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(701) West of Macquarie Island 1028
(702) Balleny Islands region 1029

SEISMIC REGION 46.
Andaman Islands to Sumatera.
(703) Andaman Islands region 1030
(704) Nicobar Islands region 1031
(705) Off west coast of northern Sumatera 1033
(706) Northern Sumatera 1036
(707) Malay Peninsula
(708) Gulf of Thailand

SEISMIC REGION 47.
Baluchistan.
(709) Southeastern Afghanistan 1038
(710) Pakistan 1039
(711) Southwestern Kashmir
(712) India-Pakistan border region 1041

SEISMIC REGION 48.
Hindu Kush and Pamir.
(713) Central Kazakhstan 1041
(714) Southeastern Uzbekistan 1041
(715) Tajikistan 1041
(716) Kyrgyzstan 1044
(717) Afghanistan-Tajikistan border region 1047
(718) Hindu Kush region 1052
(719) Tajikistan-Xinjiang border region 1055
(720) Northwestern Kashmir 1057

SEISMIC REGION 49.
Northern Eurasia.
(721) Finland 1057
(722) Norway-Murmansk border region
(723) Finland-Karelia border region
(724) Baltic States-Belarus-Northwestern Russia 1057
(725) Northwestern Siberia 1058
(726) Northern and central Siberia 1058

SEISMIC REGION 50.
Antarctica.
(727) Victoria Land
(728) Ross Sea
(729) Antarctica 1059

MAJOR EARTHQUAKES

MAJOR SHALLOW FOCUS EARTHQUAKES
h<=60km,M>=5.5

(274) Southern Sumatera

ISC	**VII**	**01 03 43 30.0–.39**	**5.57S–.04**	**104.60E–.03**	**10**	**4.3b,3.5s**	**188**	**0-146**
GFZ	VII	01 03 43 30.8–.21	6S–3.0	105E–3.0	10	4.5b,4.5		**¶620669130**
DJA	VII	01 03 43 32.7–.20	6S–3.0	105E–2.0	10	5.6b,5.0		
NEIC	VII	01 03 43 34.1–1.8	5.35S–.05	104.75E–.06	38–6	4.6b,5.0		
IDC	VII	01 03 43 40.4–2.0	5.33S	104.72E	98–17	4.1,3.8b		

ISC Event type se.
GFZ Error ellipse: s-maj=8.5km s-min=3.2km az=35.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.5km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.9km s-min=9.6km az=52.0.

(267) Halmahera

ISC	**VII**	**01 17 08 56.2–.51**	**2.02N–.05**	**128.83E–.05**	**10**	**4.4b**	**87**	**1-99**
IDC	VII	01 17 08 54.2–.69	2.01N	128.60E	0	3.9b,3.9		**¶620927681**
DJA	VII	01 17 08 58.3–.30	2N–3.0	129E–2.0	10	5.6b,5.2		
NEIC	VII	01 17 09 00.6–1.4	1.94N–.05	128.73E–.07	36–7	4.5b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(274) Southern Sumatera

ISC	**VII**	**01 18 59 51.1–.35**	**5.55S–.03**	**104.62E–.03**	**10**	**4.4b,3.6s**	**219**	**0-146**
IDC	VII	01 18 59 49.3–.56	5.47S	104.58E	0	4.0b,4.0		**¶620682301**
DJA	VII	01 18 59 54.4–.20	6S–3.0	105E–2.0	10	5.6b,5.0		
NEIC	VII	01 18 59 56.0–1.9	5.41S–.05	104.70E–.05	38–6	4.5b,5.0		
GFZ	VII	01 18 59 55.9–.26	5S–4.0	105E–4.0	47–2	4.6b,4.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(222) East of Kuril Islands

ISC	**VII**	**02 17 38 25.1–.46**	**46.66N–.04**	**154.07E–.03**	**19–1**	**5.1b,4.9s**	**989**	**4-154**
BJI	VII	02 17 38 20.7	46.71N	154.09E	5	5.3b,5.1s		**¶620714073**
NEIC	VII	02 17 38 21.6	46.45N	154.42E	10	5.3b,5.1s		
NEIC	VII	02 17 38 21.4–1.9	46.44N–.09	154.4E–.10	10–1	5.2b,5.1s		
NEIC	VII	02 17 38 22	46.15N	154.56E	18	5.3,5.1s		
IDC	VII	02 17 38 24.3–.47	46.77N	153.74E	0	4.7b,4.7		
GFZ	VII	02 17 38 25.5–.44	47N–5.0	154E–6.0	10	5.0b,5.0		
SKHL	VII	02 17 38 25.1–.60	46.50N	154.30E	52–5	5.9,5.8s		
GFZ	VII	02 17 38 26.3	46.76N	153.75E	19	5.2W,5.8s		
MOS	VII	02 17 38 28.0–1.2	46.78N	153.61E	36	5.3b,5.1s		
JMA	VII	02 17 38 29.8–.79	46N–4.0	154E–5.0	30	5.7,5.3		
GCMT	VII	02 17 38 30.3–.10	46.78N–.01	153.97E–.01	17–0	5.2W,5.3		
BGR	VII	02 17 38 39.3	47.96N	151.99E	33	5.2b,4.9s		

ISC Event type ke.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.4km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-0.53 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.27 NP1:ϕ_s194.32000°,δ29.39000° ,λ54.78000°. NP2:ϕ_s53.34000°,δ66.37000°,λ108.00000°. Principal axes: T 1.0315,Plg64.0000°,Azm353.0000°; N -0.0526,Plg16.0000°,Azm226.0000° ; P -0.9788,Plg19.0000°,Azm130.0000° $M_0$1.01000×10^{17}
IDC Error ellipse: s-maj=12.1km s-min=8.5km az=144.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}7.73 $M_{\theta\theta}$-3.22 $M_{\phi\phi}$-4.51 $M_{r\theta}$-1.64 $M_{\theta\phi}$-3.19 $M_{\phi r}$-0.85 NP1: ϕ_s224.24147°,δ51.64083°,λ96.01994°. NP2:ϕ_s34.59737°,δ38.75665°,λ82.45156°. Principal axes: T 7.9804,Plg81.9856°,Azm166.3747°; N -0.6680,Plg4.7171°,Azm40.4971° ; P -7.3124,Plg6.4645°,Azm309.9614° $M_0$7.66829×10^{16}
MOS Error ellipse: s-maj=6.5km s-min=4.0km az=115.8.
JMA Event type ke. KURILE ISLANDS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107021738A. Moment Tensor Solution. s98,c176; s149,c288;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.84±.02 $M_{\theta\theta}$-0.27±.01; $M_{\phi\phi}$-0.57±.01; $M_{r\theta}$0.07±.03; $M_{\theta\phi}$-0.45±.01; $M_{\phi r}$0.33±.03; Best double couple: NP1: ϕ_s224.00000°,δ36.00000°,λ104.00000°. NP2:ϕ_s27.00000°,δ55.00000°,λ80.00000°. Principal axes: T 0.9120,Plg77.0000°,Azm263.0000°; N 0.0310,Plg8.0000°,Azm33.0000° ; P -0.9430,Plg10.0000°,Azm124.0000° $M_0$0.92700×10^{17}
BGR Event type ke.

(435) Southeast Indian Ridge

ISC	**VII**	**03 11 58 07.1–.25**	**43.48S–.04**	**92.11E–.05**	**10**	**5.6s,5.2b**	**594**	**16-171**
BJI	VII	03 11 58 04.0	43.40S	91.46E	7	5.8s,5.7		**¶620733415**
IDC	VII	03 11 58 05.4–.43	43.40S	92.09E	0	5.3s,4.9b		
MOS	VII	03 11 58 05.5–.94	43.37S	92.11E	10	5.4b,5.3s		
NEIC	VII	03 11 58 07.1	43.41S	92.10E	10	5.4b,5.3s		
ISC-P	VII	03 11 58 07	43.41S	92.10E	26–0	6.2,5.3s		
NEIC	VII	03 11 58 07.1	43.41S	92.12E	10	6.2,5.3s		
NEIC	VII	03 11 58 07.1–1.2	43.41S–.02	92.1E–.10	10–1	5.7,5.6		
IPGP	VII	03 11 58 07.0	43.42S	92.06E	6	5.7W,5.6		
GFZ	VII	03 11 58 07.8	43.31S	92.08E	14	5.8W,5.6		
NEIC	VII	03 11 58 08.4	43.31S	92.12E	24	5.8,5.6		
GFZ	VII	03 11 58 08.7–.22	43S–4.0	92E–4.0	10	5.4,5.3b		
GCMT	VII	03 11 58 10.8–.10	43.32S	92.11E	12–0	5.8W,5.3b		

ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=13.0km az=111.0.
MOS Error ellipse: s-maj=12.5km s-min=7.4km az=87.9.
NEIC Event type se.
ISC-P Moment Tensor Solution. s34 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13±.06 $M_{\theta\theta}$0.69±.16; $M_{\phi\phi}$-0.53±.19; $M_{r\theta}$0.30±.24; $M_{\theta\phi}$0.17±.15; $M_{\phi r}$0.01±.16; NP1:ϕ_s226.60000°,δ87.10000° ,λ209.90000°. NP2:ϕ_s135.00000°,δ60.10000°,λ-3.30000°. $M_0$2.48000×10^{18}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=3.7km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.05 $M_{\theta\theta}$3.08 $M_{\phi\phi}$-3.13 $M_{r\theta}$0.72 $M_{\theta\phi}$-2.86 $M_{\phi r}$0.20 NP1:ϕ_s66.06000°,δ86.42000°,λ170.99000°. NP2:ϕ_s156.63000°,δ81.00000° ,λ3.63000°. Principal axes: T 4.3012,Plg9.0000°,Azm21.0000°; N -0.0315,Plg80.0000° ,Azm225.0000°; P -4.2697,Plg4.0000°,Azm112.0000° $M_0$4.29000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s337.00000°,δ85.00000°,λ22.00000°. NP2:ϕ_s245.00000° ,δ68.00000°,λ174.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$3.76 $M_{\phi\phi}$-4.00 $M_{r\theta}$1.44 $M_{\theta\phi}$-4.01 $M_{\phi r}$0.91 NP1: ϕ_s157.65179°,δ73.38844°,λ-1.59928°. NP2:ϕ_s248.10910°,δ88.46748°,λ-163.38232°. Principal axes: T 5.6430,Plg10.5584°,Azm21.6794°; N 0.3724,Plg73.3138°,Azm253.2298° ; P -6.0154,Plg12.7713°,Azm114.1008° $M_0$5.83808×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43 $M_{\theta\theta}$5.20 $M_{\phi\phi}$-4.77 $M_{r\theta}$-2.23 $M_{\theta\phi}$-3.82 $M_{\phi r}$-1.05 NP1:ϕ_s333.59000°,δ68.47000° ,λ-1.63000°. NP2:ϕ_s64.19000°,δ88.48000°,λ-158.47000°. Principal axes: T 6.9321,Plg14.0000°,Azm197.0000°; N -0.3747,Plg68.0000°,Azm68.0000° ; P -6.5574,Plg16.0000°,Azm291.0000° $M_0$6.75000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107031158A. Moment Tensor Solution. s145,c293; s167,c548;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.53±.03 $M_{\theta\theta}$4.91±.04; $M_{\phi\phi}$-4.38±.04; $M_{r\theta}$0.01±.08; $M_{\theta\phi}$-3.69±.03; $M_{\phi r}$-0.23±.09; Best double couple: NP1:ϕ_s64.00000°,δ88.00000°,λ-179.00000°. NP2:ϕ_s334.00000°,δ89.00000°,λ-2.00000°. Principal axes: T 6.1980,Plg1.0000°,Azm19.0000°; N -0.5210,Plg87.0000°,Azm125.0000° ; P -5.6760,Plg2.0000°,Azm289.0000° $M_0$5.93700×10^{17}

(274) Southern Sumatera

ISC	**VII**	**03 13 09 46.3–.25**	**4.23S–.03**	**102.44E–.03**	**59–1**	**5.3b,4.3s**	**1025**	**0-176**
BJI	VII	03 13 09 44.5	4.20S	102.40E	60	5.3b,5.3b		**¶620733417**
MOS	VII	03 13 09 44.7–.97	4.04S	102.57E	54	5.6b,4.6s		
DJA	VII	03 13 09 46.7–.10	4S–2.0	102E–1.0	60–1	5.5b,5.5		
IDC	VII	03 13 09 46.4–1.8	4.15S	102.49E	59–14	5.1,4.9b		
NEIC	VII	03 13 09 46.4–2.2	4.20S–.06	102.42E–.06	56–4	5.3b,5.1		
GFZ	VII	03 13 09 47.1–.34	4S–3.0	102E–3.0	61–3	5.3b,5.1		
GFZ	VII	03 13 09 47.5	4.23S	102.46E	62	4.9W,5.1		
GCMT	VII	03 13 09 48.7–.30	4.49S–.02	102.29E–.03	56–1	5.1W,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.51 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$-0.57 $M_{r\theta}$1.63 $M_{\theta\phi}$1.28 $M_{\phi r}$-1.12 NP1: ϕ_s125.16602°,δ69.15243°,λ84.55458°. NP2:ϕ_s320.16139°,δ21.51634°,λ103.99289°. Principal axes: T 2.4006,Plg65.4333°,Azm25.8778°; N 0.5229,Plg5.0879°,Azm127.1091° ; P -2.9235,Plg23.9653°,Azm219.3772° $M_0$2.70029×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107031309A. Moment Tensor Solution. s58,c67; s83,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.26±.25 $M_{\theta\theta}$-3.23±.16; $M_{\phi\phi}$-2.03±.19; $M_{r\theta}$1.26±.12; $M_{\theta\phi}$2.05±.10; $M_{\phi r}$-0.82±.15; Best double couple: NP1:ϕ_s308.00000°,δ37.00000° ,λ92.00000°. NP2:ϕ_s126.00000°,δ53.00000°,λ89.00000°. Principal axes: T 5.4810,Plg82.0000°,Azm30.0000°; N -0.4960,Plg1.0000°,Azm127.0000° ; P -4.9850,Plg8.0000°,Azm217.0000° $M_0$5.23300×10^{16}

(416) Socotra region

ISC	**VII**	**03 17 04 27.2–.43**	**14.12N–.03**	**56.76E–.03**	**13–2**	**5.4b,5.1s**	**1787**	**4-163**
BJI	VII	03 17 04 20.0	13.50N	56.39E	10	5.6b,5.4s		**¶620733425**
MOS	VII	03 17 04 24.9–1.1	14.06N	56.70E	10	5.6b,4.9s		
IDC	VII	03 17 04 25.4–.38	14.11N	56.84E	0	4.9s,4.8b		
GCMT	VII	03 17 04 27.9–.10	14.20N–.01	56.73E–.01	12	5.5W,4.8b		
GFZ	VII	03 17 04 27.6	14.13N	56.73E	12	5.5W,4.8b		
GFZ	VII	03 17 04 27.6–.11	14N–2.0	57E–2.0	10	5.9b,5.5		
IPGP	VII	03 17 04 27.0	14.20N	56.77E	11	5.6W,5.5		
NEIC	VII	03 17 04 27.3–1.9	14.28N–.08	56.77E–.09	10–1	5.7b,5.5		
NEIC	VII	03 17 04 27.3	14.28N	56.77E	10	5.7b,5.5		
NEIC	VII	03 17 04 27.3	14.24N	56.76E	10	5.7b,5.5		
NEIC	VII	03 17 04 27.4	13.94N	57.07E	20	5.6,5.5		
DSN	VII	03 17 04 29.3–.57	14.39N	56.72E	10	6.1b,5.1s		
BGR	VII	03 17 04 29.8	13.37N	55.43E	27–0	5.6b,4.7s		
OMAN	VII	03 17 04 31.0–.11	14.57N	56.81E	10	5.7,5.0s		

ISC Event type ke.
MOS Error ellipse: s-maj=5.2km s-min=2.8km az=107.0.
IDC Error ellipse: s-maj=11.8km s-min=9.4km az=16.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107031704A. Moment Tensor Solution. s125,c211; s161,c351;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.12±.02 $M_{\theta\theta}$1.68±.02; $M_{\phi\phi}$0.44±.02; $M_{r\theta}$0.80±.06; $M_{\theta\phi}$-0.95±.02; $M_{\phi r}$0.07±.06; Best double couple: NP1: ϕ_s130.00000°,δ37.00000°,λ-72.00000°. NP2:ϕ_s287.00000°,δ55.00000°,λ-103.00000°. Principal axes: T 2.3020,Plg9.0000°,Azm27.0000°; N 0.0070,Plg11.0000°,Azm295.0000° ; P -2.3080,Plg76.0000°,Azm155.0000° $M_0$2.30500×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.19 $M_{\theta\theta}$1.56 $M_{\phi\phi}$0.63 $M_{r\theta}$-0.11 $M_{\theta\phi}$-0.92 $M_{\phi r}$0.19 NP1: ϕ_s124.24328°,δ47.63536°,λ-86.43023°. NP2:ϕ_s298.95390°,δ42.48639°,λ-93.90565°. Principal axes: T 2.1385,Plg2.5772°,Azm211.7173°; N 0.0640,Plg2.6368°,Azm301.8361° ; P -2.2025,Plg86.3116°,Azm77.4312° $M_0$2.17121×10^{17}
GFZ Error ellipse: s-maj=5.3km s-min=3.1km az=29.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s106.00000°,δ35.00000°,λ-113.00000°. NP2:ϕ_s313.00000° ,δ58.00000°,λ-75.00000°.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=13.1km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.59 $M_{\theta\theta}$1.39 $M_{\phi\phi}$0.20 $M_{r\theta}$1.16 $M_{\theta\phi}$-0.66 $M_{\phi r}$-0.16 NP1:ϕ_s124.02000°,δ28.56000°,λ-72.67000°. NP2:ϕ_s284.46000°,δ62.85000° ,λ-99.21000°. Principal axes: T 2.0343,Plg17.0000°,Azm21.0000°; N -0.0435,Plg8.0000° ,Azm289.0000°; P -1.9909,Plg71.0000°,Azm174.0000° $M_0$2.01000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.06 $M_{\theta\theta}$2.03 $M_{\phi\phi}$1.03 $M_{r\theta}$0.14 $M_{\theta\phi}$-1.11 $M_{\phi r}$0.76 NP1:ϕ_s291.96000°,δ43.16000° ,λ-106.82000°. NP2:ϕ_s134.47000°,δ49.10000°,λ-74.82000°. Principal axes: T 2.7588,Plg3.0000°,Azm214.0000°; N 0.4583,Plg11.0000°,Azm304.0000° ; P -3.2171,Plg78.0000°,Azm109.0000° $M_0$3.01000×10^{17}
DSN Error ellipse: s-maj=10.0km s-min=6.3km az=75.0.
BGR Event type ke.
OMAN Error ellipse: s-maj=2.0km s-min=1.4km az=337.0.

(135) Near coast of central Chile

ISC	**VII**	**04 01 01 34.8–.46**	**28.76S–.02**	**71.67W–.03**	**13–2**	**5.6b,5.5s**	**966**	**1-177**
IDC	VII	04 01 01 33.9–.32	28.80S	71.36W	0	5.7s,5.2b		**¶620733495**
PTWC	VII	04 01 01 33	28.70S	71.90W	10	5.7,5.2b		
GFZ	VII	04 01 01 34.2–.19	29S–1.0	72W–3.0	10	5.8b,5.7		
BJI	VII	04 01 01 34.1	28.21S	72.27W	10	6.0s,6.0		
VAO	VII	04 01 01 35.0–.38	28.73S	71.39W	10	5.6b,6.0		
IPGP	VII	04 01 01 35.0	28.76S	71.65W	28	6.0W,6.0		
NEIC	VII	04 01 01 35.4	28.75S	71.65W	10	6.0W,6.0		
GFZ	VII	04 01 01 35.8	28.76S	71.49W	34	5.9W,6.0		
MOS	VII	04 01 01 36.5–.87	28.42S	71.31W	16	5.8b,5.6s		
CATAC	VII	04 01 01 36.2–1.1	29S–3.0	71W–7.0	7–6	6.8,6.0b		
SJA	VII	04 01 01 36.1–1.3	28.80S	71.54W	30–4	5.9L,5.6W		
ISC-P	VII	04 01 01 37	28.74S	71.51W	44–0	6.2,5.6W		
GUC	VII	04 01 01 37.0–.76	28.80S	71.57W	25–7	5.8L,5.6W		
NEIC	VII	04 01 01 37.2	28.73S	71.56W	20	5.8L,5.6W		
NEIC	VII	04 01 01 37.2	28.73S	71.56W	20	5.8L,5.6W		
NEIC	VII	04 01 01 37.8–2.6	28.74S–.04	71.51W–.03	24–1	5.9,5.9		
GCMT	VII	04 01 01 41.9–.10	28.84S–.01	71.74W–.01	30–0	5.9W,5.9		
NEIC	VII	04 01 01 46.9	28.45S	71.88W	24	5.9,5.9		

ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=8.7km az=65.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=3.8km s-min=4.8km az=-1.0. Presumed earthquake.
IPGP Moment Tensor Solution. NP1:ϕ_s356.00000°,δ33.00000°,λ102.00000°. NP2:ϕ_s162.00000° ,δ57.00000°,λ82.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.08 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-7.39 $M_{r\theta}$1.46 $M_{\theta\phi}$0.23 $M_{\phi r}$-3.57 NP1: ϕ_s168.71382°,δ58.98613°,λ79.71602°. NP2:ϕ_s8.11336°,δ32.51250°,λ106.53911°. Principal axes: T 8.1500,Plg73.8668°,Azm51.6937°; N 0.1091,Plg8.8011°,Azm174.0547° ; P -8.2590,Plg13.4120°,Azm266.1705° $M_0$8.20503×10^{17}
MOS Error ellipse: s-maj=11.4km s-min=7.6km az=100.0.
CATAC Error ellipse: s-maj=16.0km s-min=5.4km az=76.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=5.7km az=-1.0. Presumed earthquake.
ISC-P Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}0.58±.11 $M_{\theta\theta}$-0.08±.16; $M_{\phi\phi}$-0.50±.18; $M_{r\theta}$0.30±.14; $M_{\theta\phi}$-0.34±.22; $M_{\phi r}$-0.01±.13; NP1:ϕ_s12.50000°,δ29.90000° ,λ121.00000°. NP2:ϕ_s157.70000°,δ64.70000°,λ73.50000°. $M_0$2.85000×10^{18}
GUC Event type se. Error ellipse: s-maj=1.4km s-min=5.2km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.2km az=352.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.39 $M_{\theta\theta}$0.51 $M_{\phi\phi}$-3.91 $M_{r\theta}$1.44 $M_{\theta\phi}$0.71 $M_{\phi r}$-2.65 NP1:ϕ_s6.64000°,δ27.96000°,λ115.94000°. NP2:ϕ_s157.80000°,δ65.07000°,λ76.93000°. Principal axes: T 4.5911,Plg67.0000°,Azm43.0000°; N 0.4095,Plg12.0000°,Azm163.0000°; P -5.0006,Plg19.0000°,Azm258.0000° $M_0$4.81000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.96 $M_{\theta\theta}$1.02 $M_{\phi\phi}$-8.98 $M_{r\theta}$1.17 $M_{\theta\phi}$0.06 $M_{\phi r}$-2.23 NP1:ϕ_s8.79000°,δ38.32000°,λ104.03000°. NP2:ϕ_s171.11000°,δ53.02000°,λ79.15000°. Principal axes: T 8.4325,Plg79.0000°,Azm39.0000°; N 0.8435,Plg9.0000°,Azm178.0000°; P -9.2760,Plg7.0000°,Azm269.0000° $M_0$8.88000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107040101A. Moment Tensor Solution. s158,c331; s170,c523;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.76±.01 $M_{\theta\theta}$0.06±.01; $M_{\phi\phi}$-0.81±.01; $M_{r\theta}$0.20±.01; $M_{\theta\phi}$0.02±.00; $M_{\phi r}$-0.54±.01; Best double couple: NP1:ϕ_s11.00000°,δ29.00000°,λ111.00000°. NP2:ϕ_s167.00000°,δ63.00000°,λ79.00000°. Principal axes: T 0.9660,Plg70.0000°,Azm54.0000°; N 0.0240,Plg10.0000°,Azm172.0000°; P -0.9900,Plg18.0000°,Azm265.0000° $M_0$0.97800×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 4s8 Moment tensor: Scale 10^{17}Nm; M_{rr}5.94 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-5.13 $M_{r\theta}$0.22 $M_{\theta\phi}$-1.12 $M_{\phi r}$-6.25 NP1:ϕ_s21.66000°,δ22.06000°,λ107.83000°. NP2:ϕ_s182.52000°,δ69.05000°,λ82.93000°. Principal axes: T 8.7960,Plg65.0000°,Azm81.0000°; N -0.7345,Plg7.0000°,Azm185.0000°; P -8.0616,Plg24.0000°,Azm278.0000° $M_0$8.45000×10^{17}

(135) Near coast of central Chile

ISC	VII	04 01 29 13.0–.48	28.77S–.02	71.61W–.03	10–2	5.7s,5.6b	986 1-177
PTWC	VII	04 01 29 11	28.70S	71.80W	10	5.9,5.6b	¶620733496
NEIC	VII	04 01 29 11.5	28.70S	71.83W	7	5.9,5.6b	
BJI	VII	04 01 29 11.7	28.32S	71.50W	5	6.1s,6.0	
VAO	VII	04 01 29 12.6–.39	28.70S	71.47W	11	5.6b,6.0	
MOS	VII	04 01 29 12.9–1.1	28.62S	71.46W	7	5.7s,5.7b	
IDC	VII	04 01 29 12.3–.33	28.76S	71.40W	0	5.6s,5.1b	
GFZ	VII	04 01 29 12.4–.20	29S–1.0	72W–3.0	10	5.8,5.8b	
GFZ	VII	04 01 29 14.0	28.72S	71.52W	22	5.9W,5.8b	
NEIC	VII	04 01 29 14.1	28.73S	71.63W	10	5.9W,5.8b	
NEIC	VII	04 01 29 14.1	28.73S	71.63W	10	5.9W,5.8b	
GUC	VII	04 01 29 15.2–.61	28.77S	71.59W	34–3	5.8L,5.8b	
SJA	VII	04 01 29 15.3–1.2	28.76S	71.47W	23–7	5.9L,5.9W	
NEIC	VII	04 01 29 16.0–2.3	28.74S–.03	71.48W–.04	22–1	5.9,5.8	
GCMT	VII	04 01 29 19.5–.10	28.79S–.01	71.60W–.01	21–0	6.0W,5.8	
NEIC	VII	04 01 29 24.1	28.50S	71.72W	12	6.0,5.8	

ISC Event type se.
NEIC Event type se.
VAO Event type se. Error ellipse: s-maj=3.9km s-min=4.1km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=10.9km s-min=7.1km az=105.4.
IDC Error ellipse: s-maj=13.1km s-min=8.3km az=67.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.26 $M_{\theta\theta}$0.52 $M_{\phi\phi}$-6.78 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.12 $M_{\phi r}$-4.75 NP1:ϕ_s175.08929°,δ63.26167°,λ84.36544°. NP2:ϕ_s7.45761°,δ27.28271°,λ101.02817°. Principal axes: T 7.8783,Plg71.1884°,Azm72.6560°; N 0.4528,Plg5.0304°,Azm177.6309°; P -8.3311,Plg18.0777°,Azm269.2774° $M_0$8.11418×10^{17}
NEIC Event type se.
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=5.0km s-min=9.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.4km az=300.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.20 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-4.79 $M_{r\theta}$0.55 $M_{\theta\phi}$0.17 $M_{\phi r}$-4.78 NP1:ϕ_s2.88000°,δ21.69000°,λ97.80000°. NP2:ϕ_s174.49000°,δ68.52000°,λ86.91000°. Principal axes: T 6.3010,Plg66.0000°,Azm79.0000°; N 0.5725,Plg3.0000°,Azm176.0000°; P -6.8735,Plg23.0000°,Azm267.0000° $M_0$6.61000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.23 $M_{\theta\theta}$2.03 $M_{\phi\phi}$-7.26 $M_{r\theta}$-0.86 $M_{\theta\phi}$1.08 $M_{\phi r}$-4.48 NP1:ϕ_s334.90000°,δ30.10000°,λ61.40000°. NP2:ϕ_s187.12000°,δ63.88000°,λ105.51000°. Principal axes: T 6.9408,Plg67.0000°,Azm127.0000°; N 1.8113,Plg14.0000°,Azm0.0000°; P -8.7520,Plg17.0000°,Azm266.0000° $M_0$8.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107040129A. Moment Tensor Solution. s158,c321; s167,c545;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.79±.01 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$-0.80±.01; $M_{r\theta}$-0.01±.01; $M_{\theta\phi}$-0.06±.01; $M_{\phi r}$-1.10±.02; Best double couple: NP1:ϕ_s7.00000°,δ18.00000°,λ95.00000°. NP2:ϕ_s181.00000°,δ72.00000°,λ88.00000°. Principal axes: T 1.3530,Plg63.0000°,Azm89.0000°; N 0.0170,Plg2.0000°,Azm182.0000°; P -1.3700,Plg27.0000°,Azm273.0000° $M_0$1.36100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s4 Moment tensor: Scale 10^{18}Nm; M_{rr}0.47 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-0.47 $M_{r\theta}$-0.04 $M_{\theta\phi}$-0.14 $M_{\phi r}$-1.24 NP1:ϕ_s28.61000°,δ11.65000°,λ115.24000°. NP2:ϕ_s182.91000°,δ79.48000°,λ84.98000°. Principal axes: T 1.3221,Plg55.0000°,Azm87.0000°; N 0.0157,Plg5.0000°,Azm184.0000°; P -1.3378,Plg34.0000°,Azm277.0000° $M_0$1.33000×10^{18}

(51) Off coast of central Mexico

ISC	VII	04 02 44 58.9–.44	21.04N–.03	106.27W–.04	34–1	5.2s,5.2b	703 1-151
MOS	VII	04 02 44 54.2–.90	21.00N	106.10W	10	5.4b,5.3s	¶620733498
NEIC	VII	04 02 44 56.0–2.2	21.07N–.06	106.31W–.07	10–1	5.6,5.2	
NEIC	VII	04 02 44 56	21.07N	106.32W	10	5.6,5.2	
GFZ	VII	04 02 44 56.1	21.07N	106.04W	21	5.6W,5.2	
GFZ	VII	04 02 44 56.1–.18	21N–3.0	106W–3.0	10	5.2,5.1b	
MEX	VII	04 02 44 57.5–.79	21.05N	106.18W	13	5.6,5.1b	
IDC	VII	04 02 44 59.9–1.9	21.04N	106.10W	39–16	5.2s,4.9	
GCMT	VII	04 02 44 59.5–.10	21.10N–.01	106.19W–.01	17–0	5.6W,4.9	
BJI	VII	04 02 44 59.4	21.15N	106.45W	47	5.8s,5.5	
PTWC	VII	04 02 45 03	21.30N	106.00W	48	5.8,5.5	
NEIC	VII	04 02 45 06.3	21.07N	106.32W	16	5.6,5.5	

ISC Event type se.
MOS Error ellipse: s-maj=8.8km s-min=5.3km az=87.6.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.4km az=236.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-0.09 $M_{r\theta}$0.79 $M_{\theta\phi}$2.09 $M_{\phi r}$1.20 NP1:ϕ_s343.51964°,δ62.45302°,λ145.40630°. NP2:ϕ_s91.21053°,δ59.77559°,λ32.35988°. Principal axes: T 2.8482,Plg43.0761°,Azm306.3542°; N -0.0237,Plg46.8759°,Azm129.6756°; P -2.8245,Plg1.6578°,Azm37.9048° $M_0$2.83639×10^{17}
GFZ Error ellipse: s-maj=8.1km s-min=5.2km az=57.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MEX Event type se. Error ellipse: s-maj=7.6km s-min=12.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.1km s-min=9.6km az=54.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107040245A. Moment Tensor Solution. s115,c204; s159,c349;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.77±.04 $M_{\theta\theta}$-1.06±.03; $M_{\phi\phi}$0.29±.03; $M_{r\theta}$2.12±.12; $M_{\theta\phi}$2.55±.03; $M_{\phi r}$0.72±.09; Best double couple: NP1:ϕ_s348.00000°,δ50.00000°,λ166.00000°. NP2:ϕ_s87.00000°,δ80.00000°,λ41.00000°. Principal axes: T 3.5960,Plg35.0000°,Azm315.0000°; N -0.1460,Plg48.0000°,Azm99.0000°; P -3.4480,Plg19.0000°,Azm211.0000° $M_0$3.52200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$0.69 $M_{r\theta}$2.38 $M_{\theta\phi}$1.99 $M_{\phi r}$1.03 NP1:ϕ_s341.49000°,δ41.58000°,λ170.32000°. NP2:ϕ_s78.76000°,δ83.60000°,λ48.83000°. Principal axes: T 3.6146,Plg37.0000°,Azm313.0000°; N -0.4023,Plg41.0000°,Azm84.0000°; P -3.2123,Plg27.0000°,Azm200.0000° $M_0$3.43000×10^{17}

(270) Ceram Sea

ISC	VII	04 16 18 52.6–.41	2.89S–.03	128.01E–.03	30–2	5.0b,4.2s	614 0-161
BJI	VII	04 16 18 45.0	3.55S	128.42E	30	5.0b,4.8b	¶620733584
IDC	VII	04 16 18 47.8–.33	2.96S	127.97E	0	5.1L,4.8b	
NEIC	VII	04 16 18 49.7–1.8	2.89S–.06	127.93E–.05	10–1	5.0b,5.0	
DJA	VII	04 16 18 53.0–.20	3S–2.0	128E–1.0	28–1	5.7b,5.5b	
GCMT	VII	04 16 18 53.6–.20	2.73S–.01	128.10E–.02	21–1	5.1W,5.5b	
GFZ	VII	04 16 18 53.6	2.93S	128.04E	37	5.0W,5.5b	
GFZ	VII	04 16 18 53.6–.23	3S–2.0	128E–2.0	40–2	5.2,5.2b	

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107041618A. Moment Tensor Solution. s57,c79; s85,c125; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.30±.18 $M_{\theta\theta}$-2.50±.11; $M_{\phi\phi}$0.20±.12; $M_{r\theta}$-2.12±.22; $M_{\theta\phi}$1.92±.07; $M_{\phi r}$3.37±.33; Best double couple: NP1:ϕ_s87.00000°,δ27.00000°,λ37.00000°. NP2:ϕ_s323.00000°,δ74.00000°,λ112.00000°. Principal axes: T 4.8340,Plg55.0000°,Azm261.0000°; N 0.3830,Plg21.0000°,Azm137.0000°; P -5.2100,Plg26.0000°,Azm36.0000° $M_0$5.02200×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.09 $M_{\theta\theta}$-1.70 $M_{\phi\phi}$-1.38 $M_{r\theta}$1.14 $M_{\theta\phi}$2.71 $M_{\phi r}$0.16 NP1:ϕ_s114.23228°,δ53.96991°,λ63.98464°. NP2:ϕ_s333.91631°,δ43.38396°,λ121.09131°. Principal axes: T 3.4990,Plg68.4082°,Azm326.7946°; N 0.8305,Plg20.7756°,Azm130.2502°; P -4.3295,Plg5.6226°,Azm222.3907° $M_0$3.97974×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(266) Northern Molucca Sea

ISC	VII	06 13 37 24.0–1.0	1.23N–.04	126.36E–.03	53–14	3.7b	53 1-64
IDC	VII	06 13 37 16.9–1.1	1.30N	126.24E	0	3.6b,3.6	¶620928037
DJA	VII	06 13 37 21.6–.50	1N–2.0	126E–1.0	12–4	5.7b,5.2	

ISC Event type se.

(210) South of Mariana Islands

ISC	VII	06 22 17 59.8–.33	12.34N–.04	144.70E–.06	30	4.9b,4.2s	342 1-155
BJI	VII	06 22 17 54.7	12.06N	144.71E	16	4.9b,4.6s	¶620757418
IDC	VII	06 22 17 55.5–.53	12.38N	144.58E	0	4.3,4.2b	
NEIC	VII	06 22 17 57.7–1.9	12.36N–.03	144.5E–.10	10–1	5.0b,4.2b	
GFZ	VII	06 22 17 59.6–.20	12N–3.0	144E–3.0	34	5.0,4.8b	
DJA	VII	06 22 18 00.9–.50	12N–3.0	145E–6.0	56–5	5.7b,5.2	

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(315) India-Bangladesh border region

ISC	VII	07 03 15 24.9–.20	25.93N–.02	90.22E–.02	18–0	5.3b,4.4s	1830 1-160
MOS	VII	07 03 15 21.7–.82	25.83N	90.32E	12	5.4b,4.4s	¶620757423
BJI	VII	07 03 15 22.2	26.07N	90.34E	7	5.1b,5.0b	
NDI	VII	07 03 15 24.9–2.9	26.05N	90.32E	10	4.9L,4.5W	
GFZ	VII	07 03 15 24.9	25.94N	90.25E	32	5.0W,4.5W	
NEIC	VII	07 03 15 24.2–1.2	25.96N–.06	90.35E–.08	10–1	5.3b,4.5W	
GFZ	VII	07 03 15 25.9–.07	26N–2.0	90E–2.0	22–0	5.6b,5.3b	
IDC	VII	07 03 15 27.0–1.9	25.99N	90.35E	30–13	4.9,4.7L	
GCMT	VII	07 03 15 29.6–.20	25.86N–.01	90.57E–.02	30–0	5.0W,4.7L	
BGR	VII	07 03 15 32.8	25.87N	89.20E	26–0	5.3b,4.7s	

ISC Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=2.8km az=124.9.
NDI Event type se. Error ellipse: s-maj=5.7km s-min=3.2km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.58 $M_{\theta\theta}$-3.07 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.63 $M_{\phi r}$-0.23 NP1:ϕ_s106.84809°,δ44.45485°,λ95.23819°. NP2:ϕ_s279.52922°,δ45.77945°,λ84.88137°. Principal axes: T 3.5999,Plg86.2743°,Azm113.3931°; N -0.3826,Plg3.6659°,Azm283.1039°; P -3.2172,Plg0.6637°,Azm13.1465° $M_0$3.42462×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.8km az=238.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=4.8km s-min=2.4km az=39.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=10.2km s-min=7.8km az=66.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107070315A. Moment Tensor Solution. s41,c53; s92,c147; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.10±.15 $M_{\theta\theta}$-3.61±.09; $M_{\phi\phi}$0.51±.09; $M_{r\theta}$-0.53±.12; $M_{\theta\phi}$0.43±.07; $M_{\phi r}$0.26±.18; Best double couple: NP1:ϕ_s91.00000°,δ40.00000°,λ83.00000°. NP2:ϕ_s280.00000°,δ50.00000°,λ96.00000°. Principal axes: T 3.1610,Plg84.0000°,Azm229.0000°; N 0.5420,Plg4.0000°,Azm96.0000°; P -3.7010,Plg5.0000°,Azm6.0000° $M_0$3.43100×10^{16}
BGR Event type ke.

(244) Taiwan

ISC	VII	07 11 24 58.8–.41	23.86N–.01	121.65E–.01	10–2	5.1b,4.8s	1055 0-168
IDC	VII	07 11 24 56.3–.44	23.82N	121.67E	0	4.6L,4.6b	¶620758230
BJI	VII	07 11 24 57.2	23.87N	121.65E	9	5.6s,5.6	
JMA	VII	07 11 24 57.8–.21	23.9N–.20	121.6E–.70	0–1	5.4,5.1	
NIED	VII	07 11 24 57.8	23.88N	121.62E	0	5.3W,5.1	
MOS	VII	07 11 24 57.5–1.1	23.86N	121.71E	18	5.1b,4.9s	
NEIC	VII	07 11 24 58.3–1.1	23.86N–.08	121.65E–.05	8–4	5.3b,5.1	
GFZ	VII	07 11 24 58.8	23.83N	121.62E	10	5.1W,5.1	
TAP	VII	07 11 24 58.5	23.89N	121.57E	7–0	5.5L,5.1	
GFZ	VII	07 11 24 59.5–.11	24N–2.0	122E–2.0	10	4.9b,4.9	
GCMT	VII	07 11 25 01.0–.10	23.85N–.01	121.57E–.01	13–0	5.1W,4.9	

ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.16 $M_{\theta\theta}$0.87 $M_{\phi\phi}$0.29 $M_{r\theta}$7.97 $M_{\theta\phi}$-3.39 $M_{\phi r}$2.61 NP1:ϕ_s164.00000°,δ22.00000°,λ-6.00000°. NP2:ϕ_s259.00000°,δ88.00000°,λ-112.00000°. $M_0$8.95000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.15 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$-0.54 $M_{r\theta}$3.37 $M_{\theta\phi}$-3.09 $M_{\phi r}$2.37 NP1:ϕ_s56.98176°,δ71.49545°,λ97.41744°. NP2:ϕ_s214.67871°,δ19.88739°,λ68.90690°. Principal axes: T 4.2113,Plg62.7928°,Azm338.4987°; N 2.0152,Plg7.0320°,Azm234.6157°; P -6.2265,Plg26.1368°,Azm141.1457° $M_0$5.50295×10^{16}
TAP B.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107071124A. Moment Tensor Solution. s70,c106; s131,c219;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.98±.14 $M_{\theta\theta}$-1.72±.09; $M_{\phi\phi}$-1.27±.11; $M_{r\theta}$4.62±.35; $M_{\theta\phi}$-3.72±.07; $M_{\phi r}$0.62±.23; Best double couple: NP1:ϕ_s193.00000°,δ34.00000°,λ31.00000°. NP2:ϕ_s76.00000°,δ73.00000°,λ120.00000°. Principal axes: T 6.1330,Plg52.0000°,Azm21.0000°; N 0.6770,Plg28.0000°,Azm247.0000°; P -6.8200,Plg23.0000°,Azm144.0000° $M_0$6.47700×10^{16}

(244) Taiwan

ISC	VII	07 22 11 55.9–.36	23.86N–.01	121.63E–.01	12–1	5.1b,4.7s	1085 0-177
MOS	VII	07 22 11 53.3–1.1	23.81N	121.74E	10	5.2b,5.0s	¶622449030
IDC	VII	07 22 11 53.3–.40	23.82N	121.72E	0	4.7b,4.7	
JMA	VII	07 22 11 54.4–.15	23.9N–.40	122E–1.0	0	5.3,5.2	
NIED	VII	07 22 11 54.4	23.89N	121.61E	0	5.3W,5.2	
ASIES	VII	07 22 11 55.5	23.90N	121.58E	10	5.1W,5.2	
TAP	VII	07 22 11 55.6	23.89N	121.57E	8–0	5.5L,5.2	
NEIC	VII	07 22 11 55.3–1.3	23.86N–.03	121.64E–.05	7–3	5.2b,5.2	
NEIC	VII	07 22 11 55.3	23.86N	121.64E	7	5.2b,5.2	
BJI	VII	07 22 11 55.3	23.87N	121.61E	10	5.6s,5.5L	
GFZ	VII	07 22 11 56.3–.19	24N–2.0	122E–3.0	10	5.2b,5.0	
GCMT	VII	07 22 11 57.6–.10	23.82N–.01	121.56E–.01	17–0	5.2W,5.0	
NEIC	VII	07 22 12 02.3	23.66N	121.64E	14	5.1,5.0	

ISC Event type ke.
MOS Error ellipse: s-maj=6.5km s-min=3.9km az=118.7.
IDC Error ellipse: s-maj=10.9km s-min=9.8km az=89.0.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.50 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$0.82 $M_{r\theta}$7.21 $M_{\theta\phi}$-4.27 $M_{\phi r}$2.81 NP1:ϕ_s180.00000°,δ24.00000°,λ12.00000°. NP2:ϕ_s79.00000°,δ85.00000°,λ114.00000°. $M_0$8.50000×10^{16}
ASIES Moment Tensor Solution. NP1:ϕ_s283.00000°,δ53.00000°,λ-158.00000°. NP2:ϕ_s180.00000°,δ73.00000°,λ-39.00000°.
TAP B.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=2.9km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107072211A. Moment Tensor Solution. s78,c128; s132,c247;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.06±.11 $M_{\theta\theta}$-1.84±.08; $M_{\phi\phi}$-0.21±.09; $M_{r\theta}$5.12±.34; $M_{\theta\phi}$-4.11±.07; $M_{\phi r}$0.98±.21; Best double couple: NP1: ϕ_s189.00000°,δ34.00000°,λ20.00000°. NP2:ϕ_s82.00000°,δ79.00000°,λ122.00000°. Principal axes: T 6.0590,Plg46.0000°,Azm25.0000°; N 1.4850,Plg31.0000°,Azm255.0000° ; P -7.5440,Plg27.0000°,Azm147.0000° $M_0$6.80200×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.28 $M_{\theta\theta}$-1.91 $M_{\phi\phi}$0.63 $M_{r\theta}$4.03 $M_{\theta\phi}$-3.26 $M_{\phi r}$3.56 NP1:ϕ_s271.38000°,δ18.13000° ,λ137.86000°. NP2:ϕ_s42.07000°,δ77.95000°,λ76.36000°. Principal axes: T 4.7253,Plg55.0000°,Azm295.0000°; N 2.6986,Plg13.0000°,Azm45.0000° ; P -7.4239,Plg32.0000°,Azm143.0000° $M_0$6.51000×10^{16}

(263) Talaud Islands

ISC	**VII**	**08 10 09 17.2–.38**	**5.13N–.02**	**126.52E–.03**	**33–1**	**5.0b,4.3s**	**499**	**1-178**
MAN	VII	08 10 09 11.8	4.85N	126.60E	21	5.8b,5.2s		**¶620773510**
NEIC	VII	08 10 09 17.7–2.6	5.33N–.04	126.47E–.07	24–3	5.2,5.1b		
GFZ	VII	08 10 09 18.7–.40	5N–2.0	127E–3.0	34–3	5.0b,4.9		
BJI	VII	08 10 09 19.0	5.30N	126.50E	54	5.1b,4.9b		
IDC	VII	08 10 09 19.5–.86	5.26N	126.42E	46–7	4.7,4.5b		
DJA	VII	08 10 09 20.2–.30	5N–3.0	127E–2.0	45–3	5.4b,5.3		
GCMT	VII	08 10 09 20.4–.10	5.25N–.01	126.58E–.01	28–0	5.3W,5.3		

ISC Event type se.
MAN Event type fe. INTENSITY II - JOSE ABAD SANTOS DAVAO OCCIDENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107081009A. Moment Tensor Solution. s103,c156; s118,c209;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.68±.02 $M_{\theta\theta}$0.10±.01; $M_{\phi\phi}$-0.77±.01; $M_{r\theta}$0.07±.02; $M_{\theta\phi}$0.09±.01; $M_{\phi r}$0.77±.03; Best double couple: NP1: ϕ_s163.00000°,δ23.00000°,λ72.00000°. NP2:ϕ_s3.00000°,δ68.00000°,λ97.00000°. Principal axes: T 1.0250,Plg66.0000°,Azm286.0000°; N 0.0880,Plg7.0000°,Azm180.0000° ; P -1.1140,Plg23.0000°,Azm87.0000° $M_0$1.07000×10^{17}

(121) Off coast of northern Chile

ISC	**VII**	**08 10 30 37.1–.25**	**18.36S–.03**	**71.24W–.04**	**36–1**	**5.4b,4.4s**	**672**	**1-171**
MOS	VII	08 10 30 35.5–1.1	18.31S	71.16W	34	5.5b,4.4s		**¶620773511**
BJI	VII	08 10 30 36.7	18.10S	70.82W	36	5.5s,5.4		
IDC	VII	08 10 30 36.8–1.5	18.39S	71.25W	35–11	5.1,4.9b		
VAO	VII	08 10 30 36.2–1.2	18.29S	71.13W	31–8	5.5b,4.9b		
SJA	VII	08 10 30 37.4–1.3	18.70S	71.47W	40	5.2L,4.9W		
NEIC	VII	08 10 30 38.1–2.8	18.47S–.05	71.32W–.07	38–3	5.4b,5.1		
NEIC	VII	08 10 30 38.7	18.47S	71.27W	43	5.4b,5.1		
GUC	VII	08 10 30 39.3–.78	18.47S	71.25W	50–28	5.1L,5.1		
GFZ	VII	08 10 30 39.0–.13	18S–1.0	71W–3.0	52–1	5.4,5.3b		
NEIC	VII	08 10 30 39.1	18.48S	71.25W	48	5.4,5.3b		
NEIC	VII	08 10 30 39.5	18.48S	71.25W	30	5.2,5.3b		
GCMT	VII	08 10 30 40.7–.20	18.47S–.01	71.28W–.02	62–2	5.2W,5.3b		

ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.21 $M_{\theta\theta}$1.09 $M_{\phi\phi}$2.12 $M_{r\theta}$4.10 $M_{\theta\phi}$-3.31 $M_{\phi r}$-0.29 NP1:ϕ_s170.12000°,δ36.44000°,λ-34.05000°. NP2:ϕ_s288.66000°,δ70.57000° ,λ-121.46000°. Principal axes: T 5.9894,Plg19.0000°,Azm42.0000°; N 0.0038,Plg29.0000° ,Azm300.0000°; P -5.9931,Plg54.0000°,Azm160.0000° $M_0$5.99000×10^{16}
NEIC Event type se.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.64 $M_{\theta\theta}$1.45 $M_{\phi\phi}$3.19 $M_{r\theta}$6.86 $M_{\theta\phi}$-4.01 $M_{\phi r}$-1.44 NP1:ϕ_s168.96000°,δ29.12000° ,λ-36.41000°. NP2:ϕ_s291.76000°,δ73.21000°,λ-114.14000°. Principal axes: T 8.9383,Plg24.0000°,Azm40.0000°; N 0.2508,Plg23.0000°,Azm299.0000° ; P -9.1891,Plg55.0000°,Azm171.0000° $M_0$9.07000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107081030A. Moment Tensor Solution. s73,c101; s114,c196;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.12±.23 $M_{\theta\theta}$0.43±.19; $M_{\phi\phi}$3.69±.23; $M_{r\theta}$4.82±.12; $M_{\theta\phi}$-3.58±.14; $M_{\phi r}$-2.50±.16; Best double couple: NP1: ϕ_s175.00000°,δ29.00000°,λ-42.00000°. NP2:ϕ_s304.00000°,δ71.00000°,λ-113.00000°. Principal axes: T 7.9520,Plg22.0000°,Azm51.0000°; N -0.7730,Plg21.0000°,Azm311.0000° ; P -7.1790,Plg58.0000°,Azm182.0000° $M_0$7.56600×10^{16}

(135) Near coast of central Chile

ISC	**VII**	**08 20 38 31.2–.44**	**28.74S–.02**	**71.59W–.03**	**16–2**	**5.3b,5.1s**	**671**	**1-176**
VAO	VII	08 20 38 28.6–.32	28.91S	71.66W	10	5.3b,5.1s		**¶620783810**
SJA	VII	08 20 38 28.4–.65	28.68S	71.94W	14	5.5L,5.3W		
IDC	VII	08 20 38 30.0–.35	28.70S	71.41W	0	4.9s,4.8L		
MOS	VII	08 20 38 30.5–.94	28.64S	71.48W	13	5.5b,4.8L		
GFZ	VII	08 20 38 31.3–.32	29S–1.0	72W–3.0	30–3	5.5b,5.4		
GFZ	VII	08 20 38 31.1	28.62S	71.75W	37	5.4W,5.4		
NEIC	VII	08 20 38 32.5	28.75S	71.62W	20	5.4W,5.4		
NEIC	VII	08 20 38 32.9	28.75S	71.61W	14	5.4,5.4		
NEIC	VII	08 20 38 32.6	28.75S	71.61W	21	5.4,5.4		
NEIC	VII	08 20 38 32.5–2.5	28.75S–.03	71.60W–.06	20–2	5.4b,5.4		
GUC	VII	08 20 38 33.5–.83	28.75S	71.53W	35–5	5.4L,5.4		
GCMT	VII	08 20 38 38.2–.10	28.88S–.01	71.68W–.01	33–0	5.5W,5.4		

ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.16 $M_{r\theta}$0.30 $M_{\theta\phi}$0.07 $M_{\phi r}$-1.00 NP1: ϕ_s167.48277°,δ66.58390°,λ81.97637°. NP2:ϕ_s7.01257°,δ24.67920°,λ107.86440°. Principal axes: T 1.5142,Plg67.4474°,Azm62.5703°; N 0.0478,Plg7.3590°,Azm170.6891° ; P -1.5619,Plg21.1930°,Azm263.5594° $M_0$1.53859×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.76 $M_{\theta\phi}$0.13 $M_{\phi r}$-1.16 NP1:ϕ_s8.68000°,δ13.10000° ,λ129.73000°. NP2:ϕ_s148.20000°,δ79.96000°,λ81.54000°. Principal axes: T 1.4918,Plg54.0000°,Azm48.0000°; N 0.0020,Plg8.0000°,Azm150.0000° ; P -1.4938,Plg34.0000°,Azm245.0000° $M_0$1.49000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.80 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.87 $M_{r\theta}$0.25 $M_{\theta\phi}$0.28 $M_{\phi r}$-0.54 NP1:ϕ_s158.49000°,δ62.22000°,λ83.31000°. NP2:ϕ_s352.63000°,δ28.51000° ,λ102.48000°. Principal axes: T 0.9839,Plg72.0000°,Azm53.0000°; N 0.1393,Plg6.0000° ,Azm162.0000°; P -1.1232,Plg17.0000°,Azm253.0000° $M_0$1.06000×10^{17}
GUC Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107082038A. Moment Tensor Solution. s127,c191; s141,c252;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.42±.03 $M_{\theta\theta}$0.09±.02; $M_{\phi\phi}$-1.51±.02; $M_{r\theta}$0.54±.02; $M_{\theta\phi}$0.26±.01; $M_{\phi r}$-1.37±.04; Best double couple: NP1:ϕ_s2.00000° ,δ24.00000°,λ108.00000°. NP2:ϕ_s162.00000°,δ68.00000°,λ82.00000°. Principal axes: T 2.0500,Plg67.0000°,Azm58.0000°; N 0.0910,Plg7.0000°,Azm165.0000° ; P -2.1380,Plg22.0000°,Azm258.0000° $M_0$2.09400×10^{17}

(40) California-Nevada border region

ISC	**VII**	**08 22 49 49.8–.33**	**38.51N–.02**	**119.48W–.02**	**11–1**	**5.6s,5.6b**	**1762**	**0-157**
NEIC	VII	08 22 49 47.4	38.55N	119.44W	6	5.6s,5.6b		**¶620783812**
IDC	VII	08 22 49 47.3–.36	38.53N	119.49W	0	5.4s,5.0b		
MOS	VII	08 22 49 47.2–1.2	38.52N	119.48W	10	5.9b,5.7s		
REN	VII	08 22 49 47.9–1.8	38.51N–.02	119.50W–.04	10–1	5.9b,5.7s		
ISC-P	VII	08 22 49 47	38.56N	119.41W	3–0	6.0,5.7s		
NEIC	VII	08 22 49 47.3–1.7	38.56N–.03	119.41W–.04	7–2	5.9,5.8		
NCEDC	VII	08 22 49 48.1–1.9	38.51N–.03	119.50W–.05	7–3	5.9,5.8		
BJI	VII	08 22 49 48.2	38.50N	119.50W	10	6.2b,5.8s		
NEIC	VII	08 22 49 48.1	38.53N	119.46W	10	6.2b,5.8s		
NEIC	VII	08 22 49 48.1	38.53N	119.46W	10	6.2b,5.8s		
PTWC	VII	08 22 49 48	38.60N	119.50W	10	6.1,5.8s		
IPGP	VII	08 22 49 48.0	38.52N	119.50W	7	6.0W,5.8s		
GFZ	VII	08 22 49 51.6	38.58N	119.44W	13	5.9W,5.8s		
GFZ	VII	08 22 49 51.6–.10	39N–2.0	119W–2.0	10	6.2b,5.8		
GCMT	VII	08 22 49 54.7–.10	38.51N	119.48W	12	6.0W,5.8		
BGR	VII	08 22 49 57.7	39.46N	120.16W	33	6.1,5.8b		
NEIC	VII	08 22 50 00.1	38.53N	119.46W	12	6.0,5.8b		

ISC Event type ke.
NEIC Event type se.
IDC Error ellipse: s-maj=8.6km s-min=6.9km az=42.0.
MOS Error ellipse: s-maj=6.2km s-min=3.9km az=87.7.
REN Event type se. Error ellipse: s-maj=5.6km s-min=2.0km az=64.0. hypocenter. manual.
ISC-P Moment Tensor Solution. s43 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.88±.12 $M_{\theta\theta}$-0.15±.17; $M_{\phi\phi}$0.09±.12; $M_{r\theta}$-0.26±.10; $M_{\theta\phi}$0.05±.22; $M_{\phi r}$-0.17±.13; NP1:ϕ_s346.50000°,δ38.10000° ,λ295.50000°. NP2:ϕ_s135.30000°,δ56.10000°,λ-108.70000°. $M_0$1.29000×10^{18}
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.1km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.06 $M_{\theta\theta}$-1.80 $M_{\phi\phi}$5.86 $M_{r\theta}$1.66 $M_{\theta\phi}$1.02 $M_{\phi r}$1.32 NP1:ϕ_s209.91000°,δ58.34000°,λ-60.11000°. NP2:ϕ_s342.32000°,δ42.44000° ,λ-128.94000°. Principal axes: T 6.2278,Plg9.0000°,Azm279.0000°; N -1.2398,Plg25.0000° ,Azm13.0000°; P -4.9880,Plg63.0000°,Azm171.0000° $M_0$5.71000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-6.48 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$7.85 $M_{r\theta}$0.57 $M_{\theta\phi}$1.03 $M_{\phi r}$-0.29 NP1:ϕ_s359.62000°,δ46.29000°,λ-99.36000°. NP2:ϕ_s193.04000°,δ44.50000° ,λ-80.35000°. Principal axes: T 7.9647,Plg1.0000°,Azm96.0000°; N -1.4068,Plg7.0000° ,Azm6.0000°; P -6.5579,Plg83.0000°,Azm194.0000° $M_0$7.36000×10^{17}
NCEDC Event type se. Error ellipse: s-maj=6.1km s-min=2.1km az=55.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se.
PTWC CALIFORNIA-NEVADA BORDER REGION.
IPGP Moment Tensor Solution. NP1:ϕ_s205.00000°,δ50.00000°,λ-65.00000°. NP2:ϕ_s349.00000° ,δ46.00000°,λ-117.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-8.73 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$9.55 $M_{r\theta}$-1.58 $M_{\theta\phi}$1.02 $M_{\phi r}$-2.27 NP1: ϕ_s176.17794°,δ38.40514°,λ-104.55094°. NP2:ϕ_s14.50449°,δ53.03749°,λ-78.73593°. Principal axes: T 9.9677,Plg7.4082°,Azm96.4982°; N -0.7095,Plg8.9792°,Azm187.6754° ; P -9.2582,Plg78.3200°,Azm327.5247° $M_0$9.63256×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107082250B. Moment Tensor Solution. s157,c346; s169,c622;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.91±.01 $M_{\theta\theta}$-0.21±.01; $M_{\phi\phi}$1.12±.01; $M_{r\theta}$0.03±.01; $M_{\theta\phi}$0.18±.01; $M_{\phi r}$-0.18±.01; Best double couple: NP1:ϕ_s192.00000°,δ40.00000°,λ-83.00000°. NP2:ϕ_s3.00000°,δ50.00000°,λ-96.00000°. Principal axes: T 1.1590,Plg5.0000°,Azm97.0000°; N -0.2340,Plg5.0000°,Azm7.0000° ; P -0.9280,Plg83.0000°,Azm234.0000° $M_0$1.04400×10^{18}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 5s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.88 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$1.10 $M_{r\theta}$0.33 $M_{\theta\phi}$0.19 $M_{\phi r}$-0.60 NP1:ϕ_s211.09000°,δ35.25000° ,λ-51.18000°. NP2:ϕ_s346.51000°,δ63.28000°,λ-113.90000°. Principal axes: T 1.2745,Plg15.0000°,Azm94.0000°; N -0.0908,Plg21.0000°,Azm358.0000° ; P -1.1837,Plg64.0000°,Azm216.0000° $M_0$1.23000×10^{18}

(221) Kuril Islands

ISC	**VII**	**09 00 30 16.5–.41**	**45.13N–.06**	**150.47E–.05**	**39**	**4.5b**	**243**	**2-152**
IDC	VII	09 00 30 11.5–.58	45.44N	150.33E	0	4.0b,4.0		**¶620783817**
NEIC	VII	09 00 30 17.5–1.0	45.4N–.10	150.2E–.20	36–5	4.6b,4.0		
SKHL	VII	09 00 30 18.6–.10	45.10N	150.40E	84–5	5.9,5.5b		
MOS	VII	09 00 30 18.0–.92	45.28N	150.36E	67	4.6b,5.5b		
JMA	VII	09 00 30 20.5–.94	45N–4.0	150E–5.0	30	4.4,5.5b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .

(691) Pacific-Antarctic Ridge

ISC	**VII**	**09 01 21 28.4–.31**	**56.14S–.06**	**143.43W–.07**	**10**	**5.4s,5.0b**	**235**	**28-173**
IDC	VII	09 01 21 26.6–.48	56.14S	143.57W	0	5.0s,4.5b		**¶620783819**
MOS	VII	09 01 21 27.8–2.1	56.41S	143.35W	10	5.6b,4.5b		
NEIC	VII	09 01 21 28.7	56.13S	143.27W	10	5.6b,4.5b		
NEIC	VII	09 01 21 29.0–2.6	56.2S–.20	143.2W–.20	10–1	5.4b,5.4		
GFZ	VII	09 01 21 30.3–.22	56S–5.0	143W–4.0	10	4.9b,4.9		
GFZ	VII	09 01 21 30.3	56.26S	143.26W	18	5.6W,4.9		
GCMT	VII	09 01 21 31.6–.10	56.30S–.01	143.41W–.01	15–0	5.6W,4.9		
NEIC	VII	09 01 21 33	56.03S	143.45W	12	5.5,4.9		

ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=15.4km az=176.0.
MOS Error ellipse: s-maj=25.7km s-min=16.3km az=79.9.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=20.4km az=343.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29 $M_{\theta\theta}$2.62 $M_{\phi\phi}$-2.34 $M_{r\theta}$0.76 $M_{\theta\phi}$1.60 $M_{\phi r}$0.93 NP1: ϕ_s119.06063°,δ68.29911°,λ0.51707°. NP2:ϕ_s28.86943°,δ89.51958°,λ158.29830°. Principal axes: T 3.3708,Plg15.5090°,Azm341.8550°; N -0.3839,Plg68.2932°,Azm207.6625° ; P -2.9869,Plg14.8051°,Azm76.0610° $M_0$3.19619×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107090121A. Moment Tensor Solution. s135,c238; s150,c306;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.03 $M_{\theta\theta}$2.48±.04; $M_{\phi\phi}$-2.37±.03; $M_{r\theta}$0.23±.10; $M_{\theta\phi}$1.90±.03; $M_{\phi r}$0.03±.09; Best double couple: NP1:ϕ_s26.00000° ,δ86.00000°,λ178.00000°. NP2:ϕ_s116.00000°,δ88.00000°,λ4.00000°. Principal axes: T 3.1520,Plg4.0000°,Azm341.0000°; N -0.1220,Plg86.6000°,Azm147.0000° ; P -3.0270,Plg1.0000°,Azm251.0000° $M_0$3.08900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.28 $M_{\theta\theta}$1.90 $M_{\phi\phi}$-1.62 $M_{r\theta}$1.00 $M_{\theta\phi}$0.89 $M_{\phi r}$0.81 NP1:ϕ_s123.54000°,δ58.53000° ,λ1.21000°. NP2:ϕ_s32.91000°,δ88.97000°,λ148.52000°. Principal axes: T 2.5877,Plg22.0000°,Azm344.0000°; N -0.5463,Plg59.0000°,Azm211.0000° ; P -2.0413,Plg21.0000°,Azm83.0000° $M_0$2.36000×10^{17}

(192) New Britain region

ISC	**VII**	**09 11 40 59.9–.20**	**6.38S–.04**	**150.17E–.04**	**43**	**5.2b,4.5s**	**815**	**3-155**
GFZ	VII	09 11 40 56.2–.15	6S–2.0	150E–3.0	10	5.3,5.2b		**¶621112221**
MOS	VII	09 11 40 57.7–1.2	6.29S	150.06E	34	5.2b,4.8s		
NEIC	VII	09 11 40 58.6–1.1	6.32S–.06	150.12E–.07	28–4	5.3b,4.8s		
NEIC	VII	09 11 40 58.6	6.31S	150.12E	28	5.3b,4.8s		
NEIC	VII	09 11 40 59.2	6.31S	150.12E	30	5.2,4.8s		
IDC	VII	09 11 41 00.8–1.2	6.37S	150.09E	53–9	4.8,4.5b		
GCMT	VII	09 11 41 00.0–.10	6.53S–.01	150.21E–.01	26–0	5.3W,4.5b		
DJA	VII	09 11 41 05.1–.50	7S–3.0	150E–4.0	71–4	5.8b,5.5b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}4.52 $M_{\theta\theta}$4.24 $M_{\phi\phi}$-8.76 $M_{r\theta}$3.16 $M_{\theta\phi}$-2.28 $M_{\phi r}$-3.31 NP1:ϕ_s45.92000°,δ49.49000° ,λ151.30000°. NP2:ϕ_s155.50000°,δ68.59000°,λ44.25000°. Principal axes: T 8.4631,Plg46.0000°,Azm19.0000°; N 1.2487,Plg42.0000°,Azm176.0000° ; P -9.7118,Plg12.0000°,Azm277.0000° $M_0$9.15000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107091140A. Moment Tensor Solution. s90,c132; s140,c254;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.38±.02 $M_{\theta\theta}$0.51±.01; $M_{\phi\phi}$-0.89±.01; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$-0.30±.03; Best double couple: NP1: ϕ_s47.00000°,δ54.00000°,λ155.00000°. NP2:ϕ_s152.00000°,δ70.00000°,λ39.00000°. Principal axes: T 1.0640,Plg41.0000°,Azm15.0000°; N -0.0880,Plg47.0000°,Azm175.0000° ; P -0.9760,Plg10.0000°,Azm276.0000° $M_0$1.02000×10^{17}

(229) Off east coast of Honshu

ISC	**VII**	**09 20 23 44.0–.39**	**37.24N–.03**	**143.82E–.03**	**15–2**	**5.4b,4.9s**	**1103**	**2-162**
IDC	VII	09 20 23 42.2–.36	37.14N	143.79E	0	5.0b,5.0		¶620787245
NEIC	VII	09 20 23 43.8	37.22N	143.80E	15	5.0b,5.0		
GFZ	VII	09 20 23 43.6–.35	37N–3.0	144E–5.0	10	5.3b,5.1		
JMA	VII	09 20 23 45.0–.09	37.2N–.30	143.7E–.30	32–1	5.3W,5.2		
BJI	VII	09 20 23 44.8	37.31N	143.20E	5	5.3b,5.2s		
NEIC	VII	09 20 23 44.1	37.22N	143.80E	16	5.3,5.2s		
NIED	VII	09 20 23 45.0	37.17N	143.72E	32	5.2W,5.2s		
GFZ	VII	09 20 23 44.6	37.22N	143.76E	14	5.3W,5.2s		
NEIC	VII	09 20 23 44.8–1.5	37.28N–.07	143.8E–.10	19–3	5.4b,5.2s		
MOS	VII	09 20 23 46.2–.99	37.50N	143.71E	27	5.5b,5.2s		
GCMT	VII	09 20 23 47.6–.10	37.19N–.01	143.65E–.01	12	5.3W,5.2s		
BGR	VII	09 20 23 48.9	37.55N	143.61E	33	5.5b,5.0s		

ISC Event type ke.
IDC Error ellipse: s-maj=9.1km s-min=8.7km az=145.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type fe. FAR E OFF NORTH HONSHU .
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21 $M_{\theta\theta}$0.33 $M_{\phi\phi}$0.88 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.26 $M_{\phi r}$0.34 NP1:ϕ_s28.01000°,δ37.74000°,λ-79.08000°. NP2:ϕ_s194.30000°,δ53.06000°,λ-98.34000°. Principal axes: T 1.0223,Plg8.0000°,Azm290.0000°; N 0.2450,Plg7.0000°,Azm199.0000°; P -1.2673,Plg80.0000°,Azm69.0000° $M_0$1.16000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.15 $M_{\theta\theta}$1.99 $M_{\phi\phi}$5.16 $M_{r\theta}$-2.42 $M_{\theta\phi}$2.29 $M_{\phi r}$0.72 NP1:ϕ_s193.00000°,δ45.00000°,λ-113.00000°. NP2:ϕ_s43.00000°,δ49.00000°,λ-69.00000°. $M_0$7.13000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-10.30 $M_{\theta\theta}$3.20 $M_{\phi\phi}$7.09 $M_{r\theta}$-0.24 $M_{\theta\phi}$2.36 $M_{\phi r}$2.46 NP1:ϕ_s199.02297°,δ51.78468°,λ-96.92406°. NP2:ϕ_s30.12932°,δ38.74297°,λ-81.29493°. Principal axes: T 8.4480,Plg6.5509°,Azm293.9453°; N 2.2112,Plg5.4351°,Azm203.3192°; P -10.6592,Plg81.4727°,Azm73.9315° $M_0$9.74365×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.3km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.7km s-min=3.5km az=110.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107092023A. Moment Tensor Solution. s119,c216; s158,c336;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$0.21±.01; $M_{\phi\phi}$0.77±.01; $M_{r\theta}$-0.09±.03; $M_{\theta\phi}$0.28±.01; $M_{\phi r}$0.53±.03; Best double couple: NP1:ϕ_s33.00000°,δ33.00000°,λ-69.00000°. NP2:ϕ_s189.00000°,δ59.00000°,λ-103.00000°. Principal axes: T 0.9940,Plg13.0000°,Azm288.0000°; N 0.1480,Plg11.0000°,Azm195.0000°; P -1.1420,Plg72.0000°,Azm67.0000° $M_0$1.06800×10^{17}
BGR Event type ke.

(705) Off west coast of northern Sumatera

ISC	**VII**	**10 00 26 32.7–1.4**	**0.21N–.06**	**96.50E–.08**	**32**	**3.6b**	**40**	**1-61**
DJA	VII	10 00 26 31.6–1.1	0N–3.0	97E–5.0	24–13	6.0b,5.6		¶626066423
IDC	VII	10 00 26 39.2–3.4	0.68N	98.48E	0	4.3L,3.7b		

ISC Event type se.
IDC Error ellipse: s-maj=148.2km s-min=23.7km az=58.0.

(263) Talaud Islands

ISC	**VII**	**10 00 43 56.4–.22**	**2.96N–.02**	**126.52E–.03**	**56–1**	**5.8b,5.6s**	**2760**	**1-179**
IDC	VII	10 00 43 48.8–.28	3.06N	126.48E	0	5.5b,5.5		¶620787252
MAN	VII	10 00 43 52.3	2.58N	126.48E	100	6.4b,6.2s		
MOS	VII	10 00 43 52.7–.93	2.96N	126.47E	36	6.1b,5.5s		
GFZ	VII	10 00 43 53.6	3.07N	126.53E	31	6.2W,5.5s		
GFZ	VII	10 00 43 53.6–.20	3N–2.0	127E–2.0	26–1	6.5b,6.2		
BJI	VII	10 00 43 54.5	2.95N	126.65E	60	6.0b,5.8s		
NEIC	VII	10 00 43 56.0–1.9	2.95N–.06	126.50E–.06	44–3	6.1,5.9b		
NEIC	VII	10 00 43 55.7	2.96N	126.50E	41	6.1,5.9b		
ISC-P	VII	10 00 43 55	2.95N	126.50E	27–0	6.4,5.9b		
IPGP	VII	10 00 43 57.0	2.96N	126.64E	25	6.3W,5.9b		
DJA	VII	10 00 43 57.4–.10	3N–1.0	127E–1.0	64–1	6.4b,6.4		
NEIC	VII	10 00 43 57.8	2.96N	126.64E	68	6.4b,6.4		
GCMT	VII	10 00 43 58.8–.10	3.01N	126.71E	42–0	6.2W,6.4		
PTWC	VII	10 00 43 59	2.90N	126.60E	72	6.2,6.4		
NEIC	VII	10 00 44 03.6	3.26N	126.74E	40	6.1,6.4		

ISC Event type se.
IDC Error ellipse: s-maj=8.2km s-min=6.0km az=86.0.
MAN Event type fe.
MOS Error ellipse: s-maj=6.8km s-min=3.5km az=116.1.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.28 $M_{\theta\theta}$0.21 $M_{\phi\phi}$-1.50 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.12 $M_{\phi r}$1.86 NP1:ϕ_s179.44925°,δ18.46891°,λ82.46601°. NP2:ϕ_s7.38725°,δ71.69621°,λ92.50745°. Principal axes: T 2.2289,Plg63.2219°,Azm281.3245°; N 0.2174,Plg2.3805°,Azm186.5993°; P -2.4463,Plg26.6550°,Azm95.4036° $M_0$2.34514×10^{18}
GFZ Error ellipse: s-maj=4.4km s-min=3.2km az=96.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.7km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.48 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-1.54 $M_{r\theta}$0.37 $M_{\theta\phi}$-0.01 $M_{\phi r}$1.39 NP1:ϕ_s10.37000°,δ67.00000°,λ98.14000°. NP2:ϕ_s170.26000°,δ24.33000°,λ71.55000°. Principal axes: T 2.0776,Plg67.0000°,Azm295.0000°; N 0.0178,Plg7.0000°,Azm187.0000°; P -2.0954,Plg22.0000°,Azm94.0000° $M_0$2.09000×10^{18}
NEIC Event type se.
ISC-P Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}0.36±.15 $M_{\theta\theta}$-0.04±.20; $M_{\phi\phi}$-0.31±.20; $M_{r\theta}$0.18±.11; $M_{\theta\phi}$0.56±.15; $M_{\phi r}$-0.22±.12; NP1:ϕ_s19.30000°,δ73.30000°,λ82.90000°. NP2:ϕ_s222.80000°,δ18.10000°,λ112.40000°. $M_0$5.31000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s165.00000°,δ26.00000°,λ69.00000°. NP2:ϕ_s8.00000°,δ66.00000°,λ100.00000°.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107100043A. Moment Tensor Solution. s171,c428; s176,c656;Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.74±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$-1.93±.01; $M_{r\theta}$0.13±.01; $M_{\theta\phi}$-0.29±.01; $M_{\phi r}$1.51±.02; Best double couple: NP1:ϕ_s190.00000°,δ25.00000°,λ94.00000°. NP2:ϕ_s6.00000°,δ65.00000°,λ88.00000°. Principal axes: T 2.2820,Plg70.0000°,Azm272.0000°; N 0.2320,Plg2.0000°,Azm6.0000°; P -2.5080,Plg20.0000°,Azm97.0000° $M_0$2.39500×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s1 Moment tensor: Scale 10^{18}Nm; M_{rr}1.91 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-1.82 $M_{r\theta}$0.03 $M_{\theta\phi}$0.01 $M_{\phi r}$0.83 NP1:ϕ_s178.87000°,δ33.01000°,λ88.37000°. NP2:ϕ_s0.81000°,δ57.01000°,λ91.06000°. Principal axes: T 2.0862,Plg78.0000°,Azm274.0000°; N -0.0935,Plg1.0000°,Azm180.0000°; P -1.9927,Plg12.0000°,Azm90.0000° $M_0$2.04000×10^{18}

(266) Northern Molucca Sea

ISC	**VII**	**10 00 51 08.5–.32**	**2.93N–.03**	**126.57E–.04**	**47–2**	**5.4s,5.4b**	**1112**	**1-172**
IDC	VII	10 00 51 01.8–.33	2.86N	126.38E	0	5.2L,5.2b		¶620787253
BJI	VII	10 00 51 03.6	2.44N	126.56E	45	5.7b,5.6s		
MOS	VII	10 00 51 06.1–.98	3.09N	126.49E	33	5.7b,5.5s		
MAN	VII	10 00 51 07.5	2.98N	126.98E	22	5.9b,5.4s		
NEIC	VII	10 00 51 08.8–1.6	2.97N–.06	126.56E–.06	43–4	5.7,5.5b		
GFZ	VII	10 00 51 09.3–.13	3N–2.0	127E–3.0	49	6.0b,5.8		
DJA	VII	10 00 51 09.8–.20	3N–2.0	127E–1.0	53–2	6.5b,6.3		
GCMT	VII	10 00 51 12.8–.20	2.94N–.01	126.81E–.01	44–0	5.8W,6.3		

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107100051A. Moment Tensor Solution. s77,c95; s147,c283; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}6.15±.23 $M_{\theta\theta}$-0.19±.13; $M_{\phi\phi}$-5.96±.13; $M_{r\theta}$0.39±.08; $M_{\theta\phi}$-1.11±.07; $M_{\phi r}$3.57±.11; Best double couple: NP1:ϕ_s193.00000°,δ30.00000°,λ94.00000°. NP2:ϕ_s8.00000°,δ60.00000°,λ88.00000°. Principal axes: T 7.1250,Plg75.0000°,Azm273.0000°; N 0.0060,Plg2.0000°,Azm9.0000°; P -7.1320,Plg15.0000°,Azm100.0000° $M_0$7.12900×10^{17}

(266) Northern Molucca Sea

ISC	**VII**	**10 00 58 13.1–.34**	**2.97N–.03**	**126.59E–.05**	**52–3**	**5.0b**	**558**	**1-165**
IDC	VII	10 00 58 06.2–.37	2.90N	126.30E	0	4.8b,4.8		¶620787254
BJI	VII	10 00 58 07.0	2.30N	126.64E	60	5.7b,5.2s		
DJA	VII	10 00 58 13.5–.20	3N–2.0	127E–2.0	55–2	6.4b,6.2		
NEIC	VII	10 00 58 13.4–1.7	2.92N–.04	126.55E–.06	51–5	5.0b,6.2		
GFZ	VII	10 00 58 13.5–.15	3N–2.0	127E–2.0	58	5.1b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(717) Afghanistan-Tajikistan border region

ISC	**VII**	**10 02 14 43.2–.38**	**38.91N–.02**	**70.61E–.02**	**15–2**	**5.9s,5.8b**	**2442**	**1-149**
IDC	VII	10 02 14 40.6–.32	38.84N	70.66E	0	5.6b,5.6		¶620787256
MOS	VII	10 02 14 41.1–1.1	38.88N	70.64E	11	6.1b,5.8s		
KRNET	VII	10 02 14 42.7–.10	39.03N	70.56E		6.5b,5.8s		
ISC-P	VII	10 02 14 42	38.92N	70.56E	5–0	,5.8s		
NEIC	VII	10 02 14 42.9–2.1	38.92N–.04	70.56E–.08	12–3	5.9,5.8b		
NNC	VII	10 02 14 42.3–1.1	39.08N	70.34E	0	6.4b,5.8		
SOME	VII	10 02 14 42.1	38.73N	70.45E	10	6.4b,5.8		
GFZ	VII	10 02 14 43.4	38.91N	70.65E	16	5.8W,5.8		
NEIC	VII	10 02 14 43.6	38.95N	70.59E	15	5.8W,5.8		
GFZ	VII	10 02 14 43.5–.09	39N–2.0	71E–1.0	10	6.2b,5.9b		
GCMT	VII	10 02 14 44.7–.10	39.00N–.01	70.47E–.01	12	5.8W,5.9b		
BGR	VII	10 02 14 45.4	39.04N	70.70E	33	6.0s,5.8b		
PTWC	VII	10 02 14 47	39.00N	70.60E	42	5.7,5.8b		
BJI	VII	10 02 14 48.0	38.85N	71.15E	40	6.2s,6.1L		
NEIC	VII	10 02 14 51.2	39.05N	70.47E	22	5.7,6.1L		

ISC Event type ke.
IDC Error ellipse: s-maj=8.1km s-min=6.8km az=179.0.
MOS Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=109.0. Felt (III-IV) at Fergana, Gulistan, Namangan, Andizhan, (III) at Dzhizak, Tashkent, Samarkand, Termez, Karshi, Navoi, (II-III) at Dushanbe. Moment Tensor Solution.
ISC-P Moment Tensor Solution. s47 Moment tensor: M_{rr}0.50±.15 $M_{\theta\theta}$-0.18±.14; $M_{\phi\phi}$0.48±.13; $M_{r\theta}$-0.28±.13; $M_{\theta\phi}$-0.35±.10; $M_{\phi r}$-0.20±.12; NP1:ϕ_s112.00000°,δ36.20000°,λ156.00000°. NP2:ϕ_s221.80000°,δ76.10000°,λ56.20000°.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.1km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=42.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.24 $M_{\theta\theta}$-2.25 $M_{\phi\phi}$-2.99 $M_{r\theta}$2.21 $M_{\theta\phi}$-2.46 $M_{\phi r}$-1.01 NP1:ϕ_s202.29192°,δ44.51328°,λ60.51514°. NP2:ϕ_s60.70363°,δ52.39057°,λ115.82241°. Principal axes: T 6.1487,Plg69.3512°,Azm31.5627°; N -0.9891,Plg20.1857°,Azm224.2511°; P -5.1596,Plg4.1690°,Azm132.7154° $M_0$5.71870×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107100214A. Moment Tensor Solution. s138,c258; s161,c379;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.09±.06 $M_{\theta\theta}$-2.37±.06; $M_{\phi\phi}$-2.72±.05; $M_{r\theta}$-1.86±.18; $M_{\theta\phi}$-4.60±.05; $M_{\phi r}$-3.36±.17; Best double couple: NP1:ϕ_s59.00000°,δ31.00000°,λ113.00000°. NP2:ϕ_s213.00000°,δ62.00000°,λ77.00000°. Principal axes: T 6.3400,Plg70.0000°,Azm94.0000°; N 1.8530,Plg12.0000°,Azm219.0000°; P -8.1920,Plg16.0000°,Azm312.0000° $M_0$7.26600×10^{17}
BGR Event type ke.
PTWC AFGHANISTAN-TAJIKISTAN BORDER REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}2.87 $M_{\theta\theta}$-2.77 $M_{\phi\phi}$-0.10 $M_{r\theta}$1.89 $M_{\theta\phi}$-2.41 $M_{\phi r}$-0.34 NP1:ϕ_s213.12000°,δ40.22000°,λ47.99000°. NP2:ϕ_s82.84000°,δ61.33000°,λ119.51000°. Principal axes: T 3.7731,Plg62.0000°,Azm40.0000°; N 0.7114,Plg26.0000°,Azm248.0000°; P -4.4845,Plg12.0000°,Azm152.0000° $M_0$4.17000×10^{17}

(706) Northern Sumatera

ISC	**VII**	**10 02 41 09.8–.31**	**1.82N–.03**	**97.02E–.03**	**23–1**	**5.3b,5.0s**	**1274**	**1-175**
BGR	VII	10 02 41 04.9	1.35N	98.51E	33	5.2b,5.0s		¶620787257
MOS	VII	10 02 41 06.6–.89	1.85N	97.05E	13	5.6b,4.9s		
BJI	VII	10 02 41 06.8	1.73N	97.09E	23	5.9b,5.5b		
IDC	VII	10 02 41 06.3–.34	1.87N	96.96E	0	5.0b,5.0		
NEIC	VII	10 02 41 09.5–1.8	1.82N–.05	96.98E–.06	17–3	5.4b,5.0		
DJA	VII	10 02 41 10.1–.30	2N–2.0	97E–2.0	28–2	6.1,6.1		
GFZ	VII	10 02 41 11.3–.20	2N–2.0	97E–2.0	28–1	5.4,5.3b		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(705) Off west coast of northern Sumatera

ISC	**VII**	**10 07 11 31.2–.73**	**0.72N–.08**	**92.80E–.08**	**10**	**4.1b**	**87**	**5-146**
IDC	VII	10 07 11 28.9–1.0	0.65N	92.69E	0	4.0L,3.9		¶620928339
NEIC	VII	10 07 11 30.1–.96	0.67N–.10	92.64E–.04	10–1	4.4b,3.9		
DJA	VII	10 07 11 33.2–.40	1N–3.0	93E–4.0	10	5.7b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(6) Rat Islands

ISC	**VII**	**11 02 11 37.9–.39**	**52.12N–.04**	**177.27E–.02**	**12–2**	**5.1s,5.1b**	**867**	**1-161**
BJI	VII	11 02 11 33.7	52.33N	177.42E	8	5.6s,5.4b		¶620787398
AEIC	VII	11 02 11 34.5–2.4	51.94N–.07	177.12E–.05	1–3	5.6s,5.4b		
IDC	VII	11 02 11 35.9–.41	52.13N	177.36E	0	5.0L,4.9s		
NEIC	VII	11 02 11 36.9	51.80N	177.14E	18	5.4,4.9s		
NEIC	VII	11 02 11 36.6–2.5	52.10N–.07	177.16E–.05	10–1	5.2b,4.9L		
NEIC	VII	11 02 11 36.5	52.10N	177.14E	10	5.2b,4.9L		
MOS	VII	11 02 11 37.8–1.2	52.10N	177.29E	23	5.3b,5.1s		
GCMT	VII	11 02 11 38.9–.10	52.20N–.01	177.25E–.01	12	5.4W,5.1s		
GFZ	VII	11 02 11 38.7–.20	52N–6.0	177E–3.0	10	5.0,4.9b		
GFZ	VII	11 02 11 38.2	51.99N	177.45E	16	5.3W,4.9b		
BGR	VII	11 02 11 47.1	52.83N	175.81E	33	5.1b,4.8s		

ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.1km az=183.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.8km s-min=8.6km az=164.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.17 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-0.14 $M_{r\theta}$-0.23 $M_{\theta\phi}$-1.42 $M_{\phi r}$-0.23 NP1:ϕ_s358.37000°,δ82.16000°,λ-7.07000°. NP2:ϕ_s89.34000°,δ82.99000°,λ-172.10000°. Principal axes: T 1.3383,Plg1.0000°,Azm224.0000°; N 0.2330,Plg79.0000°,Azm131.0000°; P -1.5713,Plg11.0000°,Azm314.0000° $M_0$1.47000×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=4.8km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
MOS Error ellipse: s-maj=7.0km s-min=4.5km az=110.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107110211A. Moment Tensor Solution. s111,c183; s164,c327;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24±.01 $M_{\theta\theta}$-0.11±.02; $M_{\phi\phi}$-0.13±.01; $M_{r\theta}$-0.14±.04; $M_{\theta\phi}$-1.34±.01; $M_{\phi r}$-0.60±.04; Best double couple: NP1:ϕ_s90.00000°,δ65.00000°,λ179.00000°. NP2:ϕ_s181.00000°,δ89.00000°,λ25.00000°. Principal axes: T 1.3230,Plg18.0000°,Azm48.0000°; N 0.2900,Plg65.0000°,Azm184.0000°; P -1.6130,Plg16.0000°,Azm313.0000° $M_0$1.46800×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.33 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.15 $M_{\theta\phi}$-1.17 $M_{\phi r}$0.01 NP1:ϕ_s179.47103°,δ81.17027°,λ3.26567°. NP2:ϕ_s88.96923°,δ86.77307°,λ171.15613°. Principal axes: T 1.0204,Plg8.5309°,Azm43.9215°; N 0.3203,Plg80.5902°,Azm249.0799°; P -1.3407,Plg3.9414°,Azm134.5136° $M_0$1.21272×10^{17}
BGR Event type ke.

(221) Kuril Islands

ISC	**VII**	**13 00 30 17.5–.21**	**46.14N–.03**	**151.64E–.02**	**53–1**	**5.9b,5.2s**	**2879**	**3-156**
BJI	VII	13 00 30 12.1	46.27N	151.96E	35	5.9b,5.7b		¶620804947

NEIC VII 13 00 30 16.9 46.16N 151.62E 36 5.9b,5.7b
IPGP VII 13 00 30 16.0 46.18N 151.65E 46 5.7W,5.7b
PTWC VII 13 00 30 16 45.90N 151.80E 38 5.8,5.7b
SKHL VII 13 00 30 17.6–.20 45.90N 152.00E 72–7 6.5b,5.8s
NEIC VII 13 00 30 17.3 45.86N 152.06E 60 5.6,5.8s
MOS VII 13 00 30 17.0–1.0 46.22N 151.56E 58 5.9b,5.4s
ISC-P VII 13 00 30 17 46.17N 151.62E 34–0 6.1,5.4s
GFZ VII 13 00 30 17.1 46.13N 151.65E 36 5.8W,5.4s
NEIC VII 13 00 30 17.7–1.8 46.17N–.07 151.62E–.10 44–3 6.1b,5.2
GFZ VII 13 00 30 17.1–.18 46N–2.0 152E–2.0 41–1 6.1b,5.8
IDC VII 13 00 30 18.6–.86 46.19N 151.56E 56–6 5.5,5.2b
NIED VII 13 00 30 20.7 45.59N 151.50E 30 5.8W,5.2b
JMA VII 13 00 30 20.7–1.3 46N–4.0 152E–8.0 30 6.2,5.7W
GCMT VII 13 00 30 20.0–.10 46.06N–.01 151.86E–.01 59–1 5.7W,5.7W
BGR VII 13 00 30 24.2 47.24N 149.94E 33 5.8b,5.4s
ISC Event type ke.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s22.00000°,δ11.00000°,λ112.00000°. NP2:ϕ_s179.00000° ,δ80.00000°,λ86.00000°.
NEIC Event type se. Moment Tensor Solution.Duration: 3τ6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.52 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.46 $M_{r\theta}$0.90 $M_{\theta\phi}$0.09 $M_{\phi r}$-2.80 NP1:ϕ_s353.21000°,δ4.87000° ,λ100.88000°. NP2:ϕ_s162.29000°,δ85.21000°,λ89.08000°. Principal axes: T 3.0083,Plg50.0000°,Azm71.0000°; N -0.0420,Plg1.0000°,Azm162.0000° ; P -2.9663,Plg40.0000°,Azm253.0000° M_o2.99000×10^{17}
MOS Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=99.8. Felt (III) at Gornyy; (II-III) at Kuril'sk, Reydovo, Yuzhno-Kuril'sk. Moment Tensor Solution.
ISC-P Moment Tensor Solution. s51 Moment tensor: Scale 10^{18}Nm; M_{rr}0.12±.21 $M_{\theta\theta}$-0.37±.26; $M_{\phi\phi}$0.36±.17; $M_{r\theta}$0.05±.21; $M_{\theta\phi}$-0.35±.15; $M_{\phi r}$0.48±.17; NP1:ϕ_s159.50000°,δ83.20000° ,λ149.80000°. NP2:ϕ_s253.40000°,δ60.00000°,λ7.80000°. M_o1.58000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.06 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.58 $M_{\phi r}$-5.02 NP1: ϕ_s181.61765°,δ77.93067°,λ84.82498°. NP2:ϕ_s25.03701°,δ13.11686°,λ112.87192°. Principal axes: T 5.3309,Plg56.7734°,Azm84.9334°; N 0.3867,Plg5.0603°,Azm182.7025° ; P -5.7176,Plg32.7385°,Azm275.9663° M_o5.53438×10^{17}
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.3km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=4.1km s-min=2.9km az=125.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=8.5km s-min=7.4km az=127.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}5.71 $M_{\theta\theta}$-4.92 $M_{\phi\phi}$-0.79 $M_{r\theta}$0.97 $M_{\theta\phi}$-1.13 $M_{\phi r}$-3.69 NP1:ϕ_s232.00000°,δ50.00000°,λ56.00000°. NP2:ϕ_s99.00000° ,δ50.00000°,λ124.00000°. M_o6.37000×10^{17}
JMA Event type fe. KURILE ISLANDS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107130030A. Moment Tensor Solution. s155,c321; s173,c348;Duration: 1τ7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.04 $M_{\theta\theta}$-1.06±.04; $M_{\phi\phi}$0.32±.04; $M_{r\theta}$-0.01±.03; $M_{\theta\phi}$0.08±.03; $M_{\phi r}$-4.55±.05; Best double couple: NP1: ϕ_s318.00000°,δ2.00000°,λ49.00000°. NP2:ϕ_s180.00000°,δ89.00000°,λ91.00000°. Principal axes: T 5.0830,Plg46.0000°,Azm91.0000°; N -1.0600,Plg1.0000°,Azm360.0000° ; P -4.0270,Plg44.0000°,Azm269.0000° M_o4.55500×10^{17}
BGR Event type ke.

(219) Off east coast of Kamchatka Peninsula

ISC	**VII**	**13 02 28 56.0–.40**	**52.47N–.03**	**160.55E–.02**	**24–2**	**5.3b,5.2s**	**1475**	**1-161**	
IDC	VII	13 02 28 53.0–.35	52.58N	160.28E	0	5.3,5.2b			**¶620804953**
BJI	VII	13 02 28 53.3	52.80N	159.94E	10	5.6s,5.5			
KRSC	VII	13 02 28 54.1–1.3	52.37N	160.73E	51–18	5.7L,5.5			
GFZ	VII	13 02 28 55.3–.26	53N–4.0	161E–4.0	10	5.5b,5.2			
GFZ	VII	13 02 28 55.5	52.58N	160.39E	19	5.2W,5.2			
NEIC	VII	13 02 28 55.2–1.6	52.50N–.08	160.51E–.04	15–3	5.3b,5.2			
MOS	VII	13 02 28 58.1–.90	52.52N	160.33E	59	5.7b,5.3s			
BGR	VII	13 02 28 59.7	52.74N	159.51E	33	5.6b,5.0s			
GCMT	VII	13 02 29 00.8–.10	52.39N–.01	160.65E–.01	28–0	5.4W,5.0s			

ISC Event type ke.
KRSC Event type se. Felt [II-III] at Petropavlovsk; Felt at Ribachiy, Elizovo.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}7.67 $M_{\theta\theta}$-3.16 $M_{\phi\phi}$-4.52 $M_{r\theta}$-0.16 $M_{\theta\phi}$-5.25 $M_{\phi r}$2.70 NP1: ϕ_s236.60123°,δ40.62369°,λ113.44362°. NP2:ϕ_s26.86048°,δ53.32022°,λ71.15619°. Principal axes: T 8.4048,Plg73.5526°,Azm243.0914°; N 0.9482,Plg15.0127°,Azm38.3830° ; P -9.3530,Plg6.5639°,Azm130.1514° M_o8.91676×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107130228A. Moment Tensor Solution. s115,c202; s139,c273;Duration: 1τ2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.02 $M_{\theta\theta}$-0.58±.02; $M_{\phi\phi}$-0.55±.02; $M_{r\theta}$0.71±.03; $M_{\theta\phi}$-0.62±.01; $M_{\phi r}$0.77±.03; Best double couple: NP1: ϕ_s228.00000°,δ24.00000°,λ94.00000°. NP2:ϕ_s43.00000°,δ66.00000°,λ88.00000°. Principal axes: T 1.5340,Plg69.0000°,Azm310.0000°; N 0.0500,Plg2.0000°,Azm44.0000° ; P -1.5840,Plg21.0000°,Azm135.0000° M_o1.55900×10^{17}

(189) Southeast of Loyalty Islands

ISC	**VII**	**13 11 26 51.0–.77**	**23.19S–.04**	**172.41E–.04**	**16–4**	**5.4b,5.2s**	**582**	**5-167**	
MOS	VII	13 11 26 48.8–1.0	23.25S	172.27E	10	5.5b,5.1s			**¶620805842**
IDC	VII	13 11 26 48.6–.49	23.15S	172.34E	0	4.8s,4.5b			
BJI	VII	13 11 26 49.0	23.30S	172.30E	10	5.3b,5.2s			
NEIC	VII	13 11 26 50.9	23.31S	172.26E	10	5.3b,5.2s			
GFZ	VII	13 11 26 50.8	23.10S	172.37E	10	5.5W,5.2s			
NEIC	VII	13 11 26 50.2–.88	23.32S–.07	172.30E–.08	10–1	5.6b,5.5			
GFZ	VII	13 11 26 50.8–.18	23S–4.0	172E–4.0	10	5.2,5.0b			
NOU	VII	13 11 26 54.4	23.01S	172.40E	33	5.0b,5.0b			
GCMT	VII	13 11 26 56.1–.10	23.05S	172.31E	12	5.5W,5.0b			

ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=8.5km az=62.6.
IDC Error ellipse: s-maj=16.2km s-min=13.3km az=164.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.19 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$0.09 $M_{r\theta}$1.54 $M_{\theta\phi}$-0.02 $M_{\phi r}$-0.20 NP1: ϕ_s95.68756°,δ70.92675°,λ94.63229°. NP2:ϕ_s261.76173°,δ19.60735°,λ76.85281°. Principal axes: T 1.9454,Plg63.7886°,Azm13.1163°; N 0.0690,Plg4.3775°,Azm274.1709° ; P -2.0144,Plg25.7878°,Azm182.0513° M_o1.98083×10^{17}
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=11.5km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.14 $M_{\theta\theta}$-2.70 $M_{\phi\phi}$0.56 $M_{r\theta}$-0.38 $M_{\theta\phi}$0.13 $M_{\phi r}$-0.29 NP1:ϕ_s102.90000°,δ41.66000°,λ105.52000°. NP2:ϕ_s262.51000°,δ50.18000° ,λ76.61000°. Principal axes: T 2.2240,Plg79.0000°,Azm115.0000°; N 0.5079,Plg10.0000° ,Azm271.0000°; P -2.7319,Plg4.0000°,Azm2.0000° M_o2.52000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Southeast of Loyalty Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107131126A. Moment Tensor Solution. s127,c256; s147,c301;Duration: 1τ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35±.01 $M_{\theta\theta}$-1.56±.01; $M_{\phi\phi}$0.22±.01; $M_{r\theta}$1.23±.04; $M_{\theta\phi}$-0.03±.01; $M_{\phi r}$0.26±.04; Best double couple: NP1: ϕ_s278.00000°,δ25.00000°,λ106.00000°. NP2:ϕ_s81.00000°,δ66.00000°,λ83.00000°. Principal axes: T 1.8330,Plg69.0000°,Azm337.0000°; N 0.1930,Plg7.0000°,Azm84.0000° ; P -2.0160,Plg20.0000°,Azm177.0000° M_o1.92500×10^{17}

(244) Taiwan

ISC	**VII**	**13 22 52 05.9–.39**	**23.92N–.01**	**121.64E–.01**	**15–2**	**5.3b,4.7s**	**861**	**0-177**	
IDC	VII	13 22 52 02.3–.39	23.90N	121.67E	0	4.6s,4.5L			**¶620823838**
JMA	VII	13 22 52 04.2–.17	23.9N–.40	122E–1.0	0	5.5,5.2W			
NIED	VII	13 22 52 04.2	23.94N	121.63E	0	5.4W,5.2W			
NEIC	VII	13 22 52 04.7	23.90N	121.66E	4	5.4W,5.2W			
TAP	VII	13 22 52 05.3	23.94N	121.60E	9–0	5.4L,5.2W			
NEIC	VII	13 22 52 05.2–1.6	23.90N–.02	121.62E–.05	10–1	5.4b,5.2			
ASIES	VII	13 22 52 05.5	23.95N	121.60E	6	5.2W,5.2			
NEIC	VII	13 22 52 05.3	23.90N	121.65E	10	5.2W,5.2			
BJI	VII	13 22 52 05.0	23.89N	121.73E	10	5.6s,5.6			
GFZ	VII	13 22 52 06.7–.20	24N–3.0	122E–2.0	10	4.9,4.8b			
GFZ	VII	13 22 52 06.3	23.94N	121.65E	11	5.1W,4.8b			
GCMT	VII	13 22 52 07.0–.10	23.93N–.01	121.62E–.01	12–0	5.2W,4.8b			
NEIC	VII	13 22 52 10.4	23.90N	121.65E	12	5.2,4.8b			

ISC Event type ke.
IDC Error ellipse: s-maj=11.4km s-min=9.4km az=90.0.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.84 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-0.48 $M_{r\theta}$1.01 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.66 NP1:ϕ_s211.00000°,δ18.00000°,λ69.00000°. NP2:ϕ_s54.00000° ,δ73.00000°,λ97.00000°. M_o1.45000×10^{17}
NEIC Event type se.
TAP B.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.3km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}6.01 $M_{\theta\theta}$-2.15 $M_{\phi\phi}$-3.86 $M_{r\theta}$2.30 $M_{\theta\phi}$-2.92 $M_{\phi r}$5.81 NP1:ϕ_s26.07000°,δ68.21000°,λ81.94000°. NP2:ϕ_s226.94000°,δ23.16000° ,λ109.32000°. Principal axes: T 8.7757,Plg66.0000°,Azm282.0000°; N -0.1825,Plg7.0000° ,Azm29.0000°; P -8.5932,Plg23.0000°,Azm122.0000° M_o8.69000×10^{16}
ASIES Moment Tensor Solution. NP1:ϕ_s192.00000°,δ11.00000°,λ60.00000°. NP2:ϕ_s42.00000° ,δ80.00000°,λ96.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}5.17 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$-3.62 $M_{r\theta}$-1.19 $M_{\theta\phi}$-2.66 $M_{\phi r}$2.61 NP1: ϕ_s234.02581°,δ40.84613°,λ123.44356°. NP2:ϕ_s12.90173°,δ56.92465°,λ64.52291°. Principal axes: T 6.3533,Plg67.0436°,Azm231.6557°; N -0.6887,Plg21.1276°,Azm27.4780° ; P -5.6646,Plg8.5694°,Azm120.8161° M_o6.03850×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107132252A. Moment Tensor Solution. s95,c154; s145,c280;Duration: 1τ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.02 $M_{\theta\theta}$-0.15±.01; $M_{\phi\phi}$-0.58±.01; $M_{r\theta}$0.27±.03; $M_{\theta\phi}$-0.27±.01; $M_{\phi r}$0.32±.03; Best double couple: NP1: ϕ_s199.00000°,δ31.00000°,λ78.00000°. NP2:ϕ_s33.00000°,δ60.00000°,λ97.00000°. Principal axes: T 0.8530,Plg74.0000°,Azm321.0000°; N -0.0310,Plg6.0000°,Azm209.0000° ; P -0.8210,Plg15.0000°,Azm118.0000° M_o0.83700×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2τ1 Moment tensor: Scale 10^{16}Nm; M_{rr}6.29 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$-4.67 $M_{r\theta}$1.38 $M_{\theta\phi}$-2.98 $M_{\phi r}$3.58 NP1:ϕ_s217.05000°,δ29.94000° ,λ99.53000°. NP2:ϕ_s26.09000°,δ60.51000°,λ84.55000°. Principal axes: T 7.3861,Plg74.0000°,Azm282.0000°; N 0.1425,Plg5.0000°,Azm29.0000° ; P -7.5286,Plg15.0000°,Azm120.0000° M_o7.46000×10^{16}

(210) South of Mariana Islands

ISC	**VII**	**14 09 24 52.9–.43**	**12.03N–.03**	**143.87E–.04**	**15–2**	**5.3b,4.8s**	**617**	**2-149**	
BJI	VII	14 09 24 49.6	11.90N	144.10E	18	5.4b,5.0s			**¶625560831**
IDC	VII	14 09 24 50.8–.43	12.03N	143.84E	0	4.7b,4.7			
NEIC	VII	14 09 24 52.6–.94	12.00N–.07	143.86E–.10	10–1	5.4,5.4b			
MOS	VII	14 09 24 52.1–.94	12.02N	143.77E	21	5.5b,5.0s			
GFZ	VII	14 09 24 53.2–.16	12N–2.0	144E–3.0	10	5.1,5.0b			
GCMT	VII	14 09 24 57.3–.10	11.86N–.01	143.76E–.01	12	5.3W,5.0b			
DJA	VII	14 09 24 59.4–.60	12N–6.0	144E–15	96–18	5.4b,5.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107140924A. Moment Tensor Solution. s110,c179; s138,c272;Duration: 1τ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.83±.01 $M_{\theta\theta}$-0.89±.01; $M_{\phi\phi}$0.05±.01; $M_{r\theta}$0.22±.03; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$-0.19±.04; Best double couple: NP1: ϕ_s235.00000°,δ43.00000°,λ63.00000°. NP2:ϕ_s90.00000°,δ52.00000°,λ113.00000°. Principal axes: T 0.9220,Plg71.0000°,Azm59.0000°; N 0.0830,Plg18.0000°,Azm255.0000° ; P -1.0050,Plg5.0000°,Azm163.0000° M_o0.96400×10^{17}

(266) Northern Molucca Sea

ISC	**VII**	**15 13 00 29.7–.38**	**2.92N–.04**	**126.84E–.05**	**35**	**4.5b,3.4s**	**117**	**1-122**	
IDC	VII	15 13 00 24.6–.48	2.73N	126.50E	0	4.3b,4.3			**¶621112240**
DJA	VII	15 13 00 28.1–.30	3N–3.0	127E–2.0	10	5.6b,5.1			
NEIC	VII	15 13 00 32.2–1.3	2.77N–.08	126.79E–.08	58–7	4.5b,5.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(211) Southeast of Honshu

ISC	**VII**	**16 04 19 57.6–.34**	**33.22N–.02**	**139.62E–.03**	**14–1**	**5.3b,5.1s**	**1229**	**0-161**	
BJI	VII	16 04 19 49.6	33.11N	140.27E	10	5.5s,5.4b			**¶625560846**
NIED	VII	16 04 19 57.0	33.27N	139.48E	16	5.4W,5.4b			
JMA	VII	16 04 19 57.0–.08	33.3N–.20	139.5E–.70	16–1	5.4,5.4W			
IDC	VII	16 04 19 57.0–1.3	33.16N	139.55E	10–7	5.0,4.9b			
GFZ	VII	16 04 19 57.6	33.26N	139.58E	10	5.4W,4.9b			
PTWC	VII	16 04 19 57	33.20N	139.60E	21	5.6,4.9b			
NEIC	VII	16 04 19 58.0–1.6	33.28N–.05	139.53E–.05	12–0	5.4b,4.9b			
NEIC	VII	16 04 19 57.6	33.29N	139.48E	8	5.4b,4.9b			
MOS	VII	16 04 19 57.0–.89	33.33N	139.45E	14	5.4s,5.4b			
GFZ	VII	16 04 19 57.6–.11	33N–2.0	140E–2.0	10	5.7b,5.2b			
NEIC	VII	16 04 19 58	33.09N	139.96E	12	5.4,5.2b			
GCMT	VII	16 04 19 59.5–.10	33.19N–.01	139.54E–.01	12	5.4W,5.2b			
BGR	VII	16 04 20 01.3	33.52N	140.70E	14–1	5.8,5.5b			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.16 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$1.49 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.18 $M_{\phi r}$0.48 NP1:ϕ_s13.00000°,δ37.00000°,λ-61.00000°. NP2:ϕ_s158.00000° ,δ58.00000°,λ-110.00000°. M_o1.48000×10^{17}
JMA Event type fe. NEAR HACHIJOJIMA ISLAND .
IDC Error ellipse: s-maj=9.8km s-min=7.5km az=52.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$1.56 $M_{r\theta}$-0.14 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.22 NP1: ϕ_s142.49328°,δ60.27700°,λ-133.16117°. NP2:ϕ_s24.62793°,δ50.69393°,λ-39.84894°. Principal axes: T 1.6346,Plg5.5858°,Azm261.5717°; N -0.7023,Plg36.4452°,Azm167.4299° ; P -0.9323,Plg52.9885°,Azm359.0258° M_o1.42024×10^{17}
PTWC IZU ISLANDS, JAPAN REGION.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.1km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
MOS Error ellipse: s-maj=6.4km s-min=3.3km az=115.5.
GFZ Error ellipse: s-maj=4.8km s-min=4.1km az=139.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2τ6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$1.59 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.52 $M_{\phi r}$-0.07 NP1:ϕ_s23.01000°,δ57.50000° ,λ-33.92000°. NP2:ϕ_s132.88000°,δ61.92000°,λ-142.48000°. Principal axes: T 1.7095,Plg3.0000°,Azm257.0000°; N -0.0308,Plg44.0000°,Azm164.0000° ; P -1.6787,Plg45.0000°,Azm350.0000° M_o1.69000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107160419A. Moment Tensor Solution. s101,c174; s161,c300;Duration: 1τ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.02 $M_{\theta\theta}$-0.92±.02; $M_{\phi\phi}$1.94±.02; $M_{r\theta}$-0.13±.05; $M_{\theta\phi}$-0.50±.02; $M_{\phi r}$0.80±.04; Best double couple: NP1: ϕ_s349.00000°,δ31.00000°,λ-93.00000°. NP2:ϕ_s172.00000°,δ59.00000°,λ-88.00000°. Principal axes: T 2.2270,Plg14.0000°,Azm260.0000°; N -1.0020,Plg1.0000°,Azm351.0000° ; P -1.2220,Plg76.0000°,Azm86.0000° M_o1.72500×10^{17}
BGR Event type ke.

(174) Tonga Islands region

ISC	**VII**	**16 10 02 01.7–.26**	**17.80S–.05**	**172.92W–.05**	**26**	**5.2b,4.8s**	**630**	**4-156**	
IDC	VII	16 10 01 57.8–.42	17.85S	173.13W	0	4.8b,4.7			**¶620831717**
MOS	VII	16 10 01 58.6–1.4	17.69S	173.06W	10	5.3b,4.9s			
BJI	VII	16 10 01 59.1	17.49S	172.81W	11	5.6b,5.2b			
NEIC	VII	16 10 01 59.6–1.1	17.60S–.10	173.05W–.06	10–1	5.4,5.2b			
GFZ	VII	16 10 02 00.5	17.77S	173.12W	30	5.4W,5.2b			
GFZ	VII	16 10 02 00.2–.18	18S–5.0	173W–4.0	10	5.1b,5.0			
NOU	VII	16 10 02 02.1	17.99S	172.72W	35	5.1b,5.0			

GCMT VII 16 10 02 05.4–.10 17.85S–.01 172.76W–.01 13–0 5.3W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.39 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-1.21 $M_{r\theta}$-0.85 $M_{\theta\phi}$-0.35 $M_{\phi r}$-0.89 NP1: ϕ_s213.71690°,δ66.34665°,λ102.53537°. NP2:ϕ_s4.72211°,δ26.59998°,λ63.64013°. Principal axes: T 1.9185,Plg66.3418°,Azm146.2028°; N -0.1953,Plg11.4673°,Azm28.6194° ; P -1.7232,Plg20.3999°,Azm294.2928° $M_0$1.82866×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Tonga Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107161002A. Moment Tensor Solution. s118,c201; s151,c296;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.02 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$-0.88±.01; $M_{r\theta}$0.39±.03; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$0.66±.03; Best double couple: NP1: ϕ_s197.00000°,δ27.00000°,λ80.00000°. NP2:ϕ_s28.00000°,δ64.00000°,λ95.00000°. Principal axes: T 1.1920,Plg71.0000°,Azm308.0000°; N 0.1280,Plg4.0000°,Azm205.0000° ; P -1.3200,Plg19.0000°,Azm114.0000° $M_0$1.25600×10^{17}

(177) Kermadec Islands region

ISC	**VII**	**16 15 56 35.3–.30**	**29.35S–.05**	**176.17W–.05**	**10**	**5.2b,4.4s**	**289**	**2-172**
IDC	VII	16 15 56 34.1–.44	29.19S	176.31W	0	4.6b,4.6		**¶621112241**
NEIC	VII	16 15 56 35.5	29.33S	176.20W	10	4.6b,4.6		
NEIC	VII	16 15 56 35.5–2.0	29.3S–.10	176.2W–.10	10–1	5.3b,4.6		
BJI	VII	16 15 56 35.9	29.01S	175.89W	15	5.6b,5.2b		
NEIC	VII	16 15 56 36	29.53S	175.74W	12	5.2,5.2b		
GFZ	VII	16 15 56 36.3–.19	29S–3.0	176W–4.0	10	5.3,4.9b		
NOU	VII	16 15 56 36.3	29.64S	175.99W	14	4.9b,4.9b		
GCMT	VII	16 15 56 39.8–.10	29.22S–.01	175.85W–.01	12	5.1W,4.9b		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.37 $M_{\theta\theta}$1.02 $M_{\phi\phi}$4.35 $M_{r\theta}$-1.52 $M_{\theta\phi}$1.73 $M_{\phi r}$7.20 NP1:ϕ_s37.14000°,δ21.64000° ,λ-51.42000°. NP2:ϕ_s176.50000°,δ73.24000°,λ-103.90000°. Principal axes: T 8.2756,Plg27.0000°,Azm277.0000°; N 1.3609,Plg13.0000°,Azm181.0000° ; P -9.6365,Plg59.0000°,Azm67.0000° $M_0$9.03000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Kermadec Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107161556A. Moment Tensor Solution. s71,c98; s143,c242; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.68±.08 $M_{\theta\theta}$0.62±.07; $M_{\phi\phi}$5.06±.06; $M_{r\theta}$-0.35±.28; $M_{\theta\phi}$0.95±.07; $M_{\phi r}$-1.69±.22; Best double couple: NP1:ϕ_s191.00000°,δ36.00000° ,λ-90.00000°. NP2:ϕ_s12.00000°,δ54.00000°,λ-90.00000°. Principal axes: T 5.5190,Plg9.0000°,Azm102.0000°; N 0.4290,Plg0.0000°,Azm192.0000° ; P -5.9460,Plg81.0000°,Azm282.0000° $M_0$5.73300×10^{16}

(260) East of Philippine Islands

ISC	**VII**	**16 23 29 18.8–.26**	**14.16N–.03**	**128.24E–.04**	**10**	**5.0b,3.8s**	**595**	**4-164**
IDC	VII	16 23 29 16.3–.39	14.14N	128.34E	0	4.8L,4.7b		**¶625560843**
GFZ	VII	16 23 29 19.8–.18	14N–2.0	128E–4.0	10	5.2b,5.0		
NEIC	VII	16 23 29 19.6–2.0	14.15N–.06	128.2E–.10	10–1	5.0,5.0b		
DJA	VII	16 23 29 20.9–.20	14N–2.0	128E–3.0	10	6.3,5.6b		
GCMT	VII	16 23 29 20.5–.20	14.20N–.01	128.19E–.01	24–1	5.0W,5.6b		
BJI	VII	16 23 29 21.7	14.24N	128.32E	43	5.0b,4.9b		
MAN	VII	16 23 29 23.8	14.10N	127.90E	66	5.6b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=7.9km az=80.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=9.7km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107162329A. Moment Tensor Solution. s59,c81; s114,c189; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.43±.12 $M_{\theta\theta}$1.31±.08; $M_{\phi\phi}$-1.74±.10; $M_{r\theta}$-0.83±.12; $M_{\theta\phi}$-3.17±.07; $M_{\phi r}$-0.64±.12; Best double couple: NP1:ϕ_s346.00000° ,δ76.00000°,λ-4.00000°. NP2:ϕ_s77.00000°,δ86.00000°,λ-166.00000°. Principal axes: T 3.3500,Plg7.0000°,Azm211.0000°; N 0.6060,Plg75.0000°,Azm91.0000° ; P -3.9550,Plg13.0000°,Azm303.0000° $M_0$3.65200×10^{16}
MAN Event type fe.

(83) South of Panama

ISC	**VII**	**17 20 56 09.4–.69**	**6.77N–.03**	**82.71W–.03**	**5–3**	**5.8b,5.7s**	**1726**	**1-172**
IDC	VII	17 20 56 08.7–.37	6.78N	82.54W	0	5.5s,5.4b		**¶625300213**
MOS	VII	17 20 56 09.6–1.1	6.88N	82.61W	10	6.1b,5.7s		
UCR	VII	17 20 56 10.0–.44	6.87N	82.67W	5–20	6.0W,5.7s		
NEIC	VII	17 20 56 10.1–1.7	6.83N–.05	82.68W–.07	4–2	6.1,6.0b		
ISC-P	VII	17 20 56 10	6.83N	82.68W	7–0	6.2,6.0b		
NEIC	VII	17 20 56 10.9	6.87N	82.65W	5	6.2,6.0b		
BJI	VII	17 20 56 10.6	6.80N	82.60W	13	6.2s,6.1b		
UPA	VII	17 20 56 10.8–1.2	6.85N	82.75W	10–24	6.3W,6.1b		
PTWC	VII	17 20 56 10	6.80N	82.80W	10	6.4,6.1b		
GFZ	VII	17 20 56 11.8	6.90N	82.63W	11	6.1W,6.1b		
IPGP	VII	17 20 56 11.0	6.88N	82.64W	11	6.2W,6.1b		
CATAC	VII	17 20 56 12.6–.47	7N–4.0	83W–2.0	10	6.7b,6.7b		
GFZ	VII	17 20 56 12.5–.15	7N–2.0	83W–2.0	10	6.1,6.0b		
NEIC	VII	17 20 56 13.3	6.88N	82.64W	20	6.1,6.0b		
GCMT	VII	17 20 56 15.1–.00	6.72N	82.70W	17–0	6.2W,6.0b		
NEIC	VII	17 20 56 18.8	6.58N	82.64W	12	6.1,6.0b		
BGR	VII	17 20 56 37.3	7.71N	82.61W	33–0	6.3,6.0b		

ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=8.4km az=59.0.
MOS Error ellipse: s-maj=6.4km s-min=4.1km az=94.9.
UCR Event type se. Error ellipse: s-maj=19.8km s-min=15.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.3km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.19 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$0.56 $M_{r\theta}$-0.50 $M_{\theta\phi}$1.39 $M_{\phi r}$-0.05 NP1:ϕ_s171.18000°,δ70.58000°,λ-175.74000°. NP2:ϕ_s79.76000° ,δ85.98000°,λ-19.47000°. Principal axes: T 1.6254,Plg11.0000°,Azm127.0000° ; N -0.1378,Plg70.0000°,Azm249.0000°; P -1.4875,Plg17.0000°,Azm34.0000° $M_0$1.56000×10^{18}
ISC-P Moment Tensor Solution. s28 Moment tensor: Scale 10^{18}Nm; M_{rr}0.21±.15 $M_{\theta\theta}$0.11±.24; $M_{\phi\phi}$-0.33±.13; $M_{r\theta}$-0.13±.12; $M_{\theta\phi}$-0.11±.15; $M_{\phi r}$0.63±.14; NP1:ϕ_s187.40000°,δ75.50000° ,λ163.50000°. NP2:ϕ_s281.70000°,δ74.00000°,λ15.10000°. $M_0$2.57000×10^{18}
NEIC Event type se.
UPA Event type se. Error ellipse: s-maj=15.8km s-min=10.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.19 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$0.11 $M_{r\theta}$0.25 $M_{\theta\phi}$1.57 $M_{\phi r}$0.23 NP1: ϕ_s355.34663°,δ79.39699°,λ170.93836°. NP2:ϕ_s87.02756°,δ81.09435°,λ10.73392°. Principal axes: T 1.5712,Plg13.8615°,Azm311.3373°; N 0.1116,Plg76.0861°,Azm126.2643° ; P -1.6827,Plg1.1829°,Azm221.0454° $M_0$1.62983×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s263.00000°,δ86.00000°,λ-10.00000°. NP2:ϕ_s354.00000° ,δ80.00000°,λ-176.00000°.
CATAC Event type se. Error ellipse: s-maj=8.8km s-min=4.1km az=9.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.03 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$0.17 $M_{r\theta}$0.82 $M_{\theta\phi}$1.39 $M_{\phi r}$-0.39 NP1:ϕ_s359.60057° ,δ62.94386°,λ-170.09506°. NP2:ϕ_s265.05929°,δ81.18822°,λ-27.40622°. Principal axes: T 1.4428,Plg12.3167°,Azm315.0783°; N 0.3870,Plg61.3168°,Azm68.5993° ; P -1.8298,Plg25.4649°,Azm219.1099° $M_0$1.67026×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$0.05 $M_{r\theta}$0.45 $M_{\theta\phi}$2.01 $M_{\phi r}$0.15 NP1: ϕ_s356.13898°,δ75.99305°,λ173.30744°. NP2:ϕ_s87.76581°,δ83.50730°,λ14.09923°. Principal axes: T 1.9517,Plg14.5429°,Azm312.6523°; N 0.2670,Plg74.5052°,Azm112.0032° ; P -2.2186,Plg5.2321°,Azm221.2911° $M_0$2.09792×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.22 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.06 $M_{r\theta}$0.83 $M_{\theta\phi}$1.33 $M_{\phi r}$-0.47 NP1: ϕ_s2.32075°,δ60.30772°,λ-174.67044°. NP2:ϕ_s269.67504°,δ85.37186°,λ-29.79921°. Principal axes: T 1.2974,Plg17.0499°,Azm319.7477°; N 0.5600,Plg59.8762°,Azm81.6552° ; P -1.8574,Plg24.0363°,Azm221.8863° $M_0$1.65029×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.31 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-0.05 $M_{r\theta}$0.37 $M_{\theta\phi}$2.26 $M_{\phi r}$0.82 NP1: ϕ_s356.78185°,δ79.58795°,λ159.59663°. NP2:ϕ_s90.62768°,δ69.94717°,λ11.09225°. Principal axes: T 2.4457,Plg21.7310°,Azm312.2979°; N 0.0038,Plg67.1948°,Azm150.8681° ; P -2.4494,Plg6.5843°,Azm44.9348° $M_0$2.44754×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.32 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-0.01 $M_{r\theta}$0.04 $M_{\theta\phi}$1.83 $M_{\phi r}$0.83 NP1: ϕ_s355.76111°,δ83.54829°,λ154.70417°. NP2:ϕ_s88.80095°,δ64.87554°,λ7.12924°. Principal axes: T 1.9440,Plg22.3140°,Azm309.4746°; N 0.1743,Plg63.9470°,Azm162.3870° ; P -2.1183,Plg12.7544°,Azm44.8052° $M_0$2.03674×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.28 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.99 $M_{\theta\phi}$1.41 $M_{\phi r}$-0.55 NP1: ϕ_s3.76242°,δ54.79272°,λ-178.28436°. NP2:ϕ_s272.77309°,δ88.59827°,λ-35.21938°. Principal axes: T 1.3966,Plg22.9778°,Azm323.9104°; N 0.6635,Plg54.7563°,Azm90.7884° ; P -2.0600,Plg25.1488°,Azm222.4281° $M_0$1.82131×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.11 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$0.24 $M_{r\theta}$1.74 $M_{\theta\phi}$0.35 NP1: ϕ_s354.35337°,δ82.26165°,λ169.09598°. NP2:ϕ_s85.83924°,δ79.19648°,λ7.87886°. Principal axes: T 1.7999,Plg13.1648°,Azm309.8395°; N 0.0253,Plg76.6563°,Azm139.4013° ; P -1.8251,Plg2.1393°,Azm40.3401° $M_0$1.81264×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.12 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$0.24 $M_{r\theta}$0.28 $M_{\theta\phi}$1.61 $M_{\phi r}$0.33 NP1: ϕ_s353.74070°,δ79.25405°,λ169.08613°. NP2:ϕ_s85.79973°,δ79.27980°,λ10.93916°. Principal axes: T 1.6935,Plg15.2704°,Azm309.7727°; N 0.0029,Plg74.7296°,Azm129.7023° ; P -1.6964,Plg0.0179°,Azm219.7679° $M_0$1.69495×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107172056A. Moment Tensor Solution. s160,c374; s174,c688;Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}0.04±.01 $M_{\theta\theta}$-0.48±.01; $M_{\phi\phi}$0.44±.01; $M_{r\theta}$0.38±.02; $M_{\theta\phi}$2.05±.01; $M_{\phi r}$0.24±.03; Best double couple: NP1:ϕ_s353.00000°,δ79.00000°,λ175.00000°. NP2:ϕ_s84.00000°,δ85.00000°,λ11.00000°. Principal axes: T 2.1670,Plg11.0000°,Azm309.0000°; N -0.0380,Plg78.0000°,Azm110.0000° ; P -2.1300,Plg4.0000°,Azm218.0000° $M_0$2.14900×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s1.0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.15 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$0.15 $M_{r\theta}$0.00 $M_{\theta\phi}$1.69 $M_{\phi r}$-0.68 NP1:ϕ_s266.78000°,δ67.98000° ,λ3.55000°. NP2:ϕ_s175.44000°,δ86.71000°,λ157.94000°. Principal axes: T 1.7957,Plg18.0000°,Azm129.0000°; N 0.0874,Plg68.0000°,Azm347.0000° ; P -1.8831,Plg13.0000°,Azm223.0000° $M_0$1.84000×10^{18}
BGR Event type ke.

(192) New Britain region

ISC	**VII**	**18 00 28 56.7–.35**	**7.18S–.05**	**149.44E–.06**	**10**	**4.9b,3.5s**	**233**	**3-154**
IDC	VII	18 00 28 55.0–.55	7.13S	149.45E	0	4.6L,4.5b		**¶620833217**
GFZ	VII	18 00 28 57.0–.32	7S–4.0	149E–5.0	10	5.0b,5.0		
DJA	VII	18 00 28 57.7–.40	7S–6.0	150E–6.0	10	6.0b,5.6		
NEIC	VII	18 00 28 57.2–1.2	7.17S–.04	149.48E–.06	11–4	4.9b,5.6		
BJI	VII	18 00 28 57.1	6.93S	149.18E	7	4.9b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=11.9km az=91.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.8km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(189) Southeast of Loyalty Islands

ISC	**VII**	**18 01 04 45.8–.28**	**23.08S–.04**	**172.42E–.04**	**10**	**5.4b,4.7s**	**459**	**5-152**
IDC	VII	18 01 04 43.3–.50	23.12S	172.43E	0	4.8b,4.8		**¶620833219**
MOS	VII	18 01 04 45.0–1.5	22.99S	172.29E	10	5.3b,4.6s		
NEIC	VII	18 01 04 46.6–1.8	23.14S–.09	172.4E–.10	10–1	5.5b,5.2		
GFZ	VII	18 01 04 47.9–.27	23S–3.0	172E–5.0	10	5.2,5.2b		
GCMT	VII	18 01 04 50.7–.10	23.03S–.01	172.25E–.01	14–0	5.3W,5.2b		
NOU	VII	18 01 04 52.0	22.96S	172.34E	55	5.1b,5.2b		

ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=12.5km az=164.0.
MOS Error ellipse: s-maj=9.1km s-min=8.3km az=157.6.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=15.4km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107180104A. Moment Tensor Solution. s103,c164; s136,c257;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.02 $M_{\theta\theta}$-0.86±.01; $M_{\phi\phi}$0.04±.01; $M_{r\theta}$0.50±.03; $M_{\theta\phi}$0.07±.01; $M_{\phi r}$0.16±.03; Best double couple: NP1:ϕ_s286.00000° ,δ31.00000°,λ111.00000°. NP2:ϕ_s83.00000°,δ61.00000°,λ78.00000°. Principal axes: T 0.9790,Plg71.0000°,Azm326.0000°; N 0.0190,Plg10.0000°,Azm89.0000° ; P -0.9980,Plg15.0000°,Azm181.0000° $M_0$0.98800×10^{17}
NOU Southeast of Loyalty Islands.

(273) Southwest of Sumatera

ISC	**VII**	**18 02 25 34.5–.41**	**6.55S–.06**	**103.89E–.05**	**50–3**	**4.7b,3.8s**	**224**	**1-146**
IDC	VII	18 02 25 28.3–.82	6.40S	103.88E	0	4.7L,4.5b		**¶620833221**
DJA	VII	18 02 25 30.8–.40	7S–4.0	104E–3.0	10	5.8b,5.4		
GFZ	VII	18 02 25 33.9–.28	6S–3.0	104E–2.0	51–2	5.2b,4.8b		
BJI	VII	18 02 25 34.0	6.40S	104.00E	50	4.9b,4.9b		
NEIC	VII	18 02 25 35.3–1.2	6.4S–.10	103.9E–.10	46–9	4.9b,4.9b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(353) Southern Iran

ISC	**VII**	**18 14 34 20.2–.44**	**29.66N–.03**	**51.16E–.02**	**19–1**	**5.5b,5.0s**	**1759**	**0-171**
MOS	VII	18 14 34 17.2–.93	29.63N	51.16E	11	5.7b,5.0s		**¶620833378**
TEH	VII	18 14 34 17.4	29.64N	51.07E	8	5.6L,5.0s		
GFZ	VII	18 14 34 19.7	29.70N	51.15E	10	5.3W,5.0s		
NEIC	VII	18 14 34 19.4	29.70N	51.13E	10	5.3W,5.0s		
NEIC	VII	18 14 34 19.3	29.70N	51.13E	9	5.3W,5.0s		
NEIC	VII	18 14 34 19.3–1.1	29.71N–.06	51.13E–.07	9–1	5.5b,5.3		
THR	VII	18 14 34 19.3–.00	29.73N	51.15E	10–402	5.7L,5.3		
GFZ	VII	18 14 34 20.5–.25	30N–3.0	51E–3.0	10	5.5b,5.4		
IDC	VII	18 14 34 20.0–1.3	29.68N	51.16E	18–7	5.0b,5.0		
OMAN	VII	18 14 34 21.2–.36	29.61N	51.24E	10	5.5,5.3L		
GCMT	VII	18 14 34 21.6–.10	29.58N–.01	51.09E–.01	17–0	5.5W,5.3L		
DSN	VII	18 14 34 23.0–1.3	29.48N	51.32E	10	5.9L,5.3L		
NEIC	VII	18 14 34 24.7	29.70N	51.13E	12	5.4,5.3L		
BGR	VII	18 14 34 43.5	30.42N	48.00E	33	5.8,5.6b		

ISC Event type ke.
MOS Error ellipse: s-maj=4.0km s-min=2.5km az=118.7.
TEH Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.21 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$-0.28 $M_{r\theta}$0.32 $M_{\theta\phi}$0.61 $M_{\phi r}$-0.27 NP1: ϕ_s123.97220°,δ54.18047°,λ93.71185°. NP2:ϕ_s297.64664°,δ35.98573°,λ84.87441°. Principal axes: T 1.2842,Plg80.3972°,Azm49.8994°; N 0.0815,Plg3.0091°,Azm301.7979° ; P -1.3657,Plg9.1107°,Azm211.3149° $M_0$1.32682×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.2km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.23 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$-0.29 $M_{r\theta}$-0.21 $M_{\theta\phi}$0.21 $M_{\phi r}$-0.21 NP1:ϕ_s276.39000°,δ49.41000°,λ76.98000°. NP2:ϕ_s115.95000°,δ42.28000° ,λ104.73000°. Principal axes: T 1.2805,Plg79.0000°,Azm126.0000°; N -0.2714,Plg10.0000° ,Azm285.0000°; P -1.0092,Plg4.0000°,Azm16.0000° $M_0$1.17000×10^{17}
THR Event type se. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=8.4km s-min=7.2km az=9.0.
OMAN Error ellipse: s-maj=6.7km s-min=3.9km az=81.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107181434A. Moment Tensor Solution. s130,c233; s138,c286;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.69±.02 $M_{\theta\theta}$-1.46±.02; $M_{\phi\phi}$-0.22±.02; $M_{r\theta}$0.79±.05; $M_{\theta\phi}$1.13±.02; $M_{\phi r}$-0.61±.05; Best double couple: NP1: ϕ_s295.00000°,δ31.00000°,λ82.00000°. NP2:ϕ_s125.00000°,δ59.00000°,λ95.00000°. Principal axes: T 1.9430,Plg76.0000°,Azm49.0000°; N 0.4350,Plg4.0000°,Azm302.0000° ; P -2.3750,Plg14.0000°,Azm211.0000° $M_0$2.15900×10^{17}

DSN Error ellipse: s-maj=22.6km s-min=6.9km az=21.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.34 $M_{\theta\theta}$-1.05 $M_{\phi\phi}$-0.29 $M_{r\theta}$-1.13 $M_{\theta\phi}$0.77 $M_{\phi r}$0.29 NP1:ϕ_s135.05000°,δ27.26000° ,λ112.44000°. NP2:ϕ_s290.13000°,δ64.95000°,λ78.87000°. Principal axes: T 1.7875,Plg68.0000°,Azm179.0000°; N 0.1275,Plg10.0000°,Azm295.0000° ; P -1.9150,Plg19.0000°,Azm28.0000° $M_0$1.85000×10^{17}
BGR Event type ke.

(207) Eastern New Guinea region

ISC	**VII**	**19 04 43 00.1–.34**	**6.30S–.04**	**147.81E–.05**	**51**	**4.7b,4.0s**	**176**	**3-153**
IDC	VII	19 04 42 52.3–.63	6.25S	147.85E	0	4.4b,4.4		**¶620833502**
BJI	VII	19 04 42 57.6	6.07S	147.97E	42	4.8b,4.8b		
NEIC	VII	19 04 42 59.7–2.1	6.27S–.05	147.64E–.08	43–6	4.6b,4.8b		
GCMT	VII	19 04 43 01.8–.30	6.50S–.02	147.78E–.03	31–0	4.9W,4.8b		
DJA	VII	19 04 43 05.4–.40	6S–4.0	148E–3.0	102–4	5.5b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107190443A. Moment Tensor Solution. s52,c68; s64,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.92±.15 $M_{\theta\theta}$-2.58±.09; $M_{\phi\phi}$-0.34±.10; $M_{r\theta}$0.84±.13; $M_{\theta\phi}$0.86±.07; $M_{\phi r}$-0.37±.17; Best double couple: NP1:ϕ_s287.00000°,δ36.00000° ,λ88.00000°. NP2:ϕ_s110.00000°,δ54.00000°,λ92.00000°. Principal axes: T 3.0650,Plg81.0000°,Azm28.0000°; N -0.0500,Plg1.0000°,Azm289.0000° ; P -3.0180,Plg9.0000°,Azm199.0000° $M_0$3.04100×10^{16}

(203) Bismarck Sea

ISC	**VII**	**19 15 22 32.1–.21**	**3.32S–.03**	**146.96E–.04**	**10**	**5.8s,5.5b**	**1108**	**1-164**
BJI	VII	19 15 22 29.6	3.24S	147.53E	20	5.8s,5.8b		**¶620833951**
MOS	VII	19 15 22 30.3–.90	3.28S	146.96E	10	5.6s,5.5b		
IDC	VII	19 15 22 30.2–.41	3.30S	146.88E	0	5.5s,4.9		
GFZ	VII	19 15 22 32.9	3.42S	146.93E	12	5.9W,4.9		
NEIC	VII	19 15 22 32.4	3.26S	146.99E	10	5.9W,4.9		
ISC-P	VII	19 15 22 32	3.25S	146.94E	35–0	6.0,4.9		
NEIC	VII	19 15 22 32.1–1.2	3.25S–.06	146.94E–.07	8–3	5.8,5.8		
GFZ	VII	19 15 22 32.0–.12	3S–2.0	147E–2.0	10	5.6,5.5b		
IPGP	VII	19 15 22 32.0	3.27S	146.99E	12	5.9W,5.5b		
NEIC	VII	19 15 22 32.4	3.27S	146.95E	9	5.9W,5.5b		
DJA	VII	19 15 22 33.0–.80	3S–2.0	147E–2.0	17–5	6.1b,5.8		
PTWC	VII	19 15 22 35	3.40S	147.00E	38	6.0,5.8		
GCMT	VII	19 15 22 36.3–.10	3.28S	146.99E	12	5.9W,5.8		
NEIC	VII	19 15 22 42	2.96S	147.29E	14	5.9,5.8		

ISC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=4.5km az=111.4.
IDC Error ellipse: s-maj=14.6km s-min=10.5km az=68.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67 $M_{\theta\theta}$3.07 $M_{\phi\phi}$-2.41 $M_{r\theta}$0.48 $M_{\theta\phi}$7.77 $M_{\phi r}$1.12 NP1: ϕ_s99.82009°,δ81.93000°,λ0.94293°. NP2:ϕ_s9.68771°,δ89.06641°,λ171.92892°. Principal axes: T 8.6833,Plg6.3607°,Azm324.4719°; N -0.7254,Plg81.8755°,Azm183.1332° ; P -7.9579,Plg5.0339°,Azm55.0345° $M_0$8.34430×10^{17}
NEIC Event type se.
ISC-P Moment Tensor Solution. s41 Moment tensor: Scale 10^{18}Nm; M_{rr}0.51±.15 $M_{\theta\theta}$0.12±.16; $M_{\phi\phi}$-0.63±.14; $M_{r\theta}$-0.22±.16; $M_{\theta\phi}$0.15±.24; $M_{\phi r}$0.30±.13; NP1:ϕ_s183.10000°,δ40.00000° ,λ125.00000°. NP2:ϕ_s320.70000°,δ58.20000°,λ64.30000°. $M_0$1.29000×10^{18}
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.6km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.97 $M_{\theta\theta}$1.21 $M_{\phi\phi}$-2.18 $M_{r\theta}$0.85 $M_{\theta\phi}$4.87 $M_{\phi r}$-2.02 NP1:ϕ_s9.99000°,δ84.29000°,λ-162.33000°. NP2:ϕ_s278.18000°,δ72.42000° ,λ-5.99000°. Principal axes: T 4.7394,Plg8.0000°,Azm143.0000°; N 1.5389,Plg71.0000° ,Azm27.0000°; P -6.2783,Plg16.0000°,Azm235.0000° $M_0$5.67000×10^{17}
GFZ Error ellipse: s-maj=4.5km s-min=4.1km az=25.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s277.00000°,δ75.00000°,λ-4.00000°. NP2:ϕ_s8.00000° ,δ86.00000°,λ-165.00000°.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107191522A. Moment Tensor Solution. s158,c338; s174,c594;Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54±.04 $M_{\theta\theta}$2.43±.04; $M_{\phi\phi}$-1.90±.05; $M_{r\theta}$0.09±.11; $M_{\theta\phi}$8.45±.04; $M_{\phi r}$-1.28±.12; Best double couple: NP1:ϕ_s277.00000°,δ82.00000°,λ-2.00000°. NP2:ϕ_s7.00000°,δ88.00000°,λ-172.00000°. Principal axes: T 9.0410,Plg4.0000°,Azm142.0000°; N -0.4510,Plg81.0000°,Azm23.0000° ; P -8.6000,Plg8.0000°,Azm232.0000° $M_0$8.82100×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.92 $M_{\theta\theta}$3.11 $M_{\phi\phi}$-2.19 $M_{r\theta}$2.10 $M_{\theta\phi}$7.79 $M_{\phi r}$-3.10 NP1:ϕ_s276.85000°,δ72.99000° ,λ-16.87000°. NP2:ϕ_s11.92000°,δ73.88000°,λ-162.27000°. Principal axes: T 8.6888,Plg1.0000°,Azm144.0000°; N 0.7315,Plg66.0000°,Azm53.0000° ; P -9.4204,Plg24.0000°,Azm235.0000° $M_0$9.08000×10^{17}

(203) Bismarck Sea

ISC	**VII**	**19 19 42 35.7–.34**	**3.34S–.04**	**146.71E–.05**	**20**	**4.8b,4.7s**	**286**	**1-123**
BJI	VII	19 19 42 28.1	3.77S	147.20E	10	5.2b,5.0s		**¶620834053**
IDC	VII	19 19 42 32.0–.68	3.29S	146.64E	0	4.6s,4.3b		
DJA	VII	19 19 42 34.5–1.9	3S–6.0	147E–3.0	10–16	5.5b,5.2		
NEIC	VII	19 19 42 34.1–2.4	3.17S–.06	146.68E–.07	10–1	5.0b,5.2		
GFZ	VII	19 19 42 36.9–.27	3S–4.0	147E–5.0	10	4.8,4.7b		
GCMT	VII	19 19 42 38.7–.10	3.33S–.01	146.52E–.01	13–0	5.2W,4.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107191942A. Moment Tensor Solution. s114,c171; s154,c288;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.47±.11 $M_{\theta\theta}$-3.01±.11; $M_{\phi\phi}$1.54±.12; $M_{r\theta}$-0.66±.24; $M_{\theta\phi}$9.10±.11; $M_{\phi r}$-0.29±.24; Best double couple: NP1: ϕ_s173.00000°,δ85.00000°,λ178.00000°. NP2:ϕ_s263.00000°,δ88.00000°,λ5.00000°. Principal axes: T 8.7000,Plg5.0000°,Azm128.0000°; N 1.4250,Plg85.0000°,Azm289.0000° ; P -10.1250,Plg2.0000°,Azm38.0000° $M_0$9.41300×10^{16}

(203) Bismarck Sea

ISC	**VII**	**19 20 00 41.4–.51**	**3.50S–.06**	**146.66E–.07**	**20**	**4.5b,4.2s**	**121**	**2-94**
IDC	VII	19 20 00 37.0–.85	3.45S	146.63E	0	4.2s,4.0b		**¶620928892**
NEIC	VII	19 20 00 39.0–1.6	3.43S–.06	146.67E–.05	10–1	4.6b,4.0b		
GCMT	VII	19 20 00 43.1–.20	3.33S–.01	146.48E–.01	12	5.0W,4.0b		
DJA	VII	19 20 00 44.2–3.0	4S–10	147E–10	13–19	5.7b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107192000A. Moment Tensor Solution. s26,c31; s123,c204; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.55±.09 $M_{\theta\theta}$-1.45±.07; $M_{\phi\phi}$0.90±.08; $M_{r\theta}$-0.41±.23; $M_{\theta\phi}$3.18±.05; $M_{\phi r}$-0.17±.21; Best double couple: NP1:ϕ_s170.00000°,δ82.00000° ,λ177.00000°. NP2:ϕ_s260.00000°,δ87.00000°,λ8.00000°. Principal axes: T 3.1720,Plg8.0000°,Azm125.0000°; N 0.5060,Plg81.0000°,Azm283.0000° ; P -3.6760,Plg3.0000°,Azm35.0000° $M_0$3.42400×10^{16}

(203) Bismarck Sea

ISC	**VII**	**19 20 30 41.7–.23**	**3.38S–.03**	**146.65E–.04**	**10**	**5.7s,5.3b**	**709**	**2-158**
BJI	VII	19 20 30 36.2	3.63S	147.10E	10	5.7s,5.6b		**¶620834056**
IDC	VII	19 20 30 39.5–.52	3.36S	146.53E	0	5.5s,4.6b		
MOS	VII	19 20 30 40.4–1.1	3.31S	146.35E	11	5.3s,5.2b		
GFZ	VII	19 20 30 41.7	3.27S	146.42E	12	5.8W,5.2b		
GFZ	VII	19 20 30 41.7–.16	3S–3.0	146E–2.0	10	5.4,5.2b		
ISC-P	VII	19 20 30 41	3.27S	146.61E	40–0	6.2,5.2b		
NEIC	VII	19 20 30 41.2–2.1	3.27S–.07	146.61E–.07	10–1	5.8,5.8		
NEIC	VII	19 20 30 41.2	3.27S	146.62E	10	5.8,5.8		
DJA	VII	19 20 30 46.5–.50	3S–3.0	147E–2.0	34–5	5.8b,5.7		
GCMT	VII	19 20 30 48.5–.10	3.32S	146.57E	13–0	5.9W,5.7		

ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=11.0km az=91.0.
MOS Error ellipse: s-maj=9.6km s-min=5.2km az=105.7.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.31 $M_{\theta\theta}$-2.67 $M_{\phi\phi}$3.98 $M_{r\theta}$0.65 $M_{\theta\phi}$5.50 $M_{\phi r}$2.38 NP1: ϕ_s344.23113°,δ85.46985°,λ163.41112°. NP2:ϕ_s75.57902°,δ73.46444°,λ4.72602°. Principal axes: T 7.7195,Plg14.8980°,Azm298.7584°; N -1.8533,Plg72.8205°,Azm149.3818° ; P -5.8663,Plg8.3604°,Azm30.9991° $M_0$6.97992×10^{17}
GFZ Error ellipse: s-maj=5.9km s-min=5.1km az=4.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC-P Moment Tensor Solution. s40 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04±.14 $M_{\theta\theta}$-0.81±.28; $M_{\phi\phi}$0.30±.19; $M_{r\theta}$0.15±.25; $M_{\theta\phi}$0.28±.13; $M_{\phi r}$0.16±.17; NP1:ϕ_s56.80000°,δ75.90000° ,λ28.30000°. NP2:ϕ_s319.30000°,δ62.60000°,λ164.10000°. $M_0$2.16000×10^{18}
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=10.3km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.10 $M_{\theta\theta}$-3.88 $M_{\phi\phi}$3.78 $M_{r\theta}$0.77 $M_{\theta\phi}$5.66 $M_{\phi r}$-0.17 NP1:ϕ_s252.79000°,δ86.98000°,λ-5.63000°. NP2:ϕ_s343.09000°,δ84.37000° ,λ-176.96000°. Principal axes: T 6.7899,Plg2.0000°,Azm298.0000°; N 0.1756,Plg84.0000° ,Azm45.0000°; P -6.9655,Plg6.0000°,Azm208.0000° $M_0$6.88000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107192030A. Moment Tensor Solution. s161,c336; s173,c626;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.04 $M_{\theta\theta}$-4.50±.04; $M_{\phi\phi}$3.47±.05; $M_{r\theta}$-0.01±.10; $M_{\theta\phi}$7.43±.05; $M_{\phi r}$-0.10±.11; Best double couple: NP1:ϕ_s256.00000°,δ89.00000°,λ0.00000°. NP2:ϕ_s166.00000°,δ90.00000°,λ179.00000°. Principal axes: T 7.9180,Plg1.0000°,Azm121.0000°; N 1.0390,Plg89.0000°,Azm319.0000° ; P -8.9460,Plg0.0000°,Azm211.0000° $M_0$8.43200×10^{17}

(203) Bismarck Sea

ISC	**VII**	**19 20 57 04.4–.49**	**3.43S–.06**	**146.75E–.06**	**10**	**4.6b,4.3s**	**174**	**2-97**
IDC	VII	19 20 57 02.8–.77	3.40S	146.61E	0	4.4s,4.3b		**¶620928899**
DJA	VII	19 20 57 03.5–.30	4S–3.0	147E–3.0	10	6.0b,5.6		
NEIC	VII	19 20 57 05.2–2.3	3.47S–.06	146.68E–.09	10–1	4.7b,5.6		
GCMT	VII	19 20 57 08.6–.30	3.34S–.01	146.50E–.02	12	4.9W,5.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107192057A. Moment Tensor Solution. s8,c9; s94,c133; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.77±.12 $M_{\theta\theta}$-0.59±.12; $M_{\phi\phi}$-0.18±.12; $M_{r\theta}$0.15±.38; $M_{\theta\phi}$3.06±.07; $M_{\phi r}$-0.59±.30; Best double couple: NP1:ϕ_s268.00000°,δ78.00000° ,λ2.00000°. NP2:ϕ_s178.00000°,δ88.00000°,λ168.00000°. Principal axes: T 2.7360,Plg10.0000°,Azm132.0000°; N 0.7780,Plg78.0000°,Azm348.0000° ; P -3.5160,Plg7.0000°,Azm224.0000° $M_0$3.12600×10^{16}

(192) New Britain region

ISC	**VII**	**19 23 02 08.5–.25**	**5.09S–.03**	**152.27E–.03**	**40–1**	**5.6b,5.0s**	**1222**	**1-157**
BJI	VII	19 23 02 04.2	5.13S	152.52E	33	5.4b,5.3s		**¶621112251**
MOS	VII	19 23 02 05.2–.81	4.98S	152.16E	23	5.5b,5.3s		
GFZ	VII	19 23 02 05.8	5.04S	152.14E	42	5.5W,5.3s		
IDC	VII	19 23 02 08.0–1.1	5.07S	152.34E	34–7	5.1,4.9b		
NEIC	VII	19 23 02 08.8	5.04S	152.14E	30	5.1,4.9b		
NEIC	VII	19 23 02 08.5–1.1	5.03S–.07	152.19E–.09	30–3	5.7b,5.5		
GFZ	VII	19 23 02 08.9–.33	5S–3.0	152E–2.0	38–2	5.4b,5.4		
DJA	VII	19 23 02 09.7–.30	5S–3.0	152E–3.0	52–2	5.8b,5.7		
PTWC	VII	19 23 02 10	5.00S	152.20E	60	5.7,5.7		
GCMT	VII	19 23 02 12.3–.10	5.25S–.01	152.24E–.01	46–0	5.6W,5.7		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.77 $M_{\theta\theta}$-1.70 $M_{\phi\phi}$-0.06 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.55 $M_{\phi r}$-0.41 NP1: ϕ_s89.29353°,δ54.38592°,λ110.20507°. NP2:ϕ_s237.00059°,δ40.27679°,λ64.25789°. Principal axes: T 1.9940,Plg72.0336°,Azm51.6425°; N -0.0622,Plg16.3068°,Azm257.1974° ; P -1.9318,Plg7.3372°,Azm165.0385° $M_0$1.96365×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.19 $M_{\theta\theta}$-2.10 $M_{\phi\phi}$-0.09 $M_{r\theta}$0.85 $M_{\theta\phi}$-0.94 $M_{\phi r}$-0.11 NP1:ϕ_s237.14000°,δ37.19000°,λ72.12000°. NP2:ϕ_s79.19000°,δ54.89000° ,λ103.12000°. Principal axes: T 2.3896,Plg76.0000°,Azm31.0000°; N 0.2007,Plg11.0000° ,Azm252.0000°; P -2.5903,Plg9.0000°,Azm160.0000° $M_0$2.50000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC NEW BRITAIN REGION, PAPUA NEW GUINEA.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107192302A. Moment Tensor Solution. s152,c292; s154,c293;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.89±.03 $M_{\theta\theta}$-2.88±.02; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$1.12±.03; $M_{\theta\phi}$-0.85±.02; $M_{\phi r}$-0.22±.02; Best double couple: NP1: ϕ_s245.00000°,δ36.00000°,λ74.00000°. NP2:ϕ_s84.00000°,δ55.00000°,λ101.00000°. Principal axes: T 3.1450,Plg77.0000°,Azm31.0000°; N 0.1440,Plg9.0000°,Azm258.0000° ; P -3.2860,Plg10.0000°,Azm166.0000° $M_0$3.21500×10^{17}

(203) Bismarck Sea

ISC	**VII**	**21 01 21 14.3–.51**	**3.32S–.05**	**147.00E–.06**	**25**	**4.5b,3.9s**	**82**	**1-119**
DJA	VII	21 01 21 11.6–.40	3S–4.0	147E–4.0	10	5.9b,5.5		**¶620961619**
IDC	VII	21 01 21 11.2–.98	3.41S	146.82E	0	4.0b,4.0		
NEIC	VII	21 01 21 13.2–1.5	3.19S–.06	146.9E–.10	10–1	4.7b,4.0		
GCMT	VII	21 01 21 15.3–.30	3.31S–.02	146.87E–.02	22–1	4.8W,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107210121A. Moment Tensor Solution. s13,c14; s75,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.15±.13 $M_{\theta\theta}$-0.39±.12; $M_{\phi\phi}$0.24±.11; $M_{r\theta}$-0.64±.19; $M_{\theta\phi}$1.95±.08; $M_{\phi r}$-0.28±.15; Best double couple: NP1:ϕ_s174.00000°,δ72.00000° ,λ173.00000°. NP2:ϕ_s267.00000°,δ83.00000°,λ19.00000°. Principal axes: T 2.1030,Plg18.0000°,Azm132.0000°; N -0.0090,Plg70.0000°,Azm286.0000° ; P -2.0940,Plg8.0000°,Azm39.0000° $M_0$2.09800×10^{16}

(209) Western Caroline Islands

ISC	**VII**	**21 13 31 58.0–.32**	**9.52N–.04**	**138.44E–.06**	**35**	**4.7b,3.7s**	**204**	**4-153**
IDC	VII	21 13 31 53.4–.49	9.50N	138.39E	0	4.5L,4.4b		**¶620842807**
NEIC	VII	21 13 31 54.6–1.0	9.47N–.07	138.31E–.08	10–1	4.8b,4.4b		
DJA	VII	21 13 31 56.1–1.6	10N–8.0	138E–5.0	31–10	5.6b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(203) Bismarck Sea

ISC	**VII**	**21 14 26 01.4–.19**	**3.39S–.03**	**146.79E–.03**	**10**	**5.9s,5.5b**	**1029**	**1-161**
BJI	VII	21 14 25 54.5	3.82S	147.27E	10	5.9s,5.8b		**¶620842803**
NEIC	VII	21 14 25 59.9	3.23S	146.80E	6	5.9s,5.8b		
IDC	VII	21 14 25 59.5–.41	3.34S	146.59E	0	5.7s,5.0b		
MOS	VII	21 14 25 59.5–1.3	3.42S	146.64E	10	5.9s,5.7b		
NEIC	VII	21 14 26 00.3–1.5	3.23S–.04	146.80E–.07	8–1	6.0,6.0		
ISC-P	VII	21 14 26 00	3.23S	146.80E	24–0	6.0,6.0		
GFZ	VII	21 14 26 01.5	3.41S	146.70E	15	6.1W,6.0		
IPGP	VII	21 14 26 01.0	3.40S	146.83E	12	6.1W,6.0		
DJA	VII	21 14 26 03.1–.20	4S–3.0	147E–2.0	10	6.1b,5.8		
GFZ	VII	21 14 26 03.7–.17	3S–3.0	147E–3.0	10	5.6b,5.6		
PTWC	VII	21 14 26 03	3.50S	146.60E	10	6.1,5.6		
GCMT	VII	21 14 26 07.5–.00	3.30S	146.82E	12	6.1W,5.6		

ISC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=11.9km s-min=8.5km az=101.0.
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=110.6.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.5km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$0.26 $M_{r\theta}$0.23 $M_{\theta\phi}$1.14 $M_{\phi r}$-0.23 NP1:ϕ_s355.03000°,δ80.59000°,λ-167.96000°. NP2:ϕ_s263.03000°,δ78.12000° ,λ-9.62000°. Principal axes: T 1.1868,Plg2.0000°,Azm129.0000°; N 0.0486,Plg75.0000° ,Azm33.0000°; P -1.2354,Plg15.0000°,Azm219.0000° $M_0$1.21000×10^{18}
ISC-P Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}0.13±.17 $M_{\theta\theta}$-0.69±.27; $M_{\phi\phi}$0.24±.22; $M_{r\theta}$0.22±.22; $M_{\theta\phi}$0.19±.13; $M_{\phi r}$0.37±.17; NP1:ϕ_s69.50000°,δ74.40000° ,λ30.90000°. NP2:ϕ_s330.40000°,δ60.30000°,λ162.00000°. $M_0$1.33000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.48 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$0.53 $M_{r\theta}$0.18 $M_{\theta\phi}$1.47 $M_{\phi r}$0.46 NP1: ϕ_s175.22336°,δ89.67002°,λ-163.23908°. NP2:ϕ_s85.12398°,δ73.23937°,λ-0.34462°. Principal axes: T 1.8345,Plg11.5275°,Azm308.9331°; N -0.5440,Plg73.2359°,Azm176.3189° ; P -1.2905,Plg12.0042°,Azm41.4186° $M_0$1.63201×10^{18}

IPGP Moment Tensor Solution. NP1:ϕ_s263.00000°,δ72.00000°,λ-3.00000°. NP2:ϕ_s354.00000°,δ87.00000°,λ-162.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107211426A. Moment Tensor Solution. s160,c362; s175,c693;Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}0.03±.01 $M_{\theta\theta}$-0.53±.01; $M_{\phi\phi}$0.49±.01; $M_{r\theta}$0.04±.02; $M_{\theta\phi}$1.74±.01; $M_{\phi r}$-0.27±.02; Best double couple: NP1:ϕ_s262.00000°,δ81.00000°,λ0.00000°. NP2:ϕ_s172.00000°,δ90.00000°,λ171.00000°. Principal axes: T 1.8190,Plg6.0000°,Azm126.0000°; N 0.0320,Plg81.0000°,Azm350.0000° ; P -1.8510,Plg6.0000°,Azm217.0000° $M_0$1.83500×10^{18}

(268) Sulawesi

ISC	**VII**	**21 17 44 00.9–.44**	**2.92S–.02**	**119.44E–.03**	**5–2**	**5.1b,4.4s**	**682**	**0-160**
NEIC	VII	21 17 44 01.7–1.7	2.92S–.03	119.39E–.05	13–3	5.4b,5.2		**¶620842811**
GFZ	VII	21 17 44 03.2–.15	3S–2.0	119E–3.0	10	5.3,5.3b		
GFZ	VII	21 17 44 03.0	2.96S	119.43E	10	5.1W,5.3b		
DJA	VII	21 17 44 03.5–.10	3S–1.0	119E–1.0	10	5.6b,5.4		
IDC	VII	21 17 44 04.9–1.8	2.88S	119.42E	33–13	4.6,4.4b		
GCMT	VII	21 17 44 04.9–.10	2.86S–.01	119.43E–.01	12	5.2W,4.4b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.05 $M_{\theta\theta}$5.17 $M_{\phi\phi}$-0.12 $M_{r\theta}$1.19 $M_{\theta\phi}$3.25 $M_{\phi r}$-0.27 NP1: ϕ_s52.50024°,δ41.60825°,λ-107.72406°. NP2:ϕ_s255.64440°,δ50.76410°,λ-74.87084°. Principal axes: T 6.7965,Plg4.6719°,Azm334.9735°; N -1.5106,Plg11.6629°,Azm65.9401° ; P -5.2859,Plg77.4116°,Azm223.5075° $M_0$6.18124×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107211744A. Moment Tensor Solution. s85,c125; s125,c240;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.66±.13 $M_{\theta\theta}$5.60±.09; $M_{\phi\phi}$0.05±.14; $M_{r\theta}$2.46±.31; $M_{\theta\phi}$4.37±.09; $M_{\phi r}$3.04±.39; Best double couple: NP1:ϕ_s81.00000°,δ34.00000°,λ-60.00000°. NP2:ϕ_s226.00000°,δ61.00000°,λ-109.00000°. Principal axes: T 8.9150,Plg14.0000°,Azm329.0000°; N -1.9140,Plg16.0000°,Azm235.0000° ; P -7.0030,Plg68.0000°,Azm98.0000° $M_0$7.95900×10^{16}

(268) Sulawesi

ISC	**VII**	**21 21 08 10.1–.94**	**2.88S–.03**	**119.37E–.03**	**6–7**	**3.7b**	**76**	**0-64**
IDC	VII	21 21 08 09.0–.96	2.86S	119.64E	0	3.5,3.4b		**¶620961682**
DJA	VII	21 21 08 11.5–.10	3S–1.0	119E–1.0	10	6.1b,5.8		

ISC Event type se.

(83) South of Panama

ISC	**VII**	**21 21 15 12.7–.46**	**7.19N–.02**	**82.73W–.02**	**9–2**	**6.6s,5.9b**	**1541**	**1-172**
UCR	VII	21 21 15 06.5–.29	6.93N	82.76W	5–9	6.7W,5.9b		**¶620844210**
UPA	VII	21 21 15 09.2–1.4	6.96N	82.73W	10–32	6.0W,5.9b		
IDC	VII	21 21 15 12.0–.43	7.51N	82.48W	0	6.3s,4.7b		
NEIC	VII	21 21 15 12.3–1.2	7.39N–.06	82.78W–.08	10–1	6.7,6.5		
NEIC	VII	21 21 15 12.9	7.42N	82.79W	10	6.7,6.5		
ISC-P	VII	21 21 15 12	7.39N	82.78W	26–0	6.6,6.5		
CATAC	VII	21 21 15 13.4–.09	7.3N–.80	82.7W–.70	10	6.8,6.7b		
NEIC	VII	21 21 15 13.6	7.48N	82.84W	10	6.8,6.7b		
MOS	VII	21 21 15 13.0–2.9	7.37N	83.21W	10	6.6s,6.2b		
IPGP	VII	21 21 15 15.0	7.59N	82.88W	24	6.8W,6.2b		
BJI	VII	21 21 15 15.3	7.40N	82.70W	10	7.2s,7.0		
PTWC	VII	21 21 15 15	7.40N	82.50W		7.1,7.0		
GFZ	VII	21 21 15 15.4	7.35N	82.82W	20	6.7W,7.0		
GFZ	VII	21 21 15 17.3–.09	7N–1.0	83W–2.0	10	6.5b,6.3		
GCMT	VII	21 21 15 25.7–.00	7.39N	82.83W	18–0	6.7W,6.3		
NEIC	VII	21 21 15 33.9	7.38N	82.64W	24	6.7,6.3		
SNET	VII	21 21 16 57.7–2.4	13N–13	88W–14	10	5.2,4.9		

ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-0.07 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$0.34 $M_{r\theta}$-0.11 $M_{\theta\phi}$1.17 $M_{\phi r}$-0.07 NP1:ϕ_s262.78000°,δ87.85000°,λ5.55000°. NP2:ϕ_s172.57000°,δ84.46000°,λ177.84000°. Principal axes: T 1.2571,Plg5.0000°,Azm128.0000°; N -0.0812,Plg84.0000° ,Azm284.0000°; P -1.1760,Plg2.0000°,Azm38.0000° $M_0$1.22000×10^{19}
NEIC Event type se.
ISC-P Moment Tensor Solution. s27 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.17±.11 $M_{\theta\theta}$0.10±.19; $M_{\phi\phi}$0.07±.12; $M_{r\theta}$-0.13±.14; $M_{\theta\phi}$0.06±.14; $M_{\phi r}$0.68±.11; NP1:ϕ_s89.50000°,δ80.90000°,λ346.20000°. NP2:ϕ_s181.70000°,δ76.40000°,λ-170.70000°. $M_0$1.14000×10^{19}
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-0.17 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$0.39 $M_{r\theta}$-0.50 $M_{\theta\phi}$1.07 $M_{\phi r}$-0.01 NP1:ϕ_s173.27226°,δ64.94461°,λ-173.03857°. NP2:ϕ_s80.31218°,δ83.69644°,λ-25.21843°. Principal axes: T 1.2651,Plg12.8158°,Azm129.3124°; N -0.0817,Plg64.0558°,Azm247.1890° ; P -1.1834,Plg22.1537°,Azm33.9980° $M_0$1.22628×10^{19} Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$0.33 $M_{r\theta}$-0.05 $M_{\theta\phi}$1.01 $M_{\phi r}$-0.10 NP1: ϕ_s172.14287°,δ87.33826°,λ175.55193°. NP2:ϕ_s262.34986°,δ85.55673°,λ2.66977°. Principal axes: T 1.1115,Plg5.0266°,Azm127.1909°; N -0.1131,Plg84.8177°,Azm321.3063° ; P -0.9984,Plg1.2574°,Azm217.3015° $M_0$1.05948×10^{19} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.09 $M_{\theta\theta}$-1.52 $M_{\phi\phi}$2.62 $M_{r\theta}$-3.77 $M_{\theta\phi}$7.20 $M_{\phi r}$2.98 NP1: ϕ_s175.82559°,δ70.38160°,λ-157.75527°. NP2:ϕ_s78.00638°,δ69.10921°,λ-21.06206°. Principal axes: T 8.0411,Plg0.8441°,Azm306.7112°; N 1.6024,Plg60.6738°,Azm215.2084° ; P -9.6434,Plg29.3116°,Azm37.1852° $M_0$8.95050×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$0.33 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.98 $M_{\phi r}$0.12 NP1: ϕ_s172.08699°,δ89.52931°,λ-173.04512°. NP2:ϕ_s82.02958°,δ83.04535°,λ-0.47418°. Principal axes: T 1.0701,Plg4.5777°,Azm306.8479°; N -0.0965,Plg83.0293°,Azm175.9397° ; P -0.9736,Plg5.2458°,Azm37.2691° $M_0$1.02529×10^{19} Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$0.33 $M_{r\theta}$-1.39 $M_{\theta\phi}$0.78 $M_{\phi r}$-0.50 NP1: ϕ_s166.81119°,δ29.11203°,λ-177.05332°. NP2:ϕ_s74.23622°,δ88.56687°,λ-60.92018°. Principal axes: T 1.7910,Plg36.8766°,Azm138.7922°; N -0.1983,Plg29.0698°,Azm253.4393° ; P -1.5927,Plg39.4543°,Azm10.6658° $M_0$1.70053×10^{19}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s82.00000°,δ88.00000°,λ-13.00000°. NP2:ϕ_s173.00000°,δ77.00000°,λ-178.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-0.01 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$0.35 $M_{r\theta}$0.10 $M_{\theta\phi}$1.34 $M_{\phi r}$0.22 NP1: ϕ_s352.45800°,δ85.00718°,λ171.70796°. NP2:ϕ_s83.18470°,δ81.73964°,λ5.04529°. Principal axes: T 1.4295,Plg9.3887°,Azm307.6291°; N -0.0439,Plg80.3299°,Azm141.6142° ; P -1.3856,Plg2.2954°,Azm38.0088° $M_0$1.40809×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107212115A. Moment Tensor Solution. s169,c435; s171,c831;Duration: 5s6 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.02±.00 $M_{\theta\theta}$-0.40±.00; $M_{\phi\phi}$0.42±.01; $M_{r\theta}$-0.03±.01; $M_{\theta\phi}$1.42±.00; $M_{\phi r}$-0.02±.01; Best double couple: NP1:ϕ_s172.00000°,δ89.00000°,λ179.00000°. NP2:ϕ_s262.00000°,δ89.00000°,λ1.00000°. Principal axes: T 1.4900,Plg1.0000°,Azm127.0000°; N -0.0240,Plg89.0000°,Azm291.0000° ; P -1.4660,Plg0.0000°,Azm37.0000° $M_0$1.47800×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 12s6 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$0.51 $M_{r\theta}$-0.29 $M_{\theta\phi}$1.46 $M_{\phi r}$0.11 NP1:ϕ_s171.90000°,δ79.61000°,λ-173.53000°. NP2:ϕ_s80.72000°,δ83.64000°,λ-10.45000°. Principal axes: T 1.5868,Plg3.0000°,Azm127.0000°; N -0.0431,Plg78.0000°,Azm230.0000° ; P -1.5437,Plg12.0000°,Azm36.0000° $M_0$1.57000×10^{19}
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

(83) South of Panama

ISC	**VII**	**21 22 25 59.9–.34**	**7.37N–.04**	**82.73W–.03**	**21–3**	**4.8b**	**582**	**1-154**
IDC	VII	21 22 25 57.7–.54	7.51N	82.49W	0	4.4b,4.4		**¶620844216**
NEIC	VII	21 22 25 58.9–1.2	7.40N–.05	82.78W–.06	10–1	4.9b,4.4		
CATAC	VII	21 22 25 59.9–.25	7N–2.0	83W–1.0	10	6.6b,6.4		
UPA	VII	21 22 25 59.4–2.2	7.32N	82.82W	21–26	4.9W,6.4		
UCR	VII	21 22 25 59.6–1.4	7.44N	82.78W	4–18	4.9W,6.4		
GFZ	VII	21 22 26 00.1–.22	7N–2.0	83W–4.0	10	5.0b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.42 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-1.06 $M_{r\theta}$-0.64 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.03 NP1:ϕ_s327.16372°,δ60.08040°,λ28.31399°. NP2:ϕ_s222.12227°,δ65.72661°,λ146.82788°. Principal axes: T 1.1846,Plg40.0442°,Azm182.7583°; N -0.1117,Plg49.7323°,Azm9.9573° ; P -1.0729,Plg3.5551°,Azm275.7513° $M_0$1.13292×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.31 $M_{\theta\theta}$0.67 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.90 $M_{\theta\phi}$-0.02 $M_{\phi r}$-0.03 NP1: ϕ_s323.56236°,δ61.14668°,λ28.34062°. NP2:ϕ_s218.97322°,δ65.43152°,λ147.95349°. Principal axes: T 1.4057,Plg39.4370°,Azm179.8729°; N -0.4211,Plg50.4328°,Azm5.3816° ; P -0.9846,Plg2.7069°,Azm272.1015° $M_0$1.24951×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.42 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-1.06 $M_{r\theta}$-0.64 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.03 NP1: ϕ_s327.16962°,δ60.07810°,λ28.31724°. NP2:ϕ_s222.12521°,δ65.72449°,λ146.82464°. Principal axes: T 1.1845,Plg40.0479°,Azm182.7624°; N -0.1115,Plg49.7286°,Azm9.9613° ; P -1.0730,Plg3.5551°,Azm275.7558° $M_0$1.13285×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.30 $M_{\theta\theta}$0.66 $M_{\phi\phi}$-0.97 $M_{r\theta}$-0.91 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.02 NP1: ϕ_s323.92419°,δ61.17459°,λ28.32570°. NP2:ϕ_s219.35610°,δ65.43714°,λ147.98680°. Principal axes: T 1.4102,Plg39.4099°,Azm180.2540°; N -0.4426,Plg50.4612°,Azm5.7360° ; P -0.9676,Plg2.6932°,Azm272.4692° $M_0$1.24915×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.94 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$1.54 $M_{r\theta}$-0.49 $M_{\theta\phi}$2.19 $M_{\phi r}$1.92 NP1: ϕ_s173.16520°,δ78.46073°,λ-137.57541°. NP2:ϕ_s72.80488°,δ48.62506°,λ-15.46068°. Principal axes: T 3.3859,Plg19.0223°,Azm296.6772°; N -0.2961,Plg46.3231°,Azm185.5115° ; P -3.0898,Plg37.5053°,Azm42.0203° $M_0$3.24797×10^{16}
UPA Event type se. Presumed earthquake.
UCR Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(74) Near coast of Nicaragua

ISC	**VII**	**22 01 28 24.5–.35**	**11.36N–.02**	**86.98W–.02**	**33–1**	**5.2b,4.7s**	**790**	**1-165**
IDC	VII	22 01 28 20.9–.43	11.83N	86.45W	0	4.6b,4.6		**¶625366835**
CATAC	VII	22 01 28 23.1–.48	11N–2.0	87W–2.0	25–5	5.5,5.5		
MOS	VII	22 01 28 24.4–1.1	11.66N	86.80W	33	5.3b,5.5		
GFZ	VII	22 01 28 25.2	11.65N	86.33W	26	5.2W,5.5		
SNET	VII	22 01 28 25.3–.32	11N–3.0	87W–2.0	10	6.2b,5.9b		
GFZ	VII	22 01 28 25.2–.18	12N–2.0	86W–4.0	34–1	5.0b,5.0		
NEIC	VII	22 01 28 26.2–1.4	11.49N–.04	86.91W–.04	35–1	5.3b,5.2		
UCR	VII	22 01 28 27.9–1.6	11.56N	86.83W	55–32	5.5W,5.2		
GCMT	VII	22 01 28 28.5–.40	11.19N–.02	87.19W–.03	31–1	5.3W,5.2		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.41 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-2.55 $M_{r\theta}$2.40 $M_{\theta\phi}$2.30 $M_{\phi r}$-1.42 NP1:ϕ_s129.45419°,δ63.83116°,λ73.70869°. NP2:ϕ_s342.98602°,δ30.51888°,λ119.72109°. Principal axes: T 4.5082,Plg67.0716°,Azm8.8464°; N 0.4401,Plg14.5821°,Azm136.7985° ; P -4.9484,Plg17.2954°,Azm231.4448° $M_0$4.74365×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.57 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-3.37 $M_{r\theta}$-3.17 $M_{\theta\phi}$2.58 $M_{\phi r}$3.11 NP1: ϕ_s156.07985°,δ24.59384°,λ106.60769°. NP2:ϕ_s317.91950°,δ66.49546°,λ82.54688°. Principal axes: T 6.3700,Plg67.6636°,Azm213.9535°; N 0.3988,Plg6.8316°,Azm320.9061° ; P -6.7689,Plg21.1585°,Azm53.5638° $M_0$6.57854×10^{16}
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107220128A. Moment Tensor Solution. s42,c50; s94,c138; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.75±.05 $M_{\theta\theta}$-0.50±.03; $M_{\phi\phi}$-0.24±.03; $M_{r\theta}$0.43±.04; $M_{\theta\phi}$0.45±.02; $M_{\phi r}$-0.42±.04; Best double couple: NP1:ϕ_s302.00000°,δ27.00000°,λ81.00000°. NP2:ϕ_s132.00000°,δ64.00000°,λ95.00000°. Principal axes: T 0.9570,Plg71.0000°,Azm52.0000°; N 0.0850,Plg4.0000°,Azm310.0000° ; P -1.0430,Plg19.0000°,Azm218.0000° $M_0$1.00000×10^{17}

(186) Vanuatu Islands

ISC	**VII**	**22 02 24 57.4–.32**	**14.77S–.03**	**167.00E–.04**	**31–1**	**5.2b,5.2s**	**699**	**1-162**
IDC	VII	22 02 24 53.0–.35	14.74S	166.87E	0	4.9b,4.9		**¶620844259**
GFZ	VII	22 02 24 55.1	14.76S	166.90E	29	5.5W,4.9		
NOU	VII	22 02 24 56.6	14.70S	166.96E	22	5.2b,4.9		
BJI	VII	22 02 24 57.7	14.30S	167.10E	34	5.7b,5.2s		
GFZ	VII	22 02 24 57.1–.42	15S–3.0	167E–4.0	29–2	5.5,5.2b		
NEIC	VII	22 02 24 58.6	14.90S	166.94E	35	5.5,5.2b		
NEIC	VII	22 02 24 58.6–1.3	14.88S–.06	166.94E–.07	35–1	5.3b,5.2		
NEIC	VII	22 02 24 59.1	14.80S	166.73E	36	5.5,5.2		
GCMT	VII	22 02 25 00.2–.10	14.80S–.01	166.66E–.01	31–0	5.5W,5.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.31 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-1.56 $M_{r\theta}$0.70 $M_{\theta\phi}$0.57 $M_{\phi r}$0.28 NP1: ϕ_s138.51270°,δ47.85091°,λ70.64546°. NP2:ϕ_s346.14228°,δ45.61298°,λ110.11023°. Principal axes: T 2.5042,Plg75.7277°,Azm336.6035°; N -0.6451,Plg14.2238°,Azm151.7763° ; P -1.8591,Plg1.1523°,Azm242.0685° $M_0$2.25201×10^{17}
NOU Vanuatu Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}2.18 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$-1.58 $M_{r\theta}$0.56 $M_{\theta\phi}$0.81 $M_{\phi r}$-0.18 NP1:ϕ_s339.64000°,δ39.97000°,λ104.39000°. NP2:ϕ_s141.13000°,δ51.53000°,λ78.23000°. Principal axes: T 2.2897,Plg79.0000°,Azm2.0000°; N -0.2076,Plg9.0000°,Azm149.0000° ; P -2.0821,Plg6.0000°,Azm239.0000° $M_0$2.19000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107220224A. Moment Tensor Solution. s123,c190; s146,c267;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.48±.05 $M_{\theta\theta}$-0.18±.03; $M_{\phi\phi}$-2.30±.03; $M_{r\theta}$0.67±.05; $M_{\theta\phi}$0.95±.02; $M_{\phi r}$0.03±.05; Best double couple: NP1: ϕ_s353.00000°,δ44.00000°,λ111.00000°. NP2:ϕ_s145.00000°,δ49.00000°,λ71.00000°. Principal axes: T 2.6530,Plg75.0000°,Azm348.0000°; N 0.0170,Plg14.0000°,Azm158.0000° ; P -2.6730,Plg2.0000°,Azm249.0000° $M_0$2.66300×10^{17}

(83) South of Panama

ISC	**VII**	**22 02 51 05.9–2.3**	**7.34N–.06**	**82.84W–.04**	**15–12**	**4.6b**	**128**	**1-130**
NEIC	VII	22 02 51 05.6–1.1	7.21N–.08	82.96W–.02	10–2	4.6b		**¶620967793**
UCR	VII	22 02 51 07.5–1.5	7.43N	82.81W	12–15	4.0W		
UPA	VII	22 02 51 08.9–1.4	7.44N	82.82W	41–8	4.2W		
CATAC	VII	22 02 51 09.8–.80	8N–5.0	83W–3.0	17–7	6.2b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(705) Off west coast of northern Sumatera

ISC	**VII**	**23 11 15 06.1–.62**	**0.11N–.05**	**96.60E–.07**	**32**	**4.0b**	**71**	**1-145**
IDC	VII	23 11 15 01.6–1.3	0.04S	96.42E	0	3.8b,3.8		**¶620967911**
NEIC	VII	23 11 15 03.1–1.0	0.06N–.05	96.60E–.08	10–1	4.4b,3.8		
DJA	VII	23 11 15 04.3–.40	0N–3.0	97E–3.0	10	5.6b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(175) South of Tonga Islands

ISC	**VII**	**23 23 13 54.6–.56**	**26.66S–.04**	**175.63W–.05**	**17–2**	**5.5s,5.5b**	**852**	**3-166**
IDC	VII	23 23 13 51.7–.41	26.47S	175.79W	0	5.2s,4.8b		**¶620845584**
MOS	VII	23 23 13 51.9–1.1	26.58S	175.80W	10	5.4b,5.3s		
BJI	VII	23 23 13 52.0	26.07S	175.10W	7	5.8b,5.5s		
NEIC	VII	23 23 13 52.5–1.8	26.63S–.08	175.7W–.10	10–1	5.5b,5.5		
NOU	VII	23 23 13 53.3	26.64S	175.53W	23	5.3b,5.5		
GFZ	VII	23 23 13 54.7–.14	26S–3.0	176W–3.0	10	5.7,5.3b		

GCMT VII 23 23 13 59.3–.30 26.46S–.03 175.17W–.02 28–0 5.8W,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Tonga Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107232313A. Moment Tensor Solution. s50,c59; s118,c177; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.86±.23 $M_{\theta\theta}$-1.28±.13; $M_{\phi\phi}$-3.58±.14; $M_{r\theta}$0.71±.26; $M_{\theta\phi}$-0.51±.08; $M_{\phi r}$2.97±.20; Best double couple: NP1:ϕ_s192.00000°,δ27.00000° ,λ89.00000°. NP2:ϕ_s13.00000°,δ63.00000°,λ91.00000°. Principal axes: T 5.8390,Plg72.0000°,Azm284.0000°; N -1.1730,Plg0.0000°,Azm192.0000° ; P -4.6660,Plg18.0000°,Azm102.0000° $M_0$5.25200×10^{17}

(370) Crete

ISC	**VII**	**24 02 07 37.8–.45**	**35.16N–.02**	**25.23E–.01**	**12–2**	**5.3b,4.0s**	**1577 0-153**
BEO	VII	24 02 07 34.1–.60	34.55N	24.70E	10	4.5L,4.0s	**¶621112263**
MOS	VII	24 02 07 35.8–1.1	35.04N	25.28E	11	5.5b,4.0s	
GII	VII	24 02 07 35.5–.00	35.13N	25.23E	0	5.0,4.0s	
ISK	VII	24 02 07 36.8	35.16N	25.21E	9–0	4.9L,4.0s	
IDC	VII	24 02 07 36.3–.41	35.22N	25.22E	0	5.0b,4.9	
BJI	VII	24 02 07 36.0	35.10N	25.20E	10	5.4b,5.2b	
THE	VII	24 02 07 37.5	35N–1.0	25.2E–.60	10–1	4.8,4.8	
ATH	VII	24 02 07 37.6	35.14N	25.23E	13–0	4.8L,4.8	
MCSM	VII	24 02 07 37.9–.20	35N–2.0	25E–2.0	10	5.2,5.2b	
NEIC	VII	24 02 07 38.2	35.19N	25.23E	10	5.2,5.2b	
MED_R	VII	24 02 07 38.0	35.13N	25.23E	14	4.9W,5.2b	
NEIC	VII	24 02 07 38.2–2.5	35.19N–.06	25.23E–.03	10–1	5.3b,4.7	
GFZ	VII	24 02 07 38.8–.20	35N–2.0	25E–1.0	10	5.1b,4.8b	
NAO	VII	24 02 07 39.6	35.08N	24.47E	33	4.3b,4.8b	
GCMT	VII	24 02 07 40.0–.40	35.07N–.03	24.85E–.03	24–1	5.1W,4.8b	
AFAD	VII	24 02 07 41.4	35.45N	25.22E	6–5	4.6W,4.8b	

ISC Event type ke.
BEO Event type ke.
MOS Error ellipse: s-maj=5.2km s-min=2.6km az=82.8.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
IDC Error ellipse: s-maj=10.2km s-min=6.8km az=7.0.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/07/24 02:08:36, This location: 2021/07/24 02:57:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-2.54±.17 $M_{\theta\theta}$0.68±.10; $M_{\phi\phi}$0.00±.10; $M_{r\theta}$-1.16±.18; $M_{\theta\phi}$1.46±.08; $M_{\phi r}$-0.01±.14; NP1: ϕ_s195.00000°,δ41.00000°,λ-120.00000°. NP2:ϕ_s53.00000°,δ55.00000°,λ-66.00000°. Principal axes: T 2.9200,Plg7.0000°,Azm126.0000°; N 0.0300,Plg19.0000°,Azm219.0000° ; P -2.9600,Plg69.0000°,Azm17.0000° $M_0$2.94000×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=2.8km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.21 $M_{\theta\theta}$0.17 $M_{\phi\phi}$1.04 $M_{r\theta}$-0.07 $M_{\theta\phi}$1.09 $M_{\phi r}$0.36 NP1:ϕ_s196.83000°,δ52.72000°,λ-114.08000°. NP2:ϕ_s53.25000°,δ43.41000° ,λ-61.81000°. Principal axes: T 1.8005,Plg5.0000°,Azm304.0000°; N -0.4762,Plg19.0000° ,Azm212.0000°; P -1.3243,Plg70.0000°,Azm48.0000° $M_0$1.62000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107240207A. Moment Tensor Solution. s17,c19; s84,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.55±.41 $M_{\theta\theta}$1.22±.24; $M_{\phi\phi}$3.33±.26; $M_{r\theta}$0.05±.34; $M_{\theta\phi}$2.11±.14; $M_{\phi r}$1.82±.29; Best double couple: NP1:ϕ_s42.00000°,δ36.00000° ,λ-73.00000°. NP2:ϕ_s201.00000°,δ55.00000°,λ-102.00000°. Principal axes: T 4.9010,Plg10.0000°,Azm300.0000°; N 0.0780,Plg10.0000°,Azm208.0000° ; P -4.9790,Plg76.0000°,Azm73.0000° $M_0$4.94000×10^{16}
AFAD Event type se. Presumed earthquake.

(177) Kermadec Islands region

ISC	**VII**	**24 12 51 29.2–.37**	**29.99S–.03**	**176.75W–.03**	**12–1**	**6.2s,5.6b**	**1279 1-172**
NOU	VII	24 12 51 27.6	30.10S	176.42W	15	5.8,5.6b	**¶620845661**
BJI	VII	24 12 51 27.0	30.10S	176.80W	5	6.5b,6.1s	
NEIC	VII	24 12 51 28.4–.84	29.93S–.04	176.9W–.10	10–1	6.2,6.2	
NEIC	VII	24 12 51 28.5	29.97S	176.93W	7	6.2,6.2	
NEIC	VII	24 12 51 28.4	29.94S	176.87W	10	6.2,6.2	
MOS	VII	24 12 51 28.8–1.4	29.90S	177.04W	10	6.0s,5.8b	
IDC	VII	24 12 51 28.0–.35	29.79S	177.03W	0	5.9s,5.3b	
GFZ	VII	24 12 51 29.3–.15	30S–3.0	177W–3.0	10	6.0,5.7b	
IPGP	VII	24 12 51 29.0	29.95S	176.90W	12	6.2W,5.7b	
GFZ	VII	24 12 51 30.1	30.07S	176.96W	18	6.1W,5.7b	
PTWC	VII	24 12 51 32	30.10S	176.40W	69	6.3,5.7b	
GCMT	VII	24 12 51 36.1–.00	29.88S	176.59W	12	6.1W,5.7b	
NEIC	VII	24 12 51 40.6	29.97S	176.46W	12	6.1,5.7b	

ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=6.1km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-0.84 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.38 $M_{\phi r}$1.73 NP1:ϕ_s22.96000°,δ75.17000°,λ88.48000°. NP2:ϕ_s208.86000°,δ14.91000° ,λ95.71000°. Principal axes: T 2.1835,Plg60.0000°,Azm291.0000°; N -0.0676,Plg1.0000° ,Azm23.0000°; P -2.1159,Plg30.0000°,Azm114.0000° $M_0$2.15000×10^{18}
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=10.2km s-min=7.6km az=107.5.
IDC Error ellipse: s-maj=14.4km s-min=13.4km az=122.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IPGP Moment Tensor Solution. NP1:ϕ_s200.00000°,δ21.00000°,λ97.00000°. NP2:ϕ_s13.00000° ,δ69.00000°,λ87.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.44 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.32 $M_{r\theta}$0.34 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.89 NP1: ϕ_s183.39674°,δ28.40687°,λ79.41347°. NP2:ϕ_s15.39292°,δ62.11930°,λ95.67461°. Principal axes: T 1.7393,Plg72.2943°,Azm298.6838°; N -0.1008,Plg5.0141°,Azm192.7325° ; P -1.6385,Plg16.9358°,Azm101.2016° $M_0$1.69117×10^{18}
PTWC KERMADEC ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107241251A. Moment Tensor Solution. s155,c345; s169,c647;Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}1.27±.01 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$-1.23±.01; $M_{r\theta}$0.27±.02; $M_{\theta\phi}$-0.40±.01; $M_{\phi r}$0.93±.01; Best double couple: NP1:ϕ_s197.00000°,δ27.00000°,λ90.00000°. NP2:ϕ_s17.00000°,δ63.00000°,λ90.00000°. Principal axes: T 1.5880,Plg72.0000°,Azm286.0000°; N 0.0800,Plg0.0000°,Azm17.0000° ; P -1.6670,Plg18.0000°,Azm107.0000° $M_0$1.62700×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s1 Moment tensor: Scale 10^{18}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$-1.21 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.39 $M_{\phi r}$0.82 NP1:ϕ_s203.03000°,δ29.05000° ,λ100.93000°. NP2:ϕ_s10.57000°,δ61.53000°,λ83.99000°. Principal axes: T 1.4684,Plg73.0000°,Azm266.0000°; N 0.0986,Plg5.0000°,Azm13.0000° ; P -1.5670,Plg16.0000°,Azm105.0000° $M_0$1.52000×10^{18}

(266) Northern Molucca Sea

ISC	**VII**	**24 13 07 22.2–.25**	**2.85N–.03**	**126.59E–.04**	**60–2**	**5.3b**	**1209 1-166**
GFZ	VII	24 13 07 16.7	2.99N	126.57E	70	5.2W	**¶620845662**
BJI	VII	24 13 07 18.5	2.53N	126.50E	68	5.6b,5.3s	
MOS	VII	24 13 07 18.8–.80	2.87N	126.32E	41	5.4b,5.3s	
MAN	VII	24 13 07 19.9	2.81N	126.74E	76	5.5b,4.8s	
IDC	VII	24 13 07 21.1–1.1	2.83N	126.37E	47–10	5.1L,5.1	
GFZ	VII	24 13 07 21.8–.11	3N–2.0	127E–2.0	64	5.5,5.4b	
DJA	VII	24 13 07 22.3–.20	3N–1.0	127E–1.0	66–2	6.0b,5.8	
NEIC	VII	24 13 07 22.4–2.3	2.88N–.06	126.60E–.06	55–5	5.3b,5.8	
GCMT	VII	24 13 07 24.2–.20	2.87N–.02	126.73E–.02	48–1	5.5W,5.8	

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.15 $M_{\theta\theta}$-1.93 $M_{\phi\phi}$-1.22 $M_{r\theta}$1.82 $M_{\theta\phi}$6.33 $M_{\phi r}$6.26 NP1: ϕ_s352.56405°,δ74.75451°,λ135.02967°. NP2:ϕ_s97.28216°,δ47.01014°,λ21.06867°. Principal axes: T 10.0319,Plg41.9199°,Azm304.8104°; N -1.1854,Plg43.0452° ,Azm157.8167°; P -8.8465,Plg17.2305°,Azm50.9789° $M_0$9.49488×10^{16}
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107241307A. Moment Tensor Solution. s55,c67; s84,c115; Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.08±.10 $M_{\theta\theta}$-0.41±.07; $M_{\phi\phi}$-1.67±.06; $M_{r\theta}$0.23±.05; $M_{\theta\phi}$-0.69±.05; $M_{\phi r}$1.11±.07; Best double couple: NP1:ϕ_s209.00000°,δ31.00000° ,λ99.00000°. NP2:ϕ_s18.00000°,δ60.00000°,λ84.00000°. Principal axes: T 2.3840,Plg75.0000°,Azm273.0000°; N -0.1240,Plg5.0000°,Azm21.0000° ; P -2.2610,Plg14.0000°,Azm112.0000° $M_0$2.32300×10^{17}

(193) Bougainville-Solomon Islands region

ISC	**VII**	**24 13 19 49.7–.26**	**7.92S–.04**	**156.34E–.04**	**18**	**5.3s,5.1b**	**413 3-161**
IDC	VII	24 13 19 47.1–.39	7.87S	156.26E	0	5.0s,4.7b	**¶620845671**
NEIC	VII	24 13 19 48.6–2.1	7.90S–.05	156.41E–.07	10–1	5.1b,4.7b	
MOS	VII	24 13 19 48.6–.98	7.82S	156.29E	18	5.3b,4.7b	
GCMT	VII	24 13 19 52.8–.30	7.80S–.03	156.32E–.02	19–1	5.2W,4.7b	
BJI	VII	24 13 19 55.2	7.67S	156.42E	74	5.6s,5.5b	
GFZ	VII	24 13 19 56.1–.18	8S–3.0	156E–4.0	82	5.8,5.0b	
DJA	VII	24 13 19 58.5–.40	8S–4.0	156E–3.0	85–5	7.0b,6.9	

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107241319A. Moment Tensor Solution. s19,c20; s77,c118; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.62±.51 $M_{\theta\theta}$-0.80±.31; $M_{\phi\phi}$-4.82±.31; $M_{r\theta}$-4.67±.90; $M_{\theta\phi}$2.97±.18; $M_{\phi r}$-2.22±.58; Best double couple: NP1:ϕ_s180.00000°,δ52.00000° ,λ133.00000°. NP2:ϕ_s303.00000°,δ55.00000°,λ49.00000°. Principal axes: T 8.9060,Plg58.0000°,Azm153.0000°; N -2.5040,Plg32.0000°,Azm330.0000° ; P -6.4030,Plg2.0000°,Azm61.0000° $M_0$7.65400×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(207) Eastern New Guinea region

ISC	**VII**	**24 19 49 40.2–.35**	**6.75S–.04**	**147.93E–.05**	**51**	**4.7b,3.3s**	**217 3-153**
IDC	VII	24 19 49 32.5–.57	6.54S	148.16E	0	4.6L,4.2	**¶620845795**
NEIC	VII	24 19 49 41.6–1.2	6.72S–.07	147.96E–.08	63–7	4.7b,4.2	
GFZ	VII	24 19 49 43.0–.22	7S–3.0	148E–3.0	70	4.9b,4.9	
DJA	VII	24 19 49 44.1–.50	7S–5.0	148E–4.0	90–5	5.7b,5.3	

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(705) Off west coast of northern Sumatera

ISC	**VII**	**24 21 42 16.9–.48**	**0.10N–.04**	**96.61E–.05**	**10**	**4.2b,3.2s**	**168 1-145**
IDC	VII	24 21 42 15.2–.90	0.05S	96.46E	0	4.0b,4.0	**¶620845803**
DJA	VII	24 21 42 17.0–.50	0N–2.0	97E–3.0	27–7	5.5b,5.0	
NEIC	VII	24 21 42 18.4–1.2	0.11N–.06	96.64E–.06	18–5	4.4b,5.0	
GFZ	VII	24 21 42 18.2–2.5	0N–3.0	97E–4.0	20–21	4.5b,4.4	

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(49) Gulf of California

ISC	**VII**	**25 03 38 57.6–1.2**	**23.85N–.03**	**108.79W–.03**	**19–4**	**5.3b,5.1s**	**534 1-144**
IDC	VII	25 03 38 54.1–.48	23.87N	108.69W	0	4.9s,4.6b	**¶620845822**
MOS	VII	25 03 38 54.9–.90	23.92N	108.62W	11	5.3b,5.1s	
BJI	VII	25 03 38 55.8	23.90N	108.70W	10	5.9b,5.6s	
NEIC	VII	25 03 38 56.8–2.1	23.88N–.08	108.66W–.08	9–3	5.3b,5.6s	
NEIC	VII	25 03 38 57.8	23.90N	108.61W	11	5.3b,5.6s	
GFZ	VII	25 03 38 57.7	23.87N	108.68W	16	5.4W,5.6s	
MEX	VII	25 03 38 57.0–.91	23.98N	108.78W	18–45	5.3,5.6s	
GFZ	VII	25 03 38 58.2–.49	24N–5.0	109W–5.0	10	5.0,4.9b	
GCMT	VII	25 03 38 59.0–.10	23.90N–.01	108.73W–.01	13–0	5.4W,4.9b	
NEIC	VII	25 03 39 10.6	23.90N	108.61W	12	5.4,4.9b	

ISC Event type se.
IDC Error ellipse: s-maj=11.9km s-min=10.3km az=79.0.
MOS Error ellipse: s-maj=10.3km s-min=5.9km az=96.6.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.3km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.16 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$1.17 $M_{r\theta}$-0.49 $M_{\theta\phi}$-0.17 $M_{\phi r}$-0.16 NP1: ϕ_s132.49248°,δ72.79405°,λ-173.27377°. NP2:ϕ_s40.49443°,δ83.57608°,λ-17.31808°. Principal axes: T 1.2014,Plg7.4727°,Azm87.5856°; N 0.2956,Plg71.5632°,Azm200.7555° ; P -1.4970,Plg16.7551°,Azm355.3224° $M_0$1.37328×10^{17}
MEX Event type se. Error ellipse: s-maj=5.6km s-min=3.3km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107250338A. Moment Tensor Solution. s106,c176; s147,c303;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.02 $M_{\theta\theta}$-1.48±.02; $M_{\phi\phi}$1.57±.02; $M_{r\theta}$-0.55±.05; $M_{\theta\phi}$-0.19±.01; $M_{\phi r}$-0.19±.04; Best double couple: NP1: ϕ_s133.00000°,δ72.00000°,λ-170.00000°. NP2:ϕ_s40.00000°,δ81.00000°,λ-18.00000°. Principal axes: T 1.5970,Plg6.0000°,Azm88.0000°; N 0.0930,Plg70.0000°,Azm193.0000° ; P -1.6890,Plg19.0000°,Azm355.0000° $M_0$1.64300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$1.49 $M_{r\theta}$-0.04 $M_{\theta\phi}$-0.19 $M_{\phi r}$0.72 NP1:ϕ_s309.13000°,δ74.86000° ,λ165.07000°. NP2:ϕ_s43.11000°,δ75.60000°,λ15.64000°. Principal axes: T 1.7800,Plg21.0000°,Azm266.0000°; N -0.3678,Plg69.0000°,Azm85.0000° ; P -1.4122,Plg1.0000°,Azm176.0000° $M_0$1.63000×10^{17}

(177) Kermadec Islands region

ISC	**VII**	**25 07 13 45.7–.53**	**29.66S–.04**	**176.96W–.05**	**34–1**	**5.2b,4.6s**	**714 1-172**
NOU	VII	25 07 13 39.0	30.09S	176.71W	0	5.2b,4.6s	**¶621112276**
IDC	VII	25 07 13 41.2–.38	29.47S	176.98W	0	5.0b,4.9	
NEIC	VII	25 07 13 42.2–1.1	29.52S–.10	177.0W–.10	10–1	5.2b,5.1	
MOS	VII	25 07 13 42.2–.95	29.49S	177.09W	13	5.4b,4.7s	
BJI	VII	25 07 13 45.5	28.97S	176.57W	35	5.7b,5.5s	
GFZ	VII	25 07 13 46.3–.16	30S–4.0	177W–3.0	36	5.1b,5.1	
GCMT	VII	25 07 13 48.3–.20	29.51S–.02	176.73W–.01	20–0	5.1W,5.1	

ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107250713A. Moment Tensor Solution. s78,c106; s116,c177;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.25±.18 $M_{\theta\theta}$-1.02±.11; $M_{\phi\phi}$-4.23±.11; $M_{r\theta}$1.32±.23; $M_{\theta\phi}$-1.19±.07; $M_{\phi r}$3.55±.19; Best double couple: NP1: ϕ_s197.00000°,δ26.00000°,λ88.00000°. NP2:ϕ_s19.00000°,δ64.00000°,λ91.00000°. Principal axes: T 6.5360,Plg71.0000°,Azm292.0000°; N -0.6290,Plg1.0000°,Azm199.0000° ; P -5.9070,Plg19.0000°,Azm109.0000° $M_0$6.22200×10^{16}

(177) Kermadec Islands region

ISC	**VII**	**25 10 17 01.1–.49**	**29.92S–.04**	**176.59W–.04**	**15–2**	**6.0s,5.4b**	**785 1-172**
BJI	VII	25 10 16 57.9	29.60S	176.30W	4	6.1b,5.9s	**¶620845833**
NOU	VII	25 10 16 58.8	30.17S	176.60W	2	5.3b,5.9s	
IDC	VII	25 10 16 59.4–.38	29.81S	176.84W	0	5.7s,4.8b	
NEIC	VII	25 10 17 00.5	29.75S	176.68W	10	5.7s,4.8b	
NEIC	VII	25 10 17 00.5–1.5	29.8S–.10	176.7W–.10	10–1	6.0,5.5b	
MOS	VII	25 10 17 00.2–.90	29.79S	176.86W	11	5.8s,5.5b	
GFZ	VII	25 10 17 01.2–.16	30S–3.0	177W–3.0	10	5.6,5.3b	
GFZ	VII	25 10 17 01.6	29.82S	176.72W	12	5.9W,5.3b	
NEIC	VII	25 10 17 04.7	30.15S	175.76W	18	5.7,5.3b	
GCMT	VII	25 10 17 09.5–.10	29.87S–.01	176.37W	12	5.8W,5.3b	

PTWC VII 25 10 17 11 29.90S 176.90W 88 5.8,5.3b
ISC Event type se.
NOU Kermadec Islands Region.
IDC Error ellipse: s-maj=14.2km s-min=13.3km az=165.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=17.8km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.7km s-min=8.9km az=115.3.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}4.97 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-4.28 $M_{r\theta}$3.45 $M_{\theta\phi}$-0.86 $M_{\phi r}$7.98 NP1: ϕ_s186.71272°,δ14.63543°,λ75.22057°. NP2:ϕ_s21.96503°,δ75.85904°,λ93.81123°.
Principal axes: T 10.1889,Plg58.9720°,Azm297.1967°; N -0.6026,Plg3.6956°,Azm201.0326° ; P -9.5863,Plg30.7579°,Azm108.8297° $M_0$9.90137×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}4.25 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-4.17 $M_{r\theta}$0.19 $M_{\theta\phi}$-0.58 $M_{\phi r}$1.61 NP1:ϕ_s188.38000°,δ34.58000° ,λ90.70000°. NP2:ϕ_s7.54000°,δ55.42000°,λ89.52000°. Principal axes: T 4.5486,Plg80.0000° ,Azm276.0000°; N -0.0017,Plg0.0000°,Azm8.0000°; P -4.5469,Plg10.0000°,Azm98.0000° $M_0$4.55000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107251017A. Moment Tensor Solution.
s141,c308; s167,c557;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.23±.03 $M_{\theta\theta}$-0.44±.03; $M_{\phi\phi}$-4.80±.03; $M_{r\theta}$1.45±.09; $M_{\theta\phi}$-1.44±.03; $M_{\phi r}$4.24±.08; Best double couple: NP1:ϕ_s195.00000°,δ25.00000°,λ87.00000°. NP2:ϕ_s18.00000°,δ65.00000°,λ91.00000°.
Principal axes: T 6.8880,Plg70.0000°,Azm291.0000°; N -0.0100,Plg1.0000°,Azm198.0000° ; P -6.8880,Plg20.0000°,Azm107.0000° $M_0$6.88800×10^{17}
PTWC KERMADEC ISLANDS REGION.

(177) Kermadec Islands region

ISC	**VII**	**25 13 51 37.7–.54**	**30.11S–.05**	**176.74W–.06**	**11–2**	**4.9s,4.8b**	**293 1-169**	
BJI	VII	25 13 51 35.1	30.12S	176.52W	3	5.6b,5.1s	**¶620845932**	
IDC	VII	25 13 51 36.7–.44	29.99S	176.99W	0	4.7s,4.6b		
NOU	VII	25 13 51 37.9	30.19S	176.43W	30	5.0b,4.6b		
GFZ	VII	25 13 51 37.4–.19	30S–3.0	177W–4.0	10	4.9b,4.9		
NEIC	VII	25 13 51 38.2–2.1	29.98S–.09	176.8W–.10	10–1	4.8b,4.9		
GCMT	VII	25 13 51 42.5–.40	29.98S–.03	176.11W–.03	34–1	5.0W,4.9		

ISC Event type se.
NOU Kermadec Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107251351A. Moment Tensor Solution. s31,c35; s69,c88;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.44±.24 $M_{\theta\theta}$-0.86±.14; $M_{\phi\phi}$-2.58±.13; $M_{r\theta}$0.71±.13; $M_{\theta\phi}$-0.49±.09; $M_{\phi r}$1.81±.10; Best double couple: NP1:ϕ_s193.00000°,δ29.00000° ,λ86.00000°. NP2:ϕ_s18.00000°,δ61.00000°,λ92.00000°. Principal axes:
T 4.0050,Plg74.0000°,Azm294.0000°; N -0.7400,Plg2.0000°,Azm197.0000° ; P -3.2690,Plg16.0000°,Azm106.0000° $M_0$3.63700×10^{16}

(177) Kermadec Islands region

ISC	**VII**	**25 16 07 37.3–.54**	**29.96S–.04**	**176.73W–.05**	**16–2**	**5.7s,5.2b**	**547 1-169**	
NOU	VII	25 16 07 32.7	30.35S	176.50W	0	5.1b,5.2b	**¶626067034**	
BJI	VII	25 16 07 33.9	29.47S	176.19W	4	5.9b,5.6s		
IDC	VII	25 16 07 35.0–.38	29.74S	176.83W	0	4.8b,4.7		
MOS	VII	25 16 07 35.6–1.2	29.82S	176.90W	10	5.6s,5.3b		
NEIC	VII	25 16 07 36.0–.95	29.9S–.10	176.7W–.10	10–1	5.8,5.5		
GFZ	VII	25 16 07 37.0–.21	30S–4.0	177W–4.0	10	5.2,5.2b		
GCMT	VII	25 16 07 41.6–.20	29.77S–.01	176.36W–.01	12	5.4W,5.2b		

ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107251607A. Moment Tensor Solution. s109,c171; s142,c258;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.59±.03 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$-1.53±.03; $M_{r\theta}$0.01±.07; $M_{\theta\phi}$-0.34±.03; $M_{\phi r}$0.85±.07; Best double couple: NP1: ϕ_s198.00000°,δ31.00000°,λ100.00000°. NP2:ϕ_s7.00000°,δ59.00000°,λ84.00000°.
Principal axes: T 1.8110,Plg75.0000°,Azm261.0000°; N 0.0020,Plg5.0000°,Azm10.0000° ; P -1.8130,Plg14.0000°,Azm101.0000° $M_0$1.81200×10^{17}

(177) Kermadec Islands region

ISC	**VII**	**25 16 09 51.8–.39**	**29.78S–.05**	**176.74W–.05**	**19–1**	**5.8s,5.2b**	**429 10-168**	
NOU	VII	25 16 09 46.9	30.85S	176.78W	8	5.2b,5.2b	**¶621112284**	
IDC	VII	25 16 09 48.2–.41	29.75S	176.81W	0	5.4s,4.8b		
BJI	VII	25 16 09 48.2	29.55S	176.37W	7	5.9b,5.6s		
MOS	VII	25 16 09 50.1–1.1	29.87S	176.87W	16	5.4s,5.4b		
NEIC	VII	25 16 09 50.5–1.4	29.83S–.09	176.7W–.10	10–1	5.8,5.6		
GFZ	VII	25 16 09 53.8–.25	30S–3.0	177W–3.0	33–1	5.5,5.3b		
GFZ	VII	25 16 09 53.8	29.79S	176.85W	24	5.6W,5.3b		
GCMT	VII	25 16 09 54.3–.10	29.69S–.01	176.36W–.01	12	5.6W,5.3b		

ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}2.98 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-2.51 $M_{r\theta}$0.56 $M_{\theta\phi}$-0.50 $M_{\phi r}$1.57 NP1: ϕ_s190.55820°,δ29.74477°,λ85.18824°. NP2:ϕ_s16.09590°,δ60.37056°,λ92.74423°.
Principal axes: T 3.4457,Plg74.4778°,Azm293.3637°; N -0.3652,Plg2.3852°,Azm194.7384° ; P -3.0805,Plg15.3287°,Azm104.0842° $M_0$3.27840×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107251609A. Moment Tensor Solution. s118,c227; s154,c309;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.22±.03 $M_{\theta\theta}$-0.08±.03; $M_{\phi\phi}$-2.15±.02; $M_{r\theta}$0.82±.07; $M_{\theta\phi}$-0.64±.02; $M_{\phi r}$2.22±.07; Best double couple: NP1: ϕ_s192.00000°,δ22.00000°,λ83.00000°. NP2:ϕ_s19.00000°,δ68.00000°,λ93.00000°.
Principal axes: T 3.2330,Plg67.0000°,Azm294.0000°; N 0.0930,Plg2.0000°,Azm198.0000° ; P -3.3340,Plg23.0000°,Azm107.0000° $M_0$3.28300×10^{17}

(265) Minahassa Peninsula, Sulawesi

ISC	**VII**	**26 03 52 02.1–.14**	**0.71S–.02**	**121.96E–.02**	**12**	**5.6b,5.3s**	**1452 0-177**	
MOS	VII	26 03 51 59.9–.97	0.65S	121.96E	11	5.9b,5.1s	**¶620846039**	
IDC	VII	26 03 51 59.8–.28	0.70S	121.88E	0	5.3b,5.3		
ISC-P	VII	26 03 52 02	0.67S	121.91E	12–1	6.1,5.3		
NEIC	VII	26 03 52 02.3–2.9	0.67S–.04	121.91E–.04	10–2	5.7,5.7b		
NEIC	VII	26 03 52 03.5	0.72S	121.95E	18	5.7,5.7b		
PTWC	VII	26 03 52 03	0.70S	122.00E	10	5.9,5.7b		
NEIC	VII	26 03 52 03.3	0.70S	121.93E	17	5.9,5.7b		
GFZ	VII	26 03 52 04.0–.14	1S–2.0	122E–2.0	10	5.8b,5.7		
GCMT	VII	26 03 52 05.8–.10	0.64S	121.95E	12–0	5.8W,5.7		
DJA	VII	26 03 52 05.0–.10	1S–1.0	122E–1.0	22–1	6.2b,6.2		
GFZ	VII	26 03 52 07.6	0.73S	121.97E	10	5.7W,6.2		
NEIC	VII	26 03 52 10.6	0.72S	122.05E	16	5.8,6.2		

ISC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=4.4km az=111.6.
IDC Error ellipse: s-maj=10.3km s-min=6.2km az=74.0.
ISC-P Moment Tensor Solution. s47 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.61±.15 $M_{\theta\theta}$0.04±.18; $M_{\phi\phi}$0.59±.17; $M_{r\theta}$0.30±.17; $M_{\theta\phi}$0.01±.29; $M_{\phi r}$-0.22±.15; NP1:ϕ_s319.30000°,δ53.30000° ,λ241.80000°. NP2:ϕ_s181.10000°,δ45.00000°,λ-57.70000°. $M_0$1.88000×10^{18}
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.1km az=204.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.02 $M_{\theta\theta}$2.50 $M_{\phi\phi}$0.52 $M_{r\theta}$1.67 $M_{\theta\phi}$-2.52 $M_{\phi r}$-1.49 NP1:ϕ_s116.21000°,δ29.68000°,λ-102.03000°. NP2:ϕ_s310.00000°,δ61.03000° ,λ-83.22000°. Principal axes: T 4.8414,Plg16.0000°,Azm35.0000°; N -1.1659,Plg6.0000° ,Azm127.0000°; P -3.6755,Plg73.0000°,Azm237.0000° $M_0$4.38000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107260352A. Moment Tensor Solution.
s132,c272; s163,c474;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.78±.04 $M_{\theta\theta}$4.28±.04; $M_{\phi\phi}$-0.49±.04; $M_{r\theta}$1.44±.10; $M_{\theta\phi}$-3.49±.03; $M_{\phi r}$-0.05±.11; Best double couple: NP1:ϕ_s138.00000°,δ41.00000°,λ-61.00000°. NP2:ϕ_s281.00000°,δ55.00000°,λ-113.00000°.
Principal axes: T 6.2880,Plg7.0000°,Azm27.0000°; N -2.1260,Plg19.0000°,Azm295.0000° ; P -4.1600,Plg70.0000°,Azm138.0000° $M_0$5.22400×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.91 $M_{\theta\theta}$3.09 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.64 $M_{\theta\phi}$-2.68 $M_{\phi r}$0.28 NP1: ϕ_s139.68118°,δ45.67478°,λ-60.12434°. NP2:ϕ_s280.25588°,δ51.66074°,λ-117.02124°.
Principal axes: T 4.6234,Plg3.1785°,Azm29.0246°; N -1.4737,Plg20.8760°,Azm297.8110° ; P -3.1497,Plg68.8608°,Azm127.2821° $M_0$4.09074×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.00 $M_{\theta\theta}$4.04 $M_{\phi\phi}$-0.04 $M_{r\theta}$3.38 $M_{\theta\phi}$-2.82 $M_{\phi r}$-0.81 NP1:ϕ_s131.79000°,δ28.72000° ,λ-67.37000°. NP2:ϕ_s286.36000°,δ63.67000°,λ-101.90000°. Principal axes:
T 6.5709,Plg18.0000°,Azm25.0000°; N -1.3287,Plg11.0000°,Azm292.0000° ; P -5.2422,Plg69.0000°,Azm127.2000° $M_0$6.02000×10^{17}

(265) Minahassa Peninsula, Sulawesi

ISC	**VII**	**26 12 09 07.5–.32**	**0.74S–.02**	**121.95E–.02**	**25–2**	**6.0b,5.9s**	**2046 1-177**	
PRE	VII	26 12 08 30.3–2.1	3.67N	126.80E	5	6.0b,5.9s	**¶620846772**	
BJI	VII	26 12 09 04.4	0.80S	121.95E	10	6.4b,6.2s		
MOS	VII	26 12 09 04.4–1.0	0.65S	121.93E	15	6.2b,5.8s		
IPGP	VII	26 12 09 06.0	0.75S	121.93E	13	6.2W,5.8s		
NEIC	VII	26 12 09 06.7–2.6	0.77S–.05	121.91E–.04	11–1	6.2,6.0b		
NEIC	VII	26 12 09 06.3	0.76S	121.91E	9	6.2,6.0b		
NEIC	VII	26 12 09 06.6	0.75S	121.93E	11	6.2,6.0b		
GFZ	VII	26 12 09 06.7	0.67S	121.97E	11	6.2W,6.0b		
GFZ	VII	26 12 09 07.4–.14	1S–2.0	122E–2.0	10	6.3,6.1b		
DJA	VII	26 12 09 07.1–.10	1S–1.0	122E–1.0	13–1	6.7b,6.6		
IDC	VII	26 12 09 08.9–1.6	0.73S	121.96E	34–11	5.8s,5.6		
PTWC	VII	26 12 09 09	0.80S	121.90E	10	6.6,5.6		
GCMT	VII	26 12 09 10.4–.00	0.68S	121.97E	12	6.2W,5.6		
NEIC	VII	26 12 09 17.9	0.75S	121.93E	14	6.3,5.6		

ISC Event type se.
PRE Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=7.2km s-min=4.2km az=111.2.
IPGP Moment Tensor Solution. NP1:ϕ_s137.00000°,δ42.00000°,λ-70.00000°. NP2:ϕ_s290.00000° ,δ51.00000°,λ-107.00000°.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.9km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-2.13 $M_{\theta\theta}$1.52 $M_{\phi\phi}$0.61 $M_{r\theta}$0.54 $M_{\theta\phi}$-1.15 $M_{\phi r}$0.05 NP1:ϕ_s294.82000°,δ51.10000°,λ-102.16000°. NP2:ϕ_s133.75000°,δ40.47000° ,λ-75.37000°. Principal axes: T 2.3443,Plg5.0000°,Azm33.0000°; N -0.1166,Plg9.0000° ,Azm303.0000°; P -2.2277,Plg79.0000°,Azm153.0000° $M_0$2.29000×10^{18}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}-1.90 $M_{\theta\theta}$1.56 $M_{\phi\phi}$0.34 $M_{r\theta}$0.40 $M_{\theta\phi}$-1.10 $M_{\phi r}$0.19 NP1: ϕ_s132.71250°,δ42.93898°,λ-71.85902°. NP2:ϕ_s288.60160°,δ49.65730°,λ-106.15762°.
Principal axes: T 2.2226,Plg3.4345°,Azm29.9707°; N -0.2284,Plg12.2455°,Azm299.2243° ; P -1.9942,Plg77.2675°,Azm135.3736° $M_0$2.11769×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=8.8km s-min=6.2km az=73.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107261209A. Moment Tensor Solution.
s162,c377; s167,c686;Duration: 3s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.22±.01 $M_{\theta\theta}$2.05±.01; $M_{\phi\phi}$0.17±.01; $M_{r\theta}$0.89±.03; $M_{\theta\phi}$-1.52±.01; $M_{\phi r}$0.32±.03; Best double couple: NP1:ϕ_s139.00000°,δ42.00000°,λ-59.00000°. NP2:ϕ_s280.00000°,δ55.00000°,λ-115.00000°.
Principal axes: T 2.9750,Plg7.0000°,Azm28.0000°; N -0.4120,Plg20.0000°,Azm295.0000° ; P -2.5590,Plg69.0000°,Azm136.0000° $M_0$2.76700×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.62 $M_{\theta\theta}$2.42 $M_{\phi\phi}$0.21 $M_{r\theta}$0.58 $M_{\theta\phi}$-1.70 $M_{\phi r}$0.75 NP1:ϕ_s139.26000°,δ47.63000° ,λ-59.37000°. NP2:ϕ_s277.95000°,δ50.53000°,λ-119.19000°. Principal axes:
T 3.3431,Plg2.0000°,Azm28.0000°; N -0.3358,Plg22.0000°,Azm298.0000° ; P -3.0073,Plg68.0000°,Azm122.0000° $M_0$3.19000×10^{18}

(265) Minahassa Peninsula, Sulawesi

ISC	**VII**	**26 13 50 01.7–.57**	**0.72S–.02**	**121.90E–.02**	**10**	**3.8b**	**104 1-63**	
IDC	VII	26 13 49 59.1–.89	0.62S	121.92E	0	3.8,3.7b	**¶620973848**	
NEIC	VII	26 13 50 02.8–.68	0.73S–.08	121.88E–.07	12–8	4.2b,3.7b		
DJA	VII	26 13 50 03.3–.40	1S–1.0	122E–1.0	10–3	6.2b,5.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(410) Southern Mid-Atlantic Ridge

ISC	**VII**	**28 11 06 14.1–.29**	**41.92S–.06**	**16.18W–.06**	**10**	**5.2b,4.6s**	**314 26-159**	
IDC	VII	28 11 06 12.6–.45	41.79S	16.11W	0	4.5b,4.5	**¶620857219**	
NEIC	VII	28 11 06 13.7–1.3	42.0S–.10	16.0W–.10	10–1	5.3b,5.2		
GFZ	VII	28 11 06 16.2–.19	42S–5.0	16W–3.0	10	5.0,4.9b		
SVSA	VII	28 11 06 16.0–9.7	42.30S	16.47W	10	5.6b,5.3W		
GCMT	VII	28 11 06 16.4–.10	41.86S–.01	16.24W–.01	12	5.1W,5.3W		
GFZ	VII	28 11 06 16.1	41.81S	16.08W	10	5.2W,5.3W		

ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=15.2km az=64.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=16.9km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
INMG Event type ke. #DIST_RANGE: DISTANT.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107281106A. Moment Tensor Solution. s65,c86; s143,c244;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.14±.09 $M_{\theta\theta}$0.80±.09; $M_{\phi\phi}$5.34±.08; $M_{r\theta}$-0.34±.33; $M_{\theta\phi}$-1.59±.07; $M_{\phi r}$2.30±.29; Best double couple: NP1:ϕ_s340.00000°,δ35.00000° ,λ-95.00000°. NP2:ϕ_s166.00000°,δ56.00000°,λ-87.00000°. Principal axes:
T 6.2670,Plg10.0000°,Azm253.0000°; N 0.3210,Plg3.0000°,Azm344.0000° ; P -6.5840,Plg79.0000°,Azm89.0000° $M_0$6.42500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-8.07 $M_{\theta\theta}$3.09 $M_{\phi\phi}$4.97 $M_{r\theta}$2.20 $M_{\theta\phi}$-1.53 $M_{\phi r}$-2.29 NP1: ϕ_s153.10436°,δ33.10624°,λ-83.51970°. NP2:ϕ_s325.38211°,δ57.13214°,λ-94.20887°.
Principal axes: T 6.4885,Plg12.0383°,Azm58.4238°; N 2.2847,Plg3.5342°,Azm327.6692° ; P -8.7732,Plg77.4387°,Azm221.5769° $M_0$7.88320×10^{16}

(115) Near coast of Peru

ISC	**VII**	**29 00 32 13.9–.42**	**8.31S–.03**	**79.99W–.04**	**27–2**	**5.6b,5.4s**	**1377 2-175**	
UCR	VII	29 00 31 39.4–2.0	10.77S	77.44W	0–999	5.8b,5.4s	**¶620857921**	
IDC	VII	29 00 32 09.7–.35	8.25S	80.12W	0	5.4s,5.3b		
BJI	VII	29 00 32 11.5	8.30S	80.00W	20	5.8s,5.8b		
MOS	VII	29 00 32 12.1–.94	8.24S	80.05W	23	5.8b,5.4s		
GFZ	VII	29 00 32 12.9	8.20S	79.92W	30	5.8W,5.4s		
ISC-P	VII	29 00 32 13	8.34S	79.97W	39–2	6.0,5.4s		
NEIC	VII	29 00 32 13.9–1.3	8.34S–.06	79.97W–.08	23–1	5.7b,5.7		
VAO	VII	29 00 32 13.6–1.6	8.22S	79.80W	23–10	5.8b,5.7		
PTWC	VII	29 00 32 14	8.20S	79.80W	10	5.9,5.7		
NEIC	VII	29 00 32 14.5	8.31S	79.92W	23	5.9,5.7		
NEIC	VII	29 00 32 14.5	8.31S	79.92W	23	5.9,5.7		
GFZ	VII	29 00 32 15.1–.09	8S–1.0	80W–3.0	28	6.1b,5.8		
IPGP	VII	29 00 32 15.0	8.34S	79.90W	27	5.8W,5.8		
GCMT	VII	29 00 32 16.8–.10	8.30S–.01	80.14W–.01	28–0	5.9W,5.8		
NEIC	VII	29 00 32 19.9	8.31S	79.92W	26	5.8,5.8		

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=999.9km s-min=453.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=14.0km s-min=7.3km az=57.0.
MOS Error ellipse: s-maj=8.7km s-min=4.8km az=96.6.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}3.88 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$-3.34 $M_{r\theta}$0.64 $M_{\theta\phi}$1.38 $M_{\phi r}$-4.89 NP1:

ϕ_s169.14572°,δ71.12838°,λ97.44485°. NP2:ϕ_s327.14699°,δ20.23716°,λ69.24024°. Principal axes: T 6.3519,Plg63.1471°,Azm90.8485°; N -0.1376,Plg7.0426°,Azm346.7255° ; P -6.2143,Plg25.7690°,Azm253.3064° $M_0$6.28421×10^{17}

ISC-P Moment Tension Solution. s30 Moment tensor: Scale 10^{18}Nm; M_{rr}0.61±.14 $M_{\theta\theta}$-0.54±.16; $M_{\phi\phi}$-0.07±.15; $M_{r\theta}$-0.01±.15; $M_{\theta\phi}$-0.06±.26; $M_{\phi r}$0.41±.12; NP1:ϕ_s127.10000°,δ46.40000° ,λ99.80000°. NP2:ϕ_s293.00000°,δ44.50000°,λ79.80000°. $M_0$1.05000×10^{18}

NEIC Event type se. Error ellipse: s-maj=14.8km s-min=10.0km az=246.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.98 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-2.94 $M_{r\theta}$0.24 $M_{\theta\phi}$1.44 $M_{\phi r}$-3.30 NP1:ϕ_s321.50000°,δ24.66000°,λ62.48000°. NP2:ϕ_s171.32000°,δ68.28000° ,λ101.98000°. Principal axes: T 4.4849,Plg65.0000°,Azm101.0000°; N 0.3462,Plg11.0000° ,Azm347.0000°; P -4.8311,Plg22.0000°,Azm252.0000° $M_0$4.67000×10^{17}

VAO Event type se. Error ellipse: s-maj=4.1km s-min=5.2km az=-1.0. Presumed earthquake.

NEIC Event type se.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

IPGP Moment Tensor Solution. NP1:ϕ_s331.00000°,δ22.00000°,λ73.00000°. NP2:ϕ_s170.00000° ,δ69.00000°,λ97.00000°.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107290032A. Moment Tensor Solution. s152,c326; s159,c431;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}3.86±.04 $M_{\theta\theta}$-0.10±.03; $M_{\phi\phi}$-3.76±.04; $M_{r\theta}$0.85±.07; $M_{\theta\phi}$1.38±.03; $M_{\phi r}$-7.28±.14; Best double couple: NP1:ϕ_s330.00000°,δ15.00000°,λ68.00000°. NP2:ϕ_s172.00000°,δ76.00000°,λ96.00000°. Principal axes: T 8.2670,Plg59.0000°,Azm90.0000°; N 0.2150,Plg6.0000°,Azm351.0000° ; P -8.4790,Plg31.0000°,Azm257.0000° $M_0$8.37300×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}2.50 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$-2.03 $M_{r\theta}$1.33 $M_{\theta\phi}$0.45 $M_{\phi r}$-6.43 NP1:ϕ_s343.14000°,δ9.77000° ,λ85.09000°. NP2:ϕ_s168.12000°,δ80.26000°,λ90.84000°. Principal axes: T 7.1462,Plg55.0000°,Azm79.0000°; N -0.3622,Plg1.0000°,Azm348.0000° ; P -6.7841,Plg35.0000°,Azm257.0000° $M_0$6.97000×10^{17}

(12) Alaska Peninsula

ISC	**VII**	**29 06 15 47.5–.20**	**55.45N–.02**	**158.00W–.02**	**22–2**	**8.2s,7.0b**	**3419**	**1-164**
BJI	VII	29 06 15 41.8	55.45N	157.95W	10	8.1s,8.1	**¶620857937**	
IDC	VII	29 06 15 43.7–.33	55.54N	158.18W	0	7.9s,6.2b		
BGR	VII	29 06 15 44.9	54.64N	160.40W	33	8.0,7.7s		
PTWC	VII	29 06 15 45	55.30N	157.70W	10	7.4,7.7s		
NEIC	VII	29 06 15 46.7	55.43N	157.91W	19	7.4,7.7s		
MOS	VII	29 06 15 46.5–1.0	55.46N	158.03W	30	7.9s,7.2b		
NEIC	VII	29 06 15 48.4	55.42N	157.95W	32	7.9s,7.2b		
NEIC	VII	29 06 15 48.2–1.4	55.39N–.04	157.89W–.03	30–3	8.3,7.2L		
IPGP	VII	29 06 15 49.0	55.47N	157.92W	35	8.1W,7.2L		
AEIC	VII	29 06 15 49.2–1.4	55.36N–.04	157.89W–.08	35–1	8.1W,7.2L		
GFZ	VII	29 06 15 49.6	55.52N	158.07W	34	8.2W,7.2L		
GFZ	VII	29 06 15 49.1–.06	56N–1.0	158W–1.0	34	8.0,7.9		
CATAC	VII	29 06 15 50.1–.23	56N–4.0	158W–4.0	32	8.0,7.7		
GCMT	VII	29 06 16 20.2–.10	55.40N–.01	157.32W–.01	30–0	8.2W,7.7		
NEIC	VII	29 06 16 28.5	55.55N	157.44W	39	8.1,7.7		
NEIC	VII	29 06 16 46.9	55.43N	157.91W	36	8.2,7.7		

ISC Event type ke.

IDC Error ellipse: s-maj=9.0km s-min=5.6km az=177.0.

BGR Event type ke.

NEIC Event type se.

MOS Error ellipse: s-maj=7.6km s-min=4.1km az=98.2. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s230.00000°,δ20.00000°,λ76.00000°. NP2: ϕ_s65.00000°,δ71.00000°,λ95.00000°. Principal axes: T Plg64.0000°,Azm343.0000° ; N Plg5.0000°,Azm243.0000°; P Plg26.0000°,Azm151.0000° $M_0$7.10000×10^{20}

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=6.2km s-min=2.5km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IPGP Moment Tensor Solution. NP1:ϕ_s234.00000°,δ17.00000°,λ83.00000°. NP2:ϕ_s61.00000° ,δ74.00000°,λ92.00000°.

AEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=125.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$-0.22 $M_{r\theta}$2.02 $M_{\theta\phi}$-0.34 $M_{\phi r}$1.06 NP1: ϕ_s61.96468°,δ80.80386°,λ91.32820°. NP2:ϕ_s233.70989°,δ9.29075°,λ81.85203°. Principal axes: T 2.4065,Plg54.1778°,Azm333.5694°; N -0.0034,Plg1.3111°,Azm241.7524° ; P -2.4031,Plg35.7906°,Azm150.8069° $M_0$2.40478×10^{21}

GFZ Error ellipse: s-maj=3.1km s-min=2.6km az=155.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

CATAC Error ellipse: s-maj=10.6km s-min=6.4km az=131.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=200s. Triangular moment-rate function. ID: C202107290615A. Moment Tensor Solution. s168,c428; s174,c776;Duration: 32s4 Moment tensor: Scale 10^{21}Nm; M_{rr}1.03±.00 $M_{\theta\theta}$-0.77±.00; $M_{\phi\phi}$-0.26±.00; $M_{r\theta}$2.39±.04; $M_{\theta\phi}$-0.48±.00; $M_{\phi r}$1.37±.03; Best double couple: NP1:ϕ_s238.00000°,δ10.00000°,λ88.00000°. NP2:ϕ_s60.00000°,δ80.00000°,λ90.00000°. Principal axes: T 2.9320,Plg55.0000°,Azm331.0000°; N 0.0300,Plg0.0000°,Azm240.0000° ; P -2.9610,Plg35.0000°,Azm150.0000° $M_0$2.94600×10^{21}

NEIC Event type se. Moment Tensor Solution.Duration: 64s3 Moment tensor: Scale 10^{21}Nm; M_{rr}1.24 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-0.41 $M_{r\theta}$1.19 $M_{\theta\phi}$-0.53 $M_{\phi r}$0.97 NP1:ϕ_s52.01000°,δ70.78000° ,λ87.56000°. NP2:ϕ_s239.39000°,δ19.37000°,λ96.97000°. Principal axes: T 1.9817,Plg64.0000°,Azm318.0000°; N -0.0494,Plg2.0000°,Azm53.0000° ; P -1.9323,Plg26.0000°,Azm144.0000° $M_0$1.96000×10^{21}

NEIC Event type se. Moment Tensor Solution.Duration: 60s6 Moment tensor: Scale 10^{21}Nm; M_{rr}1.13 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-0.34 $M_{r\theta}$1.67 $M_{\theta\phi}$-0.52 $M_{\phi r}$1.22 NP1:ϕ_s238.78000°,δ14.36000° ,λ94.53000°. NP2:ϕ_s54.11000°,δ75.68000°,λ88.84000°. Principal axes: T 2.3600,Plg59.0000°,Azm323.0000°; N 0.0006,Plg1.0000°,Azm54.0000° ; P -2.3607,Plg31.0000°,Azm145.0000° $M_0$2.36000×10^{21}

(12) Alaska Peninsula

ISC	**VII**	**29 06 19 21.8–1.9**	**55.01N–.06**	**158.16W–.04**	**2–11**	**6.2b**	**60**	**1-87**
NEIC	VII	29 06 19 24.3–1.3	55.06N–.03	158.11W–.08	16–5	6.1b,6.0L	**¶622450816**	
AEIC	VII	29 06 19 28.0–2.8	55.10N–.04	158.24W–.08	18–4	6.1b,6.0L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

(17) South of Alaska

ISC	**VII**	**29 06 23 01.8–.62**	**55.9N–.10**	**157.11W–.06**	**35**	**5.4b**	**63**	**1-165**
IDC	VII	29 06 22 55.9–1.7	55.69N	157.59W	0	5.0b,5.0	**¶626337071**	
NEIC	VII	29 06 23 02.3–1.3	55.88N–.08	157.0W–.10	35–2	5.8L,5.7b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(12) Alaska Peninsula

ISC	**VII**	**29 06 23 28.9–.45**	**55.38N–.04**	**157.54W–.03**	**28–2**	**6.2b**	**886**	**1-155**
IDC	VII	29 06 23 25.0–.52	55.42N	157.59W	0	6.0b,5.9	**¶620984038**	
AEIC	VII	29 06 23 27.0–2.8	55.37N–.04	157.21W–.07	1–4	6.0b,5.9		
BJI	VII	29 06 23 28.6	55.46N	157.93W	34	6.2b,5.9		
MOS	VII	29 06 23 29.4–.95	55.54N	157.66W	37	6.5b,5.9		
GFZ	VII	29 06 23 31.6–.57	55N–11	158W–8.0	39	7.9,6.3b		
NEIC	VII	29 06 23 31.4–1.1	55.48N–.05	157.47W–.08	43–6	6.3b,6.0L		
BGR	VII	29 06 23 33.5	55.90N	158.62W	33	5.9b,6.0L		

ISC Event type ke.

IDC Error ellipse: s-maj=14.8km s-min=8.8km az=164.0.

AEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.9km az=137.0. hypocenter. manual.

MOS Error ellipse: s-maj=11.1km s-min=5.1km az=98.4.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

BGR Event type ke.

(17) South of Alaska

ISC	**VII**	**29 06 32 33.1–.47**	**55.28N–.04**	**156.82W–.03**	**14–2**	**5.7b**	**1274**	**1-158**
MOS	VII	29 06 32 30.9–.87	55.39N	156.78W	11	6.0b	**¶622450820**	
NEIC	VII	29 06 32 32.0–1.1	55.20N–.03	156.77W–.07	10–1	5.7b,5.5L		
IDC	VII	29 06 32 31.8–.52	55.47N	156.98W	0	5.6b,5.5		
BJI	VII	29 06 32 31.2	55.12N	157.10W	19	5.8b,5.5		
AEIC	VII	29 06 32 33.4–1.4	55.26N–.03	156.77W–.04	3–3	5.8b,5.5		
GFZ	VII	29 06 32 35.2–.20	55N–4.0	157W–3.0	18	7.8,5.8b		
BGR	VII	29 06 32 38.1	55.46N	158.03W	33	5.5b,5.8b		

ISC Event type ke.

MOS Error ellipse: s-maj=10.0km s-min=6.1km az=84.5.

NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.8km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=14.0km s-min=8.3km az=156.0.

AEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.8km az=155.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

BGR Event type ke.

(296) Myanmar

ISC	**VII**	**29 08 39 27.9–.40**	**22.89N–.03**	**95.92E–.02**	**14–2**	**5.4b**	**992**	**1-164**
IDC	VII	29 08 39 25.5–.30	22.83N	95.90E	0	6.4s,5.3L	**¶620857948**	
MOS	VII	29 08 39 25.1–.99	22.78N	95.89E	10	5.5b,5.3L		
NDI	VII	29 08 39 26.5–4.1	22.88N	96.30E	15–18	5.0L,5.3L		
BJI	VII	29 08 39 26.4	22.92N	95.93E	10	5.9s,5.9		
NEIC	VII	29 08 39 27.7–1.4	22.86N–.05	96.00E–.06	10–1	5.5b,5.9		
GFZ	VII	29 08 39 28.2–.08	23N–2.0	96E–2.0	10	6.3,5.5b		
BKK	VII	29 08 39 28.2–.40	23N–4.0	96E–4.0	10	6.8L,6.4		
BGR	VII	29 08 39 38.9	23.95N	95.24E	33	5.1b,6.4		

ISC Event type ke.

IDC Error ellipse: s-maj=9.7km s-min=6.7km az=50.0.

MOS Error ellipse: s-maj=6.7km s-min=3.6km az=115.8.

NDI Event type se. Error ellipse: s-maj=9.1km s-min=13.8km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.6km az=41.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=4.3km s-min=3.0km az=46.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

BGR Event type ke.

(12) Alaska Peninsula

ISC	**VII**	**29 09 28 22.4–.51**	**55.42N–.04**	**157.60W–.03**	**26–3**	**6.1s,4.9b**	**609**	**1-158**
IDC	VII	29 09 28 18.8–.45	55.46N	157.73W	0	4.7b,4.7	**¶620859558**	
GFZ	VII	29 09 28 21.5–.19	56N–4.0	158W–2.0	10	5.7,5.1b		
BJI	VII	29 09 28 22.0	55.50N	157.60W	44	5.1b,5.1b		
NEIC	VII	29 09 28 23.4–1.7	55.38N–.03	157.53W–.07	33–4	5.0L,4.9b		
AEIC	VII	29 09 28 23.4–2.2	55.28N–.04	157.44W–.08	26–3	5.0L,4.9b		
MOS	VII	29 09 28 23.2–.71	55.58N	157.79W	37	5.3b,4.9b		

ISC Event type se.

IDC Error ellipse: s-maj=12.7km s-min=7.6km az=161.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.0km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.5km az=130.0. hypocenter. manual.

MOS Error ellipse: s-maj=14.3km s-min=6.4km az=102.8.

(694) Central East Pacific Rise

ISC	**VII**	**29 09 40 43.4–.45**	**13.35S–.08**	**112.14W–.10**	**10**	**5.2b**	**242**	**14-150**
IDC	VII	29 09 40 42.4–.61	13.28S	112.18W	0	5.6s,4.4b	**¶620859560**	
GFZ	VII	29 09 40 44.8–.50	13S–5.0	112W–10	10	4.8b,4.8		
NEIC	VII	29 09 40 44.7–2.2	13.3S–.10	112.1W–.10	10–1	5.3b,4.8		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(17) South of Alaska

ISC	**VII**	**29 09 55 19.3–.48**	**55.30N–.08**	**155.64W–.05**	**10**	**4.8b**	**151**	**2-148**
IDC	VII	29 09 55 17.6–.61	55.22N	155.85W	0	5.6s,4.4b	**¶620859562**	
NEIC	VII	29 09 55 19.7–1.4	55.37N–.09	155.55W–.10	10–1	4.8b,4.5L		
GFZ	VII	29 09 55 20.2–.48	55N–10	156W–6.0	10	5.5,5.0b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(12) Alaska Peninsula

ISC	**VII**	**29 16 09 09.3–.28**	**55.11N–.03**	**156.98W–.02**	**19–1**	**5.2b,5.1s**	**1528**	**1-161**
NEIC	VII	29 16 09 06.9–1.3	55.15N–.05	156.92W–.08	7–3	5.4L,5.3	**¶620878560**	
MOS	VII	29 16 09 06.1–.95	55.13N	157.06W	10	5.5b,5.0s		
IDC	VII	29 16 09 07.8–.45	55.37N	157.14W	0	5.0b,5.0		
NEIC	VII	29 16 09 07.5	55.15N	156.94W	10	5.0b,5.0		
BJI	VII	29 16 09 08.2	55.32N	157.62W	15	5.6s,5.5b		
AEIC	VII	29 16 09 11.8–1.2	55.17N–.05	156.95W–.08	36–4	5.6s,5.5b		
GFZ	VII	29 16 09 12.5–.24	55N–3.0	157W–2.0	30–1	5.7b,5.3b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.48 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.91 $M_{\theta\phi}$0.31 $M_{\phi r}$0.46 NP1:ϕ_s70.49000°,δ84.65000°,λ82.72000°. NP2:ϕ_s304.36000°,δ9.02000° ,λ143.53000°. Principal axes: T 1.3389,Plg50.0000°,Azm333.0000°; N -0.5993,Plg7.0000° ,Azm71.0000°; P -0.7396,Plg39.0000°,Azm167.0000° $M_0$1.16000×10^{17}

NEIC Event type se.

AEIC Event type se. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(12) Alaska Peninsula

ISC	**VII**	**29 20 30 33.8–.33**	**55.47N–.04**	**156.96W–.03**	**31–1**	**5.2s,5.0b**	**826**	**1-160**
IDC	VII	29 20 30 30.2–.43	55.59N	157.15W	0	4.8b,4.8	**¶620882986**	
BJI	VII	29 20 30 30.0	55.50N	157.00W	31	5.5s,5.3b		
NEIC	VII	29 20 30 31.9–1.3	55.37N–.05	156.91W–.06	23–4	5.1L,5.0b		
NEIC	VII	29 20 30 32.3	55.37N	156.93W	25	5.1L,5.0b		
AEIC	VII	29 20 30 34.1–1.4	55.36N–.05	156.85W–.08	29–4	5.1L,5.0b		
GFZ	VII	29 20 30 34.3–.15	56N–3.0	157W–2.0	24	5.1b,5.1		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.33 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-0.12 $M_{r\theta}$0.97 $M_{\theta\phi}$0.02 $M_{\phi r}$0.69 NP1:ϕ_s55.38000°,δ84.08000°,λ87.65000°. NP2:ϕ_s257.05000°,δ6.37000° ,λ111.55000°. Principal axes: T 1.2938,Plg51.0000°,Azm323.0000°; N -0.1650,Plg2.0000° ,Azm56.0000°; P -1.1288,Plg39.0000°,Azm148.0000° $M_0$1.22000×10^{16}

NEIC Event type se.

AEIC Event type se. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(17) South of Alaska

ISC	**VII**	**29 20 32 41.3–.33**	**55.27N–.03**	**156.84W–.02**	**16–1**	**5.5b,5.1s**	**1661**	**1-164**
BJI	VII	29 20 32 37.0	55.20N	156.80W	15	5.7b,5.5s	**¶622450981**	
IDC	VII	29 20 32 39.6–.35	55.35N	157.08W	0	5.5b,5.4		
MOS	VII	29 20 32 39.3–.91	55.45N	156.99W	8	5.9b,5.0s		
NEIC	VII	29 20 32 40.1–1.9	55.23N–.05	156.79W–.06	8–3	5.5L,5.5b		
NEIC	VII	29 20 32 41.5	55.23N	156.79W	18	5.5L,5.5b		
AEIC	VII	29 20 32 43.0–1.9	55.22N–.06	156.76W–.08	21–3	5.5L,5.5b		
GFZ	VII	29 20 32 44.6–.12	55N–3.0	157W–2.0	30	5.9b,5.6b		
GFZ	VII	29 20 32 44.6	55.34N	157.05W	34	5.5W,5.6b		
GCMT	VII	29 20 32 46.2–.30	55.27N–.02	156.87W–.04	20–1	5.5W,5.6b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.30 $M_{\theta\theta}$-1.37 $M_{\phi\phi}$0.07 $M_{r\theta}$1.49 $M_{\theta\phi}$-0.15 $M_{\phi r}$0.95 NP1:ϕ_s63.60000°,δ72.23000°,λ76.49000°. NP2:ϕ_s281.80000°,δ22.19000° ,λ126.08000°. Principal axes: T 2.2724,Plg61.0000°,Azm314.0000°; N -0.1107,Plg13.0000° ,Azm68.0000°; P -2.1616,Plg26.0000°,Azm164.0000° $M_0$2.22000×10^{17}

NEIC Event type se.

AEIC Event type se. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.91 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-0.20 $M_{r\theta}$1.66 $M_{\theta\phi}$-0.39 $M_{\phi r}$0.93 NP1: ϕ_s60.70316°,δ77.13817°,λ89.74494°. NP2:ϕ_s241.84885°,δ12.86431°,λ91.11694°.
Principal axes: T 2.1015,Plg57.8611°,Azm330.3641°; N 0.0124,Plg0.2487°,Azm60.7599° ; P -2.1140,Plg32.1377°,Azm150.9162° $M_0$2.10780×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107292032A. Moment Tensor Solution. s42,c45; s101,c140; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35±.10 $M_{\theta\theta}$-0.86±.06; $M_{\phi\phi}$-0.48±.06; $M_{r\theta}$1.56±.16; $M_{\theta\phi}$-0.59±.03; $M_{\phi r}$0.10±.11; Best double couple: NP1:ϕ_s219.00000°,δ24.00000° ,λ55.00000°. NP2:ϕ_s77.00000°,δ71.00000°,λ105.00000°. Principal axes:
T 2.1700,Plg62.0000°,Azm9.0000°; N -0.2650,Plg14.0000°,Azm252.0000° ; P -1.9000,Plg24.0000°,Azm156.0000° $M_0$2.03500×10^{17}

(12) Alaska Peninsula

ISC	**VII**	**30 03 52 14.2–.24**	**55.35N–.03**	**157.12W–.02**	**27–1**	**5.5b,5.2s**	**1584**	**1-164**
IDC	VII	30 03 52 10.4–.40	55.44N	157.18W	0	5.2b,5.1		**¶620883706**
PTWC	VII	30 03 52 11	55.30N	156.90W	10	5.4,5.1		
MOS	VII	30 03 52 12.8–.75	55.53N	157.29W	21	5.8b,5.0s		
BJI	VII	30 03 52 12.2	55.60N	157.10W	30	5.7s,5.6b		
NEIC	VII	30 03 52 12.5	55.35N	157.01W	13	5.7s,5.6b		
NEIC	VII	30 03 52 13.6	55.35N	156.98W	21	5.7s,5.6b		
NEIC	VII	30 03 52 13.5	55.38N	156.99W	20	5.7s,5.6b		
GFZ	VII	30 03 52 13.4–.13	56N–3.0	157W–2.0	10	5.9b,5.5b		
BGR	VII	30 03 52 13.7	55.24N	157.97W	33	5.5b,4.9s		
NEIC	VII	30 03 52 13.8–1.7	55.37N–.04	157.02W–.03	21–1	5.6b,5.5L		
GFZ	VII	30 03 52 14.7	55.50N	157.21W	21	5.4W,5.5L		
IPGP	VII	30 03 52 15.0	55.35N	156.98W	25	5.5W,5.5L		
AEIC	VII	30 03 52 15.5–2.7	55.33N–.05	156.96W–.08	43–4	5.5W,5.5L		
GCMT	VII	30 03 52 17.2–.10	55.25N–.01	156.79W–.01	34–0	5.5W,5.5L		
NEIC	VII	30 03 52 21.4	55.38N	156.99W	20	5.5,5.5L		

ISC Event type ke.
IDC Error ellipse: s-maj=11.1km s-min=7.0km az=171.0.
MOS Error ellipse: s-maj=10.4km s-min=4.5km az=101.5.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.5km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.29 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.25 $M_{r\theta}$1.05 $M_{\theta\phi}$-0.06 $M_{\phi r}$0.46 NP1:ϕ_s64.52000°,δ84.72000°,λ95.81000°. NP2:ϕ_s196.66000°,δ7.85000° ,λ42.41000°. Principal axes: T 1.2593,Plg50.0000°,Azm341.0000°; N -0.1651,Plg6.0000° ,Azm244.0000°; P -1.0942,Plg39.0000°,Azm149.0000° $M_0$1.19000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$0.36 $M_{r\theta}$1.13 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.39 NP1:ϕ_s73.06000°,δ65.10000°,λ81.75000°. NP2:ϕ_s272.07000°,δ26.15000° ,λ107.19000°. Principal axes: T 1.6856,Plg69.0000°,Azm327.0000°; N 0.3859,Plg7.0000° ,Azm77.0000°; P -2.0715,Plg20.0000°,Azm169.0000° $M_0$1.91000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.92 $M_{\phi\phi}$-0.06 $M_{r\theta}$1.06 $M_{\theta\phi}$-0.37 $M_{\phi r}$0.17 NP1: ϕ_s77.98214°,δ68.31363°,λ96.43726°. NP2:ϕ_s241.00326°,δ22.57736°,λ74.25537°.
Principal axes: T 1.4521,Plg66.0937°,Azm359.2637°; N 0.0535,Plg5.9799°,Azm255.5947° ; P -1.5056,Plg23.0554°,Azm163.0395° $M_0$1.47955×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s234.00000°,δ25.00000°,λ83.00000°. NP2:ϕ_s61.00000° ,δ66.00000°,λ93.00000°.
AEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.4km az=167.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107300352A. Moment Tensor Solution. s120,c219; s139,c261;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.26±.03 $M_{\theta\theta}$-1.21±.02; $M_{\phi\phi}$-0.05±.02; $M_{r\theta}$1.42±.04; $M_{\theta\phi}$-0.70±.02; $M_{\phi r}$0.47±.03; Best double couple: NP1: ϕ_s237.00000°,δ22.00000°,λ78.00000°. NP2:ϕ_s70.00000°,δ69.00000°,λ95.00000°.
Principal axes: T 1.9180,Plg66.0000°,Azm349.0000°; N 0.2580,Plg5.0000°,Azm249.0000° ; P -2.1820,Plg23.0000°,Azm157.0000° $M_0$2.05000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$0.09 $M_{r\theta}$1.84 $M_{\theta\phi}$-0.52 $M_{\phi r}$0.60 NP1:ϕ_s229.50000°,δ12.26000° ,λ67.83000°. NP2:ϕ_s72.13000°,δ78.66000°,λ94.69000°. Principal axes:
T 1.9480,Plg56.0000°,Azm348.0000°; N 0.3213,Plg5.0000°,Azm251.0000° ; P -2.2693,Plg33.0000°,Azm158.0000° $M_0$2.13000×10^{17}

(110) Peru-Ecuador border region

ISC	**VII**	**30 17 10 18.8–.21**	**5.00S–.02**	**80.70W–.03**	**34–0**	**6.3b,6.0s**	**2304**	**1-178**
BJI	VII	30 17 10 18.2	5.00S	80.65W	30	6.3s,6.3		**¶620913674**
MOS	VII	30 17 10 18.3–.83	4.95S	80.73W	35	6.3b,5.7s		
ISC-P	VII	30 17 10 19	4.92S	80.62W	48–0	6.7,5.7s		
NEIC	VII	30 17 10 19.6	4.92S	80.61W	34	6.7,5.7s		
NEIC	VII	30 17 10 19.6–1.6	4.92S–.05	80.62W–.03	34–1	6.4b,6.1		
IPGP	VII	30 17 10 19.0	4.92S	80.61W	42	6.1W,6.1		
NEIC	VII	30 17 10 19.6	4.91S	80.62W	34	6.1W,6.1		
GFZ	VII	30 17 10 20.8–.15	5S–1.0	81W–2.0	37–1	6.6b,6.4		
CATAC	VII	30 17 10 20.4–.30	5S–2.0	81W–5.0	33	6.9,6.5b		
IDC	VII	30 17 10 20.3–.38	4.81S	80.70W	41–2	5.8s,5.7		
GFZ	VII	30 17 10 20.5	4.90S	80.62W	36	6.2W,5.7		
VAO	VII	30 17 10 20.1–.22	4.92S	80.58W	36–1	6.1b,5.7		
GCMT	VII	30 17 10 21.9–.10	5.03S	80.73W	44–0	6.2W,5.7		
PTWC	VII	30 17 10 22	4.90S	80.50W	46	6.2,5.7		
UPA	VII	30 17 10 22.2–2.3	4.93S	80.60W	33	6.4W,5.7		
NEIC	VII	30 17 10 28.9	5.01S	80.82W	40	6.2,5.7		
BGR	VII	30 17 10 44.1	2.00S	76.28W	41–1	5.9b,5.6s		

ISC Event type ke.
MOS Error ellipse: s-maj=10.4km s-min=7.4km az=92.3.
ISC-P Moment Tensor Solution. s30 Moment tensor: Scale 10^{19}Nm; M_{rr}0.50±.14 $M_{\theta\theta}$0.18±.17; $M_{\phi\phi}$-0.76±.14; $M_{r\theta}$-0.15±.23; $M_{\theta\phi}$0.07±.26; $M_{\phi r}$-0.20±.12; NP1:ϕ_s213.70000°,δ48.10000° ,λ123.00000°. NP2:ϕ_s349.50000°,δ51.40000°,λ58.80000°. $M_0$1.35000×10^{19}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.3km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-0.94 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.24 $M_{\phi r}$1.15 NP1:ϕ_s10.05000°,δ69.89000°,λ87.15000°. NP2:ϕ_s198.29000°,δ20.31000° ,λ97.74000°. Principal axes: T 1.5205,Plg65.0000°,Azm275.0000°; N 0.0212,Plg3.0000° ,Azm11.0000°; P -1.5416,Plg25.0000°,Azm102.0000° $M_0$1.53000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s237.00000°,δ20.00000°,λ115.00000°. NP2:ϕ_s31.00000° ,δ72.00000°,λ81.00000°.
NEIC Event type se.
GFZ Error ellipse: s-maj=4.5km s-min=2.3km az=73.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
CATAC Event type se. Error ellipse: s-maj=10.0km s-min=4.6km az=87.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.65 $M_{\theta\phi}$-1.02 $M_{\phi r}$2.00 NP1:ϕ_s22.31467° ,δ76.39554°,λ70.25226°. NP2:ϕ_s259.08116°,δ23.82520°,λ144.38768°. Principal axes: T 2.4700,Plg54.4071°,Azm268.0788°; N 0.0917,Plg19.1717°,Azm27.1414° ; P -2.5617,Plg28.7197°,Azm128.1237° $M_0$2.51709×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.65 $M_{\theta\phi}$-1.02 $M_{\phi r}$2.00 NP1: ϕ_s22.31345°,δ76.38878°,λ70.25163°. NP2:ϕ_s259.06805°,δ23.82941°,λ144.37452°.
Principal axes: T 2.4698,Plg54.4130°,Azm268.0730°; N 0.0921,Plg19.1717°,Azm27.1426° ; P -2.5620,Plg28.7130°,Azm128.1219° $M_0$2.51718×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-0.41 $M_{r\theta}$0.55 $M_{\theta\phi}$-1.05 $M_{\phi r}$1.77 NP1: ϕ_s22.54671°,δ74.20879°,λ68.52368°. NP2:ϕ_s257.87561°,δ26.43383°,λ142.31582°.
Principal axes: T 2.2724,Plg55.6499°,Azm265.2363°; N 0.1276,Plg20.6280°,Azm28.6579° ; P -2.4000,Plg26.1518°,Azm129.3094° $M_0$2.33881×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-0.41 $M_{r\theta}$0.55 $M_{\theta\phi}$-1.05 $M_{\phi r}$1.77 NP1: ϕ_s22.55159°,δ74.21896°,λ68.52230°. NP2:ϕ_s257.89920°,δ26.42914°,λ142.33629°.
Principal axes: T 2.2731,Plg55.6402°,Azm265.2466°; N 0.1273,Plg20.6304°,Azm28.6594° ; P -2.4004,Plg26.1612°,Azm129.3167° $M_0$2.33938×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.79 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$0.04 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.75 $M_{\phi r}$1.63 NP1: ϕ_s25.25386°,δ77.87674°,λ65.23793°. NP2:ϕ_s270.75578°,δ27.40148°,λ152.84916°.
Principal axes: T 2.0946,Plg50.9208°,Azm267.2132°; N -0.1320,Plg24.1741°,Azm30.7690° ; P -1.9626,Plg28.6376°,Azm134.9577° $M_0$2.03187×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.79 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$0.04 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.75 $M_{\phi r}$1.63 NP1: ϕ_s25.23613°,δ77.87710°,λ65.23622°. NP2:ϕ_s270.75836°,δ27.40284°,λ152.85137°.
Principal axes: T 2.0946,Plg50.9197°,Azm267.2122°; N -0.1320,Plg24.1757°,Azm30.7695° ; P -1.9626,Plg28.6374°,Azm134.9592° $M_0$2.03182×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$0.15 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.73 $M_{\phi r}$1.54 NP1: ϕ_s27.29245°,δ77.57964°,λ63.02717°. NP2:ϕ_s274.38265°,δ29.49909°,λ154.10040°.
Principal axes: T 2.0219,Plg50.1323°,Azm267.2706°; N -0.1339,Plg26.2924°,Azm33.5393° ; P -1.8879,Plg27.6037°,Azm138.5104° $M_0$1.95834×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$0.15 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.73 $M_{\phi r}$1.54 NP1: ϕ_s27.23340°,δ77.62662°,λ62.94434°. NP2:ϕ_s274.47325°,δ29.55542°,λ154.25196°.
Principal axes: T 2.0218,Plg50.0511°,Azm267.1737°; N -0.1345,Plg26.3779°,Azm33.4792° ; P -1.8873,Plg27.6182°,Azm138.5175° $M_0$1.95798×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.74 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$0.25 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.67 $M_{\phi r}$1.49 NP1: ϕ_s28.26284°,δ77.32163°,λ60.17355°. NP2:ϕ_s277.31499°,δ32.17956°,λ155.66271°.
Principal axes: T 2.0028,Plg48.9100°,Azm265.9116°; N -0.2330,Plg29.0287°,Azm35.4347° ; P -1.7698,Plg26.3139°,Azm141.3638° $M_0$1.89706×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.71 $M_{\theta\theta}$-0.91 $M_{\phi\phi}$0.19 $M_{r\theta}$0.46 $M_{\theta\phi}$-0.73 $M_{\phi r}$1.52 NP1: ϕ_s26.90240°,δ78.05835°,λ61.75750°. NP2:ϕ_s275.83525°,δ30.47078°,λ155.91837°.
Principal axes: T 1.9955,Plg49.0917°,Azm266.1743°; N -0.1406,Plg27.5785°,Azm33.2445° ; P -1.8549,Plg27.5896°,Azm139.0836° $M_0$1.92904×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$-0.20 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.32 NP1: ϕ_s26.59648°,δ76.43985°,λ73.11136°. NP2:ϕ_s258.91868°,δ21.53434°,λ140.29985°.
Principal axes: T 1.6717,Plg55.4409°,Azm275.3651°; N -0.0124,Plg16.4044°,Azm30.6682° ; P -1.6592,Plg29.4693°,Azm130.2442° $M_0$1.66548×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.85 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$0.04 $M_{r\theta}$0.46 $M_{\theta\phi}$-0.59 $M_{\phi r}$1.61 NP1: ϕ_s26.98028°,δ77.28819°,λ66.75111°. NP2:ϕ_s269.85870°,δ26.32689°,λ150.25309°.
Principal axes: T 2.1073,Plg52.1259°,Azm269.9388°; N -0.2911,Plg22.6469°,Azm32.3807° ; P -1.8162,Plg28.5658°,Azm135.5102° $M_0$1.97785×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$0.18 $M_{r\theta}$0.48 $M_{\theta\phi}$-0.71 $M_{\phi r}$1.49 NP1: ϕ_s27.61194°,δ77.72078°,λ62.31274°. NP2:ϕ_s275.54889°,δ30.08997°,λ154.90004°.
Principal axes: T 1.9706,Plg49.6586°,Azm267.1116°; N -0.1310,Plg27.0016°,Azm33.9796° ; P -1.8396,Plg27.4795°,Azm139.3483° $M_0$1.90847×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$0.18 $M_{r\theta}$0.48 $M_{\theta\phi}$-0.71 $M_{\phi r}$1.56 NP1: ϕ_s26.66577°,δ78.38353°,λ62.79136°. NP2:ϕ_s275.27758°,δ29.40962°,λ155.79147°.
Principal axes: T 2.0367,Plg49.3203°,Azm266.9296°; N -0.1600,Plg26.6069°,Azm32.5762° ; P -1.8767,Plg28.2683°,Azm138.2021° $M_0$1.96158×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.87 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-0.01 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.74 NP1: ϕ_s24.78571°,δ78.25559°,λ68.68636°. NP2:ϕ_s267.23456°,δ24.20254°,λ150.23140°.
Principal axes: T 2.2301,Plg52.0812°,Azm270.0635°; N -0.3426,Plg20.8464°,Azm29.3263° ; P -1.8875,Plg30.0678°,Azm132.0619° $M_0$2.08005×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.88 $M_{\phi\phi}$0.15 $M_{r\theta}$0.47 $M_{\theta\phi}$-0.73 $M_{\phi r}$1.57 NP1: ϕ_s26.14806°,δ78.20910°,λ63.13599°. NP2:ϕ_s274.17866°,δ29.16047°,λ155.20525°.
Principal axes: T 2.0451,Plg49.6388°,Azm266.5842°; N -0.1543,Plg26.2533°,Azm32.0575° ; P -1.8908,Plg28.2290°,Azm137.4115° $M_0$1.97245×10^{18}
IDC Error ellipse: s-maj=13.4km s-min=7.4km az=57.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}1.12 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.65 $M_{\phi r}$2.03 NP1: ϕ_s18.87513°,δ76.95344°,λ75.21216°. NP2:ϕ_s248.34016°,δ19.62354°,λ137.76475°.
Principal axes: T 2.5049,Plg55.6557°,Azm270.2176°; N -0.2599,Plg14.3978°,Azm22.2855° ; P -2.2450,Plg30.4252°,Azm120.9568° $M_0$2.38560×10^{18}
VAO Event type se. Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107301710A. Moment Tensor Solution.
s162,c383; s165,c526;Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.12±.01 $M_{\theta\theta}$-0.69±.01; $M_{\phi\phi}$-0.43±.01; $M_{r\theta}$0.57±.01; $M_{\theta\phi}$-0.94±.01; $M_{\phi r}$1.68±.02; Best double couple: NP1:ϕ_s255.00000°,δ25.00000°,λ138.00000°. NP2:ϕ_s24.00000°,δ74.00000°,λ71.00000°.
Principal axes: T 2.1950,Plg57.0000°,Azm269.0000°; N 0.0740,Plg18.0000°,Azm30.0000° ; P -2.2710,Plg26.0000°,Azm129.0000° $M_0$2.23300×10^{18}
PTWC PERU-ECUADOR BORDER REGION.
UPA Event type se. Error ellipse: s-maj=83.6km s-min=39.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 6s2 Moment tensor: Scale 10^{18}Nm; M_{rr}1.30 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-0.63 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.72 $M_{\phi r}$1.59 NP1:ϕ_s244.00000°,δ24.28000° ,λ128.79000°. NP2:ϕ_s22.59000°,δ71.31000°,λ74.22000°. Principal axes:
T 2.2006,Plg61.0000°,Azm270.0000°; N -0.1698,Plg15.0000°,Azm28.0000° ; P -2.0308,Plg25.0000°,Azm125.0000° $M_0$2.12000×10^{18}
BGR Event type ke.

(173) Tonga Islands

ISC	**VII**	**30 22 39 15.6–.23**	**16.71S–.05**	**173.59W–.05**	**10**	**5.3b,4.2s**	**693**	**3-174**
IDC	VII	30 22 39 14.0–.39	16.75S	173.62W	0	4.9b,4.8		**¶620923871**
BJI	VII	30 22 39 14.8	16.02S	173.26W	6	5.5b,5.3s		
MOS	VII	30 22 39 15.4–1.1	16.70S	173.78W	10	5.2b,5.3s		
GFZ	VII	30 22 39 16.3–.12	17S–3.0	174W–3.0	10	5.1b,5.1		
NEIC	VII	30 22 39 16.4–1.4	16.73S–.09	173.6W–.10	10–1	5.3b,5.1		
BGR	VII	30 22 39 22.6	16.01S	173.41W	33	5.3b,5.1		
GCMT	VII	30 22 39 25.3–.30	16.66S–.02	174.20W–.02	12	5.2W,5.1		
NOU	VII	30 22 39 27.8	16.90S	173.66W	114	5.2b,5.1		

ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=13.8km az=137.0.
MOS Error ellipse: s-maj=14.2km s-min=11.1km az=104.1.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=13.8km az=117.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107302239A. Moment Tensor Solution. s16,c18; s112,c160; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.70±.12 $M_{\theta\theta}$1.90±.10; $M_{\phi\phi}$-0.20±.09; $M_{r\theta}$0.16±.32; $M_{\theta\phi}$0.79±.10; $M_{\phi r}$8.78±.25; Best double couple: NP1:ϕ_s69.00000°,δ7.00000° ,λ-24.00000°. NP2:ϕ_s183.00000°,δ87.00000°,λ-96.00000°. Principal axes:
T 2.9400,Plg42.0000°,Azm279.0000°; N 1.8350,Plg6.0000°,Azm183.0000° ; P -9.7790,Plg47.0000°,Azm87.0000° $M_0$8.85900×10^{16}
NOU Tonga Islands.

(49) Gulf of California

ISC	**VII**	**31 15 39 20.9–.60**	**27.54N–.02**	**111.44W–.02**	**4–3**	**5.3s,5.0b**	**509**	**1-143**
MEX	VII	31 15 39 18.3–.58	27.57N	111.43W	10	5.5,5.0b		**¶620925370**
NEIC	VII	31 15 39 20.9–2.5	27.59N–.06	111.50W–.04	10–1	5.5,5.4		
NEIC	VII	31 15 39 20.9	27.59N	111.50W	10	5.5,5.4		
IDC	VII	31 15 39 21.9–.44	27.79N	111.18W	0	5.1s,4.8b		
PTWC	VII	31 15 39 21	27.60N	111.50W	10	5.6,4.8b		
NEIC	VII	31 15 39 21	27.62N	111.51W	10	5.6,4.8b		
NEIC	VII	31 15 39 21.6	27.54N	111.52W	10	5.6,4.8b		
MOS	VII	31 15 39 22.7–1.3	27.82N	111.30W	11	5.5s,5.3b		
GFZ	VII	31 15 39 23.1–.15	28N–2.0	111W–3.0	10	5.1b,5.0		
GFZ	VII	31 15 39 23.1	27.55N	111.38W	16	5.5W,5.0		
GCMT	VII	31 15 39 24.1–.10	27.71N–.01	111.51W–.01	15–0	5.5W,5.0		
NEIC	VII	31 15 39 30.2	27.54N	111.52W	12	5.5,5.0		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.1km az=346.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.18 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$1.38 $M_{r\theta}$0.17 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.40 NP1:ϕ_s37.29000°,δ89.42000°,λ17.44000°. NP2:ϕ_s307.11000°,δ72.56000° ,λ179.39000°. Principal axes: T 1.5110,Plg13.0000°,Azm264.0000°; N -0.2214,Plg73.0000° ,Azm39.0000°; P -1.2897,Plg12.0000°,Azm171.0000° $M_0$1.41000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$1.53 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.48 $M_{\phi r}$-0.43 NP1:ϕ_s216.97000°,δ80.49000°,λ10.27000°. NP2:ϕ_s125.26000°,δ79.88000° ,λ170.34000°. Principal axes: T 1.7116,Plg14.0000°,Azm81.0000°; N -0.1567,Plg76.0000° ,Azm259.0000°; P -1.5550,Plg0.0000°,Azm351.0000° $M_0$1.64000×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=12.5km s-min=8.6km az=66.0.
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=10.9km s-min=6.8km az=105.4.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39 $M_{\theta\theta}$-1.65 $M_{\phi\phi}$2.04 $M_{r\theta}$-1.18 $M_{\theta\phi}$-0.58 $M_{\phi r}$-0.34 NP1:

ϕ_s130.68017°,δ65.69399°,λ-160.38445°. NP2:ϕ_s32.33476°,δ72.18466°,λ-25.61627°.
Principal axes: T 2.1393,Plg4.2847°,Azm82.5883°; N 0.3193,Plg59.1453°,Azm179.7927°
; P -2.4587,Plg30.4902°,Azm350.0598° $M_0$2.31555×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107311539A. Moment Tensor Solution. s121,c197; s161,c334;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.02 $M_{\theta\theta}$-2.28±.03; $M_{\phi\phi}$2.54±.03; $M_{r\theta}$-0.24±.05; $M_{\theta\phi}$-0.73±.02; $M_{r\phi}$0.10±.05; Best double couple: NP1:ϕ_s36.00000° ,δ84.00000°,λ-2.00000°. NP2:ϕ_s127.00000°,δ88.00000°,λ-174.00000°. Principal axes: T 2.6540,Plg3.0000°,Azm261.0000°; N -0.2430,Plg84.0000°,Azm147.0000° ; P -2.4110,Plg6.0000°,Azm352.0000° $M_0$2.53300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07 $M_{\theta\theta}$-2.32 $M_{\phi\phi}$2.39 $M_{r\theta}$-0.28 $M_{\theta\phi}$-0.76 $M_{r\phi}$0.72 NP1:ϕ_s37.06000°,δ76.27000° ,λ7.89000°. NP2:ϕ_s305.18000°,δ82.33000°,λ166.14000°. Principal axes: T 2.7119,Plg15.0000°,Azm261.0000°; N -0.2620,Plg74.0000°,Azm97.0000° ; P -2.4499,Plg4.0000°,Azm352.0000° $M_0$2.59000×10^{17}

(369) Dodecanese Islands

ISC	VIII	01 04 31 27.5–.38	36.36N–.02	27.04E–.01	17–2	5.5b,5.3s	1896 0-167
BJI	VIII	01 04 31 20.8	36.15N	26.40E	14	5.8b,5.6s	¶621366986
ISK	VIII	01 04 31 25.7	36.39N	26.97E	10–0	5.5L,5.6s	
MOS	VIII	01 04 31 25.0–1.1	36.33N	27.07E	10	5.5b,5.3s	
ISC-P	VIII	01 04 31 26	36.40N	27.01E	7–0	5.7,5.3s	
GII	VIII	01 04 31 26.8–.00	36.181N–.00	27.189E–.00	0	5.5,5.3s	
ATH	VIII	01 04 31 26.8	36.38N	27.09E	16–1	5.3L,5.3s	
NEIC	VIII	01 04 31 26.8	36.39N	27.02E	9	5.3L,5.3s	
NAO	VIII	01 04 31 26.2	36.39N	27.04E	10	5.7b,5.3s	
PDG	VIII	01 04 31 26.9–.81	36.35N	27.04E	18–1	5.7,5.6L	
NEIC	VIII	01 04 31 27.0–1.9	36.40N–.04	27.01E–.05	10–1	5.6b,5.5	
MCSM	VIII	01 04 31 26.3–.20	36N–2.0	27E–2.0	10	5.7,5.6b	
PTWC	VIII	01 04 31 27	36.10N	27.10E	10	5.8,5.6b	
GFZ	VIII	01 04 31 27.1–.09	36N–2.0	27E–1.0	10	5.9b,5.4	
MED_R	VIII	01 04 31 27.0	36.37N	27.10E	10	5.6W,5.4	
THE	VIII	01 04 31 27.4	36N–1.0	27E–1.0	14–2	5.8,5.8	
NEIC	VIII	01 04 31 27.1	36.39N	27.02E	11	5.8,5.8	
AFAD	VIII	01 04 31 27.8	36.38N	27.08E	11–1	5.5W,5.8	
IPGP	VIII	01 04 31 27.0	36.39N	27.02E	7	5.5W,5.8	
GFZ	VIII	01 04 31 27.1	36.36N	27.05E	10	5.5W,5.8	
IDC	VIII	01 04 31 28.4–1.3	36.33N	27.04E	24–8	5.1s,5.0b	
GCMT	VIII	01 04 31 28.8–.10	36.24N–.01	27.00E–.01	12	5.6W,5.0b	
NEIC	VIII	01 04 31 34.5	36.39N	27.02E	14	5.6,5.0b	
BGR	VIII	01 04 31 36.6–2.8	37.07N	26.54E	10	4.7b,5.0b	

ISC Event type ke.
ISK Event type ke.
MOS Error ellipse: s-maj=4.1km s-min=2.5km az=88.4.
ISC-P Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56±.06 $M_{\theta\theta}$0.48±.09; $M_{\phi\phi}$0.07±.10; $M_{r\theta}$-0.02±.12; $M_{\theta\phi}$-0.39±.09; $M_{r\phi}$0.28±.21; NP1:ϕ_s265.90000°,δ40.80000° ,λ310.30000°. NP2:ϕ_s37.70000°,δ60.10000°,λ-119.10000°. $M_0$4.42000×10^{17}
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/01 04:32:45, This location: 2021/11/27 14:38:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se.
NAO Event type se. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.17 $M_{\theta\theta}$0.45 $M_{\phi\phi}$1.73 $M_{r\theta}$0.72 $M_{\theta\phi}$1.49 $M_{r\phi}$-0.40 NP1:ϕ_s12.42000°,δ48.46000°,λ-120.68000°. NP2:ϕ_s234.24000°,δ49.93000° ,λ-60.06000°. Principal axes: T 2.7126,Plg1.0000°,Azm304.0000°; N -0.1998,Plg22.0000° ,Azm34.0000°; P -2.5128,Plg68.0000°,Azm212.0000° $M_0$2.62000×10^{17}
GFZ Error ellipse: s-maj=3.5km s-min=2.5km az=32.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17} Nm; M_{rr}-2.23±.05 $M_{\theta\theta}$0.29±.05; $M_{\phi\phi}$0.00±.04; $M_{r\theta}$0.20±.20; $M_{\theta\phi}$1.76±.04; $M_{r\phi}$-1.07±.18; NP1: ϕ_s234.00000°,δ41.00000°,λ-56.00000°. NP2:ϕ_s13.00000°,δ57.00000°,λ-116.00000°. Principal axes: T 3.1800,Plg9.0000°,Azm121.0000°; N -0.5400,Plg22.0000°,Azm27.0000° ; P -2.6400,Plg67.0000°,Azm231.0000° $M_0$2.91000×10^{17}
NEIC Event type se.
AFAD Event type se. Presumed earthquake.
IPGP Moment Tensor Solution. NP1:ϕ_s8.00000°,δ53.00000°,λ-120.00000°. NP2:ϕ_s231.00000° ,δ46.00000°,λ-57.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.36 $M_{\theta\theta}$0.50 $M_{\phi\phi}$1.85 $M_{r\theta}$0.22 $M_{\theta\phi}$1.09 $M_{r\phi}$0.26 NP1: ϕ_s210.71183°,δ48.98179°,λ-87.93750°. NP2:ϕ_s27.57099°,δ41.06087°,λ-92.36925°. Principal axes: T 2.4846,Plg3.9619°,Azm299.2501°; N -0.1040,Plg1.5560°,Azm29.3579° ; P -2.3806,Plg85.7426°,Azm140.7592° $M_0$2.43428×10^{17}
IDC Error ellipse: s-maj=7.5km s-min=6.1km az=173.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108010431A. Moment Tensor Solution. s129,c233; s148,c327;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.42±.03 $M_{\theta\theta}$0.18±.03; $M_{\phi\phi}$2.24±.03; $M_{r\theta}$0.72±.08; $M_{\theta\phi}$1.70±.03; $M_{r\phi}$-0.48±.08; Best double couple: NP1: ϕ_s231.00000°,δ49.00000°,λ-59.00000°. NP2:ϕ_s8.00000°,δ50.00000°,λ-121.00000°. Principal axes: T 3.1990,Plg1.0000°,Azm119.0000°; N -0.4060,Plg23.0000°,Azm29.0000° ; P -2.7890,Plg67.0000°,Azm211.0000° $M_0$2.99400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.75 $M_{\theta\theta}$0.40 $M_{\phi\phi}$2.35 $M_{r\theta}$1.95 $M_{\theta\phi}$1.74 $M_{r\phi}$-0.58 NP1:ϕ_s4.07000°,δ47.70000° ,λ-132.96000°. NP2:ϕ_s238.22000°,δ57.23000°,λ-53.17000°. Principal axes: T 3.4088,Plg5.0000°,Azm303.0000°; N 0.5448,Plg30.0000°,Azm36.0000° ; P -3.9536,Plg59.0000°,Azm204.0000° $M_0$3.71000×10^{17}
BGR Event type ke. Error ellipse: s-maj=50.0km s-min=46.7km az=159.0.

(177) Kermadec Islands region

ISC	VIII	02 01 27 39.5–.37	30.52S–.04	177.68W–.04	31–2	5.4b,5.3s	873 1-170
NOU	VIII	02 01 27 30.3	30.60S	176.88W	0	5.5b,5.3s	¶621237406
BJI	VIII	02 01 27 35.3	30.04S	177.11W	13	5.5b,5.3s	
MOS	VIII	02 01 27 36.0–1.0	30.46S	177.81W	14	5.5b,5.3s	
IPGP	VIII	02 01 27 36.0	30.42S	177.82W	41	5.7W,5.3s	
NEIC	VIII	02 01 27 37	30.42S	177.82W	10	5.7W,5.3s	
GFZ	VIII	02 01 27 37.7	30.45S	177.78W	31	5.6W,5.3s	
GFZ	VIII	02 01 27 39.5–.49	30S–3.0	178W–3.0	24–3	5.5,5.4b	
NEIC	VIII	02 01 27 40.3–1.8	30.46S–.08	177.8W–.10	32–3	5.4b,5.3	
IDC	VIII	02 01 27 42.5–.52	30.34S	177.79W	55–4	5.1s,4.9	
NEIC	VIII	02 01 27 42.3	30.52S	177.24W	40	5.6,4.9	
GCMT	VIII	02 01 27 45.5–.10	30.47S–.01	177.50W–.01	37–0	5.7W,4.9	

ISC Event type se.
NOU Kermadec Islands Region.
IPGP Moment Tensor Solution. NP1:ϕ_s212.00000°,δ35.00000°,λ107.00000°. NP2:ϕ_s12.00000° ,δ57.00000°,λ78.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.31 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-2.42 $M_{r\theta}$0.10 $M_{\theta\phi}$-0.67 $M_{r\phi}$1.93 NP1: ϕ_s202.35722°,δ26.59355°,λ104.17389°. NP2:ϕ_s6.58572°,δ64.27639°,λ83.01126°. Principal axes: T 3.0061,Plg69.9183°,Azm262.0743°; N 0.2325,Plg6.2932°,Azm9.6313° ; P -3.2387,Plg18.9893°,Azm101.8062° $M_0$3.12889×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.28 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-2.77 $M_{r\theta}$0.16 $M_{\theta\phi}$-1.09 $M_{r\phi}$1.53 NP1:ϕ_s208.30000°,δ33.07000° ,λ100.83000°. NP2:ϕ_s15.44000°,δ57.60000°,λ83.03000°. Principal axes: T 3.6432,Plg76.0000°,Azm264.0000°; N -0.1076,Plg6.0000°,Azm19.0000° ; P -3.5356,Plg12.0000°,Azm110.0000° $M_0$3.59000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108020127A. Moment Tensor Solution. s150,c313; s158,c314;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}3.90±.04 $M_{\theta\theta}$-0.24±.03; $M_{\phi\phi}$-3.67±.03; $M_{r\theta}$0.29±.04; $M_{\theta\phi}$-1.22±.03; $M_{r\phi}$2.50±.04; Best double couple: NP1: ϕ_s204.00000°,δ29.00000°,λ101.00000°. NP2:ϕ_s12.00000°,δ61.00000°,λ84.00000°. Principal axes: T 4.6520,Plg73.0000°,Azm267.0000°; N 0.1080,Plg5.0000°,Azm15.0000° ; P -4.7660,Plg16.0000°,Azm106.0000° $M_0$4.70900×10^{17}

(221) Kuril Islands

ISC	VIII	02 03 28 59.8–.21	44.09N–.03	148.40E–.03	39–2	5.5b,5.0s	1641 2-154
NIED	VIII	02 03 28 54.7	43.84N	148.43E	0	5.4W,5.0s	¶620925865
JMA	VIII	02 03 28 54.7–.39	44N–2.0	148E–2.0	0	5.5,5.4W	
GFZ	VIII	02 03 28 56.7	44.18N	148.39E	30	5.3W,5.4W	
BJI	VIII	02 03 28 57.5	44.08N	148.38E	35	5.6b,5.5b	
MOS	VIII	02 03 28 57.0–.95	44.15N	148.40E	26	5.8b,5.2s	
NEIC	VIII	02 03 28 58.9–1.8	44.16N–.07	148.31E–.09	29–1	5.4,5.4b	
SKHL	VIII	02 03 28 58.6–.50	44.10N	148.50E	44–5	6.3b,5.4b	
NEIC	VIII	02 03 28 59.8	44.17N	148.31E	35	6.3b,5.4b	
NEIC	VIII	02 03 28 59.8	44.17N	148.31E	35	6.3b,5.4b	
GFZ	VIII	02 03 29 00.3–.24	44N–2.0	148E–2.0	34–1	5.9b,5.7b	
NEIC	VIII	02 03 29 00.4	43.87N	148.87E	36	5.3,5.7b	
GCMT	VIII	02 03 29 01.8–.10	44.12N–.01	148.51E–.01	32–0	5.4W,5.7b	
IDC	VIII	02 03 29 01.0–1.1	44.19N	148.28E	42–8	5.2,5.0b	

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.78 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-0.50 $M_{r\theta}$0.62 $M_{\theta\phi}$-0.49 $M_{r\phi}$0.75 NP1:ϕ_s217.00000°,δ20.00000°,λ88.00000°. NP2:ϕ_s39.00000° ,δ70.00000°,λ91.00000°. $M_0$1.28000×10^{17}
JMA Event type fe. SE OFF ETOROFU .
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-0.59 $M_{r\theta}$0.08 $M_{\theta\phi}$-0.55 $M_{r\phi}$0.61 NP1: ϕ_s234.70722°,δ31.97610°,λ123.07710°. NP2:ϕ_s17.18926°,δ63.65709°,λ71.18517°. Principal axes: T 1.0036,Plg66.0063°,Azm253.0768°; N 0.1256,Plg16.7993°,Azm25.7867° ; P -1.1292,Plg16.6212°,Azm120.9574° $M_0$1.07197×10^{17}
MOS Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=116.3. Felt (III) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.2km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$-0.78 $M_{r\theta}$0.30 $M_{\theta\phi}$-0.89 $M_{r\phi}$0.22 NP1:ϕ_s45.09000°,δ52.18000°,λ95.22000°. NP2:ϕ_s216.62000°,δ38.12000° ,λ83.32000°. Principal axes: T 1.3583,Plg82.0000°,Azm342.0000°; N 0.2434,Plg4.0000° ,Azm222.0000°; P -1.6017,Plg7.0000°,Azm131.0000° $M_0$1.49000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ Error ellipse: s-maj=5.4km s-min=3.3km az=140.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.01 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.61 $M_{r\phi}$0.58 NP1:ϕ_s255.08000°,δ32.29000° ,λ116.88000°. NP2:ϕ_s44.13000°,δ61.55000°,λ74.06000°. Principal axes: T 1.2532,Plg69.0000°,Azm281.0000°; N 0.1075,Plg14.0000°,Azm52.0000° ; P -1.3607,Plg15.0000°,Azm146.0000° $M_0$1.31000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108020328B. Moment Tensor Solution. s115,c207; s142,c278;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.02 $M_{\theta\theta}$-0.41±.02; $M_{\phi\phi}$-0.63±.02; $M_{r\theta}$0.38±.02; $M_{\theta\phi}$-0.74±.01; $M_{r\phi}$0.72±.02; Best double couple: NP1: ϕ_s231.00000°,δ29.00000°,λ107.00000°. NP2:ϕ_s32.00000°,δ63.00000°,λ81.00000°. Principal axes: T 1.3220,Plg71.0000°,Azm282.0000°; N 0.1970,Plg8.0000°,Azm36.0000° ; P -1.5150,Plg17.0000°,Azm129.0000° $M_0$1.41800×10^{17}
IDC Error ellipse: s-maj=11.5km s-min=9.2km az=141.0.

(196) Irian Jaya region

ISC	VIII	02 05 01 20.7–.17	4.57S–.02	134.06E–.03	9	6.1s,5.5b	1206 1-169
BJI	VIII	02 05 01 15.5	4.81S	134.43E	10	6.0s,5.9	¶620925870
IDC	VIII	02 05 01 18.9–.36	4.41S	134.04E	0	5.8s,5.0L	
ISC-P	VIII	02 05 01 19	4.50S	133.96E	9–0	6.0,5.0L	
MOS	VIII	02 05 01 19.5–1.2	4.57S	133.98E	19	5.7s,5.7b	
NEIC	VIII	02 05 01 20.0–.83	4.50S–.06	133.96E–.06	10–1	6.1,6.0	
NEIC	VIII	02 05 01 20	4.50S	133.96E	10	6.1,6.0	
NEIC	VIII	02 05 01 20.2	4.48S	133.98E	10	6.1,6.0	
IPGP	VIII	02 05 01 20.0	4.52S	133.99E	14	6.1W,6.0	
PTWC	VIII	02 05 01 21	4.50S	134.00E	10	6.2,6.0	
DJA	VIII	02 05 01 21.5–.10	5S–1.0	134E–1.0	10	6.1b,6.1	
GFZ	VIII	02 05 01 22.8–.13	5S–2.0	134E–2.0	10	5.7,5.5b	
GFZ	VIII	02 05 01 22.8	4.71S	133.99E	14	6.0W,5.5b	
GCMT	VIII	02 05 01 25.7–.00	4.33S	134.00E	12	6.0W,5.5b	
NEIC	VIII	02 05 01 26.6	4.40S	133.96E	26	6.0,5.5b	

ISC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=9.1km az=83.0.
ISC-P Moment Tensor Solution. s52 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12±.17 $M_{\theta\theta}$-0.26±.20; $M_{\phi\phi}$0.41±.16; $M_{r\theta}$0.24±.14; $M_{\theta\phi}$-0.24±.16; $M_{r\phi}$0.51±.13; NP1:ϕ_s346.80000°,δ75.30000° ,λ207.10000°. NP2:ϕ_s249.40000°,δ63.90000°,λ-16.40000°. $M_0$1.48000×10^{18}
MOS Error ellipse: s-maj=7.6km s-min=4.3km az=112.1.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=9.1km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$0.72 $M_{r\theta}$0.27 $M_{\theta\phi}$0.90 $M_{r\phi}$-0.33 NP1:ϕ_s343.97000°,δ80.84000°,λ-159.43000°. NP2:ϕ_s250.55000°,δ69.71000° ,λ-9.77000°. Principal axes: T 1.2046,Plg8.0000°,Azm116.0000°; N -0.0228,Plg68.0000° ,Azm7.0000°; P -1.1818,Plg21.0000°,Azm209.0000° $M_0$1.19000×10^{18}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s253.00000°,δ70.00000°,λ-9.00000°. NP2:ϕ_s346.00000° ,δ82.00000°,λ-160.00000°.
PTWC PAPUA REGION, INDONESIA.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.01 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$0.51 $M_{r\theta}$0.17 $M_{\theta\phi}$0.93 $M_{r\phi}$0.24 NP1: ϕ_s344.77691°,δ78.94150°,λ170.91719°. NP2:ϕ_s76.53328°,δ81.08723°,λ11.19540°. Principal axes: T 1.1349,Plg14.1927°,Azm300.8499°; N -0.0869,Plg75.7256°,Azm114.5867° ; P -1.0480,Plg1.4944°,Azm210.4719° $M_0$1.09401×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108020501A. Moment Tensor Solution. s167,c392; s164,c600;Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07±.01 $M_{\theta\theta}$-0.72±.01; $M_{\phi\phi}$0.78±.01; $M_{r\theta}$0.57±.01; $M_{\theta\phi}$1.09±.01; $M_{r\phi}$-0.20±.02; Best double couple: NP1:ϕ_s345.00000°,δ72.00000°,λ-166.00000°. NP2:ϕ_s251.00000°,δ77.00000°,λ-19.00000°. Principal axes: T 1.3670,Plg4.0000°,Azm299.0000°; N 0.1680,Plg67.0000°,Azm38.0000° ; P -1.5360,Plg22.0000°,Azm207.0000° $M_0$1.45100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$0.48 $M_{r\theta}$-0.23 $M_{\theta\phi}$1.16 $M_{r\phi}$-0.16 NP1:ϕ_s169.78000°,δ79.01000° ,λ176.64000°. NP2:ϕ_s260.42000°,δ86.70000°,λ11.01000°. Principal axes: T 1.3456,Plg10.0000°,Azm126.0000°; N -0.1620,Plg79.0000°,Azm277.0000° ; P -1.1836,Plg5.0000°,Azm35.0000° $M_0$1.27000×10^{18}

(266) Northern Molucca Sea

ISC	VIII	02 09 10 18.1–.60	1.40N–.04	126.10E–.03	10	4.2b	39 1-124
IDC	VIII	02 09 10 18.3–.93	1.24N	125.31E	0	4.0b,3.9	¶620993230
NEIC	VIII	02 09 10 18.9–2.4	1.29N–.07	125.87E–.07	10–1	4.0b,3.9	
DJA	VIII	02 09 10 21.7–.30	2N–3.0	126E–2.0	10	5.5b,5.0	

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(221) Kuril Islands

ISC	VIII	02 14 20 05.4–.40	44.73N–.05	149.51E–.04	42–3	4.7b,3.5s	417 1-152
MOS	VIII	02 14 20 03.9–1.1	44.68N	149.50E	46	4.9b,3.5s	¶620929566
SKHL	VIII	02 14 20 04.8–.90	44.70N	149.60E	55–4	5.7b,3.5s	
NIED	VIII	02 14 20 04.8	44.60N	149.42E	30	4.6W,3.5s	
JMA	VIII	02 14 20 04.8–.89	45N–3.0	149E–5.0	30	5.0,4.7	
NEIC	VIII	02 14 20 05.2–1.2	44.81N–.09	149.4E–.10	35–2	4.8b,4.7	
GFZ	VIII	02 14 20 06.0–.38	45N–6.0	149E–4.0	43–3	5.0,4.7b	
IDC	VIII	02 14 20 06.9–2.2	44.82N	149.35E	53–19	4.2,3.9b	

ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=6.2km az=87.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}6.54 $M_{\theta\theta}$-8.44 $M_{\phi\phi}$1.90 $M_{r\theta}$4.61 $M_{\theta\phi}$-0.94 $M_{r\phi}$-1.72 NP1:ϕ_s245.00000°,δ33.00000°,λ59.00000°. NP2:ϕ_s101.00000° ,δ63.00000°,λ109.00000°. $M_0$9.09000×10^{15}
JMA Event type ke. SE OFF ETOROFU .

NEIC Event type se. Error ellipse: s-maj=16.7km s-min=11.7km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=12.8km s-min=6.9km az=158.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=16.0km s-min=10.8km az=147.0.

(274) Southern Sumatera

ISC	**VIII**	**02 22 48 51.0–.36**	**3.20S–.03**	**100.25E–.03**	**19–1**	**6.2s,5.8b**	**2009**	**1-177**
IDC	VIII	02 22 48 47.4–.26	3.21S	100.22E	0	5.9s,5.3b		**¶620929668**
BJI	VIII	02 22 48 48.0	3.55S	100.34E	32	6.5s,6.3b		
MOS	VIII	02 22 48 48.1–1.0	3.09S	100.36E	10	6.2b,5.9s		
NEIC	VIII	02 22 48 49.2	3.21S	100.20E	10	6.2b,5.9s		
IPGP	VIII	02 22 48 49.0	3.19S	100.17E	21	6.2W,5.9s		
NEIC	VIII	02 22 48 49.2	3.23S	100.16E	10	6.2W,5.9s		
NEIC	VIII	02 22 48 50.8–1.6	3.21S–.06	100.20E–.02	20–1	6.2,6.0b		
GFZ	VIII	02 22 48 50.2–.26	3S–3.0	100E–3.0	10	6.0,5.9b		
ISC-P	VIII	02 22 48 50	3.21S	100.20E	28–11	6.5,5.9b		
GFZ	VIII	02 22 48 51.1	3.13S	100.27E	25	5.9W,5.9b		
DJA	VIII	02 22 48 52.1–.50	3S–1.0	100E–1.0	19–3	6.5,6.3b		
PTWC	VIII	02 22 48 52	3.30S	100.10E		6.1,6.3b		
GCMT	VIII	02 22 48 55.3–.10	3.36S	100.01E	20–0	6.0W,6.3b		
NEIC	VIII	02 22 48 57.5	3.43S	100.06E	18	5.8,6.3b		
BGR	VIII	02 22 49 03.4	1.64S	98.34E	33	5.9s,5.8b		

ISC Event type ke.
IDC Error ellipse: s-maj=7.3km s-min=5.3km az=63.0.
MOS Error ellipse: s-maj=6.9km s-min=3.7km az=112.3.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s316.00000°,δ12.00000°,λ97.00000°. NP2:ϕ_s129.00000°,δ78.00000°,λ88.00000°.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=3.0km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$-0.36 $M_{r\theta}$0.92 $M_{\theta\phi}$0.36 $M_{\phi r}$-0.45 NP1:ϕ_s324.12000°,δ19.43000°,λ113.11000°. NP2:ϕ_s119.77000°,δ72.18000°,λ82.12000°. Principal axes: T 1.2941,Plg62.0000°,Azm18.0000°; N -0.0598,Plg8.0000°,Azm122.0000°; P -1.2343,Plg27.0000°,Azm216.0000° $M_0$1.27000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC-P Moment Tensor Solution. s51 Moment tensor: Scale 10^{18}Nm; M_{rr}0.41±.24 $M_{\theta\theta}$-0.56±.28; $M_{\phi\phi}$-0.42±.18; $M_{r\theta}$0.08±.17; $M_{\theta\phi}$-0.16±.14; $M_{\phi r}$-0.37±.21; NP1:ϕ_s214.40000°,δ49.00000°,λ67.60000°. NP2:ϕ_s66.60000°,δ45.80000°,λ113.70000°. $M_0$7.24000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.56 $M_{\theta\theta}$-4.17 $M_{\phi\phi}$-2.39 $M_{r\theta}$4.73 $M_{\theta\phi}$3.45 $M_{\phi r}$-1.75 NP1:ϕ_s117.31561°,δ63.61366°,λ80.30452°. NP2:ϕ_s318.34421°,δ27.99085°,λ108.75062°. Principal axes: T 8.3653,Plg69.8252°,Azm7.1162°; N 0.0529,Plg8.6771°,Azm121.6578°; P -8.4182,Plg18.0675°,Azm214.5115° $M_0$8.39189×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108022248A. Moment Tensor Solution. s158,c354; s150,c494;Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}0.75±.01 $M_{\theta\theta}$-0.35±.01; $M_{\phi\phi}$-0.40±.01; $M_{r\theta}$1.00±.02; $M_{\theta\phi}$0.39±.00; $M_{\phi r}$-0.83±.02; Best double couple: NP1:ϕ_s323.00000°,δ15.00000°,λ102.00000°. NP2:ϕ_s131.00000°,δ75.00000°,λ87.00000°. Principal axes: T 1.5020,Plg60.0000°,Azm36.0000°; N 0.0100,Plg3.0000°,Azm132.0000°; P -1.5130,Plg30.0000°,Azm223.0000° $M_0$1.50800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}5.33 $M_{\theta\theta}$-3.53 $M_{\phi\phi}$-1.80 $M_{r\theta}$2.52 $M_{\theta\phi}$2.25 $M_{\phi r}$-0.04 NP1:ϕ_s315.88000°,δ35.12000°,λ110.24000°. NP2:ϕ_s111.62000°,δ57.33000°,λ76.33000°. Principal axes: T 6.0356,Plg74.0000°,Azm345.0000°; N -0.5331,Plg11.0000°,Azm119.0000°; P -5.5025,Plg11.0000°,Azm211.0000° $M_0$5.79000×10^{17}
BGR Event type ke.

(274) Southern Sumatera

ISC	**VIII**	**02 23 01 00.8–1.1**	**3.18S–.06**	**100.33E–.05**	**11–6**	**5.2b**	**512**	**3-158**
BJI	VIII	02 23 00 56.8	3.83S	100.43E	29	5.9s,5.8b		**¶620993272**
IDC	VIII	02 23 00 59.2–.39	3.15S	100.37E	0	4.9b,4.9		
MOS	VIII	02 23 00 59.7–1.0	3.07S	100.47E	13	5.4b,4.9		
GFZ	VIII	02 23 01 01.5–.25	3S–5.0	100E–3.0	10	5.2b,5.2		
NEIC	VIII	02 23 01 01.1–1.8	3.16S–.06	100.41E–.06	10–1	5.2b,5.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(704) Nicobar Islands region

ISC	**VIII**	**03 01 51 14.8–.46**	**8.90N–.03**	**93.97E–.03**	**15–2**	**4.9b,4.6s**	**692**	**4-161**
BJI	VIII	03 01 51 08.5	8.44N	93.88E	10	5.3s,5.2b		**¶620930449**
IDC	VIII	03 01 51 11.7–.41	8.86N	93.94E	0	4.5s,4.4b		
MOS	VIII	03 01 51 11.5–1.0	8.90N	93.98E	10	5.1b,4.5s		
BGR	VIII	03 01 51 13.2	8.00N	93.72E	28–1	4.8b,4.5s		
DJA	VIII	03 01 51 14.2–.30	9N–3.0	94E–3.0	10	5.6b,5.3		
NEIC	VIII	03 01 51 14.5–1.8	9.01N–.07	94.12E–.08	10–1	5.3,5.1b		
GFZ	VIII	03 01 51 16.5	9.18N	93.71E	18	5.2W,5.1b		
GCMT	VIII	03 01 51 17.8–.10	8.83N–.01	94.12E–.01	18–0	5.3W,5.1b		
GFZ	VIII	03 01 51 17.0–.15	9N–3.0	94E–3.0	10	5.0b,5.0		
BKK	VIII	03 01 51 17.0–.90	9N–5.0	94E–8.0	10	5.2,5.0		
NDI	VIII	03 01 51 19.7–3.9	9.18N	93.64E	10	5.0b,5.0		

ISC Event type ke.
IDC Error ellipse: s-maj=12.6km s-min=10.6km az=70.0.
MOS Error ellipse: s-maj=7.2km s-min=3.9km az=112.2.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=11.3km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.09 $M_{\theta\theta}$-1.17 $M_{\phi\phi}$6.26 $M_{r\theta}$3.69 $M_{\theta\phi}$1.29 $M_{\phi r}$-3.47 NP1:ϕ_s215.67701°,δ38.82331°,λ-40.75243°. NP2:ϕ_s339.55279°,δ65.84234°,λ-121.36579°. Principal axes: T 7.2457,Plg15.1598°,Azm91.9682°; N 0.9824,Plg28.3539°,Azm353.5605°; P -8.2282,Plg57.1694°,Azm206.7981° $M_0$7.78360×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108030151A. Moment Tensor Solution. s82,c110; s146,c246;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.02 $M_{\theta\theta}$-0.72±.01; $M_{\phi\phi}$0.81±.01; $M_{r\theta}$-0.22±.04; $M_{\theta\phi}$0.54±.01; $M_{\phi r}$0.04±.03; Best double couple: NP1:ϕ_s154.00000°,δ79.00000°,λ-171.00000°. NP2:ϕ_s62.00000°,δ81.00000°,λ-11.00000°. Principal axes: T 0.9840,Plg2.0000°,Azm108.0000°; N -0.0350,Plg76.0000°,Azm204.0000°; P -0.9490,Plg14.0000°,Azm17.0000° $M_0$0.96700×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NDI Event type se. Error ellipse: s-maj=15.3km s-min=18.3km az=-1.0. Presumed earthquake.

(704) Nicobar Islands region

ISC	**VIII**	**03 03 42 10.0–.41**	**8.78N–.03**	**94.03E–.03**	**23–2**	**6.0s,5.3b**	**1408**	**4-162**
NDI	VIII	03 03 42 02.0–3.4	8.43N	94.72E	10	5.6W,5.3b		**¶620930453**
BJI	VIII	03 03 42 03.8	8.63N	93.83E	5	6.2s,5.9		
IDC	VIII	03 03 42 04.6–.36	8.66N	93.99E	0	4.8b,4.7		
MOS	VIII	03 03 42 05.7–1.1	8.78N	94.00E	11	5.8s,5.4b		
NEIC	VIII	03 03 42 07.9–1.3	8.86N–.06	94.06E–.07	10–1	5.3b,5.4b		
GFZ	VIII	03 03 42 10.0–.09	9N–2.0	94E–2.0	10	6.3b,6.0		
BKK	VIII	03 03 42 10.3–1.1	9N–5.0	94E–8.0	21–10	5.9b,5.8L		
DJA	VIII	03 03 42 11.7–.40	9N–1.0	94E–2.0	29–3	6.3b,6.1		
GCMT	VIII	03 03 43 53.8–.20	8.90N–.01	94.06E–.02	24–1	6.0W,6.1		

ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: S202108030343A. Moment Tensor Solution. s129,c242; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.27±.08 $M_{\theta\theta}$-0.59±.04; $M_{\phi\phi}$0.85±.06; $M_{r\theta}$-0.58±.09; $M_{\theta\phi}$1.04±.04; $M_{\phi r}$0.05±.08; Best double couple: NP1:ϕ_s165.00000°,δ66.00000°,λ-167.00000°. NP2:ϕ_s70.00000°,δ78.00000°,λ-25.00000°. Principal axes: T 1.4350,Plg8.0000°,Azm119.0000°; N -0.0400,Plg63.0000°,Azm225.0000°; P -1.3960,Plg26.0000°,Azm25.0000° $M_0$1.41500×10^{18}

(704) Nicobar Islands region

ISC	**VIII**	**03 03 42 38.0–.19**	**8.93N–.03**	**93.97E–.03**	**5**	**6.1s,5.8b**	**865**	**5-167**
IDC	VIII	03 03 42 36.1–.34	8.87N	93.98E	0	5.8s,5.3b		**¶620995837**
MOS	VIII	03 03 42 36.6–1.0	8.90N	93.98E	13	6.1b,5.9s		
NEIC	VIII	03 03 42 38.4	8.89N	94.02E	10	6.1b,5.9s		
ISC-P	VIII	03 03 42 38	8.88N	94.02E	5–0	6.1,5.9s		
NEIC	VIII	03 03 42 38.3	8.86N	94.01E	10	6.1,5.9s		
NEIC	VIII	03 03 42 38.3–1.9	8.88N–.07	94.02E–.07	10–1	6.1,6.0		
IPGP	VIII	03 03 42 38.0	8.88N	93.99E	10	6.1W,6.0		
NDI	VIII	03 03 42 39.0–2.3	8.39N	94.59E	70–28	5.8W,6.0		
GFZ	VIII	03 03 42 41.0–.11	9N–3.0	94E–2.0	10	6.3b,6.0		
GFZ	VIII	03 03 42 41.0	9.21N	93.82E	15	6.0W,6.0		
NEIC	VIII	03 03 42 41.6	8.69N	93.72E	26	6.1,6.0		
GCMT	VIII	03 03 42 41.3–.10	8.84N	94.09E	14–0	6.1W,6.0		

ISC Event type se.
IDC Error ellipse: s-maj=10.3km s-min=9.0km az=61.0.
MOS Error ellipse: s-maj=7.0km s-min=4.9km az=108.3.
NEIC Event type se.
ISC-P Moment Tensor Solution. s49 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.71 $M_{\theta\theta}$0.07±.39; $M_{\phi\phi}$-0.03±.15; $M_{r\theta}$-0.04±.14; $M_{\theta\phi}$0.38±.18; $M_{\phi r}$0.32±.17; NP1:ϕ_s203.60000°,δ62.10000°,λ241.30000°. NP2:ϕ_s73.00000°,δ39.10000°,λ-47.80000°. $M_0$1.64000×10^{18}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.9km az=252.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$0.86 $M_{r\theta}$-0.30 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.05 NP1:ϕ_s155.89000°,δ74.81000°,λ-174.82000°. NP2:ϕ_s64.53000°,δ85.00000°,λ-15.25000°. Principal axes: T 1.1369,Plg7.0000°,Azm111.0000°; N -0.0201,Plg74.0000°,Azm227.0000°; P -1.1167,Plg14.0000°,Azm19.0000° $M_0$1.13000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s68.00000°,δ80.00000°,λ-11.00000°. NP2:ϕ_s159.00000°,δ79.00000°,λ-170.00000°.
NDI Event type se. Error ellipse: s-maj=43.2km s-min=33.6km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.45 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$1.21 $M_{r\theta}$0.16 $M_{\theta\phi}$0.96 $M_{\phi r}$0.43 NP1:ϕ_s336.67960°,δ82.44939°,λ170.67221°. NP2:ϕ_s67.91604°,δ80.75380°,λ7.65060°. Principal axes: T 1.6997,Plg11.9191°,Azm292.1699°; N -0.5488,Plg78.0203°,Azm118.0201°; P -1.1508,Plg1.1861°,Azm22.4203° $M_0$1.50240×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$1.30 $M_{r\theta}$-0.73 $M_{\theta\phi}$1.43 $M_{\phi r}$-0.35 NP1:ϕ_s159.62000°,δ66.76000°,λ-179.26000°. NP2:ϕ_s69.33000°,δ89.32000°,λ-23.25000°. Principal axes: T 2.1328,Plg16.0000°,Azm117.0000°; N -0.1688,Plg67.0000°,Azm248.0000°; P -1.9639,Plg17.0000°,Azm22.0000° $M_0$2.05000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108030342A. Moment Tensor Solution. s160,c357; s168,c591;Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.31±.01 $M_{\theta\theta}$-0.95±.01; $M_{\phi\phi}$1.26±.01; $M_{r\theta}$-0.27±.02; $M_{\theta\phi}$1.19±.01; $M_{\phi r}$0.20±.02; Best double couple: NP1:ϕ_s68.00000°,δ78.00000°,λ-9.00000°. NP2:ϕ_s160.00000°,δ81.00000°,λ-168.00000°. Principal axes: T 1.7810,Plg2.0000°,Azm293.0000°; N -0.2250,Plg75.0000°,Azm196.0000°; P -1.5550,Plg15.0000°,Azm24.0000° $M_0$1.66800×10^{18}

(704) Nicobar Islands region

ISC	**VIII**	**03 03 43 55.3–.53**	**9.02N–.04**	**94.14E–.05**	**24–3**	**6.0s,5.6b**	**574**	**5-162**
IDC	VIII	03 03 43 49.8–.44	8.74N	93.94E	0	6.2s,5.1b		**¶620930454**
MOS	VIII	03 03 43 51.2–1.6	9.06N	94.06E	11	6.0s,5.8b		
NDI	VIII	03 03 43 53.1–2.8	8.86N	94.40E	10	5.6b,5.8b		
BJI	VIII	03 03 43 53.5	9.08N	94.20E	14	5.9s,5.9b		
NEIC	VIII	03 03 43 53.6–1.7	9.00N–.02	94.16E–.09	10–1	5.8b,5.9b		
GFZ	VIII	03 03 43 55.8–.17	9N–5.0	94E–5.0	10	5.9b,5.9		

ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(199) Admiralty Islands region

ISC	**VIII**	**03 12 01 20.8–.25**	**1.48S–.04**	**148.14E–.04**	**10**	**5.0b,4.3s**	**427**	**1-157**
BJI	VIII	03 12 01 17.6	1.38S	148.39E	6	5.0b,4.9b		**¶620961695**
IDC	VIII	03 12 01 19.2–.45	1.55S	148.08E	0	4.7b,4.6		
GFZ	VIII	03 12 01 21.8	1.45S	148.22E	15	5.2W,4.6		
NEIC	VIII	03 12 01 21.3–1.0	1.52S–.01	148.10E–.04	10–1	5.2,5.0b		
DJA	VIII	03 12 01 21.4–.30	2S–4.0	148E–3.0	10	5.5b,5.3		
GFZ	VIII	03 12 01 21.8–.20	1S–3.0	148E–4.0	10	5.1,5.1b		
GCMT	VIII	03 12 01 24.9–.10	1.36S–.01	148.11E–.01	12	5.2W,5.1b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.10 $M_{\theta\theta}$-8.01 $M_{\phi\phi}$7.92 $M_{r\theta}$1.09 $M_{\theta\phi}$-0.85 $M_{\phi r}$0.33 NP1:ϕ_s312.18984°,δ83.22331°,λ-175.99028°. NP2:ϕ_s221.71593°,δ86.01833°,λ-6.79316°. Principal axes: T 7.9721,Plg1.9679°,Azm267.0834°; N 0.2355,Plg82.1307°,Azm11.4776°; P -8.2087,Plg7.6163°,Azm176.8202° $M_0$8.09297×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108031201A. Moment Tensor Solution. s85,c119; s137,c241;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.01 $M_{\theta\theta}$-0.74±.01; $M_{\phi\phi}$0.75±.01; $M_{r\theta}$-0.07±.03; $M_{\theta\phi}$-0.14±.01; $M_{\phi r}$0.08±.03; Best double couple: NP1:ϕ_s40.00000°,δ83.00000°,λ1.00000°. NP2:ϕ_s310.00000°,δ89.00000°,λ173.00000°. Principal axes: T 0.7810,Plg6.0000°,Azm264.0000°; N -0.0220,Plg82.0000°,Azm121.0000°; P -0.7590,Plg4.0000°,Azm355.0000° $M_0$0.77000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**03 20 33 35.4–.40**	**36.17N–.02**	**141.92E–.03**	**24–2**	**5.7s,5.6b**	**2134**	**1-164**
BJI	VIII	03 20 33 31.9	36.30N	141.73E	10	6.2s,6.0b		**¶626288840**
NEIC	VIII	03 20 33 32.8	36.09N	142.11E	10	6.2s,6.0b		
IPGP	VIII	03 20 33 32.0	36.11N	142.09E	15	6.0W,6.0b		
NEIC	VIII	03 20 33 32.5	36.11N	142.07E	10	6.0W,6.0b		
MOS	VIII	03 20 33 33.8–1.3	36.33N	141.97E	18	6.1s,5.9b		
IDC	VIII	03 20 33 33.1–.39	36.32N	141.78E	0	5.7s,5.1b		
NEIC	VIII	03 20 33 34.8–1.6	36.10N–.05	142.10E–.07	27–1	5.8,5.7b		
PTWC	VIII	03 20 33 34	36.10N	142.20E	74	5.8,5.7b		
ISC-P	VIII	03 20 33 34	36.10N	142.10E	4–0	6.6,5.7b		
GFZ	VIII	03 20 33 35.5	36.19N	141.76E	32	5.8W,5.7b		
NIED	VIII	03 20 33 36.9	36.21N	141.81E	18	5.8W,5.7b		
JMA	VIII	03 20 33 36.9–.04	36.2N–.20	141.8E–.30	18–1	6.0,5.8W		
BGR	VIII	03 20 33 37.3	36.91N	142.13E	10	6.0s,5.8b		
GFZ	VIII	03 20 33 39.1–.09	36N–2.0	142E–2.0	33	6.2b,5.9		
KEA	VIII	03 20 33 40.5	36.30N	141.75E	33	5.8s,5.9		
GCMT	VIII	03 20 33 40.3–.10	36.15N	141.82E	22–0	5.8W,5.9		
NEIC	VIII	03 20 33 42.3	36.09N	142.11E	22	5.8,5.9		

ISC Event type ke.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s228.00000°,δ19.00000°,λ113.00000°. NP2:ϕ_s23.00000°,δ73.00000°,λ82.00000°.
NEIC Event type se.
MOS Error ellipse: s-maj=5.9km s-min=3.3km az=115.7.
IDC Error ellipse: s-maj=8.5km s-min=7.6km az=129.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.6km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.64 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$-2.32 $M_{r\theta}$1.97 $M_{\theta\phi}$-2.60 $M_{\phi r}$4.18 NP1:ϕ_s27.90000°,δ69.80000°,λ80.15000°. NP2:ϕ_s234.58000°,δ22.38000°,λ114.93000°. Principal axes: T 5.8439,Plg64.0000°,Azm282.0000°; N 0.6428,Plg9.0000°,Azm31.0000°; P -6.4867,Plg24.0000°,Azm126.0000° $M_0$6.19000×10^{17}
ISC-P Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}0.44±.18 $M_{\theta\theta}$-0.19±.25; $M_{\phi\phi}$0.29±.21; $M_{r\theta}$0.21±.14; $M_{\theta\phi}$0.47±.14; $M_{\phi r}$-0.28±.15; NP1:ϕ_s31.70000°,δ76.40000°,λ58.90000°. NP2:ϕ_s280.40000°,δ33.70000°,λ154.90000°. $M_0$8.61000×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.42 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-3.59 $M_{r\theta}$1.48 $M_{\theta\phi}$-1.57 $M_{\phi r}$4.61 NP1: ϕ_s202.64102°,δ19.07788°,λ94.33915°. NP2:ϕ_s18.05074°,δ70.97891°,λ88.50108°. Principal axes: T 5.7832,Plg63.9912°,Azm285.6333°; N 0.7353,Plg1.4171°,Azm18.5394° ; P -6.5185,Plg25.9643°,Azm109.2296° $M_0$6.18374×10^{17}

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.32 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-2.87 $M_{r\theta}$1.24 $M_{\theta\phi}$-2.30 $M_{\phi r}$5.01 NP1:ϕ_s232.00000°,δ19.00000°,λ128.00000°. NP2:ϕ_s13.00000° ,δ75.00000°,λ78.00000°. $M_0$6.10000×10^{17}

JMA Event type fe. FAR E OFF IBARAKI PREF .

BGR Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108032033A. Moment Tensor Solution. s145,c324; s166,c535;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.90±.05 $M_{\theta\theta}$-0.55±.03; $M_{\phi\phi}$-4.35±.04; $M_{r\theta}$1.59±.07; $M_{\theta\phi}$-1.86±.03; $M_{\phi r}$5.33±.09; Best double couple: NP1:ϕ_s207.00000°,δ21.00000°,λ98.00000°. NP2:ϕ_s18.00000°,δ69.00000°,λ87.00000°. Principal axes: T 7.3920,Plg66.0000°,Azm283.0000°; N 0.1850,Plg3.0000°,Azm19.0000° ; P -7.5730,Plg24.0000°,Azm110.0000° $M_0$7.48200×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}3.38 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-3.45 $M_{r\theta}$1.98 $M_{\theta\phi}$-0.85 $M_{\phi r}$4.43 NP1:ϕ_s182.80000°,δ18.74000° ,λ71.71000°. NP2:ϕ_s22.04000°,δ72.24000°,λ96.08000°. Principal axes: T 5.9089,Plg62.0000°,Azm301.0000°; N 0.1646,Plg6.0000°,Azm200.0000° ; P -6.0734,Plg27.0000°,Azm107.0000° $M_0$5.99000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**03 20 43 11.0–.60**	**36.19N–.03**	**141.97E–.04**	**12–3**	**5.7s,5.2b**	**1105**	**1-154**
MOS	VIII	03 20 43 09.9–.96	36.30N	141.95E	13	5.6s,5.6b		**¶626288862**
BJI	VIII	03 20 43 09.6	36.28N	141.74E	10	5.7b,5.6s		
IDC	VIII	03 20 43 09.9–.44	36.22N	141.78E	0	4.9b,4.9		
NEIC	VIII	03 20 43 10.2–1.8	36.14N–.04	142.10E–.05	10–1	5.2,5.2b		
JMA	VIII	03 20 43 13.2–.19	36.2N–.20	141.9E–.30	6–1	5.4,5.2W		
NIED	VIII	03 20 43 13.2	36.19N	141.91E	6	5.1W,5.2W		
GFZ	VIII	03 20 43 15.3–.14	36N–2.0	142E–3.0	30	5.5,5.2b		
BGR	VIII	03 20 43 17.0	36.76N	142.51E	33	6.0s,5.3b		
GCMT	VIII	03 20 43 17.3–.20	36.13N–.02	142.00E–.02	26–1	5.2W,5.3b		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. FAR E OFF IBARAKI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.58 $M_{\theta\theta}$1.45 $M_{\phi\phi}$-3.03 $M_{r\theta}$1.43 $M_{\theta\phi}$-1.86 $M_{\phi r}$4.60 NP1:ϕ_s211.00000°,δ15.00000°,λ104.00000°. NP2:ϕ_s16.00000° ,δ76.00000°,λ86.00000°. $M_0$5.50000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

BGR Event type ke.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108032043A. Moment Tensor Solution. s8,c9; s127,c213; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.57±.04 $M_{\theta\theta}$-0.01±.02; $M_{\phi\phi}$-0.55±.02; $M_{r\theta}$0.30±.04; $M_{\theta\phi}$-0.15±.01; $M_{\phi r}$0.58±.04; Best double couple: NP1:ϕ_s185.00000°,δ22.00000° ,λ72.00000°. NP2:ϕ_s24.00000°,δ69.00000°,λ97.00000°. Principal axes: T 0.8720,Plg65.0000°,Azm305.0000°; N 0.0130,Plg6.0000°,Azm201.0000° ; P -0.8850,Plg24.0000°,Azm108.0000° $M_0$0.87900×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 04 40 25.7–.25**	**36.11N–.03**	**141.83E–.03**	**22–1**	**5.6b,5.3s**	**1702**	**1-158**
BJI	VIII	04 04 40 22.0	36.27N	141.64E	9	5.7s,5.7b		**¶620966419**
IDC	VIII	04 04 40 22.8–.34	36.18N	141.87E	0	5.1b,5.1		
IPGP	VIII	04 04 40 23.0	36.14N	141.97E	23	5.5W,5.1		
GFZ	VIII	04 04 40 24.8	36.12N	141.74E	16	5.3W,5.1		
NEIC	VIII	04 04 40 24.8	36.19N	141.85E	10	5.3W,5.1		
MOS	VIII	04 04 40 24.1–.94	36.22N	141.76E	16	5.8b,5.6s		
NEIC	VIII	04 04 40 25.4–1.3	36.18N–.06	141.86E–.07	14–1	5.7b,5.5		
NEIC	VIII	04 04 40 25.8	36.17N	141.77E	17	5.7b,5.5		
JMA	VIII	04 04 40 26.6–.05	36.2N–.30	141.8E–.30	21–1	5.7,5.4W		
NIED	VIII	04 04 40 26.6	36.16N	141.75E	21	5.4W,5.4W		
NEIC	VIII	04 04 40 26.1	35.97N	141.89E	16	5.4,5.4W		
KEA	VIII	04 04 40 27.1	36.23N	142.01E	33	5.2s,5.4W		
GFZ	VIII	04 04 40 27.0–.11	36N–2.0	142E–2.0	28–0	5.9b,5.5		
GCMT	VIII	04 04 40 29.7–.10	36.11N–.01	141.76E–.01	22–0	5.4W,5.5		
BGR	VIII	04 04 40 33.2	36.90N	141.56E	33	5.5b,5.3s		

ISC Event type ke.

IDC Error ellipse: s-maj=7.8km s-min=6.3km az=119.0.

IPGP Moment Tensor Solution. NP1:ϕ_s227.00000°,δ25.00000°,λ117.00000°. NP2:ϕ_s18.00000° ,δ68.00000°,λ78.00000°.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.75 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.64 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.75 NP1: ϕ_s201.62020°,δ21.41408°,λ89.47577°. NP2:ϕ_s22.18330°,δ68.58686°,λ90.20559°. Principal axes: T 1.1044,Plg66.4125°,Azm292.5466°; N -0.0121,Plg0.1914°,Azm202.1082° ; P -1.0923,Plg23.5866°,Azm112.0247° $M_0$1.09837×10^{17}

NEIC Event type se.

MOS Error ellipse: s-maj=6.8km s-min=3.6km az=119.9.

NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.4km az=322.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.12 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-1.48 $M_{r\theta}$0.43 $M_{\theta\phi}$-0.65 $M_{\phi r}$1.20 NP1:ϕ_s19.89000°,δ66.19000°,λ92.33000°. NP2:ϕ_s194.14000°,δ23.92000° ,λ84.74000°. Principal axes: T 1.6136,Plg69.0000°,Azm294.0000°; N 0.5652,Plg2.0000° ,Azm199.0000°; P -2.1788,Plg21.0000°,Azm108.0000° $M_0$1.96000×10^{17}

NEIC Event type se.

JMA Event type fe. FAR E OFF IBARAKI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.56 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.69 $M_{\phi r}$1.18 NP1:ϕ_s248.00000°,δ27.00000°,λ148.00000°. NP2:ϕ_s7.00000° ,δ76.00000°,λ67.00000°. $M_0$1.47000×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.58 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.43 $M_{\phi r}$1.31 NP1:ϕ_s222.08000°,δ15.12000° ,λ108.23000°. NP2:ϕ_s23.24000°,δ75.66000°,λ85.17000°. Principal axes: T 1.5661,Plg59.0000°,Azm287.0000°; N 0.1011,Plg5.0000°,Azm24.0000° ; P -1.6672,Plg30.0000°,Azm117.0000° $M_0$1.62000×10^{17}

GFZ Error ellipse: s-maj=4.0km s-min=2.9km az=125.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108040440A. Moment Tensor Solution. s128,c242; s151,c326;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.23±.02 $M_{\theta\theta}$-0.31±.01; $M_{\phi\phi}$-0.92±.01; $M_{r\theta}$0.16±.02; $M_{\theta\phi}$-0.70±.01; $M_{\phi r}$1.08±.03; Best double couple: NP1: ϕ_s230.00000°,δ28.00000°,λ119.00000°. NP2:ϕ_s17.00000°,δ65.00000°,λ75.00000°. Principal axes: T 1.6870,Plg66.0000°,Azm261.0000°; N 0.0410,Plg13.0000°,Azm24.0000° ; P -1.7250,Plg19.0000°,Azm118.0000° $M_0$1.70600×10^{17}

BGR Event type ke.

(185) Vanuatu Islands region

ISC	**VIII**	**04 05 55 11.8–.59**	**20.48S–.04**	**172.74E–.04**	**26–3**	**5.3b,5.1s**	**722**	**5-169**
IDC	VIII	04 05 55 07.9–.39	20.49S	172.65E	0	4.8b,4.8		**¶621237415**
NEIC	VIII	04 05 55 09.9–2.6	20.55S–.03	172.63E–.08	8–1	5.3b,5.1		
NEIC	VIII	04 05 55 09.7	20.55S	172.63E	6	5.3b,5.1		
NEIC	VIII	04 05 55 10.1	20.55S	172.84E	12	5.5,5.1		
MOS	VIII	04 05 55 10.4–1.1	20.49S	172.56E	22	5.4b,5.2s		
GFZ	VIII	04 05 55 11.7–.31	20S–2.0	173E–3.0	25–2	5.4,5.2b		
GFZ	VIII	04 05 55 11.7	20.44S	172.65E	30	5.6W,5.2b		
BJI	VIII	04 05 55 11.0	20.40S	172.70E	22	5.6b,5.3s		
NOU	VIII	04 05 55 12.6	20.40S	172.68E	27	5.2b,5.3s		
GCMT	VIII	04 05 55 14.0–.10	20.47S–.01	172.52E–.01	12–0	5.6W,5.3s		
BGR	VIII	04 05 55 14.5	19.61S	173.65E	33	5.2s,5.3s		

ISC Event type ke.

IDC Error ellipse: s-maj=14.3km s-min=11.4km az=140.0.

NEIC Event type se. Error ellipse: s-maj=12.8km s-min=4.7km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77 $M_{\theta\theta}$0.65 $M_{\phi\phi}$1.11 $M_{r\theta}$0.30 $M_{\theta\phi}$1.65 $M_{\phi r}$0.10 NP1:ϕ_s31.68000°,δ42.19000° ,λ-103.52000°. NP2:ϕ_s229.66000°,δ49.24000°,λ-78.03000°. Principal axes: T 2.5710,Plg4.0000°,Azm311.0000°; N -0.7605,Plg9.0000°,Azm42.0000° ; P -1.8105,Plg80.0000°,Azm200.0000° $M_0$2.29000×10^{17}

MOS Error ellipse: s-maj=8.9km s-min=8.0km az=112.3.

GFZ Error ellipse: s-maj=6.1km s-min=5.3km az=85.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.84 $M_{\theta\theta}$0.20 $M_{\phi\phi}$1.64 $M_{r\theta}$0.42 $M_{\theta\phi}$2.23 $M_{\phi r}$1.52 NP1: ϕ_s194.27458°,δ64.64696°,λ-117.92283°. NP2:ϕ_s65.33844°,δ37.01494°,λ-45.33746°. Principal axes: T 3.6673,Plg15.1787°,Azm304.3401°; N -1.1624,Plg25.0355°,Azm207.0605° ; P -2.5049,Plg60.1566°,Azm62.5613° $M_0$3.24613×10^{17}

NOU Vanuatu Islands Region.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108040555A. Moment Tensor Solution. s124,c237; s161,c339;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.42±.03 $M_{\theta\theta}$-0.04±.03; $M_{\phi\phi}$1.46±.03; $M_{r\theta}$-0.90±.09; $M_{\theta\phi}$2.33±.02; $M_{\phi r}$0.47±.07; Best double couple: NP1: ϕ_s179.00000°,δ61.00000°,λ-150.00000°. NP2:ϕ_s73.00000°,δ64.00000°,λ-32.00000°. Principal axes: T 3.1630,Plg2.0000°,Azm126.0000°; N -0.5640,Plg49.0000°,Azm219.0000° ; P -2.5980,Plg41.0000°,Azm35.0000° $M_0$2.88000×10^{17}

BGR Event type ke.

(525) Veracruz

ISC	**VIII**	**04 09 58 23.5–1.2**	**19.19N–.04**	**95.98W–.03**	**12–7**	**4.8b,4.1s**	**303**	**1-134**
IDC	VIII	04 09 58 22.1–.60	19.21N	95.81W	0	4.5,4.4b		**¶620966512**
NEIC	VIII	04 09 58 23.1–1.1	19.14N–.05	96.00W–.05	8–4	4.9,4.8b		
CATAC	VIII	04 09 58 25.9–.35	19N–2.0	96W–2.0	88–11	5.6b,5.4		
GFZ	VIII	04 09 58 26.7–.29	19N–4.0	96W–3.0	10	4.7,4.7b		
GCMT	VIII	04 09 58 27.9–.30	19.26N–.02	96.05W–.02	20–1	4.8W,4.7b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.22 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.25 $M_{r\theta}$0.42 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.63 NP1:ϕ_s151.78026° ,δ59.92164°,λ81.19886°. NP2:ϕ_s348.94752°,δ31.22350°,λ104.79822°. Principal axes: T 1.4362,Plg73.5514°,Azm39.3170°; N 0.2062,Plg7.6084°,Azm156.2174° ; P -1.6425,Plg14.4949°,Azm248.1964° $M_0$1.54968×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.20 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.23 $M_{r\theta}$0.46 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.66 NP1: ϕ_s150.79255°,δ60.86018°,λ80.50444°. NP2:ϕ_s349.74995°,δ30.51835°,λ106.48403°. Principal axes: T 1.4478,Plg72.4529°,Azm38.0297°; N 0.2060,Plg8.2847°,Azm155.4489° ; P -1.6538,Plg15.3568°,Azm247.7407° $M_0$1.56102×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108040958A. Moment Tensor Solution. s20,c24; s74,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.52±.12 $M_{\theta\theta}$-0.22±.07; $M_{\phi\phi}$-1.29±.08; $M_{r\theta}$1.02±.16; $M_{\theta\phi}$0.65±.04; $M_{\phi r}$-1.25±.13; Best double couple: NP1:ϕ_s345.00000°,δ23.00000° ,λ109.00000°. NP2:ϕ_s145.00000°,δ68.00000°,λ82.00000°. Principal axes: T 2.2300,Plg66.0000°,Azm41.0000°; N 0.0370,Plg7.0000°,Azm148.0000° ; P -2.2590,Plg23.0000°,Azm241.0000° $M_0$2.24500×10^{16}

(259) Mindanao

ISC	**VIII**	**04 16 56 46.0–.44**	**5.07N–.03**	**125.30E–.04**	**52–4**	**4.8b,3.5s**	**359**	**1-146**
BJI	VIII	04 16 56 41.6	4.56N	125.61E	67	5.0b,4.6b		**¶620968080**
MAN	VIII	04 16 56 43.8	5.02N	125.41E	28	5.5b,4.8s		
NEIC	VIII	04 16 56 45.3–2.2	5.05N–.06	125.28E–.07	39–5	4.9b,4.8s		
DJA	VIII	04 16 56 47.5–.40	5N–3.0	125E–3.0	49–4	5.3,5.1b		
IDC	VIII	04 16 56 47.8–1.5	5.01N	125.31E	75–12	4.3,4.0b		
GFZ	VIII	04 16 56 48.2–.21	5N–3.0	125E–4.0	76	4.9b,4.8		

ISC Event type se.

MAN Event type fe. INTENSITY III - SARANGANI DAVAO OCCIDENTAL.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(704) Nicobar Islands region

ISC	**VIII**	**04 17 57 42.2–.31**	**8.73N–.03**	**94.08E–.03**	**21–3**	**5.3s,5.2b**	**1381**	**3-161**
IDC	VIII	04 17 57 38.0–.38	8.80N	93.99E	0	5.1s,5.0L		**¶620968081**
BJI	VIII	04 17 57 38.4	8.59N	93.97E	17	5.7s,5.5		
MOS	VIII	04 17 57 39.0–1.1	8.73N	94.01E	16	5.4b,5.1s		
NEIC	VIII	04 17 57 39.5	8.85N	94.09E	5	5.4b,5.1s		
NEIC	VIII	04 17 57 39.9–1.7	8.80N–.06	94.08E–.07	9–2	5.5,5.4b		
NEIC	VIII	04 17 57 39.7	8.80N	94.07E	8	5.5,5.4b		
IPGP	VIII	04 17 57 40.0	8.83N	94.14E	6	5.6W,5.4b		
GFZ	VIII	04 17 57 41.5–.09	9N–2.0	94E–2.0	10	5.6b,5.3b		
BKK	VIII	04 17 57 41.7–1.5	9N–5.0	94E–13	10	5.4,5.3		
GFZ	VIII	04 17 57 41.5	8.82N	93.95E	12	5.5W,5.3		
GCMT	VIII	04 17 57 42.4–.10	8.72N–.01	94.11E–.01	13–0	5.6W,5.3		
NDI	VIII	04 17 57 43.6–3.5	8.87N	93.88E	10	5.6b,5.3		
DJA	VIII	04 17 57 45.3–.30	9N–2.0	94E–3.0	159–4	5.6,5.5		
BGR	VIII	04 17 57 46.9	8.72N	93.09E	33	5.2b,5.0s		
NEIC	VIII	04 17 57 49.8	8.75N	93.99E	12	5.5,5.0s		

ISC Event type ke.

IDC Error ellipse: s-maj=11.2km s-min=9.5km az=78.0.

MOS Error ellipse: s-maj=6.6km s-min=3.7km az=113.8.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.9km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.11 $M_{\theta\theta}$-1.51 $M_{\phi\phi}$1.40 $M_{r\theta}$-0.23 $M_{\theta\phi}$1.15 $M_{\phi r}$-0.24 NP1:ϕ_s244.54000°,δ85.92000°,λ9.87000°. NP2:ϕ_s153.83000°,δ80.15000° ,λ175.86000°. Principal axes: T 1.8566,Plg10.0000°,Azm110.0000°; N 0.0668,Plg79.0000° ,Azm267.0000°; P -1.9234,Plg4.0000°,Azm19.0000° $M_0$1.89000×10^{17}

NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s242.00000°,δ63.00000°,λ-18.00000°. NP2:ϕ_s340.00000° ,δ74.00000°,λ-152.00000°.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$1.66 $M_{r\theta}$-0.18 $M_{\theta\phi}$1.49 $M_{\phi r}$0.17 NP1: ϕ_s156.93631°,δ86.65146°,λ-173.69709°. NP2:ϕ_s66.56667°,δ83.70790°,λ-3.36886°. Principal axes: T 2.2595,Plg2.0743°,Azm291.6281°; N -0.1652,Plg82.8660°,Azm184.8072° ; P -2.0943,Plg6.8228°,Azm21.8764° $M_0$2.18158×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108041757A. Moment Tensor Solution. s123,c234; s152,c303;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.44±.03 $M_{\theta\theta}$-1.52±.03; $M_{\phi\phi}$1.96±.03; $M_{r\theta}$-0.50±.07; $M_{\theta\phi}$2.02±.03; $M_{\phi r}$0.09±.06; Best double couple: NP1: ϕ_s160.00000°,δ79.00000°,λ-172.00000°. NP2:ϕ_s69.00000°,δ82.00000°,λ-11.00000°. Principal axes: T 2.8910,Plg2.0000°,Azm115.0000°; N -0.3340,Plg77.0000°,Azm214.0000° ; P -2.5610,Plg13.0000°,Azm24.0000° $M_0$2.72600×10^{17}

NDI Event type se. Error ellipse: s-maj=16.8km s-min=17.6km az=-1.0. Presumed earthquake.

BGR Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39 $M_{\theta\theta}$-1.54 $M_{\phi\phi}$1.92 $M_{r\theta}$-0.56 $M_{\theta\phi}$1.74 $M_{\phi r}$-0.45 NP1:ϕ_s157.26000°,δ74.47000° ,λ179.43000°. NP2:ϕ_s247.41000°,δ89.45000°,λ15.53000°. Principal axes: T 2.7765,Plg11.0000°,Azm113.0000°; N -0.4492,Plg74.0000°,Azm249.0000° ; P -2.3273,Plg11.0000°,Azm21.0000° $M_0$2.58000×10^{17}

(274) Southern Sumatera

ISC	**VIII**	**04 18 34 08.6–.75**	**3.34S–.07**	**100.22E–.08**	**35**	**4.3b**	**90**	**1-146**
IDC	VIII	04 18 34 04.2–1.4	3.27S	100.29E	0	4.3s,4.1b		**¶620997323**
DJA	VIII	04 18 34 04.9–1.6	3S–3.0	100E–3.0	15–13	6.4b,6.2		
NEIC	VIII	04 18 34 06.1–1.6	3.31S–.04	100.21E–.08	10–1	4.3b,6.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(243) Taiwan region

ISC	**VIII**	**04 21 50 46.8–.30**	**24.78N–.01**	**122.36E–.01**	**15–1**	**5.7s,5.6b**	**2374**	**0-178**
ASIES	VIII	04 21 50 44.5	24.80N	122.45E	17	5.7W,5.6b		**¶620969507**
MOS	VIII	04 21 50 44.7–.90	24.81N	122.39E	12	5.9b,5.8s		
TAP	VIII	04 21 50 45.4	24.80N	122.32E	7–0	6.1L,5.8s		
BJI	VIII	04 21 50 45.9	24.82N	122.32E	10	6.3s,6.3L		
ISC-P	VIII	04 21 50 46	24.78N	122.31E	3–0	6.0,6.3L		
NIED	VIII	04 21 50 46.2	24.73N	122.35E	55	5.8W,6.3L		

NEIC VIII 04 21 50 46.5–1.8 24.78N–.06 122.31E–.05 10–1 5.8b,5.7
IPGP VIII 04 21 50 46.0 24.79N 122.28E 12 5.8W,5.7
JMA VIII 04 21 50 46.2–.22 25N–1.0 122.4E–.50 55–3 6.3,5.9W
NEIC VIII 04 21 50 46.5 24.78N 122.31E 10 6.3,5.9W
NEIC VIII 04 21 50 46.1 24.78N 122.33E 7 6.3,5.9W
GFZ VIII 04 21 50 47.2–.22 25N–1.0 122E–1.0 19–1 6.1b,5.7
PTWC VIII 04 21 50 47 24.70N 122.40E 10 6.0,5.7
GCMT VIII 04 21 50 47.4–.10 24.77N 122.17E 12 5.8W,5.7
GFZ VIII 04 21 50 48.7 24.78N 122.35E 16 5.8W,5.7
IDC VIII 04 21 50 51.5–1.7 24.81N 122.45E 51–15 5.5s,5.3
BGR VIII 04 21 50 52.7 25.18N 122.03E 33 5.9s,5.7b
NEIC VIII 04 21 50 58.6 24.78N 122.33E 12 5.8,5.7b
ISC Event type ke.
ASIES Moment Tensor Solution. NP1:ϕ_s97.00000°,δ37.00000°,λ-72.00000°. NP2:ϕ_s254.00000° ,δ55.00000°,λ-103.00000°.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=112.1.
TAP C.
ISC-P Moment Tensor Solution. s45 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.57±.08 $M_{\theta\theta}$0.57±.16; $M_{\phi\phi}$-0.01±.14; $M_{r\theta}$0.30±.11; $M_{\theta\phi}$0.22±.16; $M_{\phi r}$-0.19±.22; NP1:ϕ_s263.30000°,δ60.10000° ,λ243.90000°. NP2:ϕ_s127.80000°,δ38.90000°,λ-52.60000°. $M_0$1.48000×10^{18}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.29 $M_{\theta\theta}$5.26 $M_{\phi\phi}$-0.97 $M_{r\theta}$3.96 $M_{\theta\phi}$0.25 $M_{\phi r}$0.62 NP1:ϕ_s94.00000°,δ25.00000°,λ-80.00000°. NP2:ϕ_s263.00000° ,δ65.00000°,λ-95.00000°. $M_0$6.24000×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.3km az=327.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.26 $M_{\theta\theta}$4.51 $M_{\phi\phi}$-1.25 $M_{r\theta}$1.60 $M_{\theta\phi}$0.30 $M_{\phi r}$-0.40 NP1:ϕ_s74.30000°,δ35.24000°,λ-109.05000°. NP2:ϕ_s277.22000°,δ56.95000° ,λ-77.01000°. Principal axes: T 4.8295,Plg11.0000°,Azm358.0000°; N -1.1701,Plg11.0000° ,Azm90.0000°; P -3.6595,Plg74.0000°,Azm223.0000° $M_0$4.36000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s102.00000°,δ38.00000°,λ-77.00000°. NP2:ϕ_s266.00000° ,δ53.00000°,λ-100.00000°.
JMA Event type fe. TAIWAN REGION .
NEIC Event type se.
NEIC Event type se.
GFZ Error ellipse: s-maj=2.9km s-min=2.8km az=69.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC TAIWAN REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108042150A. Moment Tensor Solution. s142,c314; s159,c522;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.62±.04 $M_{\theta\theta}$6.34±.03; $M_{\phi\phi}$-1.72±.04; $M_{r\theta}$2.59±.09; $M_{\theta\phi}$0.11±.03; $M_{\phi r}$1.82±.10; Best double couple: NP1:ϕ_s113.00000°,δ37.00000°,λ-53.00000°. NP2:ϕ_s249.00000°,δ61.00000°,λ-114.00000°. Principal axes: T 6.9520,Plg13.0000°,Azm356.0000°; N -1.0190,Plg21.0000°,Azm261.0000° ; P -5.9330,Plg65.0000°,Azm116.0000° $M_0$6.44200×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.12 $M_{\theta\theta}$5.41 $M_{\phi\phi}$-0.29 $M_{r\theta}$-1.37 $M_{\theta\phi}$0.12 $M_{\phi r}$0.62 NP1: ϕ_s95.95372°,δ52.65902°,λ-81.09213°. NP2:ϕ_s261.46521°,δ38.23763°,λ-101.47310°. Principal axes: T 5.5903,Plg7.2672°,Azm179.6165°; N -0.2134,Plg7.0716°,Azm270.5229° ; P -5.3769,Plg79.8332°,Azm44.2922° $M_0$5.48671×10^{17}
IDC Error ellipse: s-maj=10.2km s-min=8.1km az=81.0.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.49 $M_{\theta\theta}$6.45 $M_{\phi\phi}$-1.97 $M_{r\theta}$1.63 $M_{\theta\phi}$0.03 $M_{\phi r}$-2.20 NP1:ϕ_s62.81000°,δ43.93000° ,λ-132.99000°. NP2:ϕ_s295.13000°,δ59.50000°,λ-56.69000°. Principal axes: T 6.7012,Plg9.0000°,Azm2.0000°; N -0.7748,Plg28.0000°,Azm97.0000° ; P -5.9263,Plg60.0000°,Azm257.0000° $M_0$6.35000×10^{17}

(704) Nicobar Islands region

ISC	**VIII**	**05 12 46 01.3–.58**	**8.80N–.04**	**93.91E–.04**	**25–3**	**5.2b,4.4s**	**727**	**4-161**
IDC	VIII	05 12 45 56.6–.40	8.70N	93.93E	0	4.8b,4.8		**¶620970285**
MOS	VIII	05 12 45 57.2–1.0	8.84N	93.89E	10	5.2b,4.5s		
BJI	VIII	05 12 45 58.8	8.47N	93.85E	40	5.3b,5.1b		
GFZ	VIII	05 12 45 59.7	8.79N	93.82E	12	5.1W,5.1b		
GFZ	VIII	05 12 45 60.0–.16	9N–3.0	94E–3.0	10	5.1b,5.0		
BKK	VIII	05 12 46 00.9–.90	9N–4.0	94E–8.0	10	5.1b,5.1L		
NEIC	VIII	05 12 46 01.1–2.0	8.81N–.06	94.00E–.07	20–2	5.3b,5.1		
GCMT	VIII	05 12 46 02.9–.20	8.73N–.01	94.05E–.01	15–0	5.1W,5.1		
BGR	VIII	05 12 46 03.6	9.08N	93.91E	33	4.9b,5.1		
DJA	VIII	05 12 46 07.5–.50	9N–2.0	95E–6.0	97–7	5.5b,5.1		
NDI	VIII	05 12 46 14.0–3.2	9.49N	93.68E	78–33	5.1b,5.1		

ISC Event type ke.
IDC Error ellipse: s-maj=12.7km s-min=11.1km az=83.0.
MOS Error ellipse: s-maj=7.1km s-min=4.1km az=108.4.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.10 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$3.47 $M_{r\theta}$1.63 $M_{\theta\phi}$0.45 $M_{\phi r}$-3.51 NP1: ϕ_s207.33465°,δ25.66011°,λ-49.37641°. NP2:ϕ_s343.75309°,δ70.81178°,λ-107.36910°. Principal axes: T 5.0063,Plg23.8889°,Azm87.1013°; N 0.1996,Plg16.3761°,Azm349.6228° ; P -5.2059,Plg60.4328°,Azm228.4258° $M_0$5.10906×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.4km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108051246A. Moment Tensor Solution. s58,c78; s132,c212; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.18±.15 $M_{\theta\theta}$-2.01±.10; $M_{\phi\phi}$5.20±.12; $M_{r\theta}$-2.93±.41; $M_{\theta\phi}$2.83±.09; $M_{\phi r}$-0.70±.29; Best double couple: NP1:ϕ_s164.00000°,δ50.00000° ,λ-149.00000°. NP2:ϕ_s53.00000°,δ67.00000°,λ-44.00000°. Principal axes: T 6.4710,Plg10.0000°,Azm112.0000°; N -0.7180,Plg41.0000°,Azm211.0000° ; P -5.7430,Plg47.0000°,Azm11.0000° $M_0$6.10700×10^{16}
BGR Event type ke.
NDI Event type se. Error ellipse: s-maj=22.2km s-min=15.4km az=-1.0. Presumed earthquake.

(704) Nicobar Islands region

ISC	**VIII**	**06 03 49 26.2–.46**	**8.91N–.06**	**94.12E–.08**	**22**	**4.0b,3.6s**	**102**	**4-148**
BKK	VIII	06 03 49 22.3–4.4	9N–12	94E–37	10	5.2b,4.6		**¶620998853**
DJA	VIII	06 03 49 23.3–.70	9N–2.0	94E–8.0	10	5.6b,5.1		
NEIC	VIII	06 03 49 24.4–2.1	8.9N–.10	94.1E–.10	10–1	4.6b,5.1		
IDC	VIII	06 03 49 24.2–.68	8.97N	93.59E	0	4.0,3.9b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=19.8km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=16.9km az=72.0.

(243) Taiwan region

ISC	**VIII**	**06 08 11 04.3–.35**	**24.75N–.01**	**122.24E–.01**	**14–1**	**5.2b,5.0s**	**1043**	**0-178**
IDC	VIII	06 08 11 01.1–.33	24.77N	122.19E	0	4.7b,4.7		**¶620970724**
MOS	VIII	06 08 11 02.0–1.0	24.72N	122.21E	12	5.3b,5.0s		
NEIC	VIII	06 08 11 04.4–1.6	24.75N–.06	122.24E–.06	10–1	5.3,5.2b		
NEIC	VIII	06 08 11 04.3	24.74N	122.23E	7	5.3,5.2b		
NEIC	VIII	06 08 11 04.4	24.73N	122.25E	10	5.3,5.2b		
ASIES	VIII	06 08 11 04.5	24.79N	122.21E	8	5.3W,5.2b		
TAP	VIII	06 08 11 04.7	24.79N	122.19E	13–0	5.7L,5.2b		
GCMT	VIII	06 08 11 04.2–.10	24.79N–.01	122.10E–.01	13–0	5.3W,5.2b		
BJI	VIII	06 08 11 04.4	24.85N	122.30E	20	5.6s,5.5		
NIED	VIII	06 08 11 04.7	24.73N	122.24E	50	5.3W,5.5		
JMA	VIII	06 08 11 04.7–.16	24.7N–.80	122.2E–.30	50–3	5.6,5.4W		
GFZ	VIII	06 08 11 05.9–.19	25N–3.0	122E–2.0	10	5.2b,5.2		
GFZ	VIII	06 08 11 06.8	24.69N	122.19E	10	5.2W,5.2		
NEIC	VIII	06 08 11 12.5	24.74N	122.23E	12	5.3,5.2		

ISC Event type ke.
IDC Error ellipse: s-maj=9.7km s-min=6.4km az=66.0.
MOS Error ellipse: s-maj=6.2km s-min=4.0km az=111.7.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.7km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56 $M_{\theta\theta}$0.80 $M_{\phi\phi}$-0.24 $M_{r\theta}$0.91 $M_{\theta\phi}$-0.02 $M_{\phi r}$0.18 NP1:ϕ_s259.28000°,δ72.46000°,λ-100.13000°. NP2:ϕ_s109.95000° ,δ20.18000°,λ-60.90000°. Principal axes: T 1.2538,Plg27.0000°,Azm357.0000° ; N -0.2028,Plg10.0000°,Azm262.0000°; P -1.0510,Plg61.0000°,Azm154.0000° $M_0$1.17000×10^{17}
NEIC Event type se.
NEIC Event type se.
ASIES Moment Tensor Solution. NP1:ϕ_s67.00000°,δ30.00000°,λ-124.00000°. NP2:ϕ_s285.00000° ,δ66.00000°,λ-72.00000°.
TAP C.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108060811A. Moment Tensor Solution. s124,c207; s135,c258;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87±.02 $M_{\theta\theta}$1.08±.01; $M_{\phi\phi}$-0.20±.01; $M_{r\theta}$0.71±.03; $M_{\theta\phi}$-0.03±.01; $M_{\phi r}$0.12±.03; Best double couple: NP1: ϕ_s102.00000°,δ28.00000°,λ-74.00000°. NP2:ϕ_s263.00000°,δ63.00000°,λ-98.00000°. Principal axes: T 1.3090,Plg18.0000°,Azm360.0000°; N -0.1890,Plg7.0000°,Azm267.0000° ; P -1.1170,Plg70.0000°,Azm155.0000° $M_0$1.21300×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.97 $M_{\theta\theta}$10.25 $M_{\phi\phi}$-2.28 $M_{r\theta}$0.92 $M_{\theta\phi}$0.84 $M_{\phi r}$-1.42 NP1:ϕ_s73.00000°,δ44.00000°,λ-110.00000°. NP2:ϕ_s279.00000° ,δ49.00000°,λ-72.00000°. $M_0$9.35000×10^{16}
JMA Event type fe. TAIWAN REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.29 $M_{\theta\theta}$9.01 $M_{\phi\phi}$-0.72 $M_{r\theta}$2.93 $M_{\theta\phi}$-0.91 $M_{\phi r}$-2.51 NP1: ϕ_s80.92355°,δ36.82266°,λ-113.36051°. NP2:ϕ_s289.27340°,δ56.61850°,λ-73.46511°. Principal axes: T 9.6571,Plg10.1937°,Azm7.4750°; N -0.2539,Plg13.7477°,Azm99.9964° ; P -9.4022,Plg72.7641°,Azm242.0522° $M_0$9.53219×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-0.20 $M_{r\theta}$0.73 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.19 NP1:ϕ_s74.71000°,δ27.77000° ,λ-112.72000°. NP2:ϕ_s280.04000°,δ64.55000°,λ-78.50000°. Principal axes: T 1.3042,Plg19.0000°,Azm1.0000°; N -0.1581,Plg10.0000°,Azm95.0000° ; P -1.1461,Plg68.0000°,Azm213.0000° $M_0$1.23000×10^{17}

(704) Nicobar Islands region

ISC	**VIII**	**06 08 19 06.0–.26**	**8.78N–.04**	**93.90E–.05**	**22**	**4.9b,4.2s**	**403**	**4-161**
BJI	VIII	06 08 19 01.2	8.49N	93.63E	19	5.3s,5.1b		**¶620970725**
IDC	VIII	06 08 19 01.9–.34	8.74N	93.94E	0	4.6b,4.6		
NEIC	VIII	06 08 19 04.8–1.6	8.76N–.06	93.96E–.09	10–1	5.1b,4.6		
BKK	VIII	06 08 19 05.1–.30	9N–4.0	94E–5.0	10	5.6,5.5		
GFZ	VIII	06 08 19 07.3–.37	9N–3.0	94E–4.0	29–2	5.3,4.9b		
DJA	VIII	06 08 19 07.0–.40	9N–3.0	94E–5.0	10	5.7,5.6b		
GCMT	VIII	06 08 19 08.0–.30	8.84N–.04	94.00E–.02	15–1	4.8W,5.6b		
NDI	VIII	06 08 19 09.1–3.4	8.22N	93.48E	185–20	4.6L,5.6b		
BGR	VIII	06 08 19 13.1	9.50N	93.11E	33	5.0s,4.9b		

ISC Event type ke.
IDC Error ellipse: s-maj=11.1km s-min=9.3km az=59.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.5km az=255.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.3km s-min=6.7km az=53.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108060819A. Moment Tensor Solution. s16,c16; s84,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.21±.20 $M_{\theta\theta}$0.21±.10; $M_{\phi\phi}$2.00±.13; $M_{r\theta}$0.15±.27; $M_{\theta\phi}$0.62±.07; $M_{\phi r}$0.18±.19; Best double couple: NP1:ϕ_s15.00000°,δ42.00000° ,λ-93.00000°. NP2:ϕ_s200.00000°,δ48.00000°,λ-87.00000°. Principal axes: T 2.2050,Plg3.0000°,Azm288.0000°; N 0.0180,Plg2.0000°,Azm18.0000° ; P -2.2240,Plg86.0000°,Azm146.0000° $M_0$2.21500×10^{16}
NDI Event type se. Error ellipse: s-maj=23.8km s-min=16.5km az=-1.0. Presumed earthquake.
BGR Event type ke.

(244) Taiwan

ISC	**VIII**	**06 11 12 31.6–.49**	**23.12N–.01**	**121.38E–.01**	**13–2**	**5.2b,5.0s**	**1048**	**0-173**
MOS	VIII	06 11 12 28.9–1.3	23.01N	121.49E	10	5.5b,5.0s		**¶620970791**
NEIC	VIII	06 11 12 30.0–1.3	23.11N–.05	121.36E–.04	7–3	5.2b,5.0s		
IDC	VIII	06 11 12 29.2–.45	23.10N	121.54E	0	5.0,4.9b		
JMA	VIII	06 11 12 29.9–.16	23.2N–.30	121E–1.0	8–2	5.3W,5.2		
NEIC	VIII	06 11 12 29.9	23.11N	121.36E	7	5.3W,5.2		
BJI	VIII	06 11 12 29.4	23.15N	121.35E	10	5.5s,5.4b		
ASIES	VIII	06 11 12 30.5	23.15N	121.29E	6	5.2W,5.4b		
TAP	VIII	06 11 12 30.5	23.16N	121.29E	7–0	5.4L,5.4b		
GCMT	VIII	06 11 12 31.8–.10	23.15N–.01	121.30E–.01	14–0	5.3W,5.4b		
GFZ	VIII	06 11 12 31.6–.19	23N–2.0	121E–2.0	5	5.2b,5.0		
NEIC	VIII	06 11 12 34.9	23.11N	121.36E	12	5.2,5.0		
BGR	VIII	06 11 12 36.9	23.52N	121.23E	33	5.2s,5.1b		

ISC Event type ke.
MOS Error ellipse: s-maj=6.5km s-min=4.4km az=99.9.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.4km s-min=10.7km az=150.0.
JMA Event type ke. TAIWAN REGION .
NEIC Event type se.
ASIES Moment Tensor Solution. NP1:ϕ_s253.00000°,δ37.00000°,λ135.00000°. NP2:ϕ_s22.00000° ,δ65.00000°,λ63.00000°.
TAP B.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108061112A. Moment Tensor Solution. s93,c148; s138,c244;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94±.02 $M_{\theta\theta}$-0.31±.01; $M_{\phi\phi}$-0.62±.02; $M_{r\theta}$0.10±.03; $M_{\theta\phi}$-0.48±.01; $M_{\phi r}$0.41±.03; Best double couple: NP1: ϕ_s225.00000°,δ35.00000°,λ105.00000°. NP2:ϕ_s27.00000°,δ57.00000°,λ80.00000°. Principal axes: T 1.0380,Plg76.0000°,Azm266.0000°; N 0.0120,Plg9.0000°,Azm33.0000° ; P -1.0480,Plg11.0000°,Azm124.0000° $M_0$1.04300×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}6.64 $M_{\theta\theta}$-2.55 $M_{\phi\phi}$-4.08 $M_{r\theta}$2.87 $M_{\theta\phi}$-4.45 $M_{\phi r}$3.50 NP1:ϕ_s220.74000°,δ28.98000° ,λ90.99000°. NP2:ϕ_s39.62000°,δ61.02000°,λ89.45000°. Principal axes: T 7.9397,Plg74.0000°,Azm308.0000°; N 1.1925,Plg0.0000°,Azm40.0000° ; P -9.1322,Plg16.0000°,Azm130.0000° $M_0$8.60000×10^{16}
BGR Event type ke.

(153) South Sandwich Islands region

ISC	**VIII**	**06 19 22 03.7–.25**	**59.59S–.03**	**26.23W–.04**	**34–0**	**5.7b,5.7s**	**1257**	**8-178**
BJI	VIII	06 19 22 00.9	59.21S	26.17W	38	5.9s,5.8b		**¶620973939**
MOS	VIII	06 19 22 00.9–1.2	59.68S	26.21W	27	5.9b,5.6s		
IPGP	VIII	06 19 22 02.0	59.64S	26.18W	35	6.0W,5.6s		
NEIC	VIII	06 19 22 02.2	59.63S	26.18W	31	6.0W,5.6s		
NEIC	VIII	06 19 22 02.7–1.5	59.60S–.08	26.2W–.20	35–1	5.9,5.8b		
ISC-P	VIII	06 19 22 02	59.60S	26.19W	21–0	6.3,5.8b		
NEIC	VIII	06 19 22 03.5	59.64S	26.17W	41	6.3,5.8b		
IDC	VIII	06 19 22 03.6–1.1	59.50S	26.04W	36–8	5.6L,5.6s		
GFZ	VIII	06 19 22 04.9–.13	60S–2.0	26W–2.0	42–1	5.8,5.7b		
GFZ	VIII	06 19 22 04.9	59.72S	26.09W	38	6.0W,5.7b		
GCMT	VIII	06 19 22 07.4–.10	59.86S	25.43W	34–0	5.9W,5.7b		
NEIC	VIII	06 19 22 10	59.34S	25.38W	36	5.9,5.7b		
PTWC	VIII	06 19 22 13	59.60S	26.30W	130	6.1,5.7b		

ISC Event type se.
MOS Error ellipse: s-maj=18.4km s-min=8.9km az=100.7.
IPGP Moment Tensor Solution. NP1:ϕ_s214.00000°,δ45.00000°,λ-115.00000°. NP2:ϕ_s67.00000° ,δ50.00000°,λ-67.00000°.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.0km az=231.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-7.77 $M_{\theta\theta}$5.34 $M_{\phi\phi}$2.42 $M_{r\theta}$-2.48 $M_{\theta\phi}$3.28 $M_{\phi r}$1.20 NP1:ϕ_s71.96000°,δ52.26000°,λ-71.29000°. NP2:ϕ_s223.01000°,δ41.49000° ,λ-112.51000°. Principal axes: T 7.6108,Plg6.0000°,Azm149.0000°; N 0.9151,Plg15.0000° ,Azm240.0000°; P -8.5260,Plg74.0000°,Azm39.0000° $M_0$8.11000×10^{17}
ISC-P Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.22±.09 $M_{\theta\theta}$0.60±.22; $M_{\phi\phi}$-0.30±.16; $M_{r\theta}$0.04±.21; $M_{\theta\phi}$-0.22±.14; $M_{\phi r}$0.45±.20; NP1:ϕ_s26.80000°,δ71.70000° ,λ203.70000°. NP2:ϕ_s289.00000°,δ67.60000°,λ-19.90000°. $M_0$4.17000×10^{18}
NEIC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=10.9km az=56.0.
GFZ Error ellipse: s-maj=5.6km s-min=3.6km az=36.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.64 $M_{\phi\phi}$0.37 $M_{r\theta}$-0.17 $M_{\theta\phi}$0.46 $M_{\phi r}$0.36 NP1: ϕ_s70.22929°,δ45.45561°,λ-64.02531°. NP2:ϕ_s215.44816°,δ50.15485°,λ-113.98885°. Principal axes: T 0.9951,Plg2.4619°,Azm322.1712°; N 0.1507,Plg18.1887°,Azm231.3618° ; P -1.1458,Plg71.6338°,Azm59.6119° $M_0$1.07837×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108061922A. Moment Tensor Solution. s162,c352; s166,c549;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.84±.01 $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$0.35±.01; $M_{r\theta}$-0.45±.01; $M_{\theta\phi}$0.55±.00; $M_{\phi r}$0.21±.01; Best double couple: NP1:ϕ_s205.00000°,δ44.00000°,λ-128.00000°. NP2:ϕ_s73.00000°,δ57.00000°,λ-59.00000°. Principal axes: T 0.9940,Plg7.0000°,Azm141.0000°; N 0.0860,Plg25.0000°,Azm235.0000° ; P -1.0790,Plg64.0000°,Azm37.0000° $M_0$1.03700×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 4s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-7.28 $M_{\theta\theta}$3.76 $M_{\phi\phi}$3.51 $M_{r\theta}$-3.34 $M_{\theta\phi}$4.06 $M_{\phi r}$2.03 NP1:ϕ_s204.50000°,δ45.73000° ,λ-123.94000°. NP2:ϕ_s68.46000°,δ53.55000°,λ-60.19000°. Principal axes: T 7.7750,Plg4.0000°,Azm138.0000°; N 1.2268,Plg24.0000°,Azm230.0000° ; P -9.0018,Plg66.0000°,Azm38.0000° $M_0$8.46000×10^{17}

PTWC SOUTH SANDWICH ISLANDS REGION.

(76) Off coast of central America

ISC	VIII	07 11 34 37.3–.41	2.09N–.04	84.61W–.05	10	4.6b,4.1s	238	5-138
UCR	VIII	07 11 33 57.2–2.2	0.73S	86.01W	0–999	4.2W,4.1s	¶620976071	
GFZ	VIII	07 11 34 38.3–.20	2N–3.0	85W–4.0	10	4.6b,4.4		
NEIC	VIII	07 11 34 38.2–1.1	2.20N–.09	84.6W–.10	10–1	4.6b,4.4		
GCMT	VIII	07 11 34 41.8–.20	2.22N–.01	84.62W–.02	12	4.9W,4.4		
RSNC	VIII	07 11 34 43.6–.50	2N–2.0	84W–1.0	25–4	5.5b,5.0		
IDC	VIII	07 11 34 44.1–2.8	2.38N	84.36W	61–24	4.1,4.0s		

ISC Event type se.

UCR Event type se. Error ellipse: s-maj=999.9km s-min=693.7km az=-1.0. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=19.0km s-min=12.0km az=236.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108071134A. Moment Tensor Solution. s51,c65; s120,c191; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.60±.06 $M_{\theta\theta}$2.80±.05; $M_{\phi\phi}$-0.19±.07; $M_{r\theta}$0.68±.18; $M_{\theta\phi}$-0.03±.05; $M_{\phi r}$0.98±.23; Best double couple: NP1:ϕ_s109.00000°,δ41.00000° ,λ-61.00000°. NP2:ϕ_s252.00000°,δ55.00000°,λ-113.00000°. Principal axes: T 2.8860,Plg7.0000°,Azm358.0000°; N 0.1360,Plg19.0000°,Azm266.0000° ; P -3.0180,Plg70.0000°,Azm109.0000° $M_0$2.95200×10^{16}

IDC Error ellipse: s-maj=31.8km s-min=14.2km az=60.0.

(193) Bougainville-Solomon Islands region

ISC	VIII	07 14 51 29.7–.24	10.08S–.03	161.15E–.03	53–1	5.7b,4.5s	931	1-166
GFZ	VIII	07 14 51 25.6	9.96S	161.01E	51	5.3W,4.5s	¶621237422	
BJI	VIII	07 14 51 29.6	9.68S	161.07E	55	5.4b,5.3b		
GFZ	VIII	07 14 51 30.1–.12	10S–2.0	161E–2.0	48	5.6b,5.5		
NOU	VIII	07 14 51 30.9	10.08S	161.05E	58	5.7b,5.5		
NEIC	VIII	07 14 51 31.8	10.07S	161.10E	50	5.3,5.5		
NEIC	VIII	07 14 51 31.0–1.6	10.06S–.08	161.13E–.07	58–5	5.7b,5.5		
NEIC	VIII	07 14 51 31.5	10.07S	161.10E	61	5.7b,5.5		
MOS	VIII	07 14 51 31.2–.92	10.01S	161.02E	75	5.7b,5.5		
GCMT	VIII	07 14 51 32.3–.10	10.20S–.01	161.03E–.01	54–0	5.3W,5.5		
IDC	VIII	07 14 51 32.6–1.0	10.12S	161.06E	78–7	5.4,5.1b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.02 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-0.33 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.50 $M_{\phi r}$-0.29 NP1: ϕ_s138.29429°,δ50.58058°,λ106.89646°. NP2:ϕ_s292.72964°,δ42.33924°,λ70.52690°. Principal axes: T 1.0854,Plg76.3316°,Azm108.7197°; N -0.0365,Plg12.9751°,Azm307.3770° ; P -1.0489,Plg4.2245°,Azm216.4018° $M_0$1.06760×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NOU Solomon Islands.

NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}9.10 $M_{\theta\theta}$-6.32 $M_{\phi\phi}$-2.78 $M_{r\theta}$0.43 $M_{\theta\phi}$4.96 $M_{\phi r}$-2.68 NP1:ϕ_s293.13000°,δ40.61000° ,λ71.44000°. NP2:ϕ_s136.99000°,δ51.90000°,λ105.27000°. Principal axes: T 9.6998,Plg77.0000°,Azm101.0000°; N 0.3045,Plg12.0000°,Azm307.0000° ; P -10.0043,Plg6.0000°,Azm216.0000° $M_0$9.86000×10^{16}

NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.3km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

MOS Error ellipse: s-maj=7.6km s-min=6.0km az=119.8.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108071451A. Moment Tensor Solution. s113,c178; s132,c236;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$-0.71±.01; $M_{\phi\phi}$-0.09±.01; $M_{r\theta}$0.00±.01; $M_{\theta\phi}$0.74±.01; $M_{\phi r}$-0.36±.01; Best double couple: NP1: ϕ_s278.00000°,δ46.00000°,λ51.00000°. NP2:ϕ_s148.00000°,δ56.00000°,λ123.00000°. Principal axes: T 0.9710,Plg62.0000°,Azm114.0000°; N 0.2510,Plg27.0000°,Azm308.0000° ; P -1.2230,Plg6.0000°,Azm215.0000° $M_0$1.09700×10^{17}

IDC Error ellipse: s-maj=10.6km s-min=9.0km az=82.0.

(173) Tonga Islands

ISC	VIII	07 23 16 20.3–.34	16.80S–.06	173.28W–.05	34–1	5.0b,4.3s	396	3-155
IDC	VIII	07 23 16 15.5–.44	16.92S	173.41W	0	4.7b,4.7	¶620976256	
BJI	VIII	07 23 16 16.8	16.35S	173.12W	7	5.6b,5.0s		
GFZ	VIII	07 23 16 17.1–.20	17S–5.0	174W–5.0	10	5.0b,5.0		
NEIC	VIII	07 23 16 21.0–1.2	16.77S–.09	173.35W–.09	35–1	5.0b,5.0		
GCMT	VIII	07 23 16 24.7–.20	16.84S–.01	173.03W–.01	37–0	5.0W,5.0		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108072316A. Moment Tensor Solution. s74,c108; s110,c153;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.07±.12 $M_{\theta\theta}$3.95±.09; $M_{\phi\phi}$-0.88±.09; $M_{r\theta}$1.36±.10; $M_{\theta\phi}$-0.78±.07; $M_{\phi r}$1.82±.09; Best double couple: NP1: ϕ_s126.00000°,δ44.00000°,λ-45.00000°. NP2:ϕ_s251.00000°,δ61.00000°,λ-125.00000°. Principal axes: T 4.2450,Plg9.0000°,Azm5.0000°; N 0.1470,Plg30.0000°,Azm270.0000° ; P -4.3940,Plg59.0000°,Azm111.0000° $M_0$4.32000×10^{16}

(6) Rat Islands

ISC	VIII	08 14 50 25.7–.25	51.50N–.04	175.88E–.02	21–2	5.4b,4.6s	1327	2-161
KRSC	VIII	08 14 50 20.1–2.3	51.29N	175.92E	15–23	5.3,5.1L	¶620976432	
IDC	VIII	08 14 50 22.8–.41	51.58N	175.95E	0	5.5L,5.0b		
MOS	VIII	08 14 50 23.3–1.1	51.52N	175.87E	15	5.5b,4.7s		
BJI	VIII	08 14 50 24.5	51.70N	175.85E	27	5.2b,5.2b		
GFZ	VIII	08 14 50 24.6–.13	52N–3.0	176E–2.0	10	5.8b,5.4b		
GFZ	VIII	08 14 50 24.6	51.54N	175.98E	10	5.2W,5.4b		
BGR	VIII	08 14 50 25.6	50.84N	175.90E	33	5.0b,4.3s		
NEIC	VIII	08 14 50 26.4	51.60N	175.86E	22	5.0b,4.3s		
NEIC	VIII	08 14 50 26.3–1.5	51.63N–.05	175.84E–.06	21–3	5.5b,5.1L		
NEIC	VIII	08 14 50 26.9	51.10N	175.70E	22	5.2,5.1L		
AEIC	VIII	08 14 50 27.5–2.3	51.42N–.06	175.81E–.04	32–3	5.2,5.1L		
GCMT	VIII	08 14 50 28.6–.10	51.57N–.01	175.86E–.02	17–0	5.2W,5.1L		

ISC Event type ke.

KRSC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.58 $M_{\theta\theta}$-5.04 $M_{\phi\phi}$1.46 $M_{r\theta}$4.92 $M_{\theta\phi}$-1.92 $M_{\phi r}$0.08 NP1: ϕ_s88.83910°,δ69.59267°,λ104.39112°. NP2:ϕ_s232.49095°,δ24.79303°,λ56.25543°. Principal axes: T 5.9327,Plg62.6846°,Azm21.3574°; N 1.6901,Plg13.4703°,Azm263.7264° ; P -7.6229,Plg23.2890°,Azm167.8085° $M_0$6.93404×10^{16}

BGR Event type ke.

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}4.85 $M_{\theta\theta}$-7.09 $M_{\phi\phi}$2.25 $M_{r\theta}$4.13 $M_{\theta\phi}$-1.82 $M_{\phi r}$1.58 NP1:ϕ_s274.18000°,δ28.76000° ,λ111.96000°. NP2:ϕ_s69.49000°,δ63.50000°,λ78.40000°. Principal axes: T 6.3861,Plg69.0000°,Azm316.0000°; N 2.4426,Plg10.0000°,Azm75.0000° ; P -8.8287,Plg18.0000°,Azm168.0000° $M_0$7.90000×10^{16}

AEIC Event type se. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108081450A. Moment Tensor Solution. s85,c142; s143,c249;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.82±.15 $M_{\theta\theta}$-6.89±.12; $M_{\phi\phi}$2.06±.10; $M_{r\theta}$4.39±.28; $M_{\theta\phi}$-2.08±.07; $M_{\phi r}$-0.40±.26; Best double couple: NP1: ϕ_s236.00000°,δ31.00000°,λ57.00000°. NP2:ϕ_s93.00000°,δ64.00000°,λ108.00000°. Principal axes: T 6.5360,Plg66.0000°,Azm35.0000°; N 2.1270,Plg16.0000°,Azm265.0000° ; P -8.6730,Plg17.0000°,Azm170.0000° $M_0$7.60400×10^{16}

(221) Kuril Islands

ISC	VIII	10 12 08 44.2–.33	44.11N–.03	148.38E–.03	32–1	5.1b,4.5s	1044	1-153
NIED	VIII	10 12 08 40.7	44.13N	148.31E	0	5.0W,4.5s	¶620979642	
BJI	VIII	10 12 08 40.4	44.06N	148.73E	34	5.3b,5.3b		
JMA	VIII	10 12 08 40.7–.79	44N–3.0	148E–4.0	0	5.9,5.3		
IDC	VIII	10 12 08 40.0–.44	44.24N	148.37E	0	4.8b,4.8		
SKHL	VIII	10 12 08 42.1–.40	44.00N	148.60E	49–9	6.0b,5.0		
MOS	VIII	10 12 08 43.0–.93	44.10N	148.37E	36	5.4b,4.7s		
NEIC	VIII	10 12 08 45.0–1.1	44.16N–.08	148.3E–.10	35–1	5.0,4.9b		
GFZ	VIII	10 12 08 45.6–.26	44N–4.0	148E–3.0	38–2	5.2b,5.0		
GCMT	VIII	10 12 08 46.5–.20	44.04N–.01	148.61E–.02	33–1	5.0W,5.0		
BGR	VIII	10 12 08 57.0	45.67N	146.51E	33	5.3b,4.6s		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.01 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-1.93 $M_{r\theta}$1.64 $M_{\theta\phi}$-0.90 $M_{\phi r}$2.57 NP1:ϕ_s160.00000°,δ20.00000°,λ36.00000°. NP2:ϕ_s36.00000° ,δ78.00000°,λ107.00000°. $M_0$3.50000×10^{16}

JMA Event type fe. SE OFF ETOROFU .

IDC Error ellipse: s-maj=11.3km s-min=8.0km az=144.0.

MOS Error ellipse: s-maj=5.2km s-min=3.8km az=114.7.

NEIC Event type se. Error ellipse: s-maj=15.4km s-min=11.0km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=9.4km s-min=4.5km az=142.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108101208A. Moment Tensor Solution. s64,c83; s109,c172; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.08±.14 $M_{\theta\theta}$-0.43±.10; $M_{\phi\phi}$-2.64±.10; $M_{r\theta}$0.90±.12; $M_{\theta\phi}$-1.71±.07; $M_{\phi r}$3.16±.14; Best double couple: NP1:ϕ_s220.00000°,δ24.00000° ,λ109.00000°. NP2:ϕ_s19.00000°,δ68.00000°,λ82.00000°. Principal axes: T 4.4860,Plg66.0000°,Azm274.0000°; N 0.4000,Plg8.0000°,Azm22.0000° ; P -4.8800,Plg22.0000°,Azm115.0000° $M_0$4.68300×10^{16}

BGR Event type ke.

(221) Kuril Islands

ISC	VIII	10 16 27 56.1–.34	47.63N–.04	154.39E–.04	55–2	5.0b,3.9s	891	3-155
BJI	VIII	10 16 27 50.2	47.74N	154.95E	44	5.2b,5.0b	¶620979657	
MOS	VIII	10 16 27 54.5–.93	47.70N	154.28E	49	5.3b,5.0b		
SKHL	VIII	10 16 27 54.6–.80	47.60N	154.70E	70–5	5.6b,5.0b		
GFZ	VIII	10 16 27 56.8–.57	48N–4.0	154E–4.0	56–4	5.1b,5.0		
NEIC	VIII	10 16 27 56.3–.96	47.69N–.07	154.3E–.10	52–5	4.9b,5.0		
BGR	VIII	10 16 27 56.6	47.88N	154.60E	33	5.0b,3.8s		
IDC	VIII	10 16 27 59.2–1.6	47.77N	154.22E	79–14	4.8,4.5b		
JMA	VIII	10 16 28 01.1–.52	47N–4.0	154E–4.0	1	4.8,4.5b		

ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

BGR Event type ke.

JMA Event type ke. FAR FIELD .

(189) Southeast of Loyalty Islands

ISC	VIII	10 21 21 53.7–.47	23.37S–.04	171.64E–.04	12–2	5.2b,4.7s	791	4-167
IDC	VIII	10 21 21 51.8–.40	23.31S	171.61E	0	4.8b,4.8	¶621237428	
BJI	VIII	10 21 21 52.2	23.30S	171.60E	10	5.5b,5.1s		
MOS	VIII	10 21 21 53.0–1.6	23.19S	171.44E	10	5.4b,4.9s		
NEIC	VIII	10 21 21 53.9–2.1	23.35S–.06	171.54E–.05	10–1	5.3b,4.9s		
NEIC	VIII	10 21 21 54.4	23.36S	171.51E	10	5.3b,4.9s		
NEIC	VIII	10 21 21 54.7	23.06S	172.05E	20	5.2,4.9s		
GFZ	VIII	10 21 21 54.7–.30	23S–4.0	172E–4.0	10	5.1b,4.8		
NOU	VIII	10 21 21 54.6	23.35S	171.34E	0	4.9b,4.8		
GCMT	VIII	10 21 21 57.7–.10	23.26S–.01	171.51E–.01	12	5.3W,4.8		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-8.33 $M_{\theta\theta}$4.11 $M_{\phi\phi}$4.22 $M_{r\theta}$2.86 $M_{\theta\phi}$3.82 $M_{\phi r}$-1.15 NP1:ϕ_s29.23000°,δ43.02000° ,λ-114.32000°. NP2:ϕ_s240.95000°,δ51.56000°,λ-68.98000°. Principal axes: T 8.0781,Plg4.0000°,Azm316.0000°; N 1.1749,Plg16.0000°,Azm48.0000° ; P -9.2530,Plg73.0000°,Azm211.0000° $M_0$8.73000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NOU Southeast of Loyalty Islands.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108102121A. Moment Tensor Solution. s113,c194; s149,c285;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.94±.01 $M_{\theta\theta}$0.94±.01; $M_{\phi\phi}$0.00±.01; $M_{r\theta}$0.11±.03; $M_{\theta\phi}$0.25±.01; $M_{\phi r}$0.15±.03; Best double couple: NP1:ϕ_s84.00000° ,δ41.00000°,λ-79.00000°. NP2:ϕ_s249.00000°,δ50.00000°,λ-100.00000°. Principal axes: T 1.0160,Plg4.0000°,Azm346.0000°; N -0.0520,Plg7.0000°,Azm255.0000° ; P -0.9640,Plg81.0000°,Azm106.0000° $M_0$0.99000×10^{17}

(215) Mariana Islands region

ISC	VIII	11 15 02 51.6–.39	15.91N–.03	147.25E–.04	14–2	5.5b,5.3s	1169	2-157
BJI	VIII	11 15 02 45.7	15.75N	147.68E	10	5.3s,5.3b	¶620983077	
IDC	VIII	11 15 02 49.6–.34	16.05N	147.24E	0	5.2b,5.2		
MOS	VIII	11 15 02 49.6–.89	15.97N	147.10E	9	5.6b,5.1s		
ISC-P	VIII	11 15 02 51	15.91N	147.26E	15–0	6.0,5.1s		
GFZ	VIII	11 15 02 51.8	15.90N	147.29E	29	5.5W,5.1s		
NEIC	VIII	11 15 02 51.5	15.88N	147.21E	10	5.5W,5.1s		
NEIC	VIII	11 15 02 51.4–1.6	15.91N–.07	147.26E–.09	10–1	5.6b,5.3		
PTWC	VIII	11 15 02 52	16.00N	147.30E	10	5.5,5.3		
NEIC	VIII	11 15 02 52.1	15.88N	147.21E	20	5.5,5.3		
GFZ	VIII	11 15 02 53.0–.48	16N–2.0	147E–2.0	18–3	5.5b,5.3		
GCMT	VIII	11 15 02 54.4–.10	15.92N–.01	147.38E–.01	12	5.4W,5.3		
DJA	VIII	11 15 02 54.9–.90	16N–2.0	147E–3.0	30–7	5.9b,5.5		

ISC Event type se.

ISC-P Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}0.50±.17 $M_{\theta\theta}$-0.02±.19; $M_{\phi\phi}$-0.47±.15; $M_{r\theta}$-0.33±.14; $M_{\theta\phi}$-0.00±.22; $M_{\phi r}$0.40±.18; NP1:ϕ_s177.22000°,δ45.00000° ,λ134.30000°. NP2:ϕ_s303.10000°,δ59.60000°,λ55.10000°. $M_0$1.20000×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.88 $M_{\theta\theta}$-1.17 $M_{\phi\phi}$-0.71 $M_{r\theta}$1.27 $M_{\theta\phi}$0.83 $M_{\phi r}$-1.04 NP1: ϕ_s128.52348°,δ65.87173°,λ90.93053°. NP2:ϕ_s306.24812°,δ24.14513°,λ87.92352°. Principal axes: T 2.5026,Plg69.1146°,Azm40.3694°; N -0.0754,Plg0.8492°,Azm308.1431° ; P -2.4272,Plg20.8665°,Azm217.8193° $M_0$2.46577×10^{17}

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

PTWC MARIANA ISLANDS REGION.

NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.71 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$-0.82 $M_{r\theta}$1.24 $M_{\theta\phi}$0.92 $M_{\phi r}$-1.19 NP1:ϕ_s314.14000°,δ22.67000° ,λ90.22000°. NP2:ϕ_s133.90000°,δ67.33000°,λ89.91000°. Principal axes: T 2.4183,Plg68.0000°,Azm44.0000°; N 0.0665,Plg0.0000°,Azm134.0000° ; P -2.4848,Plg22.0000°,Azm224.0000° $M_0$2.45000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108111502A. Moment Tensor Solution. s87,c131; s151,c303;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.53±.01 $M_{\theta\theta}$-0.85±.01; $M_{\phi\phi}$-0.67±.01; $M_{r\theta}$-0.22±.04; $M_{\theta\phi}$0.93±.01; $M_{\phi r}$-0.01±.04; Best double couple: NP1: ϕ_s139.00000°,δ43.00000°,λ100.00000°. NP2:ϕ_s306.00000°,δ48.00000°,λ81.00000°. Principal axes: T 1.5550,Plg83.0000°,Azm155.0000°; N 0.1550,Plg6.0000°,Azm312.0000° ; P -1.7100,Plg3.0000°,Azm42.0000° $M_0$1.63300×10^{17}

(259) Mindanao

ISC	**VIII**	**11 17 46 13.8–.18**	**6.42N–.02**	**126.70E–.02**	**59–1**	**6.8s,6.3b**	**2590**	**1-178**	
BJI	VIII	11 17 46 09.7	6.45N	126.85E	40	6.8s,6.8			**¶620983080**
MOS	VIII	11 17 46 11.5–1.0	6.54N	126.68E	54	6.8s,6.4b			
IDC	VIII	11 17 46 12.7–.78	6.44N	126.61E	51–5	6.6s,5.4			
MAN	VIII	11 17 46 12.5	6.30N	126.87E	59	7.1s,6.9b			
NEIC	VIII	11 17 46 13.1–2.6	6.48N–.05	126.72E–.07	55–3	6.4b,6.9b			
NEIC	VIII	11 17 46 13.4	6.48N	126.71E	57	6.4b,6.9b			
IPGP	VIII	11 17 46 14.0	6.46N	126.74E	44	7.2W,6.9b			
GFZ	VIII	11 17 46 14.1	6.50N	126.71E	42	7.1W,6.9b			
GFZ	VIII	11 17 46 14.1–.13	7N–1.0	127E–2.0	63–1	7.0b,7.0			
PTWC	VIII	11 17 46 15	6.50N	126.80E	36	7.3,7.0			
DJA	VIII	11 17 46 16.6–.20	6N–2.0	127E–1.0	81–2	7.2,7.2W			
GCMT	VIII	11 17 46 29.1–.10	6.09N	127.00E	45–0	7.1W,7.2W			
NEIC	VIII	11 17 46 39	6.18N	127.01E	50	7.1,7.2W			

ISC Event type se.

MOS Error ellipse: s-maj=6.2km s-min=3.5km az=114.7. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s166.00000°,δ51.00000°,λ53.00000°. NP2: ϕ_s36.00000°,δ51.00000°,λ127.00000°. Principal axes: T Plg62.0000°,Azm11.0000° ; N Plg28.0000°,Azm191.0000°; P Plg0.0000°,Azm101.0000°

IDC Error ellipse: s-maj=9.6km s-min=5.2km az=77.0.

MAN Event type fe. INTENSITY V - CITY OF MATI BAGANGA GOVERNOR GENEROSO AND LUPON DAVAO ORIENTAL; CITY OF PANABO CITY OF TAGUM AND CARMEN DAVAO DEL NORTE; NABUNTURAN; DAVAO DE ORO; CITY OF GENERAL SANTOS; ALABEL AND MALUNGON SARANGANI; SARANGANI DAVAO OCCIDENTAL; . INTENSITY IV - CITY OF DAVAO; KIBLAWAN DAVAO DEL SUR; CITY OF KORONADAL BANGA POLOMOLOK TAMPAKAN AND TUPI SOUTH COTABATO; GLAN MALAPATAN AND ; KIAMBA SARANGANI; MONKAYO DAVAO DE ORO; . INTENSITY III - CITY OF KIDAPAWAN AND KABACAN COTABATO; CITY OF BAYUGAN AGUSAN DEL SUR; MAASIM SARANGANI; NORALA SURALLAH SANTO NINO AND T"BOLI SOUTH ; COTABATO; . INTENSITY II - CITY OF CAGAYAN DE ORO; CITY OF TACURONG AND PRESIDENT QUIRINO SULTAN KUDARAT; CITY OF BISLIG AND HINATUAN SURIGAO DEL SUR; TALAKAG BUKIDNON; ; ALAMEDA ANTIPAS ARAKAN BANISILAN MAGPET AND PRESIDENT ROXAS COTABATO; . INTENSITY I - MAMBAJAO CAMIGUIN.

NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.8km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s173.00000°,δ50.00000°,λ56.00000°. NP2:ϕ_s40.00000° ,δ50.00000°,λ124.00000°.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}4.13 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-4.78 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.86 $M_{\phi r}$-1.58 NP1: ϕ_s175.88846°,δ55.39992°,λ73.86328°. NP2:ϕ_s22.88831°,δ37.74855°,λ111.94360°. Principal axes: T 4.5861,Plg73.8713°,Azm40.8609°; N 0.5555,Plg13.2249°,Azm185.2185° ; P -5.1416,Plg9.0668°,Azm277.3677° $M_0$4.88759×10^{19}

GFZ Error ellipse: s-maj=3.4km s-min=2.7km az=77.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108111746A. Moment Tensor Solution. s171,c448; s176,c849;Duration: 8$\mathfrak{s}$6 Moment tensor: Scale 10^{19}Nm; M_{rr}4.56±.02 $M_{\theta\theta}$0.91±.01; $M_{\phi\phi}$-5.47±.01; $M_{r\theta}$1.84±.03; $M_{\theta\phi}$-1.01±.01; $M_{\phi r}$-0.63±.03; Best double couple: NP1:ϕ_s31.00000°,δ48.00000°,λ123.00000°. NP2:ϕ_s167.00000°,δ52.00000°,λ59.00000°. Principal axes: T 5.4150,Plg66.0000°,Azm13.0000°; N 0.2270,Plg24.0000°,Azm187.0000° ; P -5.6380,Plg2.0000°,Azm278.0000° $M_0$5.52700×10^{19}

NEIC Event type se. Moment Tensor Solution.Duration: 18$\mathfrak{s}$5 Moment tensor: Scale 10^{19}Nm; M_{rr}4.36 $M_{\theta\theta}$0.66 $M_{\phi\phi}$-5.02 $M_{r\theta}$3.06 $M_{\theta\phi}$-0.52 $M_{\phi r}$-0.56 NP1:ϕ_s31.11000°,δ50.25000° ,λ130.04000°. NP2:ϕ_s158.39000°,δ53.94000°,λ52.28000°. Principal axes: T 6.1300,Plg60.0000°,Azm8.0000°; N -1.0536,Plg30.0000°,Azm183.0000° ; P -5.0764,Plg2.0000°,Azm274.0000° $M_0$5.68000×10^{19}

(248) Philippine Islands region

ISC	**VIII**	**12 02 26 11.9–.34**	**6.18N–.03**	**127.33E–.04**	**50–2**	**4.9b,4.2s**	**390**	**1-167**	
MAN	VIII	12 02 26 04.8	6.16N	127.50E	15	5.5b,4.8s			**¶620983369**
GFZ	VIII	12 02 26 09.8–.32	6N–3.0	127E–4.0	41–3	5.0,4.9b			
NEIC	VIII	12 02 26 11.3–1.9	6.15N–.07	127.29E–.08	35–1	5.2b,4.9b			
IDC	VIII	12 02 26 13.2–1.6	6.29N	127.33E	67–12	4.4,4.1b			
DJA	VIII	12 02 26 14.7–.60	6N–4.0	127E–3.0	10	5.3b,5.0b			

ISC Event type se.

MAN Event type fe.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(248) Philippine Islands region

ISC	**VIII**	**12 08 49 56.9–.93**	**6.27N–.03**	**127.38E–.06**	**42–9**	**4.7b,3.4s**	**159**	**1-147**	
MAN	VIII	12 08 49 55.8	6.26N	127.34E	23	5.2b,4.2s			**¶621009394**
IDC	VIII	12 08 49 56.4–1.9	6.24N	127.32E	39–17	4.2L,4.2			
DJA	VIII	12 08 49 56.6–1.4	6N–11	127E–4.0	10–18	5.6b,5.1			
NEIC	VIII	12 08 49 57.7–1.6	6.22N–.07	127.31E–.08	46–5	4.7b,5.1			

ISC Event type se.

MAN Event type fe.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(248) Philippine Islands region

ISC	**VIII**	**12 11 25 10.7–.76**	**5.97N–.04**	**127.30E–.05**	**61–7**	**4.5b**	**171**	**1-123**	
MAN	VIII	12 11 25 01.5	5.81N	127.66E	15	5.5b,4.8s			**¶621009404**
IDC	VIII	12 11 25 10.0–1.3	6.01N	127.32E	56–11	4.2,4.1s			
NEIC	VIII	12 11 25 10.4–2.6	6.01N–.07	127.31E–.08	54–7	4.6b,4.1s			
DJA	VIII	12 11 25 12.7–.90	6N–8.0	127E–4.0	54–9	5.2b,5.1			

ISC Event type se.

MAN Event type fe.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(353) Southern Iran

ISC	**VIII**	**12 12 24 05.6–.43**	**28.32N–.03**	**57.61E–.03**	**8–2**	**5.0b,3.9s**	**868**	**1-129**	
BJI	VIII	12 12 24 00.9	28.26N	57.13E	10	5.0b,4.7b			**¶620984156**
OMAN	VIII	12 12 24 02.3–.11	28.53N	57.91E	10	4.9L,4.8			
IDC	VIII	12 12 24 04.2–.44	28.30N	57.60E	0	4.8b,4.8			
MOS	VIII	12 12 24 04.3–.84	28.32N	57.53E	13	5.1b,4.8			
TEH	VIII	12 12 24 05.1	28.32N	57.71E	8	4.9L,4.8			
NEIC	VIII	12 12 24 06.0–1.1	28.34N–.07	57.47E–.09	10–1	5.0b,4.8			
GFZ	VIII	12 12 24 06.9–.23	28N–3.0	58E–3.0	10	5.2b,5.0			
THR	VIII	12 12 24 06.2–.00	28.33N	57.66E	16–8	5.0L,5.0			
DSN	VIII	12 12 24 09.8–1.1	28.35N	57.45E	30	5.5b,4.8L			
BGR	VIII	12 12 24 12.1	28.42N	57.04E	33	4.9b,3.6s			

ISC Event type ke.

OMAN Error ellipse: s-maj=2.2km s-min=1.5km az=225.0.

IDC Error ellipse: s-maj=11.6km s-min=7.9km az=2.0.

MOS Error ellipse: s-maj=4.8km s-min=3.3km az=111.1.

TEH Event type se. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.1km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

THR Event type se. Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0. Presumed earthquake.

DSN Error ellipse: s-maj=16.8km s-min=6.5km az=76.0.

BGR Event type ke.

(248) Philippine Islands region

ISC	**VIII**	**12 14 54 20.6–.60**	**6.05N–.03**	**127.18E–.05**	**59–5**	**4.6b,3.7s**	**244**	**1-123**	
MAN	VIII	12 14 54 14.6	5.90N	127.49E	33	5.5b,4.8s			**¶620984168**
IDC	VIII	12 14 54 18.1–1.3	6.04N	127.12E	42–11	4.6L,4.3			
DJA	VIII	12 14 54 19.0–.60	6N–5.0	127E–4.0	10	5.1b,5.0b			
NEIC	VIII	12 14 54 21.0–2.5	6.05N–.08	127.14E–.09	63–6	4.6b,5.0b			

ISC Event type se.

MAN Event type fe.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(248) Philippine Islands region

ISC	**VIII**	**12 15 42 28.8–.29**	**6.14N–.03**	**127.24E–.04**	**49–2**	**5.0b,4.9s**	**490**	**1-156**	
MAN	VIII	12 15 42 24.1	6.12N	127.54E	35	5.7b,5.1s			**¶622451427**
GFZ	VIII	12 15 42 25.5–.21	6N–3.0	127E–4.0	10	5.1b,4.9			
BJI	VIII	12 15 42 26.4	5.84N	127.25E	70	5.1s,5.1b			
NEIC	VIII	12 15 42 27.6–1.9	6.14N–.06	127.17E–.06	35–1	5.2b,5.1b			
DJA	VIII	12 15 42 27.2–.90	6N–7.0	127E–5.0	10	5.5b,5.5b			
GCMT	VIII	12 15 42 29.2–.20	6.05N–.02	127.35E–.01	19–0	5.2W,5.5b			
NEIC	VIII	12 15 42 29.8	6.10N	127.08E	58	5.2W,5.5b			
IDC	VIII	12 15 42 32.2–1.3	6.32N	127.11E	71–10	4.6,4.5s			
NEIC	VIII	12 15 42 34.2	5.90N	127.28E	22	5.1,4.5s			

ISC Event type se.

MAN Event type fe. INTENSITY III - CITY OF MATI AND LUPON DAVAO ORIENTAL.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.8km az=226.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108121542A. Moment Tensor Solution. s85,c124; s102,c162;Duration: 1$\mathfrak{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.60±.02 $M_{\theta\theta}$0.07±.01; $M_{\phi\phi}$-0.67±.02; $M_{r\theta}$0.18±.03; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$0.48±.04; Best double couple: NP1: ϕ_s172.00000°,δ27.00000°,λ69.00000°. NP2:ϕ_s15.00000°,δ65.00000°,λ100.00000°. Principal axes: T 0.7960,Plg69.0000°,Azm305.0000°; N 0.0510,Plg9.0000°,Azm190.0000° ; P -0.8470,Plg19.0000°,Azm97.0000° $M_0$0.82100×10^{17}

NEIC Event type se.

IDC Error ellipse: s-maj=13.5km s-min=9.4km az=67.0.

NEIC Event type se. Moment Tensor Solution.Duration: 1$\mathfrak{s}$6 Moment tensor: Scale 10^{16}Nm; M_{rr}5.61 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-5.63 $M_{r\theta}$-0.20 $M_{\theta\phi}$-0.62 $M_{\phi r}$-1.53 NP1:ϕ_s5.84000°,δ37.37000° ,λ89.43000°. NP2:ϕ_s186.56000°,δ52.63000°,λ90.43000°. Principal axes: T 5.8176,Plg82.0000°,Azm99.0000°; N 0.0829,Plg0.0000°,Azm6.0000° ; P -5.9005,Plg8.0000°,Azm276.0000° $M_0$5.86000×10^{16}

(248) Philippine Islands region

ISC	**VIII**	**12 15 53 33.5–.38**	**6.19N–.02**	**127.29E–.03**	**43–2**	**5.4s,5.4b**	**1215**	**1-177**	
IPGP	VIII	12 15 53 28.0	6.29N	127.38E	16	5.8W,5.4b			**¶620984165**
NEIC	VIII	12 15 53 28.5–1.5	6.29N–.04	127.30E–.05	10–1	5.6b,5.4			
MAN	VIII	12 15 53 29.8	6.20N	127.52E	33	6.3b,6.0s			
NEIC	VIII	12 15 53 29	6.29N	127.22E	3	6.3b,6.0s			
BJI	VIII	12 15 53 30.1	6.27N	127.16E	25	5.5s,5.5b			
MOS	VIII	12 15 53 30.4–1.2	6.17N	127.02E	29	5.5b,5.4s			
GFZ	VIII	12 15 53 33.3	6.23N	127.17E	21	5.6W,5.4s			
IDC	VIII	12 15 53 34.3–.67	6.21N	127.16E	50–5	5.2s,5.0			
DJA	VIII	12 15 53 36.4–.40	6N–3.0	127E–2.0	49–4	5.9b,5.8			
PTWC	VIII	12 15 53 36	6.20N	127.20E	44	5.7,5.8			
GFZ	VIII	12 15 53 36.1–.10	6N–2.0	127E–2.0	56	5.4,5.4b			
GCMT	VIII	12 15 53 36.6–.10	6.06N–.01	127.32E–.01	22–0	5.7W,5.4b			
NEIC	VIII	12 15 53 40.3	6.29N	127.22E	12	5.7,5.4b			

ISC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s148.00000°,δ38.00000°,λ31.00000°. NP2:ϕ_s32.00000° ,δ72.00000°,λ124.00000°.

NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.6km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MAN Event type fe. INTENSITY II - CITY OF TAGUM DAVAO DEL NORTE; LUPON DAVAO ORIENTAL.

NEIC Event type se.

MOS Error ellipse: s-maj=7.4km s-min=3.7km az=117.2.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.69 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-2.09 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.03 $M_{\phi r}$2.04 NP1: ϕ_s166.15128°,δ22.59376°,λ66.16335°. NP2:ϕ_s11.72445°,δ69.42559°,λ99.54620°. Principal axes: T 2.6749,Plg64.3337°,Azm297.4332°; N 0.3220,Plg8.9322°,Azm188.3422° ; P -2.9969,Plg23.8500°,Azm94.3579° $M_0$2.84958×10^{17}

IDC Error ellipse: s-maj=7.8km s-min=5.4km az=59.0.

PTWC PHILIPPINE ISLANDS REGION.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108121553A. Moment Tensor Solution. s143,c281; s154,c320;Duration: 1$\mathfrak{s}$7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.90±.04 $M_{\theta\theta}$0.68±.03; $M_{\phi\phi}$-3.58±.03; $M_{r\theta}$1.08±.06; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$1.96±.07; Best double couple: NP1: ϕ_s168.00000°,δ31.00000°,λ61.00000°. NP2:ϕ_s20.00000°,δ63.00000°,λ106.00000°. Principal axes: T 3.7360,Plg68.0000°,Azm322.0000°; N 0.4820,Plg14.0000°,Azm193.0000° ; P -4.2230,Plg16.0000°,Azm98.0000° $M_0$3.97900×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3$\mathfrak{s}$5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.07 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-1.99 $M_{r\theta}$0.80 $M_{\theta\phi}$0.21 $M_{\phi r}$3.74 NP1:ϕ_s144.48000°,δ14.92000° ,λ42.38000°. NP2:ϕ_s13.07000°,δ80.00000°,λ101.14000°. Principal axes: T 3.7984,Plg54.0000°,Azm296.0000°; N 0.7201,Plg11.0000°,Azm191.0000° ; P -4.5186,Plg34.0000°,Azm94.0000° $M_0$4.21000×10^{17}

(248) Philippine Islands region

ISC	**VIII**	**12 18 01 16.6–.33**	**6.24N–.03**	**127.29E–.04**	**57–2**	**4.8b,4.3s**	**333**	**1-151**	
MAN	VIII	12 18 01 13.5	6.36N	127.29E	17	5.5b,4.8s			**¶620984521**
IDC	VIII	12 18 01 16.6–1.4	6.14N	127.12E	59–12	4.3,4.3s			
NEIC	VIII	12 18 01 17.8–1.5	6.16N–.06	126.98E–.09	60–6	4.9b,4.3s			
DJA	VIII	12 18 01 17.5–.60	6N–5.0	127E–4.0	53–7	5.2,5.2b			

ISC Event type se.

MAN Event type fe.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**12 18 32 52.4–.33**	**57.68S–.04**	**24.93W–.04**	**28–2**	**7.7s,6.1b**	**1069**	**7-175**	
IDC	VIII	12 18 32 45.9–.34	57.36S	24.83W	0	5.4L,4.8b			**¶621237435**
GFZ	VIII	12 18 32 49.4	57.62S	25.33W	13	7.7W,4.8b			
GFZ	VIII	12 18 32 49.5–.12	58S–3.0	25W–2.0	10	7.2,7.1b			
MOS	VIII	12 18 32 50.7–1.0	57.53S	25.23W	58	7.4s,6.3b			
NEIC	VIII	12 18 32 52.5–2.4	57.57S–.09	25.0W–.20	47–4	7.8,6.3b			
IPGP	VIII	12 18 32 54.0	57.60S	25.19W	40	7.9W,6.3b			
NEIC	VIII	12 18 32 54.5	57.60S	25.19W	63	7.9W,6.3b			
PTWC	VIII	12 18 32 55	57.40S	24.80W	78	7.6,6.3b			
BJI	VIII	12 18 32 55.4	57.21S	24.81W	50	7.9s,7.8			
NEIC	VIII	12 18 33 30.8	57.70S	24.07W	50	7.5,7.8			

ISC Event type se.

IDC Error ellipse: s-maj=16.1km s-min=11.4km az=31.0.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}1.74 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-1.43 $M_{r\theta}$-1.06 $M_{\theta\phi}$0.43 $M_{\phi r}$3.95 NP1: ϕ_s159.02913°,δ11.06039°,λ84.46005°. NP2:ϕ_s344.67326°,δ78.99192°,λ91.08110°. Principal axes: T 4.4967,Plg55.9954°,Azm256.0402°; N -0.1685,Plg1.0612°,Azm164.4668° ; P -4.3282,Plg33.9834°,Azm73.7514° $M_0$4.41487×10^{20}

GFZ Error ellipse: s-maj=6.4km s-min=4.6km az=24.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

MOS Error ellipse: s-maj=16.9km s-min=9.7km az=106.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s335.00000°,δ71.00000°,λ95.00000°. NP2: ϕ_s140.00000°,δ20.00000°,λ76.00000°. Principal axes: T Plg64.0000°,Azm253.0000° ; N Plg5.0000°,Azm153.0000°; P Plg26.0000°,Azm61.0000°

NEIC Event type se. Error ellipse: s-maj=13.9km s-min=11.7km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IPGP Moment Tensor Solution. NP1:ϕ_s199.00000°,δ19.00000°,λ124.00000°. NP2:ϕ_s343.00000° ,δ74.00000°,λ79.00000°.

NEIC Event type se.

PTWC SOUTH SANDWICH ISLANDS REGION.

NEIC Event type se. Moment Tensor Solution.Duration: 28$\mathfrak{s}$6 Moment tensor: Scale 10^{20}Nm; M_{rr}1.57 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$-0.44 $M_{r\theta}$-0.68 $M_{\theta\phi}$0.63 $M_{\phi r}$1.43 NP1:ϕ_s105.99000°,δ26.38000° ,λ56.03000°. NP2:ϕ_s322.93000°,δ68.38000°,λ105.49000°. Principal axes: T 2.3466,Plg63.0000°,Azm258.0000°; N -0.3062,Plg14.0000°,Azm137.0000° ; P -2.0404,Plg22.0000°,Azm41.0000° $M_0$2.21000×10^{20}

(153) South Sandwich Islands region

ISC	**VIII**	**12 18 35 19.6–.31**	**58.37S–.07**	**25.37W–.06**	**38**	**7.8s,6.4b**	**170**	**7-174**	
MOS	VIII	12 18 35 17.8–1.8	58.47S	25.26W	46	7.6s,6.6b			**¶620986442**
NEIC	VIII	12 18 35 17.2–1.6	58.38S–.09	25.3W–.10	23–3	7.8,6.5b			
NEIC	VIII	12 18 35 19.1	58.41S	25.26W	38	7.8,6.5b			
NEIC	VIII	12 18 35 21	58.45S	25.33W	56	7.8,6.5b			
GFZ	VIII	12 18 35 22.3	58.42S	25.21W	11	8.0W,6.5b			

GFZ	VIII	12 18 35 22.3–.41	58S–10	25W–8.0	10	6.8,6.2b	
GCMT	VIII	12 18 35 25.1–1.3	59.5S–.10	24.3W–.30	20	8.3W,6.2b	
IDC	VIII	12 18 35 26.7–.49	58.42S	26.59W	0	6.4L,5.9b	
NEIC	VIII	12 18 35 57.5	60.38S	24.91W	10	8.0,5.9b	
NEIC	VIII	12 18 36 55.8	60.81S	23.16W	36	8.1,5.9b	

ISC Event type se.
MOS Error ellipse: s-maj=20.1km s-min=11.8km az=109.9.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.3km az=163.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{21}Nm; M_{rr}0.41 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.57 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.94 NP1: ϕ_s207.20719°,δ11.62723°,λ86.23245°. NP2:ϕ_s31.05344°,δ78.39825°,λ90.77463°.
Principal axes: T 1.1359,Plg56.5952°,Azm302.0484°; N 0.1105,Plg0.7588°,Azm210.8976°
; P -1.2464,Plg33.3939°,Azm120.3974° $M_0$1.19502×10^{21}
GFZ Error ellipse: s-maj=22.3km s-min=16.1km az=22.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves. nsta2 refers to mantle waves, cutoff=500s. Triangular moment-rate function. ID: M202108121832A. Moment Tensor Solution. s20,c59;
Duration: 150s0 Moment tensor: Scale 10^{21}Nm; M_{rr}1.39±.03 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$-1.24±.02; $M_{r\theta}$-0.37±.25; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$2.75±.31; Best double couple: NP1:ϕ_s204.00000°,δ14.00000°,λ118.00000°. NP2:ϕ_s355.00000°,δ78.00000°,λ83.00000°. Principal axes:
T 3.1850,Plg57.0000°,Azm256.0000°; N -0.2080,Plg7.0000°,Azm356.0000°
; P -2.9730,Plg32.0000°,Azm90.0000° $M_0$3.07900×10^{21}
IDC Error ellipse: s-maj=23.3km s-min=20.8km az=23.0.
NEIC Event type se. Moment Tensor Solution.Duration: 54s3 Moment tensor: Scale 10^{21}Nm; M_{rr}0.44 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.39 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.98 NP1:ϕ_s4.12000°,δ77.62000°
,λ66.20000°. NP2:ϕ_s248.19000°,δ26.66000°,λ151.45000°. Principal axes:
T 1.1653,Plg52.0000°,Azm247.0000°; N 0.0243,Plg23.0000°,Azm10.0000°
; P -1.1896,Plg29.0000°,Azm113.0000° $M_0$1.18000×10^{21}
NEIC Event type se. Moment Tensor Solution.Duration: 133s3 Moment tensor: Scale 10^{21}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.54 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.41 $M_{\phi r}$1.71 NP1:ϕ_s222.95000°,δ11.17000°
,λ109.89000°. NP2:ϕ_s22.70000°,δ79.50000°,λ86.16000°. Principal axes:
T 1.9287,Plg55.0000°,Azm288.0000°; N 0.1184,Plg4.0000°,Azm23.0000°
; P -2.0471,Plg34.0000°,Azm116.0000° $M_0$1.99000×10^{21}

(153) South Sandwich Islands region

ISC	**VIII**	**12 18 36 58.7–.38**	**60.00S–.10**	**26.37W–.09**	**26**	**7.6s,6.6b**	**107**	**8-159**
IDC	VIII	12 18 36 55.2–.48	60.02S	26.41W	0	7.6s,6.2b		**¶621009447**
NEIC	VIII	12 18 36 59.7–2.5	59.98S–.03	26.4W–.20	35–1	6.7b,6.2b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**12 18 38 11.2–.74**	**61.1S–.20**	**29.9W–.20**	**10**	**6.0b**	**14**	**13-152**
IDC	VIII	12 18 38 09.2–1.0	61.42S	29.85W	0	6.0b,6.0		**¶621009448**

ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=25.8km az=42.0.

(153) South Sandwich Islands region

ISC	**VIII**	**12 18 41 20.9–.32**	**60.28S–.06**	**26.83W–.08**	**19**	**6.0b**	**149**	**8-159**
IDC	VIII	12 18 41 17.8–.46	60.35S	27.19W	0	5.7L,5.6		**¶620984523**
NEIC	VIII	12 18 41 22.6–2.4	60.36S–.08	26.8W–.20	35–1	6.1b,5.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**12 18 41 56.0–.40**	**60.33S–.09**	**26.43W–.08**	**20**	**5.7b**	**74**	**8-172**
IDC	VIII	12 18 41 52.8–.52	60.22S	26.29W	0	5.6b,5.5L		**¶621009451**
NEIC	VIII	12 18 41 58.5–1.3	60.3S–.10	26.5W–.20	35–1	5.8b,5.5L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**12 18 47 03.9–.43**	**59.52S–.08**	**25.71W–.09**	**32**	**5.3b**	**75**	**8-153**
IDC	VIII	12 18 46 58.8–.72	59.52S	25.63W	0	5.4L,4.8b		**¶621009452**
NEIC	VIII	12 18 47 04.6–2.5	59.5S–.10	25.7W–.20	35–1	5.6b,4.8b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**12 18 48 11.4–.38**	**60.36S–.08**	**26.27W–.08**	**20**	**5.5b**	**112**	**8-158**
NEIC	VIII	12 18 48 06–1.8	60.4S–.10	25.2W–.30	10–1	5.6b		**¶621237437**
IDC	VIII	12 18 48 09.2–.48	60.08S	26.29W	0	5.6L,5.0b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.6km s-min=4.0km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=13.6km az=22.0.

(153) South Sandwich Islands region

ISC	**VIII**	**12 18 49 51.3–.25**	**57.00S–.06**	**25.19W–.05**	**22**	**7.6s,5.8b**	**322**	**7-168**
IDC	VIII	12 18 49 47.3–.42	56.99S	25.14W	0	5.1b,5.1		**¶620984177**
MOS	VIII	12 18 49 48.8–1.2	57.08S	25.30W	27	5.7b,5.1		
NEIC	VIII	12 18 49 50.9–1.7	57.02S–.09	25.2W–.20	24–4	5.9b,5.1		
GFZ	VIII	12 18 49 51.4–.20	57S–4.0	25W–4.0	10	6.0b,6.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(153) South Sandwich Islands region

ISC	**VIII**	**12 19 07 53.6–.64**	**56.98S–.05**	**25.22W–.05**	**19–2**	**7.6s,5.9b**	**722**	**7-176**
IDC	VIII	12 19 07 50.8–.31	56.95S	25.05W	0	6.8s,5.6b		**¶620984518**
GFZ	VIII	12 19 07 53.7–.11	57S–3.0	25W–2.0	10	5.9b,5.9		
NEIC	VIII	12 19 07 53.9–1.4	57.02S–.08	25.20W–.09	25–3	5.9b,5.9		
MOS	VIII	12 19 07 53.7–1.4	56.97S	25.32W	26	5.8b,5.9		

ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=11.5km az=21.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.3km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=16.4km s-min=9.8km az=100.9.

(153) South Sandwich Islands region

ISC	**VIII**	**12 19 29 14.7–.30**	**59.83S–.05**	**26.46W–.05**	**46–2**	**7.4s,5.6b**	**629**	**8-177**
GFZ	VIII	12 19 29 10.6–.26	60S–4.0	26W–5.0	10	5.8b,5.8		**¶620984522**
MOS	VIII	12 19 29 12.7–1.1	59.81S	26.50W	37	5.7b,5.8		
IDC	VIII	12 19 29 14.2–1.6	59.74S	26.38W	36–12	6.1L,5.4		
NEIC	VIII	12 19 29 15.4–1.9	59.79S–.01	26.5W–.20	50–4	5.6b,5.4		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**12 19 43 46.5–.30**	**59.79S–.05**	**26.49W–.05**	**41–2**	**7.1s,5.8b**	**747**	**8-179**
GFZ	VIII	12 19 43 43.7–.11	60S–3.0	27W–2.0	10	5.8b,5.8		**¶621072555**
NEIC	VIII	12 19 43 46.0–2.1	59.84S–.09	26.5W–.20	35–1	7.0,6.0b		
MOS	VIII	12 19 43 48.3–1.1	59.77S	26.46W	34	5.7b,6.0b		
IDC	VIII	12 19 43 52.7–3.7	59.74S	26.49W	93–31	5.3,5.1b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.1km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=21.0km s-min=10.2km az=106.0.
IDC Error ellipse: s-maj=15.0km s-min=10.3km az=53.0.

(153) South Sandwich Islands region

ISC	**VIII**	**12 19 44 53.2–.33**	**59.89S–.05**	**26.49W–.05**	**45–2**	**6.8s,5.8b**	**665**	**8-179**
GFZ	VIII	12 19 44 49.7–.13	60S–3.0	27W–2.0	10	5.9b,5.9		**¶620984526**
MOS	VIII	12 19 44 51.0–1.1	59.80S	26.40W	34	6.0b,5.9		
NEIC	VIII	12 19 44 52.8–2.0	59.87S–.08	26.5W–.20	40–4	5.9b,5.9		
IDC	VIII	12 19 45 01.0–3.8	59.85S	26.49W	111–33	6.4s,5.6		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
MOS Error ellipse: s-maj=21.9km s-min=10.3km az=104.9.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=10.7km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=10.9km az=52.0.

(153) South Sandwich Islands region

ISC	**VIII**	**12 20 06 33.4–.20**	**58.55S–.05**	**25.15W–.05**	**28**	**6.3s,5.7b**	**592**	**8-174**
IDC	VIII	12 20 06 28.9–.33	58.41S	25.02W	0	6.4s,5.5b		**¶620984513**
GFZ	VIII	12 20 06 31.9–.12	59S–3.0	25W–2.0	10	6.4,5.8b		
MOS	VIII	12 20 06 33.9–1.5	58.31S	25.05W	49	5.8b,5.8b		
NEIC	VIII	12 20 06 34.2–2.2	58.54S–.09	25.2W–.20	45–4	5.8b,5.8b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(248) Philippine Islands region

ISC	**VIII**	**12 20 17 08.4–.32**	**6.01N–.03**	**127.15E–.04**	**54–2**	**5.1b**	**484**	**1-144**
MAN	VIII	12 20 17 04.9	6.00N	127.37E	56	5.9b,5.4s		**¶620984515**
IDC	VIII	12 20 17 07.1–1.2	6.05N	127.11E	47–11	4.8,4.6L		
NEIC	VIII	12 20 17 08.7–2.4	5.97N–.07	127.20E–.08	55–7	5.2b,4.6L		
DJA	VIII	12 20 17 08.0–.80	6N–7.0	127E–4.0	119–15	5.5,5.5		
GFZ	VIII	12 20 17 08.9–.15	6N–2.0	127E–3.0	54	5.2b,5.2		

ISC Event type se.
MAN Event type fe. INTENSITY III - CITY OF MATI DAVAO ORIENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(248) Philippine Islands region

ISC	**VIII**	**12 20 28 38.7–.35**	**6.13N–.03**	**127.21E–.04**	**57–3**	**5.0b**	**447**	**1-123**
MAN	VIII	12 20 28 35.0	6.16N	127.40E	29	5.8b,5.2s		**¶620984535**
IDC	VIII	12 20 28 37.6–1.4	6.11N	127.11E	49–12	4.6,4.4b		
DJA	VIII	12 20 28 37.1–.90	6N–7.0	127E–6.0	10	5.4b,5.3		
NEIC	VIII	12 20 28 38.5–1.9	6.09N–.04	127.16E–.08	53–7	5.0b,5.3		
GFZ	VIII	12 20 28 41.5–.17	6N–2.0	127E–2.0	83	5.0b,5.0		

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(153) South Sandwich Islands region

ISC	**VIII**	**12 20 38 06.2–.54**	**59.49S–.06**	**25.95W–.06**	**54–4**	**5.4b**	**310**	**8-173**
MOS	VIII	12 20 38 00.4–1.5	59.44S	25.80W	18	5.5b		**¶620984541**
GFZ	VIII	12 20 38 00.9–.26	59S–4.0	26W–5.0	10	5.6b,5.6		
IDC	VIII	12 20 38 03.8–1.6	59.45S	25.73W	30–10	5.0,4.8b		
NEIC	VIII	12 20 38 05.8–1.6	59.56S–.09	25.9W–.20	58–5	5.4b,4.8b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(326) Southwestern Siberia

ISC	**VIII**	**12 20 41 56.3–.48**	**54.27N–.02**	**87.07E–.01**	**6–2**	**5.7s,4.8b**	**620**	**0-160**
NNC	VIII	12 20 41 52.4–2.7	54.33N	87.32E	0	5.3b,5.2		**¶620984539**
BJI	VIII	12 20 41 54.5	54.24N	86.80E	8	4.6b,5.2		
MOS	VIII	12 20 41 54.9–1.2	54.20N	87.05E	2	5.6s,5.1b		
ASGSR	VIII	12 20 41 55.8	54N–1.0	87E–1.0	3–1	5.6,5.1b		
IDC	VIII	12 20 41 55.6–.41	54.29N	87.10E	0	4.3b,4.3		
NEIC	VIII	12 20 41 57.0–1.6	54.29N–.04	87.05E–.08	10–1	5.0b,4.3		
GFZ	VIII	12 20 41 58.2–.28	54N–3.0	87E–4.0	10	4.8b,4.8		
BGR	VIII	12 20 42 07.3	53.92N	85.80E	33	5.0b,4.8		

ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=22.3km s-min=14.8km az=23.0.
MOS Event type fe. Error ellipse: s-maj=4.6km s-min=4.1km az=102.3. Felt (IV) at Bol'shaya Talda, Prokop'evsk; (II) at Novokuznetsk; (II) at Kemerovo. Moment Tensor Solution.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/Hypo71. manual. confirmed.
IDC Error ellipse: s-maj=9.2km s-min=6.9km az=172.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=3.8km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.

(153) South Sandwich Islands region

ISC	**VIII**	**12 20 44 34.4–.41**	**59.82S–.07**	**26.40W–.07**	**35**	**5.0b**	**97**	**9-153**
IDC	VIII	12 20 44 28.8–.59	59.78S	26.34W	0	5.8s,4.6b		**¶621009521**
NEIC	VIII	12 20 44 34.4–1.7	59.9S–.10	26.4W–.20	33–4	5.0b,4.6b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(248) Philippine Islands region

ISC	**VIII**	**12 21 03 44.6–.27**	**6.01N–.03**	**127.21E–.04**	**54–2**	**5.2b**	**801**	**1-155**
MAN	VIII	12 21 03 39.6	6.01N	127.46E	14	5.8b,5.2s		**¶620984544**
BJI	VIII	12 21 03 41.4	5.86N	127.29E	61	5.9s,5.8		
MOS	VIII	12 21 03 41.7–.93	6.12N	127.01E	35	5.5b,5.8		
DJA	VIII	12 21 03 43.9–.60	6N–6.0	127E–4.0	10	6.1b,5.8		
NEIC	VIII	12 21 03 44.9–2.1	6.01N–.06	127.15E–.07	48–5	5.3b,5.8		
IDC	VIII	12 21 03 44.9–.98	6.12N	127.33E	54–7	4.8,4.5b		
GFZ	VIII	12 21 03 47.1–.12	6N–2.0	127E–3.0	72	5.2b,5.2		

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(153) South Sandwich Islands region

ISC	**VIII**	**12 21 30 49.8–.83**	**57.4S–.20**	**25.1W–.20**	**15**		**10**	**20-152**
IDC	VIII	12 21 30 47.6–.82	57.42S	25.05W	0	5.8s,4.4b		**¶621009545**

ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=28.0km az=119.0.

(153) South Sandwich Islands region

ISC	**VIII**	**12 22 08 35.7–.33**	**58.03S–.05**	**25.27W–.05**	**40–3**	**5.8s,5.6b**	**552**	**7-175**
IDC	VIII	12 22 08 29.5–.34	57.89S	25.04W	0	5.7s,5.2b		**¶620984554**
GFZ	VIII	12 22 08 32.5–.15	58S–3.0	25W–3.0	10	6.2,5.5b		
MOS	VIII	12 22 08 34.9–1.0	57.97S	25.27W	41	5.7s,5.6b		
NEIC	VIII	12 22 08 35.8–1.9	57.99S–.09	25.2W–.20	35–1	5.8,5.6b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**12 23 23 43.9–.38**	**58.71S–.05**	**25.22W–.06**	**34–1**	**5.5s,5.1b**	**364**	**8-174**
IDC	VIII	12 23 23 39.0–.40	58.64S	25.05W	0	5.0b,4.9		**¶620984565**
GFZ	VIII	12 23 23 40.8–.37	59S–5.0	25W–7.0	10	5.5,5.1b		
NEIC	VIII	12 23 23 45.0–1.5	58.76S–.08	25.3W–.20	43–4	5.2b,5.1b		
BJI	VIII	12 23 23 46.5	58.80S	25.20W	50	5.7s,5.5		

ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=13.6km az=65.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.7km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**12 23 24 26.7–.29**	**58.74S–.05**	**25.26W–.06**	**36–4**	**5.5s,5.4b**	**298**	**8-176**
IDC	VIII	12 23 24 21.4–.40	58.62S	25.01W	0	5.2L,5.2b		¶621237466
MOS	VIII	12 23 24 25.4–1.2	58.70S	25.23W	38	5.4b,5.2b		
NEIC	VIII	12 23 24 26.3–2.0	58.76S–.09	25.1W–.20	36–4	5.5,5.5b		
BJI	VIII	12 23 24 28.0	58.80S	25.10W	51	5.7s,5.5		

ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=13.7km az=58.0.
MOS Error ellipse: s-maj=22.7km s-min=10.8km az=109.1.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=11.2km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**12 23 50 11.8–.22**	**58.36S–.05**	**24.28W–.05**	**10**	**5.4b,5.2s**	**470**	**8-175**
IDC	VIII	12 23 50 10.1–.34	58.22S	24.32W	0	5.1L,5.1b		¶621237469
NEIC	VIII	12 23 50 11.6–1.7	58.37S–.06	24.3W–.10	10–1	5.5b,5.1		
MOS	VIII	12 23 50 14.6–1.1	58.45S	24.71W	37	5.4b,5.1s		
GFZ	VIII	12 23 50 16.0–.24	58S–3.0	25W–3.0	30–1	6.1b,5.7		
BJI	VIII	12 23 50 15.0	58.40S	24.40W	33	5.7s,5.4		

ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=12.2km az=50.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.5km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=21.7km s-min=10.9km az=108.8.
GFZ Error ellipse: s-maj=7.5km s-min=5.1km az=24.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(153) South Sandwich Islands region

ISC	**VIII**	**13 03 43 15.9–.29**	**58.00S–.04**	**25.41W–.05**	**40–2**	**5.7b,5.1s**	**761**	**7-175**
GFZ	VIII	13 03 43 12.8–.35	58S–4.0	25W–6.0	10	5.7b,5.7		¶621237476
MOS	VIII	13 03 43 15.9–.90	58.00S	25.44W	47	5.8b,5.7		
NEIC	VIII	13 03 43 16.0–2.1	58.02S–.10	25.4W–.20	35–1	5.8b,5.3		
IDC	VIII	13 03 43 16.9–1.1	57.94S	25.30W	47–8	5.6,5.5L		
GCMT	VIII	13 03 43 19.7–.40	58.18S–.04	24.73W–.05	39–1	5.6W,5.5L		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108130343A. Moment Tensor Solution. s39,c45; s79,c95; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}3.38±.22 $M_{\theta\theta}$-0.44±.13; $M_{\phi\phi}$-2.93±.12; $M_{r\theta}$0.01±.18; $M_{\theta\phi}$0.25±.07; $M_{\phi r}$0.93±.12; Best double couple: NP1:ϕ_s173.00000°,δ37.00000°,λ88.00000°. NP2:ϕ_s356.00000°,δ53.00000°,λ92.00000°. Principal axes:
T 3.5140,Plg82.0000°,Azm274.0000°; N -0.4210,Plg1.0000°,Azm175.0000°
; P -3.0860,Plg8.0000°,Azm85.0000° $M_0$3.30000×10^{17}

(325) Qinghai

ISC	**VIII**	**13 04 21 37.7–.39**	**34.57N–.03**	**97.43E–.02**	**8–2**	**5.5s,5.3b**	**924**	**3-158**
IDC	VIII	13 04 21 35.9–.39	34.46N	97.41E	0	5.3s,4.9b		¶620984725
BJI	VIII	13 04 21 36.4	34.57N	97.58E	10	5.9s,5.7		
MOS	VIII	13 04 21 37.3–1.1	34.61N	97.44E	18	5.5s,5.5b		
GFZ	VIII	13 04 21 37.8	34.50N	97.43E	20	5.5W,5.5b		
GFZ	VIII	13 04 21 38.5–.18	35N–3.0	97E–3.0	10	5.3b,5.1		
NEIC	VIII	13 04 21 38.8–1.6	34.59N–.07	97.42E–.09	14–3	5.4b,5.1		
GCMT	VIII	13 04 21 39.7–.10	34.60N–.01	97.65E–.01	19–0	5.7W,5.1		
BGR	VIII	13 04 21 40.7	33.73N	97.09E	33	5.5s,4.8b		

ISC Event type ke.
IDC Error ellipse: s-maj=9.1km s-min=8.1km az=86.0.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=124.5.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.17 $M_{\theta\theta}$1.99 $M_{\phi\phi}$0.18 $M_{r\theta}$-0.63 $M_{\theta\phi}$1.04 $M_{\phi r}$0.26 NP1:
ϕ_s78.65131°,δ52.29337°,λ-72.90944°. NP2:ϕ_s231.96270°,δ40.86821°,λ-110.81425°.
Principal axes: T 2.5091,Plg5.8685°,Azm156.5933°; N -0.1752,Plg13.4447°,Azm248.0013°
; P -2.3339,Plg75.2860°,Azm43.5516° $M_0$2.42624×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.8km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108130421A. Moment Tensor Solution. s104,c160; s163,c339;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.68±.07 $M_{\theta\theta}$2.49±.06; $M_{\phi\phi}$-1.82±.06; $M_{r\theta}$-0.30±.14; $M_{\theta\phi}$3.77±.06; $M_{\phi r}$-1.27±.14; Best double couple: NP1:
ϕ_s284.00000°,δ73.00000°,λ-4.00000°. NP2:ϕ_s16.00000°,δ86.00000°,λ-162.00000°.
Principal axes: T 4.8260,Plg9.0000°,Azm149.0000°; N -0.5670,Plg72.0000°,Azm28.0000°
; P -4.2640,Plg15.0000°,Azm241.0000° $M_0$4.54500×10^{17}
BGR Event type ke.

(153) South Sandwich Islands region

ISC	**VIII**	**13 05 24 59.7–.22**	**57.80S–.05**	**24.91W–.05**	**40**	**5.3b,5.2s**	**486**	**7-175**
IDC	VIII	13 05 24 53.6–.33	57.66S	24.90W	0	5.1L,5.1s		¶621237479
BJI	VIII	13 05 24 55.5	57.89S	24.58W	20	5.5s,5.3		
NEIC	VIII	13 05 24 57.2–1.2	57.83S–.09	24.9W–.20	21–5	5.5,5.5b		
MOS	VIII	13 05 24 58.2–1.0	57.80S	24.97W	36	5.7b,5.5b		
GFZ	VIII	13 05 24 58.2–.26	58S–3.0	25W–3.0	18–1	5.4,5.4b		
GCMT	VIII	13 05 25 01.9–.20	57.83S–.02	24.33W–.03	22–1	5.5W,5.4b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108130524B. Moment Tensor Solution. s43,c57; s125,c196; Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.82±.12 $M_{\theta\theta}$0.06±.06; $M_{\phi\phi}$-1.88±.07; $M_{r\theta}$-1.08±.14; $M_{\theta\phi}$0.72±.04; $M_{\phi r}$0.81±.11; Best double couple: NP1:ϕ_s181.00000°,δ34.00000°,λ124.00000°. NP2:ϕ_s323.00000°,δ63.00000°,λ70.00000°. Principal axes:
T 2.3790,Plg66.0000°,Azm195.0000°; N 0.0430,Plg18.0000°,Azm332.0000°
; P -2.4260,Plg15.0000°,Azm67.0000° $M_0$2.40200×10^{17}

(153) South Sandwich Islands region

ISC	**VIII**	**13 06 14 11.3–.29**	**59.48S–.06**	**24.41W–.06**	**10**	**5.5b,4.7s**	**357**	**8-157**
IDC	VIII	13 06 14 10.2–.40	59.40S	24.42W	0	5.0b,5.0		¶621237481
GFZ	VIII	13 06 14 11.7–.26	60S–4.0	24W–4.0	10	5.7,5.6b		
NEIC	VIII	13 06 14 11.6–1.1	59.48S–.09	24.41W–.09	10–1	5.6b,5.6b		
GCMT	VIII	13 06 14 16.9–.20	59.65S–.01	23.59W–.02	18–1	5.4W,5.6b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108130614A. Moment Tensor Solution. s56,c75; s128,c231; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32±.04 $M_{\theta\theta}$-1.13±.03; $M_{\phi\phi}$1.45±.04; $M_{r\theta}$-0.19±.07; $M_{\theta\phi}$0.70±.03; $M_{\phi r}$0.69±.09; Best double couple: NP1:ϕ_s60.00000°,δ64.00000°,λ-2.00000°. NP2:ϕ_s151.00000°,δ88.00000°,λ-154.00000°. Principal axes:
T 1.8130,Plg17.0000°,Azm282.0000°; N -0.3780,Plg64.0000°,Azm155.0000°
; P -1.4350,Plg20.0000°,Azm18.0000° $M_0$1.62400×10^{17}

(153) South Sandwich Islands region

ISC	**VIII**	**13 07 08 37.6–.34**	**57.72S–.06**	**23.93W–.07**	**10**	**5.2s,5.0b**	**134**	**8-153**
IDC	VIII	13 07 08 36.0–.48	57.61S	23.87W	0	4.6b,4.6		¶620984740
NEIC	VIII	13 07 08 37.4–1.8	57.7S–.10	24.0W–.20	10–1	5.2b,4.6		
BJI	VIII	13 07 08 38.0	57.80S	24.00W	10	5.5s,5.2		
GFZ	VIII	13 07 08 38.8–.22	58S–4.0	24W–4.0	10	5.0b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(153) South Sandwich Islands region

ISC	**VIII**	**13 10 34 28.5–.19**	**60.49S–.04**	**27.47W–.04**	**10**	**6.0s,5.4b**	**679**	**8-178**
IDC	VIII	13 10 34 26.2–.36	60.48S	27.68W	0	5.9s,5.3L		¶621237485
NEIC	VIII	13 10 34 28.3–.81	60.54S–.08	27.3W–.20	10–1	6.0,6.0		
NEIC	VIII	13 10 34 28.6	60.49S	27.25W	10	6.0,6.0		
NEIC	VIII	13 10 34 28.3	60.54S	27.25W	10	6.0,6.0		
IPGP	VIII	13 10 34 29.0	60.49S	27.18W	6	6.2W,6.0		
GFZ	VIII	13 10 34 30.2–.13	61S–3.0	27W–2.0	10	5.7,5.4b		
PTWC	VIII	13 10 34 30	60.30S	27.00W	21	5.9,5.4b		
GFZ	VIII	13 10 34 30.2	60.56S	27.20W	15	6.1W,5.4b		
MOS	VIII	13 10 34 31.5–1.3	60.46S	27.40W	33	5.9s,5.7b		
GCMT	VIII	13 10 34 33.9–.10	60.71S	26.93W	12	6.1W,5.7b		
NEIC	VIII	13 10 34 34.5	60.59S	26.64W	16	6.1,5.7b		

ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=12.2km az=62.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.8km az=227.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.40 $M_{\theta\theta}$0.35 $M_{\phi\phi}$0.04 $M_{r\theta}$0.23 $M_{\theta\phi}$-1.23 $M_{\phi r}$0.05 NP1:ϕ_s175.68000°,δ76.10000°,λ-7.88000°. NP2:ϕ_s267.58000°,δ82.35000°,λ-165.98000°. Principal axes: T 1.4472,Plg4.0000°,Azm41.0000°; N -0.3539,Plg74.0000°,Azm296.0000°; P -1.0933,Plg15.0000°,Azm132.0000° $M_0$1.31000×10^{18}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s274.00000°,δ76.00000°,λ-166.00000°. NP2:ϕ_s181.00000°,δ77.00000°,λ-14.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PTWC SOUTH SANDWICH ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$0.23 $M_{r\theta}$-0.03 $M_{\theta\phi}$-1.63 $M_{\phi r}$-0.58 NP1:
ϕ_s93.11866°,δ70.26730°,λ-178.03213°. NP2:ϕ_s2.45401°,δ88.14773°,λ-19.74345°.
Principal axes: T 1.7921,Plg12.4676°,Azm49.4842°; N -0.1079,Plg70.1733°,Azm177.3079°
; P -1.6842,Plg15.1649°,Azm316.0486° $M_0$1.74067×10^{18}
MOS Error ellipse: s-maj=20.5km s-min=10.1km az=104.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108131034A. Moment Tensor Solution.
s165,c352; s169,c461;Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13±.01 $M_{\theta\theta}$-0.11±.01; $M_{\phi\phi}$0.24±.01; $M_{r\theta}$0.16±.03; $M_{\theta\phi}$-1.69±.01; $M_{\phi r}$0.15±.02; Best double couple:
NP1:ϕ_s273.00000°,δ84.00000°,λ-174.00000°. NP2:ϕ_s183.00000°,δ84.00000°,λ-6.00000°.
Principal axes: T 1.7650,Plg0.0000°,Azm228.0000°; N -0.0990,Plg82.0000°,Azm318.0000°
; P -1.6660,Plg8.0000°,Azm138.0000° $M_0$1.71500×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.65 $M_{\theta\theta}$0.12 $M_{\phi\phi}$0.53 $M_{r\theta}$0.41 $M_{\theta\phi}$-1.39 $M_{\phi r}$0.14 NP1:ϕ_s180.29000°,δ65.37000°,λ-20.49000°. NP2:ϕ_s279.15000°,δ71.44000°,λ-153.92000°. Principal axes:
T 1.7376,Plg4.0000°,Azm49.0000°; N -0.4125,Plg58.0000°,Azm312.0000°
; P -1.3251,Plg31.0000°,Azm141.0000° $M_0$1.57000×10^{18}

(153) South Sandwich Islands region

ISC	**VIII**	**13 11 45 38.6–.50**	**57.24S–.05**	**25.56W–.05**	**39–5**	**5.5b,5.5s**	**690**	**7-175**
NEIC	VIII	13 11 45 35.7–1.4	57.27S–.09	25.5W–.10	19–1	5.7,5.5b		¶621237486
GFZ	VIII	13 11 45 35.7–.36	57S–4.0	26W–6.0	10	5.6,5.5b		
GFZ	VIII	13 11 45 35.2	57.24S	25.62W	25	5.8W,5.5b		
NEIC	VIII	13 11 45 36.1	57.25S	25.56W	21	5.8W,5.5b		
NEIC	VIII	13 11 45 36.7	57.26S	25.56W	25	5.8W,5.5b		
MOS	VIII	13 11 45 37.1–.93	57.25S	25.70W	37	5.6b,5.2s		
IDC	VIII	13 11 45 38.3–1.6	57.22S	25.49W	35–11	5.5L,5.4s		
NEIC	VIII	13 11 45 39	57.06S	25.19W	30	5.7,5.4s		
BJI	VIII	13 11 45 39.0	57.30S	25.50W	40	5.7s,5.6		
GCMT	VIII	13 11 45 41.2–.10	57.32S–.01	25.02W–.01	33–0	5.8W,5.6		
PTWC	VIII	13 11 45 43	57.30S	25.80W	80	5.9,5.6		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.7km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.87 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-3.80 $M_{r\theta}$0.51 $M_{\theta\phi}$2.09 $M_{\phi r}$1.46 NP1:ϕ_s351.71000°,δ54.58000°,λ110.46000°. NP2:ϕ_s138.94000°,δ40.22000°,λ63.82000°. Principal axes: T 4.3362,Plg72.0000°,Azm314.0000°; N 0.5466,Plg17.0000°,Azm160.0000°; P -4.8828,Plg7.0000°,Azm67.0000° $M_0$4.63000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}3.91 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-3.94 $M_{r\theta}$-1.31 $M_{\theta\phi}$1.45 $M_{\phi r}$4.05 NP1:
ϕ_s161.82973°,δ22.18701°,λ89.81666°. NP2:ϕ_s342.02773°,δ67.81311°,λ90.07477°.
Principal axes: T 5.6998,Plg67.1868°,Azm252.1641°; N 0.5002,Plg0.0692°,Azm161.9995°
; P -6.2000,Plg22.8131°,Azm71.9704° $M_0$5.96562×10^{17}
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=18.7km s-min=11.7km az=112.1.
IDC Error ellipse: s-maj=12.2km s-min=10.8km az=19.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}4.53 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$-3.20 $M_{r\theta}$-0.30 $M_{\theta\phi}$1.48 $M_{\phi r}$1.53 NP1:ϕ_s146.54000°,δ35.61000°,λ81.81000°. NP2:ϕ_s336.58000°,δ54.81000°,λ95.83000°. Principal axes:
T 4.8195,Plg79.0000°,Azm269.0000°; N -0.5577,Plg5.0000°,Azm153.0000°
; P -4.2618,Plg10.0000°,Azm62.0000° $M_0$4.57000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131145A. Moment Tensor Solution. s133,c241; s152,c297;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.59±.10 $M_{\theta\theta}$-0.35±.06; $M_{\phi\phi}$-5.24±.06; $M_{r\theta}$-0.30±.10; $M_{\theta\phi}$1.30±.04; $M_{\phi r}$2.50±.09; Best double couple: NP1:
ϕ_s163.00000°,δ33.00000°,λ85.00000°. NP2:ϕ_s349.00000°,δ57.00000°,λ93.00000°.
Principal axes: T 6.1390,Plg78.0000°,Azm269.0000°; N -0.0400,Plg3.0000°,Azm167.0000°
; P -6.0990,Plg12.0000°,Azm77.0000° $M_0$6.11900×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.

(248) Philippine Islands region

ISC	**VIII**	**13 17 33 15.6–.55**	**6.14N–.04**	**127.21E–.05**	**58–5**	**4.7b,4.0s**	**192**	**1-100**
MAN	VIII	13 17 33 12.6	6.24N	127.33E	26	5.6b,4.9s		¶621012190
DJA	VIII	13 17 33 15.6–2.2	6N–6.0	127E–5.0	19–21	5.0,5.0b		
IDC	VIII	13 17 33 17.2–2.3	6.13N	126.91E	75–21	4.2,3.9b		
NEIC	VIII	13 17 33 17.9–1.2	6.16N–.08	127.0E–.10	80–8	4.8b,3.9b		

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**13 18 11 40.7–.46**	**59.98S–.05**	**26.82W–.06**	**48–4**	**5.3b,4.6s**	**337**	**8-173**
GFZ	VIII	13 18 11 37.1–.24	60S–4.0	26W–5.0	10	5.5,5.4b		¶620986266
NEIC	VIII	13 18 11 40.3–1.1	60.03S–.09	27.0W–.20	52–4	5.3b,5.4b		
BJI	VIII	13 18 11 40.0	60.10S	26.80W	40	5.6s,5.3b		
GCMT	VIII	13 18 11 41.1–.20	60.35S–.01	26.68W–.03	12	5.1W,5.3b		
IDC	VIII	13 18 11 45.6–4.7	59.99S	26.82W	82–41	4.9,4.6b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.7km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131811A. Moment Tensor Solution. s49,c61; s115,c186; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.88±.17 $M_{\theta\theta}$5.56±.15; $M_{\phi\phi}$-1.68±.16; $M_{r\theta}$0.83±.43; $M_{\theta\phi}$3.66±.12; $M_{\phi r}$1.20±.47; Best double couple: NP1:ϕ_s97.00000°,δ47.00000°,λ-45.00000°. NP2:ϕ_s221.00000°,δ59.00000°,λ-127.00000°. Principal axes:
T 7.2240,Plg6.0000°,Azm337.0000°; N -2.7310,Plg31.0000°,Azm243.0000°
; P -4.4930,Plg58.0000°,Azm77.0000° $M_0$5.85900×10^{16}
IDC Error ellipse: s-maj=18.3km s-min=12.7km az=66.0.

(177) Kermadec Islands region

ISC	**VIII**	**13 18 46 56.9–.33**	**27.25S–.04**	**176.61W–.04**	**24–2**	**5.4b,5.2s**	**807**	**2-170**
NEIC	VIII	13 18 46 54.7–1.9	27.47S–.07	177.03W–.08	18–3	5.5b,5.2		¶620986268
NEIC	VIII	13 18 46 54.8	27.47S	177.04W	19	5.5b,5.2		

IDC VIII 13 18 46 54.2–.34 27.02S 176.75W 0 5.0s,4.9b
BJI VIII 13 18 46 55.9 26.94S 176.45W 25 5.8b,5.5b
NEIC VIII 13 18 46 55.2 26.97S 175.91W 24 5.5,5.5b
MOS VIII 13 18 46 57.9–1.5 27.23S 176.74W 42 5.6b,5.2s
NOU VIII 13 18 46 58.9 27.34S 176.09W 64 5.2b,5.2s
GFZ VIII 13 18 46 58.1–.19 27S–3.0 177W–3.0 26–1 5.4,5.3W
GCMT VIII 13 18 47 02.7–.10 27.07S–.01 176.31W–.01 33–0 5.6W,5.3W
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.87 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$-1.48 $M_{r\theta}$0.35 $M_{\theta\phi}$-0.45 $M_{\phi r}$1.31 NP1:ϕ_s201.86000°,δ26.26000° ,λ94.45000°. NP2:ϕ_s16.89000°,δ63.82000°,λ87.81000°. Principal axes: T 2.3297,Plg71.0000°,Azm282.0000°; N -0.2328,Plg2.0000°,Azm18.0000° ; P -2.0969,Plg19.0000°,Azm109.0000° $M_0$2.22000×10^{17}
NOU Kermadec Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131846A. Moment Tensor Solution. s132,c255; s146,c280;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.46±.04 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$-2.40±.03; $M_{r\theta}$0.47±.04; $M_{\theta\phi}$-0.50±.02; $M_{\phi r}$1.74±.04; Best double couple: NP1: ϕ_s189.00000°,δ27.00000°,λ86.00000°. NP2:ϕ_s14.00000°,δ63.00000°,λ92.00000°. Principal axes: T 3.0470,Plg72.0000°,Azm288.0000°; N 0.0360,Plg2.0000°,Azm193.0000° ; P -3.0850,Plg18.0000°,Azm102.0000° $M_0$3.06600×10^{17}

(153) South Sandwich Islands region

ISC VIII 13 20 04 54.1–.21 57.86S–.05 23.87W–.05 10 5.2b,5.1s 492 8-175
IDC VIII 13 20 04 53.1–.30 57.81S 23.72W 0 5.2L,4.9b **¶620986448**
NEIC VIII 13 20 04 53.9–1.4 57.82S–.10 24.0W–.20 10–1 5.4b,5.0
NEIC VIII 13 20 04 53.9 57.82S 23.99W 10 5.4b,5.0
MOS VIII 13 20 04 54.3–1.4 57.89S 24.00W 21 5.4b,5.1s
NEIC VIII 13 20 04 54.3 57.42S 23.81W 26 5.5,5.1s
GFZ VIII 13 20 04 55.5–.15 58S–3.0 24W–3.0 10 5.5,5.2b
BJI VIII 13 20 04 55.0 58.00S 24.10W 10 5.8b,5.4s
GCMT VIII 13 20 04 57.8–.20 57.91S–.02 23.26W–.02 12 5.2W,5.4s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$1.24 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.11 $M_{\phi r}$1.50 NP1:ϕ_s351.56000°,δ19.45000° ,λ-96.51000°. NP2:ϕ_s178.45000°,δ70.68000°,λ-87.71000°. Principal axes: T 1.9640,Plg26.0000°,Azm267.0000°; N -0.0889,Plg2.0000°,Azm358.0000° ; P -1.8751,Plg64.0000°,Azm92.0000° $M_0$1.92000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132004A. Moment Tensor Solution. s63,c92; s92,c150; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39±.03 $M_{\theta\theta}$-0.68±.04; $M_{\phi\phi}$1.07±.02; $M_{r\theta}$-0.13±.07; $M_{\theta\phi}$0.01±.02; $M_{\phi r}$-0.13±.05; Best double couple: NP1:ϕ_s137.00000°,δ71.00000° ,λ-168.00000°. NP2:ϕ_s43.00000°,δ79.00000°,λ-19.00000°. Principal axes: T 1.0830,Plg5.0000°,Azm91.0000°; N -0.3540,Plg68.0000°,Azm194.0000° ; P -0.7320,Plg21.0000°,Azm359.0000° $M_0$0.90700×10^{17}

(153) South Sandwich Islands region

ISC VIII 13 20 25 27.4–.22 57.85S–.05 23.96W–.05 10 5.2b,4.9s 442 8-175
MOS VIII 13 20 25 26.8–1.1 57.75S 24.13W 14 5.4b,4.9s **¶620986449**
IDC VIII 13 20 25 26.4–.35 57.81S 23.89W 0 5.0b,4.9L
NEIC VIII 13 20 25 27.0–1.4 57.93S–.08 24.0W–.10 10–1 5.3b,4.9L
GFZ VIII 13 20 25 28.8–.32 58S–5.0 24W–6.0 10 5.2b,5.2
BJI VIII 13 20 25 32.0 58.00S 24.10W 40 5.7b,5.3s
GCMT VIII 13 20 25 32.3–.20 58.08S–.02 23.33W–.02 14–1 5.2W,5.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132025A. Moment Tensor Solution. s29,c33; s111,c181; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.65±.05 $M_{\theta\theta}$-0.23±.03; $M_{\phi\phi}$0.87±.03; $M_{r\theta}$-0.39±.08; $M_{\theta\phi}$0.02±.02; $M_{\phi r}$0.16±.05; Best double couple: NP1:ϕ_s28.00000°,δ47.00000° ,λ-47.00000°. NP2:ϕ_s154.00000°,δ58.00000°,λ-126.00000°. Principal axes: T 0.8970,Plg6.0000°,Azm269.0000°; N -0.0010,Plg30.0000°,Azm175.0000° ; P -0.8960,Plg59.0000°,Azm9.0000° $M_0$0.89600×10^{17}

(248) Philippine Islands region

ISC VIII 13 21 45 07.8–.46 6.21N–.03 127.24E–.04 51–4 4.6b,4.0s 312 1-97
GFZ VIII 13 21 45 02.6–.26 6N–3.0 127E–6.0 10 4.8b,4.8 **¶620986503**
MAN VIII 13 21 45 05.2 6.23N 127.33E 28 5.5b,4.8s
DJA VIII 13 21 45 06.5–.60 6N–5.0 127E–3.0 10 5.4b,5.4b
NEIC VIII 13 21 45 06.3–1.4 6.21N–.08 127.05E–.08 35–1 4.8b,5.4b
IDC VIII 13 21 45 07.0–1.7 6.17N 126.96E 42–15 4.6L,4.4
BJI VIII 13 21 45 08.0 6.20N 127.10E 47 5.0b,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.9km az=42.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=9.1km az=68.0.

(153) South Sandwich Islands region

ISC VIII 13 21 51 10.6–.27 58.26S–.06 23.48W–.06 10 5.0b 204 8-175
IDC VIII 13 21 51 09.2–.37 58.21S 23.43W 0 5.5L,4.8 **¶621012234**
NEIC VIII 13 21 51 10.9–1.6 58.24S–.09 23.5W–.10 10–1 5.0b,4.8
GFZ VIII 13 21 51 11.7–.19 58S–4.0 23W–4.0 10 5.1,5.0b
BJI VIII 13 21 51 12.0 58.40S 23.50W 20 5.5b,4.9s
GCMT VIII 13 21 51 15.2–.20 58.37S–.03 23.05W–.02 16–0 5.0W,4.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132151A. Moment Tensor Solution. s41,c53; s101,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.53±.26 $M_{\theta\theta}$-1.47±.18; $M_{\phi\phi}$5.00±.16; $M_{r\theta}$-1.44±.60; $M_{\theta\phi}$0.74±.11; $M_{\phi r}$0.71±.34; Best double couple: NP1:ϕ_s32.00000°,δ48.00000° ,λ-51.00000°. NP2:ϕ_s162.00000°,δ55.00000°,λ-125.00000°. Principal axes: T 5.1200,Plg4.0000°,Azm276.0000°; N -0.7480,Plg28.0000°,Azm184.0000° ; P -4.3720,Plg62.0000°,Azm13.0000° $M_0$4.74600×10^{16}

(248) Philippine Islands region

ISC VIII 14 01 27 41.3–.26 6.04N–.02 127.16E–.04 41–1 5.3b,4.7s 1028 1-174
MAN VIII 14 01 27 39.5 5.95N 127.38E 29 5.8b,5.3s **¶620986460**
MOS VIII 14 01 27 39.5–.86 6.14N 127.10E 35 5.5b,4.8s
GFZ VIII 14 01 27 40.4–.10 6N–2.0 127E–3.0 26 5.4b,5.3
IDC VIII 14 01 27 40.6–.92 6.05N 127.12E 35–6 5.0L,5.0
NEIC VIII 14 01 27 41.1–2.0 6.05N–.07 127.12E–.07 29–3 5.4b,5.1
GCMT VIII 14 01 27 44.1–.10 5.89N–.01 127.25E–.01 28–0 5.3W,5.1
DJA VIII 14 01 27 45.5–.50 6N–4.0 127E–2.0 57–4 5.7,5.7b
ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140127A. Moment Tensor Solution. s102,c167; s123,c217;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.82±.02 $M_{\theta\theta}$0.22±.01; $M_{\phi\phi}$-1.04±.01; $M_{r\theta}$0.24±.03; $M_{\theta\phi}$-0.09±.01; $M_{\phi r}$0.38±.03; Best double couple: NP1: ϕ_s167.00000°,δ36.00000°,λ63.00000°. NP2:ϕ_s19.00000°,δ59.00000°,λ108.00000°. Principal axes: T 0.9600,Plg70.0000°,Azm330.0000°; N 0.1670,Plg15.0000°,Azm189.0000° ; P -1.1290,Plg12.0000°,Azm96.0000° $M_0$1.04400×10^{17}

(174) Tonga Islands region

ISC VIII 14 09 50 13.5–.45 22.54S–.04 174.48W–.04 14–2 5.5b,5.4s 724 7-170
GFZ VIII 14 09 50 10.1–.32 23S–6.0 174W–5.0 10 5.5,5.3b **¶620986692**
IDC VIII 14 09 50 11.7–.41 22.51S 174.67W 0 5.2s,5.0b
BJI VIII 14 09 50 12.3 22.28S 174.32W 11 6.2b,5.6b
NEIC VIII 14 09 50 13.3 22.42S 174.55W 10 6.2b,5.6b
NEIC VIII 14 09 50 13.3 22.42S 174.55W 10 6.2b,5.6b
NEIC VIII 14 09 50 13.3–.92 22.42S–.10 174.6W–.10 10–1 5.6b,5.5
MOS VIII 14 09 50 13.4–1.1 22.45S 174.69W 17 5.5b,5.4s
NOU VIII 14 09 50 15.4 22.70S 174.43W 31 5.1b,5.4s
GCMT VIII 14 09 50 17.0–.10 22.65S–.01 174.24W–.01 12 5.5W,5.4s
NEIC VIII 14 09 50 20.6 22.62S 174.22W 22 5.6,5.4s
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=14.0km s-min=11.1km az=140.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=16.1km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.80 $M_{\phi r}$-0.37 NP1:ϕ_s196.44000°,δ49.34000°,λ65.90000°. NP2:ϕ_s50.92000°,δ46.18000° ,λ115.43000°. Principal axes: T 1.7287,Plg72.0000°,Azm38.0000°; N -0.0828,Plg18.0000° ,Azm213.0000°; P -1.6459,Plg2.0000°,Azm303.0000° $M_0$1.69000×10^{17}
MOS Error ellipse: s-maj=9.3km s-min=8.5km az=114.8.
NOU Tonga Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140950A. Moment Tensor Solution. s116,c204; s153,c319;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.79±.02 $M_{\theta\theta}$-0.37±.02; $M_{\phi\phi}$-1.42±.02; $M_{r\theta}$0.82±.05; $M_{\theta\phi}$-0.77±.01; $M_{\phi r}$0.85±.04; Best double couple: NP1: ϕ_s199.00000°,δ29.00000°,λ75.00000°. NP2:ϕ_s36.00000°,δ62.00000°,λ98.00000°. Principal axes: T 2.1630,Plg72.0000°,Azm326.0000°; N -0.0060,Plg7.0000°,Azm212.0000° ; P -2.1560,Plg16.0000°,Azm120.0000° $M_0$2.15900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-1.87 $M_{r\theta}$1.01 $M_{\theta\phi}$-0.94 $M_{\phi r}$-0.17 NP1:ϕ_s193.15000°,δ43.50000° ,λ64.61000°. NP2:ϕ_s46.36000°,δ51.55000°,λ112.14000°. Principal axes: T 2.9030,Plg72.0000°,Azm18.0000°; N -0.4838,Plg17.0000°,Azm212.0000° ; P -2.4192,Plg4.0000°,Azm121.0000° $M_0$2.69000×10^{17}

(153) South Sandwich Islands region

ISC VIII 14 10 00 10.3–.21 60.32S–.05 27.07W–.05 19 5.8b,5.5s 567 8-172
IDC VIII 14 10 00 07.3–.32 60.23S 26.93W 0 5.4b,5.3L **¶621237501**
GFZ VIII 14 10 00 09.6–.19 60S–3.0 27W–3.0 10 5.9b,5.8
NEIC VIII 14 10 00 09 60.35S 27.10W 10 5.9b,5.8
NEIC VIII 14 10 00 09.3–1.3 60.35S–.09 27.1W–.20 12–1 5.8b,5.5
MOS VIII 14 10 00 13.8–1.2 60.31S 27.17W 59 5.8b,5.5
GCMT VIII 14 10 00 15.4–.20 60.45S–.01 26.46W–.02 12 5.5W,5.5
PTWC VIII 14 10 00 21 60.20S 26.90W 115 5.7,5.5
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=11.9km az=56.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=14.2km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-0.52 $M_{r\theta}$2.14 $M_{\theta\phi}$0.26 $M_{\phi r}$0.21 NP1:ϕ_s88.39000°,δ79.27000°,λ83.06000°. NP2:ϕ_s301.57000°,δ12.75000° ,λ122.53000°. Principal axes: T 2.5868,Plg55.0000°,Azm350.0000°; N -0.5431,Plg7.0000° ,Azm90.0000°; P -2.0437,Plg34.0000°,Azm184.0000° $M_0$2.36000×10^{17}
MOS Error ellipse: s-maj=26.8km s-min=14.4km az=107.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108141000A. Moment Tensor Solution. s91,c138; s130,c219;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65±.02 $M_{\theta\theta}$-0.54±.02; $M_{\phi\phi}$-0.11±.02; $M_{r\theta}$2.41±.06; $M_{\theta\phi}$-0.49±.01; $M_{\phi r}$0.72±.06; Best double couple: NP1: ϕ_s215.00000°,δ10.00000°,λ52.00000°. NP2:ϕ_s73.00000°,δ82.00000°,λ96.00000°. Principal axes: T 2.5670,Plg53.0000°,Azm350.0000°; N 0.1260,Plg6.0000°,Azm252.0000° ; P -2.6930,Plg37.0000°,Azm158.0000° $M_0$2.63000×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.

(259) Mindanao

ISC VIII 14 10 30 40.1–.33 9.91N–.03 126.07E–.04 52–2 4.8b,4.4s 437 0-171
BJI VIII 14 10 30 36.9 9.53N 126.00E 65 5.2b,5.0b **¶620986699**
GFZ VIII 14 10 30 39.6–.18 10N–2.0 126E–4.0 45 5.0b,5.0
NEIC VIII 14 10 30 42.0–.84 9.84N–.07 125.9E–.10 68–7 4.9b,5.0
DJA VIII 14 10 30 41.9–.90 10N–5.0 126E–5.0 74–7 5.5,5.4b
MAN VIII 14 10 30 41.2 9.86N 126.04E 28 5.6b,5.0s
IDC VIII 14 10 30 42.0–2.0 9.85N 125.87E 71–18 4.7,4.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.6km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - BURGOS GENERAL LUNA SOCORRO DEL CARMEN AND SANTA MONICA SURIGAO DEL NORTE; . INTENSITY II - CITY OF SURIGAO AND DAPA SURIGAO DEL NORTE; LIBJO DINAGAT ISLANDS; . INTENSITY I - CITY OF BAYUGAN AGUSAN DEL SUR.
IDC Error ellipse: s-maj=19.0km s-min=8.5km az=77.0.

(12) Alaska Peninsula

ISC VIII 14 11 57 43.7–.22 55.19N–.02 157.70W–.02 21–2 7.3s,6.3b 2839 1-164
BJI VIII 14 11 57 39.0 55.30N 157.75W 10 7.4s,7.4 **¶620986702**
IDC VIII 14 11 57 40.8–.34 55.36N 157.83W 0 7.1s,5.8b
MOS VIII 14 11 57 41.4–.92 55.30N 157.78W 17 7.2s,6.5b
PTWC VIII 14 11 57 41 55.10N 157.50W 10 6.7,6.5b
ISC-P VIII 14 11 57 43 55.18N 157.64W 45–0 7.2,6.5b
GFZ VIII 14 11 57 43.2 55.29N 157.79W 27 6.8W,6.5b
GFZ VIII 14 11 57 43.8–.10 55N–2.0 158W–2.0 10 7.1b,7.1
NEIC VIII 14 11 57 43.4–1.1 55.18N–.05 157.64W–.07 21–2 7.3,6.9
NEIC VIII 14 11 57 43.4 55.18N 157.64W 21 7.3,6.9
IPGP VIII 14 11 57 44.0 55.08N 157.54W 27 6.9W,6.9
AEIC VIII 14 11 57 44.3–1.8 55.10N–.04 157.54W–.07 30–1 6.9W,6.9
NEIC VIII 14 11 57 44.3 55.27N 157.67W 22 6.9W,6.9
NEIC VIII 14 11 57 45 55.24N 157.70W 28 6.9W,6.9
BGR VIII 14 11 57 50.8 55.86N 157.94W 33 7.3s,6.0b
GCMT VIII 14 11 57 50.1–.10 55.17N 157.45W 25 7.0W,6.0b
NEIC VIII 14 11 58 01.3 55.17N 157.67W 24 6.9,6.0b
NEIC VIII 14 11 58 03.4 55.51N 157.52W 26 6.8,6.0b
ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=7.7km az=163.0.
MOS Error ellipse: s-maj=6.9km s-min=3.8km az=94.1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s244.00000°,δ21.00000°,λ117.00000°. NP2: ϕ_s35.00000°,δ71.00000°,λ80.00000°. Principal axes: T Plg63.0000°,Azm290.0000° ; N Plg9.0000°,Azm39.0000°; P Plg25.0000°,Azm133.0000° $M_0$6.90000×10^{19}
ISC-P Moment Tensor Solution. s56 Moment tensor: Scale 10^{19}Nm; M_{rr}0.35±.10 $M_{\theta\theta}$0.43±.17; $M_{\phi\phi}$-0.20±.14; $M_{r\theta}$0.52±.16; $M_{\theta\phi}$0.23±.17; $M_{\phi r}$-0.09±.12; NP1:ϕ_s52.60000°,δ82.50000° ,λ120.90000°. NP2:ϕ_s154.90000°,δ31.70000°,λ14.40000°. $M_0$7.33000×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.32 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$-0.35 $M_{r\theta}$1.05 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.57 NP1: ϕ_s61.61803°,δ66.61880°,λ89.66974°. NP2:ϕ_s242.45019°,δ23.38340°,λ90.76382°. Principal axes: T 1.7967,Plg68.3795°,Azm330.9842°; N -0.1014,Plg0.3031°,Azm61.7491° ; P -1.6953,Plg21.6181°,Azm151.8692° $M_0$1.74820×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.6km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.29 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$-0.33 $M_{r\theta}$1.79 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.96 NP1:ϕ_s62.01000°,δ74.41000°,λ89.36000°. NP2:ϕ_s244.39000°,δ15.60000° ,λ92.29000°. Principal axes: T 2.4394,Plg61.0000°,Azm331.0000°; N -0.1243,Plg1.0000° ,Azm62.0000°; P -2.3151,Plg29.0000°,Azm153.0000° $M_0$2.38000×10^{19}

NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s225.00000°,δ15.00000°,λ74.00000°. NP2:ϕ_s62.00000°,δ76.00000°,λ94.00000°.
AEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=130.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108141157A. Moment Tensor Solution. s171,c467; s154,c702;Duration: 6s8 Moment tensor: Scale 10^{19}Nm; M_{rr}1.39±.01 $M_{\theta\theta}$-1.13±.01; $M_{\phi\phi}$-0.26±.01; $M_{r\theta}$3.27±.02; $M_{\theta\phi}$-0.71±.01; $M_{\phi r}$1.69±.02; Best double couple: NP1:ϕ_s238.00000°,δ11.00000°,λ86.00000°. NP2:ϕ_s63.00000°,δ79.00000°,λ91.00000°. Principal axes: T 3.8910,Plg56.0000°,Azm334.0000°; N 0.1350,Plg1.0000°,Azm242.0000° ; P -4.0280,Plg34.0000°,Azm152.0000° $M_0$3.96000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 15s6 Moment tensor: Scale 10^{19}Nm; M_{rr}1.37 $M_{\theta\theta}$-1.09 $M_{\phi\phi}$-0.28 $M_{r\theta}$2.49 $M_{\theta\phi}$-0.54 $M_{\phi r}$1.39 NP1:ϕ_s245.62000°,δ12.81000°,λ94.42000°. NP2:ϕ_s61.09000°,δ77.23000°,λ89.00000°. Principal axes: T 3.1733,Plg58.0000°,Azm330.0000°; N -0.0176,Plg1.0000°,Azm61.0000° ; P -3.1556,Plg32.0000°,Azm152.0000° $M_0$3.16000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 13s5 Moment tensor: Scale 10^{19}Nm; M_{rr}1.42 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.56 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.02 NP1:ϕ_s41.96000°,δ65.05000°,λ74.98000°. NP2:ϕ_s254.41000°,δ28.87000°,λ119.11000°. Principal axes: T 1.9025,Plg67.0000°,Azm285.0000°; N -0.1987,Plg14.0000°,Azm48.0000° ; P -1.7039,Plg19.0000°,Azm143.0000° $M_0$1.80000×10^{19}

(153) South Sandwich Islands region

ISC	VIII	**14 12 09 16.1–.64**	**59.91S–.09**	**25.5W–.10**	**26**	**4.6b**	**40**	**13-153**
IDC	VIII	14 12 09 13.2–.80	59.83S	25.82W	0	5.5s,4.6L		**¶620996005**
NEIC	VIII	14 12 09 13.7–.83	59.9S–.10	25.4W–.30	10–1	4.6b,4.6L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	VIII	**14 12 10 24.1–.62**	**55.7S–.10**	**25.94W–.09**	**32**	**4.7b**	**34**	**6-150**
IDC	VIII	14 12 10 20.4–1.2	55.73S	25.92W	0	5.5s,4.6b		**¶621013487**
NEIC	VIII	14 12 10 21.4–1.6	55.76S–.06	25.9W–.20	10–1	4.7b,4.6b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(87) Haiti region

ISC	VIII	**14 12 29 09.0–.39**	**18.34N–.02**	**73.55W–.02**	**11–2**	**7.4s,6.7b**	**2330**	**1-172**
MOS	VIII	14 12 29 07.8–1.1	18.37N	73.56W	11	7.2s,6.7b		**¶620986707**
IDC	VIII	14 12 29 07.5–.28	18.35N	73.46W	0	7.1s,5.5b		
NEIC	VIII	14 12 29 08.5–1.5	18.43N–.04	73.48W–.04	10–1	7.4,6.8b		
PTWC	VIII	14 12 29 08	18.60N	73.50W	10	7.0,6.8b		
JSN	VIII	14 12 29 08.9–2.0	18.82N	73.47W	0–15	7.3W,6.8b		
BJI	VIII	14 12 29 09.9	18.40N	73.30W	10	7.8s,7.8b		
GFZ	VIII	14 12 29 09.8–.08	18N–1.0	73W–1.0	10	7.5,7.4b		
NEIC	VIII	14 12 29 09.4	18.35N	73.48W	10	7.5,7.4b		
UPA	VIII	14 12 29 09.4–4.9	18.41N	73.48W	10	6.9W,7.4b		
OSUNB	VIII	14 12 29 09.1–.32	18.36N	73.59W	14–1	7.3W,7.4b		
CATAC	VIII	14 12 29 10.9–.28	19N–5.0	73W–2.0	10	7.7,7.6b		
GFZ	VIII	14 12 29 10.1	18.33N	73.45W	15	7.1W,7.6b		
OSPL	VIII	14 12 29 10.2–1.9	18.40N	73.54W	8	6.6L,7.6b		
SSNC	VIII	14 12 29 13.0–13	18.69N	73.76W	4–62	7.4s,7.3W		
BGR	VIII	14 12 29 19.2	18.71N	72.40W	33	7.3s,6.2b		
GCMT	VIII	14 12 29 20.0–.10	18.50N	73.64W	12	7.1W,6.2b		
NEIC	VIII	14 12 29 34.5	18.55N	73.59W	16	7.2,6.2b		

ISC Event type ke.
MOS Error ellipse: s-maj=5.5km s-min=3.8km az=76.0. Moment Tensor Solution.
IDC Error ellipse: s-maj=8.7km s-min=8.0km az=92.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=2.8km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PTWC HAITI REGION.
JSN Event type se. Error ellipse: s-maj=25.7km s-min=10.0km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
UPA Event type se. Error ellipse: s-maj=39.1km s-min=54.6km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=2.1km s-min=2.9km az=0.0.
CATAC Event type se. Error ellipse: s-maj=11.8km s-min=3.7km az=17.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}4.41 $M_{\theta\theta}$-4.69 $M_{\phi\phi}$0.28 $M_{r\theta}$-1.71 $M_{\theta\phi}$4.02 $M_{\phi r}$-2.18 NP1:ϕ_s149.38945°,δ52.78377°,λ136.58232°. NP2:ϕ_s269.17229°,δ56.81483°,λ46.27712°. Principal axes: T 6.3686,Plg54.5585°,Azm121.7323°; N 0.5792,Plg35.3413°,Azm296.8032° ; P -6.9478,Plg2.3293°,Azm28.4561° $M_0$6.67707×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}3.37 $M_{\theta\theta}$-4.03 $M_{\phi\phi}$0.66 $M_{r\theta}$-1.23 $M_{\theta\phi}$3.17 $M_{\phi r}$-2.69 NP1:ϕ_s149.35257°,δ57.76451°,λ139.04300°. NP2:ϕ_s264.19555°,δ56.32669°,λ39.86213°. Principal axes: T 5.8222,Plg50.2849°,Azm116.0447°; N -0.1885,Plg39.7022°,Azm297.7803° ; P -5.6337,Plg0.8531°,Azm207.0719° $M_0$5.73029×10^{19}
OSPL Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=52.8km s-min=24.4km az=-1.0. Presumed earthquake.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108141229A. Moment Tensor Solution. s161,c411; s175,c866;Duration: 9s0 Moment tensor: Scale 10^{19}Nm; M_{rr}3.59±.02 $M_{\theta\theta}$-4.13±.01; $M_{\phi\phi}$0.54±.02; $M_{r\theta}$-2.35±.10; $M_{\theta\phi}$4.08±.01; $M_{\phi r}$-1.70±.10; Best double couple: NP1:ϕ_s154.00000°,δ52.00000°,λ145.00000°. NP2:ϕ_s267.00000°,δ63.00000°,λ44.00000°. Principal axes: T 5.9850,Plg49.0000°,Azm126.0000°; N 0.6640,Plg40.0000°,Azm292.0000° ; P -6.6410,Plg7.0000°,Azm28.0000° $M_0$6.31300×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 32s0 Moment tensor: Scale 10^{19}Nm; M_{rr}4.10 $M_{\theta\theta}$-4.73 $M_{\phi\phi}$0.64 $M_{r\theta}$-0.73 $M_{\theta\phi}$4.38 $M_{\phi r}$-4.27 NP1:ϕ_s266.08000°,δ50.61000°,λ33.80000°. NP2:ϕ_s153.06000°,δ64.53000°,λ135.34000°. Principal axes: T 7.7868,Plg49.0000°,Azm113.0000°; N -0.3923,Plg40.0000°,Azm310.0000° ; P -7.3945,Plg8.0000°,Azm213.0000° $M_0$7.60000×10^{19}

(87) Haiti region

ISC	VIII	**14 14 28 50.2–.30**	**18.46N–.03**	**73.60W–.02**	**10**	**4.8b**	**435**	**1-154**
IDC	VIII	14 14 28 49.1–.40	18.51N	73.39W	0	5.2s,4.4b		**¶620986716**
PTWC	VIII	14 14 28 49	18.40N	73.60W	10	4.7b,4.4b		
SSNC	VIII	14 14 28 50.7–1.4	18.52N	73.59W	5	4.5L,4.1W		
CATAC	VIII	14 14 28 50.3–1.1	18N–2.0	74W–2.0	25–9	5.7b,5.4b		
NEIC	VIII	14 14 28 50.7–2.0	18.54N–.03	73.57W–.04	10–1	4.8b,5.4b		
OSPL	VIII	14 14 28 50.5–1.8	18.48N	73.60W	0–8	4.7L,5.4b		
GFZ	VIII	14 14 28 52.9–.19	19N–3.0	74W–3.0	10	4.5b,4.5		

ISC Event type se.
PTWC HAITI REGION.
SSNC Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(192) New Britain region

ISC	VIII	**14 14 31 19.7–.43**	**5.59S–.06**	**152.97E–.07**	**10**	**4.6b**	**98**	**2-151**
IDC	VIII	14 14 31 18.0–.52	5.53S	152.99E	0	5.6s,4.4b		**¶620986727**
NEIC	VIII	14 14 31 19.9–1.7	5.58S–.07	153.1E–.10	10–1	4.6b,4.4b		
DJA	VIII	14 14 31 20.6–.80	6S–6.0	153E–11	10	4.7b,4.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(87) Haiti region

ISC	VIII	**14 14 40 47.9–.46**	**18.53N–.05**	**73.63W–.03**	**10**	**4.1b**	**104**	**1-154**
IDC	VIII	14 14 40 46.7–.70	18.49N	73.66W	0	3.9,3.8b		**¶621013514**
SSNC	VIII	14 14 40 46.8–.79	18.43N	73.46W	14–8	3.9L,3.6W		
OSPL	VIII	14 14 40 47.3–1.6	18.37N	73.77W	0–10	4.1L,3.6W		
NEIC	VIII	14 14 40 48.9–2.3	18.48N–.04	73.70W–.05	10–1	4.2b,3.6W		
RSNC	VIII	14 14 40 48.0–.40	18N–4.0	74W–3.0	0	6.0b,5.6		

ISC Event type se.
SSNC Event type se. Presumed earthquake.
OSPL Event type se. Confirmed Rockburst.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(87) Haiti region

ISC	VIII	**14 15 08 09.8–.41**	**18.50N–.05**	**73.67W–.03**	**10**	**4.0b**	**104**	**1-154**
IDC	VIII	14 15 08 08.4–.56	18.46N	73.64W	0	3.9,3.7b		**¶621013516**
NEIC	VIII	14 15 08 10.9–2.1	18.44N–.07	73.61W–.05	10–1	4.3b,3.7b		
OSPL	VIII	14 15 08 10.8–2.5	18.55N	73.68W	0–10	4.2L,3.8W		
SSNC	VIII	14 15 08 10.1–1.5	18.24N	73.67W	5	3.8L,3.8W		
RSNC	VIII	14 15 08 11.8–1.5	18N–13	74W–12	10	5.8b,5.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Presumed earthquake.
SSNC Event type se. Presumed earthquake.

(248) Philippine Islands region

ISC	VIII	**14 16 39 53.8–1.8**	**20.32N–.03**	**122.05E–.04**	**1–11**	**4.5b**	**275**	**1-89**
IDC	VIII	14 16 39 53.3–.47	20.24N	121.97E	0	4.3L,4.3b		**¶620986723**
GFZ	VIII	14 16 39 54.8–.32	20N–3.0	122E–6.0	10	4.6b,4.6		
BJI	VIII	14 16 39 54.8	20.51N	121.96E	5	4.9b,4.4s		
NEIC	VIII	14 16 39 55.0–2.1	20.36N–.07	122.08E–.08	10–1	4.6b,4.4s		
JMA	VIII	14 16 39 55.8–.89	21N–4.0	122E–2.0	24	4.8,4.4s		
MAN	VIII	14 16 39 55.6	20.29N	121.96E	11	5.6b,4.9s		

ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=10.5km az=84.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.3km az=235.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. PHILIPPINE ISL REGION .
MAN Event type fe. INTENSITY IV - BASCO IVANA SABTANG AND UYUGAN BATANES.

(87) Haiti region

ISC	VIII	**14 17 05 18.0–.78**	**18.40N–.03**	**73.60W–.02**	**8–4**	**5.2b,4.5s**	**802**	**1-154**
IDC	VIII	14 17 05 17.5–.37	18.43N	73.48W	0	4.8b,4.8		**¶620986689**
CATAC	VIII	14 17 05 17.1–.59	18N–2.0	74W–2.0	6–4	5.7b,5.7b		
MOS	VIII	14 17 05 17.7–.89	18.44N	73.61W	9	5.3b,5.7b		
JSN	VIII	14 17 05 17.3–2.5	17.67N	73.43W	0–45	5.0,5.7b		
SSNC	VIII	14 17 05 17.4–1.1	18.50N	73.35W	3	4.8L,4.7W		
NEIC	VIII	14 17 05 18.8	18.47N	73.61W	5	4.8L,4.7W		
NEIC	VIII	14 17 05 19.0–1.4	18.43N–.08	73.60W–.03	10–3	5.2b,4.9		
BGR	VIII	14 17 05 19.7	17.97N	73.93W	33	4.8b,4.9		
OSPL	VIII	14 17 05 19.5–2.0	18.40N	73.58W	5–8	5.2L,4.9		
GFZ	VIII	14 17 05 20.2–.09	18N–2.0	74W–2.0	10	5.0b,5.0		

ISC Event type ke.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.69 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-1.25 $M_{r\theta}$0.34 $M_{\theta\phi}$1.77 $M_{\phi r}$0.01 NP1:ϕ_s124.66688°,δ50.36940°,λ66.19379°. NP2:ϕ_s339.33796°,δ45.19927°,λ115.98424°. Principal axes: T 1.7923,Plg71.6727°,Azm329.4782°; N 0.8776,Plg18.1120°,Azm140.3836° ; P -2.6699,Plg2.7077°,Azm231.2699° $M_0$2.35700×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.68 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-1.25 $M_{r\theta}$0.36 $M_{\theta\phi}$1.78 $M_{\phi r}$-0.07 NP1:ϕ_s125.91894°,δ50.94469°,λ68.21209°. NP2:ϕ_s338.31064°,δ43.85749°,λ114.58198°. Principal axes: T 1.7754,Plg72.8231°,Azm333.2069°; N 0.9081,Plg16.7520°,Azm140.0552° ; P -2.6835,Plg3.6891°,Azm231.1673° $M_0$2.36407×10^{16}
JSN Event type se. Presumed earthquake.
SSNC Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.57 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-1.11 $M_{r\theta}$1.55 $M_{\theta\phi}$1.75 $M_{\phi r}$-0.65 NP1:ϕ_s116.81000°,δ67.80000°,λ62.91000°. NP2:ϕ_s350.36000°,δ34.48000°,λ138.14000°. Principal axes: T 2.4346,Plg58.0000°,Azm349.0000°; N 0.6312,Plg25.0000°,Azm128.0000°; P -3.0658,Plg18.0000°,Azm227.0000° $M_0$2.80000×10^{16}
BGR Event type ke.
OSPL Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(87) Haiti region

ISC	VIII	**14 18 11 10.1–.62**	**18.46N–.03**	**73.65W–.02**	**8–3**	**5.1b,4.7s**	**767**	**1-154**
IDC	VIII	14 18 11 09.2–.40	18.46N	73.53W	0	4.7s,4.6b		**¶620986725**
NEIC	VIII	14 18 11 10.4–1.4	18.59N–.06	73.62W–.05	9–4	5.2,5.1b		
JSN	VIII	14 18 11 11.6–1.7	18.58N	73.59W	0–13	5.1,5.1b		
NEIC	VIII	14 18 11 11.1	18.60N	73.62W	12	5.1,5.1b		
PTWC	VIII	14 18 11 11	18.60N	73.60W	10	5.5,5.1b		
CATAC	VIII	14 18 11 12.9–.76	18N–2.0	74W–1.0	27–7	6.0b,5.9		
GFZ	VIII	14 18 11 12.9–.09	19N–2.0	73W–2.0	10	5.2,5.1b		
OSPL	VIII	14 18 11 12.1–1.8	18.52N	73.63W	0–8	5.4L,5.1b		
SSNC	VIII	14 18 11 13.4–1.5	18.57N	73.63W	3	5.7b,5.0W		
BGR	VIII	14 18 11 14.6	18.05N	73.17W	33	5.2b,5.0s		
GCMT	VIII	14 18 11 17.5–.30	18.44N–.02	73.58W–.02	20–2	5.3W,5.0s		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.19 $M_{\theta\theta}$-3.97 $M_{\phi\phi}$3.78 $M_{r\theta}$-0.66 $M_{\theta\phi}$5.45 $M_{\phi r}$4.49 NP1:ϕ_s73.93000°,δ56.48000°,λ3.84000°. NP2:ϕ_s341.80000°,δ86.80000°,λ146.42000°. Principal axes: T 8.3584,Plg25.0000°,Azm293.0000°; N -0.5793,Plg56.0000°,Azm157.0000°; P -7.7791,Plg21.0000°,Azm33.0000° $M_0$8.08000×10^{16}
JSN Event type se. Presumed earthquake.
NEIC Event type se.
PTWC HAITI REGION.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.39 $M_{\theta\theta}$-0.91 $M_{\phi\phi}$0.52 $M_{r\theta}$0.04 $M_{\theta\phi}$1.08 $M_{\phi r}$0.49 NP1:ϕ_s340.20809°,δ76.57110°,λ156.76778°. NP2:ϕ_s75.90122°,δ67.43857°,λ14.56541°. Principal axes: T 1.3210,Plg25.8181°,Azm296.4132°; N 0.1911,Plg63.3534°,Azm131.7941° ; P -1.5121,Plg6.1471°,Azm29.4000° $M_0$1.42620×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.29 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$0.55 $M_{r\theta}$0.03 $M_{\theta\phi}$1.06 $M_{\phi r}$0.50 NP1:ϕ_s340.85480°,δ78.68355°,λ157.31846°. NP2:ϕ_s75.54311°,δ67.78322°,λ12.23746°. Principal axes: T 1.3265,Plg23.9613°,Azm296.4119°; N 0.1176,Plg64.7862°,Azm135.7037° ; P -1.4441,Plg7.3894°,Azm29.7161° $M_0$1.38903×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$0.50 $M_{r\theta}$0.01 $M_{\theta\phi}$1.01 $M_{\phi r}$0.52 NP1:ϕ_s341.47574°,δ79.54787°,λ155.35573°. NP2:ϕ_s76.23335°,δ65.79114°,λ11.47302°. Principal axes: T 1.2773,Plg24.7234°,Azm296.5121°; N 0.0820,Plg63.3589°,Azm139.9002° ; P -1.3593,Plg9.3044°,Azm30.8385° $M_0$1.32021×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.28 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$0.49 $M_{r\theta}$0.04 $M_{\theta\phi}$1.07 $M_{\phi r}$0.51 NP1:ϕ_s342.00578°,δ78.51953°,λ156.59364°. NP2:ϕ_s76.92999°,δ67.08894°,λ12.47892°. Principal axes: T 1.3140,Plg24.5833°,Azm297.5345°; N 0.0990,Plg64.0727°,Azm137.3128° ; P -1.4130,Plg7.7320°,Azm31.0957° $M_0$1.36619×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.11 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$0.43 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.90 $M_{\phi r}$0.50 NP1:ϕ_s344.77304°,δ87.01520°,λ152.66094°. NP2:ϕ_s76.31511°,δ62.70112°,λ3.35930°. Principal axes: T 1.1087,Plg21.1691°,Azm297.1170°; N 0.0812,Plg62.5110°,Azm159.0218° ; P -1.1899,Plg16.7073°,Azm33.7919° $M_0$1.15146×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.11 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$0.44 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.88 $M_{\phi r}$0.48 NP1:ϕ_s344.32627°,δ87.59540°,λ153.17065°. NP2:ϕ_s75.54192°,δ63.19617°,λ2.69426°. Principal axes: T 1.0858,Plg20.3973°,Azm296.6409°; N 0.0932,Plg63.0711°,Azm159.5843° ; P -1.1790,Plg16.8097°,Azm33.0908° $M_0$1.13528×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.08 $M_{\theta\theta}$-3.80 $M_{\phi\phi}$3.71 $M_{r\theta}$-2.11 $M_{\theta\phi}$6.89 $M_{\phi r}$4.80 NP1:ϕ_s165.70503°,δ87.91588°,λ-146.81321°. NP2:ϕ_s74.34246°,δ56.83799°,λ-2.48985°. Principal axes: T 8.9946,Plg21.1664°,Azm295.0941°; N 0.8364,Plg56.7553°,Azm168.8875° ; P -9.8310,Plg24.3625°,Azm35.1923° $M_0$9.44062×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35 $M_{\theta\theta}$4.00 $M_{r\theta}$-2.14 $M_{\theta\phi}$6.73 $M_{\phi r}$4.30 NP1:ϕ_s166.08229°,δ85.49525°,λ-148.94459°. NP2:ϕ_s73.37444°,δ59.05112°,λ-5.25454°. Principal axes: T 8.7715,Plg17.9453°,Azm295.6309°; N 0.6469,Plg58.6519°,Azm173.5134° ; P -9.4184,Plg24.7830°,Azm34.2306° $M_0$9.11220×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.03 $M_{\theta\theta}$-3.70 $M_{\phi\phi}$3.67 $M_{r\theta}$-1.92 $M_{\theta\phi}$6.75 $M_{\phi r}$4.25 NP1:ϕ_s165.94364°,δ87.38044°,λ-149.39216°. NP2:ϕ_s74.39487°,δ59.42758°,λ-3.04288°. Principal axes: T 8.6080,Plg19.1072°,Azm296.0397°; N 0.7303,Plg59.2911°,Azm170.3614° ; P -9.3383,Plg23.0772°,Azm34.5274° $M_0$8.99542×10^{16} Moment Tensor Solution.

Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21 $M_{\theta\theta}$-3.77 $M_{\phi\phi}$3.98 $M_{r\theta}$-2.12 $M_{\theta\phi}$6.63 $M_{\phi r}$4.43 NP1: ϕ_s165.44718°,δ86.41756°,λ-148.06402°. NP2:ϕ_s73.21677°,δ58.13378°,λ-4.21926°. Principal axes: T 8.7534,Plg19.2157°,Azm294.9031°; N 0.6758,Plg57.8849°,Azm171.1717° ; P -9.4292,Plg24.6763°,Azm34.1180° $M_0$9.11013×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

OSPL Event type se. Presumed earthquake.

SSNC Event type se. Presumed earthquake.

BGR Event type ke.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108141811A. Moment Tensor Solution. s8,c8; s107,c166; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.14±.07 $M_{\theta\theta}$-0.64±.05; $M_{\phi\phi}$0.50±.04; $M_{r\theta}$-0.15±.10; $M_{\theta\phi}$0.86±.04; $M_{\phi r}$0.83±.14; Best double couple: NP1:ϕ_s76.00000°,δ51.00000° ,λ7.00000°. NP2:ϕ_s341.00000°,δ85.00000°,λ141.00000°. Principal axes: T 1.3560,Plg31.0000°,Azm291.0000°; N -0.0350,Plg50.0000°,Azm155.0000° ; P -1.3200,Plg22.0000°,Azm35.0000° $M_0$1.33800×10^{17}

(153) South Sandwich Islands region

ISC	**VIII**	**14 19 03 32.3–.19**	**58.41S–.03**	**25.67W–.04**	**10**	**5.2b,4.8s**	**311**	**7-174**
IDC	VIII	14 19 03 30.7–.36	58.31S	25.51W	0	4.9b,4.9		¶621237504
BJI	VIII	14 19 03 33.0	58.30S	25.70W	10	5.6b,5.4s		
NEIC	VIII	14 19 03 33.4–1.5	58.54S–.08	25.6W–.20	24–3	5.2b,5.4s		
GFZ	VIII	14 19 03 35.9–.15	58S–3.0	25W–3.0	10	5.2b,5.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(153) South Sandwich Islands region

ISC	**VIII**	**14 21 42 07.8–.21**	**56.52S–.05**	**25.63W–.05**	**29**	**5.4b,5.2s**	**465**	**7-176**
IDC	VIII	14 21 42 03.4–.39	56.46S	25.63W	0	5.0s,4.9b		¶620986825
NEIC	VIII	14 21 42 05.7–1.2	56.52S–.10	25.7W–.20	16–3	5.4b,5.3		
GFZ	VIII	14 21 42 06.1	56.52S	25.75W	21	5.6W,5.3		
BJI	VIII	14 21 42 06.4	56.60S	25.60W	20	5.5s,5.4b		
NEIC	VIII	14 21 42 06.1	56.51S	25.63W	18	5.5s,5.4b		
GFZ	VIII	14 21 42 06.4–.31	57S–4.0	26W–6.0	10	5.9b,5.5		
MOS	VIII	14 21 42 07.9–.95	56.65S	26.08W	37	5.5b,5.0s		
PTWC	VIII	14 21 42 10	56.60S	25.70W	48	5.5,5.0s		
GCMT	VIII	14 21 42 13.3–.10	56.57S–.01	25.31W–.01	18–0	5.6W,5.0s		
NEIC	VIII	14 21 42 14.4	56.11S	25.81W	26	5.5,5.0s		

ISC Event type se.

IDC Error ellipse: s-maj=17.2km s-min=13.0km az=58.0.

NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.1km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.20 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-2.20 $M_{r\theta}$-1.05 $M_{\theta\phi}$0.72 $M_{\phi r}$1.63 NP1: ϕ_s175.00465°,δ26.51568°,λ110.12075°. NP2:ϕ_s332.73921°,δ65.21615°,λ80.26124°. Principal axes: T 2.9530,Plg68.3018°,Azm223.8632°; N 0.1335,Plg8.8342°,Azm336.8544° ; P -3.0865,Plg19.6523°,Azm70.0360° $M_0$3.02200×10^{17}

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

MOS Error ellipse: s-maj=20.4km s-min=9.7km az=109.4.

PTWC SOUTH SANDWICH ISLANDS REGION.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108142142A. Moment Tensor Solution. s116,c187; s150,c288;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.24±.05 $M_{\theta\theta}$-0.02±.03; $M_{\phi\phi}$-2.22±.03; $M_{r\theta}$-0.21±.09; $M_{\theta\phi}$0.85±.02; $M_{\phi r}$1.56±.09; Best double couple: NP1: ϕ_s154.00000°,δ29.00000°,λ78.00000°. NP2:ϕ_s348.00000°,δ62.00000°,λ97.00000°. Principal axes: T 2.7320,Plg72.0000°,Azm274.0000°; N 0.2380,Plg6.0000°,Azm165.0000° ; P -2.9710,Plg17.0000°,Azm73.0000° $M_0$2.85200×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}2.29 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-1.99 $M_{r\theta}$-0.71 $M_{\theta\phi}$1.00 $M_{\phi r}$0.42 NP1:ϕ_s166.44000°,δ38.15000° ,λ108.03000°. NP2:ϕ_s323.95000°,δ54.03000°,λ76.33000°. Principal axes: T 2.4775,Plg76.0000°,Azm189.0000°; N 0.0741,Plg11.0000°,Azm332.0000° ; P -2.5516,Plg8.0000°,Azm64.0000° $M_0$2.52000×10^{17}

(87) Haiti region

ISC	**VIII**	**15 02 37 52.8–.44**	**18.45N–.03**	**73.65W–.02**	**16–2**	**5.1b,4.7s**	**661**	**1-154**
IDC	VIII	15 02 37 50.5–.34	18.47N	73.53W	0	4.7b,4.7		¶620986837
SSNC	VIII	15 02 37 51.3–.95	18.36N	73.61W	3	5.1W,5.0L		
CATAC	VIII	15 02 37 53.2–.85	19N–2.0	74W–1.0	19–7	5.8b,5.8b		
NEIC	VIII	15 02 37 53.6–2.2	18.61N–.06	73.57W–.05	14–4	5.1b,5.0		
NEIC	VIII	15 02 37 53.1	18.59N	73.58W	10	5.1b,5.0		
JSN	VIII	15 02 37 53.0–1.7	18.65N	73.59W	0–11	5.1b,5.0		
GFZ	VIII	15 02 37 53.4	18.47N	73.59W	20	5.1W,5.0		
GFZ	VIII	15 02 37 53.7–.19	19N–3.0	74W–2.0	10	5.4b,5.2		
OSPL	VIII	15 02 37 53.6–1.5	18.61N	73.61W	0–8	5.2L,5.2		
NEIC	VIII	15 02 37 54.4	18.60N	73.56W	18	5.2L,5.2		
NEIC	VIII	15 02 37 56.5	18.59N	73.58W	20	5.1,5.2		
GCMT	VIII	15 02 37 57.7–.10	18.58N–.01	73.54W–.01	23–0	5.2W,5.2		
BGR	VIII	15 02 38 02.5	19.01N	72.52W	33	5.2b,4.7s		
UCR	VIII	15 02 38 05.7–2.5	17.65N	73.94W	15–604	4.5W,4.7s		

ISC Event type ke.

IDC Error ellipse: s-maj=9.9km s-min=8.4km az=23.0.

SSNC Event type se. Error ellipse: s-maj=12.2km s-min=7.7km az=-1.0. Presumed earthquake.

CATAC Event type se. Error ellipse: s-maj=4.3km s-min=2.8km az=6.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.96 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-3.34 $M_{r\theta}$-0.16 $M_{\theta\phi}$0.09 $M_{\phi r}$1.74 NP1:ϕ_s179.06473° ,δ32.21757°,λ91.97814°. NP2:ϕ_s356.72695°,δ57.80394°,λ88.75390°. Principal axes: T 4.3640,Plg77.1595°,Azm262.7593°; N -0.6266,Plg1.0545°,Azm357.3910° ; P -3.7374,Plg12.7956°,Azm87.6305° $M_0$4.08691×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.17 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-3.54 $M_{r\theta}$0.04 $M_{\theta\phi}$0.12 $M_{\phi r}$1.77 NP1: ϕ_s176.48068°,δ32.67145°,λ87.91190°. NP2:ϕ_s358.96081°,δ57.35294°,λ91.33853°. Principal axes: T 4.5550,Plg77.6036°,Azm273.3737°; N -0.6239,Plg1.1270°,Azm178.2386° ; P -3.9311,Plg12.3434°,Azm87.9920° $M_0$4.27736×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.06 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-3.42 $M_{r\theta}$-0.19 $M_{\theta\phi}$0.09 $M_{\phi r}$1.77 NP1: ϕ_s179.29875°,δ32.33797°,λ92.36643°. NP2:ϕ_s356.49857°,δ57.69296°,λ88.50257°. Principal axes: T 4.4622,Plg77.2539°,Azm261.6943°; N -0.6437,Plg1.2656°,Azm357.2990° ; P -3.8184,Plg12.6810°,Azm87.5838° $M_0$4.17765×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.31 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-3.64 $M_{r\theta}$0.03 $M_{\theta\phi}$0.11 $M_{\phi r}$1.68 NP1: ϕ_s176.96978°,δ33.58013°,λ88.38987°. NP2:ϕ_s358.90223°,δ56.43489°,λ91.06870°. Principal axes: T 4.6452,Plg78.5355°,Azm272.7068°; N -0.6625,Plg0.8905°,Azm178.3113° ; P -3.9827,Plg11.4289°,Azm88.1313° $M_0$4.35195×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.82 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$3.71 $M_{r\theta}$0.11 $M_{\theta\phi}$-1.41 $M_{\phi r}$1.52 NP1: ϕ_s305.65134°,δ50.98959°,λ-156.85651°. NP2:ϕ_s200.59235°,δ72.21772°,λ-41.37951°. Principal axes: T 4.3908,Plg13.2468°,Azm257.5623°; N -1.7506,Plg45.6021°,Azm1.4730° ; P -2.6402,Plg41.3798°,Azm155.5926° $M_0$3.82849×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.24 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-3.56 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.18 $M_{\phi r}$1.86 NP1: ϕ_s175.58077°,δ32.29556°,λ88.39795°. NP2:ϕ_s357.47582°,δ57.71860°,λ91.01236°. Principal axes: T 4.6560,Plg77.2571°,Azm270.7227°; N -0.6711,Plg0.8559°,Azm176.9351° ; P -3.9849,Plg12.7131°,Azm86.7420° $M_0$4.35936×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.25 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-3.57 $M_{r\theta}$-0.07 $M_{\theta\phi}$0.14 $M_{\phi r}$1.86 NP1: ϕ_s177.10489°,δ32.28488°,λ89.68927°. NP2:ϕ_s357.47243°,δ57.71565°,λ90.19632°. Principal axes: T 4.6717,Plg77.2834°,Azm268.1031°; N -0.6709,Plg0.1660°,Azm177.3676° ; P -4.0008,Plg12.7154°,Azm87.3301° $M_0$4.37499×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.74 $M_{\theta\theta}$-1.75 $M_{\phi\phi}$3.49 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.54 $M_{\phi r}$1.45 NP1: ϕ_s303.32320°,δ51.99064°,λ-158.12410°. NP2:ϕ_s199.43561°,δ72.92799°,λ-40.10382°. Principal axes: T 4.2331,Plg13.1700°,Azm255.6932°; N -1.7099,Plg46.9850°,Azm0.2180° ; P -2.5232,Plg40.0172°,Azm154.3628° $M_0$3.68848×10^{16}

NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.50 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-4.00 $M_{r\theta}$0.38 $M_{\theta\phi}$0.21 $M_{\phi r}$1.00 NP1:ϕ_s1.73000°,δ51.67000°,λ96.09000°. NP2:ϕ_s171.96000°,δ38.73000°,λ82.35000°. Principal axes: T 4.6443,Plg82.0000°,Azm304.0000°; N -0.5237,Plg5.0000°,Azm178.0000° ; P -4.1206,Plg6.0000°,Azm87.0000° $M_0$4.41000×10^{16}

NEIC Event type se.

JSN Event type se. Error ellipse: s-maj=7.6km s-min=8.0km az=-1.0. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}5.28 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$-4.12 $M_{r\theta}$0.09 $M_{\theta\phi}$0.62 $M_{\phi r}$2.09 NP1: ϕ_s165.34474°,δ33.54839°,λ83.23488°. NP2:ϕ_s353.44556°,δ56.71574°,λ94.46647°. Principal axes: T 5.7266,Plg77.7881°,Azm278.5350°; N -1.0603,Plg3.7326°,Azm170.9909° ; P -4.6663,Plg11.6107°,Azm80.2229° $M_0$5.27692×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

OSPL Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=-1.0. Presumed earthquake.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}5.37 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$-4.30 $M_{r\theta}$0.38 $M_{\theta\phi}$1.14 $M_{\phi r}$1.04 NP1:ϕ_s156.52000°,δ40.33000° ,λ80.60000°. NP2:ϕ_s348.77000°,δ50.32000°,λ97.89000°. Principal axes: T 5.5233,Plg82.0000°,Azm304.0000°; N -0.7856,Plg6.0000°,Azm164.0000° ; P -4.7377,Plg5.0000°,Azm73.0000° $M_0$5.18000×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108150237A. Moment Tensor Solution. s90,c147; s128,c226;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.79±.15 $M_{\theta\theta}$-1.44±.09; $M_{\phi\phi}$-5.35±.10; $M_{r\theta}$-0.02±.15; $M_{\theta\phi}$1.40±.06; $M_{\phi r}$3.16±.13; Best double couple: NP1: ϕ_s157.00000°,δ32.00000°,λ80.00000°. NP2:ϕ_s349.00000°,δ58.00000°,λ96.00000°. Principal axes: T 7.5740,Plg76.0000°,Azm278.0000°; N -1.0810,Plg5.0000°,Azm166.0000° ; P -6.4930,Plg13.0000°,Azm74.0000° $M_0$7.03300×10^{16}

BGR Event type ke.

UCR Event type se. Error ellipse: s-maj=337.0km s-min=416.1km az=-1.0. Presumed earthquake.

(87) Haiti region

ISC	**VIII**	**15 03 20 45.6–.49**	**18.33N–.02**	**74.10W–.02**	**13–2**	**6.0b,5.5s**	**1456**	**1-168**
IDC	VIII	15 03 20 43.4–.28	18.32N	74.02W	0	5.5b,5.4		¶620986838
MOS	VIII	15 03 20 43.7–.86	18.37N	74.08W	9	6.1b,5.4s		
NEIC	VIII	15 03 20 44.8	18.35N	74.08W	6	6.1b,5.4s		
NEIC	VIII	15 03 20 44.1	18.38N	74.09W	1	6.1b,5.4s		
JSN	VIII	15 03 20 44.7–2.0	18.48N	74.10W	0–18	6.2W,5.4s		
CATAC	VIII	15 03 20 44.8–.94	18N–2.0	74W–2.0	14–7	6.5b,6.3		
ISC-P	VIII	15 03 20 45	18.40N	74.09W	3–0	6.1,6.3		
IPGP	VIII	15 03 20 45.0	18.37N	74.10W	9	5.7W,6.3		
GFZ	VIII	15 03 20 45.6	18.30N	74.08W	13	5.7W,6.3		
NEIC	VIII	15 03 20 45.3–2.5	18.40N–.05	74.09W–.05	8–2	6.1b,5.7		
NEIC	VIII	15 03 20 45.1	18.38N	74.09W	8	6.1b,5.7		
PTWC	VIII	15 03 20 45	18.50N	74.10W	10	5.9,5.7		
GFZ	VIII	15 03 20 45.8–.14	18N–2.0	74W–2.0	10	5.8,5.8b		
OSPL	VIII	15 03 20 45.5–2.3	18.43N	74.10W	6–12	5.7L,5.8b		
SSNC	VIII	15 03 20 45.2–1.3	18.40N	74.12W	3–7	5.8W,5.8b		
NEIC	VIII	15 03 20 46.6	18.58N	73.99W	18	5.8,5.8b		
GCMT	VIII	15 03 20 48.7–.10	18.45N	74.06W	12	5.7W,5.8b		
BGR	VIII	15 03 20 53.6	18.49N	73.02W	33	5.5b,5.5s		

ISC Event type ke.

IDC Error ellipse: s-maj=9.9km s-min=8.7km az=87.0.

MOS Error ellipse: s-maj=5.7km s-min=4.0km az=78.1.

NEIC Event type se.

NEIC Event type se.

JSN Event type se. Error ellipse: s-maj=13.0km s-min=10.0km az=-1.0. Presumed earthquake.

CATAC Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=6.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.69 $M_{\theta\theta}$-1.94 $M_{\phi\phi}$-1.75 $M_{r\theta}$-0.70 $M_{\theta\phi}$2.19 $M_{\phi r}$-0.64 NP1:ϕ_s148.09892° ,δ46.38766°,λ110.67348°. NP2:ϕ_s299.41819°,δ47.35907°,λ69.66678°. Principal axes: T 3.9378,Plg75.1814°,Azm135.5376°; N 0.0930,Plg14.8098°,Azm313.5097° ; P -4.0308,Plg0.5013°,Azm43.6422° $M_0$3.98514×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.75 $M_{\theta\theta}$-2.04 $M_{\phi\phi}$-1.71 $M_{r\theta}$-0.90 $M_{\theta\phi}$2.18 $M_{\phi r}$-0.38 NP1: ϕ_s146.08500°,δ43.65041°,λ109.74486°. NP2:ϕ_s299.70058°,δ49.48299°,λ72.13688°. Principal axes: T 3.9835,Plg76.1741°,Azm144.5195°; N 0.0953,Plg13.4850°,Azm311.5262° ; P -4.0788,Plg2.9950°,Azm42.2451° $M_0$4.03201×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.84 $M_{\theta\theta}$-1.87 $M_{\phi\phi}$-1.97 $M_{r\theta}$-0.73 $M_{\theta\phi}$2.10 $M_{\phi r}$-0.55 NP1: ϕ_s148.42408°,δ45.61614°,λ108.52252°. NP2:ϕ_s302.83032°,δ47.33980°,λ72.01739°. Principal axes: T 4.0538,Plg76.8467°,Azm139.2262°; N -0.0262,Plg13.1225°,Azm315.2352° ; P -4.0276,Plg0.8838°,Azm45.4413° $M_0$4.04074×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.86 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$-1.96 $M_{r\theta}$-0.64 $M_{\theta\phi}$2.08 $M_{\phi r}$-0.82 NP1: ϕ_s149.57831°,δ47.81803°,λ109.83422°. NP2:ϕ_s301.33535°,δ45.80859°,λ69.47248°. Principal axes: T 4.1306,Plg75.3996°,Azm131.7133°; N -0.1165,Plg14.5619°,Azm315.9633° ; P -4.0142,Plg1.0360°,Azm225.6941° $M_0$4.07365×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.90 $M_{\theta\theta}$-1.88 $M_{\phi\phi}$-2.03 $M_{r\theta}$-0.80 $M_{\theta\phi}$2.06 $M_{\phi r}$-0.54 NP1: ϕ_s148.98994°,δ45.29788°,λ108.88061°. NP2:ϕ_s303.06124°,δ47.73735°,λ71.89331°. Principal axes: T 4.1334,Plg76.6417°,Azm141.0383°; N -0.1205,Plg13.2973°,Azm315.4634° ; P -4.0129,Plg1.2516°,Azm45.7592° $M_0$4.07446×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.82 $M_{\theta\theta}$-1.93 $M_{\phi\phi}$-1.88 $M_{r\theta}$-0.77 $M_{\theta\phi}$2.09 $M_{\phi r}$-0.66 NP1: ϕ_s148.64953°,δ46.16967°,λ110.24878°. NP2:ϕ_s300.60614°,δ47.40508°,λ70.17453°. Principal axes: T 4.0752,Plg75.5273°,Azm136.9504°; N -0.0767,Plg14.4581°,Azm314.3187° ; P -3.9985,Plg0.6367°,Azm44.4829° $M_0$4.03737×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.91 $M_{\theta\theta}$-1.89 $M_{\phi\phi}$-2.03 $M_{r\theta}$-0.80 $M_{\theta\phi}$2.07 $M_{\phi r}$-0.58 NP1: ϕ_s149.18227°,δ45.55479°,λ109.17839°. NP2:ϕ_s302.76794°,δ47.60034°,λ71.48251°. Principal axes: T 4.1523,Plg76.3939°,Azm140.0930°; N -0.1226,Plg13.5639°,Azm315.4944° ; P -4.0296,Plg1.0505°,Azm45.7479° $M_0$4.09233×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.83 $M_{\theta\theta}$-1.92 $M_{\phi\phi}$-1.91 $M_{r\theta}$-0.70 $M_{\theta\phi}$2.11 $M_{\phi r}$-0.67 NP1: ϕ_s148.57453°,δ46.54110°,λ109.53339°. NP2:ϕ_s301.29052°,δ46.83577°,λ70.56490°. Principal axes: T 4.0753,Plg75.9533°,Azm135.5048°; N -0.0442,Plg14.0459°,Azm314.8609° ; P -4.0311,Plg0.1516°,Azm44.8988° $M_0$4.05338×10^{17}

ISC-P Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}0.78±.17 $M_{\theta\theta}$-0.11±.15; $M_{\phi\phi}$0.36±.15; $M_{r\theta}$0.00±.13; $M_{\theta\phi}$-0.27±.16; $M_{\phi r}$0.24±.18; NP1:ϕ_s267.20000°,δ45.50000° ,λ49.20000°. NP2:ϕ_s138.10000°,δ57.30000°,λ123.60000°. $M_0$1.76000×10^{18}

IPGP Moment Tensor Solution. NP1:ϕ_s145.00000°,δ49.00000°,λ112.00000°. NP2:ϕ_s294.00000° ,δ46.00000°,λ67.00000°.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.98 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$-1.78 $M_{r\theta}$0.89 $M_{\theta\phi}$2.30 $M_{\phi r}$-1.24 NP1: ϕ_s136.78862°,δ55.09403°,λ95.21676°. NP2:ϕ_s307.72323°,δ35.24466°,λ82.57577°. Principal axes: T 4.2702,Plg79.1488°,Azm66.7577°; N 0.2900,Plg4.2763°,Azm313.7979° ; P -4.5602,Plg9.9543°,Azm223.0459° $M_0$4.42235×10^{17}

NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.8km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.39 $M_{\theta\theta}$-2.05 $M_{\phi\phi}$-1.34 $M_{r\theta}$0.09 $M_{\theta\phi}$2.10 $M_{\phi r}$-1.57 NP1:ϕ_s147.49000°,δ56.01000°,λ111.26000°. NP2:ϕ_s292.64000°,δ39.40000° ,λ61.72000°. Principal axes: T 3.9126,Plg70.0000°,Azm107.0000°; N 0.0727,Plg17.0000° ,Azm315.0000°; P -3.9853,Plg9.0000°,Azm222.0000° $M_0$3.95000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.99 $M_{\theta\theta}$-2.28 $M_{\phi\phi}$-1.70 $M_{r\theta}$-0.24 $M_{\theta\phi}$2.46 $M_{\phi r}$-2.93 NP1:ϕ_s289.64000°,δ38.25000°,λ50.17000°. NP2:ϕ_s156.37000°,δ61.61000° ,λ116.79000°. Principal axes: T 5.4243,Plg63.0000°,Azm111.0000°; N -0.5547,Plg23.0000° ,Azm323.0000°; P -4.8695,Plg13.0000°,Azm227.0000° $M_0$5.17000×10^{17}

NEIC Event type se.

PTWC HAITI REGION.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

OSPL Event type se. Error ellipse: s-maj=8.3km s-min=5.2km az=-1.0. Presumed earthquake.

SSNC Event type se. Error ellipse: s-maj=5.9km s-min=12.1km az=-1.0. Presumed earthquake.

NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.16 $M_{\theta\theta}$-2.96 $M_{\phi\phi}$-2.20 $M_{r\theta}$-0.46 $M_{\theta\phi}$2.41 $M_{\phi r}$-1.55 NP1:ϕ_s296.83000°,δ43.03000° ,λ68.77000°. NP2:ϕ_s144.82000°,δ50.50000°,λ108.67000°. Principal axes: T 5.5784,Plg75.0000°,Azm117.0000°; N -0.5194,Plg14.0000°,Azm313.0000° ; P -5.0590,Plg4.0000°,Azm222.0000° $M_0$5.34000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108150320A. Moment Tensor Solution. s123,c258; s166,c427;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.29±.03 $M_{\theta\theta}$-2.20±.03; $M_{\phi\phi}$-2.08±.03; $M_{r\theta}$-0.60±.09; $M_{\theta\phi}$2.68±.03; $M_{\phi r}$-1.87±.10; Best double couple: NP1:ϕ_s294.00000°,δ43.00000°,λ59.00000°. NP2:ϕ_s154.00000°,δ54.00000°,λ116.00000°. Principal axes: T 5.0540,Plg68.0000°,Azm122.0000°; N -0.1350,Plg21.0000°,Azm318.0000° ; P -4.9090,Plg6.0000°,Azm226.0000° $M_0$4.98200×10^{17}

BGR Event type ke.

(87) Haiti region

ISC	**VIII**	**15 04 00 02.7–2.8**	**18.40N–.05**	**74.16W–.04**	**16–18**	**4.0b**	**135**	**2-76**
IDC	VIII	15 04 00 00.5–.89	18.38N	74.07W	0	3.8b,3.8		¶621023538
RSNC	VIII	15 04 00 01.1–.30	18N–2.0	74W–2.0	0	5.8b,5.4		
CATAC	VIII	15 04 00 01.2–.15	18N–1.0	74W–1.0	12	5.0b,4.4		

NEIC VIII 15 04 00 02.2–1.5 18.40N–.02 74.12W–.06 10–1 4.1b,4.4
SSNC VIII 15 04 00 03.7–.94 18.46N 74.08W 3 3.5W,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=15.8km az=14.0.
CATAC Event type se. Error ellipse: s-maj=3.3km s-min=2.7km az=58.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=3.0km az=256.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=6.5km s-min=8.4km az=-1.0. Presumed earthquake.

(87) Haiti region

ISC	**VIII**	**15 07 01 39.5–1.8**	**18.44N–.04**	**73.71W–.03**	**2–12**	**3.9b**	**124**	**1-154**
CATAC	VIII	15 07 01 40.0–.21	18N–2.0	74W–2.0	1	4.8b,4.4b		**¶621023561**
IDC	VIII	15 07 01 39.4–1.0	18.49N	73.85W	0	3.8,3.7b		
RSNC	VIII	15 07 01 41.0–.30	18N–2.0	74W–2.0	10	5.9b,5.5		
JSN	VIII	15 07 01 42.3–1.5	18.50N	73.74W	0–17	4.4,5.5		
NEIC	VIII	15 07 01 42.3–1.5	18.51N–.06	73.66W–.03	13–6	4.0b,5.5		
SSNC	VIII	15 07 01 44.8–1.7	18.57N	73.75W	3	3.5W,3.4L		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.2km s-min=3.5km az=90.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=31.3km s-min=26.6km az=71.0.
JSN Event type se. Error ellipse: s-maj=10.8km s-min=7.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=3.5km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=10.0km s-min=7.3km az=-1.0. Presumed earthquake.

(153) South Sandwich Islands region

ISC	**VIII**	**15 07 50 47.8–.38**	**58.89S–.07**	**23.70W–.07**	**10**	**4.6b,4.0s**	**102**	**8-157**
IDC	VIII	15 07 50 46.0–.53	58.69S	23.78W	0	4.6L,4.5b		**¶621023566**
NEIC	VIII	15 07 50 47.6–.94	58.89S–.10	23.6W–.20	10–1	4.6b,4.5b		
GFZ	VIII	15 07 50 48.2–.19	59S–4.0	24W–3.0	10	6.7b,6.5		
GCMT	VIII	15 07 50 51.6–.30	59.05S–.04	23.44W–.06	20–1	4.9W,6.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108150750A. Moment Tensor Solution. s22,c24; s82,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.00±.23 $M_{\theta\theta}$0.93±.14; $M_{\phi\phi}$2.07±.15; $M_{r\theta}$-0.41±.29; $M_{\theta\phi}$0.70±.07; $M_{\phi r}$1.16±.29; Best double couple: NP1:ϕ_s35.00000°,δ37.00000°,λ-71.00000°. NP2:ϕ_s191.00000°,δ56.00000°,λ-104.00000°. Principal axes: T 2.5490,Plg10.0000°,Azm291.0000°; N 0.7740,Plg11.0000°,Azm199.0000° ; P -3.3240,Plg75.0000°,Azm60.0000° $M_0$2.93600×10^{16}

(717) Afghanistan-Tajikistan border region

ISC	**VIII**	**15 10 41 12.3–.40**	**37.46N–.03**	**70.12E–.02**	**15–2**	**5.2b,4.8s**	**1447**	**4-149**
NNC	VIII	15 10 41 08.0–2.4	37.42N	69.91E	0	5.6b,5.4		**¶620986900**
BJI	VIII	15 10 41 09.6	37.44N	70.31E	5	5.3b,5.2L		
IDC	VIII	15 10 41 09.3–.38	37.37N	70.18E	0	5.0b,5.0		
MOS	VIII	15 10 41 10.7–.98	37.49N	70.14E	12	5.3b,4.8s		
NEIC	VIII	15 10 41 11.4–1.3	37.49N–.06	70.14E–.08	9–4	5.2b,5.2		
GCMT	VIII	15 10 41 12.8–.20	37.51N–.01	70.10E–.01	12–0	5.2W,5.2		
GFZ	VIII	15 10 41 16.2–.30	37N–2.0	70E–1.0	37–2	5.6b,5.1b		
BGR	VIII	15 10 41 22.6	37.41N	69.08E	33	5.0b,4.8s		

ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=20.9km s-min=17.2km az=6.0.
IDC Error ellipse: s-maj=9.4km s-min=7.8km az=158.0.
MOS Error ellipse: s-maj=4.3km s-min=3.5km az=125.8.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=9.1km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108151041A. Moment Tensor Solution. s72,c110; s123,c223;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.00±.14 $M_{\theta\theta}$-0.39±.10; $M_{\phi\phi}$-2.61±.11; $M_{r\theta}$-4.72±.45; $M_{\theta\phi}$-4.23±.09; $M_{\phi r}$-0.57±.27; Best double couple: NP1:ϕ_s2.00000°,δ40.00000°,λ26.00000°. NP2:ϕ_s252.00000°,δ74.00000°,λ127.00000°. Principal axes: T 6.8040,Plg48.0000°,Azm201.0000°; N 0.3100,Plg35.0000°,Azm60.0000° ; P -7.1100,Plg20.0000°,Azm315.0000° $M_0$6.95700×10^{16}
GFZ Error ellipse: s-maj=4.8km s-min=2.9km az=13.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.

(706) Northern Sumatera

ISC	**VIII**	**15 17 42 13.1–.64**	**1.51N–.03**	**97.52E–.04**	**33–2**	**4.5b,3.9s**	**206**	**0-145**
IDC	VIII	15 17 42 07.9–.61	1.47N	97.54E	0	4.2b,4.2		**¶620987275**
GFZ	VIII	15 17 42 13.9–.32	1N–3.0	98E–3.0	43–3	4.6,4.5b		
NEIC	VIII	15 17 42 13.9–2.1	1.40N–.08	97.59E–.08	45–5	4.5b,4.5b		
DJA	VIII	15 17 42 13.3–.30	2N–2.0	97E–2.0	24–3	6.0b,5.6		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**16 05 46 18.1–.17**	**56.98S–.03**	**25.72W–.03**	**15**	**5.8b,5.5s**	**743**	**7-176**
ISC-P	VIII	16 05 46 17	56.90S	25.67W	14–0	6.1,5.5s		**¶620987304**
NEIC	VIII	16 05 46 17.9	56.90S	25.67W	16	6.1,5.5s		
NEIC	VIII	16 05 46 17.9–.78	56.90S–.08	25.7W–.20	16–2	5.8b,5.6		
GFZ	VIII	16 05 46 18.8	56.88S	25.73W	19	5.8W,5.6		
GFZ	VIII	16 05 46 18.6–.25	57S–4.0	26W–4.0	10	5.7b,5.6		
NEIC	VIII	16 05 46 18	56.90S	25.66W	16	5.7b,5.6		
IPGP	VIII	16 05 46 19.0	56.91S	25.68W	25	5.8W,5.6		
IDC	VIII	16 05 46 20.5–1.8	56.84S	25.54W	32–12	5.3,5.3s		
MOS	VIII	16 05 46 20.9–1.1	57.11S	26.19W	40	5.5b,5.3s		
PTWC	VIII	16 05 46 24	57.00S	25.90W	50	6.3,5.3s		
GCMT	VIII	16 05 46 24.3–.10	56.87S–.01	25.11W–.01	19–0	5.8W,5.3s		
NEIC	VIII	16 05 46 25.4	56.60S	25.49W	20	5.7,5.3s		

ISC Event type se.
ISC-P Moment Tensor Solution. s30 Moment tensor: Scale 10^{18}Nm; M_{rr}0.47±.18 $M_{\theta\theta}$0.21±.24; $M_{\phi\phi}$-0.67±.24; $M_{r\theta}$0.25±.24; $M_{\theta\phi}$0.22±.26; $M_{\phi r}$0.18±.20; NP1:ϕ_s139.70000°,δ46.00000°,λ42.30000°. NP2:ϕ_s17.40000°,δ61.10000°,λ127.40000°. $M_0$1.58000×10^{18}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.3km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.52 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$-2.17 $M_{r\theta}$-0.43 $M_{\theta\phi}$1.77 $M_{\phi r}$1.61 NP1:ϕ_s339.13000°,δ60.40000°,λ102.26000°. NP2:ϕ_s135.37000°,δ31.82000°,λ69.50000°. Principal axes: T 3.0259,Plg72.0000°,Azm278.0000°; N 0.6447,Plg11.0000°,Azm153.0000°; P -3.6706,Plg15.0000°,Azm60.0000° $M_0$3.39000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.55 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$-4.06 $M_{r\theta}$-2.09 $M_{\theta\phi}$1.46 $M_{\phi r}$5.02 NP1:ϕ_s162.78523°,δ20.04835°,λ94.41454°. NP2:ϕ_s338.08717°,δ70.01367°,λ88.39104°. Principal axes: T 7.0877,Plg64.9509°,Azm245.3994°; N 0.0259,Plg1.5120°,Azm338.6372° ; P -7.1136,Plg24.9971°,Azm69.3424° $M_0$7.10069×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s148.00000°,δ27.00000°,λ81.00000°. NP2:ϕ_s338.00000°,δ64.00000°,λ94.00000°.
IDC Error ellipse: s-maj=15.3km s-min=10.9km az=47.0.
MOS Error ellipse: s-maj=21.4km s-min=10.1km az=111.2.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108160546A. Moment Tensor Solution. s155,c317; s160,c359;Duration: 1σ9 Moment tensor: Scale 10^{17}Nm; M_{rr}4.62±.05 $M_{\theta\theta}$-0.20±.04; $M_{\phi\phi}$-4.41±.04; $M_{r\theta}$-1.08±.10; $M_{\theta\phi}$1.76±.03; $M_{\phi r}$3.78±.12; Best double couple: NP1:ϕ_s157.00000°,δ26.00000°,λ85.00000°. NP2:ϕ_s343.00000°,δ65.00000°,λ92.00000°. Principal axes: T 6.0230,Plg70.0000°,Azm258.0000°; N 0.4240,Plg2.0000°,Azm162.0000° ; P -6.4410,Plg20.0000°,Azm71.0000° $M_0$6.23200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3σ7 Moment tensor: Scale 10^{17}Nm; M_{rr}4.01 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$-3.26 $M_{r\theta}$-0.13 $M_{\theta\phi}$1.82 $M_{\phi r}$2.28 NP1:ϕ_s140.56000°,δ32.70000°,λ70.08000°. NP2:ϕ_s343.87000°,δ59.47000°,λ102.34000°. Principal axes: T 4.6945,Plg73.0000°,Azm284.0000°; N 0.0229,Plg11.0000°,Azm158.0000° ; P -4.7174,Plg14.0000°,Azm65.0000° $M_0$4.71000×10^{17}

(153) South Sandwich Islands region

ISC	**VIII**	**16 11 10 36.8–.34**	**58.42S–.03**	**23.54W–.03**	**16–1**	**6.6s,6.3b**	**2021**	**8-177**
IDC	VIII	16 11 10 33.9–.27	58.33S	23.28W	0	6.5L,6.5s		**¶620987366**
IPGP	VIII	16 11 10 35.0	58.38S	23.33W	19	6.9W,6.5s		
NEIC	VIII	16 11 10 35.6	58.39S	23.32W	10	6.9W,6.5s		
BJI	VIII	16 11 10 36.2	58.35S	23.40W	9	6.8s,6.8		
NEIC	VIII	16 11 10 36.5	58.37S	23.36W	16	6.8s,6.8		
NEIC	VIII	16 11 10 36.6–1.4	58.37S–.08	23.4W–.10	17–3	6.6,6.3b		
GFZ	VIII	16 11 10 36.3–.14	58S–3.0	23W–2.0	10	6.8b,6.7		
GFZ	VIII	16 11 10 36.8	58.47S	23.50W	20	6.9W,6.7		
ISC-P	VIII	16 11 10 36	58.37S	23.36W	24–0	7.0,6.7		
MOS	VIII	16 11 10 37.1–1.3	58.39S	23.54W	26	6.6s,6.4b		
PTWC	VIII	16 11 10 39	58.50S	23.20W		7.1,6.4b		
GCMT	VIII	16 11 10 44.8–.00	58.48S	22.83W	15–0	6.8W,6.4b		
NEIC	VIII	16 11 10 46	58.19S	22.94W	22	6.9,6.4b		
NEIC	VIII	16 11 10 52	57.95S	22.43W	23	6.9,6.4b		

ISC Event type se.
IDC Error ellipse: s-maj=11.5km s-min=9.9km az=38.0.
IPGP Moment Tensor Solution. NP1:ϕ_s346.00000°,δ42.00000°,λ-138.00000°. NP2:ϕ_s222.00000°,δ63.00000°,λ-56.00000°.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=11.1km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-1.65 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$2.33 $M_{r\theta}$-0.76 $M_{\theta\phi}$0.85 $M_{\phi r}$1.65 NP1:ϕ_s167.19048°,δ68.40925°,λ-120.39912°. NP2:ϕ_s45.09375°,δ36.67816°,λ-38.02774°. Principal axes: T 3.0067,Plg17.8728°,Azm279.2738°; N -0.2637,Plg28.0678°,Azm179.3726° ; P -2.7430,Plg55.8223°,Azm37.6262° $M_0$2.88386×10^{19}
ISC-P Moment Tensor Solution. s29 Moment tensor: Scale 10^{19}Nm; M_{rr}0.16±.12 $M_{\theta\theta}$-0.50±.17; $M_{\phi\phi}$0.36±.17; $M_{r\theta}$0.32±.20; $M_{\theta\phi}$0.43±.11; $M_{\phi r}$0.12±.15; NP1:ϕ_s314.30000°,δ42.80000°,λ165.50000°. NP2:ϕ_s55.10000°,δ80.20000°,λ48.10000°. $M_0$4.37000×10^{19}
MOS Error ellipse: s-maj=16.5km s-min=8.8km az=99.1.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108161110A. Moment Tensor Solution. s173,c435; s160,c727;Duration: 6σ3 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.44±.01 $M_{\theta\theta}$-0.92±.01; $M_{\phi\phi}$2.36±.01; $M_{r\theta}$0.27±.03; $M_{\theta\phi}$1.14±.01; $M_{\phi r}$0.41±.03; Best double couple: NP1:ϕ_s351.00000°,δ45.00000°,λ-128.00000°. NP2:ϕ_s219.00000°,δ56.00000°,λ-59.00000°. Principal axes: T 2.7710,Plg6.0000°,Azm288.0000°; N -1.2150,Plg26.0000°,Azm21.0000° ; P -1.5600,Plg63.0000°,Azm185.0000° $M_0$2.16600×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 14σ4 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.99 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$2.70 $M_{r\theta}$0.09 $M_{\theta\phi}$1.11 $M_{\phi r}$-0.41 NP1:ϕ_s208.13000°,δ42.04000°,λ-73.12000°. NP2:ϕ_s5.90000°,δ50.15000°,λ-104.67000°. Principal axes: T 3.0570,Plg4.0000°,Azm106.0000°; N -1.0017,Plg11.0000°,Azm15.0000° ; P -2.0552,Plg78.0000°,Azm216.0000° $M_0$2.70000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 16σ3 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.97 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$2.54 $M_{r\theta}$1.27 $M_{\theta\phi}$1.30 $M_{\phi r}$1.34 NP1:ϕ_s354.67000°,δ32.83000°,λ-129.58000°. NP2:ϕ_s219.20000°,δ65.30000°,λ-67.65000°. Principal axes: T 3.5388,Plg17.0000°,Azm293.0000°; N -0.7652,Plg20.0000°,Azm29.0000° ; P -2.7736,Plg63.0000°,Azm165.0000° $M_0$3.16000×10^{19}

(153) South Sandwich Islands region

ISC	**VIII**	**16 11 52 28.1–.29**	**58.70S–.06**	**23.77W–.06**	**10**	**6.2s,5.0b**	**243**	**8-174**
IDC	VIII	16 11 52 26.5–.40	58.60S	23.69W	0	4.8b,4.8		**¶620987369**
NEIC	VIII	16 11 52 28.3–1.6	58.70S–.03	23.7W–.20	10–1	5.0b,4.8		
GFZ	VIII	16 11 52 29.2–.17	59S–3.0	24W–3.0	10	5.1b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(273) Southwest of Sumatera

ISC	**VIII**	**16 14 01 01.1–.68**	**4.28S–.07**	**100.93E–.07**	**10**	**4.3b**	**77**	**1-94**
IDC	VIII	16 14 00 59.9–1.8	4.18S	100.96E	0	3.9b,3.9		**¶621030186**
DJA	VIII	16 14 01 01.2–.40	4S–4.0	101E–3.0	10	6.0b,4.8		
NEIC	VIII	16 14 01 02.9–.80	4.2S–.10	100.9E–.10	15–2	4.5b,4.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VIII**	**16 20 50 34.7–.45**	**60.30S–.04**	**24.87W–.05**	**9–2**	**5.5b,5.1s**	**732**	**9-177**
BJI	VIII	16 20 50 32.5	60.30S	24.80W	10	5.5b,5.3s		**¶621237517**
IDC	VIII	16 20 50 33.5–.34	60.29S	24.74W	0	5.3b,5.2		
MOS	VIII	16 20 50 34.1–1.2	60.31S	25.13W	11	5.6b,5.0s		
NEIC	VIII	16 20 50 34.3	60.25S	24.94W	10	5.6b,5.0s		
NEIC	VIII	16 20 50 34.3–2.2	60.25S–.08	24.9W–.20	10–1	5.5b,5.1		
GFZ	VIII	16 20 50 35.3–.14	60S–3.0	25W–3.0	10	5.6b,5.6		
GFZ	VIII	16 20 50 35.3	60.36S	24.66W	15	5.6W,5.6		
NEIC	VIII	16 20 50 35	59.75S	23.73W	12	5.5,5.6		
GCMT	VIII	16 20 50 41.5–.10	60.44S–.01	24.12W–.01	12	5.5W,5.6		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.86 $M_{\theta\theta}$0.63 $M_{\phi\phi}$2.23 $M_{r\theta}$-0.16 $M_{\theta\phi}$1.05 $M_{\phi r}$1.07 NP1:ϕ_s195.30988°,δ54.84066°,λ-102.66614°. NP2:ϕ_s36.62918°,δ37.09296°,λ-72.70846°. Principal axes: T 2.8939,Plg9.0235°,Azm294.3421°; N 0.2198,Plg10.3269°,Azm202.6839° ; P -3.1137,Plg76.2202°,Azm64.6976° $M_0$3.00985×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3σ4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.35 $M_{\theta\theta}$0.18 $M_{\phi\phi}$2.16 $M_{r\theta}$0.78 $M_{\theta\phi}$1.11 $M_{\phi r}$0.12 NP1:ϕ_s8.22000°,δ42.37000°,λ-114.37000°. NP2:ϕ_s219.74000°,δ52.13000°,λ-69.37000°. Principal axes: T 2.6975,Plg5.0000°,Azm295.0000°; N -0.1204,Plg16.0000°,Azm27.0000° ; P -2.5771,Plg73.0000°,Azm188.0000° $M_0$2.64000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108162050A. Moment Tensor Solution. s117,c197; s155,c330;Duration: 1σ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.43±.03 $M_{\theta\theta}$0.32±.03; $M_{\phi\phi}$2.11±.03; $M_{r\theta}$-0.24±.08; $M_{\theta\phi}$1.32±.02; $M_{\phi r}$-0.42±.07; Best double couple: NP1:ϕ_s207.00000°,δ40.00000°,λ-91.00000°. NP2:ϕ_s28.00000°,δ50.00000°,λ-89.00000°. Principal axes: T 2.8550,Plg5.0000°,Azm118.0000°; N -0.3810,Plg0.0000°,Azm208.0000° ; P -2.4750,Plg85.0000°,Azm303.0000° $M_0$2.66500×10^{17}

(153) South Sandwich Islands region

ISC	**VIII**	**16 23 37 24.1–.49**	**59.52S–.04**	**26.30W–.04**	**44–4**	**5.5b,5.0s**	**736**	**8-177**
IDC	VIII	16 23 37 17.7–.32	59.43S	26.32W	0	5.4b,5.4		**¶620990399**
GFZ	VIII	16 23 37 21.1	59.54S	26.27W	47	5.5W,5.4		
BJI	VIII	16 23 37 21.8	59.50S	26.20W	40	5.4s,5.4b		
MOS	VIII	16 23 37 22.5–.89	59.55S	26.42W	37	5.6b,4.8s		
NEIC	VIII	16 23 37 24.1–2.2	59.54S–.07	26.3W–.10	41–3	5.6b,5.0		
NEIC	VIII	16 23 37 24.5	59.63S	25.72W	46	5.5,5.0		
NEIC	VIII	16 23 37 24.1	59.53S	26.31W	42	5.5,5.0		
GFZ	VIII	16 23 37 26.5–.31	60S–3.0	26W–2.0	54–2	5.6b,5.5		
GCMT	VIII	16 23 37 29.2–.10	59.79S–.01	25.58W–.01	49–0	5.5W,5.5		
PTWC	VIII	16 23 37 32	59.70S	26.20W	125	5.8,5.5		

ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=11.9km az=56.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.35 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$-1.61 $M_{r\theta}$-0.33 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.36 NP1:ϕ_s211.92293°,δ42.93729°,λ102.71076°. NP2:ϕ_s14.79907°,δ48.35575°,λ78.42967°. Principal axes: T 2.4276,Plg80.9486°,Azm220.4426°; N -0.5985,Plg8.6202°,Azm22.5463°

; P -1.8291,Plg2.7396°,Azm112.9619° $M_0$2.19058×10^{17}
MOS Error ellipse: s-maj=19.4km s-min=9.1km az=100.3.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.6km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}7 Moment tensor: Scale 10^{17}Nm;
M_{rr}2.16 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-1.93 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.74 $M_{\theta r}$0.17 NP1:ϕ_s196.50000°,δ41.99000°
,λ84.06000°. NP2:ϕ_s24.47000°,δ48.28000°,λ95.32000°. Principal axes:
T 2.1880,Plg85.0000°,Azm342.0000°; N 0.0323,Plg4.0000°,Azm201.0000°
; P -2.2202,Plg3.0000°,Azm111.0000° $M_0$2.20000×10^{17}
NEIC Event type se.
GFZ Error ellipse: s-maj=7.0km s-min=4.7km az=18.1. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202108162337A. Moment Tensor Solution. s140,c249;
s143,c278;Duration: 1^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.36±.03 $M_{\theta\theta}$0.01±.03;
$M_{\phi\phi}$-2.38±.02; $M_{r\theta}$-0.03±.02; $M_{\theta\phi}$-0.86±.02; $M_{\theta r}$0.12±.02; Best double couple: NP1:
ϕ_s200.00000°,δ44.00000°,λ93.00000°. NP2:ϕ_s16.00000°,δ46.00000°,λ87.00000°.
Principal axes: T 2.3650,Plg88.0000°,Azm231.0000°; N 0.2850,Plg2.0000°,Azm18.0000°
; P -2.6580,Plg1.0000°,Azm108.0000° $M_0$2.51100×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.
(192) New Britain region

ISC	**VIII**	**17 01 16 00.4–.36**	**6.53S–.05**	**153.07E–.06**	**10**	**4.8b,3.7s**	**145**	**2-151**
BJI	VIII	17 01 15 57.0	6.60S	153.20E	10	5.2b,4.9b		**¶620990407**
IDC	VIII	17 01 15 58.8–.58	6.56S	152.79E	0	4.3b,4.3		
NEIC	VIII	17 01 16 00.5–1.8	6.52S–.06	153.0E–.10	10–1	4.9b,4.3		
DJA	VIII	17 01 16 00.6–.20	7S–3.0	153E–2.0	10	6.7b,6.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(153) South Sandwich Islands region

ISC	**VIII**	**17 03 10 51.3–.49**	**57.96S–.04**	**24.06W–.04**	**16–2**	**5.4b,5.1s**	**564**	**8-175**
IDC	VIII	17 03 10 48.7–.34	57.85S	23.90W	0	5.8L,5.0b		**¶621237519**
NEIC	VIII	17 03 10 50.0–1.1	58.03S–.10	23.9W–.20	10–1	5.6,5.6b		
MOS	VIII	17 03 10 49.7–1.0	57.96S	24.03W	14	5.5b,4.9s		
NEIC	VIII	17 03 10 50	58.04S	23.91W	10	5.5b,4.9s		
GFZ	VIII	17 03 10 50.8–.21	58S–3.0	24W–4.0	10	5.7,5.6b		
PTWC	VIII	17 03 10 51	58.00S	23.90W	15	5.7,5.6b		
GFZ	VIII	17 03 10 51.2	58.03S	24.03W	21	5.7W,5.6b		
GCMT	VIII	17 03 10 54.4–.10	57.97S–.01	23.36W–.01	22–0	5.6W,5.6b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26 $M_{\theta\theta}$-2.71 $M_{\phi\phi}$2.97 $M_{r\theta}$-0.20
$M_{\theta\phi}$1.06 $M_{\theta r}$0.32 NP1:ϕ_s145.28000°,δ89.40000°,λ-172.72000°. NP2:ϕ_s55.21000°,δ82.72000°
,λ-0.61000°. Principal axes: T 3.1822,Plg5.0000°,Azm280.0000°; N -0.2590,Plg83.0000°
,Azm150.0000°; P -2.9231,Plg6.0000°,Azm10.0000° $M_0$3.06000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PTWC SOUTH SANDWICH ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.20 $M_{\theta\theta}$-4.29 $M_{\phi\phi}$4.10 $M_{r\theta}$-0.73 $M_{\theta\phi}$1.15 $M_{\theta r}$0.54 NP1:
ϕ_s142.86484°,δ87.66318°,λ-168.82101°. NP2:ϕ_s52.40317°,δ78.83043°,λ-2.38196°.
Principal axes: T 4.2998,Plg6.2084°,Azm277.1142°; N 0.2835,Plg78.5824°,Azm154.5225°
; P -4.5833,Plg9.5441°,Azm8.1622° $M_0$4.44834×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202108170310A. Moment Tensor Solution. s137,c253;
s156,c326;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.70±.04 $M_{\theta\theta}$-3.11±.04;
$M_{\phi\phi}$3.81±.04; $M_{r\theta}$-0.68±.06; $M_{\theta\phi}$0.84±.03; $M_{\theta r}$0.30±.06; Best double couple: NP1:ϕ_s51.00000°
,δ78.00000°,λ-9.00000°. NP2:ϕ_s143.00000°,δ82.00000°,λ-167.00000°. Principal axes:
T 3.9210,Plg3.0000°,Azm277.0000°; N -0.5250,Plg75.0000°,Azm176.0000°
; P -3.3990,Plg15.0000°,Azm7.0000° $M_0$3.66000×10^{17}
(153) South Sandwich Islands region

ISC	**VIII**	**17 17 53 27.4–.17**	**58.10S–.03**	**25.49W–.04**	**36–3**	**6.1b,5.9s**	**1576**	**7-175**
BJI	VIII	17 17 53 19.9	57.62S	24.95W	10	6.2s,6.1		**¶620993293**
IDC	VIII	17 17 53 25.8–1.1	57.91S	25.33W	22–6	5.8s,5.7		
ISC-P	VIII	17 17 53 26	58.03S	25.42W	15–0	6.5,5.7		
MOS	VIII	17 17 53 26.9–.90	58.01S	25.48W	39	6.2b,5.9s		
NEIC	VIII	17 17 53 26.8–1.6	58.03S–.08	25.4W–.10	33–2	6.2b,6.1		
NEIC	VIII	17 17 53 27.1	58.01S	25.47W	30	6.2b,6.1		
NEIC	VIII	17 17 53 28	58.01S	25.48W	36	6.2b,6.1		
IPGP	VIII	17 17 53 29.0	58.02S	25.47W	33	6.1W,6.1		
GFZ	VIII	17 17 53 29.3	58.00S	25.57W	35	6.1W,6.1		
GFZ	VIII	17 17 53 29.3–.33	58S–2.0	26W–2.0	44–3	6.4b,6.2		
PTWC	VIII	17 17 53 31	58.00S	25.40W	75	6.3,6.2		
GCMT	VIII	17 17 53 32.1–.10	58.04S	24.78W	39–0	6.1W,6.2		
NEIC	VIII	17 17 53 34.7	58.01S	25.28W	40	6.1,6.2		

ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=10.2km az=46.0.
ISC-P Moment Tensor Solution. s28 Moment tensor: Scale 10^{18}Nm; M_{rr}0.57±.15 $M_{\theta\theta}$0.20±.17;
$M_{\phi\phi}$-0.75±.16; $M_{r\theta}$0.09±.21; $M_{\theta\phi}$0.16±.28; $M_{\theta r}$-0.02±.12; NP1:ϕ_s11.60000°,δ52.80000°
,λ104.10000°. NP2:ϕ_s168.90000°,δ39.40000°,λ72.20000°. $M_0$7.50000×10^{18}
MOS Error ellipse: s-maj=16.1km s-min=8.4km az=98.7.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.7km az=209.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.34 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.37 $M_{r\theta}$-0.26 $M_{\theta\phi}$0.71
$M_{\theta r}$0.38 NP1:ϕ_s332.94000°,δ53.49000°,λ84.29000°. NP2:ϕ_s162.48000°,δ36.89000°
,λ97.65000°. Principal axes: T 1.4093,Plg80.0000°,Azm218.0000°; N 0.3199,Plg5.0000°
,Azm336.0000°; P -1.7292,Plg8.0000°,Azm67.0000° $M_0$1.59000×10^{18}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s172.00000°,δ33.00000°,λ98.00000°. NP2:ϕ_s343.00000°
,δ57.00000°,λ85.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}1.41 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.45 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.28 $M_{\theta r}$0.45 NP1:
ϕ_s166.67501°,δ36.60291°,λ85.07152°. NP2:ϕ_s352.80590°,δ53.55427°,λ93.65114°.
Principal axes: T 1.4801,Plg81.0119°,Azm279.5578°; N 0.0894,Plg2.9363°,Azm170.6350°
; P -1.5696,Plg8.4874°,Azm80.1964° $M_0$1.52682×10^{18}
GFZ Error ellipse: s-maj=5.8km s-min=4.1km az=34.3. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. ID: C202108171753A. Moment Tensor Solution.
s166,c389; s167,c647;Duration: 2^{s}8 Moment tensor: Scale 10^{18}Nm; M_{rr}1.74±.01
$M_{\theta\theta}$0.13±.01; $M_{\phi\phi}$-1.87±.01; $M_{r\theta}$-0.18±.01; $M_{\theta\phi}$0.19±.01; $M_{\theta r}$0.77±.01; Best double couple:
NP1:ϕ_s178.00000°,δ33.00000°,λ96.00000°. NP2:ϕ_s351.00000°,δ57.00000°,λ86.00000°.
Principal axes: T 1.9070,Plg78.0000°,Azm249.0000°; N 0.1390,Plg3.0000°,Azm353.0000°
; P -2.0500,Plg12.0000°,Azm84.0000° $M_0$1.97900×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6^{s}1 Moment tensor: Scale 10^{18}Nm;
M_{rr}1.70 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-1.69 $M_{r\theta}$-0.52 $M_{\theta\phi}$0.14 $M_{\theta r}$0.84 NP1:ϕ_s186.98000°,δ32.41000°
,λ111.05000°. NP2:ϕ_s342.47000°,δ59.99000°,λ77.15000°. Principal axes:
T 2.0132,Plg72.0000°,Azm222.0000°; N -0.0909,Plg11.0000°,Azm349.0000°
; P -1.9224,Plg14.0000°,Azm82.0000° $M_0$1.97000×10^{18}
(153) South Sandwich Islands region

ISC	**VIII**	**17 20 06 13.5–.41**	**59.61S–.04**	**26.17W–.05**	**43–3**	**5.6b,5.2s**	**781**	**8-173**
MOS	VIII	17 20 06 12.8–.95	59.61S	26.34W	46	5.6b,5.1s		**¶621237524**
NEIC	VIII	17 20 06 12.9	59.61S	26.12W	35	5.6b,5.1s		
IDC	VIII	17 20 06 12.6–1.1	59.54S	26.15W	35–6	5.8L,5.3		
NEIC	VIII	17 20 06 13.5	59.21S	25.53W	30	5.5,5.3		
NEIC	VIII	17 20 06 13.3–1.5	59.63S–.09	26.2W–.20	42–4	5.6b,5.3		
PTWC	VIII	17 20 06 14	59.50S	25.50W	71	5.7,5.3		
GFZ	VIII	17 20 06 16.1–.16	60S–4.0	26W–3.0	56	5.7b,5.6		
GFZ	VIII	17 20 06 16.1	59.67S	26.35W	34	5.6W,5.6		
GCMT	VIII	17 20 06 17.9–.10	59.95S–.01	25.63W–.01	36–0	5.6W,5.6		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}1 Moment tensor: Scale 10^{17}Nm;
M_{rr}2.00 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-1.84 $M_{r\theta}$-0.28 $M_{\theta\phi}$-0.38 $M_{\theta r}$0.76 NP1:ϕ_s202.28000°,δ36.31000°
,λ107.18000°. NP2:ϕ_s1.29000°,δ55.55000°,λ77.75000°. Principal axes:
T 2.1929,Plg76.0000°,Azm233.0000°; N -0.1544,Plg10.0000°,Azm8.0000°
; P -2.0385,Plg10.0000°,Azm100.0000° $M_0$2.12000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PTWC SOUTH SANDWICH ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}2.96 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$-1.98 $M_{r\theta}$0.59 $M_{\theta\phi}$-0.96 $M_{\theta r}$-0.92 NP1:
ϕ_s195.80373°,δ52.01288°,λ71.26308°. NP2:ϕ_s44.66334°,δ41.72224°,λ112.35921°.
Principal axes: T 3.2654,Plg74.3619°,Azm48.3850°; N -0.6566,Plg14.6653°,Azm207.5961°
; P -2.6089,Plg5.3107°,Azm298.9900° $M_0$2.99169×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202108172006A. Moment Tensor Solution. s134,c242;
s145,c283;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.20±.05 $M_{\theta\theta}$-0.43±.04;
$M_{\phi\phi}$-2.78±.04; $M_{r\theta}$-0.12±.05; $M_{\theta\phi}$-1.59±.03; $M_{\theta r}$1.05±.04; Best double couple: NP1:
ϕ_s218.00000°,δ39.00000°,λ107.00000°. NP2:ϕ_s16.00000°,δ53.00000°,λ77.00000°.
Principal axes: T 3.4210,Plg77.0000°,Azm241.0000°; N 0.2690,Plg10.0000°,Azm24.0000°
; P -3.6970,Plg7.0000°,Azm116.0000° $M_0$3.55900×10^{17}
(153) South Sandwich Islands region

ISC	**VIII**	**18 02 48 57.0–.33**	**59.63S–.04**	**26.50W–.04**	**43–2**	**5.8b,5.4s**	**1169**	**8-177**
IDC	VIII	18 02 48 50.6–.30	59.37S	25.85W	0	5.6b,5.6		**¶620996159**
BJI	VIII	18 02 48 53.8	59.60S	26.30W	30	5.8s,5.7		
GFZ	VIII	18 02 48 53.8	59.73S	26.36W	40	5.8W,5.7		
MOS	VIII	18 02 48 56.1–.79	59.60S	26.39W	41	5.9b,5.3s		
ISC-P	VIII	18 02 48 56	59.63S	26.39W	35–0	6.3,5.3s		
IPGP	VIII	18 02 48 56.0	59.70S	26.13W	40	5.9W,5.3s		
NEIC	VIII	18 02 48 56.3–1.6	59.63S–.07	26.4W–.10	31–1	5.9b,5.7		
NEIC	VIII	18 02 48 56.5	59.70S	26.26W	34	5.9b,5.7		
NEIC	VIII	18 02 48 56.7	59.68S	26.25W	36	5.9b,5.7		
GFZ	VIII	18 02 48 57.8–.32	60S–3.0	26W–3.0	38–2	5.9,5.8b		
PTWC	VIII	18 02 48 58	59.90S	26.10W		6.1,5.8b		
GCMT	VIII	18 02 49 02.8–.10	59.96S	25.70W	41–0	5.8W,5.8b		
NEIC	VIII	18 02 49 02.1	59.78S	25.65W	40	5.8,5.8b		

ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=9.9km az=67.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}5.57 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-5.24 $M_{r\theta}$0.43 $M_{\theta\phi}$-2.16 $M_{\theta r}$-0.65 NP1:
ϕ_s193.84470°,δ47.63972°,λ80.67446°. NP2:ϕ_s27.54162°,δ43.18425°,λ100.07670°.
Principal axes: T 5.6608,Plg82.7629°,Azm38.4003°; N 0.4108,Plg6.8770°,Azm200.1586°
; P -6.0715,Plg2.2437°,Azm290.4293° $M_0$5.87694×10^{17}
MOS Error ellipse: s-maj=17.4km s-min=9.2km az=100.2.
ISC-P Moment Tensor Solution. s26 Moment tensor: Scale 10^{18}Nm; M_{rr}0.56±.16 $M_{\theta\theta}$0.15±.16;
$M_{\phi\phi}$-0.69±.16; $M_{r\theta}$-0.16±.17; $M_{\theta\phi}$0.22±.29; $M_{\theta r}$-0.15±.11; NP1:ϕ_s211.20000°,δ41.00000°
,λ123.10000°. NP2:ϕ_s350.40000°,δ56.70000°,λ64.60000°. $M_0$3.51000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s215.00000°,δ40.00000°,λ118.00000°. NP2:ϕ_s360.00000°
,δ55.00000°,λ68.00000°.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.8km az=220.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.53 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-3.65 $M_{r\theta}$-0.48
$M_{\theta\phi}$-0.45 $M_{\theta r}$1.66 NP1:ϕ_s356.93000°,δ57.67000°,λ79.11000°. NP2:ϕ_s196.71000°,δ33.93000°
,λ106.62000°. Principal axes: T 3.9814,Plg75.0000°,Azm236.0000°; N 0.0619,Plg9.0000°
,Azm3.0000°; P -4.0433,Plg12.0000°,Azm95.0000° $M_0$4.01000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ Error ellipse: s-maj=7.1km s-min=4.6km az=38.4. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. ID: C202108180248A. Moment Tensor Solution.
s155,c320; s160,c475;Duration: 2^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}4.65±.05
$M_{\theta\theta}$0.95±.04; $M_{\phi\phi}$-5.60±.04; $M_{r\theta}$-1.43±.05; $M_{\theta\phi}$-2.68±.03; $M_{\theta r}$2.91±.05; Best double couple:
NP1:ϕ_s226.00000°,δ41.00000°,λ133.00000°. NP2:ϕ_s355.00000°,δ62.00000°,λ60.00000°.
Principal axes: T 6.2830,Plg61.0000°,Azm218.0000°; N 0.7340,Plg26.0000°,Azm11.0000°
; P -7.0190,Plg12.0000°,Azm107.0000° $M_0$6.65100×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}9 Moment tensor: Scale 10^{17}Nm;
M_{rr}4.15 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-4.55 $M_{r\theta}$-1.14 $M_{\theta\phi}$-2.13 $M_{\theta r}$2.66 NP1:ϕ_s224.08000°,δ38.20000°
,λ129.40000°. NP2:ϕ_s357.82000°,δ61.46000°,λ63.46000°. Principal axes:
T 5.4836,Plg63.0000°,Azm223.0000°; N 0.3212,Plg23.0000°,Azm11.0000°
; P -5.8048,Plg13.0000°,Azm107.0000° $M_0$5.65000×10^{17}
(705) Off west coast of northern Sumatera

ISC	**VIII**	**18 09 58 40.8–1.1**	**2.55N–.04**	**95.81E–.06**	**10**	**4.0b**	**67**	**2-52**
DJA	VIII	18 09 58 41.8–.50	3N–2.0	96E–3.0	13–4	6.3b,6.0		**¶626188771**

ISC Event type se.
(153) South Sandwich Islands region

ISC	**VIII**	**18 20 28 59.2–.33**	**59.84S–.05**	**26.57W–.06**	**36–3**	**5.4b,4.8s**	**384**	**8-173**
IDC	VIII	18 20 28 53.5–.37	59.72S	26.44W	0	5.2L,5.1b		**¶620996739**
NEIC	VIII	18 20 28 59.0–1.3	59.86S–.08	26.3W–.20	35–1	5.4b,5.2		
BJI	VIII	18 20 29 00.0	59.90S	26.50W	52	5.2s,5.1b		
GFZ	VIII	18 20 29 00.8–.18	60S–4.0	26W–3.0	50	5.6,5.5b		
GCMT	VIII	18 20 29 03.7–.10	60.12S–.01	25.90W–.02	31–0	5.3W,5.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202108182029A. Moment Tensor Solution. s112,c182;
s125,c224;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.02 $M_{\theta\theta}$-0.16±.02;
$M_{\phi\phi}$-0.71±.02; $M_{r\theta}$0.45±.03; $M_{\theta\phi}$-0.56±.01; $M_{\theta r}$0.72±.02; Best double couple: NP1:
ϕ_s212.00000°,δ24.00000°,λ90.00000°. NP2:ϕ_s32.00000°,δ66.00000°,λ90.00000°.
Principal axes: T 1.1880,Plg69.0000°,Azm302.0000°; N 0.1950,Plg0.0000°,Azm212.0000°
; P -1.3830,Plg21.0000°,Azm122.0000° $M_0$1.28600×10^{17}
(153) South Sandwich Islands region

ISC	**VIII**	**18 21 49 57.0–.38**	**59.70S–.04**	**26.45W–.04**	**41–3**	**5.8b,5.6s**	**1192**	**8-179**
BJI	VIII	18 21 49 49.0	59.70S	26.40W	10	5.9s,5.9		**¶621237534**
GFZ	VIII	18 21 49 54.0	59.71S	26.40W	43	5.9W,5.9		
ISC-P	VIII	18 21 49 55	59.63S	26.35W	32–0	6.4,5.9		
NEIC	VIII	18 21 49 55.7–1.4	59.63S–.08	26.4W–.20	28–1	5.9,5.9b		
MOS	VIII	18 21 49 55.6–.78	59.66S	26.45W	36	5.9b,5.6s		
NEIC	VIII	18 21 49 56.4	59.70S	26.43W	33	5.9b,5.6s		
NEIC	VIII	18 21 49 56.8	59.69S	26.42W	35	5.9b,5.6s		
PTWC	VIII	18 21 49 56	59.50S	26.00W		6.2,5.6s		
IPGP	VIII	18 21 49 57.0	59.71S	26.37W	40	6.0W,5.6s		
IDC	VIII	18 21 49 57.7–1.3	59.58S	26.43W	45–10	6.2L,5.6		
GFZ	VIII	18 21 49 58.5–.12	60S–3.0	26W–2.0	42	5.9,5.8b		
GCMT	VIII	18 21 50 02.1–.10	59.94S	25.73W	47–0	5.9W,5.8b		
NEIC	VIII	18 21 50 03.3	59.69S	26.03W	46	6.0,5.8b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}7.11 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$-5.74 $M_{r\theta}$-1.95 $M_{\theta\phi}$-3.17 $M_{\theta r}$1.99 NP1:
ϕ_s225.37089°,δ44.56669°,λ117.15609°. NP2:ϕ_s9.61651°,δ51.36303°,λ65.79302°.
Principal axes: T 8.0627,Plg70.9568°,Azm216.9167°; N -0.6073,Plg18.6802°,Azm25.2960°
; P -7.4554,Plg3.5696°,Azm116.5045° $M_0$7.77686×10^{17}
ISC-P Moment Tensor Solution. s26 Moment tensor: Scale 10^{18}Nm; M_{rr}0.53±.15 $M_{\theta\theta}$0.02±.17;
$M_{\phi\phi}$-0.56±.20; $M_{r\theta}$-0.23±.17; $M_{\theta\phi}$0.38±.24; $M_{\theta r}$0.01±.12; NP1:ϕ_s341.60000°,δ64.80000°
,λ74.00000°. NP2:ϕ_s195.60000°,δ29.60000°,λ120.40000°. $M_0$5.13000×10^{18}
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.1km az=229.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.79 $M_{\theta\theta}$-1.42 $M_{\phi\phi}$-6.37 $M_{r\theta}$-1.31
$M_{\theta\phi}$-0.95 $M_{\theta r}$2.03 NP1:ϕ_s359.90000°,δ52.83000°,λ78.05000°. NP2:ϕ_s199.21000°,δ38.78000°
,λ105.28000°. Principal axes: T 8.2896,Plg78.0000°,Azm225.0000°; N -1.5210,Plg9.0000°
,Azm7.0000°; P -6.7685,Plg7.0000°,Azm98.0000° $M_0$7.64000×10^{17}
MOS Error ellipse: s-maj=17.9km s-min=8.6km az=99.1.
NEIC Event type se.

NEIC Event type se.
PTWC SOUTH SANDWICH ISLANDS REGION.
IPGP Moment Tensor Solution. NP1:ϕ_s208.00000°,δ41.00000°,λ113.00000°. NP2:ϕ_s359.00000°,δ53.00000°,λ71.00000°.
IDC Error ellipse: s-maj=16.7km s-min=11.2km az=60.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108182149A. Moment Tensor Solution. s162,c370; s166,c521;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.83±.01 $M_{\theta\theta}$0.06±.01; $M_{\phi\phi}$-0.88±.01; $M_{r\theta}$-0.25±.01; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$0.29±.01; Best double couple: NP1:ϕ_s223.00000°,δ44.00000°,λ124.00000°. NP2:ϕ_s360.00000°,δ55.00000°,λ61.00000°. Principal axes: T 0.9940,Plg66.0000°,Azm213.0000°; N 0.0750,Plg23.0000°,Azm17.0000° ; P -1.0690,Plg6.0000°,Azm109.0000° $M_0$1.03100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.81 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.71 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.77 NP1:ϕ_s218.04000°,δ25.80000°,λ115.14000°. NP2:ϕ_s10.51000°,δ66.80000°,λ78.40000°. Principal axes: T 1.1385,Plg66.0000°,Azm260.0000°; N 0.0079,Plg11.0000°,Azm15.0000° ; P -1.1464,Plg21.0000°,Azm109.0000° $M_0$1.14000×10^{18}

(153) South Sandwich Islands region

ISC	**VIII**	**18 23 30 33.9–.27**	**58.64S–.06**	**23.27W–.06**	**10**	**5.2b,4.3s**	**270**	**9-163**
IDC	VIII	18 23 30 32.8–.42	58.49S	23.23W	0	5.1L,4.8b		**¶620996854**
BJI	VIII	18 23 30 33.4	58.70S	23.30W	10	5.5b,5.0s		
NEIC	VIII	18 23 30 33.6–1.5	58.70S–.09	23.3W–.20	10–1	5.2b,5.0s		
GFZ	VIII	18 23 30 34.9–.19	59S–3.0	23W–4.0	10	5.1b,5.1		
GCMT	VIII	18 23 30 37.1–.30	58.77S–.02	22.77W–.03	12	5.1W,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108182330A. Moment Tensor Solution. s18,c18; s112,c155; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.45±.17 $M_{\theta\theta}$-2.38±.16; $M_{\phi\phi}$4.82±.14; $M_{r\theta}$-1.71±.46; $M_{\theta\phi}$2.04±.12; $M_{\phi r}$2.39±.50; Best double couple: NP1:ϕ_s52.00000°,δ49.00000°,λ-25.00000°. NP2:ϕ_s160.00000°,δ71.00000°,λ-136.00000°. Principal axes: T 5.8160,Plg14.0000°,Azm281.0000°; N -0.7100,Plg43.0000°,Azm178.0000° ; P -5.1160,Plg44.0000°,Azm25.0000° $M_0$5.46600×10^{16}

(221) Kuril Islands

ISC	**VIII**	**19 05 29 58.6–.70**	**46.15N–.04**	**153.47E–.03**	**28–4**	**5.1b,4.2s**	**896**	**4-154**
BJI	VIII	19 05 29 54.1	46.33N	153.36E	7	4.8b,4.8b		**¶620996872**
IDC	VIII	19 05 29 54.4–.37	46.13N	153.42E	0	4.7b,4.7		
GFZ	VIII	19 05 29 56.7–.14	46N–3.0	153E–2.0	10	5.1b,4.9		
NEIC	VIII	19 05 29 56.0–.86	46.16N–.09	153.4E–.10	10–1	5.2b,4.9		
SKHL	VIII	19 05 29 58.3–.50	46.20N	153.50E	45–5	5.7b,4.9		
GCMT	VIII	19 05 29 59.5–.20	46.07N–.02	153.48E–.02	18–0	4.9W,4.9		
JMA	VIII	19 05 30 00.8–.71	46N–4.0	153E–5.0	30	5.0,4.9		
MOS	VIII	19 05 30 02.4–1.0	46.19N	153.47E	59	5.1b,4.2s		

ISC Event type ke.
IDC Error ellipse: s-maj=11.3km s-min=8.1km az=150.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=11.7km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108190529A. Moment Tensor Solution. s37,c51; s111,c172; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.28±.14 $M_{\theta\theta}$-1.42±.10; $M_{\phi\phi}$-0.87±.09; $M_{r\theta}$-0.05±.19; $M_{\theta\phi}$1.74±.05; $M_{\phi r}$-1.51±.20; Best double couple: NP1:ϕ_s286.00000°,δ41.00000°,λ50.00000°. NP2:ϕ_s154.00000°,δ60.00000°,λ119.00000°. Principal axes: T 3.0120,Plg63.0000°,Azm113.0000°; N 0.0620,Plg25.0000°,Azm319.0000° ; P -3.0840,Plg11.0000°,Azm224.0000° $M_0$3.04800×10^{16}
JMA Event type ke. KURILE ISLANDS REGION .
MOS Error ellipse: s-maj=10.8km s-min=5.6km az=108.2.

(153) South Sandwich Islands region

ISC	**VIII**	**19 08 28 26.2–.51**	**57.94S–.05**	**25.74W–.05**	**55–4**	**5.2b,4.7s**	**441**	**7-175**
GFZ	VIII	19 08 28 22.2–.23	58S–4.0	26W–4.0	10	5.2b,5.1		**¶620996878**
MOS	VIII	19 08 28 23.3–.98	57.91S	25.72W	39	5.6b,5.1		
BJI	VIII	19 08 28 24.2	58.00S	25.70W	34	5.1s,5.1b		
NEIC	VIII	19 08 28 25.7–.65	57.97S–.08	25.8W–.20	50–6	5.3,5.3b		
IDC	VIII	19 08 28 28.9–2.3	57.86S	25.60W	77–19	5.1,4.8b		
GCMT	VIII	19 08 28 29.4–.10	57.94S–.01	24.96W–.02	55–0	5.3W,4.8b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108190828A. Moment Tensor Solution. s132,c207; s135,c231;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.02 $M_{\theta\theta}$0.21±.02; $M_{\phi\phi}$-1.26±.01; $M_{r\theta}$0.10±.01; $M_{\theta\phi}$0.16±.01; $M_{\phi r}$0.12±.02; Best double couple: NP1:ϕ_s166.00000°,δ43.00000°,λ79.00000°. NP2:ϕ_s1.00000°,δ48.00000°,λ100.00000°. Principal axes: T 1.0700,Plg82.0000°,Azm334.0000°; N 0.2110,Plg7.0000°,Azm175.0000° ; P -1.2820,Plg3.0000°,Azm84.0000° $M_0$1.17600×10^{17}

(83) South of Panama

ISC	**VIII**	**19 10 06 21.0–1.6**	**7.18N–.05**	**82.69W–.03**	**3–9**	**4.2b,3.5s**	**198**	**1-86**
RSNC	VIII	19 10 06 20.0–.40	7N–4.0	83W–4.0	0	5.7b,5.3		**¶620997097**
CATAC	VIII	19 10 06 22.6	7N–3.0	83W–3.0	3–1	4.7b,4.6		
UPA	VIII	19 10 06 23.4–1.5	7.13N	82.73W	22–13	4.6W,4.6		
NEIC	VIII	19 10 06 24.0–2.1	7.29N–.02	82.66W–.09	10–1	4.5b,4.6		
GFZ	VIII	19 10 06 23.7–.43	7N–6.0	82W–7.0	10	4.2b,4.2		
IDC	VIII	19 10 06 31.2–3.0	9.01N	82.11W	0	3.8L,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
UPA Event type se. Error ellipse: s-maj=4.1km s-min=4.7km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s70.00000°,δ60.00000°,λ-22.00000°.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=3.6km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=69.0km s-min=19.6km az=11.0.

(229) Off east coast of Honshu

ISC	**VIII**	**21 21 55 40.0–.56**	**36.02N–.03**	**142.43E–.04**	**11–3**	**5.1s,5.0b**	**1111**	**1-150**
IDC	VIII	21 21 55 38.0–.43	36.01N	142.44E	0	4.7b,4.7		**¶620999416**
MOS	VIII	21 21 55 38.9–.93	36.00N	142.39E	16	5.4s,5.2b		
BJI	VIII	21 21 55 39.4	36.19N	142.07E	6	5.5s,5.3b		
NEIC	VIII	21 21 55 39.6–1.1	36.04N–.06	142.49E–.09	10–1	5.1b,5.3b		
NEIC	VIII	21 21 55 39.9	35.81N	142.97E	12	5.2,5.3b		
NEIC	VIII	21 21 55 39.5	36.01N	142.60E	10	5.2,5.3b		
JMA	VIII	21 21 55 41.1–.05	36.1N–.20	142.5E–.30	14–0	5.3,5.2W		
NIED	VIII	21 21 55 41.1	36.05N	142.47E	14	5.2W,5.2W		
GFZ	VIII	21 21 55 41.0–.11	36N–2.0	142E–2.0	10	5.0b,5.0		
BGR	VIII	21 21 55 42.2	36.03N	142.34E	20	5.1s,5.0b		
GCMT	VIII	21 21 55 43.3–.10	35.95N–.01	142.59E–.01	12	5.1W,5.0b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}4.23 $M_{\theta\theta}$-1.78 $M_{\phi\phi}$-2.45 $M_{r\theta}$4.13 $M_{\theta\phi}$-2.43 $M_{\phi r}$5.38 NP1:ϕ_s224.81000°,δ16.57000°,λ96.51000°. NP2:ϕ_s38.02000°,δ73.54000°,λ88.07000°. Principal axes: T 7.9261,Plg61.0000°,Azm305.0000°; N 0.3252,Plg2.0000°,Azm39.0000° ; P -8.2514,Plg29.0000°,Azm130.0000° $M_0$8.09000×10^{16}
NEIC Event type se.
JMA Event type ke. FAR E OFF KANTO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}5.07 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-5.26 $M_{r\theta}$1.74 $M_{\theta\phi}$-2.56 $M_{\phi r}$-0.00 NP1:ϕ_s183.00000°,δ45.00000°,λ62.00000°. NP2:ϕ_s40.00000°,δ51.00000°,λ116.00000°. $M_0$6.00000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108212155A. Moment Tensor Solution. s74,c120; s133,c252;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.04±.07 $M_{\theta\theta}$-1.97±.07; $M_{\phi\phi}$-3.07±.07; $M_{r\theta}$1.37±.22; $M_{\theta\phi}$-2.67±.06; $M_{\phi r}$2.57±.21; Best double couple: NP1:ϕ_s225.00000°,δ31.00000°,λ100.00000°. NP2:ϕ_s34.00000°,δ60.00000°,λ84.00000°. Principal axes: T 5.8330,Plg75.0000°,Azm288.0000°; N 0.1570,Plg5.0000°,Azm37.0000° ; P -5.9900,Plg15.0000°,Azm128.0000° $M_0$5.91200×10^{16}

(153) South Sandwich Islands region

ISC	**VIII**	**22 00 45 08.1–.14**	**60.15S–.03**	**24.36W–.03**	**8**	**6.6s,6.3b**	**2158**	**9-177**
IDC	VIII	22 00 45 06.6–.28	60.12S	24.57W	0	6.8L,6.6s		**¶620999428**
NEIC	VIII	22 00 45 07.9–1.3	60.14S–.08	24.2W–.20	7–1	6.6,6.5b		
MOS	VIII	22 00 45 07.3–.91	60.15S	24.33W	10	6.5s,6.5b		
ISC-P	VIII	22 00 45 07	60.14S	24.22W	8–0	6.8,6.5b		
BJI	VIII	22 00 45 08.8	60.30S	24.35W	10	6.9s,6.9b		
PTWC	VIII	22 00 45 08	60.30S	24.40W	10	7.1,6.9b		
IPGP	VIII	22 00 45 08.0	60.10S	24.46W	12	6.7W,6.9b		
NEIC	VIII	22 00 45 08.2	60.14S	24.29W	11	6.7W,6.9b		
NEIC	VIII	22 00 45 08.2	60.15S	24.31W	11	6.7W,6.9b		
GFZ	VIII	22 00 45 08.7–.14	60S–3.0	24W–2.0	10	7.0b,6.9		
GFZ	VIII	22 00 45 09.3	60.24S	24.52W	21	6.8W,6.9		
GCMT	VIII	22 00 45 13.8–.00	60.33S	23.60W	12	6.7W,6.9		
NEIC	VIII	22 00 45 19.7	60.25S	23.91W	12	6.6,6.9		

ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=9.0km az=50.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.7km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-4.81 $M_{\theta\theta}$1.81 $M_{\phi\phi}$3.00 $M_{r\theta}$2.46 $M_{\theta\phi}$3.06 $M_{\phi r}$0.94 NP1:ϕ_s233.54000°,δ58.61000°,λ-73.81000°. NP2:ϕ_s24.41000°,δ34.94000°,λ-114.56000°. Principal axes: T 6.0194,Plg12.0000°,Azm312.0000°; N -0.3982,Plg14.0000°,Azm45.0000°; P -5.6213,Plg71.0000°,Azm182.0000° $M_0$5.83000×10^{18}
MOS Error ellipse: s-maj=18.0km s-min=9.2km az=94.1.
ISC-P Moment Tensor Solution. s28 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.86±.09 $M_{\theta\theta}$0.12±.12; $M_{\phi\phi}$-0.22±.11; $M_{r\theta}$-0.15±.09; $M_{\theta\phi}$-0.26±.11; $M_{\phi r}$0.05±.20; NP1:ϕ_s61.30000°,δ58.70000°,λ251.30000°. NP2:ϕ_s274.40000°,δ36.00000°,λ-62.20000°. $M_0$2.26000×10^{19}
PTWC SOUTH SANDWICH ISLANDS REGION.
IPGP Moment Tensor Solution. NP1:ϕ_s10.00000°,δ44.00000°,λ-121.00000°. NP2:ϕ_s231.00000°,δ53.00000°,λ-63.00000°.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-1.64 $M_{\theta\theta}$0.51 $M_{\phi\phi}$1.13 $M_{r\theta}$0.70 $M_{\theta\phi}$0.74 $M_{\phi r}$1.13 NP1:ϕ_s212.56153°,δ64.59665°,λ-90.90374°. NP2:ϕ_s34.66745°,δ25.41835°,λ-88.09779°. Principal axes: T 2.0914,Plg19.5918°,Azm303.2398°; N 0.0198,Plg0.8164°,Azm212.9493° ; P -2.1112,Plg70.3898°,Azm120.6572° $M_0$2.10137×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202108220045A. Moment Tensor Solution. s164,c398; s170,c822;Duration: 5s4 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.20±.00 $M_{\theta\theta}$0.21±.00; $M_{\phi\phi}$0.98±.00; $M_{r\theta}$0.29±.01; $M_{\theta\phi}$0.76±.00; $M_{\phi r}$0.04±.01; Best double couple: NP1:ϕ_s19.00000°,δ42.00000°,λ-109.00000°. NP2:ϕ_s224.00000°,δ50.00000°,λ-74.00000°. Principal axes: T 1.4680,Plg4.0000°,Azm302.0000°; N -0.2020,Plg13.0000°,Azm33.0000° ; P -1.2650,Plg77.0000°,Azm194.0000° $M_0$1.36600×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 12s1 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.09 $M_{\theta\theta}$0.28 $M_{\phi\phi}$0.81 $M_{r\theta}$-0.10 $M_{\theta\phi}$0.66 $M_{\phi r}$0.04 NP1:ϕ_s207.85000°,δ44.67000°,λ-99.02000°. NP2:ϕ_s40.43000°,δ46.03000°,λ-81.19000°. Principal axes: T 1.2541,Plg1.0000°,Azm124.0000°; N -0.1545,Plg6.0000°,Azm214.0000° ; P -1.0997,Plg84.0000°,Azm28.0000° $M_0$1.18000×10^{19}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**22 02 24 34.9–.25**	**37.61N–.03**	**141.74E–.04**	**57–1**	**5.3b,5.2s**	**1302**	**1-160**
MOS	VIII	22 02 24 32.1–.81	37.65N	141.73E	44	5.5b,5.2s		**¶620999431**
BJI	VIII	22 02 24 32.6	37.63N	141.55E	50	5.6b,5.2s		
IDC	VIII	22 02 24 35.7–.32	37.62N	141.60E	62–2	5.1,4.8b		
JMA	VIII	22 02 24 35.4–.05	37.6N–.10	141.6E–.20	60–0	5.6,5.1		
NEIC	VIII	22 02 24 35.2–2.2	37.58N–.06	141.78E–.09	57–4	5.3b,5.1		
GFZ	VIII	22 02 24 35.1–.26	38N–2.0	142E–2.0	54–2	5.5,5.2b		
BGR	VIII	22 02 24 36.3	37.66N	141.94E	68–1	5.1b,5.2b		

ISC Event type ke.
MOS Error ellipse: s-maj=6.0km s-min=3.6km az=106.8.
IDC Error ellipse: s-maj=8.2km s-min=7.9km az=88.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.5km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=5.2km s-min=3.6km az=114.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.

(153) South Sandwich Islands region

ISC	**VIII**	**22 15 21 59.5–.57**	**58.21S–.04**	**25.10W–.04**	**29–3**	**5.4b,5.4s**	**544**	**7-175**
IDC	VIII	22 15 21 55.3–.37	58.17S	25.03W	0	5.4L,5.3b		**¶622451668**
BJI	VIII	22 15 21 55.1	58.36S	25.32W	15	5.6s,5.4b		
NEIC	VIII	22 15 21 58.8	58.28S	25.06W	21	5.6s,5.4b		
MOS	VIII	22 15 21 58.2–.98	58.23S	25.21W	27	5.5b,5.3s		
NEIC	VIII	22 15 21 58.8–1.1	58.28S–.09	25.1W–.20	21–1	5.5,5.5b		
NEIC	VIII	22 15 21 58.1	58.27S	25.03W	16	5.5,5.5b		
NEIC	VIII	22 15 21 59.1	58.18S	24.49W	20	5.7,5.5b		
PTWC	VIII	22 15 22 01	58.20S	24.90W	41	6.1,5.5b		
GFZ	VIII	22 15 22 01.5	58.19S	25.06W	27	5.6W,5.5b		
GFZ	VIII	22 15 22 01.5–.16	58S–3.0	25W–3.0	39	5.3,5.3b		
IPGP	VIII	22 15 22 02.0	58.29S	25.09W	26	5.7W,5.3b		
GCMT	VIII	22 15 22 03.1–.10	58.32S–.01	24.63W–.01	35–0	5.7W,5.3b		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.40 $M_{r\theta}$-1.59 $M_{\theta\phi}$1.47 $M_{\phi r}$0.49 NP1:ϕ_s286.60000°,δ72.89000°,λ62.06000°. NP2:ϕ_s167.59000°,δ32.40000°,λ146.71000°. Principal axes: T 2.0707,Plg54.0000°,Azm163.0000°; N 0.5666,Plg27.0000°,Azm295.0000°; P -2.6372,Plg23.0000°,Azm38.0000° $M_0$2.40000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.36 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$-0.75 $M_{r\theta}$-2.83 $M_{\theta\phi}$2.62 $M_{\phi r}$0.73 NP1:ϕ_s176.12000°,δ36.81000°,λ159.12000°. NP2:ϕ_s283.10000°,δ77.67000°,λ55.04000°. Principal axes: T 3.6254,Plg46.0000°,Azm158.0000°; N 0.8214,Plg34.0000°,Azm292.0000° ; P -4.4468,Plg25.0000°,Azm40.0000° $M_0$4.10000×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.57 $M_{\theta\theta}$0.21 $M_{\phi\phi}$-1.78 $M_{r\theta}$-1.86 $M_{\theta\phi}$2.10 $M_{\phi r}$-0.03 NP1:ϕ_s182.99280°,δ48.39201°,λ151.45137°. NP2:ϕ_s292.85603°,δ69.06358°,λ45.31394°. Principal axes: T 3.2193,Plg46.2374°,Azm156.8911°; N 0.1018,Plg41.0558°,Azm312.3213° ; P -3.3211,Plg12.5252°,Azm53.4783° $M_0$3.27142×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IPGP Moment Tensor Solution. NP1:ϕ_s183.00000°,δ28.00000°,λ143.00000°. NP2:ϕ_s307.00000°,δ74.00000°,λ67.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108221522A. Moment Tensor Solution. s139,c256; s153,c318;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.94±.04 $M_{\theta\theta}$0.20±.04; $M_{\phi\phi}$-2.14±.04; $M_{r\theta}$-3.16±.08; $M_{\theta\phi}$2.57±.03; $M_{\phi r}$1.23±.06; Best double couple: NP1:ϕ_s183.00000°,δ35.00000°,λ153.00000°. NP2:ϕ_s296.00000°,δ75.00000°,λ58.00000°. Principal axes: T 4.4080,Plg50.0000°,Azm170.0000°; N 0.5700,Plg31.0000°,Azm305.0000° ; P -4.9830,Plg23.0000°,Azm50.0000° $M_0$4.69600×10^{17}

(153) South Sandwich Islands region

ISC	**VIII**	**22 21 33 19.8–.13**	**60.29S–.03**	**25.04W–.03**	**6**	**6.8s,6.5b**	**2305**	**9-178**
NEIC	VIII	22 21 33 19.0–.80	60.29S–.09	24.9W–.20	6–1	6.9,6.7		**¶621237558**
ISC-P	VIII	22 21 33 18	60.28S	24.87W	6–0	7.2,6.7		
IDC	VIII	22 21 33 19.0–.29	60.22S	25.02W	0	6.7L,6.7s		

MOS VIII 22 21 33 19.3–1.2 60.31S 24.98W 11 6.7s,6.7b
GFZ VIII 22 21 33 20.6–.06 60S–2.0 25W–1.0 10 7.2b,7.2
IPGP VIII 22 21 33 20.0 60.30S 25.00W 14 7.0W,7.2
NEIC VIII 22 21 33 20.3 60.28S 24.89W 14 7.0W,7.2
NEIC VIII 22 21 33 20.4 60.33S 25.00W 10 7.0W,7.2
BJI VIII 22 21 33 20.4 60.55S 24.90W 10 7.1b,7.0s
GFZ VIII 22 21 33 21.0 60.40S 25.03W 20 7.1W,7.0s
GCMT VIII 22 21 33 28.4–.00 60.57S 24.18W 12 7.0W,7.0s
PTWC VIII 22 21 33 31 60.40S 25.00W 111 7.4,7.0s
NEIC VIII 22 21 33 37.6 60.33S 23.79W 14 7.1,7.0s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=13.7km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-1.45 $M_{\theta\theta}$0.80 $M_{\phi\phi}$0.66 $M_{r\theta}$0.37 $M_{\theta\phi}$0.88 $M_{\phi r}$0.05 NP1:ϕ_s235.90000°,δ51.29000°,λ-78.82000°. NP2:ϕ_s38.36000°,δ40.05000° ,λ-103.60000°. Principal axes: T 1.6355,Plg6.0000°,Azm318.0000°; N -0.1192,Plg9.0000° ,Azm49.0000°; P -1.5163,Plg80.0000°,Azm195.0000° $M_0$1.58000×10^{19}
ISC-P Moment Tensor Solution. s27 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.84±.09 $M_{\theta\theta}$0.46±.15; $M_{\phi\phi}$-0.06±.16; $M_{r\theta}$0.17±.11; $M_{\theta\phi}$0.11±.12; $M_{\phi r}$0.00±.27; NP1:ϕ_s261.50000°,δ53.10000° ,λ260.60000°. NP2:ϕ_s96.90000°,δ37.90000°,λ-77.70000°. $M_0$6.84000×10^{19}
IDC Error ellipse: s-maj=15.7km s-min=10.3km az=51.0.
MOS Error ellipse: s-maj=18.8km s-min=10.2km az=95.1.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s43.00000°,δ39.00000°,λ-68.00000°. NP2:ϕ_s195.00000° ,δ55.00000°,λ-107.00000°.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-4.49 $M_{\theta\theta}$1.32 $M_{\phi\phi}$3.17 $M_{r\theta}$0.52 $M_{\theta\phi}$1.74 $M_{\phi r}$2.61 NP1: ϕ_s201.41503°,δ60.62083°,λ-99.00409°. NP2:ϕ_s39.31528°,δ30.60988°,λ-74.46472°. Principal axes: T 4.8996,Plg15.1696°,Azm297.9991°; N 0.3977,Plg7.8383°,Azm205.8601° ; P -5.2973,Plg72.8375°,Azm89.3887° $M_0$5.11010×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202108222133A. Moment Tensor Solution. s161,c399; s168,c867;Duration: 7^{s}5 Moment tensor: Scale 10^{19}Nm; M_{rr}-3.35±.01 $M_{\theta\theta}$0.57±.01; $M_{\phi\phi}$2.77±.01; $M_{r\theta}$-0.13±.03; $M_{\theta\phi}$1.91±.01; $M_{\phi r}$0.31±.03; Best double couple: NP1:ϕ_s35.00000°,δ44.00000°,λ-82.00000°. NP2:ϕ_s205.00000°,δ47.00000°,λ-97.00000°. Principal axes: T 3.8810,Plg2.0000°,Azm300.0000°; N -0.5050,Plg5.0000°,Azm210.0000° ; P -3.3810,Plg84.0000°,Azm47.0000° $M_0$3.63100×10^{19}
PTWC SOUTH SANDWICH ISLANDS REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 16^{s}0 Moment tensor: Scale 10^{19}Nm; M_{rr}-3.48 $M_{\theta\theta}$0.87 $M_{\phi\phi}$2.61 $M_{r\theta}$2.10 $M_{\theta\phi}$1.16 $M_{\phi r}$5.02 NP1:ϕ_s29.06000°,δ15.82000° ,λ-84.45000°. NP2:ϕ_s203.30000°,δ74.25000°,λ-91.57000°. Principal axes: T 6.2355,Plg29.0000°,Azm295.0000°; N 0.2968,Plg2.0000°,Azm204.0000° ; P -6.5323,Plg61.0000°,Azm111.0000° $M_0$6.39000×10^{19}

(87) Haiti region

ISC	**VIII**	**22 23 27 11.9–.84**	**18.50N–.03**	**73.61W–.02**	**16–5**	**4.5b**	**335**	**1-154**
JSN	VIII	22 23 27 11.9–2.5	19.01N	73.58W	0–16	4.3		¶621000829
GFZ	VIII	22 23 27 11.0–.15	19N–2.0	74W–2.0	10	4.5b,4.5		
CATAC	VIII	22 23 27 12.1–.70	19N–3.0	74W–2.0	6–5	5.7b,5.2		
NEIC	VIII	22 23 27 12.2–1.3	18.58N–.05	73.62W–.04	10–1	4.5b,5.2		
SSNC	VIII	22 23 27 12.0–1.4	18.49N	73.61W	5	4.4L,4.0		
OSPL	VIII	22 23 27 14.2–1.6	18.60N	73.59W	9–11	4.3L,4.0		
IDC	VIII	22 23 27 16.1–2.1	18.45N	73.57W	45–21	4.1,3.8b		

ISC Event type se.
JSN Event type se. Error ellipse: s-maj=16.0km s-min=11.8km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. Error ellipse: s-maj=7.1km s-min=3.9km az=11.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$1.29 $M_{\phi\phi}$-0.36 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.21 $M_{\phi r}$1.44 NP1:ϕ_s124.01923° ,δ46.64210°,λ-33.52973°. NP2:ϕ_s238.48155°,δ66.32073°,λ-131.43823°. Principal axes: T 1.3633,Plg11.6236°,Azm357.0214°; N 0.8079,Plg37.3075°,Azm258.0035° ; P -2.1713,Plg50.3047°,Azm101.3692° $M_0$1.90077×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=6.3km s-min=5.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=6.1km s-min=4.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=14.6km s-min=11.9km az=53.0.

(259) Mindanao

ISC	**VIII**	**22 23 58 20.6–1.0**	**5.67N–.03**	**126.88E–.04**	**19–3**	**4.2b**	**86**	**1-122**
MAN	VIII	22 23 58 16.3	5.20N	126.96E	1	5.1b,4.1s		¶621043148
IDC	VIII	22 23 58 17.7–.68	5.98N	127.63E	0	4.3L,4.0b		
NEIC	VIII	22 23 58 19.5–1.6	5.9N–.10	127.4E–.20	10–1	4.4b,4.0b		
DJA	VIII	22 23 58 24.9–.60	6N–5.0	127E–4.0	92–16	5.6b,5.1		

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(273) Southwest of Sumatera

ISC	**VIII**	**23 05 06 26.0–.55**	**6.51S–.07**	**103.71E–.07**	**35**	**4.3b,3.9s**	**89**	**1-150**
DJA	VIII	23 05 06 21.5–.40	7S–3.0	104E–3.0	10	6.6b,6.4		¶621049193
IDC	VIII	23 05 06 21.4–1.2	6.29S	103.78E	0	4.2b,4.2		
NEIC	VIII	23 05 06 27.3–.83	6.23S–.08	103.79E–.09	35–2	4.4b,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(703) Andaman Islands region

ISC	**VIII**	**23 05 16 52.0–.34**	**10.55N–.05**	**92.19E–.05**	**10**	**4.6b,3.9s**	**177**	**3-147**
BJI	VIII	23 05 16 46.1	10.05N	92.14E	10	4.7b,4.5b		¶620999725
NDI	VIII	23 05 16 48.8–1.6	10.22N	92.58E	10	3.9L,4.5b		
IDC	VIII	23 05 16 50.9–.60	10.58N	92.29E	0	4.3b,4.3		
NEIC	VIII	23 05 16 52.6–.96	10.56N–.08	92.20E–.07	10–1	4.7b,4.3		
GFZ	VIII	23 05 16 54.1–.46	11N–3.0	92E–3.0	26–3	4.8,4.5b		
DJA	VIII	23 05 16 57.6–1.9	11N–2.0	92E–4.0	18–17	5.6b,5.1		

ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(292) South of Sumba

ISC	**VIII**	**23 08 40 19.7–.32**	**11.21S–.04**	**119.04E–.03**	**10**	**4.8b,3.7s**	**287**	**2-152**
BJI	VIII	23 08 40 15.3	11.62S	119.53E	10	4.6s,4.6b		¶621000180
IDC	VIII	23 08 40 19.2–.49	11.13S	118.92E	0	5.1L,4.4		
NEIC	VIII	23 08 40 19.6–.74	11.21S–.04	119.03E–.06	10–1	4.9b,4.4		
GFZ	VIII	23 08 40 21.3–.16	11S–2.0	119E–2.0	10	5.2,5.0b		
DJA	VIII	23 08 40 24.2–.80	11S–2.0	119E–1.0	32–13	5.7b,5.5		
GCMT	VIII	23 08 40 25.8–.30	11.27S–.02	118.93E–.03	40–2	5.0W,5.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108230840A. Moment Tensor Solution. s21,c25; s80,c100; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.23 $M_{\theta\theta}$-1.89±.18; $M_{\phi\phi}$2.17±.19; $M_{r\theta}$-0.15±.16; $M_{\theta\phi}$2.69±.10; $M_{\phi r}$-1.03±.16; Best double couple: NP1:ϕ_s252.00000°,δ76.00000° ,λ5.00000°. NP2:ϕ_s161.00000°,δ85.00000°,λ166.00000°. Principal axes: T 3.7530,Plg14.0000°,Azm116.0000°; N -0.4890,Plg75.0000°,Azm322.0000° ; P -3.2670,Plg7.0000°,Azm207.0000° $M_0$3.51000×10^{16}

(87) Haiti region

ISC	**VIII**	**23 09 24 10.6–.80**	**18.35N–.04**	**73.86W–.02**	**20–7**		**100**	**1-23**
SSNC	VIII	23 09 24 09.8–1.0	18.36N	73.85W	5	3.5L,3.4		¶625172589
RSNC	VIII	23 09 24 09.1–.30	18N–3.0	74W–3.0	0	5.5b,5.0		
CATAC	VIII	23 09 24 10.7–.93	18N–2.0	74W–2.0	21–7	5.5b,4.9		
OSPL	VIII	23 09 24 11.6–6.9	18.43N	73.84W	5–34	3.9L,4.9		
JSN	VIII	23 09 24 12.4–2.2	18.48N	73.95W	19–48	4.1,4.9		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.5km s-min=14.0km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=3.5km az=58.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
OSPL Event type se. Error ellipse: s-maj=28.8km s-min=24.7km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=15.6km s-min=11.5km az=-1.0. Presumed earthquake.

(69) Near coast of Chiapas

ISC	**VIII**	**23 13 23 51.6–.56**	**13.75N–.06**	**92.13W–.04**	**36–2**	**4.4b,3.7s**	**147**	**1-146**
SNET	VIII	23 13 23 32.0–1.7	14N–26	94W–13	10	5.7,5.7b		¶625369400
NEIC	VIII	23 13 23 49.6–2.2	13.67N–.07	92.05W–.07	10–1	4.6,4.4b		
MEX	VIII	23 13 23 53.5–.71	13.84N	92.17W	16–32	4.4,4.4b		
IDC	VIII	23 13 23 57.2–2.5	13.87N	91.67W	83–19	4.1,3.8b		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.2km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=6.0km s-min=8.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=29.6km s-min=15.2km az=50.0.

(266) Northern Molucca Sea

ISC	**VIII**	**23 19 52 34.0–.75**	**0.33N–.04**	**126.28E–.03**	**10**	**4.1b**	**34**	**1-64**
IDC	VIII	23 19 52 30.8–1.6	0.28N	126.08E	0	3.9b,3.9		¶621049260
DJA	VIII	23 19 52 34.9–.20	0N–3.0	126E–2.0	10	5.9b,5.7b		

ISC Event type se.

(221) Kuril Islands

ISC	**VIII**	**24 05 37 52.0–.20**	**48.75N–.03**	**154.98E–.02**	**43–1**	**5.7b,5.7s**	**3254**	**2-159**
BJI	VIII	24 05 37 46.6	48.93N	155.33E	33	5.9s,5.9b		¶621001087
KRSC	VIII	24 05 37 49.9–1.8	48.61N	155.31E	77–31	6.2L,5.7		
PTWC	VIII	24 05 37 50	48.40N	155.40E		6.2,5.7		
NEIC	VIII	24 05 37 51.2	48.82N	154.96E	31	6.2,5.7		
NEIC	VIII	24 05 37 51.9–.89	48.87N–.08	154.9E–.10	35–1	6.1,5.7b		
ISC-P	VIII	24 05 37 51	48.87N	154.91E	24–0	6.4,5.7b		
NEIC	VIII	24 05 37 52	48.81N	154.94E	38	6.4,5.7b		
IPGP	VIII	24 05 37 52.0	48.82N	154.96E	32	6.1W,5.7b		
MOS	VIII	24 05 37 52.9–.93	48.84N	154.96E	68	5.8s,5.8b		
GFZ	VIII	24 05 37 52.5–.17	49N–1.0	155E–2.0	45–1	6.2b,5.9		
GFZ	VIII	24 05 37 52.5	48.75N	154.94E	40	6.0W,5.9		
SKHL	VIII	24 05 37 52.0–.80	48.60N	155.50E	73–6	6.4b,6.0s		
GCMT	VIII	24 05 37 55.0–.10	48.64N	155.27E	43–0	6.0W,6.0s		
IDC	VIII	24 05 37 55.4–1.8	48.85N	154.88E	70–15	5.6s,5.2		
NEIC	VIII	24 05 37 58.4	48.52N	155.56E	46	6.0,5.2		
BGR	VIII	24 05 38 04.8	49.98N	153.85E	57–0	6.3,5.9b		

ISC Event type ke.
KRSC Event type se. Felt [II-III] at Severo-Kurilsk; Felt at Petropavlovsk.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.9km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.73 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-1.04 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.47 NP1:ϕ_s37.55000°,δ56.32000°,λ92.49000°. NP2:ϕ_s213.06000°,δ33.76000° ,λ86.27000°. Principal axes: T 1.8623,Plg79.0000°,Azm316.0000°; N -0.3759,Plg2.0000° ,Azm216.0000°; P -1.4864,Plg11.0000°,Azm126.0000° $M_0$1.71000×10^{18}
ISC-P Moment Tensor Solution. s51 Moment tensor: Scale 10^{18}Nm; M_{rr}0.51±.17 $M_{\theta\theta}$-0.46±.21; $M_{\phi\phi}$-0.05±.20; $M_{r\theta}$0.25±.15; $M_{\theta\phi}$0.36±.17; $M_{\phi r}$-0.26±.23; NP1:ϕ_s263.20000°,δ30.40000° ,λ123.60000°. NP2:ϕ_s45.60000°,δ65.10000°,λ72.00000°. $M_0$4.47000×10^{18}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s227.00000°,δ34.00000°,λ92.00000°. NP2:ϕ_s45.00000° ,δ56.00000°,λ89.00000°.
MOS Error ellipse: s-maj=5.1km s-min=2.7km az=78.2.
GFZ Error ellipse: s-maj=3.7km s-min=2.2km az=116.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-0.73 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.52 NP1: ϕ_s211.59303°,δ29.38365°,λ89.34918°. NP2:ϕ_s32.33993°,δ60.61843°,λ90.36646°. Principal axes: T 1.1634,Plg74.3789°,Azm303.3023°; N 0.0365,Plg0.3193°,Azm212.1601° ; P -1.1999,Plg15.6177°,Azm122.0709° $M_0$1.18206×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108240537A. Moment Tensor Solution. s161,c385; s168,c606;Duration: 2^{s}5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.28±.01 $M_{\theta\theta}$-0.30±.01; $M_{\phi\phi}$-0.98±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$-0.62±.01; $M_{\phi r}$0.41±.01; Best double couple: NP1:ϕ_s210.00000°,δ35.00000°,λ89.00000°. NP2:ϕ_s31.00000°,δ55.00000°,λ90.00000°. Principal axes: T 1.3670,Plg80.0000°,Azm302.0000°; N 0.0730,Plg0.0000°,Azm211.0000° ; P -1.4380,Plg10.0000°,Azm121.0000° $M_0$1.40300×10^{18}
IDC Error ellipse: s-maj=11.1km s-min=8.1km az=138.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-0.83 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.41 $M_{\phi r}$0.27 NP1:ϕ_s206.22000°,δ36.82000° ,λ89.88000°. NP2:ϕ_s26.37000°,δ53.18000°,λ90.09000°. Principal axes: T 1.0894,Plg82.0000°,Azm297.0000°; N -0.0090,Plg0.0000°,Azm206.0000° ; P -1.0805,Plg8.0000°,Azm116.0000° $M_0$1.09000×10^{18}
BGR Event type ke.

(210) South of Mariana Islands

ISC	**VIII**	**24 14 47 25.3–.50**	**12.76N–.03**	**145.15E–.04**	**15–2**	**5.2b,5.1s**	**630**	**14-155**
BJI	VIII	24 14 47 22.5	12.68N	145.28E	18	5.4b,5.3s		¶621002167
IDC	VIII	24 14 47 22.8–.45	12.76N	145.13E	0	5.0s,4.6b		
MOS	VIII	24 14 47 23.7–.87	12.76N	145.08E	16	5.2b,5.0s		
GFZ	VIII	24 14 47 24.5	12.80N	145.06E	16	5.5W,5.0s		
GFZ	VIII	24 14 47 25.0–.19	13N–3.0	145E–3.0	10	5.2,5.1b		
NEIC	VIII	24 14 47 25.2–1.1	12.74N–.08	145.1E–.10	10–1	5.3b,5.1b		
NEIC	VIII	24 14 47 25.6	12.84N	145.41E	20	5.4,5.1b		
NEIC	VIII	24 14 47 25.1	12.74N	145.10E	10	5.4,5.1b		
IPGP	VIII	24 14 47 25.0	12.73N	145.10E	9	5.6W,5.1b		
DJA	VIII	24 14 47 30.5–.60	12N–3.0	145E–4.0	49–8	5.7b,5.5		
GCMT	VIII	24 14 47 30.2–.10	12.58N–.01	145.19E–.01	13–0	5.4W,5.5		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.02 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.65 $M_{\phi r}$1.86 NP1: ϕ_s231.76648°,δ17.44326°,λ123.66867°. NP2:ϕ_s16.84234°,δ75.55335°,λ80.11852°. Principal axes: T 2.1883,Plg58.3204°,Azm273.4827°; N 0.0907,Plg9.5660°,Azm19.3307° ; P -2.2790,Plg29.8798°,Azm114.8873° $M_0$2.23505×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.25 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-1.20 $M_{r\theta}$-0.43 $M_{\theta\phi}$-1.09 $M_{\phi r}$0.51 NP1:ϕ_s238.96000°,δ49.11000° ,λ133.06000°. NP2:ϕ_s3.98000°,δ56.48000°,λ51.75000°. Principal axes: T 1.6482,Plg59.0000°,Azm217.0000°; N 0.2288,Plg31.0000°,Azm28.0000° ; P -1.8770,Plg4.0000°,Azm120.0000° $M_0$1.77000×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s213.00000°,δ15.00000°,λ98.00000°. NP2:ϕ_s25.00000° ,δ75.00000°,λ88.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108241447A. Moment Tensor Solution. s125,c243; s147,c306;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-0.21±.01; $M_{\phi\phi}$-0.92±.01; $M_{r\theta}$0.08±.03; $M_{\theta\phi}$-0.70±.01; $M_{\phi r}$0.74±.04; Best double couple: NP1: ϕ_s227.00000°,δ33.00000°,λ116.00000°. NP2:ϕ_s17.00000°,δ61.00000°,λ74.00000°. Principal axes: T 1.3930,Plg70.0000°,Azm254.0000°; N 0.1370,Plg14.0000°,Azm25.0000° ; P -1.5300,Plg15.0000°,Azm119.0000° $M_0$1.46200×10^{17}

(282) South of Jawa

ISC	**VIII**	**25 04 29 50.1–1.8**	**10.62S–.05**	**113.61E–.04**	**28–13**	**4.3b,3.6s**	**109**	**2-93**
IDC	VIII	25 04 29 46.9–.65	10.37S	113.63E	0	4.1b,4.1		¶621058898
NEIC	VIII	25 04 29 48.1–2.0	10.56S–.05	113.62E–.07	10–1	4.7b,4.1		
DJA	VIII	25 04 29 51.3–1.0	11S–6.0	114E–2.0	17–12	6.0b,5.6		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(178) Kermadec Islands

ISC	**VIII**	**25 05 58 04.6–.22**	**29.72S–.03**	**177.65W–.04**	**36–1**	**5.6b,4.9s**	**1115**	**1-173**
IDC	VIII	25 05 57 59.5–.34	29.54S	177.73W	0	5.3b,5.3		**¶621003217**
MOS	VIII	25 05 58 00.0–.97	29.48S	177.77W	10	5.7b,5.0s		
BJI	VIII	25 05 58 01.5	29.63S	177.22W	33	5.9b,5.8b		
BGR	VIII	25 05 58 02.9	29.69S	179.79W	33	5.0s,5.8b		
IPGP	VIII	25 05 58 03.0	29.72S	177.57W	43	5.5W,5.8b		
NOU	VIII	25 05 58 04.9	29.84S	177.69W	36	5.5b,5.8b		
NEIC	VIII	25 05 58 05.0–2.5	29.67S–.07	177.6W–.10	34–1	5.7b,5.8b		
NEIC	VIII	25 05 58 06.7	29.60S	177.05W	60	5.4,5.8b		
NEIC	VIII	25 05 58 06.2	29.70S	177.63W	44	5.4,5.8b		
GFZ	VIII	25 05 58 07.9–.25	30S–2.0	178W–3.0	59–2	5.5b,5.5		
GFZ	VIII	25 05 58 08.3	29.64S	177.90W	55	5.4W,5.5		
GCMT	VIII	25 05 58 09.5–.10	29.57S–.01	177.51W–.01	55–0	5.5W,5.5		

ISC Event type ke.
BGR Event type ke.
IPGP Moment Tensor Solution. NP1:ϕ_s212.00000°,δ34.00000°,λ90.00000°. NP2:ϕ_s31.00000° ,δ56.00000°,λ90.00000°.
NOU Kermadec Islands, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.87 $M_{\theta\phi}$-0.32 $M_{\phi\phi}$-1.55 $M_{r\theta}$0.18 $M_{\theta\theta}$-0.24 $M_{\phi r}$0.57 NP1:ϕ_s188.97000°,δ35.59000° ,λ87.13000°. NP2:ϕ_s12.49000°,δ54.46000°,λ92.05000°. Principal axes: T 1.9703,Plg80.0000°,Azm291.0000°; N -0.2728,Plg2.0000°,Azm191.0000° ; P -1.6975,Plg9.0000°,Azm101.0000° $M_0$1.85000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.56 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.58 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.80 NP1: ϕ_s181.88290°,δ31.44458°,λ78.73883°. NP2:ϕ_s15.01997°,δ59.22754°,λ96.80939°. Principal axes: T 1.7851,Plg74.8055°,Azm303.6756°; N 0.0443,Plg5.8470°,Azm191.5239° ; P -1.8294,Plg13.9744°,Azm100.0636° $M_0$1.80763×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108250558A. Moment Tensor Solution. s141,c274; s150,c283;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.02 $M_{\theta\phi}$-0.07±.02; $M_{\phi\phi}$-1.77±.02; $M_{r\theta}$0.34±.01; $M_{\theta\phi}$-0.32±.02; $M_{\phi r}$0.85±.02; Best double couple: NP1: ϕ_s185.00000°,δ32.00000°,λ82.00000°. NP2:ϕ_s15.00000°,δ58.00000°,λ95.00000°. Principal axes: T 2.0650,Plg76.0000°,Azm301.0000°; N -0.0280,Plg4.0000°,Azm192.0000° ; P -2.0380,Plg13.0000°,Azm101.0000° $M_0$2.05100×10^{17}

(211) Southeast of Honshu

ISC	**VIII**	**25 10 18 17.7–.26**	**29.70N–.03**	**141.44E–.03**	**48–1**	**5.5b,4.5s**	**1336**	**3-164**
BJI	VIII	25 10 18 11.0	29.56N	141.86E	39	5.0b,5.0b		**¶621007046**
MOS	VIII	25 10 18 14.8–.91	29.62N	141.36E	39	5.8b,4.8s		
NIED	VIII	25 10 18 15.2	29.73N	141.63E	52	5.1W,4.8s		
JMA	VIII	25 10 18 15.2–.07	29.7N–.50	142E–2.0	52	5.4,5.2W		
IDC	VIII	25 10 18 16.6–.90	29.55N	141.32E	38–6	5.2,5.0b		
NEIC	VIII	25 10 18 17.3	29.68N	141.45E	44	5.2,5.0b		
NEIC	VIII	25 10 18 17.2–1.5	29.67N–.06	141.43E–.08	40–5	5.5b,5.0b		
GCMT	VIII	25 10 18 19.4–.20	29.57N–.01	141.55E–.01	53–1	5.1W,5.0b		
GFZ	VIII	25 10 18 19.4–.10	30N–2.0	141E–2.0	57	5.4b,5.1		
BGR	VIII	25 10 18 21.4	30.49N	141.14E	41–3	5.3b,4.7s		
NEIC	VIII	25 10 18 21.8	29.48N	141.57E	46	5.1,4.7s		

ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=4.0km az=110.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.75 $M_{\theta\theta}$4.63 $M_{\phi\phi}$1.12 $M_{r\theta}$0.19 $M_{\theta\phi}$-2.58 $M_{\phi r}$0.34 NP1:ϕ_s122.00000°,δ45.00000°,λ-84.00000°. NP2:ϕ_s294.00000° ,δ45.00000°,λ-96.00000°. $M_0$5.88000×10^{16}
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=8.7km s-min=6.5km az=76.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.4km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108251018A. Moment Tensor Solution. s86,c121; s126,c197;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.17±.14 $M_{\theta\theta}$4.77±.10; $M_{\phi\phi}$-0.59±.12; $M_{r\theta}$-1.19±.09; $M_{\theta\phi}$-2.50±.08; $M_{\phi r}$3.22±.08; Best double couple: NP1: ϕ_s264.00000°,δ40.00000°,λ-136.00000°. NP2:ϕ_s138.00000°,δ64.00000°,λ-59.00000°. Principal axes: T 6.2970,Plg13.0000°,Azm206.0000°; N -0.2220,Plg27.0000°,Azm303.0000° ; P -6.0720,Plg59.0000°,Azm93.0000° $M_0$6.18400×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.54 $M_{\theta\theta}$4.11 $M_{\phi\phi}$0.43 $M_{r\theta}$-0.69 $M_{\theta\phi}$-2.89 $M_{\phi r}$3.37 NP1:ϕ_s274.14000°,δ38.99000° ,λ-132.35000°. NP2:ϕ_s143.68000°,δ62.29000°,λ-61.40000°. Principal axes: T 6.2055,Plg13.0000°,Azm213.0000°; N 0.0914,Plg25.0000°,Azm309.0000° ; P -6.2969,Plg61.0000°,Azm99.0000° $M_0$6.25000×10^{16}

(259) Mindanao

ISC	**VIII**	**25 12 03 11.5–1.2**	**7.19N–.02**	**122.87E–.03**	**4–7**	**4.8b,3.9s**	**402**	**1-145**
IDC	VIII	25 12 03 10.1–.44	7.10N	122.91E	0	4.5L,4.5b		**¶621007296**
MAN	VIII	25 12 03 12.3	7.22N	122.84E	18	5.7b,5.0s		
NEIC	VIII	25 12 03 12.7–1.8	7.12N–.07	122.90E–.06	10–1	4.8b,5.0s		
GFZ	VIII	25 12 03 14.6–.19	7N–2.0	123E–3.0	10	4.9b,4.8		
GCMT	VIII	25 12 03 15.1–.20	7.22N–.01	122.84E–.01	21–1	4.9W,4.8		
BJI	VIII	25 12 03 15.1	7.25N	123.16E	27	5.0b,4.7b		
DJA	VIII	25 12 03 19.0–.50	7N–4.0	123E–3.0	59–6	5.7b,5.3		

ISC Event type se.
MAN Event type fe. INTENSITY V - MABUHAY AND OLUTANGA ZAMBOANGA SIBUGAY ; . INTENSITY IV - MARGOSATUBIG ZAMBOANGA DEL SUR; CITY OF ZAMBOANGA; DIPLAHAN AND IPIL ZAMBOANGA SIBUGAY; CITY OF ISABELA BASILAN; . INTENSITY III - BACUNGAN GUTALAC LILOY SALUG SIAYAN SINDANGAN SIOCON AND TAMPILISAN ZAMBOANGA DEL NORTE; CITY OF PAGADIAN ; ZAMBOANGA DEL SUR; ALICIA ZAMBOANGA SIBUGAY ; . INTENSITY II - CITY OF DIPOLOG MANUKAN AND POLANCO ZAMBOANGA DEL NORTE; MOLAVE RAMON MAGSAYSAY AND VINCENZO A. SAGUN ; ZAMBOANGA DEL SUR; TITAY ZAMBOANGA SIBUGAY ; . INTENSITY I - CITY OF DAPITAN ZAMBOANGA DEL NORTE; TAMBULIG ZAMBOANGA DEL SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108251203A. Moment Tensor Solution. s36,c43; s105,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.15±.09 $M_{\theta\theta}$-0.78±.07; $M_{\phi\phi}$0.63±.09; $M_{r\theta}$0.73±.14; $M_{\theta\phi}$2.33±.06; $M_{\phi r}$-1.99±.21; Best double couple: NP1:ϕ_s260.00000°,δ49.00000° ,λ-1.00000°. NP2:ϕ_s350.00000°,δ90.00000°,λ-139.00000°. Principal axes: T 2.9640,Plg27.0000°,Azm117.0000°; N 0.4820,Plg49.0000°,Azm350.0000° ; P -3.4450,Plg28.0000°,Azm223.0000° $M_0$3.20500×10^{16}

(72) Honduras

ISC	**VIII**	**25 21 04 19.2–.36**	**15.46N–.02**	**88.35W–.02**	**10–2**	**5.2b,4.5s**	**1149**	**1-162**
IDC	VIII	25 21 04 18.0–.46	15.44N	88.27W	0	4.9b,4.9		**¶625369539**
CATAC	VIII	25 21 04 19.4–.60	16N–3.0	88W–2.0	8–5	6.0b,5.7b		
NEIC	VIII	25 21 04 19.6–1.5	15.48N–.04	88.34W–.05	8–3	5.3b,5.7b		
MOS	VIII	25 21 04 19.8–1.0	15.51N	88.38W	21	5.5b,4.6s		
BJI	VIII	25 21 04 20.2	15.50N	88.30W	12	5.3b,5.2s		
GFZ	VIII	25 21 04 20.7	15.52N	88.22W	15	5.2W,5.2s		
SNET	VIII	25 21 04 21.0	16N–2.0	88W–2.0	8–5	5.8,5.5		
GFZ	VIII	25 21 04 20.7–.21	16N–2.0	88W–3.0	10–1	5.2b,5.1		
NEIC	VIII	25 21 04 20.2	15.47N	88.35W	10	5.2b,5.1		
GCG	VIII	25 21 04 21.1–1.4	15.47N	88.39W	16–6	5.7L,5.7		
GCMT	VIII	25 21 04 22.4–.10	15.54N–.01	88.39W–.01	18–0	5.2W,5.7		
NEIC	VIII	25 21 04 26.3	15.47N	88.35W	12	5.2,5.7		
BGR	VIII	25 21 04 27.7	16.09N	86.77W	13–0	5.7,5.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=10.4km az=57.0.
CATAC Event type se. Error ellipse: s-maj=5.6km s-min=2.9km az=21.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$0.63 $M_{r\theta}$-0.29 $M_{\theta\phi}$0.72 $M_{\phi r}$0.22 NP1:ϕ_s161.84929° ,δ79.06204°,λ-161.92144°. NP2:ϕ_s68.30492°,δ72.26090°,λ-11.49123°. Principal axes: T 0.9769,Plg4.6617°,Azm294.2591°; N 0.0529,Plg68.9651°,Azm192.0172° ; P -1.0299,Plg20.4637°,Azm26.0028° $M_0$1.00443×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.31 $M_{\theta\theta}$0.51 $M_{\phi\phi}$6.81 $M_{r\theta}$-2.08 $M_{\theta\phi}$0.70 $M_{\phi r}$2.84 NP1: ϕ_s170.63530°,δ57.06525°,λ-106.77127°. NP2:ϕ_s19.63546°,δ36.52565°,λ-65.98988°. Principal axes: T 7.3693,Plg10.5901°,Azm272.6154°; N 1.0284,Plg14.0152°,Azm179.9405° ; P -8.3977,Plg72.3010°,Azm38.4805° $M_0$7.93368×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.78 $M_{\theta\theta}$0.46 $M_{\phi\phi}$6.31 $M_{r\theta}$0.70 $M_{\theta\phi}$0.48 $M_{\phi r}$3.76 NP1: ϕ_s187.47559°,δ60.11167°,λ-87.37128°. NP2:ϕ_s2.21149°,δ29.99307°,λ-94.56237°. Principal axes: T 7.3791,Plg15.0734°,Azm275.5509°; N 0.4398,Plg2.2789°,Azm6.1650° ; P -7.8189,Plg74.7472°,Azm104.5566° $M_0$7.60854×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.94 $M_{\theta\theta}$-2.41 $M_{\phi\phi}$8.36 $M_{r\theta}$1.59 $M_{\theta\phi}$1.42 $M_{\phi r}$2.79 NP1: ϕ_s201.42637°,δ57.95543°,λ-72.02465°. NP2:ϕ_s349.98096°,δ36.26769°,λ-116.24430°. Principal axes: T 9.1308,Plg11.2411°,Azm278.5712°; N -2.2635,Plg15.1642°,Azm11.6590° ; P -6.8673,Plg70.9597°,Azm153.4088° $M_0$8.23574×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.17 $M_{\theta\theta}$0.25 $M_{\phi\phi}$7.92 $M_{r\theta}$-0.67 $M_{\theta\phi}$0.88 $M_{\phi r}$1.85 NP1: ϕ_s180.69432°,δ51.41551°,λ-97.22497°. NP2:ϕ_s12.18421°,δ39.15118°,λ-81.04210°. Principal axes: T 8.2062,Plg6.1625°,Azm275.8261°; N 0.2381,Plg5.6418°,Azm185.2149° ; P -8.4443,Plg81.6301°,Azm53.0372° $M_0$8.32781×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.97 $M_{\theta\theta}$-2.38 $M_{\phi\phi}$8.35 $M_{r\theta}$1.63 $M_{\theta\phi}$1.46 $M_{\phi r}$2.79 NP1: ϕ_s201.73878°,δ57.99624°,λ-71.92565°. NP2:ϕ_s350.11430°,δ36.27681°,λ-116.40131°. Principal axes: T 9.1420,Plg11.2621°,Azm278.8130°; N -2.2352,Plg15.2539°,Azm11.9260° ; P -6.9068,Plg70.8732°,Azm153.7701° $M_0$8.25462×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.86 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$8.05 $M_{r\theta}$-0.15 $M_{\theta\phi}$1.06 $M_{\phi r}$1.77 NP1: ϕ_s184.48061°,δ51.16854°,λ-93.44889°. NP2:ϕ_s9.97073°,δ38.96020°,λ-85.72580°. Principal axes: T 8.3683,Plg6.1110°,Azm276.9325°; N -0.3022,Plg2.6860°,Azm186.6448° ; P -8.0661,Plg83.3206°,Azm73.0288° $M_0$8.22140×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.8km s-min=4.7km az=92.8.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.34 $M_{\theta\theta}$0.41 $M_{\phi\phi}$6.92 $M_{r\theta}$0.49 $M_{\theta\phi}$0.94 $M_{\phi r}$-0.02 NP1: ϕ_s191.68671°,δ45.31557°,λ-84.87147°. NP2:ϕ_s4.41337°,δ44.91587°,λ-95.16439°. Principal axes: T 7.0555,Plg0.2003°,Azm278.0627°; N 0.3117,Plg3.6439°,Azm8.0754° ; P -7.3672,Plg86.3506°,Azm184.9214° $M_0$7.21640×10^{16}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GFZ Error ellipse: s-maj=6.1km s-min=3.1km az=72.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCG Event type se. Error ellipse: s-maj=4.2km s-min=11.2km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s20.53000°,δ21.09000°,λ-44.01000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108252104A. Moment Tensor Solution. s105,c155; s133,c222;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.91±.02 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$0.89±.01; $M_{r\theta}$0.05±.03; $M_{\theta\phi}$0.16±.01; $M_{\phi r}$0.17±.03; Best double couple: NP1:ϕ_s9.00000° ,δ40.00000°,λ-92.00000°. NP2:ϕ_s191.00000°,δ50.00000°,λ-88.00000°. Principal axes: T 0.9420,Plg5.0000°,Azm280.0000°; N -0.0190,Plg1.0000°,Azm10.0000° ; P -0.9220,Plg84.0000°,Azm114.0000° $M_0$0.93200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.77 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$6.29 $M_{r\theta}$-2.60 $M_{\theta\phi}$0.93 $M_{\phi r}$2.64 NP1:ϕ_s28.57000°,δ38.87000° ,λ-53.52000°. NP2:ϕ_s165.04000°,δ59.69000°,λ-115.61000°. Principal axes: T 6.8611,Plg11.0000°,Azm273.0000°; N 0.5485,Plg22.0000°,Azm179.0000° ; P -7.4096,Plg65.0000°,Azm28.0000° $M_0$7.15000×10^{16}
BGR Event type ke.

(153) South Sandwich Islands region

ISC	**VIII**	**25 21 26 38.4–.21**	**57.17S–.05**	**25.39W–.05**	**35**	**5.3b,5.1s**	**538**	**7-176**
MOS	VIII	25 21 26 33.6–.91	57.13S	25.44W	10	5.4b,5.1s		**¶621007382**
NEIC	VIII	25 21 26 34.7–1.3	57.14S–.08	25.4W–.20	10–3	5.5b,5.3		
BJI	VIII	25 21 26 34.6	57.20S	25.40W	10	5.5b,5.4s		
GFZ	VIII	25 21 26 35.9–.16	57S–3.0	25W–3.0	10	5.5,5.3b		
IDC	VIII	25 21 26 36.0–3.5	57.03S	25.29W	18–21	5.1s,5.0L		
PTWC	VIII	25 21 26 38	57.10S	25.30W	33	5.7,5.0L		
GCMT	VIII	25 21 26 40.4–.10	57.17S–.01	25.01W–.01	22–0	5.5W,5.0L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108252126A. Moment Tensor Solution. s136,c254; s155,c287;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.67±.02 $M_{\theta\theta}$-1.03±.02; $M_{\phi\phi}$-0.64±.02; $M_{r\theta}$-0.82±.03; $M_{\theta\phi}$0.76±.01; $M_{\phi r}$1.05±.03; Best double couple: NP1: ϕ_s120.00000°,δ26.00000°,λ75.00000°. NP2:ϕ_s316.00000°,δ65.00000°,λ97.00000°. Principal axes: T 2.1600,Plg70.0000°,Azm241.0000°; N -0.0890,Plg6.0000°,Azm133.0000° ; P -2.0750,Plg19.0000°,Azm41.0000° $M_0$2.11700×10^{17}

(325) Qinghai

ISC	**VIII**	**25 23 38 20.8–.35**	**38.88N–.02**	**95.53E–.02**	**7–2**	**5.6b,4.8s**	**1726**	**3-169**
BGR	VIII	25 23 38 17.7	38.20N	95.96E	14	5.6b,5.2s		**¶621007386**
BJI	VIII	25 23 38 19.7	38.89N	95.54E	15	5.7s,5.7b		
MOS	VIII	25 23 38 19.3–.85	38.84N	95.56E	10	5.8b,5.2s		
IDC	VIII	25 23 38 19.8–.30	38.86N	95.57E	0	5.4b,5.4		
NEIC	VIII	25 23 38 21.5–1.4	38.91N–.05	95.53E–.08	10–1	5.6b,5.4		
GFZ	VIII	25 23 38 22.0–.18	39N–3.0	95E–2.0	10	5.6b,5.3		
NEIC	VIII	25 23 38 21.5	38.91N	95.53E	10	5.6b,5.3		
GCMT	VIII	25 23 38 22.7–.10	38.91N–.01	95.54E–.01	17–0	5.4W,5.3		
NEIC	VIII	25 23 38 28.6	38.91N	95.53E	12	5.3,5.3		

ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=134.5.
IDC Error ellipse: s-maj=8.0km s-min=6.8km az=34.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.2km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108252338A. Moment Tensor Solution. s127,c229; s153,c335;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.52±.02 $M_{\theta\theta}$-0.53±.01; $M_{\phi\phi}$-0.98±.01; $M_{r\theta}$0.00±.03; $M_{\theta\phi}$0.85±.01; $M_{\phi r}$-0.54±.03; Best double couple: NP1: ϕ_s310.00000°,δ39.00000°,λ71.00000°. NP2:ϕ_s154.00000°,δ54.00000°,λ105.00000°. Principal axes: T 1.6480,Plg76.0000°,Azm111.0000°; N 0.0490,Plg12.0000°,Azm326.0000° ; P -1.6970,Plg8.0000°,Azm234.0000° $M_0$1.67300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.17 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$-0.66 $M_{r\theta}$0.20 $M_{\theta\phi}$0.48 $M_{\phi r}$0.22 NP1:ϕ_s127.12000°,δ45.36000° ,λ72.36000°. NP2:ϕ_s331.47000°,δ47.30000°,λ107.06000°. Principal axes: T 1.2364,Plg78.0000°,Azm315.0000°; N -0.1695,Plg12.0000°,Azm140.0000° ; P -1.0670,Plg1.0000°,Azm49.0000° $M_0$1.16000×10^{17}

(101) Venezuela

ISC	**VIII**	**26 01 40 50.0–.42**	**9.58N–.03**	**69.26W–.03**	**13–2**	**5.2b,3.9s**	**965**	**0-155**
TRN	VIII	26 01 40 41.9	9.67N	69.46W	3	0.0,3.9s		**¶621007934**
MOS	VIII	26 01 40 48.8–.80	9.56N	69.38W	10	5.3b,3.9s		
IDC	VIII	26 01 40 48.2–.35	9.61N	69.24W	0	4.8b,4.8		
CATAC	VIII	26 01 40 49.8–.71	10N–4.0	69W–8.0	10	5.9,5.7b		
NEIC	VIII	26 01 40 50.6–1.5	9.59N–.06	69.24W–.06	10–1	5.2b,4.8		
GFZ	VIII	26 01 40 51.8–.19	10N–2.0	69W–3.0	10	5.2b,5.0		
GCMT	VIII	26 01 40 52.8–.40	9.55N–.03	69.30W–.02	19–1	4.8W,5.0		
FUNV	VIII	26 01 40 52.0	9.63N	69.32W	4	4.7W,5.0		
BGR	VIII	26 01 40 54.5	9.72N	68.67W	17–0	5.1b,5.1s		
VAO	VIII	26 01 40 58.4–1.3	9.02N	69.10W	35–9	5.1b,5.1s		

ISC Event type ke.
TRN Venezuela.
MOS Error ellipse: s-maj=8.0km s-min=5.3km az=68.1.

IDC Error ellipse: s-maj=11.5km s-min=9.1km az=125.0.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.9km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108260140A. Moment Tensor Solution. s22,c28; s63,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.81±.14 $M_{\theta\theta}$-0.17±.09; $M_{\phi\phi}$-1.64±.09; $M_{r\theta}$0.55±.22; $M_{\theta\phi}$-0.91±.06; $M_{\phi r}$0.12±.18; Best double couple: NP1:ϕ_s191.00000°,δ42.00000°,λ68.00000°. NP2:ϕ_s40.00000°,δ52.00000°,λ109.00000°. Principal axes: T 1.9560,Plg75.0000°,Azm8.0000°; N 0.1500,Plg15.0000°,Azm208.0000°; P -2.1050,Plg5.0000°,Azm116.0000° M_o2.03000×10^{16}
FUNV Event type se. Presumed earthquake.
BGR Event type ke.
VAO Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=-1.0. Presumed earthquake.

(268) Sulawesi

ISC	VIII	26 02 14 22.8–.33	0.80S–.02	121.57E–.03	20–1	5.3s,5.3b	1025	0-177
BJI	VIII	26 02 14 18.5	1.01S	121.80E	13	5.5b,5.4s		¶621007937
IDC	VIII	26 02 14 19.1–.34	0.79S	121.59E	0	5.0s,4.9b		
MOS	VIII	26 02 14 19.5–1.0	0.73S	121.63E	9	5.4b,5.1s		
DJA	VIII	26 02 14 21.7–.10	1S–1.0	122E–1.0	10	6.0b,5.9		
PTWC	VIII	26 02 14 21	0.80S	121.50E	10	6.1,5.9		
ISC-P	VIII	26 02 14 22	0.84S	121.53E	22–1	6.0,5.9		
NEIC	VIII	26 02 14 22.5	0.85S	121.54E	10	6.0,5.9		
GFZ	VIII	26 02 14 22.5	0.83S	121.61E	11	5.7W,5.9		
GFZ	VIII	26 02 14 22.5–.11	1S–2.0	122E–2.0	10	5.4,5.4b		
NEIC	VIII	26 02 14 22.1–1.7	0.84S–.03	121.53E–.04	8–1	5.7,5.7		
GCMT	VIII	26 02 14 24.3–.10	0.73S	121.52E	12	5.8W,5.7		

ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=8.4km az=80.0.
MOS Error ellipse: s-maj=8.1km s-min=4.6km az=111.2.
ISC-P Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}0.45±.10 $M_{\theta\theta}$0.77±.20; $M_{\phi\phi}$-0.21±.14; $M_{r\theta}$-0.22±.20; $M_{\theta\phi}$-0.14±.14; $M_{\phi r}$-0.11±.11; NP1:ϕ_s323.00000°,δ61.30000°,λ9.60000°. NP2:ϕ_s228.30000°,δ81.60000°,λ151.00000°. M_o1.20000×10^{18}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.73 $M_{\theta\theta}$4.64 $M_{\phi\phi}$-2.91 $M_{r\theta}$1.40 $M_{\theta\phi}$-0.52 $M_{\phi r}$0.45 NP1:ϕ_s138.58508°,δ64.70016°,λ-9.10902°. NP2:ϕ_s232.50487°,δ81.77107°,λ-154.41808°. Principal axes: T 4.9524,Plg11.5942°,Azm3.1274°; N -1.7652,Plg63.2123°,Azm249.1502°; P -3.1872,Plg23.7905°,Azm98.3168° M_o4.34744×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.2km az=251.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$3.47 $M_{\phi\phi}$-3.98 $M_{r\theta}$1.48 $M_{\theta\phi}$0.50 $M_{\phi r}$-0.18 NP1:ϕ_s133.31000°,δ77.21000°,λ18.76000°. NP2:ϕ_s39.01000°,δ71.72000°,λ166.51000°. Principal axes: T 4.0990,Plg22.0000°,Azm357.0000°; N -0.0657,Plg67.0000°,Azm166.0000°; P -4.0334,Plg4.0000°,Azm265.0000° M_o4.07000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108260214A. Moment Tensor Solution. s142,c286; s165,c376;Duration: 1ŝ8 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.10±.04 $M_{\theta\theta}$6.12±.03; $M_{\phi\phi}$-4.02±.04; $M_{r\theta}$2.34±.10; $M_{\theta\phi}$-0.33±.04; $M_{\phi r}$0.08±.11; Best double couple: NP1:ϕ_s138.00000°,δ75.00000°,λ6.00000°. NP2:ϕ_s47.00000°,δ84.00000°,λ165.00000°. Principal axes: T 6.7480,Plg15.0000°,Azm2.0000°; N -2.7010,Plg74.0000°,Azm205.0000°; P -4.0460,Plg6.0000°,Azm93.0000° M_o5.39700×10^{17}

(153) South Sandwich Islands region

ISC	VIII	26 03 20 25.0–.25	58.75S–.04	25.46W–.04	33–1	5.6b,5.6s	976	8-176
BJI	VIII	26 03 20 19.1	58.80S	25.50W	10	5.9s,5.8		¶621237571
IPGP	VIII	26 03 20 22.0	58.85S	25.46W	32	5.9W,5.8		
IDC	VIII	26 03 20 22.7–1.7	58.74S	25.41W	17–9	5.9L,5.5s		
MOS	VIII	26 03 20 23.0–.88	58.82S	25.55W	27	5.9b,5.4s		
NEIC	VIII	26 03 20 24.7	58.80S	25.44W	30	5.9b,5.4s		
NEIC	VIII	26 03 20 24.7–1.6	58.80S–.07	25.4W–.10	30–1	5.8b,5.8		
PTWC	VIII	26 03 20 24	58.70S	24.80W		6.1,5.8		
GFZ	VIII	26 03 20 25.0–.19	59S–2.0	26W–2.0	27–1	5.8,5.7b		
NEIC	VIII	26 03 20 25.2	58.70S	24.47W	36	5.8,5.7b		
NEIC	VIII	26 03 20 25	58.83S	25.44W	30	5.8,5.7b		
GFZ	VIII	26 03 20 25.0	58.84S	25.52W	32	5.9W,5.7b		
GCMT	VIII	26 03 20 30.0–.10	58.91S–.01	24.64W–.01	35–0	5.9W,5.7b		

ISC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s190.00000°,δ38.00000°,λ100.00000°. NP2:ϕ_s357.00000°,δ53.00000°,λ82.00000°.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.43 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-4.63 $M_{r\theta}$-0.88 $M_{\theta\phi}$1.70 $M_{\phi r}$1.97 NP1:ϕ_s339.23000°,δ57.11000°,λ86.27000°. NP2:ϕ_s166.09000°,δ33.07000°,λ95.75000°. Principal axes: T 4.9034,Plg78.0000°,Azm237.0000°; N 0.7248,Plg3.0000°,Azm341.0000°; P -5.6281,Plg12.0000°,Azm72.0000° M_o5.30000×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 4ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}5.96 $M_{\theta\theta}$1.31 $M_{\phi\phi}$-7.27 $M_{r\theta}$-0.51 $M_{\theta\phi}$0.42 $M_{\phi r}$1.86 NP1:ϕ_s182.40000°,δ37.30000°,λ97.81000°. NP2:ϕ_s352.61000°,δ53.10000°,λ84.09000°. Principal axes: T 6.2584,Plg81.0000°,Azm236.0000°; N 1.2966,Plg5.0000°,Azm356.0000°; P -7.5550,Plg8.0000°,Azm87.0000° M_o7.00000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.43 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-6.34 $M_{r\theta}$-0.69 $M_{\theta\phi}$0.75 $M_{\phi r}$4.10 NP1:ϕ_s174.79169°,δ28.59765°,λ92.72312°. NP2:ϕ_s351.69090°,δ61.43762°,λ88.51634°. Principal axes: T 7.6628,Plg73.5203°,Azm257.9905°; N -0.0137,Plg1.3031°,Azm352.4004°; P -7.6490,Plg16.4252°,Azm82.7846° M_o7.65590×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108260320A. Moment Tensor Solution. s151,c311; s157,c514;Duration: 2ŝ1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.69±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-0.81±.01; $M_{r\theta}$-0.11±.01; $M_{\theta\phi}$-0.04±.00; $M_{\phi r}$0.26±.01; Best double couple: NP1:ϕ_s194.00000°,δ37.00000°,λ107.00000°. NP2:ϕ_s352.00000°,δ55.00000°,λ77.00000°. Principal axes: T 0.7600,Plg76.0000°,Azm223.0000°; N 0.1030,Plg10.0000°,Azm360.0000°; P -0.8630,Plg9.0000°,Azm91.0000° M_o0.81200×10^{18}

(153) South Sandwich Islands region

ISC	VIII	26 05 16 37.6–.35	58.76S–.05	25.28W–.06	40–2	5.4b,4.7s	443	8-176
GFZ	VIII	26 05 16 34.0–.17	59S–3.0	25W–3.0	10	5.7,5.5b		¶621007944
MOS	VIII	26 05 16 36.1–.89	58.79S	25.43W	35	5.5b,5.5b		
IDC	VIII	26 05 16 37.3–1.6	58.72S	25.25W	35–11	5.4L,5.2		
NEIC	VIII	26 05 16 37.3–1.1	58.78S–.10	25.4W–.20	35–1	5.4b,5.2		
GCMT	VIII	26 05 16 38.9–.20	58.84S–.02	24.70W–.02	39–0	5.3W,5.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108260516B. Moment Tensor Solution. s91,c137; s103,c140;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99±.03 $M_{\theta\theta}$-0.01±.02; $M_{\phi\phi}$-0.98±.02; $M_{r\theta}$0.01±.02; $M_{\theta\phi}$0.02±.01; $M_{\phi r}$0.20±.02; Best double couple: NP1:ϕ_s178.00000°,δ39.00000°,λ88.00000°. NP2:ϕ_s0.00000°,δ51.00000°,λ91.00000°. Principal axes: T 1.0160,Plg84.0000°,Azm279.0000°; N -0.0130,Plg1.0000°,Azm179.0000°; P -1.0030,Plg6.0000°,Azm89.0000° M_o1.01000×10^{17}

(153) South Sandwich Islands region

ISC	VIII	26 20 18 17.1–.38	57.16S–.04	25.70W–.04	44–3	5.5b,5.1s	600	7-175
NEIC	VIII	26 20 18 15.5–1.7	57.11S–.09	25.5W–.10	35–1	5.7b,5.3		¶621059020
GFZ	VIII	26 20 18 18.0–.48	57S–3.0	26W–3.0	42–4	5.8,5.5b		
IDC	VIII	26 20 18 17.8–1.4	57.07S	25.42W	46–12	5.4L,5.2		
GCMT	VIII	26 20 18 17.3–.10	57.14S–.01	24.91W–.02	26–0	5.4W,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108262018A. Moment Tensor Solution. s128,c218; s141,c265;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.17±.02 $M_{\theta\theta}$-1.20±.01; $M_{\phi\phi}$0.03±.01; $M_{r\theta}$-0.70±.03; $M_{\theta\phi}$0.26±.01; $M_{\phi r}$0.98±.03; Best double couple: NP1:ϕ_s81.00000°,δ30.00000°,λ48.00000°. NP2:ϕ_s308.00000°,δ68.00000°,λ112.00000°. Principal axes: T 1.8110,Plg61.0000°,Azm250.0000°; N -0.2300,Plg20.0000°,Azm120.0000°; P -1.5800,Plg20.0000°,Azm22.0000° M_o1.69600×10^{17}

(262) Celebes Sea

ISC	VIII	27 08 44 05.5–1.3	3.02N–.07	124.73E–.05	35	3.6b	38	1-57
DJA	VIII	27 08 44 04.2–1.1	3N–3.0	125E–2.0	15–10	6.1b,5.8		¶621072132
IDC	VIII	27 08 44 08.7–2.0	2.19N	125.30E	0	3.7b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=124.1km s-min=26.5km az=67.0.

(259) Mindanao

ISC	VIII	27 10 22 26.3–.20	5.68N–.02	125.26E–.03	51–1	5.8b,5.2s	1607	1-178
MAN	VIII	27 10 22 21.0	5.29N	125.28E	47	6.1b,5.7s		¶621008935
BJI	VIII	27 10 22 22.4	5.45N	125.66E	50	5.7b,5.5s		
MOS	VIII	27 10 22 24.2–1.1	5.72N	125.08E	49	5.8b,5.2s		
NEIC	VIII	27 10 22 25.2	5.69N	125.26E	29	5.8b,5.2s		
NEIC	VIII	27 10 22 25	5.70N	125.21E	29	5.8b,5.2s		
DJA	VIII	27 10 22 25.9–.40	6N–2.0	125E–1.0	32–4	6.4,6.2b		
ISC-P	VIII	27 10 22 26	5.67N	125.03E	25–0	6.0,6.2b		
IDC	VIII	27 10 22 26.9–.96	5.68N	125.05E	55–7	5.3,5.1s		
NEIC	VIII	27 10 22 26.1–.95	5.67N–.04	125.03E–.07	54–5	5.9b,5.6		
GFZ	VIII	27 10 22 26.2	5.77N	125.33E	36	5.6W,5.6		
GCMT	VIII	27 10 22 27.6–.10	5.72N–.01	125.19E–.01	37–0	5.7W,5.6		
GFZ	VIII	27 10 22 27.4–.25	6N–2.0	125E–2.0	48–2	5.8b,5.7		
IPGP	VIII	27 10 22 27.0	5.70N	125.21E	34	5.7W,5.7		
NEIC	VIII	27 10 22 35.5	5.70N	125.21E	36	5.6,5.7		

ISC Event type se.
MAN Event type fe. INTENSITY IV - DON MARCELINO JOSE ABAD SANTOS MALITA AND SARANGANI DAVAO OCCIDENTAL; ALABEL GLAN KIAMBA MAASIM MALAPATAN AND MALUNGON SARANGANI; POLOMOLOK SOUTH COTABATO; CITY OF GENERAL SANTOS ; . INTENSITY III - CITY OF DIGOS AND SANTA CRUZ DAVAO DEL SUR; BANGA CITY OF KORONADAL LAKE SEBU TAMPAKAN AND TUPI SOUTH COTABATO; ; BAGUMBAYAN KALAMANSIG AND LEBAK SULTAN KUDARAT ; . INTENSITY II - MATANAO DAVAO DEL SUR; CITY OF DAVAO; KABACAN CITY OF KIDAPAWAN MAKILALA AND MATALAM COTABATO; NORALA SANTO NINO SURALLAH TANTANGAN AND T"BOLI SOUTH COTABATO; ESPERANZA ISULAN PRESIDENT QUIRINO AND CITY OF TACURONG SULTAN KUDARAT ; . INTENSITY I - CITY OF ZAMBOANGA; ANTIPAS ARAKAN M"LANG MAGPET PIKIT AND PRESIDENT ROXAS COTABATO; LAMBAYONG AND SENATOR NINOY ; AQUINO SULTAN KUDARAT.
MOS Error ellipse: s-maj=7.7km s-min=3.9km az=109.0.
NEIC Event type se.
NEIC Event type se.
ISC-P Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}0.47±.09 $M_{\theta\theta}$0.74±.19; $M_{\phi\phi}$-0.27±.12; $M_{r\theta}$-0.20±.20; $M_{\theta\phi}$0.19±.13; $M_{\phi r}$0.06±.10; NP1:ϕ_s220.10000°,δ58.40000°,λ169.00000°. NP2:ϕ_s315.90000°,δ80.60000°,λ32.10000°. M_o1.38000×10^{18}
IDC Error ellipse: s-maj=11.3km s-min=6.8km az=79.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.1km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.59 $M_{\theta\theta}$0.73 $M_{\phi\phi}$-3.31 $M_{r\theta}$0.36 $M_{\theta\phi}$-1.28 $M_{\phi r}$-0.38 NP1:ϕ_s181.58000°,δ49.38000°,λ69.49000°. NP2:ϕ_s31.46000°,δ44.69000°,λ112.21000°. Principal axes: T 2.7212,Plg74.0000°,Azm25.0000°; N 0.9714,Plg15.0000°,Azm195.0000°; P -3.6926,Plg2.0000°,Azm286.0000° M_o3.32000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.88 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-2.44 $M_{r\theta}$0.98 $M_{\theta\phi}$-1.22 $M_{\phi r}$-0.71 NP1:ϕ_s170.27641°,δ58.08762°,λ48.59965°. NP2:ϕ_s49.32966°,δ50.45129°,λ136.72057°. Principal axes: T 2.6955,Plg55.4904°,Azm24.6482°; N 0.2020,Plg34.1501°,Azm195.2642°; P -2.8975,Plg4.3844°,Azm288.2454° M_o2.80194×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108271022A. Moment Tensor Solution. s131,c254; s159,c306;Duration: 1ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.43±.05 $M_{\theta\theta}$1.55±.04; $M_{\phi\phi}$-3.98±.04; $M_{r\theta}$0.35±.05; $M_{\theta\phi}$-2.09±.03; $M_{\phi r}$-1.52±.06; Best double couple: NP1:ϕ_s53.00000°,δ47.00000°,λ145.00000°. NP2:ϕ_s169.00000°,δ65.00000°,λ49.00000°. Principal axes: T 3.2880,Plg51.0000°,Azm31.0000°; N 1.6360,Plg37.0000°,Azm189.0000°; P -4.9250,Plg10.0000°,Azm287.0000° M_o4.10700×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s176.00000°,δ55.00000°,λ59.00000°. NP2:ϕ_s42.00000°,δ45.00000°,λ127.00000°.
NEIC Event type se. Moment Tensor Solution.Duration: 3ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.46 $M_{\theta\theta}$0.68 $M_{\phi\phi}$-3.15 $M_{r\theta}$0.99 $M_{\theta\phi}$-0.71 $M_{\phi r}$-1.23 NP1:ϕ_s34.94000°,δ40.85000°,λ130.31000°. NP2:ϕ_s166.66000°,δ60.08000°,λ60.77000°. Principal axes: T 3.2188,Plg63.0000°,Azm28.0000°; N 0.2482,Plg25.0000°,Azm182.0000°; P -3.4670,Plg10.0000°,Azm277.0000° M_o3.35000×10^{17}

(259) Mindanao

ISC	VIII	27 11 07 01.1–.37	5.61N–.04	125.25E–.06	50	4.4b	168	1-122
BJI	VIII	27 11 06 59.4	5.60N	125.68E	62	4.8b		¶621008940
GFZ	VIII	27 11 07 01.9–.34	6N–3.0	125E–3.0	55–4	4.7b,4.6		
DJA	VIII	27 11 07 02.2–1.3	6N–2.0	125E–2.0	30–13	5.6b,5.2		
NEIC	VIII	27 11 07 03.1–1.1	5.65N–.06	125.27E–.09	65–7	4.5b,5.2		
IDC	VIII	27 11 07 03.8–1.4	5.62N	125.40E	82–12	4.2,3.9b		

ISC Event type se.
GFZ Error ellipse: s-maj=6.5km s-min=5.6km az=88.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.7km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.2km s-min=9.4km az=74.0.

(153) South Sandwich Islands region

ISC	VIII	28 00 22 05.6–.36	59.68S–.05	26.32W–.05	50–3	5.4b,4.5s	498	8-177
IDC	VIII	28 00 21 58.7–.31	59.61S	26.22W	0	5.1b,5.1		¶621237580
GFZ	VIII	28 00 22 00.8–.25	60S–4.0	26W–5.0	10	5.6,5.5b		
MOS	VIII	28 00 22 03.0–.82	59.67S	26.38W	35	5.5b,4.4s		
NEIC	VIII	28 00 22 04.3–1.5	59.65S–.06	26.3W–.10	35–1	5.3b,4.4s		
GCMT	VIII	28 00 22 09.3–.20	59.96S–.01	25.60W–.02	39–0	5.2W,4.4s		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108280022A. Moment Tensor Solution. s80,c114; s118,c179;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.36±.18 $M_{\theta\theta}$1.81±.15; $M_{\phi\phi}$-6.17±.12; $M_{r\theta}$-1.67±.15; $M_{\theta\phi}$-2.97±.10; $M_{\phi r}$1.71±.13; Best double couple: NP1:ϕ_s229.00000°,δ49.00000°,λ137.00000°. NP2:ϕ_s350.00000°,δ59.00000°,λ49.00000°. Principal axes: T 5.9020,Plg55.0000°,Azm205.0000°; N 1.3600,Plg34.0000°,Azm13.0000°; P -7.2620,Plg6.0000°,Azm107.0000° M_o6.58200×10^{16}

(385) Strait of Gibraltar

ISC	VIII	28 11 20 50.3–.23	35.47N–.02	3.62W–.02	14	5.1b,4.7s	1082	0-151
BGR	VIII	28 11 20 37.0–2.5	33.89N	3.54W	10	5.0b,4.4s		¶621009799
MOS	VIII	28 11 20 47.9–1.1	35.49N	3.59W	8	5.1b,4.8s		
CNRM	VIII	28 11 20 48.4	35.59N	3.69W	9	5.5L,4.8s		
IDC	VIII	28 11 20 48.9–.38	35.52N	3.58W	0	4.7s,4.6b		
NEIC	VIII	28 11 20 50.0–.91	35.49N–.05	3.54W–.07	10–1	5.3,5.1b		
IGIL	VIII	28 11 20 49.4	35.44N	3.62W	0	4.4L,5.1b		
SFS	VIII	28 11 20 50.2	35.47N	3.63W	2	5.6b,5.3b		
GFZ	VIII	28 11 20 50.8–.25	35N–3.0	4W–2.0	10	5.0b,4.7b		
INMG	VIII	28 11 20 50.3–2.0	35.44N	3.66W	8–6	4.5L,4.7b		
MDD	VIII	28 11 20 50.1–.24	35.46N	3.62W	0	4.9,4.7b		
MED_R	VIII	28 11 20 50.0	35.46N	3.64W	15	5.2W,4.7b		
LDG	VIII	28 11 20 51.7–.30	35.38N	3.69W	10	4.5L,4.7b		
GFZ	VIII	28 11 20 51.3	35.49N	3.63W	13	5.2W,4.7b		

NAO VIII 28 11 20 52.6 35.51N 3.57W 33 4.8b,4.7b
GCMT VIII 28 11 20 54.0–.10 35.45N–.01 3.50W–.01 12 5.3W,4.7b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
INMG Event type ke. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-1.65±.24 $M_{\theta\theta}$-3.14±.17; $M_{\phi\phi}$0.00±.18; $M_{r\theta}$2.00±.41; $M_{\theta\phi}$-7.42±.21; $M_{\phi r}$1.91±.36; NP1: ϕ_s286.00000°,δ73.00000°,λ-167.00000°. NP2:ϕ_s192.00000°,δ78.00000°,λ-18.00000°. Principal axes: T 9.2700,Plg3.0000°,Azm240.0000°; N -0.6400,Plg69.0000°,Azm338.0000° ; P -8.6300,Plg21.0000°,Azm148.0000° $M_0$8.95000×10^{16}
LDG Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.26 $M_{\theta\theta}$-2.82 $M_{\phi\phi}$2.56 $M_{r\theta}$0.31 $M_{\theta\phi}$-6.66 $M_{\phi r}$-1.64 NP1: ϕ_s100.46600°,δ77.80517°,λ174.92656°. NP2:ϕ_s191.54038°,δ85.04133°,λ12.24135°. Principal axes: T 7.3808,Plg12.1509°,Azm56.5599°; N -0.0145,Plg76.8067°,Azm213.2625° ; P -7.3663,Plg5.0627°,Azm325.4670° $M_0$7.37356×10^{16}
NAO Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108281120A. Moment Tensor Solution. s101,c164; s140,c281;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15±.01 $M_{\theta\theta}$-0.35±.01; $M_{\phi\phi}$0.50±.01; $M_{r\theta}$0.38±.04; $M_{\theta\phi}$-0.83±.01; $M_{\phi r}$-0.54±.03; Best double couple: NP1: ϕ_s197.00000°,δ69.00000°,λ14.00000°. NP2:ϕ_s102.00000°,δ77.00000°,λ158.00000°. Principal axes: T 1.3050,Plg24.0000°,Azm58.0000°; N -0.4430,Plg65.0000°,Azm252.0000° ; P -0.8620,Plg5.0000°,Azm151.0000° $M_0$1.08300×10^{17}

(201) Irian Jaya

ISC	**VIII**	**28 12 27 25.0–.24**	**3.53S–.02**	**140.16E–.02**	**27–1**	**5.6s,5.5b**	**1047**	**1-163**
BJI	VIII	28 12 27 13.7	4.23S	140.85E	10	5.5b,5.4s		**¶621009805**
IDC	VIII	28 12 27 21.1–.37	3.47S	140.17E	0	5.3s,5.2b		
NEIC	VIII	28 12 27 22.7	3.53S	140.09E	9	5.3s,5.2b		
GFZ	VIII	28 12 27 23.7–.16	4S–2.0	140E–2.0	10	5.6b,5.5		
MOS	VIII	28 12 27 23.8–.81	3.53S	140.11E	32	5.5b,5.0s		
IPGP	VIII	28 12 27 23.0	3.53S	140.12E	28	5.8W,5.0s		
NEIC	VIII	28 12 27 25.8–.94	3.54S–.08	140.10E–.06	30–1	5.6,5.6b		
NEIC	VIII	28 12 27 25.8	3.54S	140.10E	30	5.6,5.6b		
GFZ	VIII	28 12 27 25.9	3.53S	140.13E	26	5.8W,5.6b		
DJA	VIII	28 12 27 26.2–.20	4S–2.0	140E–1.0	53–2	6.1b,6.0		
PTWC	VIII	28 12 27 28	3.90S	140.20E	56	5.8,6.0		
GCMT	VIII	28 12 27 29.1–.10	3.42S–.01	140.26E–.01	29–0	5.8W,6.0		
NEIC	VIII	28 12 27 32	3.44S	140.00E	22	5.6,6.0		

ISC Event type se.
IDC Error ellipse: s-maj=10.5km s-min=7.2km az=100.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=8.2km s-min=4.4km az=106.2.
IPGP Moment Tensor Solution. NP1:ϕ_s99.00000°,δ21.00000°,λ76.00000°. NP2:ϕ_s293.00000° ,δ69.00000°,λ95.00000°.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=10.7km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.56 $M_{\theta\theta}$-2.74 $M_{\phi\phi}$1.18 $M_{r\theta}$-1.81 $M_{\theta\phi}$0.70 $M_{\phi r}$0.89 NP1:ϕ_s299.44000°,δ69.02000°,λ112.75000°. NP2:ϕ_s69.93000°,δ30.56000° ,λ44.76000°. Principal axes: T 2.5217,Plg60.0000°,Azm242.0000°; N 1.0759,Plg21.0000° ,Azm111.0000°; P -3.5976,Plg21.0000°,Azm12.0000° $M_0$3.20000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.67 $M_{\theta\theta}$-0.40 $M_{r\theta}$-4.14 $M_{\theta\phi}$1.51 $M_{\phi r}$2.66 NP1: ϕ_s114.70426°,δ15.30640°,λ82.59281°. NP2:ϕ_s302.38067°,δ74.82442°,λ92.02079°. Principal axes: T 5.4943,Plg60.1267°,Azm215.2501°; N 0.4324,Plg1.9503°,Azm121.8515° ; P -5.9266,Plg29.7964°,Azm30.7342° $M_0$5.72273×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108281227A. Moment Tensor Solution. s151,c309; s157,c336;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}3.61±.05 $M_{\theta\theta}$-3.11±.04; $M_{\phi\phi}$-0.49±.04; $M_{r\theta}$-4.71±.10; $M_{\theta\phi}$1.71±.03; $M_{\phi r}$2.36±.08; Best double couple: NP1: ϕ_s116.00000°,δ18.00000°,λ89.00000°. NP2:ϕ_s297.00000°,δ72.00000°,λ90.00000°. Principal axes: T 6.3130,Plg63.0000°,Azm207.0000°; N 0.3480,Plg0.0000°,Azm117.0000° ; P -6.6580,Plg27.0000°,Azm26.0000° $M_0$6.48600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.65 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$-0.29 $M_{r\theta}$-2.67 $M_{\theta\phi}$0.63 $M_{\phi r}$1.08 NP1:ϕ_s117.19000°,δ14.97000° ,λ94.70000°. NP2:ϕ_s292.33000°,δ75.08000°,λ88.75000°. Principal axes: T 3.3186,Plg60.0000°,Azm201.0000°; N -0.0029,Plg1.0000°,Azm293.0000° ; P -3.3158,Plg30.0000°,Azm23.0000° $M_0$3.32000×10^{17}

(274) Southern Sumatera

ISC	**VIII**	**29 08 23 16.8–1.0**	**1.78S–.06**	**100.43E–.05**	**56**	**3.4b**	**21**	**0-144**
IDC	VIII	29 08 23 07.7–4.4	1.99S	100.08E	0	3.3b,3.3		**¶621073163**
DJA	VIII	29 08 23 18.4–.60	2S–5.0	100E–5.0	25–5	6.2b,4.4		

ISC Event type se.

(266) Northern Molucca Sea

ISC	**VIII**	**29 08 34 52.5–1.1**	**1.78N–.09**	**126.61E–.05**	**47**	**3.7b**	**17**	**1-63**
IDC	VIII	29 08 34 46.8–1.7	1.48N	125.91E	0	3.6b,3.6		**¶621073164**
DJA	VIII	29 08 34 50.4–.60	2N–7.0	127E–3.0	10	5.6b,5.1		

ISC Event type se.

(202) New Guinea

ISC	**VIII**	**29 13 08 49.0–1.6**	**3.86S–.04**	**141.68E–.05**	**7–10**	**4.3b**	**107**	**1-144**
IDC	VIII	29 13 08 47.3–.95	3.81S	141.80E	0	4.2,4.1L		**¶621073178**
DJA	VIII	29 13 08 52.7–.60	4S–2.0	142E–2.0	23–6	6.2b,5.9		
NEIC	VIII	29 13 08 53.3–.83	3.81S–.08	141.74E–.03	35–2	4.2b,5.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(259) Mindanao

ISC	**VIII**	**29 14 53 03.3–.94**	**8.00N–.02**	**126.16E–.03**	**32–7**	**4.4b,3.7s**	**254**	**0-144**
DJA	VIII	29 14 52 57.6–1.3	9N–7.0	126E–5.0	31–19	5.5,5.4b		**¶621010000**
MAN	VIII	29 14 53 01.6	8.01N	126.11E	20	5.5b,4.8s		
IDC	VIII	29 14 53 03.9–1.7	7.94N	126.01E	46–18	4.7L,4.2		
NEIC	VIII	29 14 53 04.6–1.4	7.95N–.07	126.23E–.02	35–2	4.6b,4.2		
GFZ	VIII	29 14 53 05.0–.72	8N–5.0	126E–5.0	47–7	4.7,4.7b		

ISC Event type se.
MAN Event type fe. INTENSITY V - SANTA JOSEFA AGUSAN DEL SUR ; . INTENSITY IV - MONKAYO DAVAO DE ORO; BUNAWAN AND ROSARIO AGUSAN DEL SUR ; . INTENSITY III - COMPOSTELA LAAK MAWAB MONTEVISTA NABUNTURAN AND NEW BATAAN DAVAO DE ORO; BOSTON DAVAO ORIENTAL ; . INTENSITY II - MABINI AND PANTUKAN DAVAO DE ORO; SAN FRANCISCO AGUSAN DEL SUR; CITY OF BISLIG SURIGAO DEL SUR ; . INTENSITY I - MACO DAVAO DE ORO.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(221) Kuril Islands

ISC	**VIII**	**29 20 08 18.3–.39**	**48.39N–.04**	**154.64E–.04**	**56–2**	**4.7b,3.7s**	**806**	**2-154**
KRSC	VIII	29 20 08 15.9–2.2	48.23N	156.07E	23–33	5.4L,3.7s		**¶621010012**
BGR	VIII	29 20 08 17.6	48.27N	153.97E	33	4.6b,3.7s		
MOS	VIII	29 20 08 17.8–1.0	48.46N	154.57E	66	4.9b,3.2s		
NEIC	VIII	29 20 08 18.9–1.9	48.43N–.09	154.5E–.10	57–5	4.7b,3.2s		
GFZ	VIII	29 20 08 18.0–.52	48N–3.0	154E–3.0	44–4	4.8b,4.8		
SKHL	VIII	29 20 08 18.0–.00	48.30N	154.90E	76–4	5.6b,4.8		
IDC	VIII	29 20 08 20.8–2.0	48.51N	154.39E	75–17	4.6,4.3b		
JMA	VIII	29 20 08 25.4–.98	47N–4.0	155E–7.0	2	4.6,4.3b		

ISC Event type se.
KRSC Event type se.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. FAR FIELD .

(153) South Sandwich Islands region

ISC	**VIII**	**29 23 32 45.5–.79**	**58.16S–.04**	**23.53W–.05**	**13–4**	**5.4b,4.9s**	**591**	**8-175**
NEIC	VIII	29 23 32 44.6–1.3	58.10S–.08	23.5W–.20	10–1	5.5b,4.9		**¶621010108**
NEIC	VIII	29 23 32 44.5	58.11S	23.51W	10	5.5b,4.9		
BJI	VIII	29 23 32 44.0	58.20S	23.70W	10	5.2b,5.1s		
IDC	VIII	29 23 32 44.1–.32	58.11S	23.47W	0	5.6L,5.2b		
MOS	VIII	29 23 32 45.4–.99	58.20S	23.84W	18	5.7b,4.6s		
NEIC	VIII	29 23 32 45	57.81S	23.32W	20	5.5,4.6s		
GFZ	VIII	29 23 32 46.4–.18	58S–3.0	24W–3.0	10	5.5,5.3b		
GCMT	VIII	29 23 32 49.4–.10	58.17S–.01	22.95W–.01	12	5.3W,5.3b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.53 $M_{\theta\theta}$0.03 $M_{\phi\phi}$1.50 $M_{r\theta}$-0.26 $M_{\theta\phi}$-0.17 $M_{\phi r}$1.25 NP1:ϕ_s356.53000°,δ25.11000° ,λ-84.11000°. NP2:ϕ_s170.04000°,δ65.03000°,λ-92.75000°. Principal axes: T 1.9818,Plg20.0000°,Azm262.0000°; N 0.0181,Plg2.0000°,Azm171.0000° ; P -1.9999,Plg70.0000°,Azm74.0000° $M_0$1.99000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108292332A. Moment Tensor Solution. s97,c166; s121,c247;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83±.02 $M_{\theta\theta}$-0.51±.02; $M_{\phi\phi}$1.34±.01; $M_{r\theta}$-0.23±.04; $M_{\theta\phi}$0.14±.01; $M_{\phi r}$-0.26±.03; Best double couple: NP1: ϕ_s159.00000°,δ44.00000°,λ-128.00000°. NP2:ϕ_s26.00000°,δ57.00000°,λ-60.00000°. Principal axes: T 1.3870,Plg7.0000°,Azm95.0000°; N -0.4260,Plg25.0000°,Azm189.0000° ; P -0.9600,Plg64.0000°,Azm350.0000° $M_0$1.17400×10^{17}

(425) South Indian Ocean

ISC	**VIII**	**30 01 44 19.9–.69**	**3.17S–.10**	**90.53E–.07**	**10**	**3.9b,3.7s**	**118**	**8-151**
IDC	VIII	30 01 44 18.1–1.2	3.32S	90.62E	0	4.5L,3.8		**¶621076480**
NEIC	VIII	30 01 44 20.1–1.1	3.18S–.04	90.4E–.10	10–1	4.3b,3.8		
DJA	VIII	30 01 44 29.5–.40	3S–3.0	91E–3.0	50–9	6.0b,5.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(71) Near coast of Guatemala

ISC	**VIII**	**30 04 46 09.1–1.7**	**13.94N–.05**	**92.20W–.03**	**20–5**		**84**	**1-146**
IDC	VIII	30 04 46 03.2–2.5	13.44N	92.09W	0	3.5L,3.5b		**¶625369831**
GCG	VIII	30 04 46 08.3–1.5	13.81N	92.31W	50–93	4.7,3.5b		
CATAC	VIII	30 04 46 11.8–.78	14N–6.0	92W–4.0	29–7	3.9,3.9		
MEX	VIII	30 04 46 11.2–.60	13.90N	92.23W	9–27	4.1,3.9		
SNET	VIII	30 04 46 17.9	14N–37	92W–37	34–79	9.7,9.1b		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

(250) Mindoro

ISC	**VIII**	**30 11 28 07.3–.52**	**12.80N–.02**	**121.40E–.03**	**49–5**	**4.7b,3.9s**	**343**	**0-150**
IDC	VIII	30 11 28 00.0–.56	12.72N	121.40E	0	4.3b,4.3		**¶621011019**
MAN	VIII	30 11 28 01.7	12.74N	121.42E	10	5.5b,4.7s		
GFZ	VIII	30 11 28 02.6–.17	13N–3.0	121E–4.0	10	4.8b,4.6		
GCMT	VIII	30 11 28 04.8–.30	12.81N–.01	121.29E–.02	22–1	4.8W,4.6		
NEIC	VIII	30 11 28 08.6–.82	12.83N–.08	121.41E–.10	64–7	4.7b,4.6		
BJI	VIII	30 11 28 11.6	13.04N	121.41E	90	4.7b,4.6b		
DJA	VIII	30 11 28 18.4–.80	13N–3.0	122E–3.0	187–9	5.2b,4.5		

ISC Event type se.
MAN Event type fe. INTENSITY IV - BANSUD AND BONGABONG ORIENTAL MINDORO; . INTENSITY III - CALINTAAN OCCIDENTAL MINDORO; CITY OF CALAPAN GLORIA MANSALAY ; PINAMALAYAN AND ROXAS ORIENTAL MINDORO; CONCEPCION; ROMBLON; . INTENSITY II - ABRA DE ILOG MAGSAYSAY RIZAL SABLAYAN SAN JOSE AND SANTA CRUZ OCCIDENTAL ; MINDORO; BACO BULALACAO NAUJAN POLA PUERTO; GALERA SAN TEODORO SOCORRO AND VICTORIA ORIENTAL MINDORO; . INTENSITY I - TINGLOY BATANGAS; MAMBURAO OCCIDENTAL MINDORO.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108301128A. Moment Tensor Solution. s18,c20; s97,c129; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.13 $M_{\theta\theta}$1.09±.08; $M_{\phi\phi}$-1.17±.11; $M_{r\theta}$-0.23±.14; $M_{\theta\phi}$-1.81±.06; $M_{\phi r}$0.60±.15; Best double couple: NP1:ϕ_s254.00000°,δ73.00000° ,λ178.00000°. NP2:ϕ_s344.00000°,δ88.00000°,λ17.00000°. Principal axes: T 2.0280,Plg13.0000°,Azm210.0000°; N 0.0400,Plg73.0000°,Azm351.0000° ; P -2.2500,Plg10.0000°,Azm118.0000° $M_0$2.22900×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(202) New Guinea

ISC	**VIII**	**30 12 33 12.1–1.6**	**3.28S–.04**	**141.81E–.07**	**23–11**	**4.4b,3.4s**	**106**	**1-145**
IDC	VIII	30 12 33 07.9–.73	3.35S	141.84E	0	4.0b,4.0		**¶621076517**
DJA	VIII	30 12 33 10.3–.60	3S–3.0	142E–4.0	10	6.4b,6.1		
NEIC	VIII	30 12 33 14.1–1.1	3.34S–.09	141.7E–.10	35–2	4.5b,6.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(177) Kermadec Islands region

ISC	**VIII**	**31 02 52 49.6–.35**	**30.00S–.03**	**177.30W–.04**	**15–1**	**6.5s,6.2b**	**1797**	**1-173**
BJI	VIII	31 02 52 47.0	29.55S	176.95W	10	6.6b,6.5s		**¶621237592**
IDC	VIII	31 02 52 47.9–.32	29.89S	177.41W	0	6.3s,5.7b		
IPGP	VIII	31 02 52 49.0	29.96S	177.52W	18	6.4W,5.7b		
GFZ	VIII	31 02 52 49.6–.19	30S–3.0	177W–3.0	10	6.3,6.1b		
NEIC	VIII	31 02 52 50.5–1.3	29.92S–.06	177.38W–.08	16–1	6.5,6.2b		
NEIC	VIII	31 02 52 50.5	29.91S	177.37W	16	6.5,6.2b		
ISC-P	VIII	31 02 52 50	29.92S	177.38W	35–0	6.8,6.2b		
PTWC	VIII	31 02 52 50	30.10S	176.60W	40	6.5,6.2b		
MOS	VIII	31 02 52 50.8–.97	29.86S	177.60W	24	6.4s,6.4b		
GFZ	VIII	31 02 52 50.2	29.92S	177.48W	24	6.4W,6.4b		
NEIC	VIII	31 02 52 50.5	29.91S	177.37W	16	6.4W,6.4b		
GCMT	VIII	31 02 52 56.4–.00	29.93S	177.11W	22–0	6.4W,6.4b		
NEIC	VIII	31 02 52 59.4	30.01S	177.02W	18	6.4,6.4b		
NOU	VIII	31 02 53 06.2	29.80S	177.60W	157	6.3,6.4b		

ISC Event type se.
IDC Error ellipse: s-maj=13.4km s-min=12.1km az=68.0.
IPGP Moment Tensor Solution. NP1:ϕ_s207.00000°,δ25.00000°,λ98.00000°. NP2:ϕ_s19.00000° ,δ65.00000°,λ86.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.1km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.47 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$-1.67 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.27 $M_{\phi r}$1.02 NP1:ϕ_s13.40000°,δ58.06000°,λ88.29000°. NP2:ϕ_s196.63000°,δ31.98000° ,λ92.74000°. Principal axes: T 2.7165,Plg77.0000°,Azm278.0000°; N -0.7272,Plg1.0000° ,Azm14.0000°; P -1.9892,Plg13.0000°,Azm105.0000° $M_0$2.44000×10^{18}
NEIC Event type se.
ISC-P Moment Tensor Solution. s24 Moment tensor: Scale 10^{19}Nm; M_{rr}0.52±.15 $M_{\theta\theta}$0.01±.16; $M_{\phi\phi}$-0.51±.17; $M_{r\theta}$0.10±.11; $M_{\theta\phi}$0.38±.21; $M_{\phi r}$-0.28±.10; NP1:ϕ_s17.30000°,δ62.30000° ,λ82.90000°. NP2:ϕ_s212.20000°,δ28.60000°,λ103.10000°. $M_0$2.04000×10^{19}
PTWC KERMADEC ISLANDS REGION.
MOS Error ellipse: s-maj=10.5km s-min=7.5km az=109.4.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}3.02 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-2.74 $M_{r\theta}$1.53 $M_{\theta\phi}$-0.63 $M_{\phi r}$4.60 NP1: ϕ_s190.05045°,δ15.80547°,λ82.68067°. NP2:ϕ_s17.65408°,δ74.32665°,λ92.06539°. Principal axes: T 5.7427,Plg60.6217°,Azm290.6318°; N -0.1369,Plg1.9886°,Azm197.0959° ; P -5.6057,Plg29.2976°,Azm105.9795° $M_0$5.67544×10^{18}
NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108310252A. Moment Tensor Solution. s165,c421; s167,c732;Duration: 3s9 Moment tensor: Scale 10^{18}Nm; M_{rr}4.15±.02 $M_{\theta\theta}$-0.13±.01; $M_{\phi\phi}$-4.02±.01; $M_{r\theta}$0.68±.03; $M_{\theta\phi}$-1.14±.01; $M_{\phi r}$2.78±.03; Best double couple: NP1:ϕ_s196.00000°,δ28.00000°,λ92.00000°. NP2:ϕ_s14.00000°,δ62.00000°,λ89.00000°. Principal axes: T 5.0260,Plg73.0000°,Azm282.0000°; N 0.1760,Plg1.0000°,Azm15.0000° ; P -5.2050,Plg17.0000°,Azm105.0000° $M_0$5.11600×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 8s9 Moment tensor: Scale 10^{18}Nm; M_{rr}4.23 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-4.18 $M_{r\theta}$-0.27 $M_{\theta\phi}$-0.74 $M_{\phi r}$2.58 NP1:ϕ_s197.92000°,δ30.34000° ,λ104.10000°. NP2:ϕ_s1.70000°,δ60.67000°,λ81.89000°. Principal axes: T 5.0025,Plg73.0000°,Azm252.0000°; N -0.0163,Plg7.0000°,Azm6.0000° ; P -4.9863,Plg15.0000°,Azm98.0000° $M_0$4.99000×10^{18}

NOU Kermadec Islands, New Zealand.

(186) Vanuatu Islands

ISC	**VIII**	**31 13 26 58.1–.40**	**13.58S–.04**	**167.60E–.05**	**13–2**	**5.4b,5.2s**	**536**	**2-166**	
BJI	VIII	31 13 26 54.1	13.39S	167.93E	5	5.5b,5.3s			**¶621012259**
IDC	VIII	31 13 26 55.6–.41	13.52S	167.58E	0	5.0s,4.8L			
MOS	VIII	31 13 26 56.4–.95	13.55S	167.55E	16	5.3b,5.2s			
GFZ	VIII	31 13 26 57.1	13.62S	167.65E	10	5.4W,5.2s			
NEIC	VIII	31 13 26 58.6	13.43S	167.81E	12	5.4,5.2s			
NEIC	VIII	31 13 26 58.1–2.1	13.69S–.06	167.54E–.04	10–1	5.5b,5.4			
NEIC	VIII	31 13 26 58.2	13.73S	167.50E	10	5.5b,5.4			
NEIC	VIII	31 13 26 58.2	13.73S	167.50E	10	5.5b,5.4			
GFZ	VIII	31 13 26 59.3–.32	14S–4.0	167E–5.0	10	5.3b,5.2			
NOU	VIII	31 13 27 00.0	13.56S	167.67E	33	5.1b,5.2			
GCMT	VIII	31 13 27 02.2–.10	13.57S–.01	167.64E	12	5.5W,5.2			

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.64 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-0.76 $M_{r\theta}$-0.09 $M_{\theta\phi}$1.27 $M_{\phi r}$-0.75 NP1: ϕ_s283.53206°,δ53.92400°,λ18.93613°. NP2:ϕ_s182.11055°,δ74.79437°,λ142.39449°. Principal axes: T 1.4159,Plg37.0024°,Azm136.6547°; N 0.3813,Plg49.8621°,Azm343.3061° ; P -1.7972,Plg13.3514°,Azm236.9581° $M_0$1.64014×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.32 $M_{\theta\theta}$0.32 $M_{\phi\phi}$-0.65 $M_{r\theta}$-0.48 $M_{\theta\phi}$1.34 $M_{\phi r}$-0.24 NP1:ϕ_s187.30000°,δ71.26000° ,λ163.97000°. NP2:ϕ_s282.58000°,δ74.84000°,λ19.45000°. Principal axes: T 1.5064,Plg24.0000°,Azm146.0000°; N 0.0866,Plg66.0000°,Azm319.0000° ; P -1.5931,Plg2.0000°,Azm54.0000° $M_0$1.55000×10^{17}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.46 $M_{\theta\theta}$0.49 $M_{\phi\phi}$-0.95 $M_{r\theta}$0.42 $M_{\theta\phi}$1.61 $M_{\phi r}$-0.18 NP1:ϕ_s12.00000°,δ74.34000°,λ176.66000°. NP2:ϕ_s102.90000°,δ86.79000° ,λ15.68000°. Principal axes: T 1.5939,Plg13.0000°,Azm329.0000°; N 0.4547,Plg74.0000° ,Azm114.0000°; P -2.0487,Plg9.0000°,Azm236.0000° $M_0$1.86000×10^{17}

NEIC Event type se.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NOU Vanuatu Islands.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108311326A. Moment Tensor Solution. s127,c250; s160,c324;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.33±.02 $M_{\theta\theta}$0.60±.02; $M_{\phi\phi}$-0.92±.02; $M_{r\theta}$-0.46±.04; $M_{\theta\phi}$1.69±.01; $M_{\phi r}$0.23±.04; Best double couple: NP1: ϕ_s192.00000°,δ75.00000°,λ180.00000°. NP2:ϕ_s282.00000°,δ90.00000°,λ15.00000°. Principal axes: T 1.7380,Plg11.0000°,Azm148.0000°; N 0.3620,Plg75.0000°,Azm284.0000° ; P -2.0990,Plg10.0000°,Azm56.0000° $M_0$1.91800×10^{17}

(153) South Sandwich Islands region

ISC	**VIII**	**31 14 24 25.0–.23**	**56.98S–.05**	**25.08W–.05**	**10**	**5.4b,5.2s**	**429**	**7-177**	
IDC	VIII	31 14 24 23.2–.35	56.87S	25.00W	0	5.0b,5.0			**¶622451803**
MOS	VIII	31 14 24 23.9–.89	56.98S	25.25W	10	5.5b,4.9s			
GFZ	VIII	31 14 24 25.9	57.01S	25.35W	18	5.6W,4.9s			
NEIC	VIII	31 14 24 25.4–1.7	57.02S–.09	25.1W–.20	15–3	5.5b,5.2			
NEIC	VIII	31 14 24 25.9	57.03S	25.16W	18	5.5b,5.2			
GFZ	VIII	31 14 24 26.1–.27	57S–4.0	25W–5.0	10	5.5,5.4b			
BJI	VIII	31 14 24 27.4	57.00S	25.20W	25	5.6b,5.3s			
GCMT	VIII	31 14 24 31.7–.10	57.00S–.01	24.82W–.01	12–0	5.5W,5.3s			
NEIC	VIII	31 14 24 36.2	56.33S	25.53W	18	5.6,5.3s			

ISC Event type se.

IDC Error ellipse: s-maj=16.4km s-min=11.8km az=46.0.

MOS Error ellipse: s-maj=21.4km s-min=11.5km az=108.6.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.06 $M_{\theta\theta}$0.43 $M_{\phi\phi}$-2.49 $M_{r\theta}$0.84 $M_{\theta\phi}$0.55 $M_{\phi r}$-1.03 NP1: ϕ_s153.53779°,δ60.50958°,λ71.19050°. NP2:ϕ_s8.21760°,δ34.51751°,λ119.68758°. Principal axes: T 2.5297,Plg68.5467°,Azm24.9763°; N 0.3417,Plg16.2989°,Azm163.0564° ; P -2.8715,Plg13.5639°,Azm257.1016° $M_0$2.71678×10^{17}

NEIC Event type se. Error ellipse: s-maj=14.2km s-min=13.0km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108311424A. Moment Tensor Solution. s137,c242; s152,c317;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.03±.03 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-2.14±.02; $M_{r\theta}$-0.24±.07; $M_{\theta\phi}$0.66±.02; $M_{\phi r}$1.49±.07; Best double couple: NP1: ϕ_s160.00000°,δ28.00000°,λ83.00000°. NP2:ϕ_s349.00000°,δ62.00000°,λ94.00000°. Principal axes: T 2.5080,Plg72.0000°,Azm268.0000°; N 0.2890,Plg3.0000°,Azm167.0000° ; P -2.7890,Plg17.0000°,Azm76.0000° $M_0$2.64800×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}2.61 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.96 $M_{\theta\phi}$0.85 $M_{\phi r}$0.54 NP1:ϕ_s175.07000°,δ38.14000° ,λ112.91000°. NP2:ϕ_s326.82000°,δ55.32000°,λ73.00000°. Principal axes: T 2.9234,Plg73.0000°,Azm190.0000°; N -0.0916,Plg14.0000°,Azm337.0000° ; P -2.8318,Plg9.0000°,Azm69.0000° $M_0$2.88000×10^{17}

(282) South of Jawa

ISC	**VIII**	**31 20 12 35.9–.54**	**11.12S–.06**	**111.25E–.05**	**10**	**4.1b**	**79**	**3-88**	
DJA	VIII	31 20 12 32.5–1.9	11S–15	111E–9.0	10	5.7b,5.2			**¶621076636**
IDC	VIII	31 20 12 35.4–.92	11.11S	111.27E	0	3.9b,3.9			
NEIC	VIII	31 20 12 36.5–1.6	11.17S–.09	111.17E–.07	10–1	4.3b,3.9			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(173) Tonga Islands

ISC	**IX**	**01 08 21 04.2–.30**	**18.68S–.05**	**174.04W–.04**	**34–1**	**5.5b,4.5s**	**763**	**5-173**	
IDC	IX	01 08 20 59.0–.36	18.73S	174.09W	0	5.1L,5.1b			**¶621012691**
GFZ	IX	01 08 21 01.0–.20	19S–4.0	174W–4.0	10	5.5b,5.2			
MOS	IX	01 08 21 01.8–.98	18.69S	174.16W	25	5.5b,5.2			
BJI	IX	01 08 21 03.5	18.69S	173.60W	46	5.4b,5.1b			
NEIC	IX	01 08 21 03.9–1.9	18.62S–.08	174.1W–.10	29–2	5.6b,5.4			
GCMT	IX	01 08 21 08.4–.10	18.67S–.01	173.60W–.01	43–0	5.3W,5.4			
NOU	IX	01 08 21 08.4	19.03S	173.84W	76	5.5b,5.4			

ISC Event type se.

IDC Error ellipse: s-maj=16.4km s-min=10.5km az=124.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

MOS Error ellipse: s-maj=9.7km s-min=7.6km az=57.7.

NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.9km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109010821A. Moment Tensor Solution. s104,c181; s126,c230;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$0.15±.02; $M_{\phi\phi}$-0.81±.02; $M_{r\theta}$0.34±.02; $M_{\theta\phi}$0.49±.01; $M_{\phi r}$-0.77±.02; Best double couple: NP1: ϕ_s340.00000°,δ23.00000°,λ93.00000°. NP2:ϕ_s156.00000°,δ67.00000°,λ89.00000°. Principal axes: T 1.0160,Plg68.0000°,Azm63.0000°; N 0.3540,Plg1.0000°,Azm157.0000° ; P -1.3690,Plg22.0000°,Azm247.0000° $M_0$1.19200×10^{17}

NOU Tonga Islands.

(153) South Sandwich Islands region

ISC	**IX**	**01 09 01 13.0–.42**	**59.07S–.04**	**25.65W–.05**	**43–3**	**5.4b,5.2s**	**588**	**8-176**	
IDC	IX	01 09 01 06.4–.36	59.00S	25.66W	0	5.1,5.0b			**¶622451814**
MOS	IX	01 09 01 10.3–.84	59.06S	25.64W	29	5.5b,5.0s			
NEIC	IX	01 09 01 11.9	59.05S	25.62W	30	5.5b,5.0s			
NEIC	IX	01 09 01 11.4–1.3	59.08S–.08	25.6W–.20	27–1	5.5b,5.4			
NEIC	IX	01 09 01 12.4	59.06S	25.60W	34	5.5b,5.4			
NEIC	IX	01 09 01 12.1	59.15S	25.03W	40	5.6,5.4			
GFZ	IX	01 09 01 14.4	59.14S	25.66W	38	5.5W,5.4			
BJI	IX	01 09 01 14.5	59.10S	25.70W	50	5.6s,5.4b			
GFZ	IX	01 09 01 14.4–.19	59S–3.0	26W–2.0	50–1	5.4,5.4b			
GCMT	IX	01 09 01 16.9–.10	59.26S–.01	24.90W–.01	41–0	5.6W,5.4b			

ISC Event type se.

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.83 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$-1.29 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.41 $M_{\phi r}$0.35 NP1:ϕ_s18.33000°,δ50.45000°,λ83.88000°. NP2:ϕ_s207.89000°,δ39.95000° ,λ97.35000°. Principal axes: T 1.8757,Plg83.0000°,Azm251.0000°; N -0.3752,Plg5.0000° ,Azm22.0000°; P -1.5005,Plg5.0000°,Azm113.0000° $M_0$1.72000×10^{17}

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.67 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-2.62 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.45 $M_{\phi r}$0.08 NP1:ϕ_s182.00000°,δ43.99000° ,λ78.97000°. NP2:ϕ_s17.15000°,δ47.03000°,λ100.46000°. Principal axes: T 2.7203,Plg82.0000°,Azm358.0000°; N -0.0207,Plg8.0000°,Azm190.0000° ; P -2.6995,Plg2.0000°,Azm100.0000° $M_0$2.71000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.56 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-2.47 $M_{r\theta}$-0.10 $M_{\theta\phi}$-0.36 $M_{\phi r}$0.22 NP1: ϕ_s191.16985°,δ42.78942°,λ94.09401°. NP2:ϕ_s5.59919°,δ47.34577°,λ86.21903°. Principal axes: T 2.5764,Plg86.4031°,Azm227.5913°; N -0.0436,Plg2.7798°,Azm8.1631° ; P -2.5328,Plg2.2809°,Azm98.2739° $M_0$2.55487×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109010901A. Moment Tensor Solution. s137,c248; s144,c274;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.60±.04 $M_{\theta\theta}$0.34±.03; $M_{\phi\phi}$-2.94±.03; $M_{r\theta}$0.25±.04; $M_{\theta\phi}$-1.02±.02; $M_{\phi r}$0.36±.03; Best double couple: NP1: ϕ_s192.00000°,δ41.00000°,λ84.00000°. NP2:ϕ_s20.00000°,δ49.00000°,λ95.00000°. Principal axes: T 2.6400,Plg84.0000°,Azm331.0000°; N 0.6170,Plg4.0000°,Azm196.0000° ; P -3.2620,Plg4.0000°,Azm106.0000° $M_0$2.95100×10^{17}

(122) Near coast of northern Chile

ISC	**IX**	**01 18 35 45.8–.24**	**27.73S–.02**	**71.06W–.03**	**27–1**	**5.7b,5.2s**	**1106**	**0-176**	
IDC	IX	01 18 35 41.9–.34	27.71S	70.94W	0	5.4b,5.3			**¶621013627**
SJA	IX	01 18 35 41.5–.78	27.68S	71.34W	11–3	5.9L,5.5W			
VAO	IX	01 18 35 41.8–.27	27.71S	71.02W	10	6.0b,5.5W			
IPGP	IX	01 18 35 44.0	27.74S	71.21W	39	5.7W,5.5W			
NEIC	IX	01 18 35 44.4	27.74S	71.16W	17	5.7W,5.5W			
NEIC	IX	01 18 35 44.4	27.74S	71.16W	17	5.7W,5.5W			
MOS	IX	01 18 35 45.8–.97	27.65S	70.90W	28	5.9b,5.2s			
ISC-P	IX	01 18 35 45	27.73S	71.11W	47–0	6.1,5.2s			
GFZ	IX	01 18 35 45.8–.23	28S–1.0	71W–2.0	21–1	6.1b,5.8b			
NEIC	IX	01 18 35 45.9–1.3	27.73S–.03	71.11W–.06	28–1	5.8,5.7			
CATAC	IX	01 18 35 46.5–.90	28S–2.0	71W–5.0	22–6	6.7,6.0b			
NEIC	IX	01 18 35 46.1	27.73S	71.11W	28	6.7,6.0b			
GFZ	IX	01 18 35 46.6	27.76S	70.97W	21	5.6W,6.0b			
GUC	IX	01 18 35 47.0–.83	27.74S	71.12W	15–5	5.5L,6.0b			
NEIC	IX	01 18 35 49.7	27.63S	71.22W	36	5.6,6.0b			
GCMT	IX	01 18 35 50.7–.10	27.80S–.01	71.35W–.01	42–0	5.7W,6.0b			

ISC Event type se.

SJA Event type se. Presumed earthquake.

VAO Event type se. Presumed earthquake.

IPGP Moment Tensor Solution. NP1:ϕ_s357.00000°,δ30.00000°,λ103.00000°. NP2:ϕ_s162.00000° ,δ61.00000°,λ83.00000°.

NEIC Event type se.

NEIC Event type se.

ISC-P Moment Tensor Solution. s30 Moment tensor: Scale 10^{18}Nm; M_{rr}0.66±.27 $M_{\theta\theta}$-0.33±.27; $M_{\phi\phi}$-0.33±.20; $M_{r\theta}$-0.12±.18; $M_{\theta\phi}$-0.14±.26; $M_{\phi r}$0.37±.27; NP1:ϕ_s150.40000°,δ47.70000° ,λ111.60000°. NP2:ϕ_s299.90000°,δ46.50000°,λ68.00000°. $M_0$1.58000×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.73 $M_{\theta\phi}$-0.44 $M_{\phi r}$-2.01 NP1:ϕ_s40.22000°,δ20.71000°,λ141.78000°. NP2:ϕ_s166.59000°,δ77.37000° ,λ73.46000°. Principal axes: T 2.5671,Plg55.0000°,Azm56.0000°; N -0.2370,Plg16.0000° ,Azm170.0000°; P -2.3302,Plg30.0000°,Azm270.0000° $M_0$2.46000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.89 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-3.82 $M_{r\theta}$0.75 $M_{\theta\phi}$-0.27 $M_{\phi r}$-1.33 NP1:ϕ_s14.68000°,δ36.83000°,λ107.73000°. NP2:ϕ_s172.91000°,δ55.18000° ,λ77.15000°. Principal axes: T 4.2597,Plg76.0000°,Azm43.0000°; N -0.2145,Plg11.0000° ,Azm180.0000°; P -4.0452,Plg9.0000°,Azm272.0000° $M_0$4.16000×10^{17}

CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.17 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-1.19 $M_{r\theta}$1.15 $M_{\theta\phi}$-0.13 $M_{\phi r}$-2.49 NP1: ϕ_s158.48729°,δ79.44947°,λ79.69238°. NP2:ϕ_s23.29351°,δ14.70899°,λ133.85194°. Principal axes: T 3.1018,Plg54.4301°,Azm55.9245°; N -0.2433,Plg10.1315°,Azm160.3946° ; P -2.8585,Plg33.6736°,Azm257.2321° $M_0$2.98756×10^{17}

GUC Event type se. Presumed earthquake.

NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.01 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-2.29 $M_{r\theta}$0.98 $M_{\theta\phi}$0.25 $M_{\phi r}$-1.98 NP1:ϕ_s11.20000°,δ25.03000° ,λ119.40000°. NP2:ϕ_s159.32000°,δ68.37000°,λ77.09000°. Principal axes: T 3.0307,Plg64.0000°,Azm48.0000°; N 0.1321,Plg12.0000°,Azm164.0000° ; P -3.1628,Plg22.0000°,Azm259.0000° $M_0$3.10000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109011835A. Moment Tensor Solution. s142,c290; s142,c277;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.16±.04 $M_{\theta\theta}$0.42±.03; $M_{\phi\phi}$-3.58±.04; $M_{r\theta}$0.94±.04; $M_{\theta\phi}$-0.31±.03; $M_{\phi r}$-2.60±.05; Best double couple: NP1: ϕ_s21.00000°,δ29.00000°,λ119.00000°. NP2:ϕ_s169.00000°,δ65.00000°,λ75.00000°. Principal axes: T 4.3000,Plg67.0000°,Azm52.0000°; N 0.1680,Plg14.0000°,Azm175.0000° ; P -4.4660,Plg19.0000°,Azm270.0000° $M_0$4.38300×10^{17}

(256) Leyte

ISC	**IX**	**02 07 23 31.6–.37**	**11.53N–.02**	**124.43E–.02**	**26–2**	**4.7b,4.3s**	**299**	**1-148**	
MAN	IX	02 07 23 27.0	11.52N	124.39E	4	5.6b,5.0s			**¶621022470**
IDC	IX	02 07 23 26.8–.50	11.49N	124.66E	0	4.4,4.3L			
GFZ	IX	02 07 23 27.8–.28	12N–3.0	125E–6.0	10	4.8b,4.6			
BJI	IX	02 07 23 30.4	11.53N	124.53E	27	4.9b,4.7s			
GCMT	IX	02 07 23 32.2–.20	11.54N–.01	124.36E–.01	20–1	5.0W,4.7s			
NEIC	IX	02 07 23 32.1–1.1	11.62N–.05	124.48E–.09	31–5	4.8b,4.7s			

ISC Event type fe.

MAN Event type fe. INTENSITY V - ALMERIA BILIRAN CABUCGAYAN AND NAVAL BILIRAN ; . INTENSITY IV - CAIBIRAN CULABA AND KAWAYAN BILIRAN; CALUBIAN LEYTE SAN ISIDRO TABANGO AND VILLABA LEYTE; . INTENSITY III - MARIPIPI BILIRAN; CAPOOCAN CARIGARA ISABEL KANANGA AND MERIDA LEYTE; ORMOC CITY ; ; . INTENSITY II - CITY OF MASBATE MASBATE; CITY OF CEBU; ALANGALANG JARO PALO PASTRANA SANTA FE AND TUNGA LEYTE; ; CITY OF TACLOBAN.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109020723A. Moment Tensor Solution. s38,c48; s111,c177; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.04±.12 $M_{\theta\theta}$3.55±.10; $M_{\phi\phi}$-3.51±.11; $M_{r\theta}$-1.82±.23; $M_{\theta\phi}$-1.49±.08; $M_{\phi r}$-0.26±.20; Best double couple: NP1:ϕ_s328.00000° ,δ68.00000°,λ8.00000°. NP2:ϕ_s235.00000°,δ82.00000°,λ158.00000°. Principal axes: T 4.5180,Plg21.0000°,Azm190.0000°; N -0.5950,Plg67.0000°,Azm37.0000° ; P -3.9190,Plg10.0000°,Azm284.0000° $M_0$4.21800×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(177) Kermadec Islands region

ISC	**IX**	**02 23 20 19.5–.43**	**30.25S–.04**	**176.89W–.04**	**11–2**	**5.2b,4.8s**	**524**	**1-169**	
MOS	IX	02 23 20 18.7–.97	30.10S	177.14W	10	5.4b,4.8s			**¶621024219**
BJI	IX	02 23 20 18.8	29.82S	176.63W	16	5.6b,5.3b			
IDC	IX	02 23 20 18.1–.40	30.05S	176.93W	0	4.8b,4.7			
NEIC	IX	02 23 20 19.7–1.6	30.08S–.09	177.0W–.10	10–1	5.2b,4.7			

GFZ IX 02 23 20 20.2–.22 30S–3.0 177W–4.0 10 5.1b,5.1
GCMT IX 02 23 20 23.8–.20 30.02S–.01 176.52W–.01 12 5.2W,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109022320A. Moment Tensor Solution. s77,c119; s123,c204;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.98±.09 $M_{\theta\theta}$-0.36±.09; $M_{\phi\phi}$-4.62±.08; $M_{r\theta}$1.47±.28; $M_{\theta\phi}$-0.85±.08; $M_{\phi r}$4.79±.24; Best double couple: NP1: ϕ_s187.00000°,δ22.00000°,λ82.00000°. NP2:ϕ_s15.00000°,δ68.00000°,λ93.00000°. Principal axes: T 7.1070,Plg67.0000°,Azm291.0000°; N -0.2280,Plg3.0000°,Azm194.0000° ; P -6.8810,Plg23.0000°,Azm103.0000° $M_0$6.99400×10^{16}

(153) South Sandwich Islands region

ISC	**IX**	**03 00 06 16.7–.31**	**58.78S–.04**	**25.84W–.04**	**46–2**	**5.5b,5.1s**	**844**	**7-176**
GFZ	IX	03 00 06 13.2	58.76S	25.73W	48	5.5W,5.1s		**¶621240941**
MOS	IX	03 00 06 14.2–.83	58.82S	25.76W	34	5.6b,4.9s		
NEIC	IX	03 00 06 16.3	58.84S	25.73W	36	5.6b,4.9s		
NEIC	IX	03 00 06 16.7	58.87S	25.80W	38	5.6b,4.9s		
NEIC	IX	03 00 06 16.5	58.44S	24.96W	50	5.5,4.9s		
NEIC	IX	03 00 06 16.1–1.8	58.82S–.07	25.73W–.10	35–3	5.5b,5.5		
IDC	IX	03 00 06 16.9–.95	58.71S	25.60W	46–7	5.5L,5.3		
GFZ	IX	03 00 06 18.4–.37	59S–3.0	26W–2.0	52–3	5.7,5.5b		
GCMT	IX	03 00 06 19.7–.10	58.99S–.01	24.98W–.01	51–0	5.5W,5.5b		
PTWC	IX	03 00 06 20	58.90S	25.60W	80	5.7,5.5b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$0.15 $M_{\phi\phi}$-2.11 $M_{r\theta}$-0.30 $M_{\theta\phi}$0.13 $M_{\phi r}$0.45 NP1: ϕ_s185.09927°,δ39.17081°,λ102.96892°. NP2:ϕ_s348.55495°,δ52.01009°,λ79.63826°. Principal axes: T 2.0543,Plg79.5572°,Azm213.9931°; N 0.1186,Plg8.1493°,Azm354.9763° ; P -2.1729,Plg6.4857°,Azm85.9090° $M_0$2.11607×10^{17}
MOS Error ellipse: s-maj=18.6km s-min=9.1km az=105.4.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.26 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-1.98 $M_{r\theta}$-0.74 $M_{\theta\phi}$0.25 $M_{\phi r}$0.32 NP1:ϕ_s184.72000°,δ40.88000° ,λ111.45000°. NP2:ϕ_s337.25000°,δ52.47000°,λ72.43000°. Principal axes: T 2.4723,Plg75.0000°,Azm192.0000°; N -0.4120,Plg14.0000°,Azm348.0000° ; P -2.0602,Plg6.0000°,Azm80.0000° $M_0$2.29000×10^{17}
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=4.7km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.10 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-2.04 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.47 $M_{\phi r}$0.11 NP1:ϕ_s346.28000°,δ46.61000°,λ88.49000°. NP2:ϕ_s168.47000°,δ43.41000° ,λ91.59000°. Principal axes: T 2.1075,Plg88.0000°,Azm223.0000°; N 0.0442,Plg1.0000° ,Azm347.0000°; P -2.1517,Plg2.0000°,Azm77.0000° $M_0$2.13000×10^{17}
IDC Error ellipse: s-maj=13.8km s-min=10.1km az=50.0.
GFZ Error ellipse: s-maj=6.6km s-min=4.9km az=24.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109030006A. Moment Tensor Solution. s143,c266; s146,c281;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.05±.03 $M_{\theta\theta}$0.37±.02; $M_{\phi\phi}$-2.42±.02; $M_{r\theta}$-0.30±.02; $M_{\theta\phi}$0.04±.02; $M_{\phi r}$0.44±.02; Best double couple: NP1: ϕ_s189.00000°,δ40.00000°,λ105.00000°. NP2:ϕ_s350.00000°,δ51.00000°,λ78.00000°. Principal axes: T 2.1430,Plg79.0000°,Azm210.0000°; N 0.3240,Plg9.0000°,Azm358.0000° ; P -2.4650,Plg6.0000°,Azm89.0000° $M_0$2.30400×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.

(153) South Sandwich Islands region

ISC	**IX**	**03 07 49 42.9–.20**	**59.92S–.04**	**26.80W–.05**	**8**	**5.5b,5.3s**	**631**	**8-179**
IDC	IX	03 07 49 41.8–.33	59.86S	26.75W	0	5.3b,5.2L		**¶622451855**
MOS	IX	03 07 49 42.0–.99	59.93S	26.79W	7	5.8b,5.2s		
GFZ	IX	03 07 49 44.0–.19	60S–4.0	27W–4.0	10	5.8,5.6b		
ISC-P	IX	03 07 49 43	59.93S	26.75W	8–0	6.2,5.6b		
NEIC	IX	03 07 49 43.5–1.1	59.93S–.09	26.8W–.20	7–3	5.6,5.6b		
BJI	IX	03 07 49 44.0	59.90S	26.70W	15	5.7b,5.5s		
GFZ	IX	03 07 49 44.5	60.06S	26.86W	12	5.6W,5.5s		
NEIC	IX	03 07 49 45	59.93S	26.70W	16	5.6W,5.5s		
GCMT	IX	03 07 49 48.2–.10	60.19S	26.22W	12	5.6W,5.5s		

ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=11.5km az=57.0.
MOS Error ellipse: s-maj=19.5km s-min=9.8km az=100.9.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC-P Moment Tensor Solution. s26 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.47±.07 $M_{\theta\theta}$0.37±.18; $M_{\phi\phi}$0.10±.17; $M_{r\theta}$0.27±.12; $M_{\theta\phi}$-0.38±.14; $M_{\phi r}$-0.32±.16; NP1:ϕ_s104.80000°,δ27.70000° ,λ238.80000°. NP2:ϕ_s319.10000°,δ66.60000°,λ-74.80000°. $M_0$2.16000×10^{18}
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=12.6km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.40 $M_{\theta\theta}$1.92 $M_{\phi\phi}$0.48 $M_{r\theta}$0.64 $M_{\theta\phi}$-0.85 $M_{\phi r}$0.09 NP1:ϕ_s287.05000°,δ52.03000°,λ-99.57000°. NP2:ϕ_s122.37000°,δ38.98000° ,λ-77.98000°. Principal axes: T 2.3756,Plg7.0000°,Azm24.0000°; N 0.1352,Plg8.0000° ,Azm293.0000°; P -2.5108,Plg80.0000°,Azm155.0000° $M_0$2.45000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.09 $M_{\theta\theta}$2.77 $M_{\phi\phi}$0.32 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.71 $M_{\phi r}$0.55 NP1: ϕ_s115.70001°,δ43.35818°,λ-74.06415°. NP2:ϕ_s274.25931°,δ48.68698°,λ-104.53449°. Principal axes: T 2.9724,Plg2.7116°,Azm14.4926°; N 0.2506,Plg10.8654°,Azm283.9717° ; P -3.2230,Plg78.7934°,Azm118.3228° $M_0$3.10531×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109030749A. Moment Tensor Solution. s135,c228; s155,c323;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.06±.02 $M_{\theta\theta}$2.68±.02; $M_{\phi\phi}$0.38±.02; $M_{r\theta}$0.58±.07; $M_{\theta\phi}$-0.60±.02; $M_{\phi r}$-0.55±.07; Best double couple: NP1:ϕ_s97.00000° ,δ39.00000°,λ-100.00000°. NP2:ϕ_s291.00000°,δ52.00000°,λ-82.00000°. Principal axes: T 2.9090,Plg7.0000°,Azm15.0000°; N 0.2780,Plg6.0000°,Azm106.0000° ; P -3.1860,Plg81.0000°,Azm239.0000° $M_0$3.04800×10^{17}

(193) Bougainville-Solomon Islands region

ISC	**IX**	**04 18 43 38.5–.21**	**6.42S–.03**	**154.93E–.03**	**59–1**	**5.5b,4.5s**	**1242**	**4-160**
GFZ	IX	04 18 43 33.7	6.33S	154.89E	50	5.3W,4.5s		**¶621035435**
BJI	IX	04 18 43 35.6	6.19S	155.41E	59	5.6b,5.2b		
MOS	IX	04 18 43 37.2–.87	6.34S	154.88E	54	5.8b,4.8s		
GFZ	IX	04 18 43 38.6–.24	6S–2.0	155E–2.0	52–2	5.6b,5.4		
GCMT	IX	04 18 43 39.7–.10	6.62S–.01	154.78E–.01	50–0	5.3W,5.4		
NEIC	IX	04 18 43 39.9–1.4	6.40S–.08	154.92E–.07	61–1	5.5b,5.4		
NEIC	IX	04 18 43 40.3	6.30S	154.92E	50	5.4,5.4		
NEIC	IX	04 18 43 40.1	6.40S	154.92E	62	5.4,5.4		
IDC	IX	04 18 43 41.5–1.6	6.39S	154.89E	80–13	5.5,5.2b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.00 $M_{\theta\phi}$0.54 $M_{\phi r}$0.12 NP1: ϕ_s133.47935°,δ42.76143°,λ83.01040°. NP2:ϕ_s322.95958°,δ47.63110°,λ96.42067°. Principal axes: T 1.0371,Plg84.6655°,Azm291.2296°; N 0.0236,Plg4.7392°,Azm138.6228° ; P -1.0606,Plg2.4432°,Azm48.4201° $M_0$1.04903×10^{17}
MOS Error ellipse: s-maj=6.4km s-min=4.9km az=107.5.
GFZ Error ellipse: s-maj=4.6km s-min=4.2km az=69.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109041843A. Moment Tensor Solution. s130,c219; s132,c222;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.30±.02 $M_{\theta\theta}$-0.73±.01; $M_{\phi\phi}$-0.56±.01; $M_{r\theta}$-0.05±.01; $M_{\theta\phi}$0.75±.01; $M_{\phi r}$-0.02±.01; Best double couple: NP1: ϕ_s134.00000°,δ44.00000°,λ93.00000°. NP2:ϕ_s310.00000°,δ46.00000°,λ87.00000°. Principal axes: T 1.3020,Plg88.0000°,Azm145.0000°; N 0.1040,Plg2.0000°,Azm312.0000° ; P -1.4050,Plg1.0000°,Azm42.0000° $M_0$1.35400×10^{17}
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.0km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$-0.58 $M_{r\theta}$0.04 $M_{\theta\phi}$0.74 $M_{\phi r}$0.02 NP1:ϕ_s313.32000°,δ44.67000° ,λ92.78000°. NP2:ϕ_s129.41000°,δ45.40000°,λ87.26000°. Principal axes: T 1.3530,Plg88.0000°,Azm322.0000°; N 0.0654,Plg2.0000°,Azm131.0000° ; P -1.4184,Plg0.0000°,Azm221.0000° $M_0$1.39000×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=10.4km s-min=8.6km az=105.0.

(210) South of Mariana Islands

ISC	**IX**	**04 23 03 09.5–.47**	**12.22N–.03**	**144.30E–.04**	**15–2**	**5.3b,4.9s**	**845**	**14-168**
IDC	IX	04 23 03 07.5–.44	12.22N	144.30E	0	4.9b,4.9		**¶621035434**
MOS	IX	04 23 03 07.0–.89	12.21N	144.25E	10	5.5b,5.1s		
BJI	IX	04 23 03 07.6	12.29N	144.13E	5	5.3b,5.2s		
NEIC	IX	04 23 03 08.8–1.4	12.27N–.08	144.34E–.10	9–3	5.4b,5.2		
GFZ	IX	04 23 03 09.9	12.21N	144.28E	23	5.3W,5.2		
GFZ	IX	04 23 03 09.9–.19	12N–3.0	144E–4.0	10	5.3,5.2b		
GCMT	IX	04 23 03 13.9–.10	12.03N–.01	144.15E–.01	15–0	5.3W,5.2b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.01 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-0.39 $M_{r\theta}$-0.12 $M_{\theta\phi}$-0.57 $M_{\phi r}$-0.43 NP1: ϕ_s63.73463°,δ36.89849°,λ111.32428°. NP2:ϕ_s217.71542°,δ55.99301°,λ74.72937°. Principal axes: T 1.1341,Plg73.9362°,Azm85.4128°; N 0.0123,Plg12.6111°,Azm226.3973° ; P -1.1464,Plg9.7874°,Azm318.6091° $M_0$1.14033×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109042303A. Moment Tensor Solution. s101,c165; s125,c247;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$-0.50±.01; $M_{\phi\phi}$-0.29±.01; $M_{r\theta}$-0.07±.03; $M_{\theta\phi}$-0.61±.01; $M_{\phi r}$0.36±.03; Best double couple: NP1: ϕ_s252.00000°,δ44.00000°,λ124.00000°. NP2:ϕ_s28.00000°,δ55.00000°,λ61.00000°. Principal axes: T 0.9570,Plg66.0000°,Azm241.0000°; N 0.0800,Plg23.0000°,Azm46.0000° ; P -1.0370,Plg6.0000°,Azm138.0000° $M_0$0.99700×10^{17}

(153) South Sandwich Islands region

ISC	**IX**	**05 05 26 34.0–.25**	**56.74S–.05**	**25.63W–.06**	**8**	**5.4b,5.2s**	**372**	**7-168**
BJI	IX	05 05 26 31.8	56.80S	25.60W	5	5.5b,5.4s		**¶621035477**
IDC	IX	05 05 26 32.3–.39	56.60S	25.38W	0	5.0s,4.9b		
GFZ	IX	05 05 26 35.0	56.71S	25.65W	19	5.5W,4.9b		
GFZ	IX	05 05 26 34.8–.24	57S–4.0	26W–4.0	10	5.5,5.4b		
NEIC	IX	05 05 26 34.6	56.78S	25.68W	15	5.5,5.4b		
ISC-P	IX	05 05 26 35	56.77S	25.66W	8–1	6.1,5.4b		
NEIC	IX	05 05 26 35.3–1.0	56.77S–.09	25.7W–.20	20–4	5.5b,5.2		
NEIC	IX	05 05 26 35.2	56.18S	25.14W	24	5.5,5.2		
MOS	IX	05 05 26 36.8–1.2	56.74S	25.78W	41	5.5b,4.8s		
GCMT	IX	05 05 26 41.0–.10	56.72S–.01	25.22W–.01	18–0	5.5W,4.8s		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.86 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.90 $M_{r\theta}$1.34 $M_{\theta\phi}$0.22 $M_{\phi r}$-0.79 NP1: ϕ_s146.81775°,δ63.92168°,λ64.94002°. NP2:ϕ_s13.58457°,δ35.54666°,λ130.87409°. Principal axes: T 2.6448,Plg62.3966°,Azm16.5474°; N -0.4595,Plg22.3613°,Azm158.4331° ; P -2.1853,Plg15.3366°,Azm254.9111° $M_0$2.44760×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
ISC-P Moment Tensor Solution. s30 Moment tensor: Scale 10^{18}Nm; M_{rr}0.41±.08 $M_{\theta\theta}$0.84±.20; $M_{\phi\phi}$-0.25±.15; $M_{r\theta}$-0.15±.24; $M_{\theta\phi}$0.01±.14; $M_{\phi r}$-0.11±.11; NP1:ϕ_s229.20000°,δ78.30000° ,λ167.10000°. NP2:ϕ_s321.80000°,δ77.30000°,λ12.00000°. $M_0$1.58000×10^{18}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.74 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-2.35 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.55 $M_{\phi r}$1.20 NP1:ϕ_s160.07000°,δ31.00000° ,λ75.30000°. NP2:ϕ_s357.09000°,δ60.12000°,λ98.67000°. Principal axes: T 2.0778,Plg73.0000°,Azm289.0000°; N 0.6822,Plg8.0000°,Azm173.0000° ; P -2.7600,Plg15.0000°,Azm81.0000° $M_0$2.49000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109050526A. Moment Tensor Solution. s130,c229; s136,c277;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.64±.03 $M_{\theta\theta}$0.25±.02; $M_{\phi\phi}$-1.89±.02; $M_{r\theta}$0.09±.05; $M_{\theta\phi}$0.37±.02; $M_{\phi r}$1.19±.05; Best double couple: NP1: ϕ_s160.00000°,δ29.00000°,λ73.00000°. NP2:ϕ_s359.00000°,δ62.00000°,λ99.00000°. Principal axes: T 2.0250,Plg71.0000°,Azm290.0000°; N 0.2720,Plg8.0000°,Azm175.0000° ; P -2.2960,Plg17.0000°,Azm82.0000° $M_0$2.16100×10^{17}

(153) South Sandwich Islands region

ISC	**IX**	**05 09 59 03.9–.21**	**58.66S–.04**	**25.21W–.05**	**28**	**5.3b,5.2s**	**594**	**10-174**
BJI	IX	05 09 59 00.8	58.70S	25.20W	10	5.5s,5.4b		**¶621309532**
PTWC	IX	05 09 59 02	58.60S	25.00W	18	5.8,5.4b		
GFZ	IX	05 09 59 02.3	58.68S	25.16W	30	5.6W,5.4b		
MOS	IX	05 09 59 02.4–.83	58.69S	25.23W	25	5.6b,5.0s		
IPGP	IX	05 09 59 02.0	58.71S	25.17W	33	5.6W,5.0s		
GFZ	IX	05 09 59 03.9–.49	59S–3.0	25W–3.0	24–3	5.4,5.4b		
NEIC	IX	05 09 59 03.9	58.61S	24.62W	30	5.6,5.4b		
NEIC	IX	05 09 59 03.5	58.71S	25.20W	23	5.6,5.4b		
IDC	IX	05 09 59 04.5–1.7	58.60S	25.16W	29–11	5.2,5.1s		
NEIC	IX	05 09 59 04.0–1.4	58.73S–.09	25.2W–.20	27–1	5.3b,5.2		
GCMT	IX	05 09 59 09.0–.10	58.78S–.01	24.43W–.01	29–0	5.6W,5.2		

ISC Event type se.
PTWC SOUTH SANDWICH ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.71 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-2.62 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.73 $M_{\phi r}$-0.88 NP1: ϕ_s179.76748°,δ54.13931°,λ71.34210°. NP2:ϕ_s29.72648°,δ39.83867°,λ113.87355°. Principal axes: T 3.0156,Plg73.1739°,Azm38.3705°; N -0.1158,Plg15.0270°,Azm190.9566° ; P -2.8999,Plg7.3955°,Azm282.9535° $M_0$2.95945×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s216.00000°,δ38.00000°,λ102.00000°. NP2:ϕ_s21.00000° ,δ53.00000°,λ81.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}2.81 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-2.59 $M_{r\theta}$0.79 $M_{\theta\phi}$-0.71 $M_{\phi r}$-0.01 NP1:ϕ_s181.93000°,δ44.65000° ,λ69.79000°. NP2:ϕ_s29.29000°,δ48.74000°,λ108.84000°. Principal axes: T 3.0123,Plg76.0000°,Azm8.0000°; N -0.2141,Plg14.0000°,Azm197.0000° ; P -2.7982,Plg2.0000°,Azm106.0000° $M_0$2.91000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109050959A. Moment Tensor Solution. s129,c243; s134,c257;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.55±.04 $M_{\theta\theta}$0.30±.03; $M_{\phi\phi}$-2.85±.03; $M_{r\theta}$0.50±.06; $M_{\theta\phi}$-1.03±.02; $M_{\phi r}$0.88±.05; Best double couple: NP1: ϕ_s190.00000°,δ36.00000°,λ80.00000°. NP2:ϕ_s22.00000°,δ55.00000°,λ97.00000°. Principal axes: T 2.7370,Plg79.0000°,Azm319.0000°; N 0.5840,Plg6.0000°,Azm198.0000° ; P -3.3210,Plg10.0000°,Azm107.0000° $M_0$3.02900×10^{17}

(263) Talaud Islands

ISC	**IX**	**05 15 23 12.4–.31**	**4.11N–.03**	**126.87E–.05**	**50**	**4.6b,3.8s**	**221**	**1-140**
MAN	IX	05 15 23 05.7	3.68N	127.01E	54	5.6b,4.9s		**¶621035624**
NEIC	IX	05 15 23 13.7–2.0	4.19N–.06	126.86E–.08	61–7	4.6b,4.9s		
GFZ	IX	05 15 23 14.7–.35	4N–4.0	127E–3.0	62	4.7b,4.4		
IDC	IX	05 15 23 14.6–1.3	4.22N	126.97E	70–12	4.3,4.0b		
BJI	IX	05 15 23 17.8	4.50N	126.17E	60	4.8b,4.6b		

ISC Event type fe.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.5km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=19.8km s-min=7.1km az=70.0.

(173) Tonga Islands

ISC	**IX**	**05 17 51 46.1–.31**	**22.03S–.03**	**174.64W–.03**	**20–1**	**6.3s,6.0b**	**1790**	**8-179**
BJI	IX	05 17 51 42.2	22.00S	174.25W	10	6.8b,6.3s		**¶621240957**
IPGP	IX	05 17 51 42.0	22.09S	174.17W	9	6.3W,6.3s		
IDC	IX	05 17 51 43.3–.29	22.00S	174.66W	0	6.1s,5.5b		

MOS IX 05 17 51 43.9–1.2 21.93S 174.78W 10 6.2s,6.1b
ISC-P IX 05 17 51 44 22.01S 174.59W 11–0 6.5,6.1b
NEIC IX 05 17 51 44.9–2.5 22.01S–.07 174.6W–.10 10–1 6.4,6.2
GFZ IX 05 17 51 45.1–.07 22S–2.0 175W–2.0 12 6.6b,6.4
GFZ IX 05 17 51 45.1 21.96S 174.77W 12 6.0W,6.4
NEIC IX 05 17 51 45 22.03S 174.55W 10 6.0W,6.4
NEIC IX 05 17 51 45.1 22.02S 174.54W 10 6.0W,6.4
NEIC IX 05 17 51 48.4 21.93S 173.79W 30 5.9,6.4
PTWC IX 05 17 51 48 21.90S 174.00W 98 6.4,6.4
GCMT IX 05 17 51 49.8–.10 22.11S 174.15W 21–0 6.0W,6.4
NOU IX 05 17 51 51.9 22.03S 174.80W 66 5.9,6.4
ISC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s241.00000°,δ22.00000°,λ123.00000°. NP2:ϕ_s26.00000°,δ71.00000°,λ77.00000°.
IDC Error ellipse: s-maj=11.2km s-min=10.5km az=150.0.
MOS Error ellipse: s-maj=8.1km s-min=6.6km az=102.3.
ISC-P Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}0.29±.12 $M_{\theta\theta}$0.23±.20; $M_{\phi\phi}$-0.63±.16; $M_{r\theta}$0.24±.19; $M_{\theta\phi}$0.41±.17; $M_{\phi r}$0.07±.15; NP1:ϕ_s25.10000°,δ72.80000°,λ122.10000°. NP2:ϕ_s140.40000°,δ36.00000°,λ30.20000°. M_o8.32000×10^{18}
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.8km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.42 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.78 $M_{\phi r}$1.47 NP1:ϕ_s29.64000°,δ69.44000°,λ81.26000°. NP2:ϕ_s233.29000°,δ22.26000°,λ112.06000°. Principal axes: T 2.1833,Plg65.0000°,Azm285.0000°; N 0.0126,Plg8.0000°,Azm33.0000°; P -2.1959,Plg24.0000°,Azm126.0000° M_o2.19000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.56 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.87 $M_{\theta\phi}$-0.29 $M_{\phi r}$0.90 NP1:ϕ_s208.71046°,δ12.69491°,λ75.83228°. NP2:ϕ_s43.21839°,δ77.69737°,λ93.15589°. Principal axes: T 1.3676,Plg57.1917°,Azm317.3384°; N 0.0133,Plg3.0833°,Azm222.5453°; P -1.3809,Plg32.6261°,Azm130.5691° M_o1.37429×10^{18}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}7.69 $M_{\theta\theta}$-2.36 $M_{\phi\phi}$-5.33 $M_{r\theta}$3.92 $M_{\theta\phi}$-1.95 $M_{\phi r}$5.76 NP1:ϕ_s203.62000°,δ22.74000°,λ82.55000°. NP2:ϕ_s31.69000°,δ67.47000°,λ93.11000°. Principal axes: T 10.5865,Plg67.0000°,Azm307.0000°; N -1.4407,Plg3.0000°,Azm210.0000°; P -9.1458,Plg22.0000°,Azm119.0000° M_o9.94000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109051751A. Moment Tensor Solution. s156,c345; s163,c544;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.86±.01 $M_{\theta\theta}$-0.19±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$0.44±.01; $M_{\theta\phi}$-0.53±.00; $M_{\phi r}$0.94±.02; Best double couple: NP1:ϕ_s221.00000°,δ21.00000°,λ104.00000°. NP2:ϕ_s27.00000°,δ69.00000°,λ85.00000°. Principal axes: T 1.3290,Plg65.0000°,Azm288.0000°; N 0.1420,Plg5.0000°,Azm29.0000°; P -1.4700,Plg24.0000°,Azm121.0000° M_o1.39900×10^{18}
NOU Tonga Islands Region.
(259) Mindanao
ISC IX 06 05 42 16.2–2.5 5.23N–.05 126.61E–.06 8–14 4.2b,3.9s 75 1-99
IDC IX 06 05 42 15.4–.69 5.10N 125.69E 0 4.1b,4.1 **¶621094233**
MAN IX 06 05 42 18.4 5.45N 126.60E 1 5.5b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=39.8km s-min=12.8km az=73.0.
MAN Event type fe.
(326) Southwestern Siberia
ISC IX 06 07 47 20.2–.34 53.18N–.02 99.11E–.02 8–2 5.2b,4.7s 991 1-151
ASGSR IX 06 07 47 16.8–.21 53N–2.0 99E–1.0 4 5.9,4.7s **¶621036070**
IDC IX 06 07 47 18.9–.36 53.13N 99.16E 0 4.7b,4.7
BYKL IX 06 07 47 18.8–.21 53.09N 99.08E 4.7b,4.7
BJI IX 06 07 47 19.3 53.11N 99.05E 10 5.6s,5.3b
MOS IX 06 07 47 20.3–1.1 53.10N 99.12E 7 5.3b,4.8s
NEIC IX 06 07 47 20.4–.82 53.16N–.08 99.1E–.10 10–1 5.3,5.2b
GCMT IX 06 07 47 21.9–.10 53.20N–.01 99.23E–.01 25–0 5.3W,5.2b
GFZ IX 06 07 47 21.6–.20 53N–4.0 99E–3.0 10 5.2b,4.9
BGR IX 06 07 47 23.8 52.46N 98.99E 33 5.1b,4.9s
ISC Event type ke.
ASGSR Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=21.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=11.0km s-min=6.2km az=25.0.
BYKL Event type se. FELT I=IV-V MSK at Burungol, Orlik, Khor-Tagna; IV at Mondy, Zima, Sayansk; III-IV at Nizhneudinsk, Angarsk, Irkutsk; III at Baikalsk, Zheleznogorsk-Ilimsky.
MOS Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=25.2. Felt (IV-V) at Orlik, Barangol, Khor-Tagna; (IV) at Zima, Mondy, Sayansk; (III-IV) at Angarsk, Zalary, Irkutsk, Nizhneudinsk, Svirsk; (III) at Baykal'sk, Bratsk, Zheleznogorsk-Ilimskiy. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.4km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109060747A. Moment Tensor Solution. s97,c148; s128,c254;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.00±.02 $M_{\theta\theta}$0.16±.02; $M_{\phi\phi}$-0.15±.02; $M_{r\theta}$0.14±.03; $M_{\theta\phi}$1.03±.01; $M_{\phi r}$-0.02±.02; Best double couple: NP1:ϕ_s4.00000°,δ82.00000°,λ-180.00000°. NP2:ϕ_s274.00000°,δ90.00000°,λ-8.00000°. Principal axes: T 1.0520,Plg5.0000°,Azm320.0000°; N -0.0010,Plg82.0000°,Azm91.0000°; P -1.0510,Plg6.0000°,Azm229.0000° M_o1.05100×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
(153) South Sandwich Islands region
ISC IX 06 08 19 43.1–.32 58.82S–.04 25.43W–.04 33–1 5.4b,5.3s 599 8-174
IDC IX 06 08 19 38.3–.35 58.68S 25.12W 0 5.2b,5.2 **¶622451926**
BJI IX 06 08 19 41.5 58.70S 24.92W 32 5.6s,5.5
MOS IX 06 08 19 41.6–1.0 58.84S 25.36W 30 5.6b,5.1s
NEIC IX 06 08 19 42.3–1.0 58.78S–.08 25.22W–.09 28–1 5.4b,5.3
IPGP IX 06 08 19 43.0 58.82S 25.21W 29 5.7W,5.3
GFZ IX 06 08 19 43.9 58.87S 25.33W 29 5.7W,5.3
GFZ IX 06 08 19 43.9–.41 59S–3.0 25W–3.0 34–3 5.5,5.4b
NEIC IX 06 08 19 43.5 58.81S 25.23W 35 5.5,5.4b
NEIC IX 06 08 19 44.1 58.41S 24.65W 30 5.6,5.4b
GCMT IX 06 08 19 47.9–.10 58.90S–.01 24.50W–.01 30–0 5.7W,5.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IPGP Moment Tensor Solution. NP1:ϕ_s174.00000°,δ38.00000°,λ83.00000°. NP2:ϕ_s2.00000°,δ52.00000°,λ95.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.63 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-3.56 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.19 $M_{\phi r}$2.05 NP1:ϕ_s182.10355°,δ30.13390°,λ88.37048°. NP2:ϕ_s3.98754°,δ59.87955°,λ90.94568°. Principal axes: T 4.1761,Plg75.1019°,Azm276.5892°; N -0.0607,Plg0.8180°,Azm183.5129°; P -4.1154,Plg14.8746°,Azm93.2957° M_o4.14612×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}3.37 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-3.34 $M_{r\theta}$-0.44 $M_{\theta\phi}$-0.23 $M_{\phi r}$0.65 NP1:ϕ_s191.77000°,δ40.32000°,λ102.06000°. NP2:ϕ_s356.12000°,δ50.74000°,λ79.95000°. Principal axes: T 3.4895,Plg81.0000°,Azm217.0000°; N -0.0792,Plg8.0000°,Azm3.0000°; P -3.4103,Plg5.0000°,Azm93.0000° M_o3.45000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109060819A. Moment Tensor Solution. s143,c279; s144,c308;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.63±.04 $M_{\theta\theta}$0.45±.03; $M_{\phi\phi}$-4.08±.03; $M_{r\theta}$0.01±.06; $M_{\theta\phi}$-0.64±.03; $M_{\phi r}$1.45±.06; Best double couple: NP1:ϕ_s191.00000°,δ35.00000°,λ95.00000°. NP2:ϕ_s5.00000°,δ55.00000°,λ86.00000°. Principal axes: T 3.8970,Plg79.0000°,Azm260.0000°; N 0.5300,Plg3.0000°,Azm7.0000°; P -4.4250,Plg10.0000°,Azm97.0000° M_o4.16100×10^{17}
(259) Mindanao
ISC IX 06 10 38 59.2–.33 5.43N–.03 126.72E–.04 58–2 4.9b,4.3s 376 1-162
MAN IX 06 10 38 53.5 5.35N 126.65E 1 5.6b,4.9s **¶621037055**
GFZ IX 06 10 38 54.2–.24 6N–3.0 127E–4.0 10 5.1b,4.8
IDC IX 06 10 38 58.7–1.4 5.54N 126.80E 53–12 4.7,4.4b
NEIC IX 06 10 38 59.1–2.0 5.51N–.06 126.70E–.08 57–6 4.9b,4.4b
BJI IX 06 10 39 00.0 5.50N 126.60E 65 5.0b,5.0b
GCMT IX 06 10 39 01.9–.30 5.56N–.02 126.94E–.02 62–3 5.0W,5.0b
ISC Event type fe.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109061039A. Moment Tensor Solution. s10,c10; s90,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.54±.33 $M_{\theta\theta}$3.72±.17; $M_{\phi\phi}$-1.18±.21; $M_{r\theta}$-0.23±.14; $M_{\theta\phi}$0.39±.12; $M_{\phi r}$1.78±.11; Best double couple: NP1:ϕ_s236.00000°,δ54.00000°,λ-135.00000°. NP2:ϕ_s115.00000°,δ55.00000°,λ-46.00000°. Principal axes: T 3.7520,Plg1.0000°,Azm176.0000°; N 0.0360,Plg35.0000°,Azm266.0000°; P -3.7870,Plg55.0000°,Azm85.0000° M_o3.76900×10^{16}
(259) Mindanao
ISC IX 07 02 29 30.2–.39 5.39N–.03 126.70E–.04 43–3 4.8b,4.1s 429 1-151
MAN IX 07 02 29 26.2 5.29N 126.86E 15 5.6b,4.9s **¶621039493**
BJI IX 07 02 29 28.5 5.08N 126.83E 69 5.1b,4.9b
NEIC IX 07 02 29 31.0–1.6 5.51N–.05 126.71E–.08 44–5 4.9b,4.9b
GCMT IX 07 02 29 31.4–.40 5.39N–.03 126.91E–.02 24–1 5.0W,4.9b
IDC IX 07 02 29 33.0–1.2 5.48N 126.72E 67–10 4.5,4.3b
GFZ IX 07 02 29 33.1–.19 5N–2.0 126E–4.0 63 5.0b,4.9
ISC Event type fe.
MAN Event type fe. INTENSITY I - MALITA DAVAO OCCIDENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109070229A. Moment Tensor Solution. s25,c26; s63,c86; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.28 $M_{\theta\theta}$0.16±.14; $M_{\phi\phi}$-2.81±.17; $M_{r\theta}$1.01±.21; $M_{\theta\phi}$-0.07±.08; $M_{\phi r}$1.93±.20; Best double couple: NP1:ϕ_s166.00000°,δ29.00000°,λ62.00000°. NP2:ϕ_s17.00000°,δ65.00000°,λ104.00000°. Principal axes: T 3.5280,Plg67.0000°,Azm314.0000°; N -0.0650,Plg13.0000°,Azm191.0000°; P -3.4630,Plg18.0000°,Azm96.0000° M_o3.49600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
(181) Fiji Islands region
ISC IX 07 09 49 56.8–.21 19.49S–.04 176.01W–.04 10 5.7b,5.6s 963 6-165
PTWC IX 07 09 49 55 19.40S 175.80W 10 6.3,5.6s **¶621039599**
IDC IX 07 09 49 55.5–.37 19.40S 176.15W 0 5.5s,4.9b
BJI IX 07 09 49 55.7 19.17S 175.93W 9 5.8b,5.7s
ISC-P IX 07 09 49 56 19.39S 176.07W 29–1 6.4,5.7s
NEIC IX 07 09 49 57.0–.96 19.39S–.09 176.07W–.08 10–1 5.9,5.7b
IPGP IX 07 09 49 57.0 19.41S 176.06W 6 6.1W,5.7b
MOS IX 07 09 49 57.1–1.3 19.32S 176.15W 18 5.8s,5.7b
NEIC IX 07 09 49 57.4 19.39S 176.09W 10 5.8s,5.7b
GFZ IX 07 09 49 57.5 19.41S 176.15W 17 6.0W,5.7b
NEIC IX 07 09 49 57.2 19.41S 176.07W 10 6.0W,5.7b
GFZ IX 07 09 49 57.1–.16 19S–3.0 176W–3.0 10 5.6,5.5b
NOU IX 07 09 50 00.6 19.46S 176.17W 30 5.4b,5.5b
GCMT IX 07 09 50 02.3–.10 19.43S 176.02W 13–0 6.0W,5.5b
NEIC IX 07 09 50 03.7 19.39S 175.98W 24 6.0,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=12.5km az=154.0.
ISC-P Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.01±.12 $M_{\theta\theta}$-0.56±.19; $M_{\phi\phi}$0.62±.17; $M_{r\theta}$-0.07±.25; $M_{\theta\phi}$0.21±.15; $M_{\phi r}$-0.32±.12; NP1:ϕ_s299.90000°,δ80.10000°,λ167.40000°. NP2:ϕ_s32.10000°,δ77.60000°,λ10.20000°. M_o4.32000×10^{18}
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.6km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17 $M_{\theta\theta}$-7.82 $M_{\phi\phi}$8.00 $M_{r\theta}$1.03 $M_{\theta\phi}$-1.80 $M_{\phi r}$2.33 NP1:ϕ_s308.01000°,δ73.35000°,λ176.68000°. NP2:ϕ_s38.96000°,δ86.82000°,λ16.67000°. Principal axes: T 8.7473,Plg14.0000°,Azm265.0000°; N -0.5079,Plg73.0000°,Azm49.0000°; P -8.2394,Plg9.0000°,Azm172.0000° M_o8.50000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s215.00000°,δ61.00000°,λ-16.00000°. NP2:ϕ_s313.00000°,δ76.00000°,λ-150.00000°.
MOS Error ellipse: s-maj=7.6km s-min=7.4km az=78.5.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12 $M_{\theta\theta}$-1.05 $M_{\phi\phi}$1.17 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.14 $M_{\phi r}$0.05 NP1:ϕ_s131.53298°,δ87.81749°,λ-174.34765°. NP2:ϕ_s41.31702°,δ84.35176°,λ-2.19317°. Principal axes: T 1.1800,Plg2.4453°,Azm266.3068°; N -0.1149,Plg83.9422°,Azm152.5786°; P -1.0650,Plg5.5390°,Azm356.5441° M_o1.12692×10^{18}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109070949A. Moment Tensor Solution. s157,c335; s168,c577;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07±.01 $M_{\theta\theta}$-1.08±.01; $M_{\phi\phi}$1.15±.01; $M_{r\theta}$-0.06±.01; $M_{\theta\phi}$-0.20±.01; $M_{\phi r}$0.10±.01; Best double couple: NP1:ϕ_s40.00000°,δ85.00000°,λ1.00000°. NP2:ϕ_s310.00000°,δ89.00000°,λ175.00000°. Principal axes: T 1.1760,Plg5.0000°,Azm265.0000°; N -0.0770,Plg84.0000°,Azm118.0000°; P -1.1010,Plg3.0000°,Azm355.0000° M_o1.13900×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s8 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.23 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$1.21 $M_{r\theta}$0.12 $M_{\theta\phi}$-0.09 $M_{\phi r}$0.43 NP1:ϕ_s311.50000°,δ71.01000°,λ177.20000°. NP2:ϕ_s42.41000°,δ87.35000°,λ19.01000°. Principal axes: T 1.3284,Plg15.0000°,Azm269.0000°; N -0.3181,Plg71.0000°,Azm50.0000°; P -1.0103,Plg11.0000°,Azm175.0000° M_o1.20000×10^{18}
(58) Near coast of Guerrero
ISC IX 08 01 47 46.3–.32 16.87N–.02 99.84W–.02 19–1 7.2s,6.2b 3194 0-157
MOS IX 08 01 47 43.6–.87 16.93N 99.75W 12 7.2s,6.5b **¶621041919**
IDC IX 08 01 47 43.5–.46 16.95N 99.65W 0 7.1s,5.7b
BJI IX 08 01 47 45.4 17.10N 99.70W 10 7.7s,7.4b
MEX IX 08 01 47 46.5–1.2 16.76N 99.95W 15 7.1,6.4W
IPGP IX 08 01 47 46.0 16.95N 99.79W 15 7.1W,6.4W
GCG IX 08 01 47 47.7–3.2 16.99N 99.78W 20 6.9,6.4W
NEIC IX 08 01 47 47.4–1.3 16.95N–.05 99.75W–.05 20–1 7.1,7.1
NEIC IX 08 01 47 47.6 17.00N 99.77W 15 7.1,7.1
ISC-P IX 08 01 47 47 16.95N 99.75W 39–0 7.2,7.1
GFZ IX 08 01 47 48.1–.23 17N–2.0 100W–2.0 21–1 7.2b,7.1
GFZ IX 08 01 47 48.1 16.97N 99.74W 22 7.0W,7.1
NEIC IX 08 01 47 48.8 16.99N 99.79W 22 7.0W,7.1
CATAC IX 08 01 47 50.0–.28 17N–2.0 100W–2.0 54–1 8.1,7.0b
GCMT IX 08 01 47 53.7–.00 17.03N 99.76W 22–0 7.0W,7.0b
BGR IX 08 01 47 55.6 17.28N 98.01W 33 7.2,7.2s
NEIC IX 08 01 48 10.9 16.99N 99.37W 16 7.0,7.2s
ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=4.7km az=98.5. Moment Tensor Solution.
IDC Error ellipse: s-maj=13.7km s-min=7.6km az=44.0.
MEX Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=-1.0. Presumed earthquake.
IPGP Moment Tensor Solution. NP1:ϕ_s265.00000°,δ23.00000°,λ62.00000°. NP2:ϕ_s114.00000°,δ69.00000°,λ101.00000°.
GCG Event type se. Error ellipse: s-maj=49.3km s-min=305.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.1km az=209.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.53 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$-0.20 $M_{r\theta}$1.51 $M_{\theta\phi}$1.04 $M_{\phi r}$-0.64 NP1:ϕ_s309.47000°,δ23.92000°,λ103.73000°. NP2:ϕ_s114.50000°,δ66.81000°,λ83.99000°. Principal axes: T 2.1988,Plg68.0000°,Azm13.0000°; N 0.3999,Plg6.0000°,Azm117.0000°; P -2.5987,Plg22.0000°,Azm209.0000° M_o2.42000×10^{19}
NEIC Event type se.
ISC-P Moment Tensor Solution. s32 Moment tensor: Scale 10^{19}Nm; M_{rr}0.57±.18 $M_{\theta\theta}$-0.36±.18; $M_{\phi\phi}$-0.23±.18; $M_{r\theta}$0.27±.12; $M_{\theta\phi}$-0.13±.19; $M_{\phi r}$0.39±.24; NP1:ϕ_s123.40000°,δ57.80000°,λ81.70000°. NP2:ϕ_s318.70000°,δ33.20000°,λ102.90000°. M_o7.08000×10^{19}

GFZ Error ellipse: s-maj=4.5km s-min=3.0km az=65.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}2.06 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-0.32 $M_{r\theta}$3.03 $M_{\theta\phi}$0.65 $M_{\phi r}$-1.77 NP1: ϕ_s118.98271°,δ75.08795°,λ93.85906°. NP2:ϕ_s284.29427°,δ15.39233°,λ75.81679°. Principal axes: T 4.1025,Plg59.7355°,Azm34.4010°; N -0.1065,Plg3.7289°,Azm297.9882° ; P -3.9959,Plg29.9854°,Azm205.8331° $M_0$4.05025×10^{19}
NEIC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=43.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}2.71 $M_{\theta\theta}$-2.16 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.86 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.46 NP1:ϕ_s112.83076° ,δ55.33656°,λ92.57916°. NP2:ϕ_s288.30240°,δ34.74729°,λ86.27664°. Principal axes: T 2.8931,Plg79.4770°,Azm32.8646°; N -0.2951,Plg2.1211°,Azm291.3632° ; P -2.5980,Plg10.3022°,Azm200.9774° $M_0$2.75742×10^{19} Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}2.43 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$-0.53 $M_{r\theta}$0.68 $M_{\theta\phi}$0.74 $M_{\phi r}$-0.41 NP1: ϕ_s115.89338°,δ54.35460°,λ92.60897°. NP2:ϕ_s291.42252°,δ35.72813°,λ86.36806°. Principal axes: T 2.5666,Plg80.4377°,Azm37.0656°; N -0.2150,Plg2.1199°,Azm294.3723° ; P -2.3516,Plg9.3200°,Azm204.0242° $M_0$2.46613×10^{19} Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}2.05 $M_{\theta\theta}$-1.89 $M_{\phi\phi}$-0.16 $M_{r\theta}$4.54 $M_{\theta\phi}$0.61 $M_{\phi r}$-1.70 NP1: ϕ_s110.24028°,δ78.45547°,λ91.09574°. NP2:ϕ_s284.78105°,δ11.59571°,λ84.65154°. Principal axes: T 5.2601,Plg56.5314°,Azm21.6453°; N 0.0251,Plg1.0736°,Azm290.0210° ; P -5.2852,Plg33.4468°,Azm199.3117° $M_0$5.27271×10^{19} Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}2.01 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$-0.06 $M_{r\theta}$9.51 $M_{\theta\phi}$0.53 $M_{\phi r}$-1.49 NP1: ϕ_s99.03917°,δ84.02574°,λ88.76281°. NP2:ϕ_s290.76141°,δ6.10057°,λ101.65767°. Principal axes: T 9.8147,Plg50.9593°,Azm7.6502°; N 0.0633,Plg1.2305°,Azm99.1680° ; P -9.8780,Plg39.0136°,Azm190.1651° $M_0$9.84654×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109080147A. Moment Tensor Solution. s165,c449; s162,c825;Duration: 7$\hat{s}$4 Moment tensor: Scale 10^{19}Nm; M_{rr}2.23±.01 $M_{\theta\theta}$-2.01±.01; $M_{\phi\phi}$-0.22±.01; $M_{r\theta}$2.34±.02; $M_{\theta\phi}$0.65±.01; $M_{\phi r}$-1.36±.02; Best double couple: NP1:ϕ_s279.00000°,δ20.00000°,λ73.00000°. NP2:ϕ_s117.00000°,δ70.00000°,λ96.00000°. Principal axes: T 3.5370,Plg64.0000°,Azm37.0000°; N -0.0720,Plg6.0000°,Azm295.0000° ; P -3.4700,Plg25.0000°,Azm202.0000° $M_0$3.50400×10^{19}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 15$\hat{s}$7 Moment tensor: Scale 10^{19}Nm; M_{rr}2.34 $M_{\theta\theta}$-2.17 $M_{\phi\phi}$-0.17 $M_{r\theta}$2.45 $M_{\theta\phi}$0.44 $M_{\phi r}$-1.03 NP1:ϕ_s274.68000°,δ21.02000° ,λ75.77000°. NP2:ϕ_s109.89000°,δ69.66000°,λ95.40000°. Principal axes: T 3.5775,Plg65.0000°,Azm29.0000°; N -0.1202,Plg5.0000°,Azm288.0000° ; P -3.4574,Plg24.0000°,Azm196.0000° $M_0$3.52000×10^{19}

(211) Southeast of Honshu

ISC	**IX**	**08 02 31 58.1–.45**	**30.61N–.04**	**141.90E–.08**	**23**	**4.5b**	**108**	**3-149**
IDC	IX	08 02 31 54.6–.53	30.49N	141.89E	0	5.7s,4.1b		**¶621105757**
JMA	IX	08 02 31 56.3–.22	30.7N–.80	142E–2.0	27	4.6,4.1b		
NEIC	IX	08 02 31 57.4–1.2	30.62N–.06	141.9E–.10	14–4	4.6b,4.1b		

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(715) Tajikistan

ISC	**IX**	**08 05 20 02.1–.20**	**38.06N–.02**	**73.17E–.02**	**21–2**	**5.3b,5.1s**	**1331**	**2-153**
BGR	IX	08 05 19 58.1	36.76N	73.56E	33	5.4b,5.1s		**¶621041967**
IDC	IX	08 05 19 58.6–.36	38.04N	73.20E	0	5.1b,5.1		
NNC	IX	08 05 19 58.1–2.1	37.99N	72.97E	0	6.2,6.0b		
BJI	IX	08 05 20 00.8	38.05N	73.30E	10	5.6b,5.5s		
GCMT	IX	08 05 20 03.9–.30	38.17N–.02	73.07E–.02	27–1	5.5W,5.5s		
MOS	IX	08 05 20 04.3–1.0	38.16N	73.24E	47	5.5b,5.1s		
NEIC	IX	08 05 20 04.3–2.1	38.12N–.04	73.22E–.07	35–1	5.4b,5.4		
NEIC	IX	08 05 20 05.3	38.15N	73.21E	43	5.4b,5.4		
PTWC	IX	08 05 20 05	38.10N	73.20E		5.4,5.4		
GFZ	IX	08 05 20 06.8–.26	38N–2.0	73E–1.0	54–2	5.8b,5.5W		

ISC Event type ke.
BGR Event type ke.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109080520A. Moment Tensor Solution. s8,c9; s120,c187; Duration: 1$\hat{s}$4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.15 $M_{\theta\theta}$-2.38±.09; $M_{\phi\phi}$2.53±.10; $M_{r\theta}$-0.51±.20; $M_{\theta\phi}$-0.45±.07; $M_{\phi r}$0.67±.17; Best double couple: NP1:ϕ_s40.00000°,δ72.00000° ,λ2.00000°. NP2:ϕ_s310.00000°,δ88.00000°,λ162.00000°. Principal axes: T 2.7500,Plg14.0000°,Azm264.0000°; N -0.2340,Plg72.0000°,Azm124.0000° ; P -2.5100,Plg11.0000°,Azm356.0000° $M_0$2.63000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.18 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$1.59 $M_{r\theta}$0.51 $M_{\theta\phi}$0.13 $M_{\phi r}$0.05 NP1:ϕ_s225.65000°,δ77.89000°,λ-16.12000°. NP2:ϕ_s319.12000°,δ74.25000° ,λ-167.41000°. Principal axes: T 1.5980,Plg2.0000°,Azm273.0000°; N -0.0036,Plg70.0000° ,Azm10.0000°; P -1.5944,Plg20.0000°,Azm182.0000° $M_0$1.60000×10^{17}
NEIC Event type se.
PTWC TAJIKISTAN-XINJIANG BORDER REGION.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(686) West Chile Rise

ISC	**IX**	**08 15 34 00.5–.42**	**38.08S–.08**	**93.77W–.07**	**25**	**4.9b**	**161**	**13-171**
IDC	IX	08 15 33 57.0–.49	38.16S	93.85W	0	4.4b,4.4		**¶621043293**
NEIC	IX	08 15 33 58.1–1.2	38.2S–.10	93.8W–.20	10–1	4.9b,4.4		
GFZ	IX	08 15 33 59.2–.47	38S–5.0	94W–5.0	10	5.6b,5.5		
GCMT	IX	08 15 34 01.8–.30	38.03S–.03	93.80W–.02	22–0	5.2W,5.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109081533A. Moment Tensor Solution. s46,c57; s95,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.91±.34 $M_{\theta\theta}$0.67±.21; $M_{\phi\phi}$6.25±.25; $M_{r\theta}$2.96±.37; $M_{\theta\phi}$-0.60±.17; $M_{\phi r}$-0.44±.36; Best double couple: NP1:ϕ_s191.00000°,δ44.00000° ,λ-63.00000°. NP2:ϕ_s335.00000°,δ51.00000°,λ-114.00000°. Principal axes: T 6.3600,Plg4.0000°,Azm82.0000°; N 1.5810,Plg19.0000°,Azm351.0000° ; P -7.9330,Plg71.0000°,Azm183.0000° $M_0$7.14600×10^{16}

(686) West Chile Rise

ISC	**IX**	**08 15 37 19.1–.37**	**38.18S–.07**	**93.89W–.07**	**25**	**4.8b,4.7s**	**180**	**13-172**
IDC	IX	08 15 37 15.6–.49	38.18S	93.85W	0	4.6s,4.4b		**¶621043294**
NEIC	IX	08 15 37 17.2–1.3	38.2S–.10	93.9W–.20	10–1	4.9b,4.4b		
GFZ	IX	08 15 37 17.7	38.16S	93.90W	10	5.3W,4.4b		
GFZ	IX	08 15 37 17.8–.25	38S–3.0	94W–3.0	10	5.8,5.7		
GCMT	IX	08 15 37 19.2–.10	38.16S–.01	93.82W–.01	12	5.3W,5.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07 $M_{\theta\theta}$0.04 $M_{\phi\phi}$1.03 $M_{r\theta}$0.20 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.48 NP1: ϕ_s191.02704°,δ33.56988°,λ-74.05735°. NP2:ϕ_s352.10303°,δ57.88060°,λ-100.33077°. Principal axes: T 1.1291,Plg12.3106°,Azm89.5605°; N 0.0736,Plg8.7360°,Azm357.6388° ; P -1.2027,Plg74.8244°,Azm233.1297° $M_0$1.16766×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109081537A. Moment Tensor Solution. s92,c150; s148,c273;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.16±.01 $M_{\theta\theta}$-0.02±.01; $M_{\phi\phi}$1.18±.01; $M_{r\theta}$0.24±.04; $M_{\theta\phi}$0.02±.01; $M_{\phi r}$-0.30±.04; Best double couple: NP1: ϕ_s192.00000°,δ39.00000°,λ-72.00000°. NP2:ϕ_s350.00000°,δ53.00000°,λ-104.00000°. Principal axes: T 1.2190,Plg7.0000°,Azm89.0000°; N 0.0310,Plg11.0000°,Azm358.0000° ; P -1.2460,Plg77.0000°,Azm213.0000° $M_0$1.23200×10^{17}

(686) West Chile Rise

ISC	**IX**	**08 16 37 26.9–.22**	**38.19S–.05**	**93.92W–.04**	**10**	**5.5b,5.1s**	**685**	**13-174**
IDC	IX	08 16 37 24.9–.37	38.24S	93.69W	0	5.0s,4.9b		**¶621043295**
MOS	IX	08 16 37 26.1–1.1	38.19S	93.77W	10	5.6b,5.0s		
NEIC	IX	08 16 37 27.8	38.15S	93.84W	10	5.6b,5.0s		
NEIC	IX	08 16 37 27.4–1.6	38.16S–.09	93.88W–.03	10–1	5.5b,5.1		
GFZ	IX	08 16 37 28.2	38.14S	93.91W	12	5.6W,5.1		
GFZ	IX	08 16 37 28.6–.39	38S–3.0	94W–5.0	10	5.8b,5.7		
GCMT	IX	08 16 37 29.5–.10	38.19S–.01	93.79W–.01	12	5.5W,5.7		
PTWC	IX	08 16 37 29	37.20S	93.60W	10	5.9,5.7		
NEIC	IX	08 16 37 34.3	37.95S	93.71W	12	5.5,5.7		

ISC Event type se.
IDC Error ellipse: s-maj=13.4km s-min=12.5km az=147.0.
MOS Error ellipse: s-maj=11.3km s-min=7.9km az=89.8.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=4.2km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.03 $M_{\theta\theta}$0.61 $M_{\phi\phi}$2.42 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.12 $M_{\phi r}$-1.25 NP1: ϕ_s182.90059°,δ32.64081°,λ-91.66098°. NP2:ϕ_s4.87287°,δ57.37461°,λ-88.93636°. Principal axes: T 2.7047,Plg12.3686°,Azm94.1029°; N 0.6024,Plg0.8958°,Azm184.2994° ; P -3.3070,Plg77.5980°,Azm278.3768° $M_0$3.05078×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109081637A. Moment Tensor Solution. s124,c205; s157,c330;Duration: 1$\hat{s}$4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.37±.02 $M_{\theta\theta}$-0.01±.02; $M_{\phi\phi}$2.37±.02; $M_{r\theta}$0.33±.07; $M_{\theta\phi}$0.04±.02; $M_{\phi r}$-0.91±.06; Best double couple: NP1: ϕ_s188.00000°,δ35.00000°,λ-78.00000°. NP2:ϕ_s353.00000°,δ56.00000°,λ-99.00000°. Principal axes: T 2.5390,Plg11.0000°,Azm89.0000°; N 0.0360,Plg7.0000°,Azm358.0000° ; P -2.5800,Plg77.0000°,Azm235.0000° $M_0$2.55900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.30 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$2.38 $M_{r\theta}$-0.27 $M_{\theta\phi}$0.18 $M_{\phi r}$0.80 NP1:ϕ_s11.85000°,δ36.30000° ,λ-77.46000°. NP2:ϕ_s176.42000°,δ54.70000°,λ-99.06000°. Principal axes: T 2.5198,Plg9.0000°,Azm273.0000°; N -0.0512,Plg7.0000°,Azm182.0000° ; P -2.4686,Plg78.0000°,Azm54.0000° $M_0$2.49000×10^{17}

(686) West Chile Rise

ISC	**IX**	**08 21 17 33.8–.35**	**38.18S–.07**	**93.81W–.07**	**10**	**4.8b,4.4s**	**265**	**13-174**
IDC	IX	08 21 17 32.4–.50	38.18S	93.78W	0	4.6b,4.6		**¶621044100**
NEIC	IX	08 21 17 34.3–1.3	38.24S–.07	93.6W–.10	10–1	5.2,4.9b		
GFZ	IX	08 21 17 35.0	38.17S	93.96W	10	5.1W,4.9b		
GFZ	IX	08 21 17 35.0–.26	38S–3.0	94W–4.0	10	5.7b,5.3		
GCMT	IX	08 21 17 36.6–.10	38.24S–.01	93.82W–.01	12	5.1W,5.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.96 $M_{\theta\theta}$0.21 $M_{\phi\phi}$4.75 $M_{r\theta}$-0.93 $M_{\theta\phi}$1.06 $M_{\phi r}$-2.28 NP1: ϕ_s188.15332°,δ32.15540°,λ-97.32499°. NP2:ϕ_s16.78698°,δ58.13808°,λ-85.41750°. Principal axes: T 5.5435,Plg13.0252°,Azm103.4628°; N 0.0053,Plg3.8909°,Azm194.3643° ; P -5.5488,Plg76.3864°,Azm300.6747° $M_0$5.54612×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109082117A. Moment Tensor Solution. s79,c105; s131,c210;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.20±.08 $M_{\theta\theta}$0.22±.08; $M_{\phi\phi}$4.99±.08; $M_{r\theta}$1.33±.27; $M_{\theta\phi}$0.47±.07; $M_{\phi r}$-2.47±.24; Best double couple: NP1: ϕ_s198.00000°,δ34.00000°,λ-67.00000°. NP2:ϕ_s351.00000°,δ59.00000°,λ-105.00000°. Principal axes: T 5.5620,Plg13.0000°,Azm92.0000°; N 0.5230,Plg13.0000°,Azm359.0000° ; P -6.0790,Plg72.0000°,Azm226.0000° $M_0$5.82100×10^{16}

(686) West Chile Rise

ISC	**IX**	**08 22 49 15.7–.48**	**38.15S–.08**	**93.96W–.09**	**25**	**4.8b**	**140**	**13-171**
IDC	IX	08 22 49 11.9–.58	38.21S	93.95W	0	4.4b,4.4		**¶621049358**
NEIC	IX	08 22 49 13.7–1.2	38.2S–.10	93.9W–.20	10–1	4.8b,4.4		
GFZ	IX	08 22 49 14.2–.27	38S–4.0	94W–4.0	10	6.8b,6.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(686) West Chile Rise

ISC	**IX**	**08 23 13 49.7–.35**	**38.16S–.07**	**93.80W–.07**	**25**	**4.9b,4.6s**	**207**	**13-174**
IDC	IX	08 23 13 46.3–.48	38.25S	93.85W	0	4.5s,4.4b		**¶621044106**
NEIC	IX	08 23 13 47.7–1.5	38.2S–.10	93.9W–.10	10–1	4.9b,4.4b		
GFZ	IX	08 23 13 47.7–.47	38S–5.0	94W–6.0	10	5.8b,5.6		
NEIC	IX	08 23 13 48.1	38.15S	94.04W	10	5.8b,5.6		
GCMT	IX	08 23 13 49.4–.10	38.27S–.01	93.85W–.01	12	5.3W,5.6		
GFZ	IX	08 23 13 49.0	38.17S	93.99W	10	5.3W,5.6		
NEIC	IX	08 23 13 54.1	37.95S	93.78W	12	5.3,5.6		

ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=15.8km az=92.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=15.8km az=34.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109082313A. Moment Tensor Solution. s98,c150; s142,c261;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$0.02±.01; $M_{\phi\phi}$0.95±.01; $M_{r\theta}$0.17±.04; $M_{\theta\phi}$-0.31±.01; $M_{\phi r}$-0.10±.03; Best double couple: NP1: ϕ_s172.00000°,δ42.00000°,λ-78.00000°. NP2:ϕ_s335.00000°,δ50.00000°,λ-101.00000°. Principal axes: T 1.0600,Plg4.0000°,Azm73.0000°; N -0.0540,Plg8.0000°,Azm342.0000° ; P -1.0060,Plg81.0000°,Azm190.0000° $M_0$1.03300×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-9.79 $M_{\theta\theta}$1.95 $M_{\phi\phi}$7.84 $M_{r\theta}$0.45 $M_{\theta\phi}$-1.82 $M_{\phi r}$-3.74 NP1: ϕ_s161.70963°,δ33.90001°,λ-94.57382°. NP2:ϕ_s347.21491°,δ56.22251°,λ-86.93271°. Principal axes: T 9.0954,Plg11.1733°,Azm75.0046°; N 1.4567,Plg2.5492°,Azm165.5085° ; P -10.5520,Plg78.5322°,Azm268.1857° $M_0$9.90436×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$0.90 $M_{r\theta}$0.01 $M_{\theta\phi}$-0.26 $M_{\phi r}$0.73 NP1:ϕ_s333.64000°,δ27.02000° ,λ-109.87000°. NP2:ϕ_s175.72000°,δ64.70000°,λ-80.16000°. Principal axes: T 1.2111,Plg19.0000°,Azm258.0000°; N -0.0982,Plg9.0000°,Azm351.0000° ; P -1.1129,Plg69.0000°,Azm105.0000° $M_0$1.17000×10^{17}

(686) West Chile Rise

ISC	**IX**	**08 23 48 46.5–.33**	**38.19S–.06**	**93.85W–.06**	**25**	**5.0b,4.6s**	**308**	**13-174**
IDC	IX	08 23 48 43.0–.45	38.28S	93.76W	0	4.6b,4.6		**¶621044107**
NEIC	IX	08 23 48 44.8–1.1	38.20S–.08	93.7W–.10	10–1	5.1b,4.6		
GFZ	IX	08 23 48 44.3–.47	38S–4.0	94W–6.0	10	5.6b,5.6		
NEIC	IX	08 23 48 45.4	38.15S	93.80W	10	5.6b,5.6		
NEIC	IX	08 23 48 45.9	38.15S	93.92W	12	5.4,5.6		
GFZ	IX	08 23 48 45.4	38.23S	94.04W	10	5.2W,5.6		
GCMT	IX	08 23 48 46.1–.10	38.31S–.01	93.79W–.01	12	5.3W,5.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.89 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$0.90 $M_{r\theta}$-0.74 $M_{\theta\phi}$-0.22 $M_{\phi r}$0.67 NP1:ϕ_s5.92000°,δ26.91000° ,λ-50.78000°. NP2:ϕ_s143.45000°,δ69.47000°,λ-107.80000°. Principal axes: T 1.2916,Plg22.0000°,Azm247.0000°; N 0.1206,Plg17.0000°,Azm150.0000° ; P -1.4122,Plg61.0000°,Azm27.0000° $M_0$1.36000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-9.50 $M_{\theta\theta}$1.25 $M_{\phi\phi}$8.25 $M_{r\theta}$0.38 $M_{\theta\phi}$-1.66 $M_{\phi r}$-2.62 NP1: ϕ_s166.30212°,δ36.89264°,λ-91.73403°. NP2:ϕ_s348.46993°,δ53.12705°,λ-88.69882°. Principal axes: T 8.9983,Plg8.1186°,Azm77.5406°; N 0.8810,Plg1.0409°,Azm167.6891° ; P -9.8793,Plg81.8140°,Azm264.9449° $M_0$9.46956×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109082348A. Moment Tensor Solution. s92,c134; s148,c271;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04±.01 $M_{\theta\theta}$0.07±.01; $M_{\phi\phi}$0.96±.01; $M_{r\theta}$0.18±.04; $M_{\theta\phi}$-0.29±.01; $M_{\phi r}$-0.18±.04; Best double couple: NP1:

ϕ_s170.00000°,δ39.00000°,λ-80.00000°. NP2:ϕ_s337.00000°,δ51.00000°,λ-98.00000°.
Principal axes: T 1.0740,Plg6.0000°,Azm73.0000°; N 0.0010,Plg6.0000°,Azm342.0000°
; P -1.0780,Plg81.0000°,Azm206.0000° $M_0$1.07600×10^{17}

(686) West Chile Rise

ISC	**IX**	**09 00 35 30.9–.45**	**38.23S–.08**	**93.81W–.08**	**10**	**4.6b,4.2s**	**105**	**13-171**
IDC	IX	09 00 35 30.1–.57	38.28S	93.78W	0	4.4,4.3b		**¶621049364**
NEIC	IX	09 00 35 31.3–1.1	38.28S–.10	93.7W–.10	10–1	4.6b,4.3b		
GFZ	IX	09 00 35 32.1–.33	38S–5.0	94W–5.0	10	6.6b,6.5		
GCMT	IX	09 00 35 34.0–.20	38.30S–.03	93.79W–.02	12	5.0W,6.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090035A. Moment Tensor Solution. s34,c42; s103,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.41±.08 $M_{\theta\theta}$0.44±.08; $M_{\phi\phi}$2.97±.08; $M_{r\theta}$0.20±.43; $M_{\theta\phi}$-0.88±.07; $M_{\phi r}$-0.53±.30; Best double couple: NP1:ϕ_s163.00000°,δ40.00000° ,λ-89.00000°. NP2:ϕ_s342.00000°,δ50.00000°,λ-91.00000°. Principal axes: T 3.2950,Plg5.0000°,Azm72.0000°; N 0.1660,Plg0.0000°,Azm342.0000° ; P -3.4570,Plg85.0000°,Azm247.0000° $M_0$3.37600×10^{16}

(686) West Chile Rise

ISC	**IX**	**09 01 12 10.7–.39**	**38.27S–.09**	**93.93W–.07**	**10**	**4.8b,4.4s**	**176**	**13-173**
IDC	IX	09 01 12 09.6–.51	38.37S	93.77W	0	4.4b,4.4		**¶621044109**
NEIC	IX	09 01 12 10.3–1.2	38.4S–.10	93.7W–.20	10–1	4.9b,4.4		
GFZ	IX	09 01 12 10.9–.32	38S–4.0	94W–5.0	10	6.6b,6.4		
GFZ	IX	09 01 12 11.7	38.27S	94.05W	10	5.1W,6.4		
GCMT	IX	09 01 12 12.9–.20	38.31S–.01	93.79W–.01	12	5.2W,6.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.20 $M_{\theta\theta}$1.69 $M_{\phi\phi}$4.51 $M_{r\theta}$0.86 $M_{\theta\phi}$-1.01 $M_{\phi r}$-2.94 NP1: ϕ_s161.77180°,δ30.48021°,λ-90.94190°. NP2:ϕ_s342.86470°,δ59.52435°,λ-89.44566°. Principal axes: T 5.6234,Plg14.5227°,Azm72.4598°; N 1.3676,Plg0.4778°,Azm162.5836° ; P -6.9910,Plg75.4691°,Azm254.4271° $M_0$6.41743×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090112A. Moment Tensor Solution. s71,c92; s134,c233; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.33±.10 $M_{\theta\theta}$0.71±.09; $M_{\phi\phi}$5.62±.10; $M_{r\theta}$1.41±.35; $M_{\theta\phi}$-2.12±.08; $M_{\phi r}$-0.88±.31; Best double couple: NP1:ϕ_s168.00000°,δ40.00000° ,λ-76.00000°. NP2:ϕ_s331.00000°,δ52.00000°,λ-101.00000°. Principal axes: T 6.5460,Plg6.0000°,Azm69.0000°; N 0.0760,Plg9.0000°,Azm338.0000° ; P -6.6210,Plg80.0000°,Azm193.0000° $M_0$6.58300×10^{16}

(196) Irian Jaya region

ISC	**IX**	**09 02 16 32.8–.29**	**4.04S–.03**	**134.89E–.04**	**23**	**5.0b,4.4s**	**282**	**3-151**
IDC	IX	09 02 16 29.2–.45	3.94S	134.89E	0	5.0L,4.7		**¶621044110**
GFZ	IX	09 02 16 31.4–.24	4S–3.0	135E–3.0	10	5.5b,5.5L		
NEIC	IX	09 02 16 32.6–1.2	3.96S–.05	134.93E–.06	16–4	5.0b,5.5L		
GCMT	IX	09 02 16 32.4–.10	3.92S–.01	135.07E–.01	17–0	5.2W,5.5L		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090216A. Moment Tensor Solution. s83,c103; s133,c217;Duration: 1ꜱ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.01 $M_{\theta\theta}$-0.71±.01; $M_{\phi\phi}$0.79±.02; $M_{r\theta}$0.22±.04; $M_{\theta\phi}$-0.17±.01; $M_{\phi r}$0.15±.04; Best double couple: NP1: ϕ_s310.00000°,δ71.00000°,λ-173.00000°. NP2:ϕ_s217.00000°,δ83.00000°,λ-19.00000°. Principal axes: T 0.8330,Plg8.0000°,Azm265.0000°; N -0.0240,Plg70.0000°,Azm18.0000° ; P -0.8080,Plg18.0000°,Azm172.0000° $M_0$0.82100×10^{17}

(153) South Sandwich Islands region

ISC	**IX**	**09 03 47 13.0–.21**	**58.62S–.05**	**25.04W–.05**	**28**	**5.3b,5.0s**	**390**	**8-174**
IDC	IX	09 03 47 08.0–.34	58.45S	25.01W	0	5.1L,5.1b		**¶621240968**
GFZ	IX	09 03 47 10.5–.28	59S–5.0	25W–5.0	10	5.7b,5.6		
MOS	IX	09 03 47 12.1–1.3	58.70S	25.30W	28	5.4b,5.6		
NEIC	IX	09 03 47 14.5–.92	58.70S–.09	25.1W–.20	44–5	5.3,5.3b		
GCMT	IX	09 03 47 18.5–.10	58.74S–.01	24.59W–.02	29–0	5.4W,5.3b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090347A. Moment Tensor Solution. s104,c168; s134,c241;Duration: 1ꜱ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$0.32±.02; $M_{\phi\phi}$-1.11±.02; $M_{r\theta}$-0.40±.03; $M_{\theta\phi}$0.01±.01; $M_{\phi r}$1.18±.04; Best double couple: NP1: ϕ_s202.00000°,δ22.00000°,λ127.00000°. NP2:ϕ_s343.00000°,δ72.00000°,λ76.00000°. Principal axes: T 1.4710,Plg60.0000°,Azm233.0000°; N 0.2230,Plg13.0000°,Azm347.0000° ; P -1.6910,Plg26.0000°,Azm84.0000° $M_0$1.58100×10^{17}

(211) Southeast of Honshu

ISC	**IX**	**09 04 11 51.4–.48**	**29.33N–.03**	**142.12E–.04**	**24–2**	**5.5b,5.3s**	**1014**	**2-163**
BJI	IX	09 04 11 48.7	29.40N	142.08E	25	5.5s,5.4		**¶621044113**
GFZ	IX	09 04 11 48.9–.32	29N–3.0	142E–4.0	10	5.8b,5.5b		
NIED	IX	09 04 11 49.9	29.41N	142.36E	40	5.6W,5.5b		
JMA	IX	09 04 11 49.9–.17	29.4N–.50	142E–3.0	40	5.6,5.4W		
GFZ	IX	09 04 11 49.4	29.33N	142.19E	12	5.3W,5.4W		
NEIC	IX	09 04 11 49.8–1.1	29.36N–.05	142.18E–.09	10–1	5.6b,5.4		
IDC	IX	09 04 11 50.9–2.4	29.25N	142.12E	20–14	5.3,5.2b		
KEA	IX	09 04 11 50.0	30.97N	143.89E	33	5.1s,5.2b		
MOS	IX	09 04 11 51.3–.85	29.35N	142.07E	32	5.7b,5.3s		
GCMT	IX	09 04 11 53.8–.10	29.35N–.01	142.29E–.01	21–0	5.4W,5.3s		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99 $M_{\theta\theta}$0.21 $M_{\phi\phi}$-1.21 $M_{r\theta}$-0.05 $M_{\theta\phi}$0.45 $M_{\phi r}$2.64 NP1:ϕ_s143.00000°,δ14.00000°,λ55.00000°. NP2:ϕ_s358.00000° ,δ79.00000°,λ98.00000°. $M_0$2.90000×10^{17}
JMA Event type ke. NEAR TORISHIMA IS .
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.54 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-0.71 $M_{r\theta}$0.06 $M_{\theta\phi}$0.19 $M_{\phi r}$0.76 NP1: ϕ_s148.04415°,δ23.13755°,λ57.59210°. NP2:ϕ_s2.66305°,δ70.62551°,λ102.89912°. Principal axes: T 0.9236,Plg62.2277°,Azm292.4648°; N 0.1648,Plg12.1571°,Azm178.3184° ; P -1.0884,Plg24.5605°,Azm82.6685° $M_0$1.01611×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090411A. Moment Tensor Solution. s105,c187; s133,c245;Duration: 1ꜱ2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.03 $M_{\theta\theta}$-0.01±.02; $M_{\phi\phi}$-1.12±.02; $M_{r\theta}$-0.13±.03; $M_{\theta\phi}$0.49±.01; $M_{\phi r}$1.13±.04; Best double couple: NP1: ϕ_s147.00000°,δ25.00000°,λ69.00000°. NP2:ϕ_s350.00000°,δ67.00000°,λ99.00000°. Principal axes: T 1.6030,Plg67.0000°,Azm277.0000°; N 0.1340,Plg8.0000°,Azm166.0000° ; P -1.7330,Plg21.0000°,Azm73.0000° $M_0$1.66800×10^{17}

(153) South Sandwich Islands region

ISC	**IX**	**09 04 37 03.8–.28**	**58.63S–.06**	**25.07W–.06**	**28**	**5.0b,4.3s**	**229**	**8-155**
IDC	IX	09 04 36 59.3–.41	58.52S	25.15W	0	4.7b,4.7		**¶621044114**
GFZ	IX	09 04 37 01.6–.22	59S–4.0	25W–4.0	10	5.7b,5.2		
NEIC	IX	09 04 37 01.8–1.4	58.64S–.09	25.0W–.20	10–1	5.1b,5.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region

ISC	**IX**	**09 04 59 43.4–.51**	**19.36S–.04**	**176.33W–.04**	**11–2**	**5.5s,5.5b**	**663**	**5-165**
IDC	IX	09 04 59 41.8–.38	19.29S	176.47W	0	5.3s,4.8b		**¶621240969**
MOS	IX	09 04 59 42.4–1.2	19.31S	176.52W	10	5.6b,5.5s		
BJI	IX	09 04 59 42.5	18.87S	176.13W	5	5.7b,5.5s		
NEIC	IX	09 04 59 43.5	19.25S	176.41W	10	5.7b,5.5s		
GFZ	IX	09 04 59 43.4	19.40S	176.35W	15	5.8W,5.5s		
NEIC	IX	09 04 59 43.5	19.25S	176.41W	10	5.8W,5.5s		
GFZ	IX	09 04 59 43.4–.12	19S–3.0	176W–2.0	10	5.9,5.9b		
NEIC	IX	09 04 59 43.4–1.7	19.24S–.08	176.4W–.10	10–1	5.8,5.6		
NOU	IX	09 04 59 43.1	19.58S	176.24W	13	5.4b,5.6		
GCMT	IX	09 04 59 47.9–.10	19.22S	176.32W	14–0	5.8W,5.6		
NEIC	IX	09 04 59 48.9	19.45S	176.20W	22	5.8,5.6		

ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=11.3km az=146.0.
MOS Error ellipse: s-maj=9.1km s-min=7.9km az=135.9.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.12 $M_{\theta\theta}$-3.11 $M_{\phi\phi}$4.23 $M_{r\theta}$0.08 $M_{\theta\phi}$-4.10 $M_{\phi r}$0.48 NP1: ϕ_s290.90328°,δ84.85944°,λ-179.39557°. NP2:ϕ_s200.84912°,δ89.39800°,λ-5.14084°. Principal axes: T 6.0882,Plg3.2060°,Azm245.9900°; N -1.1196,Plg84.8241°,Azm14.1880° ; P -4.9686,Plg4.0591°,Azm155.7622° $M_0$5.61281×10^{17}
NEIC Event type se.
GFZ Error ellipse: s-maj=7.0km s-min=5.1km az=165.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=12.8km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.09 $M_{\theta\theta}$-5.49 $M_{\phi\phi}$3.40 $M_{r\theta}$-1.57 $M_{\theta\phi}$-2.99 $M_{\phi r}$1.44 NP1:ϕ_s293.54000°,δ74.81000°,λ152.59000°. NP2:ϕ_s31.28000°,δ63.63000° ,λ17.00000°. Principal axes: T 5.3685,Plg30.0000°,Azm250.0000°; N 1.1749,Plg59.0000° ,Azm87.0000°; P -6.5434,Plg7.0000°,Azm344.0000° $M_0$6.04000×10^{17}
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109090459A. Moment Tensor Solution. s145,c303; s163,c511;Duration: 1ꜱ9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.80±.04 $M_{\theta\theta}$-3.70±.04; $M_{\phi\phi}$4.49±.04; $M_{r\theta}$-0.63±.08; $M_{\theta\phi}$-4.53±.04; $M_{\phi r}$0.30±.07; Best double couple: NP1:ϕ_s21.00000°,δ83.00000°,λ-1.00000°. NP2:ϕ_s111.00000°,δ89.00000°,λ-173.00000°. Principal axes: T 6.5410,Plg4.0000°,Azm246.0000°; N -0.7920,Plg83.0000°,Azm118.0000° ; P -5.7540,Plg5.0000°,Azm336.0000° $M_0$6.14700×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3ꜱ1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45 $M_{\theta\theta}$-4.44 $M_{\phi\phi}$4.89 $M_{r\theta}$-2.04 $M_{\theta\phi}$-4.20 $M_{\phi r}$1.74 NP1:ϕ_s24.97000°,δ68.20000° ,λ3.06000°. NP2:ϕ_s293.83000°,δ87.16000°,λ158.17000°. Principal axes: T 7.2386,Plg17.0000°,Azm247.0000°; N -0.8828,Plg68.0000°,Azm107.0000° ; P -6.3559,Plg13.0000°,Azm341.0000° $M_0$6.84000×10^{17}

(740) Owen Fracture Zone region

ISC	**IX**	**09 06 40 42.5–.56**	**12.96N–.08**	**57.55E–.06**	**17**	**4.5b,4.0s**	**175**	**5-94**
OMAN	IX	09 06 40 26.2–.67	11.82N	57.80E	10	4.5b,3.6s		**¶621044118**
IDC	IX	09 06 40 38.0–1.1	12.73N	57.38E	0	4.1b,4.1		
NEIC	IX	09 06 40 42.1–1.2	13.0N–.10	57.56E–.10	10–1	4.6b,4.1		
GFZ	IX	09 06 40 43.1–.38	13N–6.0	57E–5.0	10	5.5b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(686) West Chile Rise

ISC	**IX**	**09 06 42 47.3–.35**	**38.21S–.06**	**93.82W–.06**	**10**	**5.1b,4.4s**	**333**	**13-174**
IDC	IX	09 06 42 46.1–.49	38.31S	93.80W	0	4.7b,4.7		**¶621044119**
NEIC	IX	09 06 42 47.7–1.5	38.22S–.10	93.7W–.10	10–1	5.1b,4.7		
GFZ	IX	09 06 42 48.8–.21	38S–3.0	94W–3.0	10	6.2,6.2		
GCMT	IX	09 06 42 50.5–.20	38.34S–.01	93.73W–.02	12–1	5.1W,6.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090642A. Moment Tensor Solution. s46,c57; s116,c184; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.31±.23 $M_{\theta\theta}$0.64±.15; $M_{\phi\phi}$2.68±.16; $M_{r\theta}$-0.45±.39; $M_{\theta\phi}$-4.26±.10; $M_{\phi r}$-2.79±.48; Best double couple: NP1:ϕ_s108.00000° ,δ46.00000°,λ-146.00000°. NP2:ϕ_s353.00000°,δ66.00000°,λ-49.00000°. Principal axes: T 6.4330,Plg12.0000°,Azm54.0000°; N -1.1200,Plg37.0000°,Azm153.0000° ; P -5.3080,Plg51.0000°,Azm310.0000° $M_0$5.87000×10^{16}

(686) West Chile Rise

ISC	**IX**	**09 11 52 31.0–.62**	**38.0S–.10**	**94.0W–.10**	**10**	**4.5b,3.8s**	**50**	**13-172**
IDC	IX	09 11 52 29.1–.74	38.04S	93.88W	0	4.3b,4.2		**¶621049360**
GFZ	IX	09 11 52 31.0–.34	38S–5.0	94W–5.0	10	7.8,7.7b		
NEIC	IX	09 11 52 31.2–.80	38.1S–.10	93.9W–.20	10–1	4.5b,7.7b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**IX**	**09 12 58 57.5–.28**	**59.32S–.07**	**25.27W–.06**	**10**	**5.0b,4.2s**	**221**	**8-158**
IDC	IX	09 12 58 56.1–.41	59.27S	25.28W	0	5.0L,4.8b		**¶621049361**
GFZ	IX	09 12 58 57.9–.20	59S–5.0	25W–4.0	10	6.0b,5.6		
NEIC	IX	09 12 58 57.6–2.0	59.35S–.09	25.3W–.20	10–1	5.1b,5.6		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(686) West Chile Rise

ISC	**IX**	**09 16 27 23.1–.61**	**37.93S–.10**	**93.86W–.09**	**10**	**4.5b,3.8s**	**91**	**13-162**
IDC	IX	09 16 27 21.9–.69	37.95S	94.01W	0	4.4b,4.4		**¶621049366**
GFZ	IX	09 16 27 22.1–.54	38S–5.0	94W–6.0	10	7.6,7.5b		
NEIC	IX	09 16 27 24.4–1.9	38.0S–.10	93.7W–.20	10–1	4.6b,7.5b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(10) Unimak Island region

ISC	**IX**	**09 19 23 25.8–.56**	**53.56N–.04**	**163.55W–.03**	**19–1**	**5.0b,4.5s**	**796**	**1-154**
BJI	IX	09 19 23 22.0	53.60N	163.60W	20	5.2b,5.1b		**¶621049470**
IDC	IX	09 19 23 23.8–.65	53.73N	163.76W	0	4.7b,4.7		
NEIC	IX	09 19 23 24.0–1.8	53.47N–.05	163.53W–.06	10–4	5.1b,4.9		
NEIC	IX	09 19 23 24	53.47N	163.53W	10	5.1b,4.9		
AEIC	IX	09 19 23 24.6–1.8	53.42N–.04	163.50W–.07	18–4	5.1b,4.9		
NEIC	IX	09 19 23 25.6	53.49N	163.53W	22	5.1b,4.9		
GFZ	IX	09 19 23 28.2–.33	54N–4.0	164W–2.0	29–2	6.0,5.9		
GCMT	IX	09 19 23 28.4–.20	53.41N–.01	163.66W–.02	16–0	5.1W,5.9		
NEIC	IX	09 19 23 31.1	53.29N	163.53W	18	5.1,5.9		
BGR	IX	09 19 23 32.1	53.97N	163.99W	33	5.1b,5.9		

ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=7.9km az=166.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.8km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.97 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-0.67 $M_{r\theta}$2.02 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.93 NP1:ϕ_s191.41000°,δ19.13000°,λ40.21000°. NP2:ϕ_s62.79000°,δ77.78000° ,λ104.84000°. Principal axes: T 2.4741,Plg55.0000°,Azm351.0000°; N 0.1060,Plg14.0000° ,Azm240.0000°; P -2.5802,Plg31.0000°,Azm141.0000° $M_0$2.53000×10^{16}
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=117.0. hypocenter. manual.
NEIC Event type se.
GFZ Error ellipse: s-maj=8.4km s-min=4.3km az=175.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109091923A. Moment Tensor Solution. s67,c103; s112,c198;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.12 $M_{\theta\theta}$-2.29±.09; $M_{\phi\phi}$-1.02±.08; $M_{r\theta}$4.26±.33; $M_{\theta\phi}$-1.87±.05; $M_{\phi r}$0.90±.22; Best double couple: NP1: ϕ_s217.00000°,δ22.00000°,λ56.00000°. NP2:ϕ_s73.00000°,δ71.00000°,λ103.00000°.

Principal axes: T 5.6090,Plg61.0000°,Azm2.0000°; N -0.0720,Plg12.0000°,Azm248.0000° ; P -5.5380,Plg25.0000°,Azm153.0000° $M_0$5.57300×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}2.38 $M_{\theta\theta}$-2.34 $M_{\phi\phi}$-0.04 $M_{r\theta}$3.15 $M_{\theta\phi}$-1.77 $M_{\phi r}$2.47 NP1:ϕ_s256.03000°,δ18.87000° ,λ112.50000°. NP2:ϕ_s52.39000°,δ72.61000°,λ82.55000°. Principal axes: T 4.5021,Plg62.0000°,Azm311.0000°; N 0.8371,Plg7.0000°,Azm55.0000° ; P -5.3393,Plg27.0000°,Azm148.0000° $M_0$4.97000×10^{16}
BGR Event type ke.

(92) Leeward Islands

ISC	**IX**	**10 00 43 18.2–.44**	**16.85N–.02**	**61.16W–.04**	**42–4**	**5.0b,3.8s**	**526**	**1-170**
CATAC	IX	10 00 43 15.6–.75	17N–3.0	61W–5.0	3–3	5.9b,5.9b		**¶621051053**
PTWC	IX	10 00 43 15	16.90N	61.00W		4.9,5.9b		
TRN	IX	10 00 43 15.5	16.84N	61.19W	16	5.4,5.9b		
GFZ	IX	10 00 43 18.2–.71	17N–5.0	61W–8.0	46–4	5.4b,5.4L		
NEIC	IX	10 00 43 18.9–1.2	16.81N–.04	61.14W–.07	41–6	5.0b,4.8		
IDC	IX	10 00 43 19.4–1.0	16.80N	61.16W	55–10	4.5,4.2b		
NEIC	IX	10 00 43 19.2	16.82N	61.15W	44	4.5,4.2b		
GCMT	IX	10 00 43 20.4–.40	16.83N–.03	60.85W–.02	44–1	4.8W,4.2b		

ISC Event type ke.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
TRN South-east of Antigua. Felt in Antigua MMI IV, Montserrat IV, V.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.45 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-1.12 $M_{r\theta}$-0.62 $M_{\theta\phi}$0.50 $M_{\phi r}$1.26 NP1:ϕ_s333.99000°,δ67.49000°,λ89.96000°. NP2:ϕ_s154.10000°,δ22.51000° ,λ90.10000°. Principal axes: T 2.0271,Plg68.0000°,Azm244.0000°; N -0.0825,Plg0.0000° ,Azm334.0000°; P -1.9446,Plg22.0000°,Azm64.0000° $M_0$1.99000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109100043A. Moment Tensor Solution. s37,c45; s59,c86; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.90±.13 $M_{\theta\theta}$-0.13±.08; $M_{\phi\phi}$-1.76±.09; $M_{r\theta}$-0.70±.07; $M_{\theta\phi}$0.50±.08; $M_{\phi r}$0.87±.07; Best double couple: NP1:ϕ_s175.00000°,δ32.00000° ,λ109.00000°. NP2:ϕ_s333.00000°,δ60.00000°,λ79.00000°. Principal axes: T 2.2410,Plg72.0000°,Azm216.0000°; N -0.0660,Plg10.0000°,Azm339.0000° ; P -2.1670,Plg14.0000°,Azm71.0000° $M_0$2.20400×10^{16}

(243) Taiwan region

ISC	**IX**	**10 05 45 02.1–.70**	**23.82N–.02**	**122.11E–.02**	**32–5**	**4.6b,3.7s**	**399**	**0-96**
BJI	IX	10 05 44 59.8	23.89N	122.06E	16	4.4b,4.4b		**¶621051061**
JMA	IX	10 05 45 02.9–.09	23.8N–.50	122.1E–.50	37–2	4.9,4.3		
NEIC	IX	10 05 45 02.9–1.2	23.839N–.01	122.09E–.03	33–5	4.7b,4.3		
TAP	IX	10 05 45 03.5	23.86N	122.06E	45–0	4.8L,4.3		
GFZ	IX	10 05 45 03.2–.18	24N–2.0	122E–3.0	44	5.6b,5.1		
IDC	IX	10 05 45 03.6–2.4	23.93N	122.19E	47–23	4.7L,4.4		

ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=1.2km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP B.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=15.3km s-min=12.1km az=59.0.

(153) South Sandwich Islands region

ISC	**IX**	**10 17 07 17.1–.48**	**60.52S–.05**	**26.66W–.05**	**19–1**	**5.5b,5.2s**	**510**	**8-165**
IDC	IX	10 17 07 14.8–.34	60.43S	26.68W	0	5.3L,5.1b		**¶621059033**
NEIC	IX	10 17 07 15.4–1.7	60.55S–.08	26.6W–.20	10–1	5.6b,5.2		
MOS	IX	10 17 07 15.4–2.3	60.50S	26.60W	10	5.5b,5.2s		
NEIC	IX	10 17 07 15.5	60.59S	26.58W	10	5.5b,5.2s		
NEIC	IX	10 17 07 15.9	60.39S	25.56W	20	5.5,5.2s		
BJI	IX	10 17 07 16.6	60.50S	26.50W	10	5.4s,5.4b		
GFZ	IX	10 17 07 21.4	60.50S	26.57W	33	5.6W,5.4b		
GFZ	IX	10 17 07 21.4–.26	60S–3.0	27W–2.0	44–2	6.2b,5.9		
GCMT	IX	10 17 07 22.5–.10	60.79S–.01	25.80W–.01	12–0	5.5W,5.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.37 $M_{\theta\theta}$0.02 $M_{\phi\phi}$1.34 $M_{r\theta}$-0.33 $M_{\theta\phi}$1.18 $M_{\phi r}$0.96 NP1:ϕ_s59.15000°,δ42.48000° ,λ-43.01000°. NP2:ϕ_s183.67000°,δ62.57000°,λ-123.81000°. Principal axes: T 2.1696,Plg11.0000°,Azm297.0000°; N -0.2276,Plg30.0000°,Azm201.0000° ; P -1.9420,Plg58.0000°,Azm46.0000° $M_0$2.07000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77 $M_{\theta\theta}$0.11 $M_{\phi\phi}$1.66 $M_{r\theta}$0.02 $M_{\theta\phi}$1.61 $M_{\phi r}$1.98 NP1: ϕ_s188.06681°,δ68.45004°,λ-115.91789°. NP2:ϕ_s60.98302°,δ33.22245°,λ-42.09882°. Principal axes: T 3.2674,Plg19.3781°,Azm297.1914°; N -0.4258,Plg23.9870°,Azm198.1875° ; P -2.8416,Plg58.3489°,Azm61.9822° $M_0$3.07665×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109101707A. Moment Tensor Solution. s116,c191; s143,c258;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.02 $M_{\theta\theta}$-0.67±.02; $M_{\phi\phi}$1.09±.02; $M_{r\theta}$0.04±.05; $M_{\theta\phi}$1.62±.02; $M_{\phi r}$0.18±.05; Best double couple: NP1:ϕ_s76.00000° ,δ85.00000°,λ1.00000°. NP2:ϕ_s346.00000°,δ89.00000°,λ175.00000°. Principal axes: T 2.0650,Plg4.0000°,Azm301.0000°; N -0.4250,Plg85.0000°,Azm152.0000° ; P -1.6390,Plg2.0000°,Azm31.0000° $M_0$1.85200×10^{17}

(186) Vanuatu Islands

ISC	**IX**	**10 17 45 17.1–.51**	**14.63S–.03**	**167.91E–.04**	**12–2**	**5.3b,4.7s**	**576**	**1-167**
IDC	IX	10 17 45 15.7–.37	14.59S	167.78E	0	4.8b,4.8		**¶621240977**
MOS	IX	10 17 45 16.6–1.8	14.70S	167.80E	10	5.5b,4.8s		
NEIC	IX	10 17 45 16.6–1.9	14.70S–.04	167.81E–.05	7–3	5.3b,4.8s		
NOU	IX	10 17 45 16.0	14.60S	167.93E	3	5.2b,4.8s		
BJI	IX	10 17 45 16.2	14.17S	167.79E	5	5.6b,5.2b		
NEIC	IX	10 17 45 17	14.72S	167.79E	9	5.6b,5.2b		
NEIC	IX	10 17 45 17.6	14.52S	167.89E	12	5.3,5.2b		
GFZ	IX	10 17 45 17.6	14.60S	167.88E	10	5.2W,5.2b		
GFZ	IX	10 17 45 19.5–.28	15S–4.0	168E–4.0	10	5.7b,5.2		
GCMT	IX	10 17 45 20.1–.10	14.57S–.01	167.78E–.01	12	5.2W,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.65 $M_{\theta\phi}$0.47 $M_{\phi r}$-0.40 NP1:ϕ_s334.06000°,δ24.27000° ,λ116.46000°. NP2:ϕ_s125.43000°,δ68.41000°,λ78.64000°. Principal axes: T 1.0184,Plg65.0000°,Azm16.0000°; N 0.0961,Plg11.0000°,Azm130.0000° ; P -1.1145,Plg23.0000°,Azm224.0000° $M_0$1.07000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}7.05 $M_{\theta\theta}$-3.23 $M_{\phi\phi}$-3.82 $M_{r\theta}$1.89 $M_{\theta\phi}$3.23 $M_{\phi r}$-0.79 NP1: ϕ_s131.11343°,δ52.87825°,λ82.22186°. NP2:ϕ_s323.86649°,δ37.81273°,λ100.13777°. Principal axes: T 3.3928,Plg80.1887°,Azm6.9473°; N -0.3740,Plg6.1950°,Azm135.8260° ; P -7.0188,Plg7.5783°,Azm226.6535° $M_0$7.21304×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109101745A. Moment Tensor Solution. s55,c75; s108,c186; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.02 $M_{\theta\theta}$-0.19±.01; $M_{\phi\phi}$-0.50±.01; $M_{r\theta}$0.15±.04; $M_{\theta\phi}$0.54±.01; $M_{\phi r}$-0.03±.04; Best double couple: NP1:ϕ_s334.00000°,δ42.00000° ,λ106.00000°. NP2:ϕ_s133.00000°,δ50.00000°,λ76.00000°. Principal axes: T 0.7240,Plg78.0000°,Azm343.0000°; N 0.1900,Plg11.0000°,Azm142.0000° ; P -0.9140,Plg4.0000°,Azm233.0000° $M_0$0.81900×10^{17}

(703) Andaman Islands region

ISC	**IX**	**11 03 20 17.5–.34**	**14.03N–.03**	**92.94E–.04**	**20–1**	**5.0b,4.1s**	**763**	**1-165**
MOS	IX	11 03 20 14.5–.90	14.04N	92.95E	13	5.1b,4.1s		**¶621069028**
IDC	IX	11 03 20 14.4–.37	14.04N	92.94E	0	4.7b,4.6		
BJI	IX	11 03 20 17.8	14.10N	93.00E	10	5.0b,4.7b		
NEIC	IX	11 03 20 17.2–1.8	14.11N–.04	92.99E–.07	10–1	5.2b,4.7b		
GFZ	IX	11 03 20 18.9–.21	14N–2.0	93E–2.0	30–1	5.9,5.8		
BKK	IX	11 03 20 19.3–.60	14N–3.0	93E–6.0	10	5.0b,5.0L		
BGR	IX	11 03 20 20.8	14.03N	92.81E	31–1	4.7b,4.1s		
NDI	IX	11 03 20 20.4–2.7	14.03N	92.72E	10	4.7b,4.6L		
GCMT	IX	11 03 20 21.6–.40	14.05N–.03	92.63E–.03	22–1	4.9W,4.6L		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
NDI Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109110320A. Moment Tensor Solution. s25,c31; s65,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.90±.18 $M_{\theta\theta}$1.27±.12; $M_{\phi\phi}$0.62±.12; $M_{r\theta}$1.54±.21; $M_{\theta\phi}$1.45±.09; $M_{\phi r}$0.64±.21; Best double couple: NP1:ϕ_s36.00000°,δ28.00000° ,λ-114.00000°. NP2:ϕ_s243.00000°,δ64.00000°,λ-78.00000°. Principal axes: T 2.9660,Plg18.0000°,Azm324.0000°; N -0.4430,Plg11.0000°,Azm58.0000° ; P -2.5260,Plg68.0000°,Azm177.0000° $M_0$2.74600×10^{16}

(686) West Chile Rise

ISC	**IX**	**11 09 22 03.1–.69**	**38.5S–.10**	**92.59W–.09**	**10**	**4.8b**	**116**	**12-166**
IDC	IX	11 09 22 02.9–1.5	38.42S	92.51W	0	4.2b,4.2		**¶621069778**
NEIC	IX	11 09 22 03.1–.95	38.49S–.07	92.6W–.10	10–1	4.9b,4.2		
GFZ	IX	11 09 22 04.9–.41	38S–6.0	92W–4.0	10	5.9b,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(153) South Sandwich Islands region

ISC	**IX**	**11 09 23 04.0–.28**	**59.60S–.04**	**26.45W–.04**	**45–2**	**5.4b,5.0s**	**635**	**9-177**
MOS	IX	11 09 23 01.5–.86	59.56S	26.30W	33	5.5b,5.0s		**¶621069779**
BJI	IX	11 09 23 02.0	59.60S	26.40W	38	5.5b,5.4s		
NEIC	IX	11 09 23 03.7–1.1	59.61S–.08	26.4W–.20	41–6	5.4b,5.0		
GFZ	IX	11 09 23 04.5	59.63S	26.46W	45	5.4W,5.0		
GFZ	IX	11 09 23 04.5–.49	60S–4.0	26W–3.0	38–4	5.9b,5.5		
NEIC	IX	11 09 23 05.6	59.63S	26.42W	56	5.9b,5.5		
IDC	IX	11 09 23 05.5–1.4	59.58S	26.50W	56–11	5.2,5.0b		
NEIC	IX	11 09 23 06	59.83S	25.63W	46	5.5,5.0b		
GCMT	IX	11 09 23 08.5–.10	59.89S–.01	25.75W–.01	49–0	5.5W,5.0b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-1.38 $M_{r\theta}$-0.61 $M_{\theta\phi}$-0.76 $M_{\phi r}$0.41 NP1: ϕ_s228.19463°,δ48.47380°,λ126.68482°. NP2:ϕ_s359.86129°,δ53.10360°,λ55.99521°. Principal axes: T 1.7645,Plg63.2923°,Azm208.2319°; N -0.0398,Plg26.5677°,Azm21.9106° ; P -1.7247,Plg2.5367°,Azm113.1800° $M_0$1.74494×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.70 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-1.73 $M_{r\theta}$-0.20 $M_{\theta\phi}$-0.80 $M_{\phi r}$0.28 NP1:ϕ_s212.46000°,δ43.28000° ,λ106.49000°. NP2:ϕ_s10.33000°,δ48.90000°,λ75.03000°. Principal axes: T 1.7699,Plg78.0000°,Azm215.0000°; N 0.2760,Plg11.0000°,Azm20.0000° ; P -2.0459,Plg3.0000°,Azm111.0000° $M_0$1.92000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109110923A. Moment Tensor Solution. s130,c223; s144,c266;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.62±.03 $M_{\theta\theta}$0.16±.03; $M_{\phi\phi}$-1.78±.02; $M_{r\theta}$-0.46±.02; $M_{\theta\phi}$-0.91±.02; $M_{\phi r}$0.47±.02; Best double couple: NP1: ϕ_s224.00000°,δ46.00000°,λ124.00000°. NP2:ϕ_s0.00000°,δ54.00000°,λ61.00000°. Principal axes: T 1.8980,Plg66.0000°,Azm210.0000°; N 0.2640,Plg23.0000°,Azm19.0000° ; P -2.1620,Plg4.0000°,Azm111.0000° $M_0$2.03000×10^{17}

(686) West Chile Rise

ISC	**IX**	**11 10 56 02.0–.59**	**38.16S–.09**	**93.98W–.09**	**25**	**4.5b,4.1s**	**90**	**13-147**
GFZ	IX	11 10 55 57.7–.44	38S–4.0	94W–6.0	10	5.7b,5.3		**¶621069786**
IDC	IX	11 10 55 59.1–1.0	38.18S	93.82W	0	4.4,4.2b		
NEIC	IX	11 10 56 00.3–.96	38.2S–.10	94.0W–.20	10–1	4.6b,4.2b		
GCMT	IX	11 10 56 03.8–.50	38.16S–.04	94.06W–.04	23–1	5.0W,4.2b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109111056A. Moment Tensor Solution. s21,c21; s77,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.13±.28 $M_{\theta\theta}$1.47±.16; $M_{\phi\phi}$1.66±.20; $M_{r\theta}$0.24±.23; $M_{\theta\phi}$-1.42±.10; $M_{\phi r}$1.59±.29; Best double couple: NP1:ϕ_s301.00000°,δ38.00000° ,λ-118.00000°. NP2:ϕ_s156.00000°,δ57.00000°,λ-70.00000°. Principal axes: T 3.1620,Plg10.0000°,Azm231.0000°; N 0.5310,Plg17.0000°,Azm324.0000° ; P -3.6930,Plg70.0000°,Azm112.0000° $M_0$3.42700×10^{16}

(121) Off coast of northern Chile

ISC	**IX**	**11 12 26 14.1–.61**	**18.44S–.04**	**71.39W–.06**	**22–5**	**4.3b**	**151**	**1-158**
GFZ	IX	11 12 26 08.8–.68	18S–4.0	72W–5.0	22–3	6.3b,6.0		**¶621069788**
IDC	IX	11 12 26 11.7–.69	18.44S	71.46W	0	4.0b,4.0		
VAO	IX	11 12 26 14.0–1.4	18.34S	71.53W	35	4.6b,4.0		
SJA	IX	11 12 26 15.0–.77	18.54S	71.36W	24–6	4.2W,4.0L		
NEIC	IX	11 12 26 16.7–1.6	18.47S–.04	71.35W–.06	35–1	4.4b,4.0L		
GUC	IX	11 12 26 17.3–.75	18.43S	71.33W	34–4	4.1L,4.0L		

ISC Event type se.
GFZ Error ellipse: s-maj=11.3km s-min=7.1km az=112.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=20.2km s-min=16.8km az=147.0.
VAO Event type se. Error ellipse: s-maj=5.9km s-min=14.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=5.9km s-min=5.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.8km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=3.7km az=-1.0. Presumed earthquake.

(259) Mindanao

ISC	**IX**	**11 20 14 35.5–1.3**	**5.42N–.04**	**126.59E–.05**	**32–10**	**4.5b,3.8s**	**128**	**1-122**
MAN	IX	11 20 14 29.8	5.31N	126.76E	1	5.5b,4.8s		**¶621108600**
IDC	IX	11 20 14 30.5–.63	5.81N	127.03E	0	4.2,4.1L		
NEIC	IX	11 20 14 36.8–1.8	5.53N–.06	126.58E–.09	41–7	4.6b,4.1L		

ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(184) Santa Cruz Islands

ISC	**IX**	**12 02 57 40.7–.28**	**12.61S–.03**	**166.24E–.04**	**34–0**	**5.2b,4.9s**	**836**	**3-169**
IDC	IX	12 02 57 35.2–.37	12.59S	166.31E	0	5.0b,5.0		**¶621070397**
BJI	IX	12 02 57 40.8	12.15S	166.35E	37	5.7b,5.2s		
MOS	IX	12 02 57 40.3–1.1	12.51S	166.00E	33	5.8b,5.1s		
GFZ	IX	12 02 57 41.4	12.59S	166.20E	22	5.4W,5.1s		
GFZ	IX	12 02 57 41.4–.24	13S–3.0	166E–3.0	38–1	6.2,5.9L		
NOU	IX	12 02 57 42.0	12.61S	166.00E	39	5.2b,5.9L		
NEIC	IX	12 02 57 42.2–2.1	12.57S–.06	166.20E–.09	43–5	5.4,5.2b		
GCMT	IX	12 02 57 43.0–.10	12.52S–.01	165.98E	13–0	5.4W,5.2b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.45 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-1.24 $M_{r\theta}$0.53 $M_{\theta\phi}$0.15 $M_{\phi r}$-0.12 NP1: ϕ_s155.77467°,δ51.42838°,λ69.98710°. NP2:ϕ_s6.06683°,δ42.72496°,λ113.22620°. Principal axes: T 1.6032,Plg73.8074°,Azm5.5732°; N -0.3236,Plg15.5195°,Azm168.5691° ; P -1.2796,Plg4.5069°,Azm259.8233° $M_0$1.46837×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NOU Santa Cruz Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109120257A. Moment Tensor Solution. s135,c244; s138,c260;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.02 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$-1.23±.01; $M_{r\theta}$0.29±.03; $M_{\theta\phi}$0.22±.01; $M_{\phi r}$-0.89±.04; Best double couple: NP1: ϕ_s356.00000°,δ27.00000°,λ100.00000°. NP2:ϕ_s165.00000°,δ64.00000°,λ85.00000°. Principal axes: T 1.5410,Plg71.0000°,Azm65.0000°; N 0.0410,Plg4.0000°,Azm167.0000° ; P -1.5770,Plg18.0000°,Azm259.0000° $M_0$1.55900×10^{17}

(154) South Shetland Islands

ISC	**IX**	**12 03 58 21.1–.37**	**62.30S–.05**	**57.91W–.07**	**10**	**4.5b,4.0s**	**105**	**1-158**
IDC	IX	12 03 58 19.7–.55	62.28S	57.63W	0	4.2L,4.1b	**¶621070430**	
NEIC	IX	12 03 58 21.4–2.4	62.36S–.06	58.0W–.10	10–1	4.8b,4.1b		
GFZ	IX	12 03 58 22.8–.19	62S–3.0	58W–5.0	10	5.7b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(10) Unimak Island region

ISC	**IX**	**12 17 03 10.2–2.8**	**53.43N–.05**	**163.53W–.03**	**13–17**	**4.8b,4.1s**	**402**	**1-159**
IDC	IX	12 17 03 09.0–.63	53.60N	163.70W	0	4.4b,4.4	**¶621070698**	
NEIC	IX	12 17 03 09.7–1.6	53.41N–.04	163.56W–.06	10–1	4.7b,4.5L		
BJI	IX	12 17 03 09.8	53.77N	164.18W	10	5.1b,4.9s		
GFZ	IX	12 17 03 10.5–.23	53N–5.0	163W–3.0	10	6.0,6.0		
AEIC	IX	12 17 03 12.0–1.5	53.41N–.05	163.51W–.06	12–4	6.0,6.0		
GCMT	IX	12 17 03 14.1–.50	53.57N–.05	163.39W–.05	22–1	4.8W,6.0		
BGR	IX	12 17 03 24.7	55.15N	166.58W	33	4.8b,4.1s		

ISC Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=10.3km az=173.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.4km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.5km az=179.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109121703A. Moment Tensor Solution. s20,c20; s61,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.97±.21 $M_{\theta\theta}$-0.86±.15; $M_{\phi\phi}$-1.11±.12; $M_{r\theta}$-0.12±.23; $M_{\theta\phi}$-0.75±.06; $M_{\phi r}$1.32±.18; Best double couple: NP1:ϕ_s234.00000°,δ33.00000° ,λ120.00000°. NP2:ϕ_s19.00000°,δ62.00000°,λ72.00000°. Principal axes: T 2.5000,Plg68.0000°,Azm253.0000°; N -0.5070,Plg16.0000°,Azm28.0000° ; P -1.9940,Plg15.0000°,Azm122.0000° $M_0$2.24700×10^{16}
BGR Event type ke.

(210) South of Mariana Islands

ISC	**IX**	**12 22 57 02.5–.37**	**12.26N–.05**	**144.05E–.07**	**10**	**4.7b,4.4s**	**162**	**2-149**
IDC	IX	12 22 57 00.6–.53	12.29N	144.14E	0	4.5b,4.5	**¶621070911**	
NEIC	IX	12 22 57 03.0–1.7	12.27N–.07	144.0E–.10	10–1	4.7b,4.5		
DJA	IX	12 22 57 03.4–2.2	12N–5.0	144E–5.0	20–15	5.7b,5.2		
GCMT	IX	12 22 57 08.7–.20	12.05N–.02	144.00E–.02	17–0	5.0W,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109122257A. Moment Tensor Solution. s53,c76; s99,c171; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.38±.17 $M_{\theta\theta}$-1.92±.11; $M_{\phi\phi}$-1.46±.11; $M_{r\theta}$0.16±.27; $M_{\theta\phi}$-2.34±.08; $M_{\phi r}$1.90±.28; Best double couple: NP1:ϕ_s248.00000°,δ38.00000° ,λ123.00000°. NP2:ϕ_s29.00000°,δ59.00000°,λ67.00000°. Principal axes: T 4.1080,Plg68.0000°,Azm252.0000°; N 0.1980,Plg19.0000°,Azm41.0000° ; P -4.3070,Plg11.0000°,Azm135.0000° $M_0$4.20800×10^{16}

(244) Taiwan

ISC	**IX**	**13 10 41 28.0–.28**	**24.10N–.02**	**121.05E–.02**	**54–2**	**4.9b,4.0s**	**751**	**0-125**
BJI	IX	13 10 41 26.3	24.12N	121.01E	36	5.1b,4.6L	**¶621071761**	
TAP	IX	13 10 41 27.7	24.12N	121.01E	46–0	5.6L,4.6L		
NIED	IX	13 10 41 27.6	24.12N	121.04E	51	5.0W,4.6L		
ASIES	IX	13 10 41 27.5	24.12N	121.02E	47	4.8W,4.6L		
JMA	IX	13 10 41 27.6–.09	24.1N–.20	121.0E–.60	51–1	5.3,4.9		
IDC	IX	13 10 41 27.3–.53	23.93N	121.31E	55–3	4.3,4.0b		
GFZ	IX	13 10 41 28.3–.23	24N–3.0	121E–3.0	43–3	5.7b,5.2		
NEIC	IX	13 10 41 28.3–2.6	24.12N–.04	121.05E–.06	52–5	4.9b,5.2		
GCMT	IX	13 10 41 30.3–.30	24.14N–.02	121.05E–.02	51–2	5.0W,5.2		

ISC Event type ke.
TAP B.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.88 $M_{\theta\theta}$2.16 $M_{\phi\phi}$-3.04 $M_{r\theta}$-1.56 $M_{\theta\phi}$1.92 $M_{\phi r}$-0.01 NP1:ϕ_s203.00000°,δ65.00000°,λ163.00000°. NP2:ϕ_s300.00000° ,δ75.00000°,λ26.00000°. $M_0$3.67000×10^{16}
ASIES Moment Tensor Solution. NP1:ϕ_s189.00000°,δ38.00000°,λ156.00000°. NP2:ϕ_s299.00000° ,δ75.00000°,λ55.00000°.
JMA Event type ke. TAIWAN REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109131041A. Moment Tensor Solution. s20,c21; s87,c136; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.67±.24 $M_{\theta\theta}$0.93±.15; $M_{\phi\phi}$-2.60±.14; $M_{r\theta}$-2.21±.10; $M_{\theta\phi}$1.44±.10; $M_{\phi r}$0.47±.10; Best double couple: NP1:ϕ_s194.00000°,δ45.00000° ,λ151.00000°. NP2:ϕ_s305.00000°,δ70.00000°,λ49.00000°. Principal axes: T 3.5950,Plg48.0000°,Azm172.0000°; N -0.1610,Plg38.0000°,Azm322.0000° ; P -3.4390,Plg15.0000°,Azm64.0000° $M_0$3.51700×10^{16}

(134) Off coast of central Chile

ISC	**IX**	**13 11 22 03.0–3.6**	**37.31S–.04**	**75.01W–.05**	**16–22**	**4.6b**	**215**	**1-178**
SJA	IX	13 11 21 58.4–.48	37.29S	75.24W	28–7	4.2L,3.9W	**¶621071763**	
GFZ	IX	13 11 22 00.7–.79	37S–3.0	75W–10	10	5.7b,5.3		
IDC	IX	13 11 22 01.4–.65	37.28S	75.14W	0	4.4L,4.2b		
VAO	IX	13 11 22 02.0–1.7	37.21S	74.96W	10	4.7b,4.2b		
NEIC	IX	13 11 22 04.5–1.4	37.29S–.05	74.97W–.08	26–5	4.6b,4.4		
NEIC	IX	13 11 22 04.4	37.28S	74.97W	25	4.6b,4.4		
GUC	IX	13 11 22 04.0–.54	37.35S	74.90W	17–5	4.3L,4.4		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=7.3km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=22.6km s-min=5.0km az=96.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=18.7km s-min=13.0km az=68.0.
VAO Event type se. Error ellipse: s-maj=8.7km s-min=21.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.9km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.52 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$0.91 $M_{r\theta}$0.33 $M_{\theta\phi}$0.50 $M_{\phi r}$0.94 NP1:ϕ_s62.96000°,δ67.72000°,λ32.31000°. NP2:ϕ_s319.47000°,δ60.36000° ,λ154.13000°. Principal axes: T 1.7862,Plg38.0000°,Azm283.0000°; N -0.2430,Plg51.0000° ,Azm94.0000°; P -1.5432,Plg5.0000°,Azm190.0000° $M_0$1.68000×10^{15}
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=5.2km az=-1.0. Presumed earthquake.

(153) South Sandwich Islands region

ISC	**IX**	**13 14 11 28.6–.41**	**59.93S–.06**	**26.49W–.06**	**32–2**	**5.1b,4.3s**	**252**	**8-162**
GFZ	IX	13 14 11 25.9–.22	60S–4.0	26W–5.0	10	5.6b,5.3b	**¶621240991**	
IDC	IX	13 14 11 28.8–1.8	59.88S	26.39W	33–12	4.8,4.7L		
NEIC	IX	13 14 11 29.4–1.1	59.97S–.09	26.5W–.20	37–6	5.1b,4.7L		
GCMT	IX	13 14 11 32.1–.30	60.38S–.02	25.91W–.04	31–0	5.0W,4.7L		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109131411A. Moment Tensor Solution. s37,c42; s78,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.86±.28 $M_{\theta\theta}$-0.31±.20; $M_{\phi\phi}$-3.56±.19; $M_{r\theta}$-0.43±.26; $M_{\theta\phi}$-2.01±.10; $M_{\phi r}$1.98±.21; Best double couple: NP1:ϕ_s223.00000°,δ37.00000° ,λ118.00000°. NP2:ϕ_s9.00000°,δ58.00000°,λ70.00000°. Principal axes: T 4.5390,Plg70.0000°,Azm235.0000°; N 0.2780,Plg17.0000°,Azm20.0000° ; P -4.8250,Plg11.0000°,Azm113.0000° $M_0$4.68200×10^{16}

(1) Central Alaska

ISC	**IX**	**14 05 56 37.7–.44**	**64.42N–.02**	**146.72W–.02**	**8–2**	**5.0b,4.0s**	**602**	**0-166**
BJI	IX	14 05 56 34.5	64.40N	146.80W	8	5.3b,4.8s	**¶621072675**	
MOS	IX	14 05 56 35.8–1.1	64.44N	146.68W	6	5.0b,4.1s		
IDC	IX	14 05 56 36.1–.38	64.41N	146.88W	0	4.7,4.6b		
AEIC	IX	14 05 56 36.8–1.4	64.44N–.02	146.74W–.03	4–3	4.7,4.6b		
NEIC	IX	14 05 56 37.3–1.4	64.42N–.03	146.75W–.04	6–4	5.1L,5.0b		
NEIC	IX	14 05 56 37.2	64.43N	146.75W	6	5.1L,5.0b		
NEIC	IX	14 05 56 37.2	64.42N	146.75W	6	5.1L,5.0b		
GCMT	IX	14 05 56 38.8–.30	64.43N–.02	147.23W–.04	15–1	4.8W,5.0b		
GFZ	IX	14 05 56 39.3–.15	64N–3.0	147W–3.0	10	5.8b,5.3		
NEIC	IX	14 05 56 39.7	64.43N	146.75W	12	4.7,5.3		

ISC Event type se.
MOS Error ellipse: s-maj=12.4km s-min=4.9km az=93.4.
IDC Error ellipse: s-maj=8.1km s-min=7.5km az=54.0.
AEIC Event type se. Error ellipse: s-maj=2.7km s-min=1.7km az=174.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=1.8km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.30 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$0.71 $M_{r\theta}$0.16 $M_{\theta\phi}$0.58 $M_{\phi r}$-0.31 NP1:ϕ_s149.68000°,δ81.87000°,λ158.50000°. NP2:ϕ_s242.87000°,δ68.73000° ,λ8.72000°. Principal axes: T 0.9823,Plg21.0000°,Azm104.0000°; N 0.2480,Plg67.0000° ,Azm310.0000°; P -1.2303,Plg9.0000°,Azm198.0000° $M_0$1.13000×10^{16}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109140556A. Moment Tensor Solution. s13,c13; s74,c109; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.35±.10 $M_{\theta\theta}$-1.53±.09; $M_{\phi\phi}$1.18±.08; $M_{r\theta}$-0.62±.26; $M_{\theta\phi}$1.20±.09; $M_{\phi r}$-0.78±.31; Best double couple: NP1:ϕ_s152.00000°,δ64.00000° ,λ165.00000°. NP2:ϕ_s249.00000°,δ76.00000°,λ26.00000°. Principal axes: T 2.1410,Plg28.0000°,Azm113.0000°; N -0.1120,Plg61.0000°,Azm274.0000° ; P -2.0280,Plg8.0000°,Azm19.0000° $M_0$2.08400×10^{16}
GFZ Error ellipse: s-maj=6.9km s-min=4.5km az=38.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1s2 Moment tensor: Scale 10^{16}Nm; M_{rr}0.34 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$1.07 $M_{r\theta}$-0.08 $M_{\theta\phi}$0.83 $M_{\phi r}$-0.27 NP1:ϕ_s242.83000°,δ79.32000° ,λ10.65000°. NP2:ϕ_s150.84000°,δ79.54000°,λ169.14000°. Principal axes: T 1.3941,Plg15.0000°,Azm107.0000°; N 0.2657,Plg75.0000°,Azm287.0000° ; P -1.6598,Plg0.0000°,Azm197.0000° $M_0$1.54000×10^{16}

(705) Off west coast of northern Sumatera

ISC	**IX**	**14 20 13 55.8–.25**	**2.91N–.03**	**95.40E–.03**	**27–1**	**5.4b,5.2s**	**1749**	**2-173**
MOS	IX	14 20 13 53.6–.96	2.93N	95.45E	22	5.8b,5.1s	**¶621073496**	
BJI	IX	14 20 13 53.5	2.96N	95.43E	21	5.9b,5.7s		
BGR	IX	14 20 13 54.3	2.16N	95.59E	25–0	5.4b,5.0s		
NEIC	IX	14 20 13 54.5	2.94N	95.38E	15	5.4b,5.0s		
NEIC	IX	14 20 13 55.4	2.44N	95.19E	20	5.3,5.0s		
NEIC	IX	14 20 13 55.5–1.5	2.93N–.06	95.39E–.06	22–1	5.6b,5.4		
DJA	IX	14 20 13 55.2–.40	3N–1.0	95E–2.0	16–2	6.0,6.0b		
NEIC	IX	14 20 13 55	2.94N	95.39E	19	6.0,6.0b		
GFZ	IX	14 20 13 55.9	2.90N	95.43E	25	5.3W,6.0b		
IDC	IX	14 20 13 56.9–.85	2.96N	95.41E	29–5	5.1s,5.0		
GFZ	IX	14 20 13 56.5–.11	3N–2.0	95E–2.0	24–0	5.9b,5.6L		
GCMT	IX	14 20 13 56.5–.20	2.59N–.02	95.29E–.02	33–0	5.4W,5.6L		

ISC Event type ke.
BGR Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.49 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-0.16 $M_{r\theta}$0.86 $M_{\theta\phi}$0.27 $M_{\phi r}$-0.42 NP1:ϕ_s316.84000°,δ14.68000° ,λ109.31000°. NP2:ϕ_s116.93000°,δ76.16000°,λ85.05000°. Principal axes: T 1.0747,Plg59.0000°,Azm20.0000°; N 0.0187,Plg5.0000°,Azm118.0000° ; P -1.0933,Plg31.0000°,Azm211.0000° $M_0$1.08000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.26 $M_{r\theta}$0.89 $M_{\theta\phi}$0.48 $M_{\phi r}$-0.46 NP1:ϕ_s305.65000°,δ22.76000°,λ96.42000°. NP2:ϕ_s118.69000°,δ67.39000° ,λ87.32000°. Principal axes: T 1.4011,Plg68.0000°,Azm24.0000°; N 0.0314,Plg2.0000° ,Azm120.0000°; P -1.4326,Plg22.0000°,Azm211.0000° $M_0$1.42000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.37 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.10 $M_{r\theta}$1.01 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.35 NP1: ϕ_s109.82097°,δ80.00611°,λ83.62472°. NP2:ϕ_s322.59534°,δ11.83675°,λ122.21638°. Principal axes: T 1.1279,Plg54.5661°,Azm12.0375°; N 0.0325,Plg6.2782°,Azm110.9318° ; P -1.1604,Plg34.7054°,Azm205.3016° $M_0$1.14451×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109142013A. Moment Tensor Solution. s75,c107; s103,c158;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.03 $M_{\theta\theta}$-0.69±.02; $M_{\phi\phi}$-0.51±.03; $M_{r\theta}$0.67±.03; $M_{\theta\phi}$0.54±.01; $M_{\phi r}$-0.61±.03; Best double couple: NP1: ϕ_s309.00000°,δ26.00000°,λ88.00000°. NP2:ϕ_s131.00000°,δ64.00000°,λ91.00000°. Principal axes: T 1.5130,Plg71.0000°,Azm44.0000°; N -0.0550,Plg1.0000°,Azm311.0000° ; P -1.4530,Plg19.0000°,Azm221.0000° $M_0$1.48300×10^{17}

(265) Minahassa Peninsula, Sulawesi

ISC	**IX**	**15 00 49 49.4–.23**	**1.09N–.03**	**122.18E–.03**	**57–1**	**5.1b,4.2s**	**1111**	**0-176**
BJI	IX	15 00 49 47.9	0.89N	121.99E	61	5.4b,4.9b	**¶621073512**	
MOS	IX	15 00 49 47.5–.92	1.15N	122.16E	52	5.2b,4.9b		
DJA	IX	15 00 49 49.4–.10	1N–1.0	122E–1.0	60–2	5.8b,5.7		
NEIC	IX	15 00 49 49.2–2.4	1.16N–.06	122.12E–.05	46–4	5.2b,5.1		
IDC	IX	15 00 49 49.4–.59	1.11N	122.16E	56–5	4.8,4.4b		
GCMT	IX	15 00 49 49.1–.20	1.30N–.01	122.05E–.01	40–0	5.2W,4.4b		
GFZ	IX	15 00 49 50.7–.32	1N–2.0	122E–2.0	61–3	5.5L,5.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109150049A. Moment Tensor Solution. s80,c132; s123,c213;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.39±.19 $M_{\theta\theta}$-0.32±.13; $M_{\phi\phi}$-4.07±.15; $M_{r\theta}$-3.57±.13; $M_{\theta\phi}$-5.41±.10; $M_{\phi r}$1.25±.15; Best double couple: NP1:ϕ_s2.00000° ,δ53.00000°,λ35.00000°. NP2:ϕ_s249.00000°,δ62.00000°,λ138.00000°. Principal axes: T 7.6600,Plg49.0000°,Azm211.0000°; N 0.3610,Plg41.0000°,Azm42.0000° ; P -8.0170,Plg5.0000°,Azm307.0000° $M_0$7.83900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(153) South Sandwich Islands region

ISC	**IX**	**15 03 31 37.1–.37**	**58.39S–.04**	**25.59W–.05**	**55–3**	**5.4b,4.7s**	**630**	**7-175**
IDC	IX	15 03 31 29.5–.32	58.28S	25.37W	0	5.2b,5.2	**¶621240997**	
BJI	IX	15 03 31 34.8	58.40S	25.60W	40	5.4s,5.1		
NEIC	IX	15 03 31 36.7–1.6	58.38S–.08	25.5W–.20	47–3	5.4b,5.1		
MOS	IX	15 03 31 36.2–1.0	58.42S	25.68W	54	5.6b,5.1		
GFZ	IX	15 03 31 36.9–.29	58S–3.0	26W–3.0	46–2	5.8b,5.4		
NEIC	IX	15 03 31 38.2	58.39S	25.56W	61	5.8b,5.4		
NEIC	IX	15 03 31 38.7	58.29S	24.98W	60	5.3,5.4		
GCMT	IX	15 03 31 39.3–.10	58.49S–.01	24.86W–.02	51–0	5.3W,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-1.09 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.21 $M_{\phi r}$0.17 NP1:ϕ_s170.72000°,δ40.21000° ,λ89.39000°. NP2:ϕ_s351.52000°,δ49.79000°,λ90.51000°. Principal axes: T 0.8744,Plg85.0000°,Azm266.0000°; N 0.2632,Plg0.0000°,Azm171.0000° ; P -1.1376,Plg5.0000°,Azm81.0000° $M_0$1.03000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109150331A. Moment Tensor Solution. s126,c202; s133,c233;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$0.15±.02; $M_{\phi\phi}$-1.29±.01; $M_{r\theta}$-0.11±.01; $M_{\theta\phi}$0.10±.01; $M_{\phi r}$0.23±.01; Best double couple: NP1: ϕ_s181.00000°,δ40.00000°,λ98.00000°. NP2:ϕ_s351.00000°,δ51.00000°,λ84.00000°. Principal axes: T 1.1710,Plg83.0000°,Azm223.0000°; N 0.1480,Plg5.0000°,Azm355.0000°

; P -1.3200,Plg6.0000°,Azm86.0000° M0 1.24600×10^17

(407) North of Ascension Island

ISC	**IX**	**15 09 36 44.6–.33**	**1.42S–.07**	**15.93W–.06**	**12**	**4.9b,4.7s**	**325**	**7-144**
NEIC	IX	15 09 36 37.7	1.39S	15.94W	12	5.2,4.7s		¶621076034
IDC	IX	15 09 36 41.8–.47	1.37S	15.95W	0	4.6s,4.5b		
GFZ	IX	15 09 36 45.0	1.41S	15.97W	12	5.2W,4.5b		
NEIC	IX	15 09 36 45.4	1.39S	15.94W	10	5.2W,4.5b		
GFZ	IX	15 09 36 45.6–.20	1S–4.0	16W–5.0	10	5.5b,5.5		
NEIC	IX	15 09 36 45.5–1.2	1.4S–.10	15.93W–.09	10–1	5.1b,5.5		
GCMT	IX	15 09 36 45.5–.10	1.36S–.01	15.92W–.01	12	5.2W,5.5		

ISC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^16Nm; Mrr-6.41 Mθθ1.69 Mφφ4.73 Mrθ3.07 Mθφ-1.87 Mφr0.33 NP1:φs171.02000°,δ42.72000° ,λ-61.51000°. NP2:φs314.57000°,δ53.39000°,λ-113.77000°. Principal axes: T 5.7160,Plg6.0000°,Azm61.0000°; N 1.7994,Plg19.0000°,Azm329.0000° ; P -7.5155,Plg70.0000°,Azm167.0000° M0 6.80000×10^16

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr-6.15 Mθθ0.76 Mφφ5.39 Mrθ2.46 Mθφ-1.65 Mφr2.00 NP1: φs183.33354°,δ54.45001°,λ-64.33387°. NP2:φs323.75971°,δ42.83351°,λ-121.22011°. Principal axes: T 6.0458,Plg6.1668°,Azm255.3918°; N 1.3491,Plg20.6339°,Azm347.7236° ; P -7.3949,Plg68.3827°,Azm149.5693° M0 6.82111×10^16

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109150936A. Moment Tensor Solution. s81,c110; s137,c248;Duration: 1s0 Moment tensor: Scale 10^17Nm; Mrr-0.73±.01 Mθθ0.23±.01; Mφφ0.50±.01; Mrθ0.27±.04; Mθφ-0.30±.01; Mφr-0.08±.03; Best double couple: NP1: φs159.00000°,δ38.00000°,λ-71.00000°. NP2:φs315.00000°,δ54.00000°,λ-105.00000°. Principal axes: T 0.7280,Plg8.0000°,Azm55.0000°; N 0.0740,Plg12.0000°,Azm324.0000° ; P -0.8020,Plg76.0000°,Azm180.0000° M0 0.76500×10^17

(153) South Sandwich Islands region

ISC	**IX**	**15 10 22 58.2–.25**	**57.97S–.05**	**23.49W–.06**	**16**	**5.2b,4.3s**	**373**	**8-175**
IDC	IX	15 10 22 55.7–.38	57.90S	23.49W	0	5.0L,4.9b		¶621240999
MOS	IX	15 10 22 56.3–1.0	57.92S	23.51W	12	5.3b,4.9b		
NEIC	IX	15 10 22 57.2–1.4	57.92S–.09	23.6W–.20	10–1	5.3,5.2b		
GFZ	IX	15 10 22 58.5	58.05S	23.52W	15	5.2W,5.2b		
GFZ	IX	15 10 22 58.5–.16	58S–3.0	24W–3.0	10	5.6b,5.2		
GCMT	IX	15 10 23 01.3–.20	58.01S–.02	23.05W–.01	12	5.1W,5.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr-7.06 Mθθ-0.37 Mφφ7.42 Mrθ-1.41 Mθφ-1.29 Mφr1.87 NP1: φs162.11621°,δ53.54398°,λ-100.77694°. NP2:φs359.87814°,δ37.80260°,λ-75.79654°. Principal axes: T 7.9217,Plg7.9632°,Azm259.7885°; N -0.4079,Plg8.6498°,Azm168.5691° ; P -7.5137,Plg78.2010°,Azm31.8292° M0 7.72578×10^16

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109151022A. Moment Tensor Solution. s48,c66; s110,c186; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-4.83±.14 Mθθ-1.61±.15; Mφφ6.44±.09; Mrθ-1.11±.45; Mθφ-0.81±.09; Mφr2.56±.32; Best double couple: NP1:φs8.0000°,δ34.00000° ,λ-69.00000°. NP2:φs163.00000°,δ59.00000°,λ-103.00000°. Principal axes: T 7.1150,Plg13.0000°,Azm263.0000°; N -1.5160,Plg11.0000°,Azm170.0000° ; P -5.5980,Plg73.0000°,Azm40.0000° M0 6.35700×10^16

(7) Andreanof Islands

ISC	**IX**	**15 13 27 53.1–.99**	**50.46N–.05**	**176.26W–.03**	**11–5**	**4.5b,3.6s**	**383**	**1-153**
IDC	IX	15 13 27 51.2–.56	50.53N	176.24W	0	4.4b,4.4		¶621076732
NEIC	IX	15 13 27 53.3–.95	50.44N–.04	176.27W–.06	10–1	4.5b,4.2L		
AEIC	IX	15 13 27 54.4–1.4	50.40N–.06	176.23W–.07	35–5	4.5b,4.2L		
GFZ	IX	15 13 27 54.5–.40	51N–8.0	176W–4.0	10	5.9b,5.7		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(307) Sichuan

ISC	**IX**	**15 20 33 31.8–.30**	**29.17N–.02**	**105.37E–.02**	**11–1**	**5.8b,5.2s**	**1842**	**2-174**
MOS	IX	15 20 33 29.7–.80	29.14N	105.39E	8	6.1b,5.2s		¶621079013
BJI	IX	15 20 33 30.3	29.20N	105.34E	10	6.1L,5.9s		
GCMT	IX	15 20 33 31.9–.10	29.17N	105.44E	12	5.4W,5.9s		
NEIC	IX	15 20 33 31.9–1.4	29.19N–.06	105.37E–.06	7–3	5.9b,5.9s		
GFZ	IX	15 20 33 31.9–.11	29N–1.0	105E–1.0	10–0	6.1L,6.0b		
IDC	IX	15 20 33 32.2–1.6	29.15N	105.33E	14–9	5.6b,5.6		
NEIC	IX	15 20 33 32.4	29.20N	105.41E	10	5.6b,5.6		
BGR	IX	15 20 33 33.3	28.11N	104.06E	10	6.0,5.9b		
GFZ	IX	15 20 33 35.3	29.19N	105.35E	13	5.5W,5.9b		
NEIC	IX	15 20 33 40.7	29.20N	105.41E	12	5.4,5.9b		

ISC Event type ke.

MOS Error ellipse: s-maj=5.0km s-min=3.4km az=117.4.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109152033A. Moment Tensor Solution. s115,c184; s154,c325;Duration: 1s3 Moment tensor: Scale 10^17Nm; Mrr1.87±.01 Mθθ-1.43±.01; Mφφ-0.44±.01; Mrθ-0.28±.04; Mθφ0.23±.01; Mφr-0.11±.05; Best double couple: NP1: φs106.00000°,δ41.00000°,λ96.00000°. NP2:φs278.00000°,δ49.00000°,λ85.00000°. Principal axes: T 1.9010,Plg84.0000°,Azm148.0000°; N -0.4050,Plg4.0000°,Azm281.0000° ; P -1.4980,Plg4.0000°,Azm12.0000° M0 1.69900×10^17

NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.5km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=3.3km s-min=2.4km az=46.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC Error ellipse: s-maj=9.1km s-min=8.4km az=76.0.

NEIC Event type se.

BGR Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr1.68 Mθθ-1.21 Mφφ-0.47 Mrθ1.27 Mθφ0.23 Mφr-0.35 NP1: φs105.62830°,δ65.92635°,λ89.85674°. NP2:φs285.97949°,δ24.07405°,λ90.32065°. Principal axes: T 2.1805,Plg69.0733°,Azm15.3447°; N -0.4058,Plg0.1308°,Azm105.6867° ; P -1.7747,Plg20.9262°,Azm195.7367° M0 2.00862×10^17

NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^17Nm; Mrr1.68 Mθθ-1.24 Mφφ-0.45 Mrθ0.57 Mθφ0.26 Mφr-0.83 NP1:φs278.63000°,δ31.56000° ,λ66.95000°. NP2:φs125.16000°,δ61.20000°,λ103.52000°. Principal axes: T 2.0359,Plg71.0000°,Azm65.0000°; N -0.5063,Plg12.0000°,Azm299.0000° ; P -1.5296,Plg15.0000°,Azm205.0000° M0 1.84000×10^17

(177) Kermadec Islands region

ISC	**IX**	**16 00 06 08.2–.35**	**28.03S–.07**	**177.46W–.07**	**10**	**4.9b,4.2s**	**161**	**11-167**
BJI	IX	16 00 06 07.4	27.91S	177.33W	16	5.5b,5.0b		¶621241005
NEIC	IX	16 00 06 09.5–1.3	28.01S–.09	177.5W–.10	21–4	5.0b,5.0b		
GFZ	IX	16 00 06 11.2–.34	28S–4.0	178W–4.0	17–2	6.4b,6.1		
GCMT	IX	16 00 06 13.6–.30	28.03S–.02	177.61W–.02	12	5.0W,6.1		
IDC	IX	16 00 06 21.4–4.0	28.10S	177.88W	109–34	4.6,4.2b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=13.1km s-min=12.8km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=10.0km s-min=8.1km az=54.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109160006A. Moment Tensor Solution. s42,c56; s102,c138; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-3.31±.10 Mθθ1.14±.11; Mφφ2.17±.10; Mrθ2.06±.39; Mθφ1.90±.08; Mφr-0.44±.32; Best double couple: NP1:φs15.00000°,δ43.00000° ,λ-128.00000°. NP2:φs242.00000°,δ58.00000°,λ-61.00000°. Principal axes: T 3.7550,Plg8.0000°,Azm311.0000°; N 0.5630,Plg25.0000°,Azm45.0000° ; P -4.3180,Plg64.0000°,Azm204.0000° M0 4.03700×10^16

IDC Error ellipse: s-maj=16.9km s-min=14.1km az=81.0.

(151) South Georgia Island region

ISC	**IX**	**16 01 20 39.5–.24**	**56.45S–.05**	**36.40W–.06**	**10**	**5.3b,4.2s**	**376**	**2-170**
NEIC	IX	16 01 20 39.1–1.6	56.48S–.06	36.5W–.20	10–1	5.4b,5.3		¶621079022
GFZ	IX	16 01 20 41.6–.24	56S–3.0	36W–4.0	10	5.8b,5.3		
MOS	IX	16 01 20 43.7–.86	56.66S	37.08W	47	5.4b,5.3		
GCMT	IX	16 01 20 43.4–.20	56.42S–.02	36.24W–.01	12	5.1W,5.3		
IDC	IX	16 01 20 46.4–4.0	56.39S	36.18W	59–35	4.9,4.7b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.5km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

MOS Error ellipse: s-maj=25.1km s-min=10.3km az=109.9.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109160120A. Moment Tensor Solution. s51,c76; s113,c175; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr3.51±.12 Mθθ1.56±.13; Mφφ-5.07±.09; Mrθ-3.38±.39; Mθφ1.12±.09; Mφr0.37±.26; Best double couple: NP1:φs201.00000°,δ49.00000° ,λ141.00000°. NP2:φs319.00000°,δ62.00000°,λ48.00000°. Principal axes: T 6.0660,Plg53.0000°,Azm177.0000°; N -0.6980,Plg36.0000°,Azm342.0000° ; P -5.3680,Plg7.0000°,Azm77.0000° M0 5.71700×10^16

IDC Error ellipse: s-maj=21.7km s-min=12.1km az=62.0.

(153) South Sandwich Islands region

ISC	**IX**	**16 04 58 37.9–.28**	**59.59S–.06**	**26.08W–.06**	**40**	**5.0b,4.5s**	**217**	**8-173**
IDC	IX	16 04 58 31.8–.44	59.60S	26.05W	0	4.7b,4.7		¶621241007
GFZ	IX	16 04 58 33.3–.22	59S–4.0	26W–5.0	10	5.7b,5.3		
NEIC	IX	16 04 58 37.5–1.4	59.64S–.08	26.1W–.20	35–1	5.1b,5.3		
GCMT	IX	16 04 58 42.0–.20	59.86S–.01	25.58W–.02	40–1	5.2W,5.3		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109160458A. Moment Tensor Solution. s69,c102; s123,c203;Duration: 1s0 Moment tensor: Scale 10^17Nm; Mrr0.19±.03 Mθθ0.58±.02; Mφφ-0.77±.02; Mrθ-0.45±.02; Mθφ0.11±.01; Mφr0.30±.02; Best double couple: NP1: φs217.00000°,δ51.00000°,λ168.00000°. NP2:φs315.00000°,δ80.00000°,λ40.00000°. Principal axes: T 0.8770,Plg34.0000°,Azm183.0000°; N 0.0180,Plg50.0000°,Azm326.0000° ; P -0.8950,Plg19.0000°,Azm80.0000° M0 0.88600×10^17

(226) Near west coast of eastern Honshu

ISC	**IX**	**16 09 42 30.0–.43**	**37.45N–.02**	**137.32E–.02**	**14–2**	**5.4b,4.4s**	**913**	**0-164**
IDC	IX	16 09 42 27.8–.34	37.48N	137.30E	0	4.9b,4.9		¶621079125
GFZ	IX	16 09 42 29.9–.10	37N–2.0	137E–2.0	10	5.6b,5.2b		
NEIC	IX	16 09 42 29.7	37.56N	137.90E	12	4.9,5.2b		
NEIC	IX	16 09 42 29.6	37.47N	137.25E	10	4.9,5.2b		
NEIC	IX	16 09 42 29.7	37.46N	137.27E	10	4.9,5.2b		
NEIC	IX	16 09 42 29.5–1.6	37.47N–.01	137.25E–.06	10–1	5.4b,4.9		
NIED	IX	16 09 42 30.2	37.51N	137.30E	13	5.0W,4.9		
JMA	IX	16 09 42 30.2–.06	37.5N–.20	137.3E–.30	13–0	5.1,4.9W		
MOS	IX	16 09 42 31.0–1.0	37.45N	137.23E	33	5.4b,5.0s		
GCMT	IX	16 09 42 33.0–.20	37.48N–.01	137.18E–.01	14–0	5.0W,5.0s		
BGR	IX	16 09 42 37.3	38.03N	137.22E	33	5.3b,4.4s		

ISC Event type ke.

IDC Error ellipse: s-maj=9.3km s-min=7.9km az=65.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^16Nm; Mrr2.85 Mθθ-1.03 Mφφ-1.82 Mrθ0.04 Mθφ-1.37 Mφr0.12 NP1:φs217.87000°,δ43.79000° ,λ91.21000°. NP2:φs36.20000°,δ46.22000°,λ88.84000°. Principal axes: T 2.8537,Plg89.0000°,Azm273.0000°; N 0.0028,Plg1.0000°,Azm37.0000° ; P -2.8565,Plg1.0000°,Azm127.0000° M0 2.86000×10^16

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=8.0km s-min=2.9km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr2.78 Mθθ-0.56 Mφφ-2.22 Mrθ0.15 Mθφ-1.00 Mφr-1.34 NP1:φs36.50000°,δ34.69000°,λ109.98000°. NP2:φs192.64000° ,δ57.67000°,λ76.69000°. Principal axes: T 3.1595,Plg74.0000°,Azm67.0000° ; N -0.2283,Plg11.0000°,Azm200.0000°; P -2.9312,Plg12.0000°,Azm292.0000° M0 3.05000×10^16

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^16Nm; Mrr2.78 Mθθ-0.68 Mφφ-2.10 Mrθ-0.22 Mθφ-1.33 Mφr-0.96 NP1:φs37.00000°,δ36.00000°,λ100.00000°. NP2:φs205.00000° ,δ54.00000°,λ83.00000°. M0 3.01000×10^16

JMA Event type fe. NOTO PENINSULA REGION .

MOS Error ellipse: s-maj=6.5km s-min=3.8km az=112.6.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109160942A. Moment Tensor Solution. s61,c84; s114,c188; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr3.31±.12 Mθθ-0.70±.07; Mφφ-2.61±.08; Mrθ-0.47±.17; Mθφ-1.20±.05; Mφr-2.06±.17; Best double couple: NP1:φs32.00000°,δ29.00000° ,λ101.00000°. NP2:φs199.00000°,δ62.00000°,λ84.00000°. Principal axes: T 3.9580,Plg73.0000°,Azm94.0000°; N -0.1700,Plg6.0000°,Azm202.0000° ; P -3.7910,Plg16.0000°,Azm294.0000° M0 3.87500×10^16

BGR Event type ke.

(17) South of Alaska

ISC	**IX**	**16 17 51 55.8–.23**	**55.12N–.03**	**156.47W–.02**	**25–1**	**5.4b,5.4s**	**1633**	**1-164**
IDC	IX	16 17 51 52.3–.37	55.16N	156.60W	0	5.3s,5.1b		¶621080781
NEIC	IX	16 17 51 54.5	55.17N	156.46W	15	5.3s,5.1b		
MOS	IX	16 17 51 54.7–.86	55.27N	156.59W	24	5.7b,5.3s		
BJI	IX	16 17 51 55.0	55.26N	157.15W	18	6.0s,5.9b		
IPGP	IX	16 17 51 55.0	55.03N	156.49W	23	5.7W,5.9b		
NEIC	IX	16 17 51 55.1–1.7	55.14N–.05	156.46W–.07	20–1	5.6,5.5L		
NEIC	IX	16 17 51 55	55.17N	156.46W	18	5.6,5.5L		
AEIC	IX	16 17 51 55.9–2.8	55.07N–.06	156.50W–.08	37–4	5.6,5.5L		
ISC-P	IX	16 17 51 55	55.14N	156.46W	5–0	6.1,5.5L		
GFZ	IX	16 17 51 56.3–.16	55N–2.0	157W–2.0	22–0	6.0b,5.9L		
GFZ	IX	16 17 51 56.3	55.21N	156.60W	16	5.6W,5.9L		
GCMT	IX	16 17 51 58.7–.10	54.91N–.01	156.23W–.01	21–0	5.6W,5.9L		
BGR	IX	16 17 52 05.5	56.39N	158.17W	33	5.7b,5.1s		
NEIC	IX	16 17 52 06.7	55.17N	156.46W	16	5.6,5.1s		

ISC Event type ke.

IDC Error ellipse: s-maj=11.5km s-min=7.8km az=4.0.

NEIC Event type se.

MOS Error ellipse: s-maj=8.2km s-min=4.0km az=95.7.

IPGP Moment Tensor Solution. NP1:φs208.00000°,δ17.00000°,λ58.00000°. NP2:φs61.00000° ,δ76.00000°,λ99.00000°.

NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.0km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr1.61 Mθθ-1.73 Mφφ0.12 Mrθ1.98 Mθφ-0.89 Mφr1.08 NP1:φs62.24000°,δ70.46000°,λ85.05000°. NP2:φs256.76000°,δ20.13000° ,λ103.66000°. Principal axes: T 2.6900,Plg64.0000°,Azm324.0000°; N 0.4599,Plg5.0000° ,Azm64.0000°; P -3.1499,Plg25.0000°,Azm156.0000° M0 2.95000×10^17

NEIC Event type se.

AEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.9km az=157.0. hypocenter. manual.

ISC-P Moment Tensor Solution. s55 Moment tensor: Scale 10^18Nm; Mrr0.51±.26 Mθθ0.65±.20; Mφφ-0.33±.13; Mrθ0.28±.16; Mθφ0.15±.16; Mφr0.03±.14; NP1:φs139.90000°,δ55.30000° ,λ22.80000°. NP2:φs36.50000°,δ71.40000°,λ143.10000°. M0 1.76000×10^18

GFZ Error ellipse: s-maj=5.2km s-min=3.6km az=179.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr0.96 Mθθ-0.72 Mφφ-0.24 Mrθ2.58 Mθφ-0.40 Mφr1.17 NP1: φs65.23081°,δ80.72366°,λ91.53092°. NP2:φs235.81691°,δ9.40072°,λ80.71031°. Principal axes: T 2.9941,Plg54.2519°,Azm337.0838°; N -0.0137,Plg1.5109°,Azm244.9840° ; P -2.9804,Plg35.7061°,Azm153.8977° M0 2.98726×10^17

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109161751A. Moment Tensor Solution. s131,c253; s154,c313;Duration: 1s5 Moment tensor: Scale 10^17Nm; Mrr1.61±.03 Mθθ-1.29±.02; Mφφ-0.31±.02; Mrθ2.54±.08; Mθφ-0.86±.02; Mφr0.96±.05; Best double couple: NP1:

ϕ_s230.00000°,δ17.00000°,λ73.00000°. NP2:ϕ_s68.00000°,δ74.00000°,λ95.00000°.
Principal axes: T 3.1350,Plg61.0000°,Azm345.0000°; N 0.1510,Plg5.0000°,Azm247.0000°
; P -3.2790,Plg29.0000°,Azm154.0000° $M_0$3.20700×10^{17}

BGR Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm;
M_{rr}0.99 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$-0.06 $M_{r\theta}$2.81 $M_{\theta\phi}$-0.63 $M_{\theta r}$2.09 NP1:ϕ_s256.02000°,δ9.47000°
,λ112.14000°. NP2:ϕ_s53.61000°,δ81.24000°,λ86.40000°. Principal axes:
T 3.5657,Plg54.0000°,Azm319.0000°; N 0.2381,Plg4.0000°,Azm54.0000°
; P -3.8038,Plg36.0000°,Azm147.0000° $M_0$3.69000×10^{17}

(268) Sulawesi

ISC	**IX**	**16 19 19 54.7–.38**	**1.28S–.03**	**120.53E–.03**	**10**	**4.5b**	**167**	**0-89**
NEIC	IX	16 19 19 55.5–2.6	1.27S–.05	120.59E–.03	10–1	4.5b		**¶621080875**
DJA	IX	16 19 19 55.0–.20	1S–2.0	120E–2.0	10	4.4,4.4		
GFZ	IX	16 19 19 58.6–.14	1S–2.0	121E–2.0	45	5.9b,5.5		
IDC	IX	16 19 19 59.5–2.2	1.27S	120.60E	46–24	4.1,3.8b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.2km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

IDC Error ellipse: s-maj=23.0km s-min=13.2km az=73.0.

(17) South of Alaska

ISC	**IX**	**16 23 05 08.6–.31**	**55.16N–.04**	**156.48W–.02**	**20–1**	**5.2b,4.8s**	**1182**	**2-161**
BJI	IX	16 23 05 03.0	55.20N	156.50W	10	5.5b,5.4s		**¶621080883**
NEIC	IX	16 23 05 07.8	54.64N	156.12W	30	5.2,5.4s		
IDC	IX	16 23 05 07.0–2.2	55.12N	156.67W	9–12	5.0,4.9b		
AEIC	IX	16 23 05 07.9–4.0	54.94N–.06	156.30W–.07	33–4	5.0,4.9b		
NEIC	IX	16 23 05 07.3	55.14N	156.47W	10	5.0,4.9b		
NEIC	IX	16 23 05 08.7–1.7	55.15N–.04	156.47W–.05	20–1	5.2,5.1L		
NEIC	IX	16 23 05 08.2	55.16N	156.50W	16	5.2,5.1L		
GFZ	IX	16 23 05 08.1–.23	55N–5.0	157W–3.0	10	5.5b,5.3L		
MOS	IX	16 23 05 09.1–.97	55.22N	156.58W	31	5.5b,4.8s		
GCMT	IX	16 23 05 10.4–.10	54.95N–.01	156.31W–.01	12	5.3W,4.8s		
BGR	IX	16 23 05 13.3	55.35N	158.40W	33	5.3b,4.5s		

ISC Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm;
M_{rr}4.17 $M_{\theta\theta}$-3.68 $M_{\phi\phi}$-0.49 $M_{r\theta}$3.97 $M_{\theta\phi}$-3.09 $M_{\theta r}$3.61 NP1:ϕ_s252.81000°,δ22.46000°
,λ112.10000°. NP2:ϕ_s49.09000°,δ69.27000°,λ81.16000°. Principal axes:
T 6.6421,Plg65.0000°,Azm304.0000°; N 1.2420,Plg8.0000°,Azm52.0000°
; P -7.8841,Plg24.0000°,Azm146.0000° $M_0$7.34000×10^{16}

IDC Error ellipse: s-maj=14.3km s-min=8.7km az=3.0.

AEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.6km az=161.0. hypocenter. manual.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=199.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}5.95 $M_{\theta\theta}$-5.60 $M_{\phi\phi}$-0.35 $M_{r\theta}$4.77
$M_{\theta\phi}$-0.71 $M_{\theta r}$3.81 NP1:ϕ_s61.77000°,δ68.62000°,λ75.71000°. NP2:ϕ_s276.71000°,δ25.53000°
,λ122.23000°. Principal axes: T 8.9021,Plg64.0000°,Azm309.0000°; N -1.0253,Plg13.0000°
,Azm67.0000°; P -7.8769,Plg22.0000°,Azm163.0000° $M_0$8.44000×10^{16}

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

MOS Error ellipse: s-maj=8.6km s-min=4.1km az=96.1.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202109162305A. Moment Tensor Solution. s102,c185;
s126,c222;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35±.01 $M_{\theta\theta}$-0.24±.01;
$M_{\phi\phi}$-0.10±.01; $M_{r\theta}$0.79±.02; $M_{\theta\phi}$-0.26±.01; $M_{\theta r}$0.54±.02; Best double couple: NP1:
ϕ_s228.00000°,δ11.00000°,λ83.00000°. NP2:ϕ_s55.00000°,δ79.00000°,λ91.00000°.
Principal axes: T 0.9880,Plg56.0000°,Azm327.0000°; N 0.0950,Plg1.0000°,Azm235.0000°
; P -1.0820,Plg34.0000°,Azm144.0000° $M_0$1.03500×10^{17}

BGR Event type ke.

(186) Vanuatu Islands

ISC	**IX**	**17 10 28 41.0–.32**	**13.42S–.03**	**167.49E–.03**	**17–1**	**5.8b,5.7s**	**1210**	**2-170**
IDC	IX	17 10 28 38.3–.31	13.39S	167.47E	0	5.2s,5.1b		**¶621081292**
NEIC	IX	17 10 28 39.8–1.1	13.46S–.06	167.42E–.08	8–1	5.9b,5.7		
MOS	IX	17 10 28 39.8–.99	13.43S	167.37E	19	5.8b,5.4s		
ISC-P	IX	17 10 28 39	13.46S	167.42E	5–0	6.0,5.4s		
PTWC	IX	17 10 28 40	13.40S	167.50E	10	5.8,5.4s		
NEIC	IX	17 10 28 40.7	13.43S	167.40E	10	5.8,5.4s		
BJI	IX	17 10 28 40.4	13.35S	167.45E	10	5.7b,5.6s		
GFZ	IX	17 10 28 40.3	13.31S	167.50E	14	5.8W,5.6s		
GFZ	IX	17 10 28 40.8–.21	13S–2.0	167E–2.0	15–1	6.0b,6.0L		
NOU	IX	17 10 28 43.9	13.42S	167.40E	34	5.5b,6.0L		
GCMT	IX	17 10 28 44.1–.10	13.37S–.01	167.44E	12	5.8W,6.0L		
NEIC	IX	17 10 28 51.2	13.43S	167.40E	12	5.8,6.0L		

ISC Event type se.

IDC Error ellipse: s-maj=11.7km s-min=9.6km az=70.0.

NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.6km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MOS Error ellipse: s-maj=7.9km s-min=6.2km az=127.8.

ISC-P Moment Tensor Solution. s34 Moment tensor: Scale 10^{18}Nm; M_{rr}0.79±.16 $M_{\theta\theta}$-0.16±.18;
$M_{\phi\phi}$0.36±.12; $M_{r\theta}$0.23±.12; $M_{\theta\phi}$-0.24±.13; $M_{\theta r}$-0.05±.17; NP1:ϕ_s108.50000°,δ61.50000°
,λ115.70000°. NP2:ϕ_s243.30000°,δ37.60000°,λ51.40000°. $M_0$1.33000×10^{18}

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}5.76 $M_{\theta\theta}$-1.68 $M_{\phi\phi}$-4.08 $M_{r\theta}$1.99 $M_{\theta\phi}$3.19 $M_{\theta r}$-1.79 NP1:
ϕ_s139.46027°,δ56.96385°,λ83.24964°. NP2:ϕ_s331.70992°,δ33.64201°,λ100.24567°.
Principal axes: T 6.3646,Plg76.9489°,Azm27.8640°; N 0.4657,Plg5.6551°,Azm143.1524°
; P -6.8303,Plg11.7233°,Azm234.3298° $M_0$6.60974×10^{17}

GFZ Error ellipse: s-maj=4.7km s-min=4.4km az=164.7. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NOU Vanuatu Islands.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. ID: C202109171028A. Moment Tensor Solution.
s112,c206; s158,c464;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.24±.04
$M_{\theta\theta}$-0.38±.04; $M_{\phi\phi}$-3.86±.04; $M_{r\theta}$0.28±.11; $M_{\theta\phi}$3.89±.03; $M_{\theta r}$0.42±.10; Best double couple:
NP1:ϕ_s135.00000°,δ45.00000°,λ73.00000°. NP2:ϕ_s338.00000°,δ47.00000°,λ106.00000°.
Principal axes: T 4.3400,Plg78.0000°,Azm322.0000°; N 2.0420,Plg12.0000°,Azm147.0000°
; P -6.3860,Plg1.0000°,Azm57.0000° $M_0$5.36300×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{17}Nm;
M_{rr}4.83 $M_{\theta\theta}$-1.10 $M_{\phi\phi}$-3.72 $M_{r\theta}$-1.03 $M_{\theta\phi}$3.74 $M_{\theta r}$1.87 NP1:ϕ_s140.45000°,δ34.75000°
,λ83.73000°. NP2:ϕ_s328.07000°,δ55.49000°,λ94.33000°. Principal axes:
T 5.2298,Plg79.0000°,Azm254.0000°; N 1.5316,Plg4.0000°,Azm146.0000°
; P -6.7615,Plg10.0000°,Azm55.0000° $M_0$6.14000×10^{17}

(203) Bismarck Sea

ISC	**IX**	**17 13 23 18.0–.46**	**2.90S–.07**	**147.65E–.07**	**10**	**4.5b,4.3s**	**56**	**1-145**
IDC	IX	17 13 23 16.8–.81	3.09S	147.58E	0	4.2b,4.2		**¶621082973**
NEIC	IX	17 13 23 17.4–1.2	2.90S–.06	147.6E–.10	10–1	4.6b,4.2		
GCMT	IX	17 13 23 20.9–.20	3.06S–.01	147.56E–.01	12	5.0W,4.2		
DJA	IX	17 13 23 28.1–2.0	3S–9.0	148E–15	74–12	5.5b,5.3		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202109171323A. Moment Tensor Solution. s39,c52; s122,c199;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.08 $M_{\theta\theta}$1.16±.08; $M_{\phi\phi}$-0.94±.09;
$M_{r\theta}$0.33±.23; $M_{\theta\phi}$3.50±.06; $M_{\theta r}$-0.95±.22; Best double couple: NP1:ϕ_s277.00000°,δ76.00000°
,λ-8.00000°. NP2:ϕ_s9.00000°,δ83.00000°,λ-166.00000°. Principal axes: T 3.7870,Plg5.0000°
,Azm143.0000°; N 0.0140,Plg74.0000°,Azm36.0000°; P -3.8050,Plg15.0000°,Azm234.0000°
$M_0$3.79600×10^{16}

(366) Turkey

ISC	**IX**	**17 23 45 30.3–.57**	**37.87N–.02**	**29.31E–.02**	**12–3**	**4.0b,2.9s**	**328**	**0-80**
IDC	IX	17 23 45 27.9–.64	37.80N	29.32E	0	3.9b,3.8		**¶621082835**
ISK	IX	17 23 45 28.9	37.88N	29.32E	7–0	4.0L,3.8		
GII	IX	17 23 45 28.3–.00	37.820N–.00	29.290E–.00	0	4.2,3.8		
AFAD	IX	17 23 45 29.4	37.86N	29.29E	7–3	3.8W,3.8		
NEIC	IX	17 23 45 30.8–1.5	37.93N–.03	29.35E–.05	10–1	4.1b,3.8		
CFUSG	IX	17 23 45 32.8	38.01N	29.37E	33	3.3,3.1s		
GFZ	IX	17 23 45 32.4–.19	38N–2.0	29E–2.0	10	5.1b,4.4		
MCSM	IX	17 23 45 33.2–.40	38N–3.0	29E–3.0	17–3	6.3b,6.0		

ISC Event type ke.

ISK Event type ke.

GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

AFAD Event type se. Presumed earthquake.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(273) Southwest of Sumatera

ISC	**IX**	**18 03 44 48.7–.40**	**7.77S–.05**	**104.29E–.05**	**10**	**4.9b,3.9s**	**268**	**2-152**
DJA	IX	18 03 44 46.8–.60	8S–5.0	104E–4.0	10	6.1b,5.7		**¶621082844**
IDC	IX	18 03 44 47.2–.51	7.68S	104.27E	0	4.6,4.5b		
GFZ	IX	18 03 44 48.8–.25	8S–3.0	104E–2.0	10	5.3b,5.0b		
NEIC	IX	18 03 44 49.1–2.1	7.71S–.06	104.27E–.07	10–1	4.9b,5.0b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(742) Western Indian-Antarctic Ridge

ISC	**IX**	**18 15 47 20.4–.50**	**50.14S–.06**	**119.9E–.10**	**10**	**4.5b,4.2s**	**79**	**16-150**
IDC	IX	18 15 47 18.6–.78	50.11S	119.91E	0	4.3b,4.3		**¶621082989**
GFZ	IX	18 15 47 20.8–.21	50S–3.0	120E–5.0	10	6.2b,5.9		
NEIC	IX	18 15 47 20.5–1.8	50.1S–.10	120.0E–.10	10–1	4.5b,5.9		
GCMT	IX	18 15 47 23.5–.20	50.02S–.01	119.86E–.04	12	5.0W,5.9		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202109181547A. Moment Tensor Solution. s34,c39; s95,c138;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.79±.09 $M_{\theta\theta}$2.45±.06; $M_{\phi\phi}$0.34±.10;
$M_{r\theta}$1.37±.27; $M_{\theta\phi}$-0.78±.07; $M_{\theta r}$1.44±.33; Best double couple: NP1:ϕ_s128.00000°,δ40.00000°
,λ-52.00000°. NP2:ϕ_s262.00000°,δ60.00000°,λ-117.00000°. Principal axes:
T 2.8680,Plg11.0000°,Azm11.0000°; N 0.8790,Plg23.0000°,Azm277.0000°
; P -3.7450,Plg64.0000°,Azm124.0000° $M_0$3.30600×10^{16}

(207) Eastern New Guinea region

ISC	**IX**	**18 20 47 08.2–.32**	**9.85S–.03**	**148.60E–.03**	**32–2**	**5.7b,4.8s**	**1329**	**1-165**
NEIC	IX	18 20 47 07.1	9.76S	148.58E	18	5.7b,4.8s		**¶621241017**
NEIC	IX	18 20 47 07.6	9.76S	148.48E	26	5.3,4.8s		
NEIC	IX	18 20 47 07.4–1.5	9.76S–.06	148.60E–.06	20–3	5.8b,4.8s		
BJI	IX	18 20 47 07.4	9.57S	149.14E	50	5.5b,5.5b		
MOS	IX	18 20 47 09.7–.89	9.65S	148.47E	48	5.9b,4.8s		
GCMT	IX	18 20 47 09.6–.10	9.75S–.01	148.66E–.01	32–0	5.4W,4.8s		
IDC	IX	18 20 47 10.4–1.9	9.78S	148.57E	48–17	5.5,5.3b		
GFZ	IX	18 20 47 10.3	9.79S	148.57E	40	5.3W,5.3b		
GFZ	IX	18 20 47 10.3–.12	10S–2.0	149E–3.0	42	5.9b,5.7b		
DJA	IX	18 20 47 13.5–.40	10S–3.0	148E–4.0	54–6	5.8b,5.5b		

ISC Event type se.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm;
M_{rr}0.86 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-0.42 $M_{r\theta}$-0.55 $M_{\theta\phi}$0.23 $M_{\theta r}$0.51 NP1:ϕ_s133.73000°,δ22.69000°
,λ90.57000°. NP2:ϕ_s313.11000°,δ67.31000°,λ89.76000°. Principal axes:
T 1.1623,Plg68.0000°,Azm223.0000°; N -0.1991,Plg0.0000°,Azm313.0000°
; P -0.9632,Plg22.0000°,Azm43.0000° $M_0$1.08000×10^{17}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202109182047A. Moment Tensor Solution. s141,c245;
s129,c235;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-0.36±.01;
$M_{\phi\phi}$-0.77±.01; $M_{r\theta}$-0.69±.02; $M_{\theta\phi}$0.63±.01; $M_{\theta r}$0.59±.02; Best double couple: NP1:
ϕ_s153.00000°,δ27.00000°,λ106.00000°. NP2:ϕ_s316.00000°,δ64.00000°,λ82.00000°.
Principal axes: T 1.4590,Plg70.0000°,Azm209.0000°; N 0.0680,Plg7.0000°,Azm319.0000°
; P -1.5260,Plg18.0000°,Azm52.0000° $M_0$1.49300×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.80 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-0.72 $M_{r\theta}$-0.66 $M_{\theta\phi}$0.35 $M_{\theta r}$0.55 NP1:
ϕ_s173.63918°,δ25.85382°,λ123.01488°. NP2:ϕ_s317.80813°,δ68.55161°,λ75.20994°.
Principal axes: T 1.2126,Plg63.4949°,Azm203.9498°; N -0.0284,Plg13.7449°,Azm323.3226°
; P -1.1842,Plg22.1956°,Azm59.0502° $M_0$1.19863×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	**IX**	**18 23 07 48.9–.54**	**36.48N–.04**	**140.57E–.05**	**60–4**	**4.3b**	**263**	**0-126**
MOS	IX	18 23 07 45.3–.92	36.46N	140.80E	47	4.6b		**¶621083000**
JMA	IX	18 23 07 48.8–.09	36.5N–.20	140.6E–.40	55–0	4.4,4.1		
NIED	IX	18 23 07 48.8	36.47N	140.61E	55	4.1W,4.1		
GFZ	IX	18 23 07 50.2–.27	37N–3.0	141E–4.0	75	5.6b,5.1		
IDC	IX	18 23 07 50.1–1.8	36.43N	140.53E	70–16	4.2,3.9b		
NEIC	IX	18 23 07 51.0–1.4	36.45N–.06	140.5E–.10	72–7	4.4b,3.9b		

ISC Event type ke.

JMA Event type fe. NORTHERN IBARAKI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.00 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-1.17
$M_{r\theta}$0.62 $M_{\theta\phi}$-0.19 $M_{\theta r}$1.09 NP1:ϕ_s169.00000°,δ24.00000°,λ56.00000°. NP2:ϕ_s25.00000°
,δ70.00000°,λ104.00000°. $M_0$1.67000×10^{15}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(160) Off east coast of North Island

ISC	**IX**	**19 04 00 58.0–1.1**	**35.23S–.06**	**179.98E–.09**	**10**	**4.1b**	**63**	**3-151**
IDC	IX	19 04 00 53.0–1.6	34.80S	179.77W	0	4.2L,4.2		**¶621113605**
WEL	IX	19 04 01 00.1–.76	35S–4.0	180E–7.0	10	6.2b,5.9		

ISC Event type se.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual.
confirmed.

(110) Peru-Ecuador border region

ISC	**IX**	**19 12 23 13.7–1.1**	**3.10S–.02**	**78.29W–.03**	**10–7**	**4.5b,3.5s**	**314**	**1-164**
IGQ	IX	19 12 23 15.5–.21	3S–1.0	78W–2.0	6	4.9L,4.7		**¶621083119**
VAO	IX	19 12 23 18.3–.84	3.05S	77.65W	8–5	4.6b,4.7		
NEIC	IX	19 12 23 19.4–1.1	3.16S–.04	77.94W–.06	36–6	4.6b,4.7		
GFZ	IX	19 12 23 19.3–.16	3S–4.0	78W–9.0	56	5.6b,5.1		
IDC	IX	19 12 23 23.0–1.7	3.37S	78.21W	92–17	4.1,3.7b		

ISC Event type se.

VAO Event type se. Error ellipse: s-maj=4.1km s-min=5.9km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.8km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

IDC Error ellipse: s-maj=19.9km s-min=10.3km az=60.0.

(273) Southwest of Sumatera

ISC	**IX**	**19 21 20 30.8–.60**	**5.24S–.08**	**101.13E–.06**	**22**	**4.2b**	**102**	**2-146**
DJA	IX	19 21 20 27.7–.30	5S–3.0	101E–2.0	10	6.0b,5.6		**¶621113645**
NEIC	IX	19 21 20 29.6–1.3	5.27S–.08	101.08E–.07	10–1	4.3b,5.6		
IDC	IX	19 21 20 36.1–5.1	5.09S	101.28E	59–44	4.4L,3.9		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=14.3km s-min=12.0km az=25.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=42.9km s-min=16.8km az=55.0.

(173) Tonga Islands

ISC	**IX**	**20 18 34 50.1–.21**	**21.10S–.04**	**174.20W–.04**	**5**	**5.7s,5.6b**	**1057**	**8-171**
IPGP	IX	20 18 34 48.0	21.09S	173.78W	22	5.8W,5.6b		**¶621086519**
BJI	IX	20 18 34 48.3	21.10S	173.80W	10	6.1b,5.7s		
IDC	IX	20 18 34 50.0–.33	21.06S	174.32W	0	5.4b,5.4		

GFZ	IX	20 18 34 51.2–.17	21S–3.0	174W–3.0	10	6.1L,6.0b
MOS	IX	20 18 34 51.7–1.3	21.05S	174.39W	19	5.7b,5.6s
ISC-P	IX	20 18 34 52	20.98S	174.27W	5–0	6.1,5.6s
NEIC	IX	20 18 34 52.5–1.9	20.98S–.07	174.27W–.08	14–1	5.8,5.7
NEIC	IX	20 18 34 52.1	21.01S	174.24W	10	5.8,5.7
NEIC	IX	20 18 34 52.3	20.98S	174.30W	10	5.8,5.7
GFZ	IX	20 18 34 52.0	21.02S	174.45W	26	5.9W,5.7
PTWC	IX	20 18 34 53	21.10S	173.70W	68	6.0,5.7
NOU	IX	20 18 34 53.7	21.02S	174.21W	27	5.6,5.7
NEIC	IX	20 18 34 55.5	21.21S	173.81W	26	5.8,5.7
BGR	IX	20 18 34 56.0	21.01S	174.68W	33	5.8s,5.7
GCMT	IX	20 18 34 57.1–.10	21.18S	173.88W	18–0	5.9W,5.7

ISC Event type ke.

IPGP Moment Tensor Solution. NP1:ϕ_s175.00000°,δ28.00000°,λ69.00000°. NP2:ϕ_s19.00000°,δ64.00000°,λ101.00000°.

IDC Error ellipse: s-maj=11.7km s-min=10.0km az=147.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

MOS Error ellipse: s-maj=9.2km s-min=7.8km az=120.8.

ISC-P Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}0.62±.14 $M_{\theta\theta}$0.00±.15; $M_{\phi\phi}$-0.63±.17; $M_{r\theta}$-0.23±.16; $M_{\theta\phi}$0.23±.27; $M_{\phi r}$0.03±.13; NP1:ϕ_s340.30000°,δ57.90000°,λ71.50000°. NP2:ϕ_s192.60000°,δ36.60000°,λ116.90000°. $M_0$1.82000×10^{18}

NEIC Event type se. Error ellipse: s-maj=14.4km s-min=10.8km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.75 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-4.95 $M_{r\theta}$1.09 $M_{\theta\phi}$-1.53 $M_{\phi r}$1.55 NP1:ϕ_s23.07000°,δ55.23000°,λ99.38000°. NP2:ϕ_s186.90000°,δ35.86000°,λ76.78000°. Principal axes: T 5.1422,Plg78.0000°,Azm325.0000°; N 0.5299,Plg8.0000°,Azm198.0000°; P -5.6721,Plg10.0000°,Azm106.0000° $M_0$5.43000×10^{17}

NEIC Event type se.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}8.33 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$-6.86 $M_{r\theta}$1.52 $M_{\theta\phi}$-2.12 $M_{\phi r}$5.11 NP1:ϕ_s200.22351°,δ28.12040°,λ92.15210°. NP2:ϕ_s17.78370°,δ61.90120°,λ88.85033°. Principal axes: T 9.9485,Plg73.0741°,Azm284.9905°; N -0.7413,Plg1.0142°,Azm18.3252°; P -9.2073,Plg16.8937°,Azm108.6333° $M_0$9.59940×10^{17}

NOU Tonga Islands.

NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{17}Nm; M_{rr}6.85 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-6.00 $M_{r\theta}$0.26 $M_{\theta\phi}$-1.94 $M_{\phi r}$-2.60 NP1:ϕ_s26.23000°,δ35.78000°,λ102.98000°. NP2:ϕ_s190.37000°,δ55.27000°,λ80.80000°. Principal axes: T 7.4089,Plg78.0000°,Azm69.0000°; N -0.3486,Plg8.0000°,Azm196.0000°; P -7.0603,Plg10.0000°,Azm287.0000° $M_0$7.24000×10^{17}

BGR Event type ke.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109201834A. Moment Tensor Solution. s149,c318; s166,c558;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.65±.01 $M_{\theta\theta}$-0.04±.00; $M_{\phi\phi}$-0.60±.00; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$-0.24±.00; $M_{\phi r}$0.47±.01; Best double couple: NP1:ϕ_s195.00000°,δ26.00000°,λ80.00000°. NP2:ϕ_s25.00000°,δ64.00000°,λ95.00000°. Principal axes: T 0.8400,Plg70.0000°,Azm305.0000°; N 0.0380,Plg4.0000°,Azm203.0000°; P -0.8780,Plg19.0000°,Azm112.0000° $M_0$0.85900×10^{18}

(153) South Sandwich Islands region

ISC	**IX**	**20 19 07 45.1–.34**	**59.82S–.05**	**26.48W–.05**	**32–2**	**5.4b,4.9s**	**524**	**8-177**
MOS	IX	20 19 07 41.0–.91	59.75S	26.44W	12	5.3b,4.9s	**¶621086646**	
NEIC	IX	20 19 07 45.9–2.3	59.79S–.04	26.6W–.20	35–1	5.4b,4.9s		
IDC	IX	20 19 07 46.1–1.2	59.80S	26.42W	39–8	5.2,5.0L		
GFZ	IX	20 19 07 46.2–.18	60S–4.0	27W–3.0	30	6.0,6.0		
GCMT	IX	20 19 07 47.9–.20	60.04S–.02	25.98W–.04	28–1	5.3W,6.0		
PTWC	IX	20 19 07 49	60.10S	26.20W	81	5.8,6.0		

ISC Event type se.

MOS Error ellipse: s-maj=24.4km s-min=12.8km az=101.7.

NEIC Event type se. Error ellipse: s-maj=14.2km s-min=3.2km az=291.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=17.0km s-min=11.9km az=60.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109201907A. Moment Tensor Solution. s43,c60; s80,c116; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.56±.04 $M_{\theta\theta}$-0.29±.03; $M_{\phi\phi}$-0.26±.03; $M_{r\theta}$0.25±.05; $M_{\theta\phi}$-0.59±.02; $M_{\phi r}$0.67±.06; Best double couple: NP1:ϕ_s254.00000°,δ30.00000°,λ137.00000°. NP2:ϕ_s24.00000°,δ70.00000°,λ67.00000°. Principal axes: T 0.9410,Plg59.0000°,Azm262.0000°; N 0.1870,Plg21.0000°,Azm32.0000°; P -1.1280,Plg22.0000°,Azm131.0000° $M_0$1.03500×10^{17}

PTWC SOUTH SANDWICH ISLANDS REGION.

(221) Kuril Islands

ISC	**IX**	**20 20 25 27.0–.18**	**46.33N–.02**	**152.47E–.02**	**40–1**	**6.0b,5.9s**	**2806**	**3-159**
BJI	IX	20 20 25 21.4	46.49N	152.52E	14	6.1s,6.0b	**¶621086648**	
GFZ	IX	20 20 25 23.8	46.37N	152.45E	38	6.1W,6.0b		
MOS	IX	20 20 25 23.5–.99	46.31N	152.54E	27	6.1b,5.9s		
PTWC	IX	20 20 25 23	46.30N	152.60E	10	6.5,5.9s		
IPGP	IX	20 20 25 25.0	46.41N	152.41E	39	6.1W,5.9s		
NEIC	IX	20 20 25 25.6	46.41N	152.41E	25	6.1W,5.9s		
ISC-P	IX	20 20 25 26	46.39N	152.49E	28–0	6.6,5.9s		
NEIC	IX	20 20 25 26.5–2.4	46.39N–.07	152.49E–.09	35–1	6.1b,6.1		
SKHL	IX	20 20 25 26.0–.60	46.10N	152.90E	61–4	6.5b,6.5		
IDC	IX	20 20 25 26.1–2.1	46.33N	152.47E	33–15	5.9L,5.8s		
JMA	IX	20 20 25 27.7–.81	46N–3.0	153E–5.0	30	6.6,6.2W		
GFZ	IX	20 20 25 27.1–.12	46N–1.0	152E–2.0	36–0	6.6L,6.4b		
NEIC	IX	20 20 25 29.3	46.40N	152.46E	60	6.6L,6.4b		
GCMT	IX	20 20 25 30.4–.00	46.23N	152.58E	41–0	6.2W,6.4b		
BGR	IX	20 20 25 30.8	46.04N	148.52E	33	6.0s,5.9b		
NEIC	IX	20 20 25 34.2	46.31N	152.70E	40	6.1,5.9b		

ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.27 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-1.75 $M_{r\theta}$-0.67 $M_{\theta\phi}$0.83 $M_{\phi r}$-0.68 NP1:ϕ_s191.79937°,δ61.79566°,λ130.57389°. NP2:ϕ_s310.69461°,δ47.98057°,λ39.50636°. Principal axes: T 1.9298,Plg53.8539°,Azm153.0355°; N 0.1568,Plg34.9738°,Azm349.7658°; P -2.0866,Plg7.9977°,Azm254.1254° $M_0$2.01281×10^{18}

MOS Error ellipse: s-maj=5.4km s-min=3.8km az=102.5. Moment Tensor Solution.

IPGP Moment Tensor Solution. NP1:ϕ_s191.00000°,δ56.00000°,λ126.00000°. NP2:ϕ_s319.00000°,δ48.00000°,λ49.00000°.

NEIC Event type se.

ISC-P Moment Tensor Solution. s49 Moment tensor: Scale 10^{18}Nm; M_{rr}0.21±.09 $M_{\theta\theta}$0.47±.14; $M_{\phi\phi}$-0.68±.13; $M_{r\theta}$-0.19±.23; $M_{\theta\phi}$0.26±.17; $M_{\phi r}$-0.18±.12; NP1:ϕ_s231.20000°,δ58.20000°,λ166.90000°. NP2:ϕ_s328.20000°,δ78.90000°,λ32.50000°. $M_0$9.89000×10^{18}

NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.9km az=326.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.93 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.34 $M_{r\theta}$-0.39 $M_{\theta\phi}$0.81 $M_{\phi r}$-0.28 NP1:ϕ_s306.12000°,δ54.21000°,λ39.45000°. NP2:ϕ_s190.42000°,δ58.97000°,λ136.96000°. Principal axes: T 1.3102,Plg51.0000°,Azm156.0000°; N 0.3488,Plg39.0000°,Azm342.0000°; P -1.6590,Plg3.0000°,Azm249.0000° $M_0$1.52000×10^{18}

IDC Error ellipse: s-maj=11.2km s-min=8.1km az=143.0.

JMA Event type fe. KURILE ISLANDS REGION .

GFZ Error ellipse: s-maj=3.4km s-min=2.6km az=115.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109202025A. Moment Tensor Solution. s159,c390; s168,c657;Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}1.29±.01 $M_{\theta\theta}$0.95±.01; $M_{\phi\phi}$-2.25±.01; $M_{r\theta}$-1.02±.01; $M_{\theta\phi}$1.13±.01; $M_{\phi r}$-0.36±.01; Best double couple: NP1:ϕ_s307.00000°,δ60.00000°,λ35.00000°. NP2:ϕ_s198.00000°,δ61.00000°,λ145.00000°. Principal axes: T 2.3810,Plg45.0000°,Azm162.0000°; N 0.2190,Plg45.0000°,Azm343.0000°; P -2.6090,Plg1.0000°,Azm253.0000° $M_0$2.49500×10^{18}

BGR Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 5s8 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.60 $M_{r\theta}$-0.92 $M_{\theta\phi}$0.62 $M_{\phi r}$-0.20 NP1:ϕ_s186.81000°,δ49.75000°,λ128.17000°. NP2:ϕ_s316.24000°,δ53.12000°,λ53.87000°. Principal axes: T 2.0213,Plg62.0000°,Azm164.0000°; N -0.2181,Plg28.0000°,Azm340.0000°; P -1.8032,Plg2.0000°,Azm71.0000° $M_0$1.92000×10^{18}

(685) Easter Island region

ISC	**IX**	**21 10 14 45.0–.61**	**27.04S–.08**	**113.19W–.06**	**11–3**	**5.2b,5.0s**	**234**	**3-166**
IDC	IX	21 10 14 43.7–.51	26.92S	113.21W	0	4.9s,4.4b	**¶621093851**	
NEIC	IX	21 10 14 45.6–.86	27.1S–.10	113.13W–.10	10–1	5.4,5.2b		
GFZ	IX	21 10 14 48.7–.46	27S–6.0	113W–7.0	10	5.7b,5.3		
GCMT	IX	21 10 14 48.9–.10	27.12S–.01	113.28W–.01	12	5.3W,5.3		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109211014A. Moment Tensor Solution. s107,c181; s143,c260;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27±.01 $M_{\theta\theta}$-0.63±.01; $M_{\phi\phi}$0.90±.01; $M_{r\theta}$0.15±.04; $M_{\theta\phi}$-1.01±.01; $M_{\phi r}$-0.24±.04; Best double couple: NP1:ϕ_s199.00000°,δ82.00000°,λ5.00000°. NP2:ϕ_s108.00000°,δ85.00000°,λ172.00000°. Principal axes: T 1.4540,Plg9.0000°,Azm64.0000°; N -0.3190,Plg80.0000°,Azm255.0000°; P -1.1340,Plg2.0000°,Azm154.0000° $M_0$1.29400×10^{17}

(211) Southeast of Honshu

ISC	**IX**	**21 10 19 55.6–.36**	**29.64N–.03**	**142.41E–.03**	**12–1**	**5.2s,5.2b**	**960**	**3-153**
BGR	IX	21 10 19 51.5	28.26N	143.21E	33	5.4s,5.1b	**¶621093852**	
KEA	IX	21 10 19 51.4	28.58N	142.32E	33	5.2s,5.1b		
BJI	IX	21 10 19 52.8	29.61N	142.34E	10	5.5s,5.4		
IDC	IX	21 10 19 54.0–.39	29.50N	142.32E	0	5.1b,5.0		
MOS	IX	21 10 19 54.3–.93	29.63N	142.33E	10	5.5b,5.2s		
NIED	IX	21 10 19 54.4	29.71N	142.78E	44	5.5W,5.2s		
JMA	IX	21 10 19 54.4–.24	29.7N–.50	143E–3.0	44	5.8,5.3W		
GFZ	IX	21 10 19 54.8–.42	30N–3.0	143E–5.0	10	5.6b,5.5		
NEIC	IX	21 10 19 56.3–.93	29.65N–.05	142.39E–.07	10–1	5.2b,5.2		
GCMT	IX	21 10 20 00.3–.10	29.61N–.01	142.54E–.01	12–0	5.2W,5.2		

ISC Event type ke.

BGR Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-0.88 $M_{r\theta}$-0.59 $M_{\theta\phi}$0.18 $M_{\phi r}$1.40 NP1:ϕ_s183.00000°,δ16.00000°,λ114.00000°. NP2:ϕ_s338.00000°,δ76.00000°,λ84.00000°. $M_0$1.75000×10^{17}

JMA Event type ke. NEAR TORISHIMA IS .

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109211019A. Moment Tensor Solution. s82,c131; s137,c245;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.02 $M_{\theta\theta}$-0.02±.01; $M_{\phi\phi}$-0.68±.01; $M_{r\theta}$-0.17±.03; $M_{\theta\phi}$0.07±.01; $M_{\phi r}$0.43±.03; Best double couple: NP1:ϕ_s182.00000°,δ29.00000°,λ104.00000°. NP2:ϕ_s346.00000°,δ62.00000°,λ82.00000°. Principal axes: T 0.8430,Plg72.0000°,Azm238.0000°; N -0.0240,Plg7.0000°,Azm350.0000°; P -0.8190,Plg16.0000°,Azm82.0000° $M_0$0.83100×10^{17}

(135) Near coast of central Chile

ISC	**IX**	**21 13 14 32.3–.50**	**36.77S–.02**	**73.92W–.03**	**6–2**	**6.3s,5.7b**	**905**	**2-178**
SJA	IX	21 13 14 12.0–.33	36.50S	76.04W	10	6.1L,6.1W	**¶621094394**	
GUC	IX	21 13 14 25.0–.49	36.73S	74.93W	10	5.8L,6.1W		
IDC	IX	21 13 14 30.9–.36	36.77S	73.73W	0	6.2s,5.0b		
IPGP	IX	21 13 14 30.0	36.79S	74.03W	16	6.5W,5.0b		
VAO	IX	21 13 14 31.6–1.3	36.67S	73.91W	10	5.6b,5.0b		
NEIC	IX	21 13 14 31.4	36.78S	74.09W	22	5.6b,5.0b		
NEIC	IX	21 13 14 31.1	36.79S	73.98W	14	5.6b,5.0b		
NEIC	IX	21 13 14 32.0–1.4	36.78S–.05	73.93W–.08	19–3	6.6,6.3		
GFZ	IX	21 13 14 32.9–.19	37S–1.0	74W–3.0	10	6.4b,6.2		
GFZ	IX	21 13 14 33.0	36.78S	73.71W	10	6.3W,6.2		
BJI	IX	21 13 14 33.4	36.70S	73.90W	10	6.5s,6.5		
PTWC	IX	21 13 14 33	36.80S	74.00W	16	6.3,6.5		
MOS	IX	21 13 14 34.0–1.7	36.71S	73.46W	19	6.4s,5.6b		
GCMT	IX	21 13 14 45.7–.00	36.82S	74.28W	12	6.4W,5.6b		
NEIC	IX	21 13 14 53.1	36.78S	74.09W	22	6.4,5.6b		
BGR	IX	21 13 14 56.7	35.09S	73.32W	33	6.4s,5.6b		
OSUNB	IX	21 13 15 04.9–1.2	35.83S	72.75W	239–9	6.2b,5.6b		

ISC Event type ke.

SJA Event type se. Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0. Presumed earthquake.

GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0. Presumed earthquake.

IDC Error ellipse: s-maj=14.3km s-min=10.3km az=87.0.

IPGP Moment Tensor Solution. NP1:ϕ_s21.00000°,δ18.00000°,λ113.00000°. NP2:ϕ_s177.00000°,δ74.00000°,λ83.00000°.

VAO Event type se. Error ellipse: s-maj=15.1km s-min=10.0km az=-1.0. Presumed earthquake.

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.6km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.13 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-1.25 $M_{r\theta}$0.19 $M_{\theta\phi}$-0.71 $M_{\phi r}$-2.59 NP1:ϕ_s49.99000°,δ19.06000°,λ139.89000°. NP2:ϕ_s178.52000°,δ77.86000°,λ75.20000°. Principal axes: T 2.8977,Plg55.0000°,Azm70.0000°; N 0.0850,Plg14.0000°,Azm182.0000°; P -2.9827,Plg31.0000°,Azm281.0000° $M_0$2.94000×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.56 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-1.51 $M_{r\theta}$-0.22 $M_{\theta\phi}$-0.29 $M_{\phi r}$-3.69 NP1:ϕ_s183.97989°,δ78.59335°,λ87.31678°. NP2:ϕ_s17.31119°,δ11.71392°,λ103.06327°. Principal axes: T 4.0206,Plg56.3280°,Azm90.5570°; N -0.0145,Plg2.6302°,Azm184.5109°; P -4.0061,Plg33.5411°,Azm276.2560° $M_0$4.01340×10^{18}

MOS Error ellipse: s-maj=12.5km s-min=7.3km az=90.3.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109211314A. Moment Tensor Solution. s158,c374; s163,c679;Duration: 3s9 Moment tensor: Scale 10^{18}Nm; M_{rr}2.67±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-2.70±.01; $M_{r\theta}$-0.83±.03; $M_{\theta\phi}$-0.40±.01; $M_{\phi r}$-4.39±.03; Best double couple: NP1:ϕ_s6.00000°,δ16.00000°,λ86.00000°. NP2:ϕ_s190.00000°,δ74.00000°,λ91.00000°. Principal axes: T 5.1860,Plg61.0000°,Azm102.0000°; N 0.0860,Plg1.0000°,Azm10.0000°; P -5.2690,Plg29.0000°,Azm279.0000° $M_0$5.22700×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 8s5 Moment tensor: Scale 10^{18}Nm; M_{rr}4.35 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-4.04 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.64 $M_{\phi r}$-3.41 NP1:ϕ_s11.27000°,δ25.57000°,λ93.31000°. NP2:ϕ_s187.60000°,δ64.48000°,λ88.42000°. Principal axes: T 5.5683,Plg70.0000°,Azm94.0000°; N -0.2108,Plg1.0000°,Azm188.0000°; P -5.3575,Plg19.0000°,Azm279.0000° $M_0$5.47000×10^{18}

BGR Event type ke.

OSUNB Event type ke. Error ellipse: s-maj=5.6km s-min=5.9km az=0.0.

(263) Talaud Islands

ISC	**IX**	**21 13 59 54.3–.34**	**4.64N–.04**	**126.86E–.05**	**50**	**4.6b**	**205**	**1-91**
IDC	IX	21 13 59 48.0–.52	4.57N	126.53E	0	5.4s,4.3L	**¶621094401**	
DJA	IX	21 13 59 52.9–.80	5N–3.0	127E–2.0	24–7	5.5b,5.0		
BJI	IX	21 13 59 54.9	4.65N	126.46E	52	4.7b,5.0		
GFZ	IX	21 13 59 54.4–.20	5N–2.0	127E–3.0	64	5.2b,4.5		
NEIC	IX	21 13 59 55.5–1.1	4.61N–.06	126.78E–.08	54–7	4.7b,4.5		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(391) Albania

ISC	**IX**	**21 14 04 37.2–.83**	**41.45N–.01**	**20.02E–.01**	**9–6**	**4.1b**	**378**	**0-66**
NAO	IX	21 14 04 09.2	39.47N	25.14E	33	3.5b	**¶621094400**	
RHSSO	IX	21 14 04 35.6–.74	41.26N	19.97E	7–3	4.0L		
TIR	IX	21 14 04 36.8	41.45N	20.04E	10	3.7L		
ROM	IX	21 14 04 36.6–.13	41.441N–.01	20.021E–.01	9–0	3.7L		
PDG	IX	21 14 04 36.0–.16	41.41N	20.03E	4–0	4.0,3.9L		
PRU	IX	21 14 04 37.0	41.43N	20.79E	10	4.0,3.9L		
NEIC	IX	21 14 04 37.8–1.9	41.48N–.05	19.93E–.06	10–2	4.0b,3.9L		
BEO	IX	21 14 04 37.1–.40	41.41N	20.12E	1–2	3.4L,3.9L		
SKO	IX	21 14 04 37.4	41.44N	20.02E	7	3.6L,3.9L		
THE	IX	21 14 04 37.3	41N–2.0	20E–3.0	0–5	3.4,3.4		
GFZ	IX	21 14 04 38.8–.18	41N–2.0	20E–2.0	10	5.6b,5.1		
IDC	IX	21 14 04 39.5–2.5	41.90N	20.11E	0	3.7b,3.6		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
TIR Event type se. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.4km az=126.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.6km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=36.8km s-min=16.4km az=10.0.

(250) Mindoro

ISC	**IX**	**21 16 43 05.5–.37**	**13.25N–.02**	**120.52E–.03**	**53–3**	**5.0b,4.2s**	**589**	**0-151**
BJI	IX	21 16 42 59.5	13.04N	120.85E	35	4.9b,4.7b		**¶621094406**
GFZ	IX	21 16 43 02.8–.18	13N–2.0	121E–3.0	10	5.1b,5.0b		
MAN	IX	21 16 43 03.6	13.23N	120.45E	30	5.6b,4.9s		
DJA	IX	21 16 43 06.2–1.4	13N–2.0	121E–3.0	18–12	5.3,5.2b		
IDC	IX	21 16 43 07.0–.82	13.35N	120.77E	71–6	4.7,4.4b		
NEIC	IX	21 16 43 08.7–1.2	13.34N–.07	120.7E–.10	81–5	4.9b,4.4b		

ISC Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe. INTENSITY IV - ABRA DE ILOG MAMBURAO AND PALUAN OCCIDENTAL MINDORO; PUERTO GALERA ORIENTAL MINDORO ; . INTENSITY III - BATANGAS CITY CALACA MABINI MALVAR SAN PASCUAL AND TINGLOY BATANGAS ; . INTENSITY II - QUEZON CITY; BAUAN CITY OF LIPA NASUGBU AND SAN JOSE BATANGAS; CITY OF TAGAYTAY CAVITE ; . INTENSITY I - TALISAY BATANGAS.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(603) Near southeast coast of Australia

ISC	**IX**	**21 23 15 53.9–.24**	**37.54S–.03**	**146.33E–.02**	**9–1**	**5.8b,5.7s**	**1649**	**1-166**
BJI	IX	21 23 15 50.7	37.80S	146.63E	13	5.8s,5.8b		**¶621094758**
MOS	IX	21 23 15 52.1–1.4	37.45S	146.26E	8	5.8b,5.6s		
IDC	IX	21 23 15 52.1–.39	37.53S	145.89E	0	5.9L,5.4s		
NOU	IX	21 23 15 52.1	37.46S	146.33E	1	5.6,5.4s		
PTWC	IX	21 23 15 52	37.50S	146.30E	10	6.1,5.4s		
NEIC	IX	21 23 15 53.6–1.7	37.49S–.06	146.35E–.04	12–1	5.9,5.8b		
NEIC	IX	21 23 15 53.4	37.49S	146.36E	10	5.9,5.8b		
NEIC	IX	21 23 15 53.3	37.49S	146.36E	10	5.9,5.8b		
IPGP	IX	21 23 15 53.0	37.49S	146.36E	17	5.9W,5.8b		
AUST	IX	21 23 15 54.2–.10	37S–2.0	146E–1.0	10	6.0L,5.9b		
GFZ	IX	21 23 15 54.9	37.51S	146.40E	19	5.9W,5.9b		
GFZ	IX	21 23 15 54.4–.13	38S–2.0	146E–2.0	16–0	6.9L,6.1b		
BGR	IX	21 23 15 56.0	37.64S	146.76E	33	5.7s,6.1b		
GCMT	IX	21 23 15 56.4–.10	37.47S	146.27E	18–0	5.9W,6.1b		
NEIC	IX	21 23 15 57.8	37.69S	146.36E	22	5.9,6.1b		

ISC Event type ke.
MOS Error ellipse: s-maj=9.8km s-min=6.2km az=100.8.
IDC Error ellipse: s-maj=23.7km s-min=11.0km az=69.0.
NOU Near SE Coast of Australia.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.6km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$2.40 $M_{\phi\phi}$-3.12 $M_{r\theta}$-0.35 $M_{\theta\phi}$-7.08 $M_{\phi r}$-0.45 NP1:ϕ_s349.28000°,δ87.16000°,λ-2.45000°. NP2:ϕ_s79.40000°,δ87.55000°,λ-177.16000°. Principal axes: T 7.2381,Plg0.0000°,Azm214.0000°; N 0.7559,Plg86.0000°,Azm120.0000°; P -7.9940,Plg4.0000°,Azm304.0000° $M_0$7.64000×10^{17}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s175.00000°,δ86.00000°,λ-13.00000°. NP2:ϕ_s266.00000°,δ77.00000°,λ-175.00000°.
AUST Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=9.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98 $M_{\theta\theta}$2.14 $M_{\phi\phi}$-1.16 $M_{r\theta}$1.63 $M_{\theta\phi}$-8.06 $M_{\phi r}$1.60 NP1:ϕ_s172.95246°,δ76.97758°,λ-11.08257°. NP2:ϕ_s265.47970°,δ79.20592°,λ-166.73878°. Principal axes: T 8.7210,Plg1.5419°,Azm38.9912°; N -0.2906,Plg72.9624°,Azm303.9521°; P -8.4304,Plg16.9634°,Azm129.4617° $M_0$8.57939×10^{17}
GFZ Error ellipse: s-maj=5.0km s-min=4.0km az=55.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109212315A. Moment Tensor Solution. s151,c347; s163,c563;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.05±.01 $M_{\theta\theta}$0.21±.01; $M_{\phi\phi}$-0.26±.01; $M_{r\theta}$-0.24±.01; $M_{\theta\phi}$-0.92±.01; $M_{\phi r}$0.06±.01; Best double couple: NP1:ϕ_s353.00000°,δ76.00000°,λ6.00000°. NP2:ϕ_s262.00000°,δ84.00000°,λ166.00000°. Principal axes: T 0.9750,Plg14.0000°,Azm217.0000°; N 0.0040,Plg75.0000°,Azm60.0000°; P -0.9800,Plg6.0000°,Azm308.0000° $M_0$0.97700×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29 $M_{\theta\theta}$2.91 $M_{\phi\phi}$-2.62 $M_{r\theta}$-1.50 $M_{\theta\phi}$-7.82 $M_{\phi r}$2.05 NP1:ϕ_s259.38000°,δ75.43000°,λ173.92000°. NP2:ϕ_s350.91000°,δ84.11000°,λ14.65000°. Principal axes: T 9.0613,Plg14.0000°,Azm216.0000°; N -0.8316,Plg74.0000°,Azm12.0000°; P -8.2297,Plg6.0000°,Azm124.0000° $M_0$8.68000×10^{17}

(83) South of Panama

ISC	**IX**	**22 01 25 08.2–.89**	**7.37N–.03**	**82.73W–.03**	**16–5**	**4.7b,4.3s**	**652**	**1-154**
IDC	IX	22 01 25 05.9–.71	7.37N	82.61W	0	4.3,4.3s		**¶625372814**
UCR	IX	22 01 25 07.8–.73	7.35N	82.77W	15–12	5.5W,4.3s		
UPA	IX	22 01 25 07.6–2.0	7.37N	82.80W	6–5	5.1W,4.3s		
GFZ	IX	22 01 25 08.7	7.32N	82.83W	17	5.1W,4.3s		
NEIC	IX	22 01 25 08.6–1.4	7.40N–.05	82.74W–.06	14–4	4.8b,4.3s		
NEIC	IX	22 01 25 08.8	7.42N	82.75W	13	4.8b,4.3s		
GFZ	IX	22 01 25 08.7–.22	7N–3.0	83W–4.0	10	5.7L,5.5b		
CATAC	IX	22 01 25 12.0–.43	8N–2.0	83W–1.0	22–4	5.4b,5.4		
GCMT	IX	22 01 25 13.3–.10	7.37N–.01	82.81W–.01	22–0	5.2W,5.4		
NEIC	IX	22 01 25 18.3	7.42N	82.75W	14	5.2,5.4		
SNET	IX	22 01 26 42.2–4.3	12N–23	87W–28	10	4.1,4.1		

ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.47 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$0.29 $M_{r\theta}$-0.43 $M_{\theta\phi}$5.73 $M_{\phi r}$1.07 NP1:ϕ_s354.64410°,δ89.00423°,λ168.90293°. NP2:ϕ_s84.83939°,δ78.90463°,λ1.01474°. Principal axes: T 5.1721,Plg8.5322°,Azm309.2037°; N 1.5116,Plg78.8589°,Azm169.5807°; P -6.6837,Plg7.1108°,Azm40.2761° $M_0$6.07076×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.11 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$-0.56 $M_{r\theta}$-0.90 $M_{\theta\phi}$3.10 $M_{\phi r}$0.68 NP1:ϕ_s90.06211°,δ86.14100°,λ-13.94643°. NP2:ϕ_s181.01962°,δ76.08583°,λ-176.02416°. Principal axes: T 2.5612,Plg7.0334°,Azm136.3159°; N 1.3371,Plg75.5397°,Azm254.8986°; P -3.8983,Plg12.5696°,Azm44.7395° $M_0$3.43104×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.86 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-0.24 $M_{r\theta}$-1.03 $M_{\theta\phi}$3.02 $M_{\phi r}$0.76 NP1:ϕ_s179.52473°,δ75.07020°,λ-173.15032°. NP2:ϕ_s87.75212°,δ83.38260°,λ-15.03228°. Principal axes: T 2.6152,Plg5.7789°,Azm134.4065°; N 1.1913,Plg73.6064°,Azm244.5275°; P -3.8065,Plg15.2875°,Azm42.8213° $M_0$3.37254×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109220125A. Moment Tensor Solution. s80,c115; s129,c237;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.50±.18 $M_{\theta\theta}$-2.10±.13; $M_{\phi\phi}$1.60±.16; $M_{r\theta}$-1.53±.23; $M_{\theta\phi}$8.42±.14; $M_{\phi r}$0.20±.26; Best double couple: NP1:ϕ_s174.00000°,δ80.00000°,λ-179.00000°. NP2:ϕ_s84.00000°,δ89.00000°,λ-10.00000°. Principal axes: T 8.4530,Plg6.0000°,Azm129.0000°; N 0.6010,Plg80.0000°,Azm255.0000°; P -9.0530,Plg8.0000°,Azm38.0000° $M_0$8.75300×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.58 $M_{\theta\theta}$-2.18 $M_{\phi\phi}$1.60 $M_{r\theta}$-2.34 $M_{\theta\phi}$6.18 $M_{\phi r}$-2.18 NP1:ϕ_s168.77000°,δ69.36000°,λ165.90000°. NP2:ϕ_s263.83000°,δ76.82000°,λ21.22000°. Principal axes: T 7.5898,Plg24.0000°,Azm128.0000°; N -0.7793,Plg65.0000°,Azm294.0000°; P -6.8105,Plg5.0000°,Azm35.0000° $M_0$7.23000×10^{16}
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

(153) South Sandwich Islands region

ISC	**IX**	**22 08 27 37.0–.32**	**59.38S–.06**	**25.82W–.07**	**40**	**5.0b,4.3s**	**175**	**8-158**
IDC	IX	22 08 27 30.7–.43	59.27S	25.89W	0	5.8L,4.7b		**¶621094787**
NEIC	IX	22 08 27 36.8–1.9	59.36S–.09	25.9W–.20	35–1	4.9b,4.7b		
GCMT	IX	22 08 27 39.8–.20	59.64S–.02	25.29W–.03	43–0	5.0W,4.7b		
GFZ	IX	22 08 27 42.4–.77	60S–7.0	26W–7.0	88–8	5.8b,5.5L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109220827A. Moment Tensor Solution. s78,c108; s80,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.05±.16 $M_{\theta\theta}$0.74±.14; $M_{\phi\phi}$-4.80±.11; $M_{r\theta}$0.12±.11; $M_{\theta\phi}$-1.89±.08; $M_{\phi r}$0.27±.10; Best double couple: NP1:ϕ_s196.00000°,δ43.00000°,λ89.00000°. NP2:ϕ_s18.00000°,δ47.00000°,λ91.00000°. Principal axes: T 4.0600,Plg88.0000°,Azm308.0000°; N 1.3270,Plg1.0000°,Azm197.0000°; P -5.3920,Plg2.0000°,Azm107.0000° $M_0$4.72600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(74) Near coast of Nicaragua

ISC	**IX**	**22 09 57 09.0–.33**	**12.13N–.02**	**87.78W–.02**	**47–2**	**6.4s,5.8b**	**2263**	**1-166**
SNET	IX	22 09 57 04.7–.58	12N–3.0	88W–3.0	6–4	6.5,6.5		**¶621094948**
CATAC	IX	22 09 57 05.3–.23	12N–1.0	87.9W–.70	6–1	6.6b,6.3b		
GFZ	IX	22 09 57 07.1	12.22N	87.69W	26	6.5W,6.3b		
UCR	IX	22 09 57 07.4–1.2	12.09N	87.78W	23–14	6.1W,6.3b		
NEIC	IX	22 09 57 07.5	12.16N	87.86W	24	6.1W,6.3b		
PTWC	IX	22 09 57 07	12.10N	87.80W	10	6.5,6.3b		
NEIC	IX	22 09 57 07.0–2.2	12.14N–.05	87.87W–.05	21–1	6.4,6.4		
GFZ	IX	22 09 57 07.1–.28	12N–1.0	88W–2.0	22–1	6.6b,6.4		
IPGP	IX	22 09 57 08.0	12.16N	87.85W	27	6.5W,6.4		
MOS	IX	22 09 57 09.1–1.3	12.28N	87.62W	55	6.3s,6.0b		
NEIC	IX	22 09 57 09.2	12.13N	87.85W	33	6.3s,6.0b		
IDC	IX	22 09 57 09.0–1.0	12.37N	87.51W	46–8	6.2s,5.2		
BGR	IX	22 09 57 10.5	12.20N	86.31W	33	6.5s,6.4		
BJI	IX	22 09 57 10.0	12.10N	87.65W	50	6.6s,6.5		
GCG	IX	22 09 57 11.1–1.9	12.21N	88.13W	8–130	5.9L,5.1		
OSUNB	IX	22 09 57 11.0–.46	12.55N	87.24W	65–4	5.7b,5.1		
GCMT	IX	22 09 57 13.4–.00	11.92N	87.99W	28–0	6.5W,5.1		
NEIC	IX	22 09 57 20.1	11.83N	87.95W	30	6.5,5.1		

ISC Event type ke.
SNET Error ellipse: s-maj=8.0km s-min=4.3km az=51.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC Event type se. Error ellipse: s-maj=2.5km s-min=1.1km az=31.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}3.95 $M_{\theta\theta}$-3.56 $M_{\phi\phi}$-0.39 $M_{r\theta}$-0.12 $M_{\theta\phi}$2.48 $M_{\phi r}$0.01 NP1:ϕ_s119.61629°,δ44.32224°,λ91.34757°. NP2:ϕ_s297.73302°,δ45.69324°,λ88.68429°. Principal axes: T 3.9561,Plg88.8353°,Azm154.7204°; N 0.9627,Plg0.9415°,Azm298.6521°; P -4.9187,Plg0.6856°,Azm28.6634° $M_0$4.51503×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}5.15 $M_{\theta\theta}$-3.54 $M_{\phi\phi}$-1.60 $M_{r\theta}$-1.06 $M_{\theta\phi}$2.67 $M_{\phi r}$0.98 NP1:ϕ_s122.81295°,δ37.45694°,λ86.52687°. NP2:ϕ_s307.18508°,δ52.62364°,λ92.65735°. Principal axes: T 5.3428,Plg82.1197°,Azm231.0193°; N 0.2603,Plg2.1114°,Azm125.5712°; P -5.6031,Plg7.5887°,Azm35.2898° $M_0$5.47758×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}4.63 $M_{\theta\theta}$-4.36 $M_{\phi\phi}$-0.27 $M_{r\theta}$-0.12 $M_{\theta\phi}$2.25 $M_{\phi r}$0.61 NP1:ϕ_s106.58471°,δ43.44176°,λ79.41431°. NP2:ϕ_s301.01893°,δ47.47480°,λ99.86929°. Principal axes: T 4.7024,Plg82.4608°,Azm278.4985°; N 0.6623,Plg7.2569°,Azm114.3122°; P -5.3648,Plg2.0326°,Azm24.0532° $M_0$5.06617×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}4.27 $M_{\theta\theta}$-2.93 $M_{\phi\phi}$-1.34 $M_{r\theta}$1.34 $M_{\theta\phi}$2.17 $M_{\phi r}$-1.18 NP1:ϕ_s127.41608°,δ56.12448°,λ92.87772°. NP2:ϕ_s302.26283°,δ33.98299°,λ85.72331°. Principal axes: T 4.6227,Plg78.6578°,Azm47.8153°; N 0.1667,Plg2.3889°,Azm305.8111°; P -4.7893,Plg11.0813°,Azm215.3430° $M_0$4.70820×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}5.49 $M_{\theta\theta}$-3.60 $M_{\phi\phi}$-1.89 $M_{r\theta}$0.68 $M_{\theta\phi}$2.81 $M_{\phi r}$-0.73 NP1:ϕ_s128.49908°,δ49.99289°,λ92.52671°. NP2:ϕ_s304.57241°,δ40.07343°,λ86.99329°. Principal axes: T 5.5806,Plg84.6717°,Azm58.1134°; N 0.1896,Plg1.9351°,Azm306.8741°; P -5.7702,Plg4.9626°,Azm216.7060° $M_0$5.67778×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}3.00 $M_{\theta\theta}$-1.71 $M_{\phi\phi}$-1.29 $M_{r\theta}$1.06 $M_{\theta\phi}$1.22 $M_{\phi r}$-0.96 NP1:ϕ_s131.08696°,δ58.22244°,λ90.86973°. NP2:ϕ_s309.43577°,δ31.78821°,λ88.59638°. Principal axes: T 3.3368,Plg76.7602°,Azm43.7731°; N -0.2609,Plg0.7393°,Azm310.6289°; P -3.0760,Plg13.2184°,Azm220.4552° $M_0$3.21434×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}5.07 $M_{\theta\theta}$-3.24 $M_{\phi\phi}$-1.83 $M_{r\theta}$2.29 $M_{\theta\phi}$2.94 $M_{\phi r}$-3.34 NP1:ϕ_s139.02241°,δ63.89485°,λ100.34305°. NP2:ϕ_s296.49520°,δ27.94522°,λ69.87685°. Principal axes: T 6.5493,Plg69.3572°,Azm70.1296°; N 0.2887,Plg9.2781°,Azm314.4310°; P -6.8380,Plg18.2711°,Azm221.3392° $M_0$6.69832×10^{18}
UCR Event type se. Error ellipse: s-maj=7.8km s-min=14.5km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.5km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}3.62 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-2.27 $M_{r\theta}$0.87 $M_{\theta\phi}$2.71 $M_{\phi r}$-1.06 NP1:ϕ_s319.44000°,δ35.73000°,λ89.40000°. NP2:ϕ_s140.17000°,δ54.27000°,λ90.43000°. Principal axes: T 3.8457,Plg81.0000°,Azm52.0000°; N 0.9352,Plg0.0000°,Azm320.0000°; P -4.7809,Plg9.0000°,Azm230.0000° $M_0$4.39000×10^{18}
GFZ Error ellipse: s-maj=4.7km s-min=3.0km az=73.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s302.00000°,δ31.00000°,λ80.00000°. NP2:ϕ_s133.00000°,δ59.00000°,λ96.00000°.
MOS Error ellipse: s-maj=7.3km s-min=4.3km az=105.2.
NEIC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=7.4km az=51.0.
BGR Event type ke.
GCG Event type se. Error ellipse: s-maj=80.7km s-min=57.9km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=4.4km s-min=5.3km az=0.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109220957A. Moment Tensor Solution. s163,c432; s167,c730;Duration: 4s6 Moment tensor: Scale 10^{18}Nm; M_{rr}5.80±.03 $M_{\theta\theta}$-3.93±.02; $M_{\phi\phi}$-1.87±.02; $M_{r\theta}$3.22±.05; $M_{\theta\phi}$3.34±.02; $M_{\phi r}$-4.51±.06; Best double couple: NP1:ϕ_s293.00000°,δ26.00000°,λ67.00000°. NP2:ϕ_s139.00000°,δ66.00000°,λ101.00000°. Principal axes: T 8.1070,Plg67.0000°,Azm69.0000°; N 0.2900,Plg10.0000°,Azm314.0000°; P -8.3970,Plg21.0000°,Azm221.0000° $M_0$8.25200×10^{18}
NEIC Event type se. Moment Tensor Solution. Duration: 8s9 Moment tensor: Scale 10^{18}Nm; M_{rr}5.99 $M_{\theta\theta}$-3.75 $M_{\phi\phi}$-2.24 $M_{r\theta}$1.62 $M_{\theta\phi}$3.66 $M_{\phi r}$-1.96 NP1:ϕ_s303.99000°,δ34.52000°,λ81.86000°. NP2:ϕ_s133.83000°,δ55.88000°,λ95.56000°. Principal axes: T 6.5053,Plg78.0000°,Azm64.0000°; N 0.6985,Plg5.0000°,Azm311.0000°; P -7.2039,Plg11.0000°,Azm220.0000° $M_0$6.88000×10^{18}

(266) Northern Molucca Sea

ISC	**IX**	**22 12 03 29.2–.34**	**1.79N–.03**	**126.51E–.03**	**31–2**	**5.3b,4.7s**	**1004**	**1-160**
BJI	IX	22 12 03 23.4	1.44N	126.51E	21	5.6b,5.2b		**¶621105923**
GFZ	IX	22 12 03 27.5–.15	2N–2.0	126E–3.0	10	5.9b,5.5		
GFZ	IX	22 12 03 27.1	1.78N	126.45E	27	5.2W,5.5		
MOS	IX	22 12 03 28.2–.84	1.80N	126.44E	37	5.6b,5.5		
IDC	IX	22 12 03 29.6–.90	1.72N	126.36E	39–7	5.0,4.8b		
DJA	IX	22 12 03 30.1–.10	2N–1.0	127E–1.0	32–1	5.9b,5.5		
NEIC	IX	22 12 03 30.1–1.6	1.81N–.05	126.59E–.07	34–5	5.4,5.4b		
GCMT	IX	22 12 03 35.2–.30	1.88N–.02	126.62E–.02	38–0	5.5W,5.4b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.54 $M_{\theta\theta}$1.27 $M_{\phi\phi}$-5.80 $M_{r\theta}$2.18 $M_{\theta\phi}$-5.16 $M_{\phi r}$-1.80 NP1:ϕ_s174.28126°,δ60.52775°,λ39.80703°. NP2:ϕ_s61.98651°,δ56.12673°,λ143.65977°. Principal axes: T 7.0575,Plg47.9029°,Azm30.1580°; N 1.4947,Plg41.9741°,Azm204.8377°; P -8.5523,Plg2.6488°,Azm297.2229° $M_0$7.91151×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221203A. Moment Tensor Solution. s48,c58; s84,c122; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.81±.12 $M_{\theta\theta}$-0.30±.07; $M_{\phi\phi}$-1.51±.07; $M_{r\theta}$0.58±.06; $M_{\theta\phi}$-1.06±.04; $M_{\phi r}$0.11±.07; Best double couple: NP1:ϕ_s195.00000°,δ41.00000°,λ67.00000°. NP2:ϕ_s45.00000°,δ52.00000°,λ109.00000°. Principal axes: T 1.9690,Plg74.0000°,Azm11.0000°; N 0.1940,Plg15.0000°,Azm213.0000° ; P -2.1640,Plg6.0000°,Azm121.0000° M_o2.06700×10^{17}

(74) Near coast of Nicaragua

ISC	**IX**	**22 12 27 08.6–.43**	**12.03N–.03**	**87.73W–.02**	**27–2**	**5.1b,4.5s**	**791**	**1-151**
IDC	IX	22 12 27 04.0–.39	12.21N	87.59W	0	4.7b,4.7		**¶625372592**
CATAC	IX	22 12 27 08.1–.44	12N–2.0	88W–2.0	16–3	5.3,5.3		
SNET	IX	22 12 27 09.6–.45	12N–2.0	88W–2.0	16–3	6.1b,6.1b		
NEIC	IX	22 12 27 11.5–1.9	12.10N–.05	87.65W–.05	39–7	5.2,5.1b		
NEIC	IX	22 12 27 11.4	12.11N	87.67W	35	5.2,5.1b		
GFZ	IX	22 12 27 13.8–.48	12N–3.0	88W–4.0	56–4	5.5b,5.3L		
UCR	IX	22 12 27 13.8–1.1	12.12N	87.42W	32–999	5.2W,5.3L		
BJI	IX	22 12 27 13.0	12.20N	87.60W	54	5.6s,5.4		
GCG	IX	22 12 27 14.3–.40	12.62N	87.48W	26–999	5.1,5.4		
GCMT	IX	22 12 27 15.6–.40	12.14N–.03	88.01W–.04	29–0	5.4W,5.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.04 $M_{\theta\theta}$-2.77 $M_{\phi\phi}$-0.27 $M_{r\theta}$2.31 $M_{\theta\phi}$1.73 $M_{\phi r}$0.22 NP1:ϕ_s98.24787°,δ63.04543°,λ69.84624°. NP2:ϕ_s317.24407°,δ33.19740°,λ124.11869°. Principal axes: T 4.0021,Plg65.8139°,Azm331.7606°; N 0.2041,Plg17.8853°,Azm107.6931° ; P -4.2063,Plg15.7344°,Azm202.9096° M_o4.10800×10^{16}
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.33 $M_{\theta\theta}$0.55 $M_{\phi\phi}$-2.88 $M_{r\theta}$3.83 $M_{\theta\phi}$-2.58 $M_{\phi r}$-5.10 NP1:ϕ_s53.92000°,δ29.25000°,λ161.42000°. NP2:ϕ_s160.27000°,δ81.04000°,λ62.04000°. Principal axes: T 8.2266,Plg47.0000°,Azm41.0000°; N -2.2167,Plg28.0000° ,Azm165.0000°; P -6.0099,Plg30.0000°,Azm273.0000° M_o7.37000×10^{16}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
UCR Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221227A. Moment Tensor Solution. s38,c46; s61,c73; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35±.09 $M_{\theta\theta}$-1.40±.07; $M_{\phi\phi}$0.04±.07; $M_{r\theta}$0.01±.10; $M_{\theta\phi}$0.34±.06; $M_{\phi r}$-0.63±.11; Best double couple: NP1:ϕ_s262.00000°,δ46.00000°,λ58.00000°. NP2:ϕ_s124.00000°,δ52.00000°,λ119.00000°. Principal axes: T 1.6090,Plg68.0000°,Azm96.0000°; N -0.1310,Plg22.0000°,Azm285.0000° ; P -1.4830,Plg3.0000°,Azm194.0000° M_o1.54600×10^{17}

(74) Near coast of Nicaragua

ISC	**IX**	**22 12 56 59.4–.32**	**12.07N–.02**	**87.69W–.02**	**34–1**	**5.6b,5.3s**	**1491**	**1-158**
IDC	IX	22 12 56 57.1–1.3	12.36N	87.47W	16–7	5.2,5.1b		**¶625372529**
CATAC	IX	22 12 56 59.2–.27	12N–1.0	87.7W–.80	21–2	6.1b,6.0b		
NEIC	IX	22 12 57 00.6	12.08N	87.67W	33	6.1b,6.0b		
NEIC	IX	22 12 57 00.2–1.6	12.10N–.06	87.67W–.05	29–5	5.8b,5.3		
BJI	IX	22 12 57 00.0	12.10N	87.70W	30	5.7s,5.7b		
GFZ	IX	22 12 57 00.3	12.20N	87.57W	33	5.6W,5.7b		
SNET	IX	22 12 57 00.6	12N–2.0	88W–2.0	10–2	5.8,5.8		
UCR	IX	22 12 57 02.1–1.4	12.07N	87.52W	29–14	5.6W,5.8		
GFZ	IX	22 12 57 03.7–.34	12N–2.0	88W–3.0	56–3	6.0b,5.8L		
PTWC	IX	22 12 57 03	12.10N	87.60W	59	5.7,5.8L		
MOS	IX	22 12 57 03.1–1.3	12.37N	87.27W	31	5.8b,5.3s		
GCG	IX	22 12 57 04.0–.64	12.19N	88.01W	156–80	6.1,5.3s		
GCMT	IX	22 12 57 04.3–.20	11.90N–.01	87.86W–.01	34–0	5.7W,5.3s		
NEIC	IX	22 12 57 08	12.18N	87.87W	26	5.6,5.3s		
BGR	IX	22 12 57 11.6	14.36N	86.32W	47–0	5.4s,5.2b		

ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=6.3km az=48.0.
CATAC Event type se. Error ellipse: s-maj=2.7km s-min=1.1km az=29.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.86 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$-0.61 $M_{r\theta}$1.07 $M_{\theta\phi}$1.13 $M_{\phi r}$-0.72 NP1:ϕ_s125.14302°,δ61.53111°,λ87.84753°. NP2:ϕ_s309.65135°,δ28.54335°,λ93.96223°. Principal axes: T 2.2410,Plg73.3808°,Azm29.8150°; N 0.2394,Plg1.8921°,Azm126.1694° ; P -2.4804,Plg16.5049°,Azm216.7303° M_o2.36979×10^{17}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.4km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.69 $M_{\theta\theta}$-2.15 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.81 $M_{\theta\phi}$1.24 $M_{\phi r}$-1.16 NP1:ϕ_s130.38878°,δ58.49627°,λ102.88753°. NP2:ϕ_s286.74245°,δ33.78514°,λ70.00296°. Principal axes: T 3.1004,Plg73.1760°,Azm73.4066°; N 0.0037,Plg10.9623°,Azm303.5708° ; P -3.1041,Plg12.6031°,Azm211.0887° M_o3.10228×10^{17}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
UCR Event type se. Error ellipse: s-maj=10.3km s-min=26.1km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=11.1km s-min=5.5km az=108.2.
GCG Event type se. Error ellipse: s-maj=28.3km s-min=32.0km az=-1.0. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221257A. Moment Tensor Solution. s116,c206; s135,c230;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.12±.08 $M_{\theta\theta}$-2.65±.06; $M_{\phi\phi}$-0.47±.06; $M_{r\theta}$1.71±.08; $M_{\theta\phi}$2.22±.04; $M_{\phi r}$-1.69±.10; Best double couple: NP1: ϕ_s290.00000°,δ29.00000°,λ72.00000°. NP2:ϕ_s131.00000°,δ62.00000°,λ100.00000°. Principal axes: T 3.9070,Plg71.0000°,Azm63.0000°; N 0.8310,Plg9.0000°,Azm306.0000° ; P -4.7370,Plg17.0000°,Azm214.0000° M_o4.32200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.83 $M_{\theta\theta}$-1.09 $M_{\phi\phi}$-0.75 $M_{r\theta}$0.89 $M_{\theta\phi}$1.47 $M_{\phi r}$-1.61 NP1:ϕ_s292.81000°,δ27.76000°,λ59.49000°. NP2:ϕ_s146.47000°,δ66.34000°,λ104.96000°. Principal axes: T 2.6154,Plg65.0000°,Azm83.0000°; N 0.4170,Plg14.0000°,Azm320.0000° ; P -3.0325,Plg20.0000°,Azm225.0000° M_o2.85000×10^{17}
BGR Event type ke.

(328) East of Lake Baykal

ISC	**IX**	**22 17 01 27.9–.46**	**56.45N–.02**	**117.80E–.02**	**9–2**	**5.5b,4.9s**	**1110**	**1-152**
IDC	IX	22 17 01 25.9–.34	56.34N	117.63E	0	4.9b,4.9		**¶621105934**
MOS	IX	22 17 01 26.0–1.1	56.26N	117.69E	10	5.6b,4.9s		
BYKL	IX	22 17 01 26.6–.19	56.34N	117.73E		5.6b,4.9s		
NEIC	IX	22 17 01 27.9–1.5	56.41N–.07	117.8E–.10	10–1	5.5b,5.3		
BJI	IX	22 17 01 27.0	56.22N	118.04E	9	6.0L,5.9s		
GCMT	IX	22 17 01 27.5–.10	56.41N–.01	117.72E–.01	12	5.2W,5.9s		
BGR	IX	22 17 01 29.1	56.88N	118.30E	12	5.4b,4.9s		
GFZ	IX	22 17 01 29.5	56.46N	117.78E	19	5.2W,4.9s		
GFZ	IX	22 17 01 29.6–.21	56N–3.0	118E–3.0	10	5.5b,5.4		

ISC Event type ke.
MOS Event type fe. Felt (IV) at Novaya Chara, Taksimo; (III-IV) at Mamakan; (III) at Bodaibo, Verkhnyaya Khila; (II) at Chita. Moment Tensor Solution.
BYKL Event type se. FELT I=IV MSK at Novaya Chara, Taksimo; III-IV at Mamakan; III at Bodaybo, Verkhnyaya Khila; II at Chita 2 b.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221701A. Moment Tensor Solution. s83,c145; s134,c258;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.68±.11 $M_{\theta\theta}$2.24±.11; $M_{\phi\phi}$1.44±.12; $M_{r\theta}$-1.61±.29; $M_{\theta\phi}$7.77±.09; $M_{\phi r}$2.48±.29; Best double couple: NP1:ϕ_s86.00000°,δ65.00000°,λ-24.00000°. NP2:ϕ_s187.00000°,δ68.00000°,λ-152.00000°. Principal axes: T 9.6430,Plg2.0000°,Azm316.0000°; N -1.7090,Plg55.0000°,Azm222.0000° ; P -7.9340,Plg34.0000°,Azm48.0000° M_o8.78900×10^{16}
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.40 $M_{\theta\theta}$3.15 $M_{\phi\phi}$0.25 $M_{r\theta}$-0.99 $M_{\theta\phi}$6.87 $M_{\phi r}$-0.75 NP1:ϕ_s276.05023°,δ86.88505°,λ5.03349°. NP2:ϕ_s185.77601°,δ84.97397°,λ176.87301°. Principal axes: T 8.8498,Plg5.7606°,Azm140.9815°; N -3.5252,Plg84.0827°,Azm307.7227° ; P -5.3246,Plg1.3480°,Azm50.8454° M_o7.71678×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(178) Kermadec Islands

ISC	**IX**	**22 17 33 02.7–.28**	**29.88S–.03**	**177.54W–.05**	**35**	**5.1b,4.1s**	**439**	**1-172**
NOU	IX	22 17 32 56.0	29.65S	176.20W	46	5.3b,4.1s		**¶621105938**
BJI	IX	22 17 32 58.1	29.74S	177.16W	14	5.5b,5.2b		
IDC	IX	22 17 32 58.0–.42	29.68S	177.54W	0	4.8b,4.8		
NEIC	IX	22 17 32 59.4–2.4	29.82S–.07	177.4W–.10	10–1	5.1b,4.8		
GFZ	IX	22 17 33 00.4–.24	30S–3.0	178W–4.0	10	5.2b,5.1b		
GCMT	IX	22 17 33 07.1–.30	29.56S–.02	177.18W–.02	41–0	5.0W,5.1b		

ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221733A. Moment Tensor Solution. s53,c71; s76,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.30±.21 $M_{\theta\theta}$-0.77±.13; $M_{\phi\phi}$-3.53±.12; $M_{r\theta}$0.16±.13; $M_{\theta\phi}$-1.36±.11; $M_{\phi r}$2.03±.12; Best double couple: NP1:ϕ_s209.00000°,δ33.00000°,λ102.00000°. NP2:ϕ_s15.00000°,δ58.00000°,λ83.00000°. Principal axes: T 4.8000,Plg76.0000°,Azm263.0000°; N -0.2800,Plg6.0000°,Azm19.0000° ; P -4.5180,Plg13.0000°,Azm110.0000° M_o4.65900×10^{16}

(250) Mindoro

ISC	**IX**	**22 19 47 07.1–.67**	**13.21N–.02**	**120.56E–.03**	**52–6**	**4.7b,3.8s**	**266**	**0-151**
MAN	IX	22 19 47 05.0	13.24N	120.44E	41	5.5b,4.7s		**¶621106352**
IDC	IX	22 19 47 07.8–1.2	13.36N	120.72E	63–10	4.4,4.1b		
GFZ	IX	22 19 47 09.8–.58	13N–3.0	121E–4.0	74–6	4.8b,4.8		
NEIC	IX	22 19 47 11.0–1.5	13.38N–.09	120.7E–.10	85–7	4.6b,4.8		
DJA	IX	22 19 47 27.7–1.4	14N–6.0	121E–5.0	312–23	5.6b,5.1		

ISC Event type fe.
MAN Event type fe. INTENSITY III - MAMBURAO PALUAN AND SANTA CRUZ OCCIDENTAL MINDORO ; . INTENSITY II - ABRA DE ILOG LUBANG AND SABLAYAN OCCIDENTAL MINDORO; POLA AND PUERTO GALERA ORIENTAL MINDORO ; . INTENSITY I - GLORIA ORIENTAL MINDORO.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**IX**	**23 16 02 02.7–.36**	**59.93S–.06**	**26.64W–.07**	**50**	**5.0b,4.1s**	**158**	**8-153**
IDC	IX	23 16 01 56.7–.55	59.79S	26.42W	0	4.6,4.5L		**¶621108682**
GFZ	IX	23 16 02 01.4–.27	60S–6.0	26W–5.0	50	5.8b,5.3		
NEIC	IX	23 16 02 02.7–1.3	59.85S–.09	26.6W–.20	45–6	4.9b,5.3		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(51) Off coast of central Mexico

ISC	**IX**	**23 16 47 48.7–.91**	**22.94N–.03**	**108.01W–.04**	**7–5**	**5.5b,5.5s**	**774**	**1-156**
IDC	IX	23 16 47 48.2–.58	22.93N	108.01W	0	5.5s,4.8b		**¶621125865**
BJI	IX	23 16 47 48.0	22.90N	108.00W	10	5.8s,5.8b		
ISC-P	IX	23 16 47 49	23.05N	107.95W	27–0	,5.8b		
NEIC	IX	23 16 47 49.1–1.6	23.05N–.04	107.95W–.05	10–1	5.7,5.6		
NEIC	IX	23 16 47 50.6	23.06N	107.93W	10	5.7,5.6		
MOS	IX	23 16 47 51.4–1.5	23.02N	107.85W	13	5.6b,5.5s		
GFZ	IX	23 16 47 51.8–.21	23N–3.0	108W–3.0	10	5.9b,5.5		
GFZ	IX	23 16 47 51.1	22.85N	107.95W	15	5.7W,5.5		
MEX	IX	23 16 47 53.8–.50	23.10N	107.99W	10–12	5.6,5.5		
BGR	IX	23 16 47 54.9	21.81N	107.52W	33	5.9s,5.0b		
GCMT	IX	23 16 47 56.5–.10	22.94N–.01	108.14W–.01	12	5.7W,5.0b		

ISC Event type ke.
ISC-P Moment Tensor Solution. s28 Moment tensor: M_{rr}-0.08±.11 $M_{\theta\theta}$-0.41±.21; $M_{\phi\phi}$0.48±.15; $M_{r\theta}$0.34±.17; $M_{\theta\phi}$-0.28±.14; $M_{\phi r}$-0.33±.13; NP1:ϕ_s299.30000°,δ88.60000°,λ218.30000°. NP2: ϕ_s208.20000°,δ51.70000°,λ-1.80000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$-3.75 $M_{\phi\phi}$3.25 $M_{r\theta}$-0.11 $M_{\theta\phi}$-2.28 $M_{\phi r}$-1.01 NP1:ϕ_s209.33000°,δ83.18000°,λ13.66000°. NP2:ϕ_s117.68000°,δ76.44000°,λ172.98000°. Principal axes: T 4.1655,Plg14.0000°,Azm74.0000° ; N 0.2970,Plg75.0000°,Azm235.0000°; P -4.4625,Plg5.0000°,Azm343.0000° M_o4.32000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$-3.50 $M_{\phi\phi}$3.99 $M_{r\theta}$0.42 $M_{\theta\phi}$-1.56 $M_{\phi r}$-0.15 NP1:ϕ_s303.88454°,δ87.30764°,λ-173.43856°. NP2:ϕ_s213.57498°,δ83.44584°,λ-2.71008°. Principal axes: T 4.3142,Plg2.7223°,Azm78.5744°; N -0.4607,Plg82.9099°,Azm326.0989° ; P -3.8534,Plg6.5417°,Azm168.8868° M_o4.10326×10^{17}
MEX Event type se. Presumed earthquake.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109231647A. Moment Tensor Solution. s134,c246; s141,c288;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67±.04 $M_{\theta\theta}$-3.66±.04; $M_{\phi\phi}$4.33±.04; $M_{r\theta}$-1.56±.11; $M_{\theta\phi}$-1.31±.04; $M_{\phi r}$-0.32±.11; Best double couple: NP1: ϕ_s128.00000°,δ74.00000°,λ-164.00000°. NP2:ϕ_s34.00000°,δ75.00000°,λ-17.00000°. Principal axes: T 4.5400,Plg1.0000°,Azm81.0000°; N -0.0110,Plg68.0000°,Azm173.0000° ; P -4.5250,Plg22.0000°,Azm351.0000° M_o4.53200×10^{17}

(328) East of Lake Baykal

ISC	**IX**	**23 17 05 26.9–.65**	**56.34N–.02**	**117.73E–.02**	**3–4**	**4.7b,4.5s**	**453**	**1-146**
MOS	IX	23 17 05 26.3–.91	56.32N	117.73E	8	4.8b,4.5s		**¶621108660**
IDC	IX	23 17 05 26.9–.43	56.35N	117.77E	0	5.3s,4.5L		
BYKL	IX	23 17 05 27.5–.17	56.33N	117.75E		5.3s,4.5L		
BJI	IX	23 17 05 27.3	56.30N	118.22E	8	5.2L,4.7s		
NEIC	IX	23 17 05 28.8–1.6	56.39N–.08	117.7E–.10	10–1	4.8b,4.7s		
GFZ	IX	23 17 05 29.9–.27	56N–5.0	118E–4.0	10	5.9b,5.8		

ISC Event type se.
MOS Event type fe. Felt (III-IV) at Novaya Chara. Moment Tensor Solution.
BYKL Event type se. FELT I=III-IV MSK at Novaya Chara.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(266) Northern Molucca Sea

ISC	**IX**	**24 06 36 17.5–.38**	**2.10N–.03**	**126.68E–.04**	**45–3**	**5.2b,4.6s**	**804**	**1-166**
IDC	IX	24 06 36 10.7–.36	2.08N	126.62E	0	4.8b,4.8		**¶625373326**
BJI	IX	24 06 36 14.5	1.99N	126.64E	39	5.0b,5.0b		
MOS	IX	24 06 36 14.6–1.0	2.07N	126.63E	35	5.5b,5.0s		
NEIC	IX	24 06 36 16.8	2.10N	126.69E	34	5.5b,5.0s		
GFZ	IX	24 06 36 16.6–.49	2N–2.0	127E–3.0	39–4	5.6b,5.4		
GFZ	IX	24 06 36 16.6	2.14N	126.71E	38	5.3W,5.4		
NEIC	IX	24 06 36 17.0–1.4	2.11N–.06	126.69E–.06	36–6	5.3b,5.4		
MAN	IX	24 06 36 17.4	2.05N	126.85E	84	5.6b,4.9s		
DJA	IX	24 06 36 18.0–.30	2N–2.0	127E–1.0	37–4	5.5b,5.4W		
GCMT	IX	24 06 36 20.9–.10	2.19N–.01	126.52E–.01	36–0	5.4W,5.4W		
NEIC	IX	24 06 36 26.5	2.10N	126.69E	36	5.3,5.4W		

ISC Event type fe.
IDC Error ellipse: s-maj=14.8km s-min=8.5km az=75.0.
MOS Error ellipse: s-maj=8.4km s-min=4.6km az=113.5.
NEIC Event type se.
GFZ Error ellipse: s-maj=5.9km s-min=4.3km az=62.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.28 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.17 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.54 $M_{\phi r}$-0.13 NP1: ϕ_s201.01210°,δ47.75567°,λ87.30431°. NP2:ϕ_s25.01822°,δ42.31409°,λ92.96457°. Principal axes: T 1.2918,Plg86.6238°,Azm76.6306°; N 0.1090,Plg1.9952°,Azm202.8251° ; P -1.4007,Plg2.7224°,Azm292.9200° $M_0$1.34958×10^{17}

NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.7km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MAN Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109240636A. Moment Tensor Solution. s129,c228; s126,c215;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.43±.02 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$-1.28±.02; $M_{r\theta}$-0.26±.03; $M_{\theta\phi}$-0.69±.02; $M_{\phi r}$-0.25±.03; Best double couple: NP1: ϕ_s19.00000°,δ39.00000°,λ81.00000°. NP2:ϕ_s211.00000°,δ52.00000°,λ97.00000°. Principal axes: T 1.4790,Plg82.0000°,Azm157.0000°; N 0.1640,Plg6.0000°,Azm26.0000° ; P -1.6410,Plg6.0000°,Azm296.0000° $M_0$1.56000×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.34 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-1.13 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.18 $M_{\phi r}$-0.24 NP1:ϕ_s11.35000°,δ39.61000° ,λ91.42000°. NP2:ϕ_s189.50000°,δ50.41000°,λ88.82000°. Principal axes: T 1.3646,Plg85.0000°,Azm91.0000°; N -0.1808,Plg1.0000°,Azm190.0000° ; P -1.1838,Plg5.0000°,Azm280.0000° $M_0$1.28000×10^{17}

(7) Andreanof Islands

ISC								
ISC	**IX**	**24 07 02 30.1–.36**	**51.12N–.04**	**179.00W–.02**	**32–2**	**5.6b,5.0s**	**1686**	**0-160**
GFZ	IX	24 07 02 27.7	51.25N	179.02W	25	5.6W,5.0s		**¶621109283**
BJI	IX	24 07 02 28.8	51.39N	179.18W	32	5.7b,5.7b		
AEIC	IX	24 07 02 28.7–1.9	51.11N–.04	179.04W–.03	7–3	5.7b,5.7b		
ISC-P	IX	24 07 02 29	51.13N	179.02W	36–0	6.1,5.7b		
NEIC	IX	24 07 02 29	51.13N	179.02W	18	6.1,5.7b		
GFZ	IX	24 07 02 29.1–.29	51N–2.0	179W–2.0	20–1	6.0b,5.7		
NEIC	IX	24 07 02 29.1–1.8	51.13N–.05	179.02W–.04	18–1	5.6L,5.6b		
MOS	IX	24 07 02 30.1–.85	51.26N	178.97W	40	5.8b,5.3s		
NEIC	IX	24 07 02 30.6	51.20N	179.06W	29	5.8b,5.3s		
NEIC	IX	24 07 02 31.2	50.80N	179.38W	30	5.5,5.3s		
IDC	IX	24 07 02 32.2–1.3	51.35N	178.97W	46–10	5.3,5.0b		
GCMT	IX	24 07 02 33.9–.10	51.13N–.01	178.95W–.01	31–0	5.6W,5.0b		
BGR	IX	24 07 02 34.7	51.52N	178.89E	33	5.9b,5.0s		

ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.52 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$-0.19 $M_{r\theta}$2.36 $M_{\theta\phi}$-0.30 $M_{\phi r}$0.75 NP1: ϕ_s73.00934°,δ74.75053°,λ88.49236°. NP2:ϕ_s258.72363°,δ15.32206°,λ95.51246°. Principal axes: T 2.9381,Plg60.2222°,Azm340.8625°; N -0.1265,Plg1.4545°,Azm73.4060° ; P -2.8116,Plg29.7349°,Azm164.2370° $M_0$2.87697×10^{17}

AEIC Event type se. Error ellipse: s-maj=5.7km s-min=2.8km az=176.0. hypocenter. manual.

ISC-P Moment Tensor Solution. s56 Moment tensor: Scale 10^{18}Nm; M_{rr}0.69±.14 $M_{\theta\theta}$0.01±.14; $M_{\phi\phi}$-0.66±.14; $M_{r\theta}$-0.16±.13; $M_{\theta\phi}$0.12±.29; $M_{\phi r}$0.01±.10; NP1:ϕ_s190.70000°,δ41.00000° ,λ108.30000°. NP2:ϕ_s347.10000°,δ51.50000°,λ74.70000°. $M_0$1.58000×10^{18}

NEIC Event type se.

GFZ Error ellipse: s-maj=5.5km s-min=3.5km az=157.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.1km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.71 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-0.36 $M_{r\theta}$0.95 $M_{\theta\phi}$-0.23 $M_{\phi r}$0.78 NP1:ϕ_s62.42000°,δ64.06000°,λ79.43000°. NP2:ϕ_s265.53000°,δ27.87000° ,λ110.67000°. Principal axes: T 2.1710,Plg69.0000°,Azm311.0000°; N -0.4037,Plg9.0000° ,Azm67.0000°; P -1.7672,Plg18.0000°,Azm160.0000° $M_0$2.00000×10^{17}

MOS Error ellipse: s-maj=6.4km s-min=3.9km az=106.7.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.81 $M_{\theta\theta}$-1.88 $M_{\phi\phi}$0.08 $M_{r\theta}$1.30 $M_{\theta\phi}$-0.65 $M_{\phi r}$0.87 NP1:ϕ_s266.50000°,δ27.43000° ,λ112.20000°. NP2:ϕ_s61.81000°,δ64.75000°,λ78.90000°. Principal axes: T 2.4039,Plg68.0000°,Azm310.0000°; N 0.1918,Plg10.0000°,Azm67.0000° ; P -2.5957,Plg19.0000°,Azm160.0000° $M_0$2.51000×10^{17}

IDC Error ellipse: s-maj=12.9km s-min=8.0km az=170.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109240702A. Moment Tensor Solution. s140,c262; s143,c300;Duration: 1$\hat{s}$5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.22±.04 $M_{\theta\theta}$-2.18±.03; $M_{\phi\phi}$-0.03±.02; $M_{r\theta}$1.58±.04; $M_{\theta\phi}$-0.68±.02; $M_{\phi r}$0.96±.04; Best double couple: NP1: ϕ_s264.00000°,δ27.00000°,λ108.00000°. NP2:ϕ_s64.00000°,δ65.00000°,λ81.00000°. Principal axes: T 2.9060,Plg69.0000°,Azm317.0000°; N 0.0920,Plg8.0000°,Azm68.0000° ; P -2.9970,Plg19.0000°,Azm161.0000° $M_0$2.95100×10^{17}

BGR Event type ke.

(177) Kermadec Islands region

ISC								
ISC	**IX**	**24 07 57 35.1–.67**	**28.19S–.05**	**176.59W–.06**	**13–3**	**5.0b,4.2s**	**379**	**2-167**
IDC	IX	24 07 57 34.4–.39	27.83S	176.95W	0	4.8b,4.8		**¶621109286**
GFZ	IX	24 07 57 35.4–.27	28S–4.0	177W–5.0	10	5.1b,5.0b		
NEIC	IX	24 07 57 36.4–1.1	27.80S–.09	176.8W–.10	10–1	5.0b,4.9		
BJI	IX	24 07 57 38.4	27.72S	176.63W	35	5.6b,5.5b		
GCMT	IX	24 07 57 42.5–.30	27.90S–.03	176.59W–.02	35–0	5.0W,5.5b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109240757A. Moment Tensor Solution. s48,c59; s69,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.74±.20 $M_{\theta\theta}$-0.24±.13; $M_{\phi\phi}$-3.50±.12; $M_{r\theta}$0.47±.17; $M_{\theta\phi}$-0.14±.10; $M_{\phi r}$1.59±.12; Best double couple: NP1:ϕ_s178.00000°,δ33.00000° ,λ81.00000°. NP2:ϕ_s8.00000°,δ57.00000°,λ96.00000°. Principal axes: T 4.1160,Plg77.0000° ,Azm296.0000°; N -0.2660,Plg5.0000°,Azm185.0000°; P -3.8490,Plg12.0000°,Azm94.0000° $M_0$3.98200×10^{16}

(7) Andreanof Islands

ISC								
ISC	**IX**	**24 11 52 29.8–.27**	**51.16N–.03**	**178.98W–.02**	**32–1**	**6.1b,5.9s**	**2846**	**0-160**
IDC	IX	24 11 52 28.9–1.2	51.22N	178.94W	26–6	5.8s,5.6		**¶621109405**
NEIC	IX	24 11 52 28.2–1.8	51.08N–.04	179.02W–.05	18–1	6.1,6.1b		
AEIC	IX	24 11 52 28.3–1.9	51.06N–.04	179.00W–.06	17–0	6.1,6.1b		
BJI	IX	24 11 52 28.0	51.15N	178.95W	40	6.4b,6.2s		
GFZ	IX	24 11 52 28.9	51.26N	178.99W	26	6.1W,6.2s		
GFZ	IX	24 11 52 28.9–.07	51N–2.0	179W–2.0	21	6.5b,6.3		
ISC-P	IX	24 11 52 28	51.08N	179.02W	36–0	6.4,6.3		
MOS	IX	24 11 52 29.3–.79	51.32N	178.97W	41	6.3b,6.0s		
PTWC	IX	24 11 52 30	51.10N	178.90W	38	6.4,6.0s		
NEIC	IX	24 11 52 31.3	51.25N	179.01W	38	6.4,6.0s		
NEIC	IX	24 11 52 32.2	51.23N	179.03W	46	6.4,6.0s		
GCMT	IX	24 11 52 33.2–.00	51.12N	178.93W	29–0	6.2W,6.0s		
NEIC	IX	24 11 52 35.5	50.53N	179.03W	36	6.1,6.0s		
BGR	IX	24 11 52 36.8	51.93N	178.96E	33	6.2b,5.8s		

ISC Event type ke.

IDC Error ellipse: s-maj=10.6km s-min=7.9km az=177.0.

NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.14 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$-0.06 $M_{r\theta}$0.66 $M_{\theta\phi}$-0.64 $M_{\phi r}$0.45 NP1:ϕ_s58.56000°,δ61.32000°,λ83.69000°. NP2:ϕ_s251.53000°,δ29.31000° ,λ101.35000°. Principal axes: T 1.3757,Plg73.0000°,Azm313.0000°; N 0.2348,Plg6.0000° ,Azm62.0000°; P -1.6106,Plg16.0000°,Azm153.0000° $M_0$1.51000×10^{18}

AEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.5km az=172.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.43 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$-0.05 $M_{r\theta}$1.01 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.55 NP1: ϕ_s65.76872°,δ64.03878°,λ82.99699°. NP2:ϕ_s261.44305°,δ26.82575°,λ104.05815°. Principal axes: T 1.8397,Plg70.1450°,Azm321.0644°; N 0.0566,Plg6.2933°,Azm68.8468° ; P -1.8962,Plg18.7516°,Azm160.9924° $M_0$1.86859×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

ISC-P Moment Tensor Solution. s56 Moment tensor: Scale 10^{18}Nm; M_{rr}0.86±.15 $M_{\theta\theta}$0.33±.16; $M_{\phi\phi}$-0.24±.10; $M_{r\theta}$-0.11±.13; $M_{\theta\phi}$-0.03±.18; $M_{\phi r}$0.19±.09; NP1:ϕ_s176.00000°,δ46.40000° ,λ107.80000°. NP2:ϕ_s331.00000°,δ46.50000°,λ72.20000°. $M_0$5.31000×10^{18}

MOS Error ellipse: s-maj=6.2km s-min=4.8km az=113.2.

NEIC Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109241152A. Moment Tensor Solution. s168,c397; s165,c661;Duration: 3$\hat{s}$0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.67±.01 $M_{\theta\theta}$-1.64±.01; $M_{\phi\phi}$-0.03±.01; $M_{r\theta}$1.19±.02; $M_{\theta\phi}$-0.54±.01; $M_{\phi r}$0.84±.01; Best double couple: NP1:ϕ_s266.00000°,δ27.00000°,λ112.00000°. NP2:ϕ_s61.00000°,δ65.00000°,λ79.00000°. Principal axes: T 2.2400,Plg68.0000°,Azm311.0000°; N 0.0550,Plg10.0000°,Azm66.0000° ; P -2.2960,Plg20.0000°,Azm159.0000° $M_0$2.26800×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 5$\hat{s}$5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.59 $M_{\theta\theta}$-1.65 $M_{\phi\phi}$0.06 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.67 $M_{\phi r}$0.40 NP1:ϕ_s256.50000°,δ32.24000° ,λ98.72000°. NP2:ϕ_s66.22000°,δ58.17000°,λ84.54000°. Principal axes: T 1.7934,Plg76.0000°,Azm320.0000°; N 0.2832,Plg5.0000°,Azm69.0000° ; P -2.0766,Plg13.0000°,Azm160.0000° $M_0$1.95000×10^{18}

BGR Event type ke.

(704) Nicobar Islands region

ISC								
ISC	**IX**	**24 15 04 16.0–.35**	**8.55N–.03**	**94.04E–.03**	**16–1**	**5.2b,4.9s**	**1152**	**3-168**
BJI	IX	24 15 04 11.7	8.51N	93.78E	8	5.4s,5.3b		**¶621109741**
IDC	IX	24 15 04 12.6–.36	8.57N	93.95E	0	4.7b,4.7		
MOS	IX	24 15 04 13.4–1.3	8.55N	93.94E	16	5.5b,4.8s		
NEIC	IX	24 15 04 15.3–2.4	8.63N–.07	94.18E–.08	10–1	5.4,5.4b		
BKK	IX	24 15 04 16.2–.80	9N–3.0	94E–8.0	10	5.5L,5.5b		
GFZ	IX	24 15 04 16.9	8.54N	93.90E	28	5.4W,5.5b		
GFZ	IX	24 15 04 16.9–.34	9N–2.0	94E–2.0	27–2	5.7b,5.3		
NDI	IX	24 15 04 16.2–3.9	8.68N	94.04E	11–22	5.2b,5.3		
DJA	IX	24 15 04 17.3–.70	9N–1.0	94E–2.0	11–5	5.7b,5.7b		
GCMT	IX	24 15 04 17.8–.10	8.61N–.01	94.13E–.01	14–0	5.3W,5.7b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01 $M_{\theta\theta}$0.05 $M_{\phi\phi}$0.96 $M_{r\theta}$-0.67 $M_{\theta\phi}$0.54 $M_{\phi r}$-0.45 NP1: ϕ_s185.14320°,δ32.16994°,λ-123.97101°. NP2:ϕ_s43.66217°,δ63.79674°,λ-70.63500°. Principal axes: T 1.4189,Plg16.6377°,Azm119.4974°; N -0.0679,Plg17.3080°,Azm214.8406° ; P -1.3510,Plg65.6126°,Azm348.2623° $M_0$1.38624×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NDI Event type se. Presumed earthquake.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109241504A. Moment Tensor Solution. s99,c149; s136,c271;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32±.02 $M_{\theta\theta}$-0.31±.02; $M_{\phi\phi}$0.63±.02; $M_{r\theta}$-0.19±.04; $M_{\theta\phi}$1.23±.02; $M_{\phi r}$0.10±.04; Best double couple: NP1: ϕ_s170.00000°,δ80.00000°,λ-171.00000°. NP2:ϕ_s79.00000°,δ81.00000°,λ-10.00000°. Principal axes: T 1.4770,Plg1.0000°,Azm125.0000°; N -0.2660,Plg76.0000°,Azm218.0000° ; P -1.2120,Plg14.0000°,Azm34.0000° $M_0$1.34400×10^{17}

(726) Northern and central Siberia

ISC								
ISC	**IX**	**25 02 56 06.6–.28**	**70.19N–.03**	**129.89E–.03**	**10**	**4.6b,3.4s**	**410**	**1-167**
IDC	IX	25 02 56 05.5–.40	70.34N	130.02E	0	4.3L,4.2b		**¶621109881**
NEIC	IX	25 02 56 06.5–1.1	70.15N–.07	129.8E–.30	10–1	4.7b,4.2b		
MOS	IX	25 02 56 06.1–.87	70.28N	129.94E	14	4.6b,4.2b		
YARS	IX	25 02 56 06.0	70.21N	129.52E	10	4.2L,4.2b		
FCIAR	IX	25 02 56 08.0	69.66N	128.49E	10	4.2L,4.2b		
GFZ	IX	25 02 56 09.1–.40	70N–8.0	129E–5.0	10	5.7b,5.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(430) South of Africa

ISC								
ISC	**IX**	**25 05 21 32.7–.20**	**53.44S–.04**	**23.48E–.05**	**10**	**5.5s,5.4b**	**877**	**17-168**
NEIC	IX	25 05 21 20.3	53.41S	23.58E	12	5.8,5.4b		**¶621109886**
IDC	IX	25 05 21 30.8–.32	53.42S	23.57E	0	5.4s,5.2b		
MOS	IX	25 05 21 31.2–.90	53.40S	23.57E	10	5.6b,5.5s		
BJI	IX	25 05 21 31.6	53.40S	23.60E	10	6.1b,5.8s		
NEIC	IX	25 05 21 32.3–1.2	53.42S–.09	23.6E–.20	7–1	5.7,5.5		
NEIC	IX	25 05 21 32.8	53.41S	23.58E	10	5.7,5.5		
NEIC	IX	25 05 21 32.8	53.41S	23.58E	10	5.7,5.5		
GFZ	IX	25 05 21 33.7	53.49S	23.56E	10	5.8W,5.5		
GFZ	IX	25 05 21 33.7–.16	53S–3.0	24E–4.0	10	6.3b,6.0		
GCMT	IX	25 05 21 35.9–.10	53.38S	23.85E	12	5.8W,6.0		
PTWC	IX	25 05 21 36	53.50S	23.50E		6.0,6.0		

ISC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 4$\hat{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.11 $M_{\theta\theta}$3.84 $M_{\phi\phi}$1.28 $M_{r\theta}$-1.03 $M_{\theta\phi}$-2.27 $M_{\phi r}$3.35 NP1:ϕ_s283.09000°,δ34.26000° ,λ-122.59000°. NP2:ϕ_s140.81000°,δ61.68000°,λ-69.85000°. Principal axes: T 5.8273,Plg14.0000°,Azm216.0000°; N 0.7189,Plg18.0000°,Azm311.0000° ; P -6.5462,Plg67.0000°,Azm89.0000° $M_0$6.22000×10^{17}

IDC Error ellipse: s-maj=14.0km s-min=8.7km az=86.0.

MOS Error ellipse: s-maj=18.0km s-min=8.5km az=88.6.

NEIC Event type se. Error ellipse: s-maj=15.8km s-min=15.2km az=227.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.99 $M_{\theta\theta}$2.70 $M_{\phi\phi}$0.29 $M_{r\theta}$-2.00 $M_{\theta\phi}$-2.44 $M_{\phi r}$3.06 NP1:ϕ_s142.07000°,δ69.35000°,λ-70.24000°. NP2:ϕ_s276.54000° ,δ28.28000°,λ-131.90000°. Principal axes: T 5.5553,Plg22.0000°,Azm217.0000° ; N -0.7024,Plg18.0000°,Azm315.0000°; P -4.8530,Plg61.0000°,Azm81.0000° $M_0$5.24000×10^{17}

NEIC Event type se.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.42 $M_{\theta\theta}$3.06 $M_{\phi\phi}$2.37 $M_{r\theta}$-1.35 $M_{\theta\phi}$-2.13 $M_{\phi r}$0.58 NP1: ϕ_s126.25237°,δ52.77597°,λ-94.80628°. NP2:ϕ_s314.16551°,δ37.48843°,λ-83.70632°. Principal axes: T 5.0591,Plg7.6615°,Azm219.6796°; N 0.5819,Plg3.8255°,Azm129.1642° ; P -5.6410,Plg81.4263°,Azm12.8361° $M_0$5.37372×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109250521A. Moment Tensor Solution. s138,c283; s164,c562;Duration: 1$\hat{s}$9 Moment tensor: Scale 10^{17}Nm; M_{rr}-6.13±.03 $M_{\theta\theta}$3.49±.03; $M_{\phi\phi}$2.63±.03; $M_{r\theta}$0.14±.10; $M_{\theta\phi}$-3.19±.03; $M_{\phi r}$-0.94±.09; Best double couple: NP1:ϕ_s125.00000°,δ42.00000°,λ-99.00000°. NP2:ϕ_s317.00000°,δ49.00000°,λ-82.00000°. Principal axes: T 6.3210,Plg3.0000°,Azm41.0000°; N -0.0970,Plg6.0000°,Azm132.0000° ; P -6.2340,Plg83.0000°,Azm281.0000° $M_0$6.27700×10^{17}

(101) Venezuela

ISC								
ISC	**IX**	**25 16 39 43.4–.72**	**10.12N–.04**	**69.64W–.03**	**15–4**	**4.5b,3.6s**	**224**	**0-155**
IDC	IX	25 16 39 40.9–.47	10.12N	69.65W	0	4.3,4.2b		**¶621110123**
VAO	IX	25 16 39 42.6–.65	10.26N	69.72W	21	4.6b,4.2b		
GFZ	IX	25 16 39 43.9–.18	10N–3.0	70W–4.0	10	5.8b,5.3		
FUNV	IX	25 16 39 44.8	10.13N	69.64W	5	4.2W,5.3		
NEIC	IX	25 16 39 45.1–2.2	10.24N–.07	69.70W–.06	20–4	4.6b,5.3		

ISC Event type se.

VAO Event type se. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

FUNV Event type se. Presumed earthquake.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC								
ISC	**IX**	**26 04 23 15.8–.53**	**58.84S–.05**	**25.85W–.06**	**56–4**	**5.2b,4.6s**	**373**	**7-174**
GFZ	IX	26 04 23 11.2	58.85S	25.84W	49	5.2W,4.6s		**¶621110202**
IDC	IX	26 04 23 13.9–3.9	58.76S	25.63W	40–33	5.0L,5.0		
NEIC	IX	26 04 23 13.5–2.2	58.76S–.09	25.6W–.20	35–1	5.2,5.2b		
GFZ	IX	26 04 23 15.3–.26	59S–4.0	26W–3.0	46–2	6.1b,5.8		
GCMT	IX	26 04 23 17.7–.10	58.95S–.01	24.92W–.02	53–0	5.3W,5.8		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}8.71 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-9.23 $M_{r\theta}$-1.66 $M_{\theta\phi}$1.42 $M_{\phi r}$2.10 NP1: ϕ_s181.02376°,δ38.55308°,λ104.20075°. NP2:ϕ_s343.09300°,δ52.82910°,λ78.93777°. Principal axes: T 9.2092,Plg78.5822°,Azm209.8289°; N 0.5200,Plg8.7946°,Azm349.8298°

; P -9.7293,Plg7.2240°,Azm80.9535° $M_0$9.47996×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109260423A. Moment Tensor Solution. s126,c210; s136,c239;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.96±.02 $M_{\theta\theta}$0.17±.01; $M_{\phi\phi}$-1.12±.01; $M_{r\theta}$-0.11±.01; $M_{\theta\phi}$0.02±.01; $M_{\theta r}$0.18±.01; Best double couple: NP1: ϕ_s187.00000°,δ40.00000°,λ101.00000°. NP2:ϕ_s352.00000°,δ50.00000°,λ81.00000°. Principal axes: T 0.9880,Plg81.0000°,Azm213.0000°; N 0.1520,Plg7.0000°,Azm358.0000° ; P -1.1360,Plg5.0000°,Azm89.0000° $M_0$1.06200×10^{17}

(268) Sulawesi

ISC	**IX**	**26 09 32 49.5–.33**	**2.32S–.04**	**119.28E–.04**	**35**	**4.7b,3.6s**	**276**	**1-152**
IDC	IX	26 09 32 43.6–.47	2.26S	119.29E	0	4.5L,4.4		**¶621110214**
DJA	IX	26 09 32 47.9–.30	2S–1.0	119E–1.0	10–2	8.3,7.8		
NEIC	IX	26 09 32 49.8–1.2	2.34S–.06	119.24E–.06	35–2	4.6b,7.8		
GFZ	IX	26 09 32 49.3–.25	2S–2.0	119E–2.0	36–3	5.5b,4.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(103) Colombia

ISC	**IX**	**26 20 47 55.6–1.1**	**3.46N–.02**	**74.26W–.02**	**7–8**		**85**	**0-148**
IDC	IX	26 20 47 56.2–1.6	4.43N	75.65W	0	4.4,3.8L		**¶621131534**
RSNC	IX	26 20 47 56.0–.00	3N–2.0	74W–2.0	13–3	4.3,4.2b		
CATAC	IX	26 20 47 58.2–.68	3N–6.0	74W–6.0	10	5.8b,5.4		

ISC Event type se.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(103) Colombia

ISC	**IX**	**27 00 10 04.9–.72**	**5.75N–.02**	**75.95W–.03**	**50–6**	**3.8b,3.2s**	**136**	**0-147**
CATAC	IX	27 00 10 04.4–.74	6N–3.0	76W–3.0	17–5	6.5b,6.3		**¶621140669**
RSNC	IX	27 00 10 04.4–.00	6N–2.0	76W–3.0	55–4	5.5b,5.0		
IDC	IX	27 00 10 07.0–4.2	5.82N	75.93W	82–36	3.8,3.5b		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.7km s-min=5.2km az=32.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=43.6km s-min=27.5km az=77.0.

(99) Northern Colombia

ISC	**IX**	**27 00 59 37.2–1.2**	**7.56N–.03**	**72.24W–.03**	**5–8**	**4.1b**	**153**	**0-153**
CATAC	IX	27 00 59 35.0–2.4	8N–10	72W–21	10	4.8b,4.8b		**¶621140671**
NEIC	IX	27 00 59 39.4–1.3	7.57N–.05	72.22W–.08	10–1	4.2b,4.8b		
RSNC	IX	27 00 59 39.7–.00	8N–3.0	72W–4.0	21–4	6.0,5.9		
FUNV	IX	27 00 59 40.5	7.57N	72.42W	6	3.5W,5.9		
IDC	IX	27 00 59 44.7–3.3	7.61N	72.40W	58–31	3.9,3.6b		

ISC Event type se.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.8km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=24.0km s-min=17.2km az=72.0.

(715) Tajikistan

ISC	**IX**	**27 05 40 39.0–.34**	**38.07N–.03**	**73.21E–.02**	**27–2**	**5.2b,4.5s**	**929**	**2-152**
IDC	IX	27 05 40 34.3–.47	37.97N	73.19E	0	4.8b,4.8		**¶621110569**
MOS	IX	27 05 40 35.2–1.0	37.95N	73.23E	14	5.3b,4.6s		
NEIC	IX	27 05 40 36.8–.84	38.04N–.05	73.23E–.07	10–1	5.3b,4.6s		
GFZ	IX	27 05 40 37.9	38.02N	73.22E	22	5.1W,4.6s		
GCMT	IX	27 05 40 37.3–.20	38.27N–.02	73.16E–.01	18–0	5.1W,4.6s		
GFZ	IX	27 05 40 38.9–.18	38N–3.0	73E–2.0	10	5.7b,5.5L		
BJI	IX	27 05 40 39.6	38.09N	73.27E	43	5.2L,5.2b		
NNC	IX	27 05 40 39.2–2.5	38.17N	73.23E	15–10	5.6b,5.4		
NEIC	IX	27 05 40 42.9	38.24N	73.15E	18	5.1,5.4		
NEIC	IX	27 05 40 42.5	38.14N	73.15E	47	5.1,5.4		
BGR	IX	27 05 40 47.2	38.21N	72.28E	33	5.0b,5.4		

ISC Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=9.4km az=2.0.
MOS Error ellipse: s-maj=4.4km s-min=3.3km az=100.5.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.0km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.78 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$5.46 $M_{r\theta}$-0.27 $M_{\theta\phi}$-1.85 $M_{\theta r}$-0.34 NP1: ϕ_s158.92164°,δ43.89674°,λ-97.90005°. NP2:ϕ_s349.82153°,δ46.62421°,λ-82.46626°. Principal axes: T 5.9792,Plg1.3699°,Azm74.5005°; N -1.1589,Plg5.4685°,Azm164.6317° ; P -4.8202,Plg84.3615°,Azm330.4831° $M_0$5.49219×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109270540A. Moment Tensor Solution. s66,c94; s108,c180; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.58±.17 $M_{\theta\theta}$-1.05±.13; $M_{\phi\phi}$5.63±.11; $M_{r\theta}$1.98±.34; $M_{\theta\phi}$-1.60±.08; $M_{\theta r}$-0.19±.22; Best double couple: NP1:ϕ_s190.00000°,δ47.00000° ,λ-55.00000°. NP2:ϕ_s325.00000°,δ53.00000°,λ-121.00000°. Principal axes: T 6.0320,Plg4.0000°,Azm76.0000°; N -0.5440,Plg25.0000°,Azm345.0000° ; P -5.4890,Plg65.0000°,Azm174.0000° $M_0$5.76100×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=17.6km s-min=10.8km az=5.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.45 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$4.97 $M_{r\theta}$-1.36 $M_{\theta\phi}$-2.03 $M_{\theta r}$-0.65 NP1:ϕ_s141.72000°,δ47.74000° ,λ-119.39000°. NP2:ϕ_s1.66000°,δ49.85000°,λ-61.63000°. Principal axes: T 5.6446,Plg1.0000°,Azm72.0000°; N -0.6106,Plg21.0000°,Azm162.0000° ; P -5.0340,Plg69.0000°,Azm339.0000° $M_0$5.37000×10^{16}
NEIC Event type se.
BGR Event type ke.

(370) Crete

ISC	**IX**	**27 06 17 22.1–.38**	**35.18N–.02**	**25.26E–.01**	**13–2**	**5.9b,5.8s**	**2877**	**0-167**
BJI	IX	27 06 17 18.2	35.24N	24.67E	19	6.3b,6.0s		**¶621110572**
MOS	IX	27 06 17 19.2–1.2	35.10N	25.29E	5	6.1b,5.7s		
ISK	IX	27 06 17 20.7	35.21N	25.27E	4–0	5.8L,5.7s		
BEO	IX	27 06 17 20.1–.60	34.66N	24.59E	15	5.5L,5.7s		
NEIC	IX	27 06 17 21.6	35.24N	25.26E	4	5.5L,5.7s		
GII	IX	27 06 17 21.2–.00	34.39N	25.24E	0	5.7,5.7s		
NEIC	IX	27 06 17 21.5–.95	35.24N–.06	25.27E–.04	6–1	6.0,6.0b		
GFZ	IX	27 06 17 21.3–.07	35N–1.0	25.2E–.90	10	6.2b,5.9		
ATH	IX	27 06 17 21.3	35.15N	25.27E	10–0	5.7L,5.9		
THE	IX	27 06 17 21.3	35N–1.0	25.3E–.80	9–1	5.7,5.7		
ISC-P	IX	27 06 17 21	35.24N	25.27E	6–0	6.0,5.7		
NEIC	IX	27 06 17 22.1	35.24N	25.26E	8	6.0,5.7		
IPGP	IX	27 06 17 22.0	35.25N	25.26E	6	6.0W,5.7		
MCSM	IX	27 06 17 22.7–.20	35N–2.0	25E–2.0	10	6.1b,6.0		
MED_R	IX	27 06 17 22.0	35.11N	25.22E	10	6.0W,6.0		
PDG	IX	27 06 17 22.4–.75	35.23N	25.21E	0–1	6.0,5.9L		
PTWC	IX	27 06 17 23	35.10N	25.20E	104	6.3,5.9L		
NEIC	IX	27 06 17 23.1	35.25N	25.27E	14	6.3,5.9L		
AFAD	IX	27 06 17 23.1	35.39N	25.35E	10–4	5.7W,5.9L		
GCMT	IX	27 06 17 23.8–.10	35.10N	25.16E	12	5.9W,5.9L		
GFZ	IX	27 06 17 23.0	35.18N	25.25E	16	6.0W,5.9L		
NEIC	IX	27 06 17 24.5	34.95N	25.15E	12	6.0,5.9L		
IDC	IX	27 06 17 25.1–.99	35.28N	25.28E	33–6	5.6s,5.5		
NAO	IX	27 06 17 51.5	35.11N	25.22E	10	5.6b,5.5		

ISC Event type ke.
MOS Error ellipse: s-maj=3.7km s-min=2.0km az=93.1.
ISK Event type ke.
BEO Event type ke.
NEIC Event type se.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.5km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.08 $M_{\theta\theta}$0.40 $M_{\phi\phi}$0.69 $M_{r\theta}$-0.45 $M_{\theta\phi}$0.53 $M_{\theta r}$-0.27 NP1:ϕ_s46.32000°,δ57.79000°,λ-80.24000°. NP2:ϕ_s208.43000°,δ33.51000° ,λ-105.06000°. Principal axes: T 1.1976,Plg12.0000°,Azm129.0000°; N 0.0207,Plg8.0000° ,Azm221.0000°; P -1.2183,Plg75.0000°,Azm344.0000° $M_0$1.21000×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.03 $M_{\theta\theta}$0.43 $M_{\phi\phi}$0.60 $M_{r\theta}$0.32 $M_{\theta\phi}$0.63 $M_{\theta r}$0.15 NP1:ϕ_s229.08000°,δ53.88000°,λ-80.22000°. NP2:ϕ_s32.78000°,δ37.25000°,λ-103.11000°. Principal axes: T 1.1948,Plg8.0000°,Azm312.0000°; N -0.0957,Plg8.0000°,Azm43.0000° ; P -1.0990,Plg78.0000°,Azm176.0000° $M_0$1.15000×10^{18}
GFZ Error ellipse: s-maj=2.6km s-min=1.7km az=34.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/27 06:17:34, This location: 2023/03/24 21:38:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC-P Moment Tensor Solution. s43 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.60±.07 $M_{\theta\theta}$0.58±.14; $M_{\phi\phi}$0.00±.14; $M_{r\theta}$0.12±.15; $M_{\theta\phi}$-0.27±.13; $M_{\theta r}$0.26±.27; NP1:ϕ_s46.70000°,δ49.20000° ,λ236.70000°. NP2:ϕ_s271.90000°,δ50.70000°,λ-57.50000°. $M_0$1.16000×10^{18}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s24.00000°,δ38.00000°,λ-111.00000°. NP2:ϕ_s229.00000° ,δ55.00000°,λ-75.00000°.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18} Nm; M_{rr}-0.99±.01 $M_{\theta\theta}$0.36±.01; $M_{\phi\phi}$0.00±.01; $M_{r\theta}$-0.22±.05; $M_{\theta\phi}$0.55±.01; $M_{\theta r}$-0.41±.04; NP1: ϕ_s223.00000°,δ33.00000°,λ-82.00000°. NP2:ϕ_s34.00000°,δ57.00000°,λ-95.00000°. Principal axes: T 1.1600,Plg12.0000°,Azm127.0000°; N -0.0700,Plg4.0000°,Azm36.0000° ; P -1.0900,Plg77.0000°,Azm287.0000° $M_0$1.12000×10^{18}
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=90.0.
NEIC Event type se.
AFAD Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109270617A. Moment Tensor Solution. s153,c327; s169,c592;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.95±.01 $M_{\theta\theta}$0.31±.01; $M_{\phi\phi}$0.63±.01; $M_{r\theta}$0.01±.01; $M_{\theta\phi}$0.56±.00; $M_{\theta r}$0.09±.01; Best double couple: NP1: ϕ_s40.00000°,δ43.00000°,λ-85.00000°. NP2:ϕ_s214.00000°,δ47.00000°,λ-94.00000°. Principal axes: T 1.0600,Plg2.0000°,Azm307.0000°; N -0.1060,Plg3.0000°,Azm217.0000° ; P -0.9540,Plg86.0000°,Azm72.0000° $M_0$1.00700×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.14 $M_{\theta\theta}$0.44 $M_{\phi\phi}$0.69 $M_{r\theta}$0.35 $M_{\theta\phi}$0.30 $M_{\theta r}$0.33 NP1: ϕ_s218.65588°,δ57.47490°,λ-85.61122°. NP2:ϕ_s30.53215°,δ32.78762°,λ-96.84290°. Principal axes: T 0.9986,Plg12.3723°,Azm305.4802°; N 0.2466,Plg3.6994°,Azm36.2929° ; P -1.2452,Plg77.0696°,Azm142.6496° $M_0$1.14207×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.97 $M_{\theta\theta}$0.49 $M_{\phi\phi}$0.49 $M_{r\theta}$-0.41 $M_{\theta\phi}$0.52 $M_{\theta r}$-0.15 NP1:ϕ_s215.37000°,δ34.90000° ,λ-106.07000°. NP2:ϕ_s54.72000°,δ56.65000°,λ-79.07000°. Principal axes: T 1.0859,Plg11.0000°,Azm137.0000°; N -0.0054,Plg9.0000°,Azm229.0000° ; P -1.0804,Plg76.0000°,Azm357.0000° $M_0$1.08000×10^{18}
IDC Error ellipse: s-maj=8.5km s-min=5.9km az=158.0.
NAO Event type se. Presumed earthquake.

(370) Crete

ISC	**IX**	**27 06 37 44.4–.46**	**35.12N–.02**	**25.28E–.01**	**12–2**	**4.9s,4.6b**	**639**	**0-118**
MOS	IX	27 06 37 42.0–1.1	35.01N	25.36E	7	4.8b,4.6b		**¶621110573**
ATH	IX	27 06 37 42.9	35.13N	25.28E	14–0	4.4L,4.6b		
ISK	IX	27 06 37 42.4	35.24N	25.30E	5–0	4.2L,4.6b		
MED_R	IX	27 06 37 43.0	35.07N	25.28E	10	4.7W,4.6b		
AFAD	IX	27 06 37 43.4	35.32N	25.27E	6–5	4.8W,4.6b		
PDG	IX	27 06 37 43.6–.35	35.14N	25.28E	10–1	4.5L,4.6b		
THE	IX	27 06 37 43.7	35.1N–1.0	25.3E–.50	6–1	4.3,4.3		
NEIC	IX	27 06 37 44.5–1.4	35.09N–.07	25.26E–.06	8–4	4.7b,4.3		
MCSM	IX	27 06 37 45.5–.30	35N–3.0	25E–3.0	10	4.6,4.5b		
GFZ	IX	27 06 37 45.3–.23	35N–3.0	25E–2.0	10	6.6b,6.4		
IDC	IX	27 06 37 48.1–1.6	35.08N	25.39E	42–14	4.4,4.2b		

ISC Event type ke.
MOS Error ellipse: s-maj=5.7km s-min=3.4km az=89.1.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/09/27 06:38:56, This location: 2021/09/27 07:29:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.69±.13 $M_{\theta\theta}$0.63±.14; $M_{\phi\phi}$0.00±.12; $M_{r\theta}$-0.38±.50; $M_{\theta\phi}$0.48±.10; $M_{\theta r}$-1.10±.31; NP1: ϕ_s266.00000°,δ26.00000°,λ-35.00000°. NP2:ϕ_s29.00000°,δ75.00000°,λ-112.00000°. Principal axes: T 1.3600,Plg27.0000°,Azm136.0000°; N 0.1200,Plg21.0000°,Azm35.0000° ; P -1.4800,Plg55.0000°,Azm271.0000° $M_0$1.42000×10^{16}
AFAD Event type se. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.4km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=12.6km s-min=9.5km az=170.0.

(370) Crete

ISC	**IX**	**27 07 46 31.5–.69**	**35.16N–.02**	**25.18E–.01**	**15–4**	**4.2b**	**281**	**0-78**
IDC	IX	27 07 46 29.0–.99	35.44N	24.90E	0	4.2b,4.1		**¶621110577**
AFAD	IX	27 07 46 29.5	34.43N	25.81E	5–5	4.2W,4.1		
ISK	IX	27 07 46 29.6	35.08N	25.16E	10–0	4.1L,4.1		
MCSM	IX	27 07 46 30.8–.60	35N–6.0	25E–5.0	10	7.3,7.3b		
ATH	IX	27 07 46 30.7	35.16N	25.19E	18–0	4.2L,7.3b		
THE	IX	27 07 46 31.3	35.1N–.80	25.2E–.50	11–3	4.3,4.3		
NEIC	IX	27 07 46 31.9–1.5	35.19N–.07	25.18E–.04	10–1	4.2b,4.3		
GFZ	IX	27 07 46 34.1–.31	35N–3.0	25E–3.0	10	5.8,5.7		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 07:47:43, This location: 2021/10/04 10:11:07 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	**IX**	**27 11 26 38.2–.37**	**36.66N–.03**	**141.16E–.04**	**55–2**	**4.8b,3.8s**	**585**	**0-158**
IDC	IX	27 11 26 30.9–.42	36.66N	141.15E	0	4.6b,4.6		**¶626510199**
BJI	IX	27 11 26 36.3	36.64N	141.14E	55	4.8b,4.8b		
MOS	IX	27 11 26 36.2–.90	36.86N	141.13E	39	5.0b,4.8b		
NIED	IX	27 11 26 38.4	36.65N	141.11E	50	4.7W,4.8b		
NEIC	IX	27 11 26 38.3–1.0	36.71N–.08	141.2E–.10	50–6	4.9b,4.6		
NEIC	IX	27 11 26 38.1	36.67N	141.18E	49	4.9b,4.6		
JMA	IX	27 11 26 38.4–.08	36.7N–.20	141.1E–.20	50–0	4.8,4.7W		
GFZ	IX	27 11 26 39.4–.16	37N–3.0	141E–3.0	56	5.5b,5.0		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.15 $M_{\theta r}$-0.05 NP1:ϕ_s21.00000°,δ46.00000°,λ108.00000°. NP2:ϕ_s175.00000° ,δ47.00000°,λ72.00000°. $M_0$1.26000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.25 $M_{\theta\theta}$1.85 $M_{\phi\phi}$-9.10 $M_{r\theta}$3.13 $M_{\theta\phi}$-1.05 $M_{\theta r}$-1.50 NP1:ϕ_s28.70000°,δ46.16000°,λ125.90000°. NP2:ϕ_s162.44000°,δ54.25000° ,λ58.59000°. Principal axes: T 8.8691,Plg65.0000°,Azm13.0000°; N 0.4233,Plg25.0000° ,Azm182.0000°; P -9.2923,Plg4.0000°,Azm274.0000° $M_0$9.09000×10^{15}
NEIC Event type se.
JMA Event type fe. E OFF IBARAKI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(370) Crete

ISC	**IX**	**28 04 48 09.5–.37**	**35.17N–.02**	**25.22E–.01**	**13–2**	**5.4b,4.7s**	**1753**	**0-162**
BJI	IX	28 04 48 03.5	34.95N	24.69E	10	5.6b,5.3b		**¶621801416**
GII	IX	28 04 48 07.5–.00	35.11N	25.25E	0	5.1,5.3b		
ISK	IX	28 04 48 07.9	35.15N	25.19E	6–0	5.4L,5.3b		

MOS	IX	28 04 48 07.6–1.2	35.07N	25.24E	13	5.6b,4.6s
NAO	IX	28 04 48 07.2	34.95N	24.51E	10	4.7b,4.6s
IDC	IX	28 04 48 07.4–.37	35.22N	25.25E	0	5.1b,5.0
THE	IX	28 04 48 08.9	35.1N–.60	25.2E–.40	11–0	5.3,5.3
PDG	IX	28 04 48 08.3–.46	35.05N	25.22E	12–1	5.3L,5.3
NEIC	IX	28 04 48 08.7–1.9	35.08N–.05	25.20E–.04	10–1	5.4b,5.2
GFZ	IX	28 04 48 09.6–.19	35N–2.0	25E–1.0	10	5.5b,5.4L
NEIC	IX	28 04 48 09.4	35.16N	25.21E	10	5.5b,5.4L
MCSM	IX	28 04 48 09.2–1.5	35N–3.0	25E–2.0	10–10	5.6,5.5b
ATH	IX	28 04 48 09.2	35.15N	25.22E	11–1	5.3L,5.5b
MED_R	IX	28 04 48 09.0	35.11N	25.19E	15	5.3W,5.5b
NEIC	IX	28 04 48 09.4	35.16N	25.22E	10	5.3W,5.5b
GCMT	IX	28 04 48 10.4–.10	35.06N–.01	25.03E–.01	20–0	5.2W,5.5b
GFZ	IX	28 04 48 10.0	35.11N	25.20E	10	5.2W,5.5b
NEIC	IX	28 04 48 10	35.06N	25.22E	14	5.3,5.5b
PTWC	IX	28 04 48 11	35.00N	25.20E		5.5,5.5b
AFAD	IX	28 04 48 13.0	35.17N	25.26E	35–316	5.0W,5.5b
BEO	IX	28 04 48 14.0–.60	35.19N	24.58E	12	4.9L,5.5b

ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
MOS Error ellipse: s-maj=3.7km s-min=2.1km az=92.7.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=9.2km s-min=5.9km az=4.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.6km az=343.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.42 $M_{\theta\theta}$0.52 $M_{\phi\phi}$6.90 $M_{r\theta}$1.61 $M_{\theta\phi}$5.37 $M_{\phi r}$-2.38 NP1:ϕ_s8.72000°,δ53.37000°,λ-118.87000°. NP2:ϕ_s231.46000°,δ45.35000°,λ-57.00000°. Principal axes: T 10.0511,Plg4.0000°,Azm119.0000°; N -1.4495,Plg23.0000°,Azm27.0000°; P -8.6016,Plg67.0000°,Azm219.0000° $M_0$9.41000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/28 04:49:18, This location: 2021/09/30 19:28:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17} Nm; M_{rr}-0.60±.04 $M_{\theta\theta}$0.14±.03; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$0.04±.04; $M_{\theta\phi}$0.74±.02; $M_{\phi r}$-0.56±.05; NP1: ϕ_s252.00000°,δ43.00000°,λ-35.00000°. NP2:ϕ_s9.00000°,δ67.00000°,λ-128.00000°. Principal axes: T 1.1600,Plg14.0000°,Azm126.0000°; N -0.1800,Plg34.0000°,Azm26.0000°; P -0.9800,Plg52.0000°,Azm234.0000° $M_0$1.07000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109280448A. Moment Tensor Solution. s98,c159; s134,c257;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.65±.02 $M_{\theta\theta}$0.16±.01; $M_{\phi\phi}$0.49±.01; $M_{r\theta}$0.10±.03; $M_{\theta\phi}$0.87±.01; $M_{\phi r}$-0.03±.03; Best double couple: NP1:ϕ_s11.00000°,δ53.00000°,λ-133.00000°. NP2:ϕ_s248.00000°,δ55.00000°,λ-48.00000°. Principal axes: T 1.2090,Plg1.0000°,Azm310.0000°; N -0.4990,Plg33.0000°,Azm40.0000°; P -0.7100,Plg57.0000°,Azm218.0000° $M_0$0.95900×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.34 $M_{\theta\theta}$2.36 $M_{\phi\phi}$4.97 $M_{r\theta}$1.36 $M_{\theta\phi}$1.90 $M_{\phi r}$-0.26 NP1: ϕ_s216.37031°,δ47.36215°,λ-78.50157°. NP2:ϕ_s19.65437°,δ43.87237°,λ-102.21571°. Principal axes: T 5.9848,Plg1.7636°,Azm298.2633°; N 1.5590,Plg8.4326°,Azm28.5248°; P -7.5439,Plg81.3824°,Azm196.5410° $M_0$6.89779×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.09 $M_{\theta\theta}$2.04 $M_{\phi\phi}$3.05 $M_{r\theta}$-1.13 $M_{\theta\phi}$6.77 $M_{\phi r}$-4.71 NP1:ϕ_s256.50000°,δ40.34000°,λ-36.44000°. NP2:ϕ_s15.87000°,δ67.39000°,λ-124.34000°. Principal axes: T 10.5031,Plg15.0000°,Azm130.0000°; N -2.7553,Plg31.0000°,Azm31.0000°; P -7.7478,Plg54.0000°,Azm243.0000° $M_0$9.43000×10^{16}
AFAD Event type se. Presumed earthquake.
BEO Event type ke.

(266) Northern Molucca Sea

ISC	**IX**	**28 06 25 13.0–.33**	**0.46N–.03**	**126.44E–.03**	**31–2**	**5.2b,4.2s**	**731**	**1-159**
BJI	IX	28 06 25 04.6	0.57S	126.92E	46	5.1b,5.0b		**¶621111214**
IDC	IX	28 06 25 08.4–.37	0.49N	126.34E	0	4.9b,4.9		
NEIC	IX	28 06 25 11.0–1.4	0.52N–.07	126.45E–.04	15–4	5.3b,5.0		
MOS	IX	28 06 25 10.0–.94	0.46N	126.29E	24	5.4b,5.0		
DJA	IX	28 06 25 12.5–.20	1N–1.0	126E–1.0	19–1	5.5b,5.2		
GCMT	IX	28 06 25 16.4–.20	0.49N–.01	126.37E–.01	23–0	5.1W,5.2		
GFZ	IX	28 06 25 16.7–.33	0N–3.0	126E–3.0	62–4	5.3b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109280625A. Moment Tensor Solution. s77,c99; s109,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.03±.16 $M_{\theta\theta}$-0.52±.10; $M_{\phi\phi}$-4.51±.11; $M_{r\theta}$-0.96±.17; $M_{\theta\phi}$-1.83±.08; $M_{\phi r}$0.44±.16; Best double couple: NP1:ϕ_s213.00000°,δ46.00000°,λ106.00000°. NP2:ϕ_s10.00000°,δ47.00000°,λ74.00000°. Principal axes: T 5.2490,Plg78.0000°,Azm203.0000°; N -0.0260,Plg12.0000°,Azm21.0000°; P -5.2230,Plg0.0000°,Azm111.0000° $M_0$5.23600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(706) Northern Sumatera

ISC	**IX**	**28 06 53 23.1–.42**	**1.73N–.03**	**99.11E–.03**	**10**	**4.4b,3.6s**	**118**	**0-83**
IDC	IX	28 06 53 20.6–.89	1.64N	99.16E	0	4.4L,4.2b		**¶621111216**
DJA	IX	28 06 53 22.7–.30	2N–3.0	99E–3.0	10	3.8,3.8		
GFZ	IX	28 06 53 23.4–.19	2N–3.0	99E–3.0	10	5.6b,5.1		
NEIC	IX	28 06 53 24.7–1.5	1.81N–.04	99.03E–.06	10–1	4.3b,5.1		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(266) Northern Molucca Sea

ISC	**IX**	**28 09 19 25.4–1.3**	**0.33N–.04**	**126.15E–.03**	**6–9**	**4.3b**	**52**	**1-91**
IDC	IX	28 09 19 25.5–.84	0.20N	126.07E	0	4.1b,4.1		**¶621140821**
NEIC	IX	28 09 19 25.8–1.2	0.29N–.08	126.17E–.05	10–1	4.2b,4.1		
DJA	IX	28 09 19 28.6–.20	0N–2.0	126E–2.0	10	6.0b,5.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(435) Southeast Indian Ridge

ISC	**IX**	**28 12 50 33.4–.54**	**48.70S–.08**	**107.2E–.10**	**10**	**4.5b,4.0s**	**57**	**15-154**
IDC	IX	28 12 50 32.4–.88	48.62S	107.19E	0	4.1b,4.1		**¶621112113**
NEIC	IX	28 12 50 32.8–1.1	48.65S–.10	107.2E–.20	10–1	4.5b,4.1		
GFZ	IX	28 12 50 34.7–.34	49S–5.0	107E–8.0	10	5.8b,5.4		
GCMT	IX	28 12 50 36.4–.40	48.62S–.02	106.75E–.03	12	4.7W,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109281250A. Moment Tensor Solution. s7,c7; s72,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.23±.08 $M_{\theta\theta}$1.05±.08; $M_{\phi\phi}$-1.28±.07; $M_{r\theta}$-0.46±.27; $M_{\theta\phi}$0.86±.07; $M_{\phi r}$0.15±.22; Best double couple: NP1:ϕ_s206.00000°,δ71.00000°,λ173.00000°. NP2:ϕ_s298.00000°,δ84.00000°,λ19.00000°. Principal axes: T 1.4590,Plg18.0000°,Azm164.0000°; N 0.1440,Plg70.0000°,Azm315.0000°; P -1.6060,Plg9.0000°,Azm71.0000° $M_0$1.53300×10^{16}

(209) Western Caroline Islands

ISC	**IX**	**28 16 26 55.5–.31**	**10.51N–.04**	**139.10E–.05**	**10**	**5.0b,4.1s**	**352**	**6-147**
BJI	IX	28 16 26 52.7	10.50N	139.23E	14	5.5b,4.9b		**¶621112123**
IDC	IX	28 16 26 53.6–.61	10.56N	139.05E	0	5.2L,4.6b		
NEIC	IX	28 16 26 55.3–1.1	10.49N–.04	139.03E–.09	10–1	5.2b,4.9		
GFZ	IX	28 16 26 55.8–.19	11N–2.0	139E–3.0	10	5.5b,5.2		
GCMT	IX	28 16 26 59.1–.20	10.59N–.02	138.90E–.01	12	5.0W,5.2		
DJA	IX	28 16 27 02.0–.70	10N–4.0	139E–3.0	47–6	5.5b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109281626A. Moment Tensor Solution. s36,c38; s115,c196; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.43±.07 $M_{\theta\theta}$0.49±.06; $M_{\phi\phi}$2.94±.06; $M_{r\theta}$1.24±.31; $M_{\theta\phi}$0.69±.06; $M_{\phi r}$-0.10±.22; Best double couple: NP1:ϕ_s359.00000°,δ45.00000°,λ-114.00000°. NP2:ϕ_s211.00000°,δ49.00000°,λ-68.00000°. Principal axes: T 3.1290,Plg2.0000°,Azm286.0000°; N 0.6690,Plg17.0000°,Azm16.0000°; P -3.8020,Plg73.0000°,Azm189.0000° $M_0$3.46600×10^{16}

(186) Vanuatu Islands

ISC	**IX**	**29 00 31 28.4–.28**	**15.83S–.04**	**166.48E–.04**	**26**	**5.0b,4.0s**	**292**	**1-165**
IDC	IX	29 00 31 23.6–.47	15.79S	166.48E	0	4.4L,4.4b		**¶621112351**
NEIC	IX	29 00 31 26.1–1.7	15.87S–.05	166.47E–.06	9–3	5.2b,4.8		
GFZ	IX	29 00 31 26.7–.25	16S–5.0	166E–5.0	10	5.8b,5.4		
NOU	IX	29 00 31 27.5	15.80S	166.44E	29	5.0b,5.4		
GCMT	IX	29 00 31 28.2–.20	15.89S–.02	166.32E–.01	23–0	5.0W,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109290031A. Moment Tensor Solution. s77,c94; s105,c145; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.04±.14 $M_{\theta\theta}$-1.01±.10; $M_{\phi\phi}$-3.03±.10; $M_{r\theta}$1.26±.17; $M_{\theta\phi}$1.59±.07; $M_{\phi r}$-1.05±.14; Best double couple: NP1:ϕ_s338.00000°,δ35.00000°,λ102.00000°. NP2:ϕ_s144.00000°,δ56.00000°,λ82.00000°. Principal axes: T 4.4000,Plg77.0000°,Azm26.0000°; N -0.2100,Plg7.0000°,Azm148.0000°; P -4.1900,Plg11.0000°,Azm240.0000° $M_0$4.29500×10^{16}

(153) South Sandwich Islands region

ISC	**IX**	**29 05 36 12.5–.94**	**59.02S–.06**	**25.55W–.07**	**43–8**	**5.1b,4.0s**	**282**	**8-158**
GFZ	IX	29 05 36 08.4–.20	59S–4.0	25W–4.0	10	6.7,6.5		**¶621239829**
IDC	IX	29 05 36 13.6–2.2	58.99S	25.67W	51–18	4.9,4.6b		
NEIC	IX	29 05 36 13.8–1.2	59.09S–.09	25.6W–.20	52–4	5.1b,4.6b		
GCMT	IX	29 05 36 15.6–.40	59.35S–.03	25.15W–.05	42–1	5.0W,4.6b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109290536A. Moment Tensor Solution. s40,c51; s52,c64; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.35±.22 $M_{\theta\theta}$0.15±.16; $M_{\phi\phi}$-3.50±.13; $M_{r\theta}$-1.20±.16; $M_{\theta\phi}$0.32±.11; $M_{\phi r}$0.47±.13; Best double couple: NP1:ϕ_s192.00000°,δ43.00000°,λ116.00000°. NP2:ϕ_s338.00000°,δ52.00000°,λ68.00000°. Principal axes: T 3.7660,Plg72.0000°,Azm189.0000°; N -0.1920,Plg18.0000°,Azm352.0000°; P -3.5780,Plg5.0000°,Azm83.0000° $M_0$3.67200×10^{16}

(139) Mendoza Province

ISC	**IX**	**29 07 53 56.7–.45**	**33.21S–.02**	**68.20W–.02**	**19–1**	**5.2b,4.2s**	**540**	**1-175**
SJA	IX	29 07 53 56.0–.82	33.23S	68.25W	14	5.2L,5.0W		**¶621112446**
NEIC	IX	29 07 53 56.1–2.3	33.169S–.01	68.18W–.04	10–1	5.2b,4.8		
NEIC	IX	29 07 53 56.8	33.17S	68.18W	13	5.2b,4.8		
NEIC	IX	29 07 53 56.1	33.16S	68.18W	10	5.2b,4.8		
GFZ	IX	29 07 53 57.2–.17	33S–2.0	68W–2.0	19–1	6.1,6.1		
GUC	IX	29 07 53 58.2–.80	33.22S	68.38W	7–6	5.0L,6.1		
IDC	IX	29 07 53 58.1–1.9	33.16S	68.17W	27–12	4.8,4.6b		
VAO	IX	29 07 53 59.3–.36	33.08S	68.09W	30	5.2b,4.6b		
NEIC	IX	29 07 53 59.6	33.26S	68.18W	20	4.9,4.6b		
GCMT	IX	29 07 54 00.0–.40	33.33S–.03	68.15W–.04	28–1	5.0W,4.6b		

ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.34 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.38 $M_{r\theta}$0.21 $M_{\theta\phi}$0.22 $M_{\phi r}$1.10 NP1:ϕ_s3.70000°,δ64.82000°,λ101.21000°. NP2:ϕ_s158.72000°,δ27.41000°,λ67.54000°. Principal axes: T 1.7709,Plg68.0000°,Azm295.0000°; N 0.0135,Plg10.0000°,Azm179.0000°; P -1.7844,Plg19.0000°,Azm85.0000° $M_0$1.78000×10^{16}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 1s4 Moment tensor: Scale 10^{16}Nm; M_{rr}1.05 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-1.81 $M_{r\theta}$-0.67 $M_{\theta\phi}$0.32 $M_{\phi r}$1.80 NP1:ϕ_s199.56000°,δ22.56000°,λ129.52000°. NP2:ϕ_s337.79000°,δ72.78000°,λ75.19000°. Principal axes: T 2.0941,Plg60.0000°,Azm227.0000°; N 0.6859,Plg14.0000°,Azm342.0000°; P -2.7800,Plg26.0000°,Azm79.0000° $M_0$2.51000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109290753A. Moment Tensor Solution. s34,c40; s54,c68; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.06±.21 $M_{\theta\theta}$-0.14±.13; $M_{\phi\phi}$-2.91±.14; $M_{r\theta}$-0.18±.30; $M_{\theta\phi}$-0.56±.10; $M_{\phi r}$2.36±.25; Best double couple: NP1:ϕ_s200.00000°,δ27.00000°,λ106.00000°. NP2:ϕ_s2.00000°,δ64.00000°,λ82.00000°. Principal axes: T 3.9120,Plg70.0000°,Azm255.0000°; N -0.1170,Plg7.0000°,Azm5.0000°; P -3.7900,Plg19.0000°,Azm98.0000° $M_0$3.85100×10^{16}

(259) Mindanao

ISC	**IX**	**29 15 48 56.1–.61**	**5.55N–.03**	**124.95E–.03**	**59–6**	**4.6b,3.8s**	**334**	**1-152**
BJI	IX	29 15 48 52.6	5.48N	124.92E	34	5.1b,4.5b		**¶621113001**
NEIC	IX	29 15 48 54.8–2.5	5.55N–.03	124.79E–.07	35–2	4.8b,4.5b		
GFZ	IX	29 15 48 55.7–.17	6N–2.0	125E–3.0	58	5.3b,5.1L		
DJA	IX	29 15 48 56.2–.40	6N–4.0	125E–2.0	52–10	5.5b,5.3		
MAN	IX	29 15 48 56.9	5.83N	125.02E	17	5.3b,4.4s		
GCMT	IX	29 15 48 57.5–.30	5.62N–.02	124.83E–.03	32–1	4.9W,4.4s		
IDC	IX	29 15 48 58.1–1.1	5.69N	125.11E	77–10	4.3,4.0b		

ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=3.4km az=287.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe. INTENSITY III - KIAMBA SARANGANI ; . INTENSITY II - JOSE ABAD SANTOS DAVAO OCCIDENTAL; GLAN MAASIM AND MALAPATAN SARANGANI; CITY OF GENERAL SANTOS ; . INTENSITY I - TAMPAKAN SOUTH COTABATO.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109291549A. Moment Tensor Solution. s20,c20; s90,c116; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.37±.19 $M_{\theta\theta}$-2.06±.13; $M_{\phi\phi}$1.69±.14; $M_{r\theta}$0.15±.15; $M_{\theta\phi}$1.59±.08; $M_{\phi r}$1.28±.20; Best double couple: NP1:ϕ_s68.00000°,δ67.00000°,λ15.00000°. NP2:ϕ_s332.00000°,δ76.00000°,λ156.00000°. Principal axes: T 2.8980,Plg26.0000°,Azm289.0000°; N -0.2230,Plg63.0000°,Azm124.0000°; P -2.6760,Plg6.0000°,Azm22.0000° $M_0$2.78700×10^{16}
IDC Error ellipse: s-maj=16.6km s-min=8.4km az=81.0.

(9) Fox Islands

ISC	**X**	**01 00 10 51.3–.30**	**52.03N–.04**	**171.12W–.02**	**33–0**	**5.3b,4.5s**	**1342**	**1-154**
MOS	X	01 00 10 50.3–.92	52.11N	171.22W	36	5.5b,4.5s		**¶621113751**
IDC	X	01 00 10 51.0–2.0	52.13N	171.21W	29–13	5.1,4.9b		
AEIC	X	01 00 10 51.5–2.4	51.91N–.06	171.12W–.07	20–3	5.1,4.9b		
BJI	X	01 00 10 52.3	52.36N	171.64W	46	5.6b,5.3b		
NEIC	X	01 00 10 52.3–2.0	51.98N–.08	171.10W–.07	35–1	5.3b,5.2L		
GFZ	X	01 00 10 53.4–.12	52N–3.0	171W–2.0	48	5.9,5.9L		
NEIC	X	01 00 10 54.7	51.77N	171.50W	36	5.2,5.9L		
BGR	X	01 00 10 54.1	52.71N	171.96W	33	5.3b,4.3s		
NEIC	X	01 00 10 54.3	52.17N	171.17W	54	5.3b,4.3s		
GCMT	X	01 00 10 54.5–.20	51.88N–.01	171.15W–.02	32–0	5.2W,4.3s		
NEIC	X	01 00 10 54.3	52.17N	171.17W	54	5.2W,4.3s		

ISC Event type ke.
MOS Error ellipse: s-maj=7.0km s-min=4.0km az=96.9.
IDC Error ellipse: s-maj=13.6km s-min=8.7km az=166.0.
AEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.6km az=155.0. hypocenter. manual.

NEIC Event type se. Error ellipse: s-maj=15.2km s-min=5.8km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.46 $M_{\theta\theta}$-3.07 $M_{\phi\phi}$0.61 $M_{r\theta}$3.93 $M_{\theta\phi}$0.13 $M_{\theta r}$0.52 NP1:ϕ_s284.13000°,δ18.34000°,λ109.70000°. NP2:ϕ_s83.46000°,δ72.76000°,λ83.62000°. Principal axes: T 4.5669,Plg62.0000°,Azm344.0000°; N 0.5469,Plg6.0000°,Azm85.0000°; P -5.1138,Plg27.0000°,Azm179.0000° $M_0$4.86000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.23 $M_{\theta\theta}$-7.51 $M_{\phi\phi}$1.29 $M_{r\theta}$2.31 $M_{\theta\phi}$-0.10 $M_{\theta r}$0.01 NP1:ϕ_s269.19000°,δ35.70000°,λ89.75000°. NP2:ϕ_s89.50000°,δ54.30000°,λ90.18000°. Principal axes: T 6.6058,Plg81.0000°,Azm0.0000°; N 1.2864,Plg0.0000°,Azm269.0000°; P -7.8922,Plg9.0000°,Azm179.0000° $M_0$7.33000×10^{16}

BGR Event type ke.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110010010A. Moment Tensor Solution. s104,c158; s123,c191;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65±.02 $M_{\theta\theta}$-0.70±.01; $M_{\phi\phi}$0.05±.01; $M_{r\theta}$0.35±.01; $M_{\theta\phi}$-0.05±.01; $M_{\theta r}$-0.04±.02; Best double couple: NP1:ϕ_s261.00000°,δ32.00000°,λ81.00000°. NP2:ϕ_s91.00000°,δ59.00000°,λ95.00000°. Principal axes: T 0.7360,Plg76.0000°,Azm16.0000°; N 0.0510,Plg5.0000°,Azm268.0000°; P -0.7870,Plg13.0000°,Azm177.0000° $M_0$0.76100×10^{17}

NEIC Event type se.

(9) Fox Islands

ISC	X	01 00 24 40.0–.49	52.03N–.08	171.21W–.03	40–3	4.8b,3.8s	341	1-154
MOS	X	01 00 24 38.6–.97	52.14N	171.17W	41	4.7b,3.8s		¶621113754
BGR	X	01 00 24 38.5	51.66N	169.10W	33	4.7b,3.8s		
IDC	X	01 00 24 39.2–4.7	52.18N	171.22W	33–34	4.4,4.2b		
NEIC	X	01 00 24 39.9–2.2	51.95N–.09	171.14W–.07	35–1	4.8b,4.5L		
BJI	X	01 00 24 40.0	52.34N	171.19W	62	5.4b,5.0s		
AEIC	X	01 00 24 41.6–2.2	52.22N–.07	171.22W–.08	39–5	5.4b,5.0s		
GFZ	X	01 00 24 42.3–.27	52N–7.0	171W–3.0	57	5.5b,5.0		

ISC Event type ke.

BGR Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(193) Bougainville-Solomon Islands region

ISC	X	01 02 59 38.8–.41	8.39S–.07	156.44E–.06	21	4.6b,3.8s	81	4-146
IDC	X	01 02 59 35.4–.52	8.39S	156.40E	0	4.3b,4.3		¶621147804
NEIC	X	01 02 59 37.5–1.6	8.42S–.05	156.45E–.07	10–1	4.8b,4.3		
DJA	X	01 02 59 56.2–2.5	9S–7.0	156E–14	135–19	6.5b,6.3		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(285) Sumbawa region

ISC	X	01 11 15 48.0–.51	8.20S–.03	118.11E–.04	9–3	5.0b,4.0s	427	1-162
IDC	X	01 11 15 46.4–.44	8.07S	118.23E	0	4.7b,4.7		¶621115398
NEIC	X	01 11 15 47.9–1.2	8.18S–.06	118.08E–.06	10–1	5.0b,4.7		
DJA	X	01 11 15 49.7–.40	8S–1.0	118E–1.0	13–3	5.5b,5.3		
GFZ	X	01 11 15 49.0–.24	8S–2.0	118E–2.0	11–1	5.9b,5.5		
GFZ	X	01 11 15 49.0	8.18S	118.11E	11	4.9W,5.5		
GCMT	X	01 11 15 50.9–.20	8.14S–.01	117.97E–.03	15–1	4.9W,5.5		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.64 $M_{\theta\theta}$-1.66 $M_{\phi\phi}$0.02 $M_{r\theta}$-2.31 $M_{\theta\phi}$-0.53 $M_{\theta r}$-0.68 NP1:ϕ_s74.25550°,δ17.78957°,λ90.56954°. NP2:ϕ_s253.65737°,δ72.21134°,λ89.81726°. Principal axes: T 2.8805,Plg62.7882°,Azm163.3748°; N 0.1693,Plg0.1740°,Azm253.7132°; P -3.0498,Plg27.2111°,Azm343.8027° $M_0$2.96880×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110011115A. Moment Tensor Solution. s38,c41; s92,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.98±.12 $M_{\theta\theta}$-2.24±.08; $M_{\phi\phi}$0.26±.09; $M_{r\theta}$-0.85±.15; $M_{\theta\phi}$0.13±.06; $M_{\theta r}$-1.18±.24; Best double couple: NP1:ϕ_s116.00000°,δ40.00000°,λ131.00000°. NP2:ϕ_s247.00000°,δ61.00000°,λ61.00000°. Principal axes: T 2.7150,Plg62.0000°,Azm111.0000°; N -0.3050,Plg25.0000°,Azm262.0000°; P -2.4090,Plg12.0000°,Azm358.0000° $M_0$2.56200×10^{16}

(12) Alaska Peninsula

ISC	X	01 14 12 52.2–.27	55.99N–.04	156.40W–.02	46–2	5.3b,4.1s	1125	0-153
IDC	X	01 14 12 46.0–.50	55.97N	156.62W	0	5.0b,5.0		¶621116081
MOS	X	01 14 12 47.2–.99	56.04N	156.49W	18	5.5b,5.0		
BJI	X	01 14 12 49.0	56.00N	156.50W	48	5.3b,5.2b		
NEIC	X	01 14 12 51.8	55.96N	156.36W	39	5.3b,5.2b		
NEIC	X	01 14 12 51.8	55.96N	156.36W	40	5.3b,5.2b		
NEIC	X	01 14 12 51.7–1.4	55.95N–.04	156.35W–.06	42–4	5.3b,5.0L		
AEIC	X	01 14 12 52.7–1.4	55.91N–.05	156.33W–.08	45–4	5.3b,5.0L		
GCMT	X	01 14 12 52.4–.20	56.01N–.02	156.40W–.02	39–0	5.0W,5.0L		
GFZ	X	01 14 12 52.9–.25	56N–3.0	156W–2.0	44–2	6.2,6.2		
BGR	X	01 14 12 54.9	56.49N	157.80W	33	5.2b,4.0s		
NEIC	X	01 14 12 56.2	55.86N	156.18W	36	5.1,4.0s		

ISC Event type ke.

IDC Error ellipse: s-maj=14.3km s-min=9.0km az=177.0.

MOS Error ellipse: s-maj=7.5km s-min=3.9km az=96.6.

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.40 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$1.69 $M_{r\theta}$-0.38 $M_{\theta\phi}$2.30 $M_{\theta r}$2.13 NP1:ϕ_s71.73000°,δ44.53000°,λ-22.60000°. NP2:ϕ_s178.26000°,δ74.36000°,λ-132.25000°. Principal axes: T 3.7286,Plg18.0000°,Azm298.0000°; N -0.4412,Plg40.0000°,Azm192.0000°; P -3.2873,Plg44.0000°,Azm47.0000° $M_0$3.53000×10^{16}

AEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.1km az=151.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110011412A. Moment Tensor Solution. s65,c101; s107,c173;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.16 $M_{\theta\theta}$-0.59±.15; $M_{\phi\phi}$2.69±.10; $M_{r\theta}$-0.38±.15; $M_{\theta\phi}$3.52±.09; $M_{\theta r}$2.17±.10; Best double couple: NP1:ϕ_s72.00000°,δ52.00000°,λ-22.00000°. NP2:ϕ_s176.00000°,δ72.00000°,λ-140.00000°. Principal axes: T 5.3030,Plg13.0000°,Azm300.0000°; N -1.1900,Plg47.0000°,Azm196.0000°; P -4.1160,Plg40.0000°,Azm41.0000° $M_0$4.71000×10^{16}

GFZ Error ellipse: s-maj=6.3km s-min=3.8km az=12.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

BGR Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.04 $M_{\theta\theta}$0.41 $M_{\phi\phi}$2.62 $M_{r\theta}$-0.24 $M_{\theta\phi}$3.44 $M_{\theta r}$1.67 NP1:ϕ_s66.31000°,δ45.86000°,λ-42.95000°. NP2:ϕ_s189.27000°,δ60.73000°,λ-127.02000°. Principal axes: T 5.3129,Plg8.0000°,Azm305.0000°; N -1.3648,Plg32.0000°,Azm210.0000°; P -3.9482,Plg57.0000°,Azm48.0000° $M_0$4.78000×10^{16}

(153) South Sandwich Islands region

ISC	X	01 15 44 06.2–.33	60.53S–.08	26.35W–.09	10	5.4b,3.9s	197	8-158
GFZ	X	01 15 44 05.5–.29	61S–6.0	26W–8.0	10	5.6b,5.5b		¶621116085
IDC	X	01 15 44 05.2–.45	60.50S	26.55W	0	4.6L,4.6b		
NEIC	X	01 15 44 06.5–1.7	60.5S–.10	26.4W–.20	10–1	5.3b,4.6b		
GCMT	X	01 15 44 11.1–.40	60.87S–.02	25.83W–.04	16–1	4.9W,4.6b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110011544A. Moment Tensor Solution. s16,c18; s78,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.25±.15 $M_{\theta\theta}$-0.67±.14; $M_{\phi\phi}$-0.58±.11; $M_{r\theta}$0.30±.32; $M_{\theta\phi}$2.11±.09; $M_{\theta r}$0.78±.33; Best double couple: NP1:ϕ_s97.00000°,δ58.00000°,λ28.00000°. NP2:ϕ_s351.00000°,δ66.00000°,λ145.00000°. Principal axes: T 2.1560,Plg41.0000°,Azm311.0000°; N 0.6060,Plg49.0000°,Azm141.0000°; P -2.7650,Plg5.0000°,Azm45.0000° $M_0$2.46100×10^{16}

(651) North of Severnaya Zemlya

ISC	X	01 23 56 39.0–.34	84.67N–.05	101.41E–.05	10	4.6b,3.5s	304	7-89
IDC	X	01 23 56 37.5–.60	84.64N	103.47E	0	4.4L,4.0b		¶621116393
NEIC	X	01 23 56 38.5–1.4	84.7N–.10	103E–1.0	10–1	4.7b,4.0b		
MOS	X	01 23 56 38.1–1.1	84.67N	102.71E	12	4.6b,4.0b		
GCMT	X	01 23 56 38.7–.40	84.68N–.04	103.2E–.50	14–1	4.6W,4.0b		
GFZ	X	01 23 56 39.8–.17	85N–3.0	103E–3.0	10	6.0b,5.6		
FCIAR	X	01 23 56 41.0	84.56N	100.20E	10	6.0b,5.6		

ISC Event type se.

IDC Error ellipse: s-maj=20.2km s-min=11.9km az=133.0.

NEIC Event type se. Error ellipse: s-maj=19.4km s-min=14.8km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MOS Error ellipse: s-maj=53.3km s-min=6.2km az=88.8.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110012356A. Moment Tensor Solution. s13,c15; s69,c99; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.11±.12 $M_{\theta\theta}$0.59±.07; $M_{\phi\phi}$0.51±.07; $M_{r\theta}$-0.25±.17; $M_{\theta\phi}$-0.43±.04; $M_{\theta r}$0.18±.18; Best double couple: NP1:ϕ_s314.00000°,δ37.00000°,λ-87.00000°. NP2:ϕ_s131.00000°,δ53.00000°,λ-92.00000°. Principal axes: T 1.0300,Plg8.0000°,Azm222.0000°; N 0.1240,Plg2.0000°,Azm132.0000°; P -1.1560,Plg82.0000°,Azm31.0000° $M_0$1.09300×10^{16}

GFZ Error ellipse: s-maj=6.5km s-min=4.8km az=142.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

FCIAR station ZFI2 has station magnitude of 3.4. station OMEGA has station magnitude of 3.4.

(193) Bougainville-Solomon Islands region

ISC	X	02 00 54 27.5–.30	7.18S–.05	154.95E–.05	10	5.0b,4.0s	201	4-148
IDC	X	02 00 54 25.5–.52	7.12S	154.85E	0	4.4b,4.4		¶621116394
BJI	X	02 00 54 27.0	6.92S	155.23E	18	5.2b,4.9b		
NEIC	X	02 00 54 28.1–1.6	7.22S–.03	154.91E–.08	10–1	5.1b,4.9b		
GCMT	X	02 00 54 32.4–.20	7.23S–.02	154.78E–.02	20–0	5.0W,4.9b		
DJA	X	02 00 54 43.2–.60	8S–4.0	155E–4.0	105–6	5.6,5.6b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110020054A. Moment Tensor Solution. s48,c56; s107,c139; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.50±.16 $M_{\theta\theta}$-1.84±.11; $M_{\phi\phi}$-1.66±.10; $M_{r\theta}$1.32±.21; $M_{\theta\phi}$1.15±.06; $M_{\theta r}$-1.62±.20; Best double couple: NP1:ϕ_s310.00000°,δ29.00000°,λ84.00000°. NP2:ϕ_s137.00000°,δ62.00000°,λ93.00000°. Principal axes: T 4.1270,Plg73.0000°,Azm55.0000°; N -0.6110,Plg3.0000°,Azm315.0000°; P -3.5160,Plg16.0000°,Azm224.0000° $M_0$3.82200×10^{16}

(193) Bougainville-Solomon Islands region

ISC	X	02 02 17 13.3–.45	7.09S–.04	154.84E–.04	15–2	5.5b,4.8s	706	4-150
BJI	X	02 02 17 09.6	6.78S	155.40E	9	5.7b,5.3b		¶621630023
IDC	X	02 02 17 10.4–.39	7.09S	154.93E	0	4.8b,4.8		
MOS	X	02 02 17 11.4–1.2	7.02S	154.76E	10	5.5b,4.9s		
GFZ	X	02 02 17 13.7	7.06S	154.80E	12	5.4W,4.9s		
NEIC	X	02 02 17 13.2–2.4	7.11S–.08	154.80E–.09	10–1	5.6b,4.9s		
NEIC	X	02 02 17 13.2	7.11S	154.80E	10	5.6b,4.9s		
GFZ	X	02 02 17 13.7–.15	7S–3.0	155E–3.0	10	5.9b,5.6		
NEIC	X	02 02 17 13.7	7.01S	154.80E	18	5.4,5.6		
DJA	X	02 02 17 15.1–.20	7S–3.0	155E–3.0	10	6.2,5.8b		
GCMT	X	02 02 17 17.3–.10	7.19S–.01	154.79E–.01	12	5.5W,5.8b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.38 $M_{\theta\theta}$-0.88 $M_{\phi\phi}$-0.50 $M_{r\theta}$0.82 $M_{\theta\phi}$0.70 $M_{\theta r}$-0.23 NP1:ϕ_s116.23541°,δ60.68363°,λ78.72922°. NP2:ϕ_s318.38267°,δ31.22769°,λ109.19033°. Principal axes: T 1.6498,Plg71.9670°,Azm259.7200°; N -0.0172,Plg9.8120°,Azm121.8086°; P -1.6326,Plg14.9772°,Azm214.4604° $M_0$1.64129×10^{17}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.72 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$-0.64 $M_{r\theta}$0.55 $M_{\theta\phi}$0.66 $M_{\theta r}$-0.70 NP1:ϕ_s299.84000°,δ31.45000°,λ79.03000°. NP2:ϕ_s132.64000°,δ59.18000°,λ96.64000°. Principal axes: T 1.9563,Plg75.0000°,Azm61.0000°; N -0.1891,Plg6.0000°,Azm309.0000°; P -1.7672,Plg14.0000°,Azm218.0000° $M_0$1.87000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110020217A. Moment Tensor Solution. s136,c245; s156,c308;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.52±.01 $M_{\theta\theta}$-0.90±.01; $M_{\phi\phi}$-0.61±.01; $M_{r\theta}$1.32±.04; $M_{\theta\phi}$0.76±.01; $M_{\theta r}$-0.97±.04; Best double couple: NP1:ϕ_s312.00000°,δ22.00000°,λ95.00000°. NP2:ϕ_s127.00000°,δ69.00000°,λ88.00000°. Principal axes: T 2.2330,Plg66.0000°,Azm34.0000°; N 0.0090,Plg2.0000°,Azm128.0000°; P -2.2420,Plg23.0000°,Azm219.0000° $M_0$2.23800×10^{17}

(169) Samoa Islands region

ISC	X	02 04 24 30.6–.25	14.95S–.05	173.19W–.04	10	5.5s,5.1b	554	2-158
NEIC	X	02 04 24 29.7	14.61S	173.30W	20	5.5s,5.1b		¶621116400
BJI	X	02 04 24 29.8	14.85S	173.46W	6	5.8b,5.5s		
NEIC	X	02 04 24 29.7–2.4	14.6S–.10	173.30W–.07	20–5	5.5,5.2b		
IDC	X	02 04 24 29.7–.44	14.97S	173.26W	0	5.3s,4.8b		
MOS	X	02 04 24 30.8–1.7	15.07S	173.59W	10	5.5b,5.4s		
NOU	X	02 04 24 31.3	15.00S	173.05W	36	4.9b,5.4s		
GFZ	X	02 04 24 32.0–.13	15S–4.0	173W–3.0	10	6.0b,5.7		
GCMT	X	02 04 24 36.7–.10	14.87S–.01	173.24W	12	5.7W,5.7		
NEIC	X	02 04 24 40	14.61S	173.10W	30	5.8,5.7		

ISC Event type se.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=20.9km s-min=7.5km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=16.1km s-min=15.4km az=85.0.

MOS Error ellipse: s-maj=10.0km s-min=8.6km az=68.1.

NOU Tonga Islands.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110020424A. Moment Tensor Solution. s136,c271; s163,c449;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.48±.02 $M_{\theta\theta}$1.63±.02; $M_{\phi\phi}$-2.12±.02; $M_{r\theta}$0.46±.06; $M_{\theta\phi}$2.10±.02; $M_{\theta r}$2.76±.05; Best double couple: NP1:ϕ_s110.00000°,δ44.00000°,λ5.00000°. NP2:ϕ_s17.00000°,δ87.00000°,λ134.00000°. Principal axes: T 3.6070,Plg33.0000°,Azm323.0000°; N 0.6740,Plg44.0000°,Azm193.0000°; P -4.2890,Plg28.0000°,Azm73.0000° $M_0$3.94800×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$4.58 $M_{\phi\phi}$-4.09 $M_{r\theta}$-0.63 $M_{\theta\phi}$3.15 $M_{\theta r}$-0.45 NP1:ϕ_s297.20000°,δ83.09000°,λ2.72000°. NP2:ϕ_s206.87000°,δ87.30000°,λ173.08000°. Principal axes: T 5.6903,Plg7.0000°,Azm162.0000°; N -0.5689,Plg83.0000°,Azm6.0000°; P -5.1214,Plg3.0000°,Azm252.0000° $M_0$5.43000×10^{17}

(369) Dodecanese Islands

ISC	X	02 07 45 37.1–.90	35.22N–.03	27.81E–.02	19–3	4.0b	334	1-81
AFAD	X	02 07 45 34.7	35.10N	27.80E	25–2	3.9L		¶621116409
IDC	X	02 07 45 35.3–.68	35.45N	27.80E	0	4.0b,3.9		
NEIC	X	02 07 45 36.2–1.7	35.22N–.04	27.75E–.04	10–1	4.0b,3.9		
NIC	X	02 07 45 37.3	35.26N	27.84E	18–1	3.6L,3.9		
GFZ	X	02 07 45 37.7–.24	35N–3.0	28E–2.0	10	6.3b,6.0		
ISK	X	02 07 45 38.4	35.35N	27.75E	15–0	3.9L,6.0		
GII	X	02 07 45 38.7–.00	34.978N–.00	27.839E–.00	0	3.8,6.0		
THE	X	02 07 45 40.4	35N–8.0	28E–8.0	6–12	3.7,3.7		
ATH	X	02 07 45 40.4	35.44N	27.76E	12–2	3.9L,3.7		

ISC Event type ke.

AFAD Event type se. Presumed earthquake.

IDC Error ellipse: s-maj=13.6km s-min=8.5km az=11.0.

NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.2km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISK Event type ke.

GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/10/02 07:47:01, This location: 2021/10/02 08:00:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.

(192) New Britain region

ISC	**X**	**02 09 43 13.2–.41**	**7.29S–.06**	**154.93E–.07**	**31**	**4.5b**	**73**	**4-148**
IDC	X	02 09 43 09.1–.57	7.06S	154.85E	0	4.2b,4.2		**¶621186058**
NEIC	X	02 09 43 10.6–1.4	7.33S–.05	154.91E–.10	10–1	4.6b,4.2		
DJA	X	02 09 43 26.5–.70	7S–6.0	154E–7.0	52–10	5.6b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(429) Mid-Indian Ridge

ISC	**X**	**02 20 43 39.9–.38**	**9.19S–.03**	**67.23E–.03**	**15–2**	**5.5b,5.5s**	**1675**	**5-158**
MOS	X	02 20 43 36.4–.96	9.18S	67.20E	10	5.5b,5.3s		**¶621117003**
IDC	X	02 20 43 37.0–.35	9.15S	67.21E	0	5.2s,5.1b		
BJI	X	02 20 43 38.0	9.49S	66.76E	42	5.8b,5.7s		
NEIC	X	02 20 43 39.3	9.17S	67.22E	10	5.8b,5.7s		
ISC-P	X	02 20 43 39	9.18S	67.26E	16–4	6.4,5.7s		
GFZ	X	02 20 43 39.7	9.21S	67.17E	12	6.0W,5.7s		
IPGP	X	02 20 43 39.0	9.14S	67.18E	10	6.1W,5.7s		
NEIC	X	02 20 43 39.5–1.6	9.18S–.08	67.26E–.07	10–1	5.9,5.6b		
NEIC	X	02 20 43 39.3	9.17S	67.22E	10	5.9,5.6b		
GFZ	X	02 20 43 39.6–.12	9S–3.0	67E–2.0	10	5.9b,5.7		
PTWC	X	02 20 43 40	9.10S	67.20E	10	6.2,5.7		
GCMT	X	02 20 43 42.6–.10	9.21S	67.05E	20–0	6.0W,5.7		
NEIC	X	02 20 43 44	8.97S	67.12E	14	6.0,5.7		

ISC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=4.1km az=104.6.
IDC Error ellipse: s-maj=11.8km s-min=10.1km az=81.0.
NEIC Event type se.
ISC-P Moment Tensor Solution. s40 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08±.10 $M_{\theta\theta}$-0.40±.12; $M_{\phi\phi}$0.49±.14; $M_{r\theta}$-0.08±.26; $M_{\theta\phi}$0.05±.12; $M_{\phi r}$0.54±.11; NP1:ϕ_s69.90000°,δ83.20000° ,λ354.20000°. NP2:ϕ_s160.50000°,δ84.20000°,λ-173.20000°. M_o4.79000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.03 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$1.17 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.12 $M_{\phi r}$0.01 NP1: ϕ_s137.85117°,δ89.48008°,λ-179.17417°. NP2:ϕ_s47.84367°,δ89.17421°,λ-0.51997°. Principal axes: T 1.1793,Plg0.2163°,Azm272.8456°; N -0.0334,Plg89.0241°,Azm170.0423° ; P -1.1459,Plg0.9516°,Azm2.8492° M_o1.16295×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s141.00000°,δ78.00000°,λ174.00000°. NP2:ϕ_s232.00000° ,δ85.00000°,λ12.00000°.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.3km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.33 $M_{\theta\theta}$-8.56 $M_{\phi\phi}$8.88 $M_{r\theta}$-0.17 $M_{\theta\phi}$2.61 $M_{\phi r}$0.49 NP1:ϕ_s53.36000°,δ86.92000°,λ0.82000°. NP2:ϕ_s323.32000°,δ89.18000° ,λ176.92000°. Principal axes: T 9.2888,Plg3.0000°,Azm278.0000°; N -0.3420,Plg87.0000° ,Azm128.0000°; P -8.9467,Plg2.0000°,Azm8.0000° M_o9.12000×10^{17}
NEIC Event type se.
GFZ Error ellipse: s-maj=5.5km s-min=3.9km az=10.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110022043A. Moment Tensor Solution. s147,c303; s164,c530;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09±.01 $M_{\theta\theta}$-1.17±.01; $M_{\phi\phi}$1.27±.01; $M_{r\theta}$-0.20±.01; $M_{\theta\phi}$0.23±.01; $M_{\phi r}$0.18±.01; Best double couple: NP1:ϕ_s50.00000°,δ78.00000°,λ-3.00000°. NP2:ϕ_s141.00000°,δ87.00000°,λ-168.00000°. Principal axes: T 1.3110,Plg7.0000°,Azm275.0000°; N -0.0710,Plg77.0000°,Azm153.0000° ; P -1.2330,Plg11.0000°,Azm6.0000° M_o1.27200×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.02 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$1.10 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.14 $M_{\phi r}$0.19 NP1:ϕ_s41.72000°,δ80.22000° ,λ4.07000°. NP2:ϕ_s311.03000°,δ85.99000°,λ170.20000°. Principal axes: T 1.1412,Plg10.0000°,Azm266.0000°; N -0.0502,Plg79.0000°,Azm109.0000° ; P -1.0911,Plg4.0000°,Azm357.0000° M_o1.12000×10^{18}

(250) Mindoro

ISC	**X**	**02 21 59 28.4–.48**	**12.89N–.01**	**120.90E–.02**	**16–2**	**5.0b,4.9s**	**891**	**0-150**
BJI	X	02 21 59 24.7	12.71N	120.89E	13	5.2s,5.2b		**¶621117005**
IDC	X	02 21 59 24.9–.44	12.86N	120.84E	0	4.7s,4.4b		
MOS	X	02 21 59 25.2–.91	12.85N	120.88E	14	5.2b,4.9s		
NEIC	X	02 21 59 26.7–1.1	12.87N–.06	120.91E–.08	9–4	5.1b,4.9s		
NEIC	X	02 21 59 26.7	12.87N	120.91E	9	5.1b,4.9s		
MAN	X	02 21 59 27.4	12.85N	120.87E	16	5.9b,5.3s		
GFZ	X	02 21 59 29.0–.12	13N–2.0	121E–3.0	10	5.5b,5.4		
GCMT	X	02 21 59 29.1–.10	12.98N–.01	120.89E–.01	12	5.3W,5.4		
DJA	X	02 21 59 32.7–.30	13N–2.0	121E–2.0	46–3	5.7,5.5b		
NEIC	X	02 21 59 36.5	12.87N	120.91E	12	5.4,5.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.7km s-min=9.6km az=77.0.
MOS Error ellipse: s-maj=8.2km s-min=4.3km az=111.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.9km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
MAN Event type fe. INTENSITY VI - SABLAYAN OCCIDENTAL MINDORO; . INTENSITY IV - CALINTAAN OCCIDENTAL MINDORO; . INTENSITY III - ABRA DE ILOG AND SANTA CRUZ OCCIDENTAL MINDORO; . INTENSITY II - BOAC MARINDUQUE; LUBANG MAGSAYSAY AND MAMBURAO OCCIDENTAL MINDORO; BACO BONGABONG CITY OF CALAPAN GLORIA PINAMALAYAN ROXAS SAN TEODORO AND SOCORRO ORIENTAL MINDORO.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110022159A. Moment Tensor Solution. s76,c101; s144,c279;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.02 $M_{\theta\theta}$1.00±.02; $M_{\phi\phi}$-0.74±.02; $M_{r\theta}$-0.34±.05; $M_{\theta\phi}$0.66±.01; $M_{\phi r}$-0.62±.06; Best double couple: NP1: ϕ_s295.00000°,δ56.00000°,λ-8.00000°. NP2:ϕ_s30.00000°,δ83.00000°,λ-145.00000°. Principal axes: T 1.3950,Plg18.0000°,Azm158.0000°; N -0.1610,Plg55.0000°,Azm39.0000° ; P -1.2370,Plg29.0000°,Azm258.0000° M_o1.31600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32 $M_{\theta\theta}$0.77 $M_{\phi\phi}$-0.44 $M_{r\theta}$-1.13 $M_{\theta\phi}$0.43 $M_{\phi r}$-0.91 NP1:ϕ_s294.69000°,δ21.54000° ,λ-23.97000°. NP2:ϕ_s47.16000°,δ81.42000°,λ-109.83000°. Principal axes: T 1.8112,Plg34.0000°,Azm154.0000°; N -0.3813,Plg20.0000°,Azm50.0000° ; P -1.4300,Plg50.0000°,Azm295.0000° M_o1.65000×10^{17}

(267) Halmahera

ISC	**X**	**02 23 22 18.0–.34**	**2.59N–.04**	**129.11E–.06**	**10**	**4.7b,4.4s**	**215**	**2-100**
BJI	X	02 23 22 12.1	2.10N	129.46E	10	4.8b,4.6s		**¶621117061**
IDC	X	02 23 22 16.4–.46	2.62N	129.14E	0	4.4b,4.4		
GFZ	X	02 23 22 17.9–.21	3N–2.0	129E–3.0	10	5.7b,5.2		
NEIC	X	02 23 22 18.6–1.1	2.55N–.07	129.04E–.07	10–1	4.7b,5.2		
DJA	X	02 23 22 20.2–.40	3N–5.0	129E–3.0	10	5.2b,4.6		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(250) Mindoro

ISC	**X**	**02 23 33 34.1–1.0**	**12.90N–.02**	**120.87E–.02**	**11–6**	**4.5b,4.0s**	**277**	**0-100**
BJI	X	02 23 33 29.2	12.61N	121.12E	10	4.6b,4.4s		**¶621117063**
IDC	X	02 23 33 31.2–.61	12.86N	120.62E	0	4.1b,4.1		
NEIC	X	02 23 33 33.8–1.5	12.94N–.07	121.01E–.10	10–1	4.6b,4.1		
MAN	X	02 23 33 34.1	12.85N	120.87E	11	5.4b,4.7s		
DJA	X	02 23 33 41.6–.40	13N–2.0	121E–3.0	44–5	5.8b,5.4		

ISC Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - SABLAYAN OCCIDENTAL MINDORO ; . INTENSITY III - CALINTAAN OCCIDENTAL MINDORO ; . INTENSITY II - ABRA DE ILOG AND MAMBURAO OCCIDENTAL MINDORO ; . INTENSITY I - BACO AND SAN TEODORO ORIENTAL MINDORO.

(179) South of Kermadec Islands

ISC	**X**	**03 05 49 09.2–.33**	**33.63S–.04**	**179.24W–.05**	**44–2**	**5.3b,5.0s**	**556**	**4-175**
BJI	X	03 05 49 07.8	33.65S	178.65W	49	5.8b,5.4b		**¶621117080**
MOS	X	03 05 49 07.6–.95	33.58S	179.39W	38	5.4b,5.4b		
IDC	X	03 05 49 09.5–2.2	33.54S	179.38W	44–19	5.1L,4.8		
NEIC	X	03 05 49 09.6–1.0	33.59S–.09	179.3W–.10	42–5	5.3b,5.1		
GFZ	X	03 05 49 09.6–.26	34S–3.0	179W–3.0	40–2	5.5b,5.3b		
WEL	X	03 05 49 10.0	33.66S	179.34W	45	6.1b,5.9L		
GCMT	X	03 05 49 10.4–.10	33.61S–.01	179.01W–.01	39–0	5.3W,5.9L		
NEIC	X	03 05 49 10	33.63S	179.31W	41	5.3W,5.9L		
NEIC	X	03 05 49 10.4	33.93S	178.95W	40	5.3,5.9L		

ISC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=9.9km az=87.1.
IDC Error ellipse: s-maj=13.2km s-min=11.3km az=96.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.7km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.3km s-min=5.9km az=146.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL Event type se. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110030549A. Moment Tensor Solution. s122,c206; s130,c205;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.02 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-1.13±.01; $M_{r\theta}$-0.17±.01; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$-0.09±.01; Best double couple: NP1: ϕ_s354.00000°,δ43.00000°,λ78.00000°. NP2:ϕ_s191.00000°,δ48.00000°,λ101.00000°. Principal axes: T 1.1280,Plg81.0000°,Azm166.0000°; N 0.0070,Plg8.0000°,Azm3.0000° ; P -1.1360,Plg3.0000°,Azm273.0000° M_o1.13200×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.96 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-1.05 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.05 $M_{\phi r}$-0.12 NP1:ϕ_s342.98000°,δ43.91000° ,λ68.40000°. NP2:ϕ_s191.77000°,δ49.85000°,λ109.51000°. Principal axes: T 1.0347,Plg75.0000°,Azm167.0000°; N 0.0216,Plg15.0000°,Azm359.0000° ; P -1.0564,Plg3.0000°,Azm268.0000° M_o1.05000×10^{17}

(9) Fox Islands

ISC	**X**	**03 15 53 36.9–.90**	**52.07N–.08**	**171.20W–.03**	**46–7**	**4.6b,3.5s**	**452**	**1-154**
MOS	X	03 15 53 35.9–.92	52.15N	171.19W	49	4.7b,3.5s		**¶621117126**
NEIC	X	03 15 53 37.3–1.3	52.10N–.10	171.21W–.09	46–4	4.5L,4.5b		
IDC	X	03 15 53 37.1–2.2	52.17N	171.17W	45–18	4.3,4.0b		
AEIC	X	03 15 53 38.1–2.1	52.1N–.10	171.24W–.08	26–4	4.3,4.0b		
BJI	X	03 15 53 38.6	52.51N	171.96W	53	4.9b,4.8b		
GFZ	X	03 15 53 38.2–.83	52N–6.0	171W–3.0	51–7	6.1,6.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(250) Mindoro

ISC	**X**	**03 18 33 51.6–1.1**	**13.40N–.02**	**121.48E–.02**	**12–7**	**4.4b,3.6s**	**185**	**0-119**
IDC	X	03 18 33 49.2–.60	13.28N	121.59E	0	4.8L,4.1		**¶621186141**
NEIC	X	03 18 33 51.0–1.7	13.44N–.08	121.6E–.10	10–1	4.5b,4.1		
MAN	X	03 18 33 51.8	13.37N	121.54E	15	5.3b,4.4s		
DJA	X	03 18 34 11.8–.30	14N–2.0	121E–4.0	219–7	6.1b,5.8		

ISC Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - CITY OF CALAPAN GLORIA NAUJAN PINAMALAYAN AND POLA ORIENTAL MINDORO ; . INTENSITY III - SOCORRO ORIENTAL MINDORO ; . INTENSITY II - BACO AND PUERTO GALERA ORIENTAL MINDORO.

(347) Western Iran

ISC	**X**	**04 02 39 29.0–.23**	**32.34N–.02**	**49.72E–.02**	**21–2**	**6.0b,5.3s**	**2358**	**1-170**
BJI	X	04 02 39 26.0	32.30N	49.80E	10	5.8s,5.8b		**¶621117512**
IPGP	X	04 02 39 27.0	32.27N	49.75E	23	5.5W,5.8b		
MOS	X	04 02 39 27.0–.98	32.31N	49.68E	15	6.1b,5.1s		
NEIC	X	04 02 39 27.9	32.29N	49.75E	10	6.1b,5.1s		
NEIC	X	04 02 39 27.9	32.28N	49.73E	10	6.1b,5.1s		
GFZ	X	04 02 39 28.5–.09	32N–2.0	50E–1.0	10	6.9L,6.1b		
NEIC	X	04 02 39 28.3–2.1	32.34N–.06	49.76E–.08	13–1	6.1b,5.4		
ISC-P	X	04 02 39 28	32.34N	49.76E	18–0	5.8,5.4		
TEH	X	04 02 39 28.3	32.33N	49.75E	9	5.8L,5.4		
NEIC	X	04 02 39 28.2	32.48N	49.97E	22	5.5,5.4		
GFZ	X	04 02 39 28.6	32.33N	49.75E	19	5.5W,5.4		
GCMT	X	04 02 39 29.8–.10	32.22N–.01	49.72E–.01	23–0	5.6W,5.4		
THR	X	04 02 39 29.2–.00	32.35N	49.73E	17–3	6.0L,5.4		
PTWC	X	04 02 39 30	32.20N	49.70E		5.7,5.4		
BGR	X	04 02 39 31.4	32.23N	49.31E	33	6.2,5.9b		
IDC	X	04 02 39 31.2–1.1	32.37N	49.69E	35–7	5.7,5.5b		
OMAN	X	04 02 39 35.3–.14	32.11N	50.20E	69–1	6.1b,5.7		
PDG	X	04 02 39 36.8	32.30N	47.78E	10	5.6b,5.7		
DSN	X	04 02 39 36.2–.80	31.93N	50.12E	30	6.0L,5.7		
AFAD	X	04 02 39 40.0	32.20N	48.40E	35–465	5.4W,5.7		

ISC Event type ke.
IPGP Moment Tensor Solution. NP1:ϕ_s125.00000°,δ41.00000°,λ94.00000°. NP2:ϕ_s299.00000° ,δ49.00000°,λ86.00000°.
MOS Error ellipse: s-maj=4.2km s-min=2.3km az=120.9.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.0km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.41 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$-0.58 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.74 $M_{\phi r}$0.11 NP1:ϕ_s309.49000°,δ48.73000°,λ89.29000°. NP2:ϕ_s130.57000°,δ41.27000° ,λ90.81000°. Principal axes: T 1.4234,Plg86.0000°,Azm212.0000°; N 0.0490,Plg1.0000° ,Azm310.0000°; P -1.4724,Plg4.0000°,Azm40.0000° M_o1.45000×10^{17}
ISC-P Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35±.19 $M_{\theta\theta}$-0.38±.15; $M_{\phi\phi}$0.73±.19; $M_{r\theta}$-0.25±.25; $M_{\theta\phi}$0.20±.13; $M_{\phi r}$-0.06±.17; NP1:ϕ_s309.20000°,δ84.50000° ,λ148.80000°. NP2:ϕ_s42.50000°,δ59.00000°,λ6.40000°. M_o7.16000×10^{17}
TEH Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.27 $M_{\theta\theta}$-1.61 $M_{\phi\phi}$-0.66 $M_{r\theta}$-0.74 $M_{\theta\phi}$0.95 $M_{\phi r}$0.61 NP1:ϕ_s118.91000°,δ33.59000° ,λ85.09000°. NP2:ϕ_s304.80000°,δ56.55000°,λ93.26000°. Principal axes: T 2.4718,Plg78.0000°,Azm226.0000°; N -0.0805,Plg3.0000°,Azm123.0000° ; P -2.3914,Plg11.0000°,Azm32.0000° M_o2.43000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.06 $M_{\theta\theta}$-1.39 $M_{\phi\phi}$-0.66 $M_{r\theta}$-0.11 $M_{\theta\phi}$1.02 $M_{\phi r}$-0.20 NP1: ϕ_s131.57453°,δ45.76829°,λ98.98308°. NP2:ϕ_s298.80581°,δ44.94898°,λ80.88808°. Principal axes: T 2.0823,Plg83.5630°,Azm121.5793°; N 0.0290,Plg6.4237°,Azm305.2818° ; P -2.1113,Plg0.4122°,Azm215.2354° M_o2.09693×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110040239A. Moment Tensor Solution. s133,c241; s132,c275;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.56±.03 $M_{\theta\theta}$-2.31±.03; $M_{\phi\phi}$-0.24±.03; $M_{r\theta}$0.30±.04; $M_{\theta\phi}$1.36±.02; $M_{\phi r}$0.13±.04; Best double couple: NP1: ϕ_s303.00000°,δ43.00000°,λ99.00000°. NP2:ϕ_s110.00000°,δ48.00000°,λ81.00000°. Principal axes: T 2.5960,Plg83.0000°,Azm315.0000°; N 0.3990,Plg6.0000°,Azm116.0000° ; P -2.9940,Plg2.0000°,Azm206.0000° M_o2.79500×10^{17}
THR Event type se. Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0. Presumed earthquake.
BGR Event type ke.
IDC Error ellipse: s-maj=8.5km s-min=6.2km az=9.0.
OMAN Error ellipse: s-maj=2.6km s-min=1.4km az=312.0.
PDG Event type ke.
DSN Error ellipse: s-maj=10.6km s-min=4.8km az=19.0.
AFAD Event type se. Presumed earthquake.

(306) Xizang

ISC	**X**	**04 03 24 22.1–.30**	**30.39N–.03**	**94.81E–.04**	**23**	**5.8s,4.8b**	**419**	**3-86**
BGR	X	04 03 24 14.8	30.50N	96.59E	33	4.8b,4.8b		**¶621117525**
BJI	X	04 03 24 20.5	30.26N	94.92E	30	4.8b,4.5b		
GFZ	X	04 03 24 20.7–.26	30N–4.0	95E–5.0	10	5.2b,4.6b		
MOS	X	04 03 24 20.3–.92	30.29N	94.86E	27	4.9b,4.6b		
NDI	X	04 03 24 22.6–3.4	30.45N	95.10E	52–46	4.6b,4.3L		

IDC X 04 03 24 22.1–5.1 30.28N 94.83E 29–37 4.4L,4.3
NEIC X 04 03 24 23.5–1.6 30.32N–.07 94.80E–.08 35–7 4.8b,4.3
ISC Event type ke.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**X**	**04 03 54 05.6–.15**	**60.34S–.03**	**27.63W–.03**	**3**	**6.0s,5.9b**	**1273**	**8-172**
BJI	X	04 03 54 04.4	60.60S	27.65W	10	6.4s,6.4b		**¶621630031**
NEIC	X	04 03 54 06.8–1.9	60.42S–.07	27.5W–.10	10–1	6.1,6.1b		
NEIC	X	04 03 54 06.8	60.41S	27.49W	10	6.1,6.1b		
ISC-P	X	04 03 54 06	60.42S	27.52W	3–0	6.2,6.1b		
IPGP	X	04 03 54 06.0	60.42S	27.51W	9	6.2W,6.1b		
MOS	X	04 03 54 06.1–.91	60.33S	27.71W	10	6.3b,6.0s		
GFZ	X	04 03 54 07.5–.19	61S–4.0	27W–3.0	10	6.6b,6.4		
NEIC	X	04 03 54 07	60.39S	27.60W	10	6.6b,6.4		
GFZ	X	04 03 54 08.2	60.48S	27.66W	15	6.2W,6.4		
PTWC	X	04 03 54 10	60.60S	27.60W		6.4,6.4		
IDC	X	04 03 54 12.3–2.0	60.24S	27.52W	49–17	6.0s,5.6		
GCMT	X	04 03 54 12.3–.00	60.53S	27.19W	12	6.2W,5.6		
NEIC	X	04 03 54 14.9	60.51S	27.29W	14	6.2,5.6		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.7km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.30 $M_{\theta\theta}$0.97 $M_{\phi\phi}$0.33 $M_{r\theta}$0.37 $M_{\theta\phi}$-1.41 $M_{\phi r}$-0.13 NP1:ϕ_s142.25000°,δ40.49000°,λ-70.20000°. NP2:ϕ_s296.91000°,δ52.34000°,λ-106.13000°. Principal axes: T 2.1321,Plg6.0000°,Azm38.0000°; N -0.7674,Plg13.0000°,Azm307.0000°; P -1.3647,Plg76.0000°,Azm153.0000° $M_0$1.87000×10^{18}
NEIC Event type se.
ISC-P Moment Tensor Solution. s28 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.93±.12 $M_{\theta\theta}$-0.28±.15; $M_{\phi\phi}$0.05±.09; $M_{r\theta}$0.13±.07; $M_{\theta\phi}$-0.09±.20; $M_{\phi r}$0.04±.11; NP1:ϕ_s354.30000°,δ50.30000°,λ255.30000°. NP2:ϕ_s196.60000°,δ41.90000°,λ-73.00000°. $M_0$2.95000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s299.00000°,δ41.00000°,λ-111.00000°. NP2:ϕ_s146.00000°,δ52.00000°,λ-73.00000°.
MOS Error ellipse: s-maj=17.9km s-min=8.5km az=94.2.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.92 $M_{\theta\theta}$1.19 $M_{\phi\phi}$0.73 $M_{r\theta}$-0.00 $M_{\theta\phi}$-1.56 $M_{\phi r}$0.49 NP1:ϕ_s144.49742°,δ50.81601°,λ-71.21021°. NP2:ϕ_s296.19511°,δ42.79305°,λ-111.56172°. Principal axes: T 2.5651,Plg4.1360°,Azm221.2974°; N -0.5217,Plg14.4576°,Azm312.3657°; P -2.0434,Plg74.9374°,Azm115.7103° $M_0$2.34811×10^{18}
PTWC SOUTH SANDWICH ISLANDS REGION.
IDC Error ellipse: s-maj=14.9km s-min=12.1km az=55.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110040354A. Moment Tensor Solution. s158,c357; s163,c585;Duration: 3ŧ1 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.04±.01 $M_{\theta\theta}$1.35±.01; $M_{\phi\phi}$0.68±.01; $M_{r\theta}$0.43±.03; $M_{\theta\phi}$-1.94±.01; $M_{\phi r}$-0.02±.03; Best double couple: NP1:ϕ_s143.00000°,δ43.00000°,λ-71.00000°. NP2:ϕ_s298.00000°,δ50.00000°,λ-106.00000°. Principal axes: T 3.0100,Plg4.0000°,Azm40.0000°; N -0.8920,Plg12.0000°,Azm309.0000°; P -2.1210,Plg77.0000°,Azm147.0000° $M_0$2.56600×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6ŧ6 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.00 $M_{\theta\theta}$1.22 $M_{\phi\phi}$0.78 $M_{r\theta}$0.64 $M_{\theta\phi}$-1.67 $M_{\phi r}$1.05 NP1:ϕ_s284.20000°,δ49.99000°,λ-131.76000°. NP2:ϕ_s158.44000°,δ55.16000°,λ-51.58000°. Principal axes: T 2.6966,Plg3.0000°,Azm222.0000°; N 0.0309,Plg31.0000°,Azm314.0000°; P -2.7275,Plg59.0000°,Azm127.0000° $M_0$2.71000×10^{18}

(431) Prince Edward Islands region

ISC	**X**	**04 04 12 41.8–.35**	**46.99S–.06**	**33.72E–.08**	**10**	**5.0s,4.7b**	**118**	**12-162**
IDC	X	04 04 12 40.6–.68	47.03S	33.61E	0	5.0s,4.5L		**¶621117530**
GFZ	X	04 04 12 42.0	46.99S	33.72E	21	5.5W,4.5L		
GFZ	X	04 04 12 42.0–.23	47S–3.0	34E–5.0	10	6.8,6.7		
NEIC	X	04 04 12 42.1–1.6	46.96S–.07	33.7E–.10	10–1	5.1b,6.7		
GCMT	X	04 04 12 48.1–.20	47.04S–.01	33.53E–.02	22–1	5.5W,6.7		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41 $M_{\theta\theta}$1.81 $M_{\phi\phi}$-1.41 $M_{r\theta}$0.26 $M_{\theta\phi}$1.25 $M_{\phi r}$-0.49 NP1:ϕ_s294.51300°,δ78.40507°,λ-14.91233°. NP2:ϕ_s27.57689°,δ75.39882°,λ-168.01245°. Principal axes: T 2.2428,Plg2.0706°,Azm341.3765°; N -0.2241,Plg71.1914°,Azm77.4702°; P -2.0187,Plg18.6857°,Azm250.6759° $M_0$2.13954×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110040412A. Moment Tensor Solution. s31,c45; s99,c172; Duration: 1ŧ4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.09 $M_{\theta\theta}$1.41±.07; $M_{\phi\phi}$-1.30±.06; $M_{r\theta}$-0.24±.10; $M_{\theta\phi}$1.56±.05; $M_{\phi r}$-1.15±.14; Best double couple: NP1:ϕ_s289.00000°,δ61.00000°,λ-5.00000°. NP2:ϕ_s21.00000°,δ86.00000°,λ-151.00000°. Principal axes: T 2.3390,Plg17.0000°,Azm152.0000°; N 0.0730,Plg60.0000°,Azm28.0000°; P -2.4180,Plg23.0000°,Azm249.0000° $M_0$2.37900×10^{17}

(243) Taiwan region

ISC	**X**	**04 06 07 52.4–.51**	**24.76N–.01**	**122.26E–.01**	**15–3**	**4.6b,4.5s**	**504**	**0-148**
TAP	X	04 06 07 50.5	24.78N	122.25E	4–0	5.1L,4.5s		**¶621117538**
ASIES	X	04 06 07 50.5	24.77N	122.21E	5	4.7W,4.5s		
NIED	X	04 06 07 52.0	24.71N	122.23E	38	4.9W,4.5s		
NEIC	X	04 06 07 51.2–.68	24.75N–.06	122.23E–.05	10–4	4.6b,4.5s		
BJI	X	04 06 07 51.0	24.86N	122.27E	10	5.2b,5.0s		
JMA	X	04 06 07 52.0–.10	25N–1.0	122.2E–.40	38	5.0,4.6		
GFZ	X	04 06 07 53.3–.20	25N–4.0	122E–3.0	10	5.5b,5.0		
GCMT	X	04 06 07 55.2–.40	24.91N–.02	122.32E–.03	21–1	5.2W,5.0		
IDC	X	04 06 07 56.8–.63	24.70N	122.25E	54–6	4.4s,4.3		

ISC Event type ke.
TAP C.
ASIES Moment Tensor Solution. NP1:ϕ_s61.00000°,δ28.00000°,λ-142.00000°. NP2:ϕ_s296.00000°,δ73.00000°,λ-67.00000°.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.03 $M_{\theta\theta}$2.36 $M_{\phi\phi}$-0.34 $M_{r\theta}$1.33 $M_{\theta\phi}$0.32 $M_{\phi r}$-0.43 NP1:ϕ_s67.00000°,δ32.00000°,λ-116.00000°. NP2:ϕ_s277.00000°,δ62.00000°,λ-75.00000°. $M_0$2.63000×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.7km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. TAIWAN REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110040607A. Moment Tensor Solution. s18,c23; s74,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.84±.50 $M_{\theta\theta}$5.67±.32; $M_{\phi\phi}$-0.83±.29; $M_{r\theta}$2.83±.41; $M_{\theta\phi}$0.77±.17; $M_{\phi r}$-4.38±.60; Best double couple: NP1:ϕ_s59.00000°,δ39.00000°,λ-140.00000°. NP2:ϕ_s296.00000°,δ66.00000°,λ-58.00000°. Principal axes: T 6.4030,Plg15.0000°,Azm3.0000°; N 1.8150,Plg29.0000°,Azm102.0000°; P -8.2190,Plg56.0000°,Azm249.0000° $M_0$7.31100×10^{16}
IDC Error ellipse: s-maj=16.0km s-min=11.1km az=72.0.

(177) Kermadec Islands region

ISC	**X**	**04 06 34 11.9–.42**	**30.13S–.04**	**177.38W–.04**	**20–1**	**5.6b,5.5s**	**1004**	**1-172**
PTWC	X	04 06 34 07	30.30S	176.30W	46	6.0,5.5s		**¶621117514**
IDC	X	04 06 34 08.9–.37	29.88S	177.56W	0	5.3s,4.8b		
BJI	X	04 06 34 09.6	29.47S	176.80W	18	5.9b,5.5s		
GFZ	X	04 06 34 11.8–.16	30S–3.0	178W–3.0	10	6.0b,5.7		
GFZ	X	04 06 34 11.2	30.05S	177.61W	26	5.7W,5.7		
NEIC	X	04 06 34 13.9–.88	29.98S–.07	177.5W–.10	28–4	5.7b,5.5		
MOS	X	04 06 34 13.8–.83	29.94S	177.64W	38	5.6b,5.5s		
NOU	X	04 06 34 14.3	30.21S	177.24W	47	5.3b,5.5s		
NEIC	X	04 06 34 14.6	29.99S	177.52W	32	5.3b,5.5s		
IPGP	X	04 06 34 14.0	30.00S	177.51W	31	5.8W,5.5s		
GCMT	X	04 06 34 17.3–.10	30.02S–.01	177.27W–.01	33–0	5.8W,5.5s		
NEIC	X	04 06 34 17.1	30.09S	176.94W	36	5.7,5.5s		

ISC Event type se.
PTWC KERMADEC ISLANDS REGION.
IDC Error ellipse: s-maj=15.9km s-min=14.8km az=116.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.01 $M_{\theta\theta}$0.13 $M_{\phi\phi}$-3.14 $M_{r\theta}$0.21 $M_{\theta\phi}$-0.88 $M_{\phi r}$3.63 NP1:ϕ_s204.12552°,δ21.42129°,λ107.27520°. NP2:ϕ_s5.65270°,δ69.58929°,λ83.35470°. Principal axes: T 4.6998,Plg64.8046°,Azm264.5705°; N 0.2780,Plg6.2264°,Azm7.9794°; P -4.9778,Plg24.3091°,Azm100.8042° $M_0$4.84477×10^{17}
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.1km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.7km s-min=8.1km az=79.4.
NOU Kermadec Islands, New Zealand.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s225.00000°,δ23.00000°,λ113.00000°. NP2:ϕ_s20.00000°,δ69.00000°,λ80.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110040634A. Moment Tensor Solution. s145,c294; s151,c299;Duration: 1ŧ9 Moment tensor: Scale 10^{17}Nm; M_{rr}4.42±.06 $M_{\theta\theta}$-0.26±.04; $M_{\phi\phi}$-4.16±.04; $M_{r\theta}$0.52±.07; $M_{\theta\phi}$-1.06±.03; $M_{\phi r}$3.52±.07; Best double couple: NP1:ϕ_s198.00000°,δ26.00000°,λ97.00000°. NP2:ϕ_s11.00000°,δ64.00000°,λ87.00000°. Principal axes: T 5.6820,Plg70.0000°,Azm274.0000°; N -0.0110,Plg3.0000°,Azm12.0000°; P -5.6740,Plg19.0000°,Azm103.0000° $M_0$5.67800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3ŧ6 Moment tensor: Scale 10^{17}Nm; M_{rr}4.12 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$-3.72 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.90 $M_{\phi r}$2.62 NP1:ϕ_s198.51000°,δ28.75000°,λ97.95000°. NP2:ϕ_s9.46000°,δ61.55000°,λ85.66000°. Principal axes: T 4.9148,Plg73.0000°,Azm269.0000°; N -0.2022,Plg4.0000°,Azm12.0000°; P -4.7126,Plg16.0000°,Azm103.0000° $M_0$4.82000×10^{17}

(135) Near coast of central Chile

ISC	**X**	**04 12 36 16.9–.34**	**31.65S–.02**	**72.05W–.04**	**20–3**	**4.9b,4.2s**	**433**	**1-174**
SJA	X	04 12 36 10.7–.64	31.65S	72.50W	12	5.1L,4.7W		**¶621118319**
IDC	X	04 12 36 14.0–.48	31.66S	71.94W	0	4.7b,4.7		
VAO	X	04 12 36 14.9–.38	31.58S	72.07W	10	4.9b,4.7		
NEIC	X	04 12 36 15.5	31.69S	72.09W	10	4.9b,4.7		
NEIC	X	04 12 36 16.4–1.0	31.69S–.04	72.11W–.06	16–3	5.0b,4.9		
GUC	X	04 12 36 17.3–.77	31.69S	71.98W	40–6	4.9L,4.9		
GFZ	X	04 12 36 19.3	31.69S	71.87W	30	4.8W,4.9		
GFZ	X	04 12 36 19.3–.14	32S–2.0	72W–3.0	30	5.6b,5.3L		
GCMT	X	04 12 36 21.2–.40	31.72S–.02	72.15W–.03	30–1	5.1W,5.3L		

ISC Event type se.
SJA Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.97 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.12 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.42 NP1:ϕ_s5.84000°,δ34.29000°,λ101.62000°. NP2:ϕ_s171.86000°,δ56.51000°,λ82.18000°. Principal axes: T 1.0621,Plg77.0000°,Azm57.0000°; N 0.1312,Plg7.0000°,Azm176.0000°; P -1.1933,Plg11.0000°,Azm267.0000° $M_0$1.13000×10^{16}
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.37 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-1.82 $M_{r\theta}$0.27 $M_{\theta\phi}$0.01 $M_{\phi r}$-1.15 NP1:ϕ_s169.95085°,δ63.63903°,λ79.23220°. NP2:ϕ_s13.13652°,δ28.32894°,λ110.65694°. Principal axes: T 1.7842,Plg69.4547°,Azm57.8379°; N 0.4119,Plg9.6368°,Azm174.7777°; P -2.1961,Plg17.9658°,Azm267.9339° $M_0$2.02185×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110041236A. Moment Tensor Solution. s28,c30; s61,c77; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.37±.28 $M_{\theta\theta}$-0.56±.15; $M_{\phi\phi}$-3.81±.18; $M_{r\theta}$0.38±.19; $M_{\theta\phi}$0.85±.09; $M_{\phi r}$-2.33±.23; Best double couple: NP1:ϕ_s344.00000°,δ30.00000°,λ87.00000°. NP2:ϕ_s168.00000°,δ60.00000°,λ92.00000°. Principal axes: T 4.9910,Plg75.0000°,Azm84.0000°; N -0.3550,Plg2.0000°,Azm347.0000°; P -4.6370,Plg15.0000°,Azm257.0000° $M_0$4.81400×10^{16}

(272) Seram

ISC	**X**	**04 14 28 45.2–.38**	**3.66S–.03**	**129.61E–.03**	**26–2**	**5.2b,4.3s**	**683**	**0-157**
BJI	X	04 14 28 39.3	4.33S	129.85E	33	5.3b,5.0b		**¶621118321**
MOS	X	04 14 28 43.4–.79	3.73S	129.58E	27	5.5b,5.0b		
GFZ	X	04 14 28 44.3	3.59S	129.68E	25	5.2W,5.0b		
NEIC	X	04 14 28 45.5	3.66S	129.57E	22	5.2W,5.0b		
NEIC	X	04 14 28 45.4–1.3	3.66S–.05	129.57E–.06	22–4	5.2b,5.0b		
NEIC	X	04 14 28 45.9	3.66S	129.77E	26	5.1,5.0b		
DJA	X	04 14 28 45.3–.20	4S–1.0	130E–1.0	15–2	5.7b,5.5b		
GFZ	X	04 14 28 46.9–.24	4S–2.0	130E–2.0	34–2	5.6b,5.3L		
IDC	X	04 14 28 47.5–1.3	3.68S	129.70E	44–11	5.1L,4.9		
GCMT	X	04 14 28 48.6–.10	3.58S–.01	129.61E–.01	24–0	5.3W,4.9		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.68 $M_{\theta\theta}$-3.33 $M_{\phi\phi}$5.01 $M_{r\theta}$-0.16 $M_{\theta\phi}$5.55 $M_{\phi r}$1.60 NP1:ϕ_s162.03615°,δ88.03882°,λ-166.55952°. NP2:ϕ_s71.56756°,δ76.56754°,λ-2.01636°. Principal axes: T 7.9740,Plg8.0514°,Azm296.0305°; N -1.7092,Plg76.4198°,Azm170.1856°; P -6.2648,Plg10.8629°,Azm27.5860° $M_0$7.27164×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŧ9 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.14 $M_{\theta\theta}$-3.45 $M_{\phi\phi}$5.58 $M_{r\theta}$-0.90 $M_{\theta\phi}$4.29 $M_{\phi r}$-0.22 NP1:ϕ_s157.31000°,δ78.22000°,λ-172.77000°. NP2:ϕ_s65.83000°,δ82.92000°,λ-11.87000°. Principal axes: T 7.3240,Plg3.0000°,Azm112.0000°; N -1.9864,Plg76.0000°,Azm215.0000°; P -5.3376,Plg13.0000°,Azm21.0000° $M_0$6.56000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110041428A. Moment Tensor Solution. s99,c155; s130,c228;Duration: 1ŧ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.02 $M_{\theta\theta}$-0.61±.01; $M_{\phi\phi}$0.73±.02; $M_{r\theta}$-0.02±.02; $M_{\theta\phi}$0.69±.01; $M_{\phi r}$0.10±.02; Best double couple: NP1:ϕ_s68.00000°,δ84.00000°,λ0.00000°. NP2:ϕ_s338.00000°,δ90.00000°,λ174.00000°. Principal axes: T 1.0260,Plg4.0000°,Azm293.0000°; N -0.1230,Plg84.0000°,Azm157.0000°; P -0.9030,Plg4.0000°,Azm23.0000° $M_0$0.96500×10^{17}

(202) New Guinea

ISC	**X**	**04 19 06 39.3–.34**	**5.53S–.04**	**142.33E–.05**	**35**	**4.9b,3.6s**	**222**	**2-147**
IDC	X	04 19 06 33.8–.66	5.42S	142.60E	0	4.4b,4.4		**¶621118416**
BJI	X	04 19 06 37.5	5.39S	142.64E	44	5.1b,4.7b		
NEIC	X	04 19 06 40.5–2.1	5.50S–.08	142.24E–.05	49–5	4.9b,4.7b		
GFZ	X	04 19 06 41.8–.59	5S–4.0	142E–5.0	46–6	5.5b,5.0		
DJA	X	04 19 06 42.1–.30	5S–3.0	142E–2.0	127–4	5.3b,4.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(718) Hindu Kush region

ISC	**X**	**05 07 59 58.8–.36**	**36.82N–.03**	**66.79E–.02**	**24–2**	**5.1b,4.5s**	**850**	**3-147**
NNC	X	05 07 59 48.0–1.9	36.27N	66.42E	0	5.8b,5.4		**¶621120450**
NEIC	X	05 07 59 57.3–2.1	36.84N–.05	66.65E–.08	10–1	5.2b,5.1		
MOS	X	05 07 59 57.6–1.1	36.87N	66.80E	26	5.2b,4.4s		
BJI	X	05 07 59 58.7	36.93N	67.28E	10	5.3b,5.1b		
IDC	X	05 07 59 59.6–3.5	36.73N	66.76E	32–26	4.8L,4.8		
GFZ	X	05 08 00 01.6–.23	37N–2.0	67E–2.0	43–2	6.1L,5.8b		
GCMT	X	05 08 00 02.1–.10	36.84N–.01	66.63E–.01	33–0	5.3W,5.8b		

ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MOS Event type fe. Felt (III-IV) at Dzharkurgan; (III) at Dushanbe, Karshi; (II-III) at Bukhara, Samarkand; (II) at Navoi, Tashkent. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110050759A. Moment Tensor Solution. s92,c128; s125,c240;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.02 $M_{\theta\theta}$-1.02±.02; $M_{\phi\phi}$1.02±.01; $M_{r\theta}$0.31±.03; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$-0.23±.03; Best double couple: NP1: ϕ_s220.00000°,δ70.00000°,λ-1.00000°. NP2:ϕ_s310.00000°,δ89.00000°,λ-160.00000°. Principal axes: T 1.0950,Plg13.0000°,Azm83.0000°; N 0.0140,Plg70.0000°,Azm313.0000° ; P -1.1140,Plg15.0000°,Azm177.0000° $M_0$1.10500×10^{17}

(246) Southwestern Ryukyu Islands

ISC	**X**	**05 17 30 28.3–.36**	**25.65N–.02**	**125.11E–.03**	**13–2**	**5.5b,5.2s**	**1119**	**1-176**
BJI	X	05 17 30 25.7	25.51N	125.15E	14	5.6s,5.6L		**¶621125913**
IDC	X	05 17 30 26.0–.41	25.70N	124.98E	0	4.9b,4.9		
MOS	X	05 17 30 25.8–1.1	25.64N	124.98E	10	5.6b,5.2s		
BGR	X	05 17 30 26.4	25.04N	126.13E	33	5.3b,5.2s		
NEIC	X	05 17 30 27.2	25.72N	125.02E	8	5.3b,5.2s		
NEIC	X	05 17 30 27.2–1.8	25.72N–.07	125.02E–.05	8–3	5.6b,5.2		
NEIC	X	05 17 30 27.6	25.74N	125.04E	9	5.6b,5.2		
NIED	X	05 17 30 27.4	25.72N	124.99E	24	5.2W,5.2		
JMA	X	05 17 30 27.4–.23	25.7N–.80	125.0E–.90	24	5.5,5.3W		
GFZ	X	05 17 30 28.6	25.76N	125.05E	10	5.3W,5.3W		
GFZ	X	05 17 30 29.5–.22	26N–3.0	125E–3.0	10	5.7b,5.3		
GCMT	X	05 17 30 29.6–.10	25.61N–.01	124.89E–.01	12	5.3W,5.3		
KEA	X	05 17 30 35.8	25.78N	125.00E	33	5.0s,5.3		
NEIC	X	05 17 30 38.4	25.74N	125.04E	12	5.4,5.3		

ISC Event type ke.
IDC Error ellipse: s-maj=10.6km s-min=10.1km az=35.0.
MOS Error ellipse: s-maj=6.1km s-min=3.8km az=112.9.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.3km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.55 $M_{\theta\theta}$3.57 $M_{\phi\phi}$0.98 $M_{r\theta}$-2.50 $M_{\theta\phi}$6.10 $M_{\phi r}$-3.35 NP1:ϕ_s259.57000°,δ35.32000°,λ-47.50000°. NP2:ϕ_s31.24000°,δ64.77000° ,λ-115.58000°. Principal axes: T 9.6706,Plg16.0000°,Azm140.0000°; N -3.5191,Plg23.0000° ,Azm43.0000°; P -6.1514,Plg61.0000°,Azm262.0000° $M_0$8.48000×10^{16}
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.16 $M_{\theta\theta}$5.56 $M_{\phi\phi}$1.60 $M_{r\theta}$-0.97 $M_{\theta\phi}$4.30 $M_{\phi r}$-1.65 NP1:ϕ_s245.00000°,δ39.00000°,λ-78.00000°. NP2:ϕ_s50.00000° ,δ52.00000°,λ-100.00000°. $M_0$7.98000×10^{16}
JMA Event type fe. NW OFF MIYAKOJIMA ISLAND.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.56 $M_{\theta\theta}$6.70 $M_{\phi\phi}$1.85 $M_{r\theta}$-0.35 $M_{\theta\phi}$5.56 $M_{\phi r}$-1.11 NP1: ϕ_s50.86512°,δ48.03995°,λ-98.14243°. NP2:ϕ_s242.94371°,δ42.59849°,λ-81.04823°. Principal axes: T 10.3882,Plg2.7359°,Azm146.6195°; N -1.7122,Plg6.0457°,Azm56.3296° ; P -8.6760,Plg83.3599°,Azm260.8550° $M_0$9.64676×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110051730A. Moment Tensor Solution. s100,c177; s121,c241;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.03±.02 $M_{\theta\theta}$0.94±.02; $M_{\phi\phi}$0.09±.02; $M_{r\theta}$0.34±.05; $M_{\theta\phi}$0.75±.02; $M_{\phi r}$0.49±.05; Best double couple: NP1:ϕ_s77.00000° ,δ35.00000°,λ-63.00000°. NP2:ϕ_s225.00000°,δ59.00000°,λ-108.00000°. Principal axes: T 1.4950,Plg12.0000°,Azm328.0000°; N -0.2780,Plg15.0000°,Azm235.0000° ; P -1.2140,Plg71.0000°,Azm96.0000° $M_0$1.35400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.91 $M_{\theta\theta}$0.88 $M_{\phi\phi}$0.03 $M_{r\theta}$0.52 $M_{\theta\phi}$0.81 $M_{\phi r}$-0.23 NP1:ϕ_s30.40000°,δ45.21000° ,λ-135.30000°. NP2:ϕ_s265.52000°,δ60.05000°,λ-54.40000°. Principal axes: T 1.4178,Plg8.0000°,Azm331.0000°; N -0.1818,Plg30.0000°,Azm66.0000° ; P -1.2360,Plg58.0000°,Azm227.0000° $M_0$1.34000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**X**	**05 17 46 02.7–.19**	**40.02N–.02**	**142.21E–.02**	**57–1**	**5.8b,5.2s**	**2381**	**0-165**
BJI	X	05 17 45 58.4	40.02N	142.53E	50	5.8b,5.5b		**¶621125918**
MOS	X	05 17 46 00.6–.85	40.04N	142.26E	51	6.1b,5.3s		
BGR	X	05 17 46 02.1	39.74N	141.51E	33	5.7b,5.4s		
JMA	X	05 17 46 02.3–.10	40.0N–.30	142.3E–.30	56–0	5.9,5.7W		
GFZ	X	05 17 46 02.7	39.96N	142.26E	52	5.7W,5.7W		
GFZ	X	05 17 46 02.7–.25	40N–1.0	142E–2.0	51–2	6.1b,6.0L		
NIED	X	05 17 46 02.3	40.01N	142.26E	56	5.7W,6.0L		
NEIC	X	05 17 46 03.0–1.9	40.05N–.05	142.14E–.08	55–1	5.8b,5.7		
NEIC	X	05 17 46 02.1	40.08N	142.25E	45	5.8b,5.7		
ISC-P	X	05 17 46 02	40.05N	142.14E	68–0	5.9,5.7		
NEIC	X	05 17 46 03.6	40.08N	142.21E	60	5.9,5.7		
IDC	X	05 17 46 03.3–.90	40.00N	142.18E	60–7	5.6,5.3b		
GCMT	X	05 17 46 04.2–.10	39.98N–.01	142.19E–.01	48–0	5.7W,5.3b		
NEIC	X	05 17 46 08.9	39.98N	142.47E	46	5.7,5.3b		

ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=5.2km s-min=3.8km az=103.1. Felt (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
BGR Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.14 $M_{\theta\theta}$-2.99 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.78 $M_{\theta\phi}$-1.96 $M_{\phi r}$-0.13 NP1: ϕ_s64.76999°,δ49.46605°,λ99.46278°. NP2:ϕ_s230.38576°,δ41.43741°,λ79.11683°. Principal axes: T 4.2521,Plg81.7498°,Azm28.8802°; N 0.0254,Plg7.1780°,Azm238.5877° ; P -4.2774,Plg4.0459°,Azm148.0773° $M_0$4.26480×10^{17}
GFZ Error ellipse: s-maj=4.2km s-min=2.9km az=104.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}3.24 $M_{\theta\theta}$-2.72 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.26 $M_{\theta\phi}$-1.89 $M_{\phi r}$-1.34 NP1:ϕ_s78.00000°,δ41.00000°,λ118.00000°. NP2:ϕ_s223.00000° ,δ55.00000°,λ68.00000°. $M_0$3.81000×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.3km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.34 $M_{\theta\theta}$-3.24 $M_{\phi\phi}$-1.10 $M_{r\theta}$0.20 $M_{\theta\phi}$-2.32 $M_{\phi r}$-2.17 NP1:ϕ_s216.57000°,δ55.20000°,λ63.76000°. NP2:ϕ_s77.38000°,δ42.56000° ,λ122.46000°. Principal axes: T 5.2171,Plg68.0000°,Azm72.0000°; N -0.3758,Plg21.0000° ,Azm232.0000°; P -4.8414,Plg7.0000°,Azm325.0000° $M_0$5.04000×10^{17}
NEIC Event type se.
ISC-P Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.13 $M_{\theta\theta}$-0.06±.14; $M_{\phi\phi}$-0.59±.14; $M_{r\theta}$0.21±.13; $M_{\theta\phi}$-0.13±.26; $M_{\phi r}$-0.13±.15; NP1:ϕ_s177.10000°,δ50.90000° ,λ69.20000°. NP2:ϕ_s28.10000°,δ43.50000°,λ113.60000°. $M_0$7.67000×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=7.7km s-min=6.4km az=96.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110051746A. Moment Tensor Solution. s128,c270; s156,c325;Duration: 1ŝ8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.04±.06 $M_{\theta\theta}$-3.34±.04; $M_{\phi\phi}$-0.70±.05; $M_{r\theta}$-0.33±.04; $M_{\theta\phi}$-2.34±.03; $M_{\phi r}$-2.08±.04; Best double couple: NP1: ϕ_s80.00000°,δ40.00000°,λ123.00000°. NP2:ϕ_s220.00000°,δ57.00000°,λ65.00000°. Principal axes: T 4.8600,Plg68.0000°,Azm79.0000°; N 0.0560,Plg20.0000°,Azm234.0000° ; P -4.9160,Plg9.0000°,Azm327.0000° $M_0$4.88800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}4.02 $M_{\theta\theta}$-2.91 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.10 $M_{\theta\phi}$-1.91 $M_{\phi r}$-1.89 NP1:ϕ_s75.57000°,δ41.61000° ,λ119.58000°. NP2:ϕ_s218.37000°,δ54.72000°,λ66.32000°. Principal axes: T 4.7043,Plg70.0000°,Azm74.0000°; N -0.4747,Plg19.0000°,Azm233.0000° ; P -4.2297,Plg7.0000°,Azm325.0000° $M_0$4.49000×10^{17}

(246) Southwestern Ryukyu Islands

ISC	**X**	**05 18 03 43.8–.59**	**25.59N–.03**	**125.16E–.03**	**19–2**	**5.2b,4.6s**	**824**	**1-165**
BJI	X	05 18 03 38.8	25.34N	125.23E	5	5.5b,5.3s		**¶621125922**
MOS	X	05 18 03 41.5–.98	25.63N	124.99E	13	5.3b,5.3s		
NEIC	X	05 18 03 42.8	25.63N	125.04E	10	5.3b,5.3s		
NEIC	X	05 18 03 42.4	25.63N	125.07E	10	5.3b,5.3s		
NEIC	X	05 18 03 42.4–1.5	25.62N–.06	125.08E–.05	10–1	5.4b,5.0		
JMA	X	05 18 03 43.3–.28	26N–1.0	125E–1.0	29	5.4,5.2W		
GFZ	X	05 18 03 43.4	25.71N	125.15E	10	5.1W,5.2W		
GFZ	X	05 18 03 43.4–.14	26N–2.0	125E–3.0	10	5.7b,5.3		
NIED	X	05 18 03 43.3	25.70N	124.98E	29	5.0W,5.3		
GCMT	X	05 18 03 46.0–.20	25.59N–.01	124.95E–.02	15–0	5.2W,5.3		
IDC	X	05 18 03 48.1–2.1	25.70N	125.02E	49–20	4.6,4.4b		
BGR	X	05 18 03 51.5	25.73N	123.50E	33	5.2b,4.4b		
NEIC	X	05 18 03 51.8	25.53N	124.93E	12	5.1,4.4b		

ISC Event type ke.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=115.6.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.8km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.55 $M_{\theta\theta}$2.67 $M_{\phi\phi}$0.88 $M_{r\theta}$-1.38 $M_{\theta\phi}$0.99 $M_{\phi r}$-1.12 NP1:ϕ_s59.59000°,δ58.94000°,λ-96.00000°. NP2:ϕ_s251.10000°,δ31.58000° ,λ-80.16000°. Principal axes: T 3.5259,Plg14.0000°,Azm154.0000°; N 0.4887,Plg5.0000° ,Azm63.0000°; P -4.0146,Plg75.0000°,Azm313.0000° $M_0$3.79000×10^{16}
JMA Event type fe. NW OFF MIYAKOJIMA ISLAND.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.94 $M_{\theta\theta}$3.80 $M_{\phi\phi}$1.15 $M_{r\theta}$1.12 $M_{\theta\phi}$2.14 $M_{\phi r}$0.18 NP1: ϕ_s56.50224°,δ39.08929°,λ-96.81200°. NP2:ϕ_s245.25167°,δ51.23853°,λ-84.49617°. Principal axes: T 5.0996,Plg6.0920°,Azm331.3408°; N -0.0122,Plg4.2891°,Azm61.7994° ; P -5.0875,Plg82.5402°,Azm186.7433° $M_0$5.09356×10^{16}
GFZ Error ellipse: s-maj=5.8km s-min=4.5km az=83.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.13 $M_{\theta\theta}$3.19 $M_{\phi\phi}$0.94 $M_{r\theta}$0.02 $M_{\theta\phi}$1.62 $M_{\phi r}$-0.76 NP1:ϕ_s251.00000°,δ43.00000°,λ-77.00000°. NP2:ϕ_s54.00000° ,δ48.00000°,λ-102.00000°. $M_0$4.15000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110051803A. Moment Tensor Solution. s52,c79; s126,c223; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.89±.26 $M_{\theta\theta}$5.51±.17; $M_{\phi\phi}$1.38±.15; $M_{r\theta}$0.04±.29; $M_{\theta\phi}$2.74±.09; $M_{\phi r}$0.08±.34; Best double couple: NP1:ϕ_s64.00000°,δ45.00000° ,λ-89.00000°. NP2:ϕ_s243.00000°,δ45.00000°,λ-91.00000°. Principal axes: T 6.8760,Plg0.0000°,Azm333.0000°; N 0.0140,Plg0.0000°,Azm243.0000° ; P -6.8910,Plg89.0000°,Azm94.0000° $M_0$6.88400×10^{16}
IDC Error ellipse: s-maj=16.0km s-min=11.2km az=65.0.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ9 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.57 $M_{\theta\theta}$4.68 $M_{\phi\phi}$0.89 $M_{r\theta}$-1.53 $M_{\theta\phi}$2.55 $M_{\phi r}$-2.09 NP1:ϕ_s254.75000°,δ35.17000° ,λ-71.29000°. NP2:ϕ_s52.25000°,δ56.94000°,λ-102.73000°. Principal axes: T 6.4167,Plg11.0000°,Azm151.0000°; N -0.1659,Plg11.0000°,Azm59.0000° ; P -6.2508,Plg75.0000°,Azm286.0000° $M_0$6.34000×10^{16}

(306) Xizang

ISC	**X**	**05 23 27 57.6–.36**	**30.30N–.04**	**94.81E–.05**	**23**	**4.5b**	**180**	**3-149**
IDC	X	05 23 27 53.8–.70	30.31N	94.79E	0	4.1b,4.1		**¶621126136**
BJI	X	05 23 27 54.4	30.36N	94.88E	10	4.6b,4.3b		
GFZ	X	05 23 27 56.1–.19	30N–3.0	95E–3.0	10	5.9b,5.5		
MOS	X	05 23 27 56.0–1.2	30.34N	94.88E	27	4.6b,5.5		
NEIC	X	05 23 27 58.8–1.8	30.37N–.09	94.8E–.10	31–4	4.4b,5.5		
NDI	X	05 23 27 59.0–1.1	30.46N	94.95E	33–33	3.5L,5.5		

ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=13.2km az=59.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=10.9km s-min=5.0km az=116.1.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.6km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=21.2km s-min=28.2km az=-1.0. Presumed earthquake.

(221) Kuril Islands

ISC	**X**	**06 02 55 30.0–.99**	**43.15N–.06**	**146.85E–.05**	**58–7**	**4.3b**	**138**	**1-83**
MOS	X	06 02 55 25.6–1.1	42.83N	146.99E	55	4.6b		**¶621126146**
IDC	X	06 02 55 28.6–.76	44.50N	146.85E	0	4.2L,4.1b		
NIED	X	06 02 55 30.9	43.15N	146.72E	66	3.9W,4.1b		
SKHL	X	06 02 55 30.8–.60	43.20N	146.90E	77–4	5.5b,4.1b		
JMA	X	06 02 55 30.9–.16	43.2N–.50	147E–1.0	66–1	4.1,4.1b		
NEIC	X	06 02 55 31.5–1.3	43.15N–.10	146.7E–.10	71–7	4.5b,4.1b		

ISC Event type ke.
MOS Event type fe. Felt (III) at Malokuril'skoye, Yuzhno-Kuril'sk. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.66 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$-2.09 $M_{r\theta}$5.72 $M_{\theta\phi}$-1.84 $M_{\phi r}$3.33 NP1:ϕ_s207.00000°,δ16.00000°,λ61.00000°. NP2:ϕ_s57.00000° ,δ76.00000°,λ98.00000°. $M_0$7.57000×10^{14}
JMA Event type ke. OFF NEMURO PENINSULA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(235) Kyushu

ISC	**X**	**06 08 12 55.5–.27**	**31.27N–.02**	**131.41E–.03**	**43–2**	**5.5b,4.9s**	**1556**	**0-164**
BJI	X	06 08 12 50.8	31.04N	131.64E	40	5.5b,5.2b		**¶621126162**
MOS	X	06 08 12 51.6–.98	31.28N	131.28E	24	5.8b,5.3s		
NEIC	X	06 08 12 53.6–2.9	31.20N–.05	131.49E–.05	24–3	5.6b,5.3		
KEA	X	06 08 12 54.5	31.32N	131.49E	33	5.0s,5.3		
JMA	X	06 08 12 55.4–.11	31.3N–.30	131.5E–.60	43–0	5.5W,5.4		
NEIC	X	06 08 12 55	31.20N	131.48E	35	5.5W,5.4		
IDC	X	06 08 12 55.2–.42	31.32N	131.23E	40–3	5.3,5.1b		
NEIC	X	06 08 12 55	31.26N	131.47E	35	5.3,5.1b		
NIED	X	06 08 12 55.4	31.25N	131.48E	43	5.5W,5.1b		
GFZ	X	06 08 12 55.6–.12	31N–1.0	131E–2.0	40–0	5.9b,5.6L		
GFZ	X	06 08 12 55.6	31.28N	131.32E	40	5.4W,5.6L		
IPGP	X	06 08 12 56.0	31.23N	131.42E	50	5.5W,5.6L		
BGR	X	06 08 12 56.2	32.17N	132.35E	45–2	5.5b,5.5s		
GCMT	X	06 08 12 57.8–.10	31.24N–.01	131.42E–.01	31–0	5.5W,5.5s		
NEIC	X	06 08 13 05.9	31.20N	131.48E	36	5.4,5.5s		

ISC Event type ke.
MOS Error ellipse: s-maj=5.5km s-min=3.4km az=107.3.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.8km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.28 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$0.66 $M_{r\theta}$0.34 $M_{\theta\phi}$0.67 $M_{\phi r}$0.19 NP1:ϕ_s333.89000°,δ66.93000°,λ170.91000°. NP2:ϕ_s67.48000°,δ81.64000° ,λ23.33000°. Principal axes: T 1.0248,Plg22.0000°,Azm293.0000°; N 0.2006,Plg65.0000° ,Azm86.0000°; P -1.2253,Plg10.0000°,Azm199.0000° $M_0$1.14000×10^{17}
JMA Event type fe. SE OFF OSUMI PEN .
NEIC Event type se.
IDC Error ellipse: s-maj=10.5km s-min=6.7km az=82.0.
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22 $M_{\theta\theta}$-1.69 $M_{\phi\phi}$1.47 $M_{r\theta}$0.65 $M_{\theta\phi}$0.60 $M_{\phi r}$0.58 NP1:ϕ_s324.00000°,δ63.00000°,λ173.00000°. NP2:ϕ_s57.00000° ,δ84.00000°,λ28.00000°. $M_0$1.91000×10^{17}
GFZ Error ellipse: s-maj=3.7km s-min=3.1km az=105.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.08 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$1.32 $M_{r\theta}$-0.36 $M_{\theta\phi}$0.54 $M_{\phi r}$-0.33 NP1: ϕ_s145.26418°,δ71.61907°,λ176.34463°. NP2:ϕ_s236.41824°,δ86.53136°,λ18.41588°. Principal axes: T 1.5297,Plg15.4119°,Azm102.3177°; N 0.0276,Plg71.2714°,Azm246.7170° ; P -1.5573,Plg10.3810°,Azm9.4230° $M_0$1.54372×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s51.00000°,δ86.00000°,λ19.00000°. NP2:ϕ_s319.00000° ,δ71.00000°,λ175.00000°.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110060812A. Moment Tensor Solution. s121,c220; s143,c293;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.09±.02 $M_{\theta\theta}$-1.79±.02; $M_{\phi\phi}$1.70±.02; $M_{r\theta}$0.89±.04; $M_{\theta\phi}$0.37±.02; $M_{\phi r}$1.10±.04; Best double couple: NP1:ϕ_s318.00000° ,δ53.00000°,λ175.00000°. NP2:ϕ_s51.00000°,δ86.00000°,λ37.00000°. Principal axes: T 2.3900,Plg29.0000°,Azm282.0000°; N -0.2500,Plg52.0000°,Azm57.0000° ; P -2.1430,Plg22.0000°,Azm179.0000° $M_0$2.26700×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27 $M_{\theta\theta}$-1.53 $M_{\phi\phi}$1.80 $M_{r\theta}$0.23 $M_{\theta\phi}$0.54 $M_{\phi r}$0.49 NP1:ϕ_s323.23000°,δ76.27000° ,λ175.48000°. NP2:ϕ_s54.31000°,δ85.61000°,λ13.77000°. Principal axes: T 2.0038,Plg13.0000°,Azm280.0000°; N -0.3697,Plg76.0000°,Azm72.0000° ; P -1.6341,Plg7.0000°,Azm188.0000° $M_0$1.85000×10^{17}

(169) Samoa Islands region

ISC	**X**	**06 15 54 20.0–.20**	**15.47S–.04**	**173.21W–.04**	**35**	**5.4b,4.6s**	**1017**	**2-175**
IDC	X	06 15 54 15.3–.38	15.37S	173.39W	0	5.2L,5.2b		**¶621630039**
MOS	X	06 15 54 19.2–1.1	15.36S	173.47W	33	5.6b,5.2b		
BJI	X	06 15 54 19.4	15.08S	172.91W	42	5.5b,5.2b		
GFZ	X	06 15 54 20.7–.48	15S–3.0	173W–3.0	37–3	5.8b,5.7		
NEIC	X	06 15 54 20.6–1.8	15.42S–.08	173.27W–.07	35–1	5.4,5.4b		
GCMT	X	06 15 54 26.3–.10	15.28S–.01	173.14W–.01	61–1	5.4W,5.4b		
NOU	X	06 15 54 28.3	15.49S	173.49W	110	5.3b,5.4b		

ISC Event type se.

IDC Error ellipse: s-maj=16.2km s-min=12.2km az=134.0.

MOS Error ellipse: s-maj=8.2km s-min=7.3km az=86.3.

GFZ Error ellipse: s-maj=6.9km s-min=5.3km az=143.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.4km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110061554A. Moment Tensor Solution. s127,c235; s148,c285;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.55±.02 $M_{\theta\theta}$-0.43±.02; $M_{\phi\phi}$-0.11±.02; $M_{r\theta}$-1.15±.01; $M_{\theta\phi}$0.35±.01; $M_{\phi r}$0.55±.01; Best double couple: NP1: ϕ_s132.00000°,δ13.00000°,λ106.00000°. NP2:ϕ_s296.00000°,δ77.00000°,λ86.00000°. Principal axes: T 1.3610,Plg57.0000°,Azm201.0000°; N 0.1000,Plg4.0000°,Azm297.0000° ; P -1.4610,Plg32.0000°,Azm29.0000° $M_0$1.41100×10^{17}

NOU Tonga Islands.

(710) Pakistan

ISC	**X**	**06 22 01 09.1–.34**	**30.18N–.03**	**68.03E–.02**	**15–1**	**6.1s,5.7b**	**2497**	**4-158**
NEIC	X	06 22 01 06.6	29.99N	67.98E	10	6.0,5.7b		**¶621126624**
IDC	X	06 22 01 06.7–.39	30.14N	67.99E	0	5.8s,5.6L		
ISC-P	X	06 22 01 08	30.19N	68.00E	14–0	6.1,5.6L		
NEIC	X	06 22 01 08.9–1.1	30.19N–.07	68.00E–.09	9–1	6.1,5.9		
GFZ	X	06 22 01 08.3–.06	30N–1.0	68E–1.0	10	6.3b,6.0		
NEIC	X	06 22 01 08.8	30.22N	68.01E	10	6.3b,6.0		
NEIC	X	06 22 01 08.8	30.22N	68.01E	10	6.3b,6.0		
NEIC	X	06 22 01 08.7	30.22N	68.02E	9	6.3b,6.0		
BJI	X	06 22 01 08.5	30.41N	68.13E	10	6.2s,6.0b		
MOS	X	06 22 01 08.0–1.1	30.28N	68.08E	15	6.0s,5.9b		
GFZ	X	06 22 01 08.3	30.13N	68.04E	13	5.9W,5.9b		
NEIC	X	06 22 01 09	30.12N	67.78E	18	5.9,5.9b		
IPGP	X	06 22 01 10.0	30.22N	68.01E	9	6.1W,5.9b		
GCMT	X	06 22 01 11.1–.10	29.94N	67.98E	13–0	6.0W,5.9b		
BGR	X	06 22 01 11.4	29.76N	67.59E	33	6.5,5.7b		
PTWC	X	06 22 01 12	30.20N	67.90E		6.1,5.7b		

ISC Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 5s4 Moment tensor: Scale 10^{18}Nm; M_{rr}0.32 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$0.17 $M_{r\theta}$0.89 $M_{\theta\phi}$0.03 $M_{\phi r}$0.66 NP1:ϕ_s56.70000°,δ82.52000°,λ74.60000°. NP2:ϕ_s301.41000°,δ17.08000°,λ153.70000°. Principal axes: T 1.2140,Plg50.0000° ,Azm310.0000°; N -0.0618,Plg15.0000°,Azm59.0000°; P -1.1522,Plg36.0000° ,Azm160.0000° $M_0$1.18000×10^{18}

IDC Error ellipse: s-maj=9.2km s-min=8.9km az=17.0.

ISC-P Moment Tensor Solution. s53 Moment tensor: Scale 10^{18}Nm; M_{rr}0.30±.10 $M_{\theta\theta}$-0.41±.11; $M_{\phi\phi}$0.10±.17; $M_{r\theta}$0.59±.12; $M_{\theta\phi}$0.13±.09; $M_{\phi r}$0.06±.11; NP1:ϕ_s78.90000°,δ75.40000° ,λ77.90000°. NP2:ϕ_s299.20000°,δ18.90000°,λ128.70000°. $M_0$2.02000×10^{18}

NEIC Event type se. Error ellipse: s-maj=13.0km s-min=12.5km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.07 $M_{\theta\theta}$-3.09 $M_{\phi\phi}$1.02 $M_{r\theta}$7.12 $M_{\theta\phi}$0.08 $M_{\phi r}$1.64 NP1:ϕ_s77.09000°,δ80.73000°,λ82.92000°. NP2:ϕ_s294.75000°,δ11.65000° ,λ127.08000°. Principal axes: T 7.3759,Plg54.0000°,Azm339.0000°; N 0.7925,Plg7.0000° ,Azm78.0000°; P -8.1684,Plg35.0000°,Azm173.0000° $M_0$7.80000×10^{17}

GFZ Error ellipse: s-maj=3.2km s-min=1.8km az=26.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se.

NEIC Event type se.

NEIC Event type se.

MOS Error ellipse: s-maj=4.1km s-min=2.8km az=114.5.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.17 $M_{\theta\theta}$-3.60 $M_{\phi\phi}$0.42 $M_{r\theta}$8.24 $M_{\theta\phi}$0.94 $M_{\phi r}$0.43 NP1: ϕ_s87.98477°,δ78.97331°,λ83.05292°. NP2:ϕ_s300.48416°,δ13.00969°,λ121.82801°. Principal axes: T 8.7918,Plg55.5077°,Azm349.2983°; N 0.3617,Plg6.8182°,Azm89.3198° ; P -9.1534,Plg33.6220°,Azm183.8799° $M_0$8.97806×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{18}Nm; M_{rr}0.41 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$0.11 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.03 $M_{\phi r}$0.56 NP1:ϕ_s291.77000°,δ19.69000° ,λ143.62000°. NP2:ϕ_s56.52000°,δ78.47000°,λ73.93000°. Principal axes: T 1.0468,Plg54.0000°,Azm307.0000°; N -0.0586,Plg16.0000°,Azm60.0000° ; P -0.9881,Plg32.0000°,Azm160.0000° $M_0$1.02000×10^{18}

IPGP Moment Tensor Solution. NP1:ϕ_s315.00000°,δ10.00000°,λ149.00000°. NP2:ϕ_s76.00000° ,δ85.00000°,λ81.00000°.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110062201A. Moment Tensor Solution. s152,c326; s154,c469;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.47±.01 $M_{\theta\theta}$-0.66±.01; $M_{\phi\phi}$0.19±.01; $M_{r\theta}$0.90±.03; $M_{\theta\phi}$0.03±.00; $M_{\phi r}$0.21±.01; Best double couple: NP1:ϕ_s294.00000°,δ18.00000°,λ125.00000°. NP2:ϕ_s78.00000°,δ75.00000°,λ79.00000°. Principal axes: T 1.0110,Plg59.0000°,Azm333.0000°; N 0.1520,Plg10.0000°,Azm80.0000° ; P -1.1630,Plg29.0000°,Azm176.0000° $M_0$1.08700×10^{18}

BGR Event type ke.

(276) Sunda Strait

ISC	**X**	**07 01 05 35.9–.42**	**6.88S–.06**	**104.98E–.05**	**10**	**4.5b,3.7s**	**156**	**1-150**
IDC	X	07 01 05 34.3–.60	6.69S	104.97E	0	4.2L,4.1b		**¶621217177**
DJA	X	07 01 05 37.1–.20	7S–3.0	105E–2.0	10	6.0b,5.7		
NEIC	X	07 01 05 40.0–1.8	6.92S–.07	104.94E–.06	35–2	4.6b,5.7		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**X**	**07 17 56 14.9–.22**	**55.77S–.05**	**26.47W–.05**	**10**	**5.5b,4.7s**	**445**	**6-173**
MOS	X	07 17 56 14.4–1.0	55.83S	26.78W	10	5.7b,4.7s		**¶621131623**
IDC	X	07 17 56 15.5–1.6	55.66S	26.41W	12–9	5.1,5.0b		
GFZ	X	07 17 56 15.7–.20	56S–4.0	26W–3.0	10	5.8b,5.6b		
NEIC	X	07 17 56 15.1–1.3	55.74S–.09	26.5W–.20	10–1	5.5b,5.3		
BJI	X	07 17 56 15.0	55.80S	26.50W	10	5.7b,5.3		
GCMT	X	07 17 56 19.6–.20	55.74S–.01	26.18W–.02	29–0	5.4W,5.3		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110071756A. Moment Tensor Solution. s77,c113; s124,c214;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.07±.03 $M_{\theta\theta}$1.13±.03; $M_{\phi\phi}$-1.20±.03; $M_{r\theta}$-0.57±.05; $M_{\theta\phi}$-0.35±.02; $M_{\phi r}$-0.26±.04; Best double couple: NP1: ϕ_s325.00000°,δ64.00000°,λ6.00000°. NP2:ϕ_s232.00000°,δ85.00000°,λ154.00000°. Principal axes: T 1.3940,Plg22.0000°,Azm185.0000°; N -0.0590,Plg63.0000°,Azm42.0000° ; P -1.3380,Plg14.0000°,Azm281.0000° $M_0$1.36600×10^{17}

(167) Macquarie Island region

ISC	**X**	**07 20 13 01.4–.44**	**58.83S–.03**	**158.58E–.04**	**12–2**	**5.8s,5.6b**	**1388**	**4-169**
IDC	X	07 20 12 59.6–.39	58.82S	158.44E	0	5.5s,5.2b		**¶621134137**
BJI	X	07 20 12 59.2	58.92S	158.35E	10	6.4b,5.8s		
MOS	X	07 20 13 00.3–1.1	58.71S	158.65E	10	5.7s,5.7b		
GFZ	X	07 20 13 01.9–.10	59S–2.0	158E–3.0	10	6.3b,6.0		
GFZ	X	07 20 13 01.9	58.92S	158.21E	25	5.8W,6.0		
IPGP	X	07 20 13 01.0	58.78S	158.45E	15	6.0W,6.0		
NEIC	X	07 20 13 01.2	58.76S	158.61E	10	6.0W,6.0		
NEIC	X	07 20 13 01.2	58.76S	158.61E	10	6.0W,6.0		
NEIC	X	07 20 13 01.2–2.0	58.76S–.07	158.6E–.20	10–1	5.9b,5.8		
PTWC	X	07 20 13 03	58.90S	158.40E	10	6.5,5.8		
GCMT	X	07 20 13 07.8–.10	58.87S	158.23E	19–0	6.0W,5.8		
NEIC	X	07 20 13 10.6	58.56S	159.38E	20	5.8,5.8		

ISC Event type se.

IDC Error ellipse: s-maj=21.4km s-min=12.7km az=80.0.

MOS Error ellipse: s-maj=22.8km s-min=7.2km az=100.4.

GFZ Error ellipse: s-maj=6.8km s-min=4.2km az=64.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.67 $M_{\theta\theta}$-2.70 $M_{\phi\phi}$-2.97 $M_{r\theta}$0.08 $M_{\theta\phi}$2.42 $M_{\phi r}$1.99 NP1: ϕ_s125.37903°,δ38.98225°,λ71.08939°. NP2:ϕ_s329.16268°,δ53.47843°,λ104.69645°. Principal axes: T 6.1467,Plg76.0437°,Azm287.2192°; N -0.7043,Plg11.7639°,Azm140.2910° ; P -5.4423,Plg7.4029°,Azm48.7405° $M_0$5.82652×10^{17}

IPGP Moment Tensor Solution. NP1:ϕ_s132.00000°,δ41.00000°,λ80.00000°. NP2:ϕ_s325.00000° ,δ50.00000°,λ98.00000°.

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=19.0km s-min=12.5km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.85 $M_{\theta\theta}$-2.42 $M_{\phi\phi}$-2.43 $M_{r\theta}$0.74 $M_{\theta\phi}$3.27 $M_{\phi r}$2.81 NP1:ϕ_s338.49000°,δ57.86000°,λ118.95000°. NP2:ϕ_s112.37000°,δ42.19000° ,λ52.39000°. Principal axes: T 6.2080,Plg64.0000°,Azm300.0000°; N -0.2913,Plg24.0000° ,Azm142.0000°; P -5.9168,Plg8.0000°,Azm48.0000° $M_0$6.07000×10^{17}

PTWC MACQUARIE ISLAND REGION.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110072013A. Moment Tensor Solution. s167,c371; s154,c566;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}1.21±.01 $M_{\theta\theta}$-0.52±.01; $M_{\phi\phi}$-0.69±.01; $M_{r\theta}$-0.00±.01; $M_{\theta\phi}$0.70±.01; $M_{\phi r}$0.14±.01; Best double couple: NP1:ϕ_s134.00000°,δ43.00000°,λ83.00000°. NP2:ϕ_s323.00000°,δ48.00000°,λ97.00000°. Principal axes: T 1.2230,Plg85.0000°,Azm292.0000°; N 0.0970,Plg5.0000°,Azm139.0000° ; P -1.3190,Plg2.0000°,Azm49.0000° $M_0$1.27100×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; M_{rr}4.80 $M_{\theta\theta}$-2.63 $M_{\phi\phi}$-2.17 $M_{r\theta}$-2.99 $M_{\theta\phi}$2.44 $M_{\phi r}$4.81 NP1:ϕ_s121.33000°,δ21.51000° ,λ68.62000°. NP2:ϕ_s324.15000°,δ70.04000°,λ98.18000°. Principal axes: T 7.5143,Plg64.0000°,Azm247.0000°; N -0.1535,Plg8.0000°,Azm141.0000° ; P -7.3608,Plg25.0000°,Azm48.0000° $M_0$7.44000×10^{17}

(268) Sulawesi

ISC	**X**	**07 23 02 48.5–1.1**	**1.67S–.03**	**120.23E–.03**	**2–7**	**4.3b**	**100**	**0-72**
NEIC	X	07 23 02 50.0–1.8	1.66S–.05	120.23E–.05	10–1	4.5b		**¶621217249**
DJA	X	07 23 02 50.1–.20	2S–1.0	120E–2.0	10	5.8b,5.8b		
IDC	X	07 23 02 56.8–3.9	1.83S	120.11E	68–41	4.0,3.7L		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=9.5km s-min=9.0km az=233.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=42.8km s-min=14.8km az=58.0.

(600) Near coast of South Australia

ISC	**X**	**08 16 47 27.1–1.5**	**35.38S–.03**	**140.99E–.03**	**10–9**	**4.8b,3.7s**	**567**	**1-152**
BJI	X	08 16 47 23.9	35.62S	141.21E	10	5.2b,4.9b		**¶621140969**
IDC	X	08 16 47 26.0–.53	35.47S	140.83E	0	4.9L,4.7		
NEIC	X	08 16 47 26.8–1.3	35.41S–.05	141.07E–.03	10–1	4.8b,4.7		
AUST	X	08 16 47 26.2–.11	35S–1.0	141E–1.0	0	5.0b,4.8L		
NOU	X	08 16 47 26.3	35.42S	140.99E	5	5.2b,4.8L		
GFZ	X	08 16 47 27.5–.22	35S–3.0	141E–3.0	10	5.7b,5.5L		
GCMT	X	08 16 47 29.6–.40	35.33S–.05	141.01E–.03	19–1	4.8W,5.5L		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

NOU Near Coast of South Australia.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110081647A. Moment Tensor Solution. s22,c25; s65,c79; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.79±.15 $M_{\theta\theta}$-0.27±.09; $M_{\phi\phi}$-1.52±.10; $M_{r\theta}$-0.41±.26; $M_{\theta\phi}$-0.17±.05; $M_{\phi r}$0.26±.20; Best double couple: NP1:ϕ_s199.00000°,δ43.00000° ,λ107.00000°. NP2:ϕ_s356.00000°,δ50.00000°,λ75.00000°. Principal axes: T 1.8930,Plg78.0000°,Azm203.0000°; N -0.3360,Plg12.0000°,Azm6.0000° ; P -1.5560,Plg4.0000°,Azm97.0000° $M_0$1.72500×10^{16}

(90) Puerto Rico region

ISC	**X**	**08 18 28 21.4–.97**	**17.92N–.03**	**65.35W–.02**	**9–6**	**4.6b,3.6s**	**340**	**0-161**
IDC	X	08 18 28 20.0–.53	17.87N	65.37W	0	4.3b,4.3		**¶621140977**
TRN	X	08 18 28 21.9	17.96N	65.48W	62	4.5,4.3		
CATAC	X	08 18 28 22.0–.49	18N–8.0	65W–3.0	1–3	5.0,5.0		
NEIC	X	08 18 28 22.3–1.2	17.93N–.05	65.37W–.03	13–3	4.8L,4.7L		
NEIC	X	08 18 28 22.3	17.93N	65.37W	13	4.8L,4.7L		
RSPR	X	08 18 28 24.0	18.01N	65.39W	11–0	4.1,4.7L		
GFZ	X	08 18 28 23.5–.19	18N–4.0	65W–3.0	10	5.8b,5.4		

ISC Event type ke.

TRN Near East of Puerto Rico.

CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.00 $M_{\theta\theta}$1.11 $M_{\phi\phi}$0.89 $M_{r\theta}$-1.21 $M_{\theta\phi}$1.35 $M_{\phi r}$-0.80 NP1:ϕ_s53.17000°,δ61.96000°,λ-83.78000°. NP2:ϕ_s220.13000°,δ28.67000° ,λ-101.49000°. Principal axes: T 2.7862,Plg17.0000°,Azm139.0000°; N -0.3361,Plg5.0000° ,Azm230.0000°; P -2.4501,Plg72.0000°,Azm338.0000° $M_0$2.63000×10^{15}

NEIC Event type se.

RSPR Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(117) Southern Peru

ISC	**X**	**09 04 47 48.7–.24**	**15.64S–.03**	**71.78W–.04**	**10**	**5.4s,5.3b**	**515**	**3-171**
IDC	X	09 04 47 45.9–.42	15.60S	71.85W	0	5.3s,4.6b		**¶621143691**
MOS	X	09 04 47 47.7–1.3	15.61S	71.75W	10	5.4s,5.4b		
BJI	X	09 04 47 48.5	15.60S	71.80W	10	5.9s,5.8		
VAO	X	09 04 47 48.7–.35	15.58S	71.76W	10	5.0b,5.8		
NEIC	X	09 04 47 49.3	15.58S	71.88W	16	5.0b,5.8		
NEIC	X	09 04 47 49.1–2.6	15.58S–.05	71.84W–.08	14–3	5.4,5.4b		
GFZ	X	09 04 47 50.1–.11	16S–1.0	72W–3.0	10	5.8b,5.6		
PTWC	X	09 04 47 50	15.70S	71.80W	229	5.8,5.6		
GFZ	X	09 04 47 50.1	15.62S	71.88W	10	5.5W,5.6		
NEIC	X	09 04 47 51.7	15.38S	71.57W	12	5.7,5.6		
GCMT	X	09 04 47 52.0–.10	15.78S	71.77W	12	5.5W,5.6		
CATAC	X	09 04 47 53.1–1.1	16S–6.0	71W–17	41–15	5.7b,5.6		

ISC Event type se.

VAO Event type se. Presumed earthquake.

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.67 $M_{\theta\theta}$1.42 $M_{\phi\phi}$0.25 $M_{r\theta}$-1.28 $M_{\theta\phi}$-0.52 $M_{\phi r}$-0.54 NP1: ϕ_s87.09670°,δ64.87509°,λ-109.92336°. NP2:ϕ_s307.58261°,δ31.65797°,λ-53.99678°. Principal axes: T 1.9386,Plg17.5570°,Azm191.7357°; N 0.3743,Plg17.9701°,Azm95.8457° ; P -2.3130,Plg64.4381°,Azm323.1493° $M_0$2.15038×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77 $M_{\theta\theta}$1.50 $M_{\phi\phi}$0.26 $M_{r\theta}$3.06 $M_{\theta\phi}$-0.91 $M_{\phi r}$-3.24 NP1:ϕ_s100.09000°,δ13.22000° ,λ-124.31000°. NP2:ϕ_s315.12000°,δ79.11000°,λ-82.45000°. Principal axes: T 4.8441,Plg34.0000°,Azm39.0000°; N -0.0196,Plg7.0000°,Azm134.0000° ; P -4.8245,Plg55.0000°,Azm235.0000° $M_0$4.83000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110090447A. Moment Tensor Solution. s125,c208; s159,c350;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.91±.02 $M_{\theta\theta}$1.76±.02; $M_{\phi\phi}$0.15±.02; $M_{r\theta}$-0.82±.04; $M_{\theta\phi}$-0.71±.01; $M_{\phi r}$-0.24±.05; Best double couple: NP1: ϕ_s305.00000°,δ37.00000°,λ-67.00000°. NP2:ϕ_s97.00000°,δ56.00000°,λ-106.00000°. Principal axes: T 2.1460,Plg10.0000°,Azm198.0000°; N 0.0070,Plg13.0000°,Azm106.0000° ; P -2.1520,Plg73.0000°,Azm323.0000° $M_0$2.14900×10^{17}

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01 $M_{\theta\theta}$2.06 $M_{\phi\phi}$-2.04 $M_{r\theta}$-2.15 $M_{\theta\phi}$-0.26 $M_{\phi r}$0.64 NP1:ϕ_s315.99452°

,δ84.00974°,λ41.14398°. NP2:ϕ_s220.78472°,δ49.12880°,λ172.06739°. Principal axes:
T 3.4698,Plg32.4454°,Azm186.8714°; N -1.1931,Plg48.4992°,Azm322.8059°
; P -2.2766,Plg22.8867°,Azm81.3042° $M_0$3.05334×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.59 $M_{\theta\theta}$2.16 $M_{\phi\phi}$-2.74 $M_{r\theta}$-1.58 $M_{\theta\phi}$-0.05 $M_{\phi r}$-0.73 NP1:
ϕ_s320.06755°,δ56.88964°,λ14.52838°. NP2:ϕ_s222.01032°,δ77.87032°,λ146.03217°.
Principal axes: T 3.1541,Plg32.3331°,Azm175.9619°; N -0.2285,Plg54.1777°,Azm24.6876°
; P -2.9256,Plg13.7496°,Azm274.8720° $M_0$3.04630×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}3.95 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-5.02 $M_{r\theta}$-1.43 $M_{\theta\phi}$-0.26 $M_{\phi r}$1.56 NP1:
ϕ_s203.85220°,δ39.93235°,λ124.10839°. NP2:ϕ_s342.40024°,δ57.89552°,λ64.85433°.
Principal axes: T 4.7892,Plg66.6374°,Azm203.1384°; N 0.4988,Plg21.0967°,Azm356.4081°
; P -5.2880,Plg9.5791°,Azm90.1412° $M_0$5.05711×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}3.61 $M_{\theta\theta}$1.34 $M_{\phi\phi}$-4.95 $M_{r\theta}$-1.63 $M_{\theta\phi}$-0.23 $M_{\phi r}$1.50 NP1:
ϕ_s207.41751°,δ41.82775°,λ130.70322°. NP2:ϕ_s338.31735°,δ59.63077°,λ59.73003°.
Principal axes: T 4.6754,Plg62.1772°,Azm198.5285°; N 0.5330,Plg25.7795°,Azm354.7574°
; P -5.2084,Plg9.7535°,Azm89.5197° $M_0$4.96343×10^{17}

(671) Eastern Siberia

ISC	**X**	**09 06 54 12.5–.30**	**63.34N–.03**	**158.47E–.03**	**10**	**4.8b,4.2s**	**432**	**1-153**
IDC	X	09 06 54 10.9–.47	63.31N	158.38E	0	4.5b,4.5	**¶621143709**	
BJI	X	09 06 54 11.6	63.33N	158.54E	14	5.0s,4.9b		
MOS	X	09 06 54 11.5–.90	63.40N	158.35E	12	5.0b,4.2s		
NERS	X	09 06 54 11.0	63.38N	158.42E	12	5.0b,4.2s		
NEIC	X	09 06 54 12.5–1.4	63.38N–.07	158.4E–.20	10–1	4.8b,4.2s		
GFZ	X	09 06 54 13.7–.21	63N–4.0	158E–3.0	10	5.9L,5.7b		
GCMT	X	09 06 54 14.2–.20	63.38N–.01	158.36E–.03	24–1	4.9W,5.7b		

ISC Event type se.
NERS Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110090654A. Moment Tensor Solution. s40,c48; s106,c162; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.26±.11 $M_{\theta\theta}$2.58±.10; $M_{\phi\phi}$-2.32±.09; $M_{r\theta}$0.32±.13; $M_{\theta\phi}$1.56±.08; $M_{\phi r}$0.23±.12; Best double couple: NP1:ϕ_s119.00000°,δ83.00000°,λ2.00000°. NP2:ϕ_s29.00000°,δ88.00000°,λ173.00000°. Principal axes: T 3.0770,Plg6.0000°,Azm344.0000°; N -0.2970,Plg83.0000°,Azm190.0000°; P -2.7820,Plg3.0000°,Azm74.0000° $M_0$2.92900×10^{16}

(196) Irian Jaya region

ISC	**X**	**09 13 09 05.0–.33**	**4.09S–.03**	**134.00E–.04**	**10**	**4.6b**	**255**	**1-150**
IDC	X	09 13 09 03.5–.50	4.06S	133.92E	0	4.3L,4.2	**¶621144007**	
GFZ	X	09 13 09 04.9–.19	4S–3.0	134E–2.0	10	4.9b,4.8b		
NEIC	X	09 13 09 05.8–2.1	4.10S–.07	133.97E–.09	10–1	4.5b,4.8b		
DJA	X	09 13 09 07.0–.30	4S–2.0	134E–1.0	23–3	5.6b,5.1		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(190) New Ireland region

ISC	**X**	**09 20 01 50.9–.24**	**4.64S–.03**	**153.00E–.03**	**54–1**	**5.4b,4.8s**	**1285**	**1-158**
BJI	X	09 20 01 48.4	4.55S	153.35E	59	5.7b,5.3b	**¶621630047**	
MOS	X	09 20 01 49.3–1.1	4.60S	152.91E	47	5.7b,5.3b		
IDC	X	09 20 01 50.9–1.2	4.70S	152.86E	51–9	5.2,4.9b		
GFZ	X	09 20 01 51.0	4.63S	152.86E	54	5.5W,4.9b		
NEIC	X	09 20 01 50.7	4.65S	153.00E	51	5.5W,4.9b		
NEIC	X	09 20 01 50.9	4.65S	153.03E	53	5.5W,4.9b		
GFZ	X	09 20 01 51.0–.38	5S–3.0	153E–3.0	52–3	5.8b,5.6		
NEIC	X	09 20 01 51.4	4.45S	152.93E	60	5.5,5.6		
NEIC	X	09 20 01 51.7–1.5	4.64S–.07	152.99E–.06	54–1	5.7,5.5b		
IPGP	X	09 20 01 51.0	4.60S	152.96E	62	5.6W,5.5b		
GCMT	X	09 20 01 53.0–.10	4.82S–.01	152.90E–.01	56–0	5.6W,5.5b		
DJA	X	09 20 02 04.1–.90	5S–4.0	153E–4.0	164–8	5.6b,5.5		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}2.32 $M_{\theta\theta}$-2.25 $M_{\phi\phi}$-0.07 $M_{r\theta}$0.67 $M_{\theta\phi}$-0.56 $M_{\phi r}$0.15 NP1:
ϕ_s76.78011°,δ53.10648°,λ90.31887°. NP2:ϕ_s256.24896°,δ36.89470°,λ89.57521°.
Principal axes: T 2.4170,Plg81.8900°,Azm348.3786°; N 0.0680,Plg0.2550°,Azm256.5887°
; P -2.4850,Plg8.1060°,Azm166.5524° $M_0$2.45171×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.46 $M_{\theta\theta}$-2.04 $M_{\phi\phi}$0.57 $M_{r\theta}$0.94 $M_{\theta\phi}$-0.10 $M_{\phi r}$0.30 NP1:ϕ_s282.32000°,δ32.23000°,λ111.83000°. NP2:ϕ_s76.98000°,δ60.33000°,λ76.81000°. Principal axes:
T 1.7589,Plg71.0000°,Azm316.0000°; N 0.5244,Plg11.0000°,Azm84.0000°
; P -2.2833,Plg14.0000°,Azm177.0000° $M_0$2.07000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.91 $M_{\theta\theta}$-3.11 $M_{\phi\phi}$-0.80 $M_{r\theta}$1.07 $M_{\theta\phi}$-0.85 $M_{\phi r}$0.43 NP1:ϕ_s70.83000°,δ53.79000°,λ88.95000°. NP2:ϕ_s252.61000°,δ36.22000°,λ91.44000°. Principal axes: T 4.0880,Plg81.0000°,Azm336.0000°; N -0.5217,Plg1.0000°,Azm71.0000°; P -3.5664,Plg9.0000°,Azm162.0000° $M_0$3.85000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s237.00000°,δ36.00000°,λ81.00000°. NP2:ϕ_s67.00000°,δ55.00000°,λ96.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110092001A. Moment Tensor Solution. s144,c288; s141,c269;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58±.03 $M_{\theta\theta}$-2.81±.02; $M_{\phi\phi}$0.23±.03; $M_{r\theta}$0.85±.03; $M_{\theta\phi}$-0.69±.02; $M_{\phi r}$0.31±.02; Best double couple: NP1:ϕ_s261.00000°,δ36.00000°,λ95.00000°. NP2:ϕ_s75.00000°,δ54.00000°,λ86.00000°.
Principal axes: T 2.7290,Plg81.0000°,Azm329.0000°; N 0.3730,Plg3.0000°,Azm77.0000°
; P -3.1020,Plg9.0000°,Azm168.0000° $M_0$2.91500×10^{17}

(116) Central Peru

ISC	**X**	**10 00 20 39.9–.18**	**11.69S–.03**	**71.61W–.04**	**10**	**5.7b,5.2s**	**1312**	**4-171**
IDC	X	10 00 20 38.6–.32	11.61S	71.58W	0	5.5b,5.5	**¶621144065**	
MOS	X	10 00 20 39.0–.87	11.60S	71.62W	10	5.8b,5.2s		
NEIC	X	10 00 20 40.5	11.73S	71.66W	9	5.8b,5.2s		
GFZ	X	10 00 20 40.6	11.66S	71.53W	19	5.6W,5.2s		
CATAC	X	10 00 20 40.8–.19	12S–3.0	71W–6.0	10	6.1,6.0b		
NEIC	X	10 00 20 40.7–2.1	11.70S–.05	71.65W–.03	10–1	5.7b,5.6		
VAO	X	10 00 20 40.9–.39	11.78S	71.67W	14–2	5.9b,5.6		
PTWC	X	10 00 20 41	11.70S	71.60W	10	5.8,5.6		
BJI	X	10 00 20 41.2	11.70S	71.70W	10	5.7s,5.6b		
GFZ	X	10 00 20 41.1–.16	12S–2.0	72W–3.0	10	6.0b,5.9L		
NEIC	X	10 00 20 42	11.72S	71.70W	19	6.0b,5.9L		
GCMT	X	10 00 20 44.4–.10	11.73S	71.73W	14–0	5.6W,5.9L		
NEIC	X	10 00 20 46.7	11.72S	71.70W	22	5.7,5.9L		

ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=8.5km az=36.0.
MOS Error ellipse: s-maj=7.2km s-min=5.0km az=99.1.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-3.22 $M_{\theta\theta}$3.37 $M_{\phi\phi}$-0.15 $M_{r\theta}$-0.62 $M_{\theta\phi}$-0.33 $M_{\phi r}$-0.03 NP1:
ϕ_s93.59260°,δ50.27329°,λ-92.15989°. NP2:ϕ_s276.96973°,δ39.77567°,λ-87.40326°.
Principal axes: T 3.4574,Plg5.2511°,Azm185.1261°; N -0.1824,Plg1.6610°,Azm94.9734°
; P -3.2750,Plg84.4911°,Azm347.4756° $M_0$3.36993×10^{17}
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.85 $M_{\theta\theta}$1.79 $M_{\phi\phi}$3.06 $M_{r\theta}$-0.80 $M_{\theta\phi}$-1.33 $M_{\phi r}$0.76 NP1:ϕ_s144.91824°,δ51.95478°,λ-93.18152°. NP2:ϕ_s330.07205°,δ38.15792°,λ-85.94333°. Principal axes:
T 4.0287,Plg6.9052°,Azm237.1838°; N 0.9605,Plg2.5050°,Azm146.8802°
; P -4.9892,Plg82.6502°,Azm37.0534° $M_0$4.58504×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}1.27 $M_{\theta\theta}$4.07 $M_{\phi\phi}$-5.34 $M_{r\theta}$-0.33 $M_{\theta\phi}$2.33 $M_{\phi r}$-0.07 NP1:
ϕ_s301.96919°,δ86.05314°,λ4.05215°. NP2:ϕ_s211.68981°,δ85.95748°,λ176.04328°.
Principal axes: T 4.6450,Plg5.6539°,Azm166.8329°; N 1.2407,Plg84.3457°,Azm346.1446°
; P -5.8857,Plg0.0675°,Azm76.8262° $M_0$5.37383×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.18 $M_{\theta\theta}$2.84 $M_{\phi\phi}$-0.67 $M_{r\theta}$-1.14 $M_{\theta\phi}$-0.04 $M_{\phi r}$-0.04 NP1:
ϕ_s89.19704°,δ57.25323°,λ-91.73361°. NP2:ϕ_s272.39956°,δ32.78752°,λ-87.30686°.
Principal axes: T 3.0889,Plg12.2373°,Azm180.4513°; N -0.6645,Plg1.4580°,Azm90.1350°
; P -2.4244,Plg77.6735°,Azm353.4461° $M_0$2.81608×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.09 $M_{\theta\theta}$2.19 $M_{\phi\phi}$-0.10 $M_{r\theta}$-3.19 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.88 NP1:
ϕ_s104.29129°,δ73.53406°,λ-86.01352°. NP2:ϕ_s270.47818°,δ16.92864°,λ-103.23608°.
Principal axes: T 4.0117,Plg28.4271°,Azm191.0868°; N -0.1092,Plg3.8227°,Azm283.1597°
; P -3.9024,Plg61.2698°,Azm20.1611° $M_0$3.95818×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.18 $M_{\theta\theta}$2.84 $M_{\phi\phi}$-0.67 $M_{r\theta}$-1.14 $M_{\theta\phi}$-0.04 $M_{\phi r}$-0.04 NP1:
ϕ_s89.19589°,δ57.25342°,λ-91.73437°. NP2:ϕ_s272.39983°,δ32.78737°,λ-87.30567°.
Principal axes: T 3.0888,Plg12.2374°,Azm180.4507°; N -0.6646,Plg1.4587°,Azm90.1343°
; P -2.4241,Plg77.6732°,Azm353.4426° $M_0$2.81589×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.09 $M_{\theta\theta}$2.19 $M_{\phi\phi}$-0.10 $M_{r\theta}$-3.19 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.88 NP1:
ϕ_s104.28740°,δ73.53233°,λ-86.00999°. NP2:ϕ_s270.46384°,δ16.93114°,λ-103.24596°.
Principal axes: T 4.0112,Plg28.4252°,Azm191.0802°; N -0.1101,Plg3.8261°,Azm283.1546°
; P -3.9011,Plg61.2711°,Azm20.1627° $M_0$3.95729×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=3.5km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.12 $M_{\theta\theta}$2.48 $M_{\phi\phi}$-0.36 $M_{r\theta}$1.15 $M_{\theta\phi}$-0.87 $M_{\phi r}$0.52 NP1:ϕ_s265.91000°,δ59.43000°,λ-114.27000°. NP2:ϕ_s127.47000°,δ38.29000°,λ-55.17000°. Principal axes: T 2.9169,Plg11.0000°,Azm13.0000°
; N -0.2943,Plg21.0000°,Azm279.0000°; P -2.6226,Plg66.0000°,Azm130.0000°
$M_0$2.78000×10^{17}
VAO Event type se. Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110100020A. Moment Tensor Solution. s127,c249; s138,c294;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.14±.04 $M_{\theta\theta}$3.64±.03; $M_{\phi\phi}$-1.50±.04; $M_{r\theta}$0.29±.06; $M_{\theta\phi}$0.06±.03; $M_{\phi r}$0.81±.08; Best double couple: NP1:ϕ_s119.00000°,δ51.00000°,λ-45.00000°. NP2:ϕ_s241.00000°,δ57.00000°,λ-132.00000°.
Principal axes: T 3.6570,Plg3.0000°,Azm359.0000°; N -0.9600,Plg34.0000°,Azm267.0000°
; P -2.6970,Plg56.0000°,Azm93.0000° $M_0$3.17700×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.40 $M_{\theta\theta}$3.77 $M_{\phi\phi}$-0.37 $M_{r\theta}$-2.40 $M_{\theta\phi}$0.24 $M_{\phi r}$1.57 NP1:ϕ_s246.93000°,δ31.95000°,λ-126.27000°. NP2:ϕ_s107.78000°,δ64.75000°,λ-69.75000°. Principal axes:
T 4.5114,Plg17.0000°,Azm183.0000°; N 0.1931,Plg18.0000°,Azm279.0000°
; P -4.7046,Plg64.0000°,Azm52.0000° $M_0$4.61000×10^{17}

(306) Xizang

ISC	**X**	**10 01 48 54.6–.40**	**30.45N–.04**	**94.81E–.05**	**10**	**4.6b,4.0s**	**275**	**3-92**
NDI	X	10 01 48 44.6–2.6	31.37N	94.90E	10	4.0L,4.0s	**¶621144063**	
MOS	X	10 01 48 52.9–.92	30.38N	94.92E	15	5.0b,4.0s		
IDC	X	10 01 48 52.2–.56	30.39N	94.92E	0	4.2L,4.2b		
BJI	X	10 01 48 53.1	30.34N	94.87E	10	4.5b,4.0s		
GFZ	X	10 01 48 54.8–.27	30N–4.0	95E–5.0	10	5.5b,5.0		
NEIC	X	10 01 48 54.8–1.5	30.42N–.08	94.84E–.09	10–1	4.7b,5.0		

ISC Event type se.
NDI Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region

ISC	**X**	**10 14 16 14.7–.25**	**42.41N–.03**	**143.08E–.03**	**52–1**	**4.9b,3.9s**	**897**	**0-152**
BJI	X	10 14 16 10.7	42.16N	143.46E	50	5.1b,5.0b	**¶621144262**	
IDC	X	10 14 16 14.9–.53	42.41N	143.11E	51–4	4.8,4.6b		
MOS	X	10 14 16 14.0–.90	42.29N	143.08E	65	5.2b,4.6b		
SKHL	X	10 14 16 14.9–.40	42.20N	143.10E	66–3	5.6b,4.6b		
JMA	X	10 14 16 15.9–.16	42.4N–.50	143.1E–.60	51–1	4.8W,4.7		
NEIC	X	10 14 16 15.9–1.0	42.35N–.06	143.1E–.10	62–5	4.9b,4.7		
NIED	X	10 14 16 15.9	42.36N	143.11E	51	4.8W,4.7		
GFZ	X	10 14 16 15.6–.41	42N–4.0	143E–7.0	58–3	5.3b,5.1b		
GCMT	X	10 14 16 16.6–.40	42.15N–.02	143.18E–.04	59–1	4.8W,5.1b		

ISC Event type ke.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.39 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.53 $M_{\phi r}$0.88 NP1:ϕ_s212.00000°,δ25.00000°,λ87.00000°. NP2:ϕ_s35.00000°,δ65.00000°,λ91.00000°. $M_0$1.72000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110101416A. Moment Tensor Solution. s33,c44; s74,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.72±.11 $M_{\theta\theta}$-0.77±.08; $M_{\phi\phi}$-0.95±.08; $M_{r\theta}$0.26±.05; $M_{\theta\phi}$-0.95±.05; $M_{\phi r}$0.76±.05; Best double couple: NP1:ϕ_s232.00000°,δ35.00000°,λ106.00000°. NP2:ϕ_s33.00000°,δ57.00000°,λ79.00000°. Principal axes:
T 1.9190,Plg75.0000°,Azm271.0000°; N 0.0480,Plg9.0000°,Azm39.0000°
; P -1.9650,Plg11.0000°,Azm130.0000° $M_0$1.94200×10^{16}

(738) Reykjanes Ridge

ISC	**X**	**10 16 09 35.3–.31**	**57.85N–.06**	**32.75W–.04**	**10**	**4.8b,4.2s**	**235**	**7-148**
BJI	X	10 16 09 30.8	57.83N	33.38W	8	5.3s,5.2b	**¶621144240**	
IDC	X	10 16 09 33.1–.48	57.72N	32.71W	0	4.4b,4.4		
GCMT	X	10 16 09 35.8–.20	58.05N–.02	32.44W–.02	12	4.9W,4.4		
NEIC	X	10 16 09 35.3–.91	57.86N–.08	32.7W–.10	10–1	4.8b,4.4		
GFZ	X	10 16 09 36.3	57.91N	32.57W	12	4.8W,4.4		
GFZ	X	10 16 09 36.3–.14	58N–4.0	33W–2.0	10	6.0b,5.6		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110101609A. Moment Tensor Solution. s29,c33; s111,c183; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.06±.05 $M_{\theta\theta}$0.13±.06; $M_{\phi\phi}$1.92±.04; $M_{r\theta}$1.57±.21; $M_{\theta\phi}$0.59±.04; $M_{\phi r}$-0.65±.16; Best double couple: NP1:ϕ_s221.00000°,δ49.00000°,λ-49.00000°. NP2:ϕ_s349.00000°,δ55.00000°,λ-127.00000°. Principal axes:
T 2.1060,Plg3.0000°,Azm104.0000°; N 0.9090,Plg29.0000°,Azm12.0000°
; P -3.0230,Plg60.0000°,Azm200.0000° $M_0$2.56500×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.99 $M_{\theta\theta}$0.43 $M_{\phi\phi}$1.56 $M_{r\theta}$-0.40 $M_{\theta\phi}$0.12 $M_{\phi r}$-1.16 NP1:
ϕ_s182.26376°,δ28.18552°,λ-99.11634°. NP2:ϕ_s12.58169°,δ62.20160°,λ-85.14705°.
Principal axes: T 1.9362,Plg17.0672°,Azm98.9940°; N 0.4360,Plg4.2918°,Azm190.3142°
; P -2.3721,Plg72.3692°,Azm293.9727° $M_0$2.18700×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(613) Hawaiian Islands

ISC	**X**	**10 21 48 36.8–.21**	**18.84N–.03**	**155.52W–.02**	**34–0**	**5.9b,5.6s**	**1098**	**0-176**
IDC	X	10 21 48 31.9–.35	18.88N	155.54W	0	5.4s,5.2b	**¶621144600**	
BJI	X	10 21 48 34.0	19.22N	155.65W	20	5.9b,5.7s		
MOS	X	10 21 48 34.2–1.0	18.94N	155.61W	23	6.0b,5.4s		
GFZ	X	10 21 48 35.5	18.92N	155.63W	26	5.9W,5.4s		
GFZ	X	10 21 48 35.8–.30	19N–2.0	156W–2.0	26–2	6.3,6.2b		
IPGP	X	10 21 48 36.0	18.82N	155.53W	29	5.9W,6.2b		
HVO	X	10 21 48 36.6–.71	18.82N–.02	155.53W–.04	35–10	5.9W,6.2b		
ISC-P	X	10 21 48 37	18.98N	155.53W	24–0	6.3,6.2b		
NEIC	X	10 21 48 37.2–1.6	18.98N–.04	155.53W–.04	30–1	6.2L,6.0L		
NEIC	X	10 21 48 37.9	18.99N	155.53W	39	6.2L,6.0L		
NEIC	X	10 21 48 37.2	18.98N	155.54W	30	6.2L,6.0L		
GCMT	X	10 21 48 41.0–.10	18.86N	155.57W	38–0	5.9W,6.0L		
NEIC	X	10 21 48 46.7	18.89N	155.95W	50	5.7,6.0L		

ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=10.2km az=112.0.
MOS Error ellipse: s-maj=6.4km s-min=4.6km az=101.7.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$0.05 $M_{r\theta}$0.95 $M_{\theta\phi}$-0.35 $M_{\phi r}$-0.15 NP1:
ϕ_s96.72344°,δ87.95677°,λ110.71029°. NP2:ϕ_s192.11067°,δ20.80643°,λ5.76062°.
Principal axes: T 1.0539,Plg43.3304°,Azm26.8303°; N -0.0446,Plg20.6965°,Azm275.9512°
; P -1.0093,Plg39.4781°,Azm167.8202° $M_0$1.03236×10^{18}
GFZ Error ellipse: s-maj=4.5km s-min=3.9km az=126.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s191.00000°,δ30.00000°,λ12.00000°. NP2:ϕ_s91.00000°,δ84.00000°,λ120.00000°.

HVO Event type se. Error ellipse: s-maj=6.4km s-min=2.2km az=108.0. hypocenter. manual.
ISC-P Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}0.12±.02 $M_{\theta\theta}$0.91±.14; $M_{\phi\phi}$-0.09±.13; $M_{r\theta}$0.23±.15; $M_{\theta\phi}$-0.15±.08; $M_{\phi r}$0.03±.11; NP1:ϕ_s45.00000°,δ56.80000° ,λ191.80000°. NP2:ϕ_s308.40000°,δ80.10000°,λ-33.70000°. $M_0$3.39000×10^{18}
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.04 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$-1.05 $M_{r\theta}$3.85 $M_{\theta\phi}$-4.16 $M_{\phi r}$0.22 NP1:ϕ_s185.19000°,δ43.62000°,λ19.21000°. NP2:ϕ_s81.03000°,δ76.88000° ,λ131.98000°. Principal axes: T 5.5542,Plg42.0000°,Azm31.0000°; N 0.7079,Plg41.0000° ,Azm249.0000°; P -6.2621,Plg21.0000°,Azm141.0000° $M_0$5.94000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110102148A. Moment Tensor Solution. s133,c275; s169,c393;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.05 $M_{\theta\theta}$-1.27±.05; $M_{\phi\phi}$0.05±.04; $M_{r\theta}$7.14±.13; $M_{\theta\phi}$-4.06±.04; $M_{\phi r}$-0.68±.06; Best double couple: NP1: ϕ_s190.00000°,δ30.00000°,λ9.00000°. NP2:ϕ_s91.00000°,δ85.00000°,λ120.00000°. Principal axes: T 8.4550,Plg42.0000°,Azm30.0000°; N -0.2430,Plg29.0000°,Azm269.0000° ; P -8.2090,Plg34.0000°,Azm157.0000° $M_0$8.33200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 10s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.63 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-0.11 $M_{r\theta}$4.35 $M_{\theta\phi}$-2.78 $M_{\phi r}$0.28 NP1:ϕ_s183.62000°,δ31.91000° ,λ8.13000°. NP2:ϕ_s86.71000°,δ85.72000°,λ121.65000°. Principal axes: T 5.0223,Plg41.0000°,Azm26.0000°; N 0.3463,Plg32.0000°,Azm264.0000° ; P -5.3686,Plg33.0000°,Azm150.0000° $M_0$5.20000×10^{17}

(12) Alaska Peninsula

ISC	**X**	**11 09 10 24.3–.19**	**56.36N–.02**	**156.67W–.02**	**59–1**	**6.8b,6.5s**	**3390**	**1-165**	
BJI	X	11 09 10 18.2	56.41N	156.63W	40	7.1b,6.9s			**¶621144696**
MOS	X	11 09 10 21.7–.94	56.41N	156.89W	45	7.3b,6.5s			
NEIC	X	11 09 10 23.7	56.26N	156.50W	61	7.3b,6.5s			
IDC	X	11 09 10 23.1–.83	56.60N	156.73W	42–6	6.6,6.4b			
NEIC	X	11 09 10 24.0–1.9	56.25N–.04	156.51W–.05	58–1	6.9b,6.9			
NEIC	X	11 09 10 23.6	56.25N	156.51W	63	6.9b,6.9			
PTWC	X	11 09 10 23	56.30N	156.40W	73	7.0,6.9			
IPGP	X	11 09 10 23.0	56.27N	156.55W	62	7.0W,6.9			
GFZ	X	11 09 10 24.3	56.40N	156.77W	56	6.9W,6.9			
GFZ	X	11 09 10 24.3–.28	56N–1.0	157W–1.0	52–2	7.2b,7.1			
NEIC	X	11 09 10 24	56.24N	156.49W	58	7.2b,7.1			
BGR	X	11 09 10 24.9	56.72N	157.39W	33	7.3,6.9b			
AEIC	X	11 09 10 25.1–2.1	56.30N–.03	156.58W–.04	52–4	7.3,6.9b			
GCMT	X	11 09 10 30.0–.00	56.45N	156.63W	67–0	6.9W,6.9b			
NEIC	X	11 09 10 35.9	56.25N	156.87W	60	6.9,6.9b			
NEIC	X	11 09 10 44.6	56.82N	156.70W	60	6.9,6.9b			

ISC Event type ke.
MOS Error ellipse: s-maj=8.5km s-min=3.7km az=96.8. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s3.00000°,δ76.00000°,λ157.00000°. NP2: ϕ_s98.00000°,δ68.00000°,λ15.00000°. Principal axes: T Plg25.0000°,Azm319.0000° ; N Plg64.0000°,Azm153.0000°; P Plg6.0000°,Azm52.0000°
NEIC Event type se.
IDC Error ellipse: s-maj=9.2km s-min=6.6km az=166.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.9km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.26 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.33 $M_{r\theta}$0.79 $M_{\theta\phi}$1.98 $M_{\phi r}$1.45 NP1:ϕ_s0.87000°,δ79.44000°,λ145.08000°. NP2:ϕ_s98.16000°,δ55.75000°,λ12.81000°. Principal axes: T 2.8349,Plg32.0000°,Azm314.0000°; N -0.5583,Plg54.0000°,Azm166.0000° ; P -2.2766,Plg16.0000°,Azm54.0000° $M_0$2.60000×10^{19}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s3.00000°,δ78.00000°,λ150.00000°. NP2:ϕ_s100.00000° ,δ60.00000°,λ14.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.18 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.81 $M_{\theta\phi}$1.90 $M_{\phi r}$1.40 NP1: ϕ_s100.33538°,δ55.15306°,λ11.11819°. NP2:ϕ_s3.92848°,δ80.89439°,λ144.64235°. Principal axes: T 2.7568,Plg31.0599°,Azm316.2433°; N -0.5614,Plg53.6371°,Azm171.3553° ; P -2.1954,Plg16.9854°,Azm56.8443° $M_0$2.52341×10^{19}
GFZ Error ellipse: s-maj=3.1km s-min=2.8km az=169.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
BGR Event type ke.
AEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.4km az=139.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110110910A. Moment Tensor Solution. s173,c485; s171,c848;Duration: 6s9 Moment tensor: Scale 10^{19}Nm; M_{rr}0.25±.01 $M_{\theta\theta}$0.23±.01; $M_{\phi\phi}$-0.48±.01; $M_{r\theta}$0.85±.01; $M_{\theta\phi}$2.20±.01; $M_{\phi r}$1.64±.01; Best double couple: NP1:ϕ_s100.00000°,δ55.00000°,λ11.00000°. NP2:ϕ_s3.00000°,δ81.00000°,λ144.00000°. Principal axes: T 3.1480,Plg31.0000°,Azm315.0000°; N -0.5730,Plg53.0000°,Azm171.0000° ; P -2.5750,Plg17.0000°,Azm56.0000° $M_0$2.86100×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 14s2 Moment tensor: Scale 10^{19}Nm; M_{rr}0.46 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-0.77 $M_{r\theta}$0.80 $M_{\theta\phi}$2.04 $M_{\phi r}$1.24 NP1:ϕ_s102.13000°,δ59.25000° ,λ15.77000°. NP2:ϕ_s3.92000°,δ76.49000°,λ148.28000°. Principal axes: T 2.7516,Plg32.0000°,Azm319.0000°; N -0.3101,Plg56.0000°,Azm163.0000° ; P -2.4415,Plg11.0000°,Azm56.0000° $M_0$2.61000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 15s4 Moment tensor: Scale 10^{19}Nm; M_{rr}0.40 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-0.64 $M_{r\theta}$0.82 $M_{\theta\phi}$2.16 $M_{\phi r}$1.32 NP1:ϕ_s2.64000°,δ77.19000°,λ148.67000°. NP2:ϕ_s100.33000°,δ59.53000°,λ14.91000°. Principal axes: T 2.8827,Plg31.0000° ,Azm317.0000°; N -0.3772,Plg56.0000°,Azm163.0000°; P -2.5055,Plg12.0000° ,Azm55.0000° $M_0$2.69000×10^{19}

(266) Northern Molucca Sea

ISC	**X**	**11 12 34 35.4–.24**	**0.79N–.03**	**126.13E–.03**	**33–0**	**5.6b,5.2s**	**1439**	**1-176**	
IDC	X	11 12 34 29.9–.29	0.78N	125.94E	0	5.3b,5.2			**¶621145544**
BJI	X	11 12 34 31.1	0.38N	126.15E	39	5.7b,5.2s			
MOS	X	11 12 34 34.2–1.1	0.88N	125.98E	35	5.8b,5.0s			
DJA	X	11 12 34 35.2–.10	1N–1.0	126E–1.0	26–1	6.2b,6.0			
GFZ	X	11 12 34 36.4–.15	1N–1.0	126E–1.0	40–1	6.1b,5.8			
NEIC	X	11 12 34 36.1–1.7	0.81N–.06	126.20E–.05	37–6	5.7b,5.3			
NEIC	X	11 12 34 36	0.81N	126.20E	36	5.7b,5.3			
GFZ	X	11 12 34 38.5	0.80N	126.14E	36	5.6W,5.3			
GCMT	X	11 12 34 40.9–.20	0.92N–.01	126.16E–.01	31–0	5.8W,5.3			
NEIC	X	11 12 34 43.6	0.81N	126.30E	36	5.7,5.3			

ISC Event type se.
IDC Error ellipse: s-maj=9.7km s-min=6.2km az=76.0.
MOS Error ellipse: s-maj=8.5km s-min=4.7km az=114.3.
GFZ Error ellipse: s-maj=3.0km s-min=2.9km az=125.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.4km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.63 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-2.94 $M_{r\theta}$-1.10 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.89 NP1: ϕ_s209.38361°,δ42.06219°,λ124.63758°. NP2:ϕ_s346.44533°,δ56.55064°,λ62.84703°. Principal axes: T 3.2317,Plg66.1668°,Azm203.4472°; N -0.1192,Plg22.3821°,Azm2.2313° ; P -3.1125,Plg7.7709°,Azm95.4528° $M_0$3.17376×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110111234A. Moment Tensor Solution. s77,c104; s128,c225;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.38±.18 $M_{\theta\theta}$0.44±.11; $M_{\phi\phi}$-5.83±.11; $M_{r\theta}$-0.83±.19; $M_{\theta\phi}$-1.07±.07; $M_{\phi r}$1.72±.16; Best double couple: NP1: ϕ_s201.00000°,δ39.00000°,λ109.00000°. NP2:ϕ_s358.00000°,δ54.00000°,λ76.00000°. Principal axes: T 5.8180,Plg76.0000°,Azm221.0000°; N 0.3970,Plg12.0000°,Azm7.0000° ; P -6.2210,Plg8.0000°,Azm98.0000° $M_0$6.01900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.68 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-4.60 $M_{r\theta}$-0.71 $M_{\theta\phi}$-1.32 $M_{\phi r}$1.11 NP1:ϕ_s206.68000°,δ40.95000° ,λ107.79000°. NP2:ϕ_s3.65000°,δ51.39000°,λ75.15000°. Principal axes: T 4.9612,Plg77.0000°,Azm218.0000°; N 0.0743,Plg12.0000°,Azm13.0000° ; P -5.0355,Plg5.0000°,Azm104.0000° $M_0$5.00000×10^{17}

(266) Northern Molucca Sea

ISC	**X**	**11 15 27 52.7–.58**	**0.85N–.03**	**126.10E–.03**	**40–5**	**5.0b,3.9s**	**585**	**1-159**	
IDC	X	11 15 27 46.7–.37	0.77N	125.95E	0	4.8b,4.7			**¶621145551**
BJI	X	11 15 27 48.3	0.44N	126.07E	41	5.1b,4.8b			
NEIC	X	11 15 27 49.1–1.2	0.89N–.06	126.13E–.05	10–1	5.0b,4.8b			
GFZ	X	11 15 27 53.2–.12	1N–2.0	126E–2.0	46	5.4b,5.2			
GFZ	X	11 15 27 53.2	0.86N	126.10E	41	4.9W,5.2			
DJA	X	11 15 27 53.8–.10	1N–1.0	126E–1.0	47–2	5.6b,5.2			
GCMT	X	11 15 27 57.0–.40	0.93N–.03	126.06E–.03	32–1	5.3W,5.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.78 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-2.82 $M_{r\theta}$-0.47 $M_{\theta\phi}$-1.22 $M_{\phi r}$-0.72 NP1: ϕ_s204.56714°,δ52.95127°,λ95.55263°. NP2:ϕ_s15.40111°,δ37.40342°,λ82.69577°. Principal axes: T 2.9061,Plg81.0182°,Azm140.5593°; N 0.4776,Plg4.4292°,Azm21.2150° ; P -3.3837,Plg7.7981°,Azm290.6072° $M_0$3.17199×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110111527A. Moment Tensor Solution. s24,c26; s73,c90; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.08 $M_{\theta\theta}$-0.24±.04; $M_{\phi\phi}$-0.79±.05; $M_{r\theta}$-0.08±.06; $M_{\theta\phi}$-0.23±.02; $M_{\phi r}$-0.19±.05; Best double couple: NP1:ϕ_s19.00000°,δ39.00000° ,λ89.00000°. NP2:ϕ_s200.00000°,δ51.00000°,λ91.00000°. Principal axes: T 1.0610,Plg84.0000°,Azm114.0000°; N -0.1570,Plg0.0000°,Azm20.0000° ; P -0.8990,Plg6.0000°,Azm290.0000° $M_0$0.98000×10^{17}

(7) Andreanof Islands

ISC	**X**	**11 18 25 47.0–.46**	**51.47N–.05**	**174.45W–.03**	**26–2**	**5.0b,4.1s**	**674**	**1-153**	
IDC	X	11 18 25 42.7–.55	51.58N	174.33W	0	4.5b,4.5			**¶621145559**
AEIC	X	11 18 25 45.8–2.7	51.39N–.04	174.45W–.05	3–3	4.5b,4.5			
GFZ	X	11 18 25 47.9–.25	52N–6.0	174W–2.0	28	8.1,7.7			
BJI	X	11 18 25 47.3	51.83N	174.80W	30	5.3b,5.2b			
NEIC	X	11 18 25 48.5–1.7	51.48N–.05	174.43W–.01	35–1	4.9b,4.8L			
GCMT	X	11 18 25 50.0–.50	51.30N–.03	174.60W–.06	30–1	5.0W,4.8L			
BGR	X	11 18 25 52.9	52.03N	175.63W	33	5.2b,3.9s			

ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=10.2km az=169.0.
AEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.0km az=156.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=3.0km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110111825A. Moment Tensor Solution. s20,c20; s67,c80; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.51±.29 $M_{\theta\theta}$-2.95±.17; $M_{\phi\phi}$-0.56±.17; $M_{r\theta}$1.19±.20; $M_{\theta\phi}$-0.36±.09; $M_{\phi r}$0.30±.23; Best double couple: NP1:ϕ_s263.00000°,δ35.00000° ,λ93.00000°. NP2:ϕ_s80.00000°,δ55.00000°,λ88.00000°. Principal axes: T 3.7350,Plg80.0000°,Azm343.0000°; N -0.5130,Plg1.0000°,Azm81.0000° ; P -3.2260,Plg10.0000°,Azm171.0000° $M_0$3.48000×10^{16}
BGR Event type ke.

(211) Southeast of Honshu

ISC	**X**	**12 03 19 00.5–.53**	**30.07N–.03**	**142.87E–.05**	**16–2**	**5.2b,3.9s**	**633**	**3-160**	
BJI	X	12 03 18 57.2	30.12N	142.96E	5	5.2b,4.8b			**¶621146145**
IDC	X	12 03 18 58.1–.45	30.00N	142.90E	0	4.8b,4.8			
MOS	X	12 03 18 59.1–.89	30.08N	142.84E	15	5.2b,4.0s			
NIED	X	12 03 18 59.1	30.03N	142.85E	64	4.5W,4.0s			
JMA	X	12 03 18 59.1–.20	30.0N–.50	143E–2.0	64	5.2,4.0s			
NEIC	X	12 03 19 00.6–2.2	30.14N–.07	142.83E–.10	10–1	5.2b,4.9			
GFZ	X	12 03 19 00.1–.14	30N–2.0	143E–3.0	10	5.8,5.7			
GCMT	X	12 03 19 03.7–.40	29.99N–.04	142.84E–.02	22–1	4.9W,5.7			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.24 $M_{\theta\theta}$-4.42 $M_{\phi\phi}$5.67 $M_{r\theta}$1.13 $M_{\theta\phi}$-3.28 $M_{\phi r}$-1.51 NP1:ϕ_s209.00000°,δ75.00000°,λ2.00000°. NP2:ϕ_s119.00000° ,δ88.00000°,λ165.00000°. $M_0$6.26000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110120319A. Moment Tensor Solution. s14,c15; s75,c104; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.36±.23 $M_{\theta\theta}$0.01±.13; $M_{\phi\phi}$2.35±.14; $M_{r\theta}$-0.63±.25; $M_{\theta\phi}$-0.54±.09; $M_{\phi r}$0.85±.17; Best double couple: NP1:ϕ_s357.00000°,δ35.00000° ,λ-74.00000°. NP2:ϕ_s158.00000°,δ57.00000°,λ-101.00000°. Principal axes: T 2.6560,Plg11.0000°,Azm256.0000°; N -0.0400,Plg9.0000°,Azm164.0000° ; P -2.6180,Plg76.0000°,Azm35.0000° $M_0$2.63700×10^{16}

(238) Ryukyu Islands

ISC	**X**	**12 03 35 44.5–.74**	**25.38N–.05**	**126.47E–.05**	**40–6**	**4.8b,3.8s**	**264**	**1-92**	
BJI	X	12 03 35 42.6	25.29N	126.35E	35	4.5b,4.2s			**¶621146148**
NEIC	X	12 03 35 43.1–1.4	25.46N–.08	126.52E–.07	27–3	4.9b,4.2s			
GFZ	X	12 03 35 43.8–.31	25N–5.0	127E–4.0	45	5.7b,5.2			
NIED	X	12 03 35 44.9	25.48N	126.42E	57	4.5W,5.2			
JMA	X	12 03 35 44.9–.09	25N–1.0	126E–1.0	57	4.3,5.2			
IDC	X	12 03 35 45.5–2.2	25.44N	126.37E	47–20	4.4,4.3b			

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.1km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.83 $M_{\theta\theta}$-3.12 $M_{\phi\phi}$-0.71 $M_{r\theta}$3.84 $M_{\theta\phi}$-3.03 $M_{\phi r}$3.95 NP1:ϕ_s252.00000°,δ21.00000°,λ115.00000°. NP2:ϕ_s45.00000° ,δ71.00000°,λ81.00000°. $M_0$7.14000×10^{15}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
IDC Error ellipse: s-maj=17.6km s-min=15.4km az=59.0.

(216) Mariana Islands

ISC	**X**	**12 09 20 35.1–.56**	**12.95N–.07**	**144.2E–.10**	**10**	**4.6b**	**40**	**1-69**	
DJA	X	12 09 20 28.8–7.5	15N–39	145E–27	110–47	5.7b,5.6			**¶626703659**
NEIC	X	12 09 20 34.4–.92	12.89N–.07	144.2E–.10	10–1	4.6b,5.6			
IDC	X	12 09 20 35.0–1.2	12.66N	144.27E	0	4.3b,4.3			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=7.4km az=298.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=94.1km s-min=14.6km az=116.0.

(370) Crete

ISC	**X**	**12 09 24 04.5–.33**	**35.08N–.02**	**26.40E–.01**	**19–1**	**6.2s,6.2b**	**2832**	**0-168**	
IDC	X	12 09 24 01.5–.33	35.17N	26.33E	0	6.1s,5.9b			**¶621146229**
MOS	X	12 09 24 01.7–1.2	34.98N	26.30E	13	6.4b,6.1s			
AFAD	X	12 09 24 01.2	35.08N	26.12E	7–4	6.3W,6.1s			
BEO	X	12 09 24 02.6–.50	34.66N	26.05E	0	6.0L,6.1s			
ATH	X	12 09 24 02.7	34.89N	26.47E	10–3	6.3L,6.1s			
MCSM	X	12 09 24 02.2–.30	35N–2.0	26E–2.0	11–1	6.6,6.4b			
IPGP	X	12 09 24 03.0	35.19N	26.26E	21	6.5W,6.4b			
NEIC	X	12 09 24 03.8	35.16N	26.22E	10	6.5W,6.4b			
PTWC	X	12 09 24 03	34.70N	26.30E		6.4,6.4b			
NEIC	X	12 09 24 03.8	35.19N	26.26E	10	6.4,6.4b			
PDG	X	12 09 24 04.5–.92	34.98N	26.42E	6–3	6.5,6.4L			
ISK	X	12 09 24 04.8	35.00N	26.33E	16–0	6.3L,6.4L			
BJI	X	12 09 24 04.1	34.95N	26.35E	30	6.5s,6.4b			
THE	X	12 09 24 04.0	35N–4.0	26E–3.0	11–3	6.3,6.3			
NAO	X	12 09 24 04.4	34.95N	24.51E	10	5.3b,6.3			
MED_R	X	12 09 24 04.0	35.04N	26.27E	43	6.3W,6.3			
NIC	X	12 09 24 04.8	35.04N	26.27E	5–20	6.3W,6.3			
ISC-P	X	12 09 24 05	35.17N	26.22E	27–0	6.7,6.3			
GFZ	X	12 09 24 05.3	35.07N	26.25E	31	6.3W,6.3			
NEIC	X	12 09 24 05.1–.93	35.17N–.07	26.22E–.05	20–1	6.2b,6.2			
GII	X	12 09 24 06.9–.00	34.77N	26.65E	0	5.9,6.2			
GFZ	X	12 09 24 06.2–.39	35N–2.0	26E–1.0	24–2	6.4b,6.2			
GCMT	X	12 09 24 08.6–.10	34.98N–.01	26.44E	24	6.4W,6.2			
NEIC	X	12 09 24 15.2	34.89N	26.38E	16	6.4,6.2			
BGR	X	12 09 24 31.2–2.8	37.10N	25.24E	33	6.2s,5.9b			

ISC Event type ke.

IDC Error ellipse: s-maj=8.6km s-min=6.3km az=166.0.
MOS Error ellipse: s-maj=4.0km s-min=2.3km az=83.6.
AFAD Event type se. Presumed earthquake.
BEO Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/12 09:24:25, This location: 2022/06/08 06:49:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 2 km.
IPGP Moment Tensor Solution. NP1:ϕ_s251.00000°,δ14.00000°,λ-1.00000°. NP2:ϕ_s343.00000°,δ90.00000°,λ-104.00000°.
NEIC Event type se.
NEIC Event type se.
PDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=90.0.
ISK Event type ke.
NAO Event type se. Presumed earthquake.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18} Nm; M_{rr}-1.73±.08 $M_{\theta\theta}$-1.30±.06; $M_{\phi\phi}$0.00±.05; $M_{r\theta}$0.68±.07; $M_{\theta\phi}$0.33±.06; $M_{\phi r}$-1.46±.09; NP1: ϕ_s217.00000°,δ39.00000°,λ-39.00000°. NP2:ϕ_s339.00000°,δ67.00000°,λ-122.00000°. Principal axes: T 3.4500,Plg16.0000°,Azm92.0000°; N -0.8700,Plg29.0000°,Azm353.0000° ; P -2.5700,Plg56.0000°,Azm206.0000° $M_0$3.01000×10^{18}
NIC Event type ke.
ISC-P Moment Tensor Solution. s41 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.19±.15 $M_{\theta\theta}$-0.35±.26; $M_{\phi\phi}$0.51±.16; $M_{r\theta}$0.30±.19; $M_{\theta\phi}$-0.44±.15; $M_{\phi r}$0.08±.14; NP1:ϕ_s226.10000°,δ37.30000°,λ345.00000°. NP2:ϕ_s328.10000°,δ81.00000°,λ-126.30000°. $M_0$1.30000×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.21 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$1.02 $M_{r\theta}$1.08 $M_{\theta\phi}$0.35 $M_{\phi r}$-3.14 NP1: ϕ_s339.41527°,δ86.82371°,λ-104.33474°. NP2:ϕ_s237.18143°,δ14.67523°,λ-12.63336°. Principal axes: T 3.6430,Plg40.1551°,Azm82.6570°; N -0.3857,Plg14.3123°,Azm340.2265° ; P -3.2573,Plg46.3209°,Azm234.7307° $M_0$3.46629×10^{18}
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.3km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.48 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$0.58 $M_{r\theta}$0.77 $M_{\theta\phi}$-0.50 $M_{\phi r}$-2.06 NP1:ϕ_s134.54000°,δ9.09000°,λ-114.99000°. NP2:ϕ_s339.81000°,δ81.76000°,λ-86.13000°. Principal axes: T 2.4657,Plg37.0000°,Azm66.0000° ; N -0.3425,Plg4.0000°,Azm159.0000°; P -2.1232,Plg53.0000°,Azm254.0000° $M_0$2.31000×10^{18}
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GFZ Error ellipse: s-maj=3.6km s-min=2.5km az=38.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110120924A. Moment Tensor Solution. s163,c382; s157,c430;Duration: 4^{s}3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.86±.02 $M_{\theta\theta}$-0.84±.01; $M_{\phi\phi}$1.70±.01; $M_{r\theta}$1.48±.03; $M_{\theta\phi}$0.41±.01; $M_{\phi r}$-3.89±.03; Best double couple: NP1:ϕ_s226.00000°,δ16.00000°,λ-24.00000°. NP2:ϕ_s340.00000°,δ83.00000°,λ-105.00000°. Principal axes: T 4.5680,Plg37.0000°,Azm83.0000°; N -0.2850,Plg15.0000°,Azm341.0000° ; P -4.2870,Plg49.0000°,Azm233.0000° $M_0$4.42800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 7^{s}1.0 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.08 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$1.90 $M_{r\theta}$1.86 $M_{\theta\phi}$0.17 $M_{\phi r}$-4.90 NP1:ϕ_s217.59000°,δ12.61000°,λ-32.44000°. NP2:ϕ_s339.39000°,δ83.27000°,λ-100.69000°. Principal axes: T 5.6799,Plg37.0000°,Azm79.0000°; N -0.3867,Plg11.0000°,Azm341.0000° ; P -5.2933,Plg51.0000°,Azm237.0000° $M_0$5.50000×10^{18}
BGR Event type ke. Error ellipse: s-maj=173.0km s-min=123.0km az=165.0.

(153) South Sandwich Islands region

ISC	**X**	**12 13 38 33.5–.56**	**59.78S–.09**	**26.05W–.09**	**16**	**4.8b,3.7s**	**79**	**8-153**
IDC	X	12 13 38 29.3–.81	59.52S	25.83W	0	5.1L,4.3		**¶621146415**
GFZ	X	12 13 38 33.5–.27	60S–6.0	26W–7.0	10	6.2b,5.9		
NEIC	X	12 13 38 36.0–1.1	59.8S–.10	26.1W–.20	35–2	4.7b,5.9		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(196) Irian Jaya region

ISC	**X**	**13 03 08 46.0–.48**	**0.38S–.05**	**133.01E–.06**	**32**	**4.4b,4.1s**	**109**	**1-145**
IDC	X	13 03 08 40.7–.69	0.35S	133.03E	0	4.3L,4.3b		**¶621238944**
DJA	X	13 03 08 45.7–1.4	0S–3.0	133E–2.0	25–13	5.5b,5.0		
NEIC	X	13 03 08 46.9–1.4	0.41S–.09	132.9E–.10	31–5	4.5b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(196) Irian Jaya region

ISC	**X**	**13 03 28 48.6–.56**	**0.37S–.05**	**132.95E–.05**	**32**	**4.3b**	**66**	**1-86**
IDC	X	13 03 28 44.2–.78	0.39S	133.03E	0	4.2L,4.2b		**¶621238946**
DJA	X	13 03 28 46.3–.50	0S–4.0	133E–3.0	10	5.6b,5.1		
NEIC	X	13 03 28 47.1–1.6	0.42S–.09	132.85E–.10	10–1	4.5b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(190) New Ireland region

ISC	**X**	**13 06 25 39.8–.75**	**4.18S–.04**	**152.99E–.04**	**18–3**	**5.1b,4.3s**	**590**	**1-151**
BJI	X	13 06 25 37.4	3.70S	153.45E	8	5.6b,4.9b		**¶621146563**
NEIC	X	13 06 25 38.4–1.4	4.14S–.07	152.90E–.05	10–1	5.1b,4.9b		
GFZ	X	13 06 25 39.8–.17	4S–2.0	153E–3.0	10	5.7b,5.5		
IDC	X	13 06 25 41.9–1.7	4.23S	152.87E	32–11	4.8,4.6L		
GCMT	X	13 06 25 42.1–.20	4.24S–.01	152.93E–.01	20–1	5.1W,4.6L		
DJA	X	13 06 25 51.4–1.6	5S–8.0	153E–13	69–9	5.8b,5.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110130625A. Moment Tensor Solution. s50,c69; s127,c210; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.17 $M_{\theta\theta}$-3.90±.12; $M_{\phi\phi}$4.67±.14; $M_{r\theta}$2.01±.29; $M_{\theta\phi}$4.14±.13; $M_{\phi r}$-1.28±.27; Best double couple: NP1:ϕ_s245.00000°,δ72.00000°,λ-13.00000°. NP2:ϕ_s339.00000°,δ77.00000°,λ-161.00000°. Principal axes: T 6.3710,Plg4.0000°,Azm111.0000°; N 0.1630,Plg67.0000°,Azm12.0000° ; P -6.5280,Plg22.0000°,Azm203.0000° $M_0$6.45000×10^{16}

(145) Southern Chile-Argentina border region

ISC	**X**	**13 07 55 29.6–.43**	**50.28S–.02**	**72.25W–.05**	**7–2**	**5.3b,5.0s**	**653**	**1-178**
SJA	X	13 07 55 25.6–13	50.31S	72.23W	10	5.5L,5.5W		**¶621146567**
NEIC	X	13 07 55 29.2–1.7	50.32S–.04	72.3W–.10	10–1	5.4,5.4		
GUC	X	13 07 55 29.8–.56	50.29S	72.26W	24–5	5.5L,5.4		
IDC	X	13 07 55 29.3–.36	50.27S	72.18W	0	5.2b,5.2		
GFZ	X	13 07 55 30.8–.27	50S–2.0	72W–6.0	10	6.0L,5.9b		
VAO	X	13 07 55 30.7–.32	50.29S	72.27W	10	5.3b,5.9b		
GFZ	X	13 07 55 31.5	50.33S	72.28W	10	5.4W,5.9b		
MOS	X	13 07 55 31.1–1.1	50.18S	72.00W	17	5.7b,4.9s		
GCMT	X	13 07 55 33.2–.10	50.40S–.01	72.33W–.01	12	5.5W,4.9s		

ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.92 $M_{\theta\theta}$0.62 $M_{\phi\phi}$-1.54 $M_{r\theta}$0.27 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.45 NP1: ϕ_s167.88044°,δ41.74797°,λ47.46030°. NP2:ϕ_s38.76682°,δ60.61943°,λ121.10679°. Principal axes: T 1.0783,Plg60.9825°,Azm357.6272°; N 0.7610,Plg26.7556°,Azm202.2763° ; P -1.8393,Plg10.4074°,Azm106.9632° $M_0$1.60072×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110130755A. Moment Tensor Solution. s101,c156; s142,c266;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.02 $M_{\theta\theta}$0.64±.02; $M_{\phi\phi}$-1.83±.02; $M_{r\theta}$0.63±.06; $M_{\theta\phi}$-0.77±.02; $M_{\phi r}$-0.36±.06; Best double couple: NP1: ϕ_s48.00000°,δ53.00000°,λ140.00000°. NP2:ϕ_s165.00000°,δ59.00000°,λ44.00000°. Principal axes: T 1.7580,Plg52.0000°,Azm19.0000°; N 0.3060,Plg38.0000°,Azm193.0000° ; P -2.0590,Plg3.0000°,Azm285.0000° $M_0$1.90900×10^{17}

(153) South Sandwich Islands region

ISC	**X**	**13 09 49 08.7–.33**	**58.57S–.07**	**25.17W–.08**	**28**	**4.7b,3.9s**	**153**	**8-155**
IDC	X	13 09 49 04.5–.49	58.53S	25.16W	0	5.0L,4.5b		**¶621146900**
GFZ	X	13 09 49 05.7–.30	59S–6.0	25W–7.0	10	6.6b,6.4		
NEIC	X	13 09 49 09.9–1.1	58.6S–.10	25.1W–.10	35–2	4.9b,6.4		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(400) Central Mediterranean Sea

ISC	**X**	**13 18 22 53.8–.62**	**36.04N–.03**	**21.66E–.03**	**32–4**	**4.4b,3.6s**	**627**	**1-126**
MOS	X	13 18 22 49.3–1.3	36.08N	21.61E	11	4.7b,3.6s		**¶621147923**
NEIC	X	13 18 22 51.2–1.6	36.06N–.07	21.73E–.06	10–1	4.4b,3.6s		
GFZ	X	13 18 22 52.0–.26	36N–3.0	22E–2.0	10	5.0b,4.7		
MCSM	X	13 18 22 53.7–2.6	36N–5.0	22E–4.0	25–26	5.5b,5.0		
BEO	X	13 18 22 53.2–.70	36.13N	21.52E	0	3.9L,5.0		
IDC	X	13 18 22 54.5–1.7	36.07N	21.78E	34–14	4.2b,4.2		
PDG	X	13 18 22 54.7–.72	36.01N	21.68E	34–3	4.3L,4.2		
NAO	X	13 18 22 55.1	36.07N	21.78E	33	3.6b,4.2		
THE	X	13 18 22 55.3	36N–3.0	22E–4.0	18–14	4.1,4.1		
ATH	X	13 18 22 55.5	36.05N	21.77E	22–8	4.1L,4.1		

ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=3.8km az=70.8.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.9km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BEO Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=8.1km az=14.0.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=2.0km az=0.0.
NAO Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/13 18:24:08, This location: 2021/10/13 19:03:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

(428) Southwest Indian Ridge

ISC	**X**	**14 03 47 04.9–.25**	**36.34S–.04**	**52.45E–.05**	**10**	**5.2b,4.4s**	**464**	**10-172**
IDC	X	14 03 47 02.9–.38	36.29S	52.58E	0	4.9L,4.9b		**¶621148707**
BJI	X	14 03 47 03.0	36.30S	52.40E	10	5.4b,5.1b		
NEIC	X	14 03 47 04.9–1.6	36.32S–.08	52.4E–.10	10–1	5.3,5.3b		
NEIC	X	14 03 47 04.9	36.32S	52.43E	10	5.3,5.3b		
GFZ	X	14 03 47 05.5–.19	36S–3.0	52E–4.0	10	5.7b,5.3		
GFZ	X	14 03 47 05.5	36.31S	52.47E	10	5.1W,5.3		
GCMT	X	14 03 47 06.2–.10	36.36S–.01	52.32E–.01	12	5.2W,5.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.36 $M_{\theta\theta}$1.78 $M_{\phi\phi}$1.58 $M_{r\theta}$1.07 $M_{\theta\phi}$7.75 $M_{\phi r}$-0.90 NP1:ϕ_s267.97000°,δ74.51000°,λ-17.03000°. NP2:ϕ_s2.65000°,δ73.60000° ,λ-163.83000°. Principal axes: T 9.4346,Plg1.0000°,Azm315.0000°; N -2.7730,Plg67.0000° ,Azm47.0000°; P -6.6616,Plg23.0000°,Azm225.0000° $M_0$8.40000×10^{16}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.37 $M_{\theta\theta}$0.98 $M_{\phi\phi}$4.38 $M_{r\theta}$-0.05 $M_{\theta\phi}$3.67 $M_{\phi r}$-1.38 NP1: ϕ_s222.30778°,δ40.24831°,λ-75.52038°. NP2:ϕ_s23.61507°,δ51.27530°,λ-101.95074°. Principal axes: T 6.8418,Plg5.5865°,Azm122.0751°; N -1.2427,Plg9.2968°,Azm31.1577° ; P -5.5991,Plg79.1282°,Azm242.6915° $M_0$6.31286×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110140347A. Moment Tensor Solution. s83,c136; s134,c236;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.47±.01 $M_{\theta\theta}$0.25±.01; $M_{\phi\phi}$0.22±.01; $M_{r\theta}$0.23±.03; $M_{\theta\phi}$0.81±.01; $M_{\phi r}$0.00±.04; Best double couple: NP1:ϕ_s6.00000° ,δ59.00000°,λ-155.00000°. NP2:ϕ_s263.00000°,δ69.00000°,λ-33.00000°. Principal axes: T 1.0600,Plg6.0000°,Azm316.0000°; N -0.3630,Plg51.0000°,Azm54.0000° ; P -0.6980,Plg38.0000°,Azm221.0000° $M_0$0.87900×10^{17}

(266) Northern Molucca Sea

ISC	**X**	**14 15 16 29.6–.20**	**1.23N–.02**	**126.14E–.03**	**46–1**	**5.8b,5.0s**	**2050**	**1-176**
BJI	X	14 15 16 25.9	0.89N	126.15E	45	5.7b,5.4b		**¶621186226**
GFZ	X	14 15 16 26.4	1.28N	126.12E	47	5.6W,5.4b		
IDC	X	14 15 16 28.9–1.3	1.22N	126.04E	33–9	5.6,5.5b		
MOS	X	14 15 16 28.4–.97	1.28N	126.04E	42	6.1b,5.5b		
NEIC	X	14 15 16 29	1.22N	126.15E	34	6.1b,5.5b		
IPGP	X	14 15 16 29.0	1.21N	126.18E	52	5.6W,5.5b		
NEIC	X	14 15 16 29.4	1.21N	126.17E	38	5.6W,5.5b		
NEIC	X	14 15 16 29.9	1.41N	126.57E	36	5.5,5.5b		
GFZ	X	14 15 16 29.7–.39	1N–2.0	126E–2.0	40–3	6.1b,6.0		
NEIC	X	14 15 16 29.8–1.9	1.24N–.05	126.16E–.04	41–1	5.9b,5.5		
DJA	X	14 15 16 29.6–.10	1N–1.0	126E–1.0	38–1	6.1b,6.0		
PTWC	X	14 15 16 32	1.20N	126.20E	69	5.7,6.0		
GCMT	X	14 15 16 33.0–.10	1.32N–.01	126.13E–.01	41–0	5.6W,6.0		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.70 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-2.55 $M_{r\theta}$-0.60 $M_{\theta\phi}$-0.79 $M_{\phi r}$-0.45 NP1: ϕ_s205.58925°,δ51.91620°,λ101.29315°. NP2:ϕ_s7.64972°,δ39.47793°,λ75.96940°. Principal axes: T 2.8393,Plg79.0965°,Azm162.6479°; N 0.0121,Plg8.8669°,Azm18.5672° ; P -2.8514,Plg6.2946°,Azm287.5812° $M_0$2.84534×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s36.00000°,δ42.00000°,λ108.00000°. NP2:ϕ_s193.00000° ,δ50.00000°,λ75.00000°.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}9 Moment tensor: Scale 10^{17}Nm; M_{rr}2.50 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-2.57 $M_{r\theta}$0.16 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.24 NP1:ϕ_s4.56000°,δ42.49000°,λ95.66000°. NP2:ϕ_s176.90000°,δ47.76000°,λ84.83000°. Principal axes: T 2.5239,Plg85.0000° ,Azm35.0000°; N 0.0598,Plg4.0000°,Azm180.0000°; P -2.5837,Plg3.0000°,Azm271.0000° $M_0$2.55000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.54 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-2.47 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.69 $M_{\phi r}$0.06 NP1:ϕ_s21.42000°,δ46.94000°,λ98.99000°. NP2:ϕ_s188.38000°,δ43.81000° ,λ80.51000°. Principal axes: T 2.5779,Plg83.0000°,Azm2.0000°; N 0.0792,Plg7.0000° ,Azm195.0000°; P -2.6571,Plg2.0000°,Azm105.0000° $M_0$2.62000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110141516A. Moment Tensor Solution. s143,c268; s150,c307;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.80±.04 $M_{\theta\theta}$0.07±.03; $M_{\phi\phi}$-2.87±.03; $M_{r\theta}$-0.31±.03; $M_{\theta\phi}$-1.46±.02; $M_{\phi r}$-0.81±.04; Best double couple: NP1: ϕ_s23.00000°,δ37.00000°,λ91.00000°. NP2:ϕ_s202.00000°,δ53.00000°,λ89.00000°. Principal axes: T 2.9190,Plg82.0000°,Azm108.0000°; N 0.6740,Plg1.0000°,Azm202.0000° ; P -3.5900,Plg8.0000°,Azm292.0000° $M_0$3.25500×10^{17}

(266) Northern Molucca Sea

ISC	**X**	**14 15 32 06.6–.90**	**1.24N–.04**	**126.23E–.04**	**56–9**	**4.4b**	**150**	**1-94**
IDC	X	14 15 32 00.0–.53	1.20N	126.11E	0	4.3b,4.2		**¶621196187**
DJA	X	14 15 32 04.5–.20	1N–2.0	126E–1.0	10	5.5b,5.0		
NEIC	X	14 15 32 06.3–1.4	1.20N–.06	126.19E–.05	54–7	4.4b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(658) Northeastern China

ISC	**X**	**14 21 10 01.4–.30**	**44.20N–.03**	**120.20E–.03**	**10**	**4.4b,3.8s**	**209**	**3-98**
IDC	X	14 21 09 59.5–.47	44.08N	120.22E	0	4.1,4.0L		**¶621196195**
NEIC	X	14 21 10 01.7–1.3	44.21N–.06	120.17E–.09	10–1	4.4b,4.0L		
MOS	X	14 21 10 01.7–2.8	44.20N	120.10E	10	4.6b,4.0s		
BJI	X	14 21 10 02.8	44.18N	120.29E	37	5.0L,4.7b		
GFZ	X	14 21 10 02.4–.23	44N–3.0	120E–4.0	10	5.5b,5.4L		
KEA	X	14 21 10 15.8	43.47N	121.01E	3	4.8L,5.4L		

ISC Event type se.

IDC Error ellipse: s-maj=11.0km s-min=8.2km az=27.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=10.5km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.7km s-min=6.0km az=134.3.
GFZ Error ellipse: s-maj=8.2km s-min=6.4km az=68.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(193) Bougainville-Solomon Islands region

ISC	**X**	**15 02 44 59.5–.18**	**8.89S–.03**	**158.47E–.02**	**35–1**	**6.3b,6.2s**	**2129**	**2-163**
BJI	X	15 02 44 53.1	8.95S	158.50E	10	6.3s,6.2b		**¶621202367**
IDC	X	15 02 44 54.1–.28	8.85S	158.37E	0	6.0s,5.8b		
IPGP	X	15 02 44 57.0	8.88S	158.48E	43	6.4W,5.8b		
MOS	X	15 02 44 58.3–1.2	8.81S	158.32E	33	6.4b,6.1s		
NEIC	X	15 02 44 59.4	8.88S	158.49E	33	6.4b,6.1s		
NEIC	X	15 02 44 59.4	8.88S	158.49E	33	6.4b,6.1s		
NEIC	X	15 02 44 59.3–2.0	8.88S–.07	158.46E–.05	33–1	6.3,6.3b		
PTWC	X	15 02 44 59	8.90S	158.40E		6.6,6.3b		
GFZ	X	15 02 45 01.7–.13	9S–2.0	158E–2.0	44–1	6.6b,6.5L		
GFZ	X	15 02 45 01.7	8.92S	158.45E	44	6.4W,6.5L		
GCMT	X	15 02 45 05.0–.00	8.96S	158.38E	40–0	6.4W,6.5L		
NEIC	X	15 02 45 07.8	8.88S	158.39E	30	6.4,6.5L		

ISC Event type se.
IDC Error ellipse: s-maj=11.0km s-min=8.6km az=65.0.
IPGP Moment Tensor Solution. NP1:ϕ_s114.00000°,δ63.00000°,λ-14.00000°. NP2:ϕ_s210.00000° ,δ78.00000°,λ-152.00000°.
MOS Error ellipse: s-maj=7.0km s-min=5.1km az=115.2.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.3km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.50 $M_{\theta\theta}$2.55 $M_{\phi\phi}$-2.05 $M_{r\theta}$0.06 $M_{\theta\phi}$1.99 $M_{\phi r}$1.58 NP1:ϕ_s111.72000°,δ64.45000°,λ-12.48000°. NP2:ϕ_s207.18000°,δ78.75000° ,λ-153.92000°. Principal axes: T 3.3958,Plg10.0000°,Azm337.0000°; N 0.1155,Plg62.0000° ,Azm229.0000°; P -3.5113,Plg26.0000°,Azm72.0000° $M_0$3.45000×10^{18}
GFZ Error ellipse: s-maj=4.8km s-min=3.7km az=25.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.44 $M_{\theta\theta}$3.97 $M_{\phi\phi}$-2.53 $M_{r\theta}$-0.12 $M_{\theta\phi}$2.28 $M_{\phi r}$2.34 NP1: ϕ_s112.12257°,δ61.70039°,λ-21.59214°. NP2:ϕ_s212.74927°,δ71.09413°,λ-149.92611°. Principal axes: T 4.7521,Plg6.0914°,Azm340.7296°; N 0.0476,Plg54.9543°,Azm241.9781° ; P -4.7996,Plg34.3564°,Azm74.9131° $M_0$4.77602×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110150244A. Moment Tensor Solution. s172,c443; s173,c760;Duration: 3s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.28±.02 $M_{\theta\theta}$4.31±.02; $M_{\phi\phi}$-3.04±.02; $M_{r\theta}$-0.24±.02; $M_{\theta\phi}$2.66±.01; $M_{\phi r}$2.32±.03; Best double couple: NP1:ϕ_s113.00000°,δ66.00000°,λ-19.00000°. NP2:ϕ_s211.00000°,δ73.00000°,λ-154.00000°. Principal axes: T 5.2120,Plg5.0000°,Azm341.0000°; N 0.0060,Plg59.0000°,Azm243.0000° ; P -5.2270,Plg30.0000°,Azm74.0000° $M_0$5.22000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.39 $M_{\theta\theta}$4.21 $M_{\phi\phi}$-2.82 $M_{r\theta}$0.31 $M_{\theta\phi}$2.36 $M_{\phi r}$2.33 NP1:ϕ_s113.83000°,δ60.62000° ,λ-17.46000°. NP2:ϕ_s212.60000°,δ74.85000°,λ-149.45000°. Principal axes: T 5.0924,Plg9.0000°,Azm341.0000°; N -0.2092,Plg56.0000°,Azm236.0000° ; P -4.8832,Plg32.0000°,Azm77.0000° $M_0$4.99000×10^{18}

(116) Central Peru

ISC	**X**	**15 02 51 47.3–.59**	**12.72S–.07**	**71.19W–.05**	**10**	**4.5b**	**36**	**5-145**
IDC	X	15 02 51 44.9–.90	12.82S	71.30W	0	5.9s,4.4b		**¶621242028**
NEIC	X	15 02 51 47.8–2.3	12.77S–.08	71.33W–.09	10–2	4.3b,4.4b		
VAO	X	15 02 51 49.3–.82	12.82S	70.94W	10	4.2b,4.4b		

ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=8.8km az=29.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=10.4km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0. Presumed earthquake.

(122) Near coast of northern Chile

ISC	**X**	**15 12 19 49.7–1.1**	**22.41S–.02**	**70.70W–.05**	**44–11**	**3.9b**	**105**	**1-143**
SJA	X	15 12 19 45.7–2.2	22.33S	70.78W	15	4.0W,3.8L		**¶621203262**
GFZ	X	15 12 19 50.5–.34	22S–2.0	71W–5.0	46–5	5.6b,5.1		
GUC	X	15 12 19 50.9–.57	22.36S	70.61W	42–3	3.8L,5.1		
IDC	X	15 12 19 54.5–6.1	22.35S	70.49W	84–54	4.4L,3.7		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.6km s-min=10.1km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=11.0km s-min=4.6km az=94.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=50.2km s-min=28.1km az=53.0.

(705) Off west coast of northern Sumatera

ISC	**X**	**15 19 48 33.9–.72**	**1.38N–.04**	**97.06E–.04**	**25–5**	**4.6b**	**241**	**1-85**
IDC	X	15 19 48 29.4–.86	1.20N	96.90E	0	4.3b,4.3		**¶621204450**
DJA	X	15 19 48 32.3–.50	1N–2.0	97E–3.0	14–3	5.9b,5.5		
NEIC	X	15 19 48 34.3–1.7	1.41N–.03	97.04E–.04	28–3	4.5b,5.5		
GFZ	X	15 19 48 35.3–.27	1N–3.0	97E–4.0	25	5.2b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(276) Sunda Strait

ISC	**X**	**15 20 34 07.1–.62**	**6.89S–.08**	**104.29E–.06**	**35**	**4.3b**	**184**	**1-145**
IDC	X	15 20 34 04.7–.96	6.44S	104.66E	0	4.0b,4.0		**¶621204455**
GFZ	X	15 20 34 06.6–.38	7S–4.0	104E–4.0	74	6.1,6.1		
NEIC	X	15 20 34 06.0–1.8	7.16S–.07	104.10E–.07	37–8	4.4b,6.1		
DJA	X	15 20 34 09.0–.30	7S–4.0	104E–3.0	10	5.2b,4.9b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(413) Southwest of Africa

ISC	**X**	**16 17 33 16.9–.34**	**52.38S–.06**	**13.50E–.09**	**10**	**4.7b,4.3s**	**99**	**21-146**
IDC	X	16 17 33 15.6–.59	52.35S	13.49E	0	4.5b,4.5		**¶621204680**
NEIC	X	16 17 33 17.2–1.6	52.38S–.10	13.5E–.20	10–1	4.9b,4.5		
GFZ	X	16 17 33 18.1–.20	52S–3.0	13E–5.0	10	5.5b,5.0		
GCMT	X	16 17 33 19.9–.20	52.41S–.01	13.57E–.04	13–0	5.0W,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110161733A. Moment Tensor Solution. s35,c39; s97,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.16±.17 $M_{\theta\theta}$3.15±.12; $M_{\phi\phi}$0.00±.11; $M_{r\theta}$0.79±.25; $M_{\theta\phi}$-0.02±.08; $M_{\phi r}$-1.55±.36; Best double couple: NP1:ϕ_s71.00000°,δ41.00000° ,λ-123.00000°. NP2:ϕ_s292.00000°,δ56.00000°,λ-65.00000°. Principal axes: T 3.2610,Plg8.0000°,Azm4.0000°; N 0.6040,Plg21.0000°,Azm97.0000° ; P -3.8670,Plg67.0000°,Azm254.0000° $M_0$3.56400×10^{16}

(135) Near coast of central Chile

ISC	**X**	**16 18 44 60.0–1.5**	**31.65S–.02**	**72.04W–.04**	**1–9**	**4.7b,4.0s**	**282**	**1-174**
SJA	X	16 18 44 59.7–.75	31.73S	72.27W	20–17	5.0L,4.7W		**¶621204776**
VAO	X	16 18 44 59.1–.55	31.65S	72.31W	10	4.6b,4.7W		
IDC	X	16 18 45 00.6–.61	31.66S	72.07W	0	4.7b,4.5		
NEIC	X	16 18 45 01.4–1.9	31.71S–.01	72.04W–.06	10–1	4.7b,4.5		
NEIC	X	16 18 45 01.7	31.70S	72.03W	10	4.7b,4.5		
GFZ	X	16 18 45 02.9–.22	32S–1.0	72W–4.0	10	5.6b,5.1		
GUC	X	16 18 45 03.9–.60	31.71S	71.92W	31–3	4.4L,5.1		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.4km s-min=15.9km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=4.8km s-min=6.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.9km s-min=14.7km az=105.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=2.9km az=276.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.21 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-4.30 $M_{r\theta}$0.36 $M_{\theta\phi}$0.01 $M_{\phi r}$-2.16 NP1:ϕ_s4.28000°,δ31.71000°,λ97.42000°. NP2:ϕ_s175.58000°,δ58.59000° ,λ85.44000°. Principal axes: T 4.7466,Plg76.0000°,Azm72.0000°; N 0.0691,Plg4.0000° ,Azm178.0000°; P -4.8157,Plg13.0000°,Azm269.0000° $M_0$4.78000×10^{15}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0. Presumed earthquake.

(402) North Atlantic Ocean

ISC	**X**	**16 22 56 14.8–.34**	**15.59N–.06**	**50.08W–.05**	**10**	**4.9b,4.0s**	**403**	**10-174**
IDC	X	16 22 56 12.6–.48	15.64N	49.89W	0	4.7L,4.4b		**¶621204786**
NEIC	X	16 22 56 15.7–1.0	15.49N–.09	49.99W–.09	10–1	5.0b,4.4b		
GFZ	X	16 22 56 16.9–.25	16N–4.0	50W–3.0	10	5.7b,5.2		
GCMT	X	16 22 56 17.7–.20	15.67N–.01	49.82W–.01	12	5.0W,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110162256A. Moment Tensor Solution. s27,c34; s101,c164; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.49±.07 $M_{\theta\theta}$2.83±.07; $M_{\phi\phi}$-1.34±.06; $M_{r\theta}$0.90±.21; $M_{\theta\phi}$1.47±.06; $M_{\phi r}$-1.46±.20; Best double couple: NP1:ϕ_s36.00000°,δ57.00000° ,λ-151.00000°. NP2:ϕ_s289.00000°,δ66.00000°,λ-37.00000°. Principal axes: T 3.3370,Plg6.0000°,Azm344.0000°; N -0.0050,Plg47.0000°,Azm80.0000° ; P -3.3320,Plg42.0000°,Azm249.0000° $M_0$3.33400×10^{16}

(238) Ryukyu Islands

ISC	**X**	**17 02 32 07.0–.66**	**29.44N–.03**	**130.72E–.04**	**26–4**	**5.0b,4.5s**	**489**	**1-147**
BJI	X	17 02 32 02.3	29.07N	131.06E	30	5.1b,5.0s		**¶621204801**
IDC	X	17 02 32 03.7–.47	29.58N	130.61E	0	4.5b,4.5		
GFZ	X	17 02 32 05.9–.22	29N–4.0	131E–4.0	10	6.1b,5.8		
NEIC	X	17 02 32 07.6–1.6	29.46N–.04	130.62E–.07	25–4	5.1b,5.8		
NIED	X	17 02 32 07.9	29.49N	130.70E	52	5.0W,5.8		
JMA	X	17 02 32 07.9–.09	29.5N–.40	130.7E–.60	52–2	5.0W,4.8		
GCMT	X	17 02 32 10.4–.30	29.41N–.02	130.59E–.02	31–0	5.0W,4.8		
BGR	X	17 02 32 11.0	29.22N	129.62E	30	5.0b,5.0s		

ISC Event type ke.
IDC Error ellipse: s-maj=12.7km s-min=9.2km az=103.0.
GFZ Error ellipse: s-maj=9.5km s-min=6.2km az=126.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.1km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.11 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$-0.65 $M_{r\theta}$0.86 $M_{\theta\phi}$-1.49 $M_{\phi r}$3.29 NP1:ϕ_s257.00000°,δ25.00000°,λ141.00000°. NP2:ϕ_s23.00000° ,δ75.00000°,λ70.00000°. $M_0$4.15000×10^{16}
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110170232A. Moment Tensor Solution. s57,c93; s88,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.40±.16 $M_{\theta\theta}$-2.29±.12; $M_{\phi\phi}$-1.11±.12; $M_{r\theta}$1.06±.16; $M_{\theta\phi}$-2.26±.08; $M_{\phi r}$0.96±.17; Best double couple: NP1:ϕ_s235.00000°,δ35.00000° ,λ94.00000°. NP2:ϕ_s50.00000°,δ56.00000°,λ88.00000°. Principal axes: T 3.6690,Plg79.0000°,Azm311.0000°; N 0.6320,Plg2.0000°,Azm52.0000° ; P -4.3000,Plg11.0000°,Azm142.0000° $M_0$3.98400×10^{16}
BGR Event type ke.

(192) New Britain region

ISC	**X**	**17 05 18 50.9–.36**	**4.59S–.05**	**152.99E–.07**	**55**	**4.8b,3.3s**	**196**	**1-151**
IDC	X	17 05 18 43.5–.50	4.57S	152.98E	0	4.5b,4.5		**¶621204810**
BJI	X	17 05 18 50.7	4.24S	153.15E	58	4.8b,4.5		
NEIC	X	17 05 18 52.1–.91	4.61S–.08	153.03E–.09	62–7	4.7b,4.5		
GFZ	X	17 05 18 52.1–.84	5S–3.0	153E–5.0	74–9	5.5b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(221) Kuril Islands

ISC	**X**	**17 12 05 16.7–.34**	**49.10N–.04**	**156.18E–.04**	**47–2**	**5.1b,4.5s**	**1017**	**2-146**
KRSC	X	17 12 05 11.7–2.4	48.90N	156.58E	68–38	5.4L,4.5s		**¶621204854**
BJI	X	17 12 05 15.0	49.28N	156.02E	49	5.4b,5.0s		
MOS	X	17 12 05 16.8–1.2	49.22N	156.09E	61	5.1b,4.6s		
NEIC	X	17 12 05 17.0–1.0	49.24N–.09	156.0E–.10	44–6	5.0b,4.6s		
GCMT	X	17 12 05 17.5–.20	49.02N–.02	156.37E–.02	29–0	5.1W,4.6s		
GFZ	X	17 12 05 17.7–.24	49N–3.0	156E–2.0	45–2	5.7b,5.4		
IDC	X	17 12 05 18.1–1.9	49.14N	155.96E	55–16	5.1L,4.7		
BGR	X	17 12 05 24.9	50.02N	154.97E	33	5.6,5.3b		

ISC Event type ke.
KRSC Event type se. Felt [II] at Severo-Kurilsk.
MOS Error ellipse: s-maj=6.0km s-min=2.8km az=83.1.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=9.9km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110171205A. Moment Tensor Solution. s75,c105; s108,c169;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.55±.15 $M_{\theta\theta}$-0.77±.11; $M_{\phi\phi}$-3.78±.10; $M_{r\theta}$1.04±.18; $M_{\theta\phi}$-1.61±.07; $M_{\phi r}$2.38±.14; Best double couple: NP1: ϕ_s203.00000°,δ30.00000°,λ90.00000°. NP2:ϕ_s24.00000°,δ60.00000°,λ90.00000°. Principal axes: T 5.2440,Plg75.0000°,Azm294.0000°; N -0.0710,Plg0.0000°,Azm203.0000° ; P -5.1730,Plg15.0000°,Azm113.0000° $M_0$5.20800×10^{16}
GFZ Error ellipse: s-maj=7.4km s-min=4.3km az=149.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=11.8km s-min=9.5km az=143.0.
BGR Event type ke.

(222) East of Kuril Islands

ISC	**X**	**17 17 39 14.9–.30**	**49.06N–.04**	**156.13E–.04**	**46–2**	**5.1b,4.5s**	**1172**	**2-154**
KRSC	X	17 17 39 10.3–1.9	48.94N	156.46E	66–24	5.4L,4.5s		**¶621205033**
SKHL	X	17 17 39 12.5–.20	48.90N	156.40E	66–1	5.6b,4.5s		
BJI	X	17 17 39 13.2	49.28N	156.08E	50	5.3b,5.0s		
NEIC	X	17 17 39 14.6–1.2	49.15N–.10	155.9E–.20	35–1	5.1b,5.0s		
IDC	X	17 17 39 15.3–.57	49.17N	155.96E	44–5	4.7L,4.7		
GFZ	X	17 17 39 16.0–.31	49N–3.0	156E–3.0	42–2	5.7b,5.2L		
MOS	X	17 17 39 16.1–1.2	49.30N	156.08E	64	5.2b,4.8s		
GCMT	X	17 17 39 16.5–.20	49.00N–.02	156.34E–.02	27–0	5.0W,4.8s		
BGR	X	17 17 39 28.3	50.72N	153.77E	52–0	5.3b,4.8s		

ISC Event type ke.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=14.0km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.3km s-min=8.6km az=148.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=6.1km s-min=2.7km az=85.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110171739A. Moment Tensor Solution. s69,c92; s107,c165; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.12 $M_{\theta\theta}$-0.80±.08; $M_{\phi\phi}$-2.64±.08; $M_{r\theta}$1.23±.16; $M_{\theta\phi}$-1.34±.05; $M_{\phi r}$1.84±.13; Best double couple: NP1:ϕ_s205.00000°,δ29.00000° ,λ84.00000°. NP2:ϕ_s31.00000°,δ62.00000°,λ93.00000°. Principal axes: T 4.0940,Plg73.0000°,Azm308.0000°; N -0.1020,Plg3.0000°,Azm210.0000° ; P -3.9980,Plg17.0000°,Azm119.0000° $M_0$4.04600×10^{16}
BGR Event type ke.

(391) Albania

ISC	**X**	**17 20 13 30.5–.69**	**41.82N–.01**	**19.79E–.02**	**25–5**	**4.7b,3.8s**	**960**	**0-132**
BJI	X	17 20 13 22.8	41.39N	19.14E	20	5.4b,4.8b		**¶621205008**
PRU	X	17 20 13 26.4	41.34N	19.90E	20	4.4,4.8b		
IDC	X	17 20 13 26.2–.44	41.74N	19.75E	0	4.5b,4.4		
BGR	X	17 20 13 27.1–.57	41.39N	19.51E	10	4.6L,4.4		
MOS	X	17 20 13 28.9–.82	41.74N	19.58E	29	4.9b,4.4		

SKO	X	17 20 13 28.1	41.93N	19.57E	8	4.5L,4.4
NAO	X	17 20 13 29.8	41.73N	19.75E	33	4.0b,4.4
THE	X	17 20 13 29.8	42N–5.0	20E–5.0	3–10	4.2,4.2
RHSSO	X	17 20 13 29.5–.67	41.76N	19.83E	8–2	4.7L,4.2
ROM	X	17 20 13 29.9–.05	41.827N–.00	19.696E–.01	22–0	4.7L,4.2
PDG	X	17 20 13 30.7–.16	41.86N	19.77E	10–0	4.4,4.3L
BEO	X	17 20 13 30.3–.30	41.79N	19.77E	11–1	4.3L,4.3L
TIR	X	17 20 13 30.1–2.5	41.83N	19.78E	22–9	4.5L,4.2W
MED_R	X	17 20 13 30.0	41.83N	19.78E	35	4.5W,4.2W
GFZ	X	17 20 13 30.3–.43	42N–2.0	20E–2.0	21–3	6.5,6.4
MCSM	X	17 20 13 30.3–1.2	42N–2.0	20E–2.0	13–9	5.1b,4.8
SOF	X	17 20 13 30.3	41.79N–.03	19.77E–.09	13–8	4.7,4.8
GFZ	X	17 20 13 30.3	41.88N	19.72E	21	4.3W,4.8
NEIC	X	17 20 13 31.5–1.9	41.79N–.02	19.66E–.06	30–5	4.6b,4.4
NEIC	X	17 20 13 31	41.82N	19.69E	26	4.6b,4.4
BGS	X	17 20 13 31.3–2.0	42.10N	20.02E	30	4.6b,4.4

ISC Event type ke.
IDC Error ellipse: s-maj=8.7km s-min=7.5km az=163.0.
BGR Event type ke. Error ellipse: s-maj=22.0km s-min=10.0km az=54.0.
MOS Error ellipse: s-maj=4.6km s-min=2.6km az=83.4.
NAO Event type se. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.5km az=56.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=4.4km s-min=7.9km az=-1.0. Presumed earthquake.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}3.74±.51 $M_{\theta\theta}$0.48±.32; $M_{\phi\phi}$0.00±.34; $M_{r\theta}$3.44±.21; $M_{\theta\phi}$2.82±.22; $M_{\phi r}$-0.96±.19; NP1: ϕ_s4.00000°,δ40.00000°,λ141.00000°. NP2:ϕ_s126.00000°,δ66.00000°,λ57.00000°. Principal axes: T 5.9700,Plg56.0000°,Azm352.0000°; N 0.1700,Plg30.0000°,Azm141.0000° ; P -6.1400,Plg14.0000°,Azm240.0000° $M_0$6.06000×10^{15}
GFZ Error ellipse: s-maj=5.1km s-min=4.1km az=46.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SOF Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.26 $M_{\theta\theta}$1.33 $M_{\phi\phi}$-1.60 $M_{r\theta}$2.55 $M_{\theta\phi}$1.41 $M_{\phi r}$-0.29 NP1: ϕ_s111.17744°,δ86.04489°,λ50.17466°. NP2:ϕ_s16.44916°,δ39.98870°,λ173.83850°. Principal axes: T 3.5705,Plg36.1952°,Azm347.0410°; N -0.6865,Plg39.7116°,Azm114.4694° ; P -2.8840,Plg29.5374°,Azm232.5443° $M_0$3.28156×10^{15}
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=0.7km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.90 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-2.03 $M_{r\theta}$2.15 $M_{\theta\phi}$2.38 $M_{\phi r}$1.00 NP1:ϕ_s112.27000°,δ58.47000°,λ50.01000°. NP2:ϕ_s350.32000°,δ49.22000° ,λ136.33000°. Principal axes: T 4.4714,Plg56.0000°,Azm327.0000°; N -0.5203,Plg33.0000° ,Azm136.0000°; P -3.9510,Plg5.0000°,Azm229.0000° $M_0$4.24000×10^{15}
NEIC Event type se.
BGS Event type se. Error ellipse: s-maj=796.4km s-min=853.6km az=-1.0. Presumed earthquake.

(307) Sichuan

ISC	**X**	**18 00 37 00.7–.32**	**29.30N–.03**	**104.02E–.04**	**10**	**4.5b,3.5s**	**224**	**2-100**
IDC	X	18 00 36 58.3–.56	29.23N	104.05E	0	4.2L,4.2b		**¶621205070**
MOS	X	18 00 36 58.7–.99	29.25N	104.14E	11	4.5b,4.2b		
GFZ	X	18 00 36 58.6–.28	29N–5.0	104E–4.0	10	6.1b,5.8		
BJI	X	18 00 37 00.6	29.28N	103.95E	10	4.9b,4.5b		
NEIC	X	18 00 37 01.3–1.4	29.25N–.06	104.11E–.09	10–1	4.6b,4.5b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**X**	**18 02 01 19.7–.56**	**38.19N–.04**	**141.70E–.06**	**48–3**	**4.5b,3.2s**	**197**	**0-146**
NIED	X	18 02 01 19.9	38.17N	141.69E	52	4.0W,3.2s		**¶621206654**
MOS	X	18 02 01 19.6–.93	38.26N	141.63E	59	4.8b,3.2s		
JMA	X	18 02 01 19.9–.08	38.2N–.20	141.7E–.30	52–0	4.3,4.1		
GFZ	X	18 02 01 20.3–.63	38N–5.0	142E–8.0	72–3	5.6b,5.1		
IDC	X	18 02 01 22.3–1.8	38.24N	141.75E	71–15	4.1,3.8b		
NEIC	X	18 02 01 23.2–1.6	38.28N–.07	141.54E–.04	71–6	4.6b,3.8b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.89 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.67 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.63 NP1:ϕ_s209.00000°,δ25.00000°,λ91.00000°. NP2:ϕ_s28.00000° ,δ65.00000°,λ90.00000°. $M_0$1.13000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(143) Off coast of southern Chile

ISC	**X**	**18 18 32 16.1–.41**	**45.66S–.05**	**77.03W–.07**	**10**	**4.7b,4.3s**	**165**	**3-177**
IDC	X	18 18 32 14.8–.68	45.78S	77.12W	0	4.3s,4.1b		**¶621208899**
NEIC	X	18 18 32 15.7–1.8	45.68S–.07	77.1W–.20	10–1	4.7b,4.1b		
GCMT	X	18 18 32 15.4–.20	45.73S–.01	77.41W–.02	17–1	5.0W,4.1b		
GFZ	X	18 18 32 18.1–.31	46S–2.0	77W–5.0	10	5.7b,5.6		
GUC	X	18 18 32 20.3–.66	45.23S	76.57W	6–10	3.7L,5.6		

ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=14.3km az=100.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.8km az=266.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110181832A. Moment Tensor Solution. s39,c56; s120,c182; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.10±.11 $M_{\theta\theta}$1.84±.11; $M_{\phi\phi}$-1.94±.10; $M_{r\theta}$-0.59±.27; $M_{\theta\phi}$-3.88±.09; $M_{\phi r}$-0.47±.26; Best double couple: NP1:ϕ_s347.00000° ,δ81.00000°,λ-4.00000°. NP2:ϕ_s77.00000°,δ86.00000°,λ-171.00000°. Principal axes: T 4.2810,Plg3.0000°,Azm212.0000°; N 0.1960,Plg80.0000°,Azm101.0000° ; P -4.4780,Plg9.0000°,Azm302.0000° $M_0$4.37900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=8.9km s-min=10.8km az=-1.0. Presumed earthquake.

(371) Eastern Mediterranean Sea

ISC	**X**	**19 05 32 32.8–.23**	**34.59N–.02**	**28.35E–.02**	**44–1**	**5.9b,5.4s**	**2549**	**1-169**
BGR	X	19 05 32 18.7	33.86N	29.33E	33	6.4,6.1b		**¶621211187**
PTWC	X	19 05 32 28	34.30N	28.10E		6.0,6.1b		
BJI	X	19 05 32 28.2	34.35N	27.92E	42	6.1b,5.9b		
NAO	X	19 05 32 29.9	34.60N	28.30E	33	6.5b,5.9b		
GFZ	X	19 05 32 29.7–.28	34N–2.0	28E–1.0	19–1	6.5b,6.4L		
ISK	X	19 05 32 30.5	34.54N	28.34E	81–0	6.1L,6.4L		
IDC	X	19 05 32 32.0–1.2	34.65N	28.28E	33–8	5.9,5.7b		
MOS	X	19 05 32 31.7–.95	34.70N	28.27E	44	6.3b,5.7b		
NIC	X	19 05 32 31.9	34.51N	28.46E	34–34	6.1L,5.7b		
ISC-P	X	19 05 32 32	34.58N	28.40E	36–0	5.8,5.7b		
NEIC	X	19 05 32 32.7–1.1	34.58N–.05	28.40E–.05	44–3	5.9,5.9b		
NEIC	X	19 05 32 32.6	34.59N	28.39E	41	5.9,5.9b		
GFZ	X	19 05 32 32.0	34.55N	28.27E	24	5.9W,5.9b		
MED_R	X	19 05 32 32.0	34.60N	28.30E	28	5.9W,5.9b		
GCMT	X	19 05 32 32.1–.10	34.40N	28.38E	26–0	5.9W,5.9b		
MCSM	X	19 05 32 32.2–.40	35N–4.0	28E–3.0	37–2	6.3b,6.0b		
NEIC	X	19 05 32 32.6	34.59N	28.39E	41	6.3b,6.0b		
GII	X	19 05 32 33.5–.00	34.33N	28.63E	0	5.7,6.0b		
ATH	X	19 05 32 35.0	34.71N	28.25E	58–17	6.1L,6.0b		
PDG	X	19 05 32 35.4–.58	34.65N	28.28E	50–12	6.1,6.0L		
THE	X	19 05 32 35.3	35N–5.0	28E–4.0	61	7.5b,5.9		
AFAD	X	19 05 32 35.0	34.72N	28.33E	36–331	6.0L,5.9		
NEIC	X	19 05 32 39.1	34.49N	28.03E	36	5.9,5.9		

ISC Event type ke.
BGR Event type ke.
NAO Event type se. Presumed earthquake.
GFZ Error ellipse: s-maj=4.3km s-min=2.5km az=22.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISK Event type ke.
IDC Error ellipse: s-maj=7.9km s-min=6.6km az=8.0.
MOS Error ellipse: s-maj=4.5km s-min=2.3km az=91.0.
ISC-P Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.48±.28 $M_{\theta\theta}$-0.32±.29; $M_{\phi\phi}$0.51±.15; $M_{r\theta}$-0.37±.19; $M_{\theta\phi}$-0.05±.23; $M_{\phi r}$0.25±.16; NP1:ϕ_s48.80000°,δ64.70000° ,λ314.40000°. NP2:ϕ_s162.40000°,δ49.80000°,λ-146.00000°. $M_0$7.41000×10^{17}
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.0km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.37 $M_{\theta\theta}$4.16 $M_{\phi\phi}$-3.79 $M_{r\theta}$1.02 $M_{\theta\phi}$8.71 $M_{\phi r}$1.04 NP1:ϕ_s12.04000°,δ85.96000°,λ172.98000°. NP2:ϕ_s102.53000°,δ83.00000° ,λ4.07000°. Principal axes: T 9.9533,Plg8.0000°,Azm327.0000°; N -0.5497,Plg82.0000° ,Azm162.0000°; P -9.4036,Plg2.0000°,Azm57.0000° $M_0$9.69000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.46 $M_{\theta\theta}$4.31 $M_{\phi\phi}$-0.85 $M_{r\theta}$0.82 $M_{\theta\phi}$6.73 $M_{\phi r}$0.81 NP1: ϕ_s100.64788°,δ82.10321°,λ-0.53118°. NP2:ϕ_s190.72086°,δ89.47385°,λ-172.10287°. Principal axes: T 9.0355,Plg5.2013°,Azm325.4130°; N -3.5402,Plg82.0855°,Azm194.5084° ; P -5.4953,Plg5.9489°,Azm55.9565° $M_0$7.88577×10^{17}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18} Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$0.65±.01; $M_{\phi\phi}$0.00±.01; $M_{r\theta}$-0.07±.03; $M_{\theta\phi}$0.85±.02; $M_{\phi r}$-0.05±.03; NP1: ϕ_s287.00000°,δ87.00000°,λ2.00000°. NP2:ϕ_s197.00000°,δ88.00000°,λ177.00000°. Principal axes: T 1.1100,Plg4.0000°,Azm152.0000°; N -0.1800,Plg86.0000°,Azm340.0000° ; P -0.9300,Plg1.0000°,Azm242.0000° $M_0$1.02000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110190532A. Moment Tensor Solution. s148,c302; s168,c537;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.21±.01 $M_{\theta\theta}$0.56±.01; $M_{\phi\phi}$-0.35±.01; $M_{r\theta}$0.01±.01; $M_{\theta\phi}$0.71±.01; $M_{\phi r}$0.18±.01; Best double couple: NP1:ϕ_s106.00000°,δ76.00000°,λ-8.00000°. NP2:ϕ_s198.00000°,δ82.00000°,λ-166.00000°. Principal axes: T 0.9560,Plg4.0000°,Azm331.0000°; N -0.1750,Plg74.0000°,Azm225.0000° ; P -0.7790,Plg16.0000°,Azm62.0000° $M_0$0.86800×10^{18}
NEIC Event type se.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/19 05:33:50, This location: 2021/10/19 09:25:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.22 $M_{\theta\theta}$5.38 $M_{\phi\phi}$-4.15 $M_{r\theta}$-0.01 $M_{\theta\phi}$8.71 $M_{\phi r}$-0.11 NP1:ϕ_s284.34000°,δ89.34000° ,λ-0.21000°. NP2:ϕ_s14.34000°,δ89.79000°,λ-179.34000°. Principal axes: T 10.5442,Plg0.0000°,Azm149.0000°; N -1.2238,Plg90.0000°,Azm32.0000° ; P -9.3204,Plg1.0000°,Azm239.0000° $M_0$9.99000×10^{17}

(78) Costa Rica

ISC	**X**	**19 06 32 22.3–.67**	**9.40N–.02**	**84.59W–.02**	**18–3**	**4.6b,4.4s**	**501**	**0-152**
IDC	X	19 06 32 19.2–.67	9.43N	84.49W	0	4.3b,4.3		**¶621211192**
NEIC	X	19 06 32 20.9–1.1	9.32N–.04	84.62W–.06	10–1	4.6b,4.3		
UCR	X	19 06 32 22.4–.77	9.40N	84.63W	18–3	5.1W,4.3		
GFZ	X	19 06 32 23.6–.33	10N–3.0	85W–4.0	19–2	5.6b,5.1		
CATAC	X	19 06 32 23.2–.25	9N–2.0	85W–2.0	4–1	5.5b,5.0b		
GCG	X	19 06 33 22.6–1.7	12.34N	87.51W	31	4.6,5.0b		

ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=10.4km az=51.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.6km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=2.5km s-min=1.4km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s303.70000°,δ11.17000°,λ63.26000°.
GFZ Error ellipse: s-maj=9.7km s-min=5.1km az=62.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
CATAC Event type se. Error ellipse: s-maj=5.0km s-min=1.9km az=41.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.73 $M_{\theta\theta}$-6.89 $M_{\phi\phi}$1.16 $M_{r\theta}$3.95 $M_{\theta\phi}$2.33 $M_{\phi r}$-4.28 NP1:ϕ_s127.14497° ,δ67.15593°,λ112.26678°. NP2:ϕ_s260.62055°,δ31.47771°,λ48.02936°. Principal axes: T 8.6385,Plg61.3503°,Azm71.1204°; N 0.6037,Plg20.4383°,Azm298.1128° ; P -9.2421,Plg19.1799°,Azm200.6648° $M_0$8.95555×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.33 $M_{\theta\theta}$-6.82 $M_{\phi\phi}$1.49 $M_{r\theta}$4.10 $M_{\theta\phi}$2.03 $M_{\phi r}$-4.66 NP1: ϕ_s128.22295°,δ69.24214°,λ114.47305°. NP2:ϕ_s256.12986°,δ31.67123°,λ42.45628°. Principal axes: T 8.8147,Plg58.4751°,Azm72.2950°; N 0.3751,Plg22.7912°,Azm299.0591° ; P -9.1899,Plg20.5600°,Azm199.9914° $M_0$9.00816×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.74 $M_{\theta\theta}$-6.90 $M_{\phi\phi}$1.16 $M_{r\theta}$3.95 $M_{\theta\phi}$2.33 $M_{\phi r}$-4.28 NP1: ϕ_s127.13148°,δ67.14265°,λ112.25250°. NP2:ϕ_s260.64313°,δ31.47731°,λ48.06515°. Principal axes: T 8.6458,Plg61.3687°,Azm71.1061°; N 0.5994,Plg20.4232°,Azm298.1008° ; P -9.2452,Plg19.1709°,Azm200.6626° $M_0$8.96054×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.17 $M_{\theta\theta}$-6.98 $M_{\phi\phi}$0.81 $M_{r\theta}$4.47 $M_{\theta\phi}$2.53 $M_{\phi r}$-3.62 NP1: ϕ_s122.29389°,δ65.60235°,λ105.91120°. NP2:ϕ_s267.68328°,δ28.85906°,λ58.85040°. Principal axes: T 8.5861,Plg65.6958°,Azm60.3926°; N 0.9850,Plg14.4577°,Azm295.5781° ; P -9.5711,Plg19.0994°,Azm200.4560° $M_0$9.11859×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.59 $M_{\theta\theta}$-4.51 $M_{\phi\phi}$1.93 $M_{r\theta}$6.08 $M_{\theta\phi}$2.57 $M_{\phi r}$0.83 NP1: ϕ_s81.35846°,δ77.44949°,λ64.28052°. NP2:ϕ_s327.07717°,δ28.42973°,λ152.84264°. Principal axes: T 6.9189,Plg50.8491°,Azm322.2788°; N 1.4218,Plg25.0618°,Azm87.3339° ; P -8.3307,Plg27.9160°,Azm191.6789° $M_0$7.72313×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.49 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-0.95 $M_{r\theta}$0.53 $M_{\theta\phi}$0.46 $M_{\phi r}$-0.29 NP1: ϕ_s128.43711°,δ72.45281°,λ44.75182°. NP2:ϕ_s21.79620°,δ47.83425°,λ155.99868°. Principal axes: T 1.0166,Plg43.4603°,Azm354.6625°; N 0.1936,Plg42.6189°,Azm145.3524° ; P -1.2102,Plg15.1578°,Azm249.7869° $M_0$1.12592×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.15 $M_{\theta\theta}$-4.43 $M_{\phi\phi}$-1.72 $M_{r\theta}$4.16 $M_{\theta\phi}$4.35 $M_{\phi r}$-4.28 NP1: ϕ_s133.52088°,δ65.63382°,λ97.10047°. NP2:ϕ_s296.72043°,δ25.31892°,λ74.73440°. Principal axes: T 8.4485,Plg68.5774°,Azm57.3665°; N 1.3639,Plg6.4652°,Azm310.5790° ; P -9.8124,Plg20.3317°,Azm218.1724° $M_0$9.20649×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.58 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.65 $M_{\theta\phi}$0.57 $M_{\phi r}$-0.62 NP1: ϕ_s133.43417°,δ70.63998°,λ93.71918°. NP2:ϕ_s302.34000°,δ19.70056°,λ79.54044°. Principal axes: T 1.0099,Plg64.1746°,Azm49.4780°; N 0.2918,Plg3.5086°,Azm312.1997° ; P -1.3017,Plg25.5507°,Azm220.5200° $M_0$1.18308×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.74 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.60 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.73 NP1: ϕ_s140.40799°,δ68.25127°,λ94.72690°. NP2:ϕ_s307.82819°,δ22.23211°,λ78.32876°. Principal axes: T 1.1536,Plg66.4266°,Azm58.7860°; N 0.3234,Plg4.3897°,Azm318.6531° ; P -1.4770,Plg23.1120°,Azm226.7756° $M_0$1.34481×10^{16}
GCG Event type se. Error ellipse: s-maj=227.2km s-min=18.8km az=-1.0. Presumed earthquake.

(173) Tonga Islands

ISC	**X**	**19 10 28 44.7–.59**	**21.26S–.05**	**175.65W–.04**	**11–3**	**5.2s,5.0b**	**457**	**7-160**
BJI	X	19 10 28 43.7	21.28S	175.86W	9	5.9b,5.2s		**¶621213179**
GFZ	X	19 10 28 45.0–.15	21S–3.0	176W–3.0	10	5.9b,5.5		
NEIC	X	19 10 28 45.1–1.0	21.16S–.09	175.66W–.08	10–1	5.5,5.3		
NEIC	X	19 10 28 45.9	21.23S	175.79W	10	5.5,5.3		
NEIC	X	19 10 28 45.1	21.16S	175.66W	10	5.5,5.3		
GFZ	X	19 10 28 46.0	21.24S	175.79W	19	5.5W,5.3		
NOU	X	19 10 28 46.2	20.58S	175.34W	45	4.7b,5.3		
MOS	X	19 10 28 46.5–1.7	21.11S	175.71W	25	5.1s,5.1b		
GCMT	X	19 10 28 48.6–.10	21.17S	175.67W	12	5.5W,5.1b		
NEIC	X	19 10 28 48.7	21.06S	175.66W	22	5.6,5.1b		
IDC	X	19 10 28 49.0–2.9	21.16S	175.82W	37–23	5.0s,4.6		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.6km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.49 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-1.23 $M_{r\theta}$0.02 $M_{\theta\phi}$0.62 $M_{\phi r}$-1.64 NP1:ϕ_s318.74000°,δ24.41000°,λ59.24000°. NP2:ϕ_s171.91000°,δ69.20000° ,λ103.07000°. Principal axes: T 2.2831,Plg64.0000°,Azm103.0000°; N -0.1140,Plg12.0000° ,Azm347.0000°; P -2.1692,Plg23.0000°,Azm252.0000° $M_0$2.23000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.74 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$-2.26 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.14 $M_{\phi r}$-0.02 NP1: ϕ_s185.76482°,δ45.29245°,λ91.80612°. NP2:ϕ_s3.19831°,δ44.73630°,λ88.17627°. Principal axes: T 2.7415,Plg88.6867°,Azm172.2629°; N -0.4731,Plg1.2835°,Azm4.4940°

; P -2.2684,Plg0.2781°,Azm274.4878° $M_0$2.53827×10^{17}
NOU Tonga Islands.
MOS Error ellipse: s-maj=9.9km s-min=9.5km az=85.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110191028A. Moment Tensor Solution. s134,c263; s160,c299;Duration: 1$\hat{s}$4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.52±.02 $M_{\theta\theta}$-1.18±.02; $M_{\phi\phi}$-1.35±.02; $M_{r\theta}$-0.10±.04; $M_{\theta\phi}$0.40±.01; $M_{\phi r}$-0.53±.04; Best double couple: NP1: ϕ_s316.00000°,δ40.00000°,λ80.00000°. NP2:ϕ_s149.00000°,δ50.00000°,λ99.00000°. Principal axes: T 2.5970,Plg82.0000°,Azm107.0000°; N -0.9050,Plg7.0000°,Azm324.0000° ; P -1.7020,Plg5.0000°,Azm233.0000° $M_0$2.15000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.96 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-1.61 $M_{r\theta}$0.43 $M_{\theta\phi}$0.28 $M_{\phi r}$-2.30 NP1:ϕ_s333.46000°,δ22.98000° ,λ80.13000°. NP2:ϕ_s164.17000°,δ67.38000°,λ94.16000°. Principal axes: T 3.9306,Plg67.0000°,Azm82.0000°; N -1.2302,Plg4.0000°,Azm343.0000° ; P -2.7004,Plg22.0000°,Azm251.0000° $M_0$3.48000×10^{17}
IDC Error ellipse: s-maj=17.5km s-min=13.6km az=130.0.

(224) Hokkaido region

ISC	**X**	**19 12 36 38.3–.24**	**41.50N–.03**	**142.88E–.03**	**44–1**	**5.4b,4.7s**	**1286**	**1-157**
BJI	X	19 12 36 35.7	41.45N	142.95E	47	5.3b,5.2b		**¶621217256**
MOS	X	19 12 36 36.9–1.0	41.47N	142.83E	44	5.6b,4.9s		
NEIC	X	19 12 36 37.6	41.50N	142.84E	36	5.6b,4.9s		
NEIC	X	19 12 36 37.8–.99	41.51N–.05	142.83E–.09	38–4	5.4b,5.2		
JMA	X	19 12 36 39.5–.10	41.5N–.40	142.9E–.50	38–1	5.4,5.3W		
NIED	X	19 12 36 39.5	41.54N	142.91E	38	5.3W,5.3W		
GFZ	X	19 12 36 39.4–.44	42N–4.0	143E–6.0	53–3	5.7b,5.4b		
NEIC	X	19 12 36 39.2	41.56N	142.85E	41	5.7b,5.4b		
NEIC	X	19 12 36 39.7	41.46N	143.38E	36	5.3,5.4b		
GCMT	X	19 12 36 40.7–.10	41.53N–.01	142.90E–.01	35–0	5.3W,5.4b		
GFZ	X	19 12 36 40.2	41.55N	142.86E	39	5.3W,5.4b		
IDC	X	19 12 36 41.7–1.2	41.50N	142.76E	66–9	5.1,4.9b		
BGR	X	19 12 36 42.3	42.10N	142.87E	33	5.2b,4.9s		

ISC Event type ke.
MOS Error ellipse: s-maj=5.4km s-min=3.6km az=110.2.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.0km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.59 $M_{\theta\theta}$3.58 $M_{\phi\phi}$3.02 $M_{r\theta}$-2.79 $M_{\theta\phi}$-4.11 $M_{\phi r}$-0.68 NP1:ϕ_s114.52000°,δ54.46000°,λ-113.70000°. NP2:ϕ_s331.57000° ,δ41.84000°,λ-60.64000°. Principal axes: T 7.6038,Plg7.0000°,Azm221.0000° ; N 0.0059,Plg19.0000°,Azm129.0000°; P -7.6097,Plg70.0000°,Azm330.0000° $M_0$7.61000×10^{16}
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83 $M_{\theta\theta}$0.77 $M_{\phi\phi}$0.07 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.51 $M_{\phi r}$0.28 NP1:ϕ_s142.00000°,δ44.00000°,λ-52.00000°. NP2:ϕ_s274.00000° ,δ57.00000°,λ-121.00000°. $M_0$1.06000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87 $M_{\theta\theta}$0.75 $M_{\phi\phi}$0.12 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.45 $M_{\phi r}$0.32 NP1:ϕ_s139.62000°,δ45.85000° ,λ-55.43000°. NP2:ϕ_s274.93000°,δ53.79000°,λ-120.31000°. Principal axes: T 0.9925,Plg4.0000°,Azm26.0000°; N 0.0742,Plg24.0000°,Azm294.0000° ; P -1.0667,Plg66.0000°,Azm125.0000° $M_0$1.03000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110191236A. Moment Tensor Solution. s109,c177; s140,c252;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67±.02 $M_{\theta\theta}$0.89±.01; $M_{\phi\phi}$-0.21±.01; $M_{r\theta}$0.23±.02; $M_{\theta\phi}$-0.53±.01; $M_{\phi r}$0.41±.02; Best double couple: NP1: ϕ_s144.00000°,δ54.00000°,λ-41.00000°. NP2:ϕ_s261.00000°,δ58.00000°,λ-136.00000°. Principal axes: T 1.1030,Plg2.0000°,Azm21.0000°; N -0.0690,Plg38.0000°,Azm290.0000° ; P -1.0330,Plg52.0000°,Azm114.0000° $M_0$1.06800×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.66 $M_{\theta\theta}$7.82 $M_{\phi\phi}$0.85 $M_{r\theta}$2.04 $M_{\theta\phi}$-3.86 $M_{\phi r}$2.51 NP1: ϕ_s132.20674°,δ45.45486°,λ-62.50691°. NP2:ϕ_s275.63542°,δ50.78660°,λ-115.12799°. Principal axes: T 9.5788,Plg2.8072°,Azm23.1307°; N 0.2161,Plg19.2088°,Azm292.1519° ; P -9.7949,Plg70.5711°,Azm121.1215° $M_0$9.68862×10^{16}
IDC Error ellipse: s-maj=10.0km s-min=7.9km az=94.0.
BGR Event type ke.

(196) Irian Jaya region

ISC	**X**	**19 13 03 35.1–.46**	**4.08S–.05**	**135.90E–.04**	**10**	**4.0b**	**77**	**1-149**
IDC	X	19 13 03 34.5–.67	3.95S	135.77E	0	4.1L,4.0		**¶621244081**
DJA	X	19 13 03 36.3–1.5	4S–3.0	136E–2.0	13–13	5.5b,5.0		
NEIC	X	19 13 03 37.2–1.3	4.03S–.08	135.82E–.06	16–4	4.3b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(131) Tucuman Province

ISC	**X**	**19 18 37 56.7–1.0**	**27.69S–.02**	**71.19W–.04**	**30–7**	**4.5b,3.5s**	**202**	**1-152**
CATAC	X	19 18 37 13.4–1.5	28S–6.0	66W–15	10	6.6b,6.4		**¶621217286**
IDC	X	19 18 37 53.1–.69	27.65S	71.08W	0	4.1b,4.1		
SJA	X	19 18 37 55.8–.80	27.68S	71.15W	31–5	4.7L,4.4W		
NEIC	X	19 18 37 55.7	27.69S	71.25W	17	4.7L,4.4W		
NEIC	X	19 18 37 56.2–1.9	27.68S–.03	71.20W–.04	20–5	4.5b,4.2		
GUC	X	19 18 37 57.0–.69	27.75S	71.09W	36–3	4.1L,4.2		
GFZ	X	19 18 37 58.3–.22	28S–2.0	71W–4.0	40	5.4b,5.0L		

ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SJA Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.81 $M_{\theta\theta}$0.37 $M_{\phi\phi}$-2.18 $M_{r\theta}$0.72 $M_{\theta\phi}$-0.29 $M_{\phi r}$-0.76 NP1:ϕ_s164.84000°,δ58.54000°,λ63.53000°. NP2:ϕ_s28.49000°,δ40.22000° ,λ126.07000°. Principal axes: T 2.2601,Plg65.0000°,Azm26.0000°; N 0.0658,Plg22.0000° ,Azm179.0000°; P -2.3259,Plg10.0000°,Azm273.0000° $M_0$2.29000×10^{15}
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(6) Rat Islands

ISC	**X**	**19 23 30 06.0–.51**	**50.25N–.04**	**178.76E–.04**	**12–2**	**4.8b,3.9s**	**580**	**1-151**
BJI	X	19 23 30 02.8	50.29N	178.73E	6	5.0b,5.0b		**¶621221474**
IDC	X	19 23 30 03.6–.49	50.13N	178.84E	0	4.8L,4.6		
MOS	X	19 23 30 04.6–.94	50.14N	178.78E	16	5.0b,4.6		
NEIC	X	19 23 30 05.9–1.4	50.29N–.05	178.75E–.10	10–1	4.9b,4.4L		
GFZ	X	19 23 30 06.7–.23	50N–6.0	178E–3.0	10	6.7b,6.5		
GCMT	X	19 23 30 08.0–.30	50.16N–.02	178.68E–.05	19–1	4.8W,6.5		
AEIC	X	19 23 30 09.6–2.6	50.39N–.03	178.6E–.10	29–3	4.8W,6.5		
KRSC	X	19 23 30 11.5–2.1	50.27N	177.78E	15–45	5.1L,6.5		

ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=10.6km az=174.0.
MOS Error ellipse: s-maj=7.9km s-min=3.8km az=132.3.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.0km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110192330A. Moment Tensor Solution. s18,c19; s91,c121; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.04±.15 $M_{\theta\theta}$1.91±.10; $M_{\phi\phi}$0.13±.08; $M_{r\theta}$-0.50±.17; $M_{\theta\phi}$-0.51±.05; $M_{\phi r}$-0.04±.21; Best double couple: NP1:ϕ_s289.00000° ,δ39.00000°,λ-83.00000°. NP2:ϕ_s100.00000°,δ52.00000°,λ-96.00000°. Principal axes: T 2.0980,Plg7.0000°,Azm194.0000°; N 0.0140,Plg4.0000°,Azm104.0000° ; P -2.1070,Plg82.0000°,Azm340.0000° $M_0$2.10300×10^{16}
AEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.8km az=99.0. hypocenter. manual.
KRSC Event type se.

(285) Sumbawa region

ISC	**X**	**20 09 21 11.9–.74**	**8.19S–.03**	**116.85E–.02**	**16–4**	**4.7b,3.5s**	**209**	**0-155**
IDC	X	20 09 21 09.3–.53	8.10S	116.93E	0	4.3b,4.3		**¶621224463**
BJI	X	20 09 21 10.1	8.28S	117.24E	12	5.1b,4.6b		
NEIC	X	20 09 21 11.5–1.6	8.26S–.07	116.79E–.06	10–1	4.8b,4.6b		
DJA	X	20 09 21 11.7–.10	8S–2.0	117E–1.0	10	5.1b,5.0b		
GFZ	X	20 09 21 13.1–.14	8S–2.0	117E–2.0	20	5.6b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(153) South Sandwich Islands region

ISC	**X**	**20 19 37 07.9–.48**	**57.78S–.06**	**25.26W–.07**	**35–2**	**4.8b,3.9s**	**205**	**7-156**
NEIC	X	20 19 37 07.9–1.7	57.80S–.09	25.4W–.20	35–1	4.9b,3.9s		**¶621224732**
GFZ	X	20 19 37 08.2–.52	58S–4.0	25W–5.0	32–4	5.8b,5.4		
IDC	X	20 19 37 09.4–4.7	57.69S	25.40W	44–42	4.5,4.4L		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.9km az=35.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=12.2km s-min=6.3km az=52.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=22.9km s-min=16.5km az=41.0.

(740) Owen Fracture Zone region

ISC	**X**	**21 23 05 35.2–.68**	**14.35N–.10**	**56.19E–.09**	**18**	**4.2b,3.5s**	**59**	**11-99**
IDC	X	21 23 05 32.0–1.3	14.38N	56.17E	0	3.9b,3.9		**¶621237618**
NEIC	X	21 23 05 34.5–.93	14.3N–.10	56.12E–.04	10–1	4.4b,3.9		
GFZ	X	21 23 05 37.9–.55	15N–6.0	56E–8.0	10	5.6b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(282) South of Jawa

ISC	**X**	**22 02 39 18.9–.35**	**9.13S–.05**	**110.48E–.05**	**51**	**4.4b,3.6s**	**241**	**1-155**
GFZ	X	22 02 39 14.2–.19	9S–2.0	110E–2.0	10	5.3b,5.0		**¶621236060**
NEIC	X	22 02 39 17.3–2.5	9.06S–.06	110.43E–.07	30–2	4.5b,5.0		
DJA	X	22 02 39 20.2–.20	9S–3.0	110E–1.0	53–4	6.2b,5.9		
IDC	X	22 02 39 21.5–1.9	8.89S	110.62E	73–16	4.3,4.0b		

ISC Event type se.
GFZ Error ellipse: s-maj=5.7km s-min=3.5km az=27.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.5km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=10.0km az=55.0.

(614) Eastern Caroline Islands region

ISC	**X**	**22 07 27 53.8–.41**	**4.40N–.03**	**147.29E–.04**	**13–2**	**5.2b,4.6s**	**668**	**6-150**
IDC	X	22 07 27 51.8–.42	4.42N	147.30E	0	5.1L,4.9		**¶621236072**
BJI	X	22 07 27 51.1	4.19N	147.42E	22	5.5b,5.1b		
DJA	X	22 07 27 52.0–.30	4N–4.0	147E–3.0	10	6.0b,5.9		
MOS	X	22 07 27 52.4–.90	4.40N	147.20E	13	5.4b,4.5s		
GFZ	X	22 07 27 53.5	4.34N	147.27E	16	5.4W,4.5s		
NEIC	X	22 07 27 53.9–1.3	4.46N–.07	147.28E–.09	10–1	5.4,5.4b		
NEIC	X	22 07 27 53.9	4.43N	147.29E	10	5.4,5.4b		
NEIC	X	22 07 27 54.1	4.42N	147.25E	10	5.4,5.4b		
GFZ	X	22 07 27 54.2–.20	4N–3.0	147E–3.0	10	5.8b,5.6		
NEIC	X	22 07 27 54.5	4.42N	147.25E	18	5.4,5.6		
GCMT	X	22 07 27 55.4–.10	4.46N–.01	147.06E	17–0	5.4W,5.6		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.85 $M_{\theta\theta}$0.43 $M_{\phi\phi}$-1.27 $M_{r\theta}$-0.59 $M_{\theta\phi}$0.62 $M_{\phi r}$-0.77 NP1: ϕ_s194.90998°,δ68.37674°,λ129.91900°. NP2:ϕ_s308.67994°,δ44.52214°,λ31.70473°. Principal axes: T 1.6032,Plg49.8824°,Azm149.6744°; N 0.0105,Plg36.6229°,Azm357.7742° ; P -1.6137,Plg14.0981°,Azm257.0155° $M_0$1.60846×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$0.25 $M_{\phi\phi}$-1.19 $M_{r\theta}$0.07 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.77 NP1:ϕ_s2.58000°,δ27.07000°,λ96.13000°. NP2:ϕ_s175.70000°,δ63.09000° ,λ86.88000°. Principal axes: T 1.1939,Plg72.0000°,Azm79.0000°; N 0.2444,Plg3.0000° ,Azm177.0000°; P -1.4382,Plg18.0000°,Azm268.0000° $M_0$1.33000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.53 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-1.44 $M_{r\theta}$-0.07 $M_{\theta\phi}$0.23 $M_{\phi r}$0.27 NP1:ϕ_s171.43000°,δ39.76000° ,λ91.34000°. NP2:ϕ_s349.69000°,δ50.25000°,λ88.89000°. Principal axes: T 1.5605,Plg85.0000°,Azm251.0000°; N -0.0593,Plg1.0000°,Azm350.0000° ; P -1.5012,Plg5.0000°,Azm80.0000° $M_0$1.53000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110220727A. Moment Tensor Solution. s106,c178; s157,c295;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98±.02 $M_{\theta\theta}$0.53±.02; $M_{\phi\phi}$-1.52±.02; $M_{r\theta}$-0.50±.04; $M_{\theta\phi}$0.58±.01; $M_{\phi r}$0.18±.04; Best double couple: NP1: ϕ_s196.00000°,δ49.00000°,λ138.00000°. NP2:ϕ_s317.00000°,δ60.00000°,λ50.00000°. Principal axes: T 1.3200,Plg55.0000°,Azm173.0000°; N 0.3840,Plg34.0000°,Azm340.0000° ; P -1.7070,Plg7.0000°,Azm74.0000° $M_0$1.51300×10^{17}

(370) Crete

ISC	**X**	**22 17 12 51.0–.58**	**35.17N–.02**	**25.31E–.01**	**13–3**	**4.2b,3.4s**	**504**	**0-125**
IDC	X	22 17 12 49.6–.72	35.25N	25.27E	0	4.0b,3.9		**¶621237002**
AFAD	X	22 17 12 50.0	34.90N	25.21E	25–182	3.9W,3.9		
ISK	X	22 17 12 50.4	35.18N	25.30E	6–0	4.0L,3.9		
ATH	X	22 17 12 50.8	35.18N	25.32E	14–0	3.9L,3.9		
NEIC	X	22 17 12 50.5–1.2	35.12N–.07	25.29E–.05	10–1	4.3b,3.9		
THE	X	22 17 12 51.0	35.2N–.60	25.3E–.40	8–1	4.0,4.0		
MCSM	X	22 17 12 51.0–.70	35N–5.0	25E–5.0	10–4	4.4b,4.3b		
GFZ	X	22 17 12 52.8–.26	35N–3.0	25E–2.0	10	5.7,5.7b		
GII	X	22 17 12 52.9–.00	34.251N–.00	25.342E–.00	0–0	4.1,5.7b		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/10/22 17:13:41, This location: 2021/10/22 17:46:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

(135) Near coast of central Chile

ISC	**X**	**23 01 45 24.8–.63**	**36.92S–.02**	**72.83W–.03**	**28–4**	**4.7b**	**295**	**0-169**
SJA	X	23 01 45 15.7–.54	37.01S	73.73W	14	4.6L,4.4W		**¶621237728**
IDC	X	23 01 45 20.6–.51	36.99S	72.75W	0	4.5,4.4b		
VAO	X	23 01 45 24.8–.50	36.79S	72.41W	10	4.7b,4.4b		
NEIC	X	23 01 45 26.9	36.95S	72.81W	41	4.7b,4.4b		
NEIC	X	23 01 45 26.5–2.5	36.95S–.05	72.81W–.04	37–4	4.7,4.7b		
GFZ	X	23 01 45 27.4–.25	37S–2.0	73W–4.0	43–2	5.9b,5.5		
GUC	X	23 01 45 27.3–.81	37.01S	72.73W	19–6	4.7L,5.5		
GFZ	X	23 01 45 29.2	36.97S	72.63W	47	4.5W,5.5		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=7.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=22.7km s-min=12.9km az=105.0.
VAO Event type se. Error ellipse: s-maj=5.2km s-min=5.9km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.3km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.55 $M_{\theta\theta}$0.32 $M_{\phi\phi}$-2.87 $M_{r\theta}$0.23 $M_{\theta\phi}$-0.75 $M_{\phi r}$-1.69 NP1:ϕ_s26.31000°,δ31.56000°,λ112.18000°. NP2:ϕ_s180.74000°,δ61.01000° ,λ76.95000°. Principal axes: T 3.0960,Plg71.0000°,Azm61.0000°; N 0.3696,Plg11.0000° ,Azm187.0000°; P -3.4656,Plg15.0000°,Azm280.0000° $M_0$3.30000×10^{15}

GFZ Error ellipse: s-maj=7.6km s-min=3.9km az=92.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.34 $M_{\theta\theta}$-5.62 $M_{r\theta}$1.00 $M_{\theta\phi}$-1.03 $M_{\phi r}$-3.19 NP1: ϕ_s175.86677°,δ60.59717°,λ75.44290°. NP2:ϕ_s23.74290°,δ32.51803°,λ114.03752°. Principal axes: T 6.4460,Plg70.6306°,Azm53.4633°; N 0.1199,Plg12.6485°,Azm183.1322° ; P -6.5659,Plg14.4240°,Azm276.4412° $M_0$6.50682×10^{15}

(6) Rat Islands

ISC	**X**	**23 03 10 01.9–.29**	**51.47N–.04**	**178.85E–.03**	**51–2**	**5.1b,4.0s**	**692**	**0-160**
AEIC	X	23 03 10 01.7–2.3	51.42N–.06	178.81E–.06	42–4	5.1b,4.0s		¶621237736
BJI	X	23 03 10 01.3	51.80N	178.51E	50	5.3b,5.2s		
GFZ	X	23 03 10 01.8–.19	52N–4.0	179E–2.0	44–1	5.6b,5.1b		
MOS	X	23 03 10 01.3–1.0	51.61N	178.87E	56	5.2b,5.1b		
NEIC	X	23 03 10 03.2–1.8	51.57N–.07	178.84E–.06	55–2	5.1b,5.1L		
IDC	X	23 03 10 03.7–1.5	51.65N	178.88E	62–11	4.8,4.5b		
GCMT	X	23 03 10 05.5–.50	51.57N–.03	178.93E–.04	57–2	4.9W,4.5b		

ISC Event type se.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110230310A. Moment Tensor Solution. s38,c42; s66,c79; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.57±.19 $M_{\theta\theta}$-2.78±.12; $M_{\phi\phi}$0.21±.15; $M_{r\theta}$0.08±.15; $M_{\theta\phi}$-1.13±.10; $M_{\phi r}$0.89±.09; Best double couple: NP1:ϕ_s270.00000°,δ45.00000° ,λ118.00000°. NP2:ϕ_s53.00000°,δ52.00000°,λ65.00000°. Principal axes: T 2.8830,Plg70.0000°,Azm261.0000°; N 0.3000,Plg20.0000°,Azm69.0000° ; P -3.1820,Plg4.0000°,Azm161.0000° $M_0$3.03300×10^{16}

(428) Southwest Indian Ridge

ISC	**X**	**23 14 17 52.7–.33**	**37.54S–.06**	**51.00E–.08**	**10**	**4.8b,3.9s**	**204**	**9-164**
IDC	X	23 14 17 49.4–.51	37.47S	51.93E	0	4.2b,4.2		¶621237885
BJI	X	23 14 17 52.7	37.40S	51.02E	10	5.4b,4.8b		
NEIC	X	23 14 17 52.8–1.6	37.52S–.09	50.9E–.10	10–1	4.9b,4.8b		
GFZ	X	23 14 17 54.0–.15	38S–3.0	51E–3.0	10	5.6b,5.0		
GCMT	X	23 14 17 56.2–.30	37.37S–.03	50.92E–.06	17–1	4.9W,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110231417A. Moment Tensor Solution. s19,c21; s94,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.72±.20 $M_{\theta\theta}$2.22±.14; $M_{\phi\phi}$0.50±.12; $M_{r\theta}$1.14±.34; $M_{\theta\phi}$0.43±.07; $M_{\phi r}$-0.04±.44; Best double couple: NP1:ϕ_s72.00000°,δ33.00000° ,λ-98.00000°. NP2:ϕ_s262.00000°,δ57.00000°,λ-84.00000°. Principal axes: T 2.5540,Plg12.0000°,Azm348.0000°; N 0.4210,Plg5.0000°,Azm79.0000° ; P -2.9760,Plg77.0000°,Azm190.0000° $M_0$2.76500×10^{16}

(248) Philippine Islands region

ISC	**X**	**23 23 08 29.8–.52**	**8.48N–.02**	**127.01E–.03**	**17–3**	**5.0b,4.2s**	**603**	**1-171**
DJA	X	23 23 08 19.1–2.5	10N–12	127E–4.0	25–16	5.6,5.4b		¶621238031
MAN	X	23 23 08 27.1	8.50N	127.18E	1	5.6b,4.9s		
GFZ	X	23 23 08 29.4–.14	9N–2.0	127E–4.0	10	5.4b,5.4L		
NEIC	X	23 23 08 29.1–1.6	8.57N–.07	127.02E–.07	10–1	5.1b,5.4L		
BJI	X	23 23 08 30.9	8.33N	126.78E	44	5.1b,4.9b		
GCMT	X	23 23 08 34.8–.20	8.44N–.02	127.15E–.01	18–0	5.0W,4.9b		
IDC	X	23 23 08 35.8–1.9	8.39N	126.83E	65–18	4.7,4.4b		

ISC Event type fe.
MAN Event type fe. INTENSITY III - LINGIG SURIGAO DEL SUR.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=11.4km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110232308A. Moment Tensor Solution. s57,c74; s113,c178; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.14 $M_{\theta\theta}$0.17±.08; $M_{\phi\phi}$-3.47±.10; $M_{r\theta}$0.10±.21; $M_{\theta\phi}$0.19±.05; $M_{\phi r}$3.40±.24; Best double couple: NP1:ϕ_s173.00000°,δ23.00000° ,λ83.00000°. NP2:ϕ_s0.00000°,δ68.00000°,λ93.00000°. Principal axes: T 4.7280,Plg67.0000° ,Azm276.0000°; N 0.1640,Plg3.0000°,Azm179.0000°; P -4.8850,Plg23.0000°,Azm88.0000° $M_0$4.80600×10^{16}
IDC Error ellipse: s-maj=17.2km s-min=9.4km az=77.0.

(266) Northern Molucca Sea

ISC	**X**	**24 03 22 10.2–.69**	**1.62N–.03**	**126.49E–.03**	**51–6**	**4.6b,3.5s**	**266**	**1-138**
DJA	X	24 03 22 08.1–.20	2N–2.0	127E–1.0	10	5.2b,5.0b		¶621238045
BJI	X	24 03 22 09.6	1.40N	126.16E	58	5.5b,4.7b		
GFZ	X	24 03 22 09.6–.25	2N–2.0	127E–2.0	52–2	5.2b,4.8b		
NEIC	X	24 03 22 10.4–1.8	1.55N–.06	126.50E–.07	46–6	4.8b,4.8b		
IDC	X	24 03 22 10.6–1.7	1.57N	126.46E	58–15	4.4,4.1b		

ISC Event type se.
GFZ Error ellipse: s-maj=5.2km s-min=3.9km az=55.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.7km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=7.6km az=79.0.

(92) Leeward Islands

ISC	**X**	**24 08 20 18.7–1.5**	**16.04N–.03**	**60.22W–.06**	**28–10**	**4.0b,3.6s**	**177**	**1-59**
IDC	X	24 08 20 14.1–1.6	16.26N	59.98W	0	3.9,3.6L		¶621238077
RSNC	X	24 08 20 17.5–.80	16N–4.0	60W–8.0	49–6	5.5b,5.0		
NEIC	X	24 08 20 20.0–1.2	16.07N–.03	60.22W–.08	34–7	4.3b,5.0		
PTWC	X	24 08 20 20	15.90N	60.30W		4.1L,5.0		
TRN	X	24 08 20 20.2	16.03N	60.20W	22	4.4,5.0		

ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=16.2km az=46.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=3.4km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN East of Guadeloupe.

(143) Off coast of southern Chile

ISC	**X**	**24 17 29 27.1–4.4**	**44.92S–.06**	**75.99W–.08**	**7–28**	**4.3b**	**92**	**2-173**
GFZ	X	24 17 29 26.3–.86	45S–5.0	76W–9.0	10	5.8b,5.4		¶621238312
IDC	X	24 17 29 26.4–1.1	44.96S	76.33W	0	4.4L,4.1		
NEIC	X	24 17 29 28.6–1.8	44.90S–.06	76.0W–.10	10–1	4.4b,4.0		
GUC	X	24 17 29 29.7–.43	44.90S	75.91W	25–6	3.6L,4.0		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=38.6km s-min=14.7km az=119.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=9.8km az=271.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=15.5km s-min=4.0km az=-1.0. Presumed earthquake.

(641) North of Svalbard

ISC	**X**	**24 17 47 52.1–.32**	**86.20N–.04**	**34.51E–.05**	**10**	**4.6b,4.0s**	**208**	**6-111**
BJI	X	24 17 47 49.2	86.30N	35.80E	10	5.1b,4.7s		¶621238304
NEIC	X	24 17 47 51.9–2.2	86.26N–.07	35E–1.0	10–1	4.6b,4.7s		
IDC	X	24 17 47 51.4–.43	86.33N	36.98E	0	4.2b,4.2		
GCMT	X	24 17 47 53.2–.20	86.27N–.01	36.9E–.30	12	4.9W,4.2		
GFZ	X	24 17 47 53.4–.24	86N–4.0	35E–4.0	10	6.0b,5.6		
FCIAR	X	24 17 47 56.0	86.20N	38.30E	10	6.0b,5.6		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.6km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.4km s-min=9.5km az=88.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110241747A. Moment Tensor Solution. s34,c42; s127,c193; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.98±.06 $M_{\theta\theta}$2.32±.06; $M_{\phi\phi}$0.65±.06; $M_{r\theta}$0.04±.21; $M_{\theta\phi}$1.05±.05; $M_{\phi r}$-0.82±.25; Best double couple: NP1:ϕ_s257.00000°,δ43.00000° ,λ-71.00000°. NP2:ϕ_s51.00000°,δ50.00000°,λ-107.00000°. Principal axes: T 2.8440,Plg3.0000°,Azm153.0000°; N 0.3170,Plg13.0000°,Azm63.0000° ; P -3.1710,Plg77.0000°,Azm257.0000° $M_0$3.00800×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
FCIAR station OMEGA has station magnitude of 3.6.

(282) South of Jawa

ISC	**X**	**25 06 52 04.6–.69**	**9.31S–.04**	**107.82E–.04**	**11–4**	**5.0b,4.5s**	**525**	**2-154**
BJI	X	25 06 52 02.4	9.30S	107.80E	10	5.1b,5.0s		¶621238490
IDC	X	25 06 52 03.9–.40	9.13S	107.98E	0	4.8b,4.8		
NEIC	X	25 06 52 04.1–.88	9.31S–.04	107.82E–.03	10–1	5.1b,4.8		
GFZ	X	25 06 52 06.0–.15	9S–2.0	108E–2.0	10	5.4b,5.0b		
DJA	X	25 06 52 06.0–1.0	9S–2.0	108E–1.0	13–7	5.5b,5.2		
GCMT	X	25 06 52 11.3–.60	9.57S–.03	107.80E–.04	22–1	4.8W,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110250652A. Moment Tensor Solution. s20,c24; s68,c78; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.68±.18 $M_{\theta\theta}$-1.86±.11; $M_{\phi\phi}$0.17±.11; $M_{r\theta}$1.23±.17; $M_{\theta\phi}$0.55±.08; $M_{\phi r}$-0.81±.22; Best double couple: NP1:ϕ_s269.00000°,δ28.00000° ,λ65.00000°. NP2:ϕ_s117.00000°,δ65.00000°,λ103.00000°. Principal axes: T 2.2530,Plg68.0000°,Azm51.0000°; N 0.2160,Plg11.0000°,Azm292.0000° ; P -2.4760,Plg19.0000°,Azm198.0000° $M_0$2.36400×10^{16}

(429) Mid-Indian Ridge

ISC	**X**	**25 17 44 22.8–.57**	**8.95S–.10**	**67.24E–.07**	**10**	**4.4b,3.9s**	**129**	**5-158**
IDC	X	25 17 44 20.7–1.1	8.98S	67.19E	0	4.1b,4.1		¶621239220
GFZ	X	25 17 44 23.5–.24	9S–5.0	67E–3.0	10	5.7b,5.2		
NEIC	X	25 17 44 24.0–1.3	8.7S–.10	67.1E–.10	10–1	4.6b,5.2		
GCMT	X	25 17 44 27.0–.30	9.05S–.02	67.30E–.01	20–1	4.9W,5.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110251744A. Moment Tensor Solution. s27,c30; s98,c140; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.26±.14 $M_{\theta\theta}$-3.02±.11; $M_{\phi\phi}$2.77±.11; $M_{r\theta}$-1.00±.23; $M_{\theta\phi}$0.49±.09; $M_{\phi r}$0.75±.23; Best double couple: NP1:ϕ_s49.00000°,δ68.00000° ,λ-1.00000°. NP2:ϕ_s140.00000°,δ89.00000°,λ-158.00000°. Principal axes: T 2.9860,Plg15.0000°,Azm272.0000°; N 0.3990,Plg68.0000°,Azm143.0000° ; P -3.3770,Plg17.0000°,Azm7.0000° $M_0$3.18200×10^{16}

(202) New Guinea

ISC	**X**	**25 22 05 10.8–.39**	**3.26S–.03**	**141.01E–.03**	**30–2**	**5.2b,4.6s**	**701**	**0-159**
IDC	X	25 22 05 06.5–.43	3.25S	141.01E	0	4.7,4.6b		¶621239242
GFZ	X	25 22 05 08.8–.16	3S–2.0	141E–3.0	10	5.7b,5.3		
GCMT	X	25 22 05 09.7–.10	3.25S–.01	141.17E–.01	12	5.3W,5.3		
MOS	X	25 22 05 09.9–.98	3.29S	140.98E	37	5.3b,5.3		
BJI	X	25 22 05 09.2	3.36S	141.22E	45	5.6b,4.9s		
DJA	X	25 22 05 10.3–.40	3S–3.0	141E–3.0	10	5.7b,5.4		
NEIC	X	25 22 05 11.8–1.8	3.22S–.06	140.94E–.06	35–4	5.4b,5.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110252205A. Moment Tensor Solution. s99,c140; s152,c258;Duration: 1ŧ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.77±.01 $M_{\theta\theta}$-0.38±.01; $M_{\phi\phi}$-0.39±.01; $M_{r\theta}$-0.28±.03; $M_{\theta\phi}$0.41±.01; $M_{\phi r}$0.69±.03; Best double couple: NP1: ϕ_s122.00000°,δ26.00000°,λ64.00000°. NP2:ϕ_s330.00000°,δ67.00000°,λ102.00000°. Principal axes: T 1.1000,Plg66.0000°,Azm261.0000°; N -0.0330,Plg11.0000°,Azm146.0000° ; P -1.0670,Plg21.0000°,Azm51.0000° $M_0$1.08300×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(39) Central California

ISC	**X**	**25 23 42 34.5–1.2**	**35.76N–.02**	**121.37W–.03**	**1–7**	**4.8b,4.1s**	**448**	**0-151**
NEIC	X	25 23 42 34.9	35.76N	121.34W	10	4.8b,4.1s		¶621239247
NCEDC	X	25 23 42 35.9–2.1	35.78N–.01	121.30W–.04	8–6	4.8b,4.1s		
NEIC	X	25 23 42 35.1–2.3	35.76N–.01	121.31W–.04	6–2	4.7b,4.7		
IDC	X	25 23 42 35.4–.48	35.70N	121.46W	0	4.6b,4.6		
GFZ	X	25 23 42 36.9–.24	36N–3.0	122W–4.0	10	5.6b,5.1		
GCMT	X	25 23 42 40.4–.40	35.86N–.03	121.39W–.04	12	4.8W,5.1		

ISC Event type se.
NEIC Event type se.
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.21 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$-0.27 $M_{r\theta}$0.24 $M_{\theta\phi}$0.54 $M_{\phi r}$-0.13 NP1:ϕ_s298.87000°,δ38.81000°,λ89.95000°. NP2:ϕ_s118.94000°,δ51.19000° ,λ90.04000°. Principal axes: T 1.2411,Plg84.0000°,Azm29.0000°; N 0.0280,Plg0.0000° ,Azm299.0000°; P -1.2691,Plg6.0000°,Azm209.0000° $M_0$1.26000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110252342A. Moment Tensor Solution. s12,c13; s90,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.79±.07 $M_{\theta\theta}$-1.44±.07; $M_{\phi\phi}$-0.35±.06; $M_{r\theta}$0.16±.27; $M_{\theta\phi}$0.82±.06; $M_{\phi r}$-1.34±.30; Best double couple: NP1:ϕ_s278.00000°,δ38.00000° ,λ51.00000°. NP2:ϕ_s144.00000°,δ62.00000°,λ116.00000°. Principal axes: T 2.4460,Plg63.0000°,Azm97.0000°; N -0.3910,Plg23.0000°,Azm311.0000° ; P -2.0590,Plg13.0000°,Azm215.0000° $M_0$2.25300×10^{16}

(694) Central East Pacific Rise

ISC	**X**	**26 04 32 44.8–.51**	**3.82S–.08**	**102.99W–.10**	**10**	**4.7b,4.0s**	**93**	**22-154**
GFZ	X	26 04 32 44.3–.28	4S–3.0	103W–5.0	10	6.9b,6.7		¶621239354
NEIC	X	26 04 32 44.6–1.5	3.88S–.09	103.1W–.10	10–1	4.8b,6.7		
IDC	X	26 04 32 45.0–.86	3.56S	102.28W	0	3.9b,3.9		
GCMT	X	26 04 32 48.3–.60	3.66S–.02	102.93W–.03	12	4.8W,3.9		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110260432A. Moment Tensor Solution. s3,c3; s81,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.20±.08 $M_{\theta\theta}$0.15±.09; $M_{\phi\phi}$-0.35±.10; $M_{r\theta}$1.52±.24; $M_{\theta\phi}$1.72±.06; $M_{\phi r}$-0.39±.25; Best double couple: NP1:ϕ_s5.00000°,δ48.00000° ,λ178.00000°. NP2:ϕ_s97.00000°,δ88.00000°,λ42.00000°. Principal axes: T 2.1570,Plg30.0000°,Azm330.0000°; N 0.3460,Plg48.0000°,Azm99.0000° ; P -2.5030,Plg27.0000°,Azm223.0000° $M_0$2.33000×10^{16}

(732) East of South Sandwich Islands

ISC	**X**	**26 05 48 42.3–.20**	**58.43S–.05**	**14.82W–.04**	**10**	**5.6b,5.5s**	**551**	**13-173**
IDC	X	26 05 48 41.0–.36	58.28S	14.76W	0	5.9L,5.4s		¶621239338
MOS	X	26 05 48 41.8–1.3	58.45S	14.91W	14	5.6b,5.3s		
IPGP	X	26 05 48 42.0	58.34S	14.81W	12	6.0W,5.3s		
NEIC	X	26 05 48 42.6	58.36S	14.87W	10	6.0W,5.3s		
NEIC	X	26 05 48 42.3–1.1	58.34S–.10	14.8W–.20	10–1	5.8,5.7b		
NEIC	X	26 05 48 42.6	58.36S	14.87W	10	5.8,5.7b		
PTWC	X	26 05 48 43	58.40S	14.80W	10	5.8,5.7b		
GFZ	X	26 05 48 43.1–.18	58S–3.0	15W–3.0	10	6.1b,5.8		
GFZ	X	26 05 48 43.6	58.47S	14.82W	12	5.9W,5.8		
NEIC	X	26 05 48 46	58.46S	15.06W	18	5.9,5.8		
GCMT	X	26 05 48 46.7–.10	58.47S	14.45W	12	5.9W,5.8		

ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=11.5km az=51.0.
MOS Error ellipse: s-maj=17.0km s-min=11.1km az=99.1.
IPGP Moment Tensor Solution. NP1:ϕ_s172.00000°,δ83.00000°,λ167.00000°. NP2:ϕ_s263.00000° ,δ77.00000°,λ7.00000°.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=14.8km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.99 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$1.98 $M_{r\theta}$2.41 $M_{\theta\phi}$6.13

$M_{\theta r}$2.82 NP1:ϕ_s350.87000°,δ73.10000°,λ165.84000°. NP2:ϕ_s85.07000°,δ76.46000°,λ17.40000°. Principal axes: T 8.2859,Plg22.0000°,Azm308.0000°; N -2.4653,Plg68.0000°,Azm122.0000°; P -5.8206,Plg2.0000°,Azm218.0000° $M_0$7.37000×10^{17}

NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.06 $M_{\theta\theta}$-3.36 $M_{\phi\phi}$2.31 $M_{r\theta}$1.27 $M_{\theta\phi}$7.99 $M_{\phi r}$0.25 NP1: ϕ_s350.14829°,δ81.00550°,λ178.15969°. NP2:ϕ_s80.43610°,δ88.18233°,λ8.99906°. Principal axes: T 8.0711,Plg7.6417°,Azm305.6339°; N 1.0101,Plg80.8207°,Azm91.7618°; P -9.0812,Plg5.0555°,Azm214.9539° $M_0$8.62063×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.45 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.29 $M_{r\theta}$-2.02 $M_{\theta\phi}$7.30 $M_{\phi r}$2.27 NP1:ϕ_s88.64000°,δ75.80000°,λ-12.32000°. NP2:ϕ_s181.71000°,δ78.06000°,λ-165.48000°. Principal axes: T 7.0762,Plg2.0000°,Azm315.0000°; N 1.4703,Plg71.0000°,Azm220.0000°; P -8.5465,Plg19.0000°,Azm45.0000° $M_0$7.91000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110260548A. Moment Tensor Solution. s154,c292; s164,c536;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66±.05 $M_{\theta\theta}$-1.97±.05; $M_{\theta\phi}$2.63±.05; $M_{r\theta}$-0.33±.12; $M_{\theta\theta}$7.88±.04; $M_{\phi r}$0.53±.13; Best double couple: NP1:ϕ_s82.00000°,δ86.00000°,λ-2.00000°. NP2:ϕ_s172.00000°,δ88.00000°,λ-176.00000°. Principal axes: T 8.5440,Plg1.0000°,Azm307.0000°; N -0.6220,Plg85.0000°,Azm200.0000°; P -7.9250,Plg5.0000°,Azm37.0000° $M_0$8.23500×10^{17}

(259) Mindanao

ISC	X	26 05 51 10.1–.68	7.41N–.03	126.71E–.05	60–6	4.6b	246	0-163
DJA	X	26 05 51 03.4–2.2	8N–18	127E–7.0	52–10	5.6b,5.1	¶621239341	
MAN	X	26 05 51 10.1	7.47N	126.68E	34	5.4b,4.6s		
GFZ	X	26 05 51 11.8–.23	8N–2.0	127E–3.0	75	5.1b,5.0L		
NEIC	X	26 05 51 11.1–1.3	7.52N–.05	126.67E–.08	69–7	4.5b,5.0L		
IDC	X	26 05 51 11.9–1.3	7.50N	126.62E	78–12	4.6,4.3b		

ISC Event type fe.
MAN Event type fe. INTENSITY III - LAAK MAWAB AND MONKAYO DAVAO DE ORO; CARAGA DAVAO ORIENTAL ; . INTENSITY II - MONTEVISTA DAVAO DE ORO; CITY OF TAGUM DAVAO DEL NORTE; CITY OF DAVAO; BAGANGA AND CITY OF MATI DAVAO ORIENTAL; CITY OF BISLIG SURIGAO DEL SUR.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.9km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.9km s-min=9.8km az=75.0.

(706) Northern Sumatera

ISC	X	26 10 02 29.5–.54	2.22N–.05	96.18E–.06	27	4.3b,3.4s	102	0-143
IDC	X	26 10 02 25.4–1.2	2.12N	96.07E	0	4.2b,4.2	¶621240761	
NEIC	X	26 10 02 27.3–1.4	2.18N–.06	96.12E–.09	10–1	4.4b,4.2		
DJA	X	26 10 02 28.7–.80	2N–3.0	96E–5.0	18–5	5.6b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(219) Off east coast of Kamchatka Peninsula

ISC	X	26 13 07 51.7–.69	52.55N–.03	159.40E–.04	48–6	4.4b,3.2s	295	1-144
KRSC	X	26 13 07 50.6–1.0	52.53N	159.43E	55–12	4.4L,3.2s	¶621240765	
MOS	X	26 13 07 51.4–.95	52.54N	159.28E	62	4.6b,3.2s		
GFZ	X	26 13 07 53.5–.59	53N–5.0	159E–5.0	59–5	7.2b,7.2		
NEIC	X	26 13 07 53.8–1.7	52.66N–.09	159.3E–.10	64–6	4.5b,7.2		
IDC	X	26 13 07 55.5–1.1	52.69N	159.12E	82–8	4.0,3.7b		

ISC Event type se.
KRSC Event type se. Felt [IV] at lighthouse Petropavlovskiy; [II] at Petropavlovsk; Felt at Elizovo.
MOS Error ellipse: s-maj=8.2km s-min=3.4km az=85.8.
GFZ Error ellipse: s-maj=12.5km s-min=8.6km az=121.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.1km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.4km s-min=11.0km az=132.0.

(229) Off east coast of Honshu

ISC	X	26 16 27 55.1–.59	37.24N–.04	142.27E–.04	26–3	4.9b,4.1s	486	1-149
BJI	X	26 16 27 50.0	37.08N	142.20E	10	5.0b,4.9b	¶621240781	
MOS	X	26 16 27 51.6–1.0	37.31N	142.32E	15	4.9b,4.9b		
IDC	X	26 16 27 51.5–.50	37.23N	142.23E	0	4.6,4.5b		
GFZ	X	26 16 27 53.0–.35	37N–3.0	142E–5.0	10	5.5b,5.2L		
NIED	X	26 16 27 54.8	37.24N	142.17E	23	4.7W,5.2L		
JMA	X	26 16 27 54.8–.06	37.2N–.30	142.2E–.30	23–0	5.0,4.7W		
NEIC	X	26 16 27 55.1–.80	37.26N–.06	142.24E–.10	23–4	4.9b,4.7W		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.22 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-0.27 $M_{r\theta}$-0.60 $M_{\theta\phi}$0.19 $M_{\phi r}$1.17 NP1:ϕ_s160.00000°,δ6.00000°,λ97.00000°. NP2:ϕ_s333.00000°,δ84.00000°,λ89.00000°. $M_0$1.34000×10^{16}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(663) Sea of Okhotsk

ISC	X	27 02 42 31.9–.35	57.93N–.03	153.11E–.02	12–1	5.2b,4.5s	1273	2-149
KRSC	X	27 02 42 27.4–2.8	57.79N	153.08E	6–49	5.5L,5.3	¶621241128	
IDC	X	27 02 42 29.9–.36	57.83N	153.10E	0	4.8b,4.7		
NERS	X	27 02 42 29.4	57.86N	153.08E	12	4.8b,4.7		
MOS	X	27 02 42 30.1–.82	57.86N	153.13E	12	5.4b,4.7s		
NEIC	X	27 02 42 31.7–1.1	57.90N–.06	153.1E–.10	10–1	5.3b,4.9		
GFZ	X	27 02 42 32.6–.21	58N–2.0	153E–2.0	11–1	5.8b,5.6L		
GCMT	X	27 02 42 33.1–.20	57.85N–.02	153.07E–.02	12	4.9W,5.6L		
BGR	X	27 02 42 41.9	58.40N	152.12E	33	5.5b,4.3s		

ISC Event type ke.
KRSC Event type se. Felt [I-II] at Magadan.
IDC Error ellipse: s-maj=9.2km s-min=8.7km az=159.0.
NERS Event type se.
MOS Event type fe. Error ellipse: s-maj=6.6km s-min=3.6km az=104.3. Felt (III) at Magadan. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.9km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=5.3km s-min=4.6km az=140.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110270242A. Moment Tensor Solution. s43,c52; s99,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.58±.08 $M_{\theta\theta}$0.49±.08; $M_{\phi\phi}$-3.08±.06; $M_{r\theta}$0.76±.29; $M_{\theta\phi}$0.10±.06; $M_{\phi r}$-0.98±.20; Best double couple: NP1:ϕ_s15.00000°,δ38.00000°,λ116.00000°. NP2:ϕ_s163.00000°,δ57.00000°,λ71.00000°. Principal axes: T 2.9670,Plg71.0000°,Azm28.0000°; N 0.2860,Plg16.0000°,Azm174.0000°; P -3.2600,Plg10.0000°,Azm266.0000° $M_0$3.11300×10^{16}
BGR Event type ke.

(179) South of Kermadec Islands

ISC	X	27 06 10 46.5–.83	33.27S–.05	179.08W–.06	52–6	5.0b,4.0s	326	5-172
WEL	X	27 06 10 44.2–1.1	33S–8.0	178W–14	33	5.6b,5.4	¶621630077	
GFZ	X	27 06 10 45.0–.34	33S–3.0	179W–5.0	57	5.0b,5.0		
NEIC	X	27 06 10 47.6–1.7	33.16S–.07	179.2W–.10	47–4	4.9b,5.0		
IDC	X	27 06 10 49.1–2.5	33.12S	179.47W	66–20	4.7,4.3b		
GCMT	X	27 06 10 50.4–.30	33.25S–.02	179.11W–.03	52–1	5.0W,4.3b		
NOU	X	27 06 10 56.8	34.02S	179.48W	205	4.6b,4.3b		

ISC Event type se.
WEL Event type se. Error ellipse: s-maj=19.4km s-min=9.0km az=104.9. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.1km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.9km s-min=13.7km az=96.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110270610A. Moment Tensor Solution. s42,c47; s73,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.25±.22 $M_{\theta\theta}$-0.09±.16; $M_{\phi\phi}$-3.16±.13; $M_{r\theta}$-0.36±.10; $M_{\theta\phi}$-1.02±.09; $M_{\phi r}$1.11±.10; Best double couple: NP1:ϕ_s208.00000°,δ38.00000°,λ108.00000°. NP2:ϕ_s6.00000°,δ54.00000°,λ76.00000°. Principal axes: T 3.5170,Plg76.0000°,Azm231.0000°; N 0.0880,Plg11.0000°,Azm14.0000°; P -3.6040,Plg8.0000°,Azm105.0000° $M_0$3.56000×10^{16}
NOU South of Kermadec Islands.

(230) Near south coast of eastern Honshu

ISC	X	28 00 55 29.4–.43	36.06N–.03	139.87E–.04	55–3	4.5b,3.5s	380	0-148
MOS	X	28 00 55 27.1–.90	36.01N	139.92E	53	4.9b,3.5s	¶621242535	
NIED	X	28 00 55 29.4	36.06N	139.91E	45	4.4W,3.5s		
NEIC	X	28 00 55 29.4–1.7	36.04N–.05	139.88E–.08	50–5	4.7b,4.4		
JMA	X	28 00 55 29.4–.07	36.1N–.20	139.9E–.20	45–0	4.6,4.5		
IDC	X	28 00 55 30.1–1.3	35.96N	139.79E	62–12	4.4,4.1b		
NEIC	X	28 00 55 30	36.04N	139.92E	56	4.4,4.1b		
GFZ	X	28 00 55 31.3–.39	36N–6.0	140E–6.0	68	5.5b,5.0		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.19 $M_{\theta\theta}$-2.98 $M_{\phi\phi}$-0.21 $M_{r\theta}$1.59 $M_{\theta\phi}$-1.01 $M_{\phi r}$2.36 NP1:ϕ_s270.00000°,δ30.00000°,λ126.00000°. NP2:ϕ_s50.00000°,δ66.00000°,λ71.00000°. $M_0$4.30000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.93 $M_{\theta\theta}$-3.45 $M_{\phi\phi}$0.52 $M_{r\theta}$2.06 $M_{\theta\phi}$-1.16 $M_{\phi r}$2.58 NP1:ϕ_s50.07000°,δ68.88000°,λ66.83000°. NP2:ϕ_s279.98000°,δ30.96000°,λ135.52000°. Principal axes: T 4.7388,Plg59.0000°,Azm287.0000°; N 0.0300,Plg22.0000°,Azm59.0000°; P -4.7689,Plg21.0000°,Azm157.0000° $M_0$4.75000×10^{15}
JMA Event type fe. SW IBARAKI PREF .
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(251) Samar

ISC	X	28 05 39 02.1–1.1	12.98N–.02	124.64E–.03	1–6	4.7b,4.2s	294	0-100
IDC	X	28 05 39 01.7–.59	12.80N	124.55E	0	4.4,4.2L	¶621242579	
MAN	X	28 05 39 03.4	12.97N	124.55E	7	5.6b,5.0s		
NEIC	X	28 05 39 03.3–1.0	12.85N–.07	124.50E–.02	10–1	4.8b,5.0s		
GFZ	X	28 05 39 04.4–.29	13N–3.0	125E–6.0	10	5.1b,5.0		
GCMT	X	28 05 39 05.5–.20	13.04N–.01	124.55E–.01	20–0	5.0W,5.0		
BJI	X	28 05 39 05.2	13.02N	124.44E	10	5.1b,4.7s		
DJA	X	28 05 39 15.9–1.6	13N–12	125E–4.0	47–9	5.4,5.4b		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - CATARMAN MONDRAGON AND PAMBUJAN NORTHERN SAMAR ; . INTENSITY III - ALLEN BIRI LAOANG LAVEZARES AND SAN ISIDRO NORTHERN SAMAR ; . INTENSITY II - CITY OF CALBAYOG CITY OF CATBALOGAN AND SANTA MARGARITA SAMAR ; . INTENSITY I - PRIETO DIAZ SORSOGON.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110280539A. Moment Tensor Solution. s66,c95; s124,c202; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.74±.14 $M_{\theta\theta}$2.54±.12; $M_{\phi\phi}$-1.80±.12; $M_{r\theta}$-0.92±.20; $M_{\theta\phi}$4.18±.09; $M_{\phi r}$0.18±.22; Best double couple: NP1:ϕ_s194.00000°,δ78.00000°,λ-178.00000°. NP2:ϕ_s103.00000°,δ88.00000°,λ-12.00000°. Principal axes: T 5.1620,Plg7.0000°,Azm149.0000°; N -0.7120,Plg78.0000°,Azm273.0000°; P -4.4490,Plg10.0000°,Azm58.0000° $M_0$4.80500×10^{16}

(12) Alaska Peninsula

ISC	X	28 19 06 56.1–.31	55.06N–.03	158.85W–.02	29–1	5.4b,4.6s	1419	0-157
IDC	X	28 19 06 52.3–.45	55.12N	159.00W	0	5.1b,5.1	¶622506045	
BJI	X	28 19 06 53.0	55.10N	158.80W	37	5.6b,5.4b		
MOS	X	28 19 06 55.4–.87	55.12N	158.97W	31	5.7b,4.6s		
NEIC	X	28 19 06 56.4–2.3	55.07N–.04	158.84W–.05	28–3	5.4b,5.3L		
NEIC	X	28 19 06 56.9	55.08N	158.86W	34	5.4b,5.3L		
AEIC	X	28 19 06 56.6–2.7	54.97N–.05	158.75W–.07	13–3	5.4b,5.3L		
NEIC	X	28 19 06 56.8	55.09N	158.87W	32	5.4b,5.3L		
GFZ	X	28 19 06 57.7–.11	55N–3.0	159W–2.0	32	5.8b,5.4		
GFZ	X	28 19 06 57.6	55.08N	158.95W	40	5.0W,5.4		
GCMT	X	28 19 06 58.3–.20	54.86N–.01	158.66W–.02	45–0	5.1W,5.4		
NEIC	X	28 19 07 04.8	55.08N	158.86W	36	5.1,5.4		

ISC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=8.7km az=167.0.
MOS Error ellipse: s-maj=8.6km s-min=3.9km az=97.1.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.1km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.47 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.09 $M_{r\theta}$3.07 $M_{\theta\phi}$-0.04 $M_{\phi r}$1.46 NP1:ϕ_s64.62000°,δ86.55000°,λ88.64000°. NP2:ϕ_s266.18000°,δ3.71000°,λ111.52000°. Principal axes: T 3.4793,Plg48.0000°,Azm333.0000°; N -0.1100,Plg1.0000°,Azm65.0000°; P -3.3693,Plg42.0000°,Azm156.0000° $M_0$3.43000×10^{16}
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.3km az=145.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.24 $M_{\theta\theta}$-3.76 $M_{\phi\phi}$0.52 $M_{r\theta}$2.54 $M_{\theta\phi}$-0.71 $M_{\phi r}$1.34 NP1: ϕ_s68.05395°,δ64.92207°,λ77.36298°. NP2:ϕ_s275.93153°,δ27.89685°,λ115.05612°. Principal axes: T 4.3696,Plg67.6145°,Azm314.0875°; N 0.4492,Plg11.4288°,Azm73.4824°; P -4.8188,Plg18.9793°,Azm167.4693° $M_0$4.61064×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110281906A. Moment Tensor Solution. s89,c140; s113,c187;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.98±.12 $M_{\theta\theta}$-3.94±.10; $M_{\phi\phi}$-0.04±.10; $M_{r\theta}$2.95±.11; $M_{\theta\phi}$-2.28±.08; $M_{\phi r}$1.56±.09; Best double couple: NP1: ϕ_s248.00000°,δ27.00000°,λ95.00000°. NP2:ϕ_s63.00000°,δ63.00000°,λ88.00000°. Principal axes: T 5.0890,Plg72.0000°,Azm328.0000°; N 0.9980,Plg2.0000°,Azm64.0000°; P -6.0940,Plg18.0000°,Azm155.0000° $M_0$5.59200×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}3.63 $M_{\theta\theta}$-3.26 $M_{\phi\phi}$-0.37 $M_{r\theta}$3.30 $M_{\theta\phi}$-1.89 $M_{\phi r}$1.73 NP1:ϕ_s244.94000°,δ23.21000°,λ92.12000°. NP2:ϕ_s62.63000°,δ66.80000°,λ89.09000°. Principal axes: T 5.1223,Plg68.0000°,Azm331.0000°; N 0.5613,Plg1.0000°,Azm63.0000°; P -5.6835,Plg22.0000°,Azm153.0000° $M_0$5.42000×10^{16}

(740) Owen Fracture Zone region

ISC	X	29 06 12 42.7–.52	14.68N–.08	55.05E–.06	14	4.3b,3.9s	88	10-127
IDC	X	29 06 12 39.4–.87	14.62N	55.10E	0	4.0b,4.0	¶621244112	
GCMT	X	29 06 12 41.9–.30	14.85N–.02	54.78E–.03	12	4.8W,4.0		
NEIC	X	29 06 12 42.8–1.2	14.64N–.08	55.02E–.10	10–1	4.6b,4.0		
GFZ	X	29 06 12 43.8	14.76N	55.03E	10	4.6W,4.0		
GFZ	X	29 06 12 43.8–.36	15N–5.0	55E–5.0	10	6.1b,5.8		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110290612A. Moment Tensor Solution. s17,c19; s96,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.58±.06 $M_{\theta\theta}$1.68±.05; $M_{\phi\phi}$-0.10±.06; $M_{r\theta}$0.98±.20; $M_{\theta\phi}$-0.40±.05; $M_{\phi r}$1.52±.27; Best double couple: NP1:ϕ_s124.00000°,δ39.00000°,λ-39.00000°. NP2:ϕ_s246.00000°,δ67.00000°,λ-122.00000°. Principal axes: T 1.9540,Plg16.0000°,Azm359.0000°; N 0.8220,Plg29.0000°,Azm260.0000°; P -2.7780,Plg56.0000°,Azm114.0000° $M_0$2.36600×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.11 $M_{\theta\theta}$0.85 $M_{\phi\phi}$0.26 $M_{r\theta}$0.25 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.02 NP1: ϕ_s124.64308°,δ39.95481°,λ-79.85570°. NP2:ϕ_s291.50459°,δ50.79150°,λ-98.39356°. Principal axes: T 1.1065,Plg5.4536°,Azm27.4561°; N 0.0409,Plg6.4944°,Azm296.8334°; P -1.1475,Plg81.5043°,Azm157.1844° $M_0$1.12757×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(153) South Sandwich Islands region

ISC	X	29 06 38 19.7–.70	59.12S–.06	25.83W–.07	44–6	4.9b,3.8s	227	8-174
GFZ	X	29 06 38 19.1–.32	59S–4.0	26W–4.0	37–2	5.8b,5.3	¶621243380	
IDC	X	29 06 38 19.4–2.5	59.07S	25.98W	39–20	4.7,4.6L		

NEIC X 29 06 38 20.3–1.4 59.1S–.10 25.8W–.20 48–7 5.0b,4.6L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(682) Baffin Island region

ISC	**X**	**29 13 48 55.3–.27**	**67.54N–.03**	**66.02W–.03**	**10**	**4.7b,3.8s**	**326**	**3-134**
IDC	X	29 13 48 54.9–.40	67.72N	65.96W	0	4.4L,4.4		**¶621244120**
OTT	X	29 13 48 57.0–.16	67.60N	65.91W	18	5.2,5.2		
DNK	X	29 13 48 56.1–3.5	67.81N	65.74W	0–38	3.3L,5.2		
GFZ	X	29 13 48 57.0–.14	68N–3.0	66W–2.0	10	5.7b,5.2L		
NEIC	X	29 13 48 57.2–.94	67.62N–.07	66.0W–.20	14–4	4.7b,5.2L		

ISC Event type ke.
OTT Event type fe. 80km west of Qikiqtarjuaq, Nu, felt.
DNK Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(177) Kermadec Islands region

ISC	**X**	**29 19 42 32.4–.40**	**29.55S–.04**	**176.09W–.04**	**20–1**	**5.7b,5.4s**	**1154**	**2-172**
BJI	X	29 19 42 29.6	28.99S	175.59W	8	6.2b,5.5b		**¶621630080**
IDC	X	29 19 42 30.4–.35	29.39S	176.16W	0	5.2b,5.2		
GFZ	X	29 19 42 30.6–.22	30S–3.0	176W–4.0	10	6.0b,5.6b		
NEIC	X	29 19 42 31.2–2.1	29.39S–.09	176.12W–.07	10–1	5.7b,5.4		
NEIC	X	29 19 42 31.2	29.39S	176.13W	10	5.7b,5.4		
NEIC	X	29 19 42 31.2	29.39S	176.13W	10	5.7b,5.4		
NEIC	X	29 19 42 31.6	29.39S	175.56W	18	5.5,5.4		
GFZ	X	29 19 42 32.4	29.49S	176.24W	27	5.6W,5.4		
MOS	X	29 19 42 32.6–1.3	29.48S	176.29W	24	5.6b,5.1s		
PTWC	X	29 19 42 33	29.50S	175.60W	36	5.6,5.1s		
GCMT	X	29 19 42 36.6–.10	29.37S–.01	175.92W	12	5.5W,5.1s		
NOU	X	29 19 42 37.7	29.46S	176.05W	67	5.5b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=13.6km az=21.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.3km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.53 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$1.73 $M_{r\theta}$0.18 $M_{\theta\phi}$0.69 $M_{\phi r}$0.45 NP1:ϕ_s199.43000°,δ52.72000°,λ-87.83000°. NP2:ϕ_s15.85000°,δ37.33000°,λ-92.84000°. Principal axes: T 2.0198,Plg8.0000°,Azm288.0000°; N -0.4247,Plg2.0000°,Azm18.0000°; P -1.5950,Plg82.0000°,Azm121.0000° $M_0$1.84000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.80 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$2.07 $M_{r\theta}$0.35 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.75 NP1:ϕ_s209.79000°,δ38.49000°,λ-63.15000°. NP2:ϕ_s356.90000°,δ56.27000°,λ-109.76000°. Principal axes: T 2.2977,Plg9.0000°,Azm101.0000°; N -0.2469,Plg16.0000°,Azm8.0000°; P -2.0508,Plg71.0000°,Azm219.0000° $M_0$2.18000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.95 $M_{\theta\theta}$1.25 $M_{\phi\phi}$1.70 $M_{r\theta}$0.97 $M_{\theta\phi}$0.90 $M_{\phi r}$1.54 NP1:ϕ_s210.29633°,δ65.89521°,λ-85.84325°. NP2:ϕ_s20.20609°,δ24.43946°,λ-99.20235°. Principal axes: T 2.8229,Plg20.7911°,Azm297.1535°; N -0.1684,Plg3.7937°,Azm28.5962°; P -2.6545,Plg68.8337°,Azm128.4571° $M_0$2.74256×10^{17}
MOS Error ellipse: s-maj=9.6km s-min=8.0km az=126.5.
PTWC KERMADEC ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110291942A. Moment Tensor Solution. s131,c220; s156,c317;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77±.02 $M_{\theta\theta}$-0.03±.02; $M_{\phi\phi}$1.81±.01; $M_{r\theta}$-0.29±.04; $M_{\theta\phi}$0.56±.01; $M_{\phi r}$-0.58±.04; Best double couple: NP1: ϕ_s191.00000°,δ36.00000°,λ-97.00000°. NP2:ϕ_s20.00000°,δ55.00000°,λ-85.00000°. Principal axes: T 2.0720,Plg9.0000°,Azm106.0000°; N -0.1830,Plg4.0000°,Azm197.0000°; P -1.8830,Plg80.0000°,Azm309.0000° $M_0$1.97700×10^{17}
NOU Kermadec Islands Region.

(277) Jawa

ISC	**X**	**29 22 56 41.4–.77**	**7.54S–.05**	**106.66E–.03**	**54–7**	**3.9b,3.0s**	**106**	**0-144**
DJA	X	29 22 56 42.0–.30	8S–2.0	107E–1.0	27–2	5.6b,5.1		**¶621391467**
IDC	X	29 22 56 43.4–2.8	7.24S	106.56E	82–23	3.8,3.5b		

ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=13.1km az=59.0.

(686) West Chile Rise

ISC	**X**	**30 05 49 12.0–.45**	**41.72S–.08**	**83.64W–.07**	**10**	**5.0b,4.0s**	**235**	**8-173**
IDC	X	30 05 49 09.7–.50	41.94S	83.91W	0	4.6b,4.5		**¶621244338**
GCMT	X	30 05 49 12.5–.20	41.93S–.02	83.78W–.02	13–0	4.9W,4.5		
GFZ	X	30 05 49 12.8	41.83S	83.60W	10	4.9W,4.5		
NEIC	X	30 05 49 13.8	41.45S	83.37W	10	4.9W,4.5		
NEIC	X	30 05 49 13.8–.88	41.5S–.10	83.4W–.10	10–1	5.1b,4.5		
NEIC	X	30 05 49 14.2	41.65S	83.90W	12	5.0,4.5		
GFZ	X	30 05 49 14.3–.30	42S–3.0	83W–4.0	10	5.5b,5.0		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110300549A. Moment Tensor Solution. s49,c62; s116,c171; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.95±.13 $M_{\theta\theta}$0.51±.08; $M_{\phi\phi}$2.45±.09; $M_{r\theta}$0.58±.23; $M_{\theta\phi}$-1.09±.05; $M_{\phi r}$-1.21±.20; Best double couple: NP1:ϕ_s156.00000°,δ33.00000°,λ-89.00000°. NP2:ϕ_s335.00000°,δ57.00000°,λ-91.00000°. Principal axes: T 3.2300,Plg12.0000°,Azm66.0000°; N 0.0190,Plg1.0000°,Azm336.0000°; P -3.2420,Plg78.0000°,Azm243.0000° $M_0$3.23600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.79 $M_{\theta\theta}$0.92 $M_{\phi\phi}$1.87 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.61 $M_{\phi r}$-1.06 NP1: ϕ_s150.85758°,δ33.55617°,λ-96.70290°. NP2:ϕ_s338.88491°,δ56.70321°,λ-85.57296°. Principal axes: T 2.3837,Plg11.6001°,Azm65.6908°; N 0.6402,Plg3.6992°,Azm156.4512°; P -3.0239,Plg77.8087°,Azm263.8638° $M_0$2.76002×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}7 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.49 $M_{\theta\theta}$0.06 $M_{\phi\phi}$2.44 $M_{r\theta}$2.52 $M_{\theta\phi}$-0.86 $M_{\phi r}$-0.73 NP1:ϕ_s183.12000°,δ34.23000°,λ-42.70000°. NP2:ϕ_s310.46000°,δ67.57000°,λ-116.57000°. Principal axes: T 3.2134,Plg18.0000°,Azm60.0000°; N 0.8361,Plg24.0000°,Azm321.0000°; P -4.0494,Plg59.0000°,Azm183.0000° $M_0$3.70000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(83) South of Panama

ISC	**X**	**30 07 26 11.1–2.9**	**6.87N–.04**	**82.32W–.03**	**14–20**	**4.2b,3.3s**	**236**	**1-91**
UCR	X	30 07 26 08.4–.26	6.84N	82.44W	0–47	4.4W,3.3s		**¶621395160**
CATAC	X	30 07 26 09.0–.62	7N–5.0	83W–2.0	1	6.1b,5.8		
IDC	X	30 07 26 10.4–5.0	7.18N	82.03W	0	3.9L,3.7		
UPA	X	30 07 26 11.7–2.0	6.93N	82.40W	11–12	4.6W,3.7		
NEIC	X	30 07 26 12.7–1.9	7.00N–.08	82.5W–.10	10–2	4.5b,3.7		
RSNC	X	30 07 26 12.6–.20	7N–2.0	82W–2.0	57–10	6.3b,6.0		

ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.40 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-0.86 $M_{r\theta}$-0.86 $M_{\theta\phi}$1.55 $M_{\phi r}$0.07 NP1:ϕ_s284.47488°,δ81.02444°,λ29.08934°. NP2:ϕ_s189.51417°,δ61.30025°,λ169.75463°. Principal axes: T 1.8222,Plg26.7363°,Azm150.6953°; N 0.1870,Plg59.6735°,Azm300.1396°; P -2.0091,Plg13.2528°,Azm53.8816° $M_0$1.92248×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.43 $M_{\theta\theta}$0.98 $M_{\phi\phi}$-2.41 $M_{r\theta}$0.08 $M_{\theta\phi}$2.77 $M_{\phi r}$-0.88 NP1: ϕ_s285.97669°,δ71.43314°,λ6.85688°. NP2:ϕ_s193.78397°,δ83.50159°,λ161.30864°. Principal axes: T 2.6511,Plg17.7689°,Azm148.4817°; N 1.4284,Plg70.2494°,Azm355.2874°; P -4.0795,Plg8.3444°,Azm241.1759° $M_0$3.58543×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.52 $M_{\theta\theta}$1.02 $M_{\phi\phi}$-2.54 $M_{r\theta}$0.05 $M_{\theta\phi}$2.93 $M_{\phi r}$-0.86 NP1: ϕ_s286.00423°,δ72.04261°,λ7.27904°. NP2:ϕ_s193.74905°,δ83.07734°,λ161.90619°. Principal axes: T 2.7905,Plg17.6520°,Azm148.6069°; N 1.4990,Plg70.6686°,Azm353.5003°; P -4.2895,Plg7.6303°,Azm241.0502° $M_0$3.77055×10^{15}

UPA Event type se. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s281.45000°,δ51.62000°,λ12.25000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(742) Western Indian-Antarctic Ridge

ISC	**X**	**30 09 03 23.8–.24**	**51.48S–.03**	**139.33E–.04**	**14**	**5.7s,5.2b**	**621**	**10-160**
IDC	X	30 09 03 21.7–.45	51.29S	139.43E	0	5.8s,4.8b		**¶621244405**
BJI	X	30 09 03 21.7	51.43S	139.05E	9	5.7s,5.7b		
NEIC	X	30 09 03 22.8	51.43S	139.07E	10	5.7s,5.7b		
IPGP	X	30 09 03 22.0	51.44S	139.11E	8	5.9W,5.7b		
ISC-P	X	30 09 03 22	51.43S	139.10E	14–0	6.1,5.7b		
NEIC	X	30 09 03 22.6–1.1	51.43S–.09	139.10E–.06	10–1	5.8,5.7		
NEIC	X	30 09 03 22.6	51.43S	139.10E	10	5.8,5.7		
MOS	X	30 09 03 22.3–1.5	51.30S	139.37E	10	5.5s,5.4b		
NEIC	X	30 09 03 23	51.53S	138.78E	12	5.7,5.4b		
GFZ	X	30 09 03 24.7	51.39S	139.04E	13	5.8W,5.4b		
GFZ	X	30 09 03 24.7–.14	51S–2.0	139E–3.0	10	5.8b,5.7		
GCMT	X	30 09 03 26.9–.10	51.31S	139.37E	12	5.9W,5.7		
PTWC	X	30 09 03 27	51.40S	139.20E	35	6.0,5.7		

ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=8.5km az=87.0.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s269.00000°,δ89.00000°,λ163.00000°. NP2:ϕ_s359.00000°,δ73.00000°,λ1.00000°.
ISC-P Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}0.25±.16 $M_{\theta\theta}$0.07±.21; $M_{\phi\phi}$-0.29±.17; $M_{r\theta}$0.10±.15; $M_{\theta\phi}$-0.54±.14; $M_{\phi r}$-0.34±.17; NP1:ϕ_s176.30000°,δ78.00000°,λ58.40000°. NP2:ϕ_s67.60000°,δ33.60000°,λ157.90000°. $M_0$1.53000×10^{18}
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=5.0km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32 $M_{\theta\theta}$1.37 $M_{\phi\phi}$-0.05 $M_{r\theta}$1.74 $M_{\theta\phi}$-5.14 $M_{\phi r}$-1.83 NP1:ϕ_s176.86000°,δ81.40000°,λ16.27000°. NP2:ϕ_s84.36000°,δ73.91000°,λ171.05000°. Principal axes: T 6.6405,Plg18.0000°,Azm41.0000°; N -2.0958,Plg72.0000°,Azm204.0000°; P -4.5448,Plg5.0000°,Azm310.0000° $M_0$5.88000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=23.9km s-min=7.6km az=87.6.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.48 $M_{\theta\theta}$1.34 $M_{\phi\phi}$0.14 $M_{r\theta}$0.34 $M_{\theta\phi}$-4.70 $M_{\phi r}$-1.35 NP1:ϕ_s86.63000°,δ71.60000°,λ-174.58000°. NP2:ϕ_s354.91000°,δ84.86000°,λ-18.48000°. Principal axes: T 5.6585,Plg9.0000°,Azm42.0000°; N -1.4258,Plg71.0000°,Azm160.0000°; P -4.2327,Plg17.0000°,Azm309.0000° $M_0$5.10000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07 $M_{\theta\theta}$0.91 $M_{\phi\phi}$0.15 $M_{r\theta}$0.13 $M_{\theta\phi}$-6.89 $M_{\phi r}$-0.60 NP1: ϕ_s358.38950°,δ89.72890°,λ-5.08343°. NP2:ϕ_s88.41362°,δ84.91663°,λ-179.72783°. Principal axes: T 7.4656,Plg3.4001°,Azm43.5141°; N -1.0723,Plg84.9094°,Azm175.3448°; P -6.3932,Plg3.7842°,Azm313.2889° $M_0$6.99134×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110300903A. Moment Tensor Solution. s158,c330; s165,c351;Duration: 2^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71±.05 $M_{\theta\theta}$1.07±.05; $M_{\phi\phi}$-0.35±.05; $M_{r\theta}$-1.45±.12; $M_{\theta\phi}$-7.79±.04; $M_{\phi r}$-0.38±.12; Best double couple: NP1: ϕ_s357.00000°,δ79.00000°,λ-4.00000°. NP2:ϕ_s88.00000°,δ86.00000°,λ-169.00000°. Principal axes: T 8.2540,Plg5.0000°,Azm222.0000°; N -0.5570,Plg78.0000°,Azm105.0000°; P -7.6940,Plg10.0000°,Azm313.0000° $M_0$7.97400×10^{17}

(280) Banda Sea

ISC	**X**	**30 11 11 42.2–.36**	**7.68S–.02**	**125.51E–.03**	**18–1**	**5.4b,4.8s**	**1066**	**1-172**
IDC	X	30 11 11 39.5–.35	7.62S	125.46E	0	5.1,5.0b		**¶621244410**
BJI	X	30 11 11 39.4	7.70S	125.40E	9	5.4b,5.0b		
MOS	X	30 11 11 39.8–1.0	7.67S	125.49E	15	5.6b,4.7s		
GFZ	X	30 11 11 41.7	7.66S	125.57E	16	5.5W,4.7s		
GFZ	X	30 11 11 41.7–.15	8S–2.0	126E–2.0	10	5.8b,5.7L		
DJA	X	30 11 11 42.4–.10	8S–1.0	126E–1.0	15	5.9b,5.7		
NEIC	X	30 11 11 42.1–1.1	7.71S–.05	125.46E–.06	17–4	5.5b,5.0		
NEIC	X	30 11 11 42.8	7.71S	125.45E	22	5.5b,5.0		
NEIC	X	30 11 11 43.1	7.51S	125.66E	18	5.5,5.0		
GCMT	X	30 11 11 45.4–.10	7.50S–.01	125.61E–.01	18–0	5.5W,5.0		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$0.23 $M_{r\theta}$-1.62 $M_{\theta\phi}$-0.83 $M_{\phi r}$-0.02 NP1: ϕ_s42.62344°,δ26.85284°,λ49.49177°. NP2:ϕ_s266.38225°,δ69.91379°,λ108.20434°. Principal axes: T 2.0586,Plg60.8919°,Azm203.3898°; N 0.3833,Plg17.0619°,Azm79.9383°; P -2.4419,Plg22.8310°,Azm342.5144° $M_0$2.27464×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.97 $M_{\theta\theta}$-1.05 $M_{\phi\phi}$0.08 $M_{r\theta}$-1.76 $M_{\theta\phi}$-0.65 $M_{\phi r}$0.27 NP1:ϕ_s37.62000°,δ24.30000°,λ37.17000°. NP2:ϕ_s272.97000°,δ75.60000°,λ109.79000°. Principal axes: T 2.1390,Plg55.0000°,Azm208.0000°; N 0.0106,Plg19.0000°,Azm88.0000°; P -2.1496,Plg28.0000°,Azm347.0000° $M_0$2.14000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110301111A. Moment Tensor Solution. s116,c217; s139,c288;Duration: 1^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.37±.03 $M_{\theta\theta}$-1.80±.02; $M_{\phi\phi}$0.42±.03; $M_{r\theta}$-1.09±.06; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$-0.16±.06; Best double couple: NP1: ϕ_s47.00000°,δ33.00000°,λ60.00000°. NP2:ϕ_s262.00000°,δ62.00000°,λ108.00000°. Principal axes: T 1.7380,Plg68.0000°,Azm206.0000°; N 0.8030,Plg16.0000°,Azm73.0000°; P -2.5460,Plg15.0000°,Azm339.0000° $M_0$2.14200×10^{17}

(248) Philippine Islands region

ISC	**X**	**30 16 09 38.2–.28**	**20.65N–.03**	**121.29E–.04**	**43**	**4.6b,3.7s**	**411**	**2-146**
NIED	X	30 16 09 33.9	20.76N	121.23E	0	4.6W,3.7s		**¶621244506**
JMA	X	30 16 09 33.9–.48	21N–2.0	121E–2.0	0	5.0,4.6		
GFZ	X	30 16 09 34.6–.14	21N–2.0	121E–3.0	10	5.6b,5.1		
BJI	X	30 16 09 36.4	20.81N	121.26E	22	4.6b,4.5L		
NEIC	X	30 16 09 37.1–1.8	20.65N–.06	121.30E–.08	29–5	4.7b,4.5L		
MAN	X	30 16 09 39.0	20.47N	121.60E	44	5.2b,4.3s		
IDC	X	30 16 09 39.6–2.0	20.55N	121.33E	61–18	4.4,4.1b		

ISC Event type fe.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.65 $M_{\theta\theta}$0.45 $M_{\phi\phi}$0.20 $M_{r\theta}$0.70 $M_{\theta\phi}$0.39 $M_{\phi r}$0.20 NP1:ϕ_s38.00000°,δ24.00000°,λ-118.00000°. NP2:ϕ_s248.00000°,δ69.00000°,λ-78.00000°. $M_0$1.01000×10^{16}
JMA Event type ke. PHILIPPINE ISL REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.3km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=16.4km s-min=9.1km az=74.0.

(429) Mid-Indian Ridge

ISC	**X**	**30 20 31 29.0–.36**	**27.77S–.07**	**73.87E–.07**	**10**	**4.8b,4.2s**	**207**	**20-165**
IDC	X	30 20 31 27.2–.54	27.74S	73.85E	0	4.1b,4.1		**¶621244522**
NEIC	X	30 20 31 28.8–1.3	27.69S–.09	73.9E–.10	10–1	4.9b,4.1		
GFZ	X	30 20 31 30.3–.28	28S–6.0	74E–7.0	10	5.8b,5.3		
GCMT	X	30 20 31 30.7–.20	27.97S–.01	74.09E–.02	14–1	5.0W,5.3		
GFZ	X	30 20 31 30.3	27.75S	73.86E	15	4.9W,5.3		

ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=14.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=11.6km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110302031A. Moment Tensor Solution. s34,c40; s108,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.72±.17 $M_{\theta\theta}$2.40±.11; $M_{\phi\phi}$0.32±.10; $M_{r\theta}$-1.61±.22; $M_{\theta\phi}$-1.58±.06; $M_{\phi r}$-0.40±.22; Best double couple: NP1:ϕ_s319.00000°,δ38.00000°,λ-56.00000°. NP2:ϕ_s98.00000°,δ60.00000°,λ-113.00000°. Principal axes:

T 3.5070,Plg12.0000°,Azm205.0000°; N -0.1180,Plg20.0000°,Azm111.0000° ; P -3.3840,Plg67.0000°,Azm324.0000° $M_0$3.44500×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.73 $M_{\theta\theta}$2.31 $M_{\phi\phi}$0.42 $M_{r\theta}$0.03 $M_{\theta\phi}$-1.05 $M_{\phi r}$0.04 NP1: ϕ_s115.13088°,δ44.92750°,λ-88.47713°. NP2:ϕ_s292.98044°,δ45.09269°,λ-91.51849°. Principal axes: T 2.7795,Plg0.0826°,Azm24.0541°; N -0.0466,Plg1.0754°,Azm294.0526° ; P -2.7329,Plg88.9214°,Azm118.4463° $M_0$2.75652×10^{16}

(177) Kermadec Islands region

ISC	**X**	**31 00 48 37.5–.32**	**29.24S–.05**	**176.84W–.06**	**36**	**4.8b,4.1s**	**239**	**1-168**
IDC	X	31 00 48 32.5–.48	29.08S	177.10W	0	4.6b,4.6		**¶621244539**
GFZ	X	31 00 48 33.8–.20	29S–3.0	177W–4.0	10	6.2b,5.9		
NEIC	X	31 00 48 34.5–1.9	29.2S–.10	176.81W–.07	10–1	4.9b,5.9		
GCMT	X	31 00 48 39.3–.30	29.07S–.03	176.60W–.03	30–0	5.0W,5.9		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110310048A. Moment Tensor Solution. s36,c47; s72,c89; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.18 $M_{\theta\theta}$-1.30±.14; $M_{\phi\phi}$-2.13±.12; $M_{r\theta}$0.68±.17; $M_{\theta\phi}$-1.07±.08; $M_{\phi r}$1.70±.13; Best double couple: NP1:ϕ_s218.00000°,δ30.00000° ,λ98.00000°. NP2:ϕ_s29.00000°,δ60.00000°,λ85.00000°. Principal axes: T 3.9360,Plg74.0000°,Azm286.0000°; N -0.5960,Plg4.0000°,Azm31.0000° ; P -3.3390,Plg15.0000°,Azm122.0000° $M_0$3.63700×10^{16}

(734) Laos

ISC	**X**	**31 03 04 55.1–.35**	**19.50N–.03**	**101.30E–.03**	**10**	**4.4b,3.5s**	**176**	**1-126**
PLV	X	31 03 04 51.6–2.0	19.42N	101.33E	0–17	4.6L,3.5s		**¶621244603**
BJI	X	31 03 04 53.0	19.44N	101.39E	10	4.8b,4.7L		
BKK	X	31 03 04 53.2–.50	20N–3.0	101E–3.0	1–5	5.2L,5.0		
IDC	X	31 03 04 53.2–.58	19.46N	101.24E	0	4.2L,4.1b		
DJA	X	31 03 04 54.9–.30	20N–3.0	101E–4.0	10	5.2,5.1b		
GFZ	X	31 03 04 55.4–.25	20N–4.0	101E–4.0	10	6.0b,5.7		
NEIC	X	31 03 04 55.4–1.6	19.55N–.04	101.26E–.06	10–1	4.6b,5.7		

ISC Event type se.

PLV Event type se. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(17) South of Alaska

ISC	**X**	**31 16 37 45.7–.27**	**54.85N–.03**	**158.71W–.02**	**29–1**	**5.5b,5.5s**	**1604**	**1-164**
BGR	X	31 16 37 31.0	52.45N	164.05W	33	5.2b,5.5s		**¶621244750**
MOS	X	31 16 37 43.1–.86	54.98N	158.87W	17	5.8b,5.5s		
IDC	X	31 16 37 44.8–2.5	54.96N	158.87W	17–15	5.3s,5.2b		
BJI	X	31 16 37 44.0	55.00N	158.80W	34	5.8s,5.8b		
NEIC	X	31 16 37 45.6	54.92N	158.69W	22	5.8s,5.8b		
AEIC	X	31 16 37 45.0–2.0	54.77N–.05	158.55W–.05	10–3	5.8s,5.8b		
ISC-P	X	31 16 37 46	54.91N	158.72W	28–0	6.0,5.8b		
NEIC	X	31 16 37 46	54.90N	158.72W	25	6.0,5.8b		
NEIC	X	31 16 37 46.0–1.5	54.91N–.04	158.72W–.02	25–1	5.7L,5.6		
NEIC	X	31 16 37 46	54.90N	158.72W	25	5.7L,5.6		
IPGP	X	31 16 37 47.0	54.95N	158.75W	28	5.7W,5.6		
GFZ	X	31 16 37 47.0–.21	55N–2.0	159W–2.0	29–1	6.1b,5.8		
GFZ	X	31 16 37 47.0	54.92N	158.81W	31	5.6W,5.8		
GCMT	X	31 16 37 49.4–.10	54.79N–.01	158.52W–.01	33–0	5.7W,5.8		
NEIC	X	31 16 37 54.9	54.92N	158.69W	22	5.6,5.8		

ISC Event type ke.

BGR Event type ke.

MOS Error ellipse: s-maj=8.0km s-min=3.9km az=97.6.

IDC Error ellipse: s-maj=11.6km s-min=8.3km az=154.0.

NEIC Event type se.

AEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.4km az=172.0. hypocenter. manual.

ISC-P Moment Tensor Solution. s56 Moment tensor: Scale 10^{18}Nm; M_{rr}0.62±.13 $M_{\theta\theta}$-0.66±.14; $M_{\phi\phi}$0.08±.15; $M_{r\theta}$0.07±.14; $M_{\theta\phi}$-0.07±.11; $M_{\phi r}$0.27±.28; NP1:ϕ_s114.00000°,δ49.10000° ,λ98.00000°. NP2:ϕ_s281.90000°,δ41.50000°,λ80.90000°. $M_0$1.38000×10^{18}

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=7.0km s-min=2.7km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.59 $M_{\theta\theta}$-2.64 $M_{\phi\phi}$0.05 $M_{r\theta}$2.05 $M_{\theta\phi}$-0.49 $M_{\phi r}$0.95 NP1:ϕ_s70.27000°,δ65.34000°,λ81.37000°. NP2:ϕ_s270.26000°,δ26.04000° ,λ108.10000°. Principal axes: T 3.4622,Plg68.0000°,Azm323.0000°; N 0.0581,Plg8.0000° ,Azm74.0000°; P -3.5203,Plg20.0000°,Azm167.0000° $M_0$3.49000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.63 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-0.35 $M_{r\theta}$2.05 $M_{\theta\phi}$-0.61 $M_{\phi r}$0.85 NP1:ϕ_s194.48000°,δ13.75000°,λ38.63000°. NP2:ϕ_s66.66000°,δ81.46000° ,λ100.83000°. Principal axes: T 2.3034,Plg52.0000°,Azm349.0000°; N 0.1136,Plg11.0000° ,Azm245.0000°; P -2.4170,Plg36.0000°,Azm147.0000° $M_0$2.36000×10^{17}

NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s228.00000°,δ23.00000°,λ76.00000°. NP2:ϕ_s63.00000° ,δ67.00000°,λ96.00000°.

GFZ Error ellipse: s-maj=4.5km s-min=3.6km az=178.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.47 $M_{\theta\theta}$-2.42 $M_{\phi\phi}$-0.06 $M_{r\theta}$1.54 $M_{\theta\phi}$-0.66 $M_{\phi r}$0.53 NP1: ϕ_s73.01778°,δ61.37519°,λ87.63388°. NP2:ϕ_s257.94736°,δ28.71419°,λ94.32583°. Principal axes: T 2.9524,Plg73.5176°,Azm337.1120°; N 0.1109,Plg2.0768°,Azm74.1518° ; P -3.0632,Plg16.3436°,Azm164.7611° $M_0$3.00932×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110311637A. Moment Tensor Solution. s147,c304; s155,c338;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.78±.04 $M_{\theta\theta}$-2.43±.03; $M_{\phi\phi}$-0.35±.03; $M_{r\theta}$2.80±.05; $M_{\theta\phi}$-1.24±.02; $M_{\phi r}$1.00±.04; Best double couple: NP1: ϕ_s240.00000°,δ22.00000°,λ82.00000°. NP2:ϕ_s69.00000°,δ68.00000°,λ93.00000°. Principal axes: T 4.0430,Plg67.0000°,Azm345.0000°; N 0.2090,Plg3.0000°,Azm248.0000° ; P -4.2570,Plg23.0000°,Azm156.0000° $M_0$4.15000×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.79 $M_{\theta\theta}$-1.65 $M_{\phi\phi}$-0.14 $M_{r\theta}$2.85 $M_{\theta\phi}$-1.00 $M_{\phi r}$1.39 NP1:ϕ_s242.78000°,δ15.92000° ,λ88.83000°. NP2:ϕ_s63.99000°,δ74.08000°,λ90.33000°. Principal axes: T 3.5569,Plg61.0000°,Azm334.0000°; N 0.3609,Plg0.0000°,Azm244.0000° ; P -3.9177,Plg29.0000°,Azm154.0000° $M_0$3.75000×10^{17}

(233) Near south coast of western Honshu

ISC	**X**	**31 20 35 40.0–.46**	**33.25N–.03**	**135.70E–.03**	**12–2**	**4.9b,4.3s**	**531**	**0-153**
BJI	X	31 20 35 35.7	33.10N	135.94E	10	5.1b,4.9s		**¶621244767**
IDC	X	31 20 35 37.9–.42	33.24N	135.70E	0	4.7b,4.6		
MOS	X	31 20 35 38.5–.98	33.30N	135.64E	13	5.2b,4.7s		
NEIC	X	31 20 35 39.5	33.28N	135.61E	5	5.2b,4.7s		
NEIC	X	31 20 35 40.1–2.0	33.29N–.06	135.63E–.05	10–1	5.0b,4.7		
JMA	X	31 20 35 41.1–.06	33.3N–.20	135.7E–.30	20–0	5.0,4.8W		
GFZ	X	31 20 35 41.5–.29	33N–4.0	136E–4.0	10	5.5b,5.1b		
NIED	X	31 20 35 41.1	33.28N	135.67E	20	4.8W,5.1b		
GCMT	X	31 20 35 46.2–.20	33.25N–.02	135.47E–.03	20–1	4.9W,5.1b		

ISC Event type ke.

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.17 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$0.03 $M_{r\theta}$1.06 $M_{\theta\phi}$0.09 $M_{\phi r}$0.43 NP1:ϕ_s76.97000°,δ67.50000°,λ76.22000°. NP2:ϕ_s289.63000°,δ26.20000° ,λ119.90000°. Principal axes: T 1.6886,Plg65.0000°,Azm324.0000°; N -0.0817,Plg13.0000° ,Azm82.0000°; P -1.6069,Plg21.0000°,Azm177.0000° $M_0$1.65000×10^{16}

JMA Event type fe. S OFF KII PENINSULA .

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.95 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$0.22 $M_{r\theta}$1.18 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.41 NP1:ϕ_s272.00000°,δ21.00000°,λ108.00000°. NP2:ϕ_s72.00000° ,δ70.00000°,λ83.00000°. $M_0$1.65000×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110312035A. Moment Tensor Solution. s35,c40; s94,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.09±.13 $M_{\theta\theta}$-2.01±.08; $M_{\phi\phi}$-0.07±.07; $M_{r\theta}$1.82±.15; $M_{\theta\phi}$-0.38±.05; $M_{\phi r}$-0.12±.15; Best double couple: NP1:ϕ_s251.00000°,δ25.00000° ,λ74.00000°. NP2:ϕ_s89.00000°,δ66.00000°,λ98.00000°. Principal axes: T 2.8020,Plg68.0000°,Azm13.0000°; N -0.0610,Plg7.0000°,Azm265.0000° ; P -2.7380,Plg20.0000°,Azm173.0000° $M_0$2.77000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**X**	**31 21 14 46.8–.29**	**36.46N–.03**	**140.68E–.03**	**58–2**	**5.4b,4.3s**	**1518**	**0-167**
BJI	X	31 21 14 42.3	36.38N	140.90E	52	5.4b,5.3b		**¶621244769**
MOS	X	31 21 14 45.0–.87	36.66N	140.55E	45	5.9b,4.4s		
JMA	X	31 21 14 46.4–.08	36.5N–.20	140.6E–.40	57–0	5.3,5.2W		
NIED	X	31 21 14 46.4	36.46N	140.61E	57	5.2W,5.2W		
GFZ	X	31 21 14 47.9	36.44N	140.64E	69	5.2W,5.2W		
NEIC	X	31 21 14 47.6–1.1	36.53N–.05	140.53E–.08	55–4	5.2b,5.2W		
GFZ	X	31 21 14 47.1–.36	36N–3.0	141E–4.0	70–3	5.7b,5.7L		
NEIC	X	31 21 14 47.6	36.54N	140.52E	55	5.7b,5.7L		
IDC	X	31 21 14 48.4–.96	36.44N	140.63E	68–8	5.3,5.0b		
GCMT	X	31 21 14 50.1–.10	36.46N–.01	140.67E–.01	56–0	5.2W,5.0b		
NEIC	X	31 21 14 51.6	36.44N	140.65E	60	5.2,5.0b		

ISC Event type ke.

MOS Error ellipse: s-maj=6.0km s-min=3.5km az=115.7.

JMA Event type fe. NORTHERN IBARAKI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.55 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-4.13 $M_{r\theta}$2.02 $M_{\theta\phi}$-1.41 $M_{\phi r}$4.88 NP1:ϕ_s186.00000°,δ19.00000°,λ75.00000°. NP2:ϕ_s22.00000° ,δ71.00000°,λ95.00000°. $M_0$6.65000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.81 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-5.05 $M_{r\theta}$0.90 $M_{\theta\phi}$-1.33 $M_{\phi r}$4.33 NP1: ϕ_s194.64640°,δ24.51210°,λ92.19967°. NP2:ϕ_s12.22909°,δ65.50715°,λ88.99734°. Principal axes: T 6.4681,Plg69.4767°,Azm280.2065°; N 0.5481,Plg0.9124°,Azm12.6448° ; P -7.0162,Plg20.5011°,Azm102.9860° $M_0$6.75883×10^{16}

NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se.

IDC Error ellipse: s-maj=8.8km s-min=6.8km az=70.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110312114A. Moment Tensor Solution. s113,c189; s150,c277;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.72±.01 $M_{\theta\theta}$-0.01±.01; $M_{\phi\phi}$-0.71±.01; $M_{r\theta}$0.18±.01; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$0.46±.01; Best double couple: NP1: ϕ_s192.00000°,δ28.00000°,λ83.00000°. NP2:ϕ_s19.00000°,δ62.00000°,λ94.00000°. Principal axes: T 0.8730,Plg73.0000°,Azm297.0000°; N 0.0450,Plg3.0000°,Azm197.0000° ; P -0.9180,Plg17.0000°,Azm106.0000° $M_0$0.89600×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}5.93 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$-4.79 $M_{r\theta}$1.49 $M_{\theta\phi}$-0.16 $M_{\phi r}$3.81 NP1:ϕ_s176.90000°,δ27.32000° ,λ75.66000°. NP2:ϕ_s12.95000°,δ63.60000°,λ97.29000°. Principal axes: T 7.3664,Plg71.0000°,Azm299.0000°; N -1.2904,Plg7.0000°,Azm190.0000° ; P -6.0759,Plg18.0000°,Azm98.0000° $M_0$6.81000×10^{16}

(188) Loyalty Islands

ISC	**XI**	**01 00 00 48.3–.29**	**21.48S–.04**	**168.95E–.05**	**29**	**5.1b,4.5s**	**514**	**2-161**
IDC	XI	01 00 00 43.9–.52	21.54S	169.01E	0	4.9b,4.9		**¶621883452**
BJI	XI	01 00 00 44.2	21.20S	169.22E	9	5.2b,5.1s		
NEIC	XI	01 00 00 45.7–1.4	21.48S–.07	168.91E–.08	10–1	5.1b,5.1s		
GFZ	XI	01 00 00 47.8–.27	21S–4.0	169E–4.0	10	5.6b,5.5L		
NOU	XI	01 00 00 49.7	21.47S	168.91E	39	5.3b,5.5L		

ISC Event type se.

IDC Error ellipse: s-maj=17.6km s-min=11.0km az=162.0.

NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.2km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NOU Loyalty Islands.

(153) South Sandwich Islands region

ISC	**XI**	**01 00 02 49.9–.53**	**58.15S–.04**	**25.46W–.04**	**30–3**	**6.0b,5.7s**	**1219**	**7-175**
GFZ	XI	01 00 02 48.0	58.08S	25.56W	30	5.9W,5.7s		**¶621244913**
BJI	XI	01 00 02 47.6	58.00S	25.50W	30	6.0s,5.9b		
ISC-P	XI	01 00 02 48	58.03S	25.27W	15–0	6.3,5.9b		
NEIC	XI	01 00 02 49.0–1.8	58.03S–.08	25.3W–.10	22–1	6.0b,5.7		
IDC	XI	01 00 02 48.6–1.3	57.94S	25.33W	22–7	5.8,5.7b		
NEIC	XI	01 00 02 49.1	58.04S	25.24W	22	5.8,5.7b		
NEIC	XI	01 00 02 49	58.04S	25.22W	22	5.8,5.7b		
MOS	XI	01 00 02 50.1–1.1	58.02S	25.36W	38	6.1b,5.7s		
IPGP	XI	01 00 02 51.0	58.05S	25.32W	25	6.1W,5.7s		
GFZ	XI	01 00 02 52.0–.11	58S–3.0	26W–2.0	41	6.4b,6.1		
PTWC	XI	01 00 02 53	57.90S	24.80W	86	6.2,6.1		
GCMT	XI	01 00 02 54.2–.10	58.10S	24.72W	38–0	6.0W,6.1		
NEIC	XI	01 00 02 55.7	58.04S	24.86W	40	6.0,6.1		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}8.79 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$-8.13 $M_{r\theta}$0.57 $M_{\theta\phi}$2.52 $M_{\phi r}$3.09 NP1: ϕ_s154.33763°,δ36.89916°,λ75.88288°. NP2:ϕ_s351.79577°,δ54.38924°,λ100.37721°. Principal axes: T 9.4374,Plg77.7415°,Azm298.6577°; N -0.1051,Plg8.4208°,Azm165.7094° ; P -9.3323,Plg8.8436°,Azm74.3896° $M_0$9.38531×10^{17}

ISC-P Moment Tensor Solution. s28 Moment tensor: Scale 10^{18}Nm; M_{rr}0.58±.16 $M_{\theta\theta}$0.11±.17; $M_{\phi\phi}$-0.68±.16; $M_{r\theta}$0.04±.16; $M_{\theta\phi}$0.20±.25; $M_{\phi r}$0.23±.13; NP1:ϕ_s355.30000°,δ53.60000° ,λ103.50000°. NP2:ϕ_s153.20000°,δ38.50000°,λ72.40000°. $M_0$4.03000×10^{18}

NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.5km az=35.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.79 $M_{\theta\theta}$-1.77 $M_{\phi\phi}$-3.02 $M_{r\theta}$-0.63 $M_{\theta\phi}$0.72 $M_{\phi r}$3.03 NP1:ϕ_s342.84000°,δ63.57000°,λ93.85000°. NP2:ϕ_s154.24000°,δ26.69000° ,λ82.30000°. Principal axes: T 5.8439,Plg71.0000°,Azm261.0000°; N -1.4808,Plg3.0000° ,Azm161.0000°; P -4.3631,Plg18.0000°,Azm70.0000° $M_0$5.26000×10^{17}

IDC Error ellipse: s-maj=15.0km s-min=11.8km az=55.0.

NEIC Event type se.

NEIC Event type se.

MOS Error ellipse: s-maj=18.5km s-min=10.6km az=97.4.

IPGP Moment Tensor Solution. NP1:ϕ_s176.00000°,δ35.00000°,λ97.00000°. NP2:ϕ_s347.00000° ,δ56.00000°,λ85.00000°.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

PTWC SOUTH SANDWICH ISLANDS REGION.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111010002A. Moment Tensor Solution. s171,c389; s168,c597;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}1.11±.01 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$-1.14±.01; $M_{r\theta}$-0.12±.01; $M_{\theta\phi}$0.15±.00; $M_{\phi r}$0.52±.01; Best double couple: NP1:ϕ_s176.00000°,δ33.00000°,λ95.00000°. NP2:ϕ_s350.00000°,δ58.00000°,λ87.00000°. Principal axes: T 1.2290,Plg77.0000°,Azm251.0000°; N 0.0510,Plg2.0000°,Azm352.0000° ; P -1.2760,Plg12.0000°,Azm82.0000° $M_0$1.25200×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 5s4 Moment tensor: Scale 10^{18}Nm; M_{rr}1.05 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-1.11 $M_{r\theta}$-0.16 $M_{\theta\phi}$0.19 $M_{\phi r}$0.32 NP1:ϕ_s177.49000°,δ36.72000° ,λ99.94000°. NP2:ϕ_s345.16000°,δ53.92000°,λ82.67000°. Principal axes: T 1.1082,Plg79.0000°,Azm225.0000°; N 0.0786,Plg6.0000°,Azm349.0000° ; P -1.1868,Plg9.0000°,Azm80.0000° $M_0$1.15000×10^{18}

(174) Tonga Islands region

ISC	**XI**	**01 00 21 37.4–.36**	**23.62S–.06**	**174.53W–.06**	**10**	**5.5s,4.8b**	**143**	**6-162**
NEIC	XI	01 00 21 36.7–1.1	23.51S–.07	174.45W–.09	10–1	4.7b,4.8b		**¶621244916**
IDC	XI	01 00 21 42.7–.49	23.41S	175.42W	0	5.4s,4.6		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.1km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=18.2km s-min=13.0km az=120.0.

(153) South Sandwich Islands region

ISC	**XI**	**01 04 40 35.7–.34**	**58.01S–.07**	**24.45W–.07**	**10**	**4.8b,3.9s**	**204**	**8-154**
IDC	XI	01 04 40 34.9–.55	57.88S	24.36W	0	4.5L,4.5b		**¶621244959**
NEIC	XI	01 04 40 36.0–1.5	58.0S–.10	24.5W–.20	10–1	5.0b,4.5b		
GFZ	XI	01 04 40 39.7–.22	58S–4.0	25W–4.0	33	5.8b,5.4		
GCMT	XI	01 04 40 40.2–.40	58.22S–.05	23.98W–.04	24–1	4.9W,5.4		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111010440A. Moment Tensor Solution. s20,c22; s77,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.87±.23 $M_{\theta\theta}$-0.34±.14; $M_{\phi\phi}$-2.53±.14; $M_{r\theta}$0.13±.19; $M_{\theta\phi}$0.21±.07; $M_{\phi r}$0.49±.15; Best double couple: NP1:ϕ_s172.00000°,δ40.00000°,λ85.00000°. NP2:ϕ_s358.00000°,δ50.00000°,λ94.00000°. Principal axes: T 2.9200,Plg84.0000°,Azm297.0000°; N -0.3300,Plg3.0000°,Azm175.0000°; P -2.5910,Plg5.0000°,Azm85.0000° $M_0$2.75600×10^{16}

(186) Vanuatu Islands

ISC	**XI**	**01 06 50 36.3–.40**	**14.16S–.05**	**167.20E–.06**	**10**	**4.6b,3.7s**	**117**	**1-151**
NEIC	XI	01 06 50 35.5–.99	14.12S–.02	167.30E–.08	10–1	4.5b,3.7s		**¶621244958**
GFZ	XI	01 06 50 36.2–.23	14S–3.0	167E–4.0	10	7.5,7.4b		
IDC	XI	01 06 50 37.1–.58	14.23S	166.81E	0	4.4L,4.3b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=4.5km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=17.3km s-min=13.0km az=75.0.

(273) Southwest of Sumatera

ISC	**XI**	**01 17 04 17.1–.30**	**0.17N–.02**	**96.69E–.02**	**18–1**	**5.8b,5.7s**	**2520**	**1-175**
BJI	XI	01 17 04 11.2	0.20S	96.63E	10	6.1s,6.0b		**¶621246756**
IDC	XI	01 17 04 13.9–.28	0.22N	96.72E	0	5.4b,5.4		
MOS	XI	01 17 04 14.7–.90	0.25N	96.70E	12	5.9b,5.5s		
DJA	XI	01 17 04 15.9–.10	0N–1.0	97E–1.0	10	6.4,6.2b		
ISC-P	XI	01 17 04 16	0.21N	96.71E	16–0	6.2,6.2b		
GFZ	XI	01 17 04 16.6	0.20N	96.68E	11	5.8W,6.2b		
NEIC	XI	01 17 04 16.6–2.0	0.21N–.06	96.71E–.07	8–1	5.8,5.8b		
NEIC	XI	01 17 04 16.8	0.20N	96.71E	10	5.8,5.8b		
IPGP	XI	01 17 04 16.0	0.21N	96.74E	8	6.0W,5.8b		
BGR	XI	01 17 04 17.4	0.32N	96.23E	10	5.6b,5.4s		
NEIC	XI	01 17 04 17.1	0.23N	96.75E	11	5.6b,5.4s		
GFZ	XI	01 17 04 17.0–.20	0N–3.0	97E–3.0	10	6.2b,6.0L		
PTWC	XI	01 17 04 19	0.20N	96.70E	47	6.1,6.0L		
GCMT	XI	01 17 04 19.8–.00	0.25N	96.67E	12	5.9W,6.0L		
NEIC	XI	01 17 04 23.2	0.33N	96.55E	18	6.0,6.0L		

ISC Event type ke.
IDC Error ellipse: s-maj=7.7km s-min=5.7km az=61.0.
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=110.2.
ISC-P Moment Tensor Solution. s50 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.49±.11 $M_{\theta\theta}$0.01±.22; $M_{\phi\phi}$0.58±.16; $M_{r\theta}$0.29±.18; $M_{\theta\phi}$-0.08±.24; $M_{\phi r}$-0.35±.15; NP1:ϕ_s311.70000°,δ58.70000°,λ240.80000°. NP2:ϕ_s178.80000°,δ41.80000°,λ-51.20000°. $M_0$2.95000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-6.35 $M_{\theta\theta}$0.26 $M_{\phi\phi}$6.08 $M_{r\theta}$0.98 $M_{\theta\phi}$-1.04 $M_{\phi r}$-2.30 NP1: ϕ_s174.85654°,δ34.62172°,λ-82.21766°. NP2:ϕ_s345.42705°,δ55.74182°,λ-95.34100°. Principal axes: T 6.7195,Plg10.5939°,Azm79.2665°; N 0.1261,Plg4.4124°,Azm348.4396°; P -6.8456,Plg78.5043°,Azm236.1423° $M_0$6.78343×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.0km az=252.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.48 $M_{\theta\theta}$0.37 $M_{\phi\phi}$5.11 $M_{r\theta}$2.61 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.45 NP1:ϕ_s339.41000°,δ51.34000°,λ-116.89000°. NP2:ϕ_s198.47000°,δ45.86000°,λ-60.52000°. Principal axes: T 5.1369,Plg3.0000°,Azm88.0000°; N 1.3564,Plg21.0000°,Azm357.0000°; P -6.4933,Plg69.0000°,Azm186.0000° $M_0$5.93000×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s330.00000°,δ43.00000°,λ-115.00000°. NP2:ϕ_s182.00000°,δ52.00000°,λ-69.00000°.
BGR Event type ke.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111011704A. Moment Tensor Solution. s144,c332; s162,c596;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.79±.00 $M_{\theta\theta}$-0.03±.00; $M_{\phi\phi}$0.81±.00; $M_{r\theta}$0.35±.01; $M_{\theta\phi}$-0.20±.00; $M_{\phi r}$0.16±.01; Best double couple: NP1:ϕ_s327.00000°,δ46.00000°,λ-122.00000°. NP2:ϕ_s189.00000°,δ52.00000°,λ-61.00000°. Principal axes: T 0.8670,Plg3.0000°,Azm259.0000°; N 0.0880,Plg23.0000°,Azm350.0000°; P -0.9550,Plg67.0000°,Azm161.0000° $M_0$0.91100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.94 $M_{\theta\theta}$0.04 $M_{\phi\phi}$0.90 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.11 $M_{\phi r}$0.46 NP1:ϕ_s335.27000°,δ36.23000°,λ-124.94000°. NP2:ϕ_s196.16000°,δ61.02000°,λ-67.24000°. Principal axes: T 1.0096,Plg13.0000°,Azm270.0000°; N 0.2090,Plg20.0000°,Azm5.0000°; P -1.2186,Plg66.0000°,Azm148.0000° $M_0$1.13000×10^{18}

(92) Leeward Islands

ISC	**XI**	**01 22 08 17.2–.37**	**18.43N–.03**	**62.33W–.03**	**31–2**	**4.9b,4.2s**	**611**	**1-164**
IDC	XI	01 22 08 13.0–.45	18.43N	62.33W	0	4.5b,4.5		**¶621252409**
TRN	XI	01 22 08 15.7	18.60N	62.27W	14	5.4,4.5		
CATAC	XI	01 22 08 16.7–.34	19N–2.0	62W–2.0	42–4	5.5,5.3b		
NEIC	XI	01 22 08 17.7	18.45N	62.33W	33	5.5,5.3b		
NEIC	XI	01 22 08 17.8	18.43N	62.35W	30	5.5,5.3b		
NEIC	XI	01 22 08 17.5–1.6	18.43N–.06	62.34W–.04	31–3	5.0b,4.9		
GFZ	XI	01 22 08 19.0–.20	18N–2.0	62W–2.0	44–2	5.8b,5.3		
NEIC	XI	01 22 08 19.2	18.35N	62.43W	30	5.0,5.3		
GFZ	XI	01 22 08 19.8	18.34N	62.43W	36	4.9W,5.3		
GCMT	XI	01 22 08 20.9–.20	18.50N–.01	62.35W–.01	32–1	5.0W,5.3		

ISC Event type ke.
TRN North-east of Anguilla.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27 $M_{\theta\theta}$2.35 $M_{\phi\phi}$-2.08 $M_{r\theta}$-0.62 $M_{\theta\phi}$0.02 $M_{\phi r}$1.08 NP1:ϕ_s132.77346°,δ81.94937°,λ-28.54406°. NP2:ϕ_s227.12981°,δ61.76265°,λ-170.85312°. Principal axes: T 2.5024,Plg13.6223°,Azm183.0459°; N 0.1011,Plg60.4345°,Azm298.3354°; P -2.6034,Plg25.6949°,Azm86.3498° $M_0$2.55438×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.24 $M_{\theta\theta}$2.38 $M_{\phi\phi}$-2.14 $M_{r\theta}$-0.59 $M_{\theta\phi}$0.03 $M_{\phi r}$1.02 NP1: ϕ_s132.84630°,δ82.51024°,λ-26.90856°. NP2:ϕ_s226.63115°,δ63.33927°,λ-171.61311°. Principal axes: T 2.5157,Plg13.0095°,Azm182.5185°; N 0.0843,Plg62.1437°,Azm298.4420°; P -2.6000,Plg24.1706°,Azm86.5667° $M_0$2.55887×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35 $M_{\theta\theta}$2.44 $M_{\phi\phi}$-2.09 $M_{r\theta}$-0.68 $M_{\theta\phi}$-0.14 $M_{\phi r}$1.11 NP1: ϕ_s134.55135°,δ82.13134°,λ-29.85067°. NP2:ϕ_s229.04361°,δ60.45844°,λ-170.94632°. Principal axes: T 2.6259,Plg14.5863°,Azm185.2265°; N 0.0069,Plg59.2223°,Azm301.1339°; P -2.6328,Plg26.4520°,Azm87.7875° $M_0$2.62934×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.42 $M_{\theta\theta}$2.23 $M_{\phi\phi}$-1.80 $M_{r\theta}$-0.62 $M_{\theta\phi}$-0.32 $M_{\phi r}$1.03 NP1: ϕ_s136.64681°,δ81.25008°,λ-31.46502°. NP2:ϕ_s231.96531°,δ58.94217°,λ-169.77126°. Principal axes: T 2.4414,Plg14.9059°,Azm188.0280°; N -0.0837,Plg57.4617°,Azm302.6871°; P -2.3578,Plg28.1879°,Azm89.8264° $M_0$2.40068×10^{16}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.01 $M_{\theta\theta}$2.50 $M_{\phi\phi}$-2.51 $M_{r\theta}$-1.13 $M_{\theta\phi}$-0.13 $M_{\phi r}$1.01 NP1:ϕ_s225.81000°,δ58.91000°,λ178.34000°. NP2:ϕ_s316.67000°,δ88.58000°,λ31.10000°. Principal axes: T 2.9846,Plg23.0000°,Azm186.0000°; N -0.1005,Plg59.0000°,Azm319.0000°; P -2.8841,Plg20.0000°,Azm87.0000° $M_0$2.94000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.34 $M_{\theta\theta}$2.90 $M_{\phi\phi}$-2.56 $M_{r\theta}$-1.63 $M_{\theta\phi}$0.37 $M_{\phi r}$1.48 NP1:ϕ_s222.42000°,δ51.06000°,λ-174.98000°. NP2:ϕ_s129.26000°,δ86.09000°,λ-39.05000°. Principal axes: T 3.5861,Plg23.0000°,Azm183.0000°; N -0.0960,Plg51.0000°,Azm304.0000°; P -3.4901,Plg30.0000°,Azm78.0000° $M_0$3.54000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.43 $M_{\theta\theta}$2.80 $M_{\phi\phi}$-2.36 $M_{r\theta}$-1.33 $M_{\theta\phi}$-0.37 $M_{\phi r}$1.25 NP1: ϕ_s136.58194°,δ86.16295°,λ-35.79701°. NP2:ϕ_s229.34479°,δ54.29555°,λ-175.27297°. Principal axes: T 3.3791,Plg21.4292°,Azm188.5484°; N -0.3855,Plg54.0253°,Azm311.2803°; P -2.9935,Plg27.3864°,Azm86.8168° $M_0$3.20376×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111012208A. Moment Tensor Solution. s40,c52; s108,c165; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.30±.13 $M_{\theta\theta}$3.11±.10; $M_{\phi\phi}$-2.81±.10; $M_{r\theta}$-1.90±.14; $M_{\theta\phi}$0.12±.09; $M_{\phi r}$2.27±.16; Best double couple: NP1:ϕ_s226.00000°,δ45.00000°,λ-175.00000°. NP2:ϕ_s133.00000°,δ86.00000°,λ-45.00000°. Principal axes: T 4.0680,Plg27.0000°,Azm189.0000°; N 0.2480,Plg45.0000°,Azm309.0000°; P -4.3130,Plg33.0000°,Azm80.0000° $M_0$4.19100×10^{16}

(705) Off west coast of northern Sumatera

ISC	**XI**	**02 01 09 55.1–.53**	**0.17N–.05**	**96.71E–.06**	**10**	**4.2b,3.5s**	**129**	**1-145**
IDC	XI	02 01 09 53.1–.80	0.02S	96.64E	0	4.0L,4.0b		**¶621401314**
DJA	XI	02 01 09 53.5–1.2	0N–2.0	97E–3.0	12–10	5.7b,5.2		
NEIC	XI	02 01 09 56.4–1.6	0.23N–.05	96.85E–.04	10–1	4.4b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(189) Southeast of Loyalty Islands

ISC	**XI**	**02 02 28 08.2–.40**	**22.80S–.03**	**171.66E–.03**	**20–3**	**5.4b,5.2s**	**1007**	**4-167**
IDC	XI	02 02 28 05.2–.38	22.65S	171.57E	0	5.1b,5.1		**¶626091102**
MOS	XI	02 02 28 05.1–1.3	22.58S	171.50E	3	5.4b,5.3s		
NEIC	XI	02 02 28 07.7–1.7	22.77S–.07	171.61E–.08	10–1	5.4b,5.3		
GFZ	XI	02 02 28 08.7–.15	23S–3.0	172E–3.0	19	5.9b,5.5		
GFZ	XI	02 02 28 11.7	22.59S	171.56E	45	5.3W,5.5		
GCMT	XI	02 02 28 13.5–.10	22.64S–.01	171.50E–.01	12	5.5W,5.5		
NOU	XI	02 02 28 14.7	22.75S	171.40E	57	5.4b,5.5		

ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=11.9km az=20.0.
MOS Error ellipse: s-maj=9.7km s-min=8.8km az=124.9.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=11.4km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.15 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$0.56 $M_{r\theta}$0.44 $M_{\theta\phi}$0.67 $M_{\phi r}$-0.60 NP1: ϕ_s155.06515°,δ87.78838°,λ140.91792°. NP2:ϕ_s246.86030°,δ50.95257°,λ2.84820°. Principal axes: T 1.0574,Plg28.2122°,Azm103.5922°; N 0.2397,Plg50.8654°,Azm332.3447°; P -1.2971,Plg24.7187°,Azm207.8900° $M_0$1.19540×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111020228A. Moment Tensor Solution. s130,c221; s150,c287;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.49±.01 $M_{\theta\theta}$-1.11±.01; $M_{\phi\phi}$0.61±.01; $M_{r\theta}$2.32±.03; $M_{\theta\phi}$0.34±.01; $M_{\phi r}$-0.91±.04; Best double couple: NP1: ϕ_s250.00000°,δ12.00000°,λ48.00000°. NP2:ϕ_s113.00000°,δ81.00000°,λ98.00000°. Principal axes: T 2.3330,Plg53.0000°,Azm33.0000°; N 0.6130,Plg8.0000°,Azm292.0000°; P -2.9500,Plg36.0000°,Azm196.0000° $M_0$2.64200×10^{17}
NOU Southeast of Loyalty Islands.

(83) South of Panama

ISC	**XI**	**02 08 31 51.2–.41**	**5.49N–.04**	**82.57W–.04**	**10**	**4.5b,3.5s**	**417**	**3-141**
GFZ	XI	02 08 31 50.7–.18	5N–3.0	82W–5.0	10	5.5b,5.3		**¶621252463**
IDC	XI	02 08 31 50.3–.77	5.38N	82.71W	0	4.2,4.1b		
NEIC	XI	02 08 31 52.3–1.9	5.40N–.07	82.69W–.08	10–1	4.6b,4.1b		
UCR	XI	02 08 31 53.2–1.1	5.50N	82.59W	37–30	4.5W,4.1b		
UPA	XI	02 08 31 55.5–2.0	5.78N	82.61W	10	4.5W,4.1b		
GCMT	XI	02 08 31 56.8–.30	5.37N–.02	82.55W–.02	22–1	4.8W,4.1b		
CATAC	XI	02 08 31 58.2–.49	6N–6.0	83W–2.0	15–7	5.4b,5.1		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111020831A. Moment Tensor Solution. s11,c12; s85,c114; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.12 $M_{\theta\theta}$0.12±.09; $M_{\phi\phi}$0.05±.10; $M_{r\theta}$-0.15±.13; $M_{\theta\phi}$1.78±.07; $M_{\phi r}$0.19±.13; Best double couple: NP1:ϕ_s90.00000°,δ83.00000°,λ-6.00000°. NP2:ϕ_s181.00000°,δ84.00000°,λ-173.00000°. Principal axes: T 1.8680,Plg1.0000°,Azm315.0000°; N -0.1390,Plg81.0000°,Azm221.0000°; P -1.7290,Plg9.0000°,Azm46.0000° $M_0$1.79800×10^{16}
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.86 $M_{\theta\theta}$1.05 $M_{\phi\phi}$4.81 $M_{r\theta}$-1.23 $M_{\theta\phi}$-3.04 $M_{\phi r}$-0.74 NP1:ϕ_s136.83716°,δ46.56317°,λ-110.10767°. NP2:ϕ_s344.87098°,δ47.00976°,λ-70.04530°. Principal axes: T 6.5068,Plg0.2301°,Azm60.9064°; N -0.2803,Plg14.4559°,Azm150.9658°; P -6.2266,Plg75.5422°,Azm330.0138° $M_0$6.37134×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.19 $M_{\theta\theta}$1.55 $M_{\phi\phi}$2.63 $M_{r\theta}$0.89 $M_{\theta\phi}$-1.85 $M_{\phi r}$-3.88 NP1: ϕ_s130.82861°,δ25.31180°,λ-115.65861°. NP2:ϕ_s338.81456°,δ67.33242°,λ-78.42636°. Principal axes: T 5.4620,Plg21.5130°,Azm60.0434°; N 0.4769,Plg10.6687°,Azm154.3019°; P -5.9388,Plg65.7453°,Azm269.0173° $M_0$5.71532×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.58 $M_{\theta\theta}$-2.62 $M_{\phi\phi}$3.20 $M_{r\theta}$-0.37 $M_{\theta\phi}$-0.47 $M_{\phi r}$-4.96 NP1: ϕ_s128.52921°,δ18.90833°,λ-153.48713°. NP2:ϕ_s13.26459°,δ81.68254°,λ-72.95889°. Principal axes: T 6.6148,Plg34.5178°,Azm88.6983°; N -2.4150,Plg16.8565°,Azm190.7258°; P -4.1999,Plg50.4652°,Azm302.2631° $M_0$5.79771×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.04 $M_{\theta\theta}$-2.84 $M_{\phi\phi}$-0.20 $M_{r\theta}$-1.40 $M_{\theta\phi}$2.94 $M_{\phi r}$-4.08 NP1: ϕ_s159.04639°,δ66.09727°,λ132.59488°. NP2:ϕ_s272.83018°,δ47.69937°,λ33.21801°. Principal axes: T 6.6702,Plg49.6768°,Azm116.7415°; N -1.7202,Plg38.2259°,Azm318.6150°; P -4.9500,Plg10.9171°,Azm219.8767° $M_0$5.99802×10^{16}

(705) Off west coast of northern Sumatera

ISC	**XI**	**02 10 04 07.7–.79**	**0.23N–.04**	**96.68E–.04**	**11–4**	**4.8b,3.8s**	**445**	**1-158**
IDC	XI	02 10 04 06.1–.44	0.18N	96.52E	0	4.5b,4.5		**¶621252715**
DJA	XI	02 10 04 07.2–.30	0N–2.0	97E–3.0	10	5.7b,5.2		
NEIC	XI	02 10 04 08.0–.95	0.28N–.06	96.70E–.06	10–1	4.7b,5.2		
GFZ	XI	02 10 04 08.0–.17	0N–3.0	97E–3.0	10	5.2b,4.8b		
GCMT	XI	02 10 04 10.8–.30	0.35N–.03	96.56E–.02	12	4.8W,4.8b		
BKK	XI	02 10 04 10.8–1.1	0N–7.0	97E–11	10	4.6b,4.6L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111021004A. Moment Tensor Solution. s19,c22; s90,c125; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.63±.05 $M_{\theta\theta}$0.24±.05; $M_{\phi\phi}$1.39±.05; $M_{r\theta}$1.75±.20; $M_{\theta\phi}$-0.53±.04; $M_{\phi r}$0.42±.19; Best double couple: NP1:ϕ_s179.00000°,δ43.00000°,λ-43.00000°. NP2:ϕ_s302.00000°,δ62.00000°,λ-125.00000°. Principal axes: T 1.6460,Plg11.0000°,Azm57.0000°; N 1.1300,Plg30.0000°,Azm320.0000°; P -2.7740,Plg58.0000°,Azm164.0000° $M_0$2.21000×10^{16}

(296) Myanmar

ISC	**XI**	**02 13 29 31.3–.73**	**26.60N–.04**	**96.78E–.03**	**11–4**	**4.8b,3.5s**	**310**	**1-148**
BJI	XI	02 13 29 29.7	26.59N	96.70E	11	4.8b,4.5b		**¶621254046**
IDC	XI	02 13 29 29.7–.47	26.61N	96.81E	0	4.3b,4.3		
NEIC	XI	02 13 29 31.9–.97	26.65N–.07	96.80E–.08	10–1	4.8b,4.3		
GFZ	XI	02 13 29 33.4–.22	27N–4.0	97E–5.0	10	6.0b,5.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(421) Carlsberg Ridge

ISC	**XI**	**02 14 30 51.8–.34**	**0.44N–.05**	**67.16E–.04**	**10**	**4.8b,4.3s**	**357**	**9-152**
BJI	XI	02 14 30 43.5	0.31S	66.83E	10	5.2b,4.8b		**¶621254052**
IDC	XI	02 14 30 50.0–.67	0.61N	67.13E	0	4.3b,4.3		
GFZ	XI	02 14 30 51.4–.31	0N–6.0	67E–3.0	10	5.7b,5.2		
GFZ	XI	02 14 30 51.3	0.36N	67.30E	10	5.1W,5.2		
NEIC	XI	02 14 30 52.0–2.0	0.5N–.10	67.19E–.09	10–1	4.9b,5.2		
GCMT	XI	02 14 30 54.1–.20	0.42N–.01	67.14E–.01	16–0	5.1W,5.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.03 $M_{\theta\theta}$-3.88 $M_{\phi\phi}$3.85 $M_{r\theta}$-1.29 $M_{\theta\phi}$-2.76 $M_{\phi r}$-1.36 NP1:

ϕ_s118.24492°,δ69.64277°,λ-175.34714°. NP2:ϕ_s26.62319°,δ85.63833°,λ-20.41899°. Principal axes: T 4.9052,Plg11.0816°,Azm74.1483°; N 0.3751,Plg69.1398°,Azm195.0771° ; P -5.2803,Plg17.4432°,Azm340.6200° $M_0$5.10312×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111021430A. Moment Tensor Solution. s72,c105; s121,c224;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.72±.11 $M_{\theta\theta}$-4.98±.10; $M_{\phi\phi}$5.70±.11; $M_{r\theta}$-0.53±.29; $M_{\theta\phi}$-2.77±.09; $M_{\phi r}$-0.05±.28; Best double couple: NP1: ϕ_s31.00000°,δ85.00000°,λ-4.00000°. NP2:ϕ_s121.00000°,δ86.00000°,λ-175.00000°. Principal axes: T 6.3770,Plg1.0000°,Azm256.0000°; N -0.6690,Plg84.0000°,Azm160.0000° ; P -5.7110,Plg6.0000°,Azm346.0000° $M_0$6.04400×10^{16}

(705) Off west coast of northern Sumatera

ISC	XI	02 14 59 16.6–.40	0.17N–.05	96.66E–.05	10	4.4b,3.3s	232	1-158
IDC	XI	02 14 59 15.3–.53	0.17N	96.50E	0	4.2b,4.2		¶621254059
GFZ	XI	02 14 59 16.5–.26	0N–3.0	97E–3.0	10	5.5b,5.0		
NEIC	XI	02 14 59 16.8–1.1	0.17N–.09	96.7E–.10	10–1	4.5b,5.0		
DJA	XI	02 14 59 16.6–1.0	0N–2.0	97E–3.0	11–7	5.5b,5.0		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(702) Balleny Islands region

ISC	XI	02 17 00 46.5–.32	62.55S–.05	155.62E–.08	10	5.1b,5.0s	224	8-157
IDC	XI	02 17 00 46.5–.72	62.38S	155.83E	0	5.0s,4.7b		¶621254074
NEIC	XI	02 17 00 46.7–1.3	62.58S–.08	155.5E–.30	10–1	5.4,5.3b		
MOS	XI	02 17 00 46.7–1.1	62.30S	155.48E	10	5.3b,5.1s		
GFZ	XI	02 17 00 47.2–.21	62S–3.0	155E–5.0	10	5.7,5.5b		
GCMT	XI	02 17 00 49.6–.10	62.46S–.01	155.51E–.02	12	5.5W,5.5b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111021700A. Moment Tensor Solution. s82,c125; s142,c259;Duration: 1ş3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13±.03 $M_{\theta\theta}$1.56±.02; $M_{\phi\phi}$-1.43±.03; $M_{r\theta}$-0.81±.07; $M_{\theta\phi}$-1.19±.02; $M_{\phi r}$0.11±.07; Best double couple: NP1: ϕ_s336.00000°,δ72.00000°,λ9.00000°. NP2:ϕ_s243.00000°,δ81.00000°,λ162.00000°. Principal axes: T 2.2480,Plg19.0000°,Azm198.0000°; N -0.3870,Plg70.0000°,Azm38.0000° ; P -1.8630,Plg6.0000°,Azm291.0000° $M_0$2.05600×10^{17}

(429) Mid-Indian Ridge

ISC	XI	02 20 55 07.4–.43	12.09S–.04	65.46E–.04	16–2	5.1b,4.8s	924	8-160
BJI	XI	02 20 55 04.6	12.02S	65.39E	9	5.2b,5.1s		¶621255763
MOS	XI	02 20 55 04.4–1.2	12.09S	65.54E	10	5.3b,4.6s		
IDC	XI	02 20 55 05.1–.38	12.07S	65.63E	0	4.8L,4.7s		
NEIC	XI	02 20 55 06.2	12.13S	65.59E	10	4.8L,4.7s		
NEIC	XI	02 20 55 06.1–2.0	12.14S–.07	65.56E–.08	10–1	5.4,5.2b		
GFZ	XI	02 20 55 07.2–.26	12S–5.0	66E–4.0	10	5.6b,5.2		
GFZ	XI	02 20 55 07.5	12.04S	65.56E	12	5.3W,5.2		
GCMT	XI	02 20 55 09.5–.10	12.01S–.01	65.58E–.01	12	5.4W,5.2		
BGR	XI	02 20 55 14.7	11.26S	64.27E	10	5.2b,4.3s		

ISC Event type ke.

MOS Error ellipse: s-maj=7.4km s-min=4.2km az=99.1.

IDC Error ellipse: s-maj=13.5km s-min=11.9km az=71.0.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=13.3km s-min=12.5km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$1.40 $M_{r\theta}$0.02 $M_{\theta\phi}$0.30 $M_{\phi r}$-0.13 NP1:ϕ_s231.45000°,δ85.37000°,λ2.12000°. NP2:ϕ_s141.28000°,δ87.88000° ,λ175.37000°. Principal axes: T 1.4406,Plg5.0000°,Azm96.0000°; N -0.1194,Plg85.0000° ,Azm297.0000°; P -1.3212,Plg2.0000°,Azm186.0000° $M_0$1.38000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.21 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$1.22 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.45 $M_{\phi r}$0.16 NP1: ϕ_s146.22055°,δ88.03904°,λ-170.88515°. NP2:ϕ_s55.90600°,δ80.89053°,λ-1.98602°. Principal axes: T 1.3218,Plg5.0344°,Azm280.7183°; N -0.2088,Plg80.6783°,Azm158.2602° ; P -1.1130,Plg7.8249°,Azm11.4120° $M_0$1.23074×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111022055A. Moment Tensor Solution. s121,c217; s151,c289;Duration: 1ş3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.02 $M_{\theta\theta}$-1.51±.01; $M_{\phi\phi}$1.68±.02; $M_{r\theta}$0.08±.04; $M_{\theta\phi}$0.42±.01; $M_{\phi r}$0.63±.04; Best double couple: NP1:ϕ_s321.00000° ,δ78.00000°,λ168.00000°. NP2:ϕ_s54.00000°,δ78.00000°,λ12.00000°. Principal axes: T 1.9260,Plg17.0000°,Azm277.0000°; N -0.3540,Plg73.0000°,Azm97.0000° ; P -1.5650,Plg0.0000°,Azm187.0000° $M_0$1.74600×10^{17}

BGR Event type ke.

(705) Off west coast of northern Sumatera

ISC	XI	03 01 30 23.5–.40	0.27N–.05	96.66E–.06	20	4.6b,3.5s	194	1-145
BJI	XI	03 01 30 16.8	0.28S	96.58E	10	4.6b,3.5s		¶621255790
IDC	XI	03 01 30 20.1–.58	0.19N	96.53E	0	4.3b,4.3		
NEIC	XI	03 01 30 21.9–1.5	0.22N–.05	96.67E–.06	10–1	4.7b,4.3		
GFZ	XI	03 01 30 22.8–.43	0N–7.0	97E–6.0	10	6.0b,5.7		
DJA	XI	03 01 30 22.2–.50	0N–3.0	97E–5.0	10	5.6b,5.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(175) South of Tonga Islands

ISC	XI	03 03 19 00.2–.26	24.51S–.04	175.98W–.04	35–1	5.6b,5.5s	1068	5-168
BJI	XI	03 03 18 56.9	24.18S	175.34W	30	6.0b,5.7b		¶621255802
IDC	XI	03 03 18 56.2–.44	24.28S	176.21W	0	5.4b,5.4		
GFZ	XI	03 03 18 58.7–.46	24S–3.0	176W–3.0	26–3	6.0b,5.6		
GFZ	XI	03 03 18 59.3	24.43S	175.93W	26	5.7W,5.6		
MOS	XI	03 03 18 59.9–1.1	24.35S	176.23W	33	5.7b,5.2s		
NOU	XI	03 03 18 59.1	24.70S	175.55W	54	5.6b,5.2s		
IPGP	XI	03 03 19 00.0	24.45S	176.11W	33	5.7W,5.2s		
NEIC	XI	03 03 19 00.6–1.6	24.48S–.05	175.9W–.10	35–1	5.7b,5.6		
BGR	XI	03 03 19 01.9	23.74S	175.85W	33	5.6s,5.6		
NEIC	XI	03 03 19 01.4	24.39S	176.09W	35	5.6s,5.6		
GCMT	XI	03 03 19 04.1–.10	24.31S–.01	175.69W–.01	28–0	5.8W,5.6		
NEIC	XI	03 03 19 08.9	23.79S	175.87W	24	5.7,5.6		

ISC Event type ke.

IDC Error ellipse: s-maj=16.4km s-min=12.8km az=141.0.

GFZ Error ellipse: s-maj=7.2km s-min=5.0km az=121.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.52 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-3.47 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.94 $M_{\phi r}$2.91 NP1: ϕ_s195.01207°,δ25.16590°,λ91.03660°. NP2:ϕ_s13.86679°,δ64.83850°,λ89.51301°. Principal axes: T 4.5994,Plg70.1576°,Azm282.8522°; N 0.1924,Plg0.4408°,Azm14.0739° ; P -4.7918,Plg19.8371°,Azm104.2329° $M_0$4.69857×10^{17}

MOS Error ellipse: s-maj=10.5km s-min=9.1km az=130.7.

NOU South of Tonga Islands.

IPGP Moment Tensor Solution. NP1:ϕ_s242.00000°,δ30.00000°,λ120.00000°. NP2:ϕ_s28.00000° ,δ64.00000°,λ74.00000°.

NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.8km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

BGR Event type ke.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111030319A. Moment Tensor Solution. s140,c272; s158,c327;Duration: 1ş9 Moment tensor: Scale 10^{17}Nm; M_{rr}4.39±.06 $M_{\theta\theta}$-0.32±.04; $M_{\phi\phi}$-4.08±.04; $M_{r\theta}$0.71±.09; $M_{\theta\phi}$-1.28±.03; $M_{\phi r}$3.41±.08; Best double couple: NP1: ϕ_s201.00000°,δ26.00000°,λ96.00000°. NP2:ϕ_s14.00000°,δ64.00000°,λ87.00000°. Principal axes: T 5.6020,Plg71.0000°,Azm277.0000°; N 0.0630,Plg3.0000°,Azm15.0000° ; P -5.6710,Plg19.0000°,Azm106.0000° $M_0$5.63700×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3ş7 Moment tensor: Scale 10^{17}Nm; M_{rr}4.38 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-3.17 $M_{r\theta}$-0.15 $M_{\theta\phi}$-0.07 $M_{\phi r}$-0.39 NP1:ϕ_s0.83000°,δ42.03000° ,λ87.91000°. NP2:ϕ_s183.64000°,δ48.00000°,λ91.88000°. Principal axes: T 4.4050,Plg87.0000°,Azm117.0000°; N -1.2116,Plg1.0000°,Azm2.0000° ; P -3.1935,Plg3.0000°,Azm272.0000° $M_0$3.94000×10^{17}

(705) Off west coast of northern Sumatera

ISC	XI	03 05 09 33.2–3.4	0.26N–.05	96.61E–.07	11–21	4.0b	128	1-83
IDC	XI	03 05 09 31.2–.95	0.15N	96.49E	0	4.1L,3.9b		¶621412218
NEIC	XI	03 05 09 33.4–.89	0.22N–.05	96.6E–.10	10–1	4.4b,3.9b		
DJA	XI	03 05 09 34.7–.60	0N–2.0	97E–3.0	17–7	6.1b,5.8		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(705) Off west coast of northern Sumatera

ISC	XI	03 11 06 32.7–1.1	0.28N–.06	96.63E–.08	20	3.8b	61	1-61
DJA	XI	03 11 06 31.4–.30	0N–2.0	97E–3.0	10	6.3b,6.0		¶621412241
IDC	XI	03 11 06 54.0–6.6	1.30N	98.31E	169–38	3.5,3.1b		

ISC Event type se.

IDC Error ellipse: s-maj=149.1km s-min=19.5km az=56.0.

(272) Seram

ISC	XI	04 02 42 44.6–.36	2.95S–.02	129.32E–.02	27–2	5.6b,5.6s	1288	0-170
BJI	XI	04 02 42 40.8	3.00S	129.30E	10	5.6b,5.5s		¶621261745
IDC	XI	04 02 42 40.2–.31	3.01S	129.31E	0	5.5L,5.3s		
MOS	XI	04 02 42 40.4–.86	2.97S	129.29E	11	5.7b,5.3s		
IPGP	XI	04 02 42 42.0	2.93S	129.35E	17	5.9W,5.3s		
NEIC	XI	04 02 42 42.4	2.94S	129.35E	10	5.9W,5.3s		
GFZ	XI	04 02 42 43.6–.16	3S–3.0	129E–2.0	10	6.1b,5.8L		
GFZ	XI	04 02 42 43.4	2.99S	129.30E	21	5.7W,5.8L		
DJA	XI	04 02 42 43.9–.10	3S–1.0	129E–1.0	12	6.2b,6.0		
ISC-P	XI	04 02 42 44	2.95S	129.34E	30–0	6.1,6.0		
NEIC	XI	04 02 42 44	2.95S	129.33E	18	6.1,6.0		
NEIC	XI	04 02 42 44.0–1.6	2.95S–.05	129.34E–.05	18–1	5.7b,5.6		
PTWC	XI	04 02 42 45	3.00S	129.40E		5.9,5.6		
GCMT	XI	04 02 42 48.3–.10	2.85S	129.28E	21–0	5.8W,5.6		
NEIC	XI	04 02 42 52	2.84S	129.05E	26	5.7,5.6		

ISC Event type se.

IDC Error ellipse: s-maj=9.9km s-min=7.8km az=78.0.

MOS Error ellipse: s-maj=7.6km s-min=4.4km az=116.1.

IPGP Moment Tensor Solution. NP1:ϕ_s89.00000°,δ35.00000°,λ62.00000°. NP2:ϕ_s301.00000° ,δ60.00000°,λ108.00000°.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.08 $M_{\theta\theta}$-4.28 $M_{\phi\phi}$1.20 $M_{r\theta}$-1.53 $M_{\theta\phi}$1.06 $M_{\phi r}$1.83 NP1: ϕ_s73.47819°,δ38.76153°,λ45.89423°. NP2:ϕ_s304.66199°,δ63.28448°,λ119.19722°. Principal axes: T 4.2650,Plg60.3728°,Azm258.9092°; N 0.6575,Plg25.8326°,Azm110.5598° ; P -4.9224,Plg13.5023°,Azm13.8842° $M_0$4.62884×10^{17}

ISC-P Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}0.60±.14 $M_{\theta\theta}$-0.55±.15; $M_{\phi\phi}$-0.03±.17; $M_{r\theta}$-0.24±.13; $M_{\theta\phi}$0.18±.13; $M_{\phi r}$0.27±.23; NP1:ϕ_s300.00000°,δ57.70000° ,λ98.10000°. NP2:ϕ_s105.10000°,δ33.20000°,λ77.40000°. $M_0$1.95000×10^{18}

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.4km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.88 $M_{\theta\theta}$-2.30 $M_{\phi\phi}$0.42 $M_{r\theta}$-0.85 $M_{\theta\phi}$0.21 $M_{\phi r}$1.87 NP1:ϕ_s307.04000°,δ66.91000°,λ121.73000°. NP2:ϕ_s69.42000°,δ38.52000° ,λ39.02000°. Principal axes: T 3.2198,Plg56.0000°,Azm259.0000°; N -0.6183,Plg29.0000° ,Azm113.0000°; P -2.6015,Plg16.0000°,Azm14.0000° $M_0$2.96000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111040242A. Moment Tensor Solution. s159,c344; s152,c339;Duration: 2ş0 Moment tensor: Scale 10^{17}Nm; M_{rr}4.28±.05 $M_{\theta\theta}$-5.80±.04; $M_{\phi\phi}$1.52±.05; $M_{r\theta}$-2.56±.09; $M_{\theta\phi}$1.34±.03; $M_{\phi r}$3.64±.11; Best double couple: NP1:ϕ_s72.00000° ,δ37.00000°,λ40.00000°. NP2:ϕ_s308.00000°,δ67.00000°,λ120.00000°. Principal axes: T 6.9450,Plg57.0000°,Azm258.0000°; N 0.0720,Plg27.0000°,Azm116.0000° ; P -7.0170,Plg17.0000°,Azm16.0000° $M_0$6.98100×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3ş5 Moment tensor: Scale 10^{17}Nm; M_{rr}3.42 $M_{\theta\theta}$-2.57 $M_{\phi\phi}$-0.85 $M_{r\theta}$-1.92 $M_{\theta\phi}$1.64 $M_{\phi r}$-0.61 NP1:ϕ_s139.41000°,δ37.61000° ,λ122.25000°. NP2:ϕ_s280.87000°,δ58.93000°,λ67.66000°. Principal axes: T 4.2139,Plg68.0000°,Azm146.0000°; N -0.3864,Plg19.0000°,Azm293.0000° ; P -3.8274,Plg11.0000°,Azm27.0000° $M_0$4.03000×10^{17}

(135) Near coast of central Chile

ISC	XI	04 04 18 22.5–.26	30.30S–.02	71.33W–.03	50–2	4.9b	427	0-176
VAO	XI	04 04 18 18.3–.37	30.27S	71.10W	10	5.0b		¶621261756
SJA	XI	04 04 18 20.6–.75	30.26S	71.48W	40–890	5.0L,4.8W		
GUC	XI	04 04 18 22.4–.89	30.31S	71.22W	52–3	5.2L,4.8W		
IDC	XI	04 04 18 22.7–.42	30.30S	71.24W	51–3	4.6,4.3b		
GFZ	XI	04 04 18 22.7	30.29S	71.26W	62	4.7W,4.3b		
GFZ	XI	04 04 18 22.7–.19	30S–2.0	71W–4.0	52–5	5.8b,5.7L		
NEIC	XI	04 04 18 23	30.33S	71.29W	50	5.8b,5.7L		
NEIC	XI	04 04 18 23.1–1.8	30.35S–.03	71.27W–.07	50–3	5.0,4.9b		

ISC Event type se.

VAO Event type se. Presumed earthquake.

SJA Event type se. Presumed earthquake.

GUC Event type se. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.90 $M_{\theta\theta}$-1.45 $M_{\phi\phi}$0.55 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.42 $M_{\phi r}$-0.80 NP1: ϕ_s111.44843°,δ53.44575°,λ142.76388°. NP2:ϕ_s225.80302°,δ60.91716°,λ42.96175°. Principal axes: T 1.5720,Plg49.8934°,Azm82.3608°; N -0.0213,Plg39.7576°,Azm253.3653° ; P -1.5508,Plg4.4412°,Azm347.0699° $M_0$1.56151×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.57 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$0.99 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.35 $M_{\phi r}$-0.92 NP1:ϕ_s120.51000°,δ59.72000°,λ155.18000°. NP2:ϕ_s223.64000° ,δ68.75000°,λ32.76000°. Principal axes: T 1.7449,Plg38.0000°,Azm85.0000° ; N -0.1163,Plg52.0000°,Azm253.0000°; P -1.6285,Plg6.0000°,Azm350.0000° $M_0$1.69000×10^{16}

(705) Off west coast of northern Sumatera

ISC	XI	04 08 08 31.2–2.1	0.34N–.05	96.71E–.06	10–12	4.2b	79	1-83
IDC	XI	04 08 08 29.8–1.1	0.24N	96.56E	0	4.0b,3.9		¶621412283
DJA	XI	04 08 08 31.4–.40	0N–2.0	97E–3.0	10	6.2b,5.8		
NEIC	XI	04 08 08 32.5–1.3	0.38N–.06	96.75E–.06	10–1	4.5b,5.8		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(9) Fox Islands

ISC	XI	04 08 57 06.6–.21	52.63N–.04	167.96W–.03	36–1	5.7b,4.6s	2297	1-160
IDC	XI	04 08 57 01.3–.37	52.67N	168.05W	0	5.5b,5.5		¶621262041
PTWC	XI	04 08 57 04	52.50N	167.70W	10	5.5,5.5		
BJI	XI	04 08 57 04.7	53.04N	168.47W	20	5.8b,5.3b		
MOS	XI	04 08 57 05.6–.95	52.70N	167.96W	41	6.0b,5.3b		
NEIC	XI	04 08 57 06.8	52.70N	167.98W	36	6.0b,5.3b		
GFZ	XI	04 08 57 06.5–.55	53N–2.0	168W–1.0	34–4	6.1b,5.9b		
NEIC	XI	04 08 57 06.9–1.3	52.67N–.06	167.93W–.05	39–4	5.6b,5.5L		
NEIC	XI	04 08 57 07.3	52.67N	167.96W	37	5.6b,5.5L		
AEIC	XI	04 08 57 07.2–1.1	52.65N–.06	167.94W–.07	52–4	5.6b,5.5L		
NEIC	XI	04 08 57 07.3	52.10N	167.32W	36	5.2,5.5L		
GFZ	XI	04 08 57 07.3	52.67N	167.96W	38	5.2W,5.5L		
GCMT	XI	04 08 57 09.2–.10	52.55N–.01	167.89W–.01	38–0	5.2W,5.5L		
BGR	XI	04 08 57 16.2	54.05N	168.45W	33	5.9b,5.5L		

ISC Event type ke.

IDC Error ellipse: s-maj=13.6km s-min=9.0km az=175.0.

MOS Error ellipse: s-maj=7.4km s-min=4.2km az=98.3.

NEIC Event type se.

GFZ Error ellipse: s-maj=3.4km s-min=2.5km az=149.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.7km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}6.46 $M_{\theta\theta}$-3.63 $M_{\phi\phi}$-2.83 $M_{r\theta}$4.23 $M_{r\phi}$3.42 $M_{\theta\phi}$-1.94 NP1:ϕ_s321.53000°,δ28.66000°,λ107.38000°. NP2:ϕ_s121.90000°,δ62.76000°,λ80.73000°. Principal axes: T 8.0439,Plg71.0000°,Azm12.0000°; N 0.0123,Plg8.0000°,Azm126.0000°; P -8.0562,Plg17.0000°,Azm219.0000° $M_0$8.05000×10^{16}

NEIC Event type se.

AEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.5km az=185.0. hypocenter. manual.

NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.98 $M_{\theta\theta}$-2.91 $M_{\phi\phi}$-3.07 $M_{r\theta}$2.78 $M_{\theta\phi}$5.26 $M_{\phi r}$-1.00 NP1:ϕ_s332.25000°,δ37.04000°,λ115.51000°. NP2:ϕ_s121.37000°,δ57.07000°,λ71.99000°. Principal axes: T 6.8148,Plg72.0000°,Azm348.0000°; N 1.9284,Plg15.0000°,Azm131.0000°; P -8.7432,Plg10.0000°,Azm224.0000° $M_0$7.96000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}6.46 $M_{\theta\theta}$-3.63 $M_{\phi\phi}$-2.83 $M_{r\theta}$4.23 $M_{\theta\phi}$3.42 $M_{\phi r}$-1.94 NP1:ϕ_s121.89524°,δ62.76199°,λ80.72562°. NP2:ϕ_s321.53099°,δ28.65891°,λ107.38416°. Principal axes: T 8.0439,Plg70.7543°,Azm11.6690°; N 0.0123,Plg8.2384°,Azm126.1695°; P -8.0563,Plg17.2682°,Azm218.7491° $M_0$8.05010×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111040857A. Moment Tensor Solution. s112,c173; s141,c233;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76±.02 $M_{\theta\theta}$-0.47±.02; $M_{\phi\phi}$-0.28±.01; $M_{r\theta}$0.42±.02; $M_{\theta\phi}$0.56±.01; $M_{\phi r}$-0.03±.02; Best double couple: NP1:ϕ_s330.00000°,δ38.00000°,λ121.00000°. NP2:ϕ_s113.00000°,δ58.00000°,λ69.00000°. Principal axes: T 0.9030,Plg69.0000°,Azm338.0000°; N 0.1070,Plg18.0000°,Azm124.0000°; P -1.0100,Plg11.0000°,Azm218.0000° $M_0$0.95700×10^{17}

BGR Event type ke.

(207) Eastern New Guinea region

ISC	**XI**	**04 16 25 04.9–.27**	**6.80S–.03**	**147.57E–.03**	**49–2**	**5.2b,4.3s**	**779**	**5-158**
MOS	XI	04 16 24 58.3–.95	6.73S	147.63E	13	5.3b,4.3s		**¶621883476**
IDC	XI	04 16 24 58.4–.36	6.74S	147.64E	0	5.0b,5.0		
BJI	XI	04 16 24 59.8	6.69S	147.91E	29	5.1b,5.0b		
GFZ	XI	04 16 25 04.7–.23	7S–2.0	148E–3.0	41–2	5.5b,5.3b		
NEIC	XI	04 16 25 05.1–1.6	6.81S–.07	147.61E–.08	46–4	5.2b,5.3b		
GFZ	XI	04 16 25 07.1	6.76S	147.55E	39	5.2W,5.3b		
DJA	XI	04 16 25 08.4–.40	7S–5.0	148E–4.0	88–12	5.7,5.7b		
GCMT	XI	04 16 25 08.3–.20	6.95S–.01	147.69E–.01	62–1	5.3W,5.7b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.48 $M_{\theta\theta}$-6.42 $M_{\phi\phi}$4.94 $M_{r\theta}$-1.28 $M_{\theta\phi}$3.22 $M_{\phi r}$1.11 NP1:ϕ_s329.42952°,δ89.75622°,λ166.06591°. NP2:ϕ_s59.49000°,δ76.06603°,λ0.25117°. Principal axes: T 5.9170,Plg9.9787°,Azm283.6036°; N 1.6101,Plg76.0638°,Azm148.4471°; P -7.5270,Plg9.6289°,Azm15.3141° $M_0$6.86509×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111041625A. Moment Tensor Solution. s78,c111; s107,c178;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.44±.02 $M_{\theta\theta}$-1.15±.02; $M_{\phi\phi}$0.70±.02; $M_{r\theta}$-0.08±.02; $M_{\theta\phi}$0.59±.02; $M_{\phi r}$-0.20±.02; Best double couple: NP1:ϕ_s149.00000°,δ74.00000°,λ164.00000°. NP2:ϕ_s244.00000°,δ75.00000°,λ17.00000°. Principal axes: T 0.9640,Plg23.0000°,Azm106.0000°; N 0.3530,Plg67.0000°,Azm285.0000°; P -1.3200,Plg1.0000°,Azm16.0000° $M_0$1.14200×10^{17}

(161) Off west coast of South Island

ISC	**XI**	**04 16 36 54.3–.29**	**48.28S–.04**	**165.24E–.04**	**10**	**5.5s,5.0b**	**446**	**2-162**
BJI	XI	04 16 36 52.8	48.30S	165.20E	10	5.6b,5.4b		**¶621309484**
NEIC	XI	04 16 36 53.8	48.47S	165.40E	26	5.5,5.4b		
NEIC	XI	04 16 36 53.3	48.27S	165.24E	10	5.5,5.4b		
NEIC	XI	04 16 36 53.3	48.27S	165.25E	10	5.5,5.4b		
NEIC	XI	04 16 36 53.3–1.5	48.27S–.06	165.25E–.09	10–1	5.5,5.5		
IDC	XI	04 16 36 54.7–.54	48.31S	165.17E	0	5.0s,4.9L		
NOU	XI	04 16 36 54.5	48.30S	165.47E	0	5.1b,4.9L		
MOS	XI	04 16 36 54.8–2.1	48.38S	164.73E	10	4.8b,4.9L		
GFZ	XI	04 16 36 55.4–.22	48S–3.0	165E–3.0	10	5.7b,5.2		
GFZ	XI	04 16 36 55.5	48.17S	165.38E	17	5.5W,5.2		
GCMT	XI	04 16 37 01.0–.10	48.19S–.01	165.00E–.01	20–0	5.6W,5.2		

ISC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.52 $M_{\theta\theta}$0.63 $M_{\phi\phi}$-0.10 $M_{r\theta}$-0.34 $M_{\theta\phi}$2.08 $M_{\phi r}$-0.47 NP1:ϕ_s275.54000°,δ77.87000°,λ3.01000°. NP2:ϕ_s184.91000°,δ87.05000°,λ167.85000°. Principal axes: T 2.4784,Plg11.0000°,Azm140.0000°; N -0.6148,Plg78.0000°,Azm351.0000°; P -1.8637,Plg6.0000°,Azm231.0000° $M_0$2.24000×10^{17}

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23 $M_{\theta\theta}$1.72 $M_{\phi\phi}$-1.49 $M_{r\theta}$-0.84 $M_{\theta\phi}$1.81 $M_{\phi r}$0.36 NP1:ϕ_s110.06000°,δ86.93000°,λ-21.11000°. NP2:ϕ_s201.24000°,δ68.93000°,λ-176.71000°. Principal axes: T 2.6721,Plg12.0000°,Azm158.0000°; N -0.1615,Plg69.0000°,Azm282.0000°; P -2.5106,Plg17.0000°,Azm64.0000° $M_0$2.60000×10^{17}

NOU Off W. Coast of S. Island, N.Z.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$1.76 $M_{\phi\phi}$-1.65 $M_{r\theta}$-0.05 $M_{\theta\phi}$1.81 $M_{\phi r}$-0.17 NP1:ϕ_s291.59757°,δ85.81120°,λ-0.61937°. NP2:ϕ_s21.64282°,δ89.38228°,λ-175.81095°. Principal axes: T 2.5453,Plg2.5233°,Azm156.5453°; N -0.1020,Plg85.7657°,Azm30.0163°; P -2.4433,Plg3.3981°,Azm246.6952° $M_0$2.49590×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111041636A. Moment Tensor Solution. s129,c231; s146,c291;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.20±.03 $M_{\theta\theta}$2.17±.03; $M_{\phi\phi}$-1.96±.03; $M_{r\theta}$-0.81±.07; $M_{\theta\phi}$2.00±.03; $M_{\phi r}$0.30±.07; Best double couple: NP1:ϕ_s203.00000°,δ73.00000°,λ-179.00000°. NP2:ϕ_s113.00000°,δ89.00000°,λ-17.00000°. Principal axes: T 3.1040,Plg11.0000°,Azm159.0000°; N -0.2010,Plg73.0000°,Azm289.0000°; P -2.8980,Plg12.0000°,Azm67.0000° $M_0$3.00100×10^{17}

(153) South Sandwich Islands region

ISC	**XI**	**04 19 21 34.5–.41**	**59.53S–.08**	**26.00W–.09**	**50**	**5.0b,3.6s**	**128**	**8-153**
GFZ	XI	04 19 21 27.4–.32	59S–6.0	25W–7.0	10	5.8b,5.4		**¶621366501**
IDC	XI	04 19 21 27.0–.66	59.42S	26.05W	0	4.4b,4.3		
NEIC	XI	04 19 21 36.1–1.3	59.6S–.10	26.2W–.20	73–6	5.1b,4.3		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(705) Off west coast of northern Sumatera

ISC	**XI**	**05 11 45 55.0–.81**	**0.32N–.06**	**96.80E–.08**	**10**	**4.1b**	**37**	**1-145**
IDC	XI	05 11 45 52.3–.97	0.07N	96.62E	0	4.0L,3.9b		**¶621413972**
DJA	XI	05 11 45 55.3–2.8	0N–5.0	97E–12	15–18	6.7b,6.5		

ISC Event type se.

(135) Near coast of central Chile

ISC	**XI**	**05 14 11 28.6–.42**	**28.64S–.03**	**71.39W–.04**	**45–3**	**4.8b,3.7s**	**289**	**1-172**
SJA	XI	05 14 11 26.0–.73	28.53S	71.35W	25–2	4.7L,4.6W		**¶621366515**
VAO	XI	05 14 11 27.5–1.7	28.80S	71.24W	36–11	4.6b,4.6W		
GFZ	XI	05 14 11 28.9–.24	29S–2.0	71W–3.0	40–2	6.1b,5.7		
GUC	XI	05 14 11 28.2–.81	28.70S	71.14W	49–2	4.7L,5.7		
NEIC	XI	05 14 11 28.7–1.6	28.62S–.05	71.39W–.08	42–5	4.8b,4.5		
NEIC	XI	05 14 11 28.4	28.63S	71.40W	37	4.8b,4.5		
IDC	XI	05 14 11 29.6–.43	28.68S	71.23W	51–3	4.4,4.3b		

ISC Event type se.

SJA Event type se. Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0. Presumed earthquake.

VAO Event type se. Error ellipse: s-maj=6.3km s-min=8.3km az=-1.0. Presumed earthquake.

GFZ Error ellipse: s-maj=6.9km s-min=3.3km az=95.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.9km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.4km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.67 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-6.26 $M_{r\theta}$0.23 $M_{\theta\phi}$-0.79 $M_{\phi r}$2.63 NP1:ϕ_s5.80000°,δ56.85000°,λ89.24000°. NP2:ϕ_s187.19000°,δ33.16000°,λ91.16000°. Principal axes: T 6.2201,Plg78.0000°,Azm273.0000°; N 0.6821,Plg1.0000°,Azm6.0000°; P -6.9022,Plg12.0000°,Azm96.0000° $M_0$6.59000×10^{15}

NEIC Event type se.

IDC Error ellipse: s-maj=18.3km s-min=9.5km az=62.0.

(268) Sulawesi

ISC	**XI**	**06 03 56 19.1–.40**	**1.39S–.02**	**120.61E–.02**	**13–2**	**5.1b,4.3s**	**940**	**0-173**
MOS	XI	06 03 56 15.7–1.0	1.22S	120.69E	3	5.2b,4.3s		**¶621370648**
IDC	XI	06 03 56 17.0–.36	1.33S	120.75E	0	4.8b,4.8		
BJI	XI	06 03 56 18.7	1.30S	120.60E	10	5.3b,4.9b		
NEIC	XI	06 03 56 19.5–2.0	1.31S–.04	120.62E–.05	10–1	5.2b,4.9b		
NEIC	XI	06 03 56 19.7	1.30S	120.62E	10	5.2b,4.9b		
GCMT	XI	06 03 56 20.8–.10	1.29S–.01	120.65E–.01	16–0	5.1W,4.9b		
GFZ	XI	06 03 56 20.3–.14	1S–2.0	121E–2.0	10	5.5b,5.4L		
DJA	XI	06 03 56 20.3–.10	1S–1.0	121E–1.0	10	5.7b,5.6		
NEIC	XI	06 03 56 26.6	1.30S	120.62E	18	5.1,5.6		

ISC Event type se.

MOS Error ellipse: s-maj=9.0km s-min=4.9km az=111.8.

IDC Error ellipse: s-maj=11.7km s-min=8.5km az=80.0.

NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.0km az=297.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111060356A. Moment Tensor Solution. s77,c105; s131,c223;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.12 $M_{\theta\theta}$5.67±.10; $M_{\phi\phi}$-3.67±.10; $M_{r\theta}$-0.71±.24; $M_{\theta\phi}$-0.42±.07; $M_{\phi r}$2.71±.32; Best double couple: NP1:ϕ_s234.00000°,δ60.00000°,λ-157.00000°. NP2:ϕ_s131.00000°,δ70.00000°,λ-32.00000°. Principal axes: T 5.7870,Plg7.0000°,Azm184.0000°; N -0.1150,Plg53.0000°,Azm283.0000°; P -5.6710,Plg36.0000°,Azm89.0000° $M_0$5.72900×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.48 $M_{\theta\theta}$5.57 $M_{\phi\phi}$-3.09 $M_{r\theta}$2.27 $M_{\theta\phi}$-0.02 $M_{\phi r}$2.84 NP1:ϕ_s127.46000°,δ46.90000°,λ-23.63000°. NP2:ϕ_s234.10000°,δ72.98000°,λ-134.40000°. Principal axes: T 6.2239,Plg16.0000°,Azm355.0000°; N -0.3726,Plg42.0000°,Azm250.0000°; P -5.8513,Plg44.0000°,Azm101.0000° $M_0$6.05000×10^{16}

(221) Kuril Islands

ISC	**XI**	**06 06 05 23.6–.64**	**46.08N–.06**	**152.92E–.05**	**31–3**	**4.5b,3.7s**	**386**	**4-153**
GFZ	XI	06 06 05 19.9–.37	46N–5.0	153E–5.0	10	5.9b,5.5		**¶621370664**
MOS	XI	06 06 05 21.3–1.1	46.19N	152.94E	23	4.8b,5.5		
SKHL	XI	06 06 05 22.5–.80	46.00N	153.20E	52–7	5.3b,5.5		
BJI	XI	06 06 05 22.4	46.25N	153.14E	43	4.7b,4.6b		
JMA	XI	06 06 05 26.8–.88	46N–4.0	153E–6.0	30	4.8,4.6b		
IDC	XI	06 06 05 26.4–2.2	46.27N	152.80E	44–19	4.2,4.1L		
NEIC	XI	06 06 05 26.3–1.0	46.34N–.07	152.7E–.10	36–8	4.7b,4.1L		

ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

JMA Event type ke. KURILE ISLANDS REGION .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(173) Tonga Islands

ISC	**XI**	**06 13 03 06.8–.50**	**21.22S–.05**	**174.20W–.06**	**14–2**	**5.2b,4.6s**	**672**	**8-171**
IDC	XI	06 13 03 04.8–.39	21.27S	174.28W	0	4.8b,4.8		**¶621370940**
MOS	XI	06 13 03 05.5–1.5	21.30S	174.34W	10	5.4b,4.8		
NEIC	XI	06 13 03 05.7–2.3	21.25S–.07	174.0W–.10	10–1	5.3b,4.8		
GFZ	XI	06 13 03 06.7–.15	21S–3.0	174W–3.0	10	5.9b,5.7		
NOU	XI	06 13 03 07.1	21.31S	173.77W	47	5.0b,5.7		
BGR	XI	06 13 03 10.1	21.62S	175.57W	33	4.9s,5.7		
GCMT	XI	06 13 03 10.1–.20	21.44S–.02	173.71W–.01	14–0	5.1W,5.7		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NOU Tonga Islands.

BGR Event type ke.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111061303A. Moment Tensor Solution. s69,c89; s131,c203; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.12±.14 $M_{\theta\theta}$-0.79±.09; $M_{\phi\phi}$-3.32±.10; $M_{r\theta}$2.09±.24; $M_{\theta\phi}$-1.69±.06; $M_{\phi r}$1.35±.19; Best double couple: NP1:ϕ_s193.00000°,δ33.00000°,λ66.00000°. NP2:ϕ_s41.00000°,δ60.00000°,λ105.00000°. Principal axes: T 4.9500,Plg71.0000°,Azm344.0000°; N -0.2360,Plg13.0000°,Azm214.0000°; P -4.7080,Plg14.0000°,Azm120.0000° $M_0$4.82900×10^{16}

(269) Southern Molucca Sea

ISC	**XI**	**06 14 37 37.0–.19**	**0.08S–.02**	**124.24E–.03**	**56–1**	**5.8b,5.4s**	**2084**	**1-176**
MOS	XI	06 14 37 33.8–1.1	0.08S	124.04E	40	6.0b,5.2s		**¶621370944**
NEIC	XI	06 14 37 36.7–2.2	0.05S–.05	124.28E–.04	34–1	5.8b,5.4		
ISC-P	XI	06 14 37 36	0.05S	124.28E	34–0	6.4,5.4		
IDC	XI	06 14 37 37.1–.92	0.08S	124.12E	54–7	5.5,5.2b		
NEIC	XI	06 14 37 37.4	0.08S	124.32E	40	5.5,5.2b		
IPGP	XI	06 14 37 37.0	0.06S	124.34E	40	6.1W,5.2b		
DJA	XI	06 14 37 38.3–.10	0S–1.0	124E–1.0	58–1	6.5,6.3b		
GFZ	XI	06 14 37 38.5–.17	0S–2.0	124E–2.0	69–1	6.4,6.4L		
GFZ	XI	06 14 37 38.8	0.10S	124.27E	49	5.9W,6.4L		
GCMT	XI	06 14 37 40.4–.10	0.13S	124.35E	54–0	6.0W,6.4L		
NEIC	XI	06 14 37 49	0.08S	124.32E	40	6.0,6.4L		

ISC Event type se.

MOS Error ellipse: s-maj=7.3km s-min=4.2km az=114.9.

NEIC Event type se. Error ellipse: s-maj=10.7km s-min=2.8km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC-P Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}0.41±.14 $M_{\theta\theta}$0.10±.18; $M_{\phi\phi}$-0.51±.19; $M_{r\theta}$-0.23±.16; $M_{\theta\phi}$0.44±.20; $M_{\phi r}$-0.17±.12; NP1:ϕ_s346.40000°,δ69.90000°,λ63.50000°. NP2:ϕ_s221.80000°,δ32.80000°,λ140.70000°. $M_0$4.79000×10^{18}

IDC Error ellipse: s-maj=10.6km s-min=7.1km az=80.0.

NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s254.00000°,δ44.00000°,λ130.00000°. NP2:ϕ_s24.00000°,δ58.00000°,λ58.00000°.

GFZ Error ellipse: s-maj=3.9km s-min=3.2km az=65.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.64 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-4.16 $M_{r\theta}$-1.12 $M_{\theta\phi}$-4.87 $M_{\phi r}$4.51 NP1:ϕ_s245.05921°,δ40.96096°,λ137.16182°. NP2:ϕ_s10.05961°,δ63.53029°,λ57.52116°. Principal axes: T 8.3212,Plg58.1195°,Azm234.0926°; N 0.1982,Plg28.7309°,Azm25.8997°; P -8.5194,Plg12.6386°,Azm122.9604° $M_0$8.42209×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111061437A. Moment Tensor Solution. s160,c345; s162,c552;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.94±.01 $M_{\theta\theta}$-0.23±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$-0.22±.01; $M_{\theta\phi}$-0.71±.01; $M_{\phi r}$0.66±.01; Best double couple: NP1:ϕ_s242.00000°,δ41.00000°,λ134.00000°. NP2:ϕ_s10.00000°,δ62.00000°,λ59.00000°. Principal axes: T 1.3100,Plg60.0000°,Azm232.0000°; N -0.0150,Plg27.0000°,Azm26.0000°; P -1.2940,Plg11.0000°,Azm122.0000° $M_0$1.30200×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.60 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-0.34 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.64 $M_{\phi r}$0.75 NP1:ϕ_s252.81000°,δ44.54000°,λ148.25000°. NP2:ϕ_s6.61000°,δ68.34000°,λ50.08000°. Principal axes: T 1.2886,Plg50.0000°,Azm232.0000°; N -0.2797,Plg37.0000°,Azm24.0000°; P -1.0089,Plg14.0000°,Azm125.0000° $M_0$1.17000×10^{18}

(153) South Sandwich Islands region

ISC	**XI**	**06 15 13 19.4–.24**	**58.59S–.05**	**23.23W–.05**	**10**	**5.3b,4.9s**	**396**	**9-174**
IDC	XI	06 15 13 17.9–.37	58.46S	23.31W	0	5.6L,5.0b		**¶621370947**
MOS	XI	06 15 13 18.1–.91	58.49S	23.35W	10	5.5b,5.0b		
GFZ	XI	06 15 13 20.1–.17	59S–3.0	23W–3.0	10	6.0b,5.6		
NEIC	XI	06 15 13 21.6–2.3	58.58S–.09	23.4W–.20	24–1	5.4,5.3b		
GCMT	XI	06 15 13 24.6–.10	58.64S–.01	22.87W–.02	25–0	5.6W,5.3b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111061513A. Moment Tensor Solution. s89,c134; s135,c241;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.07 $M_{\theta\theta}$-1.10±.06; $M_{\phi\phi}$2.12±.05; $M_{r\theta}$-0.78±.13; $M_{\theta\phi}$2.40±.04; $M_{\phi r}$0.66±.12; Best double couple: NP1:ϕ_s70.00000° ,δ68.00000°,λ-19.00000°. NP2:ϕ_s167.00000°,δ73.00000°,λ-157.00000°. Principal axes: T 3.4110,Plg3.0000°,Azm298.0000°; N -0.5010,Plg62.0000°,Azm202.0000° ; P -2.9100,Plg28.0000°,Azm29.0000° $M_0$3.16100×10^{17}

(173) Tonga Islands

ISC	**XI**	**07 03 39 33.8–.53**	**19.29S–.05**	**173.45W–.05**	**14–3**	**5.3b,4.8s**	**895**	**6-158**
IDC	XI	07 03 39 32.2–.38	19.35S	173.51W	0	5.0,4.9b		**¶621372244**
BJI	XI	07 03 39 32.3	18.98S	173.24W	5	5.9b,5.3b		
GFZ	XI	07 03 39 33.9	19.30S	173.50W	31	5.5W,5.3b		
NEIC	XI	07 03 39 34.0–2.4	19.28S–.08	173.5W–.10	10–1	5.4b,5.3b		
NEIC	XI	07 03 39 33.9	19.32S	173.48W	10	5.4b,5.3b		
NEIC	XI	07 03 39 34.5	19.32S	172.85W	12	5.4,5.3b		
MOS	XI	07 03 39 36.6–2.4	19.29S	174.48W	10	5.4b,5.3b		
GFZ	XI	07 03 39 36.4–.30	19S–3.0	174W–3.0	34–2	5.9b,5.5		
BGR	XI	07 03 39 37.7	19.36S	172.97W	33	5.1s,5.5		
GCMT	XI	07 03 39 37.3–.10	19.39S–.01	173.07W–.01	12	5.3W,5.5		
NOU	XI	07 03 40 11.3	20.36S	174.91W	279	4.8b,5.5		

ISC Event type ke.
IDC Error ellipse: s-maj=13.4km s-min=12.0km az=133.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25 $M_{\theta\theta}$0.05 $M_{\phi\phi}$1.20 $M_{r\theta}$0.87 $M_{\theta\phi}$0.71 $M_{\phi r}$0.88 NP1: ϕ_s219.40620°,δ66.46446°,λ-76.61688°. NP2:ϕ_s8.61879°,δ26.88503°,λ-117.98720°. Principal axes: T 1.9741,Plg20.3845°,Azm299.3507°; N -0.1931,Plg12.2517°,Azm33.9790° ; P -1.7810,Plg65.9289°,Azm153.0641° $M_0$1.88499×10^{17}
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=12.2km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.06 $M_{\theta\theta}$0.50 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.52 $M_{\phi r}$-0.84 NP1:ϕ_s233.48000°,δ23.25000° ,λ-76.67000°. NP2:ϕ_s39.02000°,δ67.41000°,λ-95.66000°. Principal axes: T 1.4646,Plg22.0000°,Azm133.0000°; N 0.0265,Plg5.0000°,Azm41.0000° ; P -1.4911,Plg67.0000°,Azm299.0000° $M_0$1.48000×10^{17}
MOS Error ellipse: s-maj=11.4km s-min=10.3km az=126.9.
GFZ Error ellipse: s-maj=7.3km s-min=5.5km az=151.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111070339A. Moment Tensor Solution. s110,c185; s157,c284;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11±.01 $M_{\theta\theta}$0.46±.01; $M_{\phi\phi}$0.65±.01; $M_{r\theta}$-0.46±.03; $M_{\theta\phi}$0.68±.01; $M_{\phi r}$-0.33±.03; Best double couple: NP1: ϕ_s214.00000°,δ33.00000°,λ-102.00000°. NP2:ϕ_s47.00000°,δ58.00000°,λ-83.00000°. Principal axes: T 1.3630,Plg13.0000°,Azm132.0000°; N -0.1200,Plg6.0000°,Azm223.0000° ; P -1.2460,Plg76.0000°,Azm340.0000° $M_0$1.30400×10^{17}
NOU Tonga Islands.

(228) Near east coast of eastern Honshu

ISC	**XI**	**07 12 44 29.5–.56**	**40.20N–.04**	**142.36E–.04**	**50–4**	**4.5b,3.5s**	**202**	**0-88**
NIED	XI	07 12 44 28.6	40.15N	142.36E	40	4.3W,3.5s		**¶621372286**
MOS	XI	07 12 44 28.0–1.1	40.25N	142.33E	51	4.8b,3.5s		
JMA	XI	07 12 44 28.6–.07	40.1N–.20	142.4E–.30	40–0	4.3,4.3		
NEIC	XI	07 12 44 30.6–1.1	40.28N–.06	142.27E–.08	59–3	4.4b,4.3		
IDC	XI	07 12 44 30.1–1.7	40.18N	142.32E	56–14	4.1,3.8b		
GFZ	XI	07 12 44 31.0–.36	40N–4.0	142E–6.0	52–2	6.1b,5.8		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.98 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.86 $M_{r\theta}$0.96 $M_{\theta\phi}$-0.33 $M_{\phi r}$2.55 NP1:ϕ_s183.00000°,δ18.00000°,λ75.00000°. NP2:ϕ_s19.00000° ,δ72.00000°,λ95.00000°. $M_0$3.35000×10^{15}
JMA Event type fe. NE OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(311) Sikkim

ISC	**XI**	**07 16 20 45.0–1.3**	**27.23N–.04**	**88.74E–.03**	**4–8**	**4.6b,3.4s**	**265**	**1-123**
IDC	XI	07 16 20 43.8–.50	27.13N	88.75E	0	4.3b,4.2L		**¶621372471**
NEIC	XI	07 16 20 46.4–1.4	27.27N–.08	88.78E–.06	10–1	4.6b,4.2L		
GFZ	XI	07 16 20 47.2–.24	27N–6.0	89E–5.0	10	5.7,5.7b		
NDI	XI	07 16 20 47.2–2.4	27.87N	88.58E	22–17	4.3W,5.7b		
DMN	XI	07 16 20 49.6–.62	27.07N	88.62E	2	5.1L,5.7b		

ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=9.5km az=52.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.7km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NDI Event type se. Error ellipse: s-maj=14.1km s-min=5.9km az=-1.0. Presumed earthquake.
DMN Event type ke. Error ellipse: s-maj=18.1km s-min=10.0km az=178.0.

(704) Nicobar Islands region

ISC	**XI**	**07 23 58 28.8–.80**	**9.86N–.05**	**93.77E–.05**	**40–7**	**4.8b,3.6s**	**447**	**2-161**
BJI	XI	07 23 58 20.4	9.62N	93.44E	10	4.7b,3.6s		**¶621372494**
IDC	XI	07 23 58 22.9–.44	9.85N	93.62E	0	4.5b,4.4		
NEIC	XI	07 23 58 24.7–2.0	9.87N–.06	93.67E–.08	10–1	4.9b,4.4		
GFZ	XI	07 23 58 25.8–.16	10N–4.0	94E–4.0	10	5.5b,5.0		
BKK	XI	07 23 58 26.2–1.1	10N–5.0	94E–5.0	20–10	5.5b,5.4b		
NDI	XI	07 23 58 26.1–3.1	9.79N	93.80E	20–59	3.0L,2.8W		
DJA	XI	07 23 58 30.7–.40	10N–2.0	94E–5.0	77–9	5.4b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NDI Event type se. Presumed earthquake.

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**08 05 06 00.0–.45**	**0.67S–.03**	**123.52E–.03**	**41–4**	**5.2b,4.0s**	**810**	**0-162**
IDC	XI	08 05 05 53.2–.34	0.63S	123.53E	0	4.7b,4.7		**¶621372560**
MOS	XI	08 05 05 56.7–1.0	0.57S	123.59E	30	5.2b,4.1s		
NEIC	XI	08 05 05 56.4–1.7	0.59S–.05	123.55E–.04	10–1	5.4b,4.1s		
GFZ	XI	08 05 05 57.1	0.52S	123.57E	50	5.0W,4.1s		
GFZ	XI	08 05 06 00.2–.26	1S–2.0	124E–2.0	42–2	5.7,5.7b		
DJA	XI	08 05 06 00.7–.20	1S–1.0	124E–1.0	28–2	5.7b,5.6		
GCMT	XI	08 05 06 01.9–.20	0.72S–.01	123.62E–.01	36–0	5.0W,5.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.32 $M_{\theta\theta}$2.40 $M_{\phi\phi}$-2.72 $M_{r\theta}$2.43 $M_{\theta\phi}$-0.00 $M_{\phi r}$2.30 NP1: ϕ_s137.20344°,δ37.44621°,λ4.54734°. NP2:ϕ_s43.59039°,δ87.23698°,λ127.35904°. Principal axes: T 4.2514,Plg36.5465°,Azm345.8730°; N -0.0678,Plg37.3082°,Azm221.4828° ; P -4.1836,Plg31.8234°,Azm103.2597° $M_0$4.21793×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111080505A. Moment Tensor Solution. s55,c68; s108,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.63±.16 $M_{\theta\theta}$1.57±.11; $M_{\phi\phi}$-4.20±.11; $M_{r\theta}$1.97±.11; $M_{\theta\phi}$-1.08±.09; $M_{\phi r}$1.65±.12; Best double couple: NP1:ϕ_s158.00000°,δ40.00000° ,λ37.00000°. NP2:ϕ_s38.00000°,δ67.00000°,λ124.00000°. Principal axes: T 4.1960,Plg54.0000°,Azm351.0000°; N 0.7430,Plg31.0000°,Azm204.0000° ; P -4.9400,Plg15.0000°,Azm104.0000° $M_0$4.56800×10^{16}

(227) Eastern Honshu

ISC	**XI**	**08 16 14 57.3–.52**	**37.08N–.02**	**140.58E–.03**	**11–3**	**4.8b,3.5s**	**635**	**0-156**
IDC	XI	08 16 14 55.2–.41	37.07N	140.44E	0	4.6b,4.6		**¶621384580**
JMA	XI	08 16 14 57.2–.03	37.1N–.10	140.6E–.20	6–0	4.9,4.7		
NIED	XI	08 16 14 57.2	37.06N	140.58E	6	4.4W,4.7		
BJI	XI	08 16 14 58.3	36.96N	140.81E	48	4.9b,4.7b		
MOS	XI	08 16 14 58.2–1.0	37.19N	140.56E	27	5.0b,4.7b		
NEIC	XI	08 16 15 01.6–1.3	37.09N–.05	140.51E–.08	36–5	4.7b,4.7b		
GFZ	XI	08 16 15 02.9–.17	37N–3.0	140E–3.0	46	6.0b,5.9		

ISC Event type ke.
JMA Event type fe. MID FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.97 $M_{\theta\theta}$3.80 $M_{\phi\phi}$0.18 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.82 $M_{\phi r}$-0.36 NP1:ϕ_s98.00000°,δ42.00000°,λ-96.00000°. NP2:ϕ_s286.00000° ,δ48.00000°,λ-85.00000°. $M_0$4.01000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(756) Southeast of Easter Island

ISC	**XI**	**09 02 44 29.3–.63**	**36.4S–.10**	**99.30W–.10**	**10**	**4.6b**	**120**	**13-150**
IDC	XI	09 02 44 27.1–.89	36.50S	99.34W	0	4.5s,4.1		**¶621385115**
GFZ	XI	09 02 44 30.1–.37	36S–6.0	99W–5.0	10	5.7b,5.2		
NEIC	XI	09 02 44 30.2–.84	36.38S–.06	99.3W–.20	10–1	4.6b,5.2		
GCMT	XI	09 02 44 32.4–.20	36.38S–.01	99.27W–.02	16–1	5.2W,5.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111090244A. Moment Tensor Solution. s33,c45; s118,c182; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.58±.23 $M_{\theta\theta}$-0.06±.21; $M_{\phi\phi}$1.64±.19; $M_{r\theta}$0.73±.57; $M_{\theta\phi}$-7.53±.18; $M_{\phi r}$-1.87±.54; Best double couple: NP1:ϕ_s93.00000°,δ77.00000° ,λ178.00000°. NP2:ϕ_s183.00000°,δ88.00000°,λ13.00000°. Principal axes: T 8.7100,Plg10.0000°,Azm49.0000°; N -1.8270,Plg77.0000°,Azm191.0000° ; P -6.8870,Plg8.0000°,Azm317.0000° $M_0$7.79900×10^{16}

(74) Near coast of Nicaragua

ISC	**XI**	**09 02 53 49.5–.40**	**11.14N–.02**	**86.73W–.02**	**25–2**	**5.7b,5.7s**	**1713**	**1-168**
IDC	XI	09 02 53 45.9–.36	11.53N	86.15W	0	5.6s,5.1b		**¶635691502**
MOS	XI	09 02 53 46.5–1.1	11.42N	86.39W	10	5.8b,5.7s		
UCR	XI	09 02 53 47.5–.68	10.99N	86.82W	8–11	6.1W,5.7s		
NEIC	XI	09 02 53 49.9–1.9	11.16N–.05	86.69W–.05	17–1	5.8b,5.7		
ISC-P	XI	09 02 53 49	11.16N	86.69W	45–0	6.0,5.7		
NEIC	XI	09 02 53 49.9	11.10N	86.71W	17	6.0,5.7		
CATAC	XI	09 02 53 49.5–.37	11N–2.0	87W–1.0	29–4	6.1,6.1		
NEIC	XI	09 02 53 50.1	11.15N	86.69W	17	6.1,6.1		
GFZ	XI	09 02 53 50.9	11.24N	86.54W	28	5.8W,6.1		
GFZ	XI	09 02 53 51.4–.25	11N–2.0	86W–3.0	36–2	6.1b,5.7		
PTWC	XI	09 02 53 51	11.20N	86.70W	10	5.8,5.7		
SNET	XI	09 02 53 52.3–.36	11N–2.0	87W–1.0	32–4	6.6,6.0b		
IPGP	XI	09 02 53 52.0	11.12N	86.70W	28	5.9W,6.0b		
GCMT	XI	09 02 53 54.2–.10	10.98N–.01	86.89W–.01	28–0	6.0W,6.0b		
GCG	XI	09 02 53 58.4–1.1	11.63N	87.15W	2–112	5.1,6.0b		
NEIC	XI	09 02 54 01.6	11.05N	86.79W	18	5.9,6.0b		

ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=8.7km az=65.0.
MOS Error ellipse: s-maj=10.6km s-min=6.2km az=109.4.
UCR Event type se. Error ellipse: s-maj=3.0km s-min=5.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.7km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.56 $M_{\theta\theta}$-2.34 $M_{\phi\phi}$-1.23 $M_{r\theta}$2.62 $M_{\theta\phi}$2.08 $M_{\phi r}$-0.84 NP1:ϕ_s320.40000°,δ28.91000°,λ112.07000°. NP2:ϕ_s115.54000°,δ63.39000° ,λ78.28000°. Principal axes: T 4.5573,Plg69.0000°,Azm1.0000°; N 0.1958,Plg10.0000° ,Azm121.0000°; P -4.7531,Plg18.0000°,Azm214.0000° $M_0$4.66000×10^{17}
ISC-P Moment Tensor Solution. s32 Moment tensor: Scale 10^{18}Nm; M_{rr}0.48±.18 $M_{\theta\theta}$-0.59±.19; $M_{\phi\phi}$-0.03±.17; $M_{r\theta}$0.37±.15; $M_{\theta\phi}$-0.06±.14; $M_{\phi r}$0.27±.23; NP1:ϕ_s103.80000°,δ61.40000° ,λ80.80000°. NP2:ϕ_s302.60000°,δ29.90000°,λ106.40000°. $M_0$1.43000×10^{18}
NEIC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=2.5km az=29.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.69 $M_{\theta\theta}$-1.80 $M_{\phi\phi}$-0.89 $M_{r\theta}$4.92 $M_{\theta\phi}$1.20 $M_{\phi r}$-2.94 NP1:ϕ_s121.22197° ,δ77.57345°,λ88.58545°. NP2:ϕ_s307.76823°,δ12.50554°,λ96.39225°. Principal axes: T 6.3536,Plg57.4042°,Azm29.3651°; N -0.0707,Plg1.3814°,Azm121.5264° ; P -6.2829,Plg32.5591°,Azm212.4087° $M_0$6.31855×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.14 $M_{\theta\theta}$-3.67 $M_{\phi\phi}$-1.47 $M_{r\theta}$3.16 $M_{\theta\phi}$2.93 $M_{\phi r}$-3.55 NP1: ϕ_s134.03737°,δ65.83893°,λ98.43654°. NP2:ϕ_s294.11842°,δ25.50798°,λ71.88981°. Principal axes: T 7.0151,Plg68.0642°,Azm60.1608°; N 0.4061,Plg7.6928°,Azm310.5634° ; P -7.4212,Plg20.4115°,Azm217.6821° $M_0$7.22667×10^{17}
GFZ Error ellipse: s-maj=7.5km s-min=3.4km az=71.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SNET Error ellipse: s-maj=4.9km s-min=2.5km az=27.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s309.00000°,δ19.00000°,λ95.00000°. NP2:ϕ_s123.00000° ,δ71.00000°,λ88.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111090253A. Moment Tensor Solution. s152,c334; s154,c495;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.66±.01 $M_{\theta\theta}$-0.45±.01; $M_{\phi\phi}$-0.21±.01; $M_{r\theta}$0.58±.01; $M_{\theta\phi}$0.39±.00; $M_{\phi r}$-0.51±.01; Best double couple: NP1:ϕ_s303.00000°,δ21.00000°,λ84.00000°. NP2:ϕ_s130.00000°,δ69.00000°,λ92.00000°. Principal axes: T 1.0070,Plg66.0000°,Azm44.0000°; N 0.0740,Plg2.0000°,Azm309.0000° ; P -1.0820,Plg24.0000°,Azm218.0000° $M_0$1.04400×10^{18}
GCG Event type se. Error ellipse: s-maj=176.0km s-min=159.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 4s2 Moment tensor: Scale 10^{17}Nm; M_{rr}3.93 $M_{\theta\theta}$-2.31 $M_{\phi\phi}$-1.62 $M_{r\theta}$5.53 $M_{\theta\phi}$3.40 $M_{\phi r}$-3.95 NP1:ϕ_s322.44000°,δ17.76000° ,λ105.81000°. NP2:ϕ_s125.88000°,δ72.93000°,λ85.01000°. Principal axes: T 7.5533,Plg62.0000°,Azm28.0000°; N 1.3840,Plg5.0000°,Azm127.0000° ; P -8.9372,Plg28.0000°,Azm220.0000° $M_0$8.33000×10^{17}

(74) Near coast of Nicaragua

ISC	**XI**	**09 06 24 21.9–.55**	**11.14N–.03**	**86.54W–.04**	**42–5**	**5.5b**	**658**	**1-150**
NEIC	XI	09 06 24 20.7–1.2	11.14N–.04	86.57W–.05	21–4	5.7b		**¶635746109**
UCR	XI	09 06 24 20.1–.69	11.02N	86.65W	20–7	5.3W		
CATAC	XI	09 06 24 20.7–.66	11N–3.0	87W–3.0	20–5	5.9,5.9		
GFZ	XI	09 06 24 20.7–.30	11N–3.0	87W–4.0	28–2	6.3L,6.1		
MOS	XI	09 06 24 23.0–1.1	11.39N	86.38W	51	5.2b,6.1		
SNET	XI	09 06 24 24.2	11.25N	86.43W	2	6.1W,6.1		
PTWC	XI	09 06 24 25	11.20N	86.50W	49	6.3,6.1		
IDC	XI	09 06 24 25.1–1.3	11.48N	86.22W	60–12	4.6,4.3b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.0km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=6.1km s-min=8.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=40.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ Error ellipse: s-maj=10.5km s-min=5.1km az=55.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=13.9km s-min=6.5km az=113.5.
SNET hypocenter. smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/qseis_ak135f_continental.
IDC Error ellipse: s-maj=20.0km s-min=8.4km az=55.0.

(74) Near coast of Nicaragua

ISC	**XI**	**09 06 25 15.8–.28**	**11.18N–.02**	**86.59W–.03**	**40–2**	**6.3s,5.8b**	**1776**	**1-163**
BGR	XI	09 06 25 08.0	11.44N	87.97W	33	6.7s,5.7b		**¶635691462**
OSUNB	XI	09 06 25 12.9–.43	11.54N	86.16W	20–3	6.3b,5.7b		
NEIC	XI	09 06 25 14.9–1.4	11.22N–.05	86.53W–.07	20–1	6.2,6.2		
GFZ	XI	09 06 25 14.6	11.48N	86.42W	30	6.3W,6.2		

ISC-P	XI	09 06 25 14	11.22N	86.53W	49–0	6.5,6.2
CATAC	XI	09 06 25 15.7–.27	11N–1.0	87W–1.0	8–1	6.2,6.2
GFZ	XI	09 06 25 15.2–.11	11N–1.0	86W–2.0	33–0	6.5L,6.4b
SNET	XI	09 06 25 15.8–2.4	11N–13	87W–13	10–23	6.5L,6.4b
UCR	XI	09 06 25 15.4–.89	11.15N	86.57W	19–9	6.2W,6.4b
IPGP	XI	09 06 25 17.0	11.23N	86.52W	33	6.3W,6.4b
MOS	XI	09 06 25 17.2–1.2	11.39N	86.33W	58	6.4s,5.8b
NEIC	XI	09 06 25 17	11.24N	86.52W	35	6.4s,5.8b
NEIC	XI	09 06 25 17	11.24N	86.52W	35	6.4s,5.8b
IDC	XI	09 06 25 18.6–.97	11.47N	86.20W	62–8	6.2s,5.2
BJI	XI	09 06 25 19.2	11.27N	86.56W	40	6.7s,6.6
GCMT	XI	09 06 25 20.8–.10	10.98N	86.75W	33–0	6.4W,6.6
GCG	XI	09 06 25 30.8–2.8	11.93N	87.21W	142–103	5.6,6.6
NEIC	XI	09 06 25 31	11.14N	86.62W	36	6.3,6.6

ISC Event type ke.
BGR Event type ke.
OSUNB Event type ke. Error ellipse: s-maj=4.6km s-min=5.5km az=0.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.2km az=240.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.00 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-1.22 $M_{r\theta}$1.30 $M_{\theta\phi}$1.54 $M_{\phi r}$-0.76 NP1:ϕ_s334.29000°,δ30.72000°,λ114.26000°. NP2:ϕ_s126.63000°,δ62.24000° ,λ76.28000°. Principal axes: T 2.5211,Plg70.0000°,Azm8.0000°; N 0.4533,Plg12.0000° ,Azm133.0000°; P -2.9744,Plg16.0000°,Azm227.0000° $M_0$2.78000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.50 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-1.15 $M_{r\theta}$1.44 $M_{\theta\phi}$1.36 $M_{\phi r}$-1.16 NP1: ϕ_s130.43770°,δ62.96305°,λ87.57896°. NP2:ϕ_s315.75163°,δ27.13699°,λ94.73179°. Principal axes: T 3.1029,Plg71.9328°,Azm34.9108°; N 0.1100,Plg2.1563°,Azm131.5387° ; P -3.2128,Plg17.9292°,Azm222.2368° $M_0$3.15930×10^{18}
ISC-P Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}0.27±.14 $M_{\theta\theta}$0.13±.20; $M_{\phi\phi}$-0.38±.15; $M_{r\theta}$0.40±.12; $M_{\theta\phi}$-0.14±.14; $M_{\phi r}$0.45±.12; NP1:ϕ_s114.30000°,δ75.60000° ,λ46.20000°. NP2:ϕ_s9.80000°,δ45.60000°,λ159.60000°. $M_0$8.04000×10^{18}
CATAC Event type se. Error ellipse: s-maj=3.7km s-min=1.7km az=50.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.83 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$-1.26 $M_{r\theta}$-0.64 $M_{\theta\phi}$1.71 $M_{\phi r}$0.09 NP1:ϕ_s140.51129° ,δ40.46521°,λ102.04662°. NP2:ϕ_s304.84229°,δ50.60269°,λ79.90517°. Principal axes: T 2.9225,Plg80.6674°,Azm164.9991°; N 0.2527,Plg7.7845°,Azm311.2892° ; P -3.1752,Plg5.1159°,Azm41.9905° $M_0$3.05672×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.88 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-1.23 $M_{r\theta}$0.32 $M_{\theta\phi}$1.03 $M_{\phi r}$0.06 NP1: ϕ_s133.98386°,δ47.86500°,λ77.74678°. NP2:ϕ_s331.92188°,δ43.55838°,λ103.20251°. Principal axes: T 1.9358,Plg80.6819°,Azm336.0354°; N 0.0808,Plg9.0551°,Azm142.2736° ; P -2.0166,Plg2.1799°,Azm232.6212° $M_0$1.97741×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.31 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-1.10 $M_{r\theta}$0.59 $M_{\theta\phi}$1.11 $M_{\phi r}$-0.00 NP1: ϕ_s124.24000°,δ51.08193°,λ78.05526°. NP2:ϕ_s322.85092°,δ40.43003°,λ104.37724°. Principal axes: T 2.4196,Plg79.2527°,Azm342.5374°; N -0.1071,Plg9.2667°,Azm131.8101° ; P -2.3125,Plg5.3960°,Azm222.6931° $M_0$2.36786×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.30 $M_{\theta\theta}$-1.12 $M_{\phi\phi}$-1.17 $M_{r\theta}$1.52 $M_{\theta\phi}$1.14 $M_{\phi r}$-0.86 NP1: ϕ_s126.21104°,δ63.74160°,λ81.69917°. NP2:ϕ_s324.46230°,δ27.45010°,λ106.31192°. Principal axes: T 2.9158,Plg70.1077°,Azm18.7518°; N -0.0748,Plg7.4391°,Azm129.9043° ; P -2.8409,Plg18.3401°,Azm222.3850° $M_0$2.87910×10^{18}
GFZ Error ellipse: s-maj=4.2km s-min=2.5km az=73.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
UCR Event type se. Error ellipse: s-maj=6.8km s-min=10.6km az=-1.0. Presumed earthquake.
IPGP Moment Tensor Solution. NP1:ϕ_s315.00000°,δ28.00000°,λ99.00000°. NP2:ϕ_s125.00000° ,δ63.00000°,λ85.00000°.
MOS Error ellipse: s-maj=9.8km s-min=5.9km az=100.7.
NEIC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=6.6km az=60.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111090625A. Moment Tensor Solution. s160,c413; s160,c646;Duration: 3s7 Moment tensor: Scale 10^{18}Nm; M_{rr}3.30±.02 $M_{\theta\theta}$-2.16±.01; $M_{\phi\phi}$-1.14±.02; $M_{r\theta}$2.31±.03; $M_{\theta\phi}$1.95±.01; $M_{\phi r}$-1.69±.03; Best double couple: NP1:ϕ_s309.00000°,δ25.00000°,λ92.00000°. NP2:ϕ_s127.00000°,δ65.00000°,λ89.00000°. Principal axes: T 4.3260,Plg70.0000°,Azm35.0000°; N 0.3640,Plg1.0000°,Azm127.0000° ; P -4.6900,Plg20.0000°,Azm217.0000° $M_0$4.50800×10^{18}
GCG Event type se. Error ellipse: s-maj=325.4km s-min=355.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 6s3 Moment tensor: Scale 10^{18}Nm; M_{rr}2.92 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$-1.09 $M_{r\theta}$1.23 $M_{\theta\phi}$2.03 $M_{\phi r}$-0.80 NP1:ϕ_s313.83000°,δ32.92000° ,λ96.28000°. NP2:ϕ_s126.36000°,δ57.31000°,λ85.95000°. Principal axes: T 3.2495,Plg77.0000°,Azm23.0000°; N 0.5884,Plg3.0000°,Azm129.0000° ; P -3.8379,Plg12.0000°,Azm219.0000° $M_0$3.58000×10^{18}

(742) Western Indian-Antarctic Ridge

ISC	**XI**	**09 07 03 45.2–.37**	**49.53S–.05**	**125.87E–.08**	**10**	**4.7b**	**143**	**16-149**
IDC	XI	09 07 03 44.5–.69	49.55S	126.00E	0	4.8s,4.6b		**¶621385111**
GFZ	XI	09 07 03 45.4–.18	49S–3.0	126E–3.0	10	6.1,6.1		
NEIC	XI	09 07 03 45.2–1.3	49.58S–.09	125.9E–.20	10–1	4.6b,6.1		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(274) Southern Sumatera

ISC	**XI**	**10 08 48 12.3–.94**	**4.76S–.05**	**101.90E–.05**	**10**	**3.8b**	**48**	**1-146**
IDC	XI	10 08 48 12.3–4.2	4.30S	102.13E	0	3.7b,3.7		**¶621440055**
DJA	XI	10 08 48 13.5–.30	5S–3.0	102E–2.0	10	5.5b,5.0		

ISC Event type se.

(410) Southern Mid-Atlantic Ridge

ISC	**XI**	**10 10 11 46.3–.38**	**28.15S–.08**	**13.26W–.08**	**10**	**4.8b,4.2s**	**96**	**14-148**
IDC	XI	10 10 11 45.0–.56	28.17S	13.33W	0	4.3b,4.3		**¶621385916**
NEIC	XI	10 10 11 46.6–1.4	28.3S–.10	13.2W–.10	10–1	4.9b,4.3		
GFZ	XI	10 10 11 47.7–.21	28S–6.0	13W–4.0	10	5.6b,5.2		
GCMT	XI	10 10 11 50.5–.30	28.05S–.03	13.32W–.02	28–0	5.0W,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111101011A. Moment Tensor Solution. s23,c24; s112,c151; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.42±.21 $M_{\theta\theta}$0.89±.13; $M_{\phi\phi}$3.53±.14; $M_{r\theta}$0.66±.26; $M_{\theta\phi}$-0.65±.08; $M_{\phi r}$0.19±.20; Best double couple: NP1:ϕ_s339.00000°,δ45.00000° ,λ-101.00000°. NP2:ϕ_s174.00000°,δ46.00000°,λ-80.00000°. Principal axes: T 3.6830,Plg0.0000°,Azm257.0000°; N 0.8270,Plg7.0000°,Azm347.0000° ; P -4.5100,Plg83.0000°,Azm165.0000° $M_0$4.09600×10^{16}

(404) Azores Islands region

ISC	**XI**	**10 11 02 11.0–.42**	**36.73N–.08**	**33.46W–.05**	**10**	**4.9b,4.3s**	**213**	**4-102**
IDC	XI	10 11 02 08.8–.63	36.63N	33.49W	0	4.4b,4.4		**¶621385927**
GFZ	XI	10 11 02 11.5–.40	37N–9.0	33W–3.0	10	6.1b,5.8		
NEIC	XI	10 11 02 11.5–1.8	36.8N–.10	33.4W–.10	10–1	5.1b,5.8		
GCMT	XI	10 11 02 12.2–.20	36.78N–.01	33.37W–.01	12	4.8W,5.8		
INMG	XI	10 11 02 38.0–4.6	36.93N	31.09W	10	4.0,5.8		

ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=12.9km az=162.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=16.7km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111101102A. Moment Tensor Solution. s38,c43; s118,c169; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.26±.06 $M_{\theta\theta}$-1.31±.07; $M_{\phi\phi}$1.57±.06; $M_{r\theta}$0.43±.17; $M_{\theta\phi}$1.76±.05; $M_{\phi r}$0.08±.16; Best double couple: NP1:ϕ_s341.00000°,δ79.00000° ,λ-176.00000°. NP2:ϕ_s250.00000°,δ87.00000°,λ-11.00000°. Principal axes: T 2.4280,Plg5.0000°,Azm296.0000°; N -0.2180,Plg78.0000°,Azm53.0000° ; P -2.2090,Plg10.0000°,Azm205.0000° $M_0$2.31900×10^{16}
INMG Event type ke. #DIST_RANGE: DISTANT.

(706) Northern Sumatera

ISC	**XI**	**10 14 25 16.7–.81**	**1.95N–.04**	**96.70E–.04**	**24–5**	**4.7b,3.9s**	**241**	**1-99**
IDC	XI	10 14 25 12.9–.71	1.91N	96.57E	0	4.8L,4.4b		**¶621391507**
BJI	XI	10 14 25 13.4	1.86N	96.83E	18	4.9b,4.7b		
BKK	XI	10 14 25 15.6–1.5	2N–8.0	97E–14	10	5.1b,4.9b		
NEIC	XI	10 14 25 17.6–.94	1.94N–.05	96.70E–.07	28–2	4.7b,4.9b		
DJA	XI	10 14 25 17.0–.50	2N–2.0	97E–4.0	23–6	5.2b,5.0b		
GFZ	XI	10 14 25 19.0–.53	2N–4.0	97E–4.0	26–3	6.5b,6.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(239) Southeast of Ryukyu Islands

ISC	**XI**	**10 15 45 13.6–.35**	**23.53N–.02**	**126.48E–.02**	**14–1**	**6.5s,6.3b**	**3186**	**2-178**
BJI	XI	10 15 45 09.1	23.50N	126.55E	10	6.8s,6.8		**¶621391510**
PTWC	XI	10 15 45 10	23.40N	126.50E	10	6.6,6.8		
MOS	XI	10 15 45 11.4–.98	23.58N	126.52E	10	6.6s,6.5b		
IDC	XI	10 15 45 11.8–.32	23.56N	126.41E	0	6.3s,5.9L		
IPGP	XI	10 15 45 13.0	23.54N	126.48E	13	6.5W,5.9L		
NEIC	XI	10 15 45 13.8	23.57N	126.45E	13	6.5W,5.9L		
NEIC	XI	10 15 45 13.7–1.6	23.59N–.05	126.45E–.07	12–1	6.4b,6.4		
NEIC	XI	10 15 45 13.8	23.57N	126.45E	13	6.4b,6.4		
NEIC	XI	10 15 45 13.3	23.56N	126.46E	10	6.4b,6.4		
ISC-P	XI	10 15 45 13	23.59N	126.45E	37–0	6.8,6.4		
NIED	XI	10 15 45 14.6	23.73N	126.37E	115	6.4W,6.4		
GFZ	XI	10 15 45 14.0	23.56N	126.40E	20	6.5W,6.4		
GFZ	XI	10 15 45 14.5–.06	24N–1.0	126E–1.0	20	6.8b,6.7		
TAP	XI	10 15 45 14.9	23.55N	126.14E	10–3	6.5L,6.7		
JMA	XI	10 15 45 14.6–.22	24N–2.0	126E–1.0	115–4	6.6W,6.5		
BGR	XI	10 15 45 18.6	23.41N	125.45E	33	7.2s,6.9		
GCMT	XI	10 15 45 18.3–.00	23.54N	126.31E	22–0	6.6W,6.9		
NEIC	XI	10 15 45 23.9	23.34N	126.25E	29	6.6,6.9		
NEIC	XI	10 15 45 25.7	23.56N	126.35E	26	6.6,6.9		

ISC Event type ke.
MOS Error ellipse: s-maj=5.7km s-min=3.4km az=113.5.
IDC Error ellipse: s-maj=10.5km s-min=7.9km az=104.0.
IPGP Moment Tensor Solution. NP1:ϕ_s252.00000°,δ42.00000°,λ-104.00000°. NP2:ϕ_s90.00000° ,δ49.00000°,λ-78.00000°.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.3km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-3.26 $M_{\theta\theta}$5.41 $M_{\phi\phi}$-2.15 $M_{r\theta}$-0.46 $M_{\theta\phi}$1.73 $M_{\phi r}$0.03 NP1:ϕ_s86.37000°,δ48.50000°,λ-77.74000°. NP2:ϕ_s248.21000°,δ42.95000° ,λ-103.49000°. Principal axes: T 5.8093,Plg3.0000°,Azm168.0000°; N -2.5069,Plg9.0000° ,Azm258.0000°; P -3.3024,Plg80.0000°,Azm61.0000° $M_0$5.05000×10^{18}
NEIC Event type se.
NEIC Event type se.
ISC-P Moment Tensor Solution. s45 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.71±.07 $M_{\theta\theta}$0.65±.17; $M_{\phi\phi}$0.08±.17; $M_{r\theta}$0.05±.13; $M_{\theta\phi}$-0.09±.12; $M_{\phi r}$0.16±.33; NP1:ϕ_s67.90000°,δ44.40000° ,λ259.70000°. NP2:ϕ_s262.10000°,δ46.50000°,λ-80.10000°. $M_0$1.78000×10^{19}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.65 $M_{\theta\theta}$4.64 $M_{\phi\phi}$-0.98 $M_{r\theta}$-1.87 $M_{\theta\phi}$1.37 $M_{\phi r}$-0.18 NP1:ϕ_s251.00000°,δ34.00000°,λ-99.00000°. NP2:ϕ_s82.00000° ,δ57.00000°,λ-84.00000°. $M_0$4.70000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-6.44 $M_{\theta\theta}$6.79 $M_{\phi\phi}$-0.35 $M_{r\theta}$-1.70 $M_{\theta\phi}$1.35 $M_{\phi r}$1.46 NP1: ϕ_s94.22642°,δ52.78728°,λ-71.27993°. NP2:ϕ_s244.96337°,δ41.03884°,λ-112.91058°. Principal axes: T 7.1893,Plg6.0678°,Azm171.0341°; N -0.1341,Plg14.8091°,Azm262.6445° ; P -7.0552,Plg73.9430°,Azm59.3601° $M_0$7.12318×10^{18}
GFZ Error ellipse: s-maj=2.8km s-min=2.6km az=76.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
TAP D.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111101545A. Moment Tensor Solution. s166,c404; s166,c764;Duration: 4s8 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.82±.00 $M_{\theta\theta}$0.94±.00; $M_{\phi\phi}$-0.12±.00; $M_{r\theta}$-0.11±.01; $M_{\theta\phi}$0.25±.00; $M_{\phi r}$0.15±.01; Best double couple: NP1:ϕ_s243.00000°,δ44.00000°,λ-110.00000°. NP2:ϕ_s91.00000°,δ49.00000°,λ-71.00000°. Principal axes: T 0.9980,Plg2.0000°,Azm168.0000°; N -0.1360,Plg14.0000°,Azm258.0000° ; P -0.8630,Plg76.0000°,Azm68.0000° $M_0$0.93000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 11s5 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.93 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-0.14 $M_{r\theta}$-0.48 $M_{\theta\phi}$0.19 $M_{\phi r}$-0.13 NP1:ϕ_s77.70000°,δ58.09000° ,λ-94.10000°. NP2:ϕ_s265.43000°,δ32.15000°,λ-83.45000°. Principal axes: T 1.2116,Plg13.0000°,Azm171.0000°; N -0.1689,Plg3.0000°,Azm80.0000° ; P -1.0427,Plg77.0000°,Azm335.0000° $M_0$1.13000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 10s1 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.81 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-0.13 $M_{r\theta}$-0.35 $M_{\theta\phi}$0.24 $M_{\phi r}$0.23 NP1:ϕ_s238.11000°,δ39.49000° ,λ-122.00000°. NP2:ϕ_s97.11000°,δ57.36000°,λ-66.41000°. Principal axes: T 1.0437,Plg9.0000°,Azm170.0000°; N -0.0784,Plg20.0000°,Azm264.0000° ; P -0.9653,Plg68.0000°,Azm56.0000° $M_0$1.01000×10^{19}

(173) Tonga Islands

ISC	**XI**	**10 16 02 02.2–.56**	**19.88S–.07**	**173.56W–.10**	**10**	**4.8b**	**100**	**6-151**
GFZ	XI	10 16 01 57.3–.40	20S–9.0	173W–5.0	10	6.6,6.5		**¶621391513**
IDC	XI	10 16 02 01.6–.75	20.16S	173.57W	0	4.3b,4.3		
NEIC	XI	10 16 02 02.9–1.9	19.8S–.10	173.5W–.10	10–1	4.8b,4.3		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(204) Aru Islands region

ISC	**XI**	**10 17 46 42.0–.40**	**4.42S–.02**	**134.15E–.03**	**20–1**	**6.1s,5.8b**	**1521**	**1-170**
BJI	XI	10 17 46 32.0	5.05S	134.60E	5	6.0s,5.9b		**¶622274821**
IDC	XI	10 17 46 38.9–.30	4.35S	134.21E	0	5.7s,5.2L		
MOS	XI	10 17 46 39.6–1.1	4.40S	134.21E	17	5.9b,5.8s		
NEIC	XI	10 17 46 40.4	4.33S	134.18E	10	5.9b,5.8s		
NEIC	XI	10 17 46 40.4–1.7	4.32S–.05	134.18E–.06	10–1	6.1,6.1b		
NEIC	XI	10 17 46 40.2	4.39S	134.17E	10	6.1,6.1b		
DJA	XI	10 17 46 41.0–.10	4S–1.0	134E–1.0	13	6.2,6.2b		
GFZ	XI	10 17 46 42.7–.10	4S–2.0	134E–2.0	20	6.2b,6.2L		
PTWC	XI	10 17 46 42	4.40S	134.20E		6.2,6.2L		
GFZ	XI	10 17 46 42.4	4.42S	134.08E	21	6.0W,6.2L		
GCMT	XI	10 17 46 43.7–.10	4.21S–.01	134.22E	14–0	6.0W,6.2L		
NEIC	XI	10 17 46 48.6	4.29S	134.27E	20	6.0,6.2L		

ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=7.9km az=62.0.
MOS Error ellipse: s-maj=8.1km s-min=4.7km az=111.5.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.6km az=124.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.20 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$0.81 $M_{r\theta}$0.14 $M_{\theta\phi}$0.94 $M_{\phi r}$0.08 NP1:ϕ_s68.23000°,δ87.49000°,λ7.64000°. NP2:ϕ_s337.89000°,δ82.37000° ,λ177.47000°. Principal axes: T 1.2286,Plg7.0000°,Azm293.0000°; N 0.1884,Plg82.0000° ,Azm86.0000°; P -1.4170,Plg4.0000°,Azm203.0000° $M_0$1.33000×10^{18}
NEIC Event type se.
GFZ Error ellipse: s-maj=4.1km s-min=3.5km az=40.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC PAPUA REGION, INDONESIA.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.59 $M_{\theta\theta}$-0.42 $M_{\phi\phi}$1.01 $M_{r\theta}$0.56 $M_{\theta\phi}$0.70 $M_{\phi r}$0.30 NP1: ϕ_s343.51438°,δ48.56596°,λ-155.12401°. NP2:ϕ_s236.45624°,δ71.61666°,λ-44.21433°. Principal axes: T 1.4221,Plg14.1777°,Azm294.9406°; N -0.3196,Plg42.8561°,Azm38.4965° ; P -1.1025,Plg43.7042°,Azm190.9685° $M_0$1.29227×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111101746A. Moment Tensor Solution. s129,c227; s162,c482;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.30±.01 $M_{\theta\theta}$-0.78±.01; $M_{\phi\phi}$1.09±.01; $M_{r\theta}$0.13±.03; $M_{\theta\phi}$0.74±.01; $M_{\phi r}$0.28±.03; Best double couple:

NP1:ϕ_s334.00000°,δ81.00000°,λ175.00000°. NP2:ϕ_s65.00000°,δ85.00000°,λ9.00000°. Principal axes: T 1.4060,Plg10.0000°,Azm289.0000°; N -0.3570,Plg79.0000°,Azm94.0000° ; P -1.0450,Plg3.0000°,Azm199.0000° $M_0$1.22600×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 4s8 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.83 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$1.11 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.62 $M_{\phi r}$0.18 NP1:ϕ_s169.45000°,δ55.17000° ,λ-138.27000°. NP2:ϕ_s52.46000°,δ56.88000°,λ-42.99000°. Principal axes: T 1.3498,Plg1.0000°,Azm111.0000°; N -0.0501,Plg38.0000°,Azm202.0000° ; P -1.2997,Plg52.0000°,Azm20.0000° $M_0$1.33000×10^{18}

(196) Irian Jaya region

ISC	**XI**	**10 20 23 25.9–1.7**	**4.21S–.03**	**134.35E–.04**	**23–14**	**3.8b**	**47**	**1-78**
IDC	XI	10 20 23 23.6–.91	4.05S	134.38E	0	3.8L,3.8b		**¶621440078**
DJA	XI	10 20 23 27.7–.20	4S–2.0	134E–2.0	64–13	6.3b,6.0		

ISC Event type se.

(193) Bougainville-Solomon Islands region

ISC	**XI**	**10 21 19 56.4–.40**	**6.68S–.05**	**155.01E–.06**	**41–3**	**5.0b,3.6s**	**281**	**4-160**
BJI	XI	10 21 19 53.1	6.65S	155.24E	29	5.4b,4.8s		**¶621392734**
GFZ	XI	10 21 19 56.9–.75	7S–3.0	155E–4.0	56–7	5.6b,5.1b		
NEIC	XI	10 21 19 56.5–1.7	6.63S–.08	155.00E–.08	35–1	5.0b,5.1b		
IDC	XI	10 21 19 58.4–2.4	6.71S	155.16E	60–21	4.3,4.1L		
DJA	XI	10 21 20 27.9–1.1	7S–16	155E–30	377–43	5.2b,5.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(407) North of Ascension Island

ISC	**XI**	**11 00 28 51.1–.39**	**2.52S–.08**	**12.32W–.08**	**10**	**4.7b,3.7s**	**124**	**6-140**
NEIC	XI	11 00 28 50.7–1.4	2.6S–.10	12.11W–.10	10–1	4.9b,3.7s		**¶621392742**
IDC	XI	11 00 28 50.3–.59	2.44S	12.18W	0	4.1b,4.1		
GFZ	XI	11 00 28 52.8–.22	3S–5.0	13W–6.0	10	6.9b,6.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(6) Rat Islands

ISC	**XI**	**11 06 34 51.6–.86**	**51.23N–.06**	**178.97E–.03**	**32–4**	**4.6b,3.8s**	**341**	**0-146**
MOS	XI	11 06 34 50.4–.99	51.28N	179.05E	36	4.8b,3.8s		**¶621392766**
NEIC	XI	11 06 34 51–1.4	51.17N–.04	178.94E–.06	28–4	4.6b,4.5L		
AEIC	XI	11 06 34 51.1–1.9	51.12N–.04	178.92E–.09	11–4	4.6b,4.5L		
GFZ	XI	11 06 34 53.2–1.8	51N–9.0	179E–4.0	33–14	7.6,7.5b		
IDC	XI	11 06 34 54.5–2.2	51.32N	179.07E	57–17	4.4,4.2L		

ISC Event type se.
MOS Error ellipse: s-maj=10.4km s-min=7.5km az=102.4.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.5km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.1km az=105.0. hypocenter. manual.
GFZ Error ellipse: s-maj=19.5km s-min=7.6km az=179.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=18.6km s-min=10.8km az=175.0.

(178) Kermadec Islands

ISC	**XI**	**11 06 35 32.0–.31**	**30.24S–.04**	**177.85W–.06**	**50**	**5.2b,4.2s**	**287**	**1-163**
NOU	XI	11 06 35 07.7	30.14S	175.23W	5	5.4b,4.2s		**¶621883512**
GFZ	XI	11 06 35 26.1–.26	30S–4.0	178W–4.0	10	6.1b,6.0		
NEIC	XI	11 06 35 31.2–.92	30.27S–.07	177.9W–.10	35–2	5.0b,6.0		
IDC	XI	11 06 35 32.6–2.3	30.22S	177.85W	48–20	4.6,4.3b		
GCMT	XI	11 06 35 34.7–.20	30.32S–.02	177.61W–.02	45–0	5.1W,4.3b		

ISC Event type se.
NOU Kermadec Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111110635A. Moment Tensor Solution. s70,c93; s95,c139; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.80±.17 $M_{\theta\theta}$-0.59±.11; $M_{\phi\phi}$-4.21±.10; $M_{r\theta}$0.24±.09; $M_{\theta\phi}$-1.35±.08; $M_{\phi r}$2.00±.08; Best double couple: NP1:ϕ_s203.00000°,δ34.00000° ,λ97.00000°. NP2:ϕ_s14.00000°,δ56.00000°,λ85.00000°. Principal axes: T 5.2240,Plg78.0000°,Azm268.0000°; N -0.1720,Plg4.0000°,Azm17.0000° ; P -5.0540,Plg11.0000°,Azm107.0000° $M_0$5.13900×10^{16}

(638) Iceland

ISC	**XI**	**11 13 21 41.3–.47**	**63.92N–.02**	**19.68W–.01**	**9–2**	**5.1b,4.3s**	**700**	**0-154**
BJI	XI	11 13 21 39.0	63.90N	19.80W	10	5.1b,5.0s		**¶621395284**
BGS	XI	11 13 21 39.8–2.0	63.90N	19.67W	10	5.1L,5.1L		
GFZ	XI	11 13 21 40.3–.28	64N–4.0	20W–4.0	10	5.7b,5.3		
IDC	XI	11 13 21 40.1–.42	63.89N	19.71W	0	4.6b,4.6		
GFZ	XI	11 13 21 40.3	63.85N	20.00W	10	4.9W,4.6		
MOS	XI	11 13 21 40.2–.93	63.91N	19.72W	10	5.0b,4.3s		
REY	XI	11 13 21 40.7	63.91N	19.68W	6	5.0b,4.3s		
NEIC	XI	11 13 21 41.9–2.3	63.97N–.07	19.7W–.20	10–1	5.2b,4.3s		
NEIC	XI	11 13 21 41.9	63.95N	19.74W	10	5.2b,4.3s		
NEIC	XI	11 13 21 42.2	63.65N	19.52W	20	5.0,4.3s		
GCMT	XI	11 13 21 42.5–.20	63.81N–.01	19.63W–.02	17–1	5.0W,4.3s		
DNK	XI	11 13 21 48.5–4.1	63.92N	19.62W	60–56	5.0W,4.3s		
NAO	XI	11 13 21 49.6	63.88N	19.70W	10	4.9b,4.3s		

ISC Event type se.
BGS Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=11.4km s-min=4.4km az=49.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=14.0km s-min=8.0km az=27.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$1.75 $M_{r\theta}$-0.07 $M_{\theta\phi}$1.93 $M_{\phi r}$-0.07 NP1: ϕ_s159.38065°,δ88.02827°,λ179.23712°. NP2:ϕ_s249.40690°,δ89.23758°,λ1.97190°. Principal axes: T 2.6235,Plg1.9334°,Azm114.4082°; N -0.1184,Plg87.8859°,Azm270.5374° ; P -2.5050,Plg0.8549°,Azm24.3794° $M_0$2.56630×10^{16}
MOS Error ellipse: s-maj=7.8km s-min=5.3km az=108.3.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=6.8km az=227.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22 $M_{\theta\theta}$-2.21 $M_{\phi\phi}$2.43 $M_{r\theta}$-2.18 $M_{\theta\phi}$2.36 $M_{\phi r}$-0.80 NP1:ϕ_s158.58000°,δ54.94000° ,λ-176.96000°. NP2:ϕ_s66.84000°,δ87.51000°,λ-35.10000°. Principal axes: T 4.0638,Plg22.0000°,Azm118.0000°; N -0.0358,Plg55.0000°,Azm243.0000° ; P -4.0280,Plg26.0000°,Azm17.0000° $M_0$4.05000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111111321A. Moment Tensor Solution. s46,c59; s128,c211; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.09 $M_{\theta\theta}$-2.58±.08; $M_{\phi\phi}$2.50±.07; $M_{r\theta}$-0.41±.19; $M_{\theta\phi}$2.70±.07; $M_{\phi r}$-1.47±.21; Best double couple: NP1:ϕ_s250.00000°,δ73.00000° ,λ12.00000°. NP2:ϕ_s157.00000°,δ78.00000°,λ163.00000°. Principal axes: T 4.2200,Plg20.0000°,Azm113.0000°; N -0.4620,Plg70.0000°,Azm303.0000° ; P -3.7590,Plg3.0000°,Azm204.0000° $M_0$3.98900×10^{16}
DNK Event type se. Error ellipse: s-maj=22.9km s-min=42.5km az=-1.0. Presumed earthquake.
NAO Event type se. Presumed earthquake.

(410) Southern Mid-Atlantic Ridge

ISC	**XI**	**12 00 34 17.1–.22**	**26.55S–.04**	**13.74W–.05**	**10**	**5.3s,5.3b**	**1070**	**13-154**
NEIC	XI	12 00 34 07.2	26.54S	13.70W	12	5.8,5.3b		**¶621399231**
MOS	XI	12 00 34 14.8–1.0	26.53S	13.71W	10	5.6b,5.4s		
IDC	XI	12 00 34 14.7–.35	26.49S	13.69W	0	5.2s,5.0b		
NEIC	XI	12 00 34 16.8–1.4	26.54S–.09	13.7W–.10	10–1	5.6b,5.3		
NEIC	XI	12 00 34 16.8	26.54S	13.70W	10	5.6b,5.3		
IPGP	XI	12 00 34 16.0	26.56S	13.69W	6	5.7W,5.3		
GFZ	XI	12 00 34 17.6	26.41S	13.68W	10	5.7W,5.3		
GFZ	XI	12 00 34 17.5–.09	26S–2.0	14W–2.0	10	5.9b,5.7		
GCMT	XI	12 00 34 18.9–.10	26.53S–.01	13.79W	12	5.7W,5.7		
BGR	XI	12 00 34 23.2	25.87S	11.62W	33	5.4b,5.7		

ISC Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.99 $M_{\theta\theta}$-0.78 $M_{\phi\phi}$3.77 $M_{r\theta}$0.74 $M_{\theta\phi}$-0.94 $M_{\phi r}$-3.96 NP1:ϕ_s168.04000°,δ20.38000° ,λ-91.21000°. NP2:ϕ_s349.33000°,δ69.62000°,λ-89.55000°. Principal axes: T 5.8048,Plg25.0000°,Azm79.0000°; N -0.9693,Plg0.0000°,Azm169.0000° ; P -4.8355,Plg65.0000°,Azm260.0000° $M_0$5.39000×10^{17}
MOS Error ellipse: s-maj=11.7km s-min=5.4km az=65.3.
IDC Error ellipse: s-maj=14.0km s-min=10.6km az=127.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=14.1km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s328.00000°,δ33.00000°,λ-123.00000°. NP2:ϕ_s186.00000° ,δ63.00000°,λ-71.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.82 $M_{\theta\theta}$0.30 $M_{\phi\phi}$3.52 $M_{r\theta}$1.16 $M_{\theta\phi}$-0.78 $M_{\phi r}$-0.31 NP1: ϕ_s180.32319°,δ42.36690°,λ-69.20238°. NP2:ϕ_s333.11692°,δ50.95237°,λ-107.94433°. Principal axes: T 3.7435,Plg4.4155°,Azm75.7380°; N 0.3861,Plg13.8436°,Azm344.6477° ; P -4.1296,Plg75.4424°,Azm183.0363° $M_0$3.95070×10^{17}
GFZ Error ellipse: s-maj=6.0km s-min=3.1km az=140.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111120034A. Moment Tensor Solution. s143,c269; s169,c529;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.83±.02 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$3.89±.02; $M_{r\theta}$0.61±.07; $M_{\theta\phi}$-0.81±.02; $M_{\phi r}$-0.11±.07; Best double couple: NP1:ϕ_s178.00000°,δ44.00000°,λ-77.00000°. NP2:ϕ_s340.00000°,δ47.00000°,λ-102.00000°. Principal axes: T 4.0570,Plg2.0000°,Azm79.0000°; N -0.1320,Plg9.0000°,Azm348.0000° ; P -3.9250,Plg81.0000°,Azm179.0000° $M_0$3.99100×10^{17}
BGR Event type ke.

(87) Haiti region

ISC	**XI**	**12 07 42 46.9–.86**	**18.33N–.03**	**74.31W–.03**	**10–5**	**4.8b,3.8s**	**396**	**2-153**
IDC	XI	12 07 42 45.8–.45	18.36N	74.28W	0	4.5b,4.5		**¶621399251**
CATAC	XI	12 07 42 46.9–1.0	18N–3.0	74W–2.0	8–7	5.0,4.9b		
JSN	XI	12 07 42 47.0–1.4	18.35N	74.32W	0–12	5.0,4.9b		
SSNC	XI	12 07 42 47.4–1.2	18.24N	74.33W	9–10	5.4W,4.7L		
NEIC	XI	12 07 42 47.6–1.5	18.38N–.06	74.29W–.04	8–5	4.8b,4.6		
NEIC	XI	12 07 42 47.5	18.38N	74.29W	7	4.8b,4.6		
OSPL	XI	12 07 42 48.9–6.0	18.38N	74.28W	4–27	4.6L,4.6		
GFZ	XI	12 07 42 48.3–.17	18N–3.0	74W–2.0	10	5.8b,5.7		
GCMT	XI	12 07 42 49.1–.20	18.32N–.02	74.26W–.03	12–1	4.7W,5.7		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.66 $M_{\theta\theta}$-4.26 $M_{\phi\phi}$-0.40 $M_{r\theta}$1.65 $M_{\theta\phi}$3.95 $M_{\phi r}$-0.62 NP1:ϕ_s115.78844° ,δ53.76674°,λ81.77433°. NP2:ϕ_s309.53156°,δ37.03012°,λ101.04777°. Principal axes: T 4.9591,Plg79.2496°,Azm352.9436°; N 2.0228,Plg6.6270°,Azm120.6722° ; P -6.9819,Plg8.4267°,Azm211.6584° $M_0$6.22217×10^{15}
JSN Event type se. Presumed earthquake.
SSNC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}8.17 $M_{\theta\theta}$-7.24 $M_{\phi\phi}$-0.93 $M_{r\theta}$3.09 $M_{\theta\phi}$3.63 $M_{\phi r}$1.31 NP1:ϕ_s310.26000°,δ39.79000°,λ115.18000°. NP2:ϕ_s98.80000°,δ54.61000° ,λ70.49000°. Principal axes: T 9.1782,Plg72.0000°,Azm318.0000°; N 0.0267,Plg16.0000° ,Azm110.0000°; P -9.2049,Plg8.0000°,Azm203.0000° $M_0$9.19000×10^{15}
NEIC Event type se.
OSPL Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111120742A. Moment Tensor Solution. s21,c21; s99,c126; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.43±.10 $M_{\theta\theta}$-1.14±.06; $M_{\phi\phi}$-0.28±.05; $M_{r\theta}$0.54±.15; $M_{\theta\phi}$0.53±.04; $M_{\phi r}$-0.10±.19; Best double couple: NP1:ϕ_s300.00000°,δ35.00000° ,λ98.00000°. NP2:ϕ_s110.00000°,δ56.00000°,λ84.00000°. Principal axes: T 1.5390,Plg79.0000°,Azm359.0000°; N -0.0490,Plg5.0000°,Azm114.0000° ; P -1.4880,Plg10.0000°,Azm204.0000° $M_0$1.51400×10^{16}

(224) Hokkaido region

ISC	**XI**	**13 05 02 53.8–.79**	**46.00N–.03**	**145.03E–.04**	**25–5**	**4.5b,3.5s**	**281**	**2-154**
IDC	XI	13 05 02 49.1–.51	46.07N	144.98E	0	4.0b,4.0		**¶621402633**
GFZ	XI	13 05 02 50.9–.21	46N–4.0	145E–3.0	10	5.9b,5.4		
MOS	XI	13 05 02 51.0–1.0	45.99N	145.00E	17	4.7b,5.4		
NIED	XI	13 05 02 52.9	45.83N	145.00E	14	4.3W,5.4		
BJI	XI	13 05 02 52.6	46.03N	144.67E	12	4.6b,4.2b		
JMA	XI	13 05 02 52.9–.36	46N–1.0	145E–1.0	14	4.4,4.2b		
NEIC	XI	13 05 02 52.7–.87	46.05N–.03	144.83E–.09	10–1	4.6b,4.2b		
SKHL	XI	13 05 02 54.3–.50	46.00N	145.10E	51–5	5.2b,4.2b		

ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=9.7km az=137.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=7.5km s-min=4.7km az=97.1.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.82 $M_{\theta\theta}$-2.81 $M_{\phi\phi}$0.99 $M_{r\theta}$1.42 $M_{\theta\phi}$0.52 $M_{\phi r}$-0.73 NP1:ϕ_s254.00000°,δ33.00000°,λ54.00000°. NP2:ϕ_s115.00000° ,δ64.00000°,λ111.00000°. $M_0$2.89000×10^{15}
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.9km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(590) Western Australia

ISC	**XI**	**13 13 05 52.8–.21**	**21.14S–.03**	**119.88E–.03**	**10**	**5.4b,4.5s**	**1099**	**0-152**
IDC	XI	13 13 05 52.0–.34	21.14S	119.86E	0	5.5L,5.1		**¶621402738**
BJI	XI	13 13 05 52.1	21.38S	120.20E	29	5.2b,5.1b		
AUST	XI	13 13 05 52.7–.10	21S–1.0	120E–1.0	10	5.9b,5.3L		
NOU	XI	13 13 05 52.1	21.18S	119.82E	13	5.9b,5.3L		
MOS	XI	13 13 05 52.0–.95	21.07S	119.79E	11	5.4b,5.3L		
GFZ	XI	13 13 05 53.1–.16	21S–2.0	120E–3.0	10	6.8L,6.0b		
NEIC	XI	13 13 05 54.2–2.4	20.93S–.04	119.81E–.07	10–1	5.4b,5.3		
GFZ	XI	13 13 05 55.9	21.14S	119.89E	29	5.3W,5.3		
GCMT	XI	13 13 05 59.0–.10	21.10S–.01	119.82E–.01	30–0	5.4W,5.3		

ISC Event type ke.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NOU Western Australia.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97 $M_{\theta\theta}$1.08 $M_{\phi\phi}$-0.11 $M_{r\theta}$0.19 $M_{\theta\phi}$-0.34 $M_{\phi r}$-0.38 NP1: ϕ_s86.36524°,δ40.77970°,λ-119.19456°. NP2:ϕ_s302.78880°,δ55.23712°,λ-67.18175°. Principal axes: T 1.2115,Plg7.6003°,Azm16.7283°; N -0.0931,Plg18.5778°,Azm109.2987° ; P -1.1184,Plg69.8209°,Azm265.4394° $M_0$1.16772×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111131305A. Moment Tensor Solution. s124,c202; s139,c255;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24±.02 $M_{\theta\theta}$1.57±.02; $M_{\phi\phi}$-1.33±.02; $M_{r\theta}$0.24±.03; $M_{\theta\phi}$-0.43±.01; $M_{\phi r}$-0.36±.03; Best double couple: NP1: ϕ_s54.00000°,δ73.00000°,λ-176.00000°. NP2:ϕ_s322.00000°,δ86.00000°,λ-17.00000°. Principal axes: T 1.6760,Plg9.0000°,Azm9.0000°; N -0.2000,Plg73.0000°,Azm129.0000° ; P -1.4750,Plg15.0000°,Azm277.0000° $M_0$1.57600×10^{17}

(181) Fiji Islands region

ISC	**XI**	**13 14 08 46.7–.52**	**15.09S–.04**	**176.00W–.03**	**18–2**	**5.3s,5.1b**	**515**	**2-177**
NEIC	XI	13 14 08 44.5	14.86S	176.05W	10	5.3s,5.1b		**¶621402812**
NEIC	XI	13 14 08 44.5–2.4	14.77S–.08	176.10W–.05	10–1	5.5,5.5		
IDC	XI	13 14 08 45.7–.42	15.19S	176.16W	0	5.1s,4.7b		
BJI	XI	13 14 08 45.5	15.10S	176.20W	10	5.5s,5.4b		
MOS	XI	13 14 08 45.7–1.9	15.05S	176.38W	10	5.5s,5.3b		
NOU	XI	13 14 08 47.3	15.45S	175.77W	28	5.1b,5.3b		
GFZ	XI	13 14 08 51.0–.41	15S–6.0	176W–4.0	33–3	5.7,5.6b		
GCMT	XI	13 14 08 52.2–.10	15.12S–.01	176.10W–.01	12	5.6W,5.6b		

ISC Event type se.
NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16 $M_{r\theta}$2.24 $M_{\theta\phi}$-2.08 $M_{r\theta}$-0.61 $M_{\theta\theta}$0.47 $M_{\theta r}$-0.21 NP1:ϕ_s309.74000°,δ77.38000°,λ6.74000°. NP2:ϕ_s218.26000°,δ83.43000°,λ167.29000°. Principal axes: T 2.4410,Plg14.0000°,Azm173.0000°; N -0.3047,Plg76.0000°,Azm11.0000°; P -2.1363,Plg4.0000°,Azm265.0000° $M_0$2.30000×10^{17}

NOU Tonga Islands.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111131408A. Moment Tensor Solution. s127,c218; s165,c329;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.53±.03 $M_{\theta\theta}$3.23±.03; $M_{\phi\phi}$-2.70±.03; $M_{r\theta}$0.01±.08; $M_{\theta\phi}$0.91±.03; $M_{\theta r}$-0.41±.08; Best double couple: NP1: ϕ_s306.00000°,δ83.00000°,λ-6.00000°. NP2:ϕ_s37.00000°,δ84.00000°,λ-173.00000°. Principal axes: T 3.3660,Plg1.0000°,Azm171.0000°; N -0.4630,Plg80.0000°,Azm77.0000°; P -2.9050,Plg10.0000°,Azm262.0000° $M_0$3.13500×10^{17}

(410) Southern Mid-Atlantic Ridge

ISC	XI	13 14 10 38.6–.29	26.48S–.06	13.66W–.06	10	5.2s,4.9b	348	13-154
NEIC	XI	13 14 10 27.4	26.41S	13.71W	12	5.5,4.9b	¶621402810	
MOS	XI	13 14 10 37.4–1.3	26.61S	13.69W	10	5.2s,5.2b		
IDC	XI	13 14 10 37.3–.46	26.45S	13.82W	0	5.0s,4.4b		
NEIC	XI	13 14 10 39.3–1.6	26.45S–.09	13.7W–.10	10–1	5.2b,5.2		
NEIC	XI	13 14 10 39.6	26.41S	13.71W	10	5.2b,5.2		
GFZ	XI	13 14 10 40.0	26.37S	13.77W	10	5.4W,5.2		
GFZ	XI	13 14 10 40.1–.18	26S–5.0	14W–3.0	10	5.5b,5.0		
GCMT	XI	13 14 10 41.0–.10	26.51S–.01	13.82W–.01	12	5.4W,5.0		

ISC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$1.43 $M_{r\theta}$1.64 $M_{\theta\phi}$-0.19 $M_{\theta r}$-1.03 NP1:ϕ_s204.22000°,δ29.91000°,λ-23.54000°. NP2:ϕ_s314.91000°,δ78.52000°,λ-117.80000°. Principal axes: T 2.1176,Plg28.0000°,Azm67.0000°; N 0.3517,Plg27.0000°,Azm321.0000°; P -2.4693,Plg49.0000°,Azm195.0000° $M_0$2.31000×10^{17}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.46 $M_{\theta\theta}$0.26 $M_{\phi\phi}$1.20 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.33 $M_{\theta r}$-0.16 NP1: ϕ_s172.85001°,δ40.33354°,λ-73.12222°. NP2:ϕ_s331.14691°,δ51.73079°,λ-103.84794°. Principal axes: T 1.3285,Plg5.8007°,Azm70.9414°; N 0.2243,Plg10.8310°,Azm339.8277°; P -1.5527,Plg77.6802°,Azm188.6616° $M_0$1.45365×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111131410A. Moment Tensor Solution. s104,c147; s159,c303;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52±.02 $M_{\theta\theta}$0.07±.02; $M_{\phi\phi}$1.45±.02; $M_{r\theta}$0.34±.06; $M_{\theta\phi}$-0.34±.02; $M_{\theta r}$-0.06±.05; Best double couple: NP1: ϕ_s178.00000°,δ43.00000°,λ-74.00000°. NP2:ϕ_s336.00000°,δ49.00000°,λ-105.00000°. Principal axes: T 1.5350,Plg3.0000°,Azm76.0000°; N 0.0500,Plg11.0000°,Azm346.0000°; P -1.5880,Plg79.0000°,Azm180.0000° $M_0$1.56200×10^{17}

(410) Southern Mid-Atlantic Ridge

ISC	XI	13 22 45 02.5–.36	26.40S–.07	13.71W–.07	10	4.6b,4.4s	189	13-153
IDC	XI	13 22 45 01.8–.56	26.46S	13.70W	0	4.4s,4.2b	¶621402834	
NEIC	XI	13 22 45 02.0–.81	26.36S–.10	13.7W–.10	10–1	4.9b,4.2b		
GCMT	XI	13 22 45 06.2–.10	26.54S–.01	13.80W–.01	12	5.0W,4.2b		
GFZ	XI	13 22 45 08.5–.54	25S–16	14W–12	10	6.4b,6.1		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111132245A. Moment Tensor Solution. s75,c99; s144,c254; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.67±.07 $M_{\theta\theta}$0.19±.07; $M_{\phi\phi}$4.48±.06; $M_{r\theta}$0.78±.22; $M_{\theta\phi}$-0.77±.06; $M_{\theta r}$0.45±.21; Best double couple: NP1:ϕ_s341.00000°,δ44.00000°,λ-104.00000°. NP2:ϕ_s180.00000°,δ48.00000°,λ-77.00000°. Principal axes: T 4.6240,Plg2.0000°,Azm261.0000°; N 0.2020,Plg10.0000°,Azm351.0000°; P -4.8260,Plg80.0000°,Azm160.0000° $M_0$4.72500×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(706) Northern Sumatera

ISC	XI	14 00 43 26.9–1.1	3.40N–.03	96.43E–.03	28–10	3.6b	74	1-64
IDC	XI	14 00 43 20.2–1.7	3.08N	95.74E	0	3.6L,3.6b	¶621468627	
DJA	XI	14 00 43 27.0–.20	3N–1.0	96E–2.0	10	5.6b,5.1		

ISC Event type se.

(410) Southern Mid-Atlantic Ridge

ISC	XI	14 00 47 36.9–.29	26.57S–.06	13.73W–.06	10	4.8b,4.7s	495	18-153
NEIC	XI	14 00 47 25.7	26.58S	13.73W	12	5.4,4.7s	¶621402837	
MOS	XI	14 00 47 34.9–.95	26.61S	13.79W	10	5.2b,4.5s		
IDC	XI	14 00 47 35.4–.45	26.53S	13.79W	0	4.6s,4.4b		
NEIC	XI	14 00 47 36.9–.93	26.58S–.03	13.7W–.10	10–1	5.1b,4.4b		
NEIC	XI	14 00 47 36.9	26.58S	13.73W	10	5.1b,4.4b		
GFZ	XI	14 00 47 37.8	26.49S	13.87W	10	5.3W,4.4b		
GFZ	XI	14 00 47 37.8–.20	26S–5.0	14W–5.0	10	5.5b,5.0		
GCMT	XI	14 00 47 39.3–.10	26.57S–.01	13.78W–.01	12	5.3W,5.0		
BGR	XI	14 00 47 47.1	25.12S	12.41W	33	4.6b,5.0		

ISC Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.58 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$0.91 $M_{r\theta}$1.01 $M_{\theta\phi}$-0.18 $M_{\theta r}$-0.61 NP1:ϕ_s201.44000°,δ30.46000°,λ-26.07000°. NP2:ϕ_s314.30000°,δ77.13000°,λ-117.85000°. Principal axes: T 1.3309,Plg27.0000°,Azm66.0000°; N 0.1923,Plg27.0000°,Azm321.0000°; P -1.5232,Plg50.0000°,Azm193.0000° $M_0$1.44000×10^{17}

MOS Error ellipse: s-maj=12.7km s-min=6.6km az=66.9.

IDC Error ellipse: s-maj=18.6km s-min=12.9km az=105.0.

NEIC Event type se. Error ellipse: s-maj=16.0km s-min=4.5km az=266.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.00 $M_{\theta\theta}$0.15 $M_{\phi\phi}$0.85 $M_{r\theta}$0.00 $M_{\theta\phi}$-0.13 $M_{\theta r}$0.48 NP1: ϕ_s173.92450°,δ58.55052°,λ-85.86849°. NP2:ϕ_s346.04225°,δ31.69210°,λ-96.71855°. Principal axes: T 0.9846,Plg13.4581°,Azm260.9218°; N 0.1289,Plg3.5238°,Azm351.7662°; P -1.1135,Plg76.0713°,Azm96.1428° $M_0$1.05495×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111140047A. Moment Tensor Solution. s107,c164; s152,c296;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97±.01 $M_{\theta\theta}$0.05±.01; $M_{\phi\phi}$0.92±.01; $M_{r\theta}$0.15±.03; $M_{\theta\phi}$-0.22±.01; $M_{\theta r}$-0.13±.03; Best double couple: NP1: ϕ_s173.00000°,δ41.00000°,λ-80.00000°. NP2:ϕ_s340.00000°,δ50.00000°,λ-99.00000°. Principal axes: T 0.9840,Plg5.0000°,Azm76.0000°; N 0.0150,Plg7.0000°,Azm346.0000°; P -0.9990,Plg82.0000°,Azm201.0000° $M_0$0.99200×10^{17}

BGR Event type ke.

(410) Southern Mid-Atlantic Ridge

ISC	XI	14 06 56 43.6–.33	26.46S–.07	13.72W–.07	10	4.6b,4.1s	232	13-146
IDC	XI	14 06 56 42.2–.51	26.54S	13.74W	0	4.3b,4.3	¶621402890	
NEIC	XI	14 06 56 44.0–.90	26.4S–.10	13.7W–.10	10–1	4.8b,4.3		
GFZ	XI	14 06 56 44.1–.19	26S–4.0	14W–5.0	10	5.8b,5.4		
GCMT	XI	14 06 56 46.4–.20	26.62S–.03	13.83W–.02	13–0	4.9W,5.4		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111140656A. Moment Tensor Solution. s32,c34; s110,c145; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.58±.14 $M_{\theta\theta}$0.23±.08; $M_{\phi\phi}$2.34±.10; $M_{r\theta}$0.31±.24; $M_{\theta\phi}$-0.57±.06; $M_{\theta r}$0.37±.21; Best double couple: NP1:ϕ_s338.00000°,δ42.00000°,λ-102.00000°. NP2:ϕ_s174.00000°,δ49.00000°,λ-79.00000°. Principal axes: T 2.5010,Plg3.0000°,Azm256.0000°; N 0.1430,Plg8.0000°,Azm347.0000°; P -2.6510,Plg81.0000°,Azm144.0000° $M_0$2.57600×10^{16}

(353) Southern Iran

ISC	XI	14 12 07 04.0–.35	27.69N–.02	56.10E–.02	12–1	6.2s,6.0b	2609	0-167
BJI	XI	14 12 07 01.7	27.65N	56.05E	10	6.4s,6.3b	¶621403058	
MOS	XI	14 12 07 01.6–.99	27.65N	56.12E	10	6.2s,6.2b		
IDC	XI	14 12 07 02.0–.33	27.66N	56.11E	0	5.7b,5.7		
DSN	XI	14 12 07 02.3–1.6	27.85N	56.08E	10	6.1L,5.7		
ISC-P	XI	14 12 07 03	27.72N	56.07E	17–0	6.2,5.7		
NEIC	XI	14 12 07 03.6–1.5	27.72N–.06	56.07E–.08	9–1	6.0,6.0b		
NEIC	XI	14 12 07 03.5	27.72N	56.06E	7	6.0,6.0b		
IPGP	XI	14 12 07 03.0	27.72N	56.07E	10	6.0W,6.0b		
OMAN	XI	14 12 07 03.9–1.4	27.68N	56.04E	5–10	6.5,6.1L		
THR	XI	14 12 07 04.0–.00	27.67N	56.08E	14–5	6.3L,6.1L		
TEH	XI	14 12 07 04.4	27.57N	56.08E	20	6.2L,6.1L		
GFZ	XI	14 12 07 04.1	27.69N	56.09E	10	6.0W,6.1L		
GFZ	XI	14 12 07 04.6–.09	28N–2.0	56E–1.0	10	6.4b,6.1		
GCMT	XI	14 12 07 04.5–.10	27.57N–.01	55.98E–.01	17–0	6.1W,6.1		
PTWC	XI	14 12 07 07	27.60N	56.10E		6.4,6.1		
BGR	XI	14 12 07 20.2	27.78N	53.67E	33	5.6b,6.1		

ISC Event type ke.

MOS Error ellipse: s-maj=4.2km s-min=2.8km az=112.2. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s81.00000°,δ58.00000°,λ89.00000°. NP2: ϕ_s264.00000°,δ32.00000°,λ92.00000°. Principal axes: T Plg77.0000°,Azm347.0000°; N Plg1.0000°,Azm82.0000°; P Plg13.0000°,Azm172.0000°

IDC Error ellipse: s-maj=10.3km s-min=8.4km az=16.0.

DSN Error ellipse: s-maj=19.1km s-min=8.5km az=41.0.

ISC-P Moment Tensor Solution. s54 Moment tensor: Scale 10^{18}Nm; M_{rr}0.72±.16 $M_{\theta\theta}$-0.13±.12; $M_{\phi\phi}$0.56±.08; $M_{r\theta}$0.03±.12; $M_{\theta\phi}$0.23±.09; $M_{\theta r}$-0.12±.16; NP1:ϕ_s50.00000°,δ59.40000°,λ47.30000°. NP2:ϕ_s291.10000°,δ50.80000°,λ138.90000°. $M_0$2.09000×10^{18}

NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.4km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.97 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$-0.13 $M_{r\theta}$-0.64 $M_{\theta\phi}$0.00 $M_{\theta r}$-0.01 NP1:ϕ_s90.65000°,δ27.36000°,λ90.75000°. NP2:ϕ_s269.81000°,δ62.64000°,λ89.61000°. Principal axes: T 1.1754,Plg72.0000°,Azm179.0000°; N -0.1297,Plg0.0000°,Azm270.0000°; P -1.0457,Plg18.0000°,Azm0.0000° $M_0$1.12000×10^{18}

NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s97.00000°,δ34.00000°,λ95.00000°. NP2:ϕ_s271.00000°,δ56.00000°,λ87.00000°.

OMAN Error ellipse: s-maj=4.6km s-min=3.8km az=16.0.

THR Event type se. Error ellipse: s-maj=2.1km s-min=2.1km az=-1.0. Presumed earthquake.

TEH Event type se. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.10 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$0.07 $M_{r\theta}$-0.72 $M_{\theta\phi}$-0.02 $M_{\theta r}$0.08 NP1: ϕ_s84.99265°,δ28.94451°,λ82.80554°. NP2:ϕ_s273.20091°,δ61.30467°,λ93.96207°. Principal axes: T 1.3125,Plg73.3955°,Azm193.0454°; N 0.0598,Plg3.4748°,Azm91.2962°; P -1.3723,Plg16.2162°,Azm0.2843° $M_0$1.34342×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111141207A. Moment Tensor Solution. s163,c335; s163,c404;Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}1.44±.01 $M_{\theta\theta}$-1.41±.02; $M_{\phi\phi}$-0.03±.01; $M_{r\theta}$-0.53±.04; $M_{\theta\phi}$0.09±.01; $M_{\theta r}$-0.29±.04; Best double couple: NP1:ϕ_s105.00000°,δ36.00000°,λ108.00000°. NP2:ϕ_s262.00000°,δ56.00000°,λ77.00000°. Principal axes: T 1.5920,Plg75.0000°,Azm134.0000°; N -0.0890,Plg11.0000°,Azm270.0000°; P -1.5050,Plg10.0000°,Azm2.0000° $M_0$1.54800×10^{18}

BGR Event type ke.

(353) Southern Iran

ISC	XI	14 12 08 38.2–.34	27.66N–.02	56.19E–.02	12–1	6.4s,6.2b	2011	0-154
BJI	XI	14 12 08 35.9	27.65N	56.10E	10	6.5s,6.4b	¶621403060	
THR	XI	14 12 08 36.9–.00	27.57N	56.37E	15–6	6.4L,6.4b		
IDC	XI	14 12 08 36.3–.33	27.72N	56.21E	0	6.1b,6.1		
MOS	XI	14 12 08 36.3–1.1	27.67N	56.21E	10	6.5b,6.2s		
GFZ	XI	14 12 08 37.6	27.58N	56.21E	12	6.1W,6.2s		
GFZ	XI	14 12 08 37.6–.08	28N–2.0	56E–1.0	10	6.7b,6.5		
ISC-P	XI	14 12 08 38	27.73N	56.07E	15–0	6.6,6.5		
NEIC	XI	14 12 08 38.8	27.73N	56.07E	10	6.6,6.5		
TEH	XI	14 12 08 38.1	27.54N	56.17E	10	6.3L,6.5		
NEIC	XI	14 12 08 38.8–1.8	27.73N–.06	56.07E–.08	10–1	6.4,6.4		
DSN	XI	14 12 08 39.5–.17	27.59N	55.59E	10	5.7L,6.4		
GCMT	XI	14 12 08 39.6–.10	27.54N	56.03E	14–0	6.1W,6.4		
OMAN	XI	14 12 08 43.9–1.9	27.54N	57.57E	10	6.5L,6.4		
BGR	XI	14 12 08 47.8	27.12N	54.48E	33	6.0s,5.9b		

ISC Event type ke.

THR Event type se. Error ellipse: s-maj=3.8km s-min=3.8km az=-1.0. Presumed earthquake.

IDC Error ellipse: s-maj=9.6km s-min=6.8km az=21.0.

MOS Error ellipse: s-maj=4.6km s-min=3.0km az=113.4. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s86.00000°,δ11.00000°,λ34.00000°. NP2: ϕ_s322.00000°,δ84.00000°,λ99.00000°. Principal axes: T Plg50.0000°,Azm243.0000°; N Plg9.0000°,Azm141.0000°; P Plg38.0000°,Azm44.0000°

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.37 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$0.10 $M_{r\theta}$-0.98 $M_{\theta\phi}$-0.09 $M_{\theta r}$0.15 NP1: ϕ_s79.36724°,δ28.21831°,λ77.25492°. NP2:ϕ_s273.76390°,δ62.53656°,λ96.75142°. Principal axes: T 1.6976,Plg71.6542°,Azm199.0779°; N 0.0812,Plg5.9876°,Azm90.6389°; P -1.7787,Plg17.2753°,Azm358.7696° $M_0$1.73956×10^{18}

GFZ Error ellipse: s-maj=3.9km s-min=2.2km az=25.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC-P Moment Tensor Solution. s54 Moment tensor: Scale 10^{18}Nm; M_{rr}0.63±.15 $M_{\theta\theta}$-0.61±.18; $M_{\phi\phi}$-0.02±.19; $M_{r\theta}$0.17±.17; $M_{\theta\phi}$0.21±.15; $M_{\theta r}$0.21±.33; NP1:ϕ_s88.60000°,δ52.50000°,λ64.00000°. NP2:ϕ_s307.30000°,δ44.50000°,λ119.70000°. $M_0$9.55000×10^{18}

NEIC Event type se.

TEH Event type se. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.6km az=272.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.92 $M_{\theta\theta}$-0.92 $M_{\phi\phi}$-0.00 $M_{r\theta}$-3.90 $M_{\theta\phi}$-0.68 $M_{\theta r}$1.60 NP1:ϕ_s289.27000°,δ85.46000°,λ101.07000°. NP2:ϕ_s41.31000°,δ11.96000°,λ22.47000°. Principal axes: T 4.6188,Plg48.0000°,Azm211.0000°; N -0.5562,Plg11.0000°,Azm108.0000°; P -4.0625,Plg39.0000°,Azm9.0000° $M_0$4.37000×10^{18}

DSN Error ellipse: s-maj=18.4km s-min=2.9km az=256.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111141208A. Moment Tensor Solution. s145,c289; s163,c405;Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}1.40±.02 $M_{\theta\theta}$-1.67±.02; $M_{\phi\phi}$0.26±.01; $M_{r\theta}$-1.21±.05; $M_{\theta\phi}$-0.12±.01; $M_{\theta r}$0.21±.03; Best double couple: NP1:ϕ_s75.00000°,δ27.00000°,λ72.00000°. NP2:ϕ_s276.00000°,δ65.00000°,λ99.00000°. Principal axes: T 1.8540,Plg69.0000°,Azm204.0000°; N 0.2350,Plg8.0000°,Azm92.0000°; P -2.0900,Plg19.0000°,Azm359.0000° $M_0$1.97200×10^{18}

OMAN Error ellipse: s-maj=17.1km s-min=15.4km az=148.0.

BGR Event type ke.

(353) Southern Iran

ISC	XI	14 15 12 07.8–.65	27.60N–.03	56.26E–.03	12–4	4.4b	391	0-117
MOS	XI	14 15 12 05.2–.96	27.53N	56.19E	13	4.7b	¶621403072	
IDC	XI	14 15 12 05.4–.52	27.60N	56.20E	0	4.3b,4.3		
DSN	XI	14 15 12 06.2–1.2	27.84N	56.23E	10	4.5L,4.3		
THR	XI	14 15 12 07.8–.00	27.63N	56.14E	8–2	4.5L,4.3		
NEIC	XI	14 15 12 07.6–.93	27.66N–.07	56.12E–.09	10–1	4.5b,4.3		
GFZ	XI	14 15 12 08.1–.24	28N–4.0	56E–2.0	10	5.9,5.9b		
TEH	XI	14 15 12 08.0	27.59N	56.26E	14	4.3L,5.9b		
OMAN	XI	14 15 12 09.9–.83	27.54N	56.20E	10	4.4b,4.3L		

ISC Event type se.

MOS Error ellipse: s-maj=6.6km s-min=4.9km az=100.0.

IDC Error ellipse: s-maj=12.9km s-min=11.7km az=172.0.

DSN Error ellipse: s-maj=13.7km s-min=7.7km az=46.0.

THR Event type se. Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=13.1km s-min=12.1km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

TEH Event type se. Presumed earthquake.

OMAN Error ellipse: s-maj=7.2km s-min=6.1km az=27.0.

(353) Southern Iran

ISC	**XI**	**14 15 22 18.4–.57**	**27.55N–.02**	**56.15E–.03**	**9–3**	**4.5b,4.1s**	**516**	**0-117**
IDC	XI	14 15 22 15.8–.63	27.50N	56.12E	0	4.2b,4.2		**¶621403074**
MOS	XI	14 15 22 16.4–.88	27.49N	56.11E	13	4.7b,4.2		
THR	XI	14 15 22 18.4–.00	27.63N	56.15E	12–374	4.5L,4.2		
NEIC	XI	14 15 22 19.0–1.1	27.64N–.08	56.09E–.04	10–1	4.6b,4.2		
GFZ	XI	14 15 22 19.6–.27	28N–4.0	56E–2.0	10	5.6b,5.1		
TEH	XI	14 15 22 19.2	27.52N	56.13E	14	4.3L,5.1		
DSN	XI	14 15 22 20.7–.91	27.54N	55.96E	10	4.4L,5.1		
OMAN	XI	14 15 22 20.8–1.2	27.50N	56.07E	10	4.6L,4.4b		

ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=12.1km az=16.0.
MOS Error ellipse: s-maj=6.9km s-min=4.2km az=110.5.
THR Event type se. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=5.4km az=7.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.1km s-min=5.1km az=173.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=13.9km s-min=4.3km az=57.0.
OMAN Error ellipse: s-maj=11.2km s-min=5.2km az=21.0.

(186) Vanuatu Islands

ISC	**XI**	**14 20 23 41.7–.29**	**15.88S–.04**	**166.53E–.04**	**26**	**4.9b,4.1s**	**257**	**1-165**
BJI	XI	14 20 23 37.0	15.80S	167.04E	17	5.2b,5.0s		**¶621403086**
IDC	XI	14 20 23 38.0–.45	15.85S	166.43E	0	4.8L,4.5b		
NOU	XI	14 20 23 38.9	15.91S	166.47E	9	5.1b,4.5b		
GFZ	XI	14 20 23 39.8–.21	16S–3.0	167E–4.0	10	6.1b,5.7		
NEIC	XI	14 20 23 39.5–1.8	15.96S–.04	166.59E–.06	10–1	4.8b,5.7		
GCMT	XI	14 20 23 40.9–.20	15.94S–.02	166.50E–.02	23–0	5.0W,5.7		

ISC Event type se.
NOU Vanuatu Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111142023A. Moment Tensor Solution. s55,c71; s95,c124; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.22±.15 $M_{\theta\theta}$-1.79±.10; $M_{\phi\phi}$-1.43±.10; $M_{r\theta}$2.09±.15; $M_{\theta\theta}$1.57±.07; $M_{\theta r}$-0.75±.14; Best double couple: NP1:ϕ_s323.00000°,δ30.00000° ,λ110.00000°. NP2:ϕ_s120.00000°,δ62.00000°,λ79.00000°. Principal axes:
T 3.9830,Plg71.0000°,Azm6.0000°; N -0.1740,Plg10.0000°,Azm125.0000°
; P -3.8090,Plg17.0000°,Azm218.0000° $M_0$3.89600×10^{16}

(425) South Indian Ocean

ISC	**XI**	**14 21 58 56.7–.25**	**37.51S–.05**	**51.12E–.06**	**16**	**5.0b,4.7s**	**556**	**9-172**
BJI	XI	14 21 58 52.9	37.64S	51.07E	9	5.6b,5.1s		**¶621403196**
IDC	XI	14 21 58 54.3–.37	37.50S	51.19E	0	4.7b,4.7		
NEIC	XI	14 21 58 55.5–1.6	37.58S–.06	51.2E–.10	10–1	5.2b,5.1		
GFZ	XI	14 21 58 56.8–.19	38S–3.0	51E–4.0	10	5.5b,5.3		
GCMT	XI	14 21 58 58.3–.10	37.43S–.01	51.07E–.02	12	5.2W,5.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111142158A. Moment Tensor Solution. s64,c88; s117,c216; Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66±.01 $M_{\theta\theta}$0.68±.01; $M_{\phi\phi}$-0.02±.01; $M_{r\theta}$-0.21±.03; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$0.20±.04; Best double couple: NP1:ϕ_s281.00000°,δ36.00000° ,λ-108.00000°. NP2:ϕ_s122.00000°,δ56.00000°,λ-78.00000°. Principal axes:
T 0.8690,Plg10.0000°,Azm203.0000°; N -0.1410,Plg10.0000°,Azm295.0000°
; P -0.7290,Plg75.0000°,Azm69.0000° $M_0$0.79900×10^{17}

(694) Central East Pacific Rise

ISC	**XI**	**14 22 19 34.9–.53**	**9.50S–.09**	**110.0W–.10**	**10**	**4.5s,4.4b**	**87**	**18-151**
IDC	XI	14 22 19 33.6–.70	9.16S	110.79W	0	4.5s,3.9b		**¶621405031**
NEIC	XI	14 22 19 35.1–1.1	9.2S–.10	111.1W–.20	10–1	4.6b,3.9b		
GFZ	XI	14 22 19 36.4–.28	10S–3.0	110W–6.0	10	8.1,7.9b		
GCMT	XI	14 22 19 37.8–.10	9.10S–.01	109.76W–.01	12	5.2W,7.9b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111142219A. Moment Tensor Solution. s94,c145; s154,c270;Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.30±.11 $M_{\theta\theta}$-1.69±.11; $M_{\phi\phi}$1.38±.12; $M_{r\theta}$-0.33±.27; $M_{\theta\phi}$8.12±.08; $M_{\phi r}$0.95±.29; Best double couple: NP1:ϕ_s85.00000° ,δ83.00000°,λ-1.00000°. NP2:ϕ_s175.00000°,δ89.00000°,λ-173.00000°. Principal axes:
T 8.1440,Plg4.0000°,Azm309.0000°; N 0.3530,Plg83.0000°,Azm185.0000°
; P -8.5020,Plg6.0000°,Azm40.0000° $M_0$8.32300×10^{16}

(135) Near coast of central Chile

ISC	**XI**	**15 01 03 35.3–1.1**	**37.54S–.03**	**73.71W–.05**	**17–7**	**4.8b,4.0s**	**180**	**1-175**
SJA	XI	15 01 03 34.6–1.7	37.54S	73.76W	64–43	5.1W,4.0s		**¶621403208**
NEIC	XI	15 01 03 35.4	37.55S	73.76W	16	5.1W,4.0s		
NEIC	XI	15 01 03 35.6–1.9	37.56S–.03	73.76W–.08	15–3	4.9b,4.7		
GUC	XI	15 01 03 36.0–.52	37.52S	73.68W	25–5	4.6L,4.7		
GFZ	XI	15 01 03 38.3–.32	38S–2.0	74W–5.0	64–5	5.6b,5.1		
IDC	XI	15 01 03 43.8–2.6	37.42S	72.41W	89–22	4.1,4.0s		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.0km s-min=22.6km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=3.2km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.98 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$-4.59 $M_{r\theta}$-1.82 $M_{\theta\phi}$-2.81 $M_{\phi r}$-3.72 NP1:ϕ_s27.06000°,δ26.47000°,λ90.75000°. NP2:ϕ_s206.23000°,δ63.53000° ,λ89.63000°. Principal axes: T 6.3688,Plg71.0000°,Azm115.0000°; N 1.0175,Plg0.0000° ,Azm206.0000°; P -7.3863,Plg19.0000°,Azm297.0000° $M_0$6.93000×10^{15}
GUC Event type se. Error ellipse: s-maj=1.1km s-min=4.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=27.4km s-min=14.6km az=92.0.

(425) South Indian Ocean

ISC	**XI**	**15 04 23 30.5–.18**	**37.58S–.03**	**51.27E–.03**	**10**	**5.9s,5.5b**	**1609**	**9-174**
BJI	XI	15 04 23 27.9	37.67S	51.13E	12	6.1s,6.1b		**¶621403216**
IDC	XI	15 04 23 28.3–.32	37.60S	51.18E	0	5.7s,5.0b		
MOS	XI	15 04 23 29.1–1.0	37.54S	51.40E	10	5.7s,5.7b		
IPGP	XI	15 04 23 30.0	37.49S	51.27E	6	5.9W,5.7b		
NEIC	XI	15 04 23 30.5	37.51S	51.29E	10	5.9W,5.7b		
NEIC	XI	15 04 23 30.9	37.41S	51.04E	14	6.0,5.7b		
NEIC	XI	15 04 23 30.4	37.54S	51.26E	10	6.0,5.7b		
NEIC	XI	15 04 23 30.5–1.8	37.51S–.06	51.3E–.10	10–1	5.9,5.9		
GFZ	XI	15 04 23 31.7	37.49S	51.30E	10	6.0W,5.9		
PTWC	XI	15 04 23 31	37.60S	51.20E	10	6.1,5.9		
GFZ	XI	15 04 23 31.8–.15	38S–3.0	51E–3.0	10	6.2b,5.9		
GCMT	XI	15 04 23 33.9–.10	37.42S	51.23E	12	6.0W,5.9		

ISC Event type se.
IDC Error ellipse: s-maj=11.5km s-min=7.1km az=76.0.
MOS Error ellipse: s-maj=12.3km s-min=5.1km az=94.7.
IPGP Moment Tensor Solution. NP1:ϕ_s276.00000°,δ37.00000°,λ-81.00000°. NP2:ϕ_s84.00000° ,δ54.00000°,λ-97.00000°.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5$\hat{s}$8 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.39 $M_{\theta\theta}$1.31 $M_{\phi\phi}$0.08 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.02 $M_{\phi r}$-0.18 NP1:ϕ_s275.91000°,δ42.60000° ,λ-79.78000°. NP2:ϕ_s82.16000°,δ48.23000°,λ-99.26000°. Principal axes:
T 1.3147,Plg3.0000°,Azm179.0000°; N 0.1025,Plg7.0000°,Azm88.0000°
; P -1.4172,Plg83.0000°,Azm291.0000° $M_0$1.37000×10^{18}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.5km az=284.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-7.95 $M_{\theta\theta}$8.94 $M_{\phi\phi}$-0.99 $M_{r\theta}$1.33 $M_{\theta\phi}$0.24 $M_{\phi r}$-1.74 NP1:ϕ_s75.44000°,δ42.23000°,λ-109.92000°. NP2:ϕ_s281.51000°,δ50.81000° ,λ-72.82000°. Principal axes: T 9.0434,Plg4.0000°,Azm359.0000°; N -0.5800,Plg13.0000° ,Azm90.0000°; P -8.4634,Plg76.0000°,Azm251.0000° $M_0$8.77000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.13 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-0.04 $M_{r\theta}$0.23 $M_{\theta\phi}$0.04 $M_{\phi r}$-0.30 NP1: ϕ_s74.28760°,δ41.21667°,λ-111.58596°. NP2:ϕ_s282.03049°,δ52.21524°,λ-72.13803°. Principal axes: T 1.1906,Plg5.6620°,Azm359.4418°; N 0.0378,Plg14.0288°,Azm90.8613° ; P -1.2284,Plg74.8280°,Azm247.9964° $M_0$1.20993×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111150423A. Moment Tensor Solution. s147,c290; s166,c630;Duration: 2$\hat{s}$5 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.26±.01 $M_{\theta\theta}$1.27±.01; $M_{\phi\phi}$-0.01±.01; $M_{r\theta}$0.30±.02; $M_{\theta\phi}$0.00±.01; $M_{\phi r}$0.08±.02; Best double couple: NP1:ϕ_s94.00000°,δ39.00000°,λ-84.00000°. NP2:ϕ_s266.00000°,δ52.00000°,λ-94.00000°. Principal axes: T 1.3040,Plg7.0000°,Azm360.0000°; N -0.0130,Plg3.0000°,Azm269.0000° ; P -1.2990,Plg83.0000°,Azm152.0000° $M_0$1.30200×10^{18}

(425) South Indian Ocean

ISC	**XI**	**15 04 52 35.5–.29**	**37.54S–.06**	**51.37E–.07**	**10**	**4.7b**	**153**	**9-172**
IDC	XI	15 04 52 34.1–.50	37.59S	51.44E	0	4.8s,4.4L		**¶621403228**
GFZ	XI	15 04 52 36.0–.16	37S–3.0	51E–4.0	10	6.9,6.8		
NEIC	XI	15 04 52 36.1–1.7	37.62S–.08	51.4E–.10	10–1	4.7b,6.8		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(212) Bonin Islands region

ISC	**XI**	**15 05 38 46.8–1.2**	**28.98N–.04**	**142.26E–.06**	**20–5**	**4.8b,4.3s**	**475**	**2-151**
BJI	XI	15 05 38 40.1	28.71N	142.59E	10	4.9b,4.8b		**¶621403223**
IDC	XI	15 05 38 42.7–.47	28.94N	142.42E	0	4.3b,4.3		
MOS	XI	15 05 38 43.5–.89	28.95N	142.31E	12	5.0b,4.3		
NEIC	XI	15 05 38 45.7–1.7	29.00N–.05	142.21E–.10	10–1	4.9b,4.3		
GFZ	XI	15 05 38 45.4–.21	29N–2.0	142E–4.0	10	5.7b,5.2		
NIED	XI	15 05 38 48.0	28.92N	141.87E	48	4.8W,5.2		

ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=10.1km az=62.0.
MOS Error ellipse: s-maj=9.1km s-min=4.4km az=120.5.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.8km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.27 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-1.47 $M_{r\theta}$0.84 $M_{\theta\phi}$0.57 $M_{\phi r}$-1.22 NP1:ϕ_s1.00000°,δ25.00000°,λ120.00000°. NP2:ϕ_s149.00000° ,δ68.00000°,λ77.00000°. $M_0$2.09000×10^{16}

(425) South Indian Ocean

ISC	**XI**	**15 07 12 00.2–.26**	**37.52S–.05**	**51.01E–.06**	**16**	**5.1b,4.8s**	**421**	**9-172**
IDC	XI	15 07 11 57.5–.40	37.59S	51.16E	0	4.8s,4.6b		**¶621403224**
BJI	XI	15 07 11 57.5	37.63S	50.92E	12	5.4b,5.1b		
NEIC	XI	15 07 11 58.7–.95	37.47S–.08	51.0E–.10	10–1	5.3,5.1b		
GFZ	XI	15 07 12 00.5–.18	38S–4.0	51E–4.0	10	5.6b,5.1		
GCMT	XI	15 07 12 01.7–.10	37.44S–.01	51.10E–.02	12	5.2W,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111150711B. Moment Tensor Solution. s56,c72; s143,c253; Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87±.01 $M_{\theta\theta}$0.76±.01; $M_{\phi\phi}$0.11±.01; $M_{r\theta}$0.12±.04; $M_{\theta\phi}$0.16±.01; $M_{\phi r}$0.16±.06; Best double couple: NP1:ϕ_s84.00000°,δ40.00000° ,λ-79.00000°. NP2:ϕ_s249.00000°,δ51.00000°,λ-99.00000°. Principal axes:
T 0.8130,Plg5.0000°,Azm346.0000°; N 0.0920,Plg7.0000°,Azm255.0000°
; P -0.9050,Plg81.0000°,Azm112.0000° $M_0$0.85900×10^{17}

(425) South Indian Ocean

ISC	**XI**	**16 08 33 01.9–.40**	**9.00S–.04**	**88.13E–.04**	**16–2**	**5.2b,4.6s**	**865**	**9-157**
IDC	XI	16 08 32 59.2–.42	8.97S	88.05E	0	5.1L,4.8		**¶621409318**
MOS	XI	16 08 32 59.6–.90	8.93S	88.17E	14	5.4b,4.6s		
GFZ	XI	16 08 33 01.8–.14	9S–3.0	88E–2.0	10	5.7b,5.3		
NEIC	XI	16 08 33 01.6–1.9	8.95S–.09	88.15E–.07	10–1	5.3b,5.3		
GCMT	XI	16 08 33 04.9–.10	9.00S–.01	88.11E–.01	26–0	5.4W,5.3		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111160833A. Moment Tensor Solution. s114,c191; s137,c269;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.07±.02 $M_{\theta\theta}$-0.49±.01; $M_{\phi\phi}$0.42±.02; $M_{r\theta}$0.05±.03; $M_{\theta\phi}$-1.24±.01; $M_{\phi r}$-0.38±.04; Best double couple: NP1:ϕ_s99.00000° ,δ74.00000°,λ175.00000°. NP2:ϕ_s191.00000°,δ85.00000°,λ16.00000°. Principal axes:
T 1.3760,Plg15.0000°,Azm56.0000°; N 0.0040,Plg74.0000°,Azm209.0000°
; P -1.3800,Plg7.0000°,Azm324.0000° $M_0$1.37800×10^{17}

(153) South Sandwich Islands region

ISC	**XI**	**16 10 24 59.3–.32**	**58.73S–.06**	**23.56W–.07**	**10**	**4.6b,3.6s**	**132**	**8-153**
IDC	XI	16 10 24 58.3–.48	58.68S	23.44W	0	5.0L,4.5b		**¶621412330**
NEIC	XI	16 10 24 59.3–.89	58.68S–.07	23.6W–.20	10–1	4.6b,4.5b		
GFZ	XI	16 10 25 00.6–.22	59S–4.0	23W–5.0	10	5.6b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(665) Yellow Sea

ISC	**XI**	**17 05 54 30.6–.65**	**33.61N–.03**	**121.14E–.03**	**15–3**	**5.0b,4.6s**	**750**	**2-153**
IDC	XI	17 05 54 27.7–.44	33.57N	121.23E	0	4.8b,4.7		**¶621413521**
MOS	XI	17 05 54 27.5–.88	33.51N	121.19E	10	5.2b,5.1s		
BJI	XI	17 05 54 28.5	33.50N	121.19E	17	5.2L,5.1s		
NEIC	XI	17 05 54 29.8–1.4	33.53N–.06	121.18E–.07	10–1	5.0b,5.1s		
GFZ	XI	17 05 54 30.2	33.57N	121.16E	16	5.0W,5.1s		
GFZ	XI	17 05 54 30.2–.12	34N–2.0	121E–3.0	10	5.8L,5.6b		
NEIC	XI	17 05 54 30.1	33.55N	121.14E	10	5.8L,5.6b		
GCMT	XI	17 05 54 31.0–.10	33.52N–.01	121.11E–.01	13–0	5.0W,5.6b		
KEA	XI	17 05 54 37.0	33.43N	121.56E	18	5.1L,5.6b		
NEIC	XI	17 05 54 38	33.55N	121.14E	12	5.0,5.6b		
BGR	XI	17 05 54 43.4	34.71N	119.97E	33	5.0b,5.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=8.8km az=4.0.
MOS Error ellipse: s-maj=5.7km s-min=3.8km az=116.4.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.6km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.79 $M_{\theta\theta}$0.67 $M_{\phi\phi}$-2.46 $M_{r\theta}$1.22 $M_{\theta\phi}$3.47 $M_{\phi r}$0.37 NP1: ϕ_s107.37221°,δ69.87848°,λ26.66907°. NP2:ϕ_s7.56900°,δ65.07434°,λ157.70679°. Principal axes: T 3.7036,Plg32.7693°,Azm328.6541°; N 1.0174,Plg57.0423°,Azm141.7800° ; P -4.7210,Plg3.1386°,Azm236.6314° $M_0$4.30346×10^{16}
GFZ Error ellipse: s-maj=5.5km s-min=4.2km az=72.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111170554A. Moment Tensor Solution. s60,c77; s124,c194; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.50±.09 $M_{\theta\theta}$0.56±.08; $M_{\phi\phi}$-2.06±.09; $M_{r\theta}$1.45±.23; $M_{\theta\phi}$4.03±.08; $M_{\phi r}$0.72±.19; Best double couple: NP1:ϕ_s5.00000°,δ68.00000° ,λ160.00000°. NP2:ϕ_s103.00000°,δ72.00000°,λ23.00000°. Principal axes:
T 4.3740,Plg29.0000°,Azm325.0000°; N 0.6250,Plg61.0000°,Azm139.0000°
; P -5.0000,Plg3.0000°,Azm234.0000° $M_0$4.68700×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1$\hat{s}$8 Moment tensor: Scale 10^{16}Nm; M_{rr}1.83 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-2.22 $M_{r\theta}$2.15 $M_{\theta\phi}$3.56 $M_{\phi r}$0.53 NP1:ϕ_s3.66000°,δ57.99000°,λ155.90000°.

NP2:ϕ_s107.00000°,δ69.74000°,λ34.41000°. Principal axes: T 4.5077,Plg38.0000° ,Azm329.0000°; N 0.3005,Plg51.0000°,Azm134.0000°; P -4.8081,Plg7.0000°,Azm233.0000° $M_0$4.67000×10^{16}

BGR Event type ke.

(366) Turkey

ISC	**XI**	**17 12 57 19.6–.78**	**40.81N–.02**	**31.03E–.01**	**12–5**	**3.8b**	**274**	**0-62**
IDC	XI	17 12 57 18.1–.90	40.73N	30.93E	0	3.9L,3.8		**¶621414047**
MCSM	XI	17 12 57 18.3–1.4	41N–2.0	31E–3.0	10–12	5.7b,5.2		
AFAD	XI	17 12 57 18.9	40.80N	31.04E	7–2	4.3W,5.2		
ISK	XI	17 12 57 18.9	40.81N	31.03E	6–0	4.3L,5.2		
MED_R	XI	17 12 57 19.0	40.82N	31.04E	19	4.2W,5.2		
GFZ	XI	17 12 57 21.0–.27	41N–2.0	31E–3.0	10	5.0b,4.5		
NAO	XI	17 12 57 23.1	40.72N	30.92E	10	4.1b,4.5		
CFUSG	XI	17 12 57 24.3	41.00N	31.06E	22	3.6s,3.5b		

ISC Event type ke.

IDC Error ellipse: s-maj=18.7km s-min=9.3km az=34.0.

AFAD Event type se. Presumed earthquake.

ISK Event type ke.

MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}1.44±.51 $M_{\theta\theta}$-0.94±.31; $M_{\phi\phi}$0.00±.28; $M_{r\theta}$-1.17±.32; $M_{\theta\phi}$-2.16±.23; $M_{\phi r}$0.72±.41; NP1: ϕ_s12.00000°,δ55.00000°,λ32.00000°. NP2:ϕ_s263.00000°,δ64.00000°,λ141.00000°. Principal axes: T 2.7800,Plg45.0000°,Azm224.0000°; N 0.1500,Plg44.0000°,Azm55.0000° ; P -2.9300,Plg5.0000°,Azm320.0000° $M_0$2.85000×10^{15}

GFZ Error ellipse: s-maj=6.3km s-min=4.8km az=67.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NAO Event type se. Presumed earthquake.

(366) Turkey

ISC	**XI**	**17 18 35 42.8–.73**	**40.82N–.02**	**31.04E–.01**	**9–4**	**3.5b**	**285**	**0-37**
ISK	XI	17 18 35 42.0	40.83N	31.03E	3–0	3.8L		**¶621494223**
IDC	XI	17 18 35 42.4–2.2	40.77N	30.98E	0	3.7,3.6L		
MCSM	XI	17 18 35 42.2–1.6	41N–4.0	31E–3.0	11–15	5.6b,5.1		
AFAD	XI	17 18 35 42.5	40.80N	31.04E	11–1	3.9W,5.1		
CFUSG	XI	17 18 35 49.1	41.07N	31.13E	24	3.6s,3.5		

ISC Event type ke.

ISK Event type ke.

IDC Error ellipse: s-maj=41.4km s-min=10.6km az=39.0.

AFAD Event type se. Presumed earthquake.

(184) Santa Cruz Islands

ISC	**XI**	**17 23 46 50.5–.32**	**10.61S–.04**	**165.17E–.04**	**46**	**4.7b,3.8s**	**241**	**3-164**
NEIC	XI	17 23 46 49.4–1.2	10.65S–.08	165.22E–.08	35–1	5.0b,3.8s		**¶621414535**
BJI	XI	17 23 46 49.2	10.50S	165.20E	33	4.7b,3.8s		
IDC	XI	17 23 46 51.3–2.5	10.66S	165.11E	52–23	4.9L,4.3		
NOU	XI	17 23 46 52.2	10.65S	165.14E	64	5.5b,4.3		
GFZ	XI	17 23 46 53.0–.22	11S–3.0	165E–4.0	75	6.2b,5.8		
GCMT	XI	17 23 46 53.0–.20	10.59S–.02	165.01E–.01	53–1	5.0W,5.8		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU Santa Cruz Islands.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111172346A. Moment Tensor Solution. s58,c79; s86,c112; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.17±.14 $M_{\theta\theta}$3.64±.12; $M_{\phi\phi}$-3.81±.11; $M_{r\theta}$-1.08±.11; $M_{\theta\phi}$1.34±.11; $M_{\phi r}$0.55±.12; Best double couple: NP1:ϕ_s215.00000°,δ73.00000° ,λ177.00000°. NP2:ϕ_s306.00000°,δ87.00000°,λ17.00000°. Principal axes: T 4.1160,Plg14.0000°,Azm171.0000°; N 0.0550,Plg73.0000°,Azm315.0000° ; P -4.1690,Plg10.0000°,Azm79.0000° $M_0$4.14300×10^{16}

(7) Andreanof Islands

ISC	**XI**	**18 09 50 36.9–.27**	**51.37N–.04**	**178.34W–.02**	**49–1**	**5.2b,4.2s**	**1066**	**0-151**
BJI	XI	18 09 50 33.6	51.55N	178.62W	30	5.4b,5.1b		**¶621414838**
GFZ	XI	18 09 50 35.5–.19	52N–3.0	178W–2.0	30–1	5.8,5.6		
MOS	XI	18 09 50 35.5–.96	51.46N	178.29W	50	5.2b,4.2s		
AEIC	XI	18 09 50 36.3–2.8	51.27N–.06	178.31W–.06	30–3	5.2b,4.2s		
NEIC	XI	18 09 50 37.2–1.9	51.37N–.06	178.31W–.07	48–4	5.3L,5.2b		
IDC	XI	18 09 50 37.3–1.6	51.54N	178.35W	49–13	5.1L,4.9		
NEIC	XI	18 09 50 37.2	51.38N	178.31W	48	5.1L,4.9		
GCMT	XI	18 09 50 38.9–.20	51.32N–.02	178.18W–.02	47–1	5.0W,4.9		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

AEIC Event type se. hypocenter. manual.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.69 $M_{\theta\theta}$-1.52 $M_{\phi\phi}$-0.18 $M_{r\theta}$1.50 $M_{\theta\phi}$0.06 $M_{\phi r}$1.36 NP1:ϕ_s61.02000°,δ71.67000°,λ73.57000°. NP2:ϕ_s284.18000°,δ24.42000° ,λ130.49000°. Principal axes: T 2.8459,Plg60.0000°,Azm307.0000°; N -0.6190,Plg16.0000° ,Azm66.0000°; P -2.2269,Plg25.0000°,Azm164.0000° $M_0$2.59000×10^{16}

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111180950A. Moment Tensor Solution. s72,c99; s106,c166; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.33±.15 $M_{\theta\theta}$-3.85±.11; $M_{\phi\phi}$0.52±.11; $M_{r\theta}$1.29±.09; $M_{\theta\phi}$-1.88±.07; $M_{\phi r}$1.56±.07; Best double couple: NP1:ϕ_s270.00000°,δ37.00000° ,λ122.00000°. NP2:ϕ_s52.00000°,δ60.00000°,λ68.00000°. Principal axes: T 4.0510,Plg68.0000°,Azm279.0000°; N 0.8800,Plg18.0000°,Azm63.0000° ; P -4.9260,Plg12.0000°,Azm158.0000° $M_0$4.48800×10^{16}

(190) New Ireland region

ISC	**XI**	**18 14 08 05.2–.24**	**5.32S–.02**	**153.71E–.03**	**48–1**	**6.4s,6.2b**	**2262**	**2-165**
BJI	XI	18 14 08 02.6	5.35S	153.71E	40	6.5b,6.2s		**¶621416061**
MOS	XI	18 14 08 03.0–1.1	5.20S	153.64E	36	6.3b,6.0s		
ISC-P	XI	18 14 08 04	5.31S	153.71E	32–0	6.7,6.0s		
NEIC	XI	18 14 08 04.8	5.31S	153.71E	34	6.7,6.0s		
NEIC	XI	18 14 08 04.8–2.3	5.31S–.07	153.71E–.06	34–1	6.5,6.3		
NEIC	XI	18 14 08 04.6	5.31S	153.70E	32	6.5,6.3		
GFZ	XI	18 14 08 05.6	5.30S	153.69E	44	6.5W,6.3		
IPGP	XI	18 14 08 05.0	5.32S	153.67E	38	6.6W,6.3		
GFZ	XI	18 14 08 05.6–.08	5S–2.0	154E–2.0	44	6.9L,6.6b		
IDC	XI	18 14 08 06.3–1.1	5.31S	153.69E	62–9	5.9,5.9s		
NEIC	XI	18 14 08 06.6	5.35S	153.67E	47	5.9,5.9s		
PTWC	XI	18 14 08 08	5.40S	153.70E	65	6.5,5.9s		
DJA	XI	18 14 08 09.1–.40	5S–2.0	154E–2.0	76–4	6.6,6.5b		
GCMT	XI	18 14 08 10.6–.00	5.38S	153.63E	48–0	6.5W,6.5b		
NEIC	XI	18 14 08 17.5	5.35S	153.57E	40	6.2,6.5b		
NEIC	XI	18 14 08 19.2	5.28S	153.10E	49	6.5,6.5b		

ISC Event type se.

MOS Error ellipse: s-maj=6.9km s-min=4.5km az=113.6.

ISC-P Moment Tensor Solution. s40 Moment tensor: Scale 10^{19}Nm; M_{rr}0.61±.17 $M_{\theta\theta}$-0.60±.17; $M_{\phi\phi}$-0.00±.13; $M_{r\theta}$-0.07±.09; $M_{\theta\phi}$-0.01±.21; $M_{\phi r}$0.36±.20; NP1:ϕ_s289.70000°,δ47.50000° ,λ82.60000°. NP2:ϕ_s120.60000°,δ43.00000°,λ98.00000°. $M_0$1.30000×10^{19}

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.6km az=29.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}3.75 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-2.01 $M_{r\theta}$0.39 $M_{\theta\phi}$1.01 $M_{\phi r}$0.20 NP1:ϕ_s324.01000°,δ44.33000°,λ97.53000°. NP2:ϕ_s133.53000°,δ46.15000° ,λ82.70000°. Principal axes: T 3.7896,Plg85.0000°,Azm329.0000°; N -0.8959,Plg5.0000° ,Azm139.0000°; P -2.8937,Plg1.0000°,Azm229.0000° $M_0$3.43000×10^{18}

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}6.31 $M_{\theta\theta}$-2.71 $M_{\phi\phi}$-3.60 $M_{r\theta}$-0.72 $M_{\theta\phi}$3.36 $M_{\phi r}$0.55 NP1: ϕ_s140.44781°,δ41.08230°,λ92.51996°. NP2:ϕ_s317.10628°,δ48.96599°,λ87.80485°. Principal axes: T 6.3797,Plg85.7220°,Azm205.8166°; N 0.2281,Plg1.6557°,Azm318.5478° ; P -6.6078,Plg3.9435°,Azm48.6620° $M_0$6.49676×10^{18}

IPGP Moment Tensor Solution. NP1:ϕ_s136.00000°,δ40.00000°,λ86.00000°. NP2:ϕ_s321.00000° ,δ50.00000°,λ93.00000°.

GFZ Error ellipse: s-maj=3.7km s-min=3.5km az=43.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC Error ellipse: s-maj=10.2km s-min=8.4km az=73.0.

NEIC Event type se.

PTWC NEW IRELAND REGION, PAPUA NEW GUINEA.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111181408A. Moment Tensor Solution. s174,c432; s173,c734;Duration: 4s3 Moment tensor: Scale 10^{18}Nm; M_{rr}6.58±.03 $M_{\theta\theta}$-2.66±.02; $M_{\phi\phi}$-3.92±.02; $M_{r\theta}$-0.34±.02; $M_{\theta\phi}$3.67±.01; $M_{\phi r}$1.19±.02; Best double couple: NP1:ϕ_s135.00000°,δ40.00000°,λ83.00000°. NP2:ϕ_s324.00000°,δ50.00000°,λ96.00000°. Principal axes: T 6.7140,Plg83.0000°,Azm274.0000°; N 0.3930,Plg5.0000°,Azm141.0000° ; P -7.1070,Plg5.0000°,Azm50.0000° $M_0$6.91000×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 6s3 Moment tensor: Scale 10^{18}Nm; M_{rr}2.46 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-1.60 $M_{r\theta}$0.05 $M_{\theta\phi}$0.94 $M_{\phi r}$0.64 NP1:ϕ_s138.08000°,δ39.49000° ,λ77.57000°. NP2:ϕ_s334.02000°,δ51.61000°,λ100.06000°. Principal axes: T 2.5686,Plg80.0000°,Azm289.0000°; N -0.2792,Plg8.0000°,Azm148.0000° ; P -2.2894,Plg6.0000°,Azm57.0000° $M_0$2.44000×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 10s3 Moment tensor: Scale 10^{18}Nm; M_{rr}7.99 $M_{\theta\theta}$-3.28 $M_{\phi\phi}$-4.71 $M_{r\theta}$-0.61 $M_{\theta\phi}$3.89 $M_{\phi r}$0.75 NP1:ϕ_s320.30000°,δ48.45000° ,λ90.10000°. NP2:ϕ_s140.15000°,δ41.55000°,λ89.89000°. Principal axes: T 8.0489,Plg87.0000°,Azm231.0000°; N -0.0439,Plg0.0000°,Azm140.0000° ; P -8.0050,Plg3.0000°,Azm50.0000° $M_0$8.03000×10^{18}

(71) Near coast of Guatemala

ISC	**XI**	**18 16 56 56.9–.32**	**13.50N–.02**	**90.90W–.02**	**31–2**	**5.4s,5.3b**	**1341**	**1-163**
IDC	XI	18 16 56 52.5–.39	13.73N	90.47W	0	5.4L,5.3s		**¶621416071**
NEIC	XI	18 16 56 56.8–2.7	13.57N–.08	90.78W–.07	28–3	5.7,5.4		
NEIC	XI	18 16 56 56.6	13.49N	90.83W	28	5.7,5.4		
GCG	XI	18 16 56 56.6–1.8	13.50N	91.03W	20–8	5.7L,5.4		
CATAC	XI	18 16 56 56.8–.22	13N–2.0	91W–1.0	10	5.9b,5.9b		
MOS	XI	18 16 56 57.3–1.2	13.84N	90.57W	33	5.4s,5.3b		
SNET	XI	18 16 56 57.4–.44	14N–2.0	91W–2.0	11–3	5.8,5.7		
PTWC	XI	18 16 56 57	13.60N	91.00W	10	5.7,5.7		
NEIC	XI	18 16 56 57.3	13.59N	90.79W	30	5.7,5.7		
GFZ	XI	18 16 56 58.9	13.58N	90.84W	28	5.8W,5.7		
GFZ	XI	18 16 56 58.9–.19	14N–2.0	91W–2.0	36–1	5.9L,5.8		
GCMT	XI	18 16 57 01.3–.10	13.42N–.01	91.23W–.01	32–0	5.9W,5.8		
NEIC	XI	18 16 57 08.1	13.59N	90.72W	30	5.8,5.8		

ISC Event type se.

IDC Error ellipse: s-maj=17.8km s-min=9.8km az=49.0.

NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.5km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.24 $M_{\theta\theta}$-2.74 $M_{\phi\phi}$-1.50 $M_{r\theta}$0.96 $M_{\theta\phi}$1.97 $M_{\phi r}$-0.88 NP1:ϕ_s304.49000°,δ36.51000°,λ87.12000°. NP2:ϕ_s128.07000°,δ53.55000° ,λ92.13000°. Principal axes: T 4.4365,Plg81.0000°,Azm48.0000°; N -0.0548,Plg2.0000° ,Azm307.0000°; P -4.3817,Plg9.0000°,Azm217.0000° $M_0$4.41000×10^{17}

NEIC Event type se.

GCG Event type se. Error ellipse: s-maj=11.2km s-min=5.8km az=-1.0. Presumed earthquake.

CATAC Event type se. Error ellipse: s-maj=4.4km s-min=1.8km az=26.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.45 $M_{\theta\theta}$-3.65 $M_{\phi\phi}$-0.79 $M_{r\theta}$1.81 $M_{\theta\phi}$1.65 $M_{\phi r}$-1.01 NP1:ϕ_s116.52545° ,δ57.55791°,λ92.10220°. NP2:ϕ_s292.61104°,δ32.50270°,λ86.69723°. Principal axes: T 4.9103,Plg77.3367°,Azm33.3206°; N -0.0433,Plg1.7740°,Azm295.3974° ; P -4.8670,Plg12.5343°,Azm205.0028° $M_0$4.88883×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.72 $M_{\theta\theta}$-3.87 $M_{\phi\phi}$-0.85 $M_{r\theta}$1.94 $M_{\theta\phi}$1.95 $M_{\phi r}$-1.01 NP1: ϕ_s116.68399°,δ57.27469°,λ90.61192°. NP2:ϕ_s295.55219°,δ32.73039°,λ89.04787°. Principal axes: T 5.1966,Plg77.7162°,Azm28.7181°; N 0.1108,Plg0.5148°,Azm296.3532° ; P -5.3074,Plg12.2727°,Azm206.2412° $M_0$5.25289×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.24 $M_{\theta\theta}$-3.32 $M_{\phi\phi}$-0.93 $M_{r\theta}$1.53 $M_{\theta\phi}$1.76 $M_{\phi r}$-0.64 NP1: ϕ_s116.01354°,δ55.63969°,λ87.86905°. NP2:ϕ_s299.78546°,δ34.41822°,λ93.11303°. Principal axes: T 4.5586,Plg79.2358°,Azm17.9207°; N 0.0010,Plg1.7590°,Azm117.2166° ; P -4.5595,Plg10.6162°,Azm207.5464° $M_0$4.55905×10^{17}

MOS Error ellipse: s-maj=9.7km s-min=5.3km az=109.2.

SNET Error ellipse: s-maj=5.6km s-min=2.5km az=22.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.38 $M_{\theta\theta}$-3.73 $M_{\phi\phi}$-1.64 $M_{r\theta}$4.58 $M_{\theta\phi}$2.05 $M_{\phi r}$-2.97 NP1: ϕ_s122.54517°,δ68.23952°,λ90.72450°. NP2:ϕ_s300.59155°,δ21.77195°,λ88.18564°. Principal axes: T 7.7203,Plg66.7529°,Azm33.8432°; N -0.3881,Plg0.6729°,Azm302.2766° ; P -7.3322,Plg23.2362°,Azm211.9877° $M_0$7.53375×10^{17}

GFZ Error ellipse: s-maj=5.6km s-min=3.1km az=60.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111181656A. Moment Tensor Solution. s147,c281; s161,c453;Duration: 2s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.68±.01 $M_{\theta\theta}$-0.51±.01; $M_{\phi\phi}$-0.16±.01; $M_{r\theta}$0.30±.01; $M_{\theta\phi}$0.28±.00; $M_{\phi r}$-0.29±.01; Best double couple: NP1:ϕ_s292.00000°,δ30.00000°,λ77.00000°. NP2:ϕ_s126.00000°,δ61.00000°,λ97.00000°. Principal axes: T 0.8030,Plg73.0000°,Azm54.0000°; N -0.0230,Plg6.0000°,Azm303.0000° ; P -0.7800,Plg16.0000°,Azm211.0000° $M_0$0.79100×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 4s2 Moment tensor: Scale 10^{17}Nm; M_{rr}6.22 $M_{\theta\theta}$-4.90 $M_{\phi\phi}$-1.32 $M_{r\theta}$1.98 $M_{\theta\phi}$2.97 $M_{\phi r}$0.00 NP1:ϕ_s308.33000°,δ38.15000° ,λ103.96000°. NP2:ϕ_s110.79000°,δ53.17000°,λ79.27000°. Principal axes: T 6.5999,Plg79.0000°,Azm339.0000°; N 0.2049,Plg9.0000°,Azm117.0000° ; P -6.8048,Plg8.0000°,Azm208.0000° $M_0$6.70000×10^{17}

(71) Near coast of Guatemala

ISC	**XI**	**18 17 23 49.3–.74**	**13.47N–.05**	**90.97W–.04**	**46–6**	**4.5b**	**412**	**1-147**
CATAC	XI	18 17 23 46.5–.68	13N–4.0	91W–2.0	2–3	5.0,5.0		**¶635692108**
GFZ	XI	18 17 23 48.5–.36	13N–5.0	91W–4.0	30–2	7.4,7.4b		
GCG	XI	18 17 23 49.9–2.1	13.59N	91.07W	45–79	4.7L,4.2		
NEIC	XI	18 17 23 51.9–2.4	13.57N–.08	90.80W–.07	61–5	4.5b,4.2		
SNET	XI	18 17 23 52.0	14N–2.0	91W–2.0	12–3	4.8,4.8		
IDC	XI	18 17 23 54.5–2.5	13.68N	90.58W	84–21	4.3,4.0b		

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=9.8km s-min=3.6km az=21.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-0.49 $M_{r\theta}$0.84 $M_{\theta\phi}$0.44 $M_{\phi r}$-0.29 NP1:ϕ_s118.33705° ,δ66.62092°,λ77.99322°. NP2:ϕ_s326.52708°,δ26.12720°,λ115.69709°. Principal axes: T 1.3740,Plg66.2687°,Azm6.8983°; N -0.1315,Plg11.0081°,Azm123.1611° ; P -1.2425,Plg20.7484°,Azm217.3872° $M_0$1.31316×10^{16}

GFZ Error ellipse: s-maj=12.4km s-min=5.3km az=35.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCG Event type se. Error ellipse: s-maj=18.8km s-min=7.2km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.0km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

IDC Error ellipse: s-maj=25.0km s-min=11.2km az=55.0.

(71) Near coast of Guatemala

ISC	**XI**	**18 17 26 52.5–.82**	**13.52N–.04**	**90.97W–.03**	**56–7**	**4.7b**	**462**	**1-147**
CATAC	XI	18 17 26 49.6–.36	14N–2.0	91W–1.0	10–2	5.6b,5.2b		**¶621416073**
GCG	XI	18 17 26 50.5–1.7	13.48N	91.02W	50–56	4.8L,4.6		
SNET	XI	18 17 26 53.3–.64	14N–4.0	91W–2.0	25–6	4.8,4.8		
NEIC	XI	18 17 26 54.6–1.7	13.69N–.07	90.74W–.02	63–6	4.7b,4.8		
IDC	XI	18 17 26 57.3–2.7	13.72N	90.62W	91–22	4.4,4.1b		

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=5.0km s-min=2.6km az=23.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.73 $M_{\theta\theta}$-1.61 $M_{\phi\phi}$-1.12 $M_{r\theta}$7.40 $M_{\theta\phi}$4.74 $M_{\phi r}$-2.75 NP1:ϕ_s107.74606° ,δ78.70471°,λ67.51039°. NP2:ϕ_s352.42703°,δ25.03456°,λ152.42826°. Principal axes: T 8.3250,Plg51.1850°,Azm352.1820°; N 2.0401,Plg22.0309°,Azm112.3819° ; P -10.3651,Plg30.1442°,Azm215.9728° $M_0$9.51063×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.53 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$0.06 $M_{r\theta}$0.83 $M_{\theta\phi}$0.10 $M_{\phi r}$-0.36 NP1: ϕ_s111.57903°,δ74.28086°,λ98.09035°. NP2:ϕ_s263.89361°,δ17.63214°,λ63.43322°. Principal axes: T 1.0513,Plg59.9351°,Azm33.0364°; N 0.0440,Plg7.7859°,Azm289.3736° ; P -1.0953,Plg28.8368°,Azm195.0561° $M_0$1.07395×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.72 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$-0.25 $M_{r\theta}$1.32 $M_{\theta\phi}$0.56 $M_{\phi r}$-0.80 NP1: ϕ_s117.93923°,δ66.15220°,λ95.29472°. NP2:ϕ_s285.02910°,δ24.39493°,λ78.20872°. Principal axes: T 2.3238,Plg68.4139°,Azm38.1553°; N -0.0577,Plg4.8415°,Azm295.7934° ; P -2.2661,Plg20.9828°,Azm203.9318° $M_0$2.29551×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.89 $M_{\theta\theta}$-3.28 $M_{\phi\phi}$-0.61 $M_{r\theta}$7.17 $M_{\theta\phi}$4.07 $M_{\phi r}$-2.70 NP1:

ϕ_s110.37756°,δ74.33562°,λ76.74366°. NP2:ϕ_s331.48334°,δ20.41293°,λ129.27428°.
Principal axes: T 8.3262,Plg58.6079°,Azm2.2409°; N 1.8730,Plg12.7555°,Azm114.0172°
; P -10.1991,Plg28.1501°,Azm210.9744° $M_0$9.40361×10^{15} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$0.09 $M_{r\theta}$0.80 $M_{\theta\phi}$0.17 $M_{\phi r}$-0.36 NP1:
ϕ_s111.66676°,δ70.73105°,λ98.48315°. NP2:ϕ_s267.34537°,δ20.98853°,λ67.12124°.
Principal axes: T 1.0866,Plg63.3214°,Azm35.1009°; N 0.0913,Plg8.0047°,Azm288.8489°
; P -1.1779,Plg25.2675°,Azm195.0431° $M_0$1.13505×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}3.89 $M_{\theta\theta}$-3.28 $M_{\phi\phi}$-0.61 $M_{r\theta}$7.17 $M_{\theta\phi}$4.07 $M_{\phi r}$-2.70 NP1:
ϕ_s110.37756°,δ74.33562°,λ76.74366°. NP2:ϕ_s331.48334°,δ20.41293°,λ129.27428°.
Principal axes: T 8.3262,Plg58.6079°,Azm2.2409°; N 1.8730,Plg12.7555°,Azm114.0172°
; P -10.1991,Plg28.1501°,Azm210.9744° $M_0$9.40361×10^{15} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$0.09 $M_{r\theta}$0.80 $M_{\theta\phi}$0.17 $M_{\phi r}$-0.36 NP1:
ϕ_s111.66676°,δ70.73105°,λ98.48315°. NP2:ϕ_s267.34537°,δ20.98853°,λ67.12124°.
Principal axes: T 1.0866,Plg63.3214°,Azm35.1009°; N 0.0913,Plg8.0047°,Azm288.8489°
; P -1.1779,Plg25.2675°,Azm195.0431° $M_0$1.13505×10^{16}

GCG Event type se. Error ellipse: s-maj=14.7km s-min=8.0km az=-1.0. Presumed earthquake.
SNET Error ellipse: s-maj=8.4km s-min=3.4km az=16.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=1.5km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.6km s-min=12.1km az=60.0.

(239) Southeast of Ryukyu Islands

ISC	XI	18 17 54 07.7–.59	26.53N–.03	130.02E–.03	19–2	4.9b,4.5s	480 1-125
IDC	XI	18 17 54 04.7–.56	26.53N	130.00E	0	4.4b,4.4	¶621416074
BJI	XI	18 17 54 04.4	26.50N	129.92E	7	4.7b,4.5s	
MOS	XI	18 17 54 05.5–.94	26.55N	129.94E	16	5.0b,4.5s	
GFZ	XI	18 17 54 06.8–.26	26N–5.0	130E–4.0	10	5.8b,5.4	
NEIC	XI	18 17 54 06.3–1.8	26.52N–.06	130.01E–.05	10–1	5.0b,5.4	
NIED	XI	18 17 54 07.0	26.55N	129.98E	46	4.5W,5.4	
JMA	XI	18 17 54 07.0–.08	26.6N–.60	130.0E–.50	46	4.5,4.3	

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-6.32 $M_{\theta\theta}$4.93 $M_{\phi\phi}$1.39
$M_{r\theta}$-1.76 $M_{\theta\phi}$3.88 $M_{\phi r}$-1.62 NP1:ϕ_s242.00000°,δ36.00000°,λ-83.00000°. NP2:ϕ_s53.00000°
,δ55.00000°,λ-95.00000°. $M_0$7.28000×10^{15}
JMA Event type ke. NEAR MINAMI-DAITOJIMA IS.

(71) Near coast of Guatemala

ISC	XI	18 18 09 10.4–1.1	13.38N–.04	91.02W–.03	1–6	4.3b	320 1-147
IDC	XI	18 18 09 07.4–1.3	13.03N	91.20W	0	4.0b,3.9	¶621532494
NEIC	XI	18 18 09 09.6–1.7	13.10N–.09	91.02W–.04	10–2	4.3b,3.9	
GCG	XI	18 18 09 14.5–1.3	13.51N	91.03W	50–7	4.6L,4.4	
SNET	XI	18 18 09 14.8–.57	14N–4.0	91W–2.0	7–3	5.8b,5.8b	
CATAC	XI	18 18 09 16.4–.33	13N–2.0	91W–1.0	8–2	5.2b,4.7b	

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor:
Scale 10^{15}Nm; M_{rr}-0.21 $M_{\theta\theta}$1.10 $M_{\phi\phi}$-0.89 $M_{r\theta}$-0.44 $M_{\theta\phi}$0.29 $M_{\phi r}$-1.84 NP1:ϕ_s294.25456°
,δ28.47959°,λ-3.38892°. NP2:ϕ_s27.23417°,δ88.38474°,λ-118.43758°. Principal axes:
T 1.7449,Plg36.9850°,Azm142.1662°; N 0.6788,Plg28.4252°,Azm28.1087°
; P -2.4237,Plg39.9015°,Azm271.1985° $M_0$2.16565×10^{15} Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}0.23 $M_{\theta\theta}$0.70 $M_{\phi\phi}$-0.93 $M_{r\theta}$-0.66 $M_{\theta\phi}$0.36 $M_{\phi r}$-1.77 NP1:
ϕ_s303.09464°,δ23.85295°,λ11.26060°. NP2:ϕ_s202.77425°,δ85.47086°,λ113.44373°.
Principal axes: T 1.9553,Plg44.6318°,Azm136.0599°; N 0.2597,Plg23.3662°,Azm20.8130°
; P -2.2150,Plg36.2190°,Azm272.3663° $M_0$2.09728×10^{15} Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}0.69 $M_{\theta\theta}$0.69 $M_{\phi\phi}$-1.38 $M_{r\theta}$-1.20 $M_{\theta\phi}$1.88 $M_{\phi r}$-1.19 NP1:
ϕ_s290.91104°,δ58.31522°,λ20.94963°. NP2:ϕ_s189.54088°,δ72.28665°,λ146.53782°.
Principal axes: T 2.9811,Plg35.9122°,Azm146.2893°; N -0.4249,Plg52.6268°,Azm344.8224°
; P -2.5562,Plg8.9901°,Azm242.8684° $M_0$2.79297×10^{15} Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}0.38 $M_{\theta\theta}$-1.52 $M_{\phi\phi}$1.14 $M_{r\theta}$-1.25 $M_{\theta\phi}$1.69 $M_{\phi r}$-1.15 NP1:
ϕ_s155.80143°,δ55.92528°,λ166.41716°. NP2:ϕ_s253.51052°,δ78.78279°,λ34.83290°.
Principal axes: T 2.9607,Plg32.2575°,Azm120.1695°; N -0.4563,Plg53.6239°,Azm269.1287°
; P -2.5044,Plg14.9882°,Azm20.4413° $M_0$2.76096×10^{15}

(83) South of Panama

ISC	XI	18 21 31 35.1–.26	5.24N–.04	82.63W–.05	10	5.2b,4.4s	545 3-156
RSNC	XI	18 21 31 31.4–.30	5N–2.0	83W–3.0	0	5.8b,5.8b	¶621416138
IDC	XI	18 21 31 32.7–.46	5.14N	82.65W	0	4.9b,4.9	
MOS	XI	18 21 31 34.9–1.2	5.28N	82.57W	18	5.3b,4.9	
NEIC	XI	18 21 31 35.8	5.23N	82.60W	10	5.3b,4.9	
NEIC	XI	18 21 31 35.7–2.4	5.22N–.07	82.62W–.08	10–1	5.3b,4.9	
CATAC	XI	18 21 31 36.5–.83	5N–5.0	82W–9.0	16–6	5.7b,5.6b	
GFZ	XI	18 21 31 36.1	5.29N	82.57W	14	5.2W,5.6b	
GFZ	XI	18 21 31 36.5–.19	5N–2.0	83W–4.0	10	5.7b,5.4L	
GCMT	XI	18 21 31 38.7–.10	5.19N–.01	82.63W–.01	16–0	5.2W,5.4L	
NEIC	XI	18 21 31 41.8	5.23N	82.60W	12	5.2,5.4L	

ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=9.1km az=56.0.
MOS Error ellipse: s-maj=12.4km s-min=6.1km az=110.5.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.9km az=241.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=21.3km s-min=3.2km az=60.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor:
Scale 10^{16}Nm; M_{rr}3.55 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$-2.78 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.03 NP1:ϕ_s195.78965°
,δ43.95893°,λ84.08180°. NP2:ϕ_s23.98425°,δ46.33483°,λ95.67814°. Principal axes:
T 3.5753,Plg85.7258°,Azm3.8205°; N -0.4868,Plg4.1043°,Azm200.0571°
; P -3.0885,Plg1.1910°,Azm109.9716° $M_0$3.35850×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}1.44 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-0.10 $M_{r\theta}$0.26 $M_{\theta\phi}$-1.74 $M_{\phi r}$0.23 NP1:
ϕ_s49.46623°,δ50.16733°,λ82.49454°. NP2:ϕ_s241.08888°,δ40.41760°,λ98.89991°.
Principal axes: T 1.4748,Plg82.4296°,Azm274.9529°; N 1.1214,Plg5.7568°,Azm54.2901°
; P -2.5962,Plg4.8997°,Azm144.7853° $M_0$2.25534×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-6.65 $M_{\theta\theta}$-1.49 $M_{\phi\phi}$8.15 $M_{r\theta}$-1.50 $M_{\theta\phi}$-3.04 $M_{\phi r}$0.18 NP1:
ϕ_s148.32530°,δ49.37709°,λ-111.86732°. NP2:ϕ_s359.97566°,δ45.21896°,λ-66.52935°.
Principal axes: T 9.0511,Plg2.1608°,Azm253.6064°; N -1.9647,Plg16.4214°,Azm162.9693°
; P -7.0864,Plg73.4290°,Azm350.8911° $M_0$8.24621×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.21 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$0.30 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.90 $M_{\phi r}$1.14 NP1:
ϕ_s345.45661°,δ84.57174°,λ130.57049°. NP2:ϕ_s81.76143°,δ40.86968°,λ8.31250°.
Principal axes: T 1.5529,Plg36.9850°,Azm290.6075°; N -0.0617,Plg40.3509°,Azm160.8259°
; P -1.4912,Plg27.8930°,Azm44.1014° $M_0$1.52299×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.37 $M_{\theta\theta}$0.31 $M_{\phi\phi}$1.06 $M_{r\theta}$-2.88 $M_{\theta\phi}$1.43 $M_{\phi r}$-0.42 NP1:
ϕ_s187.50316°,δ27.54341°,λ-152.55722°. NP2:ϕ_s72.77985°,δ77.69520°,λ-65.16326°.
Principal axes: T 3.3459,Plg28.4421°,Azm143.0382°; N 0.2465,Plg24.2290°,Azm247.1466°
; P -3.5925,Plg51.0465°,Azm10.9717° $M_0$3.47576×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61 $M_{\theta\theta}$0.84 $M_{\phi\phi}$-0.22 $M_{r\theta}$1.34 $M_{\theta\phi}$7.49 $M_{\phi r}$-0.89 NP1:
ϕ_s271.32430°,δ82.89229°,λ-10.88944°. NP2:ϕ_s2.68791°,δ79.19525°,λ-172.76332°.
Principal axes: T 7.8286,Plg2.5827°,Azm317.2907°; N -0.2781,Plg77.0197°,Azm58.5758°
; P -7.5505,Plg12.7120°,Azm226.7077° $M_0$7.69330×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111182131A. Moment Tensor Solution. s89,c134;
s143,c259;Duration: 1τ0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.78±.14 $M_{\theta\theta}$0.52±.12;
$M_{\phi\phi}$0.26±.15; $M_{r\theta}$2.33±.36; $M_{\theta\phi}$9.17±.12; $M_{\phi r}$1.47±.39; Best double couple: NP1:ϕ_s360.00000°
,δ77.00000°,λ173.00000°. NP2:ϕ_s91.00000°,δ83.00000°,λ13.00000°. Principal axes:
T 10.2210,Plg14.0000°,Azm316.0000°; N -1.3960,Plg76.0000°,Azm117.0000°
; P -8.8250,Plg4.0000°,Azm225.0000° $M_0$9.52300×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2τ1 Moment tensor: Scale 10^{16}Nm;
M_{rr}-1.10 $M_{\theta\theta}$0.99 $M_{\phi\phi}$0.11 $M_{r\theta}$3.44 $M_{\theta\phi}$7.60 $M_{\phi r}$2.99 NP1:ϕ_s359.20000°,δ72.78000°
,λ165.48000°. NP2:ϕ_s93.58000°,δ76.15000°,λ17.76000°. Principal axes:
T 10.0269,Plg22.0000°,Azm317.0000°; N -2.9541,Plg68.0000°,Azm130.0000°
; P -7.0729,Plg2.0000°,Azm226.0000° $M_0$8.92000×10^{16}

(366) Turkey

ISC	XI	19 12 40 53.5–.43	39.81N–.01	41.88E–.01	8–2	5.1b,4.6s	1123 0-130
CFUSG	XI	19 12 40 48.4	39.56N	42.31E	5	4.5,3.9s	¶621423224
TIF	XI	19 12 40 50.9	39.81N	41.85E	10–1	4.5,3.9s	
BJI	XI	19 12 40 51.0	39.80N	41.90E	5	5.3b,5.1s	
ISK	XI	19 12 40 51.4	39.82N	41.89E	5–0	5.2L,5.1s	
IDC	XI	19 12 40 51.8–.37	39.77N	41.89E	0	4.7b,4.7	
MOS	XI	19 12 40 52.4–1.4	39.82N	41.94E	10	5.2b,4.4s	
DSN	XI	19 12 40 52.7–.34	39.72N	41.67E	10	5.6b,4.4s	
AFAD	XI	19 12 40 52.6	39.82N	41.87E	5–2	5.1W,4.4s	
NEIC	XI	19 12 40 53.5–1.6	39.83N–.04	41.92E–.06	6–4	5.1,5.1b	
GCMT	XI	19 12 40 53.5–.10	39.80N–.01	41.74E–.01	13–0	5.2W,5.1b	
NEIC	XI	19 12 40 54.1	39.84N	41.93E	10	5.2W,5.1b	
GFZ	XI	19 12 40 54.9	39.76N	41.98E	10	5.0W,5.1b	
GFZ	XI	19 12 40 54.9–.11	40N–2.0	42E–1.0	10	5.5b,5.3L	
MCSM	XI	19 12 40 54.3–.50	40N–3.0	42E–2.0	10–3	5.2b,5.2	
NAO	XI	19 12 40 58.2	39.76N	41.88E	10	5.0b,5.2	
GII	XI	19 12 41 11.5–.00	39.932N–.00	42.131E–.00	0	5.5,5.2	

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.89 $M_{\theta\theta}$-5.72 $M_{\phi\phi}$3.83 $M_{r\theta}$-0.63
$M_{\theta\phi}$-1.97 $M_{\phi r}$1.29 NP1:ϕ_s36.41000°,δ70.55000°,λ16.39000°. NP2:ϕ_s300.81000°,δ74.57000°
,λ159.80000°. Principal axes: T 4.8665,Plg25.0000°,Azm258.0000°; N 1.2630,Plg65.0000°
,Azm85.0000°; P -6.1295,Plg3.0000°,Azm349.0000° $M_0$5.61000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111191240A. Moment Tensor Solution. s83,c115;
s138,c251;Duration: 1τ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.41±.01 $M_{\theta\theta}$-0.87±.01;
$M_{\phi\phi}$0.46±.01; $M_{r\theta}$0.11±.02; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$-0.28±.03; Best double couple: NP1:
ϕ_s225.00000°,δ60.00000°,λ30.00000°. NP2:ϕ_s119.00000°,δ65.00000°,λ146.00000°.
Principal axes: T 0.7400,Plg41.0000°,Azm80.0000°; N 0.1530,Plg49.0000°,Azm267.0000°
; P -0.8940,Plg3.0000°,Azm173.0000° $M_0$0.81700×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.85 $M_{\theta\theta}$-3.71 $M_{\phi\phi}$4.56 $M_{r\theta}$-1.29 $M_{\theta\phi}$-0.05 $M_{\phi r}$-1.85 NP1:
ϕ_s134.61265°,δ60.53624°,λ-175.71066°. NP2:ϕ_s42.49985°,δ86.26626°,λ-29.53263°.
Principal axes: T 5.1444,Plg17.5633°,Azm92.3103°; N -0.8742,Plg60.2534°,Azm215.9427°
; P -4.2701,Plg23.1945°,Azm354.5157° $M_0$4.76775×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

(196) Irian Jaya region

ISC	XI	19 14 53 30.2–.85	3.00S–.05	136.10E–.04	33		38 1-68
IDC	XI	19 14 53 25.1–1.1	2.97S	136.07E	0	3.7L,3.7	¶621590295
DJA	XI	19 14 53 29.4–.60	3S–2.0	136E–2.0	11–4	5.6b,5.1	

ISC Event type se.

(248) Philippine Islands region

ISC	XI	19 20 08 24.5–.35	6.73N–.03	127.08E–.04	51–3	5.0b,4.8s	870 1-175
GFZ	XI	19 20 08 20.8	6.91N	127.17E	28	5.2W,4.8s	¶621423310
GFZ	XI	19 20 08 21.0–.17	7N–2.0	127E–3.0	10	5.5b,5.4L	
MAN	XI	19 20 08 21.8	6.83N	127.11E	8	5.7b,5.1s	
BJI	XI	19 20 08 22.5	6.63N	126.98E	56	5.2b,5.1s	
NEIC	XI	19 20 08 22.0–1.4	6.81N–.06	127.01E–.06	27–4	5.2b,5.1s	
MOS	XI	19 20 08 22.1–.92	6.75N	126.94E	45	5.1b,5.1s	
GCMT	XI	19 20 08 25.8–.20	6.68N–.01	127.15E–.01	28–0	5.4W,5.1s	
DJA	XI	19 20 08 25.4–.60	7N–5.0	127E–2.0	45–4	5.5b,5.4	
NEIC	XI	19 20 08 25.6	6.80N	126.97E	61	5.5b,5.4	
IDC	XI	19 20 08 27.3–1.6	6.76N	126.83E	74–14	4.7s,4.6	
NEIC	XI	19 20 08 28	6.80N	127.57E	36	5.3,4.6	

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}7.21 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-7.48 $M_{r\theta}$1.36 $M_{\theta\phi}$0.08 $M_{\phi r}$4.49 NP1:
ϕ_s169.89208°,δ30.01774°,λ73.53181°. NP2:ϕ_s8.74207°,δ61.33120°,λ99.30166°.
Principal axes: T 8.6783,Plg72.0814°,Azm300.5489°; N 0.0778,Plg8.1530°,Azm184.2492°
; P -8.7561,Plg15.8447°,Azm91.9189° $M_0$8.71744×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe. INTENSITY II - BAGANGA CARAGA MANAY AND TARRAGONA DAVAO ORIENTAL; . INTENSITY I - CITY OF DIGOS DAVAO DEL SUR.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.8km az=217.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.4km s-min=4.9km az=115.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111192008A. Moment Tensor Solution. s96,c140;
s129,c232;Duration: 1τ2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.16±.04 $M_{\theta\theta}$0.11±.02;
$M_{\phi\phi}$-1.27±.03; $M_{r\theta}$0.18±.04; $M_{\theta\phi}$-0.22±.02; $M_{\phi r}$0.78±.04; Best double couple: NP1:
ϕ_s186.00000°,δ29.00000°,λ85.00000°. NP2:ϕ_s11.00000°,δ61.00000°,λ93.00000°.
Principal axes: T 1.3960,Plg73.0000°,Azm288.0000°; N 0.1380,Plg2.0000°,Azm190.0000°
; P -1.5370,Plg16.0000°,Azm99.0000° $M_0$1.46600×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=8.3km az=81.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1τ8 Moment tensor: Scale 10^{17}Nm;
M_{rr}0.94 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.26 $M_{\theta\phi}$0.00 $M_{\phi r}$0.50 NP1:ϕ_s193.06000°,δ32.53000°
,λ112.93000°. NP2:ϕ_s346.42000°,δ60.31000°,λ76.05000°. Principal axes:
T 1.1244,Plg71.0000°,Azm225.0000°; N -0.0170,Plg12.0000°,Azm353.0000°
; P -1.1074,Plg14.0000°,Azm87.0000° $M_0$1.12000×10^{17}

(248) Philippine Islands region

ISC	XI	19 20 13 52.5–.23	6.75N–.02	126.98E–.03	56–1	5.4b,4.9s	1425 1-176
MAN	XI	19 20 13 48.9	6.86N	127.11E	10	6.1b,5.7s	¶621423307
BJI	XI	19 20 13 49.8	6.65N	126.97E	59	5.3b,5.1s	
MOS	XI	19 20 13 50.0–.92	6.77N	126.85E	46	5.7b,5.0s	
NEIC	XI	19 20 13 51.2–1.8	6.80N–.06	127.01E–.06	40–4	5.4b,5.0s	
NEIC	XI	19 20 13 52.7	6.98N	127.37E	30	5.4,5.0s	
GFZ	XI	19 20 13 52.0	6.79N	126.95E	27	5.3W,5.0s	
NEIC	XI	19 20 13 52.5	6.78N	126.96E	53	5.3W,5.0s	
IDC	XI	19 20 13 53.6–1.0	6.80N	127.03E	64–8	5.2,4.9b	
DJA	XI	19 20 13 54.9–.30	7N–2.0	127E–1.0	63–2	5.8b,5.7	
GFZ	XI	19 20 13 54.9–.10	7N–2.0	127E–2.0	69	5.9,5.8	
GCMT	XI	19 20 13 54.4–.10	6.71N–.01	127.11E–.01	27–0	5.5W,5.8	

ISC Event type se.
MAN Event type fe. INTENSITY II - BAGANGA CARAGA MANAY AND TARRAGONA DAVAO ORIENTAL; . INTENSITY I - CITY OF DIGOS DAVAO DEL SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2τ0 Moment tensor: Scale 10^{17}Nm;
M_{rr}1.20 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.83 NP1:ϕ_s191.16000°,δ27.21000°
,λ90.96000°. NP2:ϕ_s10.08000°,δ62.80000°,λ89.51000°. Principal axes:
T 1.4641,Plg72.0000°,Azm279.0000°; N -0.0476,Plg0.0000°,Azm10.0000°
; P -1.4165,Plg18.0000°,Azm100.0000° $M_0$1.44000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-1.10 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.54 NP1:
ϕ_s183.84940°,δ31.61602°,λ74.85103°. NP2:ϕ_s21.48611°,δ59.60177°,λ99.13897°.
Principal axes: T 1.2706,Plg73.7315°,Azm315.1209°; N 0.0402,Plg7.8740°,Azm196.8324°
; P -1.3109,Plg14.1439°,Azm104.8352° $M_0$1.29121×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111192013A. Moment Tensor Solution. s96,c145;
s137,c256;Duration: 1τ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.04 $M_{\theta\theta}$0.10±.03;
$M_{\phi\phi}$-1.66±.03; $M_{r\theta}$0.39±.04; $M_{\theta\phi}$-0.37±.02; $M_{\phi r}$1.14±.05; Best double couple: NP1:
ϕ_s186.00000°,δ27.00000°,λ81.00000°. NP2:ϕ_s16.00000°,δ63.00000°,λ95.00000°.

Principal axes: T 1.9600,Plg71.0000°,Azm297.0000°; N 0.1640,Plg4.0000°,Azm194.0000° ; P -2.1230,Plg18.0000°,Azm103.0000° $M_0$2.04200×10^{17}

(150) Scotia Sea

ISC	XI	20 08 21 06.2–.38	61.12S–.06	37.31W–.08	10	4.8b,3.8s	160	4-149
GFZ	XI	20 08 21 04.8–.20	61S–4.0	36W–5.0	10	5.8b,5.3	¶621425229	
IDC	XI	20 08 21 05.5–.63	61.06S	37.34W	0	4.7L,4.5b		
NEIC	XI	20 08 21 06.8–1.0	61.08S–.08	37.6W–.20	10–1	4.9b,4.5b		
GCMT	XI	20 08 21 09.5–.20	61.44S–.01	37.40W–.03	27–1	5.0W,4.5b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111200821A. Moment Tensor Solution. s53,c74; s105,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.16 $M_{\theta\theta}$1.53±.12; $M_{\phi\phi}$-1.06±.13; $M_{r\theta}$-0.11±.23; $M_{\theta\phi}$4.42±.11; $M_{\phi r}$0.62±.24; Best double couple: NP1:ϕ_s98.00000°,δ82.00000° ,λ-4.00000°. NP2:ϕ_s188.00000°,δ87.00000°,λ-172.00000°. Principal axes: T 4.8560,Plg3.0000°,Azm323.0000°; N -0.4090,Plg81.0000°,Azm212.0000° ; P -4.4500,Plg8.0000°,Azm53.0000° $M_0$4.65300×10^{16}

(212) Bonin Islands region

ISC	XI	20 08 35 02.4–.41	28.42N–.03	142.83E–.04	19–1	5.0b,4.4s	619	1-150
BJI	XI	20 08 34 55.0	28.50N	143.30E	10	5.2b,4.9b	¶621425230	
MOS	XI	20 08 34 59.6–1.2	28.50N	142.77E	14	5.1b,4.4s		
IDC	XI	20 08 34 59.8–.46	28.41N	142.88E	0	4.7b,4.7		
GFZ	XI	20 08 35 01.2–.45	28N–3.0	143E–6.0	10	5.7b,5.2		
NEIC	XI	20 08 35 01.4–1.1	28.42N–.05	142.8E–.10	10–1	5.1b,4.9		
NIED	XI	20 08 35 02.8	28.44N	142.35E	16	5.0W,4.9		
JMA	XI	20 08 35 02.8–.20	28.4N–.60	142E–5.0	16	4.4,4.9		
GCMT	XI	20 08 35 04.1–.20	28.38N–.02	142.94E–.01	12	4.9W,4.9		

ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.54 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-3.37 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.76 $M_{\phi r}$0.23 NP1:ϕ_s167.00000°,δ43.00000°,λ90.00000°. NP2:ϕ_s348.00000° ,δ47.00000°,λ90.00000°. $M_0$3.54000×10^{16}

JMA Event type ke. NEAR CHICHIJIMA ISLAND .

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111200834A. Moment Tensor Solution. s48,c62; s111,c179; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.71±.06 $M_{\theta\theta}$0.22±.06; $M_{\phi\phi}$-2.93±.05; $M_{r\theta}$-0.34±.22; $M_{\theta\phi}$0.33±.05; $M_{\phi r}$1.02±.15; Best double couple: NP1:ϕ_s179.00000°,δ35.00000° ,λ98.00000°. NP2:ϕ_s349.00000°,δ55.00000°,λ84.00000°. Principal axes: T 2.9190,Plg79.0000°,Azm237.0000°; N 0.2380,Plg5.0000°,Azm352.0000° ; P -3.1530,Plg10.0000°,Azm83.0000° $M_0$3.03600×10^{16}

(189) Southeast of Loyalty Islands

ISC	XI	20 13 40 24.4–.27	22.85S–.04	171.67E–.04	10	5.2b,4.9s	728	4-164
IDC	XI	20 13 40 20.8–.46	22.65S	171.87E	0	4.9s,4.8	¶621427726	
BJI	XI	20 13 40 21.6	22.70S	171.90E	10	5.4b,5.1s		
MOS	XI	20 13 40 22.8–1.4	22.89S	171.67E	10	5.3s,5.3b		
NEIC	XI	20 13 40 22.9–1.8	22.93S–.07	172.0E–.10	10–1	5.3b,5.3b		
GFZ	XI	20 13 40 22.4–.23	22S–4.0	172E–4.0	10	5.7b,5.5		
NEIC	XI	20 13 40 22.7	22.88S	172.00E	10	5.7b,5.5		
NEIC	XI	20 13 40 23.2	22.68S	172.11E	30	5.3,5.5		
PTWC	XI	20 13 40 28	22.90S	171.50E	10	5.6,5.5		
NOU	XI	20 13 40 30.8	22.78S	171.62E	60	5.2b,5.5		
GCMT	XI	20 13 40 30.1–.10	22.82S–.01	171.66E–.01	30–0	5.5W,5.5		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.18 $M_{\theta\theta}$0.52 $M_{\phi\phi}$-0.34 $M_{r\theta}$0.30 $M_{\theta\phi}$0.85 $M_{\phi r}$-0.59 NP1:ϕ_s278.70000°,δ66.10000° ,λ-21.37000°. NP2:ϕ_s17.71000°,δ70.54000°,λ-154.55000°. Principal axes: T 1.0454,Plg3.0000°,Azm147.0000°; N 0.2148,Plg58.0000°,Azm53.0000° ; P -1.2602,Plg31.0000°,Azm239.0000° $M_0$1.17000×10^{17}

NOU Southeast of Loyalty Islands.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111201340A. Moment Tensor Solution. s123,c216; s152,c296;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.02 $M_{\theta\theta}$0.07±.02; $M_{\phi\phi}$-0.20±.02; $M_{r\theta}$0.77±.03; $M_{\theta\phi}$1.40±.01; $M_{\phi r}$-1.29±.04; Best double couple: NP1: ϕ_s265.00000°,δ49.00000°,λ-5.00000°. NP2:ϕ_s359.00000°,δ86.00000°,λ-139.00000°. Principal axes: T 1.4840,Plg25.0000°,Azm124.0000°; N 0.8710,Plg48.0000°,Azm3.0000° ; P -2.3540,Plg31.0000°,Azm231.0000° $M_0$1.91900×10^{17}

(259) Mindanao

ISC	XI	20 14 35 46.3–.78	6.76N–.03	127.06E–.05	58–7	4.6b,4.3s	228	1-149
MAN	XI	20 14 35 45.0	6.86N	126.99E	10	5.5b,4.7s	¶621590366	
NEIC	XI	20 14 35 47.0–2.0	6.89N–.09	127.02E–.06	54–8	4.7b,4.7s		
IDC	XI	20 14 35 46.6–1.6	6.84N	126.90E	60–14	4.4,4.1b		
GCMT	XI	20 14 35 47.8–.20	6.75N–.02	127.08E–.02	27–0	5.0W,4.1b		
GFZ	XI	20 14 35 47.6–.49	7N–3.0	127E–3.0	69–4	5.1,5.1b		

ISC Event type se.

MAN Event type fe.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111201435A. Moment Tensor Solution. s37,c47; s90,c135; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.02±.19 $M_{\theta\theta}$0.51±.11; $M_{\phi\phi}$-3.53±.12; $M_{r\theta}$1.07±.19; $M_{\theta\phi}$-0.63±.08; $M_{\phi r}$1.62±.18; Best double couple: NP1:ϕ_s173.00000°,δ33.00000° ,λ65.00000°. NP2:ϕ_s22.00000°,δ61.00000°,λ106.00000°. Principal axes: T 3.6630,Plg70.0000°,Azm326.0000°; N 0.4100,Plg13.0000°,Azm195.0000° ; P -4.0720,Plg14.0000°,Azm101.0000° $M_0$3.86800×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(177) Kermadec Islands region

ISC	XI	20 18 04 40.2–.64	32.22S–.04	178.02W–.05	19–2	5.1b,4.2s	549	3-171
WEL	XI	20 18 04 35.8–.68	32S–4.0	178W–12	10	5.3,5.2b	¶621427733	
BJI	XI	20 18 04 37.4	31.97S	177.55W	12	5.6b,5.2b		
IDC	XI	20 18 04 38.0–.39	32.08S	178.28W	0	4.4b,4.4		
NEIC	XI	20 18 04 40.0–1.5	32.14S–.06	178.3W–.10	10–1	5.1b,4.4		
NOU	XI	20 18 04 39.8	32.37S	177.71W	30	5.2b,4.4		
GFZ	XI	20 18 04 42.2–.23	32S–4.0	178W–4.0	32	5.3b,5.0b		
GCMT	XI	20 18 04 43.0–.40	32.34S–.03	177.80W–.03	32–1	4.9W,5.0b		

ISC Event type se.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU South of Kermadec Islands.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111201804A. Moment Tensor Solution. s31,c37; s73,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.27±.17 $M_{\theta\theta}$-0.83±.11; $M_{\phi\phi}$-1.44±.10; $M_{r\theta}$0.60±.13; $M_{\theta\phi}$-1.03±.06; $M_{\phi r}$1.62±.11; Best double couple: NP1:ϕ_s225.00000°,δ27.00000° ,λ106.00000°. NP2:ϕ_s27.00000°,δ64.00000°,λ82.00000°. Principal axes: T 2.8890,Plg70.0000°,Azm280.0000°; N -0.1260,Plg7.0000°,Azm31.0000° ; P -2.7640,Plg18.0000°,Azm123.0000° $M_0$2.82600×10^{16}

(105) Near coast of Ecuador

ISC	XI	20 22 06 38.4–.67	1.97S–.03	80.24W–.03	54–6	4.6b,3.5s	308	0-164
VAO	XI	20 22 06 34.7–1.4	1.99S	80.01W	10	4.8b,3.5s	¶621427822	
CATAC	XI	20 22 06 37.9–.37	2S–2.0	80W–3.0	1	5.8b,5.3		
IGQ	XI	20 22 06 38.7–.19	2S–1.0	80W–1.0	22–1	5.0,5.0		
IDC	XI	20 22 06 40.2–2.3	1.84S	80.10W	67–21	4.2,3.8b		
NEIC	XI	20 22 06 41.1–1.5	1.91S–.07	80.08W–.08	70–5	4.7b,3.8b		

ISC Event type se.

VAO Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.27 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.39 $M_{\theta\phi}$0.41 $M_{\phi r}$1.19 NP1:ϕ_s98.06699° ,δ36.71172°,λ-42.86170°. NP2:ϕ_s224.71419°,δ66.00639°,λ-118.66071°. Principal axes: T 1.6630,Plg16.2196°,Azm335.3975°; N 0.3487,Plg25.9877°,Azm237.2453° ; P -2.0117,Plg58.6923°,Azm93.9718° $M_0$1.86202×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.30 $M_{\theta\theta}$1.31 $M_{\phi\phi}$-0.02 $M_{r\theta}$0.40 $M_{\theta\phi}$0.45 $M_{\phi r}$1.17 NP1: ϕ_s95.17357°,δ35.67225°,λ-44.56656°. NP2:ϕ_s223.83922°,δ65.84436°,λ-117.08584°. Principal axes: T 1.6752,Plg16.5630°,Azm333.4665°; N 0.3218,Plg24.5480°,Azm235.6594° ; P -1.9970,Plg59.7448°,Azm94.1217° $M_0$1.85715×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.27 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.40 $M_{\theta\phi}$0.41 $M_{\phi r}$1.19 NP1: ϕ_s98.11664°,δ36.70230°,λ-42.85418°. NP2:ϕ_s224.75997°,δ66.01562°,λ-118.65537°. Principal axes: T 1.6665,Plg16.2300°,Azm335.4407°; N 0.3482,Plg25.9849°,Azm237.2840° ; P -2.0147,Plg58.6885°,Azm94.0314° $M_0$1.86517×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.29 $M_{\theta\theta}$1.28 $M_{\phi\phi}$0.01 $M_{r\theta}$0.41 $M_{\theta\phi}$0.47 $M_{\phi r}$1.15 NP1: ϕ_s93.67788°,δ35.09734°,λ-45.47476°. NP2:ϕ_s223.43322°,δ65.80031°,λ-116.23313°. Principal axes: T 1.6589,Plg16.7791°,Azm332.4871°; N 0.3038,Plg23.7772°,Azm234.8533° ; P -1.9626,Plg60.2725°,Azm94.3597° $M_0$1.82975×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.99 $M_{\theta\theta}$0.52 $M_{\phi\phi}$-1.51 $M_{r\theta}$-0.24 $M_{\theta\phi}$0.59 $M_{\phi r}$1.49 NP1: ϕ_s151.78053°,δ21.66313°,λ71.34599°. NP2:ϕ_s351.74371°,δ69.52758°,λ97.24043°. Principal axes: T 1.6834,Plg64.7532°,Azm273.8043°; N 0.6633,Plg6.7809°,Azm169.1994° ; P -2.3467,Plg24.1953°,Azm76.1369° $M_0$2.09536×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.95 $M_{\theta\theta}$0.57 $M_{\phi\phi}$-1.52 $M_{r\theta}$-0.24 $M_{\theta\phi}$0.48 $M_{\phi r}$1.67 NP1: ϕ_s158.03244°,δ19.06788°,λ76.33286°. NP2:ϕ_s352.46074°,δ71.49195°,λ94.66906°. Principal axes: T 1.7884,Plg63.2237°,Azm269.8011°; N 0.6660,Plg4.4271°,Azm170.9756° ; P -2.4544,Plg26.3496°,Azm78.7780° $M_0$2.19841×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(177) Kermadec Islands region

ISC	XI	21 05 12 29.8–.41	29.29S–.03	176.88W–.04	20–1	5.7s,5.6b	1335	1-172
BJI	XI	21 05 12 26.7	28.87S	176.37W	12	6.0b,5.8s	¶621883569	
IDC	XI	21 05 12 27.6–.33	29.05S	177.16W	0	5.5s,5.2b		
MOS	XI	21 05 12 28.3–1.1	29.14S	177.24W	10	6.0b,5.6s		
IPGP	XI	21 05 12 28.0	29.40S	176.88W	16	5.9W,5.6s		
NEIC	XI	21 05 12 28.3	29.38S	176.88W	10	5.9W,5.6s		
NEIC	XI	21 05 12 29.0–1.4	29.34S–.08	176.85W–.07	16–1	5.7,5.5b		
GFZ	XI	21 05 12 29.4–.21	29S–3.0	177W–4.0	10	6.1b,5.8		
PTWC	XI	21 05 12 29	29.40S	176.50W	19	6.3,5.8		
GFZ	XI	21 05 12 30.9	29.20S	177.07W	19	5.9W,5.8		
NOU	XI	21 05 12 33.2	29.35S	176.90W	45	5.5,5.8		
NEIC	XI	21 05 12 34.5	29.28S	176.42W	30	5.8,5.8		
GCMT	XI	21 05 12 35.9–.10	29.11S–.01	176.71W	22–0	5.8W,5.8		

ISC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s169.00000°,δ25.00000°,λ75.00000°. NP2:ϕ_s6.00000° ,δ66.00000°,λ97.00000°.

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

PTWC KERMADEC ISLANDS REGION.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.06 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-3.98 $M_{r\theta}$2.58 $M_{\theta\phi}$-0.86 $M_{\phi r}$6.76 NP1: ϕ_s184.01690°,δ15.22930°,λ74.79602°. NP2:ϕ_s19.74730°,δ75.31597°,λ94.08385°. Principal axes: T 8.3100,Plg59.4875°,Azm295.4394°; N 0.0254,Plg3.9502°,Azm198.7105° ; P -8.3354,Plg30.2008°,Azm106.4070° $M_0$8.32269×10^{17}

NOU Kermadec Islands Region.

NEIC Event type se. Moment Tensor Solution.Duration: 2s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}3.97 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-4.37 $M_{r\theta}$1.19 $M_{\theta\phi}$-1.83 $M_{\phi r}$2.60 NP1:ϕ_s193.67000°,δ29.00000° ,λ82.12000°. NP2:ϕ_s22.65000°,δ61.30000°,λ94.34000°. Principal axes: T 4.8161,Plg73.0000°,Azm303.0000°; N 1.0054,Plg4.0000°,Azm201.0000° ; P -5.8216,Plg16.0000°,Azm109.0000° $M_0$5.39000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111210512A. Moment Tensor Solution. s153,c325; s161,c508;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.67±.05 $M_{\theta\theta}$-0.37±.03; $M_{\phi\phi}$-5.30±.04; $M_{r\theta}$1.22±.07; $M_{\theta\phi}$-1.17±.03; $M_{\phi r}$4.43±.07; Best double couple: NP1:ϕ_s191.00000°,δ25.00000°,λ87.00000°. NP2:ϕ_s14.00000°,δ65.00000°,λ91.00000°. Principal axes: T 7.3120,Plg70.0000°,Azm287.0000°; N -0.1110,Plg1.0000°,Azm194.0000° ; P -7.2010,Plg20.0000°,Azm103.0000° $M_0$7.25700×10^{17}

(201) Irian Jaya

ISC	XI	21 09 08 46.0–.68	4.34S–.05	137.05E–.07	10	4.0b,3.8s	35	0-100
IDC	XI	21 09 08 43.9–.80	4.15S	136.93E	0	4.0b,4.0	¶621608907	
DJA	XI	21 09 08 48.6–.50	4S–3.0	137E–2.0	12–4	5.6b,5.0		

ISC Event type se.

(181) Fiji Islands region

ISC	XI	21 22 11 43.9–.33	16.88S–.06	175.25E–.05	10	4.8b,4.5s	255	3-157
IDC	XI	21 22 11 41.4–.52	16.89S	175.16E	0	4.4,4.4s	¶621428016	
BJI	XI	21 22 11 43.2	16.57S	175.71E	21	5.5b,5.0s		
NEIC	XI	21 22 11 44.7–1.7	16.88S–.09	175.35E–.04	10–1	4.9b,5.0s		
GFZ	XI	21 22 11 44.7–.20	17S–5.0	175E–3.0	10	6.0b,5.6		
NOU	XI	21 22 11 45.1	16.67S	175.36E	36	5.0b,5.6		
GCMT	XI	21 22 11 47.3–.10	16.93S–.01	175.19E–.01	16–0	5.3W,5.6		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NOU Fiji Islands Region.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111212211B. Moment Tensor Solution. s102,c167; s151,c283;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.01 $M_{\theta\theta}$-0.29±.01; $M_{\phi\phi}$0.45±.01; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$1.00±.01; $M_{\phi r}$0.01±.03; Best double couple: NP1: ϕ_s170.00000°,δ87.00000°,λ-178.00000°. NP2:ϕ_s80.00000°,δ88.00000°,λ-3.00000°. Principal axes: T 1.1480,Plg1.0000°,Azm125.0000°; N -0.1620,Plg87.0000°,Azm229.0000° ; P -0.9860,Plg3.0000°,Azm35.0000° $M_0$1.06700×10^{17}

(273) Southwest of Sumatera

ISC	XI	22 00 23 42.4–.52	7.90S–.06	104.44E–.05	10	4.6b	216	2-146
BJI	XI	22 00 23 38.6	8.38S	104.29E	18	4.8b,4.7b	¶621428024	
GFZ	XI	22 00 23 40.4–.35	8S–4.0	104E–3.0	10	5.7b,5.2		
NEIC	XI	22 00 23 41.6–1.1	8.07S–.07	104.37E–.05	10–1	4.5b,5.2		
IDC	XI	22 00 23 41.7–.72	7.79S	104.44E	0	4.6L,4.3b		
DJA	XI	22 00 23 44.6–.70	8S–6.0	104E–5.0	47–37	5.5b,5.0b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	XI	22 01 22 51.9–.28	57.95S–.04	25.66W–.05	47–2	5.3b,4.5s	604	7-175
IDC	XI	22 01 22 45.1–.35	57.90S	25.49W	0	5.1b,5.1	¶621428027	
MOS	XI	22 01 22 49.4–.93	57.98S	25.82W	34	5.5b,5.1		
GFZ	XI	22 01 22 52.5–.14	58S–3.0	26W–3.0	45	6.5,6.4		
NEIC	XI	22 01 22 52.4–1.6	57.94S–.09	25.7W–.20	49–4	5.4b,5.3		
GCMT	XI	22 01 22 54.4–.10	58.07S–.01	25.05W–.02	52–0	5.3W,5.3		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111220122A. Moment Tensor Solution. s121,c189; s122,c206;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.91±.02 $M_{\theta\theta}$0.18±.01; $M_{\phi\phi}$-1.09±.01; $M_{r\theta}$0.01±.01; $M_{\theta\phi}$0.07±.01; $M_{\phi r}$0.14±.01; Best double couple: NP1: ϕ_s175.00000°,δ41.00000°,λ87.00000°. NP2:ϕ_s359.00000°,δ49.00000°,λ92.00000°. Principal axes: T 0.9230,Plg86.0000°,Azm289.0000°; N 0.1820,Plg2.0000°,Azm177.0000° ; P -1.1040,Plg4.0000°,Azm87.0000° $M_0$1.01300×10^{17}

(88) Dominican Republic region

ISC	XI	22 07 42 46.9–.84	19.68N–.03	70.69W–.02	2–5	4.6b,3.9s	457	0-157
SSNC	XI	22 07 42 45.0–1.7	19.79N	70.29W	15–13	5.1L,4.3	¶621428047	
NEIC	XI	22 07 42 47.9	19.63N	70.74W	10	5.1L,4.3		

IDC	XI	22 07 42 47.7–.49	19.66N	70.67W	0	4.2b,4.2			
NEIC	XI	22 07 42 47.9–1.5	19.63N–.04	70.75W–.03	10–1	4.6b,4.5			
GFZ	XI	22 07 42 48.7–.17	20N–2.0	71W–3.0	10	5.7b,5.2			
JSN	XI	22 07 42 49.0–2.2	19.79N	70.68W	0–51	5.5,5.2			
PTWC	XI	22 07 42 49	19.70N	70.70W		5.2L,5.2			
OSPL	XI	22 07 42 51.8–2.8	19.68N	70.61W	5–6	4.7L,5.2			
CATAC	XI	22 07 42 58.1–.57	19N–4.0	71W–2.0	29–4	5.2,5.0			

ISC Event type se.
SSNC Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.91 $M_{\theta\theta}$0.87 $M_{\phi\phi}$0.04 $M_{r\theta}$-3.58 $M_{\theta\phi}$4.91 $M_{\phi r}$-1.88 NP1:ϕ_s269.76000°,δ87.80000°,λ35.21000°. NP2:ϕ_s178.21000°,δ54.82000° ,λ177.30000°. Principal axes: T 7.2676,Plg26.0000°,Azm140.0000°; N -2.3647,Plg55.0000° ,Azm273.0000°; P -4.9029,Plg22.0000°,Azm38.0000° $M_0$6.42000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JSN Event type se. Presumed earthquake.
PTWC DOMINICAN REPUBLIC REGION.
OSPL Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(705) Off west coast of northern Sumatera

ISC	**XI**	**22 09 01 02.3–.81**	**0.23N–.06**	**96.73E–.09**	**10**	**4.0b**	**89**	**1-145**
IDC	XI	22 09 01 00.8–1.3	0.12N	96.72E	0	4.2L,3.8b		**¶621611898**
DJA	XI	22 09 01 01.3–1.5	0N–3.0	97E–4.0	14–11	5.9b,5.5		
NEIC	XI	22 09 01 03.4–.93	0.20N–.05	96.81E–.10	10–1	4.2b,5.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(246) Southwestern Ryukyu Islands

ISC	**XI**	**22 14 26 45.8–.64**	**24.27N–.04**	**123.40E–.03**	**48–5**	**4.5b,3.5s**	**255**	**0-110**
GFZ	XI	22 14 26 44.9–.70	24N–4.0	123E–5.0	35–5	5.6b,5.1		**¶621440147**
BJI	XI	22 14 26 44.6	24.36N	123.42E	40	4.8b,4.3b		
NIED	XI	22 14 26 45.7	24.28N	123.44E	45	4.5W,4.3b		
NEIC	XI	22 14 26 45.7–1.3	24.27N–.06	123.41E–.06	43–5	4.6b,4.3b		
JMA	XI	22 14 26 45.7–.08	24.3N–.30	123.4E–.10	45–0	4.5,4.1		
IDC	XI	22 14 26 46.6–2.5	24.30N	123.28E	62–22	4.3,4.0b		

ISC Event type ke.
GFZ Error ellipse: s-maj=9.8km s-min=7.4km az=74.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.81 $M_{\theta\theta}$-7.49 $M_{\phi\phi}$1.69 $M_{r\theta}$-2.42 $M_{\theta\phi}$1.20 $M_{\phi r}$-0.77 NP1:ϕ_s111.00000°,δ37.00000°,λ111.00000°. NP2:ϕ_s265.00000° ,δ56.00000°,λ75.00000°. $M_0$7.23000×10^{15}
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.9km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR ISHIGAKIJIMA ISLAND.
IDC Error ellipse: s-maj=15.5km s-min=11.5km az=59.0.

(705) Off west coast of northern Sumatera

ISC	**XI**	**22 21 13 53.7–.95**	**0.35N–.04**	**96.70E–.04**	**12–5**	**4.9b,4.1s**	**547**	**1-158**
IDC	XI	22 21 13 51.5–.41	0.27N	96.60E	0	4.6b,4.6		**¶621448734**
BJI	XI	22 21 13 51.0	0.01S	96.66E	22	5.2b,4.9b		
NEIC	XI	22 21 13 53.5–1.5	0.37N–.06	96.63E–.04	10–1	5.1b,4.8		
DJA	XI	22 21 13 53.8–.40	0N–2.0	97E–4.0	10	5.5b,5.5b		
GFZ	XI	22 21 13 54.4–.16	0N–3.0	97E–3.0	10	5.6,5.4		
BKK	XI	22 21 13 55.3–1.8	0N–6.0	97E–6.0	5–10	5.1,5.0L		
GCMT	XI	22 21 13 56.0–.20	0.39N–.02	96.67E–.01	12	4.9W,5.0L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111222113A. Moment Tensor Solution. s64,c82; s118,c185; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.96±.05 $M_{\theta\theta}$0.80±.05; $M_{\phi\phi}$2.16±.05; $M_{r\theta}$1.14±.18; $M_{\theta\phi}$-0.92±.04; $M_{\phi r}$0.91±.16; Best double couple: NP1:ϕ_s315.00000°,δ45.00000° ,λ-119.00000°. NP2:ϕ_s174.00000°,δ52.00000°,λ-64.00000°. Principal axes: T 2.6390,Plg4.0000°,Azm246.0000°; N 0.8650,Plg20.0000°,Azm337.0000° ; P -3.5030,Plg69.0000°,Azm146.0000° $M_0$3.07100×10^{16}

(192) New Britain region

ISC	**XI**	**22 21 36 02.8–.58**	**5.69S–.03**	**152.09E–.04**	**16–3**	**5.3b,4.4s**	**640**	**1-157**
BJI	XI	22 21 35 58.1	5.80S	152.43E	13	5.3b,5.0b		**¶621448738**
IDC	XI	22 21 35 59.6–.37	5.70S	151.98E	0	4.8b,4.8		
MOS	XI	22 21 36 01.0–1.0	5.70S	152.04E	15	5.5b,4.9s		
GFZ	XI	22 21 36 02.9	5.61S	152.00E	37	5.1W,4.9s		
NEIC	XI	22 21 36 02.4–1.7	5.77S–.05	152.08E–.07	10–1	5.5b,5.0		
GFZ	XI	22 21 36 02.9–.19	6S–3.0	152E–3.0	10	5.7b,5.2		
GCMT	XI	22 21 36 09.4–.20	5.83S–.01	152.15E–.01	37–0	5.1W,5.2		
DJA	XI	22 21 36 09.9–.50	6S–3.0	152E–4.0	68–5	5.8b,5.4		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.97 $M_{\theta\theta}$-2.48 $M_{\phi\phi}$-1.49 $M_{r\theta}$3.11 $M_{\theta\phi}$-1.21 $M_{\phi r}$1.96 NP1: ϕ_s57.26379°,δ67.66904°,λ90.74453°. NP2:ϕ_s235.30492°,δ22.34273°,λ88.18809°. Principal axes: T 5.5030,Plg67.3227°,Azm328.6294°; N -0.6749,Plg0.6887°,Azm236.9809° ; P -4.8281,Plg22.6656°,Azm146.6933° $M_0$5.19849×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111222136A. Moment Tensor Solution. s92,c148; s119,c174;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.37±.15 $M_{\theta\theta}$-3.92±.11; $M_{\phi\phi}$-0.45±.11; $M_{r\theta}$2.76±.13; $M_{\theta\phi}$-2.53±.09; $M_{\phi r}$2.96±.12; Best double couple: NP1: ϕ_s258.00000°,δ28.00000°,λ116.00000°. NP2:ϕ_s49.00000°,δ66.00000°,λ77.00000°. Principal axes: T 6.0120,Plg67.0000°,Azm295.0000°; N 0.5990,Plg12.0000°,Azm54.0000° ; P -6.6120,Plg20.0000°,Azm149.0000° $M_0$6.31200×10^{16}

(76) Off coast of central America

ISC	**XI**	**23 05 56 34.0–.64**	**12.96N–.03**	**90.25W–.03**	**32–3**	**5.3b,5.1s**	**1375**	**1-158**
IDC	XI	23 05 56 29.8–.43	13.27N	89.94W	0	5.0s,4.9b		**¶635692406**
CATAC	XI	23 05 56 30.8–.29	13N–1.0	90W–2.0	8–2	5.9b,5.9		
GCG	XI	23 05 56 31.0–1.3	12.76N	90.51W	50–22	5.7,5.6L		
NEIC	XI	23 05 56 32.8–1.7	12.99N–.06	90.26W–.04	18–1	5.4b,5.3		
GFZ	XI	23 05 56 33.2	13.06N	90.24W	16	5.6W,5.3		
NEIC	XI	23 05 56 33	12.98N	90.27W	19	5.6W,5.3		
PTWC	XI	23 05 56 33	13.00N	90.30W	10	5.4,5.3		
MOS	XI	23 05 56 34.8–.87	13.17N	90.14W	50	5.5b,5.1s		
GCMT	XI	23 05 56 35.4–.10	12.91N–.01	90.59W–.01	16–0	5.5W,5.1s		
BJI	XI	23 05 56 36.3	13.00N	90.20W	51	5.8b,5.6s		
GFZ	XI	23 05 56 37.0–.13	13N–2.0	90W–3.0	55	5.8,5.7b		
SNET	XI	23 05 56 36.4–.25	13N–2.0	90W–2.0	51–2	5.7b,5.6b		
NEIC	XI	23 05 56 36.2	13.00N	90.25W	51	5.7b,5.6b		
IPGP	XI	23 05 56 36.0	13.01N	90.24W	19	5.4W,5.6b		
NEIC	XI	23 05 56 37	12.90N	90.66W	20	5.5,5.6b		

ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=7.7km az=45.0.
CATAC Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=86.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.10 $M_{\theta\phi}$0.56 $M_{\phi r}$0.18 NP1:ϕ_s110.80371° ,δ45.59553°,λ80.21328°. NP2:ϕ_s304.65187°,δ45.24946°,λ99.84572°. Principal axes: T 1.5731,Plg83.0227°,Azm299.1315°; N -0.1168,Plg6.9751°,Azm117.6858° ; P -1.4563,Plg0.1743°,Azm207.7071° $M_0$1.51807×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.10 $M_{\phi\phi}$-0.15 $M_{r\theta}$0.23 $M_{\theta\phi}$1.46 $M_{\phi r}$-0.02 NP1: ϕ_s110.00084°,δ50.77856°,λ67.29564°. NP2:ϕ_s323.49299°,δ44.38344°,λ115.30910°. Principal axes: T 1.2904,Plg72.2637°,Azm316.3755°; N 0.8778,Plg17.3987°,Azm124.8196° ; P -2.1682,Plg3.3385°,Azm215.8670° $M_0$1.88900×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$-0.24 $M_{r\theta}$0.18 $M_{\theta\phi}$1.39 $M_{\phi r}$0.04 NP1: ϕ_s111.29193°,δ49.54882°,λ66.93535°. NP2:ϕ_s324.56880°,δ45.56252°,λ114.67856°. Principal axes: T 1.2728,Plg72.5231°,Azm314.0095°; N 0.7833,Plg17.3448°,Azm126.7355° ; P -2.0561,Plg2.0801°,Azm217.3854° $M_0$1.79735×10^{17}
GCG Event type se. Error ellipse: s-maj=12.9km s-min=7.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=2.9km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.82 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$-0.16 $M_{r\theta}$0.58 $M_{\theta\phi}$0.61 $M_{\phi r}$-0.18 NP1:ϕ_s318.66000°,δ30.74000°,λ113.02000°. NP2:ϕ_s112.36000°,δ61.94000° ,λ76.91000°. Principal axes: T 1.0196,Plg70.0000°,Azm354.0000°; N 0.2145,Plg12.0000° ,Azm119.0000°; P -1.2340,Plg16.0000°,Azm212.0000° $M_0$1.14000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.36 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$-0.42 $M_{r\theta}$2.30 $M_{\theta\phi}$0.50 $M_{\phi r}$-0.98 NP1: ϕ_s114.09159°,δ76.29520°,λ87.05000°. NP2:ϕ_s306.36296°,δ14.01276°,λ101.91679°. Principal axes: T 2.8821,Plg58.6045°,Azm20.0859°; N -0.1344,Plg2.8659°,Azm114.7911° ; P -2.7477,Plg31.2342°,Azm206.5308° $M_0$2.81733×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=9.3km s-min=4.7km az=106.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111230556A. Moment Tensor Solution. s127,c231; s143,c280;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.52±.02 $M_{\theta\theta}$-1.22±.02; $M_{\phi\phi}$-0.29±.02; $M_{r\theta}$1.27±.06; $M_{\theta\phi}$0.63±.01; $M_{\phi r}$-1.61±.07; Best double couple: NP1: ϕ_s282.00000°,δ21.00000°,λ57.00000°. NP2:ϕ_s136.00000°,δ72.00000°,λ102.00000°. Principal axes: T 2.6340,Plg61.0000°,Azm63.0000°; N -0.1560,Plg11.0000°,Azm312.0000° ; P -2.4750,Plg26.0000°,Azm217.0000° $M_0$2.55500×10^{17}
GFZ Error ellipse: s-maj=6.5km s-min=3.6km az=63.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SNET Error ellipse: s-maj=5.0km s-min=3.3km az=52.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s301.00000°,δ26.00000°,λ89.00000°. NP2:ϕ_s122.00000° ,δ64.00000°,λ91.00000°.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.75 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$-0.46 $M_{r\theta}$1.02 $M_{\theta\phi}$0.50 $M_{\phi r}$-1.27 NP1:ϕ_s285.43000°,δ24.71000° ,λ65.44000°. NP2:ϕ_s132.13000°,δ67.66000°,λ100.82000°. Principal axes: T 2.4781,Plg66.0000°,Azm61.0000°; N -0.3571,Plg10.0000°,Azm308.0000° ; P -2.1210,Plg22.0000°,Azm214.0000° $M_0$2.32000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**XI**	**23 09 48 42.3–.33**	**38.87N–.04**	**142.35E–.04**	**55–2**	**4.8b,3.5s**	**450**	**1-155**
MOS	XI	23 09 48 40.3–1.1	38.87N	142.33E	50	4.9b,3.5s		**¶621449125**
NEIC	XI	23 09 48 42.4–.90	38.90N–.06	142.22E–.08	51–5	4.8b,3.5s		
NIED	XI	23 09 48 42.1	38.91N	142.27E	47	4.5W,3.5s		
IDC	XI	23 09 48 42.6–.63	38.85N	142.27E	55–5	4.5,4.2b		
BJI	XI	23 09 48 42.0	38.86N	142.25E	67	5.1b,4.7b		
JMA	XI	23 09 48 42.1–.07	38.9N–.20	142.3E–.20	47–0	4.9,4.7		
GFZ	XI	23 09 48 43.9–.18	39N–3.0	142E–4.0	59	5.6b,5.1		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}7.35 $M_{\theta\theta}$-2.03 $M_{\phi\phi}$-5.32 $M_{r\theta}$-1.37 $M_{\theta\phi}$-1.06 $M_{\phi r}$-1.28 NP1:ϕ_s12.00000°,δ38.00000°,λ81.00000°. NP2:ϕ_s203.00000° ,δ52.00000°,λ97.00000°. $M_0$6.74000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(182) Fiji Islands

ISC	**XI**	**23 11 54 16.7–.39**	**16.35S–.05**	**178.27E–.07**	**22**	**4.8b,4.0s**	**195**	**1-145**
IDC	XI	23 11 54 12.9–.59	16.35S	177.99E	0	4.5b,4.4		**¶621449543**
NEIC	XI	23 11 54 13.9–.79	16.33S–.07	178.13E–.09	10–1	4.8b,4.4		
GFZ	XI	23 11 54 15.5–.18	16S–5.0	178E–4.0	10	6.5b,6.3		
NOU	XI	23 11 54 17.0	15.92S	178.23E	23	4.9b,6.3		
GCMT	XI	23 11 54 18.0–.20	16.16S–.02	178.06E–.01	12	4.9W,6.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NOU Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111231154A. Moment Tensor Solution. s30,c45; s84,c126; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.19±.09 $M_{\theta\theta}$0.13±.09; $M_{\phi\phi}$2.06±.07; $M_{r\theta}$0.44±.31; $M_{\theta\phi}$1.85±.06; $M_{\phi r}$-0.01±.24; Best double couple: NP1:ϕ_s15.00000°,δ45.00000° ,λ-113.00000°. NP2:ϕ_s226.00000°,δ50.00000°,λ-69.00000°. Principal axes: T 3.1910,Plg2.0000°,Azm301.0000°; N -0.8820,Plg16.0000°,Azm32.0000° ; P -2.3090,Plg74.0000°,Azm203.0000° $M_0$2.75000×10^{16}

(635) Near north coast of Kalaallit Nunaat

ISC	**XI**	**23 12 04 18.6–.65**	**82.07N–.03**	**18.07W–.03**	**10–3**	**5.0b,4.6s**	**1087**	**1-175**
BJI	XI	23 12 04 16.0	82.10N	17.80W	10	5.5b,5.2s		**¶621449540**
IDC	XI	23 12 04 17.0–.34	82.13N	17.91W	0	5.1L,4.7b		
MOS	XI	23 12 04 16.8–1.1	82.00N	18.01W	8	5.2b,4.4s		
FCIAR	XI	23 12 04 17.0	82.53N	19.71W	10	5.2b,4.4s		
GFZ	XI	23 12 04 17.6–.42	82N–6.0	19W–3.0	10	5.7b,5.3		
NEIC	XI	23 12 04 19.2	82.13N	17.66W	10	5.7b,5.3		
NEIC	XI	23 12 04 19.2–.81	82.13N–.08	17.66W–.09	10–1	5.4b,5.4		
GFZ	XI	23 12 04 19.7	82.08N	18.10W	16	5.2W,5.4		
BER	XI	23 12 04 19.7–3.3	82.21N	17.09W	0–14	5.2W,5.0W		
DNK	XI	23 12 04 19.9–2.1	82.10N	17.96W	20–9	5.2s,4.5L		
GCMT	XI	23 12 04 19.9–.10	82.07N–.01	17.76W–.04	12	5.2W,4.5L		

ISC Event type ke.
FCIAR station OMEGA has station magnitude of 3.0. station ZFI2 has station magnitude of 3.9.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.13 $M_{\theta\theta}$2.38 $M_{\phi\phi}$4.75 $M_{r\theta}$-0.83 $M_{\theta\phi}$-2.18 $M_{\phi r}$-2.16 NP1:ϕ_s138.93000°,δ39.81000°,λ-107.90000°. NP2:ϕ_s341.74000° ,δ52.46000°,λ-75.63000°. Principal axes: T 6.2048,Plg6.0000°,Azm62.0000° ; N 1.4506,Plg11.0000°,Azm153.0000°; P -7.6554,Plg77.0000°,Azm302.0000° $M_0$7.04000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.94 $M_{\theta\theta}$2.66 $M_{\phi\phi}$5.28 $M_{r\theta}$-0.41 $M_{\theta\phi}$-2.69 $M_{\phi r}$-3.33 NP1: ϕ_s137.59399°,δ36.29852°,λ-109.29095°. NP2:ϕ_s341.06908°,δ56.03033°,λ-76.36001°. Principal axes: T 7.4209,Plg10.0664°,Azm61.3186°; N 1.4039,Plg11.2782°,Azm153.3475° ; P -8.8248,Plg74.7935°,Azm290.5430° $M_0$8.21334×10^{16}
BER Event type ke. Confirmed Earthquake.
DNK Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111231204A. Moment Tensor Solution. s106,c155; s144,c275;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72±.01 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$0.70±.01; $M_{r\theta}$0.14±.03; $M_{\theta\phi}$-0.36±.01; $M_{\phi r}$-0.36±.02; Best double couple: NP1: ϕ_s155.00000°,δ32.00000°,λ-92.00000°. NP2:ϕ_s338.00000°,δ58.00000°,λ-89.00000°. Principal axes: T 0.9480,Plg13.0000°,Azm67.0000°; N -0.1440,Plg1.0000°,Azm157.0000° ; P -0.8040,Plg77.0000°,Azm252.0000° $M_0$0.87600×10^{17}

(742) Western Indian-Antarctic Ridge

ISC	**XI**	**23 18 42 13.3–.43**	**49.18S–.06**	**126.17E–.09**	**10**	**4.5b,3.4s**	**67**	**15-149**
IDC	XI	23 18 42 12.4–.80	49.15S	126.52E	0	4.5,4.4b		**¶621449588**
GFZ	XI	23 18 42 13.8–.28	49S–4.0	126E–6.0	10	6.2b,5.9		
NEIC	XI	23 18 42 13.6–.98	49.17S–.10	126.2E–.20	10–1	4.5b,5.9		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(428) Southwest Indian Ridge

ISC	**XI**	**23 20 48 28.6–.22**	**34.04S–.04**	**55.84E–.05**	**10**	**5.3b,4.7s**	**907**	**12-174**
IDC	XI	23 20 48 26.6–.36	34.05S	55.95E	0	5.1L,4.9b		**¶621452727**
BJI	XI	23 20 48 26.0	34.00S	55.80E	10	5.6b,5.1s		
MOS	XI	23 20 48 27.1–.92	34.03S	55.93E	10	5.5b,4.6s		
NEIC	XI	23 20 48 28.8	33.91S	55.80E	12	5.3,4.6s		

NEIC XI 23 20 48 28.4 34.01S 55.80E 10 5.3,4.6s
GFZ XI 23 20 48 28.9–.11 34S–2.0 56E–3.0 10 5.7b,5.6
NEIC XI 23 20 48 28.4–1.5 34.00S–.07 55.8E–.10 10–1 5.4b,5.3
NEIC XI 23 20 48 28.4 34.01S 55.80E 10 5.4b,5.3
GCMT XI 23 20 48 30.8–.10 34.00S–.01 55.78E–.01 12 5.3W,5.3
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.82 $M_{\theta\theta}$1.05 $M_{\phi\phi}$-0.23 $M_{r\theta}$-0.19 $M_{\theta\phi}$0.51 $M_{\phi r}$0.14 NP1:ϕ_s229.77000°,δ45.37000° ,λ-121.00000°. NP2:ϕ_s90.30000°,δ52.41000°,λ-62.45000°. Principal axes: T 1.2373,Plg4.0000°,Azm161.0000°; N -0.3346,Plg21.0000°,Azm253.0000° ; P -0.9027,Plg68.0000°,Azm62.0000° $M_0$1.11000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.76 $M_{\theta\theta}$1.03 $M_{\phi\phi}$-0.27 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.72 $M_{\phi r}$0.32 NP1:ϕ_s97.54000°,δ52.59000°,λ-41.59000°. NP2:ϕ_s215.88000°,δ58.18000° ,λ-134.36000°. Principal axes: T 1.3597,Plg3.0000°,Azm336.0000°; N -0.3746,Plg36.0000° ,Azm243.0000°; P -0.9851,Plg53.0000°,Azm70.0000° $M_0$1.22000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111232048A. Moment Tensor Solution. s93,c156; s140,c267;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.02 $M_{\theta\theta}$1.04±.01; $M_{\phi\phi}$-0.02±.02; $M_{r\theta}$0.35±.04; $M_{\theta\phi}$0.61±.01; $M_{\phi r}$-0.07±.04; Best double couple: NP1:ϕ_s51.00000° ,δ40.00000°,λ-112.00000°. NP2:ϕ_s259.00000°,δ54.00000°,λ-72.00000°. Principal axes: T 1.3520,Plg7.0000°,Azm336.0000°; N -0.2450,Plg14.0000°,Azm68.0000° ; P -1.1090,Plg74.0000°,Azm221.0000° $M_0$1.23100×10^{17}

(181) Fiji Islands region

ISC	**XI**	**24 04 17 54.4–.31**	**16.92S–.06**	**175.32E–.05**	**10**	**5.0b,4.9s**	**352**	**3-147**
IDC	XI	24 04 17 50.8–.53	16.88S	175.09E	0	4.8s,4.5b		**¶621452743**
MOS	XI	24 04 17 52.2–1.8	16.88S	175.24E	10	5.4b,4.5b		
NEIC	XI	24 04 17 52.7–1.6	16.81S–.09	175.29E–.06	10–1	5.3b,5.3		
BJI	XI	24 04 17 53.8	16.30S	175.41E	6	5.6b,5.2s		
GFZ	XI	24 04 17 55.0	17.04S	175.22E	22	5.4W,5.2s		
GFZ	XI	24 04 17 55.3–.28	17S–6.0	175E–4.0	10	5.7b,5.6		
NOU	XI	24 04 17 56.0	16.93S	175.37E	29	5.0b,5.6		
GCMT	XI	24 04 17 56.8–.10	16.92S–.01	175.16E–.01	15–0	5.3W,5.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.29 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$0.89 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.86 $M_{\phi r}$-0.54 NP1: ϕ_s152.12942°,δ77.24559°,λ158.19945°. NP2:ϕ_s247.17584°,δ68.76382°,λ13.70106°. Principal axes: T 1.4300,Plg24.3452°,Azm108.2346°; N 0.0807,Plg64.9005°,Azm303.2327° ; P -1.5108,Plg5.7400°,Azm200.8414° $M_0$1.47205×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240417A. Moment Tensor Solution. s98,c164; s146,c263;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.02 $M_{\theta\theta}$-0.37±.02; $M_{\phi\phi}$0.37±.02; $M_{r\theta}$-0.05±.05; $M_{\theta\phi}$1.11±.02; $M_{\phi r}$-0.10±.05; Best double couple: NP1: ϕ_s261.00000°,δ85.00000°,λ3.00000°. NP2:ϕ_s171.00000°,δ87.00000°,λ175.00000°. Principal axes: T 1.1850,Plg5.0000°,Azm126.0000°; N -0.0180,Plg84.0000°,Azm317.0000° ; P -1.1680,Plg1.0000°,Azm216.0000° $M_0$1.17600×10^{17}

(181) Fiji Islands region

ISC	**XI**	**24 04 29 02.5–.32**	**16.79S–.06**	**175.18E–.05**	**10**	**4.8b,4.8s**	**293**	**3-173**
IDC	XI	24 04 29 00.8–.56	16.88S	175.09E	0	4.7s,4.5b		**¶621452744**
NEIC	XI	24 04 29 01.9–1.2	16.69S–.09	175.18E–.07	10–1	5.4,5.2b		
BJI	XI	24 04 29 02.8	16.20S	175.33E	7	5.4b,5.2s		
GFZ	XI	24 04 29 02.9–.23	17S–5.0	175E–3.0	10	5.9b,5.5		
GCMT	XI	24 04 29 05.2–.10	16.91S–.01	175.17E–.01	16–0	5.4W,5.5		
NOU	XI	24 04 29 12.1	17.02S	174.74E	54	4.8b,5.5		

ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=12.6km az=5.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.4km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240429A. Moment Tensor Solution. s96,c144; s151,c302;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.02 $M_{\theta\theta}$-0.28±.02; $M_{\phi\phi}$0.35±.02; $M_{r\theta}$-0.05±.06; $M_{\theta\phi}$1.54±.02; $M_{\phi r}$0.16±.06; Best double couple: NP1:ϕ_s84.00000° ,δ84.00000°,λ-2.00000°. NP2:ϕ_s174.00000°,δ88.00000°,λ-174.00000°. Principal axes: T 1.6110,Plg3.0000°,Azm309.0000°; N -0.0590,Plg84.0000°,Azm190.0000° ; P -1.5520,Plg5.0000°,Azm39.0000° $M_0$1.58200×10^{17}
NOU Fiji Islands Region.

(49) Gulf of California

ISC	**XI**	**24 04 37 19.4–1.2**	**29.83N–.03**	**113.76W–.03**	**2–8**	**4.7b,4.4s**	**270**	**1-104**
NEIC	XI	24 04 37 20.9–1.5	29.83N–.04	113.86W–.05	10–1	4.7,4.7b		**¶621452733**
NEIC	XI	24 04 37 20.9	29.83N	113.86W	10	4.7,4.7b		
IDC	XI	24 04 37 20.1–.88	29.67N	113.51W	0	4.3b,4.3s		
ECX	XI	24 04 37 21.0–.34	29.82N	113.74W	20–5	4.4L,4.3s		
MEX	XI	24 04 37 21.5–.63	29.90N	113.75W	5–9	4.5,4.3s		
GCMT	XI	24 04 37 23.7–.20	30.01N–.03	113.68W–.01	12	4.9W,4.3s		
GFZ	XI	24 04 37 23.7–.33	30N–3.0	114W–4.0	10	5.9b,5.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.07 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$1.09 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.20 $M_{\phi r}$-0.04 NP1:ϕ_s170.64000°,δ45.40000°,λ-119.75000°. NP2:ϕ_s29.78000° ,δ51.82000°,λ-63.29000°. Principal axes: T 1.1272,Plg3.0000°,Azm101.0000° ; N 0.1197,Plg21.0000°,Azm193.0000°; P -1.2469,Plg69.0000°,Azm2.0000° $M_0$1.19000×10^{16}
NEIC Event type se.
ECX Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240437A. Moment Tensor Solution. s27,c34; s103,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.56±.07 $M_{\theta\theta}$0.13±.07; $M_{\phi\phi}$2.44±.05; $M_{r\theta}$0.71±.34; $M_{\theta\phi}$0.48±.05; $M_{\phi r}$-0.07±.21; Best double couple: NP1:ϕ_s357.00000°,δ46.00000° ,λ-110.00000°. NP2:ϕ_s205.00000°,δ48.00000°,λ-70.00000°. Principal axes: T 2.5360,Plg1.0000°,Azm281.0000°; N 0.2150,Plg14.0000°,Azm12.0000° ; P -2.7440,Plg76.0000°,Azm188.0000° $M_0$2.64000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	**XI**	**24 05 44 43.9–.77**	**36.37N–.05**	**141.63E–.06**	**29–4**	**4.6b,3.9s**	**153**	**1-155**
IDC	XI	24 05 44 38.9–.71	36.27N	141.64E	0	4.1b,4.1		**¶621452752**
JMA	XI	24 05 44 42.1–.04	36.2N–.20	141.8E–.20	18–1	4.4,4.2		
NIED	XI	24 05 44 42.1	36.23N	141.79E	18	4.3W,4.2		
MOS	XI	24 05 44 43.2–1.1	36.37N	141.78E	48	4.7b,4.2		
NEIC	XI	24 05 44 44.5–2.5	36.40N–.07	141.7E–.10	35–1	4.6b,4.2		
GFZ	XI	24 05 44 46.5–.40	36N–5.0	142E–6.0	41	6.1,6.0		
BJI	XI	24 05 44 48.1	36.69N	141.00E	40	5.0b,4.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=10.5km az=105.0.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.14 $M_{\theta\theta}$0.27 $M_{\phi\phi}$-2.41 $M_{r\theta}$0.77 $M_{\theta\phi}$-1.02 $M_{\phi r}$2.62 NP1:ϕ_s202.00000°,δ21.00000°,λ95.00000°. NP2:ϕ_s17.00000° ,δ69.00000°,λ88.00000°. $M_0$3.66000×10^{15}
MOS Error ellipse: s-maj=12.4km s-min=6.4km az=117.4.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.9km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(181) Fiji Islands region

ISC	**XI**	**24 05 53 48.5–.25**	**16.93S–.04**	**175.28E–.04**	**10**	**5.2s,5.1b**	**607**	**3-157**
BJI	XI	24 05 53 46.6	16.52S	175.68E	9	5.6b,5.4s		**¶621452749**
MOS	XI	24 05 53 47.3–1.5	16.99S	175.17E	12	5.5b,5.1s		
IDC	XI	24 05 53 47.2–.46	16.95S	175.02E	0	5.0s,4.6b		
GFZ	XI	24 05 53 48.3–.20	17S–5.0	175E–3.0	10	5.8,5.8b		
NEIC	XI	24 05 53 48.1–1.5	16.96S–.04	175.22E–.02	10–1	5.6,5.5b		
NEIC	XI	24 05 53 48.1	16.96S	175.22E	10	5.6,5.5b		
GFZ	XI	24 05 53 48.3	16.95S	175.17E	15	5.6W,5.5b		
BGR	XI	24 05 53 50.9	17.80S	176.58E	33	5.0s,5.5b		
PTWC	XI	24 05 53 51	16.90S	175.20E		5.8,5.5b		
NOU	XI	24 05 53 51.3	16.85S	175.24E	32	5.2b,5.5b		
GCMT	XI	24 05 53 53.8–.10	16.89S–.01	175.16E–.01	16–0	5.6W,5.5b		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.78 $M_{\theta\phi}$3.21 $M_{\phi r}$-0.17 NP1:ϕ_s4.28000°,δ76.12000°,λ-177.29000°. NP2:ϕ_s273.63000°,δ87.37000° ,λ-13.89000°. Principal axes: T 3.3862,Plg8.0000°,Azm320.0000°; N -0.0883,Plg76.0000° ,Azm83.0000°; P -3.2980,Plg12.0000°,Azm228.0000° $M_0$3.34000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.44 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$0.98 $M_{r\theta}$0.74 $M_{\theta\phi}$2.74 $M_{\phi r}$0.08 NP1: ϕ_s352.57485°,δ74.57774°,λ-176.30834°. NP2:ϕ_s261.59186°,δ86.44144°,λ-15.45279°. Principal axes: T 3.1402,Plg8.2882°,Azm308.0615°; N -0.3839,Plg74.1525°,Azm68.9371° ; P -2.7562,Plg13.4108°,Azm216.0711° $M_0$2.96690×10^{17}
BGR Event type ke.
PTWC FIJI REGION.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240553A. Moment Tensor Solution. s124,c237; s161,c338;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.03 $M_{\theta\theta}$-0.90±.03; $M_{\phi\phi}$0.99±.03; $M_{r\theta}$-0.12±.09; $M_{\theta\phi}$2.97±.03; $M_{\phi r}$0.08±.09; Best double couple: NP1: ϕ_s171.00000°,δ88.00000°,λ-178.00000°. NP2:ϕ_s81.00000°,δ88.00000°,λ-2.00000°. Principal axes: T 3.1630,Plg0.0000°,Azm126.0000°; N -0.0840,Plg87.0000°,Azm217.0000° ; P -3.0790,Plg3.0000°,Azm36.0000° $M_0$3.12100×10^{17}

(228) Near east coast of eastern Honshu

ISC	**XI**	**24 08 06 33.7–.33**	**39.33N–.03**	**142.07E–.04**	**47–2**	**4.9b,3.8s**	**523**	**0-145**
BJI	XI	24 08 06 31.0	39.24N	142.25E	49	5.2b,5.0b		**¶621452759**
MOS	XI	24 08 06 33.0–.91	39.40N	142.01E	52	5.0b,5.0b		
JMA	XI	24 08 06 34.0–.07	39.3N–.20	142.1E–.30	48–0	4.7,4.6W		
NIED	XI	24 08 06 34.0	39.33N	142.09E	48	4.6W,4.6W		
IDC	XI	24 08 06 35.6–1.8	39.33N	141.91E	64–15	4.6,4.3b		
GFZ	XI	24 08 06 36.0–.30	39N–4.0	142E–5.0	54–2	5.7,5.6b		
NEIC	XI	24 08 06 36.2–1.4	39.42N–.06	141.9E–.10	60–5	4.8b,5.6b		

ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.48 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-4.73 $M_{r\theta}$2.58 $M_{\theta\phi}$-1.68 $M_{\phi r}$5.17 NP1:ϕ_s196.00000°,δ22.00000°,λ82.00000°. NP2:ϕ_s25.00000° ,δ68.00000°,λ93.00000°. $M_0$7.92000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(664) Southeastern China

ISC	**XI**	**24 09 16 40.1–.31**	**26.89N–.03**	**106.68E–.03**	**10**	**4.7b,3.3s**	**288**	**0-148**
IDC	XI	24 09 16 37.6–.57	26.84N	106.75E	0	4.6L,4.3b		**¶621453093**
BJI	XI	24 09 16 38.6	26.84N	106.71E	10	4.8b,4.6b		
MOS	XI	24 09 16 38.4–1.0	26.80N	106.74E	17	4.8b,4.6b		
NEIC	XI	24 09 16 40.0–1.1	26.90N–.07	106.69E–.09	10–1	4.9b,4.6b		
GFZ	XI	24 09 16 40.3–.24	27N–4.0	107E–3.0	10	5.5b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(243) Taiwan region

ISC	**XI**	**24 09 55 18.7–.47**	**23.99N–.02**	**122.45E–.02**	**32–3**	**5.0b,4.4s**	**848**	**0-167**
BKK	XI	24 09 55 12.5–3.1	24N–25	123E–16	34–39	5.1,4.8L		**¶621453086**
BJI	XI	24 09 55 15.9	24.07N	122.45E	14	5.2b,5.0L		
NIED	XI	24 09 55 17.8	23.94N	122.44E	22	5.1W,5.0L		
JMA	XI	24 09 55 17.8–.23	24N–1.0	122.4E–.50	22–4	5.2,5.0W		
NEIC	XI	24 09 55 18.6–1.5	24.01N–.05	122.45E–.05	26–4	5.1b,4.9		
NEIC	XI	24 09 55 18.4	24.02N	122.44E	24	5.1b,4.9		
TAP	XI	24 09 55 19.0	24.06N	122.41E	27–0	5.3L,4.9		
GCMT	XI	24 09 55 19.2–.20	23.86N–.01	122.38E–.01	38–0	5.0W,4.9		
GFZ	XI	24 09 55 19.1–.55	24N–3.0	122E–2.0	27–3	5.6b,5.1b		
IDC	XI	24 09 55 20.5–1.3	24.14N	122.58E	48–12	4.6,4.4b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.01 $M_{\theta\theta}$-2.87 $M_{\phi\phi}$1.86 $M_{r\theta}$3.14 $M_{\theta\phi}$0.13 $M_{\phi r}$1.97 NP1:ϕ_s313.00000°,δ30.00000°,λ164.00000°. NP2:ϕ_s57.00000° ,δ82.00000°,λ61.00000°. $M_0$4.46000×10^{16}
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.0km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.69 $M_{\theta\theta}$-1.69 $M_{\phi\phi}$1.00 $M_{r\theta}$2.15 $M_{\theta\phi}$1.32 $M_{\phi r}$1.12 NP1:ϕ_s331.01000°,δ38.14000°,λ166.75000°. NP2:ϕ_s71.50000°,δ81.86000° ,λ52.61000°. Principal axes: T 3.2067,Plg41.0000°,Azm307.0000°; N -0.1543,Plg37.0000° ,Azm78.0000°; P -3.0524,Plg27.0000°,Azm190.0000° $M_0$3.13000×10^{16}
NEIC Event type se.
TAP C.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240955A. Moment Tensor Solution. s70,c92; s101,c160; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.60±.13 $M_{\theta\theta}$-3.51±.08; $M_{\phi\phi}$0.90±.09; $M_{r\theta}$2.33±.10; $M_{\theta\phi}$0.04±.07; $M_{\phi r}$1.33±.10; Best double couple: NP1:ϕ_s295.00000°,δ31.00000° ,λ132.00000°. NP2:ϕ_s69.00000°,δ67.00000°,λ68.00000°. Principal axes: T 3.9270,Plg61.0000°,Azm305.0000°; N 0.3910,Plg20.0000°,Azm78.0000° ; P -4.3260,Plg19.0000°,Azm175.0000° $M_0$4.12700×10^{16}
GFZ Error ellipse: s-maj=5.7km s-min=5.0km az=174.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=13.7km s-min=10.3km az=72.0.

(177) Kermadec Islands region

ISC	**XI**	**24 14 04 43.6–.38**	**29.69S–.06**	**176.64W–.07**	**21**	**4.8b,4.5s**	**207**	**1-158**
NOU	XI	24 14 04 37.3	30.08S	175.99W	11	4.9b,4.5s		**¶621883585**
BJI	XI	24 14 04 40.5	29.28S	176.10W	12	5.6b,5.2b		
GFZ	XI	24 14 04 41.7–.31	30S–4.0	177W–5.0	10	6.0,6.0		
IDC	XI	24 14 04 41.2–.59	29.59S	176.88W	0	4.5b,4.5		
NEIC	XI	24 14 04 42.3–.98	29.65S–.09	176.6W–.10	10–1	4.9b,4.5		
GCMT	XI	24 14 04 46.9–.30	29.46S–.03	176.24W–.02	18–0	4.9W,4.5		

ISC Event type se.
NOU Kermadec Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111241404A. Moment Tensor Solution. s40,c52; s95,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.94±.15 $M_{\theta\theta}$-0.53±.09; $M_{\phi\phi}$-2.41±.10; $M_{r\theta}$0.42±.27; $M_{\theta\phi}$-0.45±.06; $M_{\phi r}$1.27±.21; Best double couple: NP1:ϕ_s191.00000°,δ32.00000° ,λ87.00000°. NP2:ϕ_s15.00000°,δ58.00000°,λ92.00000°. Principal axes: T 3.2520,Plg77.0000°,Azm291.0000°; N -0.4270,Plg2.0000°,Azm194.0000° ; P -2.8200,Plg13.0000°,Azm103.0000° $M_0$3.03600×10^{16}

(189) Southeast of Loyalty Islands

ISC	**XI**	**24 14 38 38.4–.36**	**22.83S–.05**	**172.26E–.05**	**35**	**4.7b,4.2s**	**188**	**4-151**
IDC	XI	24 14 38 32.6–.53	22.67S	172.21E	0	4.4b,4.4		**¶621460249**
BJI	XI	24 14 38 33.6	22.80S	172.10E	10	5.3b,4.8b		
NEIC	XI	24 14 38 34.6–1.3	22.74S–.08	172.21E–.04	10–1	4.8b,4.8b		
GFZ	XI	24 14 38 35.5–.31	23S–5.0	172E–5.0	10	6.3b,6.0		

GCMT XI 24 14 38 40.2–.30 22.88S–.02 172.19E–.02 30–0 5.0W,6.0
NOU XI 24 14 38 40.3 22.86S 172.24E 54 4.7b,6.0
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=12.2km az=164.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=3.6km az=157.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=12.4km s-min=9.3km az=147.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111241438A. Moment Tensor Solution. s43,c54; s81,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.00±.17 $M_{\theta\theta}$-3.30±.10; $M_{\phi\phi}$0.31±.10; $M_{r\theta}$1.65±.16; $M_{\theta\phi}$0.02±.07; $M_{\phi r}$0.24±.16; Best double couple: NP1:ϕ_s275.00000°,δ31.00000°,λ98.00000°. NP2:ϕ_s86.00000°,δ59.00000°,λ85.00000°. Principal axes:
T 3.4250,Plg76.0000°,Azm342.0000°; N 0.2920,Plg4.0000°,Azm88.0000°
; P -3.7060,Plg14.0000°,Azm179.0000° $M_0$3.56600×10^{16}
NOU Southeast of Loyalty Islands.

(135) Near coast of central Chile

ISC	**XI**	**24 22 03 08.6–1.3**	**36.50S–.03**	**73.76W–.04**	**11–8**	**4.6b,3.7s**	**232**	**1-169**
SJA	XI	24 22 03 01.7–.56	36.43S	74.27W	6–3	4.0L,4.0W	**¶621460294**	
IDC	XI	24 22 03 07.5–.68	36.46S	73.82W	0	4.3b,4.3		
NEIC	XI	24 22 03 08.9	36.49S	73.74W	12	4.3b,4.3		
NEIC	XI	24 22 03 08.8–1.3	36.49S–.05	73.76W–.06	12–4	4.7b,4.3L		
VAO	XI	24 22 03 10.3–.75	36.46S	73.46W	10	4.7b,4.3L		
GUC	XI	24 22 03 10.9–.67	36.64S	73.68W	42–1	4.3L,4.3L		
GFZ	XI	24 22 03 10.6–.36	36S–2.0	73W–5.0	10	5.6b,5.1		

ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.47 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$0.13 $M_{r\theta}$-1.17 $M_{\theta\phi}$1.58 $M_{\phi r}$2.03 NP1:ϕ_s87.62000°,δ30.80000°,λ34.53000°. NP2:ϕ_s327.03000°,δ73.13000°
,λ116.15000°. Principal axes: T 2.9376,Plg54.0000°,Azm269.0000°; N 0.4988,Plg25.0000°
,Azm139.0000°; P -3.4364,Plg24.0000°,Azm37.0000° $M_0$3.22000×10^{15}
VAO Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(184) Santa Cruz Islands

ISC	**XI**	**25 12 04 07.6–.39**	**10.78S–.03**	**166.42E–.03**	**24–2**	**6.4s,6.1b**	**1275**	**4-170**
IDC	XI	25 12 04 03.2–.36	10.82S	166.40E	0	6.1s,5.1b	**¶621468756**	
BJI	XI	25 12 04 03.8	10.60S	166.35E	10	6.5s,6.3		
ISC-P	XI	25 12 04 05	10.75S	166.51E	17–0	6.4,6.3		
NEIC	XI	25 12 04 05.7–1.9	10.75S–.05	166.51E–.07	10–1	6.4,6.4b		
NEIC	XI	25 12 04 05.7	10.77S	166.47E	6	6.4,6.4b		
PTWC	XI	25 12 04 06	10.70S	166.40E	10	6.5,6.4b		
GFZ	XI	25 12 04 06.3	10.80S	166.36E	10	6.2W,6.4b		
GFZ	XI	25 12 04 06.3–.11	11S–2.0	166E–2.0	10	6.7L,6.6b		
MOS	XI	25 12 04 07.1–1.0	10.70S	166.27E	19	6.1s,6.0b		
NOU	XI	25 12 04 08.7	10.66S	166.29E	27	5.8,6.0b		
IPGP	XI	25 12 04 10.0	10.75S	166.49E	4	6.4W,6.0b		
GCMT	XI	25 12 04 11.1–.00	10.70S	166.33E	12	6.3W,6.0b		
NEIC	XI	25 12 04 16.9	10.77S	166.27E	12	6.1,6.0b		

ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=9.3km az=75.0.
ISC-P Moment Tensor Solution. s39 Moment tensor: Scale 10^{18}Nm; M_{rr}0.01±.10 $M_{\theta\theta}$0.51±.24; $M_{\phi\phi}$-0.47±.17; $M_{r\theta}$0.20±.23; $M_{\theta\phi}$-0.09±.16; $M_{\phi r}$-0.46±.14; NP1:ϕ_s157.60000°,δ79.30000°
,λ12.80000°. NP2:ϕ_s65.20000°,δ77.40000°,λ169.00000°. $M_0$4.32000×10^{18}
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.9km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.00 $M_{\theta\theta}$1.05 $M_{\phi\phi}$-0.05 $M_{r\theta}$-0.21 $M_{\theta\phi}$-2.22 $M_{\phi r}$0.93 NP1:
ϕ_s167.88931°,δ77.05951°,λ-30.26111°. NP2:ϕ_s265.33315°,δ60.58427°,λ-165.10300°.
Principal axes: T 2.9328,Plg10.8910°,Azm219.4301°; N -0.7913,Plg57.3309°,Azm326.8914°
; P -2.1414,Plg30.3738°,Azm122.9553° $M_0$2.62802×10^{18}
GFZ Error ellipse: s-maj=5.4km s-min=4.3km az=143.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=6.9km s-min=5.7km az=107.5.
NOU Santa Cruz Islands.
IPGP Moment Tensor Solution. NP1:ϕ_s80.00000°,δ53.00000°,λ-162.00000°. NP2:ϕ_s339.00000°
,δ76.00000°,λ-39.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111251204A. Moment Tensor Solution. s166,c400; s170,c677;Duration: 3s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.18±.01 $M_{\theta\theta}$1.67±.01; $M_{\phi\phi}$-0.49±.01; $M_{r\theta}$0.79±.03; $M_{\theta\phi}$-3.00±.01; $M_{\phi r}$0.04±.03; Best double couple: NP1:ϕ_s169.00000°,δ72.00000°,λ-8.00000°. NP2:ϕ_s262.00000°,δ83.00000°,λ-162.00000°.
Principal axes: T 3.8560,Plg7.0000°,Azm35.0000°; N -1.1040,Plg71.0000°,Azm284.0000°
; P -2.7530,Plg18.0000°,Azm127.0000° $M_0$3.30400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09 $M_{\theta\theta}$0.91 $M_{\phi\phi}$-0.82 $M_{r\theta}$-0.17 $M_{\theta\phi}$-1.41 $M_{\phi r}$0.06 NP1:ϕ_s344.35000°,δ85.40000°
,λ3.29000°. NP2:ϕ_s254.09000°,δ86.72000°,λ175.39000°. Principal axes:
T 1.7158,Plg6.0000°,Azm209.0000°; N -0.1098,Plg84.0000°,Azm39.0000°
; P -1.6060,Plg1.0000°,Azm299.0000° $M_0$1.66000×10^{18}

(705) Off west coast of northern Sumatera

ISC	**XI**	**25 15 22 47.1–2.0**	**0.89N–.05**	**96.36E–.06**	**10–12**	**3.9b**	**52**	**1-61**
IDC	XI	25 15 22 45.3–1.5	0.75N	96.34E	0	3.6b,3.6	**¶621618713**	
DJA	XI	25 15 22 48.8–.80	1N–3.0	96E–4.0	24–10	5.5b,5.0		

ISC Event type se.

(294) Myanmar-India border region

ISC	**XI**	**25 23 45 40.9–.18**	**22.74N–.02**	**93.53E–.02**	**43–1**	**6.0b,5.9s**	**3022**	**2-165**
BJI	XI	25 23 45 38.4	22.60N	93.24E	50	6.2s,6.1b	**¶621468845**	
MOS	XI	25 23 45 38.9–1.1	22.74N	93.55E	39	6.2b,5.7s		
IDC	XI	25 23 45 39.9–1.1	22.73N	93.59E	35–8	5.7,5.6s		
NDI	XI	25 23 45 40.6–4.2	22.75N	93.32E	39–21	6.1L,6.0W		
NEIC	XI	25 23 45 40.6	22.79N	93.51E	33	6.1L,6.0W		
NEIC	XI	25 23 45 40.6	22.79N	93.51E	33	6.1L,6.0W		
ISC-P	XI	25 23 45 41	22.82N	93.51E	47–0	6.4,6.0W		
IPGP	XI	25 23 45 41.0	22.80N	93.50E	56	6.1W,6.0W		
NEIC	XI	25 23 45 41.8–1.8	22.82N–.04	93.51E–.06	43–3	6.2,6.1b		
BKK	XI	25 23 45 42.1–1.2	23N–6.0	93E–9.0	73–8	6.9L,6.7		
PTWC	XI	25 23 45 42	22.60N	93.40E	50	6.2,6.7		
GFZ	XI	25 23 45 42.4	22.76N	93.50E	55	6.1W,6.7		
GFZ	XI	25 23 45 42.4–.11	23N–1.0	93E–1.0	47–1	6.4L,6.3b		
NEIC	XI	25 23 45 43.4	22.69N	92.64E	46	6.2,6.3b		
GCMT	XI	25 23 45 44.7–.10	22.62N	93.43E	42–0	6.2W,6.3b		
BGR	XI	25 23 45 45.8	23.12N	93.02E	33	5.5b,6.3b		

ISC Event type ke.
MOS Error ellipse: s-maj=5.4km s-min=3.2km az=121.8.
IDC Error ellipse: s-maj=10.1km s-min=7.9km az=40.0.
NDI Event type se. Error ellipse: s-maj=14.1km s-min=16.0km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se.
ISC-P Moment Tensor Solution. s44 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08±.32 $M_{\theta\theta}$-0.47±.24; $M_{\phi\phi}$0.59±.20; $M_{r\theta}$0.25±.29; $M_{\theta\phi}$-0.25±.16; $M_{\phi r}$0.29±.17; NP1:ϕ_s236.90000°,δ60.60000°
,λ350.00000°. NP2:ϕ_s331.90000°,δ81.30000°,λ-150.20000°. $M_0$5.50000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s241.00000°,δ75.00000°,λ9.00000°. NP2:ϕ_s148.00000°
,δ81.00000°,λ164.00000°.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.1km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.03 $M_{\theta\theta}$-2.02 $M_{\phi\phi}$1.99 $M_{r\theta}$-0.07 $M_{\theta\phi}$1.45 $M_{\phi r}$-0.67 NP1:ϕ_s243.75000°,δ77.61000°,λ7.88000°. NP2:ϕ_s152.05000°,δ82.30000°
,λ167.49000°. Principal axes: T 2.6276,Plg14.0000°,Azm107.0000°; N -0.1288,Plg75.0000°
,Azm301.0000°; P -2.4988,Plg3.0000°,Azm198.0000° $M_0$2.57000×10^{18}
PTWC MYANMAR-INDIA BORDER REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.26 $M_{\theta\theta}$-1.27 $M_{\theta\phi}$1.53 $M_{r\theta}$0.35 $M_{\theta\theta}$0.55 $M_{\phi r}$-0.85 NP1:
ϕ_s327.62934°,δ87.84094°,λ-148.36316°. NP2:ϕ_s236.29972°,δ58.38821°,λ-2.53547°.
Principal axes: T 1.9206,Plg20.1207°,Azm97.5072°; N -0.3244,Plg58.2972°,Azm331.1286°
; P -1.5962,Plg23.4081°,Azm196.6327° $M_0$1.78071×10^{18}
GFZ Error ellipse: s-maj=3.5km s-min=2.2km az=33.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.22 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$2.19 $M_{r\theta}$-0.00 $M_{\theta\phi}$0.86 $M_{\phi r}$-0.39 NP1:ϕ_s236.60000°,δ82.55000°
,λ4.26000°. NP2:ϕ_s146.04000°,δ85.78000°,λ172.53000°. Principal axes:
T 2.4176,Plg8.0000°,Azm101.0000°; N -0.2729,Plg81.0000°,Azm297.0000°
; P -2.1447,Plg2.0000°,Azm191.0000° $M_0$2.29000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111252345A. Moment Tensor Solution. s164,c349; s169,c650;Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.21±.01 $M_{\theta\theta}$-1.80±.01; $M_{\phi\phi}$2.02±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$1.02±.01; $M_{\phi r}$-0.75±.02; Best double couple: NP1:ϕ_s240.00000°,δ70.00000°,λ1.00000°. NP2:ϕ_s149.00000°,δ89.00000°,λ160.00000°.
Principal axes: T 2.4470,Plg14.0000°,Azm103.0000°; N -0.2880,Plg70.0000°,Azm327.0000°
; P -2.1530,Plg13.0000°,Azm196.0000° $M_0$2.30000×10^{18}
BGR Event type ke.

(211) Southeast of Honshu

ISC	**XI**	**26 07 14 04.7–.37**	**28.93N–.03**	**142.27E–.03**	**15–1**	**5.5b,5.4s**	**1432**	**2-169**
BJI	XI	26 07 14 01.2	29.02N	142.28E	10	5.7s,5.6b	**¶621469758**	
IDC	XI	26 07 14 02.1–.35	28.80N	142.22E	0	5.2b,5.2s		
KEA	XI	26 07 14 02.3	28.42N	142.29E	33	5.4s,5.2s		
NEIC	XI	26 07 14 03.9	28.92N	142.35E	10	5.4s,5.2s		
MOS	XI	26 07 14 03.1–1.2	28.94N	142.15E	12	5.8b,5.4s		
NEIC	XI	26 07 14 04.1–1.5	28.92N–.05	142.35E–.07	11–1	5.7b,5.5		
IPGP	XI	26 07 14 04.0	29.01N	142.37E	11	5.8W,5.5		
NEIC	XI	26 07 14 04.4	29.04N	142.39E	10	5.8W,5.5		
NEIC	XI	26 07 14 04.9	28.84N	142.62E	18	5.6,5.5		
NIED	XI	26 07 14 04.4	28.98N	142.33E	44	5.7W,5.5		
GFZ	XI	26 07 14 04.2–.20	29N–2.0	143E–3.0	10	5.9b,5.7		
JMA	XI	26 07 14 04.4–.18	29.0N–.50	142E–3.0	44	5.8,5.6W		
GFZ	XI	26 07 14 05.6	28.91N	142.15E	16	5.6W,5.6W		
BGR	XI	26 07 14 05.8	28.44N	141.61E	33	5.6s,5.3b		
GCMT	XI	26 07 14 08.4–.10	28.90N–.01	142.45E–.01	17–0	5.6W,5.3b		

ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.14 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-2.06 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.22 $M_{\phi r}$1.49 NP1:ϕ_s9.86000°,δ62.92000°,λ93.10000°. NP2:ϕ_s183.07000°,δ27.24000°
,λ83.95000°. Principal axes: T 2.6407,Plg72.0000°,Azm287.0000°; N -0.0629,Plg3.0000°
,Azm188.0000°; P -2.5778,Plg18.0000°,Azm98.0000° $M_0$2.61000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s169.00000°,δ23.00000°,λ74.00000°. NP2:ϕ_s7.00000°
,δ68.00000°,λ97.00000°.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.94 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-2.40 $M_{r\theta}$0.75 $M_{\theta\phi}$0.48 $M_{\phi r}$1.19 NP1:ϕ_s147.22000°,δ37.27000°
,λ50.61000°. NP2:ϕ_s13.12000°,δ62.09000°,λ115.78000°. Principal axes:
T 2.5791,Plg63.0000°,Azm326.0000°; N 0.1494,Plg23.0000°,Azm180.0000°
; P -2.7285,Plg13.0000°,Azm85.0000° $M_0$2.66000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.42 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-2.58 $M_{r\theta}$0.49 $M_{\theta\phi}$0.61 $M_{\phi r}$3.87 NP1:ϕ_s151.00000°,δ19.00000°,λ58.00000°. NP2:ϕ_s4.00000°
,δ74.00000°,λ100.00000°. $M_0$4.67000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-1.70 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.48 $M_{\phi r}$2.80 NP1:
ϕ_s152.18819°,δ17.13330°,λ65.72191°. NP2:ϕ_s357.45566°,δ74.42248°,λ97.22387°.
Principal axes: T 3.2459,Plg59.9530°,Azm277.6845°; N 0.0978,Plg6.9572°,Azm175.5062°
; P -3.3438,Plg29.0675°,Azm81.6169° $M_0$3.29595×10^{17}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111260714A. Moment Tensor Solution. s117,c226; s154,c318;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.37±.03 $M_{\theta\theta}$0.20±.02; $M_{\phi\phi}$-2.58±.03; $M_{r\theta}$0.05±.06; $M_{\theta\phi}$0.67±.02; $M_{\phi r}$1.92±.07; Best double couple: NP1:
ϕ_s156.00000°,δ28.00000°,λ72.00000°. NP2:ϕ_s356.00000°,δ64.00000°,λ99.00000°.
Principal axes: T 3.0520,Plg70.0000°,Azm286.0000°; N 0.2880,Plg8.0000°,Azm172.0000°
; P -3.3450,Plg18.0000°,Azm80.0000° $M_0$3.19900×10^{17}

(248) Philippine Islands region

ISC	**XI**	**26 15 47 44.4–.58**	**10.19N–.03**	**126.38E–.04**	**44–5**	**4.6b,3.8s**	**385**	**0-165**
DJA	XI	26 15 47 39.9–3.0	11N–8.0	126E–4.0	11–19	5.6b,5.4	**¶621475715**	
MAN	XI	26 15 47 40.3	10.17N	126.45E	11	5.5b,4.8s		
NEIC	XI	26 15 47 43.7–1.8	10.20N–.07	126.2E–.10	35–1	4.6b,4.8s		
IDC	XI	26 15 47 44.6–1.4	10.18N	126.29E	46–13	4.5L,4.4		
GFZ	XI	26 15 47 50.5–.69	10N–4.0	126E–5.0	96–7	4.9L,4.8b		

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(173) Tonga Islands

ISC	**XI**	**26 18 33 10.6–.24**	**15.19S–.05**	**173.08W–.04**	**29**	**5.3b,4.9s**	**695**	**2-166**
NOU	XI	26 18 33 05.5	15.15S	173.29W	0	5.4b,4.9s	**¶621475724**	
IDC	XI	26 18 33 06.9–.38	15.09S	173.44W	0	5.0b,5.0		
NEIC	XI	26 18 33 07.7–2.8	15.01S–.09	173.06W–.06	10–0	5.4b,5.0		
MOS	XI	26 18 33 07.6–1.2	15.14S	173.32W	15	5.5b,5.0s		
GFZ	XI	26 18 33 08.6–.21	15S–4.0	173W–4.0	10	5.6b,5.2b		
BGR	XI	26 18 33 09.5	16.35S	173.10W	33	5.2s,5.2b		
GCMT	XI	26 18 33 16.2–.10	14.89S–.01	172.94W–.01	12	5.6W,5.2b		

ISC Event type ke.
NOU Tonga Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111261833A. Moment Tensor Solution. s86,c121; s144,c229;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49±.01 $M_{\theta\theta}$0.51±.02; $M_{\phi\phi}$-0.02±.01; $M_{r\theta}$-2.95±.04; $M_{\theta\phi}$-0.33±.01; $M_{\phi r}$-0.35±.04; Best double couple: NP1:
ϕ_s322.00000°,δ8.00000°,λ-32.00000°. NP2:ϕ_s84.00000°,δ86.00000°,λ-97.00000°.
Principal axes: T 3.0030,Plg40.0000°,Azm181.0000°; N 0.0530,Plg7.0000°,Azm85.0000°
; P -3.0560,Plg49.0000°,Azm346.0000° $M_0$3.02900×10^{17}

(173) Tonga Islands

ISC	**XI**	**26 18 35 18.9–.28**	**15.09S–.06**	**173.22W–.06**	**10**	**5.5s,5.0b**	**317**	**2-166**
MOS	XI	26 18 35 17.6–1.5	15.14S	173.34W	10	5.4s,5.3b	**¶621476301**	
IDC	XI	26 18 35 18.5–.47	15.05S	173.46W	0	4.7b,4.7		
NEIC	XI	26 18 35 20.0–2.4	15.04S–.03	173.30W–.10	10–1	5.2b,4.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(192) New Britain region

ISC	**XI**	**27 01 44 03.1–.47**	**5.69S–.04**	**151.54E–.05**	**43–4**	**5.1b,4.7s**	**513**	**2-151**
IDC	XI	27 01 43 56.3–.43	5.53S	151.52E	0	4.7,4.6b	**¶621883599**	
GFZ	XI	27 01 43 58.8–.28	5S–4.0	152E–4.0	10	5.6b,5.3		
BJI	XI	27 01 43 59.2	6.14S	151.75E	49	5.3b,5.0s		
MOS	XI	27 01 44 01.4–1.1	5.58S	151.43E	43	5.3b,5.1s		
NEIC	XI	27 01 44 02.3–1.6	5.68S–.06	151.50E–.07	31–3	5.3b,5.3		
GCMT	XI	27 01 44 06.5–.10	5.85S–.01	151.57E–.01	32–0	5.4W,5.3		
DJA	XI	27 01 44 07.2–.50	6S–4.0	152E–4.0	78–5	5.5b,5.3		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111270144A. Moment Tensor Solution. s129,c233; s132,c239;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.02 $M_{\theta\theta}$-1.15±.01; $M_{\phi\phi}$0.09±.01; $M_{r\theta}$0.74±.03; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$-0.13±.02; Best double couple: NP1: ϕ_s235.00000°,δ33.00000°,λ61.00000°. NP2:ϕ_s89.00000°,δ62.00000°,λ107.00000°. Principal axes: T 1.3270,Plg68.0000°,Azm33.0000°; N 0.1350,Plg15.0000°,Azm260.0000° ; P -1.4620,Plg15.0000°,Azm166.0000° $M_0$1.39500×10^{17}

(193) Bougainville-Solomon Islands region

ISC	XI	27 03 45 50.9–.24	6.28S–.03	154.77E–.03	56–2	5.4b,4.5s	1003	3-153
GFZ	XI	27 03 45 46.5	6.18S	154.73E	61	5.4W,4.5s	¶621883600	
BJI	XI	27 03 45 48.5	6.20S	155.17E	58	5.3b,5.2b		
NEIC	XI	27 03 45 51.4–1.7	6.31S–.07	154.80E–.06	51–4	5.4b,5.2b		
MOS	XI	27 03 45 51.5–.99	6.28S	154.78E	73	5.5b,5.2b		
NEIC	XI	27 03 45 51.7	6.31S	154.82E	54	5.5b,5.2b		
GFZ	XI	27 03 45 52.1–.28	6S–2.0	155E–2.0	57–2	6.1L,5.6b		
NEIC	XI	27 03 45 52	6.11S	155.02E	50	5.4,5.6b		
GCMT	XI	27 03 45 53.0–.10	6.41S–.01	154.72E–.01	56–0	5.4W,5.6b		
IDC	XI	27 03 45 54.6–1.5	6.32S	154.80E	92–13	5.2,4.9b		
DJA	XI	27 03 45 57.0–.50	6S–3.0	155E–3.0	113–4	6.2,5.8b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.33 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-0.70 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.75 $M_{\phi r}$0.22 NP1: ϕ_s134.57833°,δ39.56909°,λ87.24288°. NP2:ϕ_s318.15314°,δ50.48569°,λ92.27630°. Principal axes: T 1.3581,Plg84.2621°,Azm244.4679°; N 0.0815,Plg1.7559°,Azm136.7043° ; P -1.4396,Plg5.4609°,Azm46.5364° $M_0$1.40064×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.58 $M_{r\theta}$-0.08 $M_{\theta\phi}$0.60 $M_{\phi r}$0.09 NP1:ϕ_s128.83000°,δ42.55000° ,λ89.00000°. NP2:ϕ_s310.18000°,δ47.45000°,λ90.91000°. Principal axes: T 1.4031,Plg87.0000°,Azm235.0000°; N -0.0829,Plg1.0000°,Azm130.0000° ; P -1.3202,Plg2.0000°,Azm40.0000° $M_0$1.36000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111270345A. Moment Tensor Solution. s147,c249; s144,c246;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.57±.02 $M_{\theta\theta}$-0.79±.02; $M_{\phi\phi}$-0.77±.02; $M_{r\theta}$-0.17±.01; $M_{\theta\phi}$0.97±.01; $M_{\phi r}$0.17±.01; Best double couple: NP1: ϕ_s135.00000°,δ41.00000°,λ90.00000°. NP2:ϕ_s315.00000°,δ49.00000°,λ90.00000°. Principal axes: T 1.5880,Plg86.0000°,Azm224.0000°; N 0.1850,Plg0.0000°,Azm315.0000° ; P -1.7730,Plg4.0000°,Azm45.0000° $M_0$1.68000×10^{17}

(193) Bougainville-Solomon Islands region

ISC	XI	27 18 48 06.6–.21	7.01S–.03	155.88E–.03	52–1	5.5b,4.7s	1557	4-161
GFZ	XI	27 18 48 03.2	6.96S	155.73E	48	5.3W,4.7s	¶621883601	
BJI	XI	27 18 48 04.5	6.89S	156.04E	47	5.4b,5.3b		
MOS	XI	27 18 48 04.4–.96	7.00S	155.81E	47	5.8b,5.3b		
DJA	XI	27 18 48 06.8–.40	7S–2.0	156E–3.0	61–4	6.2,5.9b		
NEIC	XI	27 18 48 06.9–1.6	7.04S–.06	155.96E–.06	49–4	5.4b,5.9b		
IDC	XI	27 18 48 07.4–1.1	7.08S	155.87E	58–9	5.3,5.0b		
GFZ	XI	27 18 48 07.4–.23	7S–2.0	156E–3.0	46–2	6.0,5.8b		
NEIC	XI	27 18 48 08.9	7.03S	155.92E	65	6.0,5.8b		
GCMT	XI	27 18 48 08.4–.10	7.18S–.01	155.82E–.01	50–0	5.3W,5.8b		
NEIC	XI	27 18 48 09.1	7.13S	156.02E	50	5.3,5.8b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}9.26 $M_{\theta\theta}$-5.74 $M_{\phi\phi}$-3.52 $M_{r\theta}$-2.16 $M_{\theta\phi}$5.27 $M_{\phi r}$-1.16 NP1: ϕ_s142.63527°,δ43.87236°,λ110.25256°. NP2:ϕ_s295.53058°,δ49.44281°,λ71.59283°. Principal axes: T 9.8701,Plg75.8148°,Azm139.8672°; N 0.1952,Plg13.8810°,Azm307.7403° ; P -10.0653,Plg2.8647°,Azm38.4488° $M_0$9.96911×10^{16}
MOS Error ellipse: s-maj=7.2km s-min=5.0km az=111.5.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.2km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.0km s-min=8.2km az=77.0.
GFZ Error ellipse: s-maj=6.1km s-min=4.5km az=68.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111271848A. Moment Tensor Solution. s132,c205; s132,c223;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.01 $M_{\theta\theta}$-0.79±.01; $M_{\phi\phi}$-0.33±.01; $M_{r\theta}$-0.23±.01; $M_{\theta\phi}$0.65±.01; $M_{\phi r}$-0.10±.01; Best double couple: NP1: ϕ_s137.00000°,δ43.00000°,λ107.00000°. NP2:ϕ_s294.00000°,δ49.00000°,λ75.00000°. Principal axes: T 1.1800,Plg78.0000°,Azm141.0000°; N 0.0830,Plg11.0000°,Azm304.0000° ; P -1.2620,Plg3.0000°,Azm35.0000° $M_0$1.22100×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}8.41 $M_{\theta\theta}$-6.86 $M_{\phi\phi}$-1.55 $M_{r\theta}$-2.88 $M_{\theta\phi}$4.58 $M_{\phi r}$-1.72 NP1:ϕ_s138.09000°,δ42.86000° ,λ118.24000°. NP2:ϕ_s281.87000°,δ53.18000°,λ66.29000°. Principal axes: T 9.5614,Plg70.0000°,Azm134.0000°; N 0.0908,Plg19.0000°,Azm297.0000° ; P -9.6522,Plg5.0000°,Azm28.0000° $M_0$9.61000×10^{16}

(207) Eastern New Guinea region

ISC	XI	27 20 36 40.1–.39	9.30S–.03	148.14E–.04	15–2	5.3b,4.3s	840	6-159
BJI	XI	27 20 36 34.5	9.43S	148.64E	10	5.5b,5.2b	¶621480538	
IDC	XI	27 20 36 37.2–.40	9.26S	148.19E	0	4.9b,4.9		
MOS	XI	27 20 36 38.6–.98	9.24S	148.09E	15	5.5b,4.9		
NEIC	XI	27 20 36 39.4–1.5	9.31S–.07	148.17E–.03	10–1	5.3b,5.1		
GFZ	XI	27 20 36 40.9	9.25S	148.06E	14	5.1W,5.1		
GFZ	XI	27 20 36 41.2–.19	9S–3.0	148E–3.0	10	5.6b,5.3b		
GCMT	XI	27 20 36 42.1–.10	9.28S–.01	148.28E–.01	13–0	5.1W,5.3b		
DJA	XI	27 20 36 45.0–.30	9S–2.0	148E–2.0	49–3	5.7b,5.4b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.98 $M_{\theta\theta}$4.54 $M_{\phi\phi}$0.44 $M_{r\theta}$-1.15 $M_{\theta\phi}$0.37 $M_{\phi r}$0.60 NP1: ϕ_s92.27993°,δ51.89794°,λ-81.14360°. NP2:ϕ_s258.10829°,δ38.96496°,λ-101.10793°. Principal axes: T 4.6974,Plg6.5152°,Azm175.9892°; N 0.4951,Plg6.9586°,Azm266.7879° ; P -5.1924,Plg80.4453°,Azm43.2645° $M_0$4.96344×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111272036A. Moment Tensor Solution. s84,c132; s117,c214;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.64±.14 $M_{\theta\theta}$5.46±.10; $M_{\phi\phi}$-0.82±.10; $M_{r\theta}$-1.62±.21; $M_{\theta\phi}$1.64±.08; $M_{\phi r}$-3.10±.30; Best double couple: NP1: ϕ_s281.00000°,δ39.00000°,λ-48.00000°. NP2:ϕ_s52.00000°,δ62.00000°,λ-118.00000°. Principal axes: T 6.3900,Plg13.0000°,Azm162.0000°; N 0.0140,Plg25.0000°,Azm66.0000° ; P -6.4050,Plg62.0000°,Azm277.0000° $M_0$6.39800×10^{16}

(122) Near coast of northern Chile

ISC	XI	27 22 44 48.4–.28	27.83S–.03	71.14W–.04	42–2	5.1b,4.0s	494	0-167
SJA	XI	27 22 44 44.7–.82	27.76S	71.44W	39	4.9L,4.9W	¶621480545	
VAO	XI	27 22 44 44.7–.36	27.88S	71.03W	10	5.1b,4.9W		
NEIC	XI	27 22 44 47.5	27.81S	71.19W	48	5.1b,4.9W		
GFZ	XI	27 22 44 47.6	27.83S	71.13W	50	4.8W,4.9W		
GUC	XI	27 22 44 48.6–.95	27.86S	71.04W	39–2	4.8L,4.9W		
GFZ	XI	27 22 44 48.6–.17	28S–1.0	71W–3.0	46–1	5.8,5.7b		
IDC	XI	27 22 44 49.0–.49	27.79S	70.85W	41–4	4.7,4.5b		
NEIC	XI	27 22 44 48.1–1.6	27.83S–.03	71.10W–.08	33–3	5.2b,4.8		
GCMT	XI	27 22 44 51.0–.40	27.93S–.03	71.12W–.03	40–0	5.0W,4.8		

ISC Event type se.
SJA Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.79 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-1.90 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.06 $M_{\phi r}$0.91 NP1: ϕ_s177.68905°,δ31.95614°,λ88.95004°. NP2:ϕ_s358.92649°,δ58.04986°,λ90.65491°. Principal axes: T 2.0047,Plg76.9402°,Azm270.9762°; N 0.1073,Plg0.5557°,Azm178.5799° ; P -2.1120,Plg13.0476°,Azm88.4511° $M_0$2.06041×10^{16}
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.79 $M_{\theta\theta}$0.25 $M_{\phi\phi}$-2.04 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.06 $M_{\phi r}$1.05 NP1:ϕ_s358.98000°,δ59.37000°,λ87.22000°. NP2:ϕ_s184.43000°,δ30.74000° ,λ94.69000°. Principal axes: T 2.0662,Plg75.0000°,Azm261.0000°; N 0.2456,Plg2.0000° ,Azm0.0000°; P -2.3118,Plg14.0000°,Azm91.0000° $M_0$2.20000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111272244A. Moment Tensor Solution. s35,c37; s57,c74; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.72±.21 $M_{\theta\theta}$-0.43±.12; $M_{\phi\phi}$-3.29±.13; $M_{r\theta}$-0.20±.09; $M_{\theta\phi}$0.56±.07; $M_{\phi r}$0.96±.11; Best double couple: NP1:ϕ_s170.00000°,δ37.00000° ,λ90.00000°. NP2:ϕ_s349.00000°,δ53.00000°,λ90.00000°. Principal axes: T 3.8510,Plg82.0000°,Azm258.0000°; N -0.3260,Plg0.0000°,Azm349.0000° ; P -3.5270,Plg8.0000°,Azm79.0000° $M_0$3.68900×10^{16}

(398) Sicily

ISC	XI	28 02 52 34.6–.85	38.67N–.03	14.19E–.02	17–5	4.5b,3.3s	508	1-126
MOS	XI	28 02 52 31.8–1.1	38.66N	14.28E	6	4.6b,3.3s	¶621480566	
IDC	XI	28 02 52 32.4–.46	38.74N	14.31E	0	4.3b,4.2		
MED_R	XI	28 02 52 32.0	38.70N	14.19E	10	4.2W,4.2		
ROM	XI	28 02 52 33.0–.18	38.695N–.01	14.150E–.01	9–1	4.2W,4.0L		
MCSM	XI	28 02 52 33.9–.50	39N–3.0	14E–3.0	10	4.3b,4.1		
PDG	XI	28 02 52 33.4–.80	38.69N	14.26E	13–1	4.1L,4.1		
NEIC	XI	28 02 52 34.2–1.2	38.66N–.04	14.35E–.07	10–1	4.5b,4.1		
NAO	XI	28 02 52 34.9	38.70N	14.19E	10	4.3b,4.1		
GFZ	XI	28 02 52 34.0–.27	39N–2.0	14E–2.0	10	5.5b,5.0		

ISC Event type se.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}2.01±.30 $M_{\theta\theta}$-2.30±.13; $M_{\phi\phi}$0.00±.37; $M_{r\theta}$-1.40±.40; $M_{\theta\phi}$-0.92±.12; $M_{\phi r}$-0.38±.59; NP1: ϕ_s70.00000°,δ29.00000°,λ87.00000°. NP2:ϕ_s254.00000°,δ61.00000°,λ92.00000°. Principal axes: T 2.4300,Plg74.0000°,Azm169.0000°; N 0.5800,Plg2.0000°,Azm73.0000° ; P -3.0100,Plg16.0000°,Azm343.0000° $M_0$2.72000×10^{15}
ROM Event type se. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.90 $M_{\theta\theta}$-2.13 $M_{\phi\phi}$1.23 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.85 $M_{\phi r}$-0.59 NP1: ϕ_s115.00000°,δ73.00000°,λ146.00000°. NP2:ϕ_s216.00000°,δ58.00000°,λ21.00000°. $M_0$2.19807×10^{15}
PDG Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(228) Near east coast of eastern Honshu

ISC	XI	28 14 54 40.5–.39	35.05N–.04	141.40E–.04	10	4.4b	189	1-148
MOS	XI	28 14 54 38.9–1.2	35.10N	141.49E	10	4.6b	¶621480813	
GFZ	XI	28 14 54 38.8–.26	35N–3.0	142E–4.0	10	5.5b,5.0		
IDC	XI	28 14 54 40.0–.55	35.01N	141.28E	0	4.1b,4.1		
NEIC	XI	28 14 54 40.6–1.6	35.07N–.05	141.51E–.08	10–1	4.5b,4.1		
JMA	XI	28 14 54 43.3–.09	35.1N–.40	141.3E–.50	9–1	4.4,4.0		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF BOSO PENINSULA .

(321) Southern Xinjiang

ISC	XI	29 06 45 58.5–.49	41.11N–.04	83.30E–.03	10	4.1b,3.9s	129	4-93
NEIC	XI	29 06 45 57.8–1.2	41.16N–.08	83.3E–.10	10–1	4.2b,3.9s	¶621626957	
IDC	XI	29 06 45 59.3–.76	41.16N	83.29E	0	4.0b,3.9		
BJI	XI	29 06 46 01.3	41.15N	83.44E	18	4.5L,4.2b		
SOME	XI	29 06 46 02.9	41.13N	83.27E	5	6.1s,4.2b		
NNC	XI	29 06 46 05.8–1.3	41.26N	83.19E	26–6	4.6b,4.4		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.9km az=226.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.3km s-min=9.3km az=61.0.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=6.3km az=139.0.

(153) South Sandwich Islands region

ISC	XI	29 08 59 42.7–.34	58.52S–.07	23.51W–.07	10	5.0b,4.0s	187	8-155
IDC	XI	29 08 59 41.3–.46	58.37S	23.39W	0	5.5L,4.6b	¶621481108	
NEIC	XI	29 08 59 42.7–.89	58.59S–.09	23.6W–.20	10–1	5.1b,4.6b		
GFZ	XI	29 08 59 43.5–.24	58S–4.0	23W–5.0	10	5.6b,5.1		
GCMT	XI	29 08 59 46.3–.30	58.49S–.02	22.91W–.03	14–2	4.9W,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111290859A. Moment Tensor Solution. s18,c21; s90,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.41±.15 $M_{\theta\theta}$-2.04±.13; $M_{\phi\phi}$2.45±.14; $M_{r\theta}$0.28±.28; $M_{\theta\phi}$2.01±.10; $M_{\phi r}$1.10±.32; Best double couple: NP1:ϕ_s67.00000°,δ76.00000° ,λ9.00000°. NP2:ϕ_s335.00000°,δ81.00000°,λ166.00000°. Principal axes: T 3.5410,Plg16.0000°,Azm291.0000°; N -0.7280,Plg74.0000°,Azm123.0000° ; P -2.8160,Plg3.0000°,Azm22.0000° $M_0$3.17800×10^{16}

(211) Southeast of Honshu

ISC	XI	29 12 40 45.8–.35	31.10N–.02	142.42E–.03	19–1	6.4b,6.4s	2485	3-169
BJI	XI	29 12 40 39.7	31.24N	142.73E	10	6.6s,6.5b	¶621494331	
PTWC	XI	29 12 40 41	31.10N	143.00E	10	6.6,6.5b		
NEIC	XI	29 12 40 43.6	31.19N	142.49E	6	6.6,6.5b		
MOS	XI	29 12 40 43.3–.91	31.14N	142.46E	15	6.6b,6.4s		
ISC-P	XI	29 12 40 44	31.20N	142.50E	21–0	6.5,6.4s		
GFZ	XI	29 12 40 44.7	31.11N	142.49E	13	6.3W,6.4s		
NEIC	XI	29 12 40 44.4–1.5	31.20N–.07	142.50E–.09	11–1	6.4,6.4b		
GFZ	XI	29 12 40 44.7–.10	31N–2.0	142E–2.0	10	6.8b,6.6		
KEA	XI	29 12 40 44.3	31.08N	142.80E	33	6.4s,6.6		
BGR	XI	29 12 40 45.9	31.28N	142.70E	33	6.9,6.4b		
IPGP	XI	29 12 40 45.0	31.20N	142.49E	7	6.5W,6.4b		
NIED	XI	29 12 40 47.1	31.29N	142.38E	90	6.2W,6.4b		
JMA	XI	29 12 40 47.1–.44	31N–2.0	142E–2.0	90	6.4,6.3W		
IDC	XI	29 12 40 48.9–1.1	31.11N	142.35E	40–8	6.3,6.2s		
NEIC	XI	29 12 40 50.8	31.09N	142.60E	26	6.3,6.2s		
GCMT	XI	29 12 40 50.5–.00	31.14N	142.44E	13–0	6.3W,6.2s		

ISC Event type ke.
PTWC IZU ISLANDS, JAPAN REGION.
NEIC Event type se.
MOS Error ellipse: s-maj=6.4km s-min=3.4km az=111.5.
ISC-P Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.53±.15 $M_{\theta\theta}$0.00±.19; $M_{\phi\phi}$0.70±.20; $M_{r\theta}$0.29±.14; $M_{\theta\phi}$0.10±.25; $M_{\phi r}$-0.14±.11; NP1:ϕ_s9.90000°,δ42.00000° ,λ303.90000°. NP2:ϕ_s147.70000°,δ56.20000°,λ-116.70000°. $M_0$6.53000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-3.39 $M_{\theta\theta}$0.24 $M_{\phi\phi}$3.15 $M_{r\theta}$0.18 $M_{\theta\phi}$-1.12 $M_{\phi r}$-0.25 NP1: ϕ_s162.70878°,δ42.54962°,λ-87.73911°. NP2:ϕ_s339.64114°,δ47.49131°,λ-92.07389°. Principal axes: T 3.5418,Plg2.4717°,Azm71.1088°; N -0.1374,Plg1.5287°,Azm341.0428° ; P -3.4043,Plg87.0933°,Azm219.3358° $M_0$3.47509×10^{18}
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=11.6km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=3.9km s-min=3.3km az=82.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
IPGP Moment Tensor Solution. NP1:ϕ_s347.00000°,δ40.00000°,λ-73.00000°. NP2:ϕ_s145.00000° ,δ52.00000°,λ-104.00000°.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.91 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$2.07 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.65 $M_{\phi r}$-0.58 NP1:ϕ_s157.00000°,δ38.00000°,λ-102.00000°. NP2:ϕ_s352.00000° ,δ53.00000°,λ-81.00000°. $M_0$2.16000×10^{18}

JMA Event type fe. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=8.9km s-min=6.5km az=51.0.
NEIC Event type se. Moment Tensor Solution.Duration: 6s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.74 $M_{\theta\theta}$0.70 $M_{\phi\phi}$3.04 $M_{r\theta}$0.12 $M_{\theta\phi}$-1.09 $M_{\phi r}$-0.94 NP1:ϕ_s155.40000°,δ37.94000° ,λ-95.06000°. NP2:ϕ_s341.80000°,δ52.23000°,λ-86.07000°. Principal axes: T 3.5853,Plg7.0000°,Azm69.0000°; N 0.2856,Plg3.0000°,Azm159.0000° ; P -3.8709,Plg82.0000°,Azm273.0000° $M_0$3.74000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111291240A. Moment Tensor Solution. s163,c392; s170,c721;Duration: 3s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.76±.02 $M_{\theta\theta}$0.15±.01; $M_{\phi\phi}$3.61±.01; $M_{r\theta}$-0.16±.03; $M_{\theta\phi}$-1.65±.01; $M_{\phi r}$1.09±.04; Best double couple: NP1:ϕ_s334.00000°,δ38.00000°,λ-97.00000°. NP2:ϕ_s162.00000°,δ53.00000°,λ-85.00000°. Principal axes: T 4.4120,Plg7.0000°,Azm249.0000°; N -0.4890,Plg4.0000°,Azm339.0000° ; P -3.9190,Plg81.0000°,Azm98.0000° $M_0$4.16600×10^{18}

(211) Southeast of Honshu

ISC	XI	**29 13 50 57.8–.36**	**31.12N–.05**	**142.38E–.06**	**37**	**4.6b**	**243**	**3-149**
IDC	XI	29 13 50 51.7–.51	30.94N	142.47E	0	4.4b,4.3		**¶621494342**
MOS	XI	29 13 50 52.6–.88	31.09N	142.46E	14	4.8b,4.3		
GFZ	XI	29 13 50 54.9–.36	31N–6.0	143E–7.0	10	6.0b,5.7		
NEIC	XI	29 13 50 54.7–1.5	31.20N–.08	142.37E–.09	10–1	4.7b,5.7		
JMA	XI	29 13 50 54.5–.22	31.1N–.90	142E–1.0	64	4.7,5.7		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .

(83) South of Panama

ISC	XI	**29 14 41 17.9–.63**	**3.80N–.04**	**78.74W–.04**	**10**	**4.4b**	**79**	**2-144**
RSNC	XI	29 14 41 17.4–.00	4N–1.0	79W–1.0	29–6	6.1b,5.8		**¶621626974**
NEIC	XI	29 14 41 19.6–2.2	3.68N–.06	78.60W–.07	10–1	4.5b,5.8		
IDC	XI	29 14 41 21.6–6.0	3.99N	78.75W	70–46	4.0,3.6b		
CATAC	XI	29 14 41 40.4–1.2	3N–8.0	77W–6.0	29–16	7.1,6.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(274) Southern Sumatera

ISC	XI	**29 15 24 28.4–.45**	**2.56S–.06**	**99.54E–.05**	**32**	**4.4b**	**162**	**1-145**
IDC	XI	29 15 24 24.0–.94	2.52S	99.57E	0	4.2b,4.2		**¶621494351**
GFZ	XI	29 15 24 25.0–.30	3S–3.0	100E–4.0	10	5.5b,5.0		
NEIC	XI	29 15 24 25.9–1.2	2.56S–.07	99.51E–.07	10–1	4.5b,5.0		
DJA	XI	29 15 24 28.7–1.8	2S–4.0	100E–4.0	36–43	5.2b,4.8		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(179) South of Kermadec Islands

ISC	XI	**29 18 23 47.1–.28**	**33.23S–.03**	**179.18W–.04**	**55–2**	**5.4b,4.8s**	**932**	**4-173**
IPGP	XI	29 18 23 32.0	33.50S	177.75W	47	5.5W,4.8s		**¶621883612**
NEIC	XI	29 18 23 41.4	33.14S	179.29W	10	5.5W,4.8s		
WEL	XI	29 18 23 42.2	33.37S	178.38W	52	6.1L,5.4W		
NEIC	XI	29 18 23 42	33.54S	178.45W	50	5.4,5.4W		
NOU	XI	29 18 23 46.4	33.38S	179.02W	55	5.4b,5.4W		
GFZ	XI	29 18 23 46.5–.25	33S–3.0	179W–2.0	36–2	5.8b,5.4b		
NEIC	XI	29 18 23 46.3–2.0	33.15S–.06	179.3W–.10	45–3	5.5b,5.4b		
MOS	XI	29 18 23 49.0–1.2	33.19S	179.55W	76	5.5b,5.4b		
GCMT	XI	29 18 23 49.6–.10	33.24S–.01	179.03W–.01	47–0	5.5W,5.4b		
IDC	XI	29 18 23 52.3–1.6	33.16S	179.42W	93–12	5.0,4.7b		

ISC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s41.00000°,δ56.00000°,λ57.00000°. NP2:ϕ_s270.00000° ,δ46.00000°,λ129.00000°.
NEIC Event type se.
WEL Stations used: BFZ BKZ CTZ DSZ GLKZ GRZ GVZ HAZ HIZ INZ KHEZ KHZ. REVERSE FAULTING. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}1.62 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-1.43 $M_{r\theta}$-0.47 $M_{\theta\phi}$-0.29 $M_{\phi r}$-0.15 NP1:ϕ_s206.00000°,δ51.00000°,λ107.00000°. NP2: ϕ_s0.00000°,δ42.00000°,λ71.00000°. Principal axes: T 1.7367,Plg76.0000°,Azm174.0000° ; N -0.2234,Plg13.0000°,Azm15.0000°; P -1.5132,Plg5.0000°,Azm284.0000° $M_0$1.64000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-1.20 $M_{r\theta}$-0.42 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.64 NP1:ϕ_s218.95000°,δ38.67000° ,λ127.92000°. NP2:ϕ_s354.01000°,δ60.47000°,λ63.82000°. Principal axes: T 1.4845,Plg64.0000°,Azm218.0000°; N -0.0589,Plg23.0000°,Azm8.0000° ; P -1.4257,Plg12.0000°,Azm103.0000° $M_0$1.46000×10^{17}
NOU South of Kermadec Islands.
GFZ Error ellipse: s-maj=6.6km s-min=4.9km az=22.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=7.5km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.1km s-min=10.3km az=112.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111291823A. Moment Tensor Solution. s126,c232; s145,c275;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.03 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-1.75±.02; $M_{r\theta}$-0.34±.02; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$1.09±.02; Best double couple: NP1: ϕ_s202.00000°,δ31.00000°,λ115.00000°. NP2:ϕ_s354.00000°,δ62.00000°,λ76.00000°. Principal axes: T 2.0360,Plg69.0000°,Azm234.0000°; N 0.0460,Plg13.0000°,Azm1.0000° ; P -2.0820,Plg16.0000°,Azm94.0000° $M_0$2.05900×10^{17}
IDC Error ellipse: s-maj=12.6km s-min=11.4km az=61.0.

(179) South of Kermadec Islands

ISC	XI	**29 18 29 50.2–.57**	**33.36S–.06**	**178.76W–.10**	**48**	**4.6b**	**117**	**4-153**
IDC	XI	29 18 29 43.6–.77	32.99S	178.95W	0	5.0L,4.7b		**¶621626987**
WEL	XI	29 18 29 48.7–.80	33S–6.0	179W–14	33	5.5b,5.3		
NEIC	XI	29 18 29 49.6–1.2	33.29S–.09	179.1W–.20	29–5	4.6b,5.3		

ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(273) Southwest of Sumatera

ISC	XI	**30 00 41 43.9–1.2**	**2.42S–.09**	**94.6E–.10**	**10**	**3.6b**	**37**	**4-148**
DJA	XI	30 00 41 38.1–2.3	3S–9.0	94E–19	10	5.6b,5.2		**¶621627002**
IDC	XI	30 00 41 42.6–2.9	2.38S	94.82E	0	3.6,3.5b		

ISC Event type se.
IDC Error ellipse: s-maj=101.6km s-min=24.4km az=61.0.

(259) Mindanao

ISC	XI	**30 00 56 07.2–.29**	**6.66N–.02**	**126.13E–.03**	**60–2**	**5.2b,4.3s**	**809**	**0-169**
BJI	XI	30 00 56 02.2	6.34N	126.56E	60	5.4b,5.2b		**¶621499075**
MAN	XI	30 00 56 05.5	6.67N	126.16E	43	5.8b,5.2s		
NEIC	XI	30 00 56 07.5–1.7	6.74N–.06	126.12E–.07	58–4	5.2b,5.2s		
GFZ	XI	30 00 56 07.3–.12	7N–2.0	126E–3.0	53	5.8L,5.5b		
NEIC	XI	30 00 56 07.6	6.72N	126.10E	59	5.8L,5.5b		
IDC	XI	30 00 56 07.2–.77	6.73N	126.13E	58–6	5.0,4.7b		
DJA	XI	30 00 56 08.3–.80	7N–8.0	126E–2.0	12–11	5.7,5.6b		
GCMT	XI	30 00 56 08.5–.10	6.82N–.01	126.10E–.01	74–1	5.2W,5.6b		
NEIC	XI	30 00 56 10.1	6.82N	126.30E	60	5.1,5.6b		

ISC Event type se.
MAN Event type fe. INTENSITY IV - CITY OF MATI; BANAYBANAY GOVERNOR GENEROSO AND TARRAGONA DAVAO ORIENTAL; MACO AND PANTUKAN DAVAO DE ORO; . INTENSITY III - CITY OF DAVAO; CITY OF TAGUM DAVAO DEL NORTE; CITY OF KORONADAL SOUTH COTABATO; LUPON AND SAN ISIDRO DAVAO ORIENTAL; SANTA MARIA DAVAO OCCIDENTAL; ROSARIO AGUSAN DEL SUR; ; . INTENSITY II - CITY OF KIDAPAWAN MAGPET AND MAKILALA COTABATO; COMPOSTELA AND NABUNTURAN DAVAO DE ORO; TUPI SOUTH COTABATO; . INTENSITY I - CITY OF GENERAL SANTOS; TANTANGAN SOUTH COTABATO.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.5km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=7.5km az=73.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111300056A. Moment Tensor Solution. s90,c144; s115,c205;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.87±.16 $M_{\theta\theta}$1.78±.14; $M_{\phi\phi}$1.08±.16; $M_{r\theta}$-1.78±.10; $M_{\theta\phi}$5.21±.13; $M_{\phi r}$5.54±.11; Best double couple: NP1:ϕ_s82.00000° ,δ46.00000°,λ-22.00000°. NP2:ϕ_s188.00000°,δ74.00000°,λ-134.00000°. Principal axes: T 7.4380,Plg17.0000°,Azm308.0000°; N 1.3510,Plg42.0000°,Azm202.0000° ; P -8.7990,Plg43.0000°,Azm56.0000° $M_0$8.11900×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.06 $M_{\theta\theta}$0.87 $M_{\phi\phi}$1.19 $M_{r\theta}$-0.97 $M_{\theta\phi}$3.69 $M_{\phi r}$4.15 NP1:ϕ_s79.22000°,δ42.36000° ,λ-21.12000°. NP2:ϕ_s185.15000°,δ75.95000°,λ-130.39000°. Principal axes: T 5.6081,Plg21.0000°,Azm304.0000°; N 0.5762,Plg39.0000°,Azm197.0000° ; P -6.1843,Plg44.0000°,Azm56.0000° $M_0$5.92000×10^{16}

(211) Southeast of Honshu

ISC	XI	**30 06 53 34.3–.36**	**31.22N–.03**	**142.42E–.03**	**20–1**	**5.7b,5.1s**	**1555**	**3-169**
BJI	XI	30 06 53 30.8	31.19N	142.28E	5	5.6b,5.4s		**¶621499117**
IDC	XI	30 06 53 31.2–.35	31.13N	142.50E	0	5.5b,5.5		
MOS	XI	30 06 53 31.0–.85	31.19N	142.48E	12	5.9b,4.9s		
GFZ	XI	30 06 53 32.3–.24	31N–2.0	143E–3.0	10	5.9b,5.6b		
GFZ	XI	30 06 53 33.3	31.19N	142.50E	10	5.3W,5.6b		
KEA	XI	30 06 53 34.9	31.13N	142.77E	33	5.2s,5.6b		
NEIC	XI	30 06 53 34.6–1.1	31.22N–.08	142.44E–.09	20–1	5.8b,5.2		
NEIC	XI	30 06 53 34.6	31.25N	142.43E	19	5.8b,5.2		
NIED	XI	30 06 53 34.3	31.27N	142.43E	62	5.2W,5.2		
JMA	XI	30 06 53 34.3–.20	31.3N–.70	142.4E–.90	62	5.4,5.3W		
NEIC	XI	30 06 53 35	31.05N	142.66E	20	5.5,5.3W		
BGR	XI	30 06 53 36.4	31.50N	142.50E	30	5.7b,4.9s		
GCMT	XI	30 06 53 36.1–.10	31.17N–.01	142.48E–.01	12	5.4W,4.9s		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.14 $M_{\theta\theta}$0.24 $M_{\phi\phi}$0.90 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.19 NP1: ϕ_s167.19451°,δ48.80745°,λ-77.88335°. NP2:ϕ_s329.13977°,δ42.63051°,λ-103.48667°. Principal axes: T 1.0358,Plg3.1270°,Azm248.6461°; N 0.1488,Plg9.0880°,Azm339.1468° ; P -1.1846,Plg80.3804°,Azm139.8424° $M_0$1.11767×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.46 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$6.50 $M_{r\theta}$-1.36 $M_{\theta\phi}$-2.37 $M_{\phi r}$4.46 NP1:ϕ_s341.00000°,δ28.00000°,λ-91.00000°. NP2:ϕ_s163.00000° ,δ62.00000°,λ-89.00000°. $M_0$8.29000×10^{16}
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.88 $M_{\theta\theta}$0.28 $M_{\phi\phi}$1.60 $M_{r\theta}$-0.99 $M_{\theta\phi}$-0.52 $M_{\phi r}$0.53 NP1:ϕ_s355.80000°,δ34.80000° ,λ-61.48000°. NP2:ϕ_s142.30000°,δ59.90000°,λ-108.36000°. Principal axes: T 1.9675,Plg13.0000°,Azm246.0000°; N 0.3223,Plg16.0000°,Azm152.0000° ; P -2.2898,Plg69.0000°,Azm13.0000° $M_0$2.15000×10^{17}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111300653A. Moment Tensor Solution. s103,c173; s155,c294;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.40±.01 $M_{\theta\theta}$0.14±.01; $M_{\phi\phi}$1.26±.01; $M_{r\theta}$-0.17±.04; $M_{\theta\phi}$-0.54±.01; $M_{\phi r}$0.98±.03; Best double couple: NP1: ϕ_s330.00000°,δ28.00000°,λ-103.00000°. NP2:ϕ_s165.00000°,δ62.00000°,λ-83.00000°. Principal axes: T 1.7800,Plg17.0000°,Azm250.0000°; N -0.0580,Plg6.0000°,Azm342.0000° ; P -1.7210,Plg72.0000°,Azm91.0000° $M_0$1.75100×10^{17}

(190) New Ireland region

ISC	XI	**30 10 36 20.5–.44**	**3.55S–.03**	**151.16E–.03**	**14–2**	**6.3s,5.8b**	**1578**	**1-168**
BJI	XI	30 10 36 17.7	3.55S	151.15E	11	6.5s,6.4		**¶621499184**
IDC	XI	30 10 36 17.3–.33	3.58S	150.99E	0	6.1s,5.1b		
ISC-P	XI	30 10 36 18	3.52S	151.19E	22–1	6.2,5.1b		
IPGP	XI	30 10 36 18.0	3.52S	151.16E	12	6.5W,5.1b		
NEIC	XI	30 10 36 18.1–1.1	3.52S–.07	151.19E–.06	10–1	6.3,6.3		
NEIC	XI	30 10 36 18.4	3.52S	151.16E	11	6.3,6.3		
NEIC	XI	30 10 36 18.2	3.52S	151.18E	10	6.3,6.3		
MOS	XI	30 10 36 20.2–1.6	3.59S	151.05E	18	6.2s,6.1b		
GFZ	XI	30 10 36 20.6	3.58S	150.92E	14	6.3W,6.1b		
GFZ	XI	30 10 36 20.6–.11	4S–2.0	151E–2.0	10	6.4b,6.2		
DJA	XI	30 10 36 20.5–.20	3S–3.0	151E–2.0	10	6.5b,6.2		
PTWC	XI	30 10 36 25	3.60S	151.00E	52	6.4,6.2		
GCMT	XI	30 10 36 27.4–.00	3.39S	150.93E	12	6.3W,6.2		
NEIC	XI	30 10 36 29	3.32S	151.08E	24	6.3,6.2		

ISC Event type se.
IDC Error ellipse: s-maj=10.5km s-min=8.8km az=83.0.
ISC-P Moment Tensor Solution. s40 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17±.13 $M_{\theta\theta}$0.38±.25; $M_{\phi\phi}$-0.25±.18; $M_{r\theta}$0.11±.18; $M_{\theta\phi}$-0.30±.15; $M_{\phi r}$0.53±.17; NP1:ϕ_s19.10000°,δ72.70000° ,λ204.20000°. NP2:ϕ_s281.50000°,δ67.00000°,λ-18.80000°. $M_0$2.85000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s301.00000°,δ82.00000°,λ-4.00000°. NP2:ϕ_s32.00000° ,δ86.00000°,λ-172.00000°.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.6km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.13 $M_{\theta\theta}$2.61 $M_{\phi\phi}$-2.73 $M_{r\theta}$0.17 $M_{\theta\phi}$1.32 $M_{\phi r}$-0.26 NP1:ϕ_s301.74000°,δ87.93000°,λ-5.29000°. NP2:ϕ_s31.93000°,δ84.72000° ,λ-177.92000°. Principal axes: T 2.9205,Plg2.0000°,Azm347.0000°; N 0.1501,Plg84.0000° ,Azm100.0000°; P -3.0705,Plg5.0000°,Azm257.0000° $M_0$3.00000×10^{18}
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=4.7km az=106.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.54 $M_{\theta\theta}$3.47 $M_{\phi\phi}$-2.93 $M_{r\theta}$-0.69 $M_{\theta\phi}$1.53 $M_{\phi r}$-0.44 NP1: ϕ_s302.63427°,δ78.85824°,λ2.74821°. NP2:ϕ_s212.10283°,δ87.30362°,λ168.84573°. Principal axes: T 3.9463,Plg9.7822°,Azm166.8504°; N -0.6457,Plg78.5285°,Azm18.6838° ; P -3.3006,Plg5.9335°,Azm257.8772° $M_0$3.66635×10^{18}
GFZ Error ellipse: s-maj=5.0km s-min=3.7km az=77.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC NEW IRELAND REGION, PAPUA NEW GUINEA.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111301036A. Moment Tensor Solution. s171,c408; s169,c709;Duration: 3s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.20±.01 $M_{\theta\theta}$3.87±.02; $M_{\phi\phi}$-3.67±.02; $M_{r\theta}$-0.22±.04; $M_{\theta\phi}$1.71±.01; $M_{\phi r}$-0.28±.04; Best double couple: NP1:ϕ_s303.00000°,δ85.00000°,λ0.00000°. NP2:ϕ_s213.00000°,δ90.00000°,λ175.00000°. Principal axes: T 4.2570,Plg4.0000°,Azm168.0000°; N -0.2000,Plg85.0000°,Azm32.0000° ; P -4.0540,Plg3.0000°,Azm258.0000° $M_0$4.15500×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 7s7 Moment tensor: Scale 10^{18}Nm; M_{rr}0.12 $M_{\theta\theta}$3.37 $M_{\phi\phi}$-3.49 $M_{r\theta}$0.54 $M_{\theta\phi}$1.09 $M_{\phi r}$-1.05 NP1:ϕ_s37.20000°,δ74.56000° ,λ-173.60000°. NP2:ϕ_s305.49000°,δ83.83000°,λ-15.53000°. Principal axes: T 3.5805,Plg6.0000°,Azm352.0000°; N 0.3855,Plg73.0000°,Azm104.0000° ; P -3.9659,Plg15.0000°,Azm260.0000° $M_0$3.79000×10^{18}

(190) New Ireland region

ISC	XI	**30 10 37 35.5–.33**	**3.63S–.05**	**151.30E–.06**	**10**	**5.7b**	**123**	**1-153**
IDC	XI	30 10 37 35.5–.71	3.59S	151.28E	0	5.8s,5.2b		**¶621627044**
NEIC	XI	30 10 37 35.5–1.2	3.63S–.08	151.35E–.07	10–1	5.8b,5.2b		
NEIC	XI	30 10 37 35.5	3.63S	151.35E	10	5.8b,5.2b		
NEIC	XI	30 10 37 43.1	3.13S	149.65E	16	6.1,5.2b		

ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=20.6km az=10.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.8km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.18 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.79 $M_{r\theta}$1.13 $M_{\theta\phi}$0.29 $M_{\phi r}$1.59 NP1:ϕ_s323.88000°,δ17.87000° ,λ-164.28000°. NP2:ϕ_s218.89000°,δ85.23000°,λ-72.76000°. Principal axes: T 2.2702,Plg38.0000°,Azm293.0000°; N -0.3971,Plg17.0000°,Azm37.0000° ; P -1.8731,Plg47.0000°,Azm147.0000° $M_0$2.10000×10^{18}

(190) New Ireland region

ISC	**XI**	**30 10 52 17.0–.37**	**3.50S–.06**	**150.94E–.06**	**10**	**4.8b**	**173**	**1-148**
GFZ	XI	30 10 52 14.6–.36	3S–5.0	151E–4.0	10	4.9b,4.9		**¶621499200**
IDC	XI	30 10 52 16.2–.58	3.43S	150.75E	0	4.2b,4.2		
NEIC	XI	30 10 52 17.3–1.3	3.59S–.09	150.90E–.07	10–1	5.0b,4.2		
DJA	XI	30 10 52 25.3–1.7	4S–5.0	150E–4.0	22–12	6.3b,6.1		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(190) New Ireland region

ISC	**XI**	**30 11 14 10.2–.31**	**3.62S–.05**	**151.24E–.05**	**10**	**5.0s,4.9b**	**204**	**1-156**
NEIC	XI	30 11 14 07.7–1.1	3.62S–.06	151.11E–.06	10–1	5.0b,4.9b		**¶621499198**
IDC	XI	30 11 14 08.3–.56	3.63S	151.21E	0	4.9s,4.5b		
GFZ	XI	30 11 14 12.1–.21	4S–3.0	151E–4.0	10	5.6b,5.1		
DJA	XI	30 11 14 12.1–.30	4S–4.0	151E–3.0	10	6.2b,5.9		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(190) New Ireland region

ISC	**XI**	**30 12 14 35.8–.45**	**3.53S–.03**	**151.28E–.04**	**17–2**	**5.6s,5.4b**	**1052**	**1-156**
BJI	XI	30 12 14 31.8	3.37S	151.74E	10	5.9b,5.6s		**¶621532515**
IDC	XI	30 12 14 33.2–.43	3.56S	151.19E	0	5.3s,5.0b		
NEIC	XI	30 12 14 34.4	3.55S	151.34E	10	5.3s,5.0b		
NEIC	XI	30 12 14 34.0–1.1	3.56S–.05	151.42E–.07	10–1	5.6,5.5b		
MOS	XI	30 12 14 35.1–1.4	3.56S	151.27E	13	5.6b,5.5s		
GFZ	XI	30 12 14 35.7–.12	4S–2.0	151E–2.0	10	6.1b,5.9		
GFZ	XI	30 12 14 35.7	3.51S	151.12E	16	5.8W,5.9		
DJA	XI	30 12 14 36.9–.20	4S–3.0	151E–2.0	10	6.2b,5.9		
PTWC	XI	30 12 14 36	3.60S	151.10E	10	6.0,5.9		
GCMT	XI	30 12 14 39.3–.10	3.51S–.01	151.14E–.01	17–0	5.8W,5.9		
NEIC	XI	30 12 14 45.8	3.55S	150.94E	16	5.8,5.9		

ISC Event type se.

IDC Error ellipse: s-maj=13.3km s-min=10.6km az=85.0.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.4km az=238.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MOS Error ellipse: s-maj=7.5km s-min=4.6km az=109.2.

GFZ Error ellipse: s-maj=5.2km s-min=4.1km az=83.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07 $M_{\theta\theta}$5.71 $M_{\phi\phi}$-5.64 $M_{r\theta}$-0.48 $M_{\theta\phi}$0.64 $M_{\phi r}$-0.32 NP1: ϕ_s311.86140°,δ84.50508°,λ1.33354°. NP2:ϕ_s221.73368°,δ88.67259°,λ174.50360°. Principal axes: T 5.7877,Plg4.8238°,Azm176.6730°; N -0.0926,Plg84.3461°,Azm28.1977° ; P -5.6951,Plg2.9423°,Azm266.9215° $M_0$5.74195×10^{17}

PTWC NEW IRELAND REGION, PAPUA NEW GUINEA.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111301214A. Moment Tensor Solution. s115,c177; s162,c464;Duration: 2s0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.05±.01 $M_{\theta\theta}$0.68±.01; $M_{\phi\phi}$-0.73±.01; $M_{r\theta}$0.01±.02; $M_{\theta\phi}$0.08±.01; $M_{\phi r}$-0.07±.02; Best double couple: NP1:ϕ_s42.00000°,δ86.00000°,λ-176.00000°. NP2:ϕ_s312.00000°,δ86.00000°,λ-4.00000°. Principal axes: T 0.6830,Plg0.0000°,Azm357.0000°; N 0.0580,Plg85.0000°,Azm89.0000° ; P -0.7420,Plg5.0000°,Azm267.0000° $M_0$0.71200×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 3s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02 $M_{\theta\theta}$5.42 $M_{\phi\phi}$-4.40 $M_{r\theta}$-3.47 $M_{\theta\phi}$0.94 $M_{\phi r}$-0.55 NP1:ϕ_s312.79000°,δ69.43000° ,λ13.16000°. NP2:ϕ_s218.09000°,δ77.69000°,λ158.93000°. Principal axes: T 7.0329,Plg24.0000°,Azm174.0000°; N -2.5262,Plg66.0000°,Azm9.0000° ; P -4.5066,Plg6.0000°,Azm267.0000° $M_0$6.17000×10^{17}

(291) South of Sumbawa

ISC	**XI**	**30 12 16 36.7–.77**	**11.50S–.07**	**118.08E–.06**	**36**		**101**	**2-24**
NEIC	XI	30 12 16 32.5–.66	11.27S–.02	118.21E–.08	10–2	4.2b		**¶621532517**
GFZ	XI	30 12 16 32.7–.25	11S–3.0	118E–2.0	10	5.6b,5.2		
DJA	XI	30 12 16 38.2–.40	11S–4.0	118E–1.0	10	5.2b,5.0b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(190) New Ireland region

ISC	**XI**	**30 13 46 56.2–.39**	**3.50S–.06**	**150.95E–.06**	**35**	**4.6b,4.2s**	**146**	**1-99**
IDC	XI	30 13 46 51.5–.62	3.41S	150.78E	0	4.3b,4.3		**¶621532532**
NEIC	XI	30 13 46 52.3–1.0	3.51S–.09	151.12E–.07	10–1	4.9b,4.3		
GCMT	XI	30 13 46 57.0–.40	3.32S–.02	151.00E–.03	23–2	5.2W,4.3		
DJA	XI	30 13 46 57.2–.50	3S–4.0	151E–3.0	46–4	5.9b,5.5		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111301346A. Moment Tensor Solution. s7,c8; s74,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.89±.49 $M_{\theta\theta}$2.05±.35; $M_{\phi\phi}$-3.94±.41; $M_{r\theta}$-2.86±.56; $M_{\theta\phi}$5.23±.27; $M_{\phi r}$-0.68±.43; Best double couple: NP1:ϕ_s191.00000°,δ65.00000° ,λ162.00000°. NP2:ϕ_s289.00000°,δ73.00000°,λ27.00000°. Principal axes: T 6.7340,Plg30.0000°,Azm152.0000°; N 0.3240,Plg59.0000°,Azm319.0000° ; P -7.0590,Plg6.0000°,Azm59.0000° $M_0$6.89600×10^{16}

(306) Xizang

ISC	**XI**	**30 13 53 41.5–.42**	**31.64N–.03**	**87.94E–.02**	**7–2**	**5.3b,5.2s**	**1072**	**3-158**
NDI	XI	30 13 53 34.6–2.9	31.86N	87.92E	24–16	5.4W,5.1L		**¶621532524**
BJI	XI	30 13 53 39.3	31.78N	87.83E	10	5.8s,5.6		
MOS	XI	30 13 53 39.8–.97	31.67N	88.00E	10	5.3b,5.1s		
IDC	XI	30 13 53 39.6–.34	31.57N	87.96E	0	5.0s,4.8b		
ISC-P	XI	30 13 53 41	31.72N	87.93E	7–0	,4.8b		
NEIC	XI	30 13 53 41.1–1.5	31.72N–.07	87.93E–.08	7–3	5.5b,5.2		
NEIC	XI	30 13 53 41.1	31.77N	87.94E	6	5.5b,5.2		
GFZ	XI	30 13 53 41.7	31.62N	87.92E	13	5.5W,5.2		
GFZ	XI	30 13 53 42.6–.18	32N–3.0	88E–3.0	10	5.6b,5.6		
GCMT	XI	30 13 53 44.8–.10	31.62N–.01	87.97E–.01	18–0	5.6W,5.6		
BGR	XI	30 13 53 50.4	32.25N	87.34E	33	5.2b,5.2s		
NEIC	XI	30 13 53 51	31.17N	87.24E	12	5.5,5.2s		

ISC Event type ke.

NDI Event type se. Error ellipse: s-maj=16.2km s-min=10.2km az=-1.0. Presumed earthquake.

MOS Error ellipse: s-maj=6.0km s-min=3.1km az=121.4.

IDC Error ellipse: s-maj=11.1km s-min=7.6km az=50.0.

ISC-P Moment Tensor Solution. s46 Moment tensor: M_{rr}-0.69±.15 $M_{\theta\theta}$0.07±.17; $M_{\phi\phi}$0.63±.17; $M_{r\theta}$-0.11±.12; $M_{\theta\phi}$0.04±.31; $M_{\phi r}$-0.22±.13; NP1:ϕ_s348.10000°,δ42.40000°,λ280.90000°. NP2: ϕ_s153.50000°,δ48.60000°,λ-99.70000°.

NEIC Event type se. Error ellipse: s-maj=9.9km s-min=9.3km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.13 $M_{\theta\theta}$0.13 $M_{\phi\phi}$2.00 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.09 $M_{\phi r}$-0.05 NP1: ϕ_s176.84796°,δ44.38714°,λ-90.61486°. NP2:ϕ_s357.70831°,δ45.61609°,λ-89.39819°. Principal axes: T 2.0070,Plg0.6145°,Azm87.2827°; N 0.1274,Plg0.4301°,Azm177.2874° ; P -2.1343,Plg89.2499°,Azm302.2740° $M_0$2.07358×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111301353A. Moment Tensor Solution. s96,c143; s147,c288;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.31±.06 $M_{\theta\theta}$-0.70±.04; $M_{\phi\phi}$3.01±.04; $M_{r\theta}$0.37±.12; $M_{\theta\phi}$0.89±.03; $M_{\phi r}$0.23±.09; Best double couple: NP1:ϕ_s1.00000° ,δ43.00000°,λ-107.00000°. NP2:ϕ_s204.00000°,δ49.00000°,λ-74.00000°. Principal axes: T 3.2310,Plg3.0000°,Azm283.0000°; N -0.8400,Plg12.0000°,Azm14.0000° ; P -2.3920,Plg78.0000°,Azm178.0000° $M_0$2.81100×10^{17}

BGR Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.84 $M_{\theta\theta}$0.33 $M_{\phi\phi}$1.51 $M_{r\theta}$-0.73 $M_{\theta\phi}$0.05 $M_{\phi r}$1.79 NP1:ϕ_s10.02000°,δ22.16000° ,λ-66.61000°. NP2:ϕ_s164.99000°,δ69.74000°,λ-99.19000°. Principal axes: T 2.3166,Plg24.0000°,Azm262.0000°; N 0.4492,Plg9.0000°,Azm168.0000° ; P -2.7658,Plg64.0000°,Azm60.0000° $M_0$2.57000×10^{17}

(211) Southeast of Honshu

ISC	**XI**	**30 18 27 39.1–.52**	**31.09N–.03**	**142.30E–.05**	**16–2**	**5.0b,3.9s**	**801**	**3-152**
MOS	XI	30 18 27 36.6–1.0	31.06N	142.31E	10	5.2b,4.2s		**¶621532559**
IDC	XI	30 18 27 36.3–.44	31.04N	142.45E	0	4.8b,4.8		
BJI	XI	30 18 27 38.7	31.13N	141.90E	9	5.3b,4.9b		
NEIC	XI	30 18 27 38.4–1.2	31.12N–.05	142.31E–.10	10–1	5.0b,4.9b		
GFZ	XI	30 18 27 39.1–.13	31N–2.0	142E–3.0	10	5.6b,5.0		
NIED	XI	30 18 27 39.1	31.20N	142.48E	72	4.6W,5.0		
JMA	XI	30 18 27 39.1–.21	31.2N–.80	142E–1.0	72	4.6,5.0		
GCMT	XI	30 18 27 42.2–.40	31.04N–.04	142.55E–.04	18–1	4.7W,5.0		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.88 $M_{\theta\theta}$-2.68 $M_{\phi\phi}$3.56 $M_{r\theta}$-5.88 $M_{\theta\phi}$0.29 $M_{\phi r}$6.21 NP1:ϕ_s42.00000°,δ20.00000°,λ-7.00000°. NP2:ϕ_s139.00000° ,δ87.00000°,λ-110.00000°. $M_0$9.13000×10^{15}

JMA Event type ke. FAR E OFF IZU ISLANDS .

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111301827A. Moment Tensor Solution. s11,c13; s73,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.48±.13 $M_{\theta\theta}$0.33±.08; $M_{\phi\phi}$1.15±.09; $M_{r\theta}$-0.13±.21; $M_{\theta\phi}$-0.48±.04; $M_{\phi r}$-0.23±.17; Best double couple: NP1:ϕ_s148.00000° ,δ42.00000°,λ-101.00000°. NP2:ϕ_s343.00000°,δ49.00000°,λ-80.00000°. Principal axes: T 1.3810,Plg3.0000°,Azm66.0000°; N 0.1320,Plg8.0000°,Azm156.0000° ; P -1.5180,Plg82.0000°,Azm313.0000° $M_0$1.45000×10^{16}

(135) Near coast of central Chile

ISC	**XII**	**01 04 39 25.1–.34**	**37.93S–.02**	**73.59W–.03**	**18–1**	**5.5b,4.9s**	**813**	**1-177**
SJA	XII	01 04 39 18.4–.54	37.85S	74.05W	7	5.5L,5.2W		**¶621564955**
IDC	XII	01 04 39 22.3–.33	37.95S	73.47W	0	5.2b,5.1		
MOS	XII	01 04 39 23.8–1.0	37.84S	73.53W	13	5.8b,5.1s		
CATAC	XII	01 04 39 24.9–.96	38S–13	73W–10	10	6.2,5.9b		
NEIC	XII	01 04 39 24.7	37.96S	73.75W	24	6.2,5.9b		
NEIC	XII	01 04 39 24.5	37.90S	73.63W	14	6.2,5.9b		
NEIC	XII	01 04 39 25.1–1.2	37.92S–.03	73.61W–.07	16–2	5.5b,5.3		
GUC	XII	01 04 39 25.3–.65	37.95S	73.74W	44–2	5.1L,5.3		
RSNC	XII	01 04 39 26.9–1.3	39S–13	72W–24	75–11	5.7b,5.5b		
GFZ	XII	01 04 39 26.1–.18	38S–1.0	73W–3.0	18–1	5.8L,5.8b		
GFZ	XII	01 04 39 26.1	37.87S	73.49W	16	5.1W,5.8b		
GCMT	XII	01 04 39 27.4–.20	38.02S–.01	73.66W–.01	22–0	5.2W,5.8b		
VAO	XII	01 04 39 29.8–.46	37.76S	73.28W	45	5.3b,5.8b		
NEIC	XII	01 04 39 29.5	37.90S	73.63W	14	5.1,5.8b		

ISC Event type se.

SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0. Presumed earthquake.

IDC Error ellipse: s-maj=12.6km s-min=8.5km az=79.0.

MOS Error ellipse: s-maj=13.2km s-min=6.6km az=91.0.

CATAC Error ellipse: s-maj=28.8km s-min=19.5km az=159.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=8.4km s-min=3.5km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.15 $M_{\theta\theta}$1.35 $M_{\phi\phi}$2.80 $M_{r\theta}$-0.42 $M_{\theta\phi}$-0.76 $M_{\phi r}$-5.83 NP1:ϕ_s359.57000°,δ74.52000°,λ-82.92000°. NP2:ϕ_s154.64000° ,δ16.99000°,λ-113.97000°. Principal axes: T 6.1539,Plg29.0000°,Azm84.0000° ; N 1.3684,Plg7.0000°,Azm178.0000°; P -7.5222,Plg60.0000°,Azm280.0000° $M_0$6.94000×10^{16}

GUC Event type se. Error ellipse: s-maj=1.0km s-min=4.2km az=-1.0. Presumed earthquake.

GFZ Error ellipse: s-maj=5.9km s-min=2.7km az=91.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.77 $M_{\theta\theta}$1.45 $M_{\phi\phi}$4.32 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.28 $M_{\phi r}$-2.13 NP1: ϕ_s171.78337°,δ33.82243°,λ-96.49705°. NP2:ϕ_s359.58896°,δ56.42376°,λ-85.66454°. Principal axes: T 4.7613,Plg11.3252°,Azm86.4639°; N 1.4592,Plg3.6110°,Azm177.1881° ; P -6.2205,Plg78.0984°,Azm284.6114° $M_0$5.63443×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112010439A. Moment Tensor Solution. s103,c150; s118,c173;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.75±.13 $M_{\theta\theta}$2.10±.08; $M_{\phi\phi}$3.65±.10; $M_{r\theta}$0.23±.13; $M_{\theta\phi}$-1.00±.06; $M_{\phi r}$-4.82±.17; Best double couple: NP1: ϕ_s152.00000°,δ24.00000°,λ-107.00000°. NP2:ϕ_s350.00000°,δ67.00000°,λ-83.00000°. Principal axes: T 5.9470,Plg22.0000°,Azm74.0000°; N 1.8380,Plg7.0000°,Azm167.0000° ; P -7.7850,Plg67.0000°,Azm273.0000° $M_0$6.86600×10^{16}

VAO Event type se. Error ellipse: s-maj=3.7km s-min=5.9km az=-1.0. Presumed earthquake.

NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.08 $M_{\theta\theta}$0.93 $M_{\phi\phi}$4.15 $M_{r\theta}$-1.21 $M_{\theta\phi}$-0.96 $M_{\phi r}$-3.43 NP1:ϕ_s153.24000°,δ29.94000° ,λ-116.39000°. NP2:ϕ_s3.04000°,δ63.44000°,λ-75.64000°. Principal axes: T 5.3509,Plg17.0000°,Azm82.0000°; N 1.1460,Plg13.0000°,Azm177.0000° ; P -6.4969,Plg68.0000°,Azm301.0000° $M_0$6.01000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**XII**	**01 06 04 53.5–.32**	**35.20N–.04**	**141.24E–.04**	**10**	**4.9b,4.4s**	**536**	**1-148**
BJI	XII	01 06 04 50.6	35.19N	141.30E	8	5.3b,4.9s		**¶621564961**
MOS	XII	01 06 04 51.7–.99	35.18N	141.29E	10	5.1b,4.5s		
IDC	XII	01 06 04 52.3–.47	35.25N	141.31E	0	4.6b,4.6		
NEIC	XII	01 06 04 53.8–1.7	35.14N–.05	141.33E–.08	10–1	4.9b,4.6		
GFZ	XII	01 06 04 53.3–.29	35N–3.0	142E–4.0	10	6.0b,5.6		
NIED	XII	01 06 04 56.1	35.23N	141.29E	15	4.9W,5.6		
JMA	XII	01 06 04 56.1–.04	35.2N–.20	141.3E–.30	15–0	4.9,4.9W		
BGR	XII	01 06 04 58.8	35.17N	141.02E	33	5.1b,4.6s		
GCMT	XII	01 06 04 59.2–.30	35.18N–.02	141.45E–.03	31–0	4.9W,4.6s		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.31 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-2.07 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.44 $M_{\phi r}$1.44 NP1:ϕ_s180.00000°,δ25.00000°,λ78.00000°. NP2:ϕ_s14.00000° ,δ65.00000°,λ96.00000°. $M_0$2.27000×10^{16}

JMA Event type fe. E OFF BOSO PENINSULA .

BGR Event type ke.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112010604A. Moment Tensor Solution. s45,c54; s101,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.79±.14 $M_{\theta\theta}$-0.44±.09; $M_{\phi\phi}$-2.35±.09; $M_{r\theta}$0.01±.12; $M_{\theta\phi}$-0.65±.06; $M_{\phi r}$1.86±.10; Best double couple: NP1:ϕ_s204.00000°,δ29.00000° ,λ104.00000°. NP2:ϕ_s8.00000°,δ62.00000°,λ82.00000°. Principal axes: T 3.4020,Plg72.0000°,Azm261.0000°; N -0.3050,Plg7.0000°,Azm12.0000° ; P -3.0960,Plg17.0000°,Azm104.0000° $M_0$3.24900×10^{16}

(193) Bougainville-Solomon Islands region

ISC	**XII**	**01 17 23 01.7–.22**	**10.40S–.03**	**161.28E–.03**	**45–1**	**5.8b,4.9s**	**1239**	**1-166**
BJI	XII	01 17 23 01.4	10.22S	161.36E	59	5.6b,5.3b		**¶621590446**
NEIC	XII	01 17 23 02.3–1.9	10.39S–.07	161.30E–.07	44–4	5.8b,5.3b		
NEIC	XII	01 17 23 02.2	10.37S	161.32E	43	5.8b,5.3b		
NEIC	XII	01 17 23 02.7	10.27S	161.52E	40	5.3,5.3b		
NOU	XII	01 17 23 02.8	10.36S	161.30E	53	5.6b,5.3b		
GFZ	XII	01 17 23 02.4–.10	10S–2.0	161E–2.0	42	6.1L,5.9b		
GFZ	XII	01 17 23 02.4	10.32S	161.24E	39	5.4W,5.9b		
GCMT	XII	01 17 23 03.2–.10	10.42S–.01	161.26E–.01	42–0	5.5W,5.9b		
MOS	XII	01 17 23 03.4–.88	10.35S	161.15E	69	5.7b,5.9b		
IDC	XII	01 17 23 04.4–1.2	10.42S	161.19E	68–9	5.4,5.1b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.0km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.23 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.12 $M_{r\theta}$0.19 $M_{\theta\phi}$0.12 $M_{\phi r}$-0.08 NP1:ϕ_s0.54000°,δ43.06000° ,λ101.11000°. NP2:ϕ_s165.50000°,δ47.94000°,λ79.79000°. Principal axes:

T 1.2617,Plg82.0000°,Azm11.0000°; N -0.1273,Plg8.0000°,Azm172.0000°
; P -1.1344,Plg2.0000°,Azm263.0000° $M_0$1.20000×10^{17}
NOU Solomon Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}1.34 $M_{\theta\theta}$0.25 $M_{\phi\phi}$-1.60 $M_{r\theta}$0.05 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.15 NP1: ϕ_s176.55564°,δ47.97111°,λ86.40180°. NP2:ϕ_s1.92139°,δ42.15405°,λ93.98310°.
Principal axes: T 1.3534,Plg86.0465°,Azm46.4909°; N 0.2509,Plg2.6720°,Azm178.9664°
; P -1.6043,Plg2.9117°,Azm269.1024° $M_0$1.49476×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112011723A. Moment Tensor Solution. s133,c232;
s137,c232;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.61±.02 $M_{\theta\theta}$0.39±.02;
$M_{\phi\phi}$-2.00±.02; $M_{r\theta}$0.36±.02; $M_{\theta\phi}$0.12±.02; $M_{\phi r}$-0.01±.02; Best double couple: NP1:ϕ_s12.00000°
,δ46.00000°,λ111.00000°. NP2:ϕ_s162.00000°,δ48.00000°,λ69.00000°. Principal axes:
T 1.7090,Plg75.0000°,Azm359.0000°; N 0.2980,Plg15.0000°,Azm177.0000°
; P -2.0070,Plg1.0000°,Azm267.0000° $M_0$1.85800×10^{17}
MOS Error ellipse: s-maj=7.0km s-min=5.9km az=102.6.
IDC Error ellipse: s-maj=11.0km s-min=9.1km az=71.0.

(6) Rat Islands

ISC	**XII**	**02 02 26 59.9–.42**	**51.06N–.04**	**179.73E–.02**	**30–2**	**5.6b,4.5s**	**1108**	**0-160**
MOS	XII	02 02 26 55.9–.85	51.21N	179.69E	12	5.5b,4.8s		**¶621606951**
BJI	XII	02 02 26 57.9	51.51N	178.96E	6	5.5b,5.1s		
NEIC	XII	02 02 26 59.6	50.45N	179.61E	24	5.2,5.1s		
NEIC	XII	02 02 26 59.1	50.95N	179.61E	22	5.2,5.1s		
NEIC	XII	02 02 26 59.3–1.4	50.97N–.05	179.60E–.05	22–2	5.7b,5.4L		
AEIC	XII	02 02 27 01.0–1.4	51.03N–.05	179.64E–.06	34–2	5.7b,5.4L		
IDC	XII	02 02 27 00.1–1.7	51.19N	179.68E	30–11	5.0,4.8b		
GFZ	XII	02 02 27 01.2–.28	51N–3.0	180E–2.0	34–2	6.0b,5.7L		
GCMT	XII	02 02 27 03.0–.20	51.03N–.01	179.59E–.01	27–0	5.3W,5.7L		
BGR	XII	02 02 27 08.2	52.15N	178.42E	33	5.2b,4.5s		

ISC Event type ke.
MOS Error ellipse: s-maj=8.1km s-min=4.8km az=107.4.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}1 Moment tensor: Scale 10^{16}Nm;
M_{rr}1.70 $M_{\theta\theta}$-1.30 $M_{\phi\phi}$-0.40 $M_{r\theta}$3.00 $M_{\theta\phi}$-6.58 $M_{\phi r}$-1.76 NP1:ϕ_s185.80000°,δ64.40000°
,λ17.16000°. NP2:ϕ_s88.20000°,δ74.56000°,λ153.37000°. Principal axes:
T 7.6369,Plg30.0000°,Azm45.0000°; N -0.0771,Plg60.0000°,Azm240.0000°
; P -7.5597,Plg7.0000°,Azm139.0000° $M_0$7.60000×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.6km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.6km az=200.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.5km s-min=9.3km az=173.0.
GFZ Error ellipse: s-maj=6.1km s-min=4.1km az=174.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112020226A. Moment Tensor Solution. s92,c145;
s133,c230;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.30±.02 $M_{\theta\theta}$-0.25±.02;
$M_{\phi\phi}$-0.04±.01; $M_{r\theta}$0.27±.03; $M_{\theta\phi}$-0.75±.01; $M_{\phi r}$-0.64±.04; Best double couple: NP1:
ϕ_s86.00000°,δ53.00000°,λ159.00000°. NP2:ϕ_s189.00000°,δ73.00000°,λ39.00000°.
Principal axes: T 1.1450,Plg39.0000°,Azm54.0000°; N -0.1870,Plg48.0000°,Azm209.0000°
; P -0.9580,Plg13.0000°,Azm313.0000° $M_0$1.05100×10^{17}
BGR Event type ke.

(227) Eastern Honshu

ISC	**XII**	**02 08 24 47.4–.37**	**37.67N–.03**	**141.84E–.04**	**55–2**	**4.8b,3.5s**	**486**	**1-146**
BJI	XII	02 08 24 43.9	37.54N	142.09E	62	5.3b,4.8b		**¶621606970**
MOS	XII	02 08 24 45.6–.93	37.79N	141.75E	46	5.1b,4.8b		
NIED	XII	02 08 24 47.4	37.67N	141.71E	53	4.5W,4.8b		
JMA	XII	02 08 24 47.4–.04	37.7N–.10	141.7E–.20	53–0	4.7,4.5W		
IDC	XII	02 08 24 48.8–1.9	37.64N	141.67E	63–17	4.6,4.3b		
NEIC	XII	02 08 24 48.4–1.1	37.72N–.06	141.8E–.10	57–6	4.8b,4.3b		
GFZ	XII	02 08 24 51.5–.34	38N–3.0	141E–5.0	45	6.3b,6.0		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.09 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-4.78
$M_{r\theta}$2.14 $M_{\theta\phi}$-2.95 $M_{\phi r}$-0.77 NP1:ϕ_s184.00000°,δ49.00000°,λ57.00000°. NP2:ϕ_s49.00000°
,δ51.00000°,λ122.00000°. M_w6.18000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(233) Near south coast of western Honshu

ISC	**XII**	**03 00 28 28.6–.33**	**33.82N–.03**	**135.14E–.02**	**16–1**	**5.2b,5.0s**	**845**	**0-155**
BGR	XII	03 00 28 23.3	32.97N	136.76E	22–1	5.4b,5.2s		**¶621611300**
BJI	XII	03 00 28 23.9	33.62N	135.36E	10	5.5s,5.5b		
MOS	XII	03 00 28 26.8–.82	33.77N	135.02E	15	5.6b,5.4s		
IDC	XII	03 00 28 26.0–.42	33.76N	135.09E	0	5.0b,5.0		
JMA	XII	03 00 28 28.9–.04	33.8N–.10	135.2E–.10	18–0	5.4,5.1W		
NIED	XII	03 00 28 28.9	33.80N	135.15E	18	5.1W,5.1W		
NEIC	XII	03 00 28 28.2–1.2	33.83N–.05	135.08E–.05	12–3	5.2b,5.1		
NEIC	XII	03 00 28 29.1	33.84N	135.09E	18	5.2b,5.1		
NEIC	XII	03 00 28 29.1	33.84N	135.09E	18	5.2b,5.1		
GFZ	XII	03 00 28 29.5–.20	34N–3.0	135E–3.0	10	6.6b,6.3		
GCMT	XII	03 00 28 33.0–.20	33.89N–.01	134.89E–.02	15	5.3W,6.3		
KEA	XII	03 00 28 35.6	33.80N	135.13E	33	5.1s,6.3		
NEIC	XII	03 00 28 37.5	33.84N	135.09E	18	5.2,6.3		

ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=6.9km s-min=3.7km az=120.8.
IDC Error ellipse: s-maj=10.0km s-min=7.6km az=159.0.
JMA Event type fe. S PART OF KII CHANNEL .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.62 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.89
$M_{r\theta}$3.15 $M_{\theta\phi}$-1.36 $M_{\phi r}$3.33 NP1:ϕ_s223.00000°,δ11.00000°,λ90.00000°. NP2:ϕ_s43.00000°
,δ79.00000°,λ90.00000°. M_w4.96000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.41 $M_{\theta\theta}$0.38 $M_{\phi\phi}$-0.79 $M_{r\theta}$3.40 $M_{\theta\phi}$-0.60
$M_{\phi r}$4.00 NP1:ϕ_s164.36000°,δ6.32000°,λ33.79000°. NP2:ϕ_s40.73000°,δ86.49000°,λ95.26000°.
Principal axes: T 5.0728,Plg48.0000°,Azm316.0000°; N 0.4803,Plg5.0000°,Azm220.0000°
; P -5.5531,Plg41.0000°,Azm126.0000° $M_0$5.33000×10^{16}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112030028A. Moment Tensor Solution. s69,c90; s91,c135;
Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.26±.01 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$-0.14±.01;
$M_{r\theta}$0.76±.03; $M_{\theta\phi}$-0.09±.01; $M_{\phi r}$0.70±.03; Best double couple: NP1:ϕ_s220.00000°,δ7.00000°
,λ83.00000°. NP2:ϕ_s47.00000°,δ83.00000°,λ91.00000°. Principal axes:
T 1.0800,Plg52.0000°,Azm318.0000°; N -0.0390,Plg1.0000°,Azm227.0000°
; P -1.0410,Plg38.0000°,Azm136.0000° $M_0$1.06000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}9 Moment tensor: Scale 10^{16}Nm;
M_{rr}2.36 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$-1.01 $M_{r\theta}$3.72 $M_{\theta\phi}$-1.00 $M_{\phi r}$5.23 NP1:ϕ_s239.19000°,δ10.35000°
,λ112.50000°. NP2:ϕ_s36.36000°,δ80.45000°,λ86.00000°. Principal axes:
T 6.9484,Plg54.0000°,Azm302.0000°; N -0.2820,Plg4.0000°,Azm37.0000°
; P -6.6664,Plg35.0000°,Azm130.0000° $M_0$6.81000×10^{16}

(685) Easter Island region

ISC	**XII**	**03 04 40 04.3–.21**	**28.55S–.05**	**112.21W–.04**	**10**	**6.0s,5.7b**	**887**	**3-173**
MOS	XII	03 04 40 02.5–1.2	28.47S	112.17W	10	5.8s,5.4b		**¶621611344**
IDC	XII	03 04 40 03.1–.41	28.40S	112.26W	0	6.0s,5.3L		
IPGP	XII	03 04 40 04.0	28.63S	112.26W	5	6.1W,5.3L		
NEIC	XII	03 04 40 04	28.63S	112.26W	10	6.1W,5.3L		
NEIC	XII	03 04 40 04.7	28.52S	112.13W	10	6.1W,5.3L		
GFZ	XII	03 04 40 05.4–.13	28S–2.0	112W–2.0	10	6.2L,6.1b		
NEIC	XII	03 04 40 05.1–2.4	28.48S–.10	112.03W–.10	10–1	6.1,6.0		
PTWC	XII	03 04 40 05	28.50S	112.20W	10	5.8,6.0		
GFZ	XII	03 04 40 05.7	28.41S	112.19W	16	6.2W,6.0		
BJI	XII	03 04 40 07.5	28.60S	112.30W	10	6.3s,6.2		
GCMT	XII	03 04 40 09.6–.00	28.77S	112.33W	12	6.1W,6.2		
NEIC	XII	03 04 40 14.3	29.13S	112.49W	24	6.1,6.2		

ISC Event type se.
MOS Error ellipse: s-maj=17.6km s-min=13.7km az=49.9.
IDC Error ellipse: s-maj=16.1km s-min=12.5km az=150.0.
IPGP Moment Tensor Solution. NP1:ϕ_s112.00000°,δ82.00000°,λ168.00000°. NP2:ϕ_s204.00000°
,δ78.00000°,λ8.00000°.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=12.3km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.07 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$1.08 $M_{r\theta}$0.21 $M_{\theta\phi}$-0.89
$M_{\phi r}$0.50 NP1:ϕ_s26.14000°,δ87.94000°,λ20.98000°. NP2:ϕ_s295.35000°,δ69.04000°
,λ177.80000°. Principal axes: T 1.5051,Plg16.0000°,Azm253.0000°; N 0.0426,Plg69.0000°
,Azm31.0000°; P -1.5497,Plg13.0000°,Azm159.0000° $M_0$1.53000×10^{18}
PTWC EASTER ISLAND REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}-0.16 $M_{\theta\theta}$-1.54 $M_{\phi\phi}$1.69 $M_{r\theta}$0.00 $M_{\theta\phi}$-1.38 $M_{\phi r}$-0.32 NP1:
ϕ_s114.57562°,δ82.48340°,λ177.21270°. NP2:ϕ_s204.94052°,δ87.23667°,λ7.52540°.
Principal axes: T 2.2401,Plg7.2725°,Azm69.9733°; N -0.1888,Plg81.9860°,Azm224.9898°
; P -2.0513,Plg3.3485°,Azm339.5455° $M_0$2.15191×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112030440A. Moment Tensor Solution.
s162,c361; s165,c642;Duration: 2^{s}9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07±.01
$M_{\theta\theta}$-1.42±.01; $M_{\phi\phi}$1.49±.01; $M_{r\theta}$0.28±.02; $M_{\theta\phi}$-1.33±.01; $M_{\phi r}$-0.24±.02; Best double couple:
NP1:ϕ_s204.00000°,δ80.00000°,λ2.00000°. NP2:ϕ_s114.00000°,δ88.00000°,λ170.00000°.
Principal axes: T 2.0560,Plg9.0000°,Azm68.0000°; N -0.1040,Plg80.0000°,Azm282.0000°
; P -1.9540,Plg6.0000°,Azm159.0000° $M_0$2.00500×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5^{s}1.0 Moment tensor: Scale 10^{18}Nm;
M_{rr}0.03 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$1.33 $M_{r\theta}$0.53 $M_{\theta\phi}$-1.32 $M_{\phi r}$-0.64 NP1:ϕ_s204.62000°,δ69.88000°
,λ9.37000°. NP2:ϕ_s111.37000°,δ81.21000°,λ159.63000°. Principal axes:
T 2.1679,Plg21.0000°,Azm66.0000°; N -0.2307,Plg68.0000°,Azm269.0000°
; P -1.9372,Plg8.0000°,Azm159.0000° $M_0$2.06000×10^{18}

(153) South Sandwich Islands region

ISC	**XII**	**03 08 33 39.8–.19**	**60.49S–.04**	**27.04W–.04**	**19**	**5.9s,5.6b**	**1001**	**8-163**
IDC	XII	03 08 33 36.5–.34	60.21S	26.97W	0	5.8s,5.3L		**¶621611351**
MOS	XII	03 08 33 37.4–.93	60.44S	27.27W	10	5.9s,5.8b		
NEIC	XII	03 08 33 38.5	60.47S	27.14W	7	5.9s,5.8b		
GFZ	XII	03 08 33 38.7	60.48S	26.84W	12	6.0W,5.8b		
GFZ	XII	03 08 33 38.7–.12	60S–3.0	27W–2.0	10	6.2b,5.8		
NEIC	XII	03 08 33 38.5–1.3	60.47S–.10	27.1W–.20	7–3	6.0,5.9		
NEIC	XII	03 08 33 39.1	60.48S	27.14W	11	6.0,5.9		
NEIC	XII	03 08 33 39.6	60.38S	26.53W	18	6.0,5.9		
IPGP	XII	03 08 33 39.0	60.46S	27.11W	9	6.0W,5.9		
PTWC	XII	03 08 33 43	60.60S	26.90W		6.2,5.9		
GCMT	XII	03 08 33 44.0–.10	60.75S	26.90W	12	6.0W,5.9		

ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=11.5km az=75.0.
MOS Error ellipse: s-maj=23.9km s-min=12.9km az=91.2.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$0.53 $M_{r\theta}$0.07 $M_{\theta\phi}$-1.08 $M_{\phi r}$-0.01 NP1:
ϕ_s281.75284°,δ89.10625°,λ-176.38408°. NP2:ϕ_s191.69636°,δ86.38452°,λ-0.89553°.
Principal axes: T 1.2405,Plg1.9232°,Azm56.6711°; N -0.1330,Plg86.2754°,Azm295.6182°
; P -1.1075,Plg3.1884°,Azm146.7782° $M_0$1.17965×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=12.6km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$0.31 $M_{r\theta}$0.38
$M_{\theta\phi}$-0.93 $M_{\phi r}$0.41 NP1:ϕ_s185.68000°,δ76.31000°,λ-23.18000°. NP2:ϕ_s281.46000°
,δ67.51000°,λ-165.16000°. Principal axes: T 1.0178,Plg6.0000°,Azm235.0000°
; N 0.1835,Plg63.0000°,Azm337.0000°; P -1.2013,Plg26.0000°,Azm142.0000°
$M_0$1.12000×10^{18}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5^{s}2 Moment tensor: Scale 10^{18}Nm;
M_{rr}-0.11 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$0.56 $M_{r\theta}$-0.12 $M_{\theta\phi}$-1.12 $M_{\phi r}$0.27 NP1:ϕ_s281.68000°,δ80.37000°
,λ173.44000°. NP2:ϕ_s12.79000°,δ83.53000°,λ9.69000°. Principal axes:
T 1.3416,Plg11.0000°,Azm237.0000°; N -0.1669,Plg78.0000°,Azm46.0000°
; P -1.1747,Plg2.0000°,Azm147.0000° $M_0$1.27000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s282.00000°,δ65.00000°,λ-167.00000°. NP2:ϕ_s186.00000°
,δ78.00000°,λ-25.00000°.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112030833A. Moment Tensor Solution.
s156,c320; s166,c580;Duration: 2^{s}4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07±.01
$M_{\theta\theta}$-0.44±.01; $M_{\phi\phi}$0.50±.01; $M_{r\theta}$0.31±.02; $M_{\theta\phi}$-1.08±.01; $M_{\phi r}$0.14±.02; Best double couple:
NP1:ϕ_s191.00000°,δ77.00000°,λ-10.00000°. NP2:ϕ_s283.00000°,δ81.00000°,λ-167.00000°.
Principal axes: T 1.2150,Plg3.0000°,Azm256.0000°; N 0.0290,Plg74.0000°,Azm317.0000°
; P -1.2440,Plg16.0000°,Azm147.0000° $M_0$1.22900×10^{18}

(174) Tonga Islands region

ISC	**XII**	**03 08 40 28.1–.58**	**23.62S–.04**	**175.21W–.05**	**15–3**	**5.6s,5.3b**	**546**	**6-169**
BJI	XII	03 08 40 23.8	23.57S	174.48W	10	5.9b,5.7b		**¶621883630**
NEIC	XII	03 08 40 26.1	23.43S	174.99W	10	5.9b,5.7b		
NEIC	XII	03 08 40 26.5	23.33S	174.45W	26	5.5,5.7b		
NEIC	XII	03 08 40 26.3–1.3	23.38S–.09	175.0W–.10	10–1	5.6,5.3b		
IDC	XII	03 08 40 26.8–.46	23.47S	175.34W	0	5.1s,5.0b		
GFZ	XII	03 08 40 27.8–.19	23S–3.0	175W–4.0	10	5.8b,5.4		
NOU	XII	03 08 40 30.6	23.61S	174.77W	67	5.2b,5.4		
GCMT	XII	03 08 40 32.8–.20	23.51S–.01	174.91W–.01	15–0	5.5W,5.4		
MOS	XII	03 08 40 35.9–1.9	22.49S	177.06W	10	5.5s,5.3b		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}8 Moment tensor: Scale 10^{17}Nm;
M_{rr}1.76 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-1.48 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.77 $M_{\phi r}$1.19 NP1:ϕ_s209.35000°,δ27.53000°
,λ95.68000°. NP2:ϕ_s22.95000°,δ62.62000°,λ87.05000°. Principal axes:
T 2.1627,Plg72.0000°,Azm286.0000°; N 0.0905,Plg3.0000°,Azm24.0000°
; P -2.2533,Plg18.0000°,Azm115.0000° $M_0$2.21000×10^{17}
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=12.9km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=14.5km az=115.0.
GFZ Error ellipse: s-maj=8.0km s-min=7.0km az=112.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Tonga Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112030840A. Moment Tensor Solution. s74,c125;
s140,c232;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.87±.05 $M_{\theta\theta}$-0.56±.03;
$M_{\phi\phi}$-1.31±.04; $M_{r\theta}$0.55±.07; $M_{\theta\phi}$-0.63±.02; $M_{\phi r}$0.70±.07; Best double couple: NP1:
ϕ_s206.00000°,δ32.00000°,λ84.00000°. NP2:ϕ_s33.00000°,δ58.00000°,λ94.00000°.
Principal axes: T 2.0860,Plg76.0000°,Azm314.0000°; N -0.2100,Plg3.0000°,Azm211.0000°
; P -1.8730,Plg13.0000°,Azm121.0000° $M_0$1.98000×10^{17}
MOS Error ellipse: s-maj=19.2km s-min=12.6km az=133.8.

(705) Off west coast of northern Sumatera

ISC	**XII**	**03 08 45 11.3–.90**	**0.37N–.06**	**96.68E–.06**	**20**	**5.2s,4.1b**	**59**	**1-145**
IDC	XII	03 08 45 10.8–1.1	0.67N	96.36E	0	5.0s,4.0L		**¶621630579**
DJA	XII	03 08 45 12.1–1.0	0N–2.0	97E–3.0	31–15	6.0b,5.6		

ISC Event type se.

(705) Off west coast of northern Sumatera

ISC	**XII**	**03 09 58 42.1–.74**	**0.40N–.06**	**96.71E–.06**	**20**	**4.0b**	**75**	**1-145**
IDC	XII	03 09 58 39.8–1.2	0.38N	96.65E	0	3.8L,3.6b		**¶621630585**
NEIC	XII	03 09 58 41.1–.86	0.45N–.09	96.7E–.10	10–2	4.1b,3.6b		
DJA	XII	03 09 58 43.2–1.5	0N–4.0	97E–5.0	39–51	5.9b,5.5		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(192) New Britain region

ISC	**XII**	**04 00 41 53.5–.32**	**7.10S–.05**	**151.03E–.05**	**40**	**5.0b,3.6s**	**275**	**3-156**
BJI	XII	04 00 41 47.8	7.22S	150.81E	7	5.2b,4.6s		¶621612052
GFZ	XII	04 00 41 48.5–.35	7S–4.0	151E–5.0	10	4.8b,4.8		
NEIC	XII	04 00 41 50.1–1.3	7.09S–.06	150.97E–.09	10–1	5.1b,4.8		
IDC	XII	04 00 41 53.8–3.0	6.97S	150.74E	36–24	4.5,4.3b		
DJA	XII	04 00 41 54.7–.70	7S–5.0	151E–6.0	46–8	6.3b,6.0		
GCMT	XII	04 00 41 55.2–.30	7.14S–.02	150.81E–.04	13–1	4.8W,6.0		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040041A. Moment Tensor Solution. s29,c34; s95,c122; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.40±.17 $M_{\theta\theta}$1.98±.11; $M_{\phi\phi}$0.42±.10; $M_{r\theta}$-0.48±.27; $M_{\theta\phi}$0.55±.07; $M_{\phi r}$0.59±.38; Best double couple: NP1:ϕ_s239.00000°,δ43.00000°,λ-111.00000°. NP2:ϕ_s86.00000°,δ50.00000°,λ-72.00000°. Principal axes: T 2.1750,Plg4.0000°,Azm164.0000°; N 0.4220,Plg14.0000°,Azm255.0000°; P -2.5950,Plg76.0000°,Azm59.0000° $M_0$2.38500×10^{16}

(291) South of Sumbawa

ISC	**XII**	**04 02 07 14.4–.91**	**10.15S–.07**	**116.62E–.05**	**50**	**3.6b**	**60**	**1-69**
IDC	XII	04 02 07 08.0–1.3	10.01S	116.36E	0	3.9L,3.7		¶621630628
DJA	XII	04 02 07 12.3–.30	10S–4.0	117E–2.0	10	5.6b,5.1		

ISC Event type se.

(421) Carlsberg Ridge

ISC	**XII**	**04 04 25 16.2–.41**	**0.60N–.08**	**67.17E–.06**	**22**	**4.6b,4.0s**	**203**	**9-149**
IDC	XII	04 04 25 12.0–.59	0.59N	67.17E	0	4.3b,4.3		¶621612093
BJI	XII	04 04 25 13.0	0.70N	67.10E	10	5.3b,4.7b		
NEIC	XII	04 04 25 14.8–2.2	0.6N–.10	67.17E–.06	10–1	4.9b,4.7b		
GFZ	XII	04 04 25 15.2–.28	1N–5.0	67E–3.0	10	10.7,9.6		
GCMT	XII	04 04 25 16.3–.30	0.43N–.02	67.18E–.02	20–1	4.9W,9.6		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040425A. Moment Tensor Solution. s29,c31; s90,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.13 $M_{\theta\theta}$-2.17±.10; $M_{\phi\phi}$2.33±.11; $M_{r\theta}$-0.09±.20; $M_{\theta\phi}$-1.51±.09; $M_{\phi r}$-0.60±.20; Best double couple: NP1:ϕ_s118.00000°,δ79.00000°,λ177.00000°. NP2:ϕ_s208.00000°,δ87.00000°,λ11.00000°. Principal axes: T 2.8880,Plg10.0000°,Azm74.0000°; N -0.2360,Plg78.0000°,Azm222.0000°; P -2.6570,Plg6.0000°,Azm342.0000° $M_0$2.77200×10^{16}

(192) New Britain region

ISC	**XII**	**04 12 07 03.9–.31**	**7.43S–.05**	**150.14E–.05**	**10**	**5.2b,4.0s**	**373**	**4-155**
IDC	XII	04 12 07 02.1–.42	7.36S	150.06E	0	4.7b,4.7		¶621883635
BJI	XII	04 12 07 02.2	7.31S	150.06E	9	5.4b,5.0s		
NEIC	XII	04 12 07 03.5–.80	7.34S–.05	150.12E–.07	10–1	5.2b,4.9		
GFZ	XII	04 12 07 05.0–.25	7S–3.0	150E–4.0	10	5.3b,5.1b		
GCMT	XII	04 12 07 08.1–.20	7.38S–.01	150.15E–.02	12–0	5.0W,5.1b		
DJA	XII	04 12 07 08.0–.40	7S–3.0	150E–3.0	44–4	5.9,5.9b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112041207A. Moment Tensor Solution. s57,c73; s123,c208; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.98±.15 $M_{\theta\theta}$4.05±.10; $M_{\phi\phi}$-0.07±.09; $M_{r\theta}$1.25±.22; $M_{\theta\phi}$-0.03±.07; $M_{\phi r}$-0.65±.32; Best double couple: NP1:ϕ_s82.00000°,δ37.00000°,λ-104.00000°. NP2:ϕ_s279.00000°,δ54.00000°,λ-80.00000°. Principal axes: T 4.2440,Plg9.0000°,Azm2.0000°; N 0.0180,Plg8.0000°,Azm93.0000°; P -4.2670,Plg78.0000°,Azm226.0000° $M_0$4.25600×10^{16}

(153) South Sandwich Islands region

ISC	**XII**	**04 14 27 15.6–.24**	**59.73S–.05**	**29.49W–.05**	**10**	**5.4s,5.1b**	**268**	**7-169**
NEIC	XII	04 14 27 09.1–2.2	59.73S–.07	28.01W–.09	10–1	5.7,5.4		¶621612436
NEIC	XII	04 14 27 10.3	59.70S	28.04W	11	5.7,5.4		
NEIC	XII	04 14 27 10.3	59.70S	28.04W	11	5.7,5.4		
BJI	XII	04 14 27 13.0	59.60S	28.20W	20	5.9s,5.6		
NEIC	XII	04 14 27 13.1	59.50S	28.43W	12	5.7,5.6		
IDC	XII	04 14 27 14.0–.50	59.69S	29.32W	0	5.3s,4.6b		
GFZ	XII	04 14 27 17.3	59.70S	29.52W	26	5.7W,4.6b		
MOS	XII	04 14 27 17.7–2.0	60.03S	30.38W	10	5.1b,4.6b		
GFZ	XII	04 14 27 17.3–.17	60S–4.0	30W–3.0	10	5.8b,5.6		
GCMT	XII	04 14 27 21.6–.10	59.86S–.01	29.13W–.01	13–0	5.7W,5.6		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.11 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$1.85 $M_{r\theta}$0.22 $M_{\theta\phi}$3.64 $M_{\phi r}$0.45 NP1:ϕ_s76.37000°,δ84.52000°,λ4.65000°. NP2:ϕ_s345.92000°,δ85.37000°,λ174.50000°. Principal axes: T 4.1140,Plg7.0000°,Azm301.0000°; N 0.0521,Plg83.0000°,Azm126.0000°; P -4.1661,Plg1.0000°,Azm31.0000° $M_0$4.14000×10^{17}

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 4ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$1.56 $M_{r\theta}$-1.66 $M_{\theta\phi}$3.11 $M_{\phi r}$-0.06 NP1:ϕ_s168.13000°,δ64.94000°,λ-175.79000°. NP2:ϕ_s76.34000°,δ86.19000°,λ-25.12000°. Principal axes: T 3.7488,Plg15.0000°,Azm125.0000°; N 0.1742,Plg65.0000°,Azm248.0000°; P -3.9230,Plg20.0000°,Azm29.0000° $M_0$3.84000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.15 $M_{\theta\theta}$-2.70 $M_{\phi\phi}$2.55 $M_{r\theta}$-0.22 $M_{\theta\phi}$3.97 $M_{\phi r}$2.10 NP1:ϕ_s342.51360°,δ86.08040°,λ156.52140°. NP2:ϕ_s74.21432°,δ66.57961°,λ4.27215°. Principal axes: T 5.2909,Plg19.2319°,Azm295.8987°; N -0.1695,Plg66.2148°,Azm153.5703°; P -5.1215,Plg13.4574°,Azm30.6873° $M_0$5.20827×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112041427A. Moment Tensor Solution. s130,c222; s160,c333;Duration: 1ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.04 $M_{\theta\theta}$-1.50±.04; $M_{\phi\phi}$1.63±.04; $M_{r\theta}$0.13±.10; $M_{\theta\phi}$3.95±.04; $M_{\phi r}$0.57±.10; Best double couple: NP1:ϕ_s79.00000°,δ83.00000°,λ3.00000°. NP2:ϕ_s349.00000°,δ87.00000°,λ173.00000°. Principal axes: T 4.3790,Plg7.0000°,Azm304.0000°; N -0.1780,Plg83.0000°,Azm147.0000°; P -4.1940,Plg3.0000°,Azm34.0000° $M_0$4.28700×10^{17}

(196) Irian Jaya region

ISC	**XII**	**04 15 17 34.3–.81**	**4.63S–.06**	**133.72E–.07**	**21**		**18**	**1-68**
IDC	XII	04 15 17 32.7–1.9	4.20S	134.17E	0	3.8,3.7L		¶621630675
DJA	XII	04 15 17 36.8–.40	4S–6.0	134E–4.0	10	5.6b,5.1		

ISC Event type se.

(705) Off west coast of northern Sumatera

ISC	**XII**	**04 15 29 35.0–.60**	**2.88N–.04**	**95.40E–.04**	**19–2**	**4.9b,4.5s**	**569**	**1-146**
BKK	XII	04 15 29 32.8–4.2	3N–4.0	95E–7.0	27–44	5.2L,5.2b		¶621612451
IDC	XII	04 15 29 32.2–.60	2.85N	95.32E	0	4.8L,4.6b		
BJI	XII	04 15 29 32.0	2.89N	95.41E	12	5.4b,5.0b		
NEIC	XII	04 15 29 34.0–1.9	2.87N–.06	95.35E–.03	10–1	4.9b,5.0b		
GFZ	XII	04 15 29 33.8–.14	3N–2.0	95E–2.0	10	5.4b,5.0b		
DJA	XII	04 15 29 35.7–.40	3N–1.0	95E–2.0	13–3	5.6b,5.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(74) Near coast of Nicaragua

ISC	**XII**	**05 00 47 06.8–.50**	**11.20N–.03**	**86.58W–.03**	**50–4**	**4.8b**	**488**	**1-150**
CATAC	XII	05 00 47 05.3–.23	11N–1.0	87W–1.0	14–1	6.0b,5.6b		¶625381286
SNET	XII	05 00 47 05.7–.67	11N–3.0	87W–3.0	15–5	5.0,4.9		
UCR	XII	05 00 47 05.5–.85	11.30N	86.53W	6–10	5.2W,4.9		
NEIC	XII	05 00 47 07.2–1.3	11.21N–.05	86.57W–.05	48–5	4.8b,4.9		
GFZ	XII	05 00 47 07.7–.30	11N–4.0	87W–4.0	47–2	5.0,4.9		
IDC	XII	05 00 47 07.9–1.3	11.53N	86.22W	53–12	4.4,4.1b		

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=2.7km s-min=1.8km az=44.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.36 $M_{\theta\theta}$1.34 $M_{\phi\phi}$0.02 $M_{r\theta}$7.61 $M_{\theta\phi}$2.56 $M_{\phi r}$-4.74 NP1:ϕ_s30.49348°,δ13.20776°,λ-175.74306°. NP2:ϕ_s296.34876°,δ89.02821°,λ-76.82740°. Principal axes: T 7.9177,Plg42.5637°,Azm13.7112°; N 2.5074,Plg13.1707°,Azm116.1213°; P -10.4251,Plg44.4587°,Azm219.3965° $M_0$9.42497×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.55 $M_{\theta\theta}$1.54 $M_{\phi\phi}$0.02 $M_{r\theta}$7.48 $M_{\theta\phi}$2.48 $M_{\phi r}$-4.87 NP1:ϕ_s33.77087°,δ13.26090°,λ-173.30409°. NP2:ϕ_s297.25195°,δ88.46737°,λ-76.82639°. Principal axes: T 7.8552,Plg42.0161°,Azm14.7246°; N 2.5535,Plg13.1688°,Azm116.8933°; P -10.4086,Plg45.0047°,Azm220.4267° $M_0$9.39584×10^{15}

SNET Error ellipse: s-maj=9.0km s-min=4.6km az=41.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=10.3km s-min=5.4km az=51.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC Error ellipse: s-maj=24.4km s-min=8.0km az=54.0.

(9) Fox Islands

ISC	**XII**	**05 01 01 21.5–.65**	**51.97N–.04**	**167.04W–.03**	**13–3**	**5.1b,4.3s**	**857**	**2-159**
BJI	XII	05 01 01 18.4	52.04N	167.07W	10	5.2b,5.2b		¶621612578
MOS	XII	05 01 01 19.9–.93	51.86N	167.18W	11	5.2b,4.2s		
IDC	XII	05 01 01 19.6–.44	51.88N	167.17W	0	4.8b,4.8		
NEIC	XII	05 01 01 21.6–2.0	51.94N–.05	167.07W–.07	10–1	5.2b,5.0L		
GFZ	XII	05 01 01 21.9–.16	52N–4.0	167W–2.0	10	6.2b,5.9		
AEIC	XII	05 01 01 23.4–2.0	51.99N–.06	166.99W–.02	26–3	6.2b,5.9		
BGR	XII	05 01 01 28.5	52.19N	167.50W	33	5.1b,5.9		

ISC Event type ke.

MOS Error ellipse: s-maj=9.5km s-min=4.7km az=104.2.

IDC Error ellipse: s-maj=14.4km s-min=9.4km az=165.0.

NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.9km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

AEIC Event type se. Error ellipse: s-maj=9.0km s-min=1.4km az=169.0. hypocenter. manual.

BGR Event type ke.

(196) Irian Jaya region

ISC	**XII**	**05 01 10 57.1–.52**	**1.92S–.03**	**140.52E–.03**	**18–2**	**5.4b,4.6s**	**906**	**1-167**
MOS	XII	05 01 10 53.9–.91	1.86S	140.59E	11	5.5b,4.7s		¶621612579
BJI	XII	05 01 10 53.2	2.06S	140.99E	23	5.5b,5.4b		
IDC	XII	05 01 10 54.1–.35	1.84S	140.62E	0	5.5L,5.1		
NEIC	XII	05 01 10 57.0–1.8	1.90S–.05	140.54E–.07	13–2	5.4b,5.3		
GFZ	XII	05 01 10 56.8–.20	2S–3.0	141E–3.0	10	5.7b,5.5		
GFZ	XII	05 01 10 56.6	1.84S	140.56E	18	5.4W,5.5		
GCMT	XII	05 01 10 59.3–.10	1.83S–.01	140.50E–.01	14–0	5.4W,5.5		
DJA	XII	05 01 10 59.7–.40	2S–2.0	141E–2.0	32–3	5.8b,5.5W		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.48 $M_{\theta\theta}$1.49 $M_{\phi\phi}$-0.00 $M_{r\theta}$0.15 $M_{\theta\phi}$0.01 $M_{\phi r}$0.08 NP1:ϕ_s92.85557°,δ42.19548°,λ-85.32697°. NP2:ϕ_s266.55943°,δ47.97696°,λ-94.22420°. Principal axes: T 1.4951,Plg2.8951°,Azm359.5489°; N -0.0001,Plg3.1368°,Azm269.3901°; P -1.4950,Plg85.7294°,Azm132.1770° $M_0$1.49501×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112050110A. Moment Tensor Solution. s82,c131; s132,c258;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21±.04 $M_{\theta\theta}$1.57±.03; $M_{\phi\phi}$-0.35±.03; $M_{r\theta}$0.04±.04; $M_{\theta\phi}$0.04±.02; $M_{\phi r}$-0.14±.06; Best double couple: NP1:ϕ_s80.00000°,δ45.00000°,λ-103.00000°. NP2:ϕ_s278.00000°,δ46.00000°,λ-78.00000°. Principal axes: T 1.5710,Plg1.0000°,Azm359.0000°; N -0.3380,Plg9.0000°,Azm89.0000°; P -1.2320,Plg81.0000°,Azm265.0000° $M_0$1.40200×10^{17}

(238) Ryukyu Islands

ISC	**XII**	**05 02 14 25.2–.60**	**29.25N–.03**	**129.47E–.03**	**15–3**	**5.0b,4.6s**	**515**	**0-119**
BGR	XII	05 02 14 21.6	28.34N	130.82E	33	5.2s,5.0b		¶621612584
MOS	XII	05 02 14 22.7–1.1	29.20N	129.45E	11	5.1b,5.0s		
NIED	XII	05 02 14 25.0	29.27N	129.32E	19	5.2W,5.0s		
NEIC	XII	05 02 14 24.8–1.8	29.29N–.05	129.50E–.08	10–1	5.1b,5.0s		
BJI	XII	05 02 14 24.0	29.16N	129.36E	14	5.2s,5.2b		
JMA	XII	05 02 14 25.0–.17	29.3N–.90	129E–2.0	19–2	5.0W,4.9		
GFZ	XII	05 02 14 26.8–.21	29N–3.0	130E–3.0	10	5.5b,5.2		
GCMT	XII	05 02 14 27.4–.20	29.24N–.02	129.31E–.02	12	5.1W,5.2		
IDC	XII	05 02 14 29.9–2.0	29.34N	129.41E	55–17	4.5s,4.4		

ISC Event type ke.

BGR Event type ke.

MOS Error ellipse: s-maj=7.6km s-min=4.4km az=103.4.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.11 $M_{\theta\theta}$0.93 $M_{\phi\phi}$2.18 $M_{r\theta}$1.96 $M_{\theta\phi}$2.26 $M_{\phi r}$5.67 NP1:ϕ_s58.00000°,δ18.00000°,λ-55.00000°. NP2:ϕ_s201.00000°,δ76.00000°,λ-100.00000°. $M_0$6.97000×10^{16}

NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.0km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. NEAR TOKARA ISLANDS .

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112050214A. Moment Tensor Solution. s32,c43; s102,c171; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.37±.13 $M_{\theta\theta}$0.86±.12; $M_{\phi\phi}$2.51±.11; $M_{r\theta}$-0.29±.43; $M_{\theta\phi}$3.57±.09; $M_{\phi r}$1.71±.41; Best double couple: NP1:ϕ_s66.00000°,δ45.00000°,λ-47.00000°. NP2:ϕ_s193.00000°,δ59.00000°,λ-125.00000°. Principal axes: T 5.5040,Plg8.0000°,Azm307.0000°; N -1.2600,Plg29.0000°,Azm213.0000°; P -4.2450,Plg60.0000°,Azm50.0000° $M_0$4.87400×10^{16}

IDC Error ellipse: s-maj=14.8km s-min=10.1km az=65.0.

(173) Tonga Islands

ISC	**XII**	**05 07 45 06.4–.46**	**21.62S–.04**	**174.08W–.05**	**13–2**	**5.3b,4.9s**	**592**	**8-171**
IDC	XII	05 07 45 04.7–.38	21.40S	174.21W	0	4.9b,4.9		¶621612596
NEIC	XII	05 07 45 05.2–1.4	21.66S–.08	173.77W–.09	10–1	5.3b,5.3		
GFZ	XII	05 07 45 06.2–.14	21S–4.0	174W–3.0	10	5.6b,5.3W		
MOS	XII	05 07 45 06.3–1.6	21.61S	174.19W	18	5.4b,5.1s		
GCMT	XII	05 07 45 10.9–.10	21.54S–.01	173.73W–.01	12	5.2W,5.1s		
NOU	XII	05 07 45 14.7	21.38S	174.19W	96	5.1b,5.1s		

ISC Event type se.

IDC Error ellipse: s-maj=14.1km s-min=12.3km az=135.0.

NEIC Event type se. Error ellipse: s-maj=14.5km s-min=13.9km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

MOS Error ellipse: s-maj=10.6km s-min=9.4km az=43.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112050745A. Moment Tensor Solution. s93,c139; s146,c258;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.01 $M_{\theta\theta}$-0.26±.01; $M_{\phi\phi}$-0.44±.01; $M_{r\theta}$0.31±.03; $M_{\theta\phi}$-0.35±.01; $M_{\phi r}$0.45±.03; Best double couple: NP1:ϕ_s219.00000°,δ26.00000°,λ93.00000°. NP2:ϕ_s36.00000°,δ64.00000°,λ89.00000°. Principal axes: T 0.8900,Plg71.0000°,Azm303.0000°; N 0.0140,Plg1.0000°,Azm37.0000°; P -0.9030,Plg19.0000°,Azm127.0000° $M_0$0.89700×10^{17}

NOU Tonga Islands.

(200) Near north coast of New Guinea

ISC	**XII**	**05 11 40 02.8–.33**	**2.77S–.04**	**141.40E–.04**	**10**	**4.9b,3.8s**	**249**	**1-159**
BJI	XII	05 11 39 56.1	3.38S	141.67E	6	4.7b,3.8s		¶621612715
IDC	XII	05 11 40 00.8–.42	2.84S	141.40E	0	4.9L,4.6		
GFZ	XII	05 11 40 02.9–.23	3S–3.0	141E–3.0	10	5.5b,5.0		

NEIC XII 05 11 40 03.2–1.5 2.81S–.07 141.32E–.09 10–1 5.0b,5.0
DJA XII 05 11 40 05.9–.80 3S–4.0 141E–5.0 10 5.0b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC XII 05 18 26 26.8–.22 59.86S–.05 29.49W–.05 10 5.4s,5.2b 417 7-170
IDC XII 05 18 26 24.8–.38 59.82S 29.38W 0 5.3s,4.7b **¶621613017**
NEIC XII 05 18 26 26.1–1.8 59.83S–.08 29.44W–.04 10–1 5.6,5.5b
NEIC XII 05 18 26 26.5 59.86S 29.25W 13 5.6,5.5b
NEIC XII 05 18 26 26.5 59.86S 29.25W 13 5.6,5.5b
MOS XII 05 18 26 26.7–1.1 59.94S 29.47W 23 5.5b,5.3s
BJI XII 05 18 26 26.2 59.80S 29.40W 10 5.7s,5.7b
NEIC XII 05 18 26 27 59.76S 28.85W 12 5.6,5.7b
GFZ XII 05 18 26 28.2–.14 60S–3.0 29W–2.0 10 6.0b,5.8
GCMT XII 05 18 26 31.6–.10 59.94S–.01 29.15W–.01 12 5.7W,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.43 $M_{\theta\theta}$-1.99 $M_{\phi\phi}$1.56 $M_{r\theta}$-0.33 $M_{\theta\phi}$3.07 $M_{\phi r}$0.59 NP1:ϕ_s74.86000°,δ79.73000°,λ-0.72000°. NP2:ϕ_s164.99000°,δ89.29000°,λ-169.73000°. Principal axes: T 3.3745,Plg7.0000°,Azm299.0000°; N 0.4685,Plg80.0000°,Azm169.0000°; P -3.8430,Plg8.0000°,Azm30.0000° $M_0$3.63000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$1.74 $M_{r\theta}$-0.05 $M_{\theta\phi}$2.51 $M_{\phi r}$-0.31 NP1:ϕ_s255.65000°,δ84.51000°,λ0.52000°. NP2:ϕ_s165.60000°,δ89.48000°,λ174.51000°. Principal axes: T 3.2482,Plg4.0000°,Azm120.0000°; N -0.7273,Plg84.0000°,Azm340.0000°; P -2.5209,Plg4.0000°,Azm211.0000° $M_0$2.95000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112051826A. Moment Tensor Solution. s140,c244; s156,c335;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.03 $M_{\theta\theta}$-1.49±.04; $M_{\phi\phi}$1.58±.04; $M_{r\theta}$-0.14±.09; $M_{\theta\phi}$3.41±.03; $M_{\phi r}$0.70±.09; Best double couple: NP1:ϕ_s78.00000°,δ79.00000°,λ0.00000°. NP2:ϕ_s168.00000°,δ90.00000°,λ-169.00000°. Principal axes: T 3.8530,Plg8.0000°,Azm302.0000°; N -0.0920,Plg79.0000°,Azm169.0000°; P -3.7630,Plg8.0000°,Azm33.0000° $M_0$3.80800×10^{17}

(66) Near coast of Oaxaca

ISC XII 06 00 20 01.6–.64 15.83N–.03 95.95W–.02 8–4 5.1b,4.4s 570 0-157
IDC XII 06 00 20 00.1–.60 15.77N 96.00W 0 4.7b,4.7 **¶621613039**
GCG XII 06 00 20 00.1–2.8 15.95N 96.28W 16–47 5.5L,4.8
NEIC XII 06 00 20 03.2–2.2 15.93N–.07 95.92W–.05 13–3 5.1,5.1b
MEX XII 06 00 20 03.6–1.1 15.64N 96.08W 10–4 5.1,5.1b
GFZ XII 06 00 20 06.8–.35 16N–5.0 96W–4.0 10 6.2L,5.4b
CATAC XII 06 00 20 07.5–.35 16N–4.0 96W–2.0 91–6 5.8,5.5b
GCMT XII 06 00 20 07.9–.20 15.88N–.01 95.93W–.02 24–0 5.1W,5.5b
ISC Event type se.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.89 $M_{\theta\theta}$-1.92 $M_{\phi\phi}$0.03 $M_{r\theta}$1.16 $M_{\theta\phi}$2.48 $M_{\phi r}$-1.53 NP1:ϕ_s147.76670°,δ67.25330°,λ119.96202°. NP2:ϕ_s271.61793°,δ36.96774°,λ40.01339°. Principal axes: T 2.7658,Plg56.9682°,Azm98.1466°; N 1.3985,Plg27.4247°,Azm315.2011°; P -4.1643,Plg16.9509°,Azm216.1012° $M_0$3.67063×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.86 $M_{\theta\theta}$-1.68 $M_{\phi\phi}$-0.18 $M_{r\theta}$1.21 $M_{\theta\phi}$2.54 $M_{\phi r}$-1.51 NP1:ϕ_s147.60553°,δ66.57728°,λ116.53667°. NP2:ϕ_s276.12565°,δ34.82231°,λ44.11712°. Principal axes: T 2.6734,Plg59.4929°,Azm96.0908°; N 1.4928,Plg24.2020°,Azm316.3777°; P -4.1662,Plg17.4216°,Azm218.2698° $M_0$3.65599×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112060020A. Moment Tensor Solution. s60,c74; s91,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.59±.17 $M_{\theta\theta}$-3.79±.11; $M_{\phi\phi}$0.20±.10; $M_{r\theta}$2.73±.14; $M_{\theta\phi}$0.19±.06; $M_{\phi r}$-1.95±.15; Best double couple: NP1:ϕ_s255.00000°,δ29.00000°,λ55.00000°. NP2:ϕ_s113.00000°,δ67.00000°,λ107.00000°. Principal axes: T 5.1500,Plg64.0000°,Azm52.0000°; N -0.3180,Plg16.0000°,Azm286.0000°; P -4.8220,Plg20.0000°,Azm190.0000° $M_0$4.98600×10^{16}

(429) Mid-Indian Ridge

ISC XII 06 00 55 41.3–.25 27.86S–.04 74.04E–.05 12 5.2s,5.1b 674 10-178
NEIC XII 06 00 55 34.4 27.79S 73.98E 12 5.5,5.1b **¶621613042**
IDC XII 06 00 55 39.0–.41 27.75S 74.12E 0 4.9s,4.7b
BJI XII 06 00 55 38.8 27.70S 73.48E 15 5.7b,5.5s
MOS XII 06 00 55 39.1–.94 27.77S 74.12E 10 5.3b,4.8s
NEIC XII 06 00 55 41.2–1.4 27.80S–.08 74.01E–.10 10–1 5.4b,5.3
GFZ XII 06 00 55 42.0–.18 28S–4.0 74E–3.0 10 5.7b,5.4
GFZ XII 06 00 55 41.4 27.77S 74.09E 12 5.4W,5.4
NEIC XII 06 00 55 41.4 27.79S 73.98E 10 5.4W,5.4
GCMT XII 06 00 55 43.0–.10 27.84S–.01 73.94E–.01 12 5.5W,5.4
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.81 $M_{\theta\theta}$0.73 $M_{\phi\phi}$1.07 $M_{r\theta}$-1.20 $M_{\theta\phi}$-0.95 $M_{\phi r}$1.04 NP1:ϕ_s326.41000°,δ24.97000°,λ-78.70000°. NP2:ϕ_s133.99000°,δ65.54000°,λ-95.21000°. Principal axes: T 2.4472,Plg20.0000°,Azm228.0000°; N -0.0363,Plg5.0000°,Azm136.0000°; P -2.4109,Plg69.0000°,Azm34.0000° $M_0$2.43000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.88 $M_{\theta\theta}$0.85 $M_{\phi\phi}$1.02 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.66 $M_{\phi r}$0.33 NP1:ϕ_s145.64731°,δ48.81574°,λ-81.00674°. NP2:ϕ_s312.13283°,δ41.98295°,λ-100.12958°. Principal axes: T 1.6173,Plg3.4402°,Azm229.2897°; N 0.3040,Plg6.7562°,Azm319.6978°; P -1.9212,Plg82.4111°,Azm112.4688° $M_0$1.78873×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112060055A. Moment Tensor Solution. s117,c201; s158,c341;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.05±.02 $M_{\theta\theta}$0.82±.02; $M_{\phi\phi}$1.23±.02; $M_{r\theta}$0.24±.04; $M_{\theta\phi}$-0.97±.01; $M_{\phi r}$0.31±.05; Best double couple: NP1:ϕ_s311.00000°,δ45.00000°,λ-104.00000°. NP2:ϕ_s151.00000°,δ47.00000°,λ-76.00000°. Principal axes: T 2.0240,Plg1.0000°,Azm231.0000°; N 0.0990,Plg10.0000°,Azm321.0000°; P -2.1180,Plg80.0000°,Azm134.0000° $M_0$2.07100×10^{17}

(177) Kermadec Islands region

ISC XII 06 04 19 45.4–.42 28.89S–.04 175.85W–.04 14–2 5.6b,5.4s 908 2-167
BJI XII 06 04 19 42.9 28.55S 175.44W 9 5.9b,5.4b **¶621613050**
IDC XII 06 04 19 43.9–.39 28.85S 176.18W 0 5.1b,5.0
PTWC XII 06 04 19 43 29.20S 175.40W 5.8,5.0
MOS XII 06 04 19 44.3–1.1 28.80S 176.09W 10 5.6b,5.2s
NEIC XII 06 04 19 45.4–1.9 28.84S–.08 175.9W–.10 11–3 5.7b,5.4
GFZ XII 06 04 19 45.7–.11 29S–3.0 176W–2.0 10 5.9,5.9b
NEIC XII 06 04 19 45.1 28.94S 175.88W 10 5.9,5.9b
NEIC XII 06 04 19 45.1 28.94S 175.88W 10 5.9,5.9b
GFZ XII 06 04 19 45.5 28.77S 176.00W 15 5.6W,5.9b
BGR XII 06 04 19 46.7 29.10S 175.22W 33 5.3s,5.9b
NOU XII 06 04 19 48.8 28.94S 175.86W 44 5.3b,5.9b
NEIC XII 06 04 19 50.6 28.74S 175.42W 18 5.6,5.9b
GCMT XII 06 04 19 50.0–.10 28.79S–.01 175.70W 12 5.5W,5.9b
ISC Event type ke.
PTWC KERMADEC ISLANDS REGION.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.24 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$1.27 $M_{r\theta}$-0.11 $M_{\theta\phi}$0.83 $M_{\phi r}$0.94 NP1:ϕ_s185.89000°,δ62.85000°,λ-113.11000°. NP2:ϕ_s48.97000°,δ35.07000°,λ-52.57000°. Principal axes: T 1.8857,Plg15.0000°,Azm293.0000°; N -0.2380,Plg20.0000°,Azm197.0000°; P -1.6477,Plg64.0000°,Azm56.0000° $M_0$1.78000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.81 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$2.84 $M_{r\theta}$0.06 $M_{\theta\phi}$0.37 $M_{\phi r}$-0.02 NP1:ϕ_s188.55782°,δ44.89910°,λ-88.11271°. NP2:ϕ_s5.89443°,δ45.13186°,λ-91.87964°. Principal axes: T 2.8871,Plg0.1164°,Azm97.2234°; N -0.0743,Plg1.3320°,Azm7.2207°; P -2.8128,Plg88.6629°,Azm192.2171° $M_0$2.85065×10^{17}
BGR Event type ke.
NOU Kermadec Islands Region.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.18 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$3.31 $M_{r\theta}$0.77 $M_{\theta\phi}$0.84 $M_{\phi r}$0.06 NP1:ϕ_s359.66000°,δ44.64000°,λ-109.53000°. NP2:ϕ_s206.15000°,δ48.53000°,λ-71.73000°. Principal axes: T 3.5084,Plg2.0000°,Azm283.0000°; N -0.1436,Plg14.0000°,Azm14.0000°; P -3.3647,Plg76.0000°,Azm185.0000° $M_0$3.44000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112060419A. Moment Tensor Solution. s115,c227; s142,c292;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.11±.02 $M_{\theta\theta}$-0.60±.02; $M_{\phi\phi}$2.71±.02; $M_{r\theta}$-0.70±.07; $M_{\theta\phi}$0.28±.02; $M_{\phi r}$-0.20±.06; Best double couple: NP1:ϕ_s165.00000°,δ46.00000°,λ-120.00000°. NP2:ϕ_s24.00000°,δ52.00000°,λ-63.00000°. Principal axes: T 2.7470,Plg3.0000°,Azm95.0000°; N -0.3590,Plg21.0000°,Azm187.0000°; P -2.3860,Plg69.0000°,Azm357.0000° $M_0$2.56700×10^{17}

(430) South of Africa

ISC XII 06 22 35 56.0–.60 48.45S–.04 31.34E–.06 14–3 5.3b,4.5s 518 14-167
IDC XII 06 22 35 53.5–.39 48.44S 31.51E 0 5.0L,4.9b **¶621615798**
MOS XII 06 22 35 54.0–1.1 48.47S 31.42E 10 5.3b,4.4s
NEIC XII 06 22 35 55.2–2.0 48.41S–.08 31.5E–.20 10–1 5.4b,5.2
GCMT XII 06 22 35 56.6–.20 48.39S–.01 31.51E–.02 12–0 5.1W,5.2
GFZ XII 06 22 35 56.4–.12 48S–2.0 31E–3.0 10 5.7b,5.4
PRE XII 06 22 35 58.0–2.0 47.97S 29.54E 5 4.0L,5.4
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=11.0km az=68.0.
MOS Error ellipse: s-maj=20.2km s-min=7.6km az=89.8.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=14.1km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112062235A. Moment Tensor Solution. s48,c67; s103,c179; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.85±.20 $M_{\theta\theta}$6.18±.15; $M_{\phi\phi}$-1.33±.15; $M_{r\theta}$1.78±.33; $M_{\theta\phi}$2.05±.10; $M_{\phi r}$-0.01±.44; Best double couple: NP1:ϕ_s67.00000°,δ37.00000°,λ-102.00000°. NP2:ϕ_s263.00000°,δ54.00000°,λ-81.00000°. Principal axes: T 6.9550,Plg8.0000°,Azm346.0000°; N -1.7950,Plg7.0000°,Azm77.0000°; P -5.1610,Plg79.0000°,Azm209.0000° $M_0$6.05800×10^{16}
GFZ Error ellipse: s-maj=7.4km s-min=4.9km az=113.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PRE Event type se. Error ellipse: s-maj=15.5km s-min=45.6km az=-1.0. Presumed earthquake.

(429) Mid-Indian Ridge

ISC XII 07 02 44 04.0–.26 38.72S–.05 78.22E–.05 10 5.0b,5.0s 446 1-175
MOS XII 07 02 44 01.5–.91 38.69S 78.33E 10 5.2b,5.0s **¶621615806**
BJI XII 07 02 44 02.0 38.70S 78.20E 10 5.5b,5.2s
IDC XII 07 02 44 02.1–.45 38.69S 78.51E 0 4.8s,4.7b
NEIC XII 07 02 44 04.5–2.0 38.62S–.07 78.2E–.10 10–1 5.5,5.3b
NEIC XII 07 02 44 04.9 38.55S 78.23E 10 5.5,5.3b
NEIC XII 07 02 44 04.9 38.55S 78.23E 10 5.5,5.3b
NEIC XII 07 02 44 05.5 38.45S 78.23E 12 5.4,5.3b
GFZ XII 07 02 44 05.3–.19 39S–4.0 78E–3.0 10 5.6b,5.1L
GFZ XII 07 02 44 05.2 38.67S 78.30E 10 5.4W,5.1L
GCMT XII 07 02 44 07.1–.10 38.78S–.01 78.42E–.01 12 5.4W,5.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.46 $M_{\theta\theta}$-1.64 $M_{\phi\phi}$1.18 $M_{r\theta}$-0.48 $M_{\theta\phi}$1.16 $M_{\phi r}$-0.05 NP1:ϕ_s154.98000°,δ75.60000°,λ179.18000°. NP2:ϕ_s245.18000°,δ89.20000°,λ14.40000°. Principal axes: T 1.6303,Plg11.0000°,Azm111.0000°; N 0.4938,Plg76.0000°,Azm248.0000°; P -2.1241,Plg10.0000°,Azm19.0000° $M_0$1.93000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$1.36 $M_{r\theta}$0.14 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.61 NP1:ϕ_s237.98000°,δ62.13000°,λ-6.08000°. NP2:ϕ_s330.83000°,δ84.63000°,λ-151.99000°. Principal axes: T 1.6364,Plg15.0000°,Azm101.0000°; N -0.4677,Plg62.0000°,Azm341.0000°; P -1.1687,Plg23.0000°,Azm198.0000° $M_0$1.46000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74 $M_{\theta\theta}$0.24 $M_{\phi\phi}$0.98 $M_{r\theta}$-0.23 $M_{\theta\phi}$0.98 $M_{\phi r}$0.41 NP1:ϕ_s174.24683°,δ65.52766°,λ-141.28574°. NP2:ϕ_s65.87812°,δ55.30216°,λ-30.25552°. Principal axes: T 1.5450,Plg6.2921°,Azm297.9632°; N -0.3792,Plg45.2492°,Azm201.5772°; P -1.1657,Plg44.0624°,Azm34.0889° $M_0$1.39457×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112070244A. Moment Tensor Solution. s114,c189; s143,c288;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.46±.02 $M_{\theta\theta}$-1.12±.02; $M_{\phi\phi}$1.58±.02; $M_{r\theta}$0.18±.04; $M_{\theta\phi}$0.80±.01; $M_{\phi r}$0.37±.04; Best double couple: NP1:ϕ_s330.00000°,δ80.00000°,λ176.00000°. NP2:ϕ_s60.00000°,δ87.00000°,λ11.00000°. Principal axes: T 1.8720,Plg10.0000°,Azm286.0000°; N -0.5290,Plg79.0000°,Azm79.0000°; P -1.3470,Plg5.0000°,Azm195.0000° $M_0$1.61000×10^{17}

(429) Mid-Indian Ridge

ISC XII 07 03 14 37.4–.34 38.63S–.06 78.28E–.07 10 4.9b,4.6s 189 1-173
IDC XII 07 03 14 34.7–.58 38.58S 78.34E 0 4.6s,4.3b **¶621615807**
NEIC XII 07 03 14 37.4–1.6 38.59S–.07 78.2E–.10 10–1 5.2,5.0b
GFZ XII 07 03 14 38.0–.15 39S–3.0 78E–3.0 10 6.2,6.2
GCMT XII 07 03 14 41.0–.10 38.75S–.01 78.44E–.01 12 5.2W,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112070314A. Moment Tensor Solution. s70,c94; s133,c232; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.79±.13 $M_{\theta\theta}$-6.31±.11; $M_{\phi\phi}$7.10±.11; $M_{r\theta}$0.17±.33; $M_{\theta\phi}$1.54±.11; $M_{\phi r}$-0.34±.31; Best double couple: NP1:ϕ_s231.00000°,δ87.00000°,λ0.00000°. NP2:ϕ_s141.00000°,δ90.00000°,λ177.00000°. Principal axes: T 7.2870,Plg2.0000°,Azm96.0000°; N -0.7920,Plg87.0000°,Azm320.0000°; P -6.4920,Plg2.0000°,Azm187.0000° $M_0$6.89000×10^{16}

(121) Off coast of northern Chile

ISC XII 07 09 39 37.8–.49 18.58S–.03 71.08W–.04 29–3 5.3b,5.0s 578 1-179
IDC XII 07 09 39 33.1–.42 18.70S 71.10W 0 4.9s,4.8b **¶621616414**
MOS XII 07 09 39 33.7–1.0 18.58S 71.12W 10 5.6b,5.1s
NEIC XII 07 09 39 36.9–.95 18.55S–.05 71.07W–.07 18–3 5.6,5.4b
VAO XII 07 09 39 37.4–.32 18.61S 71.01W 31 5.1b,5.4b
GFZ XII 07 09 39 37.6 18.66S 71.09W 29 5.6W,5.4b
GFZ XII 07 09 39 37.6–.80 19S–2.0 71W–3.0 21–5 5.8b,5.6L
GUC XII 07 09 39 38.9–.89 18.57S 71.02W 31–7 5.1L,5.6L
IPGP XII 07 09 39 38.0 18.64S 71.07W 31 5.5W,5.6L
NEIC XII 07 09 39 38.4 18.62S 71.02W 25 5.5W,5.6L
NEIC XII 07 09 39 38.4 18.62S 71.02W 25 5.5W,5.6L
BJI XII 07 09 39 40.4 18.60S 71.00W 30 5.6s,5.5b
GCMT XII 07 09 39 42.5–.10 18.67S–.01 71.35W–.01 36–0 5.6W,5.5b
NEIC XII 07 09 39 45.9 18.62S 71.02W 24 5.6,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=12.8km s-min=10.6km az=31.0.
MOS Error ellipse: s-maj=13.1km s-min=7.6km az=104.8.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.6km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-0.89 $M_{r\theta}$0.01 $M_{\theta\phi}$0.17 $M_{\phi r}$-0.85 NP1:ϕ_s342.30000°,δ25.06000°,λ78.25000°. NP2:ϕ_s175.23000°,δ65.50000°,λ95.44000°. Principal axes: T 1.3489,Plg69.0000°,Azm96.0000°; N -0.1111,Plg5.0000°,Azm353.0000°; P -1.2378,Plg20.0000°,Azm261.0000° $M_0$1.30000×10^{17}

VAO Event type se. Error ellipse: s-maj=4.0km s-min=3.8km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.05 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$-1.70 $M_{r\theta}$0.43 $M_{\theta\phi}$0.91 $M_{\phi r}$-1.85 NP1: ϕ_s162.32553°,δ66.15585°,λ97.82636°. NP2:ϕ_s323.54666°,δ25.02426°,λ72.87601°. Principal axes: T 2.8090,Plg67.9075°,Azm87.1592°; N 0.0524,Plg7.1547°,Azm339.1452° ; P -2.8614,Plg20.7862°,Azm246.4141° $M_0$2.83556×10^{17}
GFZ Error ellipse: s-maj=6.3km s-min=4.0km az=80.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=4.1km s-min=4.7km az=-1.0. Presumed earthquake.
IPGP Moment Tensor Solution. NP1:ϕ_s314.00000°,δ30.00000°,λ64.00000°. NP2:ϕ_s164.00000° ,δ64.00000°,λ104.00000°.
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112070939A. Moment Tensor Solution. s130,c225; s136,c236;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.91±.03 $M_{\theta\theta}$0.24±.03; $M_{\phi\phi}$-2.15±.03; $M_{r\theta}$0.42±.04; $M_{\theta\phi}$0.95±.02; $M_{\phi r}$-1.98±.05; Best double couple: NP1: ϕ_s332.00000°,δ24.00000°,λ77.00000°. NP2:ϕ_s167.00000°,δ66.00000°,λ96.00000°. Principal axes: T 2.7160,Plg68.0000°,Azm88.0000°; N 0.5460,Plg5.0000°,Azm344.0000° ; P -3.2620,Plg21.0000°,Azm252.0000° $M_0$2.98900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.60 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.65 $M_{r\theta}$0.79 $M_{\theta\phi}$0.85 $M_{\phi r}$-1.85 NP1:ϕ_s338.32000°,δ20.97000° ,λ91.26000°. NP2:ϕ_s156.97000°,δ69.04000°,λ89.52000°. Principal axes: T 2.4941,Plg66.0000°,Azm66.0000°; N 0.4076,Plg0.0000°,Azm157.0000° ; P -2.9016,Plg24.0000°,Azm247.0000° $M_0$2.72000×10^{17}

(177) Kermadec Islands region

ISC	XII	07 15 03 15.7–.63	28.57S–.04	176.49W–.05	16–3	5.3b,5.0s	561	1-167
NOU	XII	07 15 03 09.9	28.71S	175.33W	41	5.3b,5.0s		¶621883654
BJI	XII	07 15 03 10.4	28.67S	175.38W	16	5.7b,5.5b		
IDC	XII	07 15 03 13.8–.39	28.43S	176.70W	0	4.9b,4.9s		
MOS	XII	07 15 03 14.3–1.6	28.41S	176.65W	10	5.3b,5.0s		
NEIC	XII	07 15 03 16.7–1.2	28.35S–.10	176.34W–.10	22–4	5.3b,5.2		
GCMT	XII	07 15 03 20.5–.10	28.28S–.01	176.24W–.01	18–0	5.3W,5.2		
GFZ	XII	07 15 03 21.5–.31	28S–3.0	176W–5.0	59	5.2b,5.2		

ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071503A. Moment Tensor Solution. s91,c151; s125,c213;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76±.02 $M_{\theta\theta}$-0.10±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$0.10±.03; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$0.68±.03; Best double couple: NP1: ϕ_s205.00000°,δ24.00000°,λ102.00000°. NP2:ϕ_s12.00000°,δ66.00000°,λ85.00000°. Principal axes: T 1.0350,Plg68.0000°,Azm272.0000°; N -0.0380,Plg5.0000°,Azm14.0000° ; P -0.9960,Plg21.0000°,Azm106.0000° $M_0$1.01500×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(153) South Sandwich Islands region

ISC	XII	07 15 55 53.9–.28	57.53S–.04	25.94W–.04	36–1	5.7b,5.4s	903	7-177
BJI	XII	07 15 55 51.0	57.50S	25.90W	30	5.8b,5.7s		¶621883655
GFZ	XII	07 15 55 51.6–.22	57S–4.0	26W–4.0	10	6.0b,5.8		
MOS	XII	07 15 55 53.8–.69	57.48S	26.00W	49	5.9b,5.3s		
ISC-P	XII	07 15 55 53	57.46S	25.75W	29–4	6.2,5.3s		
NEIC	XII	07 15 55 53.7–1.9	57.46S–.08	25.8W–.10	31–1	5.8b,5.7		
NEIC	XII	07 15 55 54.3	57.51S	25.82W	33	5.8b,5.7		
IPGP	XII	07 15 55 54.0	57.51S	25.82W	38	5.9W,5.7		
NEIC	XII	07 15 55 54.1	57.51S	25.82W	33	5.9W,5.7		
GFZ	XII	07 15 55 55.1	57.50S	26.02W	50	5.7W,5.7		
IDC	XII	07 15 55 57.7–1.6	57.47S	25.94W	70–13	5.5,5.2b		
GCMT	XII	07 15 55 57.9–.10	57.51S–.01	25.21W–.01	50–0	5.8W,5.2b		
NEIC	XII	07 15 55 59.6	57.51S	25.82W	30	5.8,5.2b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=19.1km s-min=10.6km az=102.8.
ISC-P Moment Tensor Solution. s29 Moment tensor: Scale 10^{18}Nm; M_{rr}0.73±.16 $M_{\theta\theta}$-0.40±.23; $M_{\phi\phi}$-0.13±.18; $M_{r\theta}$0.12±.14; $M_{\theta\phi}$-0.01±.31; $M_{\phi r}$-0.36±.13; NP1:ϕ_s227.80000°,δ41.90000° ,λ79.40000°. NP2:ϕ_s62.00000°,δ49.00000°,λ99.40000°. $M_0$2.24000×10^{18}
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.5km az=37.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.08 $M_{\theta\theta}$-0.88 $M_{\phi\phi}$-3.20 $M_{r\theta}$-0.56 $M_{\theta\phi}$2.27 $M_{\phi r}$1.07 NP1:ϕ_s329.78000°,δ52.75000°,λ91.56000°. NP2:ϕ_s147.19000°,δ37.28000° ,λ87.94000°. Principal axes: T 4.2452,Plg82.0000°,Azm248.0000°; N 0.5087,Plg1.0000° ,Azm149.0000°; P -4.7539,Plg8.0000°,Azm59.0000° $M_0$4.52000×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s178.00000°,δ38.00000°,λ94.00000°. NP2:ϕ_s352.00000° ,δ52.00000°,λ87.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.41 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-4.16 $M_{r\theta}$-0.17 $M_{\theta\phi}$1.38 $M_{\phi r}$1.49 NP1: ϕ_s158.63762°,δ36.06143°,λ84.05449°. NP2:ϕ_s345.97849°,δ54.16268°,λ94.31348°. Principal axes: T 4.6649,Plg80.2705°,Azm274.3213°; N 0.1654,Plg3.4957°,Azm163.4499° ; P -4.8303,Plg9.0685°,Azm72.8912° $M_0$4.74978×10^{17}
IDC Error ellipse: s-maj=13.0km s-min=9.6km az=48.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112071555A. Moment Tensor Solution. s157,c334; s153,c437;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.20±.05 $M_{\theta\theta}$0.15±.04; $M_{\phi\phi}$-5.36±.04; $M_{r\theta}$0.22±.04; $M_{\theta\phi}$1.39±.03; $M_{\phi r}$1.73±.04; Best double couple: NP1:ϕ_s159.00000°,δ37.00000°,λ79.00000°. NP2:ϕ_s353.00000°,δ54.00000°,λ98.00000°. Principal axes: T 5.5130,Plg79.0000°,Azm297.0000°; N 0.4120,Plg7.0000°,Azm168.0000° ; P -5.9310,Plg8.0000°,Azm77.0000° $M_0$5.72200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.41 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-4.73 $M_{r\theta}$-1.81 $M_{\theta\phi}$1.19 $M_{\phi r}$2.44 NP1:ϕ_s173.21000°,δ31.36000° ,λ105.77000°. NP2:ϕ_s334.91000°,δ59.94000°,λ80.59000°. Principal axes: T 6.2949,Plg73.0000°,Azm221.0000°; N -0.5079,Plg8.0000°,Azm340.0000° ; P -5.7871,Plg14.0000°,Azm72.0000° $M_0$6.06000×10^{17}

(186) Vanuatu Islands

ISC	XII	07 16 51 33.9–.32	18.18S–.03	168.23E–.05	41–2	4.9b,4.3s	338	0-166
BJI	XII	07 16 51 30.5	18.49S	168.24E	35	5.3b,5.2s		¶621618751
GFZ	XII	07 16 51 33.7–.33	18S–4.0	168E–4.0	34–2	5.8b,5.7L		
NOU	XII	07 16 51 33.2	18.18S	168.37E	44	4.9b,5.7L		
IDC	XII	07 16 51 33.3–.55	18.23S	168.29E	42–4	5.0L,4.4		
NEIC	XII	07 16 51 34.8–1.5	18.16S–.06	168.17E–.07	38–5	5.0b,4.9		
GCMT	XII	07 16 51 36.5–.70	18.20S–.03	168.20E–.04	39–2	5.0W,4.9		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071651A. Moment Tensor Solution. s21,c29; s61,c79; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.72±.50 $M_{\theta\theta}$1.56±.30; $M_{\phi\phi}$-4.28±.30; $M_{r\theta}$-1.34±.29; $M_{\theta\phi}$-1.42±.17; $M_{\phi r}$-1.28±.32; Best double couple: NP1:ϕ_s343.00000° ,δ42.00000°,λ43.00000°. NP2:ϕ_s218.00000°,δ63.00000°,λ123.00000°. Principal axes: T 3.6130,Plg58.0000°,Azm175.0000°; N 1.3140,Plg29.0000°,Azm21.0000° ; P -4.9270,Plg12.0000°,Azm285.0000° $M_0$4.27000×10^{16}

(97) Near coast of Venezuela

ISC	XII	07 17 15 56.2–.45	10.39N–.03	62.32W–.03	12–2	5.2b,4.4s	803	1-171
MOS	XII	07 17 15 54.9–1.3	10.37N	62.46W	11	5.3b,4.4s		¶621618752
TRN	XII	07 17 15 54.3	9.84N	61.83W	77	5.3,4.4s		
NEIC	XII	07 17 15 56.6–1.6	10.41N–.06	62.34W–.07	10–1	5.3b,5.1		
VAO	XII	07 17 15 57.5–.27	10.37N	62.16W	10	5.1b,5.1		
GFZ	XII	07 17 15 57.7–.23	10N–2.0	62W–4.0	10	5.7L,5.6b		
FUNV	XII	07 17 15 57.8	10.35N	62.18W	5	4.7W,5.6b		
GCMT	XII	07 17 15 58.8–.40	10.51N–.02	62.19W–.03	16–2	4.9W,5.6b		
IDC	XII	07 17 15 59.5–1.4	10.41N	62.51W	31–9	4.9,4.7b		
BGR	XII	07 17 16 00.2	10.69N	62.74W	33	4.7b,4.7b		

ISC Event type ke.
MOS Error ellipse: s-maj=8.3km s-min=6.6km az=70.0.
TRN Venezuela. Felt widely in Trinidad MMI IV, V, VI; Tobago IV; St. Vincent IV, Grenada, IV.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.1km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.0km s-min=3.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
FUNV Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071715A. Moment Tensor Solution. s14,c14; s77,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.86±.15 $M_{\theta\theta}$0.64±.14; $M_{\phi\phi}$0.22±.15; $M_{r\theta}$0.41±.44; $M_{\theta\phi}$-2.32±.13; $M_{\phi r}$-1.72±.47; Best double couple: NP1:ϕ_s89.00000°,δ49.00000° ,λ-167.00000°. NP2:ϕ_s351.00000°,δ80.00000°,λ-42.00000°. Principal axes: T 3.2980,Plg20.0000°,Azm47.0000°; N -0.6770,Plg47.0000°,Azm160.0000° ; P -2.6210,Plg36.0000°,Azm301.0000° $M_0$2.96000×10^{16}
IDC Error ellipse: s-maj=11.1km s-min=10.2km az=56.0.
BGR Event type ke.

(30) Off coast of Oregon

ISC	XII	07 21 30 16.8–.36	44.38N–.06	129.52W–.06	13	5.1s,5.0b	370	1-155
BJI	XII	07 21 30 13.5	44.40N	129.50W	10	5.5s,5.4b		¶621618806
IDC	XII	07 21 30 14.0–.58	44.23N	129.62W	0	4.8s,4.3b		
NEIC	XII	07 21 30 16.4–1.7	44.39N–.08	129.5W–.10	10–1	5.4,5.1b		
NEIC	XII	07 21 30 16.4	44.38N	129.51W	10	5.4,5.1b		
NEIC	XII	07 21 30 16.4	44.38N	129.51W	10	5.4,5.1b		
GFZ	XII	07 21 30 17.9–.29	44N–5.0	130W–4.0	10	5.4,5.3b		
GFZ	XII	07 21 30 18.1	44.46N	129.46W	19	5.5W,5.3b		
GCMT	XII	07 21 30 19.8–.10	44.28N–.01	129.82W–.01	12	5.5W,5.3b		
BGR	XII	07 21 30 22.1	44.00N	128.93W	33	5.0b,5.3b		
NEIC	XII	07 21 30 28.3	44.38N	129.51W	12	5.5,5.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=8.6km az=36.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.5km az=231.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.16 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$1.19 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.36 NP1:ϕ_s208.52000°,δ84.57000°,λ13.50000°. NP2:ϕ_s117.22000° ,δ76.56000°,λ174.41000°. Principal axes: T 1.5391,Plg13.0000°,Azm74.0000° ; N 0.1024,Plg75.0000°,Azm230.0000°; P -1.6415,Plg6.0000°,Azm342.0000° $M_0$1.59000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ Error ellipse: s-maj=12.1km s-min=5.7km az=37.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.00 $M_{\theta\theta}$1.52 $M_{\phi\phi}$1.52 $M_{r\theta}$0.24 $M_{\theta\phi}$-1.10 $M_{\phi r}$-0.36 NP1: ϕ_s116.55426°,δ84.11927°,λ168.88658°. NP2:ϕ_s207.70726°,δ78.94580°,λ5.99231°. Principal axes: T 1.9661,Plg12.0068°,Azm71.7376°; N -0.0865,Plg77.4439°,Azm269.0084° ; P -1.8796,Plg3.6195°,Azm162.5084° $M_0$1.92431×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112072130A. Moment Tensor Solution. s111,c192; s154,c304;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.03±.03 $M_{\theta\theta}$-1.80±.03; $M_{\phi\phi}$1.78±.02; $M_{r\theta}$-0.30±.06; $M_{\theta\phi}$-1.50±.02; $M_{\phi r}$-0.27±.06; Best double couple: NP1: ϕ_s115.00000°,δ81.00000°,λ-176.00000°. NP2:ϕ_s25.00000°,δ87.00000°,λ-9.00000°. Principal axes: T 2.3360,Plg4.0000°,Azm70.0000°; N 0.0720,Plg80.0000°,Azm184.0000° ; P -2.4040,Plg9.0000°,Azm340.0000° $M_0$2.37000×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.30 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$1.66 $M_{r\theta}$-0.23 $M_{\theta\phi}$-1.25 $M_{\phi r}$0.32 NP1:ϕ_s25.48000°,δ80.78000° ,λ3.11000°. NP2:ϕ_s294.98000°,δ86.93000°,λ170.77000°. Principal axes: T 2.1661,Plg9.0000°,Azm250.0000°; N -0.3448,Plg80.0000°,Azm97.0000° ; P -1.8213,Plg4.0000°,Azm341.0000° $M_0$2.02000×10^{17}

(30) Off coast of Oregon

ISC	XII	07 21 57 58.2–.36	44.34N–.06	129.62W–.05	13	5.1s,5.1b	540	1-155
IDC	XII	07 21 57 56.3–.51	44.43N	129.79W	0	4.9s,4.6b		¶621618808
NEIC	XII	07 21 57 57.6–2.3	44.34N–.08	129.6W–.10	10–1	5.1b,5.1		
MOS	XII	07 21 57 57.9–1.2	44.37N	129.52W	21	5.3b,5.1s		
NEIC	XII	07 21 57 58.3	44.37N	129.53W	10	5.3b,5.1s		
BJI	XII	07 21 57 58.6	44.88N	130.30W	10	5.5s,5.5b		
GFZ	XII	07 21 57 59.3	44.44N	129.62W	18	5.5W,5.5b		
GFZ	XII	07 21 57 60.0–.50	44N–6.0	130W–6.0	10	5.5b,5.5		
GCMT	XII	07 21 58 00.2–.10	44.27N–.01	129.78W–.01	12	5.5W,5.5		
NEIC	XII	07 21 58 07.2	44.37N	129.53W	12	5.5,5.5		

ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=7.7km az=38.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.0km az=229.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.2km s-min=4.9km az=104.9.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.28 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$1.49 $M_{r\theta}$-0.37 $M_{\theta\phi}$-1.37 $M_{\phi r}$-0.65 NP1: ϕ_s113.31791°,δ68.13995°,λ-173.69144°. NP2:ϕ_s20.96076°,δ84.14669°,λ-21.98057°. Principal axes: T 2.1532,Plg11.0212°,Azm69.0457°; N -0.1618,Plg67.2908°,Azm186.7811° ; P -1.9914,Plg19.5967°,Azm335.0696° $M_0$2.07701×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112072157A. Moment Tensor Solution. s115,c198; s153,c315;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27±.02 $M_{\theta\theta}$-1.43±.02; $M_{\phi\phi}$1.70±.02; $M_{r\theta}$0.02±.06; $M_{\theta\phi}$-1.65±.02; $M_{\phi r}$-0.17±.06; Best double couple: NP1: ϕ_s112.00000°,δ86.00000°,λ179.00000°. NP2:ϕ_s202.00000°,δ89.00000°,λ4.00000°. Principal axes: T 2.4200,Plg4.0000°,Azm67.0000°; N -0.2770,Plg86.0000°,Azm224.0000° ; P -2.1400,Plg1.0000°,Azm337.0000° $M_0$2.28000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$1.61 $M_{r\theta}$0.02 $M_{\theta\phi}$-1.48 $M_{\phi r}$-0.51 NP1:ϕ_s111.27000°,δ77.49000° ,λ178.58000°. NP2:ϕ_s201.58000°,δ88.61000°,λ12.51000°. Principal axes: T 2.3352,Plg10.0000°,Azm67.0000°; N -0.4871,Plg77.0000°,Azm208.0000° ; P -1.8480,Plg8.0000°,Azm336.0000° $M_0$2.13000×10^{17}

(153) South Sandwich Islands region

ISC	XII	08 00 16 57.5–.31	59.74S–.05	26.39W–.05	42–2	5.4b,4.8s	498	8-173
GFZ	XII	08 00 16 54.6–.15	60S–3.0	27W–3.0	10	5.9b,5.7		¶621620185
NEIC	XII	08 00 16 56.9–1.6	59.7S–.10	26.4W–.20	35–1	5.4b,5.2		
IDC	XII	08 00 16 58.5–1.1	59.71S	26.41W	46–9	5.1,4.9b		
BJI	XII	08 00 17 00.0	59.70S	26.40W	74	5.8s,5.8		
GCMT	XII	08 00 17 01.8–.20	60.05S–.01	25.75W–.02	36–0	5.3W,5.8		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080017B. Moment Tensor Solution. s68,c105; s99,c161; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.79±.04 $M_{\theta\theta}$0.37±.03; $M_{\phi\phi}$-1.16±.03; $M_{r\theta}$-0.45±.03; $M_{\theta\phi}$-0.42±.02; $M_{\phi r}$0.45±.03; Best double couple: NP1:ϕ_s226.00000°,δ47.00000° ,λ142.00000°. NP2:ϕ_s344.00000°,δ63.00000°,λ50.00000°. Principal axes: T 1.2330,Plg53.0000°,Azm205.0000°; N 0.0900,Plg35.0000°,Azm5.0000° ; P -1.3240,Plg10.0000°,Azm102.0000° $M_0$1.27900×10^{17}

(30) Off coast of Oregon

ISC	XII	08 00 36 39.5–.46	44.32N–.05	129.57W–.05	15–2	5.5s,5.3b	828	2-155
IDC	XII	08 00 36 36.9–.49	44.31N	129.70W	0	5.3s,4.7b		¶621620187
NEIC	XII	08 00 36 38.9–2.2	44.43N–.06	129.5W–.10	10–1	5.8,5.6		
NEIC	XII	08 00 36 38.8	44.40N	129.53W	10	5.8,5.6		
NEIC	XII	08 00 36 38.7	44.39N	129.56W	10	5.8,5.6		
ISC-P	XII	08 00 36 38	44.43N	129.53W	13–1	,5.6		
MOS	XII	08 00 36 39.0–1.3	44.28N	129.55W	23	5.6b,5.5s		
BJI	XII	08 00 36 39.8	44.94N	130.36W	10	5.9s,5.7b		
GFZ	XII	08 00 36 40.0	44.29N	129.63W	20	5.8W,5.7b		

GFZ XII 08 00 36 40.8–.28 44N–4.0 130W–4.0 10 5.9b,5.8
GCMT XII 08 00 36 41.3–.10 44.22N–.01 129.69W–.01 14–0 5.8W,5.8
PTWC XII 08 00 36 41 44.40N 129.30W 10 6.0,5.8
NEIC XII 08 00 36 47.3 44.30N 129.53W 12 5.8,5.8
ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=8.3km az=32.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=8.9km az=240.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.16 $M_{\theta\theta}$-5.19 $M_{\phi\phi}$4.03 $M_{r\theta}$0.30 $M_{\theta\phi}$-3.02 $M_{\phi r}$-2.01 NP1:ϕ_s210.86000°,δ75.38000°,λ18.71000°. NP2:ϕ_s115.97000°,δ71.92000° ,λ164.60000°. Principal axes: T 5.7992,Plg23.0000°,Azm74.0000°; N 0.3030,Plg66.0000° ,Azm248.0000°; P -6.1021,Plg2.0000°,Azm343.0000° M_o5.96000×10^{17}
NEIC Event type se.
NEIC Event type se.
ISC-P Moment Tensor Solution. s47 Moment tensor: M_{rr}0.13±.15 $M_{\theta\theta}$-0.35±.14; $M_{\phi\phi}$0.82±.15; $M_{r\theta}$-0.15±.20; $M_{\theta\phi}$-0.03±.12; $M_{\phi r}$-0.26±.10; NP1:ϕ_s32.10000°,δ79.50000°,λ349.80000°. NP2: ϕ_s124.00000°,δ80.00000°,λ-169.30000°.
MOS Error ellipse: s-maj=7.8km s-min=4.6km az=102.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.57 $M_{\theta\theta}$-4.80 $M_{\phi\phi}$5.37 $M_{r\theta}$-0.37 $M_{\theta\phi}$-2.90 $M_{\phi r}$-1.56 NP1: ϕ_s119.76170°,δ75.70278°,λ177.96727°. NP2:ϕ_s210.26389°,δ88.03025°,λ14.30586°. Principal axes: T 6.4254,Plg11.4742°,Azm75.9048°; N -0.7436,Plg75.5620°,Azm217.9404° ; P -5.6818,Plg8.6453°,Azm344.1363° M_o6.08776×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112080036A. Moment Tensor Solution. s139,c283; s160,c502;Duration: 2τ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73±.05 $M_{\theta\theta}$-5.82±.05; $M_{\phi\phi}$6.56±.06; $M_{r\theta}$0.70±.17; $M_{\theta\phi}$-3.78±.05; $M_{\phi r}$-0.92±.16; Best double couple: NP1:ϕ_s209.00000°,δ82.00000°,λ2.00000°. NP2:ϕ_s119.00000°,δ88.00000°,λ172.00000°. Principal axes: T 7.7590,Plg7.0000°,Azm74.0000°; N -0.8400,Plg82.0000°,Azm283.0000° ; P -6.9130,Plg4.0000°,Azm165.0000° M_o7.33600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4τ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.14 $M_{\theta\theta}$-4.67 $M_{\phi\phi}$5.81 $M_{r\theta}$-0.68 $M_{\theta\phi}$-3.37 $M_{\phi r}$-1.93 NP1:ϕ_s118.56000°,δ71.46000° ,λ-177.82000°. NP2:ϕ_s27.87000°,δ87.94000°,λ-18.55000°. Principal axes: T 7.1415,Plg11.0000°,Azm75.0000°; N -1.1651,Plg71.0000°,Azm202.0000° ; P -5.9763,Plg14.0000°,Azm342.0000° M_o6.64000×10^{17}

(30) Off coast of Oregon

ISC	**XII**	**08 01 21 06.5–.42**	**44.23N–.05**	**129.40W–.04**	**11–2**	**5.5s,5.4b**	**936**	**2-155**
BJI	XII	08 01 21 03.0	44.40N	129.00W	10	5.9s,5.7b		**¶621620189**
NEIC	XII	08 01 21 05.8–1.4	44.26N–.08	129.4W–.10	10–1	5.8,5.6b		
NEIC	XII	08 01 21 05.7	44.44N	128.97W	10	5.8,5.6b		
NEIC	XII	08 01 21 05.7	44.44N	128.97W	10	5.8,5.6b		
IDC	XII	08 01 21 05.3–.42	44.30N	129.53W	0	5.3s,4.9b		
MOS	XII	08 01 21 06.3–1.3	44.19N	129.37W	20	5.6b,5.5s		
GFZ	XII	08 01 21 07.2	44.25N	129.50W	22	5.7W,5.5s		
GFZ	XII	08 01 21 08.5–.38	44N–4.0	129W–5.0	10	6.0,5.9b		
GCMT	XII	08 01 21 09.0–.10	44.18N–.01	129.63W–.01	15–0	5.8W,5.9b		
BGR	XII	08 01 21 12.6	44.37N	129.83W	33	5.3b,5.3s		
PTWC	XII	08 01 21 12	44.30N	129.10W	40	6.0,5.3s		
NEIC	XII	08 01 21 16.1	44.14N	129.53W	12	5.8,5.3s		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=7.9km az=232.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.85 $M_{\theta\theta}$-7.64 $M_{\phi\phi}$5.79 $M_{r\theta}$-0.97 $M_{\theta\phi}$-1.31 $M_{\phi r}$0.40 NP1:ϕ_s39.44000°,δ81.24000°,λ1.01000°. NP2:ϕ_s309.29000°,δ89.00000° ,λ171.23000°. Principal axes: T 5.9798,Plg7.0000°,Azm264.0000°; N 1.8754,Plg81.0000° ,Azm123.0000°; P -7.8551,Plg5.0000°,Azm355.0000° M_o7.11000×10^{17}
NEIC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=7.7km az=37.0.
MOS Error ellipse: s-maj=6.9km s-min=4.2km az=105.2.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$-4.30 $M_{\phi\phi}$4.80 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.87 $M_{\phi r}$-1.08 NP1: ϕ_s123.35836°,δ80.98725°,λ174.37450°. NP2:ϕ_s214.24239°,δ84.44417°,λ9.05564°. Principal axes: T 5.3574,Plg10.3249°,Azm79.0248°; N -0.6786,Plg79.3880°,Azm245.5190° ; P -4.6788,Plg2.4250°,Azm348.5828° M_o5.05240×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112080121A. Moment Tensor Solution. s137,c275; s164,c466;Duration: 1τ9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43±.05 $M_{\theta\theta}$-5.67±.05; $M_{\phi\phi}$6.10±.06; $M_{r\theta}$0.24±.16; $M_{\theta\phi}$-2.43±.05; $M_{\phi r}$-0.48±.15; Best double couple: NP1:ϕ_s214.00000°,δ86.00000°,λ2.00000°. NP2:ϕ_s124.00000°,δ88.00000°,λ176.00000°. Principal axes: T 6.6200,Plg4.0000°,Azm79.0000°; N -0.4620,Plg86.0000°,Azm278.0000° ; P -6.1560,Plg1.0000°,Azm169.0000° M_o6.38800×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3τ1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87 $M_{\theta\theta}$-4.43 $M_{\phi\phi}$5.29 $M_{r\theta}$-2.04 $M_{\theta\phi}$-2.15 $M_{\phi r}$1.43 NP1:ϕ_s32.54000°,δ64.09000° ,λ-4.72000°. NP2:ϕ_s124.60000°,δ85.75000°,λ-154.01000°. Principal axes: T 6.2316,Plg15.0000°,Azm256.0000°; N -0.6899,Plg64.0000°,Azm133.0000° ; P -5.5416,Plg21.0000°,Azm352.0000° M_o6.92000×10^{17}

(30) Off coast of Oregon

ISC	**XII**	**08 05 15 24.9–.45**	**44.29N–.05**	**129.46W–.05**	**11–2**	**5.3b,4.9s**	**602**	**2-154**
BJI	XII	08 05 15 21.5	44.40N	129.40W	10	5.4s,5.4b		**¶621620211**
IDC	XII	08 05 15 24.2–.51	44.55N	129.44W	0	4.8s,4.6b		
NEIC	XII	08 05 15 24.9–1.4	44.36N–.07	129.4W–.10	10–1	5.4,5.3b		
NEIC	XII	08 05 15 25	44.37N	129.38W	10	5.4,5.3b		
MOS	XII	08 05 15 25.5–1.1	44.50N	129.29W	18	5.4b,4.9s		
GFZ	XII	08 05 15 25.8	44.32N	129.46W	21	5.4W,4.9s		
NEIC	XII	08 05 15 25	44.37N	129.38W	10	5.4W,4.9s		
GFZ	XII	08 05 15 26.3–.59	44N–5.0	130W–7.0	10	5.6b,5.4		
GCMT	XII	08 05 15 26.1–.10	44.25N–.01	129.67W–.01	12	5.5W,5.4		
BGR	XII	08 05 15 31.2	44.58N	129.56W	33	5.1b,5.0s		
NEIC	XII	08 05 15 35.8	44.37N	129.38W	12	5.4,5.0s		

ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=8.6km az=31.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=8.1km az=235.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.33 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$1.29 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.70 $M_{\phi r}$-0.25 NP1:ϕ_s212.71000°,δ83.21000°,λ9.80000°. NP2:ϕ_s121.54000°,δ80.27000° ,λ173.11000°. Principal axes: T 1.4998,Plg12.0000°,Azm77.0000°; N 0.2845,Plg78.0000° ,Azm247.0000°; P -1.7843,Plg2.0000°,Azm347.0000° M_o1.66000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=9.2km s-min=5.1km az=100.4.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.38 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$1.43 $M_{r\theta}$-0.24 $M_{\theta\phi}$-0.89 $M_{\phi r}$-0.39 NP1: ϕ_s117.98130°,δ71.12135°,λ-172.44500°. NP2:ϕ_s25.52401°,δ82.85360°,λ-19.03211°. Principal axes: T 1.7532,Plg8.0957°,Azm73.0557°; N -0.3119,Plg69.7170°,Azm185.6926° ; P -1.4412,Plg18.4672°,Azm340.3329° M_o1.61990×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080515A. Moment Tensor Solution. s105,c179; s152,c309;Duration: 1τ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.02 $M_{\theta\theta}$-1.26±.02; $M_{\phi\phi}$1.67±.02; $M_{r\theta}$0.14±.05; $M_{\theta\phi}$-1.17±.02; $M_{\phi r}$-0.30±.05; Best double couple: NP1: ϕ_s206.00000°,δ84.00000°,λ4.00000°. NP2:ϕ_s115.00000°,δ86.00000°,λ174.00000°. Principal axes: T 2.1240,Plg7.0000°,Azm71.0000°; N -0.4570,Plg82.0000°,Azm261.0000° ; P -1.6710,Plg1.0000°,Azm161.0000° M_o1.89700×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2τ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66 $M_{\theta\theta}$-0.97 $M_{\phi\phi}$1.63 $M_{r\theta}$-0.20 $M_{\theta\phi}$-0.93 $M_{\phi r}$0.19 NP1:ϕ_s27.00000°,δ77.72000° ,λ-4.71000°. NP2:ϕ_s118.01000°,δ85.40000°,λ-167.68000°. Principal axes: T 1.9516,Plg5.0000°,Azm252.0000°; N -0.6514,Plg77.0000°,Azm138.0000° ; P -1.3003,Plg12.0000°,Azm343.0000° M_o1.72000×10^{17}

(30) Off coast of Oregon

ISC	**XII**	**08 05 43 29.9–.41**	**44.55N–.06**	**129.69W–.06**	**10**	**5.0b,4.7s**	**342**	**1-150**
IDC	XII	08 05 43 26.7–.65	44.50N	130.05W	0	4.6s,4.2b		**¶621620215**
BJI	XII	08 05 43 26.0	44.40N	129.60W	10	5.4s,5.3b		
NEIC	XII	08 05 43 29.6–2.3	44.50N–.08	129.7W–.10	10–1	5.2b,4.5L		
GFZ	XII	08 05 43 34.8–.47	45N–5.0	129W–6.0	10	5.8b,5.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(30) Off coast of Oregon

ISC	**XII**	**08 05 51 07.7–.53**	**44.29N–.07**	**129.28W–.07**	**13**	**4.9b**	**193**	**2-149**
BJI	XII	08 05 51 04.0	44.20N	129.30W	10	5.5b,5.3s		**¶621634675**
IDC	XII	08 05 51 06.9–.95	44.68N	129.35W	0	4.7s,4.4b		
NEIC	XII	08 05 51 07.0–1.5	44.19N–.08	129.3W–.10	10–1	5.0b,4.3L		
NEIC	XII	08 05 51 07.2	44.20N	129.27W	10	5.0b,4.3L		
GFZ	XII	08 05 51 08.1–.52	44N–6.0	130W–6.0	10	6.7b,6.5		
GCMT	XII	08 05 51 11.1–.20	44.11N–.01	129.49W–.01	12	5.2W,6.5		
NEIC	XII	08 05 51 16.6	44.20N	129.27W	12	5.1,6.5		

ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=10.8km az=40.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.1km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080551A. Moment Tensor Solution. s5,c6; s127,c225; Duration: 1τ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.02 $M_{\theta\theta}$-0.55±.02; $M_{\phi\phi}$0.62±.01; $M_{r\theta}$-0.29±.06; $M_{\theta\phi}$-0.51±.01; $M_{\phi r}$0.08±.05; Best double couple: NP1:ϕ_s24.00000°,δ69.00000° ,λ-5.00000°. NP2:ϕ_s116.00000°,δ85.00000°,λ-158.00000°. Principal axes: T 0.8540,Plg11.0000°,Azm248.0000°; N -0.0310,Plg68.0000°,Azm128.0000° ; P -0.8210,Plg19.0000°,Azm342.0000° M_o0.83800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 1τ9 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.85 $M_{\theta\theta}$-3.58 $M_{\phi\phi}$4.43 $M_{r\theta}$-2.26 $M_{\theta\phi}$-3.90 $M_{\phi r}$1.38 NP1:ϕ_s23.07000°,δ64.38000° ,λ-2.22000°. NP2:ϕ_s114.03000°,δ87.99000°,λ-154.36000°. Principal axes: T 6.6361,Plg16.0000°,Azm246.0000°; N -0.9205,Plg64.0000°,Azm118.0000° ; P -5.7157,Plg19.0000°,Azm342.0000° M_o6.23000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**XII**	**08 07 22 18.3–.24**	**37.73N–.03**	**141.62E–.04**	**55–1**	**5.2b,4.4s**	**1049**	**1-156**
BJI	XII	08 07 22 07.9	37.59N	142.12E	21	5.2b,5.2b		**¶621620225**
IDC	XII	08 07 22 10.9–.35	37.73N	141.59E	0	4.9b,4.9		
MOS	XII	08 07 22 16.4–.82	37.82N	141.69E	57	5.4b,5.3s		
BGR	XII	08 07 22 17.6	37.81N	141.62E	33	5.2b,5.3s		
JMA	XII	08 07 22 18.2–.05	37.7N–.10	141.6E–.20	53–0	5.0,4.8W		
GFZ	XII	08 07 22 18.8–.11	38N–2.0	142E–3.0	54	5.9,5.8		
NEIC	XII	08 07 22 18.7–1.4	37.75N–.06	141.6E–.10	54–4	5.1b,5.8		
NIED	XII	08 07 22 18.2	37.72N	141.57E	53	4.8W,5.8		

ISC Event type ke.
IDC Error ellipse: s-maj=9.6km s-min=7.7km az=120.0.
MOS Error ellipse: s-maj=6.6km s-min=4.9km az=112.4.
BGR Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.8km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.64 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-1.66 $M_{r\theta}$0.25 $M_{\theta\phi}$-0.21 $M_{\phi r}$0.47 NP1:ϕ_s181.00000°,δ37.00000°,λ80.00000°. NP2:ϕ_s13.00000° ,δ54.00000°,λ98.00000°. M_o1.75000×10^{16}

(69) Near coast of Chiapas

ISC	**XII**	**08 07 35 46.9–.85**	**14.67N–.04**	**93.79W–.04**	**46–8**	**4.7b,4.2s**	**468**	**1-145**
CATAC	XII	08 07 35 44.5–.40	15N–2.0	94W–2.0	6–2	5.7b,5.2		**¶621620227**
GFZ	XII	08 07 35 44.9–.28	15N–4.0	94W–4.0	10	5.5L,5.4b		
GCG	XII	08 07 35 46.4–.93	14.58N	93.55W	21–83	5.0L,5.0		
NEIC	XII	08 07 35 46.9–2.7	14.77N–.05	93.71W–.01	35–1	4.8,4.7b		
MEX	XII	08 07 35 46.6–1.0	14.72N	93.72W	10	4.8,4.7b		
IDC	XII	08 07 35 49.8–2.5	14.86N	93.47W	65–21	4.4,4.3s		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.4km s-min=2.8km az=43.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.66 $M_{\theta\theta}$1.26 $M_{\phi\phi}$-4.92 $M_{r\theta}$5.06 $M_{\theta\phi}$-2.82 $M_{\phi r}$-4.27 NP1:ϕ_s160.56785° ,δ72.55533°,λ52.40761°. NP2:ϕ_s49.29264°,δ40.89356°,λ152.74657°. Principal axes: T 9.4739,Plg48.2882°,Azm30.1549°; N -2.7025,Plg35.5901°,Azm173.5642° ; P -6.7713,Plg18.8167°,Azm277.6791° M_o8.45309×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.53 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-4.88 $M_{r\theta}$4.31 $M_{\theta\phi}$-5.48 $M_{\phi r}$-3.88 NP1: ϕ_s181.71174°,δ59.85899°,λ43.63070°. NP2:ϕ_s66.13200°,δ53.36515°,λ141.26331°. Principal axes: T 10.2156,Plg50.9866°,Azm37.3184°; N -1.5186,Plg38.7511°,Azm209.4885° ; P -8.6970,Plg3.8348°,Azm302.5725° M_o9.54734×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCG Event type se. Error ellipse: s-maj=23.4km s-min=51.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=2.9km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.9km s-min=6.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.1km s-min=11.0km az=52.0.

(30) Off coast of Oregon

ISC	**XII**	**08 10 14 31.3–.51**	**44.26N–.06**	**129.43W–.07**	**13**	**4.8b,4.3s**	**326**	**2-149**
IDC	XII	08 10 14 29.9–.70	44.21N	129.55W	0	4.3b,4.2		**¶621620582**
NEIC	XII	08 10 14 30.8–1.1	44.32N–.07	129.4W–.10	10–1	5.0b,4.0L		
NEIC	XII	08 10 14 31	44.34N	129.41W	10	5.0b,4.0L		
GFZ	XII	08 10 14 31.5–.38	44N–5.0	130W–5.0	10	5.7b,5.2		
GFZ	XII	08 10 14 31.5	44.22N	129.66W	24	5.0W,5.2		
GCMT	XII	08 10 14 32.8–.20	44.11N–.01	129.57W–.01	18–1	5.1W,5.2		
NEIC	XII	08 10 14 36.9	44.14N	129.55W	14	5.1,5.2		

ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=9.2km az=40.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=9.2km az=242.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.04 $M_{\theta\theta}$-2.25 $M_{\phi\phi}$3.29 $M_{r\theta}$-0.59 $M_{\theta\phi}$-3.12 $M_{\phi r}$-1.82 NP1: ϕ_s111.66278°,δ63.43574°,λ-172.51414°. NP2:ϕ_s18.29978°,δ83.30823°,λ-26.76093°. Principal axes: T 5.0308,Plg13.5221°,Azm67.8055°; N -0.8203,Plg62.4751°,Azm185.2884° ; P -4.2104,Plg23.4917°,Azm331.8057° M_o4.67490×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081014A. Moment Tensor Solution. s56,c70; s137,c243; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.11±.15 $M_{\theta\theta}$-4.19±.13; $M_{\phi\phi}$4.30±.12; $M_{r\theta}$-0.81±.28; $M_{\theta\phi}$-4.43±.11; $M_{\phi r}$0.52±.26; Best double couple: NP1:ϕ_s22.00000°,δ81.00000° ,λ1.00000°. NP2:ϕ_s292.00000°,δ89.00000°,λ171.00000°. Principal axes: T 6.2910,Plg7.0000°,Azm247.0000°; N -0.1600,Plg81.0000°,Azm103.0000° ; P -6.1300,Plg5.0000°,Azm337.0000° M_o6.21100×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1τ7 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57 $M_{\theta\theta}$-2.65 $M_{\phi\phi}$3.23 $M_{r\theta}$-1.40 $M_{\theta\phi}$-3.59 $M_{\phi r}$0.43 NP1:ϕ_s19.27000°,δ71.92000° ,λ-3.77000°. NP2:ϕ_s110.45000°,δ86.41000°,λ-161.89000°. Principal axes: T 5.1005,Plg10.0000°,Azm243.0000°; N -0.4537,Plg72.0000°,Azm121.0000° ; P -4.6468,Plg15.0000°,Azm336.0000° M_o4.89000×10^{16}

(30) Off coast of Oregon

ISC	**XII**	**08 11 29 42.1–.58**	**44.30N–.07**	**129.53W–.08**	**13**	**4.7b,4.1s**	**228**	**2-134**
IDC	XII	08 11 29 40.4–.88	44.25N	129.69W	0	4.1b,4.1		**¶621620589**
NEIC	XII	08 11 29 41.5–1.7	44.33N–.07	129.4W–.10	10–1	4.8b,3.9L		
NEIC	XII	08 11 29 41.5	44.33N	129.45W	10	4.8b,3.9L		

GCMT XII 08 11 29 43.8–.20 44.07N–.01 129.59W–.02 16–1 5.0W,3.9L
GFZ XII 08 11 29 43.9–.44 44N–5.0 130W–5.0 10 6.4b,6.2
NEIC XII 08 11 29 48.2 44.13N 129.45W 14 4.9,6.2
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=9.8km az=44.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=6.4km az=233.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081129A. Moment Tensor Solution. s32,c38; s107,c177; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.64±.10 $M_{\theta\theta}$-2.38±.10; $M_{\phi\phi}$1.75±.07; $M_{r\theta}$-0.54±.27; $M_{\theta\phi}$-2.29±.08; $M_{\phi r}$0.99±.27; Best double couple: NP1:ϕ_s23.00000°,δ73.00000° ,λ16.00000°. NP2:ϕ_s289.00000°,δ75.00000°,λ162.00000°. Principal axes: T 3.2540,Plg23.0000°,Azm246.0000°; N 0.1540,Plg67.0000°,Azm69.0000° ; P -3.4010,Plg1.0000°,Azm336.0000° $M_0$3.32700×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1s4 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.09 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$1.55 $M_{r\theta}$-0.18 $M_{\theta\phi}$-1.95 $M_{\phi r}$0.18 NP1:ϕ_s19.00000°,δ84.77000° ,λ2.27000°. NP2:ϕ_s288.80000°,δ87.74000°,λ174.77000°. Principal axes: T 2.5305,Plg5.0000°,Azm244.0000°; N -0.1112,Plg84.0000°,Azm85.0000° ; P -2.4193,Plg2.0000°,Azm334.0000° $M_0$2.48000×10^{16}

(207) Eastern New Guinea region

ISC XII 08 13 19 31.1–.43 7.87S–.05 147.35E–.07 52 4.5b,3.7s 141 2-146
IDC XII 08 13 19 24.1–.74 7.78S 147.33E 0 4.4L,4.3b **¶621634704**
NEIC XII 08 13 19 30.7–1.3 7.88S–.07 147.38E–.09 44–2 4.5b,4.3b
DJA XII 08 13 19 33.9–.70 8S–4.0 147E–6.0 39–6 6.1b,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(30) Off coast of Oregon

ISC XII 08 13 30 22.5–.47 44.34N–.06 129.41W–.06 13 4.9b,4.4s 231 2-149
BJI XII 08 13 30 18.0 44.30N 129.50W 10 5.2s,5.2b **¶621622047**
NEIC XII 08 13 30 21.6 44.31N 129.49W 10 5.2s,5.2b
IDC XII 08 13 30 21.9–.69 44.30N 129.45W 0 4.3s,4.2b
GFZ XII 08 13 30 22.4–.44 44N–6.0 130W–6.0 10 6.4b,6.2
GFZ XII 08 13 30 22.6 44.21N 129.70W 10 5.0W,6.2
NEIC XII 08 13 30 22.3–1.6 44.37N–.07 129.30W–.10 10–1 5.0b,4.2L
GCMT XII 08 13 30 25.5–.20 44.09N–.01 129.59W–.01 18–0 5.2W,4.2L
NEIC XII 08 13 30 30.4 44.11N 129.35W 14 5.1,4.2L
ISC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=8.7km az=38.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.34 $M_{\theta\theta}$-2.43 $M_{\phi\phi}$1.09 $M_{r\theta}$0.53 $M_{\theta\phi}$-2.78 $M_{\phi r}$0.21 NP1: ϕ_s286.16084°,δ88.16026°,λ-173.27584°. NP2:ϕ_s195.94397°,δ83.27932°,λ-1.85248°. Principal axes: T 2.6240,Plg3.4427°,Azm60.8703°; N 1.3931,Plg83.0298°,Azm301.3931° ; P -4.0172,Plg6.0533°,Azm151.2359° $M_0$3.53301×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.0km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081330A. Moment Tensor Solution. s70,c97; s139,c246; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.32±.14 $M_{\theta\theta}$-4.48±.13; $M_{\phi\phi}$4.16±.11; $M_{r\theta}$-0.35±.28; $M_{\theta\phi}$-5.23±.11; $M_{\phi r}$1.13±.27; Best double couple: NP1:ϕ_s289.00000°,δ82.00000° ,λ174.00000°. NP2:ϕ_s20.00000°,δ84.00000°,λ8.00000°. Principal axes: T 6.8350,Plg10.0000°,Azm245.0000°; N 0.1120,Plg80.0000°,Azm58.0000° ; P -6.9470,Plg1.0000°,Azm155.0000° $M_0$6.89100×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.13 $M_{\theta\theta}$-2.99 $M_{\phi\phi}$3.13 $M_{r\theta}$-1.13 $M_{\theta\phi}$-4.09 $M_{\phi r}$0.67 NP1:ϕ_s18.72000°,δ76.01000° ,λ2.22000°. NP2:ϕ_s288.19000°,δ87.85000°,λ166.00000°. Principal axes: T 5.3984,Plg11.0000°,Azm243.0000°; N -0.2496,Plg76.0000°,Azm100.0000° ; P -5.1488,Plg8.0000°,Azm334.0000° $M_0$5.28000×10^{16}

(480) Kansas

ISC XII 08 13 45 26.7–.38 38.66N–.03 97.45W–.03 10 4.3b,3.9s 167 1-98
IDC XII 08 13 45 25.7–.64 38.65N 97.41W 0 4.1b,4.1 **¶621622049**
GFZ XII 08 13 45 27.2–.22 39N–3.0 97W–3.0 10 5.5b,5.2L
NEIC XII 08 13 45 28.3–.96 38.65N–.04 97.45W–.03 3–1 4.5,4.4L
NEIC XII 08 13 45 28.3 38.66N 97.45W 1 4.5,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=10.9km s-min=8.4km az=161.0.
GFZ Error ellipse: s-maj=5.9km s-min=5.6km az=136.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.9km az=32.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.72 $M_{\theta\theta}$3.14 $M_{\phi\phi}$-2.42 $M_{r\theta}$-0.50 $M_{\theta\phi}$0.78 $M_{\phi r}$1.39 NP1:ϕ_s123.43000°,δ73.49000°,λ-24.81000°. NP2:ϕ_s220.91000°,δ66.28000° ,λ-161.91000°. Principal axes: T 3.2736,Plg5.0000°,Azm173.0000°; N 0.0634,Plg60.0000° ,Azm272.0000°; P -3.3370,Plg29.0000°,Azm81.0000° $M_0$3.31000×10^{15}
NEIC Event type se.

(30) Off coast of Oregon

ISC XII 08 15 38 21.0–.43 44.30N–.05 129.31W–.04 10–2 5.3b,4.7s 556 2-154
IDC XII 08 15 38 19.0–.56 44.34N 129.58W 0 4.6b,4.6 **¶621622056**
BJI XII 08 15 38 19.2 44.39N 129.83W 7 5.3s,5.3b
MOS XII 08 15 38 19.9–.99 44.23N 129.39W 19 5.4b,4.7s
NEIC XII 08 15 38 20.3–1.3 44.30N–.06 129.5W–.10 10–1 5.4b,4.5L
NEIC XII 08 15 38 20.2 44.26N 129.50W 10 5.4b,4.5L
GFZ XII 08 15 38 21.8 44.26N 129.51W 15 5.2W,4.5L
GFZ XII 08 15 38 23.3–.47 44N–5.0 129W–6.0 10 5.6b,5.4
GCMT XII 08 15 38 23.1–.10 44.10N–.01 129.57W–.01 15–0 5.4W,5.4
BGR XII 08 15 38 25.4 44.43N 129.88W 33 5.0s,4.8b
NEIC XII 08 15 38 27.4 44.26N 129.50W 12 5.3,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=17.5km s-min=8.4km az=34.0.
MOS Error ellipse: s-maj=9.1km s-min=5.5km az=102.4.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=3.8km az=235.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88 $M_{\theta\theta}$6.95 $M_{r\theta}$1.10 $M_{\theta\phi}$-6.24 $M_{\phi r}$-0.71 NP1: ϕ_s113.15062°,δ89.80243°,λ171.87363°. NP2:ϕ_s203.17883°,δ81.87368°,λ0.19957°. Principal axes: T 9.5692,Plg5.8769°,Azm67.8756°; N -0.9185,Plg81.8712°,Azm291.7673° ; P -8.6507,Plg5.5961°,Azm158.4535° $M_0$9.14464×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081538A. Moment Tensor Solution. s105,c171; s144,c285;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.02±.02 $M_{\theta\theta}$-0.92±.02; $M_{\phi\phi}$0.90±.02; $M_{r\theta}$-0.07±.05; $M_{\theta\phi}$-1.07±.02; $M_{\phi r}$0.18±.05; Best double couple: NP1: ϕ_s290.00000°,δ84.00000°,λ175.00000°. NP2:ϕ_s20.00000°,δ85.00000°,λ6.00000°. Principal axes: T 1.4210,Plg8.0000°,Azm245.0000°; N -0.0050,Plg82.0000°,Azm61.0000° ; P -1.4170,Plg1.0000°,Azm155.0000° $M_0$1.41900×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$0.89 $M_{r\theta}$-0.12 $M_{\theta\phi}$-0.85 $M_{\phi r}$-0.01 NP1:ϕ_s22.47000°,δ84.74000° ,λ-2.92000°. NP2:ϕ_s112.74000°,δ87.10000°,λ-174.73000°. Principal axes: T 1.2375,Plg2.0000°,Azm248.0000°; N -0.0627,Plg84.0000°,Azm142.0000° ; P -1.1748,Plg6.0000°,Azm338.0000° $M_0$1.21000×10^{17}

(30) Off coast of Oregon

ISC XII 08 22 21 38.7–.57 44.06N–.07 129.24W–.07 10 4.6b,4.2s 264 2-149
IDC XII 08 22 21 37.3–.88 44.15N 129.59W 0 4.2s,4.1b **¶621622161**
GFZ XII 08 22 21 38.8–.43 44N–5.0 130W–5.0 10 5.5b,5.5
NEIC XII 08 22 21 38.6–1.3 44.01N–.03 129.2W–.10 10–1 4.6b,4.3L
BGR XII 08 22 21 54.9 44.61N 129.36W 33 4.7b,4.7s
ISC Event type ke.
IDC Error ellipse: s-maj=25.5km s-min=10.5km az=37.0.
GFZ Error ellipse: s-maj=13.7km s-min=8.2km az=47.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=2.8km az=253.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

(694) Central East Pacific Rise

ISC XII 08 23 25 15.0–.70 2.93S–.09 102.5W–.10 10 4.9b,4.7s 122 21-138
GFZ XII 08 23 24 55.2–.44 5S–6.0 103W–7.0 10 5.8b,5.3 **¶621622166**
IDC XII 08 23 25 13.6–.89 2.97S 102.75W 0 4.7s,4.2b
NEIC XII 08 23 25 16.2–1.4 3.0S–.10 102.5W–.10 10–1 5.3,5.1b
GCMT XII 08 23 25 19.6–.10 2.80S–.01 102.48W–.01 15–0 5.3W,5.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112082325A. Moment Tensor Solution. s81,c126; s143,c244;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13±.01 $M_{\theta\theta}$-0.70±.01; $M_{\phi\phi}$0.83±.02; $M_{r\theta}$-0.29±.04; $M_{\theta\phi}$-0.58±.01; $M_{\phi r}$0.05±.04; Best double couple: NP1:ϕ_s25.00000° ,δ73.00000°,λ-7.00000°. NP2:ϕ_s118.00000°,δ83.00000°,λ-163.00000°. Principal axes: T 1.0480,Plg7.0000°,Azm250.0000°; N -0.0650,Plg71.0000°,Azm139.0000° ; P -0.9820,Plg17.0000°,Azm343.0000° $M_0$1.01500×10^{17}

(238) Ryukyu Islands

ISC XII 09 02 05 08.0–.36 29.39N–.02 129.44E–.02 14–2 5.8b,5.7s 1839 0-177
IDC XII 09 02 05 05.6–.33 29.41N 129.42E 0 5.6s,5.2b **¶621622869**
BJI XII 09 02 05 06.1 29.26N 129.50E 18 6.2s,6.2b
ISC-P XII 09 02 05 07 29.41N 129.39E 14–0 6.2,6.2b
MOS XII 09 02 05 07.1–1.0 29.42N 129.39E 18 6.1s,5.8b
NEIC XII 09 02 05 07.7–1.4 29.41N–.05 129.39E–.07 7–1 6.0b,5.8
JMA XII 09 02 05 08.0–.10 29N–1.0 129E–2.0 14 6.1,5.9W
NIED XII 09 02 05 08.0 29.34N 129.45E 14 6.0W,5.9W
GFZ XII 09 02 05 08.3 29.41N 129.47E 10 5.9W,5.9W
NEIC XII 09 02 05 09.7 29.43N 129.42E 17 5.9W,5.9W
NEIC XII 09 02 05 09.7 29.44N 129.41E 17 5.9W,5.9W
GFZ XII 09 02 05 09.4–.15 29N–2.0 130E–3.0 10 6.3b,6.2
GCMT XII 09 02 05 10.7–.10 29.34N 129.25E 12 6.0W,6.2
KEA XII 09 02 05 11.0 29.40N 129.39E 33 5.5s,6.2
BGR XII 09 02 05 12.9 30.86N 130.82E 16–1 6.4,6.3s
PTWC XII 09 02 05 13 29.50N 129.50E 55 5.8,6.3s
NEIC XII 09 02 05 21.1 29.24N 129.64E 18 6.0,6.3s
ISC Event type ke.
IDC Error ellipse: s-maj=10.8km s-min=8.9km az=97.0.
ISC-P Moment Tensor Solution. s44 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.54±.09 $M_{\theta\theta}$0.18±.13; $M_{\phi\phi}$-0.67±.13; $M_{r\theta}$-0.02±.17; $M_{\theta\phi}$0.27±.11; $M_{\phi r}$0.19±.15; NP1:ϕ_s117.00000°,δ63.00000° ,λ334.70000°. NP2:ϕ_s219.10000°,δ67.60000°,λ-150.60000°. $M_0$2.85000×10^{18}
MOS Error ellipse: s-maj=5.8km s-min=3.5km az=108.3.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.3km az=292.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.09 $M_{\theta\theta}$2.39 $M_{\phi\phi}$1.69 $M_{r\theta}$-2.56 $M_{\theta\phi}$3.80 $M_{\phi r}$-1.11 NP1:ϕ_s209.94000°,δ33.38000°,λ-116.88000°. NP2:ϕ_s61.20000°,δ60.61000° ,λ-73.41000°. Principal axes: T 6.5199,Plg14.0000°,Azm139.0000°; N -1.5371,Plg14.0000° ,Azm233.0000°; P -4.9828,Plg70.0000°,Azm7.0000° $M_0$5.90000×10^{17}
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.49 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-0.04 $M_{r\theta}$0.22 $M_{\theta\phi}$0.39 $M_{\phi r}$0.79 NP1:ϕ_s92.00000°,δ31.00000°,λ-30.00000°. NP2:ϕ_s209.00000° ,δ75.00000°,λ-118.00000°. $M_0$1.04000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.41 $M_{\theta\theta}$5.45 $M_{\phi\phi}$-0.04 $M_{r\theta}$0.14 $M_{\theta\phi}$5.39 $M_{\phi r}$-0.55 NP1: ϕ_s45.19002°,δ47.30976°,λ-108.93867°. NP2:ϕ_s252.03248°,δ45.95363°,λ-70.61619°. Principal axes: T 8.7582,Plg0.6971°,Azm148.4584°; N -3.2090,Plg13.8015°,Azm58.2871° ; P -5.5492,Plg76.1802°,Azm241.2936° $M_0$7.67453×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112090205A. Moment Tensor Solution. s127,c280; s155,c501;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.63±.01 $M_{\theta\theta}$0.65±.01; $M_{\phi\phi}$-0.01±.01; $M_{r\theta}$0.31±.01; $M_{\theta\phi}$0.63±.01; $M_{\phi r}$0.60±.02; Best double couple: NP1:ϕ_s89.00000°,δ36.00000°,λ-40.00000°. NP2:ϕ_s214.00000°,δ68.00000°,λ-119.00000°. Principal axes: T 1.2130,Plg18.0000°,Azm325.0000°; N -0.2110,Plg27.0000°,Azm225.0000° ; P -1.0020,Plg57.0000°,Azm85.0000° $M_0$1.10700×10^{18}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 4s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.68 $M_{\theta\theta}$0.54 $M_{\phi\phi}$0.14 $M_{r\theta}$-0.52 $M_{\theta\phi}$0.65 $M_{\phi r}$-0.38 NP1:ϕ_s233.27000°,δ26.51000° ,λ-90.42000°. NP2:ϕ_s53.75000°,δ63.49000°,λ-89.79000°. Principal axes: T 1.2372,Plg18.0000°,Azm144.0000°; N -0.3398,Plg0.0000°,Azm234.0000° ; P -0.8974,Plg72.0000°,Azm324.0000° $M_0$1.11000×10^{18}

(30) Off coast of Oregon

ISC XII 09 04 10 54.5–.55 44.18N–.07 129.48W–.08 10 4.8b,4.0s 313 2-149
IDC XII 09 04 10 53.3–.86 44.12N 129.68W 0 4.1b,4.1 **¶621622875**
NEIC XII 09 04 10 54.2–1.9 44.24N–.07 129.5W–.10 10–1 4.9b,4.8
GFZ XII 09 04 10 55.8–.46 44N–5.0 130W–5.0 10 6.2b,5.8
GCMT XII 09 04 10 57.7–.50 44.07N–.02 129.42W–.03 14–2 4.8W,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112090410A. Moment Tensor Solution. s9,c10; s78,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.40±.12 $M_{\theta\theta}$-1.82±.12; $M_{\phi\phi}$1.42±.08; $M_{r\theta}$0.17±.25; $M_{\theta\phi}$-1.68±.09; $M_{\phi r}$-0.12±.23; Best double couple: NP1:ϕ_s202.00000°,δ84.00000° ,λ3.00000°. NP2:ϕ_s112.00000°,δ87.00000°,λ174.00000°. Principal axes: T 2.1510,Plg6.0000°,Azm67.0000°; N 0.3830,Plg84.0000°,Azm268.0000° ; P -2.5380,Plg2.0000°,Azm157.0000° $M_0$2.34500×10^{16}

(30) Off coast of Oregon

ISC XII 09 05 12 40.1–.67 44.18N–.07 129.48W–.08 13 4.5b,3.8s 125 2-149
IDC XII 09 05 12 38.1–1.2 43.97N 129.92W 0 4.0b,4.0 **¶621622877**
NEIC XII 09 05 12 40.1–1.0 44.23N–.06 129.4W–.10 10–1 4.6b,3.8L
GFZ XII 09 05 12 40.3–.47 44N–6.0 130W–5.0 10 6.1b,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(248) Philippine Islands region

ISC XII 09 12 44 59.0–.36 10.04N–.03 126.23E–.06 50–3 4.8b,3.9s 309 3-146
IDC XII 09 12 44 51.8–.40 9.99N 126.14E 0 4.4b,4.4 **¶621625204**
BJI XII 09 12 44 52.0 9.47N 126.33E 45 5.0b,4.5b
NEIC XII 09 12 44 57.8–1.6 10.02N–.04 126.13E–.09 35–1 4.9b,4.5b
DJA XII 09 12 45 04.0–.70 10N–4.0 126E–4.0 102–6 5.4,5.3b
GFZ XII 09 12 45 05.1–.66 10N–3.0 126E–5.0 106–6 5.6b,5.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(192) New Britain region

ISC XII 09 13 22 50.2–.39 5.66S–.05 152.40E–.07 35 4.6b,3.4s 102 1-150
NEIC XII 09 13 22 49.8–2.4 5.65S–.07 152.37E–.07 31–5 4.7b,3.4s **¶621625220**
DJA XII 09 13 22 54.5–.70 6S–5.0 152E–8.0 71–7 7.5,7.5b
IDC XII 09 13 22 54.0–4.4 5.45S 151.93E 62–38 4.2,4.0b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.1km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.3km s-min=20.6km az=101.0.

(192) New Britain region

ISC	**XII**	**09 13 52 34.9–.39**	**5.08S–.03**	**152.22E–.04**	**59–3**	**5.4s,5.4b**	**732**	**1-157**
BJI	XII	09 13 52 28.2	5.38S	152.33E	36	5.5b,5.4s		**¶621625209**
GFZ	XII	09 13 52 30.2	4.99S	152.06E	49	5.7W,5.4s		
NEIC	XII	09 13 52 33.0–2.2	5.06S–.05	152.24E–.03	34–1	5.6b,5.6		
IPGP	XII	09 13 52 33.0	5.04S	152.27E	44	5.8W,5.6		
MOS	XII	09 13 52 33.2–.97	4.91S	152.17E	53	5.5s,5.2b		
NEIC	XII	09 13 52 34.2	5.03S	152.24E	43	5.5s,5.2b		
NEIC	XII	09 13 52 34.2	5.03S	152.24E	43	5.5s,5.2b		
GFZ	XII	09 13 52 34.9–.41	5S–2.0	152E–3.0	53–4	6.5,5.8b		
IDC	XII	09 13 52 36.5–1.7	5.03S	152.17E	72–14	5.1s,5.0		
DJA	XII	09 13 52 36.4–.40	5S–4.0	152E–5.0	72–5	5.7b,5.7		
GCMT	XII	09 13 52 37.3–.10	5.18S–.01	152.25E–.01	48–0	5.7W,5.7		
NEIC	XII	09 13 52 37.7	5.03S	152.24E	50	5.7,5.7		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.79 $M_{\theta\theta}$-3.64 $M_{\phi\phi}$-0.15 $M_{r\theta}$1.06 $M_{\theta\phi}$-1.25 $M_{\phi r}$-0.32 NP1: ϕ_s81.53763°,δ52.32994°,λ101.78174°. NP2:ϕ_s242.69241°,δ39.20701°,λ75.18621°. Principal axes: T 3.9974,Plg78.5321°,Azm38.1055°; N 0.1506,Plg9.3010°,Azm254.2736° ; P -4.1480,Plg6.6493°,Azm163.1796° $M_0$4.07479×10^{17}
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.4km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.47 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$-1.04 $M_{r\theta}$1.52 $M_{\theta\phi}$-0.48 $M_{\phi r}$-0.14 NP1:ϕ_s232.09000°,δ29.99000°,λ68.46000°. NP2:ϕ_s76.59000°,δ62.30000° ,λ101.96000°. Principal axes: T 3.0122,Plg70.0000°,Azm12.0000°; N -0.9012,Plg11.0000° ,Azm251.0000°; P -2.1110,Plg16.0000°,Azm158.0000° $M_0$2.68000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s237.00000°,δ41.00000°,λ74.00000°. NP2:ϕ_s78.00000° ,δ51.00000°,λ103.00000°.
MOS Error ellipse: s-maj=9.2km s-min=5.8km az=109.5.
NEIC Event type se.
NEIC Event type se.
GFZ Error ellipse: s-maj=5.6km s-min=4.8km az=70.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=12.1km s-min=8.5km az=93.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112091352A. Moment Tensor Solution. s155,c313; s152,c306;Duration: 1ŝ8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.46±.05 $M_{\theta\theta}$-4.49±.03; $M_{\phi\phi}$0.02±.04; $M_{r\theta}$1.49±.04; $M_{\theta\phi}$-1.68±.03; $M_{\phi r}$-0.44±.03; Best double couple: NP1: ϕ_s240.00000°,δ39.00000°,λ71.00000°. NP2:ϕ_s83.00000°,δ54.00000°,λ104.00000°. Principal axes: T 4.8110,Plg76.0000°,Azm40.0000°; N 0.4010,Plg11.0000°,Azm254.0000° ; P -5.2170,Plg8.0000°,Azm163.0000° $M_0$5.01400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3ŝ8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.48 $M_{\theta\theta}$-3.48 $M_{\phi\phi}$-1.00 $M_{r\theta}$2.24 $M_{\theta\phi}$-1.20 $M_{\phi r}$-0.09 NP1:ϕ_s240.04000°,δ32.59000° ,λ74.67000°. NP2:ϕ_s78.06000°,δ58.71000°,λ99.59000°. Principal axes: T 5.0948,Plg74.0000°,Azm14.0000°; N -0.6477,Plg8.0000°,Azm253.0000° ; P -4.4472,Plg13.0000°,Azm161.0000° $M_0$4.80000×10^{17}

(192) New Britain region

ISC	**XII**	**09 16 46 13.8–.36**	**5.72S–.04**	**152.04E–.05**	**10**	**4.7b,3.9s**	**125**	**2-151**
GFZ	XII	09 16 46 11.7–.34	6S–5.0	152E–4.0	10	5.0b,4.7b		**¶621625225**
NEIC	XII	09 16 46 14.2–1.5	5.72S–.02	151.98E–.07	10–1	4.7b,4.7b		
IDC	XII	09 16 46 17.0–3.6	5.63S	151.94E	30–26	4.2,4.1b		
DJA	XII	09 16 46 20.8–.60	6S–6.0	152E–4.0	60–10	6.3b,6.1		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(203) Bismarck Sea

ISC	**XII**	**09 20 26 28.6–.49**	**3.23S–.06**	**148.66E–.08**	**18**	**4.5b,3.6s**	**51**	**4-146**
IDC	XII	09 20 26 25.8–.83	3.24S	148.70E	0	4.5b,4.4		**¶621626200**
BJI	XII	09 20 26 28.7	2.71S	148.37E	10	5.1b,4.5b		
DJA	XII	09 20 26 30.1–1.1	3S–6.0	149E–4.0	32–10	6.2b,5.9		

ISC Event type se.

(92) Leeward Islands

ISC	**XII**	**09 22 37 46.8–2.9**	**19.62N–.05**	**63.40W–.04**	**1–19**	**4.3b**	**289**	**2-70**
IDC	XII	09 22 37 48.0–.79	19.66N	63.35W	0	4.1,4.0b		**¶621626204**
NEIC	XII	09 22 37 48.2–2.6	19.64N–.06	63.33W–.06	10–1	4.4b,4.0b		
CATAC	XII	09 22 37 49.0	20N–4.0	63W–4.0	10–6	5.6b,5.5b		
TRN	XII	09 22 37 50.6	19.71N	63.32W	60	4.7,5.5b		
PTWC	XII	09 22 37 51	19.60N	63.40W		4.1L,5.5b		
RSPR	XII	09 22 37 54.5	19.78N	63.66W	51–10	4.2,5.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=17.7km s-min=15.9km az=98.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.6km az=42.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
TRN Far North of Anguilla.
RSPR Event type ke.

(30) Off coast of Oregon

ISC	**XII**	**09 23 32 16.6–.53**	**44.11N–.06**	**129.52W–.05**	**11–2**	**5.2b,4.8s**	**643**	**2-149**
BJI	XII	09 23 32 13.8	44.10N	129.50W	10	5.4b,5.3s		**¶621626209**
NEIC	XII	09 23 32 16.1–2.2	44.16N–.07	129.5W–.10	10–1	5.3b,4.3L		
MOS	XII	09 23 32 16.8–1.2	44.15N	129.39W	22	5.4b,4.7s		
NEIC	XII	09 23 32 16.8	44.13N	129.46W	10	5.4b,4.7s		
IDC	XII	09 23 32 16.0–.59	44.28N	129.61W	0	4.7b,4.7		
GFZ	XII	09 23 32 17.4–.20	44N–3.0	130W–3.0	10	5.6b,5.4		
GFZ	XII	09 23 32 17.4	44.17N	129.52W	10	5.2W,5.4		
GCMT	XII	09 23 32 20.1–.10	44.10N–.01	129.56W–.01	16–0	5.4W,5.4		
NEIC	XII	09 23 32 24.1	44.13N	129.46W	12	5.4,5.4		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=9.1km az=232.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.5km s-min=5.5km az=104.6.
NEIC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=8.4km az=34.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.38 $M_{\theta\theta}$-5.80 $M_{\phi\phi}$6.18 $M_{r\theta}$1.24 $M_{\theta\phi}$-6.56 $M_{\phi r}$-1.24 NP1: ϕ_s110.91940°,δ86.38252°,λ170.06370°. NP2:ϕ_s201.55267°,δ80.08370°,λ3.67242°. Principal axes: T 9.3500,Plg9.5777°,Azm65.8578°; N -0.6091,Plg79.4319°,Azm271.1119° ; P -8.7409,Plg4.4251°,Azm156.6060° $M_0$9.06081×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112092332A. Moment Tensor Solution. s107,c178; s148,c298;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.02 $M_{\theta\theta}$-1.02±.02; $M_{\phi\phi}$1.11±.02; $M_{r\theta}$-0.12±.05; $M_{\theta\phi}$-1.32±.02; $M_{\phi r}$0.08±.05; Best double couple: NP1:ϕ_s19.00000° ,δ85.00000°,λ1.00000°. NP2:ϕ_s289.00000°,δ89.00000°,λ175.00000°. Principal axes: T 1.7490,Plg4.0000°,Azm244.0000°; N -0.0890,Plg85.0000°,Azm100.0000° ; P -1.6550,Plg3.0000°,Azm335.0000° $M_0$1.70200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$0.92 $M_{r\theta}$-0.29 $M_{\theta\phi}$-1.09 $M_{\phi r}$-0.05 NP1:ϕ_s17.75000°,δ77.92000° ,λ-7.94000°. NP2:ϕ_s109.42000°,δ82.24000°,λ-167.81000°. Principal axes: T 1.4606,Plg3.0000°,Azm243.0000°; N -0.1245,Plg76.0000°,Azm141.0000° ; P -1.3362,Plg14.0000°,Azm334.0000° $M_0$1.40000×10^{17}

(221) Kuril Islands

ISC	**XII**	**10 11 55 30.1–.32**	**47.20N–.05**	**153.43E–.04**	**57–2**	**4.7b,3.8s**	**477**	**4-155**
BJI	XII	10 11 55 23.8	47.22N	153.91E	42	4.9b,4.4b		**¶621627184**
MOS	XII	10 11 55 29.1–.91	47.25N	153.43E	65	4.8b,4.4b		
NEIC	XII	10 11 55 29.8–1.1	47.25N–.09	153.2E–.10	51–7	4.9b,4.4b		
IDC	XII	10 11 55 31.5–.52	47.37N	153.17E	63–4	4.4,4.1b		
GFZ	XII	10 11 55 31.5–.19	47N–4.0	153E–3.0	62–1	5.7b,5.2		
SKHL	XII	10 11 55 31.3–.20	47.30N	153.50E	83–7	6.1,5.4b		
JMA	XII	10 11 55 31.7–1.1	46N–4.0	153E–7.0	30	4.8,5.4b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. KURILE ISLANDS REGION .

(177) Kermadec Islands region

ISC	**XII**	**10 13 27 55.4–.23**	**31.59S–.04**	**178.05W–.05**	**35**	**5.3b,4.7s**	**682**	**2-171**
NOU	XII	10 13 27 47.3	31.79S	176.93W	32	5.4b,4.7s		**¶621627182**
BJI	XII	10 13 27 52.5	31.64S	178.04W	26	5.5b,5.2b		
IDC	XII	10 13 27 53.9–2.1	31.42S	178.18W	21–12	4.8,4.7b		
GFZ	XII	10 13 27 54.5–.16	32S–3.0	178W–3.0	22	6.0,6.0b		
MOS	XII	10 13 27 55.6–.82	31.52S	178.32W	41	5.5b,6.0b		
NEIC	XII	10 13 27 55.9–.96	31.50S–.07	178.2W–.10	33–3	5.3b,5.2		
GCMT	XII	10 13 27 57.0–.10	31.51S–.01	177.91W–.01	30–0	5.3W,5.2		

ISC Event type se.
NOU Kermadec Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112101327A. Moment Tensor Solution. s109,c169; s118,c203;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.83±.02 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$-0.83±.01; $M_{r\theta}$0.10±.02; $M_{\theta\phi}$-0.23±.01; $M_{\phi r}$0.75±.02; Best double couple: NP1: ϕ_s200.00000°,δ25.00000°,λ100.00000°. NP2:ϕ_s9.00000°,δ66.00000°,λ86.00000°. Principal axes: T 1.1180,Plg69.0000°,Azm271.0000°; N 0.0630,Plg4.0000°,Azm11.0000° ; P -1.1800,Plg21.0000°,Azm103.0000° $M_0$1.14900×10^{17}

(135) Near coast of central Chile

ISC	**XII**	**11 14 54 19.2–.21**	**29.54S–.02**	**71.31W–.03**	**50–1**	**5.5b,5.2s**	**900**	**0-176**
IDC	XII	11 14 54 12.6–.32	29.48S	71.10W	0	5.3b,5.2		**¶621627511**
MOS	XII	11 14 54 13.5–1.1	29.41S	71.17W	10	5.8b,5.1s		
SJA	XII	11 14 54 17.3–.79	29.49S	71.28W	26–3	5.7L,5.6W		
GUC	XII	11 14 54 18.8–.82	29.54S	71.25W	53–2	5.4L,5.6W		
GFZ	XII	11 14 54 18.9–.18	29S–1.0	71W–3.0	42–4	6.4L,6.0b		
GFZ	XII	11 14 54 18.8	29.48S	71.18W	50	5.6W,6.0b		
NEIC	XII	11 14 54 19.4	29.54S	71.22W	46	5.6W,6.0b		
BJI	XII	11 14 54 19.4	29.60S	71.00W	53	5.9s,5.6b		
IPGP	XII	11 14 54 19.0	29.55S	71.20W	52	5.7W,5.6b		
NEIC	XII	11 14 54 19.4	29.54S	71.22W	46	5.7W,5.6b		
NEIC	XII	11 14 54 19.1–1.7	29.53S–.03	71.30W–.06	45–1	5.7,5.7		
VAO	XII	11 14 54 20.4–.34	29.49S	70.92W	53	5.5b,5.7		
GCMT	XII	11 14 54 23.7–.10	29.55S–.01	71.43W–.01	49–0	5.7W,5.7		
NEIC	XII	11 14 54 26.9	29.54S	71.22W	46	5.7,5.7		

ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=10.2km az=82.0.
MOS Error ellipse: s-maj=15.9km s-min=6.6km az=94.5.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=6.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.5km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.25 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-3.56 $M_{r\theta}$0.56 $M_{\theta\phi}$0.10 $M_{\phi r}$-0.72 NP1: ϕ_s168.99824°,δ51.88588°,λ77.71523°. NP2:ϕ_s8.43093°,δ39.75668°,λ105.17464°. Principal axes: T 3.4185,Plg78.5355°,Azm29.8025°; N 0.2248,Plg9.6369°,Azm176.6533° ; P -3.6433,Plg6.1512°,Azm267.7018° $M_0$3.53628×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s24.00000°,δ46.00000°,λ104.00000°. NP2:ϕ_s185.00000° ,δ45.00000°,λ76.00000°.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.7km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.55 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-3.93 $M_{r\theta}$0.99 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.21 NP1:ϕ_s18.45000°,δ48.25000°,λ103.73000°. NP2:ϕ_s178.31000°,δ43.55000° ,λ75.11000°. Principal axes: T 4.7333,Plg80.0000°,Azm356.0000°; N -0.7216,Plg10.0000° ,Azm189.0000°; P -4.0117,Plg2.0000°,Azm99.0000° $M_0$4.42000×10^{17}
VAO Event type se. Error ellipse: s-maj=3.7km s-min=3.9km az=-1.0. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112111454A. Moment Tensor Solution. s136,c236; s141,c244;Duration: 1ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.63±.04 $M_{\theta\theta}$0.38±.04; $M_{\phi\phi}$-4.01±.04; $M_{r\theta}$0.83±.04; $M_{\theta\phi}$-0.36±.03; $M_{\phi r}$-0.81±.05; Best double couple: NP1: ϕ_s19.00000°,δ41.00000°,λ112.00000°. NP2:ϕ_s171.00000°,δ52.00000°,λ72.00000°. Principal axes: T 3.9250,Plg75.0000°,Azm25.0000°; N 0.1820,Plg14.0000°,Azm182.0000° ; P -4.1120,Plg6.0000°,Azm274.0000° $M_0$4.01800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}4.01 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-4.40 $M_{r\theta}$0.86 $M_{\theta\phi}$0.07 $M_{\phi r}$0.35 NP1:ϕ_s166.67000°,δ44.14000° ,λ71.53000°. NP2:ϕ_s11.63000°,δ48.66000°,λ107.09000°. Principal axes: T 4.2214,Plg77.0000°,Azm350.0000°; N 0.1972,Plg13.0000°,Azm180.0000° ; P -4.4186,Plg2.0000°,Azm90.0000° $M_0$4.32000×10^{17}

(280) Banda Sea

ISC	**XII**	**11 15 29 47.0–.41**	**7.10S–.02**	**128.74E–.03**	**19–1**	**5.5b,5.0s**	**1232**	**3-157**
IDC	XII	11 15 29 43.0–.35	7.08S	128.92E	0	5.1b,5.1		**¶621627517**
MOS	XII	11 15 29 43.5–1.0	7.11S	128.77E	12	5.7b,5.0s		
NEIC	XII	11 15 29 45.8	7.06S	128.70E	10	5.7b,5.0s		
NEIC	XII	11 15 29 45.8	7.06S	128.70E	10	5.7b,5.0s		
NEIC	XII	11 15 29 46.4–2.2	7.04S–.04	128.69E–.05	13–1	5.6b,5.4		
NEIC	XII	11 15 29 46	6.86S	128.49E	22	5.4,5.4		
PTWC	XII	11 15 29 47	7.10S	128.70E	10	5.8,5.4		
DJA	XII	11 15 29 48.2–.40	7S–1.0	129E–1.0	24–3	6.0b,5.9		
GFZ	XII	11 15 29 48.2–.10	7S–2.0	129E–1.0	24	6.0b,5.6		
GFZ	XII	11 15 29 48.2	7.07S	128.74E	19	5.6W,5.6		
GCMT	XII	11 15 29 49.2–.10	7.01S–.01	128.70E–.01	17–0	5.7W,5.6		

ISC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$1.82 $M_{r\theta}$-0.48 $M_{\theta\phi}$0.55 $M_{\phi r}$0.09 NP1:ϕ_s43.85000°,δ56.98000°,λ-41.07000°. NP2:ϕ_s159.25000°,δ56.57000° ,λ-139.24000°. Principal axes: T 1.9380,Plg0.0000°,Azm102.0000°; N -0.4751,Plg39.0000° ,Azm192.0000°; P -1.4629,Plg51.0000°,Azm11.0000° $M_0$1.75000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.21 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$1.24 $M_{r\theta}$-0.85 $M_{\theta\phi}$-0.05 $M_{\phi r}$-0.15 NP1:ϕ_s139.13000°,δ62.55000° ,λ-160.61000°. NP2:ϕ_s39.91000°,δ72.86000°,λ-28.84000°. Principal axes: T 1.2582,Plg7.0000°,Azm91.0000°; N 0.3117,Plg57.0000°,Azm192.0000° ; P -1.5699,Plg32.0000°,Azm357.0000° $M_0$1.44000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.22 $M_{\theta\theta}$-2.07 $M_{\phi\phi}$3.29 $M_{r\theta}$-0.93 $M_{\theta\phi}$0.48 $M_{\phi r}$1.04 NP1: ϕ_s146.45788°,δ74.97834°,λ-145.44656°. NP2:ϕ_s46.33781°,δ56.78425°,λ-18.04726°. Principal axes: T 3.5375,Plg11.7755°,Azm272.9627°; N -0.7093,Plg52.6981°,Azm167.0823° ; P -2.8282,Plg34.7934°,Azm11.2914° $M_0$3.24156×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112111529A. Moment Tensor Solution. s131,c229; s149,c278;Duration: 1ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.69±.05 $M_{\theta\theta}$-3.57±.04; $M_{\phi\phi}$4.26±.05; $M_{r\theta}$-1.52±.13; $M_{\theta\phi}$0.94±.04; $M_{\phi r}$0.65±.12; Best double couple: NP1:ϕ_s49.00000° ,δ70.00000°,λ-13.00000°. NP2:ϕ_s144.00000°,δ78.00000°,λ-159.00000°. Principal axes: T 4.4160,Plg6.0000°,Azm276.0000°; N -0.0430,Plg66.0000°,Azm173.0000° ; P -4.3680,Plg23.0000°,Azm8.0000° $M_0$4.39200×10^{17}

(742) Western Indian-Antarctic Ridge

ISC	**XII**	**11 16 48 07.3–.36**	**50.08S–.06**	**127.67E–.08**	**10**	**4.7b**	**114**	**15-145**
GFZ	XII	11 16 48 07.3–.20	50S–3.0	128E–5.0	10	7.4,7.4b		**¶621627522**
IDC	XII	11 16 48 07.3–.79	50.07S	127.04E	0	4.4b,4.4		
NEIC	XII	11 16 48 07.1–2.1	50.14S–.03	127.6E–.10	10–1	4.7b,4.4		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(221) Kuril Islands

ISC	XII	11 21 34 12.8–.33	43.25N–.04	146.41E–.04	41–2	4.7b,3.8s	515	1-150
BGR	XII	11 21 34 09.0	42.68N	147.39E	33	4.4b,3.8s	¶621644217	
BJI	XII	11 21 34 09.0	43.24N	146.94E	46	4.7s,4.5		
MOS	XII	11 21 34 12.0–.92	43.24N	146.40E	47	4.9b,4.5		
NIED	XII	11 21 34 13.8	43.26N	146.32E	46	4.5W,4.5		
JMA	XII	11 21 34 13.8–.14	43.3N–.40	146.3E–.90	46–1	4.7,4.5		
SKHL	XII	11 21 34 13.7–.00	43.20N	146.40E	55–2	5.6b,4.5		
GFZ	XII	11 21 34 13.1–.27	43N–4.0	147E–4.0	37–1	5.1b,4.9b		
IDC	XII	11 21 34 13.8–1.8	43.34N	146.33E	44–16	4.3,4.1b		
NEIC	XII	11 21 34 14.3–1.3	43.32N–.06	146.40E–.06	51–6	4.8b,4.1b		

ISC Event type ke.
BGR Event type ke.
MOS Event type fe. Felt (III) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk, Goryachiy Plyazh. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.89 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-0.97 $M_{r\theta}$5.17 $M_{\theta\phi}$-4.17 $M_{\phi r}$0.35 NP1:ϕ_s179.00000°,δ39.00000°,λ8.00000°. NP2:ϕ_s83.00000°,δ85.00000°,λ128.00000°. M_o6.72000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(227) Eastern Honshu

ISC	XII	12 03 30 58.2–.30	36.13N–.03	139.87E–.03	58–2	5.1b,4.2s	1095	0-158
BJI	XII	12 03 30 53.1	35.97N	140.15E	57	5.1b,4.9b	¶621627634	
BGR	XII	12 03 30 56.6	36.05N	139.74E	33	5.3b,4.8s		
IDC	XII	12 03 30 58.0–1.1	36.07N	139.89E	56–9	4.9,4.7b		
MOS	XII	12 03 30 57.0–.96	36.19N	139.81E	57	5.4b,4.7b		
NEIC	XII	12 03 30 58.8–1.9	36.14N–.05	139.79E–.06	56–4	5.1b,4.9		
GFZ	XII	12 03 30 58.9–.22	36N–2.0	140E–3.0	57–1	5.6b,5.2b		
NEIC	XII	12 03 30 58.7	36.13N	139.82E	57	5.6b,5.2b		
NIED	XII	12 03 30 58.7	36.14N	139.85E	50	4.9W,5.2b		
JMA	XII	12 03 30 58.7–.07	36.1N–.20	139.9E–.20	50–0	5.0,5.0W		
NEIC	XII	12 03 30 58.7	36.13N	139.82E	57	5.0,5.0W		
GCMT	XII	12 03 31 00.8–.20	36.01N–.02	139.83E–.02	55–1	5.0W,5.0W		
NEIC	XII	12 03 31 03.4	36.13N	139.82E	60	4.9,5.0W		

ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=6.6km az=69.0.
MOS Error ellipse: s-maj=6.2km s-min=3.6km az=118.9.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.1km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.84 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$0.11 $M_{r\theta}$1.58 $M_{\theta\phi}$-0.52 $M_{\phi r}$1.53 NP1:ϕ_s54.73000°,δ70.18000°,λ72.96000°. NP2:ϕ_s276.84000°,δ25.91000°,λ129.11000°. Principal axes: T 3.0005,Plg61.0000°,Azm299.0000°; N -0.1009,Plg16.0000°,Azm61.0000°; P -2.8996,Plg23.0000°,Azm158.0000° M_o2.95000×10^{16}
GFZ Error ellipse: s-maj=5.8km s-min=4.4km az=117.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.08 $M_{\theta\theta}$-1.50 $M_{\phi\phi}$-0.58 $M_{r\theta}$1.56 $M_{\theta\phi}$-0.99 $M_{\phi r}$1.33 NP1:ϕ_s243.00000°,δ23.00000°,λ100.00000°. NP2:ϕ_s52.00000°,δ67.00000°,λ86.00000°. M_o2.94000×10^{16}
JMA Event type fe. SW IBARAKI PREF .
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112120330A. Moment Tensor Solution. s53,c72; s101,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.41±.15 $M_{\theta\theta}$-2.83±.11; $M_{\phi\phi}$-0.57±.11; $M_{r\theta}$1.31±.08; $M_{\theta\phi}$-1.63±.08; $M_{\phi r}$1.38±.07; Best double couple: NP1:ϕ_s252.00000°,δ32.00000°,λ106.00000°. NP2:ϕ_s53.00000°,δ59.00000°,λ80.00000°. Principal axes: T 3.9380,Plg74.0000°,Azm297.0000°; N 0.1840,Plg9.0000°,Azm58.0000°; P -4.1210,Plg14.0000°,Azm150.0000° M_o4.03000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s5 Moment tensor: Scale 10^{16}Nm; M_{rr}2.77 $M_{\theta\theta}$-2.45 $M_{\phi\phi}$-0.32 $M_{r\theta}$0.81 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.27 NP1:ϕ_s271.81000°,δ35.95000°,λ116.93000°. NP2:ϕ_s59.70000°,δ58.44000°,λ71.82000°. Principal axes: T 3.2827,Plg70.0000°,Azm288.0000°; N -0.5047,Plg15.0000°,Azm69.0000°; P -2.7779,Plg12.0000°,Azm163.0000° M_o3.06000×10^{16}

(701) West of Macquarie Island

ISC	XII	12 08 58 08.9–.55	60.79S–.04	154.13E–.06	12–3	6.2s,5.5b	724	7-167
IDC	XII	12 08 58 06.3–.53	60.82S	153.35E	0	5.8s,4.8b	¶621627644	
NEIC	XII	12 08 58 07.3	60.80S	154.14E	10	5.8s,4.8b		
NEIC	XII	12 08 58 07.3	60.80S	154.14E	10	5.8s,4.8b		
PTWC	XII	12 08 58 07	61.00S	153.80E	10	6.5,4.8b		
ISC-P	XII	12 08 58 07	60.80S	154.14E	27–0	6.5,4.8b		
NEIC	XII	12 08 58 07.4–1.2	60.80S–.08	154.1E–.30	10–1	6.4,6.2		
BJI	XII	12 08 58 08.0	60.55S	153.90E	10	6.4s,6.2b		
MOS	XII	12 08 58 08.3–1.7	60.45S	154.40E	10	6.0s,5.4b		
NEIC	XII	12 08 58 08.3	60.72S	154.03E	10	6.0s,5.4b		
GFZ	XII	12 08 58 08.7	60.82S	153.88E	10	6.5W,5.4b		
IPGP	XII	12 08 58 08.0	60.69S	154.11E	22	6.5W,5.4b		
GFZ	XII	12 08 58 09.1–.17	61S–3.0	154E–4.0	10	6.1,6.0b		
NEIC	XII	12 08 58 20.4	61.00S	153.93E	12	6.6,6.0b		
GCMT	XII	12 08 58 22.7–.00	60.40S	153.51E	16–0	6.5W,6.0b		
NEIC	XII	12 08 58 38	60.66S	152.92E	31	6.5,6.0b		

ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=15.5km az=84.0.
NEIC Event type se.
NEIC Event type se.
ISC-P Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17±.08 $M_{\theta\theta}$0.64±.25; $M_{\phi\phi}$-0.18±.15; $M_{r\theta}$0.21±.17; $M_{\theta\phi}$0.22±.13; $M_{\phi r}$-0.41±.18; NP1:ϕ_s254.00000°,δ70.10000°,λ212.10000°. NP2:ϕ_s152.00000°,δ60.00000°,λ-23.10000°. M_o8.04000×10^{18}
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=13.2km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.06 $M_{\theta\theta}$3.71 $M_{\phi\phi}$-3.64 $M_{r\theta}$-0.35 $M_{\theta\phi}$-2.45 $M_{\phi r}$1.21 NP1:ϕ_s151.45000°,δ86.86000°,λ-15.52000°. NP2:ϕ_s242.33000°,δ74.51000°,λ-176.74000°. Principal axes: T 4.5528,Plg9.0000°,Azm198.0000°; N 0.0824,Plg74.0000°,Azm320.0000°; P -4.6352,Plg13.0000°,Azm106.0000° M_o4.59000×10^{18}
MOS Error ellipse: s-maj=34.2km s-min=8.6km az=95.9.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.47 $M_{\theta\theta}$5.80 $M_{\phi\phi}$-7.27 $M_{r\theta}$2.31 $M_{\theta\phi}$-1.26 $M_{\phi r}$2.14 NP1:ϕ_s141.15965°,δ63.20538°,λ6.41035°. NP2:ϕ_s48.26027°,δ84.28038°,λ153.06051°. Principal axes: T 6.8113,Plg22.9066°,Azm1.4442°; N 1.1850,Plg62.5045°,Azm217.1650°; P -7.9963,Plg14.3763°,Azm97.6619° M_o7.47461×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s65.00000°,δ85.00000°,λ172.00000°. NP2:ϕ_s156.00000°,δ82.00000°,λ5.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 9s5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.46 $M_{\theta\theta}$7.30 $M_{\phi\phi}$-8.77 $M_{r\theta}$0.40 $M_{\theta\phi}$-2.82 $M_{\phi r}$-0.97 NP1:ϕ_s54.70000°,δ83.05000°,λ179.76000°. NP2:ϕ_s144.73000°,δ89.76000°,λ6.95000°. Principal axes: T 7.8344,Plg5.0000°,Azm10.0000°; N 1.4862,Plg83.0000°,Azm147.0000°; P -9.3207,Plg5.0000°,Azm280.0000° M_o8.67000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202112120858A. Moment Tensor Solution. s167,c399; s163,c676;Duration: 4s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.62±.02 $M_{\theta\theta}$4.65±.02; $M_{\phi\phi}$-4.04±.02; $M_{r\theta}$0.33±.06; $M_{\theta\phi}$-3.94±.02; $M_{\phi r}$0.48±.06; Best double couple: NP1:ϕ_s156.00000°,δ85.00000°,λ-4.00000°. NP2:ϕ_s246.00000°,δ86.00000°,λ-175.00000°. Principal axes: T 6.1730,Plg1.0000°,Azm21.0000°; N -0.5540,Plg83.0000°,Azm281.0000°; P -5.6260,Plg7.0000°,Azm111.0000° M_o5.89900×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.98 $M_{\theta\theta}$4.69 $M_{\phi\phi}$-3.72 $M_{r\theta}$2.69 $M_{\theta\phi}$-4.92 $M_{\phi r}$2.18 NP1:ϕ_s252.08000°,δ80.27000°,λ-152.77000°. NP2:ϕ_s157.12000°,δ63.20000°,λ-10.91000°. Principal axes: T 7.2695,Plg12.0000°,Azm22.0000°; N 0.2296,Plg61.0000°,Azm270.0000°; P -7.4991,Plg26.0000°,Azm118.0000° M_o7.38000×10^{18}

(427) Mauritius-Reunion region

ISC	XII	12 09 29 36.1–.29	17.44S–.05	66.50E–.05	14	5.4s,4.6b	209	4-165
IDC	XII	12 09 29 32.1–.47	17.33S	66.82E	0	5.2s,4.3L	¶621627645	
BJI	XII	12 09 29 34.1	17.55S	65.83E	22	4.5b,4.3L		
NEIC	XII	12 09 29 35.8–1.0	17.47S–.08	66.43E–.08	10–1	4.9b,4.3L		
GFZ	XII	12 09 29 37.6–.19	17S–4.0	67E–3.0	10	6.2,6.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(12) Alaska Peninsula

ISC	XII	12 09 55 26.3–.59	55.43N–.04	157.63W–.03	11–3	5.7s,5.0b	908	1-153
MOS	XII	12 09 55 25.8–.81	55.57N	157.60W	14	5.7s,5.3b	¶621627647	
IDC	XII	12 09 55 25.3–.52	55.52N	157.73W	0	5.3s,4.8b		
GFZ	XII	12 09 55 28.4–.22	56N–5.0	158W–3.0	10	6.3b,6.1		
BJI	XII	12 09 55 28.0	55.50N	157.60W	40	5.3b,5.2s		
AEIC	XII	12 09 55 29.2–2.8	55.42N–.04	157.48W–.06	7–4	5.3b,5.2s		
NEIC	XII	12 09 55 30.4–1.5	55.46N–.04	157.56W–.08	39–6	5.0L,5.0b		
BGR	XII	12 09 55 40.9	57.02N	157.85W	33	5.7s,5.0b		

ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=3.9km az=92.9.
IDC Error ellipse: s-maj=14.1km s-min=8.6km az=165.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AEIC Event type se. Error ellipse: s-maj=5.2km s-min=5.1km az=125.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.3km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

(267) Halmahera

ISC	XII	12 17 01 40.9–.36	1.60N–.04	128.82E–.05	35	4.7b,3.6s	164	1-86
BJI	XII	12 17 01 35.8	1.32N	128.94E	20	4.8b,4.5b	¶621627822	
IDC	XII	12 17 01 37.2–.68	1.65N	128.70E	0	4.3b,4.2		
NEIC	XII	12 17 01 37.8–1.7	1.63N–.08	128.86E–.07	10–1	4.8b,4.2		
DJA	XII	12 17 01 41.7–.30	2N–3.0	129E–2.0	10	4.5b,4.4		
GFZ	XII	12 17 01 42.9–.46	2N–3.0	129E–4.0	53–4	5.6b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(430) South of Africa

ISC	XII	12 22 11 35.8–.23	53.05S–.04	22.17E–.06	10	5.4b,4.8s	544	18-167
NEIC	XII	12 22 11 22.6	53.02S	22.15E	12	5.3,4.8s	¶621627921	
IDC	XII	12 22 11 33.7–.40	53.08S	22.36E	0	4.9b,4.9		
MOS	XII	12 22 11 34.4–1.3	53.04S	22.10E	10	5.5b,4.9		
NEIC	XII	12 22 11 35.9–1.6	53.02S–.10	22.1E–.20	10–1	5.5b,4.9		
NEIC	XII	12 22 11 35.9	53.02S	22.15E	10	5.5b,4.9		
PTWC	XII	12 22 11 36	53.00S	22.20E	10	5.4,4.9		
GCMT	XII	12 22 11 37.4–.10	53.02S–.01	22.46E–.01	12	5.3W,4.9		
GFZ	XII	12 22 11 37.3–.18	53S–3.0	22E–4.0	10	5.7b,5.4		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01 $M_{\theta\theta}$0.93 $M_{\phi\phi}$0.08 $M_{r\theta}$-0.49 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.60 NP1:ϕ_s269.51000°,δ30.96000°,λ-120.90000°. NP2:ϕ_s124.42000°,δ63.80000°,λ-72.88000°. Principal axes: T 1.1955,Plg17.0000°,Azm202.0000°; N 0.1331,Plg15.0000°,Azm297.0000°; P -1.3286,Plg67.0000°,Azm66.0000° M_o1.27000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112122211A. Moment Tensor Solution. s81,c121; s152,c279;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.22±.01 $M_{\theta\theta}$1.09±.01; $M_{\phi\phi}$0.12±.01; $M_{r\theta}$0.34±.04; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$-0.31±.04; Best double couple: NP1:ϕ_s96.00000°,δ36.00000°,λ-104.00000°. NP2:ϕ_s293.00000°,δ55.00000°,λ-80.00000°. Principal axes: T 1.2240,Plg10.0000°,Azm16.0000°; N 0.0950,Plg8.0000°,Azm107.0000°; P -1.3210,Plg77.0000°,Azm237.0000° M_o1.27300×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(238) Ryukyu Islands

ISC	XII	12 22 30 44.9–.45	24.21N–.03	126.71E–.03	12–2	5.0b,4.3s	543	1-164
IDC	XII	12 22 30 42.9–.47	24.14N	126.59E	0	4.6b,4.6	¶621627923	
MOS	XII	12 22 30 43.0–.90	24.16N	126.71E	12	5.1b,4.5s		
BJI	XII	12 22 30 44.4	24.21N	126.48E	10	4.9b,4.6s		
GFZ	XII	12 22 30 44.2–.21	24N–3.0	127E–3.0	10	5.7b,5.2		
NEIC	XII	12 22 30 44.8–1.6	24.18N–.07	126.65E–.07	10–1	5.1b,4.8		
JMA	XII	12 22 30 45.9–.21	24N–2.0	127E–1.0	96–4	4.8,4.1		
NIED	XII	12 22 30 45.9	24.28N	126.59E	96	4.7W,4.1		
GCMT	XII	12 22 30 47.6–.50	24.14N–.03	126.70E–.06	18–1	4.8W,4.1		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.94 $M_{\theta\theta}$0.81 $M_{\phi\phi}$0.13 $M_{r\theta}$-0.27 $M_{\theta\phi}$0.52 $M_{\phi r}$-0.21 NP1:ϕ_s246.00000°,δ36.00000°,λ-84.00000°. NP2:ϕ_s58.00000°,δ54.00000°,λ-95.00000°. M_o1.08000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112122230A. Moment Tensor Solution. s11,c11; s66,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.90±.22 $M_{\theta\theta}$1.78±.15; $M_{\phi\phi}$0.12±.12; $M_{r\theta}$0.12±.31; $M_{\theta\phi}$0.77±.08; $M_{\phi r}$-0.51±.37; Best double couple: NP1:ϕ_s264.00000°,δ46.00000°,λ-68.00000°. NP2:ϕ_s53.00000°,δ48.00000°,λ-111.00000°. Principal axes: T 2.0870,Plg1.0000°,Azm158.0000°; N -0.0380,Plg16.0000°,Azm68.0000°; P -2.0460,Plg74.0000°,Azm252.0000° M_o2.06600×10^{16}

(274) Southern Sumatera

ISC	XII	12 22 37 00.4–.72	4.21S–.05	101.34E–.04	43–6	4.6b,4.0s	406	1-157
BJI	XII	12 22 36 55.0	4.20S	101.30E	10	5.3b,4.6b	¶621627924	
DJA	XII	12 22 37 00.6–.20	4S–2.0	101E–2.0	48–2	5.5b,5.3		
GFZ	XII	12 22 37 00.3–.27	4S–3.0	101E–2.0	41–2	5.3b,5.3		
NEIC	XII	12 22 37 00.6–1.4	4.18S–.06	101.32E–.06	35–1	4.6b,5.3		
IDC	XII	12 22 37 01.2–2.3	4.10S	101.40E	42–20	4.5L,4.4		

ISC Event type se.
GFZ Error ellipse: s-maj=6.7km s-min=3.2km az=42.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.1km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=9.3km az=53.0.

(212) Bonin Islands region

ISC	XII	13 01 15 54.5–.46	28.21N–.07	142.87E–.07	10	4.7b,4.2s	249	1-150
BJI	XII	13 01 15 49.7	27.87N	143.04E	10	5.1b,4.7b	¶621627930	
MOS	XII	13 01 15 52.8–1.0	28.29N	142.85E	10	4.8b,4.7b		
IDC	XII	13 01 15 52.7–.62	28.17N	142.97E	0	4.3b,4.3		
NIED	XII	13 01 15 53.8	28.44N	142.34E	2	4.5W,4.3		
NEIC	XII	13 01 15 54.6–1.2	28.17N–.06	142.8E–.10	10–1	4.7b,4.3		
GFZ	XII	13 01 15 55.2–.35	28N–5.0	143E–6.0	10	6.7b,6.5		

ISC Event type se.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}5.64 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-5.97 $M_{r\theta}$0.84 $M_{\theta\phi}$1.76 $M_{\phi r}$-4.02 NP1:ϕ_s343.00000°,δ28.00000°,λ87.00000°. NP2:ϕ_s167.00000°,δ62.00000°,λ92.00000°. M_o7.30000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(282) South of Jawa

ISC	XII	13 05 46 59.3–.35	9.47S–.04	113.70E–.04	58–3	4.9b,3.7s	439	1-165
IDC	XII	13 05 46 52.1–.38	9.30S	113.68E	0	4.7b,4.7	¶621627937	
NEIC	XII	13 05 46 58.9–1.0	9.54S–.07	113.65E–.05	55–3	5.0b,4.7		

DJA	XII	13 05 46 59.7–.20	10S–3.0	114E–1.0	70–4	5.6b,5.3			
GFZ	XII	13 05 46 59.1–.20	10S–3.0	114E–2.0	66–2	5.5b,5.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(192) New Britain region

ISC	**XII**	**13 11 13 00.4–.38**	**5.67S–.05**	**151.96E–.06**	**45**	**4.7b,4.0s**	**116**	**1-151**
NEIC	XII	13 11 12 59.0–.93	5.69S–.07	151.96E–.05	28–5	5.0b,4.0s		**¶621627992**
DJA	XII	13 11 13 00.1–1.6	6S–3.0	152E–5.0	32–15	5.9b,5.5		
IDC	XII	13 11 13 02.5–4.1	5.69S	151.89E	60–35	4.3,4.1b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=1.7km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.5km s-min=17.3km az=70.0.

(189) Southeast of Loyalty Islands

ISC	**XII**	**13 11 44 48.9–.62**	**21.87S–.05**	**170.23E–.05**	**26–4**	**5.0b,4.4s**	**371**	**4-166**
IDC	XII	13 11 44 44.4–.55	21.81S	170.30E	0	4.6,4.5b		**¶621627994**
GCMT	XII	13 11 44 48.3–.10	21.83S–.01	170.30E–.01	13–0	5.1W,4.5b		
NEIC	XII	13 11 44 49.0–1.2	21.81S–.07	170.20E–.06	25–5	5.0b,4.5b		
BJI	XII	13 11 44 48.7	21.31S	170.59E	29	5.6b,5.2s		
GFZ	XII	13 11 44 49.4–.49	22S–3.0	170E–3.0	23–3	5.7b,5.6		
NEIC	XII	13 11 44 49.8	21.86S	170.10E	22	5.7b,5.6		
NEIC	XII	13 11 44 50.1	21.66S	170.32E	18	5.3,5.6		

ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=14.0km az=88.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112131144A. Moment Tensor Solution. s66,c104; s126,c220;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.19±.16 $M_{\theta\theta}$2.64±.12; $M_{\phi\phi}$1.55±.11; $M_{r\theta}$-0.71±.28; $M_{\theta\phi}$5.44±.09; $M_{\phi r}$-1.49±.28; Best double couple: NP1: ϕ_s253.00000°,δ44.00000°,λ-52.00000°. NP2:ϕ_s26.00000°,δ57.00000°,λ-120.00000°. Principal axes: T 7.7580,Plg7.0000°,Azm137.0000°; N -3.0770,Plg25.0000°,Azm44.0000° ; P -4.6810,Plg64.0000°,Azm242.0000° $M_0$6.22000×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.2km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.1km s-min=5.1km az=58.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.25 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$0.27 $M_{r\theta}$0.83 $M_{\theta\phi}$0.41 $M_{\phi r}$0.45 NP1:ϕ_s356.24000°,δ21.11000° ,λ-154.77000°. NP2:ϕ_s242.51000°,δ81.17000°,λ-70.75000°. Principal axes: T 1.1299,Plg33.0000°,Azm316.0000°; N -0.1565,Plg19.0000°,Azm59.0000° ; P -0.9734,Plg50.0000°,Azm174.0000° $M_0$1.06000×10^{17}

(686) West Chile Rise

ISC	**XII**	**13 21 44 58.0–.22**	**37.11S–.06**	**95.36W–.06**	**14**	**5.1b,4.7s**	**537**	**14-173**
IDC	XII	13 21 44 55.5–.40	37.26S	95.26W	0	4.9b,4.8		**¶621628529**
BJI	XII	13 21 44 55.7	37.81S	94.75W	10	5.6b,5.4s		
GFZ	XII	13 21 44 57.2–.49	37S–4.0	96W–6.0	10	5.6b,5.5		
MOS	XII	13 21 44 57.0–1.2	37.12S	95.18W	10	5.3b,5.5		
NEIC	XII	13 21 44 58.5	37.16S	95.16W	10	5.3b,5.5		
NEIC	XII	13 21 44 58.4–2.0	37.14S–.09	95.19W–.07	10–1	5.1b,5.5		
GCMT	XII	13 21 45 00.6–.10	37.18S–.01	95.27W–.01	12	5.3W,5.5		
NEIC	XII	13 21 45 04.7	37.16S	95.16W	12	5.4,5.5		

ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=13.5km az=95.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=13.4km s-min=9.8km az=81.6.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=8.6km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112132144A. Moment Tensor Solution. s100,c160; s147,c265;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.13±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$1.01±.01; $M_{r\theta}$0.34±.04; $M_{\theta\phi}$-0.44±.01; $M_{\phi r}$-0.31±.04; Best double couple: NP1: ϕ_s167.00000°,δ36.00000°,λ-75.00000°. NP2:ϕ_s329.00000°,δ56.00000°,λ-101.00000°. Principal axes: T 1.2630,Plg10.0000°,Azm66.0000°; N -0.0310,Plg9.0000°,Azm335.0000° ; P -1.2330,Plg77.0000°,Azm204.0000° $M_0$1.24800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07 $M_{\theta\theta}$0.06 $M_{\phi\phi}$1.01 $M_{r\theta}$-0.96 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.35 NP1:ϕ_s1.90000°,δ33.49000° ,λ-46.50000°. NP2:ϕ_s133.21000°,δ66.41000°,λ-114.49000°. Principal axes: T 1.3232,Plg18.0000°,Azm241.0000°; N 0.3024,Plg22.0000°,Azm144.0000° ; P -1.6256,Plg61.0000°,Azm6.0000° $M_0$1.50000×10^{17}

(12) Alaska Peninsula

ISC	**XII**	**14 00 02 11.0–.65**	**54.91N–.04**	**158.02W–.03**	**6–3**	**4.7b,3.7s**	**467**	**1-145**
IDC	XII	14 00 02 10.7–.67	55.01N	158.11W	0	4.3L,4.3b		**¶621629131**
NEIC	XII	14 00 02 11.6–1.3	54.86N–.04	157.93W–.06	10–1	4.7b,4.5L		
NEIC	XII	14 00 02 11.6	54.92N	158.01W	10	4.7b,4.5L		
AEIC	XII	14 00 02 11.8–1.4	54.82N–.05	157.89W–.05	2–4	4.7b,4.5L		
MOS	XII	14 00 02 11.0–.93	55.13N	158.00W	11	4.9b,4.5L		
GFZ	XII	14 00 02 13.6–.32	55N–6.0	158W–4.0	10	5.9b,5.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.31 $M_{\theta\theta}$0.40 $M_{\phi\phi}$2.91 $M_{r\theta}$-0.58 $M_{\theta\phi}$-2.69 $M_{\phi r}$1.08 NP1:ϕ_s149.60000°,δ53.59000°,λ-87.22000°. NP2:ϕ_s324.93000° ,δ36.51000°,λ-93.76000°. Principal axes: T 4.8014,Plg9.0000°,Azm238.0000° ; N -1.3044,Plg2.0000°,Azm328.0000°; P -3.4971,Plg81.0000°,Azm72.0000° $M_0$4.30000×10^{15}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(279) Flores Sea

ISC	**XII**	**14 03 20 23.9–.26**	**7.62S–.02**	**122.28E–.03**	**14–1**	**7.4s,6.3b**	**2570**	**1-174**
MOS	XII	14 03 20 21.6–1.4	7.51S	122.31E	10	7.4s,6.5b		**¶621629136**
IDC	XII	14 03 20 21.4–.27	7.48S	122.32E	0	5.5,5.4b		
NEIC	XII	14 03 20 23.8–1.2	7.60S–.04	122.23E–.06	14–2	7.4,7.2		
GFZ	XII	14 03 20 23.0	7.61S	122.26E	12	7.3W,7.2		
NEIC	XII	14 03 20 24.4	7.60S	122.20E	18	7.3W,7.2		
DJA	XII	14 03 20 24.5–.10	8S–1.0	122E–1.0	20	7.5,7.4		
IPGP	XII	14 03 20 24.0	7.60S	122.20E	15	7.5W,7.4		
NEIC	XII	14 03 20 24.1	7.62S	122.21E	15	7.5W,7.4		
NEIC	XII	14 03 20 24.1	7.62S	122.21E	15	7.5W,7.4		
BJI	XII	14 03 20 24.0	7.60S	122.20E	35	7.7s,7.6		
GFZ	XII	14 03 20 24.3–.11	8S–2.0	122E–2.0	10	7.3,7.2b		
PTWC	XII	14 03 20 26	7.70S	122.30E	62	7.7,7.2b		
GCMT	XII	14 03 20 35.3–.10	7.46S	121.97E	14–0	7.3W,7.2b		
NEIC	XII	14 03 20 38.3	7.76S	122.02E	35	7.4,7.2b		
NEIC	XII	14 03 20 42.4	7.80S	122.40E	18	7.3,7.2b		

ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=4.2km az=115.6. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s303.00000°,δ80.00000°,λ-174.00000°. NP2: ϕ_s212.00000°,δ84.00000°,λ-10.00000°. Principal axes: T Plg3.0000°,Azm258.0000° ; N Plg78.0000°,Azm2.0000°; P Plg11.0000°,Azm167.0000°
IDC Error ellipse: s-maj=13.5km s-min=6.6km az=73.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.28 $M_{\theta\theta}$-5.11 $M_{\phi\phi}$4.83 $M_{r\theta}$-0.04 $M_{\theta\phi}$-5.31 $M_{\phi r}$0.26 NP1:ϕ_s21.57000°,δ88.88000°,λ1.84000°. NP2:ϕ_s291.53000°,δ88.16000° ,λ178.88000°. Principal axes: T 7.1385,Plg2.0000°,Azm247.0000°; N 0.2691,Plg88.0000° ,Azm53.0000°; P -7.4077,Plg1.0000°,Azm157.0000° $M_0$7.28000×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}0.05 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.56 $M_{r\theta}$-0.14 $M_{\theta\phi}$-0.80 $M_{\phi r}$0.02 NP1: ϕ_s108.18047°,δ89.25573°,λ-171.91527°. NP2:ϕ_s18.07475°,δ81.91596°,λ-0.75174°. Principal axes: T 0.9698,Plg5.1781°,Azm242.8445°; N 0.0587,Plg81.8813°,Azm113.4053° ; P -1.0284,Plg6.2359°,Azm333.4118° $M_0$1.00040×10^{20}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s288.00000°,δ71.00000°,λ170.00000°. NP2:ϕ_s21.00000° ,δ80.00000°,λ20.00000°.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. ID: C202112140320A. Moment Tensor Solution. s167,c414; s169,c811;Duration: 11s5 Moment tensor: Scale 10^{20}Nm; M_{rr}0.02±.00 $M_{\theta\theta}$-0.75±.00; $M_{\phi\phi}$0.73±.00; $M_{r\theta}$-0.39±.03; $M_{\theta\phi}$-0.99±.00; $M_{\phi r}$0.14±.02; Best double couple: NP1:ϕ_s19.00000°,δ71.00000°,λ1.00000°. NP2:ϕ_s288.00000°,δ89.00000°,λ161.00000°. Principal axes: T 1.2990,Plg14.0000°,Azm242.0000°; N 0.0070,Plg71.0000°,Azm106.0000° ; P -1.3060,Plg12.0000°,Azm335.0000° $M_0$1.30300×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 26s6 Moment tensor: Scale 10^{20}Nm; M_{rr}0.08 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$0.81 $M_{r\theta}$-0.23 $M_{\theta\phi}$-1.06 $M_{\phi r}$-0.20 NP1:ϕ_s18.88000°,δ85.11000° ,λ-10.24000°. NP2:ϕ_s109.76000°,δ79.80000°,λ-175.04000°. Principal axes: T 1.3233,Plg4.0000°,Azm65.0000°; N 0.1298,Plg79.0000°,Azm174.0000° ; P -1.4531,Plg11.0000°,Azm334.0000° $M_0$1.39000×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 24s2 Moment tensor: Scale 10^{20}Nm; M_{rr}0.01 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.88 $M_{\phi r}$0.03 NP1:ϕ_s20.52000°,δ86.89000°,λ0.60000°. NP2:ϕ_s290.49000°,δ89.40000°,λ176.89000°. Principal axes: T 1.1562,Plg3.0000° ,Azm245.0000°; N 0.0110,Plg87.0000°,Azm100.0000°; P -1.1672,Plg2.0000°,Azm336.0000° $M_0$1.16000×10^{20}

(279) Flores Sea

ISC	**XII**	**14 03 25 27.4–.32**	**7.58S–.05**	**122.29E–.06**	**10**	**5.7b**	**122**	**1-153**
IDC	XII	14 03 25 25.6–.59	7.54S	122.32E	0	5.4b,5.4		**¶621629138**
NEIC	XII	14 03 25 27.9–1.4	7.61S–.04	122.25E–.04	10–1	5.8b,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(135) Near coast of central Chile

ISC	**XII**	**14 04 23 54.6–.50**	**28.63S–.02**	**71.43W–.03**	**18–2**	**5.4b**	**661**	**1-167**
SJA	XII	14 04 23 49.4–.60	28.57S	71.96W	13	5.3L,5.0W		**¶621629139**
IDC	XII	14 04 23 51.8–.34	28.62S	71.27W	0	5.1b,4.9		
VAO	XII	14 04 23 52.5–.61	28.81S	71.56W	20–3	5.4b,4.9		
MOS	XII	14 04 23 54.6–1.1	28.55S	71.42W	22	5.5b,4.9		
NEIC	XII	14 04 23 55.1–1.3	28.69S–.03	71.56W–.06	18–3	5.5,5.5b		
GFZ	XII	14 04 23 56.8–.28	29S–1.0	71W–3.0	26–2	6.9,6.8		
GUC	XII	14 04 23 57.4–.82	28.61S	71.28W	37–3	5.3L,6.8		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.9km s-min=10.7km az=84.0.
VAO Event type se. Error ellipse: s-maj=3.6km s-min=3.5km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=15.5km s-min=6.9km az=105.8.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=5.9km s-min=3.1km az=85.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=3.0km s-min=5.2km az=-1.0. Presumed earthquake.

(279) Flores Sea

ISC	**XII**	**14 04 34 03.1–1.4**	**7.58S–.03**	**121.64E–.04**	**12–9**	**4.4b**	**124**	**1-93**
IDC	XII	14 04 34 01.5–.64	7.42S	121.66E	0	4.3b,4.3		**¶621652873**
DJA	XII	14 04 34 03.2–.10	8S–1.0	122E–1.0	10	6.0b,5.6		
NEIC	XII	14 04 34 04.2–2.0	7.56S–.03	121.67E–.05	10–1	4.5b,5.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(279) Flores Sea

ISC	**XII**	**14 05 46 41.1–.30**	**7.53S–.03**	**121.75E–.03**	**10**	**4.8b**	**279**	**1-154**
IDC	XII	14 05 46 39.4–.49	7.39S	121.67E	0	4.7,4.6b		**¶621629143**
BJI	XII	14 05 46 39.3	7.40S	121.80E	10	5.6s,5.5b		
NEIC	XII	14 05 46 40.5–1.6	7.55S–.05	121.74E–.07	10–1	5.0b,5.5b		
GFZ	XII	14 05 46 41.7–.19	7S–3.0	122E–4.0	10	6.3b,6.0		
DJA	XII	14 05 46 44.1–.10	8S–1.0	122E–1.0	30	6.2b,5.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(279) Flores Sea

ISC	**XII**	**14 06 09 50.5–.56**	**7.36S–.04**	**121.30E–.04**	**10**	**4.4b**	**60**	**1-97**
IDC	XII	14 06 09 49.2–.73	6.83S	121.96E	0	4.2b,4.1		**¶621652888**
DJA	XII	14 06 09 50.6–.20	7S–2.0	121E–2.0	10	6.1b,5.8		

ISC Event type se.

(279) Flores Sea

ISC	**XII**	**14 08 31 31.5–.48**	**7.64S–.03**	**122.35E–.03**	**14–2**	**5.4b,4.6s**	**844**	**1-164**
IDC	XII	14 08 31 28.9–.34	7.57S	122.19E	0	5.1b,5.1		**¶621629155**
MOS	XII	14 08 31 28.7–.83	7.57S	122.31E	10	5.6b,5.1		
BJI	XII	14 08 31 30.0	7.60S	122.30E	10	5.6b,5.3b		
NEIC	XII	14 08 31 31.4–1.7	7.61S–.05	122.32E–.06	10–1	5.6b,5.3b		
GFZ	XII	14 08 31 31.7	7.59S	122.39E	11	5.2W,5.3b		
GFZ	XII	14 08 31 32.1–.14	8S–2.0	122E–2.0	10	5.7b,5.4L		
DJA	XII	14 08 31 32.9–.40	8S–1.0	122E–1.0	16–3	5.8b,5.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}6.92 $M_{\theta\theta}$-6.37 $M_{\phi\phi}$-0.55 $M_{r\theta}$2.84 $M_{\theta\phi}$-2.67 $M_{\phi r}$-0.74 NP1: ϕ_s81.75784°,δ55.65299°,λ105.48958°. NP2:ϕ_s235.59824°,δ37.28352°,λ68.65392°. Principal axes: T 7.7038,Plg74.0622°,Azm35.2072°; N 0.0993,Plg12.7382°,Azm252.8712° ; P -7.8031,Plg9.4191°,Azm160.7220° $M_0$7.75392×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(177) Kermadec Islands region

ISC	**XII**	**14 12 45 39.9–.33**	**30.38S–.04**	**177.64W–.07**	**33**	**5.0b,4.0s**	**290**	**1-159**
IDC	XII	14 12 45 35.6–.47	30.27S	177.88W	0	4.6b,4.6		**¶621629969**
BJI	XII	14 12 45 35.1	29.86S	176.90W	8	5.6b,5.1b		
NEIC	XII	14 12 45 36.4–1.4	30.35S–.07	177.5W–.10	10–1	5.2b,5.1b		
GFZ	XII	14 12 45 47.2–.37	30S–5.0	178W–6.0	83	5.1b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(267) Halmahera

ISC	**XII**	**14 14 11 10.5–.56**	**2.07N–.07**	**128.74E–.08**	**35**	**4.3b**	**76**	**0-92**
IDC	XII	14 14 11 05.5–1.3	1.91N	128.19E	0	3.8b,3.8		**¶621652924**
DJA	XII	14 14 11 08.3–.50	2N–5.0	129E–3.0	10	5.6b,5.1		
NEIC	XII	14 14 11 15.7–.84	1.89N–.09	128.4E–.10	81–8	4.4b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(211) Southeast of Honshu

ISC	**XII**	**15 02 53 05.2–.37**	**31.47N–.04**	**142.17E–.06**	**50**	**4.6b,3.6s**	**274**	**2-152**
MOS	XII	15 02 52 58.2–.90	31.43N	142.23E	10	4.7b,3.6s		**¶621630200**
BJI	XII	15 02 52 58.3	31.46N	142.19E	5	5.0b,4.6b		
IDC	XII	15 02 52 58.1–.55	31.34N	142.35E	0	4.3b,4.3		
GFZ	XII	15 02 53 00.1–.41	31N–4.0	142E–7.0	10	5.9,5.8		
NEIC	XII	15 02 53 00.4–1.0	31.50N–.09	142.2E–.10	10–1	4.7b,5.8		
NIED	XII	15 02 53 00.5	31.48N	142.46E	66	4.4W,5.8		
JMA	XII	15 02 53 00.5–.20	31.5N–.70	142.5E–1.0	66	4.3,5.8		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.18 $M_{\theta\theta}$0.71 $M_{\phi\phi}$3.47 $M_{r\theta}$-1.45 $M_{\theta\phi}$-1.36 $M_{\phi r}$1.02 NP1:ϕ_s348.00000°,δ36.00000°,λ-72.00000°. NP2:ϕ_s146.00000°

,δ56.00000°,λ-103.00000°. $M_0$4.47000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .

(279) Flores Sea

ISC	**XII**	**15 22 24 02.5–.34**	**7.31S–.03**	**121.15E–.03**	**10**	**4.6b,3.7s**	**202**	**1-93**
BJI	XII	15 22 23 57.1	8.00S	121.40E	10	4.9b,4.4b		¶621630946
NEIC	XII	15 22 24 01.7–.79	7.36S–.05	121.09E–.06	10–1	4.7b,4.4b		
IDC	XII	15 22 24 01.2–.59	7.04S	121.38E	0	4.1b,4.1		
DJA	XII	15 22 24 03.0–.10	7S–1.0	121E–1.0	10	5.5b,5.0b		
GFZ	XII	15 22 24 04.3–.19	7S–3.0	121E–3.0	10	5.7b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(280) Banda Sea

ISC	**XII**	**16 04 26 06.6–.27**	**7.07S–.02**	**128.72E–.03**	**16–1**	**5.6b,5.2s**	**1461**	**3-167**
BJI	XII	16 04 26 03.0	7.31S	128.98E	23	5.6b,5.4b		¶621630956
MOS	XII	16 04 26 04.4–.92	6.99S	128.68E	10	5.9b,5.1s		
IDC	XII	16 04 26 04.2–.31	7.00S	128.74E	0	5.4,5.3b		
DJA	XII	16 04 26 06.6–.10	7S–1.0	129E–1.0	11–1	6.1b,6.0		
GFZ	XII	16 04 26 06.4	7.10S	128.76E	11	5.6W,6.0		
NEIC	XII	16 04 26 07.0–1.7	7.04S–.05	128.69E–.05	10–1	5.7b,5.6		
GFZ	XII	16 04 26 06.3–.15	7S–2.0	129E–2.0	10	6.0,6.0b		
NEIC	XII	16 04 26 07.5	7.05S	128.67E	12	5.6,6.0b		
NEIC	XII	16 04 26 07.1	7.05S	128.67E	10	5.6,6.0b		
NEIC	XII	16 04 26 07.1	7.05S	128.67E	10	5.6,6.0b		
IPGP	XII	16 04 26 07.0	7.08S	128.68E	6	5.8W,6.0b		
GCMT	XII	16 04 26 08.6–.10	6.99S–.01	128.64E–.01	15–0	5.7W,6.0b		
PTWC	XII	16 04 26 09	7.10S	128.80E	143	5.7,6.0b		

ISC Event type se.
MOS Error ellipse: s-maj=8.1km s-min=4.4km az=117.7.
IDC Error ellipse: s-maj=10.7km s-min=7.6km az=84.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29 $M_{\theta\theta}$-1.83 $M_{\phi\phi}$2.12 $M_{r\theta}$-1.03 $M_{\theta\phi}$0.49 $M_{\phi r}$1.62 NP1: ϕ_s144.91552°,δ86.79257°,λ-136.10445°. NP2:ϕ_s51.83400°,δ46.19074°,λ-4.44673°. Principal axes: T 2.9331,Plg26.7397°,Azm269.7048°; N -0.2733,Plg46.0112°,Azm148.2436° ; P -2.6598,Plg31.9423°,Azm18.0122° $M_0$2.80642×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.4km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.74 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$2.82 $M_{r\theta}$-2.16 $M_{\theta\phi}$-0.59 $M_{\phi r}$0.78 NP1:ϕ_s23.35000°,δ43.66000°,λ-30.96000°. NP2:ϕ_s136.81000°,δ69.20000° ,λ-129.30000°. Principal axes: T 3.1972,Plg15.0000°,Azm254.0000°; N 0.4014,Plg36.0000° ,Azm153.0000°; P -3.5986,Plg50.0000°,Azm3.0000° $M_0$3.42000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$2.28 $M_{r\theta}$-0.67 $M_{\theta\phi}$-0.06 $M_{\phi r}$2.01 NP1:ϕ_s36.53000°,δ29.12000° ,λ-32.61000°. NP2:ϕ_s155.73000°,δ74.79000°,λ-115.14000°. Principal axes: T 3.2506,Plg26.0000°,Azm265.0000°; N -0.9467,Plg24.0000°,Azm163.0000° ; P -2.3039,Plg53.0000°,Azm35.0000° $M_0$2.90000×10^{17}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s241.00000°,δ89.00000°,λ40.00000°. NP2:ϕ_s150.00000° ,δ50.00000°,λ178.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112160426A. Moment Tensor Solution. s139,c259; s152,c292;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.59±.03 $M_{\theta\theta}$-3.13±.04; $M_{\phi\phi}$3.72±.04; $M_{r\theta}$-0.88±.10; $M_{\theta\phi}$0.76±.03; $M_{\phi r}$0.72±.09; Best double couple: NP1:ϕ_s50.00000° ,δ71.00000°,λ-7.00000°. NP2:ϕ_s143.00000°,δ83.00000°,λ-161.00000°. Principal axes: T 3.8910,Plg8.0000°,Azm275.0000°; N -0.3640,Plg70.0000°,Azm162.0000° ; P -3.5280,Plg18.0000°,Azm8.0000° $M_0$3.71000×10^{17}

(280) Banda Sea

ISC	**XII**	**16 04 43 33.2–.44**	**6.96S–.04**	**128.67E–.04**	**10**	**4.3b**	**140**	**3-152**
IDC	XII	16 04 43 31.4–.57	6.90S	128.67E	0	4.3L,4.2b		¶621630965
NEIC	XII	16 04 43 33.5–1.9	7.04S–.07	128.67E–.02	10–1	4.5b,4.2b		
DJA	XII	16 04 43 35.4–.80	7S–2.0	129E–1.0	18–7	6.2b,5.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(280) Banda Sea

ISC	**XII**	**16 05 07 06.0–.56**	**7.07S–.05**	**128.76E–.06**	**10**	**4.0b**	**76**	**3-77**
IDC	XII	16 05 07 05.7–.85	6.83S	128.73E	0	4.0,3.9L		¶621655756
NEIC	XII	16 05 07 06.3–1.2	7.05S–.05	128.77E–.05	10–1	4.0b,3.9L		
DJA	XII	16 05 07 08.4–.20	7S–2.0	129E–2.0	10	6.2b,5.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(289) Timor region

ISC	**XII**	**16 05 25 33.5–1.7**	**11.22S–.04**	**123.37E–.04**	**14–11**	**4.2b**	**104**	**1-82**
IDC	XII	16 05 25 33.8–1.2	11.07S	123.09E	0	4.1L,4.1		¶621630960
GFZ	XII	16 05 25 33.8–.27	11S–3.0	123E–3.0	10	5.1b,4.5		
NEIC	XII	16 05 25 33.4–1.8	11.19S–.03	123.20E–.07	10–1	4.1b,4.5		
DJA	XII	16 05 25 40.3–.70	11S–6.0	123E–2.0	33–6	5.6b,5.1		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(429) Mid-Indian Ridge

ISC	**XII**	**16 20 40 29.6–.32**	**40.66S–.06**	**78.38E–.07**	**10**	**5.0b,4.6s**	**237**	**3-174**
IDC	XII	16 20 40 28.0–.53	40.62S	78.52E	0	4.5b,4.5		¶621631472
BJI	XII	16 20 40 28.6	40.47S	78.44E	14	5.3b,5.0s		
NEIC	XII	16 20 40 29.5–1.6	40.61S–.09	78.4E–.10	10–1	5.1b,5.0s		
GFZ	XII	16 20 40 30.8–.21	41S–4.0	79E–4.0	10	5.8b,5.3		
GCMT	XII	16 20 40 33.0–.20	40.78S–.01	78.47E–.01	12	5.1W,5.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112162040A. Moment Tensor Solution. s74,c99; s106,c178; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.12 $M_{\theta\theta}$3.67±.11; $M_{\phi\phi}$-3.52±.12; $M_{r\theta}$-0.72±.28; $M_{\theta\phi}$-4.57±.09; $M_{\phi r}$0.42±.28; Best double couple: NP1:ϕ_s251.00000°,δ84.00000° ,λ175.00000°. NP2:ϕ_s341.00000°,δ85.00000°,λ6.00000°. Principal axes: T 6.0020,Plg8.0000°,Azm206.0000°; N -0.2590,Plg82.0000°,Azm21.0000° ; P -5.7400,Plg1.0000°,Azm116.0000° $M_0$5.87100×10^{16}

(153) South Sandwich Islands region

ISC	**XII**	**16 21 14 46.1–.61**	**60.12S–.04**	**23.78W–.04**	**15–3**	**5.8b,5.7s**	**1224**	**9-177**
IDC	XII	16 21 14 44.0–.29	60.05S	23.90W	0	5.7s,5.4b		¶621883710
IPGP	XII	16 21 14 45.0	60.23S	23.85W	16	6.0W,5.4b		
GFZ	XII	16 21 14 46.6–.11	60S–3.0	24W–2.0	10	6.4b,6.2		
NEIC	XII	16 21 14 46.6	60.18S	23.80W	15	6.4b,6.2		
ISC-P	XII	16 21 14 46	60.18S	23.84W	26–0	6.3,6.2		
NEIC	XII	16 21 14 46.6–1.6	60.18S–.08	23.8W–.20	15–1	5.9b,5.9		
NEIC	XII	16 21 14 46.6	60.18S	23.79W	15	5.9b,5.9		
MOS	XII	16 21 14 46.0–.91	60.15S	24.01W	18	6.0b,5.7s		
GFZ	XII	16 21 14 46.6	60.17S	23.90W	29	6.1W,5.7s		
PTWC	XII	16 21 14 49	60.00S	23.80W		6.1,5.7s		
NEIC	XII	16 21 14 50.2	59.98S	23.20W	20	6.0,5.7s		
GCMT	XII	16 21 14 50.6–.10	60.28S	23.11W	19–0	6.0W,5.7s		

ISC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=10.8km az=27.0.
IPGP Moment Tensor Solution. NP1:ϕ_s41.00000°,δ29.00000°,λ-78.00000°. NP2:ϕ_s207.00000° ,δ62.00000°,λ-96.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
ISC-P Moment Tensor Solution. s29 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.54±.07 $M_{\theta\theta}$0.37±.15; $M_{\phi\phi}$0.17±.12; $M_{r\theta}$0.27±.09; $M_{\theta\phi}$0.32±.15; $M_{\phi r}$-0.31±.14; NP1:ϕ_s278.40000°,δ54.20000° ,λ232.10000°. NP2:ϕ_s151.40000°,δ50.20000°,λ-49.60000°. $M_0$3.16000×10^{18}
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.7km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.77 $M_{\theta\theta}$1.42 $M_{\phi\phi}$4.35 $M_{r\theta}$2.67 $M_{\theta\phi}$1.55 $M_{\phi r}$4.65 NP1:ϕ_s207.72000°,δ67.44000°,λ-87.12000°. NP2:ϕ_s20.24000°,δ22.73000° ,λ-96.90000°. Principal axes: T 7.2178,Plg22.0000°,Azm296.0000°; N 0.7820,Plg3.0000° ,Azm27.0000°; P -7.9998,Plg67.0000°,Azm123.0000° $M_0$7.64000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=19.0km s-min=10.1km az=99.2.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.68 $M_{\theta\theta}$0.75 $M_{\phi\phi}$0.93 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.57 $M_{\phi r}$0.83 NP1: ϕ_s204.51547°,δ57.75402°,λ-105.16182°. NP2:ϕ_s51.44028°,δ35.28141°,λ-67.48160°. Principal axes: T 1.5399,Plg11.5339°,Azm305.3955°; N 0.3909,Plg12.7799°,Azm212.7424° ; P -1.9308,Plg72.6516°,Azm76.1825° $M_0$1.76806×10^{18}
PTWC SOUTH SANDWICH ISLANDS REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 5s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.24 $M_{\phi\phi}$0.78 $M_{r\theta}$-0.22 $M_{\theta\phi}$0.60 $M_{\phi r}$0.60 NP1:ϕ_s54.25000°,δ39.55000° ,λ-53.32000°. NP2:ϕ_s190.24000°,δ59.30000°,λ-116.25000°. Principal axes: T 1.2398,Plg11.0000°,Azm299.0000°; N 0.0674,Plg22.0000°,Azm204.0000° ; P -1.3071,Plg65.0000°,Azm52.0000° $M_0$1.27000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112162114A. Moment Tensor Solution. s157,c344; s159,c584;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.20±.01 $M_{\theta\theta}$0.32±.01; $M_{\phi\phi}$0.87±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$0.66±.01; $M_{\phi r}$0.63±.02; Best double couple: NP1: ϕ_s40.00000°,δ31.00000°,λ-79.00000°. NP2:ϕ_s208.00000°,δ59.00000°,λ-97.00000°. Principal axes: T 1.4840,Plg14.0000°,Azm302.0000°; N -0.1060,Plg6.0000°,Azm211.0000° ; P -1.3790,Plg75.0000°,Azm100.0000° $M_0$1.43200×10^{18}

(143) Off coast of southern Chile

ISC	**XII**	**16 21 28 30.7–.59**	**43.48S–.05**	**76.28W–.08**	**10**	**4.6b**	**135**	**2-174**
GUC	XII	16 21 28 27.5–.56	43.47S	76.52W	20	3.9L		¶621631477
IDC	XII	16 21 28 29.4–.92	43.41S	76.47W	0	4.3b,4.3		
NEIC	XII	16 21 28 29.6–1.8	43.36S–.06	76.3W–.10	10–1	4.6b,3.9L		
GFZ	XII	16 21 28 31.7–.33	43S–3.0	76W–4.0	10	5.5b,5.0		
VAO	XII	16 21 28 46.0–2.5	41.56S	75.83W	10	4.7b,5.0		

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=4.1km s-min=30.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.2km s-min=16.5km az=127.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.8km az=271.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=30.1km s-min=17.0km az=-1.0. Presumed earthquake.

(83) South of Panama

ISC	**XII**	**17 00 12 52.4–.31**	**4.91N–.03**	**82.59W–.04**	**12**	**4.8b,4.3s**	**541**	**3-157**
IDC	XII	17 00 12 50.9–.54	4.90N	82.60W	0	4.6,4.5b		¶621631488
RSNC	XII	17 00 12 51.5–.20	5N–1.0	83W–2.0	10	5.6b,5.2		
UPA	XII	17 00 12 52.1–1.6	5.01N	82.75W	10	5.0W,5.2		
CATAC	XII	17 00 12 52.4–.16	5N–1.0	83W–1.0	10	5.6b,5.3		
GFZ	XII	17 00 12 52.8–.14	5N–3.0	82W–5.0	10	5.7b,5.4L		
NEIC	XII	17 00 12 53.1–1.0	4.90N–.06	82.60W–.07	10–1	4.9b,5.4L		
GFZ	XII	17 00 12 53.3	4.97N	82.53W	15	5.1W,5.4L		
UCR	XII	17 00 12 53.0–1.2	5.19N	82.72W	3–36	5.2b,5.4L		
NEIC	XII	17 00 12 53.5	4.92N	82.59W	10	5.2b,5.4L		
GCMT	XII	17 00 12 56.9–.10	4.90N–.01	82.61W–.01	19–0	5.2W,5.4L		
NEIC	XII	17 00 12 59.4	4.92N	82.59W	12	5.1,5.4L		

ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=9.4km az=54.0.
UPA Event type se. Error ellipse: s-maj=5.0km s-min=5.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=3.5km s-min=2.1km az=46.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.57 $M_{\theta\theta}$1.15 $M_{\phi\phi}$-0.58 $M_{r\theta}$-0.74 $M_{\theta\phi}$-0.53 $M_{\phi r}$1.96 NP1:ϕ_s150.01192° ,δ83.24598°,λ-63.65192°. NP2:ϕ_s253.36985°,δ27.13988°,λ-165.05942°. Principal axes: T 2.1724,Plg33.0992°,Azm218.0110°; N 0.3618,Plg26.1513°,Azm326.6783° ; P -2.5342,Plg45.4315°,Azm86.5763° $M_0$2.37407×10^{17}
GFZ Error ellipse: s-maj=11.5km s-min=3.9km az=68.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.1km az=249.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.52 $M_{\theta\theta}$1.37 $M_{\phi\phi}$0.15 $M_{r\theta}$0.58 $M_{\theta\phi}$5.50 $M_{\phi r}$0.36 NP1: ϕ_s93.21329°,δ88.01157°,λ4.92537°. NP2:ϕ_s3.04196°,δ85.07760°,λ178.00420°. Principal axes: T 6.3460,Plg4.8881°,Azm318.2165°; N -1.5695,Plg84.6893°,Azm115.1448° ; P -4.7766,Plg2.0711°,Azm228.0393° $M_0$5.72498×10^{16}
UCR Event type se. Error ellipse: s-maj=41.4km s-min=7.7km az=-1.0. Presumed earthquake.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112170012A. Moment Tensor Solution. s84,c120; s135,c246;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.78±.15 $M_{\theta\theta}$0.99±.12; $M_{\phi\phi}$-0.21±.15; $M_{r\theta}$1.47±.28; $M_{\theta\phi}$8.17±.12; $M_{\phi r}$1.59±.31; Best double couple: NP1:ϕ_s93.00000° ,δ80.00000°,λ8.00000°. NP2:ϕ_s1.00000°,δ82.00000°,λ170.00000°. Principal axes: T 9.0540,Plg12.0000°,Azm317.0000°; N -1.2450,Plg78.0000°,Azm144.0000° ; P -7.8090,Plg1.0000°,Azm47.0000° $M_0$8.43100×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-0.85 $M_{r\theta}$0.99 $M_{\theta\phi}$5.76 $M_{\phi r}$1.87 NP1:ϕ_s95.81000°,δ72.35000°,λ5.77000°. NP2:ϕ_s4.06000°,δ84.51000°,λ162.27000°. Principal axes: T 6.5261,Plg16.0000° ,Azm319.0000°; N -0.6820,Plg71.0000°,Azm167.0000°; P -5.8441,Plg8.0000°,Azm51.0000° $M_0$6.21000×10^{16}

(731) North of Honduras

ISC	**XII**	**17 13 58 33.3–.32**	**16.97N–.03**	**85.44W–.04**	**10**	**4.9b,3.9s**	**373**	**3-145**
CATAC	XII	17 13 58 32.8–.21	17N–2.0	85W–2.0	1	5.7b,5.6b		¶621632743
IDC	XII	17 13 58 32.2–.55	16.96N	85.33W	0	4.6,4.5b		
NEIC	XII	17 13 58 34.2–1.2	16.97N–.06	85.38W–.02	10–1	4.9b,4.5b		
GFZ	XII	17 13 58 35.7–.23	17N–2.0	86W–4.0	10	5.7L,5.5b		
GCMT	XII	17 13 58 39.4–.30	17.09N–.02	85.36W–.03	31–1	4.9W,5.5b		
GCG	XII	17 13 58 42.7–1.0	17.03N	86.09W	50–513	5.1,5.5b		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.9km s-min=4.0km az=132.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.65 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-0.43 $M_{r\theta}$-0.84 $M_{\theta\phi}$-1.55 $M_{\phi r}$0.19 NP1:ϕ_s26.01991° ,δ44.08877°,λ49.51738°. NP2:ϕ_s255.93949°,δ58.04816°,λ122.16533°. Principal axes: T 2.0569,Plg61.8960°,Azm218.9844°; N 0.4420,Plg26.8533°,Azm57.5314° ; P -2.4989,Plg7.6825°,Azm323.6152° $M_0$2.30984×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.31 $M_{\theta\theta}$1.22 $M_{\phi\phi}$-4.53 $M_{r\theta}$-3.41 $M_{\theta\phi}$-3.89 $M_{\phi r}$4.28 NP1: ϕ_s240.12059°,δ45.55642°,λ153.60034°. NP2:ϕ_s349.28704°,δ71.49188°,λ47.59509°. Principal axes: T 8.3970,Plg46.0202°,Azm215.9175°; N -1.2589,Plg39.7535°,Azm5.4545° ; P -7.1381,Plg15.7034°,Azm108.9790° $M_0$7.84372×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.43 $M_{\theta\theta}$3.24 $M_{\phi\phi}$-5.67 $M_{r\theta}$-1.88 $M_{\theta\phi}$-2.44 $M_{\phi r}$5.16 NP1: ϕ_s339.84152°,δ78.47507°,λ52.79067°. NP2:ϕ_s235.09944°,δ38.70520°,λ161.36666°. Principal axes: T 7.0193,Plg43.8747°,Azm213.4576°; N 1.3348,Plg36.3372°,Azm348.4677° ; P -8.3541,Plg24.2382°,Azm97.8075° $M_0$7.77316×10^{16}
IDC Error ellipse: s-maj=13.4km s-min=12.2km az=36.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.2km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112171358A. Moment Tensor Solution. s35,c46; s95,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.02±.14 $M_{\theta\theta}$-1.35±.11; $M_{\phi\phi}$1.37±.13; $M_{r\theta}$0.81±.15; $M_{\theta\phi}$2.33±.08; $M_{\phi r}$0.85±.17; Best double couple: NP1:ϕ_s73.00000°,δ70.00000° ,λ-9.00000°. NP2:ϕ_s166.00000°,δ81.00000°,λ-160.00000°. Principal axes: T 2.7510,Plg7.0000°,Azm298.0000°; N 0.3560,Plg68.0000°,Azm189.0000° ; P -3.1030,Plg20.0000°,Azm31.0000° $M_0$2.92700×10^{16}
GCG Event type se. Error ellipse: s-maj=19.5km s-min=194.7km az=-1.0. Presumed earthquake.

(249) Luzon

ISC	**XII**	**17 14 28 56.0–.31**	**12.90N–.04**	**123.65E–.05**	**13**	**4.8b,4.0s**	**263**	**3-150**
BJI	XII	17 14 28 49.4	12.38N	123.82E	10	5.3b,4.6s		**¶621632748**
NEIC	XII	17 14 28 55.4–1.2	12.81N–.07	123.57E–.05	10–1	4.9b,4.6s		
GFZ	XII	17 14 28 55.4–.20	13N–2.0	124E–4.0	10	5.6b,5.1		
GCMT	XII	17 14 28 58.4–.20	12.86N–.02	123.57E–.02	14–1	4.9W,5.1		
IDC	XII	17 14 29 01.1–2.6	12.73N	123.56E	62–24	4.4L,4.3		
DJA	XII	17 14 29 03.9–1.0	13N–4.0	123E–5.0	80–10	5.5b,5.0		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112171428A. Moment Tensor Solution. s27,c34; s93,c133; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.91±.13 $M_{\theta\theta}$0.42±.07; $M_{\phi\phi}$1.48±.08; $M_{r\theta}$-1.30±.21; $M_{\theta\phi}$-1.61±.05; $M_{\phi r}$0.46±.16; Best double couple: NP1:ϕ_s348.00000°,δ37.00000°,λ-51.00000°. NP2:ϕ_s123.00000°,δ62.00000°,λ-115.00000°. Principal axes: T 2.9200,Plg14.0000°,Azm231.0000°; N -0.4190,Plg22.0000°,Azm135.0000°; P -2.5080,Plg64.0000°,Azm350.0000° M_o2.71400×10^{16}

(173) Tonga Islands

ISC	**XII**	**18 01 12 28.6–.33**	**21.88S–.07**	**174.48W–.07**	**10**	**5.0b,4.4s**	**263**	**8-162**
IDC	XII	18 01 12 26.8–.44	21.84S	174.48W	0	4.6b,4.6		**¶621633317**
BJI	XII	18 01 12 28.0	21.47S	174.17W	6	5.6b,5.2b		
NEIC	XII	18 01 12 29.4–2.7	21.80S–.09	174.5W–.10	10–1	5.1b,5.2b		
GFZ	XII	18 01 12 30.4–.21	22S–7.0	175W–5.0	10	5.3,5.1		
GCMT	XII	18 01 12 33.1–.20	22.03S–.03	173.98W–.02	17–0	5.0W,5.1		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112180112A. Moment Tensor Solution. s41,c51; s102,c132; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.56±.20 $M_{\theta\theta}$-1.18±.13; $M_{\phi\phi}$-2.38±.12; $M_{r\theta}$1.24±.41; $M_{\theta\phi}$-1.28±.08; $M_{\phi r}$1.92±.31; Best double couple: NP1:ϕ_s212.00000°,δ28.00000°,λ90.00000°. NP2:ϕ_s33.00000°,δ62.00000°,λ90.00000°. Principal axes: T 4.2610,Plg73.0000°,Azm303.0000°; N -0.3660,Plg0.0000°,Azm213.0000°; P -3.8940,Plg17.0000°,Azm123.0000° M_o4.07800×10^{16}

(640) Greenland Sea

ISC	**XII**	**18 08 50 59.3–.93**	**79.10N–.04**	**2.07E–.03**	**10–5**	**4.5b,3.6s**	**356**	**3-121**
NAO	XII	18 08 50 58.9–.60	79.31N	2.75E	10	4.4L,3.6s		**¶621633481**
MOS	XII	18 08 50 58.2–1.1	78.99N	2.15E	10	4.7b,3.6s		
IDC	XII	18 08 50 59.4–.49	79.14N	2.12E	0	4.1b,4.1		
NEIC	XII	18 08 50 59.7–1.2	79.05N–.09	2.3E–.30	10–1	4.6b,4.1		
BER	XII	18 08 50 59.3–1.5	79.16N	2.62E	10	4.7W,4.4L		
KOGSR	XII	18 08 51 00.7	79.97N	7.11E	0	2.7L,4.4L		
FCIAR	XII	18 08 51 01.0	79.17N	2.38E	10	2.7L,4.4L		
GFZ	XII	18 08 51 01.4–.20	79N–4.0	1E–3.0	10	5.9b,5.5		
DNK	XII	18 08 51 04.9–2.2	79.26N	0.16W	19–53	3.0L,5.5		

ISC Event type ke.

NAO Event type se. Presumed earthquake.

MOS Error ellipse: s-maj=30.6km s-min=5.7km az=95.6.

IDC Error ellipse: s-maj=14.2km s-min=9.5km az=28.0.

NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.4km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

BER Event type ke. Error ellipse: s-maj=9.0km s-min=32.4km az=-1.0. Confirmed Earthquake.

KOGSR Error ellipse: s-maj=205.3km s-min=61.1km az=50.0. Greenland sea.

FCIAR station ZFI2 has station magnitude of 3.7. station OMEGA has station magnitude of 3.7. station LSH has station magnitude of 3.9.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

DNK Event type se. Error ellipse: s-maj=10.6km s-min=285.2km az=-1.0. Presumed earthquake.

(192) New Britain region

ISC	**XII**	**18 13 32 42.8–.41**	**5.76S–.05**	**151.88E–.08**	**36**	**4.7b,3.7s**	**73**	**2-151**
IDC	XII	18 13 32 37.3–.60	5.57S	151.93E	0	4.2b,4.2		**¶621657005**
NEIC	XII	18 13 32 39.3–2.1	5.76S–.06	151.90E–.05	10–1	4.8b,4.2		
DJA	XII	18 13 32 39.8–.30	6S–3.0	153E–5.0	10	6.0b,5.6		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(196) Irian Jaya region

ISC	**XII**	**18 18 26 00.5–.47**	**0.72S–.03**	**131.57E–.04**	**14–2**	**5.4b,5.0s**	**885**	**1-173**
BJI	XII	18 18 25 56.2	0.98S	131.69E	16	5.5b,5.1s		**¶621633500**
MOS	XII	18 18 25 58.7–1.0	0.67S	131.47E	13	5.5b,4.6s		
IDC	XII	18 18 25 58.9–.39	0.68S	131.42E	0	5.0b,5.0		
NEIC	XII	18 18 25 59.3	0.71S	131.48E	10	5.0b,5.0		
NEIC	XII	18 18 25 59.2–1.3	0.69S–.06	131.52E–.08	10–1	5.5b,5.4		
NEIC	XII	18 18 25 59.3	0.71S	131.48E	10	5.5b,5.4		
GFZ	XII	18 18 26 01.1–.19	1S–2.0	132E–3.0	10	5.7b,5.7L		
DJA	XII	18 18 26 03.5–.40	1S–2.0	132E–1.0	27–3	5.8b,5.7		
GCMT	XII	18 18 26 03.1–.10	0.66S–.01	131.44E–.01	15–0	5.3W,5.7		
GFZ	XII	18 18 26 04.0	0.74S	131.48E	20	5.2W,5.7		
NEIC	XII	18 18 26 07.2	0.71S	131.48E	12	5.2,5.7		

ISC Event type se.

MOS Error ellipse: s-maj=8.3km s-min=4.7km az=117.3.

IDC Error ellipse: s-maj=13.6km s-min=8.3km az=74.0.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.2km s-min=7.2km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-1.11 $M_{\phi\phi}$0.86 $M_{r\theta}$0.47 $M_{\theta\phi}$1.08 $M_{\phi r}$0.29 NP1:ϕ_s337.61000°,δ68.63000°,λ172.29000°. NP2:ϕ_s70.43000°,δ82.83000°,λ21.54000°. Principal axes: T 1.5016,Plg20.0000°,Azm296.0000°; N 0.1349,Plg67.0000°,Azm88.0000°; P -1.6365,Plg10.0000°,Azm202.0000° M_o1.57000×10^{17}

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112181825A. Moment Tensor Solution. s100,c153; s140,c242;Duration: 1ş1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06±.02 $M_{\theta\theta}$-0.80±.02; $M_{\phi\phi}$0.86±.02; $M_{r\theta}$0.22±.04; $M_{\theta\phi}$0.84±.01; $M_{\phi r}$0.34±.06; Best double couple: NP1:ϕ_s337.00000°,δ76.00000°,λ171.00000°. NP2:ϕ_s69.00000°,δ81.00000°,λ14.00000°. Principal axes: T 1.3310,Plg16.0000°,Azm293.0000°; N -0.1690,Plg73.0000°,Azm99.0000°; P -1.1610,Plg4.0000°,Azm202.0000° M_o1.24600×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.02 $M_{\theta\theta}$-5.63 $M_{\phi\phi}$6.66 $M_{r\theta}$1.80 $M_{\theta\phi}$6.55 $M_{\phi r}$2.60 NP1:ϕ_s337.29792°,δ75.56946°,λ172.66962°. NP2:ϕ_s69.13409°,δ82.90210°,λ14.54443°. Principal axes: T 10.3416,Plg15.2831°,Azm293.9367°; N -1.8135,Plg73.8497°,Azm94.6010°; P -8.5282,Plg5.0970°,Azm202.5401° M_o9.56472×10^{16}

NEIC Event type se. Moment Tensor Solution.Duration: 1ş1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.26 $M_{\theta\theta}$-5.95 $M_{\phi\phi}$4.69 $M_{r\theta}$1.56 $M_{\theta\phi}$4.87 $M_{\phi r}$1.69 NP1:ϕ_s334.78000°,δ72.33000°,λ169.76000°. NP2:ϕ_s67.92000°,δ80.25000°,λ17.94000°. Principal axes: T 7.3446,Plg20.0000°,Azm292.0000°; N 0.5807,Plg70.0000°,Azm96.0000°; P -7.9253,Plg5.0000°,Azm200.0000° M_o7.65000×10^{16}

(431) Prince Edward Islands region

ISC	**XII**	**18 20 05 44.8–.20**	**47.27S–.03**	**33.48E–.04**	**6**	**5.8s,5.4b**	**805**	**13-162**
IDC	XII	18 20 05 43.7–.35	47.26S	33.58E	0	5.6s,4.9b		**¶621633506**
MOS	XII	18 20 05 43.5–1.2	47.18S	33.40E	10	5.8b,5.6s		
NEIC	XII	18 20 05 44.7	47.03S	33.64E	10	5.8b,5.6s		
NEIC	XII	18 20 05 44.6	47.10S	33.45E	10	5.8b,5.6s		
IPGP	XII	18 20 05 44.0	47.10S	33.46E	12	6.1W,5.6s		
NEIC	XII	18 20 05 45.1–1.1	47.13S–.09	33.5E–.10	10–1	5.9,5.8		
ISC-P	XII	18 20 05 45	47.13S	33.51E	7–0	6.2,5.8		
GFZ	XII	18 20 05 46.4–.16	47S–3.0	33E–4.0	10	6.0b,5.8		
GFZ	XII	18 20 05 46.5	47.19S	33.38E	20	5.9W,5.8		
PTWC	XII	18 20 05 47	47.00S	32.90E	10	6.1,5.8		
NEIC	XII	18 20 05 48.9	46.80S	33.60E	26	6.0,5.8		
GCMT	XII	18 20 05 49.3–.10	46.95S	33.56E	21–0	6.0W,5.8		

ISC Event type se.

IDC Error ellipse: s-maj=14.8km s-min=11.6km az=71.0.

MOS Error ellipse: s-maj=15.3km s-min=7.3km az=88.8.

NEIC Event type se.

NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s200.00000°,δ84.00000°,λ163.00000°. NP2:ϕ_s291.00000°,δ73.00000°,λ7.00000°.

NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.7km az=227.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03 $M_{\theta\theta}$6.67 $M_{\phi\phi}$-6.64 $M_{r\theta}$-0.64 $M_{\theta\phi}$5.23 $M_{\phi r}$-2.62 NP1:ϕ_s26.34000°,δ86.84000°,λ-162.79000°. NP2:ϕ_s295.36000°,δ72.82000°,λ-3.31000°. Principal axes: T 8.7329,Plg10.0000°,Azm160.0000°; N 0.2988,Plg73.0000°,Azm36.0000°; P -9.0317,Plg14.0000°,Azm252.0000° M_o8.89000×10^{17}

ISC-P Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}0.48±.19 $M_{\theta\theta}$0.04±.25; $M_{\phi\phi}$-0.03±.16; $M_{r\theta}$0.07±.13; $M_{\theta\phi}$-0.47±.14; $M_{\phi r}$0.39±.16; NP1:ϕ_s166.00000°,δ72.70000°,λ119.10000°. NP2:ϕ_s284.10000°,δ33.40000°,λ32.70000°. M_o2.40000×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.35 $M_{\theta\theta}$4.12 $M_{\phi\phi}$-5.47 $M_{r\theta}$0.98 $M_{\theta\phi}$6.75 $M_{\phi r}$-0.69 NP1:ϕ_s287.71780°,δ89.44808°,λ-7.70699°. NP2:ϕ_s17.79248°,δ82.29337°,λ-179.44305°. Principal axes: T 7.6493,Plg5.0493°,Azm333.0134°; N 1.4086,Plg82.2734°,Azm103.6464°; P -9.0578,Plg5.8333°,Azm242.4962° M_o8.44216×10^{17}

PTWC PRINCE EDWARD ISLANDS REGION.

NEIC Event type se. Moment Tensor Solution.Duration: 4ş7 Moment tensor: Scale 10^{18}Nm; M_{rr}0.07 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-0.66 $M_{r\theta}$-0.49 $M_{\theta\phi}$0.71 $M_{\phi r}$-0.07 NP1:ϕ_s197.88000°,δ66.75000°,λ167.84000°. NP2:ϕ_s292.74000°,δ78.84000°,λ23.73000°. Principal axes: T 1.1331,Plg25.0000°,Azm157.0000°; N -0.1259,Plg64.0000°,Azm317.0000°; P -1.0073,Plg8.0000°,Azm64.0000° M_o1.08000×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112182005A. Moment Tensor Solution. s150,c299; s162,c550;Duration: 2ş4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04±.01 $M_{\theta\theta}$0.77±.01; $M_{\phi\phi}$-0.72±.01; $M_{r\theta}$0.04±.01; $M_{\theta\phi}$0.93±.01; $M_{\phi r}$-0.17±.01; Best double couple: NP1:ϕ_s289.00000°,δ83.00000°,λ-5.00000°. NP2:ϕ_s20.00000°,δ86.00000°,λ-173.00000°. Principal axes: T 1.2210,Plg2.0000°,Azm154.0000°; N -0.0210,Plg82.0000°,Azm51.0000°; P -1.2000,Plg8.0000°,Azm245.0000° M_o1.21000×10^{18}

(189) Southeast of Loyalty Islands

ISC	**XII**	**18 20 14 15.8–.34**	**21.45S–.04**	**170.18E–.05**	**10**	**5.2s,4.9b**	**315**	**2-151**
IDC	XII	18 20 14 13.7–.57	21.56S	170.32E	0	4.6,4.5b		**¶621633508**
GFZ	XII	18 20 14 13.3–.29	21S–4.0	170E–4.0	10	6.5,6.5		
NEIC	XII	18 20 14 16.1–1.3	21.44S–.07	170.13E–.03	10–1	5.1,5.0b		
NOU	XII	18 20 14 19.6	21.46S	170.02E	18	5.0b,5.0b		
GCMT	XII	18 20 14 20.6–.30	21.35S–.02	170.17E–.02	24–1	5.3W,5.0b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU Southeast of Loyalty Islands.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112182014A. Moment Tensor Solution. s33,c41; s83,c105; Duration: 1ş0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.04 $M_{\theta\theta}$-0.46±.04; $M_{\phi\phi}$0.62±.04; $M_{r\theta}$0.20±.07; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$0.46±.08; Best double couple: NP1:ϕ_s292.00000°,δ58.00000°,λ-172.00000°. NP2:ϕ_s198.00000°,δ83.00000°,λ-33.00000°. Principal axes: T 1.0110,Plg17.0000°,Azm249.0000°; N -0.0790,Plg57.0000°,Azm7.0000°; P -0.9320,Plg28.0000°,Azm150.0000° M_o0.97200×10^{17}

(325) Qinghai

ISC	**XII**	**18 23 54 27.8–.32**	**38.91N–.03**	**92.60E–.03**	**14–1**	**5.4b,4.5s**	**1145**	**3-167**
BGR	XII	18 23 54 14.8	36.57N	93.74E	17–8	5.7b,4.5s		**¶621633599**
MOS	XII	18 23 54 25.6–.99	38.87N	92.61E	13	5.6b,4.8s		
IDC	XII	18 23 54 25.6–.35	38.87N	92.69E	0	4.9b,4.9		
BJI	XII	18 23 54 26.2	38.97N	92.67E	10	5.4b,5.2s		
NEIC	XII	18 23 54 27.1–.98	38.92N–.07	92.62E–.08	10–1	5.4b,5.2s		
GFZ	XII	18 23 54 28.3–.21	39N–3.0	93E–3.0	10	5.6b,5.3b		
GCMT	XII	18 23 54 31.2–.20	39.07N–.01	92.62E–.01	26–0	5.1W,5.3b		

ISC Event type ke.

BGR Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112182354A. Moment Tensor Solution. s33,c38; s113,c201; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.08±.19 $M_{\theta\theta}$-0.07±.13; $M_{\phi\phi}$-3.01±.12; $M_{r\theta}$-1.43±.22; $M_{\theta\phi}$4.08±.08; $M_{\phi r}$-1.39±.20; Best double couple: NP1:ϕ_s290.00000°,δ57.00000°,λ36.00000°. NP2:ϕ_s179.00000°,δ61.00000°,λ141.00000°. Principal axes: T 4.9190,Plg47.0000°,Azm143.0000°; N 0.9730,Plg43.0000°,Azm327.0000°; P -5.8870,Plg2.0000°,Azm235.0000° M_o5.40300×10^{16}

(703) Andaman Islands region

ISC	**XII**	**19 03 19 46.1–.36**	**13.64N–.03**	**92.75E–.03**	**16–2**	**5.2b,4.4s**	**907**	**2-161**
IDC	XII	19 03 19 43.4–.38	13.61N	92.79E	0	4.8b,4.8		**¶621633612**
BJI	XII	19 03 19 43.2	13.57N	92.60E	12	5.3b,4.7s		
MOS	XII	19 03 19 43.1–.97	13.59N	92.81E	11	5.2b,4.4s		
NDI	XII	19 03 19 43.7–1.5	13.97N	93.23E	58–48	5.0W,4.4s		
BGR	XII	19 03 19 44.8	12.60N	92.80E	33–4	5.2b,4.6s		
GFZ	XII	19 03 19 46.4	13.74N	92.71E	25	5.0W,4.6s		
NEIC	XII	19 03 19 46.2–1.7	13.74N–.06	92.75E–.07	10–1	5.3b,5.1		
GFZ	XII	19 03 19 47.0–.14	14N–2.0	93E–3.0	10	5.5b,5.2b		
BKK	XII	19 03 19 46.0–1.5	14N–6.0	93E–13	10	5.5b,5.4L		
DJA	XII	19 03 19 48.3–.80	14N–2.0	93E–2.0	29–6	5.9b,5.5		
GCMT	XII	19 03 19 49.6–.20	13.61N–.01	92.64E–.01	14–0	5.1W,5.5		

ISC Event type ke.

NDI Event type se. Presumed earthquake.

BGR Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.98 $M_{\theta\theta}$3.21 $M_{\phi\phi}$-0.23 $M_{r\theta}$-0.19 $M_{\theta\phi}$2.49 $M_{\phi r}$-1.98 NP1:ϕ_s34.65453°,δ60.76157°,λ-126.73774°. NP2:ϕ_s271.45382°,δ45.63061°,λ-43.10101°. Principal axes: T 4.6838,Plg8.5738°,Azm149.9786°; N -0.5101,Plg31.4628°,Azm54.6852°; P -4.1737,Plg57.1242°,Azm253.4683° M_o4.45072×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112190319A. Moment Tensor Solution. s62,c82; s107,c179; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.26±.12 $M_{\theta\theta}$2.98±.10; $M_{\phi\phi}$-0.72±.08; $M_{r\theta}$3.64±.30; $M_{\theta\phi}$2.66±.07; $M_{\phi r}$-0.99±.19; Best double couple: NP1:ϕ_s27.00000°,δ38.00000°,λ-154.00000°. NP2:ϕ_s276.00000°,δ74.00000°,λ-55.00000°. Principal axes: T 5.4820,Plg22.0000°,Azm340.0000°; N -0.2890,Plg33.0000°,Azm85.0000°; P -5.1970,Plg49.0000°,Azm223.0000° M_o5.33900×10^{16}

(249) Luzon

ISC	**XII**	**19 06 27 06.3–.34**	**15.52N–.04**	**119.96E–.06**	**53**	**4.5b,3.4s**	**139**	**2-153**
GFZ	XII	19 06 27 09.0–.16	16N–2.0	120E–3.0	74	5.7b,5.3		**¶621633616**
NEIC	XII	19 06 27 09.6–1.1	15.48N–.04	120.04E–.08	84–7	4.5b,5.3		
IDC	XII	19 06 27 10.2–1.2	15.43N	120.05E	96–13	4.1,3.8b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=12.8km s-min=1.9km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=20.5km s-min=12.2km az=74.0.

(274) Southern Sumatera

ISC	**XII**	**19 07 58 22.2–.52**	**6.04S–.05**	**104.26E–.05**	**49**	**4.2b**	**70**	**1-145**
NEIC	XII	19 07 58 23.0–.94	5.9S–.10	104.3E–.10	69–12	4.2b		**¶621657065**
DJA	XII	19 07 58 25.9–.40	6S–3.0	104E–2.0	30–4	6.0b,5.7		
IDC	XII	19 07 58 32.5–5.8	5.27S	104.95E	135–39	4.1,3.7b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=2.3km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=142.3km s-min=17.3km az=52.0.

(186) Vanuatu Islands

ISC	**XII**	**19 12 40 01.4–.48**	**19.17S–.05**	**169.71E–.06**	**25–3**	**4.9b,3.9s**	**190**	**4-159**
IDC	XII	19 12 39 57.1–.52	19.14S	169.85E	0	4.6b,4.6		**¶621633689**
BJI	XII	19 12 39 59.2	19.07S	170.43E	34	5.5b,4.9b		
GCMT	XII	19 12 40 02.5–.30	18.86S–.04	169.72E–.03	18–1	4.9W,4.9b		
NEIC	XII	19 12 40 03.4–1.5	19.19S–.07	169.69E–.08	36–7	4.9b,4.9b		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112191240A. Moment Tensor Solution. s12,c14; s68,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.05±.18 $M_{\theta\theta}$0.33±.11; $M_{\phi\phi}$1.72±.13; $M_{r\theta}$1.58±.29; $M_{\theta\phi}$-0.58±.06; $M_{\phi r}$0.24±.27; Best double couple: NP1:ϕ_s182.00000°,δ45.00000° ,λ-50.00000°. NP2:ϕ_s312.00000°,δ57.00000°,λ-123.00000°. Principal axes: T 1.9640,Plg7.0000°,Azm65.0000°; N 0.9200,Plg27.0000°,Azm331.0000° ; P -2.8890,Plg62.0000°,Azm167.0000° M_o2.42600×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(706) Northern Sumatera

ISC	**XII**	**19 14 34 56.2–.96**	**4.53N–.03**	**96.34E–.03**	**17–6**	**4.6b,3.7s**	**193**	**0-124**
IDC	XII	19 14 34 52.5–.82	4.42N	96.08E	0	4.1b,4.1		**¶621633694**
GFZ	XII	19 14 34 54.0–.26	4N–3.0	96E–4.0	10	5.7b,5.2		
NEIC	XII	19 14 34 55.5–1.2	4.56N–.07	96.26E–.08	10–1	4.6b,5.2		
DJA	XII	19 14 34 57.3–.10	5N–1.0	96E–1.0	10	5.4b,4.8		
BKK	XII	19 14 34 57.4–.70	5N–3.0	96E–10	10	4.7,4.7		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(182) Fiji Islands

ISC	**XII**	**19 16 28 25.1–.33**	**16.36S–.03**	**178.47E–.03**	**19–1**	**6.0s,5.8b**	**1408**	**1-170**
IDC	XII	19 16 28 21.8–.36	16.36S	178.35E	0	5.8s,5.0b		**¶621633697**
NEIC	XII	19 16 28 22.6–1.3	16.31S–.07	178.58E–.08	10–1	6.1,6.0b		
ISC-P	XII	19 16 28 22	16.31S	178.58E	26–0	6.3,6.0b		
NEIC	XII	19 16 28 22.6	16.30S	178.58E	10	6.3,6.0b		
BJI	XII	19 16 28 22.7	16.30S	178.40E	10	6.4b,6.2s		
NEIC	XII	19 16 28 22.6	16.30S	178.59E	10	6.4b,6.2s		
IPGP	XII	19 16 28 22.0	16.28S	178.55E	13	6.2W,6.2s		
BGR	XII	19 16 28 23.2	18.03S	178.02W	33	6.1s,6.2s		
MOS	XII	19 16 28 23.3–1.5	16.35S	178.37E	13	6.0s,5.8b		
PTWC	XII	19 16 28 25	16.20S	178.60E		6.2,5.8b		
GFZ	XII	19 16 28 25.2	16.39S	178.32E	17	6.2W,5.8b		
GFZ	XII	19 16 28 25.2–.24	16S–2.0	178E–2.0	23–1	6.4b,6.2		
NOU	XII	19 16 28 29.3	16.39S	178.29E	41	5.6,6.2		
GCMT	XII	19 16 28 30.5–.00	16.12S	178.32E	16–0	6.2W,6.2		
NEIC	XII	19 16 28 33.1	15.80S	178.58E	16	6.2,6.2		

ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=11.9km az=120.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.7km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$0.28 $M_{r\theta}$0.55 $M_{\theta\phi}$1.70 $M_{\phi r}$0.30 NP1:ϕ_s354.39000°,δ72.48000°,λ173.39000°. NP2:ϕ_s86.39000°,δ83.70000° ,λ17.63000°. Principal axes: T 1.9132,Plg17.0000°,Azm312.0000°; N -0.1849,Plg71.0000° ,Azm105.0000°; P -1.7283,Plg8.0000°,Azm219.0000° M_o1.83000×10^{18}
ISC-P Moment Tensor Solution. s29 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.01±.11 $M_{\theta\theta}$-0.58±.17; $M_{\phi\phi}$0.57±.14; $M_{r\theta}$0.09±.20; $M_{\theta\phi}$-0.08±.09; $M_{\phi r}$0.40±.12; NP1:ϕ_s332.60000°,δ87.00000° ,λ188.90000°. NP2:ϕ_s242.10000°,δ81.10000°,λ-3.00000°. M_o3.39000×10^{18}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s352.00000°,δ82.00000°,λ177.00000°. NP2:ϕ_s83.00000° ,δ87.00000°,λ8.00000°.
BGR Event type ke.
MOS Error ellipse: s-maj=8.2km s-min=7.2km az=103.2.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.58 $M_{\theta\theta}$0.05 $M_{\phi\phi}$0.54 $M_{r\theta}$0.27 $M_{\theta\phi}$2.11 $M_{\phi r}$-0.12 NP1: ϕ_s357.23488°,δ80.19402°,λ-172.52580°. NP2:ϕ_s265.95488°,δ82.63561°,λ-9.88836°. Principal axes: T 2.4206,Plg1.7072°,Azm311.7751°; N -0.5263,Plg77.6925°,Azm49.6272° ; P -1.8942,Plg12.1848°,Azm221.4064° M_o2.20502×10^{18}
GFZ Error ellipse: s-maj=5.3km s-min=4.5km az=144.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112191628A. Moment Tensor Solution. s152,c351; s170,c636;Duration: 3ŝ1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.33±.01 $M_{\theta\theta}$-0.63±.01; $M_{\phi\phi}$0.95±.01; $M_{r\theta}$0.63±.03; $M_{\theta\phi}$2.31±.01; $M_{\phi r}$-0.29±.03; Best double couple: NP1:ϕ_s352.00000°,δ76.00000°,λ-169.00000°. NP2:ϕ_s259.00000°,δ80.00000°,λ-14.00000°. Principal axes: T 2.6100,Plg3.0000°,Azm306.0000°; N -0.1170,Plg72.0000°,Azm44.0000° ; P -2.4930,Plg17.0000°,Azm215.0000° M_o2.55200×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6ŝ7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.20 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$0.88 $M_{r\theta}$0.73 $M_{\theta\phi}$2.24 $M_{\phi r}$0.54 NP1:ϕ_s349.20000°,δ72.44000° ,λ173.95000°. NP2:ϕ_s81.03000°,δ84.23000°,λ17.65000°. Principal axes: T 2.7225,Plg17.0000°,Azm306.0000°; N -0.4109,Plg71.0000°,Azm99.0000° ; P -2.3116,Plg8.0000°,Azm214.0000° M_o2.54000×10^{18}

(734) Laos

ISC	**XII**	**19 21 06 14.6–.36**	**19.54N–.02**	**101.31E–.03**	**9–1**	**5.3s,5.3b**	**1268**	**1-169**
IDC	XII	19 21 06 12.8–.31	19.52N	101.30E	0	5.2s,5.1L		**¶621633804**
BJI	XII	19 21 06 13.3	19.60N	101.40E	10	6.1s,5.9		
BKK	XII	19 21 06 13.7–.80	19N–3.0	101E–6.0	10	6.0L,6.0		
MOS	XII	19 21 06 14.7–.99	19.52N	101.33E	22	5.5b,5.2s		
PTWC	XII	19 21 06 14	19.60N	101.30E	10	5.7,5.2s		
GCMT	XII	19 21 06 15.6–.10	19.48N–.01	101.41E–.01	12	5.5W,5.2s		
DJA	XII	19 21 06 15.4–.20	20N–2.0	101E–2.0	10	6.4,6.4		
GFZ	XII	19 21 06 15.2–.08	20N–2.0	101E–2.0	10	6.2L,5.8b		
GFZ	XII	19 21 06 15.7	19.56N	101.32E	19	5.5W,5.8b		
NEIC	XII	19 21 06 15.0–1.3	19.56N–.04	101.31E–.04	10–1	5.4b,5.4		
NEIC	XII	19 21 06 15.1	19.56N	101.31E	10	5.4b,5.4		
NEIC	XII	19 21 06 15.1	19.56N	101.31E	10	5.4b,5.4		
NEIC	XII	19 21 06 21.6	19.56N	101.31E	12	5.5,5.4		

ISC Event type se.
IDC Error ellipse: s-maj=9.1km s-min=7.8km az=38.0.
MOS Error ellipse: s-maj=5.8km s-min=3.4km az=123.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112192106A. Moment Tensor Solution. s111,c176; s147,c307;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.20±.02 $M_{\theta\theta}$-1.42±.02; $M_{\phi\phi}$1.62±.02; $M_{r\theta}$0.13±.06; $M_{\theta\phi}$1.55±.02; $M_{\phi r}$0.87±.06; Best double couple: NP1:ϕ_s69.00000° ,δ73.00000°,λ8.00000°. NP2:ϕ_s337.00000°,δ83.00000°,λ162.00000°. Principal axes: T 2.5410,Plg17.0000°,Azm292.0000°; N -0.4410,Plg71.0000°,Azm135.0000° ; P -2.0980,Plg7.0000°,Azm24.0000° M_o2.31900×10^{17}
GFZ Error ellipse: s-maj=4.6km s-min=2.9km az=48.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.17 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$1.44 $M_{r\theta}$-0.38 $M_{\theta\phi}$1.33 $M_{\phi r}$0.14 NP1: ϕ_s156.00346°,δ83.05040°,λ-173.17351°. NP2:ϕ_s65.17361°,δ83.22390°,λ-6.99872°. Principal axes: T 1.9352,Plg0.1218°,Azm110.5988°; N 0.2337,Plg80.2702°,Azm201.3092° ; P -2.1689,Plg9.7290°,Azm20.5779° M_o2.06204×10^{17}
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.9km az=39.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$1.07 $M_{r\theta}$-0.12 $M_{\theta\phi}$0.82 $M_{\phi r}$0.02 NP1:ϕ_s64.17000°,δ86.46000°,λ-4.41000°. NP2:ϕ_s154.44000°,δ85.60000° ,λ-176.45000°. Principal axes: T 1.3562,Plg1.0000°,Azm109.0000°; N -0.0706,Plg84.0000° ,Azm205.0000°; P -1.2856,Plg6.0000°,Azm19.0000° M_o1.32000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$1.54 $M_{r\theta}$0.44 $M_{\theta\phi}$1.34 $M_{\phi r}$0.15 NP1:ϕ_s335.56000°,δ77.36000° ,λ-178.89000°. NP2:ϕ_s245.32000°,δ88.92000°,λ-12.64000°. Principal axes: T 2.0799,Plg8.0000°,Azm291.0000°; N 0.0263,Plg77.0000°,Azm61.0000° ; P -2.1062,Plg10.0000°,Azm200.0000° M_o2.09000×10^{17}

(153) South Sandwich Islands region

ISC	**XII**	**20 03 39 34.9–.53**	**56.78S–.03**	**24.01W–.03**	**14–3**	**6.0b,5.8s**	**1446**	**8-176**
BJI	XII	20 03 39 32.4	56.90S	24.10W	20	6.1b,6.0s		**¶621633822**
IDC	XII	20 03 39 32.6–.27	56.72S	24.11W	0	5.7b,5.7		
MOS	XII	20 03 39 33.5–.88	56.76S	24.15W	12	6.1b,5.5s		
NEIC	XII	20 03 39 34.3	56.80S	24.09W	10	6.1b,5.5s		
NEIC	XII	20 03 39 34.3	56.80S	24.09W	10	6.1b,5.5s		
NEIC	XII	20 03 39 34.3–1.5	56.84S–.09	24.0W–.10	10–1	6.1b,5.9		
IPGP	XII	20 03 39 34.0	56.85S	24.09W	9	5.9W,5.9		
GFZ	XII	20 03 39 35.6	56.85S	24.04W	18	6.1W,5.9		
GFZ	XII	20 03 39 35.6–.09	57S–2.0	24W–2.0	10	6.5,6.4b		
PTWC	XII	20 03 39 38	56.80S	24.10W		6.2,6.4b		
NEIC	XII	20 03 39 39.9	56.70S	24.09W	16	5.9,6.4b		
GCMT	XII	20 03 39 40.1–.10	56.87S	23.68W	12	6.0W,6.4b		

ISC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=8.3km az=49.0.
MOS Error ellipse: s-maj=15.4km s-min=9.1km az=98.5.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.6km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.04 $M_{\theta\theta}$-2.38 $M_{\phi\phi}$7.41 $M_{r\theta}$-0.06 $M_{\theta\phi}$-3.00 $M_{\phi r}$2.27 NP1:ϕ_s176.18000°,δ55.53000°,λ-73.83000°. NP2:ϕ_s329.06000° ,δ37.65000°,λ-112.07000°. Principal axes: T 8.6165,Plg9.0000°,Azm255.0000° ; N -3.0905,Plg13.0000°,Azm347.0000°; P -5.5260,Plg74.0000°,Azm131.0000° M_o7.56000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s329.00000°,δ34.00000°,λ-97.00000°. NP2:ϕ_s158.00000° ,δ57.00000°,λ-85.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.35 $M_{\theta\theta}$0.21 $M_{\phi\phi}$1.14 $M_{r\theta}$-0.88 $M_{\theta\phi}$-0.45 $M_{\phi r}$0.73 NP1: ϕ_s140.86935°,δ65.54483°,λ-103.86725°. NP2:ϕ_s351.67815°,δ27.90143°,λ-62.21045°. Principal axes: T 1.6783,Plg19.4011°,Azm241.2203°; N 0.1491,Plg12.6016°,Azm146.7047° ; P -1.8274,Plg66.5831°,Azm25.6276° M_o1.75759×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PTWC SOUTH SANDWICH ISLANDS REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 4ŝ7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.78 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$0.97 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.41 $M_{\phi r}$-0.17 NP1:ϕ_s180.69000°,δ41.05000° ,λ-62.31000°. NP2:ϕ_s325.86000°,δ54.44000°,λ-112.03000°. Principal axes: T 1.1294,Plg7.0000°,Azm71.0000°; N -0.2627,Plg18.0000°,Azm339.0000° ; P -0.8666,Plg71.0000°,Azm182.0000° M_o1.02000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112200339A. Moment Tensor Solution. s145,c305; s161,c605;Duration: 2ŝ3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.93±.01 $M_{\theta\theta}$-0.06±.01; $M_{\phi\phi}$0.98±.01; $M_{r\theta}$-0.00±.02; $M_{\theta\phi}$-0.43±.00; $M_{\phi r}$0.13±.01; Best double couple: NP1:ϕ_s337.00000°,δ42.00000°,λ-95.00000°. NP2:ϕ_s163.00000°,δ48.00000°,λ-86.00000°. Principal axes: T 1.1490,Plg3.0000°,Azm250.0000°; N -0.2060,Plg3.0000°,Azm341.0000° ; P -0.9420,Plg85.0000°,Azm113.0000° M_o1.04600×10^{18}

(224) Hokkaido region

ISC	**XII**	**20 16 05 25.6–.22**	**42.36N–.02**	**142.65E–.02**	**43–1**	**5.0b,3.9s**	**1038**	**0-155**
BJI	XII	20 16 05 22.2	42.20N	142.85E	45	5.2b,4.9b		**¶621634790**
BGR	XII	20 16 05 23.9–8.6	42.50N	142.50E	33	4.9b,4.1s		
SKHL	XII	20 16 05 24.8–.30	42.20N	142.60E	62–6	6.1b,4.1s		
NEIC	XII	20 16 05 25.7–.84	42.39N–.05	142.67E–.07	41–5	5.1b,4.1s		
IDC	XII	20 16 05 25.4–1.1	42.35N	142.66E	39–9	4.8,4.5b		
MOS	XII	20 16 05 25.0–.89	42.39N	142.63E	51	5.2b,4.5b		
NIED	XII	20 16 05 26.1	42.39N	142.66E	39	4.7W,4.5b		
GFZ	XII	20 16 05 26.5–.15	42N–2.0	143E–2.0	45–1	5.5b,5.0b		
JMA	XII	20 16 05 26.1–.18	42.4N–.60	142.7E–.70	39–1	4.8,4.8W		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.86 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-0.63 $M_{r\theta}$-0.39 $M_{\theta\phi}$0.63 $M_{\phi r}$-0.62 NP1:ϕ_s297.00000°,δ45.00000°,λ43.00000°. NP2:ϕ_s173.00000° ,δ61.00000°,λ126.00000°. M_o1.22000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type fe. HIDAKA REGION .

(640) Greenland Sea

ISC	**XII**	**20 17 22 52.5–.53**	**79.50N–.04**	**3.70E–.03**	**12–3**	**4.6b,3.8s**	**481**	**2-151**
BJI	XII	20 17 22 49.4	79.60N	3.80E	5	5.5b,4.6s		**¶621685626**
MOS	XII	20 17 22 50.8–.99	79.47N	3.57E	10	4.8b,4.6s		
IDC	XII	20 17 22 51.2–.42	79.53N	4.14E	0	4.2b,4.2		
BER	XII	20 17 22 51.4–1.6	79.58N	4.45E	10	4.7W,4.1L		
NAO	XII	20 17 22 51.4–1.3	79.79N	5.64E	10	4.1L,4.1L		
NEIC	XII	20 17 22 52.4–2.1	79.57N–.06	4.2E–.40	10–1	4.9b,4.1L		
GCMT	XII	20 17 22 52.4–.30	79.41N–.04	3.7E–.10	16–1	4.7W,4.1L		
GFZ	XII	20 17 22 53.3–.14	80N–2.0	4E–3.0	10	6.2b,5.9		
FCIAR	XII	20 17 22 55.0	79.66N	5.36E	10	6.2b,5.9		
KOGSR	XII	20 17 23 02.9	79.64N	10.58E	0	,5.9		
DNK	XII	20 17 23 09.7–3.0	79.69N	6.02W	15	3.0L,5.9		

ISC Event type ke.
MOS Error ellipse: s-maj=30.0km s-min=4.8km az=93.2.
IDC Error ellipse: s-maj=12.0km s-min=8.5km az=37.0.
BER Event type ke. Error ellipse: s-maj=7.9km s-min=36.9km az=-1.0. Confirmed Earthquake.
NAO Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.4km az=249.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112201722A. Moment Tensor Solution. s19,c20; s81,c113; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.45±.12 $M_{\theta\theta}$-0.06±.07; $M_{\phi\phi}$1.52±.08; $M_{r\theta}$-0.57±.28; $M_{\theta\phi}$0.35±.05; $M_{\phi r}$0.10±.20; Best double couple: NP1:ϕ_s173.00000°,δ48.00000° ,λ-118.00000°. NP2:ϕ_s31.00000°,δ49.00000°,λ-62.00000°. Principal axes: T 1.5950,Plg0.0000°,Azm102.0000°; N 0.0770,Plg21.0000°,Azm192.0000° ; P -1.6660,Plg69.0000°,Azm11.0000° M_o1.63000×10^{16}
GFZ Error ellipse: s-maj=6.1km s-min=4.5km az=57.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
FCIAR station OMEGA has station magnitude of 3.9. station ZFI2 has station magnitude of 3.9. station LSH has station magnitude of 3.5.
KOGSR Spitsbergen,Greenland sea.
DNK Event type se. Error ellipse: s-maj=14.3km s-min=232.7km az=-1.0. Presumed earthquake.

(35) Near coast of northern California

ISC	**XII**	**20 20 10 21.7–.39**	**40.36N–.03**	**124.51W–.03**	**20–1**	**5.7s,5.4b**	**1626**	**0-153**
BJI	XII	20 20 10 18.8	40.35N	124.65W	10	5.9s,5.8b		**¶621634987**
IDC	XII	20 20 10 18.5–.41	40.45N	124.57W	0	5.6s,4.8b		
IPGP	XII	20 20 10 18.0	40.32N	124.74W	27	6.1W,4.8b		
MOS	XII	20 20 10 19.3–1.1	40.36N	124.48W	18	5.7s,5.7b		
BGR	XII	20 20 10 19.9	41.38N	129.09W	36–12	5.9s,5.4b		
NEIC	XII	20 20 10 20.1–2.1	40.30N–.04	124.59W–.05	20–1	5.7L,5.3b		
NCEDC	XII	20 20 10 20.3–2.2	40.30N–.05	124.63W–.05	17–4	5.7L,5.3b		
PTWC	XII	20 20 10 20	40.30N	124.60W		6.4,5.3b		
GFZ	XII	20 20 10 23.7–.30	41N–3.0	124W–3.0	23–1	6.0L,6.0b		
GFZ	XII	20 20 10 23.6	40.56N	124.34W	28	6.2W,6.0b		
GCMT	XII	20 20 10 30.9–.10	40.36N	124.41W	29–0	6.2W,6.0b		

ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=7.4km az=32.0.
IPGP Moment Tensor Solution. NP1:ϕ_s207.00000°,δ81.00000°,λ15.00000°. NP2:ϕ_s115.00000° ,δ75.00000°,λ171.00000°.
MOS Error ellipse: s-maj=4.9km s-min=3.7km az=98.8.
BGR Event type ke.

NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=201.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.3km s-min=4.4km az=44.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.36 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$1.91 $M_{r\theta}$0.35 $M_{\theta\phi}$-1.35 $M_{\phi r}$-0.22 NP1: ϕ_s296.27272°,δ88.53159°,λ-169.02083°. NP2:ϕ_s205.98788°,δ79.02448°,λ-1.49577°. Principal axes: T 2.4190,Plg6.6905°,Azm70.6135°; N -0.3595,Plg78.9243°,Azm303.7973° ; P -2.0595,Plg8.7861°,Azm161.6523° $M_0$2.26082×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112202010A. Moment Tensor Solution. s151,c318; s164,c605;Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.18±.01 $M_{\theta\theta}$-2.07±.01; $M_{\phi\phi}$1.89±.01; $M_{r\theta}$0.03±.03; $M_{\theta\phi}$-1.51±.01; $M_{\phi r}$-0.75±.03; Best double couple: NP1:ϕ_s115.00000°,δ75.00000°,λ171.00000°. NP2:ϕ_s207.00000°,δ82.00000°,λ15.00000°. Principal axes: T 2.6130,Plg17.0000°,Azm72.0000°; N -0.0130,Plg73.0000°,Azm236.0000° ; P -2.5970,Plg5.0000°,Azm341.0000° $M_0$2.60500×10^{18}

(35) Near coast of northern California

ISC	**XII**	**20 20 10 29.4–.84**	**40.36N–.03**	**124.32W–.04**	**17–4**	**5.7s,5.7b**	**291**	**0-158**
NEIC	XII	20 20 10 17.8	40.26N	124.74W	20	5.7s,5.7b		¶635884077
NEIC	XII	20 20 10 17.4	40.28N	124.80W	10	5.7s,5.7b		
NEIC	XII	20 20 10 18	40.31N	124.75W	37	5.7s,5.7b		
NEIC	XII	20 20 10 30.4–1.3	40.37N–.04	124.32W–.06	17–3	6.1,6.1		
NEIC	XII	20 20 10 31.6	40.21N	124.75W	26	6.2,6.1		
NCEDC	XII	20 20 10 31.3–1.6	40.39N–.04	124.30W–.08	27–4	6.2,6.1		
NEIC	XII	20 20 10 41.4	40.27N	124.52W	40	6.2,6.1		

ISC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$1.05 $M_{r\theta}$0.11 $M_{\theta\phi}$-1.03 $M_{\phi r}$-0.34 NP1:ϕ_s204.17000°,δ80.89000°,λ10.36000°. NP2:ϕ_s112.51000°,δ79.77000° ,λ170.74000°. Principal axes: T 1.5467,Plg14.0000°,Azm68.0000°; N -0.0058,Plg76.0000° ,Azm245.0000°; P -1.5410,Plg1.0000°,Azm338.0000° $M_0$1.54000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.31 $M_{\theta\theta}$-1.79 $M_{\phi\phi}$2.10 $M_{r\theta}$-0.50 $M_{\theta\phi}$-1.77 $M_{\phi r}$0.28 NP1:ϕ_s23.86000°,δ77.55000° ,λ-0.99000°. NP2:ϕ_s114.07000°,δ89.03000°,λ-167.55000°. Principal axes: T 2.8537,Plg8.0000°,Azm248.0000°; N -0.3163,Plg78.0000°,Azm118.0000° ; P -2.5375,Plg9.0000°,Azm340.0000° $M_0$2.71000×10^{18}
NCEDC Event type se. Error ellipse: s-maj=9.0km s-min=5.9km az=85.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 7s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.20 $M_{\theta\theta}$-1.86 $M_{\phi\phi}$2.06 $M_{r\theta}$-0.19 $M_{\theta\phi}$-1.61 $M_{\phi r}$-0.03 NP1:ϕ_s25.22000°,δ86.16000° ,λ-2.82000°. NP2:ϕ_s115.41000°,δ87.19000°,λ-176.15000°. Principal axes: T 2.6355,Plg1.0000°,Azm250.0000°; N -0.1839,Plg85.0000°,Azm151.0000° ; P -2.4516,Plg5.0000°,Azm340.0000° $M_0$2.54000×10^{18}

(211) Southeast of Honshu

ISC	**XII**	**21 02 30 22.3–.75**	**31.45N–.04**	**142.40E–.05**	**14–4**	**5.0b,3.7s**	**554**	**2-152**
BJI	XII	21 02 30 18.0	31.45N	142.75E	13	5.1b,4.7b		¶621635025
IDC	XII	21 02 30 19.8–.47	31.31N	142.49E	0	4.7b,4.6		
NIED	XII	21 02 30 22.1	31.36N	142.45E	70	4.6W,4.6		
GFZ	XII	21 02 30 22.2–.25	31N–3.0	143E–4.0	10	7.4,7.3		
JMA	XII	21 02 30 22.1–.23	31.4N–.80	142E–1.0	70	4.3,7.3		
MOS	XII	21 02 30 22.5–.82	31.65N	142.39E	17	5.2b,7.3		
NEIC	XII	21 02 30 22.6–1.0	31.54N–.07	142.40E–.07	10–1	5.0b,4.7		
GCMT	XII	21 02 30 24.9–.40	31.25N–.04	142.46E–.05	14–1	4.7W,4.7		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-5.15 $M_{\theta\theta}$2.74 $M_{\phi\phi}$2.41 $M_{r\theta}$-1.87 $M_{\theta\phi}$-1.70 $M_{\phi r}$6.15 NP1:ϕ_s304.00000°,δ20.00000°,λ-120.00000°. NP2:ϕ_s156.00000° ,δ72.00000°,λ-80.00000°. $M_0$7.90000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112210230A. Moment Tensor Solution. s3,c3; s80,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.44±.17 $M_{\theta\theta}$0.59±.09; $M_{\phi\phi}$0.85±.10; $M_{r\theta}$-0.41±.22; $M_{\theta\phi}$-0.52±.05; $M_{\phi r}$0.27±.27; Best double couple: NP1:ϕ_s327.00000°,δ36.00000° ,λ-82.00000°. NP2:ϕ_s136.00000°,δ55.00000°,λ-96.00000°. Principal axes: T 1.3380,Plg9.0000°,Azm231.0000°; N 0.1970,Plg5.0000°,Azm140.0000° ; P -1.5310,Plg79.0000°,Azm23.0000° $M_0$1.43400×10^{16}

(250) Mindoro

ISC	**XII**	**21 04 08 13.9–.34**	**12.77N–.04**	**121.02E–.06**	**25**	**4.8b,4.1s**	**262**	**1-150**
BJI	XII	21 04 08 08.5	12.25N	121.00E	29	5.1b,4.6b		¶621635034
IDC	XII	21 04 08 09.0–.56	12.78N	120.80E	0	4.3b,4.3		
NEIC	XII	21 04 08 12.2–1.6	12.75N–.08	120.97E–.09	10–1	4.9b,4.3		
GFZ	XII	21 04 08 13.0–.19	13N–2.0	121E–5.0	10	5.5b,5.0		
GCMT	XII	21 04 08 14.1–.30	12.96N–.02	121.08E–.02	26–1	4.9W,5.0		
DJA	XII	21 04 08 16.6–.40	13N–3.0	121E–3.0	41–5	5.5b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112210408A. Moment Tensor Solution. s24,c28; s101,c150; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.54±.13 $M_{\theta\theta}$2.59±.10; $M_{\phi\phi}$-2.05±.10; $M_{r\theta}$-2.31±.24; $M_{\theta\phi}$0.83±.07; $M_{\phi r}$-0.33±.20; Best double couple: NP1:ϕ_s210.00000°,δ66.00000° ,λ165.00000°. NP2:ϕ_s307.00000°,δ76.00000°,λ25.00000°. Principal axes: T 3.9480,Plg27.0000°,Azm170.0000°; N -1.7450,Plg61.0000°,Azm333.0000° ; P -2.2050,Plg7.0000°,Azm77.0000° $M_0$3.07600×10^{16}

(279) Flores Sea

ISC	**XII**	**21 11 14 55.0–1.6**	**7.35S–.03**	**121.32E–.04**	**12–11**	**4.0b,3.5s**	**93**	**1-90**
IDC	XII	21 11 14 52.8–1.2	7.77S	120.36E	0	3.9L,3.8		¶621685681
DJA	XII	21 11 14 57.7–.50	7S–1.0	121E–1.0	31–8	6.1b,5.7		

ISC Event type se.

(211) Southeast of Honshu

ISC	**XII**	**21 16 42 41.3–.42**	**31.18N–.03**	**142.30E–.04**	**16–2**	**5.2b,4.6s**	**956**	**3-167**
BJI	XII	21 16 42 37.6	31.16N	142.45E	15	5.1b,4.9s		¶621636619
IDC	XII	21 16 42 38.5–.44	31.08N	142.37E	0	4.8b,4.8		
NEIC	XII	21 16 42 40.8–.90	31.22N–.08	142.3E–.10	10–1	5.3b,5.1		
MOS	XII	21 16 42 41.1–1.0	31.13N	142.29E	24	5.5b,4.6s		
NIED	XII	21 16 42 41.5	31.23N	142.38E	76	4.8W,4.6s		
JMA	XII	21 16 42 41.5–.30	31N–1.0	142E–1.0	76	5.0W,4.9		
GCMT	XII	21 16 42 43.9–.10	31.15N–.01	142.30E–.01	12	5.1W,4.9		
GFZ	XII	21 16 42 44.9	31.14N	142.23E	30	5.2W,4.9		
GFZ	XII	21 16 42 44.9–.26	31N–2.0	142E–2.0	36–1	5.7b,5.4		
BGR	XII	21 16 42 49.4	31.75N	141.63E	42–0	5.3b,4.6s		

ISC Event type ke.
IDC Error ellipse: s-maj=13.6km s-min=9.7km az=50.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.5km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.7km s-min=4.0km az=118.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.92 $M_{\theta\theta}$0.33 $M_{\phi\phi}$0.58 $M_{r\theta}$0.11 $M_{\theta\phi}$-1.11 $M_{\phi r}$1.39 NP1:ϕ_s285.00000°,δ37.00000°,λ-151.00000°. NP2:ϕ_s171.00000° ,δ73.00000°,λ-57.00000°. $M_0$1.96000×10^{16}
JMA Event type ke. NEAR TORISHIMA IS .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112211642A. Moment Tensor Solution. s46,c70; s137,c226; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.88±.06 $M_{\theta\theta}$1.42±.07; $M_{\phi\phi}$3.46±.06; $M_{r\theta}$-0.24±.23; $M_{\theta\phi}$-1.65±.05; $M_{\phi r}$1.61±.20; Best double couple: NP1:ϕ_s326.00000°,δ36.00000° ,λ-99.00000°. NP2:ϕ_s157.00000°,δ54.00000°,λ-83.00000°. Principal axes: T 4.6250,Plg9.0000°,Azm242.0000°; N 0.5550,Plg5.0000°,Azm333.0000° ; P -5.1810,Plg79.0000°,Azm93.0000° $M_0$4.90300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.55 $M_{\theta\theta}$1.78 $M_{\phi\phi}$3.77 $M_{r\theta}$-1.09 $M_{\theta\phi}$-1.79 $M_{\phi r}$4.18 NP1: ϕ_s159.00008°,δ64.91313°,λ-83.13813°. NP2:ϕ_s323.15497°,δ25.94967°,λ-104.31667°. Principal axes: T 6.3080,Plg19.6338°,Azm243.8539°; N 0.8613,Plg6.2119°,Azm336.0792° ; P -7.1693,Plg69.3290°,Azm82.8469° $M_0$6.77982×10^{16}
GFZ Error ellipse: s-maj=5.0km s-min=4.9km az=105.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.

(192) New Britain region

ISC	**XII**	**22 02 20 39.3–.43**	**5.63S–.06**	**153.86E–.07**	**35**	**4.7b,3.5s**	**100**	**2-120**
IDC	XII	22 02 20 34.3–.69	5.48S	153.88E	0	4.4b,4.4		¶621637447
BJI	XII	22 02 20 38.8	5.32S	154.02E	37	5.1b,4.8b		
NEIC	XII	22 02 20 40.4–1.3	5.60S–.08	153.94E–.07	41–7	4.7b,4.8b		
DJA	XII	22 02 20 46.4–1.4	6S–4.0	152E–10	33–12	7.3,7.3b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**XII**	**22 05 51 51.9–.27**	**57.82S–.04**	**25.47W–.04**	**36–1**	**5.7b,5.6s**	**944**	**7-175**
GFZ	XII	22 05 51 48.8	57.77S	25.48W	34	5.8W,5.6s		¶621883738
NEIC	XII	22 05 51 51.6–1.7	57.78S–.08	25.3W–.10	35–1	5.9b,5.6		
ISC-P	XII	22 05 51 51	57.78S	25.34W	14–0	6.1,5.6		
NEIC	XII	22 05 51 51.5	57.81S	25.29W	35	6.1,5.6		
IPGP	XII	22 05 51 51.0	57.78S	25.26W	38	5.9W,5.6		
GFZ	XII	22 05 51 52.0–1.1	58S–3.0	26W–2.0	34–8	6.1b,5.8		
NEIC	XII	22 05 51 52.8	57.61S	24.92W	40	5.9,5.8		
MOS	XII	22 05 51 52.1–.96	57.86S	25.60W	48	6.1b,5.5s		
IDC	XII	22 05 51 52.2–1.3	57.74S	25.33W	40–10	5.6L,5.6		
GCMT	XII	22 05 51 55.4–.10	57.84S–.01	24.91W–.01	39–0	5.9W,5.6		
PTWC	XII	22 05 51 56	57.70S	25.20W	84	5.9,5.6		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.61 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-5.38 $M_{r\theta}$0.05 $M_{\theta\phi}$1.63 $M_{\phi r}$1.94 NP1: ϕ_s157.83738°,δ36.34655°,λ80.45308°. NP2:ϕ_s349.63179°,δ54.23520°,λ96.95799°. Principal axes: T 5.9613,Plg79.3617°,Azm287.2780°; N 0.1892,Plg5.6411°,Azm165.5519° ; P -6.1505,Plg8.9900°,Azm74.6565° $M_0$6.05811×10^{17}
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=12.4km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC-P Moment Tensor Solution. s29 Moment tensor: Scale 10^{18}Nm; M_{rr}0.77±.12 $M_{\theta\theta}$-0.27±.17; $M_{\phi\phi}$-0.47±.17; $M_{r\theta}$0.10±.10; $M_{\theta\phi}$0.08±.26; $M_{\phi r}$0.20±.13; NP1:ϕ_s140.40000°,δ45.00000° ,λ78.60000°. NP2:ϕ_s336.40000°,δ46.20000°,λ101.20000°. $M_0$1.82000×10^{18}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s164.00000°,δ38.00000°,λ89.00000°. NP2:ϕ_s346.00000° ,δ52.00000°,λ91.00000°.
GFZ Error ellipse: s-maj=6.2km s-min=4.3km az=36.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}6.87 $M_{\theta\theta}$0.66 $M_{\phi\phi}$-7.53 $M_{r\theta}$0.08 $M_{\theta\phi}$1.65 $M_{\phi r}$1.63 NP1:ϕ_s165.26000°,δ39.04000° ,λ84.34000°. NP2:ϕ_s352.54000°,δ51.18000°,λ94.57000°. Principal axes: T 7.0596,Plg83.0000°,Azm290.0000°; N 0.9559,Plg4.0000°,Azm170.0000° ; P -8.0155,Plg6.0000°,Azm79.0000° $M_0$7.58000×10^{17}
MOS Error ellipse: s-maj=21.0km s-min=11.2km az=109.5.
IDC Error ellipse: s-maj=14.5km s-min=12.4km az=67.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112220551A. Moment Tensor Solution. s153,c320; s154,c483;Duration: 2s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.72±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.75±.00; $M_{r\theta}$-0.02±.01; $M_{\theta\phi}$0.16±.00; $M_{\phi r}$0.24±.01; Best double couple: NP1:ϕ_s167.00000°,δ36.00000°,λ86.00000°. NP2:ϕ_s351.00000°,δ54.00000°,λ93.00000°. Principal axes: T 0.7600,Plg81.0000°,Azm274.0000°; N 0.0640,Plg2.0000°,Azm170.0000° ; P -0.8230,Plg9.0000°,Azm79.0000° $M_0$0.79200×10^{18}
PTWC SOUTH SANDWICH ISLANDS REGION.

(190) New Ireland region

ISC	**XII**	**22 09 19 54.8–.25**	**4.63S–.03**	**152.71E–.04**	**59–1**	**5.2b,4.5s**	**811**	**1-158**
DJA	XII	22 09 19 48.2–.40	5S–5.0	153E–4.0	10	5.9,5.8b		¶621640256
GFZ	XII	22 09 19 49.8	4.65S	152.75E	54	5.3W,5.8b		
MOS	XII	22 09 19 52.6–.90	4.61S	152.72E	49	5.3b,5.8b		
GFZ	XII	22 09 19 53.8–.39	5S–2.0	153E–3.0	47–3	5.8b,5.5		
IDC	XII	22 09 19 53.7–1.0	4.64S	152.66E	47–8	5.1,4.9b		
BJI	XII	22 09 19 54.0	4.41S	153.08E	67	5.2b,4.9s		
NEIC	XII	22 09 19 54.9	4.62S	152.71E	52	5.2b,4.9s		
NEIC	XII	22 09 19 55.4	4.52S	152.81E	60	5.2,4.9s		
NEIC	XII	22 09 19 55.5–1.4	4.62S–.07	152.72E–.07	58–0	5.3b,4.9s		
GCMT	XII	22 09 19 56.2–.10	4.70S–.01	152.65E–.01	57–1	5.3W,4.9s		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87 $M_{\theta\theta}$1.62 $M_{\phi\phi}$-0.75 $M_{r\theta}$8.42 $M_{\theta\phi}$4.53 $M_{\phi r}$0.91 NP1: ϕ_s5.61648°,δ27.42497°,λ-171.54900°. NP2:ϕ_s268.10372°,δ86.11871°,λ-62.82995°. Principal axes: T 10.3863,Plg35.4347°,Azm334.7572°; N -1.5304,Plg27.1026°,Azm86.1139° ; P -8.8559,Plg42.4932°,Azm204.0736° $M_0$9.71198×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.53 $M_{\theta\theta}$1.82 $M_{\phi\phi}$1.72 $M_{r\theta}$8.25 $M_{\theta\phi}$0.79 $M_{\phi r}$0.59 NP1:ϕ_s53.62000°,δ10.67000° ,λ-119.49000°. NP2:ϕ_s263.53000°,δ80.72000°,λ-84.70000°. Principal axes: T 7.9698,Plg36.0000°,Azm349.0000°; N 1.5611,Plg5.0000°,Azm83.0000° ; P -9.5308,Plg54.0000°,Azm180.0000° $M_0$8.85000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112220919A. Moment Tensor Solution. s96,c170; s125,c235;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29±.02 $M_{\theta\theta}$0.35±.02; $M_{\phi\phi}$-0.06±.02; $M_{r\theta}$1.03±.02; $M_{\theta\phi}$0.25±.02; $M_{\phi r}$0.14±.01; Best double couple: NP1:ϕ_s35.00000° ,δ13.00000°,λ-137.00000°. NP2:ϕ_s263.00000°,δ81.00000°,λ-80.00000°. Principal axes: T 1.1750,Plg35.0000°,Azm344.0000°; N -0.1270,Plg10.0000°,Azm81.0000° ; P -1.0480,Plg53.0000°,Azm184.0000° $M_0$1.11200×10^{17}

(266) Northern Molucca Sea

ISC	**XII**	**22 12 27 39.8–.52**	**2.41N–.02**	**126.91E–.03**	**28–3**	**5.1b,3.9s**	**818**	**1-160**
MOS	XII	22 12 27 35.0–.84	2.41N	126.80E	8	5.3b,3.9s		¶621644237
IDC	XII	22 12 27 35.3–.38	2.36N	126.77E	0	5.0L,4.9b		
BJI	XII	22 12 27 35.0	2.40N	126.90E	10	5.2b,4.9b		
GFZ	XII	22 12 27 37.7–.12	2N–2.0	127E–3.0	10	5.5b,5.2b		
NEIC	XII	22 12 27 37.5–1.2	2.38N–.06	126.91E–.07	10–1	5.2b,4.9		
DJA	XII	22 12 27 42.5–.10	2N–1.0	127E–1.0	54–2	5.5b,5.2		
GCMT	XII	22 12 27 45.9–.20	2.53N–.02	126.80E–.02	31–0	5.1W,5.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112221227A. Moment Tensor Solution. s57,c68; s88,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.18±.22 $M_{\theta\theta}$0.58±.13; $M_{\phi\phi}$-4.76±.15; $M_{r\theta}$-0.04±.18; $M_{\theta\phi}$-1.73±.10; $M_{\phi r}$-1.08±.19; Best double couple: NP1:ϕ_s22.00000°,δ39.00000° ,λ97.00000°. NP2:ϕ_s192.00000°,δ51.00000°,λ84.00000°. Principal axes: T 4.3170,Plg82.0000°,Azm69.0000°; N 1.0690,Plg5.0000°,Azm196.0000° ; P -5.3860,Plg6.0000°,Azm286.0000° $M_0$4.85100×10^{16}

(153) South Sandwich Islands region

ISC	**XII**	**22 13 49 51.9–.37**	**57.79S–.05**	**25.43W–.05**	**33–1**	**5.3b,4.3s**	**435**	**7-164**
GFZ	XII	22 13 49 50.5–.37	58S–4.0	26W–3.0	15–2	5.9b,5.5		¶621644243
MOS	XII	22 13 49 51.2–1.2	57.77S	25.57W	33	5.1b,5.5		
NEIC	XII	22 13 49 52.4–1.1	57.76S–.02	25.5W–.20	35–1	5.3b,5.5		
IDC	XII	22 13 49 53.5–1.5	57.68S	25.25W	41–11	5.1L,5.1		
GCMT	XII	22 13 49 55.0–.20	57.85S–.02	24.77W–.02	38–0	5.1W,5.1		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112221349A. Moment Tensor Solution. s96,c141; s107,c163;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.10±.15 $M_{\theta\theta}$0.68±.12; $M_{\phi\phi}$-5.78±.10; $M_{r\theta}$0.83±.13; $M_{\theta\phi}$0.53±.07; $M_{\phi r}$2.41±.10; Best double couple: NP1: ϕ_s163.00000°,δ35.00000°,λ71.00000°. NP2:ϕ_s6.00000°,δ58.00000°,λ103.00000°. Principal axes: T 5.7770,Plg74.0000°,Azm310.0000°; N 0.5310,Plg11.0000°,Azm179.0000° ; P -6.3070,Plg12.0000°,Azm87.0000° $M_0$6.04200×10^{16}

(54) Off coast of Jalisco

ISC	**XII**	**22 23 22 58.0–.53**	**18.81N–.04**	**107.19W–.04**	**10–2**	**5.4s,5.3b**	**952**	**2-158**
CATAC	XII	22 23 22 53.6–1.1	18N–6.0	108W–6.0	14–11	6.1,5.9b		**¶621648309**
MOS	XII	22 23 22 54.8–1.2	18.84N	107.15W	5	5.5s,5.5b		
BJI	XII	22 23 22 55.4	18.82N	107.26W	12	5.9b,5.8s		
IDC	XII	22 23 22 56.8–.69	18.80N	107.27W	0	5.3s,4.6b		
MEX	XII	22 23 22 57.0–.68	18.72N	107.16W	10	6.0,4.6b		
NEIC	XII	22 23 22 58	18.83N	107.21W	10	6.0,4.6b		
IPGP	XII	22 23 22 58.0	18.90N	107.17W	13	6.1W,4.6b		
NEIC	XII	22 23 22 58.0–1.8	18.84N–.06	107.07W–.07	10–1	6.0,6.0		
GFZ	XII	22 23 22 59.8	18.76N	107.12W	20	6.1W,6.0		
GFZ	XII	22 23 22 59.5–.17	19N–2.0	107W–3.0	10	6.1L,5.9b		
PTWC	XII	22 23 23 00	18.70N	107.20W		6.1,5.9b		
NEIC	XII	22 23 23 01.1	18.95N	107.12W	18	6.1,5.9b		
GCMT	XII	22 23 23 04.1–.10	18.81N	107.08W	25–0	6.1W,5.9b		
NEIC	XII	22 23 23 06.6	18.25N	107.12W	14	6.0,5.9b		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=17.6km s-min=5.1km az=45.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$0.83 $M_{r\theta}$-0.68 $M_{\theta\phi}$-0.91 $M_{\phi r}$-0.14 NP1:ϕ_s112.91610° ,δ78.37403°,λ-156.30768°. NP2:ϕ_s17.86260°,δ66.82248°,λ-12.66292°. Principal axes: T 1.2628,Plg7.8053°,Azm243.7270°; N 0.2496,Plg63.7574°,Azm137.5829° ; P -1.5124,Plg24.8852°,Azm337.3726° $M_0$1.40436×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.06 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.59 $M_{\theta\phi}$-0.86 $M_{\phi r}$-0.21 NP1: ϕ_s112.86026°,δ74.66634°,λ-159.28807°. NP2:ϕ_s17.15044°,δ70.05733°,λ-16.33831°. Principal axes: T 1.1626,Plg3.1065°,Azm244.3419°; N 0.2302,Plg64.4319°,Azm147.8284° ; P -1.3928,Plg25.3513°,Azm335.8154° $M_0$1.29315×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$0.97 $M_{r\theta}$-0.66 $M_{\theta\phi}$-1.03 $M_{\phi r}$0.07 NP1: ϕ_s112.17009°,δ83.59111°,λ-154.84389°. NP2:ϕ_s19.16930°,δ65.01193°,λ-7.07397°. Principal axes: T 1.5021,Plg12.6957°,Azm243.1717°; N 0.0554,Plg64.0919°,Azm125.5403° ; P -1.5575,Plg22.1871°,Azm338.4433° $M_0$1.53059×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.70 $M_{r\theta}$-0.41 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.03 NP1: ϕ_s110.09432°,δ83.83897°,λ-159.54991°. NP2:ϕ_s17.80257°,δ69.67327°,λ-6.57192°. Principal axes: T 1.1424,Plg9.7728°,Azm242.3390°; N 0.0009,Plg68.6801°,Azm126.1508° ; P -1.1433,Plg18.7548°,Azm335.6918° $M_0$1.14287×10^{18}
MOS Error ellipse: s-maj=8.5km s-min=5.3km az=89.8.
IDC Error ellipse: s-maj=22.3km s-min=12.1km az=59.0.
MEX Event type se. Error ellipse: s-maj=25.4km s-min=17.1km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s257.19000°,δ54.07000°,λ37.45000°.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s285.00000°,δ84.00000°,λ177.00000°. NP2:ϕ_s15.00000° ,δ87.00000°,λ6.00000°.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.6km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.02 $M_{\theta\theta}$0.72 $M_{\phi\phi}$0.74 $M_{r\theta}$0.10 $M_{\theta\phi}$-1.06 $M_{\phi r}$-0.20 NP1:ϕ_s197.72000°,δ83.46000°,λ6.58000°. NP2:ϕ_s106.97000°,δ83.47000° ,λ173.42000°. Principal axes: T 1.3363,Plg9.0000°,Azm62.0000°; N -0.0598,Plg81.0000° ,Azm242.0000°; P -1.2765,Plg0.0000°,Azm152.0000° $M_0$1.31000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$0.87 $M_{r\theta}$-0.27 $M_{\theta\phi}$-1.17 $M_{\phi r}$-0.53 NP1: ϕ_s108.63376°,δ67.70018°,λ-175.63375°. NP2:ϕ_s16.97422°,δ85.96086°,λ-22.35835°. Principal axes: T 1.5520,Plg12.6214°,Azm64.8962°; N 0.0096,Plg67.2982°,Azm187.2567° ; P -1.5616,Plg18.5493°,Azm330.5871° $M_0$1.55680×10^{18}
GFZ Error ellipse: s-maj=7.5km s-min=3.6km az=74.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112222322A. Moment Tensor Solution. s156,c329; s163,c593;Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.10±.01 $M_{\theta\theta}$-0.91±.01; $M_{\phi\phi}$1.02±.01; $M_{r\theta}$-0.17±.01; $M_{\theta\phi}$-1.34±.01; $M_{\phi r}$-0.07±.01; Best double couple: NP1:ϕ_s18.00000°,δ85.00000°,λ-5.00000°. NP2:ϕ_s108.00000°,δ85.00000°,λ-175.00000°. Principal axes: T 1.7060,Plg1.0000°,Azm243.0000°; N -0.0790,Plg83.0000°,Azm148.0000° ; P -1.6220,Plg7.0000°,Azm333.0000° $M_0$1.66400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.23 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$0.47 $M_{r\theta}$-0.26 $M_{\theta\phi}$-0.85 $M_{\phi r}$0.10 NP1:ϕ_s17.81000°,δ73.37000°,λ6.04000°. NP2:ϕ_s286.08000°,δ84.21000°,λ163.28000°. Principal axes: T 0.9770,Plg16.0000° ,Azm241.0000°; N 0.2003,Plg72.0000°,Azm88.0000°; P -1.1773,Plg8.0000°,Azm333.0000° $M_0$1.09000×10^{18}

(108) Off coast of northern Peru

ISC	**XII**	**23 23 02 30.0–.36**	**6.46S–.04**	**82.15W–.06**	**10**	**4.7b,3.6s**	**199**	**3-168**
IDC	XII	23 23 02 28.4–.52	6.38S	82.37W	0	4.5,4.4b		**¶621650676**
VAO	XII	23 23 02 29.9–.98	6.47S	82.14W	10	4.8b,4.4b		
NEIC	XII	23 23 02 30.2–1.1	6.46S–.07	82.12W–.08	10–1	4.7b,4.4b		
GFZ	XII	23 23 02 31.8–.22	6S–4.0	82W–6.0	10	5.7b,5.3L		
RSNC	XII	23 23 02 31.7–.70	6S–4.0	82W–7.0	0	5.6b,5.1		

ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(683) Southeastcentral Pacific Ocean

ISC	**XII**	**24 00 43 33.8–1.8**	**26.0S–.10**	**83.2W–.20**	**10**	**3.8b**	**38**	**9-152**
GFZ	XII	24 00 43 34.3–.49	26S–3.0	83W–5.0	10	6.0b,5.6		**¶621652229**

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(613) Hawaiian Islands

ISC	**XII**	**24 11 31 36.5–.70**	**19.00N–.04**	**155.29W–.03**	**18–2**	**5.1b,4.2s**	**393**	**0-115**
IDC	XII	24 11 31 33.4–.63	18.87N	155.33W	0	4.5b,4.4		**¶621652381**
MOS	XII	24 11 31 34.1–1.5	19.08N	155.32W	16	5.3b,4.4		
NEIC	XII	24 11 31 34.4–1.2	18.91N–.03	155.20W–.03	10–4	5.3b,5.1L		
HVO	XII	24 11 31 34.4–1.5	18.87N–.03	155.23W–.03	12–4	5.3b,5.1L		
BJI	XII	24 11 31 35.8	19.20N	155.40W	10	5.5b,5.0s		
GFZ	XII	24 11 31 37.7–1.0	19N–8.0	155W–4.0	18–5	6.0b,5.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(297) Myanmar-China border region

ISC	**XII**	**24 13 43 23.1–.34**	**22.35N–.02**	**101.70E–.02**	**7–1**	**5.8s,5.5b**	**1466**	**2-169**
BJI	XII	24 13 43 20.6	22.34N	101.68E	10	6.4s,6.2		**¶621652978**
MOS	XII	24 13 43 21.3–.99	22.27N	101.75E	10	5.7b,5.6s		
IDC	XII	24 13 43 21.6–.35	22.34N	101.68E	0	5.5s,5.2		
IPGP	XII	24 13 43 22.0	22.36N	101.69E	12	5.6W,5.2		
BKK	XII	24 13 43 22.1–1.1	22N–10	102E–4.0	10	6.5L,6.5		
NEIC	XII	24 13 43 22.9–1.2	22.37N–.07	101.67E–.05	9–3	5.9,5.6b		
GCMT	XII	24 13 43 23.2–.10	22.29N–.01	101.74E–.01	12	5.7W,5.6b		
NEIC	XII	24 13 43 23	22.38N	101.69E	10	5.7W,5.6b		
NEIC	XII	24 13 43 23	22.36N	101.69E	10	5.7W,5.6b		
PLV	XII	24 13 43 23.5–1.1	22.43N	101.76E	16–53	5.9L,5.6b		
GFZ	XII	24 13 43 24.3–.09	22N–2.0	102E–2.0	10	6.3L,5.9		
GFZ	XII	24 13 43 24.2	22.33N	101.63E	12	5.6W,5.9		
BGR	XII	24 13 43 28.6	21.92N	100.96E	33	5.7b,5.9		
NEIC	XII	24 13 43 33.3	22.36N	101.69E	12	5.7,5.9		

ISC Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=117.7.
IDC Error ellipse: s-maj=10.4km s-min=8.1km az=105.0.
IPGP Moment Tensor Solution. NP1:ϕ_s300.00000°,δ78.00000°,λ-172.00000°. NP2:ϕ_s208.00000° ,δ82.00000°,λ-12.00000°.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.2km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08 $M_{\theta\theta}$-2.40 $M_{\phi\phi}$2.48 $M_{r\theta}$0.67 $M_{\theta\phi}$-1.21 $M_{\phi r}$-0.04 NP1:ϕ_s302.43000°,δ83.55000°,λ-167.89000°. NP2:ϕ_s211.04000° ,δ77.97000°,λ-6.60000°. Principal axes: T 2.7744,Plg4.0000°,Azm76.0000° ; N 0.0562,Plg76.0000°,Azm330.0000°; P -2.8306,Plg13.0000°,Azm167.0000° $M_0$2.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112241343A. Moment Tensor Solution. s129,c225; s156,c343;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.04 $M_{\theta\theta}$-4.12±.04; $M_{\phi\phi}$4.13±.04; $M_{r\theta}$-0.28±.10; $M_{\theta\phi}$-1.63±.04; $M_{\phi r}$-0.32±.10; Best double couple: NP1: ϕ_s124.00000°,δ85.00000°,λ-179.00000°. NP2:ϕ_s34.00000°,δ89.00000°,λ-5.00000°. Principal axes: T 4.4550,Plg3.0000°,Azm79.0000°; N 0.0030,Plg85.0000°,Azm207.0000° ; P -4.4560,Plg4.0000°,Azm349.0000° $M_0$4.45500×10^{17}
NEIC Event type se.
NEIC Event type se.
PLV Event type se. Error ellipse: s-maj=5.5km s-min=6.9km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.21 $M_{\theta\theta}$-3.08 $M_{\phi\phi}$3.29 $M_{r\theta}$0.80 $M_{\theta\phi}$-1.22 $M_{\phi r}$-0.10 NP1: ϕ_s305.22282°,δ83.38203°,λ-167.94318°. NP2:ϕ_s213.81269°,δ78.02471°,λ-6.76588°. Principal axes: T 3.5359,Plg3.7397°,Azm79.0896°; N -0.0490,Plg76.2699°,Azm333.5728° ; P -3.4869,Plg13.1917°,Azm169.9675° $M_0$3.51167×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.15 $M_{\theta\theta}$-3.99 $M_{\phi\phi}$3.84 $M_{r\theta}$0.23 $M_{\theta\phi}$-1.60 $M_{\phi r}$0.71 NP1:ϕ_s303.63000°,δ80.24000° ,λ176.90000°. NP2:ϕ_s34.16000°,δ86.94000°,λ9.77000°. Principal axes: T 4.2571,Plg9.0000° ,Azm259.0000°; N 0.0729,Plg80.0000°,Azm51.0000°; P -4.3300,Plg5.0000°,Azm169.0000° $M_0$4.29000×10^{17}

(297) Myanmar-China border region

ISC	**XII**	**24 14 02 30.0–.30**	**22.35N–.03**	**101.65E–.03**	**10**	**4.6b**	**281**	**2-107**
BKK	XII	24 14 02 28.9–.70	22N–6.0	102E–5.0	10	5.5L,5.4		**¶621652977**
MOS	XII	24 14 02 28.6–1.4	22.27N	101.73E	12	4.7b,5.4		
BJI	XII	24 14 02 28.3	22.27N	101.76E	11	4.6L,4.6b		
IDC	XII	24 14 02 28.3–.62	22.34N	101.68E	0	4.7s,4.5L		
NEIC	XII	24 14 02 29.8–.84	22.33N–.06	101.68E–.05	11–4	4.7b,4.5L		
PLV	XII	24 14 02 29.5–1.4	22.43N	101.68E	14–14	4.7L,4.5L		
GCMT	XII	24 14 02 30.9–.30	22.29N–.02	101.76E–.02	16–1	4.9W,4.5L		
GFZ	XII	24 14 02 30.6–.24	22N–3.0	102E–4.0	10	6.4b,6.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PLV Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112241402A. Moment Tensor Solution. s1,c1; s91,c124; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.13 $M_{\theta\theta}$-2.55±.10; $M_{\phi\phi}$2.51±.10; $M_{r\theta}$0.80±.33; $M_{\theta\phi}$-0.58±.09; $M_{\phi r}$-0.31±.29; Best double couple: NP1:ϕ_s218.00000°,δ73.00000° ,λ-4.00000°. NP2:ϕ_s309.00000°,δ86.00000°,λ-163.00000°. Principal axes: T 2.6400,Plg9.0000°,Azm82.0000°; N 0.1770,Plg72.0000°,Azm322.0000° ; P -2.8170,Plg15.0000°,Azm175.0000° $M_0$2.72800×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(280) Banda Sea

ISC	**XII**	**24 19 57 14.4–1.5**	**4.10S–.05**	**128.67E–.03**	**5–11**		**43**	**1-65**
IDC	XII	24 19 57 14.7–1.6	3.98S	128.52E	0	3.5,3.4b		**¶621700102**
DJA	XII	24 19 57 16.6–.20	4S–2.0	129E–1.0	10	5.7b,5.3		

ISC Event type se.

(370) Crete

ISC	**XII**	**24 22 14 10.7–.65**	**35.11N–.02**	**25.20E–.01**	**15–3**	**4.0b**	**310**	**0-78**
IDC	XII	24 22 14 08.4–1.1	34.99N	25.12E	0	3.8b,3.7		**¶621700060**
ATH	XII	24 22 14 10.5	35.10N	25.21E	13–0	3.7L,3.7		
THE	XII	24 22 14 10.8	35N–1.0	25.2E–.70	12–1	3.7,3.7		
ISK	XII	24 22 14 10.4	35.13N	25.19E	6–0	3.6L,3.7		
MCSM	XII	24 22 14 11.7–.70	35N–5.0	25E–4.0	9–4	6.8b,6.7		
AFAD	XII	24 22 14 19.0	35.49N	25.41E	36–518	3.9W,6.7		

ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=10.0km az=20.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/24 22:14:38, This location: 2021/12/24 22:20:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

(425) South Indian Ocean

ISC	**XII**	**25 09 20 11.4–.57**	**36.34S–.04**	**53.34E–.05**	**6–3**	**5.4b,4.7s**	**772**	**10-173**
IDC	XII	25 09 20 10.7–.38	36.30S	53.45E	0	5.5L,5.0b		**¶621653356**
BJI	XII	25 09 20 11.3	35.95S	53.11E	10	5.6b,5.2s		
MOS	XII	25 09 20 11.2–.73	36.34S	53.48E	13	5.6b,4.6s		
NEIC	XII	25 09 20 12.8	36.35S	53.34E	10	5.6b,4.6s		
GFZ	XII	25 09 20 13.0–.19	36S–3.0	53E–4.0	10	5.6b,5.4		
NEIC	XII	25 09 20 12.4–.86	36.34S–.02	53.3E–.10	10–1	5.4b,5.4		
NEIC	XII	25 09 20 13.2	36.25S	53.34E	20	5.4,5.4		
GFZ	XII	25 09 20 13.1	36.31S	53.37E	10	5.1W,5.4		
GCMT	XII	25 09 20 14.6–.10	36.22S–.01	53.32E–.01	12	5.3W,5.4		

ISC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.39 $M_{\theta\theta}$1.48 $M_{\phi\phi}$-0.10 $M_{r\theta}$-0.33 $M_{\theta\phi}$0.18 $M_{\phi r}$-0.38 NP1:ϕ_s277.17000°,δ39.47000° ,λ-68.83000°. NP2:ϕ_s70.52000°,δ53.64000°,λ-106.57000°. Principal axes: T 1.5495,Plg7.0000°,Azm172.0000°; N -0.0349,Plg13.0000°,Azm81.0000° ; P -1.5146,Plg75.0000°,Azm290.0000° $M_0$1.53000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.02 $M_{\theta\theta}$5.29 $M_{\phi\phi}$0.72 $M_{r\theta}$-2.32 $M_{\theta\phi}$1.19 $M_{\phi r}$-1.31 NP1: ϕ_s70.22069°,δ57.19912°,λ-96.24728°. NP2:ϕ_s261.64505°,δ33.32511°,λ-80.41604°. Principal axes: T 6.1279,Plg11.9923°,Azm164.7325°; N 0.4985,Plg5.2481°,Azm73.6145° ; P -6.6264,Plg76.8782°,Azm320.4083° $M_0$6.39176×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112250920A. Moment Tensor Solution. s84,c128; s143,c261;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$1.03±.01; $M_{\phi\phi}$-0.04±.01; $M_{r\theta}$0.29±.03; $M_{\theta\phi}$0.14±.01; $M_{\phi r}$-0.01±.04; Best double couple: NP1:ϕ_s79.00000° ,δ37.00000°,λ-95.00000°. NP2:ϕ_s266.00000°,δ53.00000°,λ-86.00000°. Principal axes: T 1.0880,Plg8.0000°,Azm353.0000°; N -0.0640,Plg3.0000°,Azm83.0000° ; P -1.0270,Plg82.0000°,Azm194.0000° $M_0$1.05700×10^{17}

(173) Tonga Islands

ISC	**XII**	**25 12 39 12.7–.24**	**16.96S–.04**	**173.52W–.03**	**35–2**	**5.8b,5.3s**	**1627**	**3-165**
BJI	XII	25 12 39 07.9	16.52S	173.26W	7	6.1b,5.7b		**¶621653369**
IDC	XII	25 12 39 07.8–.33	16.97S	173.51W	0	5.5b,5.5		
IPGP	XII	25 12 39 09.0	17.02S	173.51W	67	5.9W,5.5		
NOU	XII	25 12 39 10.1	16.93S	173.58W	15	5.6,5.5		
GFZ	XII	25 12 39 11.9–.35	17S–2.0	174W–2.0	25–2	6.7,6.5L		
GFZ	XII	25 12 39 11.9	16.95S	173.59W	25	6.1W,6.5L		
MOS	XII	25 12 39 12.3–1.1	16.93S	173.64W	37	5.9b,5.0s		
NEIC	XII	25 12 39 13.7–1.1	17.04S–.08	173.49W–.09	43–1	5.8b,5.6		
BGR	XII	25 12 39 16.3	15.91S	173.48W	33	5.3s,5.6		
GCMT	XII	25 12 39 19.8–.10	17.03S	173.19W	75–0	5.9W,5.6		

ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=11.8km az=122.0.
IPGP Moment Tensor Solution. NP1:ϕ_s161.00000°,δ3.00000°,λ79.00000°. NP2:ϕ_s352.00000° ,δ87.00000°,λ91.00000°.
NOU Tonga Islands.

GFZ Error ellipse: s-maj=4.8km s-min=3.9km az=161.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12 $M_{\theta\theta}$0.06 $M_{\phi\phi}$0.06 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.09 $M_{\phi r}$1.53 NP1: ϕ_s296.86247°,δ3.62381°,λ-150.64949°. NP2:ϕ_s177.56092°,δ88.22468°,λ-86.84034°. Principal axes: T 1.5155,Plg43.1403°,Azm264.4991°; N 0.0508,Plg3.1581°,Azm357.4629° ; P -1.5663,Plg46.6855°,Azm90.8179° $M_0$1.54154×10^{18}
MOS Error ellipse: s-maj=8.9km s-min=7.3km az=81.7.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.1km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112251239A. Moment Tensor Solution. s147,c332; s159,c481;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.06 $M_{\theta\theta}$-0.49±.06; $M_{\phi\phi}$0.66±.06; $M_{r\theta}$-1.43±.04; $M_{\theta\phi}$1.00±.05; $M_{\phi r}$7.85±.04; Best double couple: NP1:ϕ_s74.00000°,δ8.00000°,λ-6.00000°. NP2:ϕ_s170.00000°,δ89.00000°,λ-98.00000°. Principal axes: T 8.1160,Plg44.0000°,Azm268.0000°; N -0.1050,Plg8.0000°,Azm170.0000° ; P -8.0110,Plg45.0000°,Azm71.0000° $M_0$8.06400×10^{17}

(705) Off west coast of northern Sumatera

ISC	**XII**	**25 13 11 24.4–1.2**	**0.23N–.07**	**96.60E–.09**	**32**	**3.4b**	**39**	**1-54**	
DJA	XII	25 13 11 20.0–.70	0N–5.0	97E–6.0	10	5.5b,5.0			**¶621700155**
IDC	XII	25 13 11 20.5–1.4	0.14N	96.64E	0	3.7L,3.4b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=28.1km s-min=21.6km az=81.0.								

(691) Pacific-Antarctic Ridge

ISC	**XII**	**25 14 36 01.1–.29**	**55.97S–.08**	**144.35W–.07**	**10**	**5.1b,4.8s**	**182**	**28-179**	
MOS	XII	25 14 35 59.9–1.4	55.97S	144.28W	10	5.2b,4.8s			**¶621653374**
IDC	XII	25 14 36 00.3–.54	55.80S	144.31W	0	4.8s,4.7b			
NEIC	XII	25 14 36 00.7–2.1	55.9S–.10	144.2W–.20	10–1	5.4,5.3b			
BJI	XII	25 14 36 01.8	56.00S	144.40W	10	5.4s,5.2			
GFZ	XII	25 14 36 03.2–.18	56S–7.0	144W–3.0	10	5.7b,5.7			
GCMT	XII	25 14 36 03.7–.10	56.07S–.01	144.26W–.01	12	5.3W,5.7			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112251436A. Moment Tensor Solution. s82,c115; s128,c220;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.02 $M_{\theta\theta}$1.06±.02; $M_{\phi\phi}$-0.97±.01; $M_{r\theta}$-0.04±.05; $M_{\theta\phi}$0.32±.02; $M_{\phi r}$0.17±.04; Best double couple: NP1: ϕ_s217.00000°,δ83.00000°,λ-173.00000°. NP2:ϕ_s126.00000°,δ83.00000°,λ-7.00000°. Principal axes: T 1.1100,Plg1.0000°,Azm171.0000°; N -0.0500,Plg80.0000°,Azm264.0000° ; P -1.0580,Plg10.0000°,Azm81.0000° $M_0$1.08400×10^{17}								

(266) Northern Molucca Sea

ISC	**XII**	**26 02 22 53.9–.27**	**2.18N–.03**	**126.68E–.04**	**36–1**	**5.4b,4.2s**	**1091**	**1-171**	
MOS	XII	26 02 22 51.7–.90	2.18N	126.51E	31	5.5b,4.5s			**¶621653493**
BJI	XII	26 02 22 51.3	1.73N	126.70E	52	5.4b,5.2b			
IDC	XII	26 02 22 52.5–1.7	2.09N	126.51E	27–11	5.2,5.0b			
NEIC	XII	26 02 22 53.3–2.4	2.13N–.05	126.62E–.06	26–2	5.5b,5.3			
GFZ	XII	26 02 22 53.8	2.14N	126.69E	34	5.3W,5.3			
GFZ	XII	26 02 22 53.8–.10	2N–2.0	127E–2.0	33	5.7b,5.4			
DJA	XII	26 02 22 55.8–.10	2N–1.0	127E–1.0	53–1	5.7b,5.4			
GCMT	XII	26 02 22 56.9–.10	2.28N–.01	126.68E–.01	34–0	5.3W,5.4			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-0.66 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.57 $M_{\phi r}$-0.27 NP1: ϕ_s210.81526°,δ52.77967°,λ83.55570°. NP2:ϕ_s41.39242°,δ37.69436°,λ98.40511°. Principal axes: T 0.9808,Plg80.8366°,Azm90.9240°; N 0.1219,Plg5.1277°,Azm214.7238° ; P -1.1026,Plg7.5740°,Azm305.4074° $M_0$1.04704×10^{17}								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112260222A. Moment Tensor Solution. s129,c207; s125,c209;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.15±.02 $M_{\theta\theta}$-0.30±.01; $M_{\phi\phi}$-0.84±.02; $M_{r\theta}$-0.29±.02; $M_{\theta\phi}$-0.60±.01; $M_{\phi r}$-0.07±.02; Best double couple: NP1: ϕ_s22.00000°,δ41.00000°,λ74.00000°. NP2:ϕ_s223.00000°,δ51.00000°,λ103.00000°. Principal axes: T 1.2090,Plg78.0000°,Azm187.0000°; N 0.0460,Plg10.0000°,Azm35.0000° ; P -1.2560,Plg5.0000°,Azm304.0000° $M_0$1.23200×10^{17}								

(403) Northern Mid-Atlantic Ridge

ISC	**XII**	**26 06 28 57.1–.37**	**52.35N–.08**	**31.78W–.05**	**10**	**4.5b,3.8s**	**266**	**15-149**	
IDC	XII	26 06 28 55.6–.51	52.43N	31.76W	0	4.6L,4.2			**¶621653496**
GFZ	XII	26 06 28 56.4–.16	52N–5.0	32W–2.0	0	5.6b,5.1			
NEIC	XII	26 06 28 57.3–.82	52.41N–.07	31.8W–.10	10–1	4.6b,5.1			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								

(246) Southwestern Ryukyu Islands

ISC	**XII**	**26 08 26 48.3–.18**	**25.19N–.02**	**125.66E–.02**	**27**	**5.7s,5.6b**	**1546**	**0-175**	
BJI	XII	26 08 26 43.2	24.96N	125.87E	22	6.1s,6.1			**¶621653500**
IDC	XII	26 08 26 44.4–.29	25.18N	125.46E	0	5.6s,5.3b			
BGR	XII	26 08 26 45.4	24.70N	125.76E	33	6.3,6.2s			
GFZ	XII	26 08 26 46.8	25.22N	125.60E	15	5.8W,6.2s			
IPGP	XII	26 08 26 46.0	25.23N	125.59E	27	5.9W,6.2s			
MOS	XII	26 08 26 46.1–1.1	25.23N	125.61E	23	5.9s,5.7b			
NEIC	XII	26 08 26 46.7	25.21N	125.59E	10	5.9s,5.7b			
NEIC	XII	26 08 26 46.7	25.21N	125.59E	10	5.9s,5.7b			
NEIC	XII	26 08 26 47.6–1.1	25.21N–.07	125.60E–.06	19–3	5.8b,5.7			
GFZ	XII	26 08 26 47.2–.15	25N–2.0	126E–2.0	10	5.9b,5.9			
PTWC	XII	26 08 26 47	24.80N	125.80E		6.3,5.9			
ISC-P	XII	26 08 26 47	25.21N	125.60E	28–0	6.2,5.9			
JMA	XII	26 08 26 47.2–.15	25.1N–.80	125.6E–.80	39–2	6.1,5.9W			
NIED	XII	26 08 26 47.2	25.14N	125.63E	39	5.9W,5.9W			
GCMT	XII	26 08 26 49.6–.10	25.13N	125.56E	22–0	5.9W,5.9W			
KEA	XII	26 08 26 53.5	25.28N	125.76E	33	5.7s,5.9W			
NEIC	XII	26 08 26 57.8	25.21N	125.59E	26	5.9,5.9W			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=9.5km s-min=7.2km az=99.0.								
BGR	Event type ke.								
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.37 $M_{\theta\theta}$0.61 $M_{\phi\phi}$4.76 $M_{r\theta}$-1.43 $M_{\theta\phi}$-2.52 $M_{\phi r}$-0.85 NP1: ϕ_s138.15590°,δ46.74783°,λ-114.08246°. NP2:ϕ_s351.27180°,δ48.32157°,λ-66.55179°. Principal axes: T 5.9483,Plg0.8209°,Azm64.9280°; N -0.0589,Plg17.2896°,Azm155.1835° ; P -5.8894,Plg72.6897°,Azm332.2929° $M_0$5.91908×10^{17}								
IPGP	Moment Tensor Solution. NP1:ϕ_s338.00000°,δ36.00000°,λ-86.00000°. NP2:ϕ_s153.00000° ,δ54.00000°,λ-93.00000°.								
MOS	Error ellipse: s-maj=6.0km s-min=3.4km az=113.8.								
NEIC	Event type se.								
NEIC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=10.3km s-min=7.5km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.61 $M_{\theta\theta}$1.18 $M_{\phi\phi}$3.42 $M_{r\theta}$-0.71 $M_{\theta\phi}$-2.51 $M_{\phi r}$1.33 NP1:ϕ_s148.55000°,δ53.66000°,λ-88.09000°. NP2:ϕ_s325.33000° ,δ36.38000°,λ-92.60000°. Principal axes: T 5.2796,Plg9.0000°,Azm237.0000° ; N -0.4430,Plg2.0000°,Azm327.0000°; P -4.8366,Plg81.0000°,Azm67.0000° $M_0$5.07000×10^{17}								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
ISC-P	Moment Tensor Solution. s43 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.56±.13 $M_{\theta\theta}$-0.10±.16; $M_{\phi\phi}$0.69±.17; $M_{r\theta}$-0.17±.22; $M_{\theta\phi}$-0.26±.27; $M_{\phi r}$0.05±.14; NP1:ϕ_s18.10000°,δ58.40000° ,λ287.30000°. NP2:ϕ_s167.40000°,δ35.60000°,λ-115.90000°. $M_0$2.24000×10^{18}								
JMA	Event type fe. NEAR MIYAKOJIMA ISLAND .								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-6.19 $M_{\theta\theta}$1.09 $M_{\phi\phi}$5.10 $M_{r\theta}$-2.49 $M_{\theta\phi}$-2.74 $M_{\phi r}$0.59 NP1:ϕ_s349.00000°,δ40.00000°,λ-65.00000°. NP2:ϕ_s137.00000° ,δ55.00000°,λ-110.00000°. $M_0$6.84000×10^{17}								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112260826A. Moment Tensor Solution. s155,c333; s164,c519;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.78±.01 $M_{\theta\theta}$0.18±.00; $M_{\phi\phi}$0.59±.01; $M_{r\theta}$-0.05±.01; $M_{\theta\phi}$-0.38±.00; $M_{\phi r}$0.34±.01; Best double couple: NP1:ϕ_s320.00000°,δ35.00000°,λ-105.00000°. NP2:ϕ_s158.00000°,δ57.00000°,λ-80.00000°. Principal axes: T 0.8810,Plg11.0000°,Azm241.0000°; N -0.0180,Plg8.0000°,Azm333.0000° ; P -0.8630,Plg76.0000°,Azm99.0000° $M_0$0.87200×10^{18}								
NEIC	Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-7.47 $M_{\theta\theta}$2.33 $M_{\phi\phi}$5.13 $M_{r\theta}$-1.38 $M_{\theta\phi}$-3.31 $M_{\phi r}$1.28 NP1:ϕ_s329.68000°,δ38.12000° ,λ-84.91000°. NP2:ϕ_s143.22000°,δ52.05000°,λ-93.99000°. Principal axes: T 7.5521,Plg7.0000°,Azm236.0000°; N 0.1624,Plg3.0000°,Azm146.0000° ; P -7.7145,Plg82.0000°,Azm32.0000° $M_0$7.63000×10^{17}								

(228) Near east coast of eastern Honshu

ISC	**XII**	**26 08 28 27.0–1.0**	**35.34N–.05**	**141.26E–.09**	**25**	**5.7s,4.8b**	**19**	**1-99**	
IDC	XII	26 08 28 23.9–1.1	35.36N	141.62E	0	5.3s,4.4b			**¶621700208**
JMA	XII	26 08 28 29.3–.06	35.4N–.20	141.1E–.30	20–1	3.8,4.4b			
ISC	Event type ke.								
JMA	Event type ke. E OFF BOSO PENINSULA .								

(370) Crete

ISC	**XII**	**26 15 15 11.0–.51**	**35.07N–.03**	**26.87E–.02**	**9–3**	**5.0b,4.5s**	**1377**	**1-126**	
BJI	XII	26 15 15 07.9	34.98N	26.41E	22	5.5b,5.0s			**¶621653666**
MOS	XII	26 15 15 08.7–1.1	35.03N	26.88E	6	5.1b,4.4s			
ISK	XII	26 15 15 09.8	35.11N	26.92E	5–0	5.0L,4.4s			
IDC	XII	26 15 15 10.0–.40	35.21N	26.83E	0	4.7b,4.6			
ATH	XII	26 15 15 09.3	35.04N	26.97E	9–1	5.2L,4.6			
MCSM	XII	26 15 15 10.3–.40	35N–3.0	27E–2.0	14–2	5.1b,4.9b			
MED_R	XII	26 15 15 10.0	35.01N	26.93E	18	5.2W,4.9b			
GII	XII	26 15 15 10.7–.00	34.803N–.01	26.737E–.00	0	4.6,4.9b			
NEIC	XII	26 15 15 11.7–1.5	35.15N–.07	26.89E–.03	10–1	5.1b,4.9b			
GCMT	XII	26 15 15 11.7–.20	35.03N–.01	26.80E–.01	22–1	5.2W,4.9b			
NEIC	XII	26 15 15 11.5	35.12N	26.89E	10	5.2W,4.9b			
GFZ	XII	26 15 15 12.0	35.03N	26.92E	12	5.0W,4.9b			
PDG	XII	26 15 15 11.9–.65	34.91N	27.03E	10–11	4.9L,4.9b			
AFAD	XII	26 15 15 12.0	34.87N	26.76E	36–287	4.9W,4.9b			
GFZ	XII	26 15 15 12.0–.13	35N–2.0	27E–1.0	10	5.4b,5.2			
NEIC	XII	26 15 15 12	34.92N	26.65E	18	5.1,5.2			
NAO	XII	26 15 15 12.7	34.95N	24.51E	10	4.2b,5.2			
THE	XII	26 15 15 13.2	35N–4.0	27E–2.0	0–1	4.9,4.9			
BEO	XII	26 15 15 16.9–.80	35.14N	26.36E	10	4.3L,4.9			
ISC	Event type ke.								
MOS	Error ellipse: s-maj=5.0km s-min=2.6km az=91.4.								
ISK	Event type ke.								
IDC	Error ellipse: s-maj=9.9km s-min=7.4km az=26.0.								
ATH	Event type ke. Manual Solution by S.Liakopoulos First location: 2021/12/26 15:15:43, This location: 2021/12/26 22:34:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.								
MED_R	Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}0.92±.28 $M_{\theta\theta}$1.19±.21; $M_{\phi\phi}$0.00±.15; $M_{r\theta}$-3.78±.51; $M_{\theta\phi}$6.68±.23; $M_{\phi r}$-2.64±.43; NP1: ϕ_s183.00000°,δ68.00000°,λ160.00000°. NP2:ϕ_s281.00000°,δ71.00000°,λ23.00000°. Principal axes: T 9.0300,Plg30.0000°,Azm142.0000°; N -1.6800,Plg60.0000°,Azm318.0000° ; P -7.3600,Plg2.0000°,Azm51.0000° $M_0$8.19000×10^{16}								
GII	Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.								
NEIC	Event type se. Error ellipse: s-maj=11.1km s-min=4.2km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112261515A. Moment Tensor Solution. s45,c60; s106,c169; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.23 $M_{\theta\theta}$-0.05±.21; $M_{\phi\phi}$0.20±.20; $M_{r\theta}$-0.21±.31; $M_{\theta\phi}$6.91±.17; $M_{\phi r}$-0.57±.32; Best double couple: NP1:ϕ_s270.00000°,δ85.00000° ,λ2.00000°. NP2:ϕ_s179.00000°,δ88.00000°,λ175.00000°. Principal axes: T 7.0300,Plg4.0000°,Azm134.0000°; N -0.1870,Plg85.0000°,Azm341.0000° ; P -6.8440,Plg2.0000°,Azm225.0000° $M_0$6.93700×10^{16}								
NEIC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.65 $M_{\theta\theta}$0.88 $M_{\phi\phi}$-0.23 $M_{r\theta}$0.04 $M_{\theta\phi}$3.71 $M_{\phi r}$-0.20 NP1: ϕ_s274.19700°,δ86.51781°,λ-1.73435°. NP2:ϕ_s4.30238°,δ88.26885°,λ-176.51622°. Principal axes: T 4.0815,Plg1.2369°,Azm139.2099°; N -0.6454,Plg86.1103°,Azm30.6944° ; P -3.4361,Plg3.6872°,Azm229.2896° $M_0$3.80015×10^{16}								
PDG	Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.								
AFAD	Event type se. Presumed earthquake.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.48 $M_{\theta\theta}$1.40 $M_{\phi\phi}$-0.92 $M_{r\theta}$2.66 $M_{\theta\phi}$4.74 $M_{\phi r}$-2.56 NP1:ϕ_s11.69000°,δ63.93000° ,λ-162.36000°. NP2:ϕ_s273.74000°,δ74.21000°,λ-27.17000°. Principal axes: T 5.1831,Plg7.0000°,Azm324.0000°; N 1.5885,Plg59.0000°,Azm66.0000° ; P -6.7716,Plg30.0000°,Azm230.0000° $M_0$6.13000×10^{16}								
NAO	Event type se. Presumed earthquake.								
BEO	Event type ke.								

(196) Irian Jaya region

ISC	**XII**	**26 18 38 47.7–.76**	**3.00S–.05**	**136.04E–.04**	**33**		**29**	**1-68**	
IDC	XII	26 18 38 42.7–1.2	2.97S	136.00E	0	3.4,3.2L			**¶621700240**
DJA	XII	26 18 38 46.7–.50	3S–3.0	136E–2.0	13–4	6.1b,5.8			
ISC	Event type se.								

(370) Crete

ISC	**XII**	**26 18 59 03.1–.37**	**35.11N–.02**	**26.92E–.02**	**9–2**	**5.6b,5.4s**	**2039**	**0-157**	
GII	XII	26 18 58 58.7–.00	34.770N–.00	26.811E–.00	0	5.2,5.4s			**¶621653678**
BJI	XII	26 18 59 00.4	34.91N	26.86E	14	5.7b,5.6s			
IDC	XII	26 18 59 01.0–.34	35.19N	26.85E	0	5.2s,5.1b			
ISK	XII	26 18 59 01.2	35.07N	26.97E	5–0	5.6L,5.1b			
ATH	XII	26 18 59 02.1	35.20N	26.85E	6–1	5.5L,5.1b			
NEIC	XII	26 18 59 02.6	35.17N	26.93E	10	5.5L,5.1b			
NEIC	XII	26 18 59 02.7	35.19N	26.93E	10	5.5L,5.1b			
NEIC	XII	26 18 59 02.7–2.2	35.19N–.06	26.97E–.05	10–1	5.7b,5.6			
MCSM	XII	26 18 59 02.8–.30	35N–2.0	27E–2.0	10–2	5.7b,5.6			
MOS	XII	26 18 59 02.4–1.3	35.07N	27.00E	20	5.8b,5.2s			
THE	XII	26 18 59 03.9	35N–3.0	27E–2.0	0–1	5.2,5.2			
MED_R	XII	26 18 59 03.0	35.03N	26.94E	18	5.7W,5.2			
PDG	XII	26 18 59 03.1–.64	34.93N	27.07E	13–11	5.6L,5.2			
PTWC	XII	26 18 59 04	34.90N	26.90E		5.6,5.2			
GFZ	XII	26 18 59 04.0–.10	35N–1.0	27E–1.0	10	6.0,5.8b			
GCMT	XII	26 18 59 04.0–.10	35.06N–.01	26.87E–.01	18–0	5.6W,5.8b			
GFZ	XII	26 18 59 04.1	35.19N	26.89E	13	5.5W,5.8b			
BEO	XII	26 18 59 06.0–.70	34.96N	26.60E	10	4.7L,5.8b			
AFAD	XII	26 18 59 08.0	35.15N	26.94E	36–168	5.5W,5.8b			
NEIC	XII	26 18 59 09.2	35.19N	26.81E	22	5.6,5.8b			
NAO	XII	26 18 59 09.3	35.08N	24.47E	33	4.7b,5.8b			
ISC	Event type ke.								
GII	Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.								
IDC	Error ellipse: s-maj=8.7km s-min=7.6km az=53.0.								
ISK	Event type ke.								
ATH	Event type ke. Manual Solution by S.Liakopoulos First location: 2021/12/26 19:00:07, This location: 2021/12/26 22:20:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.								
NEIC	Event type se.								
NEIC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=10.5km s-min=7.2km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.50 $M_{\theta\theta}$0.89 $M_{\phi\phi}$-0.40 $M_{r\theta}$0.02 $M_{\theta\phi}$3.22 $M_{\phi r}$0.10 NP1:ϕ_s95.64000°,δ88.25000°,λ-0.19000°. NP2:ϕ_s185.65000°,δ89.81000° ,λ-178.25000°. Principal axes: T 3.5330,Plg1.0000°,Azm321.0000°; N -0.4951,Plg88.0000° ,Azm192.0000°; P -3.0379,Plg1.0000°,Azm51.0000° $M_0$3.31000×10^{17}								
MOS	Error ellipse: s-maj=4.4km s-min=2.4km az=85.5.								
MED_R	Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17} Nm; M_{rr}0.81±.09 $M_{\theta\theta}$0.64±.07; $M_{\phi\phi}$0.00±.05; $M_{r\theta}$-1.64±.17; $M_{\theta\phi}$3.70±.07; $M_{\phi r}$-0.94±.15; NP1:								

ϕ_s184.00000°,δ69.00000°,λ162.00000°. NP2:ϕ_s281.00000°,δ73.00000°,λ22.00000°.
Principal axes: T 4.4200,Plg27.0000°,Azm144.0000°; N -0.1600,Plg62.0000°,Azm316.0000°
; P -4.2600,Plg3.0000°,Azm52.0000° $M_0$4.34000×10^{17}

PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.1km az=0.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112261859A. Moment Tensor Solution. s119,c213; s146,c305;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.30±.04 $M_{\theta\theta}$0.03±.04; $M_{\phi\phi}$-0.33±.04; $M_{r\theta}$-0.22±.09; $M_{\theta\phi}$3.18±.03; $M_{\phi r}$0.33±.08; Best double couple: NP1:ϕ_s91.00000°,δ85.00000°,λ-3.00000°. NP2:ϕ_s182.00000°,δ87.00000°,λ-175.00000°. Principal axes:
T 3.0340,Plg1.0000°,Azm317.0000°; N 0.3450,Plg84.0000°,Azm214.0000°
; P -3.3790,Plg6.0000°,Azm47.0000° $M_0$3.20700×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.18 $M_{\theta\theta}$0.29 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.55 $M_{\theta\phi}$2.19 $M_{\phi r}$-0.15 NP1:
ϕ_s274.90910°,δ89.18461°,λ-14.07378°. NP2:ϕ_s5.11351°,δ75.92768°,λ-179.15938°.
Principal axes: T 2.1849,Plg9.3153°,Azm320.8781°; N 0.2123,Plg75.9031°,Azm91.6602°
; P -2.3972,Plg10.4859°,Azm229.1383° $M_0$2.29840×10^{17}
BEO Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.74 $M_{\theta\phi}$2.96 $M_{\phi r}$-1.40 NP1:ϕ_s270.76000°,δ67.99000°
,λ-8.61000°. NP2:ϕ_s4.01000°,δ82.02000°,λ-157.76000°. Principal axes:
T 2.9186,Plg10.0000°,Azm136.0000°; N 0.7837,Plg66.0000°,Azm23.0000°
; P -3.7023,Plg21.0000°,Azm229.0000° $M_0$3.38000×10^{17}
NAO Event type se. Presumed earthquake.

(30) Off coast of Oregon

ISC	**XII**	**27 06 54 36.1–.57**	**44.16N–.07**	**129.05W–.07**	**15**	**4.5b,4.0s**	**197**	**2-100**
IDC	XII	27 06 54 34.5–.91	44.28N	129.21W	0	4.0b,4.0		**¶621653748**
NEIC	XII	27 06 54 35.1–1.1	44.13N–.08	129.1W–.10	10–1	4.5b,4.0L		
GCMT	XII	27 06 54 36.4–.30	44.03N–.02	129.32W–.02	18–1	4.9W,4.0L		
GFZ	XII	27 06 54 37.3–.51	44N–5.0	129W–6.0	10	5.5b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112270654A. Moment Tensor Solution. s28,c29; s100,c147; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.11 $M_{\theta\theta}$-2.26±.10; $M_{\phi\phi}$2.12±.08; $M_{r\theta}$-0.30±.23; $M_{\theta\phi}$-1.73±.08; $M_{\phi r}$0.36±.19; Best double couple: NP1:ϕ_s26.00000°,δ81.00000°
,λ4.00000°. NP2:ϕ_s295.00000°,δ86.00000°,λ171.00000°. Principal axes:
T 2.7940,Plg9.0000°,Azm251.0000°; N 0.0740,Plg80.0000°,Azm89.0000°
; P -2.8700,Plg3.0000°,Azm341.0000° $M_0$2.83200×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(276) Sunda Strait

ISC	**XII**	**27 08 32 21.0–.31**	**6.60S–.05**	**104.33E–.04**	**40**	**5.0b,4.1s**	**536**	**1-153**
GFZ	XII	27 08 32 19.8–.75	7S–3.0	104E–2.0	28–5	5.2b,5.0		**¶621653758**
IDC	XII	27 08 32 20.9–2.5	6.48S	104.37E	35–19	4.7,4.5b		
NEIC	XII	27 08 32 20.4–1.2	6.61S–.06	104.30E–.04	35–5	4.9b,4.5b		
DJA	XII	27 08 32 22.0–.20	7S–2.0	104E–1.0	45–2	5.5b,5.3		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(684) Southern East Pacific Rise

ISC	**XII**	**27 09 44 05.7–.41**	**34.87S–.07**	**108.16W–.09**	**10**	**5.0b,4.2s**	**214**	**8-166**
IDC	XII	27 09 44 04.0–.56	34.81S	108.35W	0	4.4b,4.4		**¶621653786**
NEIC	XII	27 09 44 06.3–1.2	34.89S–.04	108.1W–.20	10–1	5.0b,4.4		
GFZ	XII	27 09 44 06.5–.31	35S–4.0	108W–5.0	10	5.7b,5.2		
GCMT	XII	27 09 44 09.7–.20	34.97S–.01	108.20W–.02	12–1	5.0W,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112270944A. Moment Tensor Solution. s38,c43; s98,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.00±.11 $M_{\theta\theta}$-0.22±.09; $M_{\phi\phi}$1.22±.09; $M_{r\theta}$-0.15±.23; $M_{\theta\phi}$-2.76±.08; $M_{\phi r}$-1.53±.30; Best double couple: NP1:ϕ_s100.00000°
,δ58.00000°,λ-167.00000°. NP2:ϕ_s3.00000°,δ79.00000°,λ-33.00000°. Principal axes:
T 3.6340,Plg14.0000°,Azm55.0000°; N -0.6590,Plg56.0000°,Azm167.0000°
; P -2.9760,Plg30.0000°,Azm316.0000° $M_0$3.30500×10^{16}

(173) Tonga Islands

ISC	**XII**	**27 11 34 11.8–.27**	**21.52S–.05**	**174.15W–.05**	**10**	**5.6s,5.3b**	**700**	**8-159**
PTWC	XII	27 11 34 01	24.20S	173.80W	10	5.7,5.3b		**¶621653788**
NEIC	XII	27 11 34 08.3–.72	21.45S–.04	173.81W–.09	11–4	5.6,5.3b		
NOU	XII	27 11 34 09.3	21.46S	173.72W	16	5.2b,5.3b		
IDC	XII	27 11 34 10.7–.39	21.46S	174.23W	0	5.1s,4.8b		
NEIC	XII	27 11 34 12.7	21.44S	173.92W	10	5.1s,4.8b		
NEIC	XII	27 11 34 13.2	21.44S	173.27W	16	5.5,4.8b		
GFZ	XII	27 11 34 13.4–.14	21S–3.0	174W–3.0	10	6.0b,5.7L		
GCMT	XII	27 11 34 16.8–.10	21.56S–.01	173.74W–.01	12	5.5W,5.7L		
MOS	XII	27 11 34 17.7–3.0	20.17S	175.39W	10	5.5s,5.5b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.1km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
IDC Error ellipse: s-maj=14.7km s-min=11.2km az=127.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.88 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-1.08 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.86 $M_{\phi r}$0.53 NP1:ϕ_s214.69000°,δ32.37000°
,λ79.67000°. NP2:ϕ_s46.87000°,δ58.22000°,λ96.49000°. Principal axes:
T 2.1137,Plg76.0000°,Azm336.0000°; N -0.0915,Plg6.0000°,Azm223.0000°
; P -2.0221,Plg13.0000°,Azm132.0000° $M_0$2.07000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112271134A. Moment Tensor Solution. s120,c224; s162,c313;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.60±.01 $M_{\theta\theta}$-0.55±.02; $M_{\phi\phi}$-1.05±.01; $M_{r\theta}$0.80±.04; $M_{\theta\phi}$-0.82±.01; $M_{\phi r}$1.12±.04; Best double couple: NP1:
ϕ_s217.00000°,δ25.00000°,λ91.00000°. NP2:ϕ_s36.00000°,δ65.00000°,λ89.00000°.
Principal axes: T 2.1020,Plg70.0000°,Azm304.0000°; N 0.0600,Plg1.0000°,Azm36.0000°
; P -2.1630,Plg20.0000°,Azm126.0000° $M_0$2.13300×10^{17}
MOS Error ellipse: s-maj=12.9km s-min=10.1km az=107.5.

(720) Northwestern Kashmir

ISC	**XII**	**27 13 31 05.8–.38**	**35.54N–.02**	**74.90E–.02**	**20–1**	**5.2b,5.0s**	**1181**	**2-152**
BGR	XII	27 13 30 43.5	33.35N	77.71E	33	5.3b,4.9s		**¶621654218**
MOS	XII	27 13 31 02.6–1.1	35.51N	74.88E	8	5.4b,5.2s		
IDC	XII	27 13 31 02.9–.41	35.48N	74.86E	0	5.0,4.9b		
NEIC	XII	27 13 31 04.4–1.2	35.56N–.03	74.82E–.09	10–1	5.3b,5.2		
NNC	XII	27 13 31 04.7–1.5	35.52N	74.57E	0	5.5b,5.4		
GFZ	XII	27 13 31 05.3–.21	35N–2.0	75E–2.0	12–1	5.8L,5.8b		
GFZ	XII	27 13 31 05.3	35.42N	74.88E	12	5.1W,5.8b		
GCMT	XII	27 13 31 06.9–.10	35.58N–.01	74.91E–.01	30–0	5.3W,5.8b		
BJI	XII	27 13 31 11.6	35.63N	75.58E	40	5.5L,5.5b		

ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.9km s-min=3.0km az=105.2.
IDC Error ellipse: s-maj=10.7km s-min=9.6km az=31.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=4.2km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=15.1km s-min=12.8km az=4.0.
GFZ Error ellipse: s-maj=4.7km s-min=3.8km az=18.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.59 $M_{\theta\theta}$-3.42 $M_{\phi\phi}$6.01 $M_{r\theta}$-1.37 $M_{\theta\phi}$-2.19 $M_{\phi r}$-0.28 NP1:
ϕ_s127.41685°,δ67.79001°,λ-155.65972°. NP2:ϕ_s27.71343°,δ67.56872°,λ-24.13850°.
Principal axes: T 6.4925,Plg0.1447°,Azm257.5268°; N -1.6999,Plg57.5130°,Azm167.2995°
; P -4.7926,Plg32.4866°,Azm347.6190° $M_0$5.83144×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112271331A. Moment Tensor Solution. s74,c99; s132,c231; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32±.02 $M_{\theta\theta}$-0.73±.02; $M_{\phi\phi}$1.06±.02; $M_{r\theta}$-0.42±.03; $M_{\theta\phi}$-0.27±.01; $M_{\phi r}$-0.47±.03; Best double couple: NP1:ϕ_s130.00000°
,δ54.00000°,λ-165.00000°. NP2:ϕ_s31.00000°,δ78.00000°,λ-37.00000°. Principal axes:
T 1.2170,Plg16.0000°,Azm86.0000°; N -0.1030,Plg51.0000°,Azm196.0000°
; P -1.1080,Plg34.0000°,Azm344.0000° $M_0$1.16200×10^{17}

(720) Northwestern Kashmir

ISC	**XII**	**27 13 37 24.3–.60**	**35.52N–.03**	**74.93E–.04**	**16–3**	**4.7b,4.5s**	**457**	**2-152**
IDC	XII	27 13 37 21.8–.54	35.49N	74.88E	0	4.6,4.5b		**¶621654220**
MOS	XII	27 13 37 22.0–1.0	35.57N	74.94E	10	4.9b,4.5b		
GFZ	XII	27 13 37 23.2–.26	35N–3.0	75E–2.0	11–1	5.9b,5.5		
NEIC	XII	27 13 37 24.0–.81	35.61N–.07	75.0E–.10	10–1	4.8b,5.5		
NNC	XII	27 13 37 25.1–3.6	35.61N	74.74E	0	5.0,4.8b		
BJI	XII	27 13 37 27.8	35.38N	75.11E	46	5.4b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=12.0km az=47.0.
MOS Error ellipse: s-maj=7.5km s-min=4.9km az=110.1.
GFZ Error ellipse: s-maj=6.5km s-min=5.3km az=6.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.1km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=38.6km s-min=25.7km az=11.0.

(189) Southeast of Loyalty Islands

ISC	**XII**	**27 19 44 55.4–.42**	**22.47S–.07**	**170.09E–.06**	**21**	**4.6b,4.0s**	**113**	**2-150**
IDC	XII	27 19 44 51.0–.67	22.36S	170.27E	0	4.3b,4.3		**¶621654275**
GFZ	XII	27 19 44 54.4–.33	23S–6.0	170E–5.0	10	6.4b,6.1		
NEIC	XII	27 19 44 55.1–2.3	22.54S–.06	170.05E–.10	10–1	4.7b,6.1		
GCMT	XII	27 19 44 57.0–.20	22.40S–.02	170.23E–.02	18–0	4.9W,6.1		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112271944A. Moment Tensor Solution. s39,c59; s79,c116; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.00±.14 $M_{\theta\theta}$-1.98±.09; $M_{\phi\phi}$-1.02±.08; $M_{r\theta}$1.10±.20; $M_{\theta\phi}$1.60±.06; $M_{\phi r}$-0.08±.21; Best double couple: NP1:ϕ_s317.00000°,δ38.00000°
,λ107.00000°. NP2:ϕ_s116.00000°,δ54.00000°,λ77.00000°. Principal axes:
T 3.2490,Plg76.0000°,Azm344.0000°; N 0.0620,Plg10.0000°,Azm124.0000°
; P -3.3100,Plg9.0000°,Azm215.0000° $M_0$3.27900×10^{16}

(705) Off west coast of northern Sumatera

ISC	**XII**	**27 23 12 07.2–.51**	**3.03N–.05**	**93.94E–.05**	**18**	**4.2b**	**108**	**2-84**
IDC	XII	27 23 12 04.5–.99	2.88N	93.73E	0	4.0L,4.0b		**¶621717346**
NEIC	XII	27 23 12 06.7–1.4	3.04N–.08	93.93E–.08	10–1	4.5b,4.0b		
DJA	XII	27 23 12 09.8–.50	3N–2.0	94E–4.0	10	5.8b,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(421) Carlsberg Ridge

ISC	**XII**	**28 17 55 17.7–.40**	**3.45N–.07**	**63.87E–.06**	**23**	**4.7b,3.8s**	**324**	**10-145**
IDC	XII	28 17 55 15.8–.92	3.70N	63.74E	0	4.1b,4.1		**¶621655833**
NEIC	XII	28 17 55 16.0–1.6	3.53N–.10	63.89E–.06	10–1	4.7b,4.1		
GFZ	XII	28 17 55 17.9–.50	4N–7.0	64E–7.0	10	5.8b,5.4		
GCMT	XII	28 17 55 18.5–.30	3.65N–.02	63.77E–.03	12	4.8W,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112281755A. Moment Tensor Solution. s20,c24; s97,c135; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.54±.05 $M_{\theta\theta}$1.41±.04; $M_{\phi\phi}$0.12±.05; $M_{r\theta}$0.42±.17; $M_{\theta\phi}$-0.48±.04; $M_{\phi r}$0.51±.23; Best double couple: NP1:ϕ_s126.00000°,δ44.00000°
,λ-61.00000°. NP2:ϕ_s270.00000°,δ53.00000°,λ-115.00000°. Principal axes:
T 1.5890,Plg5.0000°,Azm17.0000°; N 0.1850,Plg19.0000°,Azm285.0000°
; P -1.7760,Plg70.0000°,Azm120.0000° $M_0$1.68300×10^{16}

(5) Near Islands

ISC	**XII**	**29 03 57 34.6–.19**	**54.56N–.03**	**170.60E–.02**	**24**	**5.7b,5.4s**	**1513**	**3-161**
AEIC	XII	29 03 57 31.0–2.1	54.62N–.06	170.65E–.06	10–2	5.7b,5.4s		**¶621656490**
KRSC	XII	29 03 57 30.1–1.9	54.57N	170.57E	41–25	5.7L,5.4s		
IDC	XII	29 03 57 31.5–.34	54.65N	170.59E	0	5.3b,5.3		
IPGP	XII	29 03 57 32.0	54.65N	170.63E	6	5.7W,5.3		
BJI	XII	29 03 57 32.3	54.90N	169.95E	5	5.8s,5.6b		
NEIC	XII	29 03 57 32.9–2.1	54.62N–.06	170.65E–.09	10–1	5.8b,5.5		
NEIC	XII	29 03 57 32.9	54.62N	170.65E	10	5.8b,5.5		
ISC-P	XII	29 03 57 32	54.62N	170.65E	24–0	6.1,5.5		
NEIC	XII	29 03 57 33	54.64N	170.64E	10	6.1,5.5		
GFZ	XII	29 03 57 34.0–.14	55N–3.0	171E–2.0	10	6.0,6.0b		
GFZ	XII	29 03 57 33.8	54.66N	170.59E	19	5.6W,6.0b		
MOS	XII	29 03 57 35.8–1.2	54.55N	170.28E	45	5.7b,5.3s		
GCMT	XII	29 03 57 35.5–.10	54.69N–.01	170.54E–.01	12	5.6W,5.3s		
PTWC	XII	29 03 57 35	54.50N	170.70E		5.9,5.3s		
NEIC	XII	29 03 57 40.5	54.44N	170.64E	12	5.6,5.3s		
BGR	XII	29 03 57 43.5	55.45N	169.43E	33	5.7b,4.9s		

ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=10.4km s-min=1.8km az=209.0. hypocenter. manual.
KRSC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=7.2km az=175.0.
IPGP Moment Tensor Solution. NP1:ϕ_s306.00000°,δ65.00000°,λ-160.00000°. NP2:ϕ_s207.00000°
,δ72.00000°,λ-27.00000°.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.1km az=13.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.37 $M_{\theta\theta}$-1.85 $M_{\phi\phi}$2.22 $M_{r\theta}$-0.26 $M_{\theta\phi}$-1.34 $M_{\phi r}$-0.03 NP1:ϕ_s28.10000°,δ84.01000°,λ-4.73000°. NP2:ϕ_s118.59000°,δ85.29000°
,λ-173.99000°. Principal axes: T 2.6188,Plg1.0000°,Azm253.0000°; N -0.3359,Plg82.0000°
,Azm157.0000°; P -2.2829,Plg8.0000°,Azm343.0000° $M_0$2.47000×10^{17}
NEIC Event type se.
ISC-P Moment Tensor Solution. s55 Moment tensor: Scale 10^{18}Nm; M_{rr}0.47±.18 $M_{\theta\theta}$-0.51±.23; $M_{\phi\phi}$0.07±.16; $M_{r\theta}$0.07±.17; $M_{\theta\phi}$0.35±.17; $M_{\phi r}$-0.36±.23; NP1:ϕ_s36.30000°,δ63.00000°
,λ54.70000°. NP2:ϕ_s273.60000°,δ43.40000°,λ138.60000°. $M_0$1.53000×10^{18}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.20 $M_{\theta\theta}$-1.94 $M_{\phi\phi}$3.14 $M_{r\theta}$-0.09 $M_{\theta\phi}$-1.50 $M_{\phi r}$-0.06 NP1:
ϕ_s119.79337°,δ86.10691°,λ-176.74795°. NP2:ϕ_s29.57233°,δ86.75546°,λ-3.89935°.
Principal axes: T 3.5485,Plg0.4577°,Azm74.7030°; N -1.1919,Plg84.9289°,Azm169.8680°
; P -2.3565,Plg5.0503°,Azm344.6625° $M_0$3.12775×10^{17}
MOS Error ellipse: s-maj=4.8km s-min=3.5km az=125.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112290357A. Moment Tensor Solution. s131,c268; s160,c349;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71±.03 $M_{\theta\theta}$-2.35±.03; $M_{\phi\phi}$3.06±.02; $M_{r\theta}$0.71±.07; $M_{\theta\phi}$-1.76±.02; $M_{\phi r}$-0.10±.07; Best double couple: NP1:
ϕ_s208.00000°,δ76.00000°,λ-8.00000°. NP2:ϕ_s300.00000°,δ82.00000°,λ-166.00000°.
Principal axes: T 3.6020,Plg4.0000°,Azm73.0000°; N -0.5500,Plg74.0000°,Azm329.0000°
; P -3.0530,Plg16.0000°,Azm164.0000° $M_0$3.32800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$2.50 $M_{r\theta}$-0.10 $M_{\theta\phi}$-1.83 $M_{\phi r}$-1.06 NP1:ϕ_s114.37000°,δ70.17000°
,λ-179.34000°. NP2:ϕ_s24.14000°,δ89.38000°,λ-19.83000°. Principal axes:
T 3.3986,Plg13.0000°,Azm71.0000°; N -0.7755,Plg70.0000°,Azm202.0000°
; P -2.6231,Plg14.0000°,Azm338.0000° $M_0$3.08000×10^{17}
BGR Event type ke.

(5) Near Islands

ISC	**XII**	**29 09 28 57.9–.52**	**54.55N–.05**	**170.55E–.03**	**12–2**	**4.7b,4.3s**	**532**	**3-145**
AEIC	XII	29 09 28 55.0–1.2	54.53N–.10	170.6E–.10	10–4	4.7b,4.3s		**¶621657131**

MOS	XII	29 09 28 55.8–.96	54.53N	170.53E	11	5.0b,4.2s
BJI	XII	29 09 28 55.0	55.12N	170.80E	7	5.3b,5.1s
IDC	XII	29 09 28 56.2–.46	54.66N	170.63E	0	4.3b,4.3
NEIC	XII	29 09 28 57.9–1.2	54.52N–.10	170.6E–.10	11–4	5.0,5.0b
KRSC	XII	29 09 28 57.1–1.7	54.55N	170.48E	66–26	4.8L,5.0b
GCMT	XII	29 09 28 59.8–.20	53.37N–.02	170.59E–.02	12	5.3W,5.0b
GFZ	XII	29 09 28 59.9–.26	55N–6.0	171E–3.0	10	5.6b,5.1

ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112290929A. Moment Tensor Solution. s32,c39; s97,c138; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.31±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$0.19±.01; $M_{r\theta}$-0.95±.03; $M_{\theta\phi}$0.01±.01; $M_{\phi r}$0.32±.03; Best double couple: NP1:ϕ_s297.00000°,δ6.00000° ,λ-82.00000°. NP2:ϕ_s109.00000°,δ84.00000°,λ-91.00000°. Principal axes: T 0.9320,Plg39.0000°,Azm200.0000°; N 0.1900,Plg1.0000°,Azm109.0000° ; P -1.1230,Plg51.0000°,Azm18.0000° $M_0$1.02800×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(651) North of Severnaya Zemlya

ISC	**XII**	**29 13 58 30.5–.74**	**85.12N–.04**	**93.20E–.04**	**7–4**	**4.8b,4.4s**	**460**	**6-135**
IDC	XII	29 13 58 29.9–.41	85.13N	93.80E	0	4.5b,4.5		**¶621657117**
MOS	XII	29 13 58 30.7–1.1	85.15N	93.43E	19	4.9b,4.5s		
NEIC	XII	29 13 58 30.8–1.2	85.16N–.09	93E–1.0	10–1	5.0b,5.0		
GCMT	XII	29 13 58 31.6–.10	85.19N–.01	92.2E–.10	12	5.1W,5.0		
GFZ	XII	29 13 58 31.9–.26	85N–5.0	94E–4.0	10	5.5b,5.0		
FCIAR	XII	29 13 58 33.4	84.96N	92.33E	10	5.5b,5.0		

ISC Event type se.
IDC Error ellipse: s-maj=10.1km s-min=8.9km az=139.0.
MOS Error ellipse: s-maj=55.7km s-min=4.9km az=88.3.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=15.0km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112291358A. Moment Tensor Solution. s62,c81; s137,c241; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.53±.07 $M_{\theta\theta}$3.90±.07; $M_{\phi\phi}$1.62±.08; $M_{r\theta}$0.30±.20; $M_{\theta\phi}$-2.42±.06; $M_{\phi r}$1.18±.26; Best double couple: NP1:ϕ_s291.00000°,δ44.00000° ,λ-106.00000°. NP2:ϕ_s133.00000°,δ48.00000°,λ-75.00000°. Principal axes: T 5.4480,Plg2.0000°,Azm213.0000°; N 0.3140,Plg11.0000°,Azm303.0000° ; P -5.7720,Plg79.0000°,Azm113.0000° $M_0$5.61000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
FCIAR station SVZ has station magnitude of 3.5. station ZFI2 has station magnitude of 3.6. station OMEGA has station magnitude of 3.5.

(325) Qinghai

ISC	**XII**	**29 21 30 22.2–.42**	**36.94N–.03**	**94.67E–.03**	**11–2**	**4.9b,4.5s**	**719**	**1-98**
BJI	XII	29 21 30 19.9	36.92N	94.65E	10	4.9L,4.7s		**¶621657258**
IDC	XII	29 21 30 20.1–.42	37.05N	94.72E	0	4.8s,4.6b		
MOS	XII	29 21 30 20.6–1.1	36.90N	94.76E	14	5.1b,4.6b		
NEIC	XII	29 21 30 22.2–1.1	37.00N–.07	94.66E–.08	10–1	5.0b,4.6b		
GFZ	XII	29 21 30 23.3–.51	37N–4.0	95E–3.0	11–3	6.6,6.6		
NNC	XII	29 21 30 28.3–3.8	37.43N	94.46E	28–31	4.8b,6.6		

ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=7.7km az=45.0.
MOS Error ellipse: s-maj=5.6km s-min=3.8km az=125.3.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.4km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.0km s-min=5.3km az=37.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=26.1km s-min=17.7km az=39.0.

(153) South Sandwich Islands region

ISC	**XII**	**30 04 58 16.9–.31**	**55.87S–.04**	**28.23W–.04**	**56–2**	**5.8b,5.4s**	**882**	**5-176**
NEIC	XII	30 04 58 15.3	55.89S	28.14W	36	5.8b,5.4s		**¶621883793**
NEIC	XII	30 04 58 15.3	55.89S	28.14W	36	5.8b,5.4s		
BJI	XII	30 04 58 15.4	55.90S	28.20W	43	5.8b,5.7s		
NEIC	XII	30 04 58 15.9–1.8	55.89S–.09	28.1W–.10	41–1	5.9b,5.8		
GFZ	XII	30 04 58 16.3–.13	56S–2.0	28W–2.0	40–1	6.3b,6.2		
GFZ	XII	30 04 58 16.3	55.89S	28.15W	43	5.7W,6.2		
GCMT	XII	30 04 58 18.8–.10	55.87S–.01	27.78W–.01	44–1	5.8W,6.2		
PTWC	XII	30 04 58 18	55.80S	28.10W	56	5.8,6.2		
NEIC	XII	30 04 58 19.9	55.29S	27.96W	40	5.7,6.2		
MOS	XII	30 04 58 19.1–1.1	56.04S	28.59W	76	6.1b,5.1s		
IDC	XII	30 04 58 20.3–1.0	55.88S	28.14W	84–7	5.5,5.2s		

ISC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=13.4km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$2.01 $M_{\phi\phi}$-2.36 $M_{r\theta}$-2.67 $M_{\theta\phi}$1.21 $M_{\phi r}$-4.14 NP1:ϕ_s303.84000°,δ26.98000°,λ3.94000°. NP2:ϕ_s210.32000°,δ88.21000° ,λ116.93000°. Principal axes: T 5.6450,Plg41.0000°,Azm145.0000°; N -0.2273,Plg27.0000° ,Azm29.0000°; P -5.4177,Plg37.0000°,Azm277.0000° $M_0$5.53000×10^{17}
GFZ Error ellipse: s-maj=5.6km s-min=3.6km az=26.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03 $M_{\theta\theta}$1.66 $M_{\phi\phi}$-1.63 $M_{r\theta}$-1.79 $M_{\theta\phi}$1.32 $M_{\phi r}$-4.27 NP1: ϕ_s203.94309°,δ89.92026°,λ114.48641°. NP2:ϕ_s294.11818°,δ24.48654°,λ0.19239°. Principal axes: T 4.9943,Plg40.1277°,Azm136.4817°; N 0.1860,Plg24.4864°,Azm23.9068° ; P -5.1803,Plg39.9803°,Azm271.4558° $M_0$5.08987×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112300458A. Moment Tensor Solution. s111,c162; s148,c305;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.63±.11 $M_{\theta\theta}$2.13±.09; $M_{\phi\phi}$-1.50±.07; $M_{r\theta}$-3.10±.13; $M_{\theta\phi}$1.92±.06; $M_{\phi r}$-4.77±.17; Best double couple: NP1: ϕ_s292.00000°,δ24.00000°,λ-10.00000°. NP2:ϕ_s31.00000°,δ86.00000°,λ-113.00000°. Principal axes: T 6.6140,Plg37.0000°,Azm141.0000°; N -0.6910,Plg23.0000°,Azm33.0000° ; P -5.9220,Plg44.0000°,Azm278.0000° $M_0$6.26800×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26 $M_{\theta\theta}$2.27 $M_{\phi\phi}$-2.01 $M_{r\theta}$-1.09 $M_{\theta\phi}$1.62 $M_{\phi r}$-4.02 NP1:ϕ_s291.05000°,δ33.08000° ,λ-2.73000°. NP2:ϕ_s23.34000°,δ88.51000°,λ-123.05000°. Principal axes: T 4.5381,Plg35.0000°,Azm141.0000°; N 0.7547,Plg33.0000°,Azm24.0000° ; P -5.2928,Plg38.0000°,Azm264.0000° $M_0$4.96000×10^{17}
MOS Error ellipse: s-maj=19.9km s-min=11.7km az=110.0.
IDC Error ellipse: s-maj=15.2km s-min=9.7km az=60.0.

(243) Taiwan region

ISC	**XII**	**30 06 47 08.8–.48**	**23.93N–.02**	**122.53E–.02**	**24–3**	**5.3b,4.8s**	**1430**	**0-178**
MOS	XII	30 06 47 05.7–1.0	24.03N	122.59E	13	5.6b,4.8s		**¶621657274**
BJI	XII	30 06 47 07.0	23.90N	122.50E	20	5.3b,5.2s		
NEIC	XII	30 06 47 08.9–1.3	23.99N–.02	122.50E–.04	21–4	5.4b,5.3		
GFZ	XII	30 06 47 09.0–.10	24N–2.0	123E–2.0	21	7.0,7.0		
ASIES	XII	30 06 47 09.5	23.93N	122.52E	27	5.0W,7.0		
NIED	XII	30 06 47 09.3	23.91N	122.49E	22	5.2W,7.0		
TAP	XII	30 06 47 09.7	23.98N	122.51E	30–0	5.5L,7.0		
IDC	XII	30 06 47 09.9–1.8	24.11N	122.57E	27–11	5.1,4.9b		
JMA	XII	30 06 47 09.3–.25	24N–1.0	122.5E–.50	22–4	5.5,5.2W		
GCMT	XII	30 06 47 11.2–.40	23.84N–.03	122.50E–.03	32–1	5.2W,5.2W		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ASIES Moment Tensor Solution. NP1:ϕ_s296.00000°,δ16.00000°,λ133.00000°. NP2:ϕ_s71.00000° ,δ78.00000°,λ79.00000°.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.45 $M_{\theta\theta}$-3.54 $M_{\phi\phi}$2.09 $M_{r\theta}$4.79 $M_{\theta\phi}$0.67 $M_{\phi r}$2.24 NP1:ϕ_s317.00000°,δ26.00000°,λ160.00000°. NP2:ϕ_s65.00000° ,δ81.00000°,λ65.00000°. $M_0$6.12000×10^{16}
TAP C.
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112300647A. Moment Tensor Solution. s39,c45; s71,c97; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76±.05 $M_{\theta\theta}$-0.68±.03; $M_{\phi\phi}$-0.08±.03; $M_{r\theta}$0.41±.04; $M_{\theta\phi}$0.05±.02; $M_{\phi r}$0.34±.05; Best double couple: NP1:ϕ_s289.00000°,δ33.00000° ,λ121.00000°. NP2:ϕ_s73.00000°,δ62.00000°,λ72.00000°. Principal axes: T 0.9750,Plg67.0000°,Azm308.0000°; N -0.1860,Plg16.0000°,Azm82.0000° ; P -0.7890,Plg16.0000°,Azm177.0000° $M_0$0.88200×10^{17}

(269) Southern Molucca Sea

ISC	**XII**	**30 13 13 19.0–.33**	**0.15S–.03**	**125.23E–.03**	**59–2**	**5.5b,4.8s**	**1176**	**1-163**
BJI	XII	30 13 13 11.8	0.72S	125.45E	50	5.6b,5.3b		**¶621657522**
IDC	XII	30 13 13 16.0–1.4	0.12S	125.15E	30–9	5.2,5.1b		
MOS	XII	30 13 13 15.3–1.1	0.07S	125.10E	39	5.8b,4.7s		
NEIC	XII	30 13 13 17.6–2.1	0.08S–.07	125.25E–.06	42–1	5.9b,5.4		
NEIC	XII	30 13 13 17.9	0.18S	125.27E	37	5.9b,5.4		
NEIC	XII	30 13 13 17.9	0.18S	125.27E	37	5.9b,5.4		
NEIC	XII	30 13 13 18.7	0.18S	125.37E	36	5.5,5.4		
DJA	XII	30 13 13 18.2–.10	0S–1.0	125E–1.0	40	6.0b,5.9		
GFZ	XII	30 13 13 18.6–.10	0S–2.0	125E–2.0	54	5.9b,5.6L		
GFZ	XII	30 13 13 19.4	0.12S	125.31E	37	5.5W,5.6L		
IPGP	XII	30 13 13 19.0	0.17S	125.25E	40	5.6W,5.6L		
GCMT	XII	30 13 13 20.3–.10	0.27S–.01	125.16E–.01	36–0	5.6W,5.6L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.35 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$-0.21 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.85 NP1:ϕ_s45.00000°,δ62.84000°,λ72.91000°. NP2:ϕ_s258.97000°,δ31.74000° ,λ119.81000°. Principal axes: T 1.7351,Plg68.0000°,Azm282.0000°; N 0.0360,Plg15.0000° ,Azm53.0000°; P -1.7711,Plg16.0000°,Azm148.0000° $M_0$1.75000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.97 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$-0.42 $M_{r\theta}$0.20 $M_{\theta\phi}$-1.38 $M_{\phi r}$1.10 NP1:ϕ_s258.06000°,δ39.73000° ,λ125.29000°. NP2:ϕ_s35.44000°,δ58.55000°,λ64.35000°. Principal axes: T 2.4308,Plg66.0000°,Azm257.0000°; N 0.1832,Plg22.0000°,Azm50.0000° ; P -2.6140,Plg10.0000°,Azm144.0000° $M_0$2.53000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.54 $M_{\theta\theta}$-1.31 $M_{\phi\phi}$-0.23 $M_{r\theta}$0.57 $M_{\theta\phi}$-0.87 $M_{\phi r}$1.04 NP1: ϕ_s42.49809°,δ63.23838°,λ70.80768°. NP2:ϕ_s260.20374°,δ32.51387°,λ123.09950°. Principal axes: T 2.0298,Plg66.1591°,Azm277.3914°; N 0.0610,Plg17.0693°,Azm51.4059° ; P -2.0908,Plg16.1337°,Azm146.5018° $M_0$2.06102×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s254.00000°,δ28.00000°,λ120.00000°. NP2:ϕ_s41.00000° ,δ66.00000°,λ75.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112301313A. Moment Tensor Solution. s119,c221; s126,c222;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.47±.05 $M_{\theta\theta}$-1.49±.03; $M_{\phi\phi}$-0.98±.04; $M_{r\theta}$0.58±.04; $M_{\theta\phi}$-1.50±.03; $M_{\phi r}$1.66±.05; Best double couple: NP1: ϕ_s247.00000°,δ32.00000°,λ119.00000°. NP2:ϕ_s33.00000°,δ62.00000°,λ73.00000°. Principal axes: T 3.1380,Plg68.0000°,Azm269.0000°; N 0.0390,Plg15.0000°,Azm41.0000° ; P -3.1830,Plg16.0000°,Azm136.0000° $M_0$3.16000×10^{17}

(189) Southeast of Loyalty Islands

ISC	**XII**	**31 00 50 47.9–.33**	**22.42S–.05**	**170.19E–.05**	**21**	**4.9b**	**172**	**3-148**
GFZ	XII	31 00 50 43.4–.31	22S–4.0	171E–4.0	10	5.7b,5.3		**¶621657649**
IDC	XII	31 00 50 44.7–.66	22.45S	170.37E	0	4.7,4.6b		
NEIC	XII	31 00 50 46.8–1.5	22.47S–.07	170.16E–.07	10–1	5.0b,4.6b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(421) Carlsberg Ridge

ISC	**XII**	**31 02 41 44.1–.55**	**10.75N–.08**	**55.92E–.07**	**10**	**4.4b,3.3s**	**168**	**7-131**
IDC	XII	31 02 41 42.8–.76	10.80N	55.95E	0	4.1,4.0b		**¶621657651**
NEIC	XII	31 02 41 44.4–2.1	10.7N–.10	55.9E–.10	10–1	4.5b,4.0b		
GFZ	XII	31 02 41 46.4–.47	11N–6.0	56E–6.0	10	6.0b,5.7		
DSN	XII	31 02 41 52.0–3.1	11.31N	56.12E	20	5.1b,3.9L		

ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=17.5km az=166.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=16.6km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=15.8km s-min=7.9km az=139.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
DSN Error ellipse: s-maj=34.8km s-min=23.4km az=179.0.

MAJOR INTERMEDIATE FOCUS EARTHQUAKES
60km<h<=300km,M>=5.5

(224) Hokkaido region

ISC	**VII**	**06 06 29 47.5–.30**	**44.74N–.03**	**141.89E–.03**	**249–2**	**4.5b**	**904**	**0-156**
BJI	VII	06 06 29 45.6	44.70N	141.94E	248	5.0b,5.0b		**¶620734458**
MOS	VII	06 06 29 46.5–.95	44.71N	141.90E	252	4.5b,5.0b		
NEIC	VII	06 06 29 47.0–1.8	44.72N–.06	141.9E–.10	242–5	4.5b,5.0b		
GFZ	VII	06 06 29 47.7–.18	45N–2.0	142E–2.0	244–1	4.7b,4.4		
JMA	VII	06 06 29 47.3–.19	44.8N–.80	142E–1.0	253–1	4.6,4.4		
IDC	VII	06 06 29 47.4–.38	44.76N	141.92E	245–3	4.9,4.1b		
NIED	VII	06 06 29 47.3	44.75N	141.94E	253	5.0W,4.1b		
SKHL	VII	06 06 29 48.0–.10	44.80N	142.00E	246–8	5.9,5.9		
GCMT	VII	06 06 29 49.4–.30	44.67N–.02	141.77E–.03	255–3	5.0W,5.9		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. SOYA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.30 $M_{\theta\theta}$-1.30 $M_{\phi\phi}$2.61 $M_{r\theta}$1.52 $M_{\theta\phi}$-1.89 $M_{\phi r}$0.50 NP1:ϕ_s196.00000°,δ63.00000°,λ-28.00000°. NP2:ϕ_s300.00000° ,δ65.00000°,λ-150.00000°. $M_0$3.35000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107060629A. Moment Tensor Solution. s34,c42; s97,c129; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.15 $M_{\theta\theta}$-1.56±.15; $M_{\phi\phi}$3.67±.14; $M_{r\theta}$2.80±.16; $M_{\theta\phi}$-1.29±.13; $M_{\phi r}$0.89±.15; Best double couple: NP1:ϕ_s313.00000°,δ57.00000° ,λ-145.00000°. NP2:ϕ_s202.00000°,δ62.00000°,λ-38.00000°. Principal axes: T 3.9830,Plg3.0000°,Azm258.0000°; N 0.9430,Plg44.0000°,Azm351.0000° ; P -4.9150,Plg46.0000°,Azm165.0000° $M_0$4.44900×10^{16}

(201) Irian Jaya

ISC	**VII**	**07 12 30 48.7–.33**	**3.00S–.03**	**139.60E–.03**	**120–3**	**5.1b**	**717**	**1-150**
BJI	VII	07 12 30 39.8	3.40S	140.07E	93	5.5b,5.2b		**¶620758694**
IDC	VII	07 12 30 47.6–.69	3.03S	139.55E	109–7	5.1,4.7b		
DJA	VII	07 12 30 48.2–.10	3S–2.0	140E–1.0	117–1	5.5,5.4b		
GFZ	VII	07 12 30 48.9	2.98S	139.57E	120	4.9W,5.4b		
NEIC	VII	07 12 30 48.9–1.1	2.99S–.08	139.58E–.07	117–5	5.1b,5.4b		
GFZ	VII	07 12 30 49.4–.44	3S–3.0	140E–4.0	118–4	5.4b,5.1		
GCMT	VII	07 12 30 50.1–.20	2.94S–.01	139.60E–.02	124–2	5.0W,5.1		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.66 $M_{\theta\theta}$-1.85 $M_{\phi\phi}$2.51 $M_{r\theta}$-1.50 $M_{\theta\phi}$-0.52 $M_{\phi r}$-0.89 NP1: ϕ_s133.88623°,δ55.05249°,λ-163.25570°. NP2:ϕ_s34.10800°,δ76.34059°,λ-36.12145°. Principal axes: T 2.7445,Plg13.7724°,Azm88.0866°; N 0.2764,Plg51.7135°,Azm196.1770° ; P -3.0209,Plg34.8921°,Azm348.2440° $M_0$2.89260×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107071230A. Moment Tensor Solution. s33,c41; s119,c175; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.13±.09 $M_{\theta\theta}$-1.94±.10; $M_{\phi\phi}$3.07±.10; $M_{r\theta}$-1.68±.06; $M_{\theta\phi}$-1.06±.11; $M_{\phi r}$-1.26±.07; Best double couple: NP1:ϕ_s130.00000° ,δ54.00000°,λ-160.00000°. NP2:ϕ_s28.00000°,δ74.00000°,λ-38.00000°. Principal axes: T 3.4890,Plg13.0000°,Azm83.0000°; N 0.1630,Plg49.0000°,Azm188.0000° ; P -3.6520,Plg38.0000°,Azm343.0000° M_o3.57000×10^{16}

(282) South of Jawa

ISC	**VII**	**08 11 28 40.6–.47**	**9.12S–.06**	**112.98E–.05**	**63**	**4.2b**	**136**	**1-89**
DJA	VII	08 11 28 37.4–.10	9S–2.0	113E–1.0	10	5.9b,5.4		**¶620928182**
NEIC	VII	08 11 28 40.6–1.7	9.03S–.09	113.00E–.06	61–8	4.4b,5.4		
IDC	VII	08 11 28 43.4–2.7	8.92S	113.12E	86–24	4.1,3.7b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.2km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=21.2km s-min=15.5km az=46.0.

(124) Chile-Bolivia border region

ISC	**VII**	**09 05 05 31.1–.25**	**20.27S–.03**	**68.73W–.03**	**116–2**	**5.5b**	**699**	**0-178**
MOS	VII	09 05 05 28.7–.93	19.98S	68.56W	96	5.5b		**¶620783828**
SJA	VII	09 05 05 30.3–1.0	20.31S	68.86W	123–4	5.0W,4.9L		
NEIC	VII	09 05 05 30.6–1.8	20.32S–.04	68.72W–.08	108–5	5.7b,5.3		
GFZ	VII	09 05 05 30.8	20.37S	68.67W	99	5.2W,5.3		
GFZ	VII	09 05 05 30.8–.17	20S–2.0	69W–3.0	111–2	5.3,5.3b		
VAO	VII	09 05 05 30.1–.36	20.26S	68.62W	111	5.4b,5.3b		
NEIC	VII	09 05 05 31.2	20.33S	68.79W	114	5.4b,5.3b		
NEIC	VII	09 05 05 31.2	20.33S	68.79W	114	5.4b,5.3b		
GUC	VII	09 05 05 31.4–.81	20.34S	68.73W	114–4	5.0L,5.3b		
IDC	VII	09 05 05 32.6–.44	20.21S	68.58W	124–3	5.1,4.7b		
GCMT	VII	09 05 05 35.2–.10	20.29S–.01	68.74W–.01	130–1	5.2W,4.7b		
NEIC	VII	09 05 05 36.2	20.33S	68.79W	110	5.2,4.7b		

ISC Event type se.

MOS Error ellipse: s-maj=14.0km s-min=8.7km az=119.0.

SJA Event type se. Error ellipse: s-maj=2.2km s-min=3.4km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.2km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.72 $M_{\theta\theta}$1.58 $M_{\phi\phi}$5.14 $M_{r\theta}$0.34 $M_{\theta\phi}$0.97 $M_{\phi r}$-7.36 NP1:ϕ_s1.73000°,δ70.45000°,λ-96.00000°. NP2:ϕ_s199.17000°,δ20.42000° ,λ-73.60000°. Principal axes: T 8.7391,Plg25.0000°,Azm96.0000°; N 1.5465,Plg6.0000° ,Azm4.0000°; P -10.2856,Plg64.0000°,Azm262.0000° M_o9.61000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.98 $M_{\theta\theta}$1.67 $M_{\phi\phi}$5.32 $M_{r\theta}$-0.93 $M_{\theta\phi}$-0.13 $M_{\phi r}$-5.00 NP1: ϕ_s175.09623°,δ25.58550°,λ-99.38996°. NP2:ϕ_s5.48588°,δ64.78153°,λ-85.53318°. Principal axes: T 7.1023,Plg19.6633°,Azm92.1333°; N 1.7406,Plg4.0403°,Azm183.5795° ; P -8.8428,Plg69.8921°,Azm284.7037° M_o8.11381×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

VAO Event type se. Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0. Presumed earthquake.

NEIC Event type se.

NEIC Event type se.

GUC Event type se. Error ellipse: s-maj=2.1km s-min=4.6km az=-1.0. Presumed earthquake.

IDC Error ellipse: s-maj=13.7km s-min=9.5km az=58.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107090505A. Moment Tensor Solution. s114,c168; s141,c251;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73±.01 $M_{\theta\theta}$0.09±.01; $M_{\phi\phi}$0.64±.02; $M_{r\theta}$-0.14±.01; $M_{\theta\phi}$-0.08±.01; $M_{\phi r}$-0.60±.01; Best double couple: NP1: ϕ_s162.00000°,δ26.00000°,λ-111.00000°. NP2:ϕ_s5.00000°,δ66.00000°,λ-80.00000°. Principal axes: T 0.8640,Plg20.0000°,Azm88.0000°; N 0.1170,Plg9.0000°,Azm181.0000° ; P -0.9810,Plg68.0000°,Azm293.0000° M_o0.92300×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.31 $M_{\theta\theta}$1.17 $M_{\phi\phi}$5.13 $M_{r\theta}$0.07 $M_{\theta\phi}$-0.39 $M_{\phi r}$-4.42 NP1:ϕ_s172.95000°,δ26.25000° ,λ-93.74000°. NP2:ϕ_s357.12000°,δ63.81000°,λ-88.16000°. Principal axes: T 6.6725,Plg19.0000°,Azm86.0000°; N 1.1473,Plg2.0000°,Azm176.0000° ; P -7.8198,Plg71.0000°,Azm271.0000° M_o7.31000×10^{16}

(269) Southern Molucca Sea

ISC	**VII**	**09 13 31 09.5–.18**	**0.09N–.02**	**123.63E–.03**	**135–1**	**6.0b**	**2245**	**1-176**
BJI	VII	09 13 31 02.2	0.53S	124.10E	135	6.0b,5.9b		**¶620786360**
NEIC	VII	09 13 31 09.3	0.09N	123.72E	118	6.0b,5.9b		
NEIC	VII	09 13 31 09.5–1.9	0.14N–.06	123.66E–.05	120–2	6.0b,5.7		
IPGP	VII	09 13 31 09.0	0.13N	123.71E	128	5.6W,5.7		
MOS	VII	09 13 31 09.2–.98	0.18N	123.56E	142	6.0b,4.6s		
NEIC	VII	09 13 31 09.3	0.09N	123.72E	118	6.0b,4.6s		
GFZ	VII	09 13 31 10.4–.27	0N–2.0	124E–2.0	133–3	6.0b,5.7		
IDC	VII	09 13 31 11.0–.68	0.12N	123.59E	147–5	6.0,5.6b		
DJA	VII	09 13 31 10.2–.10	0N–1.0	124E–1.0	131–1	6.5,6.2b		
PTWC	VII	09 13 31 11	0.00N	123.80E	109	5.5,6.2b		
GCMT	VII	09 13 31 11.4–.10	0.11N	123.66E	138–0	5.7W,6.2b		
GFZ	VII	09 13 31 11.1	0.14N	123.61E	131	5.6W,6.2b		
NEIC	VII	09 13 31 16.9	0.11S	123.72E	120	5.6,6.2b		

ISC Event type se.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.4km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.87 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-0.23 $M_{r\theta}$3.52 $M_{\theta\phi}$1.25 $M_{\phi r}$0.41 NP1:ϕ_s88.31000°,δ84.06000°,λ70.35000°. NP2:ϕ_s342.14000°,δ20.49000° ,λ162.80000°. Principal axes: T 4.0149,Plg47.0000°,Azm338.0000°; N -0.3716,Plg20.0000° ,Azm90.0000°; P -3.6433,Plg36.0000°,Azm195.0000° M_o3.84000×10^{17}

IPGP Moment Tensor Solution. NP1:ϕ_s332.00000°,δ31.00000°,λ140.00000°. NP2:ϕ_s98.00000° ,δ71.00000°,λ65.00000°.

MOS Error ellipse: s-maj=6.9km s-min=4.0km az=113.7.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

IDC Error ellipse: s-maj=8.2km s-min=4.9km az=84.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107091331A. Moment Tensor Solution. s151,c295; s161,c357;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.90±.03 $M_{\theta\theta}$-1.10±.04; $M_{\phi\phi}$-0.79±.04; $M_{r\theta}$3.19±.03; $M_{\theta\phi}$1.85±.03; $M_{\phi r}$0.25±.03; Best double couple: NP1: ϕ_s342.00000°,δ31.00000°,λ149.00000°. NP2:ϕ_s99.00000°,δ75.00000°,λ63.00000°. Principal axes: T 4.2280,Plg52.0000°,Azm336.0000°; N -0.3850,Plg26.0000°,Azm106.0000° ; P -3.8410,Plg25.0000°,Azm209.0000° M_o4.03400×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.12 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-0.62 $M_{r\theta}$2.28 $M_{\theta\phi}$1.57 $M_{\phi r}$0.23 NP1: ϕ_s98.42030°,δ76.71837°,λ56.67157°. NP2:ϕ_s349.16271°,δ35.59157°,λ156.75048°. Principal axes: T 3.0777,Plg47.5154°,Azm333.3040°; N -0.2865,Plg32.3264°,Azm107.0112° ; P -2.7912,Plg24.3658°,Azm213.6659° M_o2.94491×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.04 $M_{\theta\theta}$-0.85 $M_{\phi\phi}$-1.19 $M_{r\theta}$2.49 $M_{\theta\phi}$2.10 $M_{\phi r}$0.14 NP1:ϕ_s347.79000°,δ38.58000° ,λ145.98000°. NP2:ϕ_s105.62000°,δ69.58000°,λ56.53000°. Principal axes: T 3.7779,Plg53.0000°,Azm335.0000°; N -0.1366,Plg31.0000°,Azm119.0000° ; P -3.6412,Plg18.0000°,Azm220.0000° M_o3.71000×10^{17}

(266) Northern Molucca Sea

ISC	**VII**	**10 02 30 58.1–.36**	**2.92N–.04**	**126.68E–.06**	**63**	**4.5b**	**134**	**1-122**
DJA	VII	10 02 30 56.3–.30	3N–3.0	127E–2.0	10	5.5b,5.2b		**¶620928308**
IDC	VII	10 02 30 57.9–1.7	2.77N	126.43E	65–15	4.4,4.1b		
NEIC	VII	10 02 30 59.8–2.1	2.90N–.03	126.70E–.09	77–7	4.6b,4.1b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(277) Jawa

ISC	**VII**	**10 06 04 42.6–1.1**	**8.4S–.10**	**112.31E–.05**	**150**	**3.9b**	**55**	**0-36**
DJA	VII	10 06 04 42.6–.30	8S–7.0	112E–2.0	119–6	5.6b,5.0		**¶620928332**
IDC	VII	10 06 04 55.5–18	8.94S	113.06E	172–137	4.0,3.9L		

ISC Event type se.

IDC Error ellipse: s-maj=141.1km s-min=115.9km az=42.0.

(263) Talaud Islands

ISC	**VII**	**10 10 06 31.2–.37**	**2.89N–.03**	**126.64E–.05**	**66–3**	**4.8b**	**408**	**1-160**
IDC	VII	10 10 06 22.6–.39	2.88N	126.45E	0	4.6b,4.6		**¶620787326**
GFZ	VII	10 10 06 25.2–.28	3N–3.0	127E–5.0	10	5.2,4.9b		
BJI	VII	10 10 06 26.0	2.35N	126.68E	59	5.0b,4.9b		
NEIC	VII	10 10 06 30.4–1.5	2.86N–.06	126.61E–.06	56–4	4.8b,4.9b		
DJA	VII	10 10 06 30.8–.20	3N–2.0	127E–2.0	61–3	5.3b,5.2		
GCMT	VII	10 10 06 31.9–.20	2.89N–.01	126.75E–.01	37–1	5.2W,5.2		
MAN	VII	10 10 06 34.1	3.08N	126.30E	33	5.5b,4.8s		

ISC Event type se.

IDC Error ellipse: s-maj=17.1km s-min=9.0km az=72.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.1km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107101006A. Moment Tensor Solution. s102,c152; s101,c143;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.52±.02 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$-0.56±.01; $M_{r\theta}$-0.15±.02; $M_{\theta\phi}$-0.04±.01; $M_{\phi r}$0.65±.03; Best double couple: NP1: ϕ_s198.00000°,δ21.00000°,λ116.00000°. NP2:ϕ_s351.00000°,δ71.00000°,λ80.00000°. Principal axes: T 0.8530,Plg63.0000°,Azm245.0000°; N 0.0150,Plg9.0000°,Azm354.0000° ; P -0.8680,Plg25.0000°,Azm88.0000° M_o0.86000×10^{17}

MAN Event type fe.

(259) Mindanao

ISC	**VII**	**10 18 45 18.9–.28**	**6.40N–.03**	**124.04E–.03**	**69–2**	**4.9b**	**526**	**1-122**
BJI	VII	10 18 45 18.0	6.45N	124.18E	74	4.9b,4.7s		**¶620787390**
IDC	VII	10 18 45 18.3–.48	6.39N	123.94E	60–4	4.5,4.1b		
MAN	VII	10 18 45 18.3	6.47N	123.94E	31	5.5b,4.7s		
NEIC	VII	10 18 45 19.8–1.1	6.38N–.07	124.04E–.06	77–6	4.9b,4.7s		
GFZ	VII	10 18 45 19.2–.18	6N–2.0	124E–4.0	63	4.9,4.8b		
GCMT	VII	10 18 45 20.4–.30	6.46N–.02	124.06E–.03	72–3	4.8W,4.8b		
DJA	VII	10 18 45 21.3–.20	6N–2.0	124E–1.0	54–2	5.5,5.4b		

ISC Event type se.

MAN Event type fe. INTENSITY IV - KALAMANSIG LEBAK AND PALIMBANG SULTAN KUDARAT; . INTENSITY III - CITY OF COTABATO; . INTENSITY II - PRESIDENT QUIRINO SULTAN KUDARAT; . INTENSITY I - CITY OF ZAMBOANGA.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107101845A. Moment Tensor Solution. s26,c27; s67,c95; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.09±.12 $M_{\theta\theta}$1.46±.09; $M_{\phi\phi}$-0.37±.11; $M_{r\theta}$-0.73±.06; $M_{\theta\phi}$1.07±.08; $M_{\phi r}$0.68±.07; Best double couple: NP1:ϕ_s212.00000°,δ51.00000° ,λ-146.00000°. NP2:ϕ_s99.00000°,δ64.00000°,λ-44.00000°. Principal axes: T 2.0030,Plg8.0000°,Azm158.0000°; N -0.0760,Plg40.0000°,Azm254.0000° ; P -1.9280,Plg49.0000°,Azm59.0000° M_o1.96500×10^{16}

(221) Kuril Islands

ISC	**VII**	**11 21 07 22.2–.39**	**46.39N–.04**	**151.75E–.04**	**78–2**	**4.7b**	**919**	**3-154**
BGR	VII	11 21 07 10.7	44.75N	151.17E	33	4.7b		**¶620787485**
BJI	VII	11 21 07 16.9	46.51N	152.18E	71	5.0b,4.8b		
GFZ	VII	11 21 07 18.8–.23	46N–4.0	152E–4.0	68	4.9,4.9b		
NEIC	VII	11 21 07 22.7–1.2	46.57N–.09	151.7E–.10	73–5	4.7b,4.9b		
SKHL	VII	11 21 07 23.3–.80	46.40N	152.00E	99–6	6.2,6.0b		
MOS	VII	11 21 07 23.2–.96	46.49N	151.72E	76	4.7b,6.0b		
IDC	VII	11 21 07 24.4–1.2	46.66N	151.61E	84–10	4.7,4.2b		
GCMT	VII	11 21 07 25.1–.20	46.57N–.02	151.89E–.02	74–3	4.9W,4.2b		
NIED	VII	11 21 07 26.9	45.77N	151.73E	152	4.9W,4.2b		
JMA	VII	11 21 07 26.9–.92	46N–3.0	152E–6.0	152	5.3,5.1		

ISC Event type ke.

BGR Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107112107A. Moment Tensor Solution. s40,c53; s113,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.32±.14 $M_{\theta\theta}$1.62±.12; $M_{\phi\phi}$-0.29±.12; $M_{r\theta}$-1.93±.07; $M_{\theta\phi}$0.83±.12; $M_{\phi r}$-1.96±.06; Best double couple: NP1:ϕ_s278.00000°,δ21.00000° ,λ-41.00000°. NP2:ϕ_s47.00000°,δ76.00000°,λ-106.00000°. Principal axes: T 3.3640,Plg30.0000°,Azm150.0000°; N -0.2630,Plg16.0000°,Azm51.0000° ; P -3.0970,Plg56.0000°,Azm296.0000° M_o3.23100×10^{16}

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03 $M_{\theta\theta}$1.23 $M_{\phi\phi}$-1.21 $M_{r\theta}$-1.76 $M_{\theta\phi}$0.43 $M_{\phi r}$-1.26 NP1:ϕ_s312.00000°,δ30.00000°,λ-3.00000°. NP2:ϕ_s45.00000° ,δ89.00000°,λ-120.00000°. M_o2.46000×10^{16}

JMA Event type ke. KURILE ISLANDS REGION .

(277) Jawa

ISC	**VII**	**12 06 30 38.4–.45**	**6.30S–.04**	**106.09E–.04**	**150–3**	**4.7b**	**532**	**0-146**
BJI	VII	12 06 30 37.0	6.20S	106.10E	147	4.9b,4.7b		**¶620787527**
GFZ	VII	12 06 30 37.8–.16	6S–3.0	106E–2.0	151–1	5.0b,4.9		
DJA	VII	12 06 30 37.7–.10	6S–2.0	106E–1.0	148–1	5.6b,5.2b		
NEIC	VII	12 06 30 38.6–1.5	6.22S–.09	106.19E–.07	141–4	4.7b,5.2b		
IDC	VII	12 06 30 38.6–.94	6.08S	106.09E	146–7	4.6,4.1b		

ISC Event type se.

GFZ Error ellipse: s-maj=8.2km s-min=2.9km az=31.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.1km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=15.5km s-min=8.3km az=65.0.

(276) Sunda Strait

ISC	**VII**	**13 08 30 13.3–.55**	**6.41S–.05**	**104.34E–.05**	**88–4**	**4.8b**	**321**	**1-145**
DJA	VII	13 08 30 12.9–.20	7S–3.0	104E–2.0	65–5	5.8b,5.3		**¶620805507**
BJI	VII	13 08 30 13.0	6.20S	104.50E	82	4.9b,4.9b		
NEIC	VII	13 08 30 14.3–1.4	6.3S–.10	104.43E–.10	86–8	4.8b,4.9b		
IDC	VII	13 08 30 14.5–3.1	6.30S	104.34E	92–26	4.5,4.1b		
GFZ	VII	13 08 30 15.3–.30	6S–5.0	105E–3.0	92	5.0b,5.0		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(280) Banda Sea

ISC	**VII**	**13 12 45 55.8–.26**	**5.14S–.03**	**130.85E–.04**	**101–2**	**5.2b**	**741**	**1-163**
IDC	VII	13 12 45 56.0–1.4	5.14S	130.87E	98–12	5.3,4.9b		**¶620816268**
NEIC	VII	13 12 45 56.6–1.4	5.10S–.05	130.88E–.08	98–5	5.2b,4.8		
GCMT	VII	13 12 45 56.6–.20	5.11S–.01	130.84E–.02	90–3	5.0W,4.8		
GFZ	VII	13 12 45 56.5–.14	5S–2.0	131E–2.0	100	5.4b,5.2		
DJA	VII	13 12 45 56.9–.10	5S–2.0	131E–1.0	107–4	5.7,5.7b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107131245A. Moment Tensor Solution. s37,c41; s118,c178; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.41±.14 $M_{\theta\theta}$-0.47±.14; $M_{\phi\phi}$-1.95±.13; $M_{r\theta}$2.64±.07; $M_{\theta\phi}$2.91±.12; $M_{\phi r}$0.57±.10; Best double couple: NP1:ϕ_s355.00000°,δ48.00000° ,λ148.00000°. NP2:ϕ_s108.00000°,δ67.00000°,λ47.00000°. Principal axes: T 4.6440,Plg49.0000°,Azm331.0000°; N -0.2060,Plg39.0000°,Azm129.0000° ; P -4.4430,Plg11.0000°,Azm228.0000° M_o4.54300×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(280) Banda Sea

ISC	**VII**	**15 03 44 52.5–.28**	**7.32S–.04**	**128.62E–.04**	**151**	**4.6b**	**294**	**3-151**
BJI	VII	15 03 44 44.8	7.95S	129.14E	149	4.8b,4.7b		**¶620829345**
IDC	VII	15 03 44 51.8–1.3	7.29S	128.65E	142–11	4.5,4.1b		
GFZ	VII	15 03 44 52.6–.23	7S–2.0	129E–2.0	155–3	4.7,4.7b		
DJA	VII	15 03 44 53.2–.10	7S–2.0	129E–1.0	151–3	6.0,5.9		
NEIC	VII	15 03 44 53.3–1.4	7.25S–.08	128.58E–.08	150–6	4.6b,5.9		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC	**VII**	**17 00 53 25.5–.29**	**56.09S–.03**	**27.84W–.04**	**112–2**	**5.4b**	**862**	**5-176**
BJI	VII	17 00 53 22.0	56.10S	27.80W	100	5.3b		**¶621112242**
MOS	VII	17 00 53 24.4–.90	56.08S	27.79W	104	5.8b,4.9s		
NEIC	VII	17 00 53 24.9–1.4	56.07S–.05	27.8W–.10	97–1	5.7,5.5b		
IPGP	VII	17 00 53 25.0	56.13S	27.85W	98	5.7W,5.5b		
NEIC	VII	17 00 53 25	56.10S	27.86W	96	5.7W,5.5b		
NEIC	VII	17 00 53 25	56.09S	27.84W	96	5.7W,5.5b		
GFZ	VII	17 00 53 26.9–.77	56S–3.0	28W–3.0	107–7	5.6,5.4b		
GFZ	VII	17 00 53 27.1	56.07S	27.74W	112	5.7W,5.4b		
GCMT	VII	17 00 53 28.4–.10	56.04S–.01	27.37W–.01	109–0	5.8W,5.4b		
IDC	VII	17 00 53 28.5–.84	56.01S	27.63W	134–6	5.4,5.0b		
NEIC	VII	17 00 53 29.5	55.90S	27.50W	110	5.7,5.0b		

ISC Event type se.

MOS Error ellipse: s-maj=18.1km s-min=9.3km az=106.3.

NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.5km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.09 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$-1.69 $M_{r\theta}$-2.89 $M_{\theta\phi}$2.26 $M_{\phi r}$-0.54 NP1:ϕ_s162.25000°,δ39.09000°,λ137.91000°. NP2:ϕ_s287.28000° ,δ65.00000°,λ58.92000°. Principal axes: T 4.8603,Plg58.0000°,Azm154.0000° ; N -0.6406,Plg28.0000°,Azm302.0000°; P -4.2197,Plg14.0000°,Azm39.0000° $M_0$4.57000×10^{17}

IPGP Moment Tensor Solution. NP1:ϕ_s165.00000°,δ44.00000°,λ149.00000°. NP2:ϕ_s278.00000° ,δ69.00000°,λ50.00000°.

NEIC Event type se.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-1.67 $M_{r\theta}$-2.56 $M_{\theta\phi}$2.25 $M_{\phi r}$-0.50 NP1: ϕ_s175.56441°,δ45.21389°,λ149.12478°. NP2:ϕ_s288.40515°,δ68.64052°,λ49.14940°. Principal axes: T 4.1353,Plg49.0840°,Azm153.4805°; N -0.5244,Plg37.5289°,Azm305.8868° ; P -3.6110,Plg13.9213°,Azm46.8627° $M_0$3.89969×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107170053A. Moment Tensor Solution. s163,c305; s171,c377;Duration: 1τ8 Moment tensor: Scale 10^{17}Nm; M_{rr}2.35±.04 $M_{\theta\theta}$-1.28±.05; $M_{\phi\phi}$-1.07±.05; $M_{r\theta}$-3.25±.03; $M_{\theta\phi}$3.56±.04; $M_{\phi r}$-0.64±.03; Best double couple: NP1: ϕ_s170.00000°,δ45.00000°,λ154.00000°. NP2:ϕ_s279.00000°,δ71.00000°,λ48.00000°. Principal axes: T 5.2740,Plg46.0000°,Azm145.0000°; N -0.0030,Plg40.0000°,Azm295.0000° ; P -5.2710,Plg16.0000°,Azm38.0000° $M_0$5.27200×10^{17}

IDC Error ellipse: s-maj=9.9km s-min=7.9km az=56.0.

NEIC Event type se. Moment Tensor Solution.Duration: 3τ7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.98 $M_{\theta\theta}$-1.58 $M_{\phi\phi}$-0.39 $M_{r\theta}$-3.12 $M_{\theta\phi}$3.27 $M_{\phi r}$-0.43 NP1:ϕ_s166.89000°,δ43.48000° ,λ156.47000°. NP2:ϕ_s274.42000°,δ74.06000°,λ48.99000°. Principal axes: T 4.7404,Plg45.0000°,Azm143.0000°; N 0.2889,Plg39.0000°,Azm288.0000° ; P -5.0293,Plg19.0000°,Azm34.0000° $M_0$4.89000×10^{17}

(259) Mindanao

ISC	**VII**	**18 00 09 35.4–.30**	**6.44N–.02**	**126.26E–.03**	**76–2**	**5.2b**	**785**	**1-178**
MAN	VII	18 00 09 33.1	6.32N	126.39E	50	5.9b,5.4s		**¶620833216**
NEIC	VII	18 00 09 35.7–1.9	6.46N–.06	126.23E–.07	71–4	5.2b,5.1		
GFZ	VII	18 00 09 35.3–.39	7N–2.0	126E–3.0	76–3	5.2b,5.1		
IDC	VII	18 00 09 35.1–.93	6.46N	126.16E	73–7	4.9,4.5b		
GCMT	VII	18 00 09 36.3–.20	6.37N–.01	126.29E–.01	59–1	5.2W,4.5b		
GFZ	VII	18 00 09 37.3	6.49N	126.25E	60	5.0W,4.5b		
DJA	VII	18 00 09 40.7–.40	6N–3.0	126E–2.0	84–8	6.0,5.8b		

ISC Event type se.

MAN Event type fe. INTENSITY V - GOVERNOR GENEROSO DAVAO ORIENTAL ; . INTENSITY IV - BANAYBANAY LUPON CITY OF MATI AND SAN ISIDRO DAVAO ORIENTAL ; . INTENSITY III - MANAY AND TARRAGONA DAVAO ORIENTAL; TAMPAKAN AND TUPI SOUTH COTABATO ; . INTENSITY II - MACO AND MARAGUSAN DAVAO DE ORO; CITY OF PANABO AND CITY OF TAGUM DAVAO DEL NORTE; CITY OF DIGOS AND SANTA CRUZ ; DAVAO DEL SUR; CITY OF DAVAO; MALITA AND SANTA MARIA DAVAO OCCIDENTAL; CARAGA DAVAO ORIENTAL; CITY OF KIDAPAWAN AND MAKILALA ; COTABATO; KIAMBA SARANGANI; CITY OF GENERAL SANTOS ; . INTENSITY I - ARAKAN COTABATO.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107180009A. Moment Tensor Solution. s104,c141; s128,c214;Duration: 1τ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.68±.02 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-0.79±.01; $M_{r\theta}$-0.14±.01; $M_{\theta\phi}$-0.08±.01; $M_{\phi r}$0.49±.01; Best double couple: NP1: ϕ_s199.00000°,δ30.00000°,λ114.00000°. NP2:ϕ_s352.00000°,δ63.00000°,λ77.00000°. Principal axes: T 0.8580,Plg69.0000°,Azm234.0000°; N 0.0830,Plg12.0000°,Azm358.0000° ; P -0.9420,Plg17.0000°,Azm92.0000° $M_0$0.90000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03 $M_{\theta\theta}$2.80 $M_{\phi\phi}$-2.77 $M_{r\theta}$-1.84 $M_{\theta\phi}$-0.51 $M_{\phi r}$2.05 NP1: ϕ_s139.75966°,δ89.99165°,λ-44.18908°. NP2:ϕ_s229.76778°,δ45.81092°,λ-179.98835°. Principal axes: T 4.0027,Plg29.5228°,Azm194.1203°; N -0.1073,Plg45.8109°,Azm319.7511° ; P -3.8954,Plg29.5364°,Azm85.4046° $M_0$3.95017×10^{16}

(173) Tonga Islands

ISC	**VII**	**18 00 36 32.5–.23**	**19.37S–.03**	**175.30W–.03**	**211–1**	**5.5b**	**1390**	**6-177**
MOS	VII	18 00 36 25.1–.74	19.25S	175.38W	222	5.5b		**¶620833218**
IDC	VII	18 00 36 29.5–1.0	19.25S	175.35W	178–8	5.6,5.1b		
GFZ	VII	18 00 36 29.8	19.28S	175.43W	211	5.4W,5.1b		
GFZ	VII	18 00 36 31.2–.48	19S–3.0	175W–3.0	197–4	5.6b,5.4		
BJI	VII	18 00 36 32.5	19.03S	175.20W	213	5.6b,5.5b		
NEIC	VII	18 00 36 33.8–1.4	19.23S–.08	175.35W–.09	216–4	5.4,5.4b		
GCMT	VII	18 00 36 34.1–.10	19.32S–.01	175.02W–.01	205–1	5.4W,5.4b		
NOU	VII	18 00 36 35.2	19.40S	175.37W	237	5.4b,5.4b		

ISC Event type se.

MOS Error ellipse: s-maj=7.6km s-min=7.2km az=157.6.

IDC Error ellipse: s-maj=10.8km s-min=9.8km az=56.0.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.26 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-0.86 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.42 $M_{\phi r}$-0.92 NP1: ϕ_s329.46446°,δ30.86568°,λ13.30092°. NP2:ϕ_s227.99346°,δ83.22159°,λ120.18408°. Principal axes: T 1.3137,Plg43.6634°,Azm167.4294°; N 0.3424,Plg29.9514°,Azm44.0662° ; P -1.6561,Plg31.5674°,Azm293.3315° $M_0$1.51421×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=12.5km s-min=12.2km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107180036A. Moment Tensor Solution. s123,c188; s151,c260;Duration: 1τ3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36±.02 $M_{\theta\theta}$0.13±.03; $M_{\phi\phi}$-0.49±.03; $M_{r\theta}$-1.04±.02; $M_{\theta\phi}$-0.28±.03; $M_{\phi r}$-1.28±.02; Best double couple: NP1: ϕ_s351.00000°,δ11.00000°,λ42.00000°. NP2:ϕ_s219.00000°,δ83.00000°,λ98.00000°. Principal axes: T 1.6430,Plg52.0000°,Azm139.0000°; N 0.1610,Plg8.0000°,Azm38.0000° ; P -1.8040,Plg37.0000°,Azm302.0000° $M_0$1.72300×10^{17}

NOU Tonga Islands.

(265) Minahassa Peninsula, Sulawesi

ISC	**VII**	**18 10 40 01.6–.33**	**0.05N–.03**	**123.75E–.04**	**115–2**	**4.8b**	**500**	**1-162**
BJI	VII	18 10 40 00.0	0.00N	123.80E	112	4.9b,4.9b		**¶620833370**
IDC	VII	18 10 40 00.8–1.0	0.09N	123.63E	109–8	4.7,4.4b		
GCMT	VII	18 10 40 01.7–.30	0.02N–.03	123.88E–.03	95–4	4.8W,4.4b		
NEIC	VII	18 10 40 01.5–1.4	0.01S–.05	123.81E–.06	105–6	4.8b,4.4b		
GFZ	VII	18 10 40 01.5–.31	0N–4.0	124E–3.0	109–3	5.0b,4.9		
DJA	VII	18 10 40 01.9–.10	0N–2.0	124E–1.0	103–2	5.8,5.7		

ISC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107181040A. Moment Tensor Solution. s28,c30; s82,c104; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.67±.09 $M_{\theta\theta}$-0.34±.14; $M_{\phi\phi}$-1.32±.16; $M_{r\theta}$0.06±.07; $M_{\theta\phi}$-1.06±.09; $M_{\phi r}$0.85±.08; Best double couple: NP1:ϕ_s228.00000°,δ36.00000° ,λ114.00000°. NP2:ϕ_s19.00000°,δ58.00000°,λ74.00000°. Principal axes: T 1.9200,Plg72.0000°,Azm249.0000°; N 0.2350,Plg14.0000°,Azm28.0000° ; P -2.1480,Plg11.0000°,Azm121.0000° $M_0$2.03400×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(265) Minahassa Peninsula, Sulawesi

ISC	**VII**	**19 00 55 44.0–.23**	**0.01S–.02**	**123.18E–.03**	**171–1**	**5.3b**	**1474**	**1-176**
NEIC	VII	19 00 55 43.8–1.9	0.00N–.05	123.23E–.06	159–3	5.3b		**¶620833495**
NEIC	VII	19 00 55 43.6	0.02S	123.23E	159	5.3b		
BJI	VII	19 00 55 43.5	0.10N	123.20E	175	5.3b,5.2b		
GFZ	VII	19 00 55 44.8–.25	0N–2.0	123E–2.0	163–3	5.5b,5.2		
NEIC	VII	19 00 55 44.1	0.02S	123.23E	160	5.3,5.2		
IDC	VII	19 00 55 44.3–.51	0.06N	123.12E	172–4	5.4,5.0b		
GCMT	VII	19 00 55 45.2–.10	0.02N–.01	123.16E–.01	161–0	5.3W,5.0b		
MOS	VII	19 00 55 45.1–.86	0.04N	123.12E	197	5.5b,5.0b		
DJA	VII	19 00 55 45.0–.10	0S–1.0	123E–1.0	151–1	5.8,5.7b		
GFZ	VII	19 00 55 45.3	0.01N	123.22E	169	5.2W,5.7b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.9km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Moment Tensor Solution.Duration: 2τ3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.30 $M_{r\theta}$0.88 $M_{\theta\phi}$-0.10 $M_{\phi r}$0.34 NP1:ϕ_s194.32000°,δ12.33000° ,λ40.20000°. NP2:ϕ_s64.78000°,δ82.08000°,λ99.48000°. Principal axes: T 1.0816,Plg52.0000°,Azm346.0000°; N -0.1862,Plg9.0000°,Azm243.0000° ; P -0.8955,Plg36.0000°,Azm146.0000° $M_0$1.00000×10^{17}

IDC Error ellipse: s-maj=8.7km s-min=5.7km az=82.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107190055A. Moment Tensor Solution. s121,c208; s149,c265;Duration: 1τ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36±.01 $M_{\theta\theta}$-0.28±.02; $M_{\phi\phi}$-0.08±.02; $M_{r\theta}$0.97±.01; $M_{\theta\phi}$-0.15±.02; $M_{\phi r}$0.34±.01; Best double couple: NP1: ϕ_s233.00000°,δ10.00000°,λ74.00000°. NP2:ϕ_s70.00000°,δ80.00000°,λ93.00000°. Principal axes: T 1.0890,Plg54.0000°,Azm344.0000°; N -0.0070,Plg3.0000°,Azm250.0000° ; P -1.0810,Plg35.0000°,Azm158.0000° $M_0$1.08500×10^{17}

MOS Error ellipse: s-maj=6.9km s-min=3.8km az=112.5.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.93 $M_{\theta\theta}$-2.70 $M_{\phi\phi}$-0.23 $M_{r\theta}$6.86 $M_{\theta\phi}$0.04 $M_{\phi r}$3.08 NP1: ϕ_s67.79527°,δ80.34474°,λ83.38854°. NP2:ϕ_s282.44261°,δ11.68420°,λ124.08834°. Principal axes: T 8.3265,Plg54.1987°,Azm329.7952°; N -0.6229,Plg6.5174°,Azm68.9089° ; P -7.7036,Plg35.0198°,Azm163.5005° $M_0$8.03316×10^{16}

(259) Mindanao

ISC	**VII**	**19 07 28 07.5–.71**	**7.74N–.03**	**126.59E–.05**	**84–6**	**4.3b**	**136**	**0-149**
DJA	VII	19 07 28 05.1–.80	8N–7.0	127E–4.0	97–9	5.6b,5.0		**¶620833506**
MAN	VII	19 07 28 07.0	7.73N	126.65E	48	5.1b,4.1s		
IDC	VII	19 07 28 08.8–1.8	7.61N	126.53E	92–15	4.2,3.8b		
NEIC	VII	19 07 28 08.2–.74	7.68N–.09	126.49E–.05	100–9	4.4b,3.8b		

ISC Event type se.

MAN Event type fe. INTENSITY III - BAGANGA DAVAO ORIENTAL; . INTENSITY II - MONKAYO AND NABUNTURAN DAVAO DE ORO; CITY OF TAGUM DAVAO DEL NORTE;; CATEEL DAVAO ORIENTAL; . INTENSITY I - CITY OF DAVAO.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(259) Mindanao

ISC	**VII**	**20 20 26 46.8–.24**	**5.55N–.02**	**126.70E–.03**	**96–1**	**5.2b**	**1448**	**1-177**
MOS	VII	20 20 26 42.0–.92	5.63N	126.66E	84	5.5b		**¶620838898**
BJI	VII	20 20 26 44.6	5.60N	126.80E	89	5.1b,5.0b		
MAN	VII	20 20 26 45.2	5.51N	126.84E	57	5.9b,5.3s		
NEIC	VII	20 20 26 46.7	5.60N	126.76E	94	5.9b,5.3s		
GFZ	VII	20 20 26 46.4	5.55N	126.76E	91	5.2W,5.3s		
GFZ	VII	20 20 26 46.4–.11	6N–2.0	127E–3.0	90	5.3b,5.2		
NEIC	VII	20 20 26 46.1–1.6	5.61N–.05	126.74E–.07	88–4	5.1b,5.2		
IDC	VII	20 20 26 47.6–.85	5.60N	126.65E	98–7	5.1,4.7b		
NEIC	VII	20 20 26 47.2	5.70N	127.06E	90	5.2,4.7b		
DJA	VII	20 20 26 47.0–.20	6N–2.0	127E–1.0	95–2	5.7,5.7b		
GCMT	VII	20 20 26 48.0–.10	5.58N–.01	126.75E–.01	95–1	5.2W,5.7b		

ISC Event type se.

MAN Event type fe. INTENSITY I - CITY OF GENERAL SANTOS.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.98 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-6.15 $M_{r\theta}$-1.90 $M_{\theta\phi}$-1.82 $M_{\phi r}$3.28 NP1: ϕ_s218.22429°,δ37.99445°,λ131.94114°. NP2:ϕ_s349.47671°,δ62.74885°,λ62.43179°. Principal axes: T 6.8290,Plg61.7667°,Azm215.7062°; N 0.4104,Plg24.2951°,Azm2.9213° ; P -7.2393,Plg13.5015°,Azm99.1437° $M_0$7.04311×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se. Moment Tensor Solution.Duration: 1τ9 Moment tensor: Scale 10^{16}Nm; M_{rr}7.08 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-6.70 $M_{r\theta}$-1.96 $M_{\theta\phi}$3.35 $M_{\phi r}$0.64 NP1:ϕ_s169.95000°,δ41.47000° ,λ110.17000°. NP2:ϕ_s323.84000°,δ51.56000°,λ73.06000°. Principal axes: T 7.5694,Plg76.0000°,Azm177.0000°; N 0.7018,Plg13.0000°,Azm335.0000° ; P -8.2713,Plg5.0000°,Azm66.0000° $M_0$7.94000×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107202026A. Moment Tensor Solution. s116,c169; s151,c273;Duration: 1τ0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.87±.11 $M_{\theta\theta}$1.58±.11; $M_{\phi\phi}$-6.45±.11; $M_{r\theta}$-3.28±.07; $M_{\theta\phi}$-0.10±.11; $M_{\phi r}$3.93±.09; Best double couple: NP1: ϕ_s207.00000°,δ34.00000°,λ137.00000°. NP2:ϕ_s335.00000°,δ68.00000°,λ64.00000°. Principal axes: T 7.7370,Plg59.0000°,Azm208.0000°; N 0.0340,Plg24.0000°,Azm345.0000° ; P -7.7710,Plg19.0000°,Azm84.0000° $M_0$7.75400×10^{16}

(190) New Ireland region

ISC	**VII**	**23 06 16 04.0–.26**	**4.69S–.03**	**153.07E–.04**	**61–2**	**5.2b**	**730**	**1-158**
IDC	VII	23 06 15 55.3–.34	4.70S	153.15E	0	5.0b,5.0		**¶621112259**
MOS	VII	23 06 16 01.4–.98	4.65S	153.01E	55	5.4b,4.7s		
GFZ	VII	23 06 16 02.6	4.64S	152.93E	49	5.5W,4.7s		
GFZ	VII	23 06 16 02.6–.43	5S–3.0	153E–4.0	54–4	5.3,5.2b		
BJI	VII	23 06 16 03.0	4.60S	153.00E	60	5.3b,5.1b		
NEIC	VII	23 06 16 03.8–1.2	4.68S–.07	153.02E–.07	57–5	5.5,5.2b		
DJA	VII	23 06 16 04.3–.40	5S–4.0	153E–3.0	59–4	5.8b,5.8		
GCMT	VII	23 06 16 05.8–.10	4.71S–.01	152.99E–.01	46–0	5.5W,5.8		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.53 $M_{\theta\theta}$1.34 $M_{\phi\phi}$-1.87 $M_{r\theta}$-0.57 $M_{\theta\phi}$-0.68 $M_{\phi r}$-0.74 NP1: ϕ_s326.01680°,δ60.76199°,λ5.01776°. NP2:ϕ_s233.56116°,δ85.62285°,λ150.66813°. Principal axes: T 1.6546,Plg23.5373°,Azm185.8135°; N 0.6074,Plg60.3721°,Azm45.8262° ; P -2.2620,Plg16.9424°,Azm283.4387° $M_0$2.02772×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107230616A. Moment Tensor Solution. s124,c202; s157,c300;Duration: 1τ4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.03 $M_{\theta\theta}$1.75±.03; $M_{\phi\phi}$-2.49±.03; $M_{r\theta}$0.18±.04; $M_{\theta\phi}$-0.74±.03; $M_{\phi r}$-1.17±.04; Best double couple: NP1: ϕ_s56.00000°,δ63.00000°,λ177.00000°. NP2:ϕ_s147.00000°,δ88.00000°,λ27.00000°. Principal axes: T 2.0160,Plg20.0000°,Azm15.0000°; N 0.9430,Plg63.0000°,Azm152.0000° ; P -2.9590,Plg17.0000°,Azm278.0000° $M_0$2.48800×10^{17}

(250) Mindoro

ISC	**VII**	**23 20 48 57.9–.15**	**13.69N–.02**	**120.68E–.02**	**121–1**	**6.4b**	**3153**	**0-179**
BGR	VII	23 20 48 21.7	8.98N	124.22E	124	7.4,5.4b		**¶620845493**
BJI	VII	23 20 48 56.8	13.75N	120.80E	100	7.0b,6.3b		
IPGP	VII	23 20 48 57.0	13.70N	120.71E	116	6.7W,6.3b		
NEIC	VII	23 20 48 57.4–2.0	13.71N–.06	120.73E–.07	110–1	6.7,6.5b		
NEIC	VII	23 20 48 57.5	13.70N	120.71E	112	6.7,6.5b		
MAN	VII	23 20 48 57.9	13.68N	120.55E	119	6.6s,6.6b		

MOS	VII	23 20 48 57.8–.85	13.68N	120.80E	134	6.6b,6.1s
IDC	VII	23 20 48 59.0–.41	13.67N	120.70E	128–3	6.2,5.9s
NEIC	VII	23 20 48 58	13.69N	120.69E	108	6.2,5.9s
GFZ	VII	23 20 48 59.9–.20	14N–1.0	121E–2.0	130–2	6.9b,6.8
GFZ	VII	23 20 48 59.9	13.66N	120.74E	122	6.6W,6.8
DJA	VII	23 20 48 59.6–.30	14N–1.0	121E–2.0	130–3	6.9b,6.8
PTWC	VII	23 20 49 00	13.80N	120.70E	142	0.0,6.8
GCMT	VII	23 20 49 01.7–.00	13.76N	120.59E	120–0	6.6W,6.8
NEIC	VII	23 20 49 11.2	13.69N	120.79E	100	6.7,6.8

ISC Event type ke.
BGR Event type ke.
IPGP Moment Tensor Solution. NP1:ϕ_s108.00000°,δ45.00000°,λ54.00000°. NP2:ϕ_s335.00000°,δ55.00000°,λ121.00000°.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.0km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-0.79 $M_{r\theta}$0.28 $M_{\theta\phi}$0.46 $M_{\phi r}$0.53 NP1:ϕ_s352.09000°,δ57.66000°,λ114.63000°. NP2:ϕ_s131.49000°,δ39.82000°,λ56.65000°. Principal axes: T 1.2763,Plg67.0000°,Azm311.0000°; N -0.1749,Plg21.0000°,Azm158.0000°; P -1.1014,Plg9.0000°,Azm65.0000° $M_0$1.20000×10^{19}
NEIC Event type se.
MAN Event type fe. INTENSITY VI - CALATAGAN BATANGAS; LOOC LUBANG AND MAMBURAO OCCIDENTAL MINDORO ; . INTENSITY V - BALAYAN BAUAN CALACA LEMERY MABINI NASUGBU SAN PASCUAL TAAL AND TINGLOY BATANGAS; CARMONA AND CITY OF ; DASMARINAS CAVITE; ABRA DE ILOG MAGSAYSAY PALUAN AND SABLAYAN OCCIDENTAL MINDORO; CITY OF CALAPAN PUERTO GALERA AND SAN ; TEODORO ORIENTAL MINDORO ; . INTENSITY IV - CITY OF MALABON; CITY OF MANILA; CITY OF MARIKINA; CITY OF NAVOTAS; QUEZON CITY; PASAY CITY; PATEROS; CITY OF VALENZUELA; ; HERMOSA BATAAN; CITY OF MALOLOS CITY OF MEYCAUAYAN OBANDO AND PLARIDEL BULACAN; BATANGAS CITY CITY OF LIPA CITY OF STO. TOMAS ; AND TALISAY BATANGAS; AMADEO INDANG AND MENDEZ-NUNEZ CAVITE; CITY OF SANTA ROSA LAGUNA; BOAC MARINDUQUE; CALINTAAN ; OCCIDENTAL MINDORO; BULALACAO MANSALAY NAUJAN PINAMALAYAN AND POLA ORIENTAL MINDORO ; . INTENSITY III - CITY OF LAS PINAS; CITY OF MAKATI; CITY OF MANDALUYONG; CITY OF PASIG; CITY OF TAGUIG; CITY OF SAN JOSE DEL MONTE BULACAN; ; CAVINTI AND LOS BANOS LAGUNA; DOLORES AND CITY OF TAYABAS QUEZON; BINANGONAN RODRIGUEZ AND SAN MATEO RIZAL ; . INTENSITY II - CITY OF CALOOCAN; CITY OF ALAMINOS PANGASINAN; LUCBAN MULANAY AND SAN FRANCISCO QUEZON; TANAY RIZAL ; . INTENSITY I - GUINAYANGAN QUEZON; CORON AND CUYO PALAWAN; KALIBO AND MALINAO AKLAN.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=115.2.
IDC Error ellipse: s-maj=8.4km s-min=5.3km az=77.0.
NEIC Event type se.
GFZ Error ellipse: s-maj=4.1km s-min=2.9km az=92.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}8.26 $M_{\theta\theta}$-3.11 $M_{\phi\phi}$-5.16 $M_{r\theta}$2.14 $M_{\theta\phi}$4.89 $M_{\phi r}$2.72 NP1:ϕ_s121.22225°,δ46.19455°,λ60.18891°. NP2:ϕ_s340.83773°,δ51.23027°,λ117.39843°. Principal axes: T 9.5959,Plg68.7887°,Azm314.9107°; N -0.4303,Plg21.0256°,Azm142.8561°; P -9.1656,Plg2.6757°,Azm51.8268° $M_0$9.38814×10^{18}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107232048A. Moment Tensor Solution. s175,c470; s177,c857;Duration: 5ŝ1 Moment tensor: Scale 10^{19}Nm; M_{rr}0.91±.00 $M_{\theta\theta}$-0.49±.00; $M_{\phi\phi}$-0.41±.00; $M_{r\theta}$0.21±.00; $M_{\theta\phi}$0.61±.00; $M_{\phi r}$0.54±.00; Best double couple: NP1:ϕ_s109.00000°,δ45.00000°,λ50.00000°. NP2:ϕ_s338.00000°,δ57.00000°,λ122.00000°. Principal axes: T 1.2020,Plg62.0000°,Azm303.0000°; N -0.1150,Plg27.0000°,Azm140.0000°; P -1.0870,Plg7.0000°,Azm46.0000° $M_0$1.14400×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 11ŝ0 Moment tensor: Scale 10^{19}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.18 $M_{\theta\phi}$0.60 $M_{\phi r}$0.51 NP1:ϕ_s117.19000°,δ42.10000°,λ57.45000°. NP2:ϕ_s337.90000°,δ55.59000°,λ115.93000°. Principal axes: T 1.2724,Plg68.0000°,Azm302.0000°; N -0.1152,Plg21.0000°,Azm143.0000°; P -1.1572,Plg7.0000°,Azm50.0000° $M_0$1.22000×10^{19}

(250) Mindoro

ISC	**VII**	**23 20 57 18.4–.19**	**13.74N–.02**	**120.61E–.03**	**124–1**	**5.6b**	**1316**	**0-177**
BJI	VII	23 20 57 17.9	13.79N	120.80E	132	5.7b		**¶620845494**
MOS	VII	23 20 57 17.9–.84	13.80N	120.81E	135	5.6b		
IDC	VII	23 20 57 18.3–.43	13.75N	120.76E	123–3	5.4,5.4s		
NEIC	VII	23 20 57 18.7–1.7	13.80N–.05	120.74E–.08	121–3	5.5b,5.4s		
MAN	VII	23 20 57 18.6	13.76N	120.52E	105	5.9b,5.5s		
DJA	VII	23 20 57 19.6–.30	14N–2.0	121E–3.0	121–5	7.0b,6.9		
NEIC	VII	23 20 57 20.5	13.85N	120.72E	131	7.0b,6.9		
GFZ	VII	23 20 57 21.1–.19	14N–3.0	121E–3.0	145	6.2,5.7b		
GCMT	VII	23 20 57 21.7–.30	13.84N–.02	120.55E–.03	106–4	5.8W,5.7b		
NEIC	VII	23 20 57 28	13.85N	120.72E	130	5.8,5.7b		

ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=5.3km az=105.5.
IDC Error ellipse: s-maj=10.6km s-min=6.1km az=73.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.8km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY V - CALATAGAN BATANGAS; . INTENSITY IV - BALAYAN CALACA LEMERY MABINI NASUGBU AND TINGLOY BATANGAS; . INTENSITY III - CITY OF MAKATI; CITY OF MANILA; QUEZON CITY; PATEROS; HERMOSA BATAAN; ; BATANGAS CITY BAUAN SAN PASCUAL AND TAAL; BATANGAS; AMADEO NAIC AND CITY OF TAGAYTAY CAVITE; CITY OF SANTA ROSA LAGUNA; ; LUBANG AND MAMBURAO OCCIDENTAL MINDORO; GLORIA; PUERTO GALERA AND SAN TEODORO ORIENTAL MINDORO; . INTENSITY II - CITY OF MALABON; CITY OF MANDALUYONG; CITY OF NAVOTAS; PASAY CITY; CITY OF ; VALENZUELA; CITY OF LIPA BATANGAS; CAVINTI AND LOS; BANOS LAGUNA; DOLORES AND CITY OF TAYABAS QUEZON; BINANGONAN AND RODRIGUEZ RIZAL; ; BOAC MARINDUQUE; CALINTAAN MAGSAYSAY AND; PALUAN OCCIDENTAL MINDORO; BULALACAO NAUJAN AND PINAMALAYAN ORIENTAL MINDORO; . INTENSITY I - GUINAYANGAN AND LUCBAN QUEZON.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107232057A. Moment Tensor Solution. s110,c185; Duration: 2ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}3.97±.28 $M_{\theta\theta}$-1.73±.25; $M_{\phi\phi}$-2.24±.34; $M_{r\theta}$1.09±.15; $M_{\theta\phi}$4.55±.22; $M_{\phi r}$3.75±.18; Best double couple: NP1:ϕ_s105.00000°,δ46.00000°,λ35.00000°. NP2:ϕ_s349.00000°,δ66.00000°,λ130.00000°. Principal axes: T 6.8890,Plg52.0000°,Azm306.0000°; N 0.0550,Plg36.0000°,Azm149.0000°; P -6.9440,Plg11.0000°,Azm51.0000° $M_0$6.91600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.31 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-3.66 $M_{r\theta}$1.28 $M_{\theta\phi}$3.31 $M_{\phi r}$3.65 NP1:ϕ_s120.05000°,δ39.72000°,λ42.13000°. NP2:ϕ_s355.22000°,δ64.62000°,λ121.64000°. Principal axes: T 6.5897,Plg58.0000°,Azm309.0000°; N -0.2040,Plg28.0000°,Azm160.0000°; P -6.3857,Plg14.0000°,Azm63.0000° $M_0$6.49000×10^{17}

(224) Hokkaido region

ISC	**VII**	**26 02 16 16.3–.26**	**41.46N–.03**	**142.10E–.03**	**64–1**	**5.3b**	**1449**	**1-155**
MOS	VII	26 02 16 14.8–.90	41.50N	142.12E	60	5.8b		**¶620846035**
BJI	VII	26 02 16 14.0	41.41N	142.13E	69	5.6b,5.5b		
NEIC	VII	26 02 16 15.8–1.5	41.48N–.03	142.06E–.04	56–4	5.3b,5.5b		
NEIC	VII	26 02 16 15.6	41.49N	142.05E	52	5.3b,5.5b		
BGR	VII	26 02 16 16.3	41.91N	142.41E	72–1	5.8,5.5b		
JMA	VII	26 02 16 16.2–.07	41.5N–.30	142.1E–.30	52–0	5.2,5.2W		
NIED	VII	26 02 16 16.2	41.48N	142.14E	52	5.2W,5.2W		
NEIC	VII	26 02 16 16.1	41.49N	142.85E	60	5.2,5.2W		
IDC	VII	26 02 16 17.5–.89	41.46N	142.07E	69–7	5.4,5.1b		
GFZ	VII	26 02 16 17.8–.32	42N–3.0	142E–4.0	72–3	5.6b,5.5		
GFZ	VII	26 02 16 18.1	41.51N	142.07E	76	5.2W,5.5		
GCMT	VII	26 02 16 18.3–.10	41.47N–.01	142.17E–.01	54–0	5.2W,5.5		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
BGR Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.74 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$-3.08 $M_{r\theta}$3.19 $M_{\theta\phi}$-1.22 $M_{\phi r}$5.94 NP1:ϕ_s198.00000°,δ14.00000°,λ81.00000°. NP2:ϕ_s27.00000°,δ76.00000°,λ92.00000°. $M_0$7.67000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ9 Moment tensor: Scale 10^{16}Nm; M_{rr}6.77 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-6.47 $M_{r\theta}$2.13 $M_{\theta\phi}$-2.88 $M_{\phi r}$1.52 NP1:ϕ_s189.10000°,δ37.83000°,λ70.54000°. NP2:ϕ_s33.20000°,δ54.67000°,λ104.51000°. Principal axes: T 7.3964,Plg75.0000°,Azm348.0000°; N 0.5408,Plg12.0000°,Azm205.0000°; P -7.9373,Plg9.0000°,Azm113.0000° $M_0$7.68000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.58 $M_{\theta\theta}$3.12 $M_{\phi\phi}$-4.70 $M_{r\theta}$2.30 $M_{\theta\phi}$-0.53 $M_{\phi r}$6.93 NP1:ϕ_s142.23874°,δ19.43109°,λ30.01892°. NP2:ϕ_s23.65362°,δ80.41959°,λ106.98507°. Principal axes: T 6.8172,Plg51.6760°,Azm313.1110°; N 2.5814,Plg16.7411°,Azm200.7434°; P -9.3986,Plg33.3085°,Azm99.3438° $M_0$8.41042×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107260216A. Moment Tensor Solution. s114,c202; s154,c275;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69±.01 $M_{\theta\theta}$-0.07±.01; $M_{\phi\phi}$-0.62±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$-0.19±.01; $M_{\phi r}$0.45±.01; Best double couple: NP1:ϕ_s190.00000°,δ27.00000°,λ78.00000°. NP2:ϕ_s24.00000°,δ64.00000°,λ96.00000°. Principal axes: T 0.8640,Plg71.0000°,Azm307.0000°; N -0.0200,Plg5.0000°,Azm201.0000°; P -0.8440,Plg18.0000°,Azm109.0000° $M_0$0.85400×10^{17}

(221) Kuril Islands

ISC	**VII**	**26 14 51 11.8–.50**	**44.40N–.04**	**148.31E–.05**	**84–3**	**4.5b**	**428**	**1-134**
IDC	VII	26 14 51 11.4–2.1	44.52N	148.18E	75–19	4.3,4.1b		**¶620846778**
MOS	VII	26 14 51 11.2–1.2	44.41N	148.29E	90	4.6b,4.1b		
GFZ	VII	26 14 51 12.3–.24	44N–3.0	148E–4.0	92	4.6b,4.6		
SKHL	VII	26 14 51 12.0–.20	44.40N	148.40E	94–8	6.3,5.5b		
JMA	VII	26 14 51 13.9–.37	44N–1.0	148E–2.0	109	4.7,5.5b		
NEIC	VII	26 14 51 14.4–1.0	44.46N–.08	148.2E–.10	97–6	4.5b,5.5b		

ISC Event type ke.
MOS Event type fe. Felt (III) at Malokuril'skoe. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type fe. SE OFF ETOROFU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(263) Talaud Islands

ISC	**VII**	**30 17 52 04.9–.32**	**3.91N–.03**	**127.80E–.04**	**115–2**	**4.8b**	**496**	**1-124**
BJI	VII	30 17 51 58.5	3.50N	128.12E	104	4.7b		**¶620913676**
MAN	VII	30 17 52 02.0	3.86N	127.87E	103	5.6b,4.9s		
NEIC	VII	30 17 52 04.7–1.0	3.93N–.06	127.86E–.08	115–6	4.8b,4.9s		
IDC	VII	30 17 52 04.4–1.1	3.89N	127.90E	109–10	4.7,4.3b		
GFZ	VII	30 17 52 06.0–.44	4N–3.0	128E–4.0	127–4	5.1b,5.0		
DJA	VII	30 17 52 05.5–.20	4N–2.0	128E–1.0	110–2	5.5,5.5b		

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(224) Hokkaido region

ISC	**VII**	**31 05 26 05.3–.24**	**43.39N–.03**	**141.72E–.03**	**173–1**	**5.0b**	**1434**	**0-156**
BJI	VII	31 05 26 02.1	43.42N	141.91E	167	5.0b,4.9b		**¶620923888**
MOS	VII	31 05 26 04.7–.77	43.38N	141.70E	178	5.3b,4.9b		
GFZ	VII	31 05 26 05.4–.10	43N–2.0	142E–3.0	168	5.4b,5.1b		
NIED	VII	31 05 26 05.8	43.30N	141.77E	176	5.0W,5.1b		
NEIC	VII	31 05 26 05.1–1.2	43.35N–.05	141.6E–.10	168–4	5.0b,5.1b		
NEIC	VII	31 05 26 05.1	43.35N	141.62E	168	5.0b,5.1b		
GFZ	VII	31 05 26 05.4	43.35N	141.74E	177	5.0W,5.1b		
IDC	VII	31 05 26 05.5–.39	43.41N	141.69E	172–3	5.1,4.6b		
JMA	VII	31 05 26 05.8–.17	43.3N–.60	141.8E–.90	176–1	5.1,5.0W		
SKHL	VII	31 05 26 06.6–.20	43.50N	141.80E	171–2	6.2,5.7		
GCMT	VII	31 05 26 07.5–.20	43.34N–.01	141.71E–.02	174–1	5.1W,5.7		
NEIC	VII	31 05 26 08.6	43.25N	141.76E	170	5.0,5.7		
BGR	VII	31 05 26 10.5	43.87N	141.79E	178–1	5.4b,5.7		

ISC Event type ke.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=115.2.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.64 $M_{\theta\theta}$1.01 $M_{\phi\phi}$-1.65 $M_{r\theta}$2.36 $M_{\theta\phi}$-0.13 $M_{\phi r}$2.05 NP1:ϕ_s147.00000°,δ24.00000°,λ13.00000°. NP2:ϕ_s45.00000°,δ85.00000°,λ113.00000°. $M_0$3.44000×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14 $M_{\theta\theta}$1.02 $M_{\phi\phi}$-0.89 $M_{r\theta}$2.64 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.85 NP1:ϕ_s144.47044°,δ18.40873°,λ-2.15765°. NP2:ϕ_s236.51778°,δ89.31877°,λ-108.39656°. Principal axes: T 3.3087,Plg41.4920°,Azm343.8506°; N 0.1705,Plg18.3952°,Azm236.7443°; P -3.4793,Plg42.7913°,Azm128.8139° $M_0$3.39719×10^{16}
IDC Error ellipse: s-maj=6.8km s-min=5.9km az=98.0.
JMA Event type fe. ISHIKARI DEPRESSION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107310526A. Moment Tensor Solution. s51,c64; s122,c184; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27±.15 $M_{\theta\theta}$2.75±.16; $M_{\phi\phi}$-2.48±.15; $M_{r\theta}$3.97±.12; $M_{\theta\phi}$1.28±.15; $M_{\phi r}$3.35±.11; Best double couple: NP1:ϕ_s127.00000°,δ27.00000°,λ-6.00000°. NP2:ϕ_s222.00000°,δ87.00000°,λ-117.00000°. Principal axes: T 6.5080,Plg36.0000°,Azm336.0000°; N -1.3190,Plg27.0000°,Azm224.0000°; P -5.1890,Plg41.0000°,Azm107.0000° $M_0$5.84900×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ6 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.06 $M_{\theta\theta}$1.27 $M_{\phi\phi}$-1.22 $M_{r\theta}$2.55 $M_{\theta\phi}$-0.43 $M_{\phi r}$2.11 NP1:ϕ_s141.90000°,δ21.60000°,λ-0.06000°. NP2:ϕ_s231.96000°,δ89.98000°,λ-111.60000°. Principal axes: T 3.4683,Plg41.0000°,Azm342.0000°; N 0.1808,Plg22.0000°,Azm232.0000°; P -3.6491,Plg41.0000°,Azm122.0000° $M_0$3.56000×10^{16}
BGR Event type ke.

(267) Halmahera

ISC	**VIII**	**02 15 04 24.7–.26**	**1.79N–.03**	**127.42E–.03**	**127–2**	**5.2b**	**1011**	**0-159**
BJI	VIII	02 15 04 18.9	1.35N	127.78E	124	5.3b,5.2b		**¶620929568**
IDC	VIII	02 15 04 24.8–.87	1.78N	127.33E	128–7	5.1,4.6b		
NEIC	VIII	02 15 04 24.7–1.9	1.84N–.05	127.38E–.06	122–2	5.1,5.1b		
GFZ	VIII	02 15 04 25.9–.31	2N–2.0	127E–3.0	132–3	5.5b,5.2		
DJA	VIII	02 15 04 25.0–.10	2N–1.0	127E–1.0	122–1	5.8b,5.7		
GFZ	VIII	02 15 04 26.0	1.80N	127.45E	126	5.0W,5.7		
GCMT	VIII	02 15 04 26.7–.20	1.82N–.01	127.35E–.01	136–1	5.2W,5.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.00 $M_{\theta\theta}$1.55 $M_{\phi\phi}$-1.54 $M_{r\theta}$-2.36 $M_{\theta\phi}$-0.45 $M_{\phi r}$-2.80 NP1:ϕ_s317.74528°,δ22.79320°,λ3.34357°. NP2:ϕ_s224.66229°,δ88.70531°,λ112.75836°. Principal axes: T 3.6587,Plg41.9025°,Azm156.2252°; N 0.6084,Plg22.7522°,Azm44.1192°; P -4.2672,Plg39.4876°,Azm293.9033° $M_0$3.99782×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108021504A. Moment Tensor Solution. s87,c115; s123,c208;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.29±.17 $M_{\theta\theta}$3.81±.17; $M_{\phi\phi}$-3.52±.19; $M_{r\theta}$-3.41±.12; $M_{\theta\phi}$-1.10±.17; $M_{\phi r}$-5.68±.14; Best double couple: NP1:ϕ_s314.00000°,δ29.00000°,λ0.00000°. NP2:ϕ_s223.00000°,δ90.00000°,λ119.00000°. Principal axes: T 6.2800,Plg38.0000°,Azm159.0000°; N 2.2480,Plg29.0000°,Azm43.0000°; P -8.5260,Plg38.0000°,Azm288.0000° $M_0$7.40300×10^{16}

(224) Hokkaido region

ISC	**VIII**	**03 04 38 59.3–.32**	**42.86N–.03**	**141.00E–.03**	**147–2**	**4.6b**	**675**	**0-156**
BJI	VIII	03 04 38 57.5	42.87N	141.04E	153	5.3b,4.8b		**¶620930456**
MOS	VIII	03 04 38 57.5–1.1	42.92N	140.98E	138	4.9b,4.8b		
IDC	VIII	03 04 38 59.3–.45	42.87N	140.97E	147–3	4.8,4.4b		
JMA	VIII	03 04 38 59.8–.14	42.8N–.50	141.0E–.70	145–1	4.5,4.3		
GFZ	VIII	03 04 38 59.9–.29	43N–3.0	141E–5.0	151–4	4.9b,4.9		

NEIC VIII 03 04 38 59.3–1.1 42.82N–.05 140.96E–.10 146–5 4.5b,4.9
SKHL VIII 03 04 39 00.5–.30 42.80N 141.10E 148–2 6.6,5.7b
ISC Event type ke.
MOS Error ellipse: s-maj=6.0km s-min=4.4km az=107.6.
IDC Error ellipse: s-maj=7.6km s-min=6.4km az=138.0.
JMA Event type fe. SHIRIBESHI REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.7km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(287) Sumba region

ISC	**VIII**	**03 19 44 32.0–.27**	**9.20S–.03**	**119.33E–.03**	**86–2**	**4.9b**	**656**	**1-154**
BJI	VIII	03 19 44 30.2	9.30S	119.30E	90	4.9b,4.9b		**¶620965842**
GFZ	VIII	03 19 44 32.5–.13	9S–2.0	119E–1.0	82	5.1b,4.9		
NEIC	VIII	03 19 44 32.2–2.5	9.17S–.06	119.25E–.05	82–6	5.0b,4.9		
DJA	VIII	03 19 44 32.4–.10	9S–1.0	119E–1.0	83–2	5.7,5.5b		
GCMT	VIII	03 19 44 33.0–.30	9.25S–.02	119.44E–.03	83–6	4.8W,5.5b		
IDC	VIII	03 19 44 34.1–1.2	9.10S	119.57E	105–10	4.8,4.4b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.2km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108031944A. Moment Tensor Solution. s9,c10; s81,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.76±.11 $M_{\theta\theta}$-0.06±.10; $M_{\phi\phi}$-0.70±.12; $M_{r\theta}$-1.25±.04; $M_{\theta\phi}$0.59±.08; $M_{\phi r}$0.81±.07; Best double couple: NP1:ϕ_s176.00000°,δ21.00000°,λ138.00000°. NP2:ϕ_s306.00000°,δ76.00000°,λ74.00000°. Principal axes: T 1.7120,Plg56.0000°,Azm195.0000°; N 0.0920,Plg16.0000°,Azm310.0000° ; P -1.8040,Plg29.0000°,Azm49.0000° $M_0$1.75800×10^{16}
IDC Error ellipse: s-maj=13.8km s-min=6.9km az=65.0.

(123) Northern Chile

ISC	**VIII**	**04 06 16 51.5–.44**	**18.41S–.03**	**69.42W–.05**	**122–4**	**4.7b**	**268**	**0-169**
RSNC	VIII	04 06 16 16.5–4.7	22S–40	69W–11	44–17	5.8b,5.4		**¶620966430**
SJA	VIII	04 06 16 51.2–.92	18.44S	69.52W	128–4	4.5L,4.2W		
VAO	VIII	04 06 16 52.4–.42	18.29S	69.18W	128	4.7b,4.2W		
NEIC	VIII	04 06 16 52.1–1.8	18.42S–.05	69.45W–.07	126–5	4.7,4.7b		
IDC	VIII	04 06 16 52.9–.67	18.32S	69.21W	125–5	4.5,4.1b		
GFZ	VIII	04 06 16 52.6–.24	18S–3.0	69W–4.0	121–3	4.5b,4.4		
GUC	VIII	04 06 16 53.2–.73	18.45S	69.54W	118–3	4.7L,4.4		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=5.3km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.4km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.6km s-min=10.2km az=94.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0. Presumed earthquake.

(263) Talaud Islands

ISC	**VIII**	**04 19 11 36.6–.32**	**4.85N–.03**	**127.58E–.04**	**105–2**	**4.9b**	**725**	**1-161**
BJI	VIII	04 19 11 31.9	4.45N	127.74E	100	4.9b,4.8b		**¶620969502**
GCMT	VIII	04 19 11 35.6–.30	4.71N–.02	127.38E–.02	102–4	4.9W,4.8b		
NEIC	VIII	04 19 11 36.4–1.3	4.86N–.06	127.52E–.08	97–6	4.9b,4.8b		
DJA	VIII	04 19 11 36.9–.20	5N–2.0	127E–1.0	97–2	5.4b,5.4		
IDC	VIII	04 19 11 37.3–1.6	4.82N	127.58E	110–14	4.7,4.4b		
GFZ	VIII	04 19 11 37.6–.15	5N–2.0	127E–3.0	106	5.0b,4.9		
MAN	VIII	04 19 11 38.8	4.89N	127.15E	101	5.6b,4.9s		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108041911A. Moment Tensor Solution. s20,c20; s79,c109; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.45±.10 $M_{\theta\theta}$1.57±.11; $M_{\phi\phi}$-3.02±.12; $M_{r\theta}$-0.77±.06; $M_{\theta\phi}$-0.08±.13; $M_{\phi r}$-1.09±.09; Best double couple: NP1:ϕ_s323.00000°,δ48.00000°,λ28.00000°. NP2:ϕ_s213.00000°,δ70.00000°,λ134.00000°. Principal axes: T 2.3760,Plg46.0000°,Azm169.0000°; N 0.9090,Plg41.0000°,Azm15.0000° ; P -3.2850,Plg13.0000°,Azm273.0000° $M_0$2.83100×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.6km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=7.5km az=75.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe.

(280) Banda Sea

ISC	**VIII**	**05 14 24 28.1–.33**	**6.87S–.03**	**130.07E–.03**	**126–2**	**4.9b**	**568**	**2-151**
BJI	VIII	05 14 24 21.1	7.47S	130.50E	128	5.0b,4.9b		**¶620970289**
IDC	VIII	05 14 24 27.3–1.1	6.91S	130.00E	122–9	4.8,4.3b		
NEIC	VIII	05 14 24 28.0–1.6	6.82S–.06	130.04E–.08	117–5	5.0b,4.3b		
DJA	VIII	05 14 24 28.4–.10	7S–1.0	130E–1.0	126–2	5.7,5.5b		
GFZ	VIII	05 14 24 28.4–.27	7S–3.0	130E–3.0	132–3	5.1b,4.8		
GCMT	VIII	05 14 24 30.1–.20	6.89S–.01	130.04E–.02	130–2	5.0W,4.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108051424A. Moment Tensor Solution. s25,c29; s112,c169; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.10 $M_{\theta\theta}$-2.65±.10; $M_{\phi\phi}$3.26±.10; $M_{r\theta}$-1.60±.07; $M_{\theta\phi}$1.85±.10; $M_{\phi r}$0.84±.08; Best double couple: NP1:ϕ_s58.00000°,δ67.00000°,λ-16.00000°. NP2:ϕ_s154.00000°,δ75.00000°,λ-156.00000°. Principal axes: T 3.8250,Plg5.0000°,Azm285.0000°; N 0.2610,Plg62.0000°,Azm185.0000° ; P -4.0870,Plg27.0000°,Azm17.0000° $M_0$3.95600×10^{16}

(276) Sunda Strait

ISC	**VIII**	**06 11 08 18.0–.23**	**6.26S–.03**	**104.67E–.03**	**61–1**	**5.7b**	**1657**	**1-173**
BJI	VIII	06 11 08 12.8	6.53S	104.40E	54	5.6s,5.5b		**¶620970789**
NEIC	VIII	06 11 08 16.8	6.23S	104.65E	44	5.6s,5.5b		
NEIC	VIII	06 11 08 17.9–1.5	6.20S–.06	104.66E–.06	55–5	5.5b,5.5b		
MOS	VIII	06 11 08 18.9–1.1	5.93S	104.88E	73	6.0b,5.0s		
GFZ	VIII	06 11 08 18.8–.33	6S–3.0	105E–3.0	54–3	6.0b,5.7b		
GFZ	VIII	06 11 08 18.8	5.99S	104.83E	56	5.3W,5.7b		
NEIC	VIII	06 11 08 18.5	6.93S	104.45E	60	5.2,5.7b		
DJA	VIII	06 11 08 18.1–.10	6S–1.0	105E–1.0	69–1	6.0,6.0b		
GCMT	VIII	06 11 08 20.2–.10	6.55S–.01	104.69E–.01	49–0	5.4W,6.0b		
IDC	VIII	06 11 08 20.3–.79	6.03S	104.77E	71–6	5.6,5.3b		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.1km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.6km s-min=3.9km az=118.4.
GFZ Error ellipse: s-maj=8.3km s-min=4.9km az=40.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.82 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-0.24 $M_{r\theta}$0.48 $M_{\theta\phi}$0.48 $M_{\phi r}$-0.33 NP1: ϕ_s125.21752°,δ61.89364°,λ89.77314°. NP2:ϕ_s305.69905°,δ28.10720°,λ90.42475°. Principal axes: T 0.9977,Plg73.1054°,Azm34.6655°; N 0.0966,Plg0.2001°,Azm125.3244° ; P -1.0943,Plg16.8933°,Azm215.3852° $M_0$1.04931×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{16}Nm; M_{rr}6.59 $M_{\theta\theta}$-8.04 $M_{\phi\phi}$1.45 $M_{r\theta}$2.10 $M_{\theta\phi}$1.86 $M_{\phi r}$-2.57 NP1:ϕ_s261.00000°,δ39.05000°,λ59.04000°. NP2:ϕ_s118.69000°,δ57.30000°,λ112.66000°. Principal axes: T 7.7572,Plg69.0000°,Azm77.0000°; N 1.0666,Plg19.0000°,Azm286.0000° ; P -8.8237,Plg10.0000°,Azm193.0000° $M_0$8.34000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108061108A. Moment Tensor Solution. s117,c200; s118,c201;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09±.02 $M_{\theta\theta}$-1.24±.02; $M_{\phi\phi}$0.15±.02; $M_{r\theta}$0.50±.02; $M_{\theta\phi}$0.45±.01; $M_{\phi r}$-0.42±.02; Best double couple: NP1: ϕ_s271.00000°,δ34.00000°,λ66.00000°. NP2:ϕ_s120.00000°,δ59.00000°,λ106.00000°. Principal axes: T 1.2910,Plg71.0000°,Azm66.0000°; N 0.2250,Plg13.0000°,Azm292.0000° ; P -1.5130,Plg13.0000°,Azm198.0000° $M_0$1.40200×10^{17}
IDC Error ellipse: s-maj=9.4km s-min=5.5km az=41.0.

(221) Kuril Islands

ISC	**VIII**	**08 09 37 32.5–.53**	**43.12N–.04**	**146.38E–.04**	**75–3**	**4.4b**	**288**	**1-93**
MOS	VIII	08 09 37 30.9–.97	43.10N	146.39E	75	4.7b		**¶620976283**
GFZ	VIII	08 09 37 31.7–.75	43N–4.0	147E–8.0	70–4	4.5b,4.5		
NEIC	VIII	08 09 37 32.0–1.3	43.12N–.05	146.4E–.10	67–6	4.4b,4.5		
SKHL	VIII	08 09 37 32.3–.50	43.10N	146.50E	84–3	6.8,5.8b		
IDC	VIII	08 09 37 33.8–2.4	43.19N	146.35E	81–20	4.0,3.7b		
NIED	VIII	08 09 37 33.8	43.17N	146.27E	72	4.1W,3.7b		
JMA	VIII	08 09 37 33.8–.16	43.2N–.50	146.3E–.90	72–1	4.2,4.2		

ISC Event type ke.
MOS Event type fe. Felt (II-III) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.03 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$0.65 $M_{r\theta}$0.16 $M_{\theta\phi}$1.51 $M_{\phi r}$0.47 NP1:ϕ_s80.00000°,δ76.00000°,λ7.00000°. NP2:ϕ_s348.00000° ,δ83.00000°,λ166.00000°. $M_0$1.71000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .

(216) Mariana Islands

ISC	**VIII**	**09 01 34 17.6–.32**	**18.95N–.03**	**145.55E–.05**	**217–2**	**4.9b**	**464**	**5-158**
BJI	VIII	09 01 34 16.8	18.99N	145.67E	229	4.8b,4.6b		**¶620976523**
DJA	VIII	09 01 34 17.6–.60	19N–4.0	146E–6.0	217–7	5.9b,5.4		
GFZ	VIII	09 01 34 17.5–.21	19N–2.0	146E–3.0	209–1	4.9,4.8b		
GCMT	VIII	09 01 34 18.5–.40	18.81N–.03	145.68E–.03	222–3	4.9W,4.8b		
NEIC	VIII	09 01 34 18.0–2.4	18.98N–.07	145.5E–.10	214–5	4.9b,4.8b		
IDC	VIII	09 01 34 19.6–1.1	18.92N	145.44E	235–9	4.8,4.3b		

ISC Event type se.
GFZ Error ellipse: s-maj=6.2km s-min=4.8km az=110.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108090134A. Moment Tensor Solution. s26,c26; s83,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.01±.14 $M_{\theta\theta}$-0.60±.16; $M_{\phi\phi}$-2.42±.16; $M_{r\theta}$0.77±.14; $M_{\theta\phi}$0.09±.21; $M_{\phi r}$-0.80±.15; Best double couple: NP1:ϕ_s6.00000°,δ37.00000°,λ107.00000°. NP2:ϕ_s165.00000°,δ55.00000°,λ78.00000°. Principal axes: T 3.2690,Plg77.0000°,Azm35.0000°; N -0.7200,Plg10.0000°,Azm172.0000° ; P -2.5560,Plg9.0000°,Azm264.0000° $M_0$2.91300×10^{16}
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.0km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.9km s-min=5.5km az=93.0.

(259) Mindanao

ISC	**VIII**	**11 19 28 32.4–.34**	**6.02N–.03**	**126.87E–.04**	**62–2**	**4.9b**	**559**	**1-169**
NEIC	VIII	11 19 28 31.2–2.5	6.20N–.08	127.00E–.08	50–1	4.9b		**¶620983146**
MAN	VIII	11 19 28 31.8	5.99N	126.88E	62	5.7b,5.0s		
BJI	VIII	11 19 28 31.8	6.20N	126.90E	60	5.1s,5.0		
GFZ	VIII	11 19 28 32.8–.16	6N–3.0	127E–4.0	64	5.4,5.0b		
IDC	VIII	11 19 28 32.6–1.2	6.28N	127.11E	68–10	4.5,4.4s		
DJA	VIII	11 19 28 33.6–.40	6N–3.0	127E–2.0	55–5	5.7b,5.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(153) South Sandwich Islands region

ISC	**VIII**	**12 21 07 02.1–.39**	**59.84S–.05**	**26.63W–.05**	**74–3**	**5.5b**	**508**	**8-177**
IDC	VIII	12 21 06 52.4–.49	59.88S	26.38W	0	5.4b,5.3		**¶621237454**
GFZ	VIII	12 21 06 55.1–.13	60S–3.0	27W–3.0	10	6.4,5.5b		
MOS	VIII	12 21 07 00.5–1.1	59.80S	26.75W	67	5.7b,5.5b		
NEIC	VIII	12 21 07 01.8–1.7	59.84S–.10	26.7W–.20	68–4	5.6b,5.5b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(250) Mindoro

ISC	**VIII**	**13 15 08 31.4–.20**	**13.68N–.02**	**120.70E–.02**	**132–1**	**5.7b**	**2193**	**0-177**
BJI	VIII	13 15 08 25.5	13.41N	121.05E	118	5.9b,5.9b		**¶620986257**
GFZ	VIII	13 15 08 30.9–.16	14N–1.0	121E–2.0	124–1	6.1b,5.8b		
NEIC	VIII	13 15 08 30	13.65N	120.75E	111	6.1b,5.8b		
MOS	VIII	13 15 08 30.8–.91	13.72N	120.78E	140	5.8b,4.9s		
NEIC	VIII	13 15 08 30.6	13.75N	120.74E	112	5.8b,4.9s		
MAN	VIII	13 15 08 31.2	13.67N	120.55E	118	6.3b,6.0s		
IDC	VIII	13 15 08 31.9–.27	13.73N	120.74E	135–2	5.8,5.4b		
ISC-P	VIII	13 15 08 31	13.70N	120.78E	50–1	6.3,5.4b		
NEIC	VIII	13 15 08 31.2–2.2	13.70N–.08	120.78E–.10	121–1	5.9,5.7b		
IPGP	VIII	13 15 08 32.0	13.71N	120.83E	122	5.9W,5.7b		
PTWC	VIII	13 15 08 32	13.70N	120.90E	144	5.9,5.7b		
GCMT	VIII	13 15 08 32.3–.10	13.76N–.01	120.65E–.01	129–0	5.8W,5.7b		
DJA	VIII	13 15 08 33.3–.50	14N–3.0	121E–5.0	155–10	5.8b,5.8b		
GFZ	VIII	13 15 08 34.4	13.69N	120.73E	129	5.9W,5.8b		
NEIC	VIII	13 15 08 42	13.75N	120.84E	110	5.9,5.8b		

ISC Event type se.
GFZ Error ellipse: s-maj=3.7km s-min=2.8km az=84.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
MOS Error ellipse: s-maj=5.8km s-min=3.3km az=114.7.
NEIC Event type se.
MAN Event type fe. INTENSITY IV - CITY OF LIPA CALATAGAN LEMERY AND TAAL BATANGAS; CITY OF BINAN LAGUNA; CITY OF CALAPAN BACO PUERTO GALERA ROXAS AND SAN TEODORO ORIENTAL MINDORO; PALUAN LOOC AND LUBANG OCCIDENTAL MINDORO; . INTENSITY III - CITY OF CALOOCAN; CITY OF MANDALUYONG; CITY OF MANILA; CITY OF PARANAQUE; CITY OF PASIG; CITY OF VALENZUELA; QUEZON CITY; BATANGAS CITY BATANGAS; ABRA DE ILOG AND MAMBURAO OCCIDENTAL MINDORO; OBANDO AND PLARIDEL BULACAN; TANZA CAVITE; . INTENSITY II - CITY OF MAKATI; PASAY CITY; CITY OF MALOLOS AND CITY OF MEYCAUAYAN BULACAN; PATEROS; CITY OF ANTIPOLO RIZAL; CITY OF TAGAYTAY CAVITE; AGONCILLO BAUAN SAN JOSE SAN LUIS SAN PASCUAL AND TALISAY BATANGAS; MULANAY QUEZON; . INTENSITY I - CITY OF MALABON; ALITAGTAG BATANGAS.
IDC Error ellipse: s-maj=8.7km s-min=5.0km az=71.0.
ISC-P Moment Tensor Solution. s44 Moment tensor: Scale 10^{18}Nm; M_{rr}0.84±.14 $M_{\theta\theta}$0.45±.18; $M_{\phi\phi}$-0.20±.12; $M_{r\theta}$-0.16±.15; $M_{\theta\phi}$-0.03±.20; $M_{\phi r}$0.02±.10; NP1:ϕ_s197.40000°,δ49.60000°,λ116.90000°. NP2:ϕ_s339.30000°,δ47.20000°,λ62.00000°. $M_0$3.89000×10^{18}
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.9km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}9.56 $M_{\theta\theta}$-2.34 $M_{\phi\phi}$-7.22 $M_{r\theta}$2.01 $M_{\theta\phi}$3.18 $M_{\phi r}$2.06 NP1:ϕ_s347.52000°,δ49.68000°,λ108.08000°. NP2:ϕ_s140.74000°,δ43.55000°,λ69.91000°. Principal axes: T 10.2771,Plg76.0000°,Azm322.0000°; N -1.4368,Plg14.0000° ,Azm156.0000°; P -8.8404,Plg3.0000°,Azm65.0000° $M_0$9.64000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s140.00000°,δ43.00000°,λ72.00000°. NP2:ϕ_s343.00000° ,δ50.00000°,λ106.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108131508A. Moment Tensor Solution. s163,c343; s166,c383;Duration: 2s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.78±.01 $M_{\theta\theta}$-0.30±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$0.14±.01; $M_{\theta\phi}$0.28±.01; $M_{\phi r}$0.13±.01; Best double couple: NP1:ϕ_s133.00000°,δ45.00000°,λ73.00000°. NP2:ϕ_s335.00000°,δ47.00000°,λ106.00000°. Principal axes: T 0.8220,Plg78.0000°,Azm319.0000°; N -0.1390,Plg12.0000°,Azm144.0000° ; P -0.6820,Plg1.0000°,Azm54.0000° $M_0$0.75200×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.70 $M_{\theta\theta}$-2.45 $M_{\phi\phi}$-5.24 $M_{r\theta}$0.37 $M_{\theta\phi}$2.82 $M_{\phi r}$2.81 NP1: ϕ_s138.00802°,δ37.60509°,λ72.41559°. NP2:ϕ_s339.81098°,δ54.42966°,λ103.09955°. Principal axes: T 8.3622,Plg76.2931°,Azm292.3688°; N -1.0385,Plg10.6234°,Azm152.1022° ; P -7.3237,Plg8.5614°,Azm60.4841° $M_0$7.89436×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}8.16 $M_{\theta\theta}$-3.08 $M_{\phi\phi}$-5.08 $M_{r\theta}$-0.00 $M_{\theta\phi}$2.58 $M_{\phi r}$1.46 NP1:ϕ_s141.01000°,δ40.62000°

,λ82.63000°. NP2:ϕ_s330.68000°,δ49.79000°,λ96.28000°. Principal axes:
T 8.3232,Plg83.0000°,Azm283.0000°; N -1.3804,Plg5.0000°,Azm147.0000°
; P -6.9428,Plg5.0000°,Azm56.0000° $M_0$7.73000×10^{17}

(248) Philippine Islands region

ISC	VIII	13 19 00 36.1–.39	6.18N–.03	127.19E–.04	67–3	4.8b	309 1-151
MAN	VIII	13 19 00 33.2	6.26N	127.31E	30	5.8b,5.2s	¶621012201
DJA	VIII	13 19 00 34.0–1.5	6N–11	127E–7.0	104–23	5.3b,5.3b	
NEIC	VIII	13 19 00 35.6–1.4	6.20N–.06	127.10E–.07	63–5	4.9b,5.3b	
GCMT	VIII	13 19 00 37.5–.50	6.01N–.04	127.30E–.04	32–1	5.1W,5.3b	
IDC	VIII	13 19 00 38.0–1.3	6.21N	127.08E	80–10	4.4,4.3s	

ISC Event type se.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.0km az=57.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131900A. Moment Tensor Solution. s21,c23; s61,c77; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.99±.43 $M_{\theta\theta}$-0.08±.25; $M_{\phi\phi}$-3.91±.26; $M_{r\theta}$2.33±.34; $M_{\theta\phi}$-0.69±.15; $M_{\phi r}$1.79±.30; Best double couple: NP1:ϕ_s172.00000°,δ33.00000° ,λ56.00000°. NP2:ϕ_s31.00000°,δ63.00000°,λ110.00000°. Principal axes:
T 5.2520,Plg66.0000°,Azm338.0000°; N -0.6210,Plg18.0000°,Azm202.0000°
; P -4.6320,Plg15.0000°,Azm107.0000° $M_0$4.94200×10^{16}
IDC Error ellipse: s-maj=13.3km s-min=8.7km az=74.0.

(70) Guatemala

ISC	VIII	13 19 52 22.9–1.1	14.13N–.06	91.32W–.03	74–6		116 0-24
NEIC	VIII	13 19 52 23.4–1.7	14.2N–.10	91.19W–.10	108–16	4.1b	¶625368439
CATAC	VIII	13 19 52 23.8–.45	14N–3.0	91W–2.0	28–3	4.8b,4.7b	
GCG	VIII	13 19 52 23.5–1.4	14.12N	91.33W	65–9	4.5,4.4L	
SNET	VIII	13 19 52 24.1	14N–7.0	91W–7.0	71–8	5.7b,5.2	

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.26 $M_{\theta\theta}$-1.96 $M_{\phi\phi}$2.22 $M_{r\theta}$-7.84 $M_{\theta\phi}$1.74 $M_{\phi r}$4.05 NP1:ϕ_s60.76075° ,δ6.65024°,λ31.31032°. NP2:ϕ_s299.62190°,δ86.54972°,λ95.68862°. Principal axes:
T 7.5602,Plg48.1509°,Azm215.6523°; N 2.7334,Plg5.6783°,Azm119.2784°
; P -10.2937,Plg41.2841°,Azm24.2700° $M_0$9.23548×10^{15}
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

(171) South of Fiji Islands

ISC	VIII	17 17 24 49.2–.21	23.13S–.03	177.07W–.03	157–1	5.8b	1900 6-170
IPGP	VIII	17 17 24 47.0	23.22S	176.96W	161	5.8W	¶620993291
BJI	VIII	17 17 24 47.7	22.91S	176.80W	160	5.8b,5.7b	
NEIC	VIII	17 17 24 47.8	23.24S	177.04W	144	5.8b,5.7b	
MOS	VIII	17 17 24 49.0–1.1	22.96S	177.27W	156	5.7b,5.7b	
NEIC	VIII	17 17 24 49.9–1.9	23.04S–.08	177.04W–.08	157–1	5.8,5.6b	
NEIC	VIII	17 17 24 49.4	23.18S	177.01W	157	5.8,5.6b	
IDC	VIII	17 17 24 50.7–.54	23.01S	177.25W	159–4	5.9,5.4b	
GFZ	VIII	17 17 24 52.4–.60	23S–3.0	177W–3.0	184–6	6.0b,5.9	
GCMT	VIII	17 17 24 52.8–.10	23.17S–.01	176.82W–.01	166–0	5.8W,5.9	
GFZ	VIII	17 17 24 52.3	23.06S	177.20W	180	5.8W,5.9	
NOU	VIII	17 17 24 53.7	23.19S	177.19W	189	5.6,5.9	
NEIC	VIII	17 17 24 54.3	23.44S	176.61W	180	5.8,5.9	
PTWC	VIII	17 17 24 55	23.40S	176.90W	242	5.8,5.9	

ISC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s270.00000°,δ18.00000°,λ-32.00000°. NP2:ϕ_s31.00000° ,δ81.00000°,λ-105.00000°.
NEIC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=7.2km az=119.7.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=13.0km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$1.17 $M_{r\theta}$-2.60 $M_{\theta\phi}$0.99 $M_{\phi r}$-6.07 NP1:ϕ_s204.86000°,δ4.52000°,λ-88.30000°. NP2:ϕ_s23.16000°,δ85.48000° ,λ-90.13000°. Principal axes: T 7.2428,Plg40.0000°,Azm113.0000°; N -1.1123,Plg0.0000° ,Azm23.0000°; P -6.1305,Plg50.0000°,Azm293.0000° $M_0$6.76000×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=8.8km s-min=8.5km az=20.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108171724A. Moment Tensor Solution.
s151,c329; s164,c476;Duration: 2^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.06±.06 $M_{\theta\theta}$1.69±.07; $M_{\phi\phi}$-0.63±.07; $M_{r\theta}$-3.11±.05; $M_{\theta\phi}$1.10±.06; $M_{\phi r}$-6.46±.04; Best double couple: NP1:ϕ_s281.00000°,δ13.00000°,λ-16.00000°. NP2:ϕ_s27.00000°,δ86.00000°,λ-102.00000°. Principal axes: T 7.2330,Plg40.0000°,Azm129.0000°; N 0.3250,Plg12.0000°,Azm28.0000° ; P -7.5630,Plg47.0000°,Azm284.0000° $M_0$7.39800×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$1.48 $M_{\phi\phi}$-2.20 $M_{r\theta}$-2.68 $M_{\theta\phi}$1.31 $M_{\phi r}$-5.66 NP1: ϕ_s203.74342°,δ86.87671°,λ109.66463°. NP2:ϕ_s302.41234°,δ19.90142°,λ9.21035°. Principal axes: T 6.7387,Plg44.7008°,Azm133.3020°; N -0.1006,Plg19.6342°,Azm22.6280° ; P -6.6382,Plg38.7815°,Azm275.9705° $M_0$6.68900×10^{17}
NOU South of Fiji Islands.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-0.12 $M_{r\theta}$-3.70 $M_{\theta\phi}$1.06 $M_{\phi r}$-6.20 NP1:ϕ_s273.72000°,δ9.35000° ,λ-27.83000°. NP2:ϕ_s31.24000°,δ85.65000°,λ-98.29000°. Principal axes:
T 7.4398,Plg40.0000°,Azm129.0000°; N -0.1284,Plg8.0000°,Azm32.0000°
; P -7.3114,Plg49.0000°,Azm292.0000° $M_0$7.38000×10^{17}

(186) Vanuatu Islands

ISC	VIII	18 10 10 05.0–.20	14.92S–.02	167.11E–.03	100–1	6.3b	2482 1-169
BJI	VIII	18 10 10 03.4	14.79S	167.04E	100	6.3b,5.9b	¶621237530
IDC	VIII	18 10 10 05.1–.82	14.96S	167.11E	99–6	6.3,6.2s	
NEIC	VIII	18 10 10 05	14.87S	167.05E	91	6.3,6.2s	
NEIC	VIII	18 10 10 05	14.86S	167.11E	89	6.3,6.2s	
MOS	VIII	18 10 10 05.3–1.3	14.86S	167.04E	107	6.4s,6.3b	
IPGP	VIII	18 10 10 05.0	14.89S	167.09E	99	6.9W,6.3b	
GFZ	VIII	18 10 10 05.0	14.89S	167.11E	90	6.9W,6.3b	
NOU	VIII	18 10 10 05.2	14.84S	167.10E	100	6.6,6.3b	
NEIC	VIII	18 10 10 05.2–1.6	14.88S–.07	167.06E–.08	93–1	6.9,6.4b	
GFZ	VIII	18 10 10 06.1–.39	15S–2.0	167E–2.0	98–3	6.8b,6.7	
PTWC	VIII	18 10 10 06	14.90S	166.90E	83	7.1,6.7	
GCMT	VIII	18 10 10 10.7–.00	14.91S	166.83E	100–0	7.0W,6.7	
NEIC	VIII	18 10 10 20.9	14.87S	166.85E	90	6.9,6.7	

ISC Event type se.
IDC Error ellipse: s-maj=9.7km s-min=8.2km az=78.0.
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=6.3km s-min=5.3km az=114.7.
IPGP Moment Tensor Solution. NP1:ϕ_s283.00000°,δ81.00000°,λ25.00000°. NP2:ϕ_s189.00000° ,δ66.00000°,λ170.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.37 $M_{\theta\theta}$0.75 $M_{\phi\phi}$-1.11 $M_{r\theta}$-1.05 $M_{\theta\phi}$2.31 $M_{\phi r}$-0.30 NP1: ϕ_s283.22767°,δ78.45532°,λ22.00145°. NP2:ϕ_s188.60454°,δ68.46615°,λ167.57572°. Principal axes: T 2.7641,Plg23.6444°,Azm147.5277°; N -0.0458,Plg65.2875°,Azm309.5773° ; P -2.7183,Plg6.7784°,Azm54.5448° $M_0$2.74145×10^{19}
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.8km az=68.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.18 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-0.82 $M_{r\theta}$-1.36 $M_{\theta\phi}$1.99 $M_{\phi r}$-0.32 NP1:ϕ_s281.97000°,δ80.71000°,λ30.00000°. NP2:ϕ_s186.64000°,δ60.43000° ,λ169.31000°. Principal axes: T 2.7041,Plg28.0000°,Azm148.0000°; N -0.3732,Plg59.0000° ,Azm298.0000°; P -2.3309,Plg14.0000°,Azm51.0000° $M_0$2.54000×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108181010A. Moment Tensor Solution.
s170,c469; s174,c871;Duration: 7^{s}3 Moment tensor: Scale 10^{19}Nm; M_{rr}0.04±.01 $M_{\theta\theta}$1.15±.01; $M_{\phi\phi}$-1.20±.01; $M_{r\theta}$-1.30±.01; $M_{\theta\phi}$2.83±.01; $M_{\phi r}$-0.36±.01; Best double couple: NP1:ϕ_s189.00000°,δ70.00000°,λ171.00000°. NP2:ϕ_s283.00000°,δ82.00000°,λ21.00000°. Principal axes: T 3.5170,Plg20.0000°,Azm148.0000°; N -0.3750,Plg68.0000°,Azm304.0000° ; P -3.1490,Plg8.0000°,Azm55.0000° $M_0$3.33300×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 13^{s}4 Moment tensor: Scale 10^{19}Nm; M_{rr}0.71 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-1.11 $M_{r\theta}$-1.05 $M_{\theta\phi}$1.99 $M_{\phi r}$-0.37 NP1:ϕ_s185.92000°,δ63.64000° ,λ159.97000°. NP2:ϕ_s285.11000°,δ72.13000°,λ27.81000°. Principal axes:
T 2.4446,Plg32.0000°,Azm148.0000°; N 0.0651,Plg57.0000°,Azm315.0000°
; P -2.5097,Plg6.0000°,Azm54.0000° $M_0$2.48000×10^{19}

(103) Colombia

ISC	VIII	18 12 36 03.3–.64	5.11N–.02	76.33W–.03	95–5	4.3b	186 0-147
VAO	VIII	18 12 36 00.9–3.2	5.23N	76.32W	88	4.8b	¶620996186
NEIC	VIII	18 12 36 03.7–1.4	5.07N–.06	76.32W–.07	92–9	4.4b	
RSNC	VIII	18 12 36 03.4–.00	5N–2.0	76W–3.0	88–5	5.6b,5.1	
CATAC	VIII	18 12 36 04.4–.96	5N–2.0	76W–2.0	29–9	4.7b,4.5b	
IDC	VIII	18 12 36 06.2–1.6	5.01N	76.18W	119–15	4.2,3.8b	

ISC Event type se.
VAO Event type se. Error ellipse: s-maj=35.6km s-min=23.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.5km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Error ellipse: s-maj=5.3km s-min=4.0km az=40.4. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=23.6km s-min=12.5km az=46.0.

(289) Timor region

ISC	VIII	20 16 45 02.9–.41	9.08S–.03	124.19E–.03	78–3	5.2b	747 1-158
BJI	VIII	20 16 44 55.0	9.72S	124.73E	80	5.2b,5.1b	¶620998948
IDC	VIII	20 16 45 01.7–.95	8.91S	124.16E	66–8	5.0,4.7b	
NEIC	VIII	20 16 45 03.1–2.5	9.08S–.05	124.24E–.04	80–5	5.2b,4.9	
DJA	VIII	20 16 45 03.1–.10	9S–1.0	124E–1.0	76–2	5.6,5.6b	
GFZ	VIII	20 16 45 04.1	9.16S	124.18E	77	5.0W,5.6b	
GFZ	VIII	20 16 45 04.1–.24	9S–2.0	124E–2.0	84–2	5.3b,5.0	
GCMT	VIII	20 16 45 05.8–.20	9.11S–.01	124.22E–.02	74–2	5.0W,5.0	

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.51 $M_{\theta\theta}$-1.25 $M_{\phi\phi}$3.76 $M_{r\theta}$-0.98 $M_{\theta\phi}$0.27 $M_{\phi r}$0.72 NP1: ϕ_s158.30339°,δ57.08806°,λ-124.21027°. NP2:ϕ_s29.67132°,δ46.03212°,λ-49.01979°. Principal axes: T 3.8497,Plg6.1255°,Azm271.8716°; N -0.7201,Plg28.1640°,Azm178.5777° ; P -3.1296,Plg61.0590°,Azm13.0626° $M_0$3.54496×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108201645A. Moment Tensor Solution. s60,c70; s111,c177; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.82±.14 $M_{\theta\theta}$-0.67±.12; $M_{\phi\phi}$3.49±.11; $M_{r\theta}$-0.72±.07; $M_{\theta\phi}$1.74±.09; $M_{\phi r}$2.39±.09; Best double couple: NP1:ϕ_s48.00000°,δ37.00000° ,λ-44.00000°. NP2:ϕ_s176.00000°,δ65.00000°,λ-118.00000°. Principal axes:
T 4.6840,Plg16.0000°,Azm286.0000°; N -0.5820,Plg25.0000°,Azm188.0000° ; P -4.1000,Plg60.0000°,Azm45.0000° $M_0$4.39200×10^{16}

(221) Kuril Islands

ISC	VIII	24 03 50 41.0–.51	44.47N–.04	147.68E–.04	112–4	4.5b	674 1-153
MOS	VIII	24 03 50 39.9–.98	44.48N	147.70E	115	4.7b	¶621001081
BJI	VIII	24 03 50 39.9	44.41N	147.57E	112	4.8b,4.7b	
IDC	VIII	24 03 50 40.4–1.7	44.61N	147.61E	103–14	4.5,4.2b	
NEIC	VIII	24 03 50 40.7–1.4	44.55N–.07	147.70E–.07	102–5	4.5b,4.2b	
GFZ	VIII	24 03 50 41.5–.50	45N–4.0	148E–3.0	111–4	4.8,4.7b	
SKHL	VIII	24 03 50 41.9–.30	44.50N	147.70E	117–6	6.5,5.6b	
BGR	VIII	24 03 50 42.9	45.81N	145.21E	33	5.0b,5.6b	
JMA	VIII	24 03 50 42.2–.28	44N–1.0	148E–2.0	125–4	4.8,5.6b	
NIED	VIII	24 03 50 42.2	44.25N	147.62E	125	4.3W,5.6b	

ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=6.9km s-min=5.3km az=101.4. Felt (II-III) at Yuzhno-Kuril'sk, (II) at Reydovo. Moment Tensor Solution.
IDC Error ellipse: s-maj=12.4km s-min=9.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.2km az=204.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.3km s-min=6.7km az=158.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
JMA Event type fe. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.64 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-2.40 $M_{r\theta}$1.40 $M_{\theta\phi}$-0.05 $M_{\phi r}$1.13 NP1:ϕ_s166.00000°,δ35.00000°,λ57.00000°. NP2:ϕ_s24.00000° ,δ61.00000°,λ111.00000°. $M_0$3.04000×10^{15}

(280) Banda Sea

ISC	VIII	24 10 44 24.8–.79	4.62S–.05	129.08E–.04	250–7	3.1b	62 1-70
IDC	VIII	24 10 44 25.6–1.5	5.18S	129.78E	152–18	4.0,3.2b	¶621049316
DJA	VIII	24 10 44 28.1–.20	4S–2.0	129E–1.0	226–3	6.0b,5.6	

ISC Event type se.

(259) Mindanao

ISC	VIII	26 20 39 42.3–.72	5.51N–.04	126.50E–.05	101–6	4.3b	165 1-122
MAN	VIII	26 20 39 40.1	5.47N	126.59E	70	5.5b,4.7s	¶621059024
NEIC	VIII	26 20 39 42.7–1.8	5.55N–.04	126.50E–.10	101–7	4.5b,4.7s	
IDC	VIII	26 20 39 43.7–.88	5.57N	126.49E	112–7	4.5s,4.3	
DJA	VIII	26 20 39 44.6–1.8	5N–17	127E–4.0	73–26	5.1b,5.1b	

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(285) Sumbawa region

ISC	VIII	27 07 52 42.2–.77	9.31S–.05	118.53E–.04	111–7	3.8b	63 1-69
IDC	VIII	27 07 52 42.5–3.1	9.23S	118.52E	106–25	3.8,3.4b	¶621072129
DJA	VIII	27 07 52 43.8–.20	9S–3.0	119E–1.0	94–4	6.5b,6.3	

ISC Event type se.

(207) Eastern New Guinea region

ISC	VIII	28 00 00 46.3–.34	6.09S–.04	147.88E–.05	100	4.8b	219 4-153
IDC	VIII	28 00 00 46.0–2.0	6.09S	147.76E	89–16	4.7,4.3b	¶621009734
NEIC	VIII	28 00 00 45.1–1.4	6.03S–.07	147.88E–.07	80–7	4.8b,4.3b	
DJA	VIII	28 00 00 47.3–.90	6S–5.0	148E–7.0	84–6	6.0,5.9b	

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(123) Northern Chile

ISC	VIII	28 12 57 47.8–.33	22.32S–.03	67.53W–.03	182–3	5.1b	782 1-172
VAO	VIII	28 12 57 19.1–.95	22.75S	69.28W	48–6	5.5b	¶621009869
SJA	VIII	28 12 57 46.4–1.3	22.26S	67.51W	190	5.0L,4.8W	
IDC	VIII	28 12 57 46.9–.97	22.24S	67.32W	166–8	5.2,4.7b	
CATAC	VIII	28 12 57 46.8–.60	22S–5.0	67W–8.0	145–8	5.8,5.5	
MOS	VIII	28 12 57 46.1–1.4	22.26S	67.55W	173	5.1b,5.5	
NEIC	VIII	28 12 57 47.9	22.28S	67.51W	188	5.1b,5.5	
GFZ	VIII	28 12 57 47.1–.15	22S–1.0	67W–2.0	168–1	5.1b,5.1	
GUC	VIII	28 12 57 47.1–.76	22.29S	67.71W	209–6	5.4L,5.1	
GFZ	VIII	28 12 57 47.1	22.33S	67.44W	164	5.2W,5.1	
NEIC	VIII	28 12 57 48.1–1.4	22.30S–.05	67.56W–.08	192–4	5.1b,5.1	
NEIC	VIII	28 12 57 48.4	22.28S	67.51W	200	5.3,5.1	
SCB	VIII	28 12 57 49.1–2.2	22.28S	67.52W	123–38	5.3L,5.1	
GCMT	VIII	28 12 57 51.5–.20	22.25S–.01	67.44W–.02	194–1	5.3W,5.1	

ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.95 $M_{\theta\theta}$-1.85 $M_{\phi\phi}$-0.09 $M_{r\theta}$1.42 $M_{\theta\phi}$2.66 $M_{\phi r}$-8.10 NP1:

ϕ_s166.13872°,δ84.02158°,λ108.54853°. NP2:ϕ_s273.38353°,δ19.45588°,λ18.22192°.
Principal axes: T 9.1364,Plg47.7636°,Azm95.6888°; N -0.6024,Plg18.4440°,Azm344.1372°
; P -8.5340,Plg36.3760°,Azm239.9158° $M_0$8.85063×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm;
M_{rr}0.36 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-0.36 $M_{r\theta}$0.20 $M_{\theta\phi}$0.32 $M_{\phi r}$-1.20 NP1:ϕ_s300.94000°,δ14.09000°
,λ41.69000°. NP2:ϕ_s170.12000°,δ80.68000°,λ100.62000°. Principal axes:
T 1.2498,Plg53.0000°,Azm93.0000°; N 0.1051,Plg10.0000°,Azm348.0000°
; P -1.3549,Plg35.0000°,Azm251.0000° $M_0$1.31000×10^{17}
SCB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108281257A. Moment Tensor Solution. s62,c82; s116,c175; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.21±.03 $M_{\theta\theta}$-0.12±.03; $M_{\phi\phi}$-0.09±.04; $M_{r\theta}$0.39±.02; $M_{\theta\phi}$0.29±.03; $M_{\phi r}$-1.13±.02; Best double couple: NP1:ϕ_s278.00000°,δ12.00000°,λ28.00000°. NP2:ϕ_s161.00000°,δ84.00000°,λ101.00000°. Principal axes:
T 1.2100,Plg50.0000°,Azm82.0000°; N 0.0670,Plg11.0000°,Azm339.0000°
; P -1.2770,Plg38.0000°,Azm241.0000° $M_0$1.24300×10^{17}

(706) Northern Sumatera

ISC	**VIII**	**29 13 05 34.5–.49**	**2.76N–.04**	**98.90E–.04**	**171–4**	**4.3b**	**209**	**0-100**
NEIC	VIII	29 13 05 34.6–1.4	2.81N–.06	98.99E–.04	165–3	4.5b		**¶621009996**
DJA	VIII	29 13 05 34.5–.20	3N–2.0	99E–2.0	166–2	6.3b,6.0		
IDC	VIII	29 13 05 37.6–3.4	2.85N	99.10E	200–33	4.4,3.8b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.8km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.5km s-min=9.9km az=55.0.

(221) Kuril Islands

ISC	**IX**	**05 17 03 53.8–.48**	**45.48N–.05**	**149.64E–.06**	**100**	**4.1b**	**159**	**1-150**
MOS	IX	05 17 03 54.8–1.3	45.47N	149.54E	130	4.1b		**¶621035628**
NEIC	IX	05 17 03 55.8–1.7	45.5N–.10	149.65E–.06	116–12	4.3b		
SKHL	IX	05 17 03 55.5–.10	45.40N	149.60E	119–6	6.3,5.6b		
IDC	IX	05 17 03 58.0–1.8	45.68N	149.45E	137–16	4.0,3.5b		
JMA	IX	05 17 03 58.3–.56	45N–2.0	149E–3.0	135	4.0,3.5b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SE OFF ETOROFU .

(153) South Sandwich Islands region

ISC	**IX**	**11 09 10 47.5–.31**	**55.99S–.05**	**27.89W–.06**	**83–2**	**5.1b**	**282**	**5-158**
GFZ	IX	11 09 10 47.2–.33	56S–4.0	28W–4.0	68–2	5.6b,5.5		**¶621069776**
IDC	IX	11 09 10 47.3–.70	55.94S	27.85W	80–5	4.8,4.5b		
NEIC	IX	11 09 10 47.2–1.0	56.0S–.10	27.9W–.20	80–7	5.2b,4.5b		
GCMT	IX	11 09 10 49.7–.20	56.01S–.01	27.60W–.03	70–2	5.1W,4.5b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109110910A. Moment Tensor Solution. s49,c60; s99,c142; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.28±.23 $M_{\theta\theta}$-0.42±.25; $M_{\phi\phi}$1.70±.22; $M_{r\theta}$-4.33±.13; $M_{\theta\phi}$4.11±.18; $M_{\phi r}$-0.64±.13; Best double couple: NP1:ϕ_s176.00000°,δ43.00000°,λ-169.00000°. NP2:ϕ_s78.00000°,δ82.00000°,λ-48.00000°. Principal axes:
T 6.3660,Plg25.0000°,Azm136.0000°; N -0.3530,Plg42.0000°,Azm251.0000°
; P -6.0120,Plg38.0000°,Azm25.0000° $M_0$6.18900×10^{16}

(274) Southern Sumatera

ISC	**IX**	**12 09 02 20.3–.28**	**0.51S–.03**	**99.69E–.03**	**86–2**	**5.0b**	**697**	**0-159**
BJI	IX	12 09 02 18.0	0.50S	99.70E	80	5.4b,4.9b		**¶621070436**
DJA	IX	12 09 02 19.7–.10	1S–1.0	100E–2.0	69–1	5.6,5.5b		
NEIC	IX	12 09 02 20.7	0.52S	99.72E	90	5.6,5.5b		
GCMT	IX	12 09 02 20.4–.20	0.51S–.01	99.70E–.01	76–2	5.1W,5.5b		
GFZ	IX	12 09 02 20.8–.40	1S–3.0	100E–3.0	81–3	5.8,5.7		
GFZ	IX	12 09 02 20.8	0.50S	99.70E	76	5.0W,5.7		
IDC	IX	12 09 02 20.8–1.1	0.37S	99.86E	90–9	4.8,4.5b		
NEIC	IX	12 09 02 20.4–1.3	0.53S–.06	99.71E–.05	87–4	5.0b,4.5b		
NEIC	IX	12 09 02 22.2	0.52S	99.72E	70	5.0,4.5b		

ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109120902A. Moment Tensor Solution. s61,c77; s112,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03±.16 $M_{\theta\theta}$-4.04±.14; $M_{\phi\phi}$4.06±.17; $M_{r\theta}$2.93±.08; $M_{\theta\phi}$-0.62±.13; $M_{\phi r}$-1.52±.11; Best double couple: NP1:ϕ_s218.00000°,δ52.00000°,λ-4.00000°. NP2:ϕ_s310.00000°,δ87.00000°,λ-142.00000°. Principal axes:
T 4.8610,Plg23.0000°,Azm78.0000°; N 0.7190,Plg52.0000°,Azm314.0000°
; P -5.5880,Plg28.0000°,Azm181.0000° $M_0$5.22400×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.34 $M_{\theta\theta}$-1.82 $M_{\phi\phi}$2.16 $M_{r\theta}$2.81 $M_{\theta\phi}$-0.66 $M_{\phi r}$-1.24 NP1:
ϕ_s303.94008°,δ86.83974°,λ-124.92920°. NP2:ϕ_s209.42652°,δ35.05377°,λ-5.50806°.
Principal axes: T 3.3865,Plg32.6745°,Azm62.6894°; N 0.6091,Plg34.8684°,Azm306.1449°
; P -3.9956,Plg38.1578°,Azm182.9500° $M_0$3.72854×10^{16}
IDC Error ellipse: s-maj=11.7km s-min=8.8km az=71.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.4km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm;
M_{rr}-0.55 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$1.58 $M_{r\theta}$2.44 $M_{\theta\phi}$-2.06 $M_{\phi r}$-1.33 NP1:ϕ_s196.77000°,δ39.81000°
,λ-7.55000°. NP2:ϕ_s292.59000°,δ85.17000°,λ-129.56000°. Principal axes:
T 4.0193,Plg29.0000°,Azm54.0000°; N -0.6686,Plg39.0000°,Azm297.0000°
; P -3.3507,Plg37.0000°,Azm168.0000° $M_0$3.73000×10^{16}

(173) Tonga Islands

ISC	**IX**	**12 11 57 36.8–.39**	**15.42S–.05**	**174.33W–.04**	**186–3**	**4.8b**	**646**	**3-176**
IDC	IX	12 11 57 33.6–1.1	15.40S	174.45W	155–10	5.0,4.6b		**¶621070681**
BJI	IX	12 11 57 35.3	15.01S	173.96W	184	5.0b,4.6b		
NOU	IX	12 11 57 36.6	15.34S	174.16W	210	5.1b,4.6b		
NEIC	IX	12 11 57 37.4	15.31S	174.11W	190	5.2,4.6b		
GFZ	IX	12 11 57 37.8–.42	15S–6.0	174W–4.0	206–4	5.7b,5.2		
NEIC	IX	12 11 57 37.1–1.6	15.4S–.10	174.30W–.08	187–6	4.7b,5.2		
NEIC	IX	12 11 57 37	15.41S	174.32W	186	4.7b,5.2		
GCMT	IX	12 11 57 41.5–.20	15.33S–.01	174.28W–.01	194–1	5.2W,5.2		

ISC Event type se.
NOU Tonga Islands.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm;
M_{rr}-6.13 $M_{\theta\theta}$1.57 $M_{\phi\phi}$4.55 $M_{r\theta}$0.78 $M_{\theta\phi}$3.71 $M_{\phi r}$-0.98 NP1:ϕ_s226.20000°,δ44.71000°
,λ-72.36000°. NP2:ϕ_s22.10000°,δ47.90000°,λ-106.69000°. Principal axes:
T 7.0742,Plg2.0000°,Azm124.0000°; N -0.6782,Plg12.0000°,Azm33.0000°
; P -6.3960,Plg78.0000°,Azm221.0000° $M_0$6.76000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109121157A. Moment Tensor Solution. s83,c113; s123,c219;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64±.01 $M_{\theta\theta}$-0.11±.02; $M_{\phi\phi}$0.75±.02; $M_{r\theta}$0.33±.01; $M_{\theta\phi}$0.30±.02; $M_{\phi r}$-0.40±.01; Best double couple: NP1:
ϕ_s224.00000°,δ42.00000°,λ-44.00000°. NP2:ϕ_s350.00000°,δ62.00000°,λ-123.00000°.
Principal axes: T 0.9030,Plg11.0000°,Azm103.0000°; N 0.0320,Plg29.0000°,Azm7.0000°
; P -0.9350,Plg59.0000°,Azm212.0000° $M_0$0.91900×10^{17}

(128) Jujuy Province

ISC	**IX**	**13 05 18 13.9–.18**	**23.84S–.02**	**67.01W–.03**	**201–1**	**5.7b**	**1860**	**1-175**
CATAC	IX	13 05 17 59.8–.74	24S–6.0	66W–6.0	78–12	7.5,6.5		**¶621240989**
MOS	IX	13 05 18 08.0–1.1	23.71S	67.13W	150	6.0b,6.5		
PTWC	IX	13 05 18 11	23.90S	67.10W	211	6.1,6.5		
GUC	IX	13 05 18 11.7–.55	23.84S	67.46W	256–5	6.4L,6.5		
OSUNB	IX	13 05 18 13.0–.27	23.83S	66.85W	198–2	6.4b,6.5		
NEIC	IX	13 05 18 12.6	23.90S	67.03W	187	6.4b,6.5		
VAO	IX	13 05 18 12.1–.49	23.79S	66.97W	196–4	6.2b,6.5		
SJA	IX	13 05 18 12.6–.61	23.82S	67.13W	187–6	5.9L,5.7W		
GFZ	IX	13 05 18 12.1	23.86S	66.97W	192	6.2W,5.7W		
GFZ	IX	13 05 18 12.2–.16	24S–2.0	67W–2.0	180–3	6.3b,6.0		
NEIC	IX	13 05 18 13.2	23.90S	67.05W	194	6.3b,6.0		
IPGP	IX	13 05 18 13.0	23.89S	67.02W	212	6.2W,6.0		
NEIC	IX	13 05 18 14.6–1.1	23.76S–.08	67.01W–.09	205–1	6.2,6.1		
BJI	IX	13 05 18 15.5	23.90S	67.10W	200	6.0b,6.1		
IDC	IX	13 05 18 16.0–.28	23.71S	66.81W	211–2	5.9,5.3b		
GCMT	IX	13 05 18 17.9–.10	23.84S	67.02W	211–0	6.2W,5.3b		
NEIC	IX	13 05 18 19.7	23.90S	67.05W	190	6.2,5.3b		

ISC Event type ke.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MOS Error ellipse: s-maj=11.1km s-min=6.6km az=92.3.
PTWC CHILE-ARGENTINA BORDER REGION.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=5.6km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=1.5km s-min=1.7km az=0.0.
NEIC Event type se.
VAO Event type se. Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}-0.85 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$1.26 $M_{r\theta}$0.63 $M_{\theta\phi}$-0.00 $M_{\phi r}$-1.81 NP1:
ϕ_s206.26961°,δ18.38092°,λ-47.00864°. NP2:ϕ_s341.77968°,δ76.66451°,λ-102.76662°.
Principal axes: T 2.3388,Plg30.5264°,Azm82.2310°; N -0.2662,Plg12.4168°,Azm344.7713°
; P -2.0726,Plg56.5250°,Azm235.3228° $M_0$2.21769×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s195.00000°,δ12.00000°,λ-55.00000°. NP2:ϕ_s339.00000°
,δ80.00000°,λ-97.00000°.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=12.8km az=235.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.67 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$0.88 $M_{r\theta}$0.73
$M_{\theta\phi}$-0.06 $M_{\phi r}$-1.99 NP1:ϕ_s198.97000°,δ12.09000°,λ-52.08000°. NP2:ϕ_s340.42000°
,δ80.49000°,λ-97.50000°. Principal axes: T 2.3252,Plg35.0000°,Azm77.0000°
; N -0.1301,Plg7.0000°,Azm342.0000°; P -2.1951,Plg54.0000°,Azm241.0000°
$M_0$2.26000×10^{18}
IDC Error ellipse: s-maj=7.9km s-min=6.1km az=63.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109130518A. Moment Tensor Solution.
s161,c371; s159,c633;Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.87±.01
$M_{\theta\theta}$-0.33±.01; $M_{\phi\phi}$1.20±.01; $M_{r\theta}$0.85±.01; $M_{\theta\phi}$-0.04±.01; $M_{\phi r}$-2.14±.01; Best double couple:
NP1:ϕ_s204.00000°,δ16.00000°,λ-46.00000°. NP2:ϕ_s339.00000°,δ79.00000°,λ-101.00000°.
Principal axes: T 2.6230,Plg33.0000°,Azm79.0000°; N -0.1740,Plg11.0000°,Azm342.0000°
; P -2.4510,Plg55.0000°,Azm236.0000° $M_0$2.53700×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s3 Moment tensor: Scale 10^{18}Nm;
M_{rr}-0.57 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$0.88 $M_{r\theta}$0.70 $M_{\theta\phi}$0.03 $M_{\phi r}$-2.05 NP1:ϕ_s210.17000°,δ12.61000°
,λ-41.91000°. NP2:ϕ_s341.38000°,δ81.62000°,λ-99.45000°. Principal axes:
T 2.3889,Plg36.0000°,Azm80.0000°; N -0.1779,Plg9.0000°,Azm343.0000°
; P -2.2110,Plg52.0000°,Azm240.0000° $M_0$2.31000×10^{18}

(129) Salta Province

ISC	**IX**	**13 10 09 42.2–.57**	**24.14S–.03**	**67.04W–.03**	**185–5**	**4.3b**	**235**	**1-166**
SJA	IX	13 10 09 41.5–1.0	24.13S	67.00W	198–5	4.1L,4.1W		**¶621071758**
IDC	IX	13 10 09 41.0–1.7	24.09S	66.88W	170–16	4.3,3.8b		
GFZ	IX	13 10 09 42.0–.19	24S–2.0	67W–3.0	181–5	5.6b,5.1		
NEIC	IX	13 10 09 42.1–1.8	24.18S–.06	66.93W–.09	180–6	4.5b,4.5		
GUC	IX	13 10 09 42.0–.38	24.31S	67.07W	206–3	4.5L,4.5		
VAO	IX	13 10 09 43.6–1.4	24.02S	66.85W	198–9	4.4b,4.5		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=18.0km s-min=10.8km az=80.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.0km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=9.5km s-min=9.0km az=-1.0. Presumed earthquake.

(117) Southern Peru

ISC	**IX**	**13 16 33 12.0–.60**	**15.65S–.04**	**70.31W–.06**	**205–6**	**4.4b**	**187**	**2-148**
NEIC	IX	13 16 33 12.9–.90	15.67S–.04	70.30W–.08	211–7	4.4b		**¶621072364**
IDC	IX	13 16 33 12.2–.73	15.46S	70.24W	198–6	4.4,3.8b		
VAO	IX	13 16 33 13.6–.58	15.47S	70.03W	210–4	4.3b,3.8b		
GFZ	IX	13 16 33 13.2–.36	16S–3.0	70W–4.0	200–4	5.8b,5.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(173) Tonga Islands

ISC	**IX**	**14 10 28 17.5–.40**	**15.11S–.06**	**173.92W–.04**	**121–3**	**4.9b**	**306**	**2-160**
IDC	IX	14 10 28 15.7–2.3	15.05S	174.17W	93–21	4.5,4.1b		**¶621072704**
NEIC	IX	14 10 28 16.9–1.3	15.1S–.10	173.90W–.07	110–6	4.9b,4.1b		
BJI	IX	14 10 28 17.5	15.10S	174.00W	126	5.5b,4.9b		
GFZ	IX	14 10 28 19.2–.50	15S–7.0	174W–4.0	129–4	5.5b,5.0		
GCMT	IX	14 10 28 22.6–.20	14.94S–.02	173.94W–.01	132–2	5.1W,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109141028A. Moment Tensor Solution. s51,c71; s121,c179; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.15 $M_{\theta\theta}$0.15±.20; $M_{\phi\phi}$1.54±.19;
$M_{r\theta}$-3.11±.11; $M_{\theta\phi}$0.90±.17; $M_{\phi r}$-3.97±.10; Best double couple: NP1:ϕ_s192.00000°,δ11.00000°
,λ-115.00000°. NP2:ϕ_s38.00000°,δ80.00000°,λ-85.00000°. Principal axes:
T 5.4750,Plg35.0000°,Azm123.0000°; N -0.2060,Plg5.0000°,Azm217.0000°
; P -5.2660,Plg55.0000°,Azm313.0000° $M_0$5.37000×10^{16}

(69) Near coast of Chiapas

ISC	**IX**	**15 22 31 39.9–.35**	**15.48N–.03**	**93.08W–.03**	**100–2**	**4.9b**	**591**	**0-148**
IDC	IX	15 22 31 37.6–1.3	15.57N	92.80W	72–11	4.4,4.1b		**¶621079004**
GCG	IX	15 22 31 39.5–1.4	15.47N	93.16W	103–15	5.3L,5.3		
NEIC	IX	15 22 31 40.5–1.6	15.47N–.03	93.13W–.05	96–4	5.0b,4.5		
CATAC	IX	15 22 31 41.5–.39	15N–4.0	93W–3.0	87–4	5.7b,5.6b		
MEX	IX	15 22 31 41.2–1.1	15.43N	93.16W	101–8	4.6,5.6b		
GFZ	IX	15 22 31 42.7–.32	16N–3.0	93W–3.0	113–3	6.1L,5.7		

ISC Event type se.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(263) Talaud Islands

ISC	**IX**	**17 12 43 56.1–.31**	**4.90N–.03**	**126.20E–.04**	**94–2**	**4.8b**	**485**	**1-162**
MAN	IX	17 12 43 40.9	4.09N	126.35E	5	5.6b,4.9s		**¶621081707**
BJI	IX	17 12 43 52.7	4.81N	126.25E	87	4.9b,4.8b		
GFZ	IX	17 12 43 54.6–.37	5N–3.0	126E–5.0	89–3	6.1,6.1		
DJA	IX	17 12 43 55.6–.20	5N–2.0	126E–1.0	77–2	6.2,6.2		
NEIC	IX	17 12 43 56.3–1.4	4.91N–.06	126.26E–.08	93–7	4.8b,6.2		
IDC	IX	17 12 43 57.2–1.1	4.92N	125.96E	104–8	4.6,4.2b		

ISC Event type fe.
MAN Event type fe.
GFZ Error ellipse: s-maj=9.9km s-min=5.3km az=75.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.3km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=8.1km az=81.0.

(221) Kuril Islands

ISC	IX	17 19 36 05.2–.31	48.07N–.04	154.10E–.04	74–2	5.0b	875	3-148
BJI	IX	17 19 36 04.0	48.12N	154.23E	94	4.8b,4.8b	¶621082824	
MOS	IX	17 19 36 04.3–1.1	48.10N	154.04E	81	4.7b,4.8b		
SKHL	IX	17 19 36 04.8–.30	48.00N	154.30E	90–8	6.4,5.6b		
GFZ	IX	17 19 36 05.8–.23	48N–3.0	154E–3.0	66–1	5.6,5.6L		
IDC	IX	17 19 36 05.8–.52	48.22N	153.81E	68–4	4.7,4.4b		
GCMT	IX	17 19 36 06.6–.30	48.04N–.02	154.23E–.03	60–2	4.9W,4.4b		
BGR	IX	17 19 36 07.6	49.37N	153.34E	33	4.9b,4.4b		
JMA	IX	17 19 36 07.0–1.2	47N–4.0	154E–8.0	0	5.0,4.4b		
NEIC	IX	17 19 36 07.5–1.5	48.25N–.09	153.9E–.10	88–5	5.0b,4.4b		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109171936A. Moment Tensor Solution. s43,c57; s107,c164; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.91±.14 $M_{\theta\theta}$-1.26±.12; $M_{\phi\phi}$-0.65±.11; $M_{r\theta}$1.72±.08; $M_{\theta\phi}$-1.93±.08; $M_{\phi r}$0.08±.06; Best double couple: NP1:ϕ_s200.00000°,δ38.00000°,λ42.00000°. NP2:ϕ_s75.00000°,δ66.00000°,λ120.00000°. Principal axes: T 2.8390,Plg58.0000°,Azm27.0000°; N 0.4400,Plg27.0000°,Azm241.0000° ; P -3.2840,Plg15.0000°,Azm143.0000° $M_0$3.06200×10^{16}
BGR Event type ke.
JMA Event type ke. FAR FIELD .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(73) El Salvador

ISC	IX	18 14 43 54.1–.31	13.23N–.03	89.65W–.03	62–2	5.0b	976	0-153
UCR	IX	18 14 43 22.6–.72	14.92N	91.33W	20–999	5.2W	¶625372043	
SNET	IX	18 14 43 53.6	13N–1.0	90W–1.0	41–4	5.3,5.3		
GCG	IX	18 14 43 55.9–1.5	13.29N	89.75W	34–8	5.5L,5.5		
NEIC	IX	18 14 43 55.9–2.7	13.34N–.07	89.53W–.08	62–4	5.0,5.0b		
GFZ	IX	18 14 43 55.5–.13	13N–2.0	90W–3.0	62	5.5L,5.4b		
CATAC	IX	18 14 43 55.6–.18	13N–1.0	90W–1.0	39–3	5.6b,5.6b		
GCMT	IX	18 14 43 56.4–.20	13.22N–.02	89.60W–.02	50–1	4.9W,5.6b		
IDC	IX	18 14 43 57.1–.77	13.59N	89.09W	80–5	4.6,4.2b		

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=667.4km s-min=973.9km az=-1.0. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=9.0km s-min=6.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.4km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. Error ellipse: s-maj=3.5km s-min=1.7km az=33.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.20 $M_{\theta\theta}$0.88 $M_{\phi\phi}$0.32 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.02 $M_{\phi r}$0.06 NP1:ϕ_s93.62899°,δ39.13947°,λ-86.19601°. NP2:ϕ_s268.72925°,δ50.96319°,λ-93.09050°. Principal axes: T 0.9075,Plg5.9172°,Azm0.9257°; N 0.3209,Plg2.4001°,Azm270.6768° ; P -1.2284,Plg83.6114°,Azm158.6935° $M_0$1.10349×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.15 $M_{\theta\theta}$0.77 $M_{\phi\phi}$0.38 $M_{r\theta}$0.11 $M_{\theta\phi}$-0.04 $M_{\phi r}$0.11 NP1:ϕ_s99.88754°,δ42.20645°,λ-83.54003°. NP2:ϕ_s271.19658°,δ48.12263°,λ-95.82630°. Principal axes: T 0.7815,Plg2.9666°,Azm5.3184°; N 0.3843,Plg4.3348°,Azm275.0933° ; P -1.1657,Plg84.7441°,Azm129.6060° $M_0$1.02889×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.52 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$-0.34 $M_{r\theta}$2.10 $M_{\theta\phi}$0.00 $M_{\phi r}$-0.15 NP1:ϕ_s94.07596°,δ85.25250°,λ89.67059°. NP2:ϕ_s278.04970°,δ4.75888°,λ93.96008°. Principal axes: T 2.3030,Plg49.7465°,Azm3.7155°; N -0.3370,Plg0.3283°,Azm94.1032° ; P -1.9659,Plg40.2516°,Azm184.3812° $M_0$2.15432×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.66 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-0.30 $M_{r\theta}$2.10 $M_{\theta\phi}$-0.17 $M_{\phi r}$-0.13 NP1:ϕ_s91.79170°,δ83.24687°,λ94.76168°. NP2:ϕ_s236.47892°,δ8.25670°,λ54.96833°. Principal axes: T 2.3286,Plg51.5294°,Azm7.2057°; N -0.3169,Plg4.7286°,Azm271.2305° ; P -2.0118,Plg38.0703°,Azm177.5157° $M_0$2.18749×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.63 $M_{\theta\theta}$1.06 $M_{\phi\phi}$0.57 $M_{r\theta}$0.69 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.47 NP1:ϕ_s93.16491°,δ30.45785°,λ-103.88555°. NP2:ϕ_s289.16688°,δ60.52188°,λ-81.96728°. Principal axes: T 1.2566,Plg15.1630°,Azm13.2910°; N 0.6203,Plg6.9873°,Azm105.1943° ; P -1.8769,Plg73.2336°,Azm219.1980° $M_0$1.65626×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.56 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.17 $M_{r\theta}$2.58 $M_{\theta\phi}$0.36 $M_{\phi r}$-0.12 NP1:ϕ_s92.80880°,δ82.81655°,λ83.31875°. NP2:ϕ_s315.93924°,δ9.79830°,λ132.71059°. Principal axes: T 2.5762,Plg51.7404°,Azm355.1740°; N 0.2075,Plg6.6286°,Azm93.6480° ; P -2.7837,Plg37.4718°,Azm188.7587° $M_0$2.68600×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.82 $M_{\theta\theta}$1.16 $M_{\phi\phi}$0.66 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.14 $M_{\phi r}$-0.27 NP1:ϕ_s103.03680°,δ36.69164°,λ-95.46829°. NP2:ϕ_s289.84485°,δ53.50241°,λ-85.93830°. Principal axes: T 1.2655,Plg8.4197°,Azm16.9427°; N 0.6265,Plg3.2642°,Azm107.4264° ; P -1.8920,Plg80.9611°,Azm218.4352° $M_0$1.66935×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.47 $M_{\theta\theta}$-1.25 $M_{\phi\phi}$-0.22 $M_{r\theta}$1.92 $M_{\theta\phi}$1.01 $M_{\phi r}$-0.01 NP1:ϕ_s97.99993°,δ71.04362°,λ70.18751°. NP2:ϕ_s325.95946°,δ27.15397°,λ134.61940°. Principal axes: T 2.5452,Plg59.1904°,Azm340.0997°; N 0.0467,Plg18.6968°,Azm104.6750° ; P -2.5919,Plg23.5450°,Azm203.1551° $M_0$2.56891×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.60 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$-0.20 $M_{r\theta}$2.21 $M_{\theta\phi}$1.04 $M_{\phi r}$0.03 NP1:ϕ_s96.35805°,δ71.91259°,λ71.21285°. NP2:ϕ_s323.97249°,δ25.85004°,λ134.59777°. Principal axes: T 2.8608,Plg58.8578°,Azm340.2327°; N 0.0188,Plg17.8267°,Azm102.3869° ; P -2.8796,Plg24.6339°,Azm200.8667° $M_0$2.87026×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109181443A. Moment Tensor Solution. s57,c71; s92,c138; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.99±.12 $M_{\theta\theta}$-1.74±.08; $M_{\phi\phi}$-0.24±.10; $M_{r\theta}$2.20±.08; $M_{\theta\phi}$0.84±.07; $M_{\phi r}$0.19±.06; Best double couple: NP1:ϕ_s312.00000°,δ26.00000°,λ125.00000°. NP2:ϕ_s94.00000°,δ69.00000°,λ74.00000°. Principal axes: T 3.0950,Plg63.0000°,Azm340.0000°; N -0.1520,Plg15.0000°,Azm100.0000° ; P -2.9370,Plg23.0000°,Azm196.0000° $M_0$3.01600×10^{16}
IDC Error ellipse: s-maj=18.4km s-min=8.8km az=56.0.

(277) Jawa

ISC	IX	18 23 38 50.3–.52	7.45S–.04	106.77E–.03	79–4	4.5b	290	0-156
NEIC	IX	18 23 38 49.7–2.5	7.40S–.06	106.64E–.05	69–6	4.6b	¶621083001	
GFZ	IX	18 23 38 50.2–.34	8S–5.0	107E–3.0	76–2	5.3b,4.9b		
DJA	IX	18 23 38 52.1–.20	8S–2.0	107E–1.0	44–3	5.6b,5.2b		
IDC	IX	18 23 38 53.0–.71	7.10S	106.84E	97–5	4.3,4.0b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.6km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.3km s-min=3.8km az=31.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=13.8km s-min=9.3km az=59.0.

(173) Tonga Islands

ISC	IX	19 00 19 06.4–.30	20.18S–.04	175.73W–.03	198–2	5.2b	1226	6-177
BJI	IX	19 00 19 02.9	20.04S	175.07W	193	5.1b,4.9b	¶621083003	
MOS	IX	19 00 19 02.7–.88	20.10S	175.82W	171	5.2b,4.9b		
IDC	IX	19 00 19 03.7–1.3	20.07S	175.78W	170–11	5.3,4.8b		
NOU	IX	19 00 19 04.9	20.05S	175.29W	218	5.3b,4.8b		
BGR	IX	19 00 19 05.5	20.57S	175.55W	189–3	5.3b,4.8b		
NEIC	IX	19 00 19 06.7–1.6	20.06S–.08	175.75W–.07	192–4	5.3b,5.2		
GFZ	IX	19 00 19 06.2–.51	20S–4.0	176W–4.0	199–6	5.5b,5.2b		
GCMT	IX	19 00 19 08.1–.20	20.16S–.01	175.43W–.01	199–1	5.2W,5.2b		

ISC Event type ke.
NOU Tonga Islands.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109190019A. Moment Tensor Solution. s98,c157; s137,c236;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53±.01 $M_{\theta\theta}$-0.39±.02; $M_{\phi\phi}$-0.13±.02; $M_{r\theta}$-0.15±.01; $M_{\theta\phi}$0.26±.01; $M_{\phi r}$-0.71±.01; Best double couple: NP1:ϕ_s288.00000°,δ31.00000°,λ36.00000°. NP2:ϕ_s166.00000°,δ72.00000°,λ116.00000°. Principal axes: T 1.0300,Plg55.0000°,Azm109.0000°; N -0.3630,Plg25.0000°,Azm338.0000° ; P -0.6670,Plg23.0000°,Azm236.0000° $M_0$0.84800×10^{17}

(221) Kuril Islands

ISC	IX	21 19 33 52.6–.47	43.48N–.04	146.24E–.04	72–3	4.4b	318	0-93
NEIC	IX	21 19 33 52.8–1.6	43.56N–.07	146.2E–.10	75–7	4.5b	¶621094744	
MOS	IX	21 19 33 52.0–1.1	43.47N	146.27E	62	4.4b		
NIED	IX	21 19 33 53.8	43.47N	146.24E	67	4.1W		
JMA	IX	21 19 33 53.8–.16	43.5N–.50	146.2E–.90	67–1	4.6,4.1		
SKHL	IX	21 19 33 54.0–.40	43.50N	146.30E	77–3	5.8b,4.1		
IDC	IX	21 19 33 55.1–2.0	43.66N	146.18E	87–15	4.1,3.8b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.2km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Error ellipse: s-maj=8.5km s-min=6.2km az=108.7. Felt (III-IV) at Goryachyy Plyazh, Yuzhno-Kuril'sk; (III) at Golovnino, Malokuril'skoye. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.68 $M_{r\theta}$-1.20 $M_{\theta\phi}$-0.50 $M_{\phi r}$-0.82 NP1:ϕ_s3.00000°,δ20.00000°,λ43.00000°. NP2:ϕ_s232.00000°,δ76.00000°,λ105.00000°. $M_0$1.69000×10^{15}
JMA Event type fe. NEAR KUNASHIRI ISLAND .
IDC Error ellipse: s-maj=16.4km s-min=13.1km az=156.0.

(179) South of Kermadec Islands

ISC	IX	22 02 37 31.7–.95	35.26S–.07	178.96E–.08	215–8	4.0b	123	2-153
NEIC	IX	22 02 37 25.5–1.9	34.7S–.10	179.3E–.10	156–6	4.2b	¶621241026	
WEL	IX	22 02 37 28.2–.79	35S–6.0	179E–9.0	145–22	6.1b,5.8		
IDC	IX	22 02 37 30.1–1.8	35.13S	178.92E	200–16	4.4,3.9b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=16.5km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=13.0km s-min=6.1km az=112.8. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=23.1km s-min=20.5km az=93.0.

(288) Savu Sea

ISC	IX	22 05 21 01.6–.62	9.59S–.03	121.26E–.03	105–6	4.5b	174	1-121
GFZ	IX	22 05 21 01.8–.20	10S–2.0	121E–3.0	111–3	6.1b,5.8	¶621094781	
NEIC	IX	22 05 21 02.0–2.2	9.54S–.06	121.15E–.07	98–7	4.4b,5.8		
DJA	IX	22 05 21 03.6–.20	10S–2.0	121E–1.0	90–4	5.5b,5.0		
IDC	IX	22 05 21 04.9–1.4	9.38S	121.47E	133–13	4.4,4.0b		

ISC Event type se.
GFZ Error ellipse: s-maj=5.7km s-min=5.2km az=51.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.6km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.9km s-min=8.4km az=59.0.

(193) Bougainville-Solomon Islands region

ISC	IX	23 18 59 38.6–.29	7.01S–.05	155.86E–.05	100	4.7b	241	5-161
BJI	IX	23 18 59 36.6	6.67S	156.15E	93	5.0b,4.6b	¶621125875	
IDC	IX	23 18 59 36.9–1.6	6.97S	155.80E	79–14	4.6,4.3b		
GFZ	IX	23 18 59 38.2–.65	7S–3.0	156E–3.0	97–6	5.1L,4.8b		
NEIC	IX	23 18 59 38.6–1.9	7.05S–.09	155.79E–.08	97–6	4.9b,4.8b		
DJA	IX	23 18 59 40.5–.60	7S–6.0	156E–6.0	113–6	6.2b,5.8		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(266) Northern Molucca Sea

ISC	IX	24 11 35 15.4–.59	2.84N–.03	127.21E–.04	77–6	4.7b	230	1-122
BJI	IX	24 11 35 09.2	2.35N	127.69E	70	5.0b,4.8b	¶621109404	
IDC	IX	24 11 35 14.1–1.5	2.82N	127.21E	62–15	4.4,4.1b		
DJA	IX	24 11 35 14.2–.20	3N–2.0	127E–1.0	10	5.5b,5.1b		
NEIC	IX	24 11 35 15.2–1.1	2.84N–.07	127.24E–.09	69–7	4.7b,5.1b		
MAN	IX	24 11 35 18.0	2.88N	126.63E	83	5.4b,4.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.6km s-min=8.3km az=70.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.1km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.

(250) Mindoro

ISC	IX	26 17 12 05.6–.21	13.85N–.02	120.49E–.02	96–1	5.6b	2106	0-177
BGR	IX	26 17 11 57.3	13.63N	120.75E	33	5.5b,5.1s	¶621110432	
BJI	IX	26 17 12 04.5	13.92N	120.74E	101	5.9b,5.7b		
PTWC	IX	26 17 12 04	13.80N	120.70E	76	5.7,5.7b		
MAN	IX	26 17 12 04.9	13.83N	120.40E	76	6.1b,5.7s		
NEIC	IX	26 17 12 05.2–2.5	13.89N–.07	120.51E–.08	83–1	5.7b,5.7		
NEIC	IX	26 17 12 06.3	13.93N	120.43E	89	5.7b,5.7		
GFZ	IX	26 17 12 06.2	13.86N	120.63E	98	5.6W,5.7		
GFZ	IX	26 17 12 06.2–.15	14N–1.0	121E–2.0	100–1	6.5,6.0b		
NEIC	IX	26 17 12 06.5	13.95N	120.40E	91	6.5,6.0b		
DJA	IX	26 17 12 06.8–.30	14N–2.0	121E–2.0	118–4	5.8b,5.6b		
GCMT	IX	26 17 12 07.3–.10	13.95N	120.36E	87–0	5.7W,5.6b		
IDC	IX	26 17 12 07.6–1.1	13.86N	120.69E	116–9	5.5,5.2b		
IPGP	IX	26 17 12 07.0	13.93N	120.54E	82	5.8W,5.2b		
MOS	IX	26 17 12 08.2–.78	13.86N	120.69E	138	5.6b,4.9s		
NEIC	IX	26 17 12 15	13.95N	120.61E	90	5.7,4.9s		

ISC Event type fe.
BGR Event type ke.
MAN Event type fe. INTENSITY IV - CITY OF CALOOCAN; CITY OF LAS PINAS; CITY OF MALABON; CITY OF MANDALUYONG; CITY OF MANILA; CITY OF MARIKINA; CITY OF MUNTINLUPA; CITY OF PARANAQUE; PATEROS; CITY OF SAN JUAN; CITY OF TAGUIG; CITY OF MALOLOS AND OBANDO BULACAN; BALAYAN BAUAN CALATAGAN LEMERY LIAN CITY OF LIPA MABINI MALVAR MATAASNAKAHOY NASUGBU TAAL AND TUY BATANGAS; AMADEO CITY OF BACOOR CITY OF CAVITE CITY OF DASMARINAS CITY OF GENERAL TRIAS NAIC CITY OF TAGAYTAY AND TANZA CAVITE; CITY OF BINAN AND CITY OF CABUYAO LAGUNA; SAN MATEO AND TANAY RIZAL; ABRA DE ILOG LOOC LUBANG MAMBURAO RIZAL AND SABLAYAN OCCIDENTAL MINDORO; BACO CITY OF CALAPAN GLORIA NAUJAN POLA AND PUERTO GALERA ORIENTAL MINDORO ; . INTENSITY III - CITY OF MAKATI; QUEZON CITY; PASAY CITY; CITY OF PASIG; CITY OF VALENZUELA; FLORIDABLANCA PAMPANGA; CITY OF STO. TOMAS AND TINGLOY BATANGAS; CITY OF ANTIPOLO RIZAL; BOAC MARINDUQUE; SANTA CRUZ OCCIDENTAL MINDORO; BANSUD AND SOCORRO ORIENTAL MINDORO; . INTENSITY II - CITY OF GAPAN AND CITY OF PALAYAN NUEVA ECIJA; LOS BANOS LAGUNA ; . INTENSITY I - ARAYAT PAMPANGA.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.1km az=251.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.70 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-3.87 $M_{r\theta}$1.98 $M_{\theta\phi}$1.54 $M_{\phi r}$1.53 NP1:ϕ_s16.26000°,δ63.14000°,λ132.16000°. NP2:ϕ_s132.78000°,δ48.60000°,λ37.04000°. Principal axes: T 4.6008,Plg52.0000°,Azm337.0000°; N -0.1554,Plg37.0000°,Azm174.0000°; P -4.4454,Plg9.0000°,Azm78.0000° $M_0$4.53000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.95 $M_{\theta\theta}$0.10 $M_{\phi\phi}$-1.05 $M_{r\theta}$1.72 $M_{\theta\phi}$2.17 $M_{\phi r}$1.49 NP1:ϕ_s105.55398°,δ60.54747°,λ28.53483°. NP2:ϕ_s0.58550°,δ65.42037°,λ147.26882°. Principal axes: T 3.6728,Plg39.9271°,Azm321.4511°; N -0.9461,Plg49.9060°,Azm147.6768° ; P -2.7267,Plg3.0702°,Azm54.0240° $M_0$3.30301×10^{17}
GFZ Error ellipse: s-maj=4.3km s-min=2.8km az=86.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109261712A. Moment Tensor Solution. s149,c299; s160,c375;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.68±.04 $M_{\theta\theta}$1.85±.04; $M_{\phi\phi}$-3.53±.04; $M_{r\theta}$2.46±.03; $M_{\theta\phi}$2.73±.04; $M_{\phi r}$1.75±.03; Best double couple: NP1:ϕ_s120.00000°,δ58.00000°,λ25.00000°. NP2:ϕ_s16.00000°,δ69.00000°,λ145.00000°. Principal axes: T 5.3710,Plg39.0000°,Azm334.0000°; N -0.6150,Plg50.0000°,Azm169.0000° ; P -4.7560,Plg7.0000°,Azm70.0000° $M_0$5.06300×10^{17}
IDC Error ellipse: s-maj=11.4km s-min=6.3km az=75.0.
IPGP Moment Tensor Solution. NP1:ϕ_s14.00000°,δ70.00000°,λ144.00000°. NP2:ϕ_s118.00000°,δ56.00000°,λ24.00000°.

MOS Error ellipse: s-maj=6.2km s-min=3.7km az=110.3.
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.60 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-2.40 $M_{r\theta}$2.13 $M_{\theta\phi}$2.57 $M_{\phi r}$1.60 NP1:ϕ_s114.56000°,δ55.26000° ,λ39.88000°. NP2:ϕ_s359.10000°,δ58.20000°,λ137.90000°. Principal axes: T 4.7705,Plg51.0000°,Azm325.0000°; N -0.6715,Plg39.0000°,Azm149.0000° ; P -4.0990,Plg2.0000°,Azm57.0000° $M_0$4.47000×10^{17}

(263) Talaud Islands

ISC	**IX**	**28 11 10 19.9–.61**	**3.13N–.03**	**126.26E–.04**	**102–6**	**4.4b**	**316**	**1-123**
GFZ	IX	28 11 10 19.4–.21	3N–2.0	126E–3.0	101	5.4b,5.0L		**¶621112101**
NEIC	IX	28 11 10 20.4–1.1	3.09N–.06	126.16E–.07	102–7	4.4b,5.0L		
DJA	IX	28 11 10 20.4–.20	3N–2.0	126E–2.0	95–2	6.3,6.2		
MAN	IX	28 11 10 20.0	3.23N	126.28E	97	5.3b,4.5s		
IDC	IX	28 11 10 21.7–1.4	3.10N	126.16E	123–12	4.3,3.9b		

ISC Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.9km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=17.2km s-min=7.7km az=79.0.

(69) Near coast of Chiapas

ISC	**IX**	**29 03 51 32.8–.87**	**14.72N–.04**	**92.53W–.03**	**72–6**		**111**	**0-52**
NEIC	IX	29 03 51 32.9–.97	14.70N–.08	92.53W–.03	72–5	4.3,4.2b		**¶622499453**
GCG	IX	29 03 51 33.5–.73	14.66N	92.40W	68–7	4.6,4.2b		
CATAC	IX	29 03 51 34.6–.36	15N–4.0	92W–3.0	59–5	7.0b,6.9		
MEX	IX	29 03 51 34.6–.75	14.73N	92.45W	76–7	4.3,6.9		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=2.4km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=5.7km s-min=6.2km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=10.4km s-min=2.4km az=36.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=7.4km s-min=7.4km az=-1.0. Presumed earthquake.

(186) Vanuatu Islands

ISC	**IX**	**30 12 07 54.0–.35**	**13.82S–.04**	**167.25E–.04**	**176–2**	**4.9b**	**677**	**2-169**
NEIC	IX	30 12 07 53.9	13.77S	167.11E	163	4.9b		**¶621113675**
BJI	IX	30 12 07 53.2	13.47S	167.30E	172	5.3b,5.1b		
IDC	IX	30 12 07 53.9–.50	13.81S	167.20E	171–4	5.1,4.6b		
NOU	IX	30 12 07 54.1	13.80S	167.31E	182	5.3b,4.6b		
NEIC	IX	30 12 07 54.4–1.9	13.80S–.07	167.14E–.09	170–3	4.9b,4.6b		
GFZ	IX	30 12 07 54.6–.37	14S–3.0	167E–3.0	172–3	5.5b,5.1b		
GCMT	IX	30 12 07 55.7–.20	13.81S–.02	167.05E–.01	181–1	5.1W,5.1b		
NEIC	IX	30 12 07 55.5	13.67S	167.11E	180	5.1,5.1b		

ISC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=9.2km az=91.0.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.0km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=7.1km s-min=6.4km az=159.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109301207A. Moment Tensor Solution. s53,c70; s120,c172; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.72±.13 $M_{\theta\theta}$-1.72±.15; $M_{\phi\phi}$-3.00±.16; $M_{r\theta}$0.62±.13; $M_{\theta\phi}$2.17±.15; $M_{\phi r}$-3.90±.13; Best double couple: NP1:ϕ_s310.00000°,δ28.00000° ,λ63.00000°. NP2:ϕ_s160.00000°,δ65.00000°,λ104.00000°. Principal axes: T 6.3560,Plg67.0000°,Azm95.0000°; N -0.5100,Plg12.0000°,Azm334.0000° ; P -5.8470,Plg19.0000°,Azm240.0000° $M_0$6.10100×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}3.91 $M_{\theta\theta}$-1.73 $M_{\phi\phi}$-2.18 $M_{r\theta}$1.40 $M_{\theta\phi}$2.01 $M_{\phi r}$-2.27 NP1:ϕ_s312.51000°,δ28.42000° ,λ80.00000°. NP2:ϕ_s143.85000°,δ62.05000°,λ95.37000°. Principal axes: T 4.7489,Plg72.0000°,Azm67.0000°; N 0.0234,Plg5.0000°,Azm321.0000° ; P -4.7723,Plg17.0000°,Azm230.0000° $M_0$4.76000×10^{16}

(249) Luzon

ISC	**X**	**01 12 48 23.5–.52**	**18.58N–.03**	**121.13E–.04**	**75–5**	**4.5b**	**295**	**0-116**
DJA	X	01 12 48 19.2–.30	18N–3.0	121E–4.0	10	5.3b,5.0		**¶621116076**
MAN	X	01 12 48 21.6	18.73N	121.04E	50	5.5b,4.8s		
NEIC	X	01 12 48 22.5–1.3	18.48N–.02	121.2E–.10	66–7	4.5b,4.8s		
GFZ	X	01 12 48 24.1–.39	19N–3.0	121E–4.0	70–4	5.6b,5.0		
BJI	X	01 12 48 24.0	18.55N	120.97E	66	4.5b,4.4b		
IDC	X	01 12 48 26.8–1.8	18.46N	121.31E	113–17	4.4,3.9b		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - FLORA APAYAO; BACARRA BANGUI BURGOS PAGUDPUD AND PASUQUIN ILOCOS NORTE; ABULUG ALLACAPAN CLAVERIA PAMPLONA AND SANCHEZ-MIRA CAGAYAN ; . INTENSITY III - CITY OF BATAC CITY OF LAOAG AND SAN NICOLAS ILOCOS NORTE; ALCALA AMULUNG SANTA ANA AND SANTA PRAXEDES CAGAYAN; . INTENSITY II - CURRIMAO ILOCOS NORTE; PENABLANCA AND TUGUEGARAO CITY CAGAYAN ; . INTENSITY I - BADOC ILOCOS NORTE; SINAIT ILOCOS SUR.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=2.6km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=15.4km s-min=9.3km az=71.0.

(7) Andreanof Islands

ISC	**X**	**01 21 21 41.0–.53**	**52.19N–.08**	**176.13W–.03**	**135–4**	**4.7b**	**414**	**0-152**
MOS	X	01 21 21 40.2–.90	52.37N	176.22W	135	4.5b		**¶621116388**
GFZ	X	01 21 21 41.0–.47	52N–7.0	176W–3.0	128–4	6.6,6.5		
NEIC	X	01 21 21 41.7–1.2	52.2N–.10	176.15W–.08	129–4	4.8L,4.7b		
AEIC	X	01 21 21 41.6–1.8	52.2N–.10	176.12W–.07	120–4	4.8L,4.7b		
IDC	X	01 21 21 44.0–1.9	52.37N	176.20W	157–16	4.3,3.9b		

ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=7.8km az=89.3.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.6km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.2km az=169.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=8.8km az=175.0.

(249) Luzon

ISC	**X**	**03 00 45 42.0–.45**	**13.85N–.05**	**120.74E–.09**	**150**	**4.3b**	**88**	**0-93**
IDC	X	03 00 45 39.5–.62	13.85N	120.79E	126–4	4.2,4.0s		**¶621117070**
DJA	X	03 00 45 41.0–2.7	14N–12	121E–24	198–17	6.2b,5.8		
NEIC	X	03 00 45 42.6–1.3	13.84N–.05	120.7E–.10	148–5	4.4b,5.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(99) Northern Colombia

ISC	**X**	**05 19 37 46.9–.46**	**6.84N–.03**	**73.07W–.03**	**154–4**	**4.7b**	**399**	**0-159**
RSNC	X	05 19 37 47.3–.00	7N–3.0	73W–3.0	154–5	5.5b,5.5b		**¶621125947**
NEIC	X	05 19 37 47.9–2.4	6.90N–.04	72.97W–.07	150–4	4.7b,5.5b		
CATAC	X	05 19 37 47.1–.63	7N–3.0	73W–5.0	156–6	5.2,4.7		
IDC	X	05 19 37 48.5–1.3	6.74N	72.98W	167–12	4.6,4.1b		
FUNV	X	05 19 37 48.0	6.78N	73.14W	166	5.0W,4.1b		
GFZ	X	05 19 37 48.2–.52	7N–3.0	73W–4.0	159–6	5.4b,5.0b		
UPA	X	05 19 39 10.6–.30	7.43N	79.29W	10	2.3W,5.0b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=10.9km s-min=5.2km az=100.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=13.9km s-min=9.5km az=66.0.
FUNV Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
UPA Event type se. Error ellipse: s-maj=7.7km s-min=4.3km az=-1.0. Presumed earthquake.

(280) Banda Sea

ISC	**X**	**05 20 59 35.3–.57**	**5.70S–.04**	**130.99E–.05**	**103–6**	**4.5b**	**214**	**2-151**
DJA	X	05 20 59 34.8–.20	6S–2.0	131E–2.0	10	5.6b,5.2b		**¶621126138**
GFZ	X	05 20 59 35.6–.16	6S–2.0	131E–2.0	107	5.2b,4.6b		
NEIC	X	05 20 59 36.0–1.9	5.70S–.05	130.97E–.07	102–6	4.5b,4.6b		
IDC	X	05 20 59 39.2–.71	5.73S	131.03E	131–6	4.4,3.9b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.9km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.4km s-min=11.8km az=61.0.

(221) Kuril Islands

ISC	**X**	**06 13 06 12.7–.43**	**49.54N–.05**	**156.03E–.04**	**91–3**	**4.8b**	**835**	**1-146**
BGR	X	06 13 06 06.3	48.52N	153.65E	33	4.8b		**¶621126475**
KRSC	X	06 13 06 08.8–1.8	49.40N	156.16E	88–27	5.6L		
BJI	X	06 13 06 09.7	49.69N	156.27E	102	4.6b,4.4b		
MOS	X	06 13 06 11.3–.92	49.58N	155.83E	91	4.8b,4.4b		
NEIC	X	06 13 06 12.8–1.6	49.64N–.08	155.7E–.10	83–4	4.6b,4.4b		
IDC	X	06 13 06 12.5–.60	49.74N	155.62E	75–5	4.6,4.3b		
GFZ	X	06 13 06 13.1–.49	50N–3.0	156E–3.0	82–4	5.7b,5.2		

ISC Event type ke.
BGR Event type ke.
KRSC Event type se. Felt [IV] at Severo-Kurilsk; [II-III] at cape Vasilyeva, Podgornay, Paujetka.
MOS Event type fe. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(159) North Island

ISC	**X**	**07 00 09 20.5–.52**	**39.27S–.04**	**174.69E–.04**	**221–4**	**4.5b**	**374**	**0-179**
NOU	X	07 00 09 19.0	39.32S	174.78E	217	4.9		**¶621126654**
NEIC	X	07 00 09 20.3–1.7	39.23S–.06	174.68E–.08	216–5	4.5b		
GFZ	X	07 00 09 20.2–.24	39S–3.0	175E–4.0	208–2	6.1b,5.7		
IDC	X	07 00 09 20.8–1.4	39.07S	174.75E	224–14	4.6,4.1b		
WEL	X	07 00 09 22.4	39.20S	174.76E	212	4.7W,4.7L		
WEL	X	07 00 09 22.4–.84	39S–7.0	175E–6.0	200–6	4.7,4.0L		

ISC Event type se.
NOU North Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL Stations used: BFZ BKZ GRZ HIZ KHEZ KUZ MKAZ MRZ MWZ NNZ NTVZ OTVZ. OBLIQUE-REVERSE FAULTING. Moment Tensor Solution. s20 Moment tensor: Scale 10^{16} Nm; M_{rr}0.26 $M_{\theta\theta}$0.55 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.84 $M_{\theta\phi}$-0.74 $M_{\phi r}$-0.33 NP1:ϕ_s63.00000°,δ67.00000° ,λ152.00000°. NP2:ϕ_s165.00000°,δ64.00000°,λ25.00000°. Principal axes: T 1.5159,Plg36.0000°,Azm23.0000°; N -0.3796,Plg54.0000°,Azm207.0000° ; P -1.1363,Plg2.0000°,Azm115.0000° $M_0$1.37000×10^{16}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

(228) Near east coast of eastern Honshu

ISC	**X**	**07 13 41 24.0–.20**	**35.52N–.02**	**140.06E–.02**	**65–1**	**6.1b**	**2456**	**0-168**
BJI	X	07 13 41 16.7	35.47N	140.67E	60	6.0b,5.8b		**¶626629702**
KEA	X	07 13 41 18.2	35.62N	141.04E	33	5.0s,5.8b		
MOS	X	07 13 41 22.8–.97	35.56N	140.02E	61	6.5b,5.5s		
PTWC	X	07 13 41 23	35.60N	140.30E		5.9,5.5s		
BGR	X	07 13 41 23.5	35.93N	140.40E	33	6.6,6.4b		
JMA	X	07 13 41 23.1–.14	35.6N–.30	140.1E–.50	75–1	6.0W,5.9		
NIED	X	07 13 41 23.1	35.59N	140.10E	75	5.9W,5.9		
NEIC	X	07 13 41 24.2	35.56N	140.06E	58	5.9W,5.9		
GFZ	X	07 13 41 24.3	35.48N	140.16E	69	5.9W,5.9		
NEIC	X	07 13 41 24.2	35.56N	140.06E	58	5.9W,5.9		
IPGP	X	07 13 41 24.0	35.57N	140.11E	68	5.9W,5.9		
IDC	X	07 13 41 24.2–.35	35.49N	140.02E	68–3	6.0,5.7b		
GFZ	X	07 13 41 24.3–.32	35N–1.0	140E–2.0	63–2	6.4b,6.3b		
NEIC	X	07 13 41 24.5–2.2	35.57N–.05	140.07E–.08	62–1	6.1b,5.9		
GCMT	X	07 13 41 27.5–.10	35.53N	140.21E	57–0	6.0W,5.9		
NEIC	X	07 13 41 31.7	35.56N	140.06E	60	5.9,5.9		

ISC Event type ke.
MOS Error ellipse: s-maj=6.0km s-min=3.2km az=117.7.
BGR Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}6.89 $M_{\theta\theta}$0.51 $M_{\phi\phi}$-7.39 $M_{r\theta}$1.79 $M_{\theta\phi}$0.91 $M_{\phi r}$5.45 NP1:ϕ_s158.00000°,δ29.00000°,λ63.00000°. NP2:ϕ_s9.00000° ,δ65.00000°,λ104.00000°. $M_0$9.21000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.37 $M_{\theta\theta}$1.00 $M_{\phi\phi}$-8.36 $M_{r\theta}$1.18 $M_{\theta\phi}$0.16 $M_{\phi r}$4.29 NP1: ϕ_s169.07773°,δ31.50839°,λ73.84931°. NP2:ϕ_s7.83902°,δ59.86777°,λ99.67675°. Principal axes: T 8.6446,Plg73.2993°,Azm302.2703°; N 0.8139,Plg8.3590°,Azm182.9465° ; P -9.4585,Plg14.3526°,Azm90.7919° $M_0$9.07896×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s195.00000°,δ34.00000°,λ95.00000°. NP2:ϕ_s9.00000° ,δ57.00000°,λ87.00000°.
IDC Error ellipse: s-maj=7.2km s-min=5.5km az=53.0.
GFZ Error ellipse: s-maj=5.1km s-min=3.2km az=96.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.9km az=276.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}9.48 $M_{\theta\theta}$-1.67 $M_{\phi\phi}$-7.80 $M_{r\theta}$1.56 $M_{\theta\phi}$-0.45 $M_{\phi r}$3.52 NP1:ϕ_s11.09000°,δ56.74000°,λ96.59000°. NP2:ϕ_s179.20000°,δ33.84000° ,λ80.07000°. Principal axes: T 10.3406,Plg77.0000°,Azm303.0000°; N -1.7655,Plg6.0000° ,Azm187.0000°; P -8.5751,Plg12.0000°,Azm96.0000° $M_0$9.58000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110071341A. Moment Tensor Solution. s157,c361; s167,c563;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}1.01±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-1.12±.01; $M_{r\theta}$0.03±.01; $M_{\theta\phi}$-0.00±.01; $M_{\phi r}$0.47±.01; Best double couple: NP1:ϕ_s178.00000°,δ33.00000°,λ87.00000°. NP2:ϕ_s2.00000°,δ57.00000°,λ92.00000°. Principal axes: T 1.1090,Plg78.0000°,Azm278.0000°; N 0.1160,Plg2.0000°,Azm181.0000° ; P -1.2180,Plg12.0000°,Azm90.0000° $M_0$1.16400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{17}Nm; M_{rr}7.83 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$-7.83 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.55 $M_{\phi r}$3.60 NP1:ϕ_s178.36000°,δ32.63000° ,λ93.96000°. NP2:ϕ_s353.67000°,δ57.46000°,λ87.47000°. Principal axes: T 8.6466,Plg77.0000°,Azm255.0000°; N 0.0225,Plg2.0000°,Azm355.0000° ; P -8.6691,Plg12.0000°,Azm85.0000° $M_0$8.66000×10^{17}

(250) Mindoro

ISC	**X**	**07 18 14 53.5–.27**	**13.90N–.02**	**120.58E–.03**	**157–2**	**5.0b**	**924**	**0-152**
MOS	X	07 18 14 51.4–.81	13.91N	120.76E	155	5.2b		**¶621131626**
GCMT	X	07 18 14 52.8–.20	13.98N–.01	120.60E–.01	149–1	5.4W		
IDC	X	07 18 14 52.0–.32	13.91N	120.69E	144–2	4.9,4.4b		
MAN	X	07 18 14 52.3	13.93N	120.48E	129	5.8b,5.2s		
BJI	X	07 18 14 53.0	13.77N	120.90E	184	5.1b,4.8b		
BGR	X	07 18 14 53.2	14.08N	120.78E	145	5.0b,4.8b		
DJA	X	07 18 14 53.7–.50	14N–3.0	121E–3.0	179–7	5.2b,5.2		
NEIC	X	07 18 14 54.5	14.04N	121.00E	170	5.3,5.2		
NEIC	X	07 18 14 54.0–2.4	13.94N–.07	120.69E–.08	160–4	5.1b,5.2		
NEIC	X	07 18 14 54.1	13.94N	120.69E	161	5.1b,5.2		
GFZ	X	07 18 14 56.0–.45	14N–2.0	121E–4.0	178–6	5.3b,5.2		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110071814A. Moment Tensor Solution. s95,c141; s121,c222;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.02 $M_{\theta\theta}$-0.17±.03; $M_{\phi\phi}$-0.76±.03; $M_{r\theta}$-0.06±.02; $M_{\theta\phi}$0.29±.03; $M_{\phi r}$-1.07±.03; Best double couple: NP1: ϕ_s325.00000°,δ23.00000°,λ61.00000°. NP2:ϕ_s176.00000°,δ70.00000°,λ101.00000°. Principal axes: T 1.4680,Plg63.0000°,Azm104.0000°; N -0.1360,Plg11.0000°,Azm352.0000°

; P -1.3330,Plg24.0000°,Azm257.0000° $M_0$1.40100×10^{17}
MAN Event type fe. INTENSITY II - CALATAGAN BATANGAS; LOOC AND LUBANG OCCIDENTAL MINDORO; . INTENSITY I - SANTA CRUZ OCCIDENTAL MINDORO; PUERTO GALERA ORIENTAL MINDORO.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.05 $M_{\theta\phi}$0.29 $M_{\phi r}$-0.83 NP1:ϕ_s319.09000°,δ22.66000° ,λ60.24000°. NP2:ϕ_s170.87000°,δ70.46000°,λ101.71000°. Principal axes: T 1.1035,Plg63.0000°,Azm99.0000°; N -0.0342,Plg11.0000°,Azm347.0000° ; P -1.0693,Plg25.0000°,Azm252.0000° $M_0$1.09000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(296) Myanmar

ISC	**X**	**07 18 28 04.4–.21**	**22.30N–.02**	**94.68E–.02**	**125–1**	**5.3b**	**1705**	**1-164**
BGR	X	07 18 27 52.6	21.68N	94.64E	33	5.2b,4.6s		**¶621131627**
NEIC	X	07 18 28 03.7–1.6	22.31N–.05	94.77E–.06	110–1	5.4b,5.4		
BJI	X	07 18 28 03.1	22.29N	94.64E	130	5.7b,5.5b		
NEIC	X	07 18 28 03.7	22.32N	94.77E	110	5.7b,5.5b		
BKK	X	07 18 28 04.3–.40	22N–3.0	95E–5.0	123–7	5.7,5.6b		
GCMT	X	07 18 28 04.9–.10	22.21N–.01	94.79E–.01	139–0	5.5W,5.6b		
NEIC	X	07 18 28 04.2	22.32N	94.74E	114	5.5W,5.6b		
NEIC	X	07 18 28 04	22.32N	94.12E	130	5.5,5.6b		
IDC	X	07 18 28 04.2–.36	22.37N	94.78E	120–2	5.3,4.9b		
MOS	X	07 18 28 04.3–.91	22.31N	94.85E	138	5.3b,4.9b		
GFZ	X	07 18 28 05.2	22.27N	94.78E	121	5.5W,4.9b		
GFZ	X	07 18 28 05.2–.11	22N–2.0	95E–1.0	124–1	5.8b,5.5		
NDI	X	07 18 28 11.2–3.9	22.42N	94.06E	115–11	5.6L,5.6b		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.2km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.27 $M_{r\theta}$-1.17 $M_{\theta\phi}$-0.30 $M_{\phi r}$-0.95 NP1:ϕ_s73.27000°,δ17.79000°,λ108.51000°. NP2:ϕ_s233.91000° ,δ73.16000°,λ84.18000°. Principal axes: T 1.9045,Plg61.0000°,Azm135.0000° ; N -0.1793,Plg6.0000°,Azm236.0000°; P -1.7252,Plg28.0000°,Azm329.0000° $M_0$1.82000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110071828A. Moment Tensor Solution. s119,c202; s149,c326;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.14±.03 $M_{\theta\theta}$-2.17±.03; $M_{\phi\phi}$0.03±.03; $M_{r\theta}$-0.95±.03; $M_{\theta\phi}$-0.34±.03; $M_{\phi r}$-1.08±.03; Best double couple: NP1: ϕ_s99.00000°,δ34.00000°,λ122.00000°. NP2:ϕ_s242.00000°,δ61.00000°,λ70.00000°. Principal axes: T 2.7100,Plg67.0000°,Azm114.0000°; N -0.2060,Plg17.0000°,Azm252.0000° ; P -2.5020,Plg14.0000°,Azm346.0000° $M_0$2.60600×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.04 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$-0.95 $M_{r\theta}$-1.03 $M_{\theta\phi}$-0.53 $M_{\phi r}$-0.48 NP1:ϕ_s44.86000°,δ29.44000° ,λ79.84000°. NP2:ϕ_s236.49000°,δ61.07000°,λ95.69000°. Principal axes: T 2.3762,Plg73.0000°,Azm161.0000°; N -0.5091,Plg5.0000°,Azm54.0000° ; P -1.8670,Plg16.0000°,Azm322.0000° $M_0$2.17000×10^{17}
IDC Error ellipse: s-maj=7.6km s-min=5.7km az=33.0.
MOS Error ellipse: s-maj=6.2km s-min=3.1km az=121.7.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$-1.67 $M_{\phi\phi}$0.03 $M_{r\theta}$-0.75 $M_{\theta\phi}$-0.20 $M_{\phi r}$-0.77 NP1: ϕ_s100.03158°,δ34.09509°,λ120.60102°. NP2:ϕ_s244.49773°,δ61.15123°,λ70.98637°. Principal axes: T 2.0613,Plg67.9322°,Azm116.6787°; N -0.1561,Plg16.5804°,Azm253.9377° ; P -1.9051,Plg14.1453°,Azm348.2411° $M_0$1.98779×10^{17}
GFZ Error ellipse: s-maj=3.9km s-min=2.8km az=31.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NDI Event type se. Error ellipse: s-maj=6.6km s-min=13.1km az=-1.0. Presumed earthquake.

(706) Northern Sumatera

ISC	**X**	**08 10 04 53.5–.25**	**4.42N–.03**	**95.45E–.03**	**64–1**	**5.2b**	**1145**	**0-160**
BJI	X	08 10 04 49.3	4.19N	95.31E	68	5.3b,4.5s		**¶621134200**
MOS	X	08 10 04 51.7–1.0	4.50N	95.53E	63	5.4b,4.5s		
DJA	X	08 10 04 52.9–.20	4N–1.0	95E–1.0	58–1	6.8,6.6		
NEIC	X	08 10 04 53.4–1.1	4.41N–.06	95.43E–.08	61–5	5.2b,6.6		
IDC	X	08 10 04 53.9–.46	4.57N	95.52E	63–3	4.8,4.6b		
GFZ	X	08 10 04 54.2–.19	4N–3.0	95E–3.0	64–1	5.7b,5.2		
BKK	X	08 10 04 55.2–.80	4N–3.0	96E–8.0	68–6	5.7L,5.5b		
GCMT	X	08 10 04 57.0–.30	4.35N–.02	95.45E–.02	57–2	4.9W,5.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110081004A. Moment Tensor Solution. s29,c34; s93,c140; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.37±.15 $M_{\theta\theta}$0.03±.11; $M_{\phi\phi}$-0.39±.11; $M_{r\theta}$1.48±.07; $M_{\theta\phi}$-2.52±.08; $M_{\phi r}$0.25±.08; Best double couple: NP1:ϕ_s178.00000°,δ59.00000° ,λ3.00000°. NP2:ϕ_s86.00000°,δ87.00000°,λ149.00000°. Principal axes: T 2.7450,Plg23.0000°,Azm37.0000°; N 0.3880,Plg59.0000°,Azm262.0000° ; P -3.1330,Plg19.0000°,Azm136.0000° $M_0$2.93900×10^{16}

(224) Hokkaido region

ISC	**X**	**09 02 47 33.8–.37**	**42.34N–.03**	**142.02E–.03**	**95–3**	**4.6b**	**538**	**0-152**
BJI	X	09 02 47 30.4	42.23N	142.20E	99	5.0b,4.9b		**¶621143684**
MOS	X	09 02 47 32.7–.97	42.33N	142.06E	102	4.7b,4.9b		
JMA	X	09 02 47 33.3–.17	42.4N–.60	141.9E–.60	97–1	4.6,4.5		
NIED	X	09 02 47 33.3	42.38N	141.94E	97	4.5W,4.5		
IDC	X	09 02 47 33.9–.54	42.37N	142.02E	93–4	4.5,4.1b		
SKHL	X	09 02 47 34.0–.20	42.40N	142.20E	115–5	6.4,5.6b		
GFZ	X	09 02 47 34.2–.30	42N–4.0	142E–5.0	95–3	5.3b,4.8b		
NEIC	X	09 02 47 34.4–1.4	42.37N–.04	141.97E–.08	94–5	4.6b,4.8b		

ISC Event type ke.
JMA Event type fe. S OFF TOMAKOMAI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.41 $M_{\theta\theta}$6.40 $M_{\phi\phi}$-1.99 $M_{r\theta}$2.87 $M_{\theta\phi}$-3.05 $M_{\phi r}$-1.15 NP1:ϕ_s102.00000°,δ31.00000°,λ-99.00000°. NP2:ϕ_s292.00000° ,δ59.00000°,λ-84.00000°. $M_0$6.67000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(190) New Ireland region

ISC	**X**	**09 10 39 13.8–.32**	**4.49S–.04**	**153.38E–.04**	**66–2**	**5.1b**	**448**	**1-158**
BJI	X	09 10 39 12.4	4.28S	153.56E	65	5.2b,5.2b		**¶621143779**
IDC	X	09 10 39 12.4–1.4	4.53S	153.44E	54–11	4.9,4.7b		
GFZ	X	09 10 39 12.9–.35	4S–4.0	153E–6.0	50–3	5.8b,5.3		
NEIC	X	09 10 39 14.3–1.2	4.50S–.09	153.40E–.07	64–6	5.1b,5.3		
DJA	X	09 10 39 15.9–.50	5S–4.0	153E–3.0	78–4	5.4b,5.1		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(124) Chile-Bolivia border region

ISC	**X**	**09 23 33 46.0–.28**	**21.08S–.03**	**68.80W–.04**	**115–2**	**4.7b**	**389**	**1-164**
VAO	X	09 23 33 45.5–.67	20.98S	68.65W	110–5	5.0b		**¶621144060**
SJA	X	09 23 33 45.2–.63	21.14S	68.84W	118–5	4.9L,4.6W		
GFZ	X	09 23 33 45.8–.16	21S–2.0	69W–4.0	122–4	5.7b,5.2		
GUC	X	09 23 33 46.3–.85	21.11S	68.89W	121–5	4.9L,5.2		
NEIC	X	09 23 33 46.3–1.3	21.11S–.03	68.86W–.06	114–4	4.8,4.8b		
IDC	X	09 23 33 47.3–.44	20.98S	68.58W	119–3	4.5,4.0b		

ISC Event type se.
VAO Event type se. Error ellipse: s-maj=3.5km s-min=4.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=5.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.3km s-min=9.4km az=79.0.

(153) South Sandwich Islands region

ISC	**X**	**10 05 25 38.3–.47**	**56.68S–.06**	**27.38W–.07**	**146–3**	**4.9b**	**259**	**6-151**
NEIC	X	10 05 25 38.5–1.2	56.7S–.10	27.4W–.20	143–5	4.9b		**¶621144134**
IDC	X	10 05 25 38.4–.70	56.67S	27.38W	140–5	4.8,4.4b		
GFZ	X	10 05 25 40.3–.31	57S–5.0	28W–4.0	157	5.8b,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(259) Mindanao

ISC	**X**	**10 10 59 08.6–1.0**	**5.15N–.05**	**126.48E–.07**	**119–9**	**3.7b**	**44**	**1-40**
DJA	X	10 10 59 08.5–.80	5N–2.0	126E–3.0	16–6	5.9b,5.5		**¶621235380**
IDC	X	10 10 59 08.8–2.6	5.21N	126.61E	134–42	4.0,3.6b		

ISC Event type se.
IDC Error ellipse: s-maj=94.8km s-min=37.7km az=73.0.

(12) Alaska Peninsula

ISC	**X**	**11 19 40 24.4–.58**	**56.31N–.04**	**156.53W–.03**	**63–5**	**4.8b**	**565**	**1-152**
IDC	X	11 19 40 17.1–.60	56.41N	156.98W	0	4.6L,4.6b		**¶621145648**
BJI	X	11 19 40 21.0	56.30N	156.60W	59	5.4b,4.9b		
GFZ	X	11 19 40 23.9–.18	56N–4.0	157W–2.0	50	6.0,5.9		
NEIC	X	11 19 40 24.2–1.0	56.27N–.04	156.56W–.06	62–5	4.9b,4.3L		
AEIC	X	11 19 40 25.3–1.9	56.29N–.04	156.56W–.05	53–3	4.9b,4.3L		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(221) Kuril Islands

ISC	**X**	**11 23 10 01.6–.19**	**48.29N–.03**	**153.86E–.02**	**85–1**	**5.7b**	**2182**	**3-159**
BGR	X	11 23 09 57.8	48.29N	153.53E	33	6.2,5.8b		**¶626703581**
NEIC	X	11 23 09 58.6	48.34N	153.74E	52	6.2,5.8b		
BJI	X	11 23 09 58.2	48.47N	154.13E	90	5.7b,5.5b		
IPGP	X	11 23 09 59.0	48.31N	153.76E	72	5.9W,5.5b		
KRSC	X	11 23 09 59.4–1.4	48.09N	154.26E	123–30	6.1L,5.5		
NEIC	X	11 23 10 00.5–2.0	48.30N–.08	153.8E–.10	70–1	5.8,5.8b		
NEIC	X	11 23 10 00.5	48.29N	153.77E	70	5.8,5.8b		
SKHL	X	11 23 10 01.1–.50	48.00N	154.50E	121–9	6.8,6.7		
MOS	X	11 23 10 01.7–1.3	48.30N	153.89E	98	5.5b,5.3s		
PTWC	X	11 23 10 02	48.20N	154.10E	110	5.5,5.3s		
IDC	X	11 23 10 02.2–.41	48.28N	153.77E	87–3	5.4,5.1b		
GFZ	X	11 23 10 02.8	48.35N	153.74E	73	5.8W,5.1b		
GFZ	X	11 23 10 03.0–.18	48N–1.0	154E–2.0	87–1	6.1b,6.0L		
GCMT	X	11 23 10 04.2–.10	48.22N	153.98E	80–0	5.8W,6.0L		
JMA	X	11 23 10 06.3–.70	47N–3.0	154E–5.0	2	6.0,5.5		
NEIC	X	11 23 10 09.9	48.29N	153.77E	70	5.8,5.5		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s139.00000°,δ29.00000°,λ178.00000°. NP2:ϕ_s231.00000° ,δ89.00000°,λ61.00000°.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=11.3km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-3.25 $M_{\phi\phi}$2.01 $M_{r\theta}$-4.87 $M_{\theta\phi}$0.73 $M_{\phi r}$-3.77 NP1:ϕ_s134.58000°,δ24.24000°,λ167.04000°. NP2:ϕ_s236.43000°,δ84.72000° ,λ66.31000°. Principal axes: T 6.9916,Plg45.0000°,Azm123.0000°; N -0.3580,Plg24.0000° ,Azm239.0000°; P -6.6337,Plg35.0000°,Azm347.0000° $M_0$6.82000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=4.8km s-min=2.5km az=79.8.
IDC Error ellipse: s-maj=9.3km s-min=7.4km az=146.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.23 $M_{\theta\theta}$-3.49 $M_{\phi\phi}$1.26 $M_{r\theta}$-3.49 $M_{\theta\phi}$-0.41 $M_{\phi r}$-3.18 NP1: ϕ_s116.30992°,δ26.04675°,λ150.00245°. NP2:ϕ_s233.72394°,δ77.31822°,λ67.05830°. Principal axes: T 5.6539,Plg52.2347°,Azm116.9768°; N -0.0217,Plg22.3513°,Azm239.0328° ; P -5.6321,Plg28.6890°,Azm342.0363° $M_0$5.64301×10^{17}
GFZ Error ellipse: s-maj=3.7km s-min=2.8km az=121.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110112309A. Moment Tensor Solution. s160,c345; s168,c437;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.05 $M_{\theta\theta}$-4.13±.06; $M_{\phi\phi}$2.99±.06; $M_{r\theta}$-4.98±.04; $M_{\theta\phi}$0.93±.05; $M_{\phi r}$-3.84±.04; Best double couple: NP1:ϕ_s137.00000°,δ30.00000°,λ170.00000°. NP2:ϕ_s236.00000°,δ85.00000°,λ60.00000°. Principal axes: T 7.4190,Plg42.0000°,Azm118.0000°; N -0.1340,Plg30.0000°,Azm239.0000° ; P -7.2840,Plg33.0000°,Azm351.0000° $M_0$7.35200×10^{17}
JMA Event type ke. FAR FIELD .
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-2.97 $M_{\phi\phi}$1.49 $M_{r\theta}$-4.02 $M_{\theta\phi}$0.96 $M_{\phi r}$-2.39 NP1:ϕ_s137.33000°,δ27.26000° ,λ160.86000°. NP2:ϕ_s244.47000°,δ81.36000°,λ64.04000°. Principal axes: T 5.4782,Plg47.0000°,Azm127.0000°; N -0.1109,Plg26.0000°,Azm249.0000° ; P -5.3673,Plg31.0000°,Azm356.0000° $M_0$5.42000×10^{17}

(163) Cook Strait

ISC	**X**	**12 01 55 00.9–.36**	**40.25S–.03**	**173.49E–.03**	**167–3**	**4.6b**	**410**	**1-178**
IDC	X	12 01 54 57.9–.97	40.26S	173.53E	140–9	4.8,4.3b		**¶621630050**
NOU	X	12 01 54 59.0	40.23S	173.55E	177	5.3,4.3b		
GFZ	X	12 01 55 00.8–.21	40S–3.0	174E–3.0	164	6.2b,5.9		
NEIC	X	12 01 55 01.1–1.4	40.21S–.05	173.48E–.07	164–5	4.8b,5.9		
WEL	X	12 01 55 02.5–.92	40S–4.0	173E–7.0	150–6	5.3,5.1L		
WEL	X	12 01 55 02.6	40.24S	173.49E	150	5.1L,4.8W		

ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=8.3km az=123.0.
NOU Cook Strait, New Zealand.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=2.7km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=102.8. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL Stations used: BFZ BKZ DSZ GVZ HIZ INZ KHEZ KHZ LTZ MRZ NNZ NTVZ. OBLIQUE FAULTING. Moment Tensor Solution. s23 Moment tensor: Scale 10^{16}Nm; M_{rr}0.30 $M_{\theta\theta}$1.10 $M_{\phi\phi}$-1.40 $M_{r\theta}$1.50 $M_{\theta\phi}$0.60 $M_{\phi r}$-0.81 NP1:ϕ_s125.00000°,δ85.00000°,λ51.00000°. NP2: ϕ_s28.00000°,δ39.00000°,λ172.00000°. Principal axes: T 2.2533,Plg38.0000°,Azm0.0000° ; N -0.0861,Plg39.0000°,Azm129.0000°; P -2.1673,Plg29.0000°,Azm245.0000° $M_0$2.21000×10^{16}

(99) Northern Colombia

ISC	**X**	**12 04 51 46.6–.34**	**6.84N–.03**	**73.08W–.03**	**153–3**	**4.9b**	**425**	**0-154**
IDC	X	12 04 51 47.0–1.0	6.80N	72.93W	156–10	4.5,4.0b		**¶621146152**
RSNC	X	12 04 51 46.3–.00	7N–3.0	73W–4.0	156–5	5.5b,5.0		
VAO	X	12 04 51 46.5–.46	6.81N	73.02W	147–2	5.0b,5.0		
CATAC	X	12 04 51 46.5–.64	7N–4.0	73W–5.0	159–6	5.3,4.8		
NEIC	X	12 04 51 47.7–2.0	6.82N–.07	72.99W–.07	152–5	5.0b,4.8		
GFZ	X	12 04 51 47.8–.49	7N–4.0	73W–3.0	155–5	6.1,6.1		
FUNV	X	12 04 51 48.0	6.82N	73.14W	161	5.0W,6.1		

ISC Event type se.
IDC Error ellipse: s-maj=12.6km s-min=9.1km az=70.0.
VAO Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=-1.0. Presumed earthquake.
CATAC Error ellipse: s-maj=10.5km s-min=7.7km az=107.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.3km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
FUNV Event type se. Presumed earthquake.

(186) Vanuatu Islands

ISC	**X**	**14 05 51 55.9–.24**	**15.02S–.03**	**167.46E–.03**	**129–1**	**5.4b**	**975**	**0-169**
BJI	X	14 05 51 54.5	14.67S	167.52E	118	5.6b,5.3b		**¶621148715**
NEIC	X	14 05 51 55.7–1.3	15.05S–.08	167.47E–.10	116–1	5.6,5.5b		
MOS	X	14 05 51 55.0–.97	14.99S	167.28E	123	5.5b,4.9s		
GFZ	X	14 05 51 55.1	15.04S	167.46E	112	5.6W,4.9s		
NEIC	X	14 05 51 56.2	15.10S	167.40E	120	5.6W,4.9s		
NOU	X	14 05 51 56.5	15.02S	167.44E	124	5.2b,4.9s		
NEIC	X	14 05 51 56.2	15.10S	167.40E	120	5.2b,4.9s		
IDC	X	14 05 51 56.1–.48	15.09S	167.40E	126–4	5.2,4.8b		
GFZ	X	14 05 51 56.9–.41	15S–2.0	167E–3.0	128–3	5.8b,5.5		
GCMT	X	14 05 51 57.0–.10	15.02S–.01	167.21E–.01	121–0	5.6W,5.5		
NEIC	X	14 05 52 00.7	15.00S	167.30E	120	5.6,5.5		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=13.5km az=265.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.19 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-3.12 $M_{r\theta}$-0.54 $M_{\theta\phi}$-0.22 $M_{\phi r}$1.23 NP1:ϕ_s354.09000°,δ56.11000°,λ78.77000°. NP2:ϕ_s193.68000°,δ35.49000°,λ106.16000°. Principal axes: T 3.5117,Plg76.0000°,Azm230.0000°; N -0.1522,Plg9.0000°,Azm0.0000°; P -3.3595,Plg10.0000°,Azm92.0000° M_o3.44000×10^{17}
MOS Error ellipse: s-maj=8.8km s-min=6.7km az=125.2.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.35 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-3.39 $M_{r\theta}$-0.54 $M_{\theta\phi}$-0.51 $M_{\phi r}$0.51 NP1:ϕ_s198.23747°,δ42.26399°,λ105.06678°. NP2:ϕ_s358.24833°,δ49.50153°,λ76.70852°. Principal axes: T 3.4845,Plg79.2689°,Azm207.4298°; N 0.0016,Plg10.0685°,Azm6.9704°; P -3.4861,Plg3.6742°,Azm97.6237° M_o3.48533×10^{17}
NEIC Event type se.
NOU Vanuatu Islands.
NEIC Event type se.
IDC Error ellipse: s-maj=9.6km s-min=8.8km az=132.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110140551A. Moment Tensor Solution. s143,c256; s162,c342;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.26±.03 $M_{\theta\theta}$0.34±.03; $M_{\phi\phi}$-3.60±.03; $M_{r\theta}$-0.62±.03; $M_{\theta\phi}$-0.75±.04; $M_{\phi r}$0.83±.03; Best double couple: NP1:ϕ_s204.00000°,δ41.00000°,λ111.00000°. NP2:ϕ_s357.00000°,δ52.00000°,λ72.00000°. Principal axes: T 3.5200,Plg75.0000°,Azm212.0000°; N 0.2890,Plg14.0000°,Azm8.0000°; P -3.8100,Plg6.0000°,Azm99.0000° M_o3.66500×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}3.04 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-2.57 $M_{r\theta}$-0.65 $M_{\theta\phi}$-0.01 $M_{\phi r}$0.69 NP1:ϕ_s189.14000°,δ38.81000°,λ105.46000°. NP2:ϕ_s349.60000°,δ52.84000°,λ77.90000°. Principal axes: T 3.2397,Plg78.0000°,Azm214.0000°; N -0.5841,Plg10.0000°,Azm357.0000°; P -2.6556,Plg7.0000°,Azm88.0000° M_o2.99000×10^{17}

(221) Kuril Islands

ISC	**X**	**16 02 02 13.5–.24**	**45.76N–.03**	**149.35E–.03**	**152–1**	**5.0b**	**1343**	**1-154**
BJI	X	16 02 02 09.9	45.69N	149.55E	145	5.2b,5.1b		**¶621204468**
MOS	X	16 02 02 12.4–1.1	45.84N	149.26E	150	5.1b,5.1b		
SKHL	X	16 02 02 12.0–.20	45.50N	149.70E	143–7	6.1,5.8		
GFZ	X	16 02 02 13.5–.45	46N–2.0	149E–2.0	144–4	6.6,6.5		
NEIC	X	16 02 02 13.5–2.2	45.80N–.07	149.30E–.10	147–4	4.9b,6.5		
IDC	X	16 02 02 13.6–.41	45.86N	149.21E	149–3	4.9,4.5b		
BGR	X	16 02 02 14.9	47.78N	147.77E	33	5.4b,4.5b		
GCMT	X	16 02 02 15.3–.20	45.70N–.01	149.43E–.02	146–2	5.0W,4.5b		
JMA	X	16 02 02 15.8–.55	45N–2.0	149E–3.0	151	5.1,4.9		

ISC Event type ke.
MOS Event type fe. Felt (II) at Malokuril'skoe, Reydovo, Yuzhno-Kuril'sk. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110160202A. Moment Tensor Solution. s37,c50; s109,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.39±.12 $M_{\theta\theta}$0.60±.14; $M_{\phi\phi}$-0.98±.13; $M_{r\theta}$3.57±.09; $M_{\theta\phi}$-0.58±.13; $M_{\phi r}$1.54±.07; Best double couple: NP1:ϕ_s163.00000°,δ14.00000°,λ8.00000°. NP2:ϕ_s65.00000°,δ88.00000°,λ104.00000°. Principal axes: T 4.1540,Plg45.0000°,Azm349.0000°; N -0.2730,Plg14.0000°,Azm244.0000°; P -3.8820,Plg41.0000°,Azm141.0000° M_o4.01800×10^{16}
JMA Event type fe. NEAR ETOROFU ISLAND .

(267) Halmahera

ISC	**X**	**18 00 35 53.0–.62**	**1.34N–.04**	**128.07E–.05**	**119–5**	**4.4b**	**81**	**0-88**
IDC	X	18 00 35 52.1–4.6	1.25N	127.87E	103–50	4.0,3.7b		**¶626704001**
NEIC	X	18 00 35 54.7–1.2	1.28N–.10	127.95E–.06	128–6	4.5b,3.7b		
DJA	X	18 00 35 55.8–.40	1N–3.0	128E–4.0	80–5	6.1b,5.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(186) Vanuatu Islands

ISC	**X**	**18 07 26 51.7–.22**	**13.71S–.03**	**167.03E–.03**	**102–1**	**5.7b**	**1992**	**2-169**
BJI	X	18 07 26 51.1	13.62S	166.92E	100	6.1b,5.8b		**¶621630062**
NEIC	X	18 07 26 51.9	13.71S	166.97E	91	6.1b,5.8b		
NEIC	X	18 07 26 51.6–1.3	13.69S–.07	167.04E–.07	93–1	6.1,5.6b		
IPGP	X	18 07 26 52.0	13.74S	166.94E	96	6.2W,5.6b		
NEIC	X	18 07 26 52.4	13.72S	167.04E	101	6.2W,5.6b		
IDC	X	18 07 26 52.9–.84	13.74S	166.92E	110–6	5.6,5.3b		
NOU	X	18 07 26 52.5	13.65S	166.97E	107	5.8,5.3b		
PTWC	X	18 07 26 53	13.70S	166.90E	50	6.1,5.3b		
GFZ	X	18 07 26 53.6–.48	14S–3.0	167E–2.0	105–5	6.4b,6.3L		
GFZ	X	18 07 26 54.0	13.68S	166.98E	102	6.1W,6.3L		
GCMT	X	18 07 26 54.9–.00	13.69S	166.89E	105–0	6.2W,6.3L		
NEIC	X	18 07 27 00.2	13.71S	166.97E	110	6.2,6.3L		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=11.2km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.90 $M_{\theta\theta}$0.28 $M_{\phi\phi}$0.61 $M_{r\theta}$-0.43 $M_{\theta\phi}$-0.37 $M_{\phi r}$1.46 NP1:ϕ_s161.24000°,δ75.38000°,λ-83.36000°. NP2:ϕ_s316.48000°,δ16.03000°,λ-113.90000°. Principal axes: T 1.7042,Plg30.0000°,Azm246.0000°; N 0.0968,Plg6.0000°,Azm340.0000°; P -1.8010,Plg59.0000°,Azm80.0000° M_o1.75000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s329.00000°,δ20.00000°,λ-96.00000°. NP2:ϕ_s156.00000°,δ70.00000°,λ-88.00000°.
NEIC Event type se.
IDC Error ellipse: s-maj=9.1km s-min=8.6km az=77.0.
NOU Vanuatu Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.50 $M_{\theta\theta}$0.01 $M_{\phi\phi}$0.50 $M_{r\theta}$-0.44 $M_{\theta\phi}$-0.47 $M_{\phi r}$1.34 NP1:ϕ_s161.96530°,δ78.28768°,λ-81.44737°. NP2:ϕ_s305.43255°,δ14.46730°,λ-125.65392°. Principal axes: T 1.6701,Plg32.7615°,Azm244.7816°; N -0.2289,Plg8.3733°,Azm340.2167°; P -1.4412,Plg55.9169°,Azm82.7811° M_o1.56822×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110180726A. Moment Tensor Solution. s168,c422; s174,c624;Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.27±.01 $M_{\theta\theta}$0.28±.01; $M_{\phi\phi}$0.99±.01; $M_{r\theta}$-0.76±.01; $M_{\theta\phi}$-0.89±.01; $M_{\phi r}$1.70±.01; Best double couple: NP1:ϕ_s313.00000°,δ20.00000°,λ-110.00000°. NP2:ϕ_s155.00000°,δ71.00000°,λ-83.00000°. Principal axes: T 2.4940,Plg26.0000°,Azm239.0000°; N -0.2820,Plg7.0000°,Azm332.0000°; P -2.2090,Plg63.0000°,Azm76.0000° M_o2.35100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.31 $M_{\theta\theta}$0.47 $M_{\phi\phi}$0.84 $M_{r\theta}$-0.80 $M_{\theta\phi}$-0.93 $M_{\phi r}$1.46 NP1:ϕ_s308.66000°,δ21.65000°,λ-109.52000°. NP2:ϕ_s149.54000°,δ69.66000°,λ-82.45000°. Principal axes: T 2.3410,Plg24.0000°,Azm234.0000°; N -0.2517,Plg7.0000°,Azm327.0000°; P -2.0894,Plg65.0000°,Azm72.0000° M_o2.23000×10^{18}

(218) Near east coast of Kamchatka Peninsula

ISC	**X**	**18 08 24 31.7–.22**	**53.93N–.02**	**158.71E–.03**	**176–1**	**5.4b**	**1802**	**0-160**
BJI	X	18 08 24 27.9	54.05N	159.03E	176	5.3b,5.2b		**¶621206689**
KRSC	X	18 08 24 29.1–.99	53.89N	158.97E	186–11	5.9L,5.2b		
MOS	X	18 08 24 30.5–.85	53.96N	158.66E	179	5.7b,4.2s		
NEIC	X	18 08 24 31.8	54.00N	158.64E	172	5.7b,4.2s		
BGR	X	18 08 24 31.0	53.65N	158.42E	182–4	6.4,6.2b		
NEIC	X	18 08 24 31.6–1.1	53.98N–.07	158.6E–.10	173–1	5.3b,6.2b		
IDC	X	18 08 24 32.3–.30	54.04N	158.60E	176–2	5.7,5.2b		
GFZ	X	18 08 24 32.4	54.00N	158.63E	177	5.3W,5.2b		
GFZ	X	18 08 24 32.2–.41	54N–3.0	159E–3.0	174–4	5.9b,5.7b		
GCMT	X	18 08 24 34.3–.30	53.83N–.02	158.80E–.04	183–3	5.4W,5.7b		
NEIC	X	18 08 24 41	54.00N	158.64E	170	5.3,5.7b		

ISC Event type ke.
KRSC Event type se. Felt [IV] at kordon Aerodrom; [III-IV] at kordon Semyachik, cape Shipunskiy; [III] at HMS Semyachik, kordon Uzon; [II-III] at kordon Valley of Geysers, Petropavlovsk; [II] at Ust-Kamchatsk; Felt at Noviy.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=2.9km az=88.0. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type se.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.2km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=6.9km s-min=5.7km az=125.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.53 $M_{r\theta}$-0.77 $M_{\theta\phi}$-0.63 $M_{\phi r}$-0.21 NP1:ϕ_s245.47674°,δ73.60805°,λ123.56687°. NP2:ϕ_s358.51624°,δ36.92974°,λ28.01422°. Principal axes: T 1.1069,Plg49.8885°,Azm192.8373°; N 0.0718,Plg32.0349°,Azm54.8702°; P -1.1787,Plg21.4502°,Azm310.6383° M_o1.14450×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110180824A. Moment Tensor Solution. s25,c32; s107,c164; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.34±.06 $M_{\theta\theta}$0.41±.06; $M_{\phi\phi}$-0.75±.06; $M_{r\theta}$-1.30±.05; $M_{\theta\phi}$-0.95±.05; $M_{\phi r}$-0.41±.05; Best double couple: NP1:ϕ_s348.00000°,δ39.00000°,λ11.00000°. NP2:ϕ_s249.00000°,δ83.00000°,λ128.00000°. Principal axes: T 1.7500,Plg40.0000°,Azm194.0000°; N 0.0700,Plg38.0000°,Azm64.0000°; P -1.8190,Plg28.0000°,Azm310.0000° M_o1.78500×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.91 $M_{\theta\phi}$-0.50 $M_{\phi r}$-0.23 NP1:ϕ_s0.94000°,δ30.86000°,λ29.37000°. NP2:ϕ_s245.15000°,δ75.43000°,λ117.51000°. Principal axes: T 1.2192,Plg52.0000°,Azm187.0000°; N -0.0653,Plg27.0000°,Azm58.0000°; P -1.1539,Plg25.0000°,Azm314.0000° M_o1.19000×10^{17}

(60) Oaxaca

ISC	**X**	**21 20 22 07.5–.75**	**15.95N–.04**	**94.18W–.03**	**81–8**	**4.4b**	**345**	**1-126**
GCG	X	21 20 20 11.1–3.1	19.64N	101.90W	0–999	5.2		**¶621235967**
NEIC	X	21 20 22 08.8–1.6	16.03N–.06	94.00W–.06	85–7	4.6,4.4b		
CATAC	X	21 20 22 09.0–.71	16N–4.0	94W–3.0	29–6	5.5b,5.2b		
IDC	X	21 20 22 09.7–2.1	16.22N	93.91W	87–10	4.4,4.0b		
MEX	X	21 20 22 09.0–.64	15.90N	94.14W	86–8	4.6,4.0b		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.3km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=9.2km s-min=3.5km az=28.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.45 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$0.79 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.36 $M_{\phi r}$0.27 NP1:ϕ_s319.16391°,δ83.54643°,λ145.88862°. NP2:ϕ_s53.51754°,δ56.13419°,λ7.77962°. Principal axes: T 0.9394,Plg28.2625°,Azm270.8223°; N 0.5681,Plg55.3562°,Azm129.7421°; P -1.5076,Plg18.3341°,Azm11.0843° M_o1.31873×10^{18}
IDC Error ellipse: s-maj=30.3km s-min=13.5km az=10.0.
MEX Event type se. Error ellipse: s-maj=3.4km s-min=3.7km az=-1.0. Presumed earthquake.

(159) North Island

ISC	**X**	**21 21 58 20.0–.21**	**39.13S–.03**	**174.97E–.03**	**228–1**	**5.2b**	**1192**	**0-179**
BJI	X	21 21 58 17.1	39.35S	175.26E	226	5.4b,5.1b		**¶621630066**
WEL	X	21 21 58 19.8	39.04S	174.93E	216	5.6W,5.2L		
GFZ	X	21 21 58 19.5–.24	39S–3.0	175E–2.0	209–2	5.6b,5.4		
GFZ	X	21 21 58 19.5	39.02S	174.98E	221	5.5W,5.4		
NOU	X	21 21 58 19.0	39.23S	175.01E	210	5.2b,5.4		
IDC	X	21 21 58 19.4–.35	38.91S	174.97E	229–2	5.4,4.8b		
MOS	X	21 21 58 19.2–1.5	39.01S	175.01E	229	5.4b,4.8b		
WEL	X	21 21 58 19.8–.78	39S–12	175E–9.0	210–5	5.9,5.9		
NEIC	X	21 21 58 20.7	38.99S	174.84E	230	5.6,5.9		
NEIC	X	21 21 58 20.5–1.6	39.02S–.09	175.0E–.10	224–4	5.5,5.3b		
NEIC	X	21 21 58 20.5	39.01S	174.96E	225	5.5,5.3b		
NEIC	X	21 21 58 20.5	38.99S	174.97E	226	5.5,5.3b		
GCMT	X	21 21 58 21.5–.10	39.06S–.01	175.00E–.01	222–0	5.6W,5.3b		

ISC Event type se.
WEL Stations used: BFZ BKZ GRZ HIZ KHEZ KNZ KUZ MKAZ MRZ MWZ MXZ NNZ. REVERSE FAULTING. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-2.03 $M_{r\theta}$1.27 $M_{\theta\phi}$-0.90 $M_{\phi r}$-1.15 NP1:ϕ_s165.00000°,δ66.00000°,λ51.00000°. NP2:ϕ_s48.00000°,δ45.00000°,λ144.00000°. Principal axes: T 2.8241,Plg52.0000°,Azm28.0000°; N -0.3528,Plg35.0000°,Azm183.0000°; P -2.4713,Plg12.0000°,Azm282.0000° M_o2.67000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.53 $M_{\theta\theta}$0.75 $M_{\phi\phi}$-2.27 $M_{r\theta}$0.81 $M_{\theta\phi}$-0.47 $M_{\phi r}$-0.97 NP1:ϕ_s160.76857°,δ64.24089°,λ55.27109°. NP2:ϕ_s38.68294°,δ42.25256°,λ139.73495°. Principal axes: T 2.2913,Plg56.1699°,Azm24.4185°; N 0.2391,Plg30.8694°,Azm177.5334°; P -2.5304,Plg12.4796°,Azm275.1358° M_o2.41971×10^{17}
NOU North Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.44 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-2.58 $M_{r\theta}$1.83 $M_{\theta\phi}$-0.66 $M_{\phi r}$-0.88 NP1:ϕ_s43.18000°,δ50.80000°,λ149.24000°. NP2:ϕ_s153.79000°,δ66.65000°,λ43.51000°. Principal axes: T 3.3329,Plg47.0000°,Azm15.0000°; N -0.5439,Plg42.0000°,Azm176.0000°; P -2.7891,Plg10.0000°,Azm275.0000° M_o3.10000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-1.21 $M_{r\theta}$1.54 $M_{\theta\phi}$-0.60 $M_{\phi r}$-1.15 NP1:ϕ_s41.64000°,δ33.80000°,λ155.33000°. NP2:ϕ_s152.53000°,δ76.57000°,λ58.69000°. Principal axes: T 2.6011,Plg49.0000°,Azm29.0000°; N -0.8865,Plg30.0000°,Azm161.0000°; P -1.7146,Plg25.0000°,Azm266.0000° M_o2.29000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110212158A. Moment Tensor Solution. s144,c269; s162,c323;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.50±.03 $M_{\theta\theta}$0.91±.03; $M_{\phi\phi}$-2.41±.03; $M_{r\theta}$1.84±.03; $M_{\theta\phi}$-0.77±.03; $M_{\phi r}$-1.29±.03; Best double couple: NP1:ϕ_s44.00000°,δ45.00000°,λ151.00000°. NP2:ϕ_s156.00000°,δ70.00000°,λ49.00000°. Principal axes: T 3.4450,Plg48.0000°,Azm22.0000°; N -0.6310,Plg38.0000°,Azm172.0000°; P -2.8120,Plg15.0000°,Azm274.0000° M_o3.12800×10^{17}

(277) Jawa

ISC	**X**	**22 02 21 15.0–.26**	**8.67S–.03**	**112.52E–.03**	**77–2**	**5.3b**	**1183**	**0-171**
MOS	X	22 02 21 14.1–.98	8.49S	112.53E	81	5.4b		**¶621236055**
DJA	X	22 02 21 15.4–.10	9S–1.0	112E–1.0	79–1	5.6,5.6b		
IDC	X	22 02 21 15.7–1.2	8.55S	112.59E	80–10	5.1,4.9b		
NEIC	X	22 02 21 15.7–2.6	8.65S–.05	112.55E–.05	73–4	5.4b,4.9		
GFZ	X	22 02 21 16.6	8.65S	112.53E	80	4.9W,4.9		
GFZ	X	22 02 21 16.6–.29	9S–3.0	112E–2.0	89–3	5.5b,5.5L		
NEIC	X	22 02 21 16.3	8.64S	112.56E	78	5.5b,5.5L		
GCMT	X	22 02 21 17.8–.20	8.97S–.01	112.57E–.02	73–1	5.0W,5.5L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.19 $M_{\theta\theta}$-2.01 $M_{\phi\phi}$-0.18 $M_{r\theta}$1.34 $M_{\theta\phi}$0.57 $M_{\phi r}$-0.06 NP1:ϕ_s292.58000°,δ29.86000°,λ101.76000°. NP2:ϕ_s99.09000°,δ60.83000°,λ83.33000°. Principal axes: T 2.5889,Plg73.0000°,Azm352.0000°; N -0.0492,Plg6.0000°,Azm102.0000°; P -2.5396,Plg16.0000°,Azm194.0000° $M_0$2.56000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.60 $M_{\theta\theta}$-1.92 $M_{\phi\phi}$0.32 $M_{r\theta}$1.99 $M_{\theta\phi}$1.18 $M_{\phi r}$-0.08 NP1:ϕ_s94.55729°,δ69.07528°,λ70.61196°. NP2:ϕ_s319.13550°,δ28.22680°,λ130.96466°. Principal axes: T 2.5802,Plg61.1109°,Azm335.4875°; N 0.5922,Plg18.0635°,Azm101.7210°; P -3.1724,Plg21.7454°,Azm199.1957° $M_0$2.92169×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110220221A. Moment Tensor Solution. s62,c82; s103,c152; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.19±.12 $M_{\theta\theta}$-3.82±.09; $M_{\phi\phi}$0.62±.11; $M_{r\theta}$1.50±.08; $M_{\theta\phi}$0.84±.09; $M_{\phi r}$-0.08±.08; Best double couple: NP1:ϕ_s285.00000°,δ34.00000°,λ97.00000°. NP2:ϕ_s97.00000°,δ56.00000°,λ85.00000°. Principal axes: T 3.5000,Plg78.0000°,Azm351.0000°; N 0.7700,Plg4.0000°,Azm99.0000°; P -4.2710,Plg11.0000°,Azm190.0000° $M_0$3.88600×10^{16}

(173) Tonga Islands

ISC	**X**	**22 21 59 46.7–.31**	**16.98S–.06**	**173.90W–.05**	**80–2**	**5.0b**	**516**	**4-156**
IDC	X	22 21 59 46.8–2.8	16.99S	173.97W	75–24	4.8,4.4b		**¶621237637**
NEIC	X	22 21 59 46.4–1.8	17.04S–.06	173.97W–.09	75–6	5.0b,4.4b		
BJI	X	22 21 59 51.6	16.95S	173.92W	131	5.2b,4.7b		
NOU	X	22 21 59 51.7	16.61S	173.54W	174	5.1b,4.7b		
GFZ	X	22 21 59 52.3–.32	17S–4.0	174W–4.0	132–2	5.9b,5.5		
GCMT	X	22 21 59 53.3–.20	17.13S–.02	173.52W–.01	131–2	5.1W,5.5		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU Tonga Islands.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110222159A. Moment Tensor Solution. s60,c80; s117,c169; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.31±.13 $M_{\theta\theta}$-0.45±.15; $M_{\phi\phi}$1.76±.14; $M_{r\theta}$-0.49±.10; $M_{\theta\phi}$-1.99±.17; $M_{\phi r}$4.24±.09; Best double couple: NP1:ϕ_s291.00000°,δ23.00000°,λ-153.00000°. NP2:ϕ_s175.00000°,δ80.00000°,λ-69.00000°. Principal axes: T 5.3680,Plg32.0000°,Azm248.0000°; N -0.9330,Plg20.0000°,Azm352.0000°; P -4.4370,Plg51.0000°,Azm109.0000° $M_0$4.90300×10^{16}

(153) South Sandwich Islands region

ISC	**X**	**23 00 34 18.5–.32**	**56.29S–.04**	**27.93W–.05**	**129–2**	**5.4b**	**773**	**5-175**
NEIC	X	23 00 34 17.0–1.7	56.25S–.08	27.9W–.10	112–4	5.4b,5.2		**¶621630068**
GFZ	X	23 00 34 18.8	56.29S	27.99W	118	5.2W,5.2		
GFZ	X	23 00 34 18.8–.29	56S–3.0	28W–3.0	121–2	5.8b,5.5		
IDC	X	23 00 34 21.2–1.1	56.17S	27.62W	149–9	5.4,4.9b		
GCMT	X	23 00 34 21.0–.10	56.30S–.01	27.59W–.02	127–0	5.3W,4.9b		
GCG	X	23 00 34 24.4–2.2	59.82S	39.90W	50–999	5.3W,4.9b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=11.7km s-min=11.1km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}6.63 $M_{\theta\theta}$-6.80 $M_{\phi\phi}$0.17 $M_{r\theta}$-1.80 $M_{\theta\phi}$-0.37 $M_{\phi r}$3.62 NP1:ϕ_s66.25770°,δ42.46993°,λ54.06770°. NP2:ϕ_s290.75257°,δ56.85776°,λ118.24306°. Principal axes: T 8.4644,Plg65.2541°,Azm253.8227°; N -1.4229,Plg23.3426°,Azm94.3862°; P -7.0416,Plg7.7584°,Azm1.0156° $M_0$7.85030×10^{16}

GFZ Error ellipse: s-maj=7.2km s-min=4.7km az=34.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC Error ellipse: s-maj=14.0km s-min=9.9km az=58.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110230034A. Moment Tensor Solution. s121,c182; s145,c260;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.77±.01 $M_{\theta\theta}$-0.93±.02; $M_{\phi\phi}$0.16±.02; $M_{r\theta}$-0.26±.01; $M_{\theta\phi}$-0.01±.02; $M_{\phi r}$0.48±.01; Best double couple: NP1:ϕ_s65.00000°,δ43.00000°,λ48.00000°. NP2:ϕ_s295.00000°,δ60.00000°,λ122.00000°. Principal axes: T 1.0610,Plg61.0000°,Azm256.0000°; N -0.0860,Plg27.0000°,Azm98.0000°; P -0.9750,Plg9.0000°,Azm3.0000° $M_0$1.01800×10^{17}

GCG Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.

(280) Banda Sea

ISC	**X**	**23 07 12 58.8–.54**	**6.06S–.05**	**129.21E–.06**	**250**	**4.0b**	**80**	**2-93**
NEIC	X	23 07 12 57.2–1.5	5.84S–.09	128.91E–.07	220–9	4.4b		**¶621237878**
GFZ	X	23 07 12 58.2–.24	6S–4.0	129E–4.0	255–5	5.7b,5.2		
IDC	X	23 07 12 59.0–2.3	6.10S	129.22E	210–25	4.4,3.5b		
DJA	X	23 07 12 59.8–.30	6S–3.0	129E–3.0	246–6	4.7b,4.3b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(127) Chile-Argentina border region

ISC	**X**	**23 08 21 43.2–.39**	**24.15S–.03**	**67.15W–.03**	**156–3**	**4.8b**	**394**	**1-166**
SJA	X	23 08 21 42.4–.72	24.25S	67.17W	169–5	4.6L,4.4W		**¶621237754**
GFZ	X	23 08 21 43.9–.17	24S–2.0	67W–2.0	154–2	5.5b,5.0		
IDC	X	23 08 21 43.2–1.1	24.14S	67.06W	151–9	4.7,4.2b		
NEIC	X	23 08 21 43.4–1.4	24.16S–.06	67.1W–.10	154–7	4.9b,4.8		
VAO	X	23 08 21 44.1–.55	24.09S	67.11W	175–5	4.8b,4.8		
GUC	X	23 08 21 46.2–.53	24.13S	67.50W	189–6	5.1L,4.8		

ISC Event type se.

SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

IDC Error ellipse: s-maj=15.2km s-min=9.0km az=84.0.

NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.4km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

VAO Event type se. Error ellipse: s-maj=3.0km s-min=4.4km az=-1.0. Presumed earthquake.

GUC Event type se. Error ellipse: s-maj=5.6km s-min=5.1km az=-1.0. Presumed earthquake.

(274) Southern Sumatera

ISC	**X**	**23 23 34 27.1–.36**	**4.74S–.04**	**101.94E–.03**	**62–3**	**4.8b**	**685**	**1-146**
IDC	X	23 23 34 19.1–.41	4.71S	101.99E	0	4.6b,4.6		**¶621238034**
GFZ	X	23 23 34 22.0–.31	5S–4.0	102E–4.0	10	5.4b,5.0L		
NEIC	X	23 23 34 25.8–1.1	4.69S–.08	101.97E–.06	47–5	4.8b,5.0L		
BJI	X	23 23 34 25.0	4.70S	102.10E	52	5.3b,4.8b		
DJA	X	23 23 34 25.0–.10	5S–1.0	102E–1.0	42–2	5.6b,5.4		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(244) Taiwan

ISC	**X**	**24 05 11 33.8–.20**	**24.57N–.02**	**121.88E–.02**	**71–1**	**6.1b**	**2891**	**0-176**
MOS	X	24 05 11 31.6–.92	24.57N	121.99E	62	6.3b,5.5s		**¶621238060**
BJI	X	24 05 11 32.6	24.55N	121.80E	60	6.5b,6.2L		
JMA	X	24 05 11 33.5–.18	24.5N–.40	121.7E–.60	73–1	6.3,6.3W		
NIED	X	24 05 11 33.5	24.48N	121.73E	73	6.2W,6.3W		
PTWC	X	24 05 11 34	24.50N	121.80E	52	6.4,6.3W		
ISC-P	X	24 05 11 34	24.51N	121.83E	63–1	6.4,6.3W		
NEIC	X	24 05 11 34.3	24.57N	121.83E	64	6.4,6.3W		
IPGP	X	24 05 11 34.0	24.57N	121.83E	70	6.2W,6.3W		
GFZ	X	24 05 11 34.6	24.53N	121.85E	65	6.1W,6.3W		
NEIC	X	24 05 11 34.3	24.57N	121.83E	64	6.1W,6.3W		
GFZ	X	24 05 11 34.7–.19	24N–2.0	122E–2.0	66–2	6.4b,6.2		
TAP	X	24 05 11 34.7	24.53N	121.78E	66–0	6.5L,6.2		
NEIC	X	24 05 11 34.4	24.57N	121.84E	65	6.5L,6.2		
NEIC	X	24 05 11 34.2–1.9	24.51N–.05	121.83E–.07	69–1	6.2b,6.2		
GCMT	X	24 05 11 36.7–.00	24.63N	121.70E	80–0	6.2W,6.2		
IDC	X	24 05 11 37.1–.75	24.63N	121.90E	96–6	5.9,5.5b		
NEIC	X	24 05 11 49.1	24.57N	121.84E	60	6.2,5.5b		

ISC Event type ke.

MOS Error ellipse: s-maj=5.6km s-min=3.4km az=114.1.

JMA Event type fe. TAIWAN REGION .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.84 $M_{\theta\theta}$1.61 $M_{\phi\phi}$-0.77 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.83 $M_{\phi r}$-1.84 NP1:ϕ_s74.00000°,δ43.00000°,λ-158.00000°. NP2:ϕ_s328.00000°,δ75.00000°,λ-49.00000°. $M_0$4.42000×10^{18}

ISC-P Moment Tensor Solution. s43 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.29±.21 $M_{\theta\theta}$-0.09±.23; $M_{\phi\phi}$0.47±.19; $M_{r\theta}$-0.23±.17; $M_{\theta\phi}$-0.53±.21; $M_{\phi r}$-0.10±.14; NP1:ϕ_s18.20000°,δ75.50000°,λ290.70000°. NP2:ϕ_s141.80000°,δ25.00000°,λ-143.80000°. $M_0$4.32000×10^{18}

NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s60.00000°,δ25.00000°,λ141.00000°. NP2:ϕ_s187.00000°,δ75.00000°,λ70.00000°.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.32 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-1.07 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.80 $M_{\phi r}$-1.41 NP1:ϕ_s191.36015°,δ68.20098°,λ72.14440°. NP2:ϕ_s52.30071°,δ27.89960°,λ127.47523°. Principal axes: T 2.0116,Plg62.5613°,Azm73.2925°; N 0.0334,Plg16.5405°,Azm198.1818°; P -2.0450,Plg21.2436°,Azm294.8115° $M_0$2.02850×10^{18}

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

TAP B.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.5km az=303.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.96 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.59 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.63 $M_{\phi r}$-1.86 NP1:ϕ_s61.40000°,δ21.23000°,λ143.28000°. NP2:ϕ_s186.21000°,δ77.49000°,λ72.70000°. Principal axes: T 2.2591,Plg54.0000°,Azm75.0000°; N -0.2677,Plg17.0000°,Azm190.0000°; P -1.9914,Plg30.0000°,Azm290.0000° $M_0$2.14000×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.35 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-0.71 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.89 $M_{\phi r}$-2.33 NP1:ϕ_s66.15000°,δ21.86000°,λ138.63000°. NP2:ϕ_s195.40000°,δ75.76000°,λ73.25000°. Principal axes: T 2.8794,Plg56.0000°,Azm84.0000°; N -0.2166,Plg16.0000°,Azm200.0000°; P -2.6628,Plg29.0000°,Azm299.0000° $M_0$2.78000×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110240511A. Moment Tensor Solution. s168,c425; s170,c624;Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.93±.01 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$-0.89±.01; $M_{r\theta}$0.02±.01; $M_{\theta\phi}$-0.98±.01; $M_{\phi r}$-1.94±.01; Best double couple: NP1:ϕ_s66.00000°,δ26.00000°,λ149.00000°. NP2:ϕ_s184.00000°,δ77.00000°,λ67.00000°. Principal axes: T 2.2970,Plg53.0000°,Azm67.0000°; N 0.1140,Plg22.0000°,Azm189.0000°; P -2.4110,Plg28.0000°,Azm292.0000° $M_0$2.35400×10^{18}

IDC Error ellipse: s-maj=7.0km s-min=6.0km az=53.0.

NEIC Event type se. Moment Tensor Solution.Duration: 6s5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-1.03 $M_{r\theta}$0.02 $M_{\theta\phi}$-1.00 $M_{\phi r}$-1.96 NP1:ϕ_s62.71000°,δ26.63000°,λ145.57000°. NP2:ϕ_s184.21000°,δ75.32000°,λ67.53000°. Principal axes: T 2.3611,Plg54.0000°,Azm67.0000°; N 0.1398,Plg22.0000°,Azm190.0000°; P -2.5009,Plg27.0000°,Azm292.0000° $M_0$2.43000×10^{18}

(127) Chile-Argentina border region

ISC	**X**	**26 03 35 42.1–.42**	**32.81S–.02**	**70.66W–.03**	**91–3**	**4.7b**	**337**	**0-163**
SJA	X	26 03 35 41.0–.75	32.82S	70.72W	100–2	4.7L,4.5W		**¶621239266**
GFZ	X	26 03 35 41.8–.21	33S–2.0	71W–8.0	89–4	5.6b,5.2		
GUC	X	26 03 35 42.7–.55	32.82S	70.66W	94–2	4.8L,5.2		
IDC	X	26 03 35 42.8–.49	32.81S	70.54W	90–4	4.6,4.2b		
NEIC	X	26 03 35 42.3	32.85S	70.70W	94	4.6,4.2b		
NEIC	X	26 03 35 42.6–1.2	32.81S–.02	70.69W–.05	91–3	4.7,4.7b		
VAO	X	26 03 35 42.7–1.7	32.90S	70.24W	95	4.7b,4.7b		

ISC Event type se.

SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0. Presumed earthquake.

IDC Error ellipse: s-maj=12.4km s-min=8.2km az=135.0.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.1km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.71 $M_{\theta\theta}$-4.13 $M_{\phi\phi}$3.42 $M_{r\theta}$-6.73 $M_{\theta\phi}$2.58 $M_{\phi r}$-2.04 NP1:ϕ_s153.53000°,δ32.09000°,λ173.87000°. NP2:ϕ_s248.73000°,δ86.75000°,λ58.06000°. Principal axes: T 7.7591,Plg40.0000°,Azm130.0000°; N 1.1776,Plg32.0000°,Azm251.0000°; P -8.9368,Plg34.0000°,Azm6.0000° $M_0$8.41000×10^{15}

VAO Event type se. Error ellipse: s-maj=18.1km s-min=10.4km az=-1.0. Presumed earthquake.

(267) Halmahera

ISC	**X**	**26 09 46 06.9–.42**	**1.45N–.03**	**127.09E–.04**	**130–3**	**5.0b**	**686**	**0-165**
BJI	X	26 09 46 04.2	1.39N	127.39E	132	5.0b,4.8b		**¶621239847**
GFZ	X	26 09 46 07.0–.25	1N–2.0	127E–3.0	126–2	5.4b,5.2L		
DJA	X	26 09 46 06.4–.10	2N–2.0	127E–1.0	120–1	5.7b,5.4b		
NEIC	X	26 09 46 07.1–.92	1.44N–.02	127.05E–.06	127–5	5.0b,4.8		
IDC	X	26 09 46 07.0–.86	1.39N	127.12E	132–7	4.8,4.4b		

ISC Event type se.

GFZ Error ellipse: s-maj=6.2km s-min=3.8km az=52.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.6km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=11.2km s-min=5.7km az=76.0.

(193) Bougainville-Solomon Islands region

ISC	**X**	**28 12 28 54.6–.35**	**6.20S–.05**	**154.58E–.06**	**61**	**4.7b**	**138**	**3-93**
NEIC	X	28 12 28 54.2–1.7	6.20S–.09	154.58E–.08	53–7	4.6b		**¶621242959**
IDC	X	28 12 28 55.8–1.9	6.25S	154.59E	69–17	4.5,4.2b		
DJA	X	28 12 28 55.1–.50	6S–4.0	155E–5.0	74–6	6.2b,5.9		
GFZ	X	28 12 29 00.5–1.9	6S–5.0	154E–5.0	110–17	5.9b,5.5		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(259) Mindanao

ISC	**X**	**29 04 33 31.8–.43**	**5.27N–.03**	**125.65E–.03**	**187–3**	**5.0b**	**556**	**1-173**
BJI	X	29 04 33 30.5	5.20N	125.68E	196	5.0b,4.6b		**¶621243359**
IDC	X	29 04 33 31.6–.63	5.22N	125.40E	185–5	4.8,4.3b		
GCMT	X	29 04 33 31.3–.30	5.28N–.02	125.65E–.03	190–3	4.9W,4.3b		
NEIC	X	29 04 33 31.9–2.4	5.27N–.06	125.49E–.08	177–1	5.1b,4.3b		
MAN	X	29 04 33 32.9	5.35N	125.59E	173	5.5b,4.7s		
GFZ	X	29 04 33 32.1–.33	5N–3.0	126E–3.0	176–4	5.3b,5.1b		
DJA	X	29 04 33 33.2–.20	5N–2.0	126E–2.0	169–2	5.7,5.4b		

ISC Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110290433A. Moment Tensor Solution. s23,c24; s94,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.05±.10 $M_{\theta\theta}$2.57±.12; $M_{\phi\phi}$-0.51±.13; $M_{r\theta}$-0.58±.10; $M_{\theta\phi}$1.36±.11; $M_{\phi r}$1.43±.10; Best double couple: NP1:ϕ_s219.00000°,δ55.00000°,λ-136.00000°. NP2:ϕ_s100.00000°,δ55.00000°,λ-45.00000°. Principal axes: T 3.0840,Plg0.0000°,Azm159.0000°; N 0.0840,Plg36.0000°,Azm250.0000°; P -3.1660,Plg54.0000°,Azm69.0000° $M_0$3.12500×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MAN Event type fe.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(115) Near coast of Peru

ISC	**X**	**29 19 55 25.2–.33**	**15.06S–.03**	**73.90W–.04**	**65–2**	**5.5b**	**874**	**4-175**
MOS	X	29 19 55 24.6–.99	15.01S	74.00W	73	5.8b		**¶621244191**
GFZ	X	29 19 55 25.9–.10	15S–1.0	74W–3.0	59	5.8b,5.8		
GFZ	X	29 19 55 25.9	14.99S	73.92W	72	5.2W,5.8		
NEIC	X	29 19 55 26.2	15.05S	73.98W	67	5.2W,5.8		
NEIC	X	29 19 55 26.5–1.4	15.05S–.08	73.97W–.09	70–4	5.6b,5.8		
VAO	X	29 19 55 28.4–.58	14.95S	73.71W	81–5	5.3b,5.8		
IDC	X	29 19 55 28.5–1.5	14.99S	73.93W	88–13	5.1,4.9b		
GCMT	X	29 19 55 32.4–.20	15.11S–.01	74.15W–.01	108–1	5.3W,4.9b		
NEIC	X	29 19 55 33.1	15.05S	73.88W	70	5.2,4.9b		

ISC Event type se.
MOS Error ellipse: s-maj=14.6km s-min=6.8km az=104.8.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.14 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$5.64 $M_{r\theta}$-2.86 $M_{\theta\phi}$-1.19 $M_{\phi r}$3.10 NP1: ϕ_s150.41706°,δ64.29322°,λ-108.72222°. NP2:ϕ_s8.41859°,δ31.42222°,λ-56.30679°. Principal axes: T 6.9754,Plg17.2589°,Azm254.1660°; N -0.0307,Plg16.8108°,Azm158.7802° ; P -6.9447,Plg65.5230°,Azm27.2012° $M_0$6.96011×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.1km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=14.3km s-min=8.6km az=58.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110291955A. Moment Tensor Solution. s90,c116; s126,c192;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.89±.02 $M_{\theta\theta}$-0.39±.02; $M_{\phi\phi}$1.27±.03; $M_{r\theta}$-0.24±.01; $M_{\theta\phi}$-0.34±.02; $M_{\phi r}$0.14±.02; Best double couple: NP1:ϕ_s10.00000° ,δ44.00000°,λ-59.00000°. NP2:ϕ_s150.00000°,δ53.00000°,λ-117.00000°. Principal axes: T 1.3510,Plg5.0000°,Azm258.0000°; N -0.3720,Plg21.0000°,Azm167.0000° ; P -0.9810,Plg68.0000°,Azm0.0000° $M_0$1.16600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.75 $M_{\theta\theta}$6.00 $M_{r\theta}$-2.26 $M_{\theta\phi}$-0.64 $M_{\phi r}$2.35 NP1:ϕ_s10.28000°,δ35.49000° ,λ-62.33000°. NP2:ϕ_s157.49000°,δ59.06000°,λ-108.32000°. Principal axes: T 6.6270,Plg12.0000°,Azm261.0000°; N 0.2530,Plg16.0000°,Azm167.0000° ; P -6.8800,Plg70.0000°,Azm27.0000° $M_0$6.76000×10^{16}

(259) Mindanao

ISC	X	30 06 53 08.0–.32	9.16N–.04	126.18E–.07	66	4.6b	147	2-170
DJA	X	30 06 53 04.2–2.0	10N–16	126E–5.0	41–15	5.7b,5.2	¶621244353	
IDC	X	30 06 53 08.8–1.5	9.12N	126.16E	76–14	4.4,4.1b		
NEIC	X	30 06 53 09.1–1.0	9.07N–.07	126.2E–.10	75–7	4.7b,4.1b		
GFZ	X	30 06 53 09.2–.69	9N–3.0	126E–4.0	76–6	5.0b,4.6b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(177) Kermadec Islands region

ISC	X	31 09 18 14.6–.46	28.30S–.04	177.21W–.05	63–3	5.1b	538	1-167
IDC	X	31 09 18 12.4–2.2	28.10S	177.30W	38–17	4.9,4.8b	¶621244621	
NEIC	X	31 09 18 14.7–1.3	28.19S–.07	177.4W–.10	56–6	5.1b,4.8b		
GFZ	X	31 09 18 15.5–.28	28S–3.0	177W–3.0	61–2	5.8b,5.4		
GCMT	X	31 09 18 17.0–.30	28.13S–.02	176.96W–.02	52–1	5.0W,5.4		
NOU	X	31 09 18 21.0	27.92S	176.88W	152	5.1b,5.4		

ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=12.4km az=113.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.8km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=7.7km s-min=6.3km az=137.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110310918A. Moment Tensor Solution. s62,c67; s76,c104; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.58±.17 $M_{\theta\theta}$-0.48±.12; $M_{\phi\phi}$-3.10±.10; $M_{r\theta}$-0.06±.09; $M_{\theta\phi}$-0.48±.11; $M_{\phi r}$1.09±.09; Best double couple: NP1:ϕ_s193.00000°,δ36.00000° ,λ95.00000°. NP2:ϕ_s6.00000°,δ54.00000°,λ86.00000°. Principal axes: T 3.7580,Plg81.0000° ,Azm259.0000°; N -0.4080,Plg3.0000°,Azm9.0000°; P -3.3480,Plg9.0000°,Azm99.0000° $M_0$3.55300×10^{16}
NOU Kermadec Islands Region.

(221) Kuril Islands

ISC	XI	01 00 33 31.6–.41	46.57N–.05	150.54E–.05	167	4.3b	228	2-150
SKHL	XI	01 00 33 30.1–.90	46.50N	150.70E	157–7	6.1,5.5b	¶621244948	
MOS	XI	01 00 33 31.1–1.1	46.65N	150.49E	172	4.4b,5.5b		
NEIC	XI	01 00 33 34.5–1.2	46.9N–.10	150.3E–.10	176–6	4.3b,5.5b		
IDC	XI	01 00 33 34.5–1.8	46.73N	150.30E	187–16	4.3,4.3s		
JMA	XI	01 00 33 43.8–.93	46N–3.0	150E–6.0	161	4.0,4.3s		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .

(173) Tonga Islands

ISC	XI	01 15 49 55.6–.31	17.66S–.05	174.53W–.05	200	4.6b	300	5-157
IDC	XI	01 15 49 49.7–1.6	17.77S	174.63W	139–14	4.7,4.3b	¶621246752	
NEIC	XI	01 15 49 54.5–1.7	17.65S–.09	174.54W–.05	176–4	4.6b,4.3b		
GFZ	XI	01 15 49 55.5–.15	18S–3.0	175W–3.0	195	6.1b,5.8		
GCMT	XI	01 15 49 58.1–.30	17.82S–.03	174.33W–.02	209–3	5.0W,5.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111011549A. Moment Tensor Solution. s36,c41; s93,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50±.16 $M_{\theta\theta}$3.33±.16; $M_{\phi\phi}$-2.84±.14; $M_{r\theta}$2.49±.14; $M_{\theta\phi}$-0.36±.17; $M_{\phi r}$2.50±.13; Best double couple: NP1:ϕ_s135.00000°,δ41.00000° ,λ-6.00000°. NP2:ϕ_s230.00000°,δ86.00000°,λ-131.00000°. Principal axes: T 4.6500,Plg29.0000°,Azm352.0000°; N 0.1300,Plg41.0000°,Azm234.0000° ; P -4.7870,Plg36.0000°,Azm105.0000° $M_0$4.71900×10^{16}

(216) Mariana Islands

ISC	XI	02 08 34 48.2–.34	14.69N–.04	145.59E–.06	108–2	4.9b	344	1-149
IDC	XI	02 08 34 47.9–.53	14.68N	145.62E	104–4	4.7,4.3b	¶621252462	
NEIC	XI	02 08 34 48.1–1.8	14.69N–.08	145.61E–.10	102–4	5.0b,4.3b		
GCMT	XI	02 08 34 51.4–.30	14.64N–.03	145.56E–.03	129–5	4.8W,4.3b		
BJI	XI	02 08 34 52.7	14.86N	145.80E	168	4.9b,4.7b		
GFZ	XI	02 08 34 53.4–.45	14N–5.0	146E–3.0	161–4	7.4,7.1		
DJA	XI	02 08 34 54.9–1.6	15N–4.0	145E–6.0	164–15	5.7b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111020834A. Moment Tensor Solution. s9,c12; s99,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.00±.10 $M_{\theta\theta}$0.27±.13; $M_{\phi\phi}$0.73±.15; $M_{r\theta}$-0.43±.07; $M_{\theta\phi}$-0.25±.14; $M_{\phi r}$-1.73±.09; Best double couple: NP1:ϕ_s150.00000° ,δ16.00000°,λ-127.00000°. NP2:ϕ_s9.00000°,δ77.00000°,λ-80.00000°. Principal axes: T 1.8020,Plg32.0000°,Azm91.0000°; N 0.3680,Plg10.0000°,Azm187.0000° ; P -2.1700,Plg57.0000°,Azm291.0000° $M_0$1.98600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(281) Tanimbar Islands region

ISC	XI	02 16 43 53.2–.22	6.90S–.02	130.49E–.03	107–1	6.0b	2058	1-168
BJI	XI	02 16 43 49.2	7.10S	130.60E	101	6.2b,5.9b	¶621254068	
MOS	XI	02 16 43 50.6–.89	6.90S	130.48E	93	6.3b,5.9b		
NEIC	XI	02 16 43 52.7	6.92S	130.49E	94	6.3b,5.9b		
NEIC	XI	02 16 43 52.3	6.91S	130.50E	90	6.3b,5.9b		
PTWC	XI	02 16 43 52	7.10S	130.60E	67	5.7,5.9b		
NEIC	XI	02 16 43 52.8–1.7	6.88S–.06	130.50E–.06	94–1	5.9b,5.7		
IPGP	XI	02 16 43 52.0	6.92S	130.51E	103	5.9W,5.7		
GFZ	XI	02 16 43 53.5–.10	7S–2.0	130E–2.0	102	6.5L,6.4b		
GFZ	XI	02 16 43 53.8	6.96S	130.54E	105	5.8W,6.4b		
IDC	XI	02 16 43 53.4–1.1	6.85S	130.50E	101–9	6.0,5.7b		
DJA	XI	02 16 43 53.4–.10	7S–1.0	131E–1.0	112–1	6.6,6.3b		
GCMT	XI	02 16 43 54.8–.10	6.94S	130.57E	114–0	5.9W,6.3b		
NEIC	XI	02 16 43 55.7	6.91S	130.70E	100	5.9,6.3b		

ISC Event type se.
MOS Error ellipse: s-maj=8.1km s-min=4.6km az=115.7.
NEIC Event type se.
NEIC Event type se.
PTWC KEPULAUAN TANIMBAR REGION, INDONESIA.

NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.9km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.90 $M_{\theta\theta}$-2.04 $M_{\phi\phi}$0.14 $M_{r\theta}$2.00 $M_{\theta\phi}$3.35 $M_{\phi r}$1.77 NP1:ϕ_s342.64000°,δ57.13000°,λ152.00000°. NP2:ϕ_s88.74000°,δ66.78000° ,λ36.19000°. Principal axes: T 4.8833,Plg41.0000°,Azm309.0000°; N -0.3488,Plg48.0000° ,Azm117.0000°; P -4.5345,Plg6.0000°,Azm214.0000° $M_0$4.72000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s84.00000°,δ67.00000°,λ23.00000°. NP2:ϕ_s344.00000° ,δ69.00000°,λ155.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.27 $M_{\theta\theta}$-3.27 $M_{\phi\phi}$1.00 $M_{r\theta}$1.76 $M_{\theta\phi}$5.09 $M_{\phi r}$1.98 NP1: ϕ_s343.36580°,δ64.67771°,λ156.23074°. NP2:ϕ_s84.03352°,δ68.63380°,λ27.34034°. Principal axes: T 6.1543,Plg34.0596°,Azm304.7295°; N 0.5135,Plg55.8165°,Azm119.2041° ; P -6.6678,Plg2.5687°,Azm212.9915° $M_0$6.42641×10^{17}
IDC Error ellipse: s-maj=11.0km s-min=6.9km az=68.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111021643A. Moment Tensor Solution. s148,c306; s164,c505;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}2.76±.04 $M_{\theta\theta}$-4.45±.05; $M_{\phi\phi}$1.69±.06; $M_{r\theta}$2.05±.04; $M_{\theta\phi}$6.40±.05; $M_{\phi r}$2.58±.04; Best double couple: NP1:ϕ_s342.00000°,δ66.00000°,λ157.00000°. NP2:ϕ_s82.00000°,δ69.00000°,λ26.00000°. Principal axes: T 7.8350,Plg33.0000°,Azm303.0000°; N 0.6550,Plg57.0000°,Azm119.0000° ; P -8.4910,Plg2.0000°,Azm212.0000° $M_0$8.16300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.89 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$-0.28 $M_{r\theta}$1.41 $M_{\theta\phi}$7.24 $M_{\phi r}$1.93 NP1:ϕ_s89.81000°,δ72.49000° ,λ16.01000°. NP2:ϕ_s354.88000°,δ74.75000°,λ161.83000°. Principal axes: T 7.3647,Plg24.0000°,Azm312.0000°; N 0.8613,Plg66.0000°,Azm136.0000° ; P -8.2260,Plg2.0000°,Azm43.0000° $M_0$7.83000×10^{17}

(127) Chile-Argentina border region

ISC	XI	03 03 17 48.6–.18	32.73S–.02	70.04W–.02	107–1	5.6b	1261	0-178
SJA	XI	03 03 17 46.3–.84	32.75S	70.07W	122–2	5.8L,5.6W	¶621883467	
GUC	XI	03 03 17 47.9–.81	32.66S	70.12W	113–3	5.8L,5.6W		
CATAC	XI	03 03 17 47.5–.48	33S–3.0	70W–10	105–3	6.6,6.5		
GFZ	XI	03 03 17 47.2	32.75S	69.90W	111	5.7W,6.5		
NEIC	XI	03 03 17 48.2	32.68S	70.10W	93	5.7W,6.5		
NEIC	XI	03 03 17 48.8	32.71S	70.09W	101	5.7W,6.5		
NEIC	XI	03 03 17 48.6–1.6	32.70S–.03	70.06W–.06	100–1	5.7,5.7		
VAO	XI	03 03 17 48.1–.21	32.68S	69.92W	110–1	6.0b,5.7		
NEIC	XI	03 03 17 48.2	32.68S	70.10W	93	6.0b,5.7		
GFZ	XI	03 03 17 49.6–.21	33S–2.0	70W–3.0	106–1	6.2,6.1L		
MOS	XI	03 03 17 49.3–1.1	32.58S	70.14W	110	5.7b,6.1L		
IDC	XI	03 03 17 49.4–.28	32.68S	70.00W	108–2	5.6,5.2b		
BJI	XI	03 03 17 50.0	32.70S	70.20W	111	5.5b,5.2b		
GCMT	XI	03 03 17 51.2–.10	32.88S–.01	69.91W–.01	117–0	5.7W,5.2b		
NEIC	XI	03 03 17 53.2	32.71S	70.09W	70	5.7,5.2b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=3.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=22.4km s-min=6.8km az=97.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.99 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$1.71 $M_{r\theta}$1.54 $M_{\theta\phi}$-0.42 $M_{\phi r}$-3.22 NP1: ϕ_s200.49973°,δ14.08707°,λ-44.20815°. NP2:ϕ_s333.83397°,δ80.22892°,λ-100.19724°. Principal axes: T 4.1537,Plg34.4605°,Azm72.5668°; N -0.6075,Plg10.0478°,Azm335.5825° ; P -3.5462,Plg53.6921°,Azm231.6287° $M_0$3.88572×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.81 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$2.54 $M_{r\theta}$1.41 $M_{\theta\phi}$-0.96 $M_{\phi r}$-3.94 NP1:ϕ_s174.31000°,δ14.76000°,λ-76.20000°. NP2:ϕ_s340.06000° ,δ75.68000°,λ-93.59000°. Principal axes: T 5.2649,Plg31.0000°,Azm73.0000° ; N -0.9673,Plg3.0000°,Azm341.0000°; P -4.2976,Plg59.0000°,Azm245.0000° $M_0$4.85000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$0.51 $M_{r\theta}$1.37 $M_{\theta\phi}$-0.26 $M_{\phi r}$-3.53 NP1:ϕ_s175.59000°,δ3.34000°,λ-73.11000°. NP2:ϕ_s338.68000°,δ86.80000°,λ-90.97000°. Principal axes: T 3.9755,Plg42.0000° ,Azm70.0000°; N -0.3198,Plg1.0000°,Azm339.0000°; P -3.6557,Plg48.0000°,Azm248.0000° $M_0$3.83000×10^{17}
VAO Event type se. Error ellipse: s-maj=2.9km s-min=2.6km az=-1.0. Presumed earthquake.
NEIC Event type se.
GFZ Error ellipse: s-maj=6.3km s-min=3.8km az=82.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=14.4km s-min=7.9km az=91.2.
IDC Error ellipse: s-maj=9.4km s-min=6.2km az=135.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111030317A. Moment Tensor Solution. s147,c265; s154,c323;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.72±.05 $M_{\theta\theta}$-0.91±.05; $M_{\phi\phi}$2.62±.06; $M_{r\theta}$1.88±.03; $M_{\theta\phi}$-0.06±.05; $M_{\phi r}$-3.33±.04; Best double couple: NP1: ϕ_s209.00000°,δ22.00000°,λ-36.00000°. NP2:ϕ_s333.00000°,δ77.00000°,λ-108.00000°. Principal axes: T 4.5980,Plg30.0000°,Azm78.0000°; N -0.2820,Plg18.0000°,Azm337.0000° ; P -4.3220,Plg54.0000°,Azm221.0000° $M_0$4.46000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.86 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$1.95 $M_{r\theta}$1.48 $M_{\theta\phi}$-0.26 $M_{\phi r}$-3.04 NP1:ϕ_s188.43000°,δ16.68000° ,λ-59.23000°. NP2:ϕ_s336.57000°,δ75.72000°,λ-98.72000°. Principal axes: T 3.8714,Plg30.0000°,Azm74.0000°; N 0.0385,Plg8.0000°,Azm339.0000° ; P -3.9100,Plg58.0000°,Azm235.0000° $M_0$3.89000×10^{17}

(280) Banda Sea

ISC	XI	03 06 17 16.3–.93	6.84S–.07	129.93E–.07	150		39	2-68
IDC	XI	03 06 17 04.0–1.7	6.88S	128.60E	0	3.9L,3.8	¶621412221	
DJA	XI	03 06 17 17.7–1.5	7S–2.0	130E–2.0	34–26	5.6b,5.1		

ISC Event type se.

(269) Southern Molucca Sea

ISC	XI	03 14 11 29.6–.27	0.28S–.03	123.99E–.03	84–2	5.2b	867	1-160
MOS	XI	03 14 11 25.5–.80	0.20S	123.88E	62	5.3b	¶621261450	
IDC	XI	03 14 11 26.8–1.1	0.28S	123.84E	59–9	4.9,4.7b		
NEIC	XI	03 14 11 28.6–1.4	0.26S–.06	123.97E–.05	67–6	5.4b,4.9		
GCMT	XI	03 14 11 29.1–.20	0.32S–.01	123.99E–.02	65–1	5.0W,4.9		
DJA	XI	03 14 11 29.4–.10	0S–1.0	124E–1.0	64–1	5.8,5.6b		
GFZ	XI	03 14 11 29.1–.14	0S–2.0	124E–2.0	70	5.5L,5.4b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111031411A. Moment Tensor Solution. s71,c84; s97,c142; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.12±.09 $M_{\theta\theta}$-0.72±.08; $M_{\phi\phi}$-2.40±.08; $M_{r\theta}$1.33±.05; $M_{\theta\phi}$1.06±.07; $M_{\phi r}$-0.44±.07; Best double couple: NP1:ϕ_s347.00000°,δ38.00000° ,λ114.00000°. NP2:ϕ_s139.00000°,δ56.00000°,λ73.00000°. Principal axes: T 3.5370,Plg73.0000°,Azm4.0000°; N -0.4650,Plg14.0000°,Azm148.0000° ; P -3.0770,Plg9.0000°,Azm241.0000° $M_0$3.30700×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(125) Southern Bolivia

ISC	XI	04 01 14 21.5–.81	21.10S–.04	66.63W–.04	244–8		84	1-28
SCB	XI	04 01 14 21.6–2.0	21.07S	66.59W	241–11	5.8b,3.4L	¶622506126	
SJA	XI	04 01 14 21.4–.61	21.06S	66.59W	247–5	3.3W,3.1L		
NEIC	XI	04 01 14 22.6–1.2	21.08S–.08	66.7W–.10	255–15	4.2b,3.1L		

ISC Event type se.
SCB Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(163) Cook Strait

ISC	XI	07 03 16 44.9–.25	40.36S–.03	173.44E–.03	217–1	5.1b	812	1-178
BJI	XI	07 03 16 42.4	40.32S	174.14E	220	5.6b,5.2b	¶621883490	
NOU	XI	07 03 16 43.8	40.42S	173.54E	207	5.1b,5.2b		
GFZ	XI	07 03 16 45.0–.24	40S–3.0	173E–4.0	206–3	5.4b,5.1b		

IDC XI 07 03 16 44.9–.34 40.24S 173.51E 218–2 5.2,4.7b
GFZ XI 07 03 16 44.9 40.32S 173.41E 215 5.2W,4.7b
NEIC XI 07 03 16 45.5 40.33S 173.56E 210 5.2,4.7b
NEIC XI 07 03 16 45 40.33S 173.43E 213 5.2,4.7b
NEIC XI 07 03 16 45.4–2.6 40.32S–.06 173.45E–.08 219–4 5.0b,4.7b
GCMT XI 07 03 16 46.4–.20 40.32S–.01 173.40E–.02 210–1 5.2W,4.7b
WEL XI 07 03 16 46.9 40.32S 173.42E 206 5.5L,5.1W
ISC Event type se.
NOU Cook Strait, New Zealand.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=11.0km s-min=8.1km az=45.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.51 $M_{\theta\theta}$4.37 $M_{\phi\phi}$-3.86 $M_{r\theta}$4.11 $M_{\theta\phi}$0.36 $M_{\phi r}$3.50 NP1: ϕ_s133.00359°,δ36.99228°,λ-4.23947°. NP2:ϕ_s226.39196°,δ87.45056°,λ-126.91686°. Principal axes: T 7.1272,Plg32.2304°,Azm346.5307°; N -0.6719,Plg36.8743°,Azm228.3060° ; P -6.4553,Plg36.6004°,Azm104.4507° $M_0$6.81611×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88 $M_{\theta\theta}$4.16 $M_{\phi\phi}$-3.28 $M_{r\theta}$3.23 $M_{\theta\phi}$1.85 $M_{\phi r}$4.67 NP1:ϕ_s119.67000°,δ35.76000° ,λ-7.56000°. NP2:ϕ_s215.81000°,δ85.59000°,λ-125.53000°. Principal axes: T 7.2195,Plg31.0000°,Azm335.0000°; N -0.2937,Plg35.0000°,Azm219.0000° ; P -6.9258,Plg39.0000°,Azm94.0000° $M_0$7.08000×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=8.2km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111070316A. Moment Tensor Solution. s81,c115; s114,c167;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.71±.16 $M_{\theta\theta}$4.45±.21; $M_{\phi\phi}$-2.75±.20; $M_{r\theta}$4.04±.15; $M_{\theta\phi}$1.64±.17; $M_{\phi r}$5.81±.15; Best double couple: NP1: ϕ_s116.00000°,δ29.00000°,λ-14.00000°. NP2:ϕ_s219.00000°,δ83.00000°,λ-118.00000°. Principal axes: T 8.2150,Plg32.0000°,Azm332.0000°; N 0.0410,Plg28.0000°,Azm222.0000° ; P -8.2670,Plg45.0000°,Azm101.0000° $M_0$8.24100×10^{16}
WEL Stations used: BFZ BKZ GVZ HIZ KHEZ KHZ LTZ MRZ NNZ NTVZ OTVZ PXZ. OBLIQUE FAULTING. Moment Tensor Solution. s18 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.14 $M_{\theta\theta}$2.91 $M_{\phi\phi}$-1.77 $M_{r\theta}$3.43 $M_{\theta\phi}$0.52 $M_{\phi r}$3.95 NP1:ϕ_s224.00000°,δ84.00000°,λ-114.00000°. NP2: ϕ_s121.00000°,δ25.00000°,λ-14.00000°. Principal axes: T 5.7740,Plg35.0000°,Azm335.0000° ; N 0.1265,Plg24.0000°,Azm227.0000°; P -5.9005,Plg46.0000°,Azm110.0000° $M_0$5.84000×10^{16}

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**07 13 00 51.3–.81**	**0.07S–.04**	**123.31E–.04**	**142–6**	**3.3b**	**49**	**1-59**
IDC	XI	07 13 00 49.8–8.9	0.06N	123.40E	129–87	3.4,2.9b	**¶621416038**	
DJA	XI	07 13 00 52.7–.30	0S–2.0	123E–2.0	126–4	6.2b,5.9		

ISC Event type se.

(153) South Sandwich Islands region

ISC	**XI**	**07 18 50 24.5–.29**	**57.84S–.05**	**25.40W–.05**	**64–2**	**5.1b**	**349**	**7-156**
IDC	XI	07 18 50 16.1–.41	57.74S	25.30W	0	4.9b,4.9	**¶621372482**	
NEIC	XI	07 18 50 23.4–2.2	57.9S–.10	25.4W–.20	51–4	5.2b,4.9		
GCMT	XI	07 18 50 23.5–.30	57.99S–.02	24.85W–.03	39–0	5.0W,4.9		
MOS	XI	07 18 50 24.9–1.1	57.81S	25.40W	73	5.3b,4.9		
GFZ	XI	07 18 50 25.7–.18	58S–4.0	26W–3.0	68	5.8b,5.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111071850A. Moment Tensor Solution. s56,c71; s71,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.49±.19 $M_{\theta\theta}$0.39±.14; $M_{\phi\phi}$-3.87±.12; $M_{r\theta}$-0.47±.13; $M_{\theta\phi}$0.97±.08; $M_{\phi r}$1.77±.11; Best double couple: NP1:ϕ_s169.00000°,δ32.00000° ,λ92.00000°. NP2:ϕ_s346.00000°,δ58.00000°,λ88.00000°. Principal axes: T 3.9110,Plg77.0000°,Azm252.0000°; N 0.5940,Plg1.0000°,Azm347.0000° ; P -4.5000,Plg13.0000°,Azm78.0000° $M_0$4.20500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(224) Hokkaido region

ISC	**XI**	**07 19 22 19.5–.43**	**41.03N–.04**	**142.05E–.04**	**67–2**	**4.5b**	**368**	**1-131**
MOS	XI	07 19 22 17.7–.85	41.03N	142.06E	66	4.8b	**¶621372488**	
NIED	XI	07 19 22 18.7	41.05N	142.04E	57	4.2W		
JMA	XI	07 19 22 18.7–.09	41.1N–.30	142.0E–.30	57–0	4.3,4.2		
IDC	XI	07 19 22 19.8–1.4	41.04N	142.02E	68–12	4.3,4.0b		
NEIC	XI	07 19 22 19.5–1.4	41.07N–.07	141.95E–.08	59–6	4.5b,4.0b		
GFZ	XI	07 19 22 19.4–.35	41N–5.0	142E–5.0	58	6.1b,5.7		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.20 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.24 $M_{r\theta}$0.90 $M_{\theta\phi}$-0.02 $M_{\phi r}$1.69 NP1:ϕ_s164.00000°,δ19.00000°,λ53.00000°. NP2:ϕ_s23.00000° ,δ75.00000°,λ102.00000°. $M_0$2.27000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(259) Mindanao

ISC	**XI**	**08 04 16 46.5–.36**	**7.93N–.03**	**126.72E–.04**	**61–3**	**4.7b**	**379**	**0-163**
DJA	XI	08 04 16 41.0–1.1	8N–9.0	127E–4.0	92–12	5.4,5.3b	**¶621372556**	
GFZ	XI	08 04 16 44.2–.26	8N–3.0	127E–5.0	61	5.2L,5.0b		
BJI	XI	08 04 16 44.1	7.65N	126.81E	75	4.6b,5.0b		
MAN	XI	08 04 16 44.6	7.94N	126.80E	28	5.5b,4.8s		
NEIC	XI	08 04 16 47.2–2.0	7.95N–.07	126.69E–.08	61–6	4.8b,4.8s		
IDC	XI	08 04 16 49.4–1.1	7.99N	126.63E	86–10	4.5,4.1b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe. INTENSITY III - COMPOSTELA MACO MONKAYO AND NABUNTURAN DAVAO DE ORO; CITY OF PANABO DAVAO DEL NORTE; BAGANGA AND CATEEL DAVAO ORIENTAL.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.6km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.1km s-min=8.5km az=82.0.

(135) Near coast of central Chile

ISC	**XI**	**08 04 52 46.0–.48**	**29.17S–.03**	**71.11W–.04**	**77–4**	**4.6b**	**277**	**0-168**
VAO	XI	08 04 52 39.1–.41	29.14S	71.02W	10	4.7b	**¶621372558**	
GFZ	XI	08 04 52 44.4–.23	29S–2.0	71W–5.0	101–3	5.7b,5.2		
SJA	XI	08 04 52 44.5–.67	29.15S	71.27W	81–6	4.7L,4.5W		
NEIC	XI	08 04 52 46.9–1.4	29.20S–.03	71.09W–.07	78–4	4.8,4.7b		
NEIC	XI	08 04 52 46.9	29.19S	71.05W	77	4.8,4.7b		
GUC	XI	08 04 52 46.6–.68	29.20S	71.02W	87–3	4.8L,4.7b		
IDC	XI	08 04 52 48.2–.61	29.05S	70.71W	80–4	4.3,3.9b		

ISC Event type se.
VAO Event type se. Error ellipse: s-maj=3.9km s-min=4.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.5km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.65 $M_{\theta\theta}$7.20 $M_{\phi\phi}$-7.84 $M_{r\theta}$0.02 $M_{\theta\phi}$-1.32 $M_{\phi r}$4.30 NP1:ϕ_s138.11000°,δ77.04000°,λ-18.90000°. NP2:ϕ_s232.50000°,δ71.60000° ,λ-166.33000°. Principal axes: T 7.3360,Plg4.0000°,Azm186.0000°; N 2.3922,Plg67.0000° ,Azm285.0000°; P -9.7282,Plg22.0000°,Azm94.0000° $M_0$8.78000×10^{15}
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.5km s-min=9.4km az=58.0.

(259) Mindanao

ISC	**XI**	**08 07 04 49.1–.59**	**6.41N–.03**	**126.19E–.04**	**84–5**	**4.7b**	**428**	**1-169**
BJI	XI	08 07 04 41.5	5.74N	126.60E	85	5.1b,4.8b	**¶621372569**	
MAN	XI	08 07 04 47.8	6.40N	126.27E	42	5.5b,4.7s		
IDC	XI	08 07 04 49.6–.55	6.34N	125.89E	90–4	4.5,4.1b		
GFZ	XI	08 07 04 49.3–.26	7N–3.0	126E–5.0	84	5.5,5.3b		
DJA	XI	08 07 04 49.9–.40	6N–3.0	126E–3.0	56–4	5.5,5.4b		
NEIC	XI	08 07 04 49.3–1.1	6.45N–.07	126.14E–.08	83–5	4.8b,5.4b		

ISC Event type se.
MAN Event type fe. INTENSITY III - GOVERNOR GENEROSO DAVAO ORIENTAL; . INTENSITY II - CITY OF DAVAO; TARRAGONA DAVAO ORIENTAL; CITY OF GENERAL SANTOS ; . INTENSITY I - BAGUMBAYAN SULTAN KUDARAT.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(136) Central Chile

ISC	**XI**	**08 10 06 02.3–.59**	**35.53S–.02**	**71.36W–.04**	**98–5**	**4.1b**	**146**	**0-120**
SJA	XI	08 10 06 01.5–.61	35.50S	71.39W	100–2	4.1L,4.0W	**¶621372610**	
GFZ	XI	08 10 06 02.7–.21	36S–2.0	71W–5.0	89–2	7.8,7.6b		
NEIC	XI	08 10 06 02.4–1.1	35.51S–.03	71.37W–.04	97–5	4.2b,4.1L		
IDC	XI	08 10 06 03.4–2.5	35.52S	71.17W	102–22	4.0,3.8b		
GUC	XI	08 10 06 03.1–.63	35.51S	71.36W	94–3	4.1L,3.8b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=11.1km s-min=4.7km az=89.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.0km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.0km s-min=13.1km az=92.0.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0. Presumed earthquake.

(135) Near coast of central Chile

ISC	**XI**	**10 06 51 46.3–.51**	**32.81S–.02**	**71.27W–.03**	**61–4**	**4.6b**	**312**	**0-155**
SJA	XI	10 06 51 45.9–.75	32.84S	71.23W	68–2	4.4L,4.4W	**¶621385769**	
NEIC	XI	10 06 51 47.0–1.7	32.84S–.03	71.28W–.04	61–4	4.7b,4.6		
GFZ	XI	10 06 51 46.9–.17	33S–2.0	71W–4.0	70–2	5.5b,5.0		
GUC	XI	10 06 51 46.9–.73	32.84S	71.24W	69–2	4.7L,5.0		
NEIC	XI	10 06 51 46.9	32.85S	71.28W	61	4.7L,5.0		
VAO	XI	10 06 51 47.7–1.3	32.76S	71.10W	70	4.6b,5.0		
IDC	XI	10 06 51 48.5–2.5	32.82S	71.11W	74–20	4.3,3.9b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.0km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.12 $M_{\theta\theta}$-2.30 $M_{\phi\phi}$2.42 $M_{r\theta}$-1.15 $M_{\theta\phi}$0.73 $M_{\phi r}$2.08 NP1:ϕ_s54.82000°,δ46.22000°,λ-0.39000°. NP2:ϕ_s145.09000°,δ89.72000° ,λ-136.22000°. Principal axes: T 3.5878,Plg29.0000°,Azm271.0000°; N -0.3412,Plg46.0000° ,Azm145.0000°; P -3.2466,Plg30.0000°,Azm19.0000° $M_0$3.43000×10^{15}
GFZ Error ellipse: s-maj=7.9km s-min=3.7km az=99.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0. Presumed earthquake.
NEIC Event type se.
VAO Event type se. Error ellipse: s-maj=13.2km s-min=10.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=25.1km s-min=16.4km az=118.0.

(706) Northern Sumatera

ISC	**XI**	**12 10 44 16.5–.22**	**1.32N–.03**	**98.87E–.03**	**89–1**	**5.1b**	**1083**	**0-177**
BJI	XI	12 10 44 10.2	0.64N	98.93E	93	5.1b,4.9b	**¶621399807**	
IDC	XI	12 10 44 15.7–.37	1.24N	98.95E	83–2	4.8,4.5b		
MOS	XI	12 10 44 16.5–.96	1.33N	98.94E	103	5.1b,4.2s		
NEIC	XI	12 10 44 17.7	1.29N	98.89E	92	5.1b,4.2s		
NEIC	XI	12 10 44 17.1–1.1	1.30N–.05	98.89E–.06	91–4	5.3b,5.1		
DJA	XI	12 10 44 17.3–.10	1N–1.0	99E–2.0	90–1	5.6b,5.5		
GFZ	XI	12 10 44 17.9–.30	1N–2.0	99E–2.0	97–2	5.5b,5.2		
GFZ	XI	12 10 44 18.1	1.29N	98.94E	95	5.1W,5.2		
GCMT	XI	12 10 44 19.5–.20	1.31N–.01	98.88E–.01	90–1	5.2W,5.2		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.72 $M_{\theta\theta}$-4.20 $M_{\phi\phi}$1.48 $M_{r\theta}$3.15 $M_{\theta\phi}$2.22 $M_{\phi r}$-0.96 NP1:ϕ_s105.92000°,δ65.38000°,λ86.29000°. NP2:ϕ_s294.76000°,δ24.88000° ,λ98.03000°. Principal axes: T 3.9422,Plg69.0000°,Azm8.0000°; N 2.2370,Plg3.0000° ,Azm107.0000°; P -6.1792,Plg20.0000°,Azm199.0000° $M_0$5.42000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.65 $M_{\theta\theta}$-4.11 $M_{\phi\phi}$2.46 $M_{r\theta}$1.28 $M_{\theta\phi}$1.79 $M_{\phi r}$-2.53 NP1: ϕ_s142.30832°,δ76.11704°,λ138.32720°. NP2:ϕ_s244.36408°,δ49.80032°,λ18.30886°. Principal axes: T 4.6498,Plg38.7606°,Azm94.9452°; N 0.4792,Plg46.4800°,Azm307.2223° ; P -5.1290,Plg16.6630°,Azm198.8502° $M_0$4.90696×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111121044A. Moment Tensor Solution. s93,c142; s120,c194;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.98±.13 $M_{\theta\theta}$-5.79±.13; $M_{\phi\phi}$2.82±.15; $M_{r\theta}$1.66±.10; $M_{\theta\phi}$3.14±.13; $M_{\phi r}$-3.64±.09; Best double couple: NP1: ϕ_s250.00000°,δ48.00000°,λ23.00000°. NP2:ϕ_s144.00000°,δ73.00000°,λ136.00000°. Principal axes: T 6.6350,Plg43.0000°,Azm97.0000°; N 0.9380,Plg43.0000°,Azm307.0000° ; P -7.5620,Plg15.0000°,Azm202.0000° $M_0$7.09800×10^{16}

(267) Halmahera

ISC	**XI**	**13 13 42 52.1–.33**	**1.70N–.03**	**127.43E–.03**	**141–2**	**4.8b**	**559**	**0-159**
GFZ	XI	13 13 42 52.0–.36	2N–4.0	127E–3.0	128–3	5.4b,5.3	**¶621402809**	
IDC	XI	13 13 42 51.7–.63	1.56N	127.49E	140–5	4.6,4.2b		
DJA	XI	13 13 42 51.7–.10	2N–1.0	127E–1.0	123–1	5.6b,5.4b		
NEIC	XI	13 13 42 52.5–1.7	1.68N–.06	127.44E–.08	136–1	4.8b,5.4b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(244) Taiwan

ISC	**XI**	**14 13 05 15.0–.33**	**24.60N–.02**	**121.97E–.02**	**73–2**	**4.9b**	**725**	**0-167**
BJI	XI	14 13 05 12.5	24.50N	122.04E	57	5.4b,5.0L	**¶621403064**	
NIED	XI	14 13 05 14.2	24.54N	121.92E	76	4.9W,5.0L		
NEIC	XI	14 13 05 14.8–1.1	24.56N–.04	121.98E–.05	71–4	5.0b,5.0L		
JMA	XI	14 13 05 14.2–.17	24.5N–.50	121.9E–.50	76–1	5.0,4.6		
ASIES	XI	14 13 05 15.5	24.58N	121.94E	67	4.9W,4.6		
TAP	XI	14 13 05 15.2	24.57N	121.94E	66–0	5.5L,4.6		
IDC	XI	14 13 05 16.0–.55	24.61N	122.08E	81–4	4.6s,4.5		
GFZ	XI	14 13 05 16.3–.22	24N–3.0	122E–3.0	62–2	5.8b,5.3		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.43 $M_{\theta\theta}$2.43 $M_{\phi\phi}$-1.00 $M_{r\theta}$0.98 $M_{\theta\phi}$-1.18 $M_{\phi r}$-0.73 NP1:ϕ_s73.00000°,δ41.00000°,λ-143.00000°. NP2:ϕ_s313.00000° ,δ66.00000°,λ-55.00000°. $M_0$2.53000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. NP1:ϕ_s53.00000°,δ32.00000°,λ144.00000°. NP2:ϕ_s175.00000° ,δ72.00000°,λ63.00000°.
TAP B.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(153) South Sandwich Islands region

ISC	**XI**	**16 06 25 01.6–.31**	**57.73S–.05**	**25.82W–.06**	**73–2**	**4.9b**	**319**	**7-154**
NEIC	XI	16 06 24 59.7–1.0	57.7S–.10	25.7W–.20	56–7	5.0b	**¶621409308**	
GCMT	XI	16 06 25 01.4–.30	57.88S–.03	25.30W–.05	74–4	4.8W		
GFZ	XI	16 06 25 01.7–.40	58S–4.0	26W–4.0	67–4	5.5b,5.0		
IDC	XI	16 06 25 01.9–1.2	57.71S	25.81W	73–8	5.0,4.7b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=14.3km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111160625A. Moment Tensor Solution. s25,c29; s72,c86; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.29±.16 $M_{\theta\theta}$0.58±.20; $M_{\phi\phi}$-1.87±.16; $M_{r\theta}$0.41±.09; $M_{\theta\phi}$-0.63±.15; $M_{\phi r}$-1.44±.07; Best double couple: NP1:ϕ_s43.00000°,δ33.00000° ,λ139.00000°. NP2:ϕ_s170.00000°,δ69.00000°,λ64.00000°. Principal axes: T 2.1010,Plg58.0000°,Azm44.0000°; N 0.3980,Plg24.0000°,Azm180.0000° ; P -2.4930,Plg20.0000°,Azm279.0000° $M_0$2.29700×10^{16}

GFZ Error ellipse: s-maj=9.8km s-min=7.0km az=33.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.1km s-min=12.6km az=66.0.

(190) New Ireland region

ISC	**XI**	**17 07 39 02.3–.23**	**4.60S–.03**	**153.54E–.03**	**97–1**	**5.3b**	**814**	**1-158**
BJI	XI	17 07 38 59.8	4.60S	154.06E	105	5.3b,5.2b		¶621413544
IDC	XI	17 07 39 01.7–1.1	4.63S	153.66E	93–8	5.2,4.9b		
MOS	XI	17 07 39 01.3–.77	4.57S	153.58E	100	5.3b,4.9b		
GFZ	XI	17 07 39 02.2	4.49S	153.53E	90	5.3W,4.9b		
NEIC	XI	17 07 39 02.3–1.8	4.57S–.07	153.54E–.05	88–3	5.4b,5.3		
GCMT	XI	17 07 39 03.8–.10	4.77S–.01	153.54E–.01	87–0	5.4W,5.3		
DJA	XI	17 07 39 03.4–.50	5S–5.0	154E–4.0	106–5	6.4,5.6b		
GFZ	XI	17 07 39 03.2–.61	5S–3.0	154E–3.0	95–6	5.7b,5.5b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.75 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$0.45 $M_{r\theta}$-0.20 $M_{\theta\phi}$-0.12 $M_{\phi r}$-0.46 NP1: ϕ_s116.39170°,δ48.43618°,λ138.99982°. NP2:ϕ_s236.36526°,δ60.60180°,λ49.59792°. Principal axes: T 1.0867,Plg54.7096°,Azm93.8696°; N 0.1516,Plg34.3804°,Azm259.0404° ; P -1.2382,Plg7.0093°,Azm353.8660° $M_0$1.16985×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111170739A. Moment Tensor Solution. s137,c230; s146,c275;Duration: 1s^2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.02 $M_{\theta\theta}$-0.65±.02; $M_{\phi\phi}$-0.16±.02; $M_{r\theta}$-0.48±.01; $M_{\theta\phi}$1.26±.02; $M_{\phi r}$-0.53±.01; Best double couple: NP1: ϕ_s166.00000°,δ60.00000°,λ147.00000°. NP2:ϕ_s274.00000°,δ61.00000°,λ35.00000°. Principal axes: T 1.5610,Plg44.0000°,Azm130.0000°; N 0.1290,Plg46.0000°,Azm308.0000° ; P -1.6900,Plg1.0000°,Azm39.0000° $M_0$1.62500×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(73) El Salvador

ISC	**XI**	**17 19 01 48.7–.32**	**13.73N–.03**	**90.17W–.03**	**100–2**	**4.9b**	**899**	**0-147**
IDC	XI	17 19 01 49.4–.70	14.03N	89.75W	100–5	4.5,4.1b		¶635691981
NEIC	XI	17 19 01 49.7–2.1	13.88N–.08	90.00W–.07	99–5	4.9b,4.1b		
GCMT	XI	17 19 01 49.4–.20	13.82N–.01	90.14W–.01	87–3	5.0W,4.1b		
CATAC	XI	17 19 01 49.9–.17	14N–2.0	90W–1.0	76–2	5.4b,5.3		
SNET	XI	17 19 01 49.6	14N–1.0	90W–1.0	82–0	5.2,5.2		
GCG	XI	17 19 01 49.5–1.2	13.70N	90.19W	77–9	5.1L,4.5		
GFZ	XI	17 19 01 52.4–.56	14N–5.0	90W–6.0	110–6	5.5b,5.0b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111171901A. Moment Tensor Solution. s54,c71; s117,c172; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.54±.12 $M_{\theta\theta}$1.28±.14; $M_{\phi\phi}$-0.73±.14; $M_{r\theta}$3.26±.05; $M_{\theta\phi}$-1.58±.12; $M_{\phi r}$-1.16±.06; Best double couple: NP1:ϕ_s160.00000°,δ16.00000° ,λ-35.00000°. NP2:ϕ_s284.00000°,δ81.00000°,λ-103.00000°. Principal axes: T 4.4900,Plg34.0000°,Azm25.0000°; N -1.4710,Plg13.0000°,Azm286.0000° ; P -3.0150,Plg52.0000°,Azm178.0000° $M_0$3.75200×10^{16}
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27 $M_{\theta\theta}$1.56 $M_{\phi\phi}$-1.29 $M_{r\theta}$2.82 $M_{\theta\phi}$-0.75 $M_{\phi r}$-1.08 NP1:ϕ_s60.95007° ,δ14.40954°,λ-145.38567°. NP2:ϕ_s297.18696°,δ81.87346°,λ-78.06040°. Principal axes: T 3.9049,Plg35.7963°,Azm16.7965°; N -1.3970,Plg11.8180°,Azm115.4748° ; P -2.5079,Plg51.7039°,Azm220.8405° $M_0$3.42702×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.42 $M_{\theta\theta}$1.12 $M_{\phi\phi}$0.30 $M_{r\theta}$0.12 $M_{\theta\phi}$-0.23 $M_{\phi r}$0.00 NP1: ϕ_s105.86083°,δ42.44964°,λ-88.32293°. NP2:ϕ_s283.58852°,δ47.57281°,λ-91.53346°. Principal axes: T 1.1810,Plg2.5621°,Azm14.6739°; N 0.2428,Plg1.1318°,Azm284.6232° ; P -1.4239,Plg87.1987°,Azm170.8087° $M_0$1.31932×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.28 $M_{\theta\theta}$0.93 $M_{\phi\phi}$0.35 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.01 NP1: ϕ_s111.43289°,δ42.91592°,λ-87.55730°. NP2:ϕ_s288.09922°,δ47.13247°,λ-92.26929°. Principal axes: T 1.0190,Plg2.1092°,Azm19.7047°; N 0.2653,Plg1.6630°,Azm289.6435° ; P -1.2843,Plg87.3136°,Azm161.4168° $M_0$1.17431×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.38 $M_{\theta\theta}$0.93 $M_{\phi\phi}$0.45 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.22 $M_{\phi r}$0.00 NP1: ϕ_s112.21480°,δ42.97310°,λ-88.28913°. NP2:ϕ_s289.87711°,δ47.05069°,λ-91.59326°. Principal axes: T 1.0127,Plg2.0392°,Azm21.0044°; N 0.3704,Plg1.1661°,Azm290.9628° ; P -1.3831,Plg87.6507°,Azm171.2169° $M_0$1.24009×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35 $M_{\theta\theta}$1.05 $M_{\phi\phi}$0.30 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.22 $M_{\phi r}$-0.00 NP1: ϕ_s106.96004°,δ41.02753°,λ-87.63502°. NP2:ϕ_s283.82645°,δ49.01492°,λ-92.05637°. Principal axes: T 1.1248,Plg3.9952°,Azm15.2839°; N 0.2403,Plg1.5522°,Azm285.1755° ; P -1.3651,Plg85.7130°,Azm173.9846° $M_0$1.26223×10^{16}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(190) New Ireland region

ISC	**XI**	**18 15 40 15.1–.24**	**4.73S–.03**	**153.31E–.03**	**62–1**	**5.5b**	**1344**	**1-158**
BJI	XI	18 15 40 10.3	4.64S	153.83E	41	5.4b,5.2s		¶621416068
MOS	XI	18 15 40 12.2–1.4	4.65S	153.33E	44	5.8b,5.2s		
GFZ	XI	18 15 40 14.1–.24	5S–2.0	153E–2.0	41–2	5.8b,5.5b		
GFZ	XI	18 15 40 14.1	4.72S	153.27E	42	5.5W,5.5b		
NEIC	XI	18 15 40 15.3–1.5	4.72S–.07	153.29E–.06	62–2	5.5b,5.4		
IDC	XI	18 15 40 17.4–.58	4.77S	153.28E	80–4	5.4,5.1b		
GCMT	XI	18 15 40 17.8–.20	4.85S–.02	153.23E–.02	46–1	5.7W,5.1b		
DJA	XI	18 15 40 17.7–.40	5S–3.0	153E–4.0	70–3	5.8b,5.8		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.98 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-2.26 $M_{r\theta}$0.05 $M_{\theta\phi}$0.37 $M_{\phi r}$-0.08 NP1: ϕ_s170.64727°,δ46.16644°,λ88.26504°. NP2:ϕ_s353.15157°,δ43.86091°,λ91.80621°. Principal axes: T 1.9788,Plg88.2982°,Azm34.5188°; N 0.3354,Plg1.2514°,Azm171.8490° ; P -2.3142,Plg1.1530°,Azm261.8742° $M_0$2.16610×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111181540A. Moment Tensor Solution. s62,c71; s120,c186; Duration: 1s^6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.22±.16 $M_{\theta\theta}$0.00±.09; $M_{\phi\phi}$-3.22±.09; $M_{r\theta}$-0.59±.09; $M_{\theta\phi}$0.69±.06; $M_{\phi r}$-1.78±.10; Best double couple: NP1:ϕ_s335.00000°,δ33.00000° ,λ66.00000°. NP2:ϕ_s182.00000°,δ60.00000°,λ105.00000°. Principal axes: T 3.8250,Plg71.0000°,Azm127.0000°; N -0.0680,Plg13.0000°,Azm355.0000° ; P -3.7540,Plg14.0000°,Azm262.0000° $M_0$3.79000×10^{17}

(186) Vanuatu Islands

ISC	**XI**	**19 19 32 55.8–.18**	**20.56S–.03**	**169.86E–.03**	**136–1**	**5.5b**	**1547**	**1-166**
BJI	XI	19 19 32 53.5	20.26S	170.30E	129	5.3b,5.2b		¶621423306
MOS	XI	19 19 32 55.7–1.1	20.54S	169.79E	141	5.4b,5.2b		
NEIC	XI	19 19 32 55.9–1.8	20.49S–.06	169.82E–.07	129–1	5.7,5.6b		
NEIC	XI	19 19 32 56.3	20.54S	169.75E	133	5.7,5.6b		
IPGP	XI	19 19 32 56.0	20.52S	169.79E	133	5.7W,5.6b		
NEIC	XI	19 19 32 56.5	20.53S	169.79E	130	5.7W,5.6b		
IDC	XI	19 19 32 56.3–.36	20.54S	169.74E	136–2	5.4,5.0b		
NOU	XI	19 19 32 57.4	20.53S	169.82E	142	5.3,5.0b		
BGR	XI	19 19 32 57.9	19.92S	170.61E	134–3	5.3,5.0b		
GFZ	XI	19 19 32 57.0–.14	21S–2.0	170E–2.0	133–1	5.8b,5.5		
GCMT	XI	19 19 32 59.0–.10	20.64S–.01	169.76E–.01	143–0	5.7W,5.5		
GFZ	XI	19 19 32 59.0	20.53S	169.78E	136	5.6W,5.5		
NEIC	XI	19 19 33 02.9	20.53S	169.79E	140	5.6,5.5		

ISC Event type ke.
MOS Error ellipse: s-maj=7.5km s-min=6.9km az=132.5.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.6km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.43 $M_{\theta\theta}$2.65 $M_{\phi\phi}$0.78 $M_{r\theta}$1.11 $M_{\theta\phi}$-2.15 $M_{\phi r}$2.00 NP1:ϕ_s149.53000°,δ53.23000°,λ-52.49000°. NP2:ϕ_s277.48000°,δ50.55000° ,λ-129.17000°. Principal axes: T 4.0690,Plg1.0000°,Azm214.0000°; N 0.6446,Plg29.0000° ,Azm305.0000°; P -4.7136,Plg61.0000°,Azm121.0000° $M_0$4.43000×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s289.00000°,δ49.00000°,λ-132.00000°. NP2:ϕ_s163.00000° ,δ56.00000°,λ-53.00000°.
NEIC Event type se.
IDC Error ellipse: s-maj=8.2km s-min=6.9km az=165.0.
NOU Vanuatu Islands.
BGR Event type ke.
GFZ Error ellipse: s-maj=4.6km s-min=4.2km az=171.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111191932A. Moment Tensor Solution. s153,c292; s171,c361;Duration: 1s^7 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.11±.03 $M_{\theta\theta}$1.61±.04; $M_{\phi\phi}$0.49±.04; $M_{r\theta}$0.93±.03; $M_{\theta\phi}$-2.46±.03; $M_{\phi r}$2.17±.02; Best double couple: NP1: ϕ_s276.00000°,δ51.00000°,λ-145.00000°. NP2:ϕ_s163.00000°,δ64.00000°,λ-44.00000°. Principal axes: T 3.6590,Plg7.0000°,Azm222.0000°; N 0.4570,Plg40.0000°,Azm318.0000° ; P -4.1170,Plg49.0000°,Azm123.0000° $M_0$3.88800×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.08 $M_{\theta\theta}$0.27 $M_{\phi\phi}$0.80 $M_{r\theta}$0.05 $M_{\theta\phi}$-2.78 $M_{\phi r}$2.01 NP1: ϕ_s276.15907°,δ50.91793°,λ-164.94803°. NP2:ϕ_s176.53681°,δ78.37024°,λ-40.06428°. Principal axes: T 3.7925,Plg17.6523°,Azm231.9325°; N -0.5158,Plg48.5567°,Azm343.0576° ; P -3.2767,Plg36.0384°,Azm128.5454° $M_0$3.56268×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s^2 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.56 $M_{\theta\theta}$1.54 $M_{\phi\phi}$1.02 $M_{r\theta}$0.93 $M_{\theta\phi}$-2.17 $M_{\phi r}$1.44 NP1:ϕ_s283.85000°,δ50.63000° ,λ-133.00000°. NP2:ϕ_s159.62000°,δ55.57000°,λ-50.27000°. Principal axes: T 3.4797,Plg3.0000°,Azm223.0000°; N 0.1434,Plg32.0000°,Azm314.0000° ; P -3.6231,Plg58.0000°,Azm128.0000° $M_0$3.55000×10^{17}

(230) Near south coast of eastern Honshu

ISC	**XI**	**19 23 57 22.3–.43**	**35.75N–.03**	**139.54E–.04**	**101–3**	**4.6b**	**375**	**0-149**
MOS	XI	19 23 57 21.1–1.1	35.69N	139.56E	107	4.7b		¶621423322
BJI	XI	19 23 57 22.0	35.80N	139.50E	100	5.1b,4.7b		
GFZ	XI	19 23 57 22.2–.36	36N–3.0	140E–4.0	104–3	5.6b,5.1		
IDC	XI	19 23 57 23.0–.36	35.65N	139.32E	103–3	4.5,4.2b		
NEIC	XI	19 23 57 23.5–1.7	35.80N–.05	139.52E–.05	109–5	4.6b,4.2b		
JMA	XI	19 23 57 23.3–.14	35.7N–.50	139.5E–.60	99–1	4.6,4.5W		
NIED	XI	19 23 57 23.3	35.73N	139.53E	99	4.5W,4.5W		

ISC Event type ke.
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=118.4.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=9.7km s-min=4.8km az=53.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.7km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. TOKYO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.78 $M_{\theta\theta}$4.35 $M_{\phi\phi}$-3.57 $M_{r\theta}$-3.25 $M_{\theta\phi}$-4.93 $M_{\phi r}$-0.56 NP1:ϕ_s341.00000°,δ63.00000°,λ-1.00000°. NP2:ϕ_s72.00000° ,δ89.00000°,λ-153.00000°. $M_0$7.11000×10^{15}

(186) Vanuatu Islands

ISC	**XI**	**20 10 57 52.8–.23**	**15.60S–.03**	**167.68E–.03**	**134–1**	**5.4b**	**1374**	**0-169**
NEIC	XI	20 10 57 52.8–1.4	15.59S–.09	167.61E–.08	123–1	5.6,5.4b		¶621427716
IDC	XI	20 10 57 52.8–.57	15.66S	167.67E	132–4	5.4,5.0b		
NOU	XI	20 10 57 52.5	15.57S	167.69E	127	5.4b,5.0b		
GFZ	XI	20 10 57 52.2–.41	16S–2.0	168E–2.0	123–3	5.9b,5.5b		
NEIC	XI	20 10 57 53.5	15.61S	167.61E	128	5.9b,5.5b		
NEIC	XI	20 10 57 53.5	15.61S	167.60E	128	5.9b,5.5b		
GFZ	XI	20 10 57 53.8	15.60S	167.64E	130	5.6W,5.5b		
BJI	XI	20 10 57 53.8	14.95S	167.54E	129	5.8b,5.6b		
IPGP	XI	20 10 57 53.0	15.60S	167.59E	127	5.7W,5.6b		
GCMT	XI	20 10 57 53.8–.10	15.66S–.01	167.47E–.01	134–0	5.6W,5.6b		
PTWC	XI	20 10 57 54	15.70S	167.56E	104	5.6,5.6b		
MOS	XI	20 10 57 54.6–1.2	15.55S	167.49E	150	5.6b,5.6b		
NEIC	XI	20 10 57 59	15.51S	167.60E	130	5.6,5.6b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=12.5km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.25 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-2.56 $M_{r\theta}$0.76 $M_{\theta\phi}$0.37 $M_{\phi r}$-0.49 NP1:ϕ_s357.28000°,δ39.58000°,λ104.04000°. NP2:ϕ_s159.30000°,δ51.82000° ,λ78.66000°. Principal axes: T 3.4211,Plg79.0000°,Azm22.0000°; N -0.7204,Plg9.0000° ,Azm166.0000°; P -2.7007,Plg6.0000°,Azm257.0000° $M_0$3.12000×10^{17}
IDC Error ellipse: s-maj=9.6km s-min=7.3km az=80.0.
NOU Vanuatu Islands.
GFZ Error ellipse: s-maj=5.1km s-min=4.6km az=126.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.08 $M_{\theta\theta}$0.73 $M_{\phi\phi}$-2.81 $M_{r\theta}$0.64 $M_{\theta\phi}$0.26 $M_{\phi r}$-1.29 NP1: ϕ_s161.11630°,δ61.09429°,λ72.50129°. NP2:ϕ_s14.23039°,δ33.39402°,λ118.57097°. Principal axes: T 2.5741,Plg68.7742°,Azm35.1531°; N 0.5951,Plg15.2614°,Azm169.7812° ; P -3.1692,Plg14.3931°,Azm263.7963° $M_0$2.91750×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s356.00000°,δ39.00000°,λ100.00000°. NP2:ϕ_s163.00000° ,δ52.00000°,λ82.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111201057A. Moment Tensor Solution. s133,c237; s168,c345;Duration: 1s^6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.29±.03 $M_{\theta\theta}$0.24±.04; $M_{\phi\phi}$-3.54±.03; $M_{r\theta}$0.54±.03; $M_{\theta\phi}$0.52±.04; $M_{\phi r}$-0.71±.03; Best double couple: NP1:ϕ_s1.00000° ,δ39.00000°,λ103.00000°. NP2:ϕ_s165.00000°,δ52.00000°,λ80.00000°. Principal axes: T 3.4380,Plg80.0000°,Azm30.0000°; N 0.2520,Plg8.0000°,Azm171.0000° ; P -3.6950,Plg6.0000°,Azm262.0000° $M_0$3.56700×10^{17}
MOS Error ellipse: s-maj=8.2km s-min=6.2km az=126.7.
NEIC Event type se. Moment Tensor Solution.Duration: 3s^2 Moment tensor: Scale 10^{17}Nm; M_{rr}2.71 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-2.89 $M_{r\theta}$0.52 $M_{\theta\phi}$0.33 $M_{\phi r}$-0.94 NP1:ϕ_s2.98000°,δ35.99000° ,λ104.29000°. NP2:ϕ_s165.51000°,δ55.28000°,λ79.84000°. Principal axes: T 2.9372,Plg77.0000°,Azm41.0000°; N 0.1592,Plg8.0000°,Azm171.0000° ; P -3.0964,Plg10.0000°,Azm263.0000° $M_0$3.02000×10^{17}

(259) Mindanao

ISC	**XI**	**20 22 42 58.9–.29**	**6.67N–.03**	**126.66E–.03**	**103–2**	**5.0b**	**1018**	**0-163**
MAN	XI	20 22 42 55.3	6.58N	126.86E	83	5.6b,5.0s		¶621427824
BJI	XI	20 22 42 57.8	6.70N	126.60E	100	4.9b,4.9b		
IDC	XI	20 22 42 58.2–.86	6.71N	126.79E	98–7	4.9,4.5b		
GCMT	XI	20 22 42 58.6–.20	6.54N–.02	126.62E–.02	72–1	4.9W,4.5b		
DJA	XI	20 22 42 58.7–.30	7N–2.0	127E–2.0	93–2	5.5b,5.5		
NEIC	XI	20 22 42 58.5–1.4	6.70N–.07	126.70E–.06	95–3	5.0b,5.5		
GFZ	XI	20 22 42 58.4–.32	7N–2.0	127E–3.0	94–2	5.5,5.4b		

ISC Event type se.
MAN Event type fe. INTENSITY III - TARRAGONA DAVAO ORIENTAL; . INTENSITY II - CITY OF DIGOS DAVAO DEL SUR; . INTENSITY I - GOVERNOR GENEROSO DAVAO ORIENTAL.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111202242A. Moment Tensor Solution. s54,c64; s102,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.05±.09 $M_{\theta\theta}$-0.37±.08; $M_{\phi\phi}$2.42±.09; $M_{r\theta}$0.34±.05; $M_{\theta\phi}$0.99±.08; $M_{\phi r}$-1.37±.06; Best double couple: NP1:ϕ_s219.00000°,δ36.00000° ,λ-55.00000°. NP2:ϕ_s359.00000°,δ61.00000°,λ-112.00000°. Principal axes: T 3.0300,Plg14.0000°,Azm105.0000°; N -0.4300,Plg19.0000°,Azm10.0000° ; P -2.6040,Plg66.0000°,Azm228.0000° $M_0$2.81700×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(706) Northern Sumatera

ISC	**XI**	**23 06 22 18.6–.60**	**1.64N–.04**	**99.39E–.05**	**163–5**	**4.1b**	**134**	**0-83**
NEIC	XI	23 06 22 18.8–1.2	1.60N–.08	99.41E–.05	162–7	4.3b		¶621448775
IDC	XI	23 06 22 18.9–.84	1.66N	99.38E	161–4	4.3,3.8b		
GFZ	XI	23 06 22 18.6–.19	2N–4.0	99E–4.0	163–2	5.7b,5.2		
DJA	XI	23 06 22 20.1–.40	2N–3.0	99E–4.0	147–4	5.1b,4.9b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(217) Kamchatka Peninsula

ISC	**XI**	**23 16 12 36.2–.40**	**52.19N–.03**	**157.50E–.04**	**144–3**	**4.7b**	**458**	**0-146**

BJI	XI	23 16 12 32.8	52.24N	157.80E	154	5.2b,4.5b		¶621449562
KRSC	XI	23 16 12 34.0–1.5	52.12N	157.64E	150–11	4.6L,4.5b		
MOS	XI	23 16 12 35.0–.86	52.20N	157.38E	148	4.7b,4.5b		
GFZ	XI	23 16 12 36.4–.46	52N–4.0	157E–3.0	140–4	5.7b,5.2		
IDC	XI	23 16 12 37.0–.53	52.37N	157.26E	147–3	4.4,3.9b		
NEIC	XI	23 16 12 37.3–1.0	52.39N–.09	157.2E–.10	147–5	4.8b,3.9b		
ISC	Event type se.							
KRSC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
	(221) Kuril Islands							
ISC	**XI**	**23 19 35 23.0–.51**	**49.05N–.05**	**154.12E–.04**	**156–4**	**4.5b**	**452 2-148**	
BJI	XI	23 19 35 17.1	49.19N	154.63E	149	5.0b,4.7b		¶621449592
KRSC	XI	23 19 35 20.9–1.8	49.08N	154.29E	182–31	5.0L,4.7b		
MOS	XI	23 19 35 22.7–1.1	49.12N	154.06E	167	4.6b,4.7b		
NEIC	XI	23 19 35 23.7–1.1	49.14N–.08	154.0E–.10	153–6	4.6b,4.7b		
GFZ	XI	23 19 35 24.7–.67	49N–4.0	154E–4.0	160–6	6.3b,6.0		
IDC	XI	23 19 35 25.2–.73	49.25N	153.88E	167–6	4.4,3.9b		
JMA	XI	23 19 35 27.5–.76	48N–4.0	154E–6.0	2	4.6,3.9b		
ISC	Event type ke.							
KRSC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
JMA	Event type ke. FAR FIELD .							
	(184) Santa Cruz Islands							
ISC	**XI**	**24 23 12 13.6–.45**	**10.71S–.05**	**166.07E–.05**	**145–3**	**4.8b**	**334 4-165**	
BJI	XI	24 23 12 13.2	10.15S	166.28E	143	5.0b,4.8b		¶621464949
NEIC	XI	24 23 12 13.1–.97	10.60S–.09	166.13E–.09	136–5	4.9b,4.8b		
IDC	XI	24 23 12 14.2–1.7	10.61S	166.08E	149–15	4.7,4.3b		
GFZ	XI	24 23 12 14.8–.69	11S–5.0	166E–4.0	156–6	6.1b,5.8		
NOU	XI	24 23 12 17.3	10.97S	165.77E	161	4.9b,5.8		
GCMT	XI	24 23 12 17.3–.30	10.43S–.04	166.06E–.03	164–5	4.8W,5.8		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NOU	Santa Cruz Islands.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111242312A. Moment Tensor Solution. s12,c12; s82,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.49±.10 $M_{\theta\theta}$0.08±.17; $M_{\phi\phi}$1.41±.16; $M_{r\theta}$-0.71±.10; $M_{\theta\phi}$-0.53±.18; $M_{\phi r}$-1.08±.09; Best double couple: NP1:ϕ_s140.00000° ,δ36.00000°,λ-132.00000°. NP2:ϕ_s8.00000°,δ64.00000°,λ-64.00000°. Principal axes: T 1.8180,Plg16.0000°,Azm79.0000°; N 0.3440,Plg23.0000°,Azm176.0000° ; P -2.1660,Plg62.0000°,Azm318.0000° $M_0$1.99200×10^{16}							
	(263) Talaud Islands							
ISC	**XI**	**27 06 01 53.0–.25**	**4.71N–.02**	**126.31E–.03**	**86–2**	**5.4b**	**1328 1-178**	
BJI	XI	27 06 01 50.1	4.37N	126.26E	96	5.2b,5.1b		¶621480045
MOS	XI	27 06 01 50.0–1.1	4.76N	126.19E	79	5.4b,5.1b		
MAN	XI	27 06 01 51.5	4.61N	126.39E	83	5.8b,5.3s		
NEIC	XI	27 06 01 53.6	4.73N	126.39E	70	5.2,5.3s		
GFZ	XI	27 06 01 53.6	4.75N	126.27E	88	5.3W,5.3s		
NEIC	XI	27 06 01 53.4–1.8	4.69N–.05	126.27E–.07	80–6	5.5b,5.3s		
NEIC	XI	27 06 01 53.2	4.73N	126.29E	76	5.5b,5.3s		
IDC	XI	27 06 01 53.2–.98	4.70N	126.11E	84–7	5.0,4.7b		
DJA	XI	27 06 01 54.3–.20	5N–2.0	126E–1.0	95–2	6.2,5.9b		
GCMT	XI	27 06 01 54.4–.10	4.68N–.01	126.35E–.01	84–1	5.3W,5.9b		
GFZ	XI	27 06 01 54.7–.33	5N–2.0	126E–3.0	95–4	6.0L,5.9b		
ISC	Event type se.							
MAN	Event type fe. INTENSITY III - SARANGANI ISLAND (MUNICIPALITY OF SARANGANI) DAVAO OCCIDENTAL; . INTENSITY II - BALUT ISLAND (MUNICIPALITY OF SARANGANI) DAVAO OCCIDENTAL; KIAMBA AND MALUNGON SARANGANI; . INTENSITY I - LAKE SEBU SOUTH COTABATO.							
NEIC	Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.59 $M_{\theta\theta}$5.22 $M_{\phi\phi}$-6.81 $M_{r\theta}$-3.04 $M_{\theta\phi}$5.96 $M_{\phi r}$-1.98 NP1:ϕ_s295.36000°,δ69.90000° ,λ15.42000°. NP2:ϕ_s199.94000°,δ75.54000°,λ159.21000°. Principal axes: T 9.3219,Plg25.0000°,Azm157.0000°; N -0.0161,Plg65.0000°,Azm347.0000° ; P -9.3058,Plg4.0000°,Azm248.0000° $M_0$9.31000×10^{16}							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.50 $M_{\theta\theta}$4.92 $M_{\phi\phi}$-7.42 $M_{r\theta}$-2.99 $M_{\theta\phi}$6.29 $M_{\phi r}$-2.21 NP1: ϕ_s295.48908°,δ67.70467°,λ17.30783°. NP2:ϕ_s198.74681°,δ74.02225°,λ156.75737°. Principal axes: T 9.4527,Plg27.5746°,Azm155.8836°; N 0.6724,Plg62.0486°,Azm346.0901° ; P -10.1252,Plg4.2220°,Azm248.0930° $M_0$9.80628×10^{16}							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NEIC	Event type se.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111270601A. Moment Tensor Solution. s122,c173; s134,c256;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.23±.01 $M_{\theta\theta}$0.71±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$-0.44±.01; $M_{\theta\phi}$0.78±.02; $M_{\phi r}$-0.31±.01; Best double couple: NP1: ϕ_s296.00000°,δ68.00000°,λ16.00000°. NP2:ϕ_s200.00000°,δ75.00000°,λ157.00000°. Principal axes: T 1.2870,Plg27.0000°,Azm157.0000°; N -0.0260,Plg63.0000°,Azm350.0000° ; P -1.2610,Plg5.0000°,Azm249.0000° $M_0$1.27400×10^{17}							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
	(111) Northern Peru							
ISC	**XI**	**28 10 52 14.0–.20**	**4.50S–.02**	**76.82W–.03**	**119–1**	**6.7b**	**2864 3-175**	
BJI	XI	28 10 52 12.0	4.50S	76.70W	100	7.0b		¶621480794
GFZ	XI	28 10 52 13.6–.06	4S–1.0	77W–2.0	102	7.3,7.2		
GFZ	XI	28 10 52 13.6	4.43S	76.76W	111	7.4W,7.2		
IDC	XI	28 10 52 13.5–1.1	4.43S	76.86W	114–9	6.5s,6.3		
NEIC	XI	28 10 52 13.2	4.49S	76.83W	109	6.5s,6.3		
VAO	XI	28 10 52 13.9–.27	4.42S	76.74W	123–2	6.8b,6.3		
MOS	XI	28 10 52 13.8–1.0	4.41S	77.02W	124	6.6b,6.5s		
IPGP	XI	28 10 52 13.0	4.49S	76.85W	123	7.5W,6.5s		
PTWC	XI	28 10 52 14	4.50S	76.70W	99	7.4,6.5s		
NEIC	XI	28 10 52 14.6–1.2	4.47S–.05	76.81W–.04	126–1	7.4,6.8b		
NEIC	XI	28 10 52 14.5	4.47S	76.82W	126	7.4,6.8b		
OSUNB	XI	28 10 52 15.6–.33	4.59S	76.75W	129–2	7.2W,6.8b		
GCMT	XI	28 10 52 25.2–.10	4.73S	76.73W	110–0	7.5W,6.8b		
NEIC	XI	28 10 52 37.6	4.89S	77.03W	110	7.5,6.8b		
ISC	Event type ke.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}-1.62 $M_{\theta\theta}$0.19 $M_{\phi\phi}$1.42 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.64 $M_{\phi r}$0.33 NP1: ϕ_s159.96820°,δ50.61082°,λ-86.24780°. NP2:ϕ_s334.06783°,δ39.53852°,λ-94.55687°. Principal axes: T 1.7250,Plg5.5434°,Azm247.3035°; N -0.0721,Plg2.8991°,Azm337.5851° ; P -1.6529,Plg83.7401°,Azm95.0798° $M_0$1.69007×10^{20}							
IDC	Error ellipse: s-maj=9.7km s-min=6.4km az=61.0.							
NEIC	Event type se.							
VAO	Event type se. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. Presumed earthquake.							
MOS	Error ellipse: s-maj=7.2km s-min=4.4km az=82.2.							
IPGP	Moment Tensor Solution. NP1:ϕ_s335.00000°,δ39.00000°,λ-94.00000°. NP2:ϕ_s160.00000° ,δ51.00000°,λ-87.00000°.							
NEIC	Event type se. Error ellipse: s-maj=9.8km s-min=5.8km az=325.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}-1.34 $M_{\theta\theta}$0.33 $M_{\phi\phi}$1.01 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.33 NP1:ϕ_s156.86000°,δ52.20000°,λ-85.70000°. NP2:ϕ_s329.86000° ,δ38.01000°,λ-95.53000°. Principal axes: T 1.2807,Plg7.0000°,Azm244.0000° ; N 0.1099,Plg3.0000°,Azm334.0000°; P -1.3905,Plg82.0000°,Azm90.0000° $M_0$1.34000×10^{20}							
NEIC	Event type se.							
OSUNB	Event type ke. Error ellipse: s-maj=3.0km s-min=3.8km az=0.0.							
GCMT	nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. ID: C202111281052A. Moment Tensor Solution. s172,c458; s171,c877;Duration: 13s3 Moment tensor: Scale 10^{20}Nm; M_{rr}-1.90±.01 $M_{\theta\theta}$0.19±.00; $M_{\phi\phi}$1.71±.00; $M_{r\theta}$-0.21±.00; $M_{\theta\phi}$-0.79±.00; $M_{\phi r}$0.47±.01; Best double couple: NP1:ϕ_s337.00000°,δ38.00000°,λ-90.00000°. NP2:ϕ_s157.00000°,δ52.00000°,λ-90.00000°. Principal axes: T 2.1150,Plg7.0000°,Azm247.0000°; N -0.1490,Plg0.0000°,Azm157.0000° ; P -1.9660,Plg83.0000°,Azm66.0000° $M_0$2.04100×10^{20}							
NEIC	Event type se. Moment Tensor Solution.Duration: 28s9 Moment tensor: Scale 10^{20}Nm; M_{rr}-1.96 $M_{\theta\theta}$0.20 $M_{\phi\phi}$1.77 $M_{r\theta}$-0.22 $M_{\theta\phi}$-0.69 $M_{\phi r}$0.60 NP1:ϕ_s339.02000°,δ36.09000° ,λ-90.48000°. NP2:ϕ_s159.61000°,δ53.91000°,λ-89.65000°. Principal axes: T 2.1268,Plg9.0000°,Azm249.0000°; N -0.0655,Plg0.0000°,Azm339.0000° ; P -2.0614,Plg81.0000°,Azm71.0000° $M_0$2.09000×10^{20}							
	(358) Romania							
ISC	**XI**	**30 16 20 57.1–.80**	**45.72N–.02**	**26.69E–.02**	**137–4**	**3.5b**	**276 0-52**	
BEO	XI	30 16 20 51.0–.70	45.90N	27.63E	103–3	3.8L		¶621532548
SIGU	XI	30 16 20 56.1	45.77N	26.73E	134	3.5b		
MCSM	XI	30 16 20 57.8–.90	46N–4.0	27E–5.0	125–7	6.1b,5.8		
IDC	XI	30 16 20 57.8–.85	45.97N	26.48E	118–13	3.7,3.4s		
BUC	XI	30 16 20 57.8–.20	45.69N	26.73E	125–1	4.1L,3.4s		
SOF	XI	30 16 20 58.6	45.59N–.01	26.65E–.01	120–1	4.4,3.4s		
CFUSG	XI	30 16 20 59.5	45.81N	26.95E	118	3.5,3.2s		
ISC	Event type ke.							
BEO	Event type ke.							
IDC	Error ellipse: s-maj=43.3km s-min=16.8km az=104.0.							
BUC	Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=21.0.							
SOF	Event type ke.							
	(207) Eastern New Guinea region							
ISC	**XII**	**01 02 35 02.3–.50**	**5.15S–.06**	**146.25E–.07**	**150**	**4.3b**	**88 3-144**	
IDC	XII	01 02 35 01.0–2.2	5.18S	146.35E	142–18	4.4,3.9b		¶621629782
NEIC	XII	01 02 35 03.4–1.2	5.2S–.10	146.25E–.09	159–7	4.4b,3.9b		
DJA	XII	01 02 35 03.7–.30	5S–5.0	146E–3.0	164–7	5.8b,5.3		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
	(227) Eastern Honshu							
ISC	**XII**	**01 16 58 37.6–.23**	**36.16N–.03**	**140.02E–.03**	**66–1**	**5.1b**	**1094 0-156**	
BJI	XII	01 16 58 29.8	35.95N	140.49E	52	5.3b,5.1b		¶635654313
IDC	XII	01 16 58 34.6–1.7	36.25N	139.98E	33–13	4.9,4.7b		
MOS	XII	01 16 58 36.6–.99	36.21N	139.96E	67	5.3b,4.3s		
NEIC	XII	01 16 58 36.6–2.0	36.19N–.05	140.09E–.07	52–4	5.1b,4.9		
NEIC	XII	01 16 58 38.1	36.20N	140.05E	65	5.1b,4.9		
GFZ	XII	01 16 58 38.4–.21	36N–2.0	140E–3.0	64–1	6.0,6.0		
NIED	XII	01 16 58 38.8	36.22N	139.99E	65	4.9W,6.0		
NEIC	XII	01 16 58 38.1	36.20N	140.05E	65	4.9W,6.0		
JMA	XII	01 16 58 38.8–.06	36.2N–.20	140.0E–.20	65–0	5.1,4.9W		
BGR	XII	01 16 58 41.7	36.23N	138.46E	52–1	5.2b,4.9W		
GCMT	XII	01 16 58 41.2–.30	36.44N–.02	139.88E–.02	98–3	5.0W,4.9W		
NEIC	XII	01 16 58 45.9	36.10N	139.80E	50	5.0,4.9W		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=11.4km s-min=8.1km az=91.0.							
MOS	Error ellipse: s-maj=6.0km s-min=3.7km az=116.0.							
NEIC	Event type se. Error ellipse: s-maj=8.3km s-min=7.3km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.89 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$0.93 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.99 $M_{\phi r}$2.50 NP1:ϕ_s173.17000°,δ81.13000°,λ-112.59000°. NP2:ϕ_s62.85000°,δ24.19000° ,λ-22.10000°. Principal axes: T 2.7660,Plg32.0000°,Azm282.0000°; N 0.2605,Plg22.0000° ,Azm177.0000°; P -3.0265,Plg49.0000°,Azm59.0000° $M_0$2.91000×10^{16}							
NEIC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.82 $M_{\theta\theta}$0.18 $M_{\phi\phi}$0.64 $M_{r\theta}$0.03 $M_{\theta\phi}$1.08 $M_{\phi r}$2.41 NP1:ϕ_s73.00000°,δ24.00000°,λ-24.00000°. NP2:ϕ_s185.00000° ,δ81.00000°,λ-112.00000°. $M_0$2.74000×10^{16}							
NEIC	Event type se.							
JMA	Event type fe. SW IBARAKI PREF .							
BGR	Event type ke.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112011658A. Moment Tensor Solution. s30,c39; s100,c150; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.53±.12 $M_{\theta\theta}$-1.13±.13; $M_{\phi\phi}$1.67±.13; $M_{r\theta}$-0.54±.08; $M_{\theta\phi}$2.52±.13; $M_{\phi r}$2.44±.06; Best double couple: NP1:ϕ_s74.00000°,δ48.00000° ,λ-7.00000°. NP2:ϕ_s169.00000°,δ85.00000°,λ-138.00000°. Principal axes: T 3.9760,Plg24.0000°,Azm294.0000°; N -0.2760,Plg48.0000°,Azm174.0000° ; P -3.6940,Plg32.0000°,Azm40.0000° $M_0$3.83500×10^{16}							
NEIC	Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.48 $M_{\theta\theta}$1.68 $M_{\phi\phi}$0.79 $M_{r\theta}$-0.43 $M_{\theta\phi}$1.52 $M_{\phi r}$2.35 NP1:ϕ_s76.68000°,δ39.54000° ,λ-42.70000°. NP2:ϕ_s202.11000°,δ64.43000°,λ-121.24000°. Principal axes: T 3.0887,Plg14.0000°,Azm314.0000°; N 0.8348,Plg28.0000°,Azm217.0000° ; P -3.9235,Plg58.0000°,Azm68.0000° $M_0$3.58000×10^{16}							
	(221) Kuril Islands							
ISC	**XII**	**02 21 01 07.9–.41**	**45.54N–.05**	**150.70E–.05**	**100**	**4.3b**	**220 2-152**	
NEIC	XII	02 21 01 08.4–1.5	45.7N–.10	150.7E–.10	95–6	4.4b		¶621611285
IDC	XII	02 21 01 08.4–2.3	45.74N	150.56E	98–20	4.1,3.8b		
MOS	XII	02 21 01 08.1–1.3	45.69N	150.59E	110	4.4b,3.8b		
SKHL	XII	02 21 01 09.7–.20	45.40N	150.50E	117–6	6.2,5.9		
JMA	XII	02 21 01 12.7–.65	45N–3.0	150E–4.0	115	4.5,5.9		
ISC	Event type ke.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
JMA	Event type ke. KURILE ISLANDS REGION .							
	(280) Banda Sea							
ISC	**XII**	**04 07 25 19.8–.32**	**6.64S–.04**	**130.37E–.05**	**100**	**4.8b**	**337 2-151**	
IDC	XII	04 07 25 13.4–2.4	6.61S	130.47E	44–23	5.0L,4.5		¶621612099
GFZ	XII	04 07 25 21.0–.19	7S–3.0	130E–3.0	110	5.2b,5.0b		
DJA	XII	04 07 25 21.1–.10	7S–1.0	130E–1.0	116–2	5.7,5.5b		
NEIC	XII	04 07 25 21.7–1.3	6.64S–.05	130.36E–.08	113–7	4.8b,5.5b		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
	(264) North of Halmahera							
ISC	**XII**	**04 23 47 56.1–.17**	**4.07N–.02**	**128.10E–.03**	**170–1**	**6.3b**	**3021 1-179**	
MOS	XII	04 23 47 55.6–.75	4.06N	128.19E	176	6.4b,5.2s		¶621612562
BJI	XII	04 23 47 55.4	4.01N	128.10E	170	6.1b,6.0b		
NEIC	XII	04 23 47 55.6–2.1	4.09N–.05	128.14E–.07	149–1	6.4b,6.1		
NEIC	XII	04 23 47 55.5	4.07N	128.12E	149	6.4b,6.1		
NEIC	XII	04 23 47 55.4	4.09N	128.16E	149	6.4b,6.1		
PTWC	XII	04 23 47 56	4.00N	128.20E	145	6.1,6.1		
GFZ	XII	04 23 47 56.9–.33	4N–2.0	128E–3.0	169–4	6.5b,6.4b		
IPGP	XII	04 23 47 57.0	4.07N	128.14E	159	6.1W,6.4b		
GFZ	XII	04 23 47 57.5	4.07N	128.13E	164	6.0W,6.4b		
DJA	XII	04 23 47 57.2–.20	4N–2.0	128E–1.0	170–2	6.6b,6.5		
IDC	XII	04 23 47 58.2–.57	4.06N	127.96E	184–4	6.5,6.0b		
NEIC	XII	04 23 47 58.9	4.09N	128.16E	160	6.0,6.0b		
GCMT	XII	04 23 47 58.3–.10	4.20N	128.10E	168–0	6.1W,6.0b		
ISC	Event type se.							
MOS	Error ellipse: s-maj=8.5km s-min=4.8km az=105.1.							
NEIC	Event type se. Error ellipse: s-maj=11.6km s-min=8.4km az=250.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-0.87 $M_{r\theta}$0.12 $M_{\theta\phi}$0.09 $M_{\phi r}$-1.62 NP1:ϕ_s350.65000°,δ16.17000°,λ85.64000°. NP2:ϕ_s175.18000°,δ73.88000° ,λ91.26000°. Principal axes: T 2.0547,Plg61.0000°,Azm87.0000°; N -0.2758,Plg1.0000° ,Azm355.0000°; P -1.7788,Plg29.0000°,Azm264.0000° $M_0$1.93000×10^{18}							
NEIC	Event type se.							
NEIC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
IPGP	Moment Tensor Solution. NP1:ϕ_s330.00000°,δ14.00000°,λ80.00000°. NP2:ϕ_s160.00000° ,δ77.00000°,λ92.00000°.							

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.38 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.10 $M_{r\theta}$0.34 $M_{\theta\phi}$-0.08 $M_{\phi r}$-0.99 NP1: ϕ_s161.40173°,δ83.92593°,λ89.24019°. NP2:ϕ_s348.54548°,δ6.12123°,λ97.10344°. Principal axes: T 1.2189,Plg51.0684°,Azm70.5467°; N -0.3062,Plg0.7555°,Azm161.4821° ; P -0.9127,Plg38.9214°,Azm252.0923° $M_0$1.09830×10^{18}

IDC Error ellipse: s-maj=9.3km s-min=4.4km az=78.0.

NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.46 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-0.45 $M_{r\theta}$0.39 $M_{\theta\phi}$0.03 $M_{\phi r}$-1.21 NP1:ϕ_s6.35000°,δ10.45000° ,λ113.14000°. NP2:ϕ_s162.87000°,δ80.40000°,λ85.85000°. Principal axes: T 1.3708,Plg54.0000°,Azm68.0000°; N -0.0366,Plg4.0000°,Azm164.0000° ; P -1.3342,Plg35.0000°,Azm256.0000° $M_0$1.35000×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112042347A. Moment Tensor Solution. s167,c389; s171,c611;Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}0.60±.01 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$0.53±.01; $M_{\theta\phi}$0.11±.01; $M_{\phi r}$-1.45±.01; Best double couple: NP1:ϕ_s346.00000°,δ10.00000°,λ96.00000°. NP2:ϕ_s160.00000°,δ80.00000°,λ89.00000°. Principal axes: T 1.6870,Plg55.0000°,Azm69.0000°; N -0.0970,Plg1.0000°,Azm161.0000° ; P -1.5890,Plg35.0000°,Azm251.0000° $M_0$1.63800×10^{18}

(207) Eastern New Guinea region

ISC	**XII**	**05 09 43 30.7–.42**	**5.29S–.05**	**145.60E–.06**	**100**	**4.5b**	**120**	**5-144**
DJA	XII	05 09 43 21.8–2.6	5S–10	146E–22	72–10	5.8b,5.7	**¶621612605**	
IDC	XII	05 09 43 29.0–2.9	5.33S	145.59E	83–24	4.2,3.9b		
NEIC	XII	05 09 43 30.7–1.4	5.24S–.05	145.68E–.09	94–7	4.6b,3.9b		
GFZ	XII	05 09 43 32.7–.85	5S–4.0	146E–6.0	110–7	4.6b,4.6b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(123) Northern Chile

ISC	**XII**	**05 21 51 09.2–.22**	**25.28S–.03**	**68.86W–.03**	**103–1**	**5.2b**	**725**	**1-175**
VAO	XII	05 21 50 57.6–.24	25.29S	69.01W	10	5.6b	**¶621613028**	
MOS	XII	05 21 51 07.1–.90	25.32S	68.87W	84	5.2b		
GFZ	XII	05 21 51 08.2	25.34S	68.68W	100	5.1W		
GUC	XII	05 21 51 08.8–.72	25.32S	69.01W	122–6	5.3L		
CATAC	XII	05 21 51 08.8–.42	25S–4.0	69W–6.0	89–6	6.0,5.6		
SJA	XII	05 21 51 08.1–.73	25.32S	68.98W	125	5.4L,5.0W		
GFZ	XII	05 21 51 08.5–.15	25S–2.0	69W–3.0	105–4	5.8b,5.6b		
NEIC	XII	05 21 51 09.5–1.9	25.30S–.04	68.97W–.07	95–3	5.2b,5.1		
NEIC	XII	05 21 51 09.5	25.28S	68.88W	96	5.2b,5.1		
NEIC	XII	05 21 51 09.8	25.30S	68.91W	100	5.2b,5.1		
IDC	XII	05 21 51 10.3–.41	25.25S	68.71W	105–3	5.1,4.8b		
GCMT	XII	05 21 51 12.8–.20	25.15S–.01	68.87W–.02	125–1	5.2W,4.8b		
NEIC	XII	05 21 51 15.8	25.50S	68.79W	80	5.1,4.8b		

ISC Event type se.

VAO Event type se. Error ellipse: s-maj=2.9km s-min=2.8km az=-1.0. Presumed earthquake.

MOS Error ellipse: s-maj=16.7km s-min=7.6km az=99.1.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.47 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$5.27 $M_{r\theta}$1.85 $M_{\theta\phi}$-1.72 $M_{\phi r}$-2.24 NP1: ϕ_s182.55649°,δ33.66333°,λ-62.61912°. NP2:ϕ_s330.66341°,δ60.51395°,λ-107.02942°. Principal axes: T 6.3746,Plg13.9152°,Azm72.9819°; N -0.9284,Plg14.7694°,Azm339.2368° ; P -5.4462,Plg69.4845°,Azm204.4428° $M_0$5.96486×10^{16}

GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0. Presumed earthquake.

CATAC Error ellipse: s-maj=13.3km s-min=8.2km az=77.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.2km az=-1.0. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.4km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.59 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$3.66 $M_{r\theta}$1.60 $M_{\theta\phi}$-0.75 $M_{\phi r}$-4.33 NP1:ϕ_s341.69000°,δ70.77000°,λ-95.18000°. NP2:ϕ_s177.08000° ,δ19.89000°,λ-75.48000°. Principal axes: T 5.9872,Plg26.0000°,Azm76.0000° ; N -0.1501,Plg5.0000°,Azm343.0000°; P -5.8371,Plg64.0000°,Azm243.0000° $M_0$5.91000×10^{16}

NEIC Event type se.

NEIC Event type se.

IDC Error ellipse: s-maj=14.8km s-min=10.0km az=69.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112052151A. Moment Tensor Solution. s73,c85; s128,c192; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.65±.01 $M_{\theta\theta}$-0.05±.02; $M_{\phi\phi}$0.69±.02; $M_{r\theta}$0.11±.01; $M_{\theta\phi}$-0.47±.02; $M_{\phi r}$-0.31±.02; Best double couple: NP1:ϕ_s149.00000°,δ34.00000° ,λ-98.00000°. NP2:ϕ_s338.00000°,δ56.00000°,λ-85.00000°. Principal axes: T 0.9930,Plg11.0000°,Azm64.0000°; N -0.2760,Plg5.0000°,Azm155.0000° ; P -0.7160,Plg78.0000°,Azm267.0000° $M_0$0.85500×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.44 $M_{\theta\theta}$-2.11 $M_{\phi\phi}$5.55 $M_{r\theta}$2.21 $M_{\theta\phi}$-2.25 $M_{\phi r}$-1.67 NP1:ϕ_s198.03000°,δ43.83000° ,λ-36.61000°. NP2:ϕ_s316.22000°,δ65.60000°,λ-127.62000°. Principal axes: T 6.6571,Plg13.0000°,Azm72.0000°; N -1.5719,Plg34.0000°,Azm334.0000° ; P -5.0852,Plg53.0000°,Azm180.0000° $M_0$6.03000×10^{16}

(177) Kermadec Islands region

ISC	**XII**	**06 14 21 32.8–.32**	**27.95S–.03**	**176.80W–.05**	**100**	**4.7b**	**156**	**2-165**
IDC	XII	06 14 21 23.6–.48	27.29S	177.09W	0	4.6b,4.5	**¶621883645**	
GFZ	XII	06 14 21 31.3–.44	28S–4.0	177W–5.0	64–4	6.1b,5.8		
NEIC	XII	06 14 21 33.7–1.2	27.68S–.07	177.0W–.10	86–6	4.8b,5.8		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region

ISC	**XII**	**06 14 33 21.3–.37**	**41.45N–.03**	**142.07E–.03**	**63–2**	**4.8b**	**586**	**1-147**
BJI	XII	06 14 33 18.1	41.37N	142.24E	69	5.1b,4.8b	**¶635658774**	
MOS	XII	06 14 33 20.2–.81	41.48N	142.06E	66	5.1b,4.8b		
JMA	XII	06 14 33 21.4–.09	41.5N–.30	142.1E–.30	55–0	4.4,4.3		
NIED	XII	06 14 33 21.4	41.49N	142.06E	55	4.5W,4.3		
IDC	XII	06 14 33 21.8–1.3	41.47N	142.08E	66–11	4.5,4.2b		
NEIC	XII	06 14 33 21.4–1.5	41.42N–.04	142.06E–.07	57–5	4.9b,4.2b		
GFZ	XII	06 14 33 23.3–.39	42N–5.0	142E–7.0	67–4	5.7b,5.4		

ISC Event type ke.

JMA Event type fe. E OFF AOMORI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.24 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-3.27 $M_{r\theta}$2.10 $M_{\theta\phi}$-0.26 $M_{\phi r}$3.88 NP1:ϕ_s169.00000°,δ21.00000°,λ58.00000°. NP2:ϕ_s23.00000° ,δ72.00000°,λ101.00000°. $M_0$5.48000×10^{15}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(125) Southern Bolivia

ISC	**XII**	**07 07 47 11.2–.42**	**21.59S–.03**	**66.68W–.03**	**218–3**	**4.8b**	**432**	**1-166**
VAO	XII	07 07 47 09.9–.37	21.57S	66.75W	223	4.7b	**¶621615805**	
SCB	XII	07 07 47 10.8–1.7	21.71S	66.64W	226–11	5.5b,5.0L		
NEIC	XII	07 07 47 11.3–2.5	21.58S–.05	66.62W–.07	209–3	4.8b,5.0L		
SJA	XII	07 07 47 11.3–.67	21.63S	66.71W	227–5	4.8L,4.4W		
IDC	XII	07 07 47 12.7–.71	21.53S	66.55W	224–5	4.9,4.3b		
GFZ	XII	07 07 47 12.2–.22	22S–2.0	67W–4.0	216–4	5.3b,5.0b		

ISC Event type se.

VAO Event type se. Presumed earthquake.

SCB Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SJA Event type se. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(130) Catamarca Province

ISC	**XII**	**07 09 41 15.1–.41**	**27.91S–.03**	**66.60W–.04**	**165–3**	**5.0b**	**429**	**1-173**
SJA	XII	07 09 41 13.9–.68	27.91S	66.59W	194–3	5.0L,4.7W	**¶621616416**	
NEIC	XII	07 09 41 14.3–1.1	27.88S–.06	66.55W–.08	151–5	5.0b,4.7W		
VAO	XII	07 09 41 14.0–.81	27.86S	66.69W	159	5.2b,4.7W		
GFZ	XII	07 09 41 15.4–.29	28S–2.0	67W–3.0	166–3	5.5b,5.2		
IDC	XII	07 09 41 15.7–.57	27.93S	66.62W	168–5	4.9,4.5b		

ISC Event type se.

SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.8km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

VAO Event type se. Error ellipse: s-maj=5.9km s-min=9.0km az=-1.0. Presumed earthquake.

GFZ Error ellipse: s-maj=6.1km s-min=5.0km az=82.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC Error ellipse: s-maj=13.4km s-min=8.3km az=93.0.

(193) Bougainville-Solomon Islands region

ISC	**XII**	**07 10 27 59.9–.27**	**9.97S–.03**	**161.07E–.03**	**177–2**	**5.5b**	**1284**	**1-160**
MOS	XII	07 10 27 58.8–.84	9.96S	160.99E	175	5.8b	**¶621883653**	
IDC	XII	07 10 27 59.9–.59	10.05S	160.96E	175–4	5.5,5.1b		
NEIC	XII	07 10 27 59.9–1.1	9.97S–.08	161.08E–.08	166–4	5.6b,5.1b		
GFZ	XII	07 10 28 00.4–.41	10S–2.0	161E–2.0	170–4	5.9b,5.7		
GFZ	XII	07 10 28 00.4	10.00S	160.95E	167	5.5W,5.7		
NEIC	XII	07 10 28 00.4	9.96S	161.04E	169	5.5W,5.7		
NEIC	XII	07 10 28 00.7	9.86S	160.94E	170	5.4,5.7		
GCMT	XII	07 10 28 01.0–.10	10.01S–.01	161.03E–.01	172–0	5.6W,5.7		
BJI	XII	07 10 28 02.9	9.58S	160.89E	198	5.6b,5.5b		

ISC Event type se.

MOS Error ellipse: s-maj=7.6km s-min=5.8km az=114.7.

IDC Error ellipse: s-maj=8.4km s-min=8.2km az=91.0.

NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.8km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=5.3km s-min=4.8km az=164.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.26 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$2.00 $M_{r\theta}$-1.46 $M_{\theta\phi}$-0.92 $M_{\phi r}$-0.31 NP1: ϕ_s128.71736°,δ60.67874°,λ-140.80669°. NP2:ϕ_s16.95056°,δ56.56576°,λ-35.93114°. Principal axes: T 2.2881,Plg2.4832°,Azm251.9840°; N 0.3427,Plg42.5108°,Azm159.7056° ; P -2.6309,Plg47.3813°,Azm344.6854° $M_0$2.47734×10^{17}

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.08 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$1.10 $M_{r\theta}$-0.63 $M_{\theta\phi}$-0.82 $M_{\phi r}$0.15 NP1:ϕ_s358.23000°,δ42.34000° ,λ-48.80000°. NP2:ϕ_s128.41000°,δ59.55000°,λ-120.97000°. Principal axes: T 1.6049,Plg9.0000°,Azm240.0000°; N -0.2123,Plg26.0000°,Azm145.0000° ; P -1.3926,Plg62.0000°,Azm348.0000° $M_0$1.51000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071028A. Moment Tensor Solution. s122,c188; s154,c312;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.58±.03 $M_{\theta\theta}$-0.60±.04; $M_{\phi\phi}$2.19±.03; $M_{r\theta}$-1.70±.03; $M_{\theta\phi}$-1.26±.04; $M_{\phi r}$-0.22±.03; Best double couple: NP1: ϕ_s12.00000°,δ52.00000°,λ-35.00000°. NP2:ϕ_s125.00000°,δ63.00000°,λ-136.00000°. Principal axes: T 2.7210,Plg6.0000°,Azm246.0000°; N 0.3190,Plg40.0000°,Azm151.0000° ; P -3.0330,Plg49.0000°,Azm344.0000° $M_0$2.87700×10^{17}

(280) Banda Sea

ISC	**XII**	**07 16 26 27.1–.36**	**7.90S–.03**	**123.06E–.03**	**272–3**	**4.9b**	**933**	**0-154**
BJI	XII	07 16 26 19.0	8.55S	123.43E	265	5.0b,4.6b	**¶621618748**	
DJA	XII	07 16 26 26.6–.10	8S–1.0	123E–1.0	273–1	5.7,5.6b		
IDC	XII	07 16 26 26.5–.57	7.86S	123.14E	268–5	5.0,4.3b		
NEIC	XII	07 16 26 27.0–1.9	7.83S–.07	123.09E–.06	268–4	5.2,4.9b		
GFZ	XII	07 16 26 27.6–.21	8S–3.0	123E–2.0	266–3	5.6b,5.3b		
GCMT	XII	07 16 26 27.8–.40	7.86S–.03	123.19E–.04	275–4	5.2W,5.3b		
GFZ	XII	07 16 26 27.5	7.90S	123.09E	261	5.2W,5.3b		

ISC Event type se.

IDC Error ellipse: s-maj=11.1km s-min=6.0km az=67.0.

NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.0km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071626A. Moment Tensor Solution. s24,c27; s64,c76; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.16±.07 $M_{\theta\theta}$0.58±.05; $M_{\phi\phi}$-0.74±.05; $M_{r\theta}$-0.21±.06; $M_{\theta\phi}$-0.64±.04; $M_{\phi r}$-0.06±.06; Best double couple: NP1:ϕ_s338.00000° ,δ76.00000°,λ5.00000°. NP2:ϕ_s246.00000°,δ85.00000°,λ165.00000°. Principal axes: T 0.8830,Plg14.0000°,Azm201.0000°; N 0.1310,Plg75.0000°,Azm47.0000° ; P -1.0150,Plg6.0000°,Azm293.0000° $M_0$0.94900×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.15 $M_{\theta\theta}$4.61 $M_{\phi\phi}$-4.77 $M_{r\theta}$-0.98 $M_{\theta\phi}$-4.88 $M_{\phi r}$-1.66 NP1: ϕ_s337.14971°,δ78.24319°,λ-8.60434°. NP2:ϕ_s68.91565°,δ81.57750°,λ-168.11315°. Principal axes: T 6.7021,Plg2.3216°,Azm202.7450°; N 0.6338,Plg75.4668°,Azm103.7477° ; P -7.3359,Plg14.3385°,Azm293.3387° $M_0$7.04042×10^{16}

(265) Minahassa Peninsula, Sulawesi

ISC	**XII**	**10 18 39 18.6–.24**	**0.09S–.03**	**122.94E–.03**	**161–2**	**5.0b**	**823**	**1-164**
BJI	XII	10 18 39 18.2	0.00N	123.00E	155	5.0b,4.7b	**¶621627200**	
NEIC	XII	10 18 39 18.5–1.9	0.04S–.06	122.98E–.06	150–4	5.1b,4.7b		
NEIC	XII	10 18 39 18.5	0.04S	122.98E	148	5.1b,4.7b		
DJA	XII	10 18 39 19.7–.10	0S–1.0	123E–1.0	157–1	5.6,5.5b		
IDC	XII	10 18 39 20.3–.50	0.02S	122.93E	176–4	4.8,4.3b		
GFZ	XII	10 18 39 20.4–.26	0S–2.0	123E–2.0	165–3	5.5b,5.2b		
GCMT	XII	10 18 39 20.5–.20	0.08S–.01	122.94E–.02	162–1	5.0W,5.2b		
GFZ	XII	10 18 39 20.4	0.09S	123.00E	163	5.0W,5.2b		
NEIC	XII	10 18 39 22.9	0.14S	123.18E	150	5.0,5.2b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.5km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

IDC Error ellipse: s-maj=13.1km s-min=6.3km az=76.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112101839A. Moment Tensor Solution. s56,c62; s123,c180; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.21±.11 $M_{\theta\theta}$-3.39±.12; $M_{\phi\phi}$0.18±.13; $M_{r\theta}$-2.87±.10; $M_{\theta\phi}$-1.28±.12; $M_{\phi r}$0.37±.11; Best double couple: NP1:ϕ_s54.00000°,δ29.00000° ,λ59.00000°. NP2:ϕ_s269.00000°,δ65.00000°,λ106.00000°. Principal axes: T 4.4380,Plg66.0000°,Azm208.0000°; N 0.2700,Plg15.0000°,Azm82.0000° ; P -4.7000,Plg19.0000°,Azm347.0000° $M_0$4.56900×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.03 $M_{\theta\theta}$-3.08 $M_{\phi\phi}$0.05 $M_{r\theta}$-1.88 $M_{\theta\phi}$-0.32 $M_{\phi r}$-0.22 NP1: ϕ_s84.68200°,δ29.18931°,λ90.77895°. NP2:ϕ_s263.78976°,δ60.81365°,λ89.56487°. Principal axes: T 3.5656,Plg74.1826°,Azm172.6609°; N 0.0786,Plg0.3799°,Azm264.0020° ; P -3.6442,Plg15.8126°,Azm354.1095° $M_0$3.60557×10^{16}

NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}3.24 $M_{\theta\theta}$-3.14 $M_{\phi\phi}$-0.10 $M_{r\theta}$-1.89 $M_{\theta\phi}$0.35 $M_{\phi r}$0.08 NP1:ϕ_s98.41000°,δ29.85000° ,λ93.48000°. NP2:ϕ_s274.40000°,δ60.21000°,λ88.00000°. Principal axes: T 3.7594,Plg75.0000°,Azm179.0000°; N -0.0657,Plg2.0000°,Azm275.0000° ; P -3.6937,Plg15.0000°,Azm6.0000° $M_0$3.73000×10^{16}

(216) Mariana Islands

ISC	**XII**	**11 00 53 21.4–.31**	**18.74N–.04**	**145.85E–.07**	**145**	**4.8b**	**257**	**5-148**
NEIC	XII	11 00 53 19.8–1.8	18.73N–.08	145.8E–.10	126–6	4.8b	**¶621627329**	
GFZ	XII	11 00 53 20.5–.89	19N–3.0	146E–6.0	130–8	5.9b,5.5		
DJA	XII	11 00 53 20.1–1.1	19N–6.0	146E–7.0	129–10	5.6b,5.4		
IDC	XII	11 00 53 21.6–1.6	18.73N	145.63E	147–14	4.6,4.1b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.7km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

IDC Error ellipse: s-maj=15.4km s-min=8.3km az=86.0.

(153) South Sandwich Islands region

ISC	**XII**	**11 14 35 48.6–.43**	**56.14S–.05**	**27.86W–.05**	**108–3**	**5.0b**	**247**	**5-176**	
NEIC	XII	11 14 35 44.2–2.2	56.16S–.08	27.6W–.10	66–4	5.1b			**¶621627515**
IDC	XII	11 14 35 50.4–.72	56.02S	27.53W	119–5	5.1,4.6b			
GCMT	XII	11 14 35 52.0–.30	56.06S–.02	27.30W–.04	111–3	5.1W,4.6b			
GFZ	XII	11 14 35 56.8–.21	56S–4.0	24W–4.0	138	5.7b,5.2			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112111435A. Moment Tensor Solution. s44,c56; s74,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.41±.25 $M_{\theta\theta}$0.51±.32; $M_{\phi\phi}$-1.91±.31; $M_{r\theta}$-4.38±.17; $M_{\theta\phi}$4.56±.22; $M_{\phi r}$0.04±.19; Best double couple: NP1:ϕ_s183.00000°,δ47.00000°,λ167.00000°. NP2:ϕ_s282.00000°,δ81.00000°,λ44.00000°. Principal axes: T 6.6060,Plg37.0000°,Azm152.0000°; N -0.1010,Plg46.0000°,Azm291.0000° ; P -6.4970,Plg22.0000°,Azm45.0000° $M_0$6.55100×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(223) Eastern Sea of Japan

ISC	**XII**	**12 03 21 26.8–.28**	**44.46N–.03**	**140.98E–.03**	**256–2**	**4.7b**	**918**	**0-157**	
BJI	XII	12 03 21 25.2	44.48N	140.92E	253	4.8b,4.7b			**¶621627632**
MOS	XII	12 03 21 25.9–.83	44.46N	140.97E	260	4.6b,4.7b			
NIED	XII	12 03 21 26.5	44.44N	141.01E	269	5.1W,4.7b			
JMA	XII	12 03 21 26.5–.24	44.4N–.80	141E–2.0	269–2	5.0W,4.8			
IDC	XII	12 03 21 26.9–.34	44.53N	140.98E	255–3	4.9,4.2b			
SKHL	XII	12 03 21 27.1–.30	44.50N	141.00E	265–5	6.2,5.5b			
GFZ	XII	12 03 21 27.1–.27	44N–3.0	141E–5.0	252–4	5.1b,5.0			
NEIC	XII	12 03 21 27.1–1.7	44.47N–.06	140.9E–.10	256–4	4.7b,5.0			
BGR	XII	12 03 21 29.7	45.45N	140.64E	239	5.1b,5.0			

ISC Event type ke.

MOS Error ellipse: s-maj=5.7km s-min=4.1km az=111.0.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.80 $M_{\theta\theta}$0.32 $M_{\phi\phi}$2.48 $M_{r\theta}$2.47 $M_{\theta\phi}$-2.46 $M_{\phi r}$-0.01 NP1:ϕ_s176.00000°,δ43.00000°,λ-40.00000°. NP2:ϕ_s297.00000°,δ64.00000°,λ-126.00000°. $M_0$4.38000×10^{16}

JMA Event type fe. NW OFF HOKKAIDO .

IDC Error ellipse: s-maj=7.0km s-min=6.9km az=120.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.0km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

BGR Event type ke.

(221) Kuril Islands

ISC	**XII**	**12 03 56 10.7–.58**	**44.60N–.04**	**148.36E–.05**	**69–4**	**4.6b**	**415**	**1-151**	
SKHL	XII	12 03 56 08.6–.30	44.50N	148.60E	64–6	5.8b			**¶621627636**
MOS	XII	12 03 56 08.3–.99	44.53N	148.43E	65	4.7b			
BJI	XII	12 03 56 08.4	44.45N	148.55E	77	5.0b,4.8b			
NIED	XII	12 03 56 10.3	44.36N	148.00E	0	4.4W,4.8b			
JMA	XII	12 03 56 10.3–.55	44N–2.0	148E–3.0	0	5.1,4.4			
NEIC	XII	12 03 56 11.6–1.7	44.66N–.07	148.29E–.05	72–5	4.7b,4.4			
IDC	XII	12 03 56 11.0–1.8	44.66N	148.25E	71–15	4.4,4.1b			

ISC Event type ke.

MOS Event type fe. Error ellipse: s-maj=6.9km s-min=5.6km az=103.7. Felt (III) at Gornoye; (II-III) at Malokuril'skoye, Reydovo, Yuzhno-Kuril'sk. Moment Tensor Solution.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.70 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.77 $M_{r\theta}$2.53 $M_{\theta\phi}$-1.70 $M_{\phi r}$3.86 NP1:ϕ_s238.00000°,δ9.00000°,λ116.00000°. NP2:ϕ_s32.00000°,δ82.00000°,λ86.00000°. $M_0$4.83000×10^{15}

JMA Event type ke. SE OFF ETOROFU .

NEIC Event type se. Error ellipse: s-maj=11.6km s-min=0.8km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=11.4km s-min=9.1km az=129.0.

(221) Kuril Islands

ISC	**XII**	**12 19 04 41.4–.24**	**48.81N–.03**	**154.52E–.03**	**84–1**	**5.2b**	**1376**	**2-156**	
BJI	XII	12 19 04 39.9	48.93N	154.57E	98	5.1b,5.1b			**¶621627825**
KRSC	XII	12 19 04 40.2–1.8	48.79N	154.79E	135–36	5.6L,5.1b			
SKHL	XII	12 19 04 40.2–.10	48.60N	155.00E	112–3	6.7,5.9b			
GFZ	XII	12 19 04 41.7–.22	49N–3.0	154E–2.0	75–2	6.6,6.5			
IDC	XII	12 19 04 41.5–.33	48.90N	154.25E	80–2	5.0,4.6b			
MOS	XII	12 19 04 41.6–1.2	48.88N	154.50E	100	5.0b,4.6b			
NEIC	XII	12 19 04 41.4–1.8	48.86N–.08	154.4E–.10	81–4	5.2b,5.0			
GCMT	XII	12 19 04 43.4–.20	48.80N–.01	154.71E–.02	75–2	5.1W,5.0			
JMA	XII	12 19 04 47.6–1.2	47N–5.0	155E–9.0	2	4.9,5.0			
BGR	XII	12 19 04 49.0–3.4	49.95N	153.46E	85	5.2b,5.0			

ISC Event type ke.

KRSC Event type se.

GFZ Error ellipse: s-maj=6.5km s-min=3.9km az=143.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC Error ellipse: s-maj=8.7km s-min=6.7km az=123.0.

MOS Error ellipse: s-maj=5.0km s-min=2.9km az=80.9.

NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.7km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112121904A. Moment Tensor Solution. s71,c101; s121,c205;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.57±.17 $M_{\theta\theta}$-1.81±.15; $M_{\phi\phi}$3.37±.14; $M_{r\theta}$-2.74±.09; $M_{\theta\phi}$-0.14±.12; $M_{\phi r}$-3.78±.08; Best double couple: NP1:ϕ_s141.00000°,δ28.00000°,λ-159.00000°. NP2:ϕ_s33.00000°,δ80.00000°,λ-64.00000°. Principal axes: T 5.6230,Plg31.0000°,Azm102.0000°; N -0.2430,Plg26.0000°,Azm208.0000° ; P -5.3900,Plg48.0000°,Azm330.0000° $M_0$5.50600×10^{16}

JMA Event type ke. FAR FIELD .

BGR Event type ke. Error ellipse: s-maj=57.8km s-min=13.3km az=9.0.

(62) Mexico-Guatemala border region

ISC	**XII**	**13 07 03 07.1–.21**	**15.49N–.03**	**92.15W–.03**	**178–1**	**5.4b**	**1310**	**0-161**	
BGR	XII	13 07 03 01.8	13.81N	92.09W	185–4	5.3b			**¶621627939**
MEX	XII	13 07 03 07.5–.85	15.44N	92.22W	178–6	5.6			
MOS	XII	13 07 03 07.5–1.1	15.59N	91.96W	188	5.4b			
NEIC	XII	13 07 03 07.2–1.1	15.57N–.07	92.03W–.08	167–1	5.7,5.5b			
PTWC	XII	13 07 03 07	15.50N	92.20W	160	5.5,5.5b			
GCG	XII	13 07 03 07.5–.94	15.46N	92.15W	162–10	5.9L,5.4			
NEIC	XII	13 07 03 08.6	15.56N	92.05W	180	5.9L,5.4			
IDC	XII	13 07 03 08.4–.43	15.65N	91.84W	184–2	5.1,4.6b			
CATAC	XII	13 07 03 08.6–.41	16N–3.0	92W–3.0	154–4	5.6,5.6			
NEIC	XII	13 07 03 08.6	15.56N	92.05W	180	5.6,5.6			
GCMT	XII	13 07 03 09.9–.10	15.54N–.01	92.17W–.01	173–0	5.7W,5.6			
GFZ	XII	13 07 03 09.5–.34	16N–3.0	92W–3.0	180–4	5.9b,5.9			
GFZ	XII	13 07 03 10.6	15.58N	91.98W	166	5.6W,5.9			
NEIC	XII	13 07 03 13.1	15.56N	92.05W	180	5.7,5.9			

ISC Event type ke.

BGR Event type ke.

MEX Event type se. Error ellipse: s-maj=5.6km s-min=6.7km az=-1.0. Presumed earthquake.

MOS Error ellipse: s-maj=8.5km s-min=4.9km az=103.5.

NEIC Event type se. Error ellipse: s-maj=14.3km s-min=9.1km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.87 $M_{\theta\theta}$-1.11 $M_{\phi\phi}$-0.76 $M_{r\theta}$1.79 $M_{\theta\phi}$0.85 $M_{\phi r}$-3.22 NP1:ϕ_s296.06000°,δ14.93000°,λ58.75000°. NP2:ϕ_s148.19000°,δ77.28000°,λ97.88000°. Principal axes: T 4.2418,Plg57.0000°,Azm68.0000°; N -0.2573,Plg8.0000°,Azm326.0000°; P -3.9845,Plg32.0000°,Azm232.0000° $M_0$4.12000×10^{17}

PTWC MEXICO-GUATEMALA BORDER REGION.

GCG Event type se. Error ellipse: s-maj=5.0km s-min=8.3km az=-1.0. Presumed earthquake.

NEIC Event type se.

IDC Error ellipse: s-maj=12.2km s-min=6.1km az=53.0.

CATAC Event type se. Error ellipse: s-maj=7.6km s-min=3.5km az=42.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.60 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-0.45 $M_{r\theta}$1.13 $M_{\theta\phi}$-0.20 $M_{\phi r}$-1.64 NP1:ϕ_s148.11571°,δ84.37490°,λ83.64708°. NP2:ϕ_s16.75538°,δ8.47770°,λ138.32724°. Principal axes: T 2.2537,Plg50.2364°,Azm51.0893°; N -0.4185,Plg6.3222°,Azm148.7410° ; P -1.8351,Plg39.0553°,Azm243.8986° $M_0$2.07628×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.88 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$0.60 $M_{r\theta}$1.42 $M_{\theta\phi}$0.62 $M_{\phi r}$-2.53 NP1:ϕ_s144.84129°,δ82.18450°,λ112.13358°. NP2:ϕ_s253.32736°,δ23.40736°,λ20.01699°. Principal axes: T 3.3480,Plg48.1651°,Azm78.3838°; N -0.2527,Plg21.9173°,Azm321.6755° ; P -3.0953,Plg33.5565°,Azm216.1968° $M_0$3.22910×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.04 $M_{\theta\theta}$-2.09 $M_{\phi\phi}$1.05 $M_{r\theta}$2.07 $M_{\theta\phi}$0.72 $M_{\phi r}$-3.51 NP1:ϕ_s143.70259°,δ83.50681°,λ112.87048°. NP2:ϕ_s248.71040°,δ23.72668°,λ16.32258°. Principal axes: T 4.7023,Plg46.6607°,Azm77.3071°; N -0.3907,Plg22.7155°,Azm320.9716° ; P -4.3116,Plg34.5674°,Azm214.2070° $M_0$4.51961×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.48 $M_{\theta\theta}$-2.10 $M_{\phi\phi}$0.62 $M_{r\theta}$1.71 $M_{\theta\phi}$1.22 $M_{\phi r}$-2.95 NP1:ϕ_s144.03021°,δ78.23564°,λ114.79897°. NP2:ϕ_s257.84079°,δ27.28760°,λ26.40571°. Principal axes: T 4.0728,Plg50.5868°,Azm81.8785°; N 0.0000,Plg24.2441°,Azm318.6486° ; P -4.0728,Plg28.9632°,Azm214.2153° $M_0$4.07283×10^{17}

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112130703A. Moment Tensor Solution. s139,c276; s159,c339;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.04 $M_{\theta\theta}$-1.92±.04; $M_{\phi\phi}$0.69±.04; $M_{r\theta}$2.04±.03; $M_{\theta\phi}$0.66±.04; $M_{\phi r}$-3.59±.03; Best double couple: NP1:ϕ_s254.00000°,δ21.00000°,λ21.00000°. NP2:ϕ_s145.00000°,δ83.00000°,λ109.00000°. Principal axes: T 4.7360,Plg49.0000°,Azm75.0000°; N -0.4990,Plg19.0000°,Azm322.0000° ; P -4.2370,Plg35.0000°,Azm218.0000° $M_0$4.48700×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.58 $M_{\phi\phi}$0.33 $M_{r\theta}$1.50 $M_{\theta\phi}$0.69 $M_{\phi r}$-2.77 NP1:ϕ_s144.84539°,δ80.08656°,λ109.51415°. NP2:ϕ_s260.75513°,δ21.80003°,λ27.61858°. Principal axes: T 3.6971,Plg51.1028°,Azm76.9416°; N -0.3534,Plg19.2113°,Azm321.3539° ; P -3.3436,Plg32.3305°,Azm218.6129° $M_0$3.53362×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$-1.70 $M_{\phi\phi}$0.76 $M_{r\theta}$2.11 $M_{\theta\phi}$0.56 $M_{\phi r}$-3.66 NP1:ϕ_s251.55000°,δ18.51000°,λ16.70000°. NP2:ϕ_s145.67000°,δ84.77000°,λ107.78000°. Principal axes: T 4.7220,Plg47.0000°,Azm74.0000°; N -0.4617,Plg18.0000°,Azm324.0000° ; P -4.2603,Plg37.0000°,Azm220.0000° $M_0$4.51000×10^{17}

(249) Luzon

ISC	**XII**	**13 09 12 30.9–.21**	**13.64N–.03**	**120.78E–.04**	**118–1**	**5.3b**	**1269**	**0-171**	
BGR	XII	13 09 12 19.8	12.14N	122.53E	106	5.2b			**¶621627985**
DJA	XII	13 09 12 27.9–.50	14N–3.0	121E–5.0	77–20	5.6b,5.4b			
MOS	XII	13 09 12 29.8–.93	13.61N	120.75E	118	5.5b,5.4b			
BJI	XII	13 09 12 29.0	13.52N	120.92E	124	5.5b,5.3b			
GFZ	XII	13 09 12 30.9–.19	14N–2.0	121E–2.0	111–1	5.7b,5.5			
GFZ	XII	13 09 12 30.9	13.66N	120.83E	99	5.4W,5.5			
IDC	XII	13 09 12 30.7–.36	13.61N	120.77E	115–2	5.4,5.0b			
GCMT	XII	13 09 12 32.6–.10	13.72N–.01	120.63E–.01	122–0	5.5W,5.0b			
NEIC	XII	13 09 12 33.4–1.5	13.62N–.07	120.76E–.09	133–3	5.3b,5.0b			
NEIC	XII	13 09 12 34.9	13.63N	120.75E	148	5.3b,5.0b			
NEIC	XII	13 09 12 39.3	13.63N	120.75E	150	5.5,5.0b			

ISC Event type ke.

BGR Event type ke.

MOS Error ellipse: s-maj=7.1km s-min=3.5km az=118.8.

GFZ Error ellipse: s-maj=5.4km s-min=3.5km az=73.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.86 $M_{r\theta}$0.49 $M_{\theta\phi}$0.59 $M_{\phi r}$-0.87 NP1:ϕ_s149.03441°,δ64.31012°,λ92.43406°. NP2:ϕ_s323.43404°,δ25.79713°,λ84.95472°. Principal axes: T 1.5865,Plg70.5905°,Azm64.2191°; N 0.0151,Plg2.1933°,Azm327.9787° ; P -1.6016,Plg19.2752°,Azm237.2113° $M_0$1.59413×10^{17}

IDC Error ellipse: s-maj=10.2km s-min=7.3km az=75.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112130912A. Moment Tensor Solution. s141,c245; s151,c302;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.02 $M_{\theta\theta}$-0.29±.02; $M_{\phi\phi}$-1.27±.03; $M_{r\theta}$0.61±.02; $M_{\theta\phi}$0.43±.02; $M_{\phi r}$-1.18±.02; Best double couple: NP1:ϕ_s343.00000°,δ24.00000°,λ97.00000°. NP2:ϕ_s155.00000°,δ66.00000°,λ87.00000°. Principal axes: T 2.0700,Plg69.0000°,Azm58.0000°; N -0.1340,Plg3.0000°,Azm156.0000° ; P -1.9330,Plg21.0000°,Azm247.0000° $M_0$2.00100×10^{17}

NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.6km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.72 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$-1.17 $M_{r\theta}$0.28 $M_{\theta\phi}$0.77 $M_{\phi r}$-1.10 NP1:ϕ_s316.49000°,δ29.60000°,λ72.52000°. NP2:ϕ_s156.40000°,δ61.89000°,λ99.69000°. Principal axes: T 2.0875,Plg71.0000°,Azm88.0000°; N -0.0849,Plg9.0000°,Azm332.0000° ; P -2.0026,Plg16.0000°,Azm239.0000° $M_0$2.05000×10^{17}

(224) Hokkaido region

ISC	**XII**	**15 13 30 14.4–.47**	**44.99N–.04**	**141.66E–.04**	**263–4**	**4.2b**	**353**	**0-156**	
MOS	XII	15 13 30 13.7–.77	44.96N	141.64E	271	4.2b			**¶635665549**
JMA	XII	15 13 30 14.0–.25	45.0N–.90	142E–2.0	272–2	4.2			
IDC	XII	15 13 30 14.3–.52	45.01N	141.61E	260–5	4.5,3.8b			
SKHL	XII	15 13 30 14.5–.40	45.00N	141.70E	274–8	5.5b,5.5			
NEIC	XII	15 13 30 14.6–1.4	44.98N–.03	141.6E–.10	263–5	4.2b,5.5			

ISC Event type ke.

JMA Event type ke. SOYA REGION .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(280) Banda Sea

ISC	**XII**	**16 02 45 42.1–.88**	**5.23S–.04**	**131.19E–.04**	**61–10**	**4.3b**	**96**	**1-151**	
IDC	XII	16 02 45 33.8–.78	4.97S	131.52E	0	4.6L,4.5			**¶621630954**
NEIC	XII	16 02 45 41.2–1.6	5.22S–.05	131.2E–.10	51–5	4.4b,4.5			
DJA	XII	16 02 45 42.8–.30	5S–2.0	131E–2.0	69–13	6.3b,6.0			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(207) Eastern New Guinea region

ISC	**XII**	**20 01 36 25.4–.36**	**5.39S–.03**	**146.83E–.04**	**246–3**	**4.9b**	**685**	**3-161**	
BJI	XII	20 01 36 19.3	5.63S	147.33E	232	5.1b,5.0b			**¶621633816**
DJA	XII	20 01 36 24.1–.30	5S–3.0	147E–2.0	232–4	6.0,5.5b			
NEIC	XII	20 01 36 25.6–1.9	5.37S–.07	146.81E–.08	239–4	4.9b,5.5b			
GFZ	XII	20 01 36 25.1–.59	5S–2.0	147E–3.0	232–6	5.5b,5.1b			
IDC	XII	20 01 36 27.0–.68	5.42S	146.81E	258–5	5.3,4.7b			
GCMT	XII	20 01 36 26.8–.30	5.38S–.02	146.82E–.02	244–2	5.2W,4.7b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112200136A. Moment Tensor Solution. s46,c50; s104,c150; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.98±.21 $M_{\theta\theta}$-5.75±.18; $M_{\phi\phi}$3.77±.20; $M_{r\theta}$-2.00±.19; $M_{\theta\phi}$-0.24±.22; $M_{\phi r}$-4.24±.18; Best double couple: NP1:ϕ_s126.00000°,δ48.00000°,λ161.00000°. NP2:ϕ_s228.00000°,δ76.00000°,λ43.00000°. Principal axes: T 7.2990,Plg40.0000°,Azm96.0000°; N -0.8780,Plg45.0000°,Azm243.0000° ; P -6.4210,Plg17.0000°,Azm351.0000° $M_0$6.86000×10^{16}

(224) Hokkaido region

ISC	**XII**	**21 02 53 15.1–.23**	**43.78N–.03**	**145.94E–.03**	**97–1**	**5.2b**	**1429**	**0-153**	
BGR	XII	21 02 53 12.6	44.25N	145.55E	97	5.3b,4.0s			**¶621635029**
BJI	XII	21 02 53 13.5	43.82N	145.81E	89	5.5b,5.4b			
MOS	XII	21 02 53 14.4–.90	43.75N	145.95E	105	5.3b,3.9s			
IDC	XII	21 02 53 15.8–.43	43.87N	145.96E	99–3	5.2,4.9b			
JMA	XII	21 02 53 15.8–.16	43.7N–.50	146.1E–.90	96–1	5.0,4.9W			
NIED	XII	21 02 53 15.8	43.73N	146.05E	96	4.9W,4.9W			
NEIC	XII	21 02 53 15.2–1.2	43.82N–.05	145.89E–.10	93–4	5.2b,4.9			
GFZ	XII	21 02 53 16.3–.41	44N–2.0	146E–2.0	99–3	5.7b,5.4b			
SKHL	XII	21 02 53 16.0–.50	43.70N	146.00E	107–3	6.5,6.0b			
GCMT	XII	21 02 53 18.2–.20	43.78N–.02	145.96E–.02	107–3	5.0W,6.0b			

ISC Event type ke.

BGR Event type ke.

MOS Event type fe. Felt (IV) at Yuzhno-Kuril'sk, Goryachiy Plyazh, Golovnino, (III) at Malokuril'skoye, Mendeleevo. Moment Tensor Solution.

JMA Event type fe. NEAR KUNASHIRI ISLAND .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.70 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-1.28 $M_{r\theta}$-1.12 $M_{\theta\phi}$0.02 $M_{\phi r}$-1.99 NP1:ϕ_s324.00000°,δ20.00000°,λ28.00000°. NP2:ϕ_s208.00000°,δ81.00000°,λ108.00000°. $M_0$2.53000×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112210253A. Moment Tensor Solution. s36,c44; s102,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.10 $M_{\theta\theta}$1.55±.10; $M_{\phi\phi}$-2.01±.11; $M_{r\theta}$-1.28±.06; $M_{\theta\phi}$0.36±.12; $M_{\phi r}$-2.44±.06; Best double couple: NP1:ϕ_s309.00000°,δ32.00000°,λ10.00000°. NP2:ϕ_s211.00000°,δ85.00000°,λ121.00000°. Principal axes: T 3.0600,Plg42.0000°,Azm151.0000°; N 0.4790,Plg31.0000°,Azm28.0000° ; P -3.5360,Plg32.0000°,Azm275.0000° $M_0$3.29800×10^{16}

(2) Southern Alaska

ISC	XII	21 22 42 14.4–.18	60.18N–.02	153.44W–.02	152–1	5.8b	2037	0-170
BGR	XII	21 22 42 00.7	59.90N	154.07W	152–0	6.3,6.0b	¶621637431	
MOS	XII	21 22 42 12.9–.79	60.25N	153.49W	149	5.8b,4.8s		
BJI	XII	21 22 42 12.0	60.08N	153.94W	146	6.0b,6.0b		
GFZ	XII	21 22 42 13.5–.52	60N–3.0	154W–2.0	126–5	6.2b,6.0		
PTWC	XII	21 22 42 13	60.20N	153.50W	112	5.7,6.0		
GFZ	XII	21 22 42 14.7	60.28N	153.56W	145	5.9W,6.0		
IPGP	XII	21 22 42 14.0	60.12N	153.21W	153	5.9W,6.0		
IDC	XII	21 22 42 15.0–.49	60.30N	153.57W	152–4	5.8,5.3b		
NEIC	XII	21 22 42 14.6–2.1	60.16N–.04	153.34W–.08	151–1	6.3L,6.0L		
NEIC	XII	21 22 42 14.5	60.18N	153.36W	149	6.3L,6.0L		
NEIC	XII	21 22 42 14.8	60.19N	153.39W	146	6.3L,6.0L		
AEIC	XII	21 22 42 15.1–2.4	60.12N–.04	153.27W–.08	151–3	6.3L,6.0L		
GCMT	XII	21 22 42 16.2–.10	60.16N	153.41W	154–0	6.0W,6.0L		
NEIC	XII	21 22 42 20.3	60.09N	153.19W	150	5.9,6.0L		

ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=8.4km s-min=3.6km az=92.4.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$-6.46 $M_{\phi\phi}$4.50 $M_{r\theta}$2.65 $M_{\theta\phi}$6.19 $M_{\phi r}$2.10 NP1: ϕ_s337.05621°,δ66.82059°,λ167.82711°. NP2:ϕ_s71.90937°,δ78.82298°,λ23.65457°. Principal axes: T 8.6546,Plg24.5440°,Azm296.5087°; N 0.8111,Plg63.9756°,Azm95.7804° ; P -9.4657,Plg8.1207°,Azm202.7727° $M_0$9.08735×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s79.00000°,δ68.00000°,λ38.00000°. NP2:ϕ_s333.00000°,δ55.00000°,λ152.00000°.
IDC Error ellipse: s-maj=8.5km s-min=6.1km az=15.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.5km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.53 $M_{\theta\theta}$-7.34 $M_{\phi\phi}$2.80 $M_{r\theta}$3.51 $M_{\theta\phi}$5.68 $M_{\phi r}$3.63 NP1:ϕ_s330.66000°,δ55.03000°,λ151.59000°. NP2:ϕ_s77.89000°,δ67.05000°,λ38.49000°. Principal axes: T 9.7720,Plg43.0000°,Azm299.0000°; N 0.3304,Plg46.0000° ,Azm104.0000°; P -10.1024,Plg7.0000°,Azm202.0000° $M_0$9.94000×10^{17}
NEIC Event type se.
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=6.6km s-min=6.0km az=175.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112212242A. Moment Tensor Solution. s163,c353; s162,c549;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.33±.01 $M_{\theta\theta}$-0.79±.01; $M_{\phi\phi}$0.46±.01; $M_{r\theta}$0.41±.01; $M_{\theta\phi}$0.72±.01; $M_{\phi r}$0.30±.01; Best double couple: NP1:ϕ_s336.00000°,δ60.00000°,λ163.00000°. NP2:ϕ_s74.00000°,δ76.00000°,λ31.00000°. Principal axes: T 1.0700,Plg32.0000°,Azm298.0000°; N 0.0910,Plg56.0000°,Azm96.0000° ; P -1.1620,Plg10.0000°,Azm202.0000° $M_0$1.11600×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58 $M_{\theta\theta}$-5.84 $M_{\phi\phi}$3.26 $M_{r\theta}$3.02 $M_{\theta\phi}$5.70 $M_{\phi r}$2.96 NP1:ϕ_s335.77000°,δ60.68000°,λ160.23000°. NP2:ϕ_s75.76000°,δ72.85000°,λ30.83000°. Principal axes: T 8.6640,Plg34.0000°,Azm299.0000°; N 0.1251,Plg55.0000°,Azm102.0000° ; P -8.7891,Plg8.0000°,Azm204.0000° $M_0$8.73000×10^{17}

(62) Mexico-Guatemala border region

ISC	XII	22 02 12 50.5–.47	15.03N–.04	92.65W–.04	90–4	4.5b	505	0-145
GCG	XII	22 02 12 49.5–.94	14.95N	92.76W	82–9	5.3L,4.4	¶621637444	
IDC	XII	22 02 12 51.0–.72	15.16N	92.44W	93–5	4.3,3.9b		
MEX	XII	22 02 12 51.3–.66	14.93N	92.75W	82–5	4.9,3.9b		
CATAC	XII	22 02 12 52.7–.23	15N–2.0	93W–2.0	58–4	5.7b,5.4		
NEIC	XII	22 02 12 52.6–1.3	15.05N–.08	92.51W–.09	103–6	4.6b,5.4		

ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(212) Bonin Islands region

ISC	XII	26 13 40 59.0–.50	28.02N–.04	141.45E–.05	69–4	4.9b	462	1-151
IDC	XII	26 13 40 58.7–.68	27.92N	141.36E	70–7	4.6,4.3b	¶621653660	
JMA	XII	26 13 40 59.4–.09	28.1N–.60	142E–3.0	65	4.9,4.9		
NEIC	XII	26 13 40 60.0–1.3	28.02N–.05	141.55E–.09	74–5	4.9b,4.9		
NIED	XII	26 13 40 59.4	28.14N	141.95E	65	4.5W,4.9		
GFZ	XII	26 13 41 01.9–.59	28N–4.0	142E–4.0	90–5	5.7b,5.2		

ISC Event type ke.
JMA Event type fe. NEAR CHICHIJIMA ISLAND .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.49 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$2.67 $M_{r\theta}$-4.81 $M_{\theta\phi}$-2.41 $M_{\phi r}$-1.87 NP1:ϕ_s3.00000°,δ46.00000°,λ-22.00000°. NP2:ϕ_s108.00000°,δ74.00000°,λ-134.00000°. $M_0$5.52000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(265) Minahassa Peninsula, Sulawesi

ISC	XII	26 15 01 30.1–.26	0.03S–.03	123.42E–.03	115–1	5.5b	1526	1-175
MOS	XII	26 15 01 28.2–.96	0.11N	123.33E	112	5.5b	¶621653664	
IDC	XII	26 15 01 29.7–.90	0.09N	123.32E	110–7	5.2,4.8b		
DJA	XII	26 15 01 30.8–.10	0N–1.0	124E–1.0	107–1	6.2,5.8b		
NEIC	XII	26 15 01 30.8–1.8	0.02S–.05	123.46E–.05	108–4	5.6b,5.8b		
GFZ	XII	26 15 01 31.8–.25	0S–2.0	124E–2.0	114–3	6.0L,5.7b		
GCMT	XII	26 15 01 31.1–.10	0.04N–.01	123.47E–.01	109–0	5.5W,5.7b		
NEIC	XII	26 15 01 31.2	0.08S	123.45E	112	5.5W,5.7b		
GFZ	XII	26 15 01 32.1	0.00S	123.44E	110	5.4W,5.7b		
NEIC	XII	26 15 01 36.5	0.08S	123.45E	110	5.4,5.7b		

ISC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=4.5km az=116.6.
IDC Error ellipse: s-maj=11.3km s-min=7.3km az=78.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=7.3km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112261501A. Moment Tensor Solution. s124,c218; s144,c289;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35±.02 $M_{\theta\theta}$-1.30±.02; $M_{\phi\phi}$-0.05±.03; $M_{r\theta}$1.02±.02; $M_{\theta\phi}$-1.03±.02; $M_{\phi r}$-0.21±.02; Best double couple: NP1: ϕ_s214.00000°,δ38.00000°,λ47.00000°. NP2:ϕ_s84.00000°,δ63.00000°,λ118.00000°. Principal axes: T 1.8650,Plg61.0000°,Azm38.0000°; N 0.2040,Plg25.0000°,Azm251.0000° ; P -2.0700,Plg14.0000°,Azm154.0000° $M_0$1.96800×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-0.13 $M_{r\theta}$0.75 $M_{\theta\phi}$-0.74 $M_{\phi r}$-0.16 NP1: ϕ_s82.64829°,δ63.78221°,λ119.37294°. NP2:ϕ_s210.77693°,δ38.57503°,λ45.11393°. Principal axes: T 1.3486,Plg59.9055°,Azm36.4120°; N 0.0789,Plg26.1059°,Azm248.6844° ; P -1.4276,Plg13.9114°,Azm151.7132° $M_0$1.38977×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.32 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.02 $M_{r\theta}$0.72 $M_{\theta\phi}$-0.24 $M_{\phi r}$-0.09 NP1:ϕ_s252.31000°,δ31.82000°,λ76.27000°. NP2:ϕ_s88.35000°,δ59.19000°,λ98.38000°. Principal axes: T 1.5131,Plg74.0000°,Azm21.0000°; N 0.0377,Plg7.0000°,Azm264.0000° ; P -1.5508,Plg14.0000°,Azm172.0000° $M_0$1.53000×10^{17}

(153) South Sandwich Islands region

ISC	XII	26 17 59 33.4–.32	58.74S–.06	26.64W–.06	100	5.0b	216	7-153
GFZ	XII	26 17 59 24.2–.28	58S–5.0	26W–6.0	10	5.8b,5.3	¶621883766	
NEIC	XII	26 17 59 36.2–1.4	58.84S–.10	26.6W–.20	124–5	5.0b,5.3		
IDC	XII	26 17 59 38.0–1.3	58.79S	26.48W	138–10	4.9,4.5b		
GCMT	XII	26 17 59 38.2–.40	59.10S–.03	26.11W–.05	148–5	5.0W,4.5b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112261759A. Moment Tensor Solution. s12,c13; s71,c87; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.00±.23 $M_{\theta\theta}$-1.99±.30; $M_{\phi\phi}$1.99±.26; $M_{r\theta}$2.78±.17; $M_{\theta\phi}$2.84±.20; $M_{\phi r}$0.67±.16; Best double couple: NP1:ϕ_s343.00000°,δ51.00000°,λ-179.00000°. NP2:ϕ_s253.00000°,δ89.00000°,λ-39.00000°. Principal axes: T 4.3960,Plg26.0000°,Azm305.0000°; N 0.1900,Plg51.0000°,Azm72.0000° ; P -4.5880,Plg27.0000°,Azm201.0000° $M_0$4.49200×10^{16}

(224) Hokkaido region

ISC	XII	26 19 40 05.5–.53	41.95N–.03	142.36E–.03	68–5	4.6b	391	0-152
BGR	XII	26 19 39 58.2	41.93N	144.77E	33	4.5b	¶621653682	
JMA	XII	26 19 40 05.0–.23	42.0N–.90	142.3E–.90	71–2	4.3,4.2		
NEIC	XII	26 19 40 05.1–1.8	41.94N–.06	142.31E–.06	66–5	4.6b,4.2		
GFZ	XII	26 19 40 06.5–.34	42N–4.0	142E–6.0	70	6.3b,6.0		
IDC	XII	26 19 40 06.6–1.3	41.98N	142.33E	72–10	4.4,4.1b		

ISC Event type ke.
BGR Event type ke.
JMA Event type fe. S OFF URAKAWA .
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=12.7km s-min=8.8km az=118.0.

(60) Oaxaca

ISC	XII	28 15 12 27.5–.68	16.34N–.04	94.10W–.03	107–6	4.5b	230	1-90
NEIC	XII	28 15 12 27.8–2.3	16.32N–.03	94.13W–.04	106–6	4.6,4.4b	¶621717396	
IDC	XII	28 15 12 27.6–1.6	16.41N	94.00W	98–12	3.9,3.6b		
CATAC	XII	28 15 12 28.7–.40	16N–3.0	94W–2.0	97–5	5.7b,5.4b		
GCG	XII	28 15 12 29.0–2.4	16.45N	93.99W	105–30	4.2,5.4b		
MEX	XII	28 15 12 29.3–.48	16.35N	94.11W	103–4	4.6,5.4b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.8km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=17.5km az=178.0.
CATAC Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=29.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=16.0km s-min=42.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=2.8km s-min=2.0km az=-1.0. Presumed earthquake.

(370) Crete

ISC	XII	29 05 08 09.3–.29	34.89N–.03	25.23E–.02	65–2	5.7b	2734	0-152
AFAD	XII	29 05 07 57.0	34.12N	24.62E	15–999	5.5W	¶621656494	
BGR	XII	29 05 08 02.3–.71	34.90N	26.04E	10	5.4b		
PTWC	XII	29 05 08 04	34.50N	25.10E	30	5.8		
BEO	XII	29 05 08 05.6–.50	34.35N	24.38E	50	5.5L		
BJI	XII	29 05 08 05.0	34.68N	24.77E	68	5.9b,5.8b		
NAO	XII	29 05 08 05.4	34.85N	25.09E	33	5.5b,5.8b		
ISK	XII	29 05 08 07.9	34.75N	25.14E	87–0	5.7L,5.8b		
MOS	XII	29 05 08 08.1–.95	34.84N	25.11E	71	6.1b,5.8b		
GFZ	XII	29 05 08 08.6	34.81N	25.17E	54	5.5W,5.8b		
ISC-P	XII	29 05 08 09	34.83N	25.14E	67–0	6.2,5.8b		
GFZ	XII	29 05 08 09.5–.09	35N–1.0	25E–1.0	58	6.0b,5.8L		
ATH	XII	29 05 08 09.8	34.79N	25.13E	67–1	5.7L,5.8L		
MED_R	XII	29 05 08 09.0	34.85N	25.09E	49	5.7W,5.8L		
GCMT	XII	29 05 08 09.9–.10	34.65N–.01	25.23E–.01	54–0	5.7W,5.8L		
MCSM	XII	29 05 08 09.5–.40	35N–2.0	25E–2.0	67–3	6.0,5.9b		
NEIC	XII	29 05 08 09.9–1.6	34.83N–.06	25.14E–.05	65–3	5.7b,5.7		
IDC	XII	29 05 08 09.4–.80	34.94N	25.18E	63–6	5.6,5.4b		
THE	XII	29 05 08 09.5	35N–3.0	25E–1.0	74–2	5.7,5.7		
NEIC	XII	29 05 08 10	34.84N	25.15E	66	5.7,5.7		
NEIC	XII	29 05 08 10	34.84N	25.15E	66	5.7,5.7		
GII	XII	29 05 08 10.6–.00	34.51N–.04	25.74E–.01	0	5.6,5.7		
PDG	XII	29 05 08 10.7–.61	34.80N	25.17E	68–6	5.8,5.7L		
NEIC	XII	29 05 08 17.4	34.84N	25.15E	46	5.7,5.7L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
BGR Event type ke. Error ellipse: s-maj=53.4km s-min=12.2km az=49.0.
BEO Event type ke.
NAO Event type se. Presumed earthquake.
ISK Event type ke.
MOS Error ellipse: s-maj=4.5km s-min=2.2km az=86.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.78 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-1.12 $M_{r\theta}$1.64 $M_{\theta\phi}$-1.76 $M_{\phi r}$-0.25 NP1: ϕ_s176.00392°,δ51.50086°,λ19.83803°. NP2:ϕ_s73.34635°,δ74.59793°,λ139.78239°. Principal axes: T 2.7287,Plg38.9010°,Azm27.2788°; N -0.2491,Plg47.4065°,Azm235.9094° ; P -2.4796,Plg14.6181°,Azm129.4282° $M_0$2.61303×10^{17}
ISC-P Moment Tensor Solution. s41 Moment tensor: Scale 10^{18}Nm; M_{rr}0.61±.14 $M_{\theta\theta}$-0.01±.17; $M_{\phi\phi}$-0.59±.17; $M_{r\theta}$0.22±.18; $M_{\theta\phi}$-0.30±.25; $M_{\phi r}$0.01±.13; NP1:ϕ_s12.90000°,δ33.10000°,λ116.00000°. NP2:ϕ_s162.60000°,δ60.60000°,λ74.10000°. $M_0$2.85000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/12/29 05:08:32, This location: 2021/12/29 05:59:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17} Nm; M_{rr}1.31±.13 $M_{\theta\theta}$0.86±.09; $M_{\phi\phi}$0.00±.08; $M_{r\theta}$1.83±.07; $M_{\theta\phi}$-3.52±.09; $M_{\phi r}$-0.36±.07; NP1: ϕ_s172.00000°,δ63.00000°,λ18.00000°. NP2:ϕ_s74.00000°,δ74.00000°,λ152.00000°. Principal axes: T 4.2200,Plg31.0000°,Azm31.0000°; N 0.3600,Plg58.0000°,Azm227.0000° ; P -4.5800,Plg7.0000°,Azm125.0000° $M_0$4.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112290508A. Moment Tensor Solution. s140,c276; s159,c329;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.04 $M_{\theta\theta}$0.92±.04; $M_{\phi\phi}$-2.02±.04; $M_{r\theta}$2.51±.05; $M_{\theta\phi}$-3.51±.04; $M_{\phi r}$-0.70±.04; Best double couple: NP1: ϕ_s174.00000°,δ59.00000°,λ19.00000°. NP2:ϕ_s74.00000°,δ74.00000°,λ148.00000°. Principal axes: T 4.8990,Plg34.0000°,Azm30.0000°; N -0.4080,Plg55.0000°,Azm231.0000° ; P -4.4930,Plg10.0000°,Azm127.0000° $M_0$4.69600×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.6km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.36 $M_{\theta\theta}$-2.98 $M_{r\theta}$2.08 $M_{\theta\phi}$-2.17 $M_{\phi r}$-0.91 NP1:ϕ_s163.35000°,δ65.01000°,λ29.61000°. NP2:ϕ_s59.85000°,δ63.39000°,λ151.81000°. Principal axes: T 4.2608,Plg38.0000°,Azm22.0000°; N -0.4121,Plg52.0000° ,Azm200.0000°; P -3.8487,Plg1.0000°,Azm291.0000° $M_0$4.07000×10^{17}
IDC Error ellipse: s-maj=7.7km s-min=7.3km az=131.0.
NEIC Event type se.
NEIC Event type se.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
PDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=90.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.25 $M_{\theta\theta}$1.22 $M_{\phi\phi}$-2.46 $M_{r\theta}$1.93 $M_{\theta\phi}$-3.17 $M_{\phi r}$-0.53 NP1:ϕ_s169.70000°,δ63.09000°,λ20.53000°. NP2:ϕ_s70.08000°,δ71.78000°,λ151.54000°. Principal axes: T 4.2895,Plg33.0000°,Azm28.0000°; N 0.0457,Plg57.0000°,Azm220.0000° ; P -4.3352,Plg6.0000°,Azm121.0000° $M_0$4.31000×10^{17}

(370) Crete

ISC	XII	29 16 47 08.6–.36	34.79N–.03	25.19E–.03	68–2	5.2b	1618	0-128
BGR	XII	29 16 46 59.2–.65	34.38N	25.57E	10	5.1b	¶621657127	
BJI	XII	29 16 47 03.8	34.56N	24.76E	67	5.3b,5.2b		

BEO	XII	29 16 47 06.9–.40	34.46N	24.40E	50	5.1L,5.2b
MCSM	XII	29 16 47 06.6–.60	35N–6.0	25E–4.0	66–5	5.3b,5.3
PDG	XII	29 16 47 06.2–.54	34.70N	25.14E	106–2	5.1L,5.3
MOS	XII	29 16 47 07.4–.96	34.86N	25.11E	69	5.6b,5.3
ISK	XII	29 16 47 07.0	34.71N	25.15E	84–0	5.0L,5.3
ATH	XII	29 16 47 08.8	34.63N	25.17E	52–4	5.3L,5.3
THE	XII	29 16 47 08.8	35N–3.0	25E–2.0	78–2	5.2,5.2
NEIC	XII	29 16 47 08.1–1.9	34.71N–.06	25.12E–.07	65–4	5.2b,5.0
GFZ	XII	29 16 47 08.1–.21	35N–2.0	25E–1.0	56–2	5.5b,5.3L
NAO	XII	29 16 47 08.2	35.08N	24.47E	33	4.6b,5.3L
IDC	XII	29 16 47 08.3–1.3	34.83N	25.13E	63–10	5.1,4.8b
GFZ	XII	29 16 47 09.2	34.83N	25.13E	56	4.9W,4.8b
MED_R	XII	29 16 47 09.0	34.87N	25.12E	47	5.0W,4.8b
GII	XII	29 16 47 10.7–.00	34.541N–.00	25.779E–.00	0	5.0,4.8b
GCMT	XII	29 16 47 10.6–.30	34.72N–.02	24.97E–.02	85–2	5.0W,4.8b
AFAD	XII	29 16 47 14.0	34.90N	25.57E	92–52	5.1W,4.8b

ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=45.6km s-min=8.9km az=57.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=90.0.
MOS Error ellipse: s-maj=4.8km s-min=2.5km az=83.6.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/29 16:46:18, This location: 2022/07/08 07:28:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.7km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=12.0km s-min=9.4km az=146.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}0.93 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-1.46 $M_{r\theta}$1.31 $M_{\theta\phi}$-2.35 $M_{\phi r}$-0.54 NP1: ϕ_s173.73543°,δ63.41922°,λ22.31226°. NP2:ϕ_s73.33023°,δ70.15198°,λ151.59386°.
Principal axes: T 3.0170,Plg33.8129°,Azm31.7983°; N 0.0179,Plg55.8271°,Azm221.2104° ; P -3.0349,Plg4.3771°,Azm124.7369° $M_0$3.02596×10^{16}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}1.71±.34 $M_{\theta\theta}$0.51±.20; $M_{\phi\phi}$0.00±.20; $M_{r\theta}$1.28±.11; $M_{\theta\phi}$-3.70±.20; $M_{\phi r}$-0.42±.12; NP1: ϕ_s174.00000°,δ66.00000°,λ21.00000°. NP2:ϕ_s75.00000°,δ71.00000°,λ154.00000°.
Principal axes: T 3.8700,Plg31.0000°,Azm33.0000°; N 0.9600,Plg59.0000°,Azm221.0000° ; P -4.8300,Plg4.0000°,Azm125.0000° $M_0$4.35000×10^{16}
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112291647A. Moment Tensor Solution. s47,c62; s84,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.00±.14 $M_{\theta\theta}$1.37±.13; $M_{\phi\phi}$-3.37±.14; $M_{r\theta}$1.67±.11; $M_{\theta\phi}$-3.46±.13; $M_{\phi r}$-0.07±.14; Best double couple: NP1:ϕ_s168.00000°,δ62.00000° ,λ22.00000°. NP2:ϕ_s67.00000°,δ71.00000°,λ150.00000°. Principal axes:
T 4.2400,Plg35.0000°,Azm25.0000°; N 1.0270,Plg55.0000°,Azm217.0000° ; P -5.2670,Plg6.0000°,Azm119.0000° $M_0$4.75300×10^{16}
AFAD Event type se. Presumed earthquake.

(280) Banda Sea

ISC	**XII**	**29 18 25 53.2–.20**	**7.58S–.02**	**127.58E–.02**	**178–1**	**6.8b**	**3696**	**4-178**
NEIC	XII	29 18 25 50.1	7.58S	127.59E	144	6.8b		**¶621657133**
BJI	XII	29 18 25 51.5	7.75S	127.70E	200	7.3b,6.2b		
NEIC	XII	29 18 25 52.0–2.1	7.55S–.06	127.58E–.05	165–3	7.3,6.8b		
IPGP	XII	29 18 25 51.0	7.59S	127.58E	163	7.4W,6.8b		
MOS	XII	29 18 25 51.3–.95	7.47S	127.67E	173	6.9s,6.9b		
PTWC	XII	29 18 25 52	7.80S	127.60E	169	7.3,6.9b		
NEIC	XII	29 18 25 52.2	7.60S	127.56E	169	7.3,6.9b		
GFZ	XII	29 18 25 53.5	7.57S	127.56E	163	7.3W,6.9b		
IDC	XII	29 18 25 53.5–.72	7.54S	127.59E	177–6	6.9s,6.4		
GFZ	XII	29 18 25 53.1–.25	8S–2.0	128E–2.0	168–2	7.6,7.4		
DJA	XII	29 18 25 53.2–.10	8S–1.0	128E–1.0	185–1	7.5,7.4		
GCMT	XII	29 18 26 00.0–.10	7.69S	127.56E	166–0	7.3W,7.4		
NEIC	XII	29 18 26 11.3	7.58S	127.69E	170	7.3,7.4		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.4km az=164.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-0.40 $M_{r\theta}$0.20 $M_{\theta\phi}$0.44 $M_{\phi r}$0.24 NP1:ϕ_s312.31000°,δ44.97000°,λ106.78000°. NP2:ϕ_s109.22000°,δ47.41000° ,λ73.91000°. Principal axes: T 1.3259,Plg78.0000°,Azm306.0000°; N -0.1955,Plg12.0000° ,Azm120.0000°; P -1.1305,Plg1.0000°,Azm211.0000° $M_0$1.24000×10^{20}
IPGP Moment Tensor Solution. NP1:ϕ_s290.00000°,δ45.00000°,λ118.00000°. NP2:ϕ_s73.00000° ,δ52.00000°,λ65.00000°.
MOS Error ellipse: s-maj=7.1km s-min=4.4km az=115.8.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{20}Nm; M_{rr}0.85 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$0.02 $M_{r\theta}$0.23 $M_{\theta\phi}$0.23 $M_{\phi r}$0.43 NP1: ϕ_s79.85801°,δ54.45465°,λ58.77334°. NP2:ϕ_s306.05963°,δ45.91094°,λ125.96424°.
Principal axes: T 1.0776,Plg64.5636°,Azm291.2648°; N -0.1394,Plg24.9495°,Azm99.2728° ; P -0.9382,Plg4.6411°,Azm191.4373° $M_0$1.01514×10^{20}
IDC Error ellipse: s-maj=8.4km s-min=6.0km az=82.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112291825A. Moment Tensor Solution.
s170,c470; s170,c918;Duration: 11ŝ2 Moment tensor: Scale 10^{20}Nm; M_{rr}1.03±.00 $M_{\theta\theta}$-1.06±.00; $M_{\phi\phi}$0.02±.00; $M_{r\theta}$0.26±.00; $M_{\theta\phi}$0.22±.00; $M_{\phi r}$0.50±.00; Best double couple: NP1:ϕ_s303.00000°,δ45.00000°,λ124.00000°. NP2:ϕ_s78.00000°,δ54.00000°,λ60.00000°.
Principal axes: T 1.2810,Plg66.0000°,Azm289.0000°; N -0.1730,Plg24.0000°,Azm97.0000° ; P -1.1160,Plg5.0000°,Azm189.0000° $M_0$1.19900×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 22ŝ0 Moment tensor: Scale 10^{19}Nm; M_{rr}8.55 $M_{\theta\theta}$-7.51 $M_{\phi\phi}$-1.04 $M_{r\theta}$2.22 $M_{\theta\phi}$2.10 $M_{\phi r}$4.43 NP1:ϕ_s307.18000°,δ46.20000° ,λ123.42000°. NP2:ϕ_s83.55000°,δ52.96000°,λ60.13000°. Principal axes:
T 10.7270,Plg66.0000°,Azm293.0000°; N -2.5352,Plg23.0000°,Azm103.0000° ; P -8.1918,Plg4.0000°,Azm194.0000° $M_0$9.71000×10^{19}

(280) Banda Sea

ISC	**XII**	**29 19 21 11.9–.43**	**7.65S–.03**	**127.62E–.03**	**165–4**	**4.9b**	**616**	**3-158**
NEIC	XII	29 19 21 12.6–1.5	7.59S–.07	127.62E–.05	164–4	4.9b		**¶621657149**
IDC	XII	29 19 21 12.0–.67	7.54S	127.69E	163–5	5.4s,4.8		
GFZ	XII	29 19 21 13.3–.30	8S–3.0	128E–3.0	172–3	4.9b,4.9		
DJA	XII	29 19 21 13.0–.10	8S–1.0	128E–1.0	168–2	6.6,6.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(280) Banda Sea

ISC	**XII**	**29 19 53 01.9–.28**	**7.63S–.04**	**127.80E–.04**	**150**	**4.6b**	**289**	**3-151**
IDC	XII	29 19 53 03.8–1.6	7.61S	127.76E	164–14	4.6,4.1b		**¶621657254**
GFZ	XII	29 19 53 04.8–.29	8S–3.0	128E–3.0	172–3	5.8b,5.4		
NEIC	XII	29 19 53 04.4–1.3	7.65S–.07	127.81E–.06	177–6	4.6b,5.4		
DJA	XII	29 19 53 04.7–.20	8S–2.0	128E–2.0	153–9	5.7b,5.3		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(280) Banda Sea

ISC	**XII**	**29 20 32 53.0–.45**	**7.60S–.03**	**127.74E–.03**	**170–4**	**4.9b**	**576**	**3-155**
NEIC	XII	29 20 32 52.5–1.4	7.56S–.06	127.76E–.05	158–5	5.0b		**¶621657255**
IDC	XII	29 20 32 52.5–.89	7.51S	127.71E	164–7	4.8,4.3b		
GFZ	XII	29 20 32 54.6–.27	8S–2.0	128E–3.0	177–3	5.5b,4.9		
DJA	XII	29 20 32 54.4–.20	8S–2.0	128E–1.0	180–2	5.6b,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	**XII**	**30 00 41 58.7–.40**	**35.55N–.03**	**140.17E–.04**	**63–3**	**4.6b**	**336**	**0-148**
MOS	XII	30 00 41 55.1–1.1	35.57N	140.30E	48	4.8b		**¶621657277**
NEIC	XII	30 00 41 58.5–1.4	35.60N–.05	140.21E–.08	57–2	4.6b		
NIED	XII	30 00 41 59.0	35.64N	140.12E	71	4.3W		
JMA	XII	30 00 41 59.0–.16	35.6N–.40	140.1E–.60	71–1	4.2,4.2		
IDC	XII	30 00 41 59.3–1.2	35.53N	140.09E	67–10	4.3,4.0b		
GFZ	XII	30 00 41 60.0–.40	36N–4.0	140E–6.0	69	7.3,7.2		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.45 $M_{\theta\theta}$0.74 $M_{\phi\phi}$-0.29 $M_{r\theta}$0.04 $M_{\theta\phi}$1.79 $M_{\phi r}$3.10 NP1:ϕ_s92.00000°,δ32.00000°,λ-7.00000°. NP2:ϕ_s188.00000° ,δ86.00000°,λ-121.00000°. $M_0$3.62000×10^{15}
JMA Event type fe. CENTRAL CHIBA PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(12) Alaska Peninsula

ISC	**XII**	**30 13 24 35.2–.43**	**57.30N–.04**	**155.00W–.03**	**63–3**	**5.3b**	**1090**	**0-162**
BJI	XII	30 13 24 32.6	57.40N	155.10W	68	5.4b,5.2b		**¶621657524**
MOS	XII	30 13 24 33.2–.89	57.34N	155.10W	59	5.5b,4.7s		
NEIC	XII	30 13 24 34.9–2.9	57.26N–.05	154.93W–.08	57–1	5.3b,5.1L		
GFZ	XII	30 13 24 35.2–.16	57N–3.0	155W–2.0	53	6.4,6.4		
IDC	XII	30 13 24 35.2–1.4	57.38N	155.22W	59–12	5.2,4.9b		
NEIC	XII	30 13 24 35.4	57.29N	155.02W	61	5.2,4.9b		
NEIC	XII	30 13 24 35.3	57.27N	154.95W	61	5.2,4.9b		
AEIC	XII	30 13 24 36.7–2.9	57.26N–.05	155.00W–.08	59–4	5.2,4.9b		
NEIC	XII	30 13 24 36.9	57.19N	155.21W	60	5.0,4.9b		
GCMT	XII	30 13 24 37.0–.40	57.32N–.03	155.22W–.04	59–2	5.1W,4.9b		
BGR	XII	30 13 24 39.7	58.43N	155.85W	33	5.4b,4.7s		

ISC Event type ke.
MOS Error ellipse: s-maj=9.1km s-min=4.1km az=92.4.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=144.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.38 $M_{\theta\theta}$1.00 $M_{\phi\phi}$1.39 $M_{r\theta}$0.75 $M_{\theta\phi}$1.70 $M_{\phi r}$0.12 NP1:ϕ_s28.24000°,δ40.26000°,λ-110.42000°. NP2:ϕ_s234.25000°,δ52.73000° ,λ-73.54000°. Principal axes: T 2.9682,Plg6.0000°,Azm313.0000°; N -0.4084,Plg13.0000° ,Azm44.0000°; P -2.5598,Plg75.0000°,Azm197.0000° $M_0$2.79000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=11.8km s-min=8.1km az=9.0.
NEIC Event type se.
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.3km az=143.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ6 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.70 $M_{\theta\theta}$1.82 $M_{\phi\phi}$0.87 $M_{r\theta}$0.50 $M_{\theta\phi}$2.61 $M_{\phi r}$0.90 NP1:ϕ_s64.07000°,δ38.60000° ,λ-69.52000°. NP2:ϕ_s218.53000°,δ54.23000°,λ-105.60000°. Principal axes:
T 4.1354,Plg8.0000°,Azm320.0000°; N -1.2202,Plg13.0000°,Azm228.0000° ; P -2.9152,Plg75.0000°,Azm81.0000° $M_0$3.68000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112301324A. Moment Tensor Solution. s31,c38; s77,c119; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.89±.40 $M_{\theta\theta}$2.81±.27; $M_{\phi\phi}$2.08±.24; $M_{r\theta}$0.24±.22; $M_{\theta\phi}$2.74±.12; $M_{\phi r}$1.55±.15; Best double couple: NP1:ϕ_s60.00000°,δ39.00000° ,λ-72.00000°. NP2:ϕ_s218.00000°,δ53.00000°,λ-104.00000°. Principal axes:
T 5.3530,Plg7.0000°,Azm318.0000°; N -0.1180,Plg11.0000°,Azm226.0000° ; P -5.2350,Plg77.0000°,Azm78.0000° $M_0$5.29400×10^{16}
BGR Event type ke.

(192) New Britain region

ISC	**XII**	**30 20 30 24.4–.33**	**6.00S–.05**	**148.11E–.05**	**73**	**4.8b**	**225**	**4-153**
GFZ	XII	30 20 30 23.8–.34	6S–5.0	148E–4.0	70	4.8b,4.8		**¶621657637**
NEIC	XII	30 20 30 24.9–1.9	6.01S–.08	148.07E–.04	73–7	4.8b,4.8		
IDC	XII	30 20 30 24.7–.94	6.01S	147.85E	71–7	4.2,3.9b		
DJA	XII	30 20 30 29.8–.50	6S–4.0	148E–4.0	130–5	6.5b,6.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(265) Minahassa Peninsula, Sulawesi

ISC	**XII**	**31 05 53 41.7–.44**	**0.01N–.03**	**120.36E–.03**	**111–3**	**5.0b**	**745**	**0-162**
BJI	XII	31 05 53 40.6	0.00N	120.40E	108	5.1b,5.1b		**¶621657658**
DJA	XII	31 05 53 41.5–.10	0N–1.0	120E–1.0	95–1	5.7b,5.4b		
MOS	XII	31 05 53 41.8–.75	0.02N	120.43E	129	4.8b,5.4b		
NEIC	XII	31 05 53 42.2–2.1	0.05N–.05	120.43E–.06	107–5	5.2b,5.4b		
IDC	XII	31 05 53 42.9–1.0	0.03S	120.41E	122–9	4.9,4.5b		
GFZ	XII	31 05 53 42.4–.25	0N–2.0	120E–2.0	108–3	5.5b,5.3b		
NEIC	XII	31 05 53 42.2	0.04N	120.42E	107	5.5b,5.3b		
NEIC	XII	31 05 53 42.4	0.16S	120.52E	130	5.0,5.3b		
GCMT	XII	31 05 53 42.1–.20	0.10N–.02	120.41E–.02	108–3	5.0W,5.3b		
GFZ	XII	31 05 53 42.4	0.01S	120.42E	109	4.9W,5.3b		

ISC Event type se.
MOS Error ellipse: s-maj=9.5km s-min=5.0km az=119.5.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.8km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.5km s-min=7.2km az=81.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ5 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.58 $M_{\theta\theta}$3.30 $M_{\phi\phi}$-2.72 $M_{r\theta}$0.18 $M_{\theta\phi}$1.40 $M_{\phi r}$-2.06 NP1:ϕ_s298.38000°,δ66.28000° ,λ-18.94000°. NP2:ϕ_s36.24000°,δ72.72000°,λ-155.08000°. Principal axes:
T 3.6310,Plg4.0000°,Azm166.0000°; N 0.5658,Plg60.0000°,Azm69.0000° ; P -4.1968,Plg30.0000°,Azm259.0000° $M_0$3.94000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112310553A. Moment Tensor Solution. s38,c42; s101,c147; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.12±.11 $M_{\theta\theta}$1.77±.11; $M_{\phi\phi}$-1.89±.13; $M_{r\theta}$-0.85±.06; $M_{\theta\phi}$1.44±.10; $M_{\phi r}$-2.32±.07; Best double couple: NP1:ϕ_s295.00000°,δ43.00000° ,λ1.00000°. NP2:ϕ_s204.00000°,δ89.00000°,λ133.00000°. Principal axes:
T 3.2550,Plg32.0000°,Azm149.0000°; N 0.2730,Plg43.0000°,Azm23.0000° ; P -3.5240,Plg30.0000°,Azm260.0000° $M_0$3.38900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}0.17 $M_{\theta\theta}$1.08 $M_{\phi\phi}$-1.25 $M_{r\theta}$-0.65 $M_{\theta\phi}$1.14 $M_{\phi r}$-1.69 NP1: ϕ_s293.57963°,δ41.79414°,λ3.59488°. NP2:ϕ_s200.89792°,δ87.60504°,λ131.73808°.
Principal axes: T 2.3942,Plg33.8298°,Azm145.4171°; N 0.0826,Plg41.6934°,Azm18.7628° ; P -2.4768,Plg29.8434°,Azm258.0297° $M_0$2.43655×10^{16}

MAJOR DEEP FOCUS EARTHQUAKES
h>300km,M>=5

(280) Banda Sea

ISC	**VII**	**01 02 20 55.0–.50**	**6.31S–.05**	**128.17E–.07**	**353**	**3.7b**	**59**	**3-152**
IDC	VII	01 02 20 54.8–1.0	6.30S	128.21E	347–11	4.3,3.5b		**¶620927653**
NEIC	VII	01 02 20 55.8–1.2	6.31S–.08	128.08E–.04	349–10	4.2b,3.5b		
DJA	VII	01 02 20 56.7–.30	6S–3.0	128E–4.0	345–5	5.5b,5.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region

ISC	**VII**	**02 20 14 37.2–.16**	**21.78S–.03**	**179.32W–.03**	**604–1**	**5.7b**	**2725**	**5-175**
BGR	VII	02 20 13 30.2	23.12S	177.95W	33	5.7b		**¶621112191**
BJI	VII	02 20 14 35.7	21.85S	179.15W	600	6.0b,6.0b		
MOS	VII	02 20 14 37.0–1.0	21.74S	179.45W	600	5.8b,6.0b		
NEIC	VII	02 20 14 37.7–1.6	21.81S–.08	179.42W–.08	600–2	6.1,5.7b		
PTWC	VII	02 20 14 37	21.70S	179.30W	619	5.8,5.7b		

GFZ VII 02 20 14 37.8–.08 22S–2.0 179W–1.0 595–0 6.2b,5.9
NEIC VII 02 20 14 37.7 21.84S 179.37W 602 6.2b,5.9
IDC VII 02 20 14 37.9–.33 21.75S 179.50W 599–2 6.0,5.1b
NOU VII 02 20 14 37.5 21.84S 179.42W 595 5.7,5.1b
IPGP VII 02 20 14 38.0 21.83S 179.36W 606 6.1W,5.1b
GFZ VII 02 20 14 38.2 21.80S 179.48W 600 6.1W,5.1b
NEIC VII 02 20 14 38.1 21.83S 179.39W 603 6.1W,5.1b
GCMT VII 02 20 14 41.3–.10 21.88S–.01 179.39W–.01 607–0 6.1W,5.1b
NEIC VII 02 20 14 42.1 21.84S 179.48W 600 6.1,5.1b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=8.3km s-min=6.8km az=115.4.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=11.2km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.18 $M_{\theta\theta}$0.08 $M_{\phi\phi}$0.10 $M_{r\theta}$-1.03 $M_{\theta\phi}$-0.12 $M_{\phi r}$-1.62 NP1:ϕ_s156.55000°,δ2.16000°,λ-145.65000°. NP2:ϕ_s32.22000°,δ88.78000°,λ-88.22000°. Principal axes: T 1.8214,Plg44.0000°,Azm120.0000°; N 0.1966,Plg2.0000°,Azm212.0000°; P -2.0180,Plg46.0000°,Azm304.0000° $M_0$1.93000×10^{18}
PTWC FIJI REGION.
GFZ Error ellipse: s-maj=3.4km s-min=3.0km az=171.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
IDC Error ellipse: s-maj=7.2km s-min=6.5km az=175.0.
NOU Fiji Islands Region.
IPGP Moment Tensor Solution. NP1:ϕ_s129.00000°,δ7.00000°,λ-174.00000°. NP2:ϕ_s33.00000°,δ89.00000°,λ-83.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$0.34 $M_{r\theta}$-0.78 $M_{\theta\phi}$-0.09 $M_{\phi r}$-1.28 NP1:ϕ_s130.53569°,δ11.50621°,λ-170.28331°. NP2:ϕ_s31.01066°,δ88.07068°,λ-78.65454°. Principal axes: T 1.5381,Plg41.9969°,Azm110.2227°; N -0.0042,Plg11.3389°,Azm210.6236°; P -1.5338,Plg45.7829°,Azm312.5165° $M_0$1.53596×10^{18}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202107022014A. Moment Tensor Solution. s159,c350; s131,c166;Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08±.01 $M_{\theta\theta}$-0.37±.01; $M_{\phi\phi}$0.28±.01; $M_{r\theta}$-0.96±.01; $M_{\theta\phi}$-0.19±.01; $M_{\phi r}$-1.48±.01; Best double couple: NP1:ϕ_s117.00000°,δ12.00000°,λ174.00000°. NP2:ϕ_s213.00000°,δ89.00000°,λ78.00000°. Principal axes: T 1.8050,Plg45.0000°,Azm111.0000°; N -0.0030,Plg12.0000°,Azm213.0000°; P -1.8020,Plg42.0000°,Azm315.0000° $M_0$1.80400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$0.13 $M_{r\theta}$-0.88 $M_{\theta\phi}$-0.21 $M_{\phi r}$-1.34 NP1:ϕ_s119.94000°,δ5.97000°,λ177.61000°. NP2:ϕ_s212.32000°,δ89.75000°,λ84.03000°. Principal axes: T 1.5119,Plg45.0000°,Azm116.0000°; N 0.1936,Plg6.0000°,Azm212.0000°; P -1.7055,Plg44.0000°,Azm308.0000° $M_0$1.62000×10^{18}

(262) Celebes Sea

ISC	**VII**	**04 01 27 35.7–.68**	**5.82S–.09**	**125.1E–.10**	**550**		**22**	**4-106**
IDC	VII	04 01 25 37.8–44	2.10N	122.55E	0	5.2s,4.2b		**¶622499381**
NEIC	VII	04 01 27 36.4–1.3	5.83S–.05	125.2E–.20	556–11	4.9b,4.2b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(179) South of Kermadec Islands

ISC	**VII**	**04 17 48 27.3–1.8**	**34.6S–.10**	**179.8W–.20**	**350**	**3.3b**	**95**	**3-148**
IDC	VII	04 17 47 53.6–2.2	32.67S	179.50W	0	4.0b,4.0		**¶620927891**
WEL	VII	04 17 48 26.6–1.2	34S–6.0	179E–13	10	5.1b,4.5		

ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

(171) South of Fiji Islands

ISC	**VII**	**05 18 47 23.3–.37**	**24.09S–.04**	**178.87E–.04**	**550–3**	**4.9b**	**794**	**6-169**
BGR	VII	05 18 46 21.6	25.14S	179.87E	33	4.9b		**¶620734229**
NEIC	VII	05 18 47 23.7–1.9	24.13S–.09	178.8E–.10	549–5	4.9b		
GFZ	VII	05 18 47 23.3–.17	24S–4.0	179E–3.0	538	4.9,4.9b		
NOU	VII	05 18 47 23.4	24.12S	178.89E	553	5.0b,4.9b		
IDC	VII	05 18 47 23.9–.90	24.06S	178.70E	546–8	4.9,4.0b		
GCMT	VII	05 18 47 27.2–.50	24.18S–.06	178.63E–.06	548–4	5.2W,4.0b		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202107051847A. Moment Tensor Solution. s49,c51;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.51±.04 $M_{\theta\theta}$0.32±.09; $M_{\phi\phi}$0.18±.08; $M_{r\theta}$-0.47±.10; $M_{\theta\phi}$0.14±.07; $M_{\phi r}$0.78±.08; Best double couple: NP1:ϕ_s331.00000°,δ9.00000°,λ-88.00000°. NP2:ϕ_s149.00000°,δ81.00000°,λ-90.00000°. Principal axes: T 0.7540,Plg36.0000°,Azm239.0000°; N 0.4100,Plg0.0000°,Azm149.0000°; P -1.1650,Plg54.0000°,Azm58.0000° $M_0$0.95900×10^{17}

(171) South of Fiji Islands

ISC	**VII**	**07 06 39 09.0–.22**	**23.24S–.03**	**179.72E–.03**	**543–2**	**5.3b**	**1526**	**6-170**
BGR	VII	07 06 38 08.5	23.97S	179.22W	33	5.3b		**¶620757424**
NEIC	VII	07 06 39 08.9	23.25S	179.68E	537	5.3b		
IPGP	VII	07 06 39 08.0	23.20S	179.64E	551	6.0W		
PTWC	VII	07 06 39 08	23.20S	179.90E	556	5.7		
MOS	VII	07 06 39 08.4–.85	23.24S	179.60E	537	5.4b		
NEIC	VII	07 06 39 08.5–2.5	23.29S–.05	179.67E–.08	531–3	5.9,5.2b		
GFZ	VII	07 06 39 08.9–.32	23S–2.0	180E–2.0	532–3	5.4b,5.3		
GFZ	VII	07 06 39 08.6	23.22S	179.59E	546	5.9W,5.3		
NEIC	VII	07 06 39 09.6	23.20S	179.68E	543	5.9W,5.3		
IDC	VII	07 06 39 09.4–.37	23.23S	179.58E	541–3	5.6,4.8b		
NOU	VII	07 06 39 09.3	23.32S	179.64E	545	5.4b,4.8b		
GCMT	VII	07 06 39 14.1–.10	23.35S–.01	179.78E–.01	556–0	5.9W,4.8b		
NEIC	VII	07 06 39 14	23.10S	179.90E	550	5.9,4.8b		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s95.00000°,δ77.00000°,λ-164.00000°. NP2:ϕ_s1.00000°,δ75.00000°,λ-13.00000°.
MOS Error ellipse: s-maj=8.9km s-min=7.4km az=114.6.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.0km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$0.40 $M_{r\theta}$-0.37 $M_{\theta\phi}$-0.86 $M_{\phi r}$-0.33 NP1:ϕ_s104.13000°,δ68.89000°,λ-163.59000°. NP2:ϕ_s8.08000°,δ74.72000°,λ-21.92000°. Principal axes: T 0.9812,Plg4.0000°,Azm57.0000°; N 0.1343,Plg63.0000°,Azm155.0000°; P -1.1155,Plg26.0000°,Azm325.0000° $M_0$1.05000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-2.81 $M_{\phi\phi}$1.35 $M_{r\theta}$-2.06 $M_{\theta\phi}$-7.14 $M_{\phi r}$-3.88 NP1:ϕ_s99.55212°,δ60.54974°,λ179.55215°. NP2:ϕ_s189.77232°,δ89.61002°,λ29.45101°. Principal axes: T 7.4118,Plg20.6387°,Azm58.6279°; N 2.2153,Plg60.5466°,Azm190.4629°; P -9.6271,Plg20.0505°,Azm320.7268° $M_0$8.73280×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=7.9km s-min=7.7km az=85.0.
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202107070639A. Moment Tensor Solution. s155,c330; s96,c114;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08±.01 $M_{\theta\theta}$-0.29±.01; $M_{\phi\phi}$0.21±.01; $M_{r\theta}$-0.38±.01; $M_{\theta\phi}$-0.79±.01; $M_{\phi r}$-0.34±.01; Best double couple: NP1:ϕ_s102.00000°,δ70.00000°,λ-167.00000°. NP2:ϕ_s7.00000°,δ77.00000°,λ-21.00000°. Principal axes: T 0.7920,Plg5.0000°,Azm55.0000°; N 0.2930,Plg66.0000°,Azm157.0000°; P -1.0840,Plg23.0000°,Azm323.0000° $M_0$0.93800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.43 $M_{\theta\theta}$-1.73 $M_{\phi\phi}$1.31 $M_{r\theta}$-1.52 $M_{\theta\phi}$-7.92 $M_{\phi r}$-3.17 NP1:ϕ_s96.72000°,δ68.55000°,λ-175.13000°. NP2:ϕ_s4.94000°,δ85.46000°,λ-21.52000°. Principal axes: T 8.1591,Plg12.0000°,Azm53.0000°; N 1.1798,Plg68.0000°,Azm174.0000°; P -9.3389,Plg18.0000°,Azm319.0000° $M_0$8.81000×10^{17}

(660) Sea of Japan

ISC	**VII**	**07 17 02 32.5–.32**	**37.18N–.03**	**135.00E–.03**	**375–3**	**4.6b**	**769**	**1-160**
BJI	VII	07 17 02 31.4	37.17N	135.01E	388	5.0b,5.0b		**¶620758699**
NIED	VII	07 17 02 32.2	37.17N	135.08E	384	4.9W,5.0b		
NEIC	VII	07 17 02 32.6–1.7	37.21N–.07	135.00E–.08	370–5	4.6b,5.0b		
MOS	VII	07 17 02 32.1–.88	37.25N	134.97E	378	4.5b,5.0b		
GFZ	VII	07 17 02 32.8–.20	37N–4.0	135E–4.0	383–4	5.0b,4.8		
IDC	VII	07 17 02 32.6–.37	37.18N	134.88E	371–3	4.9,4.1b		
JMA	VII	07 17 02 32.2–.16	37.2N–.80	135.1E–.80	384–1	4.8W,4.6		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$0.86 $M_{r\theta}$0.37 $M_{\theta\phi}$1.11 $M_{\phi r}$-1.62 NP1:ϕ_s252.00000°,δ39.00000°,λ-4.00000°. NP2:ϕ_s345.00000°,δ88.00000°,λ-129.00000°. $M_0$2.15000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. SEA OF JAPAN .

(262) Celebes Sea

ISC	**VII**	**08 20 36 07.9–.50**	**4.42N–.05**	**123.53E–.07**	**512**	**4.0b**	**115**	**2-97**
MAN	VII	08 20 36 08.4	4.51N	124.48E	583	5.0b,4.0s		**¶620928195**
NEIC	VII	08 20 36 09.3–1.4	4.40N–.08	123.7E–.20	544–10	4.2b,4.0s		
IDC	VII	08 20 36 10.0–.80	4.47N	123.69E	549–10	4.3,3.3b		
DJA	VII	08 20 36 13.0–.70	4N–7.0	124E–4.0	468–8	4.7b,4.6		

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(192) New Britain region

ISC	**VII**	**08 23 53 10.4–.37**	**5.06S–.04**	**150.39E–.04**	**302–3**	**4.7b**	**332**	**2-153**
BJI	VII	08 23 53 04.9	5.38S	150.98E	300	4.7b,4.6b		**¶620783816**
NEIC	VII	08 23 53 10.7–1.4	5.04S–.09	150.39E–.07	298–2	4.7b,4.6b		
IDC	VII	08 23 53 10.3–.44	5.13S	150.42E	300–3	4.8,4.1b		
GFZ	VII	08 23 53 11.7–.19	5S–2.0	150E–3.0	324	4.7b,4.6		
DJA	VII	08 23 53 11.0–.40	5S–5.0	150E–4.0	293–5	5.3b,4.9b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(280) Banda Sea

ISC	**VII**	**09 01 53 33.1–.30**	**7.28S–.04**	**126.20E–.05**	**450**	**4.5b**	**394**	**1-149**
NEIC	VII	09 01 53 32.8–1.4	7.25S–.08	126.17E–.02	438–6	4.5b		**¶620783823**
GFZ	VII	09 01 53 33.3–.24	7S–3.0	126E–4.0	446–3	4.9b,4.5		
IDC	VII	09 01 53 33.2–.90	7.25S	126.24E	448–10	4.8,4.0b		
DJA	VII	09 01 53 33.1–.10	7S–2.0	126E–1.0	435–3	5.3,5.1b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(171) South of Fiji Islands

ISC	**VII**	**14 23 54 15.2–.31**	**22.20S–.04**	**179.37E–.04**	**625–3**	**5.2b**	**1137**	**5-174**
BJI	VII	14 23 54 14.0	21.93S	179.57E	623	5.2b,5.1b		**¶620829339**
GFZ	VII	14 23 54 16.0–.32	22S–3.0	179E–3.0	623–4	5.2b,4.9		
IDC	VII	14 23 54 15.2–.53	22.16S	179.27E	619–5	5.3,4.4b		
NOU	VII	14 23 54 15.1	22.24S	179.35E	629	5.2b,4.4b		
NEIC	VII	14 23 54 16.1–1.6	22.18S–.09	179.28E–.10	628–5	5.0b,4.4b		
GCMT	VII	14 23 54 17.3–.30	22.18S–.04	179.18E–.03	632–3	5.4W,4.4b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202107142354A. Moment Tensor Solution. s84,c119;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45±.04 $M_{\theta\theta}$-0.21±.07; $M_{\phi\phi}$0.65±.06; $M_{r\theta}$0.02±.06; $M_{\theta\phi}$0.56±.06; $M_{\phi r}$-1.23±.06; Best double couple: NP1:ϕ_s244.00000°,δ25.00000°,λ-27.00000°. NP2:ϕ_s359.00000°,δ79.00000°,λ-113.00000°. Principal axes: T 1.5720,Plg30.0000°,Azm107.0000°; N -0.2310,Plg22.0000°,Azm3.0000°; P -1.3420,Plg51.0000°,Azm243.0000° $M_0$1.45700×10^{17}

(181) Fiji Islands region

ISC	**VII**	**17 03 23 46.7–.23**	**20.60S–.03**	**178.33W–.03**	**561–2**	**5.4b**	**1613**	**4-173**
BJI	VII	17 03 23 44.8	20.41S	177.98W	558	5.4b,5.4b		**¶620833041**
MOS	VII	17 03 23 46.3–.85	20.55S	178.47W	558	5.5b,5.4b		
NEIC	VII	17 03 23 47.3	20.59S	178.41W	557	5.5b,5.4b		
NEIC	VII	17 03 23 47.8	20.39S	178.30W	560	5.5,5.4b		
GFZ	VII	17 03 23 47.6–.33	21S–2.0	178W–2.0	559–3	5.4b,5.2		
GFZ	VII	17 03 23 47.6	20.52S	178.47W	584	5.5W,5.2		
NEIC	VII	17 03 23 47.7–2.1	20.60S–.09	178.41W–.08	563–1	5.4b,5.2		
IDC	VII	17 03 23 47.2–.84	20.60S	178.43W	563–8	5.7,4.9b		
NOU	VII	17 03 23 48.5	20.54S	178.54W	575	5.5b,4.9b		
GCMT	VII	17 03 23 50.0–.20	20.49S–.02	178.56W–.02	579–1	5.6W,4.9b		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.26 $M_{\theta\theta}$1.69 $M_{\phi\phi}$-0.44 $M_{r\theta}$-0.69 $M_{\theta\phi}$0.38 $M_{\phi r}$-1.32 NP1:ϕ_s288.49000°,δ37.42000°,λ-36.14000°. NP2:ϕ_s48.60000°,δ69.00000°,λ-121.71000°. Principal axes: T 2.0532,Plg18.0000°,Azm162.0000°; N 0.2096,Plg29.0000°,Azm61.0000°; P -2.2628,Plg55.0000°,Azm279.0000° $M_0$2.17000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.38 $M_{\theta\theta}$1.02 $M_{\phi\phi}$0.36 $M_{r\theta}$-1.27 $M_{\theta\phi}$0.83 $M_{\phi r}$-1.23 NP1:ϕ_s47.98945°,δ70.17103°,λ-96.07697°. NP2:ϕ_s245.41398°,δ20.70339°,λ-73.63862°. Principal axes: T 2.3969,Plg24.9346°,Azm142.7247°; N -0.1745,Plg5.7154°,Azm50.0577°; P -2.2225,Plg64.3300°,Azm308.0384° $M_0$2.31466×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202107170323A. Moment Tensor Solution. s131,c219;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.78±.04 $M_{\theta\theta}$1.57±.07; $M_{\phi\phi}$0.21±.07; $M_{r\theta}$-1.58±.07; $M_{\theta\phi}$0.80±.06; $M_{\phi r}$-1.57±.07; Best double couple: NP1:ϕ_s261.00000°,δ22.00000°,λ-61.00000°. NP2:ϕ_s50.00000°,δ71.00000°,λ-101.00000°. Principal axes: T 2.9130,Plg25.0000°,Azm149.0000°; N -0.0140,Plg11.0000°,Azm54.0000°; P -2.8970,Plg63.0000°,Azm302.0000° $M_0$2.90500×10^{17}

(259) Mindanao

ISC	**VII**	**18 03 08 33.6–.46**	**6.24N–.04**	**124.55E–.05**	**418–5**	**4.4b**	**264**	**0-150**
IDC	VII	18 03 08 33.7–.57	6.21N	124.57E	420–6	4.5,3.6b		**¶620833223**
NEIC	VII	18 03 08 33.9–2.2	6.23N–.08	124.4E–.10	408–6	4.4b,3.6b		
MAN	VII	18 03 08 33.5	6.31N	124.64E	419	5.3b,4.4s		
GFZ	VII	18 03 08 34.2–.31	6N–3.0	125E–5.0	418–4	4.7b,4.4		
DJA	VII	18 03 08 34.3–.60	6N–6.0	125E–3.0	397–4	6.1,6.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(181) Fiji Islands region

ISC	**VII**	**24 03 10 12.0–.30**	**18.18S–.06**	**178.13W–.05**	**559**	**4.7b**	**605**	**4-161**
BGR	VII	24 03 09 12.2	18.21S	175.71W	33	4.7b		**¶621112265**
BJI	VII	24 03 10 12.0	18.20S	178.10W	576	5.0b,4.9b		
NOU	VII	24 03 10 12.1	17.98S	178.17W	582	5.1b,4.9b		
NEIC	VII	24 03 10 13.0–1.9	18.1S–.10	178.22W–.10	559–6	4.6b,4.9b		
GFZ	VII	24 03 10 13.1–.32	18S–4.0	178W–4.0	572–4	5.0b,5.0		
IDC	VII	24 03 10 14.3–.67	18.14S	178.27W	580–6	5.1,4.2b		

ISC Event type ke.
BGR Event type ke.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.3km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=11.1km s-min=7.5km az=159.0.

(177) Kermadec Islands region

ISC	**VII**	**24 20 37 03.3–1.0**	**31.40S–.08**	**179.2W–.10**	**450**	**4.0b**	**64**	**2-146**
WEL	VII	24 20 37 08.4–1.4	32S–8.0	179W–18	385–18	5.2,5.0b		**¶620970251**
IDC	VII	24 20 37 09.2–4.0	31.10S	179.93E	447–44	4.4,3.6b		

ISC Event type se.
WEL Error ellipse: s-maj=23.8km s-min=9.4km az=103.2. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=31.1km s-min=22.4km az=61.0.

(179) South of Kermadec Islands

ISC	**VII**	**26 09 57 51.0–.71**	**32.60S–.06**	**179.9W–.10**	**400**	**4.1b**	**183**	**5-151**
NEIC	VII	26 09 57 49.1–2.1	32.4S–.10	179.8E–.20	337–9	4.3b		**¶620973833**
WEL	VII	26 09 57 53.5–1.0	33S–13	180W–15	392–28	5.4b,5.4		
IDC	VII	26 09 57 54.0–3.0	32.09S	179.54E	389–31	4.6,3.7b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=13.6km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=20.7km s-min=14.2km az=56.7. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=21.9km s-min=14.3km az=137.0.

(211) Southeast of Honshu

ISC	**VII**	**27 05 37 50.5–.31**	**34.55N–.03**	**136.67E–.03**	**353–2**	**4.7b**	**741**	**0-159**
BGR	VII	27 05 37 07.8	33.60N	138.98E	33	5.3b		**¶620847120**
JMA	VII	27 05 37 50.0–.22	35N–1.0	136.7E–.90	359–1	4.9,4.9W		
NIED	VII	27 05 37 50.0	34.60N	136.68E	359	4.8W,4.9W		
MOS	VII	27 05 37 49.4–.79	34.55N	136.68E	355	4.9b,4.9W		
GFZ	VII	27 05 37 50.7	34.54N	136.69E	357	4.8W,4.9W		
GFZ	VII	27 05 37 50.7–.20	35N–3.0	137E–3.0	353–3	5.1b,4.9		
IDC	VII	27 05 37 50.4–.43	34.52N	136.66E	350–3	5.0,4.3b		
NEIC	VII	27 05 37 51.1–1.3	34.56N–.06	136.62E–.06	354–4	4.4b,4.3b		

ISC Event type ke.
BGR Event type ke.
JMA Event type fe. ISE BAY REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.05 $M_{\theta\theta}$1.55 $M_{\phi\phi}$-1.60 $M_{r\theta}$-0.91 $M_{\theta\phi}$0.03 $M_{\phi r}$-1.06 NP1:ϕ_s314.00000°,δ48.00000°,λ0.00000°. NP2:ϕ_s224.00000° ,δ90.00000°,λ138.00000°. $M_0$2.10000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.56 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-0.89 $M_{r\theta}$-0.96 $M_{\theta\phi}$-0.30 $M_{\phi r}$-1.23 NP1: ϕ_s217.22688°,δ78.98237°,λ106.48802°. NP2:ϕ_s340.07625°,δ19.74501°,λ34.45051°. Principal axes: T 1.6595,Plg53.1940°,Azm146.7980°; N 0.2043,Plg16.1757°,Azm33.9893° ; P -1.8638,Plg32.0323°,Azm293.5333° $M_0$1.77054×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(177) Kermadec Islands region

ISC	**VII**	**28 21 06 44.4–.29**	**30.85S–.03**	**179.73W–.04**	**365–2**	**5.0b**	**1064**	**2-175**
MOS	VII	28 21 06 43.7–1.9	30.73S	179.86W	357	5.3b		**¶621112317**
GFZ	VII	28 21 06 44.8–.46	31S–3.0	180W–4.0	358–6	5.0b,4.6		
NEIC	VII	28 21 06 44.4–1.6	30.77S–.09	179.7W–.10	356–4	5.2b,4.6		
WEL	VII	28 21 06 45.9–1.1	31S–8.0	179W–20	336–13	6.4,5.9b		
NOU	VII	28 21 06 45.3	30.96S	179.86W	371	5.2b,5.9b		
IDC	VII	28 21 06 46.1–1.1	30.76S	179.82W	374–10	5.2,4.5b		
GCMT	VII	28 21 06 48.3–.30	30.72S–.04	179.75W–.03	366–1	5.2W,4.5b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU Kermadec Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202107282106A. Moment Tensor Solution. s83,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.31±.22 $M_{\theta\theta}$-0.37±.40; $M_{\phi\phi}$5.68±.35; $M_{r\theta}$-3.40±.37; $M_{\theta\phi}$2.60±.35; $M_{\phi r}$1.18±.39; Best double couple: NP1:ϕ_s173.00000°,δ52.00000°,λ-130.00000°. NP2:ϕ_s47.00000° ,δ53.00000°,λ-50.00000°. Principal axes: T 6.6440,Plg0.0000°,Azm111.0000° ; N 0.7870,Plg31.0000°,Azm201.0000°; P -7.4340,Plg59.0000°,Azm20.0000° $M_0$7.03900×10^{16}

(265) Minahassa Peninsula, Sulawesi

ISC	**VII**	**31 05 29 22.2–.59**	**1.97N–.05**	**124.18E–.04**	**307–6**	**4.2b**	**108**	**1-89**
IDC	VII	31 05 29 14.9–3.1	1.98N	124.09E	226–35	4.3,3.7b		**¶620986110**
DJA	VII	31 05 29 20.8–.30	2N–3.0	124E–2.0	314–3	5.8b,5.4		
NEIC	VII	31 05 29 21.6–1.2	1.97N–.09	124.14E–.02	299–9	4.2b,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(278) Bali Sea

ISC	**VIII**	**01 12 56 02.1–.46**	**7.49S–.05**	**116.30E–.04**	**351–5**	**4.3b**	**266**	**1-116**
GFZ	VIII	01 12 56 01.9–.14	8S–3.0	116E–2.0	357	4.8,4.5b		**¶620925724**
IDC	VIII	01 12 56 03.2–1.1	7.38S	116.35E	362–11	4.6,3.8b		
NEIC	VIII	01 12 56 03.1–2.1	7.44S–.05	116.36E–.06	354–8	4.4b,3.8b		
DJA	VIII	01 12 56 03.1–.20	8S–3.0	116E–1.0	337–2	5.1b,4.6b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(171) South of Fiji Islands

ISC	**VIII**	**03 10 23 55.7–.47**	**25.45S–.04**	**179.76E–.04**	**494–4**	**4.8b**	**614**	**4-168**
NEIC	VIII	03 10 23 54.8–1.0	25.46S–.10	179.8E–.10	480–6	5.5,4.8b		**¶621237412**
IDC	VIII	03 10 23 55.9–.77	25.49S	179.58E	488–7	5.3,4.5b		
BJI	VIII	03 10 23 55.3	26.07S	179.55E	515	5.1b,5.0b		
NOU	VIII	03 10 23 56.4	25.59S	179.65E	507	5.0b,5.0b		
GFZ	VIII	03 10 23 56.1–.43	25S–3.0	180E–7.0	508–7	5.0b,5.0		
GCMT	VIII	03 10 24 00.2–.30	25.57S–.03	179.70E–.03	500–1	5.6W,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202108031023A. Moment Tensor Solution. s99,c140;Duration: 1$\hat{s}$5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.62±.05 $M_{\theta\theta}$-1.40±.07; $M_{\phi\phi}$0.78±.07; $M_{r\theta}$-1.31±.07; $M_{\theta\phi}$-0.40±.07; $M_{\phi r}$-2.11±.07; Best double couple: NP1:ϕ_s115.00000°,δ26.00000°,λ165.00000°. NP2:ϕ_s218.00000° ,δ84.00000°,λ65.00000°. Principal axes: T 2.9080,Plg46.0000°,Azm103.0000° ; N -0.2420,Plg25.0000°,Azm221.0000°; P -2.6650,Plg34.0000°,Azm329.0000° $M_0$2.78600×10^{17}

(181) Fiji Islands region

ISC	**VIII**	**04 06 01 58.4–.29**	**20.37S–.04**	**178.21W–.04**	**545–3**	**4.9b**	**875**	**4-173**
NOU	VIII	04 06 01 57.3	20.59S	178.12W	544	4.9b		**¶620966427**
NEIC	VIII	04 06 01 57.8–2.2	20.42S–.09	178.22W–.09	530–5	4.8b		
BJI	VIII	04 06 01 57.0	20.50S	178.20W	544	5.1b,4.8b		
GFZ	VIII	04 06 01 58.6–.40	20S–5.0	178W–6.0	554–6	5.1b,5.0		
IDC	VIII	04 06 01 59.7–.40	20.40S	178.35W	552–4	5.0,4.1b		
BGR	VIII	04 06 02 00.5	20.43S	177.62W	568–7	5.0,4.1b		

ISC Event type ke.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=12.1km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=9.7km s-min=8.2km az=156.0.
BGR Event type ke.

(280) Banda Sea

ISC	**VIII**	**05 05 06 07.4–.28**	**7.60S–.03**	**122.84E–.03**	**538–3**	**5.2b**	**955**	**1-168**
BJI	VIII	05 05 06 04.6	7.79S	123.30E	550	5.0b,4.8b		**¶620969529**
IDC	VIII	05 05 06 07.0–.46	7.57S	122.87E	530–5	5.2,4.3b		
DJA	VIII	05 05 06 06.7–.10	8S–1.0	123E–1.0	530–1	6.0,6.0b		
GCMT	VIII	05 05 06 07.9–.20	7.58S–.02	122.81E–.02	530–1	5.5W,6.0b		
GFZ	VIII	05 05 06 07.4–.16	8S–2.0	123E–2.0	529–3	5.6b,5.5		
GFZ	VIII	05 05 06 07.4	7.62S	122.81E	521	5.3W,5.5		
NEIC	VIII	05 05 06 07.5	7.60S	122.79E	550	5.4,5.5		
NEIC	VIII	05 05 06 07	7.60S	122.79E	525	5.4,5.5		
NEIC	VIII	05 05 06 07.8–1.1	7.60S–.08	122.82E–.09	541–6	5.1b,5.5		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202108050506A. Moment Tensor Solution. s114,c166;Duration: 1$\hat{s}$4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.04 $M_{\theta\theta}$-2.22±.05; $M_{\phi\phi}$2.33±.05; $M_{r\theta}$0.69±.06; $M_{\theta\phi}$-0.38±.06; $M_{\phi r}$-0.22±.06; Best double couple: NP1:ϕ_s219.00000°,δ74.00000°,λ-7.00000°. NP2:ϕ_s311.00000° ,δ83.00000°,λ-164.00000°. Principal axes: T 2.3930,Plg6.0000°,Azm84.0000° ; N 0.0580,Plg73.0000°,Azm333.0000°; P -2.4450,Plg16.0000°,Azm176.0000° $M_0$2.41900×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.06 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$1.13 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.55 $M_{\phi r}$-0.14 NP1: ϕ_s302.41274°,δ89.02252°,λ-164.59465°. NP2:ϕ_s212.14341°,δ74.59695°,λ-1.01390°. Principal axes: T 1.2866,Plg10.1223°,Azm76.2394°; N 0.0852,Plg74.5644°,Azm305.9555° ; P -1.3718,Plg11.5297°,Azm168.3265° $M_0$1.33126×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.44 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$1.02 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.35 $M_{\phi r}$-0.70 NP1:ϕ_s221.67000°,δ52.89000° ,λ15.60000°. NP2:ϕ_s122.11000°,δ77.62000°,λ141.85000°. Principal axes: T 1.6315,Plg35.0000°,Azm75.0000°; N 0.0406,Plg50.0000°,Azm287.0000° ; P -1.6721,Plg16.0000°,Azm177.0000° $M_0$1.65000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(171) South of Fiji Islands

ISC	**VIII**	**05 11 20 17.7–.29**	**23.05S–.04**	**179.39W–.04**	**550–3**	**5.0b**	**980**	**6-170**
NOU	VIII	05 11 20 15.8	23.11S	179.23W	547	5.1b		**¶621237420**
BJI	VIII	05 11 20 16.8	22.65S	178.88W	550	5.0b,5.0b		
NEIC	VIII	05 11 20 16.7	23.12S	179.40W	529	5.0b,5.0b		
NEIC	VIII	05 11 20 17.0–2.1	23.12S–.09	179.39W–.10	537–5	4.9b,5.0b		
NEIC	VIII	05 11 20 17.1	23.02S	179.18W	550	5.3,5.0b		
GFZ	VIII	05 11 20 18.9–.24	23S–3.0	180W–3.0	554–3	5.0b,4.8		
GFZ	VIII	05 11 20 18.9	23.13S	179.58W	561	5.3W,4.8		
BGR	VIII	05 11 20 18.9	23.23S	178.70W	568–7	5.3W,4.8		
IDC	VIII	05 11 20 18.9–.50	23.08S	179.61W	552–5	5.1,4.2b		
GCMT	VIII	05 11 20 21.3–.20	23.08S–.02	179.57W–.02	552–1	5.3W,4.2b		

ISC Event type ke.
NOU South of Fiji Islands.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98 $M_{\theta\theta}$0.51 $M_{\phi\phi}$0.47 $M_{r\theta}$-0.19 $M_{\theta\phi}$-0.57 $M_{\phi r}$-0.70 NP1:ϕ_s111.63000°,δ40.49000° ,λ-130.68000°. NP2:ϕ_s340.13000°,δ60.50000°,λ-60.90000°. Principal axes: T 1.1289,Plg11.0000°,Azm50.0000°; N 0.2231,Plg25.0000°,Azm145.0000° ; P -1.3520,Plg62.0000°,Azm298.0000° $M_0$1.26000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.91 $M_{\theta\theta}$0.53 $M_{\phi\phi}$0.38 $M_{r\theta}$-0.17 $M_{\theta\phi}$-0.57 $M_{\phi r}$-0.69 NP1: ϕ_s107.56244°,δ41.34748°,λ-132.65716°. NP2:ϕ_s338.39047°,δ60.93267°,λ-59.19277°. Principal axes: T 1.0939,Plg10.7952°,Azm46.7569°; N 0.2011,Plg26.5927°,Azm142.2342° ; P -1.2949,Plg60.9712°,Azm296.6620° $M_0$1.20702×10^{17}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202108051120A. Moment Tensor Solution. s106,c163;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84±.02 $M_{\theta\theta}$0.63±.03; $M_{\phi\phi}$0.21±.04; $M_{r\theta}$0.08±.04; $M_{\theta\phi}$-0.65±.03; $M_{\phi r}$-0.72±.04; Best double couple: NP1:ϕ_s100.00000°,δ38.00000°,λ-135.00000°. NP2:ϕ_s332.00000° ,δ64.00000°,λ-61.00000°. Principal axes: T 1.2310,Plg15.0000°,Azm42.0000° ; N 0.0080,Plg26.0000°,Azm139.0000°; P -1.2380,Plg60.0000°,Azm285.0000° $M_0$1.23400×10^{17}

(262) Celebes Sea

ISC	**VIII**	**06 16 08 57.0–.38**	**4.87N–.04**	**123.01E–.04**	**599–4**	**4.8b**	**554**	**2-168**
BJI	VIII	06 16 08 49.7	4.17N	123.33E	597	4.8b,4.6b		**¶620973897**
MAN	VIII	06 16 08 53.8	4.74N	123.12E	624	5.4b,4.6s		
IDC	VIII	06 16 08 57.2–.50	4.86N	122.94E	600–6	4.9,4.0b		
GFZ	VIII	06 16 08 57.6	4.85N	122.91E	587	4.6W,4.0b		
GFZ	VIII	06 16 08 57.6–.28	5N–4.0	123E–4.0	585–4	4.9b,4.5		
NEIC	VIII	06 16 08 58.1–2.0	4.84N–.10	122.9E–.10	603–8	4.8b,4.5		
DJA	VIII	06 16 08 58.6–1.7	5N–12	123E–6.0	575–22	5.3b,5.2		

ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.94 $M_{\theta\theta}$0.98 $M_{\phi\phi}$2.96 $M_{r\theta}$-0.89 $M_{\theta\phi}$0.36 $M_{\phi r}$-9.23 NP1: ϕ_s190.87543°,δ10.32463°,λ-85.03599°. NP2:ϕ_s5.83014°,δ79.71452°,λ-90.90311°. Principal axes: T 9.4386,Plg34.7085°,Azm96.6070°; N 0.9242,Plg0.8886°,Azm5.9914° ; P -10.3628,Plg55.2768°,Azm274.7090° $M_0$9.93299×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region

ISC	**VIII**	**12 03 47 00.6–.24**	**18.35S–.04**	**177.79W–.03**	**533–2**	**5.1b**	**1266**	**4-175**
BJI	VIII	12 03 46 58.9	18.20S	177.59W	524	5.4b,5.3b		**¶621237431**
NOU	VIII	12 03 46 59.9	18.38S	177.78W	532	5.2b,5.3b		
NEIC	VIII	12 03 47 00.2	18.35S	177.91W	522	5.2b,5.3b		
NEIC	VIII	12 03 47 00.2–1.4	18.36S–.09	177.89W–.10	523–5	5.7,5.5		
IDC	VIII	12 03 47 01.9–.43	18.30S	177.89W	535–4	5.4,4.6b		
GFZ	VIII	12 03 47 01.7	18.31S	177.96W	521	5.6W,4.6b		
MOS	VIII	12 03 47 01.2–.96	18.29S	178.00W	537	5.5b,4.6b		
GFZ	VIII	12 03 47 01.7–.35	18S–3.0	178W–2.0	532–4	5.2b,5.2		
GCMT	VIII	12 03 47 04.2–.20	18.34S–.02	177.97W–.02	539–1	5.7W,5.2		

ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.37 $M_{\theta\theta}$1.84 $M_{\phi\phi}$1.53 $M_{r\theta}$-1.04 $M_{\theta\phi}$1.97 $M_{\phi r}$-2.20 NP1:ϕ_s240.39000°,δ29.96000°,λ-67.40000°. NP2:ϕ_s34.72000°,δ62.55000° ,λ-102.49000°. Principal axes: T 4.3307,Plg17.0000°,Azm134.0000°; N -0.1098,Plg11.0000° ,Azm41.0000°; P -4.2209,Plg70.0000°,Azm278.0000° $M_0$4.28000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.06 $M_{\theta\theta}$0.72 $M_{\phi\phi}$1.34 $M_{r\theta}$-1.23 $M_{\theta\phi}$0.55 $M_{\phi r}$-1.52 NP1: ϕ_s207.42024°,δ22.00007°,λ-98.11958°. NP2:ϕ_s36.16797°,δ68.23180°,λ-86.73398°. Principal axes: T 2.4938,Plg23.1653°,Azm123.6566°; N 0.4113,Plg3.0329°,Azm214.9556° ; P -2.9052,Plg66.6138°,Azm311.9931° $M_0$2.72292×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202108120347A. Moment Tensor Solution. s121,c203;Duration: 1$\hat{s}$6 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.92±.07 $M_{\theta\theta}$0.69±.12; $M_{\phi\phi}$2.23±.11; $M_{r\theta}$-1.60±.13; $M_{\theta\phi}$1.11±.11; $M_{\phi r}$-1.74±.12; Best double couple: NP1:ϕ_s199.00000°,δ26.00000°,λ-106.00000°. NP2:ϕ_s37.00000° ,δ65.00000°,λ-82.00000°. Principal axes: T 3.6200,Plg20.0000°,Azm121.0000° ; N 0.1790,Plg7.0000°,Azm214.0000°; P -3.8040,Plg69.0000°,Azm322.0000°

$M_0$3.71200×10^{17}

(660) Sea of Japan

ISC	**VIII**	**16 12 32 33.0–.29**	**41.56N–.03**	**131.43E–.03**	**563–3**	**4.5b**	**1128**	**1-151**
JMA	VIII	16 12 32 31.4–.41	42N–2.0	132E–4.0	606	4.9		**¶620989830**
MOS	VIII	16 12 32 32.5–.81	41.56N	131.36E	565	4.7b		
BJI	VIII	16 12 32 32.3	41.58N	131.37E	570	5.8b,5.4b		
NEIC	VIII	16 12 32 33.2–1.5	41.60N–.08	131.4E–.10	560–6	4.3b,5.4b		
IDC	VIII	16 12 32 33.7–.34	41.62N	131.31E	564–3	5.1,4.1b		
GFZ	VIII	16 12 32 33.4–.18	42N–2.0	131E–2.0	554–2	4.8,4.8b		

ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(262) Celebes Sea

ISC	**VIII**	**23 12 22 51.6–.46**	**2.95N–.05**	**124.43E–.06**	**323**	**3.9b**	**83**	**1-94**
IDC	VIII	23 12 22 50.4–12	3.02N	124.41E	306–135	4.6,3.8b		**¶621049234**
DJA	VIII	23 12 22 51.3–.80	3N–6.0	124E–5.0	332–6	5.1b,4.5		
NEIC	VIII	23 12 22 52.0–1.4	2.93N–.07	124.43E–.07	323–8	4.0b,4.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(177) Kermadec Islands region

ISC	**VIII**	**25 19 11 59.3–.45**	**31.05S–.04**	**179.95E–.08**	**400**	**4.0b**	**148**	**3-159**
IDC	VIII	25 19 11 57.8–2.2	31.35S	179.94W	393–21	4.4,3.4b		**¶621007377**
NEIC	VIII	25 19 12 00.0–1.7	31.2S–.10	179.9W–.20	404–7	4.2b,3.4b		
WEL	VIII	25 19 12 06.3–1.1	32S–6.0	179W–15	346–19	5.2,5.0L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

(663) Sea of Okhotsk

ISC	**VIII**	**28 14 29 13.8–.39**	**51.14N–.04**	**151.47E–.04**	**468–4**	**4.2b**	**586**	**3-149**
BGR	VIII	28 14 28 27.0	51.12N	153.21E	33	4.7b		**¶621009870**
KRSC	VIII	28 14 29 11.6–2.1	50.97N	151.61E	492–38	5.3L		
SKHL	VIII	28 14 29 13.1–.80	51.10N	151.70E	516–5	5.9,5.5b		
MOS	VIII	28 14 29 13.4–.82	51.14N	151.53E	482	4.3b,5.5b		
GFZ	VIII	28 14 29 14.5–.35	51N–5.0	151E–5.0	468–5	4.5b,4.4		
IDC	VIII	28 14 29 14.8–.63	51.29N	151.28E	468–7	4.6,3.6b		
NEIC	VIII	28 14 29 14.3–1.6	51.3N–.10	151.3E–.20	465–7	4.3b,3.6b		

ISC Event type ke.
BGR Event type ke.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region

ISC	**VIII**	**31 10 04 52.9–.31**	**18.15S–.04**	**178.14W–.04**	**557–3**	**5.1b**	**993**	**4-175**
NOU	VIII	31 10 04 50.2	18.60S	178.05W	539	5.2b		**¶621237605**
MOS	VIII	31 10 04 53.4–1.2	17.98S	178.34W	553	5.1b		
IDC	VIII	31 10 04 53.3–1.1	18.08S	178.27W	552–12	5.2,4.4b		
GFZ	VIII	31 10 04 53.3–.28	18S–3.0	178W–2.0	548–3	5.0b,4.8		
NEIC	VIII	31 10 04 53.5–1.7	18.1S–.10	178.3W–.10	550–6	5.3,5.1b		
BJI	VIII	31 10 04 54.0	17.59S	178.34W	551	5.1b,5.0b		
GCMT	VIII	31 10 04 56.2–.20	18.00S–.02	178.30W–.02	563–1	5.4W,5.0b		

ISC Event type se.
NOU Fiji Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202108311004A. Moment Tensor Solution. s116,c180;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.00±.02 $M_{\theta\theta}$0.53±.04; $M_{\phi\phi}$0.47±.04; $M_{r\theta}$-0.95±.04; $M_{\theta\phi}$0.33±.04; $M_{\phi r}$-0.38±.04; Best double couple: NP1:ϕ_s221.00000°,δ22.00000°,λ-110.00000°. NP2:ϕ_s62.00000° ,δ69.00000°,λ-82.00000°. Principal axes: T 1.2600,Plg24.0000°,Azm146.0000° ; N 0.2170,Plg7.0000°,Azm239.0000°; P -1.4790,Plg65.0000°,Azm345.0000° $M_0$1.37000×10^{17}

(280) Banda Sea

ISC	**VIII**	**31 10 34 07.3–.55**	**5.69S–.04**	**128.63E–.05**	**343–6**	**4.1b**	**155**	**2-144**
IDC	VIII	31 10 34 07.0–1.2	5.71S	128.73E	340–13	4.4,3.5b		**¶621011480**
NEIC	VIII	31 10 34 07.8–.85	5.68S–.07	128.60E–.08	343–2	4.2b,3.5b		
DJA	VIII	31 10 34 09.9–.30	6S–3.0	129E–2.0	317–4	5.1b,4.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(220) Northwest of Kuril Islands

ISC	**IX**	**02 20 26 15.5–.23**	**50.35N–.03**	**150.69E–.03**	**438–1**	**5.2b**	**1301**	**3-155**
BGR	IX	02 20 25 35.1	50.42N	150.19E	33	5.1b		**¶621023958**
BJI	IX	02 20 26 13.8	50.24N	150.59E	431	5.1b,5.0b		
NIED	IX	02 20 26 13.8	49.57N	151.88E	435	5.4W,5.0b		
KRSC	IX	02 20 26 13.7–1.5	50.10N	151.37E	474–39	5.9L,5.0b		
JMA	IX	02 20 26 13.8–.77	50N–4.0	152E–7.0	435	5.6,5.1		
MOS	IX	02 20 26 14.4–.77	50.40N	150.63E	437	4.9b,5.1		
SKHL	IX	02 20 26 14.5–.10	50.20N	150.90E	446–11	5.9b,5.9		
GFZ	IX	02 20 26 15.2–.37	50N–4.0	151E–4.0	426–6	5.3b,4.9		
IDC	IX	02 20 26 16.3–.35	50.43N	150.56E	438–3	5.4,4.5b		
NEIC	IX	02 20 26 16.2–1.6	50.46N–.06	150.54E–.10	441–4	5.3b,5.3		
GCMT	IX	02 20 26 18.2–.30	50.32N–.03	150.74E–.05	440–2	5.3W,5.3		

ISC Event type ke.
BGR Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07 $M_{\theta\theta}$0.52 $M_{\phi\phi}$-0.45 $M_{r\theta}$-0.29 $M_{\theta\phi}$-0.14 $M_{\phi r}$-1.32 NP1:ϕ_s325.00000°,δ6.00000°,λ40.00000°. NP2:ϕ_s195.00000° ,δ86.00000°,λ95.00000°. $M_0$1.36000×10^{17}
KRSC Event type se.
JMA Event type ke. KURILE ISLANDS REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109022026A. Moment Tensor Solution. s78,c128;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.02 $M_{\theta\theta}$0.46±.03; $M_{\phi\phi}$-0.19±.03; $M_{r\theta}$0.85±.03; $M_{\theta\phi}$-0.03±.03; $M_{\phi r}$-0.57±.03; Best double couple: NP1:ϕ_s59.00000°,δ17.00000°,λ-153.00000°. NP2:ϕ_s302.00000° ,δ82.00000°,λ-75.00000°. Principal axes: T 1.1110,Plg36.0000°,Azm19.0000° ; N -0.0330,Plg15.0000°,Azm120.0000°; P -1.0770,Plg50.0000°,Azm229.0000° $M_0$1.09400×10^{17}

(663) Sea of Okhotsk

ISC	**IX**	**03 10 14 26.2–.21**	**49.35N–.02**	**147.01E–.02**	**586–1**	**5.4b**	**2136**	**3-154**
NIED	IX	03 10 14 22.9	48.98N	147.64E	628	5.8W		**¶621026100**
JMA	IX	03 10 14 22.9–.32	49N–2.0	148E–4.0	628	5.9,5.8W		
SKHL	IX	03 10 14 24.9–.30	49.30N	147.30E	577–7	6.5b,6.4		
BJI	IX	03 10 14 24.0	49.31N	147.06E	574	5.8b,5.7b		
KRSC	IX	03 10 14 24.3–1.9	49.24N	147.28E	586–26	5.8L,5.7b		
MOS	IX	03 10 14 24.8–.78	49.35N	147.06E	589	5.3b,5.7b		
GFZ	IX	03 10 14 25.9–.24	49N–2.0	147E–2.0	572–3	5.4,5.4b		
IPGP	IX	03 10 14 26.0	49.47N	146.99E	595	5.8W,5.4b		
NEIC	IX	03 10 14 26.5–1.0	49.49N–.08	147.0E–.10	585–1	5.9,5.4b		
NEIC	IX	03 10 14 26.5	49.48N	146.96E	583	5.9,5.4b		
NEIC	IX	03 10 14 26.5	49.48N	146.96E	583	5.9,5.4b		
IDC	IX	03 10 14 27.0–.42	49.47N	147.01E	590–4	5.8,4.8b		
GFZ	IX	03 10 14 27.6	49.37N	147.01E	600	5.8W,4.8b		
GCMT	IX	03 10 14 29.0–.10	49.44N–.01	146.87E–.01	588–0	5.8W,4.8b		
NEIC	IX	03 10 14 30.9	49.18N	147.11E	600	5.8,4.8b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}4.94 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$-4.24 $M_{r\theta}$-1.64 $M_{\theta\phi}$-0.38 $M_{\phi r}$-3.56 NP1:ϕ_s359.00000°,δ26.00000°,λ73.00000°. NP2:ϕ_s197.00000° ,δ65.00000°,λ98.00000°. $M_0$6.03000×10^{17}
JMA Event type fe. SOUTHERN SEA OF OKHOTSK .
KRSC Event type se.
MOS Error ellipse: s-maj=5.7km s-min=4.4km az=73.5.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IPGP Moment Tensor Solution. NP1:ϕ_s39.00000°,δ31.00000°,λ125.00000°. NP2:ϕ_s180.00000° ,δ65.00000°,λ71.00000°.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=13.5km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.98 $M_{\theta\theta}$-1.37 $M_{\phi\phi}$-5.61 $M_{r\theta}$0.77 $M_{\theta\phi}$-1.72 $M_{\phi r}$-4.44 NP1:ϕ_s30.04000°,δ30.51000°,λ112.04000°. NP2:ϕ_s184.88000° ,δ61.93000°,λ77.53000°. Principal axes: T 8.5487,Plg70.0000°,Azm68.0000° ; N -1.1932,Plg11.0000°,Azm191.0000°; P -7.3555,Plg16.0000°,Azm284.0000° $M_0$8.02000×10^{17}
NEIC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=6.6km s-min=5.3km az=106.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.72 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$-3.59 $M_{r\theta}$0.91 $M_{\theta\phi}$-1.65 $M_{\phi r}$-2.79 NP1: ϕ_s186.79424°,δ60.38865°,λ70.93775°. NP2:ϕ_s41.76007°,δ34.74235°,λ119.88368°. Principal axes: T 5.8391,Plg68.5031°,Azm57.7293°; N -0.9213,Plg16.4956°,Azm196.4834° ; P -4.9178,Plg13.3945°,Azm290.5271° $M_0$5.43733×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202109031014A. Moment Tensor Solution. s143,c304; s86,c94;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.09±.05 $M_{\theta\theta}$-0.90±.08; $M_{\phi\phi}$-4.19±.08; $M_{r\theta}$0.45±.08; $M_{\theta\phi}$-1.69±.07; $M_{\phi r}$-3.23±.07; Best double couple: NP1: ϕ_s36.00000°,δ32.00000°,λ114.00000°. NP2:ϕ_s188.00000°,δ61.00000°,λ76.00000°. Principal axes: T 6.2290,Plg70.0000°,Azm67.0000°; N -0.5600,Plg12.0000°,Azm195.0000° ; P -5.6690,Plg15.0000°,Azm288.0000° $M_0$5.94900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.20 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-4.17 $M_{r\theta}$0.21 $M_{\theta\phi}$-1.56 $M_{\phi r}$-3.47 NP1:ϕ_s33.05000°,δ29.90000° ,λ111.13000°. NP2:ϕ_s189.02000°,δ62.29000°,λ78.29000°. Principal axes: T 6.4144,Plg70.0000°,Azm74.0000°; N -0.6636,Plg10.0000°,Azm195.0000° ; P -5.7509,Plg17.0000°,Azm288.0000° $M_0$6.11000×10^{17}

(171) South of Fiji Islands

ISC	**IX**	**04 02 15 12.5–.36**	**22.38S–.05**	**179.48W–.04**	**584–3**	**4.8b**	**727**	**5-171**
BJI	IX	04 02 15 10.2	22.31S	178.79W	588	5.1b,4.7b		**¶621240945**
NOU	IX	04 02 15 10.2	22.43S	179.21W	580	5.1b,4.7b		
NEIC	IX	04 02 15 12.8–1.9	22.43S–.09	179.5W–.10	576–5	4.6b,4.7b		
GFZ	IX	04 02 15 13.3–.49	22S–4.0	180W–8.0	590–7	5.2b,5.0		
IDC	IX	04 02 15 13.4–.45	22.45S	179.57W	584–4	5.2,4.2b		

ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.9km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=10.8km s-min=9.4km az=89.0.

(181) Fiji Islands region

ISC	**IX**	**09 07 18 08.4–.25**	**21.79S–.03**	**179.29W–.04**	**598–2**	**5.0b**	**923**	**5-164**
BJI	IX	09 07 18 07.5	21.63S	179.00W	601	5.3b,5.1b		**¶621044120**
NOU	IX	09 07 18 07.9	21.86S	179.22W	594	5.4b,5.1b		
NEIC	IX	09 07 18 08.7–1.6	21.74S–.10	179.4W–.10	586–6	5.0b,5.1b		
IDC	IX	09 07 18 09.2–.37	21.73S	179.43W	594–3	5.6,4.7b		
GFZ	IX	09 07 18 09.1–.36	22S–4.0	179W–4.0	593–6	5.8b,5.5b		
GCMT	IX	09 07 18 10.5–.40	22.04S–.04	179.39W–.03	594–2	5.5W,5.5b		

ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109090718A. Moment Tensor Solution. s79,c105;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.05 $M_{\theta\theta}$-0.43±.08; $M_{\phi\phi}$0.47±.07; $M_{r\theta}$-0.50±.07; $M_{\theta\phi}$-0.44±.07; $M_{\phi r}$-1.68±.06; Best double couple: NP1:ϕ_s112.00000°,δ20.00000°,λ-176.00000°. NP2:ϕ_s18.00000° ,δ89.00000°,λ-71.00000°. Principal axes: T 1.9170,Plg41.0000°,Azm90.0000° ; N -0.1090,Plg19.0000°,Azm197.0000°; P -1.8070,Plg43.0000°,Azm307.0000° $M_0$1.86200×10^{17}

(171) South of Fiji Islands

ISC	**IX**	**10 00 20 59.9–.28**	**26.32S–.05**	**178.48E–.06**	**612**	**4.6b**	**414**	**4-167**
BJI	IX	10 00 19 53.6	25.90S	179.40W	33	5.3b,5.3b		**¶621051051**
GFZ	IX	10 00 20 59.8–.19	26S–3.0	178E–4.0	606	5.2b,4.7b		
IDC	IX	10 00 21 01.1–1.2	26.22S	178.33E	620–13	4.8,3.9b		
NEIC	IX	10 00 21 01.1–1.7	26.24S–.09	178.5E–.10	617–7	4.6b,3.9b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(280) Banda Sea

ISC	**IX**	**11 09 40 11.8–.35**	**7.02S–.04**	**125.06E–.05**	**543–3**	**4.8b**	**398**	**2-150**
GFZ	IX	11 09 40 11.5–.36	7S–7.0	125E–6.0	541–3	5.3b,4.8b		**¶621069780**
IDC	IX	11 09 40 12.3–.73	7.00S	125.08E	545–8	5.1,4.1b		
NEIC	IX	11 09 40 12.0–1.1	6.98S–.09	125.0E–.10	539–3	4.8b,4.1b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(220) Northwest of Kuril Islands

ISC	**IX**	**12 02 32 25.8–.25**	**47.13N–.03**	**146.84E–.03**	**364–1**	**5.0b**	**1507**	**2-154**
BGR	IX	12 02 31 52.0	47.34N	146.98E	375–0	5.9,5.7b		**¶621070396**
BJI	IX	12 02 32 23.2	47.08N	146.74E	347	5.5b,5.3b		
JMA	IX	12 02 32 24.4–.38	47N–2.0	147E–3.0	399	5.3W,5.2		
NIED	IX	12 02 32 24.4	46.52N	147.25E	399	5.4W,5.2		
MOS	IX	12 02 32 24.4–.86	47.14N	146.81E	362	5.3b,3.7s		
SKHL	IX	12 02 32 24.4–.30	47.00N	147.00E	362–6	5.9b,5.9		
NEIC	IX	12 02 32 25.6–1.9	47.19N–.08	146.8E–.10	358–4	5.4,5.0b		
GFZ	IX	12 02 32 25.5–.33	47N–4.0	147E–4.0	355–4	5.2b,5.1b		
IDC	IX	12 02 32 25.8–.58	47.26N	146.74E	362–5	5.4,4.7b		
NEIC	IX	12 02 32 26.3	47.18N	146.77E	366	5.4,4.7b		
NEIC	IX	12 02 32 26.9	47.29N	146.91E	370	5.3,4.7b		
NEIC	IX	12 02 32 26.4	47.19N	146.76E	367	5.3,4.7b		
GCMT	IX	12 02 32 28.0–.20	47.10N–.02	146.62E–.04	361–1	5.4W,4.7b		
KEA	IX	12 02 32 32.8	46.52N	147.66E	507	5.1s,4.7b		

ISC Event type ke.
BGR Event type ke.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.47 $M_{\theta\theta}$0.66 $M_{\phi\phi}$-0.19 $M_{r\theta}$-0.44 $M_{\theta\phi}$0.51 $M_{\phi r}$-1.04 NP1:ϕ_s279.00000°,δ30.00000°,λ-23.00000°. NP2:ϕ_s30.00000° ,δ79.00000°,λ-118.00000°. $M_0$1.37000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=3.9km az=109.3.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.5km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.57 $M_{\theta\theta}$0.37 $M_{\phi\phi}$0.20 $M_{r\theta}$-0.66 $M_{\theta\phi}$0.11 $M_{\phi r}$-1.17 NP1:ϕ_s241.84000°,δ10.79000°,λ-60.25000°. NP2:ϕ_s31.65000°,δ80.65000° ,λ-95.40000°. Principal axes: T 1.3112,Plg35.0000°,Azm126.0000°; N 0.2284,Plg5.0000° ,Azm33.0000°; P -1.5396,Plg54.0000°,Azm295.0000° $M_0$1.44000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=6.3km s-min=5.7km az=151.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-0.14 $M_{r\theta}$-0.45 $M_{\theta\phi}$0.02 $M_{\phi r}$-1.13 NP1:ϕ_s295.82000°,δ6.09000° ,λ3.12000°. NP2:ϕ_s202.72000°,δ89.67000°,λ96.08000°. Principal axes: T 1.1606,Plg45.0000°,Azm119.0000°; N 0.1310,Plg6.0000°,Azm23.0000° ; P -1.2916,Plg44.0000°,Azm287.0000° $M_0$1.23000×10^{17}

NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109120232A. Moment Tensor Solution. s92,c148;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.03 $M_{\theta\theta}$0.43±.04; $M_{\phi\phi}$-0.20±.04; $M_{r\theta}$-0.70±.04; $M_{\theta\phi}$0.30±.04; $M_{\phi r}$-1.14±.03; Best double couple: NP1:ϕ_s287.00000°,δ18.00000°,λ-17.00000°. NP2:ϕ_s33.00000°,δ85.00000°,λ-107.00000°. Principal axes: T 1.4400,Plg38.0000°,Azm138.0000° ; N -0.0330,Plg17.0000°,Azm34.0000°; P -1.4060,Plg47.0000°,Azm285.0000° $M_0$1.42300×10^{17}

(211) Southeast of Honshu

ISC	**IX**	**12 05 32 03.2–.29**	**29.87N–.03**	**139.06E–.04**	**442–2**	**4.8b**	**912**	**3-169**
NIED	IX	12 05 32 01.9	29.97N	139.45E	454	5.0W		**¶621070432**
BJI	IX	12 05 32 01.6	29.95N	139.03E	435	5.2b,5.1b		
MOS	IX	12 05 32 01.6–.73	29.84N	138.89E	432	4.9b,5.1b		
JMA	IX	12 05 32 01.9–.26	30N–1.0	139E–1.0	454–3	5.1,5.0W		
NEIC	IX	12 05 32 02.8–1.1	29.88N–.08	139.1E–.10	432–6	4.7b,5.0W		
GFZ	IX	12 05 32 03.4–.29	30N–3.0	139E–4.0	439–4	5.3b,5.0b		
IDC	IX	12 05 32 04.2–.45	29.92N	138.96E	446–4	5.2,4.4b		
BGR	IX	12 05 32 14.7	31.79N	139.16E	466	4.8b,4.4b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88 $M_{\theta\theta}$0.45 $M_{\phi\phi}$0.43 $M_{r\theta}$3.06 $M_{\theta\phi}$1.21 $M_{\phi r}$-0.12 NP1:ϕ_s14.00000°,δ22.00000°,λ-161.00000°. NP2:ϕ_s266.00000°,δ83.00000°,λ-69.00000°. $M_0$3.37000×10^{16}
MOS Error ellipse: s-maj=7.7km s-min=3.8km az=111.4.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.3km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=8.7km s-min=6.3km az=68.0.
BGR Event type ke.

(181) Fiji Islands region

ISC	**IX**	**13 11 45 12.4–.30**	**18.03S–.06**	**178.32W–.05**	**600**	**4.5b**	**515**	**3-161**
NOU	IX	13 11 45 11.5	17.75S	178.12W	638	4.7b		**¶621071764**
GFZ	IX	13 11 45 12.9–.31	18S–3.0	178W–4.0	597–4	5.0b,4.7b		
NEIC	IX	13 11 45 12.8–1.1	18.0S–.10	178.5W–.10	590–8	4.5b,4.7b		
IDC	IX	13 11 45 14.2–.80	18.05S	178.54W	610–8	4.8,3.9b		

ISC Event type se.
NOU Fiji Islands Region.
GFZ Error ellipse: s-maj=8.7km s-min=5.6km az=127.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=13.7km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.9km s-min=8.8km az=144.0.

(171) South of Fiji Islands

ISC	**IX**	**13 14 43 23.5–.40**	**22.63S–.06**	**178.14W–.07**	**400**	**4.6b**	**219**	**6-152**
NOU	IX	13 14 43 10.6	22.66S	177.07W	331	4.6b		**¶621072362**
NEIC	IX	13 14 43 18.1–2.0	22.65S–.06	177.7W–.10	349–4	4.6b		
GFZ	IX	13 14 43 20.0–.29	23S–4.0	178W–5.0	323	5.1b,4.7b		
IDC	IX	13 14 43 27.6–2.4	22.68S	178.51W	406–23	4.8,4.0b		

ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.1km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=18.5km s-min=15.5km az=89.0.

(211) Southeast of Honshu

ISC	**IX**	**13 22 46 06.6–.20**	**32.48N–.02**	**137.83E–.02**	**378–1**	**5.5b**	**2456**	**1-168**
BGR	IX	13 22 45 22.5	31.50N	139.09E	392–3	6.1,5.8b		**¶621072594**
PTWC	IX	13 22 46 05	32.30N	138.20E	385	5.7,5.8b		
JMA	IX	13 22 46 05.9–.20	32N–1.0	138.0E–.80	385–2	6.0,5.8W		
NIED	IX	13 22 46 05.9	32.46N	138.00E	385	5.9W,5.8W		
MOS	IX	13 22 46 05.3–.79	32.49N	137.85E	375	5.7b,4.9s		
BJI	IX	13 22 46 05.0	32.52N	137.65E	363	5.9b,5.8b		
NEIC	IX	13 22 46 06.4–1.8	32.48N–.07	137.86E–.08	370–1	5.9,5.6b		
IPGP	IX	13 22 46 06.0	32.43N	137.90E	376	5.9W,5.6b		
NEIC	IX	13 22 46 06.7	32.46N	137.87E	376	5.9W,5.6b		
IDC	IX	13 22 46 06.5–.39	32.51N	137.82E	375–3	5.7,4.9b		
GFZ	IX	13 22 46 06.8–.18	32N–1.0	138E–2.0	380–1	5.9b,5.6		
NEIC	IX	13 22 46 06.1	32.45N	137.87E	366	5.9b,5.6		
NEIC	IX	13 22 46 07.3	32.36N	137.99E	370	5.8,5.6		
GFZ	IX	13 22 46 07.1	32.46N	137.81E	384	5.8W,5.6		
GCMT	IX	13 22 46 08.6–.10	32.47N–.01	137.71E–.01	377–0	5.8W,5.6		

ISC Event type ke.
BGR Event type ke.
PTWC IZU ISLANDS, JAPAN REGION.
JMA Event type fe. FAR S OFF TOKAI DISTRICT.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$3.02 $M_{\phi\phi}$-2.16 $M_{r\theta}$0.34 $M_{\theta\phi}$-1.42 $M_{\phi r}$-6.38 NP1:ϕ_s77.00000°,δ22.00000°,λ-178.00000°. NP2:ϕ_s345.00000°,δ89.00000°,λ-68.00000°. $M_0$6.74000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.94 $M_{\theta\theta}$2.14 $M_{\phi\phi}$-1.20 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.57 $M_{\phi r}$-7.79 NP1:ϕ_s82.61000°,δ7.04000°,λ179.68000°. NP2:ϕ_s172.93000°,δ89.96000°,λ82.96000°. Principal axes: T 6.8647,Plg45.0000°,Azm76.0000°; N 1.9953,Plg7.0000°,Azm173.0000°; P -8.8600,Plg45.0000°,Azm270.0000° $M_0$8.05000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s77.00000°,δ14.00000°,λ173.00000°. NP2:ϕ_s173.00000°,δ88.00000°,λ76.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64 $M_{\theta\theta}$3.27 $M_{\phi\phi}$-2.64 $M_{r\theta}$1.26 $M_{\theta\phi}$-1.21 $M_{\phi r}$-5.62 NP1:ϕ_s67.66000°,δ29.04000°,λ-176.23000°. NP2:ϕ_s334.36000°,δ88.17000°,λ-61.02000°. Principal axes: T 5.4590,Plg37.0000°,Azm39.0000°; N 1.8849,Plg29.0000°,Azm153.0000° ; P -7.3440,Plg40.0000°,Azm271.0000° $M_0$6.61000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26 $M_{\theta\theta}$2.83 $M_{\phi\phi}$-2.57 $M_{r\theta}$0.75 $M_{\theta\phi}$-1.18 $M_{\phi r}$-5.41 NP1:ϕ_s159.96102°,δ89.10130°,λ63.95061°. NP2:ϕ_s68.12314°,δ26.06381°,λ177.95423°. Principal axes: T 4.9492,Plg40.2623°,Azm45.9491°; N 2.0204,Plg26.0459°,Azm160.4003° ; P -6.9697,Plg38.6167°,Azm273.3783° $M_0$6.21101×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202109132246A. Moment Tensor Solution. s143,c307; s111,c139;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.58±.04 $M_{\theta\theta}$3.37±.07; $M_{\phi\phi}$-2.79±.07; $M_{r\theta}$0.79±.06; $M_{\theta\phi}$-1.26±.06; $M_{\phi r}$-6.85±.06; Best double couple: NP1:ϕ_s70.00000°,δ23.00000°,λ178.00000°. NP2:ϕ_s162.00000°,δ89.00000°,λ67.00000°. Principal axes: T 6.0160,Plg41.0000°,Azm51.0000°; N 2.6270,Plg23.0000°,Azm162.0000° ; P -8.6390,Plg40.0000°,Azm273.0000° $M_0$7.32700×10^{17}

(171) South of Fiji Islands

ISC	**IX**	**16 19 42 30.4–.48**	**23.72S–.04**	**179.71W–.04**	**516–4**	**5.0b**	**957**	**6-175**
NOU	IX	16 19 42 28.2	23.68S	179.68W	492	5.2b		**¶621080873**
NEIC	IX	16 19 42 30.7–2.2	23.85S–.09	179.67W–.10	512–5	4.9b		
IDC	IX	16 19 42 31.4–.91	23.76S	179.81W	518–8	5.1,4.4b		
BJI	IX	16 19 42 31.5	23.57S	179.28W	541	5.2b,5.1b		
GFZ	IX	16 19 42 32.3–.44	24S–5.0	180W–5.0	536–6	5.4b,5.3b		
GCMT	IX	16 19 42 35.2–.40	23.75S–.04	179.80W–.06	534–3	5.4W,5.3b		

ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109161942A. Moment Tensor Solution. s52,c59;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.37±.05 $M_{\theta\theta}$0.47±.09; $M_{\phi\phi}$-0.09±.09; $M_{r\theta}$-0.10±.10; $M_{\theta\phi}$-0.40±.09; $M_{\phi r}$-1.65±.09; Best double couple: NP1:ϕ_s98.00000°,δ15.00000°,λ-168.00000°. NP2:ϕ_s357.00000°,δ87.00000°,λ-75.00000°. Principal axes: T 1.4740,Plg40.0000°,Azm73.0000° ; N 0.4660,Plg15.0000°,Azm176.0000°; P -1.9400,Plg46.0000°,Azm282.0000° $M_0$1.70700×10^{17}

(265) Minahassa Peninsula, Sulawesi

ISC	**IX**	**18 08 28 55.7–1.4**	**1.5N–.10**	**122.0E–.10**	**450**	**3.3b**	**18**	**1-38**
IDC	IX	18 08 27 52.4–4.2	4.43N	122.57E	0	3.7b,3.7		**¶626358611**
DJA	IX	18 08 28 57.2–1.3	2N–11	122E–8.0	466–14	5.0b,4.4b		

ISC Event type se.

(177) Kermadec Islands region

ISC	**IX**	**20 18 08 18.0–.29**	**31.92S–.04**	**179.79E–.04**	**428–2**	**5.2b**	**1225**	**3-172**
BJI	IX	20 18 08 14.4	31.80S	179.70E	400	5.1b,5.1b		**¶621241021**
NOU	IX	20 18 08 16.0	31.91S	179.80W	441	5.4b,5.1b		
WEL	IX	20 18 08 17.4–.43	32S–4.0	180W–8.0	405–6	6.3,6.0b		
WEL	IX	20 18 08 17.4	31.92S	179.98W	368	6.3L,5.2W		
NEIC	IX	20 18 08 17.6–1.9	31.81S–.09	179.6E–.10	410–4	5.3,5.1b		
MOS	IX	20 18 08 18.6–.82	31.79S	179.54E	432	5.4b,5.1b		
IDC	IX	20 18 08 18.7–.38	31.87S	179.58E	428–3	5.4,4.7b		
GFZ	IX	20 18 08 18.6–.43	32S–4.0	180E–4.0	425–6	5.5b,5.3b		
GCMT	IX	20 18 08 21.3–.20	31.96S–.03	179.52E–.03	425–1	5.3W,5.3b		

ISC Event type se.
NOU Kermadec Islands Region.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL Stations used: BKZ GLKZ HAZ HIZ KHEZ MKAZ MWZ MXZ NTVZ OTVZ OUZ PXZ.
OBLIQUE-NORMAL FAULTING. Moment Tensor Solution. s20 Moment tensor: Scale 10^{16} Nm; M_{rr}-3.92 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$3.92 $M_{r\theta}$1.37 $M_{\theta\phi}$4.20 $M_{\phi r}$-3.78 NP1:ϕ_s1.00000°,δ67.00000°,λ-128.00000°. NP2:ϕ_s245.00000°,δ44.00000°,λ-34.00000°. Principal axes: T 7.1896,Plg14.0000°,Azm118.0000°; N -0.3716,Plg35.0000°,Azm18.0000° ; P -6.8180,Plg52.0000°,Azm226.0000° $M_0$7.01000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109201808A. Moment Tensor Solution. s103,c150;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$-0.10±.04; $M_{\phi\phi}$0.45±.04; $M_{r\theta}$-0.04±.04; $M_{\theta\phi}$0.52±.04; $M_{\phi r}$-1.15±.04; Best double couple: NP1:ϕ_s249.00000°,δ24.00000°,λ-24.00000°. NP2:ϕ_s2.00000°,δ80.00000°,λ-112.00000°. Principal axes: T 1.4050,Plg32.0000°,Azm110.0000° ; N -0.1670,Plg22.0000°,Azm6.0000°; P -1.2390,Plg50.0000°,Azm247.0000° $M_0$1.32200×10^{17}

(173) Tonga Islands

ISC	**IX**	**21 04 42 49.1–.31**	**15.82S–.06**	**175.37W–.05**	**321**	**4.6b**	**313**	**3-151**
BGR	IX	21 04 42 47.9	15.81S	175.07W	300	4.6b		**¶621093593**
BJI	IX	21 04 42 48.4	15.33S	174.85W	327	5.0b,4.7b		
NEIC	IX	21 04 42 49.4–1.4	15.9S–.10	175.31W–.09	321–6	4.6b,4.7b		
NOU	IX	21 04 42 49.3	15.69S	175.26W	351	4.8b,4.7b		
GFZ	IX	21 04 42 50.8–.36	16S–4.0	175W–4.0	329–3	5.2b,4.6b		
IDC	IX	21 04 42 50.0–1.4	15.64S	175.56W	321–14	4.8,4.0b		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=11.7km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=13.2km s-min=10.6km az=135.0.

(177) Kermadec Islands region

ISC	**IX**	**22 19 57 23.4–.25**	**27.67S–.04**	**178.84W–.05**	**350**	**5.0b**	**686**	**2-167**
IDC	IX	22 19 57 22.8–1.3	27.56S	178.89W	339–12	5.1,4.4b		**¶621106349**
BJI	IX	22 19 57 22.9	27.33S	178.45W	356	5.4b,5.2b		
NOU	IX	22 19 57 23.6	27.64S	178.95W	347	5.1b,5.2b		
NEIC	IX	22 19 57 24.0–1.6	27.56S–.09	178.81W–.08	352–6	5.0b,5.2b		
GFZ	IX	22 19 57 25.0–.55	28S–3.0	179W–7.0	368–6	5.2,5.1b		
GCMT	IX	22 19 57 26.0–.20	27.58S–.02	178.77W–.01	348–1	5.4W,5.1b		

ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109221957A. Moment Tensor Solution. s122,c193;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.69±.02 $M_{\theta\theta}$-0.65±.04; $M_{\phi\phi}$1.35±.03; $M_{r\theta}$-0.71±.03; $M_{\theta\phi}$-0.48±.03; $M_{\phi r}$-0.26±.03; Best double couple: NP1:ϕ_s131.00000°,δ58.00000°,λ-148.00000°. NP2:ϕ_s23.00000°,δ63.00000°,λ-36.00000°. Principal axes: T 1.4620,Plg3.0000°,Azm78.0000° ; N 0.0220,Plg46.0000°,Azm171.0000°; P -1.4820,Plg44.0000°,Azm346.0000° $M_0$1.47200×10^{17}

(262) Celebes Sea

ISC	**IX**	**23 03 52 40.8–.27**	**3.62N–.04**	**122.76E–.05**	**550**	**4.5b**	**321**	**3-150**
MAN	IX	23 03 52 38.2	3.37N	122.62E	535	5.3b,4.4s		**¶621106384**
GFZ	IX	23 03 52 40.0–.14	4N–2.0	123E–2.0	533	7.8,7.4		
DJA	IX	23 03 52 40.6–.20	4N–3.0	123E–2.0	528–3	5.8,5.7		
NEIC	IX	23 03 52 41.0–1.9	3.54N–.06	122.60E–.09	541–6	4.5b,5.7		
IDC	IX	23 03 52 41.5–.74	3.60N	122.78E	556–8	4.5,3.5b		

ISC Event type fe.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.0km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.6km s-min=5.9km az=70.0.

(171) South of Fiji Islands

ISC	**IX**	**23 08 36 13.0–.51**	**22.34S–.05**	**179.28W–.06**	**553–4**	**4.7b**	**426**	**5-171**
NOU	IX	23 08 36 10.2	22.41S	178.94W	549	4.9b		**¶621106393**
NEIC	IX	23 08 36 12.0–1.7	22.3S–.10	179.1W–.10	538–7	4.6b		
GFZ	IX	23 08 36 12.6–.35	22S–3.0	179W–3.0	549–4	5.2b,4.8b		
IDC	IX	23 08 36 13.1–.81	22.27S	179.35W	550–7	4.8,3.9b		

ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=15.1km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.6km s-min=5.6km az=83.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=9.9km s-min=9.0km az=105.0.

(262) Celebes Sea

ISC	**IX**	**23 21 15 01.1–1.1**	**2.9N–.10**	**122.9E–.20**	**489**	**3.7b**	**13**	**4-56**
IDC	IX	23 21 14 14.8–2.2	3.65N	123.78E	0	3.8b,3.8		**¶621125884**
MAN	IX	23 21 14 59.0	2.60N	122.41E	424	5.4b,4.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=314.5km s-min=26.4km az=63.0.
MAN Event type fe.

(211) Southeast of Honshu

ISC	**IX**	**24 16 40 14.4–.60**	**29.69N–.05**	**139.03E–.06**	**413–5**	**4.4b**	**366**	**3-154**
JMA	IX	24 16 40 13.0–.37	30N–1.0	139E–2.0	438–4	3.9		**¶621109745**
GFZ	IX	24 16 40 14.1–.35	30N–6.0	139E–5.0	426	5.1b,4.5b		
IDC	IX	24 16 40 15.2–.93	29.70N	138.94E	420–9	4.7,3.9b		
NEIC	IX	24 16 40 15.3–1.9	29.71N–.09	138.9E–.10	414–6	4.3b,3.9b		

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(171) South of Fiji Islands

ISC	**IX**	**25 13 46 32.2–.39**	**26.12S–.04**	**178.42E–.04**	**636–3**	**4.8b**	**608**	**4-167**
NOU	IX	25 13 46 30.4	26.03S	178.66E	655	5.1b		**¶621109928**
BJI	IX	25 13 46 30.6	26.13S	178.95E	653	4.9b,4.8b		
GFZ	IX	25 13 46 31.7–.35	26S–4.0	178E–6.0	641–8	5.4b,5.1b		
NEIC	IX	25 13 46 31.4–2.2	26.15S–.10	178.4E–.10	620–6	4.8b,5.1b		
IDC	IX	25 13 46 32.1–.57	26.15S	178.26E	627–5	5.1,4.1b		

GCMT IX 25 13 46 32.5–.60 26.45S–.07 178.33E–.05 634–4 5.3W,4.1b
ISC Event type se.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109251346A. Moment Tensor Solution. s54,c60;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22±.05 $M_{\theta\theta}$0.56±.07; $M_{\phi\phi}$-0.78±.07; $M_{r\theta}$-0.30±.05; $M_{\theta\phi}$-0.41±.08; $M_{\phi r}$-0.64±.06; Best double couple: NP1:ϕ_s326.00000°,δ52.00000°,λ1.00000°. NP2:ϕ_s235.00000°,δ90.00000°,λ142.00000°. Principal axes: T 0.7390,Plg26.0000°,Azm183.0000° ; N 0.4930,Plg52.0000°,Azm55.0000°; P -1.2320,Plg26.0000°,Azm287.0000° $M_0$0.98500×10^{17}

(171) South of Fiji Islands

ISC	**IX**	**28 17 27 01.3–.61**	**24.59S–.04**	**178.83W–.06**	**364–5**	**4.8b**	**574**	**5-169**
NOU	IX	28 17 26 55.0	24.33S	177.21W	436	5.2b		**¶621239827**
GFZ	IX	28 17 27 00.6–.44	25S–2.0	179W–2.0	348–4	4.9b,4.7b		
NEIC	IX	28 17 27 01.0–1.7	24.53S–.08	178.85W–.09	353–5	4.9b,4.7b		
IDC	IX	28 17 27 02.9–1.4	24.45S	178.95W	372–12	4.7,4.0b		

ISC Event type se.
NOU South of Fiji Islands.
GFZ Error ellipse: s-maj=5.5km s-min=4.7km az=131.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.0km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.7km s-min=10.5km az=111.0.

(171) South of Fiji Islands

ISC	**IX**	**28 19 41 03.5–.46**	**22.49S–.05**	**179.57E–.05**	**582–5**	**4.8b**	**775**	**5-170**
BJI	IX	28 19 41 00.0	22.50S	179.70E	548	4.9b,4.8b		**¶621112329**
NOU	IX	28 19 41 02.4	22.26S	179.93E	621	5.0b,4.8b		
NEIC	IX	28 19 41 03.5–1.9	22.41S–.08	179.6E–.10	574–4	4.8b,4.8b		
GFZ	IX	28 19 41 03.9–.42	22S–4.0	180E–8.0	588–8	5.3b,4.9b		
IDC	IX	28 19 41 03.5–.62	22.38S	179.45E	572–6	4.9,4.1b		
GCMT	IX	28 19 41 06.5–.70	22.32S–.06	179.67E–.06	590–3	5.2W,4.1b		

ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109281941A. Moment Tensor Solution. s51,c61;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.83±.34 $M_{\theta\theta}$1.23±.53; $M_{\phi\phi}$0.60±.57; $M_{r\theta}$-8.55±.45; $M_{\theta\phi}$0.53±.52; $M_{\phi r}$-2.22±.58; Best double couple: NP1:ϕ_s235.00000°,δ6.00000°,λ-110.00000°. NP2:ϕ_s75.00000° ,δ85.00000°,λ-88.00000°. Principal axes: T 8.7990,Plg40.0000°,Azm163.0000° ; N 0.3820,Plg2.0000°,Azm255.0000°; P -9.1800,Plg50.0000°,Azm347.0000° $M_0$8.99000×10^{16}

(181) Fiji Islands region

ISC	**IX**	**29 07 23 40.4–.47**	**18.38S–.06**	**177.71W–.04**	**507–5**	**4.8b**	**579**	**4-175**
NEIC	IX	29 07 23 40.3–2.0	18.3S–.10	177.74W–.09	500–5	4.8b		**¶621239830**
NOU	IX	29 07 23 40.2	18.66S	177.69W	533	5.0b		
GFZ	IX	29 07 23 41.4–.38	18S–3.0	178W–2.0	509–4	5.1b,4.7b		
IDC	IX	29 07 23 41.5–.83	18.41S	177.84W	514–8	5.0,4.2b		
GCMT	IX	29 07 23 44.4–.40	18.22S–.06	177.96W–.04	519–3	5.2W,4.2b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109290723A. Moment Tensor Solution. s52,c64;Duration: 0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54±.04 $M_{\theta\theta}$0.07±.08; $M_{\phi\phi}$0.47±.06; $M_{r\theta}$-0.71±.07; $M_{\theta\phi}$-0.08±.06; $M_{\phi r}$0.10±.07; Best double couple: NP1:ϕ_s351.00000°,δ25.00000°,λ-40.00000°. NP2:ϕ_s118.00000° ,δ74.00000°,λ-110.00000°. Principal axes: T 0.6280,Plg27.0000°,Azm224.0000° ; N 0.3840,Plg19.0000°,Azm124.0000°; P -1.0110,Plg57.0000°,Azm3.0000° $M_0$0.82000×10^{17}

(660) Sea of Japan

ISC	**IX**	**29 08 37 05.5–.18**	**38.87N–.02**	**135.42E–.02**	**369–1**	**5.8b**	**2872**	**2-170**
BJI	IX	29 08 37 03.0	38.90N	135.55E	370	6.2b,6.2b		**¶626513349**
JMA	IX	29 08 37 04.6–.19	38.8N–.90	136E–1.0	394–2	6.2W,6.1		
MOS	IX	29 08 37 04.6–.82	38.90N	135.47E	380	6.2b,5.2s		
NIED	IX	29 08 37 04.6	38.80N	135.65E	394	6.2W,5.2s		
GFZ	IX	29 08 37 05.6–.20	39N–2.0	135E–2.0	366–2	6.1b,6.0b		
IDC	IX	29 08 37 05.6–.34	38.86N	135.38E	368–3	6.2,5.5b		
GFZ	IX	29 08 37 05.6	38.75N	135.59E	365	6.1W,5.5b		
NEIC	IX	29 08 37 05.6–1.7	38.89N–.06	135.45E–.08	364–1	6.2,5.8b		
NEIC	IX	29 08 37 05.3	38.92N	135.40E	360	6.2,5.8b		
NEIC	IX	29 08 37 05.3	38.92N	135.40E	360	6.2,5.8b		
PTWC	IX	29 08 37 05	38.80N	135.60E	401	5.8,5.8b		
IPGP	IX	29 08 37 05.0	38.87N	135.46E	370	6.2W,5.8b		
GCMT	IX	29 08 37 08.1–.10	38.91N–.01	135.22E–.01	371–0	6.2W,5.8b		
BGR	IX	29 08 37 09.3	39.45N	135.60E	362	6.9,6.7b		
NEIC	IX	29 08 37 11.9	38.92N	135.40E	360	6.1,6.7b		

ISC Event type ke.
JMA Event type fe. SEA OF JAPAN .
MOS Error ellipse: s-maj=5.9km s-min=4.3km az=104.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.89 $M_{\theta\theta}$0.20 $M_{\phi\phi}$0.69 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.82 $M_{\phi r}$-1.58 NP1:ϕ_s243.00000°,δ21.00000°,λ-47.00000°. NP2:ϕ_s18.00000° ,δ75.00000°,λ-105.00000°. $M_0$2.00000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=5.8km s-min=4.8km az=76.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.21 $M_{\phi\phi}$0.45 $M_{r\theta}$-0.56 $M_{\theta\phi}$0.65 $M_{\phi r}$-1.72 NP1: ϕ_s247.84144°,δ16.60710°,λ-42.45603°. NP2:ϕ_s19.08432°,δ78.87637°,λ-102.40993°. Principal axes: T 2.0930,Plg32.7648°,Azm119.4955°; N -0.1738,Plg12.1732°,Azm21.5152° ; P -1.9192,Plg54.4917°,Azm273.9175° $M_0$2.01171×10^{18}
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.8km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.86 $M_{\theta\theta}$0.44 $M_{\phi\phi}$0.42 $M_{r\theta}$-0.93 $M_{\theta\phi}$0.46 $M_{\phi r}$-2.15 NP1:ϕ_s241.93000°,δ11.96000°,λ-53.71000°. NP2:ϕ_s25.04000°,δ80.38000° ,λ-97.15000°. Principal axes: T 2.4532,Plg35.0000°,Azm121.0000°; N 0.0906,Plg7.0000° ,Azm26.0000°; P -2.5438,Plg54.0000°,Azm286.0000° $M_0$2.50000×10^{18}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s262.00000°,δ14.00000°,λ-31.00000°. NP2:ϕ_s21.00000° ,δ83.00000°,λ-102.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202109290837B. Moment Tensor Solution. s159,c397; s139,c220;Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.65±.01 $M_{\theta\theta}$0.26±.01; $M_{\phi\phi}$0.38±.01; $M_{r\theta}$-0.64±.01; $M_{\theta\phi}$0.65±.01; $M_{\phi r}$-1.92±.01; Best double couple: NP1:ϕ_s252.00000°,δ15.00000°,λ-39.00000°. NP2:ϕ_s20.00000°,δ80.00000°,λ-102.00000°. Principal axes: T 2.2670,Plg34.0000°,Azm120.0000°; N -0.1400,Plg12.0000°,Azm22.0000° ; P -2.1270,Plg53.0000°,Azm275.0000° $M_0$2.19700×10^{18}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 5s1.0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.59 $M_{\theta\theta}$0.20 $M_{\phi\phi}$0.39 $M_{r\theta}$-0.62 $M_{\theta\phi}$0.43 $M_{\phi r}$-1.69 NP1:ϕ_s240.72000°,δ12.30000° ,λ-51.02000°. NP2:ϕ_s21.09000°,δ80.47000°,λ-97.81000°. Principal axes: T 1.9543,Plg35.0000°,Azm118.0000°; N -0.0669,Plg8.0000°,Azm22.0000° ; P -1.8873,Plg54.0000°,Azm282.0000° $M_0$1.92000×10^{18}

(185) Vanuatu Islands region

ISC	**X**	**02 06 29 18.6–.16**	**21.11S–.03**	**174.95E–.02**	**541–1**	**6.4b**	**2718**	**4-170**
BJI	X	02 06 29 15.9	21.10S	175.00E	530	6.8b,6.4b		**¶621116405**
PTWC	X	02 06 29 16	20.90S	174.90E	486	7.2,6.4b		
NEIC	X	02 06 29 17.9–1.4	21.13S–.09	174.90E–.09	527–1	7.3,6.4b		
MOS	X	02 06 29 17.9–.93	21.06S	174.87E	538	6.5b,6.4b		
NOU	X	02 06 29 18.3	21.07S	174.88E	530	6.7,6.4b		
IDC	X	02 06 29 18.6–.33	21.14S	174.90E	540–3	6.5,5.6b		
GFZ	X	02 06 29 18.6–.29	21S–2.0	175E–2.0	525–3	6.8b,6.7		
GFZ	X	02 06 29 18.4	21.05S	174.75E	529	7.2W,6.7		
NEIC	X	02 06 29 18.5	21.09S	174.90E	533	7.2W,6.7		
IPGP	X	02 06 29 18.0	21.10S	174.90E	548	7.3W,6.7		
NEIC	X	02 06 29 19.4	21.09S	174.90E	545	7.3W,6.7		
GCMT	X	02 06 29 24.9–.10	21.14S–.01	174.66E–.01	545–0	7.3W,6.7		
NEIC	X	02 06 29 39.3	21.19S	174.79E	560	7.3,6.7		

ISC Event type se.
PTWC VANUATU REGION.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=14.4km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-4.14 $M_{\theta\theta}$6.14 $M_{\phi\phi}$-2.00 $M_{r\theta}$-1.90 $M_{\theta\phi}$4.42 $M_{\phi r}$-6.11 NP1:ϕ_s281.41000°,δ41.07000°,λ-26.13000°. NP2:ϕ_s31.71000°,δ73.18000° ,λ-128.04000°. Principal axes: T 9.5468,Plg19.0000°,Azm149.0000°; N -0.1384,Plg36.0000° ,Azm44.0000°; P -9.4084,Plg48.0000°,Azm262.0000° $M_0$9.48000×10^{19}
MOS Error ellipse: s-maj=6.9km s-min=6.4km az=86.9.
NOU Vanuatu Islands Region.
IDC Error ellipse: s-maj=6.4km s-min=6.0km az=40.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-4.27 $M_{\theta\theta}$6.35 $M_{\phi\phi}$-2.08 $M_{r\theta}$-1.11 $M_{\theta\phi}$4.20 $M_{\phi r}$-4.82 NP1: ϕ_s33.78262°,δ69.07118°,λ-132.29074°. NP2:ϕ_s282.34298°,δ46.29579°,λ-29.61178°. Principal axes: T 8.7811,Plg13.6495°,Azm153.0993°; N -0.4316,Plg38.9394°,Azm51.7831° ; P -8.3495,Plg47.8294°,Azm258.6500° $M_0$8.57344×10^{19}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s285.00000°,δ40.00000°,λ-29.00000°. NP2:ϕ_s38.00000° ,δ72.00000°,λ-126.00000°.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=150s. Triangular moment-rate function. ID: C202110020629A. Moment Tensor Solution. s169,c491; s167,c437;Duration: 10s7 Moment tensor: Scale 10^{20}Nm; M_{rr}-0.53±.00 $M_{\theta\theta}$0.77±.00; $M_{\phi\phi}$-0.23±.00; $M_{r\theta}$-0.17±.00; $M_{\theta\phi}$0.52±.00; $M_{\phi r}$-0.62±.00; Best double couple: NP1:ϕ_s282.00000°,δ44.00000°,λ-29.00000°. NP2:ϕ_s34.00000°,δ70.00000°,λ-130.00000°. Principal axes: T 1.0970,Plg15.0000°,Azm152.0000°; N -0.0580,Plg37.0000°,Azm50.0000° ; P -1.0400,Plg49.0000°,Azm260.0000° $M_0$1.06800×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 21s8 Moment tensor: Scale 10^{20}Nm; M_{rr}-0.62 $M_{\theta\theta}$0.80 $M_{\phi\phi}$-0.18 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.59 $M_{\phi r}$-0.55 NP1:ϕ_s277.93000°,δ46.83000° ,λ-34.72000°. NP2:ϕ_s33.29000°,δ65.45000°,λ-131.23000°. Principal axes: T 1.1366,Plg11.0000°,Azm152.0000°; N -0.1052,Plg37.0000°,Azm53.0000° ; P -1.0315,Plg51.0000°,Azm255.0000° $M_0$1.09000×10^{20}

(112) Peru-Brazil border region

ISC	**X**	**02 12 52 34.6–.19**	**9.63S–.03**	**71.21W–.03**	**606–1**	**5.7b**	**2229**	**2-178**
VAO	X	02 12 52 33.7–.19	9.57S	71.20W	596	5.6b		**¶621630026**
GFZ	X	02 12 52 34.7	9.57S	71.18W	629	5.9W		
GFZ	X	02 12 52 34.7–.18	10S–1.0	71W–2.0	592–2	5.8b,5.8		
NEIC	X	02 12 52 34.1–1.4	9.59S–.08	71.16W–.10	589–1	6.0,5.8b		
NEIC	X	02 12 52 34.5	9.60S	71.17W	589	6.0,5.8b		
MOS	X	02 12 52 34.6–.91	9.58S	71.28W	607	5.8b,5.8b		
BJI	X	02 12 52 34.5	9.60S	71.20W	600	5.7b,5.8b		
NEIC	X	02 12 52 34.6	9.60S	71.20W	591	5.7b,5.8b		
GCG	X	02 12 52 35.4–2.0	9.62S	70.56W	666–379	5.7b,5.8b		
OSUNB	X	02 12 52 35.6–.20	9.79S	71.16W	620–2	5.5b,5.8b		
IDC	X	02 12 52 35.1–.26	9.52S	71.20W	606–2	5.8,4.9b		
GCMT	X	02 12 52 37.6–.20	9.51S–.02	71.24W–.02	609–2	5.9W,4.9b		
NEIC	X	02 12 52 40	9.60S	71.27W	590	5.9,4.9b		

ISC Event type ke.
VAO Event type se. Error ellipse: s-maj=2.8km s-min=3.0km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-7.92 $M_{\theta\theta}$0.73 $M_{\phi\phi}$7.19 $M_{r\theta}$-0.74 $M_{\theta\phi}$-2.55 $M_{\phi r}$0.83 NP1: ϕ_s157.75974°,δ48.72349°,λ-94.08183°. NP2:ϕ_s343.93369°,δ41.44181°,λ-85.36398°. Principal axes: T 8.1420,Plg3.6461°,Azm250.6507°; N -0.1312,Plg3.0665°,Azm160.4551° ; P -8.0108,Plg85.2331°,Azm30.4821° $M_0$8.07721×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=12.9km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.10 $M_{\theta\theta}$0.21 $M_{\phi\phi}$0.90 $M_{r\theta}$-0.17 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.04 NP1:ϕ_s342.75000°,δ42.67000°,λ-79.97000°. NP2:ϕ_s149.22000° ,δ48.13000°,λ-99.12000°. Principal axes: T 1.0724,Plg3.0000°,Azm246.0000° ; N 0.0537,Plg7.0000°,Azm155.0000°; P -1.1260,Plg83.0000°,Azm358.0000° $M_0$1.10000×10^{18}
NEIC Event type se.
MOS Error ellipse: s-maj=7.9km s-min=5.3km az=82.0.
NEIC Event type se.
GCG Event type se. Error ellipse: s-maj=206.2km s-min=350.4km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=0.0.
IDC Error ellipse: s-maj=7.9km s-min=6.1km az=73.0.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110021252A. Moment Tensor Solution. s127,c189;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.08±.02 $M_{\theta\theta}$0.29±.04; $M_{\phi\phi}$0.78±.05; $M_{r\theta}$-0.05±.05; $M_{\theta\phi}$-0.38±.04; $M_{\phi r}$0.03±.05; Best double couple: NP1:ϕ_s333.00000°,δ44.00000°,λ-88.00000°. NP2:ϕ_s150.00000° ,δ47.00000°,λ-92.00000°. Principal axes: T 0.9940,Plg1.0000°,Azm241.0000° ; N 0.0840,Plg2.0000°,Azm151.0000°; P -1.0820,Plg88.0000°,Azm16.0000° $M_0$1.03800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-9.24 $M_{\theta\theta}$0.27 $M_{\phi\phi}$8.96 $M_{r\theta}$-1.05 $M_{\theta\phi}$-2.87 $M_{\phi r}$0.40 NP1:ϕ_s349.06000°,δ43.23000° ,λ-81.53000°. NP2:ϕ_s157.50000°,δ47.36000°,λ-97.89000°. Principal axes: T 9.8522,Plg2.0000°,Azm253.0000°; N -0.5005,Plg6.0000°,Azm163.0000° ; P -9.3516,Plg84.0000°,Azm3.0000° $M_0$9.61000×10^{17}

(171) South of Fiji Islands

ISC	**X**	**04 18 32 03.7–.32**	**23.66S–.04**	**179.31E–.05**	**536–3**	**4.9b**	**551**	**6-164**
NOU	X	04 18 32 02.9	23.54S	179.63E	553	5.1b		**¶621118335**
NEIC	X	04 18 32 02.8–1.7	23.63S–.09	179.4E–.10	528–6	4.9b		
GFZ	X	04 18 32 04.0–.36	24S–3.0	179E–3.0	525–4	5.4b,4.9b		
IDC	X	04 18 32 04.0–.41	23.61S	179.12E	532–3	4.8,3.9b		

ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.0km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=7.0km s-min=5.6km az=144.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=10.4km s-min=8.9km az=128.0.

(262) Celebes Sea

ISC	**X**	**05 08 51 08.5–.30**	**2.74N–.04**	**122.36E–.05**	**550**	**4.5b**	**367**	**2-157**
MAN	X	05 08 51 05.0	2.53N	122.39E	557	5.5b,4.8s		**¶621122778**
DJA	X	05 08 51 07.8–.10	3N–2.0	122E–2.0	532–2	5.2,5.0b		
NEIC	X	05 08 51 08.6–1.8	2.75N–.09	122.3E–.10	543–8	4.5b,5.0b		
GFZ	X	05 08 51 08.2–.18	3N–3.0	122E–4.0	535	5.2b,4.6		
IDC	X	05 08 51 09.3–.93	2.71N	122.34E	560–11	4.5,3.6b		

ISC Event type fe.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=12.8km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=14.9km s-min=6.3km az=69.0.

(230) Near south coast of eastern Honshu

ISC	**X**	**06 21 23 29.7–.69**	**33.19N–.09**	**137.96E–.08**	**341**	**3.7b**	**60**	**1-79**
IDC	X	06 21 23 29.4–.52	33.16N	137.93E	334–7	4.0,3.3b		**¶621126653**
GFZ	X	06 21 23 29.5–.56	33N–7.0	138E–5.0	338–4	5.3b,5.3		
JMA	X	06 21 23 29.0–.17	33N–1.0	138.0E–.70	338–1	3.4,5.3		

ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.

(181) Fiji Islands region

ISC	**X**	**08 04 43 12.5–.38**	**17.70S–.07**	**178.23W–.06**	**500**	**4.2b**	**165**	**3-150**
GFZ	X	08 04 43 09.4–.54	18S–4.0	178W–5.0	482–10	5.8b,5.3		**¶621134160**
NEIC	X	08 04 43 12.2–1.7	17.8S–.10	178.3W–.10	485–7	4.2b,5.3		
IDC	X	08 04 43 14.1–.92	17.75S	178.46W	506–8	4.5,3.7b		

ISC Event type se.
GFZ Error ellipse: s-maj=10.3km s-min=8.4km az=87.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=14.8km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.1km s-min=10.7km az=152.0.

(220) Northwest of Kuril Islands

ISC	**X**	**09 07 19 27.3–.23**	**49.95N–.03**	**149.96E–.03**	**449–1**	**5.3b**	**2066**	**4-157**
BGR	X	09 07 18 39.9	48.99N	149.96E	33	5.8b		**¶621143711**
KRSC	X	09 07 19 23.5–1.5	49.73N	150.13E	456–24	6.2L		
NIED	X	09 07 19 24.3	49.22N	150.91E	496	5.7W		
BJI	X	09 07 19 25.3	49.86N	149.89E	441	5.4b,5.3b		
MOS	X	09 07 19 25.6–.80	49.96N	149.96E	445	5.4b,5.3b		
SKHL	X	09 07 19 25.1–.30	49.80N	150.30E	480–20	6.6s,6.5		
PTWC	X	09 07 19 26	49.90N	150.10E	446	5.7,6.5		
GFZ	X	09 07 19 26.7–.30	50N–2.0	150E–2.0	433–3	5.6b,5.5		
IDC	X	09 07 19 27.5–.33	50.01N	149.85E	445–3	5.6,4.7b		
NEIC	X	09 07 19 27.7–1.5	50.04N–.09	149.9E–.10	448–5	5.5b,4.7b		
NEIC	X	09 07 19 27.4	50.05N	149.84E	442	5.5b,4.7b		
GCMT	X	09 07 19 27.9–.10	49.96N–.02	149.90E–.02	446–1	5.6W,4.7b		
GFZ	X	09 07 19 28.2	50.00N	149.81E	451	5.6W,4.7b		
NEIC	X	09 07 19 28	49.75N	150.15E	450	5.6,4.7b		

ISC Event type ke.
BGR Event type ke.
KRSC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.43 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$3.20 $M_{r\theta}$1.63 $M_{\theta\phi}$-0.46 $M_{\phi r}$2.09 NP1:ϕ_s327.00000°,δ35.00000°,λ-139.00000°. NP2:ϕ_s202.00000°,δ68.00000°,λ-62.00000°. $M_0$3.95000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=59.1.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=6.2km s-min=4.5km az=141.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=12.0km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110090719A. Moment Tensor Solution. s126,c222;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79±.04 $M_{\theta\theta}$-0.70±.06; $M_{\phi\phi}$1.49±.06; $M_{r\theta}$-1.90±.06; $M_{\theta\phi}$-2.78±.05; $M_{\phi r}$0.34±.06; Best double couple: NP1:ϕ_s9.00000°,δ55.00000°,λ-10.00000°. NP2:ϕ_s105.00000°,δ82.00000°,λ-145.00000°. Principal axes: T 3.8090,Plg17.0000°,Azm232.0000° ; N -0.4050,Plg54.0000°,Azm116.0000°; P -3.4020,Plg30.0000°,Azm332.0000° $M_0$3.60600×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.34 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.95 $M_{r\theta}$-1.32 $M_{\theta\phi}$-2.35 $M_{\phi r}$0.16 NP1:ϕ_s100.78813°,δ85.29080°,λ-151.13811°. NP2:ϕ_s8.19728°,δ61.24466°,λ-5.37345°. Principal axes: T 2.9116,Plg16.3865°,Azm230.9908°; N -0.1753,Plg60.7891°,Azm109.2603° ; P -2.7363,Plg23.4670°,Azm328.3252° $M_0$2.82807×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$0.86 $M_{r\theta}$-1.34 $M_{\theta\phi}$-2.17 $M_{\phi r}$0.46 NP1:ϕ_s5.19000°,δ54.04000°,λ-10.48000°. NP2:ϕ_s101.38000°,δ81.54000°,λ-143.59000°. Principal axes: T 3.0008,Plg18.0000°,Azm228.0000°; N -0.7051,Plg53.0000°,Azm113.0000° ; P -2.2957,Plg31.0000°,Azm330.0000° $M_0$2.72000×10^{17}

(185) Vanuatu Islands region

ISC	**X**	**09 10 58 30.0–.17**	**21.24S–.02**	**174.52E–.02**	**512–1**	**6.4b**	**3192**	**5-170**
BGR	X	09 10 57 33.8	21.84S	175.74E	33	6.4b		**¶621143769**
BJI	X	09 10 58 26.8	21.10S	174.60E	500	6.1b,5.8b		
IPGP	X	09 10 58 28.0	21.17S	174.54E	526	7.1W,5.8b		
GFZ	X	09 10 58 29.7	21.18S	174.46E	535	6.8W,5.8b		
IDC	X	09 10 58 30.0–.37	21.23S	174.52E	511–3	6.6,5.7b		
NEIC	X	09 10 58 29.9	21.12S	174.55E	503	6.6,5.7b		
GFZ	X	09 10 58 29.7–.30	21S–2.0	174E–2.0	498–3	6.6b,6.5		
PTWC	X	09 10 58 30	21.10S	174.50E	524	7.0,6.5		
NOU	X	09 10 58 30.3	21.18S	174.46E	507	6.1,6.5		
NEIC	X	09 10 58 30.7	21.18S	174.53E	518	6.1,6.5		
MOS	X	09 10 58 30.2–1.3	21.13S	174.42E	512	6.5b,6.5		
NEIC	X	09 10 58 32.0–1.3	21.19S–.09	174.52E–.09	535–1	6.9,6.4b		
GCMT	X	09 10 58 35.9–.10	21.31S	174.38E	532–0	6.9W,6.4b		
NEIC	X	09 10 58 40.9	21.02S	174.44E	530	6.9,6.4b		

ISC Event type ke.
BGR Event type ke.
IPGP Moment Tensor Solution. NP1:ϕ_s253.00000°,δ69.00000°,λ16.00000°. NP2:ϕ_s158.00000°,δ76.00000°,λ158.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.22 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$1.40 $M_{r\theta}$-0.25 $M_{\theta\phi}$1.55 $M_{\phi r}$-0.96 NP1:ϕ_s155.54255°,δ76.36660°,λ160.35747°. NP2:ϕ_s250.35148°,δ70.93266°,λ14.44150°. Principal axes: T 2.4828,Plg23.4325°,Azm112.0795°; N -0.1983,Plg66.2443°,Azm302.1020° ; P -2.2845,Plg3.6881°,Azm203.6804° $M_0$2.38986×10^{19}
IDC Error ellipse: s-maj=8.8km s-min=7.4km az=88.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PTWC VANUATU REGION.
NOU Vanuatu Islands Region.
NEIC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=6.3km az=100.2.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=14.2km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.28 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$1.31 $M_{r\theta}$-0.43 $M_{\theta\phi}$1.67 $M_{\phi r}$-1.55 NP1:ϕ_s254.20000°,δ63.90000°,λ17.78000°. NP2:ϕ_s156.17000°,δ74.08000°,λ152.77000°. Principal axes: T 3.0037,Plg30.0000°,Azm113.0000°; N -0.6145,Plg59.0000°,Azm308.0000°; P -2.3893,Plg7.0000°,Azm207.0000° $M_0$2.75000×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202110091058A. Moment Tensor Solution. s168,c469; s163,c397;Duration: 7s0 Moment tensor: Scale 10^{19}Nm; M_{rr}0.25±.01 $M_{\theta\theta}$-1.99±.01; $M_{\phi\phi}$1.73±.01; $M_{r\theta}$-0.35±.01; $M_{\theta\phi}$1.80±.01; $M_{\phi r}$-1.32±.01; Best double couple: NP1:ϕ_s250.00000°,δ69.00000°,λ16.00000°. NP2:ϕ_s154.00000°,δ75.00000°,λ159.00000°. Principal axes: T 3.1020,Plg25.0000°,Azm111.0000°; N -0.3810,Plg64.0000°,Azm301.0000° ; P -2.7300,Plg4.0000°,Azm203.0000° $M_0$2.91600×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 11s6 Moment tensor: Scale 10^{19}Nm; M_{rr}0.28 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$1.69 $M_{r\theta}$-0.71 $M_{\theta\phi}$1.66 $M_{\phi r}$-0.88 NP1:ϕ_s153.73000°,δ68.33000°,λ168.15000°. NP2:ϕ_s248.17000°,δ79.00000°,λ22.10000°. Principal axes: T 2.7965,Plg23.0000°,Azm113.0000°; N -0.1445,Plg65.0000°,Azm273.0000° ; P -2.6520,Plg7.0000°,Azm19.0000° $M_0$2.73000×10^{19}

(181) Fiji Islands region

ISC	**X**	**10 07 47 06.5–.44**	**19.92S–.06**	**177.46W–.07**	**400**	**4.4b**	**136**	**5-150**
GFZ	X	10 07 47 04.2–.73	20S–4.0	178W–6.0	366–10	5.9b,5.5		**¶621144145**
NEIC	X	10 07 47 05.4–.96	19.9S–.10	177.6W–.10	372–10	4.3b,5.5		
IDC	X	10 07 47 10.2–1.6	19.92S	177.82W	419–16	4.3,3.4b		

ISC Event type se.
GFZ Error ellipse: s-maj=12.9km s-min=8.5km az=94.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=16.1km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=12.0km az=150.0.

(262) Celebes Sea

ISC	**X**	**10 11 32 35.7–.31**	**3.38N–.05**	**123.00E–.06**	**545**	**4.5b**	**279**	**2-125**
BJI	X	10 11 32 32.9	3.09N	123.14E	547	5.0b,4.8b		**¶621144248**
GFZ	X	10 11 32 35.7–.14	3N–2.0	123E–3.0	544–2	4.9b,4.3b		
NEIC	X	10 11 32 36.4–1.4	3.38N–.04	123.0E–.10	548–9	4.6b,4.3b		
IDC	X	10 11 32 36.7–.88	3.33N	122.99E	557–10	4.6,3.7b		
DJA	X	10 11 32 37.8–.60	3N–5.0	123E–3.0	520–6	5.2b,4.8		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(185) Vanuatu Islands region

ISC	**X**	**12 06 04 10.3–.30**	**21.35S–.04**	**174.51E–.04**	**525–3**	**5.3b**	**1076**	**5-169**
BGR	X	12 06 03 10.6	22.83S	175.85E	33	5.3b		**¶621630051**
BJI	X	12 06 04 09.2	21.01S	174.74E	518	5.3b,5.2b		
IDC	X	12 06 04 10.7–.45	21.40S	174.40E	523–4	5.6,4.7b		
NEIC	X	12 06 04 10.7–.94	21.39S–.09	174.45E–.10	519–7	5.3b,4.7b		
GFZ	X	12 06 04 10.6–.38	21S–4.0	174E–3.0	517–7	5.8b,5.5b		
GFZ	X	12 06 04 10.8	21.35S	174.42E	519	5.4W,5.5b		
NOU	X	12 06 04 10.1	21.31S	174.47E	519	5.5b,5.5b		
MOS	X	12 06 04 10.2–.91	21.40S	174.42E	527	5.1b,5.5b		
NEIC	X	12 06 04 11.5	21.08S	174.35E	520	5.4,5.5b		
NEIC	X	12 06 04 11	21.38S	174.46E	518	5.4,5.5b		
GCMT	X	12 06 04 14.0–.20	21.47S–.02	174.23E–.02	532–1	5.5W,5.5b		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.33 $M_{\theta\theta}$0.02 $M_{\phi\phi}$0.31 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.11 $M_{\phi r}$-1.42 NP1:ϕ_s164.61429°,δ6.34394°,λ-85.36160°. NP2:ϕ_s339.94743°,δ83.67692°,λ-90.51511°. Principal axes: T 1.5619,Plg38.6748°,Azm70.4140°; N -0.0162,Plg0.5120°,Azm340.0042° ; P -1.5547,Plg51.3205°,Azm249.3646° $M_0$1.55389×10^{17}
NOU Vanuatu Islands Region.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.17 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$0.22 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.24 $M_{\phi r}$-1.56 NP1:ϕ_s93.03000°,δ9.54000°,λ-179.19000°. NP2:ϕ_s2.24000°,δ89.87000°,λ-80.46000°. Principal axes: T 1.7687,Plg44.0000°,Azm83.0000°; N -0.3801,Plg10.0000°,Azm182.0000° ; P -1.3886,Plg44.0000°,Azm282.0000° $M_0$1.61000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110120604A. Moment Tensor Solution.Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.52±.03 $M_{\theta\theta}$0.03±.06; $M_{\phi\phi}$0.49±.05; $M_{r\theta}$0.42±.06; $M_{\theta\phi}$0.19±.05; $M_{\phi r}$-1.84±.05; Best double couple: NP1:ϕ_s218.00000°,δ10.00000°,λ-42.00000°. NP2:ϕ_s349.00000°,δ83.00000°,λ-98.00000°. Principal axes: T 1.8980,Plg38.0000°,Azm86.0000° ; N 0.1270,Plg8.0000°,Azm350.0000°; P -2.0250,Plg51.0000°,Azm250.0000° $M_0$1.96100×10^{17}

(171) South of Fiji Islands

ISC	**X**	**14 06 22 01.8–.55**	**24.29S–.05**	**179.80W–.06**	**524–5**	**4.7b**	**250**	**7-169**
GFZ	X	14 06 22 00.8–.37	24S–3.0	180W–6.0	524	5.1b,4.8b		**¶621148718**
IDC	X	14 06 22 01.7–.79	24.28S	179.80W	515–7	4.8,3.9b		
NEIC	X	14 06 22 02.8–1.5	24.3S–.10	179.7W–.10	529–8	4.6b,3.9b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(262) Celebes Sea

ISC	**X**	**15 03 30 37.0–.32**	**3.57N–.04**	**123.33E–.07**	**500**	**4.4b**	**241**	**2-149**
DJA	X	15 03 30 34.7–.50	4N–5.0	123E–3.0	479–5	5.1b,4.9		**¶621202372**
GFZ	X	15 03 30 35.5–.16	4N–2.0	123E–3.0	476–2	5.1b,4.7		
NEIC	X	15 03 30 36.3–1.9	3.58N–.09	123.24E–.10	481–7	4.4b,4.7		
IDC	X	15 03 30 37.0–1.0	3.56N	123.32E	496–12	4.5,3.6b		

ISC Event type se.
GFZ Error ellipse: s-maj=6.0km s-min=4.3km az=100.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=12.7km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=6.2km az=78.0.

(212) Bonin Islands region

ISC	**X**	**17 01 12 40.4–.41**	**28.67N–.03**	**138.26E–.04**	**528–4**	**4.7b**	**752**	**4-154**
JMA	X	17 01 12 37.2–.11	28.6N–.90	139E–1.0	568	4.5		**¶621204799**
NIED	X	17 01 12 37.2	28.58N	138.55E	568	4.9W		
BJI	X	17 01 12 38.6	28.62N	138.31E	529	5.1b,5.0b		
GFZ	X	17 01 12 40.9–.29	29N–3.0	138E–4.0	526–4	5.3b,4.9b		
NEIC	X	17 01 12 40.8–1.4	28.68N–.08	138.2E–.10	526–6	4.7b,4.9b		
IDC	X	17 01 12 41.2–.71	28.68N	138.18E	535–7	5.1,4.2b		
GCMT	X	17 01 12 42.0–.80	28.60N–.06	138.27E–.06	542–4	5.2W,4.2b		
BGR	X	17 01 12 47.4	30.66N	138.05E	500	5.0b,4.2b		

ISC Event type ke.
JMA Event type ke. SHIKOKU BASIN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.04 $M_{\theta\theta}$0.18 $M_{\phi\phi}$-1.23 $M_{r\theta}$1.31 $M_{\theta\phi}$1.40 $M_{\phi r}$0.21 NP1:ϕ_s3.00000°,δ51.00000°,λ151.00000°. NP2:ϕ_s113.00000°,δ68.00000°,λ43.00000°. $M_0$2.24000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.9km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.6km s-min=6.2km az=77.0.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110170112A. Moment Tensor Solution. s46,c54;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.64±.35 $M_{\theta\theta}$-2.29±.52; $M_{\phi\phi}$-1.35±.53; $M_{r\theta}$6.82±.55; $M_{\theta\phi}$3.55±.54; $M_{\phi r}$-0.76±.61; Best double couple: NP1:ϕ_s341.00000°,δ26.00000°,λ146.00000°. NP2:ϕ_s102.00000°,δ76.00000°,λ68.00000°. Principal axes: T 8.3040,Plg54.0000°,Azm346.0000° ; N 0.1070,Plg21.0000°,Azm108.0000°; P -8.4110,Plg28.0000°,Azm210.0000° $M_0$8.35800×10^{16}
BGR Event type ke.

(212) Bonin Islands region

ISC	**X**	**17 21 59 52.1–.34**	**28.68N–.03**	**138.21E–.03**	**529–3**	**5.0b**	**1321**	**4-170**
JMA	X	17 21 59 48.1–.15	29N–1.0	139E–2.0	585	5.2,5.1W		**¶621205054**
NIED	X	17 21 59 48.1	28.63N	138.61E	585	5.0W,5.1W		
BJI	X	17 21 59 49.6	28.62N	138.31E	523	5.4b,5.1b		
BGR	X	17 21 59 50.1	29.41N	139.24E	500	5.4b,5.1b		
IDC	X	17 21 59 51.5–.49	28.63N	138.19E	520–4	5.6,4.7b		
NEIC	X	17 21 59 51.6–1.5	28.70N–.08	138.2E–.10	516–5	5.0b,4.7b		
GCMT	X	17 21 59 52.0–.40	28.65N–.04	138.05E–.04	513–3	5.2W,4.7b		
GFZ	X	17 21 59 52.3–.29	29N–3.0	138E–4.0	521–4	5.4b,5.0b		

ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.67 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-2.38 $M_{r\theta}$1.99 $M_{\theta\phi}$2.41 $M_{\phi r}$1.23 NP1:ϕ_s357.00000°,δ55.00000°,λ137.00000°. NP2:ϕ_s116.00000°,δ56.00000°,λ44.00000°. $M_0$4.19000×10^{16}
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110172159A. Moment Tensor Solution. s66,c85;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.37±.26 $M_{\theta\theta}$-0.15±.44; $M_{\phi\phi}$-4.23±.44; $M_{r\theta}$4.96±.48; $M_{\theta\phi}$4.41±.39; $M_{\phi r}$0.66±.57; Best double couple: NP1:ϕ_s359.00000°,δ46.00000°,λ146.00000°. NP2:ϕ_s114.00000°,δ66.00000°,λ49.00000°. Principal axes: T 8.3090,Plg51.0000°,Azm337.0000° ; N -0.8150,Plg37.0000°,Azm133.0000°; P -7.5020,Plg12.0000°,Azm232.0000° $M_0$7.90600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(171) South of Fiji Islands

ISC	**X**	**18 06 24 14.4–.38**	**25.53S–.04**	**179.99E–.04**	**480–4**	**4.9b**	**560**	**8-166**
IDC	X	18 06 24 13.4–.54	25.53S	179.86E	463–5	5.0,4.2b		**¶621630061**
NOU	X	18 06 24 13.9	25.41S	179.72W	504	5.2b,4.2b		

BJI X 18 06 24 14.0 25.60S 180.00E 491 5.3b,4.9b
NEIC X 18 06 24 15.7–1.1 25.6S–.10 180.0E–.10 492–7 4.8b,4.9b
GFZ X 18 06 24 16.4–.47 25S–5.0 180E–5.0 508–7 5.4b,5.1b
GCMT X 18 06 24 18.4–.40 25.64S–.05 179.61E–.06 488–3 5.3W,5.1b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110180624A. Moment Tensor Solution. s47,c57;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.23±.04 $M_{\theta\theta}$-0.51±.07; $M_{\phi\phi}$0.28±.06; $M_{r\theta}$0.29±.05; $M_{\theta\phi}$-0.16±.05; $M_{\phi r}$-0.91±.05; Best double couple: NP1:ϕ_s243.00000°,δ16.00000°,λ4.00000°. NP2:ϕ_s149.00000°,δ89.00000°,λ106.00000°. Principal axes: T 1.2210,Plg44.0000°,Azm76.0000° ; N -0.5040,Plg16.0000°,Azm329.0000°; P -0.7150,Plg42.0000°,Azm224.0000° $M_0$0.96800×10^{17}

(171) South of Fiji Islands

ISC	**X**	**21 08 10 44.5–.19**	**25.29S–.03**	**179.71E–.03**	**506–1**	**5.7b**	**1849**	**4-172**
MOS	X	21 08 10 41.8–.95	25.33S	179.62E	483	5.8b		**¶621630065**
BJI	X	21 08 10 42.6	25.40S	180.00W	500	5.7b,5.4b		
NEIC	X	21 08 10 43.9	25.25S	179.64E	495	5.7b,5.4b		
NEIC	X	21 08 10 43.9	25.25S	179.64E	495	5.7b,5.4b		
NEIC	X	21 08 10 43.9	25.25S	179.64E	495	5.7b,5.4b		
IPGP	X	21 08 10 43.0	25.24S	179.64E	509	6.1W,5.4b		
NEIC	X	21 08 10 43.0–1.3	25.32S–.10	179.6E–.10	487–2	6.1,5.7b		
PTWC	X	21 08 10 43	25.10S	180.00E	520	5.8,5.7b		
GFZ	X	21 08 10 44.2	25.25S	179.56E	508	6.1W,5.7b		
NOU	X	21 08 10 44.7	25.32S	179.60E	497	5.5,5.7b		
IDC	X	21 08 10 44.1–.29	25.27S	179.58E	499–2	5.9,5.1b		
GFZ	X	21 08 10 44.2–.33	25S–2.0	180E–2.0	487–3	6.0b,5.8		
NEIC	X	21 08 10 48.1	25.64S	179.14E	483	6.0,5.8		
GCMT	X	21 08 10 50.6–.10	25.24S–.01	179.71E–.01	508–0	6.1W,5.8		
NEIC	X	21 08 10 53.2	25.15S	179.64E	500	6.1,5.8		

ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=7.9km az=117.7.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s91.00000°,δ25.00000°,λ156.00000°. NP2:ϕ_s203.00000°,δ80.00000°,λ67.00000°.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=15.5km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.56 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$-0.15 $M_{r\theta}$-0.46 $M_{\theta\phi}$-0.62 $M_{\phi r}$-1.67 NP1:ϕ_s82.74000°,δ19.88000°,λ152.72000°. NP2:ϕ_s198.62000°,δ81.03000°,λ72.19000°. Principal axes: T 1.9187,Plg51.0000°,Azm89.0000° ; N -0.0117,Plg18.0000°,Azm201.0000°; P -1.9069,Plg34.0000°,Azm304.0000° $M_0$1.91000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.34 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.19 $M_{r\theta}$-0.57 $M_{\theta\phi}$-0.54 $M_{\phi r}$-1.28 NP1: ϕ_s202.69009°,δ81.21280°,λ76.49666°. NP2:ϕ_s80.22765°,δ16.06604°,λ146.49525°. Principal axes: T 1.3831,Plg51.9535°,Azm97.1504°; N 0.2518,Plg13.3419°,Azm204.7910° ; P -1.6349,Plg34.8527°,Azm304.2973° $M_0$1.52468×10^{18}
NOU South of Fiji Islands.
IDC Error ellipse: s-maj=7.6km s-min=6.6km az=91.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 5s7 Moment tensor: Scale 10^{18}Nm; M_{rr}0.30 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-0.05 $M_{r\theta}$-0.28 $M_{\theta\phi}$-0.57 $M_{\phi r}$-1.16 NP1:ϕ_s88.71000°,δ24.76000°,λ161.88000°. NP2:ϕ_s195.25000°,δ82.51000°,λ66.33000°. Principal axes: T 1.3122,Plg47.0000°,Azm81.0000°; N 0.0687,Plg23.0000°,Azm199.0000° ; P -1.3810,Plg33.0000°,Azm305.0000° $M_0$1.35000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202110210810A. Moment Tensor Solution. s163,c370; s131,c182;Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}0.44±.01 $M_{\theta\theta}$-0.56±.01; $M_{\phi\phi}$0.11±.01; $M_{r\theta}$-0.51±.01; $M_{\theta\phi}$-0.78±.01; $M_{\phi r}$-1.50±.01; Best double couple: NP1:ϕ_s95.00000°,δ27.00000°,λ162.00000°. NP2:ϕ_s201.00000°,δ82.00000°,λ64.00000°. Principal axes: T 1.7990,Plg47.0000°,Azm84.0000°; N 0.0780,Plg26.0000°,Azm205.0000° ; P -1.8760,Plg32.0000°,Azm313.0000° $M_0$1.83800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-0.21 $M_{r\theta}$-0.42 $M_{\theta\phi}$-0.53 $M_{\phi r}$-1.35 NP1:ϕ_s78.16000°,δ19.54000°,λ146.36000°. NP2:ϕ_s200.25000°,δ79.32000°,λ73.54000°. Principal axes: T 1.5640,Plg53.0000°,Azm91.0000°; N 0.0310,Plg16.0000°,Azm203.0000° ; P -1.5950,Plg32.0000°,Azm304.0000° $M_0$1.58000×10^{18}

(211) Southeast of Honshu

ISC	**X**	**21 08 36 47.6–.20**	**32.13N–.02**	**138.22E–.03**	**341–1**	**5.3b**	**1718**	**1-168**
BJI	X	21 08 36 44.0	32.13N	138.14E	313	5.6b,5.5b		**¶621229682**
MOS	X	21 08 36 45.8–.91	32.10N	138.18E	330	5.8b,5.5b		
JMA	X	21 08 36 45.6–.46	32N–2.0	138E–1.0	356–4	5.6,5.5W		
NIED	X	21 08 36 45.6	32.18N	138.45E	356	5.6W,5.5W		
IDC	X	21 08 36 46.9–.32	32.10N	138.20E	330–2	5.8,5.0b		
NEIC	X	21 08 36 48.0–1.6	32.11N–.07	138.16E–.08	336–4	5.3b,5.0b		
NEIC	X	21 08 36 47.3	32.10N	138.23E	334	5.3b,5.0b		
NEIC	X	21 08 36 47.8	32.20N	138.35E	360	5.5,5.0b		
GFZ	X	21 08 36 47.2–.22	32N–2.0	138E–3.0	337–2	5.9b,5.7		
GFZ	X	21 08 36 47.8	32.10N	138.23E	346	5.5W,5.7		
GCMT	X	21 08 36 49.8–.40	32.18N–.05	138.17E–.06	333–2	5.7W,5.7		
BGR	X	21 08 36 49.0	32.35N	138.94E	357–3	6.2,5.8b		

ISC Event type ke.
MOS Error ellipse: s-maj=6.5km s-min=3.5km az=110.4.
JMA Event type fe. FAR S OFF TOKAI DISTRICT.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.28 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$0.95 $M_{r\theta}$-1.66 $M_{\theta\phi}$-0.46 $M_{\phi r}$-1.62 NP1:ϕ_s124.00000°,δ26.00000°,λ170.00000°. NP2:ϕ_s223.00000°,δ86.00000°,λ65.00000°. $M_0$2.60000×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=5.3km az=75.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.4km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22 $M_{\theta\theta}$-1.07 $M_{\phi\phi}$0.84 $M_{r\theta}$-1.51 $M_{\theta\phi}$-0.32 $M_{\phi r}$-1.80 NP1:ϕ_s123.41000°,δ23.00000°,λ172.44000°. NP2:ϕ_s220.38000°,δ87.05000°,λ67.18000°. Principal axes: T 2.5281,Plg43.0000°,Azm108.0000°; N 0.0672,Plg23.0000°,Azm222.0000° ; P -2.5953,Plg38.0000°,Azm331.0000° $M_0$2.56000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.47 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$0.49 $M_{r\theta}$-1.19 $M_{\theta\phi}$-0.27 $M_{\phi r}$-1.48 NP1: ϕ_s115.40495°,δ22.26790°,λ162.05433°. NP2:ϕ_s222.08937°,δ83.29506°,λ68.71639°. Principal axes: T 2.1148,Plg47.4707°,Azm109.7739°; N -0.0494,Plg21.1310°,Azm224.6936° ; P -2.0654,Plg34.8768°,Azm330.3213° $M_0$2.09058×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110210836A. Moment Tensor Solution. s68,c82;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.51±.15 $M_{\theta\theta}$-1.30±.21; $M_{\phi\phi}$0.79±.21; $M_{r\theta}$-2.64±.18; $M_{\theta\phi}$-0.90±.20; $M_{\phi r}$-2.89±.17; Best double couple: NP1:ϕ_s113.00000°,δ17.00000°,λ162.00000°. NP2:ϕ_s221.00000°,δ85.00000°,λ74.00000°. Principal axes: T 3.8750,Plg48.0000°,Azm114.0000° ; N 0.5430,Plg16.0000°,Azm222.0000°; P -4.4180,Plg38.0000°,Azm325.0000° $M_0$4.14700×10^{17}
BGR Event type ke.

(171) South of Fiji Islands

ISC	**X**	**25 16 05 10.7–.27**	**24.05S–.04**	**179.97E–.05**	**526**	**4.7b**	**573**	**7-164**
NOU	X	25 16 05 07.4	23.88S	179.43W	542	4.7b		**¶621239133**
GFZ	X	25 16 05 12.0–.42	24S–3.0	180E–3.0	532–5	5.0b,4.7b		
NEIC	X	25 16 05 11.1–1.4	24.14S–.08	180.0E–.10	525–6	4.7b,4.7b		
IDC	X	25 16 05 11.1–.98	24.01S	179.90E	522–9	4.9,4.0b		

ISC Event type se.
NOU South of Fiji Islands.
GFZ Error ellipse: s-maj=7.2km s-min=6.1km az=81.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=12.2km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.1km s-min=9.6km az=89.0.

(212) Bonin Islands region

ISC	**X**	**26 05 38 19.8–.57**	**26.37N–.05**	**140.69E–.06**	**490–5**	**4.3b**	**344**	**1-151**
NEIC	X	26 05 38 20.2–1.2	26.36N–.10	140.7E–.10	492–4	4.2b		**¶621239339**
GFZ	X	26 05 38 20.4–.37	26N–8.0	141E–5.0	502	5.5b,5.0		
IDC	X	26 05 38 22.1–1.2	26.39N	140.61E	511–13	4.8,3.9b		
JMA	X	26 05 38 22.9–.31	27N–1.0	140E–3.0	461–4	4.8,3.9b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. W OFF OGASAWARA .

(171) South of Fiji Islands

ISC	**X**	**27 07 32 06.2–.35**	**24.53S–.05**	**179.98E–.06**	**500**	**4.5b**	**218**	**7-153**
GFZ	X	27 07 32 05.5–.28	25S–3.0	180W–4.0	523	5.3b,4.8b		**¶621241211**
NEIC	X	27 07 32 06.6–2.3	24.64S–.09	179.9W–.10	499–6	4.5b,4.8b		
IDC	X	27 07 32 08.5–1.2	24.58S	179.76E	519–13	4.6,3.8b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.6km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.5km s-min=10.7km az=139.0.

(280) Banda Sea

ISC	**X**	**27 20 41 56.3–.25**	**5.98S–.03**	**128.74E–.03**	**322**	**4.7b**	**534**	**2-152**
NEIC	X	27 20 41 57.2–1.9	5.99S–.07	128.73E–.07	326–5	4.7b		**¶621242483**
IDC	X	27 20 41 57.7–1.2	6.02S	128.68E	334–12	5.1,4.3b		
GFZ	X	27 20 41 58.3–.23	6S–3.0	129E–3.0	336–3	5.0b,4.9b		
DJA	X	27 20 41 58.1–.10	6S–2.0	129E–1.0	321–2	5.3,5.1b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(181) Fiji Islands region

ISC	**X**	**30 08 05 18.6–.27**	**19.62S–.03**	**177.54W–.03**	**381–2**	**5.5b**	**1477**	**5-165**
BJI	X	30 08 05 17.6	19.24S	177.26W	373	5.2b,5.1b		**¶621630081**
MOS	X	30 08 05 18.7–1.1	19.55S	177.69W	383	5.5b,5.1b		
GFZ	X	30 08 05 18.9	19.60S	177.70W	405	5.5W,5.1b		
GFZ	X	30 08 05 18.9–.36	20S–2.0	178W–2.0	370–3	5.8b,5.6		
IDC	X	30 08 05 19.5–.62	19.58S	177.72W	383–4	5.6,4.9b		
NEIC	X	30 08 05 19.5–1.6	19.62S–.09	177.64W–.10	381–4	5.5,5.5b		
NEIC	X	30 08 05 19.3	19.62S	177.64W	378	5.5,5.5b		
NEIC	X	30 08 05 19.8	19.58S	177.65W	382	5.5,5.5b		
NOU	X	30 08 05 19.6	19.54S	177.64W	390	5.6b,5.5b		
GCMT	X	30 08 05 22.8–.20	19.60S–.02	177.71W–.02	394–1	5.6W,5.5b		
NEIC	X	30 08 05 23.2	19.58S	177.65W	380	5.5,5.5b		

ISC Event type se.
MOS Error ellipse: s-maj=8.8km s-min=6.6km az=122.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.59 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$0.49 $M_{r\theta}$-1.19 $M_{\theta\phi}$-0.85 $M_{\phi r}$0.77 NP1: ϕ_s286.03716°,δ77.76035°,λ129.44540°. NP2:ϕ_s30.48668°,δ41.00284°,λ18.85201°. Principal axes: T 1.9943,Plg43.1213°,Azm234.0251°; N -0.2125,Plg38.3820°,Azm96.1431° ; P -1.7818,Plg22.5649°,Azm346.9264° $M_0$1.89702×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=8.3km s-min=7.4km az=91.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=12.4km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$0.13 $M_{r\theta}$-1.94 $M_{\theta\phi}$-0.23 $M_{\phi r}$0.93 NP1:ϕ_s290.33000°,δ78.04000°,λ104.87000°. NP2:ϕ_s58.31000°,δ19.00000°,λ39.54000°. Principal axes: T 2.5151,Plg55.0000°,Azm219.0000°; N -0.1955,Plg15.0000° ,Azm107.0000°; P -2.3196,Plg31.0000°,Azm8.0000° $M_0$2.42000×10^{17}
NEIC Event type se.
NEIC Event type se.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110300805A. Moment Tensor Solution. s126,c220;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.03 $M_{\theta\theta}$-1.70±.05; $M_{\phi\phi}$0.95±.05; $M_{r\theta}$-1.99±.04; $M_{\theta\phi}$-0.85±.05; $M_{\phi r}$0.84±.05; Best double couple: NP1:ϕ_s34.00000°,δ34.00000°,λ17.00000°. NP2:ϕ_s290.00000°,δ80.00000°,λ123.00000°. Principal axes: T 2.6460,Plg45.0000°,Azm233.0000° ; N 0.1970,Plg33.0000°,Azm104.0000°; P -2.8450,Plg28.0000°,Azm354.0000° $M_0$2.74500×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.45 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$0.79 $M_{r\theta}$-1.64 $M_{\theta\phi}$-0.71 $M_{\phi r}$0.76 NP1:ϕ_s32.01000°,δ33.83000°,λ12.63000°. NP2:ϕ_s291.46000°,δ83.01000°,λ123.18000°. Principal axes: T 2.1950,Plg42.0000°,Azm233.0000°; N 0.0570,Plg33.0000°,Azm107.0000° ; P -2.2519,Plg30.0000°,Azm355.0000° $M_0$2.22000×10^{17}

(212) Bonin Islands region

ISC	**X**	**31 13 02 21.5–.33**	**27.84N–.05**	**139.79E–.06**	**478**	**4.2b**	**286**	**2-152**
MOS	X	31 13 02 20.4–.88	27.81N	139.68E	480	4.1b		**¶621244735**
GFZ	X	31 13 02 21.0–.23	28N–3.0	140E–4.0	470	5.4b,5.4		
JMA	X	31 13 02 21.9–.13	28N–1.0	140E–2.0	496	4.0,5.4		
NEIC	X	31 13 02 22.3–1.1	27.83N–.08	139.8E–.10	481–2	4.2b,5.4		
IDC	X	31 13 02 22.3–1.1	27.84N	139.80E	485–12	4.4,3.5b		

ISC Event type ke.
MOS Error ellipse: s-maj=12.4km s-min=6.8km az=111.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. W OFF OGASAWARA .
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=12.2km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.7km s-min=9.1km az=83.0.

(662) Sakhalin Island

ISC	**X**	**31 19 51 49.6–.51**	**46.16N–.04**	**143.86E–.04**	**342–5**	**4.0b**	**235**	**1-120**
NIED	X	31 19 51 48.7	46.08N	143.95E	361	4.3W		**¶621244766**
MOS	X	31 19 51 48.6–.99	46.29N	143.79E	337	3.9b		
JMA	X	31 19 51 48.7–.39	46N–2.0	144E–3.0	361–3	4.3		
GFZ	X	31 19 51 49.7–.29	46N–3.0	144E–5.0	342	5.2b,4.7		
SKHL	X	31 19 51 49.9–.80	46.20N	143.80E	347–1	5.2s,4.8b		
IDC	X	31 19 51 50.3–1.1	46.34N	143.77E	342–12	4.3,3.4b		
NEIC	X	31 19 51 50.1–1.4	46.32N–.09	143.8E–.10	343–6	4.1b,3.4b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.72 $M_{\theta\theta}$0.93 $M_{\phi\phi}$-1.65 $M_{r\theta}$1.16 $M_{\theta\phi}$-0.51 $M_{\phi r}$-1.86 NP1:ϕ_s48.00000°,δ32.00000°,λ162.00000°. NP2:ϕ_s153.00000°,δ81.00000°,λ60.00000°. $M_0$2.67000×10^{15}
JMA Event type ke. SOUTH SAKHALIN .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region

ISC	**X**	**31 23 47 49.4–.37**	**17.91S–.08**	**178.40W–.07**	**579**	**4.4b**	**241**	**3-152**
NEIC	X	31 23 47 49.7–1.4	17.94S–.09	178.46W–.07	570–7	4.4b		**¶621244911**
GFZ	X	31 23 47 50.1–.32	18S–4.0	179W–4.0	581–4	5.0b,4.5b		
IDC	X	31 23 47 51.4–.81	17.93S	178.60W	595–8	4.5,3.5b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.6km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=10.5km s-min=6.5km az=144.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=14.9km s-min=10.5km az=133.0.

(181) Fiji Islands region

ISC	**XI**	**03 01 19 22.6–.34**	**20.75S–.07**	**178.53W–.07**	**579**	**4.6b**	**326**	**4-153**
NEIC	XI	03 01 19 22.8–1.5	20.8S–.10	178.5W–.10	576–3	4.8b		**¶621883466**
GFZ	XI	03 01 19 24.4–.38	21S–4.0	179W–5.0	596–5	5.0b,4.7b		
IDC	XI	03 01 19 25.4–1.3	20.80S	178.72W	603–14	4.7,3.7b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=13.7km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.5km s-min=8.9km az=129.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=13.5km s-min=10.5km az=145.0.

(216) Mariana Islands

ISC	**XI**	**04 15 46 38.8–.28**	**19.00N–.03**	**145.07E–.04**	**571–2**	**4.9b**	**1177**	**5-168**
BJI	XI	04 15 46 36.1	19.02N	145.28E	560	4.9b,4.8b		**¶621412304**
GFZ	XI	04 15 46 38.8–.48	19N–2.0	145E–3.0	558–6	6.1,6.0		
GCMT	XI	04 15 46 38.5–.20	18.95N–.02	145.02E–.02	553–1	5.3W,6.0		
PTWC	XI	04 15 46 38	19.00N	145.10E	557	5.2b,6.0		
GFZ	XI	04 15 46 38.8	18.98N	145.05E	558	5.3W,6.0		
NEIC	XI	04 15 46 38.8–1.4	19.02N–.07	145.06E–.09	563–4	4.8b,6.0		
DJA	XI	04 15 46 38.6–.60	19N–2.0	145E–3.0	555–7	5.9,5.8		
IDC	XI	04 15 46 39.2–.48	18.99N	145.04E	573–4	5.0,4.1b		
NEIC	XI	04 15 46 39	19.03N	145.03E	564	5.0,4.1b		
NEIC	XI	04 15 46 39.4	19.13N	144.82E	570	5.3,4.1b		

ISC Event type se.
GFZ Error ellipse: s-maj=5.8km s-min=4.0km az=77.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202111041546A. Moment Tensor Solution. s89,c130;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.77±.02 $M_{\theta\theta}$0.24±.04; $M_{\phi\phi}$0.53±.04; $M_{r\theta}$0.34±.04; $M_{\theta\phi}$-0.82±.04; $M_{\phi r}$0.47±.04; Best double couple: NP1:ϕ_s289.00000°,δ52.00000°,λ-139.00000°. NP2:ϕ_s171.00000°,δ59.00000°,λ-46.00000°. Principal axes: T 1.2320,Plg5.0000°,Azm232.0000° ; N -0.0260,Plg37.0000°,Azm325.0000°; P -1.2060,Plg53.0000°,Azm136.0000° $M_0$1.21900×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.75 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.74 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.52 $M_{\phi r}$0.24 NP1: ϕ_s180.32669°,δ53.98044°,λ-49.92865°. NP2:ϕ_s305.28234°,δ51.76113°,λ-131.52160°. Principal axes: T 1.0132,Plg1.2512°,Azm243.2423°; N 0.0184,Plg31.3771°,Azm334.0055° ; P -1.0317,Plg58.5922°,Azm151.1924° $M_0$1.02258×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.6km az=77.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=8.8km s-min=5.5km az=83.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$0.80 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.63 $M_{\phi r}$0.32 NP1:ϕ_s301.98000°,δ52.22000° ,λ-135.16000°. NP2:ϕ_s180.63000°,δ56.14000°,λ-47.55000°. Principal axes: T 1.1477,Plg2.0000°,Azm242.0000°; N 0.0071,Plg34.0000°,Azm334.0000° ; P -1.1548,Plg56.0000°,Azm149.0000° $M_0$1.15000×10^{17}

(230) Near south coast of eastern Honshu

ISC	**XI**	**05 04 55 56.3–.33**	**33.78N–.03**	**137.48E–.03**	**345–2**	**4.8b**	**872**	**0-161**
BJI	XI	05 04 55 53.5	33.72N	137.53E	342	4.8b,4.4b		**¶621361553**
JMA	XI	05 04 55 54.5–.27	34N–1.0	138E–1.0	354–2	4.7,4.7W		
NIED	XI	05 04 55 54.5	33.77N	137.59E	354	4.7W,4.7W		
MOS	XI	05 04 55 54.9–.82	33.74N	137.46E	342	4.6b,4.7W		
IDC	XI	05 04 55 55.4–.47	33.73N	137.41E	336–4	4.9,4.2b		
GFZ	XI	05 04 55 56.3–.14	34N–2.0	137E–2.0	340	5.1b,4.8b		
NEIC	XI	05 04 55 56.4–1.8	33.79N–.07	137.50E–.08	341–5	4.9b,4.8b		

ISC Event type ke.
JMA Event type ke. FAR S OFF SHIZUOKA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.94 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.08 $M_{r\theta}$0.39 $M_{\theta\phi}$0.31 $M_{\phi r}$-0.58 NP1:ϕ_s2.00000°,δ31.00000°,λ115.00000°. NP2:ϕ_s154.00000° ,δ62.00000°,λ76.00000°. $M_0$1.26000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(171) South of Fiji Islands

ISC	**XI**	**06 20 32 52.5–.46**	**24.34S–.04**	**179.93E–.05**	**518–4**	**4.8b**	**548**	**5-164**
NEIC	XI	06 20 32 52.9–1.2	24.34S–.09	179.9E–.10	514–5	4.7b		**¶621883487**
BJI	XI	06 20 32 52.0	24.50S	179.90E	523	4.7b		
NOU	XI	06 20 32 52.9	24.45S	179.88E	518	4.8b		
IDC	XI	06 20 32 52.2–.59	24.35S	179.91E	511–5	4.9,4.1b		
GFZ	XI	06 20 32 53.7–.44	24S–4.0	180E–5.0	529–6	5.2b,5.0b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(181) Fiji Islands region

ISC	**XI**	**13 03 18 54.2–.30**	**20.67S–.04**	**177.65W–.04**	**505–3**	**5.0b**	**1051**	**5-172**
NOU	XI	13 03 18 52.4	20.79S	177.52W	492	5.1b		**¶621402627**
BJI	XI	13 03 18 53.2	20.40S	177.21W	508	5.1b,5.0b		
GFZ	XI	13 03 18 54.9	20.58S	177.76W	485	5.1W,5.0b		
GFZ	XI	13 03 18 54.6–.46	21S–7.0	178W–4.0	505–6	5.5b,5.3b		
NEIC	XI	13 03 18 55.4–2.3	20.60S–.09	177.73W–.10	505–5	4.9b,5.3b		
IDC	XI	13 03 18 55.1–.58	20.59S	177.74W	504–6	5.4,4.6b		
GCMT	XI	13 03 18 57.0–.20	20.59S–.02	177.78W–.02	505–1	5.2W,4.6b		

ISC Event type se.
NOU Fiji Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.21 $M_{\theta\theta}$1.06 $M_{\phi\phi}$4.15 $M_{r\theta}$-2.65 $M_{\theta\phi}$2.23 $M_{\phi r}$-2.14 NP1: ϕ_s195.86789°,δ30.72930°,λ-110.97583°. NP2:ϕ_s39.90490°,δ61.50249°,λ-77.98681°. Principal axes: T 6.2008,Plg15.6909°,Azm121.1115°; N 0.1448,Plg10.5398°,Azm214.1075° ; P -6.3455,Plg70.9436°,Azm336.6979° $M_0$6.27440×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202111130318A. Moment Tensor Solution. s97,c140;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72±.02 $M_{\theta\theta}$0.17±.04; $M_{\phi\phi}$0.54±.04; $M_{r\theta}$-0.32±.04; $M_{\theta\phi}$0.18±.03; $M_{\phi r}$-0.59±.04; Best double couple: NP1:ϕ_s199.00000°,δ23.00000°,λ-97.00000°. NP2:ϕ_s26.00000° ,δ68.00000°,λ-87.00000°. Principal axes: T 0.9000,Plg22.0000°,Azm114.0000° ; N 0.1040,Plg3.0000°,Azm205.0000°; P -1.0040,Plg67.0000°,Azm302.0000° $M_0$0.95200×10^{17}

(171) South of Fiji Islands

ISC	**XI**	**13 19 45 51.6–.43**	**23.59S–.04**	**179.79W–.05**	**529–4**	**4.9b**	**629**	**6-175**
BJI	XI	13 19 45 48.8	23.58S	179.08W	528	4.7b,4.6b		**¶621883532**
NEIC	XI	13 19 45 50.3–1.6	23.57S–.09	179.8W–.10	508–5	4.9b,4.6b		
NOU	XI	13 19 45 50.8	23.57S	179.57W	542	4.9b,4.6b		
IDC	XI	13 19 45 52.0–.69	23.56S	179.85W	524–6	4.7,3.8b		
GFZ	XI	13 19 45 52.4–.28	24S–3.0	180W–4.0	549	5.2b,4.8b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(171) South of Fiji Islands

ISC	**XI**	**16 04 24 45.5–.58**	**22.70S–.08**	**179.62W–.09**	**579**	**4.3b**	**73**	**5-150**
GFZ	XI	16 04 24 44.7–.45	23S–4.0	180W–7.0	582–6	5.7b,5.2		**¶621409302**
NEIC	XI	16 04 24 45.2–1.9	22.8S–.10	179.5W–.10	568–9	4.3b,5.2		
IDC	XI	16 04 24 45.6–2.0	22.59S	179.65W	578–23	4.3,3.3b		

ISC Event type se.
GFZ Error ellipse: s-maj=14.7km s-min=8.3km az=107.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=19.7km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.4km s-min=19.8km az=147.0.

(171) South of Fiji Islands

ISC	**XI**	**17 08 28 42.5–.31**	**23.74S–.05**	**179.39E–.06**	**550**	**4.4b**	**266**	**6-169**
NEIC	XI	17 08 28 41.0–1.9	23.76S–.05	179.4E–.10	520–6	4.6b		**¶621883542**
GFZ	XI	17 08 28 41.8–.45	24S–4.0	179E–4.0	528–5	5.1b,4.5b		
IDC	XI	17 08 28 43.5–1.2	23.69S	179.20E	548–12	4.5,3.7b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=6.7km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.0km s-min=8.2km az=154.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=12.0km s-min=9.8km az=131.0.

(129) Salta Province

ISC	**XI**	**17 21 38 53.6–.23**	**26.27S–.03**	**63.31W–.03**	**578–2**	**5.3b**	**1474**	**2-175**
SJA	XI	17 21 38 46.2–.72	26.50S	63.27W	614–9	5.4L,5.2W		**¶621414522**
BJI	XI	17 21 38 51.1	25.66S	63.86W	550	5.3b,5.2W		
PTWC	XI	17 21 38 52	26.40S	63.30W	577	5.4,5.2W		
MOS	XI	17 21 38 52.8–.87	26.32S	63.36W	572	5.2b,5.2W		
NEIC	XI	17 21 38 53.7	26.30S	63.34W	568	5.2b,5.2W		
GFZ	XI	17 21 38 53.5	26.35S	63.33W	610	5.5W,5.2W		
NEIC	XI	17 21 38 53.7	26.30S	63.34W	568	5.5W,5.2W		
IDC	XI	17 21 38 53.9–.32	26.28S	63.29W	576–3	5.6,4.7b		
VAO	XI	17 21 38 53.2–.23	26.22S	63.28W	582–2	5.5b,4.7b		
GFZ	XI	17 21 38 53.4–.17	26S–2.0	63W–3.0	574–3	5.9b,5.7b		
NEIC	XI	17 21 38 54.0–1.6	26.31S–.08	63.33W–.09	576–3	5.7,5.3b		
NEIC	XI	17 21 38 54.3	26.40S	63.34W	580	5.5,5.3b		
GCMT	XI	17 21 38 55.8–.20	26.30S–.02	63.12W–.02	577–1	5.6W,5.3b		

ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.05 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$1.10 $M_{r\theta}$-0.69 $M_{\theta\phi}$0.06 $M_{\phi r}$1.89 NP1: ϕ_s162.96073°,δ76.66069°,λ-99.73974°. NP2:ϕ_s19.60892°,δ16.46439°,λ-54.49345°. Principal axes: T 2.2357,Plg30.9955°,Azm260.9825°; N 0.0831,Plg9.4745°,Azm165.2286° ; P -2.3188,Plg57.2728°,Azm60.1775° $M_0$2.27835×10^{17}
NEIC Event type se.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.49 $M_{\theta\theta}$0.43 $M_{\phi\phi}$2.07 $M_{r\theta}$-0.97 $M_{\theta\phi}$-0.27 $M_{\phi r}$3.22 NP1:ϕ_s164.75000°,δ72.84000°,λ-92.88000°. NP2:ϕ_s354.42000° ,δ17.39000°,λ-80.76000°. Principal axes: T 3.8661,Plg28.0000°,Azm257.0000° ; N 0.4061,Plg3.0000°,Azm166.0000°; P -4.2722,Plg62.0000°,Azm70.0000° $M_0$4.08000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.12 $M_{\theta\theta}$0.15 $M_{\phi\phi}$0.98 $M_{r\theta}$-0.64 $M_{\theta\phi}$0.13 $M_{\phi r}$2.27 NP1:ϕ_s18.54000°,δ13.50000° ,λ-59.16000°. NP2:ϕ_s166.98000°,δ78.44000°,λ-97.02000°. Principal axes: T 2.4538,Plg33.0000°,Azm263.0000°; N 0.2505,Plg7.0000°,Azm168.0000° ; P -2.7044,Plg56.0000°,Azm68.0000° $M_0$2.59000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202111172138A. Moment Tensor Solution. s120,c192;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.28±.04 $M_{\theta\theta}$0.07±.06; $M_{\phi\phi}$1.21±.06; $M_{r\theta}$-0.41±.06; $M_{\theta\phi}$0.32±.05; $M_{\phi r}$2.55±.06; Best double couple: NP1:ϕ_s30.00000°,δ15.00000°,λ-55.00000°. NP2:ϕ_s174.00000° ,δ77.00000°,λ-99.00000°. Principal axes: T 2.8040,Plg32.0000°,Azm271.0000° ; N 0.1590,Plg9.0000°,Azm176.0000°; P -2.9600,Plg57.0000°,Azm72.0000° $M_0$2.88200×10^{17}

(181) Fiji Islands region

ISC	**XI**	**18 20 59 41.1–.39**	**19.80S–.07**	**177.77W–.07**	**450**	**4.5b**	**254**	**4-152**
GFZ	XI	18 20 59 40.8–.35	20S–4.0	178W–4.0	466–5	5.2b,4.7		**¶621416140**
IDC	XI	18 20 59 43.2–1.5	19.82S	177.85W	472–16	4.5,3.6b		
NEIC	XI	18 20 59 43.5–2.0	19.8S–.10	177.8W–.10	480–1	4.4b,3.6b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region

ISC	**XI**	**22 02 45 21.4–.29**	**17.90S–.05**	**178.60W–.05**	**579**	**4.6b**	**528**	**3-158**
NEIC	XI	22 02 45 19.1–2.1	17.92S–.09	178.6W–.10	541–5	4.6b		**¶621883571**
NOU	XI	22 02 45 21.3	17.85S	178.73W	563	5.0b		
GFZ	XI	22 02 45 21.8–.43	18S–5.0	179W–6.0	569–4	5.3b,4.9b		
IDC	XI	22 02 45 22.0–.73	17.91S	178.72W	573–7	4.9,4.1b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.7km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=10.7km s-min=9.2km az=132.0.

(181) Fiji Islands region

ISC	**XI**	**22 15 44 12.8–.31**	**14.99S–.06**	**177.69W–.05**	**372**	**4.5b**	**277**	**1-155**
GFZ	XI	22 15 44 12.9–.39	15S–5.0	178W–5.0	373–4	5.3b,4.8		**¶621440152**
IDC	XI	22 15 44 12.7–.90	14.96S	177.78W	372–9	4.6,3.9b		
NEIC	XI	22 15 44 13.3–1.4	14.96S–.07	177.63W–.07	369–4	4.5b,3.9b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region

ISC	**XI**	**22 17 10 33.2–.32**	**18.03S–.04**	**178.24W–.04**	**571–3**	**4.8b**	**863**	**4-159**
BGR	XI	22 17 10 31.9	18.62S	179.14W	560	4.8b		**¶621883574**
BJI	XI	22 17 10 32.4	17.67S	177.80W	575	5.3b,5.0b		
NOU	XI	22 17 10 32.1	17.86S	178.08W	582	5.1b,5.0b		
NEIC	XI	22 17 10 33.0–2.0	18.14S–.09	178.29W–.10	560–6	4.8b,5.0b		
GFZ	XI	22 17 10 34.5–.35	18S–4.0	178W–3.0	573–4	5.3b,4.8b		
IDC	XI	22 17 10 35.2–.70	18.03S	178.42W	586–7	5.2,4.3b		
GCMT	XI	22 17 10 36.6–.30	18.06S–.06	178.26W–.03	571–2	5.2W,4.3b		

ISC Event type ke.
BGR Event type ke.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202111221710A. Moment Tensor Solution. s67,c87;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.44±.28 $M_{\theta\theta}$-1.19±.57; $M_{\phi\phi}$4.63±.42; $M_{r\theta}$-4.90±.43; $M_{\theta\phi}$-5.11±.35; $M_{\phi r}$-1.54±.46; Best double couple: NP1:ϕ_s5.00000°,δ55.00000°,λ-29.00000°. NP2:ϕ_s113.00000° ,δ67.00000°,λ-142.00000°. Principal axes: T 7.7420,Plg7.0000°,Azm237.0000° ; N 1.1180,Plg46.0000°,Azm139.0000°; P -8.8600,Plg43.0000°,Azm334.0000° $M_0$8.30100×10^{16}

(177) Kermadec Islands region

ISC	**XI**	**23 00 10 35.7–.31**	**30.94S–.05**	**179.67E–.06**	**450**	**4.4b**	**411**	**3-171**
NOU	XI	23 00 10 31.2	31.11S	179.14W	513	4.7b		**¶621883580**
NEIC	XI	23 00 10 35.2–1.4	30.93S–.10	179.6E–.10	435–6	4.5b		
IDC	XI	23 00 10 35.6–1.1	30.86S	179.61E	444–9	4.9,3.9b		

GFZ XI 23 00 10 37.1–.49 31S–4.0 180E–5.0 454–5 4.8b,4.5b
WEL XI 23 00 10 39.4–1.1 31S–7.0 180W–15 424–16 5.4,5.2L
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

(262) Celebes Sea

ISC	**XI**	**25 03 56 00.6–.44**	**3.29N–.03**	**124.14E–.04**	**381–4**	**4.6b**	**535**	**1-157**
BJI	XI	25 03 56 00.0	3.40N	124.20E	384	4.8b,4.7b		**¶621464958**
DJA	XI	25 03 56 01.6–.30	3N–4.0	124E–2.0	358–2	5.2,5.0b		
GFZ	XI	25 03 56 01.2–.31	3N–3.0	124E–3.0	376–4	5.2b,4.7b		
NEIC	XI	25 03 56 01.4–1.6	3.32N–.06	124.14E–.07	380–5	4.7b,4.7b		
MAN	XI	25 03 56 01.0	3.39N	124.30E	388	5.5b,4.7s		
IDC	XI	25 03 56 01.4–.84	3.32N	124.19E	390–9	4.9,4.2b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.0km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=10.9km s-min=6.2km az=77.0.

(185) Vanuatu Islands region

ISC	**XI**	**26 04 13 21.2–.20**	**21.46S–.03**	**174.56E–.03**	**529–1**	**5.5b**	**1775**	**5-170**
BJI	XI	26 04 13 19.2	21.15S	174.77E	518	5.4b,5.2b		**¶621883595**
BGR	XI	26 04 13 20.1	22.14S	174.43E	530–3	5.4b,5.2b		
MOS	XI	26 04 13 20.3–1.1	21.42S	174.42E	516	5.5b,5.2b		
NOU	XI	26 04 13 21.6	21.41S	174.45E	523	5.4,5.2b		
NEIC	XI	26 04 13 21	21.47S	174.52E	512	5.4,5.2b		
NEIC	XI	26 04 13 21	21.43S	174.49E	512	5.4,5.2b		
IPGP	XI	26 04 13 21.0	21.43S	174.48E	526	5.8W,5.2b		
NEIC	XI	26 04 13 21.1–2.0	21.46S–.07	174.52E–.06	513–1	5.9,5.4b		
IDC	XI	26 04 13 21.3–.41	21.48S	174.47E	526–4	5.6,4.7b		
GFZ	XI	26 04 13 21.6–.28	21S–2.0	174E–2.0	521–3	6.0b,5.6b		
GFZ	XI	26 04 13 21.7	21.44S	174.43E	523	5.8W,5.6b		
GCMT	XI	26 04 13 25.4–.10	21.53S–.01	174.36E–.01	535–0	5.8W,5.6b		
NEIC	XI	26 04 13 26.4	21.33S	174.49E	530	5.8,5.6b		

ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=8.0km s-min=7.0km az=84.8.
NOU Vanuatu Islands Region.
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_S142.00000°,δ12.00000°,λ-109.00000°. NP2:ϕ_S341.00000°,δ78.00000°,λ-86.00000°.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.4km az=31.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.53 $M_{\theta\theta}$0.43 $M_{\phi\phi}$0.10 $M_{r\theta}$0.33 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.79 NP1:ϕ_S231.70000°,δ19.23000°,λ-34.53000°. NP2:ϕ_S354.71000°,δ79.24000°,λ-106.03000°. Principal axes: T 0.6368,Plg32.0000°,Azm98.0000°; N 0.5338,Plg16.0000°,Azm358.0000°; P -1.1706,Plg53.0000°,Azm246.0000° $M_0$1.02000×10^{18}
IDC Error ellipse: s-maj=8.1km s-min=6.9km az=160.0.
GFZ Error ellipse: s-maj=4.5km s-min=3.8km az=151.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.65 $M_{\theta\theta}$1.58 $M_{\phi\phi}$1.07 $M_{r\theta}$1.42 $M_{\theta\phi}$-0.31 $M_{\phi r}$-5.32 NP1:ϕ_S139.50685°,δ10.73889°,λ-112.85837°. NP2:ϕ_S342.72982°,δ80.11330°,λ-85.78650°. Principal axes: T 5.1708,Plg34.9815°,Azm69.0943°; N 1.3765,Plg4.1508°,Azm162.0051°; P -6.5473,Plg54.6996°,Azm257.8880° $M_0$5.97907×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202111260413A. Moment Tensor Solution. s145,c296; s98,c106;Duration: 2s_0 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.25±.05 $M_{\theta\theta}$2.97±.08; $M_{\phi\phi}$0.27±.08; $M_{r\theta}$2.46±.08; $M_{\theta\phi}$0.24±.07; $M_{\phi r}$-5.87±.07; Best double couple: NP1:ϕ_S101.00000°,δ14.00000°,λ-138.00000°. NP2:ϕ_S330.00000°,δ81.00000°,λ-80.00000°. Principal axes: T 5.4190,Plg35.0000°,Azm51.0000°; N 2.6070,Plg10.0000°,Azm148.0000°; P -8.0270,Plg53.0000°,Azm251.0000° $M_0$6.72300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s_1 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.65 $M_{\theta\theta}$3.08 $M_{\phi\phi}$-0.43 $M_{r\theta}$2.22 $M_{\theta\phi}$0.46 $M_{\phi r}$-5.69 NP1:ϕ_S85.06000°,δ15.27000°,λ-152.27000°. NP2:ϕ_S328.17000°,δ82.96000°,λ-76.42000°. Principal axes: T 4.9736,Plg37.0000°,Azm46.0000°; N 2.7435,Plg13.0000°,Azm146.0000°; P -7.7171,Plg50.0000°,Azm253.0000° $M_0$6.78000×10^{17}

(280) Banda Sea

ISC	**XI**	**28 13 51 15.9–.32**	**6.79S–.03**	**125.46E–.04**	**540–3**	**4.8b**	**799**	**2-157**
BJI	XI	28 13 51 10.2	7.24S	125.86E	539	5.0b,4.9b		**¶621480805**
IDC	XI	28 13 51 15.9–.57	6.78S	125.46E	536–6	5.1,4.2b		
DJA	XI	28 13 51 15.8–.10	7S–1.0	125E–1.0	538–1	5.4b,5.3		
GFZ	XI	28 13 51 16.4–.19	7S–3.0	125E–3.0	539–3	5.3b,5.0b		
NEIC	XI	28 13 51 16.1–1.5	6.77S–.05	125.43E–.09	538–5	4.9b,5.0b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(171) South of Fiji Islands

ISC	**XI**	**29 06 32 24.0–.28**	**24.12S–.04**	**179.89E–.05**	**526**	**4.5b**	**356**	**5-169**
NOU	XI	29 06 32 22.2	24.17S	179.91W	543	4.8b		**¶621481049**
GFZ	XI	29 06 32 24.1–.21	24S–3.0	180E–4.0	521	5.3b,4.7		
IDC	XI	29 06 32 25.4–.86	24.16S	179.75E	529–8	4.7,3.8b		
NEIC	XI	29 06 32 26.1–1.1	24.15S–.10	179.8E–.10	538–7	4.5b,3.8b		

ISC Event type se.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region

ISC	**XII**	**02 20 49 14.8–.38**	**45.73N–.03**	**142.61E–.04**	**314–3**	**4.5b**	**468**	**1-155**
BJI	XII	02 20 49 12.9	45.82N	142.74E	321	5.2b,4.8b		**¶621611289**
MOS	XII	02 20 49 14.2–.89	45.76N	142.56E	323	4.4b,4.8b		
GFZ	XII	02 20 49 15.5–.31	46N–4.0	143E–4.0	312–3	5.6b,5.2		
JMA	XII	02 20 49 15.1–.24	46N–1.0	143E–2.0	323–1	4.7,4.5		
NEIC	XII	02 20 49 15.3–1.6	45.83N–.07	142.6E–.10	314–4	4.6b,4.5		
NIED	XII	02 20 49 15.1	45.72N	142.65E	323	4.7W,4.5		
IDC	XII	02 20 49 15.2–.41	45.85N	142.54E	312–4	4.7,4.0b		

ISC Event type ke.
MOS Error ellipse: s-maj=7.5km s-min=5.3km az=104.5.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. NE OFF HOKKAIDO .
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.4km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.42 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.17 $M_{\theta\phi}$-0.28 $M_{\phi r}$-1.02 NP1:ϕ_S27.00000°,δ16.00000°,λ108.00000°. NP2:ϕ_S188.00000°,δ75.00000°,λ85.00000°. $M_0$1.20000×10^{16}
IDC Error ellipse: s-maj=8.5km s-min=6.9km az=166.0.

(171) South of Fiji Islands

ISC	**XII**	**03 05 27 31.5–.43**	**24.30S–.06**	**179.97E–.08**	**517**	**4.3b**	**137**	**5-169**
IDC	XII	03 05 27 30.9–1.2	24.29S	179.88E	507–11	4.4,3.6b		**¶621611347**
GFZ	XII	03 05 27 31.3–.58	24S–5.0	180E–7.0	512–7	6.7,6.5		
NEIC	XII	03 05 27 32.1–1.7	24.3S–.10	180.0W–.10	518–9	4.3b,6.5		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(212) Bonin Islands region

ISC	**XII**	**03 11 59 31.3–.42**	**28.03N–.04**	**139.80E–.05**	**454–3**	**4.5b**	**629**	**2-152**
MOS	XII	03 11 59 29.5–.75	28.00N	139.68E	445	4.6b		**¶621611996**
GFZ	XII	03 11 59 30.5–.39	28N–4.0	140E–5.0	446–4	5.3b,4.7b		
NIED	XII	03 11 59 30.6	28.09N	139.98E	445	4.4W,4.7b		
BJI	XII	03 11 59 30.8	27.98N	139.76E	474	4.9b,4.7b		
JMA	XII	03 11 59 30.6–.13	28N–1.0	140E–2.0	445	4.3,4.7b		
IDC	XII	03 11 59 31.8–.85	28.06N	139.71E	454–8	4.9,4.1b		
NEIC	XII	03 11 59 31.8–1.4	28.07N–.08	139.7E–.10	454–8	4.4b,4.1b		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.59 $M_{\theta\theta}$3.94 $M_{\phi\phi}$-1.35 $M_{r\theta}$1.24 $M_{\theta\phi}$-2.61 $M_{\phi r}$-1.25 NP1:ϕ_S78.00000°,δ44.00000°,λ-142.00000°. NP2:ϕ_S320.00000°,δ65.00000°,λ-52.00000°. $M_0$4.37000×10^{15}
JMA Event type fe. W OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region

ISC	**XII**	**06 01 06 39.7–.45**	**18.12S–.08**	**178.51W–.08**	**550**	**4.4b**	**117**	**3-152**
NEIC	XII	06 01 06 39.7–1.6	18.2S–.10	178.5W–.10	538–3	4.5b		**¶621613043**
GFZ	XII	06 01 06 40.5–.54	18S–6.0	178W–8.0	565–5	6.4,6.4		
IDC	XII	06 01 06 40.9–1.6	18.18S	178.59W	558–17	4.2,3.3b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=15.8km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=17.9km s-min=13.2km az=84.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=20.6km s-min=16.4km az=125.0.

(171) South of Fiji Islands

ISC	**XII**	**13 00 36 47.6–.30**	**22.14S–.04**	**179.43W–.04**	**580–3**	**5.1b**	**1031**	**5-175**
NOU	XII	13 00 36 40.7	22.37S	178.32W	583	5.3b		**¶621627928**
BGR	XII	13 00 36 45.7	22.93S	178.58W	599–2	5.3b		
NEIC	XII	13 00 36 46.7–1.9	22.14S–.09	179.50W–.10	562–5	5.0b		
BJI	XII	13 00 36 46.5	21.83S	178.89W	579	5.3b,5.0b		
GFZ	XII	13 00 36 48.5–.37	22S–3.0	179W–4.0	586–6	5.5b,5.2b		
IDC	XII	13 00 36 48.8–.45	22.12S	179.54W	584–4	5.1,4.2b		

ISC Event type ke.
NOU South of Fiji Islands.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=12.7km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=10.3km s-min=9.4km az=122.0.

(171) South of Fiji Islands

ISC	**XII**	**15 07 14 12.3–.41**	**25.82S–.04**	**179.94W–.04**	**468–4**	**5.1b**	**774**	**4-167**
IDC	XII	15 07 14 11.5–.73	25.83S	179.96E	454–6	5.3,4.5b		**¶621883703**
NOU	XII	15 07 14 11.3	25.85S	179.66W	491	5.4b,4.5b		
BJI	XII	15 07 14 12.3	25.56S	179.45W	483	5.2b,5.2b		
GFZ	XII	15 07 14 12.4–.42	26S–3.0	180W–3.0	466–7	5.8b,5.3b		
NEIC	XII	15 07 14 13.6–2.3	25.89S–.08	179.99W–.10	473–5	5.0b,5.3b		
GCMT	XII	15 07 14 14.0–.40	25.81S–.04	179.85W–.06	463–3	5.3W,5.3b		

ISC Event type se.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202112150714A. Moment Tensor Solution. s52,c60;Duration: 1s_0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04±.04 $M_{\theta\theta}$0.42±.07; $M_{\phi\phi}$-0.38±.07; $M_{r\theta}$-0.26±.07; $M_{\theta\phi}$-0.89±.05; $M_{\phi r}$-0.51±.06; Best double couple: NP1:ϕ_S81.00000°,δ69.00000°,λ-164.00000°. NP2:ϕ_S345.00000°,δ75.00000°,λ-21.00000°. Principal axes: T 1.0040,Plg4.0000°,Azm34.0000°; N 0.2250,Plg64.0000°,Azm132.0000°; P -1.2290,Plg26.0000°,Azm302.0000° $M_0$1.11600×10^{17}

(177) Kermadec Islands region

ISC	**XII**	**16 08 02 36.8–.30**	**31.02S–.04**	**179.64W–.06**	**350**	**4.6b**	**400**	**2-171**
BGR	XII	16 08 02 22.7	33.76S	177.54W	360	4.6b		**¶621630970**
NEIC	XII	16 08 02 37.7–1.2	31.0S–.10	179.7W–.10	355–5	4.7b		
IDC	XII	16 08 02 38.4–1.2	30.80S	179.95W	359–11	4.8,4.1b		
WEL	XII	16 08 02 38.6–1.1	31S–7.0	179W–18	345–19	5.5b,5.0		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

(280) Banda Sea

ISC	**XII**	**16 11 03 31.1–.29**	**6.24S–.03**	**127.97E–.03**	**394–2**	**5.1b**	**967**	**3-167**
BJI	XII	16 11 03 28.8	6.23S	128.22E	395	5.0b,4.7b		**¶621631007**
NEIC	XII	16 11 03 30.8	6.20S	127.99E	379	5.0b,4.7b		
MOS	XII	16 11 03 30.3–.87	6.12S	128.04E	393	5.0b,4.7b		
NEIC	XII	16 11 03 30.8–1.9	6.20S–.07	127.99E–.07	379–4	5.2b,4.7b		
GCMT	XII	16 11 03 31.2–.30	6.13S–.03	127.81E–.03	391–1	5.3W,4.7b		
DJA	XII	16 11 03 31.5–.10	6S–2.0	128E–1.0	385–1	6.0,5.7b		
GFZ	XII	16 11 03 31.3–.21	6S–2.0	128E–2.0	386–3	5.7b,5.2b		
NEIC	XII	16 11 03 31.3	6.20S	127.99E	380	5.2,5.2b		
IDC	XII	16 11 03 31.1–.59	6.24S	127.99E	392–5	5.2,4.5b		

ISC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=4.9km az=113.8.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=9.8km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202112161103A. Moment Tensor Solution. s84,c121;Duration: 1s_1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.33±.03 $M_{\theta\theta}$0.46±.04; $M_{\phi\phi}$-0.13±.04; $M_{r\theta}$-0.19±.04; $M_{\theta\phi}$0.79±.04; $M_{\phi r}$0.53±.04; Best double couple: NP1:ϕ_S94.00000°,δ60.00000°,λ-23.00000°. NP2:ϕ_S196.00000°,δ71.00000°,λ-148.00000°. Principal axes: T 1.0270,Plg7.0000°,Azm323.0000°; N 0.0550,Plg53.0000°,Azm224.0000°; P -1.0820,Plg36.0000°,Azm58.0000° $M_0$1.05500×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 2s_1 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.07 $M_{\theta\theta}$4.25 $M_{\phi\phi}$-2.17 $M_{r\theta}$-3.36 $M_{\theta\phi}$5.88 $M_{\phi r}$3.26 NP1:ϕ_S199.97000°,δ59.96000°,λ-159.85000°. NP2:ϕ_S99.56000°,δ72.65000°,λ-31.63000°. Principal axes: T 7.9091,Plg8.0000°,Azm152.0000°; N 0.8479,Plg54.0000°,Azm254.0000°; P -8.7570,Plg34.0000°,Azm56.0000° $M_0$8.37000×10^{16}
IDC Error ellipse: s-maj=8.8km s-min=5.4km az=70.0.

(181) Fiji Islands region

ISC	**XII**	**16 16 19 12.3–.37**	**18.16S–.08**	**178.11W–.07**	**590**	**4.2b**	**200**	**4-151**
GFZ	XII	16 16 19 06.4–.43	18S–5.0	178W–4.0	534–8	5.1b,4.8		**¶621631470**
NEIC	XII	16 16 19 07.1–2.8	18.1S–.10	178.1W–.10	519–6	4.3b,4.8		
IDC	XII	16 16 19 11.7–.98	18.04S	178.13W	575–10	4.4,3.5b		

ISC Event type se.
GFZ Error ellipse: s-maj=9.8km s-min=8.3km az=169.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=13.5km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=10.9km az=151.0.

(181) Fiji Islands region

ISC	**XII**	**17 20 02 29.8–.22**	**17.90S–.03**	**178.44W–.04**	**577–2**	**5.4b**	**1811**	**3-174**
BJI	XII	17 20 02 23.9	17.75S	178.09W	529	5.4b,5.4b		**¶621633308**
MOS	XII	17 20 02 28.0–.89	17.81S	178.59W	558	5.4b,5.4b		
NEIC	XII	17 20 02 28.7	17.96S	178.49W	554	5.4b,5.4b		
NOU	XII	17 20 02 29.1	17.86S	178.43W	571	5.7b,5.4b		
NEIC	XII	17 20 02 29.9	17.94S	178.51W	572	5.7b,5.4b		

NEIC	XII	17 20 02 30.0–2.2	17.99S–.08	178.50W–.09	575–3	5.8,5.3b
GFZ	XII	17 20 02 30.7	17.86S	178.59W	574	5.7W,5.3b
IDC	XII	17 20 02 30.2–.42	17.90S	178.58W	574–4	5.7,4.8b
GFZ	XII	17 20 02 30.7–.32	18S–3.0	179W–3.0	580–4	6.5,6.1b
GCMT	XII	17 20 02 34.0–.10	17.90S–.01	178.49W–.02	590–1	5.8W,6.1b
NEIC	XII	17 20 02 36.1	17.96S	178.70W	560	5.7,6.1b

ISC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=7.2km az=120.1.
NEIC Event type se.
NOU Fiji Islands Region.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.3km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.91 $M_{\theta\theta}$4.54 $M_{\phi\phi}$-1.64 $M_{r\theta}$3.07 $M_{\theta\phi}$-0.48 $M_{\phi r}$-4.50 NP1:ϕ_s65.04000°,δ31.76000°,λ-152.81000°. NP2:ϕ_s311.45000° ,δ76.09000°,λ-61.16000°. Principal axes: T 6.2630,Plg26.0000°,Azm19.0000° ; N 0.9165,Plg28.0000°,Azm124.0000°; P -7.1796,Plg50.0000°,Azm254.0000° $M_0$6.77000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.61 $M_{\theta\theta}$3.28 $M_{\phi\phi}$-1.67 $M_{r\theta}$1.35 $M_{\theta\phi}$-1.33 $M_{\phi r}$-2.50 NP1: ϕ_s66.89897°,δ42.34117°,λ-157.74826°. NP2:ϕ_s320.07264°,δ75.22313°,λ-49.85628°. Principal axes: T 4.3188,Plg20.0174°,Azm21.0479°; N -0.1745,Plg38.5637°,Azm127.9328° ; P -4.1443,Plg44.6688°,Azm269.9400° $M_0$4.23426×10^{17}
IDC Error ellipse: s-maj=8.5km s-min=6.8km az=158.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202112172002A. Moment Tensor Solution. s144,c280;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.30±.05 $M_{\theta\theta}$4.67±.07; $M_{\phi\phi}$-2.37±.07; $M_{r\theta}$1.52±.07; $M_{\theta\phi}$-1.38±.07; $M_{\phi r}$-3.24±.07; Best double couple: NP1:ϕ_s65.00000°,δ45.00000°,λ-156.00000°. NP2:ϕ_s317.00000° ,δ73.00000°,λ-47.00000°. Principal axes: T 5.5720,Plg17.0000°,Azm17.0000° ; N 0.0040,Plg40.0000°,Azm122.0000°; P -5.5760,Plg45.0000°,Azm269.0000° $M_0$5.57400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.24 $M_{\theta\theta}$3.75 $M_{\phi\phi}$-1.51 $M_{r\theta}$1.08 $M_{\theta\phi}$-1.14 $M_{\phi r}$-2.82 NP1:ϕ_s68.60000°,δ43.36000° ,λ-150.53000°. NP2:ϕ_s316.27000°,δ70.26000°,λ-50.58000°. Principal axes: T 4.4555,Plg16.0000°,Azm18.0000°; N 0.2639,Plg37.0000°,Azm121.0000° ; P -4.7194,Plg49.0000°,Azm269.0000° $M_0$4.59000×10^{17}

(181) Fiji Islands region

ISC	**XII**	**25 00 50 12.9–.42**	**19.91S–.04**	**177.77W–.05**	**445–3**	**4.9b**	**714**	**5-163**
NOU	XII	25 00 50 08.2	19.76S	177.30W	427	4.8b		**¶621883759**
BJI	XII	25 00 50 10.2	19.54S	177.05W	438	5.2b,4.7b		
GFZ	XII	25 00 50 11.0–.48	20S–4.0	178W–6.0	433–6	5.1b,4.8b		
IDC	XII	25 00 50 12.7–.75	19.86S	177.72W	439–6	5.0,4.3b		
NEIC	XII	25 00 50 12.1–1.8	19.84S–.10	177.7W–.10	434–5	4.9b,4.3b		
BGR	XII	25 00 50 15.8	20.31S	177.72W	476–10	4.9b,4.3b		

ISC Event type ke.
NOU Fiji Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=12.2km s-min=9.4km az=136.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=13.5km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

(181) Fiji Islands region

ISC	**XII**	**25 10 03 23.8–.29**	**18.03S–.06**	**179.28W–.06**	**622**	**4.6b**	**404**	**3-158**
GFZ	XII	25 10 03 22.6–.16	18S–3.0	179W–3.0	610	5.2b,4.7b		**¶621653363**
NEIC	XII	25 10 03 23.7–1.8	18.0S–.10	179.3W–.10	609–6	4.5b,4.7b		
NOU	XII	25 10 03 25.3	17.96S	179.43W	645	4.9b,4.7b		
IDC	XII	25 10 03 25.1–1.0	17.98S	179.37W	634–12	4.8,3.8b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=14.6km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=11.8km s-min=9.8km az=128.0.

(181) Fiji Islands region

ISC	**XII**	**25 12 39 25.6–.38**	**17.54S–.08**	**177.66W–.07**	**450**	**5.2b**	**268**	**4-164**
NOU	XII	25 12 39 20.4	17.43S	177.14W	425	5.2b		**¶621653372**
NEIC	XII	25 12 39 22.9–1.3	17.48S–.06	177.5W–.10	408–7	5.2b		
IDC	XII	25 12 39 25.3–1.9	17.44S	177.71W	427–19	4.8,4.1b		

ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.1km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.4km s-min=11.4km az=124.0.

(280) Banda Sea

ISC	**XII**	**25 23 39 13.8–.40**	**6.41S–.04**	**128.03E–.06**	**353**	**4.0b**	**126**	**3-152**
NEIC	XII	25 23 39 13.6–1.4	6.32S–.06	128.03E–.09	345–8	4.1b		**¶621653482**
DJA	XII	25 23 39 14.2–.20	6S–2.0	128E–2.0	339–5	5.1b,4.6		
IDC	XII	25 23 39 16.1–1.9	6.52S	127.78E	375–20	4.3,3.4b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.3km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.3km s-min=9.3km az=68.0.

(181) Fiji Islands region

ISC	**XII**	**26 15 42 56.2–.23**	**18.09S–.03**	**179.32W–.03**	**634–2**	**5.7b**	**2104**	**3-167**
BGR	XII	26 15 42 52.4	18.54S	178.63W	628–2	5.7b		**¶621883765**
BJI	XII	26 15 42 54.0	17.77S	178.95W	623	5.6b,5.5b		
PTWC	XII	26 15 42 55	17.80S	179.30W	666	6.1,5.5b		
GFZ	XII	26 15 42 56.8–.26	18S–3.0	179W–3.0	632–5	6.3,6.0b		
NEIC	XII	26 15 42 56.6	18.09S	179.35W	633	6.3,6.0b		
NOU	XII	26 15 42 56.2	18.13S	179.38W	634	5.6,6.0b		
GFZ	XII	26 15 42 56.8	18.05S	179.51W	638	5.8W,6.0b		
MOS	XII	26 15 42 56.5–1.2	17.98S	179.51W	637	5.9b,6.0b		
IPGP	XII	26 15 42 56.0	18.08S	179.36W	653	6.2W,6.0b		
NEIC	XII	26 15 42 57.1–1.8	18.11S–.07	179.35W–.09	639–2	6.1,5.6b		
NEIC	XII	26 15 42 57.1	18.10S	179.36W	639	6.1,5.6b		
IDC	XII	26 15 42 57.8–.42	18.07S	179.47W	642–3	5.9,5.0b		
GCMT	XII	26 15 43 01.7–.10	18.06S–.01	179.36W–.01	647–0	6.1W,5.0b		
NEIC	XII	26 15 43 03.5	18.10S	179.36W	640	6.1,5.0b		

ISC Event type ke.
BGR Event type ke.
PTWC FIJI REGION.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NOU Fiji Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.62 $M_{\theta\theta}$1.92 $M_{\phi\phi}$-1.30 $M_{r\theta}$1.91 $M_{\theta\phi}$3.92 $M_{\phi r}$-4.95 NP1: ϕ_s270.84908°,δ46.04500°,λ-11.53216°. NP2:ϕ_s8.90974°,δ81.72538°,λ-135.46097°. Principal axes: T 5.0573,Plg22.8943°,Azm132.0784°; N 2.6861,Plg44.8580°,Azm17.2304° ; P -7.7434,Plg36.3391°,Azm240.1770° $M_0$6.80994×10^{17}
MOS Error ellipse: s-maj=8.3km s-min=7.6km az=108.7.
IPGP Moment Tensor Solution. NP1:ϕ_s26.00000°,δ51.00000°,λ-173.00000°. NP2:ϕ_s291.00000° ,δ85.00000°,λ-39.00000°.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.6km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.16 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-0.59 $M_{r\theta}$1.08 $M_{\theta\phi}$0.76 $M_{\phi r}$-0.69 NP1:ϕ_s26.23000°,δ39.59000°,λ-173.31000°. NP2:ϕ_s291.07000°,δ85.74000° ,λ-50.60000°. Principal axes: T 1.5138,Plg30.0000°,Azm350.0000°; N 0.2359,Plg39.0000° ,Azm108.0000°; P -1.7497,Plg37.0000°,Azm235.0000° $M_0$1.64000×10^{18}
NEIC Event type se.
IDC Error ellipse: s-maj=8.3km s-min=6.7km az=157.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202112261542A. Moment Tensor Solution. s153,c344; s122,c157;Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.36±.01 $M_{\theta\theta}$1.22±.01; $M_{\phi\phi}$-0.86±.01; $M_{r\theta}$1.16±.01; $M_{\theta\phi}$0.97±.01; $M_{\phi r}$-0.77±.01; Best double couple: NP1:ϕ_s28.00000°,δ47.00000°,λ-169.00000°. NP2:ϕ_s291.00000°,δ82.00000°,λ-44.00000°. Principal axes: T 1.9390,Plg23.0000°,Azm347.0000°; N 0.1390,Plg45.0000°,Azm102.0000° ; P -2.0840,Plg36.0000°,Azm239.0000° $M_0$2.01200×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.29 $M_{\theta\theta}$0.97 $M_{\phi\phi}$-0.67 $M_{r\theta}$1.07 $M_{\theta\phi}$0.78 $M_{\phi r}$-0.63 NP1:ϕ_s28.10000°,δ43.05000° ,λ-169.41000°. NP2:ϕ_s290.32000°,δ82.79000°,λ-47.44000°. Principal axes: T 1.6433,Plg25.0000°,Azm348.0000°; N 0.1037,Plg42.0000°,Azm104.0000° ; P -1.7470,Plg37.0000°,Azm237.0000° $M_0$1.70000×10^{18}

(181) Fiji Islands region

ISC	**XII**	**26 23 45 20.4–.38**	**21.81S–.04**	**179.42W–.04**	**598–4**	**5.0b**	**940**	**5-164**
NOU	XII	26 23 45 17.1	21.69S	178.92W	608	5.2b		**¶621653691**
GFZ	XII	26 23 45 20.8–.35	22S–3.0	179W–2.0	590–4	5.5b,5.1b		
IDC	XII	26 23 45 20.9–.77	21.74S	179.43W	595–8	5.2,4.3b		
NEIC	XII	26 23 45 20.0–1.3	21.78S–.09	179.39W–.05	585–5	4.9b,4.3b		
BGR	XII	26 23 45 22.3	22.22S	179.07W	624–8	4.9b,4.3b		
GCMT	XII	26 23 45 23.1–.40	22.18S–.05	179.51W–.04	588–3	5.3W,4.3b		

ISC Event type ke.
NOU Fiji Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202112262345A. Moment Tensor Solution. s59,c70;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.07±.04 $M_{\theta\theta}$-0.41±.07; $M_{\phi\phi}$0.34±.06; $M_{r\theta}$-0.21±.07; $M_{\theta\phi}$-0.39±.06; $M_{\phi r}$-1.02±.06; Best double couple: NP1:ϕ_s106.00000°,δ27.00000°,λ178.00000°. NP2:ϕ_s198.00000° ,δ89.00000°,λ63.00000°. Principal axes: T 1.2510,Plg40.0000°,Azm83.0000° ; N -0.1680,Plg27.0000°,Azm199.0000°; P -1.0830,Plg38.0000°,Azm312.0000° $M_0$1.16700×10^{17}

(181) Fiji Islands region

ISC	**XII**	**28 17 34 34.6–.47**	**18.14S–.05**	**178.35W–.05**	**593–5**	**4.6b**	**508**	**3-167**
GFZ	XII	28 17 34 34.9–.15	18S–3.0	178W–3.0	584	5.6,5.4		**¶621655835**
NEIC	XII	28 17 34 34.1–1.9	18.10S–.09	178.33W–.09	580–5	4.6b,5.4		
BGR	XII	28 17 34 35.6	18.46S	178.00W	600	4.6b,5.4		
IDC	XII	28 17 34 36.8–.82	18.06S	178.54W	605–8	4.9,4.0b		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.2km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=8.5km az=144.0.

(220) Northwest of Kuril Islands

ISC	**XII**	**29 14 00 47.8–.34**	**51.68N–.03**	**153.00E–.03**	**417–3**	**4.7b**	**1022**	**2-157**
KRSC	XII	29 14 00 44.0–1.9	51.33N	153.20E	440–24	5.6L		**¶625562035**
BJI	XII	29 14 00 44.0	51.80N	152.80E	390	5.1b,5.0b		
MOS	XII	29 14 00 46.6–.74	51.63N	153.07E	425	4.9b,5.0b		
IDC	XII	29 14 00 48.1–.45	51.78N	152.89E	416–4	5.1,4.3b		
GFZ	XII	29 14 00 48.5–.36	52N–4.0	153E–4.0	411–4	5.2b,5.0b		
NEIC	XII	29 14 00 48.3–1.4	51.77N–.09	152.8E–.10	415–5	4.7b,5.0b		

ISC Event type se.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region

ISC	**XII**	**30 00 19 54.9–.39**	**21.69S–.05**	**179.34W–.04**	**599–4**	**5.2b**	**874**	**5-168**
BGR	XII	30 00 18 47.6	22.97S	177.73W	33	5.2b		**¶621657275**
NOU	XII	30 00 19 34.1	21.66S	176.99W	522	5.2b		
NEIC	XII	30 00 19 54.7–1.4	21.68S–.09	179.34W–.07	586–5	5.1b		
IDC	XII	30 00 19 56.0–.50	21.69S	179.39W	604–4	5.3,4.4b		
GFZ	XII	30 00 19 55.4–.44	22S–5.0	179W–6.0	608–7	5.4b,5.2b		

ISC Event type ke.
BGR Event type ke.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(181) Fiji Islands region

ISC	**XII**	**30 10 14 48.5–.32**	**16.18S–.06**	**176.05W–.05**	**360**	**4.5b**	**302**	**5-150**
IDC	XII	30 10 14 48.8–1.2	16.12S	176.12W	356–12	4.6,3.9b		**¶621657467**
NEIC	XII	30 10 14 48.5–1.8	16.2S–.10	175.95W–.09	358–6	4.5b,3.9b		
GFZ	XII	30 10 14 48.6–.21	16S–3.0	176W–4.0	361	5.5b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

FELT AND DAMAGING EARTHQUAKES

(221) Kuril Islands

ISC	**VII**	**01 00 10 52.5–1.2**	**44.40N–.06**	**148.41E–.07**	**44–11**	**3.6b,3.0s**	**78**	**1-82**	
IDC	VII	01 00 10 47.1–.76	44.60N	148.30E	0	3.7b,3.6			¶620669121
MOS	VII	01 00 10 52.2–1.2	44.52N	148.43E	57	3.9b,3.6			
JMA	VII	01 00 10 53.7–.32	44N–2.0	148E–2.0	40	4.7,3.6			
SKHL	VII	01 00 10 53.0–.10	44.40N	148.50E	49–5	5.3b,3.6			
NIED	VII	01 00 10 54.2	44.09N	148.38E	49	3.8W,3.6			

ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=10.9km az=156.0.
MOS Event type fe. Error ellipse: s-maj=11.3km s-min=9.9km az=83.9. Felt (II-III) at Reydovo. Moment Tension Solution.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.94 $M_{\theta\theta}$1.54 $M_{\phi\phi}$-3.48 $M_{r\theta}$-0.12 $M_{\theta\phi}$-1.81 $M_{\phi r}$3.58 NP1:ϕ_s235.00000°,δ31.00000°,λ148.00000°. NP2:ϕ_s353.00000°,δ74.00000°,λ63.00000°. M_o4.85000×10^{14}

(249) Luzon

ISC	**VII**	**02 00 23 05.6–1.3**	**14.13N–.03**	**123.58E–.03**	**2–9**	**3.8b,2.6s**	**83**	**0-81**	
MAN	VII	02 00 23 06.4	14.13N	123.56E	1	5.0b,4.0s			¶620927702
IDC	VII	02 00 23 07.8–1.1	13.72N	123.87E	0	4.7L,3.9b			

ISC Event type se.
MAN Event type fe. INTENSITY IV - SAN JOSE CAMARINES SUR; CITY OF NAGA ; . INTENSITY III - LAGONOY AND PILI CAMARINES SUR.
IDC Error ellipse: s-maj=29.4km s-min=16.9km az=42.0.

(224) Hokkaido region

ISC	**VII**	**02 01 48 08.8–.79**	**41.55N–.04**	**142.08E–.04**	**65–7**	**4.1b**	**82**	**1-147**	
JMA	VII	02 01 48 08.8–.09	41.6N–.30	142.1E–.30	54–1	3.8			¶620927705
NIED	VII	02 01 48 08.8	41.57N	142.09E	54	3.8W			
NEIC	VII	02 01 48 08.4–1.9	41.50N–.05	142.16E–.08	62–8	4.2b			
IDC	VII	02 01 48 10.4–1.7	41.61N	142.15E	80–13	3.9,3.6b			

ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.61 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-3.47 $M_{r\theta}$1.84 $M_{\theta\phi}$-0.72 $M_{\phi r}$3.86 NP1:ϕ_s182.00000°,δ21.00000°,λ71.00000°. NP2:ϕ_s22.00000°,δ70.00000°,λ97.00000°. M_o5.59000×10^{14}
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=4.7km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=11.8km az=114.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**02 08 15 42.4–2.1**	**38.3N–.10**	**142.1E–.10**	**41**	**4.1b**	**13**	**0-68**	
IDC	VII	02 08 15 39.1–4.0	38.81N	142.19E	0	4.1b,3.9			¶620927735
NIED	VII	02 08 15 42.1	38.31N	142.10E	37	3.7W,3.9			
JMA	VII	02 08 15 42.1–.06	38.3N–.20	142.1E–.20	37–0	4.0,3.9			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.53 $M_{\theta\theta}$1.84 $M_{\phi\phi}$-2.37 $M_{r\theta}$1.52 $M_{\theta\phi}$-0.15 $M_{\phi r}$3.56 NP1:ϕ_s134.00000°,δ24.00000°,λ16.00000°. NP2:ϕ_s30.00000°,δ84.00000°,λ113.00000°. M_o4.31000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .

(228) Near east coast of eastern Honshu

ISC	**VII**	**02 16 45 59.4–1.4**	**35.78N–.03**	**140.98E–.06**	**10–9**	**3.6b,2.6s**	**26**	**0-75**	
IDC	VII	02 16 45 58.0–.88	35.77N	141.06E	0	3.7,3.6L			¶626138420
JMA	VII	02 16 46 01.1–.06	35.8N–.30	140.9E–.30	12–0	4.1,4.0			
NIED	VII	02 16 46 01.1	35.77N	140.90E	12	3.6W,4.0			

ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=13.3km az=79.0.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.97 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$3.61 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.61 $M_{\phi r}$-0.24 NP1:ϕ_s188.00000°,δ43.00000°,λ-90.00000°. NP2:ϕ_s8.00000°,δ47.00000°,λ-90.00000°. M_o3.34000×10^{14}

(226) Near west coast of eastern Honshu

JMA	**VII**	**03 11 55 23.9–.09**	**39.8N–.20**	**139.7E–.40**	**13–0**	**3.5**			
NIED	VII	03 11 55 23.9	39.80N	139.67E	13	3.2W			¶620973928

JMA Event type fe. OGA PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{13}Nm; M_{rr}-0.34 $M_{\theta\theta}$6.16 $M_{\phi\phi}$-5.82 $M_{r\theta}$-2.11 $M_{\theta\phi}$-1.50 $M_{\phi r}$-1.13 NP1:ϕ_s323.00000°,δ69.00000°,λ1.00000°. NP2:ϕ_s232.00000°,δ89.00000°,λ159.00000°. M_o6.61000×10^{13}

(228) Near east coast of eastern Honshu

ISC	**VII**	**03 16 24 00.5–.58**	**39.66N–.03**	**142.11E–.05**	**54–4**	**4.3b,3.2s**	**176**	**0-129**	
MOS	VII	03 16 23 59.8–.94	39.70N	142.19E	62	4.6b,3.2s			¶620733427
NIED	VII	03 16 24 00.3	39.63N	142.10E	49	4.1W,3.2s			
JMA	VII	03 16 24 00.3–.07	39.6N–.20	142.1E–.30	49–0	4.2,4.0			
IDC	VII	03 16 24 01.2–1.6	39.67N	142.09E	60–13	4.1,3.8b			
NEIC	VII	03 16 24 01.9–1.2	39.75N–.07	142.05E–.09	60–9	4.3b,3.8b			
GFZ	VII	03 16 24 02.3–.60	40N–5.0	142E–8.0	63–3	4.5b,4.5			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-0.96 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.16 $M_{\phi r}$1.00 NP1:ϕ_s184.00000°,δ22.00000°,λ75.00000°. NP2:ϕ_s20.00000°,δ68.00000°,λ96.00000°. M_o1.51000×10^{15}
JMA Event type fe. E OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(224) Hokkaido region

ISC	**VII**	**03 17 19 54.1–.61**	**41.89N–.04**	**142.51E–.03**	**62–5**	**4.4b**	**337**	**0-147**	
BJI	VII	03 17 19 51.8	41.78N	142.57E	64	4.9b,4.6s			¶620733429
NEIC	VII	03 17 19 53.8–2.0	41.91N–.05	142.51E–.08	55–6	4.4b,4.6s			
NIED	VII	03 17 19 54.0	41.90N	142.50E	63	4.3W,4.6s			
JMA	VII	03 17 19 54.0–.16	41.9N–.40	142.5E–.70	63–1	4.2,4.1			
MOS	VII	03 17 19 53.4–.90	41.94N	142.53E	67	4.7b,4.1			
GFZ	VII	03 17 19 54.5–.48	42N–6.0	143E–10	64–4	4.6b,4.6			
IDC	VII	03 17 19 55.1–1.5	41.94N	142.49E	67–12	4.2,4.0b			

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.7km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.85 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$-2.15 $M_{r\theta}$0.66 $M_{\theta\phi}$-0.73 $M_{\phi r}$1.47 NP1:ϕ_s202.00000°,δ29.00000°,λ89.00000°. NP2:ϕ_s23.00000°,δ61.00000°,λ91.00000°. M_o3.11000×10^{15}
JMA Event type fe. S OFF URAKAWA .
MOS Error ellipse: s-maj=6.8km s-min=5.2km az=103.4.
GFZ Error ellipse: s-maj=23.2km s-min=8.1km az=118.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.5km s-min=9.6km az=113.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**03 19 06 06.7–1.0**	**38.51N–.04**	**141.82E–.08**	**54–7**	**3.9b**	**63**	**0-73**	
JMA	VII	03 19 06 07.6–.08	38.5N–.20	141.7E–.40	53–0	3.8			¶620733435
IDC	VII	03 19 06 07.7–2.2	38.54N	141.87E	63–19	3.6,3.3b			
NIED	VII	03 19 06 07.6	38.54N	141.73E	53	3.6W,3.3b			
NEIC	VII	03 19 06 08.8–1.1	38.64N–.06	141.8E–.10	70–9	4.2b,3.3b			

ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.82 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$-1.65 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.13 $M_{\phi r}$2.28 NP1:ϕ_s183.00000°,δ19.00000°,λ86.00000°. NP2:ϕ_s8.00000°,δ71.00000°,λ91.00000°. M_o2.89000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**VII**	**04 06 35 21.7–.65**	**36.63N–.04**	**140.99E–.06**	**48–5**	**4.4b,3.4s**	**209**	**0-147**	
NIED	VII	04 06 35 21.7	36.65N	140.93E	49	4.1W,3.4s			¶626139864
JMA	VII	04 06 35 21.7–.09	36.7N–.20	140.9E–.30	49–0	4.6,4.2			
GFZ	VII	04 06 35 22.6–.37	37N–3.0	141E–4.0	59–3	4.7b,4.5			
NEIC	VII	04 06 35 22.7–1.4	36.65N–.06	141.04E–.09	51–7	4.4b,4.5			
IDC	VII	04 06 35 24.3–1.7	36.55N	140.77E	72–15	4.1,3.8b			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.99 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.43 $M_{\phi r}$1.02 NP1:ϕ_s210.00000°,δ24.00000°,λ103.00000°. NP2:ϕ_s15.00000°,δ67.00000°,λ84.00000°. M_o1.54000×10^{15}
JMA Event type fe. E OFF IBARAKI PREF .
GFZ Error ellipse: s-maj=9.3km s-min=4.9km az=112.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.5km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=9.5km az=76.0.

(238) Ryukyu Islands

ISC	**VII**	**04 13 32 05.8–1.3**	**28.09N–.03**	**128.10E–.04**	**17–8**	**4.4b,3.6s**	**167**	**1-99**	
IDC	VII	04 13 32 03.5–.54	28.07N	127.94E	0	4.0b,4.0			¶620733580
NIED	VII	04 13 32 04.7	28.13N	128.06E	14	4.4W,4.0			
JMA	VII	04 13 32 04.7–.20	28.1N–.30	128.1E–.50	14–2	4.4,4.3			
BJI	VII	04 13 32 05.0	27.70N	128.36E	44	4.6b,4.4b			
NEIC	VII	04 13 32 08.9–1.9	27.98N–.05	128.08E–.08	43–8	4.4b,4.4b			
GFZ	VII	04 13 32 09.9–.18	28N–3.0	128E–3.0	46	4.6,4.5b			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.99 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-0.17 $M_{r\theta}$0.19 $M_{\theta\phi}$3.79 $M_{\phi r}$2.32 NP1:ϕ_s93.00000°,δ57.00000°,λ-10.00000°. NP2:ϕ_s189.00000°,δ82.00000°,λ-147.00000°. M_o4.55000×10^{15}
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(224) Hokkaido region

ISC	**VII**	**04 22 49 14.5–2.4**	**43.22N–.07**	**145.55E–.08**	**53–15**		**24**	**0-1**	
SKHL	VII	04 22 49 14.8–.50	43.20N	145.60E	53–3	4.5b			¶626094313
JMA	VII	04 22 49 14.3–.14	43.2N–.40	145.6E–.60	55–1	3.3			

ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .

(238) Ryukyu Islands

ISC	**VII**	**04 23 04 16.3–1.4**	**28.11N–.03**	**128.05E–.04**	**6–10**	**4.0b,3.6s**	**76**	**1-87**	
IDC	VII	04 23 04 16.1–.69	28.07N	128.03E	0	3.8b,3.8			¶626139636
NEIC	VII	04 23 04 16.8–1.1	28.02N–.04	127.99E–.08	6–4	4.1b,3.8			
JMA	VII	04 23 04 17.0–.21	28.1N–.40	128.1E–.50	14–2	4.3,3.9			
NIED	VII	04 23 04 17.0	28.12N	128.09E	14	4.3W,3.9			

ISC Event type ke.
IDC Error ellipse: s-maj=21.3km s-min=11.4km az=84.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.1km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.88 $M_{\theta\theta}$0.42 $M_{\phi\phi}$0.46 $M_{r\theta}$-0.89 $M_{\theta\phi}$3.01 $M_{\phi r}$0.21 NP1:ϕ_s181.00000°,δ70.00000°,λ-169.00000°. NP2:ϕ_s88.00000°,δ80.00000°,λ-20.00000°. M_o3.19000×10^{15}

(328) East of Lake Baykal

ISC	**VII**	**05 07 36 38.9–.52**	**56.66N–.03**	**118.25E–.02**	**10**	**3.9b,3.3s**	**101**	**0-77**	
MOS	VII	05 07 36 37.2–1.7	56.76N	118.36E	8	4.1b,3.3s			¶620733792
IDC	VII	05 07 36 39.9–.97	56.64N	118.32E	0	3.8L,3.8			
BYKL	VII	05 07 36 39.9–.21	56.73N	118.35E	8–3	3.8L,3.8			

ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=12.0km s-min=7.8km az=85.5. Felt (III) at Novaya Chara. Moment Tensor Solution.
IDC Error ellipse: s-maj=18.9km s-min=15.2km az=44.0.
BYKL Event type se. FELT I=III MSK at Novaya Chara.

(238) Ryukyu Islands

ISC	**VII**	**05 19 06 06.6–.60**	**28.05N–.03**	**128.17E–.04**	**15–3**	**4.5b,4.1s**	**147**	**1-99**	
BJI	VII	05 19 06 03.6	27.92N	128.16E	6	4.7s,4.6b			¶626141221
NIED	VII	05 19 06 04.4	28.13N	128.08E	12	4.7W,4.6b			
JMA	VII	05 19 06 04.4–.31	28.1N–.60	128.1E–.70	12–3	4.5,4.0			
IDC	VII	05 19 06 04.6–.66	28.08N	127.92E	0	4.0b,4.0			
NEIC	VII	05 19 06 05.9–2.1	28.04N–.04	128.13E–.08	10–1	4.6b,4.0			
GCMT	VII	05 19 06 09.3–.30	28.14N–.02	128.07E–.02	12	4.8W,4.0			
GFZ	VII	05 19 06 10.3–.63	28N–8.0	129E–9.0	75–6	4.3b,4.3			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-0.11 $M_{r\theta}$-0.15 $M_{\theta\phi}$1.21 $M_{\phi r}$0.67 NP1:ϕ_s92.00000°,δ62.00000°,λ-12.00000°. NP2:ϕ_s188.00000°,δ79.00000°,λ-151.00000°. M_o1.43000×10^{16}
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107051906A. Moment Tensor Solution. s16,c19; s97,c137; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.00±.06 $M_{\theta\theta}$0.46±.06; $M_{\phi\phi}$-0.46±.06; $M_{r\theta}$0.59±.18; $M_{\theta\phi}$1.69±.04; $M_{\phi r}$0.01±.17; Best double couple: NP1:ϕ_s7.00000°,δ72.00000°,λ178.00000°. NP2:ϕ_s98.00000°,δ88.00000°,λ18.00000°. Principal axes: T 1.8740,Plg15.0000°,Azm324.0000°; N -0.0470,Plg71.0000°,Azm104.0000°; P -1.8270,Plg11.0000°,Azm231.0000° M_o1.85000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(238) Ryukyu Islands

ISC	**VII**	**05 22 30 19.0–.71**	**28.07N–.03**	**128.13E–.04**	**14–4**	**4.1b,3.7s**	**72**	**1-99**	
IDC	VII	05 22 30 17.3–.79	28.06N	127.78E	0	3.9,3.8b			¶626141376
NIED	VII	05 22 30 17.9	28.14N	128.09E	17	4.5W,3.8b			
JMA	VII	05 22 30 17.9–.25	28.1N–.40	128.1E–.60	17–2	4.4,4.0			
NEIC	VII	05 22 30 18.1–1.7	27.98N–.05	127.9E–.10	10–1	4.3b,4.0			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.16 $M_{\theta\theta}$1.02 $M_{\phi\phi}$0.14 $M_{r\theta}$-0.03 $M_{\theta\phi}$4.55 $M_{\phi r}$2.96 NP1:ϕ_s90.00000°,δ56.00000°,λ-10.00000°. NP2:ϕ_s186.00000°,δ81.00000°,λ-145.00000°. M_o5.52000×10^{15}
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(238) Ryukyu Islands

ISC	**VII**	**06 09 34 18.2–.58**	**27.86N–.03**	**128.41E–.04**	**69–6**	**4.5b**	**174**	**0-99**	
IDC	VII	06 09 34 12.7–.63	28.03N	127.87E	0	4.1,4.0b			¶620752022
JMA	VII	06 09 34 12.9–.29	28.1N–.50	128.1E–.60	7–2	4.7,4.4			
NIED	VII	06 09 34 12.9	28.14N	128.08E	7	4.5W,4.4			
BJI	VII	06 09 34 15.4	27.62N	128.58E	86	4.7b,4.5s			
NEIC	VII	06 09 34 19.5–1.0	27.74N–.06	128.41E–.08	83–6	4.6b,4.5s			
GFZ	VII	06 09 34 20.0–.31	28N–4.0	128E–4.0	84–5	4.5b,4.5			

ISC Event type ke.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.35 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$2.92 $M_{r\theta}$0.14 $M_{\theta\phi}$7.02 $M_{\phi r}$0.73 NP1:ϕ_s83.00000°,δ84.00000°,λ-1.00000°. NP2:ϕ_s173.00000°,δ89.00000°,λ-174.00000°. M_o7.27000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(227) Eastern Honshu

ISC	**VII**	**06 13 11 08.5–1.2**	**39.75N–.04**	**141.83E–.08**	**58–7**		**25**	**0-43**	
JMA	VII	06 13 11 08.5–.09	39.8N–.20	141.9E–.40	57–0	3.4			¶620928035
IDC	VII	06 13 11 23.2–3.2	41.91N	139.49E	0	3.9b,3.5			

ISC Event type se.
JMA Event type fe. NORTHERN IWATE PREF .
IDC Error ellipse: s-maj=75.1km s-min=14.9km az=148.0.

(259) Mindanao

ISC	**VII**	**06 14 38 17.2–1.1**	**7.09N–.03**	**125.25E–.04**	**17–8**	**4.4b,3.2s**	**83**	**0-95**	
IDC	VII	06 14 38 13.2–.96	6.72N	125.05E	0	3.8L,3.6			¶620928041
MAN	VII	06 14 38 15.8	7.37N	125.95E	15	5.2b,4.2s			
NEIC	VII	06 14 38 16.4–1.1	6.97N–.09	125.16E–.04	11–6	4.5b,4.2s			
DJA	VII	06 14 38 16.3–5.5	7N–39	126E–9.0	10–8	4.9b,4.6b			

ISC Event type se.
MAN Event type fe. INTENSITY III - MACO DAVAO DE ORO; CARMEN AND CITY OF TAGUM DAVAO DEL NORTE ; . INTENSITY II - MAWAB AND NABUNTURAN DAVAO DE ORO.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(238) Ryukyu Islands

ISC	**VII**	**06 20 58 32.3–1.5**	**28.06N–.04**	**128.15E–.05**	**10–10**	**3.9b,3.4s**	**38**	**1-87**
JMA	VII	06 20 58 31.0–.26	28.1N–.50	128.1E–.60	12–2	4.1,3.9		¶620928059
IDC	VII	06 20 58 30.6–.70	28.03N	127.93E	0	3.7b,3.7		
NIED	VII	06 20 58 31.0	28.13N	128.09E	12	4.1W,3.7		

ISC Event type ke.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=20.2km s-min=11.3km az=81.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.65 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$0.70 $M_{r\theta}$-0.13 $M_{\theta\phi}$1.62 $M_{\phi r}$-0.03 NP1:ϕ_s174.00000°,δ83.00000°,λ-176.00000°. NP2:ϕ_s83.00000° ,δ87.00000°,λ-7.00000°. M_o1.67000×10^{15}

(224) Hokkaido region

ISC	**VII**	**07 01 51 18.8–.50**	**43.10N–.04**	**144.24E–.03**	**95–4**	**4.1b**	**190**	**0-93**
MOS	VII	07 01 51 18.0–.87	43.09N	144.22E	103	4.1b		¶620757420
SKHL	VII	07 01 51 18.9–.30	43.10N	144.20E	98–2	6.2,5.3b		
IDC	VII	07 01 51 18.9–1.1	43.14N	144.26E	98–7	3.9,3.8s		
GFZ	VII	07 01 51 19.9–.82	43N–7.0	144E–12	102–6	4.2b,4.2		
JMA	VII	07 01 51 19.1–.12	43.1N–.40	144.3E–.50	92–0	3.9,3.9		
NEIC	VII	07 01 51 20.1–1.5	43.16N–.05	144.2E–.10	103–7	4.2b,3.9		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type fe. KUSHIRO REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(238) Ryukyu Islands

ISC	**VII**	**07 14 55 35.7–.65**	**28.02N–.03**	**128.14E–.03**	**24–4**	**4.5b,4.0s**	**228**	**1-99**
BJI	VII	07 14 55 31.7	27.72N	128.49E	35	4.8s,4.7b		¶620758698
NEIC	VII	07 14 55 33.8–1.1	28.05N–.04	128.07E–.07	10–1	4.6b,4.7b		
JMA	VII	07 14 55 33.2–.25	28.1N–.40	128.1E–.60	14–2	4.8,4.7W		
IDC	VII	07 14 55 33.0–.53	28.04N	127.91E	0	4.2,4.1b		
NIED	VII	07 14 55 33.2	28.14N	128.09E	14	4.7W,4.1b		
GCMT	VII	07 14 55 36.6–.30	28.16N–.01	128.11E–.02	15–1	4.8W,4.1b		
GFZ	VII	07 14 55 36.8–.17	28N–2.0	128E–2.0	31	4.6b,4.5		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$0.44 $M_{r\theta}$-0.10 $M_{\theta\phi}$1.05 $M_{\phi r}$0.02 NP1:ϕ_s173.00000°,δ82.00000°,λ-174.00000°. NP2:ϕ_s83.00000° ,δ85.00000°,λ-8.00000°. M_o1.09000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107071455A. Moment Tensor Solution. s13,c15; s98,c144; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.40±.07 $M_{\theta\theta}$0.17±.07; $M_{\phi\phi}$0.22±.06; $M_{r\theta}$0.38±.20; $M_{\theta\phi}$1.62±.05; $M_{\phi r}$0.45±.19; Best double couple: NP1:ϕ_s90.00000°,δ78.00000° ,λ8.00000°. NP2:ϕ_s359.00000°,δ82.00000°,λ168.00000°. Principal axes: T 1.9640,Plg14.0000°,Azm314.0000°; N -0.5430,Plg76.0000°,Azm147.0000° ; P -1.4230,Plg3.0000°,Azm45.0000° M_o1.69300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(236) Shikoku

ISC	**VII**	**07 16 24 35.6–.37**	**33.67N–.03**	**132.26E–.03**	**57–3**	**4.4b,3.5s**	**193**	**0-150**
JMA	VII	07 16 24 36.0–.07	33.7N–.20	132.3E–.20	50–0	4.4,4.3		¶620758701
GFZ	VII	07 16 24 35.8–.17	34N–3.0	132E–2.0	57	4.7b,4.7		
NEIC	VII	07 16 24 35.8–1.9	33.70N–.06	132.25E–.05	53–1	4.5b,4.7		
IDC	VII	07 16 24 35.8–.46	33.75N	132.22E	60–3	4.0,3.7b		
NIED	VII	07 16 24 36.0	33.71N	132.27E	50	4.4W,3.7b		

ISC Event type ke.
JMA Event type fe. IYONADA SETONAIKAI .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.1km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.0km s-min=6.0km az=138.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.83 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$-1.22 $M_{r\theta}$-0.16 $M_{\theta\phi}$-0.96 $M_{\phi r}$4.28 NP1:ϕ_s233.00000°,δ19.00000°,λ133.00000°. NP2:ϕ_s8.00000° ,δ76.00000°,λ77.00000°. M_o4.87000×10^{15}

(232) Western Honshu

ISC	**VII**	**07 17 39 05.6–1.3**	**34.06N–.03**	**132.91E–.03**	**26–12**	**3.3b**	**29**	**0-57**
IDC	VII	07 17 39 01.4–1.0	33.93N	133.09E	0	3.3b,3.3		¶620928133
JMA	VII	07 17 39 06.1–.04	34.1N–.10	132.9E–.10	43–0	3.9,3.9		
NIED	VII	07 17 39 06.1	34.08N	132.90E	43	3.8W,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=14.3km az=158.0.
JMA Event type fe. NE EHIME PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.06 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$3.02 $M_{r\theta}$1.69 $M_{\theta\phi}$-3.46 $M_{\phi r}$1.03 NP1:ϕ_s292.00000°,δ64.00000°,λ-151.00000°. NP2:ϕ_s188.00000° ,δ64.00000°,λ-30.00000°. M_o4.78000×10^{14}

(224) Hokkaido region

ISC	**VII**	**08 02 31 14.9–2.2**	**43.0N–.10**	**145.33E–.07**	**51–11**		**19**	**0-1**
JMA	VII	08 02 31 15.3–.11	43.0N–.30	145.3E–.50	49–1	3.4		¶626094455
SKHL	VII	08 02 31 16.2–.20	43.00N	145.30E	43–2	4.4b		

ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .

(263) Talaud Islands

ISC	**VII**	**08 10 09 17.2–.38**	**5.13N–.02**	**126.52E–.03**	**33–1**	**5.0b,4.3s**	**499**	**1-178**
MAN	VII	08 10 09 11.8	4.85N	126.60E	21	5.8b,5.2s		¶620773510
NEIC	VII	08 10 09 17.7–2.6	5.33N–.04	126.47E–.07	24–3	5.2,5.1b		
GFZ	VII	08 10 09 18.7–.40	5N–2.0	127E–3.0	34–3	5.0b,4.9		
BJI	VII	08 10 09 19.0	5.30N	126.50E	54	5.1b,4.9b		
IDC	VII	08 10 09 19.5–.86	5.26N	126.42E	46–7	4.7,4.5b		
DJA	VII	08 10 09 20.2–.30	5N–3.0	127E–2.0	45–3	5.4b,5.3		
GCMT	VII	08 10 09 20.4–.10	5.25N–.01	126.58E–.01	28–0	5.3W,5.3		

ISC Event type se.
MAN Event type fe. INTENSITY II - JOSE ABAD SANTOS DAVAO OCCIDENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107081009A. Moment Tensor Solution. s103,c156; s118,c209;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.68±.02 $M_{\theta\theta}$0.10±.01; $M_{\phi\phi}$-0.77±.01; $M_{r\theta}$0.07±.02; $M_{\theta\phi}$0.09±.01; $M_{\phi r}$0.77±.03; Best double couple: NP1: ϕ_s163.00000°,δ23.00000°,λ72.00000°. NP2:ϕ_s3.00000°,δ68.00000°,λ97.00000°. Principal axes: T 1.0250,Plg66.0000°,Azm286.0000°; N 0.0880,Plg7.0000°,Azm180.0000° ; P -1.1140,Plg23.0000°,Azm87.0000° M_o1.07000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VII**	**08 21 40 20.4–.85**	**37.82N–.04**	**141.11E–.06**	**72–6**	**3.7b**	**40**	**0-90**
JMA	VII	08 21 40 20.2–.07	37.8N–.20	141.1E–.30	75–0	3.8		¶620928202
IDC	VII	08 21 40 21.1–1.9	37.90N	141.10E	79–19	3.7,3.3b		

ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=25.5km s-min=14.0km az=107.0.

(212) Bonin Islands region

ISC	**VII**	**09 06 19 09.2–.59**	**27.44N–.07**	**141.69E–.09**	**35**	**4.3b,3.4s**	**38**	**1-150**
IDC	VII	09 06 19 04.2–.77	27.53N	141.54E	0	3.9b,3.8		¶620928230
NEIC	VII	09 06 19 06.6–2.0	27.51N–.04	141.56E–.05	10–1	4.5b,3.8		
JMA	VII	09 06 19 11.8–.09	27.4N–.60	142E–2.0	45	4.1,3.9		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR CHICHIJIMA ISLAND .

(224) Hokkaido region

ISC	**VII**	**09 07 47 14.3–.60**	**43.31N–.04**	**144.28E–.04**	**141–5**	**4.1b**	**96**	**0-85**
NIED	VII	09 07 47 14.5	43.29N	144.30E	141	3.8W		¶620928240
NEIC	VII	09 07 47 15.0–.92	43.34N–.07	144.2E–.20	145–8	4.1b		
JMA	VII	09 07 47 14.9–.14	43.3N–.60	144.3E–.70	139–1	3.9,3.8		
SKHL	VII	09 07 47 15.4–.50	43.40N	144.30E	132–2	5.8,5.0b		
IDC	VII	09 07 47 16.4–1.6	43.59N	144.24E	147–8	4.0,3.6b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.99 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$2.37 $M_{r\theta}$-3.28 $M_{\theta\phi}$0.58 $M_{\phi r}$-4.07 NP1:ϕ_s148.00000°,δ19.00000°,λ-160.00000°. NP2:ϕ_s39.00000° ,δ84.00000°,λ-72.00000°. M_o5.63000×10^{14}
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.5km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. KUSHIRO REGION .
IDC Error ellipse: s-maj=29.6km s-min=16.6km az=172.0.

(259) Mindanao

ISC	**VII**	**09 08 34 52.5–.76**	**8.46N–.02**	**123.29E–.03**	**27–5**	**4.6b,3.5s**	**251**	**0-146**
IDC	VII	09 08 34 47.8–.47	8.39N	122.99E	0	4.7L,4.4		¶620784561
BJI	VII	09 08 34 48.6	8.35N	123.36E	17	4.9b,4.8b		
GFZ	VII	09 08 34 51.5–.18	8N–3.0	123E–4.0	10	4.9,4.9b		
NEIC	VII	09 08 34 51.2–1.9	8.58N–.07	123.25E–.07	10–1	4.6b,4.9b		
MAN	VII	09 08 34 52.8	8.43N	123.35E	20	5.3b,4.5s		

ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=9.5km az=59.0.
GFZ Error ellipse: s-maj=9.6km s-min=5.2km az=67.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=11.1km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - CITY OF DIPOLOG AND KATIPUNAN ZAMBOANGA DEL NORTE ; . INTENSITY II - CITY OF DUMAGUETE AND ZAMBOANGUITA NEGROS ORIENTAL; LARENA LAZI MARIA SAN JUAN AND SIQUIJOR SIQUIJOR; LILOY PINAN AND ; POLANCO ZAMBOANGA DEL NORTE; MOLAVE ZAMBOANGA DEL SUR; TUBOD LANAO DEL NORTE ; . INTENSITY I - SANTA CATALINA SIATON AND SIBULAN NEGROS ORIENTAL; TAMPILISAN ZAMBOANGA DEL NORTE.

(228) Near east coast of eastern Honshu

ISC	**VII**	**09 16 26 10.7–.78**	**40.48N–.04**	**142.03E–.05**	**63–7**	**4.2b**	**84**	**0-88**
NIED	VII	09 16 26 11.4	40.42N	141.96E	63	4.0W		¶620786367
JMA	VII	09 16 26 11.4–.09	40.4N–.20	142.0E–.30	63–0	4.0,3.9		
IDC	VII	09 16 26 11.1–1.7	40.53N	142.02E	68–14	3.9,3.7b		
NEIC	VII	09 16 26 12.0–1.6	40.50N–.07	141.88E–.08	66–8	4.3b,3.7b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.30 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$-2.12 $M_{r\theta}$1.83 $M_{\theta\phi}$-0.77 $M_{\phi r}$-9.08 NP1:ϕ_s36.00000°,δ9.00000°,λ136.00000°. NP2:ϕ_s170.00000° ,δ84.00000°,λ84.00000°. M_o9.54000×10^{14}
JMA Event type fe. NE OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(229) Off east coast of Honshu

ISC	**VII**	**09 20 23 44.0–.39**	**37.24N–.03**	**143.82E–.03**	**15–2**	**5.4b,4.9s**	**1103**	**2-162**
IDC	VII	09 20 23 42.2–.36	37.14N	143.79E	0	5.0b,5.0		¶620787245
NEIC	VII	09 20 23 43.8	37.22N	143.80E	15	5.0b,5.0		
GFZ	VII	09 20 23 43.6–.35	37N–3.0	144E–5.0	10	5.3b,5.1		
JMA	VII	09 20 23 45.0–.09	37.2N–.30	143.7E–.30	32–1	5.3W,5.2		
BJI	VII	09 20 23 44.8	37.31N	143.20E	5	5.3b,5.2s		
NEIC	VII	09 20 23 44.1	37.22N	143.80E	16	5.3,5.2s		
NIED	VII	09 20 23 45.0	37.17N	143.72E	32	5.2W,5.2s		
GFZ	VII	09 20 23 44.6	37.22N	143.76E	14	5.3W,5.2s		
NEIC	VII	09 20 23 44.8–1.5	37.28N–.07	143.8E–.10	19–3	5.4b,5.2s		
MOS	VII	09 20 23 46.2–.99	37.50N	143.71E	27	5.5b,5.2s		
GCMT	VII	09 20 23 47.6–.10	37.19N–.01	143.65E–.01	12	5.3W,5.2s		
BGR	VII	09 20 23 48.9	37.55N	143.61E	33	5.5b,5.0s		

ISC Event type ke.
IDC Error ellipse: s-maj=9.1km s-min=8.7km az=145.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type fe. FAR E OFF NORTH HONSHU .
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21 $M_{\theta\theta}$0.33 $M_{\phi\phi}$0.88 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.26 $M_{\phi r}$0.34 NP1:ϕ_s28.01000°,δ37.74000° ,λ-79.08000°. NP2:ϕ_s194.30000°,δ53.06000°,λ-98.34000°. Principal axes: T 1.0223,Plg8.0000°,Azm290.0000°; N 0.2450,Plg7.0000°,Azm199.0000° ; P -1.2673,Plg80.0000°,Azm69.0000° M_o1.16000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.15 $M_{\theta\theta}$1.99 $M_{\phi\phi}$5.16 $M_{r\theta}$-2.42 $M_{\theta\phi}$2.29 $M_{\phi r}$0.72 NP1:ϕ_s193.00000°,δ45.00000°,λ-113.00000°. NP2:ϕ_s43.00000° ,δ49.00000°,λ-69.00000°. M_o7.13000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-10.30 $M_{\theta\theta}$3.20 $M_{\phi\phi}$7.09 $M_{r\theta}$-0.24 $M_{\theta\phi}$2.36 $M_{\phi r}$2.46 NP1: ϕ_s199.02297°,δ51.78468°,λ-96.92406°. NP2:ϕ_s30.12932°,δ38.74297°,λ-81.29493°. Principal axes: T 8.4480,Plg6.5509°,Azm293.9453°; N 2.2112,Plg5.4351°,Azm203.3192° ; P -10.6592,Plg81.4727°,Azm73.9315° M_o9.74365×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.3km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.7km s-min=3.5km az=110.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107092023A. Moment Tensor Solution. s119,c216; s158,c336;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$0.21±.01; $M_{\phi\phi}$0.77±.01; $M_{r\theta}$-0.09±.03; $M_{\theta\phi}$0.28±.01; $M_{\phi r}$0.53±.03; Best double couple: NP1:ϕ_s33.00000° ,δ33.00000°,λ-69.00000°. NP2:ϕ_s189.00000°,δ59.00000°,λ-103.00000°. Principal axes: T 0.9940,Plg13.0000°,Azm288.0000°; N 0.1480,Plg11.0000°,Azm195.0000° ; P -1.1420,Plg72.0000°,Azm67.0000° M_o1.06800×10^{17}
BGR Event type ke.

(717) Afghanistan-Tajikistan border region

ISC	**VII**	**10 02 14 43.2–.38**	**38.91N–.02**	**70.61E–.02**	**15–2**	**5.9s,5.8b**	**2442**	**1-149**
IDC	VII	10 02 14 40.6–.32	38.84N	70.66E	0	5.6b,5.6		¶620787256
MOS	VII	10 02 14 41.1–1.1	38.88N	70.64E	11	6.1b,5.8s		
KRNET	VII	10 02 14 42.7–.10	39.03N	70.56E		6.5b,5.8s		
ISC-P	VII	10 02 14 42	38.92N	70.56E	5–0	,5.8s		
NEIC	VII	10 02 14 42.9–2.1	38.92N–.04	70.56E–.08	12–3	5.9,5.8b		
NNC	VII	10 02 14 42.3–1.1	39.08N	70.34E	0	6.4b,5.8		
SOME	VII	10 02 14 42.1	38.73N	70.45E	10	6.4b,5.8		
GFZ	VII	10 02 14 43.4	38.91N	70.65E	16	5.8W,5.8		
NEIC	VII	10 02 14 43.6	38.95N	70.59E	15	5.8W,5.8		
GFZ	VII	10 02 14 43.5–.09	39N–2.0	71E–1.0	10	6.2b,5.9b		
GCMT	VII	10 02 14 44.7–.10	39.00N–.01	70.47E–.01	12	5.8W,5.9b		
BGR	VII	10 02 14 45.4	39.04N	70.70E	33	6.0s,5.8b		
PTWC	VII	10 02 14 47	39.00N	70.60E	42	5.7,5.8b		
BJI	VII	10 02 14 48.0	38.85N	71.15E	40	6.2s,6.1L		
NEIC	VII	10 02 14 51.2	39.05N	70.47E	22	5.7,6.1L		

ISC Event type ke.
IDC Error ellipse: s-maj=8.1km s-min=6.8km az=179.0.
MOS Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=109.0. Felt (III-IV) at Fergana, Gulistan, Namangan, Andizhan, (III) at Dzhizak, Tashkent, Samarkand, Termez, Karshi, Navoi, (II-III) at Dushanbe. Moment Tensor Solution.
ISC-P Moment Tensor Solution. s47 Moment tensor: M_{rr}0.50±.15 $M_{\theta\theta}$-0.18±.14; $M_{\phi\phi}$0.48±.13; $M_{r\theta}$-0.28±.13; $M_{\theta\phi}$-0.35±.10; $M_{\phi r}$-0.20±.12; NP1:ϕ_s112.00000°,δ36.20000°,λ156.00000°. NP2: ϕ_s221.80000°,δ76.10000°,λ56.20000°.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.1km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=42.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.24 $M_{\theta\theta}$-2.25 $M_{\phi\phi}$-2.99 $M_{r\theta}$2.21 $M_{\theta\phi}$-2.46 $M_{\phi r}$-1.01 NP1: ϕ_s202.29192°,δ44.51328°,λ60.51514°. NP2:ϕ_s60.70363°,δ52.39057°,λ115.82241°. Principal axes: T 6.1487,Plg69.3512°,Azm31.5627°; N -0.9891,Plg20.1857°,Azm224.2511° ; P -5.1596,Plg4.1690°,Azm132.7154° M_o5.71870×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107100214A. Moment Tensor Solution. s138,c258; s161,c379;Duration: 2ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.09±.06 $M_{\theta\theta}$-2.37±.06; $M_{\phi\phi}$-2.72±.05; $M_{r\theta}$-1.86±.18; $M_{\theta\phi}$-4.60±.05; $M_{\phi r}$-3.36±.17; Best double couple: NP1: ϕ_s59.00000°,δ31.00000°,λ113.00000°. NP2:ϕ_s213.00000°,δ62.00000°,λ77.00000°. Principal axes: T 6.3400,Plg70.0000°,Azm94.0000°; N 1.8530,Plg12.0000°,Azm219.0000° ; P -8.1920,Plg16.0000°,Azm312.0000° M_o7.26600×10^{17}

BGR Event type ke.
PTWC AFGHANISTAN-TAJIKISTAN BORDER REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}2.87 $M_{\theta\theta}$-2.77 $M_{\phi\phi}$-0.10 $M_{r\theta}$1.89 $M_{\theta\phi}$-2.41 $M_{\phi r}$-0.34 NP1:ϕ_s213.12000°,δ40.22000° ,λ47.99000°. NP2:ϕ_s82.84000°,δ61.33000°,λ119.51000°. Principal axes: T 3.7731,Plg62.0000°,Azm40.0000°; N 0.7114,Plg26.0000°,Azm248.0000° ; P -4.4845,Plg12.0000°,Azm152.0000° M_o4.17000×10^{17}

(259) Mindanao

ISC	**VII**	**10 18 45 18.9–.28**	**6.40N–.03**	**124.04E–.03**	**69–2**	**4.9b**	**526**	**1-122**
BJI	VII	10 18 45 18.0	6.45N	124.18E	74	4.9b,4.7s		**¶620787390**
IDC	VII	10 18 45 18.3–.48	6.39N	123.94E	60–4	4.5,4.1b		
MAN	VII	10 18 45 18.3	6.47N	123.94E	31	5.5b,4.7s		
NEIC	VII	10 18 45 19.8–1.1	6.38N–.07	124.04E–.06	77–6	4.9b,4.7s		
GFZ	VII	10 18 45 19.2–.18	6N–2.0	124E–4.0	63	4.9,4.8b		
GCMT	VII	10 18 45 20.4–.30	6.46N–.02	124.06E–.03	72–3	4.8W,4.8b		
DJA	VII	10 18 45 21.3–.20	6N–2.0	124E–1.0	54–2	5.5,5.4b		

ISC Event type se.
MAN Event type fe. INTENSITY IV - KALAMANSIG LEBAK AND PALIMBANG SULTAN KUDARAT; . INTENSITY III - CITY OF COTABATO; . INTENSITY II - PRESIDENT QUIRINO SULTAN KUDARAT; . INTENSITY I - CITY OF ZAMBOANGA.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107101845A. Moment Tensor Solution. s26,c27; s67,c95; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.09±.12 $M_{\theta\theta}$1.46±.09; $M_{\phi\phi}$-0.37±.11; $M_{r\theta}$-0.73±.06; $M_{\theta\phi}$1.07±.08; $M_{\phi r}$0.68±.07; Best double couple: NP1:ϕ_s212.00000°,δ51.00000° ,λ-146.00000°. NP2:ϕ_s99.00000°,δ64.00000°,λ-44.00000°. Principal axes: T 2.0030,Plg8.0000°,Azm158.0000°; N -0.0760,Plg40.0000°,Azm254.0000° ; P -1.9280,Plg49.0000°,Azm59.0000° M_o1.96500×10^{16}

(238) Ryukyu Islands

ISC	**VII**	**10 18 49 12.3–.96**	**28.02N–.03**	**128.15E–.04**	**13–6**	**4.3b,3.8s**	**91**	**1-99**
NIED	VII	10 18 49 10.9	28.16N	128.09E	10	4.5W,3.8s		**¶620928375**
JMA	VII	10 18 49 10.9–.28	28.2N–.50	128.1E–.70	10–2	4.5,4.2		
NEIC	VII	10 18 49 11.5–1.6	27.94N–.05	128.18E–.03	10–1	4.6b,4.2		
IDC	VII	10 18 49 11.1–.69	28.01N	127.92E	0	4.1b,4.1		
BJI	VII	10 18 49 15.6	28.07N	128.11E	46	4.6b,4.5s		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.26 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$2.29 $M_{r\theta}$-0.39 $M_{\theta\phi}$5.92 $M_{\phi r}$-0.09 NP1:ϕ_s175.00000°,δ85.00000°,λ-178.00000°. NP2:ϕ_s84.00000° ,δ88.00000°,λ-5.00000°. M_o6.05000×10^{15}
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=3.6km az=336.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=11.7km az=76.0.

(226) Near west coast of eastern Honshu

ISC	**VII**	**11 00 16 40.7–.94**	**37.52N–.04**	**137.26E–.04**	**11–6**	**3.6b**	**23**	**0-80**
IDC	VII	11 00 16 38.5–.91	37.48N	137.25E	0	3.6b,3.6		**¶620928387**
JMA	VII	11 00 16 40.7–.05	37.5N–.10	137.3E–.20	13–0	4.2,3.9		
NIED	VII	11 00 16 40.7	37.51N	137.27E	13	3.7W,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=11.1km az=43.0.
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.84 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-3.65 $M_{r\theta}$-0.11 $M_{\theta\phi}$-0.72 $M_{\phi r}$-1.42 NP1:ϕ_s14.00000°,δ35.00000°,λ94.00000°. NP2:ϕ_s189.00000° ,δ55.00000°,λ87.00000°. M_o4.07000×10^{14}

(238) Ryukyu Islands

ISC	**VII**	**11 02 34 11.6–.68**	**28.06N–.03**	**128.13E–.04**	**13–4**	**4.5s,4.5b**	**163**	**1-93**
BJI	VII	11 02 34 07.4	27.66N	128.07E	10	4.9b,4.5s		**¶620787425**
IDC	VII	11 02 34 09.7–.54	28.05N	128.02E	0	4.3s,4.1b		
JMA	VII	11 02 34 09.7–.35	28.1N–.60	128.1E–.80	10–3	4.7,4.5		
NIED	VII	11 02 34 09.7	28.13N	128.10E	10	4.8W,4.5		
NEIC	VII	11 02 34 11.3–2.2	28.00N–.03	128.09E–.08	10–1	4.5b,4.5		
GFZ	VII	11 02 34 11.6–.18	28N–3.0	128E–3.0	10	5.1,4.7b		
GCMT	VII	11 02 34 15.7–.30	28.18N–.02	128.05E–.02	12	4.8W,4.7b		

ISC Event type ke.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.49 $M_{\theta\theta}$0.29 $M_{\phi\phi}$0.20 $M_{r\theta}$-0.14 $M_{\theta\phi}$1.24 $M_{\phi r}$0.97 NP1:ϕ_s86.00000°,δ51.00000°,λ-17.00000°. NP2:ϕ_s187.00000° ,δ77.00000°,λ-139.00000°. M_o1.64000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107110234A. Moment Tensor Solution. s10,c10; s89,c124; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.07 $M_{\theta\theta}$0.41±.08; $M_{\phi\phi}$-0.24±.07; $M_{r\theta}$0.70±.20; $M_{\theta\phi}$1.74±.05; $M_{\phi r}$0.34±.20; Best double couple: NP1:ϕ_s4.00000°,δ71.00000° ,λ172.00000°. NP2:ϕ_s96.00000°,δ82.00000°,λ19.00000°. Principal axes: T 2.1100,Plg19.0000°,Azm321.0000°; N -0.3970,Plg70.0000°,Azm117.0000° ; P -1.7130,Plg8.0000°,Azm229.0000° M_o1.91100×10^{16}

(224) Hokkaido region

ISC	**VII**	**11 03 08 10.0–.76**	**42.23N–.06**	**143.03E–.04**	**56–7**	**3.9b**	**40**	**0-86**
SKHL	VII	11 03 08 10.9–.10	42.20N	143.00E	51–5	4.9b		**¶620928398**
IDC	VII	11 03 08 10.2–2.1	42.29N	143.07E	62–15	3.7,3.5b		
JMA	VII	11 03 08 11.7–.10	42.3N–.30	143.0E–.30	42–0	3.6,3.5b		

ISC Event type ke.
JMA Event type fe. HIDAKA MOUNTAINS REGION .

(259) Mindanao

ISC	**VII**	**11 17 07 19.2–.91**	**8.79N–.03**	**126.59E–.05**	**47–8**	**4.4b,3.5s**	**119**	**0-94**
MAN	VII	11 17 07 18.7	8.78N	126.57E	27	5.2b,4.3s		**¶620928432**
NEIC	VII	11 17 07 23.7–1.9	8.78N–.02	126.3E–.10	78–8	4.3b,4.3s		
IDC	VII	11 17 07 25.1–1.7	8.68N	126.48E	108–16	4.3,3.9b		

ISC Event type se.
MAN Event type fe. INTENSITY II - CAGWAIT MARIHATAG AND SAN AGUSTIN SURIGAO DEL SUR.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=2.9km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=11.5km az=72.0.

(259) Mindanao

ISC	**VII**	**12 06 04 31.4–1.1**	**7.62N–.02**	**124.81E–.02**	**3–9**	**3.7b,2.9s**	**66**	**0-57**
MAN	VII	12 06 04 31.4	7.71N	124.84E	1	5.2b,4.3s		**¶620928463**
IDC	VII	12 06 04 32.0–2.7	7.29N	124.62E	0	3.7b,3.7		

ISC Event type se.
MAN Event type fe. INTENSITY III - DON CARLOS AND KADINGILAN BUKIDNON; AMAI MANABILANG AND WAO LANAO ; DEL SUR; . INTENSITY II - DAMULOG DANGCAGAN KALILANGAN KIBAWE MARAMAG AND PANGANTUCAN ; BUKIDNON; PRESIDENT ROXAS COTABATO.
IDC Error ellipse: s-maj=309.4km s-min=23.1km az=65.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**12 11 25 29.6–1.7**	**38.51N–.04**	**142.27E–.08**	**27–12**	**3.6b**	**29**	**1-59**
IDC	VII	12 11 25 31.2–2.4	38.47N	142.51E	45–23	3.8,3.3L		**¶620928485**
NIED	VII	12 11 25 32.5	38.57N	142.02E	49	3.5W,3.3L		
JMA	VII	12 11 25 32.5–.06	38.6N–.20	142.0E–.20	49–0	3.9,3.3L		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.76 $M_{\theta\theta}$0.80 $M_{\phi\phi}$-1.56 $M_{r\theta}$-0.89 $M_{\theta\phi}$-0.86 $M_{\phi r}$0.21 NP1:ϕ_s341.00000°,δ61.00000°,λ29.00000°. NP2:ϕ_s235.00000° ,δ64.00000°,λ148.00000°. M_o1.84000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .

(259) Mindanao

ISC	**VII**	**12 11 25 42.7–.98**	**7.70N–.02**	**124.81E–.02**	**12–7**	**3.7b,3.0s**	**76**	**0-82**
IDC	VII	12 11 25 40.2–.96	8.05N	126.03E	0	3.8b,3.8		**¶620928486**
MAN	VII	12 11 25 42.3	7.69N	124.85E	1	5.2b,4.3s		

ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=12.8km az=96.0.
MAN Event type fe. INTENSITY III - DON CARLOS AND KADINGILAN BUKIDNON ; . INTENSITY II - DAMULOG DANGCAGAN KALILANGAN KIBAWE KITAOTAO AND MARAMAG BUKIDNON.

(221) Kuril Islands

ISC	**VII**	**13 00 30 17.5–.21**	**46.14N–.03**	**151.64E–.02**	**53–1**	**5.9b,5.2s**	**2879**	**3-156**
BJI	VII	13 00 30 12.1	46.27N	151.96E	35	5.9b,5.7b		**¶620804947**
NEIC	VII	13 00 30 16.9	46.16N	151.62E	36	5.9b,5.7b		
IPGP	VII	13 00 30 16.0	46.18N	151.65E	46	5.7W,5.7b		
PTWC	VII	13 00 30 16	45.90N	151.80E	38	5.8,5.7b		
SKHL	VII	13 00 30 17.6–.20	45.90N	152.00E	72–7	6.5b,5.8s		
NEIC	VII	13 00 30 17.3	45.86N	152.06E	60	5.6,5.8s		
MOS	VII	13 00 30 17.0–1.0	46.22N	151.56E	58	5.9b,5.4s		
ISC-P	VII	13 00 30 17	46.17N	151.62E	34–0	6.1,5.4s		
GFZ	VII	13 00 30 17.1	46.13N	151.65E	36	5.8W,5.4s		
NEIC	VII	13 00 30 17.7–1.8	46.17N–.07	151.62E–.10	44–3	6.1b,5.2		
GFZ	VII	13 00 30 17.1–.18	46N–2.0	152E–2.0	41–1	6.1b,5.8		
IDC	VII	13 00 30 18.6–.86	46.19N	151.56E	56–6	5.5,5.2b		
NIED	VII	13 00 30 20.7	45.59N	151.50E	30	5.8W,5.2b		
JMA	VII	13 00 30 20.7–1.3	46N–4.0	152E–8.0	30	6.2,5.7W		
GCMT	VII	13 00 30 20.0–.10	46.06N–.01	151.86E–.01	59–1	5.7W,5.7W		
BGR	VII	13 00 30 24.2	47.24N	149.94E	33	5.8b,5.4s		

ISC Event type ke.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s22.00000°,δ11.00000°,λ112.00000°. NP2:ϕ_s179.00000° ,δ80.00000°,λ86.00000°.
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.52 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.46 $M_{r\theta}$0.90 $M_{\theta\phi}$0.09 $M_{\phi r}$-2.80 NP1:ϕ_s353.21000°,δ4.87000° ,λ100.88000°. NP2:ϕ_s162.29000°,δ85.21000°,λ89.08000°. Principal axes: T 3.0083,Plg50.0000°,Azm71.0000°; N -0.0420,Plg1.0000°,Azm162.0000° ; P -2.9663,Plg40.0000°,Azm253.0000° M_o2.99000×10^{17}
MOS Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=99.8. Felt (III) at Gornyy; (II-III) at Kuril'sk, Reydovo, Yuzhno-Kuril'sk. Moment Tensor Solution.
ISC-P Moment Tensor Solution. s51 Moment tensor: Scale 10^{18}Nm; M_{rr}0.12±.21 $M_{\theta\theta}$-0.37±.26; $M_{\phi\phi}$0.36±.17; $M_{r\theta}$0.05±.21; $M_{\theta\phi}$-0.35±.15; $M_{\phi r}$0.48±.17; NP1:ϕ_s159.50000°,δ83.20000° ,λ149.80000°. NP2:ϕ_s253.40000°,δ60.00000°,λ7.80000°. M_o1.58000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.06 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.58 $M_{\phi r}$-5.02 NP1: ϕ_s181.61765°,δ77.93067°,λ84.82498°. NP2:ϕ_s25.03701°,δ13.11686°,λ112.87192°. Principal axes: T 5.3309,Plg56.7734°,Azm84.9334°; N 0.3867,Plg5.0603°,Azm182.7025° ; P -5.7176,Plg32.7385°,Azm275.9663° M_o5.53438×10^{17}
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.3km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=4.1km s-min=2.9km az=125.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=8.5km s-min=7.4km az=127.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}5.71 $M_{\theta\theta}$-4.92 $M_{\phi\phi}$-0.79 $M_{r\theta}$0.97 $M_{\theta\phi}$-1.13 $M_{\phi r}$-3.69 NP1:ϕ_s232.00000°,δ50.00000°,λ56.00000°. NP2:ϕ_s99.00000° ,δ50.00000°,λ124.00000°. M_o6.37000×10^{17}
JMA Event type fe. KURILE ISLANDS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107130030A. Moment Tensor Solution. s155,c321; s173,c348;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.04 $M_{\theta\theta}$-1.06±.04; $M_{\phi\phi}$0.32±.04; $M_{r\theta}$-0.01±.03; $M_{\theta\phi}$0.08±.03; $M_{\phi r}$-4.55±.05; Best double couple: NP1: ϕ_s318.00000°,δ2.00000°,λ49.00000°. NP2:ϕ_s180.00000°,δ89.00000°,λ91.00000°. Principal axes: T 5.0830,Plg46.0000°,Azm91.0000°; N -1.0600,Plg1.0000°,Azm360.0000° ; P -4.0270,Plg44.0000°,Azm269.0000° M_o4.55500×10^{17}
BGR Event type ke.

(219) Off east coast of Kamchatka Peninsula

ISC	**VII**	**13 02 28 56.0–.40**	**52.47N–.03**	**160.55E–.02**	**24–2**	**5.3b,5.2s**	**1475**	**1-161**
IDC	VII	13 02 28 53.0–.35	52.58N	160.28E	0	5.3,5.2b		**¶620804953**
BJI	VII	13 02 28 53.3	52.80N	159.94E	10	5.6s,5.5		
KRSC	VII	13 02 28 54.1–1.3	52.37N	160.73E	51–18	5.7L,5.5		
GFZ	VII	13 02 28 55.3–.26	53N–4.0	161E–4.0	10	5.5b,5.2		
GFZ	VII	13 02 28 55.5	52.58N	160.39E	19	5.2W,5.2		
NEIC	VII	13 02 28 55.2–1.6	52.50N–.08	160.51E–.04	15–3	5.3b,5.2		
MOS	VII	13 02 28 58.1–.90	52.52N	160.33E	59	5.7b,5.3s		
BGR	VII	13 02 28 59.7	52.74N	159.51E	33	5.6b,5.0s		
GCMT	VII	13 02 29 00.8–.10	52.39N–.01	160.65E–.01	28–0	5.4W,5.0s		

ISC Event type ke.
KRSC Event type se. Felt [II-III] at Petropavlovsk; Felt at Ribachiy, Elizovo.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}7.67 $M_{\theta\theta}$-3.16 $M_{\phi\phi}$-4.52 $M_{r\theta}$-0.16 $M_{\theta\phi}$-5.25 $M_{\phi r}$2.70 NP1: ϕ_s236.60123°,δ40.62369°,λ113.44362°. NP2:ϕ_s26.86048°,δ53.32022°,λ71.15619°. Principal axes: T 8.4048,Plg73.5526°,Azm243.0914°; N 0.9482,Plg15.0127°,Azm38.3830° ; P -9.3530,Plg6.5639°,Azm130.1514° M_o8.91676×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107130228A. Moment Tensor Solution. s115,c202; s139,c273;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.02 $M_{\theta\theta}$-0.58±.02; $M_{\phi\phi}$-0.55±.02; $M_{r\theta}$0.71±.03; $M_{\theta\phi}$-0.62±.01; $M_{\phi r}$0.77±.03; Best double couple: NP1: ϕ_s228.00000°,δ24.00000°,λ94.00000°. NP2:ϕ_s43.00000°,δ66.00000°,λ88.00000°. Principal axes: T 1.5340,Plg69.0000°,Azm310.0000°; N 0.0500,Plg2.0000°,Azm44.0000° ; P -1.5840,Plg21.0000°,Azm135.0000° M_o1.55900×10^{17}

(221) Kuril Islands

ISC	**VII**	**13 03 22 10.9–1.1**	**44.47N–.05**	**148.45E–.07**	**57–10**	**3.7b**	**81**	**1-82**
MOS	VII	13 03 22 10.2–.81	44.49N	148.38E	62	4.3b		**¶620805498**
SKHL	VII	13 03 22 11.7–.20	44.50N	148.40E	66–3	5.1b		
JMA	VII	13 03 22 11.9–.40	44N–2.0	148E–2.0	70	4.4		
IDC	VII	13 03 22 13.8–2.2	44.61N	148.21E	81–19	3.7,3.6s		

ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=11.3km s-min=8.3km az=61.8. Felt (II-III) at Gornyy. Moment Tensor Solution.
JMA Event type ke. SE OFF ETOROFU .
IDC Error ellipse: s-maj=20.3km s-min=14.9km az=144.0.

(235) Kyushu

ISC	**VII**	**13 19 09 13.2–1.0**	**31.29N–.04**	**131.46E–.08**	**46–8**	**3.6b,3.4s**	**39**	**0-76**
NIED	VII	13 19 09 12.0	31.27N	131.65E	27	4.1W,3.4s		**¶620928554**
JMA	VII	13 19 09 12.0–.16	31.3N–.40	131.7E–.70	27–1	3.9,3.4s		
IDC	VII	13 19 09 15.3–1.8	31.33N	131.34E	64–14	3.7,3.4b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.49 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-0.78 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.59 $M_{\phi r}$0.79 NP1:ϕ_s226.00000°,δ28.00000°,λ95.00000°. NP2:ϕ_s40.00000° ,δ63.00000°,λ87.00000°. M_o1.72000×10^{15}
JMA Event type fe. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=22.9km s-min=12.9km az=85.0.

(219) Off east coast of Kamchatka Peninsula

ISC	**VII**	**14 02 42 58.7–.42**	**52.34N–.03**	**160.63E–.03**	**26–2**	**4.9b,4.6s**	**1004**	**1-161**
KRSC	VII	14 02 42 56.8–1.4	52.35N	160.80E	35–18	5.4L,4.9		**¶620823852**
NEIC	VII	14 02 42 56.0–1.5	52.39N–.08	160.62E–.09	10–1	4.9b,4.9		
IDC	VII	14 02 42 56.0–.48	52.61N	160.36E	0	5.0L,4.6b		
BJI	VII	14 02 42 57.0	52.76N	160.32E	22	5.0s,5.0		
MOS	VII	14 02 43 00.3–.89	52.43N	160.47E	38	5.2b,4.7s		
GFZ	VII	14 02 43 01.2–.27	52N–4.0	160E–3.0	29–1	5.0b,5.0		
GCMT	VII	14 02 43 03.3–.30	52.23N–.02	160.69E–.04	29–1	5.0W,5.0		
BGR	VII	14 02 43 04.1	52.82N	160.35E	30	4.7b,5.0		

ISC Event type ke.
KRSC Event type se. Felt [II] at Petropavlovsk.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.9km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.5km s-min=8.9km az=163.0.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=101.1. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
GFZ Error ellipse: s-maj=9.5km s-min=5.2km az=142.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107140242A. Moment Tensor Solution. s46,c58; s91,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.28±.21 $M_{\theta\theta}$-2.21±.14; $M_{\phi\phi}$-1.08±.13; $M_{r\theta}$1.89±.21; $M_{\theta\phi}$-1.77±.08; $M_{\phi r}$1.72±.19; Best double couple: NP1:ϕ_s238.00000°,δ27.00000°,λ97.00000°. NP2:ϕ_s50.00000°,δ64.00000°,λ86.00000°. Principal axes: T 4.1430,Plg71.0000°,Azm312.0000°; N 0.1970,Plg3.0000°,Azm52.0000° ; P -4.3510,Plg18.0000°,Azm143.0000° M_o4.24700×10^{16}

BGR Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VII**	**14 20 17 05.8–1.4**	**36.63N–.05**	**141.0E–.10**	**44–10**	**3.3b**	**24**	**0-57**
IDC	VII	14 20 16 59.1–2.1	36.67N	141.28E	0	3.4b,3.3		¶620928614
JMA	VII	14 20 17 06.6–.09	36.7N–.20	140.9E–.30	48–0	3.1,3.3		

ISC Event type ke.

JMA Event type fe. E OFF IBARAKI PREF .

(228) Near east coast of eastern Honshu

ISC	**VII**	**15 08 40 32.7–.89**	**37.94N–.05**	**141.62E–.07**	**95–6**	**3.6b**	**46**	**0-89**
IDC	VII	15 08 40 32.7–1.8	38.05N	141.41E	85–15	3.8,3.5b		¶620928634
NIED	VII	15 08 40 34.0	37.98N	141.55E	89	3.7W,3.5b		
JMA	VII	15 08 40 34.0–.09	38.0N–.30	141.6E–.40	89–0	3.7,3.5b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.08 $M_{\theta\theta}$1.43 $M_{\phi\phi}$2.65 $M_{r\theta}$-0.74 $M_{\theta\phi}$-0.83 $M_{\phi r}$-1.54 NP1:ϕ_s144.00000°,δ38.00000°,λ-111.00000°. NP2:ϕ_s350.00000°,δ55.00000°,λ-75.00000°. M_o3.90000×10^{14}

JMA Event type fe. SE OFF MIYAGI PREF .

(248) Philippine Islands region

ISC	**VII**	**15 10 27 42.5–1.3**	**19.00N–.03**	**121.06E–.04**	**9–8**	**4.1b,3.2s**	**113**	**0-88**
IDC	VII	15 10 27 40.9–.54	18.96N	121.14E	0	4.0b,4.0		¶620829519
NEIC	VII	15 10 27 42.9–1.2	18.97N–.04	121.1E–.10	10–1	4.3b,4.0		
MAN	VII	15 10 27 44.0	19.22N	120.88E	6	5.2b,4.3s		

ISC Event type se.

IDC Error ellipse: s-maj=17.8km s-min=12.1km az=87.0.

NEIC Event type se. Error ellipse: s-maj=17.0km s-min=5.5km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MAN Event type fe. INTENSITY II - SANTA PRAXEDES CAGAYAN.

(211) Southeast of Honshu

ISC	**VII**	**15 14 03 59.9–.48**	**33.29N–.03**	**139.50E–.05**	**10**	**4.1b,3.7s**	**46**	**0-148**
NIED	VII	15 14 03 58.9	33.29N	139.50E	14	4.6W,3.7s		¶620830007
JMA	VII	15 14 03 58.9–.11	33.3N–.30	139.5E–.90	14–2	4.4,3.9		
IDC	VII	15 14 03 58.3–.63	33.15N	139.49E	0	4.0b,4.0		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.20 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$5.10 $M_{r\theta}$1.27 $M_{\theta\phi}$-0.82 $M_{\phi r}$6.10 NP1:ϕ_s333.00000°,δ22.00000°,λ-124.00000°. NP2:ϕ_s189.00000°,δ72.00000°,λ-77.00000°. M_o7.85000×10^{15}

JMA Event type fe. NEAR HACHIJOJIMA ISLAND .

IDC Error ellipse: s-maj=15.4km s-min=12.6km az=22.0.

(211) Southeast of Honshu

ISC	**VII**	**16 04 19 57.6–.34**	**33.22N–.02**	**139.62E–.03**	**14–1**	**5.3b,5.1s**	**1229**	**0-161**
BJI	VII	16 04 19 49.6	33.11N	140.27E	10	5.5s,5.4b		¶625560846
NIED	VII	16 04 19 57.0	33.27N	139.48E	16	5.4W,5.4b		
JMA	VII	16 04 19 57.0–.08	33.3N–.20	139.5E–.70	16–1	5.4,5.4W		
IDC	VII	16 04 19 57.0–1.3	33.16N	139.55E	10–7	5.0,4.9b		
GFZ	VII	16 04 19 57.6	33.26N	139.58E	10	5.4W,4.9b		
PTWC	VII	16 04 19 57	33.20N	139.60E	21	5.6,4.9b		
NEIC	VII	16 04 19 58.0–1.6	33.28N–.05	139.53E–.05	12–0	5.4b,4.9b		
NEIC	VII	16 04 19 57.6	33.29N	139.48E	8	5.4b,4.9b		
MOS	VII	16 04 19 57.0–.89	33.33N	139.45E	14	5.4s,5.4b		
GFZ	VII	16 04 19 57.6–.11	33N–2.0	140E–2.0	10	5.7b,5.2b		
NEIC	VII	16 04 19 58	33.09N	139.96E	12	5.4,5.2b		
GCMT	VII	16 04 19 59.5–.10	33.19N–.01	139.54E–.01	12	5.4W,5.2b		
BGR	VII	16 04 20 01.3	33.52N	140.70E	14–1	5.8,5.5b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.16 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$1.49 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.18 $M_{\phi r}$0.48 NP1:ϕ_s13.00000°,δ37.00000°,λ-61.00000°. NP2:ϕ_s158.00000°,δ58.00000°,λ-110.00000°. M_o1.48000×10^{17}

JMA Event type fe. NEAR HACHIJOJIMA ISLAND .

IDC Error ellipse: s-maj=9.8km s-min=7.5km az=52.0.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$1.56 $M_{r\theta}$-0.14 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.22 NP1: ϕ_s142.49328°,δ60.27700°,λ-133.16117°. NP2:ϕ_s24.62793°,δ50.69393°,λ-39.84894°. Principal axes: T 1.6346,Plg5.5858°,Azm261.5717°; N -0.7023,Plg36.4452°,Azm167.4299° ; P -0.9323,Plg52.9885°,Azm359.0258° M_o1.42024×10^{17}

PTWC IZU ISLANDS, JAPAN REGION.

NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.1km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

MOS Error ellipse: s-maj=6.4km s-min=3.3km az=115.5.

GFZ Error ellipse: s-maj=4.8km s-min=4.1km az=139.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$1.59 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.52 $M_{\phi r}$-0.07 NP1:ϕ_s23.01000°,δ57.50000°,λ-33.92000°. NP2:ϕ_s132.88000°,δ61.92000°,λ-142.48000°. Principal axes: T 1.7095,Plg3.0000°,Azm257.0000°; N -0.0308,Plg44.0000°,Azm164.0000° ; P -1.6787,Plg45.0000°,Azm350.0000° M_o1.69000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107160419A. Moment Tensor Solution. s101,c174; s161,c300;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.02 $M_{\theta\theta}$-0.92±.02; $M_{\phi\phi}$1.94±.02; $M_{r\theta}$-0.13±.05; $M_{\theta\phi}$-0.50±.02; $M_{\phi r}$0.80±.04; Best double couple: NP1: ϕ_s349.00000°,δ31.00000°,λ-93.00000°. NP2:ϕ_s172.00000°,δ59.00000°,λ-88.00000°. Principal axes: T 2.2270,Plg14.0000°,Azm260.0000°; N -1.0020,Plg1.0000°,Azm351.0000° ; P -1.2220,Plg76.0000°,Azm86.0000° M_o1.72500×10^{17}

BGR Event type ke.

(211) Southeast of Honshu

ISC	**VII**	**16 04 30 00.0–1.5**	**33.29N–.04**	**139.47E–.05**	**1–10**	**4.0b**	**61**	**0-150**
IDC	VII	16 04 29 59.1–.81	32.97N	139.41E	0	3.9b,3.9		¶620928678
JMA	VII	16 04 30 01.0–.09	33.3N–.20	139.4E–.60	12–1	3.7,3.9		
NEIC	VII	16 04 30 02.3–2.1	33.21N–.06	139.42E–.04	10–1	4.2b,3.9		

ISC Event type ke.

JMA Event type fe. NEAR HACHIJOJIMA ISLAND .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(211) Southeast of Honshu

ISC	**VII**	**16 04 54 55.1–1.1**	**33.31N–.04**	**139.52E–.06**	**12–7**	**4.2b**	**79**	**0-150**
IDC	VII	16 04 54 53.5–.49	33.44N	139.68E	0	4.0b,4.0		¶620928682
NIED	VII	16 04 54 54.8	33.23N	139.47E	10	4.3W,4.0		
JMA	VII	16 04 54 54.8–.15	33.2N–.40	139.5E–.80	10–2	4.3,4.2		
NEIC	VII	16 04 54 55.1–1.1	33.27N–.08	139.48E–.04	10–1	4.5b,4.2		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.34 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$2.52 $M_{r\theta}$-1.21 $M_{\theta\phi}$-0.61 $M_{\phi r}$1.70 NP1:ϕ_s4.00000°,δ28.00000°,λ-62.00000°. NP2:ϕ_s153.00000°,δ65.00000°,λ-104.00000°. M_o3.26000×10^{15}

JMA Event type fe. NEAR HACHIJOJIMA ISLAND .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(211) Southeast of Honshu

ISC	**VII**	**16 05 09 52.3–.64**	**33.28N–.05**	**139.59E–.08**	**22**	**3.7b**	**31**	**0-94**
IDC	VII	16 05 09 49.7–.69	33.35N	139.63E	0	3.7b,3.7		¶626151072
NIED	VII	16 05 09 50.6	33.22N	139.47E	17	4.2W,3.7		
JMA	VII	16 05 09 50.6–.14	33.2N–.40	139E–1.0	17–2	4.2,4.0		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.68 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$2.01 $M_{r\theta}$-0.78 $M_{\theta\phi}$-0.36 $M_{\phi r}$0.99 NP1:ϕ_s11.00000°,δ33.00000°,λ-58.00000°. NP2:ϕ_s154.00000°,δ63.00000°,λ-109.00000°. M_o2.28000×10^{15}

JMA Event type fe. NEAR HACHIJOJIMA ISLAND .

(211) Southeast of Honshu

ISC	**VII**	**16 05 51 43.6–.51**	**33.27N–.04**	**139.61E–.08**	**22**	**4.2b**	**64**	**0-150**
JMA	VII	16 05 51 42.0–.12	33.2N–.40	139.5E–.80	13–2	3.9		¶620928694
NIED	VII	16 05 51 42.0	33.24N	139.48E	13	4.3W		
IDC	VII	16 05 51 41.1–.59	33.38N	139.70E	0	3.9b,3.9		
NEIC	VII	16 05 51 42.6–1.3	33.29N–.07	139.55E–.06	10–1	4.4b,3.9		

ISC Event type ke.

JMA Event type fe. NEAR HACHIJOJIMA ISLAND .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.78 $M_{\theta\theta}$0.18 $M_{\phi\phi}$1.60 $M_{r\theta}$-0.66 $M_{\theta\phi}$-0.08 $M_{\phi r}$2.03 NP1:ϕ_s5.00000°,δ20.00000°,λ-72.00000°. NP2:ϕ_s166.00000°,δ71.00000°,λ-96.00000°. M_o2.72000×10^{15}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(211) Southeast of Honshu

ISC	**VII**	**16 06 01 49.2–.63**	**33.21N–.05**	**139.42E–.06**	**10**	**3.8b**	**43**	**0-94**
IDC	VII	16 06 01 47.5–.86	33.23N	139.39E	0	4.0L,3.7		¶620928695
JMA	VII	16 06 01 49.8–.11	33.3N–.30	139.5E–.70	11–1	3.8,3.7		
NEIC	VII	16 06 01 49.2–.74	33.11N–.09	139.39E–.05	10–2	4.3b,3.7		
NIED	VII	16 06 01 49.8	33.26N	139.47E	11	4.2W,3.7		

ISC Event type ke.

IDC Error ellipse: s-maj=20.0km s-min=11.2km az=28.0.

JMA Event type fe. NEAR HACHIJOJIMA ISLAND .

NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.6km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.11 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$1.25 $M_{r\theta}$-1.12 $M_{\theta\phi}$-0.05 $M_{\phi r}$1.31 NP1:ϕ_s19.00000°,δ24.00000°,λ-42.00000°. NP2:ϕ_s149.00000°,δ74.00000°,λ-108.00000°. M_o2.08000×10^{15}

(211) Southeast of Honshu

ISC	**VII**	**16 11 50 38.6–1.1**	**33.23N–.03**	**139.44E–.05**	**14–7**	**4.1b,3.6s**	**85**	**0-150**
IDC	VII	16 11 50 37.0–.57	33.30N	139.46E	0	4.1L,3.7b		¶626151414
NIED	VII	16 11 50 38.7	33.24N	139.46E	10	4.5W,3.7b		
JMA	VII	16 11 50 38.7–.10	33.2N–.20	139.5E–.60	10–1	4.5,4.0		
NEIC	VII	16 11 50 39.3–.72	33.16N–.08	139.46E–.05	18–5	4.3b,4.0		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.16 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$4.54 $M_{r\theta}$-2.29 $M_{\theta\phi}$-0.53 $M_{\phi r}$4.89 NP1:ϕ_s20.00000°,δ22.00000°,λ-48.00000°. NP2:ϕ_s157.00000°,δ73.00000°,λ-105.00000°. M_o6.71000×10^{15}

JMA Event type fe. NEAR HACHIJOJIMA ISLAND .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(238) Ryukyu Islands

ISC	**VII**	**17 03 50 32.7–1.6**	**28.08N–.05**	**128.11E–.06**	**12–11**	**3.7b,3.1s**	**30**	**1-63**
IDC	VII	17 03 50 30.8–.79	28.07N	127.96E	0	3.6b,3.6		¶620928748
NIED	VII	17 03 50 32.4	28.13N	128.11E	13	4.1W,3.6		
JMA	VII	17 03 50 32.4–.17	28.1N–.30	128.1E–.40	13–1	3.7,3.6		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.17 $M_{\theta\theta}$0.68 $M_{\phi\phi}$0.49 $M_{r\theta}$0.10 $M_{\theta\phi}$1.15 $M_{\phi r}$0.02 NP1:ϕ_s42.00000°,δ44.00000°,λ-98.00000°. NP2:ϕ_s233.00000°,δ47.00000°,λ-83.00000°. M_o1.46000×10^{15}

JMA Event type fe. NW OFF OKINAWAJIMA IS .

(227) Eastern Honshu

ISC	**VII**	**17 09 07 50.7–1.1**	**36.31N–.03**	**137.63E–.03**	**5–7**	**3.9b,3.6s**	**57**	**0-123**
JMA	VII	17 09 07 49.9–.07	36.3N–.10	137.6E–.10	3–1	4.3,4.1		¶620928759
IDC	VII	17 09 07 49.8–.57	36.25N	137.54E	0	3.8b,3.8		
NIED	VII	17 09 07 49.9	36.32N	137.62E	3	4.3W,3.8		
NEIC	VII	17 09 07 51.4–1.5	36.32N–.04	137.64E–.05	10–1	4.2b,3.8		

ISC Event type ke.

JMA Event type fe. HIDA MOUNTAINS REGION .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.41 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$2.32 $M_{r\theta}$0.63 $M_{\theta\phi}$-2.92 $M_{\phi r}$-0.41 NP1:ϕ_s198.00000°,δ79.00000°,λ1.00000°. NP2:ϕ_s108.00000°,δ89.00000°,λ169.00000°. M_o3.67000×10^{15}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(235) Kyushu

ISC	**VII**	**17 11 50 00.7–.20**	**33.61N–.02**	**131.83E–.02**	**82–1**	**5.3b**	**1143**	**0-173**
BJI	VII	17 11 49 54.3	33.34N	132.33E	76	5.4b,5.3b		¶620833094
MOS	VII	17 11 49 58.3–.88	33.55N	131.68E	72	5.4b,4.6s		
BGR	VII	17 11 49 59.3	33.66N	132.70E	77–1	5.0b,4.6s		
NEIC	VII	17 11 49 59.3–1.2	33.62N–.05	131.83E–.05	64–4	5.4b,5.2		
NIED	VII	17 11 50 00.7	33.64N	131.86E	76	5.3W,5.2		
JMA	VII	17 11 50 00.7–.06	33.6N–.10	131.9E–.20	76–0	5.2W,5.1		
IDC	VII	17 11 50 00.7–.27	33.61N	131.69E	81–2	5.0,4.6b		
GFZ	VII	17 11 50 02.3–.23	34N–3.0	132E–3.0	92–4	5.4b,5.0		
GCMT	VII	17 11 50 02.3–.10	33.67N–.01	131.77E–.01	86–1	5.3W,5.0		

ISC Event type ke.

BGR Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}4.14 $M_{\theta\theta}$-8.14 $M_{\phi\phi}$4.00 $M_{r\theta}$-2.40 $M_{\theta\phi}$-2.48 $M_{\phi r}$3.84 NP1:ϕ_s43.00000°,δ54.00000°,λ29.00000°. NP2:ϕ_s295.00000°,δ67.00000°,λ140.00000°. M_o8.73000×10^{16}

JMA Event type fe. IYONADA SETONAIKAI .

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107171150A. Moment Tensor Solution. s112,c186; s147,c278;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.41±.01 $M_{\theta\theta}$-0.95±.01; $M_{\phi\phi}$0.54±.01; $M_{r\theta}$-0.25±.01; $M_{\theta\phi}$-0.37±.01; $M_{\phi r}$0.45±.01; Best double couple: NP1:ϕ_s39.00000°,δ59.00000°,λ25.00000°. NP2:ϕ_s295.00000°,δ68.00000°,λ146.00000°. Principal axes: T 1.0300,Plg39.0000°,Azm254.0000°; N 0.0230,Plg50.0000°,Azm86.0000° ; P -1.0530,Plg6.0000°,Azm349.0000° M_o1.04200×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VII**	**17 16 21 36.6–1.1**	**37.56N–.04**	**141.81E–.06**	**45–10**	**4.2b,3.3s**	**146**	**1-147**
JMA	VII	17 16 21 38.5–.05	37.6N–.10	141.6E–.20	58–0	4.7,4.4		¶620833198
NIED	VII	17 16 21 38.5	37.62N	141.62E	58	4.2W,4.4		
NEIC	VII	17 16 21 38.1–1.8	37.57N–.02	141.8E–.10	51–7	4.3b,4.4		
IDC	VII	17 16 21 38.4–1.8	37.64N	141.69E	57–15	4.0,3.8b		

ISC Event type ke.

JMA Event type fe. E OFF FUKUSHIMA PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.44 $M_{\theta\theta}$-1.42 $M_{\phi\phi}$-0.02 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.77 $M_{\phi r}$-0.89 NP1:ϕ_s88.00000°,δ38.00000°,λ127.00000°. NP2:ϕ_s225.00000°,δ61.00000°,λ65.00000°. M_o1.89000×10^{15}

NEIC Event type se. Error ellipse: s-maj=13.0km s-min=0.9km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=15.0km s-min=10.4km az=119.0.

(259) Mindanao

ISC	**VII**	**18 00 09 35.4–.30**	**6.44N–.02**	**126.26E–.03**	**76–2**	**5.2b**	**785**	**1-178**
MAN	VII	18 00 09 33.1	6.32N	126.39E	50	5.9b,5.4s		¶620833216
NEIC	VII	18 00 09 35.7–1.9	6.46N–.06	126.23E–.07	71–4	5.2b,5.1		
GFZ	VII	18 00 09 35.3–.39	7N–2.0	126E–3.0	76–3	5.2b,5.1		
IDC	VII	18 00 09 35.1–.93	6.46N	126.16E	73–7	4.9,4.5b		
GCMT	VII	18 00 09 36.3–.20	6.37N–.01	126.29E–.01	59–1	5.2W,4.5b		
GFZ	VII	18 00 09 37.3	6.49N	126.25E	60	5.0W,4.5b		
DJA	VII	18 00 09 40.7–.40	6N–3.0	126E–2.0	84–8	6.0,5.8b		

ISC Event type se.

MAN Event type fe. INTENSITY V - GOVERNOR GENEROSO DAVAO ORIENTAL ; . INTENSITY IV - BANAYBANAY LUPON CITY OF MATI AND SAN ISIDRO DAVAO ORIENTAL ; . INTENSITY III - MANAY AND TARRAGONA DAVAO ORIENTAL; TAMPAKAN AND TUPI SOUTH COTABATO ; . INTENSITY II - MACO AND MARAGUSAN DAVAO DE ORO; CITY OF PANABO AND CITY OF TAGUM DAVAO DEL NORTE; CITY OF DIGOS AND SANTA CRUZ ; DAVAO DEL SUR; CITY OF DAVAO; MALITA AND SANTA MARIA DAVAO OCCIDENTAL; CARAGA DAVAO ORIENTAL; CITY OF KIDAPAWAN AND MAKILALA ; COTABATO; KIAMBA SARANGANI; CITY OF GENERAL SANTOS ; . INTENSITY I - ARAKAN COTABATO.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107180009A. Moment Tensor Solution. s104,c141; s128,c214;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.68±.02 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-0.79±.01; $M_{r\theta}$-0.14±.01; $M_{\theta\phi}$-0.08±.01; $M_{\phi r}$0.49±.01; Best double couple: NP1: ϕ_s199.00000°,δ30.00000°,λ114.00000°. NP2:ϕ_s352.00000°,δ63.00000°,λ77.00000°. Principal axes: T 0.8580,Plg69.0000°,Azm234.0000°; N 0.0830,Plg12.0000°,Azm358.0000° ; P -0.9420,Plg17.0000°,Azm92.0000° M_o0.90000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03 $M_{\theta\theta}$2.80 $M_{\phi\phi}$-2.77 $M_{r\theta}$-1.84 $M_{\theta\phi}$-0.51 $M_{\phi r}$2.05 NP1: ϕ_s139.75966°,δ89.99165°,λ-44.18908°. NP2:ϕ_s229.76778°,δ45.81092°,λ-179.98835°. Principal axes: T 4.0027,Plg29.5228°,Azm194.1203°; N -0.1073,Plg45.8109°,Azm319.7511° ; P -3.8954,Plg29.5364°,Azm85.4046° $M_0$3.95017×10^{16}

(259) Mindanao

MAN	**VII**	**18 04 16 34.8**	**7.68N**	**124.83E**	**2**	**5.0b,4.0s**		**¶626333127**

MAN Event type fe. INTENSITY III - DON CARLOS KADINGILAN KALILANGAN AND PANGANTUCAN BUKIDNON; . INTENSITY II - DAMULOG AND MARAMAG BUKIDNON.

(236) Shikoku

ISC	**VII**	**18 05 35 50.5–.43**	**33.97N–.04**	**133.89E–.03**	**42–3**	**4.5b,3.7s**	**313**	**0-97**
BJI	VII	18 05 35 43.6	33.57N	134.48E	40	4.8b,4.6b		**¶620833281**
MOS	VII	18 05 35 48.3–.80	33.89N	133.84E	40	4.8b,4.6b		
NEIC	VII	18 05 35 50.9–1.1	34.00N–.05	133.87E–.07	41–5	4.6b,4.6b		
JMA	VII	18 05 35 50.6–.07	34.0N–.20	133.9E–.20	45–0	4.5,4.4		
NIED	VII	18 05 35 50.6	33.97N	133.93E	45	4.4W,4.4		
GFZ	VII	18 05 35 50.5–.27	34N–5.0	134E–3.0	37	4.6b,4.6		
IDC	VII	18 05 35 51.1–1.2	33.92N	133.81E	49–11	4.2,3.9b		

ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=4.9km az=115.2.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.3km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. TOKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.59 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$0.82 $M_{r\theta}$-4.30 $M_{\theta\phi}$0.23 $M_{\phi r}$-2.01 NP1:ϕ_s136.00000°,δ13.00000°,λ160.00000°. NP2:ϕ_s245.00000° ,δ86.00000°,λ78.00000°. $M_0$4.90000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=12.3km s-min=9.8km az=151.0.

(224) Hokkaido region

ISC	**VII**	**18 06 59 16.1–.84**	**42.59N–.05**	**143.57E–.03**	**70–7**	**3.6b**	**56**	**0-44**
MOS	VII	18 06 59 15.8–1.1	42.61N	143.56E	61	4.0b		**¶620928805**
JMA	VII	18 06 59 16.4–.15	42.6N–.40	143.5E–.70	69–1	3.5		
SKHL	VII	18 06 59 17.0–.20	42.60N	143.60E	68–2	4.9b		
IDC	VII	18 06 59 17.4–2.5	42.72N	143.45E	80–19	3.5,3.3b		

ISC Event type ke.
MOS Error ellipse: s-maj=20.7km s-min=10.7km az=63.4.
JMA Event type fe. TOKACHI REGION .
IDC Error ellipse: s-maj=27.5km s-min=19.1km az=109.0.

(227) Eastern Honshu

ISC	**VII**	**18 09 50 08.7–.59**	**37.04N–.02**	**139.24E–.03**	**12–3**	**4.5b,3.9s**	**408**	**0-148**
IDC	VII	18 09 50 06.7–.41	37.04N	139.18E	0	4.3b,4.3		**¶626153296**
MOS	VII	18 09 50 07.2–1.1	37.05N	139.20E	12	4.9b,4.3		
NIED	VII	18 09 50 07.4	37.04N	139.28E	4	4.5W,4.3		
JMA	VII	18 09 50 07.4–.10	37.0N–.20	139.3E–.20	4–2	4.7,4.6		
NEIC	VII	18 09 50 08.8–1.6	36.98N–.06	139.19E–.03	10–1	4.6b,4.6		
GFZ	VII	18 09 50 09.8–.22	37N–3.0	139E–4.0	10	4.6b,4.6		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.82 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-4.65 $M_{r\theta}$-1.78 $M_{\theta\phi}$-3.16 $M_{\phi r}$2.30 NP1:ϕ_s233.00000°,δ45.00000°,λ131.00000°. NP2:ϕ_s2.00000° ,δ57.00000°,λ57.00000°. $M_0$6.39000×10^{15}
JMA Event type fe. WESTERN FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(227) Eastern Honshu

ISC	**VII**	**18 10 11 05.9–.95**	**37.07N–.03**	**139.29E–.03**	**9–6**	**4.4b,3.3s**	**180**	**0-148**
BJI	VII	18 10 10 58.0	36.73N	140.09E	15	4.9b,4.5b		**¶626153377**
IDC	VII	18 10 11 04.2–.48	37.04N	139.26E	0	4.1b,4.1		
MOS	VII	18 10 11 04.7–1.0	36.96N	139.30E	15	4.6b,4.1		
NIED	VII	18 10 11 05.2	37.06N	139.28E	4	4.2W,4.1		
JMA	VII	18 10 11 05.2–.07	37.1N–.20	139.3E–.20	4–2	4.6,4.3		
NEIC	VII	18 10 11 06.7–1.2	36.97N–.06	139.21E–.07	10–1	4.5b,4.3		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.27 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.15 $M_{r\theta}$-0.71 $M_{\theta\phi}$-1.19 $M_{\phi r}$0.64 NP1:ϕ_s244.00000°,δ53.00000°,λ138.00000°. NP2:ϕ_s3.00000° ,δ58.00000°,λ46.00000°. $M_0$1.95000×10^{15}
JMA Event type fe. WESTERN FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(236) Shikoku

ISC	**VII**	**18 13 32 46.0–.90**	**34.00N–.05**	**134.67E–.04**	**41–9**	**3.3b**	**26**	**0-55**
IDC	VII	18 13 32 42.0–.88	34.05N	134.63E	0	3.6,3.4L		**¶620928819**
JMA	VII	18 13 32 46.5–.06	33.9N–.20	134.6E–.20	40–0	3.9,3.7		
NIED	VII	18 13 32 46.5	33.95N	134.62E	40	3.8W,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=13.1km az=164.0.
JMA Event type fe. TOKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.42 $M_{\theta\theta}$-4.58 $M_{\phi\phi}$4.16 $M_{r\theta}$-1.31 $M_{\theta\phi}$3.85 $M_{\phi r}$-0.60 NP1:ϕ_s156.00000°,δ76.00000°,λ178.00000°. NP2:ϕ_s246.00000° ,δ89.00000°,λ14.00000°. $M_0$6.00000×10^{14}

(227) Eastern Honshu

JMA	**VII**	**18 14 09 06.4–.05**	**36.2N–.20**	**137.7E–.10**	**3–1**	**3.6**		
NIED	VII	18 14 09 06.4	36.21N	137.67E	3	3.7W		**¶626153626**

JMA Event type fe. HIDA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.61 $M_{\theta\theta}$-3.20 $M_{\phi\phi}$2.59 $M_{r\theta}$2.16 $M_{\theta\phi}$-2.41 $M_{\phi r}$1.82 NP1:ϕ_s298.00000°,δ56.00000°,λ-178.00000°. NP2:ϕ_s207.00000° ,δ88.00000°,λ-34.00000°. $M_0$4.58000×10^{14}

(259) Mindanao

ISC	**VII**	**19 07 28 07.5–.71**	**7.74N–.03**	**126.59E–.05**	**84–6**	**4.3b**	**136**	**0-149**
DJA	VII	19 07 28 05.1–.80	8N–7.0	127E–4.0	97–9	5.6b,5.0		**¶620833506**
MAN	VII	19 07 28 07.0	7.73N	126.65E	48	5.1b,4.1s		
IDC	VII	19 07 28 08.8–1.8	7.61N	126.53E	92–15	4.2,3.8b		
NEIC	VII	19 07 28 08.2–.74	7.68N–.09	126.49E–.05	100–9	4.4b,3.8b		

ISC Event type se.
MAN Event type fe. INTENSITY III - BAGANGA DAVAO ORIENTAL; . INTENSITY II - MONKAYO AND NABUNTURAN DAVAO DE ORO; CITY OF TAGUM DAVAO DEL NORTE;; CATEEL DAVAO ORIENTAL; . INTENSITY I - CITY OF DAVAO.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(256) Leyte

ISC	**VII**	**19 17 53 19.5–1.0**	**10.47N–.02**	**125.07E–.02**	**13–6**	**4.3b,3.6s**	**130**	**1-147**
IDC	VII	19 17 53 17.3–.57	10.43N	125.04E	0	4.2b,4.2		**¶620833958**
MAN	VII	19 17 53 19.2	10.50N	125.09E	8	5.3b,4.4s		
NEIC	VII	19 17 53 23.8–1.6	10.43N–.10	125.1E–.20	43–7	4.3b,4.4s		

ISC Event type se.
MAN Event type fe. INTENSITY IV - SILAGO SOUTHERN LEYTE ; . INTENSITY III - BONTOC HINUNANGAN LIBAGON SAINT BERNARD AND SOGOD SOUTHERN LEYTE ; . INTENSITY II - ABUYOG LEYTE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(328) East of Lake Baykal

ISC	**VII**	**19 22 06 46.2–.88**	**55.91N–.02**	**113.59E–.02**	**7–5**	**4.5b,3.9s**	**431**	**0-152**
BJI	VII	19 22 06 44.6	56.01N	113.74E	8	4.6s,4.6b		**¶620834058**
IDC	VII	19 22 06 45.0–.44	55.84N	113.58E	0	4.1b,4.1		
MOS	VII	19 22 06 45.0–.97	55.83N	113.52E	9	4.6b,3.8s		
NEIC	VII	19 22 06 46.5–1.8	55.86N–.04	113.59E–.10	10–1	4.5b,3.8s		
BYKL	VII	19 22 06 46.4–.10	55.88N	113.45E	8–2	4.5b,3.8s		
GFZ	VII	19 22 06 48.1–.36	56N–5.0	114E–5.0	10	4.5b,4.3		

ISC Event type se.
MOS Event type fe. Felt (III-IV) at Severomuysk. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se. FELT I=III-IV MSK at Severomuisk.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(238) Ryukyu Islands

ISC	**VII**	**19 23 03 38.3–.44**	**26.58N–.03**	**129.89E–.03**	**17–2**	**5.1b,4.7s**	**870**	**1-151**
BJI	VII	19 23 03 34.0	26.47N	130.03E	13	4.9b,4.8b		**¶620834062**
MOS	VII	19 23 03 35.8–.88	26.63N	129.88E	12	5.4b,4.7s		
NEIC	VII	19 23 03 37.0–1.6	26.55N–.06	129.89E–.04	10–1	5.2b,4.7s		
IDC	VII	19 23 03 36.2–.46	26.69N	129.88E	0	4.9b,4.9		
NEIC	VII	19 23 03 37	26.56N	129.89E	10	4.9b,4.9		
GFZ	VII	19 23 03 37.8–.29	27N–4.0	130E–3.0	10	5.0b,4.8		
NIED	VII	19 23 03 38.9	26.62N	129.88E	47	4.8W,4.8		
JMA	VII	19 23 03 38.9–.10	26.6N–.70	129.9E–.50	47	4.9W,4.8		
GFZ	VII	19 23 03 38.2	26.55N	129.84E	21	4.9W,4.8		
GCMT	VII	19 23 03 40.5–.40	26.57N–.03	129.78E–.03	12	4.9W,4.8		
NEIC	VII	19 23 03 42.8	26.36N	130.11E	16	4.9,4.8		

ISC Event type ke.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=108.1.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.1km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.0km s-min=10.5km az=78.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.44 $M_{\theta\theta}$0.99 $M_{\phi\phi}$0.45 $M_{r\theta}$0.26 $M_{\theta\phi}$1.08 $M_{\phi r}$-0.28 NP1:ϕ_s35.00000°,δ47.00000°,λ-115.00000°. NP2:ϕ_s249.00000° ,δ48.00000°,λ-65.00000°. $M_0$1.70000×10^{16}
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.30 $M_{\theta\theta}$1.67 $M_{\phi\phi}$1.64 $M_{r\theta}$0.16 $M_{\theta\phi}$1.46 $M_{\phi r}$0.16 NP1: ϕ_s45.22782°,δ42.98602°,λ-90.05014°. NP2:ϕ_s225.29637°,δ47.01400°,λ-89.95327°. Principal axes: T 3.1237,Plg2.0140°,Azm315.2633°; N 0.1875,Plg0.0342°,Azm45.2645° ; P -3.3112,Plg87.9857°,Azm136.2366° $M_0$3.22156×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107192303A. Moment Tensor Solution. s23,c30; s69,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.13 $M_{\theta\theta}$0.94±.12; $M_{\phi\phi}$1.15±.11; $M_{r\theta}$-1.35±.36; $M_{\theta\phi}$1.67±.09; $M_{\phi r}$1.51±.36; Best double couple: NP1:ϕ_s72.00000°,δ52.00000° ,λ-44.00000°. NP2:ϕ_s193.00000°,δ57.00000°,λ-133.00000°. Principal axes: T 2.7290,Plg3.0000°,Azm312.0000°; N 0.7800,Plg35.0000°,Azm220.0000° ; P -3.5140,Plg55.0000°,Azm46.0000° $M_0$3.12200×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.25 $M_{\theta\theta}$0.59 $M_{\phi\phi}$1.65 $M_{r\theta}$-1.99 $M_{\theta\phi}$1.55 $M_{\phi r}$-0.53 NP1:ϕ_s192.05000°,δ33.63000° ,λ-132.05000°. NP2:ϕ_s59.34000°,δ65.71000°,λ-65.98000°. Principal axes: T 3.2545,Plg17.0000°,Azm132.0000°; N 0.0275,Plg22.0000°,Azm229.0000° ; P -3.2819,Plg62.0000°,Azm7.0000° $M_0$3.27000×10^{16}

(238) Ryukyu Islands

ISC	**VII**	**20 04 58 36.5–.45**	**28.06N–.04**	**129.56E–.05**	**39–2**	**4.4b,3.2s**	**141**	**0-92**
JMA	VII	20 04 58 36.7–.23	28N–1.0	129.5E–.80	34–2	4.2,4.1		**¶620834134**
NIED	VII	20 04 58 36.7	28.11N	129.52E	34	4.2W,4.1		
NEIC	VII	20 04 58 36.9–1.4	28.04N–.06	129.58E–.05	40–6	4.5b,4.1		
IDC	VII	20 04 58 38.2–1.3	28.11N	129.44E	52–11	4.2,3.9b		

ISC Event type ke.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.41 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-0.74 $M_{r\theta}$1.48 $M_{\theta\phi}$-0.65 $M_{\phi r}$0.54 NP1:ϕ_s210.00000°,δ24.00000°,λ60.00000°. NP2:ϕ_s62.00000° ,δ70.00000°,λ102.00000°. $M_0$2.09000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.9km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=7.8km az=116.0.

(259) Mindanao

ISC	**VII**	**20 20 26 46.8–.24**	**5.55N–.02**	**126.70E–.03**	**96–1**	**5.2b**	**1448**	**1-177**
MOS	VII	20 20 26 42.0–.92	5.63N	126.66E	84	5.5b		**¶620838898**
BJI	VII	20 20 26 44.6	5.60N	126.80E	89	5.1b,5.0b		
MAN	VII	20 20 26 45.2	5.51N	126.84E	57	5.9b,5.3s		
NEIC	VII	20 20 26 46.7	5.60N	126.76E	94	5.9b,5.3s		
GFZ	VII	20 20 26 46.4	5.55N	126.76E	91	5.2W,5.3s		
GFZ	VII	20 20 26 46.4–.11	6N–2.0	127E–3.0	90	5.3b,5.2		
NEIC	VII	20 20 26 46.1–1.6	5.61N–.05	126.74E–.07	88–4	5.1b,5.2		
IDC	VII	20 20 26 47.6–.85	5.60N	126.65E	98–7	5.1,4.7b		
NEIC	VII	20 20 26 47.2	5.70N	127.06E	90	5.2,4.7b		
DJA	VII	20 20 26 47.0–.20	6N–2.0	127E–1.0	95–2	5.7,5.7b		
GCMT	VII	20 20 26 48.0–.10	5.58N–.01	126.75E–.01	95–1	5.2W,5.7b		

ISC Event type se.
MAN Event type fe. INTENSITY I - CITY OF GENERAL SANTOS.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.98 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-6.15 $M_{r\theta}$-1.90 $M_{\theta\phi}$-1.82 $M_{\phi r}$3.28 NP1: ϕ_s218.22429°,δ37.99445°,λ131.94114°. NP2:ϕ_s349.47671°,δ62.74885°,λ62.43179°. Principal axes: T 6.8290,Plg61.7667°,Azm215.7062°; N 0.4104,Plg24.2951°,Azm2.9213° ; P -7.2393,Plg13.5015°,Azm99.1437° $M_0$7.04311×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}7.08 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-6.70 $M_{r\theta}$-1.96 $M_{\theta\phi}$3.35 $M_{\phi r}$0.64 NP1:ϕ_s169.95000°,δ41.47000° ,λ110.17000°. NP2:ϕ_s323.84000°,δ51.56000°,λ73.06000°. Principal axes: T 7.5694,Plg76.0000°,Azm177.0000°; N 0.7018,Plg13.0000°,Azm335.0000° ; P -8.2713,Plg5.0000°,Azm66.0000° $M_0$7.94000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107202026A. Moment Tensor Solution. s116,c169; s151,c273;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.87±.11 $M_{\theta\theta}$1.58±.11; $M_{\phi\phi}$-6.45±.11; $M_{r\theta}$-3.28±.07; $M_{\theta\phi}$-0.10±.11; $M_{\phi r}$3.93±.09; Best double couple: NP1: ϕ_s207.00000°,δ34.00000°,λ137.00000°. NP2:ϕ_s335.00000°,δ68.00000°,λ64.00000°. Principal axes: T 7.7370,Plg59.0000°,Azm208.0000°; N 0.0340,Plg24.0000°,Azm345.0000° ; P -7.7710,Plg19.0000°,Azm84.0000° $M_0$7.75400×10^{16}

(333) Tuva-Buryatia-Mongolia border region

ISC	**VII**	**22 01 12 48.8–1.1**	**49.48N–.02**	**107.22E–.02**	**2–7**	**4.0b,3.6s**	**209**	**2-83**
IDC	VII	22 01 12 48.3–.64	49.43N	107.23E	0	3.8b,3.8		**¶620844251**
MOS	VII	22 01 12 48.3–1.9	49.40N	107.14E	10	4.3b,3.8		
NEIC	VII	22 01 12 50.4–1.6	49.42N–.07	106.9E–.10	10–1	4.1b,3.8		
BYKL	VII	22 01 12 51.3–.28	49.40N	107.16E	19–10	4.1b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=9.3km az=42.0.
MOS Event type fe. Error ellipse: s-maj=7.7km s-min=5.7km az=112.2. Felt (III) at Kyahta. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.7km az=43.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se. FELT I=III MSK at Kyakhta.

(256) Leyte

ISC	**VII**	**22 11 15 13.9–1.1**	**11.51N–.02**	**124.45E–.03**	**13–7**	**4.2b,3.2s**	**119**	**0-118**
IDC	VII	22 11 15 11.8–.62	11.57N	124.58E	0	4.8L,4.1b		**¶620845121**
MAN	VII	22 11 15 14.2	11.50N	124.39E	9	5.2b,4.3s		
NEIC	VII	22 11 15 17.9–1.1	11.6N–.10	124.6E–.20	39–4	4.5b,4.3s		

ISC Event type se.
MAN Event type fe. INTENSITY IV - CALUBIAN LEYTE ; . INTENSITY III - ALMERIA BILIRAN CABUCGAYAN CAIBIRAN CULABA KAWAYAN AND NAVAL BILIRAN; LEYTE AND SAN ISIDRO LEYTE ; . INTENSITY II - CAPOOCAN KANANGA AND PALOMPON LEYTE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**VII**	**22 20 56 37.5–2.1**	**37.63N–.07**	**141.8E–.10**	**46–17**	**3.6b**	**22**	**1-58**
IDC	VII	22 20 56 29.6–2.0	37.74N	142.20E	0	3.6b,3.5		**¶620967849**
JMA	VII	22 20 56 38.8–.05	37.7N–.10	141.7E–.20	56–0	3.7,3.5		

ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

(228) Near east coast of eastern Honshu

ISC	**VII**	**23 00 59 31.7–1.8**	**36.39N–.06**	**140.93E–.08**	**24–13**	**3.5b**	**19**	**0-56**
IDC	VII	23 00 59 28.1–1.5	36.24N	141.01E	0	3.4b,3.4		**¶620967880**
NIED	VII	23 00 59 32.5	36.38N	140.92E	38	3.6W,3.4		

JMA VII 23 00 59 32.5–.09 36.4N–.30 140.9E–.30 38–1 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.43 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-1.96 $M_{r\theta}$0.75 $M_{\theta\phi}$-1.07 $M_{\phi r}$0.99 NP1:ϕ_s203.00000°,δ32.00000°,λ82.00000°. NP2:ϕ_s32.00000° ,δ58.00000°,λ95.00000°. M_o2.77000×10^{14}
JMA Event type fe. E OFF IBARAKI PREF .

(226) Near west coast of eastern Honshu

ISC	**VII**	**23 13 13 35.3–1.4**	**40.99N–.03**	**139.35E–.05**	**16–10**		**29**	**1-61**
JMA	VII	23 13 13 36.4–.09	40.9N–.20	139.3E–.60	31–1	3.3		**¶620967918**
IDC	VII	23 13 13 40.5–2.4	40.90N	139.09E	53–35	3.2,3.1b		

ISC Event type ke.
JMA Event type fe. W OFF AOMORI PREF .
IDC Error ellipse: s-maj=37.0km s-min=29.0km az=116.0.

(250) Mindoro

ISC	**VII**	**23 20 48 57.9–.15**	**13.69N–.02**	**120.68E–.02**	**121–1**	**6.4b**	**3153**	**0-179**
BGR	VII	23 20 48 21.7	8.98N	124.22E	124	7.4,5.4b		**¶620845493**
BJI	VII	23 20 48 56.8	13.75N	120.80E	100	7.0b,6.3b		
IPGP	VII	23 20 48 57.0	13.70N	120.71E	116	6.7W,6.3b		
NEIC	VII	23 20 48 57.4–2.0	13.71N–.06	120.73E–.07	110–1	6.7,6.5b		
NEIC	VII	23 20 48 57.5	13.70N	120.71E	112	6.7,6.5b		
MAN	VII	23 20 48 57.9	13.68N	120.55E	119	6.6s,6.6b		
MOS	VII	23 20 48 57.8–.85	13.68N	120.80E	134	6.6b,6.1s		
IDC	VII	23 20 48 59.0–.41	13.67N	120.70E	128–3	6.2,5.9s		
NEIC	VII	23 20 48 58	13.69N	120.69E	108	6.2,5.9s		
GFZ	VII	23 20 48 59.9–.20	14N–1.0	121E–2.0	130–2	6.9b,6.8		
GFZ	VII	23 20 48 59.9	13.66N	120.74E	122	6.6W,6.8		
DJA	VII	23 20 48 59.6–.30	14N–1.0	121E–2.0	130–3	6.9b,6.8		
PTWC	VII	23 20 49 00	13.80N	120.70E	142	0.0,6.8		
GCMT	VII	23 20 49 01.7–.00	13.76N	120.59E	120–0	6.6W,6.8		
NEIC	VII	23 20 49 11.2	13.69N	120.79E	100	6.7,6.8		

ISC Event type ke.
BGR Event type ke.
IPGP Moment Tensor Solution. NP1:ϕ_s108.00000°,δ45.00000°,λ54.00000°. NP2:ϕ_s335.00000° ,δ55.00000°,λ121.00000°.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.0km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-0.79 $M_{r\theta}$0.28 $M_{\theta\phi}$0.46 $M_{\phi r}$0.53 NP1:ϕ_s352.09000°,δ57.66000°,λ114.63000°. NP2:ϕ_s131.49000°,δ39.82000° ,λ56.65000°. Principal axes: T 1.2763,Plg67.0000°,Azm311.0000°; N -0.1749,Plg21.0000° ,Azm158.0000°; P -1.1014,Plg9.0000°,Azm65.0000° M_o1.20000×10^{19}
NEIC Event type se.
MAN Event type fe. INTENSITY VI - CALATAGAN BATANGAS; LOOC LUBANG AND MAMBURAO OCCIDENTAL MINDORO ; . INTENSITY V - BALAYAN BAUAN CALACA LEMERY MABINI NASUGBU SAN PASCUAL TAAL AND TINGLOY BATANGAS; CARMONA AND CITY OF ; DASMARINAS CAVITE; ABRA DE ILOG MAGSAYSAY PALUAN AND SABLAYAN OCCIDENTAL MINDORO; CITY OF CALAPAN PUERTO GALERA AND SAN ; TEODORO ORIENTAL MINDORO ; . INTENSITY IV - CITY OF MALABON; CITY OF MANILA; CITY OF MARIKINA; CITY OF NAVOTAS; QUEZON CITY; PASAY CITY; PATEROS; CITY OF VALENZUELA; ; HERMOSA BATAAN; CITY OF MALOLOS CITY OF MEYCAUAYAN OBANDO AND PLARIDEL BULACAN; BATANGAS CITY CITY OF LIPA CITY OF STO. TOMAS ; AND TALISAY BATANGAS; AMADEO INDANG AND MENDEZ-NUNEZ CAVITE; CITY OF SANTA ROSA LAGUNA; BOAC MARINDUQUE; CALINTAAN ; OCCIDENTAL MINDORO; BULALACAO MANSALAY NAUJAN PINAMALAYAN AND POLA ORIENTAL MINDORO ; . INTENSITY III - CITY OF LAS PINAS; CITY OF MAKATI; CITY OF MANDALUYONG; CITY OF PASIG; CITY OF TAGUIG; CITY OF SAN JOSE DEL MONTE BULACAN; ; CAVINTI AND LOS BANOS LAGUNA; DOLORES AND CITY OF TAYABAS QUEZON; BINANGONAN RODRIGUEZ AND SAN MATEO RIZAL ; . INTENSITY II - CITY OF CALOOCAN; CITY OF ALAMINOS PANGASINAN; LUCBAN MULANAY AND SAN FRANCISCO QUEZON; TANAY RIZAL ; . INTENSITY I - GUINAYANGAN QUEZON; CORON AND CUYO PALAWAN; KALIBO AND MALINAO AKLAN.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=115.2.
IDC Error ellipse: s-maj=8.4km s-min=5.3km az=77.0.
NEIC Event type se.
GFZ Error ellipse: s-maj=4.1km s-min=2.9km az=92.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}8.26 $M_{\theta\theta}$-3.11 $M_{\phi\phi}$-5.16 $M_{r\theta}$2.14 $M_{\theta\phi}$4.89 $M_{\phi r}$2.72 NP1: ϕ_s121.22225°,δ46.19455°,λ60.18891°. NP2:ϕ_s340.83773°,δ51.23027°,λ117.39843°. Principal axes: T 9.5959,Plg68.7887°,Azm314.9107°; N -0.4303,Plg21.0256°,Azm142.8561° ; P -9.1656,Plg2.6757°,Azm51.8268° M_o9.38814×10^{18}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107232048A. Moment Tensor Solution. s175,c470; s177,c857;Duration: 5ŝ1 Moment tensor: Scale 10^{19}Nm; M_{rr}0.91±.00 $M_{\theta\theta}$-0.49±.00; $M_{\phi\phi}$-0.41±.00; $M_{r\theta}$0.21±.00; $M_{\theta\phi}$0.61±.00; $M_{\phi r}$0.54±.00; Best double couple: NP1:ϕ_s109.00000°,δ45.00000°,λ50.00000°. NP2:ϕ_s338.00000°,δ57.00000°,λ122.00000°. Principal axes: T 1.2020,Plg62.0000°,Azm303.0000°; N -0.1150,Plg27.0000°,Azm140.0000° ; P -1.0870,Plg7.0000°,Azm46.0000° M_o1.14400×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 11ŝ0 Moment tensor: Scale 10^{19}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.18 $M_{\theta\phi}$0.60 $M_{\phi r}$0.51 NP1:ϕ_s117.19000°,δ42.10000° ,λ57.45000°. NP2:ϕ_s337.90000°,δ55.59000°,λ115.93000°. Principal axes: T 1.2724,Plg68.0000°,Azm302.0000°; N -0.1152,Plg21.0000°,Azm143.0000° ; P -1.1572,Plg7.0000°,Azm50.0000° M_o1.22000×10^{19}

(250) Mindoro

ISC	**VII**	**23 20 57 18.4–.19**	**13.74N–.02**	**120.61E–.03**	**124–1**	**5.6b**	**1316**	**0-177**
BJI	VII	23 20 57 17.9	13.79N	120.80E	132	5.7b		**¶620845494**
MOS	VII	23 20 57 17.9–.84	13.80N	120.81E	135	5.6b		
IDC	VII	23 20 57 18.3–.43	13.75N	120.76E	123–3	5.4,5.4s		
NEIC	VII	23 20 57 18.7–1.7	13.80N–.05	120.74E–.08	121–3	5.5b,5.4s		
MAN	VII	23 20 57 18.6	13.76N	120.52E	105	5.9b,5.5s		
DJA	VII	23 20 57 19.6–.30	14N–2.0	121E–3.0	121–5	7.0b,6.9		
NEIC	VII	23 20 57 20.5	13.85N	120.72E	131	7.0b,6.9		
GFZ	VII	23 20 57 21.1–.19	14N–3.0	121E–3.0	145	6.2,5.7b		
GCMT	VII	23 20 57 21.7–.30	13.84N–.02	120.55E–.03	106–4	5.8W,5.7b		
NEIC	VII	23 20 57 28	13.85N	120.72E	130	5.8,5.7b		

ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=5.3km az=105.5.
IDC Error ellipse: s-maj=10.6km s-min=6.1km az=73.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.8km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY V - CALATAGAN BATANGAS; . INTENSITY IV - BALAYAN CALACA LEMERY MABINI NASUGBU AND TINGLOY BATANGAS; . INTENSITY III - CITY OF MAKATI; CITY OF MANILA; QUEZON CITY; PATEROS; HERMOSA BATAAN; ; BATANGAS CITY BAUAN SAN PASCUAL AND TAAL; BATANGAS; AMADEO NAIC AND CITY OF TAGAYTAY CAVITE; CITY OF SANTA ROSA LAGUNA; ; LUBANG AND MAMBURAO OCCIDENTAL MINDORO; GLORIA; PUERTO GALERA AND SAN TEODORO ORIENTAL MINDORO; . INTENSITY II - CITY OF MALABON; CITY OF MANDALUYONG; CITY OF NAVOTAS; PASAY CITY; CITY OF ; VALENZUELA; CITY OF LIPA BATANGAS; CAVINTI AND LOS; BANOS LAGUNA; DOLORES AND CITY OF TAYABAS QUEZON; BINANGONAN AND RODRIGUEZ RIZAL; ; BOAC MARINDUQUE; CALINTAAN MAGSAYSAY AND; PALUAN OCCIDENTAL MINDORO; BULALACAO NAUJAN AND PINAMALAYAN ORIENTAL MINDORO; . INTENSITY I - GUINAYANGAN AND LUCBAN QUEZON.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107232057A. Moment Tensor Solution. s110,c185; Duration: 2ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}3.97±.28 $M_{\theta\theta}$-1.73±.25; $M_{\phi\phi}$-2.24±.34; $M_{r\theta}$1.09±.15; $M_{\theta\phi}$4.55±.22; $M_{\phi r}$3.75±.18; Best double couple: NP1:ϕ_s105.00000°,δ46.00000° ,λ35.00000°. NP2:ϕ_s349.00000°,δ66.00000°,λ130.00000°. Principal axes: T 6.8890,Plg52.0000°,Azm306.0000°; N 0.0550,Plg36.0000°,Azm149.0000° ; P -6.9440,Plg11.0000°,Azm51.0000° M_o6.91600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.31 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-3.66 $M_{r\theta}$1.28 $M_{\theta\phi}$3.31 $M_{\phi r}$3.65 NP1:ϕ_s120.05000°,δ39.72000° ,λ42.13000°. NP2:ϕ_s355.22000°,δ64.62000°,λ121.64000°. Principal axes: T 6.5897,Plg58.0000°,Azm309.0000°; N -0.2040,Plg28.0000°,Azm160.0000° ; P -6.3857,Plg14.0000°,Azm63.0000° M_o6.49000×10^{17}

(227) Eastern Honshu

ISC	**VII**	**24 04 34 25.3–1.3**	**37.01N–.03**	**139.30E–.03**	**3–10**	**3.9b**	**26**	**0-79**
IDC	VII	24 04 34 24.4–.95	37.04N	139.37E	0	3.8b,3.8		**¶620970196**
NIED	VII	24 04 34 25.6	37.04N	139.28E	4	3.8W,3.8		
JMA	VII	24 04 34 25.6–.08	37.0N–.20	139.3E–.20	4–2	3.6,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.05 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$-3.70 $M_{r\theta}$-1.88 $M_{\theta\phi}$-2.77 $M_{\phi r}$2.69 NP1:ϕ_s236.00000°,δ44.00000°,λ136.00000°. NP2:ϕ_s1.00000° ,δ61.00000°,λ55.00000°. M_o5.77000×10^{14}
JMA Event type fe. WESTERN FUKUSHIMA PREF .

(248) Philippine Islands region

ISC	**VII**	**25 07 44 11.1–.93**	**17.15N–.02**	**119.94E–.04**	**34–3**	**4.4b,3.8s**	**186**	**1-117**
MAN	VII	25 07 44 09.8	17.30N	119.88E	9	5.1b,4.2s		**¶620973753**
NEIC	VII	25 07 44 09.8–1.3	17.16N–.07	119.91E–.09	24–5	4.5b,4.2s		
IDC	VII	25 07 44 16.3–1.7	17.14N	120.20E	79–18	4.2,3.9s		

ISC Event type se.
MAN Event type fe. INTENSITY III - CITY OF CANDON ILOCOS SUR ; . INTENSITY II - BANAYOYO BANTAY CAOAYAN GREGORIO DEL PILAR LIDLIDDA MAGSINGAL NARVACAN SAN ESTEBAN SANTA SANTA CRUZ SANTA LUCIA ; SANTO DOMINGO SIGAY SINAIT AND CITY OF VIGAN ILOCOS SUR ; . INTENSITY I - CABUGAO GALIMUYOD SAN JUAN SAN VICENTE SANTA CATALINA AND SUGPON ILOCOS SUR.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.9km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=10.6km az=71.0.

(236) Shikoku

ISC	**VII**	**25 21 12 53.6–1.1**	**32.11N–.04**	**132.14E–.05**	**46–10**	**3.6b**	**38**	**1-73**
JMA	VII	25 21 12 53.9–.09	32.1N–.40	132.2E–.50	43–1	3.7		**¶620970676**
NIED	VII	25 21 12 53.9	32.12N	132.15E	43	3.9W		
IDC	VII	25 21 12 55.7–1.8	32.04N	131.96E	70–14	3.6,3.3b		

ISC Event type ke.
JMA Event type fe. HYUGANADA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.81 $M_{\theta\theta}$1.84 $M_{\phi\phi}$3.97 $M_{r\theta}$-2.68 $M_{\theta\phi}$3.30 $M_{\phi r}$-1.94 NP1:ϕ_s206.00000°,δ32.00000°,λ-106.00000°. NP2:ϕ_s45.00000° ,δ59.00000°,λ-80.00000°. M_o6.94000×10^{14}
IDC Error ellipse: s-maj=22.2km s-min=12.6km az=85.0.

(224) Hokkaido region

ISC	**VII**	**26 02 16 16.3–.26**	**41.46N–.03**	**142.10E–.03**	**64–1**	**5.3b**	**1449**	**1-155**
MOS	VII	26 02 16 14.8–.90	41.50N	142.12E	60	5.8b		**¶620846035**
BJI	VII	26 02 16 14.0	41.41N	142.13E	69	5.6b,5.5b		
NEIC	VII	26 02 16 15.8–1.5	41.48N–.03	142.06E–.04	56–4	5.3b,5.5b		
NEIC	VII	26 02 16 15.6	41.49N	142.05E	52	5.3b,5.5b		
BGR	VII	26 02 16 16.3	41.91N	142.41E	72–1	5.8,5.5b		
JMA	VII	26 02 16 16.2–.07	41.5N–.30	142.1E–.30	52–0	5.2,5.2W		
NIED	VII	26 02 16 16.2	41.48N	142.14E	52	5.2W,5.2W		
NEIC	VII	26 02 16 16.1	41.49N	142.85E	60	5.2,5.2W		
IDC	VII	26 02 16 17.5–.89	41.46N	142.07E	69–7	5.4,5.1b		
GFZ	VII	26 02 16 17.8–.32	42N–3.0	142E–4.0	72–3	5.6b,5.5		
GFZ	VII	26 02 16 18.1	41.51N	142.07E	76	5.2W,5.5		
GCMT	VII	26 02 16 18.3–.10	41.47N–.01	142.17E–.01	54–0	5.2W,5.5		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
BGR Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.74 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$-3.08 $M_{r\theta}$3.19 $M_{\theta\phi}$-1.22 $M_{\phi r}$5.94 NP1:ϕ_s198.00000°,δ14.00000°,λ81.00000°. NP2:ϕ_s27.00000° ,δ76.00000°,λ92.00000°. M_o7.67000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ9 Moment tensor: Scale 10^{16}Nm; M_{rr}6.77 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-6.47 $M_{r\theta}$2.13 $M_{\theta\phi}$-2.88 $M_{\phi r}$1.52 NP1:ϕ_s189.10000°,δ37.83000° ,λ70.54000°. NP2:ϕ_s33.20000°,δ54.67000°,λ104.51000°. Principal axes: T 7.3964,Plg75.0000°,Azm348.0000°; N 0.5408,Plg12.0000°,Azm205.0000° ; P -7.9373,Plg9.0000°,Azm113.0000° M_o7.68000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.58 $M_{\theta\theta}$3.12 $M_{\phi\phi}$-4.70 $M_{r\theta}$2.30 $M_{\theta\phi}$-0.53 $M_{\phi r}$6.93 NP1: ϕ_s142.23874°,δ19.43109°,λ30.01892°. NP2:ϕ_s23.65362°,δ80.41959°,λ106.98507°. Principal axes: T 6.8172,Plg51.6760°,Azm313.1110°; N 2.5814,Plg16.7411°,Azm200.7434° ; P -9.3986,Plg33.3085°,Azm99.3438° M_o8.41042×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107260216A. Moment Tensor Solution. s114,c202; s154,c275;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69±.01 $M_{\theta\theta}$-0.07±.01; $M_{\phi\phi}$-0.62±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$-0.19±.01; $M_{\phi r}$0.45±.01; Best double couple: NP1: ϕ_s190.00000°,δ27.00000°,λ78.00000°. NP2:ϕ_s24.00000°,δ64.00000°,λ96.00000°. Principal axes: T 0.8640,Plg71.0000°,Azm307.0000°; N -0.0200,Plg5.0000°,Azm201.0000° ; P -0.8440,Plg18.0000°,Azm109.0000° M_o0.85400×10^{17}

(232) Western Honshu

ISC	**VII**	**26 03 23 06.1–.48**	**34.40N–.04**	**136.63E–.04**	**367–4**	**4.1b**	**275**	**0-151**
JMA	VII	26 03 23 05.9–.20	34N–1.0	136.7E–.90	372–1	4.2		**¶620846037**
NIED	VII	26 03 23 05.9	34.41N	136.65E	372	4.6W		
GFZ	VII	26 03 23 06.3–.24	34N–3.0	137E–4.0	372–2	4.6b,4.6		
IDC	VII	26 03 23 06.2–.46	34.39N	136.64E	364–4	4.3,3.4b		
NEIC	VII	26 03 23 06.5–1.6	34.37N–.05	136.69E–.08	368–5	4.2b,3.4b		

ISC Event type ke.
JMA Event type fe. SHIMA PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.19 $M_{\theta\theta}$8.93 $M_{\phi\phi}$-8.74 $M_{r\theta}$-2.19 $M_{\theta\phi}$2.30 $M_{\phi r}$-1.54 NP1:ϕ_s308.00000°,δ75.00000°,λ4.00000°. NP2:ϕ_s217.00000° ,δ86.00000°,λ165.00000°. M_o9.50000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(221) Kuril Islands

ISC	**VII**	**26 14 51 11.8–.50**	**44.40N–.04**	**148.31E–.05**	**84–3**	**4.5b**	**428**	**1-134**
IDC	VII	26 14 51 11.4–2.1	44.52N	148.18E	75–19	4.3,4.1b		**¶620846778**
MOS	VII	26 14 51 11.2–1.2	44.41N	148.29E	90	4.6b,4.1b		
GFZ	VII	26 14 51 12.3–.24	44N–3.0	148E–4.0	92	4.6b,4.6		
SKHL	VII	26 14 51 12.0–.20	44.40N	148.40E	94–8	6.3,5.5b		
JMA	VII	26 14 51 13.9–.37	44N–1.0	148E–2.0	109	4.7,5.5b		
NEIC	VII	26 14 51 14.4–1.0	44.46N–.08	148.2E–.10	97–6	4.5b,5.5b		

ISC Event type ke.
MOS Event type fe. Felt (III) at Malokuril'skoe. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type fe. SE OFF ETOROFU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(218) Near east coast of Kamchatka Peninsula

ISC	**VII**	**26 16 11 22.9–.29**	**53.03N–.03**	**158.82E–.03**	**142–2**	**4.9b**	**644**	**0-161**
BJI	VII	26 16 11 19.6	53.11N	159.02E	148	4.8b,4.4b		**¶620846782**
BGR	VII	26 16 11 19.8	53.84N	156.75E	33	4.8b,4.4b		
KRSC	VII	26 16 11 21.8–.80	52.96N	159.05E	136–6	5.3L,4.4b		
MOS	VII	26 16 11 22.2–.92	53.05N	158.68E	147	4.7b,4.4b		
GFZ	VII	26 16 11 23.5–.39	53N–4.0	159E–3.0	133–4	4.9b,4.9		
NEIC	VII	26 16 11 23.2–1.4	53.1N–.10	158.6E–.10	139–4	5.0b,4.9		
IDC	VII	26 16 11 23.5–.39	53.17N	158.57E	140–2	4.6,4.2b		

ISC Event type ke.
BGR Event type ke.
KRSC Event type se. Felt [III] at HMS Semyachik; [II-III] at Petropavlovsk; [II] at kordon Kronoki.
MOS Event type fe. Error ellipse: s-maj=7.8km s-min=3.4km az=79.9. Felt(II-III) at Petropavlovsk-Kamchatskiy. 2-3. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=11.1km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.3km s-min=7.5km az=143.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**26 20 19 20.8–.48**	**37.35N–.04**	**141.49E–.05**	**85–3**	**4.5b**	**381**	**0-155**
MOS	VII	26 20 19 18.7–1.1	37.38N	141.39E	77	4.7b		**¶620847097**
JMA	VII	26 20 19 21.2–.10	37.3N–.30	141.3E–.30	81–0	4.5,4.4W		
NIED	VII	26 20 19 21.2	37.34N	141.34E	81	4.4W,4.4W		
IDC	VII	26 20 19 21.5–1.5	37.41N	141.39E	88–13	4.4,4.1b		
NEIC	VII	26 20 19 22.5–1.4	37.38N–.06	141.3E–.10	92–6	4.6b,4.1b		

ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.53 $M_{\theta\theta}$0.90 $M_{\phi\phi}$3.63 $M_{r\theta}$-0.01 $M_{\theta\phi}$1.13 $M_{\phi r}$0.38 NP1:ϕ_s21.00000°,δ43.00000°,λ-88.00000°. NP2:ϕ_s198.00000°,δ47.00000°,λ-92.00000°. $M_0$4.30000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**VII**	**27 04 39 14.0–1.6**	**36.59N–.04**	**141.08E–.06**	**16–9**	**4.1b**	**50**	**0-74**
IDC	VII	27 04 39 10.9–1.0	36.58N	141.20E	0	3.8b,3.7		**¶620970678**
JMA	VII	27 04 39 13.5–.06	36.6N–.20	141.1E–.30	20–2	3.8,3.7		
NIED	VII	27 04 39 13.5	36.57N	141.12E	20	3.8W,3.7		
NEIC	VII	27 04 39 18.5–1.1	36.62N–.09	141.0E–.10	47–4	4.6b,3.7		

ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.45 $M_{\theta\theta}$0.14 $M_{\phi\phi}$4.30 $M_{r\theta}$0.08 $M_{\theta\phi}$2.10 $M_{\phi r}$-0.07 NP1:ϕ_s204.00000°,δ45.00000°,λ-88.00000°. NP2:ϕ_s21.00000°,δ45.00000°,λ-92.00000°. $M_0$4.81000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(232) Western Honshu

ISC	**VII**	**27 05 37 50.5–.31**	**34.55N–.03**	**136.67E–.03**	**353–2**	**4.7b**	**741**	**0-159**
BGR	VII	27 05 37 07.8	33.60N	138.98E	33	5.3b		**¶620847120**
JMA	VII	27 05 37 50.0–.22	35N–1.0	136.7E–.90	359–1	4.9,4.9W		
NIED	VII	27 05 37 50.0	34.60N	136.68E	359	4.8W,4.9W		
MOS	VII	27 05 37 49.4–.79	34.55N	136.68E	355	4.9b,4.9W		
GFZ	VII	27 05 37 50.7	34.54N	136.69E	357	4.8W,4.9W		
GFZ	VII	27 05 37 50.7–.20	35N–3.0	137E–3.0	353–3	5.1b,4.9		
IDC	VII	27 05 37 50.4–.43	34.52N	136.66E	350–3	5.0,4.3b		
NEIC	VII	27 05 37 51.1–1.3	34.56N–.06	136.62E–.06	354–4	4.4b,4.3b		

ISC Event type ke.
BGR Event type ke.
JMA Event type fe. ISE BAY REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.05 $M_{\theta\theta}$1.55 $M_{\phi\phi}$-1.60 $M_{r\theta}$-0.91 $M_{\theta\phi}$0.03 $M_{\phi r}$-1.06 NP1:ϕ_s314.00000°,δ48.00000°,λ0.00000°. NP2:ϕ_s224.00000°,δ90.00000°,λ138.00000°. $M_0$2.10000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.56 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-0.89 $M_{r\theta}$-0.96 $M_{\theta\phi}$-0.30 $M_{\phi r}$-1.23 NP1: ϕ_s217.22688°,δ78.98237°,λ106.48802°. NP2:ϕ_s340.07625°,δ19.74501°,λ34.45051°. Principal axes: T 1.6595,Plg53.1940°,Azm146.7980°; N 0.2043,Plg16.1757°,Azm33.9893° ; P -1.8638,Plg32.0323°,Azm293.5333° $M_0$1.77054×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**VII**	**27 15 55 00.1–2.0**	**35.99N–.04**	**141.03E–.07**	**13–11**	**3.7b,2.9s**	**32**	**0-75**
IDC	VII	27 15 54 58.2–.83	35.98N	141.05E	0	3.7b,3.7		**¶620970679**
JMA	VII	27 15 55 00.3–.05	36.0N–.20	141.0E–.20	10–1	4.8,4.6		
NIED	VII	27 15 55 00.3	35.97N	140.98E	10	4.0W,4.6		

ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=11.1km az=94.0.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$-0.92 $M_{\phi\phi}$0.89 $M_{r\theta}$-0.07 $M_{\theta\phi}$0.50 $M_{\phi r}$0.29 NP1:ϕ_s60.00000°,δ74.00000°,λ5.00000°. NP2:ϕ_s329.00000°,δ85.00000°,λ164.00000°. $M_0$1.07000×10^{15}

(228) Near east coast of eastern Honshu

ISC	**VII**	**27 16 52 30.2–.76**	**36.33N–.04**	**140.07E–.06**	**78–6**	**3.9b**	**69**	**0-75**
IDC	VII	27 16 52 29.7–1.5	36.33N	140.14E	79–12	4.2s,3.7		**¶620978970**
NEIC	VII	27 16 52 30.8–1.2	36.37N–.03	140.0E–.10	79–7	4.6b,3.7		
JMA	VII	27 16 52 30.9–.07	36.3N–.20	140.0E–.30	72–0	3.5,3.7		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SW IBARAKI PREF .

(228) Near east coast of eastern Honshu

ISC	**VII**	**27 17 35 07.0–2.1**	**37.64N–.05**	**142.06E–.08**	**23–14**	**3.7b**	**35**	**1-74**
IDC	VII	27 17 35 03.9–.95	37.67N	142.18E	0	3.7b,3.7		**¶620970680**
NIED	VII	27 17 35 10.7	37.72N	141.72E	51	3.7W,3.7		
JMA	VII	27 17 35 10.7–.04	37.7N–.10	141.7E–.10	51–0	4.0,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.77 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-3.39 $M_{r\theta}$1.31 $M_{\theta\phi}$1.24 $M_{\phi r}$0.45 NP1:ϕ_s139.00000°,δ51.00000°,λ52.00000°. NP2:ϕ_s10.00000°,δ52.00000°,λ127.00000°. $M_0$3.63000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .

(337) Eastern Caucasus

ISC	**VII**	**28 00 41 26.4–.45**	**42.59N–.02**	**46.58E–.02**	**61–4**	**4.6b**	**1004**	**0-137**
BGR	VII	28 00 40 23.7	38.00N	53.38E	33	4.6b		**¶620857179**
NEIC	VII	28 00 41 21.4–1.9	42.75N–.06	46.55E–.05	10–1	4.7b		
CFUSG	VII	28 00 41 23.0	42.51N	46.41E	0	4.3,3.4s		
AZER	VII	28 00 41 26.6	42.34N	46.47E	10	4.8L,3.4s		
TIF	VII	28 00 41 26.3	42.61N	46.66E	71–1	4.8L,3.4s		
GFZ	VII	28 00 41 27.1–.22	43N–2.0	47E–2.0	71	4.6b,4.2		
NOGSR	VII	28 00 41 27.7	42.51N	46.57E	50–0	5.5,4.2		
MOS	VII	28 00 41 27.8	42.50N	46.56E	49–0	5.7,4.2		
DAGSR	VII	28 00 41 28.1	42.51N	46.56E	33	5.7,4.2		
IDC	VII	28 00 41 29.4–.96	42.63N	46.45E	84–9	4.4,4.0b		
NNC	VII	28 00 41 44.3–3.8	43.46N	47.42E	177–36	4.0b,4.0b		
PDG	VII	28 00 41 45.8	42.82N	46.68E	10	4.7b,4.0b		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.9km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOGSR Event type se.
MOS Event type se.
DAGSR Event type se. #FELT I=V MSK at Siuh, Harahi, Tloch, Ingerdach, Nizh. Botlikh, Mochokh, Khunzakh, I=IV-V MSK at Untsukul, Botlikh, Arakani, Tandi,) #Rugudzha, Gunib, Dubki, Buynaksk, Tlyarata, Bezhta, I=IV MSK at Chokh, Dzhungutai, Tlyarata, Elbok, Uchkent, I=IV-III MSK at #Kakashur, Kumukh, Khasavyurt, Makhachkala, Aksai, Kaspiysk, Sergokala, I=III MSK at Urcarakh, Grozny, Izberbash.
IDC Error ellipse: s-maj=8.6km s-min=7.3km az=55.0.
NNC Event type se. Error ellipse: s-maj=67.0km s-min=29.1km az=144.0.
PDG Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VII**	**28 18 19 51.7–1.5**	**35.34N–.04**	**141.06E–.06**	**32–10**	**4.4b,3.4s**	**241**	**0-152**
IDC	VII	28 18 19 46.9–.44	35.31N	141.05E	0	4.2b,4.1		**¶620857672**
MOS	VII	28 18 19 50.3–1.4	35.44N	141.19E	38	4.7b,4.1		
NIED	VII	28 18 19 52.5	35.33N	141.01E	33	4.3W,4.1		
NEIC	VII	28 18 19 52.5–2.0	35.30N–.06	141.08E–.09	38–5	4.5b,4.1		
JMA	VII	28 18 19 52.5–.09	35.3N–.20	141.0E–.30	33–1	4.3,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.27 $M_{\theta\theta}$2.58 $M_{\phi\phi}$0.69 $M_{r\theta}$-1.09 $M_{\theta\phi}$0.98 $M_{\phi r}$1.14 NP1:ϕ_s230.00000°,δ43.00000°,λ-119.00000°. NP2:ϕ_s87.00000°,δ54.00000°,λ-66.00000°. $M_0$3.45000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF BOSO PENINSULA .

(228) Near east coast of eastern Honshu

ISC	**VII**	**29 07 17 14.1–.56**	**36.67N–.06**	**141.58E–.07**	**35**	**4.2b**	**66**	**1-147**
JMA	VII	29 07 17 13.2–.09	36.7N–.40	141.6E–.40	34–1	4.1		**¶626161992**
IDC	VII	29 07 17 15.5–1.9	36.67N	141.57E	51–17	4.1,3.9b		
NEIC	VII	29 07 17 15.4–1.4	36.68N–.03	141.6E–.10	43–10	4.6b,3.9b		

ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(233) Near south coast of western Honshu

ISC	**VII**	**29 18 26 04.4–1.2**	**34.93N–.03**	**135.59E–.03**	**4–9**		**28**	**0-41**
IDC	VII	29 18 26 03.3–.95	34.78N	135.60E	0	3.6,3.5b		**¶620984131**
JMA	VII	29 18 26 04.4–.03	34.98N–.07	135.58E–.09	8–0	3.7,3.6		

ISC Event type ke.
JMA Event type fe. KYOTO OSAKA BORDER REG .

(228) Near east coast of eastern Honshu

ISC	**VII**	**29 18 48 14.9–1.0**	**40.36N–.05**	**142.01E–.08**	**54–7**	**3.9b**	**28**	**0-66**
JMA	VII	29 18 48 15.4–.09	40.3N–.30	142.0E–.30	51–0	3.6		**¶620984132**
IDC	VII	29 18 48 16.5–2.1	40.39N	142.22E	76–18	3.7,3.5b		

ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=28.5km s-min=14.1km az=99.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**30 04 05 11.7–.51**	**40.07N–.04**	**142.57E–.04**	**45–3**	**4.6s,4.5b**	**257**	**1-148**
MOS	VII	30 04 05 11.2–.78	40.15N	142.51E	52	4.8b,4.5b		**¶620883707**
JMA	VII	30 04 05 11.8–.07	40.1N–.20	142.4E–.30	38–0	4.5,4.4		
NIED	VII	30 04 05 11.8	40.10N	142.44E	38	4.5W,4.4		
NEIC	VII	30 04 05 12.7–1.5	40.17N–.06	142.42E–.09	40–6	4.5b,4.4		
IDC	VII	30 04 05 12.4–1.6	40.08N	142.47E	51–13	4.3,4.3s		
GFZ	VII	30 04 05 14.0–.41	40N–4.0	142E–6.0	45–2	4.8b,4.6		

ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.15 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-3.89 $M_{r\theta}$2.08 $M_{\theta\phi}$-0.92 $M_{\phi r}$4.06 NP1:ϕ_s184.00000°,δ22.00000°,λ72.00000°. NP2:ϕ_s23.00000°,δ69.00000°,λ97.00000°. $M_0$6.16000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(236) Shikoku

ISC	**VII**	**31 04 09 44.6–.47**	**33.76N–.04**	**134.58E–.03**	**40–4**	**4.7b,3.5s**	**214**	**0-153**
BJI	VII	31 04 09 42.3	33.58N	134.76E	40	4.8b,4.6b		**¶620923886**
IDC	VII	31 04 09 44.0–1.0	33.53N	134.65E	47–9	4.2L,4.2		
NIED	VII	31 04 09 44.7	33.80N	134.63E	45	4.5W,4.2		
JMA	VII	31 04 09 44.7–.06	33.8N–.20	134.6E–.20	45–0	4.5,4.5W		
GFZ	VII	31 04 09 45.1–.21	34N–3.0	135E–3.0	41–2	4.9,4.8b		
NEIC	VII	31 04 09 45.7–1.2	33.87N–.07	134.59E–.06	41–4	4.7b,4.8b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.40 $M_{\theta\theta}$-4.39 $M_{\phi\phi}$6.79 $M_{r\theta}$-2.43 $M_{\theta\phi}$-2.08 $M_{\phi r}$1.55 NP1:ϕ_s32.00000°,δ59.00000°,λ-16.00000°. NP2:ϕ_s130.00000°,δ77.00000°,λ-148.00000°. $M_0$6.83000×10^{15}
JMA Event type fe. TOKUSHIMA PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region

ISC	**VII**	**31 05 26 05.3–.24**	**43.39N–.03**	**141.72E–.03**	**173–1**	**5.0b**	**1434**	**0-156**
BJI	VII	31 05 26 02.1	43.42N	141.91E	167	5.0b,4.9b		**¶620923888**
MOS	VII	31 05 26 04.7–.77	43.38N	141.70E	178	5.3b,4.9b		
GFZ	VII	31 05 26 05.4–.10	43N–2.0	142E–3.0	168	5.4b,5.1b		
NIED	VII	31 05 26 05.8	43.30N	141.77E	176	5.0W,5.1b		
NEIC	VII	31 05 26 05.1–1.2	43.35N–.05	141.6E–.10	168–4	5.0b,5.1b		
NEIC	VII	31 05 26 05.1	43.35N	141.62E	168	5.0b,5.1b		
GFZ	VII	31 05 26 05.4	43.35N	141.74E	177	5.0W,5.1b		
IDC	VII	31 05 26 05.5–.39	43.41N	141.69E	172–3	5.1,4.6b		
JMA	VII	31 05 26 05.8–.17	43.3N–.60	141.8E–.90	176–1	5.1,5.0W		
SKHL	VII	31 05 26 06.6–.20	43.50N	141.80E	171–2	6.2,5.7		
GCMT	VII	31 05 26 07.5–.20	43.34N–.01	141.71E–.02	174–1	5.1W,5.7		
NEIC	VII	31 05 26 08.6	43.25N	141.76E	170	5.0,5.7		
BGR	VII	31 05 26 10.5	43.87N	141.79E	178–1	5.4b,5.7		

ISC Event type ke.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=115.2.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.64 $M_{\theta\theta}$1.01 $M_{\phi\phi}$-1.65 $M_{r\theta}$2.36 $M_{\theta\phi}$-0.13 $M_{\phi r}$2.05 NP1:ϕ_s147.00000°,δ24.00000°,λ13.00000°. NP2:ϕ_s45.00000°,δ85.00000°,λ113.00000°. $M_0$3.44000×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14 $M_{\theta\theta}$1.02 $M_{\phi\phi}$-0.89 $M_{r\theta}$2.64 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.85 NP1: ϕ_s144.47044°,δ18.40873°,λ-2.15765°. NP2:ϕ_s236.51778°,δ89.31877°,λ-108.39656°. Principal axes: T 3.3087,Plg41.4920°,Azm343.8506°; N 0.1705,Plg18.3952°,Azm236.7443° ; P -3.4793,Plg42.7913°,Azm128.8139° $M_0$3.39719×10^{16}
IDC Error ellipse: s-maj=6.8km s-min=5.9km az=98.0.
JMA Event type fe. ISHIKARI DEPRESSION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107310526A. Moment Tensor Solution. s51,c64; s122,c184; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27±.15 $M_{\theta\theta}$2.75±.16; $M_{\phi\phi}$-2.48±.15; $M_{r\theta}$3.97±.12; $M_{\theta\phi}$1.28±.15; $M_{\phi r}$3.35±.11; Best double couple: NP1:ϕ_s127.00000°,δ27.00000°,λ-6.00000°. NP2:ϕ_s222.00000°,δ87.00000°,λ-117.00000°. Principal axes: T 6.5080,Plg36.0000°,Azm336.0000°; N -1.3190,Plg27.0000°,Azm224.0000° ; P -5.1890,Plg41.0000°,Azm107.0000° $M_0$5.84900×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ6 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.06 $M_{\theta\theta}$1.27 $M_{\phi\phi}$-1.22 $M_{r\theta}$2.55 $M_{\theta\phi}$-0.43 $M_{\phi r}$2.11 NP1:ϕ_s141.90000°,δ21.60000°,λ-0.06000°. NP2:ϕ_s231.96000°,δ89.98000°,λ-111.60000°. Principal axes: T 3.4683,Plg41.0000°,Azm342.0000°; N 0.1808,Plg22.0000°,Azm232.0000° ; P -3.6491,Plg41.0000°,Azm122.0000° $M_0$3.56000×10^{16}
BGR Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VII**	**31 11 04 48.1–1.2**	**40.38N–.04**	**142.07E–.08**	**51–9**	**3.5b**	**25**	**0-60**
JMA	VII	31 11 04 48.6–.09	40.4N–.30	142.0E–.30	52–0	3.4		**¶620986119**
IDC	VII	31 11 04 49.3–2.5	40.45N	142.31E	76–22	3.5,3.3b		

ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=40.2km s-min=17.3km az=100.0.

(221) Kuril Islands

ISC	**VII**	**31 17 18 05.3–1.7**	**43.20N–.06**	**146.72E–.05**	**15–10**	**3.4b**	**31**	**1-83**
IDC	VII	31 17 18 03.6–.93	43.03N	146.84E	0	3.5b,3.5		**¶620986138**
JMA	VII	31 17 18 05.5–.37	43N–1.0	147E–2.0	46–4	3.7,3.5		
SKHL	VII	31 17 18 05.2–.20	43.20N	146.80E	23–2	4.8b,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=14.0km az=146.0.
JMA Event type fe. OFF NEMURO PENINSULA .

(246) Southwestern Ryukyu Islands

JMA	**VIII**	**01 03 18 39.1–.13**	**24.7N–.50**	**125.2E–.40**	**33–1**	**3.6**		
NIED	VIII	01 03 18 39.1	24.66N	125.22E	33	3.6W		**¶621030494**

JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.04 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$1.16 $M_{r\theta}$2.00 $M_{\theta\phi}$-1.29 $M_{\phi r}$0.32 NP1:ϕ_s179.00000°,δ42.00000°,λ-25.00000°. NP2:ϕ_s288.00000°,δ74.00000°,λ-129.00000°. $M_0$2.58000×10^{14}

(238) Ryukyu Islands

ISC	**VIII**	**01 07 53 18.6–.88**	**26.78N–.04**	**128.45E–.05**	**35–3**	**4.3b,3.4s**	**82**	**0-82**
IDC	VIII	01 07 53 13.9–.86	26.77N	128.20E	0	4.0b,4.0		**¶620925420**
NEIC	VIII	01 07 53 18.3–1.5	26.69N–.07	128.46E–.07	32–4	4.4b,4.0		
NIED	VIII	01 07 53 19.3	26.79N	128.42E	31	4.1W,4.0		
JMA	VIII	01 07 53 19.3–.11	26.8N–.40	128.4E–.60	31–0	4.1,4.0		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.28 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.83 $M_{\theta\phi}$-0.69 $M_{\phi r}$0.87 NP1:ϕ_s173.00000°,δ20.00000°,λ33.00000°. NP2:ϕ_s51.00000°

,δ79.00000°,λ107.00000°. M0 1.36000×10^15
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

(227) Eastern Honshu

JMA	**VIII**	**01 13 50 43.0–.12**	**37.1N–.30**	**140.7E–.60**	**102–0**	**4.1,3.9**		
NIED	VIII	01 13 50 43.0	37.09N	140.74E	102	3.9W,3.9	**¶626287003**	
JMA	Event type fe. EASTERN FUKUSHIMA PREF .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mrr-10.80 Mθθ6.73 Mϕϕ4.07 Mrθ1.10 Mθϕ1.72 Mϕr0.72 NP1:ϕs64.00000°,δ41.00000°,λ-89.00000°. NP2:ϕs243.00000° ,δ49.00000°,λ-91.00000°. M0 9.28000×10^14							

(232) Western Honshu

ISC	**VIII**	**02 00 37 26.4–.86**	**35.03N–.03**	**133.02E–.03**	**11–5**	**4.1b,3.0s**	**70**	**0-73**
IDC	VIII	02 00 37 24.8–.73	34.96N	133.09E	0	3.8,3.7b	**¶620993190**	
NIED	VIII	02 00 37 26.2	35.06N	133.05E	6	4.0W,3.7b		
JMA	VIII	02 00 37 26.2–.02	35.06N–.08	133.1E–.10	6–0	4.4,4.3		
NEIC	VIII	02 00 37 27.7–1.4	35.05N–.07	133.05E–.09	21–4	4.4b,4.3		
ISC	Event type ke.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr0.02 Mθθ0.72 Mϕϕ-0.74 Mrθ-0.14 Mθϕ-0.60 Mϕr0.38 NP1:ϕs245.00000°,δ67.00000°,λ-179.00000°. NP2:ϕs155.00000° ,δ89.00000°,λ-23.00000°. M0 1.03000×10^15							
JMA	Event type fe. SHIMANE HIROSHIMA BORDER.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							

(222) East of Kuril Islands

ISC	**VIII**	**02 03 28 59.8–.21**	**44.09N–.03**	**148.40E–.03**	**39–2**	**5.5b,5.0s**	**1641**	**2-154**
NIED	VIII	02 03 28 54.7	43.84N	148.43E	0	5.4W,5.0s	**¶620925865**	
JMA	VIII	02 03 28 54.7–.39	44N–2.0	148E–2.0	0	5.5,5.4W		
GFZ	VIII	02 03 28 56.7	44.18N	148.39E	30	5.3W,5.4W		
BJI	VIII	02 03 28 57.5	44.08N	148.38E	35	5.6b,5.5b		
MOS	VIII	02 03 28 57.0–.95	44.15N	148.40E	26	5.8b,5.2s		
NEIC	VIII	02 03 28 58.9–1.8	44.16N–.07	148.31E–.09	29–1	5.4,5.4b		
SKHL	VIII	02 03 28 58.6–.50	44.10N	148.50E	44–5	6.3b,5.4b		
NEIC	VIII	02 03 28 59.8	44.17N	148.31E	35	6.3b,5.4b		
NEIC	VIII	02 03 28 59.8	44.17N	148.31E	35	6.3b,5.4b		
GFZ	VIII	02 03 29 00.3–.24	44N–2.0	148E–2.0	34–1	5.9b,5.7b		
NEIC	VIII	02 03 29 00.4	43.87N	148.87E	36	5.3,5.7b		
GCMT	VIII	02 03 29 01.8–.10	44.12N–.01	148.51E–.01	32–0	5.4W,5.7b		
IDC	VIII	02 03 29 01.0–1.1	44.19N	148.28E	42–8	5.2,5.0b		
ISC	Event type ke.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^17Nm; Mrr0.78 Mθθ-0.28 Mϕϕ-0.50 Mrθ0.62 Mθϕ-0.49 Mϕr0.75 NP1:ϕs217.00000°,δ20.00000°,λ88.00000°. NP2:ϕs39.00000° ,δ70.00000°,λ91.00000°. M0 1.28000×10^17							
JMA	Event type fe. SE OFF ETOROFU .							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr0.76 Mθθ-0.17 Mϕϕ-0.59 Mrθ0.08 Mθϕ-0.55 Mϕr0.61 NP1: ϕs234.70722°,δ31.97610°,λ123.07710°. NP2:ϕs17.18926°,δ63.65709°,λ71.18517°. Principal axes: T 1.0036,Plg66.0063°,Azm253.0768°; N 0.1256,Plg16.7993°,Azm25.7867° ; P -1.1292,Plg16.6212°,Azm120.9574° M0 1.07197×10^17							
MOS	Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=116.3. Felt (III) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.							
NEIC	Event type se. Error ellipse: s-maj=12.0km s-min=10.2km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr1.31 Mθθ-0.53 Mϕϕ-0.78 Mrθ0.30 Mθϕ-0.89 Mϕr0.22 NP1:ϕs45.09000°,δ52.18000°,λ95.22000°. NP2:ϕs216.62000°,δ38.12000° ,λ83.32000°. Principal axes: T 1.3583,Plg82.0000°,Azm342.0000°; N 0.2434,Plg4.0000° ,Azm222.0000°; P -1.6017,Plg7.0000°,Azm131.0000° M0 1.49000×10^17							
NEIC	Event type se.							
NEIC	Event type se.							
GFZ	Error ellipse: s-maj=5.4km s-min=3.3km az=140.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC	Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^17Nm; Mrr1.01 Mθθ-0.82 Mϕϕ-0.19 Mrθ0.38 Mθϕ-0.61 Mϕr0.58 NP1:ϕs255.08000°,δ32.29000° ,λ116.88000°. NP2:ϕs44.13000°,δ61.55000°,λ74.06000°. Principal axes: T 1.2532,Plg69.0000°,Azm281.0000°; N 0.1075,Plg14.0000°,Azm52.0000° ; P -1.3607,Plg15.0000°,Azm146.0000° M0 1.31000×10^17							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108020328B. Moment Tensor Solution. s115,c207; s142,c278;Duration: 1s2 Moment tensor: Scale 10^17Nm; Mrr1.05±.02 Mθθ-0.41±.02; Mϕϕ-0.63±.02; Mrθ0.38±.02; Mθϕ-0.74±.01; Mϕr0.72±.02; Best double couple: NP1: ϕs231.00000°,δ29.00000°,λ107.00000°. NP2:ϕs32.00000°,δ63.00000°,λ81.00000°. Principal axes: T 1.3220,Plg71.0000°,Azm282.0000°; N 0.1970,Plg8.0000°,Azm36.0000° ; P -1.5150,Plg17.0000°,Azm129.0000° M0 1.41800×10^17							
IDC	Error ellipse: s-maj=11.5km s-min=9.2km az=141.0.							

(224) Hokkaido region

ISC	**VIII**	**02 07 43 02.6–1.4**	**43.17N–.08**	**146.00E–.09**	**42–8**	**3.5b**	**24**	**0-84**
IDC	VIII	02 07 42 54.9–3.0	42.74N	146.14E	0	3.7L,3.7b	**¶620993220**	
SKHL	VIII	02 07 43 03.3–.20	43.20N	145.90E	43–3	5.0b,3.7b		
JMA	VIII	02 07 43 03.0–.14	43.2N–.40	145.9E–.70	48–1	4.0,3.7b		
ISC	Event type ke.							
JMA	Event type fe. OFF NEMURO PENINSULA .							

(228) Near east coast of eastern Honshu

ISC	**VIII**	**02 15 35 31.6–.56**	**36.16N–.04**	**141.94E–.04**	**23–3**	**4.7b,4.3s**	**469**	**1-147**
IDC	VIII	02 15 35 28.2–.43	36.17N	141.88E	0	4.4b,4.4	**¶620929571**	
MOS	VIII	02 15 35 28.4–1.0	36.29N	141.91E	10	4.9b,4.5s		
BJI	VIII	02 15 35 30.0	36.20N	141.63E	10	4.9b,4.6s		
NIED	VIII	02 15 35 31.4	36.21N	141.87E	5	4.6W,4.6s		
JMA	VIII	02 15 35 31.4–.19	36.2N–.20	141.9E–.30	5–1	4.7,4.7W		
NEIC	VIII	02 15 35 32.8–.98	36.18N–.06	141.84E–.09	27–4	4.7b,4.7W		
GFZ	VIII	02 15 35 33.1–.52	36N–3.0	142E–3.0	28–3	4.9,4.8b		
GCMT	VIII	02 15 35 36.8–.60	36.08N–.03	141.99E–.05	30–1	4.8W,4.8b		
ISC	Event type ke.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^16Nm; Mrr0.31 Mθθ0.27 Mϕϕ-0.58 Mrθ0.36 Mθϕ-0.30 Mϕr0.79 NP1:ϕs175.00000°,δ17.00000°,λ58.00000°. NP2:ϕs27.00000° ,δ76.00000°,λ99.00000°. M0 1.00000×10^16							
JMA	Event type fe. FAR E OFF IBARAKI PREF .							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108021535A. Moment Tensor Solution. s15,c15; s63,c89; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr1.78±.17 Mθθ-0.53±.10; Mϕϕ-1.25±.10; Mrθ0.57±.13; Mθϕ-0.43±.04; Mϕr1.17±.10; Best double couple: NP1:ϕs205.00000°,δ26.00000° ,λ89.00000°. NP2:ϕs26.00000°,δ64.00000°,λ90.00000°. Principal axes: T 2.2410,Plg71.0000°,Azm297.0000°; N -0.3300,Plg0.0000°,Azm205.0000° ; P -1.9100,Plg19.0000°,Azm115.0000° M0 2.07600×10^16							

(224) Hokkaido region

ISC	**VIII**	**03 04 38 59.3–.32**	**42.86N–.03**	**141.00E–.03**	**147–2**	**4.6b**	**675**	**0-156**
BJI	VIII	03 04 38 57.5	42.87N	141.04E	153	5.3b,4.8b	**¶620930456**	
MOS	VIII	03 04 38 57.5–1.1	42.92N	140.98E	138	4.9b,4.8b		
IDC	VIII	03 04 38 59.3–.45	42.87N	140.97E	147–3	4.8,4.4b		
JMA	VIII	03 04 38 59.8–.14	42.8N–.50	141.0E–.70	145–1	4.5,4.3		
GFZ	VIII	03 04 38 59.9–.29	43N–3.0	141E–5.0	151–4	4.9b,4.9		
NEIC	VIII	03 04 38 59.3–1.1	42.82N–.05	140.96E–.10	146–5	4.5b,4.9		
SKHL	VIII	03 04 39 00.5–.30	42.80N	141.10E	148–2	6.6,5.7b		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=6.0km s-min=4.4km az=107.6.							
IDC	Error ellipse: s-maj=7.6km s-min=6.4km az=138.0.							
JMA	Event type fe. SHIRIBESHI REGION .							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se. Error ellipse: s-maj=10.5km s-min=7.7km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							

(249) Luzon

ISC	**VIII**	**03 07 26 13.8–1.2**	**14.91N–.02**	**119.62E–.04**	**17–7**	**4.6b,4.2s**	**129**	**1-153**
IDC	VIII	03 07 26 10.8–.53	14.75N	119.60E	0	4.3b,4.3	**¶620995854**	
NEIC	VIII	03 07 26 12.4–.79	14.75N–.08	119.7E–.20	10–1	4.7b,4.3		
MAN	VIII	03 07 26 14.4	14.99N	119.59E	15	5.1b,4.2s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=18.0km s-min=11.2km az=59.0.							
NEIC	Event type se. Error ellipse: s-maj=32.1km s-min=13.0km az=271.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MAN	Event type fe. INTENSITY I - SAN FELIPE ZAMBALES.							

(228) Near east coast of eastern Honshu

ISC	**VIII**	**03 07 28 23.9–.49**	**36.23N–.05**	**141.94E–.05**	**23**	**4.5b,4.2s**	**180**	**1-147**
BJI	VIII	03 07 28 19.2	36.33N	142.01E	7	4.7b,4.6b	**¶626288289**	
MOS	VIII	03 07 28 20.5–1.3	36.31N	141.97E	10	4.7b,4.6b		
IDC	VIII	03 07 28 21.1–.56	36.19N	141.82E	0	4.1b,4.1		
NEIC	VIII	03 07 28 23.4–.93	36.17N–.06	141.93E–.08	17–2	4.6b,4.1		
NIED	VIII	03 07 28 25.0	36.21N	141.83E	17	4.3W,4.1		
JMA	VIII	03 07 28 25.0–.05	36.2N–.30	141.8E–.30	17–1	4.7,4.4		
ISC	Event type ke.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr1.36 Mθθ0.04 Mϕϕ-1.39 Mrθ2.09 Mθϕ-1.62 Mϕr2.40 NP1:ϕs194.00000°,δ17.00000°,λ62.00000°. NP2:ϕs42.00000° ,δ75.00000°,λ98.00000°. M0 3.72000×10^15							
JMA	Event type fe. FAR E OFF IBARAKI PREF .							

(228) Near east coast of eastern Honshu

ISC	**VIII**	**03 10 29 16.6–.51**	**36.19N–.03**	**141.92E–.03**	**13–2**	**5.1b,4.9s**	**882**	**1-166**
BJI	VIII	03 10 29 13.8	36.24N	141.71E	5	5.2b,5.2b	**¶620930507**	
MOS	VIII	03 10 29 15.9–1.0	36.28N	141.85E	16	5.3b,5.1s		
IDC	VIII	03 10 29 15.4–.32	36.22N	141.79E	0	4.7b,4.7		
NEIC	VIII	03 10 29 16.6	36.19N	141.93E	10	4.7b,4.7		
GFZ	VIII	03 10 29 16.9–.34	36N–4.0	142E–5.0	10	5.3b,5.2		
GFZ	VIII	03 10 29 17.5	36.24N	141.79E	30	5.0W,5.2		
NEIC	VIII	03 10 29 17.6–.80	36.20N–.05	141.93E–.08	17–1	5.1b,5.2		
BGR	VIII	03 10 29 18.5	35.55N	142.08E	33	5.0b,5.2		
JMA	VIII	03 10 29 19.1–.05	36.2N–.30	141.8E–.30	17–1	5.1,5.0W		
NIED	VIII	03 10 29 19.1	36.20N	141.81E	17	5.0W,5.0W		
NEIC	VIII	03 10 29 21.5	35.99N	142.06E	24	5.0,5.0W		
GCMT	VIII	03 10 29 24.6–.20	36.14N–.02	141.88E–.02	28–0	5.1W,5.0W		
ISC	Event type ke.							
NEIC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr3.29 Mθθ-0.48 Mϕϕ-2.81 Mrθ-0.00 Mθϕ-0.96 Mϕr2.08 NP1: ϕs208.68907°,δ29.98305°,λ106.62651°. NP2:ϕs9.66722°,δ61.38970°,λ80.62585°. Principal axes: T 3.9534,Plg72.0034°,Azm257.7801°; N -0.2428,Plg8.2211°,Azm14.1871° ; P -3.7107,Plg15.8952°,Azm106.5451° M0 3.83782×10^16							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
BGR	Event type ke.							
JMA	Event type fe. FAR E OFF IBARAKI PREF .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^16Nm; Mrr1.84 Mθθ0.19 Mϕϕ-2.03 Mrθ0.76 Mθϕ-1.25 Mϕr2.58 NP1:ϕs216.00000°,δ21.00000°,λ108.00000°. NP2:ϕs17.00000° ,δ70.00000°,λ83.00000°. M0 3.49000×10^16							
NEIC	Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^16Nm; Mrr2.57 Mθθ-0.12 Mϕϕ-2.45 Mrθ1.31 Mθϕ-1.16 Mϕr2.84 NP1:ϕs199.92000°,δ20.69000° ,λ85.90000°. NP2:ϕs24.30000°,δ69.37000°,λ91.55000°. Principal axes: T 3.9888,Plg66.0000°,Azm297.0000°; N 0.3548,Plg1.0000°,Azm204.0000° ; P -4.3436,Plg24.0000°,Azm113.0000° M0 4.18000×10^16							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108031029A. Moment Tensor Solution. s49,c64; s116,c194; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr4.19±.17 Mθθ-0.87±.10; Mϕϕ-3.32±.10; Mrθ1.17±.17; Mθϕ-1.03±.06; Mϕr3.50±.15; Best double couple: NP1:ϕs201.00000°,δ23.00000° ,λ92.00000°. NP2:ϕs19.00000°,δ67.00000°,λ89.00000°. Principal axes: T 5.6480,Plg68.0000°,Azm288.0000°; N -0.4970,Plg1.0000°,Azm19.0000° ; P -5.1530,Plg22.0000°,Azm110.0000° M0 5.40000×10^16							

(228) Near east coast of eastern Honshu

ISC	**VIII**	**03 11 16 46.6–.56**	**36.21N–.04**	**141.97E–.05**	**26–3**	**4.5b,3.8s**	**247**	**1-147**
MOS	VIII	03 11 16 42.9–1.1	36.24N	142.10E	15	4.7b,3.8s	**¶620930509**	
IDC	VIII	03 11 16 43.4–.54	36.16N	141.88E	0	4.3b,4.3		
NEIC	VIII	03 11 16 45.8–1.2	36.19N–.05	142.08E–.09	20–3	4.6b,4.3		
JMA	VIII	03 11 16 47.5–.05	36.2N–.30	141.8E–.30	19–1	4.5,4.3		
NIED	VIII	03 11 16 47.5	36.19N	141.79E	19	4.3W,4.3		
GFZ	VIII	03 11 16 57.6–.29	37N–4.0	141E–4.0	48	4.6b,4.6		
ISC	Event type ke.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
JMA	Event type fe. FAR E OFF IBARAKI PREF .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr1.25 Mθθ0.22 Mϕϕ-1.47 Mrθ0.72 Mθϕ-1.05 Mϕr2.03 NP1:ϕs218.00000°,δ19.00000°,λ108.00000°. NP2:ϕs19.00000° ,δ72.00000°,λ84.00000°. M0 2.70000×10^15							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							

(228) Near east coast of eastern Honshu

ISC	**VIII**	**03 12 37 50.5–.50**	**36.92N–.04**	**141.94E–.05**	**19**	**4.3b**	**78**	**1-90**
NEIC	VIII	03 12 37 53.0–1.2	36.89N–.06	141.99E–.08	35–2	4.5b	**¶620995879**	
IDC	VIII	03 12 37 55.0–2.0	36.87N	141.70E	44–21	4.1L,4.1		
JMA	VIII	03 12 37 57.4–.11	37.0N–.30	141.5E–.30	70–0	4.5,4.1		
NIED	VIII	03 12 37 57.4	37.00N	141.51E	70	3.9W,4.1		
ISC	Event type ke.							
NEIC	Event type se. Error ellipse: s-maj=15.0km s-min=3.0km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=18.0km s-min=12.6km az=83.0.							
JMA	Event type fe. E OFF FUKUSHIMA PREF .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mrr-7.28 Mθθ2.46 Mϕϕ4.82 Mrθ4.94 Mθϕ-3.65 Mϕr1.23 NP1:ϕs165.00000°,δ42.00000°,λ-51.00000°. NP2:ϕs298.00000° ,δ58.00000°,λ-120.00000°. M8.79000×10^14							

(249) Luzon

ISC	**VIII**	**03 12 58 43.6–.41**	**14.96N–.02**	**119.70E–.05**	**22–4**	**4.5b,4.0s**	**175**	**1-119**
MAN	VIII	03 12 58 43.1	15.03N	119.64E	15	5.2b,4.3s	**¶620961705**	
NEIC	VIII	03 12 58 45.5–.89	14.92N–.06	119.8E–.10	35–2	4.6b,4.3s		
IDC	VIII	03 12 58 47.4–2.2	14.97N	119.87E	56–22	4.2,3.9b		
ISC	Event type se.							
MAN	Event type fe. INTENSITY II - SAN FELIPE ZAMBALES.							
NEIC	Event type se. Error ellipse: s-maj=18.2km s-min=10.7km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=21.9km s-min=13.4km az=66.0.							

(229) Off east coast of Honshu

ISC	**VIII**	**03 13 20 20.2–.40**	**37.36N–.04**	**142.17E–.05**	**37–1**	**4.7b,4.0s**	**410**	**1-154**
IDC	VIII	03 13 20 14.9–.45	37.34N	142.24E	0	4.5,4.4b	**¶620961702**	
BJI	VIII	03 13 20 17.7	37.19N	142.40E	45	4.9b,4.6b		
MOS	VIII	03 13 20 17.7–.96	37.38N	142.22E	28	4.8b,4.6b		
GFZ	VIII	03 13 20 20.0–.27	37N–4.0	142E–4.0	29	4.8b,4.8		
JMA	VIII	03 13 20 20.3–.06	37.3N–.20	142.1E–.20	40–0	4.8,4.6		
NIED	VIII	03 13 20 20.3	37.34N	142.07E	40	4.4W,4.6		
NEIC	VIII	03 13 20 20.8–1.1	37.35N–.06	142.20E–.10	37–6	4.7b,4.6		
ISC	Event type ke.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
JMA	Event type fe. E OFF FUKUSHIMA PREF .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr-4.03 Mθθ2.51 Mϕϕ1.52 Mrθ-0.56 Mθϕ1.57 Mϕr1.62 NP1:ϕs70.00000°,δ44.00000°,λ-63.00000°. NP2:ϕs216.00000° ,δ52.00000°,λ-113.00000°. M0 4.14000×10^15							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							

(250) Mindoro

ISC	**VIII**	**03 16 20 09.8–.95**	**13.55N–.02**	**120.83E–.02**	**26–7**	**4.7b,3.9s**	**325**	**1-100**
MAN	VIII	03 16 20 05.5	13.52N	120.84E	1	5.4b,4.5s	**¶620961712**	
DJA	VIII	03 16 20 11.5–.80	14N–4.0	121E–4.0	57–9	5.3b,4.7		
BJI	VIII	03 16 20 11.3	13.04N	121.09E	90	4.7b,4.5b		
IDC	VIII	03 16 20 12.6–4.5	13.55N	120.84E	54–44	4.3,4.1b		
NEIC	VIII	03 16 20 17.1–1.6	13.48N–.08	120.9E–.10	92–8	4.7b,4.1b		

GFZ VIII 03 16 20 19.5–.29 13N–4.0 121E–5.0 120 4.7,4.6b
ISC Event type se.
MAN Event type fe. INTENSITY III - PUERTO GALERA AND SAN TEODORO ORIENTAL MINDORO; TINGLOY BATANGAS; . INTENSITY II - BATANGAS CITY MABINI AND SAN PASCUAL BATANGAS.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**03 20 33 35.4–.40**	**36.17N–.02**	**141.92E–.03**	**24–2**	**5.7s,5.6b**	**2134**	**1-164**
BJI	VIII	03 20 33 31.9	36.30N	141.73E	10	6.2s,6.0b		**¶626288840**
NEIC	VIII	03 20 33 32.8	36.09N	142.11E	10	6.2s,6.0b		
IPGP	VIII	03 20 33 32.0	36.11N	142.09E	15	6.0W,6.0b		
NEIC	VIII	03 20 33 32.5	36.11N	142.07E	10	6.0W,6.0b		
MOS	VIII	03 20 33 33.8–1.3	36.33N	141.97E	18	6.1s,5.9b		
IDC	VIII	03 20 33 33.1–.39	36.32N	141.78E	0	5.7s,5.1b		
NEIC	VIII	03 20 33 34.8–1.6	36.10N–.05	142.10E–.07	27–1	5.8,5.7b		
PTWC	VIII	03 20 33 34	36.10N	142.20E	74	5.8,5.7b		
ISC-P	VIII	03 20 33 34	36.10N	142.10E	4–0	6.6,5.7b		
GFZ	VIII	03 20 33 35.5	36.19N	141.76E	32	5.8W,5.7b		
NIED	VIII	03 20 33 36.9	36.21N	141.81E	18	5.8W,5.7b		
JMA	VIII	03 20 33 36.9–.04	36.2N–.20	141.8E–.30	18–1	6.0,5.8W		
BGR	VIII	03 20 33 37.3	36.91N	142.13E	10	6.0s,5.8b		
GFZ	VIII	03 20 33 39.1–.09	36N–2.0	142E–2.0	33	6.2b,5.9		
KEA	VIII	03 20 33 40.5	36.30N	141.75E	33	5.8s,5.9		
GCMT	VIII	03 20 33 40.3–.10	36.15N	141.82E	22–0	5.8W,5.9		
NEIC	VIII	03 20 33 42.3	36.09N	142.11E	22	5.8,5.9		

ISC Event type ke.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s228.00000°,δ19.00000°,λ113.00000°. NP2:ϕ_s23.00000°,δ73.00000°,λ82.00000°.
NEIC Event type se.
MOS Error ellipse: s-maj=5.9km s-min=3.3km az=115.7.
IDC Error ellipse: s-maj=8.5km s-min=7.6km az=129.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.6km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.64 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$-2.32 $M_{r\theta}$1.97 $M_{\theta\phi}$-2.60 $M_{\theta r}$4.18 NP1:ϕ_s27.90000°,δ69.80000°,λ80.15000°. NP2:ϕ_s234.58000°,δ22.38000°,λ114.93000°. Principal axes: T 5.8439,Plg64.0000°,Azm282.0000°; N 0.6428,Plg9.0000°,Azm31.0000°; P -6.4867,Plg24.0000°,Azm126.0000° $M_0$6.19000×10^{17}
ISC-P Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}0.44±.18 $M_{\theta\theta}$-0.19±.25; $M_{\phi\phi}$0.29±.21; $M_{r\theta}$0.21±.14; $M_{\theta\phi}$0.47±.14; $M_{\phi r}$-0.28±.15; NP1:ϕ_s31.70000°,δ76.40000°,λ58.90000°. NP2:ϕ_s280.40000°,δ33.70000°,λ154.90000°. $M_0$8.61000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.42 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-3.59 $M_{r\theta}$1.48 $M_{\theta\phi}$-1.57 $M_{\phi r}$4.61 NP1:ϕ_s202.64102°,δ19.07788°,λ94.33915°. NP2:ϕ_s18.05074°,δ70.97891°,λ88.50108°. Principal axes: T 5.7832,Plg63.9912°,Azm285.6333°; N 0.7353,Plg1.4171°,Azm18.5394°; P -6.5185,Plg25.9643°,Azm109.2296° $M_0$6.18374×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.32 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-2.87 $M_{r\theta}$1.24 $M_{\theta\phi}$-2.30 $M_{\phi r}$5.01 NP1:ϕ_s232.00000°,δ19.00000°,λ128.00000°. NP2:ϕ_s13.00000°,δ75.00000°,λ78.00000°. $M_0$6.10000×10^{17}
JMA Event type fe. FAR E OFF IBARAKI PREF .
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108032033A. Moment Tensor Solution. s145,c324; s166,c535;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.90±.05 $M_{\theta\theta}$-0.55±.03; $M_{\phi\phi}$-4.35±.04; $M_{r\theta}$1.59±.07; $M_{\theta\phi}$-1.86±.03; $M_{\phi r}$5.33±.09; Best double couple: NP1:ϕ_s207.00000°,δ21.00000°,λ98.00000°. NP2:ϕ_s18.00000°,δ69.00000°,λ87.00000°. Principal axes: T 7.3920,Plg66.0000°,Azm283.0000°; N 0.1850,Plg3.0000°,Azm19.0000°; P -7.5730,Plg24.0000°,Azm110.0000° $M_0$7.48200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}3.38 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-3.45 $M_{r\theta}$1.98 $M_{\theta\phi}$-0.85 $M_{\phi r}$4.43 NP1:ϕ_s182.80000°,δ18.74000°,λ71.71000°. NP2:ϕ_s22.04000°,δ72.24000°,λ96.08000°. Principal axes: T 5.9089,Plg62.0000°,Azm301.0000°; N 0.1646,Plg6.0000°,Azm200.0000°; P -6.0734,Plg27.0000°,Azm107.0000° $M_0$5.99000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**03 20 39 02.2–.43**	**36.18N–.05**	**141.90E–.05**	**23**	**4.8b**	**197**	**1-147**
IDC	VIII	03 20 38 59.6–.66	36.27N	141.85E	0	4.4b,4.4		**¶626288856**
MOS	VIII	03 20 39 00.0–.80	36.29N	141.88E	15	5.1b,4.4		
NEIC	VIII	03 20 39 02.8–1.4	36.24N–.05	141.90E–.09	24–5	4.9b,4.4		
JMA	VIII	03 20 39 03.3–.16	36.2N–.10	141.8E–.20	5–1	5.3,4.7		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. FAR E OFF IBARAKI PREF .

(228) Near east coast of eastern Honshu

ISC	**VIII**	**03 20 43 11.0–.60**	**36.19N–.03**	**141.97E–.04**	**12–3**	**5.7s,5.2b**	**1105**	**1-154**
MOS	VIII	03 20 43 09.9–.96	36.30N	141.95E	13	5.6s,5.6b		**¶626288862**
BJI	VIII	03 20 43 09.6	36.28N	141.74E	10	5.7b,5.6s		
IDC	VIII	03 20 43 09.9–.44	36.22N	141.78E	0	4.9b,4.9		
NEIC	VIII	03 20 43 10.2–1.8	36.14N–.04	142.10E–.05	10–1	5.2,5.2b		
JMA	VIII	03 20 43 13.2–.19	36.2N–.20	141.9E–.30	6–1	5.4,5.2W		
NIED	VIII	03 20 43 13.2	36.19N	141.91E	6	5.1W,5.2W		
GFZ	VIII	03 20 43 15.3–.14	36N–2.0	142E–3.0	30	5.5,5.2b		
BGR	VIII	03 20 43 17.0	36.76N	142.51E	33	6.0s,5.3b		
GCMT	VIII	03 20 43 17.3–.20	36.13N–.02	142.00E–.02	26–1	5.2W,5.3b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.58 $M_{\theta\theta}$1.45 $M_{\phi\phi}$-3.03 $M_{r\theta}$1.43 $M_{\theta\phi}$-1.86 $M_{\phi r}$4.60 NP1:ϕ_s211.00000°,δ15.00000°,λ104.00000°. NP2:ϕ_s16.00000°,δ76.00000°,λ86.00000°. $M_0$5.50000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108032043A. Moment Tensor Solution. s8,c9; s127,c213; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.57±.04 $M_{\theta\theta}$-0.01±.02; $M_{\phi\phi}$-0.55±.02; $M_{r\theta}$0.30±.04; $M_{\theta\phi}$-0.15±.01; $M_{\phi r}$0.58±.04; Best double couple: NP1:ϕ_s185.00000°,δ22.00000°,λ72.00000°. NP2:ϕ_s24.00000°,δ69.00000°,λ97.00000°. Principal axes: T 0.8720,Plg65.0000°,Azm305.0000°; N 0.0130,Plg6.0000°,Azm201.0000°; P -0.8850,Plg24.0000°,Azm108.0000° $M_0$0.87900×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**03 22 10 55.3–.79**	**36.21N–.04**	**141.99E–.04**	**13–4**	**5.0b,4.6s**	**734**	**1-152**
IDC	VIII	03 22 10 53.6–.37	36.19N	141.95E	0	4.8,4.7b		**¶626289002**
BJI	VIII	03 22 10 53.6	36.31N	141.79E	10	5.1b,5.0b		
NEIC	VIII	03 22 10 54.7–1.5	36.14N–.06	142.07E–.09	10–1	4.9b,5.0b		
GFZ	VIII	03 22 10 55.4–.38	36N–4.0	142E–5.0	10	5.1b,5.0		
MOS	VIII	03 22 10 55.6–.97	36.40N	141.93E	16	5.3b,4.6s		
NIED	VIII	03 22 10 57.3	36.19N	141.91E	6	4.7W,4.6s		
JMA	VIII	03 22 10 57.3–.20	36.2N–.20	141.9E–.30	6–1	4.9,4.8		
BGR	VIII	03 22 11 01.5	36.88N	141.42E	10	4.9b,4.6s		

ISC Event type ke.
IDC Error ellipse: s-maj=9.9km s-min=7.0km az=100.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.7km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=7.0km s-min=3.9km az=118.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.83 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-0.59 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.56 NP1:ϕ_s216.00000°,δ27.00000°,λ88.00000°. NP2:ϕ_s39.00000°,δ63.00000°,λ91.00000°. $M_0$1.22000×10^{16}
JMA Event type fe. FAR E OFF IBARAKI PREF .
BGR Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 02 56 25.1–.71**	**36.21N–.03**	**141.93E–.04**	**17–4**	**5.0b,4.5s**	**1068**	**1-154**
IDC	VIII	04 02 56 23.2–.40	36.22N	141.89E	0	4.8b,4.8		**¶626289340**
MOS	VIII	04 02 56 23.9–.90	36.35N	141.90E	14	5.3b,4.8s		
NEIC	VIII	04 02 56 24.9–.90	36.24N–.06	141.99E–.07	13–3	5.0b,4.8		
BJI	VIII	04 02 56 24.1	36.35N	141.59E	10	5.1b,5.0b		
NIED	VIII	04 02 56 26.9	36.26N	141.84E	18	4.8W,5.0b		
JMA	VIII	04 02 56 26.9–.03	36.3N–.20	141.8E–.20	18–1	5.1,4.8W		
GFZ	VIII	04 02 56 27.3–1.0	36N–3.0	142E–3.0	24–6	5.1b,5.0		
GCMT	VIII	04 02 56 30.5–.40	36.24N–.03	141.97E–.03	28–1	4.9W,5.0		
BGR	VIII	04 02 56 32.8	36.79N	141.63E	33	5.0b,4.5s		

ISC Event type ke.
IDC Error ellipse: s-maj=10.1km s-min=8.9km az=106.0.
MOS Error ellipse: s-maj=6.7km s-min=3.7km az=121.4.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.9km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.69 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.71 $M_{\phi r}$1.21 NP1:ϕ_s226.00000°,δ21.00000°,λ119.00000°. NP2:ϕ_s15.00000°,δ72.00000°,λ80.00000°. $M_0$1.61000×10^{16}
JMA Event type fe. FAR E OFF IBARAKI PREF .
GFZ Error ellipse: s-maj=7.5km s-min=4.5km az=123.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108040256A. Moment Tensor Solution. s37,c48; s94,c138; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.99±.13 $M_{\theta\theta}$-0.38±.08; $M_{\phi\phi}$-1.61±.08; $M_{r\theta}$0.53±.13; $M_{\theta\phi}$-0.86±.05; $M_{\phi r}$1.99±.13; Best double couple: NP1:ϕ_s216.00000°,δ23.00000°,λ106.00000°. NP2:ϕ_s19.00000°,δ68.00000°,λ83.00000°. Principal axes: T 2.8790,Plg66.0000°,Azm276.0000°; N 0.0150,Plg6.0000°,Azm21.0000°; P -2.8950,Plg23.0000°,Azm114.0000° $M_0$2.88700×10^{16}
BGR Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 04 40 25.7–.25**	**36.11N–.03**	**141.83E–.03**	**22–1**	**5.6b,5.3s**	**1702**	**1-158**
BJI	VIII	04 04 40 22.0	36.27N	141.64E	9	5.7s,5.7b		**¶620966419**
IDC	VIII	04 04 40 22.8–.34	36.18N	141.87E	0	5.1b,5.1		
IPGP	VIII	04 04 40 23.0	36.14N	141.97E	23	5.5W,5.1		
GFZ	VIII	04 04 40 24.8	36.12N	141.74E	16	5.3W,5.1		
NEIC	VIII	04 04 40 24.8	36.19N	141.85E	10	5.3W,5.1		
MOS	VIII	04 04 40 24.1–.94	36.22N	141.76E	16	5.8b,5.6s		
NEIC	VIII	04 04 40 25.4–1.3	36.18N–.06	141.86E–.07	14–1	5.7b,5.5		
NEIC	VIII	04 04 40 25.8	36.17N	141.77E	17	5.7b,5.5		
JMA	VIII	04 04 40 26.6–.05	36.2N–.30	141.8E–.30	21–1	5.7,5.4W		
NIED	VIII	04 04 40 26.6	36.16N	141.75E	21	5.4W,5.4W		
NEIC	VIII	04 04 40 26.1	35.97N	141.89E	16	5.4,5.4W		
KEA	VIII	04 04 40 27.1	36.23N	142.01E	33	5.2s,5.4W		
GFZ	VIII	04 04 40 27.0–.11	36N–2.0	142E–2.0	28–0	5.9b,5.5		
GCMT	VIII	04 04 40 29.7–.10	36.11N–.01	141.76E–.01	22–0	5.4W,5.5		
BGR	VIII	04 04 40 33.2	36.90N	141.56E	33	5.5b,5.3s		

ISC Event type ke.
IDC Error ellipse: s-maj=7.8km s-min=6.3km az=119.0.
IPGP Moment Tensor Solution. NP1:ϕ_s227.00000°,δ25.00000°,λ117.00000°. NP2:ϕ_s18.00000°,δ68.00000°,λ78.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.75 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.64 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.75 NP1:ϕ_s201.62020°,δ21.41408°,λ89.47577°. NP2:ϕ_s22.18330°,δ68.58686°,λ90.20559°. Principal axes: T 1.1044,Plg66.4125°,Azm292.5466°; N -0.0121,Plg0.1914°,Azm202.1082°; P -1.0923,Plg23.5866°,Azm112.0247° $M_0$1.09837×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=3.6km az=119.9.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.4km az=322.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.12 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-1.48 $M_{r\theta}$0.43 $M_{\theta\phi}$-0.65 $M_{\phi r}$1.20 NP1:ϕ_s19.89000°,δ66.19000°,λ92.33000°. NP2:ϕ_s194.14000°,δ23.92000°,λ84.74000°. Principal axes: T 1.6136,Plg69.0000°,Azm294.0000°; N 0.5652,Plg2.0000°,Azm199.0000°; P -2.1788,Plg21.2000°,Azm108.0000° $M_0$1.96000×10^{17}
NEIC Event type se.
JMA Event type fe. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.56 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.69 $M_{\phi r}$1.18 NP1:ϕ_s248.00000°,δ27.00000°,λ148.00000°. NP2:ϕ_s7.00000°,δ76.00000°,λ67.00000°. $M_0$1.47000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.58 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.43 $M_{\phi r}$1.31 NP1:ϕ_s222.08000°,δ15.12000°,λ108.23000°. NP2:ϕ_s23.24000°,δ75.66000°,λ85.17000°. Principal axes: T 1.5661,Plg59.0000°,Azm287.0000°; N 0.1011,Plg5.0000°,Azm24.0000°; P -1.6672,Plg30.0000°,Azm117.0000° $M_0$1.62000×10^{17}
GFZ Error ellipse: s-maj=4.0km s-min=2.9km az=125.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108040440A. Moment Tensor Solution. s128,c242; s151,c326;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.23±.02 $M_{\theta\theta}$-0.31±.01; $M_{\phi\phi}$-0.92±.01; $M_{r\theta}$0.16±.02; $M_{\theta\phi}$-0.70±.01; $M_{\phi r}$1.08±.03; Best double couple: NP1:ϕ_s230.00000°,δ28.00000°,λ119.00000°. NP2:ϕ_s17.00000°,δ65.00000°,λ75.00000°. Principal axes: T 1.6870,Plg66.0000°,Azm261.0000°; N 0.0410,Plg13.0000°,Azm24.0000°; P -1.7250,Plg19.0000°,Azm118.0000° $M_0$1.70600×10^{17}
BGR Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 06 08 25.1–.51**	**36.23N–.05**	**141.87E–.05**	**31–2**	**4.6b,4.3s**	**158**	**1-147**
MOS	VIII	04 06 08 21.0–1.0	36.27N	142.00E	18	4.8b,4.3s		**¶620966428**
BJI	VIII	04 06 08 22.0	36.33N	141.59E	12	4.7b,4.6s		
JMA	VIII	04 06 08 23.2–.24	36.2N–.30	141.9E–.30	4–1	4.8,4.7		
NIED	VIII	04 06 08 23.2	36.21N	141.88E	4	4.6W,4.7		
IDC	VIII	04 06 08 26.8–1.5	36.19N	141.89E	47–13	4.3,4.2s		
NEIC	VIII	04 06 08 26.1–1.6	36.21N–.05	141.86E–.09	34–5	4.8b,4.2s		

ISC Event type ke.
JMA Event type fe. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.15 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-2.75 $M_{r\theta}$-0.23 $M_{\theta\phi}$-3.94 $M_{\phi r}$6.04 NP1:ϕ_s253.00000°,δ33.00000°,λ161.00000°. NP2:ϕ_s359.00000°,δ80.00000°,λ59.00000°. $M_0$7.60000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 06 14 54.7–.49**	**36.20N–.05**	**141.85E–.05**	**10**	**4.6b,4.5s**	**149**	**1-147**
IDC	VIII	04 06 14 52.9–.53	36.13N	141.90E	0	4.4s,4.2b		**¶626289577**
BJI	VIII	04 06 14 52.2	36.24N	141.90E	9	5.0b,4.6s		
MOS	VIII	04 06 14 53.7–.93	36.20N	141.99E	20	4.7b,4.6s		
NEIC	VIII	04 06 14 54.9–1.6	36.18N–.06	141.98E–.10	10–1	4.8b,4.6s		
JMA	VIII	04 06 14 57.0–.06	36.2N–.30	141.8E–.40	17–2	4.7,4.4		
NIED	VIII	04 06 14 57.0	36.21N	141.84E	17	4.5W,4.4		

ISC Event type ke.
IDC Error ellipse: s-maj=12.0km s-min=9.2km az=102.0.
MOS Error ellipse: s-maj=11.0km s-min=6.3km az=120.6.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.3km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}6.08 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-6.20 $M_{r\theta}$0.12 $M_{\theta\phi}$-0.24 $M_{\phi r}$3.91 NP1:ϕ_s182.00000°,δ29.00000°,λ90.00000°. NP2:ϕ_s2.00000°,δ61.00000°,λ90.00000°. $M_0$7.28000×10^{15}

(243) Taiwan region

ISC	**VIII**	**04 07 53 08.1–.98**	**24.3N–.10**	**122.94E–.06**	**47–7**	**3.4b**	**27**	**0-49**
IDC	VIII	04 07 53 01.8–1.2	24.40N	123.01E	0	3.9s,3.6b		**¶620997294**
JMA	VIII	04 07 53 08.2–.07	24N–1.0	123.0E–.40	48–0	3.9,3.6b		

ISC Event type ke.
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .

(228) Near east coast of eastern Honshu

ISC	**VIII**	**04 09 26 41.0–.62**	**36.19N–.04**	**141.85E–.05**	**24–4**	**4.7b,4.1s**	**364**	**1-147**
IDC	VIII	04 09 26 38.0–.43	36.22N	141.86E	0	4.5,4.4b		**¶626289794**
MOS	VIII	04 09 26 38.5–.94	36.32N	141.83E	13	4.9b,4.0s		
NEIC	VIII	04 09 26 41.8–1.1	36.24N–.06	141.90E–.09	27–5	4.8b,4.0s		

BJI VIII 04 09 26 41.0 36.33N 141.78E 33 4.8b,4.7b
NIED VIII 04 09 26 41.4 36.21N 141.87E 17 4.5W,4.7b
JMA VIII 04 09 26 41.4–.03 36.2N–.20 141.9E–.20 17–1 4.8,4.4
GFZ VIII 04 09 26 43.9–.27 36N–4.0 142E–4.0 30 4.8b,4.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.40 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-1.58 $M_{r\theta}$0.20 $M_{\theta\phi}$-3.92 $M_{\phi r}$4.33 NP1:ϕ_s260.00000°,δ38.00000°,λ156.00000°. NP2:ϕ_s9.00000° ,δ76.00000°,λ54.00000°. M_o6.19000×10^{15}
JMA Event type fe. FAR E OFF IBARAKI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC VIII 04 10 28 29.0–.63 36.17N–.06 141.86E–.06 23 4.2b,4.0s 56 1-98
BJI VIII 04 10 28 22.6 36.24N 142.28E 10 4.8b,4.5b **¶626289885**
NEIC VIII 04 10 28 27.2–1.7 36.12N–.07 142.02E–.08 10–1 4.4b,4.5b
IDC VIII 04 10 28 27.3–.86 36.19N 141.83E 0 3.9,3.9s
JMA VIII 04 10 28 31.3–.05 36.2N–.20 141.7E–.30 24–1 4.5,4.1
NIED VIII 04 10 28 31.3 36.21N 141.70E 24 4.4W,4.1
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=11.2km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=13.3km az=95.0.
JMA Event type fe. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.55 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-2.02 $M_{r\theta}$1.40 $M_{\theta\phi}$-1.50 $M_{\phi r}$3.63 NP1:ϕ_s216.00000°,δ15.00000°,λ105.00000°. NP2:ϕ_s21.00000° ,δ76.00000°,λ86.00000°. M_o4.44000×10^{15}

(226) Near west coast of eastern Honshu

ISC VIII 04 13 13 11.0–1.1 37.46N–.04 137.20E–.05 16–9 13 0-2
JMA VIII 04 13 13 11.2–.04 37.5N–.10 137.2E–.10 13–0 3.6 **¶621024190**
NIED VIII 04 13 13 11.2 37.46N 137.18E 13 3.5W
ISC Event type ke.
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.24 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$-0.31 $M_{r\theta}$0.71 $M_{\theta\phi}$-1.22 $M_{\phi r}$-0.29 NP1:ϕ_s203.00000°,δ47.00000°,λ44.00000°. NP2:ϕ_s80.00000° ,δ60.00000°,λ127.00000°. M_o1.81000×10^{14}

(259) Mindanao

ISC VIII 04 16 56 46.0–.44 5.07N–.03 125.30E–.04 52–4 4.8b,3.5s 359 1-146
BJI VIII 04 16 56 41.6 4.56N 125.61E 67 5.0b,4.6b **¶620968080**
MAN VIII 04 16 56 43.8 5.02N 125.41E 28 5.5b,4.8s
NEIC VIII 04 16 56 45.3–2.2 5.05N–.06 125.28E–.07 39–5 4.9b,4.8s
DJA VIII 04 16 56 47.5–.40 5N–3.0 125E–3.0 49–4 5.3,5.1b
IDC VIII 04 16 56 47.8–1.5 5.01N 125.31E 75–12 4.3,4.0b
GFZ VIII 04 16 56 48.2–.21 5N–3.0 125E–4.0 76 4.9b,4.8
ISC Event type se.
MAN Event type fe. INTENSITY III - SARANGANI DAVAO OCCIDENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(243) Taiwan region

ISC VIII 04 21 50 46.8–.30 24.78N–.01 122.36E–.01 15–1 5.7s,5.6b 2374 0-178
ASIES VIII 04 21 50 44.5 24.80N 122.45E 17 5.7W,5.6b **¶620969507**
MOS VIII 04 21 50 44.7–.90 24.81N 122.39E 12 5.9b,5.8s
TAP VIII 04 21 50 45.4 24.80N 122.32E 7–0 6.1L,5.8s
BJI VIII 04 21 50 45.9 24.82N 122.32E 10 6.3s,6.3L
ISC-P VIII 04 21 50 46 24.78N 122.31E 3–0 6.0,6.3L
NIED VIII 04 21 50 46.2 24.73N 122.35E 55 5.8W,6.3L
NEIC VIII 04 21 50 46.5–1.8 24.78N–.06 122.31E–.05 10–1 5.8b,5.7
IPGP VIII 04 21 50 46.0 24.79N 122.28E 12 5.8W,5.7
JMA VIII 04 21 50 46.2–.22 25N–1.0 122.4E–.50 55–3 6.3,5.9W
NEIC VIII 04 21 50 46.5 24.78N 122.31E 10 6.3,5.9W
NEIC VIII 04 21 50 46.1 24.78N 122.33E 7 6.3,5.9W
GFZ VIII 04 21 50 47.2–.22 25N–1.0 122E–1.0 19–1 6.1b,5.7
PTWC VIII 04 21 50 47 24.70N 122.40E 10 6.0,5.7
GCMT VIII 04 21 50 47.4–.10 24.77N 122.17E 12 5.8W,5.7
GFZ VIII 04 21 50 48.7 24.78N 122.35E 16 5.8W,5.7
IDC VIII 04 21 50 51.5–1.7 24.81N 122.45E 51–15 5.5s,5.3
BGR VIII 04 21 50 52.7 25.18N 122.03E 33 5.9s,5.7b
NEIC VIII 04 21 50 58.6 24.78N 122.33E 12 5.8,5.7b
ISC Event type ke.
ASIES Moment Tensor Solution. NP1:ϕ_s97.00000°,δ37.00000°,λ-72.00000°. NP2:ϕ_s254.00000° ,δ55.00000°,λ-103.00000°.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=112.1.
TAP C.
ISC-P Moment Tensor Solution. s45 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.57±.08 $M_{\theta\theta}$0.57±.16; $M_{\phi\phi}$-0.01±.14; $M_{r\theta}$0.30±.11; $M_{\theta\phi}$0.22±.16; $M_{\phi r}$-0.19±.22; NP1:ϕ_s263.30000°,δ60.10000° ,λ243.90000°. NP2:ϕ_s127.80000°,δ38.90000°,λ-52.60000°. M_o1.48000×10^{18}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.29 $M_{\theta\theta}$5.26 $M_{\phi\phi}$-0.97 $M_{r\theta}$3.96 $M_{\theta\phi}$0.25 $M_{\phi r}$0.62 NP1:ϕ_s94.00000°,δ25.00000°,λ-80.00000°. NP2:ϕ_s263.00000° ,δ65.00000°,λ-95.00000°. M_o6.24000×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.3km az=327.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.26 $M_{\theta\theta}$4.51 $M_{\phi\phi}$-1.25 $M_{r\theta}$1.60 $M_{\theta\phi}$0.30 $M_{\phi r}$-0.40 NP1:ϕ_s74.30000°,δ35.24000°,λ-109.05000°. NP2:ϕ_s277.22000°,δ56.95000° ,λ-77.01000°. Principal axes: T 4.8295,Plg11.0000°,Azm358.0000°; N -1.1701,Plg11.0000° ,Azm90.0000°; P -3.6595,Plg74.0000°,Azm223.0000° M_o4.36000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s102.00000°,δ38.00000°,λ-77.00000°. NP2:ϕ_s266.00000° ,δ53.00000°,λ-100.00000°.
JMA Event type fe. TAIWAN REGION .
NEIC Event type se.
NEIC Event type se.
GFZ Error ellipse: s-maj=2.9km s-min=2.8km az=69.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC TAIWAN REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108042150A. Moment Tensor Solution. s142,c314; s159,c522;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.62±.04 $M_{\theta\theta}$6.34±.03; $M_{\phi\phi}$-1.72±.04; $M_{r\theta}$2.59±.09; $M_{\theta\phi}$0.11±.03; $M_{\phi r}$1.82±.10; Best double couple: NP1:ϕ_s113.00000°,δ37.00000°,λ-53.00000°. NP2:ϕ_s249.00000°,δ61.00000°,λ-114.00000°. Principal axes: T 6.9520,Plg13.0000°,Azm356.0000°; N -1.0190,Plg21.0000°,Azm261.0000° ; P -5.9330,Plg65.0000°,Azm116.0000° M_o6.44200×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.12 $M_{\theta\theta}$5.41 $M_{\phi\phi}$-0.29 $M_{r\theta}$-1.37 $M_{\theta\phi}$0.12 $M_{\phi r}$0.62 NP1: ϕ_s95.95372°,δ52.65902°,λ-81.09213°. NP2:ϕ_s261.46521°,δ38.23763°,λ-101.47310°. Principal axes: T 5.5903,Plg7.2672°,Azm179.6165°; N -0.2134,Plg7.0716°,Azm270.5229° ; P -5.3769,Plg79.8332°,Azm44.2922° M_o5.48671×10^{17}
IDC Error ellipse: s-maj=10.2km s-min=8.1km az=81.0.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.49 $M_{\theta\theta}$6.45 $M_{\phi\phi}$-1.97 $M_{r\theta}$1.63 $M_{\theta\phi}$0.03 $M_{\phi r}$-2.20 NP1:ϕ_s62.81000°,δ43.93000° ,λ-132.99000°. NP2:ϕ_s295.13000°,δ59.50000°,λ-56.69000°. Principal axes: T 6.7012,Plg9.0000°,Azm2.0000°; N -0.7748,Plg28.0000°,Azm97.0000° ; P -5.9263,Plg60.0000°,Azm257.0000° M_o6.35000×10^{17}

(243) Taiwan region

ISC VIII 05 02 14 08.3–.59 24.33N–.03 122.97E–.02 49–4 4.3b,3.6s 419 0-95
BJI VIII 05 02 14 05.4 24.16N 123.11E 47 4.5b,4.4L **¶620969526**
NEIC VIII 05 02 14 08.7–1.0 24.36N–.05 122.90E–.04 47–6 4.5b,4.4
TAP VIII 05 02 14 08.8 24.39N 122.95E 46–0 5.0L,4.4
JMA VIII 05 02 14 08.9–.08 24N–1.0 123.0E–.40 49–0 4.4,4.4
NEIC VIII 05 02 14 08.4 24.35N 122.92E 48 4.4,4.4
NIED VIII 05 02 14 08.9 24.36N 122.98E 49 4.4W,4.4
IDC VIII 05 02 14 09.1–2.7 24.46N 122.99E 56–25 4.1,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=2.2km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.19 $M_{\theta\theta}$-4.50 $M_{\phi\phi}$0.31 $M_{r\theta}$1.62 $M_{\theta\phi}$-0.43 $M_{\phi r}$2.27 NP1:ϕ_s285.01000°,δ37.41000°,λ125.93000°. NP2:ϕ_s62.63000°,δ60.54000° ,λ65.83000°. Principal axes: T 5.4089,Plg65.0000°,Azm288.0000°; N -0.4753,Plg21.0000° ,Azm75.0000°; P -4.9336,Plg12.0000°,Azm170.0000° M_o5.19000×10^{15}
TAP C.
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
NEIC Event type se.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}4.01 $M_{\theta\theta}$-4.47 $M_{\phi\phi}$0.46 $M_{r\theta}$1.37 $M_{\theta\phi}$-0.88 $M_{\phi r}$0.81 NP1:ϕ_s269.00000°,δ36.00000°,λ104.00000°. NP2:ϕ_s72.00000° ,δ55.00000°,λ80.00000°. M_o4.61000×10^{15}
IDC Error ellipse: s-maj=15.6km s-min=13.5km az=42.0.

(243) Taiwan region

ISC VIII 06 08 11 04.3–.35 24.75N–.01 122.24E–.01 14–1 5.2b,5.0s 1043 0-178
IDC VIII 06 08 11 01.1–.33 24.77N 122.19E 0 4.7b,4.7 **¶620970724**
MOS VIII 06 08 11 02.0–1.0 24.72N 122.21E 12 5.3b,5.0s
NEIC VIII 06 08 11 04.4–1.6 24.75N–.06 122.24E–.06 10–1 5.3,5.2b
NEIC VIII 06 08 11 04.3 24.74N 122.23E 7 5.3,5.2b
NEIC VIII 06 08 11 04.4 24.73N 122.25E 10 5.3,5.2b
ASIES VIII 06 08 11 04.5 24.79N 122.21E 8 5.3W,5.2b
TAP VIII 06 08 11 04.7 24.79N 122.19E 13–0 5.7L,5.2b
GCMT VIII 06 08 11 04.2–.10 24.79N–.01 122.10E–.01 13–0 5.3W,5.2b
BJI VIII 06 08 11 04.4 24.85N 122.30E 20 5.6s,5.5
NIED VIII 06 08 11 04.7 24.73N 122.24E 50 5.3W,5.5
JMA VIII 06 08 11 04.7–.16 24.7N–.80 122.2E–.30 50–3 5.6,5.4W
GFZ VIII 06 08 11 05.9–.19 25N–3.0 122E–2.0 10 5.2b,5.2
GFZ VIII 06 08 11 06.8 24.69N 122.19E 10 5.2W,5.2
NEIC VIII 06 08 11 12.5 24.74N 122.23E 12 5.3,5.2
ISC Event type ke.
IDC Error ellipse: s-maj=9.7km s-min=6.4km az=66.0.
MOS Error ellipse: s-maj=6.2km s-min=4.0km az=111.7.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.7km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56 $M_{\theta\theta}$0.80 $M_{\phi\phi}$-0.24 $M_{r\theta}$0.91 $M_{\theta\phi}$-0.02 $M_{\phi r}$0.18 NP1:ϕ_s259.28000°,δ72.46000°,λ-100.13000°. NP2:ϕ_s109.95000° ,δ20.18000°,λ-60.90000°. Principal axes: T 1.2538,Plg27.0000°,Azm357.0000° ; N -0.2028,Plg10.0000°,Azm262.0000°; P -1.0510,Plg61.0000°,Azm154.0000° M_o1.17000×10^{17}
NEIC Event type se.
NEIC Event type se.
ASIES Moment Tensor Solution. NP1:ϕ_s67.00000°,δ30.00000°,λ-124.00000°. NP2:ϕ_s285.00000° ,δ66.00000°,λ-72.00000°.
TAP C.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108060811A. Moment Tensor Solution. s124,c207; s135,c258;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87±.02 $M_{\theta\theta}$1.08±.01; $M_{\phi\phi}$-0.20±.01; $M_{r\theta}$0.71±.03; $M_{\theta\phi}$-0.03±.01; $M_{\phi r}$0.12±.03; Best double couple: NP1: ϕ_s102.00000°,δ28.00000°,λ-74.00000°. NP2:ϕ_s263.00000°,δ63.00000°,λ-98.00000°. Principal axes: T 1.3090,Plg18.0000°,Azm360.0000°; N -0.1890,Plg7.0000°,Azm267.0000° ; P -1.1170,Plg70.0000°,Azm155.0000° M_o1.21300×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.97 $M_{\theta\theta}$10.25 $M_{\phi\phi}$-2.28 $M_{r\theta}$0.92 $M_{\theta\phi}$0.84 $M_{\phi r}$-1.42 NP1:ϕ_s73.00000°,δ44.00000°,λ-110.00000°. NP2:ϕ_s279.00000° ,δ49.00000°,λ-72.00000°. M_o9.35000×10^{16}
JMA Event type fe. TAIWAN REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.29 $M_{\theta\theta}$9.01 $M_{\phi\phi}$-0.72 $M_{r\theta}$2.93 $M_{\theta\phi}$-0.91 $M_{\phi r}$-2.51 NP1: ϕ_s80.92355°,δ36.82266°,λ-113.36051°. NP2:ϕ_s289.27340°,δ56.61850°,λ-73.46511°. Principal axes: T 9.6571,Plg10.1937°,Azm7.4750°; N -0.2539,Plg13.7477°,Azm99.9964° ; P -9.4022,Plg72.7641°,Azm242.0522° M_o9.53219×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-0.20 $M_{r\theta}$0.73 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.19 NP1:ϕ_s74.71000°,δ27.77000° ,λ-112.72000°. NP2:ϕ_s280.04000°,δ64.55000°,λ-78.50000°. Principal axes: T 1.3042,Plg19.0000°,Azm1.0000°; N -0.1581,Plg10.0000°,Azm95.0000° ; P -1.1461,Plg68.0000°,Azm213.0000° M_o1.23000×10^{17}

(228) Near east coast of eastern Honshu

ISC VIII 07 02 56 04.7–1.7 40.11N–.05 142.56E–.08 32–11 3.6b 28 1-72
IDC VIII 07 02 56 00.4–1.1 40.16N 142.73E 0 3.8,3.7b **¶621000698**
NIED VIII 07 02 56 06.3 40.10N 142.45E 38 3.8W,3.7b
JMA VIII 07 02 56 06.3–.07 40.1N–.20 142.5E–.30 38–0 3.9,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.93 $M_{\theta\theta}$0.51 $M_{\phi\phi}$-3.44 $M_{r\theta}$1.71 $M_{\theta\phi}$-0.28 $M_{\phi r}$3.38 NP1:ϕ_s165.00000°,δ24.00000°,λ55.00000°. NP2:ϕ_s22.00000° ,δ71.00000°,λ104.00000°. M_o4.97000×10^{14}
JMA Event type fe. NE OFF IWATE PREF .

(329) Eastern Kazakhstan

ISC VIII 07 03 02 26.9–.34 49.09N–.02 81.90E–.02 10 4.0b,3.1s 173 2-86
IDC VIII 07 03 02 24.7–.58 49.28N 82.08E 0 3.9,3.8b **¶620976033**
MOS VIII 07 03 02 25.7–2.4 49.21N 81.92E 10 4.3b,3.8b
NEIC VIII 07 03 02 26.9–2.5 49.34N–.06 82.1E–.10 17–2 4.5b,3.8b
NNC VIII 07 03 02 27.9–.90 49.18N 81.78E 8–6 4.5b,4.2
ASGSR VIII 07 03 02 31.1–.38 50N–3.0 82E–1.0 9 4.5,4.2
SOME VIII 07 03 02 33.8 48.88N 81.47E 15 4.5,4.2
ISC Event type se.
IDC Error ellipse: s-maj=9.2km s-min=8.0km az=68.0.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=4.5km az=77.7. Felt (II-III) at Ust-Kamenogors. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.1km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=7.1km s-min=4.0km az=67.0.
ASGSR Event type se. Error ellipse: s-maj=7.0km s-min=3.2km az=177.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(228) Near east coast of eastern Honshu

ISC VIII 07 07 31 53.1–1.3 38.90N–.06 142.0E–.10 52–9 3.8b 25 0-63
NIED VIII 07 07 31 53.2 38.93N 141.93E 51 3.6W **¶626292831**
JMA VIII 07 07 31 53.2–.08 38.9N–.20 141.9E–.30 51–0 3.6
IDC VIII 07 07 31 55.0–3.0 38.95N 142.01E 78–23 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.62 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-1.60 $M_{r\theta}$0.79 $M_{\theta\phi}$-0.14 $M_{\phi r}$1.63 NP1:ϕ_s172.00000°,δ23.00000°,λ64.00000°. NP2:ϕ_s20.00000° ,δ70.00000°,λ100.00000°. M_o2.43000×10^{14}
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=39.6km s-min=19.3km az=78.0.

(228) Near east coast of eastern Honshu

ISC VIII 08 09 18 41.3–1.9 37.58N–.05 141.78E–.09 27–12 3.5b 27 1-61
IDC VIII 08 09 18 37.0–1.2 37.50N 142.01E 0 3.8,3.6b **¶621002122**
NIED VIII 08 09 18 44.3 37.60N 141.51E 49 3.7W,3.6b
JMA VIII 08 09 18 44.3–.07 37.6N–.20 141.5E–.20 49–0 3.7,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.11 $M_{\theta\theta}$1.28 $M_{\phi\phi}$-1.39 $M_{r\theta}$2.31 $M_{\theta\phi}$0.29 $M_{\phi r}$2.85 NP1:ϕ_s130.00000°,δ20.00000°,λ2.00000°. NP2:ϕ_s38.00000° ,δ89.00000°,λ110.00000°. M_o3.92000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .

(221) Kuril Islands

ISC VIII 08 09 37 32.5–.53 43.12N–.04 146.38E–.04 75–3 4.4b 288 1-93
MOS VIII 08 09 37 30.9–.97 43.10N 146.39E 75 4.7b **¶620976283**
GFZ VIII 08 09 37 31.7–.75 43N–4.0 147E–8.0 70–4 4.5b,4.5
NEIC VIII 08 09 37 32.0–1.3 43.12N–.05 146.4E–.10 67–6 4.4b,4.5
SKHL VIII 08 09 37 32.3–.50 43.10N 146.50E 84–3 6.8,5.8b
IDC VIII 08 09 37 33.8–2.4 43.19N 146.35E 81–20 4.0,3.7b
NIED VIII 08 09 37 33.8 43.17N 146.27E 72 4.1W,3.7b
JMA VIII 08 09 37 33.8–.16 43.2N–.50 146.3E–.90 72–1 4.2,4.2
ISC Event type ke.
MOS Event type fe. Felt (II-III) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.03 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$0.65 $M_{r\theta}$0.16 $M_{\theta\phi}$1.51 $M_{\phi r}$0.47 NP1:ϕ_s80.00000°,δ76.00000°,λ7.00000°. NP2:ϕ_s348.00000° ,δ83.00000°,λ166.00000°. M_o1.71000×10^{15}

JMA Event type fe. OFF NEMURO PENINSULA .

(224) Hokkaido region

ISC	**VIII**	**08 19 38 21.2–.76**	**41.96N–.03**	**141.76E–.04**	**75–7**	**3.5b**	**46**	**1-70**
NIED	VIII	08 19 38 20.8	41.95N	141.73E	74	3.7W		**¶621002141**
JMA	VIII	08 19 38 20.8–.17	42.0N–.40	141.7E–.50	74–1	3.5		
IDC	VIII	08 19 38 22.1–1.5	42.02N	141.97E	91–14	3.6,3.2b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.77 $M_{\theta\theta}$-4.13 $M_{\phi\phi}$2.36 $M_{r\theta}$-1.33 $M_{\theta\phi}$-0.17 $M_{\phi r}$1.03 NP1:ϕ_s48.00000°,δ53.00000°,λ22.00000°. NP2:ϕ_s305.00000° ,δ72.00000°,λ141.00000°. M_o3.84000×10^{14}

JMA Event type fe. S OFF TOMAKOMAI .

IDC Error ellipse: s-maj=21.7km s-min=12.5km az=107.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**09 14 41 53.7–1.0**	**37.84N–.05**	**141.17E–.07**	**84–7**	**3.5b**	**37**	**0-58**
IDC	VIII	09 14 41 49.5–5.5	37.99N	141.75E	72–40	3.6,3.4b		**¶621007269**
JMA	VIII	09 14 41 54.3–.07	37.8N–.20	141.1E–.30	84–0	3.8,3.4b		

ISC Event type ke.

JMA Event type fe. E OFF FUKUSHIMA PREF .

(228) Near east coast of eastern Honshu

ISC	**VIII**	**09 16 15 09.5–.80**	**36.44N–.05**	**141.34E–.06**	**37–1**	**4.0b**	**59**	**1-76**
NEIC	VIII	09 16 15 09.5–.94	36.47N–.05	141.4E–.10	37–6	4.4b		**¶621007272**
NIED	VIII	09 16 15 09.3	36.44N	141.25E	37	3.8W		
JMA	VIII	09 16 15 09.3–.12	36.4N–.30	141.3E–.50	37–1	3.9		
IDC	VIII	09 16 15 10.6–2.2	36.39N	141.28E	44–20	3.8,3.5b		

ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.3km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.03 $M_{\theta\theta}$1.08 $M_{\phi\phi}$-1.05 $M_{r\theta}$4.17 $M_{\theta\phi}$3.20 $M_{\phi r}$1.40 NP1:ϕ_s1.00000°,δ39.00000°,λ178.00000°. NP2:ϕ_s92.00000° ,δ89.00000°,λ51.00000°. M_o5.26000×10^{14}

JMA Event type fe. E OFF IBARAKI PREF .

IDC Error ellipse: s-maj=20.1km s-min=11.8km az=75.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**10 09 39 38.0–1.2**	**40.35N–.03**	**141.13E–.05**	**5–10**	**3.8b**	**24**	**0-64**
IDC	VIII	10 09 39 37.0–1.2	40.31N	140.98E	0	3.7b,3.5		**¶621008108**
JMA	VIII	10 09 39 39.4–.06	40.4N–.20	141.3E–.20	10–0	3.3,3.5		

ISC Event type ke.

JMA Event type fe. EASTERN AOMORI PREF .

(327) Lake Baykal region

ISC	**VIII**	**10 12 04 50.5–.84**	**52.85N–.02**	**107.89E–.02**	**14–6**	**3.7b**	**153**	**0-81**
IDC	VIII	10 12 04 48.0–1.1	52.89N	108.01E	0	4.0s,3.6b		**¶620979648**
MOS	VIII	10 12 04 49.4–1.5	52.79N	107.93E	15	3.8b,3.6b		
BYKL	VIII	10 12 04 51.2–.09	52.81N	107.93E	21–1	3.8b,3.6b		

ISC Event type se.

IDC Error ellipse: s-maj=14.8km s-min=11.9km az=169.0.

MOS Event type fe. Error ellipse: s-maj=9.8km s-min=7.0km az=49.0. Felt (IV) at Gremyachinsk; (III) at Kuytun; (II-III) at Kamensk, Ulan-Ude. Moment Tensor Solution.

BYKL Event type se. FELT I=IV MSK at Gremyachinsk; III at Kuitun; II-III at Kamensk, Ulan-Ude.

(221) Kuril Islands

ISC	**VIII**	**10 12 08 44.2–.33**	**44.11N–.03**	**148.38E–.03**	**32–1**	**5.1b,4.5s**	**1044**	**1-153**
NIED	VIII	10 12 08 40.7	44.13N	148.31E	0	5.0W,4.5s		**¶620979642**
BJI	VIII	10 12 08 40.4	44.06N	148.73E	34	5.3b,5.3b		
JMA	VIII	10 12 08 40.7–.79	44N–3.0	148E–4.0	0	5.9,5.3		
IDC	VIII	10 12 08 40.0–.44	44.24N	148.37E	0	4.8b,4.8		
SKHL	VIII	10 12 08 42.1–.40	44.00N	148.60E	49–9	6.0b,5.0		
MOS	VIII	10 12 08 43.0–.93	44.10N	148.37E	36	5.4b,4.7s		
NEIC	VIII	10 12 08 45.0–1.1	44.16N–.08	148.3E–.10	35–1	5.0,4.9b		
GFZ	VIII	10 12 08 45.6–.26	44N–4.0	148E–3.0	38–2	5.2b,5.0		
GCMT	VIII	10 12 08 46.5–.20	44.04N–.01	148.61E–.02	33–1	5.0W,5.0		
BGR	VIII	10 12 08 57.0	45.67N	146.51E	33	5.3b,4.6s		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.01 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-1.93 $M_{r\theta}$1.64 $M_{\theta\phi}$-0.90 $M_{\phi r}$2.57 NP1:ϕ_s160.00000°,δ20.00000°,λ36.00000°. NP2:ϕ_s36.00000° ,δ78.00000°,λ107.00000°. M_o3.50000×10^{16}

JMA Event type fe. SE OFF ETOROFU .

IDC Error ellipse: s-maj=11.3km s-min=8.0km az=144.0.

MOS Error ellipse: s-maj=5.2km s-min=3.8km az=114.7.

NEIC Event type se. Error ellipse: s-maj=15.4km s-min=11.0km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=9.4km s-min=4.5km az=142.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108101208A. Moment Tensor Solution. s64,c83; s109,c172; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.08±.14 $M_{\theta\theta}$-0.43±.10; $M_{\phi\phi}$-2.64±.10; $M_{r\theta}$0.90±.12; $M_{\theta\phi}$-1.71±.07; $M_{\phi r}$3.16±.14; Best double couple: NP1:ϕ_s220.00000°,δ24.00000° ,λ109.00000°. NP2:ϕ_s19.00000°,δ68.00000°,λ82.00000°. Principal axes: T 4.4860,Plg66.0000°,Azm274.0000°; N 0.4000,Plg8.0000°,Azm22.0000° ; P -4.8800,Plg22.0000°,Azm115.0000° M_o4.68300×10^{16}

BGR Event type ke.

(259) Mindanao

ISC	**VIII**	**11 17 46 13.8–.18**	**6.42N–.02**	**126.70E–.02**	**59–1**	**6.8s,6.3b**	**2590**	**1-178**
BJI	VIII	11 17 46 09.7	6.45N	126.85E	40	6.8s,6.8		**¶620983080**
MOS	VIII	11 17 46 11.5–1.0	6.54N	126.68E	54	6.8s,6.4b		
IDC	VIII	11 17 46 12.7–.78	6.44N	126.61E	51–5	6.6s,5.4		
MAN	VIII	11 17 46 12.5	6.30N	126.87E	59	7.1s,6.9b		
NEIC	VIII	11 17 46 13.1–2.6	6.48N–.05	126.72E–.07	55–3	6.4b,6.9b		
NEIC	VIII	11 17 46 13.4	6.48N	126.71E	57	6.4b,6.9b		
IPGP	VIII	11 17 46 14.0	6.46N	126.74E	44	7.2W,6.9b		
GFZ	VIII	11 17 46 14.1	6.50N	126.71E	42	7.1W,6.9b		
GFZ	VIII	11 17 46 14.1–.13	7N–1.0	127E–2.0	63–1	7.0b,7.0		
PTWC	VIII	11 17 46 15	6.50N	126.80E	36	7.3,7.0		
DJA	VIII	11 17 46 16.6–.20	6N–2.0	127E–1.0	81–2	7.2,7.2W		
GCMT	VIII	11 17 46 29.1–.10	6.09N	127.00E	45–0	7.1W,7.2W		
NEIC	VIII	11 17 46 39	6.18N	127.01E	50	7.1,7.2W		

ISC Event type se.

MOS Error ellipse: s-maj=6.2km s-min=3.5km az=114.7. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s166.00000°,δ51.00000°,λ53.00000°. NP2: ϕ_s36.00000°,δ51.00000°,λ127.00000°. Principal axes: T Plg62.0000°,Azm11.0000° ; N Plg28.0000°,Azm191.0000°; P Plg0.0000°,Azm101.0000°

IDC Error ellipse: s-maj=9.6km s-min=5.2km az=77.0.

MAN Event type fe. INTENSITY V - CITY OF MATI BAGANGA GOVERNOR GENEROSO AND LUPON DAVAO ORIENTAL; CITY OF PANABO CITY OF TAGUM AND CARMEN DAVAO DEL NORTE; NABUNTURAN; DAVAO DE ORO; CITY OF GENERAL SANTOS; ALABEL AND MALUNGON SARANGANI; SARANGANI DAVAO OCCIDENTAL; . INTENSITY IV - CITY OF DAVAO; KIBLAWAN DAVAO DEL SUR; CITY OF KORONADAL BANGA POLOMOLOK TAMPAKAN AND TUPI SOUTH COTABATO; GLAN MALAPATAN AND ; KIAMBA SARANGANI; MONKAYO DAVAO DE ORO; . INTENSITY III - CITY OF KIDAPAWAN AND KABACAN COTABATO; CITY OF BAYUGAN AGUSAN DEL SUR; MAASIM SARANGANI; NORALA SURALLAH SANTO NINO AND T"BOLI SOUTH ; COTABATO; . INTENSITY II - CITY OF CAGAYAN DE ORO; CITY OF TACURONG AND PRESIDENT QUIRINO SULTAN KUDARAT; CITY OF BISLIG AND HINATUAN SURIGAO DEL SUR; TALAKAG BUKIDNON; ; ALAMEDA ANTIPAS ARAKAN BANISILAN MAGPET AND PRESIDENT ROXAS COTABATO; . INTENSITY I - MAMBAJAO CAMIGUIN.

NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.8km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s173.00000°,δ50.00000°,λ56.00000°. NP2:ϕ_s40.00000° ,δ50.00000°,λ124.00000°.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}4.13 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-4.78 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.86 $M_{\phi r}$-1.58 NP1: ϕ_s175.88846°,δ55.39992°,λ73.86328°. NP2:ϕ_s22.88831°,δ37.74855°,λ111.94360°. Principal axes: T 4.5861,Plg73.8713°,Azm40.8609°; N 0.5555,Plg13.2249°,Azm185.2185° ; P -5.1416,Plg9.0668°,Azm277.3677° M_o4.88759×10^{19}

GFZ Error ellipse: s-maj=3.4km s-min=2.7km az=77.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108111746A. Moment Tensor Solution. s171,c448; s176,c849;Duration: 8s6 Moment tensor: Scale 10^{19}Nm; M_{rr}4.56±.02 $M_{\theta\theta}$0.91±.01; $M_{\phi\phi}$-5.47±.01; $M_{r\theta}$1.84±.03; $M_{\theta\phi}$-1.01±.01; $M_{\phi r}$-0.63±.03; Best double couple: NP1:ϕ_s31.00000°,δ48.00000°,λ123.00000°. NP2:ϕ_s167.00000°,δ52.00000°,λ59.00000°. Principal axes: T 5.4150,Plg66.0000°,Azm13.0000°; N 0.2270,Plg24.0000°,Azm187.0000° ; P -5.6380,Plg2.0000°,Azm278.0000° M_o5.52700×10^{19}

NEIC Event type se. Moment Tensor Solution.Duration: 18s5 Moment tensor: Scale 10^{19}Nm; M_{rr}4.36 $M_{\theta\theta}$0.66 $M_{\phi\phi}$-5.02 $M_{r\theta}$3.06 $M_{\theta\phi}$-0.52 $M_{\phi r}$-0.56 NP1:ϕ_s31.11000°,δ50.25000° ,λ130.04000°. NP2:ϕ_s158.39000°,δ53.94000°,λ52.28000°. Principal axes: T 6.1300,Plg60.0000°,Azm8.0000°; N -1.0536,Plg30.0000°,Azm183.0000° ; P -5.0764,Plg2.0000°,Azm274.0000° M_o5.68000×10^{19}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**12 11 36 10.5–.61**	**34.97N–.04**	**140.34E–.05**	**70–5**	**4.5b**	**157**	**0-148**
GFZ	VIII	12 11 36 09.2–.26	35N–3.0	141E–3.0	75	4.8b,4.8		**¶620984153**
NIED	VIII	12 11 36 10.6	34.97N	140.34E	73	4.2W,4.8		
JMA	VIII	12 11 36 10.6–.13	35.0N–.40	140.3E–.50	73–1	4.2,4.1		
NEIC	VIII	12 11 36 11.2–2.0	34.93N–.02	140.34E–.09	67–7	4.6b,4.1		
IDC	VIII	12 11 36 12.0–.98	34.88N	140.15E	80–8	4.3,4.0b		

ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.60 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-1.06 $M_{r\theta}$-1.17 $M_{\theta\phi}$-0.29 $M_{\phi r}$-1.20 NP1:ϕ_s336.00000°,δ24.00000°,λ26.00000°. NP2:ϕ_s222.00000° ,δ80.00000°,λ112.00000°. M_o1.93000×10^{15}

JMA Event type fe. SE OFF BOSO PENINSULA .

NEIC Event type se. Error ellipse: s-maj=10.8km s-min=2.8km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=14.2km s-min=5.9km az=72.0.

(248) Philippine Islands region

ISC	**VIII**	**12 15 42 28.8–.29**	**6.14N–.03**	**127.24E–.04**	**49–2**	**5.0b,4.9s**	**490**	**1-156**
MAN	VIII	12 15 42 24.1	6.12N	127.54E	35	5.7b,5.1s		**¶622451427**
GFZ	VIII	12 15 42 25.5–.21	6N–3.0	127E–4.0	10	5.1b,4.9		
BJI	VIII	12 15 42 26.4	5.84N	127.25E	70	5.1s,5.1b		
NEIC	VIII	12 15 42 27.6–1.9	6.14N–.06	127.17E–.06	35–1	5.2b,5.1b		
DJA	VIII	12 15 42 27.2–.90	6N–7.0	127E–5.0	10	5.5b,5.5b		
GCMT	VIII	12 15 42 29.2–.20	6.05N–.02	127.35E–.01	19–0	5.2W,5.5b		
NEIC	VIII	12 15 42 29.8	6.10N	127.08E	58	5.2W,5.5b		
IDC	VIII	12 15 42 32.2–1.3	6.32N	127.11E	71–10	4.6,4.5s		
NEIC	VIII	12 15 42 34.2	5.90N	127.28E	22	5.1,4.5s		

ISC Event type se.

MAN Event type fe. INTENSITY III - CITY OF MATI AND LUPON DAVAO ORIENTAL.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.8km az=226.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108121542A. Moment Tensor Solution. s85,c124; s102,c162;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.60±.02 $M_{\theta\theta}$0.07±.01; $M_{\phi\phi}$-0.67±.02; $M_{r\theta}$0.18±.03; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$0.48±.04; Best double couple: NP1: ϕ_s172.00000°,δ27.00000°,λ69.00000°. NP2:ϕ_s15.00000°,δ65.00000°,λ100.00000°. Principal axes: T 0.7960,Plg69.0000°,Azm305.0000°; N 0.0510,Plg9.0000°,Azm190.0000° ; P -0.8470,Plg19.0000°,Azm97.0000° M_o0.82100×10^{17}

NEIC Event type se.

IDC Error ellipse: s-maj=13.5km s-min=9.4km az=67.0.

NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}5.61 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-5.63 $M_{r\theta}$-0.20 $M_{\theta\phi}$-0.62 $M_{\phi r}$-1.53 NP1:ϕ_s5.84000°,δ37.37000° ,λ89.43000°. NP2:ϕ_s186.56000°,δ52.63000°,λ90.43000°. Principal axes: T 5.8176,Plg82.0000°,Azm99.0000°; N 0.0829,Plg0.0000°,Azm6.0000° ; P -5.9005,Plg8.0000°,Azm276.0000° M_o5.86000×10^{16}

(248) Philippine Islands region

ISC	**VIII**	**12 15 53 33.5–.38**	**6.19N–.02**	**127.29E–.03**	**43–2**	**5.4s,5.4b**	**1215**	**1-177**
IPGP	VIII	12 15 53 28.0	6.29N	127.38E	16	5.8W,5.4b		**¶620984165**
NEIC	VIII	12 15 53 28.5–1.5	6.29N–.04	127.30E–.05	10–1	5.6b,5.4		
MAN	VIII	12 15 53 29.8	6.20N	127.52E	33	6.3b,6.0s		
NEIC	VIII	12 15 53 29	6.29N	127.22E	3	6.3b,6.0s		
BJI	VIII	12 15 53 30.1	6.27N	127.16E	25	5.5s,5.5b		
MOS	VIII	12 15 53 30.4–1.2	6.17N	127.02E	29	5.5b,5.4s		
GFZ	VIII	12 15 53 33.3	6.23N	127.17E	21	5.6W,5.4s		
IDC	VIII	12 15 53 34.3–.67	6.21N	127.16E	50–5	5.2s,5.0		
DJA	VIII	12 15 53 36.4–.40	6N–3.0	127E–2.0	49–4	5.9b,5.8		
PTWC	VIII	12 15 53 36	6.20N	127.20E	44	5.7,5.8		
GFZ	VIII	12 15 53 36.1–.10	6N–2.0	127E–2.0	56	5.4,5.4b		
GCMT	VIII	12 15 53 36.6–.10	6.06N–.01	127.32E–.01	22–0	5.7W,5.4b		
NEIC	VIII	12 15 53 40.3	6.29N	127.22E	12	5.7,5.4b		

ISC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s148.00000°,δ38.00000°,λ31.00000°. NP2:ϕ_s32.00000° ,δ72.00000°,λ124.00000°.

NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.6km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MAN Event type fe. INTENSITY II - CITY OF TAGUM DAVAO DEL NORTE; LUPON DAVAO ORIENTAL.

NEIC Event type se.

MOS Error ellipse: s-maj=7.4km s-min=3.7km az=117.2.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.69 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-2.09 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.03 $M_{\phi r}$2.04 NP1: ϕ_s166.15128°,δ22.59376°,λ66.16335°. NP2:ϕ_s11.72445°,δ69.42559°,λ99.54620°. Principal axes: T 2.6749,Plg64.3337°,Azm297.4332°; N 0.3220,Plg8.9322°,Azm188.3422° ; P -2.9969,Plg23.8500°,Azm94.3579° M_o2.84958×10^{17}

IDC Error ellipse: s-maj=7.8km s-min=5.4km az=59.0.

PTWC PHILIPPINE ISLANDS REGION.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108121553A. Moment Tensor Solution. s143,c281; s154,c320;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.90±.04 $M_{\theta\theta}$0.68±.03; $M_{\phi\phi}$-3.58±.03; $M_{r\theta}$1.08±.06; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$1.96±.07; Best double couple: NP1: ϕ_s168.00000°,δ31.00000°,λ61.00000°. NP2:ϕ_s20.00000°,δ63.00000°,λ106.00000°. Principal axes: T 3.7360,Plg68.0000°,Azm322.0000°; N 0.4820,Plg14.0000°,Azm193.0000° ; P -4.2230,Plg16.0000°,Azm98.0000° M_o3.97900×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.07 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-1.99 $M_{r\theta}$0.80 $M_{\theta\phi}$0.21 $M_{\phi r}$3.74 NP1:ϕ_s144.48000°,δ14.92000° ,λ42.38000°. NP2:ϕ_s13.07000°,δ80.00000°,λ101.14000°. Principal axes: T 3.7984,Plg54.0000°,Azm296.0000°; N 0.7201,Plg11.0000°,Azm191.0000° ; P -4.5186,Plg34.0000°,Azm94.0000° M_o4.21000×10^{17}

(248) Philippine Islands region

ISC	**VIII**	**12 20 17 08.4–.32**	**6.01N–.03**	**127.15E–.04**	**54–2**	**5.1b**	**484**	**1-144**
MAN	VIII	12 20 17 04.9	6.00N	127.37E	56	5.9b,5.4s		**¶620984515**
IDC	VIII	12 20 17 07.1–1.2	6.05N	127.11E	47–11	4.8,4.6L		
NEIC	VIII	12 20 17 08.7–2.4	5.97N–.07	127.20E–.08	55–7	5.2b,4.6L		
DJA	VIII	12 20 17 08.0–.80	6N–7.0	127E–4.0	119–15	5.5,5.5		
GFZ	VIII	12 20 17 08.9–.15	6N–2.0	127E–3.0	54	5.2b,5.2		

ISC Event type se.

MAN Event type fe. INTENSITY III - CITY OF MATI DAVAO ORIENTAL.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(326) Southwestern Siberia

ISC	**VIII**	**12 20 41 56.3–.48**	**54.27N–.02**	**87.07E–.01**	**6–2**	**5.7s,4.8b**	**620**	**0-160**
NNC	VIII	12 20 41 52.4–2.7	54.33N	87.32E	0	5.3b,5.2		**¶620984539**
BJI	VIII	12 20 41 54.5	54.24N	86.80E	8	4.6b,5.2		
MOS	VIII	12 20 41 54.9–1.2	54.20N	87.05E	2	5.6s,5.1b		
ASGSR	VIII	12 20 41 55.8	54N–1.0	87E–1.0	3–1	5.6,5.1b		
IDC	VIII	12 20 41 55.6–.41	54.29N	87.10E	0	4.3b,4.3		

NEIC VIII 12 20 41 57.0–1.6 54.29N–.04 87.05E–.08 10–1 5.0b,4.3
GFZ VIII 12 20 41 58.2–.28 54N–3.0 87E–4.0 10 4.8b,4.8
BGR VIII 12 20 42 07.3 53.92N 85.80E 33 5.0b,4.8
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=22.3km s-min=14.8km az=23.0.
MOS Event type fe. Error ellipse: s-maj=4.6km s-min=4.1km az=102.3. Felt (IV) at Bol'shaya Talda, Prokop'evsk; (III) at Novokuznetsk; (II) at Kemerovo. Moment Tensor Solution.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/Hypo71. manual. confirmed.
IDC Error ellipse: s-maj=9.2km s-min=6.9km az=172.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=3.8km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.

(243) Taiwan region

ISC	**VIII**	**12 22 53 44.0–.71**	**24.31N–.06**	**122.97E–.04**	**47–5**	**4.4b**	**73**	**0-165**
NEIC	VIII	12 22 53 44.3–1.6	24.31N–.06	122.98E–.02	45–3	4.8b		**¶621009572**
JMA	VIII	12 22 53 44.2–.08	24N–1.0	123.0E–.40	48–0	4.1,3.9		
IDC	VIII	12 22 53 45.3–3.5	24.39N	123.00E	59–34	4.0,3.8L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=1.8km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=24.2km s-min=13.8km az=63.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**13 00 48 50.3–1.1**	**36.58N–.05**	**141.00E–.07**	**41–10**	**4.2b**	**42**	**0-49**
IDC	VIII	13 00 48 45.3–1.2	36.65N	141.03E	0	4.0b,4.0		**¶621011953**
NEIC	VIII	13 00 48 50.3–1.9	36.57N–.06	141.1E–.10	35–2	4.5b,4.0		
JMA	VIII	13 00 48 50.5–.09	36.6N–.20	140.9E–.30	49–1	3.8,4.0		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF IBARAKI PREF .

(228) Near east coast of eastern Honshu

ISC	**VIII**	**13 05 36 29.7–.62**	**36.91N–.05**	**141.50E–.05**	**10**	**4.8s,4.2b**	**53**	**1-90**
NEIC	VIII	13 05 36 28.5–2.3	36.71N–.03	141.8E–.10	12–5	4.5b,4.2b		**¶626296370**
IDC	VIII	13 05 36 28.1–.72	36.93N	141.52E	0	4.8s,3.9b		
NIED	VIII	13 05 36 30.3	36.94N	141.40E	11	4.2W,3.9b		
JMA	VIII	13 05 36 30.3–.06	36.9N–.20	141.4E–.30	11–1	4.6,4.6		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.50 $M_{\theta\theta}$-1.45 $M_{\phi\phi}$1.95 $M_{r\theta}$0.57 $M_{\theta\phi}$1.36 $M_{\phi r}$0.48 NP1:ϕ_s334.00000°,δ71.00000°,λ-178.00000°. NP2:ϕ_s243.00000° ,δ88.00000°,λ-19.00000°. M_o2.29000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .

(227) Eastern Honshu

ISC	**VIII**	**13 09 41 33.4–1.1**	**36.03N–.05**	**139.89E–.05**	**49–10**		**19**	**0-60**
IDC	VIII	13 09 41 23.8–5.3	36.28N	140.63E	0	3.4b,3.4		**¶621012111**
JMA	VIII	13 09 41 34.3–.09	36.1N–.20	139.9E–.30	45–0	3.0,3.4		

ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .

(226) Near west coast of eastern Honshu

ISC	**VIII**	**13 10 30 15.5–1.1**	**37.47N–.05**	**137.21E–.05**	**15–9**		**13**	**0-2**
JMA	VIII	13 10 30 15.7–.03	37.5N–.10	137.2E–.10	12–0	3.5		**¶626296510**

ISC Event type ke.
JMA Event type fe. NOTO PENINSULA REGION .

(250) Mindoro

ISC	**VIII**	**13 15 08 31.4–.20**	**13.68N–.02**	**120.70E–.02**	**132–1**	**5.7b**	**2193**	**0-177**
BJI	VIII	13 15 08 25.5	13.41N	121.05E	118	5.9b,5.9b		**¶620986257**
GFZ	VIII	13 15 08 30.9–.16	14N–1.0	121E–2.0	124–1	6.1b,5.8b		
NEIC	VIII	13 15 08 30	13.65N	120.75E	111	6.1b,5.8b		
MOS	VIII	13 15 08 30.8–.91	13.72N	120.78E	140	5.8b,4.9s		
NEIC	VIII	13 15 08 30.6	13.75N	120.74E	112	5.8b,4.9s		
MAN	VIII	13 15 08 31.2	13.67N	120.55E	118	6.3b,6.0s		
IDC	VIII	13 15 08 31.9–.27	13.73N	120.74E	135–2	5.8,5.4b		
ISC-P	VIII	13 15 08 31	13.70N	120.78E	50–1	6.3,5.4b		
NEIC	VIII	13 15 08 31.2–2.2	13.70N–.08	120.78E–.10	121–1	5.9,5.7b		
IPGP	VIII	13 15 08 32.0	13.71N	120.83E	122	5.9W,5.7b		
PTWC	VIII	13 15 08 32	13.70N	120.90E	144	5.9,5.7b		
GCMT	VIII	13 15 08 32.3–.10	13.76N–.01	120.65E–.01	129–0	5.8W,5.7b		
DJA	VIII	13 15 08 33.3–.50	14N–3.0	121E–5.0	155–10	5.8b,5.8b		
GFZ	VIII	13 15 08 34.4	13.69N	120.73E	129	5.9W,5.8b		
NEIC	VIII	13 15 08 42	13.75N	120.84E	110	5.9,5.8b		

ISC Event type se.
GFZ Error ellipse: s-maj=3.7km s-min=2.8km az=84.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
MOS Error ellipse: s-maj=5.8km s-min=3.3km az=114.7.
NEIC Event type se.
MAN Event type fe. INTENSITY IV - CITY OF LIPA CALATAGAN LEMERY AND TAAL BATANGAS; CITY OF BINAN LAGUNA; CITY OF CALAPAN BACO PUERTO GALERA ROXAS AND SAN TEODORO ORIENTAL MINDORO; PALUAN LOOC AND LUBANG OCCIDENTAL MINDORO; . INTENSITY III - CITY OF CALOOCAN; CITY OF MANDALUYONG; CITY OF MANILA; CITY OF PARANAQUE; CITY OF PASIG; CITY OF VALENZUELA; QUEZON CITY; BATANGAS CITY BATANGAS; ABRA DE ILOG AND MAMBURAO OCCIDENTAL MINDORO; OBANDO AND PLARIDEL BULACAN; TANZA CAVITE; . INTENSITY II - CITY OF MAKATI; PASAY CITY; CITY OF MALOLOS AND CITY OF MEYCAUAYAN BULACAN; PATEROS; CITY OF ANTIPOLO RIZAL; CITY OF TAGAYTAY CAVITE; AGONCILLO BAUAN SAN JOSE SAN LUIS SAN PASCUAL AND TALISAY BATANGAS; MULANAY QUEZON; . INTENSITY I - CITY OF MALABON; ALITAGTAG BATANGAS.
IDC Error ellipse: s-maj=8.7km s-min=5.0km az=71.0.
ISC-P Moment Tensor Solution. s44 Moment tensor: Scale 10^{18}Nm; M_{rr}0.84±.14 $M_{\theta\theta}$0.45±.18; $M_{\phi\phi}$-0.20±.12; $M_{r\theta}$-0.16±.15; $M_{\theta\phi}$-0.03±.20; $M_{\phi r}$0.02±.10; NP1:ϕ_s197.40000°,δ49.60000° ,λ116.90000°. NP2:ϕ_s339.30000°,δ47.20000°,λ62.00000°. M_o3.89000×10^{18}
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.9km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}9.56 $M_{\theta\theta}$-2.34 $M_{\phi\phi}$-7.22 $M_{r\theta}$2.01 $M_{\theta\phi}$3.18 $M_{\phi r}$2.06 NP1:ϕ_s347.52000°,δ49.68000°,λ108.08000°. NP2:ϕ_s140.74000°,δ43.55000° ,λ69.91000°. Principal axes: T 10.2771,Plg76.0000°,Azm322.0000°; N -1.4368,Plg14.0000° ,Azm156.0000°; P -8.8404,Plg3.0000°,Azm65.0000° M_o9.64000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s140.00000°,δ43.00000°,λ72.00000°. NP2:ϕ_s343.00000° ,δ50.00000°,λ106.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108131508A. Moment Tensor Solution. s163,c343; s166,c383;Duration: 2s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.78±.01 $M_{\theta\theta}$-0.30±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$0.14±.01; $M_{\phi\theta}$0.28±.01; $M_{\phi r}$0.13±.01; Best double couple: NP1:ϕ_s133.00000°,δ45.00000°,λ73.00000°. NP2:ϕ_s335.00000°,δ47.00000°,λ106.00000°. Principal axes: T 0.8220,Plg78.0000°,Azm319.0000°; N -0.1390,Plg12.0000°,Azm144.0000° ; P -0.6820,Plg1.0000°,Azm54.0000° M_o0.75200×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.70 $M_{\theta\theta}$-2.45 $M_{\phi\phi}$-5.24 $M_{r\theta}$0.37 $M_{\theta\phi}$2.82 $M_{\phi r}$2.81 NP1: ϕ_s138.00802°,δ37.60509°,λ72.41559°. NP2:ϕ_s339.81098°,δ54.42966°,λ103.09955°. Principal axes: T 8.3622,Plg76.2931°,Azm292.3688°; N -1.0385,Plg10.6234°,Azm152.1022° ; P -7.3237,Plg8.5614°,Azm60.4841° M_o7.89436×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}8.16 $M_{\theta\theta}$-3.08 $M_{\phi\phi}$-5.08 $M_{r\theta}$-0.00 $M_{\theta\phi}$2.58 $M_{\phi r}$1.46 NP1:ϕ_s141.01000°,δ40.62000° ,λ82.63000°. NP2:ϕ_s330.68000°,δ49.79000°,λ96.28000°. Principal axes: T 8.3232,Plg83.0000°,Azm283.0000°; N -1.3804,Plg5.0000°,Azm147.0000° ; P -6.9428,Plg5.0000°,Azm56.0000° M_o7.73000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**14 08 33 00.9–2.2**	**36.99N–.06**	**141.38E–.09**	**11–13**	**3.4b**	**16**	**0-61**
NIED	VIII	14 08 33 00.4	36.94N	141.40E	11	3.7W		**¶621024192**
JMA	VIII	14 08 33 00.4–.04	36.9N–.20	141.4E–.30	11–0	4.0,4.0		
IDC	VIII	14 08 33 08.7–5.1	38.62N	136.82E	134–39	3.3,2.9b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.58 $M_{\theta\theta}$-2.72 $M_{\phi\phi}$3.31 $M_{r\theta}$-0.87 $M_{\theta\phi}$-0.21 $M_{\phi r}$1.80 NP1:ϕ_s45.00000°,δ58.00000°,λ0.00000°. NP2:ϕ_s135.00000° ,δ90.00000°,λ-148.00000°. M_o3.56000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=72.2km s-min=24.5km az=109.0.

(259) Mindanao

ISC	**VIII**	**14 10 30 40.1–.33**	**9.91N–.03**	**126.07E–.04**	**52–2**	**4.8b,4.4s**	**437**	**0-171**
BJI	VIII	14 10 30 36.9	9.53N	126.00E	65	5.2b,5.0b		**¶620986699**
GFZ	VIII	14 10 30 39.6–.18	10N–2.0	126E–4.0	45	5.0b,5.0		
NEIC	VIII	14 10 30 42.0–.84	9.84N–.07	125.9E–.10	68–7	4.9b,5.0		
DJA	VIII	14 10 30 41.9–.90	10N–5.0	126E–5.0	74–7	5.5,5.4b		
MAN	VIII	14 10 30 41.2	9.86N	126.04E	28	5.6b,5.0s		
IDC	VIII	14 10 30 42.0–2.0	9.85N	125.87E	71–18	4.7,4.4b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.6km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - BURGOS GENERAL LUNA SOCORRO DEL CARMEN AND SANTA MONICA SURIGAO DEL NORTE; . INTENSITY II - CITY OF SURIGAO AND DAPA SURIGAO DEL NORTE; LIBJO DINAGAT ISLANDS; . INTENSITY I - CITY OF BAYUGAN AGUSAN DEL SUR.
IDC Error ellipse: s-maj=19.0km s-min=8.5km az=77.0.

(226) Near west coast of eastern Honshu

ISC	**VIII**	**14 13 38 06.5–1.3**	**37.50N–.04**	**137.15E–.06**	**9–10**	**3.8b**	**19**	**0-67**
IDC	VIII	14 13 38 04.9–.85	37.46N	137.08E	0	3.6b,3.6		**¶621013499**
JMA	VIII	14 13 38 07.0–.04	37.5N–.10	137.2E–.20	14–0	4.2,4.0		

ISC Event type ke.
JMA Event type fe. NOTO PENINSULA REGION .

(248) Philippine Islands region

ISC	**VIII**	**14 16 39 53.8–1.8**	**20.32N–.03**	**122.05E–.04**	**1–11**	**4.5b**	**275**	**1-89**
IDC	VIII	14 16 39 53.3–.47	20.24N	121.97E	0	4.3L,4.3b		**¶620986723**
GFZ	VIII	14 16 39 54.8–.32	20N–3.0	122E–6.0	10	4.6b,4.6		
BJI	VIII	14 16 39 54.8	20.51N	121.96E	5	4.9b,4.4s		
NEIC	VIII	14 16 39 55.0–2.1	20.36N–.07	122.08E–.08	10–1	4.6b,4.4s		
JMA	VIII	14 16 39 55.8–.89	21N–4.0	122E–2.0	24	4.8,4.4s		
MAN	VIII	14 16 39 55.6	20.29N	121.96E	11	5.6b,4.9s		

ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=10.5km az=84.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.3km az=235.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. PHILIPPINE ISL REGION .
MAN Event type fe. INTENSITY IV - BASCO IVANA SABTANG AND UYUGAN BATANES.

(367) Turkey-Georgia-Armenia border region

ISC	**VIII**	**15 19 42 02.6–.96**	**41.19N–.01**	**43.96E–.01**	**8–8**		**164**	**0-28**
MOS	VIII	15 19 42 02.1–1.4	41.22N	43.83E	6	4.1b		**¶620987281**
TIF	VIII	15 19 42 02.1	41.19N	43.94E	9–0	4.1b		
AZER	VIII	15 19 42 02.4	41.24N	44.00E	9	3.8L		
ISK	VIII	15 19 42 02.6	41.20N	43.98E	6–0	3.1L		
NSSP	VIII	15 19 42 03.0	41.18N	43.88E	10	3.3s		
AFAD	VIII	15 19 42 03.1	41.20N	43.85E	8–2	3.6W		

ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=6.4km s-min=5.0km az=97.6. Felt (III-IV) at Bavra; (III) at Zuygakhpyur, Metsavan, Pagakhpyur. Moment Tensor Solution.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

(232) Western Honshu

ISC	**VIII**	**15 20 03 13.9–.88**	**35.42N–.03**	**136.36E–.02**	**14–6**	**4.2b,3.6s**	**110**	**0-94**
IDC	VIII	15 20 03 11.3–.51	35.35N	136.41E	0	3.9L,3.9b		**¶620987282**
NIED	VIII	15 20 03 13.6	35.45N	136.33E	13	4.3W,3.9b		
NEIC	VIII	15 20 03 13.7–2.1	35.45N–.05	136.36E–.05	10–1	4.3b,3.9b		
JMA	VIII	15 20 03 13.6–.02	35.45N–.06	136.33E–.08	13–0	4.7,4.6		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.25 $M_{\theta\theta}$3.11 $M_{\phi\phi}$-3.37 $M_{r\theta}$-0.91 $M_{\theta\phi}$0.15 $M_{\phi r}$0.44 NP1:ϕ_s223.00000°,δ73.00000°,λ174.00000°. NP2:ϕ_s315.00000° ,δ84.00000°,λ17.00000°. M_o3.40000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SHIGA GIFU BORDER REGION.

(232) Western Honshu

ISC	**VIII**	**15 23 17 46.0–.91**	**35.43N–.03**	**136.32E–.03**	**17–6**	**3.7b**	**41**	**0-86**
NIED	VIII	15 23 17 45.9	35.46N	136.33E	13	4.1W		**¶621023674**
JMA	VIII	15 23 17 45.9–.02	35.46N–.06	136.33E–.08	13–0	4.6,4.4		
IDC	VIII	15 23 17 49.2–1.1	35.33N	136.35E	46–13	3.8,3.7L		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.16 $M_{\theta\theta}$1.28 $M_{\phi\phi}$-1.44 $M_{r\theta}$-0.49 $M_{\theta\phi}$0.05 $M_{\phi r}$0.19 NP1:ϕ_s222.00000°,δ70.00000°,λ170.00000°. NP2:ϕ_s316.00000° ,δ81.00000°,λ20.00000°. M_o1.47000×10^{15}
JMA Event type fe. SHIGA GIFU BORDER REGION.
IDC Error ellipse: s-maj=11.9km s-min=9.8km az=119.0.

(367) Turkey-Georgia-Armenia border region

ISC	**VIII**	**15 23 19 13.5–.83**	**41.18N–.01**	**43.92E–.01**	**13–6**	**4.4s,3.9b**	**226**	**0-91**
ISK	VIII	15 23 19 12.4	41.18N	43.91E	5–0	3.9L,3.9b		**¶620987290**
AFAD	VIII	15 23 19 12.6	41.15N	43.89E	7–3	3.4L,3.9b		
NSSP	VIII	15 23 19 12.9	41.18N	43.87E	10	3.4s,3.9b		
TIF	VIII	15 23 19 12.4	41.19N	43.92E	10–1	3.4s,3.9b		
IDC	VIII	15 23 19 13.3–.95	41.22N	44.05E	0	4.2s,3.7b		
NEIC	VIII	15 23 19 13.9–1.9	41.12N–.04	44.12E–.06	10–1	4.1b,3.7b		
MOS	VIII	15 23 19 13.0–1.2	41.16N	43.85E	6	4.2b,3.7b		
NNC	VIII	15 23 19 17.7–5.7	41.88N	44.09E	0	3.7b,3.7b		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=16.9km s-min=10.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.8km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Error ellipse: s-maj=5.0km s-min=4.1km az=105.2. Felt (III) at Tbilisi. Moment Tensor Solution.
NNC Event type se. Error ellipse: s-maj=92.9km s-min=49.7km az=118.0.

(367) Turkey-Georgia-Armenia border region

ISC	**VIII**	**16 01 44 05.5–.78**	**41.19N–.01**	**43.92E–.01**	**9–4**	**5.0b,4.0s**	**951**	**0-154**
NAO	VIII	16 01 43 23.6	36.05N	45.71E	33	3.9b,4.0s		**¶620987293**
IDC	VIII	16 01 44 03.5–.39	41.18N	43.88E	0	4.4b,4.4		
TIF	VIII	16 01 44 04.7	41.20N	43.91E	10–0	4.4b,4.4		
MOS	VIII	16 01 44 04.4	41.07N	43.89E	4–0	5.3,4.4		
NSSP	VIII	16 01 44 05.3	41.18N	43.87E	10	4.5s,4.4		
MCSM	VIII	16 01 44 05.4–.90	41N–2.0	44E–2.0	11–6	4.9b,4.8b		
NEIC	VIII	16 01 44 05.9–1.6	41.17N–.05	43.97E–.07	10–1	5.0b,4.8		
NEIC	VIII	16 01 44 05.9	41.17N	43.97E	10	5.0b,4.8		
AFAD	VIII	16 01 44 05.8	41.16N	43.82E	8–2	4.6W,4.8		
ISK	VIII	16 01 44 05.6	41.20N	44.00E	17–0	4.8L,4.8		
CFUSG	VIII	16 01 44 06.2	40.48N	43.27E	15	3.9,3.6s		
GCMT	VIII	16 01 44 07.9–.20	41.21N–.02	43.89E–.02	24–0	4.8W,3.6s		
GFZ	VIII	16 01 44 07.8	41.21N	43.97E	21	4.6W,3.6s		
GFZ	VIII	16 01 44 07.7–.36	41N–2.0	44E–4.0	10	4.5b,4.2		
NNC	VIII	16 01 44 12.4–3.6	41.48N	44.92E	0	4.8b,4.2		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=6.9km s-min=6.2km az=130.0.
MOS Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.6km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.98 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$1.30 $M_{r\theta}$-0.31 $M_{\theta\phi}$0.51 $M_{\phi r}$-0.13 NP1:ϕ_s174.25000°,δ44.46000°,λ-122.86000°. NP2:ϕ_s36.40000° ,δ53.96000°,λ-61.96000°. Principal axes: T 1.4667,Plg5.0000°,Azm107.0000° ; N -0.3602,Plg22.0000°,Azm199.0000°; P -1.1065,Plg67.0000°,Azm5.0000°

$M_0$1.32000×10^{16}
NEIC Event type se.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108160144A. Moment Tensor Solution. s27,c33; s93,c146; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.70±.14 $M_{\theta\theta}$-0.56±.08; $M_{\phi\phi}$2.26±.09; $M_{r\theta}$-0.12±.12; $M_{\theta\phi}$0.94±.04; $M_{\phi r}$0.24±.09; Best double couple: NP1:ϕ_s29.00000°,δ44.00000°,λ-73.00000°. NP2:ϕ_s186.00000°,δ49.00000°,λ-105.00000°. Principal axes: T 2.5520,Plg3.0000°,Azm287.0000°; N -0.8000,Plg12.0000°,Azm196.0000°; P -1.7480,Plg78.0000°,Azm30.0000° $M_0$2.15000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.65 $M_{\theta\theta}$0.74 $M_{\phi\phi}$-0.09 $M_{r\theta}$0.28 $M_{\theta\phi}$-0.36 $M_{\phi r}$-0.69 NP1:ϕ_s83.08369°,δ35.28165°,λ-141.35995°. NP2:ϕ_s319.95537°,δ68.85890°,λ-61.07219°. Principal axes: T 1.0462,Plg18.7959°,Azm28.7753°; N 0.0645,Plg26.8176°,Azm128.6825°; P -1.1106,Plg56.3312°,Azm268.0493° $M_0$1.07986×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=67.1km s-min=38.6km az=115.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**16 20 50 13.0–.81**	**36.20N–.06**	**140.13E–.06**	**76–7**	**3.7b**	**25**	**0-75**	
JMA	VIII	16 20 50 13.7–.09	36.2N–.30	140.2E–.40	71–0	3.3			**¶626339050**
IDC	VIII	16 20 50 13.5–1.7	36.17N	140.00E	77–15	3.7,3.3b			

ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=22.1km s-min=8.8km az=60.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**16 23 56 15.4–1.4**	**38.89N–.06**	**142.0E–.10**	**50–8**	**4.4s,4.2b**	**31**	**0-78**	
JMA	VIII	16 23 56 16.1–.08	38.9N–.20	141.9E–.30	51–0	4.0,3.9			**¶621030216**
IDC	VIII	16 23 56 24.9–2.6	38.69N	141.30E	121–19	4.3s,4.1			

ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=37.8km s-min=21.1km az=89.0.

(232) Western Honshu

ISC	**VIII**	**17 16 31 02.6–.86**	**35.04N–.03**	**133.07E–.03**	**6–5**	**4.3b,3.0s**	**66**	**0-68**	
NIED	VIII	17 16 31 02.0	35.06N	133.04E	6	4.0W,3.0s			**¶621024194**
JMA	VIII	17 16 31 02.0–.02	35.06N–.08	133.0E–.10	6–0	4.3,4.2			
IDC	VIII	17 16 31 01.4–.67	35.02N	133.07E	0	3.9,3.8b			
NEIC	VIII	17 16 31 03.8–1.8	34.97N–.04	133.06E–.07	10–1	4.5b,3.8b			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.28 $M_{\theta\theta}$1.27 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.41 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.20 NP1:ϕ_s234.00000°,δ73.00000°,λ177.00000°. NP2:ϕ_s325.00000°,δ87.00000°,λ17.00000°. $M_0$1.27000×10^{15}
JMA Event type fe. SHIMANE HIROSHIMA BORDER.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(328) East of Lake Baykal

ISC	**VIII**	**18 08 29 39.0–.98**	**56.10N–.03**	**118.74E–.02**	**4–7**	**3.5b,3.2s**	**99**	**1-80**	
IDC	VIII	18 08 29 38.9–.68	56.01N	118.83E	0	3.9L,3.7			**¶620996174**
MOS	VIII	18 08 29 39.1–1.7	56.04N	118.53E	8	4.2b,3.7			
BYKL	VIII	18 08 29 40.9–.18	56.08N	118.62E	18–10	4.2b,3.7			

ISC Event type se.
IDC Error ellipse: s-maj=12.9km s-min=11.0km az=24.0.
MOS Event type fe. Error ellipse: s-maj=10.1km s-min=8.1km az=95.1. Felt (III) at Novaya Chara. Moment Tensor Solution.
BYKL Event type se. FELT I=III MSK at Novaya Chara.

(224) Hokkaido region

ISC	**VIII**	**19 23 30 12.9–.62**	**41.45N–.03**	**142.06E–.04**	**55–5**	**4.3b,3.0s**	**229**	**1-94**	
MOS	VIII	19 23 30 12.0–.87	41.47N	142.07E	65	4.6b,3.0s			**¶620997435**
NEIC	VIII	19 23 30 13.8–1.1	41.48N–.07	142.02E–.09	57–8	4.3b,3.0s			
NIED	VIII	19 23 30 13.4	41.50N	142.05E	56	4.0W,3.0s			
JMA	VIII	19 23 30 13.4–.09	41.5N–.30	142.1E–.30	56–0	4.0,4.0			
GFZ	VIII	19 23 30 13.7–.46	41N–7.0	142E–7.0	59	4.5b,4.5			
IDC	VIII	19 23 30 14.5–1.6	41.51N	142.09E	73–12	4.2,3.9b			

ISC Event type ke.
MOS Error ellipse: s-maj=8.5km s-min=6.5km az=92.9.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=4.7km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.78 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.62 $M_{r\theta}$0.46 $M_{\theta\phi}$-0.09 $M_{\phi r}$1.03 NP1:ϕ_s186.00000°,δ16.00000°,λ75.00000°. NP2:ϕ_s22.00000°,δ74.00000°,λ94.00000°. $M_0$1.33000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
GFZ Error ellipse: s-maj=18.7km s-min=7.9km az=135.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=18.5km s-min=11.0km az=111.0.

(224) Hokkaido region

ISC	**VIII**	**20 18 58 12.8–.75**	**44.58N–.03**	**144.90E–.03**	**14–4**	**4.2b,3.7s**	**199**	**1-149**	
IDC	VIII	20 18 58 09.7–.58	44.63N	145.11E	0	4.6L,3.9b			**¶620999162**
NIED	VIII	20 18 58 12.7	44.59N	144.88E	17	4.1W,3.9b			
JMA	VIII	20 18 58 12.7–.16	44.6N–.50	144.9E–.60	17–1	4.5,4.4			
NEIC	VIII	20 18 58 12.6–1.9	44.74N–.05	144.75E–.08	10–1	4.3b,4.4			
SKHL	VIII	20 18 58 13.8–.60	44.60N	144.90E	24–4	5.3b,4.4			
MOS	VIII	20 18 58 14.0–1.4	44.58N	144.97E	39	4.4b,4.4			

ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=11.1km az=144.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.85 $M_{\theta\theta}$-1.44 $M_{\phi\phi}$-0.41 $M_{r\theta}$0.33 $M_{\theta\phi}$0.66 $M_{\phi r}$-0.28 NP1:ϕ_s293.00000°,δ39.00000°,λ85.00000°. NP2:ϕ_s119.00000°,δ52.00000°,λ94.00000°. $M_0$1.86000×10^{15}
JMA Event type fe. NE OFF HOKKAIDO .
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.6km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.1km s-min=5.8km az=96.3.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**20 20 54 16.3–.80**	**35.66N–.04**	**140.23E–.04**	**68–8**	**4.1b**	**75**	**0-82**	
NEIC	VIII	20 20 54 14.7–1.7	35.68N–.05	140.40E–.08	48–6	4.4b			**¶621024197**
IDC	VIII	20 20 54 15.3–2.3	35.57N	140.34E	59–18	3.8,3.5b			
NIED	VIII	20 20 54 17.5	35.65N	140.06E	70	3.7W,3.5b			
JMA	VIII	20 20 54 17.5–.17	35.7N–.40	140.1E–.60	70–1	3.5,3.5b			

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.65 $M_{\theta\theta}$0.13 $M_{\phi\phi}$-2.78 $M_{r\theta}$1.04 $M_{\theta\phi}$0.08 $M_{\phi r}$2.23 NP1:ϕ_s163.00000°,δ27.00000°,λ60.00000°. NP2:ϕ_s15.00000°,δ67.00000°,λ104.00000°. $M_0$3.66000×10^{14}
JMA Event type fe. CENTRAL CHIBA PREF .

(227) Eastern Honshu

JMA	**VIII**	**21 00 43 04.4–.03**	**36.6N–.10**	**139.4E–.20**	**8–0**	**2.7**			**¶626301554**

JMA Event type fe. TOCHIGI GUNMA BORDER .

(224) Hokkaido region

ISC	**VIII**	**21 05 34 52.1–1.3**	**44.62N–.03**	**144.90E–.03**	**7–9**	**4.1b,3.3s**	**116**	**1-83**	
NIED	VIII	21 05 34 52.0	44.62N	144.90E	16	4.1W,3.3s			**¶626301675**
SKHL	VIII	21 05 34 52.8–.20	44.50N	144.80E	27–2	5.2b,3.3s			
IDC	VIII	21 05 34 52.5–.66	44.97N	144.71E	0	3.9b,3.9			
JMA	VIII	21 05 34 52.0–.14	44.6N–.50	144.9E–.50	16–1	4.2,4.2			
MOS	VIII	21 05 34 55.1–1.3	44.46N	145.06E	61	4.3b,4.2			
NEIC	VIII	21 05 34 55.4–.99	44.72N–.07	144.8E–.10	23–7	4.4b,4.2			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.16 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$-0.03 $M_{r\theta}$0.97 $M_{\theta\phi}$-0.22 $M_{\phi r}$-0.05 NP1:ϕ_s251.00000°,δ26.00000°,λ74.00000°. NP2:ϕ_s88.00000°,δ65.00000°,λ98.00000°. $M_0$1.52000×10^{15}
JMA Event type fe. NE OFF HOKKAIDO .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(226) Near west coast of eastern Honshu

ISC	**VIII**	**21 07 40 11.7–1.0**	**37.54N–.04**	**137.22E–.04**	**11–7**	**3.6b**	**21**	**0-80**	
IDC	VIII	21 07 40 09.7–.95	37.55N	137.22E	0	3.6b,3.6			**¶621024198**
JMA	VIII	21 07 40 12.0–.05	37.5N–.10	137.2E–.20	13–0	3.7,3.6			
NIED	VIII	21 07 40 12.0	37.52N	137.24E	13	3.6W,3.6			

ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=14.8km az=55.0.
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.78 $M_{\theta\theta}$-1.52 $M_{\phi\phi}$-1.26 $M_{r\theta}$-0.29 $M_{\theta\phi}$-1.54 $M_{\phi r}$-0.63 NP1:ϕ_s53.00000°,δ39.00000°,λ99.00000°. NP2:ϕ_s222.00000°,δ52.00000°,λ83.00000°. $M_0$2.94000×10^{14}

(224) Hokkaido region

ISC	**VIII**	**21 16 01 24.2–.73**	**41.99N–.04**	**142.56E–.04**	**65–6**	**4.0b**	**67**	**0-70**	
NEIC	VIII	21 16 01 24.4–.77	41.96N–.09	142.7E–.10	73–8	4.2b			**¶621043004**
JMA	VIII	21 16 01 24.4–.18	42.0N–.50	142.6E–.80	64–1	3.9,3.6			
IDC	VIII	21 16 01 25.2–2.5	42.14N	142.61E	69–15	3.8,3.5b			

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.0km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. S OFF URAKAWA .
IDC Error ellipse: s-maj=31.2km s-min=13.5km az=118.0.

(226) Near west coast of eastern Honshu

JMA	**VIII**	**21 21 14 37.9–.06**	**37.9N–.20**	**138.2E–.40**	**16–0**	**4.0,3.7**			
NIED	VIII	21 21 14 37.9	37.92N	138.17E	16	3.5W,3.7			**¶621024200**

JMA Event type fe. SADOGASHIMA IS REG .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.42 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.48 $M_{r\theta}$-1.29 $M_{\theta\phi}$-0.85 $M_{\phi r}$-0.52 NP1:ϕ_s358.00000°,δ35.00000°,λ43.00000°. NP2:ϕ_s230.00000°,δ66.00000°,λ117.00000°. $M_0$2.18000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**VIII**	**22 02 24 34.9–.25**	**37.61N–.03**	**141.74E–.04**	**57–1**	**5.3b,5.2s**	**1302**	**1-160**	
MOS	VIII	22 02 24 32.1–.81	37.65N	141.73E	44	5.5b,5.2s			**¶620999431**
BJI	VIII	22 02 24 32.6	37.63N	141.55E	50	5.6b,5.2s			
IDC	VIII	22 02 24 35.7–.32	37.62N	141.60E	62–2	5.1,4.8b			
JMA	VIII	22 02 24 35.4–.05	37.6N–.10	141.6E–.20	60–0	5.6,5.1			
NEIC	VIII	22 02 24 35.2–2.2	37.58N–.06	141.78E–.09	57–4	5.3b,5.1			
GFZ	VIII	22 02 24 35.1–.26	38N–2.0	142E–2.0	54–2	5.5,5.2b			
BGR	VIII	22 02 24 36.3	37.66N	141.94E	68–1	5.1b,5.2b			

ISC Event type ke.
MOS Error ellipse: s-maj=6.0km s-min=3.6km az=106.8.
IDC Error ellipse: s-maj=8.2km s-min=7.9km az=88.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.5km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=5.2km s-min=3.6km az=114.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**22 19 16 57.2–.55**	**40.15N–.03**	**141.41E–.05**	**95–5**	**4.3b**	**178**	**0-145**	
MOS	VIII	22 19 16 56.0–.93	40.13N	141.42E	98	4.4b			**¶620999698**
IDC	VIII	22 19 16 56.4–1.2	40.14N	141.32E	88–11	4.2,3.9b			
NIED	VIII	22 19 16 58.0	40.14N	141.42E	95	4.1W,3.9b			
JMA	VIII	22 19 16 58.0–.08	40.1N–.20	141.4E–.40	95–0	4.0,4.0			
NEIC	VIII	22 19 16 58.6–1.8	40.19N–.06	141.33E–.09	98–6	4.4b,4.0			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.02 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-0.73 $M_{r\theta}$0.28 $M_{\theta\phi}$-0.72 $M_{\phi r}$-0.96 NP1:ϕ_s62.00000°,δ37.00000°,λ138.00000°. NP2:ϕ_s187.00000°,δ66.00000°,λ61.00000°. $M_0$1.53000×10^{15}
JMA Event type fe. NORTHERN IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(333) Tuva-Buryatia-Mongolia border region

ISC	**VIII**	**22 20 36 56.3–.64**	**51.62N–.03**	**100.18E–.02**	**5–4**	**4.4b,3.8s**	**319**	**1-85**	
ASGSR	VIII	22 20 36 48.1–.23	52N–2.0	100E–1.0	9	5.6,3.8s			**¶620999699**
MOS	VIII	22 20 36 54.6–.86	51.52N	100.29E	6	4.6b,4.0s			
BJI	VIII	22 20 36 54.9	51.55N	100.31E	10	4.6s,4.6b			
IDC	VIII	22 20 36 54.9–.46	51.47N	100.29E	0	3.9b,3.9			
BYKL	VIII	22 20 36 55.2–.24	51.55N	100.30E		3.9b,3.9			
NEIC	VIII	22 20 36 56.7–1.4	51.38N–.09	100.30E–.09	10–1	4.5b,3.9			
GFZ	VIII	22 20 36 57.8–.24	52N–5.0	100E–3.0	10	4.4,4.3b			

ISC Event type se.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Event type fe. Felt (IV) at Mondy,(III-IV) at Angarsk, Shumak, (III) at Orlik, Belorechenskiy, Usol'ye-Sibirskoye, Sosnovka, Shelekhov, Irkutsk,(II-III) at Cheremkhovo, (II) at Chistye Klyuchi. Moment Tensor Solution.
BYKL Event type se. FELT I=IV MSK at Mondy; III-IV at Angarsk, Shumak , Mamony; III at Oplik, Sosnovka, Belorechenskiy, Usol'ye-Sibirskoye, Shelekhov, Irkutsk; II-III at Cheremkhovo; II at Chistyye Klyuchi.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**23 01 43 17.6–1.8**	**38.98N–.07**	**142.4E–.10**	**58–13**	**3.9b**	**21**	**1-59**	
IDC	VIII	23 01 43 09.6–1.2	39.17N	142.73E	0	3.8b,3.7			**¶621049186**
JMA	VIII	23 01 43 19.4–.07	39.0N–.20	142.2E–.20	57–0	3.9,3.7			

ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .

(212) Bonin Islands region

ISC	**VIII**	**23 08 31 30.0–.37**	**27.86N–.05**	**139.87E–.06**	**478**	**4.2b**	**303**	**2-152**	
IDC	VIII	23 08 31 31.0–1.1	27.88N	139.82E	495–12	4.5,3.6b			**¶620999734**
NIED	VIII	23 08 31 30.6	27.95N	140.05E	496	4.3W,3.6b			
JMA	VIII	23 08 31 30.6–.17	28N–2.0	140E–3.0	496	4.5,3.6b			
NEIC	VIII	23 08 31 31.4–.91	27.85N–.08	139.8E–.10	492–6	4.2b,3.6b			
GFZ	VIII	23 08 31 31.1–.39	28N–4.0	140E–4.0	491–4	4.3b,4.3			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.61 $M_{\theta\theta}$2.32 $M_{\phi\phi}$-1.71 $M_{r\theta}$0.73 $M_{\theta\phi}$-1.51 $M_{\phi r}$-1.48 NP1:ϕ_s65.00000°,δ55.00000°,λ-171.00000°. NP2:ϕ_s330.00000°,δ82.00000°,λ-35.00000°. $M_0$3.04000×10^{15}
JMA Event type fe. W OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(232) Western Honshu

JMA	**VIII**	**23 12 11 39.8–.04**	**35.6N–.20**	**134.6E–.10**	**7–0**	**3.5**			
NIED	VIII	23 12 11 39.8	35.64N	134.57E	7	3.6W			**¶626303327**

JMA Event type fe. NORTHERN HYOGO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.21 $M_{\theta\theta}$1.81 $M_{\phi\phi}$-2.02 $M_{r\theta}$0.15 $M_{\theta\phi}$-1.61 $M_{\phi r}$1.46 NP1:ϕ_s248.00000°,δ66.00000°,λ-171.00000°. NP2:ϕ_s154.00000°,δ82.00000°,λ-24.00000°. $M_0$2.83000×10^{14}

(227) Eastern Honshu

ISC	**VIII**	**23 20 20 11.7–.89**	**36.11N–.06**	**139.91E–.06**	**58–7**	**3.6b**	**25**	**0-75**	
IDC	VIII	23 20 20 10.9–1.9	36.09N	140.02E	52–17	3.7,3.4b			**¶621024204**
NIED	VIII	23 20 20 12.6	36.15N	139.86E	50	3.6W,3.4b			
JMA	VIII	23 20 20 12.6–.07	36.2N–.20	139.9E–.20	50–0	3.5,3.4b			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.48 $M_{\theta\theta}$1.32 $M_{\phi\phi}$-0.85 $M_{r\theta}$2.05 $M_{\theta\phi}$-0.48 $M_{\phi r}$2.30 NP1:ϕ_s133.00000°,δ21.00000°,λ-7.00000°. NP2:ϕ_s229.00000°,δ88.00000°,λ-111.00000°. $M_0$3.28000×10^{14}
JMA Event type fe. SW IBARAKI PREF .

(221) Kuril Islands

ISC	**VIII**	**24 03 50 41.0–.51**	**44.47N–.04**	**147.68E–.04**	**112–4**	**4.5b**	**674**	**1-153**	
MOS	VIII	24 03 50 39.9–.98	44.48N	147.70E	115	4.7b			**¶621001081**
BJI	VIII	24 03 50 39.9	44.41N	147.57E	112	4.8b,4.7b			
IDC	VIII	24 03 50 40.4–1.7	44.61N	147.61E	103–14	4.5,4.2b			
NEIC	VIII	24 03 50 40.7–1.4	44.55N–.07	147.70E–.07	102–5	4.5b,4.2b			
GFZ	VIII	24 03 50 41.5–.50	45N–4.0	148E–3.0	111–4	4.8,4.7b			
SKHL	VIII	24 03 50 41.9–.30	44.50N	147.70E	117–6	6.5,5.6b			
BGR	VIII	24 03 50 42.9	45.81N	145.21E	33	5.0b,5.6b			
JMA	VIII	24 03 50 42.2–.28	44N–1.0	148E–2.0	125–4	4.8,5.6b			
NIED	VIII	24 03 50 42.2	44.25N	147.62E	125	4.3W,5.6b			

ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=6.9km s-min=5.3km az=101.4. Felt (II-III) at Yuzhno-Kuril'sk, (II) at Reydovo. Moment Tensor Solution.
IDC Error ellipse: s-maj=12.4km s-min=9.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.2km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.3km s-min=6.7km az=158.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
JMA Event type fe. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.64 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-2.40 $M_{r\theta}$1.40 $M_{\theta\phi}$-0.05 $M_{\phi r}$1.13 NP1:ϕ_s166.00000°,δ35.00000°,λ57.00000°. NP2:ϕ_s24.00000° ,δ61.00000°,λ111.00000°. $M_0$3.04000×10^{15}

(221) Kuril Islands

ISC	VIII	24 05 37 52.0–.20	48.75N–.03	154.98E–.02	43–1	5.7b,5.7s	3254 2-159
BJI	VIII	24 05 37 46.6	48.93N	155.33E	33	5.9s,5.9b	¶621001087
KRSC	VIII	24 05 37 49.9–1.8	48.61N	155.31E	77–31	6.2L,5.7	
PTWC	VIII	24 05 37 50	48.40N	155.40E		6.2,5.7	
NEIC	VIII	24 05 37 51.2	48.82N	154.96E	31	6.2,5.7	
NEIC	VIII	24 05 37 51.9–.89	48.87N–.08	154.9E–.10	35–1	6.1,5.7b	
ISC-P	VIII	24 05 37 51	48.87N	154.91E	24–0	6.4,5.7b	
NEIC	VIII	24 05 37 52	48.81N	154.94E	38	6.4,5.7b	
IPGP	VIII	24 05 37 52.0	48.82N	154.96E	32	6.1W,5.7b	
MOS	VIII	24 05 37 52.9–.93	48.84N	154.96E	68	5.8s,5.8b	
GFZ	VIII	24 05 37 52.5–.17	49N–1.0	155E–2.0	45–1	6.2b,5.9	
GFZ	VIII	24 05 37 52.5	48.75N	154.94E	40	6.0W,5.9	
SKHL	VIII	24 05 37 52.0–.80	48.60N	155.50E	73–6	6.4b,6.0s	
GCMT	VIII	24 05 37 55.0–.10	48.64N	155.27E	43–0	6.0W,6.0s	
IDC	VIII	24 05 37 55.4–1.8	48.85N	154.88E	70–15	5.6s,5.2	
NEIC	VIII	24 05 37 58.4	48.52N	155.56E	46	6.0,5.2	
BGR	VIII	24 05 38 04.8	49.98N	153.85E	57–0	6.3,5.9b	

ISC Event type ke.
KRSC Event type se. Felt [II-III] at Severo-Kurilsk; Felt at Petropavlovsk.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.9km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.73 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-1.04 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.47 NP1:ϕ_s37.55000°,δ56.32000°,λ92.49000°. NP2:ϕ_s213.06000°,δ33.76000° ,λ86.27000°. Principal axes: T 1.8623,Plg79.0000°,Azm316.0000°; N -0.3759,Plg2.0000° ,Azm216.0000°; P -1.4864,Plg11.0000°,Azm126.0000° $M_0$1.71000×10^{18}
ISC-P Moment Tensor Solution. s51 Moment tensor: Scale 10^{18}Nm; M_{rr}0.51±.17 $M_{\theta\theta}$-0.46±.21; $M_{\phi\phi}$-0.05±.20; $M_{r\theta}$0.25±.15; $M_{\theta\phi}$0.36±.17; $M_{\phi r}$-0.26±.23; NP1:ϕ_s263.20000°,δ30.40000° ,λ123.60000°. NP2:ϕ_s45.60000°,δ65.10000°,λ72.00000°. $M_0$4.47000×10^{18}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s227.00000°,δ34.00000°,λ92.00000°. NP2:ϕ_s45.00000° ,δ56.00000°,λ89.00000°.
MOS Error ellipse: s-maj=5.1km s-min=2.7km az=78.2.
GFZ Error ellipse: s-maj=3.7km s-min=2.2km az=116.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-0.73 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.52 NP1: ϕ_s211.59303°,δ29.38365°,λ89.34918°. NP2:ϕ_s32.33993°,δ60.61843°,λ90.36646°. Principal axes: T 1.1634,Plg74.3789°,Azm303.3023°; N 0.0365,Plg0.3193°,Azm212.1601° ; P -1.1999,Plg15.6177°,Azm122.0709° $M_0$1.18206×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108240537A. Moment Tensor Solution. s161,c385; s168,c606;Duration: 2π5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.28±.01 $M_{\theta\theta}$-0.30±.01; $M_{\phi\phi}$-0.98±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$-0.62±.01; $M_{\phi r}$0.41±.01; Best double couple: NP1:ϕ_s210.00000°,δ35.00000°,λ89.00000°. NP2:ϕ_s31.00000°,δ55.00000°,λ90.00000°. Principal axes: T 1.3670,Plg80.0000°,Azm302.0000°; N 0.0730,Plg0.0000°,Azm211.0000° ; P -1.4380,Plg10.0000°,Azm121.0000° $M_0$1.40300×10^{18}
IDC Error ellipse: s-maj=11.1km s-min=8.1km az=138.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4π5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-0.83 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.41 $M_{\phi r}$0.27 NP1:ϕ_s206.22000°,δ36.82000° ,λ89.88000°. NP2:ϕ_s26.37000°,δ53.18000°,λ90.09000°. Principal axes: T 1.0894,Plg82.0000°,Azm297.0000°; N -0.0090,Plg0.0000°,Azm206.0000° ; P -1.0805,Plg8.0000°,Azm116.0000° $M_0$1.09000×10^{18}
BGR Event type ke.

(238) Ryukyu Islands

ISC	VIII	24 19 38 03.8–.50	27.42N–.02	129.40E–.03	14–2	5.0b,4.3s	778 1-117
BJI	VIII	24 19 37 58.9	27.07N	129.59E	10	4.9b,4.7s	¶621002267
MOS	VIII	24 19 38 02.7–1.1	27.46N	129.26E	12	5.1b,5.0s	
IDC	VIII	24 19 38 02.3–.43	27.46N	129.33E	0	4.7b,4.6	
NEIC	VIII	24 19 38 03.4–1.2	27.43N–.05	129.42E–.05	10–1	5.1b,4.6	
GFZ	VIII	24 19 38 05.7–.23	27N–3.0	129E–3.0	10	5.0b,4.6	
JMA	VIII	24 19 38 07.2–.17	27.5N–.70	129.3E–.90	31–2	4.9,4.6	
NIED	VIII	24 19 38 07.2	27.46N	129.32E	31	4.8W,4.6	
GCMT	VIII	24 19 38 09.4–.30	27.34N–.02	129.40E–.03	28–0	4.9W,4.6	

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.12 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.00 $M_{r\theta}$0.64 $M_{\theta\phi}$-1.14 $M_{\phi r}$0.51 NP1:ϕ_s194.00000°,δ34.00000°,λ59.00000°. NP2:ϕ_s50.00000° ,δ61.00000°,λ109.00000°. $M_0$1.69000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108241938A. Moment Tensor Solution. s45,c62; s77,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.15±.11 $M_{\theta\theta}$-0.57±.07; $M_{\phi\phi}$-1.58±.08; $M_{r\theta}$1.32±.13; $M_{\theta\phi}$-1.15±.05; $M_{\phi r}$1.42±.12; Best double couple: NP1:ϕ_s206.00000°,δ25.00000° ,λ77.00000°. NP2:ϕ_s40.00000°,δ66.00000°,λ96.00000°. Principal axes: T 2.8890,Plg69.0000°,Azm321.0000°; N 0.1470,Plg5.0000°,Azm217.0000° ; P -3.0400,Plg20.0000°,Azm125.0000° $M_0$2.96500×10^{16}

(227) Eastern Honshu

ISC	VIII	25 05 12 06.1–1.3	39.76N–.04	141.86E–.08	61–8	3.7b	27 0-60
JMA	VIII	25 05 12 06.6–.08	39.8N–.20	141.8E–.40	58–0	3.4	¶621058902
IDC	VIII	25 05 12 08.6–18	40.03N	141.66E	63–126	3.6,3.4b	

ISC Event type ke.
JMA Event type fe. NORTHERN IWATE PREF .
IDC Error ellipse: s-maj=219.3km s-min=29.4km az=66.0.

(228) Near east coast of eastern Honshu

ISC	VIII	25 07 14 02.7–.82	36.10N–.04	140.12E–.05	55–7	4.2b	67 0-92
IDC	VIII	25 07 14 02.2–1.8	36.06N	140.20E	51–18	4.0,3.8L	¶621003224
NEIC	VIII	25 07 14 02.5–1.9	36.11N–.06	140.17E–.03	45–9	4.3b,3.8L	
NIED	VIII	25 07 14 03.1	36.17N	140.03E	54	3.9W,3.8L	
JMA	VIII	25 07 14 03.1–.06	36.2N–.20	140.0E–.20	54–0	3.9,3.8L	

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.93 $M_{\theta\theta}$-4.13 $M_{\phi\phi}$7.06 $M_{r\theta}$-3.02 $M_{\theta\phi}$3.66 $M_{\phi r}$0.57 NP1:ϕ_s157.00000°,δ65.00000°,λ-155.00000°. NP2:ϕ_s56.00000° ,δ68.00000°,λ-27.00000°. $M_0$7.75000×10^{14}
JMA Event type fe. SW IBARAKI PREF .

(259) Mindanao

ISC	VIII	25 12 03 11.5–1.2	7.19N–.02	122.87E–.03	4–7	4.8b,3.9s	402 1-145
IDC	VIII	25 12 03 10.1–.44	7.10N	122.91E	0	4.5L,4.5b	¶621007296
MAN	VIII	25 12 03 12.3	7.22N	122.84E	18	5.7b,5.0s	
NEIC	VIII	25 12 03 12.7–1.8	7.12N–.07	122.90E–.06	10–1	4.8b,5.0s	
GFZ	VIII	25 12 03 14.6–.19	7N–2.0	123E–3.0	10	4.9b,4.8	
GCMT	VIII	25 12 03 15.1–.20	7.22N–.01	122.84E–.01	21–1	4.9W,4.8	
BJI	VIII	25 12 03 15.1	7.25N	123.16E	27	5.0b,4.7b	
DJA	VIII	25 12 03 19.0–.50	7N–4.0	123E–3.0	59–6	5.7b,5.3	

ISC Event type se.
MAN Event type fe. INTENSITY V - MABUHAY AND OLUTANGA ZAMBOANGA SIBUGAY ; . INTENSITY IV - MARGOSATUBIG ZAMBOANGA DEL SUR; CITY OF ZAMBOANGA; DIPLAHAN AND IPIL ZAMBOANGA SIBUGAY; CITY OF ISABELA BASILAN; . INTENSITY III - BACUNGAN GUTALAC LILOY SALUG SIAYAN SINDANGAN SIOCON AND TAMPILISAN ZAMBOANGA DEL NORTE; CITY OF PAGADIAN ; ZAMBOANGA DEL SUR; ALICIA ZAMBOANGA SIBUGAY ; . INTENSITY II - CITY OF DIPOLOG MANUKAN AND POLANCO ZAMBOANGA DEL NORTE; MOLAVE RAMON MAGSAYSAY AND VINCENZO A. SAGUN ; ZAMBOANGA DEL SUR; TITAY ZAMBOANGA SIBUGAY ; . INTENSITY I - CITY OF DAPITAN ZAMBOANGA DEL NORTE; TAMBULIG ZAMBOANGA DEL SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108251203A. Moment Tensor Solution. s36,c43; s105,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.15±.09 $M_{\theta\theta}$-0.78±.07; $M_{\phi\phi}$0.63±.09; $M_{r\theta}$0.73±.14; $M_{\theta\phi}$2.33±.06; $M_{\phi r}$-1.99±.21; Best double couple: NP1:ϕ_s260.00000°,δ49.00000° ,λ-1.00000°. NP2:ϕ_s350.00000°,δ90.00000°,λ-139.00000°. Principal axes: T 2.9640,Plg27.0000°,Azm117.0000°; N 0.4820,Plg49.0000°,Azm350.0000° ; P -3.4450,Plg28.0000°,Azm223.0000° $M_0$3.20500×10^{16}

(238) Ryukyu Islands

ISC	VIII	25 14 43 14.8–1.3	27.29N–.03	128.91E–.04	17–9	3.7b	38 0-89
IDC	VIII	25 14 43 12.2–2.0	27.36N	128.90E	0	3.7b,3.7	¶621058944
JMA	VIII	25 14 43 17.1–.07	27.3N–.50	128.9E–.90	30–1	3.3,3.7	

ISC Event type ke.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

(246) Southwestern Ryukyu Islands

ISC	VIII	26 03 04 22.6–.34	25.05N–.03	123.42E–.03	133–3	4.7b	534 1-112
NEIC	VIII	26 03 04 21.6–1.4	25.09N–.06	123.42E–.06	122–4	4.8b	¶621007939
GFZ	VIII	26 03 04 22.6–.23	25N–3.0	123E–2.0	123–2	5.0b,5.0	
IDC	VIII	26 03 04 22.4–.62	25.10N	123.44E	132–4	4.7,4.2b	
GCMT	VIII	26 03 04 23.2–.50	25.14N–.03	123.55E–.03	132–4	5.0W,4.2b	
NIED	VIII	26 03 04 23.1	24.97N	123.41E	120	4.8W,4.2b	
JMA	VIII	26 03 04 23.1–.16	25N–1.0	123.4E–.40	120–2	5.1,4.8	

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108260304A. Moment Tensor Solution. s10,c10; s64,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.18 $M_{\theta\theta}$-1.74±.20; $M_{\phi\phi}$1.88±.21; $M_{r\theta}$-1.37±.12; $M_{\theta\phi}$-3.15±.22; $M_{\phi r}$-1.64±.13; Best double couple: NP1:ϕ_s108.00000° ,δ64.00000°,λ-170.00000°. NP2:ϕ_s13.00000°,δ81.00000°,λ-27.00000°. Principal axes: T 3.8590,Plg12.0000°,Azm63.0000°; N 0.6450,Plg62.0000°,Azm177.0000° ; P -4.5000,Plg25.0000°,Azm328.0000° $M_0$4.18000×10^{16}
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{16}Nm; M_{rr}0.21 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.52 $M_{r\theta}$-1.36 $M_{\theta\phi}$-0.78 $M_{\phi r}$-1.32 NP1:ϕ_s113.00000°,δ22.00000°,λ164.00000°. NP2:ϕ_s218.00000° ,δ84.00000°,λ69.00000°. $M_0$2.08000×10^{16}
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .

(228) Near east coast of eastern Honshu

ISC	VIII	26 20 46 07.2–.50	36.41N–.04	141.14E–.05	33–2	4.7b,4.6s	227 0-147
IDC	VIII	26 20 46 02.7–.52	36.46N	141.01E	0	4.6s,4.4b	¶621008300
NIED	VIII	26 20 46 07.1	36.41N	141.09E	41	4.5W,4.4b	
NEIC	VIII	26 20 46 07.7–1.6	36.45N–.05	141.12E–.09	34–4	4.8b,4.4b	
JMA	VIII	26 20 46 07.1–.10	36.4N–.20	141.1E–.30	41–1	4.6,4.5	
GFZ	VIII	26 20 46 09.5–.29	37N–5.0	141E–4.0	44	4.7b,4.7	

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.51 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-1.77 $M_{r\theta}$3.14 $M_{\theta\phi}$-2.12 $M_{\phi r}$2.84 NP1:ϕ_s222.00000°,δ21.00000°,λ85.00000°. NP2:ϕ_s47.00000° ,δ69.00000°,λ92.00000°. $M_0$5.62000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF IBARAKI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	VIII	26 20 49 06.1–.29	36.41N–.03	141.22E–.03	38–1	5.1b,4.6s	926 1-153
BJI	VIII	26 20 48 59.8	36.33N	141.48E	27	5.1b,4.9b	¶621008299
IDC	VIII	26 20 49 01.4–.39	36.47N	141.03E	0	4.7b,4.7	
MOS	VIII	26 20 49 02.7–.97	36.45N	141.18E	23	5.2b,4.7s	
NEIC	VIII	26 20 49 04.8–2.2	36.44N–.05	141.28E–.09	26–4	5.2b,5.0	
NIED	VIII	26 20 49 05.9	36.42N	141.10E	40	5.0W,5.0	
JMA	VIII	26 20 49 05.9–.09	36.4N–.20	141.1E–.30	40–1	5.1,5.1W	
BGR	VIII	26 20 49 06.9	36.71N	141.78E	44–1	5.1b,4.7s	
GFZ	VIII	26 20 49 08.3–.20	36N–3.0	141E–3.0	46–1	5.0,5.0b	
GCMT	VIII	26 20 49 10.1–.20	36.37N–.01	141.09E–.02	38–0	5.1W,5.0b	

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.39 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$-1.62 $M_{r\theta}$0.61 $M_{\theta\phi}$-2.56 $M_{\phi r}$2.48 NP1:ϕ_s249.00000°,δ33.00000°,λ136.00000°. NP2:ϕ_s18.00000° ,δ68.00000°,λ65.00000°. $M_0$4.11000×10^{16}
JMA Event type fe. E OFF IBARAKI PREF .
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108262049A. Moment Tensor Solution. s65,c87; s123,c208; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.20 $M_{\theta\theta}$-0.78±.14; $M_{\phi\phi}$-2.53±.13; $M_{r\theta}$0.90±.13; $M_{\theta\phi}$-3.77±.08; $M_{\phi r}$2.91±.12; Best double couple: NP1:ϕ_s246.00000°,δ35.00000° ,λ132.00000°. NP2:ϕ_s18.00000°,δ65.00000°,λ65.00000°. Principal axes: T 4.6140,Plg62.0000°,Azm250.0000°; N 1.7590,Plg22.0000°,Azm29.0000° ; P -6.3680,Plg17.0000°,Azm126.0000° $M_0$5.49100×10^{16}

(228) Near east coast of eastern Honshu

ISC	VIII	27 00 49 03.3–1.0	36.45N–.05	141.08E–.09	39–3	3.6b	25 0-69
IDC	VIII	27 00 48 57.8–1.1	36.52N	141.18E	0	3.7b,3.6	¶626305585
JMA	VIII	27 00 49 02.9–.09	36.4N–.20	141.1E–.30	40–1	3.7,3.6	
NIED	VIII	27 00 49 02.9	36.44N	141.09E	40	3.6W,3.6	

ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=15.1km az=93.0.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.54 $M_{\theta\theta}$-2.17 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.80 $M_{\theta\phi}$-1.03 $M_{\phi r}$1.54 NP1:ϕ_s263.00000°,δ34.00000°,λ121.00000°. NP2:ϕ_s47.00000° ,δ62.00000°,λ71.00000°. $M_0$3.11000×10^{14}

(227) Eastern Honshu

ISC	VIII	27 04 04 11.4–.62	37.40N–.05	140.27E–.05	106–5	4.3b	148 0-147
NEIC	VIII	27 04 04 11.8–2.5	37.37N–.08	140.32E–.10	104–7	4.3b	¶621008329
JMA	VIII	27 04 04 11.8–.08	37.4N–.20	140.3E–.30	105–0	3.9,3.8	
NIED	VIII	27 04 04 11.8	37.37N	140.28E	105	4.1W,3.8	
IDC	VIII	27 04 04 12.9–1.2	37.57N	140.14E	112–10	4.1,3.8b	

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.8km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. MID FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.81 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-0.82 $M_{r\theta}$-0.12 $M_{\theta\phi}$-0.18 $M_{\phi r}$-1.04 NP1:ϕ_s16.00000°,δ20.00000°,λ98.00000°. NP2:ϕ_s188.00000° ,δ71.00000°,λ87.00000°. $M_0$1.34000×10^{15}
IDC Error ellipse: s-maj=17.6km s-min=11.1km az=140.0.

(259) Mindanao

ISC	VIII	27 10 22 26.3–.20	5.68N–.02	125.26E–.03	51–1	5.8b,5.2s	1607 1-178
MAN	VIII	27 10 22 21.0	5.29N	125.28E	47	6.1b,5.7s	¶621008935
BJI	VIII	27 10 22 22.4	5.45N	125.66E	50	5.7b,5.5s	
MOS	VIII	27 10 22 24.2–1.1	5.72N	125.08E	49	5.8b,5.2s	
NEIC	VIII	27 10 22 25.2	5.69N	125.26E	29	5.8b,5.2s	
NEIC	VIII	27 10 22 25	5.70N	125.21E	29	5.8b,5.2s	
DJA	VIII	27 10 22 25.9–.40	6N–2.0	125E–1.0	32–4	6.4,6.2b	
ISC-P	VIII	27 10 22 26	5.67N	125.03E	25–0	6.0,6.2b	
IDC	VIII	27 10 22 26.9–.96	5.68N	125.05E	55–7	5.3,5.1s	
NEIC	VIII	27 10 22 26.1–.95	5.67N–.04	125.03E–.07	54–5	5.9b,5.6	

GFZ VIII 27 10 22 26.2 5.77N 125.33E 36 5.6W,5.6
GCMT VIII 27 10 22 27.6–.10 5.72N–.01 125.19E–.01 37–0 5.7W,5.6
GFZ VIII 27 10 22 27.4–.25 6N–2.0 125E–2.0 48–2 5.8b,5.7
IPGP VIII 27 10 22 27.0 5.70N 125.21E 34 5.7W,5.7
NEIC VIII 27 10 22 35.5 5.70N 125.21E 36 5.6,5.7
ISC Event type se.
MAN Event type fe. INTENSITY IV - DON MARCELINO JOSE ABAD SANTOS MALITA AND SARANGANI DAVAO OCCIDENTAL; ALABEL GLAN KIAMBA MAASIM MALAPATAN AND MALUNGON SARANGANI; POLOMOLOK SOUTH COTABATO; CITY OF GENERAL SANTOS ; . INTENSITY III - CITY OF DIGOS AND SANTA CRUZ DAVAO DEL SUR; BANGA CITY OF KORONADAL LAKE SEBU TAMPAKAN AND TUPI SOUTH COTABATO; ; BAGUMBAYAN KALAMANSIG AND LEBAK SULTAN KUDARAT ; . INTENSITY II - MATANAO DAVAO DEL SUR; CITY OF DAVAO; KABACAN CITY OF KIDAPAWAN MAKILALA AND MATALAM COTABATO; NORALA SANTO NINO SURALLAH TANTANGAN AND T"BOLI SOUTH COTABATO; ESPERANZA ISULAN PRESIDENT QUIRINO AND CITY OF TACURONG SULTAN KUDARAT ; . INTENSITY I - CITY OF ZAMBOANGA; ANTIPAS ARAKAN M"LANG MAGPET PIKIT AND PRESIDENT ROXAS COTABATO; LAMBAYONG AND SENATOR NINOY ; AQUINO SULTAN KUDARAT.
MOS Error ellipse: s-maj=7.7km s-min=3.9km az=109.0.
NEIC Event type se.
NEIC Event type se.
ISC-P Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}0.47±.09 $M_{\theta\theta}$0.74±.19; $M_{\phi\phi}$-0.27±.12; $M_{r\theta}$-0.20±.20; $M_{\theta\phi}$0.19±.13; $M_{\phi r}$0.06±.10; NP1:ϕ_s220.10000°,δ58.40000° ,λ169.00000°. NP2:ϕ_s315.90000°,δ80.60000°,λ32.10000°. M_o1.38000×10^{18}
IDC Error ellipse: s-maj=11.3km s-min=6.8km az=79.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.1km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.59 $M_{\theta\theta}$0.73 $M_{\phi\phi}$-3.31 $M_{r\theta}$0.36 $M_{\theta\phi}$-1.28 $M_{\phi r}$-0.38 NP1:ϕ_s181.58000°,δ49.38000°,λ69.49000°. NP2:ϕ_s31.46000°,δ44.69000° ,λ112.21000°. Principal axes: T 2.7212,Plg74.0000°,Azm25.0000°; N 0.9714,Plg15.0000° ,Azm195.0000°; P -3.6926,Plg2.0000°,Azm286.0000° M_o3.32000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.88 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-2.44 $M_{r\theta}$0.98 $M_{\theta\phi}$-1.22 $M_{\phi r}$-0.71 NP1: ϕ_s170.27641°,δ58.08762°,λ48.59965°. NP2:ϕ_s49.32966°,δ50.45129°,λ136.72057°. Principal axes: T 2.6955,Plg55.4904°,Azm24.6482°; N 0.2020,Plg34.1501°,Azm195.2642° ; P -2.8975,Plg4.3844°,Azm288.2454° M_o2.80194×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108271022A. Moment Tensor Solution. s131,c254; s159,c306;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.43±.05 $M_{\theta\theta}$1.55±.04; $M_{\phi\phi}$-3.98±.04; $M_{r\theta}$0.35±.05; $M_{\theta\phi}$-2.09±.03; $M_{\phi r}$-1.52±.06; Best double couple: NP1: ϕ_s53.00000°,δ47.00000°,λ145.00000°. NP2:ϕ_s169.00000°,δ65.00000°,λ49.00000°. Principal axes: T 3.2880,Plg51.0000°,Azm31.0000°; N 1.6360,Plg37.0000°,Azm189.0000° ; P -4.9250,Plg10.0000°,Azm287.0000° M_o4.10700×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s176.00000°,δ55.00000°,λ59.00000°. NP2:ϕ_s42.00000° ,δ45.00000°,λ127.00000°.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.46 $M_{\theta\theta}$0.68 $M_{\phi\phi}$-3.15 $M_{r\theta}$0.99 $M_{\theta\phi}$-0.71 $M_{\phi r}$-1.23 NP1:ϕ_s34.94000°,δ40.85000° ,λ130.31000°. NP2:ϕ_s166.66000°,δ60.08000°,λ60.77000°. Principal axes: T 3.2188,Plg63.0000°,Azm28.0000°; N 0.2482,Plg25.0000°,Azm182.0000° ; P -3.4670,Plg10.0000°,Azm277.0000° M_o3.35000×10^{17}

(447) Southern Quebec

ISC	**VIII**	**27 15 49 30.0–1.1**	**46.73N–.03**	**76.55W–.03**	**25–12**		**86**	**0-11**
NEIC	VIII	27 15 49 29.3–1.3	46.85N–.05	76.50W–.07	14–7	3.8,3.7L	**¶621009657**	
NEIC	VIII	27 15 49 29	46.83N	76.52W	16	3.3,3.7L		
OTT	VIII	27 15 49 30.4–.06	46.72N	76.55W	18	3.8,3.7L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. M_o9.44000×10^{13}
OTT Event type fe. 58km northwest from Maniwaki, Qc. Felt Western Quebec Seismic Zone. Felt in Maniwaki region, Qc.

(221) Kuril Islands

ISC	**VIII**	**28 04 06 06.4–1.9**	**43.25N–.10**	**145.95E–.08**	**42**		**12**	**0-2**
JMA	VIII	28 04 06 04.8–.16	43.2N–.40	146.1E–.90	45–1	3.4	**¶626189663**	
SKHL	VIII	28 04 06 06.2–.50	43.20N	145.90E	33–2	4.2b		

ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .

(224) Hokkaido region

ISC	**VIII**	**28 04 21 00.3–.64**	**42.73N–.03**	**142.47E–.03**	**59–6**	**3.8b,3.1s**	**91**	**0-86**
MOS	VIII	28 04 20 59.6–1.3	42.69N	142.53E	68	4.0b,3.1s	**¶621024209**	
NIED	VIII	28 04 21 00.2	42.76N	142.52E	56	4.0W,3.1s		
IDC	VIII	28 04 21 00.6–1.4	42.75N	142.59E	76–11	3.7,3.4b		
JMA	VIII	28 04 21 00.2–.16	42.8N–.50	142.5E–.60	56–1	3.7,3.4b		
SKHL	VIII	28 04 21 00.7–.50	42.70N	142.30E	60–5	5.0b,3.4b		

ISC Event type ke.
MOS Error ellipse: s-maj=10.8km s-min=7.3km az=74.8.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.06 $M_{\theta\theta}$6.29 $M_{\phi\phi}$-2.23 $M_{r\theta}$5.53 $M_{\theta\phi}$5.15 $M_{\phi r}$-2.36 NP1:ϕ_s28.00000°,δ44.00000°,λ-156.00000°. NP2:ϕ_s280.00000° ,δ73.00000°,λ-48.00000°. M_o9.64000×10^{14}
IDC Error ellipse: s-maj=19.6km s-min=11.2km az=116.0.
JMA Event type fe. HIDAKA MOUNTAINS REGION .

(228) Near east coast of eastern Honshu

ISC	**VIII**	**28 20 15 06.9–.88**	**36.67N–.05**	**140.11E–.07**	**129–6**	**3.6b**	**31**	**0-148**
IDC	VIII	28 20 15 03.7–1.6	36.80N	140.48E	103–13	3.6,3.3b	**¶621073131**	
JMA	VIII	28 20 15 08.7–.10	36.7N–.30	140.1E–.50	115–0	3.4,3.3b		

ISC Event type ke.
JMA Event type fe. NORTHERN TOCHIGI PREF .

(259) Mindanao

ISC	**VIII**	**29 14 53 03.3–.94**	**8.00N–.02**	**126.16E–.03**	**32–7**	**4.4b,3.7s**	**254**	**0-144**
DJA	VIII	29 14 52 57.6–1.3	9N–7.0	126E–5.0	31–19	5.5,5.4b	**¶621010000**	
MAN	VIII	29 14 53 01.6	8.01N	126.11E	20	5.5b,4.8s		
IDC	VIII	29 14 53 03.9–1.7	7.94N	126.01E	46–18	4.7L,4.2		
NEIC	VIII	29 14 53 04.6–1.4	7.95N–.07	126.23E–.02	35–2	4.6b,4.2		
GFZ	VIII	29 14 53 05.0–.72	8N–5.0	126E–5.0	47–7	4.7,4.7b		

ISC Event type se.
MAN Event type fe. INTENSITY V - SANTA JOSEFA AGUSAN DEL SUR ; . INTENSITY IV - MONKAYO DAVAO DE ORO; BUNAWAN AND ROSARIO AGUSAN DEL SUR ; . INTENSITY III - COMPOSTELA LAAK MAWAB MONTEVISTA NABUNTURAN AND NEW BATAAN DAVAO DE ORO; BOSTON DAVAO ORIENTAL ; . INTENSITY II - MABINI AND PANTUKAN DAVAO DE ORO; SAN FRANCISCO AGUSAN DEL SUR; CITY OF BISLIG SURIGAO DEL SUR ; . INTENSITY I - MACO DAVAO DE ORO.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(235) Kyushu

JMA	**VIII**	**30 02 15 20.3–.04**	**33.1N–.10**	**131.2E–.10**	**8–0**	**3.6**		
NIED	VIII	30 02 15 20.3	33.06N	131.16E	8	3.7W	**¶621024212**	

JMA Event type fe. NE KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.83 $M_{\theta\theta}$3.48 $M_{\phi\phi}$-2.65 $M_{r\theta}$-1.55 $M_{\theta\phi}$1.59 $M_{\phi r}$0.56 NP1:ϕ_s211.00000°,δ64.00000°,λ-176.00000°. NP2:ϕ_s119.00000° ,δ86.00000°,λ-27.00000°. M_o3.82000×10^{14}

(250) Mindoro

ISC	**VIII**	**30 11 28 07.3–.52**	**12.80N–.02**	**121.40E–.03**	**49–5**	**4.7b,3.9s**	**343**	**0-150**
IDC	VIII	30 11 28 00.0–.56	12.72N	121.40E	0	4.3b,4.3	**¶621011019**	
MAN	VIII	30 11 28 01.7	12.74N	121.42E	10	5.5b,4.7s		
GFZ	VIII	30 11 28 02.6–.17	13N–3.0	121E–4.0	10	4.8b,4.6		
GCMT	VIII	30 11 28 04.8–.30	12.81N–.01	121.29E–.02	22–1	4.8W,4.6		
NEIC	VIII	30 11 28 08.6–.82	12.83N–.08	121.41E–.10	64–7	4.7b,4.6		
BJI	VIII	30 11 28 11.6	13.04N	121.41E	90	4.7b,4.6b		
DJA	VIII	30 11 28 18.4–.80	13N–3.0	122E–3.0	187–9	5.2b,4.5		

ISC Event type se.
MAN Event type fe. INTENSITY IV - BANSUD AND BONGABONG ORIENTAL MINDORO; . INTENSITY III - CALINTAAN OCCIDENTAL MINDORO; CITY OF CALAPAN GLORIA MANSALAY ; PINAMALAYAN AND ROXAS ORIENTAL MINDORO; CONCEPCION; ROMBLON; . INTENSITY II - ABRA DE ILOG MAGSAYSAY RIZAL SABLAYAN SAN JOSE AND SANTA CRUZ OCCIDENTAL ; MINDORO; BACO BULALACAO NAUJAN POLA PUERTO; GALERA SAN TEODORO SOCORRO AND VICTORIA ORIENTAL MINDORO; . INTENSITY I - TINGLOY BATANGAS; MAMBURAO OCCIDENTAL MINDORO.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108301128A. Moment Tensor Solution. s18,c20; s97,c129; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.13 $M_{\theta\theta}$1.09±.08; $M_{\phi\phi}$-1.17±.11; $M_{r\theta}$-0.23±.14; $M_{\theta\phi}$-1.81±.06; $M_{\phi r}$0.60±.15; Best double couple: NP1:ϕ_s254.00000°,δ73.00000° ,λ178.00000°. NP2:ϕ_s344.00000°,δ88.00000°,λ17.00000°. Principal axes: T 2.2080,Plg13.0000°,Azm210.0000°; N 0.0400,Plg73.0000°,Azm351.0000° ; P -2.2500,Plg10.0000°,Azm118.0000° M_o2.22900×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(227) Eastern Honshu

ISC	**VIII**	**30 11 39 04.9–.87**	**36.75N–.03**	**139.20E–.04**	**14–5**		**21**	**0-60**
IDC	VIII	30 11 39 02.2–1.8	36.77N	139.29E	0	3.8L,3.6	**¶621076513**	
JMA	VIII	30 11 39 05.9–.03	36.7N–.10	139.2E–.10	8–0	3.9,3.6		

ISC Event type ke.
JMA Event type fe. NW GUNMA PREF .

(257) Negros

ISC	**VIII**	**31 05 12 31.5–1.3**	**9.70N–.02**	**122.16E–.03**	**8–8**	**4.2b**	**103**	**0-168**
IDC	VIII	31 05 12 30.0–.56	9.61N	122.14E	0	3.9b,3.9	**¶621076577**	
NEIC	VIII	31 05 12 32.4–.84	9.67N–.09	122.4E–.20	10–1	4.3b,3.9		
MAN	VIII	31 05 12 32.5	9.74N	122.13E	12	5.2b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=13.9km az=69.0.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=15.8km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - HINOBA-AN NEGROS OCCIDENTAL ; . INTENSITY III - CAUAYAN AND CITY OF SIPALAY NEGROS OCCIDENTAL; CITY OF BAYAWAN NEGROS ORIENTAL ; . INTENSITY II - ILOG NEGROS OCCIDENTAL; SANTA CATALINA NEGROS ORIENTAL ; . INTENSITY I - CITY OF BAGO NEGROS OCCIDENTAL.

(328) East of Lake Baykal

ISC	**VIII**	**31 05 24 33.2–.44**	**55.97N–.02**	**113.48E–.02**	**12–2**	**5.0b,4.6s**	**981**	**0-165**
BJI	VIII	31 05 24 30.0	56.07N	113.66E	10	5.4b,5.3s	**¶621011418**	
IDC	VIII	31 05 24 31.2–.33	55.88N	113.37E	0	4.8L,4.7b		
MOS	VIII	31 05 24 31.2–.95	55.90N	113.44E	8	5.2b,4.5s		
BYKL	VIII	31 05 24 32.6–.13	55.90N	113.39E	9–2	5.2b,4.5s		
GFZ	VIII	31 05 24 33.7–.11	56N–2.0	114E–2.0	10	5.3,5.0b		
NEIC	VIII	31 05 24 33.1–1.5	55.93N–.07	113.4E–.10	9–4	5.1,5.0b		
BGR	VIII	31 05 24 35.9	55.31N	113.17E	33	5.0b,4.5s		

ISC Event type ke.
IDC Error ellipse: s-maj=7.7km s-min=5.9km az=154.0.
MOS Event type fe. Error ellipse: s-maj=4.9km s-min=4.0km az=89.3. Felt (IV-V) at Severomuysk,(IV) at Taksimo,(III-IV) at Kumora, Bodaybo, Mamakan, Artyomovskiy,(III) at Ulyunkhan, (II-III) at Ust'-Kut. Moment Tensor Solution.
BYKL Event type se. FELT I=IV-V MSK at Severomuisk; IV at Taksimo; III-IV at Kumora, Bodaibo, Mamakan, Artemovsky; III at Uljunkhan; II-III at Ust-Kut.
GFZ Error ellipse: s-maj=4.7km s-min=4.1km az=32.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.4km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

(235) Kyushu

JMA	**VIII**	**31 09 17 51.2–.04**	**33.1N–.10**	**131.2E–.10**	**8–0**	**3.5**		
NIED	VIII	31 09 17 51.2	33.06N	131.15E	8	3.5W	**¶621024215**	

JMA Event type fe. NE KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.45 $M_{\theta\theta}$1.75 $M_{\phi\phi}$-1.30 $M_{r\theta}$-1.14 $M_{\theta\phi}$1.14 $M_{\phi r}$0.12 NP1:ϕ_s205.00000°,δ60.00000°,λ-178.00000°. NP2:ϕ_s114.00000° ,δ89.00000°,λ-30.00000°. M_o2.19000×10^{14}

(251) Samar

ISC	**VIII**	**31 15 26 56.5–.71**	**11.46N–.02**	**125.51E–.04**	**47–6**	**4.4b**	**183**	**0-148**
IDC	VIII	31 15 26 49.6–.56	11.38N	125.38E	0	4.2b,4.2	**¶621012270**	
NEIC	VIII	31 15 26 57.9–1.1	11.43N–.09	125.4E–.10	55–6	4.4b,4.2		
MAN	VIII	31 15 26 57.4	11.52N	125.45E	45	5.2b,4.3s		

ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=13.4km az=71.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=12.0km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - BALANGKAYAN CITY OF BORONGAN AND MAYDOLONG EASTERN SAMAR ; . INTENSITY II - GENERAL MACARTHUR GIPORLOS LAWAAN LLORENTE SAN JULIAN AND SULAT EASTERN SAMAR; BABATNGON LEYTE; CITY OF TACLOBAN.

(233) Near south coast of western Honshu

ISC	**VIII**	**31 17 55 12.6–.77**	**33.80N–.05**	**135.29E–.03**	**36–2**	**4.0b**	**72**	**0-81**
IDC	VIII	31 17 55 07.9–.81	33.79N	135.34E	0	4.0L,3.9b	**¶621012254**	
NIED	VIII	31 17 55 12.8	33.81N	135.36E	46	3.9W,3.9b		
NEIC	VIII	31 17 55 12.5–.94	33.82N–.07	135.30E–.05	34–7	4.0b,3.9b		
JMA	VIII	31 17 55 12.8–.06	33.8N–.20	135.4E–.20	46–0	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.09 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$0.55 $M_{r\theta}$0.71 $M_{\theta\phi}$-7.62 $M_{\phi r}$-4.33 NP1:ϕ_s91.00000°,δ61.00000°,λ176.00000°. NP2:ϕ_s183.00000° ,δ86.00000°,λ29.00000°. M_o8.79000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. CENTRAL WAKAYAMA PREF .

(233) Near south coast of western Honshu

ISC	**VIII**	**31 20 39 56.0–.74**	**34.22N–.03**	**135.34E–.03**	**10**		**22**	**0-54**
IDC	VIII	31 20 39 54.6–.89	34.14N	135.34E	0	3.5b,3.4	**¶621024216**	
NIED	VIII	31 20 39 55.0	34.22N	135.31E	6	3.4W,3.4		
JMA	VIII	31 20 39 55.0–.03	34.2N–.10	135.3E–.20	6–0	3.7,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.34 $M_{\theta\theta}$1.09 $M_{\phi\phi}$-1.43 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.31 $M_{\phi r}$-0.01 NP1:ϕ_s308.00000°,δ89.00000°,λ1.00000°. NP2:ϕ_s218.00000° ,δ89.00000°,λ179.00000°. M_o1.30000×10^{14}
JMA Event type fe. NW WAKAYAMA PREF .

(228) Near east coast of eastern Honshu

ISC	**IX**	**01 08 16 41.4–1.1**	**37.67N–.05**	**141.77E–.07**	**54–9**	**4.1b**	**88**	**1-147**
NIED	IX	01 08 16 41.7	37.69N	141.66E	53	4.1W	**¶621012719**	
NEIC	IX	01 08 16 41.8–1.4	37.69N–.07	141.85E–.09	56–6	4.3b		
JMA	IX	01 08 16 41.7–.05	37.7N–.10	141.7E–.20	53–0	4.4,4.2		
IDC	IX	01 08 16 42.2–1.7	37.69N	141.68E	61–15	4.5s,4.0		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.28 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$-0.13 $M_{r\theta}$-0.86 $M_{\theta\phi}$-0.04 $M_{\phi r}$-0.61 NP1:ϕ_s100.00000°,δ28.00000°,λ118.00000°. NP2:ϕ_s248.00000° ,δ66.00000°,λ76.00000°. M_o1.60000×10^{15}
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.7km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=14.6km s-min=12.8km az=111.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**01 11 12 05.3–1.2**	**38.93N–.05**	**141.86E–.08**	**78–7**		**31**	**0-63**
IDC	IX	01 11 12 05.7–3.4	39.06N	141.87E	90–40	3.6s,3.4	**¶621080619**	
JMA	IX	01 11 12 06.3–.08	38.9N–.20	141.7E–.30	76–0	3.4,3.4		

ISC Event type ke.
JMA Event type fe. NORTHERN MIYAGI PREF .

(228) Near east coast of eastern Honshu

ISC	**IX**	**01 19 17 06.9–.35**	**37.72N–.04**	**141.68E–.04**	**61–2**	**4.6b**	**469**	**1-146**
BGR	IX	01 19 17 03.7	37.40N	141.75E	33	4.9b	**¶621014007**	
MOS	IX	01 19 17 06.6–.94	37.93N	141.57E	60	4.9b		
NIED	IX	01 19 17 07.0	37.70N	141.62E	59	4.4W		
JMA	IX	01 19 17 07.0–.05	37.7N–.10	141.6E–.20	59–0	4.9,4.6		

NEIC IX 01 19 17 07.4–1.7 37.72N–.06 141.7E–.10 65–5 4.6b,4.6
IDC IX 01 19 17 07.5–.40 37.70N 141.58E 61–3 4.4,4.1b
GFZ IX 01 19 17 08.4–.22 38N–3.0 142E–4.0 62 4.7b,4.6
ISC Event type ke.
BGR Event type ke.
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.23 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$-3.99 $M_{r\theta}$0.27 $M_{\theta\phi}$1.56 $M_{\phi r}$0.94 NP1:ϕ_s150.00000°,δ41.00000°,λ81.00000°. NP2:ϕ_s342.00000° ,δ50.00000°,λ98.00000°. M_o5.05000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(224) Hokkaido region

ISC IX 01 23 46 07.0–.84 41.44N–.04 142.19E–.04 61–8 4.1b 98 1-79
MOS IX 01 23 46 05.7–.94 41.40N 142.29E 74 4.6b **¶621022455**
NEIC IX 01 23 46 06.7–1.3 41.44N–.09 142.16E–.09 58–8 4.2b
JMA IX 01 23 46 06.8–.08 41.5N–.30 142.2E–.40 51–0 3.7
IDC IX 01 23 46 07.6–1.9 41.46N 142.25E 70–15 3.9,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=12.3km s-min=7.5km az=76.6.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=4.3km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=21.8km s-min=12.9km az=99.0.

(224) Hokkaido region

ISC IX 02 00 28 58.3–1.0 42.74N–.09 144.61E–.05 49–8 3.6b 28 0-85
IDC IX 02 00 28 51.2–1.2 42.69N 145.02E 0 3.7b,3.7 **¶621080649**
NIED IX 02 00 28 59.6 42.84N 144.57E 47 3.7W,3.7
JMA IX 02 00 28 59.6–.09 42.8N–.40 144.6E–.30 47–0 3.5,3.7
SKHL IX 02 00 29 00.7–.30 42.80N 144.60E 46–4 4.6b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=19.6km az=143.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.81 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-2.93 $M_{r\theta}$-1.16 $M_{\theta\phi}$0.14 $M_{\phi r}$-0.73 NP1:ϕ_s345.00000°,δ41.00000°,λ70.00000°. NP2:ϕ_s191.00000° ,δ52.00000°,λ106.00000°. M_o3.58000×10^{14}
JMA Event type fe. OFF NEMURO PENINSULA .

(717) Afghanistan-Tajikistan border region

ISC IX 02 04 50 05.5–.54 37.30N–.03 70.28E–.03 16–3 4.8b,4.1s 494 3-143
BJI IX 02 04 50 03.9 37.58N 70.39E 7 4.8b,4.7b **¶621022460**
MOS IX 02 04 50 04.4–1.2 37.39N 70.24E 13 4.9b,4.1s
NEIC IX 02 04 50 06.3–1.6 37.60N–.03 70.34E–.08 10–1 5.0b,4.1s
GFZ IX 02 04 50 07.6–.23 37N–3.0 70E–3.0 10 5.0b,4.9
IDC IX 02 04 50 07.3–3.8 37.19N 70.32E 33–28 4.5L,4.5
NNC IX 02 04 50 13.6–4.3 37.65N 70.12E 123–42 5.2,4.6b
GCMT IX 02 04 50 13.0–.30 37.43N–.02 70.21E–.02 38–1 4.8W,4.6b
ISC Event type se.
MOS Event type fe. Felt (II) at Dushanbe. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109020450A. Moment Tensor Solution. s29,c33; s85,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.11 $M_{\theta\theta}$-0.96±.08; $M_{\phi\phi}$0.49±.08; $M_{r\theta}$1.18±.08; $M_{\theta\phi}$-1.72±.06; $M_{\phi r}$-0.22±.08; Best double couple: NP1:ϕ_s193.00000°,δ56.00000° ,λ9.00000°. NP2:ϕ_s98.00000°,δ83.00000°,λ145.00000°. Principal axes: T 2.1100,Plg29.0000°,Azm50.0000°; N 0.2660,Plg55.0000°,Azm267.0000° ; P -2.3760,Plg18.0000°,Azm150.0000° M_o2.24300×10^{16}

(256) Leyte

ISC IX 02 07 23 31.6–.37 11.53N–.02 124.43E–.02 26–2 4.7b,4.3s 299 1-148
MAN IX 02 07 23 27.0 11.52N 124.39E 4 5.6b,5.0s **¶621022470**
IDC IX 02 07 23 26.8–.50 11.49N 124.66E 0 4.4,4.3L
GFZ IX 02 07 23 27.8–.28 12N–3.0 125E–6.0 10 4.8b,4.6
BJI IX 02 07 23 30.4 11.53N 124.53E 27 4.9b,4.7s
GCMT IX 02 07 23 32.2–.20 11.54N–.01 124.36E–.01 20–1 5.0W,4.7s
NEIC IX 02 07 23 32.1–1.1 11.62N–.05 124.48E–.09 31–5 4.8b,4.7s
ISC Event type fe.
MAN Event type fe. INTENSITY V - ALMERIA BILIRAN CABUCGAYAN AND NAVAL BILIRAN ; . INTENSITY IV - CAIBIRAN CULABA AND KAWAYAN BILIRAN; CALUBIAN LEYTE SAN ISIDRO TABANGO AND VILLABA LEYTE; . INTENSITY III - MARIPIPI BILIRAN; CAPOOCAN CARIGARA ISABEL KANANGA AND MERIDA LEYTE; ORMOC CITY ; ; . INTENSITY II - CITY OF MASBATE MASBATE; CITY OF CEBU; ALANGALANG JARO PALO PASTRANA SANTA FE AND TUNGA LEYTE; ; CITY OF TACLOBAN.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109020723A. Moment Tensor Solution. s38,c48; s111,c177; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.04±.12 $M_{\theta\theta}$3.55±.10; $M_{\phi\phi}$-3.51±.11; $M_{r\theta}$-1.82±.23; $M_{\theta\phi}$-1.49±.08; $M_{\phi r}$-0.26±.20; Best double couple: NP1:ϕ_s328.00000° ,δ68.00000°,λ8.00000°. NP2:ϕ_s235.00000°,δ82.00000°,λ158.00000°. Principal axes: T 4.5180,Plg21.0000°,Azm190.0000°; N -0.5950,Plg67.0000°,Azm37.0000° ; P -3.9190,Plg10.0000°,Azm284.0000° M_o4.21800×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(211) Southeast of Honshu

ISC IX 02 13 51 08.4–.99 33.82N–.05 139.36E–.06 17–8 3.7b,3.0s 31 0-70
IDC IX 02 13 51 07.1–.85 33.76N 139.31E 0 3.7b,3.7 **¶621080686**
NIED IX 02 13 51 08.8 33.87N 139.35E 16 3.9W,3.7
JMA IX 02 13 51 08.8–.08 33.9N–.30 139.4E–.30 16–0 4.2,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.15 $M_{\theta\theta}$-3.89 $M_{\phi\phi}$5.04 $M_{r\theta}$1.68 $M_{\theta\phi}$-4.93 $M_{\phi r}$5.79 NP1:ϕ_s292.00000°,δ47.00000°,λ-174.00000°. NP2:ϕ_s198.00000° ,δ86.00000°,λ-43.00000°. M_o9.00000×10^{14}
JMA Event type fe. NEAR MIYAKEJIMA ISLAND .

(227) Eastern Honshu

ISC IX 02 14 55 25.0–1.0 36.34N–.05 139.95E–.06 82–8 23 0-56
IDC IX 02 14 55 22.3–6.1 36.51N 140.14E 67–47 3.1,2.8b **¶621080689**
JMA IX 02 14 55 25.6–.07 36.4N–.20 140.0E–.30 76–0 3.1,2.8b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .

(337) Eastern Caucasus

ISC IX 03 03 34 49.9–.64 42.18N–.01 45.96E–.01 13–4 4.7b,3.7s 791 0-132
TIF IX 03 03 34 47.6 42.19N 45.95E 11–1 4.7b,3.7s **¶621024230**
IDC IX 03 03 34 47.5–.46 42.16N 45.94E 0 4.6L,4.4b
MOS IX 03 03 34 47.3 42.15N 45.98E 11–0 5.4,4.4b
AZER IX 03 03 34 47.2 42.21N 45.82E 10 4.8L,4.4b
NOGSR IX 03 03 34 47.5 42.13N 45.98E 10–0 5.2,4.4b
DAGSR IX 03 03 34 49.6 42.26N 46.15E 3 5.2,4.4b
BJI IX 03 03 34 49.0 42.40N 46.10E 5 4.8b,4.7b
NEIC IX 03 03 34 50.1–2.0 42.28N–.05 46.03E–.09 10–1 4.8b,4.7b
GFZ IX 03 03 34 51.1–.40 42N–4.0 46E–5.0 10 4.3,4.3b
BGR IX 03 03 34 52.7 42.51N 46.57E 33 4.6b,3.5s
AFAD IX 03 03 34 53.4 41.92N 45.58E 4–4 4.3L,3.5s
NNC IX 03 03 34 53.1–1.8 42.79N 46.39E 0 4.9b,3.5s
ISK IX 03 03 34 55.4 42.17N 45.38E 5–0 4.4L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=8.8km s-min=7.5km az=167.0.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se. #FELT I=II-III MSK at Botlikh.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.0km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
AFAD Event type se. Presumed earthquake.
NNC Event type se. Error ellipse: s-maj=30.0km s-min=15.9km az=131.0.
ISK Event type ke.

(663) Sea of Okhotsk

ISC IX 03 10 14 26.2–.21 49.35N–.02 147.01E–.02 586–1 5.4b 2136 3-154
NIED IX 03 10 14 22.9 48.98N 147.64E 628 5.8W **¶621026100**
JMA IX 03 10 14 22.9–.32 49N–2.0 148E–4.0 628 5.9,5.8W
SKHL IX 03 10 14 24.9–.30 49.30N 147.30E 577–7 6.5b,6.4
BJI IX 03 10 14 24.0 49.31N 147.06E 574 5.8b,5.7b
KRSC IX 03 10 14 24.3–1.9 49.24N 147.28E 586–26 5.8L,5.7b
MOS IX 03 10 14 24.8–.78 49.35N 147.06E 589 5.3b,5.7b
GFZ IX 03 10 14 25.9–.24 49N–2.0 147E–2.0 572–3 5.4,5.4b
IPGP IX 03 10 14 26.0 49.47N 146.99E 595 5.8W,5.4b
NEIC IX 03 10 14 26.5–1.0 49.49N–.08 147.0E–.10 585–1 5.9,5.4b
NEIC IX 03 10 14 26.5 49.48N 146.96E 583 5.9,5.4b
NEIC IX 03 10 14 26.5 49.48N 146.96E 583 5.9,5.4b
IDC IX 03 10 14 27.0–.42 49.47N 147.01E 590–4 5.8,4.8b
GFZ IX 03 10 14 27.6 49.37N 147.01E 600 5.8W,4.8b
GCMT IX 03 10 14 29.0–.10 49.44N–.01 146.87E–.01 588–0 5.8W,4.8b
NEIC IX 03 10 14 30.9 49.18N 147.11E 600 5.8,4.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}4.94 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$-4.24 $M_{r\theta}$-1.64 $M_{\theta\phi}$-0.38 $M_{\phi r}$-3.56 NP1:ϕ_s359.00000°,δ26.00000°,λ73.00000°. NP2:ϕ_s197.00000° ,δ65.00000°,λ98.00000°. M_o6.03000×10^{17}
JMA Event type fe. SOUTHERN SEA OF OKHOTSK .
KRSC Event type se.
MOS Error ellipse: s-maj=5.7km s-min=4.4km az=73.5.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IPGP Moment Tensor Solution. NP1:ϕ_s39.00000°,δ31.00000°,λ125.00000°. NP2:ϕ_s180.00000° ,δ65.00000°,λ71.00000°.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=13.5km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.98 $M_{\theta\theta}$-1.37 $M_{\phi\phi}$-5.61 $M_{r\theta}$0.77 $M_{\theta\phi}$-1.72 $M_{\phi r}$-4.44 NP1:ϕ_s30.04000°,δ30.51000°,λ112.04000°. NP2:ϕ_s184.88000° ,δ61.93000°,λ77.53000°. Principal axes: T 8.5487,Plg70.0000°,Azm68.0000° ; N -1.1932,Plg11.0000°,Azm191.0000°; P -7.3555,Plg16.0000°,Azm284.0000° M_o8.02000×10^{17}
NEIC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=6.6km s-min=5.3km az=106.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.72 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$-3.59 $M_{r\theta}$0.91 $M_{\theta\phi}$-1.65 $M_{\phi r}$-2.79 NP1: ϕ_s186.79424°,δ60.38865°,λ70.93775°. NP2:ϕ_s41.76007°,δ34.74235°,λ119.88368°. Principal axes: T 5.8391,Plg68.5031°,Azm57.7293°; N -0.9213,Plg16.4956°,Azm196.4834° ; P -4.9178,Plg13.3945°,Azm290.5271° M_o5.43733×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202109031014A. Moment Tensor Solution. s143,c304; s86,c94;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.09±.05 $M_{\theta\theta}$-0.90±.08; $M_{\phi\phi}$-4.19±.08; $M_{r\theta}$0.45±.08; $M_{\theta\phi}$-1.69±.07; $M_{\phi r}$-3.23±.07; Best double couple: NP1: ϕ_s36.00000°,δ32.00000°,λ114.00000°. NP2:ϕ_s188.00000°,δ61.00000°,λ76.00000°. Principal axes: T 6.2290,Plg70.0000°,Azm67.0000°; N -0.5600,Plg12.0000°,Azm195.0000° ; P -5.6690,Plg15.0000°,Azm288.0000° M_o5.94900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.20 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-4.17 $M_{r\theta}$0.21 $M_{\theta\phi}$-1.56 $M_{\phi r}$-3.47 NP1:ϕ_s33.05000°,δ29.90000° ,λ111.13000°. NP2:ϕ_s189.02000°,δ62.29000°,λ78.29000°. Principal axes: T 6.4144,Plg70.0000°,Azm74.0000°; N -0.6636,Plg10.0000°,Azm195.0000° ; P -5.7509,Plg17.0000°,Azm288.0000° M_o6.11000×10^{17}

(249) Luzon

ISC IX 03 21 23 21.1–.86 13.10N–.03 124.18E–.04 44–9 4.5b,3.4s 160 1-96
MAN IX 03 21 23 17.9 13.19N 124.23E 20 5.4b,4.6s **¶621081591**
NEIC IX 03 21 23 22.6–1.7 12.92N–.07 124.1E–.10 56–7 4.6b,4.6s
IDC IX 03 21 23 25.0–2.8 12.94N 124.09E 81–26 4.1,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - RAPU-RAPU ALBAY; BARCELONA BULUSAN JUBAN PRIETO DIAZ AND CITY OF SORSOGON SORSOGON ; . INTENSITY III - CITY OF LEGAZPI ALBAY; MAGALLANES SORSOGON ; . INTENSITY II - SANTO DOMINGO ALBAY; BULAN AND IROSIN SORSOGON ; . INTENSITY I - DARAGA ALBAY.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.4km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.6km s-min=11.6km az=71.0.

(224) Hokkaido region

ISC IX 05 05 48 58.3–.54 41.22N–.04 142.66E–.04 47–3 4.6b,4.0s 456 1-145
MOS IX 05 05 48 56.5–.91 41.16N 142.63E 44 4.9b,4.0s **¶621035478**
BJI IX 05 05 48 56.7 41.05N 142.61E 52 4.8b,4.7b
NIED IX 05 05 48 57.9 41.18N 142.72E 37 4.4W,4.7b
JMA IX 05 05 48 57.9–.09 41.2N–.30 142.7E–.30 37–1 4.4,4.4
IDC IX 05 05 48 58.3–1.6 41.20N 142.63E 46–13 4.4,4.2b
NEIC IX 05 05 48 59.3–.84 41.26N–.07 142.56E–.10 49–6 4.6b,4.2b
GFZ IX 05 05 49 00.3–.48 41N–5.0 143E–8.0 50–3 4.8b,4.8
BGR IX 05 05 49 01.8 41.89N 142.73E 33 4.7b,4.7s
ISC Event type ke.
MOS Error ellipse: s-maj=6.7km s-min=4.6km az=106.3.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.28 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-2.47 $M_{r\theta}$0.16 $M_{\theta\phi}$-2.29 $M_{\phi r}$2.66 NP1:ϕ_s236.00000°,δ33.00000°,λ126.00000°. NP2:ϕ_s16.00000° ,δ64.00000°,λ69.00000°. M_o4.59000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=13.7km s-min=9.7km az=120.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=5.6km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.

(253) Sulu Sea

ISC IX 05 09 00 22.5–1.2 9.85N–.02 121.97E–.03 11–7 4.6b,3.8s 296 1-147
GFZ IX 05 09 00 21.9–.58 10N–6.0 122E–4.0 10 4.9,4.8b **¶621035488**
MAN IX 05 09 00 23.2 9.92N 122.00E 13 5.4b,4.6s
BJI IX 05 09 00 25.1 9.94N 122.21E 34 4.8b,4.6b
IDC IX 05 09 00 26.6–1.9 9.84N 122.20E 37–16 4.4L,4.3
NEIC IX 05 09 00 26.0–1.4 9.86N–.07 122.04E–.07 35–1 4.6b,4.3
ISC Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MAN Event type fe. INTENSITY IV - CITY OF SIPALAY NEGROS OCCIDENTAL ; . INTENSITY III - CITY OF BAYAWAN NEGROS ORIENTAL ; . INTENSITY II - CITY OF BAGO AND HINOBA-AN NEGROS OCCIDENTAL; SANTA CATALINA NEGROS ORIENTAL ; . INTENSITY I - PONTEVEDRA NEGROS OCCIDENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(326) Southwestern Siberia

ISC IX 06 07 47 20.2–.34 53.18N–.02 99.11E–.02 8–2 5.2b,4.7s 991 1-151
ASGSR IX 06 07 47 16.8–.21 53N–2.0 99E–1.0 4 5.9,4.7s **¶621036070**
IDC IX 06 07 47 18.9–.36 53.13N 99.16E 0 4.7b,4.7
BYKL IX 06 07 47 18.8–.21 53.09N 99.08E 4.7b,4.7
BJI IX 06 07 47 19.3 53.11N 99.05E 10 5.6s,5.3b
MOS IX 06 07 47 20.3–1.1 53.10N 99.12E 7 5.3b,4.8s
NEIC IX 06 07 47 20.4–.82 53.16N–.08 99.1E–.10 10–1 5.3,5.2b
GCMT IX 06 07 47 21.9–.10 53.20N–.01 99.23E–.01 25–0 5.3W,5.2b
GFZ IX 06 07 47 21.6–.20 53N–4.0 99E–3.0 10 5.2b,4.9
BGR IX 06 07 47 23.8 52.46N 98.99E 33 5.1b,4.9s
ISC Event type ke.
ASGSR Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=21.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=11.0km s-min=6.2km az=25.0.
BYKL Event type se. FELT I=IV-V MSK at Burungol, Orlik, Khor-Tagna; IV at Mondy, Zima, Sayansk; III-IV at Nizhneudinsk, Angarsk, Irkutsk; III at Baikalsk, Zheleznogorsk-Ilimsky.

MOS Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=25.2. Felt (IV-V) at Orlik, Barangol, Khor-Tagna; (IV) at Zima, Mondy, Sayansk; (III-IV) at Angarsk, Zalary, Irkutsk, Nizhneudinsk, Svirsk; (III) at Baykal'sk, Bratsk, Zheleznogorsk-Ilimskiy. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.4km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109060747A. Moment Tensor Solution. s97,c148; s128,c254;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.00±.02 $M_{\theta\theta}$0.16±.02; $M_{\phi\phi}$-0.15±.02; $M_{r\theta}$0.14±.03; $M_{\theta\phi}$1.03±.01; $M_{\phi r}$-0.02±.02; Best double couple: NP1:ϕ_s4.00000° ,δ82.00000°,λ-180.00000°. NP2:ϕ_s274.00000°,δ90.00000°,λ-8.00000°. Principal axes: T 1.0520,Plg5.0000°,Azm320.0000°; N -0.0010,Plg82.0000°,Azm91.0000° ; P -1.0510,Plg6.0000°,Azm229.0000° $M_0$1.05100×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.

(243) Taiwan region

ISC	**IX**	**06 14 00 25.5–.36**	**23.82N–.02**	**122.17E–.02**	**46–3**	**5.2b,4.7s**	**1154**	**0-177**
BJI	IX	06 14 00 21.5	23.82N	122.12E	10	5.2L,5.0b		**¶621039288**
NEIC	IX	06 14 00 23.4–1.3	23.84N–.06	122.20E–.06	27–4	5.4b,5.2		
MOS	IX	06 14 00 25.4–.97	23.85N	122.23E	31	5.4b,4.7s		
BGR	IX	06 14 00 25.6	24.14N	122.35E	33	5.2b,5.0s		
TAP	IX	06 14 00 26.1	23.85N	122.08E	41–0	5.9L,5.0s		
GCMT	IX	06 14 00 26.0–.20	23.79N–.01	122.05E–.01	37–0	5.2W,5.0s		
NIED	IX	06 14 00 26.2	23.97N	122.20E	75	5.2W,5.0s		
IDC	IX	06 14 00 26.3–1.7	23.93N	122.20E	49–15	4.8,4.6L		
JMA	IX	06 14 00 26.2–.23	24N–1.0	122.2E–.70	75	5.2,5.2W		
GFZ	IX	06 14 00 26.5–.50	24N–3.0	122E–3.0	42–7	5.2b,5.1		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
TAP B.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109061400A. Moment Tensor Solution. s109,c169; s115,c190;Duration: 0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.64±.01 $M_{\theta\theta}$0.11±.01; $M_{\phi\phi}$-0.74±.01; $M_{r\theta}$-0.21±.01; $M_{\theta\phi}$0.10±.01; $M_{\phi r}$0.01±.01; Best double couple: NP1: ϕ_s192.00000°,δ47.00000°,λ117.00000°. NP2:ϕ_s336.00000°,δ49.00000°,λ64.00000°. Principal axes: T 0.7080,Plg71.0000°,Azm178.0000°; N 0.0500,Plg19.0000°,Azm353.0000° ; P -0.7600,Plg1.0000°,Azm83.0000° $M_0$0.73400×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}6.30 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-5.28 $M_{r\theta}$1.55 $M_{\theta\phi}$-1.61 $M_{\phi r}$-0.06 NP1:ϕ_s187.00000°,δ44.00000°,λ73.00000°. NP2:ϕ_s30.00000° ,δ48.00000°,λ106.00000°. $M_0$6.23000×10^{16}
JMA Event type fe. TAIWAN REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(224) Hokkaido region

ISC	**IX**	**06 14 50 03.4–.43**	**42.73N–.04**	**145.05E–.04**	**60–3**	**4.7b**	**427**	**0-141**
MOS	IX	06 14 50 02.0–.87	42.66N	145.04E	65	4.9b		**¶621039297**
NEIC	IX	06 14 50 02.4–1.6	42.70N–.05	145.1E–.10	50–6	4.7b		
SKHL	IX	06 14 50 03.9–.20	42.70N	145.10E	74–5	5.1b		
NIED	IX	06 14 50 03.3	42.70N	145.08E	58	4.4W		
JMA	IX	06 14 50 03.3–.08	42.7N–.20	145.1E–.30	58–0	4.6,4.4		
IDC	IX	06 14 50 04.0–.61	42.75N	145.02E	62–5	4.5,4.2b		

ISC Event type ke.
MOS Error ellipse: s-maj=7.3km s-min=5.0km az=101.5.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.8km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.44 $M_{\theta\theta}$0.57 $M_{\phi\phi}$-3.01 $M_{r\theta}$3.28 $M_{\theta\phi}$-1.49 $M_{\phi r}$0.50 NP1:ϕ_s171.00000°,δ39.00000°,λ33.00000°. NP2:ϕ_s55.00000° ,δ70.00000°,λ125.00000°. $M_0$4.51000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
IDC Error ellipse: s-maj=10.2km s-min=8.0km az=26.0.

(326) Southwestern Siberia

ISC	**IX**	**06 18 13 28.8–1.1**	**53.21N–.03**	**98.89E–.02**	**6–7**	**4.0b**	**239**	**1-83**
ASGSR	IX	06 18 13 23.2–.25	53N–2.0	99E–1.0	4	4.9		**¶621039470**
IDC	IX	06 18 13 27.3–.57	53.17N	99.15E	0	3.7b,3.7		
MOS	IX	06 18 13 27.6–1.6	53.18N	99.03E	5	4.3b,3.7		
BYKL	IX	06 18 13 27.7–.20	53.11N	99.09E	4–9	4.3b,3.7		
NEIC	IX	06 18 13 30.1–.77	53.3N–.10	98.8E–.20	10–2	4.2b,3.7		

ISC Event type se.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Event type fe. Felt (III) at Tulun, Sayansk; (II) at Zima, Irkutsk; (II) at Angarsk. Moment Tensor Solution.
BYKL Event type se. FELT I=III MSK at Tulun, Sayansk; II-III at Irkutsk, Zima; II at Angarsk.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(235) Kyushu

ISC	**IX**	**06 20 59 21.5–.51**	**31.15N–.03**	**131.49E–.04**	**46–3**	**4.5b,4.0s**	**234**	**0-121**
BJI	IX	06 20 59 15.0	30.76N	131.97E	46	4.6b,4.4b		**¶621039474**
MOS	IX	06 20 59 20.1–.98	31.14N	131.36E	49	4.7b,4.4b		
NIED	IX	06 20 59 21.2	31.19N	131.47E	29	4.5W,4.4b		
JMA	IX	06 20 59 21.2–.12	31.2N–.30	131.5E–.60	29–0	4.4,4.2		
NEIC	IX	06 20 59 22.0–1.9	31.17N–.05	131.47E–.06	46–2	4.6b,4.2		
IDC	IX	06 20 59 22.2–1.3	31.20N	131.33E	50–10	4.1,3.9s		

ISC Event type ke.
MOS Error ellipse: s-maj=10.0km s-min=5.7km az=114.7.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.30 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-2.63 $M_{r\theta}$3.41 $M_{\theta\phi}$-1.83 $M_{\phi r}$4.00 NP1:ϕ_s181.00000°,δ17.00000°,λ53.00000°. NP2:ϕ_s40.00000° ,δ76.00000°,λ101.00000°. $M_0$6.04000×10^{15}
JMA Event type fe. SE OFF OSUMI PEN .
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=7.2km az=220.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=8.6km az=95.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**07 01 03 25.6–1.2**	**40.36N–.05**	**141.97E–.08**	**58–8**	**3.7b**	**23**	**0-44**
IDC	IX	07 01 03 12.0–3.5	39.54N	142.13E	0	3.7b,3.6L		**¶621094294**
JMA	IX	07 01 03 26.0–.09	40.4N–.30	142.0E–.30	52–0	3.3,3.6L		

ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .

(259) Mindanao

ISC	**IX**	**07 02 29 30.2–.39**	**5.39N–.03**	**126.70E–.04**	**43–3**	**4.8b,4.1s**	**429**	**1-151**
MAN	IX	07 02 29 26.2	5.29N	126.86E	15	5.6b,4.9s		**¶621039493**
BJI	IX	07 02 29 28.5	5.08N	126.83E	69	5.1b,4.9b		
NEIC	IX	07 02 29 31.0–1.6	5.51N–.05	126.71E–.08	44–5	4.9b,4.9b		
GCMT	IX	07 02 29 31.4–.40	5.39N–.03	126.91E–.02	24–1	5.0W,4.9b		
IDC	IX	07 02 29 33.0–1.2	5.48N	126.72E	67–10	4.5,4.3b		
GFZ	IX	07 02 29 33.1–.19	5N–2.0	126E–4.0	63	5.0b,4.9		

ISC Event type fe.
MAN Event type fe. INTENSITY I - MALITA DAVAO OCCIDENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109070229A. Moment Tensor Solution. s25,c26; s63,c86; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.28 $M_{\theta\theta}$0.16±.14; $M_{\phi\phi}$-2.81±.17; $M_{r\theta}$1.01±.21; $M_{\theta\phi}$-0.07±.08; $M_{\phi r}$1.93±.20; Best double couple: NP1:ϕ_s166.00000°,δ29.00000° ,λ62.00000°. NP2:ϕ_s17.00000°,δ65.00000°,λ104.00000°. Principal axes: T 3.5280,Plg67.0000°,Azm314.0000°; N -0.0650,Plg13.0000°,Azm191.0000° ; P -3.4630,Plg18.0000°,Azm96.0000° $M_0$3.49600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(226) Near west coast of eastern Honshu

ISC	**IX**	**07 05 07 07.7–.97**	**37.47N–.04**	**137.17E–.05**	**11–7**	**3.8b,3.1s**	**27**	**0-80**
IDC	IX	07 05 07 05.6–.68	37.45N	137.17E	0	3.8,3.7b		**¶626525232**
NIED	IX	07 05 07 07.4	37.51N	137.23E	13	3.8W,3.7b		
JMA	IX	07 05 07 07.4–.04	37.5N–.10	137.2E–.20	13–0	4.2,4.1		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.02 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$-3.84 $M_{r\theta}$-2.70 $M_{\theta\phi}$-2.56 $M_{\phi r}$-2.58 NP1:ϕ_s22.00000°,δ28.00000°,λ74.00000°. NP2:ϕ_s220.00000° ,δ63.00000°,λ99.00000°. $M_0$6.41000×10^{14}
JMA Event type fe. NOTO PENINSULA REGION .

(256) Leyte

ISC	**IX**	**07 13 19 24.3–1.1**	**11.54N–.02**	**124.36E–.02**	**6–9**	**3.8b**	**55**	**1-54**
IDC	IX	07 13 19 22.4–3.7	11.65N	124.79E	0	3.8b,3.8		**¶621094327**
MAN	IX	07 13 19 23.6	11.57N	124.36E	7	5.0b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=360.0km s-min=25.8km az=66.0.
MAN Event type fe. INTENSITY V - NAVAL BILIRAN ; . INTENSITY IV - ALMERIA AND BILIRAN BILIRAN ; . INTENSITY III - KAWAYAN BILIRAN; CALUBIAN LEYTE ; . INTENSITY II - LEYTE LEYTE.

(228) Near east coast of eastern Honshu

ISC	**IX**	**07 13 25 11.0–.51**	**35.46N–.05**	**141.39E–.06**	**35**	**4.2b,3.4s**	**106**	**1-147**
NEIC	IX	07 13 25 10.5–.49	35.36N–.02	141.39E–.10	35–2	4.5b,3.4s		**¶621041444**
MOS	IX	07 13 25 10.4–1.1	35.47N	141.36E	41	4.6b,3.4s		
NIED	IX	07 13 25 12.8	35.47N	141.04E	27	4.4W,3.4s		
IDC	IX	07 13 25 12.6–2.3	35.51N	141.05E	35–17	4.0,3.9b		
JMA	IX	07 13 25 12.8–.09	35.5N–.30	141.0E–.40	27–1	3.7,3.9b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.67 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-2.21 $M_{r\theta}$1.79 $M_{\theta\phi}$-0.36 $M_{\phi r}$2.92 NP1:ϕ_s183.00000°,δ19.00000°,λ67.00000°. NP2:ϕ_s27.00000° ,δ72.00000°,λ98.00000°. $M_0$4.21000×10^{15}
JMA Event type fe. NEAR CHOSHI CITY .

(259) Mindanao

ISC	**IX**	**07 18 29 18.9–.80**	**8.39N–.03**	**126.85E–.05**	**46–7**	**4.6b,3.3s**	**225**	**1-99**
MAN	IX	07 18 29 16.2	8.43N	126.90E	10	5.4b,4.5s		**¶621041903**
GFZ	IX	07 18 29 22.3–.55	8N–3.0	127E–4.0	87–5	4.6b,4.6		
IDC	IX	07 18 29 22.9–1.6	8.45N	126.77E	79–15	4.4,4.0b		
NEIC	IX	07 18 29 22.8–2.4	8.31N–.07	126.67E–.07	74–7	4.6b,4.0b		

ISC Event type fe.
MAN Event type fe. INTENSITY I - CITY OF BISLIG SURIGAO DEL SUR.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(227) Eastern Honshu

ISC	**IX**	**07 18 41 22.0–.78**	**39.14N–.04**	**141.85E–.07**	**67–6**	**4.3b**	**91**	**0-78**
NIED	IX	07 18 41 23.0	39.14N	141.73E	63	3.9W		**¶621041461**
JMA	IX	07 18 41 23.0–.08	39.1N–.20	141.7E–.40	63–0	4.0,4.0		
IDC	IX	07 18 41 23.6–1.9	39.22N	142.05E	88–15	4.0,3.7b		
NEIC	IX	07 18 41 23.1–.80	39.19N–.05	141.9E–.10	75–8	4.5b,3.7b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.52 $M_{\theta\theta}$7.78 $M_{\phi\phi}$-5.26 $M_{r\theta}$-0.13 $M_{\theta\phi}$1.45 $M_{\phi r}$-5.05 NP1:ϕ_s302.00000°,δ61.00000°,λ-25.00000°. NP2:ϕ_s45.00000° ,δ68.00000°,λ-149.00000°. $M_0$8.59000×10^{14}
JMA Event type fe. SOUTHERN IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**IX**	**08 18 28 39.0–1.4**	**37.03N–.06**	**141.2E–.10**	**35**	**3.3b**	**18**	**0-61**
IDC	IX	08 18 28 33.5–1.8	37.28N	141.37E	0	3.5b,3.4		**¶621105789**
JMA	IX	08 18 28 39.5–.05	37.0N–.20	141.1E–.20	27–0	3.6,3.4		

ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

(224) Hokkaido region

ISC	**IX**	**09 20 49 26.2–.60**	**42.81N–.04**	**143.39E–.03**	**100–4**	**4.1b**	**113**	**0-85**
MOS	IX	09 20 49 24.9–.90	43.02N	143.17E	87	4.2b		**¶621051042**
JMA	IX	09 20 49 26.6–.14	42.8N–.40	143.4E–.60	94–1	3.6,3.6		
NIED	IX	09 20 49 26.6	42.79N	143.38E	94	3.7W,3.6		
NEIC	IX	09 20 49 26.2–1.8	42.79N–.03	143.4E–.20	101–8	4.2b,3.6		
SKHL	IX	09 20 49 27.0–.10	42.80N	143.40E	96–3	5.6,4.8b		
IDC	IX	09 20 49 27.4–2.0	42.91N	143.41E	107–10	3.9,3.6b		

ISC Event type ke.
MOS Error ellipse: s-maj=13.7km s-min=8.1km az=77.4.
JMA Event type fe. TOKACHI REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.46 $M_{\theta\theta}$1.50 $M_{\phi\phi}$-2.96 $M_{r\theta}$1.78 $M_{\theta\phi}$-1.28 $M_{\phi r}$-0.35 NP1:ϕ_s158.00000°,δ60.00000°,λ31.00000°. NP2:ϕ_s52.00000° ,δ63.00000°,λ146.00000°. $M_0$3.38000×10^{14}
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=2.6km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=18.1km az=151.0.

(326) Southwestern Siberia

ISC	**IX**	**10 00 24 46.6–.35**	**53.12N–.02**	**98.96E–.02**	**10**	**4.1b**	**165**	**1-45**
ASGSR	IX	10 00 24 41.8–.22	53N–2.0	99E–1.0	9	4.6		**¶621051052**
BYKL	IX	10 00 24 46.3–.20	53.18N	99.09E		4.6		
MOS	IX	10 00 24 47.7–2.0	53.35N	99.32E	9	4.4b		
IDC	IX	10 00 24 48.3–1.1	53.14N	99.11E	0	3.4b,3.3		

ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=3.7km s-min=2.0km az=23.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se. FELT I=II-III MSK at Zalari.
MOS Event type fe. Error ellipse: s-maj=8.0km s-min=6.2km az=42.6. Felt (II-III) at Zalary. Moment Tensor Solution.
IDC Error ellipse: s-maj=23.7km s-min=8.0km az=22.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**10 13 42 43.6–.56**	**40.82N–.05**	**142.79E–.06**	**30**	**4.2b,3.3s**	**111**	**1-80**
MOS	IX	10 13 42 44.1–.79	40.82N	142.86E	54	4.5b,3.3s		**¶621108521**
NIED	IX	10 13 42 45.2	40.87N	142.73E	36	4.1W,3.3s		
JMA	IX	10 13 42 45.2–.11	40.9N–.30	142.7E–.40	36–1	3.8,3.3s		
IDC	IX	10 13 42 46.6–1.9	40.81N	142.79E	57–15	4.1,3.9b		
NEIC	IX	10 13 42 47.5–1.1	40.98N–.07	142.54E–.09	56–4	4.2b,3.9b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.02 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-1.13 $M_{r\theta}$0.87 $M_{\theta\phi}$-0.22 $M_{\phi r}$1.11 NP1:ϕ_s170.00000°,δ23.00000°,λ51.00000°. NP2:ϕ_s31.00000° ,δ72.00000°,λ105.00000°. $M_0$1.79000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(233) Near south coast of western Honshu

JMA	**IX**	**11 02 52 27.3–.07**	**34.0N–.20**	**134.2E–.20**	**44–0**	**3.6**		
NIED	IX	11 02 52 27.3	34.03N	134.15E	44	3.5W		**¶621146463**

JMA Event type fe. TOKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.43 $M_{\theta\theta}$-1.89 $M_{\phi\phi}$1.46 $M_{r\theta}$0.17 $M_{\theta\phi}$0.53 $M_{\phi r}$0.28 NP1:ϕ_s323.00000°,δ78.00000°,λ172.00000°. NP2:ϕ_s55.00000° ,δ82.00000°,λ12.00000°. $M_0$1.80000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**IX**	**11 08 15 50.3–1.1**	**38.30N–.05**	**141.65E–.08**	**53–8**		**25**	**0-89**
JMA	IX	11 08 15 50.6–.09	38.3N–.30	141.6E–.40	56–0	3.6		**¶621108572**
IDC	IX	11 08 15 58.0–5.4	38.34N	140.77E	131–54	3.4,3.1b		

ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=91.2km s-min=29.7km az=91.0.

(236) Shikoku

ISC	**IX**	**12 02 17 04.3–.72**	**33.10N–.04**	**132.08E–.03**	**50–7**	**4.2b,3.2s**	**74**	**0-86**
IDC	IX	12 02 17 03.8–1.2	33.11N	132.08E	48–12	3.9,3.6b		**¶621070394**
NIED	IX	12 02 17 04.5	33.12N	132.07E	45	4.2W,3.6b		
NEIC	IX	12 02 17 04.6–2.0	33.06N–.06	132.04E–.06	49–6	4.5b,3.6b		
JMA	IX	12 02 17 04.5–.05	33.1N–.20	132.1E–.20	45–0	4.2,4.2W		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.87 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$1.33 $M_{r\theta}$1.19 $M_{\theta\phi}$-0.67 $M_{\phi r}$1.82 NP1:ϕ_s311.00000°,δ29.00000°,λ-158.00000°. NP2:ϕ_s202.00000° ,δ80.00000°,λ-63.00000°. $M_0$2.54000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. BUNGO CHANNEL .

(224) Hokkaido region
ISC IX 12 09 08 13.4–.90 42.82N–.03 141.97E–.04 19–2 3.6b 24 0-86
NIED IX 12 09 08 13.3 42.82N 141.97E 10 3.7W ¶621109643
JMA IX 12 09 08 13.3–.13 42.8N–.40 142.0E–.50 10–2 3.5
IDC IX 12 09 08 16.1–2.0 42.71N 142.01E 48–17 3.7,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.27 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$-2.00 $M_{r\theta}$1.02 $M_{\theta\phi}$3.81 $M_{\phi r}$-1.16 NP1:ϕ_s316.00000°,δ35.00000°,λ88.00000°. NP2:ϕ_s139.00000° ,δ55.00000°,λ91.00000°. M_o4.63000×10^{14}
JMA Event type fe. ISHIKARI DEPRESSION .
IDC Error ellipse: s-maj=28.5km s-min=12.6km az=125.0.
(228) Near east coast of eastern Honshu
ISC IX 12 13 33 48.9–.90 35.63N–.04 140.12E–.05 69–7 3.8b 29 0-59
IDC IX 12 13 33 46.6–5.3 35.62N 140.41E 54–42 3.7,3.4b ¶621109657
JMA IX 12 13 33 48.7–.14 35.7N–.30 140.1E–.50 69–1 3.4,3.4b
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
(235) Kyushu
ISC IX 12 15 16 29.5–1.0 32.74N–.05 130.59E–.08 13–7 3.4b 20 0-72
IDC IX 12 15 16 26.5–.82 32.66N 130.71E 0 3.6b,3.6 ¶621109664
NIED IX 12 15 16 29.4 32.79N 130.64E 12 3.8W,3.6
JMA IX 12 15 16 29.4–.04 32.8N–.10 130.6E–.10 12–0 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.69 $M_{\theta\theta}$5.51 $M_{\phi\phi}$-0.82 $M_{r\theta}$1.10 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.12 NP1:ϕ_s96.00000°,δ39.00000°,λ-86.00000°. NP2:ϕ_s271.00000° ,δ51.00000°,λ-93.00000°. M_o5.23000×10^{14}
JMA Event type fe. NW KUMAMOTO PREF .
(228) Near east coast of eastern Honshu
ISC IX 12 16 36 08.0–1.5 37.80N–.04 141.97E–.06 28–10 4.2b,3.2s 88 1-146
IDC IX 12 16 36 04.5–.61 37.85N 141.81E 0 4.0b,4.0 ¶621070696
NIED IX 12 16 36 10.0 37.84N 141.83E 45 4.2W,4.0
NEIC IX 12 16 36 10.2–1.3 37.84N–.06 141.99E–.10 42–7 4.4b,4.0
JMA IX 12 16 36 10.0–.05 37.8N–.10 141.8E–.20 45–0 4.2,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-0.23 $M_{r\theta}$1.60 $M_{\theta\phi}$-0.85 $M_{\phi r}$0.22 NP1:ϕ_s196.00000°,δ26.00000°,λ30.00000°. NP2:ϕ_s79.00000° ,δ77.00000°,λ112.00000°. M_o1.93000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SE OFF MIYAGI PREF .
(230) Near south coast of eastern Honshu
ISC IX 12 21 31 07.5–.71 34.81N–.03 139.88E–.03 50–6 4.0b 70 0-75
IDC IX 12 21 31 07.8–.47 34.85N 139.94E 49–6 3.8,3.4b ¶621109678
NIED IX 12 21 31 07.7 34.85N 139.83E 52 4.1W,3.4b
JMA IX 12 21 31 07.7–.11 34.9N–.30 139.8E–.40 52–0 4.2,4.2
NEIC IX 12 21 31 08.1–1.4 34.82N–.04 139.95E–.05 57–7 4.2b,4.2
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.56 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.78 $M_{r\theta}$-0.15 $M_{\theta\phi}$-1.09 $M_{\phi r}$0.42 NP1:ϕ_s289.00000°,δ71.00000°,λ161.00000°. NP2:ϕ_s25.00000° ,δ72.00000°,λ20.00000°. M_o1.64000×10^{15}
JMA Event type fe. SE OFF BOSO PENINSULA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC IX 13 04 59 48.9–.97 39.33N–.04 142.17E–.07 49–7 4.3b 104 0-149
BJI IX 13 04 59 45.5 39.42N 142.85E 74 5.0b,4.6b ¶621070944
NEIC IX 13 04 59 47.3–1.5 39.34N–.06 142.60E–.02 49–7 4.9b,4.6b
NIED IX 13 04 59 49.5 39.33N 142.08E 48 4.1W,4.6b
JMA IX 13 04 59 49.5–.08 39.3N–.20 142.1E–.30 48–0 4.1,4.0
IDC IX 13 04 59 53.0–2.0 39.35N 141.93E 81–17 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=2.1km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.07 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.10 $M_{\phi r}$0.94 NP1:ϕ_s187.00000°,δ21.00000°,λ74.00000°. NP2:ϕ_s24.00000° ,δ70.00000°,λ96.00000°. M_o1.43000×10^{15}
JMA Event type fe. E OFF IWATE PREF .
IDC Error ellipse: s-maj=17.8km s-min=11.6km az=101.0.
(228) Near east coast of eastern Honshu
ISC IX 13 06 37 21.7–.91 35.64N–.05 140.14E–.06 75–8 3.7b 26 0-59
IDC IX 13 06 37 09.7–2.0 35.97N 141.12E 0 3.8,3.6b ¶621109699
JMA IX 13 06 37 21.6–.17 35.7N–.40 140.1E–.60 69–1 3.4,3.6b
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
(211) Southeast of Honshu
ISC IX 13 22 46 06.6–.20 32.48N–.02 137.83E–.02 378–1 5.5b 2456 1-168
BGR IX 13 22 45 22.5 31.50N 139.09E 392–3 6.1,5.8b ¶621072594
PTWC IX 13 22 46 05 32.30N 138.20E 385 5.7,5.8b
JMA IX 13 22 46 05.9–.20 32N–1.0 138.0E–.80 385–2 6.0,5.8W
NIED IX 13 22 46 05.9 32.46N 138.00E 385 5.9W,5.8W
MOS IX 13 22 46 05.3–.79 32.49N 137.85E 375 5.7b,4.9s
BJI IX 13 22 46 05.0 32.52N 137.65E 363 5.9b,5.8b
NEIC IX 13 22 46 06.4–1.8 32.48N–.07 137.86E–.08 370–1 5.9,5.6b
IPGP IX 13 22 46 06.0 32.43N 137.90E 376 5.9W,5.6b
NEIC IX 13 22 46 06.7 32.46N 137.87E 376 5.9W,5.6b
IDC IX 13 22 46 06.5–.39 32.51N 137.82E 375–3 5.7,4.9b
GFZ IX 13 22 46 06.8–.18 32N–1.0 138E–2.0 380–1 5.9b,5.6
NEIC IX 13 22 46 06.1 32.45N 137.87E 366 5.9b,5.6
NEIC IX 13 22 46 07.3 32.36N 137.99E 370 5.8,5.6
GFZ IX 13 22 46 07.1 32.46N 137.81E 384 5.8W,5.6
GCMT IX 13 22 46 08.6–.10 32.47N–.01 137.71E–.01 377–0 5.8W,5.6
ISC Event type ke.
BGR Event type ke.
PTWC IZU ISLANDS, JAPAN REGION.
JMA Event type fe. FAR S OFF TOKAI DISTRICT.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$3.02 $M_{\phi\phi}$-2.16 $M_{r\theta}$0.34 $M_{\theta\phi}$-1.42 $M_{\phi r}$-6.38 NP1:ϕ_s77.00000°,δ22.00000°,λ-178.00000°. NP2:ϕ_s345.00000° ,δ89.00000°,λ-68.00000°. M_o6.74000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.94 $M_{\theta\theta}$2.14 $M_{\phi\phi}$-1.20 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.57 $M_{\phi r}$-7.79 NP1:ϕ_s82.61000°,δ7.04000°,λ179.68000°. NP2:ϕ_s172.93000°,δ89.96000° ,λ82.96000°. Principal axes: T 8.8647,Plg45.0000°,Azm76.0000°; N 1.9953,Plg7.0000° ,Azm173.0000°; P -8.8600,Plg45.0000°,Azm270.0000° M_o8.05000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s77.00000°,δ14.00000°,λ173.00000°. NP2:ϕ_s173.00000° ,δ88.00000°,λ76.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64 $M_{\theta\theta}$3.27 $M_{\phi\phi}$-2.64 $M_{r\theta}$1.26 $M_{\theta\phi}$-1.21 $M_{\phi r}$-5.62 NP1:ϕ_s67.66000°,δ29.04000° ,λ-176.23000°. NP2:ϕ_s334.36000°,δ88.17000°,λ-61.02000°. Principal axes: T 5.4590,Plg37.0000°,Azm39.0000°; N 1.8849,Plg29.0000°,Azm153.0000° ; P -7.3440,Plg40.0000°,Azm271.0000° M_o6.61000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26 $M_{\theta\theta}$2.83 $M_{\phi\phi}$-2.57 $M_{r\theta}$0.75 $M_{\theta\phi}$-1.18 $M_{\phi r}$-5.41 NP1: ϕ_s159.96102°,δ89.10130°,λ63.95061°. NP2:ϕ_s68.12314°,δ26.06381°,λ177.95423°. Principal axes: T 4.9492,Plg40.2623°,Azm45.9491°; N 2.0204,Plg26.0459°,Azm160.4003° ; P -6.9697,Plg38.6167°,Azm273.3783° M_o6.21101×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202109132246A. Moment Tensor Solution. s143,c307; s111,c139;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.58±.04 $M_{\theta\theta}$3.37±.07; $M_{\phi\phi}$-2.79±.07; $M_{r\theta}$0.79±.06; $M_{\theta\phi}$-1.26±.06; $M_{\phi r}$-6.85±.06; Best double couple: NP1:ϕ_s70.00000°,δ23.00000°,λ178.00000°. NP2:ϕ_s162.00000°,δ89.00000°,λ67.00000°. Principal axes: T 6.0160,Plg41.0000°,Azm51.0000°; N 2.6270,Plg23.0000°,Azm162.0000° ; P -8.6390,Plg40.0000°,Azm273.0000° M_o7.32700×10^{17}
(219) Off east coast of Kamchatka Peninsula
ISC IX 14 19 57 30.0–.35 53.74N–.02 161.32E–.03 34–1 4.8b,4.4s 806 1-162
MOS IX 14 19 57 25.6–1.1 53.68N 161.51E 14 4.8b,4.4s ¶621073495
KRSC IX 14 19 57 27.5–1.2 53.69N 161.42E 47–22 5.1L,4.8
BJI IX 14 19 57 30.3 54.08N 160.86E 36 5.0b,4.8s
NEIC IX 14 19 57 31.6–1.2 53.88N–.08 161.1E–.10 46–5 4.9b,4.8s
GFZ IX 14 19 57 32.4–.16 54N–3.0 161E–3.0 46 5.3b,5.0
GCMT IX 14 19 57 32.8–.50 53.76N–.03 161.57E–.04 33–1 4.9W,5.0
IDC IX 14 19 57 32.1–1.5 53.89N 161.11E 49–14 4.5,4.4s
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=3.4km az=85.3. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se. Felt [IV] at kordon Kronoki, kordon Aerodrom; [III-IV] at kordon Valley of Geysers.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.5km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109141957A. Moment Tensor Solution. s34,c44; s65,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.01±.17 $M_{\theta\theta}$-1.03±.13; $M_{\phi\phi}$-0.97±.12; $M_{r\theta}$-0.25±.15; $M_{\theta\phi}$-1.53±.07; $M_{\phi r}$-1.58±.13; Best double couple: NP1:ϕ_s68.00000°,δ35.00000° ,λ129.00000°. NP2:ϕ_s204.00000°,δ64.00000°,λ67.00000°. Principal axes: T 2.7340,Plg64.0000°,Azm75.0000°; N 0.1580,Plg21.0000°,Azm215.0000° ; P -2.8910,Plg15.0000°,Azm311.0000° M_o2.81300×10^{16}
IDC Error ellipse: s-maj=12.5km s-min=9.2km az=141.0.
(228) Near east coast of eastern Honshu
ISC IX 15 02 09 44.4–.72 35.06N–.04 140.63E–.05 90–5 4.2b 68 0-59
NIED IX 15 02 09 43.5 35.11N 140.67E 91 3.8W ¶621111963
NEIC IX 15 02 09 43.4–1.1 35.07N–.06 140.78E–.10 82–9 4.4b
JMA IX 15 02 09 43.5–.17 35.1N–.60 140.7E–.60 91–1 3.7
IDC IX 15 02 09 44.8–2.0 35.00N 140.58E 90–15 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.93 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$3.91 $M_{r\theta}$-2.58 $M_{\theta\phi}$-0.35 $M_{\phi r}$4.65 NP1:ϕ_s21.00000°,δ22.00000°,λ-45.00000°. NP2:ϕ_s154.00000° ,δ75.00000°,λ-106.00000°. M_o6.38000×10^{14}
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.8km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=28.5km s-min=6.9km az=74.0.
(251) Samar
ISC IX 15 10 47 53.3–.70 11.43N–.02 125.42E–.04 56–6 4.4b,3.8s 138 0-148
MAN IX 15 10 47 52.8 11.42N 125.48E 60 5.1b,4.2s ¶621076038
IDC IX 15 10 47 53.8–5.3 11.33N 125.42E 68–49 4.3,4.0b
NEIC IX 15 10 48 05.2–.92 11.26N–.09 125.2E–.10 167–3 4.3b,4.0b
ISC Event type fe.
MAN Event type fe. INTENSITY III - BALANGIGA BALANGKAYAN CITY OF BORONGAN GENERAL MACARTHUR GIPORLOS HERNANI LAWAAN LLORENTE MAYDOLONG QUINAPONDAN AND SALCEDO EASTERN SAMAR; . INTENSITY II - MERCEDES SAN JULIAN SULAT AND TAFT EASTERN SAMAR; BABATNGON DULAG PALO PASTRANA AND TANAUAN LEYTE; CITY OF TACLOBAN; BASEY AND MARABUT SAMAR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC IX 15 14 31 37.3–.85 36.31N–.04 140.28E–.05 106–6 3.5b 31 0-56
IDC IX 15 14 31 35.2–5.5 36.39N 140.51E 98–36 3.6,3.2b ¶621111987
JMA IX 15 14 31 38.4–.08 36.3N–.30 140.2E–.40 98–0 3.2,3.2b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
(228) Near east coast of eastern Honshu
ISC IX 16 04 08 29.7–1.4 38.53N–.06 142.15E–.09 47–11 4.4b 46 1-68
IDC IX 16 04 08 22.0–2.2 38.74N 142.58E 0 3.8b,3.6 ¶621112867
NEIC IX 16 04 08 29.1–1.6 38.58N–.09 142.4E–.10 35–2 4.6b,3.6
JMA IX 16 04 08 33.1–.09 38.5N–.20 141.7E–.40 52–0 3.6,3.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. KINKAZAN REGION .
(226) Near west coast of eastern Honshu
ISC IX 16 09 42 30.0–.43 37.45N–.02 137.32E–.02 14–2 5.4b,4.4s 913 0-164
IDC IX 16 09 42 27.8–.34 37.48N 137.30E 0 4.9b,4.9 ¶621079125
GFZ IX 16 09 42 29.9–.10 37N–2.0 137E–2.0 10 5.6b,5.2b
NEIC IX 16 09 42 29.7 37.56N 137.90E 12 4.9,5.2b
NEIC IX 16 09 42 29.6 37.47N 137.25E 10 4.9,5.2b
NEIC IX 16 09 42 29.7 37.46N 137.27E 10 4.9,5.2b
NEIC IX 16 09 42 29.5–1.6 37.47N–.01 137.25E–.06 10–1 5.4b,4.9
NIED IX 16 09 42 30.2 37.51N 137.30E 13 5.0W,4.9
JMA IX 16 09 42 30.2–.06 37.5N–.20 137.3E–.30 13–0 5.1,4.9W
MOS IX 16 09 42 31.0–1.0 37.45N 137.23E 33 5.4b,5.0s
GCMT IX 16 09 42 33.0–.20 37.48N–.01 137.18E–.01 14–0 5.0W,5.0s
BGR IX 16 09 42 37.3 38.03N 137.22E 33 5.3b,4.4s
ISC Event type ke.
IDC Error ellipse: s-maj=9.3km s-min=7.9km az=65.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}2.85 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-1.82 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.37 $M_{\phi r}$0.12 NP1:ϕ_s217.87000°,δ43.79000° ,λ91.21000°. NP2:ϕ_s36.20000°,δ46.22000°,λ88.84000°. Principal axes: T 2.8537,Plg89.0000°,Azm273.0000°; N 0.0028,Plg1.0000°,Azm37.0000° ; P -2.8565,Plg1.0000°,Azm127.0000° M_o2.86000×10^{16}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=2.9km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.78 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-2.22 $M_{r\theta}$0.15 $M_{\theta\phi}$-1.00 $M_{\phi r}$-1.34 NP1:ϕ_s36.50000°,δ34.69000°,λ109.98000°. NP2:ϕ_s192.64000° ,δ57.67000°,λ76.69000°. Principal axes: T 3.1595,Plg74.0000°,Azm67.0000° ; N -0.2283,Plg11.0000°,Azm200.0000°; P -2.9312,Plg12.0000°,Azm292.0000° M_o3.05000×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.78 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-2.10 $M_{r\theta}$-0.22 $M_{\theta\phi}$-1.33 $M_{\phi r}$-0.96 NP1:ϕ_s37.00000°,δ36.00000°,λ100.00000°. NP2:ϕ_s205.00000° ,δ54.00000°,λ83.00000°. M_o3.01000×10^{16}
JMA Event type fe. NOTO PENINSULA REGION .
MOS Error ellipse: s-maj=6.5km s-min=3.8km az=112.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109160942A. Moment Tensor Solution. s61,c84; s114,c188; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.12 $M_{\theta\theta}$-0.70±.07; $M_{\phi\phi}$-2.61±.08; $M_{r\theta}$-0.47±.17; $M_{\theta\phi}$-1.20±.05; $M_{\phi r}$-2.06±.17; Best double couple: NP1:ϕ_s32.00000°,δ29.00000° ,λ101.00000°. NP2:ϕ_s199.00000°,δ62.00000°,λ84.00000°. Principal axes: T 3.9580,Plg73.0000°,Azm94.0000°; N -0.1700,Plg6.0000°,Azm202.0000° ; P -3.7910,Plg16.0000°,Azm294.0000° M_o3.87500×10^{16}
BGR Event type ke.
(249) Luzon
ISC IX 16 11 53 12.0–.68 15.28N–.03 119.88E–.04 67–6 4.4b 127 0-95
MAN IX 16 11 53 12.0 15.34N 119.94E 53 5.1b,4.1s ¶621112884
IDC IX 16 11 53 15.5–1.6 15.19N 120.15E 111–16 4.2,3.8b
NEIC IX 16 11 53 15.9–1.9 15.34N–.08 120.1E–.20 101–8 4.4b,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY II - CABANGAN SAN FELIPE AND SAN MARCELINO ZAMBALES ; . INTENSITY I - MASINLOC AND PALAUIG ZAMBALES.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC IX 16 21 42 09.9–1.1 40.75N–.05 141.6E–.10 71–7 3.5b 22 0-64
IDC IX 16 21 41 58.4–2.2 40.87N 142.32E 0 3.5b,3.5 ¶621112909
JMA IX 16 21 42 10.1–.12 40.7N–.30 141.6E–.50 73–1 3.3,3.5
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
(224) Hokkaido region
ISC IX 17 02 56 57.3–.66 43.48N–.06 144.70E–.04 149–5 3.5b 52 0-84

JMA IX 17 02 56 58.0–.19 43.5N–.70 144.7E–.80 147–1 3.4 ¶621112924
SKHL IX 17 02 56 58.5–.30 43.50N 144.70E 142–2 5.8,5.0b
IDC IX 17 02 56 58.5–3.0 43.58N 144.64E 155–10 3.7,3.3b
ISC Event type ke.
JMA Event type fe. NEMURO REGION .
IDC Error ellipse: s-maj=60.9km s-min=17.4km az=174.0.
(28) Near east coast of eastern Honshu
ISC IX 17 03 16 10.8–.95 37.79N–.04 141.55E–.06 45–7 4.4b,3.9s 126 1-147
NIED IX 17 03 16 10.7 37.79N 141.51E 49 4.2W,3.9s ¶621082828
JMA IX 17 03 16 10.7–.05 37.8N–.10 141.5E–.20 49–0 4.6,4.4
NEIC IX 17 03 16 11.3–1.7 37.76N–.06 141.60E–.10 48–6 4.5b,4.4
IDC IX 17 03 16 11.6–1.8 37.82N 141.51E 53–15 4.2,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.48 $M_{\theta\theta}$0.22 $M_{\phi\phi}$2.27 $M_{r\theta}$0.51 $M_{\theta\phi}$0.87 $M_{\phi r}$-0.02 NP1:ϕ_s9.00000°,δ44.00000°,λ-106.00000°. NP2:ϕ_s211.00000° ,δ48.00000°,λ-75.00000°. M_o2.59000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.7km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.2km s-min=10.4km az=101.0.
(246) Southwestern Ryukyu Islands
ISC IX 17 11 02 04.5–.90 24.22N–.06 124.03E–.04 27–6 3.7b 20 0-49
JMA IX 17 11 02 04.2–.07 24.2N–.30 124.1E–.30 27–0 3.4 ¶621112954
IDC IX 17 11 02 09.3–9.6 24.40N 124.12E 75–106 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NEAR ISHIGAKIJIMA ISLAND.
IDC Error ellipse: s-maj=69.3km s-min=26.4km az=58.0.
(227) Eastern Honshu
ISC IX 17 12 59 38.0–.84 37.08N–.03 140.66E–.04 12–5 21 0-59
IDC IX 17 12 59 34.9–2.5 37.21N 140.92E 0 3.5s,3.4b ¶621112962
JMA IX 17 12 59 38.8–.03 37.1N–.10 140.6E–.20 5–0 3.2,3.4b
ISC Event type ke.
JMA Event type fe. EASTERN FUKUSHIMA PREF .
(327) Lake Baykal region
ISC IX 17 13 23 58.8–.31 55.38N–.02 111.63E–.02 10 4.2b,4.0s 236 1-149
IDC IX 17 13 23 56.8–.53 55.29N 111.62E 0 3.9L,3.9b ¶621081710
MOS IX 17 13 23 57.5–1.1 55.39N 111.55E 9 4.2b,3.9b
NEIC IX 17 13 23 59.6–.88 55.48N–.10 111.36E–.07 10–1 4.3b,3.9b
BYKL IX 17 13 23 59.6–.14 55.34N 111.56E 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=11.3km s-min=9.7km az=153.0.
MOS Event type fe. Error ellipse: s-maj=8.6km s-min=4.6km az=75.3. Felt (III-IV) at Kumora. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=6.1km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se.
(362) Western Caucasus
ISC IX 17 16 50 32.7–.77 44.69N–.04 37.41E–.02 32–5 3.1b 126 0-44
IDC IX 17 16 50 28.1–.80 44.82N 37.28E 0 3.4b,3.4 ¶621081719
CFUSG IX 17 16 50 31.8 44.69N 37.50E 34 3.1,3.1s
MOS IX 17 16 50 31.6 44.66N 37.47E 30–0 4.1,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=9.0km az=17.0.
MOS Event type se. #FELT I=II-III MSK at Novorossiysk.
(228) Near east coast of eastern Honshu
ISC IX 17 20 21 08.2–.92 38.18N–.05 141.66E–.07 52–7 4.2b 94 0-146
NEIC IX 17 20 21 07.8–2.4 38.17N–.07 141.8E–.10 46–2 4.4b ¶621082827
NIED IX 17 20 21 08.5 38.20N 141.63E 54 3.9W
IDC IX 17 20 21 08.1–2.1 38.17N 141.64E 53–19 4.0,3.7b
JMA IX 17 20 21 08.5–.08 38.2N–.20 141.6E–.40 54–0 4.5,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}8.39 $M_{\theta\theta}$-2.95 $M_{\phi\phi}$-5.44 $M_{r\theta}$0.60 $M_{\theta\phi}$-3.19 $M_{\phi r}$0.84 NP1:ϕ_s214.00000°,δ41.00000°,λ90.00000°. NP2:ϕ_s34.00000° ,δ49.00000°,λ90.00000°. M_o8.07000×10^{14}
JMA Event type fe. KINKAZAN REGION .
(222) East of Kuril Islands
ISC IX 18 11 17 26.5–1.1 50.62N–.06 159.30E–.05 66–9 4.3b 253 1-144
NEIC IX 18 11 17 19.6–.90 50.45N–.08 159.3E–.10 10–1 4.5b ¶621082899
KRSC IX 18 11 17 22.9–1.9 50.60N 159.50E 60–33 4.7L
MOS IX 18 11 17 23.9–.73 50.53N 159.27E 63 4.4b
IDC IX 18 11 17 28.8–2.0 50.70N 159.30E 84–16 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=12.8km az=245.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se. Felt at Severo-Kurilsk, Viluchinsk.
MOS Event type fe. Error ellipse: s-maj=10.2km s-min=3.2km az=91.7. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=15.5km s-min=12.9km az=161.0.
(228) Near east coast of eastern Honshu
ISC IX 18 23 07 48.9–.54 36.48N–.04 140.57E–.05 60–4 4.3b 263 0-126
MOS IX 18 23 07 45.3–.92 36.46N 140.80E 47 4.6b ¶621083000
JMA IX 18 23 07 48.8–.09 36.5N–.20 140.6E–.40 55–0 4.4,4.1
NIED IX 18 23 07 48.8 36.47N 140.61E 55 4.1W,4.1
GFZ IX 18 23 07 50.2–.27 37N–3.0 141E–4.0 75 5.6b,5.1
IDC IX 18 23 07 50.1–1.8 36.43N 140.53E 70–16 4.2,3.9b
NEIC IX 18 23 07 51.0–1.4 36.45N–.06 140.5E–.10 72–7 4.4b,3.9b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.00 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-1.17 $M_{r\theta}$0.62 $M_{\theta\phi}$-0.19 $M_{\phi r}$1.09 NP1:ϕ_s169.00000°,δ24.00000°,λ56.00000°. NP2:ϕ_s25.00000° ,δ70.00000°,λ104.00000°. M_o1.67000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(227) Eastern Honshu
ISC IX 19 08 18 33.2–.40 36.30N–.02 137.66E–.02 10–2 4.9s,4.8b 468 0-158
BGR IX 19 08 18 27.2 35.29N 140.98E 33 5.0b,4.9s ¶621083069
BJI IX 19 08 18 28.0 36.24N 138.03E 5 5.2s,5.1b
IDC IX 19 08 18 30.7–.40 36.31N 137.57E 0 4.6s,4.4b
JMA IX 19 08 18 30.4–.04 36.4N–.20 137.6E–.10 0 5.3,5.1W
NIED IX 19 08 18 30.4 36.35N 137.63E 0 5.1W,5.1W
MOS IX 19 08 18 31.5–1.3 36.26N 137.72E 15 4.9b,4.6s
NEIC IX 19 08 18 32.6–1.4 36.26N–.07 137.74E–.07 10–1 5.1,5.0b
GCMT IX 19 08 18 32.7–.10 36.35N–.01 137.61E–.01 12 5.2W,5.0b
GFZ IX 19 08 18 34.0–.20 36N–3.0 138E–4.0 10 5.4b,5.2
ISC Event type ke.
BGR Event type ke.
JMA Event type fe. HIDA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.95 $M_{r\theta}$2.32 $M_{\theta\phi}$-4.92 $M_{\phi r}$-1.41 NP1:ϕ_s187.00000°,δ66.00000°,λ8.00000°. NP2:ϕ_s94.00000° ,δ83.00000°,λ156.00000°. M_o5.60000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109190818A. Moment Tensor Solution. s93,c146; s136,c247;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.18±.10 $M_{\theta\theta}$-1.76±.11; $M_{\phi\phi}$1.94±.11; $M_{r\theta}$-2.25±.26; $M_{\theta\phi}$-7.01±.08; $M_{\phi r}$1.26±.26; Best double couple: NP1:ϕ_s8.00000° ,δ72.00000°,λ6.00000°. NP2:ϕ_s277.00000°,δ85.00000°,λ162.00000°. Principal axes: T 8.0310,Plg16.0000°,Azm231.0000°; N -0.7170,Plg72.0000°,Azm81.0000° ; P -7.3120,Plg9.0000°,Azm324.0000° M_o7.67100×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
(227) Eastern Honshu
JMA IX 19 08 19 25.4–.14 36.3N–.20 137.6E–.20 1–1 4.9,4.3
NIED IX 19 08 19 25.4 36.34N 137.62E 1 4.8W,4.3 ¶626498025
JMA Event type fe. HIDA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.29 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$0.46 $M_{r\theta}$0.90 $M_{\theta\phi}$-1.58 $M_{\phi r}$0.56 NP1:ϕ_s181.00000°,δ66.00000°,λ-19.00000°. NP2:ϕ_s279.00000° ,δ72.00000°,λ-154.00000°. M_o1.93000×10^{16}
(227) Eastern Honshu
JMA IX 19 08 26 37.6–.08 36.3N–.10 137.6E–.10 2–1 3.5
NIED IX 19 08 26 37.6 36.34N 137.62E 2 4.0W ¶626498057
JMA Event type fe. HIDA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.14 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.14 $M_{r\theta}$0.07 $M_{\theta\phi}$-1.10 $M_{\phi r}$-0.01 NP1:ϕ_s182.00000°,δ86.00000°,λ0.00000°. NP2:ϕ_s272.00000° ,δ90.00000°,λ-176.00000°. M_o1.10000×10^{15}
(227) Eastern Honshu
ISC IX 19 09 59 10.7–1.1 36.28N–.04 137.63E–.03 5–8 4.0s,3.8b 24 0-97
IDC IX 19 09 59 09.2–.72 36.28N 137.52E 0 3.9s,3.7b ¶626498698
NIED IX 19 09 59 10.1 36.30N 137.63E 3 4.6W,3.7b
JMA IX 19 09 59 10.1–.04 36.3N–.10 137.6E–.10 3–0 4.4,4.0
GCMT IX 19 09 59 12.0 36.50N 137.50E 10 4.8s,4.0
GCMT IX 19 09 59 14.9–.50 36.27N–.03 137.53E–.03 18–2 4.7W,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.27 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$-2.25 $M_{r\theta}$3.14 $M_{\theta\phi}$-7.18 $M_{\phi r}$1.89 NP1:ϕ_s177.00000°,δ60.00000°,λ9.00000°. NP2:ϕ_s83.00000° ,δ82.00000°,λ149.00000°. M_o7.95000×10^{15}
JMA Event type fe. HIDA MOUNTAINS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202109190959A. Moment Tensor Solution. s7,c9; s74,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.20±.07 $M_{\theta\theta}$-0.13±.06; $M_{\phi\phi}$-0.06±.06; $M_{r\theta}$0.05±.12; $M_{\theta\phi}$-1.21±.06; $M_{\phi r}$-0.04±.15; Best double couple: NP1:ϕ_s181.00000°,δ87.00000°,λ3.00000°. NP2:ϕ_s91.00000°,δ87.00000°,λ177.00000°. Principal axes: T 1.1150,Plg4.0000°,Azm46.0000°; N 0.1940,Plg86.0000°,Azm230.0000° ; P -1.3100,Plg0.0000°,Azm136.0000° M_o1.21300×10^{16}
(227) Eastern Honshu
ISC IX 19 10 04 17.9–1.0 36.26N–.03 137.63E–.03 8–7 4.1b,3.8s 72 0-93
IDC IX 19 10 04 17.0–.73 36.26N 137.60E 0 3.9s,3.8 ¶626498745
NEIC IX 19 10 04 17.7–1.0 36.28N–.04 137.64E–.06 6–4 4.2b,3.8
NIED IX 19 10 04 17.6 36.29N 137.63E 4 4.6W,3.8
JMA IX 19 10 04 17.6–.08 36.3N–.30 137.6E–.30 3–2 4.7,4.6W
GCMT IX 19 10 04 21.5–.40 36.29N–.02 137.61E–.02 17–1 4.7W,4.6W
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.19 $M_{\theta\theta}$2.21 $M_{\phi\phi}$-2.02 $M_{r\theta}$2.94 $M_{\theta\phi}$-8.72 $M_{\phi r}$2.88 NP1:ϕ_s171.00000°,δ72.00000°,λ-13.00000°. NP2:ϕ_s265.00000° ,δ78.00000°,λ-162.00000°. M_o9.80000×10^{15}
JMA Event type fe. HIDA MOUNTAINS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109191004A. Moment Tensor Solution. s9,c10; s82,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.23±.07 $M_{\theta\theta}$0.28±.05; $M_{\phi\phi}$-0.50±.06; $M_{r\theta}$0.19±.13; $M_{\theta\phi}$-1.18±.06; $M_{\phi r}$-0.09±.16; Best double couple: NP1:ϕ_s171.00000°,δ80.00000° ,λ8.00000°. NP2:ϕ_s80.00000°,δ82.00000°,λ170.00000°. Principal axes: T 1.1770,Plg12.0000°,Azm36.0000°; N 0.1810,Plg78.0000°,Azm222.0000° ; P -1.3580,Plg1.0000°,Azm126.0000° M_o1.26700×10^{16}
(227) Eastern Honshu
ISC IX 19 10 30 36.4–.79 36.33N–.06 137.64E–.04 11 3.4b 15 0-60
IDC IX 19 10 30 34.7–.93 36.36N 137.62E 0 3.4b,3.4 ¶626498999
JMA IX 19 10 30 34.4–.12 36.4N–.10 137.6E–.10 1–1 3.4,3.4
ISC Event type ke.
JMA Event type fe. HIDA MOUNTAINS REGION .
(235) Kyushu
JMA IX 19 14 14 30.0–.04 32.6N–.10 130.6E–.20 15–0 3.5
NIED IX 19 14 14 30.0 32.62N 130.63E 15 3.5W ¶621146117
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.06 $M_{\theta\theta}$1.96 $M_{\phi\phi}$-2.02 $M_{r\theta}$0.58 $M_{\theta\phi}$1.05 $M_{\phi r}$0.37 NP1:ϕ_s122.00000°,δ75.00000°,λ7.00000°. NP2:ϕ_s30.00000° ,δ83.00000°,λ165.00000°. M_o2.35000×10^{14}
(228) Near east coast of eastern Honshu
ISC IX 19 16 11 52.0–1.4 37.60N–.05 141.89E–.08 43–13 4.0b,3.5s 60 1-89
NEIC IX 19 16 11 51.7–1.0 37.59N–.07 142.1E–.10 35–2 4.4b,3.5s ¶621113630
IDC IX 19 16 11 53.7–2.2 37.66N 141.85E 54–20 3.8,3.5b
NIED IX 19 16 11 53.7 37.66N 141.68E 53 3.8W,3.5b
JMA IX 19 16 11 53.7–.05 37.7N–.10 141.7E–.20 53–0 4.1,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.82 $M_{\theta\theta}$-1.22 $M_{\phi\phi}$-4.60 $M_{r\theta}$-2.59 $M_{\theta\phi}$-1.97 $M_{\phi r}$-0.66 NP1:ϕ_s10.00000°,δ39.00000°,λ64.00000°. NP2:ϕ_s222.00000° ,δ56.00000°,λ109.00000°. M_o6.22000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
(254) Panay
ISC IX 19 20 49 10.7–1.3 11.05N–.02 122.12E–.03 9–8 3.6b,3.4s 117 0-90
IDC IX 19 20 49 08.0–.85 10.78N 122.23E 0 3.7b,3.7 ¶621113643
MAN IX 19 20 49 10.9 11.04N 122.10E 15 5.4b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=31.5km s-min=16.4km az=74.0.
MAN Event type fe. INTENSITY IV - VALDERRAMA ANTIQUE ; . INTENSITY III - BUGASONG ANTIQUE ; . INTENSITY II - BELISON AND SAN JOSE ANTIQUE.
(235) Kyushu
JMA IX 20 08 17 37.5–.07 31.6N–.10 129.7E–.30 9–0 3.5
NIED IX 20 08 17 37.5 31.57N 129.67E 9 3.4W ¶621146118
JMA Event type fe. SW OFF KYUSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.36 $M_{\theta\theta}$0.31 $M_{\phi\phi}$0.05 $M_{r\theta}$0.94 $M_{\theta\phi}$0.96 $M_{\phi r}$-1.26 NP1:ϕ_s258.00000°,δ45.00000°,λ-18.00000°. NP2:ϕ_s1.00000° ,δ77.00000°,λ-133.00000°. M_o1.68000×10^{14}
(254) Panay
MAN IX 20 19 10 58.5 11.04N 122.11E 15 5.2b,4.2s ¶626596713
MAN Event type fe. INTENSITY III - VALDERRAMA ANTIQUE.
(221) Kuril Islands
ISC IX 20 20 25 27.0–.18 46.33N–.02 152.47E–.02 40–1 6.0b,5.9s 2806 3-159
BJI IX 20 20 25 21.4 46.49N 152.52E 14 6.1s,6.0b ¶621086648
GFZ IX 20 20 25 23.8 46.37N 152.45E 38 6.1W,6.0b
MOS IX 20 20 25 23.5–.99 46.31N 152.54E 27 6.1b,5.9s
PTWC IX 20 20 25 23 46.30N 152.60E 10 6.5,5.9s
IPGP IX 20 20 25 25.0 46.41N 152.41E 39 6.1W,5.9s
NEIC IX 20 20 25 25.6 46.41N 152.41E 25 6.1W,5.9s
ISC-P IX 20 20 25 26 46.39N 152.49E 28–0 6.6,5.9s
NEIC IX 20 20 25 26.5–2.4 46.39N–.07 152.49E–.09 35–1 6.1b,6.1
SKHL IX 20 20 25 26.0–.60 46.10N 152.90E 61–4 6.5b,6.5
IDC IX 20 20 25 26.1–2.1 46.33N 152.47E 33–15 5.9L,5.8s
JMA IX 20 20 25 27.7–.81 46N–3.0 153E–5.0 30 6.6,6.2W
GFZ IX 20 20 25 27.1–.12 46N–1.0 152E–2.0 36–0 6.6L,6.4b
NEIC IX 20 20 25 29.3 46.40N 152.46E 60 6.6L,6.4b
GCMT IX 20 20 25 30.4–.00 46.23N 152.58E 41–0 6.2W,6.4b
BGR IX 20 20 25 30.8 46.04N 148.52E 33 6.0s,5.9b
NEIC IX 20 20 25 34.2 46.31N 152.70E 40 6.1,5.9b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.27 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-1.75 $M_{r\theta}$-0.67 $M_{\theta\phi}$0.83 $M_{\phi r}$-0.68 NP1: ϕ_s191.79937°,δ61.79566°,λ130.57389°. NP2:ϕ_s310.69461°,δ47.98057°,λ39.50636°. Principal axes: T 1.9298,Plg53.8539°,Azm153.0355°; N 0.1568,Plg34.9738°,Azm349.7658° ; P -2.0866,Plg7.9977°,Azm254.1254° M_o2.01281×10^{18}
MOS Error ellipse: s-maj=5.4km s-min=3.8km az=102.5. Moment Tensor Solution.
IPGP Moment Tensor Solution. NP1:ϕ_s191.00000°,δ56.00000°,λ126.00000°. NP2:ϕ_s319.00000° ,δ48.00000°,λ49.00000°.
NEIC Event type se.
ISC-P Moment Tensor Solution. s49 Moment tensor: Scale 10^{18}Nm; M_{rr}0.21±.09 $M_{\theta\theta}$0.47±.14; $M_{\phi\phi}$-0.68±.13; $M_{r\theta}$-0.19±.23; $M_{\theta\phi}$0.26±.17; $M_{\phi r}$-0.18±.12; NP1:ϕ_s231.20000°,δ58.20000° ,λ166.90000°. NP2:ϕ_s328.20000°,δ78.90000°,λ32.50000°. M_o9.89000×10^{18}
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.9km az=326.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.93 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.34 $M_{r\theta}$-0.39 $M_{\theta\phi}$0.81

$M_{\theta r}$-0.28 NP1:ϕ_s306.12000°,δ54.21000°,λ39.45000°. NP2:ϕ_s190.42000°,δ58.97000°,λ136.96000°. Principal axes: T 1.3102,Plg51.0000°,Azm156.0000°; N 0.3488,Plg39.0000°,Azm342.0000°; P -1.6590,Plg3.0000°,Azm249.0000° $M_0$1.52000×10^{18}

IDC Error ellipse: s-maj=11.2km s-min=8.1km az=143.0.
JMA Event type fe. KURILE ISLANDS REGION .
GFZ Error ellipse: s-maj=3.4km s-min=2.6km az=115.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109202025A. Moment Tensor Solution. s159,c390; s168,c657;Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}1.29±.01 $M_{\theta\theta}$0.95±.01; $M_{\phi\phi}$-2.25±.01; $M_{r\theta}$-1.02±.01; $M_{\theta\phi}$1.13±.01; $M_{\phi r}$-0.36±.01; Best double couple: NP1:ϕ_s307.00000°,δ60.00000°,λ35.00000°. NP2:ϕ_s198.00000°,δ61.00000°,λ145.00000°. Principal axes: T 2.3810,Plg45.0000°,Azm162.0000°; N 0.2190,Plg45.0000°,Azm343.0000°; P -2.6090,Plg1.0000°,Azm253.0000° $M_0$2.49500×10^{18}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 5s8 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.60 $M_{r\theta}$-0.92 $M_{\theta\phi}$0.62 $M_{\phi r}$-0.20 NP1:ϕ_s186.81000°,δ49.75000°,λ128.17000°. NP2:ϕ_s316.24000°,δ53.12000°,λ53.87000°. Principal axes: T 2.0213,Plg62.0000°,Azm164.0000°; N -0.2181,Plg28.0000°,Azm340.0000°; P -1.8032,Plg2.0000°,Azm71.0000° $M_0$1.92000×10^{18}

(245) Northeast of Taiwan

ISC	**IX**	**21 04 38 10.3–.62**	**24.94N–.06**	**124.88E–.04**	**83–5**	**4.1b**	**73**	**0-88**
NEIC	IX	21 04 38 08.8–1.8	24.90N–.09	124.94E–.02	65–8	4.4b		**¶621094762**
JMA	IX	21 04 38 10.9–.13	25N–1.0	124.8E–.50	68–1	4.0,3.8		
IDC	IX	21 04 38 14.4–3.2	25.21N	125.17E	120–37	3.9,3.6b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=2.5km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
IDC Error ellipse: s-maj=36.7km s-min=14.9km az=62.0.

(250) Mindoro

ISC	**IX**	**21 16 43 05.5–.37**	**13.25N–.02**	**120.52E–.03**	**53–3**	**5.0b,4.2s**	**589**	**0-151**
BJI	IX	21 16 42 59.5	13.04N	120.85E	35	4.9b,4.7b		**¶621094406**
GFZ	IX	21 16 43 02.8–.18	13N–2.0	121E–3.0	10	5.1b,5.0b		
MAN	IX	21 16 43 03.6	13.23N	120.45E	30	5.6b,4.9s		
DJA	IX	21 16 43 06.2–1.4	13N–2.0	121E–3.0	18–12	5.3,5.2b		
IDC	IX	21 16 43 07.0–.82	13.35N	120.77E	71–6	4.7,4.4b		
NEIC	IX	21 16 43 08.7–1.2	13.34N–.07	120.7E–.10	81–5	4.9b,4.4b		

ISC Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe. INTENSITY IV - ABRA DE ILOG MAMBURAO AND PALUAN OCCIDENTAL MINDORO; PUERTO GALERA ORIENTAL MINDORO ; . INTENSITY III - BATANGAS CITY CALACA MABINI MALVAR SAN PASCUAL AND TINGLOY BATANGAS ; . INTENSITY II - QUEZON CITY; BAUAN CITY OF LIPA NASUGBU AND SAN JOSE BATANGAS; CITY OF TAGAYTAY CAVITE ; . INTENSITY I - TALISAY BATANGAS.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(221) Kuril Islands

ISC	**IX**	**21 19 33 52.6–.47**	**43.48N–.04**	**146.24E–.04**	**72–3**	**4.4b**	**318**	**0-93**
NEIC	IX	21 19 33 52.8–1.6	43.56N–.07	146.2E–.10	75–7	4.5b		**¶621094744**
MOS	IX	21 19 33 52.0–1.1	43.47N	146.27E	62	4.4b		
NIED	IX	21 19 33 53.8	43.47N	146.24E	67	4.1W		
JMA	IX	21 19 33 53.8–.16	43.5N–.50	146.2E–.90	67–1	4.6,4.1		
SKHL	IX	21 19 33 54.0–.40	43.50N	146.30E	77–3	5.8b,4.1		
IDC	IX	21 19 33 55.1–2.0	43.66N	146.18E	87–15	4.1,3.8b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.2km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Error ellipse: s-maj=8.5km s-min=6.2km az=108.7. Felt (III-IV) at Goryachyy Plyazh, Yuzhno-Kuril'sk; (III) at Golovnino, Malokuril'skoye. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.68 $M_{r\theta}$-1.20 $M_{\theta\phi}$-0.50 $M_{\phi r}$-0.82 NP1:ϕ_s3.00000°,δ20.00000°,λ43.00000°. NP2:ϕ_s232.00000°,δ76.00000°,λ105.00000°. $M_0$1.69000×10^{15}
JMA Event type fe. NEAR KUNASHIRI ISLAND .
IDC Error ellipse: s-maj=16.4km s-min=13.1km az=156.0.

(328) East of Lake Baykal

ISC	**IX**	**22 17 01 27.9–.46**	**56.45N–.02**	**117.80E–.02**	**9–2**	**5.5b,4.9s**	**1110**	**1-152**
IDC	IX	22 17 01 25.9–.34	56.34N	117.63E	0	4.9b,4.9		**¶621105934**
MOS	IX	22 17 01 26.0–1.1	56.26N	117.69E	10	5.6b,4.9s		
BYKL	IX	22 17 01 26.6–.19	56.34N	117.73E		5.6b,4.9s		
NEIC	IX	22 17 01 27.9–1.5	56.41N–.07	117.8E–.10	10–1	5.5b,5.3		
BJI	IX	22 17 01 27.0	56.22N	118.04E	9	6.0L,5.9s		
GCMT	IX	22 17 01 27.5–.10	56.41N–.01	117.72E–.01	12	5.2W,5.9s		
BGR	IX	22 17 01 29.1	56.88N	118.30E	12	5.4b,4.9s		
GFZ	IX	22 17 01 29.5	56.46N	117.78E	19	5.2W,4.9s		
GFZ	IX	22 17 01 29.6–.21	56N–3.0	118E–3.0	10	5.5b,5.4		

ISC Event type ke.
MOS Event type fe. Felt (IV) at Novaya Chara, Taksimo; (III-IV) at Mamakan; (III) at Bodaibo, Verkhnyaya Khila; (II) at Chita. Moment Tensor Solution.
BYKL Event type se. FELT I=IV MSK at Novaya Chara, Taksimo; III-IV at Mamakan; III at Bodaybo, Verkhnyaya Khila; II at Chita 2 b.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221701A. Moment Tensor Solution. s83,c145; s134,c258;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.68±.11 $M_{\theta\theta}$2.24±.11; $M_{\phi\phi}$1.44±.12; $M_{r\theta}$-1.61±.29; $M_{\theta\phi}$7.77±.09; $M_{\phi r}$2.48±.29; Best double couple: NP1:ϕ_s86.00000°,δ65.00000°,λ-24.00000°. NP2:ϕ_s187.00000°,δ68.00000°,λ-152.00000°. Principal axes: T 9.6430,Plg2.0000°,Azm316.0000°; N -1.7090,Plg55.0000°,Azm222.0000°; P -7.9340,Plg34.0000°,Azm48.0000° $M_0$8.78900×10^{16}
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.40 $M_{\theta\theta}$3.15 $M_{\phi\phi}$0.25 $M_{r\theta}$-0.99 $M_{\theta\phi}$6.87 $M_{\phi r}$-0.75 NP1:ϕ_s276.05023°,δ86.88505°,λ5.03349°. NP2:ϕ_s185.77601°,δ84.97397°,λ176.87301°. Principal axes: T 8.8498,Plg5.7606°,Azm140.9815°; N -3.5252,Plg84.0827°,Azm307.7227°; P -5.3246,Plg1.3480°,Azm50.8454° $M_0$7.71678×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(250) Mindoro

ISC	**IX**	**22 19 47 07.1–.67**	**13.21N–.02**	**120.56E–.03**	**52–6**	**4.7b,3.8s**	**266**	**0-151**
MAN	IX	22 19 47 05.0	13.24N	120.44E	41	5.5b,4.7s		**¶621106352**
IDC	IX	22 19 47 07.8–1.2	13.36N	120.72E	63–10	4.4,4.1b		
GFZ	IX	22 19 47 09.8–.58	13N–3.0	121E–4.0	74–6	4.8b,4.8		
NEIC	IX	22 19 47 11.0–1.5	13.38N–.09	120.7E–.10	85–7	4.6b,4.8		
DJA	IX	22 19 47 27.7–1.4	14N–6.0	121E–5.0	312–23	5.6b,5.1		

ISC Event type fe.
MAN Event type fe. INTENSITY III - MAMBURAO PALUAN AND SANTA CRUZ OCCIDENTAL MINDORO ; . INTENSITY II - ABRA DE ILOG LUBANG AND SABLAYAN OCCIDENTAL MINDORO; POLA AND PUERTO GALERA ORIENTAL MINDORO ; . INTENSITY I - GLORIA ORIENTAL MINDORO.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(250) Mindoro

ISC	**IX**	**23 08 43 06.0–.56**	**13.21N–.02**	**120.54E–.03**	**47–5**	**4.5b,3.4s**	**137**	**0-120**
NEIC	IX	23 08 43 06.0–.93	13.41N–.07	121.0E–.10	42–7	4.5b,3.4s		**¶621125839**
IDC	IX	23 08 43 06.2–.70	13.15N	120.46E	40–6	4.3,4.0b		
MAN	IX	23 08 43 06.1	13.24N	120.42E	38	5.2b,4.2s		

ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.3km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.5km s-min=7.7km az=103.0.
MAN Event type fe. INTENSITY III - MAMBURAO OCCIDENTAL MINDORO ; . INTENSITY II - ABRA DE ILOG PALUAN AND SANTA CRUZ OCCIDENTAL MINDORO; CITY OF CALAPAN AND PUERTO GALERA ORIENTAL MINDORO ; . INTENSITY I - TINGLOY BATANGAS; GLORIA ORIENTAL MINDORO.

(328) East of Lake Baykal

ISC	**IX**	**23 17 05 26.9–.65**	**56.34N–.02**	**117.73E–.02**	**3–4**	**4.7b,4.5s**	**453**	**1-146**
MOS	IX	23 17 05 26.3–.91	56.32N	117.73E	8	4.8b,4.5s		**¶621108660**
IDC	IX	23 17 05 26.9–.43	56.35N	117.77E	0	5.3s,4.5L		
BYKL	IX	23 17 05 27.5–.17	56.33N	117.75E		5.3s,4.5L		
BJI	IX	23 17 05 27.3	56.30N	118.22E	8	5.2L,4.7s		
NEIC	IX	23 17 05 28.8–1.6	56.39N–.08	117.7E–.10	10–1	4.8b,4.7s		
GFZ	IX	23 17 05 29.9–.27	56N–5.0	118E–4.0	10	5.9b,5.8		

ISC Event type se.
MOS Event type fe. Felt (III-IV) at Novaya Chara. Moment Tensor Solution.
BYKL Event type se. FELT I=III-IV MSK at Novaya Chara.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	**IX**	**24 04 44 15.6–.95**	**38.16N–.05**	**141.74E–.08**	**57–6**	**4.1b**	**55**	**0-74**
NIED	IX	24 04 44 15.3	38.18N	141.70E	52	3.7W		**¶626506625**
NEIC	IX	24 04 44 15.8–1.0	38.15N–.06	141.8E–.20	63–10	4.5b		
JMA	IX	24 04 44 15.3–.08	38.2N–.20	141.7E–.40	52–0	3.6		
IDC	IX	24 04 44 17.1–1.4	38.14N	141.66E	70–8	3.9,3.7b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.06 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-2.56 $M_{r\theta}$1.20 $M_{\theta\phi}$-1.12 $M_{\phi r}$2.91 NP1:ϕ_s205.00000°,δ22.00000°,λ92.00000°. NP2:ϕ_s23.00000°,δ68.00000°,λ89.00000°. $M_0$4.39000×10^{14}
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=7.7km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=31.0km s-min=15.7km az=83.0.

(226) Near west coast of eastern Honshu

ISC	**IX**	**24 09 48 10.6–1.0**	**37.36N–.03**	**138.36E–.03**	**11–7**	**4.3b**	**89**	**0-92**
IDC	IX	24 09 48 08.5–.58	37.36N	138.34E	0	3.9b,3.9		**¶621126425**
NIED	IX	24 09 48 10.9	37.37N	138.40E	16	3.8W,3.9		
JMA	IX	24 09 48 10.9–.09	37.4N–.30	138.4E–.40	16–1	4.1,3.7		
NEIC	IX	24 09 48 11.0–1.0	37.34N–.03	138.28E–.04	10–1	4.5b,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.93 $M_{\theta\theta}$-2.58 $M_{\phi\phi}$-2.35 $M_{r\theta}$0.09 $M_{\theta\phi}$-2.54 $M_{\phi r}$-0.49 NP1:ϕ_s51.00000°,δ44.00000°,λ97.00000°. NP2:ϕ_s221.00000°,δ47.00000°,λ83.00000°. $M_0$5.00000×10^{14}
JMA Event type fe. OFF S NIIGATA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(250) Mindoro

ISC	**IX**	**24 10 54 19.6–.96**	**13.54N–.02**	**121.46E–.02**	**10–6**	**3.9b**	**83**	**0-78**
IDC	IX	24 10 54 18.4–1.3	13.62N	121.85E	0	3.8,3.7b		**¶621126430**
NEIC	IX	24 10 54 19.7–.65	13.67N–.06	121.9E–.10	10–1	4.1b,3.7b		
MAN	IX	24 10 54 21.7	13.56N	121.48E	12	5.0b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=57.4km s-min=19.4km az=59.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=8.3km az=251.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - LOBO AND SAN JUAN BATANGAS ; . INTENSITY II - PADRE GARCIA AND TAYSAN BATANGAS.

(227) Eastern Honshu

ISC	**IX**	**24 14 55 28.9–1.0**	**36.09N–.04**	**139.68E–.09**	**93–8**	**3.8b**	**22**	**0-60**
IDC	IX	24 14 55 13.1–1.7	36.71N	141.08E	0	4.0L,4.0		**¶621126446**
JMA	IX	24 14 55 29.7–.10	36.1N–.30	139.7E–.30	87–0	3.2,4.0		

ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .

(249) Luzon

ISC	**IX**	**24 22 08 01.4–.80**	**17.50N–.03**	**120.16E–.05**	**49–9**	**4.0b,2.9s**	**71**	**1-77**
IDC	IX	24 22 07 54.1–.96	17.42N	120.69E	0	3.8b,3.8		**¶621126467**
NEIC	IX	24 22 07 59.7–.89	17.20N–.08	120.5E–.10	39–7	4.2b,3.8		
MAN	IX	24 22 08 01.6	17.50N	120.13E	24	5.0b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=56.4km s-min=15.8km az=61.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=8.8km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - CAOAYAN SINAIT AND CITY OF VIGAN ILOCOS SUR ; . INTENSITY II - BANTAY SAN ILDEFONSO AND SAN JUAN ILOCOS SUR.

(228) Near east coast of eastern Honshu

ISC	**IX**	**25 14 09 51.2–1.7**	**39.11N–.05**	**142.5E–.20**	**20–9**	**3.6b**	**22**	**1-63**
IDC	IX	25 14 09 46.5–1.8	39.21N	142.87E	0	3.6b,3.5		**¶621131456**
JMA	IX	25 14 09 53.1–.05	39.1N–.20	142.4E–.20	32–0	3.5,3.5		

ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .

(235) Kyushu

ISC	**IX**	**25 21 46 36.8–.94**	**30.65N–.04**	**131.37E–.05**	**33–3**	**4.1b,3.2s**	**70**	**0-86**
IDC	IX	25 21 46 32.2–.74	30.68N	131.36E	0	3.9b,3.8		**¶621131470**
NIED	IX	25 21 46 37.0	30.64N	131.36E	32	4.0W,3.8		
NEIC	IX	25 21 46 37.9–1.5	30.68N–.09	131.3E–.10	38–8	4.5b,3.8		
JMA	IX	25 21 46 37.0–.15	30.6N–.40	131.4E–.90	32–1	3.6,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.13 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.39 $M_{r\theta}$-0.15 $M_{\theta\phi}$-0.16 $M_{\phi r}$1.14 NP1:ϕ_s237.00000°,δ13.00000°,λ156.00000°. NP2:ϕ_s351.00000°,δ85.00000°,λ78.00000°. $M_0$1.20000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR TANEGASHIMA ISLAND .

(257) Negros

ISC	**IX**	**26 05 30 06.1–.90**	**9.87N–.02**	**123.94E–.02**	**15–6**	**4.3b**	**110**	**0-75**
IDC	IX	26 05 30 04.3–.98	9.97N	124.19E	0	4.3L,4.0b		**¶621131490**
NEIC	IX	26 05 30 05.9–1.0	9.82N–.09	123.72E–.08	10–1	4.5b,4.0b		
MAN	IX	26 05 30 06.2	9.85N	123.99E	5	5.1b,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=59.5km s-min=14.2km az=64.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=6.4km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - BALILIHAN CALAPE CATIGBIAN CORTES SAN ISIDRO AND TUBIGON BOHOL ; . INTENSITY II - CARMEN INABANGA SAGBAYAN AND CITY OF TAGBILARAN BOHOL.

(224) Hokkaido region

ISC	**IX**	**26 16 36 13.7–.76**	**42.02N–.05**	**142.59E–.03**	**63–6**	**3.6b**	**55**	**0-70**
NIED	IX	26 16 36 13.6	42.04N	142.62E	63	3.7W		**¶621131521**
JMA	IX	26 16 36 13.6–.18	42.0N–.50	142.6E–.70	63–1	3.6		
IDC	IX	26 16 36 14.7–1.8	42.08N	142.63E	75–14	3.7,3.4b		
SKHL	IX	26 16 36 14.2–.20	42.00N	142.60E	64–3	4.6b,3.4b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.79 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$-2.65 $M_{r\theta}$1.15 $M_{\theta\phi}$-0.82 $M_{\phi r}$2.61 NP1:ϕ_s204.00000°,δ25.00000°,λ90.00000°. NP2:ϕ_s24.00000°,δ65.00000°,λ90.00000°. $M_0$4.43000×10^{14}
JMA Event type fe. S OFF URAKAWA .
IDC Error ellipse: s-maj=23.4km s-min=12.8km az=103.0.

(250) Mindoro

ISC	**IX**	**26 17 12 05.6–.21**	**13.85N–.02**	**120.49E–.02**	**96–1**	**5.6b**	**2106**	**0-177**
BGR	IX	26 17 11 57.3	13.63N	120.75E	33	5.5b,5.1s		**¶621110432**
BJI	IX	26 17 12 04.5	13.92N	120.74E	101	5.9b,5.7b		
PTWC	IX	26 17 12 04	13.80N	120.70E	76	5.7,5.7b		
MAN	IX	26 17 12 04.9	13.83N	120.40E	76	6.1b,5.7s		
NEIC	IX	26 17 12 05.2–2.5	13.89N–.07	120.51E–.08	83–1	5.7b,5.7		
NEIC	IX	26 17 12 06.3	13.93N	120.43E	89	5.7b,5.7		
GFZ	IX	26 17 12 06.2	13.86N	120.63E	98	5.6W,5.7		
GFZ	IX	26 17 12 06.2–.15	14N–1.0	121E–2.0	100–1	6.5,6.0b		

NEIC	IX	26 17 12 06.5	13.95N	120.40E	91	6.5,6.0b
DJA	IX	26 17 12 06.8–.30	14N–2.0	121E–2.0	118–4	5.8b,5.6b
GCMT	IX	26 17 12 07.3–.10	13.95N	120.36E	87–0	5.7W,5.6b
IDC	IX	26 17 12 07.6–1.1	13.86N	120.69E	116–9	5.5,5.2b
IPGP	IX	26 17 12 07.0	13.93N	120.54E	82	5.8W,5.2b
MOS	IX	26 17 12 08.2–.78	13.86N	120.69E	138	5.6b,4.9s
NEIC	IX	26 17 12 15	13.95N	120.61E	90	5.7,4.9s

ISC Event type fe.
BGR Event type ke.
MAN Event type fe. INTENSITY IV - CITY OF CALOOCAN; CITY OF LAS PINAS; CITY OF MALABON; CITY OF MANDALUYONG; CITY OF MANILA; CITY OF MARIKINA; CITY OF MUNTINLUPA; CITY OF PARANAQUE; PATEROS; CITY OF SAN JUAN; CITY OF TAGUIG; CITY OF MALOLOS AND OBANDO BULACAN; BALAYAN BAUAN CALATAGAN LEMERY LIAN CITY OF LIPA MABINI MALVAR MATAASNAKAHOY NASUGBU TAAL AND TUY BATANGAS; AMADEO CITY OF BACOOR CITY OF CAVITE CITY OF DASMARINAS CITY OF GENERAL TRIAS NAIC CITY OF TAGAYTAY AND TANZA CAVITE; CITY OF BINAN AND CITY OF CABUYAO LAGUNA; SAN MATEO AND TANAY RIZAL; ABRA DE ILOG LOOC LUBANG MAMBURAO RIZAL AND SABLAYAN OCCIDENTAL MINDORO; BACO CITY OF CALAPAN GLORIA NAUJAN POLA AND PUERTO GALERA ORIENTAL MINDORO ; . INTENSITY III - CITY OF MAKATI; QUEZON CITY; PASAY CITY; CITY OF PASIG; CITY OF VALENZUELA; FLORIDABLANCA PAMPANGA; CITY OF STO. TOMAS AND TINGLOY BATANGAS; CITY OF ANTIPOLO RIZAL; BOAC MARINDUQUE; SANTA CRUZ OCCIDENTAL MINDORO; BANSUD AND SOCORRO ORIENTAL MINDORO; . INTENSITY II - CITY OF GAPAN AND CITY OF PALAYAN NUEVA ECIJA; LOS BANOS LAGUNA ; . INTENSITY I - ARAYAT PAMPANGA.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.1km az=251.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.70 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-3.87 $M_{r\theta}$1.98 $M_{\theta\phi}$1.54 $M_{\phi r}$1.53 NP1:ϕ_s16.26000°,δ63.14000°,λ132.16000°. NP2:ϕ_s132.78000°,δ48.60000°,λ37.04000°. Principal axes: T 4.6008,Plg52.0000°,Azm337.0000°; N -0.1554,Plg37.0000°,Azm174.0000°; P -4.4454,Plg9.0000°,Azm78.0000° M_o4.53000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.95 $M_{\theta\theta}$0.10 $M_{\phi\phi}$-1.05 $M_{r\theta}$1.72 $M_{\theta\phi}$2.17 $M_{\phi r}$1.49 NP1:ϕ_s105.55398°,δ60.54747°,λ28.53483°. NP2:ϕ_s0.58550°,δ65.42037°,λ147.26882°. Principal axes: T 3.6728,Plg39.9271°,Azm321.4511°; N -0.9461,Plg49.9060°,Azm147.6768°; P -2.7267,Plg3.0702°,Azm54.0240° M_o3.30301×10^{17}
GFZ Error ellipse: s-maj=4.3km s-min=2.8km az=86.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109261712A. Moment Tensor Solution. s149,c299; s160,c375;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.68±.04 $M_{\theta\theta}$1.85±.04; $M_{\phi\phi}$-3.53±.04; $M_{r\theta}$2.46±.03; $M_{\theta\phi}$2.73±.04; $M_{\phi r}$1.75±.03; Best double couple: NP1:ϕ_s120.00000°,δ58.00000°,λ25.00000°. NP2:ϕ_s16.00000°,δ69.00000°,λ145.00000°. Principal axes: T 5.3710,Plg39.0000°,Azm334.0000°; N -0.6150,Plg50.0000°,Azm169.0000°; P -4.7560,Plg7.0000°,Azm70.0000° M_o5.06300×10^{17}
IDC Error ellipse: s-maj=11.4km s-min=6.3km az=75.0.
IPGP Moment Tensor Solution. NP1:ϕ_s14.00000°,δ70.00000°,λ144.00000°. NP2:ϕ_s118.00000°,δ56.00000°,λ24.00000°.
MOS Error ellipse: s-maj=6.2km s-min=3.7km az=110.3.
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.60 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-2.40 $M_{r\theta}$2.13 $M_{\theta\phi}$2.57 $M_{\phi r}$1.60 NP1:ϕ_s114.56000°,δ55.26000°,λ39.88000°. NP2:ϕ_s359.10000°,δ58.20000°,λ137.90000°. Principal axes: T 4.7705,Plg51.0000°,Azm325.0000°; N -0.6715,Plg39.0000°,Azm149.0000°; P -4.0990,Plg2.0000°,Azm57.0000° M_o4.47000×10^{17}

(233) Near south coast of western Honshu

ISC	**IX**	**26 17 31 10.7–.67**	**34.11N–.04**	**135.07E–.03**	**11**	**3.5b**	**24**	**0-57**
IDC	IX	26 17 31 09.2–.89	34.02N	135.10E	0	3.6b,3.6		**¶621131525**
JMA	IX	26 17 31 09.8–.08	34.1N–.30	135.0E–.30	12–1	3.3,3.6		

ISC Event type ke.
JMA Event type fe. NW WAKAYAMA PREF .

(250) Mindoro

ISC	**IX**	**26 17 40 50.4–.59**	**13.83N–.03**	**120.36E–.04**	**86–5**	**4.4b**	**159**	**0-87**
MAN	IX	26 17 40 49.8	13.83N	120.41E	75	5.3b,4.4s		**¶621110434**
IDC	IX	26 17 40 50.6–.62	13.81N	120.75E	106–7	4.2,3.9b		
NEIC	IX	26 17 40 51.6–1.6	13.87N–.08	120.7E–.10	104–8	4.4b,3.9b		

ISC Event type fe.
MAN Event type fe. INTENSITY II - LOOC AND LUBANG OCCIDENTAL MINDORO ; . INTENSITY I - BALAYAN BAUAN CALACA NASUGBU TAAL AND TINGLOY BATANGAS; CITY OF TAGAYTAY CAVITE; CITY OF BINAN LAGUNA; ABRA DE ILOG OCCIDENTAL MINDORO; BACO AND PUERTO GALERA ORIENTAL MINDORO.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(227) Eastern Honshu

ISC	**IX**	**27 10 54 29.7–.75**	**36.25N–.05**	**137.65E–.03**	**11**	**3.6b,3.6s**	**22**	**0-77**
NIED	IX	27 10 54 27.5	36.27N	137.63E	4	4.4W,3.6s		**¶621140705**
JMA	IX	27 10 54 27.5–.04	36.3N–.20	137.6E–.20	4–1	4.3,3.8		
IDC	IX	27 10 54 27.8–.92	36.30N	137.60E	0	3.6,3.6s		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.14 $M_{\theta\theta}$1.15 $M_{\phi\phi}$-1.01 $M_{r\theta}$1.32 $M_{\theta\phi}$-3.38 $M_{\phi r}$1.23 NP1:ϕ_s169.00000°,δ69.00000°,λ-13.00000°. NP2:ϕ_s263.00000°,δ78.00000°,λ-159.00000°. M_o3.96000×10^{15}
JMA Event type fe. HIDA MOUNTAINS REGION .
IDC Error ellipse: s-maj=17.0km s-min=11.7km az=155.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**27 10 58 48.6–.92**	**38.58N–.06**	**142.02E–.06**	**49–7**	**4.1b**	**80**	**0-147**
MOS	IX	27 10 58 47.3–1.1	38.60N	142.11E	59	4.7b		**¶621140706**
NIED	IX	27 10 58 49.2	38.62N	141.90E	48	4.1W		
NEIC	IX	27 10 58 49.8–2.1	38.60N–.08	142.1E–.10	59–6	4.6b		
JMA	IX	27 10 58 49.2–.07	38.6N–.20	141.9E–.20	48–0	4.1,4.0		
IDC	IX	27 10 58 50.3–2.2	38.59N	142.01E	65–19	4.0,3.7b		

ISC Event type ke.
MOS Error ellipse: s-maj=11.8km s-min=6.9km az=87.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.88 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-0.76 $M_{r\theta}$0.36 $M_{\theta\phi}$-0.28 $M_{\phi r}$1.02 NP1:ϕ_s201.00000°,δ19.00000°,λ91.00000°. NP2:ϕ_s20.00000°,δ71.00000°,λ90.00000°. M_o1.39000×10^{15}
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.3km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=17.9km s-min=14.3km az=101.0.

(227) Eastern Honshu

ISC	**IX**	**27 11 25 16.4–.72**	**36.18N–.06**	**137.67E–.03**	**10**	**3.5b**	**20**	**0-66**
IDC	IX	27 11 25 14.2–1.3	36.08N	137.71E	0	3.7s,3.5b		**¶626510186**
NIED	IX	27 11 25 15.7	36.27N	137.63E	4	4.3W,3.5b		
JMA	IX	27 11 25 15.7–.03	36.3N–.10	137.6E–.10	4–0	3.7,3.5b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.06 $M_{\theta\theta}$1.52 $M_{\phi\phi}$-1.46 $M_{r\theta}$0.98 $M_{\theta\phi}$-2.37 $M_{\phi r}$0.80 NP1:ϕ_s162.00000°,δ68.00000°,λ-8.00000°. NP2:ϕ_s255.00000°,δ83.00000°,λ-158.00000°. M_o3.06000×10^{15}
JMA Event type fe. HIDA MOUNTAINS REGION .

(228) Near east coast of eastern Honshu

ISC	**IX**	**27 11 26 38.2–.37**	**36.66N–.03**	**141.16E–.04**	**55–2**	**4.8b,3.8s**	**585**	**0-158**
IDC	IX	27 11 26 30.9–.42	36.66N	141.15E	0	4.6b,4.6		**¶626510199**
BJI	IX	27 11 26 36.3	36.64N	141.14E	55	4.8b,4.8b		
MOS	IX	27 11 26 36.2–.90	36.86N	141.13E	39	5.0b,4.8b		
NIED	IX	27 11 26 38.4	36.65N	141.11E	50	4.7W,4.8b		
NEIC	IX	27 11 26 38.3–1.0	36.71N–.08	141.2E–.10	50–6	4.9b,4.6		
NEIC	IX	27 11 26 38.1	36.67N	141.18E	49	4.9b,4.6		
JMA	IX	27 11 26 38.4–.08	36.7N–.20	141.1E–.20	50–0	4.8,4.7W		
GFZ	IX	27 11 26 39.4–.16	37N–3.0	141E–3.0	56	5.5b,5.0		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.15 $M_{\phi r}$-0.05 NP1:ϕ_s21.00000°,δ46.00000°,λ108.00000°. NP2:ϕ_s175.00000°,δ47.00000°,λ72.00000°. M_o1.26000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.25 $M_{\theta\theta}$1.85 $M_{\phi\phi}$-9.10 $M_{r\theta}$3.13 $M_{\theta\phi}$-1.05 $M_{\phi r}$-1.50 NP1:ϕ_s28.70000°,δ46.16000°,λ125.90000°. NP2:ϕ_s162.44000°,δ54.25000°,λ58.59000°. Principal axes: T 8.8691,Plg65.0000°,Azm13.0000°; N 0.4233,Plg25.0000°,Azm182.0000°; P -9.2923,Plg4.0000°,Azm274.0000° M_o9.09000×10^{15}
NEIC Event type se.
JMA Event type fe. E OFF IBARAKI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(228) Near east coast of eastern Honshu

ISC	**IX**	**27 15 30 39.5–.84**	**38.15N–.05**	**141.85E–.08**	**60–6**	**4.2b,2.6s**	**72**	**0-73**
NEIC	IX	27 15 30 39.1–1.1	38.13N–.06	141.9E–.10	57–9	4.3b,2.6s		**¶621140726**
JMA	IX	27 15 30 39.4–.08	38.2N–.20	141.7E–.40	52–0	3.8,2.6s		
NIED	IX	27 15 30 39.4	38.17N	141.69E	52	3.8W,2.6s		
IDC	IX	27 15 30 40.6–1.1	38.25N	141.99E	70–6	3.9,3.6b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=7.7km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.70 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-3.57 $M_{r\theta}$1.88 $M_{\theta\phi}$-1.24 $M_{\phi r}$3.92 NP1:ϕ_s191.00000°,δ21.00000°,λ78.00000°. NP2:ϕ_s24.00000°,δ69.00000°,λ95.00000°. M_o5.80000×10^{14}
IDC Error ellipse: s-maj=24.4km s-min=13.6km az=89.0.

(327) Lake Baykal region

ISC	**IX**	**28 00 50 25.2–.73**	**51.67N–.02**	**106.24E–.02**	**21–1**		**95**	**0-40**
MOS	IX	28 00 50 23.5–2.0	51.55N	106.28E	21	4.1b		**¶621111199**
BYKL	IX	28 00 50 24.2–.13	51.64N	106.30E	25–2	4.1b		

ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=7.8km s-min=6.1km az=76.5. Felt (III-IV) at Babushkin. Moment Tensor Solution.
BYKL Event type se. FELT I=III-IV MSK at Babushkin.

(259) Mindanao

ISC	**IX**	**28 15 08 53.3–1.2**	**6.31N–.03**	**124.95E–.03**	**6–9**	**3.8b**	**49**	**0-59**
MAN	IX	28 15 08 52.3	6.22N	124.85E	4	5.2b,4.3s		**¶621140835**
IDC	IX	28 15 08 53.4–1.9	5.55N	123.81E	0	3.6b,3.6		

ISC Event type fe.
MAN Event type fe. INTENSITY III - LAKE SEBU AND T"BOLI SOUTH COTABATO ; . INTENSITY II - BANGA AND SURALLAH SOUTH COTABATO ; . INTENSITY I - CITY OF KORONADAL SOUTH COTABATO.
IDC Error ellipse: s-maj=230.7km s-min=23.3km az=64.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**29 03 26 42.2–.68**	**36.43N–.04**	**140.71E–.05**	**55–5**	**4.3b**	**106**	**0-147**
NIED	IX	29 03 26 42.5	36.43N	140.65E	54	4.1W		**¶621146119**
NEIC	IX	29 03 26 42.7–.62	36.46N–.06	140.69E–.09	58–6	4.5b		
JMA	IX	29 03 26 42.5–.09	36.4N–.20	140.7E–.50	54–0	4.3,4.2		
IDC	IX	29 03 26 43.4–1.6	36.40N	140.72E	66–14	4.2,3.8b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.03 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-1.04 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.00 NP1:ϕ_s214.00000°,δ25.00000°,λ107.00000°. NP2:ϕ_s16.00000°,δ66.00000°,λ82.00000°. M_o1.56000×10^{15}
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.5km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NORTHERN IBARAKI PREF .
IDC Error ellipse: s-maj=14.8km s-min=8.5km az=67.0.

(716) Kyrgyzstan

ISC	**IX**	**29 07 46 12.4–.74**	**41.10N–.02**	**73.17E–.02**	**16–5**	**4.3b,3.2s**	**343**	**0-86**
IDC	IX	29 07 46 08.8–.73	40.99N	73.33E	0	4.1b,4.1		**¶621112445**
NEIC	IX	29 07 46 11.7–2.6	41.09N–.05	73.24E–.07	10–1	4.5b,4.1		
KRNET	IX	29 07 46 12.1–.10	41.14N	73.27E	23	4.9b,4.1		
NNC	IX	29 07 46 12.7–1.1	41.12N	73.33E	0	4.9b,4.7		
SOME	IX	29 07 46 13.4	41.28N	73.30E	5	3.8s,4.7		
ISU	IX	29 07 46 13	41.09N	73.31E	11	3.8s,4.7		
KNET	IX	29 07 46 14.4–.51	41.27N	73.27E	11–3	4.3L,4.7		
MOS	IX	29 07 46 14.7–.90	41.11N	73.19E	31	4.5b,4.7		

ISC Event type se.
IDC Error ellipse: s-maj=12.8km s-min=9.1km az=133.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.1km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=10.3km s-min=3.5km az=175.0.
KNET Error ellipse: s-maj=4.7km s-min=3.6km az=123.0.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=4.1km az=70.6. Felt (III-IV) at Khunabad; (III) at Kurgantepa; (II-III) at Dzhalakuduk; (II) at Andizhan, Khodzhaabad. Moment Tensor Solution.

(660) Sea of Japan

ISC	**IX**	**29 08 37 05.5–.18**	**38.87N–.02**	**135.42E–.02**	**369–1**	**5.8b**	**2872**	**2-170**
BJI	IX	29 08 37 03.0	38.90N	135.55E	370	6.2b,6.2b		**¶626513349**
JMA	IX	29 08 37 04.6–.19	38.8N–.90	136E–1.0	394–2	6.2W,6.1		
MOS	IX	29 08 37 04.6–.82	38.90N	135.47E	380	6.2b,5.2s		
NIED	IX	29 08 37 04.6	38.80N	135.65E	394	6.2W,5.2s		
GFZ	IX	29 08 37 05.6–.20	39N–2.0	135E–2.0	366–2	6.1b,6.0b		
IDC	IX	29 08 37 05.6–.34	38.86N	135.38E	368–3	6.2,5.5b		
GFZ	IX	29 08 37 05.6	38.75N	135.59E	365	6.1W,5.5b		
NEIC	IX	29 08 37 05.6–1.7	38.89N–.06	135.45E–.08	364–1	6.2,5.8b		
NEIC	IX	29 08 37 05.3	38.92N	135.40E	360	6.2,5.8b		
NEIC	IX	29 08 37 05.3	38.92N	135.40E	360	6.2,5.8b		
PTWC	IX	29 08 37 05	38.80N	135.60E	401	5.8,5.8b		
IPGP	IX	29 08 37 05.0	38.87N	135.46E	370	6.2W,5.8b		
GCMT	IX	29 08 37 08.1–.10	38.91N–.01	135.22E–.01	371–0	6.2W,5.8b		
BGR	IX	29 08 37 09.3	39.45N	135.60E	362	6.9,6.7b		
NEIC	IX	29 08 37 11.9	38.92N	135.40E	360	6.1,6.7b		

ISC Event type ke.
JMA Event type fe. SEA OF JAPAN .
MOS Error ellipse: s-maj=5.9km s-min=4.3km az=104.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.89 $M_{\theta\theta}$0.20 $M_{\phi\phi}$0.69 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.82 $M_{\phi r}$-1.58 NP1:ϕ_s243.00000°,δ21.00000°,λ-47.00000°. NP2:ϕ_s18.00000°,δ75.00000°,λ-105.00000°. M_o2.00000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=5.8km s-min=4.8km az=76.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.21 $M_{\phi\phi}$0.45 $M_{r\theta}$-0.56 $M_{\theta\phi}$0.65 $M_{\phi r}$-1.72 NP1:ϕ_s247.84144°,δ16.60710°,λ-42.45603°. NP2:ϕ_s19.08432°,δ78.87637°,λ-102.40993°. Principal axes: T 2.0930,Plg32.7648°,Azm119.4955°; N -0.1738,Plg12.1732°,Azm21.5152°; P -1.9192,Plg54.4917°,Azm273.9175° M_o2.01171×10^{18}
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.8km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.86 $M_{\theta\theta}$0.44 $M_{\phi\phi}$0.42 $M_{r\theta}$-0.93 $M_{\theta\phi}$0.46 $M_{\phi r}$-2.15 NP1:ϕ_s241.93000°,δ11.96000°,λ-53.71000°. NP2:ϕ_s25.04000°,δ80.38000°,λ-97.15000°. Principal axes: T 2.4532,Plg35.0000°,Azm121.0000°; N 0.0906,Plg7.0000°,Azm26.0000°; P -2.5438,Plg54.0000°,Azm286.0000° M_o2.50000×10^{18}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s262.00000°,δ14.00000°,λ-31.00000°. NP2:ϕ_s21.00000°,δ83.00000°,λ-102.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202109290837B. Moment Tensor Solution. s159,c397; s139,c220;Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.65±.01 $M_{\theta\theta}$0.26±.01; $M_{\phi\phi}$0.38±.01; $M_{r\theta}$-0.64±.01; $M_{\theta\phi}$0.65±.01; $M_{\phi r}$-1.92±.01; Best double couple: NP1:ϕ_s252.00000°,δ15.00000°,λ-39.00000°. NP2:ϕ_s20.00000°,δ80.00000°,λ-102.00000°. Principal axes: T 2.2670,Plg34.0000°,Azm120.0000°; N -0.1400,Plg12.0000°,Azm22.0000°; P -2.1270,Plg53.0000°,Azm275.0000° M_o2.19700×10^{18}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 5s1.0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.59 $M_{\theta\theta}$0.20 $M_{\phi\phi}$0.39 $M_{r\theta}$-0.62 $M_{\theta\phi}$0.43 $M_{\phi r}$-1.69 NP1:ϕ_s240.72000°,δ12.30000°,λ-51.02000°. NP2:ϕ_s21.09000°,δ80.47000°,λ-97.81000°. Principal axes: T 1.9543,Plg35.0000°,Azm118.0000°; N -0.0669,Plg8.0000°,Azm22.0000°; P -1.8873,Plg54.0000°,Azm282.0000° M_o1.92000×10^{18}

(259) Mindanao

ISC	**IX**	**29 09 27 16.3–1.3**	**6.25N–.04**	**124.86E–.04**	**6–9**	**3.6b**	**36**	**0-54**

IDC IX 29 09 27 13.1–1.8 6.96N 126.88E 0 3.6b,3.6 ¶621146364
MAN IX 29 09 27 14.5 6.13N 124.84E 11 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=20.7km az=35.0.
MAN Event type fe. INTENSITY III - T"BOLI SOUTH COTABATO ; . INTENSITY II - TUPI SOUTH COTABATO ; . INTENSITY I - LAKE SEBU SOUTH COTABATO.

(238) Ryukyu Islands

ISC IX 29 10 53 39.3–.72 27.83N–.04 129.01E–.05 48–6 4.0b 73 0-91
NIED IX 29 10 53 39.3 27.90N 128.95E 45 4.3W ¶621146120
NEIC IX 29 10 53 40.0–1.1 27.83N–.05 128.95E–.06 50–9 4.5b
JMA IX 29 10 53 39.3–.07 27.9N–.60 129.0E–.90 45–0 3.9,3.8
IDC IX 29 10 53 40.7–.94 27.84N 128.85E 62–10 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.18 $M_{\theta\theta}$0.30 $M_{\phi\phi}$-2.48 $M_{r\theta}$-1.10 $M_{\theta\phi}$-0.27 $M_{\phi r}$-1.78 NP1:ϕ_s347.00000°,δ28.00000°,λ58.00000°. NP2:ϕ_s203.00000°,δ67.00000°,λ106.00000°. M_o3.15000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=7.7km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=17.9km s-min=9.4km az=106.0.

(715) Tajikistan

ISC IX 29 12 41 26.0–.70 40.04N–.02 71.70E–.02 30–5 4.3b,3.2s 313 0-151
IDC IX 29 12 41 21.5–.73 40.00N 71.82E 0 4.0,3.9b ¶621112994
MOS IX 29 12 41 26.6–.89 40.11N 71.72E 37 4.5b,3.9b
KRNET IX 29 12 41 26.4–.10 40.12N 71.74E 30 4.4b,3.9b
NEIC IX 29 12 41 27.6–1.6 40.03N–.05 71.71E–.06 44–7 4.5b,3.9b
SOME IX 29 12 41 27.5 40.23N 71.85E 10 3.6s,3.9b
ISU IX 29 12 41 27 40.15N 71.80E 15 3.6s,3.9b
NNC IX 29 12 41 30.0–2.8 40.30N 71.89E 34–20 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=10.2km az=148.0.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=4.4km az=67.1. Felt (III-IV) at Kuvasay, Ferghana; (III) at Margilan. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.4km az=220.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=23.7km s-min=8.0km az=8.0.

(227) Eastern Honshu

ISC IX 29 14 39 47.1–.94 35.33N–.04 138.86E–.05 14–7 3.4b,2.9s 17 0-59
IDC IX 29 14 39 44.9–1.2 35.43N 139.31E 0 3.4b,3.4 ¶621146121
NIED IX 29 14 39 47.4 35.32N 138.83E 6 3.8W,3.4
JMA IX 29 14 39 47.4–.05 35.3N–.20 138.8E–.20 6–0 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.86 $M_{\theta\theta}$-2.84 $M_{\phi\phi}$0.98 $M_{r\theta}$0.07 $M_{\theta\phi}$-5.23 $M_{\phi r}$0.38 NP1:ϕ_s280.00000°,δ85.00000°,λ177.00000°. NP2:ϕ_s10.00000°,δ87.00000°,λ5.00000°. M_o5.58000×10^{14}
JMA Event type fe. MT. FUJI REGION .

(259) Mindanao

ISC IX 29 15 48 56.1–.61 5.55N–.03 124.95E–.03 59–6 4.6b,3.8s 334 1-152
BJI IX 29 15 48 52.6 5.48N 124.92E 34 5.1b,4.5b ¶621113001
NEIC IX 29 15 48 54.8–2.5 5.55N–.03 124.79E–.07 35–2 4.8b,4.5b
GFZ IX 29 15 48 55.7–.17 6N–2.0 125E–3.0 58 5.3b,5.1L
DJA IX 29 15 48 56.2–.40 6N–4.0 125E–2.0 52–10 5.5b,5.3
MAN IX 29 15 48 56.9 5.83N 125.02E 17 5.3b,4.4s
GCMT IX 29 15 48 57.5–.30 5.62N–.02 124.83E–.03 32–1 4.9W,4.4s
IDC IX 29 15 48 58.1–1.1 5.69N 125.11E 77–10 4.3,4.0b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=3.4km az=287.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe. INTENSITY III - KIAMBA SARANGANI ; . INTENSITY II - JOSE ABAD SANTOS DAVAO OCCIDENTAL; GLAN MAASIM AND MALAPATAN SARANGANI; CITY OF GENERAL SANTOS ; . INTENSITY I - TAMPAKAN SOUTH COTABATO.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109291549A. Moment Tensor Solution. s20,c20; s90,c116; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.37±.19 $M_{\theta\theta}$-2.06±.13; $M_{\phi\phi}$1.69±.14; $M_{r\theta}$0.15±.15; $M_{\theta\phi}$1.59±.08; $M_{\phi r}$1.28±.20; Best double couple: NP1:ϕ_s68.00000°,δ67.00000°,λ15.00000°. NP2:ϕ_s332.00000°,δ76.00000°,λ156.00000°. Principal axes:
T 2.8980,Plg26.0000°,Azm289.0000°; N -0.2230,Plg63.0000°,Azm124.0000°
; P -2.6760,Plg6.0000°,Azm22.0000° M_o2.78700×10^{16}
IDC Error ellipse: s-maj=16.6km s-min=8.4km az=81.0.

(228) Near east coast of eastern Honshu

ISC IX 29 16 26 22.2–.83 35.84N–.04 140.54E–.09 35 3.5b 25 0-60
IDC IX 29 16 26 17.0–.96 35.80N 140.53E 0 3.5b,3.5 ¶621146122
NIED IX 29 16 26 22.0 35.86N 140.54E 37 3.6W,3.5
JMA IX 29 16 26 22.0–.11 35.9N–.30 140.5E–.40 37–1 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.44 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$0.58 $M_{r\theta}$2.06 $M_{\theta\phi}$-1.49 $M_{\phi r}$2.00 NP1:ϕ_s286.00000°,δ22.00000°,λ157.00000°. NP2:ϕ_s37.00000°,δ82.00000°,λ70.00000°. M_o3.18000×10^{14}
JMA Event type fe. SOUTHERN IBARAKI PREF .

(227) Eastern Honshu

ISC IX 30 02 18 59.2–1.1 37.05N–.07 140.81E–.07 100–7 3.5b 26 0-57
JMA IX 30 02 18 59.5–.11 37.1N–.30 140.8E–.60 99–0 3.5 ¶621147735
IDC IX 30 02 19 03.8–5.8 36.80N 140.34E 127–39 3.4,3.0b
ISC Event type ke.
JMA Event type fe. EASTERN FUKUSHIMA PREF .
IDC Error ellipse: s-maj=70.1km s-min=26.6km az=67.0.

(228) Near east coast of eastern Honshu

ISC IX 30 03 52 23.2–.98 40.87N–.04 142.33E–.04 49–9 4.2b 122 1-144
MOS IX 30 03 52 21.6–.84 40.90N 142.36E 59 4.6b ¶621113158
NIED IX 30 03 52 22.9 40.89N 142.31E 51 3.9W
JMA IX 30 03 52 22.9–.10 40.9N–.30 142.3E–.40 51–0 4.2,4.1
NEIC IX 30 03 52 24.7–1.4 41.01N–.07 142.14E–.08 53–4 4.4b,4.1
IDC IX 30 03 52 24.5–1.9 40.84N 142.23E 67–15 4.0,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=10.5km s-min=6.8km az=84.7.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.84 $M_{\theta\theta}$6.45 $M_{\phi\phi}$-4.61 $M_{r\theta}$-3.14 $M_{\theta\phi}$-5.57 $M_{\phi r}$-2.48 NP1:ϕ_s335.00000°,δ63.00000°,λ-13.00000°. NP2:ϕ_s71.00000°,δ79.00000°,λ-152.00000°. M_o8.95000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=143.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=12.1km az=110.0.

(238) Ryukyu Islands

ISC IX 30 05 16 25.2–.89 27.90N–.10 129.0E–.10 48–8 3.8b 16 0-72
IDC IX 30 05 16 16.7–1.1 28.18N 129.68E 0 3.7b,3.7 ¶621147742
JMA IX 30 05 16 25.7–.06 27.9N–.60 129.0E–.90 45–0 3.5,3.7
ISC Event type ke.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.

(228) Near east coast of eastern Honshu

ISC IX 30 08 45 29.9–.44 38.40N–.04 142.16E–.04 64–3 4.6b 307 1-144
MOS IX 30 08 45 29.0–.83 38.63N 141.94E 58 4.8b ¶621113172
BJI IX 30 08 45 29.6 38.50N 142.00E 62 5.1b,4.6s
NIED IX 30 08 45 30.4 38.43N 141.96E 61 4.4W,4.6s
IDC IX 30 08 45 30.5–.57 38.45N 141.92E 63–4 4.4,4.1b
JMA IX 30 08 45 30.4–.07 38.4N–.20 142.0E–.20 61–0 4.9,4.5
NEIC IX 30 08 45 31.2–1.2 38.51N–.05 142.0E–.10 68–6 4.6b,4.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.35 $M_{\theta\theta}$-2.91 $M_{\phi\phi}$-0.44 $M_{r\theta}$1.89 $M_{\theta\phi}$0.15 $M_{\phi r}$-0.95 NP1:ϕ_s265.00000°,δ30.00000°,λ73.00000°. NP2:ϕ_s105.00000°,δ62.00000°,λ100.00000°. M_o3.76000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(249) Luzon

ISC X 01 12 48 23.5–.52 18.58N–.03 121.13E–.04 75–5 4.5b 295 0-116
DJA X 01 12 48 19.2–.30 18N–3.0 121E–4.0 10 5.3b,5.0 ¶621116076
MAN X 01 12 48 21.6 18.73N 121.04E 50 5.5b,4.8s
NEIC X 01 12 48 22.5–1.3 18.48N–.02 121.2E–.10 66–7 4.5b,4.8s
GFZ X 01 12 48 24.1–.39 19N–3.0 121E–4.0 70–4 5.6b,5.0
BJI X 01 12 48 24.0 18.55N 120.97E 66 4.5b,4.4b
IDC X 01 12 48 26.8–1.8 18.46N 121.31E 113–17 4.4,3.9b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - FLORA APAYAO; BACARRA BANGUI BURGOS PAGUDPUD AND PASUQUIN ILOCOS NORTE; ABULUG ALLACAPAN CLAVERIA PAMPLONA AND SANCHEZ-MIRA CAGAYAN ; . INTENSITY III - CITY OF BATAC CITY OF LAOAG AND SAN NICOLAS ILOCOS NORTE; ALCALA AMULUNG SANTA ANA AND SANTA PRAXEDES CAGAYAN; . INTENSITY II - CURRIMAO ILOCOS NORTE; PENABLANCA AND TUGUEGARAO CITY CAGAYAN ; . INTENSITY I - BADOC ILOCOS NORTE; SINAIT ILOCOS SUR.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=2.6km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=15.4km s-min=9.3km az=71.0.

(238) Ryukyu Islands

ISC X 01 13 33 24.5–.48 26.78N–.04 128.63E–.04 35–2 4.3b 79 0-79
IDC X 01 13 33 20.0–.69 26.88N 128.42E 0 4.1b,4.1 ¶621147829
NEIC X 01 13 33 24.6–1.3 26.77N–.06 128.60E–.05 35–2 4.5b,4.1
NIED X 01 13 33 26.0 26.80N 128.59E 37 3.9W,4.1
JMA X 01 13 33 26.0–.11 26.8N–.40 128.6E–.70 37–0 3.9,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.41 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$0.27 $M_{r\theta}$2.78 $M_{\theta\phi}$6.77 $M_{\phi r}$4.65 NP1:ϕ_s93.00000°,δ60.00000°,λ14.00000°. NP2:ϕ_s356.00000°,δ78.00000°,λ150.00000°. M_o8.43000×10^{14}
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

(228) Near east coast of eastern Honshu

ISC X 02 04 01 35.0–.83 38.50N–.06 142.11E–.10 20–6 4.1b 65 1-145
IDC X 02 04 01 31.7–.74 38.42N 142.17E 0 3.8b,3.8 ¶621186046
NIED X 02 04 01 35.0 38.47N 142.12E 27 3.8W,3.8
JMA X 02 04 01 35.0–.05 38.5N–.20 142.1E–.20 27–0 4.4,4.0
NEIC X 02 04 01 37.9–1.6 38.49N–.08 142.1E–.10 39–3 4.8b,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.94 $M_{\theta\theta}$2.92 $M_{\phi\phi}$1.02 $M_{r\theta}$1.47 $M_{\theta\phi}$-2.58 $M_{\phi r}$1.41 NP1:ϕ_s148.00000°,δ48.00000°,λ-54.00000°. NP2:ϕ_s281.00000°,δ53.00000°,λ-123.00000°. M_o4.83000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(250) Mindoro

ISC X 02 08 55 10.9–1.2 12.87N–.02 120.85E–.03 10–9 4.3b 89 0-49
MAN X 02 08 55 11.1 12.84N 120.85E 12 5.2b,4.3s ¶635690865
IDC X 02 08 55 39.1–33 9.54N 122.36E 0 4.2b,4.2
ISC Event type fe.
MAN Event type fe. INTENSITY III - CALINTAAN AND SABLAYAN OCCIDENTAL MINDORO ; . INTENSITY II - SANTA CRUZ OCCIDENTAL MINDORO ; . INTENSITY I - PUERTO GALERA ORIENTAL MINDORO.
IDC Error ellipse: s-maj=579.0km s-min=304.4km az=151.0.

(259) Mindanao

ISC X 02 18 06 53.5–1.0 9.30N–.02 125.30E–.02 25–8 4.1b,3.5s 151 0-93
NEIC X 02 18 06 51.8–1.6 9.30N–.04 125.31E–.10 10–1 4.5b,3.5s ¶621186080
MAN X 02 18 06 53.7 9.30N 125.36E 28 5.2b,4.2s
IDC X 02 18 07 01.8–1.5 8.98N 124.74E 98–16 3.8,3.5s
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=5.5km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - TUBAY AGUSAN DEL NORTE.
IDC Error ellipse: s-maj=26.5km s-min=13.3km az=69.0.

(250) Mindoro

ISC X 02 20 55 43.0–1.2 12.86N–.02 120.88E–.03 13–8 3.9b 115 0-103
IDC X 02 20 55 40.5–.81 12.85N 120.91E 0 3.8b,3.8 ¶621186088
NEIC X 02 20 55 42.5–1.8 13.03N–.08 121.13E–.08 10–1 4.4b,3.8
MAN X 02 20 55 42.7 12.84N 120.85E 11 5.3b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=35.5km s-min=14.0km az=71.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.1km az=43.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - SABLAYAN OCCIDENTAL MINDORO ; . INTENSITY II - SANTA CRUZ OCCIDENTAL MINDORO ; . INTENSITY I - ABRA DE ILOG OCCIDENTAL MINDORO.

(250) Mindoro

ISC X 02 21 59 28.4–.48 12.89N–.01 120.90E–.02 16–2 5.0b,4.9s 891 0-150
BJI X 02 21 59 24.7 12.71N 120.89E 13 5.2s,5.2b ¶621117005
IDC X 02 21 59 24.9–.44 12.86N 120.84E 0 4.7s,4.4b
MOS X 02 21 59 25.2–.91 12.85N 120.88E 14 5.2b,4.9s
NEIC X 02 21 59 26.7–1.1 12.87N–.06 120.91E–.08 9–4 5.1b,4.9s
NEIC X 02 21 59 26.7 12.87N 120.91E 9 5.1b,4.9s
MAN X 02 21 59 27.4 12.85N 120.87E 16 5.9b,5.3s
GFZ X 02 21 59 29.0–.12 13N–2.0 121E–3.0 10 5.5b,5.4
GCMT X 02 21 59 29.1–.10 12.98N–.01 120.89E–.01 12 5.3W,5.4
DJA X 02 21 59 32.7–.30 13N–2.0 121E–2.0 46–3 5.7,5.5b
NEIC X 02 21 59 36.5 12.87N 120.91E 12 5.4,5.5b
ISC Event type fe.
IDC Error ellipse: s-maj=16.7km s-min=9.6km az=77.0.
MOS Error ellipse: s-maj=8.2km s-min=4.3km az=111.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.9km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
MAN Event type fe. INTENSITY VI - SABLAYAN OCCIDENTAL MINDORO; . INTENSITY IV - CALINTAAN OCCIDENTAL MINDORO; . INTENSITY III - ABRA DE ILOG AND SANTA CRUZ OCCIDENTAL MINDORO; . INTENSITY II - BOAC MARINDUQUE; LUBANG MAGSAYSAY AND MAMBURAO OCCIDENTAL MINDORO; BACO BONGABONG CITY OF CALAPAN GLORIA PINAMALAYAN ROXAS SAN TEODORO AND SOCORRO ORIENTAL MINDORO.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110022159A. Moment Tensor Solution. s76,c101; s144,c279;Duration: 1ş2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.02 $M_{\theta\theta}$1.00±.02; $M_{\phi\phi}$-0.74±.02; $M_{r\theta}$-0.34±.05; $M_{\theta\phi}$0.66±.01; $M_{\phi r}$-0.62±.06; Best double couple: NP1: ϕ_s295.00000°,δ56.00000°,λ-8.00000°. NP2:ϕ_s30.00000°,δ83.00000°,λ-145.00000°. Principal axes: T 1.3950,Plg18.0000°,Azm158.0000°; N -0.1610,Plg55.0000°,Azm39.0000° ; P -1.2370,Plg29.0000°,Azm258.0000° M_o1.31600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2ş6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32 $M_{\theta\theta}$0.77 $M_{\phi\phi}$-0.44 $M_{r\theta}$-1.13 $M_{\theta\phi}$0.43 $M_{\phi r}$-0.91 NP1:ϕ_s294.69000°,δ21.54000°,λ-23.97000°. NP2:ϕ_s47.16000°,δ81.42000°,λ-109.83000°. Principal axes:
T 1.8112,Plg34.0000°,Azm154.0000°; N -0.3813,Plg20.0000°,Azm50.0000°
; P -1.4300,Plg50.0000°,Azm295.0000° M_o1.65000×10^{17}

(250) Mindoro

ISC X 02 23 33 34.1–1.0 12.90N–.02 120.87E–.02 11–6 4.5b,4.0s 277 0-100
BJI X 02 23 33 29.2 12.61N 121.12E 10 4.6b,4.4s ¶621117063
IDC X 02 23 33 31.2–.61 12.86N 120.62E 0 4.1b,4.1
NEIC X 02 23 33 33.8–1.5 12.94N–.07 121.01E–.10 10–1 4.6b,4.1
MAN X 02 23 33 34.1 12.85N 120.87E 11 5.4b,4.7s
DJA X 02 23 33 41.6–.40 13N–2.0 121E–3.0 44–5 5.8b,5.4
ISC Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MAN Event type fe. INTENSITY IV - SABLAYAN OCCIDENTAL MINDORO ; . INTENSITY III - CALINTAAN OCCIDENTAL MINDORO ; . INTENSITY II - ABRA DE ILOG AND MAMBURAO OCCIDENTAL MINDORO ; . INTENSITY I - BACO AND SAN TEODORO ORIENTAL MINDORO.

(226) Near west coast of eastern Honshu

ISC	**X**	**03 02 10 59.0–.88**	**37.48N–.04**	**137.18E–.04**	**15–5**	**4.2b**	**64**	**0-84**
IDC	X	03 02 10 56.6–.55	37.52N	137.15E	0	3.9b,3.8		¶626626239
NEIC	X	03 02 10 58.8–1.7	37.46N–.05	137.12E–.05	10–1	4.4b,3.8		
NIED	X	03 02 10 59.2	37.51N	137.23E	13	3.9W,3.8		
JMA	X	03 02 10 59.2–.04	37.5N–.10	137.2E–.20	13–0	4.4,4.3		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}8.69 $M_{\theta\theta}$-6.02 $M_{\phi\phi}$-2.67 $M_{r\theta}$1.90 $M_{\theta\phi}$-4.75 $M_{\phi r}$-1.63 NP1:ϕ_s220.00000°,δ45.00000°,λ68.00000°. NP2:ϕ_s70.00000°,δ49.00000°,λ111.00000°. $M_0$9.40000×10^{14}

JMA Event type fe. NOTO PENINSULA REGION .

(226) Near west coast of eastern Honshu

JMA	**X**	**03 05 43 35.3–.04**	**37.5N–.10**	**137.2E–.20**	**13–0**	**3.8**		
NIED	X	03 05 43 35.3	37.52N	137.24E	13	3.7W		¶626626435

JMA Event type fe. NOTO PENINSULA REGION .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.03 $M_{\theta\theta}$-1.92 $M_{\phi\phi}$-2.11 $M_{r\theta}$-0.67 $M_{\theta\phi}$-2.32 $M_{\phi r}$-1.58 NP1:ϕ_s52.00000°,δ35.00000°,λ104.00000°. NP2:ϕ_s216.00000°,δ56.00000°,λ80.00000°. $M_0$4.52000×10^{14}

(250) Mindoro

ISC	**X**	**03 18 33 51.6–1.1**	**13.40N–.02**	**121.48E–.02**	**12–7**	**4.4b,3.6s**	**185**	**0-119**
IDC	X	03 18 33 49.2–.60	13.28N	121.59E	0	4.8L,4.1		¶621186141
NEIC	X	03 18 33 51.0–1.7	13.44N–.08	121.6E–.10	10–1	4.5b,4.1		
MAN	X	03 18 33 51.8	13.37N	121.54E	15	5.3b,4.4s		
DJA	X	03 18 34 11.8–.30	14N–2.0	121E–4.0	219–7	6.1b,5.8		

ISC Event type fe.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MAN Event type fe. INTENSITY IV - CITY OF CALAPAN GLORIA NAUJAN PINAMALAYAN AND POLA ORIENTAL MINDORO ; . INTENSITY III - SOCORRO ORIENTAL MINDORO ; . INTENSITY II - BACO AND PUERTO GALERA ORIENTAL MINDORO.

(250) Mindoro

ISC	**X**	**03 18 35 54.7–.57**	**13.33N–.02**	**121.52E–.02**	**10**	**3.8b,3.5s**	**70**	**0-89**
IDC	X	03 18 35 54.1–.85	13.22N	121.52E	0	3.8b,3.8		¶621186142
MAN	X	03 18 35 56.2	13.37N	121.52E	14	5.2b,4.2s		

ISC Event type fe.

IDC Error ellipse: s-maj=44.5km s-min=12.0km az=61.0.

MAN Event type fe. INTENSITY III - CITY OF CALAPAN NAUJAN PINAMALAYAN POLA AND VICTORIA ORIENTAL MINDORO ; . INTENSITY II - GLORIA ORIENTAL MINDORO ; . INTENSITY I - PUERTO GALERA ORIENTAL MINDORO.

(243) Taiwan region

ISC	**X**	**04 06 07 52.4–.51**	**24.76N–.01**	**122.26E–.01**	**15–3**	**4.6b,4.5s**	**504**	**0-148**
TAP	X	04 06 07 50.5	24.78N	122.25E	4–0	5.1L,4.5s		¶621117538
ASIES	X	04 06 07 50.5	24.77N	122.21E	5	4.7W,4.5s		
NIED	X	04 06 07 52.0	24.71N	122.23E	38	4.9W,4.5s		
NEIC	X	04 06 07 51.2–.68	24.75N–.06	122.23E–.05	10–4	4.6b,4.5s		
BJI	X	04 06 07 51.0	24.86N	122.27E	10	5.2b,5.0s		
JMA	X	04 06 07 52.0–.10	25N–1.0	122.2E–.40	38	5.0,4.6		
GFZ	X	04 06 07 53.3–.20	25N–4.0	122E–3.0	10	5.5b,5.0		
GCMT	X	04 06 07 55.2–.40	24.91N–.02	122.32E–.03	21–1	5.2W,5.0		
IDC	X	04 06 07 56.8–.63	24.70N	122.25E	54–6	4.4s,4.3		

ISC Event type ke.

TAP C.

ASIES Moment Tensor Solution. NP1:ϕ_s61.00000°,δ28.00000°,λ-142.00000°. NP2:ϕ_s296.00000°,δ73.00000°,λ-67.00000°.

NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.03 $M_{\theta\theta}$2.36 $M_{\phi\phi}$-0.34 $M_{r\theta}$1.33 $M_{\theta\phi}$0.32 $M_{\phi r}$-0.43 NP1:ϕ_s67.00000°,δ32.00000°,λ-116.00000°. NP2:ϕ_s277.00000°,δ62.00000°,λ-75.00000°. $M_0$2.63000×10^{16}

NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.7km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. TAIWAN REGION .

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110040607A. Moment Tensor Solution. s18,c23; s74,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.84±.50 $M_{\theta\theta}$5.67±.32; $M_{\phi\phi}$-0.83±.29; $M_{r\theta}$2.83±.41; $M_{\theta\phi}$0.77±.17; $M_{\phi r}$-4.38±.60; Best double couple: NP1:ϕ_s59.00000°,δ39.00000°,λ-140.00000°. NP2:ϕ_s296.00000°,δ66.00000°,λ-58.00000°. Principal axes: T 6.4030,Plg15.0000°,Azm3.0000°; N 1.8150,Plg29.0000°,Azm102.0000°; P -8.2190,Plg56.0000°,Azm249.0000° $M_0$7.31100×10^{16}

IDC Error ellipse: s-maj=16.0km s-min=11.1km az=72.0.

(254) Panay

ISC	**X**	**04 20 12 02.4–1.3**	**9.96N–.02**	**121.99E–.03**	**12–8**	**4.5b,3.5s**	**238**	**1-91**
MAN	X	04 20 12 01.6	10.01N	122.01E	4	5.4b,4.6s		¶621118421
NEIC	X	04 20 12 02.2–1.4	9.94N–.06	122.15E–.06	10–1	4.6b,4.6s		
GFZ	X	04 20 12 04.0–.35	10N–3.0	122E–6.0	10	5.1b,4.9L		
BJI	X	04 20 12 06.6	10.05N	122.01E	40	4.9b,4.6b		
DJA	X	04 20 12 10.5–.90	10N–6.0	122E–6.0	45–8	5.2,5.1b		
IDC	X	04 20 12 19.6–1.9	9.73N	122.03E	179–21	4.2,3.6b		

ISC Event type fe.

MAN Event type fe. INTENSITY III - CAUAYAN AND CITY OF SIPALAY NEGROS OCCIDENTAL.

NEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.5km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=13.0km s-min=5.8km az=73.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC Error ellipse: s-maj=21.8km s-min=11.1km az=70.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**04 21 06 32.5–1.2**	**38.16N–.05**	**141.99E–.07**	**46–10**	**4.3b**	**97**	**0-146**
NEIC	X	04 21 06 32.9–2.4	38.16N–.07	142.02E–.07	46–7	4.5b		¶621120399
IDC	X	04 21 06 33.1–1.7	38.19N	141.90E	52–15	3.9,3.6L		
NIED	X	04 21 06 33.4	38.18N	141.84E	52	4.0W,3.6L		
JMA	X	04 21 06 33.4–.07	38.2N–.20	141.8E–.30	52–0	4.3,4.0		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.92 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.27 $M_{\theta\phi}$-0.61 $M_{\phi r}$-0.27 NP1:ϕ_s207.00000°,δ49.00000°,λ59.00000°. NP2:ϕ_s69.00000°,δ50.00000°,λ120.00000°. $M_0$1.07000×10^{15}

JMA Event type fe. E OFF MIYAGI PREF .

(249) Luzon

ISC	**X**	**04 21 31 54.3–.82**	**16.74N–.02**	**121.54E–.03**	**13–5**	**4.2b,2.6s**	**106**	**0-85**
NEIC	X	04 21 31 53.7–1.4	16.7N–.10	121.6E–.20	10–1	4.3b,2.6s		¶621203140
MAN	X	04 21 31 53.0	16.77N	121.55E	2	5.2b,4.2s		
IDC	X	04 21 31 59.6–6.2	16.68N	121.69E	65–59	3.9,3.6b		

ISC Event type fe.

NEIC Event type se. Error ellipse: s-maj=29.5km s-min=16.4km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MAN Event type fe. INTENSITY IV - DIADI NUEVA VIZCAYA ; . INTENSITY III - CORDON ISABELA; BAGABAG NUEVA VIZCAYA ; . INTENSITY II - CITY OF CAUAYAN ISABELA; CITY OF SANTIAGO; AGLIPAY QUIRINO.

IDC Error ellipse: s-maj=36.1km s-min=15.3km az=66.0.

(718) Hindu Kush region

ISC	**X**	**05 07 59 58.8–.36**	**36.82N–.03**	**66.79E–.02**	**24–2**	**5.1b,4.5s**	**850**	**3-147**
NNC	X	05 07 59 48.0–1.9	36.27N	66.42E	0	5.8b,5.4		¶621120450
NEIC	X	05 07 59 57.3–2.1	36.84N–.05	66.65E–.08	10–1	5.2b,5.1		
MOS	X	05 07 59 57.6–1.1	36.87N	66.80E	26	5.2b,4.4s		
BJI	X	05 07 59 58.7	36.93N	67.28E	10	5.3b,5.1b		
IDC	X	05 07 59 59.6–3.5	36.73N	66.76E	32–26	4.8L,4.8		
GFZ	X	05 08 00 01.6–.23	37N–2.0	67E–2.0	43–2	6.1L,5.8b		
GCMT	X	05 08 00 02.1–.10	36.84N–.01	66.63E–.01	33–0	5.3W,5.8b		

ISC Event type se.

NNC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MOS Event type fe. Felt (III-IV) at Dzharkurgan; (III) at Dushanbe, Karshi; (II-III) at Bukhara, Samarkand; (II) at Navoi, Tashkent. Moment Tensor Solution.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110050759A. Moment Tensor Solution. s92,c128; s125,c240;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.02 $M_{\theta\theta}$-1.02±.02; $M_{\phi\phi}$1.02±.01; $M_{r\theta}$0.31±.03; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$-0.23±.03; Best double couple: NP1:ϕ_s220.00000°,δ70.00000°,λ-1.00000°. NP2:ϕ_s310.00000°,δ89.00000°,λ-160.00000°. Principal axes: T 1.0950,Plg13.0000°,Azm83.0000°; N 0.0140,Plg70.0000°,Azm313.0000°; P -1.1140,Plg15.0000°,Azm177.0000° $M_0$1.10500×10^{17}

(367) Turkey-Georgia-Armenia border region

ISC	**X**	**05 08 31 12.0–1.0**	**41.15N–.01**	**43.90E–.01**	**3–9**		**234**	**0-12**
NSSP	X	05 08 31 10.6	41.18N	43.97E	10	3.5s		¶621122780
NOGSR	X	05 08 31 11.5	41.26N	43.89E	2–0	4.3		
MOS	X	05 08 31 11.7–1.5	41.10N	43.80E	6	4.1b		
TIF	X	05 08 31 11.0	41.18N	43.90E	10–1	4.1b		
ISK	X	05 08 31 12.6	41.03N	43.86E	2–0	3.7L		
AFAD	X	05 08 31 12.1	41.15N	43.83E	7–3	3.4L		
AZER	X	05 08 31 13.1	41.13N	44.10E	2	3.8L		

ISC Event type ke.

NOGSR Event type se.

MOS Event type fe. Error ellipse: s-maj=6.8km s-min=3.9km az=81.5. Felt (III) at Alaverdi, Tashir. Moment Tensor Solution.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

(230) Near south coast of eastern Honshu

ISC	**X**	**05 17 05 11.9–.95**	**35.95N–.06**	**139.53E–.07**	**124–7**	**3.4b**	**23**	**0-60**
IDC	X	05 17 05 10.6–1.9	35.96N	139.74E	118–15	3.6,3.2b		¶621203183
NIED	X	05 17 05 12.8	35.99N	139.54E	118	3.7W,3.2b		
JMA	X	05 17 05 12.8–.14	36.0N–.50	139.5E–.60	118–1	3.7,3.2b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.66 $M_{\theta\theta}$-3.88 $M_{\phi\phi}$0.22 $M_{r\theta}$-0.11 $M_{\theta\phi}$2.18 $M_{\phi r}$-1.52 NP1:ϕ_s271.00000°,δ47.00000°,λ56.00000°. NP2:ϕ_s136.00000°,δ53.00000°,λ121.00000°. $M_0$4.60000×10^{14}

JMA Event type fe. EASTERN SAITAMA PREF .

(245) Northeast of Taiwan

ISC	**X**	**05 17 30 28.3–.36**	**25.65N–.02**	**125.11E–.03**	**13–2**	**5.5b,5.2s**	**1119**	**1-176**
BJI	X	05 17 30 25.7	25.51N	125.15E	14	5.6s,5.6L		¶621125913
IDC	X	05 17 30 26.0–.41	25.70N	124.98E	0	4.9b,4.9		
MOS	X	05 17 30 25.8–1.1	25.64N	124.98E	10	5.6b,5.2s		
BGR	X	05 17 30 26.4	25.04N	126.13E	33	5.3b,5.2s		
NEIC	X	05 17 30 27.2	25.72N	125.02E	8	5.3b,5.2s		
NEIC	X	05 17 30 27.2–1.8	25.72N–.07	125.02E–.05	8–3	5.6b,5.2		
NEIC	X	05 17 30 27.6	25.74N	125.04E	9	5.6b,5.2		
NIED	X	05 17 30 27.4	25.72N	124.99E	24	5.2W,5.2		
JMA	X	05 17 30 27.4–.23	25.7N–.80	125.0E–.90	24	5.5,5.3W		
GFZ	X	05 17 30 28.6	25.76N	125.05E	10	5.3W,5.3W		
GFZ	X	05 17 30 29.5–.22	26N–3.0	125E–3.0	10	5.7b,5.3		
GCMT	X	05 17 30 29.6–.10	25.61N–.01	124.89E–.01	12	5.3W,5.3		
KEA	X	05 17 30 35.8	25.78N	125.00E	33	5.0s,5.3		
NEIC	X	05 17 30 38.4	25.74N	125.04E	12	5.4,5.3		

ISC Event type ke.

IDC Error ellipse: s-maj=10.6km s-min=10.1km az=35.0.

MOS Error ellipse: s-maj=6.1km s-min=3.8km az=112.9.

BGR Event type ke.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.3km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.55 $M_{\theta\theta}$3.57 $M_{\phi\phi}$0.98 $M_{r\theta}$-2.50 $M_{\theta\phi}$6.10 $M_{\phi r}$-3.35 NP1:ϕ_s259.57000°,δ35.32000°,λ-47.50000°. NP2:ϕ_s31.24000°,δ64.77000°,λ-115.58000°. Principal axes: T 9.6706,Plg16.0000°,Azm140.0000°; N -3.5191,Plg23.0000°,Azm43.0000°; P -6.1514,Plg61.0000°,Azm262.0000° $M_0$8.48000×10^{16}

NEIC Event type se.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.16 $M_{\theta\theta}$5.56 $M_{\phi\phi}$1.60 $M_{r\theta}$-0.97 $M_{\theta\phi}$4.30 $M_{\phi r}$-1.65 NP1:ϕ_s245.00000°,δ39.00000°,λ-78.00000°. NP2:ϕ_s50.00000°,δ52.00000°,λ-100.00000°. $M_0$7.98000×10^{16}

JMA Event type fe. NW OFF MIYAKOJIMA ISLAND.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.56 $M_{\theta\theta}$6.70 $M_{\phi\phi}$1.85 $M_{r\theta}$-0.35 $M_{\theta\phi}$5.56 $M_{\phi r}$-1.11 NP1:ϕ_s50.86512°,δ48.03995°,λ-98.14243°. NP2:ϕ_s242.94371°,δ42.59849°,λ-81.04823°. Principal axes: T 10.3882,Plg2.7359°,Azm146.6195°; N -1.7122,Plg6.0457°,Azm56.3296°; P -8.6760,Plg83.3599°,Azm260.8550° $M_0$9.64676×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110051730A. Moment Tensor Solution. s100,c177; s121,c241;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.03±.02 $M_{\theta\theta}$0.94±.02; $M_{\phi\phi}$0.09±.02; $M_{r\theta}$0.34±.05; $M_{\theta\phi}$0.75±.02; $M_{\phi r}$0.49±.05; Best double couple: NP1:ϕ_s77.00000°,δ35.00000°,λ-63.00000°. NP2:ϕ_s225.00000°,δ59.00000°,λ-108.00000°. Principal axes: T 1.4950,Plg12.0000°,Azm328.0000°; N -0.2780,Plg15.0000°,Azm235.0000°; P -1.2140,Plg71.0000°,Azm96.0000° $M_0$1.35400×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.91 $M_{\theta\theta}$0.88 $M_{\phi\phi}$0.03 $M_{r\theta}$0.52 $M_{\theta\phi}$0.81 $M_{\phi r}$-0.23 NP1:ϕ_s30.40000°,δ45.21000°,λ-135.30000°. NP2:ϕ_s265.52000°,δ60.05000°,λ-54.40000°. Principal axes: T 1.4178,Plg8.0000°,Azm331.0000°; N -0.1818,Plg30.0000°,Azm66.0000°; P -1.2360,Plg58.0000°,Azm227.0000° $M_0$1.34000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**X**	**05 17 46 02.7–.19**	**40.02N–.02**	**142.21E–.02**	**57–1**	**5.8b,5.2s**	**2381**	**0-165**
BJI	X	05 17 45 58.4	40.02N	142.53E	50	5.8b,5.5b		¶621125918
MOS	X	05 17 46 00.6–.85	40.04N	142.26E	51	6.1b,5.3s		
BGR	X	05 17 46 02.1	39.74N	141.51E	33	5.7b,5.4s		
JMA	X	05 17 46 02.3–.10	40.0N–.30	142.3E–.30	56–0	5.9,5.7W		
GFZ	X	05 17 46 02.7	39.96N	142.26E	52	5.7W,5.7W		
GFZ	X	05 17 46 02.7–.25	40N–1.0	142E–2.0	51–2	6.1b,6.0L		
NIED	X	05 17 46 02.3	40.01N	142.26E	56	5.7W,6.0L		
NEIC	X	05 17 46 03.0–1.9	40.05N–.05	142.14E–.08	55–1	5.8b,5.7		
NEIC	X	05 17 46 02.1	40.08N	142.25E	45	5.8b,5.7		
ISC-P	X	05 17 46 02	40.05N	142.14E	68–0	5.9,5.7		
NEIC	X	05 17 46 03.6	40.08N	142.21E	60	5.9,5.7		
IDC	X	05 17 46 03.3–.90	40.00N	142.18E	60–7	5.6,5.3b		
GCMT	X	05 17 46 04.2–.10	39.98N–.01	142.19E–.01	48–0	5.7W,5.3b		
NEIC	X	05 17 46 08.9	39.98N	142.47E	46	5.7,5.3b		

ISC Event type ke.

MOS Event type fe. Error ellipse: s-maj=5.2km s-min=3.8km az=103.1. Felt (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.

BGR Event type ke.

JMA Event type fe. NE OFF IWATE PREF .

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.14 $M_{\theta\theta}$-2.99 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.78 $M_{\theta\phi}$-1.96 $M_{\phi r}$-0.13 NP1:ϕ_s64.76999°,δ49.46605°,λ99.46278°. NP2:ϕ_s230.38576°,δ41.43741°,λ79.11683°. Principal axes: T 4.2521,Plg81.7498°,Azm28.8802°; N 0.0254,Plg7.1780°,Azm238.5877°; P -4.2774,Plg4.0459°,Azm148.0773° $M_0$4.26480×10^{17}

GFZ Error ellipse: s-maj=4.2km s-min=2.9km az=104.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}3.24 $M_{\theta\theta}$-2.72 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.26 $M_{\theta\phi}$-1.89 $M_{\phi r}$-1.34 NP1:ϕ_s78.00000°,δ41.00000°,λ118.00000°. NP2:ϕ_s223.00000°,δ55.00000°,λ68.00000°. $M_0$3.81000×10^{17}

NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.3km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.34 $M_{\theta\theta}$-3.24 $M_{\phi\phi}$-1.10 $M_{r\theta}$0.20 $M_{\theta\phi}$-2.32 $M_{\phi r}$-2.17 NP1:ϕ_s216.57000°,δ55.20000°,λ63.76000°. NP2:ϕ_s77.38000°,δ42.56000°,λ122.46000°. Principal axes: T 5.2171,Plg68.0000°,Azm72.0000°; N -0.3758,Plg21.0000°,Azm232.0000°; P -4.8414,Plg7.0000°,Azm325.0000° $M_0$5.04000×10^{17}

NEIC Event type se.

ISC-P Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.13 $M_{\theta\theta}$-0.06±.14; $M_{\phi\phi}$-0.59±.14; $M_{r\theta}$0.21±.13; $M_{\theta\phi}$-0.13±.26; $M_{\phi r}$-0.13±.15; NP1:ϕ_s177.10000°,δ50.90000° ,λ69.20000°. NP2:ϕ_s28.10000°,δ43.50000°,λ113.60000°. $M_0$7.67000×10^{17}

NEIC Event type se.

IDC Error ellipse: s-maj=7.7km s-min=6.4km az=96.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110051746A. Moment Tensor Solution. s128,c270; s156,c325;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.04±.06 $M_{\theta\theta}$-3.34±.04; $M_{\phi\phi}$-0.70±.05; $M_{r\theta}$-0.33±.04; $M_{\theta\phi}$-2.34±.03; $M_{\phi r}$-2.08±.04; Best double couple: NP1: ϕ_s80.00000°,δ40.00000°,λ123.00000°. NP2:ϕ_s220.00000°,δ57.00000°,λ65.00000°. Principal axes: T 4.8600,Plg68.0000°,Azm79.0000°; N 0.0560,Plg20.0000°,Azm234.0000° ; P -4.9160,Plg9.0000°,Azm327.0000° $M_0$4.88800×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}4.02 $M_{\theta\theta}$-2.91 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.10 $M_{\theta\phi}$-1.91 $M_{\phi r}$-1.89 NP1:ϕ_s75.57000°,δ41.61000° ,λ119.58000°. NP2:ϕ_s218.37000°,δ54.72000°,λ66.32000°. Principal axes: T 4.7043,Plg70.0000°,Azm74.0000°; N -0.4747,Plg19.0000°,Azm233.0000° ; P -4.2297,Plg7.0000°,Azm325.0000° $M_0$4.49000×10^{17}

(245) Northeast of Taiwan

ISC	X	05 18 03 43.8–.59	25.59N–.03	125.16E–.03	19–2	5.2b,4.6s	824	1-165
BJI	X	05 18 03 38.8	25.34N	125.23E	5	5.5b,5.3s		¶621125922
MOS	X	05 18 03 41.5–.98	25.63N	124.99E	13	5.3b,5.3s		
NEIC	X	05 18 03 42.8	25.63N	125.04E	10	5.3b,5.3s		
NEIC	X	05 18 03 42.4	25.63N	125.07E	10	5.3b,5.3s		
NEIC	X	05 18 03 42.4–1.5	25.62N–.06	125.08E–.05	10–1	5.4b,5.0		
JMA	X	05 18 03 43.3–.28	26N–1.0	125E–1.0	29	5.4,5.2W		
GFZ	X	05 18 03 43.4	25.71N	125.15E	10	5.1W,5.2W		
GFZ	X	05 18 03 43.4–.14	26N–2.0	125E–3.0	10	5.7b,5.3		
NIED	X	05 18 03 43.3	25.70N	124.98E	29	5.0W,5.3		
GCMT	X	05 18 03 46.0–.20	25.59N–.01	124.95E–.02	15–0	5.2W,5.3		
IDC	X	05 18 03 48.1–2.1	25.70N	125.02E	49–20	4.6,4.4b		
BGR	X	05 18 03 51.5	25.73N	123.50E	33	5.2b,4.4b		
NEIC	X	05 18 03 51.8	25.53N	124.93E	12	5.1,4.4b		

ISC Event type ke.

MOS Error ellipse: s-maj=6.3km s-min=3.9km az=115.6.

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.8km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.55 $M_{\theta\theta}$2.67 $M_{\phi\phi}$0.88 $M_{r\theta}$-1.38 $M_{\theta\phi}$0.99 $M_{\phi r}$-1.12 NP1:ϕ_s59.59000°,δ58.94000°,λ-96.00000°. NP2:ϕ_s251.10000°,δ31.58000° ,λ-80.16000°. Principal axes: T 3.5259,Plg14.0000°,Azm154.0000°; N 0.4887,Plg5.0000° ,Azm63.0000°; P -4.0146,Plg75.0000°,Azm313.0000° $M_0$3.79000×10^{16}

JMA Event type fe. NW OFF MIYAKOJIMA ISLAND.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.94 $M_{\theta\theta}$3.80 $M_{\phi\phi}$1.15 $M_{r\theta}$1.12 $M_{\theta\phi}$2.14 $M_{\phi r}$0.18 NP1: ϕ_s56.50224°,δ39.08929°,λ-96.81200°. NP2:ϕ_s245.25167°,δ51.23853°,λ-84.49617°. Principal axes: T 5.0996,Plg6.0920°,Azm331.3408°; N -0.0122,Plg4.2891°,Azm61.7994° ; P -5.0875,Plg82.5402°,Azm186.7433° $M_0$5.09356×10^{16}

GFZ Error ellipse: s-maj=5.8km s-min=4.5km az=83.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.13 $M_{\theta\theta}$3.19 $M_{\phi\phi}$0.94 $M_{r\theta}$0.02 $M_{\theta\phi}$1.62 $M_{\phi r}$-0.76 NP1:ϕ_s251.00000°,δ43.00000°,λ-77.00000°. NP2:ϕ_s54.00000° ,δ48.00000°,λ-102.00000°. $M_0$4.15000×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110051803A. Moment Tensor Solution. s52,c79; s126,c223; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.89±.26 $M_{\theta\theta}$5.51±.17; $M_{\phi\phi}$1.38±.15; $M_{r\theta}$0.04±.29; $M_{\theta\phi}$2.74±.09; $M_{\phi r}$0.08±.34; Best double couple: NP1:ϕ_s64.00000°,δ45.00000° ,λ-89.00000°. NP2:ϕ_s243.00000°,δ45.00000°,λ-91.00000°. Principal axes: T 6.8760,Plg0.0000°,Azm333.0000°; N 0.0140,Plg0.0000°,Azm243.0000° ; P -6.8910,Plg89.0000°,Azm94.0000° $M_0$6.88400×10^{16}

IDC Error ellipse: s-maj=16.0km s-min=11.2km az=65.0.

BGR Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.57 $M_{\theta\theta}$4.68 $M_{\phi\phi}$0.89 $M_{r\theta}$-1.53 $M_{\theta\phi}$2.55 $M_{\phi r}$-2.09 NP1:ϕ_s254.75000°,δ35.17000° ,λ-71.29000°. NP2:ϕ_s52.25000°,δ56.94000°,λ-102.73000°. Principal axes: T 6.4167,Plg11.0000°,Azm151.0000°; N -0.1659,Plg11.0000°,Azm59.0000° ; P -6.2508,Plg75.0000°,Azm286.0000° $M_0$6.34000×10^{16}

(228) Near east coast of eastern Honshu

ISC	X	05 22 33 40.0–.99	40.04N–.04	142.24E–.08	52–8	4.1b	51	0-76
JMA	X	05 22 33 40.0–.09	40.0N–.30	142.2E–.30	53–0	4.1		¶626628553
NIED	X	05 22 33 40.0	40.00N	142.24E	53	3.7W		
NEIC	X	05 22 33 41–1.2	40.13N–.07	142.18E–.09	57–3	4.4b		
IDC	X	05 22 33 42.0–2.5	40.12N	142.12E	68–20	3.8,3.5b		

ISC Event type ke.

JMA Event type fe. NE OFF IWATE PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.32 $M_{\theta\theta}$1.77 $M_{\phi\phi}$-4.09 $M_{r\theta}$1.61 $M_{\theta\phi}$1.60 $M_{\phi r}$1.50 NP1:ϕ_s130.00000°,δ51.00000°,λ31.00000°. NP2:ϕ_s20.00000° ,δ66.00000°,λ137.00000°. $M_0$4.46000×10^{14}

NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.7km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=32.0km s-min=15.9km az=107.0.

(225) Off southeast coast of Hokkaido

ISC	X	06 02 55 30.0–.99	43.15N–.06	146.85E–.05	58–7	4.3b	138	1-83
MOS	X	06 02 55 25.6–1.1	42.83N	146.99E	55	4.6b		¶621126146
IDC	X	06 02 55 28.6–.76	44.50N	146.85E	0	4.2L,4.1b		
NIED	X	06 02 55 30.9	43.15N	146.72E	66	3.9W,4.1b		
SKHL	X	06 02 55 30.8–.60	43.20N	146.90E	77–4	5.5b,4.1b		
JMA	X	06 02 55 30.9–.16	43.2N–.50	147E–1.0	66–1	4.1,4.1b		
NEIC	X	06 02 55 31.5–1.3	43.15N–.10	146.7E–.10	71–7	4.5b,4.1b		

ISC Event type ke.

MOS Event type fe. Felt (III) at Malokuril'skoye, Yuzhno-Kuril'sk. Moment Tensor Solution.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.66 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$-2.09 $M_{r\theta}$5.72 $M_{\theta\phi}$-1.84 $M_{\phi r}$3.33 NP1:ϕ_s207.00000°,δ16.00000°,λ61.00000°. NP2:ϕ_s57.00000° ,δ76.00000°,λ98.00000°. $M_0$7.57000×10^{14}

JMA Event type ke. OFF NEMURO PENINSULA .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(235) Kyushu

ISC	X	06 08 12 55.5–.27	31.27N–.02	131.41E–.03	43–2	5.5b,4.9s	1556	0-164
BJI	X	06 08 12 50.8	31.04N	131.64E	40	5.5b,5.2b		¶621126162
MOS	X	06 08 12 51.6–.98	31.28N	131.28E	24	5.8b,5.3s		
NEIC	X	06 08 12 53.6–2.9	31.20N–.05	131.49E–.05	24–3	5.6b,5.3		
KEA	X	06 08 12 54.5	31.32N	131.49E	33	5.0s,5.3		
JMA	X	06 08 12 55.4–.11	31.3N–.30	131.5E–.60	43–0	5.5W,5.4		
NEIC	X	06 08 12 55	31.20N	131.48E	35	5.5W,5.4		
IDC	X	06 08 12 55.2–.42	31.32N	131.23E	40–3	5.3,5.1b		
NEIC	X	06 08 12 55	31.26N	131.47E	35	5.3,5.1b		
NIED	X	06 08 12 55.4	31.25N	131.48E	43	5.5W,5.1b		
GFZ	X	06 08 12 55.6–.12	31N–1.0	131E–2.0	40–0	5.9b,5.6L		
GFZ	X	06 08 12 55.6	31.28N	131.32E	40	5.4W,5.6L		
IPGP	X	06 08 12 56.0	31.23N	131.42E	50	5.5W,5.6L		
BGR	X	06 08 12 56.2	32.17N	132.35E	45–2	5.5b,5.5s		
GCMT	X	06 08 12 57.8–.10	31.24N–.01	131.42E–.01	31–0	5.5W,5.5s		
NEIC	X	06 08 13 05.9	31.20N	131.48E	36	5.4,5.5s		

ISC Event type ke.

MOS Error ellipse: s-maj=5.5km s-min=3.4km az=107.3.

NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.8km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.28 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$0.66 $M_{r\theta}$0.34 $M_{\theta\phi}$0.67 $M_{\phi r}$0.19 NP1:ϕ_s333.89000°,δ66.93000°,λ170.91000°. NP2:ϕ_s67.48000°,δ81.64000° ,λ23.33000°. Principal axes: T 1.0248,Plg22.0000°,Azm293.0000°; N 0.2006,Plg65.0000° ,Azm86.0000°; P -1.2253,Plg10.0000°,Azm199.0000° $M_0$1.14000×10^{17}

JMA Event type fe. SE OFF OSUMI PEN .

NEIC Event type se.

IDC Error ellipse: s-maj=10.5km s-min=6.7km az=82.0.

NEIC Event type se.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22 $M_{\theta\theta}$-1.69 $M_{\phi\phi}$1.47 $M_{r\theta}$0.65 $M_{\theta\phi}$0.60 $M_{\phi r}$0.58 NP1:ϕ_s324.00000°,δ63.00000°,λ173.00000°. NP2:ϕ_s57.00000° ,δ84.00000°,λ28.00000°. $M_0$1.91000×10^{17}

GFZ Error ellipse: s-maj=3.7km s-min=3.1km az=105.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.08 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$1.32 $M_{r\theta}$-0.36 $M_{\theta\phi}$0.54 $M_{\phi r}$-0.33 NP1: ϕ_s145.26418°,δ71.61907°,λ176.34463°. NP2:ϕ_s236.41824°,δ86.53136°,λ18.41588°. Principal axes: T 1.5297,Plg15.4119°,Azm102.3177°; N 0.0276,Plg71.2714°,Azm246.7170° ; P -1.5573,Plg10.3810°,Azm9.4230° $M_0$1.54372×10^{17}

IPGP Moment Tensor Solution. NP1:ϕ_s51.00000°,δ86.00000°,λ19.00000°. NP2:ϕ_s319.00000° ,δ71.00000°,λ175.00000°.

BGR Event type ke.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110060812A. Moment Tensor Solution. s121,c220; s143,c293;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.09±.02 $M_{\theta\theta}$-1.79±.02; $M_{\phi\phi}$1.70±.02; $M_{r\theta}$0.89±.04; $M_{\theta\phi}$0.37±.02; $M_{\phi r}$1.10±.04; Best double couple: NP1:ϕ_s318.00000° ,δ53.00000°,λ175.00000°. NP2:ϕ_s51.00000°,δ86.00000°,λ37.00000°. Principal axes: T 2.3900,Plg29.0000°,Azm282.0000°; N -0.2500,Plg52.0000°,Azm57.0000° ; P -2.1430,Plg22.0000°,Azm179.0000° $M_0$2.26700×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27 $M_{\theta\theta}$-1.53 $M_{\phi\phi}$1.80 $M_{r\theta}$0.23 $M_{\theta\phi}$0.54 $M_{\phi r}$0.49 NP1:ϕ_s323.23000°,δ76.27000° ,λ175.48000°. NP2:ϕ_s54.31000°,δ85.61000°,λ13.77000°. Principal axes: T 2.0038,Plg13.0000°,Azm280.0000°; N -0.3697,Plg76.0000°,Azm72.0000° ; P -1.6341,Plg7.0000°,Azm188.0000° $M_0$1.85000×10^{17}

(221) Kuril Islands

ISC	X	06 13 06 12.7–.43	49.54N–.05	156.03E–.04	91–3	4.8b	835	1-146
BGR	X	06 13 06 06.3	48.52N	153.65E	33	4.8b		¶621126475
KRSC	X	06 13 06 08.8–1.8	49.40N	156.16E	88–27	5.6L		
BJI	X	06 13 06 09.7	49.69N	156.27E	102	4.6b,4.4b		
MOS	X	06 13 06 11.3–.92	49.58N	155.83E	91	4.8b,4.4b		
NEIC	X	06 13 06 12.8–1.6	49.64N–.08	155.7E–.10	83–4	4.6b,4.4b		
IDC	X	06 13 06 12.5–.60	49.74N	155.62E	75–5	4.6,4.3b		
GFZ	X	06 13 06 13.1–.49	50N–3.0	156E–3.0	82–4	5.7b,5.2		

ISC Event type ke.

BGR Event type ke.

KRSC Event type se. Felt [IV] at Severo-Kurilsk; [II-III] at cape Vasilyeva, Podgornay, Paujetka.

MOS Event type fe. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(219) Off east coast of Kamchatka Peninsula

ISC	X	06 14 30 37.2–.56	52.56N–.03	159.80E–.03	53–4	4.5b,3.6s	464	1-142
KRSC	X	06 14 30 33.9–1.6	52.55N	159.94E	42–17	4.8L,4.0		¶621126481
MOS	X	06 14 30 35.7–1.0	52.57N	159.72E	42	4.8b,4.0		
NEIC	X	06 14 30 38.9–1.1	52.75N–.04	159.57E–.09	60–6	4.3b,4.0		
IDC	X	06 14 30 39.4–1.5	52.71N	159.51E	67–11	4.4,4.0b		

ISC Event type se.

KRSC Event type se. Felt [III] at Pionersky; [II-III] at Petropavlovsk; Felt at Elizovo.

MOS Event type fe. Error ellipse: s-maj=6.7km s-min=3.1km az=91.7. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.

NEIC Event type se. Error ellipse: s-maj=9.5km s-min=2.8km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=14.2km s-min=10.8km az=142.0.

(228) Near east coast of eastern Honshu

ISC	X	07 00 02 55.2–1.4	38.15N–.07	142.0E–.10	38–3	3.8b	25	0-146
IDC	X	07 00 02 49.7–1.5	38.12N	142.21E	0	3.7b,3.6		¶621217174
JMA	X	07 00 02 57.8–.08	38.2N–.30	141.7E–.40	51–0	3.6,3.6		

ISC Event type ke.

JMA Event type fe. E OFF MIYAGI PREF .

(243) Taiwan region

ISC	X	07 04 18 42.3–.51	24.55N–.03	122.58E–.02	85–4	4.6b	372	0-167
IDC	X	07 04 18 42.6–.83	24.67N	122.61E	84–7	4.2,3.9b		¶621126671
NEIC	X	07 04 18 42.7–.84	24.58N–.06	122.56E–.03	81–4	4.8b,4.2		
NEIC	X	07 04 18 42.6	24.52N	122.56E	82	4.8b,4.2		
TAP	X	07 04 18 43.5	24.57N	122.56E	81–0	5.0L,4.2		
JMA	X	07 04 18 43.3–.13	24N–1.0	122.6E–.40	79–1	4.2,4.0		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.71 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-2.29 $M_{r\theta}$1.60 $M_{\theta\phi}$0.26 $M_{\phi r}$-0.27 NP1:ϕ_s23.51000°,δ48.24000°,λ138.99000°. NP2:ϕ_s143.59000°,δ60.69000° ,λ49.80000°. Principal axes: T 2.8467,Plg55.0000°,Azm1.0000°; N -0.4766,Plg34.0000° ,Azm166.0000°; P -2.3701,Plg7.0000°,Azm261.0000° $M_0$2.64000×10^{15}

NEIC Event type se.

TAP D.

JMA Event type fe. NW OFF ISHIGAKIJIMA IS .

(227) Eastern Honshu

ISC	X	07 08 00 26.3–.91	36.03N–.04	139.93E–.05	51–8	3.7b	27	0-56
NIED	X	07 08 00 26.8	36.08N	139.92E	46	3.7W		¶621217203
JMA	X	07 08 00 26.8–.07	36.1N–.20	139.9E–.20	46–0	3.7		
IDC	X	07 08 00 27.2–1.7	35.91N	139.79E	62–16	3.8,3.5b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.08 $M_{\theta\theta}$-1.72 $M_{\phi\phi}$-1.36 $M_{r\theta}$1.77 $M_{\theta\phi}$-1.12 $M_{\phi r}$1.32 NP1:ϕ_s228.00000°,δ26.00000°,λ87.00000°. NP2:ϕ_s52.00000° ,δ64.00000°,λ92.00000°. $M_0$3.63000×10^{14}

JMA Event type fe. SW IBARAKI PREF .

IDC Error ellipse: s-maj=24.8km s-min=8.5km az=63.0.

(228) Near east coast of eastern Honshu

ISC	X	07 13 41 24.0–.20	35.52N–.02	140.06E–.02	65–1	6.1b	2456	0-168
BJI	X	07 13 41 16.7	35.47N	140.67E	60	6.0b,5.8b		¶626629702
KEA	X	07 13 41 18.2	35.62N	141.04E	33	5.0s,5.8b		
MOS	X	07 13 41 22.8–.97	35.56N	140.02E	61	6.5b,5.5s		
PTWC	X	07 13 41 23	35.60N	140.30E		5.9,5.5s		
BGR	X	07 13 41 23.5	35.93N	140.40E	33	6.6,6.4b		
JMA	X	07 13 41 23.1–.14	35.6N–.30	140.1E–.50	75–1	6.0W,5.9		
NIED	X	07 13 41 23.1	35.59N	140.10E	75	5.9W,5.9		
NEIC	X	07 13 41 24.2	35.56N	140.06E	58	5.9W,5.9		
GFZ	X	07 13 41 24.3	35.48N	140.16E	69	5.9W,5.9		
NEIC	X	07 13 41 24.2	35.56N	140.06E	58	5.9W,5.9		
IPGP	X	07 13 41 24.0	35.57N	140.11E	68	5.9W,5.9		
IDC	X	07 13 41 24.2–.35	35.49N	140.02E	68–3	6.0,5.7b		
GFZ	X	07 13 41 24.3–.32	35N–1.0	140E–2.0	63–2	6.4b,6.3b		
NEIC	X	07 13 41 24.5–2.2	35.57N–.05	140.07E–.08	62–1	6.1b,5.9		
GCMT	X	07 13 41 27.5–.10	35.53N	140.21E	57–0	6.0W,5.9		
NEIC	X	07 13 41 31.7	35.56N	140.06E	60	5.9,5.9		

ISC Event type ke.

MOS Error ellipse: s-maj=6.0km s-min=3.2km az=117.7.

BGR Event type ke.

JMA Event type fe. CENTRAL CHIBA PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}6.89 $M_{\theta\theta}$0.51 $M_{\phi\phi}$-7.39 $M_{r\theta}$1.79 $M_{\theta\phi}$0.91 $M_{\phi r}$5.45 NP1:ϕ_s158.00000°,δ29.00000°,λ63.00000°. NP2:ϕ_s9.00000° ,δ65.00000°,λ104.00000°. $M_0$9.21000×10^{17}

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.37 $M_{\theta\theta}$1.00 $M_{\phi\phi}$-8.36 $M_{r\theta}$1.18 $M_{\theta\phi}$0.16 $M_{\phi r}$4.29 NP1: ϕ_s169.07773°,δ31.50839°,λ73.84931°. NP2:ϕ_s7.83902°,δ59.86777°,λ99.67675°. Principal axes: T 8.6446,Plg73.2993°,Azm302.2703°; N 0.8139,Plg8.3590°,Azm182.9465° ; P -9.4585,Plg14.3526°,Azm90.7919° $M_0$9.07896×10^{17}

NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s195.00000°,δ34.00000°,λ95.00000°. NP2:ϕ_s9.00000° ,δ57.00000°,λ87.00000°.

IDC Error ellipse: s-maj=7.2km s-min=5.5km az=53.0.

GFZ Error ellipse: s-maj=5.1km s-min=3.2km az=96.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.9km az=276.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}9.48 $M_{\theta\theta}$-1.67 $M_{\phi\phi}$-7.80 $M_{r\theta}$1.56 $M_{\theta\phi}$-0.45 $M_{\phi r}$3.52 NP1:ϕ_s11.09000°,δ56.74000°,λ96.59000°. NP2:ϕ_s179.20000°,δ33.84000°

,λ80.07000°. Principal axes: T 10.3406,Plg77.0000°,Azm303.0000°; N -1.7655,Plg6.0000°
,Azm187.0000°; P -8.5751,Plg12.0000°,Azm96.0000° $M_0$9.58000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. ID: C202110071341A. Moment Tensor Solution.
s157,c361; s167,c563;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}1.01±.01
$M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-1.12±.01; $M_{r\theta}$0.03±.01; $M_{\theta\phi}$-0.00±.01; $M_{\phi r}$0.47±.01; Best double couple:
NP1:ϕ_s178.00000°,δ33.00000°,λ87.00000°. NP2:ϕ_s2.00000°,δ57.00000°,λ92.00000°.
Principal axes: T 1.1090,Plg78.0000°,Azm278.0000°; N 0.1160,Plg2.0000°,Azm181.0000°
; P -1.2180,Plg12.0000°,Azm90.0000° $M_0$1.16400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{17}Nm;
M_{rr}7.83 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$-7.83 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.55 $M_{\phi r}$3.60 NP1:ϕ_s178.36000°,δ32.63000°
,λ93.96000°. NP2:ϕ_s353.67000°,δ57.46000°,λ87.47000°. Principal axes:
T 8.6466,Plg77.0000°,Azm255.0000°; N 0.0225,Plg2.0000°,Azm355.0000°
; P -8.6691,Plg12.0000°,Azm85.0000° $M_0$8.66000×10^{17}

(224) Hokkaido region

ISC	**X**	**07 14 24 43.3–.88**	**41.22N–.04**	**142.27E–.05**	**59–8**	**4.0b**	**68**	**1-71**
IDC	X	07 14 24 43.1–1.8	41.23N	142.15E	56–15	3.9,3.5b	**¶621217218**	
NEIC	X	07 14 24 43.5–.95	41.19N–.08	142.34E–.09	62–6	4.5b,3.5b		
JMA	X	07 14 24 43.7–.08	41.3N–.30	142.2E–.30	56–0	3.9,3.5b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF AOMORI PREF .

(228) Near east coast of eastern Honshu

ISC	**X**	**07 14 44 19.1–.94**	**35.54N–.05**	**140.11E–.05**	**70–8**	**3.5b**	**26**	**0-59**
IDC	X	07 14 44 06.9–1.7	35.90N	141.01E	0	3.5b,3.4	**¶621217221**	
JMA	X	07 14 44 18.5–.14	35.6N–.30	140.1E–.50	70–1	3.1,3.4		

ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .

(250) Mindoro

ISC	**X**	**07 18 14 53.5–.27**	**13.90N–.02**	**120.58E–.03**	**157–2**	**5.0b**	**924**	**0-152**
MOS	X	07 18 14 51.4–.81	13.91N	120.76E	155	5.2b	**¶621131626**	
GCMT	X	07 18 14 52.8–.20	13.98N–.01	120.60E–.01	149–1	5.4W		
IDC	X	07 18 14 52.0–.32	13.91N	120.69E	144–2	4.9,4.4b		
MAN	X	07 18 14 52.3	13.93N	120.48E	129	5.8b,5.2s		
BJI	X	07 18 14 53.0	13.77N	120.90E	184	5.1b,4.8b		
BGR	X	07 18 14 53.2	14.08N	120.78E	145	5.0b,4.8b		
DJA	X	07 18 14 53.7–.50	14N–3.0	121E–3.0	179–7	5.2b,5.2		
NEIC	X	07 18 14 54.5	14.04N	121.00E	170	5.3,5.2		
NEIC	X	07 18 14 54.0–2.4	13.94N–.07	120.69E–.08	160–4	5.1b,5.2		
NEIC	X	07 18 14 54.1	13.94N	120.69E	161	5.1b,5.2		
GFZ	X	07 18 14 56.0–.45	14N–2.0	121E–4.0	178–6	5.3b,5.2		

ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202110071814A. Moment Tensor Solution. s95,c141;
s121,c222;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.02 $M_{\theta\theta}$-0.17±.03;
$M_{\phi\phi}$-0.76±.03; $M_{r\theta}$-0.06±.02; $M_{\theta\phi}$0.29±.03; $M_{\phi r}$-1.07±.03; Best double couple: NP1:
ϕ_s325.00000°,δ23.00000°,λ61.00000°. NP2:ϕ_s176.00000°,δ70.00000°,λ101.00000°.
Principal axes: T 1.4680,Plg63.0000°,Azm104.0000°; N -0.1360,Plg11.0000°,Azm352.0000°
; P -1.3330,Plg24.0000°,Azm257.0000° $M_0$1.40100×10^{17}
MAN Event type fe. INTENSITY II - CALATAGAN BATANGAS; LOOC AND LUBANG
OCCIDENTAL MINDORO; . INTENSITY I - SANTA CRUZ OCCIDENTAL MINDORO;
PUERTO GALERA ORIENTAL MINDORO.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm;
M_{rr}0.69 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.05 $M_{\theta\phi}$0.29 $M_{\phi r}$-0.83 NP1:ϕ_s319.09000°,δ22.66000°
,λ60.24000°. NP2:ϕ_s170.87000°,δ70.46000°,λ101.71000°. Principal axes:
T 1.1035,Plg63.0000°,Azm99.0000°; N -0.0342,Plg11.0000°,Azm347.0000°
; P -1.0693,Plg25.0000°,Azm252.0000° $M_0$1.09000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	**X**	**07 20 11 50.4–.72**	**35.53N–.05**	**140.09E–.05**	**69–7**	**3.9b**	**52**	**0-79**
NIED	X	07 20 11 49.9	35.56N	140.10E	71	3.9W	**¶621217238**	
JMA	X	07 20 11 49.9–.18	35.6N–.40	140.1E–.60	71–1	3.5		
IDC	X	07 20 11 50.5–3.2	35.42N	140.08E	72–25	3.8,3.5b		
NEIC	X	07 20 11 50.3–1.9	35.55N–.03	140.1E–.10	70–9	4.4b,3.5b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}6.05 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-5.34
$M_{r\theta}$2.32 $M_{\theta\phi}$-0.97 $M_{\phi r}$3.69 NP1:ϕ_s182.00000°,δ28.00000°,λ72.00000°. NP2:ϕ_s23.00000°
,δ63.00000°,λ99.00000°. $M_0$7.23000×10^{14}
JMA Event type fe. CENTRAL CHIBA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**X**	**09 02 16 18.6–.71**	**35.51N–.05**	**140.16E–.05**	**72–6**	**4.1b**	**58**	**0-96**
IDC	X	09 02 16 08.6–.82	35.61N	140.59E	0	4.0,3.9b	**¶626630998**	
NEIC	X	09 02 16 16.9–2.0	35.48N–.08	140.4E–.20	57–10	4.3b,3.9b		
NIED	X	09 02 16 19.0	35.56N	140.09E	71	4.1W,3.9b		
JMA	X	09 02 16 19.0–.16	35.6N–.40	140.1E–.60	71–1	3.4,3.9b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.19 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$-1.01
$M_{r\theta}$0.11 $M_{\theta\phi}$-0.06 $M_{\phi r}$1.05 NP1:ϕ_s183.00000°,δ23.00000°,λ88.00000°. NP2:ϕ_s5.00000°
,δ67.00000°,λ91.00000°. $M_0$1.53000×10^{15}
JMA Event type fe. CENTRAL CHIBA PREF .

(224) Hokkaido region

ISC	**X**	**09 02 47 33.8–.37**	**42.34N–.03**	**142.02E–.03**	**95–3**	**4.6b**	**538**	**0-152**
BJI	X	09 02 47 30.4	42.23N	142.20E	99	5.0b,4.9b	**¶621143684**	
MOS	X	09 02 47 32.7–.97	42.33N	142.06E	102	4.7b,4.9b		
JMA	X	09 02 47 33.3–.17	42.4N–.60	141.9E–.60	97–1	4.6,4.5		
NIED	X	09 02 47 33.3	42.38N	141.94E	97	4.5W,4.5		
IDC	X	09 02 47 33.9–.54	42.37N	142.02E	93–4	4.5,4.1b		
SKHL	X	09 02 47 34.0–.20	42.40N	142.20E	115–5	6.4,5.6b		
GFZ	X	09 02 47 34.2–.30	42N–4.0	142E–5.0	95–3	5.3b,4.8b		
NEIC	X	09 02 47 34.4–1.4	42.37N–.04	141.97E–.08	94–5	4.6b,4.8b		

ISC Event type ke.
JMA Event type fe. S OFF TOMAKOMAI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.41 $M_{\theta\theta}$6.40 $M_{\phi\phi}$-1.99
$M_{r\theta}$2.87 $M_{\theta\phi}$-3.05 $M_{\phi r}$-1.15 NP1:ϕ_s102.00000°,δ31.00000°,λ-99.00000°. NP2:ϕ_s292.00000°
,δ59.00000°,λ-84.00000°. $M_0$6.67000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**X**	**09 05 31 58.4–.33**	**39.99N–.03**	**142.28E–.04**	**55–2**	**4.8b,4.3s**	**541**	**0-155**
BJI	X	09 05 31 57.2	40.07N	142.33E	66	5.0b,4.8b	**¶621143695**	
IDC	X	09 05 31 57.1–1.7	39.95N	142.14E	45–15	4.6L,4.6		
MOS	X	09 05 31 57.6–.80	40.11N	142.18E	56	5.0b,4.6		
JMA	X	09 05 31 58.8–.08	40.0N–.20	142.3E–.30	54–0	4.7,4.5W		
NIED	X	09 05 31 58.8	39.99N	142.25E	54	4.5W,4.5W		
GFZ	X	09 05 31 60.0–.47	40N–4.0	142E–5.0	63–3	5.4b,4.9b		
NEIC	X	09 05 31 59.6–1.5	40.08N–.06	142.21E–.10	53–6	5.0b,4.9b		

ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}6.71 $M_{\theta\theta}$-4.23 $M_{\phi\phi}$-2.48
$M_{r\theta}$1.87 $M_{\theta\phi}$-2.77 $M_{\phi r}$-0.93 NP1:ϕ_s221.00000°,δ42.00000°,λ70.00000°. NP2:ϕ_s67.00000°
,δ51.00000°,λ107.00000°. $M_0$6.79000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(238) Ryukyu Islands

ISC	**X**	**09 10 11 46.8–.92**	**27.26N–.03**	**128.95E–.04**	**32–6**	**4.2b,2.9s**	**84**	**0-80**
NEIC	X	09 10 11 48.3–1.3	27.18N–.08	128.94E–.05	48–8	4.3b,2.9s	**¶621235321**	
JMA	X	09 10 11 48.2–.07	27.3N–.60	129E–1.0	33–1	3.9,3.8		
NIED	X	09 10 11 48.2	27.34N	128.86E	33	4.0W,3.8		
IDC	X	09 10 11 48.9–1.3	27.30N	128.70E	40–10	4.0,3.8b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.1km az=168.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.33 $M_{\theta\theta}$0.45 $M_{\phi\phi}$2.88
$M_{r\theta}$3.03 $M_{\theta\phi}$-2.56 $M_{\phi r}$8.76 NP1:ϕ_s306.00000°,δ19.00000°,λ-154.00000°. NP2:ϕ_s192.00000°
,δ82.00000°,λ-73.00000°. $M_0$9.99000×10^{14}
IDC Error ellipse: s-maj=24.6km s-min=11.5km az=105.0.

(238) Ryukyu Islands

ISC	**X**	**10 03 45 40.3–1.0**	**26.30N–.08**	**127.36E–.04**	**48–8**	**3.6b**	**26**	**0-72**
IDC	X	10 03 45 39.0–1.2	27.51N	127.65E	0	3.8b,3.8	**¶621235366**	
JMA	X	10 03 45 40.6–.20	26.3N–.70	127.4E–.60	44–1	3.2,3.8		

ISC Event type ke.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

(228) Near east coast of eastern Honshu

ISC	**X**	**10 05 08 50.2–2.0**	**40.05N–.06**	**142.4E–.20**	**48–14**	**3.5b**	**21**	**0-72**
NIED	X	10 05 08 51.2	40.02N	142.24E	52	3.8W	**¶626631707**	
JMA	X	10 05 08 51.2–.09	40.0N–.20	142.2E–.30	52–0	3.8		
IDC	X	10 05 09 01.1–3.5	39.91N	141.05E	131–33	3.5,3.2b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.80 $M_{\theta\theta}$4.54 $M_{\phi\phi}$-5.34
$M_{r\theta}$0.33 $M_{\theta\phi}$2.20 $M_{\phi r}$-0.68 NP1:ϕ_s33.00000°,δ84.00000°,λ-177.00000°. NP2:ϕ_s303.00000°
,δ87.00000°,λ-6.00000°. $M_0$5.45000×10^{14}
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=49.4km s-min=22.7km az=99.0.

(224) Hokkaido region

ISC	**X**	**10 14 16 14.7–.25**	**42.41N–.03**	**143.08E–.03**	**52–1**	**4.9b,3.9s**	**897**	**0-152**
BJI	X	10 14 16 10.7	42.16N	143.46E	50	5.1b,5.0b	**¶621144262**	
IDC	X	10 14 16 14.9–.53	42.41N	143.11E	51–4	4.8,4.6b		
MOS	X	10 14 16 14.0–.90	42.29N	143.08E	65	5.2b,4.6b		
SKHL	X	10 14 16 14.9–.40	42.20N	143.10E	66–3	5.6b,4.6b		
JMA	X	10 14 16 15.9–.16	42.4N–.50	143.1E–.60	51–1	4.8W,4.7		
NEIC	X	10 14 16 15.9–1.0	42.35N–.06	143.1E–.10	62–5	4.9b,4.7		
NIED	X	10 14 16 15.9	42.36N	143.11E	51	4.8W,4.7		
GFZ	X	10 14 16 15.6–.41	42N–4.0	143E–7.0	58–3	5.3b,5.1b		
GCMT	X	10 14 16 16.6–.40	42.15N–.02	143.18E–.04	59–1	4.8W,5.1b		

ISC Event type ke.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.39 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-0.92
$M_{r\theta}$0.65 $M_{\theta\phi}$-0.53 $M_{\phi r}$0.88 NP1:ϕ_s212.00000°,δ25.00000°,λ87.00000°. NP2:ϕ_s35.00000°
,δ65.00000°,λ91.00000°. $M_0$1.72000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202110101416A. Moment Tensor Solution. s33,c44; s74,c98;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.72±.11 $M_{\theta\theta}$-0.77±.08; $M_{\phi\phi}$-0.95±.08;
$M_{r\theta}$0.26±.05; $M_{\theta\phi}$-0.95±.05; $M_{\phi r}$0.76±.05; Best double couple: NP1:ϕ_s232.00000°,δ35.00000°
,λ106.00000°. NP2:ϕ_s33.00000°,δ57.00000°,λ79.00000°. Principal axes:
T 1.9190,Plg75.0000°,Azm271.0000°; N 0.0480,Plg9.0000°,Azm39.0000°
; P -1.9650,Plg11.0000°,Azm130.0000° $M_0$1.94200×10^{16}

(228) Near east coast of eastern Honshu

ISC	**X**	**11 11 36 58.1–.98**	**35.27N–.05**	**140.57E–.08**	**35**	**3.5b**	**18**	**0-59**
IDC	X	11 11 36 53.6–1.4	35.30N	140.46E	0	3.4b,3.4	**¶621236875**	
JMA	X	11 11 36 58.4–.10	35.3N–.30	140.6E–.40	24–1	3.2,3.4		

ISC Event type ke.
JMA Event type fe. KUJUKURI COAST BOSO PEN .

(228) Near east coast of eastern Honshu

ISC	**X**	**12 11 30 37.8–.84**	**39.61N–.04**	**142.34E–.07**	**47–7**	**3.9b**	**64**	**0-88**
NEIC	X	12 11 30 36.8–.68	39.56N–.06	142.52E–.04	35–2	4.1b	**¶621236947**	
JMA	X	12 11 30 37.9–.06	39.6N–.20	142.5E–.20	46–0	4.1,4.1		
IDC	X	12 11 30 37.8–.80	39.63N	142.49E	48–7	3.9,3.5b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.4km az=352.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF IWATE PREF .
IDC Error ellipse: s-maj=18.7km s-min=11.9km az=97.0.

(259) Mindanao

ISC	**X**	**12 15 16 11.7–.83**	**9.90N–.02**	**124.12E–.02**	**18–3**	**4.4b,3.2s**	**200**	**0-147**
DJA	X	12 15 16 08.7–2.7	11N–13	124E–4.0	29–16	5.2b,5.1	**¶621146427**	
IDC	X	12 15 16 08.3–.52	9.88N	124.28E	0	4.7L,4.1b		
NEIC	X	12 15 16 11.2–1.3	9.88N–.06	124.28E–.02	10–1	4.7b,4.1b		
MAN	X	12 15 16 11.4	9.85N	124.08E	13	5.2b,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=32.0km s-min=10.6km az=68.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=3.2km az=355.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - BATUAN BILAR CALAPE CATIGBIAN INABANGA
SAGBAYAN AND TUBIGON BOHOL ; . INTENSITY III - LILA LOAY LOBOC LOON AND
SIKATUNA BOHOL ; . INTENSITY II - DUERO AND CITY OF TAGBILARAN BOHOL ; .
INTENSITY I - CITY OF LAPU-LAPU.

(228) Near east coast of eastern Honshu

ISC	**X**	**12 22 08 10.8–.93**	**41.04N–.05**	**141.81E–.09**	**57**	**3.8b**	**24**	**0-71**
JMA	X	12 22 08 09.5–.11	41.0N–.30	142.0E–.40	58–0	3.4	**¶621236973**	
IDC	X	12 22 08 12.4–2.2	41.16N	141.53E	64–18	3.7,3.5b		

ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=35.0km s-min=15.1km az=112.0.

(221) Kuril Islands

ISC	**X**	**13 11 22 46.2–.65**	**44.07N–.04**	**146.70E–.04**	**104–5**	**4.0b**	**137**	**1-83**
MOS	X	13 11 22 45.6–.86	44.10N	146.63E	114	4.2b	**¶621147908**	
SKHL	X	13 11 22 46.9–.10	44.10N	146.70E	110–8	6.0,5.4b		
JMA	X	13 11 22 46.9–.27	44N–1.0	147E–2.0	98–3	3.6,5.4b		
NIED	X	13 11 22 46.9	44.05N	146.76E	98	3.9W,5.4b		
IDC	X	13 11 22 48.5–1.8	44.27N	146.42E	118–14	3.9,3.6b		
NEIC	X	13 11 22 49.0–.74	44.16N–.03	146.5E–.20	120–8	4.3b,3.6b		

ISC Event type ke.
MOS Event type fe. Felt (III) at Malokuril'skoe. Moment Tensor Solution.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.61 $M_{\theta\theta}$-1.44 $M_{\phi\phi}$-0.17
$M_{r\theta}$-4.35 $M_{\theta\phi}$-2.36 $M_{\phi r}$-5.88 NP1:ϕ_s86.00000°,δ13.00000°,λ140.00000°. NP2:ϕ_s215.00000°
,δ82.00000°,λ80.00000°. $M_0$7.75000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(236) Shikoku

ISC	**X**	**13 17 00 49.2–1.8**	**32.45N–.06**	**133.13E–.04**	**12–10**	**4.3b,3.0s**	**85**	**0-122**
IDC	X	13 17 00 47.4–.62	32.52N	133.25E	0	3.9b,3.9	**¶621238988**	
NEIC	X	13 17 00 49.1–1.8	32.46N–.07	133.15E–.07	13–4	4.6b,3.9		
NIED	X	13 17 00 49.3	32.45N	133.22E	20	4.0W,3.9		
JMA	X	13 17 00 49.3–.16	32.4N–.60	133.2E–.60	20–1	4.2,4.0		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.99 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.02
$M_{r\theta}$0.16 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.22 NP1:ϕ_s189.00000°,δ38.00000°,λ80.00000°. NP2:ϕ_s21.00000°
,δ52.00000°,λ98.00000°. $M_0$1.09000×10^{15}
JMA Event type fe. S OFF SHIKOKU .

(228) Near east coast of eastern Honshu

ISC	**X**	**13 19 30 34.0–1.3**	**37.65N–.05**	**141.72E–.09**	**35**	**3.5b**	**25**	**1-61**
IDC	X	13 19 30 33.8–5.4	37.70N	141.97E	47–44	3.5,3.3b	**¶621238993**	
JMA	X	13 19 30 35.4–.05	37.7N–.10	141.6E–.20	52–0	3.9,3.6		

ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

(212) Bonin Islands region

ISC	**X**	**13 23 44 00.3–.38**	**27.68N–.07**	**140.63E–.06**	**35**	**4.5b,3.9s**	**94**	**1-152**

NEIC X 13 23 43 58.7–1.4 27.69N–.09 140.70E–.09 17–4 4.6b,3.9s ¶621238999
JMA X 13 23 43 59.8–.12 27.8N–.80 141E–1.0 119 4.7,3.9s
IDC X 13 23 44 03.8–1.8 27.72N 140.59E 66–17 4.1,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.4km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR CHICHIJIMA ISLAND .
IDC Error ellipse: s-maj=17.5km s-min=12.6km az=51.0.

(254) Panay

ISC X 14 10 37 46.7–.66 11.01N–.03 121.84E–.03 36–1 4.2b,3.3s 109 1-100
MAN X 14 10 37 41.0 11.11N 121.78E 6 5.4b,4.5s ¶621240632
IDC X 14 10 37 42.2–.78 10.67N 121.82E 0 4.7L,3.9
NEIC X 14 10 37 47.5–1.6 10.90N–.08 121.9E–.10 36–6 4.4b,3.9
ISC Event type fe.
MAN Event type fe. INTENSITY IV - BARBAZA ANTIQUE ; . INTENSITY III - LAUA-AN AND TIBIAO ANTIQUE ; . INTENSITY II - BELISON BUGASONG AND SAN JOSE ANTIQUE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(249) Luzon

ISC X 14 14 08 37.0–.57 13.57N–.02 123.09E–.02 10 3.8b,3.2s 114 0-88
IDC X 14 14 08 35.2–1.1 13.56N 123.48E 0 5.0L,3.8b ¶621240642
MAN X 14 14 08 36.2 13.57N 123.10E 1 5.2b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=37.1km s-min=16.7km az=55.0.
MAN Event type fe. INTENSITY VI - CALABANGA MINALABAC AND PILI CAMARINES SUR; CITY OF NAGA ; . INTENSITY V - CANAMAN AND SIPOCOT CAMARINES SUR ; . INTENSITY IV - CAMALIGAN GAINZA AND OCAMPO CAMARINES SUR ; . INTENSITY III - CITY OF IRIGA CAMARINES SUR ; . INTENSITY II - CITY OF LEGAZPI ALBAY; BUHI CAMARINES SUR.

(249) Luzon

ISC X 14 17 20 59.2–1.0 13.63N–.02 123.17E–.02 11–7 4.2b,3.5s 151 0-150
IDC X 14 17 20 56.6–.75 13.62N 123.56E 0 4.6L,3.9b ¶621240651
MAN X 14 17 20 58.1 13.65N 123.14E 1 5.2b,4.3s
NEIC X 14 17 20 59.8–2.2 13.61N–.09 123.3E–.10 10–1 4.4b,4.3s
ISC Event type fe.
MAN Event type fe. INTENSITY VI - CALABANGA MINALABAC AND PILI CAMARINES SUR; CITY OF NAGA ; . INTENSITY V - SIPOCOT CAMARINES SUR ; . INTENSITY IV - CANAMAN MILAOR AND SAN FERNANDO CAMARINES SUR ; . INTENSITY III - CITY OF IRIGA AND OCAMPO CAMARINES SUR ; . INTENSITY II - CITY OF LEGAZPI ALBAY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(236) Shikoku

JMA X 14 20 16 18.0–.06 33.7N–.20 134.7E–.20 37–0 3.5
NIED X 14 20 16 18.0 33.74N 134.68E 37 3.5W ¶621385095
JMA Event type fe. SE OFF SHIKOKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.51 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$0.47 $M_{r\theta}$0.88 $M_{\theta\phi}$1.66 $M_{\phi r}$-0.11 NP1:ϕ_s349.00000°,δ64.00000°,λ176.00000°. NP2:ϕ_s80.00000° ,δ87.00000°,λ27.00000°. M_o2.01000×10^{14}

(230) Near south coast of eastern Honshu

JMA X 14 21 42 22.8–.09 35.5N–.20 139.0E–.30 20–0 3.6
NIED X 14 21 42 22.8 35.48N 139.04E 20 3.4W ¶621385096
JMA Event type fe. EASTERN YAMANASHI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.57 $M_{\theta\theta}$0.10 $M_{\phi\phi}$-0.67 $M_{r\theta}$-0.42 $M_{\theta\phi}$-1.13 $M_{\phi r}$0.33 NP1:ϕ_s255.00000°,δ65.00000°,λ153.00000°. NP2:ϕ_s357.00000° ,δ66.00000°,λ28.00000°. M_o1.39000×10^{14}

(233) Near south coast of western Honshu

ISC X 14 22 57 41.3–.79 34.00N–.05 135.20E–.04 10 3.6b 15 0-66
IDC X 14 22 57 39.9–1.3 34.00N 135.29E 0 3.6b,3.4 ¶621240660
NIED X 14 22 57 41.4 34.03N 135.24E 5 3.3W,3.4
JMA X 14 22 57 41.4–.02 34.03N–.08 135.2E–.10 5–0 3.3,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{13}Nm; M_{rr}7.28 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-7.87 $M_{r\theta}$5.72 $M_{\theta\phi}$-1.70 $M_{\phi r}$0.38 NP1:ϕ_s166.00000°,δ46.00000°,λ47.00000°. NP2:ϕ_s39.00000° ,δ58.00000°,λ125.00000°. M_o9.47000×10^{13}
JMA Event type fe. NW WAKAYAMA PREF .

(232) Western Honshu

JMA X 15 07 53 28.6–.08 34.8N–.20 136.1E–.20 56–0 3.6
NIED X 15 07 53 28.6 34.77N 136.10E 56 3.6W ¶621385097
JMA Event type fe. NORTHERN MIE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.15 $M_{\theta\theta}$1.67 $M_{\phi\phi}$-2.82 $M_{r\theta}$-1.07 $M_{\theta\phi}$-1.47 $M_{\phi r}$-0.27 NP1:ϕ_s335.00000°,δ62.00000°,λ19.00000°. NP2:ϕ_s236.00000° ,δ73.00000°,λ151.00000°. M_o3.02000×10^{14}

(259) Mindanao

ISC X 15 16 54 47.4–.32 8.78N–.03 126.43E–.04 67–2 4.8b 463 0-145
BJI X 15 16 54 45.2 8.75N 126.38E 65 5.2b,4.7b ¶621203259
GFZ X 15 16 54 45.1–.23 9N–2.0 127E–3.0 48–2 5.4L,5.4
MAN X 15 16 54 46.8 8.74N 126.43E 28 5.4b,4.6s
NEIC X 15 16 54 48.5–1.9 8.82N–.08 126.27E–.09 68–2 4.9b,4.6s
DJA X 15 16 54 49.4–.70 9N–5.0 126E–4.0 75–5 5.2,5.2b
IDC X 15 16 54 50.1–1.0 8.79N 126.31E 93–9 4.5,4.2b
ISC Event type fe.
GFZ Error ellipse: s-maj=5.6km s-min=3.8km az=93.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MAN Event type fe. INTENSITY IV - MARIHATAG AND SAN AGUSTIN SURIGAO DEL SUR ; . INTENSITY III - SAN FRANCISCO AGUSAN DEL SUR; CAGWAIT AND CITY OF TANDAG SURIGAO DEL SUR ; . INTENSITY II - CITY OF BISLIG SURIGAO DEL SUR.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=11.1km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.2km s-min=7.2km az=88.0.

(238) Ryukyu Islands

ISC X 15 17 50 14.2–.85 27.34N–.06 128.29E–.07 57–8 3.5b 30 0-51
IDC X 15 17 50 13.9–.94 27.27N 128.22E 52–9 3.6,3.3b ¶621242075
JMA X 15 17 50 14.4–.15 27.3N–.60 128.3E–.70 57–1 3.3,3.3b
ISC Event type ke.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

(238) Ryukyu Islands

JMA X 15 18 34 15.4–.31 26.3N–.80 128E–1.0 19–4 3.9
NIED X 15 18 34 15.4 26.25N 128.37E 19 4.0W ¶626635300
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.52 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.84 $M_{\theta\phi}$-0.21 $M_{\phi r}$0.67 NP1:ϕ_s257.00000°,δ14.00000°,λ113.00000°. NP2:ϕ_s53.00000° ,δ77.00000°,λ84.00000°. M_o1.19000×10^{15}

(221) Kuril Islands

ISC X 16 02 02 13.5–.24 45.76N–.03 149.35E–.03 152–1 5.0b 1343 1-154
BJI X 16 02 02 09.9 45.69N 149.55E 145 5.2b,5.1b ¶621204468
MOS X 16 02 02 12.4–1.1 45.84N 149.26E 150 5.1b,5.1b
SKHL X 16 02 02 12.0–.20 45.50N 149.70E 143–7 6.1,5.8
GFZ X 16 02 02 13.5–.45 46N–2.0 149E–2.0 144–4 6.6,6.5
NEIC X 16 02 02 13.5–2.2 45.80N–.07 149.30E–.10 147–4 4.9b,6.5
IDC X 16 02 02 13.6–.41 45.86N 149.21E 149–3 4.9,4.5b
BGR X 16 02 02 14.9 47.78N 147.77E 33 5.4b,4.5b
GCMT X 16 02 02 15.3–.20 45.70N–.01 149.43E–.02 146–2 5.0W,4.5b
JMA X 16 02 02 15.8–.55 45N–2.0 149E–3.0 151 5.1,4.9
ISC Event type ke.
MOS Event type fe. Felt (II) at Malokuril'skoe, Reydovo, Yuzhno-Kuril'sk. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110160202A. Moment Tensor Solution. s37,c50; s109,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.39±.12 $M_{\theta\theta}$0.60±.14; $M_{\phi\phi}$-0.98±.13; $M_{r\theta}$3.57±.09; $M_{\theta\phi}$-0.58±.13; $M_{\phi r}$1.54±.07; Best double couple: NP1:ϕ_s163.00000°,δ14.00000° ,λ8.00000°. NP2:ϕ_s65.00000°,δ88.00000°,λ104.00000°. Principal axes: T 4.1540,Plg45.0000°,Azm349.0000°; N -0.2730,Plg14.0000°,Azm244.0000° ; P -3.8820,Plg41.0000°,Azm141.0000° M_o4.01800×10^{16}
JMA Event type fe. NEAR ETOROFU ISLAND .

(259) Mindanao

ISC X 16 04 42 39.8–1.5 7.87N–.03 126.87E–.05 17–8 4.1b,3.0s 82 0-122
IDC X 16 04 42 36.0–.78 8.20N 127.10E 0 4.0b,4.0 ¶621242104
MAN X 16 04 42 43.0 7.94N 126.78E 22 5.0b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=22.1km s-min=15.9km az=104.0.
MAN Event type fe. INTENSITY II - BOSTON AND CATEEL DAVAO ORIENTAL.

(232) Western Honshu

ISC X 16 12 48 32.7–1.2 35.06N–.04 135.62E–.04 16–9 3.5b 24 0-82
IDC X 16 12 48 30.6–.79 34.89N 135.73E 0 3.5b,3.5 ¶621242122
NIED X 16 12 48 32.7 35.07N 135.62E 12 3.7W,3.5
JMA X 16 12 48 32.7–.03 35.07N–.07 135.62E–.08 12–0 3.9,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.77 $M_{\theta\theta}$1.16 $M_{\phi\phi}$-3.93 $M_{r\theta}$-1.44 $M_{\theta\phi}$0.25 $M_{\phi r}$-0.00 NP1:ϕ_s204.00000°,δ52.00000°,λ130.00000°. NP2:ϕ_s330.00000° ,δ53.00000°,λ51.00000°. M_o3.78000×10^{14}
JMA Event type fe. MID KYOTO PREF .

(238) Ryukyu Islands

ISC X 17 02 32 07.0–.66 29.44N–.03 130.72E–.04 26–4 5.0b,4.5s 489 1-147
BJI X 17 02 32 02.3 29.07N 131.06E 30 5.1b,5.0s ¶621204801
IDC X 17 02 32 03.7–.47 29.58N 130.61E 0 4.5b,4.5
GFZ X 17 02 32 05.9–.22 29N–4.0 131E–4.0 10 6.1b,5.8
NEIC X 17 02 32 07.6–1.6 29.46N–.04 130.62E–.07 25–4 5.1b,5.8
NIED X 17 02 32 07.9 29.49N 130.70E 52 5.0W,5.8
JMA X 17 02 32 07.9–.09 29.5N–.40 130.7E–.60 52–2 5.0W,4.8
GCMT X 17 02 32 10.4–.30 29.41N–.02 130.59E–.02 31–0 5.0W,4.8
BGR X 17 02 32 11.0 29.22N 129.62E 30 5.0b,5.0s
ISC Event type ke.
IDC Error ellipse: s-maj=12.7km s-min=9.2km az=103.0.
GFZ Error ellipse: s-maj=9.5km s-min=6.2km az=126.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.1km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.11 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$-0.65 $M_{r\theta}$0.86 $M_{\theta\phi}$-1.49 $M_{\phi r}$3.29 NP1:ϕ_s257.00000°,δ25.00000°,λ141.00000°. NP2:ϕ_s23.00000° ,δ75.00000°,λ70.00000°. M_o4.15000×10^{16}
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110170232A. Moment Tensor Solution. s57,c93; s88,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.40±.16 $M_{\theta\theta}$-2.29±.12; $M_{\phi\phi}$-1.11±.12; $M_{r\theta}$1.06±.16; $M_{\theta\phi}$-2.26±.08; $M_{\phi r}$0.96±.17; Best double couple: NP1:ϕ_s235.00000°,δ35.00000° ,λ94.00000°. NP2:ϕ_s50.00000°,δ56.00000°,λ88.00000°. Principal axes: T 3.6690,Plg79.0000°,Azm311.0000°; N 0.6320,Plg2.0000°,Azm52.0000° ; P -4.3000,Plg11.0000°,Azm142.0000° M_o3.98400×10^{16}
BGR Event type ke.

(249) Luzon

ISC X 17 10 51 55.3–1.1 13.60N–.02 123.15E–.02 4–8 3.6b,3.3s 113 0-150
IDC X 17 10 51 54.2–.90 13.57N 123.46E 0 5.1L,3.6b ¶621242881
MAN X 17 10 51 55.6 13.66N 123.16E 6 5.1b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=29.8km s-min=15.2km az=46.0.
MAN Event type fe. INTENSITY V - CANAMAN AND PAMPLONA CAMARINES SUR; CITY OF NAGA ; . INTENSITY IV - CALABANGA CAMALIGAN LIBMANAN MILAOR PILI AND SAN FERNANDO CAMARINES SUR ; . INTENSITY III - LUPI AND SIPOCOT CAMARINES SUR.

(228) Near east coast of eastern Honshu

ISC X 17 15 49 31.0–.32 40.92N–.03 142.24E–.04 71–2 4.8b 772 1-153
BJI X 17 15 49 28.2 40.98N 142.34E 75 4.9b,4.8b ¶621205018
MOS X 17 15 49 29.7–.94 40.98N 142.19E 70 5.2b,4.8b
NIED X 17 15 49 30.4 40.94N 142.22E 61 4.5W,4.8b
JMA X 17 15 49 30.4–.09 40.9N–.30 142.2E–.30 61–0 4.7,4.6
NEIC X 17 15 49 31.4–.84 40.97N–.06 142.2E–.10 68–5 4.8b,4.6
BGR X 17 15 49 31.9 41.54N 142.24E 33 4.9b,4.6
IDC X 17 15 49 31.0–.65 40.93N 142.17E 68–5 4.8,4.5b
GFZ X 17 15 49 31.5–.36 41N–4.0 142E–5.0 64–3 5.5b,5.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-5.29 $M_{\theta\theta}$5.77 $M_{\phi\phi}$-0.48 $M_{r\theta}$-3.18 $M_{\theta\phi}$-1.15 $M_{\phi r}$-0.56 NP1:ϕ_s292.00000°,δ32.00000°,λ-71.00000°. NP2:ϕ_s89.00000° ,δ60.00000°,λ-102.00000°. M_o6.51000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC X 18 02 01 19.7–.56 38.19N–.04 141.70E–.06 48–3 4.5b,3.2s 197 0-146
NIED X 18 02 01 19.9 38.17N 141.69E 52 4.0W,3.2s ¶621206654
MOS X 18 02 01 19.6–.93 38.26N 141.63E 59 4.8b,3.2s
JMA X 18 02 01 19.9–.08 38.2N–.20 141.7E–.30 52–0 4.3,4.1
GFZ X 18 02 01 20.3–.63 38N–5.0 142E–8.0 72–3 5.6b,5.1
IDC X 18 02 01 22.3–1.8 38.24N 141.75E 71–15 4.1,3.8b
NEIC X 18 02 01 23.2–1.6 38.28N–.07 141.54E–.04 71–6 4.6b,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.89 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.67 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.63 NP1:ϕ_s209.00000°,δ25.00000°,λ91.00000°. NP2:ϕ_s28.00000° ,δ65.00000°,λ90.00000°. M_o1.13000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(233) Near south coast of western Honshu

JMA X 18 06 21 34.8–.05 33.7N–.20 135.1E–.20 40–0 3.5
NIED X 18 06 21 34.8 33.73N 135.08E 40 3.6W ¶621385099
JMA Event type fe. S PART OF KII CHANNEL .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.57 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$2.18 $M_{r\theta}$-0.76 $M_{\theta\phi}$-2.26 $M_{\phi r}$-1.02 NP1:ϕ_s112.00000°,δ66.00000°,λ-169.00000°. NP2:ϕ_s18.00000° ,δ80.00000°,λ-24.00000°. M_o3.25000×10^{14}

(218) Near east coast of Kamchatka Peninsula

ISC X 18 08 24 31.7–.22 53.93N–.02 158.71E–.03 176–1 5.4b 1802 0-160
BJI X 18 08 24 27.9 54.05N 159.03E 176 5.3b,5.2b ¶621206689
KRSC X 18 08 24 29.1–.99 53.89N 158.97E 186–11 5.9L,5.2b
MOS X 18 08 24 30.5–.85 53.96N 158.66E 179 5.7b,4.2s
NEIC X 18 08 24 31.8 54.00N 158.64E 172 5.7b,4.2s
BGR X 18 08 24 31.0 53.65N 158.42E 182–4 6.4,6.2b
NEIC X 18 08 24 31.6–1.1 53.98N–.07 158.6E–.10 173–1 5.3b,6.2b
IDC X 18 08 24 32.3–.30 54.04N 158.60E 176–2 5.7,5.2b
GFZ X 18 08 24 32.4 54.00N 158.63E 177 5.3W,5.2b
GFZ X 18 08 24 32.2–.41 54N–3.0 159E–3.0 174–4 5.9b,5.7b
GCMT X 18 08 24 34.3–.30 53.83N–.02 158.80E–.04 183–3 5.4W,5.7b
NEIC X 18 08 24 41 54.00N 158.64E 170 5.3,5.7b
ISC Event type ke.
KRSC Event type se. Felt [IV] at kordon Aerodrom; [III-IV] at kordon Semyachik, cape Shipunskiy; [III] at HMS Semyachik, kordon Uzon; [II-III] at kordon Valley of Geysers, Petropavlovsk; [II] at Ust-Kamchatsk; Felt at Noviy.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=2.9km az=88.0. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type se.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.2km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=6.9km s-min=5.7km az=125.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.53 $M_{r\theta}$-0.77 $M_{\theta\phi}$-0.63 $M_{\phi r}$-0.21 NP1: ϕ_s245.47674°,δ73.60805°,λ123.56687°. NP2:ϕ_s358.51624°,δ36.92974°,λ28.01422°. Principal axes: T 1.1069,Plg49.8885°,Azm192.8373°; N 0.0718,Plg32.0349°,Azm54.8702° ; P -1.1787,Plg21.4502°,Azm310.6383° M_o1.14450×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110180824A. Moment Tensor Solution. s25,c32; s107,c164; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.34±.06 $M_{\theta\theta}$0.41±.06; $M_{\phi\phi}$-0.75±.06; $M_{r\theta}$-1.30±.05; $M_{\theta\phi}$-0.95±.05; $M_{\phi r}$-0.41±.05; Best double couple: NP1:ϕ_s348.00000° ,δ39.00000°,λ11.00000°. NP2:ϕ_s249.00000°,δ83.00000°,λ128.00000°. Principal axes: T 1.7500,Plg40.0000°,Azm194.0000°; N 0.0700,Plg38.0000°,Azm64.0000° ; P -1.8190,Plg28.0000°,Azm310.0000° $M_0$1.78500×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.91 $M_{\theta\phi}$-0.50 $M_{\phi r}$-0.23 NP1:ϕ_s0.94000°,δ30.86000° ,λ29.37000°. NP2:ϕ_s245.15000°,δ75.43000°,λ117.51000°. Principal axes: T 1.2192,Plg52.0000°,Azm187.0000°; N -0.0653,Plg27.0000°,Azm58.0000° ; P -1.1539,Plg25.0000°,Azm314.0000° $M_0$1.19000×10^{17}

(248) Philippine Islands region

ISC	**X**	**19 02 11 17.1–1.2**	**13.65N–.02**	**119.92E–.04**	**25–8**	**4.4b,3.2s**	**100**	**0-87**
NEIC	X	19 02 11 15.1–1.1	13.96N–.10	120.7E–.20	10–0	4.5b,3.2s	**¶621244057**	
MAN	X	19 02 11 15.3	13.63N	119.81E	10	5.0b,4.0s		
IDC	X	19 02 11 20.8–2.7	13.66N	120.03E	58–28	4.1,3.8b		

ISC Event type fe.

NEIC Event type se. Error ellipse: s-maj=29.6km s-min=15.8km az=259.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MAN Event type fe. INTENSITY III - LUBANG OCCIDENTAL MINDORO.

IDC Error ellipse: s-maj=34.6km s-min=13.8km az=64.0.

(226) Near west coast of eastern Honshu

ISC	**X**	**19 06 03 06.9–.95**	**37.52N–.05**	**137.27E–.06**	**17–6**		**14**	**0-61**
IDC	X	19 06 03 04.4–1.3	37.54N	137.20E	0	3.7b,3.5	**¶621244060**	
JMA	X	19 06 03 07.0–.04	37.5N–.10	137.2E–.20	13–0	4.1,4.0		

ISC Event type ke.

JMA Event type fe. NOTO PENINSULA REGION .

(224) Hokkaido region

ISC	**X**	**19 12 36 38.3–.24**	**41.50N–.03**	**142.88E–.03**	**44–1**	**5.4b,4.7s**	**1286**	**1-157**
BJI	X	19 12 36 35.7	41.45N	142.95E	47	5.3b,5.2b	**¶621217256**	
MOS	X	19 12 36 36.9–1.0	41.47N	142.83E	44	5.6b,4.9s		
NEIC	X	19 12 36 37.6	41.50N	142.84E	36	5.6b,4.9s		
NEIC	X	19 12 36 37.8–.99	41.51N–.05	142.83E–.09	38–4	5.4b,5.2		
JMA	X	19 12 36 39.5–.10	41.5N–.40	142.9E–.50	38–1	5.4,5.3W		
NIED	X	19 12 36 39.5	41.54N	142.91E	38	5.3W,5.3W		
GFZ	X	19 12 36 39.4–.44	42N–4.0	143E–6.0	53–3	5.7b,5.4b		
NEIC	X	19 12 36 39.2	41.56N	142.85E	41	5.7b,5.4b		
NEIC	X	19 12 36 39.7	41.46N	143.38E	36	5.3,5.4b		
GCMT	X	19 12 36 40.7–.10	41.53N–.01	142.90E–.01	35–0	5.3W,5.4b		
GFZ	X	19 12 36 40.2	41.55N	142.86E	39	5.3W,5.4b		
IDC	X	19 12 36 41.7–1.2	41.50N	142.76E	66–9	5.1,4.9b		
BGR	X	19 12 36 42.3	42.10N	142.87E	33	5.2b,4.9s		

ISC Event type ke.

MOS Error ellipse: s-maj=5.4km s-min=3.6km az=110.2.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.0km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.59 $M_{\theta\theta}$3.58 $M_{\phi\phi}$3.02 $M_{r\theta}$-2.79 $M_{\theta\phi}$-4.11 $M_{\phi r}$-0.68 NP1:ϕ_s114.52000°,δ54.46000°,λ-113.70000°. NP2:ϕ_s331.57000° ,δ41.84000°,λ-60.64000°. Principal axes: T 7.6038,Plg7.0000°,Azm221.0000° ; N 0.0059,Plg19.0000°,Azm129.0000°; P -7.6097,Plg70.0000°,Azm330.0000° $M_0$7.61000×10^{16}

JMA Event type fe. E OFF AOMORI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83 $M_{\theta\theta}$0.77 $M_{\phi\phi}$0.07 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.51 $M_{\phi r}$0.28 NP1:ϕ_s142.00000°,δ44.00000°,λ-52.00000°. NP2:ϕ_s274.00000° ,δ57.00000°,λ-121.00000°. $M_0$1.06000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87 $M_{\theta\theta}$0.75 $M_{\phi\phi}$0.12 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.45 $M_{\phi r}$0.32 NP1:ϕ_s139.62000°,δ45.85000° ,λ-55.43000°. NP2:ϕ_s274.93000°,δ53.79000°,λ-120.31000°. Principal axes: T 0.9925,Plg4.0000°,Azm26.0000°; N 0.0742,Plg24.0000°,Azm294.0000° ; P -1.0667,Plg66.0000°,Azm125.0000° $M_0$1.03000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110191236A. Moment Tensor Solution. s109,c177; s140,c252;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67±.02 $M_{\theta\theta}$0.89±.01; $M_{\phi\phi}$-0.21±.01; $M_{r\theta}$0.23±.02; $M_{\theta\phi}$-0.53±.01; $M_{\phi r}$0.41±.02; Best double couple: NP1: ϕ_s144.00000°,δ54.00000°,λ-41.00000°. NP2:ϕ_s261.00000°,δ58.00000°,λ-136.00000°. Principal axes: T 1.1030,Plg2.0000°,Azm21.0000°; N -0.0690,Plg38.0000°,Azm290.0000° ; P -1.0330,Plg52.0000°,Azm114.0000° $M_0$1.06800×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.66 $M_{\theta\theta}$7.82 $M_{\phi\phi}$0.85 $M_{r\theta}$2.04 $M_{\theta\phi}$-3.86 $M_{\phi r}$2.51 NP1: ϕ_s132.20674°,δ45.45486°,λ-62.50691°. NP2:ϕ_s275.63542°,δ50.78660°,λ-115.12799°. Principal axes: T 9.5788,Plg2.8072°,Azm23.1307°; N 0.2161,Plg19.2088°,Azm292.1519° ; P -9.7949,Plg70.5711°,Azm121.1215° $M_0$9.68862×10^{16}

IDC Error ellipse: s-maj=10.0km s-min=7.9km az=94.0.

BGR Event type ke.

(224) Hokkaido region

ISC	**X**	**19 15 18 17.8–.80**	**41.49N–.05**	**142.98E–.04**	**46–7**	**4.4b,3.3s**	**192**	**1-131**
MOS	X	19 15 18 12.4–1.6	41.46N	142.89E	11	4.7b,3.3s	**¶626637745**	
NEIC	X	19 15 18 17.6–1.9	41.61N–.06	142.80E–.10	35–1	4.5b,3.3s		
JMA	X	19 15 18 18.7–.07	41.6N–.30	142.9E–.40	34–0	4.2,4.1		
NIED	X	19 15 18 18.7	41.56N	142.90E	34	4.2W,4.1		
IDC	X	19 15 18 21.0–1.7	41.51N	142.75E	72–13	4.2,3.9b		

ISC Event type ke.

MOS Error ellipse: s-maj=9.1km s-min=5.9km az=84.1.

NEIC Event type se. Error ellipse: s-maj=15.6km s-min=4.6km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. E OFF AOMORI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.95 $M_{\theta\theta}$0.96 $M_{\phi\phi}$0.99 $M_{r\theta}$-0.15 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.93 NP1:ϕ_s120.00000°,δ39.00000°,λ-117.00000°. NP2:ϕ_s334.00000° ,δ56.00000°,λ-70.00000°. $M_0$2.10000×10^{15}

IDC Error ellipse: s-maj=14.5km s-min=11.0km az=114.0.

(224) Hokkaido region

ISC	**X**	**19 22 10 48.2–.94**	**41.47N–.05**	**143.05E–.05**	**48–8**	**4.3b,3.6s**	**149**	**1-148**
MOS	X	19 22 10 46.8–.89	41.47N	142.97E	52	4.5b,3.6s	**¶626637968**	
NEIC	X	19 22 10 47.9–2.3	41.51N–.04	143.1E–.10	36–6	4.5b,3.6s		
JMA	X	19 22 10 48.3–.08	41.6N–.30	142.9E–.40	34–0	4.2,4.2		
NIED	X	19 22 10 48.3	41.55N	142.91E	34	4.2W,4.2		
IDC	X	19 22 10 50.8–1.7	41.55N	142.84E	73–14	4.1,3.8b		

ISC Event type ke.

MOS Error ellipse: s-maj=9.4km s-min=6.6km az=74.8.

NEIC Event type se. Error ellipse: s-maj=13.5km s-min=1.6km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. E OFF AOMORI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.03 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-0.58 $M_{r\theta}$-0.52 $M_{\theta\phi}$-0.92 $M_{\phi r}$1.97 NP1:ϕ_s255.00000°,δ28.00000°,λ-179.00000°. NP2:ϕ_s164.00000° ,δ90.00000°,λ-62.00000°. $M_0$2.31000×10^{15}

IDC Error ellipse: s-maj=14.9km s-min=10.6km az=125.0.

(256) Leyte

ISC	**X**	**19 22 12 24.2–1.0**	**10.95N–.02**	**124.80E–.02**	**8–7**	**4.2b,3.6s**	**130**	**0-92**
MAN	X	19 22 12 23.8	10.93N	124.79E	3	5.0b,4.0s	**¶621224682**	
NEIC	X	19 22 12 24.7–1.4	10.94N–.09	124.8E–.10	10–1	4.5b,4.0s		
IDC	X	19 22 12 36.0–2.3	10.90N	124.99E	117–26	4.1,3.6b		

ISC Event type fe.

MAN Event type fe. INTENSITY IV - ALBUERA LEYTE; ORMOC CITY ; . INTENSITY III - CITY OF BAYBAY BURAUEN DULAG AND LA PAZ LEYTE ; . INTENSITY II - ABUYOG JAVIER JULITA PASTRANA AND TABONTABON LEYTE.

NEIC Event type se. Error ellipse: s-maj=20.5km s-min=15.4km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=32.0km s-min=14.9km az=75.0.

(337) Eastern Caucasus

ISC	**X**	**20 04 45 42.3–.60**	**43.16N–.02**	**45.54E–.01**	**14–4**	**4.6b,4.0s**	**658**	**0-133**
BJI	X	20 04 45 37.3	43.40N	45.07E	10	4.9b,4.6s	**¶621221501**	
IDC	X	20 04 45 39.5–.48	43.08N	45.46E	0	4.4,4.3L		
MOS	X	20 04 45 40.8	43.03N	45.55E	13–0	5.3,4.3L		
NOGSR	X	20 04 45 41.1	42.99N	45.54E	17–0	5.3,4.3L		
NEIC	X	20 04 45 41.9–.67	43.25N–.04	45.57E–.07	10–1	4.8b,4.3L		
GCMT	X	20 04 45 41.4–.30	43.22N–.02	45.59E–.05	17–1	4.8W,4.3L		
TIF	X	20 04 45 42.1	43.03N	45.53E	13–0	4.8W,4.3L		
DAGSR	X	20 04 45 42.4	43.00N	45.56E	15	4.8W,4.3L		
ISK	X	20 04 45 42.4	43.20N	45.24E	5–0	4.6L,4.3L		
GFZ	X	20 04 45 43.9–.23	43N–3.0	46E–3.0	10	5.2b,5.0L		

ISC Event type ke.

MOS Event type se.

NOGSR Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110200445A. Moment Tensor Solution. s12,c13; s72,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.40±.11 $M_{\theta\theta}$-1.31±.08; $M_{\phi\phi}$-0.09±.06; $M_{r\theta}$-0.91±.16; $M_{\theta\phi}$0.14±.04; $M_{\phi r}$0.25±.17; Best double couple: NP1:ϕ_s92.00000°,δ28.00000° ,λ82.00000°. NP2:ϕ_s281.00000°,δ62.00000°,λ94.00000°. Principal axes: T 1.7010,Plg72.0000°,Azm202.0000°; N -0.0940,Plg4.0000°,Azm99.0000° ; P -1.6160,Plg17.0000°,Azm8.0000° $M_0$1.65800×10^{16}

DAGSR Event type se. #FELT I=V MSK at Alkhan-Yurt, Goity, I=IV-V MSK at Urus-Martan, Alkhan-Kala, Oktyabrskoe, Chernorechye, Alkhazurovo, Goy-Chu, #I=IV MSK at Martan-Chu, Gekhi, Khambi-Irze, Krasnostepnovskoye, Katayama, Andreevskaya Dolina, Grozny, Prigorodnoye, Gikalo, #Starye Atagi, Duba-Yurt, Lakha-Varanda, Chiri-Yurt, I=IV MSK at Nalchik, Gudauri.

ISK Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	**X**	**21 07 44 18.8–1.1**	**38.89N–.06**	**142.02E–.09**	**49–9**	**4.3b**	**59**	**0-76**
IDC	X	21 07 44 19.9–2.2	38.84N	142.12E	64–19	4.0,3.7b	**¶621261390**	
NIED	X	21 07 44 19.3	38.89N	141.97E	49	3.7W,3.7b		
JMA	X	21 07 44 19.3–.08	38.9N–.20	142.0E–.30	49–0	3.8,3.7b		
NEIC	X	21 07 44 21.0–.89	38.99N–.07	141.94E–.04	64–9	4.2b,3.7b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.91 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-2.74 $M_{r\theta}$0.98 $M_{\theta\phi}$-0.99 $M_{\phi r}$3.29 NP1:ϕ_s201.00000°,δ21.00000°,λ93.00000°. NP2:ϕ_s17.00000° ,δ69.00000°,λ89.00000°. $M_0$4.55000×10^{14}

JMA Event type fe. KINKAZAN REGION .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(211) Southeast of Honshu

ISC	**X**	**21 08 36 47.6–.20**	**32.13N–.02**	**138.22E–.03**	**341–1**	**5.3b**	**1718**	**1-168**
BJI	X	21 08 36 44.0	32.13N	138.14E	313	5.6b,5.5b	**¶621229682**	
MOS	X	21 08 36 45.8–.91	32.10N	138.18E	330	5.8b,5.5b		
JMA	X	21 08 36 45.6–.46	32N–2.0	138E–1.0	356–4	5.6,5.5W		
NIED	X	21 08 36 45.6	32.18N	138.45E	356	5.6W,5.5W		
IDC	X	21 08 36 46.9–.32	32.10N	138.20E	330–2	5.8,5.0b		
NEIC	X	21 08 36 48.0–1.6	32.11N–.07	138.16E–.08	336–4	5.3b,5.0b		
NEIC	X	21 08 36 47.3	32.10N	138.23E	334	5.3b,5.0b		
NEIC	X	21 08 36 47.8	32.20N	138.35E	360	5.5,5.0b		
GFZ	X	21 08 36 47.2–.22	32N–2.0	138E–3.0	337–2	5.9b,5.7		
GFZ	X	21 08 36 47.8	32.10N	138.23E	346	5.5W,5.7		
GCMT	X	21 08 36 49.8–.40	32.18N–.05	138.17E–.06	333–2	5.7W,5.7		
BGR	X	21 08 36 49.0	32.35N	138.94E	357–3	6.2,5.8b		

ISC Event type ke.

MOS Error ellipse: s-maj=6.5km s-min=3.5km az=110.4.

JMA Event type fe. FAR S OFF TOKAI DISTRICT.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.28 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$0.95 $M_{r\theta}$-1.66 $M_{\theta\phi}$-0.46 $M_{\phi r}$-1.62 NP1:ϕ_s124.00000°,δ26.00000°,λ170.00000°. NP2:ϕ_s223.00000° ,δ86.00000°,λ65.00000°. $M_0$2.60000×10^{17}

IDC Error ellipse: s-maj=7.2km s-min=5.3km az=75.0.

NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.4km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22 $M_{\theta\theta}$-1.07 $M_{\phi\phi}$0.84 $M_{r\theta}$-1.51 $M_{\theta\phi}$-0.32 $M_{\phi r}$-1.80 NP1:ϕ_s123.41000°,δ23.00000° ,λ172.44000°. NP2:ϕ_s220.38000°,δ87.05000°,λ67.18000°. Principal axes: T 2.5281,Plg43.0000°,Azm108.0000°; N 0.0672,Plg23.0000°,Azm222.0000° ; P -2.5953,Plg38.0000°,Azm331.0000° $M_0$2.56000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.47 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$0.49 $M_{r\theta}$-1.19 $M_{\theta\phi}$-0.27 $M_{\phi r}$-1.48 NP1: ϕ_s115.40495°,δ22.26790°,λ162.05433°. NP2:ϕ_s222.08937°,δ83.29506°,λ68.71639°. Principal axes: T 2.1148,Plg47.4707°,Azm109.7739°; N -0.0494,Plg21.1310°,Azm224.6936° ; P -2.0654,Plg34.8768°,Azm330.3213° $M_0$2.09058×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110210836A. Moment Tensor Solution. s68,c82;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.51±.15 $M_{\theta\theta}$-1.30±.21; $M_{\phi\phi}$0.79±.21; $M_{r\theta}$-2.64±.18; $M_{\theta\phi}$-0.90±.20; $M_{\phi r}$-2.89±.17; Best double couple: NP1:ϕ_s113.00000°,δ17.00000°,λ162.00000°. NP2:ϕ_s221.00000° ,δ85.00000°,λ74.00000°. Principal axes: T 3.8750,Plg48.0000°,Azm114.0000° ; N 0.5430,Plg16.0000°,Azm222.0000°; P -4.4180,Plg38.0000°,Azm325.0000° $M_0$4.14700×10^{17}

BGR Event type ke.

(249) Luzon

ISC	**X**	**22 05 19 42.6–1.2**	**14.48N–.03**	**123.55E–.03**	**13–7**	**4.6b,3.6s**	**176**	**1-97**
MAN	X	22 05 19 43.9	14.54N	123.39E	1	5.2b,4.4s	**¶621236067**	
GFZ	X	22 05 19 47.3–.51	14N–4.0	124E–4.0	61–5	5.3b,4.7		
NEIC	X	22 05 19 50.7–1.2	14.46N–.09	123.4E–.10	68–8	4.5b,4.7		
IDC	X	22 05 19 55.0–2.5	14.09N	122.94E	114–24	4.1,3.8b		

ISC Event type fe.

MAN Event type fe. INTENSITY III - LABO AND SAN VICENTE CAMARINES NORTE ; . INTENSITY II - DAET PARACALE AND VINZONS CAMARINES NORTE ; . INTENSITY I - GUINAYANGAN QUEZON.

GFZ Error ellipse: s-maj=10.9km s-min=6.8km az=53.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=17.3km s-min=12.7km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=30.9km s-min=12.2km az=60.0.

(249) Luzon

ISC	**X**	**22 19 44 48.3–1.1**	**13.60N–.02**	**123.17E–.02**	**6–7**	**4.2b,3.3s**	**148**	**0-150**
IDC	X	22 19 44 46.5–.87	13.59N	123.48E	0	5.1L,3.9b	**¶621309343**	
MAN	X	22 19 44 48.3	13.65N	123.16E	1	5.2b,4.2s		
NEIC	X	22 19 44 53.5–1.8	13.57N–.10	123.2E–.10	41–7	4.4b,4.2s		

ISC Event type fe.

MAN Event type fe. INTENSITY V - CANAMAN MILAOR PASACAO PILI AND SIPOCOT CAMARINES SUR; CITY OF NAGA ; . INTENSITY IV - CAMALIGAN LIBMANAN OCAMPO AND PAMPLONA CAMARINES SUR ; . INTENSITY III - BALATAN CAMARINES SUR ; . INTENSITY II - LAGONOY AND SAN JOSE CAMARINES SUR.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(326) Southwestern Siberia

ISC	**X**	**22 23 03 03.7–.42**	**51.40N–.02**	**91.58E–.02**	**14–2**	**4.9b,4.3s**	**656**	**1-158**
IDC	X	22 23 03 00.7–.45	51.38N	91.73E	0	4.3L,4.2b	**¶621237647**	
NEIC	X	22 23 03 01.9–1.5	51.42N–.07	91.8E–.10	10–1	5.0b,4.2b		
MOS	X	22 23 03 01.7–1.2	51.47N	91.58E	12	5.0b,4.4s		
ASGSR	X	22 23 03 03.9–.34	51N–2.0	91E–2.0	10	5.6,4.4s		
GFZ	X	22 23 03 04.4–.16	51N–3.0	92E–2.0	10	5.9L,5.2b		
GCMT	X	22 23 03 04.9–.20	51.39N–.01	91.67E–.02	30–0	5.0W,5.2b		
NNC	X	22 23 03 05.7–1.9	51.43N	91.07E	0	5.3b,5.2		
BJI	X	22 23 03 07.4	50.87N	91.39E	7	5.5L,5.1s		

ISC Event type ke.

IDC Error ellipse: s-maj=11.5km s-min=6.2km az=10.0.

NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.1km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Error ellipse: s-maj=5.5km s-min=4.9km az=4.3. Felt (IV) at Chadan; (III) at Abakan, Minusinsk, Kalinino, Sayanogorsk; (II-III) at Kyzyl-Mazhalyk. Moment Tensor Solution.
ASGSR Event type ke. Error ellipse: s-maj=5.0km s-min=2.4km az=128.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ Error ellipse: s-maj=5.9km s-min=5.0km az=5.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110222303A. Moment Tensor Solution. s53,c66; s112,c183; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.16±.14 $M_{\theta\theta}$-3.50±.11; $M_{\phi\phi}$3.34±.10; $M_{r\theta}$1.04±.19; $M_{\theta\phi}$2.16±.07; $M_{\phi r}$-0.07±.14; Best double couple: NP1:ϕ_s332.00000°,δ79.00000°,λ-173.00000°. NP2:ϕ_s241.00000°,δ83.00000°,λ-11.00000°. Principal axes: T 3.9780,Plg3.0000°,Azm287.0000°; N 0.3770,Plg77.0000°,Azm31.0000° ; P -4.3550,Plg13.0000°,Azm196.0000° $M_0$4.16700×10^{16}
NNC Event type se. Error ellipse: s-maj=19.9km s-min=11.6km az=79.0.

(227) Eastern Honshu

ISC	**X**	**23 06 50 18.9–.86**	**35.49N–.03**	**138.95E–.04**	**28–6**	**3.6b**	**23**	**0-69**
IDC	X	23 06 50 14.1–2.2	35.32N	138.93E	0	3.9b,3.9		**¶621309358**
JMA	X	23 06 50 19.4–.09	35.5N–.20	138.9E–.20	22–0	3.8,3.8		
NIED	X	23 06 50 19.4	35.51N	138.93E	22	3.6W,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=29.7km az=46.0.
JMA Event type fe. EASTERN YAMANASHI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.50 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-0.06 $M_{r\theta}$2.64 $M_{\theta\phi}$-0.90 $M_{\phi r}$0.31 NP1:ϕ_s192.00000°,δ18.00000°,λ20.00000°. NP2:ϕ_s83.00000°,δ84.00000°,λ107.00000°. $M_0$2.84000×10^{14}

(224) Hokkaido region

ISC	**X**	**23 19 55 09.5–.77**	**41.47N–.06**	**142.96E–.07**	**30**	**3.8b**	**26**	**1-86**
NIED	X	23 19 55 11.5	41.55N	142.92E	36	3.8W		**¶621309392**
JMA	X	23 19 55 11.5–.07	41.6N–.30	142.9E–.40	36–0	4.0,3.9		
IDC	X	23 19 55 12.3–2.2	41.49N	142.87E	58–19	3.7,3.5b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.44 $M_{\theta\theta}$4.29 $M_{\phi\phi}$-1.85 $M_{r\theta}$-2.87 $M_{\theta\phi}$0.36 $M_{\phi r}$3.07 NP1:ϕ_s234.00000°,δ37.00000°,λ-153.00000°. NP2:ϕ_s122.00000°,δ74.00000°,λ-56.00000°. $M_0$5.62000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=21.8km s-min=13.2km az=111.0.

(248) Philippine Islands region

ISC	**X**	**23 23 08 29.8–.52**	**8.48N–.02**	**127.01E–.03**	**17–3**	**5.0b,4.2s**	**603**	**1-171**
DJA	X	23 23 08 19.1–2.5	10N–12	127E–4.0	25–16	5.6,5.4b		**¶621238031**
MAN	X	23 23 08 27.1	8.50N	127.18E	1	5.6b,4.9s		
GFZ	X	23 23 08 29.4–.14	9N–2.0	127E–4.0	10	5.4b,5.4L		
NEIC	X	23 23 08 29.1–1.6	8.57N–.07	127.02E–.07	10–1	5.1b,5.4L		
BJI	X	23 23 08 30.9	8.33N	126.78E	44	5.1b,4.9b		
GCMT	X	23 23 08 34.8–.20	8.44N–.02	127.15E–.01	18–0	5.0W,4.9b		
IDC	X	23 23 08 35.8–1.9	8.39N	126.83E	65–18	4.7,4.4b		

ISC Event type fe.
MAN Event type fe. INTENSITY III - LINGIG SURIGAO DEL SUR.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=11.4km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110232308A. Moment Tensor Solution. s57,c74; s113,c178; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.14 $M_{\theta\theta}$0.17±.08; $M_{\phi\phi}$-3.47±.10; $M_{r\theta}$0.10±.21; $M_{\theta\phi}$0.19±.05; $M_{\phi r}$3.40±.24; Best double couple: NP1:ϕ_s173.00000°,δ23.00000°,λ83.00000°. NP2:ϕ_s0.00000°,δ68.00000°,λ93.00000°. Principal axes: T 4.7280,Plg67.0000°,Azm276.0000°; N 0.1640,Plg3.0000°,Azm179.0000°; P -4.8850,Plg23.0000°,Azm88.0000° $M_0$4.80600×10^{16}
IDC Error ellipse: s-maj=17.2km s-min=9.4km az=77.0.

(244) Taiwan

ISC	**X**	**24 05 11 33.8–.20**	**24.57N–.02**	**121.88E–.02**	**71–1**	**6.1b**	**2891**	**0-176**
MOS	X	24 05 11 31.6–.92	24.57N	121.99E	62	6.3b,5.5s		**¶621238060**
BJI	X	24 05 11 32.6	24.55N	121.80E	60	6.5b,6.2L		
JMA	X	24 05 11 33.5–.18	24.5N–.40	121.7E–.60	73–1	6.3,6.3W		
NIED	X	24 05 11 33.5	24.48N	121.73E	73	6.2W,6.3W		
PTWC	X	24 05 11 34	24.50N	121.80E	52	6.4,6.3W		
ISC-P	X	24 05 11 34	24.51N	121.83E	63–1	6.4,6.3W		
NEIC	X	24 05 11 34.3	24.57N	121.83E	64	6.4,6.3W		
IPGP	X	24 05 11 34.0	24.57N	121.83E	70	6.2W,6.3W		
GFZ	X	24 05 11 34.6	24.53N	121.85E	65	6.1W,6.3W		
NEIC	X	24 05 11 34.3	24.57N	121.83E	64	6.1W,6.3W		
GFZ	X	24 05 11 34.7–.19	24N–2.0	122E–2.0	66–2	6.4b,6.2		
TAP	X	24 05 11 34.7	24.53N	121.78E	66–0	6.5L,6.2		
NEIC	X	24 05 11 34.4	24.57N	121.84E	65	6.5L,6.2		
NEIC	X	24 05 11 34.2–1.9	24.51N–.05	121.83E–.07	69–1	6.2b,6.2		
GCMT	X	24 05 11 36.7–.00	24.63N	121.70E	80–0	6.2W,6.2		
IDC	X	24 05 11 37.1–.75	24.63N	121.90E	96–6	5.9,5.5b		
NEIC	X	24 05 11 49.1	24.57N	121.84E	60	6.2,5.5b		

ISC Event type ke.
MOS Error ellipse: s-maj=5.6km s-min=3.4km az=114.1.
JMA Event type fe. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.84 $M_{\theta\theta}$1.61 $M_{\phi\phi}$-0.77 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.83 $M_{\phi r}$-1.84 NP1:ϕ_s74.00000°,δ43.00000°,λ-158.00000°. NP2:ϕ_s328.00000°,δ75.00000°,λ-49.00000°. $M_0$2.42000×10^{18}
ISC-P Moment Tensor Solution. s43 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.29±.21 $M_{\theta\theta}$-0.09±.23; $M_{\phi\phi}$0.47±.19; $M_{r\theta}$-0.23±.17; $M_{\theta\phi}$-0.53±.21; $M_{\phi r}$-0.10±.14; NP1:ϕ_s18.20000°,δ75.50000°,λ290.70000°. NP2:ϕ_s141.80000°,δ25.00000°,λ-143.80000°. $M_0$4.32000×10^{18}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s60.00000°,δ25.00000°,λ141.00000°. NP2:ϕ_s187.00000°,δ75.00000°,λ70.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.32 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-1.07 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.80 $M_{\phi r}$-1.41 NP1: ϕ_s191.36015°,δ68.20098°,λ72.14440°. NP2:ϕ_s52.30071°,δ27.89960°,λ127.47523°. Principal axes: T 2.0116,Plg62.5613°,Azm73.2925°; N 0.0334,Plg16.5405°,Azm198.1818° ; P -2.0450,Plg21.2436°,Azm294.8115° $M_0$2.02850×10^{18}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
TAP B.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.5km az=303.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.96 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.59 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.63 $M_{\phi r}$-1.86 NP1:ϕ_s61.40000°,δ21.23000°,λ143.28000°. NP2:ϕ_s186.21000°,δ77.49000°,λ72.70000°. Principal axes: T 2.2591,Plg54.0000°,Azm75.0000° ; N -0.2677,Plg17.0000°,Azm190.0000°; P -1.9914,Plg30.0000°,Azm290.0000° $M_0$2.14000×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.35 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-0.71 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.89 $M_{\phi r}$-2.33 NP1:ϕ_s66.15000°,δ21.86000°,λ138.63000°. NP2: ϕ_s195.40000°,δ75.76000°,λ73.25000°. Principal axes: T 2.8794,Plg56.0000°,Azm84.0000° ; N -0.2166,Plg16.0000°,Azm200.0000°; P -2.6628,Plg29.0000°,Azm299.0000° $M_0$2.78000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110240511A. Moment Tensor Solution. s168,c425; s170,c624;Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.93±.01 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$-0.89±.01; $M_{r\theta}$0.02±.01; $M_{\theta\phi}$-0.98±.01; $M_{\phi r}$-1.94±.01; Best double couple: NP1:ϕ_s66.00000°,δ26.00000°,λ149.00000°. NP2:ϕ_s184.00000°,δ77.00000°,λ67.00000°. Principal axes: T 2.2970,Plg53.0000°,Azm67.0000°; N 0.1140,Plg22.0000°,Azm189.0000° ; P -2.4110,Plg28.0000°,Azm292.0000° $M_0$2.35400×10^{18}
IDC Error ellipse: s-maj=7.0km s-min=6.0km az=53.0.
NEIC Event type se. Moment Tensor Solution.Duration: 6s5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-1.03 $M_{r\theta}$0.02 $M_{\theta\phi}$-1.00 $M_{\phi r}$-1.96 NP1:ϕ_s62.71000°,δ26.63000°,λ145.57000°. NP2:ϕ_s184.21000°,δ75.32000°,λ67.53000°. Principal axes: T 2.3611,Plg54.0000°,Azm67.0000°; N 0.1398,Plg22.0000°,Azm190.0000° ; P -2.5009,Plg27.0000°,Azm292.0000° $M_0$2.43000×10^{18}

(228) Near east coast of eastern Honshu

ISC	**X**	**25 12 53 48.5–1.6**	**36.48N–.06**	**141.17E–.08**	**35–6**	**3.5b**	**22**	**0-60**
IDC	X	25 12 53 49.2–3.5	36.57N	141.30E	45–36	3.5,3.2b		**¶621366431**
JMA	X	25 12 53 50.3–.09	36.5N–.20	141.0E–.30	45–1	3.5,3.2b		

ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .

(221) Kuril Islands

ISC	**X**	**25 23 39 21.4–.35**	**49.73N–.04**	**156.06E–.04**	**71–2**	**4.7b**	**578**	**1-158**
KRSC	X	25 23 39 16.5–2.3	49.54N	156.32E	41–28	5.3L,4.4		**¶621239249**
MOS	X	25 23 39 20.1–.91	49.75N	155.85E	71	5.0b,4.4		
IDC	X	25 23 39 22.5–1.8	49.85N	155.73E	73–15	4.5,4.1b		
NEIC	X	25 23 39 22.2–1.4	49.83N–.09	155.7E–.20	72–6	4.8b,4.1b		
GCMT	X	25 23 39 22.8–.50	49.64N–.03	156.14E–.05	59–2	4.9W,4.1b		
GFZ	X	25 23 39 23.2–.66	50N–5.0	156E–6.0	75–5	5.3b,5.0L		

ISC Event type se.
KRSC Event type se. Felt [III] at cape Vasilyeva; [II-III] at Severo-Kurilsk; [II] at Podgornay.
MOS Event type fe. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110252339A. Moment Tensor Solution. s27,c32; s66,c78; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.19 $M_{\theta\theta}$-0.55±.15; $M_{\phi\phi}$-1.71±.14; $M_{r\theta}$0.46±.11; $M_{\theta\phi}$-1.63±.10; $M_{\phi r}$0.71±.10; Best double couple: NP1:ϕ_s216.00000°,δ36.00000°,λ92.00000°. NP2:ϕ_s34.00000°,δ54.00000°,λ89.00000°. Principal axes: T 2.3970,Plg81.0000°,Azm298.0000°; N 0.6010,Plg1.0000°,Azm35.0000° ; P -2.9960,Plg9.0000°,Azm125.0000° $M_0$2.69600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(259) Mindanao

ISC	**X**	**26 05 51 10.1–.68**	**7.41N–.03**	**126.71E–.05**	**60–6**	**4.6b**	**246**	**0-163**
DJA	X	26 05 51 03.4–2.2	8N–18	127E–7.0	52–10	5.6b,5.1		**¶621239341**
MAN	X	26 05 51 10.1	7.47N	126.68E	34	5.4b,4.6s		
GFZ	X	26 05 51 11.8–.23	8N–2.0	127E–3.0	75	5.1b,5.0L		
NEIC	X	26 05 51 11.1–1.3	7.52N–.05	126.67E–.08	69–7	4.5b,5.0L		
IDC	X	26 05 51 11.9–1.3	7.50N	126.62E	78–12	4.6,4.3b		

ISC Event type fe.
MAN Event type fe. INTENSITY III - LAAK MAWAB AND MONKAYO DAVAO DE ORO; CARAGA DAVAO ORIENTAL ; . INTENSITY II - MONTEVISTA DAVAO DE ORO; CITY OF TAGUM DAVAO DEL NORTE; CITY OF DAVAO; BAGANGA AND CITY OF MATI DAVAO ORIENTAL; CITY OF BISLIG SURIGAO DEL SUR.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.9km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.9km s-min=9.8km az=75.0.

(328) East of Lake Baykal

ISC	**X**	**26 07 05 49.5–.80**	**55.92N–.02**	**113.56E–.02**	**5–5**	**4.5b,4.2s**	**355**	**0-152**
BJI	X	26 07 05 47.2	56.05N	113.74E	8	4.8b,4.5s		**¶621239351**
IDC	X	26 07 05 48.4–.43	55.89N	113.58E	0	4.2L,4.2		
BYKL	X	26 07 05 49.9–.12	55.92N	113.45E	6–2	4.2L,4.2		
MOS	X	26 07 05 49.0–1.0	55.89N	113.51E	13	4.5b,4.2		
NEIC	X	26 07 05 50.3–2.0	55.90N–.07	113.58E–.10	10–1	4.6b,4.2		
GFZ	X	26 07 05 51.3–.21	56N–3.0	114E–3.0	10	5.3L,4.5b		

ISC Event type se.
BYKL Event type se. FELT I=II-III MSK at Severomuisk.
MOS Event type fe. Felt (II-III) at Severomuisk. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(224) Hokkaido region

ISC	**X**	**26 11 03 08.9–.76**	**43.09N–.04**	**145.90E–.04**	**37–1**	**3.8b**	**64**	**0-84**
MOS	X	26 11 03 08.3–1.3	43.09N	145.82E	51	4.3b		**¶621240763**
NIED	X	26 11 03 09.6	43.11N	145.83E	44	3.9W		
JMA	X	26 11 03 09.6–.13	43.1N–.30	145.8E–.60	44–1	4.0,3.8		
SKHL	X	26 11 03 10.3–.70	43.10N	145.80E	60–5	5.3b,3.8		
IDC	X	26 11 03 11.2–2.8	43.11N	145.85E	60–24	3.7,3.5L		

ISC Event type ke.
MOS Error ellipse: s-maj=10.6km s-min=7.6km az=96.4.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.68 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$-3.50 $M_{r\theta}$1.88 $M_{\theta\phi}$-2.70 $M_{\phi r}$4.40 NP1:ϕ_s222.00000°,δ24.00000°,λ105.00000°. NP2:ϕ_s26.00000°,δ67.00000°,λ83.00000°. $M_0$6.91000×10^{14}
JMA Event type fe. OFF NEMURO PENINSULA .
IDC Error ellipse: s-maj=20.8km s-min=18.1km az=61.0.

(229) Off east coast of Honshu

ISC	**X**	**26 16 27 55.1–.59**	**37.24N–.04**	**142.27E–.04**	**26–3**	**4.9b,4.1s**	**486**	**1-149**
BJI	X	26 16 27 50.0	37.08N	142.20E	10	5.0b,4.9b		**¶621240781**
MOS	X	26 16 27 51.6–1.0	37.31N	142.32E	15	4.9b,4.9b		
IDC	X	26 16 27 51.5–.50	37.23N	142.23E	0	4.6,4.5b		
GFZ	X	26 16 27 53.0–.35	37N–3.0	142E–5.0	10	5.5b,5.2L		
NIED	X	26 16 27 54.8	37.24N	142.17E	23	4.7W,5.2L		
JMA	X	26 16 27 54.8–.06	37.2N–.30	142.2E–.30	23–0	5.0,4.7W		
NEIC	X	26 16 27 55.1–.80	37.26N–.06	142.24E–.10	23–4	4.9b,4.7W		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.22 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-0.27 $M_{r\theta}$-0.60 $M_{\theta\phi}$0.19 $M_{\phi r}$1.17 NP1:ϕ_s160.00000°,δ6.00000°,λ97.00000°. NP2:ϕ_s333.00000°,δ84.00000°,λ89.00000°. $M_0$1.34000×10^{16}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**X**	**26 18 27 08.8–1.5**	**37.16N–.06**	**141.53E–.09**	**42–12**	**4.1b,3.0s**	**73**	**1-74**
NEIC	X	26 18 27 09.8–.96	37.20N–.06	141.5E–.10	52–8	4.3b,3.0s		**¶621366489**
IDC	X	26 18 27 10.0–2.2	37.20N	141.50E	49–18	3.9,3.7b		
NIED	X	26 18 27 09.2	37.18N	141.40E	46	3.9W,3.7b		
JMA	X	26 18 27 09.2–.08	37.2N–.30	141.4E–.30	46–0	4.0,3.7b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.70 $M_{\theta\theta}$1.05 $M_{\phi\phi}$-2.75 $M_{r\theta}$1.47 $M_{\theta\phi}$-2.16 $M_{\phi r}$7.22 NP1:ϕ_s236.00000°,δ13.00000°,λ136.00000°. NP2:ϕ_s10.00000°,δ81.00000°,λ80.00000°. $M_0$7.91000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .

(663) Sea of Okhotsk

ISC	**X**	**27 02 42 31.9–.35**	**57.93N–.03**	**153.11E–.02**	**12–1**	**5.2b,4.5s**	**1273**	**2-149**
KRSC	X	27 02 42 27.4–2.8	57.79N	153.08E	6–49	5.5L,5.3		**¶621241128**
IDC	X	27 02 42 29.9–.36	57.83N	153.10E	0	4.8b,4.7		
NERS	X	27 02 42 29.4	57.86N	153.08E	12	4.8b,4.7		
MOS	X	27 02 42 30.1–.82	57.86N	153.13E	12	5.4b,4.7s		
NEIC	X	27 02 42 31.7–1.1	57.90N–.06	153.1E–.10	10–1	5.3b,4.9		
GFZ	X	27 02 42 32.6–.21	58N–2.0	153E–2.0	11–1	5.8b,5.6L		
GCMT	X	27 02 42 33.1–.20	57.85N–.02	153.07E–.02	12	4.9W,5.6L		
BGR	X	27 02 42 41.9	58.40N	152.12E	33	5.5b,4.3s		

ISC Event type ke.
KRSC Event type se. Felt [I-II] at Magadan.
IDC Error ellipse: s-maj=9.2km s-min=8.7km az=159.0.
NERS Event type se.
MOS Event type fe. Error ellipse: s-maj=6.6km s-min=3.6km az=104.3. Felt (III) at Magadan. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.9km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=5.3km s-min=4.6km az=140.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110270242A. Moment Tensor Solution. s43,c52; s99,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.58±.08 $M_{\theta\theta}$0.49±.08; $M_{\phi\phi}$-3.08±.06; $M_{r\theta}$0.76±.29; $M_{\theta\phi}$0.10±.06; $M_{\phi r}$-0.98±.20; Best double couple: NP1:ϕ_s15.00000°,δ38.00000°,λ116.00000°. NP2:ϕ_s163.00000°,δ57.00000°,λ71.00000°. Principal axes:

T 2.9670,Plg71.0000°,Azm28.0000°; N 0.2860,Plg16.0000°,Azm174.0000° ; P -3.2600,Plg10.0000°,Azm266.0000° $M_0$3.11300×10^{16}

BGR Event type ke.

(259) Mindanao

ISC	**X**	**27 13 09 54.4–1.1**	**6.75N–.02**	**124.93E–.02**	**16–7**	**4.0b,3.5s**	**134**	**0-97**
IDC	X	27 13 09 50.9–.71	6.61N	124.82E	0	3.8L,3.7b		**¶621385464**
NEIC	X	27 13 09 53.3–.94	6.72N–.07	124.87E–.06	10–1	4.1b,3.7b		
DJA	X	27 13 09 53.8–.70	7N–11	125E–3.0	12–13	5.1b,4.6		
MAN	X	27 13 09 54.1	6.73N	124.96E	16	5.2b,4.2s		

ISC Event type fe.

IDC Error ellipse: s-maj=15.0km s-min=12.7km az=81.0.

NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.5km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MAN Event type fe. INTENSITY III - LUTAYAN SULTAN KUDARAT; . INTENSITY II - KIBLAWAN MAGSAYSAY AND MATANAO DAVAO DEL SUR; CITY OF KIDAPAWAN COTABATO; MALUNGON SARANGANI; CITY OF KORONADAL TAMPAKAN AND TUPI SOUTH COTABATO; COLUMBIO AND CITY OF TACURONG SULTAN KUDARAT; . INTENSITY I - ARAKAN M"LANG MAKILALA AND TULUNAN COTABATO; LAKE SEBU AND TANTANGAN SOUTH COTABATO; PRESIDENT QUIRINO SULTAN KUDARAT.

(227) Eastern Honshu

ISC	**X**	**27 20 53 53.6–.71**	**39.75N–.03**	**141.82E–.05**	**61–5**	**4.2b**	**73**	**0-72**
NIED	X	27 20 53 53.7	39.76N	141.84E	59	4.0W		**¶621242498**
JMA	X	27 20 53 53.7–.08	39.8N–.20	141.8E–.30	59–0	3.8		
IDC	X	27 20 53 55.0–2.5	39.71N	141.86E	78–21	3.8,3.6b		
NEIC	X	27 20 53 56.1–2.3	39.94N–.05	141.62E–.08	72–5	4.2b,3.6b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.86 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.72 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.21 $M_{\phi r}$0.67 NP1:ϕ_s198.00000°,δ25.00000°,λ90.00000°. NP2:ϕ_s18.00000° ,δ65.00000°,λ90.00000°. $M_0$1.08000×10^{15}

JMA Event type fe. NORTHERN IWATE PREF .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(227) Eastern Honshu

ISC	**X**	**28 00 55 29.4–.43**	**36.06N–.03**	**139.87E–.04**	**55–3**	**4.5b,3.5s**	**380**	**0-148**
MOS	X	28 00 55 27.1–.90	36.01N	139.92E	53	4.9b,3.5s		**¶621242535**
NIED	X	28 00 55 29.4	36.06N	139.91E	45	4.4W,3.5s		
NEIC	X	28 00 55 29.4–1.7	36.04N–.05	139.88E–.08	50–5	4.7b,4.4		
JMA	X	28 00 55 29.4–.07	36.1N–.20	139.9E–.20	45–0	4.6,4.5		
IDC	X	28 00 55 30.1–1.3	35.96N	139.79E	62–12	4.4,4.1b		
NEIC	X	28 00 55 30	36.04N	139.92E	56	4.4,4.1b		
GFZ	X	28 00 55 31.3–.39	36N–6.0	140E–6.0	68	5.5b,5.0		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.19 $M_{\theta\theta}$-2.98 $M_{\phi\phi}$-0.21 $M_{r\theta}$1.59 $M_{\theta\phi}$-1.01 $M_{\phi r}$2.36 NP1:ϕ_s270.00000°,δ30.00000°,λ126.00000°. NP2:ϕ_s50.00000° ,δ66.00000°,λ71.00000°. $M_0$4.30000×10^{15}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.93 $M_{\theta\theta}$-3.45 $M_{\phi\phi}$0.52 $M_{r\theta}$2.06 $M_{\theta\phi}$-1.16 $M_{\phi r}$2.58 NP1:ϕ_s50.07000°,δ68.88000°,λ66.83000°. NP2:ϕ_s279.98000°,δ30.96000° ,λ135.52000°. Principal axes: T 4.7388,Plg59.0000°,Azm287.0000°; N 0.0300,Plg22.0000° ,Azm59.0000°; P -4.7689,Plg21.0000°,Azm157.0000° $M_0$4.75000×10^{15}

JMA Event type fe. SW IBARAKI PREF .

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(251) Samar

ISC	**X**	**28 05 39 02.1–1.1**	**12.98N–.02**	**124.64E–.03**	**1–6**	**4.7b,4.2s**	**294**	**0-100**
IDC	X	28 05 39 01.7–.59	12.80N	124.55E	0	4.4,4.2L		**¶621242579**
MAN	X	28 05 39 03.4	12.97N	124.55E	7	5.6b,5.0s		
NEIC	X	28 05 39 03.3–1.0	12.85N–.07	124.50E–.02	10–1	4.8b,5.0s		
GFZ	X	28 05 39 04.4–.29	13N–3.0	125E–6.0	10	5.1b,5.0		
GCMT	X	28 05 39 05.5–.20	13.04N–.01	124.55E–.01	20–0	5.0W,5.0		
BJI	X	28 05 39 05.2	13.02N	124.44E	10	5.1b,4.7s		
DJA	X	28 05 39 15.9–1.6	13N–12	125E–4.0	47–9	5.4,5.4b		

ISC Event type fe.

MAN Event type fe. INTENSITY IV - CATARMAN MONDRAGON AND PAMBUJAN NORTHERN SAMAR ; . INTENSITY III - ALLEN BIRI LAOANG LAVEZARES AND SAN ISIDRO NORTHERN SAMAR ; . INTENSITY II - CITY OF CALBAYOG CITY OF CATBALOGAN AND SANTA MARGARITA SAMAR ; . INTENSITY I - PRIETO DIAZ SORSOGON.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110280539A. Moment Tensor Solution. s66,c95; s124,c202; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.74±.14 $M_{\theta\theta}$2.54±.12; $M_{\phi\phi}$-1.80±.12; $M_{r\theta}$-0.92±.20; $M_{\theta\phi}$4.18±.09; $M_{\phi r}$0.18±.22; Best double couple: NP1:ϕ_s194.00000°,δ78.00000° ,λ-178.00000°. NP2:ϕ_s103.00000°,δ88.00000°,λ-12.00000°. Principal axes: T 5.1620,Plg7.0000°,Azm149.0000°; N -0.7120,Plg78.0000°,Azm273.0000° ; P -4.4490,Plg10.0000°,Azm58.0000° $M_0$4.80500×10^{16}

(228) Near east coast of eastern Honshu

ISC	**X**	**28 14 47 53.6–.57**	**37.74N–.04**	**141.77E–.06**	**56–4**	**4.2b**	**83**	**1-127**
NIED	X	28 14 47 53.0	37.76N	141.71E	54	3.9W		**¶621385003**
IDC	X	28 14 47 53.9–.62	37.70N	141.89E	57–5	3.8,3.5b		
JMA	X	28 14 47 53.0–.04	37.8N–.10	141.7E–.20	54–0	4.2,4.0		
NEIC	X	28 14 47 54.5–1.4	37.75N–.08	141.8E–.10	61–7	4.3b,4.0		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.95 $M_{\theta\theta}$0.18 $M_{\phi\phi}$-6.13 $M_{r\theta}$-2.94 $M_{\theta\phi}$0.46 $M_{\phi r}$-0.52 NP1:ϕ_s335.00000°,δ48.00000°,λ58.00000°. NP2:ϕ_s197.00000° ,δ51.00000°,λ120.00000°. $M_0$6.69000×10^{14}

JMA Event type fe. E OFF FUKUSHIMA PREF .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**X**	**28 23 59 22.9–.61**	**35.59N–.04**	**140.05E–.04**	**58–5**	**4.3b,3.3s**	**155**	**0-148**
MOS	X	28 23 59 19.8–.97	35.61N	140.09E	45	4.5b,3.3s		**¶621243339**
NEIC	X	28 23 59 22.0–1.8	35.61N–.05	140.17E–.08	46–7	4.4b,3.3s		
IDC	X	28 23 59 21.9–1.3	35.57N	140.10E	50–13	4.1,3.9b		
NIED	X	28 23 59 22.5	35.66N	140.06E	60	4.2W,3.9b		
JMA	X	28 23 59 22.5–.13	35.7N–.30	140.1E–.50	60–1	4.2,3.7		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.32 $M_{\theta\theta}$1.76 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.30 $M_{\theta\phi}$1.39 $M_{\phi r}$1.13 NP1:ϕ_s98.00000°,δ47.00000°,λ-33.00000°. NP2:ϕ_s212.00000° ,δ66.00000°,λ-132.00000°. $M_0$2.38000×10^{15}

JMA Event type fe. CENTRAL CHIBA PREF .

(682) Baffin Island region

ISC	**X**	**29 13 48 55.3–.27**	**67.54N–.03**	**66.02W–.03**	**10**	**4.7b,3.8s**	**326**	**3-134**
IDC	X	29 13 48 54.9–.40	67.72N	65.96W	0	4.4L,4.4		**¶621244120**
OTT	X	29 13 48 57.0–.16	67.60N	65.91W	18	5.2,5.2		
DNK	X	29 13 48 56.1–3.5	67.81N	65.74W	0–38	3.3L,5.2		
GFZ	X	29 13 48 57.0–.14	68N–3.0	66W–2.0	10	5.7b,5.2L		
NEIC	X	29 13 48 57.2–.94	67.62N–.07	66.0W–.20	14–4	4.7b,5.2L		

ISC Event type ke.

OTT Event type fe. 80km west of Qikiqtarjuaq, Nu, felt.

DNK Event type se. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(222) East of Kuril Islands

ISC	**X**	**30 08 47 19.1–.95**	**43.99N–.05**	**148.13E–.05**	**46–8**	**4.4b**	**207**	**1-142**
MOS	X	30 08 47 17.6–.94	43.88N	148.24E	55	4.7b		**¶621244402**
IDC	X	30 08 47 18.6–2.5	44.06N	148.07E	41–22	4.1,3.9b		
SKHL	X	30 08 47 18.6–.40	43.90N	148.30E	63–2	5.1b,3.9b		
JMA	X	30 08 47 19.7–.49	44N–1.0	148E–3.0	0	4.4,3.9b		
NIED	X	30 08 47 19.7	43.88N	147.76E	0	4.0W,3.9b		
GFZ	X	30 08 47 20.9–.93	44N–9.0	148E–5.0	51–9	4.3b,4.3		
NEIC	X	30 08 47 20.7–1.2	44.0N–.10	148.1E–.10	51–8	4.5b,4.3		

ISC Event type ke.

JMA Event type ke. E OFF HOKKAIDO .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.45 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.73 $M_{\theta\phi}$-0.28 $M_{\phi r}$0.61 NP1:ϕ_s178.00000°,δ19.00000°,λ43.00000°. NP2:ϕ_s47.00000° ,δ77.00000°,λ105.00000°. $M_0$1.09000×10^{15}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**X**	**30 21 51 59.8–.78**	**35.62N–.05**	**140.19E–.05**	**65–7**	**3.6b**	**36**	**0-79**
IDC	X	30 21 51 58.6–1.7	35.56N	140.30E	55–15	3.6,3.5L		**¶621385005**
NIED	X	30 21 52 00.2	35.58N	140.14E	68	3.9W,3.5L		
JMA	X	30 21 52 00.2–.15	35.6N–.30	140.1E–.50	68–1	3.3,3.5L		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}7.23 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-8.29 $M_{r\theta}$2.35 $M_{\theta\phi}$-2.24 $M_{\phi r}$-1.04 NP1:ϕ_s33.00000°,δ47.00000°,λ119.00000°. NP2:ϕ_s173.00000° ,δ50.00000°,λ63.00000°. $M_0$8.51000×10^{14}

JMA Event type fe. CENTRAL CHIBA PREF .

(227) Eastern Honshu

ISC	**X**	**31 09 15 11.1–1.0**	**37.98N–.04**	**139.62E–.03**	**11–9**		**20**	**0-58**
IDC	X	31 09 15 09.3–2.9	38.08N	139.51E	0	3.4s,3.3b		**¶621395238**
JMA	X	31 09 15 11.2–.06	38.0N–.20	139.6E–.20	9–1	2.8,3.3b		

ISC Event type ke.

JMA Event type fe. NE NIIGATA PREF .

(4) Komandorsky Islands region

ISC	**X**	**31 12 18 05.5–1.1**	**54.92N–.04**	**165.71E–.03**	**33–5**	**4.4b,3.4s**	**381**	**0-145**
KRSC	X	31 12 18 03.6–1.6	54.94N	165.49E	50–15	4.7L,3.9		**¶621244730**
MOS	X	31 12 18 04.3–.69	54.94N	165.76E	40	4.5b,3.9		
NEIC	X	31 12 18 06.4–1.1	55.0N–.10	165.7E–.10	39–7	4.4b,3.9		
GFZ	X	31 12 18 06.4–.79	55N–5.0	166E–3.0	42–7	4.7L,4.5b		
IDC	X	31 12 18 06.5–3.7	55.07N	165.68E	33–29	4.1,4.0L		

ISC Event type se.

KRSC Event type se. Felt [III-IV] at Nikolskoe.

MOS Event type fe. Error ellipse: s-maj=5.0km s-min=4.8km az=87.0. Felt (III-IV) at Nikol'skoye. Moment Tensor Solution.

NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.1km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=11.2km s-min=7.2km az=166.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC Error ellipse: s-maj=16.0km s-min=10.4km az=166.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**31 14 02 47.3–.69**	**35.47N–.04**	**140.03E–.04**	**70–6**	**4.1b**	**59**	**0-92**
IDC	X	31 14 02 45.5–.80	34.73N	137.97E	0	4.1L,3.7b		**¶621395252**
JMA	X	31 14 02 46.7–.14	35.6N–.30	140.1E–.60	71–1	3.2,3.7b		
NEIC	X	31 14 02 49.4–1.8	35.36N–.06	139.55E–.09	81–7	4.5b,3.7b		

ISC Event type ke.

JMA Event type fe. CENTRAL CHIBA PREF .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(226) Near west coast of eastern Honshu

ISC	**X**	**31 15 41 20.7–1.0**	**37.49N–.04**	**137.23E–.05**	**13–7**		**14**	**0-61**
NIED	X	31 15 41 20.5	37.50N	137.21E	13	3.2W		**¶621385007**
JMA	X	31 15 41 20.5–.04	37.5N–.10	137.2E–.20	13–0	3.6		
IDC	X	31 15 41 22.1–2.7	36.91N	136.91E	0	3.2b,3.2		

ISC Event type ke.

NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{13}Nm; M_{rr}6.67 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$-5.03 $M_{r\theta}$-0.62 $M_{\theta\phi}$-3.54 $M_{\phi r}$-3.21 NP1:ϕ_s42.00000°,δ34.00000°,λ106.00000°. NP2:ϕ_s203.00000° ,δ58.00000°,λ79.00000°. $M_0$7.70000×10^{13}

JMA Event type fe. NOTO PENINSULA REGION .

IDC Error ellipse: s-maj=74.8km s-min=15.1km az=12.0.

(233) Near south coast of western Honshu

ISC	**X**	**31 20 35 40.0–.46**	**33.25N–.03**	**135.70E–.03**	**12–2**	**4.9b,4.3s**	**531**	**0-153**
BJI	X	31 20 35 35.7	33.10N	135.94E	10	5.1b,4.9s		**¶621244767**
IDC	X	31 20 35 37.9–.42	33.24N	135.70E	0	4.7b,4.6		
MOS	X	31 20 35 38.5–.98	33.30N	135.64E	13	5.2b,4.7s		
NEIC	X	31 20 35 39.5	33.28N	135.61E	5	5.2b,4.7s		
NEIC	X	31 20 35 40.1–2.0	33.29N–.06	135.63E–.05	10–1	5.0b,4.7		
JMA	X	31 20 35 41.1–.06	33.3N–.20	135.7E–.30	20–0	5.0,4.8W		
GFZ	X	31 20 35 41.5–.29	33N–4.0	136E–4.0	10	5.5b,5.1b		
NIED	X	31 20 35 41.1	33.28N	135.67E	20	4.8W,5.1b		
GCMT	X	31 20 35 46.2–.20	33.25N–.02	135.47E–.03	20–1	4.9W,5.1b		

ISC Event type ke.

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.17 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$0.03 $M_{r\theta}$1.06 $M_{\theta\phi}$0.09 $M_{\phi r}$0.43 NP1:ϕ_s76.97000°,δ67.50000°,λ76.22000°. NP2:ϕ_s289.63000°,δ26.20000° ,λ119.90000°. Principal axes: T 1.6886,Plg65.0000°,Azm324.0000°; N -0.0817,Plg13.0000° ,Azm82.0000°; P -1.6069,Plg21.0000°,Azm177.0000° $M_0$1.65000×10^{16}

JMA Event type fe. S OFF KII PENINSULA .

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.95 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$0.22 $M_{r\theta}$1.18 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.41 NP1:ϕ_s272.00000°,δ21.00000°,λ108.00000°. NP2:ϕ_s72.00000° ,δ70.00000°,λ83.00000°. $M_0$1.65000×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110312035A. Moment Tensor Solution. s35,c40; s94,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.09±.13 $M_{\theta\theta}$-2.01±.08; $M_{\phi\phi}$-0.07±.07; $M_{r\theta}$1.82±.15; $M_{\theta\phi}$-0.38±.05; $M_{\phi r}$-0.12±.15; Best double couple: NP1:ϕ_s251.00000°,δ25.00000° ,λ74.00000°. NP2:ϕ_s89.00000°,δ66.00000°,λ98.00000°. Principal axes: T 2.8020,Plg68.0000°,Azm13.0000°; N -0.0610,Plg7.0000°,Azm265.0000° ; P -2.7380,Plg20.0000°,Azm173.0000° $M_0$2.77000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**X**	**31 21 14 46.8–.29**	**36.46N–.03**	**140.68E–.03**	**58–2**	**5.4b,4.3s**	**1518**	**0-167**
BJI	X	31 21 14 42.3	36.38N	140.90E	52	5.4b,5.3b		**¶621244769**
MOS	X	31 21 14 45.0–.87	36.66N	140.55E	45	5.9b,4.4s		
JMA	X	31 21 14 46.4–.08	36.5N–.20	140.6E–.40	57–0	5.3,5.2W		
NIED	X	31 21 14 46.4	36.46N	140.61E	57	5.2W,5.2W		
GFZ	X	31 21 14 47.9	36.44N	140.64E	69	5.2W,5.2W		
NEIC	X	31 21 14 47.6–1.1	36.53N–.05	140.53E–.08	55–4	5.2b,5.2W		
GFZ	X	31 21 14 47.1–.36	36N–3.0	141E–4.0	70–3	5.7b,5.7L		
NEIC	X	31 21 14 47.6	36.54N	140.52E	55	5.7b,5.7L		
IDC	X	31 21 14 48.4–.96	36.44N	140.63E	68–8	5.3,5.0b		
GCMT	X	31 21 14 50.1–.10	36.46N–.01	140.67E–.01	56–0	5.2W,5.0b		
NEIC	X	31 21 14 51.6	36.44N	140.65E	60	5.2,5.0b		

ISC Event type ke.

MOS Error ellipse: s-maj=6.0km s-min=3.5km az=115.7.

JMA Event type fe. NORTHERN IBARAKI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.55 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-4.13 $M_{r\theta}$2.02 $M_{\theta\phi}$-1.41 $M_{\phi r}$4.88 NP1:ϕ_s186.00000°,δ19.00000°,λ75.00000°. NP2:ϕ_s22.00000° ,δ71.00000°,λ95.00000°. $M_0$6.65000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.81 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-5.05 $M_{r\theta}$0.90 $M_{\theta\phi}$-1.33 $M_{\phi r}$4.33 NP1: ϕ_s194.64640°,δ24.51210°,λ92.19967°. NP2:ϕ_s12.22909°,δ65.50715°,λ88.99734°. Principal axes: T 6.4681,Plg69.4767°,Azm280.2065°; N 0.5481,Plg0.9124°,Azm12.6448° ; P -7.0162,Plg20.5011°,Azm102.9860° $M_0$6.75883×10^{16}

NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se.

IDC Error ellipse: s-maj=8.8km s-min=6.8km az=70.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110312114A. Moment Tensor Solution. s113,c189; s150,c277;Duration: 1τ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.72±.01 $M_{\theta\theta}$-0.01±.01; $M_{\phi\phi}$-0.71±.01; $M_{r\theta}$0.18±.01; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$0.46±.01; Best double couple: NP1: ϕ_s192.00000°,δ28.00000°,λ83.00000°. NP2:ϕ_s19.00000°,δ62.00000°,λ94.00000°.

Principal axes: T 0.8730,Plg73.0000°,Azm297.0000°; N 0.0450,Plg3.0000°,Azm197.0000° ; P -0.9180,Plg17.0000°,Azm106.0000° $M_0$0.89600×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}5.93 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$-4.79 $M_{r\theta}$1.49 $M_{\theta\phi}$-0.16 $M_{\phi r}$3.81 NP1:ϕ_s176.90000°,δ27.32000° ,λ75.66000°. NP2:ϕ_s12.95000°,δ63.60000°,λ97.29000°. Principal axes: T 7.3664,Plg71.0000°,Azm299.0000°; N -1.2904,Plg7.0000°,Azm190.0000° ; P -6.0759,Plg18.0000°,Azm98.0000° $M_0$6.81000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**X**	**31 23 27 24.8–.60**	**40.62N–.04**	**141.61E–.06**	**97–4**	**4.1b**	**89**	**0-77**
IDC	X	31 23 27 24.3–.76	40.62N	141.60E	97–6	3.9,3.6b	**¶621252384**	
NEIC	X	31 23 27 25.2–1.3	40.62N–.07	141.71E–.09	91–6	4.2b,3.6b		
NIED	X	31 23 27 25.3	40.65N	141.63E	97	3.9W,3.6b		
JMA	X	31 23 27 25.3–.14	40.7N–.40	141.6E–.70	97–1	4.0,3.8		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.09 $M_{\theta\theta}$0.77 $M_{\phi\phi}$3.31 $M_{r\theta}$-3.20 $M_{\theta\phi}$-0.05 $M_{\phi r}$5.26 NP1:ϕ_s5.00000°,δ17.00000°,λ-60.00000°. NP2:ϕ_s154.00000° ,δ75.00000°,λ-99.00000°. $M_0$7.13000×10^{14}

JMA Event type fe. E OFF AOMORI PREF .

(228) Near east coast of eastern Honshu

ISC	**XI**	**01 17 25 36.1–1.2**	**38.95N–.04**	**141.73E–.09**	**75–7**	**3.5b**	**29**	**0-59**
IDC	XI	01 17 25 27.8–2.6	39.33N	141.85E	0	3.5b,3.4	**¶621401282**	
JMA	XI	01 17 25 36.8–.07	39.0N–.20	141.7E–.30	73–0	3.1,3.4		

ISC Event type ke.

JMA Event type fe. NORTHERN MIYAGI PREF .

(226) Near west coast of eastern Honshu

JMA	**XI**	**01 21 17 03.2–.04**	**37.5N–.10**	**137.2E–.20**	**14–0**	**3.6**		
NIED	XI	01 21 17 03.2	37.52N	137.23E	14	3.5W	**¶621618781**	

JMA Event type fe. NOTO PENINSULA REGION .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.17 $M_{\theta\theta}$-1.07 $M_{\phi\phi}$-1.10 $M_{r\theta}$-0.51 $M_{\theta\phi}$-1.09 $M_{\phi r}$-0.51 NP1:ϕ_s45.00000°,δ36.00000°,λ90.00000°. NP2:ϕ_s225.00000° ,δ54.00000°,λ90.00000°. $M_0$2.29000×10^{14}

(257) Negros

ISC	**XI**	**02 03 58 59.1–.80**	**9.92N–.02**	**122.47E–.03**	**29–5**	**4.4b,3.2s**	**192**	**0-147**
NEIC	XI	02 03 58 56.7–1.5	9.92N–.08	122.56E–.10	10–1	4.6b,3.2s	**¶621252446**	
IDC	XI	02 03 58 58.0–2.3	9.83N	122.70E	26–15	4.2,4.1b		
MAN	XI	02 03 58 57.9	9.94N	122.40E	21	5.1b,4.1s		
DJA	XI	02 03 59 08.6–1.1	9N–6.0	122E–5.0	37–10	5.3b,4.8		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MAN Event type fe. INTENSITY V - CAUAYAN AND CITY OF SIPALAY NEGROS OCCIDENTAL ; . INTENSITY IV - HINOBA-AN NEGROS OCCIDENTAL ; . INTENSITY III - JORDAN GUIMARAS; CITY OF ILOILO; CITY OF BAGO NEGROS OCCIDENTAL; CITY OF BAYAWAN NEGROS ORIENTAL ; . INTENSITY II - CITY OF LA CARLOTA NEGROS OCCIDENTAL; CITY OF BACOLOD ; . INTENSITY I - SANTA CATALINA NEGROS ORIENTAL.

(226) Near west coast of eastern Honshu

ISC	**XI**	**02 10 06 40.4–1.0**	**37.54N–.07**	**137.34E–.07**	**17–5**	**3.7b**	**14**	**0-61**
IDC	XI	02 10 06 39.6–1.7	37.40N	137.15E	0	3.5b,3.5	**¶621401337**	
NIED	XI	02 10 06 40.4	37.52N	137.23E	13	3.5W,3.5		
JMA	XI	02 10 06 40.4–.04	37.5N–.10	137.2E–.20	13–0	3.9,3.5		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.27 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-1.56 $M_{r\theta}$-0.42 $M_{\theta\phi}$-1.10 $M_{\phi r}$0.01 NP1:ϕ_s26.00000°,δ43.00000°,λ77.00000°. NP2:ϕ_s223.00000° ,δ49.00000°,λ102.00000°. $M_0$2.33000×10^{14}

JMA Event type fe. NOTO PENINSULA REGION .

(227) Eastern Honshu

JMA	**XI**	**02 16 19 55.9–.04**	**35.8N–.10**	**138.2E–.10**	**16–0**	**3.9,3.7**		
NIED	XI	02 16 19 55.9	35.82N	138.16E	16	3.5W,3.7	**¶621618782**	

JMA Event type fe. AKAISHI MOUNTAINS REG .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.17 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-0.64 $M_{r\theta}$1.00 $M_{\theta\phi}$-1.25 $M_{\phi r}$-0.13 NP1:ϕ_s172.00000°,δ57.00000°,λ10.00000°. NP2:ϕ_s76.00000° ,δ81.00000°,λ146.00000°. $M_0$1.70000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**XI**	**03 02 10 53.4–1.8**	**36.30N–.06**	**141.05E–.09**	**28–10**	**3.7b**	**20**	**0-75**
IDC	XI	03 02 10 48.2–1.1	36.43N	141.34E	0	3.7b,3.7	**¶621412212**	
NIED	XI	03 02 10 54.3	36.27N	140.99E	34	3.8W,3.7		
JMA	XI	03 02 10 54.3–.10	36.3N–.30	141.0E–.40	34–1	3.6,3.7		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.64 $M_{\theta\theta}$2.61 $M_{\phi\phi}$-1.97 $M_{r\theta}$1.55 $M_{\theta\phi}$1.93 $M_{\phi r}$4.05 NP1:ϕ_s111.00000°,δ35.00000°,λ-7.00000°. NP2:ϕ_s207.00000° ,δ86.00000°,λ-125.00000°. $M_0$5.29000×10^{14}

JMA Event type fe. E OFF IBARAKI PREF .

(228) Near east coast of eastern Honshu

ISC	**XI**	**03 02 35 56.3–.47**	**37.08N–.03**	**141.22E–.04**	**48–3**	**4.9b,3.8s**	**888**	**0-147**
IDC	XI	03 02 35 49.7–.44	37.09N	141.12E	0	4.6b,4.6	**¶625561550**	
MOS	XI	03 02 35 53.9–.90	37.08N	141.22E	44	5.2b,4.6		
BJI	XI	03 02 35 54.3	37.00N	141.25E	60	5.0b,4.9b		
GFZ	XI	03 02 35 56.7–.64	37N–4.0	141E–6.0	55–4	5.4b,5.0b		
NEIC	XI	03 02 35 56.0–1.1	37.08N–.06	141.26E–.09	46–5	4.9b,4.6		
NIED	XI	03 02 35 56.0	37.07N	141.20E	49	4.7W,4.6		
JMA	XI	03 02 35 56.0–.11	37.1N–.30	141.2E–.40	49–0	4.8,4.7W		
NEIC	XI	03 02 35 57	37.07N	141.28E	57	4.8,4.7W		
GCMT	XI	03 02 36 01.0–.50	37.07N–.03	141.13E–.04	46–2	4.8W,4.7W		

ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.23 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-8.29 $M_{r\theta}$1.63 $M_{\theta\phi}$0.33 $M_{\phi r}$5.81 NP1:ϕ_s9.51000°,δ64.26000°,λ101.30000°. NP2:ϕ_s164.81000°,δ27.95000° ,λ67.89000°. Principal axes: T 9.4880,Plg69.0000°,Azm302.0000°; N 0.7395,Plg10.0000° ,Azm185.0000°; P -10.2275,Plg19.0000°,Azm91.0000° $M_0$9.88000×10^{15}

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.68 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.52 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.96 NP1:ϕ_s205.00000°,δ16.00000°,λ93.00000°. NP2:ϕ_s22.00000° ,δ74.00000°,λ89.00000°. $M_0$1.21000×10^{16}

JMA Event type fe. E OFF FUKUSHIMA PREF .

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111030235A. Moment Tensor Solution. s25,c30; s63,c76; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.50±.13 $M_{\theta\theta}$-0.46±.10; $M_{\phi\phi}$-1.04±.08; $M_{r\theta}$0.31±.07; $M_{\theta\phi}$-0.63±.07; $M_{\phi r}$0.98±.06; Best double couple: NP1:ϕ_s220.00000°,δ28.00000° ,λ104.00000°. NP2:ϕ_s24.00000°,δ62.00000°,λ83.00000°. Principal axes: T 1.8360,Plg72.0000°,Azm278.0000°; N -0.0870,Plg6.0000°,Azm28.0000° ; P -1.7490,Plg17.0000°,Azm120.0000° $M_0$1.79200×10^{16}

(226) Near west coast of eastern Honshu

ISC	**XI**	**03 07 18 01.1–1.5**	**40.80N–.03**	**139.29E–.04**	**12–10**	**3.8b**	**34**	**1-65**
IDC	XI	03 07 17 59.6–.93	40.73N	139.19E	0	3.7b,3.6	**¶621412228**	
NIED	XI	03 07 18 01.5	40.75N	139.24E	18	3.5W,3.6		
JMA	XI	03 07 18 01.5–.12	40.8N–.30	139.2E–.50	18–1	3.9,3.6		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.50 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-1.37 $M_{r\theta}$0.29 $M_{\theta\phi}$0.48 $M_{\phi r}$1.31 NP1:ϕ_s145.00000°,δ29.00000°,λ58.00000°. NP2:ϕ_s0.00000° ,δ66.00000°,λ106.00000°. $M_0$2.02000×10^{14}

JMA Event type fe. W OFF AOMORI PREF .

(224) Hokkaido region

ISC	**XI**	**03 15 58 12.1–.98**	**42.94N–.06**	**145.66E–.05**	**42–8**	**4.2b,3.4s**	**83**	**0-144**
IDC	XI	03 15 58 04.7–1.1	42.98N	146.14E	0	4.0b,3.9	**¶621412249**	
MOS	XI	03 15 58 10.5–1.0	42.86N	145.73E	50	4.6b,3.9		
NEIC	XI	03 15 58 11.6–2.4	42.94N–.09	145.8E–.20	44–9	4.3b,3.9		
JMA	XI	03 15 58 12.5–.11	42.9N–.30	145.6E–.50	38–1	4.2,3.8		
NIED	XI	03 15 58 12.5	42.93N	145.61E	38	3.9W,3.8		
SKHL	XI	03 15 58 13.2–.50	43.00N	145.60E	34–1	5.2b,3.8		

ISC Event type ke.

IDC Error ellipse: s-maj=21.8km s-min=17.4km az=77.0.

MOS Error ellipse: s-maj=11.9km s-min=8.3km az=92.6.

NEIC Event type se. Error ellipse: s-maj=17.5km s-min=11.3km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. OFF NEMURO PENINSULA .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.22 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-3.79 $M_{r\theta}$1.76 $M_{\theta\phi}$-2.89 $M_{\phi r}$5.01 NP1:ϕ_s223.00000°,δ22.00000°,λ110.00000°. NP2:ϕ_s21.00000° ,δ69.00000°,λ82.00000°. $M_0$7.20000×10^{14}

(226) Near west coast of eastern Honshu

JMA	**XI**	**04 13 44 48.1–.04**	**37.5N–.10**	**137.2E–.20**	**13–0**	**3.5**		
NIED	XI	04 13 44 48.1	37.52N	137.22E	13	3.4W	**¶621618783**	

JMA Event type fe. NOTO PENINSULA REGION .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-0.24 $M_{r\theta}$0.29 $M_{\theta\phi}$-0.58 $M_{\phi r}$-0.25 NP1:ϕ_s222.00000°,δ45.00000°,λ64.00000°. NP2:ϕ_s76.00000° ,δ51.00000°,λ113.00000°. $M_0$1.22000×10^{14}

(226) Near west coast of eastern Honshu

JMA	**XI**	**04 13 47 13.8–.08**	**37.5N–.20**	**137.2E–.20**	**11–0**	**3.5**		
NIED	XI	04 13 47 13.8	37.51N	137.22E	11	3.1W	**¶635632549**	

JMA Event type fe. NOTO PENINSULA REGION .

NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{13}Nm; M_{rr}2.95 $M_{\theta\theta}$-2.80 $M_{\phi\phi}$-0.15 $M_{r\theta}$-1.81 $M_{\theta\phi}$-4.23 $M_{\phi r}$-1.22 NP1:ϕ_s41.00000°,δ33.00000°,λ73.00000°. NP2:ϕ_s242.00000° ,δ59.00000°,λ101.00000°. $M_0$4.95000×10^{13}

(226) Near west coast of eastern Honshu

ISC	**XI**	**04 15 21 48.6–.97**	**37.54N–.04**	**137.20E–.04**	**14–6**	**3.4b**	**26**	**0-80**
IDC	XI	04 15 21 46.3–.72	37.57N	137.17E	0	3.5b,3.5	**¶621412303**	
NIED	XI	04 15 21 49.1	37.51N	137.23E	13	3.8W,3.5		
JMA	XI	04 15 21 49.1–.05	37.5N–.10	137.2E–.20	13–0	4.2,4.0		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.83 $M_{\theta\theta}$-3.02 $M_{\phi\phi}$-1.82 $M_{r\theta}$0.48 $M_{\theta\phi}$-2.29 $M_{\phi r}$-1.00 NP1:ϕ_s64.00000°,δ45.00000°,λ107.00000°. NP2:ϕ_s221.00000° ,δ48.00000°,λ74.00000°. $M_0$4.93000×10^{14}

JMA Event type fe. NOTO PENINSULA REGION .

(221) Kuril Islands

ISC	**XI**	**05 15 27 13.6–.40**	**49.98N–.05**	**156.99E–.04**	**82–2**	**4.8b**	**762**	**1-152**
KRSC	XI	05 15 27 10.2–2.1	49.89N	157.38E	59–34	4.9L	**¶621366503**	
BJI	XI	05 15 27 10.4	50.12N	156.99E	73	4.7b,4.7b		
MOS	XI	05 15 27 11.2–1.0	49.90N	156.99E	76	5.0b,4.7b		
IDC	XI	05 15 27 13.5–1.8	50.05N	156.81E	75–14	4.4,4.1b		
GFZ	XI	05 15 27 13.3–.40	50N–6.0	157E–6.0	71	5.5b,5.0b		
NEIC	XI	05 15 27 14.3–2.2	50.08N–.10	156.9E–.20	80–6	4.8b,5.0b		

ISC Event type se.

KRSC Event type se. Felt [III] at Severo-Kurilsk.

MOS Event type fe. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(227) Eastern Honshu

ISC	**XI**	**06 00 08 45.9–.64**	**38.20N–.04**	**140.78E–.06**	**103–5**	**4.1b**	**97**	**0-147**
IDC	XI	06 00 08 46.0–1.7	38.16N	140.71E	105–16	3.9,3.5b	**¶621415963**	
NIED	XI	06 00 08 46.2	38.25N	140.76E	95	3.9W,3.5b		
JMA	XI	06 00 08 46.2–.09	38.2N–.30	140.8E–.40	95–0	3.9,3.5b		
NEIC	XI	06 00 08 47.3–1.0	38.26N–.08	140.7E–.10	101–7	4.3b,3.5b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.96 $M_{\theta\theta}$-3.61 $M_{\phi\phi}$-0.35 $M_{r\theta}$1.66 $M_{\theta\phi}$4.44 $M_{\phi r}$-5.67 NP1:ϕ_s272.00000°,δ34.00000°,λ32.00000°. NP2:ϕ_s155.00000° ,δ73.00000°,λ120.00000°. $M_0$8.29000×10^{14}

JMA Event type fe. SOUTHERN MIYAGI PREF .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**XI**	**06 14 40 05.7–.93**	**37.29N–.06**	**142.24E–.08**	**35**	**4.4b**	**23**	**1-67**
IDC	XI	06 14 40 01.9–.92	37.21N	142.40E	0	4.1b,4.1	**¶621415987**	
NIED	XI	06 14 40 08.3	37.37N	141.93E	39	4.2W,4.1		
JMA	XI	06 14 40 08.3–.09	37.4N–.30	141.9E–.30	39–0	4.4,4.3		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.37 $M_{\theta\theta}$-0.88 $M_{\phi\phi}$0.51 $M_{r\theta}$0.79 $M_{\theta\phi}$1.47 $M_{\phi r}$0.89 NP1:ϕ_s342.00000°,δ63.00000°,λ160.00000°. NP2:ϕ_s82.00000° ,δ72.00000°,λ29.00000°. $M_0$2.02000×10^{15}

JMA Event type fe. E OFF FUKUSHIMA PREF .

(228) Near east coast of eastern Honshu

ISC	**XI**	**06 15 07 37.2–1.2**	**39.45N–.05**	**142.39E–.09**	**52–10**	**3.8b**	**38**	**0-75**
JMA	XI	06 15 07 37.4–.05	39.4N–.10	142.4E–.10	48–0	3.9,3.9	**¶621415989**	
IDC	XI	06 15 07 38.4–2.1	39.50N	142.35E	62–18	3.9,3.6b		

ISC Event type ke.

JMA Event type fe. E OFF IWATE PREF .

IDC Error ellipse: s-maj=18.1km s-min=12.4km az=113.0.

(227) Eastern Honshu

ISC	**XI**	**06 19 40 58.1–.82**	**35.99N–.04**	**139.90E–.04**	**50–7**	**4.3b,3.3s**	**77**	**0-148**
NIED	XI	06 19 40 58.7	36.05N	139.91E	44	3.9W,3.3s	**¶635635391**	
IDC	XI	06 19 40 58.4–1.2	35.96N	139.70E	49–12	3.9,3.7L		
JMA	XI	06 19 40 58.7–.07	36.1N–.20	139.9E–.20	44–0	4.0,3.9		
NEIC	XI	06 19 40 59.3–1.4	36.01N–.05	139.86E–.08	59–7	4.5b,3.9		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.04 $M_{\theta\theta}$-4.74 $M_{\phi\phi}$-0.29 $M_{r\theta}$3.10 $M_{\theta\phi}$-2.32 $M_{\phi r}$4.11 NP1:ϕ_s267.00000°,δ28.00000°,λ126.00000°. NP2:ϕ_s47.00000° ,δ68.00000°,λ72.00000°. $M_0$7.47000×10^{14}

JMA Event type fe. SW IBARAKI PREF .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**XI**	**07 12 44 29.5–.56**	**40.20N–.04**	**142.36E–.04**	**50–4**	**4.5b,3.5s**	**202**	**0-88**
NIED	XI	07 12 44 28.6	40.15N	142.36E	40	4.3W,3.5s	**¶621372286**	
MOS	XI	07 12 44 28.0–1.1	40.25N	142.33E	51	4.8b,3.5s		
JMA	XI	07 12 44 28.6–.07	40.1N–.20	142.4E–.30	40–0	4.3,4.3		
NEIC	XI	07 12 44 30.6–1.1	40.28N–.06	142.27E–.08	59–3	4.4b,4.3		
IDC	XI	07 12 44 30.1–1.7	40.18N	142.32E	56–14	4.1,3.8b		
GFZ	XI	07 12 44 31.0–.36	40N–4.0	142E–6.0	52–2	6.1b,5.8		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.98 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.86 $M_{r\theta}$0.96 $M_{\theta\phi}$-0.33 $M_{\phi r}$2.55 NP1:ϕ_s183.00000°,δ18.00000°,λ75.00000°. NP2:ϕ_s19.00000° ,δ72.00000°,λ95.00000°. $M_0$3.35000×10^{15}

JMA Event type fe. NE OFF IWATE PREF .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(228) Near east coast of eastern Honshu

ISC	**XI**	**07 18 08 30.2–.66**	**36.22N–.04**	**140.11E–.05**	**53–5**	**4.4b,3.5s**	**170**	**0-148**
MOS	XI	07 18 08 27.0–1.0	36.16N	140.20E	43	4.6b,3.5s	**¶621372479**	
IDC	XI	07 18 08 30.9–1.6	36.17N	139.93E	57–13	4.3,4.0b		
NEIC	XI	07 18 08 31.6–1.4	36.21N–.06	140.04E–.08	59–4	4.4b,4.0b		
NIED	XI	07 18 08 31.3	36.20N	140.04E	52	4.2W,4.0b		
JMA	XI	07 18 08 31.3–.07	36.2N–.20	140.0E–.30	52–0	4.4,4.3		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.55 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$-0.12 $M_{r\theta}$1.31 $M_{\theta\phi}$-0.82 $M_{\phi r}$1.01 NP1:ϕ_s255.00000°,δ24.00000°,λ109.00000°. NP2:ϕ_s55.00000° ,δ67.00000°,λ82.00000°. $M_0$2.37000×10^{15}

JMA Event type fe. SW IBARAKI PREF .

(224) Hokkaido region

ISC	**XI**	**07 19 22 19.5–.43**	**41.03N–.04**	**142.05E–.04**	**67–2**	**4.5b**	**368**	**1-131**
MOS	XI	07 19 22 17.7–.85	41.03N	142.06E	66	4.8b	**¶621372488**	
NIED	XI	07 19 22 18.7	41.05N	142.04E	57	4.2W		
JMA	XI	07 19 22 18.7–.09	41.1N–.30	142.0E–.30	57–0	4.3,4.2		
IDC	XI	07 19 22 19.8–1.4	41.04N	142.02E	68–12	4.3,4.0b		
NEIC	XI	07 19 22 19.5–1.4	41.07N–.07	141.95E–.08	59–6	4.5b,4.0b		
GFZ	XI	07 19 22 19.4–.35	41N–5.0	142E–5.0	58	6.1b,5.7		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.20 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.24 $M_{r\theta}$0.90 $M_{\theta\phi}$-0.02 $M_{\phi r}$1.69 NP1:ϕ_s164.00000°,δ19.00000°,λ53.00000°. NP2:ϕ_s23.00000° ,δ75.00000°,λ102.00000°. $M_0$2.27000×10^{15}

JMA Event type fe. E OFF AOMORI PREF .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(249) Luzon

ISC	**XI**	**07 20 30 59.8–1.2**	**18.55N–.05**	**120.76E–.05**	**27–8**	**3.8b,2.6s**	**56**	**0-83**
IDC	XI	07 20 30 54.1–1.1	18.44N	121.21E	0	5.0L,3.7b		**¶621416049**
MAN	XI	07 20 31 01.2	18.30N	120.81E	8	5.3b,4.4s		

ISC Event type se.
IDC Error ellipse: s-maj=48.0km s-min=15.7km az=68.0.
MAN Event type fe. INTENSITY IV - BACARRA BANGUI BURGOS CITY OF LAOAG PAGUDPUD AND PASUQUIN ILOCOS NORTE ; . INTENSITY III - CITY OF BATAC PAOAY SAN NICOLAS SARRAT AND VINTAR ILOCOS NORTE ; . INTENSITY II - CLAVERIA AND SANTA PRAXEDES CAGAYAN ; . INTENSITY I - SINAIT ILOCOS SUR.

(259) Mindanao

ISC	**XI**	**08 04 16 46.5–.36**	**7.93N–.03**	**126.72E–.04**	**61–3**	**4.7b**	**379**	**0-163**
DJA	XI	08 04 16 41.0–1.1	8N–9.0	127E–4.0	92–12	5.4,5.3b		**¶621372556**
GFZ	XI	08 04 16 44.2–.26	8N–3.0	127E–5.0	61	5.2L,5.0b		
BJI	XI	08 04 16 44.1	7.65N	126.81E	75	4.6b,5.0b		
MAN	XI	08 04 16 44.6	7.94N	126.80E	28	5.5b,4.8s		
NEIC	XI	08 04 16 47.2–2.0	7.95N–.07	126.69E–.08	61–6	4.8b,4.8s		
IDC	XI	08 04 16 49.4–1.1	7.99N	126.63E	86–10	4.5,4.1b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe. INTENSITY III - COMPOSTELA MACO MONKAYO AND NABUNTURAN DAVAO DE ORO; CITY OF PANABO DAVAO DEL NORTE; BAGANGA AND CATEEL DAVAO ORIENTAL.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.6km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.1km s-min=8.5km az=82.0.

(259) Mindanao

ISC	**XI**	**08 07 04 49.1–.59**	**6.41N–.03**	**126.19E–.04**	**84–5**	**4.7b**	**428**	**1-169**
BJI	XI	08 07 04 41.5	5.74N	126.60E	85	5.1b,4.8b		**¶621372569**
MAN	XI	08 07 04 47.8	6.40N	126.27E	42	5.5b,4.7s		
IDC	XI	08 07 04 49.6–.55	6.34N	125.89E	90–4	4.5,4.1b		
GFZ	XI	08 07 04 49.3–.26	7N–3.0	126E–5.0	84	5.5,5.3b		
DJA	XI	08 07 04 49.9–.40	6N–3.0	126E–3.0	56–4	5.5,5.4b		
NEIC	XI	08 07 04 49.3–1.1	6.45N–.07	126.14E–.08	83–5	4.8b,5.4b		

ISC Event type se.
MAN Event type fe. INTENSITY III - GOVERNOR GENEROSO DAVAO ORIENTAL; . INTENSITY II - CITY OF DAVAO; TARRAGONA DAVAO ORIENTAL; CITY OF GENERAL SANTOS ; . INTENSITY I - BAGUMBAYAN SULTAN KUDARAT.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**XI**	**08 15 34 43.4–1.7**	**39.42N–.03**	**142.14E–.07**	**26–12**	**3.6b**	**34**	**0-63**
IDC	XI	08 15 34 39.0–.96	39.34N	142.25E	0	3.7,3.6b		**¶621423105**
JMA	XI	08 15 34 45.5–.06	39.4N–.20	142.0E–.30	46–0	4.0,3.8		

ISC Event type ke.
JMA Event type fe. SOUTHERN IWATE PREF .

(227) Eastern Honshu

ISC	**XI**	**08 16 14 57.3–.52**	**37.08N–.02**	**140.58E–.03**	**11–3**	**4.8b,3.5s**	**635**	**0-156**
IDC	XI	08 16 14 55.2–.41	37.07N	140.44E	0	4.6b,4.6		**¶621384580**
JMA	XI	08 16 14 57.2–.03	37.1N–.10	140.6E–.20	6–0	4.9,4.7		
NIED	XI	08 16 14 57.2	37.06N	140.58E	6	4.4W,4.7		
BJI	XI	08 16 14 58.3	36.96N	140.81E	48	4.9b,4.7b		
MOS	XI	08 16 14 58.2–1.0	37.19N	140.56E	27	5.0b,4.7b		
NEIC	XI	08 16 15 01.6–1.3	37.09N–.05	140.51E–.08	36–5	4.7b,4.7b		
GFZ	XI	08 16 15 02.9–.17	37N–3.0	140E–3.0	46	6.0b,5.9		

ISC Event type ke.
JMA Event type fe. MID FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.97 $M_{\theta\theta}$3.80 $M_{\phi\phi}$0.18 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.82 $M_{\phi r}$-0.36 NP1:ϕ_s98.00000°,δ42.00000°,λ-96.00000°. NP2:ϕ_s286.00000°,δ48.00000°,λ-85.00000°. M_o4.01000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	**XI**	**10 05 57 26.7–1.8**	**36.44N–.06**	**141.17E–.09**	**28–10**	**3.7b**	**27**	**0-78**
NIED	XI	10 05 57 27.6	36.45N	141.09E	42	3.7W		**¶621440044**
JMA	XI	10 05 57 27.6–.09	36.4N–.20	141.1E–.30	42–1	3.8		
IDC	XI	10 05 57 28.7–4.0	36.32N	141.12E	45–38	3.7,3.5b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.33 $M_{\theta\theta}$-2.10 $M_{\phi\phi}$-1.24 $M_{r\theta}$0.91 $M_{\theta\phi}$-1.66 $M_{\phi r}$-0.10 NP1:ϕ_s222.00000°,δ40.00000°,λ74.00000°. NP2:ϕ_s63.00000°,δ51.00000°,λ103.00000°. M_o3.48000×10^{14}
JMA Event type fe. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=31.6km s-min=29.8km az=8.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**10 13 08 56.0–1.0**	**40.16N–.04**	**142.37E–.06**	**45–9**	**4.2b**	**70**	**0-72**
NIED	XI	10 13 08 54.7	40.11N	142.47E	38	4.0W		**¶621440060**
JMA	XI	10 13 08 54.7–.07	40.1N–.20	142.5E–.30	38–0	3.9		
NEIC	XI	10 13 08 57.9–.97	40.28N–.06	142.26E–.07	59–7	4.3b		
IDC	XI	10 13 08 58.6–2.7	40.29N	142.35E	68–19	3.8,3.6b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.52 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.41 $M_{r\theta}$0.28 $M_{\theta\phi}$-0.19 $M_{\phi r}$0.85 NP1:ϕ_s211.00000°,δ15.00000°,λ102.00000°. NP2:ϕ_s19.00000°,δ75.00000°,λ87.00000°. M_o1.03000×10^{15}
JMA Event type fe. NE OFF IWATE PREF .
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.4km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.6km s-min=16.0km az=125.0.

(239) Southeast of Ryukyu Islands

ISC	**XI**	**10 15 45 13.6–.35**	**23.53N–.02**	**126.48E–.02**	**14–1**	**6.5s,6.3b**	**3186**	**2-178**
BJI	XI	10 15 45 09.1	23.50N	126.55E	10	6.8s,6.8		**¶621391510**
PTWC	XI	10 15 45 10	23.40N	126.50E	10	6.6,6.8		
MOS	XI	10 15 45 11.4–.98	23.58N	126.52E	10	6.6s,6.5b		
IDC	XI	10 15 45 11.8–.32	23.56N	126.41E	0	6.3s,5.9L		
IPGP	XI	10 15 45 13.0	23.54N	126.48E	13	6.5W,5.9L		
NEIC	XI	10 15 45 13.8	23.57N	126.45E	13	6.5W,5.9L		
NEIC	XI	10 15 45 13.7–1.6	23.59N–.05	126.45E–.07	12–1	6.4b,6.4		
NEIC	XI	10 15 45 13.8	23.57N	126.45E	13	6.4b,6.4		
NEIC	XI	10 15 45 13.3	23.56N	126.46E	10	6.4b,6.4		
ISC-P	XI	10 15 45 13	23.59N	126.45E	37–0	6.8,6.4		
NIED	XI	10 15 45 14.6	23.73N	126.37E	115	6.4W,6.4		
GFZ	XI	10 15 45 14.0	23.56N	126.40E	20	6.5W,6.4		
GFZ	XI	10 15 45 14.5–.06	24N–1.0	126E–1.0	20	6.8b,6.7		
TAP	XI	10 15 45 14.9	23.55N	126.14E	10–3	6.5L,6.7		
JMA	XI	10 15 45 14.6–.22	24N–2.0	126E–1.0	115–4	6.6W,6.5		
BGR	XI	10 15 45 18.6	23.41N	125.45E	33	7.2s,6.9		
GCMT	XI	10 15 45 18.3–.00	23.54N	126.31E	22–0	6.6W,6.9		
NEIC	XI	10 15 45 23.9	23.34N	126.25E	29	6.6,6.9		
NEIC	XI	10 15 45 25.7	23.56N	126.35E	26	6.6,6.9		

ISC Event type ke.
MOS Error ellipse: s-maj=5.7km s-min=3.4km az=113.5.
IDC Error ellipse: s-maj=10.5km s-min=7.9km az=104.0.
IPGP Moment Tensor Solution. NP1:ϕ_s252.00000°,δ42.00000°,λ-104.00000°. NP2:ϕ_s90.00000°,δ49.00000°,λ-78.00000°.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.3km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-3.26 $M_{\theta\theta}$5.41 $M_{\phi\phi}$-2.15 $M_{r\theta}$-0.46 $M_{\theta\phi}$1.73 $M_{\phi r}$0.03 NP1:ϕ_s86.37000°,δ48.50000°,λ-77.74000°. NP2:ϕ_s248.21000°,δ42.95000°,λ-103.49000°. Principal axes: T 5.8093,Plg3.0000°,Azm168.0000°; N -2.5069,Plg9.0000°,Azm258.0000°; P -3.3024,Plg80.0000°,Azm61.0000° M_o5.05000×10^{18}
NEIC Event type se.
NEIC Event type se.
ISC-P Moment Tensor Solution. s45 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.71±.07 $M_{\theta\theta}$0.65±.17; $M_{\phi\phi}$0.08±.17; $M_{r\theta}$0.05±.13; $M_{\theta\phi}$-0.09±.12; $M_{\phi r}$0.16±.33; NP1:ϕ_s67.90000°,δ44.40000°,λ259.70000°. NP2:ϕ_s262.10000°,δ46.50000°,λ-80.10000°. M_o1.78000×10^{19}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.65 $M_{\theta\theta}$4.64 $M_{\phi\phi}$-0.98 $M_{r\theta}$-1.87 $M_{\theta\phi}$1.37 $M_{\phi r}$-0.18 NP1:ϕ_s251.00000°,δ34.00000°,λ-99.00000°. NP2:ϕ_s82.00000°,δ57.00000°,λ-84.00000°. M_o4.70000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-6.44 $M_{\theta\theta}$6.79 $M_{\phi\phi}$-0.35 $M_{r\theta}$-1.70 $M_{\theta\phi}$1.35 $M_{\phi r}$1.46 NP1:ϕ_s94.22642°,δ52.78728°,λ-71.27993°. NP2:ϕ_s244.96337°,δ41.03884°,λ-112.91058°. Principal axes: T 7.1893,Plg6.0678°,Azm171.0341°; N -0.1341,Plg14.8091°,Azm262.6445°; P -7.0552,Plg73.9430°,Azm59.3601° M_o7.12318×10^{18}
GFZ Error ellipse: s-maj=2.8km s-min=2.6km az=76.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
TAP D.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111101545A. Moment Tensor Solution. s166,c404; s166,c764;Duration: 4s8 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.82±.00 $M_{\theta\theta}$0.94±.00; $M_{\phi\phi}$-0.12±.00; $M_{r\theta}$-0.11±.01; $M_{\theta\phi}$0.25±.00; $M_{\phi r}$0.15±.01; Best double couple: NP1:ϕ_s243.00000°,δ44.00000°,λ-110.00000°. NP2:ϕ_s91.00000°,δ49.00000°,λ-71.00000°. Principal axes: T 0.9980,Plg2.0000°,Azm168.0000°; N -0.1360,Plg14.0000°,Azm258.0000°; P -0.8630,Plg76.0000°,Azm68.0000° M_o0.93000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 11s5 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.93 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-0.14 $M_{r\theta}$-0.48 $M_{\theta\phi}$0.19 $M_{\phi r}$-0.13 NP1:ϕ_s77.70000°,δ58.09000°,λ-94.10000°. NP2:ϕ_s265.43000°,δ32.15000°,λ-83.45000°. Principal axes: T 1.2116,Plg13.0000°,Azm171.0000°; N -0.1689,Plg3.0000°,Azm80.0000°; P -1.0427,Plg77.0000°,Azm335.0000° M_o1.13000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 10s1 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.81 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-0.13 $M_{r\theta}$-0.35 $M_{\theta\phi}$0.24 $M_{\phi r}$0.23 NP1:ϕ_s238.11000°,δ39.49000°,λ-122.00000°. NP2:ϕ_s97.11000°,δ57.36000°,λ-66.41000°. Principal axes: T 1.0437,Plg9.0000°,Azm170.0000°; N -0.0784,Plg20.0000°,Azm264.0000°; P -0.9653,Plg68.0000°,Azm56.0000° M_o1.01000×10^{19}

(228) Near east coast of eastern Honshu

ISC	**XI**	**11 03 21 26.4–.96**	**36.38N–.05**	**141.22E–.06**	**27–6**	**4.3b,3.3s**	**93**	**1-147**
IDC	XI	11 03 21 22.3–.58	36.38N	141.23E	0	4.1b,4.1		**¶621392748**
NIED	XI	11 03 21 26.9	36.40N	141.13E	40	4.2W,4.1		
JMA	XI	11 03 21 26.9–.09	36.4N–.20	141.1E–.30	40–1	4.3,4.3		
NEIC	XI	11 03 21 27.9–1.7	36.38N–.06	141.22E–.08	32–5	4.5b,4.3		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.33 $M_{\theta\theta}$0.20 $M_{\phi\phi}$2.13 $M_{r\theta}$0.77 $M_{\theta\phi}$-0.67 $M_{\phi r}$-0.13 NP1:ϕ_s177.00000°,δ43.00000°,λ-67.00000°. NP2:ϕ_s327.00000°,δ51.00000°,λ-110.00000°. M_o2.46000×10^{15}
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(249) Luzon

ISC	**XI**	**11 09 38 44.6–1.1**	**13.37N–.03**	**124.78E–.04**	**32–8**	**4.4b,3.4s**	**171**	**1-150**
MAN	XI	11 09 38 42.1	13.37N	124.88E	1	5.3b,4.4s		**¶621449521**
NEIC	XI	11 09 38 45.7–1.6	13.32N–.08	124.7E–.10	34–2	4.6b,4.4s		
IDC	XI	11 09 38 49.6–2.2	13.25N	124.83E	79–19	4.2,3.9b		

ISC Event type se.
MAN Event type fe. INTENSITY I - BARAS CATANDUANES.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=11.1km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=9.0km az=82.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**12 02 13 50.0–.62**	**35.63N–.03**	**140.22E–.04**	**59–5**	**4.5b**	**288**	**0-125**
MOS	XI	12 02 13 48.4–1.1	35.69N	140.29E	57	4.7b		**¶635640402**
JMA	XI	12 02 13 50.1–.13	35.7N–.30	140.2E–.50	68–1	3.7		
IDC	XI	12 02 13 51.1–.37	35.51N	140.15E	69–3	4.3,4.0b		
NEIC	XI	12 02 13 51.9–1.2	35.65N–.02	140.16E–.07	71–5	4.5b,4.0b		

ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(233) Near south coast of western Honshu

ISC	**XI**	**12 23 49 04.7–1.4**	**34.26N–.05**	**134.70E–.03**	**7–9**	**3.6b,3.1s**	**34**	**0-81**
IDC	XI	12 23 49 03.4–.79	34.20N	134.76E	0	3.6b,3.6		**¶621460228**
NIED	XI	12 23 49 06.1	34.37N	134.66E	14	3.9W,3.6		
JMA	XI	12 23 49 06.1–.05	34.4N–.10	134.7E–.20	14–1	4.2,4.1		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.24 $M_{\theta\theta}$6.57 $M_{\phi\phi}$-6.82 $M_{r\theta}$-2.22 $M_{\theta\phi}$-3.01 $M_{\phi r}$0.55 NP1:ϕ_s236.00000°,δ78.00000°,λ168.00000°. NP2:ϕ_s328.00000°,δ79.00000°,λ12.00000°. M_o7.68000×10^{14}
JMA Event type fe. HARIMANADA SETONAIKAI .

(230) Near south coast of eastern Honshu

ISC	**XI**	**13 02 59 37.9–.85**	**34.94N–.03**	**139.65E–.02**	**34–2**	**3.8b**	**72**	**0-77**
NIED	XI	13 02 59 37.8	34.92N	139.64E	40	3.6W		**¶621468578**
JMA	XI	13 02 59 37.8–.08	34.9N–.20	139.6E–.20	40–0	3.4		
NEIC	XI	13 02 59 38.5–2.6	34.92N–.05	139.86E–.03	36–11	4.4b		
IDC	XI	13 02 59 39.1–1.1	34.88N	139.53E	48–11	3.6,3.4b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.21 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-1.17 $M_{r\theta}$2.00 $M_{\theta\phi}$-1.68 $M_{\phi r}$0.11 NP1:ϕ_s181.00000°,δ41.00000°,λ25.00000°. NP2:ϕ_s71.00000°,δ74.00000°,λ128.00000°. M_o2.87000×10^{14}
JMA Event type fe. SAGAMINADA .
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.1km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.4km s-min=5.0km az=70.0.

(235) Kyushu

ISC	**XI**	**13 04 45 05.6–.29**	**31.16N–.03**	**130.47E–.03**	**153–2**	**4.8b**	**693**	**0-114**
BGR	XI	13 04 44 57.6	32.63N	131.27E	33	5.3b		**¶621402629**
BJI	XI	13 04 45 01.2	30.93N	130.79E	154	5.0b,4.7b		
MOS	XI	13 04 45 04.9–.90	31.20N	130.41E	157	5.0b,4.7b		
IDC	XI	13 04 45 05.6–.45	31.20N	130.40E	155–3	4.6,4.1b		
NEIC	XI	13 04 45 06.7–1.6	31.23N–.06	130.37E–.08	151–4	4.9b,4.1b		
NIED	XI	13 04 45 06.4	31.19N	130.47E	149	5.0W,4.1b		
JMA	XI	13 04 45 06.4–.13	31.2N–.40	130.5E–.70	149–1	5.0W,4.7		
GCMT	XI	13 04 45 07.9–.20	31.24N–.01	130.39E–.01	158–1	5.0W,4.7		
GFZ	XI	13 04 45 07.2	31.24N	130.40E	156	5.0W,4.7		
GFZ	XI	13 04 45 07.1–.41	31N–5.0	130E–4.0	156–3	5.4L,5.2b		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.46 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-0.78 $M_{r\theta}$0.36 $M_{\theta\phi}$-1.16 $M_{\phi r}$3.07 NP1:ϕ_s249.00000°,δ21.00000°,λ145.00000°. NP2:ϕ_s13.00000°,δ78.00000°,λ72.00000°. M_o3.53000×10^{16}
JMA Event type fe. SATSUMA PENINSULA REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111130445A. Moment Tensor Solution. s69,c85; s128,c200; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.48±.09 $M_{\theta\theta}$-1.28±.10; $M_{\phi\phi}$-0.19±.12; $M_{r\theta}$0.56±.07; $M_{\theta\phi}$-1.68±.10; $M_{\phi r}$3.92±.08; Best double couple: NP1:ϕ_s265.00000°,δ25.00000°,λ157.00000°. NP2:ϕ_s16.00000°,δ80.00000°,λ67.00000°. Principal axes: T 4.7190,Plg49.0000°,Azm260.0000°; N -0.4220,Plg23.0000°,Azm20.0000°; P -4.2920,Plg31.0000°,Azm125.0000° M_o4.50600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.12 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-2.24 $M_{r\theta}$0.45 $M_{\theta\phi}$-1.26 $M_{\phi r}$2.48 NP1:ϕ_s218.96844°,δ23.85691°,λ114.57086°. NP2:ϕ_s12.40631°,δ68.41817°,λ79.58021°. Principal axes: T 3.2475,Plg65.0648°,Azm264.7479°; N 0.5665,Plg9.6820°,Azm16.2759°; P -3.8140,Plg22.7428°,Azm110.3771° M_o3.56465×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	**XI**	**13 11 17 01.2–.69**	**34.13N–.04**	**140.31E–.05**	**83–6**	**4.3b**	**82**	**1-93**
NEIC	XI	13 11 17 01.5–1.0	34.11N–.03	140.5E–.10	85–7	4.4b		**¶621402729**
NIED	XI	13 11 17 01.6	34.16N	140.29E	78	3.9W		
JMA	XI	13 11 17 01.6–.09	34.2N–.30	140.3E–.30	78–0	4.2,4.1		
IDC	XI	13 11 17 02.7–.90	34.08N	140.21E	92–7	4.0,3.7b		

ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=13.7km s-min=4.5km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.51 $M_{\theta\theta}$-3.70 $M_{\phi\phi}$1.19 $M_{r\theta}$2.15 $M_{\theta\phi}$3.86 $M_{\phi r}$-6.31 NP1:ϕ_s261.00000°,δ33.00000°,λ19.00000°. NP2:ϕ_s155.00000°,δ80.00000°,λ122.00000°. M_o8.37000×10^{14}

JMA Event type fe. FAR S OFF BOSO PENINSULA.

IDC Error ellipse: s-maj=20.8km s-min=7.2km az=75.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**13 14 33 00.5–.94**	**35.52N–.05**	**140.10E–.05**	**70–7**	**3.6b**	**29**	**0-92**
IDC	XI	13 14 32 58.7–.85	34.74N	137.97E	0	3.6b,3.6		**¶621468605**
JMA	XI	13 14 32 59.7–.16	35.6N–.40	140.1E–.60	71–1	3.0,3.6		

ISC Event type ke.

JMA Event type fe. CENTRAL CHIBA PREF .

(236) Shikoku

ISC	**XI**	**13 18 23 59.2–1.1**	**33.45N–.05**	**132.20E–.05**	**48–10**		**17**	**0-57**
IDC	XI	13 18 23 57.4–1.7	33.41N	132.23E	33–17	3.4,3.4s		**¶621468613**
JMA	XI	13 18 23 59.5–.05	33.5N–.20	132.2E–.20	48–0	3.3,3.4s		

ISC Event type ke.

JMA Event type fe. IYONADA SETONAIKAI .

(224) Hokkaido region

ISC	**XI**	**14 13 08 46.6–.61**	**41.58N–.04**	**141.53E–.04**	**89–5**	**4.5b**	**216**	**0-88**
MOS	XI	14 13 08 45.6–.94	41.63N	141.48E	94	4.5b		**¶621403071**
NEIC	XI	14 13 08 47.7–1.3	41.62N–.06	141.53E–.10	89–7	4.6b		
IDC	XI	14 13 08 47.3–1.4	41.62N	141.52E	97–11	4.1,3.8b		
JMA	XI	14 13 08 47.2–.10	41.6N–.30	141.5E–.50	85–0	4.0,3.9		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. TSUGARU STRAIT REGION .

(233) Near south coast of western Honshu

ISC	**XI**	**14 14 23 20.8–1.0**	**34.33N–.04**	**134.69E–.02**	**11–8**	**3.6b**	**32**	**0-58**
IDC	XI	14 14 23 19.6–.76	34.31N	134.73E	0	3.6,3.5L		**¶635642585**
NIED	XI	14 14 23 21.2	34.38N	134.67E	14	3.9W,3.5L		
JMA	XI	14 14 23 21.2–.04	34.4N–.10	134.7E–.10	14–0	4.2,4.0		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.07 $M_{\theta\theta}$4.37 $M_{\phi\phi}$-5.44 $M_{r\theta}$-3.25 $M_{\theta\phi}$-2.65 $M_{\phi r}$-1.65 NP1:ϕ_s331.00000°,δ56.00000°,λ8.00000°. NP2:ϕ_s236.00000°,δ83.00000°,λ146.00000°. M_o6.72000×10^{14}

JMA Event type fe. HARIMANADA SETONAIKAI .

(226) Near west coast of eastern Honshu

ISC	**XI**	**15 01 04 39.2–1.2**	**37.51N–.05**	**137.23E–.06**	**12–11**		**11**	**0-2**
NIED	XI	15 01 04 39.1	37.52N	137.24E	13	3.3W		**¶621615769**
JMA	XI	15 01 04 39.1–.03	37.5N–.10	137.2E–.10	13–0	3.6		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.89 $M_{\theta\theta}$-1.00 $M_{\phi\phi}$0.10 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.44 $M_{\phi r}$-0.07 NP1:ϕ_s237.00000°,δ39.00000°,λ69.00000°. NP2:ϕ_s83.00000°,δ54.00000°,λ106.00000°. M_o1.08000×10^{14}

JMA Event type fe. NOTO PENINSULA REGION .

(228) Near east coast of eastern Honshu

ISC	**XI**	**15 22 48 33.6–.77**	**35.84N–.04**	**140.58E–.08**	**35**	**3.6b**	**23**	**0-91**
IDC	XI	15 22 48 28.4–.95	35.76N	140.73E	0	3.6b,3.6		**¶621475653**
NIED	XI	15 22 48 32.9	35.87N	140.54E	37	3.8W,3.6		
JMA	XI	15 22 48 32.9–.11	35.9N–.30	140.5E–.40	37–1	3.8,3.5		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.52 $M_{\theta\theta}$-1.75 $M_{\phi\phi}$1.23 $M_{r\theta}$4.78 $M_{\theta\phi}$-1.27 $M_{\phi r}$3.21 NP1:ϕ_s293.00000°,δ11.00000°,λ149.00000°. NP2:ϕ_s53.00000°,δ84.00000°,λ80.00000°. M_o5.97000×10^{14}

JMA Event type fe. SOUTHERN IBARAKI PREF .

(230) Near south coast of eastern Honshu

ISC	**XI**	**16 17 54 45.6–.77**	**35.42N–.03**	**139.17E–.04**	**26–5**	**4.2b,3.4s**	**72**	**0-93**
NEIC	XI	16 17 54 44.4–2.3	35.43N–.03	139.17E–.03	10–1	4.4b,3.4s		**¶621412426**
NIED	XI	16 17 54 45.9	35.43N	139.15E	23	4.2W,3.4s		
JMA	XI	16 17 54 45.9–.09	35.4N–.20	139.2E–.20	23–0	4.4,4.2		
IDC	XI	16 17 54 48.3–.76	35.35N	139.01E	56–9	3.8,3.6b		

ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.14 $M_{\theta\theta}$0.09 $M_{\phi\phi}$0.05 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.91 $M_{\phi r}$1.74 NP1:ϕ_s272.00000°,δ27.00000°,λ-175.00000°. NP2:ϕ_s177.00000°,δ88.00000°,λ-63.00000°. M_o1.97000×10^{15}

JMA Event type fe. KANAGAWA PREF .

IDC Error ellipse: s-maj=22.9km s-min=5.3km az=70.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**16 22 46 32.3–1.5**	**37.60N–.05**	**141.78E–.09**	**46–12**	**4.1b**	**61**	**1-74**
NEIC	XI	16 22 46 32.7–1.3	37.62N–.07	141.8E–.10	48–5	4.2b		**¶621475697**
IDC	XI	16 22 46 32.3–2.3	37.69N	141.92E	50–20	3.8,3.6b		
NIED	XI	16 22 46 33.7	37.65N	141.59E	53	3.8W,3.6b		
JMA	XI	16 22 46 33.7–.05	37.7N–.10	141.6E–.20	53–0	4.2,4.0		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.31 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-3.29 $M_{r\theta}$0.96 $M_{\theta\phi}$-0.23 $M_{\phi r}$3.43 NP1:ϕ_s176.00000°,δ22.00000°,λ75.00000°. NP2:ϕ_s12.00000°,δ69.00000°,λ96.00000°. M_o4.87000×10^{14}

JMA Event type fe. E OFF FUKUSHIMA PREF .

(249) Luzon

ISC	**XI**	**17 00 52 13.0–1.1**	**12.05N–.02**	**124.07E–.02**	**11–7**	**3.8b,3.2s**	**111**	**1-87**
IDC	XI	17 00 52 11.0–.79	12.08N	124.09E	0	3.8b,3.8		**¶621494186**
MAN	XI	17 00 52 13.2	12.02N	123.98E	5	5.0b,4.0s		

ISC Event type se.

IDC Error ellipse: s-maj=33.0km s-min=17.7km az=80.0.

MAN Event type fe. INTENSITY IV - CATAINGAN AND PIO V. CORPUZ MASBATE; . INTENSITY III - PALANAS AND PLACER MASBATE; TAGAPUL-AN SAMAR; . INTENSITY II - ALMAGRO SAMAR; . INTENSITY I - BULUSAN SORSOGON.

(228) Near east coast of eastern Honshu

ISC	**XI**	**17 06 24 36.8–2.0**	**37.06N–.04**	**141.32E–.07**	**8–11**	**4.0b**	**77**	**0-147**
NIED	XI	17 06 24 39.1	37.17N	141.18E	19	4.0W		**¶621494191**
JMA	XI	17 06 24 39.1–.05	37.2N–.20	141.2E–.20	19–0	4.4,4.3		
NEIC	XI	17 06 24 41.2–1.7	36.92N–.07	141.41E–.09	39–5	4.5b,4.3		
IDC	XI	17 06 24 42.8–2.4	36.86N	141.34E	62–21	3.9,3.6b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-6.59 $M_{\theta\theta}$3.78 $M_{\phi\phi}$2.81 $M_{r\theta}$4.06 $M_{\theta\phi}$4.08 $M_{\phi r}$5.60 NP1:ϕ_s59.00000°,δ24.00000°,λ-72.00000°. NP2:ϕ_s219.00000°,δ68.00000°,λ-98.00000°. M_o9.85000×10^{14}

JMA Event type fe. E OFF FUKUSHIMA PREF .

NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.4km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=19.5km s-min=11.7km az=67.0.

(716) Kyrgyzstan

ISC	**XI**	**17 11 17 16.8–.77**	**41.14N–.02**	**73.04E–.01**	**15–5**	**4.2b,3.4s**	**344**	**0-86**
IDC	XI	17 11 17 13.8–.75	41.05N	73.14E	0	3.9,3.8L		**¶621413695**
ISU	XI	17 11 17 15	41.14N	72.99E	5	3.9,3.8L		
MOS	XI	17 11 17 15.8–1.3	41.11N	72.99E	13	4.5b,3.8L		
NNC	XI	17 11 17 16.6–.90	41.12N	73.04E	0	5.2b,4.9		
SOME	XI	17 11 17 16.7	41.20N	73.03E	5	3.9s,4.9		
KRNET	XI	17 11 17 16.2–.10	41.12N	73.03E	24	5.1b,4.9		
NEIC	XI	17 11 17 17.7–1.2	41.12N–.05	72.95E–.04	10–2	4.3b,4.9		
GFZ	XI	17 11 17 18.3–.29	41N–4.0	73E–3.0	10	5.1b,4.8		
KNET	XI	17 11 17 20.0–.69	41.23N	73.24E	21–3	4.4L,4.8		

ISC Event type se.

IDC Error ellipse: s-maj=11.7km s-min=10.5km az=144.0.

MOS Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=70.3. Felt (II-III) at Andizhan. Moment Tensor Solution.

NNC Event type se. Error ellipse: s-maj=7.9km s-min=4.1km az=174.0.

NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.8km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=9.0km s-min=5.5km az=138.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

KNET Error ellipse: s-maj=7.5km s-min=4.3km az=100.0.

(238) Ryukyu Islands

ISC	**XI**	**19 04 11 22.5–.59**	**26.37N–.04**	**128.67E–.04**	**21–3**	**3.9b,3.0s**	**69**	**1-79**
NEIC	XI	19 04 11 22.1–1.8	26.28N–.05	128.56E–.07	18–5	4.3b,3.0s		**¶621590265**
NIED	XI	19 04 11 24.2	26.42N	128.62E	28	3.8W,3.0s		
JMA	XI	19 04 11 24.2–.19	26.4N–.60	128.6E–.80	28–2	3.7,3.0s		
IDC	XI	19 04 11 25.0–4.4	26.48N	128.64E	34–34	3.8L,3.8		

ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.1km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.36 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-1.30 $M_{r\theta}$2.62 $M_{\theta\phi}$4.80 $M_{\phi r}$0.31 NP1:ϕ_s1.00000°,δ60.00000°,λ167.00000°. NP2:ϕ_s97.00000°,δ79.00000°,λ31.00000°. M_o5.62000×10^{14}

JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

IDC Error ellipse: s-maj=33.4km s-min=18.4km az=59.0.

(250) Mindoro

ISC	**XI**	**19 09 54 28.7–.81**	**13.47N–.03**	**120.14E–.04**	**50–9**	**4.2b,3.4s**	**111**	**0-94**
MAN	XI	19 09 54 25.4	13.50N	120.10E	18	5.0b,4.0s		**¶621590277**
NEIC	XI	19 09 54 29.3–.76	13.53N–.08	120.4E–.10	58–11	4.4b,4.0s		
IDC	XI	19 09 54 29.7–1.8	13.49N	120.32E	63–17	4.0,3.7b		

ISC Event type se.

MAN Event type fe. INTENSITY II - LOOC AND LUBANG OCCIDENTAL MINDORO.

NEIC Event type se. Error ellipse: s-maj=16.5km s-min=11.7km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=28.0km s-min=14.9km az=70.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**19 20 06 57.1–2.0**	**38.17N–.04**	**142.27E–.06**	**7–11**	**4.2b**	**75**	**1-146**
IDC	XI	19 20 06 57.2–.84	38.14N	142.25E	0	3.8b,3.8		**¶621590312**
NEIC	XI	19 20 07 00.3–2.0	38.22N–.06	142.3E–.10	24–1	4.3b,3.8		
JMA	XI	19 20 07 00.9–.06	38.2N–.20	142.1E–.20	33–0	4.0,4.0		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. E OFF MIYAGI PREF .

(248) Philippine Islands region

ISC	**XI**	**19 20 08 24.5–.35**	**6.73N–.03**	**127.08E–.04**	**51–3**	**5.0b,4.8s**	**870**	**1-175**
GFZ	XI	19 20 08 20.8	6.91N	127.17E	28	5.2W,4.8s		**¶621423310**
GFZ	XI	19 20 08 21.0–.17	7N–2.0	127E–3.0	10	5.5b,5.4L		
MAN	XI	19 20 08 21.8	6.83N	127.11E	8	5.7b,5.1s		
BJI	XI	19 20 08 22.5	6.63N	126.98E	56	5.2b,5.1s		
NEIC	XI	19 20 08 22.0–1.4	6.81N–.06	127.01E–.06	27–4	5.2b,5.1s		
MOS	XI	19 20 08 22.1–.92	6.75N	126.94E	45	5.1b,5.1s		
GCMT	XI	19 20 08 25.8–.20	6.68N–.01	127.15E–.01	28–0	5.4W,5.1s		
DJA	XI	19 20 08 25.4–.60	7N–5.0	127E–2.0	45–4	5.5b,5.4		
NEIC	XI	19 20 08 25.6	6.80N	126.97E	61	5.5b,5.4		
IDC	XI	19 20 08 27.3–1.6	6.76N	126.83E	74–14	4.7s,4.6		
NEIC	XI	19 20 08 28	6.80N	127.57E	36	5.3,4.6		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}7.21 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-7.48 $M_{r\theta}$1.36 $M_{\theta\phi}$0.08 $M_{\phi r}$4.49 NP1: ϕ_s169.89208°,δ30.01774°,λ73.53181°. NP2:ϕ_s8.74207°,δ61.33120°,λ99.30166°. Principal axes: T 8.6783,Plg72.0814°,Azm300.5489°; N 0.0778,Plg8.1530°,Azm184.2492° ; P -8.7561,Plg15.8447°,Azm91.9189° M_o8.71744×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

MAN Event type fe. INTENSITY II - BAGANGA CARAGA MANAY AND TARRAGONA DAVAO ORIENTAL; . INTENSITY I - CITY OF DIGOS DAVAO DEL SUR.

NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.8km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MOS Error ellipse: s-maj=9.4km s-min=4.9km az=115.2.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111192008A. Moment Tensor Solution. s96,c140; s129,c232;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.16±.04 $M_{\theta\theta}$0.11±.02; $M_{\phi\phi}$-1.27±.03; $M_{r\theta}$0.18±.04; $M_{\theta\phi}$-0.22±.02; $M_{\phi r}$0.78±.04; Best double couple: NP1: ϕ_s186.00000°,δ29.00000°,λ85.00000°. NP2:ϕ_s11.00000°,δ61.00000°,λ93.00000°. Principal axes: T 1.3960,Plg73.0000°,Azm288.0000°; N 0.1380,Plg2.0000°,Azm190.0000° ; P -1.5370,Plg16.0000°,Azm99.0000° M_o1.46600×10^{17}

NEIC Event type se.

IDC Error ellipse: s-maj=15.6km s-min=8.3km az=81.0.

NEIC Event type se. Moment Tensor Solution.Duration: 1$\hat{s}$8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.26 $M_{\theta\phi}$0.00 $M_{\phi r}$0.50 NP1:ϕ_s193.06000°,δ32.53000°,λ112.93000°. NP2:ϕ_s346.42000°,δ60.31000°,λ76.05000°. Principal axes: T 1.1244,Plg71.0000°,Azm225.0000°; N -0.0170,Plg12.0000°,Azm353.0000° ; P -1.1074,Plg14.0000°,Azm87.0000° M_o1.12000×10^{17}

(248) Philippine Islands region

ISC	**XI**	**19 20 13 52.5–.23**	**6.75N–.02**	**126.98E–.03**	**56–1**	**5.4b,4.9s**	**1425**	**1-176**
MAN	XI	19 20 13 48.9	6.86N	127.11E	10	6.1b,5.7s		**¶621423307**
BJI	XI	19 20 13 49.8	6.65N	126.97E	59	5.3b,5.1s		
MOS	XI	19 20 13 50.0–.92	6.77N	126.85E	46	5.7b,5.0s		
NEIC	XI	19 20 13 51.2–1.8	6.80N–.06	127.01E–.06	40–4	5.4b,5.0s		
NEIC	XI	19 20 13 52.7	6.98N	127.37E	30	5.4,5.0s		
GFZ	XI	19 20 13 52.0	6.79N	126.95E	27	5.3W,5.0s		
NEIC	XI	19 20 13 52.5	6.78N	126.96E	53	5.3W,5.0s		
IDC	XI	19 20 13 53.6–1.0	6.80N	127.03E	64–8	5.2,4.9b		
DJA	XI	19 20 13 54.9–.30	7N–2.0	127E–1.0	63–2	5.8b,5.7		
GFZ	XI	19 20 13 54.9–.10	7N–2.0	127E–2.0	69	5.9,5.8		
GCMT	XI	19 20 13 54.4–.10	6.71N–.01	127.11E–.01	27–0	5.5W,5.8		

ISC Event type se.

MAN Event type fe. INTENSITY II - BAGANGA CARAGA MANAY AND TARRAGONA DAVAO ORIENTAL; . INTENSITY I - CITY OF DIGOS DAVAO DEL SUR.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.20 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.83 NP1:ϕ_s191.16000°,δ27.21000°,λ90.96000°. NP2:ϕ_s10.08000°,δ62.80000°,λ89.51000°. Principal axes: T 1.4641,Plg72.0000°,Azm279.0000°; N -0.0476,Plg0.0000°,Azm10.0000° ; P -1.4165,Plg18.0000°,Azm100.0000° M_o1.44000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-1.10 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.54 NP1: ϕ_s183.84940°,δ31.61602°,λ74.85103°. NP2:ϕ_s21.48611°,δ59.60177°,λ99.13897°. Principal axes: T 1.2706,Plg73.7315°,Azm315.1209°; N 0.0402,Plg7.8740°,Azm196.8324° ; P -1.3109,Plg14.1439°,Azm104.8352° M_o1.29121×10^{17}

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111192013A. Moment Tensor Solution. s96,c145; s137,c256;Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.04 $M_{\theta\theta}$0.10±.03; $M_{\phi\phi}$-1.66±.03; $M_{r\theta}$0.39±.04; $M_{\theta\phi}$-0.37±.02; $M_{\phi r}$1.14±.05; Best double couple: NP1: ϕ_s186.00000°,δ27.00000°,λ81.00000°. NP2:ϕ_s16.00000°,δ63.00000°,λ95.00000°. Principal axes: T 1.9600,Plg71.0000°,Azm297.0000°; N 0.1640,Plg4.0000°,Azm194.0000° ; P -2.1230,Plg18.0000°,Azm103.0000° M_o2.04200×10^{17}

(230) Near south coast of eastern Honshu

ISC	**XI**	**19 23 57 22.3–.43**	**35.75N–.03**	**139.54E–.04**	**101–3**	**4.6b**	**375**	**0-149**
MOS	XI	19 23 57 21.1–1.1	35.69N	139.56E	107	4.7b		**¶621423322**
BJI	XI	19 23 57 22.0	35.80N	139.50E	100	5.1b,4.7b		
GFZ	XI	19 23 57 22.2–.36	36N–3.0	140E–4.0	104–3	5.6b,5.1		
IDC	XI	19 23 57 23.0–.36	35.65N	139.32E	103–3	4.5,4.2b		
NEIC	XI	19 23 57 23.5–1.7	35.80N–.05	139.52E–.05	109–5	4.6b,4.2b		
JMA	XI	19 23 57 23.3–.14	35.7N–.50	139.5E–.60	99–1	4.6,4.5W		

NIED XI 19 23 57 23.3 35.73N 139.53E 99 4.5W,4.5W
ISC Event type ke.
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=118.4.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=9.7km s-min=4.8km az=53.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.7km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. TOKYO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.78 $M_{\theta\theta}$4.35 $M_{\phi\phi}$-3.57 $M_{r\theta}$-3.25 $M_{\theta\phi}$-4.93 $M_{\phi r}$-0.56 NP1:ϕ_s341.00000°,δ63.00000°,λ-1.00000°. NP2:ϕ_s72.00000°,δ89.00000°,λ-153.00000°. $M_0$7.11000×10^{15}

(337) Eastern Caucasus

ISC	**XI**	**20 12 46 08.8–.41**	**40.66N–.02**	**48.58E–.02**	**32–2**	**4.9b,3.9s**	**918**	**0-135**
GFZ	XI	20 12 45 59.5–.88	41N–7.0	50E–8.0	10	5.4b,5.4L		**¶621427720**
MOS	XI	20 12 46 04.1–1.5	40.59N	48.80E	9	5.1b,5.4L		
IDC	XI	20 12 46 04.4–.55	40.70N	48.65E	0	4.5L,4.5b		
THR	XI	20 12 46 05.7–.00	40.65N	48.80E	12–562	4.9L,4.5b		
NEIC	XI	20 12 46 06.1–1.3	40.73N–.07	48.71E–.09	10–1	5.1b,5.0		
BJI	XI	20 12 46 07.8	40.88N	48.45E	41	5.0b,4.7b		
TIF	XI	20 12 46 08.1	40.63N	48.80E	79–2	5.0b,4.7b		
NNC	XI	20 12 46 09.2–2.3	41.26N	48.99E	0	5.0b,4.7b		
AZER	XI	20 12 46 10.5	40.65N	48.52E	41	5.1L,4.7b		
TEH	XI	20 12 46 11.1	40.66N	48.52E	40	5.0L,4.7b		
DAGSR	XI	20 12 46 11.4	40.85N	48.61E	18	5.0L,4.7b		
GCMT	XI	20 12 46 13.1–.20	40.75N–.02	48.63E–.02	37–1	5.0W,4.7b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Event type fe. Felt (III-IV) at Shamakhi; (III) at Baku; (II-III) at Stepanakert. Moment Tensor Solution.
THR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se.
TEH Event type se. Presumed earthquake.
DAGSR Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111201246A. Moment Tensor Solution. s24,c30; s93,c136; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01±.21 $M_{\theta\theta}$3.16±.14; $M_{\phi\phi}$-3.15±.13; $M_{r\theta}$1.18±.17; $M_{\theta\phi}$-1.72±.10; $M_{\phi r}$-0.33±.14; Best double couple: NP1:ϕ_s58.00000°,δ78.00000°,λ168.00000°. NP2:ϕ_s151.00000°,δ78.00000°,λ13.00000°. Principal axes: T 3.9750,Plg17.0000°,Azm14.0000°; N -0.3900,Plg73.0000°,Azm193.0000° ; P -3.5890,Plg1.0000°,Azm284.0000° $M_0$3.78200×10^{16}

(259) Mindanao

ISC	**XI**	**20 22 42 58.9–.29**	**6.67N–.03**	**126.66E–.03**	**103–2**	**5.0b**	**1018**	**0-163**
MAN	XI	20 22 42 55.3	6.58N	126.86E	83	5.6b,5.0s		**¶621427824**
BJI	XI	20 22 42 57.8	6.70N	126.60E	100	4.9b,4.9b		
IDC	XI	20 22 42 58.2–.86	6.71N	126.79E	98–7	4.9,4.5b		
GCMT	XI	20 22 42 58.6–.20	6.54N–.02	126.62E–.02	72–1	4.9W,4.5b		
DJA	XI	20 22 42 58.7–.30	7N–2.0	127E–2.0	93–2	5.5b,5.5		
NEIC	XI	20 22 42 58.5–1.4	6.70N–.07	126.70E–.06	95–3	5.0b,5.5		
GFZ	XI	20 22 42 58.4–.32	7N–2.0	127E–3.0	94–2	5.5,5.4b		

ISC Event type se.
MAN Event type fe. INTENSITY III - TARRAGONA DAVAO ORIENTAL; . INTENSITY II - CITY OF DIGOS DAVAO DEL SUR; . INTENSITY I - GOVERNOR GENEROSO DAVAO ORIENTAL.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111202242A. Moment Tensor Solution. s54,c64; s102,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.05±.09 $M_{\theta\theta}$-0.37±.08; $M_{\phi\phi}$2.42±.09; $M_{r\theta}$0.34±.05; $M_{\theta\phi}$0.99±.08; $M_{\phi r}$-1.37±.06; Best double couple: NP1:ϕ_s219.00000°,δ36.00000°,λ-55.00000°. NP2:ϕ_s359.00000°,δ61.00000°,λ-112.00000°. Principal axes: T 3.0300,Plg14.0000°,Azm105.0000°; N -0.4300,Plg19.0000°,Azm10.0000° ; P -2.6040,Plg66.0000°,Azm228.0000° $M_0$2.81700×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(254) Panay

ISC	**XI**	**22 12 49 48.1–.94**	**11.34N–.02**	**122.18E–.02**	**23–7**	**4.3b,3.1s**	**163**	**0-149**
IDC	XI	22 12 49 44.1–.78	11.32N	122.38E	0	4.0b,4.0		**¶621611911**
NEIC	XI	22 12 49 46.4–1.1	11.25N–.03	122.3E–.10	10–1	4.4b,4.0		
MAN	XI	22 12 49 47.5	11.35N	122.17E	15	5.1b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=16.7km az=66.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=4.5km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - PANDAN SEBASTE AND TIBIAO ANTIQUE; LIBACAO MADALAG AND NEW WASHINGTON AKLAN; . INTENSITY II - NABAS BANGA TANGALAN MAKATO AND MALINAO AKLAN; . INTENSITY I - LEZO AKLAN.

(246) Southwestern Ryukyu Islands

ISC	**XI**	**22 14 26 45.8–.64**	**24.27N–.04**	**123.40E–.03**	**48–5**	**4.5b,3.5s**	**255**	**0-110**
GFZ	XI	22 14 26 44.9–.70	24N–4.0	123E–5.0	35–5	5.6b,5.1		**¶621440147**
BJI	XI	22 14 26 44.6	24.36N	123.42E	40	4.8b,4.3b		
NIED	XI	22 14 26 45.7	24.28N	123.44E	45	4.5W,4.3b		
NEIC	XI	22 14 26 45.7–1.3	24.27N–.06	123.41E–.06	43–5	4.6b,4.3b		
JMA	XI	22 14 26 45.7–.08	24.3N–.30	123.4E–.10	45–0	4.5,4.1		
IDC	XI	22 14 26 46.6–2.5	24.30N	123.28E	62–22	4.3,4.0b		

ISC Event type ke.
GFZ Error ellipse: s-maj=9.8km s-min=7.4km az=74.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.81 $M_{\theta\theta}$-7.49 $M_{\phi\phi}$1.69 $M_{r\theta}$-2.42 $M_{\theta\phi}$1.20 $M_{\phi r}$-0.77 NP1:ϕ_s111.00000°,δ37.00000°,λ111.00000°. NP2:ϕ_s265.00000°,δ56.00000°,λ75.00000°. $M_0$7.23000×10^{15}
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.9km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR ISHIGAKIJIMA ISLAND.
IDC Error ellipse: s-maj=15.5km s-min=11.5km az=59.0.

(224) Hokkaido region

ISC	**XI**	**22 19 09 59.2–.65**	**42.26N–.05**	**143.06E–.05**	**61–6**	**4.1b**	**102**	**0-76**
MOS	XI	22 19 09 58.6–1.0	42.20N	143.07E	49	4.4b		**¶621611923**
NEIC	XI	22 19 09 59.7–.86	42.23N–.06	143.2E–.10	66–5	4.3b		
JMA	XI	22 19 10 00.7–.15	42.3N–.50	143.1E–.60	50–1	3.7		
IDC	XI	22 19 10 01.2–2.8	42.30N	143.15E	76–18	3.9,3.6b		
SKHL	XI	22 19 10 01.2–.60	42.30N	143.10E	51–4	4.8b,3.6b		

ISC Event type ke.
MOS Error ellipse: s-maj=10.9km s-min=7.8km az=71.6.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.7km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
IDC Error ellipse: s-maj=37.2km s-min=22.0km az=132.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**22 23 52 01.0–.86**	**34.98N–.03**	**140.16E–.03**	**33–2**	**3.8b**	**32**	**0-70**
NIED	XI	22 23 52 00.9	35.02N	140.20E	33	3.7W		**¶621611931**
JMA	XI	22 23 52 00.9–.11	35.0N–.30	140.2E–.40	33–1	4.3,3.5		
IDC	XI	22 23 52 02.4–2.3	34.91N	140.06E	44–21	3.8,3.6b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.90 $M_{\theta\theta}$0.29 $M_{\phi\phi}$2.61 $M_{r\theta}$1.61 $M_{\theta\phi}$1.69 $M_{\phi r}$0.86 NP1:ϕ_s9.00000°,δ35.00000°,λ-121.00000°. NP2:ϕ_s225.00000°,δ60.00000°,λ-70.00000°. $M_0$3.71000×10^{14}
JMA Event type fe. SE OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=36.7km s-min=11.7km az=79.0.

(259) Mindanao

ISC	**XI**	**23 08 09 43.3–.42**	**9.07N–.03**	**126.47E–.04**	**64–3**	**4.8b**	**412**	**0-164**
BJI	XI	23 08 09 37.9	8.53N	126.60E	58	4.8b,4.7b		**¶621448785**
DJA	XI	23 08 09 38.2–.70	9N–6.0	127E–5.0	10	5.5,5.3b		
MAN	XI	23 08 09 40.8	8.99N	126.47E	22	5.3b,4.5s		
GFZ	XI	23 08 09 42.0–1.1	9N–6.0	127E–7.0	54–9	5.2b,5.1L		
IDC	XI	23 08 09 42.6–2.1	9.03N	126.40E	60–19	4.7,4.4b		
NEIC	XI	23 08 09 42.9–1.4	9.04N–.08	126.43E–.09	57–4	4.9b,4.4b		

ISC Event type se.
MAN Event type fe. INTENSITY III - BAYABAS CAGWAIT MARIHATAG SAN MIGUEL AND TAGO SURIGAO DEL SUR; . INTENSITY II - LANUZA CORTES AND HINATUAN SURIGAO DEL SUR; . INTENSITY I - CITY OF BISLIG SURIGAO DEL SUR.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**XI**	**23 09 48 42.3–.33**	**38.87N–.04**	**142.35E–.04**	**55–2**	**4.8b,3.5s**	**450**	**1-155**
MOS	XI	23 09 48 40.3–1.1	38.87N	142.33E	50	4.9b,3.5s		**¶621449125**
NEIC	XI	23 09 48 42.4–.90	38.90N–.06	142.22E–.08	51–5	4.8b,3.5s		
NIED	XI	23 09 48 42.1	38.91N	142.27E	47	4.5W,3.5s		
IDC	XI	23 09 48 42.6–.63	38.85N	142.27E	55–5	4.5,4.2b		
BJI	XI	23 09 48 42.0	38.86N	142.25E	67	5.1b,4.7b		
JMA	XI	23 09 48 42.1–.07	38.9N–.20	142.3E–.20	47–0	4.9,4.7		
GFZ	XI	23 09 48 43.9–.18	39N–3.0	142E–4.0	59	5.6b,5.1		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}7.35 $M_{\theta\theta}$-2.03 $M_{\phi\phi}$-5.32 $M_{r\theta}$-1.37 $M_{\theta\phi}$-1.06 $M_{\phi r}$-1.28 NP1:ϕ_s12.00000°,δ38.00000°,λ81.00000°. NP2:ϕ_s203.00000°,δ52.00000°,λ97.00000°. $M_0$6.74000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

(236) Shikoku

ISC	**XI**	**23 11 30 44.4–1.1**	**33.32N–.09**	**134.84E–.05**	**34**	**3.4b**	**21**	**1-57**
IDC	XI	23 11 30 40.3–1.1	33.23N	134.94E	0	3.4b,3.3		**¶621611950**
NIED	XI	23 11 30 44.0	33.31N	134.86E	31	3.6W,3.3		
JMA	XI	23 11 30 44.0–.06	33.3N–.30	134.9E–.20	31–0	3.6,3.3		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.19 $M_{\theta\theta}$2.48 $M_{\phi\phi}$0.70 $M_{r\theta}$1.06 $M_{\theta\phi}$-1.01 $M_{\phi r}$-0.50 NP1:ϕ_s114.00000°,δ35.00000°,λ-90.00000°. NP2:ϕ_s295.00000°,δ55.00000°,λ-90.00000°. $M_0$3.28000×10^{14}
JMA Event type fe. SE OFF SHIKOKU .

(715) Tajikistan

ISC	**XI**	**24 02 34 16.9–.48**	**38.74N–.05**	**69.72E–.04**	**12**	**4.3b,3.0s**	**176**	**2-86**
IDC	XI	24 02 34 14.4–.88	38.53N	69.77E	0	4.0b,4.0		**¶621452738**
MOS	XI	24 02 34 15.2–1.0	38.73N	69.71E	9	4.5b,4.0		
NEIC	XI	24 02 34 17.0–1.7	38.73N–.04	69.69E–.09	10–1	4.4b,4.0		
NNC	XI	24 02 34 20.2–2.8	38.97N	69.26E	11–12	4.7b,4.6		

ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=11.1km az=154.0.
MOS Event type fe. Error ellipse: s-maj=6.4km s-min=4.6km az=85.3. Felt (II-III) at Rogun. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.9km az=279.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=20.6km s-min=15.5km az=6.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**24 08 06 33.7–.33**	**39.33N–.03**	**142.07E–.04**	**47–2**	**4.9b,3.8s**	**523**	**0-145**
BJI	XI	24 08 06 31.0	39.24N	142.25E	49	5.2b,5.0b		**¶621452759**
MOS	XI	24 08 06 33.0–.91	39.40N	142.01E	52	5.0b,5.0b		
JMA	XI	24 08 06 34.0–.07	39.3N–.20	142.1E–.30	48–0	4.7,4.6W		
NIED	XI	24 08 06 34.0	39.33N	142.09E	48	4.6W,4.6W		
IDC	XI	24 08 06 35.6–1.8	39.33N	141.91E	64–15	4.6,4.3b		
GFZ	XI	24 08 06 36.0–.30	39N–4.0	142E–5.0	54–2	5.7,5.6b		
NEIC	XI	24 08 06 36.2–1.4	39.42N–.06	141.9E–.10	60–5	4.8b,5.6b		

ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.48 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-4.73 $M_{r\theta}$2.58 $M_{\theta\phi}$-1.68 $M_{\phi r}$5.17 NP1:ϕ_s196.00000°,δ22.00000°,λ82.00000°. NP2:ϕ_s25.00000°,δ68.00000°,λ93.00000°. $M_0$7.92000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(243) Taiwan region

ISC	**XI**	**24 09 55 18.7–.47**	**23.99N–.02**	**122.45E–.02**	**32–3**	**5.0b,4.4s**	**848**	**0-167**
BKK	XI	24 09 55 12.5–3.1	24N–25	123E–16	34–39	5.1,4.8L		**¶621453086**
BJI	XI	24 09 55 15.9	24.07N	122.45E	14	5.2b,5.0L		
NIED	XI	24 09 55 17.8	23.94N	122.44E	22	5.1W,5.0L		
JMA	XI	24 09 55 17.8–.23	24N–1.0	122.4E–.50	22–4	5.2,5.0W		
NEIC	XI	24 09 55 18.6–1.5	24.01N–.05	122.45E–.05	26–4	5.1b,4.9		
NEIC	XI	24 09 55 18.4	24.02N	122.44E	24	5.1b,4.9		
TAP	XI	24 09 55 19.0	24.06N	122.41E	27–0	5.3L,4.9		
GCMT	XI	24 09 55 19.2–.20	23.86N–.01	122.38E–.01	38–0	5.0W,4.9		
GFZ	XI	24 09 55 19.1–.55	24N–3.0	122E–2.0	27–3	5.6b,5.1b		
IDC	XI	24 09 55 20.5–1.3	24.14N	122.58E	48–12	4.6,4.4b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.01 $M_{\theta\theta}$-2.87 $M_{\phi\phi}$1.86 $M_{r\theta}$3.14 $M_{\theta\phi}$0.13 $M_{\phi r}$1.97 NP1:ϕ_s313.00000°,δ30.00000°,λ164.00000°. NP2:ϕ_s57.00000°,δ82.00000°,λ61.00000°. $M_0$4.46000×10^{16}
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.0km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.69 $M_{\theta\theta}$-1.69 $M_{\phi\phi}$1.00 $M_{r\theta}$2.15 $M_{\theta\phi}$1.32 $M_{\phi r}$1.12 NP1:ϕ_s331.01000°,δ38.14000°,λ166.75000°. NP2:ϕ_s71.50000°,δ81.86000°,λ52.61000°. Principal axes: T 3.2067,Plg41.0000°,Azm307.0000°; N -0.1543,Plg37.0000°,Azm78.0000°; P -3.0524,Plg27.0000°,Azm190.0000° $M_0$3.13000×10^{16}
NEIC Event type se.
TAP C.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240955A. Moment Tensor Solution. s70,c92; s101,c160; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.60±.13 $M_{\theta\theta}$-3.51±.08; $M_{\phi\phi}$0.90±.09; $M_{r\theta}$2.33±.10; $M_{\theta\phi}$0.04±.07; $M_{\phi r}$1.33±.10; Best double couple: NP1:ϕ_s295.00000°,δ31.00000°,λ132.00000°. NP2:ϕ_s69.00000°,δ67.00000°,λ68.00000°. Principal axes: T 3.9270,Plg61.0000°,Azm305.0000°; N 0.3910,Plg20.0000°,Azm78.0000° ; P -4.3260,Plg19.0000°,Azm175.0000° $M_0$4.12700×10^{16}
GFZ Error ellipse: s-maj=5.7km s-min=5.0km az=174.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=13.7km s-min=10.3km az=72.0.

(224) Hokkaido region

ISC	**XI**	**26 08 37 11.2–1.3**	**42.45N–.05**	**144.92E–.04**	**29–9**	**4.1b**	**117**	**1-85**
MOS	XI	26 08 37 10.5–1.0	42.35N	145.02E	15	4.5b		**¶621470354**
SKHL	XI	26 08 37 11.8–.70	42.40N	145.00E	50–5	5.0b		
NIED	XI	26 08 37 12.3	42.50N	144.92E	30	4.0W		
JMA	XI	26 08 37 12.3–.06	42.5N–.20	144.9E–.40	30–1	4.0,4.0		
NEIC	XI	26 08 37 13.8–1.3	42.43N–.08	144.8E–.10	53–5	4.3b,4.0		
IDC	XI	26 08 37 14.2–2.2	42.36N	144.88E	63–17	4.0,3.7b		

ISC Event type ke.
MOS Error ellipse: s-maj=9.5km s-min=6.6km az=93.5.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.04 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.59 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.62 $M_{\phi r}$0.53 NP1:ϕ_s237.00000°,δ36.00000°,λ115.00000°. NP2:ϕ_s27.00000°,δ58.00000°,λ73.00000°. $M_0$1.22000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.3km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.3km s-min=12.9km az=94.0.

(248) Philippine Islands region

ISC	**XI**	**26 23 14 08.8–1.3**	**10.14N–.02**	**126.45E–.05**	**23–9**	**4.2b,3.2s**	**151**	**0-146**
IDC	XI	26 23 14 05.6–.65	10.24N	126.47E	0	4.0b,4.0		**¶621622034**
MAN	XI	26 23 14 08.0	10.16N	126.41E	4	5.0b,4.0s		
NEIC	XI	26 23 14 12.3–1.4	10.19N–.07	126.35E–.08	46–6	4.4b,4.0s		

ISC Event type se.
MAN Event type fe. INTENSITY I - BURGOS SURIGAO DEL NORTE.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(263) Talaud Islands

ISC	**XI**	**27 06 01 53.0–.25**	**4.71N–.02**	**126.31E–.03**	**86–2**	**5.4b**	**1328**	**1-178**
BJI	XI	27 06 01 50.1	4.37N	126.26E	96	5.2b,5.1b		**¶621480045**
MOS	XI	27 06 01 50.0–1.1	4.76N	126.19E	79	5.4b,5.1b		
MAN	XI	27 06 01 51.5	4.61N	126.39E	83	5.8b,5.3s		
NEIC	XI	27 06 01 53.6	4.73N	126.39E	70	5.2,5.3s		
GFZ	XI	27 06 01 53.6	4.75N	126.27E	88	5.3W,5.3s		
NEIC	XI	27 06 01 53.4–1.8	4.69N–.05	126.27E–.07	80–6	5.5b,5.3s		
NEIC	XI	27 06 01 53.2	4.73N	126.29E	76	5.5b,5.3s		
IDC	XI	27 06 01 53.2–.98	4.70N	126.11E	84–7	5.0,4.7b		
DJA	XI	27 06 01 54.3–.20	5N–2.0	126E–1.0	95–2	6.2,5.9b		
GCMT	XI	27 06 01 54.4–.10	4.68N–.01	126.35E–.01	84–1	5.3W,5.9b		
GFZ	XI	27 06 01 54.7–.33	5N–2.0	126E–3.0	95–4	6.0L,5.9b		

ISC Event type se.

MAN Event type fe. INTENSITY III - SARANGANI ISLAND (MUNICIPALITY OF SARANGANI) DAVAO OCCIDENTAL; . INTENSITY II - BALUT ISLAND (MUNICIPALITY OF SARANGANI) DAVAO OCCIDENTAL; KIAMBA AND MALUNGON SARANGANI; . INTENSITY I - LAKE SEBU SOUTH COTABATO.

NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.59 $M_{\theta\theta}$5.22 $M_{\phi\phi}$-6.81 $M_{r\theta}$-3.04 $M_{\theta\phi}$5.96 $M_{\phi r}$-1.98 NP1:ϕ_D295.36000°,δ69.90000° ,λ15.42000°. NP2:ϕ_S199.94000°,δ75.54000°,λ159.21000°. Principal axes: T 9.3219,Plg25.0000°,Azm157.0000°; N -0.0161,Plg65.0000°,Azm347.0000° ; P -9.3058,Plg4.0000°,Azm248.0000° $M_0$9.31000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.50 $M_{\theta\theta}$4.92 $M_{\phi\phi}$-7.42 $M_{r\theta}$-2.99 $M_{\theta\phi}$6.29 $M_{\phi r}$-2.21 NP1: ϕ_D295.48908°,δ67.70467°,λ17.30783°. NP2:ϕ_S198.74681°,δ74.02225°,λ156.75737°. Principal axes: T 9.4527,Plg27.5746°,Azm155.8836°; N 0.6724,Plg62.0486°,Azm346.0901° ; P -10.1252,Plg4.2220°,Azm248.0930° $M_0$9.80628×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111270601A. Moment Tensor Solution. s122,c173; s134,c256;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.23±.01 $M_{\theta\theta}$0.71±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$-0.44±.01; $M_{\theta\phi}$0.78±.02; $M_{\phi r}$-0.31±.01; Best double couple: NP1: ϕ_S296.00000°,δ68.00000°,λ16.00000°. NP2:ϕ_S200.00000°,δ75.00000°,λ157.00000°. Principal axes: T 1.2870,Plg27.0000°,Azm157.0000°; N -0.0260,Plg63.0000°,Azm350.0000° ; P -1.2610,Plg5.0000°,Azm249.0000° $M_0$1.27400×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(228) Near east coast of eastern Honshu

ISC	**XI**	**27 22 04 05.3–1.7**	**37.70N–.05**	**141.8E–.10**	**44–17**	**3.9b**	**31**	**1-58**
IDC	XI	27 22 03 59.5–1.6	37.72N	141.96E	0	3.7,3.6b		**¶621615776**
NIED	XI	27 22 04 06.1	37.73N	141.71E	53	3.7W,3.6b		
JMA	XI	27 22 04 06.1–.04	37.7N–.10	141.7E–.20	53–0	3.9,3.6		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.86 $M_{\theta\phi}$-1.23 $M_{\phi\phi}$-1.63 $M_{r\theta}$-1.42 $M_{\theta\theta}$0.18 $M_{\phi r}$-2.58 NP1:ϕ_S6.00000°,δ19.00000°,λ74.00000°. NP2:ϕ_S203.00000° ,δ72.00000°,λ96.00000°. $M_0$3.65000×10^{14}

JMA Event type fe. E OFF FUKUSHIMA PREF .

(221) Kuril Islands

ISC	**XI**	**28 20 33 21.4–.53**	**43.20N–.05**	**146.53E–.04**	**55–4**	**4.5b,3.3s**	**248**	**1-93**
MOS	XI	28 20 33 19.3–1.1	43.21N	146.54E	54	4.8b,3.3s		**¶621480978**
NIED	XI	28 20 33 20.8	43.19N	146.48E	55	4.0W,3.3s		
JMA	XI	28 20 33 20.8–.17	43.2N–.50	146E–1.0	55–1	4.3,3.9		
SKHL	XI	28 20 33 21.0–.30	43.20N	146.60E	65–4	5.4b,3.9		
NEIC	XI	28 20 33 21.4–2.2	43.14N–.07	146.6E–.10	53–7	4.6b,3.9		
IDC	XI	28 20 33 24.0–2.1	43.32N	146.49E	72–17	4.1,3.8b		

ISC Event type ke.

MOS Event type fe. Error ellipse: s-maj=9.7km s-min=6.2km az=108.1. Felt (II-III) at Goryachiy Plyazh, Yuzhno-Kuril'sk. Moment Tensor Solution.

NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.16 $M_{\phi r}$0.52 NP1:ϕ_S243.00000°,δ28.00000°,λ107.00000°. NP2:ϕ_S44.00000° ,δ63.00000°,λ81.00000°. $M_0$1.02000×10^{15}

JMA Event type fe. OFF NEMURO PENINSULA .

NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.5km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=13.5km s-min=12.4km az=124.0.

(235) Kyushu

ISC	**XI**	**28 22 13 56.4–.50**	**31.94N–.03**	**130.83E–.03**	**11**	**4.0b,3.3s**	**60**	**0-87**
IDC	XI	28 22 13 53.3–.76	31.94N	131.24E	0	3.8b,3.7		**¶621480989**
JMA	XI	28 22 13 54.4–.13	31.9N–.10	130.8E–.20	1–1	3.3,3.7		
NEIC	XI	28 22 13 56.7–.74	31.85N–.06	130.79E–.07	10–1	4.5b,3.7		

ISC Event type ke.

JMA Event type fe. EBINO REGION S KYUSHU .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(235) Kyushu

ISC	**XI**	**28 22 27 31.5–1.2**	**31.95N–.03**	**130.82E–.03**	**0–8**	**3.9b,3.1s**	**47**	**0-87**
JMA	XI	28 22 27 30.7–.13	31.9N–.10	130.8E–.20	0–1	3.2,3.1s		**¶635652595**
IDC	XI	28 22 27 31.2–.79	31.97N	130.90E	0	3.9b,3.9		
NEIC	XI	28 22 27 32.9–1.7	31.91N–.05	130.78E–.08	10–1	4.3b,3.9		

ISC Event type ke.

JMA Event type fe. EBINO REGION S KYUSHU .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(235) Kyushu

ISC	**XI**	**28 22 33 01.6–2.2**	**32.0N–.10**	**130.8E–.10**	**11**	**3.5b**	**9**	**0-58**
JMA	XI	28 22 32 59.9–.04	31.9N–.10	130.8E–.20	3–1	3.2		**¶635652601**
IDC	XI	28 22 33 00.1–2.5	32.75N	131.65E	0	3.8b,3.7		

ISC Event type ke.

JMA Event type fe. EBINO REGION S KYUSHU .

IDC Error ellipse: s-maj=46.2km s-min=14.1km az=2.0.

(211) Southeast of Honshu

ISC	**XI**	**29 12 40 45.8–.35**	**31.10N–.02**	**142.42E–.03**	**19–1**	**6.4b,6.4s**	**2485**	**3-169**
BJI	XI	29 12 40 39.7	31.24N	142.73E	10	6.6s,6.5b		**¶621494331**
PTWC	XI	29 12 40 41	31.10N	143.00E	10	6.6,6.5b		
NEIC	XI	29 12 40 43.6	31.19N	142.49E	6	6.6,6.5b		
MOS	XI	29 12 40 43.3–.91	31.14N	142.46E	15	6.6b,6.4s		
ISC-P	XI	29 12 40 44	31.20N	142.50E	21–0	6.5,6.4s		
GFZ	XI	29 12 40 44.7	31.11N	142.49E	13	6.3W,6.4s		
NEIC	XI	29 12 40 44.4–1.5	31.20N–.07	142.50E–.09	11–1	6.4,6.4b		
GFZ	XI	29 12 40 44.7–.10	31N–2.0	142E–2.0	10	6.8b,6.6		
KEA	XI	29 12 40 44.3	31.08N	142.80E	33	6.4s,6.6		
BGR	XI	29 12 40 45.9	31.28N	142.70E	33	6.9,6.4b		
IPGP	XI	29 12 40 45.0	31.20N	142.49E	7	6.5W,6.4b		
NIED	XI	29 12 40 47.1	31.29N	142.38E	90	6.2W,6.4b		
JMA	XI	29 12 40 47.1–.44	31N–2.0	142E–2.0	90	6.4,6.3W		
IDC	XI	29 12 40 48.9–1.1	31.11N	142.35E	40–8	6.3,6.2s		
NEIC	XI	29 12 40 50.8	31.09N	142.60E	26	6.3,6.2s		
GCMT	XI	29 12 40 50.5–.00	31.14N	142.44E	13–0	6.3W,6.2s		

ISC Event type ke.

PTWC IZU ISLANDS, JAPAN REGION.

NEIC Event type se.

MOS Error ellipse: s-maj=6.4km s-min=3.4km az=111.5.

ISC-P Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.53±.15 $M_{\theta\theta}$0.00±.19; $M_{\phi\phi}$0.70±.20; $M_{r\theta}$-0.29±.14; $M_{\theta\phi}$0.10±.25; $M_{\phi r}$-0.14±.11; NP1:ϕ_S9.90000°,δ42.00000° ,λ303.90000°. NP2:ϕ_S147.70000°,δ56.20000°,λ-116.70000°. $M_0$6.53000×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-3.39 $M_{\theta\theta}$0.24 $M_{\phi\phi}$3.15 $M_{r\theta}$0.18 $M_{\theta\phi}$-1.12 $M_{\phi r}$-0.25 NP1: ϕ_S162.70878°,δ42.54962°,λ-87.73911°. NP2:ϕ_S339.64114°,δ47.49131°,λ-92.07389°. Principal axes: T 3.5418,Plg2.4717°,Azm71.1088°; N -0.1374,Plg1.5287°,Azm341.0428° ; P -3.4043,Plg87.0933°,Azm219.3358° $M_0$3.47509×10^{18}

NEIC Event type se. Error ellipse: s-maj=12.8km s-min=11.6km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=3.9km s-min=3.3km az=82.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

BGR Event type ke.

IPGP Moment Tensor Solution. NP1:ϕ_S347.00000°,δ40.00000°,λ-73.00000°. NP2:ϕ_S145.00000° ,δ52.00000°,λ-104.00000°.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.91 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$2.07 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.65 $M_{\phi r}$-0.58 NP1:ϕ_S157.00000°,δ38.00000°,λ-102.00000°. NP2:ϕ_S352.00000° ,δ53.00000°,λ-81.00000°. $M_0$2.16000×10^{18}

JMA Event type fe. NEAR TORISHIMA IS .

IDC Error ellipse: s-maj=8.9km s-min=6.5km az=51.0.

NEIC Event type se. Moment Tensor Solution.Duration: 6s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.74 $M_{\theta\theta}$0.70 $M_{\phi\phi}$3.04 $M_{r\theta}$0.12 $M_{\theta\phi}$-1.09 $M_{\phi r}$-0.94 NP1:ϕ_S155.40000°,δ37.94000° ,λ-95.06000°. NP2:ϕ_S341.80000°,δ52.23000°,λ-86.07000°. Principal axes: T 3.5853,Plg7.0000°,Azm69.0000°; N 0.2856,Plg3.0000°,Azm159.0000° ; P -3.8709,Plg82.0000°,Azm273.0000° $M_0$3.74000×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111291240A. Moment Tensor Solution. s163,c392; s170,c721;Duration: 3s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.76±.02 $M_{\theta\theta}$0.15±.01; $M_{\phi\phi}$3.61±.01; $M_{r\theta}$-0.16±.03; $M_{\theta\phi}$-1.65±.01; $M_{\phi r}$1.09±.04; Best double couple: NP1:ϕ_S334.00000°,δ38.00000°,λ-97.00000°. NP2:ϕ_S162.00000°,δ53.00000°,λ-85.00000°. Principal axes: T 4.4120,Plg7.0000°,Azm249.0000°; N -0.4890,Plg4.0000°,Azm339.0000° ; P -3.9190,Plg81.0000°,Azm98.0000° $M_0$4.16600×10^{18}

(224) Hokkaido region

ISC	**XI**	**29 18 23 18.6–.70**	**41.92N–.04**	**142.49E–.03**	**63–6**	**4.2b**	**96**	**0-71**
MOS	XI	29 18 23 17.4–1.3	41.92N	142.48E	69	4.5b		**¶621615779**
NEIC	XI	29 18 23 18.3–1.2	41.88N–.06	142.6E–.10	66–9	4.3b		
NIED	XI	29 18 23 18.6	41.93N	142.46E	61	3.9W		
JMA	XI	29 18 23 18.6–.19	41.9N–.40	142.5E–.80	61–2	4.0,3.7		
IDC	XI	29 18 23 21.0–2.2	42.04N	142.38E	77–15	3.8,3.6b		

ISC Event type ke.

MOS Error ellipse: s-maj=11.5km s-min=8.6km az=68.8.

NEIC Event type se. Error ellipse: s-maj=15.8km s-min=2.5km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.77 $M_{\theta\phi}$-1.06 $M_{\phi\phi}$-3.71 $M_{r\theta}$2.32 $M_{\theta\phi}$-0.41 $M_{\phi r}$4.80 NP1:ϕ_S184.00000°,δ20.00000°,λ74.00000°. NP2:ϕ_S22.00000° ,δ71.00000°,λ96.00000°. $M_0$6.81000×10^{14}

JMA Event type fe. S OFF URAKAWA .

IDC Error ellipse: s-maj=26.1km s-min=13.1km az=124.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**29 18 51 34.0–.91**	**39.63N–.04**	**142.11E–.08**	**50–7**	**4.1b**	**74**	**0-73**
NIED	XI	29 18 51 34.2	39.64N	142.11E	49	3.8W		**¶621615780**
JMA	XI	29 18 51 34.2–.07	39.6N–.20	142.1E–.30	49–0	4.0,3.9		
IDC	XI	29 18 51 35.2–2.2	39.59N	142.07E	60–18	3.9,3.6b		
NEIC	XI	29 18 51 36.0–1.8	39.72N–.06	142.0E–.10	64–8	4.2b,3.6b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.19 $M_{\theta\theta}$2.21 $M_{\phi\phi}$-0.02 $M_{r\theta}$-0.07 $M_{\theta\phi}$-1.83 $M_{\phi r}$5.80 NP1:ϕ_S278.00000°,δ23.00000°,λ-158.00000°. NP2:ϕ_S168.00000° ,δ82.00000°,λ-69.00000°. $M_0$6.31000×10^{14}

JMA Event type fe. E OFF IWATE PREF .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(259) Mindanao

ISC	**XI**	**30 00 56 07.2–.29**	**6.66N–.02**	**126.13E–.03**	**60–2**	**5.2b,4.3s**	**809**	**0-169**
BJI	XI	30 00 56 02.2	6.34N	126.56E	60	5.4b,5.2b		**¶621499075**
MAN	XI	30 00 56 05.5	6.67N	126.16E	43	5.8b,5.2s		
NEIC	XI	30 00 56 07.5–1.7	6.74N–.06	126.12E–.07	58–4	5.2b,5.2s		
GFZ	XI	30 00 56 07.3–.12	7N–2.0	126E–3.0	53	5.8L,5.5b		
NEIC	XI	30 00 56 07.6	6.72N	126.10E	59	5.8L,5.5b		
IDC	XI	30 00 56 07.2–.77	6.73N	126.13E	58–6	5.0,4.7b		
DJA	XI	30 00 56 08.3–.80	7N–8.0	126E–2.0	12–11	5.7,5.6b		
GCMT	XI	30 00 56 08.5–.10	6.82N–.01	126.10E–.01	74–1	5.2W,5.6b		
NEIC	XI	30 00 56 10.1	6.82N	126.30E	60	5.1,5.6b		

ISC Event type se.

MAN Event type fe. INTENSITY IV - CITY OF MATI; BANAYBANAY GOVERNOR GENEROSO AND TARRAGONA DAVAO ORIENTAL; MACO AND PANTUKAN DAVAO DE ORO; . INTENSITY III - CITY OF DAVAO; CITY OF TAGUM DAVAO DEL NORTE; CITY OF KORONADAL SOUTH COTABATO; LUPON AND SAN ISIDRO DAVAO ORIENTAL; SANTA MARIA DAVAO OCCIDENTAL; ROSARIO AGUSAN DEL SUR; ; . INTENSITY II - CITY OF KIDAPAWAN MAGPET AND MAKILALA COTABATO; COMPOSTELA AND NABUNTURAN DAVAO DE ORO; TUPI SOUTH COTABATO; . INTENSITY I - CITY OF GENERAL SANTOS; TANTANGAN SOUTH COTABATO.

NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.5km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se.

IDC Error ellipse: s-maj=14.1km s-min=7.5km az=73.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111300056A. Moment Tensor Solution. s90,c144; s115,c205;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.87±.16 $M_{\theta\theta}$1.78±.14; $M_{\phi\phi}$1.08±.16; $M_{r\theta}$-1.78±.10; $M_{\theta\phi}$5.21±.13; $M_{\phi r}$5.54±.11; Best double couple: NP1:ϕ_S82.00000° ,δ46.00000°,λ-22.00000°. NP2:ϕ_S188.00000°,δ74.00000°,λ-134.00000°. Principal axes: T 7.4380,Plg17.0000°,Azm308.0000°; N 1.3510,Plg42.0000°,Azm202.0000° ; P -8.7990,Plg43.0000°,Azm56.0000° $M_0$8.11900×10^{16}

NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.06 $M_{\theta\theta}$0.87 $M_{\phi\phi}$1.19 $M_{r\theta}$-0.97 $M_{\theta\phi}$3.69 $M_{\phi r}$4.15 NP1:ϕ_S79.22000°,δ42.36000° ,λ-21.12000°. NP2:ϕ_S185.15000°,δ75.95000°,λ-130.39000°. Principal axes: T 5.6081,Plg21.0000°,Azm304.0000°; N 0.5762,Plg39.0000°,Azm197.0000° ; P -6.1843,Plg44.0000°,Azm56.0000° $M_0$5.92000×10^{16}

(230) Near south coast of eastern Honshu

ISC	**XI**	**30 08 58 08.5–.99**	**35.66N–.05**	**139.92E–.05**	**66–9**	**3.7b**	**27**	**0-56**
JMA	XI	30 08 58 08.6–.13	35.7N–.30	139.9E–.40	62–1	3.5		**¶621615782**
NIED	XI	30 08 58 08.6	35.71N	139.92E	62	3.7W		
IDC	XI	30 08 58 10.6–2.2	35.16N	138.41E	35–21	4.1L,3.9		

ISC Event type ke.

JMA Event type fe. TOKYO PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.77 $M_{\theta\theta}$2.29 $M_{\phi\phi}$-1.52 $M_{r\theta}$0.98 $M_{\theta\phi}$1.15 $M_{\phi r}$2.26 NP1:ϕ_S114.00000°,δ42.00000°,λ-13.00000°. NP2:ϕ_S214.00000° ,δ81.00000°,λ-132.00000°. $M_0$3.39000×10^{14}

IDC Error ellipse: s-maj=38.5km s-min=12.6km az=66.0.

(224) Hokkaido region

ISC	**XI**	**30 10 04 06.8–.66**	**43.56N–.06**	**145.34E–.04**	**134–5**	**3.8b**	**52**	**0-93**
JMA	XI	30 10 04 07.9–.15	43.6N–.50	145.3E–.70	129–1	3.5		**¶621627041**
SKHL	XI	30 10 04 08.4–.00	43.60N	145.30E	126–3	5.8,5.0b		
IDC	XI	30 10 04 09.9–2.2	44.07N	145.18E	139–13	3.9,3.5b		

ISC Event type ke.

JMA Event type fe. NEMURO REGION .

IDC Error ellipse: s-maj=51.6km s-min=17.1km az=173.0.

(227) Eastern Honshu

ISC	**XI**	**30 20 50 08.2–.76**	**37.77N–.03**	**140.06E–.03**	**10**	**4.0b**	**33**	**0-78**
NIED	XI	30 20 50 07.0	37.77N	140.06E	7	3.8W		**¶621615783**
JMA	XI	30 20 50 07.0–.04	37.8N–.10	140.1E–.20	7–1	4.0,3.9		
IDC	XI	30 20 50 07.3–1.2	37.89N	139.97E	0	3.9b,3.9		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.10 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-4.46 $M_{r\theta}$-0.99 $M_{\theta\phi}$0.46 $M_{\phi r}$-3.74 NP1:ϕ_S345.00000°,δ27.00000°,λ71.00000°. NP2:ϕ_S186.00000° ,δ64.00000°,λ99.00000°. $M_0$6.15000×10^{14}

JMA Event type fe. SOUTHERN YAMAGATA PREF .

IDC Error ellipse: s-maj=25.8km s-min=14.0km az=131.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**01 06 04 53.5–.32**	**35.20N–.04**	**141.24E–.04**	**10**	**4.9b,4.4s**	**536**	**1-148**
BJI	XII	01 06 04 50.6	35.19N	141.30E	8	5.3b,4.9s		**¶621564961**
MOS	XII	01 06 04 51.7–.99	35.18N	141.29E	10	5.1b,4.5s		
IDC	XII	01 06 04 52.3–.47	35.25N	141.31E	0	4.6b,4.6		
NEIC	XII	01 06 04 53.8–1.7	35.14N–.05	141.33E–.08	10–1	4.9b,4.6		
GFZ	XII	01 06 04 53.3–.29	35N–3.0	142E–4.0	10	6.0b,5.6		
NIED	XII	01 06 04 56.1	35.23N	141.29E	15	4.9W,5.6		
JMA	XII	01 06 04 56.1–.04	35.2N–.20	141.3E–.30	15–0	4.9,4.9W		
BGR	XII	01 06 04 58.8	35.17N	141.02E	33	5.1b,4.6s		

GCMT XII 01 06 04 59.2–.30 35.18N–.02 141.45E–.03 31–0 4.9W,4.6s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.31 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-2.07 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.44 $M_{\phi r}$1.44 NP1:ϕ_s180.00000°,δ25.00000°,λ78.00000°. NP2:ϕ_s14.00000° ,δ65.00000°,λ96.00000°. M_o2.27000×10^{16}
JMA Event type fe. E OFF BOSO PENINSULA .
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112010604A. Moment Tensor Solution. s45,c54; s101,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.79±.14 $M_{\theta\theta}$-0.44±.09; $M_{\phi\phi}$-2.35±.09; $M_{r\theta}$0.01±.12; $M_{\theta\phi}$-0.65±.06; $M_{\phi r}$1.86±.10; Best double couple: NP1:ϕ_s204.00000°,δ29.00000° ,λ104.00000°. NP2:ϕ_s8.00000°,δ62.00000°,λ82.00000°. Principal axes: T 3.4020,Plg72.0000°,Azm261.0000°; N -0.3050,Plg7.0000°,Azm12.0000° ; P -3.0960,Plg17.0000°,Azm104.0000° M_o3.24900×10^{16}

(227) Eastern Honshu

ISC	**XII**	**01 14 31 35.3–1.1**	**40.24N–.03**	**140.92E–.03**	**4–7**	**4.1b,3.2s**	**79**	**0-147**
IDC	XII	01 14 31 34.0–.71	40.09N	141.08E	0	3.9,3.8b		**¶621590441**
JMA	XII	01 14 31 35.2–.04	40.2N–.10	140.9E–.10	10–0	4.2,4.2		
NIED	XII	01 14 31 35.2	40.24N	140.89E	10	4.0W,4.2		
NEIC	XII	01 14 31 36.5–1.4	40.31N–.04	140.88E–.06	10–1	4.1b,4.2		

ISC Event type ke.
JMA Event type fe. NORTHERN AKITA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.21 $M_{\theta\theta}$8.43 $M_{\phi\phi}$-9.64 $M_{r\theta}$-3.71 $M_{\theta\phi}$1.28 $M_{\phi r}$-0.89 NP1:ϕ_s313.00000°,δ71.00000°,λ14.00000°. NP2:ϕ_s219.00000° ,δ77.00000°,λ161.00000°. M_o9.94000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(227) Eastern Honshu

ISC	**XII**	**01 16 58 37.6–.23**	**36.16N–.03**	**140.02E–.03**	**66–1**	**5.1b**	**1094**	**0-156**
BJI	XII	01 16 58 29.8	35.95N	140.49E	52	5.3b,5.1b		**¶635654313**
IDC	XII	01 16 58 34.6–1.7	36.25N	139.98E	33–13	4.9,4.7b		
MOS	XII	01 16 58 36.6–.99	36.21N	139.96E	67	5.3b,4.3s		
NEIC	XII	01 16 58 36.6–2.0	36.19N–.05	140.09E–.07	52–4	5.1b,4.9		
NEIC	XII	01 16 58 38.1	36.20N	140.05E	65	5.1b,4.9		
GFZ	XII	01 16 58 38.4–.21	36N–2.0	140E–3.0	64–1	6.0,6.0		
NIED	XII	01 16 58 38.8	36.22N	139.99E	65	4.9W,6.0		
NEIC	XII	01 16 58 38.1	36.20N	140.05E	65	4.9W,6.0		
JMA	XII	01 16 58 38.8–.06	36.2N–.20	140.0E–.20	65–0	5.1,4.9W		
BGR	XII	01 16 58 41.7	36.23N	138.46E	52–1	5.2b,4.9W		
GCMT	XII	01 16 58 41.2–.30	36.44N–.02	139.88E–.02	98–3	5.0W,4.9W		
NEIC	XII	01 16 58 45.9	36.10N	139.80E	50	5.0,4.9W		

ISC Event type ke.
IDC Error ellipse: s-maj=11.4km s-min=8.1km az=91.0.
MOS Error ellipse: s-maj=6.0km s-min=3.7km az=116.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.3km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.89 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$0.93 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.99 $M_{\phi r}$2.50 NP1:ϕ_s173.17000°,δ81.13000°,λ-112.59000°. NP2:ϕ_s62.85000°,δ24.19000° ,λ-22.10000°. Principal axes: T 2.7660,Plg32.0000°,Azm282.0000°; N 0.2605,Plg22.0000° ,Azm177.0000°; P -3.0265,Plg49.0000°,Azm59.0000° M_o2.91000×10^{16}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.82 $M_{\theta\theta}$0.18 $M_{\phi\phi}$0.64 $M_{r\theta}$0.03 $M_{\theta\phi}$1.08 $M_{\phi r}$2.41 NP1:ϕ_s73.00000°,δ24.00000°,λ-24.00000°. NP2:ϕ_s185.00000° ,δ81.00000°,λ-112.00000°. M_o2.74000×10^{16}
NEIC Event type se.
JMA Event type fe. SW IBARAKI PREF .
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112011658A. Moment Tensor Solution. s30,c39; s100,c150; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.53±.12 $M_{\theta\theta}$-1.13±.13; $M_{\phi\phi}$1.67±.13; $M_{r\theta}$-0.54±.08; $M_{\theta\phi}$2.52±.13; $M_{\phi r}$2.44±.06; Best double couple: NP1:ϕ_s74.00000°,δ48.00000° ,λ-7.00000°. NP2:ϕ_s169.00000°,δ85.00000°,λ-138.00000°. Principal axes: T 3.9760,Plg24.0000°,Azm294.0000°; N -0.2760,Plg48.0000°,Azm174.0000° ; P -3.6940,Plg32.0000°,Azm40.0000° M_o3.83500×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1σ6 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.48 $M_{\theta\theta}$1.68 $M_{\phi\phi}$0.79 $M_{r\theta}$-0.43 $M_{\theta\phi}$1.52 $M_{\phi r}$2.35 NP1:ϕ_s76.68000°,δ39.54000° ,λ-42.70000°. NP2:ϕ_s202.11000°,δ64.43000°,λ-121.24000°. Principal axes: T 3.0887,Plg14.0000°,Azm314.0000°; N 0.8348,Plg28.0000°,Azm217.0000° ; P -3.9235,Plg58.0000°,Azm68.0000° M_o3.58000×10^{16}

(227) Eastern Honshu

ISC	**XII**	**01 23 58 00.6–1.0**	**36.18N–.04**	**140.02E–.05**	**69–8**	**3.5b**	**24**	**0-60**
JMA	XII	01 23 58 01.2–.07	36.2N–.20	140.0E–.30	64–0	3.5		**¶621629858**
IDC	XII	01 23 58 04.8–2.1	35.86N	139.56E	92–13	3.7,3.3b		

ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=41.5km s-min=8.6km az=65.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**02 08 24 47.4–.37**	**37.67N–.03**	**141.84E–.04**	**55–2**	**4.8b,3.5s**	**486**	**1-146**
BJI	XII	02 08 24 43.9	37.54N	142.09E	62	5.3b,4.8b		**¶621606970**
MOS	XII	02 08 24 45.6–.93	37.79N	141.75E	46	5.1b,4.8b		
NIED	XII	02 08 24 47.4	37.67N	141.71E	53	4.5W,4.8b		
JMA	XII	02 08 24 47.4–.04	37.7N–.10	141.7E–.20	53–0	4.7,4.5W		
IDC	XII	02 08 24 48.8–1.9	37.64N	141.67E	63–17	4.6,4.3b		
NEIC	XII	02 08 24 48.4–1.1	37.72N–.06	141.8E–.10	57–6	4.8b,4.3b		
GFZ	XII	02 08 24 51.5–.34	38N–3.0	141E–5.0	45	6.3b,6.0		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.09 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-4.78 $M_{r\theta}$2.14 $M_{\theta\phi}$-2.95 $M_{\phi r}$-0.77 NP1:ϕ_s184.00000°,δ49.00000°,λ57.00000°. NP2:ϕ_s49.00000° ,δ51.00000°,λ122.00000°. M_o6.18000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(227) Eastern Honshu

ISC	**XII**	**02 17 17 58.4–.76**	**35.52N–.02**	**139.01E–.03**	**26–5**	**4.3b,2.9s**	**109**	**0-125**
JMA	XII	02 17 17 58.6–.09	35.5N–.20	139.0E–.30	21–0	4.2,4.1		**¶621611295**
NIED	XII	02 17 17 58.6	35.53N	138.98E	21	4.0W,4.1		
IDC	XII	02 17 17 59.9–1.1	35.48N	138.90E	40–10	3.8,3.6b		
NEIC	XII	02 17 17 59.0–1.9	35.55N–.03	139.03E–.06	27–4	4.5b,3.6b		

ISC Event type ke.
JMA Event type fe. EASTERN YAMANASHI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.40 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$0.17 $M_{r\theta}$0.17 $M_{\theta\phi}$-0.74 $M_{\phi r}$0.76 NP1:ϕ_s277.00000°,δ44.00000°,λ161.00000°. NP2:ϕ_s21.00000° ,δ77.00000°,λ48.00000°. M_o1.19000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(227) Eastern Honshu

ISC	**XII**	**02 17 23 23.7–.88**	**35.53N–.03**	**138.96E–.05**	**24–7**	**3.7b**	**39**	**0-93**
JMA	XII	02 17 23 24.3–.09	35.5N–.20	139.0E–.30	21–0	3.8		**¶621629896**
NIED	XII	02 17 23 24.3	35.53N	138.98E	21	3.8W		
IDC	XII	02 17 23 26.1–.94	35.51N	138.90E	44–9	3.7,3.6s		

ISC Event type ke.
JMA Event type fe. EASTERN YAMANASHI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.54 $M_{\theta\theta}$-1.87 $M_{\phi\phi}$-1.67 $M_{r\theta}$2.27 $M_{\theta\phi}$-2.63 $M_{\phi r}$1.40 NP1:ϕ_s216.00000°,δ29.00000°,λ74.00000°. NP2:ϕ_s54.00000° ,δ62.00000°,λ99.00000°. M_o4.79000×10^{14}
IDC Error ellipse: s-maj=22.5km s-min=6.7km az=69.0.

(227) Eastern Honshu

ISC	**XII**	**02 21 37 47.0–.42**	**35.54N–.02**	**138.98E–.02**	**19–1**	**4.8b,3.8s**	**438**	**0-149**
IDC	XII	02 21 37 43.7–.43	35.43N	138.95E	0	4.5b,4.4		**¶621611286**
BGR	XII	02 21 37 44.5	35.61N	141.58E	24	5.0b,4.4		
BJI	XII	02 21 37 45.5	35.50N	139.00E	20	4.5b,4.4s		
MOS	XII	02 21 37 46.4–1.1	35.41N	138.93E	30	4.9b,4.4s		
JMA	XII	02 21 37 48.6–.10	35.6N–.20	139.0E–.30	19–0	4.8,4.5W		
NEIC	XII	02 21 37 48.9	35.56N	139.02E	29	4.8,4.5W		
NIED	XII	02 21 37 48.6	35.55N	138.99E	19	4.5W,4.5W		
NEIC	XII	02 21 37 48.6–1.6	35.56N–.03	139.02E–.04	27–4	4.8b,4.4		
GFZ	XII	02 21 37 51.7–.41	35N–3.0	139E–4.0	51–3	5.0,5.0		

ISC Event type ke.
BGR Event type ke.
JMA Event type fe. EASTERN YAMANASHI PREF .
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.34 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-2.00 $M_{r\theta}$-2.73 $M_{\theta\phi}$-4.74 $M_{\phi r}$2.45 NP1:ϕ_s8.00000°,δ59.00000°,λ36.00000°. NP2:ϕ_s258.00000° ,δ60.00000°,λ143.00000°. M_o6.65000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.73 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-2.52 $M_{r\theta}$-1.13 $M_{\theta\phi}$-2.82 $M_{\phi r}$1.64 NP1:ϕ_s13.94000°,δ54.82000°,λ56.31000°. NP2:ϕ_s243.11000°,δ47.15000° ,λ128.20000°. Principal axes: T 4.7454,Plg63.0000°,Azm225.0000°; N 0.0533,Plg27.0000° ,Azm35.0000°; P -4.7987,Plg4.0000°,Azm127.0000° M_o4.77000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(337) Eastern Caucasus

ISC	**XII**	**02 23 22 56.9–.77**	**42.97N–.02**	**47.09E–.02**	**11–5**	**4.0b,3.2s**	**235**	**0-60**
IDC	XII	02 23 22 55.4–.69	42.97N	47.03E	0	3.8L,3.8b		**¶621611298**
TIF	XII	02 23 22 56.6	42.95N	47.07E	6–1	3.8L,3.8b		
MOS	XII	02 23 22 56.3	42.93N	47.05E	7–0	4.7,3.8b		
DAGSR	XII	02 23 22 56.5	42.90N	47.04E	6	4.7,3.8b		
NEIC	XII	02 23 22 57.9–.76	43.11N–.08	47.11E–.10	10–1	4.1b,3.8b		
NOGSR	XII	02 23 22 57.6	42.94N	47.07E	5–0	4.6,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=11.7km s-min=7.9km az=164.0.
MOS Event type se.
DAGSR Event type se. #FELT I=II-III MSK at Makhachkala.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=11.8km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOGSR Event type se.

(233) Near south coast of western Honshu

ISC	**XII**	**03 00 28 28.6–.33**	**33.82N–.03**	**135.14E–.02**	**16–1**	**5.2b,5.0s**	**845**	**0-155**
BGR	XII	03 00 28 23.3	32.97N	136.76E	22–1	5.4b,5.2s		**¶621611300**
BJI	XII	03 00 28 23.9	33.62N	135.36E	10	5.5s,5.5b		
MOS	XII	03 00 28 26.8–.82	33.77N	135.02E	15	5.6b,5.4s		
IDC	XII	03 00 28 26.0–.42	33.76N	135.09E	0	5.0b,5.0		
JMA	XII	03 00 28 28.9–.04	33.8N–.10	135.2E–.10	18–0	5.4,5.1W		
NIED	XII	03 00 28 28.9	33.80N	135.15E	18	5.1W,5.1W		
NEIC	XII	03 00 28 28.2–1.2	33.83N–.05	135.08E–.05	12–3	5.2b,5.1		
NEIC	XII	03 00 28 29.1	33.84N	135.09E	18	5.2b,5.1		
NEIC	XII	03 00 28 29.1	33.84N	135.09E	18	5.2b,5.1		
GFZ	XII	03 00 28 29.5–.20	34N–3.0	135E–3.0	10	6.6b,6.3		
GCMT	XII	03 00 28 33.0–.20	33.89N–.01	134.89E–.02	15	5.3W,6.3		
KEA	XII	03 00 28 35.6	33.80N	135.13E	33	5.1s,6.3		
NEIC	XII	03 00 28 37.5	33.84N	135.09E	18	5.2,6.3		

ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=6.9km s-min=3.7km az=120.8.
IDC Error ellipse: s-maj=10.0km s-min=7.6km az=159.0.
JMA Event type fe. S PART OF KII CHANNEL .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.62 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.89 $M_{r\theta}$3.15 $M_{\theta\phi}$-1.36 $M_{\phi r}$3.33 NP1:ϕ_s223.00000°,δ11.00000°,λ90.00000°. NP2:ϕ_s43.00000° ,δ79.00000°,λ90.00000°. M_o4.96000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.41 $M_{\theta\theta}$0.38 $M_{\phi\phi}$-0.79 $M_{r\theta}$3.40 $M_{\theta\phi}$-0.60 $M_{\phi r}$4.00 NP1:ϕ_s164.36000°,δ6.32000°,λ33.79000°. NP2:ϕ_s40.73000°,δ86.49000°,λ95.26000°. Principal axes: T 5.0728,Plg48.0000°,Azm316.0000°; N 0.4803,Plg5.0000°,Azm220.0000° ; P -5.5531,Plg41.0000°,Azm126.0000° M_o5.33000×10^{16}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112030028A. Moment Tensor Solution. s69,c90; s91,c135; Duration: 1σ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.26±.01 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$-0.14±.01; $M_{r\theta}$0.76±.03; $M_{\theta\phi}$-0.09±.01; $M_{\phi r}$0.70±.03; Best double couple: NP1:ϕ_s220.00000°,δ7.00000° ,λ83.00000°. NP2:ϕ_s47.00000°,δ83.00000°,λ91.00000°. Principal axes: T 1.0800,Plg52.0000°,Azm318.0000°; N -0.0390,Plg1.0000°,Azm227.0000° ; P -1.0410,Plg38.0000°,Azm136.0000° M_o1.06000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 1σ9 Moment tensor: Scale 10^{16}Nm; M_{rr}2.36 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$-1.01 $M_{r\theta}$3.72 $M_{\theta\phi}$-1.00 $M_{\phi r}$5.23 NP1:ϕ_s239.19000°,δ10.35000° ,λ112.50000°. NP2:ϕ_s36.36000°,δ80.45000°,λ86.00000°. Principal axes: T 6.9484,Plg54.0000°,Azm302.0000°; N -0.2820,Plg4.0000°,Azm37.0000° ; P -6.6664,Plg35.0000°,Azm130.0000° M_o6.81000×10^{16}

(212) Bonin Islands region

ISC	**XII**	**03 11 59 31.3–.42**	**28.03N–.04**	**139.80E–.05**	**454–3**	**4.5b**	**629**	**2-152**
MOS	XII	03 11 59 29.5–.75	28.00N	139.68E	445	4.6b		**¶621611996**
GFZ	XII	03 11 59 30.5–.39	28N–4.0	140E–5.0	446–4	5.3b,4.7b		
NIED	XII	03 11 59 30.6	28.09N	139.98E	445	4.4W,4.7b		
BJI	XII	03 11 59 30.8	27.98N	139.76E	474	4.9b,4.7b		
JMA	XII	03 11 59 30.6–.13	28N–1.0	140E–2.0	445	4.3,4.7b		
IDC	XII	03 11 59 31.8–.85	28.06N	139.71E	454–8	4.9,4.1b		
NEIC	XII	03 11 59 31.8–1.4	28.07N–.08	139.7E–.10	454–8	4.4b,4.1b		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.59 $M_{\theta\theta}$3.94 $M_{\phi\phi}$-1.35 $M_{r\theta}$1.24 $M_{\theta\phi}$-2.61 $M_{\phi r}$-1.25 NP1:ϕ_s78.00000°,δ44.00000°,λ-142.00000°. NP2:ϕ_s320.00000° ,δ65.00000°,λ-52.00000°. M_o4.37000×10^{15}
JMA Event type fe. W OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(238) Ryukyu Islands

ISC	**XII**	**04 09 47 41.2–1.5**	**29.24N–.04**	**129.43E–.06**	**17–11**	**3.4b**	**28**	**0-53**
IDC	XII	04 09 47 39.7–1.1	29.27N	129.24E	0	3.5L,3.5		**¶621630658**
JMA	XII	04 09 47 40.6–.19	29.3N–.90	129E–2.0	21–2	3.8,3.6		
NIED	XII	04 09 47 40.6	29.29N	129.33E	21	4.0W,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=13.6km az=95.0.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.19 $M_{\phi\phi}$0.49 $M_{r\theta}$0.52 $M_{\theta\phi}$0.90 $M_{\phi r}$0.32 NP1:ϕ_s10.00000°,δ37.00000°,λ-136.00000°. NP2:ϕ_s242.00000° ,δ65.00000°,λ-61.00000°. M_o1.17000×10^{15}

(230) Near south coast of eastern Honshu

ISC	**XII**	**04 09 57 23.2–.99**	**35.14N–.04**	**139.94E–.05**	**83–6**	**3.7b**	**37**	**0-59**
IDC	XII	04 09 57 17.7–1.6	34.45N	138.64E	0	3.6b,3.5		**¶621630660**
JMA	XII	04 09 57 22.6–.13	35.2N–.50	139.9E–.60	86–1	3.3,3.5		

ISC Event type ke.
JMA Event type fe. SOUTHERN BOSO PENINSULA .

(238) Ryukyu Islands

ISC	**XII**	**04 10 48 17.7–.76**	**29.23N–.05**	**129.51E–.08**	**21**	**3.6b,3.1s**	**25**	**0-84**
IDC	XII	04 10 48 15.6–.92	29.31N	129.30E	0	3.6b,3.6		**¶621630663**
NIED	XII	04 10 48 16.6	29.30N	129.42E	24	4.1W,3.6		
JMA	XII	04 10 48 16.6–.08	29.3N–.60	129.4E–1.0	24–1	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.13 $M_{\theta\theta}$0.54 $M_{\phi\phi}$-0.42 $M_{r\theta}$0.48 $M_{\theta\phi}$1.00 $M_{\phi r}$0.75 NP1:ϕ_s106.00000°,δ53.00000°,λ1.00000°. NP2:ϕ_s15.00000° ,δ89.00000°,λ143.00000°. M_o1.40000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .

(238) Ryukyu Islands

ISC	**XII**	**04 11 01 27.2–1.6**	**29.19N–.05**	**129.53E–.08**	**4–12**	**3.5b**	**26**	**0-53**
IDC	XII	04 11 01 27.1–1.0	29.23N	129.42E	0	3.6b,3.6		**¶621630664**
NIED	XII	04 11 01 27.7	29.28N	129.37E	21	3.8W,3.6		

JMA XII 04 11 01 27.7–.10 29.3N–.60 129E–1.0 21–1 3.5,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.78 $M_{\theta\theta}$1.27 $M_{\phi\phi}$2.51 $M_{r\theta}$1.69 $M_{\theta\phi}$3.33 $M_{\phi r}$4.08 NP1:ϕ_s60.00000°,δ26.00000°,λ-58.00000°. NP2:ϕ_s205.00000°,δ68.00000°,λ-105.00000°. M_o6.38000×10^{14}
JMA Event type fe. NEAR TOKARA ISLANDS .
(238) Ryukyu Islands
ISC XII 04 12 21 35.8–1.4 29.24N–.04 129.42E–.06 15–9 3.8b 30 0-53
IDC XII 04 12 21 33.8–.84 29.22N 129.43E 0 3.7b,3.7 **¶621630667**
NIED XII 04 12 21 35.4 29.28N 129.31E 21 4.1W,3.7
JMA XII 04 12 21 35.4–.12 29.3N–.60 129E–1.0 21–1 3.5,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.89 $M_{\theta\theta}$0.38 $M_{\phi\phi}$0.51 $M_{r\theta}$0.48 $M_{\theta\phi}$1.06 $M_{\phi r}$1.02 NP1:ϕ_s71.00000°,δ29.00000°,λ-48.00000°. NP2:ϕ_s205.00000°,δ69.00000°,λ-111.00000°. M_o1.67000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
(238) Ryukyu Islands
ISC XII 04 12 50 52.5–1.2 29.20N–.03 129.46E–.05 6–9 3.6b,3.2s 25 0-57
IDC XII 04 12 50 51.5–1.1 29.20N 129.64E 0 3.5b,3.5 **¶621630669**
JMA XII 04 12 50 52.1–.14 29.3N–.70 129E–1.0 20–1 3.3,3.5
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
(238) Ryukyu Islands
ISC XII 04 13 23 21.1–1.1 29.24N–.04 129.41E–.06 11–8 3.5b,3.5s 19 0-78
IDC XII 04 13 23 20.4–1.2 29.16N 129.23E 0 3.5b,3.5 **¶621630670**
NIED XII 04 13 23 21.3 29.26N 129.34E 16 4.2W,3.5
JMA XII 04 13 23 21.3–.14 29.3N–.80 129E–2.0 16–2 3.4,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.14 $M_{\theta\theta}$0.43 $M_{\phi\phi}$0.71 $M_{r\theta}$0.67 $M_{\theta\phi}$0.92 $M_{\phi r}$1.59 NP1:ϕ_s61.00000°,δ22.00000°,λ-56.00000°. NP2:ϕ_s205.00000°,δ72.00000°,λ-103.00000°. M_o2.18000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
(238) Ryukyu Islands
ISC XII 04 14 25 06.8–1.1 29.28N–.03 129.46E–.05 13–7 3.6b,3.4s 51 0-90
IDC XII 04 14 25 05.1–.69 29.35N 129.41E 0 3.7b,3.7 **¶621630673**
NIED XII 04 14 25 06.5 29.32N 129.38E 20 4.3W,3.7
JMA XII 04 14 25 06.5–.13 29.3N–.90 129E–1.0 20–2 4.2,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.22 $M_{\theta\theta}$0.69 $M_{\phi\phi}$-0.47 $M_{r\theta}$1.13 $M_{\theta\phi}$2.08 $M_{\phi r}$2.10 NP1:ϕ_s102.00000°,δ43.00000°,λ-1.00000°. NP2:ϕ_s193.00000°,δ89.00000°,λ-133.00000°. M_o3.13000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
(238) Ryukyu Islands
ISC XII 04 14 59 23.6–1.1 29.28N–.04 129.45E–.05 10–8 3.7b 38 0-68
IDC XII 04 14 59 22.9–.82 29.26N 129.40E 0 4.1s,3.7b **¶635656512**
JMA XII 04 14 59 24.4–.14 29.3N–.70 129E–1.0 22–1 3.7,3.7b
NIED XII 04 14 59 24.4 29.28N 129.32E 22 4.2W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=11.3km az=97.0.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.96 $M_{\theta\theta}$0.25 $M_{\phi\phi}$0.70 $M_{r\theta}$0.91 $M_{\theta\phi}$1.10 $M_{\phi r}$1.15 NP1:ϕ_s41.00000°,δ21.00000°,λ-88.00000°. NP2:ϕ_s218.00000°,δ69.00000°,λ-91.00000°. M_o1.94000×10^{15}
(238) Ryukyu Islands
ISC XII 04 15 08 15.0–.71 29.23N–.03 129.36E–.03 12–4 4.5b,4.4s 180 0-119
IDC XII 04 15 08 13.9–.51 29.28N 129.51E 0 4.2s,4.0L **¶621612453**
MOS XII 04 15 08 13.1–1.6 29.17N 129.29E 12 4.6b,4.0L
NEIC XII 04 15 08 14.7–1.5 29.35N–.05 129.17E–.09 10–1 4.9b,4.0L
JMA XII 04 15 08 15.7–.15 29.3N–.80 129E–2.0 20–2 4.4,4.3
BJI XII 04 15 08 15.0 29.15N 129.14E 13 5.0b,4.8s
NIED XII 04 15 08 15.7 29.28N 129.33E 20 4.9W,4.8s
GCMT XII 04 15 08 19.7–.40 29.18N–.03 129.26E–.03 12 5.0W,4.8s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.14 $M_{\theta\theta}$0.37 $M_{\phi\phi}$0.76 $M_{r\theta}$0.56 $M_{\theta\phi}$0.96 $M_{\phi r}$2.49 NP1:ϕ_s66.00000°,δ19.00000°,λ-41.00000°. NP2:ϕ_s195.00000°,δ78.00000°,λ-105.00000°. M_o2.90000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112041508A. Moment Tensor Solution. s16,c17; s79,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.90±.14 $M_{\theta\theta}$0.43±.14; $M_{\phi\phi}$1.47±.11; $M_{r\theta}$-2.15±.48; $M_{\theta\phi}$1.77±.09; $M_{\phi r}$2.58±.44; Best double couple: NP1:ϕ_s62.00000°,δ41.00000°,λ-29.00000°. NP2:ϕ_s174.00000°,δ72.00000°,λ-127.00000°. Principal axes:
T 3.0620,Plg18.0000°,Azm291.0000°; N 1.6870,Plg35.0000°,Azm188.0000°
; P -4.7500,Plg50.0000°,Azm44.0000° M_o3.90600×10^{16}
(238) Ryukyu Islands
ISC XII 04 15 26 00.2–.47 29.21N–.04 129.47E–.06 21 4.3b 77 0-90
IDC XII 04 15 25 57.5–.66 29.25N 129.59E 0 4.2s,3.9b **¶621630676**
JMA XII 04 15 25 58.4–.13 29.3N–.70 129E–1.0 19–1 3.9,3.9b
NIED XII 04 15 25 58.4 29.28N 129.32E 19 4.6W,3.9b
NEIC XII 04 15 25 59.4–1.4 29.26N–.03 129.43E–.06 10–1 4.4b,3.9b
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.82 $M_{\theta\theta}$2.22 $M_{\phi\phi}$2.60 $M_{r\theta}$3.12 $M_{\theta\phi}$4.89 $M_{\phi r}$6.52 NP1:ϕ_s69.00000°,δ24.00000°,λ-50.00000°. NP2:ϕ_s207.00000°,δ71.00000°,λ-106.00000°. M_o9.55000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(238) Ryukyu Islands
ISC XII 04 19 05 09.2–1.1 29.26N–.03 129.43E–.05 9–8 3.5s,3.3b 28 0-68
IDC XII 04 19 05 08.0–1.0 29.31N 129.47E 0 3.5,3.5s **¶621630683**
NIED XII 04 19 05 09.1 29.29N 129.30E 21 4.0W,3.5s
JMA XII 04 19 05 09.1–.15 29.3N–.70 129E–1.0 21–1 3.5,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.78 $M_{\theta\theta}$0.42 $M_{\phi\phi}$0.36 $M_{r\theta}$0.44 $M_{\theta\phi}$0.71 $M_{\phi r}$0.51 NP1:ϕ_s53.00000°,δ28.00000°,λ-80.00000°. NP2:ϕ_s222.00000°,δ63.00000°,λ-95.00000°. M_o1.16000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
(238) Ryukyu Islands
ISC XII 04 20 05 39.7–1.0 29.20N–.04 129.37E–.05 18–5 3.3b 27 0-53
IDC XII 04 20 05 38.1–.90 29.25N 129.17E 0 3.5b,3.5 **¶621630687**
NIED XII 04 20 05 39.0 29.28N 129.33E 20 4.1W,3.5
JMA XII 04 20 05 39.0–.14 29.3N–.80 129E–1.0 20–1 3.8,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.68 $M_{\theta\theta}$0.35 $M_{\phi\phi}$0.33 $M_{r\theta}$0.43 $M_{\theta\phi}$0.71 $M_{\phi r}$1.00 NP1:ϕ_s74.00000°,δ25.00000°,λ-44.00000°. NP2:ϕ_s205.00000°,δ73.00000°,λ-109.00000°. M_o1.41000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
(238) Ryukyu Islands
ISC XII 04 20 14 22.4–.45 29.22N–.04 129.50E–.05 21 4.3b,4.0s 101 0-87
BJI XII 04 20 14 14.7 28.58N 129.70E 10 4.9b,4.7s **¶635656779**
IDC XII 04 20 14 18.3–.74 29.50N 129.73E 0 3.9s,3.8b
JMA XII 04 20 14 20.9–.15 29.3N–.70 129E–1.0 20–1 4.1,3.8b
NIED XII 04 20 14 20.9 29.29N 129.29E 20 4.7W,3.8b
NEIC XII 04 20 14 21.3–1.3 29.33N–.03 129.44E–.08 10–1 4.4b,3.8b
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.23 $M_{\phi\phi}$0.44 $M_{r\theta}$0.48 $M_{\theta\phi}$0.50 $M_{\phi r}$0.93 NP1:ϕ_s54.00000°,δ19.00000°,λ-66.00000°. NP2:ϕ_s209.00000°,δ72.00000°,λ-98.00000°. M_o1.29000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(238) Ryukyu Islands
ISC XII 04 20 17 43.0–1.4 29.23N–.04 129.43E–.07 12–10 3.4b 21 0-53
IDC XII 04 20 17 42.3–1.1 29.26N 129.29E 0 3.5b,3.5 **¶621630688**
JMA XII 04 20 17 43.2–.11 29.3N–.70 129E–1.0 17–1 3.3,3.5
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
(238) Ryukyu Islands
ISC XII 04 22 13 51.9–1.1 29.24N–.04 129.42E–.06 13–8 3.6s,3.4b 32 0-71
IDC XII 04 22 13 49.8–.83 29.25N 129.57E 0 3.6s,3.5L **¶621630695**
NIED XII 04 22 13 51.6 29.28N 129.31E 20 4.3W,3.5L
JMA XII 04 22 13 51.6–.13 29.3N–.60 129E–1.0 20–1 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.43 $M_{\theta\theta}$0.64 $M_{\phi\phi}$0.80 $M_{r\theta}$0.99 $M_{\theta\phi}$1.18 $M_{\phi r}$2.21 NP1:ϕ_s65.00000°,δ21.00000°,λ-53.00000°. NP2:ϕ_s206.00000°,δ74.00000°,λ-103.00000°. M_o2.96000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
(238) Ryukyu Islands
ISC XII 05 02 00 26.0–1.0 29.29N–.04 129.44E–.05 11–7 3.7b 35 0-90
JMA XII 05 02 00 27.1–.11 29.3N–.60 129E–1.0 19–1 3.9,3.8 **¶621631219**
NIED XII 05 02 00 27.1 29.27N 129.34E 19 4.4W,3.8
IDC XII 05 02 00 32.0–2.2 29.23N 129.24E 57–21 3.7,3.5L
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.32 $M_{\theta\theta}$1.05 $M_{\phi\phi}$1.26 $M_{r\theta}$1.38 $M_{\theta\phi}$1.74 $M_{\phi r}$2.69 NP1:ϕ_s60.00000°,δ23.00000°,λ-62.00000°. NP2:ϕ_s210.00000°,δ70.00000°,λ-101.00000°. M_o4.01000×10^{15}
IDC Error ellipse: s-maj=28.3km s-min=14.6km az=86.0.
(238) Ryukyu Islands
ISC XII 05 02 14 25.2–.60 29.25N–.03 129.47E–.03 15–3 5.0b,4.6s 515 0-119
BGR XII 05 02 14 21.6 28.34N 130.82E 33 5.2s,5.0b **¶621612584**
MOS XII 05 02 14 22.7–1.1 29.20N 129.45E 11 5.1b,5.0s
NIED XII 05 02 14 25.0 29.27N 129.32E 19 5.2W,5.0s
NEIC XII 05 02 14 24.8–1.8 29.29N–.05 129.50E–.08 10–1 5.1b,5.0s
BJI XII 05 02 14 24.0 29.16N 129.36E 14 5.2s,5.2b
JMA XII 05 02 14 25.0–.17 29.3N–.90 129E–2.0 19–2 5.0W,4.9
GFZ XII 05 02 14 26.8–.21 29N–3.0 130E–3.0 10 5.5b,5.2
GCMT XII 05 02 14 27.4–.20 29.24N–.02 129.31E–.02 12 5.1W,5.2
IDC XII 05 02 14 29.9–2.0 29.34N 129.41E 55–17 4.5s,4.4
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=4.4km az=103.4.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.11 $M_{\theta\theta}$0.93 $M_{\phi\phi}$2.18 $M_{r\theta}$1.96 $M_{\theta\phi}$2.26 $M_{\phi r}$5.67 NP1:ϕ_s58.00000°,δ18.00000°,λ-55.00000°. NP2:ϕ_s201.00000°,δ76.00000°,λ-100.00000°. M_o6.97000×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.0km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR TOKARA ISLANDS .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112050214A. Moment Tensor Solution. s32,c43; s102,c171; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.37±.13 $M_{\theta\theta}$0.86±.12; $M_{\phi\phi}$2.51±.11; $M_{r\theta}$-0.29±.43; $M_{\theta\phi}$3.57±.09; $M_{\phi r}$1.71±.41; Best double couple: NP1:ϕ_s66.00000°,δ45.00000°,λ-47.00000°. NP2:ϕ_s193.00000°,δ59.00000°,λ-125.00000°. Principal axes:
T 5.5040,Plg8.0000°,Azm307.0000°; N -1.2600,Plg29.0000°,Azm213.0000°
; P -4.2450,Plg60.0000°,Azm50.0000° M_o4.87400×10^{16}
IDC Error ellipse: s-maj=14.8km s-min=10.1km az=65.0.
(238) Ryukyu Islands
ISC XII 05 04 06 27.0–.00 29.24N–.03 129.43E–.04 13–6 4.0b,3.6s 78 0-90
IDC XII 05 04 06 25.4–.65 29.31N 129.20E 0 3.8b,3.8 **¶621631224**
JMA XII 05 04 06 26.1–.13 29.3N–.90 129E–1.0 22–2 4.1,4.0
NIED XII 05 04 06 26.1 29.30N 129.41E 22 4.4W,4.0
NEIC XII 05 04 06 27.1–1.8 29.30N–.05 129.3E–.10 10–1 4.4b,4.0
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.49 $M_{\theta\theta}$2.94 $M_{\phi\phi}$-2.45 $M_{r\theta}$1.30 $M_{\theta\phi}$1.67 $M_{\phi r}$3.41 NP1:ϕ_s115.00000°,δ42.00000°,λ-7.00000°. NP2:ϕ_s210.00000°,δ86.00000°,λ-131.00000°. M_o4.84000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(238) Ryukyu Islands
ISC XII 05 05 57 38.2–1.0 29.27N–.05 129.41E–.07 14–8 3.8b,3.4s 23 0-68
IDC XII 05 05 57 35.8–1.6 29.37N 129.77E 0 3.7b,3.6 **¶621631231**
NIED XII 05 05 57 37.9 29.30N 129.31E 22 3.9W,3.6
JMA XII 05 05 57 37.9–.17 29.3N–.80 129E–2.0 22–1 3.5,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.07 $M_{\theta\theta}$2.90 $M_{\phi\phi}$1.18 $M_{r\theta}$0.61 $M_{\theta\phi}$3.58 $M_{\phi r}$6.14 NP1:ϕ_s80.00000°,δ31.00000°,λ-34.00000°. NP2:ϕ_s199.00000°,δ73.00000°,λ-117.00000°. M_o7.98000×10^{14}
JMA Event type fe. NEAR TOKARA ISLANDS .
(238) Ryukyu Islands
ISC XII 05 11 48 47.7–1.0 29.29N–.03 129.43E–.05 15–7 3.3b 35 0-53
IDC XII 05 11 48 46.2–1.1 29.36N 129.34E 0 3.3L,3.3b **¶621631251**
JMA XII 05 11 48 47.5–.16 29N–1.0 129E–2.0 18–3 3.7,3.5
NIED XII 05 11 48 47.5 29.31N 129.39E 18 3.9W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=34.4km s-min=12.9km az=97.0.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.71 $M_{\theta\theta}$3.54 $M_{\phi\phi}$-1.83 $M_{r\theta}$3.04 $M_{\theta\phi}$5.36 $M_{\phi r}$5.02 NP1:ϕ_s104.00000°,δ43.00000°,λ-9.00000°. NP2:ϕ_s201.00000°,δ84.00000°,λ-133.00000°. M_o8.30000×10^{14}
(224) Hokkaido region
ISC XII 05 14 14 06.5–.82 41.49N–.05 143.04E–.04 50–7 4.5b,3.5s 242 1-147
MOS XII 05 14 14 00.6–1.2 41.55N 142.94E 13 4.6b,3.5s **¶621612723**
JMA XII 05 14 14 06.8–.07 41.6N–.30 142.9E–.40 34–0 4.3,4.3
NIED XII 05 14 14 06.8 41.55N 142.90E 34 4.2W,4.3
NEIC XII 05 14 14 07.5–.81 41.57N–.06 142.9E–.10 50–6 4.6b,4.3
IDC XII 05 14 14 09.3–1.9 41.53N 142.81E 75–16 4.1,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=9.1km s-min=6.2km az=71.7.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.91 $M_{\theta\theta}$1.92 $M_{\phi\phi}$-0.01 $M_{r\theta}$-0.44 $M_{\theta\phi}$-0.71 $M_{\phi r}$1.40 NP1:ϕ_s266.00000°,δ38.00000°,λ-131.00000°. NP2:ϕ_s134.00000°,δ62.00000°,λ-62.00000°. M_o2.50000×10^{15}
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.5km az=124.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.1km s-min=12.5km az=119.0.
(238) Ryukyu Islands
JMA XII 05 14 18 17.3–.18 29.3N–.90 129E–2.0 22–2 3.4
NIED XII 05 14 18 17.3 29.29N 129.33E 22 4.0W **¶635657512**
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$0.95 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.23 $M_{\theta\phi}$0.30 $M_{\phi r}$0.23 NP1:ϕ_s217.00000°,δ73.00000°,λ-178.00000°. NP2:ϕ_s126.00000°,δ89.00000°,λ-17.00000°. M_o1.06000×10^{15}
(238) Ryukyu Islands
JMA XII 05 22 16 55.3–.12 29.3N–.80 129E–1.0 20–2 3.5
NIED XII 05 22 16 55.3 29.32N 129.39E 20 3.9W **¶635657869**
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.33 $M_{\theta\theta}$3.90 $M_{\phi\phi}$-1.57 $M_{r\theta}$4.11 $M_{\theta\phi}$3.60 $M_{\phi r}$6.82 NP1:ϕ_s103.00000°,δ27.00000°,λ-20.00000°. NP2:ϕ_s211.00000°,δ81.00000°,λ-116.00000°. M_o9.34000×10^{14}
(238) Ryukyu Islands
ISC XII 05 23 17 00.1–1.1 29.16N–.04 129.42E–.05 12–7 3.7s,3.6b 39 0-90
JMA XII 05 23 16 57.7–.14 29.4N–.60 129E–1.0 24–1 3.9,3.6 **¶621631280**
IDC XII 05 23 16 57.9–.77 29.18N 129.63E 0 3.6b,3.6
NIED XII 05 23 16 57.7 29.38N 129.29E 24 4.1W,3.6
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=22.4km s-min=11.0km az=105.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.09 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-0.47 $M_{r\theta}$1.13 $M_{\theta\phi}$1.10 $M_{\phi r}$1.13 NP1:ϕ_s112.00000°,δ37.00000°,λ-2.00000°. NP2:ϕ_s203.00000°,δ89.00000°,λ-127.00000°. M_o1.87000×10^{15}
(238) Ryukyu Islands
JMA XII 06 00 24 06.7–.21 29N–1.0 129E–2.0 19–2 3.8,3.6
NIED XII 06 00 24 06.7 29.36N 129.36E 19 4.0W,3.6 **¶621750453**
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-0.15 $M_{r\theta}$0.46 $M_{\theta\phi}$0.80 $M_{\phi r}$0.49 NP1:ϕ_s100.00000°,δ64.00000°,λ17.00000°. NP2:ϕ_s2.00000°

,δ75.00000°,λ153.00000°. $M_0$1.01000×10^{15}

(238) Ryukyu Islands

ISC	**XII**	**06 01 58 58.9–1.2**	**29.29N–.04**	**129.42E–.05**	**17–8**	**4.0s,3.7b**	**34**	**0-75**
NIED	XII	06 01 58 58.3	29.34N	129.38E	18	4.4W,3.7b		**¶635658014**
JMA	XII	06 01 58 58.3–.14	29.3N–.90	129E–1.0	18–2	4.1,4.0		
IDC	XII	06 01 59 03.6–1.6	29.31N	129.36E	54–17	3.7,3.7s		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.79 $M_{\theta\theta}$1.99 $M_{\phi\phi}$-1.20 $M_{r\theta}$1.44 $M_{\theta\phi}$1.68 $M_{\phi r}$2.61 NP1:ϕ_s109.00000°,δ36.00000°,λ-13.00000°. NP2:ϕ_s209.00000° ,δ83.00000°,λ-126.00000°. $M_0$3.83000×10^{15}

JMA Event type fe. NEAR TOKARA ISLANDS .

IDC Error ellipse: s-maj=23.3km s-min=10.5km az=101.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**06 08 09 35.1–.63**	**37.62N–.04**	**141.49E–.05**	**54–5**	**4.5b,3.4s**	**262**	**0-148**
MOS	XII	06 08 09 33.5–1.1	37.58N	141.49E	58	4.6b,3.4s		**¶621613082**
JMA	XII	06 08 09 35.7–.06	37.7N–.20	141.3E–.20	61–0	4.7,4.3		
NIED	XII	06 08 09 35.7	37.67N	141.31E	61	4.2W,4.3		
IDC	XII	06 08 09 37.9–1.5	37.62N	141.29E	77–14	4.3,4.0b		
NEIC	XII	06 08 09 37.1–1.0	37.66N–.06	141.3E–.10	69–5	4.5b,4.0b		

ISC Event type ke.

JMA Event type fe. E OFF FUKUSHIMA PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.25 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-1.42 $M_{r\theta}$-0.79 $M_{\theta\phi}$-0.66 $M_{\phi r}$-0.44 NP1:ϕ_s26.00000°,δ35.00000°,λ76.00000°. NP2:ϕ_s223.00000° ,δ56.00000°,λ99.00000°. $M_0$2.23000×10^{15}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region

ISC	**XII**	**06 14 33 21.3–.37**	**41.45N–.03**	**142.07E–.03**	**63–2**	**4.8b**	**586**	**1-147**
BJI	XII	06 14 33 18.1	41.37N	142.24E	69	5.1b,4.8b		**¶635658774**
MOS	XII	06 14 33 20.2–.81	41.48N	142.06E	66	5.1b,4.8b		
JMA	XII	06 14 33 21.4–.09	41.5N–.30	142.1E–.30	55–0	4.4,4.3		
NIED	XII	06 14 33 21.4	41.49N	142.06E	55	4.5W,4.3		
IDC	XII	06 14 33 21.8–1.3	41.47N	142.08E	66–11	4.5,4.2b		
NEIC	XII	06 14 33 21.4–1.5	41.42N–.04	142.06E–.07	57–5	4.9b,4.2b		
GFZ	XII	06 14 33 23.3–.39	42N–5.0	142E–7.0	67–4	5.7b,5.4		

ISC Event type ke.

JMA Event type fe. E OFF AOMORI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.24 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-3.27 $M_{r\theta}$2.10 $M_{\theta\phi}$-0.26 $M_{\phi r}$3.88 NP1:ϕ_s169.00000°,δ21.00000°,λ58.00000°. NP2:ϕ_s23.00000° ,δ72.00000°,λ101.00000°. $M_0$5.48000×10^{15}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(238) Ryukyu Islands

ISC	**XII**	**06 20 04 40.5–1.0**	**29.24N–.03**	**129.43E–.05**	**16–6**	**4.5b,3.6s**	**84**	**0-92**
IDC	XII	06 20 04 38.0–.70	29.27N	129.39E	0	3.8b,3.8		**¶635659068**
NIED	XII	06 20 04 40.2	29.30N	129.31E	21	4.1W,3.8		
JMA	XII	06 20 04 40.2–.18	29.3N–.90	129E–2.0	21–1	3.6,3.8		
NEIC	XII	06 20 04 40.1–1.9	29.27N–.06	129.4E–.10	10–1	4.6b,3.8		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.06 $M_{\theta\theta}$0.52 $M_{\phi\phi}$0.54 $M_{r\theta}$0.10 $M_{\theta\phi}$0.90 $M_{\phi r}$0.65 NP1:ϕ_s67.00000°,δ38.00000°,λ-55.00000°. NP2:ϕ_s205.00000° ,δ60.00000°,λ-114.00000°. $M_0$1.43000×10^{15}

JMA Event type fe. NEAR TOKARA ISLANDS .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(238) Ryukyu Islands

ISC	**XII**	**07 02 13 34.6–.46**	**29.31N–.03**	**129.49E–.03**	**14–2**	**5.0b,4.4s**	**559**	**0-166**
BJI	XII	07 02 13 29.8	29.00N	129.69E	10	5.1b,4.9s		**¶621615810**
IDC	XII	07 02 13 32.0–.45	29.33N	129.43E	0	4.5,4.4b		
MOS	XII	07 02 13 32.9–.96	29.34N	129.42E	13	5.0b,4.5s		
NIED	XII	07 02 13 34.6	29.35N	129.39E	17	4.9W,4.5s		
JMA	XII	07 02 13 34.6–.12	29.4N–.90	129E–1.0	17–2	4.9W,4.7		
NEIC	XII	07 02 13 34.7–1.0	29.37N–.05	129.45E–.08	10–1	5.1b,4.9		
GCMT	XII	07 02 13 36.4–.20	29.35N–.02	129.32E–.03	12	4.9W,4.9		
BGR	XII	07 02 13 37.3	29.16N	129.61E	33	5.2b,4.6s		
GFZ	XII	07 02 13 38.8–.35	30N–6.0	129E–5.0	10	5.3,5.2b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.48 $M_{\theta\theta}$1.37 $M_{\phi\phi}$0.11 $M_{r\theta}$0.34 $M_{\theta\phi}$0.73 $M_{\phi r}$1.74 NP1:ϕ_s88.00000°,δ33.00000°,λ-39.00000°. NP2:ϕ_s212.00000° ,δ70.00000°,λ-117.00000°. $M_0$2.35000×10^{16}

JMA Event type fe. NEAR TOKARA ISLANDS .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112070213A. Moment Tensor Solution. s31,c41; s85,c129; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.84±.08 $M_{\theta\theta}$1.67±.07; $M_{\phi\phi}$0.16±.07; $M_{r\theta}$0.48±.25; $M_{\theta\phi}$1.47±.06; $M_{\phi r}$2.19±.28; Best double couple: NP1:ϕ_s87.00000°,δ35.00000° ,λ-37.00000°. NP2:ϕ_s209.00000°,δ70.00000°,λ-119.00000°. Principal axes: T 3.1320,Plg20.0000°,Azm320.0000°; N 0.1460,Plg27.0000°,Azm219.0000° ; P -3.2790,Plg55.0000°,Azm81.0000° $M_0$3.20500×10^{16}

BGR Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(238) Ryukyu Islands

ISC	**XII**	**07 05 28 17.5–.56**	**29.33N–.04**	**129.46E–.06**	**10**	**3.8b,3.6s**	**33**	**0-90**
IDC	XII	07 05 28 16.4–.74	29.41N	129.39E	0	3.8b,3.8		**¶621632640**
NIED	XII	07 05 28 18.0	29.35N	129.40E	17	4.1W,3.8		
JMA	XII	07 05 28 18.0–.12	29.4N–.90	129E–1.0	17–2	3.4,3.8		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.15 $M_{\theta\theta}$1.16 $M_{\phi\phi}$-0.02 $M_{r\theta}$0.17 $M_{\theta\phi}$0.51 $M_{\phi r}$0.97 NP1:ϕ_s94.00000°,δ40.00000°,λ-45.00000°. NP2:ϕ_s221.00000° ,δ63.00000°,λ-121.00000°. $M_0$1.59000×10^{15}

JMA Event type fe. NEAR TOKARA ISLANDS .

(238) Ryukyu Islands

ISC	**XII**	**07 08 51 46.9–1.0**	**29.26N–.04**	**129.18E–.08**	**12–6**	**3.6b,3.1s**	**22**	**0-52**
JMA	XII	07 08 51 46.7–.26	29.3N–.70	129E–2.0	10–1	3.2,3.1s		**¶635659462**
IDC	XII	07 08 51 46.8–1.5	29.05N	128.69E	0	3.6b,3.6		

ISC Event type ke.

JMA Event type fe. NEAR TOKARA ISLANDS .

IDC Error ellipse: s-maj=31.5km s-min=28.9km az=49.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**07 17 29 25.2–.47**	**37.17N–.03**	**141.28E–.03**	**14–2**	**5.0b,4.4s**	**603**	**0-153**
BJI	XII	07 17 29 21.5	37.05N	141.54E	19	5.2b,4.7s		**¶621618754**
IDC	XII	07 17 29 23.6–.44	37.21N	141.23E	0	4.5b,4.5		
MOS	XII	07 17 29 23.7–1.1	37.19N	141.30E	14	5.1b,4.4s		
NEIC	XII	07 17 29 25.0–1.5	37.19N–.05	141.29E–.07	10–1	5.1b,4.9		
JMA	XII	07 17 29 26.2–.06	37.2N–.20	141.2E–.30	17–1	5.2,4.9W		
NIED	XII	07 17 29 26.2	37.17N	141.21E	17	4.8W,4.9W		
GFZ	XII	07 17 29 26.1–.26	37N–4.0	141E–4.0	10	5.3b,5.0b		
BGR	XII	07 17 29 28.3	37.37N	142.54E	33	5.2b,5.0b		
GCMT	XII	07 17 29 30.2–.30	37.26N–.02	141.31E–.03	17–0	4.9W,5.0b		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. E OFF FUKUSHIMA PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.80 $M_{\theta\theta}$0.97 $M_{\phi\phi}$0.82 $M_{r\theta}$-0.20 $M_{\theta\phi}$1.07 $M_{\phi r}$0.16 NP1:ϕ_s218.00000°,δ45.00000°,λ-102.00000°. NP2:ϕ_s56.00000° ,δ46.00000°,λ-78.00000°. $M_0$1.90000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

BGR Event type ke.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071729A. Moment Tensor Solution. s28,c31; s100,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.19±.19 $M_{\theta\theta}$1.85±.11; $M_{\phi\phi}$1.33±.11; $M_{r\theta}$0.31±.26; $M_{\theta\phi}$1.17±.05; $M_{\phi r}$-0.82±.28; Best double couple: NP1:ϕ_s243.00000°,δ44.00000° ,λ-72.00000°. NP2:ϕ_s39.00000°,δ49.00000°,λ-107.00000°. Principal axes: T 2.8010,Plg3.0000°,Azm140.0000°; N 0.5760,Plg12.0000°,Azm50.0000° ; P -3.3880,Plg77.0000°,Azm242.0000° $M_0$3.09500×10^{16}

(224) Hokkaido region

ISC	**XII**	**07 20 50 16.5–.74**	**41.57N–.03**	**141.92E–.04**	**64–7**	**4.2b**	**131**	**1-79**
NEIC	XII	07 20 50 16.3–.89	41.64N–.07	141.86E–.06	57–7	4.3b		**¶621618809**
NIED	XII	07 20 50 16.5	41.60N	141.96E	59	3.8W		
JMA	XII	07 20 50 16.5–.10	41.6N–.30	142.0E–.30	59–1	3.8		
IDC	XII	07 20 50 19.3–1.7	41.64N	141.89E	87–12	3.9,3.6b		

ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=11.5km s-min=1.1km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.02 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$-3.18 $M_{r\theta}$1.99 $M_{\theta\phi}$-0.56 $M_{\phi r}$4.36 NP1:ϕ_s188.00000°,δ19.00000°,λ77.00000°. NP2:ϕ_s22.00000° ,δ71.00000°,λ94.00000°. $M_0$6.03000×10^{14}

JMA Event type fe. E OFF AOMORI PREF .

IDC Error ellipse: s-maj=19.3km s-min=11.5km az=128.0.

(238) Ryukyu Islands

ISC	**XII**	**07 23 14 12.0–.82**	**26.45N–.05**	**128.08E–.04**	**52–6**	**3.9b**	**63**	**0-79**
NEIC	XII	07 23 14 10.4–1.9	26.34N–.01	128.02E–.08	35–2	4.0b		**¶621632715**
IDC	XII	07 23 14 12.4–2.8	26.64N	127.97E	41–20	3.9L,3.9		
JMA	XII	07 23 14 13.4–.16	26.6N–.60	128.0E–.90	45–1	3.7,3.7		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

(228) Near east coast of eastern Honshu

ISC	**XII**	**08 07 22 18.3–.24**	**37.73N–.03**	**141.62E–.04**	**55–1**	**5.2b,4.4s**	**1049**	**1-156**
BJI	XII	08 07 22 07.9	37.59N	142.12E	21	5.2b,5.2b		**¶621620225**
IDC	XII	08 07 22 10.9–.35	37.73N	141.59E	0	4.9b,4.9		
MOS	XII	08 07 22 16.4–.82	37.82N	141.69E	57	5.4b,5.3s		
BGR	XII	08 07 22 17.6	37.81N	141.62E	33	5.2b,5.3s		
JMA	XII	08 07 22 18.2–.05	37.7N–.10	141.6E–.20	53–0	5.0,4.8W		
GFZ	XII	08 07 22 18.8–.11	38N–2.0	142E–3.0	54	5.9,5.8		
NEIC	XII	08 07 22 18.7–1.4	37.75N–.06	141.6E–.10	54–4	5.1b,5.8		
NIED	XII	08 07 22 18.2	37.72N	141.57E	53	4.8W,5.8		

ISC Event type ke.

IDC Error ellipse: s-maj=9.6km s-min=7.7km az=120.0.

MOS Error ellipse: s-maj=6.6km s-min=4.9km az=112.4.

BGR Event type ke.

JMA Event type fe. E OFF FUKUSHIMA PREF .

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.8km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.64 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-1.66 $M_{r\theta}$0.25 $M_{\theta\phi}$-0.21 $M_{\phi r}$0.47 NP1:ϕ_s181.00000°,δ37.00000°,λ80.00000°. NP2:ϕ_s13.00000° ,δ54.00000°,λ98.00000°. $M_0$1.75000×10^{16}

(238) Ryukyu Islands

ISC	**XII**	**08 13 44 18.8–1.1**	**29.30N–.03**	**129.50E–.05**	**13–7**	**3.8s,3.6b**	**48**	**0-88**
IDC	XII	08 13 44 17.5–.70	29.33N	129.23E	0	3.7s,3.6b		**¶621622048**
NIED	XII	08 13 44 18.9	29.33N	129.43E	20	4.6W,3.6b		
JMA	XII	08 13 44 18.9–.12	29.3N–1.0	129E–1.0	20–2	4.0,3.9		
GCMT	XII	08 13 44 22.6–.40	29.35N–.02	129.33E–.03	22–2	4.7W,3.9		
GCMT	XII	08 13 44 24.0	29.25N	129.25E	10	4.8s,3.9		

ISC Event type ke.

IDC Error ellipse: s-maj=21.2km s-min=10.2km az=103.0.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.82 $M_{\theta\theta}$6.37 $M_{\phi\phi}$-5.55 $M_{r\theta}$0.09 $M_{\theta\phi}$3.29 $M_{\phi r}$4.73 NP1:ϕ_s116.00000°,δ61.00000°,λ-14.00000°. NP2:ϕ_s213.00000° ,δ77.00000°,λ-151.00000°. $M_0$8.22000×10^{15}

JMA Event type fe. NEAR TOKARA ISLANDS .

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202112081344A. Moment Tensor Solution. s12,c15; s72,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.43±.12 $M_{\theta\theta}$1.34±.10; $M_{\phi\phi}$-0.91±.08; $M_{r\theta}$0.36±.13; $M_{\theta\phi}$0.89±.07; $M_{\phi r}$-0.36±.14; Best double couple: NP1:ϕ_s28.00000°,δ68.00000°,λ-166.00000°. NP2:ϕ_s293.00000°,δ77.00000°,λ-22.00000°. Principal axes: T 1.6730,Plg6.0000°,Azm342.0000°; N -0.2430,Plg64.0000°,Azm85.0000° ; P -1.4340,Plg25.0000°,Azm249.0000° $M_0$1.55400×10^{16}

(328) East of Lake Baykal

ISC	**XII**	**08 13 53 39.1–.46**	**56.63N–.02**	**118.30E–.02**	**10**	**3.9b**	**103**	**0-146**
IDC	XII	08 13 53 38.8–.66	56.68N	118.38E	0	3.7L,3.6		**¶621622057**
MOS	XII	08 13 53 39.5–1.3	56.66N	118.29E	12	4.1b,3.6		
BYKL	XII	08 13 53 41.2–.23	56.74N	118.33E	11–4	4.1b,3.6		

ISC Event type se.

IDC Error ellipse: s-maj=11.6km s-min=9.5km az=137.0.

MOS Event type fe. Error ellipse: s-maj=10.6km s-min=7.8km az=87.6. Felt (III) at Novay Chara. Moment Tensor Solution.

BYKL Event type se. FELT I=III MSK at Novaya Chara.

(228) Near east coast of eastern Honshu

ISC	**XII**	**08 18 04 20.0–2.7**	**37.15N–.05**	**141.4E–.10**	**11–13**	**3.3b**	**20**	**0-57**
IDC	XII	08 18 04 17.2–2.0	37.03N	141.76E	0	3.4b,3.4		**¶621634736**
JMA	XII	08 18 04 23.5–.06	37.2N–.20	141.2E–.20	20–0	3.5,3.4		

ISC Event type ke.

JMA Event type fe. E OFF FUKUSHIMA PREF .

(238) Ryukyu Islands

ISC	**XII**	**09 02 05 08.0–.36**	**29.39N–.02**	**129.44E–.02**	**14–2**	**5.8b,5.7s**	**1839**	**0-177**
IDC	XII	09 02 05 05.6–.33	29.41N	129.42E	0	5.6s,5.2b		**¶621622869**
BJI	XII	09 02 05 06.1	29.26N	129.50E	18	6.2s,6.2b		
ISC-P	XII	09 02 05 07	29.41N	129.39E	14–0	6.2,6.2b		
MOS	XII	09 02 05 07.1–1.0	29.42N	129.39E	18	6.1s,5.8b		
NEIC	XII	09 02 05 07.7–1.4	29.41N–.05	129.39E–.07	7–1	6.0b,5.8		
JMA	XII	09 02 05 08.0–.10	29N–1.0	129E–2.0	14	6.1,5.9W		
NIED	XII	09 02 05 08.0	29.34N	129.45E	14	6.0W,5.9W		
GFZ	XII	09 02 05 08.3	29.41N	129.47E	10	5.9W,5.9W		
NEIC	XII	09 02 05 09.7	29.43N	129.42E	17	5.9W,5.9W		
NEIC	XII	09 02 05 09.7	29.44N	129.41E	17	5.9W,5.9W		
GFZ	XII	09 02 05 09.4–.15	29N–2.0	130E–3.0	10	6.3b,6.2		
GCMT	XII	09 02 05 10.7–.10	29.34N	129.25E	12	6.0W,6.2		
KEA	XII	09 02 05 11.0	29.40N	129.39E	33	5.5s,6.2		
BGR	XII	09 02 05 12.9	30.86N	130.82E	16–1	6.4,6.3s		
PTWC	XII	09 02 05 13	29.50N	129.50E	55	5.8,6.3s		
NEIC	XII	09 02 05 21.1	29.24N	129.64E	18	6.0,6.3s		

ISC Event type ke.

IDC Error ellipse: s-maj=10.8km s-min=8.9km az=97.0.

ISC-P Moment Tensor Solution. s44 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.54±.09 $M_{\theta\theta}$0.18±.13; $M_{\phi\phi}$-0.67±.13; $M_{r\theta}$-0.02±.17; $M_{\theta\phi}$0.27±.11; $M_{\phi r}$0.19±.15; NP1:ϕ_s117.00000°,δ63.00000° ,λ334.70000°. NP2:ϕ_s219.10000°,δ67.60000°,λ-150.60000°. $M_0$2.85000×10^{18}

MOS Error ellipse: s-maj=5.8km s-min=3.5km az=108.3.

NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.3km az=292.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.09 $M_{\theta\theta}$2.39 $M_{\phi\phi}$1.69 $M_{r\theta}$-2.56 $M_{\theta\phi}$3.80 $M_{\phi r}$-1.11 NP1:ϕ_s209.94000°,δ33.38000°,λ-116.88000°. NP2:ϕ_s61.20000°,δ60.61000° ,λ-73.41000°. Principal axes: T 6.5199,Plg14.0000°,Azm139.0000°; N -1.5371,Plg14.0000° ,Azm233.0000°; P -4.9828,Plg70.0000°,Azm7.0000° $M_0$5.90000×10^{17}

JMA Event type fe. NEAR TOKARA ISLANDS .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.49 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-0.04 $M_{r\theta}$0.22 $M_{\theta\phi}$0.39 $M_{\phi r}$0.79 NP1:ϕ_s92.00000°,δ31.00000°,λ-30.00000°. NP2:ϕ_s209.00000° ,δ75.00000°,λ-118.00000°. $M_0$1.04000×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.41 $M_{\theta\theta}$5.45 $M_{\phi\phi}$-0.04 $M_{r\theta}$0.14 $M_{\theta\phi}$5.39 $M_{\phi r}$-0.55 NP1: ϕ_s45.19002°,δ47.30976°,λ-108.93867°. NP2:ϕ_s252.03248°,δ45.95363°,λ-70.61619°. Principal axes: T 8.7582,Plg0.6971°,Azm148.4584°; N -3.2090,Plg13.8015°,Azm58.2871° ; P -5.5492,Plg76.1802°,Azm241.2936° $M_0$7.67453×10^{17}

NEIC Event type se.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112090205A. Moment Tensor Solution. s127,c280; s155,c501;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.63±.01 $M_{\theta\theta}$0.65±.01; $M_{\phi\phi}$-0.01±.01; $M_{r\theta}$0.31±.01; $M_{\theta\phi}$0.63±.01; $M_{\phi r}$0.60±.02; Best double couple: NP1:ϕ_s89.00000°,δ36.00000°,λ-40.00000°. NP2:ϕ_s214.00000°,δ68.00000°,λ-119.00000°.

Principal axes: T 1.2130,Plg18.0000°,Azm325.0000°; N -0.2110,Plg27.0000°,Azm225.0000° ; P -1.0020,Plg57.0000°,Azm85.0000° $M_0$1.10700×10^{18}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 4s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.68 $M_{\theta\theta}$0.54 $M_{\phi\phi}$0.14 $M_{r\theta}$-0.52 $M_{\theta\phi}$0.65 $M_{\phi r}$-0.38 NP1:ϕ_s233.27000°,δ26.51000° ,λ-90.42000°. NP2:ϕ_s53.75000°,δ63.49000°,λ-89.79000°. Principal axes: T 1.2372,Plg18.0000°,Azm144.0000°; N -0.3398,Plg0.0000°,Azm234.0000° ; P -0.8974,Plg72.0000°,Azm324.0000° $M_0$1.11000×10^{18}

(238) Ryukyu Islands

ISC	**XII**	**09 03 22 56.3–1.4**	**29.36N–.04**	**129.36E–.07**	**3–10**	**3.5b**	**18**	**0-49**
IDC	XII	09 03 22 57.3–1.3	29.29N	129.20E	0	3.6b,3.6		**¶621636546**
JMA	XII	09 03 22 58.2–.17	29.3N–1.0	129E–2.0	10–3	3.1,3.6		

ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .

(233) Near south coast of western Honshu

JMA	**XII**	**09 06 25 13.1–.12**	**34.2N–.40**	**135.4E–.40**	**67–0**	**3.5**		
NIED	XII	09 06 25 13.1	34.17N	135.40E	67	3.6W		**¶621750454**

JMA Event type fe. NE WAKAYAMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.94 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-1.54 $M_{r\theta}$0.76 $M_{\theta\phi}$-1.58 $M_{\phi r}$-0.99 NP1:ϕ_s66.00000°,δ56.00000°,λ156.00000°. NP2:ϕ_s170.00000° ,δ71.00000°,λ37.00000°. $M_0$2.42000×10^{14}

(238) Ryukyu Islands

ISC	**XII**	**09 10 17 30.8–1.4**	**29.30N–.04**	**129.61E–.07**	**7–10**	**3.6s,3.6b**	**39**	**0-78**
IDC	XII	09 10 17 29.9–.72	29.33N	129.71E	0	3.6b,3.6		**¶621636570**
JMA	XII	09 10 17 31.6–.07	29.3N–.70	129.4E–1.0	17–1	4.0,3.7		
NIED	XII	09 10 17 31.6	29.33N	129.42E	17	4.2W,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=23.8km s-min=9.6km az=97.0.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.10 $M_{\theta\theta}$0.27 $M_{\phi\phi}$-0.16 $M_{r\theta}$1.21 $M_{\theta\phi}$1.31 $M_{\phi r}$1.61 NP1:ϕ_s104.00000°,δ29.00000°,λ-7.00000°. NP2:ϕ_s200.00000° ,δ86.00000°,λ-119.00000°. $M_0$2.25000×10^{15}

(228) Near east coast of eastern Honshu

ISC	**XII**	**10 03 49 34.1–2.0**	**38.57N–.08**	**142.1E–.10**	**30–12**	**3.5b**	**17**	**1-59**
NIED	XII	10 03 49 34.1	38.49N	142.15E	40	3.6W		**¶635661319**
JMA	XII	10 03 49 34.1–.06	38.5N–.20	142.2E–.20	40–0	3.6		
IDC	XII	10 03 49 36.9–1.8	39.14N	141.12E	0	3.8s,3.5b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.34 $M_{\theta\theta}$1.38 $M_{\phi\phi}$-0.04 $M_{r\theta}$1.72 $M_{\theta\phi}$0.63 $M_{\phi r}$2.12 NP1:ϕ_s93.00000°,δ19.00000°,λ-42.00000°. NP2:ϕ_s223.00000° ,δ77.00000°,λ-104.00000°. $M_0$3.12000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=47.3km s-min=15.9km az=110.0.

(235) Kyushu

ISC	**XII**	**10 23 42 30.4–2.4**	**32.8N–.10**	**130.98E–.08**	**12**		**8**	**0-56**
IDC	XII	10 23 42 28.2–1.5	32.90N	131.23E	0	3.4b,3.3		**¶621644152**
NIED	XII	10 23 42 31.0	32.96N	131.12E	8	3.7W,3.3		
JMA	XII	10 23 42 31.0–.03	32.96N–.09	131.1E–.10	8–0	3.7,3.3		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.94 $M_{\theta\theta}$2.65 $M_{\phi\phi}$-1.71 $M_{r\theta}$-1.72 $M_{\theta\phi}$2.25 $M_{\phi r}$0.52 NP1:ϕ_s203.00000°,δ57.00000°,λ-170.00000°. NP2:ϕ_s108.00000° ,δ82.00000°,λ-33.00000°. $M_0$3.65000×10^{14}
JMA Event type fe. NE KUMAMOTO PREF .

(238) Ryukyu Islands

ISC	**XII**	**11 00 43 10.4–1.5**	**28.01N–.04**	**128.05E–.04**	**4–10**	**4.0b,3.8s**	**67**	**1-92**
IDC	XII	11 00 43 09.9–.71	27.99N	127.91E	0	3.9,3.8b		**¶621644156**
NIED	XII	11 00 43 10.4	28.11N	128.05E	16	4.4W,3.8b		
JMA	XII	11 00 43 10.4–.23	28.1N–.40	128.1E–.50	16–2	4.3,3.9		
NEIC	XII	11 00 43 11.4–1.6	27.85N–.05	127.8E–.10	10–1	4.2b,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.90 $M_{\theta\theta}$3.26 $M_{\phi\phi}$-2.36 $M_{r\theta}$-1.89 $M_{\theta\phi}$0.05 $M_{\phi r}$-2.74 NP1:ϕ_s308.00000°,δ41.00000°,λ-13.00000°. NP2:ϕ_s47.00000° ,δ82.00000°,λ-131.00000°. $M_0$4.41000×10^{15}
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(238) Ryukyu Islands

ISC	**XII**	**11 07 09 27.4–.99**	**29.29N–.04**	**129.23E–.06**	**12–7**	**3.6b,3.3s**	**33**	**0-75**
JMA	XII	11 07 09 26.4–.26	29.4N–.70	129E–1.0	14–1	3.6,3.3s		**¶621644173**
IDC	XII	11 07 09 26.4–.88	29.31N	129.21E	0	3.7b,3.6		
NIED	XII	11 07 09 26.4	29.35N	129.13E	14	4.2W,3.6		

ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=29.1km s-min=13.1km az=100.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.88 $M_{\theta\theta}$2.04 $M_{\phi\phi}$-1.16 $M_{r\theta}$0.37 $M_{\theta\phi}$-1.04 $M_{\phi r}$-0.81 NP1:ϕ_s65.00000°,δ58.00000°,λ-161.00000°. NP2:ϕ_s325.00000° ,δ74.00000°,λ-33.00000°. $M_0$2.20000×10^{15}

(232) Western Honshu

ISC	**XII**	**11 07 59 45.3–1.1**	**35.22N–.03**	**135.22E–.03**	**7–8**	**3.7b**	**29**	**0-74**
IDC	XII	11 07 59 45.5–.79	35.34N	135.03E	0	4.0s,3.6b		**¶621644176**
JMA	XII	11 07 59 45.7–.03	35.21N–.08	135.2E–.10	15–0	3.7,3.6b		
NIED	XII	11 07 59 45.7	35.21N	135.17E	15	3.6W,3.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=9.1km az=156.0.
JMA Event type fe. MID KYOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.79 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-2.71 $M_{r\theta}$0.87 $M_{\theta\phi}$1.14 $M_{\phi r}$0.89 NP1:ϕ_s132.00000°,δ49.00000°,λ38.00000°. NP2:ϕ_s15.00000° ,δ62.00000°,λ132.00000°. $M_0$2.90000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**XII**	**11 11 53 48.3–.91**	**38.28N–.04**	**141.74E–.07**	**53–7**	**3.9b**	**76**	**0-146**
JMA	XII	11 11 53 48.8–.09	38.3N–.20	141.6E–.40	55–0	4.1,4.0		**¶621644186**
NIED	XII	11 11 53 48.8	38.33N	141.64E	55	3.8W,4.0		
IDC	XII	11 11 53 49.3–2.6	38.28N	141.70E	61–23	3.8,3.5L		
NEIC	XII	11 11 53 49.7–.81	38.36N–.05	141.8E–.10	64–7	4.1b,3.5L		

ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.67 $M_{\theta\theta}$-4.08 $M_{\phi\phi}$-1.60 $M_{r\theta}$-2.66 $M_{\theta\phi}$-2.48 $M_{\phi r}$-0.87 NP1:ϕ_s53.00000°,δ32.00000°,λ80.00000°. NP2:ϕ_s244.00000° ,δ58.00000°,λ96.00000°. $M_0$6.30000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(221) Kuril Islands

ISC	**XII**	**11 21 34 12.8–.33**	**43.25N–.04**	**146.41E–.04**	**41–2**	**4.7b,3.8s**	**515**	**1-150**
BGR	XII	11 21 34 09.0	42.68N	147.39E	33	4.4b,3.8s		**¶621644217**
BJI	XII	11 21 34 09.0	43.24N	146.94E	46	4.7s,4.5		
MOS	XII	11 21 34 12.0–.92	43.24N	146.40E	47	4.9b,4.5		
NIED	XII	11 21 34 13.8	43.26N	146.32E	46	4.5W,4.5		
JMA	XII	11 21 34 13.8–.14	43.3N–.40	146.3E–.90	46–1	4.7,4.5		
SKHL	XII	11 21 34 13.7–.00	43.20N	146.40E	55–2	5.6b,4.5		
GFZ	XII	11 21 34 13.1–.27	43N–4.0	147E–4.0	37–1	5.1b,4.9b		
IDC	XII	11 21 34 13.8–1.8	43.34N	146.33E	44–16	4.3,4.1b		
NEIC	XII	11 21 34 14.3–1.3	43.32N–.06	146.40E–.06	51–6	4.8b,4.1b		

ISC Event type ke.
BGR Event type ke.
MOS Event type fe. Felt (III) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk, Goryachiy Plyazh. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.89 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-0.97 $M_{r\theta}$5.17 $M_{\theta\phi}$-4.17 $M_{\phi r}$0.35 NP1:ϕ_s179.00000°,δ39.00000°,λ8.00000°. NP2:ϕ_s83.00000° ,δ85.00000°,λ128.00000°. $M_0$6.72000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region

ISC	**XII**	**11 22 31 23.2–.91**	**42.30N–.06**	**143.09E–.04**	**55–7**	**3.6b**	**36**	**0-65**
SKHL	XII	11 22 31 24.3–.40	42.20N	143.20E	49–6	4.8b		**¶621644224**
JMA	XII	11 22 31 24.0–.16	42.3N–.50	143.1E–.60	48–1	3.4		
IDC	XII	11 22 31 32.0–4.2	42.95N	142.25E	80–25	3.6,3.3b		

ISC Event type ke.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
IDC Error ellipse: s-maj=47.9km s-min=25.8km az=168.0.

(224) Hokkaido region

ISC	**XII**	**12 03 21 26.8–.28**	**44.46N–.03**	**140.98E–.03**	**256–2**	**4.7b**	**918**	**0-157**
BJI	XII	12 03 21 25.2	44.48N	140.92E	253	4.8b,4.7b		**¶621627632**
MOS	XII	12 03 21 25.9–.83	44.46N	140.97E	260	4.6b,4.7b		
NIED	XII	12 03 21 26.5	44.44N	141.01E	269	5.1W,4.7b		
JMA	XII	12 03 21 26.5–.24	44.4N–.80	141E–2.0	269–2	5.0W,4.8		
IDC	XII	12 03 21 26.9–.34	44.53N	140.98E	255–3	4.9,4.2b		
SKHL	XII	12 03 21 27.1–.30	44.50N	141.00E	265–5	6.2,5.5b		
GFZ	XII	12 03 21 27.1–.27	44N–3.0	141E–5.0	252–4	5.1b,5.0		
NEIC	XII	12 03 21 27.1–1.7	44.47N–.06	140.9E–.10	256–4	4.7b,5.0		
BGR	XII	12 03 21 29.7	45.45N	140.64E	239	5.1b,5.0		

ISC Event type ke.
MOS Error ellipse: s-maj=5.7km s-min=4.1km az=111.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.80 $M_{\theta\theta}$0.32 $M_{\phi\phi}$2.48 $M_{r\theta}$2.47 $M_{\theta\phi}$-2.46 $M_{\phi r}$-0.01 NP1:ϕ_s176.00000°,δ43.00000°,λ-40.00000°. NP2:ϕ_s297.00000° ,δ64.00000°,λ-126.00000°. $M_0$4.38000×10^{16}
JMA Event type fe. NW OFF HOKKAIDO .
IDC Error ellipse: s-maj=7.0km s-min=6.9km az=120.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.0km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

(227) Eastern Honshu

ISC	**XII**	**12 03 30 58.2–.30**	**36.13N–.03**	**139.87E–.03**	**58–2**	**5.1b,4.2s**	**1095**	**0-158**
BJI	XII	12 03 30 53.1	35.97N	140.15E	57	5.1b,4.9b		**¶621627634**
BGR	XII	12 03 30 56.6	36.05N	139.74E	33	5.3b,4.8s		
IDC	XII	12 03 30 58.0–1.1	36.07N	139.89E	56–9	4.9,4.7b		
MOS	XII	12 03 30 57.0–.96	36.19N	139.81E	57	5.4b,4.7b		
NEIC	XII	12 03 30 58.8–1.9	36.14N–.05	139.79E–.06	56–4	5.1b,4.9		
GFZ	XII	12 03 30 58.9–.22	36N–2.0	140E–3.0	57–1	5.6b,5.2b		
NEIC	XII	12 03 30 58.7	36.13N	139.82E	57	5.6b,5.2b		
NIED	XII	12 03 30 58.7	36.14N	139.85E	50	4.9W,5.2b		
JMA	XII	12 03 30 58.7–.07	36.1N–.20	139.9E–.20	50–0	5.0,5.0W		
NEIC	XII	12 03 30 58.7	36.13N	139.82E	57	5.0,5.0W		
GCMT	XII	12 03 31 00.8–.20	36.01N–.02	139.83E–.02	55–1	5.0W,5.0W		
NEIC	XII	12 03 31 03.4	36.13N	139.82E	60	4.9,5.0W		

ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=6.6km az=69.0.
MOS Error ellipse: s-maj=6.2km s-min=3.6km az=118.9.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.1km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.84 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$0.11 $M_{r\theta}$1.58 $M_{\theta\phi}$-0.52 $M_{\phi r}$1.53 NP1:ϕ_s54.73000°,δ70.18000°,λ72.96000°. NP2:ϕ_s276.84000°,δ25.91000° ,λ129.11000°. Principal axes: T 3.0005,Plg61.0000°,Azm299.0000°; N -0.1009,Plg16.0000° ,Azm61.0000°; P -2.8996,Plg23.0000°,Azm158.0000° $M_0$2.95000×10^{16}
GFZ Error ellipse: s-maj=5.8km s-min=4.4km az=117.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.08 $M_{\theta\theta}$-1.50 $M_{\phi\phi}$-0.58 $M_{r\theta}$1.56 $M_{\theta\phi}$-0.99 $M_{\phi r}$1.33 NP1:ϕ_s243.00000°,δ23.00000°,λ100.00000°. NP2:ϕ_s52.00000° ,δ67.00000°,λ86.00000°. $M_0$2.94000×10^{16}
JMA Event type fe. SW IBARAKI PREF .
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112120330A. Moment Tensor Solution. s53,c72; s101,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.41±.15 $M_{\theta\theta}$-2.83±.11; $M_{\phi\phi}$-0.57±.11; $M_{r\theta}$1.31±.08; $M_{\theta\phi}$-1.63±.08; $M_{\phi r}$1.38±.07; Best double couple: NP1:ϕ_s252.00000°,δ32.00000° ,λ106.00000°. NP2:ϕ_s53.00000°,δ59.00000°,λ80.00000°. Principal axes: T 3.9380,Plg74.0000°,Azm297.0000°; N 0.1840,Plg9.0000°,Azm58.0000° ; P -4.1210,Plg14.0000°,Azm150.0000° $M_0$4.03000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s5 Moment tensor: Scale 10^{16}Nm; M_{rr}2.77 $M_{\theta\theta}$-2.45 $M_{\phi\phi}$-0.32 $M_{r\theta}$0.81 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.27 NP1:ϕ_s271.81000°,δ35.95000° ,λ116.93000°. NP2:ϕ_s59.70000°,δ58.44000°,λ71.82000°. Principal axes: T 3.2827,Plg70.0000°,Azm288.0000°; N -0.5047,Plg15.0000°,Azm69.0000° ; P -2.7779,Plg12.0000°,Azm163.0000° $M_0$3.06000×10^{16}

(221) Kuril Islands

ISC	**XII**	**12 03 56 10.7–.58**	**44.60N–.04**	**148.36E–.05**	**69–4**	**4.6b**	**415**	**1-151**
SKHL	XII	12 03 56 08.6–.30	44.50N	148.60E	64–6	5.8b		**¶621627636**
MOS	XII	12 03 56 08.3–.99	44.53N	148.43E	65	4.7b		
BJI	XII	12 03 56 08.4	44.45N	148.55E	77	5.0b,4.8b		
NIED	XII	12 03 56 10.3	44.36N	148.00E	0	4.4W,4.8b		
JMA	XII	12 03 56 10.3–.55	44N–2.0	148E–3.0	0	5.1,4.4		
NEIC	XII	12 03 56 11.6–1.7	44.66N–.07	148.29E–.05	72–5	4.7b,4.4		
IDC	XII	12 03 56 11.0–1.8	44.66N	148.25E	71–15	4.4,4.1b		

ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=6.9km s-min=5.6km az=103.7. Felt (III) at Gornoye; (II-III) at Malokuril'skoye, Reydovo, Yuzhno-Kuril'sk. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.70 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.77 $M_{r\theta}$2.53 $M_{\theta\phi}$-1.70 $M_{\phi r}$3.86 NP1:ϕ_s238.00000°,δ9.00000°,λ116.00000°. NP2:ϕ_s32.00000° ,δ82.00000°,λ86.00000°. $M_0$4.83000×10^{15}
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=0.8km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.4km s-min=9.1km az=129.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**12 09 41 59.2–1.5**	**38.63N–.05**	**142.15E–.10**	**43–15**	**3.8b**	**34**	**1-89**
JMA	XII	12 09 41 58.6–.06	38.7N–.20	142.2E–.20	43–0	3.8		**¶621650492**
IDC	XII	12 09 42 00.6–2.3	38.62N	142.16E	59–20	3.7,3.5b		

ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=21.6km s-min=13.6km az=112.0.

(221) Kuril Islands

ISC	**XII**	**12 18 20 26.3–.83**	**50.23N–.05**	**157.14E–.04**	**90–7**	**4.2b**	**214**	**1-92**
KRSC	XII	12 18 20 24.7–2.4	50.18N	157.55E	60–31	5.0L		**¶621627827**
MOS	XII	12 18 20 25.6–1.1	50.22N	157.03E	99	4.3b		
NEIC	XII	12 18 20 26.7–1.6	50.26N–.08	157.0E–.10	93–7	4.5b		
IDC	XII	12 18 20 29.9–1.5	50.40N	156.81E	114–12	4.1,3.7b		

ISC Event type se.
KRSC Event type se. Felt [III-IV] at Severo-Kurilsk.
MOS Event type fe. Error ellipse: s-maj=9.4km s-min=4.1km az=82.3. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.3km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.8km s-min=9.5km az=150.0.

(238) Ryukyu Islands

ISC	**XII**	**13 01 53 04.6–1.0**	**29.33N–.03**	**129.44E–.05**	**12–7**	**3.9b**	**39**	**0-75**
IDC	XII	13 01 53 03.0–.81	29.33N	129.32E	0	3.8b,3.8		**¶621650545**
JMA	XII	13 01 53 04.4–.10	29.4N–.90	129E–1.0	14–2	3.5,3.8		
NEIC	XII	13 01 53 04.9–2.5	29.33N–.06	129.4E–.10	10–1	4.2b,3.8		

ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(671) Eastern Siberia

ISC	**XII**	**13 02 48 25.2–1.2**	**63.20N–.04**	**154.31E–.02**	**7–8**	**4.3b,3.7s**	**191**	**1-145**
MOS	XII	13 02 48 24.3–1.0	63.26N	154.18E	11	4.4b,3.7s		**¶621627932**
IDC	XII	13 02 48 25.0–.51	63.26N	154.32E	0	5.3L,4.0b		
NEIC	XII	13 02 48 25.9–1.6	63.22N–.06	154.2E–.20	10–1	4.4b,4.0b		
NERS	XII	13 02 48 27.3	62.99N	154.35E	19	4.4b,4.0b		

ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=14.6km s-min=7.0km az=82.2. Felt (II) at Seimchan. Moment Tensor Solution.
IDC Error ellipse: s-maj=14.1km s-min=8.5km az=144.0.

NEIC Event type se. Error ellipse: s-maj=19.6km s-min=2.9km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NERS Event type se.

(213) Volcano Islands region

ISC	**XII**	**14 05 55 10.4–.47**	**25.38N–.07**	**141.31E–.09**	**35**	**4.2b**	**105**	**1-151**
JMA	XII	14 05 55 10.6–.17	25N–1.0	141E–5.0	38	4.6		**¶621652885**
IDC	XII	14 05 55 11.5–.85	25.38N	141.21E	49–7	4.1,3.9b		
NEIC	XII	14 05 55 21.1–1.2	25.48N–.04	141.1E–.10	129–7	4.2b,3.9b		

ISC Event type ke.
JMA Event type fe. IOTO ISLANDS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(231) South Korea

ISC	**XII**	**14 08 19 15.0–.38**	**33.06N–.03**	**126.14E–.03**	**10**	**4.5s,4.4b**	**212**	**0-89**
NIED	XII	14 08 19 13.7	33.01N	126.05E	35	4.9W,4.4b		**¶621629156**
JMA	XII	14 08 19 13.7–.46	33N–1.0	126E–2.0	35	5.7,5.1		
IDC	XII	14 08 19 13.2–.52	33.07N	126.15E	0	4.3s,4.2b		
BJI	XII	14 08 19 13.7	33.03N	126.10E	9	5.4L,5.0s		
MOS	XII	14 08 19 13.0–1.1	33.05N	126.08E	11	4.5b,5.0s		
KMA	XII	14 08 19 14.7–.25	33.09N	126.16E	17–0	4.5b,5.0s		
EVBIB	XII	14 08 19 14	33.093N–.00	126.156E–.00	11–0	4.7W,5.0s		
GFZ	XII	14 08 19 15.1–.25	33N–3.0	126E–4.0	10	5.7,5.5L		
NEIC	XII	14 08 19 15.8–2.3	33.07N–.06	126.01E–.08	10–1	4.6b,5.5L		
KEA	XII	14 08 19 19.1	33.32N	125.96E	18	5.6L,5.5L		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.02 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-0.08 $M_{r\theta}$-1.52 $M_{\theta\phi}$1.86 $M_{\phi r}$-0.35 NP1:ϕ_s178.00000°,δ52.00000°,λ176.00000°. NP2:ϕ_s271.00000°,δ87.00000°,λ39.00000°. M_o2.41000×10^{16}
JMA Event type fe. S KOREAN PENINSULA REG .
IDC Error ellipse: s-maj=10.1km s-min=9.4km az=92.0.
MOS Error ellipse: s-maj=9.1km s-min=5.6km az=93.1.
KMA Error ellipse: s-maj=2.4km s-min=1.8km az=35.0.
EVBIB 3D velocity model. Song JH et al. 2022. Moment Tensor Solutions for Earthquakes in the Southern Korean Peninsula Using Three-Dimensional Seismic Waveform Simulations, Front. Earth Sci.,Sec. Solid Earth Geophysics. https://doi.org/10.3389/feart.2022.945022 (05 July 2022). Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.10±.02 $M_{\theta\theta}$0.31±.03; $M_{\phi\phi}$-0.21±.03; $M_{r\theta}$0.03±.02; $M_{\theta\phi}$1.60±.03; $M_{\phi r}$-0.17±.06;
GFZ Error ellipse: s-maj=8.6km s-min=5.7km az=119.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.8km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(337) Eastern Caucasus

ISC	**XII**	**14 15 31 38.8–.92**	**40.53N–.01**	**45.28E–.01**	**12–7**	**3.6b**	**230**	**0-51**
IDC	XII	14 15 31 37.0–.98	40.55N	45.43E	0	3.5b,3.4		**¶621629979**
NSSP	XII	14 15 31 37.7	40.50N	45.30E	10	3.4s,3.4		
MOS	XII	14 15 31 38.7–.64	40.47N	45.26E	11	4.2b,3.4		
TEH	XII	14 15 31 38.6	40.52N	45.27E	6	3.5L,3.4		
AZER	XII	14 15 31 38.3	40.53N	45.28E	3	3.8L,3.4		
TIF	XII	14 15 31 38.3	40.53N	45.27E	13–1	3.8L,3.4		
ISK	XII	14 15 31 41.9	40.37N	45.09E	5–0	3.2L,3.4		
AFAD	XII	14 15 31 41.5	40.45N	44.98E	2–2	3.1L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=14.4km s-min=11.8km az=152.0.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=4.9km az=79.8. Felt (III-IV) at Agartsin, Artanish, Drakhtik, Shorzha, Gandzakar; (III) at Chambarak, Gavar, Razdan, Idzhevan; (II-III) at Abovyan, Sevan. Moment Tensor Solution.
TEH Event type se. Presumed earthquake.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

(221) Kuril Islands

ISC	**XII**	**14 21 22 14.1–1.1**	**44.36N–.05**	**148.30E–.06**	**61–9**	**4.1b**	**114**	**1-151**
MOS	XII	14 21 22 11.7–1.0	44.39N	148.43E	53	4.4b		**¶621630101**
NIED	XII	14 21 22 12.4	44.11N	148.09E	0	3.9W		
JMA	XII	14 21 22 12.4–.48	44N–2.0	148E–3.0	0	4.8		
SKHL	XII	14 21 22 13.1–.30	44.40N	148.40E	58–7	5.1b		
NEIC	XII	14 21 22 15.6–1.4	44.6N–.10	148.1E–.10	65–6	4.2b		
IDC	XII	14 21 22 16.2–3.1	44.51N	148.22E	75–27	3.8,3.5b		

ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=10.0km s-min=9.3km az=75.0. Felt (II) at Gornoye. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.09 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$0.18 $M_{r\theta}$3.88 $M_{\theta\phi}$-1.99 $M_{\phi r}$6.16 NP1:ϕ_s275.00000°,δ13.00000°,λ153.00000°. NP2:ϕ_s31.00000°,δ84.00000°,λ78.00000°. M_o7.59000×10^{14}
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=12.0km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.2km s-min=16.2km az=139.0.

(327) Lake Baykal region

ISC	**XII**	**15 03 08 18.9–1.0**	**51.68N–.02**	**105.33E–.01**	**3–7**	**3.7b,3.2s**	**139**	**0-79**
MOS	XII	15 03 08 18.9–.95	51.72N	105.31E	10	4.0b,3.2s		**¶621630190**
IDC	XII	15 03 08 18.8–.84	51.74N	105.36E	0	3.7b,3.6		
BYKL	XII	15 03 08 20.1–.13	51.70N	105.30E	16–2	3.7b,3.6		

ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=7.2km s-min=5.7km az=60.5. Felt (III) at Irkutsk; (II-III) at Angarsk. Moment Tensor Solution.
IDC Error ellipse: s-maj=14.5km s-min=10.5km az=44.0.
BYKL Event type se. FELT I=III MSK at Irkutsk, Golubyye Yeli, Angarsk, II at Listvyanka.

(228) Near east coast of eastern Honshu

ISC	**XII**	**15 07 46 35.6–1.4**	**38.52N–.05**	**141.9E–.10**	**49–9**	**3.5b**	**29**	**0-62**
IDC	XII	15 07 46 26.8–1.7	38.67N	142.43E	0	3.5b,3.5		**¶621654088**
JMA	XII	15 07 46 36.6–.08	38.5N–.20	141.7E–.30	53–0	3.6,3.5		

ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .

(327) Lake Baykal region

ISC	**XII**	**15 13 44 52.3–.54**	**51.75N–.02**	**105.35E–.01**	**16–3**	**4.8b,4.1s**	**574**	**0-169**
IDC	XII	15 13 44 49.9–.41	51.72N	105.38E	0	4.3b,4.3		**¶621630739**
MOS	XII	15 13 44 50.5–1.0	51.68N	105.36E	14	4.9b,4.2s		
BJI	XII	15 13 44 50.0	51.74N	105.51E	9	4.9s,4.8b		
NEIC	XII	15 13 44 51.3–1.1	51.77N–.08	105.31E–.07	10–1	4.9b,4.8b		
BYKL	XII	15 13 44 51.8–.14	51.71N	105.33E	17–2	4.9b,4.8b		
GCMT	XII	15 13 44 52.9–.30	51.76N–.03	105.23E–.05	22–1	4.8W,4.8b		
GFZ	XII	15 13 44 53.6–.26	52N–4.0	105E–4.0	10	5.5L,5.4b		
BGR	XII	15 13 45 07.5	52.92N	104.02E	31	5.0b,4.4s		

ISC Event type ke.
IDC Error ellipse: s-maj=9.6km s-min=7.6km az=30.0.
MOS Event type fe. Error ellipse: s-maj=4.5km s-min=4.4km az=47.7. Felt (V) at Tankhoy; (IV-V) at Babushkin; (IV) at Irkutsk, Sotnikovo, Slyudyanka, Angarsk, Kyakhta, Baklashi; (III-IV) at Ulan-Ude, Zalari, Granovshchina, Zyryansk, Osa, Petrovsk-Zabaykalskiy, Zakamensk, Markova, Shelekhov; (III) at Shigayevo, Mikhaylovka, Bratsk, Kamensk, Tyrgan. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.3km az=357.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se. FELT I=V MSK at Mishikha, Tankhoi; IV-V at Klyuevka, Babushkin; IV at Irkutsk, Angarsk, Kyakhta, Slyudyanka; III-IV at Shelekhov, Ulan-Ude, Zakamensk; III at Kamensk, Typgan, Bratsk; II-III at Shumak.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112151344A. Moment Tensor Solution. s23,c25; s83,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.74±.18 $M_{\theta\theta}$1.28±.12; $M_{\phi\phi}$0.45±.10; $M_{r\theta}$0.13±.19; $M_{\theta\phi}$1.00±.05; $M_{\phi r}$0.46±.17; Best double couple: NP1:ϕ_s67.00000°,δ40.00000°,λ-74.00000°. NP2:ϕ_s226.00000°,δ52.00000°,λ-104.00000°. Principal axes: T 1.9830,Plg6.0000°,Azm325.0000°; N -0.1510,Plg11.0000°,Azm234.0000°; P -1.8340,Plg78.0000°,Azm83.0000° M_o1.90900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.

(228) Near east coast of eastern Honshu

ISC	**XII**	**15 18 01 19.7–.80**	**36.73N–.05**	**141.4E–.10**	**40–7**	**3.7b**	**28**	**1-147**
JMA	XII	15 18 01 19.6–.07	36.7N–.20	141.4E–.30	43–0	4.0,3.9		**¶621654132**
NIED	XII	15 18 01 19.6	36.74N	141.39E	43	3.8W,3.9		
IDC	XII	15 18 01 20.2–2.0	36.69N	141.43E	46–19	3.7,3.6L		

ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.09 $M_{\theta\theta}$3.21 $M_{\phi\phi}$-2.11 $M_{r\theta}$3.93 $M_{\theta\phi}$-0.74 $M_{\phi r}$3.58 NP1:ϕ_s134.00000°,δ28.00000°,λ-11.00000°. NP2:ϕ_s234.00000°,δ85.00000°,λ-118.00000°. M_o6.05000×10^{14}
IDC Error ellipse: s-maj=18.3km s-min=11.5km az=74.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**16 01 48 55.7–1.8**	**38.42N–.05**	**142.23E–.07**	**14–10**	**3.7b**	**27**	**1-89**
JMA	XII	16 01 48 59.2–.06	38.5N–.20	142.2E–.20	41–0	3.8		**¶621655743**
NIED	XII	16 01 48 59.2	38.49N	142.15E	41	3.6W		
IDC	XII	16 01 49 00.9–3.4	38.42N	142.21E	54–31	3.7,3.4b		

ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.92 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-0.22 $M_{r\theta}$1.70 $M_{\theta\phi}$0.69 $M_{\phi r}$2.36 NP1:ϕ_s98.00000°,δ18.00000°,λ-31.00000°. NP2:ϕ_s218.00000°,δ81.00000°,λ-105.00000°. M_o3.17000×10^{14}
IDC Error ellipse: s-maj=25.9km s-min=18.1km az=97.0.

(230) Near south coast of eastern Honshu

ISC	**XII**	**16 08 02 44.8–.92**	**35.76N–.04**	**139.96E–.04**	**47–9**	**4.2b**	**54**	**1-84**
IDC	XII	16 08 02 36.5–2.0	35.50N	140.10E	0	3.8,3.7b		**¶621631476**
JMA	XII	16 08 02 45.0–.08	35.8N–.20	139.9E–.30	51–0	3.5,3.7b		
NIED	XII	16 08 02 45.0	35.82N	139.93E	51	3.7W,3.7b		
NEIC	XII	16 08 02 45.6–1.1	35.73N–.06	139.93E–.05	57–11	4.2b,3.7b		

ISC Event type ke.
JMA Event type fe. NORTHERN CHIBA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.75 $M_{\theta\theta}$1.89 $M_{\phi\phi}$-3.63 $M_{r\theta}$1.59 $M_{\theta\phi}$1.64 $M_{\phi r}$2.23 NP1:ϕ_s127.00000°,δ47.00000°,λ22.00000°. NP2:ϕ_s21.00000°,δ74.00000°,λ134.00000°. M_o4.48000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(238) Ryukyu Islands

ISC	**XII**	**16 19 36 06.8–.65**	**27.70N–.03**	**128.62E–.04**	**70–6**	**4.0b**	**103**	**0-84**
NIED	XII	16 19 36 06.9	27.80N	128.52E	63	4.1W		**¶621655805**
JMA	XII	16 19 36 06.9–.12	27.8N–1.0	129E–2.0	63–2	4.3,4.0		
NEIC	XII	16 19 36 07.5–1.9	27.73N–.04	128.51E–.09	70–7	4.2b,4.0		
IDC	XII	16 19 36 07.3–.60	27.71N	128.42E	71–7	3.9,3.6b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.54 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$1.13 $M_{r\theta}$1.28 $M_{\theta\phi}$-0.89 $M_{\phi r}$0.30 NP1:ϕ_s193.00000°,δ55.00000°,λ-25.00000°. NP2:ϕ_s298.00000°,δ70.00000°,λ-143.00000°. M_o1.81000×10^{15}
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=5.1km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.6km s-min=9.2km az=100.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**17 05 39 47.4–1.1**	**37.64N–.05**	**141.74E–.08**	**71–9**	**4.2b**	**62**	**1-90**
NEIC	XII	17 05 39 47.9–1.7	37.70N–.06	141.67E–.04	67–9	4.3b		**¶621656914**
IDC	XII	17 05 39 47.6–2.5	37.63N	141.78E	79–21	3.9,3.6b		
NIED	XII	17 05 39 48.3	37.67N	141.55E	81	3.7W,3.6b		
JMA	XII	17 05 39 48.3–.08	37.7N–.20	141.6E–.20	81–0	4.0,3.8		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.46 $M_{\theta\theta}$0.60 $M_{\phi\phi}$2.86 $M_{r\theta}$1.80 $M_{\theta\phi}$0.51 $M_{\phi r}$2.22 NP1:ϕ_s3.00000°,δ26.00000°,λ-113.00000°. NP2:ϕ_s208.00000°,δ66.00000°,λ-79.00000°. M_o4.28000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .

(228) Near east coast of eastern Honshu

ISC	**XII**	**19 08 54 19.9–1.1**	**38.39N–.05**	**142.02E–.08**	**59–8**	**4.2b**	**76**	**0-146**
IDC	XII	19 08 54 19.5–2.0	38.48N	142.04E	56–18	3.8,3.7L		**¶621657069**
JMA	XII	19 08 54 20.6–.06	38.4N–.20	141.9E–.20	63–0	4.1,3.8		
NEIC	XII	19 08 54 20.2–.83	38.42N–.08	142.1E–.10	54–10	4.3b,3.8		
NIED	XII	19 08 54 20.6	38.43N	141.92E	63	3.7W,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=11.7km az=121.0.
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.7km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.82 $M_{\theta\theta}$-3.00 $M_{\phi\phi}$0.18 $M_{r\theta}$2.53 $M_{\theta\phi}$-1.75 $M_{\phi r}$-2.29 NP1:ϕ_s219.00000°,δ41.00000°,λ36.00000°. NP2:ϕ_s101.00000°,δ67.00000°,λ125.00000°. M_o4.72000×10^{14}

(227) Eastern Honshu

ISC	**XII**	**19 18 02 18.7–.92**	**36.24N–.05**	**139.78E–.05**	**61–7**	**3.5b**	**28**	**0-60**
JMA	XII	19 18 02 18.9–.07	36.2N–.20	139.8E–.20	58–0	3.4		**¶621657089**
IDC	XII	19 18 02 19.6–2.0	36.14N	139.62E	67–15	3.6,3.2b		

ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=31.3km s-min=9.8km az=62.0.

(224) Hokkaido region

ISC	**XII**	**20 16 05 25.6–.22**	**42.36N–.02**	**142.65E–.02**	**43–1**	**5.0b,3.9s**	**1038**	**0-155**
BJI	XII	20 16 05 22.2	42.20N	142.85E	45	5.2b,4.9b		**¶621634790**
BGR	XII	20 16 05 23.9–8.6	42.50N	142.50E	33	4.9b,4.1s		
SKHL	XII	20 16 05 24.8–.30	42.20N	142.60E	62–6	6.1b,4.1s		
NEIC	XII	20 16 05 25.7–.84	42.39N–.05	142.67E–.07	41–5	5.1b,4.1s		
IDC	XII	20 16 05 25.4–1.1	42.35N	142.66E	39–9	4.8,4.5b		
MOS	XII	20 16 05 25.0–.89	42.39N	142.63E	51	5.2b,4.5b		
NIED	XII	20 16 05 26.1	42.39N	142.66E	39	4.7W,4.5b		
GFZ	XII	20 16 05 26.5–.15	42N–2.0	143E–2.0	45–1	5.5b,5.0b		
JMA	XII	20 16 05 26.1–.18	42.4N–.60	142.7E–.70	39–1	4.8,4.8W		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.86 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-0.63 $M_{r\theta}$-0.39 $M_{\theta\phi}$0.63 $M_{\phi r}$-0.62 NP1:ϕ_s297.00000°,δ45.00000°,λ43.00000°. NP2:ϕ_s173.00000°,δ61.00000°,λ126.00000°. M_o1.22000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type fe. HIDAKA REGION .

(224) Hokkaido region

ISC	**XII**	**21 02 53 15.1–.23**	**43.78N–.03**	**145.94E–.03**	**97–1**	**5.2b**	**1429**	**0-153**
BGR	XII	21 02 53 12.6	44.25N	145.55E	97	5.3b,4.0s		**¶621635029**
BJI	XII	21 02 53 13.5	43.82N	145.81E	89	5.5b,5.4b		
MOS	XII	21 02 53 14.4–.90	43.75N	145.95E	105	5.3b,3.9s		
IDC	XII	21 02 53 15.8–.43	43.87N	145.96E	99–3	5.2,4.9b		
JMA	XII	21 02 53 15.8–.16	43.7N–.50	146.1E–.90	96–1	5.0,4.9W		
NIED	XII	21 02 53 15.8	43.73N	146.05E	96	4.9W,4.9W		
NEIC	XII	21 02 53 15.2–1.2	43.82N–.05	145.89E–.10	93–4	5.2b,4.9		
GFZ	XII	21 02 53 16.3–.41	44N–2.0	146E–2.0	99–3	5.7b,5.4b		
SKHL	XII	21 02 53 16.0–.50	43.70N	146.00E	107–3	6.5,6.0b		
GCMT	XII	21 02 53 18.2–.20	43.78N–.02	145.96E–.02	107–3	5.0W,6.0b		

ISC Event type ke.
BGR Event type ke.
MOS Event type fe. Felt (IV) at Yuzhno-Kuril'sk, Goryachiy Plyazh, Golovnino, (III) at Malokuril'skoye, Mendeleevo. Moment Tensor Solution.
JMA Event type fe. NEAR KUNASHIRI ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.70 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-1.28 $M_{r\theta}$-1.12 $M_{\theta\phi}$0.02 $M_{\phi r}$-1.99 NP1:ϕ_s324.00000°,δ20.00000°,λ28.00000°. NP2:ϕ_s208.00000°,δ81.00000°,λ108.00000°. M_o2.53000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112210253A. Moment Tensor Solution. s36,c44; s102,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.10 $M_{\theta\theta}$1.55±.10; $M_{\phi\phi}$-2.01±.11; $M_{r\theta}$-1.28±.06; $M_{\theta\phi}$0.36±.12; $M_{\phi r}$-2.44±.06; Best double couple: NP1:ϕ_s309.00000°,δ32.00000°

,λ10.00000°. NP2:ϕ_p211.00000°,δ85.00000°,λ121.00000°. Principal axes:
T 3.0600,Plg42.0000°,Azm151.0000°; N 0.4790,Plg31.0000°,Azm28.0000°
; P -3.5360,Plg32.0000°,Azm275.0000° $M_0$3.29800×10^{16}

(234) Northwest of Ryukyu Islands

ISC	**XII**	**22 07 07 02.1–.35**	**26.99N–.03**	**126.71E–.03**	**21–3**	**4.5b,4.4s**	**161**	**1-133**
NIED	XII	22 07 06 57.9	27.11N	126.59E	18	4.8W,4.4s		**¶635669879**
JMA	XII	22 07 06 57.9–.34	27.1N–.90	127E–1.0	18–3	4.8,4.1		
IDC	XII	22 07 06 58.4–.61	26.92N	126.50E	0	4.3s,4.1b		
NEIC	XII	22 07 07 00.2–2.5	26.80N–.06	126.65E–.05	10–1	4.9b,4.1b		
GCMT	XII	22 07 07 02.1–.40	27.03N–.02	126.61E–.03	12	4.9W,4.1b		
BJI	XII	22 07 07 08.5	26.92N	126.76E	109	4.9b,4.5b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.90 $M_{\theta\theta}$0.98 $M_{\phi\phi}$-0.08 $M_{r\theta}$-0.04 $M_{\theta\phi}$1.42 $M_{\phi r}$-1.11 NP1:ϕ_s273.00000°,δ49.00000°,λ-25.00000°. NP2:ϕ_s20.00000°
,δ71.00000°,λ-136.00000°. M_o2.02000×10^{16}

JMA Event type fe. NW OFF OKINAWAJIMA IS .

IDC Error ellipse: s-maj=13.9km s-min=12.3km az=37.0.

NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.1km az=182.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112220707A. Moment Tensor Solution. s10,c10; s79,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44±.13 $M_{\theta\theta}$1.62±.12; $M_{\phi\phi}$-1.17±.13; $M_{r\theta}$-0.66±.35; $M_{\theta\phi}$2.28±.08; $M_{\phi r}$-1.33±.38; Best double couple: NP1:ϕ_s286.00000°,δ61.00000°
,λ-3.00000°. NP2:ϕ_s17.00000°,δ88.00000°,λ-151.00000°. Principal axes:
T 3.3090,Plg19.0000°,Azm148.0000°; N -0.5150,Plg61.0000°,Azm21.0000°
; P -2.7870,Plg22.0000°,Azm246.0000° $M_0$3.04800×10^{16}

(228) Near east coast of eastern Honshu

ISC	**XII**	**22 21 53 52.9–1.1**	**40.96N–.05**	**142.36E–.06**	**55–9**	**4.3b,3.2s**	**121**	**1-80**
JMA	XII	22 21 53 51.7–.09	41.0N–.40	142.4E–.40	47–0	4.3,4.0		**¶621648298**
NIED	XII	22 21 53 51.7	40.99N	142.39E	47	4.0W,4.0		
IDC	XII	22 21 53 53.2–1.9	41.00N	142.49E	62–15	4.0,3.7b		
NEIC	XII	22 21 53 53.2–1.2	41.02N–.07	142.32E–.06	51–7	4.4b,3.7b		

ISC Event type ke.

JMA Event type fe. E OFF AOMORI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.01 $M_{\theta\phi}$0.09 $M_{\phi r}$0.89 NP1:ϕ_s165.00000°,δ19.00000°,λ78.00000°. NP2:ϕ_s358.00000°
,δ72.00000°,λ94.00000°. M_o1.11000×10^{15}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**XII**	**23 08 45 20.6–.45**	**35.55N–.04**	**141.12E–.06**	**33**	**4.4b,3.5s**	**137**	**0-152**
MOS	XII	23 08 45 18.9–1.1	35.55N	141.17E	34	4.7b,3.5s		**¶621648368**
IDC	XII	23 08 45 21.9–1.3	35.54N	141.02E	40–12	4.1,3.8b		
NIED	XII	23 08 45 21.7	35.54N	140.98E	33	4.4W,3.8b		
JMA	XII	23 08 45 21.7–.11	35.5N–.40	141.0E–.40	33–1	4.2,3.6		
NEIC	XII	23 08 45 22.3–1.2	35.62N–.04	141.1E–.10	43–6	4.5b,3.6		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.25 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.12 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.24 $M_{\phi r}$3.61 NP1:ϕ_s245.00000°,δ20.00000°,λ150.00000°. NP2:ϕ_s4.00000°
,δ80.00000°,λ73.00000°. M_o4.00000×10^{15}

JMA Event type fe. NEAR CHOSHI CITY .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(227) Eastern Honshu

ISC	**XII**	**25 00 30 58.6–.87**	**37.06N–.03**	**139.91E–.04**	**10–6**	**3.4b**	**28**	**0-91**
IDC	XII	25 00 30 56.7–.79	37.00N	140.02E	0	3.5L,3.5		**¶621700125**
JMA	XII	25 00 30 58.5–.04	37.1N–.10	139.9E–.20	8–0	4.0,3.5		
NIED	XII	25 00 30 58.5	37.06N	139.86E	8	3.6W,3.5		

ISC Event type ke.

IDC Error ellipse: s-maj=16.9km s-min=12.5km az=123.0.

JMA Event type fe. NORTHERN TOCHIGI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.00 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.35 $M_{r\theta}$1.31 $M_{\theta\phi}$-2.21 $M_{\phi r}$-0.32 NP1:ϕ_s187.00000°,δ55.00000°,λ20.00000°. NP2:ϕ_s85.00000°
,δ73.00000°,λ143.00000°. M_o2.73000×10^{14}

(238) Ryukyu Islands

JMA	**XII**	**25 04 37 17.6–.11**	**30.0N–.40**	**130.5E–.40**	**19–1**	**3.7**		
NIED	XII	25 04 37 17.6	29.97N	130.54E	19	3.9W		**¶635671652**

JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.26 $M_{\theta\theta}$-2.01 $M_{\phi\phi}$2.27 $M_{r\theta}$-0.91 $M_{\theta\phi}$-5.79 $M_{\phi r}$-4.76 NP1:ϕ_s101.00000°,δ52.00000°,λ-178.00000°. NP2:ϕ_s10.00000°
,δ89.00000°,λ-38.00000°. M_o7.85000×10^{14}

(224) Hokkaido region

ISC	**XII**	**25 10 40 39.8–.48**	**44.01N–.04**	**145.67E–.04**	**130–4**	**4.3b**	**168**	**0-83**
MOS	XII	25 10 40 38.8–.92	44.08N	145.68E	138	4.2b		**¶621653366**
JMA	XII	25 10 40 40.4–.20	44.0N–.70	146E–1.0	127–1	3.8		
SKHL	XII	25 10 40 40.1–.10	44.00N	145.60E	131–1	5.8,5.1b		
NEIC	XII	25 10 40 40.2–1.1	44.14N–.07	145.61E–.08	126–7	4.3b,5.1b		
IDC	XII	25 10 40 40.2–.77	44.14N	145.62E	128–7	4.2s,4.0		

ISC Event type ke.

MOS Error ellipse: s-maj=9.8km s-min=7.8km az=83.9.

JMA Event type fe. NEAR KUNASHIRI ISLAND .

NEIC Event type se. Error ellipse: s-maj=13.2km s-min=2.1km az=141.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=18.1km s-min=10.6km az=169.0.

(224) Hokkaido region

ISC	**XII**	**25 19 46 11.2–.91**	**43.09N–.06**	**145.68E–.05**	**44–6**	**3.8b**	**62**	**0-84**
IDC	XII	25 19 46 02.7–1.9	42.59N	145.79E	0	3.9L,3.7b		**¶621700170**
JMA	XII	25 19 46 10.6–.09	43.0N–.30	145.7E–.40	45–1	3.9,3.7b		
NIED	XII	25 19 46 10.6	43.01N	145.71E	45	3.7W,3.7b		
SKHL	XII	25 19 46 11.6–.30	43.10N	145.70E	38–6	4.9b,3.7b		
NEIC	XII	25 19 46 12.6–.95	43.2N–.10	145.6E–.10	52–8	4.1b,3.7b		

ISC Event type ke.

JMA Event type fe. OFF NEMURO PENINSULA .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.87 $M_{\theta\theta}$-1.93 $M_{\phi\phi}$-1.94 $M_{r\theta}$1.85 $M_{\theta\phi}$-2.06 $M_{\phi r}$-0.47 NP1:ϕ_s207.00000°,δ41.00000°,λ59.00000°. NP2:ϕ_s65.00000°
,δ55.00000°,λ114.00000°. M_o4.35000×10^{14}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(246) Southwestern Ryukyu Islands

ISC	**XII**	**26 08 26 48.3–.18**	**25.19N–.02**	**125.66E–.02**	**27**	**5.7s,5.6b**	**1546**	**0-175**
BJI	XII	26 08 26 43.2	24.96N	125.87E	22	6.1s,6.1		**¶621653500**
IDC	XII	26 08 26 44.4–.29	25.18N	125.46E	0	5.6s,5.3b		
BGR	XII	26 08 26 45.4	24.70N	125.76E	33	6.3,6.2s		
GFZ	XII	26 08 26 46.8	25.22N	125.60E	15	5.8W,6.2s		
IPGP	XII	26 08 26 46.0	25.23N	125.59E	27	5.9W,6.2s		
MOS	XII	26 08 26 46.1–1.1	25.23N	125.61E	23	5.9s,5.7b		
NEIC	XII	26 08 26 46.7	25.21N	125.59E	10	5.9s,5.7b		
NEIC	XII	26 08 26 46.7	25.21N	125.59E	10	5.9s,5.7b		
NEIC	XII	26 08 26 47.6–1.1	25.21N–.07	125.60E–.06	19–3	5.8b,5.7		
GFZ	XII	26 08 26 47.2–.15	25N–2.0	126E–2.0	10	5.9b,5.9		
PTWC	XII	26 08 26 47	24.80N	125.80E		6.3,5.9		
ISC-P	XII	26 08 26 47	25.21N	125.60E	28–0	6.2,5.9		
JMA	XII	26 08 26 47.2–.15	25.1N–.80	125.6E–.80	39–2	6.1,5.9W		
NIED	XII	26 08 26 47.2	25.14N	125.63E	39	5.9W,5.9W		
GCMT	XII	26 08 26 49.6–.10	25.13N	125.56E	22–0	5.9W,5.9W		
KEA	XII	26 08 26 53.5	25.28N	125.76E	33	5.7s,5.9W		
NEIC	XII	26 08 26 57.8	25.21N	125.59E	26	5.9,5.9W		

ISC Event type ke.

IDC Error ellipse: s-maj=9.5km s-min=7.2km az=99.0.

BGR Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-5.37 $M_{\theta\theta}$0.61 $M_{\phi\phi}$4.76 $M_{r\theta}$-1.43 $M_{\theta\phi}$-2.52 $M_{\phi r}$-0.85 NP1:
ϕ_s138.15590°,δ46.74783°,λ-114.08246°. NP2:ϕ_p351.27180°,δ48.32157°,λ-66.55179°.
Principal axes: T 5.9483,Plg0.8209°,Azm64.9280°; N -0.0589,Plg17.2896°,Azm155.1835°
; P -5.8894,Plg72.6897°,Azm332.2929° $M_0$5.91908×10^{17}

IPGP Moment Tensor Solution. NP1:ϕ_s338.00000°,δ36.00000°,λ-86.00000°. NP2:ϕ_s153.00000°
,δ54.00000°,λ-93.00000°.

MOS Error ellipse: s-maj=6.0km s-min=3.4km az=113.8.

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.5km az=157.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.61 $M_{\theta\theta}$1.18 $M_{\phi\phi}$3.42 $M_{r\theta}$-0.71 $M_{\theta\phi}$-2.51 $M_{\phi r}$1.33 NP1:ϕ_s148.55000°,δ53.66000°,λ-88.09000°. NP2:ϕ_s325.33000°
,δ36.38000°,λ-92.60000°. Principal axes: T 5.2796,Plg9.0000°,Azm237.0000°
; N -0.4430,Plg2.0000°,Azm327.0000°; P -4.8366,Plg81.0000°,Azm67.0000°
$M_0$5.07000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC-P Moment Tensor Solution. s43 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.56±.13 $M_{\theta\theta}$-0.10±.16; $M_{\phi\phi}$0.69±.17; $M_{r\theta}$-0.17±.22; $M_{\theta\phi}$-0.26±.27; $M_{\phi r}$0.05±.14; NP1:ϕ_s18.10000°,δ58.40000°
,λ287.30000°. NP2:ϕ_s167.40000°,δ35.60000°,λ-115.90000°. M_o2.24000×10^{18}

JMA Event type fe. NEAR MIYAKOJIMA ISLAND .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-6.19 $M_{\theta\theta}$1.09 $M_{\phi\phi}$5.10 $M_{r\theta}$-2.49 $M_{\theta\phi}$-2.74 $M_{\phi r}$0.59 NP1:ϕ_s349.00000°,δ40.00000°,λ-65.00000°. NP2:ϕ_s137.00000°
,δ55.00000°,λ-110.00000°. M_o6.84000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112260826A. Moment Tensor Solution. s155,c333; s164,c519;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.78±.01 $M_{\theta\theta}$0.18±.00; $M_{\phi\phi}$0.59±.01; $M_{r\theta}$-0.05±.01; $M_{\theta\phi}$-0.38±.00; $M_{\phi r}$0.34±.01; Best double couple: NP1:ϕ_s320.00000°,δ35.00000°,λ-105.00000°. NP2:ϕ_s158.00000°,δ57.00000°,λ-80.00000°. Principal axes: T 0.8810,Plg11.0000°,Azm241.0000°; N -0.0180,Plg8.0000°,Azm333.0000°
; P -0.8630,Plg76.0000°,Azm99.0000° $M_0$0.87200×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-7.47 $M_{\theta\theta}$2.33 $M_{\phi\phi}$5.13 $M_{r\theta}$-1.38 $M_{\theta\phi}$-3.31 $M_{\phi r}$1.28 NP1:ϕ_s329.68000°,δ38.12000°
,λ-84.91000°. NP2:ϕ_s143.22000°,δ52.05000°,λ-93.99000°. Principal axes:
T 7.5521,Plg7.0000°,Azm236.0000°; N 0.1624,Plg3.0000°,Azm146.0000°
; P -7.7145,Plg82.0000°,Azm32.0000° $M_0$7.63000×10^{17}

(246) Southwestern Ryukyu Islands

ISC	**XII**	**26 09 17 02.9–.43**	**25.06N–.04**	**125.71E–.04**	**38–1**	**4.8b,4.0s**	**288**	**0-94**
JMA	XII	26 09 17 01.1–.13	25.2N–.70	125.6E–.60	37–1	4.9,4.6		**¶635672336**
GFZ	XII	26 09 17 01.7–.22	25N–3.0	126E–3.0	10	4.8L,4.8		
NEIC	XII	26 09 17 01.0–.76	25.07N–.08	125.68E–.07	22–5	5.0b,4.6		
NIED	XII	26 09 17 01.1	25.18N	125.63E	37	4.6W,4.6		
BJI	XII	26 09 17 02.1	24.80N	125.71E	52	4.8b,4.5s		
IDC	XII	26 09 17 04.4–1.9	25.25N	125.60E	49–19	4.2,4.0L		
BGR	XII	26 09 17 06.8	24.55N	123.66E	33	4.8b,4.0L		

ISC Event type ke.

JMA Event type fe. NEAR MIYAKOJIMA ISLAND .

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.7km az=155.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-6.52 $M_{\theta\theta}$-1.45 $M_{\phi\phi}$7.98 $M_{r\theta}$-1.44 $M_{\theta\phi}$-3.32 $M_{\phi r}$2.01 NP1:ϕ_s353.00000°,δ37.00000°,λ-74.00000°. NP2:ϕ_s154.00000°
,δ54.00000°,λ-102.00000°. M_o8.19000×10^{15}

IDC Error ellipse: s-maj=14.8km s-min=10.9km az=80.0.

BGR Event type ke.

(212) Bonin Islands region

ISC	**XII**	**26 13 40 59.0–.50**	**28.02N–.04**	**141.45E–.05**	**69–4**	**4.9b**	**462**	**1-151**
IDC	XII	26 13 40 58.7–.68	27.92N	141.36E	70–7	4.6,4.3b		**¶621653660**
JMA	XII	26 13 40 59.4–.09	28.1N–.60	142E–3.0	65	4.9,4.9		
NEIC	XII	26 13 40 60.0–1.3	28.02N–.05	141.55E–.09	74–5	4.9b,4.9		
NIED	XII	26 13 40 59.4	28.14N	141.95E	65	4.5W,4.9		
GFZ	XII	26 13 41 01.9–.59	28N–4.0	142E–4.0	90–5	5.7b,5.2		

ISC Event type ke.

JMA Event type fe. NEAR CHICHIJIMA ISLAND .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.49 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$2.67 $M_{r\theta}$-4.81 $M_{\theta\phi}$-2.41 $M_{\phi r}$-1.87 NP1:ϕ_s3.00000°,δ46.00000°,λ-22.00000°. NP2:ϕ_s108.00000°
,δ74.00000°,λ-134.00000°. M_o5.52000×10^{15}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(246) Southwestern Ryukyu Islands

ISC	**XII**	**26 16 17 57.2–1.6**	**25.17N–.07**	**125.68E–.07**	**7–11**	**3.6b**	**27**	**0-85**
IDC	XII	26 16 17 56.0–.87	25.04N	125.24E	0	3.6b,3.6		**¶635672642**
JMA	XII	26 16 17 59.5–.09	25.1N–.50	125.6E–.40	37–1	4.2,4.0		

ISC Event type ke.

JMA Event type fe. NEAR MIYAKOJIMA ISLAND .

(224) Hokkaido region

ISC	**XII**	**26 19 40 05.5–.53**	**41.95N–.03**	**142.36E–.03**	**68–5**	**4.6b**	**391**	**0-152**
BGR	XII	26 19 39 58.2	41.93N	144.77E	33	4.5b		**¶621653682**
JMA	XII	26 19 40 05.0–.23	42.0N–.90	142.3E–.90	71–2	4.3,4.2		
NEIC	XII	26 19 40 05.1–1.8	41.94N–.06	142.31E–.06	66–5	4.6b,4.2		
GFZ	XII	26 19 40 06.5–.34	42N–4.0	142E–6.0	70	6.3b,6.0		
IDC	XII	26 19 40 06.6–1.3	41.98N	142.33E	72–10	4.4,4.1b		

ISC Event type ke.

BGR Event type ke.

JMA Event type fe. S OFF URAKAWA .

NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

IDC Error ellipse: s-maj=12.7km s-min=8.8km az=118.0.

(213) Volcano Islands region

ISC	**XII**	**27 00 11 49.6–.31**	**22.76N–.03**	**143.13E–.05**	**125–2**	**5.1b**	**873**	**4-150**
BJI	XII	27 00 11 46.2	22.73N	143.34E	118	5.3b,5.2b		**¶621653694**
GFZ	XII	27 00 11 49.9–.13	23N–2.0	143E–3.0	121	5.5b,5.2b		
MOS	XII	27 00 11 49.7–.85	22.72N	143.04E	137	5.1b,5.2b		
NEIC	XII	27 00 11 49.0–1.3	22.74N–.07	143.1E–.10	113–4	5.2,5.1b		
IDC	XII	27 00 11 50.3–.45	22.69N	143.07E	131–3	5.0,4.6b		
JMA	XII	27 00 11 50.9–.36	23N–1.0	143E–2.0	154–4	5.4,4.6b		
GCMT	XII	27 00 11 52.3–.20	22.78N–.01	143.25E–.02	133–2	5.0W,4.6b		

ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. IOTO ISLANDS REGION .

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112270011A. Moment Tensor Solution. s45,c52; s119,c185; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.81±.12 $M_{\theta\theta}$1.45±.14; $M_{\phi\phi}$-2.26±.13; $M_{r\theta}$-3.36±.09; $M_{\theta\phi}$-1.19±.13; $M_{\phi r}$-1.66±.09; Best double couple: NP1:ϕ_s338.00000°
,δ31.00000°,λ12.00000°. NP2:ϕ_s238.00000°,δ84.00000°,λ120.00000°. Principal axes:
T 4.5150,Plg43.0000°,Azm177.0000°; N -0.2290,Plg30.0000°,Azm54.0000°
; P -4.2840,Plg32.0000°,Azm303.0000° $M_0$4.40000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**XII**	**27 19 08 54.7–.80**	**35.73N–.05**	**140.69E–.06**	**52–6**	**4.1b,3.5s**	**84**	**0-148**
JMA	XII	27 19 08 53.9–.21	35.8N–.60	140.7E–.80	46–1	3.5,3.5s		**¶621654274**
NIED	XII	27 19 08 53.9	35.75N	140.68E	46	4.3W,3.5s		
NEIC	XII	27 19 08 55.3–1.3	35.75N–.04	140.63E–.10	54–7	4.4b,3.5s		
IDC	XII	27 19 08 56.5–1.7	35.68N	140.56E	68–15	4.0,3.7b		

ISC Event type ke.

JMA Event type fe. NEAR CHOSHI CITY .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.70 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-2.37 $M_{r\theta}$0.20 $M_{\theta\phi}$0.13 $M_{\phi r}$1.89 NP1:ϕ_s172.00000°,δ27.00000°,λ82.00000°. NP2:ϕ_s2.00000°
,δ63.00000°,λ94.00000°. M_o3.17000×10^{15}

NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.9km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=19.2km s-min=8.4km az=69.0.

(227) Eastern Honshu

ISC	**XII**	**27 22 52 53.6–1.3**	**39.77N–.04**	**141.88E–.09**	**59–8**	**3.9b**	**27**	**0-45**
IDC	XII	27 22 52 49.9–12	40.14N	141.39E	0	3.9b,3.7		**¶621717345**
JMA	XII	27 22 52 54.1–.08	39.8N–.20	141.9E–.30	58–0	3.6,3.4		

ISC Event type ke.
JMA Event type fe. NORTHERN IWATE PREF .
(224) Hokkaido region

ISC	**XII**	**28 17 18 13.7–1.6**	**43.08N–.06**	**145.17E–.04**	**23–9**		**22**	**0-1**
JMA	XII	28 17 18 14.4–.07	43.1N–.30	145.2E–.40	19–0	3.2		**¶626707385**
SKHL	XII	28 17 18 14.3–.40	43.10N	145.20E	22–3	4.3b		

ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .
(224) Hokkaido region

ISC	**XII**	**28 17 45 43.5–.90**	**41.57N–.04**	**142.08E–.05**	**62–9**	**3.8b**	**32**	**1-65**
IDC	XII	28 17 45 35.4–1.2	41.46N	142.03E	0	3.7b,3.7		**¶635673768**
JMA	XII	28 17 45 43.7–.10	41.6N–.30	142.1E–.40	54–1	3.2,3.7		

ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
(232) Western Honshu

ISC	**XII**	**28 19 23 09.7–1.2**	**35.10N–.04**	**135.63E–.04**	**14–15**		**16**	**0-3**
JMA	XII	28 19 23 10.7–.03	35.07N–.07	135.61E–.08	12–0	2.8		**¶635673815**

ISC Event type ke.
JMA Event type fe. MID KYOTO PREF .
(224) Hokkaido region

ISC	**XII**	**28 20 47 37.5–.51**	**41.99N–.04**	**142.61E–.03**	**64–4**	**4.3b**	**204**	**0-82**
MOS	XII	28 20 47 35.3–.92	42.11N	142.54E	54	4.6b		**¶621656472**
NEIC	XII	28 20 47 37.8–1.8	42.04N–.05	142.59E–.07	63–7	4.3b		
SKHL	XII	28 20 47 38.7–.20	42.00N	142.70E	82–6	6.0,5.2b		
JMA	XII	28 20 47 38.1–.17	42.0N–.50	142.6E–.70	62–1	3.9,3.9		
NIED	XII	28 20 47 38.1	42.04N	142.60E	62	4.0W,3.9		
IDC	XII	28 20 47 39.5–1.8	42.13N	142.61E	74–13	4.0,3.7b		

ISC Event type ke.
MOS Error ellipse: s-maj=9.2km s-min=7.5km az=99.2.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.0km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. S OFF URAKAWA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.57 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-0.45 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.58 $M_{\phi r}$0.97 NP1:ϕ_s248.00000°,δ29.00000°,λ146.00000°. NP2:ϕ_s9.00000° ,δ74.00000°,λ66.00000°. M_o1.25000×10^{15}
IDC Error ellipse: s-maj=19.9km s-min=11.9km az=118.0.
(447) Southern Quebec

ISC	**XII**	**28 23 22 37.9–.49**	**48.26N–.03**	**78.36W–.03**	**0**	**3.7b**	**202**	**1-145**
IDC	XII	28 23 22 40.8–.73	48.28N	78.48W	0	3.9,3.7b		**¶621717424**
OTT	XII	28 23 22 41.1	48.25N	78.45W	3	4.2,4.1		

ISC Event type kr.
IDC Error ellipse: s-maj=13.9km s-min=8.3km az=111.0.
OTT Event type fr. Mining event, 2km west of LaRonde Mine, Qc, felt Mining induced.
(230) Near south coast of eastern Honshu

ISC	**XII**	**29 02 33 04.6–1.4**	**35.67N–.04**	**139.70E–.07**	**25–10**	**4.3b**	**35**	**0-58**
JMA	XII	29 02 33 05.5–.10	35.7N–.30	139.6E–.30	31–1	3.5		**¶621656489**
NEIC	XII	29 02 33 06.0–1.8	35.66N–.05	139.74E–.09	38–10	4.2b		
NIED	XII	29 02 33 05.5	35.70N	139.62E	31	3.6W		

ISC Event type ke.
JMA Event type fe. TOKYO PREF .
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.1km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.17 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$-1.04 $M_{r\theta}$1.27 $M_{\theta\phi}$-0.78 $M_{\phi r}$1.08 NP1:ϕ_s226.00000°,δ25.00000°,λ87.00000°. NP2:ϕ_s48.00000° ,δ65.00000°,λ91.00000°. M_o2.62000×10^{14}
(246) Southwestern Ryukyu Islands

ISC	**XII**	**30 00 37 05.7–1.6**	**25.38N–.07**	**125.50E–.06**	**2–11**	**3.7b**	**30**	**1-80**
IDC	XII	30 00 37 05.3–.90	25.34N	125.27E	0	3.6b,3.6		**¶621725968**
JMA	XII	30 00 37 07.9–.13	25.2N–.60	125.6E–.60	35–1	4.2,4.0		

ISC Event type ke.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
(228) Near east coast of eastern Honshu

ISC	**XII**	**30 00 41 58.7–.40**	**35.55N–.03**	**140.17E–.04**	**63–3**	**4.6b**	**336**	**0-148**
MOS	XII	30 00 41 55.1–1.1	35.57N	140.30E	48	4.8b		**¶621657277**
NEIC	XII	30 00 41 58.5–1.4	35.60N–.05	140.21E–.08	57–2	4.6b		
NIED	XII	30 00 41 59.0	35.64N	140.12E	71	4.3W		
JMA	XII	30 00 41 59.0–.16	35.6N–.40	140.1E–.60	71–1	4.2,4.2		
IDC	XII	30 00 41 59.3–1.2	35.53N	140.09E	67–10	4.3,4.0b		
GFZ	XII	30 00 41 60.0–.40	36N–4.0	140E–6.0	69	7.3,7.2		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.45 $M_{\theta\theta}$0.74 $M_{\phi\phi}$-0.29 $M_{r\theta}$0.04 $M_{\theta\phi}$1.79 $M_{\phi r}$3.10 NP1:ϕ_s92.00000°,δ32.00000°,λ-7.00000°. NP2:ϕ_s188.00000° ,δ86.00000°,λ-121.00000°. M_o3.62000×10^{15}
JMA Event type fe. CENTRAL CHIBA PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
(228) Near east coast of eastern Honshu

ISC	**XII**	**30 03 59 15.4–.83**	**39.62N–.04**	**142.06E–.06**	**47–7**	**4.2b**	**64**	**0-79**
JMA	XII	30 03 59 14.9–.06	39.6N–.20	142.1E–.30	49–0	3.5		**¶621725988**
IDC	XII	30 03 59 17.7–2.9	39.54N	142.22E	85–18	3.8,3.5b		
NEIC	XII	30 03 59 17.6–1.4	39.75N–.06	142.0E–.10	64–9	4.7b,3.5b		

ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(243) Taiwan region

ISC	**XII**	**30 06 47 08.8–.48**	**23.93N–.02**	**122.53E–.02**	**24–3**	**5.3b,4.8s**	**1430**	**0-178**
MOS	XII	30 06 47 05.7–1.0	24.03N	122.59E	13	5.6b,4.8s		**¶621657274**
BJI	XII	30 06 47 07.0	23.90N	122.50E	20	5.3b,5.2s		
NEIC	XII	30 06 47 08.9–1.3	23.99N–.02	122.50E–.04	21–4	5.4b,5.3		
GFZ	XII	30 06 47 09.0–.10	24N–2.0	123E–2.0	21	7.0,7.0		
ASIES	XII	30 06 47 09.5	23.93N	122.52E	27	5.0W,7.0		
NIED	XII	30 06 47 09.3	23.91N	122.49E	22	5.2W,7.0		
TAP	XII	30 06 47 09.7	23.98N	122.51E	30–0	5.5L,7.0		
IDC	XII	30 06 47 09.9–1.8	24.11N	122.57E	27–11	5.1,4.9b		
JMA	XII	30 06 47 09.3–.25	24N–1.0	122.5E–.50	22–4	5.5,5.2W		
GCMT	XII	30 06 47 11.2–.40	23.84N–.03	122.50E–.03	32–1	5.2W,5.2W		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ASIES Moment Tensor Solution. NP1:ϕ_s296.00000°,δ16.00000°,λ133.00000°. NP2:ϕ_s71.00000° ,δ78.00000°,λ79.00000°.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.45 $M_{\theta\theta}$-3.54 $M_{\phi\phi}$2.09 $M_{r\theta}$4.79 $M_{\theta\phi}$0.67 $M_{\phi r}$2.24 NP1:ϕ_s317.00000°,δ26.00000°,λ160.00000°. NP2:ϕ_s65.00000° ,δ81.00000°,λ65.00000°. M_o6.12000×10^{16}
TAP C.
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112300647A. Moment Tensor Solution. s39,c45; s71,c97; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76±.05 $M_{\theta\theta}$-0.68±.03; $M_{\phi\phi}$-0.08±.03; $M_{r\theta}$0.41±.04; $M_{\theta\phi}$0.05±.02; $M_{\phi r}$0.34±.05; Best double couple: NP1:ϕ_s289.00000°,δ33.00000° ,λ121.00000°. NP2:ϕ_s73.00000°,δ62.00000°,λ72.00000°. Principal axes: T 0.9750,Plg67.0000°,Azm308.0000°; N -0.1860,Plg16.0000°,Azm82.0000° ; P -0.7890,Plg16.0000°,Azm177.0000° M_o0.88200×10^{17}
(246) Southwestern Ryukyu Islands

ISC	**XII**	**30 08 45 35.3–1.2**	**25.19N–.04**	**125.76E–.04**	**9–7**	**4.8b,3.7s**	**184**	**1-100**
NEIC	XII	30 08 45 35.8–1.0	25.27N–.08	125.67E–.07	11–4	4.9b,3.7s		**¶621657465**
JMA	XII	30 08 45 37.5–.16	25.2N–.80	125.6E–.90	36–2	4.7,4.3		
NIED	XII	30 08 45 37.5	25.20N	125.63E	36	4.5W,4.3		
IDC	XII	30 08 45 41.3–2.4	25.34N	125.53E	51–22	4.0,3.7b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.8km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.94 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$3.88 $M_{r\theta}$-3.56 $M_{\theta\phi}$-1.21 $M_{\phi r}$1.57 NP1:ϕ_s15.00000°,δ36.00000°,λ-34.00000°. NP2:ϕ_s133.00000° ,δ71.00000°,λ-121.00000°. M_o5.35000×10^{15}
IDC Error ellipse: s-maj=15.0km s-min=12.5km az=76.0.
(221) Kuril Islands

ISC	**XII**	**30 19 39 30.4–.84**	**50.46N–.06**	**156.90E–.05**	**83–6**	**4.1b**	**164**	**1-136**
MOS	XII	30 19 39 30.3–1.0	50.45N	156.75E	96	4.2b		**¶621657638**
KRSC	XII	30 19 39 30.1–2.2	50.46N	157.11E	68–22	4.5L		
NEIC	XII	30 19 39 33.7–1.7	50.72N–.09	156.5E–.20	104–8	4.2b		
IDC	XII	30 19 39 34.5–2.1	50.72N	156.51E	113–18	3.9,3.4b		

ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=13.6km s-min=3.6km az=76.8. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se. Felt [II-III] at Severo-Kurilsk; Felt at Podgornay.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=12.5km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=14.3km az=147.0.
(226) Near west coast of eastern Honshu

ISC	**XII**	**31 05 52 42.9–.96**	**37.53N–.04**	**137.24E–.04**	**11–6**	**3.5b**	**29**	**0-92**
IDC	XII	31 05 52 41.4–.77	37.56N	137.21E	0	3.7b,3.7		**¶621726048**
NIED	XII	31 05 52 43.0	37.52N	137.24E	14	3.9W,3.7		
JMA	XII	31 05 52 43.0–.04	37.5N–.10	137.2E–.20	14–0	4.3,4.3		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.98 $M_{\theta\theta}$-4.41 $M_{\phi\phi}$-1.57 $M_{r\theta}$2.01 $M_{\theta\phi}$-2.80 $M_{\phi r}$-2.90 NP1:ϕ_s216.00000°,δ49.00000°,λ56.00000°. NP2:ϕ_s82.00000° ,δ51.00000°,λ123.00000°. M_o6.89000×10^{14}
JMA Event type fe. NOTO PENINSULA REGION .
(238) Ryukyu Islands

ISC	**XII**	**31 14 23 38.4–.56**	**29.99N–.04**	**130.79E–.06**	**39–3**	**3.9b,3.3s**	**86**	**0-82**
JMA	XII	31 14 23 38.2–.11	30.0N–.50	130.8E–.30	28–0	3.8,3.3s		**¶621726065**
NIED	XII	31 14 23 38.2	29.98N	130.81E	28	4.1W,3.3s		
IDC	XII	31 14 23 39.6–1.3	30.05N	130.63E	50–11	3.8,3.6b		
NEIC	XII	31 14 23 47.9–1.3	32.19N–.05	129.96E–.08	10–1	4.1b,3.6b		

ISC Event type ke.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.82 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-0.61 $M_{r\theta}$0.77 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.86 NP1:ϕ_s202.00000°,δ18.00000°,λ73.00000°. NP2:ϕ_s40.00000° ,δ73.00000°,λ96.00000°. M_o1.41000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

PROBABLE EXPLOSIONS

(326) Southwestern Siberia
IDC VII 01 05 20 09.5–4.0 54.45N 86.08E 0 3.0L,3.0
ASGSR VII 01 05 20 09.0–1.1 54.28N 86.16E 0 2.8,3.0 ¶620927656
IDC Error ellipse: s-maj=32.5km s-min=14.0km az=52.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
IDC VII 01 07 54 42.8–3.4 54.11N 87.13E 0 2.5,2.3L
ASGSR VII 01 07 54 40.0–.80 54.13N 87.14E 0 2.5,2.3L ¶620927657
IDC Error ellipse: s-maj=28.6km s-min=20.9km az=80.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
IDC VII 01 08 02 16.2–4.1 53.89N 90.96E 0 3.1,2.7L
ASGSR VII 01 08 02 13.0–1.7 53.73N 91.07E 0 2.8,2.7L ¶620927659
IDC Error ellipse: s-maj=31.2km s-min=25.7km az=38.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
IDC VII 01 09 00 46.1–3.5 54.32N 86.92E 0 2.9,2.8L
ASGSR VII 01 09 00 45.0–.90 54.32N 86.85E 0 2.7,2.8L ¶620927660
IDC Error ellipse: s-maj=27.8km s-min=20.1km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(715) Tajikistan
ISC VII 01 13 40 30.8–1.7 41.04N–.05 70.03E–.09 10 12 1-3
KRNET VII 01 13 40 26.1–.10 41.07N 69.68E 2.7b ¶621251193
ISC Event type se.

(724) Baltic States-Belarus-Northwestern Russia
ISC VII 01 16 27 14.6–.93 67.66N–.04 34.05E–.04 0 41 0-7
HEL VII 01 16 27 13.1–.30 67.84N 33.61E 0 1.8L ¶620927678
KOGSR VII 01 16 27 14.0–.70 67.58N–.04 34.17E–.09 0 2.5
IDC VII 01 16 27 16.8–3.6 67.65N 33.84E 0 3.0,2.2L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=3.6km s-min=4.9km az=-1.0. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=36.0km s-min=14.8km az=81.0.

(724) Baltic States-Belarus-Northwestern Russia
ISC VII 01 17 01 50.6–.77 68.07N–.02 32.93E–.03 0 58 0-7
HEL VII 01 17 01 51.7–.10 68.09N 32.99E 0 1.7L ¶620927680
KOGSR VII 01 17 01 51.0–.40 68.08N–.02 32.98E–.06 0 2.5
IDC VII 01 17 01 53.4–3.4 68.09N 32.77E 0 2.8,2.0L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=33.5km s-min=13.6km az=78.0.

(464) Minnesota
ISC VII 01 17 09 04.2–.88 47.55N–.03 92.61W–.03 0 30 1-20
IDC VII 01 17 09 03.9–3.9 47.58N 92.54W 0 2.6,2.5b ¶620733143
NEIC VII 01 17 09 05.4–1.2 47.54N–.05 92.60W–.04 0–2 3.0L,2.9
OTT VII 01 17 09 06.2–.25 47.58N 92.68W 0 2.7,2.9
ISC Event type km.
IDC Error ellipse: s-maj=63.9km s-min=21.0km az=71.0.
NEIC Event type sm. Error ellipse: s-maj=9.0km s-min=4.7km az=352.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type km. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Blast, Minnesota, U.S.
126km southeast from Fort Frances, On Mining explosion.

(548) Poland
ISC VII 01 17 43 19.2–1.0 50.15N–.04 18.92E–.03 0 65 1-12
IPEC VII 01 17 43 18.1–.21 50.19N 19.06E 1 2.6L ¶620733731
IDC VII 01 17 43 18.9–1.3 50.30N 18.91E 0 3.2,2.3L
VIE VII 01 17 43 18.9–.91 50.29N 18.91E 0 2.4b,2.3L
PRU VII 01 17 43 19.7 50.20N 18.94E 0 2.4b,2.3L
BRA VII 01 17 43 20.9–.90 50.15N 18.99E 12–11 2.2L,2.3L
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=0.9km az=12.0.
IDC Error ellipse: s-maj=23.5km s-min=8.9km az=150.0.
VIE Event type sr. Error ellipse: s-maj=6.5km s-min=3.5km az=81.0. Suspected Mining induced.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=4.5km s-min=2.7km az=0.0. Mining induced.

(326) Southwestern Siberia
ISC VII 02 04 49 45.0–4.2 52.84N–.07 87.9E–.20 0 9 2-7
NNC VII 02 04 49 56.8–3.2 54.12N 87.56E 0 3.0b,2.8 ¶620927712
IDC VII 02 04 49 58.5–3.9 54.26N 87.40E 0 2.6,2.4L
ASGSR VII 02 04 49 58.0–1.3 54.12N 87.16E 0 2.5,2.4L
ISC Event type km.
NNC Event type sm. Error ellipse: s-maj=19.7km s-min=10.8km az=80.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=29.3km s-min=21.4km az=61.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
ASGSR VII 02 04 55 13.0–1.5 54.24N 87.08E 0 2.6
IDC VII 02 04 55 14.4–3.5 54.29N 87.09E 0 2.8,2.6L ¶620927713
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=28.9km s-min=20.2km az=73.0.

(326) Southwestern Siberia
IDC VII 02 05 05 07.4–3.9 53.69N 87.76E 0 2.9,2.6L
ASGSR VII 02 05 05 02.0 53.65N 87.96E 0 2.7,2.6L ¶620927714
IDC Error ellipse: s-maj=33.3km s-min=18.7km az=67.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
ISC VII 02 05 10 20.8–3.8 54.3N–.30 83.82E–.08 0 10 1-8
NNC VII 02 05 10 07.3–5.2 53.46N 87.09E 0 3.0b,2.7 ¶620927715
ASGSR VII 02 05 10 16.0–1.2 54.67N 83.63E 0 2.3,2.7
IDC VII 02 05 10 19.0–2.9 54.65N 83.81E 0 2.5,2.2L
ISC Event type km.
NNC Event type sm. Error ellipse: s-maj=33.3km s-min=19.3km az=92.0. Suspected Mining explosion.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=24.2km s-min=11.9km az=153.0.

(326) Southwestern Siberia
ASGSR VII 02 05 44 36.0–2.3 54.97N 88.34E 0 2.5
IDC VII 02 05 44 40.2–4.1 55.03N 88.11E 0 2.7,2.3L ¶620927717
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=28.5km s-min=25.5km az=52.0.

(326) Southwestern Siberia
IDC VII 02 05 59 37.8–3.0 54.73N 83.71E 0 2.3,2.1L
ASGSR VII 02 05 59 37.0–1.4 54.66N 83.62E 0 2.4,2.1L ¶620927718
IDC Error ellipse: s-maj=25.1km s-min=12.3km az=157.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
IDC VII 02 06 00 15.6–3.7 54.12N 86.27E 0 2.6,2.5L
ASGSR VII 02 06 00 10.0–.60 54.17N 86.36E 0 2.4,2.5L ¶620927721
IDC Error ellipse: s-maj=31.3km s-min=13.1km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
ISC VII 02 06 01 58.4–2.1 54.8N–.10 83.63E–.06 0 18 1-8
NNC VII 02 06 01 55.9–.90 54.84N 83.73E 0 3.2b,2.9 ¶620927722
ASGSR VII 02 06 01 57.0–1.2 54.67N 83.65E 0 2.5,2.9
IDC VII 02 06 01 59.0–1.8 54.70N 83.67E 0 3.0,2.5L
ISC Event type km.
NNC Event type sm. Error ellipse: s-maj=6.9km s-min=3.2km az=161.0. Suspected Mining explosion.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=15.1km s-min=10.6km az=176.0.

(326) Southwestern Siberia
ASGSR VII 02 06 24 57.0 54.24N 87.13E 0 2.4
IDC VII 02 06 24 59.3–4.2 54.28N 87.19E 0 2.7,2.4L ¶620927723
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.5km s-min=21.4km az=67.0.

(326) Southwestern Siberia
ISC VII 02 06 30 25.7–8.5 54.2N–.60 86.1E–.30 0 7 1-8
ASGSR VII 02 06 30 19.0–1.1 54.20N 86.42E 0 2.5 ¶620927727
IDC VII 02 06 30 22.4–3.6 54.17N 86.47E 0 2.5,2.3L
NNC VII 02 06 30 22.1–3.8 54.19N 86.52E 0 2.6b,2.5
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=27.2km s-min=13.0km az=74.0.
NNC Event type sm. Error ellipse: s-maj=24.4km s-min=10.9km az=76.0. Suspected Mining explosion.

(326) Southwestern Siberia
IDC VII 02 06 35 13.4–3.5 54.43N 87.22E 0 2.6,2.4L
NNC VII 02 06 35 11.8–2.6 54.46N 87.20E 0 3.1b,2.8 ¶620927729
IDC Error ellipse: s-maj=26.8km s-min=19.2km az=70.0.
NNC Event type sm. Error ellipse: s-maj=21.8km s-min=17.0km az=2.0. Suspected Mining explosion.

(326) Southwestern Siberia
IDC VII 02 06 45 15.5–3.5 53.58N 87.14E 0 2.4,1.9L
ASGSR VII 02 06 45 08.0–1.1 53.53N 87.50E 0 2.2,1.9L ¶620927730
IDC Error ellipse: s-maj=34.8km s-min=19.9km az=84.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(584) South Africa
PRE VII 02 06 50 02.3–.92 25.87S 29.85E 0 1.8L
BUL VII 02 06 50 22.4–5.3 25.20S 29.23E 0–77 3.2 ¶625391119
EAF VII 02 06 50 22.4–5.3 25.20S 29.23E 0–77 3.2
PRE Event type sh. Error ellipse: s-maj=3.4km s-min=2.9km az=-1.0. Suspected explosion.
BUL Event type se. Error ellipse: s-maj=29.5km s-min=60.3km az=-1.0. Presumed earthquake.
EAF Event type se. Error ellipse: s-maj=29.5km s-min=60.3km az=-1.0. Presumed earthquake. Hypocentre not reviewed by the ISC.

(326) Southwestern Siberia
ISC VII 02 06 54 55.6–1.8 52.98N–.05 86.1E–.10 0 12 1-7
NNC VII 02 06 55 02.6–3.5 54.36N 86.23E 0 3.3b,2.7 ¶620927732
ASGSR VII 02 06 55 02.0–.70 54.28N 86.15E 0 2.8,2.7
IDC VII 02 06 55 05.0–3.3 54.27N 86.26E 0 3.4,3.1L
ISC Event type km.
NNC Event type sm. Error ellipse: s-maj=41.3km s-min=21.9km az=163.0. Suspected Mining explosion.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=24.8km s-min=13.0km az=66.0.

(715) Tajikistan
ISC VII 02 07 35 54.1–1.9 41.03N–.06 69.58E–.10 10 18 1-3
KRNET VII 02 07 35 50.8–.10 41.10N 69.48E 2.6b ¶621251219
SOME VII 02 07 35 53.7 41.00N 69.58E 5 2.6b
ISC Event type se.

(715) Tajikistan
ISC VII 02 07 37 09.0–2.4 40.99N–.06 69.6E–.10 10 12 1-3
KRNET VII 02 07 37 08.3–.10 41.02N 69.60E 2.6b ¶621251220
ISC Event type se.

(326) Southwestern Siberia
IDC VII 02 08 55 14.0–3.9 54.25N 86.08E 0 2.9,2.6L
ASGSR VII 02 08 55 10.0–.80 54.29N 86.13E 0 2.3,2.6L ¶620927736
IDC Error ellipse: s-maj=32.8km s-min=12.2km az=64.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(721) Finland
ISC VII 02 08 59 40.0–.75 67.78N–.03 26.94E–.03 0 50 1-6
IDC VII 02 08 59 40.8–2.3 67.74N 27.37E 0 3.0,1.7L ¶620927737
HEL VII 02 08 59 40.4–.10 67.72N 26.99E 0 1.4L,1.7L
KOGSR VII 02 08 59 41.0–.60 67.66N–.08 26.8E–.20 0 2.1,1.7L
ISC Event type km.
HEL Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
IDC VII 02 09 45 17.2–4.7 54.52N 86.42E 0 2.7L,2.7
ASGSR VII 02 09 45 12.0–.80 54.26N 87.16E 0 2.4,2.7 ¶620927739
IDC Error ellipse: s-maj=39.1km s-min=17.6km az=53.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
ISC VII 02 09 49 51.8–1.7 52.28N–.06 86.5E–.10 0 13 2-6
ASGSR VII 02 09 49 49.0–.90 53.58N 87.91E 0 3.1 ¶620927741
IDC VII 02 09 49 52.0–3.3 53.63N 87.92E 0 3.2,2.8L
NNC VII 02 09 49 53.1–1.0 53.32N 87.71E 0 3.4b,3.1
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=25.6km s-min=17.9km az=72.0.
NNC Event type sm. Error ellipse: s-maj=8.7km s-min=4.5km az=75.0. Suspected Mining explosion.

(335) Ural Mountains region
ISC VII 02 10 11 02.6–1.5 54.0N–.10 63.20E–.07 0 8 4-21
NNC VII 02 10 10 48.5–3.5 55.03N 61.49E 0 3.3b,2.9 ¶620927743
IDC VII 02 10 11 03.6–2.2 53.96N 63.21E 0 3.3b,3.1
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=37.7km s-min=13.3km az=150.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=77.5km s-min=16.7km az=19.0.

(332) Northern Xinjiang
NNC VII 02 11 33 12.6–1.1 44.22N 81.51E 0 2.7b,2.5
¶621251235
NNC Event type sm. Error ellipse: s-maj=14.1km s-min=4.7km az=132.0. Suspected Mining explosion.

(383) Northwestern Balkan Peninsula
LJU VII 02 12 05 10.4 46.27N 14.62E 0 0.4L
¶626517537
LJU Event type kh. Explosion.

(383) Northwestern Balkan Peninsula
VIE VII 02 12 05 23.8–.19 46.65N 15.23E 0 0.8L,0.0b
¶624512047
VIE Event type sm. Error ellipse: s-maj=1.5km s-min=1.3km az=130.0. Suspected Mining explosion.

(536) Sweden
DNK VII 02 12 36 55.0–1.5 56.80N 16.02E 8–7 1.1L
¶626242623
DNK Event type se. Error ellipse: s-maj=5.0km s-min=17.6km az=-1.0. Presumed earthquake.

(536) Sweden
DNK VII 02 12 42 38.9–.84 57.68N 12.34E 0 0.9L
UPP VII 02 12 42 38.7–.00 57.69N 12.35E 0 2.0L ¶620779947
DNK Event type kh. Error ellipse: s-maj=1.5km s-min=2.5km az=-1.0. Explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(536) Sweden
ISC VII 02 17 00 54.6–.75 67.08N–.02 20.92E–.02 0 77 0-8
UPP VII 02 17 00 54.4–.10 67.07N 20.94E 0 1.8L ¶620927762
HEL VII 02 17 00 55.4–.20 67.10N 20.95E 0 1.8L
IDC VII 02 17 00 56.0–1.6 67.03N 21.30E 0 2.8,1.7L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=4.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=23.4km s-min=9.7km az=99.0.

(724) Baltic States-Belarus-Northwestern Russia
ISC VII 03 11 21 23.9–.77 67.61N–.02 30.42E–.03 0 35 0-6
KOGSR VII 03 11 21 26.0–.80 67.52N–.03 30.42E–.08 0 ¶620927803
HEL VII 03 11 21 26.4–.10 67.57N 30.45E 0 1.2L
IDC VII 03 11 21 27.4–3.0 67.55N 30.29E 0 2.5,1.7L
ISC Event type km.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=40.2km s-min=13.7km az=82.0.

(724) Baltic States-Belarus-Northwestern Russia
ISC VII 03 15 56 42.7–.99 67.62N–.04 34.24E–.04 0 47 0-7
IDC VII 03 15 56 42.2–3.7 67.69N 34.67E 0 3.0,2.0L ¶620927818
KOGSR VII 03 15 56 43.0–.60 67.63N–.02 34.24E–.07 0 2.4,2.0L

HEL VII 03 15 56 43.2–.30 67.62N 34.20E 0 2.0L,2.0L
ISC Event type km.
IDC Error ellipse: s-maj=36.8km s-min=15.8km az=79.0.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=3.7km az=-1.0. Explosion.
(460) Wyoming
ISC VII 03 16 13 13.5–.96 44.21N–.05 105.65W–.04 0 23 1-9
NEIC VII 03 16 13 14.7–1.6 44.05N–.05 105.41W–.04 0–1 3.0L ¶620927820
IDC VII 03 16 13 15.5–1.6 44.63N 105.97W 0 3.4,3.2L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.6km s-min=3.3km az=331.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.1km s-min=11.9km az=141.0.
(460) Wyoming
ISC VII 03 17 01 02.7–1.0 43.71N–.06 105.47W–.06 0 28 1-9
NEIC VII 03 17 01 02.2–1.9 43.71N–.06 105.49W–.06 0–1 2.5L ¶620927822
IDC VII 03 17 01 04.9–2.5 43.91N 105.54W 0 3.1,2.7L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.2km s-min=6.2km az=331.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.0km s-min=16.6km az=149.0.
(460) Wyoming
ISC VII 03 22 57 03.3–1.0 43.52N–.06 105.40W–.05 0 29 1-9
NEIC VII 03 22 57 03.4–1.3 43.50N–.06 105.42W–.06 0–1 2.9L ¶620927838
IDC VII 03 22 57 06.6–2.6 44.03N 105.66W 0 3.2,2.0L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.8km s-min=4.8km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=75.9km s-min=16.6km az=148.0.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 04 04 05 16.1 67.65N 33.75E 0 1.2L
¶626518331
KOGSR Event type kh. Error ellipse: s-maj=2.9km s-min=1.1km az=150.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 04 04 05 47.0–.30 67.67N–.03 34.0E–.20 0 1.7
¶625330752
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(548) Poland
ISC VII 05 03 00 03.1–1.4 51.60N–.06 16.17E–.03 0 57 1-5
VIE VII 05 03 00 04.8–.71 51.50N 16.26E 0 2.5b,2.4L ¶624581210
PRU VII 05 03 00 06.6 51.46N 16.14E 0 2.5b,2.4L
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=5.4km s-min=4.5km az=59.0. Suspected Mining induced.
PRU Event type ki.
(713) Central Kazakhstan
ISC VII 05 03 26 37.4–.88 43.05N–.03 74.93E–.02 0 41 0-3
KRNET VII 05 03 26 37.1–.10 43.04N 74.90E 2.1b ¶621147954
NNC VII 05 03 26 37.6–.29 43.05N 74.89E 0 2.8b,2.5
SOME VII 05 03 26 37.6 43.12N 74.82E 2.8b,2.5
KNET VII 05 03 26 37.6–.36 43.03N 74.87E 10–3 1.1L,2.5
ISC Event type sm.
KRNET Event type kh.
NNC Event type sm. Error ellipse: s-maj=3.2km s-min=1.4km az=136.0. Suspected Mining explosion.
SOME Event type kx.
KNET Error ellipse: s-maj=2.4km s-min=1.5km az=74.0.
(326) Southwestern Siberia
ASGSR VII 05 05 55 27.0–1.3 54.35N 86.94E 0 2.7
IDC VII 05 05 55 27.4–4.3 54.44N 87.02E 0 2.9,2.5L ¶620927928
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=42.1km s-min=21.3km az=62.0.
(326) Southwestern Siberia
ASGSR VII 05 05 59 34.0 54.25N 87.12E 0 2.7
IDC VII 05 05 59 34.0–3.7 54.30N 87.38E 0 2.8,2.4L ¶620927929
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=29.3km s-min=22.7km az=60.0.
(326) Southwestern Siberia
IDC VII 05 06 55 02.9–3.5 53.59N 88.02E 0 2.8,2.5L
ASGSR VII 05 06 55 02.0–.80 53.61N 87.85E 0 2.7,2.5L ¶620927933
IDC Error ellipse: s-maj=30.6km s-min=20.0km az=90.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 05 07 20 03.5–3.8 53.56N 87.82E 0 2.8,2.7L
ASGSR VII 05 07 19 59.0 53.56N 87.86E 0 2.6,2.7L ¶620927935
IDC Error ellipse: s-maj=35.4km s-min=20.2km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 05 07 50 03.0–.50 54.14N 87.21E 0 2.9
IDC VII 05 07 50 06.1–4.1 54.21N 87.19E 0 3.1,2.5L ¶620927938
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.6km s-min=22.1km az=67.0.
(326) Southwestern Siberia
ASGSR VII 05 07 55 12.0–1.2 54.23N 87.33E 0 2.7
IDC VII 05 07 55 13.8–4.5 54.25N 87.45E 0 3.1,2.6L ¶620927940
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=38.9km s-min=23.3km az=56.0.
(326) Southwestern Siberia
ASGSR VII 05 08 34 36.0–1.4 54.48N 86.75E 0 2.6
IDC VII 05 08 34 33.8–4.8 54.62N 87.20E 0 2.5,2.4L ¶620927943
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.7km s-min=25.5km az=50.0.
(326) Southwestern Siberia
ISC VII 05 08 50 12.0–4.2 54.5N–.20 86.3E–.20 0 13 1-10
ASGSR VII 05 08 50 04.0–1.4 54.73N 86.62E 0 3.3 ¶620927945
NNC VII 05 08 50 06.5–2.7 54.62N 86.69E 0 3.5b,3.3
IDC VII 05 08 50 07.7–3.6 54.70N 86.51E 0 3.7,3.5L
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=39.3km s-min=14.4km az=155.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=28.3km s-min=16.7km az=54.0.
(536) Sweden
ISC VII 05 09 00 14.2–.74 67.42N–.02 23.31E–.02 0 66 0-6
UPP VII 05 09 00 14.3–.20 67.42N 23.35E 0 1.9L ¶620927946
HEL VII 05 09 00 14.5–.10 67.45N 23.37E 0 1.6L
IDC VII 05 09 00 15.8–2.1 67.46N 23.38E 0 2.5,1.6L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=3.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=36.5km s-min=13.5km az=96.0.
(326) Southwestern Siberia
ASGSR VII 05 09 10 14.0–1.2 54.24N 87.06E 0 2.6
IDC VII 05 09 10 14.6–3.6 54.31N 87.20E 0 2.7,2.4L ¶620927948
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=29.0km s-min=21.9km az=68.0.
(326) Southwestern Siberia
IDC VII 05 09 25 15.9–4.3 54.32N 87.08E 0 2.7,2.0L
ASGSR VII 05 09 25 15.0–.90 54.23N 87.11E 0 2.5,2.0L ¶620927950
IDC Error ellipse: s-maj=41.6km s-min=22.3km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 05 09 30 01.2–3.6 53.63N 87.90E 0 2.7,2.5L
ASGSR VII 05 09 29 58.0–.60 53.67N 87.98E 0 2.8,2.5L ¶620927951
IDC Error ellipse: s-maj=27.0km s-min=18.7km az=71.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 05 09 45 19.0–1.1 54.24N 87.09E 0 2.4

IDC VII 05 09 45 20.1–4.3 54.31N 87.07E 0 2.7,2.5L ¶620927953
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.3km s-min=21.9km az=66.0.
(326) Southwestern Siberia
ASGSR VII 05 09 47 40.0–1.2 54.15N 87.14E 0 2.5
IDC VII 05 09 47 36.6–4.5 54.23N 87.60E 0 2.5,2.2L ¶620927955
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=37.7km s-min=23.0km az=54.0.
(721) Finland
HEL VII 05 12 10 47.5–.10 60.47N 26.23E 0 0.7L
LVSN VII 05 12 10 48.6–2.7 59.05N 20.01E 0–19 1.6L ¶626244705
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=33.8km s-min=126.4km az=-1.0. Presumed earthquake.
(724) Baltic States-Belarus-Northwestern Russia
HEL VII 05 20 04 37.2–.20 67.58N 33.43E 0 1.0L
¶625330783
HEL Event type sh. Error ellipse: s-maj=1.9km s-min=3.9km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 05 20 05 17.0–.20 67.66N–.02 33.77E–.04 0 1.7
¶626517526
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(460) Wyoming
ISC VII 05 20 12 33.9–.78 43.83N–.06 105.27W–.05 0 66 1-90
NEIC VII 05 20 12 33.5–1.1 43.75N–.07 105.38W–.10 0–1 3.4L ¶620927989
IDC VII 05 20 12 34.1–1.2 43.80N 105.30W 0 3.8b,3.5
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=12.9km s-min=10.6km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.8km s-min=9.9km az=147.0.
(721) Finland
HEL VII 06 06 37 42.9–.10 63.97N 28.10E 0 0.8L
¶626244720
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0. Suspected explosion.
(721) Finland
ISC VII 06 07 50 22.9–.75 62.72N–.02 22.93E–.03 0 36 0-7
IDC VII 06 07 50 24.9–2.8 62.72N 23.05E 0 2.9,2.2L ¶620928012
HEL VII 06 07 50 24.5–.10 62.75N 22.93E 0 1.1L,2.2L
ISC Event type kh.
IDC Error ellipse: s-maj=34.4km s-min=15.1km az=69.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.7km az=-1.0. Explosion.
(721) Finland
HEL VII 06 08 49 01.8–.10 62.70N 21.57E 0 1.1L
¶626244723
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 06 09 39 11.2–1.9 61.92N–.06 31.46E–.08 0 20 1-9
HEL VII 06 09 39 13.5–.40 61.93N 31.45E 0 1.6L ¶620928020
IDC VII 06 09 39 17.5–3.9 62.03N 30.87E 0 2.7,2.0L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=4.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=37.6km s-min=18.1km az=120.0.
(721) Finland
ISC VII 06 14 58 24.5–.74 63.96N–.02 28.07E–.03 0 62 1-6
HEL VII 06 14 58 25.4–.10 63.96N 28.04E 0 1.7L ¶620928042
IDC VII 06 14 58 27.7–2.3 63.92N 27.42E 0 2.4,1.8L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.7km s-min=2.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=67.0km s-min=13.2km az=95.0.
(548) Poland
ISC VII 07 04 17 34.5–1.8 51.13N–.07 19.14E–.06 0 45 1-4
PRU VII 07 04 17 32.9 51.08N 19.30E 0 ¶620779994
IPEC VII 07 04 17 32.2–.24 51.21N 19.30E 1 2.3L
VIE VII 07 04 17 35.1–2.1 51.31N 18.85E 0 2.6L,2.2b
ISC Event type sr.
PRU Event type ki. Belchatow.
IPEC Event type ki. Error ellipse: s-maj=3.3km s-min=1.6km az=136.0.
VIE Event type sr. Error ellipse: s-maj=16.2km s-min=12.5km az=41.0. Suspected Mining induced.
(724) Baltic States-Belarus-Northwestern Russia
HEL VII 07 06 28 32.0–.30 67.72N 34.13E 0 1.1L
KOGSR VII 07 06 28 31.0–.10 67.67N–.02 34.19E–.06 0 1.6 ¶625330820
HEL Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 07 08 12 08.1–3.4 53.63N 87.68E 0 2.6,2.5L
ASGSR VII 07 08 12 03.0–1.9 53.59N 88.06E 0 2.6,2.5L ¶620928092
IDC Error ellipse: s-maj=29.3km s-min=18.9km az=89.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 07 08 15 17.1–5.0 53.76N 88.34E 0 2.6,2.0L
ASGSR VII 07 08 15 15.0–1.1 53.87N 88.29E 0 2.6,2.0L ¶620928094
IDC Error ellipse: s-maj=50.0km s-min=26.3km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 07 08 45 15.6–3.5 53.64N 88.45E 0 3.0,2.5L
ASGSR VII 07 08 45 19.0–1.3 53.60N 87.87E 0 2.8,2.5L ¶620928099
IDC Error ellipse: s-maj=29.8km s-min=19.7km az=85.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 07 08 57 20.7–3.1 53.41N 87.11E 0 2.7,2.4L
ASGSR VII 07 08 57 18.0 53.45N 87.17E 0 2.6,2.4L ¶620928102
IDC Error ellipse: s-maj=26.8km s-min=19.9km az=95.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 07 09 07 05.2–4.1 54.28N 86.47E 0 3.4,3.1L
ASGSR VII 07 09 07 05.0 54.14N 86.45E 0 2.6,3.1L ¶620928103
IDC Error ellipse: s-maj=33.7km s-min=14.9km az=66.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 07 09 50 09.0–1.9 54.13N 87.17E 0 2.3
IDC VII 07 09 50 06.5–4.5 54.22N 87.32E 0 2.5,2.3L ¶620928104
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.9km s-min=24.9km az=58.0.
(326) Southwestern Siberia
ASGSR VII 07 09 58 29.0–1.2 54.14N 87.14E 0 2.6
IDC VII 07 09 58 27.2–3.9 54.26N 87.56E 0 2.8,2.5L ¶620928105
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=28.2km s-min=20.6km az=64.0.
(723) Finland-Karelia border region
ISC VII 07 10 37 03.1–.83 64.66N–.03 30.61E–.04 0 41 1-10
HEL VII 07 10 37 03.5–.30 64.73N 30.99E 0 2.2L ¶620758226
BER VII 07 10 37 08.3–3.6 64.92N 31.24E 0 2.2L
IDC VII 07 10 37 11.4–2.3 64.67N 30.52E 0 3.3,2.5L
KOGSR VII 07 10 37 11.0–.40 64.8N–.20 30.6E–.30 0 2.5,2.5L
ISC Event type km.
HEL Event type kh. Explosion.
BER Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(579) Botswana
PRE VII 07 13 15 55.3–2.0 24.70S 25.03E 0 1.7L
BGSI VII 07 13 15 52.4–.83 24.64S 24.89E 47–10 1.8L ¶624893493
PRE Event type sh. Error ellipse: s-maj=9.9km s-min=15.4km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=3.6km s-min=6.4km az=-1.0. Presumed earthquake.
(724) Baltic States-Belarus-Northwestern Russia
HEL VII 07 14 04 15.8–.10 69.48N 32.34E 0 1.2L
¶625345348
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VII 07 14 04 21.5–.10 69.44N 32.68E 0 1.5L
¶626244761

HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0. Explosion.
(722) Norway-Murmansk border region
HEL VII 07 14 04 28.0–.20 69.44N 32.27E 0 1.4L
KOGSR VII 07 14 04 26.4 69.44N 31.96E 0 2.0L ¶626244763
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0. Explosion.
KOGSR Event type kh. Murmansk region, Kola district .
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 07 14 43 05.9–.85 68.05N–.04 33.31E–.05 0 17 0-7
KOGSR VII 07 14 43 08.0–.40 68.07N–.01 33.30E–.07 0 2.3 ¶620928122
IDC VII 07 14 43 09.5–3.5 68.03N 32.98E 0 2.5,1.7L
ISC Event type km.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=34.2km s-min=14.7km az=77.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 07 15 30 55.1–1.1 67.54N–.04 34.13E–.05 0 30 0-7
KOGSR VII 07 15 30 56.0–.10 67.64N–.02 34.03E–.05 0 1.9 ¶620928125
HEL VII 07 15 30 59.4–.30 67.71N 33.40E 0 1.5L
IDC VII 07 15 31 12.3–3.7 67.64N 33.98E 0 2.6,2.0L
ISC Event type km.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=3.4km s-min=5.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=36.8km s-min=13.6km az=81.0.
(721) Finland
ISC VII 07 15 53 11.1–.75 60.14N–.02 25.27E–.02 0 54 0-9
MOS VII 07 15 53 12.0–.40 60.13N–.02 25.30E–.03 0 1.7 ¶620928128
HEL VII 07 15 53 12.6–.00 60.16N 25.20E 0 1.2L
IDC VII 07 15 53 13.4–2.6 60.19N 25.41E 0 2.7,1.6L
LVSN VII 07 15 53 13.5–1.5 60.19N 25.38E 0–28 2.0L,1.6L
ISC Event type km.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=26.6km s-min=13.0km az=152.0.
LVSN Event type se. Error ellipse: s-maj=7.2km s-min=15.6km az=-1.0. Presumed earthquake.
(460) Wyoming
ISC VII 07 16 06 50.8–.94 44.51N–.06 105.48W–.07 0 34 1-9
NEIC VII 07 16 06 50.8–1.4 44.40N–.05 105.57W–.05 0–1 2.9L ¶620928129
IDC VII 07 16 06 52.9–1.8 44.56N 105.77W 0 3.0,2.6L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.6km s-min=5.5km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.8km s-min=12.4km az=142.0.
(536) Sweden
ISC VII 07 17 00 21.3–.81 67.07N–.03 21.10E–.04 0 27 0-8
UPP VII 07 17 00 22.0–.10 67.05N 20.95E 0 2.3L ¶620928131
IDC VII 07 17 00 23.6–1.4 67.11N 21.15E 0 2.7,1.9L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.5km s-min=12.1km az=102.0.
(548) Poland
PRU VII 07 21 06 45.6 51.34N 16.17E 0
¶620780011
PRU Event type ki.
(548) Poland
ISC VII 07 21 07 24.3–.70 51.51N–.03 16.30E–.02 0 121 1-19
DNK VII 07 21 07 25.6–1.9 51.58N 16.62E 0–79 2.2L ¶624581253
IDC VII 07 21 07 26.0–1.1 51.52N 15.99E 0 3.1,2.7L
IPEC VII 07 21 07 25.9–.19 51.46N 16.30E 1 2.6L,2.7L
PRU VII 07 21 07 28.7 51.35N 16.22E 0 2.6L,2.7L
VIE VII 07 21 07 28.3–.71 51.32N 16.43E 0 2.9L,2.2b
BGR VII 07 21 07 29.4–.53 51.27N 16.16E 1 2.7L,2.2b
ISC Event type sr.
DNK Event type se. Error ellipse: s-maj=64.2km s-min=66.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=22.5km s-min=9.2km az=105.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=67.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.6km s-min=4.0km az=178.0. Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=3.3km az=26.0.
(326) Southwestern Siberia
IDC VII 08 07 00 15.5–3.7 54.25N 86.15E 0 3.0,2.8L
ASGSR VII 08 07 00 14.0–2.1 54.28N 86.14E 0 2.7,2.8L ¶620928158
IDC Error ellipse: s-maj=32.0km s-min=12.4km az=64.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(721) Finland
ISC VII 08 07 30 41.1–.76 63.92N–.03 28.07E–.03 0 62 1-8
HEL VII 08 07 30 41.5–.10 63.98N 28.09E 0 1.9L ¶620773176
IDC VII 08 07 30 42.7–2.1 63.99N 28.27E 0 2.8,2.1L
MOS VII 08 07 30 42.0–.20 63.95N–.02 28.17E–.02 0 2.8,2.1L
ISC Event type km.
HEL Event type sh. Suspected explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
EST VII 08 07 45 23.3–.10 59.17N 27.99E 0 1.5L
LVSN VII 08 07 45 29.3–3.8 59.87N 27.20E 0–777 2.6L ¶625387740
EST Event type kh. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=532.7km s-min=872.3km az=-1.0. Presumed earthquake.
(326) Southwestern Siberia
IDC VII 08 08 20 28.3–3.4 53.71N 86.77E 0 2.8,2.5L
ASGSR VII 08 08 20 25.0–.80 53.68N 86.80E 0 2.6,2.5L ¶620928163
IDC Error ellipse: s-maj=31.5km s-min=16.9km az=83.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 08 08 44 16.2–3.5 53.61N 90.90E 0 2.6,2.1L
ASGSR VII 08 08 44 13.0–1.4 53.71N 91.17E 0 2.9,2.1L ¶620928165
IDC Error ellipse: s-maj=27.2km s-min=24.5km az=74.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 08 08 59 34.0–.80 55.53N 86.05E 0 2.8
IDC VII 08 08 59 34.1–4.8 55.61N 86.38E 0 2.8,2.4L ¶620928166
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.8km s-min=37.7km az=95.0.
(326) Southwestern Siberia
ASGSR VII 08 09 29 56.0 54.18N 87.05E 0 2.8
IDC VII 08 09 29 56.3–4.4 54.23N 87.29E 0 2.6,2.4L ¶620928171
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.6km s-min=24.3km az=60.0.
(326) Southwestern Siberia
IDC VII 08 09 35 06.8–4.5 54.37N 86.97E 0 2.7,2.5L
ASGSR VII 08 09 35 05.0 54.40N 86.89E 0 2.3,2.5L ¶620928172
IDC Error ellipse: s-maj=43.0km s-min=20.9km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(584) South Africa
PRE VII 08 12 11 28.1–.78 27.62S 22.93E 0 1.9L
BGSI VII 08 12 11 43.1–2.4 27.48S 26.41E 0–28 2.0L ¶626094479
PRE Event type sh. Error ellipse: s-maj=4.2km s-min=2.2km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=9.0km s-min=29.8km az=-1.0. Presumed earthquake.
(536) Sweden
ISC VII 08 17 11 56.1–.93 67.17N–.03 20.66E–.04 0 36 1-6
HEL VII 08 17 11 57.3–.40 67.18N 20.51E 0 1.2L ¶620928191
IDC VII 08 17 11 57.5–2.8 67.20N 20.55E 0 2.6,1.8L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.5km s-min=8.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=36.3km s-min=13.6km az=91.0.
(460) Wyoming
ISC VII 08 19 59 16.8–.92 43.78N–.05 105.33W–.05 0 40 1-90
NEIC VII 08 19 59 16.1–2.3 43.77N–.02 105.29W–.06 0–1 3.3L ¶620928194
IDC VII 08 19 59 19.7–1.6 44.26N 105.83W 0 3.7b,3.5
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=7.0km s-min=3.0km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.5km s-min=11.2km az=143.0.
(460) Wyoming
ISC VII 08 21 21 50.7–.96 43.44N–.05 105.27W–.05 0 30 1-10
NEIC VII 08 21 21 50.5–.91 43.46N–.06 105.3W–.10 0–1 3.1L ¶620928199
IDC VII 08 21 21 53.9–2.5 44.19N 105.89W 0 3.3L,3.2
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=15.1km s-min=10.1km az=254.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=96.5km s-min=13.0km az=144.0.
(548) Poland
BRA VII 08 23 02 18.2–.89 50.06N 19.23E 10 1.8L
¶626077605
BRA Event type kr. Error ellipse: s-maj=4.5km s-min=2.7km az=0.0. Mining induced.
(535) Southern Norway
ISC VII 09 01 11 13.5–.95 60.49N–.01 10.71E–.02 18–8 177 0-11
UPP VII 09 01 11 10.9–1.2 60.56N 10.48E 0 2.3L ¶620783818
NAO VII 09 01 11 13.8–.20 60.44N 10.70E 10 2.0L
IDC VII 09 01 11 13.5–1.7 60.55N 10.43E 0 2.9,2.5L
DNK VII 09 01 11 14.7–1.8 60.48N 10.68E 24–9 3.0L,2.5L
BER VII 09 01 11 15.4–1.6 60.51N 10.68E 12–2 2.1L,2.0L
ISC Event type ke.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Presumed earthquake.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
IDC Error ellipse: s-maj=15.1km s-min=7.6km az=36.0.
DNK Event type se. Error ellipse: s-maj=8.3km s-min=13.6km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0. Confirmed Earthquake.
(326) Southwestern Siberia
IDC VII 09 05 51 58.5–1.3 51.60N 82.48E 0 3.1,2.6L
¶620928227
IDC Error ellipse: s-maj=18.6km s-min=10.1km az=119.0.
(326) Southwestern Siberia
IDC VII 09 06 41 22.6–4.3 53.79N 88.08E 0 2.7,2.4L
ASGSR VII 09 06 41 18.0–1.1 53.79N 88.21E 0 2.6,2.4L ¶620928233
IDC Error ellipse: s-maj=39.9km s-min=22.9km az=52.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 09 07 35 17.0–1.1 54.30N 86.89E 0 2.8
IDC VII 09 07 35 14.7–3.5 54.30N 87.27E 0 2.6,2.2L ¶620928239
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=27.7km s-min=19.0km az=73.0.
(326) Southwestern Siberia
ISC VII 09 08 00 41.8–3.6 53.6N–.10 87.7E–.20 0 11 2-8
ASGSR VII 09 08 00 38.0 53.54N 87.66E 0 2.9 ¶620928241
IDC VII 09 08 00 40.5–3.4 53.66N 87.79E 0 3.1,2.8L
NNC VII 09 08 00 45.4–1.5 53.45N 87.43E 0 3.1b,2.9
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=25.5km s-min=17.0km az=72.0.
NNC Event type sm. Error ellipse: s-maj=12.4km s-min=6.0km az=55.0. Suspected Mining explosion.
(326) Southwestern Siberia
ASGSR VII 09 08 20 06.0–.70 54.14N 87.16E 0 2.5
IDC VII 09 08 20 02.5–4.6 54.18N 87.67E 0 2.4,1.8L ¶620928244
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.4km s-min=24.0km az=49.0.
(326) Southwestern Siberia
IDC VII 09 08 29 04.5–3.5 53.47N 87.73E 0 2.7,2.0L
ASGSR VII 09 08 29 01.0–1.1 53.57N 87.70E 0 2.5,2.0L ¶620928245
IDC Error ellipse: s-maj=26.5km s-min=17.3km az=80.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 09 08 43 21.0–1.3 54.35N 86.84E 0 2.4
IDC VII 09 08 43 21.1–4.6 54.48N 87.12E 0 2.9,2.3L ¶620928246
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=43.0km s-min=23.3km az=59.0.
(326) Southwestern Siberia
IDC VII 09 09 09 59.8–3.2 53.56N 87.99E 0 2.7,2.3L
ASGSR VII 09 09 09 56.0–1.2 53.65N 87.97E 0 2.8,2.3L ¶620928248
IDC Error ellipse: s-maj=25.9km s-min=17.4km az=80.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 09 09 33 00.8–3.6 53.56N 87.19E 0 2.8,2.4L
ASGSR VII 09 09 33 01.0–.50 53.62N 86.87E 0 2.3,2.4L ¶620928251
IDC Error ellipse: s-maj=35.8km s-min=20.9km az=79.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ISC VII 09 09 34 34.6–1.3 53.8N–.10 90.53E–.07 0 15 3-9
ASGSR VII 09 09 34 28.0–1.6 53.77N 91.05E 0 3.2 ¶620928252
IDC VII 09 09 34 31.3–1.7 53.73N 90.91E 0 3.1,2.7L
NNC VII 09 09 34 37.2–3.2 53.45N 90.46E 0 3.5b,3.2
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=21.9km s-min=11.6km az=2.0.
NNC Event type sm. Error ellipse: s-maj=24.3km s-min=18.1km az=59.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC VII 09 09 40 05.0–3.5 53.58N 87.80E 0 2.7,2.4L
ASGSR VII 09 09 40 00.0–1.5 53.65N 87.90E 0 2.6,2.4L ¶620928253
IDC Error ellipse: s-maj=27.0km s-min=16.8km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 09 09 49 51.8–3.9 53.57N 87.72E 0 3.1,2.9L
ASGSR VII 09 09 49 49.0–1.1 53.56N 87.71E 0 2.6,2.9L ¶620928254
IDC Error ellipse: s-maj=34.2km s-min=18.2km az=67.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 09 10 22 48.3–.66 59.69N–.02 22.31E–.02 0 119 1-10
IDC VII 09 10 22 47.0–2.9 59.42N 21.91E 0 3.0,2.6L ¶620784563
UPP VII 09 10 22 48.2–1.4 59.76N 22.50E 0 2.7L,2.6L
DNK VII 09 10 22 48.5–2.2 59.69N 22.64E 10–30 3.2L,2.6L
BER VII 09 10 22 49.4–2.5 59.43N 22.55E 0 2.1L,2.1L
EST VII 09 10 22 50.1 59.69N 22.28E 0 2.2L,2.1L
HEL VII 09 10 22 50.3–.10 59.69N 22.31E 0 2.1L,2.1L
LVSN VII 09 10 22 51.9–4.0 59.71N 22.21E 0–39 2.8L,2.1L
ISC Event type kh.
IDC Error ellipse: s-maj=41.5km s-min=10.7km az=171.0.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Presumed earthquake.
DNK Event type se. Error ellipse: s-maj=16.3km s-min=48.6km az=-1.0. Presumed earthquake.
BER Event type sh. Error ellipse: s-maj=13.5km s-min=17.0km az=-1.0. Suspected explosion.
EST Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=12.9km s-min=28.4km az=-1.0. Presumed earthquake.
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 09 10 57 51.2–1.1 64.83N–.02 31.28E–.06 0 59 1-7
HEL VII 09 10 57 53.5–.20 64.78N 30.75E 0 1.8L ¶620928258
IDC VII 09 10 57 55.3–2.8 64.75N 30.38E 0 2.6,1.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=4.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=42.4km s-min=10.9km az=97.0.
(722) Norway-Murmansk border region
KOGSR VII 10 03 58 31.4 69.44N 30.76E 0 1.4L
HEL VII 10 03 58 31.5–.40 69.40N 30.67E 0 1.3L ¶625330919
KOGSR Event type kh. Error ellipse: s-maj=4.4km s-min=2.4km az=50.0. Zapolyarny City, Mines.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=6.6km az=-1.0. Explosion.
(722) Norway-Murmansk border region
KOGSR VII 10 03 59 04.0–.40 69.43N–.04 30.77E–.09 0 1.6
¶626517542
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(548) Poland
ISC VII 10 06 54 40.2–.87 50.21N–.04 18.73E–.03 0 71 1-4

IPEC VII 10 06 54 40.5–.20 50.19N 18.74E 1 2.6L ¶620787640
VIE VII 10 06 54 41.9–.73 50.22N 18.57E 0 2.8L,2.1b
BRA VII 10 06 54 42.4–.70 50.16N 18.67E 7–4 2.1L,2.1b
PRU VII 10 06 54 44.2 50.15N 18.49E 0 2.1L,2.1b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.0km az=8.0.
VIE Event type sr. Error ellipse: s-maj=5.7km s-min=3.8km az=72.0. Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=4.1km s-min=2.7km az=0.0. Mining induced.
PRU Event type ki.

(724) Baltic States-Belarus-Northwestern Russia

ISC VII 10 12 05 39.3–.75 67.54N–.02 30.47E–.02 0 59 0-6
HEL VII 10 12 05 39.6–.50 67.57N 30.42E 0 1.7L ¶620928355
KOGSR VII 10 12 05 41.0–.90 67.52N–.04 30.41E–.09 0 2.2
IDC VII 10 12 05 42.5–3.1 67.58N 30.00E 0 2.7,2.3L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=9.5km az=-1.0. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=43.1km s-min=13.7km az=82.0.

(460) Wyoming

ISC VII 10 15 10 12.0–.00 44.05N–.06 105.43W–.04 0 19 1-9
NEIC VII 10 15 10 10.5–1.9 44.09N–.06 105.28W–.07 0–1 2.9L ¶620928365
IDC VII 10 15 10 13.9–1.8 44.34N 105.87W 0 3.4,2.9L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.7km s-min=7.8km az=21.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.1km s-min=12.0km az=143.0.

(326) Southwestern Siberia

ISC VII 12 03 47 30.5–.71 52.91N–.02 88.05E–.02 0 75 0-7
ASGSR VII 12 03 47 29.0–.14 52.9N–.70 88.1E–.90 1 3.4 ¶621251614
NNC VII 12 03 47 35.5–2.0 52.79N 87.65E 0 3.6b,3.2
ISC Event type sm.
ASGSR Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=73.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type sm. Error ellipse: s-maj=16.6km s-min=8.3km az=85.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC VII 12 06 21 30.2–3.9 53.94N 86.57E 0 2.6,2.2L
ASGSR VII 12 06 21 28.0–.70 53.91N 86.56E 0 2.5,2.2L ¶620928465
IDC Error ellipse: s-maj=32.9km s-min=17.7km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VII 12 06 25 41.5–3.9 54.19N 86.35E 0 2.7,2.5L
ASGSR VII 12 06 25 37.0–1.5 54.22N 86.40E 0 2.5,2.5L ¶620928466
IDC Error ellipse: s-maj=32.4km s-min=14.0km az=68.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VII 12 06 30 26.2–4.6 54.35N 86.72E 0 2.8,2.6L
ASGSR VII 12 06 30 23.0–1.3 54.38N 86.90E 0 2.2,2.6L ¶620928467
IDC Error ellipse: s-maj=40.8km s-min=19.2km az=61.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VII 12 06 45 22.3–3.6 53.87N 86.50E 0 2.6,2.3L
ASGSR VII 12 06 45 19.0–.70 53.91N 86.59E 0 2.5,2.3L ¶620928468
IDC Error ellipse: s-maj=30.8km s-min=15.8km az=80.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VII 12 06 54 51.0–3.8 54.17N 86.39E 0 2.8,2.4L
ASGSR VII 12 06 54 47.0–.90 54.19N 86.37E 0 2.3,2.4L ¶620928469
IDC Error ellipse: s-maj=32.1km s-min=14.1km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VII 12 06 59 50.7–2.4 54.65N 83.71E 0 2.8,2.6L
ASGSR VII 12 06 59 50.0–.70 54.64N 83.65E 0 2.5,2.6L ¶620928470
IDC Error ellipse: s-maj=21.9km s-min=11.4km az=154.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VII 12 07 20 18.0–3.8 53.62N 87.88E 0 3.1,2.5L
ASGSR VII 12 07 20 14.0–.70 53.63N 88.00E 0 2.7,2.5L ¶620928472
IDC Error ellipse: s-maj=35.7km s-min=22.4km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VII 12 09 01 17.5–3.6 53.60N 90.60E 0 3.2,2.8L
ASGSR VII 12 09 01 10.0–1.9 53.73N 91.08E 0 2.9,2.8L ¶620928475
IDC Error ellipse: s-maj=35.7km s-min=25.8km az=34.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ISC VII 12 09 20 27.1–3.6 53.6N–.10 87.8E–.20 0 13 2-8
ASGSR VII 12 09 20 22.0–1.2 53.62N 87.92E 0 3.2 ¶620928476
IDC VII 12 09 20 25.9–3.0 53.59N 87.85E 0 3.2,2.9L
NNC VII 12 09 20 26.6–3.8 53.43N 87.84E 0 3.5b,3.1
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=23.9km s-min=16.8km az=81.0.
NNC Event type sm. Error ellipse: s-maj=29.0km s-min=17.0km az=75.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC VII 12 09 50 37.2–4.7 54.35N 86.56E 0 2.6,2.3L
ASGSR VII 12 09 50 34.0–1.2 54.38N 86.65E 0 2.3,2.3L ¶620928480
IDC Error ellipse: s-maj=38.5km s-min=18.3km az=60.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(724) Baltic States-Belarus-Northwestern Russia

ISC VII 12 10 23 19.6–.92 67.69N–.04 34.20E–.04 0 41 0-7
KOGSR VII 12 10 23 19.0–.30 67.68N–.02 34.21E–.07 0 2.1 ¶620928482
HEL VII 12 10 23 20.5–.20 67.83N 34.02E 0 1.5L
IDC VII 12 10 23 21.6–4.3 67.74N 34.19E 0 2.7,1.9L
ISC Event type km.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=3.4km s-min=3.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=55.9km s-min=19.7km az=64.0.

(460) Wyoming

ISC VII 12 18 57 43.9–1.0 43.39N–.05 105.25W–.05 0 32 1-10
NEIC VII 12 18 57 46.5–.56 43.55N–.07 105.4W–.20 0–1 3.0L ¶620928500
IDC VII 12 18 57 50.7–2.6 44.16N 105.88W 0 3.2,2.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=22.1km s-min=6.4km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=92.5km s-min=13.2km az=145.0.

(326) Southwestern Siberia

IDC VII 13 06 45 47.3–4.0 53.56N 87.44E 0 2.6,2.3L
ASGSR VII 13 06 45 42.0 53.54N 87.43E 0 2.4,2.3L ¶620928521
IDC Error ellipse: s-maj=36.4km s-min=20.8km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VII 13 06 50 09.2–4.2 54.15N 87.28E 0 2.7,2.3L
ASGSR VII 13 06 50 07.0 54.13N 87.20E 0 2.7,2.3L ¶620928522
IDC Error ellipse: s-maj=39.1km s-min=22.6km az=66.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VII 13 08 50 04.2–3.5 53.54N 87.88E 0 2.8,2.4L
ASGSR VII 13 08 50 01.0–.70 53.63N 87.95E 0 2.6,2.4L ¶620928527
IDC Error ellipse: s-maj=26.6km s-min=17.8km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VII 13 09 38 18.3–3.2 53.98N 86.60E 0 2.9,2.8L
ASGSR VII 13 09 38 16.0–.90 53.94N 86.60E 0 2.6,2.8L ¶620928530
IDC Error ellipse: s-maj=25.8km s-min=14.2km az=79.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(546) Austria

VIE VII 13 12 53 07.9–.21 48.62N 15.86E 0 1.1L,1.0b ¶626175523
VIE Event type sm. Error ellipse: s-maj=1.9km s-min=1.1km az=123.0. Suspected Mining explosion.

(546) Austria

VIE VII 13 12 53 19.8–.53 48.62N 15.84E 0 1.0b,1.0L ¶626529417
VIE Event type sm. Error ellipse: s-maj=3.6km s-min=2.0km az=112.0. Suspected Mining explosion.

(464) Minnesota

ISC VII 13 17 28 15.0–.98 47.68N–.05 92.46W–.05 0 20 1-17
NEIC VII 13 17 28 15.7–1.8 47.64N–.04 92.52W–.05 0–2 3.0L,2.7 ¶620928547
IDC VII 13 17 28 17.4–5.7 47.40N 93.35W 0 2.4,0.8L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=7.6km s-min=5.4km az=36.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=109.2km s-min=39.4km az=61.0.

(326) Southwestern Siberia

ASGSR VII 14 07 55 34.0–.50 54.27N 86.87E 0 2.8
NNC VII 14 07 55 34.7–3.3 54.21N 87.09E 0 3.8b,3.0 ¶620928578
IDC VII 14 07 55 36.6–3.2 54.35N 86.93E 0 3.2,2.6L
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=21.0km s-min=12.9km az=78.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.8km s-min=16.0km az=75.0.

(326) Southwestern Siberia

ISC VII 14 08 42 29.1–4.0 53.7N–.10 90.6E–.20 0 14 3-12
ASGSR VII 14 08 42 21.0–2.3 53.73N 91.01E 0 3.2 ¶625331026
IDC VII 14 08 42 26.1–3.3 53.70N 90.84E 0 3.8,2.9L
NNC VII 14 08 42 35.4–1.6 53.32N 90.28E 0 3.7b,3.4
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=26.1km s-min=22.8km az=71.0.
NNC Event type sm. Error ellipse: s-maj=12.4km s-min=10.8km az=68.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VII 14 11 54 15.0 67.65N 34.01E 0 1.9L
HEL VII 14 11 54 15.8–.20 67.67N 33.80E 0 1.7L ¶625331043
BER VII 14 11 54 18.9–1.7 67.58N 33.41E 0 1.7L
KOGSR Event type kh. Error ellipse: s-maj=2.6km s-min=1.3km az=130.0. Khibiny, mines Koashva, Nyurkpakh.
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=20.6km s-min=79.9km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VII 14 11 54 53.0–.70 67.62N–.02 34.10E–.06 0 2.2 ¶626517540
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(646) Northern Norway

ISC VII 14 15 39 08.0–.84 69.24N–.02 23.56E–.02 17–6 224 0-10
IDC VII 14 15 39 08.8–1.1 69.26N 23.51E 0 3.2,2.8L ¶620833526
DNK VII 14 15 39 09.9–.62 69.16N 23.50E 0 3.0L,2.8L
HEL VII 14 15 39 09.4–.10 69.23N 23.54E 8–1 3.0L,2.4L
UPP VII 14 15 39 09.8–1.1 69.16N 23.38E 0 3.0L,2.4L
NAO VII 14 15 39 09.3–.30 69.25N 23.53E 5 2.9L,2.4L
BER VII 14 15 39 10.5–2.9 69.23N 23.62E 15–5 2.9L,2.4L
ISC Event type ke.
IDC Error ellipse: s-maj=14.6km s-min=8.8km az=116.0.
DNK Event type se. Error ellipse: s-maj=4.4km s-min=12.8km az=-1.0. Presumed earthquake.
HEL Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0. Confirmed Earthquake.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=3.9km s-min=8.0km az=-1.0. Confirmed Earthquake.

(456) Montana

ISC VII 14 15 40 18.7–1.4 45.15N–.06 106.89W–.07 0 45 2-9
IDC VII 14 15 40 16.7–1.9 44.92N 106.79W 0 3.6,1.8L ¶620928603
NEIC VII 14 15 40 17.1–1.6 45.09N–.04 106.88W–.03 0–1 2.7L,1.8L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(536) Sweden

ISC VII 15 00 46 35.7–.74 67.19N–.02 20.68E–.02 0 68 0-8
UPP VII 15 00 46 36.2–.00 67.19N 20.65E 0 2.2L ¶620928618
HEL VII 15 00 46 36.8–.00 67.18N 20.65E 1 2.2L,1.7L
IDC VII 15 00 46 37.2–1.3 67.22N 20.59E 0 2.7,2.1L
BER VII 15 00 46 38.2–.99 67.23N 20.52E 1 1.7L,2.1L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=18.2km s-min=9.9km az=118.0.
BER Event type ki. Error ellipse: s-maj=4.6km s-min=14.8km az=-1.0. Confirmed Induced event.

(721) Finland

ISC VII 15 07 37 22.4–.75 63.93N–.03 28.10E–.03 0 66 1-8
BER VII 15 07 37 13.7–.74 63.12N 29.06E 0 2.0L ¶620829348
IDC VII 15 07 37 22.4–2.1 63.98N 28.66E 0 2.7,2.2L
HEL VII 15 07 37 22.2–.10 63.98N 28.07E 0 2.0L,2.2L
MOS VII 15 07 37 23.0–.30 63.95N–.03 28.16E–.03 0 2.0L,2.2L
ISC Event type km.
BER Event type sh. Suspected explosion.
HEL Event type sh. Suspected explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ISC VII 15 08 59 33.0–1.1 53.9N–.10 90.54E–.06 0 18 3-15
ASGSR VII 15 08 59 28.0–2.1 53.72N 91.05E 0 3.5 ¶620928636
IDC VII 15 08 59 34.6–1.4 53.52N 90.73E 0 3.5,3.2L
NNC VII 15 08 59 34.3–3.5 53.86N 90.69E 16–16 3.8b,3.6
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=20.5km s-min=11.1km az=179.0.
NNC Event type sm. Error ellipse: s-maj=30.0km s-min=21.8km az=25.0. Suspected Mining explosion.

(723) Finland-Karelia border region

ISC VII 15 10 00 13.3–.98 64.61N–.05 30.46E–.06 0 21 2-9
IDC VII 15 10 00 17.9–2.6 64.72N 30.55E 0 2.9,2.0L ¶620829515
KOGSR VII 15 10 00 19.2 64.68N 31.30E 0 2.0L,2.0L
ISC Event type kh.
IDC Error ellipse: s-maj=34.5km s-min=10.8km az=99.0.
KOGSR Event type kh. Error ellipse: s-maj=18.6km s-min=9.8km az=150.0. Karelia.

(379) Near south coast of France

STR VII 15 10 04 24.8–.50 44N–3.0 6E–3.0 0 1.6 ¶626066655
STR Event type sm. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.

(538) France

STR VII 15 10 04 28.3–.42 45N–3.0 4E–2.0 0 1.9 ¶626066652
STR Event type sm. LOCSAT. earthModelID auvergne_taup-2.11. hypocenter. preliminary. manual.

(456) Montana

ISC VII 15 15 32 07.3–.94 45.81N–.05 106.79W–.06 0 78 1-9
NEIC VII 15 15 32 06.2–1.4 45.85N–.07 106.69W–.08 0–1 3.4L ¶620928649
IDC VII 15 15 32 08.7–1.3 45.81N 106.67W 0 3.4,3.3L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=11.9km s-min=8.5km az=22.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.9km s-min=11.0km az=139.0.

(536) Sweden

ISC VII 15 17 00 26.8–.94 67.06N–.03 20.97E–.04 0 21 0-7
UPP VII 15 17 00 26.8–.10 67.05N 20.95E 0 2.1L ¶620928650
IDC VII 15 17 00 27.7–1.8 67.18N 20.89E 0 2.9,1.8L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

IDC Error ellipse: s-maj=23.0km s-min=12.7km az=102.0.
(37) Nevada
ISC VII 15 21 14 54.1–.95 41.34N–.04 116.43W–.04 0 20 1-57
NEIC VII 15 21 14 56.5–2.7 41.13N–.02 116.53W–.05 0–1 2.5L ¶620928659
IDC VII 15 21 15 01.1–1.2 41.06N 116.40W 0 3.7b,3.2
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=7.1km s-min=2.4km az=293.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.7km s-min=12.3km az=146.0.
(326) Southwestern Siberia
IDC VII 16 05 20 10.6–2.1 54.74N 83.68E 0 2.9,2.4L
ASGSR VII 16 05 20 09.0–1.1 54.71N 83.62E 0 2.4,2.4L ¶620928686
IDC Error ellipse: s-maj=18.4km s-min=12.1km az=166.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 16 07 05 22.6–3.8 54.40N 86.74E 0 2.9,2.5L
ASGSR VII 16 07 05 20.0–.90 54.38N 86.83E 0 2.7,2.5L ¶620928700
IDC Error ellipse: s-maj=28.8km s-min=17.5km az=64.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 16 07 59 24.0–.40 54.14N 87.24E 0 2.6
IDC VII 16 07 59 22.5–3.6 54.26N 87.43E 0 3.0,2.6L ¶620928703
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=28.8km s-min=24.0km az=61.0.
(326) Southwestern Siberia
IDC VII 16 08 55 08.6–3.2 54.32N 86.10E 0 3.3,2.8L
ASGSR VII 16 08 55 06.0 54.30N 86.12E 0 2.8,2.8L ¶620928706
IDC Error ellipse: s-maj=25.5km s-min=13.0km az=64.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 16 09 05 12.3–3.5 53.58N 87.44E 0 2.7,2.3L
ASGSR VII 16 09 05 09.0–1.2 53.54N 87.54E 0 2.5,2.3L ¶620928707
IDC Error ellipse: s-maj=28.4km s-min=20.9km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 16 09 50 57.4–3.4 53.69N 87.21E 0 2.8,2.1L
ASGSR VII 16 09 51 34.0–.80 53.56N 87.70E 0 2.6,2.1L ¶625331116
IDC Error ellipse: s-maj=34.6km s-min=18.6km az=85.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 16 09 53 02.0–1.1 54.29N 86.84E 0 2.9
IDC VII 16 09 53 03.1–3.3 54.38N 87.02E 0 3.0,2.7L ¶620928711
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=27.5km s-min=18.7km az=72.0.
(723) Finland-Karelia border region
ISC VII 16 10 00 28.7–.86 64.76N–.03 30.58E–.04 0 49 1-10
HEL VII 16 10 00 29.1–.20 64.78N 30.85E 0 1.9L ¶620928712
IDC VII 16 10 00 31.7–3.3 64.72N 30.53E 0 2.9,1.7L
KOGSR VII 16 10 00 32.0–.60 64.8N–.20 30.8E–.20 0 2.2,1.7L
ISC Event type km.
HEL Event type kh. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(721) Finland
HEL VII 16 10 00 58.8–.20 63.08N 23.10E 0 1.2L
¶626244947
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0. Explosion.
(326) Southwestern Siberia
IDC VII 16 11 05 12.4–3.4 53.94N 91.06E 0 2.9,2.8L
ASGSR VII 16 11 05 12.0–1.4 53.74N 91.06E 0 3.3,2.8L ¶620928713
IDC Error ellipse: s-maj=28.3km s-min=25.3km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(536) Sweden
ISC VII 16 12 30 35.9–.74 67.41N–.02 23.22E–.03 0 59 0-6
UPP VII 16 12 30 35.6–.20 67.41N 23.36E 0 2.0L ¶620928716
HEL VII 16 12 30 35.8–.20 67.45N 23.52E 0 1.6L
IDC VII 16 12 30 36.7–2.2 67.45N 23.40E 0 3.0,1.9L
BER VII 16 12 30 39.9–.95 67.57N 23.11E 0 1.6L,1.9L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=5.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=33.7km s-min=11.4km az=94.0.
BER Event type sh. Error ellipse: s-maj=10.6km s-min=22.6km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 16 13 18 01.0–.78 68.15N–.02 33.18E–.03 0 66 1-7
HEL VII 16 13 18 01.9–.10 68.17N 33.19E 0 1.6L ¶620928718
BER VII 16 13 18 01.6–.70 67.97N 33.36E 0 1.6L
KOGSR VII 16 13 18 02.0–.40 68.14N–.01 33.21E–.06 0 2.2
IDC VII 16 13 18 02.3–3.8 68.17N 33.24E 0 2.9,2.0L
ISC Event type km.
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=2.1km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=6.5km s-min=12.7km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=36.2km s-min=14.1km az=76.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 16 15 37 52.2–.91 67.64N–.03 34.22E–.04 0 52 0-12
BER VII 16 15 37 51.6–.43 67.53N 34.64E 0 1.9L ¶620928668
KOGSR VII 16 15 37 52.0–.40 67.63N–.02 34.25E–.06 0 2.5
HEL VII 16 15 37 53.1–.20 67.71N 34.10E 0 1.9L
IDC VII 16 15 37 55.8–3.4 67.63N 33.84E 0 3.1,2.2L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=3.8km s-min=9.6km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=2.6km s-min=4.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=34.6km s-min=14.1km az=81.0.
(464) Minnesota
ISC VII 16 17 20 13.8–.95 47.68N–.05 92.36W–.04 0 19 1-17
NEIC VII 16 17 20 17.4–1.8 47.60N–.05 92.38W–.06 0–2 2.7L,2.7 ¶620928722
IDC VII 16 17 20 23.1–5.6 47.49N 93.42W 0 2.3,1.2L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.5km s-min=7.1km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.1km s-min=38.8km az=61.0.
(513) Off east coast of United States
ISC VII 16 17 48 32.4–.73 30.08N–.07 79.36W–.08 0 4.0b 150 2-30
NEIC VII 16 17 48 33.5–1.5 30.09N–.03 79.33W–.07 0–2 3.9L,3.9b ¶620832590
ISC Event type sx.
NEIC Event type sx. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(713) Central Kazakhstan
ISC VII 17 07 05 45.6–1.1 51.8N–.10 74.11E–.09 0 9 3-10
NNC VII 17 07 05 45.2–1.2 51.91N 74.31E 0 2.7b,2.4 ¶620928756
IDC VII 17 07 05 46.0–1.4 51.81N 74.06E 0 2.6,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=21.3km s-min=8.1km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=34.0km s-min=10.6km az=32.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 17 11 20 05.5–1.1 67.57N–.05 30.72E–.05 0 15 1-6
KOGSR VII 17 11 20 05.0–.40 67.55N–.03 30.49E–.10 0 ¶620928767
IDC VII 17 11 20 07.5–3.5 67.57N 30.40E 0 2.7,1.6L
ISC Event type km.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=55.2km s-min=20.4km az=78.0.
(548) Poland
ISC VII 17 15 57 23.6–.68 51.65N–.03 16.05E–.02 0 176 1-12
IDC VII 17 15 57 24.0–1.1 51.70N 15.97E 0 3.2,2.7L ¶620833195
DNK VII 17 15 57 25.7–.80 51.71N 15.94E 0 2.2L,2.7L
IPEC VII 17 15 57 25.4–.19 51.60N 16.13E 1 2.9L,2.7L
BGR VII 17 15 57 26.6–.45 51.57N 16.06E 1 3.1L,2.7L
GFZ VII 17 15 57 28.1–.40 52N–4.0 16E–3.0 10 3.7b,3.3
VIE VII 17 15 57 28.7–1.1 51.35N 15.89E 0 3.3s,2.8b
ISC Event type sr.
IDC Error ellipse: s-maj=15.4km s-min=10.4km az=110.0.
DNK Event type sh. Error ellipse: s-maj=6.1km s-min=21.6km az=-1.0. Suspected explosion.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.2km az=72.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=16.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VIE Event type sr. Error ellipse: s-maj=6.7km s-min=4.7km az=159.0. Suspected Mining induced.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 18 04 04 54.0–.20 67.62N–.03 33.87E–.09 0 1.8
HEL VII 18 04 04 54.4–.20 67.62N 33.90E 0 1.2L ¶625331159
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type sh. Error ellipse: s-maj=2.1km s-min=4.4km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 18 04 05 53.8 67.64N 33.78E 0 1.3L
¶626518328
KOGSR Event type kh. Error ellipse: s-maj=3.9km s-min=1.1km az=140.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
HEL VII 18 04 18 13.8–.10 67.82N 33.70E 0 1.3L
KOGSR VII 18 04 18 12.0–.20 67.65N–.03 33.76E–.07 0 1.6 ¶625331160
HEL Event type kh. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(590) Western Australia
AUST VII 18 05 31 20.1–.31 23S–2.0 120E–5.0 5 4.1b,3.2L
¶620833280
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
(547) Czech and Slovak Republics
ISC VII 18 10 30 21.1–.76 49.81N–.03 18.54E–.02 0 57 0-4
VIE VII 18 10 30 21.5–.26 49.89N 18.54E 0 2.6L,2.2b ¶620833939
IPEC VII 18 10 30 21.7–.16 49.83N 18.57E 1 2.2L,2.2b
BRA VII 18 10 30 22.6–.34 49.83N 18.51E 7–3 2.1L,2.2b
PRU VII 18 10 30 23.4 49.84N 18.50E 0 2.1L,2.2b
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=3.2km s-min=1.9km az=159.0. Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.5km s-min=1.0km az=166.0.
BRA Event type kr. Error ellipse: s-maj=2.4km s-min=1.8km az=0.0. Mining induced.
PRU Event type ki. Mining Induced Event Csm, E=5.8e+05.
(329) Eastern Kazakhstan
ISC VII 18 13 09 35.1–3.6 50.02N–.05 77.8E–.30 0 9 1-13
NNC VII 18 13 09 38.0–2.4 49.92N 78.43E 0 2.6b,2.2 ¶620928817
IDC VII 18 13 09 41.5–1.4 50.04N 78.79E 0 2.3,1.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=28.9km s-min=13.2km az=95.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.5km s-min=10.1km az=68.0.
(536) Sweden
ISC VII 18 23 19 19.7–.77 67.84N–.02 20.16E–.02 0 55 0-8
UPP VII 18 23 19 18.5–.00 67.85N 20.21E 0 1.9L ¶620928850
IDC VII 18 23 19 23.0–1.7 67.93N 20.56E 0 2.8,2.0L
HEL VII 18 23 19 24.7–.50 67.81N 20.41E 0 1.8L,2.0L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=22.3km s-min=10.7km az=115.0.
HEL Event type sh. Error ellipse: s-maj=2.0km s-min=10.1km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
IDC VII 19 03 31 11.5–3.7 53.75N 87.89E 0 2.6,2.2L
ASGSR VII 19 03 31 10.0–1.3 53.62N 87.97E 0 2.4,2.2L ¶620928854
IDC Error ellipse: s-maj=28.8km s-min=22.3km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(374) Jordan-Syria region
NIC VII 19 05 02 30.6 33.66N 33.68E 17–6 2.0L
GII VII 19 05 02 32.8–.00 33.211N–.00 37.109E–.00 0 2.0L ¶620834157
GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
(326) Southwestern Siberia
IDC VII 19 06 54 47.2–3.2 53.77N 86.47E 0 2.6,2.4L
ASGSR VII 19 06 54 43.0–.40 53.99N 86.61E 0 2.6,2.4L ¶620928859
IDC Error ellipse: s-maj=27.9km s-min=14.8km az=86.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 19 08 59 53.1–4.3 54.30N 86.77E 0 3.0,2.8L
ASGSR VII 19 08 59 50.0–.60 54.27N 86.88E 0 2.8,2.8L ¶620928862
IDC Error ellipse: s-maj=39.1km s-min=18.5km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 19 09 55 08.0 54.20N 87.17E 0 2.6
IDC VII 19 09 55 07.8–4.2 54.23N 87.30E 0 2.8,2.7L ¶620928865
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.3km s-min=21.8km az=66.0.
(383) Northwestern Balkan Peninsula
VIE VII 19 11 58 28.0–.28 46.67N 15.21E 0 0.5L
¶621141152
VIE Event type sm. Error ellipse: s-maj=2.3km s-min=1.0km az=19.0. Suspected Mining explosion.
(546) Austria
LJU VII 19 11 59 15.0 46.05N 13.64E 0 0.6L
¶626517522
LJU Event type kh. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VII 19 20 04 13.6–.10 67.51N 33.67E 0 1.0L
¶625331204
HEL Event type kh. Error ellipse: s-maj=3.9km s-min=8.8km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 19 20 05 02.0–.20 67.67N–.02 33.75E–.03 0 1.6
¶626517531
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(548) Poland
ISC VII 19 20 35 01.2–.70 51.55N–.03 16.15E–.03 0 109 1-19
IPEC VII 19 20 35 02.7–.19 51.49N 16.17E 1 2.8L ¶620844168
IDC VII 19 20 35 02.9–1.2 51.52N 15.95E 0 3.2,2.5L
DNK VII 19 20 35 03.9–1.9 51.64N 15.94E 0 2.2L,2.5L
PRU VII 19 20 35 04.3 51.44N 16.14E 0 2.2L,2.5L
VIE VII 19 20 35 04.3–.71 51.39N 16.11E 0 2.8L,2.4b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=64.0.
IDC Error ellipse: s-maj=21.1km s-min=9.9km az=110.0.
DNK Event type sh. Error ellipse: s-maj=11.5km s-min=31.8km az=-1.0. Suspected explosion.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=9.4km s-min=3.8km az=59.0. Suspected Mining induced.
(536) Sweden
ISC VII 19 23 22 14.5–.69 58.52N–.02 17.51E–.02 0 114 0-12
DNK VII 19 23 22 15.5–2.1 58.53N 17.56E 0 2.6L ¶620834064
UPP VII 19 23 22 15.1–.10 58.52N 17.52E 0 2.9L
HEL VII 19 23 22 15.8–.10 58.51N 17.50E 0 2.0L
IDC VII 19 23 22 19.0–2.7 58.81N 17.51E 0 3.1,2.6L
BER VII 19 23 22 26.9–1.3 58.69N 16.17E 0 2.9L,2.6L
ISC Event type kh.
DNK Event type kh. Error ellipse: s-maj=2.5km s-min=6.1km az=-1.0. Explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.8km az=-1.0. Explosion.
IDC Error ellipse: s-maj=30.9km s-min=10.1km az=1.0.
BER Event type sh. Error ellipse: s-maj=14.3km s-min=95.0km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
IDC VII 20 06 29 35.7–4.3 54.20N 86.85E 0 2.7,2.6L
ASGSR VII 20 06 29 35.0–.90 54.14N 86.39E 0 2.5,2.6L ¶620961575
IDC Error ellipse: s-maj=39.7km s-min=19.5km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
ASGSR VII 20 07 09 31.0–.90 54.22N 87.23E 0 2.7
IDC VII 20 07 09 32.9–4.3 54.27N 87.30E 0 2.9,2.6L ¶620961578
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.1km s-min=23.8km az=60.0.
(326) Southwestern Siberia
ASGSR VII 20 08 10 03.0–1.6 54.19N 87.20E 0 2.5
IDC VII 20 08 10 09.0–4.2 54.23N 87.28E 0 2.7,2.4L ¶620961582
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.5km s-min=22.2km az=65.0.
(326) Southwestern Siberia
ASGSR VII 20 08 28 44.0–.60 54.17N 87.07E 0 2.7
IDC VII 20 08 28 44.1–4.4 54.23N 87.35E 0 2.6,2.3L ¶620961585
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.4km s-min=22.0km az=64.0.
(326) Southwestern Siberia
IDC VII 20 08 33 21.4–3.5 53.42N 87.15E 0 2.7,2.5L
ASGSR VII 20 08 33 15.0–.60 53.44N 87.17E 0 2.3,2.5L ¶620961586
IDC Error ellipse: s-maj=34.2km s-min=20.2km az=81.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(538) France
STR VII 20 08 54 52.8–.58 46N–3.0 5E–6.0 0 1.5
¶626517534
STR Event type sm. LOCSAT. earthModelID auvergne_taup-2.11. hypocenter. preliminary. manual.
(326) Southwestern Siberia
IDC VII 20 09 10 34.7–3.5 53.70N 86.99E 0 2.5,2.4L
ASGSR VII 20 09 10 31.0–.90 53.73N 86.76E 0 2.2,2.4L ¶620961588
IDC Error ellipse: s-maj=36.0km s-min=19.9km az=80.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 20 09 25 05.6–3.6 53.63N 87.82E 0 2.6,2.2L
ASGSR VII 20 09 25 01.0 53.63N 87.93E 0 2.7,2.2L ¶620961590
IDC Error ellipse: s-maj=26.6km s-min=21.0km az=66.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 20 09 33 02.2–4.5 54.18N 86.81E 0 2.5,2.4L
ASGSR VII 20 09 32 54.0–.90 54.16N 87.10E 0 2.3,2.4L ¶620961591
IDC Error ellipse: s-maj=39.7km s-min=19.4km az=67.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 20 09 35 14.6–1.6 54.57N 83.72E 0 3.2,2.8L
ASGSR VII 20 09 35 13.0–.80 54.64N 83.66E 0 2.7,2.8L ¶620961592
IDC Error ellipse: s-maj=14.5km s-min=10.5km az=162.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 20 09 46 35.5–1.7 54.61N 83.70E 0 3.3,2.9L
ASGSR VII 20 09 46 34.0–.70 54.64N 83.66E 0 2.7,2.9L ¶620961593
IDC Error ellipse: s-maj=14.8km s-min=10.5km az=162.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 20 09 50 10.7–3.4 53.93N 86.57E 0 3.0,2.7L
ASGSR VII 20 09 50 07.0–1.1 53.93N 86.62E 0 2.6,2.7L ¶620961595
IDC Error ellipse: s-maj=26.0km s-min=13.6km az=84.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 20 09 58 17.7–3.4 53.44N 87.13E 0 2.9,2.5L
ASGSR VII 20 09 58 13.0–1.1 53.43N 87.20E 0 2.7,2.5L ¶620961596
IDC Error ellipse: s-maj=34.4km s-min=20.3km az=80.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(722) Norway-Murmansk border region
BER VII 20 16 00 52.7–1.6 69.47N 30.69E 0 1.5L
HEL VII 20 16 00 50.6–.40 69.41N 30.77E 0 1.5L ¶625331235
KOGSR VII 20 16 00 53.0–.40 69.48N–.04 30.5E–.20 0 1.6
BER Event type sh. Suspected explosion.
HEL Event type kh. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(722) Norway-Murmansk border region
HEL VII 20 16 02 49.1–.40 69.40N 30.76E 0 1.3L
BER VII 20 16 02 51.8–1.1 69.91N 30.65E 0 1.3L ¶626175708
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=6.4km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=14.9km s-min=28.2km az=-1.0. Suspected explosion.
(721) Finland
HEL VII 20 16 02 56.8–.20 65.79N 24.62E 0 1.0L
¶626245022
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0. Suspected explosion.
(460) Wyoming
ISC VII 20 20 50 02.7–.54 43.66N–.06 105.18W–.05 0 4.0b 127 1-90
NEIC VII 20 20 50 02.3–.85 43.62N–.06 105.21W–.06 0–1 4.0b,3.8L ¶620961611
IDC VII 20 20 50 02.8–.74 43.57N 105.17W 0 3.9b,3.8
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.9km s-min=7.7km az=18.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=9.0km az=147.0.
(326) Southwestern Siberia
IDC VII 21 07 30 05.7–3.2 53.61N 87.83E 0 2.8,2.5L
ASGSR VII 21 07 30 02.0–1.6 53.64N 87.93E 0 2.5,2.5L ¶620961640
IDC Error ellipse: s-maj=26.6km s-min=22.0km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 21 07 49 54.2–3.5 53.64N 88.33E 0 2.6,2.0L
ASGSR VII 21 07 49 57.0–1.7 53.68N 88.21E 0 2.4,2.0L ¶620961641
IDC Error ellipse: s-maj=29.4km s-min=24.2km az=48.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 21 07 59 51.7–3.7 54.06N 86.59E 0 3.2,2.9L
ASGSR VII 21 07 59 50.0–.50 54.04N 86.52E 0 2.4,2.9L ¶620961642
IDC Error ellipse: s-maj=31.5km s-min=14.3km az=75.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(546) Austria
VIE VII 21 10 04 00.1–.11 47.07N 15.08E 0 1.1L
¶621141204
VIE Event type sm. Error ellipse: s-maj=1.0km s-min=0.7km az=102.0. Suspected Mining explosion.
(383) Northwestern Balkan Peninsula
LJU VII 21 10 04 28.1 46.27N 14.62E 0
¶626517525
LJU Event type kh. Explosion.
(547) Czech and Slovak Republics
BRA VII 21 10 40 42.6–.62 48.48N 19.55E 0
¶621141205
BRA Event type sm. Error ellipse: s-maj=4.8km s-min=3.1km az=0.0. Suspected Mining explosion.
(547) Czech and Slovak Republics
KRSZO VII 21 10 40 57.2–1.3 48.49N 20.78E 0 1.3L
¶626517530
KRSZO Event type sx. Error ellipse: s-maj=11.3km s-min=3.6km az=15.0. Suspected Explosion.
(547) Czech and Slovak Republics
BRA VII 21 10 41 40.5–.49 48.48N 19.55E 0
¶625422017
BRA Event type sm. Error ellipse: s-maj=4.3km s-min=2.2km az=0.0. Suspected Mining explosion.
(536) Sweden
ISC VII 21 12 30 21.1–.72 67.44N–.02 23.17E–.03 0 69 0-8
UPP VII 21 12 30 21.3–.20 67.42N 23.37E 0 2.3L ¶620842799
IDC VII 21 12 30 22.3–1.5 67.48N 23.34E 0 3.2,2.3L
HEL VII 21 12 30 22.1–.10 67.43N 23.35E 0 1.9L,2.3L
BER VII 21 12 30 23.2–1.1 67.46N 23.48E 0 1.9L,2.3L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=24.0km s-min=10.5km az=102.0.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.8km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=25.0km s-min=67.2km az=-1.0. Suspected explosion.
(536) Sweden
ISC VII 21 14 22 03.3–.80 65.72N–.02 22.18E–.03 0 42 1-5
HEL VII 21 14 22 03.7–.10 65.69N 22.12E 0 1.4L ¶620961658
IDC VII 21 14 22 05.5–2.5 65.70N 22.61E 0 2.9,2.1L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=42.3km s-min=11.4km az=86.0.
(721) Finland
HEL VII 21 14 22 46.2–.20 65.86N 28.86E 0 0.8L
¶626245055
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.5km az=-1.0. Explosion.
(536) Sweden
ISC VII 21 17 00 35.8–.86 67.03N–.03 20.96E–.03 0 25 0-8
IDC VII 21 17 00 36.7–1.2 67.06N 20.79E 0 2.7,2.0L ¶620842809
UPP VII 21 17 00 36.5–.10 67.05N 20.96E 0 2.0L,2.0L
ISC Event type sh.
IDC Error ellipse: s-maj=17.7km s-min=8.5km az=118.0.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
ASGSR VII 22 06 04 20.0–1.1 54.36N 86.87E 0 2.6
IDC VII 22 06 04 20.4–3.5 54.45N 87.06E 0 2.9,2.7L ¶620967808
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=28.1km s-min=19.2km az=71.0.
(326) Southwestern Siberia
ASGSR VII 22 06 29 54.0–.50 54.61N 86.56E 0 2.2
IDC VII 22 06 29 52.6–3.5 54.78N 86.72E 0 2.9,2.7L ¶620967810
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=28.1km s-min=19.8km az=55.0.
(326) Southwestern Siberia
ASGSR VII 22 07 55 14.0–.90 54.40N 86.92E 0 2.5
IDC VII 22 07 55 15.6–4.4 54.42N 87.00E 0 2.6,2.4L ¶620967816
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=42.2km s-min=21.3km az=63.0.
(326) Southwestern Siberia
IDC VII 22 09 06 16.7–2.0 54.65N 83.80E 0 2.7,2.4L
ASGSR VII 22 09 06 15.0–1.4 54.68N 83.59E 0 2.4,2.4L ¶620967817
IDC Error ellipse: s-maj=17.4km s-min=11.4km az=158.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 22 09 31 42.8–2.9 54.67N 83.76E 0 2.6,2.3L
ASGSR VII 22 09 31 41.0–1.4 54.67N 83.62E 0 2.3,2.3L ¶620967819
IDC Error ellipse: s-maj=24.5km s-min=12.2km az=153.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 22 09 55 06.6–3.4 54.23N 86.15E 0 3.2,2.7L
ASGSR VII 22 09 55 03.0–1.1 54.31N 86.14E 0 2.7,2.7L ¶620967820
IDC Error ellipse: s-maj=25.7km s-min=12.4km az=67.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 22 10 23 20.2–.92 64.73N–.03 30.83E–.04 0 51 1-10
MOS VII 22 10 23 20.0–.60 64.72N–.05 31.01E–.03 0 1.9 ¶620844703
HEL VII 22 10 23 20.0–.20 64.71N 30.78E 0 1.9L
IDC VII 22 10 23 22.3–2.4 64.71N 30.27E 0 2.8,2.0L
KOGSR VII 22 10 23 24.8 64.93N 30.15E 0 2.1L,2.0L
ISC Event type km.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=5.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=30.8km s-min=11.4km az=101.0.
KOGSR Event type kh. Karelia,Finland, Oulu area.
(723) Finland-Karelia border region
KOGSR VII 22 10 24 17.4 64.80N 30.57E 0 2.2L
¶626332248
KOGSR Event type kh. Error ellipse: s-maj=19.9km s-min=12.0km az=170.0. Kostomuksha, Karelia.
(464) Minnesota
ISC VII 22 17 15 24.9–.76 47.50N–.03 92.92W–.03 0 25 1-20
NEIC VII 22 17 15 27.5–1.5 47.51N–.02 92.82W–.01 0–1 3.2L,3.1 ¶620967840
IDC VII 22 17 15 29.6–3.2 47.49N 93.35W 0 3.5,1.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=3.7km s-min=2.9km az=19.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.5km s-min=15.2km az=85.0.
(536) Sweden
ISC VII 22 23 15 49.1–.97 67.83N–.03 20.23E–.03 0 25 0-8
IDC VII 22 23 15 46.9–2.1 67.99N 19.41E 0 3.0,1.9L ¶620967859
UPP VII 22 23 15 49.1–.00 67.85N 20.20E 0 2.0L,1.9L
ISC Event type sh.
IDC Error ellipse: s-maj=32.3km s-min=12.7km az=125.0.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(713) Central Kazakhstan
ISC VII 23 05 21 58.2–.92 43.04N–.03 74.90E–.02 0 35 0-3
SOME VII 23 05 21 56.2 43.02N 74.77E ¶621148037
KNET VII 23 05 21 57.6–.22 43.05N 74.89E 8–2 1.3L
KRNET VII 23 05 21 57.5–.10 43.03N 74.90E 2.9b
NNC VII 23 05 21 58.0–.49 43.05N 74.86E 0 2.7b,2.4
ISC Event type sm.
SOME Event type kx.
KNET Error ellipse: s-maj=1.4km s-min=1.1km az=42.0.
KRNET Event type kh.
NNC Event type sm. Error ellipse: s-maj=7.5km s-min=1.8km az=138.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC VII 23 06 19 12.8–3.7 54.02N 86.43E 0 2.5,2.3L
ASGSR VII 23 06 19 08.0–1.2 54.06N 86.54E 0 2.3,2.3L ¶620967889
IDC Error ellipse: s-maj=31.7km s-min=15.2km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 23 06 59 23.1–3.5 54.19N 86.41E 0 2.7,2.6L
ASGSR VII 23 06 59 20.0–1.1 54.18N 86.40E 0 2.6,2.6L ¶620967893
IDC Error ellipse: s-maj=26.6km s-min=14.5km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 23 07 05 17.2–4.0 53.39N 87.60E 0 2.5,2.0L
ASGSR VII 23 07 05 16.0–1.1 53.44N 87.46E 0 2.3,2.0L ¶620967894
IDC Error ellipse: s-maj=36.6km s-min=20.3km az=66.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 23 07 30 27.5–3.8 54.15N 86.27E 0 2.7,2.5L
ASGSR VII 23 07 30 22.0–1.1 54.18N 86.40E 0 2.4,2.5L ¶620967896
IDC Error ellipse: s-maj=32.0km s-min=12.7km az=72.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 23 07 49 21.3–4.0 54.04N 86.70E 0 2.9,2.5L
ASGSR VII 23 07 49 21.0 54.04N 86.59E 0 2.5,2.5L ¶620967897
IDC Error ellipse: s-maj=34.2km s-min=16.1km az=74.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 23 07 54 39.8–3.7 53.89N 86.72E 0 2.8,2.3L
ASGSR VII 23 07 54 37.0–.70 53.92N 86.62E 0 2.3,2.3L ¶620967898
IDC Error ellipse: s-maj=32.4km s-min=16.7km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 23 08 44 46.5–2.2 61.85N–.07 31.7E–.10 0 24 1-9
MOS VII 23 08 44 48.0–.90 61.90N–.07 31.50E–.03 0 1.9 ¶620967900
HEL VII 23 08 44 48.1–.10 61.85N 31.41E 0 1.7L
IDC VII 23 08 44 52.0–5.1 61.95N 30.87E 0 3.4,2.3L
ISC Event type km.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0. Explosion.
IDC Error ellipse: s-maj=54.0km s-min=21.2km az=137.0.

(326) Southwestern Siberia
IDC VII 23 08 55 03.3–3.3 53.89N 86.49E 0 3.0,2.6L
ASGSR VII 23 08 54 58.0–.80 53.90N 86.63E 0 2.4,2.6L **¶620967902**
IDC Error ellipse: s-maj=25.7km s-min=13.9km az=86.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(721) Finland
ISC VII 23 11 07 25.3–.84 62.70N–.03 21.64E–.03 0 31 1-7
HEL VII 23 11 07 27.1–.00 62.68N 21.61E 0 1.2L **¶620967910**
IDC VII 23 11 07 29.1–3.6 62.72N 21.88E 0 2.6,1.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=43.5km s-min=16.4km az=72.0.
(332) Northern Xinjiang
ISC VII 23 11 17 07.9–1.7 44.20N–.07 81.65E–.08 0 23 1-3
NNC VII 23 11 17 09.7–1.2 44.30N 81.56E 0 2.8b,2.6 **¶621252086**
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=11.9km s-min=5.4km az=129.0. Suspected Mining explosion.
(536) Sweden
ISC VII 23 12 30 02.1–.72 67.44N–.02 23.59E–.02 0 57 0-8
HEL VII 23 12 30 03.3–.10 67.44N 23.37E 0 1.4L **¶620967913**
IDC VII 23 12 30 03.9–1.5 67.48N 23.23E 0 2.7,2.1L
BER VII 23 12 30 05.1–1.5 67.44N 23.39E 0 1.4L,2.1L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=25.6km s-min=11.2km az=98.0.
BER Event type sh. Error ellipse: s-maj=6.9km s-min=18.2km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 23 12 37 49.7–.97 68.12N–.03 32.98E–.04 0 34 1-7
HEL VII 23 12 37 49.3–.30 68.15N 33.17E 0 1.4L **¶620967914**
KOGSR VII 23 12 37 50.0–.50 68.10N–.01 33.2E–.10 0 1.9
IDC VII 23 12 37 50.8–4.1 68.15N 33.02E 0 2.8,2.0L
ISC Event type km.
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=4.4km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=48.8km s-min=20.8km az=63.0.
(460) Wyoming
ISC VII 23 15 25 39.8–1.1 43.98N–.10 105.26W–.06 0 11 1-9
NEIC VII 23 15 25 39.6–2.3 44.06N–.05 105.33W–.06 0–1 2.8L **¶620967923**
IDC VII 23 15 25 40.6–2.0 44.26N 105.68W 0 3.1,3.0L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.4km s-min=5.3km az=323.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.5km s-min=12.4km az=144.0.
(464) Minnesota
ISC VII 23 16 23 41.6–.99 47.46N–.05 92.58W–.05 0 10 1-16
NEIC VII 23 16 23 43.1–.57 47.60N–.01 92.58W–.09 0–2 2.9 **¶620967926**
IDC VII 23 16 23 49.4–4.5 47.65N 93.36W 0 2.8,1.0L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.6km s-min=3.1km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.2km s-min=21.8km az=101.0.
(456) Montana
ISC VII 23 16 37 20.6–.87 46.01N–.06 106.66W–.04 0 20 1-8
IDC VII 23 16 37 23.7–1.2 45.88N 106.69W 0 3.3,3.1L **¶620967929**
NEIC VII 23 16 37 25.2–1.2 45.88N–.05 106.73W–.05 0–1 3.1L,2.9
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(383) Northwestern Balkan Peninsula
LJU VII 23 22 52 20.2 46.39N 15.07E 0 0.3L
VIE VII 23 22 52 20.5–.19 46.41N 15.09E 0 0.8L,0.5b **¶621141267**
LJU Event type kr. Confirmed Rockburst.
VIE Event type sr. Error ellipse: s-maj=1.7km s-min=1.0km az=19.0. Suspected Mining induced.
(724) Baltic States-Belarus-Northwestern Russia
ISC VII 24 11 17 47.4–.76 67.56N–.03 30.47E–.02 0 58 0-10
HEL VII 24 11 17 47.9–.20 67.57N 30.40E 0 1.8L **¶620970211**
IDC VII 24 11 17 49.9–3.2 67.64N 30.31E 0 2.8,1.9L
KOGSR VII 24 11 17 49.0–.70 67.58N–.03 30.51E–.06 0 2.3,1.9L
BER VII 24 11 17 51.3–.67 67.58N 30.18E 0 1.8L,1.9L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.8km az=-1.0. Explosion.
IDC Error ellipse: s-maj=43.1km s-min=13.5km az=83.0.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
BER Event type sh. Error ellipse: s-maj=49.2km s-min=156.8km az=-1.0. Suspected explosion.
(460) Wyoming
ISC VII 24 20 06 44.0–.89 43.52N–.05 105.22W–.05 0 52 1-14
NEIC VII 24 20 06 42.8–1.4 43.55N–.05 105.22W–.05 0–1 3.2L **¶620970246**
IDC VII 24 20 06 46.3–1.3 43.73N 105.55W 0 3.3L,3.1
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.8km s-min=5.0km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.7km s-min=11.5km az=145.0.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 25 04 04 29.5 67.65N 33.75E 0 1.2L
HEL VII 25 04 04 30.0–.30 67.84N 33.61E 0 1.3L **¶625331367**
KOGSR Event type kh. Error ellipse: s-maj=3.2km s-min=0.7km az=150.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type sh. Error ellipse: s-maj=4.5km s-min=5.2km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 25 04 05 04.0–.40 67.64N–.03 33.79E–.07 0 1.7
¶626517520
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(332) Northern Xinjiang
ISC VII 25 12 19 37.3–2.0 44.3N–.10 81.5E–.20 0 10 1-3
SOME VII 25 12 19 35.1 44.25N 81.73E 10 **¶621252184**
NNC VII 25 12 19 38.0–.86 44.12N 81.69E 0 2.9b,2.5
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=12.7km s-min=3.5km az=130.0. Suspected Mining explosion.
(460) Wyoming
ISC VII 25 17 45 38.9–1.1 43.55N–.06 105.21W–.06 0 19 1-10
NEIC VII 25 17 45 38.2–.84 43.57N–.03 105.20W–.08 0–1 2.7L **¶620973782**
IDC VII 25 17 45 41.1–2.6 44.00N 105.56W 0 3.2,1.8L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=11.2km s-min=3.6km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.5km s-min=13.4km az=146.0.
(548) Poland
PRU VII 25 20 56 10.9 50.21N 18.92E 0
BRA VII 25 20 56 12.2–1.9 50.10N 18.96E 10 **¶624581415**
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=10.0km s-min=6.2km az=0.0. Mining induced.
(326) Southwestern Siberia
IDC VII 26 06 45 14.9–3.9 53.47N 87.47E 0 2.4,2.0L
ASGSR VII 26 06 45 11.0 53.47N 87.51E 0 2.3,2.0L **¶620973818**
IDC Error ellipse: s-maj=37.4km s-min=19.8km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(329) Eastern Kazakhstan
ISC VII 26 07 08 26.3–1.0 49.99N–.05 78.55E–.08 0 28 1-13
NNC VII 26 07 08 25.0–.39 49.98N 78.66E 0 3.2b,2.7 **¶620973823**
IDC VII 26 07 08 27.2–1.4 50.04N 78.77E 0 2.6,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.9km s-min=2.1km az=84.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.9km s-min=10.0km az=67.0.
(326) Southwestern Siberia
IDC VII 26 07 14 54.6–4.1 54.16N 86.60E 0 2.6,2.4L
ASGSR VII 26 07 14 52.0–1.5 54.14N 86.43E 0 2.6,2.4L **¶620973824**
IDC Error ellipse: s-maj=34.5km s-min=15.9km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 26 07 21 59.4–3.3 53.73N 88.08E 0 2.6,2.4L
ASGSR VII 26 07 21 56.0 53.66N 88.21E 0 2.6,2.4L **¶620973825**
IDC Error ellipse: s-maj=27.4km s-min=22.6km az=57.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 26 09 11 50.4–3.6 53.80N 90.95E 0 2.7,2.3L
ASGSR VII 26 09 11 49.0–1.6 53.74N 91.06E 0 2.6,2.3L **¶620973828**
IDC Error ellipse: s-maj=27.0km s-min=21.8km az=70.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(548) Poland
ISC VII 26 09 48 03.4–.94 50.14N–.04 18.99E–.03 0 57 1-4
IPEC VII 26 09 48 03.7–.21 50.18N 19.04E 1 2.6L **¶620859501**
PRU VII 26 09 48 04.5 50.20N 18.98E 0 2.6L
VIE VII 26 09 48 04.7–1.0 50.28N 18.89E 0 2.8L,2.2b
BRA VII 26 09 48 05.1–.84 50.18N 19.01E 21–3 2.6L,2.2b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=0.9km az=12.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=7.9km s-min=4.4km az=103.0. Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=5.2km s-min=2.2km az=0.0. Mining induced.
(326) Southwestern Siberia
IDC VII 26 09 50 04.4–3.4 53.52N 87.77E 0 3.0,2.7L
ASGSR VII 26 09 50 03.0–1.6 53.52N 87.97E 0 2.6,2.7L **¶620973831**
IDC Error ellipse: s-maj=25.5km s-min=16.5km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(548) Poland
ISC VII 26 10 26 07.1–.91 50.19N–.04 18.73E–.03 0 74 1-5
IPEC VII 26 10 26 06.9–.20 50.21N 18.78E 1 2.7L **¶620859502**
VIE VII 26 10 26 08.0–.68 50.26N 18.63E 0 2.8L,2.2b
BRA VII 26 10 26 08.1–.95 50.23N 18.74E 8–3 2.3L,2.2b
BGR VII 26 10 26 09.2–.99 50.23N 18.65E 1 2.9L,2.2b
PRU VII 26 10 26 10.2 50.18N 18.57E 0 2.9L,2.2b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.0km az=6.0.
VIE Event type sr. Error ellipse: s-maj=4.8km s-min=2.7km az=72.0. Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=5.7km s-min=2.5km az=0.0. Mining induced.
BGR Event type ki. Error ellipse: s-maj=12.2km s-min=8.9km az=71.0.
PRU Event type ki.
(536) Sweden
ISC VII 26 10 35 13.1–.87 64.13N–.03 19.55E–.03 0 25 0-6
UPP VII 26 10 35 13.6–.00 64.13N 19.59E 0 2.1L **¶620973835**
BER VII 26 10 35 17.2–1.1 64.23N 19.89E 0 2.1L
IDC VII 26 10 36 05.0–1.4 62.96N 22.14E 0 2.5,1.5L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=9.2km s-min=20.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=20.1km s-min=15.6km az=178.0.
(548) Poland
ISC VII 26 10 56 09.6–1.0 50.11N–.04 19.25E–.03 0 66 1-4
IPEC VII 26 10 56 09.0–.19 50.18N 19.34E 0 2.5L **¶620859503**
BRA VII 26 10 56 11.0–.90 50.13N 19.29E 11–3 2.6L
VIE VII 26 10 56 11.2–.95 50.15N 19.21E 0 2.6L,2.4b
PRU VII 26 10 56 13.9 50.06N 19.06E 0 2.6L,2.4b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=1.0km az=15.0.
BRA Event type kr. Error ellipse: s-maj=5.7km s-min=2.5km az=0.0. Mining induced.
VIE Event type sr. Error ellipse: s-maj=6.8km s-min=4.7km az=86.0. Suspected Mining induced.
PRU Event type ki.
(724) Baltic States-Belarus-Northwestern Russia
HEL VII 26 17 24 51.6–.40 60.61N 29.14E 0 1.6L
LVSN VII 26 17 25 13.1–1.8 60.12N 26.76E 0–9 1.7L **¶625387878**
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=5.6km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=9.6km s-min=33.5km az=-1.0. Presumed earthquake.
(460) Wyoming
ISC VII 26 20 01 56.7–.99 43.72N–.05 105.30W–.05 0 48 1-11
NEIC VII 26 20 01 56.5–1.5 43.68N–.06 105.35W–.08 0–0 3.2L **¶620973877**
IDC VII 26 20 01 59.9–1.7 44.31N 105.84W 0 3.3,2.7L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.5km s-min=10.2km az=322.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.7km s-min=9.7km az=144.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL VII 26 22 13 12.7–.20 67.69N 34.20E 0 1.3L
KOGSR VII 26 22 13 13.0–.20 67.67N–.02 34.18E–.06 0 1.7 **¶625331400**
HEL Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(548) Poland
ISC VII 27 03 20 56.4–.82 50.27N–.03 18.79E–.03 0 70 0-7
IPEC VII 27 03 20 57.5–.20 50.22N 18.79E 1 2.5L **¶620859527**
BRA VII 27 03 20 57.3–.90 50.32N 18.78E 2–3 2.4L
VIE VII 27 03 20 57.9–.75 50.27N 18.66E 0 2.6L,2.1b
PRU VII 27 03 20 59.7 50.19N 18.69E 0 2.6L,2.1b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.0km az=6.0.
BRA Event type kr. Error ellipse: s-maj=5.2km s-min=2.2km az=0.0. Mining induced.
VIE Event type sr. Error ellipse: s-maj=5.4km s-min=3.0km az=67.0. Suspected Mining induced.
PRU Event type ki.
(536) Sweden
UPP VII 27 04 50 54.2–.10 57.09N 16.26E 0 2.3L
DNK VII 27 04 50 53.5–1.3 57.09N 16.45E 0 1.7L **¶626242823**
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type sh. Error ellipse: s-maj=4.2km s-min=13.9km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
ASGSR VII 27 05 50 21.0–1.5 54.12N 87.12E 0 2.6
IDC VII 27 05 50 18.9–4.5 54.23N 87.41E 0 2.7,2.2L **¶620978944**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.8km s-min=23.4km az=58.0.
(326) Southwestern Siberia
IDC VII 27 07 05 49.0–5.1 53.64N 91.28E 0 3.0,2.1L
ASGSR VII 27 07 05 50.0–1.4 53.72N 91.18E 0 2.8,2.1L **¶620978947**
IDC Error ellipse: s-maj=34.3km s-min=27.7km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 27 07 55 10.0–.70 54.34N 86.85E 0 2.6
IDC VII 27 07 55 09.5–3.6 54.41N 87.04E 0 2.7,2.4L **¶620978951**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=29.5km s-min=21.4km az=66.0.
(721) Finland
ISC VII 27 07 56 47.3–.77 63.60N–.02 26.20E–.02 0 41 1-6
HEL VII 27 07 56 48.5–.10 63.56N 26.22E 0 1.3L **¶620978952**
IDC VII 27 07 56 48.2–1.8 63.58N 26.40E 0 2.8,1.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=40.7km s-min=14.6km az=90.0.
(326) Southwestern Siberia
IDC VII 27 09 20 05.5–3.4 53.70N 87.99E 0 2.8,2.3L
ASGSR VII 27 09 20 02.0 53.63N 88.01E 0 2.6,2.3L **¶620978955**
IDC Error ellipse: s-maj=27.2km s-min=22.7km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(546) Austria
VIE VII 27 10 03 07.2–.31 48.49N 15.44E 0 0.8L,0.1b
¶626175860
VIE Event type sm. Error ellipse: s-maj=2.9km s-min=1.8km az=60.0. Suspected Mining explosion.
(723) Finland-Karelia border region

ISC VII 27 10 05 07.8–1.0 64.87N–.05 30.29E–.07 0 22 2-14
KOGSR VII 27 10 05 09.3 64.82N 30.76E 0 2.6L **¶620847374**
IDC VII 27 10 05 09.5–2.1 64.71N 30.72E 0 3.1,2.3L
ISC Event type kh.
KOGSR Event type kh. Kostomuksha, Karelia.
IDC Error ellipse: s-maj=24.0km s-min=10.2km az=107.0.
(716) Kyrgyzstan
KRNET VII 27 12 07 37.7–.10 41.44N 71.02E 2.4b
¶626529420
KRNET Event type kh.
(716) Kyrgyzstan
KRNET VII 27 12 07 42.5–.10 41.48N 71.03E 2.0b
¶625260078
KRNET Event type kh.
(326) Southwestern Siberia
ASGSR VII 28 04 50 12.0–1.1 54.14N 87.18E 0 2.2
IDC VII 28 04 50 11.1–4.6 54.24N 87.38E 0 2.6,2.1L **¶620979593**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.2km s-min=24.5km az=56.0.
(326) Southwestern Siberia
IDC VII 28 06 04 46.3–1.3 51.60N 82.39E 0 2.7,2.2L
ASGSR VII 28 06 04 43.0–2.2 51.60N 82.60E 0 2.4,2.2L **¶620979595**
IDC Error ellipse: s-maj=18.6km s-min=10.0km az=120.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 28 06 30 03.0–4.9 54.45N 86.79E 0 3.0,2.3L
ASGSR VII 28 06 30 00.0 54.43N 86.86E 0 2.4,2.3L **¶620979599**
IDC Error ellipse: s-maj=44.8km s-min=20.8km az=60.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 28 06 55 09.1–4.0 54.31N 86.12E 0 3.0,2.8L
ASGSR VII 28 06 55 07.0 54.30N 86.13E 0 2.5,2.8L **¶620979600**
IDC Error ellipse: s-maj=33.6km s-min=13.2km az=60.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 28 06 59 41.4–3.9 54.21N 86.37E 0 2.9,2.8L
ASGSR VII 28 06 59 39.0–.70 54.17N 86.40E 0 2.3,2.8L **¶620979601**
IDC Error ellipse: s-maj=32.8km s-min=14.6km az=67.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 28 07 25 21.3–3.9 54.45N 86.71E 0 2.8,2.7L
ASGSR VII 28 07 25 21.0 54.37N 86.66E 0 2.3,2.7L **¶620979602**
IDC Error ellipse: s-maj=31.2km s-min=20.6km az=57.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 28 07 30 05.0–.80 54.25N 87.25E 0 2.3
IDC VII 28 07 30 07.1–4.5 54.26N 87.39E 0 2.6,2.4L **¶620979603**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.5km s-min=23.1km az=59.0.
(326) Southwestern Siberia
IDC VII 28 07 38 01.5–3.5 53.53N 90.70E 0 2.9,2.4L
ASGSR VII 28 07 37 53.0–1.9 53.75N 91.00E 0 2.8,2.4L **¶620979604**
IDC Error ellipse: s-maj=27.5km s-min=25.0km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 28 08 10 21.4–4.4 53.78N 88.10E 0 2.7,2.4L
ASGSR VII 28 08 10 19.0–1.3 53.72N 88.19E 0 2.6,2.4L **¶620979605**
IDC Error ellipse: s-maj=41.1km s-min=23.1km az=50.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(536) Sweden
ISC VII 28 11 03 32.8–.79 67.22N–.02 23.45E–.03 0 29 0-6
HEL VII 28 11 03 33.8–.00 67.23N 23.43E 0 0.9L **¶626245297**
IDC VII 28 11 03 34.8–2.2 67.27N 23.36E 0 2.4,1.1L
BER VII 28 11 03 35.3–1.5 67.27N 23.63E 0 0.9L,1.1L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=38.3km s-min=16.0km az=98.0.
BER Event type sh. Error ellipse: s-maj=9.1km s-min=25.0km az=-1.0. Suspected explosion.
(721) Finland
ISC VII 28 12 57 26.7–.77 63.94N–.02 28.12E–.03 0 44 1-6
HEL VII 28 12 57 27.8–.10 63.95N 28.05E 0 1.5L **¶620979616**
IDC VII 28 12 57 29.2–1.9 63.96N 27.55E 0 2.6,1.7L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=2.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=39.1km s-min=11.4km az=93.0.
(460) Wyoming
ISC VII 28 14 58 54.6–.97 44.36N–.05 105.72W–.05 0 44 1-15
NEIC VII 28 14 58 53.3–1.1 44.38N–.05 105.76W–.06 0–1 3.0L **¶620979621**
IDC VII 28 14 58 58.1–1.4 44.33N 105.69W 0 3.1,2.6L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.0km s-min=7.1km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.7km s-min=11.4km az=143.0.
(536) Sweden
ISC VII 28 17 00 45.6–.79 67.08N–.02 20.94E–.02 0 57 0-8
HEL VII 28 17 00 43.0–.40 67.17N 20.67E 0 1.8L **¶620979627**
UPP VII 28 17 00 45.2–.10 67.07N 20.95E 0 2.0L
IDC VII 28 17 00 47.7–1.6 67.12N 21.20E 0 2.9,1.9L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.9km s-min=8.5km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=26.4km s-min=12.4km az=111.0.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 28 20 06 46.0 67.67N 33.77E 0 1.5L
¶626518326
KOGSR Event type kh. Error ellipse: s-maj=3.0km s-min=0.6km az=150.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 28 20 07 18.0–.50 67.65N–.02 33.75E–.04 0 1.7
¶625331461
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(383) Northwestern Balkan Peninsula
LJU VII 29 06 16 31.1 45.92N 14.19E 0 0.1L
¶624512596
LJU Event type sh. Suspected explosion.
(548) Poland
ISC VII 29 06 17 55.4–1.6 51.61N–.07 16.02E–.05 0 45 1-4
IPEC VII 29 06 17 56.7–.20 51.58N 16.11E 1 2.1L **¶620929500**
VIE VII 29 06 17 57.2–.82 51.48N 15.68E 0 2.5L,2.3b
PRU VII 29 06 17 58.2 51.57N 15.97E 0 2.5L,2.3b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.3km az=72.0.
VIE Event type sr. Error ellipse: s-maj=7.5km s-min=5.3km az=77.0. Suspected Mining induced.
PRU Event type ki.
(721) Finland
ISC VII 29 07 29 52.3–.86 64.01N–.02 28.00E–.03 0 48 1-6
HEL VII 29 07 29 55.0–.10 64.00N 28.08E 0 1.9L **¶620857943**
KOGSR VII 29 07 29 56.0–.40 63.8N–.20 28.3E–.20 0 2.3
IDC VII 29 07 29 57.2–2.4 63.95N 28.10E 0 2.5,1.5L
ISC Event type km.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=2.1km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=55.3km s-min=14.9km az=96.0.
(326) Southwestern Siberia
IDC VII 29 07 30 14.7–4.3 54.18N 86.73E 0 2.8,2.6L
ASGSR VII 29 07 30 15.0–1.9 54.11N 86.52E 0 2.2,2.6L **¶620984065**
IDC Error ellipse: s-maj=37.1km s-min=16.9km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(536) Sweden
ISC VII 29 08 26 34.5–.87 67.19N–.02 20.73E–.03 0 41 0-5
UPP VII 29 08 26 34.8–.10 67.19N 20.70E 0 3.0L **¶621742103**
DNK VII 29 08 26 35.2–.43 67.18N 20.70E 0 3.0L
HEL VII 29 08 26 35.3–.30 67.19N 20.63E 0 1.0L
ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
DNK Event type sh. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=6.0km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan
ISC VII 29 08 32 03.2–1.1 51.7N–.10 75.45E–.06 0 8 2-11
IDC VII 29 08 32 02.3–1.4 51.70N 75.35E 0 2.7,2.2L **¶620984084**
NNC VII 29 08 32 07.0–.36 51.78N 75.78E 0 2.9b,2.3
ISC Event type sm.
IDC Error ellipse: s-maj=20.4km s-min=10.3km az=25.0.
NNC Event type sm. Error ellipse: s-maj=6.8km s-min=2.7km az=25.0. Suspected Mining explosion.
(547) Czech and Slovak Republics
ISC VII 29 09 00 07.2–1.5 48.41N–.03 17.26E–.05 0 11 0-1
BRA VII 29 09 00 03.8–1.3 48.32N 17.01E 0 1.7L **¶625422213**
KRSZO VII 29 09 00 05.9–1.1 48.41N 17.32E 0 2.8L
ISC Event type sm.
BRA Event type sm. Error ellipse: s-maj=8.2km s-min=6.7km az=0.0. Suspected Mining explosion.
KRSZO Event type sx. Error ellipse: s-maj=8.1km s-min=2.9km az=116.0. Suspected Explosion.
(326) Southwestern Siberia
ASGSR VII 29 09 30 09.0–.70 54.35N 86.77E 0 2.8
IDC VII 29 09 30 09.1–4.2 54.35N 87.05E 0 2.6,2.4L **¶620984088**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.1km s-min=20.3km az=66.0.
(723) Finland-Karelia border region
ISC VII 29 10 00 30.0–.91 64.73N–.03 30.81E–.04 0 70 1-7
KOGSR VII 29 10 00 29.5 64.58N 30.84E 0 2.0L **¶620859563**
HEL VII 29 10 00 30.1–.10 64.68N 30.79E 0 1.7L
IDC VII 29 10 00 33.4–3.3 64.69N 29.91E 0 2.5,2.1L
ISC Event type kh.
KOGSR Event type kh. Error ellipse: s-maj=25.0km s-min=14.9km az=170.0. Karelia.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=3.0km az=-1.0. Explosion.
IDC Error ellipse: s-maj=54.3km s-min=12.2km az=97.0.
(538) France
STR VII 29 10 02 26.5–.52 48N–3.0 0W–4.0 0 1.9
¶626067185
STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
(538) France
STR VII 29 10 02 36.2–.69 47N–3.0 2W–5.0 0 1.5
¶626067182
STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
(464) Minnesota
ISC VII 29 17 16 27.8–.95 47.58N–.04 92.46W–.04 0 26 1-17
OTT VII 29 17 16 29.0–.51 47.59N 92.67W 0 2.4 **¶620923854**
NEIC VII 29 17 16 28.9–1.0 47.57N–.05 92.50W–.06 0–2 2.9
IDC VII 29 17 16 35.4–5.7 47.63N 93.33W 0 2.3,0.8L
ISC Event type km.
OTT Event type km. Error ellipse: s-maj=3.3km s-min=1.5km az=-1.0. Blast, Minnesota, U.S. 125km southeast from Fort Frances, On Mining explosion.
NEIC Event type sm. Error ellipse: s-maj=9.8km s-min=4.7km az=214.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=107.3km s-min=40.9km az=58.0.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 29 20 05 09.0 67.65N 33.76E 0 1.5L
HEL VII 29 20 05 09.2–.10 67.63N 33.75E 0 1.4L **¶625331491**
KOGSR Event type kh. Error ellipse: s-maj=2.3km s-min=1.1km az=140.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=2.6km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 29 20 05 40.4 67.66N 33.74E 0 1.6L
¶626518324
KOGSR Event type kh. Error ellipse: s-maj=2.6km s-min=1.4km az=140.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VII 29 20 06 33.1 67.54N 33.88E 0 1.2L
¶626518325
KOGSR Event type kh. Error ellipse: s-maj=1.2km s-min=0.5km az=70.0. Murmansk region, Kirovsk district .
(326) Southwestern Siberia
ASGSR VII 29 23 00 28.0–1.2 51.44N 91.88E 0 2.1
¶625331485
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 30 05 09 49.0–3.6 54.07N 86.57E 0 2.8,2.4L
ASGSR VII 30 05 09 47.0–.70 54.06N 86.48E 0 2.5,2.4L **¶620986039**
IDC Error ellipse: s-maj=27.6km s-min=16.0km az=75.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 30 05 24 49.2–3.9 54.63N 86.48E 0 3.1,2.8L
ASGSR VII 30 05 24 46.0–.80 54.64N 86.55E 0 2.6,2.8L **¶620986040**
IDC Error ellipse: s-maj=31.2km s-min=17.6km az=49.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 30 05 35 23.0–1.6 54.36N 86.79E 0 2.6
IDC VII 30 05 35 19.7–3.5 54.45N 87.05E 0 2.8,2.5L **¶620986041**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=27.6km s-min=20.6km az=66.0.
(326) Southwestern Siberia
ASGSR VII 30 06 34 53.0 54.25N 87.05E 0 2.8
IDC VII 30 06 34 51.5–3.7 54.46N 87.39E 0 2.8,2.5L **¶620986045**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=27.1km s-min=19.7km az=62.0.
(326) Southwestern Siberia
IDC VII 30 06 55 12.3–3.5 53.99N 86.72E 0 2.8,2.5L
ASGSR VII 30 06 55 11.0 53.96N 86.59E 0 2.7,2.5L **¶620986046**
IDC Error ellipse: s-maj=27.2km s-min=15.6km az=78.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 30 07 00 55.5–3.7 54.20N 86.65E 0 2.9,2.7L
ASGSR VII 30 07 00 54.0–.90 54.12N 86.42E 0 2.6,2.7L **¶620986047**
IDC Error ellipse: s-maj=28.5km s-min=18.0km az=66.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 30 07 59 58.8–1.9 54.63N 83.72E 0 3.1,2.7L
ASGSR VII 30 07 59 57.0–1.3 54.66N 83.64E 0 2.6,2.7L **¶620986050**
IDC Error ellipse: s-maj=17.9km s-min=11.4km az=173.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 30 08 50 05.3–4.0 53.58N 87.77E 0 2.8,2.5L
ASGSR VII 30 08 50 01.0–1.3 53.54N 87.88E 0 2.6,2.5L **¶620986052**
IDC Error ellipse: s-maj=36.0km s-min=20.8km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VII 30 09 15 05.7–4.7 54.50N 86.82E 0 2.7,2.4L
ASGSR VII 30 09 15 07.0 54.38N 86.67E 0 2.5,2.4L **¶620986054**
IDC Error ellipse: s-maj=44.4km s-min=21.6km az=58.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VII 30 09 56 18.0 54.26N 86.83E 0 2.6
IDC VII 30 09 56 18.2–4.3 54.39N 87.04E 0 3.2,2.5L **¶620986055**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=42.0km s-min=20.2km az=65.0.
(723) Finland-Karelia border region
ISC VII 30 10 00 21.8–.98 64.77N–.03 30.82E–.05 0 39 1-6
KOGSR VII 30 10 00 19.0–.50 64.5N–.10 30.5E–.30 0 2.2 **¶620986057**

IDC VII 30 10 00 23.4–3.0 64.76N 30.88E 0 2.7,1.7L
HEL VII 30 10 00 23.0–.40 64.75N 30.71E 0 1.7L,1.7L
ISC Event type km.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.0km s-min=11.3km az=98.0.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=8.9km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VII 30 11 00 37.8–.80 68.03N–.03 33.24E–.03 0 52 0-7
BER VII 30 11 00 38.9–1.1 67.93N 33.37E 0 1.3L ¶620986062
HEL VII 30 11 00 39.8–.10 68.15N 32.94E 0 1.3L
KOGSR VII 30 11 00 40.0 68.07N 33.13E 0 1.8L
IDC VII 30 11 00 41.9–3.4 68.07N 32.64E 0 2.9,2.0L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=8.8km s-min=37.5km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=2.3km s-min=1.2km az=100.0. Olenegorsk City, Mines.
IDC Error ellipse: s-maj=33.6km s-min=14.5km az=77.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC VII 30 11 18 31.5–1.0 67.62N–.04 34.39E–.05 0 44 0-7
BER VII 30 11 18 31.6–2.1 67.55N 34.71E 0 1.5L ¶620986063
IDC VII 30 11 18 31.9–3.6 67.71N 34.61E 0 3.0,2.2L
KOGSR VII 30 11 18 32.0–.40 67.69N–.02 34.20E–.06 0 3.0,2.2L
HEL VII 30 11 18 33.0–.20 68.04N 34.10E 0 1.5L,2.2L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=20.6km s-min=56.9km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=35.6km s-min=15.6km az=79.0.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=2.9km s-min=3.4km az=-1.0. Explosion.

(536) Sweden

ISC VII 30 12 00 01.7–.86 67.84N–.02 20.28E–.02 0 54 0-8
UPP VII 30 12 00 01.5–.00 67.84N 20.20E 0 2.3L ¶620986064
HEL VII 30 12 00 01.7–.20 67.84N 20.20E 0 1.6L
IDC VII 30 12 00 03.5–1.8 67.85N 20.46E 0 2.9,2.1L
ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=4.4km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=23.8km s-min=12.0km az=116.0.

(536) Sweden

ISC VII 30 12 30 17.9–.73 67.39N–.02 23.23E–.02 0 62 0-6
UPP VII 30 12 30 18.2–.20 67.42N 23.39E 0 1.9L ¶620986066
HEL VII 30 12 30 18.9–.10 67.42N 23.35E 0 1.6L
IDC VII 30 12 30 19.1–1.9 67.39N 23.70E 0 2.5,1.8L
BER VII 30 12 30 22.2–1.1 67.60N 23.10E 0 1.6L,1.8L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=36.6km s-min=12.2km az=91.0.
BER Event type sh. Error ellipse: s-maj=10.9km s-min=21.8km az=-1.0. Suspected explosion.

(536) Sweden

ISC VII 30 20 29 19.4–.83 67.18N–.03 20.71E–.04 0 48 1-37
HEL VII 30 20 29 18.4–.20 67.17N 20.53E 0 1.5L ¶620986089
IDC VII 30 20 29 20.2–1.5 67.32N 20.50E 0 3.4b,3.0
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=3.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=23.5km s-min=11.8km az=111.0.

(460) Wyoming

ISC VII 30 20 54 47.9–1.1 43.25N–.06 105.67W–.06 0 25 1-10
NEIC VII 30 20 54 52.8–.84 43.93N–.07 105.62W–.07 0–1 2.8L ¶620986091
IDC VII 30 20 54 57.9–2.2 44.20N 105.88W 0 3.1,2.6L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=14.4km s-min=2.8km az=325.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.4km s-min=13.2km az=144.0.

(536) Sweden

ISC VII 31 04 56 36.5–.78 67.83N–.02 20.26E–.02 0 50 0-8
IDC VII 31 04 56 35.3–1.8 67.98N 19.71E 0 2.8,1.8L ¶620986107
UPP VII 31 04 56 36.6–.00 67.85N 20.21E 0 2.1L,1.8L
HEL VII 31 04 56 37.0–.20 67.83N 20.21E 0 1.3L,1.8L
ISC Event type sh.
IDC Error ellipse: s-maj=25.8km s-min=11.8km az=124.0.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=4.6km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VII 31 11 07 11.7–.74 67.54N–.02 30.52E–.02 0 60 0-6
HEL VII 31 11 07 12.4–.20 67.56N 30.29E 0 1.6L ¶620986120
IDC VII 31 11 07 13.3–3.0 67.61N 30.33E 0 2.8,1.7L
KOGSR VII 31 11 07 13.0–.60 67.57N–.03 30.53E–.07 0 2.2,1.7L
BER VII 31 11 07 14.1–1.5 67.52N 30.53E 0 1.6L,1.7L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=4.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=39.4km s-min=13.8km az=82.0.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
BER Event type sh. Error ellipse: s-maj=9.5km s-min=14.2km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VII 31 11 24 41.6–.73 67.55N–.02 30.50E–.02 0 69 0-6
BER VII 31 11 24 39.0–.70 67.23N 31.18E 0 1.9L ¶620986121
HEL VII 31 11 24 42.5–.10 67.56N 30.41E 0 1.9L
IDC VII 31 11 24 42.0–2.9 67.59N 30.60E 0 2.9,2.0L
KOGSR VII 31 11 24 43.0–.60 67.51N–.03 30.40E–.08 0 2.4,2.0L
ISC Event type km.
BER Event type sh. Suspected explosion.
HEL Event type kh. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

ISC VII 31 13 08 50.6–3.0 50.04N–.06 78.3E–.30 0 26 1-13
IDC VII 31 13 08 51.9–1.5 50.03N 78.70E 0 2.3,2.0L ¶620986130
NNC VII 31 13 08 51.2–.65 49.98N 78.55E 3–12 2.7b,2.3
ISC Event type sm.
IDC Error ellipse: s-maj=12.4km s-min=10.2km az=25.0.
NNC Event type sm. Error ellipse: s-maj=14.8km s-min=5.6km az=89.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VII 31 17 21 27.1–1.3 67.63N–.04 34.21E–.07 0 20 0-11
KOGSR VII 31 17 21 28.0–.60 67.68N–.02 34.05E–.09 0 2.4 ¶620986139
IDC VII 31 17 21 29.2–3.6 67.65N 34.27E 0 3.0,1.9L
ISC Event type km.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=35.1km s-min=13.6km az=82.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC VII 31 17 26 23.9–1.1 67.62N–.03 34.12E–.05 0 51 0-7
HEL VII 31 17 26 24.5–.20 67.60N 34.07E 0 1.7L ¶620986140
KOGSR VII 31 17 26 24.0–.30 67.63N–.02 33.99E–.07 0 1.7L
BER VII 31 17 26 26.1–1.2 67.63N 34.17E 0 1.7L
IDC VII 31 17 26 26.5–3.6 67.59N 33.78E 0 2.8,1.7L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
BER Event type sh. Error ellipse: s-maj=11.5km s-min=32.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=36.0km s-min=13.2km az=83.0.

(548) Poland

ISC VII 31 20 56 31.8–.80 51.54N–.03 16.09E–.03 0 77 1-11
IDC VII 31 20 56 32.6–1.3 51.50N 15.85E 0 3.0,1.8L ¶620929551
IPEC VII 31 20 56 33.1–.19 51.47N 16.16E 1 2.0L,1.8L
DNK VII 31 20 56 33.3–.79 51.63N 16.00E 0 2.0L,1.8L
VIE VII 31 20 56 34.7–.60 51.35N 16.69E 0 2.3L,2.1b
PRU VII 31 20 56 35.2 51.40N 16.06E 0 2.3L,2.1b
ISC Event type sr.
IDC Error ellipse: s-maj=19.3km s-min=11.0km az=109.0.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=61.0.
DNK Event type sh. Error ellipse: s-maj=7.6km s-min=21.1km az=-1.0. Suspected explosion.
VIE Event type sr. Error ellipse: s-maj=4.7km s-min=3.1km az=140.0. Suspected Mining induced.
PRU Event type ki.

(548) Poland

ISC VII 31 21 06 55.6–.63 51.53N–.03 16.11E–.02 0 168 1-19
IDC VII 31 21 06 54.7–.84 51.55N 16.15E 0 3.2,2.7L ¶620925382
DNK VII 31 21 06 56.8–1.9 51.55N 16.04E 0 3.0L,2.7L
IPEC VII 31 21 06 57.2–.18 51.48N 16.15E 1 2.9L,2.7L
VIE VII 31 21 06 57.0–.40 51.46N 16.03E 0 3.1s,3.0L
PRU VII 31 21 06 58.6 51.43N 16.06E 0 3.1s,3.0L
BGR VII 31 21 06 58.2–.40 51.46N 16.12E 1 3.0L,3.0L
ISC Event type sr.
IDC Error ellipse: s-maj=11.7km s-min=7.5km az=110.0.
DNK Event type sh. Error ellipse: s-maj=12.5km s-min=43.0km az=-1.0. Suspected explosion.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=61.0.
VIE Event type sr. Error ellipse: s-maj=4.0km s-min=2.3km az=47.0. Suspected Mining induced.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=17.0.

(536) Sweden

ISC VII 31 22 09 05.1–.81 67.19N–.02 20.69E–.02 0 52 0-8
UPP VII 31 22 09 05.2–.00 67.18N 20.66E 0 2.0L ¶620986155
HEL VII 31 22 09 05.1–.40 67.16N 20.55E 0 1.3L
IDC VII 31 22 09 06.3–1.6 67.28N 20.89E 0 2.7,1.7L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.5km s-min=6.8km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=37.6km s-min=13.2km az=119.0.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 01 04 04 50.7 67.65N 33.71E 0 1.2L
¶626715608
KOGSR Event type kh. Error ellipse: s-maj=3.4km s-min=2.0km az=120.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 01 04 05 33.0–.50 67.66N–.02 33.72E–.07 0 1.8
¶625331553
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(721) Finland

ISC VIII 01 09 00 02.8–.75 67.72N–.02 27.03E–.02 0 53 1-6
HEL VIII 01 09 00 04.3–.10 67.70N 26.99E 0 1.5L ¶620986195
IDC VIII 01 09 00 05.0–2.0 67.71N 26.91E 0 3.0,1.4L
BER VIII 01 09 00 05.4–2.2 67.62N 27.12E 0 1.5L,1.4L
KOGSR VIII 01 09 00 06.0–.60 67.73N–.09 26.8E–.30 0 2.1,1.4L
ISC Event type km.
HEL Event type sh. Suspected explosion.
BER Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 01 12 43 53.2–.78 68.13N–.02 33.19E–.03 0 63 1-7
KOGSR VIII 01 12 43 54.0–.50 68.14N–.01 33.23E–.07 0 ¶620986211
HEL VIII 01 12 43 54.0–.20 68.18N 33.19E 0 1.5L
BER VIII 01 12 43 56.3–1.8 68.05N 33.11E 0 1.5L
IDC VIII 01 12 43 58.5–3.5 68.03N 32.34E 0 2.7,1.9L
ISC Event type km.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type sh. Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=13.0km s-min=37.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=34.8km s-min=13.4km az=78.0.

(584) South Africa

ISC VIII 01 15 49 59.0–.81 26.53S–.04 29.25E–.04 0 34 1-48
PRE VIII 01 15 49 58.5–1.1 26.54S 29.25E 0 2.7L ¶620986225
IDC VIII 01 15 50 03.4–1.9 26.11S 29.22E 0 3.6b,3.5
BGSI VIII 01 15 50 13.9–1.7 25.87S 29.17E 55–26 2.6L,3.5
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=2.1km s-min=2.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.9km s-min=9.5km az=113.0.
BGSI Event type se. Error ellipse: s-maj=6.4km s-min=11.7km az=-1.0. Presumed earthquake.

(464) Minnesota

ISC VIII 01 15 59 20.3–1.6 48.89N–.09 94.03W–.07 0 11 1-15
IDC VIII 01 15 59 18.8–9.2 48.98N 93.76W 0 ¶620970687
OTT VIII 01 15 59 21.3–.18 48.87N 94.02W 0 2.3
ISC Event type km.
IDC Error ellipse: s-maj=54.9km s-min=40.5km az=128.0.
OTT Event type km. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. Blast, 55km northwest from Fort Frances, On Mining explosion.

(326) Southwestern Siberia

ASGSR VIII 02 05 50 15.0–1.5 54.13N 87.12E 0 2.6
IDC VIII 02 05 50 18.4–3.4 54.18N 87.18E 0 3.2,2.8L ¶620993207
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=27.2km s-min=18.0km az=81.0.

(326) Southwestern Siberia

IDC VIII 02 06 01 33.9–3.5 53.93N 86.41E 0 2.9,2.5L
ASGSR VIII 02 06 01 27.0–1.4 53.98N 86.67E 0 2.2,2.5L ¶620993210
IDC Error ellipse: s-maj=29.9km s-min=13.7km az=82.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR VIII 02 06 05 12.0–.90 54.33N 86.88E 0 2.8
IDC VIII 02 06 05 13.1–3.5 54.40N 86.98E 0 3.0,2.6L ¶620993211
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=27.3km s-min=19.5km az=73.0.

(326) Southwestern Siberia

IDC VIII 02 06 26 29.7–3.8 53.90N 88.10E 0 3.0,2.6L
ASGSR VIII 02 06 26 28.0–2.4 53.72N 88.30E 0 2.7,2.6L ¶620993212
IDC Error ellipse: s-maj=30.0km s-min=23.3km az=44.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 02 06 30 10.5–4.6 54.30N 86.64E 0 2.7,2.3L
ASGSR VIII 02 06 30 07.0 54.33N 86.77E 0 2.5,2.3L ¶620993213
IDC Error ellipse: s-maj=38.6km s-min=17.4km az=64.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 02 07 00 11.6–3.5 54.11N 86.44E 0 2.9,2.6L
ASGSR VIII 02 07 00 10.0–.70 54.12N 86.41E 0 2.5,2.6L ¶620993215
IDC Error ellipse: s-maj=26.9km s-min=14.0km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 02 07 24 49.1–4.5 54.58N 86.40E 0 3.2,2.8L
ASGSR VIII 02 07 24 45.0–.80 54.65N 86.50E 0 2.5,2.8L ¶620993218
IDC Error ellipse: s-maj=36.3km s-min=18.0km az=49.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 02 07 44 55.7–4.6 54.29N 86.77E 0 2.5,2.2L
ASGSR VIII 02 07 44 52.0–.90 54.34N 86.88E 0 2.4,2.2L ¶620993221
IDC Error ellipse: s-maj=40.8km s-min=19.0km az=64.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 02 07 50 11.5–3.6 53.80N 87.96E 0 2.8,2.5L
ASGSR VIII 02 07 50 12.0–2.6 53.56N 88.01E 0 2.6,2.5L ¶620993223
IDC Error ellipse: s-maj=26.3km s-min=18.1km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ISC VIII 02 08 25 39.5–.42 54.27N–.03 86.31E–.02 0 4.1b 140 0-76
NNC VIII 02 08 25 38.7–1.8 54.23N 86.46E 0 4.3b,4.2 ¶620930443
ASGSR VIII 02 08 25 38.0–.60 54.19N 86.40E 0 3.8,4.2
IDC VIII 02 08 25 40.2–.82 54.27N 86.35E 0 4.0,3.8b
NEIC VIII 02 08 25 40.6–.84 54.34N–.09 86.2E–.10 10–1 4.0b,3.8b
MOS VIII 02 08 25 40.2–1.2 54.24N 86.30E 13 4.4b,3.8b
ISC Event type km.
NNC Event type sm. Error ellipse: s-maj=13.5km s-min=8.8km az=14.0. Suspected Mining explosion.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=12.0km s-min=7.9km az=149.0.

NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.6km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.1km s-min=4.2km az=95.0.

(326) Southwestern Siberia

NNC	**VIII**	**02 09 00 05.9–4.1**	**54.39N**	**86.93E**	**0**	**2.8b,2.6**	
ASGSR	VIII	02 09 00 05.0–.80	54.31N	86.84E	0	2.7,2.6	¶620993227
IDC	VIII	02 09 00 06.8–3.4	54.38N	86.91E	0	3.0,2.7L	

NNC Event type sm. Error ellipse: s-maj=35.8km s-min=22.3km az=2.0. Suspected Mining explosion.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=27.8km s-min=17.9km az=71.0.

(326) Southwestern Siberia

ISC	**VIII**	**02 09 04 16.9–1.3**	**52.5N–.10**	**90.31E–.08**	**0**		**7**	**4-12**
IDC	VIII	02 09 04 21.2–1.6	53.52N	91.34E	0	2.9,2.8L	¶620993229	
ASGSR	VIII	02 09 04 21.0	53.73N	91.11E	0	2.8,2.8L		
NNC	VIII	02 09 05 27.1–2.3	51.77N	75.49E	0	2.5b,2.0		

ISC Event type km.
IDC Error ellipse: s-maj=23.0km s-min=11.2km az=177.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=23.9km s-min=13.5km az=11.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**VIII**	**02 09 30 11.5–2.9**	**53.61N**	**86.89E**	**0**	**3.1,2.2L**	
ASGSR	VIII	02 09 30 10.0–1.2	53.54N	86.84E	0	2.5,2.2L	¶620993233

IDC Error ellipse: s-maj=26.2km s-min=14.6km az=90.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(721) Finland

ISC	**VIII**	**02 10 18 34.8–.81**	**62.88N–.02**	**27.53E–.03**	**0**		**39**	**1-7**
IDC	VIII	02 10 18 34.9–2.1	62.95N	27.66E	0	3.4,2.4L	¶620993236	
HEL	VIII	02 10 18 36.7–.10	62.85N	27.56E	0	1.5L,2.4L		

ISC Event type kh.
IDC Error ellipse: s-maj=27.7km s-min=11.4km az=98.0.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=1.9km az=-1.0. Explosion.

(584) South Africa

PRE	**VIII**	**02 11 33 13.4–.92**	**23.61S**	**27.41E**	**0**	**1.8L**	
BGSI	VIII	02 11 33 19.2–1.9	23.51S	27.42E	68–24	2.2L	¶624893557

PRE Event type sh. Error ellipse: s-maj=3.1km s-min=2.8km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=6.5km s-min=9.8km az=-1.0. Presumed earthquake.

(546) Austria

VIE	**VIII**	**02 13 28 20.6–.37**	**47.95N**	**14.27E**	**0**	**1.9L,1.6b**		
KRSZO	VIII	02 13 28 38.0–1.1	47.85N	16.03E	0	1.9L,1.6b	¶621141440	

VIE Event type sm. Error ellipse: s-maj=2.9km s-min=1.5km az=146.0. 9 km SW of Aschach a.d. Steyr . Suspected Mining explosion.
KRSZO Event type sx. Error ellipse: s-maj=11.0km s-min=3.9km az=38.0. Suspected Explosion.

(548) Poland

ISC	**VIII**	**02 21 18 54.8–.67**	**50.21N–.03**	**18.96E–.02**	**0**		**55**	**1-41**
IDC	VIII	02 21 18 54.7–1.8	50.16N	18.97E	0	3.3,3.1b	¶620969909	
IPEC	VIII	02 21 18 55.6–.13	50.23N	18.98E	1	2.2L,3.1b		
VIE	VIII	02 21 18 55.1–.48	50.29N	18.96E	0	2.4L,2.2b		
BRA	VIII	02 21 18 56.2–.55	50.24N	18.96E	13–2	2.1L,2.2b		
PRU	VIII	02 21 18 56.4	50.25N	18.96E	0	2.1L,2.2b		

ISC Event type kr.
IDC Error ellipse: s-maj=32.1km s-min=13.2km az=144.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.6km az=176.0.
VIE Event type sr. Error ellipse: s-maj=8.0km s-min=2.4km az=168.0. 4 km NNW of Katowice . Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=3.5km s-min=1.9km az=0.0. Mining induced.
PRU Event type ki.

(536) Sweden

ISC	**VIII**	**03 03 46 44.2–.74**	**67.20N–.02**	**20.70E–.02**	**0**		**63**	**0-7**
UPP	VIII	03 03 46 44.2–.00	67.19N	20.66E	0	2.1L	¶620995839	
HEL	VIII	03 03 46 44.3–.20	67.19N	20.58E	0	1.6L		
IDC	VIII	03 03 46 46.1–1.5	67.19N	21.34E	0	2.7,2.0L		

ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=4.4km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=22.5km s-min=11.3km az=111.0.

(722) Norway-Murmansk border region

BER	**VIII**	**03 03 54 59.4–2.2**	**69.54N**	**30.71E**	**0**	**1.4L**	
KOGSR	VIII	03 03 54 57.3	69.42N	30.73E	0	1.6L	¶625345522
HEL	VIII	03 03 54 57.1–.90	69.41N	30.66E	0	1.4L	

BER Event type sh. Error ellipse: s-maj=9.6km s-min=47.4km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=5.0km s-min=2.7km az=20.0. Zapolyarny City, Mines.
HEL Event type sh. Error ellipse: s-maj=3.7km s-min=15.0km az=-1.0. Suspected explosion.

(326) Southwestern Siberia

ISC	**VIII**	**03 05 34 43.1–4.0**	**55.2N–.20**	**84.4E–.10**	**0**		**8**	**1-8**
NNC	VIII	03 05 34 47.9–4.9	54.79N	83.81E	0	3.1b,3.0	¶620995849	
ASGSR	VIII	03 05 34 48.0–.90	54.66N	83.63E	0	2.7,3.0		
IDC	VIII	03 05 34 50.5–2.5	54.64N	83.79E	0	2.9,2.6L		

ISC Event type km.
NNC Event type sm. Error ellipse: s-maj=52.6km s-min=22.1km az=36.0. Suspected Mining explosion.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=22.0km s-min=11.5km az=155.0.

(326) Southwestern Siberia

IDC	**VIII**	**03 05 59 01.0–1.8**	**54.60N**	**83.69E**	**0**	**2.9,2.2L**	
ASGSR	VIII	03 05 58 57.0–1.2	54.69N	83.71E	0	2.3,2.2L	¶620995851

IDC Error ellipse: s-maj=16.0km s-min=10.9km az=157.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(546) Austria

VIE	**VIII**	**03 07 49 45.5–.18**	**47.52N**	**14.91E**	**0**	**1.4L,1.3b**		
								¶621141457

VIE Event type km. Error ellipse: s-maj=1.4km s-min=1.3km az=165.0. 0 km N of Erzberg . Mining explosion.

(326) Southwestern Siberia

IDC	**VIII**	**03 08 09 54.2–3.7**	**53.72N**	**88.20E**	**0**	**2.8,2.6L**		
ASGSR	VIII	03 08 09 52.0–1.5	53.73N	88.13E	0	2.6,2.6L	¶620995858	

IDC Error ellipse: s-maj=28.0km s-min=20.2km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**VIII**	**03 08 25 03.9–3.5**	**53.63N**	**87.96E**	**0**	**2.8,2.7L**		
ASGSR	VIII	03 08 25 01.0–1.2	53.58N	87.88E	0	2.6,2.7L	¶620995860	

IDC Error ellipse: s-maj=26.8km s-min=19.0km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR	**VIII**	**03 09 40 06.0–.90**	**54.28N**	**87.11E**	**0**	**2.2**		
IDC	VIII	03 09 40 07.2–4.6	54.33N	87.33E	0	2.7,2.5L	¶620995868	

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.5km s-min=23.0km az=60.0.

(326) Southwestern Siberia

ASGSR	**VIII**	**03 09 55 08.0–1.7**	**54.17N**	**86.99E**	**0**	**2.6**		
IDC	VIII	03 09 55 08.4–4.3	54.38N	87.30E	0	2.7,2.5L	¶620995869	

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=36.7km s-min=20.8km az=67.0.

(331) Kazakhstan-Xinjiang border region

ISC	**VIII**	**03 11 10 17.4–.79**	**46.98N–.04**	**83.06E–.04**	**0**		**78**	**1-7**
ASGSR	VIII	03 11 10 12.8–.46	47N–3.0	83E–2.0	9	3.4	¶625387920	
NNC	VIII	03 11 10 18.2–.61	47.11N	83.03E	0–5	3.7b,3.3		
SOME	VIII	03 11 10 23.5	47.17N	82.45E	15	3.7b,3.3		

ISC Event type sm.
ASGSR Event type se. Error ellipse: s-maj=7.4km s-min=3.2km az=145.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type sm. Error ellipse: s-maj=5.0km s-min=4.3km az=166.0. Suspected Mining explosion.

(548) Poland

ISC	**VIII**	**03 16 00 30.4–1.2**	**51.49N–.05**	**16.12E–.03**	**0**		**67**	**1-5**
IPEC	VIII	03 16 00 30.2–.19	51.53N	16.18E	1	2.5L	¶620969925	
PRU	VIII	03 16 00 31.8	51.51N	16.13E	0	2.5L		
VIE	VIII	03 16 00 34.5–.76	51.25N	15.99E	0	2.7L,2.4b		
ISC		Event type sr.						
IPEC		Event type ki. Error ellipse: s-maj=1.5km s-min=1.0km az=40.0.						
PRU		Event type ki.						

VIE Event type sr. Error ellipse: s-maj=8.1km s-min=5.0km az=72.0. 73 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC	**VIII**	**03 19 15 10.5–.95**	**43.73N–.05**	**105.41W–.04**	**0**		**52**	**1-9**
NEIC	VIII	03 19 15 10.1–1.4	43.79N–.04	105.4W–.10	0–1	3.2L	¶620995889	
IDC	VIII	03 19 15 14.4–2.0	44.04N	105.66W	0	3.2,3.1L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=13.1km s-min=6.0km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.7km s-min=11.6km az=145.0.

(456) Montana

ISC	**VIII**	**03 19 20 44.5–1.1**	**45.86N–.06**	**106.53W–.07**	**0**		**27**	**1-8**
NEIC	VIII	03 19 20 43.0–1.1	45.80N–.04	106.55W–.06	0–1	3.0L	¶620995890	
IDC	VIII	03 19 20 44.4–2.0	45.88N	106.59W	0	3.0,2.7L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=7.6km s-min=5.9km az=250.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.5km s-min=11.6km az=135.0.

(548) Poland

PRU	**VIII**	**04 03 05 45.3**	**50.25N**	**19.00E**	**0**			
								¶624734469

PRU Event type ki.

(326) Southwestern Siberia

IDC	**VIII**	**04 06 11 46.9–1.4**	**51.66N**	**82.51E**	**0**	**2.9,2.7L**		
ASGSR	VIII	04 06 11 44.0–1.9	51.51N	82.59E	0	2.6,2.7L	¶620997288	

IDC Error ellipse: s-maj=18.7km s-min=11.5km az=118.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**VIII**	**04 07 29 53.5–4.2**	**54.23N**	**87.22E**	**0**	**2.5,2.2L**		
ASGSR	VIII	04 07 29 26.0–.60	53.76N	86.79E	0	2.2,2.2L	¶620997293	

IDC Error ellipse: s-maj=39.8km s-min=21.7km az=67.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(553) Egypt

GII	**VIII**	**04 10 01 21.6–.00**	**30.013N–.00**	**36.298E–.01**	**0**			
								¶626090337

GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

(536) Sweden

ISC	**VIII**	**04 17 00 27.6–.75**	**67.04N–.02**	**20.97E–.02**	**0**		**65**	**0-8**
HEL	VIII	04 17 00 27.5–.30	67.03N	20.86E	0	2.1L	¶620968077	
IDC	VIII	04 17 00 28.5–1.4	67.11N	20.92E	0	2.8,2.2L		
UPP	VIII	04 17 00 28.1–.10	67.06N	20.95E	0	2.3L,2.2L		

ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=6.4km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.4km s-min=10.3km az=115.0.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(464) Minnesota

ISC	**VIII**	**04 17 21 34.2–.91**	**47.33N–.05**	**92.83W–.04**	**0**		**24**	**1-13**
NEIC	VIII	04 17 21 38.4–2.3	47.46N–.03	92.98W–.03	0–2	3.1L,3.0	¶620997317	
IDC	VIII	04 17 21 38.7–4.6	47.98N	92.28W	0	2.8,1.2L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=5.7km s-min=3.0km az=332.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.6km s-min=24.0km az=84.0.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**VIII**	**04 20 05 04.9**	**67.68N**	**33.71E**	**0**	**1.3L**	
							¶626715609

KOGSR Event type kh. Error ellipse: s-maj=2.1km s-min=1.2km az=150.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**VIII**	**04 20 05 29.0–.60**	**67.68N–.01**	**33.73E–.03**	**0**	**1.6**	
							¶625331664

KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(536) Sweden

ISC	**VIII**	**04 23 26 40.0–.75**	**67.82N–.02**	**20.23E–.02**	**0**		**62**	**0-8**
IDC	VIII	04 23 26 40.6–1.6	67.72N	20.61E	0	2.6,1.8L	¶620997335	
UPP	VIII	04 23 26 40.4–.00	67.85N	20.21E	0	2.3L,1.8L		
HEL	VIII	04 23 26 40.7–.10	67.83N	20.21E	0	1.8L,1.8L		

ISC Event type sh.
IDC Error ellipse: s-maj=21.1km s-min=10.9km az=117.0.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.5km s-min=3.1km az=-1.0. Suspected explosion.

(713) Central Kazakhstan

ISC	**VIII**	**05 00 47 47.6–.75**	**43.21N–.02**	**74.97E–.02**	**0**		**88**	**0-3**
KNET	VIII	05 00 47 46.7–.51	43.20N	74.95E	20–4	2.2L	¶621148066	
KRNET	VIII	05 00 47 47.5–.10	43.22N	74.94E	21	3.0b		
NNC	VIII	05 00 47 47.1–.71	43.22N	74.94E	0	3.1b,3.0		
SOME	VIII	05 00 47 47.8	43.20N	74.95E	15	3.1b,3.0		

ISC Event type sm.
KNET Error ellipse: s-maj=4.6km s-min=2.1km az=6.0.
NNC Event type sm. Error ellipse: s-maj=6.6km s-min=3.3km az=147.0. Suspected Mining explosion.

(721) Finland

ISC	**VIII**	**05 07 30 50.1–.78**	**63.92N–.03**	**28.04E–.03**	**0**		**67**	**1-8**
BER	VIII	05 07 30 47.9–1.3	63.52N	28.42E	0	2.0L	¶620969574	
IDC	VIII	05 07 30 50.7–2.2	63.88N	28.43E	0	2.8,2.2L		
HEL	VIII	05 07 30 50.1–.10	63.99N	28.12E	0	2.0L,2.2L		
MOS	VIII	05 07 30 51.0–.40	63.97N–.04	28.16E–.03	0	2.0L,2.2L		

ISC Event type km.
BER Event type sh. Suspected explosion.
HEL Event type sh. Suspected explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR	**VIII**	**05 08 03 07.0–1.4**	**55.64N**	**86.22E**	**0**			
IDC	VIII	05 08 03 10.2–4.2	55.58N	86.27E	0	2.8,2.5L	¶620998792	

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=32.2km s-min=26.3km az=5.0.

(724) Baltic States-Belarus-Northwestern Russia

HEL	**VIII**	**05 08 45 44.6–.30**	**59.17N**	**27.92E**	**0**	**1.8L**		
EST	VIII	05 08 45 44.6–.10	59.19N	27.93E	0	1.7L	¶625331694	
MOS	VIII	05 08 45 45.0–.90	59.19N–.04	27.92E–.06	0	1.7		
LVSN	VIII	05 08 45 56.1–3.3	59.72N	27.09E	0–26	2.2L		

HEL Event type sh. Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0. Suspected explosion.
EST Event type kh. Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0. Explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
LVSN Event type se. Error ellipse: s-maj=18.5km s-min=81.2km az=-1.0. Presumed earthquake.

(326) Southwestern Siberia

ASGSR	**VIII**	**05 08 50 04.0–1.4**	**54.26N**	**87.04E**	**0**	**2.6**		
IDC	VIII	05 08 50 05.8–4.3	54.33N	87.12E	0	2.7,2.4L	¶620998798	

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.3km s-min=21.9km az=65.0.

(332) Northern Xinjiang

ISC	**VIII**	**05 11 16 34.7–1.6**	**44.22N–.06**	**81.65E–.08**	**0**		**20**	**1-3**
SOME	VIII	05 11 16 35.4	44.25N	81.68E	15		¶625785879	
NNC	VIII	05 11 16 36.3–2.2	44.21N	81.53E	0	2.9b,2.7		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=16.1km s-min=13.2km az=40.0. Suspected Mining explosion.

(548) Poland

ISC	**VIII**	**05 12 19 39.6–.83**	**50.07N–.04**	**19.10E–.02**	**0**		**48**	**0-4**
IPEC	VIII	05 12 19 39.6–.14	50.11N	19.13E	1	2.5L	¶621837528	
PRU	VIII	05 12 19 40.1	50.22N	19.05E	0	2.5L		
BRA	VIII	05 12 19 41.4–.39	50.06N	19.15E	0	2.1L		

ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.8km az=2.0.

PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=2.2km s-min=1.6km az=0.0. Mining induced.

(373) Dead Sea region

GII VIII 05 12 46 59.9–.00 31.171N–.00 36.363E–.00 0 ¶626090346

GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

(548) Poland

ISC VIII 05 14 59 11.9–.80 50.21N–.03 18.76E–.02 0 50 1-12
IPEC VIII 05 14 59 12.7–.16 50.18N 18.78E 1 2.1L ¶620998818
IDC VIII 05 14 59 12.3–1.5 50.23N 19.34E 0 2.8,2.1L
PRU VIII 05 14 59 13.6 50.17N 18.73E 0 2.8,2.1L
BRA VIII 05 14 59 14.3–.68 50.20N 18.78E 0–7 1.7L,2.1L
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.0km az=167.0.
IDC Error ellipse: s-maj=26.1km s-min=12.7km az=159.0.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=3.4km s-min=2.1km az=0.0. Mining induced.

(548) Poland

ISC VIII 05 16 02 18.8–.84 50.09N–.04 19.21E–.02 0 57 0-4
IPEC VIII 05 16 02 19.0–.14 50.12N 19.29E 1 2.6L ¶621837529
PRU VIII 05 16 02 19.5 50.16N 19.21E 0 2.6L
BRA VIII 05 16 02 20.7–.38 50.09N 19.33E 0 2.2L
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.8km az=1.0.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=2.2km s-min=1.7km az=0.0. Mining induced.

(548) Poland

ISC VIII 05 16 05 09.3–.88 51.63N–.04 16.17E–.03 0 87 1-11
IDC VIII 05 16 05 09.5–1.3 51.48N 16.37E 0 2.8,1.7L ¶620998819
IPEC VIII 05 16 05 10.5–.19 51.56N 16.21E 1 2.5L,1.7L
PRU VIII 05 16 05 11.7 51.51N 16.13E 0 2.5L,1.7L
VIE VIII 05 16 05 11.3–.64 51.49N 16.64E 0 2.9L,2.6b
BRA VIII 05 16 05 15.0–1.2 51.44N 16.23E 0 2.4L,2.6b
ISC Event type kr.
IDC Error ellipse: s-maj=18.7km s-min=12.0km az=133.0.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=66.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=6.6km s-min=4.3km az=88.0. 52 km NNW of Wroclaw . Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=5.0km s-min=5.0km az=0.0. Mining induced.

(548) Poland

ISC VIII 05 19 19 18.3–.76 50.31N–.02 18.69E–.02 0 113 0-7
DNK VIII 05 19 19 11.5–3.0 50.19N 19.44E 0 2.1L ¶620978994
IPEC VIII 05 19 19 18.9–.12 50.28N 18.73E 1 3.0L
VIE VIII 05 19 19 18.4–.51 50.37N 18.67E 0 3.3s,3.0L
BGR VIII 05 19 19 19.9–.35 50.31N 18.70E 1 3.0L,3.0L
PRU VIII 05 19 19 20.9 50.26N 18.57E 0 3.0L,3.0L
ISC Event type sr.
DNK Event type sh. Error ellipse: s-maj=44.0km s-min=117.8km az=-1.0. Suspected explosion.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.6km az=169.0.
VIE Event type sr. Error ellipse: s-maj=5.6km s-min=1.7km az=163.0. 26 km WNW of Katowice . Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=3.3km az=9.0.
PRU Event type ki.

(724) Baltic States-Belarus-Northwestern Russia

HEL VIII 05 20 04 52.9–.30 67.79N 33.58E 0 1.0L ¶625331697

HEL Event type kh. Error ellipse: s-maj=4.5km s-min=5.1km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 05 20 05 40.0–.20 67.63N–.03 33.86E–.06 0 1.6 ¶626714496

KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(548) Poland

ISC VIII 05 23 04 55.7–.74 50.23N–.03 19.02E–.02 0 79 1-20
IPEC VIII 05 23 04 56.3–.16 50.21N 19.05E 1 2.2L ¶620998841
PRU VIII 05 23 04 56.5 50.22N 18.99E 0 2.2L
VIE VIII 05 23 04 56.6–.65 50.05N 19.03E 0 2.3L,2.1b
IDC VIII 05 23 04 56.2–3.0 50.28N 18.93E 0 3.1,2.2L
BRA VIII 05 23 04 58.1–.46 50.16N 19.02E 0 1.7L,2.2L
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.8km az=1.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=14.5km s-min=4.2km az=157.0. 23 km S of Katowice . Suspected Mining induced.
IDC Error ellipse: s-maj=47.6km s-min=14.0km az=135.0.
BRA Event type kr. Error ellipse: s-maj=2.6km s-min=1.6km az=0.0. Mining induced.

(326) Southwestern Siberia

ASGSR VIII 06 06 55 06.0 54.23N 87.11E 0 2.6
IDC VIII 06 06 55 06.4–4.6 54.36N 87.31E 0 2.8,2.4L ¶620998859
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.1km s-min=23.8km az=58.0.

(326) Southwestern Siberia

IDC VIII 06 07 04 42.9–3.7 54.56N 86.29E 0 3.3,3.0L
ASGSR VIII 06 07 04 39.0 54.58N 86.29E 0 2.9,3.0L ¶620998860
NNC VIII 06 07 04 41.1–1.9 54.45N 86.46E 0 3.0b,2.8
IDC Error ellipse: s-maj=27.4km s-min=14.5km az=53.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=26.5km s-min=9.5km az=160.0. Suspected Mining explosion.

(326) Southwestern Siberia

ISC VIII 06 07 15 50.9–2.2 54.6N–.20 83.62E–.06 0 13 1-8
ASGSR VIII 06 07 15 50.0 54.65N 83.63E 0 2.5 ¶620998861
NNC VIII 06 07 15 50.8–2.6 54.69N 83.67E 0 3.0b,2.8
IDC VIII 06 07 15 51.7–1.9 54.63N 83.73E 0 3.1,2.7L
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=24.7km s-min=8.3km az=17.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.4km s-min=11.7km az=163.0.

(326) Southwestern Siberia

IDC VIII 06 07 35 09.5–3.6 54.34N 86.34E 0 3.1,3.0L
ASGSR VIII 06 07 35 08.0–1.4 54.31N 86.12E 0 2.7,3.0L ¶620998863
IDC Error ellipse: s-maj=27.4km s-min=15.2km az=61.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 06 07 44 42.1–4.7 54.36N 86.64E 0 2.7,2.4L
ASGSR VIII 06 07 44 38.0–1.2 54.35N 86.79E 0 2.4,2.4L ¶620998864
IDC Error ellipse: s-maj=40.0km s-min=18.2km az=61.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(724) Baltic States-Belarus-Northwestern Russia

HEL VIII 06 07 50 29.9–.40 59.19N 28.09E 0 1.8L
EST VIII 06 07 50 31.2–.10 59.18N 27.91E 0 1.7L ¶625331748
MOS VIII 06 07 50 32.0–.70 59.18N–.05 27.91E–.04 0 1.8
LVSN VIII 06 07 50 44.1–1.8 59.00N 26.63E 0–13 2.0L
HEL Event type sh. Error ellipse: s-maj=2.1km s-min=5.2km az=-1.0. Suspected explosion.
EST Event type kh. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
LVSN Event type se. Error ellipse: s-maj=11.8km s-min=56.4km az=-1.0. Presumed earthquake.

(326) Southwestern Siberia

IDC VIII 06 07 57 14.3–3.3 53.86N 87.08E 0 2.6,2.2L
ASGSR VIII 06 07 57 14.0–.90 53.64N 86.80E 0 2.3,2.2L ¶620998865
IDC Error ellipse: s-maj=28.5km s-min=19.1km az=89.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR VIII 06 08 05 11.0–1.5 54.37N 86.85E 0 2.4
IDC VIII 06 08 05 09.8–4.4 54.51N 87.06E 0 2.7,2.3L ¶620998867
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.6km s-min=22.9km az=63.0.

(326) Southwestern Siberia

IDC VIII 06 08 31 22.3–3.8 53.77N 87.00E 0 2.6,2.2L
ASGSR VIII 06 08 31 19.0 53.83N 86.84E 0 2.2,2.2L ¶620998871
IDC Error ellipse: s-maj=37.9km s-min=21.1km az=78.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 06 08 39 56.5–3.3 53.95N 86.51E 0 2.8,2.5L
ASGSR VIII 06 08 39 53.0–1.1 53.95N 86.60E 0 2.5,2.5L ¶620998872
IDC Error ellipse: s-maj=25.8km s-min=14.8km az=78.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 06 08 43 24.8–4.5 53.71N 88.10E 0 2.4,2.2L
ASGSR VIII 06 08 43 21.0–.70 53.68N 88.14E 0 2.4,2.2L ¶620998873
IDC Error ellipse: s-maj=41.3km s-min=23.1km az=52.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 06 08 54 57.4–3.4 53.60N 87.65E 0 2.8L,2.8
ASGSR VIII 06 08 54 56.0–1.2 53.53N 87.68E 0 2.7,2.8 ¶620998875
IDC Error ellipse: s-maj=26.2km s-min=17.3km az=75.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 06 09 10 26.8–3.3 53.59N 87.29E 0 2.7,2.3L
ASGSR VIII 06 09 10 20.0–1.3 53.54N 87.31E 0 2.5,2.3L ¶620998877
IDC Error ellipse: s-maj=27.7km s-min=16.7km az=83.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 06 09 15 30.4–3.6 53.76N 86.94E 0 2.6,2.4L
ASGSR VIII 06 09 15 29.0–1.5 53.72N 86.86E 0 2.5,2.4L ¶620998878
IDC Error ellipse: s-maj=35.2km s-min=18.3km az=82.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 06 09 40 08.3–3.7 54.28N 86.70E 0 3.0,2.8L
ASGSR VIII 06 09 40 05.0–1.2 54.28N 86.89E 0 2.8,2.8L ¶620998882
IDC Error ellipse: s-maj=27.6km s-min=16.1km az=68.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(537) Baltic Sea

ISC VIII 06 09 43 30.8–1.1 56.37N–.07 20.79E–.05 0 33 1-8
DNK VIII 06 09 43 33.4–1.1 56.41N 20.47E 0 2.5L ¶621742158
UPP VIII 06 09 43 35.5–1.4 56.51N 20.26E 0 2.5L
ISC Event type sh.
DNK Event type sh. Error ellipse: s-maj=6.3km s-min=23.2km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0. Presumed earthquake.

(326) Southwestern Siberia

IDC VIII 06 09 47 18.4–3.5 53.75N 86.98E 0 2.7,2.4L
ASGSR VIII 06 09 47 18.0–1.1 53.67N 86.83E 0 2.6,2.4L ¶620998883
IDC Error ellipse: s-maj=35.6km s-min=19.0km az=81.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 06 09 55 08.0–3.6 53.60N 87.49E 0 2.4,2.2L
ASGSR VIII 06 09 55 04.0–1.8 53.51N 87.68E 0 2.4,2.2L ¶620998884
IDC Error ellipse: s-maj=27.9km s-min=18.4km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(584) South Africa

ISC VIII 06 10 13 54.3–.83 25.88S–.03 29.18E–.03 0 26 1-13
PRE VIII 06 10 13 58.6–.93 25.97S 29.12E 0 2.0L ¶620998887
BGSI VIII 06 10 14 01.2–1.2 25.61S 29.42E 4–15 2.4L
IDC VIII 06 10 14 04.5–5.8 25.87S 28.88E 0 2.8,2.3L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=2.0km s-min=1.8km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=4.9km s-min=14.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=78.6km s-min=41.3km az=139.0.

(721) Finland

HEL VIII 06 10 31 42.0–.10 65.11N 25.67E 0 1.0L ¶626341360

HEL Event type sh. Error ellipse: s-maj=0.8km s-min=2.1km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

HEL VIII 06 10 32 44.3–.40 60.63N 29.11E 0 1.6L
MOS VIII 06 10 32 45.0–.50 60.60N–.03 29.09E–.04 0 1.6 ¶625331749
HEL Event type sh. Suspected explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(721) Finland

ISC VIII 06 10 40 10.9–.73 63.10N–.02 27.71E–.03 0 67 0-7
HEL VIII 06 10 40 11.5–.10 63.12N 27.79E 0 1.8L ¶620998890
MOS VIII 06 10 40 12.0–.40 63.05N–.03 27.81E–.03 0 1.8
IDC VIII 06 10 40 12.6–2.2 63.09N 27.88E 0 2.8,2.0L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.0km az=-1.0. Explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=30.5km s-min=13.3km az=100.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 06 11 15 06.7–.87 64.75N–.02 31.01E–.04 0 75 1-9
BER VIII 06 11 15 05.8–.66 64.52N 31.33E 0 1.9L ¶620998894
KOGSR VIII 06 11 15 07.8 64.72N 30.65E 0 2.1L
HEL VIII 06 11 15 07.5–.20 64.70N 30.73E 0 1.9L
MOS VIII 06 11 15 08.0–.60 64.72N–.05 30.86E–.03 0 1.9
IDC VIII 06 11 15 08.6–3.2 64.65N 30.90E 0 2.8,2.1L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=35.4km s-min=86.5km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=13.0km s-min=10.7km az=170.0. Kostomuksha, Karelia.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=4.0km az=-1.0. Explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=45.0km s-min=11.9km az=99.0.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 06 12 09 41.5 67.69N 33.66E 0 1.6L ¶626714529

KOGSR Event type kh. Khibiny Mines.

(646) Northern Norway

BER VIII 06 12 10 18.4–1.8 69.59N 20.00E 0 1.0L
HEL VIII 06 12 10 17.4–.60 69.62N 19.91E 0 1.0L ¶625345545
BER Event type sh. Error ellipse: s-maj=7.9km s-min=12.4km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=11.8km az=-1.0. Explosion.

(536) Sweden

ISC VIII 06 12 50 49.7–.76 67.43N–.02 23.14E–.03 0 40 0-6
BER VIII 06 12 50 50.7–1.0 67.48N 23.45E 0 1.5L ¶620973893
IDC VIII 06 12 50 50.3–2.1 67.49N 23.37E 0 2.5,1.8L
HEL VIII 06 12 50 53.0–.20 67.38N 23.19E 0 1.5L,1.8L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=23.3km s-min=62.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=36.1km s-min=13.4km az=96.0.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0. Explosion.

(584) South Africa

ISC VIII 06 14 44 49.5–2.8 27.98S–.08 22.9E–.10 0 16 2-5
BGSI VIII 06 14 44 51.4–1.1 28.07S 22.90E 0–26 2.5L ¶624893566
PRE VIII 06 14 44 52.5–.71 28.34S 23.08E 0 2.2L
ISC Event type sh.
BGSI Event type se. Error ellipse: s-maj=12.4km s-min=27.6km az=-1.0. Presumed earthquake.
PRE Event type sh. Error ellipse: s-maj=5.7km s-min=6.9km az=-1.0. Suspected explosion.

(584) South Africa

ISC VIII 06 15 38 21.7–.83 26.10S–.04 29.35E–.03 0 26 1-13
PRE VIII 06 15 38 22.7–1.3 26.07S 29.31E 0 2.3L ¶620998908
IDC VIII 06 15 38 27.2–2.5 25.95S 29.12E 0 3.0,2.6L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=2.7km s-min=2.4km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=24.9km s-min=11.6km az=113.0.

(332) Northern Xinjiang

ISC VIII 07 09 13 07.8–1.5 44.66N–.05 82.25E–.08 0 29 2-3
SOME VIII 07 09 13 10.2 44.68N 82.05E 15 ¶625785940
NNC VIII 07 09 13 12.0–1.5 44.71N 81.96E 0 3.5b,3.3
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.9km s-min=7.8km az=125.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 07 10 12 22.2–.90 67.68N–.03 34.18E–.04 0 52 0-7

BER VIII 07 10 12 20.8–.44 67.50N 34.68E 0 1.6L ¶621000718
KOGSR VIII 07 10 12 22.0–.60 67.67N–.02 34.26E–.08 0 2.2
HEL VIII 07 10 12 22.8–.20 67.71N 34.16E 0 1.6L
IDC VIII 07 10 12 24.2–3.9 67.73N 34.15E 0 2.9,2.0L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=6.0km s-min=18.7km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type sh. Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=40.3km s-min=15.6km az=77.0.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 07 20 06 52.1 67.66N 33.75E 0 1.3L ¶626715610

KOGSR Event type kh. Error ellipse: s-maj=3.2km s-min=1.5km az=140.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 07 20 07 49.0–.30 67.63N–.02 33.85E–.06 0 1.8
HEL VIII 07 20 07 50.0–.10 67.62N 33.89E 0 1.3L ¶625331769
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0. Explosion.

(329) Eastern Kazakhstan

IDC VIII 08 07 21 32.9–3.4 48.64N 77.92E 0 2.5,2.0L ¶625785974

IDC Error ellipse: s-maj=37.2km s-min=14.3km az=68.0.

(713) Central Kazakhstan

NNC VIII 08 08 26 26.7–.96 47.89N 67.51E 12–7 3.6b,3.2 ¶625785977

NNC Event type sm. Error ellipse: s-maj=9.6km s-min=4.7km az=9.0. Suspected Mining explosion.

(513) Off east coast of United States

ISC VIII 08 19 55 17.7–.69 30.09N–.07 79.51W–.08 0 3.7b 52 2-150
NEIC VIII 08 19 55 18.3–1.7 30.15N–.05 79.61W–.09 0–1 3.9L ¶620976447
IDC VIII 08 19 55 19.3–.85 30.02N 79.74W 0 3.6b,3.6
ISC Event type sx.
NEIC Event type sx. Error ellipse: s-maj=12.9km s-min=9.1km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=5.1km s-min=2.6km az=168.0.

(460) Wyoming

ISC VIII 08 20 02 44.7–1.2 43.79N–.07 105.32W–.07 0 20 1-14
NEIC VIII 08 20 02 44.1–1.2 43.81N–.06 105.3W–.10 0–1 3.1L ¶622451355
IDC VIII 08 20 02 47.2–1.4 45.36N 107.13W 0 3.5L,3.4
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=12.7km s-min=10.5km az=288.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.9km s-min=10.5km az=139.0.

(326) Southwestern Siberia

NNC VIII 08 22 04 09.1–5.3 54.36N 87.13E 0 3.5b,3.3 ¶625785993

NNC Event type sm. Error ellipse: s-maj=72.5km s-min=26.2km az=177.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC VIII 09 05 20 20.2–4.8 54.46N 86.81E 0 2.8,2.6L
ASGSR VIII 09 05 20 19.0–.70 54.42N 86.83E 0 2.7,2.6L ¶621007229
IDC Error ellipse: s-maj=45.2km s-min=22.7km az=58.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR VIII 09 06 25 11.0–1.3 54.27N 87.08E 0 2.5
IDC VIII 09 06 25 11.1–4.3 54.32N 87.15E 0 2.9,2.6L ¶621007232
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.5km s-min=22.6km az=65.0.

(326) Southwestern Siberia

IDC VIII 09 06 45 54.1–4.0 54.42N 86.19E 0 2.8,2.5L
ASGSR VIII 09 06 45 54.0 54.40N 86.12E 0 2.8,2.5L ¶621007234
IDC Error ellipse: s-maj=29.1km s-min=16.7km az=54.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 09 06 55 19.4–4.4 54.37N 86.58E 0 3.0,2.8L
ASGSR VIII 09 06 55 16.0–1.2 54.38N 86.68E 0 2.6,2.8L ¶621007236
IDC Error ellipse: s-maj=37.1km s-min=16.9km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 09 07 10 31.2–4.0 53.53N 87.37E 0 2.4,2.3L
ASGSR VIII 09 07 10 27.0–.70 53.54N 87.34E 0 2.3,2.3L ¶621007239
IDC Error ellipse: s-maj=37.6km s-min=21.4km az=68.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 09 07 30 51.5–3.9 54.11N 86.38E 0 3.0,2.5L
ASGSR VIII 09 07 30 49.0–1.8 54.15N 86.43E 0 2.6,2.5L ¶621007240
IDC Error ellipse: s-maj=32.6km s-min=15.7km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 09 08 05 14.7–4.7 54.44N 86.86E 0 2.7,2.5L
ASGSR VIII 09 08 05 15.0–1.2 54.33N 86.78E 0 2.3,2.5L ¶621007242
IDC Error ellipse: s-maj=42.8km s-min=21.5km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 09 08 10 04.8–3.5 53.69N 87.91E 0 2.9,2.7L
ASGSR VIII 09 08 10 07.0–2.1 53.61N 87.89E 0 2.6,2.7L ¶621007243
IDC Error ellipse: s-maj=27.2km s-min=19.3km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR VIII 09 09 20 05.0–1.7 54.15N 87.17E 0 2.6
IDC VIII 09 09 20 00.9–4.6 54.18N 87.63E 0 2.7,2.4L ¶621007246
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.0km s-min=23.8km az=49.0.

(326) Southwestern Siberia

IDC VIII 09 09 25 40.3–3.8 53.82N 86.98E 0 2.5,2.0L
ASGSR VIII 09 09 25 42.0–1.2 53.68N 87.02E 0 2.2,2.0L ¶621007248
IDC Error ellipse: s-maj=37.6km s-min=19.6km az=80.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 09 09 39 07.8–4.5 54.15N 87.64E 0 2.7
ASGSR VIII 09 09 39 16.0–2.9 54.18N 87.17E 0 2.7 ¶621007249
IDC Error ellipse: s-maj=39.0km s-min=23.6km az=50.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(536) Sweden

BER VIII 09 12 07 30.1–3.4 59.57N 14.69E 0 1.0L ¶626714518

BER Event type sh. Error ellipse: s-maj=117.1km s-min=180.0km az=-1.0. Suspected explosion.

(548) Poland

BRA VIII 09 12 08 00.0–1.6 50.12N 19.32E 10 1.2L
PRU VIII 09 12 07 59.9 50.16N 19.28E 0 1.2L ¶620983314
BRA Event type kr. Error ellipse: s-maj=8.2km s-min=5.7km az=0.0. Mining induced.
PRU Event type ki.

(584) South Africa

ISC VIII 09 12 32 50.7–.92 26.05S–.04 29.23E–.04 0 19 1-13
PRE VIII 09 12 32 50.7–1.1 26.05S 29.24E 0 1.9L ¶621007260
IDC VIII 09 12 33 04.2–6.0 26.14S 28.77E 0 2.9,2.3L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=84.1km s-min=41.4km az=141.0.

(548) Poland

ISC VIII 10 04 01 24.9–.97 51.66N–.05 16.26E–.04 0 65 1-12
IDC VIII 10 04 01 26.6–1.4 51.60N 15.98E 0 3.3,2.3L ¶620983328
IPEC VIII 10 04 01 26.6–.19 51.59N 16.23E 1 2.4L,2.3L
VIE VIII 10 04 01 27.4–.51 51.52N 16.21E 0 2.7L,2.5b
PRU VIII 10 04 01 29.8 51.46N 16.18E 0 2.7L,2.5b
ISC Event type sr.
IDC Error ellipse: s-maj=21.3km s-min=13.6km az=125.0.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=67.0.
VIE Event type sr. Error ellipse: s-maj=6.0km s-min=3.1km az=55.0. 74 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(326) Southwestern Siberia

IDC VIII 10 05 12 20.0–4.2 53.63N 87.74E 0 2.5,1.9L
ASGSR VIII 10 05 12 19.0–1.1 53.50N 87.68E 0 2.5,1.9L ¶621008091
IDC Error ellipse: s-maj=35.2km s-min=19.2km az=67.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 10 06 15 11.9–3.4 54.34N 86.16E 0 3.1L,3.0
ASGSR VIII 10 06 15 11.0–2.1 54.28N 86.15E 0 2.8,3.0 ¶621008096
IDC Error ellipse: s-maj=25.2km s-min=13.4km az=61.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(332) Northern Xinjiang

ISC VIII 10 06 31 18.1–1.9 44.65N–.08 82.0E–.10 0 15 2-3
SOME VIII 10 06 31 16.8 44.73N 82.17E 20 ¶625786033
NNC VIII 10 06 31 18.5–1.4 44.68N 82.01E 3–16 3.6b,3.2
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.2km s-min=9.2km az=173.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC VIII 10 07 12 33.0–5.4 53.54N 91.21E 0 3.0,2.7L
ASGSR VIII 10 07 12 29.0–2.6 53.69N 91.09E 0 2.7,2.7L ¶621008101
IDC Error ellipse: s-maj=54.6km s-min=38.1km az=80.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 10 08 24 31.4–3.8 53.88N 88.27E 0 2.9,2.5L
ASGSR VIII 10 08 24 28.0–1.4 53.80N 88.25E 0 2.7,2.5L ¶621008104
IDC Error ellipse: s-maj=28.1km s-min=20.1km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 10 08 44 60.0–.69 59.61N–.02 24.58E–.02 0 100 0-10
DNK VIII 10 08 44 57.4–.99 59.68N 25.08E 0 2.3L ¶620979413
UPP VIII 10 08 44 58.7–3.0 59.73N 24.95E 0 2.3L
LVSN VIII 10 08 44 59.9–1.9 59.61N 24.59E 0–4 2.4L
EST VIII 10 08 45 01.3–.00 59.61N 24.58E 0 1.9L
IDC VIII 10 08 45 02.6–3.4 59.76N 24.48E 0 2.8,2.3L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=6.3km s-min=15.4km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0. Presumed earthquake.
LVSN Event type se. Error ellipse: s-maj=5.4km s-min=10.9km az=-1.0. Presumed earthquake.
EST Event type kh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=35.6km s-min=17.2km az=148.0.

(326) Southwestern Siberia

IDC VIII 10 09 20 14.4–3.5 53.64N 87.38E 0 3.1,2.4L
ASGSR VIII 10 09 20 11.0–1.1 53.49N 87.52E 0 2.7,2.4L ¶621008106
IDC Error ellipse: s-maj=27.9km s-min=18.5km az=79.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(721) Finland

HEL VIII 10 09 38 10.3–.00 63.12N 22.09E 0 1.3L ¶625422518

HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.

(723) Finland-Karelia border region

HEL VIII 10 09 38 15.5–.40 61.12N 29.87E 0 1.4L ¶626341440

HEL Event type sh. Error ellipse: s-maj=2.7km s-min=5.8km az=-1.0. Suspected explosion.

(326) Southwestern Siberia

IDC VIII 10 09 50 08.2–3.7 53.59N 87.66E 0 2.7,2.3L
ASGSR VIII 10 09 50 08.0–1.6 53.49N 87.53E 0 2.6,2.3L ¶621008110
IDC Error ellipse: s-maj=27.8km s-min=18.5km az=70.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 10 09 54 17.3–3.6 53.58N 87.76E 0 2.7L,2.7
ASGSR VIII 10 09 54 16.0–.60 53.53N 87.63E 0 2.6,2.7 ¶621008111
IDC Error ellipse: s-maj=29.9km s-min=21.0km az=52.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(549) Hungary

ISC VIII 10 09 58 57.0–1.1 48.82N–.07 21.63E–.04 0 8 0-1
MCSM VIII 10 09 58 48.8–2.5 48N–4.0 20E–6.0 35–44 5.0b,4.4 ¶626018243
BRA VIII 10 09 58 57.2–.41 48.76N 21.66E 0 5.0b,4.4
ISC Event type sm.
BRA Event type sm. Error ellipse: s-maj=3.5km s-min=2.2km az=0.0. Suspected Mining explosion.

(721) Finland

HEL VIII 10 10 29 29.3–.10 63.17N 27.84E 0 1.3L ¶625422519

HEL Event type kh. Error ellipse: s-maj=0.5km s-min=1.8km az=-1.0. Explosion.

(721) Finland

HEL VIII 10 10 30 57.1–.00 60.15N 25.22E 0 0.7L
LVSN VIII 10 10 30 59.2–1.9 60.15N 25.28E 0–39 2.0L ¶625387952
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=8.6km s-min=22.5km az=-1.0. Presumed earthquake.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 10 13 06 06.6–.81 68.14N–.03 33.20E–.03 0 55 1-7
BER VIII 10 13 06 04.8–.64 67.88N 33.57E 0 1.6L ¶621008116
HEL VIII 10 13 06 06.9–.20 68.13N 33.15E 0 1.6L
KOGSR VIII 10 13 06 07.0–.30 68.13N–.02 33.20E–.07 0 2.2
IDC VIII 10 13 06 11.0–3.6 68.05N 32.44E 0 2.7,2.0L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=5.7km s-min=18.2km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=2.0km s-min=2.4km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=44.6km s-min=18.3km az=64.0.

(464) Minnesota

ISC VIII 10 17 18 24.7–1.1 47.55N–.05 92.77W–.05 0 21 1-16
NEIC VIII 10 17 18 25.3–1.9 47.52N–.05 92.88W–.06 0–2 3.0L,2.8 ¶621008127
IDC VIII 10 17 18 30.2–5.8 47.60N 93.00W 0 2.5,1.0L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.5km s-min=6.7km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.5km s-min=41.1km az=56.0.

(460) Wyoming

ISC VIII 10 21 12 13.3–1.2 44.31N–.06 105.62W–.05 0 38 1-11
NEIC VIII 10 21 12 12.1–1.9 44.31N–.05 105.75W–.06 0–1 3.1L ¶621008142
IDC VIII 10 21 12 20.2–1.9 44.44N 105.88W 0 3.2,2.5L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.8km s-min=6.5km az=332.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.1km s-min=15.4km az=144.0.

(478) Utah

ISC VIII 10 21 14 13.7–.92 41.12N–.04 112.73W–.04 0 22 0-8
NEIC VIII 10 21 14 13.6–2.1 41.10N–.02 112.81W–.03 0–1 1.8L ¶621008143
IDC VIII 10 21 14 14.5–1.7 41.42N 113.05W 0 2.2,2.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=4.6km s-min=2.1km az=314.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.5km s-min=11.4km az=154.0.

(548) Poland

PRU VIII 10 21 41 28.7 51.46N 16.09E 0
DNK VIII 10 21 41 26.9–1.7 51.68N 16.25E 0 2.3L ¶620983341
IPEC VIII 10 21 41 26.4–.19 51.53N 16.20E 1 2.2L
PRU Event type ki.
DNK Event type sh. Error ellipse: s-maj=10.7km s-min=34.9km az=-1.0. Suspected explosion.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=64.0.

(326) Southwestern Siberia

ISC VIII 11 01 27 10.2–.96 51.77N–.07 82.79E–.07 0 11 3-5
ASGSR VIII 11 01 27 07.0–1.6 51.52N 82.62E 0 2.5 ¶621009310
IDC VIII 11 01 27 11.7–1.3 51.58N 82.72E 0 2.4,1.9L
NNC VIII 11 01 27 12.7–1.5 51.75N 82.64E 0 2.8b,2.4

ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=19.5km s-min=11.4km az=109.0.
NNC Event type se. Error ellipse: s-maj=27.6km s-min=7.2km az=137.0.

(715) Tajikistan

ISC VIII 11 04 14 14.3–3.8 41.16N–.07 69.5E–.20 10 10 1-3
KRNET VIII 11 04 14 15.9–.10 41.14N 69.62E 2.5b ¶622409808
ISC Event type se.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 11 06 07 14.3–1.2 67.65N–.04 34.05E–.06 0 44 0-7
HEL VIII 11 06 07 12.9–.60 67.73N 34.13E 0 1.8L ¶621009319
BER VIII 11 06 07 15.2–1.8 67.50N 34.26E 0 1.8L
KOGSR VIII 11 06 07 15.0–.50 67.64N–.01 33.93E–.06 0 2.2
IDC VIII 11 06 07 17.4–3.6 67.59N 33.59E 0 2.7,2.1L
ISC Event type km.
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=9.3km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=15.2km s-min=68.5km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=37.6km s-min=14.5km az=80.0.

(326) Southwestern Siberia

ASGSR VIII 11 06 30 14.0–1.4 54.23N 87.07E 0 2.5
IDC VIII 11 06 30 13.3–4.4 54.33N 87.26E 0 2.6,2.3L ¶621009320
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.3km s-min=22.1km az=63.0.

(326) Southwestern Siberia

IDC VIII 11 07 50 23.7–3.4 53.80N 88.20E 0 2.6,2.1L
ASGSR VIII 11 07 50 20.0–1.2 53.81N 88.25E 0 2.8,2.1L ¶621009323
IDC Error ellipse: s-maj=27.6km s-min=23.3km az=55.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR VIII 11 08 00 07.0 54.34N 86.83E 0 2.8
IDC VIII 11 08 00 04.6–3.8 54.51N 87.19E 0 2.8,2.5L ¶621009325
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=29.8km s-min=21.8km az=60.0.

(326) Southwestern Siberia

IDC VIII 11 08 17 25.5–3.8 53.55N 87.83E 0 2.5,2.3L
ASGSR VIII 11 08 17 24.0–1.2 53.54N 87.68E 0 2.5,2.3L ¶621009326
IDC Error ellipse: s-maj=36.6km s-min=22.5km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 11 09 05 05.9–3.8 53.60N 87.95E 0 2.9,2.6L
ASGSR VIII 11 09 05 04.0–.70 53.56N 87.87E 0 2.6,2.6L ¶621009328
IDC Error ellipse: s-maj=36.6km s-min=22.6km az=61.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 11 09 49 32.1–3.9 53.77N 90.96E 0 2.9,2.6L
ASGSR VIII 11 09 49 27.0–1.4 53.81N 91.07E 0 2.6,2.6L ¶621009332
IDC Error ellipse: s-maj=38.9km s-min=27.5km az=25.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 11 10 04 08.1–.87 64.80N–.02 30.75E–.04 0 62 1-10
BER VIII 11 10 04 05.1–.73 64.46N 31.54E 0 2.0L ¶621009334
HEL VIII 11 10 04 08.5–.10 64.78N 30.84E 0 2.0L
KOGSR VIII 11 10 04 08.0–.40 64.72N–.10 30.8E–.20 0 2.5
IDC VIII 11 10 04 10.1–2.4 64.78N 30.82E 0 3.0,2.2L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=34.7km s-min=82.9km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=3.2km az=-1.0. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=30.1km s-min=10.6km az=99.0.

(721) Finland

ISC VIII 11 10 14 59.5–.83 64.31N–.03 28.18E–.03 0 26 1-6
IDC VIII 11 10 15 01.2–2.4 64.39N 28.67E 0 2.5,1.8L ¶621009335
HEL VIII 11 10 15 01.9–.10 64.33N 28.13E 0 1.2L,1.8L
ISC Event type kh.
IDC Error ellipse: s-maj=46.7km s-min=12.1km az=93.0.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 11 11 53 36.3–1.0 54.03N–.06 20.22E–.08 0 18 3-16
IDC VIII 11 11 53 43.0–2.5 54.36N 19.08E 0 2.9,2.5L ¶620980056
DNK VIII 11 11 53 46.1–2.0 53.62N 18.02E 0 2.9,2.5L
ISC Event type sh.
IDC Error ellipse: s-maj=34.7km s-min=20.0km az=51.0.
DNK Event type sh. Error ellipse: s-maj=19.8km s-min=117.6km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 11 12 18 43.6–1.3 61.91N–.04 31.29E–.07 0 30 1-9
HEL VIII 11 12 18 46.8–.40 61.93N 31.32E 0 1.6L ¶621009338
IDC VIII 11 12 18 51.0–4.5 62.06N 30.69E 0 3.1,1.9L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=5.8km az=-1.0. Explosion.
IDC Error ellipse: s-maj=48.2km s-min=18.6km az=127.0.

(584) South Africa

ISC VIII 11 14 12 48.8–.90 25.75S–.04 29.00E–.04 0 20 1-12
PRE VIII 11 14 12 49.5–.87 25.75S 29.01E 0 1.9L ¶621009340
IDC VIII 11 14 13 02.3–5.8 26.17S 28.87E 0 2.7,2.1L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=1.8km s-min=1.7km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=80.9km s-min=41.6km az=142.0.

(326) Southwestern Siberia

ISC VIII 12 08 17 38.9–4.0 53.9N–.10 90.7E–.20 0 15 3-12
IDC VIII 12 08 17 34.1–3.4 53.84N 91.14E 0 3.4,2.8L ¶625331894
ASGSR VIII 12 08 17 35.0–1.2 53.76N 91.08E 0 3.5,2.8L
NNC VIII 12 08 17 39.5–6.8 53.70N 90.80E 0 3.9b,3.6
ISC Event type km.
IDC Error ellipse: s-maj=26.5km s-min=22.6km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=50.5km s-min=37.2km az=56.0. Suspected Mining explosion.

(336) Western Kazakhstan

IDC VIII 12 11 22 00.1–1.5 52.34N 62.87E 0 3.2b,3.0
¶621009403
IDC Error ellipse: s-maj=34.3km s-min=11.2km az=163.0.

(646) Northern Norway

BER VIII 12 12 05 58.0–1.3 68.51N 17.57E 0 1.2L
HEL VIII 12 12 05 53.7–.70 68.41N 16.97E 0 1.2L ¶625345586
BER Event type sh. Error ellipse: s-maj=4.5km s-min=8.8km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=2.7km s-min=10.6km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 12 12 06 51.9 67.67N 33.72E 0 1.3L
¶626714517
KOGSR Event type kh. Error ellipse: s-maj=1.6km s-min=1.1km az=130.0. Khibiny, mines Kirovsk, Yukspor.

(584) South Africa

ISC VIII 12 12 18 05.2–.81 26.43S–.03 29.39E–.03 0 28 1-13
IDC VIII 12 12 18 02.4–5.8 26.34S 29.46E 0 2.9,2.5L ¶621009412
PRE VIII 12 12 18 06.2–.54 26.42S 29.46E 0 2.4L,2.5L
BGSI VIII 12 12 18 10.9–1.2 26.11S 29.93E 124–180 2.9L,2.5L
ISC Event type sh.
IDC Error ellipse: s-maj=88.6km s-min=41.7km az=148.0.
PRE Event type sh. Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=5.8km s-min=28.3km az=-1.0. Presumed earthquake.

(584) South Africa

ISC VIII 12 15 29 29.9–.87 25.77S–.03 29.82E–.04 0 23 0-13
IDC VIII 12 15 29 30.4–5.8 25.64S 29.57E 0 2.9,2.4L ¶621009422
PRE VIII 12 15 29 30.0–.58 25.75S 29.86E 0 2.0L,2.4L
ISC Event type sh.
IDC Error ellipse: s-maj=104.2km s-min=39.5km az=141.0.
PRE Event type sh. Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0. Suspected explosion.

(584) South Africa

ISC VIII 12 15 56 25.3–.83 26.23S–.04 28.86E–.03 0 25 1-13
PRE VIII 12 15 56 25.5–.74 26.21S 28.85E 0 1.6L ¶621009424
IDC VIII 12 15 56 26.7–5.7 26.08S 28.61E 0 2.9,2.3L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=74.4km s-min=39.3km az=139.0.

(464) Minnesota

ISC VIII 12 17 22 40.8–1.1 47.65N–.05 92.44W–.05 0 17 1-17
NEIC VIII 12 17 22 43.1–2.3 47.56N–.05 92.55W–.04 0–2 3.1L,3.0 ¶621009438
IDC VIII 12 17 22 48.9–4.8 47.64N 93.33W 0 2.8,0.5L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.2km s-min=3.3km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.2km s-min=23.5km az=91.0.

(548) Poland

PRU VIII 12 19 25 46.9 50.18N 19.02E 0
BRA VIII 12 19 25 49.1–1.3 49.97N 19.01E 0 1.2L ¶620989775
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=6.6km s-min=4.9km az=0.0. Mining induced.

(548) Poland

PRU VIII 12 19 58 11.6 51.45N 15.98E 0
¶620989777
PRU Event type ki.

(326) Southwestern Siberia

IDC VIII 13 06 15 11.4–3.7 54.24N 86.13E 0 3.2,2.9L
ASGSR VIII 13 06 15 08.0–1.1 54.26N 86.18E 0 2.7,2.9L ¶621012051
IDC Error ellipse: s-maj=31.9km s-min=12.1km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(548) Poland

PRU VIII 13 06 25 23.4 51.50N 16.05E 0
¶624734606
PRU Event type ki.

(326) Southwestern Siberia

ASGSR VIII 13 06 50 19.0–1.2 55.68N 86.18E 0 2.5
IDC VIII 13 06 50 22.8–4.4 55.61N 86.22E 0 2.8,2.6L ¶621012065
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=37.3km s-min=29.9km az=34.0.

(326) Southwestern Siberia

IDC VIII 13 07 02 57.4–3.7 54.15N 86.43E 0 2.9L,2.9
ASGSR VIII 13 07 02 53.0–1.2 54.10N 86.48E 0 2.7,2.9 ¶621012068
IDC Error ellipse: s-maj=31.7km s-min=14.3km az=70.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 13 07 13 34.1–3.7 53.64N 87.82E 0 3.3,2.7L
ASGSR VIII 13 07 13 34.0 53.65N 87.89E 0 2.9,2.7L ¶621012070
IDC Error ellipse: s-maj=36.7km s-min=21.8km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 13 07 20 12.4–2.8 54.64N 83.67E 0 2.5,2.3L
ASGSR VIII 13 07 20 12.0–1.7 54.64N 83.68E 0 2.3,2.3L ¶621012072
IDC Error ellipse: s-maj=25.2km s-min=13.9km az=155.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

NNC VIII 13 08 18 55.5–2.8 49.73N 81.73E 0 3.5b,3.1
ASGSR VIII 13 08 18 53.0–1.4 49.62N 81.67E 0 2.7,3.1 ¶625331952
NNC Event type sm. Error ellipse: s-maj=37.6km s-min=7.2km az=52.0. Suspected Mining explosion.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 13 08 40 17.9–4.6 54.35N 86.63E 0 2.8,2.5L
ASGSR VIII 13 08 40 14.0 54.35N 86.76E 0 2.7,2.5L ¶621012096
IDC Error ellipse: s-maj=38.9km s-min=17.2km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(723) Finland-Karelia border region

HEL VIII 13 09 00 25.4–.30 61.08N 29.99E 0 1.5L
¶625422606
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=3.5km az=-1.0. Suspected explosion.

(721) Finland

HEL VIII 13 09 00 33.3–.10 65.09N 25.66E 0 1.0L
¶626341513
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=2.2km az=-1.0. Suspected explosion.

(326) Southwestern Siberia

ASGSR VIII 13 09 10 07.0 54.28N 87.08E 0 2.7
IDC VIII 13 09 10 07.9–4.6 54.39N 87.28E 0 2.8,2.5L ¶621012103
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.5km s-min=24.0km az=58.0.

(326) Southwestern Siberia

IDC VIII 13 09 28 55.5–3.9 54.16N 87.26E 0 3.2,2.7L
ASGSR VIII 13 09 28 54.0–1.3 54.21N 87.16E 0 2.9,2.7L ¶621012107
IDC Error ellipse: s-maj=38.9km s-min=21.1km az=68.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR VIII 13 09 59 00.0–1.2 53.58N 87.96E 0 2.6
IDC VIII 13 09 59 04.4–4.0 53.60N 87.97E 0 3.1,2.6L ¶621012113
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=36.2km s-min=21.9km az=62.0.

(723) Finland-Karelia border region

ISC VIII 13 10 00 41.4–.88 64.71N–.03 30.93E–.04 0 67 1-10
HEL VIII 13 10 00 41.9–.10 64.68N 30.67E 0 1.9L ¶621012114
KOGSR VIII 13 10 00 43.3 64.74N 30.80E 0 2.2L
IDC VIII 13 10 00 43.3–2.8 64.68N 30.45E 0 2.8,2.2L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.9km az=-1.0. Explosion.
KOGSR Event type kh. Error ellipse: s-maj=20.8km s-min=11.4km az=170.0. Kostomuksha, Karelia.
IDC Error ellipse: s-maj=39.0km s-min=11.4km az=98.0.

(721) Finland

HEL VIII 13 10 02 37.2–.10 61.59N 22.64E 0 1.2L
¶626341519
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0. Explosion.

(721) Finland

ISC VIII 13 10 37 27.7–.74 63.13N–.02 27.78E–.03 0 63 0-7
HEL VIII 13 10 37 28.7–.10 63.13N 27.74E 0 1.9L ¶620985617
IDC VIII 13 10 37 30.5–2.0 63.10N 27.68E 0 2.8,2.0L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=2.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=28.0km s-min=11.2km az=99.0.

(721) Finland

HEL VIII 13 12 00 00.5–.10 67.95N 25.86E 0 1.5L
KOGSR VIII 13 12 00 02.0–.50 68.0N–.20 26E–1.0 0 1.8 ¶625331968
HEL Event type kh. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(721) Finland

HEL VIII 13 12 01 43.0–.10 63.99N 28.08E 0 1.3L
¶625422608
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=2.1km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 13 12 32 31.4–1.4 60.83N–.05 29.38E–.06 0 29 1-9
HEL VIII 13 12 32 34.7–.20 60.92N 29.21E 0 1.5L ¶621012147
IDC VIII 13 12 32 39.1–4.5 61.03N 28.93E 0 3.1,2.9L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=43.6km s-min=25.9km az=137.0.

(538) France

ISC VIII 13 15 33 53.3–.90 49.68N–.04 0.41W–.03 0 33 1-4
STR VIII 13 15 33 54.5–.02 49.7N–.20 0.5W–.20 0 2.8 ¶620993274
UCC VIII 13 15 33 56.3 49.58N 0.08W 0 3.5L
ISC Event type kh.
STR Event type sh. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
UCC Event type kh. Explosion.

(460) Wyoming

ISC VIII 13 16 01 57.6–.94 43.79N–.07 105.31W–.08 0 16 1-14
NEIC VIII 13 16 01 57.7–1.1 43.81N–.06 105.36W–.05 0–1 3.2L ¶621012177

IDC VIII 13 16 01 58.6–1.4 44.10N 105.61W 0 3.6L,3.4
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=11.0km s-min=6.9km az=351.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.3km s-min=12.2km az=146.0.

(536) Sweden

ISC VIII 13 17 00 42.6–.92 67.08N–.03 20.95E–.03 0 28 0-8
UPP VIII 13 17 00 42.6–.10 67.07N 20.93E 0 2.3L ¶620986264
IDC VIII 13 17 00 43.0–1.4 67.16N 20.84E 0 2.7,1.9L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.2km s-min=10.6km az=113.0.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 13 20 07 21.8 67.65N 33.77E 0 1.3L ¶626715611
KOGSR Event type kh. Error ellipse: s-maj=1.6km s-min=0.8km az=140.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 13 20 07 55.0–.20 67.67N–.01 33.72E–.03 0 1.6 ¶625331917
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(536) Sweden

ISC VIII 13 22 02 02.5–1.0 67.16N–.03 20.79E–.05 0 31 1-6
HEL VIII 13 22 02 02.3–.50 67.17N 20.56E 0 1.4L ¶621012238
IDC VIII 13 22 02 04.3–2.9 67.19N 20.70E 0 2.6,1.6L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.9km s-min=8.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=44.7km s-min=19.3km az=103.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 14 11 19 07.9–.77 67.54N–.02 30.47E–.03 0 56 0-6
BER VIII 14 11 19 07.8–.74 67.40N 30.87E 0 1.6L ¶621013482
KOGSR VIII 14 11 19 09.0–.50 67.53N–.03 30.50E–.07 0 2.2
HEL VIII 14 11 19 09.2–.30 67.55N 30.36E 0 1.6L
IDC VIII 14 11 19 11.3–3.0 67.63N 30.10E 0 2.7,1.8L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=6.3km s-min=43.8km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=6.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=39.8km s-min=13.7km az=82.0.

(724) Baltic States-Belarus-Northwestern Russia

HEL VIII 14 12 05 13.2–.50 67.60N 34.12E 0 1.5L
KOGSR VIII 14 12 05 14.0–.40 67.62N–.01 33.89E–.04 0 1.5L ¶625331986
HEL Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(713) Central Kazakhstan

NNC VIII 15 13 09 58.1–2.4 49.22N 69.15E 0 3.5b,3.1 ¶625786226
NNC Event type sm. Error ellipse: s-maj=22.9km s-min=11.5km az=49.0. Suspected Mining explosion.

(721) Finland

ISC VIII 15 13 59 59.6–.75 67.94N–.02 25.85E–.02 0 43 1-7
HEL VIII 15 14 00 00.8–.10 67.94N 25.82E 0 1.4L ¶621023615
IDC VIII 15 14 00 01.1–2.1 67.92N 25.84E 0 3.3,2.0L
BER VIII 15 14 00 04.9–1.7 68.09N 25.60E 0 1.4L,2.0L
KOGSR VIII 15 14 00 04.0–.20 68.1N–.10 25.9E–.30 0 1.8,2.0L
ISC Event type km.
HEL Event type kh. Explosion.
BER Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(536) Sweden

HEL VIII 15 14 46 17.0–.30 67.76N 20.22E 0 1.4L ¶626341570
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=6.3km az=-1.0. Suspected explosion.

(326) Southwestern Siberia

IDC VIII 16 03 29 34.1–4.5 54.28N 86.50E 0 2.6,2.2L
ASGSR VIII 16 03 29 31.0–1.5 54.31N 86.67E 0 2.4,2.2L ¶621030124
IDC Error ellipse: s-maj=37.1km s-min=18.5km az=60.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 16 04 00 04.1–4.8 54.46N 86.80E 0 2.6,2.4L
ASGSR VIII 16 04 00 02.0–.40 54.41N 86.80E 0 2.5,2.4L ¶621030130
IDC Error ellipse: s-maj=45.0km s-min=21.6km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 16 04 05 03.2 67.62N 33.86E 0 1.2L ¶625345611
KOGSR Event type kh. Error ellipse: s-maj=5.6km s-min=2.3km az=160.0. Khibiny, mines Rasvumchorr, Central.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 16 04 05 47.1 67.68N 33.81E 0 1.1L ¶626715612
KOGSR Event type kh. Error ellipse: s-maj=8.6km s-min=0.7km az=160.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 16 04 06 42.0–.40 67.67N–.01 33.71E–.04 0 1.6 ¶625332029
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR VIII 16 06 25 08.0 54.36N 86.66E 0 2.2
IDC VIII 16 06 24 59.3–4.6 54.48N 87.68E 0 2.6,2.3L ¶621030139
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=37.6km s-min=24.2km az=49.0.

(724) Baltic States-Belarus-Northwestern Russia

HEL VIII 16 06 47 16.2–.70 59.21N 27.97E 0 1.5L
EST VIII 16 06 47 18.0–.10 59.23N 27.78E 0 1.5L ¶625387985
LVSN VIII 16 06 47 19.7–1.5 60.23N 26.35E 0–10 2.4L
HEL Event type sh. Error ellipse: s-maj=3.9km s-min=7.1km az=-1.0. Suspected explosion.
EST Event type kh. Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=23.0km s-min=50.8km az=-1.0. Presumed earthquake.

(326) Southwestern Siberia

IDC VIII 16 07 00 36.8–3.3 54.09N 86.39E 0 3.0,2.9L
ASGSR VIII 16 07 00 25.0–.80 54.16N 86.42E 0 2.4,2.9L ¶621030141
IDC Error ellipse: s-maj=25.6km s-min=13.8km az=75.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 16 07 39 51.1–3.9 53.59N 88.08E 0 3.0,2.6L
ASGSR VIII 16 07 39 49.0–1.5 53.70N 88.13E 0 2.6,2.6L ¶621030144
IDC Error ellipse: s-maj=37.4km s-min=23.0km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 16 07 55 25.7–3.5 54.36N 86.38E 0 3.2,2.9L
ASGSR VIII 16 07 55 24.0–.30 54.31N 86.11E 0 2.4,2.9L ¶621030146
IDC Error ellipse: s-maj=27.1km s-min=14.2km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR VIII 16 09 00 06.0–1.3 54.26N 87.09E 0 2.5
IDC VIII 16 09 00 05.9–4.5 54.36N 87.33E 0 2.6,2.2L ¶621030153
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.1km s-min=22.7km az=60.0.

(326) Southwestern Siberia

IDC VIII 16 09 03 16.2–3.7 53.79N 88.15E 0 2.8,2.4L
ASGSR VIII 16 09 03 12.0–1.3 53.75N 88.21E 0 2.6,2.4L ¶621030154
IDC Error ellipse: s-maj=28.9km s-min=22.5km az=53.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ISC VIII 16 09 30 12.9–2.9 53.6N–.10 87.0E–.10 0 9 1-8
ASGSR VIII 16 09 30 05.0 53.51N 87.56E 0 2.7 ¶621030156
IDC VIII 16 09 30 08.0–4.0 53.53N 87.52E 0 2.9,2.5L
NNC VIII 16 09 30 33.0–3.8 50.97N 88.68E 0 3.4b,3.0
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=37.3km s-min=19.9km az=62.0.
NNC Event type se. Error ellipse: s-maj=27.8km s-min=18.7km az=64.0.

(326) Southwestern Siberia

IDC VIII 16 09 40 02.7–3.7 53.71N 88.03E 0 2.6,2.4L
ASGSR VIII 16 09 39 59.0–1.2 53.63N 87.98E 0 2.6,2.4L ¶621030157
IDC Error ellipse: s-maj=28.9km s-min=22.2km az=53.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(721) Finland

ISC VIII 16 14 00 29.2–.75 63.96N–.02 28.07E–.03 0 53 1-6
HEL VIII 16 14 00 30.4–.10 63.93N 28.04E 0 1.4L ¶621030185
IDC VIII 16 14 00 31.1–2.1 63.94N 27.84E 0 2.8,1.5L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.5km s-min=1.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=44.0km s-min=11.5km az=94.0.

(478) Utah

ISC VIII 16 18 00 22.8–.99 41.07N–.04 112.82W–.04 0 23 0-8
IDC VIII 16 18 00 21.0–2.2 41.14N 112.98W 0 2.8L,1.7 ¶621030198
NEIC VIII 16 18 00 21.3–1.8 41.08N–.02 112.87W–.04 0–1 1.7L,1.7
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(326) Southwestern Siberia

ASGSR VIII 17 06 35 10.0–.70 54.14N 87.25E 0 2.6
IDC VIII 17 06 35 10.5–4.5 54.22N 87.42E 0 3.0,2.5L ¶621030238
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.0km s-min=24.2km az=53.0.

(329) Eastern Kazakhstan

ISC VIII 17 08 33 26.2–1.3 49.85N–.05 82.11E–.07 0 10 2-15
NNC VIII 17 08 33 32.5–.67 49.99N 81.93E 0 3.1b,2.7 ¶621030245
IDC VIII 17 08 33 32.2–1.3 49.72N 81.53E 0 2.7,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=9.5km s-min=2.0km az=47.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.8km s-min=10.6km az=77.0.

(326) Southwestern Siberia

ASGSR VIII 17 09 53 14.0 54.19N 87.03E 0 2.7
IDC VIII 17 09 53 15.7–4.2 54.24N 87.08E 0 2.8,2.5L ¶621030250
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.7km s-min=20.6km az=69.0.

(326) Southwestern Siberia

ASGSR VIII 17 09 59 17.0–.80 54.15N 87.17E 0 2.7
IDC VIII 17 09 59 18.8–4.4 54.20N 87.36E 0 2.9,2.7L ¶621030251
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.3km s-min=22.8km az=62.0.

(723) Finland-Karelia border region

ISC VIII 17 10 00 27.8–.85 64.76N–.03 30.52E–.04 0 51 1-9
KOGSR VIII 17 10 00 28.0–.80 64.7N–.20 30.5E–.30 0 ¶621030252
HEL VIII 17 10 00 28.2–.20 64.76N 30.68E 0 1.8L
IDC VIII 17 10 00 30.9–3.0 64.77N 30.69E 0 3.2,2.1L
BER VIII 17 10 00 32.5–1.4 64.94N 30.79E 0 1.8L,2.1L
ISC Event type km.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=5.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=42.1km s-min=11.8km az=97.0.
BER Event type sh. Error ellipse: s-maj=12.1km s-min=25.2km az=-1.0. Suspected explosion.

(723) Finland-Karelia border region

HEL VIII 17 10 00 31.9–.70 61.17N 29.74E 0 1.4L ¶625422725
HEL Event type sh. Error ellipse: s-maj=2.3km s-min=8.8km az=-1.0. Suspected explosion.

(326) Southwestern Siberia

IDC VIII 17 10 32 45.0–4.5 53.74N 90.83E 0 3.1,2.8L
ASGSR VIII 17 10 32 40.0–1.8 53.77N 91.06E 0 2.8,2.8L ¶621030255
IDC Error ellipse: s-maj=40.3km s-min=26.2km az=28.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(584) South Africa

PRE VIII 17 10 47 47.0–1.1 25.85S 29.82E 0 1.3L ¶625903697
PRE Event type sh. Error ellipse: s-maj=3.0km s-min=3.8km az=-1.0. Suspected explosion.

(721) Finland

ISC VIII 17 11 29 59.5–.75 67.93N–.02 25.83E–.02 0 49 1-26
HEL VIII 17 11 30 00.6–.10 67.95N 25.78E 0 1.4L ¶621030258
IDC VIII 17 11 30 01.6–7.8 67.96N 25.92E 0 1.4L
BER VIII 17 11 30 02.3–2.6 67.92N 25.82E 0 1.4L
KOGSR VIII 17 11 30 05.0–.50 68.09N–.07 25.9E–.20 0 1.7
ISC Event type km.
HEL Event type kh. Explosion.
BER Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(721) Finland

HEL VIII 17 12 15 50.8–.20 63.66N 26.13E 0 1.0L ¶626341611
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0. Explosion.

(536) Sweden

ISC VIII 17 12 30 14.2–.75 67.42N–.02 23.45E–.03 0 49 0-6
HEL VIII 17 12 30 14.6–.10 67.45N 23.30E 0 1.5L ¶621030264
IDC VIII 17 12 30 15.4–2.2 67.46N 23.56E 0 2.5,1.8L
BER VIII 17 12 30 18.6–1.6 67.59N 23.16E 0 1.5L,1.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=2.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=37.7km s-min=16.0km az=98.0.
BER Event type sh. Error ellipse: s-maj=18.4km s-min=44.0km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 17 12 59 57.4–.80 68.15N–.02 33.17E–.03 0 61 1-7
BER VIII 17 12 59 56.9–.54 67.98N 33.52E 0 1.7L ¶621030269
HEL VIII 17 12 59 58.0–.10 68.14N 33.15E 0 1.7L
KOGSR VIII 17 12 59 58.0–.30 68.15N–.01 33.21E–.05 0 2.2
IDC VIII 17 13 00 00.9–3.4 68.12N 32.72E 0 2.8,2.0L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=4.3km s-min=32.2km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=2.2km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=38.9km s-min=18.4km az=65.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 17 14 30 00.5–.71 59.61N–.02 24.58E–.02 0 74 0-10
UPP VIII 17 14 29 59.2–2.9 59.69N 24.91E 0 2.1L ¶620993285
LVSN VIII 17 14 30 00.4–2.2 59.61N 24.56E 0–5 2.2L
HEL VIII 17 14 30 01.8–.00 59.61N 24.59E 0 1.8L
EST VIII 17 14 30 01.7–.00 59.61N 24.59E 0 1.8L
IDC VIII 17 14 30 02.2–3.0 59.61N 24.60E 0 3.0,2.2L
ISC Event type kh.
UPP Event type se. Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0. Presumed earthquake.
LVSN Event type se. Error ellipse: s-maj=6.5km s-min=13.0km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Explosion.
EST Event type kh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=30.1km s-min=12.1km az=156.0.

(584) South Africa

ISC VIII 17 15 21 37.6–3.8 28.1S–.10 22.8E–.20 0 11 2-10
PRE VIII 17 15 21 33.3–1.2 28.29S 22.50E 0 2.2L ¶621030279
IDC VIII 17 15 21 40.7–5.9 28.32S 22.98E 0 2.5L,2.4
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=8.6km s-min=11.4km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=42.6km s-min=40.9km az=3.0.

(536) Sweden

ISC VIII 17 17 05 54.8–.69 67.07N–.02 20.90E–.02 0 82 0-11
UPP VIII 17 17 05 55.1–.10 67.06N 20.95E 0 2.6L ¶621030283
IDC VIII 17 17 05 55.2–1.1 67.08N 21.01E 0 3.1,2.2L
HEL VIII 17 17 05 56.0–.20 67.08N 20.96E 0 2.1L,2.2L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=16.1km s-min=8.6km az=108.0.

HEL Event type sh. Error ellipse: s-maj=0.9km s-min=4.1km az=-1.0. Suspected explosion.

(460) Wyoming

ISC	**VIII**	**17 20 02 30.2–1.0**	**43.80N–.07**	**105.39W–.06**	**0**		**58**	**1-19**
NEIC	VIII	17 20 02 29.4–1.9	43.78N–.06	105.48W–.05	0–1	3.3L		**¶621030300**
IDC	VIII	17 20 02 31.7–2.0	44.05N	105.53W	0	3.5,3.1L		

ISC Event type sm.

NEIC Event type sm. Error ellipse: s-maj=10.2km s-min=5.2km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=51.5km s-min=10.6km az=145.0.

(548) Poland

ISC	**VIII**	**17 20 32 49.7–.85**	**51.62N–.03**	**16.15E–.03**	**0**		**64**	**1-5**
DNK	VIII	17 20 32 49.9–1.0	51.42N	16.43E	36–45			**¶620997055**
IPEC	VIII	17 20 32 50.3–.19	51.60N	16.24E	1	2.2L		
VIE	VIII	17 20 32 52.4–1.4	51.45N	16.36E	0	2.8L,2.5b		
PRU	VIII	17 20 32 53.6	51.50N	16.14E	0	2.8L,2.5b		

ISC Event type sr.

DNK Event type se. Error ellipse: s-maj=40.2km s-min=27.2km az=-1.0. Presumed earthquake.

IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=68.0.

VIE Event type sr. Error ellipse: s-maj=11.4km s-min=8.7km az=51.0. 61 km NW of Wroclaw . Suspected Mining induced.

PRU Event type ki.

(332) Northern Xinjiang

ISC	**VIII**	**17 20 51 23.9–.61**	**43.46N–.04**	**81.44E–.03**	**0**	**4.4s,3.6b**	**73**	**1-82**
IDC	VIII	17 20 51 22.6–.87	43.36N	81.27E	0	4.3s,3.8b		**¶621030306**
NNC	VIII	17 20 51 26.7–1.6	43.52N	81.41E	0	3.9,3.9b		
SOME	VIII	17 20 51 27.7	43.53N	81.40E	10	3.9,3.9b		

ISC Event type sm.

IDC Error ellipse: s-maj=13.0km s-min=9.9km az=99.0.

NNC Event type sm. Error ellipse: s-maj=14.3km s-min=7.3km az=143.0. Suspected Mining explosion.

(332) Northern Xinjiang

ISC	**VIII**	**17 20 53 12.3–.79**	**43.35N–.05**	**81.50E–.04**	**0**	**3.6b**	**72**	**1-82**
IDC	VIII	17 20 53 11.8–.96	43.32N	81.40E	0	3.8b,3.7		**¶621030307**
SOME	VIII	17 20 53 16.3	43.60N	81.10E	5	3.8b,3.7		
NNC	VIII	17 20 53 19.0–1.2	43.55N	81.21E	0	4.6b,4.4		

ISC Event type sm.

IDC Error ellipse: s-maj=20.6km s-min=10.8km az=85.0.

NNC Event type sm. Error ellipse: s-maj=9.1km s-min=5.6km az=134.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**VIII**	**18 06 30 07.1–3.6**	**53.70N**	**87.76E**	**0**	**2.7,2.4L**		
ASGSR	VIII	18 06 30 03.0–1.5	53.64N	87.95E	0	2.7,2.4L		**¶621030350**

IDC Error ellipse: s-maj=27.3km s-min=19.1km az=70.0.

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**VIII**	**18 07 30 02.2–3.9**	**54.14N**	**86.44E**	**0**	**2.6L,2.6**		
ASGSR	VIII	18 07 30 01.0–1.5	54.13N	86.39E	0	2.6,2.6		**¶621030353**

IDC Error ellipse: s-maj=33.2km s-min=17.1km az=66.0.

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**VIII**	**18 07 50 03.4–4.1**	**53.53N**	**87.72E**	**0**	**2.7,2.5L**		
ASGSR	VIII	18 07 50 01.0–1.2	53.54N	87.69E	0	2.6,2.5L		**¶621030354**

IDC Error ellipse: s-maj=37.0km s-min=20.8km az=62.0.

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**VIII**	**18 08 20 05.0–3.5**	**53.57N**	**87.77E**	**0**	**2.9,2.6L**		
ASGSR	VIII	18 08 20 05.0–1.1	53.53N	87.73E	0	2.7,2.6L		**¶621030357**

IDC Error ellipse: s-maj=28.5km s-min=20.7km az=57.0.

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR	**VIII**	**18 09 05 06.0–.60**	**54.19N**	**87.14E**	**0**			
IDC	VIII	18 09 05 04.7–3.9	54.19N	87.56E	0	2.9,2.6L		**¶621030360**

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

IDC Error ellipse: s-maj=29.3km s-min=23.3km az=50.0.

(326) Southwestern Siberia

ASGSR	**VIII**	**18 09 20 14.0–1.1**	**54.28N**	**86.82E**	**0**	**2.7**		
IDC	VIII	18 09 20 11.2–4.1	54.33N	87.09E	0	2.7L,2.7		**¶621030361**

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

IDC Error ellipse: s-maj=40.1km s-min=20.5km az=65.0.

(326) Southwestern Siberia

ISC	**VIII**	**18 09 37 51.4–3.9**	**53.5N–.10**	**90.3E–.20**	**0**		**11**	**3-12**
ASGSR	VIII	18 09 37 41.0–1.7	53.73N	91.06E	0	3.2		**¶621030362**
IDC	VIII	18 09 37 48.4–3.5	53.50N	90.55E	0	3.1,2.7L		
NNC	VIII	18 09 37 49.7–3.2	53.51N	90.41E	0	3.7b,3.4		

ISC Event type km.

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

IDC Error ellipse: s-maj=29.1km s-min=24.3km az=53.0.

NNC Event type sm. Error ellipse: s-maj=23.2km s-min=16.5km az=60.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**VIII**	**18 09 45 07.3–4.0**	**53.56N**	**88.02E**	**0**	**2.6,2.3L**		
ASGSR	VIII	18 09 45 07.0–1.3	53.58N	87.85E	0	2.5,2.3L		**¶625332098**

IDC Error ellipse: s-maj=36.1km s-min=21.2km az=62.0.

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR	**VIII**	**18 09 58 46.0–1.2**	**54.27N**	**86.89E**	**0**	**2.8**		
IDC	VIII	18 09 58 45.9–3.4	54.34N	87.04E	0	2.8L,2.7		**¶621030365**

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

IDC Error ellipse: s-maj=29.2km s-min=21.9km az=67.0.

(536) Sweden

HEL	**VIII**	**18 10 33 56.7–.30**	**67.80N**	**20.12E**	**0**	**1.2L**		
								¶626341628

HEL Event type sh. Error ellipse: s-maj=1.3km s-min=7.1km az=-1.0. Suspected explosion.

(721) Finland

ISC	**VIII**	**18 10 59 59.0–.78**	**67.93N–.02**	**25.88E–.03**	**0**		**43**	**1-7**
IDC	VIII	18 10 59 57.2–2.1	67.79N	25.97E	0	3.4,1.9L		**¶621030369**
HEL	VIII	18 11 00 00.3–.10	67.94N	25.82E	0	1.5L,1.9L		
KOGSR	VIII	18 11 00 01.0–.40	67.91N–.10	26.0E–.20	0	1.9,1.9L		
BER	VIII	18 11 00 02.2–1.7	67.94N	25.71E	0	1.5L,1.9L		

ISC Event type km.

IDC Error ellipse: s-maj=33.7km s-min=15.2km az=88.0.

HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.1km az=-1.0. Explosion.

KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

BER Event type sh. Error ellipse: s-maj=13.9km s-min=27.6km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

HEL	**VIII**	**18 12 18 40.3–.10**	**67.67N**	**33.69E**	**0**	**1.3L**		
								¶626341631

HEL Event type sh. Error ellipse: s-maj=1.5km s-min=2.8km az=-1.0. Suspected explosion.

(535) Southern Norway

BER	**VIII**	**18 13 56 46.4–1.7**	**59.56N**	**8.93E**	**0**	**0.4L**		
								¶626714514

BER Event type sh. Error ellipse: s-maj=8.3km s-min=11.2km az=-1.0. Suspected explosion.

(721) Finland

HEL	**VIII**	**18 13 57 28.1–.10**	**63.80N**	**22.94E**	**0**	**1.2L**		
								¶626341635

HEL Event type kh. Error ellipse: s-maj=0.5km s-min=1.3km az=-1.0. Explosion.

(584) South Africa

ISC	**VIII**	**18 15 42 31.2–.84**	**26.00S–.03**	**29.30E–.03**	**0**		**37**	**1-13**
BGSI	VIII	18 15 42 28.4–1.6	25.99S	29.92E	0–22	2.9L		**¶621030386**
IDC	VIII	18 15 42 29.1–3.5	26.09S	29.25E	0	3.1,2.6L		
PRE	VIII	18 15 42 31.2–.83	26.03S	29.29E	0	2.6L,2.6L		

ISC Event type sh.

BGSI Event type se. Error ellipse: s-maj=7.3km s-min=21.1km az=-1.0. Presumed earthquake.

IDC Error ellipse: s-maj=28.8km s-min=19.3km az=83.0.

PRE Event type sh. Error ellipse: s-maj=1.6km s-min=1.4km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**VIII**	**18 16 26 37.5–.87**	**67.62N–.03**	**34.05E–.03**	**0**		**64**	**0-7**
HEL	VIII	18 16 26 37.5–.20	67.58N	34.09E	0	2.3L		**¶625332106**
BER	VIII	18 16 26 38.5–.42	67.48N	34.00E	0	2.3L		
KOGSR	VIII	18 16 26 38.0–.50	67.63N–.02	34.02E–.06	0	2.6		

ISC Event type km.

HEL Event type sh. Suspected explosion.

BER Event type sh. Suspected explosion.

KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(536) Sweden

ISC	**VIII**	**18 23 18 16.0–.74**	**67.83N–.02**	**20.25E–.02**	**0**		**63**	**0-8**
UPP	VIII	18 23 18 16.3–.00	67.84N	20.21E	0	2.4L		**¶621030430**
HEL	VIII	18 23 18 16.8–.20	67.83N	20.20E	0	1.9L		
IDC	VIII	18 23 18 17.9–1.5	67.77N	20.58E	0	3.1,2.0L		

ISC Event type kh.

UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

HEL Event type kh. Error ellipse: s-maj=0.6km s-min=3.4km az=-1.0. Explosion.

IDC Error ellipse: s-maj=21.4km s-min=10.3km az=119.0.

(326) Southwestern Siberia

IDC	**VIII**	**19 07 28 29.3–3.4**	**53.74N**	**87.88E**	**0**	**2.8,2.5L**		
ASGSR	VIII	19 07 28 25.0	53.74N	88.10E	0	2.4,2.5L		**¶621039165**

IDC Error ellipse: s-maj=27.7km s-min=23.3km az=55.0.

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**VIII**	**19 07 54 29.9–4.5**	**53.81N**	**88.08E**	**0**	**2.5,2.2L**		
ASGSR	VIII	19 07 54 31.0–1.1	53.81N	88.22E	0	2.3,2.2L		**¶621039167**

IDC Error ellipse: s-maj=41.7km s-min=23.5km az=49.0.

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**VIII**	**19 08 31 19.5–3.0**	**54.77N**	**83.31E**	**0**	**2.4,2.0L**		
ASGSR	VIII	19 08 31 22.0–.90	54.65N	83.35E	0	2.4,2.0L		**¶621039172**

IDC Error ellipse: s-maj=27.1km s-min=13.7km az=150.0.

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**VIII**	**19 08 55 14.5–3.5**	**53.60N**	**87.42E**	**0**	**2.4L,2.4**		
ASGSR	VIII	19 08 55 13.0–1.1	53.49N	87.49E	0	2.4,2.4		**¶621039174**

IDC Error ellipse: s-maj=27.3km s-min=17.4km az=82.0.

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR	**VIII**	**19 09 00 06.0–1.2**	**54.23N**	**87.03E**	**0**	**2.4**		
IDC	VIII	19 09 00 05.8–3.5	54.25N	87.07E	0	2.7,2.5L		**¶621039176**

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

IDC Error ellipse: s-maj=28.8km s-min=18.3km az=77.0.

(536) Sweden

DNK	**VIII**	**19 10 35 17.4–.33**	**56.90N**	**14.74E**	**0**	**1.2L**		
								¶626261103

DNK Event type kh. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. Explosion.

(721) Finland

HEL	**VIII**	**19 11 01 28.8–.10**	**60.37N**	**25.17E**	**0**	**0.9L**		
								¶626341651

HEL Event type kh. Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0. Explosion.

(721) Finland

HEL	**VIII**	**19 11 59 37.3–.10**	**63.99N**	**28.02E**	**0**	**1.2L**		
								¶626341657

HEL Event type sh. Error ellipse: s-maj=0.8km s-min=2.3km az=-1.0. Suspected explosion.

(721) Finland

HEL	**VIII**	**19 12 00 09.7–.00**	**67.70N**	**26.99E**	**0**	**1.1L**		
KOGSR	VIII	19 12 00 10.0–.10	69.8N–.30	31.0E–.50	0	1.1L		**¶626233116**
BER	VIII	19 12 00 11.9–1.3	67.67N	26.84E	0	1.2L		

HEL Event type kh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Explosion.

KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

BER Event type sh. Error ellipse: s-maj=19.8km s-min=60.8km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

HEL	**VIII**	**19 12 00 16.9–1.0**	**59.11N**	**28.21E**	**0**	**1.5L**		
EST	VIII	19 12 00 16.8–.10	59.13N	28.21E	0	1.4L		**¶626341658**

HEL Event type sh. Error ellipse: s-maj=5.7km s-min=7.6km az=-1.0. Suspected explosion.

EST Event type kh. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Explosion.

(721) Finland

HEL	**VIII**	**19 12 09 23.9–.10**	**62.83N**	**27.55E**	**0**	**1.1L**		
								¶625422802

HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.9km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

HEL	**VIII**	**19 12 09 54.0–.20**	**67.66N**	**33.66E**	**0**	**1.2L**		
KOGSR	VIII	19 12 09 53.0–.40	67.68N–.01	33.72E–.04	0	1.7		**¶625332139**

HEL Event type sh. Suspected explosion.

KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(536) Sweden

HEL	**VIII**	**19 12 11 15.0–.40**	**67.84N**	**20.16E**	**0**	**1.2L**		
								¶626341659

HEL Event type sh. Error ellipse: s-maj=1.6km s-min=8.3km az=-1.0. Suspected explosion.

(721) Finland

ISC	**VIII**	**19 12 29 59.5–.75**	**67.93N–.02**	**25.84E–.02**	**0**		**44**	**1-20**
HEL	VIII	19 12 30 00.6–.10	67.95N	25.80E	0	1.4L		**¶621039193**
IDC	VIII	19 12 30 02.1–7.7	67.98N	25.81E	0	1.4L		
BER	VIII	19 12 30 03.0–1.8	67.95N	25.65E	0	1.4L		

ISC Event type kh.

HEL Event type kh. Error ellipse: s-maj=0.8km s-min=2.5km az=-1.0. Explosion.

IDC Error ellipse: s-maj=50.2km s-min=34.2km az=167.0.

BER Event type sh. Error ellipse: s-maj=30.6km s-min=48.5km az=-1.0. Suspected explosion.

(713) Central Kazakhstan

NNC	**VIII**	**19 12 56 23.0–1.3**	**49.61N**	**74.02E**	**0**	**3.6b,3.4**		
								¶625786356

NNC Event type sm. Error ellipse: s-maj=27.4km s-min=5.1km az=143.0. Suspected Mining explosion.

(548) Poland

ISC	**VIII**	**19 15 55 17.3–.78**	**51.59N–.03**	**16.12E–.03**	**0**		**82**	**1-19**
IDC	VIII	19 15 55 18.8–1.5	51.55N	16.03E	0	3.4,3.0L		**¶621000756**
IPEC	VIII	19 15 55 19.3–.18	51.50N	16.11E	1	2.3L,3.0L		
DNK	VIII	19 15 55 19.9–1.2	51.65N	15.99E	0	2.7L,3.0L		
PRU	VIII	19 15 55 20.4	51.47N	16.01E	0	2.7L,3.0L		
VIE	VIII	19 15 55 22.4–.61	51.28N	15.98E	0	2.6L,2.3b		

ISC Event type sr.

IDC Error ellipse: s-maj=24.4km s-min=12.5km az=107.0.

IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=63.0.

DNK Event type sh. Error ellipse: s-maj=8.4km s-min=31.1km az=-1.0. Suspected explosion.

PRU Event type ki.

VIE Event type sr. Error ellipse: s-maj=4.5km s-min=4.1km az=97.0. 75 km WNW of Wroclaw . Suspected Mining induced.

(332) Northern Xinjiang

ISC	**VIII**	**19 19 36 04.8–1.9**	**43.44N–.07**	**82.29E–.08**	**0**		**53**	**1-9**
SOME	VIII	19 19 36 04.0	43.33N	82.32E	10			**¶625786362**
NNC	VIII	19 19 36 06.0–1.3	43.52N	82.38E	0	3.8b,3.6		

ISC Event type sm.

NNC Event type sm. Error ellipse: s-maj=11.1km s-min=5.7km az=140.0. Suspected Mining explosion.

(478) Utah

ISC	**VIII**	**19 22 14 06.2–1.4**	**40.61N–.05**	**109.56W–.09**	**0**		**28**	**1-75**
NEIC	VIII	19 22 14 10.6–1.9	40.90N–.04	110.03W–.07	0–1	2.8L		**¶621039221**
IDC	VIII	19 22 14 12.6–1.9	40.97N	110.05W	0	3.6b,3.3		

ISC Event type sm.

NEIC Event type sm. Error ellipse: s-maj=11.2km s-min=2.9km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=37.6km s-min=17.8km az=125.0.

(329) Eastern Kazakhstan

ISC	**VIII**	**20 01 29 06.3–.77**	**44.02N–.03**	**77.00E–.02**	**0**		**56**	**0-7**
SOME	VIII	20 01 29 07.4	44.00N	77.08E				**¶621148137**
NNC	VIII	20 01 29 07.7–.55	43.99N	77.08E	0	3.5b,3.5		
KNET	VIII	20 01 29 09.4–.48	43.94N	76.90E	15–3	2.8L,3.5		

ISC Event type kx.

SOME Event type kx.

NNC Error ellipse: s-maj=5.1km s-min=2.6km az=145.0.

KNET Error ellipse: s-maj=4.4km s-min=3.7km az=27.0.

(713) Central Kazakhstan

ISC	**VIII**	**20 04 14 17.9–.81**	**42.97N–.04**	**74.90E–.02**	**0**		**41**	**0-3**
KRNET	VIII	20 04 14 17.8–.10	43.05N	74.90E		3.0b		**¶621148138**

KNET VIII 20 04 14 18.2–.27 43.02N 74.88E 11–2 1.2L
SOME VIII 20 04 14 19.0 43.05N 74.97E 1.2L
NNC VIII 20 04 14 19.5–.63 43.00N 74.95E 1–5 2.6,2.3b
ISC Event type sm.
KRNET Event type kh.
KNET Error ellipse: s-maj=3.1km s-min=1.3km az=63.0.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=9.8km s-min=2.6km az=150.0. Suspected Mining explosion.

(326) Southwestern Siberia

ISC VIII 20 07 02 37.6–2.6 54.6N–.20 83.84E–.07 0 13 1-8
ASGSR VIII 20 07 02 37.0–1.1 54.65N 83.67E 0 2.4 **¶621041246**
NNC VIII 20 07 02 38.6–1.6 54.61N 83.66E 0 3.3b,2.8
IDC VIII 20 07 02 39.6–1.8 54.58N 83.73E 0 3.2,2.8L
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=11.2km s-min=7.9km az=3.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.9km s-min=11.1km az=159.0.

(326) Southwestern Siberia

ASGSR VIII 20 07 07 27.0–1.1 54.22N 87.26E 0 2.5
IDC VIII 20 07 07 29.9–3.8 54.25N 87.36E 0 2.6,2.3L **¶621041247**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=29.4km s-min=22.3km az=64.0.

(326) Southwestern Siberia

ISC VIII 20 07 16 44.8–2.2 54.8N–.10 83.78E–.07 0 15 1-8
ASGSR VIII 20 07 16 46.0–1.5 54.58N 83.62E 0 2.8 **¶621041248**
NNC VIII 20 07 16 47.2–.88 54.69N 83.77E 0 3.1b,2.7
IDC VIII 20 07 16 48.3–1.7 54.62N 83.70E 0 3.3,3.1L
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=6.1km s-min=3.3km az=161.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.8km s-min=10.7km az=166.0.

(326) Southwestern Siberia

IDC VIII 20 07 46 51.3–4.5 54.43N 86.90E 0 2.7,2.6L
ASGSR VIII 20 07 46 49.0–1.9 54.38N 86.62E 0 2.3,2.6L **¶621041250**
IDC Error ellipse: s-maj=43.6km s-min=21.5km az=61.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 20 07 50 12.7–4.6 53.72N 88.09E 0 2.9,2.3L
ASGSR VIII 20 07 50 09.0–1.1 53.68N 88.11E 0 2.5,2.3L **¶621041251**
IDC Error ellipse: s-maj=43.1km s-min=23.6km az=52.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 20 08 05 28.9–4.0 53.88N 87.30E 0 2.6,2.3L
ASGSR VIII 20 08 05 28.0–.90 53.59N 87.07E 0 2.6,2.3L **¶621041252**
IDC Error ellipse: s-maj=37.9km s-min=22.2km az=71.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 20 08 34 12.7–4.0 54.01N 86.60E 0 2.8,2.5L
ASGSR VIII 20 08 34 10.0–1.3 54.05N 86.57E 0 2.4,2.5L **¶621041254**
IDC Error ellipse: s-maj=33.3km s-min=16.6km az=74.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 20 08 50 15.0–4.3 54.18N 86.99E 0 3.2,2.5L
ASGSR VIII 20 08 50 08.0–1.2 54.12N 87.19E 0 2.3,2.5L **¶621041255**
IDC Error ellipse: s-maj=41.2km s-min=20.8km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ISC VIII 20 08 55 03.5–4.0 54.6N–.20 87.0E–.20 0 18 1-11
ASGSR VIII 20 08 55 05.0–1.2 54.35N 86.81E 0 2.7 **¶621041256**
NNC VIII 20 08 55 06.0–2.6 54.43N 86.95E 0 3.8b,3.4
IDC VIII 20 08 55 06.4–3.0 54.46N 86.91E 0 3.8,3.4L
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=21.1km s-min=16.5km az=66.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.9km s-min=16.3km az=68.0.

(326) Southwestern Siberia

IDC VIII 20 08 59 35.3–3.4 53.63N 86.96E 0 2.7,2.5L
ASGSR VIII 20 08 59 33.0–1.1 53.58N 86.87E 0 2.3,2.5L **¶621041257**
IDC Error ellipse: s-maj=35.0km s-min=18.8km az=88.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 20 09 15 13.0–3.6 53.67N 87.90E 0 2.7,2.4L
ASGSR VIII 20 09 15 10.0–1.1 53.56N 87.91E 0 2.6,2.4L **¶625332184**
IDC Error ellipse: s-maj=27.5km s-min=19.2km az=70.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 20 09 29 44.0–4.6 54.27N 86.73E 0 2.6,2.2L
ASGSR VIII 20 09 29 41.0 54.27N 86.87E 0 2.2,2.2L **¶621041261**
IDC Error ellipse: s-maj=39.4km s-min=18.4km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 20 09 53 15.3–3.2 53.62N 86.72E 0 2.4,2.1L
ASGSR VIII 20 09 53 11.0 53.58N 86.82E 0 2.4,2.1L **¶621041263**
IDC Error ellipse: s-maj=26.3km s-min=15.8km az=95.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 20 09 55 05.0–3.4 53.54N 87.66E 0 2.8,2.6L
ASGSR VIII 20 09 55 01.0–1.1 53.57N 87.68E 0 2.5,2.6L **¶621041264**
IDC Error ellipse: s-maj=27.6km s-min=20.0km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 20 09 59 36.4–4.0 54.44N 86.64E 0 2.9,2.8L
ASGSR VIII 20 09 59 33.0–1.1 54.45N 86.79E 0 2.5,2.8L **¶621041266**
IDC Error ellipse: s-maj=30.9km s-min=19.4km az=58.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(723) Finland-Karelia border region

ISC VIII 20 10 46 45.4–.89 64.71N–.02 30.72E–.04 0 58 1-9
IDC VIII 20 10 46 45.4–3.1 64.64N 31.09E 0 3.0,2.1L **¶621041271**
KOGSR VIII 20 10 46 46.1 64.69N 30.60E 0 2.1L,2.1L
HEL VIII 20 10 46 46.2–.20 64.68N 30.62E 0 1.9L,2.1L
ISC Event type kh.
IDC Error ellipse: s-maj=40.7km s-min=11.4km az=100.0.
KOGSR Event type kh. Error ellipse: s-maj=13.8km s-min=10.7km az=150.0. Kostomuksha, Karelia.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=4.4km az=-1.0. Explosion.

(723) Finland-Karelia border region

ISC VIII 20 10 47 26.3–1.5 64.68N–.08 30.9E–.10 0 13 2-10
IDC VIII 20 10 47 28.5–3.4 64.60N 30.85E 0 2.9,2.1L **¶621041274**
KOGSR VIII 20 10 47 30.1 64.68N 30.90E 0 2.6L,2.1L
ISC Event type kh.
IDC Error ellipse: s-maj=44.0km s-min=12.3km az=99.0.
KOGSR Event type kh. Error ellipse: s-maj=14.1km s-min=11.0km az=160.0. Kostomuksha, Karelia.

(541) Belgium

UCC VIII 20 11 00 39.8 50.62N 4.02E 10 1.7L
¶626714492
UCC Event type km. Mining explosion.

(535) Southern Norway

BER VIII 20 11 01 20.2–.82 60.34N 5.30E 0
¶624608232
BER Event type sh. Error ellipse: s-maj=1.9km s-min=15.0km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 20 15 03 02.9–.82 68.06N–.02 33.36E–.03 0 59 0-11
IDC VIII 20 15 03 02.6–2.6 68.13N 33.71E 0 3.6,2.1L **¶621041289**
KOGSR VIII 20 15 03 03.0–.30 68.06N–.01 33.34E–.07 0 2.3,2.1L
BER VIII 20 15 03 03.2–1.0 67.98N 33.60E 0 2.3,2.1L
HEL VIII 20 15 03 03.1–.20 68.12N 33.34E 0 1.8L,2.1L
ISC Event type km.
IDC Error ellipse: s-maj=26.4km s-min=13.1km az=84.0.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
BER Event type sh. Error ellipse: s-maj=7.1km s-min=37.3km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0. Suspected explosion.

(584) South Africa

ISC VIII 20 15 37 38.5–2.0 28.22S–.08 22.65E–.09 0 29 2-9
PRE VIII 20 15 37 39.0–.73 28.40S 22.64E 0 2.7L **¶624893669**
BGSI VIII 20 15 37 43.2–1.5 28.52S 22.44E 72–16 2.8L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=7.5km s-min=8.8km az=-1.0. Presumed earthquake.

(548) Poland

ISC VIII 21 04 34 46.2–.70 50.28N–.03 18.74E–.02 0 84 0-12
VIE VIII 21 04 34 46.6–.64 50.16N 18.88E 0 2.8L,2.1b **¶620999688**
IDC VIII 21 04 34 48.0–1.3 50.39N 18.56E 0 3.1,2.3L
IPEC VIII 21 04 34 48.1–.19 50.17N 18.74E 1 2.7L,2.3L
PRU VIII 21 04 34 49.6 50.20N 18.68E 0 2.7L,2.3L
DNK VIII 21 04 34 50.5–1.7 50.37N 18.37E 0 2.9L,2.3L
BRA VIII 21 04 34 50.4–.67 50.15N 18.68E 10 2.1L,2.3L
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=7.1km s-min=3.2km az=89.0. 12 km SW of Katowice . Suspected Mining induced.
IDC Error ellipse: s-maj=19.1km s-min=9.5km az=143.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.0km az=7.0.
PRU Event type ki.
DNK Event type sh. Error ellipse: s-maj=17.7km s-min=52.9km az=-1.0. Suspected explosion.
BRA Event type kr. Error ellipse: s-maj=3.8km s-min=1.8km az=0.0. Mining induced.

(548) Poland

ISC VIII 21 09 12 51.7–.73 50.26N–.03 18.99E–.02 0 79 1-20
VIE VIII 21 09 12 51.4–.66 50.31N 18.99E 0 2.4L,2.2b **¶620999690**
IDC VIII 21 09 12 51.9–1.2 50.30N 19.00E 0 3.3,2.6L
IPEC VIII 21 09 12 52.4–.21 50.23N 18.95E 1 2.5L,2.6L
PRU VIII 21 09 12 53.6 50.24N 18.97E 0 2.5L,2.6L
BRA VIII 21 09 12 54.5–.64 50.16N 18.96E 10 2.1L,2.6L
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=5.2km s-min=4.2km az=138.0. 6 km N of Katowice . Suspected Mining induced.
IDC Error ellipse: s-maj=22.5km s-min=9.2km az=147.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.0km az=9.0.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=3.7km s-min=1.9km az=0.0. Mining induced.

(721) Finland

ISC VIII 21 11 29 59.7–.75 67.94N–.02 25.84E–.02 0 47 1-26
HEL VIII 21 11 30 00.6–.10 67.94N 25.82E 0 1.4L **¶621042987**
IDC VIII 21 11 30 01.5–7.8 67.96N 26.05E 0 1.4L
BER VIII 21 11 30 03.5–2.1 67.94N 25.50E 0 1.4L
KOGSR VIII 21 11 30 41.0–.40 68.14N–.02 33.16E–.10 0 1.8
ISC Event type kh.
HEL Event type kh. Explosion.
BER Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(724) Baltic States-Belarus-Northwestern Russia

HEL VIII 21 11 51 42.9–.20 67.58N 30.47E 0 1.7L
BER VIII 21 11 51 39.4–.71 67.28N 31.40E 0 1.7L **¶625332212**
KOGSR VIII 21 11 51 43.0–.60 67.55N–.03 30.52E–.07 0 1.7L
HEL Event type kh. Explosion.
BER Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 21 11 52 25.2 67.50N 30.53E 0 2.1L
¶626715613
KOGSR Event type kh. Error ellipse: s-maj=4.2km s-min=2.8km az=50.0. Murmansk region, Kovdor district.

(724) Baltic States-Belarus-Northwestern Russia

HEL VIII 21 12 05 04.6–.30 68.09N 33.72E 0 1.1L
¶625332213
HEL Event type kh. Error ellipse: s-maj=4.2km s-min=3.9km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR VIII 21 12 05 49.0–.30 67.66N–.02 33.76E–.05 0 1.7
¶626714493
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(584) South Africa

PRE VIII 21 12 32 04.3–.78 26.39S 29.42E 0 2.3L
BGSI VIII 21 12 32 06.6–1.4 26.35S 29.21E 0–14 2.7L **¶624893673**
PRE Event type sh. Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=6.3km s-min=14.2km az=-1.0. Presumed earthquake.

(584) South Africa

PRE VIII 21 14 15 05.3–1.2 26.07S 29.24E 0 2.0L
BGSI VIII 21 14 15 06.2–1.2 25.62S 30.14E 48–74 2.3L **¶624893674**
PRE Event type sh. Error ellipse: s-maj=2.4km s-min=2.1km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=5.6km s-min=18.5km az=-1.0. Presumed earthquake.

(326) Southwestern Siberia

IDC VIII 22 07 11 45.9–3.8 53.42N 89.08E 0 2.7,2.2L
ASGSR VIII 22 07 11 43.0–1.8 53.29N 89.26E 0 2.5,2.2L **¶621043065**
IDC Error ellipse: s-maj=28.5km s-min=18.9km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(460) Wyoming

ISC VIII 22 19 02 52.2–.95 43.57N–.05 105.22W–.05 0 19 1-10
NEIC VIII 22 19 02 52.4–3.7 43.70N–.10 105.3W–.20 0–1 3.1L **¶621043114**
IDC VIII 22 19 02 53.8–2.4 43.88N 105.46W 0 3.4,3.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=25.0km s-min=11.3km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=61.0km s-min=12.6km az=147.0.

(326) Southwestern Siberia

IDC VIII 23 07 35 07.8–3.6 54.10N 86.51E 0 3.2,3.0L
ASGSR VIII 23 07 35 07.0–1.7 54.12N 86.47E 0 2.5,3.0L **¶621049207**
IDC Error ellipse: s-maj=31.8km s-min=15.4km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(716) Kyrgyzstan

ISC VIII 23 07 44 44.1–.80 41.32N–.03 71.03E–.03 0 37 0-4
SOME VIII 23 07 44 41.8 41.13N 71.02E 10 **¶625260157**
KRNET VIII 23 07 44 42.6–.10 41.29N 70.95E 2.6b
ISU VIII 23 07 44 43 41.28N 71.02E 3 2.6b
NNC VIII 23 07 44 44.2–6.9 41.28N 71.08E 0 3.0b,2.9
ISC Event type kh.
KRNET Event type kh.
NNC Event type se. Error ellipse: s-maj=55.3km s-min=25.8km az=9.0.

(326) Southwestern Siberia

IDC VIII 23 07 44 34.8–4.5 53.86N 90.63E 0 2.9,2.4L
ASGSR VIII 23 07 44 52.0–1.8 53.73N 88.15E 0 2.5,2.4L **¶621049210**
IDC Error ellipse: s-maj=43.7km s-min=39.8km az=87.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 23 07 45 21.3–4.4 53.82N 88.04E 0 2.8,2.3L
ASGSR VIII 23 07 45 19.0–1.8 53.77N 88.20E 0 2.7,2.3L **¶621049213**
IDC Error ellipse: s-maj=39.6km s-min=23.2km az=52.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 23 08 09 32.9–3.6 54.11N 86.48E 0 3.1,2.9L
ASGSR VIII 23 08 09 31.0–1.5 54.14N 86.45E 0 2.6,2.9L **¶621049215**
IDC Error ellipse: s-maj=31.1km s-min=14.8km az=70.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 23 08 40 03.7–4.1 53.60N 87.86E 0 2.7,1.9L
ASGSR VIII 23 08 40 00.0–.50 53.65N 87.98E 0 2.8,1.9L **¶621049217**
IDC Error ellipse: s-maj=37.3km s-min=21.4km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 23 09 59 42.4–3.4 54.10N 87.11E 0 2.8,2.6L
ASGSR VIII 23 09 59 39.0 54.15N 87.14E 0 2.7,2.6L **¶621049222**

IDC Error ellipse: s-maj=28.4km s-min=20.1km az=80.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(373) Dead Sea region

GII VIII 23 11 08 06.5–.00 30.80N–.02 36.287E–.01 0 ¶626090668

GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

(721) Finland

ISC VIII 23 11 29 59.6–.75 67.94N–.02 25.88E–.02 0 39 1-30
HEL VIII 23 11 30 00.6–.10 67.95N 25.80E 0 1.4L **¶621049229**
KOGSR VIII 23 11 30 02.0–.20 67.98N–.06 25.7E–.10 0 1.8
IDC VIII 23 11 30 02.8–7.5 67.98N 25.82E 0 1.8
BER VIII 23 11 30 03.4–1.8 67.92N 25.58E 0 1.8
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=2.7km az=-1.0. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=49.2km s-min=32.3km az=170.0.
BER Event type sh. Error ellipse: s-maj=17.0km s-min=20.8km az=-1.0. Suspected explosion.

(536) Sweden

ISC VIII 23 12 31 56.5–.73 67.43N–.02 23.26E–.03 0 62 0-6
UPP VIII 23 12 31 56.7–.20 67.41N 23.35E 0 1.9L **¶621049235**
HEL VIII 23 12 31 57.2–.10 67.43N 23.35E 0 1.6L
IDC VIII 23 12 31 57.9–2.2 67.50N 23.47E 0 2.9,2.0L
BER VIII 23 12 31 59.9–1.2 67.54N 23.23E 0 2.9,2.0L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=35.0km s-min=13.0km az=97.0.
BER Event type sh. Error ellipse: s-maj=18.3km s-min=44.6km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC VIII 23 15 26 06.5–1.0 67.71N–.04 34.07E–.05 0 14 0-11
KOGSR VIII 23 15 26 08.0–.60 67.67N–.02 34.28E–.10 0 2.5 **¶625332271**
IDC VIII 23 15 26 09.5–3.9 67.71N 33.85E 0 3.1,2.2L
ISC Event type km.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=45.7km s-min=19.2km az=67.0.

(326) Southwestern Siberia

IDC VIII 24 05 00 21.7–4.5 54.34N 86.63E 0 2.8,2.6L
ASGSR VIII 24 05 00 19.0–1.1 54.37N 86.64E 0 2.4,2.6L **¶621049291**
IDC Error ellipse: s-maj=38.5km s-min=17.5km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 24 06 49 33.4–4.0 53.85N 88.10E 0 2.8,2.4L
ASGSR VIII 24 06 49 29.0–1.2 53.73N 88.17E 0 2.5,2.4L **¶621049297**
IDC Error ellipse: s-maj=37.2km s-min=24.0km az=55.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 24 06 55 12.7–3.5 54.27N 86.14E 0 3.2,2.8L
ASGSR VIII 24 06 55 09.0–1.1 54.26N 86.17E 0 2.6,2.8L **¶621049298**
IDC Error ellipse: s-maj=26.5km s-min=13.1km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 24 07 35 03.7–3.8 54.11N 86.50E 0 2.8,2.6L
ASGSR VIII 24 07 35 00.0–.60 54.13N 86.41E 0 2.4,2.6L **¶621049300**
IDC Error ellipse: s-maj=33.0km s-min=15.1km az=71.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 24 07 45 04.9–3.9 54.38N 86.75E 0 2.7,2.3L
ASGSR VIII 24 07 45 03.0–.70 54.33N 86.74E 0 2.5,2.3L **¶621049301**
IDC Error ellipse: s-maj=30.8km s-min=19.1km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 24 08 34 44.5–3.5 53.79N 86.46E 0 2.6,2.3L
ASGSR VIII 24 08 34 37.0 53.93N 86.60E 0 2.2,2.3L **¶621049305**
IDC Error ellipse: s-maj=30.3km s-min=17.2km az=78.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR VIII 24 08 45 22.0–.60 54.18N 87.22E 0 2.4
IDC VIII 24 08 45 22.3–4.6 54.30N 87.49E 0 3.1,2.4L **¶621049306**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=38.9km s-min=23.8km az=53.0.

(326) Southwestern Siberia

ASGSR VIII 24 09 09 52.0–1.1 54.27N 86.91E 0 2.8
IDC VIII 24 09 09 52.8–3.4 54.41N 87.11E 0 3.4,2.9L **¶621049307**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=26.9km s-min=20.1km az=72.0.

(326) Southwestern Siberia

IDC VIII 24 09 15 59.8–3.6 53.38N 87.12E 0 2.9,2.5L
ASGSR VIII 24 09 15 57.0–1.4 53.44N 87.19E 0 2.5,2.5L **¶621049309**
IDC Error ellipse: s-maj=35.6km s-min=17.8km az=83.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 24 09 30 36.8–3.5 53.76N 90.89E 0 2.9,1.9L
ASGSR VIII 24 09 30 31.0–1.2 53.76N 91.13E 0 2.8,1.9L **¶625332304**
IDC Error ellipse: s-maj=27.2km s-min=25.5km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 24 09 39 54.6–3.5 54.08N 86.47E 0 2.6,2.3L
ASGSR VIII 24 09 39 52.0–1.3 54.06N 86.62E 0 2.4,2.3L **¶621049312**
IDC Error ellipse: s-maj=26.9km s-min=14.2km az=77.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(715) Tajikistan

ISC VIII 24 10 50 19.0–2.6 41.08N–.06 68.7E–.10 10 13 1-3
ISU VIII 24 10 50 06 40.20N 69.95E 12 **¶622410073**
KRNET VIII 24 10 50 36.9–.10 40.58N 69.58E 3.0b
ISC Event type se.

(584) South Africa

ISC VIII 24 11 52 54.8–.83 23.73S–.03 27.40E–.03 0 36 0-5
PRE VIII 24 11 52 55.3–1.1 23.80S 27.42E 0 1.6L **¶624893683**
BGSI VIII 24 11 52 56.9–1.9 23.69S 27.57E 4–14 2.7L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=4.2km s-min=10.6km az=-1.0. Presumed earthquake.

(721) Finland

ISC VIII 24 11 59 59.7–.83 67.94N–.02 25.85E–.02 0 42 1-30
HEL VIII 24 12 00 00.8–.10 67.94N 25.88E 0 1.4L **¶626233206**
IDC VIII 24 12 00 01.6–8.1 67.94N 25.85E 0 1.4L
KOGSR VIII 24 12 00 03.0–.50 68.03N–.06 25.7E–.20 0 1.7
BER VIII 24 12 00 06.4–1.1 68.21N 25.40E 0 1.7
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=1.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=50.9km s-min=32.4km az=169.0.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
BER Event type sh. Error ellipse: s-maj=28.4km s-min=39.9km az=-1.0. Suspected explosion.

(536) Sweden

HEL VIII 24 12 04 24.5–.20 64.14N 19.60E 0 1.5L ¶626341777

HEL Event type kh. Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0. Explosion.

(723) Finland-Karelia border region

HEL VIII 24 12 05 10.7–.40 61.33N 28.80E 0 1.2L ¶626341778

HEL Event type kh. Error ellipse: s-maj=3.4km s-min=5.6km az=-1.0. Explosion.

(478) Utah

ISC VIII 24 21 42 56.2–.91 41.13N–.04 112.74W–.04 0 21 0-8
NEIC VIII 24 21 42 56.7–1.3 41.03N–.02 112.82W–.02 0–0 1.3L **¶621049351**
IDC VIII 24 21 42 58.7–1.5 41.53N 113.13W 0 2.4L,1.6
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=3.0km s-min=2.0km az=336.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.8km s-min=10.3km az=153.0.

(536) Sweden

HEL VIII 25 01 40 04.1–.30 67.86N 20.22E 0 0.7L ¶626341790

HEL Event type sh. Error ellipse: s-maj=1.2km s-min=7.9km az=-1.0. Suspected explosion.

(373) Dead Sea region

ISC VIII 25 05 53 41.2–.80 34.78N–.02 35.76E–.03 10 57 0-5
GII VIII 25 05 53 40.0–.00 34.840N–.01 35.930E–.00 0–0 3.3 **¶621261519**
GRAL VIII 25 05 53 40.9–.43 34.82N 35.92E 0–4 3.4
ISK VIII 25 05 53 41.4 34.79N 35.69E 5–0 2.9L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GRAL Event type se. Error ellipse: s-maj=3.2km s-min=2.6km az=-1.0. Presumed earthquake.
ISK Event type ke.

(326) Southwestern Siberia

IDC VIII 25 07 45 24.1–4.3 54.39N 85.97E 0 2.8,2.5L
ASGSR VIII 25 07 45 19.0–.60 54.41N 86.10E 0 2.3,2.5L **¶621058912**
IDC Error ellipse: s-maj=35.3km s-min=12.7km az=55.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ISC VIII 25 07 55 00.4–2.8 53.6N–.10 86.8E–.10 0 11 1-7
ASGSR VIII 25 07 55 08.0–1.1 54.28N 86.13E 0 2.8 **¶621058913**
NNC VIII 25 07 55 10.2–7.8 54.45N 86.14E 0 3.2b,2.6
IDC VIII 25 07 55 11.6–3.3 54.25N 86.07E 0 3.0,2.8L
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=82.4km s-min=42.0km az=161.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.7km s-min=11.3km az=66.0.

(326) Southwestern Siberia

IDC VIII 25 07 59 42.7–4.0 53.54N 87.47E 0 2.6,2.3L
ASGSR VIII 25 07 59 38.0–1.4 53.54N 87.71E 0 2.6,2.3L **¶621058914**
IDC Error ellipse: s-maj=36.9km s-min=20.7km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 25 08 10 28.5–4.4 53.73N 88.22E 0 2.6,2.2L
ASGSR VIII 25 08 10 27.0–1.1 53.71N 88.20E 0 2.4,2.2L **¶621058916**
IDC Error ellipse: s-maj=40.0km s-min=22.9km az=54.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 25 09 25 18.3–3.9 54.24N 86.11E 0 3.0,2.9L
ASGSR VIII 25 09 25 16.0–1.3 54.27N 86.16E 0 2.7,2.9L **¶621058921**
IDC Error ellipse: s-maj=32.5km s-min=12.9km az=64.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(721) Finland

HEL VIII 25 12 16 28.6–.00 61.78N 22.95E 0 1.3L ¶626341802

HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0. Explosion.

(535) Southern Norway

BER VIII 25 12 16 41.0–1.0 60.88N 10.86E 0 ¶626714505

BER Event type sh. Error ellipse: s-maj=3.5km s-min=6.4km az=-1.0. Suspected explosion.

(584) South Africa

ISC VIII 25 15 14 23.0–1.6 25.95S–.05 29.7E–.10 0 22 3-5
BGSI VIII 25 15 14 27.4–1.0 25.93S 29.97E 48–54 2.5L **¶624894054**
PRE VIII 25 15 14 27.9–.77 26.16S 29.38E 0 2.0L
ISC Event type sh.
BGSI Event type se. Error ellipse: s-maj=4.5km s-min=13.3km az=-1.0. Presumed earthquake.
PRE Event type sh. Error ellipse: s-maj=2.7km s-min=4.7km az=-1.0. Suspected explosion.

(460) Wyoming

ISC VIII 25 18 01 06.1–1.2 43.75N–.06 105.28W–.07 0 27 1-90
NEIC VIII 25 18 01 04.5–2.0 43.81N–.05 105.25W–.06 0–1 3.4L **¶621058951**
IDC VIII 25 18 01 08.5–1.8 44.04N 105.58W 0 3.8b,3.5
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.2km s-min=5.5km az=320.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.1km s-min=10.9km az=145.0.

(548) Poland

PRU VIII 26 02 27 44.6 51.52N 16.10E 0 ¶621010951

PRU Event type ki.

(332) Northern Xinjiang

ISC VIII 26 04 58 13.0–1.2 44.41N–.08 81.41E–.07 0 12 1-5
NNC VIII 26 04 58 12.8–.46 44.37N 81.53E 0 2.6,2.3b **¶625786582**
SOME VIII 26 04 58 12.3 44.37N 81.63E 15 2.6,2.3b
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=4.8km s-min=2.2km az=132.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC VIII 26 05 04 16.2–3.5 54.08N 86.55E 0 2.6,2.3L
ASGSR VIII 26 05 04 11.0–1.3 54.04N 86.61E 0 2.5,2.3L **¶621058976**
IDC Error ellipse: s-maj=27.1km s-min=15.2km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(536) Sweden

ISC VIII 26 06 07 43.8–.80 65.95N–.02 22.68E–.02 0 40 0-5
UPP VIII 26 06 07 44.2–.10 65.94N 22.69E 0 2.3L **¶621058982**
HEL VIII 26 06 07 45.0–.00 65.96N 22.71E 0 1.3L
IDC VIII 26 06 07 46.2–2.3 65.97N 22.75E 0 2.6,1.5L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=42.4km s-min=11.6km az=88.0.

(548) Poland

ISC VIII 26 06 24 17.6–.48 51.55N–.02 16.17E–.02 0 3.5b 243 1-84
VIE VIII 26 06 24 14.0–2.6 51.50N 15.99E 0 3.2s,3.1L **¶621007946**
IPEC VIII 26 06 24 18.4–.18 51.50N 16.20E 1 3.2L,3.1L
IDC VIII 26 06 24 18.8–.62 51.51N 16.02E 0 3.9s,3.5b
BGR VIII 26 06 24 19.5–.37 51.45N 16.14E 1 3.4L,3.5b
PRU VIII 26 06 24 19.0 51.49N 16.14E 0 3.4L,3.5b
GFZ VIII 26 06 24 19.4–.34 52N–3.0 16E–2.0 10 3.6,3.5b
DNK VIII 26 06 24 20.9–2.3 51.84N 16.38E 0 3.0L,3.5b
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=14.3km s-min=11.7km az=4.0. 84 km NW of Wroclaw . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=65.0.
IDC Error ellipse: s-maj=13.0km s-min=7.3km az=106.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=23.0.
PRU Event type ki.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DNK Event type sh. Error ellipse: s-maj=13.6km s-min=30.6km az=-1.0. Suspected explosion.

(326) Southwestern Siberia

IDC VIII 26 06 50 23.5–3.3 53.87N 87.94E 0 2.9,2.6L
ASGSR VIII 26 06 50 18.0–1.6 53.79N 88.22E 0 2.8,2.6L **¶621058984**
IDC Error ellipse: s-maj=25.9km s-min=19.1km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC VIII 26 07 00 17.5–3.7 54.14N 86.26E 0 3.1,2.8L
ASGSR VIII 26 07 00 12.0–.80 54.19N 86.39E 0 2.5,2.8L **¶621058985**
IDC Error ellipse: s-maj=31.4km s-min=12.1km az=72.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(721) Finland

ISC VIII 26 07 32 37.3–.75 63.90N–.02 28.12E–.03 0 59 1-8
HEL VIII 26 07 32 37.7–.10 63.97N 28.12E 0 1.9L **¶621058986**
IDC VIII 26 07 32 39.5–2.4 63.94N 28.23E 0 3.1,1.7L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.7km s-min=1.9km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=42.6km s-min=14.7km az=98.0.

(715) Tajikistan

ISC VIII 26 09 56 05.5–1.9 40.68N–.05 69.31E–.10 0 33 1-5

KRNET VIII 26 09 56 02.4–.10 40.79N 69.20E 3.0b ¶622410118
SOME VIII 26 09 56 07.9 40.73N 69.68E 5 3.0b
NNC VIII 26 09 56 08.6–2.4 40.73N 69.60E 0 3.6,3.5b
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.0km s-min=14.1km az=73.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC VIII 26 12 36 04.9–.80 68.01N–.03 33.08E–.03 0 43 0-7
IDC VIII 26 12 36 04.6–4.0 68.07N 33.70E 0 2.7,1.3L ¶621058994
BER VIII 26 12 36 05.6–.88 67.86N 33.25E 0 2.7,1.3L
HEL VIII 26 12 36 05.7–.20 68.11N 33.04E 0 1.3L,1.3L
KOGSR VIII 26 12 36 06.0–.30 68.08N–.01 33.07E–.06 0 2.1,1.3L
ISC Event type km.
BER Event type sh. Suspected explosion.
HEL Event type kh. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(716) Kyrgyzstan
ISC VIII 26 13 54 14.7–.74 43.06N–.04 71.70E–.02 0 77 0-14
IDC VIII 26 13 54 09.2–5.9 42.78N 71.24E 0 3.5,3.1L ¶621008162
SOME VIII 26 13 54 14.8 42.93N 71.63E 3.5,3.1L
KRNET VIII 26 13 54 14.6–.10 43.05N 71.74E 3.3b,3.1L
NNC VIII 26 13 54 15.6–.19 43.13N 71.57E 0 4.0b,3.6
KNET VIII 26 13 54 16.1–.47 43.14N 71.82E 10–4 2.8L,3.6
ISC Event type kx.
IDC Error ellipse: s-maj=89.9km s-min=45.6km az=161.0.
SOME Event type kx.
KRNET Event type kh.
NNC Event type sx. Error ellipse: s-maj=4.5km s-min=1.0km az=179.0. Suspected Explosion.
KNET Error ellipse: s-maj=6.1km s-min=4.2km az=9.0.
(713) Central Kazakhstan
ISC VIII 26 14 00 05.0–1.1 43.07N–.06 71.72E–.04 0 15 1-2
KRNET VIII 26 14 00 06.0–.10 43.02N 71.71E 2.6b ¶625260180
ISC Event type kh.
KRNET Event type kh.
(713) Central Kazakhstan
ISC VIII 26 14 23 55.0–.74 43.04N–.04 71.69E–.02 0 75 0-14
IDC VIII 26 14 23 47.6–6.0 42.68N 71.19E 0 3.5,3.1L ¶621058999
SOME VIII 26 14 23 53.3 43.10N 71.73E 3.5,3.1L
KRNET VIII 26 14 23 54.7–.10 43.02N 71.70E 3.4b,3.1L
NNC VIII 26 14 23 54.7–.71 43.04N 71.64E 0 4.0b,3.6
KNET VIII 26 14 23 56.2–.52 43.13N 71.82E 11–4 2.7L,3.6
ISC Event type kx.
IDC Error ellipse: s-maj=95.7km s-min=46.2km az=160.0.
SOME Event type kx.
KRNET Event type kh.
NNC Event type sx. Error ellipse: s-maj=8.5km s-min=3.8km az=1.0. Suspected Explosion.
KNET Error ellipse: s-maj=6.3km s-min=3.7km az=5.0.
(713) Central Kazakhstan
ISC VIII 26 15 11 26.8–.81 43.06N–.04 71.71E–.02 0 47 0-5
KRNET VIII 26 15 11 26.8–.10 43.06N 71.73E 3.1b ¶621148159
SOME VIII 26 15 11 27.9 43.07N 71.57E 3.1b
NNC VIII 26 15 11 28.4–.21 43.05N 71.56E 0 3.9b,3.7
KNET VIII 26 15 11 28.2–.29 43.16N 71.79E 12–2 2.5L,3.7
ISC Event type kx.
KRNET Event type kh.
SOME Event type kx.
NNC Event type sx. Error ellipse: s-maj=3.8km s-min=1.1km az=2.0. Suspected Explosion.
KNET Error ellipse: s-maj=3.0km s-min=2.1km az=177.0.
(713) Central Kazakhstan
ISC VIII 26 15 26 02.6–.69 43.03N–.04 71.67E–.02 0 84 0-14
IDC VIII 26 15 25 56.8–3.8 42.76N 71.30E 0 3.5,2.9L ¶621008166
SOME VIII 26 15 26 01.2 43.12N 71.70E 3.5,2.9L
KRNET VIII 26 15 26 02.5–.10 43.02N 71.71E 3.4b,2.9L
NNC VIII 26 15 26 02.8–.37 43.09N 71.62E 0 3.9b,3.6
KNET VIII 26 15 26 04.2–.51 43.15N 71.79E 18–5 2.8L,3.6
ISC Event type kx.
IDC Error ellipse: s-maj=34.7km s-min=26.7km az=15.0.
SOME Event type kx.
KRNET Event type kh.
NNC Event type sx. Error ellipse: s-maj=6.7km s-min=2.0km az=179.0. Suspected Explosion.
KNET Error ellipse: s-maj=6.8km s-min=5.7km az=57.0.
(713) Central Kazakhstan
ISC VIII 26 15 41 14.9–.79 43.04N–.04 71.66E–.03 0 61 0-8
SOME VIII 26 15 41 13.0 43.12N 71.63E ¶621148160
KRNET VIII 26 15 41 13.8–.10 43.03N 71.73E 3.2b
KNET VIII 26 15 41 14.8–.25 43.13N 71.76E 13–2 2.5L
NNC VIII 26 15 41 14.7–.51 43.05N 71.60E 0 3.8b,3.6
ISC Event type kx.
SOME Event type kx.
KRNET Event type kh.
KNET Error ellipse: s-maj=2.4km s-min=1.4km az=144.0.
NNC Event type sx. Error ellipse: s-maj=8.4km s-min=2.8km az=1.0. Suspected Explosion.
(713) Central Kazakhstan
ISC VIII 26 15 55 10.6–1.2 43.16N–.06 71.70E–.04 0 18 1-3
KRNET VIII 26 15 55 12.1–.10 43.03N 71.72E 2.7b ¶625260183
ISC Event type kh.
KRNET Event type kh.
(713) Central Kazakhstan
ISC VIII 26 15 57 00.6–.83 43.03N–.05 71.67E–.03 0 51 0-40
IDC VIII 26 15 56 47.0–22 42.52N 70.56E 0 3.1,2.8L ¶621059005
SOME VIII 26 15 56 58.6 43.13N 71.62E 3.1,2.8L
KRNET VIII 26 15 56 59.4–.10 43.02N 71.69E 3.1b,2.8L
NNC VIII 26 15 57 00.6–.69 43.05N 71.59E 0 3.7b,3.5
KNET VIII 26 15 57 01.2–.44 43.06N 71.74E 16–4 2.4L,3.5
ISC Event type kx.
IDC Error ellipse: s-maj=248.6km s-min=82.8km az=43.0.
SOME Event type kx.
KRNET Event type kh.
NNC Event type sx. Error ellipse: s-maj=7.5km s-min=3.7km az=4.0. Suspected Explosion.
KNET Error ellipse: s-maj=6.0km s-min=5.4km az=30.0.
(713) Central Kazakhstan
ISC VIII 26 15 59 30.3–.82 43.04N–.04 71.72E–.02 0 65 1-6
SOME VIII 26 15 59 29.0 43.22N 71.68E ¶621148161
NNC VIII 26 15 59 30.6–.61 43.24N 71.60E 0 3.7b,3.5
KRNET VIII 26 15 59 30.1–.10 43.04N 71.70E 3.3b,3.5
KNET VIII 26 15 59 32.0–.51 43.12N 71.78E 15–5 2.6L,3.5
ISC Event type kx.
SOME Event type kx.
NNC Event type sx. Error ellipse: s-maj=13.5km s-min=2.4km az=178.0. Suspected Explosion.
KRNET Event type kh.
KNET Error ellipse: s-maj=6.1km s-min=4.9km az=159.0.
(713) Central Kazakhstan
ISC VIII 26 16 03 19.1–.83 43.04N–.04 71.69E–.02 0 63 0-5
KRNET VIII 26 16 03 18.0–.10 43.03N 71.71E 3.3b ¶621148162
SOME VIII 26 16 03 17.3 42.97N 71.77E 3.3b
KNET VIII 26 16 03 18.4–.33 43.12N 71.76E 8–2 2.6L
NNC VIII 26 16 03 18.6–.68 43.12N 71.62E 0 3.7b,3.6
ISC Event type kx.
KRNET Event type kh.
SOME Event type kx.
KNET Error ellipse: s-maj=4.1km s-min=2.9km az=15.0.
NNC Event type sx. Error ellipse: s-maj=11.7km s-min=3.5km az=2.0. Suspected Explosion.
(713) Central Kazakhstan
ISC VIII 26 16 07 11.0–.80 43.06N–.04 71.68E–.02 0 58 1-6
SOME VIII 26 16 07 08.8 43.12N 71.67E ¶621148163
KNET VIII 26 16 07 10.7–.34 43.16N 71.77E 9–3 2.6L
KRNET VIII 26 16 07 10.0–.10 43.03N 71.71E 3.3b
NNC VIII 26 16 07 11.0–.63 43.08N 71.60E 0 4.0b,3.6
ISC Event type kx.
SOME Event type kx.
KNET Error ellipse: s-maj=4.5km s-min=3.0km az=177.0.
KRNET Event type kh.
NNC Event type sx. Error ellipse: s-maj=10.4km s-min=3.4km az=2.0. Suspected Explosion.
(713) Central Kazakhstan
ISC VIII 26 16 13 34.0–.78 43.05N–.04 71.68E–.02 0 62 0-6
SOME VIII 26 16 13 30.8 43.18N 71.70E ¶621148164
KRNET VIII 26 16 13 33.4–.10 43.02N 71.72E 3.3b
NNC VIII 26 16 13 33.9–.75 43.08N 71.60E 0 4.1b,3.7
KNET VIII 26 16 13 34.4–.41 43.12N 71.79E 11–3 2.6L,3.7
ISC Event type kx.
SOME Event type kx.
KRNET Event type kh.
NNC Event type sx. Error ellipse: s-maj=8.6km s-min=4.1km az=1.0. Suspected Explosion.
KNET Error ellipse: s-maj=6.4km s-min=4.3km az=4.0.
(713) Central Kazakhstan
ISC VIII 26 16 39 27.1–.94 43.16N–.06 71.78E–.02 0 33 1-3
SOME VIII 26 16 39 26.2 43.28N 71.72E ¶625260184
NNC VIII 26 16 39 27.4–.69 43.35N 71.60E 0 3.8b,3.3
KRNET VIII 26 16 39 27.7–.10 43.03N 71.75E 3.0b,3.3
ISC Event type kx.
SOME Event type kx.
NNC Event type sx. Error ellipse: s-maj=12.5km s-min=2.2km az=175.0. Suspected Explosion.
KRNET Event type kh.
(713) Central Kazakhstan
ISC VIII 26 16 40 39.9–.74 43.05N–.04 71.70E–.02 0 59 1-40
IDC VIII 26 16 40 32.5–4.4 42.68N 71.10E 0 3.7,3.1L ¶621059006
SOME VIII 26 16 40 38.8 43.25N 71.67E 3.7,3.1L
KRNET VIII 26 16 40 38.8–.10 43.02N 71.72E 15 3.2b,3.1L
KNET VIII 26 16 40 40.4–.79 42.99N 71.69E 16–7 2.5L,3.1L
NNC VIII 26 16 40 40.8–1.3 43.11N 71.61E 0 4.0b,3.6
ISC Event type kx.
IDC Error ellipse: s-maj=51.9km s-min=36.7km az=138.0.
SOME Event type kx.
KNET Error ellipse: s-maj=11.0km s-min=8.5km az=63.0.
NNC Event type sx. Error ellipse: s-maj=25.1km s-min=7.2km az=0.0. Suspected Explosion.
(536) Sweden
ISC VIII 26 17 00 44.1–.76 67.08N–.02 20.98E–.02 0 62 0-6
HEL VIII 26 17 00 43.7–.40 67.07N 20.80E 0 1.9L ¶621059007
UPP VIII 26 17 00 43.8–.10 67.07N 20.94E 0 2.1L
IDC VIII 26 17 00 46.3–2.6 67.13N 20.93E 0 2.7,1.9L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.5km s-min=7.2km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=35.4km s-min=12.9km az=91.0.
(460) Wyoming
ISC VIII 26 17 46 53.7–.92 43.68N–.04 105.33W–.04 0 39 1-9
NEIC VIII 26 17 46 52.0–2.3 43.69N–.05 105.40W–.07 0–1 2.9L ¶621059009
IDC VIII 26 17 46 55.3–2.5 43.76N 105.49W 0 3.3L,3.2
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.2km s-min=8.2km az=300.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.0km s-min=13.7km az=147.0.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VIII 26 20 07 35.0–.30 67.61N–.03 33.92E–.06 0 1.7 ¶625332396
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VIII 26 20 08 06.2 67.65N 33.77E 0 1.4L ¶626715614
KOGSR Event type kh. Error ellipse: s-maj=1.6km s-min=1.0km az=140.0. Khibiny, mines Kirovsk, Yukspor.
(326) Southwestern Siberia
IDC VIII 27 07 35 12.9–3.5 53.70N 87.88E 0 3.0,2.8L
ASGSR VIII 27 07 35 09.0–1.4 53.65N 87.98E 0 3.1,2.8L ¶621072128
IDC Error ellipse: s-maj=31.9km s-min=19.2km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(536) Sweden
ISC VIII 27 08 59 36.0–.74 67.47N–.02 23.60E–.02 0 58 0-6
UPP VIII 27 08 59 37.6–.20 67.42N 23.34E 0 2.0L ¶621072133
HEL VIII 27 08 59 37.5–.10 67.43N 23.51E 0 1.5L
IDC VIII 27 08 59 39.4–2.1 67.47N 23.57E 0 2.8,1.9L
BER VIII 27 08 59 40.7–1.2 67.53N 23.23E 0 2.8,1.9L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.8km az=-1.0. Explosion.
IDC Error ellipse: s-maj=37.3km s-min=13.5km az=96.0.
BER Event type sh. Error ellipse: s-maj=11.9km s-min=23.0km az=-1.0. Suspected explosion.
(721) Finland
HEL VIII 27 09 00 07.5–.00 67.71N 27.02E 0 1.5L
BER VIII 27 09 00 08.2–2.2 67.62N 27.03E 0 1.5L ¶626233259
KOGSR VIII 27 09 00 08.0–.70 67.75N–.08 26.9E–.20 0 2.2
HEL Event type kh. Explosion.
BER Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ISC VIII 27 09 04 53.5–4.3 53.8N–.20 90.8E–.20 0 11 4-12
ASGSR VIII 27 09 04 48.0–1.7 53.77N 91.07E 0 2.9 ¶621072134
IDC VIII 27 09 04 55.1–3.4 53.56N 90.83E 0 3.1,2.6L
NNC VIII 27 09 05 05.3–2.9 53.63N 90.03E 11–12 3.4b,3.1
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=26.9km s-min=24.6km az=61.0.
NNC Event type sm. Error ellipse: s-maj=18.6km s-min=13.7km az=54.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC VIII 27 09 25 10.4–3.9 54.21N 87.51E 0 2.6,2.4L
ASGSR VIII 27 09 25 10.0–1.2 54.13N 87.13E 0 2.7,2.4L ¶621072137
IDC Error ellipse: s-maj=29.3km s-min=23.1km az=55.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VIII 27 09 35 18.4–3.2 53.65N 86.68E 0 2.7,2.6L
ASGSR VIII 27 09 35 14.0–1.6 53.71N 86.88E 0 2.4,2.6L ¶621072138
IDC Error ellipse: s-maj=30.1km s-min=16.5km az=82.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(723) Finland-Karelia border region
ISC VIII 27 10 22 24.3–1.2 64.90N–.06 30.63E–.08 0 21 2-10
IDC VIII 27 10 22 26.0–2.9 64.78N 30.78E 0 3.1,2.3L ¶621072143
KOGSR VIII 27 10 22 27.0 64.93N 30.60E 0 2.2L,2.3L
ISC Event type kh.
IDC Error ellipse: s-maj=39.2km s-min=11.5km az=98.0.
KOGSR Event type kh. Error ellipse: s-maj=14.7km s-min=11.2km az=170.0. Karelia.
(358) Romania
KRSZO VIII 27 11 09 54.7–1.7 46.33N 23.18E 0 ¶625423044
KRSZO Event type sx. Error ellipse: s-maj=10.2km s-min=8.3km az=125.0. Suspected Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VIII 27 13 13 14.0–.70 60.62N 29.09E 0 1.3L ¶626341847
HEL Event type sh. Error ellipse: s-maj=3.0km s-min=8.4km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC VIII 28 11 51 13.1–.77 67.54N–.03 30.50E–.02 0 57 0-6
BER VIII 28 11 51 13.1–.35 67.39N 30.91E 0 ¶621073105
KOGSR VIII 28 11 51 14.7 67.55N 30.52E 0 2.1L
HEL VIII 28 11 51 14.0–.10 67.56N 30.45E 0 1.5L
IDC VIII 28 11 51 16.2–2.8 67.61N 29.92E 0 2.8,1.8L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=51.8km s-min=155.3km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=4.3km s-min=2.1km az=30.0. Kovdor City, Mines.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=38.3km s-min=12.4km az=83.0.
(536) Sweden

ISC VIII 29 16 38 32.4–.74 67.18N–.02 20.72E–.02 0 57 0-11
UPP VIII 29 16 38 32.4–.00 67.19N 20.68E 0 1.9L ¶621073192
HEL VIII 29 16 38 32.2–.30 67.17N 20.56E 0 1.4L
IDC VIII 29 16 38 36.0–1.2 67.15N 21.40E 0 3.1,1.7L
ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=5.4km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=20.5km s-min=10.5km az=100.0.
(326) Southwestern Siberia
IDC VIII 30 06 29 38.8–3.6 54.36N 86.88E 0 2.6,1.9L
ASGSR VIII 30 06 29 38.0–.80 54.27N 86.84E 0 2.5,1.9L ¶621076492
IDC Error ellipse: s-maj=29.7km s-min=19.8km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VIII 30 07 17 27.0–3.8 53.49N 90.64E 0 2.9,2.2L
ASGSR VIII 30 07 17 19.0–2.7 53.74N 91.14E 0 2.6,2.2L ¶621076494
IDC Error ellipse: s-maj=36.0km s-min=26.8km az=36.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC VIII 30 08 26 26.8–4.5 54.03N 91.15E 0 3.4,2.8L
ASGSR VIII 30 08 26 27.0–1.7 53.76N 91.07E 0 2.9,2.8L ¶621076500
IDC Error ellipse: s-maj=41.1km s-min=26.5km az=23.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VIII 30 09 48 25.0 54.13N 87.14E 0 2.5
IDC VIII 30 09 48 24.6–3.6 54.25N 87.29E 0 2.7,2.5L ¶621076507
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=29.2km s-min=21.5km az=70.0.
(723) Finland-Karelia border region
ISC VIII 30 10 03 04.2–1.2 64.64N–.05 30.58E–.09 0 19 2-10
IDC VIII 30 10 03 04.8–2.8 64.62N 31.16E 0 2.9,2.3L ¶621076508
KOGSR VIII 30 10 03 10.0–.90 64.9N–.20 30.8E–.30 0 2.3,2.3L
ISC Event type km.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(548) Poland
ISC VIII 31 00 31 53.0–.88 50.18N–.04 19.03E–.03 0 60 1-6
IPEC VIII 31 00 31 52.5–.21 50.20N 19.03E 1 2.2L ¶621013592
BRA VIII 31 00 31 53.4–.67 50.24N 19.04E 13–3 2.0L
PRU VIII 31 00 31 55.2 50.21N 18.92E 0 2.0L
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=0.9km az=11.0.
BRA Event type kr. Error ellipse: s-maj=4.7km s-min=1.9km az=0.0. Mining induced.
PRU Event type ki.
(326) Southwestern Siberia
ASGSR VIII 31 06 20 16.0–.70 54.21N 87.14E 0 2.6
IDC VIII 31 06 20 17.5–4.2 54.22N 87.24E 0 3.1,2.8L ¶621076582
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.7km s-min=21.9km az=67.0.
(326) Southwestern Siberia
IDC VIII 31 06 45 23.5–3.9 53.85N 88.18E 0 2.9,2.7L
ASGSR VIII 31 06 45 21.0–1.5 53.77N 88.27E 0 2.6,2.7L ¶621076585
IDC Error ellipse: s-maj=36.7km s-min=23.3km az=55.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR VIII 31 07 08 33.0–1.8 54.21N 87.05E 0 2.4
¶626710758
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ISC VIII 31 07 09 06.1–.50 54.68N–.02 83.67E–.02 0 3.9b,3.5s 146 0-89
IDC VIII 31 07 09 05.9–1.0 54.74N 83.79E 0 4.0,3.9b ¶621011423
MOS VIII 31 07 09 06.2–1.2 54.69N 83.54E 13 4.4b,3.9b
NNC VIII 31 07 09 07.0–1.0 54.65N 83.71E 4–7 4.4b,4.0
ISC Event type sm.
IDC Error ellipse: s-maj=12.2km s-min=9.7km az=153.0.
MOS Error ellipse: s-maj=7.9km s-min=5.6km az=106.1.
NNC Event type sm. Error ellipse: s-maj=10.2km s-min=4.9km az=28.0. Suspected Mining explosion.
(715) Tajikistan
ISC VIII 31 08 01 55.3–2.5 40.66N–.07 69.5E–.20 12–12 17 1-3
KRNET VIII 31 08 01 54.1–.10 40.69N 69.35E 2.5b ¶622410227
ISC Event type se.
(329) Eastern Kazakhstan
ISC VIII 31 08 18 34.3–1.1 49.52N–.05 81.38E–.07 0 10 2-5
NNC VIII 31 08 18 35.1–1.8 49.63N 81.75E 0 3.3b,3.0 ¶621076593
IDC VIII 31 08 18 35.2–1.3 49.72N 81.53E 0 2.7,1.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=25.4km s-min=4.5km az=54.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.2km s-min=10.8km az=85.0.
(326) Southwestern Siberia
IDC VIII 31 09 43 05.4–4.0 53.65N 87.87E 0 2.9,2.7L
ASGSR VIII 31 09 43 01.0–1.3 53.60N 87.96E 0 2.9,2.7L ¶621076604
IDC Error ellipse: s-maj=35.5km s-min=21.0km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(584) South Africa
ISC VIII 31 12 27 10.9–.95 28.22S–.04 23.11E–.03 0 33 2-6
PRE VIII 31 12 27 11.4–1.1 28.32S 23.13E 0 2.5L ¶621401518
BGSI VIII 31 12 27 12.4–1.3 28.30S 23.11E 0–13 2.7L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=6.3km s-min=10.0km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=8.0km s-min=8.3km az=-1.0. Presumed earthquake.
(536) Sweden
ISC VIII 31 13 54 44.0–.71 64.72N–.02 20.98E–.02 0 76 0-5
UPP VIII 31 13 54 44.1–.30 64.71N 20.94E 0–1 2.7L ¶621742321
DNK VIII 31 13 54 44.7–.80 64.72N 20.93E 0 2.7L
HEL VIII 31 13 54 44.9–.20 64.71N 20.96E 0 1.2L
BER VIII 31 13 54 51.2–2.3 64.80N 21.20E 0 1.2L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=4.6km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=27.8km s-min=36.8km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC VIII 31 16 02 54.3–1.0 67.68N–.04 34.17E–.04 0 39 0-4
BER VIII 31 16 02 52.4–1.2 67.48N 34.60E 0 ¶625332536
HEL VIII 31 16 02 53.4–.20 67.61N 34.18E 0 1.9L
KOGSR VIII 31 16 02 54.0–.40 67.69N–.01 34.10E–.04 0 2.5
ISC Event type km.
BER Event type sh. Suspected explosion.
HEL Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
HEL VIII 31 20 11 31.3–.20 67.79N 33.37E 0 1.0L
¶626714511
HEL Event type kh. Error ellipse: s-maj=4.3km s-min=3.5km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR VIII 31 20 12 14.9 67.66N 33.73E 0 1.2L
¶625345683
KOGSR Event type kh. Error ellipse: s-maj=2.4km s-min=1.1km az=140.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 01 04 07 06.9 67.68N 33.68E 0 1.6L
¶635723026
KOGSR Event type kh. Error ellipse: s-maj=3.4km s-min=1.7km az=120.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 01 04 08 02.0–.50 67.67N–.02 33.70E–.07 0 1.6
¶625332568
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(383) Northwestern Balkan Peninsula
LJU IX 01 07 05 00.4 46.39N 15.17E 0 0.2L
¶624734842
LJU Event type sh. Suspected explosion.
(548) Poland
ISC IX 01 07 30 10.1–.91 50.17N–.04 18.78E–.03 0 52 1-4
VIE IX 01 07 30 09.3–.42 50.32N 18.71E 0 2.7L,2.4b ¶621036973
IPEC IX 01 07 30 10.4–.20 50.18N 18.76E 1 2.5L,2.4b
BRA IX 01 07 30 12.4–.69 50.16N 18.69E 14–2 2.1L,2.4b
PRU IX 01 07 30 12.3 50.20N 18.69E 0 2.1L,2.4b
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=1.8km az=62.0. 21 km WNW of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.0km az=7.0.
BRA Event type kr. Error ellipse: s-maj=4.7km s-min=2.3km az=0.0. Mining induced.
PRU Event type ki.
(329) Eastern Kazakhstan
IDC IX 01 07 48 24.4–1.7 50.14N 76.10E 0 2.7,2.1L
¶621080603
IDC Error ellipse: s-maj=22.1km s-min=11.3km az=30.0.
(326) Southwestern Siberia
ASGSR IX 01 08 15 43.0–1.3 54.44N 86.81E 0 2.5
IDC IX 01 08 15 39.6–4.6 54.45N 87.23E 0 2.8,2.4L ¶621080606
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.5km s-min=22.6km az=59.0.
(326) Southwestern Siberia
ASGSR IX 01 08 40 08.0–1.4 54.11N 86.43E 0 2.5
IDC IX 01 08 40 00.4–4.2 54.17N 87.33E 0 2.7,2.4L ¶621080607
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=38.4km s-min=21.4km az=67.0.
(326) Southwestern Siberia
IDC IX 01 08 58 32.5–4.1 54.11N 87.19E 0 2.5,2.4L
ASGSR IX 01 08 58 31.0–1.5 54.16N 87.07E 0 2.6,2.4L ¶621080609
IDC Error ellipse: s-maj=39.5km s-min=22.1km az=70.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(366) Turkey
ISK IX 01 09 42 19.8 37.09N 28.00E 0–1 1.5L
¶635706652
ISK Event type sm. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL IX 01 09 59 59.7–.20 60.94N 29.10E 0 1.4L
¶626448684
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0. Suspected explosion.
(721) Finland
HEL IX 01 10 00 44.0–.30 65.07N 25.75E 0 0.8L
¶626448685
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=5.8km az=-1.0. Suspected explosion.
(713) Central Kazakhstan
NNC IX 01 12 07 31.4–1.6 43.70N 69.78E 0 3.6b,3.1
SOME IX 01 12 07 29.9 43.68N 69.65E 3.6b,3.1 ¶624939837
NNC Event type sm. Error ellipse: s-maj=8.9km s-min=6.0km az=148.0. Suspected Mining explosion.
SOME Event type kx.
(536) Sweden
DNK IX 01 20 00 11.5–1.7 58.81N 15.09E 0 1.4L
BER IX 01 20 00 14.2–2.7 58.82N 15.07E 0 1.4L ¶626255538
DNK Event type kh. Error ellipse: s-maj=5.0km s-min=9.0km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=21.5km s-min=140.8km az=-1.0. Suspected explosion.
(478) Utah
ISC IX 01 20 41 41.7–1.0 41.07N–.04 112.82W–.04 0 18 0-8
NEIC IX 01 20 41 40.6–1.5 41.10N–.02 112.93W–.03 0–1 2.0L,1.6L ¶621080642
UUSS IX 01 20 41 41.4–.93 41.15N–.03 112.90W–.05 1–2 2.0L,1.6L
IDC IX 01 20 41 43.2–2.1 41.21N 112.77W 0 3.5L,1.6
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=4.3km s-min=3.0km az=229.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type sm. Error ellipse: s-maj=5.7km s-min=2.8km az=126.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.6km s-min=16.2km az=147.0.
(548) Poland
ISC IX 02 03 54 22.9–.79 51.58N–.04 16.11E–.03 0 82 1-19
IPEC IX 02 03 54 24.6–.19 51.49N 16.15E 0 2.2L ¶621022459
IDC IX 02 03 54 24.2–.98 51.52N 15.95E 0 3.2,2.7L
PRU IX 02 03 54 25.5 51.49N 16.12E 0 3.2,2.7L
VIE IX 02 03 54 25.9–.59 51.41N 16.10E 0 3.1s,2.7L
BRA IX 02 03 54 26.8–1.3 51.51N 16.18E 0 2.0L,2.7L
DNK IX 02 03 55 12.3–1.5 54.85N 14.15E 0 0.7L,2.7L
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.2km az=66.0.
IDC Error ellipse: s-maj=16.5km s-min=9.6km az=102.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=7.3km s-min=3.2km az=59.0. 73 km WNW of Wroclaw . Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=7.8km s-min=6.2km az=90.0. Mining induced.
DNK Event type sh. Error ellipse: s-maj=25.7km s-min=8.2km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
ASGSR IX 02 06 24 44.0–.50 53.81N 88.26E 0 2.6
IDC IX 02 06 24 48.3–4.6 53.80N 88.17E 0 2.7L,2.7 ¶621080662
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.1km s-min=22.6km az=53.0.
(326) Southwestern Siberia
IDC IX 02 06 50 37.6–3.4 54.16N 86.39E 0 2.8,2.6L
ASGSR IX 02 06 50 35.0–.90 54.17N 86.41E 0 2.6,2.6L ¶621080664
IDC Error ellipse: s-maj=25.8km s-min=12.3km az=74.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(329) Eastern Kazakhstan
ISC IX 02 07 15 13.7–1.4 49.77N–.06 81.97E–.07 0 8 2-5
ASGSR IX 02 07 15 14.0–.90 49.67N 81.67E 0 2.3 ¶621080665
NNC IX 02 07 15 19.2–2.8 49.78N 81.77E 0 2.6b,2.2
IDC IX 02 07 15 19.2–1.5 49.59N 81.31E 0 2.8,2.5L
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=28.0km s-min=15.6km az=59.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.7km s-min=11.8km az=63.0.
(326) Southwestern Siberia
IDC IX 02 07 15 28.2–3.5 53.50N 87.60E 0 2.9L,2.8
ASGSR IX 02 07 15 23.0–1.3 53.54N 87.74E 0 2.6,2.8 ¶621080666
IDC Error ellipse: s-maj=27.4km s-min=17.9km az=72.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 02 09 00 10.6–3.6 53.67N 87.77E 0 2.8,2.5L
ASGSR IX 02 09 00 07.0–1.1 53.62N 87.81E 0 2.8,2.5L ¶621080667
IDC Error ellipse: s-maj=27.4km s-min=17.5km az=72.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 02 09 20 13.3–3.0 54.15N 87.27E 0 3.2,2.6L
ASGSR IX 02 09 20 11.0–1.1 54.15N 87.19E 0 2.8,2.6L ¶621080669
IDC Error ellipse: s-maj=26.0km s-min=17.8km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 02 09 30 04.1–3.5 53.51N 87.64E 0 2.8,2.5L
ASGSR IX 02 09 29 58.0–1.3 53.59N 87.89E 0 2.8,2.5L ¶621080672
IDC Error ellipse: s-maj=26.0km s-min=19.9km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 02 09 55 16.9–3.9 53.58N 87.68E 0 2.7,2.6L
ASGSR IX 02 09 55 12.0 53.56N 87.72E 0 2.5,2.6L ¶621080676
IDC Error ellipse: s-maj=35.1km s-min=20.2km az=64.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ISC IX 02 09 57 10.8–1.4 51.46N–.10 82.98E–.08 0 7 3-5
ASGSR IX 02 09 57 15.0–2.1 51.47N 82.66E 0 2.4 ¶621080677

NNC IX 02 09 57 16.5–9.2 51.56N 82.66E 0 2.6b,2.3
IDC IX 02 09 57 18.3–1.4 51.65N 82.89E 0 2.5,2.0L
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=89.1km s-min=42.7km az=13.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.1km s-min=11.1km az=113.0.

(536) Sweden

ISC IX 02 10 20 04.1–.71 64.76N–.02 21.13E–.02 0 81 0-5
BER IX 02 10 20 03.3–.86 64.48N 21.28E 0 **¶621080679**
UPP IX 02 10 20 04.2–.10 64.75N 21.09E 0 2.8L
DNK IX 02 10 20 04.6–.56 64.75N 21.11E 0 2.8L
HEL IX 02 10 20 04.9–.20 64.74N 21.10E 0 1.5L
IDC IX 02 10 20 07.0–2.8 64.78N 21.41E 0 2.7,1.6L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=11.4km s-min=15.8km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=3.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=41.2km s-min=11.4km az=82.0.

(721) Finland

HEL IX 02 10 46 00.3–.10 64.54N 24.67E 0 1.1L
¶626448711
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.1km az=-1.0. Explosion.

(536) Sweden

HEL IX 02 10 46 09.3–.30 67.83N 20.16E 0 1.1L
¶626448712
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=7.0km az=-1.0. Suspected explosion.

(535) Southern Norway

BER IX 02 11 20 18.4–.87 60.69N 5.55E 0
¶624827664
BER Event type sh. Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0. Suspected explosion.

(460) Wyoming

ISC IX 02 16 48 23.2–1.5 43.49N–.07 105.35W–.06 0 27 1-11
NEIC IX 02 16 48 22.4–1.4 43.41N–.05 105.44W–.06 0–1 2.7L **¶621080692**
IDC IX 02 16 48 27.7–5.0 43.61N 105.92W 0 3.1L,3.1
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.5km s-min=6.4km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=91.3km s-min=40.2km az=166.0.

(326) Southwestern Siberia

ISC IX 03 06 41 57.2–3.9 53.3N–.10 90.5E–.20 0 10 3-8
NNC IX 03 06 41 57.2–5.5 53.30N 90.36E 0 3.4b,3.0 **¶621081547**
IDC IX 03 06 42 02.0–3.3 53.49N 89.97E 0 2.7,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=38.4km s-min=24.5km az=66.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.2km s-min=19.6km az=75.0.

(326) Southwestern Siberia

IDC IX 03 06 49 38.2–3.5 54.15N 86.96E 0 2.7,2.6L
ASGSR IX 03 06 49 43.0–1.5 54.09N 86.51E 0 2.3,2.6L **¶621081548**
IDC Error ellipse: s-maj=28.9km s-min=17.8km az=78.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC IX 03 07 00 02.1–2.0 54.69N 83.62E 0 3.0,2.6L
ASGSR IX 03 07 00 00.0–1.7 54.63N 83.70E 0 2.3,2.6L **¶621081549**
IDC Error ellipse: s-maj=17.9km s-min=12.5km az=162.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

ISC IX 03 07 15 03.7–1.1 49.56N–.05 81.42E–.10 0 9 1-7
SOME IX 03 07 14 56.5 49.82N 82.33E **¶621081550**
ASGSR IX 03 07 15 00.0–1.8 49.71N 81.72E 0 2.8
IDC IX 03 07 15 04.8–1.4 49.72N 81.49E 0 2.8,2.4L
NNC IX 03 07 15 07.0–2.0 49.69N 81.33E 0 3.2b,3.2
ISC Event type km.
SOME Event type kx.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=15.7km s-min=11.0km az=81.0.
NNC Event type sm. Error ellipse: s-maj=38.2km s-min=7.2km az=61.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC IX 03 07 25 28.9–4.1 54.14N 87.20E 0 2.5,2.3L
ASGSR IX 03 07 25 25.0–1.3 54.16N 87.18E 0 2.3,2.3L **¶621081551**
IDC Error ellipse: s-maj=39.8km s-min=22.6km az=68.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC IX 03 08 05 11.3–3.8 53.58N 87.89E 0 3.0,2.5L
ASGSR IX 03 08 05 06.0–1.5 53.62N 87.98E 0 2.8,2.5L **¶621081555**
IDC Error ellipse: s-maj=35.7km s-min=22.2km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC IX 03 08 19 49.9–3.9 53.77N 88.17E 0 3.0,2.5L
ASGSR IX 03 08 19 47.0–.80 53.69N 88.10E 0 2.7,2.5L **¶621081556**
IDC Error ellipse: s-maj=36.7km s-min=23.5km az=58.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(366) Turkey

AFAD IX 03 09 35 51.8 39.89N 28.83E 7–3 1.7L
ISK IX 03 09 35 51.6 39.86N 28.81E 0–0 2.1L **¶621817544**
AFAD Event type se. Presumed earthquake.
ISK Event type sm. Suspected Mining explosion.

(721) Finland

HEL IX 03 10 31 34.1–.20 60.34N 25.01E 0 1.1L
LVSN IX 03 10 31 34.3–1.1 59.26N 20.26E 0–15 2.1L **¶626448731**
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=4.7km s-min=25.5km az=-1.0. Presumed earthquake.

(464) Minnesota

ISC IX 03 16 08 10.1–.94 47.53N–.04 92.97W–.06 0 10 1-13
NEIC IX 03 16 08 16.0–.78 47.54N–.02 92.52W–.04 0–2 3.2L,2.9 **¶621081573**
IDC IX 03 16 08 17.6–4.5 47.38N 93.51W 0 2.7,1.2L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=4.8km s-min=3.6km az=234.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.3km s-min=20.2km az=102.0.

(548) Poland

PRU IX 04 01 35 07.6 50.21N 18.98E 0
BRA IX 04 01 35 07.5–1.9 50.29N 19.02E 11–6 **¶624827683**
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=9.6km s-min=5.2km az=0.0. Mining induced.

(329) Eastern Kazakhstan

ISC IX 04 07 32 17.9–1.1 50.00N–.04 77.82E–.08 0 27 1-6
NNC IX 04 07 32 22.3–.37 50.01N 78.91E 0 3.7b,2.6 **¶621081622**
IDC IX 04 07 32 24.4–1.4 50.04N 78.76E 0 2.5,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.8km s-min=1.9km az=71.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.8km s-min=9.6km az=65.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC IX 04 11 31 33.6–.87 67.63N–.05 30.42E–.04 0 20 1-6
BER IX 04 11 31 24.0–2.3 67.04N 31.66E 0 **¶625332661**
KOGSR IX 04 11 31 37.0–.70 67.58N–.04 30.53E–.07 0 2.4
IDC IX 04 11 31 38.3–3.0 67.46N 30.04E 0 2.8,2.0L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=18.2km s-min=63.5km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=45.7km s-min=13.7km az=85.0.

(584) South Africa

ISC IX 04 13 16 18.6–.95 26.06S–.05 29.20E–.03 0 19 1-6
BGSI IX 04 13 16 04.1–.80 26.38S 31.01E 0–17 2.5L **¶624894082**
PRE IX 04 13 16 21.4–1.1 26.10S 29.35E 0 2.0L
ISC Event type sh.
BGSI Event type se. Error ellipse: s-maj=6.1km s-min=18.5km az=-1.0. Presumed earthquake.
PRE Event type sh. Error ellipse: s-maj=7.3km s-min=2.2km az=-1.0. Suspected explosion.

(535) Southern Norway

BER IX 04 17 41 24.7–1.3 60.79N 7.26E 0
¶626255580
BER Event type sh. Error ellipse: s-maj=2.6km s-min=5.0km az=-1.0. Suspected explosion.

(535) Southern Norway

DNK IX 04 17 41 53.7–.37 59.95N 10.36E 0 1.6L
¶635706669
DNK Event type sh. Error ellipse: s-maj=1.8km s-min=4.3km az=-1.0. Suspected explosion.

(548) Poland

IPEC IX 04 18 50 20.5–.20 50.20N 18.79E 1 1.9L
VIE IX 04 18 50 21.5–.60 50.20N 18.66E 0 2.0L,2.0b **¶621037035**
BRA IX 04 18 50 21.0–.85 50.24N 18.78E 14–4 1.7L,2.0b
PRU IX 04 18 50 23.9 50.14N 18.55E 0 1.7L,2.0b
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.0km az=7.0.
VIE Event type sr. Error ellipse: s-maj=4.8km s-min=3.1km az=86.0. 24 km WSW of Katowice . Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=5.8km s-min=2.2km az=0.0. Mining induced.
PRU Event type ki.

(548) Poland

PRU IX 04 19 59 22.2 51.52N 16.05E 0
¶624827694
PRU Event type ki.

(536) Sweden

ISC IX 05 00 15 59.8–.96 67.18N–.03 20.68E–.03 0 24 0-8
IDC IX 05 00 16 00.3–1.4 67.23N 20.69E 0 2.7,1.9L **¶621086371**
UPP IX 05 00 16 00.6–.10 67.19N 20.68E 0 2.0L,1.9L
ISC Event type ki.
IDC Error ellipse: s-maj=19.4km s-min=9.6km az=116.0.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.

(460) Wyoming

ISC IX 05 19 05 00.2–.98 43.59N–.06 105.21W–.05 0 31 1-31
NEIC IX 05 19 04 59.7–1.9 43.66N–.05 105.20W–.10 0–1 3.2L **¶621086417**
IDC IX 05 19 05 01.9–2.1 43.77N 105.48W 0 3.1L,3.1
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=14.8km s-min=2.7km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.3km s-min=11.2km az=146.0.

(536) Sweden

ISC IX 05 23 21 26.1–.96 67.81N–.04 20.23E–.03 0 25 0-8
UPP IX 05 23 21 25.9–.00 67.82N 20.21E 0 2.6L **¶621035637**
IDC IX 05 23 21 26.4–1.6 67.95N 19.97E 0 2.8,2.2L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=22.3km s-min=11.4km az=121.0.

(326) Southwestern Siberia

IDC IX 06 06 00 09.8–4.7 54.43N 86.58E 0 2.7,2.5L
ASGSR IX 06 06 00 08.0–.90 54.40N 86.66E 0 2.5,2.5L **¶621094234**
IDC Error ellipse: s-maj=37.0km s-min=18.4km az=57.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR IX 06 07 14 24.0–1.4 54.29N 86.90E 0 2.7
IDC IX 06 07 14 22.5–4.2 54.32N 87.16E 0 2.7,2.4L **¶621094237**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.0km s-min=22.4km az=64.0.

(326) Southwestern Siberia

IDC IX 06 09 20 16.9–3.8 54.12N 87.20E 0 3.0,2.7L
ASGSR IX 06 09 20 15.0–1.3 54.14N 87.13E 0 2.7,2.7L **¶621094242**
IDC Error ellipse: s-maj=34.2km s-min=21.4km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(715) Tajikistan

ISC IX 06 09 38 29.4–8.3 40.9N–.10 69.2E–.50 37–17 10 2-4
KRNET IX 06 09 38 27.6–.10 40.92N 69.31E 2.5b **¶622410372**
ISC Event type se.

(326) Southwestern Siberia

IDC IX 06 09 40 05.6–4.1 54.14N 87.09E 0 2.6,2.1L
ASGSR IX 06 09 40 02.0–1.9 54.17N 87.08E 0 2.5,2.1L **¶621094245**
IDC Error ellipse: s-maj=39.9km s-min=19.9km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(646) Northern Norway

HEL IX 06 11 36 39.7–.60 70.45N 28.40E 0 1.1L
KOGSR IX 06 11 36 40.0 69.69N–.08 29.5E–.30 0 1.8 **¶625332720**
HEL Event type kh. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(584) South Africa

ISC IX 06 11 52 01.9–.94 23.76S–.04 27.48E–.04 0 18 0-5
PRE IX 06 11 52 03.2–.57 23.93S 27.35E 0 0.9L **¶624894088**
BGSI IX 06 11 52 08.1–.85 23.69S 27.53E 40–14 2.5L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=3.4km s-min=2.2km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=3.2km s-min=3.6km az=-1.0. Presumed earthquake.

(713) Central Kazakhstan

ISC IX 06 12 14 39.1–1.1 51.10N–.09 73.89E–.06 0 9 3-7
IDC IX 06 12 14 37.6–1.7 51.18N 73.86E 0 2.6,1.9L **¶621094254**
NNC IX 06 12 14 38.5–1.1 50.81N 73.66E 0 3.4b,3.0
ISC Event type sm.
IDC Error ellipse: s-maj=30.5km s-min=9.9km az=32.0.
NNC Event type sm. Error ellipse: s-maj=11.0km s-min=7.4km az=154.0. Suspected Mining explosion.

(584) South Africa

PRE IX 06 13 26 13.9–.89 26.15S 29.31E 0 2.3L
BGSI IX 06 13 26 09.9–.53 25.74S 30.20E 0–8 2.5L **¶624894089**
PRE Event type sh. Error ellipse: s-maj=4.3km s-min=3.5km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=2.4km s-min=7.6km az=-1.0. Presumed earthquake.

(478) Utah

ISC IX 06 17 23 10.5–1.0 40.52N–.03 112.20W–.03 0 31 1-13
NEIC IX 06 17 23 12.2–1.7 40.47N–.01 112.07W–.02 0–1 2.1L **¶621094268**
IDC IX 06 17 23 19.1–1.3 41.02N 112.41W 0 3.1L,2.5
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=2.9km s-min=2.5km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.2km s-min=10.4km az=154.0.

(326) Southwestern Siberia

IDC IX 07 06 55 11.4–3.6 54.26N 86.29E 0 2.7,2.5L
ASGSR IX 07 06 55 10.0–1.3 54.29N 86.17E 0 2.5,2.5L **¶621094306**
IDC Error ellipse: s-maj=27.3km s-min=14.4km az=66.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC IX 07 07 00 06.2–4.3 54.13N 86.80E 0 2.7,2.5L
ASGSR IX 07 07 00 07.0–1.8 54.11N 86.45E 0 2.4,2.5L **¶621094308**
IDC Error ellipse: s-maj=38.4km s-min=18.7km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

ISC IX 07 07 25 10.6–1.5 50.04N–.06 82.38E–.09 0 13 2-8
ASGSR IX 07 07 25 16.0–1.6 49.67N 81.69E 0 2.8 **¶621094309**
NNC IX 07 07 25 17.6–2.4 49.73N 81.93E 0 3.4b,3.0
IDC IX 07 07 25 19.1–1.4 49.75N 81.54E 0 2.8,2.3L
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=29.2km s-min=6.4km az=55.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.5km s-min=11.0km az=83.0.

(326) Southwestern Siberia

IDC IX 07 07 42 07.0–3.9 53.80N 88.04E 0 2.8,2.6L
ASGSR IX 07 07 42 02.0–.70 53.79N 88.25E 0 2.7,2.6L **¶621094311**
IDC Error ellipse: s-maj=36.6km s-min=23.4km az=57.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
IDC IX 07 08 00 19.3–3.8 53.93N 86.65E 0 3.1,2.5L
ASGSR IX 07 07 59 48.0–1.8 53.67N 88.17E 0 2.5,2.5L ¶621094313
IDC Error ellipse: s-maj=33.0km s-min=16.9km az=77.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(722) Norway-Murmansk border region
HEL IX 07 10 58 30.0–.50 70.45N 28.34E 0
KOGSR IX 07 10 58 29.1 69.66N 29.63E 0 1.5L ¶625345718
BER IX 07 10 58 30.9–.81 70.41N 28.56E 0 1.5L
HEL Event type kh. Error ellipse: s-maj=2.8km s-min=8.2km az=-1.0. Explosion.
KOGSR Event type kh. Error ellipse: s-maj=3.5km s-min=1.9km az=120.0. Kirkenes, Norway.
BER Event type sh. Error ellipse: s-maj=6.9km s-min=7.0km az=-1.0. Suspected explosion.
(535) Southern Norway
BER IX 07 12 06 23.0–.37 60.93N 10.74E 0
¶625388069
BER Event type sh. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 07 20 05 13.2 67.65N 33.77E 0 1.2L
¶635723027
KOGSR Event type kh. Error ellipse: s-maj=2.0km s-min=1.1km az=150.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 07 20 06 03.0–.20 67.65N–.02 33.77E–.05 0 1.6
¶625332759
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(536) Sweden
HEL IX 07 20 06 12.7–.50 67.91N 20.15E 0 0.8L
¶626448792
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=9.4km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
IDC IX 08 07 19 06.4–4.7 53.07N 89.77E 0 2.7,2.2L
ASGSR IX 08 07 18 50.0 53.76N 90.95E 0 2.6,2.2L ¶621105766
IDC Error ellipse: s-maj=50.9km s-min=24.7km az=54.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(329) Eastern Kazakhstan
ISC IX 08 07 21 48.9–1.1 50.00N–.06 78.76E–.10 0 26 1-5
NNC IX 08 07 21 47.7–.45 50.01N 78.83E 0 3.3b,2.8 ¶621105767
IDC IX 08 07 21 48.9–1.4 50.00N 78.78E 0 2.8,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=8.0km s-min=2.3km az=75.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.5km s-min=10.0km az=68.0.
(721) Finland
HEL IX 08 07 26 39.1–.20 64.41N 27.75E 0 1.1L
¶626448801
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0. Explosion.
(536) Sweden
HEL IX 08 07 27 05.0–.30 67.86N 20.16E 0 1.1L
¶626448802
HEL Event type sh. Error ellipse: s-maj=1.5km s-min=6.0km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
ISC IX 08 08 55 12.0–4.1 53.9N–.10 90.9E–.20 0 12 4-9
ASGSR IX 08 08 55 07.0–1.9 53.77N 91.04E 0 2.9 ¶621105771
IDC IX 08 08 55 09.1–3.6 53.81N 91.11E 0 2.8,2.3L
NNC IX 08 08 55 20.5–2.8 53.46N 90.32E 0 3.4b,3.1
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=26.9km s-min=22.0km az=69.0.
NNC Event type sm. Error ellipse: s-maj=27.0km s-min=20.6km az=157.0. Suspected Mining explosion.
(721) Finland
HEL IX 08 08 58 58.1–.10 63.30N 23.13E 0 1.1L
DNK IX 08 08 58 51.9–2.7 65.81N 24.46E 0 2.6L ¶621742392
UPP IX 08 08 58 57.7–1.4 63.29N 23.20E 0 2.6L
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0. Explosion.
DNK Event type sh. Error ellipse: s-maj=107.4km s-min=287.5km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0. Presumed earthquake.
(326) Southwestern Siberia
IDC IX 08 09 00 03.2–3.5 53.86N 87.73E 0 3.1,2.9L
ASGSR IX 08 09 00 03.0–1.4 53.56N 87.68E 0 2.7,2.9L ¶621105772
IDC Error ellipse: s-maj=26.8km s-min=18.0km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(536) Sweden
ISC IX 08 09 44 55.2–.81 67.58N–.02 21.06E–.03 0 41 0-3
HEL IX 08 09 44 55.9–.20 67.64N 20.84E 0 1.5L ¶621742393
UPP IX 08 09 44 56.0–.00 67.63N 21.02E 0 2.7L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=4.0km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(536) Sweden
ISC IX 08 23 17 17.3–.76 67.80N–.03 20.26E–.03 0 29 0-10
UPP IX 08 23 17 17.8–.00 67.85N 20.21E 0 2.5L ¶621105808
IDC IX 08 23 17 18.9–1.2 67.86N 20.35E 0 3.2,2.4L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=18.0km s-min=9.5km az=113.0.
(548) Poland
PRU IX 09 04 27 46.2 51.31N 16.22E 0
¶621072197
PRU Event type ki.
(326) Southwestern Siberia
IDC IX 09 07 54 54.8–3.9 53.59N 90.83E 0 3.2,2.6L
ASGSR IX 09 07 54 49.0–2.2 53.71N 91.06E 0 2.9,2.6L ¶621105861
IDC Error ellipse: s-maj=37.7km s-min=27.7km az=31.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(547) Czech and Slovak Republics
ISC IX 09 08 00 02.4–1.0 49.32N–.09 17.67E–.04 0 9 0-13
BRA IX 09 08 00 01.1–.69 49.52N 17.65E 0 ¶621105862
IDC IX 09 08 00 09.3–2.9 49.61N 17.63E 0 3.3,1.9L
ISC Event type sm.
BRA Event type sm. Error ellipse: s-maj=6.1km s-min=4.3km az=90.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=37.5km s-min=20.0km az=132.0.
(326) Southwestern Siberia
ASGSR IX 09 08 59 53.0–.70 54.29N 86.90E 0 2.7
IDC IX 09 08 59 52.7–4.2 54.31N 87.04E 0 2.9,2.7L ¶621105865
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=41.3km s-min=20.4km az=67.0.
(326) Southwestern Siberia
IDC IX 09 09 05 12.6–3.4 53.65N 86.95E 0 2.8L,2.7
ASGSR IX 09 09 05 10.0–.90 53.56N 86.83E 0 2.4,2.7 ¶621105866
IDC Error ellipse: s-maj=34.2km s-min=17.7km az=89.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(721) Finland
ISC IX 09 09 09 39.7–.82 67.67N–.02 26.93E–.03 0 33 0-9
IDC IX 09 09 09 41.2–3.4 67.67N 26.89E 0 2.6,1.8L ¶621105867
BER IX 09 09 09 42.4–1.8 67.56N 27.17E 0 2.6,1.8L
HEL IX 09 09 09 42.1–.00 67.70N 27.00E 0 1.7L,1.8L
KOGSR IX 09 09 09 43.0–.40 67.75N–.07 26.8E–.20 0 2.3,1.8L
ISC Event type km.
BER Event type sh. Suspected explosion.
HEL Event type kh. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(722) Norway-Murmansk border region
HEL IX 09 10 11 39.0–.30 70.42N 28.50E 0 1.2L
KOGSR IX 09 10 11 38.0 69.68N–.08 29.5E–.30 0 1.7 ¶625332839
HEL Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(646) Northern Norway
BER IX 09 13 56 15.2–1.1 69.59N 17.59E 0
¶635706646
BER Event type sh. Error ellipse: s-maj=7.4km s-min=13.0km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 09 13 57 05.8 67.68N 34.18E 0 1.1L
¶625345744
KOGSR Event type kh. Error ellipse: s-maj=14.9km s-min=1.1km az=120.0. Khibiny, mines Koashva, Nyurkpakh.
(536) Sweden
ISC IX 09 14 17 57.0–.76 64.14N–.02 20.94E–.02 0 56 0-3
UPP IX 09 14 17 58.4–.10 64.20N 20.90E 0 2.6L ¶621742408
DNK IX 09 14 17 59.0–.40 64.20N 20.90E 0 2.6L
HEL IX 09 14 17 59.1–.00 64.20N 20.89E 0 1.2L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0. Explosion.
(536) Sweden
ISC IX 09 17 00 36.4–.76 67.07N–.02 20.96E–.03 0 70 0-8
UPP IX 09 17 00 36.3–.10 67.05N 20.95E 0 2.5L ¶621049367
HEL IX 09 17 00 37.8–.20 67.06N 21.11E 0 2.1L
IDC IX 09 17 00 37.2–1.4 67.10N 20.73E 0 2.8,2.0L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=4.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.8km s-min=12.2km az=101.0.
(464) Minnesota
ISC IX 09 17 10 11.4–.89 47.55N–.04 92.76W–.05 0 17 1-20
NEIC IX 09 17 10 12.8–1.8 47.58N–.03 92.71W–.06 0–2 3.0L,2.9 ¶621105894
IDC IX 09 17 10 14.3–3.2 47.52N 93.13W 0 2.6,0.7L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.1km s-min=3.3km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.1km s-min=18.0km az=87.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 09 23 32 06.4–.81 67.64N–.03 33.70E–.03 0 68 0-12
HEL IX 09 23 32 07.7–.10 67.88N 33.62E 0 2.2L ¶621105917
BER IX 09 23 32 07.1–3.5 67.44N 33.63E 0 2.4L
KOGSR IX 09 23 32 07.4 67.67N 33.72E 0 2.5L
IDC IX 09 23 32 08.7–2.3 67.65N 33.62E 0 3.3,2.3L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=2.5km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=19.1km s-min=126.0km az=-1.0. Suspected explosion.
KOGSR Error ellipse: s-maj=1.8km s-min=1.4km az=120.0. Khibiny, mines Kirovsk, Yukspor.
IDC Error ellipse: s-maj=22.5km s-min=11.6km az=95.0.
(536) Sweden
UPP IX 09 23 33 13.7–.00 67.86N 20.20E 0 1.9L
¶621742409
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(536) Sweden
ISC IX 09 23 39 16.7–.86 67.81N–.03 20.25E–.03 0 25 0-8
UPP IX 09 23 39 17.6–.00 67.82N 20.20E 0 2.2L ¶621105919
IDC IX 09 23 39 18.4–1.6 67.86N 20.60E 0 2.8,1.8L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.2km s-min=10.8km az=119.0.
(722) Norway-Murmansk border region
KOGSR IX 10 04 04 09.0–.70 69.3N–.10 31.0E–.30 0 1.9
¶625332913
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 10 04 05 07.1 67.66N 33.74E 0 1.4L
¶635723028
KOGSR Event type kh. Error ellipse: s-maj=3.5km s-min=1.0km az=140.0. Khibiny, mines Kirovsk, Yukspor.
(590) Western Australia
AUST IX 10 05 16 17.3–.43 22S–4.0 119E–8.0 4–6 4.6b,2.7L
¶621051059
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
(326) Southwestern Siberia
IDC IX 10 08 14 25.8–4.5 53.72N 88.01E 0 2.8,2.4L
ASGSR IX 10 08 14 24.0–1.4 53.68N 88.16E 0 2.5,2.4L ¶621108493
IDC Error ellipse: s-maj=42.7km s-min=23.0km az=50.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(329) Eastern Kazakhstan
IDC IX 10 08 17 14.8–1.6 49.95N 82.44E 0 2.3,1.7L
¶621108494
IDC Error ellipse: s-maj=16.8km s-min=11.8km az=95.0.
(326) Southwestern Siberia
IDC IX 10 08 26 37.7–4.2 53.77N 88.14E 0 2.9,2.6L
ASGSR IX 10 08 26 37.0–.80 53.71N 88.13E 0 2.5,2.6L ¶621108495
IDC Error ellipse: s-maj=38.0km s-min=22.2km az=55.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 10 08 40 00.2–4.1 53.60N 87.78E 0 2.8,2.5L
ASGSR IX 10 08 40 02.0–.90 53.62N 87.70E 0 2.7,2.5L ¶621108496
IDC Error ellipse: s-maj=37.3km s-min=21.2km az=61.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 10 09 20 13.7–3.6 53.67N 87.93E 0 2.9,2.7L
ASGSR IX 10 09 20 16.0–2.9 53.69N 87.93E 0 2.7,2.7L ¶621108504
IDC Error ellipse: s-maj=27.0km s-min=18.8km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 10 09 35 16.4–3.4 53.54N 87.42E 0 2.7,2.2L
ASGSR IX 10 09 35 13.0–1.3 53.51N 87.55E 0 2.7,2.2L ¶621108506
IDC Error ellipse: s-maj=27.4km s-min=17.5km az=80.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 10 09 43 28.7–3.6 53.64N 87.94E 0 2.9,2.7L
ASGSR IX 10 09 43 26.0 53.62N 87.97E 0 2.7,2.7L ¶621108507
IDC Error ellipse: s-maj=27.9km s-min=21.3km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 10 09 54 55.0–3.6 53.58N 87.52E 0 2.6,2.2L
ASGSR IX 10 09 54 51.0–1.1 53.53N 87.69E 0 2.6,2.2L ¶621108508
IDC Error ellipse: s-maj=28.0km s-min=20.9km az=67.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(536) Sweden
HEL IX 10 10 45 25.5–.50 67.88N 20.12E 0 1.2L
¶626448863
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=10.5km az=-1.0. Suspected explosion.
(721) Finland
HEL IX 10 10 46 13.1–.30 66.64N 26.26E 0 0.8L
¶626448864
HEL Event type kh. Error ellipse: s-maj=2.8km s-min=4.8km az=-1.0. Explosion.
(329) Eastern Kazakhstan
NNC IX 10 13 47 55.2–3.9 50.15N 75.97E 0 2.9b,2.6
¶624940189
NNC Event type sm. Error ellipse: s-maj=26.8km s-min=21.3km az=106.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 10 15 20 18.2–.78 68.08N–.02 33.08E–.03 0 53 0-12
IDC IX 10 15 20 19.9–3.7 68.00N 32.82E 0 2.8,2.0L ¶621108527
HEL IX 10 15 20 19.1–.10 68.08N 33.06E 0 1.4L,2.0L
KOGSR IX 10 15 20 19.0–.30 68.09N–.01 33.11E–.06 0 1.9,2.0L
ISC Event type km.
HEL Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 10 15 50 08.7–.98 67.64N–.04 34.19E–.04 0 28 0-11

BER IX 10 15 50 09.6–.63 67.53N 34.33E 0 ¶621108529
KOGSR IX 10 15 50 10.0–.50 67.69N–.01 34.10E–.04 0 2.6
IDC IX 10 15 50 11.1–3.9 67.65N 34.10E 0 3.0,2.1L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=5.7km s-min=24.1km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=37.5km s-min=14.0km az=81.0.
(722) Norway-Murmansk border region
HEL IX 10 16 02 15.7–.50 69.38N 30.61E 0 1.3L
BER IX 10 16 02 14.7–1.1 69.50N 31.20E 0 1.3L ¶625345745
KOGSR IX 10 16 02 14.8 69.48N 30.87E 0 1.4L
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=8.5km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=6.8km s-min=33.5km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=6.9km s-min=3.3km az=50.0. Zapolyarny City, Mines.
(536) Sweden
HEL IX 10 16 03 06.6–.30 67.86N 20.05E 0 1.2L
¶626448869
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=7.0km az=-1.0. Suspected explosion.
(464) Minnesota
ISC IX 10 17 23 44.8–.99 47.60N–.05 92.62W–.05 0 20 1-20
NEIC IX 10 17 23 46.4–.60 47.58N–.06 92.60W–.06 0–2 3.0L,2.9 ¶621108532
IDC IX 10 17 23 50.7–3.8 47.44N 93.69W 0 2.6,0.5L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.7km s-min=6.3km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.9km s-min=19.5km az=78.0.
(547) Czech and Slovak Republics
PRU IX 10 18 07 10.3 49.83N 18.41E 0
IPEC IX 10 18 07 08.6–.29 49.83N 18.55E 1 1.6L ¶621072222
BRA IX 10 18 07 09.9–.73 49.79N 18.52E 4–6 0.9L
PRU Event type ki. Mining Induced Event Csm, E=2.4e+04.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=67.0.
BRA Event type kr. Error ellipse: s-maj=4.2km s-min=3.5km az=0.0. Mining induced.
(332) Northern Xinjiang
ISC IX 11 07 45 51.1–1.6 44.66N–.05 82.36E–.09 0 25 2-3
NNC IX 11 07 45 54.0–.68 44.62N 82.13E 0 3.7b,3.5 ¶624940213
SOME IX 11 07 45 53.7 44.57N 82.42E 35 3.7b,3.5
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.6km s-min=2.1km az=121.0. Suspected Mining explosion.
(366) Turkey
ISK IX 11 08 34 49.6 40.40N 29.21E 0–0 1.2L
¶635706673
ISK Event type sm. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 11 12 04 58.0 67.57N 30.78E 0 2.1L
¶635723029
KOGSR Event type kh. Error ellipse: s-maj=4.0km s-min=2.1km az=30.0. Murmansk region, Kovdor district.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 11 12 05 17.0–.50 67.54N–.04 30.5E–.10 0 2.4
¶625332929
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 11 12 11 08.0–.30 67.61N–.03 33.88E–.09 0 1.6
¶625332931
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 11 12 11 53.8 67.63N 33.86E 0 1.4L
¶635723030
KOGSR Event type kh. Error ellipse: s-maj=3.4km s-min=1.5km az=130.0. Khibiny, mines Rasvumchorr, Central.
(713) Central Kazakhstan
ISC IX 11 14 53 25.7–2.5 43.57N–.10 69.7E–.10 0 22 1-5
SOME IX 11 14 53 22.3 43.70N 69.77E ¶622410490
KRNET IX 11 14 53 22.0–.10 43.58N 69.53E 3.1b
NNC IX 11 14 53 23.6–15 42.32N 70.63E 0 3.3b,3.1
ISC Event type kx.
SOME Event type kx.
NNC Event type se. Error ellipse: s-maj=101.8km s-min=67.5km az=124.0.
(460) Wyoming
ISC IX 11 18 52 29.3–1.2 43.53N–.05 105.23W–.05 0 48 1-10
NEIC IX 11 18 52 28.3–1.6 43.55N–.05 105.25W–.09 0–1 3.0L ¶621108598
IDC IX 11 18 52 31.4–2.5 43.80N 105.66W 0 3.3,3.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.9km s-min=8.5km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.3km s-min=13.6km az=147.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 11 19 48 11.1–.72 60.06N–.02 26.95E–.03 0 98 1-10
BER IX 11 19 48 08.3–.67 59.56N 28.16E 0 2.1L ¶621070380
DNK IX 11 19 48 11.0–2.0 60.02N 27.71E 15 2.9L
HEL IX 11 19 48 13.4–.00 60.07N 27.14E 0 2.1L
IDC IX 11 19 48 14.4–1.5 60.10N 27.09E 0 3.3,2.6L
LVSN IX 11 19 48 14.7–3.3 60.02N 27.22E 0–79 2.3L,2.6L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=16.7km s-min=33.6km az=-1.0. Suspected explosion.
DNK Event type se. Error ellipse: s-maj=15.0km s-min=22.7km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=14.7km s-min=13.8km az=127.0.
LVSN Event type se. Error ellipse: s-maj=34.7km s-min=156.9km az=-1.0. Presumed earthquake.
(723) Finland-Karelia border region
ISC IX 11 21 49 28.7–.83 60.06N–.03 27.04E–.04 0 82 1-10
DNK IX 11 21 49 24.7–2.1 60.08N 28.20E 15 2.5L ¶625332932
MOS IX 11 21 49 29.0–.20 60.070N–.01 27.14E–.01 0 1.9
HEL IX 11 21 49 30.3–.00 60.08N 27.13E 0 2.0L
IDC IX 11 21 49 30.3–1.5 60.12N 27.21E 0 3.2,2.6L
LVSN IX 11 21 49 31.8–3.2 59.96N 27.26E 0–72 2.4L,2.6L
BER IX 11 21 49 42.7–.82 60.59N 25.85E 0 2.4L,2.6L
ISC Event type km.
DNK Event type se. Error ellipse: s-maj=21.3km s-min=28.7km az=-1.0. Presumed earthquake.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=15.2km s-min=12.8km az=117.0.
LVSN Event type se. Error ellipse: s-maj=24.7km s-min=87.9km az=-1.0. Presumed earthquake.
BER Event type sh. Error ellipse: s-maj=27.1km s-min=59.7km az=-1.0. Suspected explosion.
(721) Finland
ISC IX 11 23 37 12.4–.78 60.07N–.03 26.99E–.04 0 93 1-10
DNK IX 11 23 37 10.6–2.2 60.07N 27.88E 15 ¶625332934
LVSN IX 11 23 37 13.3–.35 60.10N 26.93E 0–2 2.3L
HEL IX 11 23 37 13.8–.00 60.05N 27.13E 0 2.0L
MOS IX 11 23 37 13.0–.10 60.051N–.01 27.13E–.01 0 1.8
IDC IX 11 23 37 15.3–1.5 60.07N 26.94E 0 3.1,2.4L
ISC Event type km.
DNK Event type se. Error ellipse: s-maj=29.0km s-min=33.5km az=-1.0. Presumed earthquake.
LVSN Event type se. Error ellipse: s-maj=3.4km s-min=11.5km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=15.3km s-min=15.0km az=160.0.
(329) Eastern Kazakhstan
NNC IX 12 07 31 22.3–.30 50.01N 78.89E 0 3.5b,2.9
¶624940251
NNC Event type sm. Error ellipse: s-maj=6.3km s-min=1.6km az=70.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 12 08 11 11.6–.81 60.06N–.03 27.00E–.04 0 71 1-10
BER IX 12 08 11 08.6–1.4 59.65N 28.08E 0 ¶625332948
DNK IX 12 08 11 09.7–1.4 60.13N 27.91E 15
HEL IX 12 08 11 13.5–.00 60.06N 27.12E 0 1.9L
MOS IX 12 08 11 13.0–.30 60.05N–.01 27.14E–.02 0 1.9L
IDC IX 12 08 11 14.1–1.5 60.09N 27.08E 0 3.2,2.5L
LVSN IX 12 08 11 15.2–2.3 59.96N 27.17E 0–66 2.2L,2.5L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=72.7km s-min=231.2km az=-1.0. Suspected explosion.
DNK Event type se. Error ellipse: s-maj=17.4km s-min=23.1km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=15.3km s-min=14.7km az=178.0.
LVSN Event type se. Error ellipse: s-maj=21.0km s-min=91.8km az=-1.0. Presumed earthquake.
(721) Finland
ISC IX 12 10 30 48.8–.72 60.11N–.03 26.92E–.04 0 95 1-18
DNK IX 12 10 30 47.3–1.9 60.18N 27.82E 15 3.1L ¶626331819
BER IX 12 10 30 50.4–1.2 59.99N 27.48E 0 3.1L
MOS IX 12 10 30 50.0–.30 60.06N–.01 27.13E–.02 0 2.3
IDC IX 12 10 30 51.2–1.4 60.11N 27.12E 0 3.7,3.5L
HEL IX 12 10 30 51.0–.00 60.08N 27.11E 0 2.3L,3.5L
LVSN IX 12 10 30 57.8–2.8 59.97N 26.70E 0–20 2.8L,3.5L
ISC Event type km.
DNK Event type se. Error ellipse: s-maj=14.0km s-min=20.4km az=-1.0. Presumed earthquake.
BER Event type sh. Error ellipse: s-maj=25.8km s-min=91.6km az=-1.0. Suspected explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=13.7km s-min=11.9km az=137.0.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=11.8km s-min=82.4km az=-1.0. Presumed earthquake.
(723) Finland-Karelia border region
ISC IX 12 12 08 33.3–.80 60.05N–.03 27.01E–.04 0 83 1-17
LVSN IX 12 12 08 30.9–2.4 60.28N 28.14E 0–666 3.0L ¶625332955
DNK IX 12 12 08 31.2–1.4 60.10N 27.99E 15 3.0L
HEL IX 12 12 08 35.7–.00 60.08N 27.10E 0 2.2L
MOS IX 12 12 08 35.0–.30 60.08N–.02 27.10E–.02 0 2.3
IDC IX 12 12 08 36.2–1.5 60.11N 27.17E 0 3.6,3.4L
BER IX 12 12 08 39.5–1.2 60.14N 26.90E 0 3.6,3.4L
ISC Event type km.
LVSN Event type se. Error ellipse: s-maj=124.8km s-min=999.9km az=-1.0. Presumed earthquake.
DNK Event type se. Error ellipse: s-maj=10.5km s-min=15.9km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=13.6km s-min=12.2km az=129.0.
BER Event type sh. Error ellipse: s-maj=57.0km s-min=156.4km az=-1.0. Suspected explosion.
(721) Finland
ISC IX 12 13 48 50.7–.81 60.07N–.03 26.94E–.04 0 86 1-10
MOS IX 12 13 48 52.0–.30 60.06N–.01 27.13E–.02 0 2.2 ¶625332945
HEL IX 12 13 48 52.6–.00 60.07N 27.12E 0 2.2L
LVSN IX 12 13 48 52.0–1.6 60.12N 26.90E 0–17 2.8L
IDC IX 12 13 48 53.3–1.5 60.08N 27.15E 0 3.5,3.0L
BER IX 12 13 48 53.8–.98 60.06N 27.25E 0 3.5,3.0L
ISC Event type km.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=8.4km s-min=129.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=13.5km s-min=12.3km az=132.0.
BER Event type sh. Error ellipse: s-maj=19.8km s-min=74.8km az=-1.0. Suspected explosion.
(460) Wyoming
ISC IX 12 21 57 41.7–1.1 42.35N–.05 104.61W–.09 0 13 1-21
NEIC IX 12 21 57 41.1–1.7 42.41N–.05 104.51W–.07 0–1 2.7L ¶621109680
IDC IX 12 21 57 58.9–4.1 43.39N 105.81W 0 3.2,3.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.9km s-min=8.2km az=141.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.7km s-min=24.3km az=144.0.
(536) Sweden
ISC IX 12 23 18 24.4–.75 67.80N–.02 20.29E–.02 0 60 0-8
HEL IX 12 23 18 23.7–.30 67.87N 19.99E 0 1.7L ¶621109685
UPP IX 12 23 18 24.7–.00 67.85N 20.21E 0 2.3L
IDC IX 12 23 18 25.9–1.9 67.92N 20.07E 0 2.7,1.8L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=5.8km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=23.3km s-min=12.7km az=113.0.
(548) Poland
ISC IX 13 00 15 23.3–.78 51.58N–.02 16.15E–.03 0 100 1-6
DNK IX 13 00 15 23.9–1.4 51.57N 16.04E 0 2.9L ¶621070916
IPEC IX 13 00 15 24.3–.18 51.54N 16.19E 1 2.6L
GFZ IX 13 00 15 26.3–.50 52N–4.0 16E–3.0 10 3.0,3.0
ISC Event type sh.
DNK Event type sh. Suspected explosion.
IPEC Event type ki.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
(326) Southwestern Siberia
IDC IX 13 08 18 52.0–3.8 53.73N 88.17E 0 2.9,2.2L
ASGSR IX 13 08 18 50.0–1.3 53.70N 88.15E 0 2.6,2.2L ¶621109701
IDC Error ellipse: s-maj=29.7km s-min=22.8km az=52.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ASGSR IX 13 09 55 00.0 54.25N 86.81E 0 2.6
IDC IX 13 09 54 59.1–3.6 54.38N 87.04E 0 2.9,2.6L ¶621109706
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=29.6km s-min=21.0km az=68.0.
(538) France
STR IX 13 10 15 11.3–.59 49N–3.0 2W–5.0 0 2.1
¶626067968
STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
(538) France
STR IX 13 10 15 33.8–.60 48N–4.0 3W–4.0 0 1.5
¶626067965
STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 13 12 05 08.0–.20 67.67N–.02 33.73E–.04 0 1.6
HEL IX 13 12 05 12.4–.30 67.60N 33.38E 0 1.2L ¶625333020
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type sh. Error ellipse: s-maj=3.3km s-min=5.2km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 13 12 06 05.4 67.67N 33.74E 0 1.4L
¶635723031
KOGSR Event type kh. Error ellipse: s-maj=2.0km s-min=0.8km az=150.0. Khibiny, mines Kirovsk, Yukspor.
(536) Sweden
ISC IX 13 12 58 07.7–.85 58.17N–.02 12.04E–.02 0 62 0-2
UPP IX 13 12 58 07.6–.10 58.16N 12.02E 0 2.2L ¶621742429
DNK IX 13 12 58 08.1–1.2 58.16N 12.03E 0 2.6L
BER IX 13 12 58 09.3–2.5 58.17N 12.03E 0 2.6L,2.0L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=5.1km s-min=10.7km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 13 23 54 21.5–.84 67.63N–.03 33.85E–.04 0 55 0-12
IDC IX 13 23 54 21.4–2.5 67.65N 34.31E 0 3.4,2.3L ¶621109732
HEL IX 13 23 54 22.8–.20 67.67N 33.78E 0 1.8L,2.3L
KOGSR IX 13 23 54 22.0–.40 67.65N–.02 33.77E–.05 0 2.2,2.3L
ISC Event type km.
HEL Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(329) Eastern Kazakhstan
ISC IX 14 07 49 09.0–.97 49.57N–.04 81.46E–.06 0 15 1-6
ASGSR IX 14 07 49 06.0–1.6 49.64N 81.64E 0 2.7 ¶621110824

NNC IX 14 07 49 10.4–2.6 49.78N 81.74E 0 3.3b,3.2
IDC IX 14 07 49 10.5–1.2 49.70N 81.41E 0 2.6,2.0L
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=26.2km s-min=11.8km az=59.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.3km s-min=9.5km az=86.0.
(326) Southwestern Siberia
IDC IX 14 08 05 34.9–3.9 54.16N 86.42E 0 2.8,2.6L
ASGSR IX 14 08 05 30.0–1.2 54.39N 86.64E 0 2.4,2.6L **¶621110825**
IDC Error ellipse: s-maj=33.1km s-min=15.8km az=68.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 14 08 31 06.8–4.0 53.86N 87.61E 0 2.8,2.6L
ASGSR IX 14 08 31 12.0–.60 53.63N 86.85E 0 2.2,2.6L **¶621110827**
IDC Error ellipse: s-maj=36.9km s-min=21.0km az=58.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(546) Austria
KRSZO IX 14 10 01 04.3–.93 48.17N 16.92E 0
¶635706675
KRSZO Event type sx. Error ellipse: s-maj=8.3km s-min=3.5km az=138.0. Suspected Explosion.
(546) Austria
VIE IX 14 10 01 35.9–.43 47.59N 15.68E 0 0.8L,0.6b
¶621140363
VIE Event type sm. Error ellipse: s-maj=5.3km s-min=2.6km az=134.0. 2 km SSE of Mrzzuschlag . Suspected Mining explosion.
(169) Samoa Islands region
ISC IX 14 10 28 17.5–.40 15.11S–.06 173.92W–.04 121–3 4.9b 306 2-160
IDC IX 14 10 28 15.7–2.3 15.05S 174.17W 93–21 4.5,4.1b **¶621072704**
NEIC IX 14 10 28 16.9–1.3 15.1S–.10 173.90W–.07 110–6 4.9b,4.1b
BJI IX 14 10 28 17.5 15.10S 174.00W 126 5.5b,4.9b
GFZ IX 14 10 28 19.2–.50 15S–7.0 174W–4.0 129–4 5.5b,5.0
GCMT IX 14 10 28 22.6–.20 14.94S–.02 173.94W–.01 132–2 5.1W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109141028A. Moment Tensor Solution. s51,c71; s121,c179; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.15 $M_{\theta\theta}$0.15±.20; $M_{\phi\phi}$1.54±.19; $M_{r\theta}$-3.11±.11; $M_{\theta\phi}$0.90±.17; $M_{\phi r}$-3.97±.10; Best double couple: NP1:ϕ_s192.00000°,δ11.00000° ,λ-115.00000°. NP2:ϕ_s38.00000°,δ80.00000°,λ-85.00000°. Principal axes: T 5.4750,Plg35.0000°,Azm123.0000°; N -0.2060,Plg5.0000°,Azm217.0000° ; P -5.2660,Plg55.0000°,Azm313.0000° $M_0$5.37000×10^{16}
(332) Northern Xinjiang
ISC IX 14 12 39 21.9–1.7 44.61N–.06 82.21E–.09 0 24 2-4
SOME IX 14 12 39 21.4 44.52N 82.23E 20 **¶624940341**
NNC IX 14 12 39 23.4–1.5 44.61N 82.11E 0 3.8b,3.5
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=15.2km s-min=5.4km az=128.0. Suspected Mining explosion.
(548) Poland
PRU IX 14 14 33 47.5 50.34N 18.95E 0
BRA IX 14 14 33 57.4–.74 49.75N 18.58E 10 0.9L **¶624827785**
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=4.2km s-min=2.9km az=0.0. Mining induced.
(548) Poland
ISC IX 14 17 10 42.0–.71 50.30N–.03 19.01E–.02 0 99 1-20
IPEC IX 14 17 10 43.4–.21 50.21N 18.95E 1 2.9L **¶621080740**
IDC IX 14 17 10 43.1–1.2 50.27N 18.97E 0 3.2,2.4L
BRA IX 14 17 10 43.3–.60 50.25N 19.05E 10 2.4L,2.4L
DNK IX 14 17 10 44.3–2.3 50.29N 18.73E 0 2.5L,2.4L
PRU IX 14 17 10 45.9 50.21N 18.76E 0 2.5L,2.4L
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=0.9km az=10.0.
IDC Error ellipse: s-maj=19.3km s-min=8.9km az=149.0.
BRA Event type kr. Error ellipse: s-maj=3.3km s-min=1.6km az=0.0. Mining induced.
DNK Event type sh. Error ellipse: s-maj=25.1km s-min=76.3km az=-1.0. Suspected explosion.
PRU Event type ki.
(326) Southwestern Siberia
IDC IX 15 06 34 39.2–3.3 53.85N 88.22E 0 3.0,2.5L
ASGSR IX 15 06 34 36.0 53.81N 88.23E 0 2.8,2.5L **¶621111973**
IDC Error ellipse: s-maj=26.0km s-min=18.9km az=78.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 15 09 54 21.8–3.4 53.52N 87.96E 0 2.7,2.3L
ASGSR IX 15 09 54 24.0–1.3 53.56N 87.77E 0 2.6,2.3L **¶621111980**
IDC Error ellipse: s-maj=29.6km s-min=23.3km az=84.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 15 12 10 01.1–.73 59.61N–.02 24.58E–.02 0 80 0-10
DNK IX 15 12 09 58.5–.66 59.64N 25.03E 0 2.2L **¶621076725**
UPP IX 15 12 10 00.3–2.9 59.71N 24.86E 0 2.2L
HEL IX 15 12 10 01.9–.10 59.59N 24.63E 0 1.9L
IDC IX 15 12 10 02.6–3.3 59.58N 24.64E 0 2.9,2.1L
EST IX 15 12 10 02.1–.00 59.61N 24.58E 0 1.9L,2.1L
LVSN IX 15 12 10 03.2–1.9 59.59N 24.71E 0–44 2.4L,2.1L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=27.8km s-min=25.1km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=33.0km s-min=12.2km az=148.0.
EST Event type kh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=8.9km s-min=44.0km az=-1.0. Presumed earthquake.
(546) Austria
VIE IX 15 12 25 20.6–.26 48.43N 15.31E 0 1.1L,0.8b
¶621140398
VIE Event type sm. Error ellipse: s-maj=2.3km s-min=1.3km az=36.0. 7 km E of Ottenschlag . Suspected Mining explosion.
(464) Minnesota
ISC IX 15 17 13 04.3–.89 47.54N–.04 92.71W–.05 0 19 1-13
NEIC IX 15 17 13 05.7–1.4 47.53N–.04 92.67W–.05 0–2 3.0L,2.9 **¶621112001**
IDC IX 15 17 13 08.2–4.4 47.71N 92.91W 0 2.8,0.6L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=7.1km s-min=5.7km az=25.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.5km s-min=21.7km az=95.0.
(326) Southwestern Siberia
ISC IX 16 05 40 25.8–1.2 51.65N–.07 82.4E–.10 0 8 3-5
IDC IX 16 05 40 25.0–1.3 51.63N 82.52E 0 2.8,2.4L **¶621112873**
NNC IX 16 05 40 34.3–3.5 51.25N 82.14E 0 2.3b,1.8
ISC Event type sm.
IDC Error ellipse: s-maj=17.6km s-min=9.6km az=117.0.
NNC Event type sm. Error ellipse: s-maj=27.1km s-min=10.5km az=45.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC IX 16 07 44 50.0–4.8 54.56N 86.31E 0 2.6,2.5L
ASGSR IX 16 07 44 51.0–1.2 54.39N 86.11E 0 2.5,2.5L **¶621112876**
IDC Error ellipse: s-maj=39.1km s-min=17.4km az=50.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 16 09 05 36.9–3.9 54.14N 86.49E 0 3.1L,2.9
ASGSR IX 16 09 05 37.0–1.8 54.17N 86.38E 0 2.5,2.9 **¶621112878**
IDC Error ellipse: s-maj=33.1km s-min=15.1km az=70.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 16 09 25 01.9–3.5 53.70N 88.08E 0 2.9,2.3L
ASGSR IX 16 09 25 02.0–1.2 53.57N 87.61E 0 2.7,2.3L **¶621112879**
IDC Error ellipse: s-maj=26.7km s-min=17.6km az=71.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
HEL IX 16 09 59 37.7–.20 64.76N 30.69E 0 2.0L
KOGSR IX 16 09 59 38.0–.70 64.7N–.20 30.9E–.30 0 2.3 **¶625333169**
BER IX 16 09 59 40.4–.56 64.82N 30.67E 0 2.3
HEL Event type sh. Error ellipse: s-maj=0.7km s-min=3.5km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
BER Event type sh. Error ellipse: s-maj=25.0km s-min=63.3km az=-1.0. Suspected explosion.
(332) Northern Xinjiang
ISC IX 16 11 49 22.2–1.9 44.26N–.06 81.67E–.08 0 21 1-3
SOME IX 16 11 49 24.2 44.18N 81.65E 25 **¶624940407**
NNC IX 16 11 49 26.0–1.5 44.24N 81.45E 0 3.0b,2.9
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.0km s-min=8.6km az=143.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 16 12 05 52.0–.60 67.64N–.02 33.80E–.07 0 1.6
¶625333173
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 16 12 06 37.6 67.65N 33.78E 0 1.2L
¶635723032
KOGSR Event type kh. Error ellipse: s-maj=2.5km s-min=1.1km az=140.0. Khibiny, mines Kirovsk, Yukspor.
(536) Sweden
ISC IX 16 12 27 14.7–.81 64.74N–.02 21.20E–.04 0 50 0-6
HEL IX 16 12 27 14.9–.20 64.75N 21.14E 0 1.4L **¶621112890**
IDC IX 16 12 27 15.9–3.5 64.82N 21.33E 0 2.9,2.1L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=3.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=46.8km s-min=12.4km az=80.0.
(723) Finland-Karelia border region
HEL IX 16 12 56 17.5–.10 63.32N 30.21E 0 1.1L
¶626448991
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0. Explosion.
(548) Poland
PRU IX 16 18 12 46.5 50.29N 19.00E 0
BRA IX 16 18 12 47.6–1.9 50.18N 19.06E 4–6 **¶621086436**
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=9.6km s-min=5.6km az=0.0. Mining induced.
(722) Norway-Murmansk border region
HEL IX 17 04 03 58.5–.20 69.39N 30.71E 0 0.9L
¶626449003
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=3.6km az=-1.0. Explosion.
(721) Finland
HEL IX 17 04 04 34.4–.20 65.78N 24.61E 0 0.9L
¶626449004
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0. Suspected explosion.
(332) Northern Xinjiang
ISC IX 17 05 31 24.1–1.9 44.60N–.06 82.28E–.09 0 24 2-3
SOME IX 17 05 31 25.6 44.52N 82.15E 20 **¶624940421**
NNC IX 17 05 31 28.9–1.8 44.66N 81.99E 0 3.5b,3.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=20.2km s-min=5.8km az=125.0. Suspected Mining explosion.
(536) Sweden
ISC IX 17 09 00 08.8–.72 67.43N–.02 23.24E–.03 0 65 0-8
HEL IX 17 09 00 09.5–.10 67.43N 23.34E 0 1.4L **¶621112948**
UPP IX 17 09 00 09.0–.20 67.42N 23.34E 0 1.9L
IDC IX 17 09 00 09.8–1.6 67.48N 23.24E 0 2.5,1.9L
BER IX 17 09 00 12.4–1.1 67.56N 23.22E 0 2.5,1.9L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=3.1km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=28.1km s-min=12.9km az=102.0.
BER Event type sh. Error ellipse: s-maj=13.1km s-min=28.7km az=-1.0. Suspected explosion.
(536) Sweden
ISC IX 17 14 14 22.3–.78 60.32N–.03 16.22E–.02 0 51 0-10
UPP IX 17 14 14 22.8–.00 60.32N 16.23E 0 2.1L **¶621081709**
DNK IX 17 14 14 23.3–.49 60.32N 16.23E 0 2.1L
IDC IX 17 14 14 23.4–1.4 60.15N 16.21E 0 3.1,1.9L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0. Explosion.
IDC Error ellipse: s-maj=18.1km s-min=9.8km az=167.0.
(464) Minnesota
ISC IX 17 16 27 47.6–.92 47.47N–.05 92.56W–.05 0 20 1-13
NEIC IX 17 16 27 49.6–1.0 47.47N–.05 92.53W–.06 0–2 3.1L,2.9 **¶621112973**
IDC IX 17 16 27 52.6–4.6 47.51N 93.21W 0 3.0,1.0L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.9km s-min=5.6km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.4km s-min=20.9km az=97.0.
(536) Sweden
ISC IX 17 17 03 41.6–.90 67.04N–.03 20.97E–.04 0 17 0-8
UPP IX 17 17 03 41.4–.10 67.06N 20.93E 0 2.3L **¶621742460**
IDC IX 17 17 03 42.8–1.4 67.05N 21.24E 0 2.8,2.0L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=26.2km s-min=12.2km az=110.0.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 17 20 10 07.7 67.62N 33.87E 0 1.3L
HEL IX 17 20 10 08.0–.20 67.71N 33.74E 0 1.2L **¶625333196**
KOGSR Event type kh. Error ellipse: s-maj=2.8km s-min=1.1km az=140.0. Khibiny, mines Rasvumchorr, Central.
HEL Event type kh. Error ellipse: s-maj=2.7km s-min=4.4km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 17 20 11 00.0–.20 67.67N–.02 33.75E–.04 0 1.7
¶635706682
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 17 20 11 00.4 67.67N 33.75E 0 1.4L
¶635723033
KOGSR Event type kh. Error ellipse: s-maj=2.1km s-min=0.9km az=140.0. Khibiny, mines Kirovsk, Yukspor.
(721) Finland
ISC IX 18 05 38 36.6–.80 60.07N–.03 26.97E–.04 0 82 1-10
DNK IX 18 05 38 35.1–2.1 60.05N 27.87E 15 **¶621113549**
LVSN IX 18 05 38 38.4–4.0 60.00N 27.42E 0–53 2.8L
HEL IX 18 05 38 38.6–.00 60.07N 27.13E 0 2.1L
MOS IX 18 05 38 38.0–.20 60.066N–.01 27.12E–.01 0 2.2
IDC IX 18 05 38 39.1–1.5 60.11N 27.13E 0 3.5,3.0L
BER IX 18 05 38 40.8–1.7 59.99N 27.04E 0 3.5,3.0L
ISC Event type kh.
DNK Event type se. Error ellipse: s-maj=18.9km s-min=24.8km az=-1.0. Presumed earthquake.
LVSN Event type se. Error ellipse: s-maj=21.7km s-min=108.3km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
MOS Event type kh. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=13.9km s-min=12.8km az=112.0.
BER Event type sh. Error ellipse: s-maj=45.8km s-min=102.9km az=-1.0. Suspected explosion.
(723) Finland-Karelia border region
ISC IX 18 07 35 45.5–.77 60.06N–.03 27.01E–.03 0 56 1-10
MOS IX 18 07 35 47.0–.10 60.060N–.01 27.11E–.01 0 **¶621082851**
HEL IX 18 07 35 47.8–.00 60.06N 27.12E 0 1.9L
IDC IX 18 07 35 48.3–1.4 60.09N 27.06E 0 3.3,2.7L
LVSN IX 18 07 35 49.4–2.7 60.02N 27.20E 0–46 2.2L,2.7L
ISC Event type kh.
MOS Event type kh. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=14.2km s-min=12.2km az=76.0.

LVSN Event type se. Error ellipse: s-maj=26.7km s-min=124.7km az=-1.0. Presumed earthquake.
(329) Eastern Kazakhstan
ISC IX 18 07 44 45.8–.96 50.03N–.06 78.78E–.10 0 28 1-5
NNC IX 18 07 44 44.6–.25 50.01N 78.85E 0 3.3b,2.6 **¶621113550**
IDC IX 18 07 44 46.0–1.4 50.07N 78.81E 0 2.4,1.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=5.3km s-min=1.3km az=69.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.9km s-min=10.3km az=58.0.
(713) Central Kazakhstan
ISC IX 18 08 47 23.4–1.1 43.73N–.05 69.69E–.07 0 35 1-9
NNC IX 18 08 47 22.9–.75 43.69N 69.81E 0 3.9b,3.3 **¶622410695**
SOME IX 18 08 47 23.0 43.62N 69.75E 3.9b,3.3
KRNET IX 18 08 47 23.3–.10 43.68N 69.66E 3.3b,3.3
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.1km s-min=3.5km az=80.0. Suspected Mining explosion.
SOME Event type kx.
(721) Finland
HEL IX 18 13 30 08.3–.00 60.21N 25.20E 0 1.2L
LVSN IX 18 13 30 10.0–.57 59.46N 24.34E 0–16 1.4L **¶625388116**
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=6.3km s-min=9.6km az=-1.0. Presumed earthquake.
(584) South Africa
ISC IX 18 14 20 07.8–.93 27.65S–.03 23.10E–.04 0 34 2-5
PRE IX 18 14 20 07.1–1.1 27.62S 23.13E 0 2.6L **¶624894611**
BGSI IX 18 14 20 07.9–1.1 27.81S 22.61E 3–9 2.6L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=3.4km s-min=3.0km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=5.2km s-min=5.7km az=-1.0. Presumed earthquake.
(724) Baltic States-Belarus-Northwestern Russia
HEL IX 18 20 16 17.5–.20 67.63N 33.38E 0 1.0L
¶625345795
HEL Event type kh. Error ellipse: s-maj=2.7km s-min=4.9km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 18 20 16 49.6 67.66N 33.75E 0 1.5L
¶635706668
KOGSR Event type kh. Error ellipse: s-maj=2.7km s-min=1.4km az=120.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
HEL IX 18 22 31 44.8–.20 67.69N 34.11E 0 1.3L
BER IX 18 22 31 44.8–1.2 67.58N 34.41E 0 1.3L **¶625333209**
KOGSR IX 18 22 31 44.0–.30 67.67N–.03 34.18E–.07 0 1.6
HEL Event type sh. Suspected explosion.
BER Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(536) Sweden
HEL IX 18 22 32 39.8–.40 67.18N 20.58E 0 0.8L
¶626449042
HEL Event type sh. Error ellipse: s-maj=2.1km s-min=8.6km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR IX 19 04 13 39.6 67.66N 33.73E 0 1.2L
HEL IX 19 04 13 40.1–.10 67.63N 33.74E 0 1.1L **¶625345796**
KOGSR Event type kh. Error ellipse: s-maj=3.1km s-min=1.5km az=130.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0. Suspected explosion.
(590) Western Australia
AUST IX 19 05 38 34.4–.27 28S–3.0 124E–2.0 10 3.9b,3.2L
¶621083062
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
(548) Poland
ISC IX 19 08 10 32.8–.78 50.23N–.03 19.07E–.03 0 73 1-12
IPEC IX 19 08 10 33.5–.21 50.21N 19.07E 1 2.4L **¶621086476**
IDC IX 19 08 10 33.4–1.2 50.17N 19.10E 0 3.2,2.6L
VIE IX 19 08 10 34.7–.53 50.23N 18.91E 0 2.4L,2.1b
BRA IX 19 08 10 34.0–.70 50.28N 19.09E 10–3 2.3L,2.1b
PRU IX 19 08 10 35.3 50.25N 18.94E 0 2.3L,2.1b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=0.9km az=12.0.
IDC Error ellipse: s-maj=27.4km s-min=9.4km az=158.0.
VIE Event type sr. Error ellipse: s-maj=4.6km s-min=3.3km az=99.0. 6 km WSW of Katowice . Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=4.8km s-min=2.4km az=0.0. Mining induced.
PRU Event type ki.
(326) Southwestern Siberia
ISC IX 19 08 19 29.6–.44 53.75N–.02 88.09E–.02 0 4.0b 107 0-87
IDC IX 19 08 19 28.8–.64 53.77N 88.25E 0 4.5s,4.0b **¶621083070**
ASGSR IX 19 08 19 29.9 53.7N–1.0 88.1E–1.0 2–1 4.2,4.0b
MOS IX 19 08 19 30.5–1.8 53.80N 88.06E 10 4.1b,4.0b
NNC IX 19 08 19 36.5–2.0 53.50N 87.47E 0 4.7b,4.4
ISC Event type sm.
IDC Error ellipse: s-maj=13.2km s-min=8.0km az=178.0.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/Hypo71. manual. confirmed.
MOS Error ellipse: s-maj=8.1km s-min=6.6km az=101.2.
NNC Event type sm. Error ellipse: s-maj=15.0km s-min=13.8km az=47.0. Suspected Mining explosion.
(721) Finland
HEL IX 19 14 09 00.8–.00 60.20N 25.19E 0 0.6L
LVSN IX 19 14 09 03.0–4.2 59.17N 20.80E 0–126 2.0L **¶626449055**
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=61.4km s-min=182.3km az=-1.0. Presumed earthquake.
(547) Czech and Slovak Republics
ISC IX 19 18 47 25.7–.83 49.82N–.03 18.56E–.03 0 62 0-4
VIE IX 19 18 47 24.6–.46 49.82N 18.65E 0 2.7L,2.3b **¶621086482**
IPEC IX 19 18 47 26.2–.29 49.83N 18.57E 1 2.2L,2.3b
BRA IX 19 18 47 27.2–.44 49.82N 18.49E 13–4 2.2L,2.3b
PRU IX 19 18 47 27.5 49.88N 18.52E 0 2.2L,2.3b
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=3.6km s-min=2.8km az=83.0. 29 km E of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.2km az=73.0.
BRA Event type kr. Error ellipse: s-maj=2.7km s-min=2.2km az=0.0. Mining induced.
PRU Event type ki. Mining Induced Event Csm, E=3.8e+05.
(326) Southwestern Siberia
IDC IX 20 08 50 12.9–3.3 53.66N 87.95E 0 2.9,2.7L
ASGSR IX 20 08 50 11.0–2.2 53.56N 87.95E 0 2.6,2.7L **¶621115985**
IDC Error ellipse: s-maj=25.9km s-min=19.4km az=79.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 20 09 00 32.6–3.3 53.91N 86.99E 0 2.6,2.3L
ASGSR IX 20 09 00 33.0–1.5 53.64N 86.84E 0 2.2,2.3L **¶625333261**
IDC Error ellipse: s-maj=28.2km s-min=16.0km az=84.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
ISC IX 20 09 52 12.8–2.9 53.6N–.10 88.1E–.20 0 13 2-11
ASGSR IX 20 09 52 14.0–1.3 53.62N 87.96E 0 2.9 **¶621115988**
IDC IX 20 09 52 14.1–3.2 53.52N 88.05E 0 3.1,2.4L
NNC IX 20 09 52 20.6–2.4 53.44N 87.57E 0 3.2b,2.9
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=24.7km s-min=16.2km az=80.0.
NNC Event type sm. Error ellipse: s-maj=18.8km s-min=11.0km az=69.0. Suspected Mining explosion.
(535) Southern Norway
DNK IX 20 11 31 02.8–.40 59.10N 10.05E 0 1.2L
¶635706667
DNK Event type sh. Error ellipse: s-maj=3.8km s-min=5.3km az=-1.0. Suspected explosion.
(460) Wyoming
ISC IX 20 19 14 04.1–1.0 43.52N–.06 105.23W–.05 0 25 1-11
NEIC IX 20 19 14 05.8–1.3 43.71N–.03 105.41W–.07 0–1 2.9L **¶621116003**
IDC IX 20 19 14 08.8–2.2 43.98N 105.49W 0 3.2,3.0L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.1km s-min=4.0km az=246.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.0km s-min=13.1km az=145.0.
(548) Poland
PRU IX 20 20 54 17.2 50.05N 18.29E 0
¶621108618
PRU Event type ki.
(536) Sweden
UPP IX 20 22 14 43.5–.00 67.19N 20.66E 0 1.8L
KOGSR IX 20 22 14 27.5 66.59N 8.12E 0 **¶621742483**
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
KOGSR Error ellipse: s-maj=116.6km s-min=33.4km az=150.0. Norwegian sea.
(326) Southwestern Siberia
IDC IX 21 08 30 02.0–4.2 53.69N 88.02E 0 2.8,2.5L
ASGSR IX 21 08 30 00.0 53.65N 87.98E 0 2.6,2.5L **¶621116027**
IDC Error ellipse: s-maj=37.9km s-min=22.3km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(535) Southern Norway
ISC IX 21 13 27 47.7–.87 58.92N–.05 9.40E–.03 0 28 1-2
UPP IX 21 13 27 47.5–1.0 58.88N 9.30E 0 2.8L **¶621742489**
DNK IX 21 13 27 49.5–1.4 58.88N 9.39E 5–8 2.8L
BER IX 21 13 27 50.2–1.1 58.86N 9.39E 0 2.8L
ISC Event type sh.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Presumed earthquake.
DNK Event type se. Error ellipse: s-maj=5.4km s-min=5.8km az=-1.0. Presumed earthquake.
BER Event type sh. Error ellipse: s-maj=4.5km s-min=5.1km az=-1.0. Suspected explosion.
(374) Jordan-Syria region
GII IX 21 20 41 19.2–.00 33.321N–.00 35.138E–.00 0
¶621094766
GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
(326) Southwestern Siberia
ISC IX 21 21 52 59.1–.72 54.25N–.02 86.17E–.02 0 62 0-8
ASGSR IX 21 21 52 58.0 54.3N–.80 86.2E–.80 3–1 3.5 **¶624940615**
NNC IX 21 21 52 58.7–1.7 54.27N 86.15E 0 3.9b,3.4
ISC Event type sm.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/Polysaevo_Velocity_Model. manual. confirmed.
NNC Event type sm. Error ellipse: s-maj=18.3km s-min=7.8km az=171.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC IX 22 07 25 24.8–2.0 50.00N–.05 77.5E–.10 0 29 1-6
NNC IX 22 07 25 28.5–1.5 49.93N 78.16E 0 2.5b,2.4 **¶621118124**
IDC IX 22 07 25 31.5–1.4 50.01N 78.75E 0 2.4,2.0L
SOME IX 22 07 25 39.0 49.65N 78.67E 5 2.4,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=28.1km s-min=7.4km az=102.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.6km s-min=10.1km az=66.0.
(326) Southwestern Siberia
IDC IX 22 07 57 14.7–3.5 53.70N 90.78E 0 2.7,2.0L
ASGSR IX 22 07 57 09.0–1.4 53.75N 91.07E 0 2.8,2.0L **¶621118128**
IDC Error ellipse: s-maj=27.1km s-min=22.0km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(535) Southern Norway
ISC IX 22 08 29 04.7–.83 59.48N–.03 11.67E–.03 0 36 0-2
UPP IX 22 08 29 06.8–.20 59.49N 11.73E 0 2.7L **¶621742499**
DNK IX 22 08 29 07.1–.75 59.49N 11.73E 0 2.7L
BER IX 22 08 29 07.7–1.1 59.49N 11.69E 0 2.7L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=3.0km s-min=4.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=4.1km s-min=32.1km az=-1.0. Suspected explosion.
(721) Finland
ISC IX 22 10 42 48.3–2.0 63.05N–.07 27.8E–.10 0 14 2-8
IDC IX 22 10 42 50.8–2.1 63.12N 27.70E 0 3.2,2.1L **¶621118135**
BER IX 22 10 42 50.1–.97 62.91N 28.01E 0 3.2,2.1L
ISC Event type sh.
IDC Error ellipse: s-maj=24.7km s-min=11.2km az=102.0.
BER Event type sh. Error ellipse: s-maj=8.2km s-min=19.4km az=-1.0. Suspected explosion.
(536) Sweden
ISC IX 22 11 06 49.3–.70 63.73N–.02 20.05E–.02 0 108 0-5
BER IX 22 11 06 47.8–1.4 63.46N 20.18E 0 **¶621742501**
UPP IX 22 11 06 50.0–.10 63.76N 20.08E 0 2.5L
DNK IX 22 11 06 50.3–.64 63.75N 20.08E 0 2.5L
HEL IX 22 11 06 50.7–.10 63.75N 20.10E 0 1.8L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=14.6km s-min=83.2km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0. Explosion.
(723) Finland-Karelia border region
ISC IX 22 12 28 48.7–.81 60.12N–.03 26.93E–.04 0 59 1-10
MOS IX 22 12 28 48.0–.40 60.03N–.02 27.17E–.03 0 2.2 **¶621118140**
IDC IX 22 12 28 50.6–1.5 60.10N 26.84E 0 3.3,2.8L
HEL IX 22 12 28 50.0–.00 60.08N 27.07E 0 2.0L,2.8L
BER IX 22 12 28 50.1–.93 60.08N 27.54E 0 2.0L,2.8L
LVSN IX 22 12 28 52.2–3.1 59.94N 27.06E 0–91 2.5L,2.8L
ISC Event type km.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=15.4km s-min=14.2km az=4.0.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=19.7km s-min=76.4km az=-1.0. Suspected explosion.
LVSN Event type se. Error ellipse: s-maj=27.6km s-min=128.2km az=-1.0. Presumed earthquake.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 22 15 19 48.9–.89 67.62N–.03 34.10E–.04 0 48 0-11
BER IX 22 15 19 48.2–.51 67.50N 34.44E 0 **¶621118157**
IDC IX 22 15 19 49.6–3.6 67.61N 34.17E 0 3.1,2.1L
HEL IX 22 15 19 49.8–.30 67.73N 33.88E 0 1.7L,2.1L
KOGSR IX 22 15 19 49.0–.50 67.65N–.01 34.00E–.04 0 2.2,2.1L
ISC Event type km.
BER Event type sh. Suspected explosion.
HEL Event type sh. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(535) Southern Norway
BER IX 22 17 09 51.0–.82 59.02N 9.89E 0
DNK IX 22 17 09 49.6–1.4 59.09N 9.82E 0 **¶626255848**
BER Event type sh. Error ellipse: s-maj=3.2km s-min=3.6km az=-1.0. Suspected explosion.
DNK Event type sh. Error ellipse: s-maj=8.3km s-min=6.3km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 22 17 19 42.0–.70 59.81N–.02 24.10E–.02 0 106 0-7
BER IX 22 17 19 39.5–.79 59.88N 24.91E 0 **¶621742505**
DNK IX 22 17 19 39.8–1.9 59.92N 24.58E 0 3.6L
UPP IX 22 17 19 40.6–2.5 59.93N 24.47E 0 2.3L
EST IX 22 17 19 43.1 59.84N 24.09E 0 2.1L
HEL IX 22 17 19 43.1–.00 59.84N 24.09E 0 2.1L
LVSN IX 22 17 19 44.4–2.4 59.79N 24.14E 0–41 2.7L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=21.4km s-min=14.8km az=-1.0. Suspected explosion.
DNK Event type sh. Error ellipse: s-maj=8.8km s-min=19.2km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0. Presumed earthquake.
EST Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=7.1km s-min=14.8km az=-1.0. Presumed earthquake.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 22 18 54 58.0–.80 60.06N–.03 27.01E–.04 0 71 1-10
DNK IX 22 18 54 56.8–1.4 59.88N 27.69E 0 **¶621105945**
IDC IX 22 18 55 00.4–1.6 60.08N 27.20E 0 3.2,2.7L

LVSN IX 22 18 55 00.3–2.1 60.11N 26.85E 0–12 2.4L,2.7L
BER IX 22 18 55 00.2–.74 59.43N 27.22E 0 2.4L,2.7L
HEL IX 22 18 55 00.2–.00 60.08N 27.11E 0 1.9L,2.7L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=15.4km s-min=19.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=15.3km s-min=15.1km az=110.0.
LVSN Event type se. Error ellipse: s-maj=9.6km s-min=95.5km az=-1.0. Presumed earthquake.
BER Event type sh. Error ellipse: s-maj=103.2km s-min=82.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.

(536) Sweden

DNK IX 22 22 01 48.2–.69 67.18N 20.61E 0 2.8L
UPP IX 22 22 01 47.8–.10 67.18N 20.59E 0 2.8L **¶621742506**
HEL IX 22 22 01 47.7–.30 67.14N 20.41E 0 1.0L
DNK Event type kh. Error ellipse: s-maj=1.4km s-min=5.5km az=-1.0. Explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=5.7km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

HEL IX 22 22 02 21.8–.20 67.77N 33.81E 0 1.1L
¶626449126
HEL Event type kh. Error ellipse: s-maj=3.5km s-min=3.5km az=-1.0. Explosion.

(536) Sweden

ISC IX 22 23 21 56.0–.75 67.81N–.02 20.34E–.03 0 60 0-8
HEL IX 22 23 21 55.6–.20 67.83N 19.98E 0 1.9L **¶621118184**
UPP IX 22 23 21 56.6–.00 67.83N 20.21E 0 2.3L
IDC IX 22 23 21 59.3–1.6 67.80N 20.43E 0 3.3,2.1L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=4.6km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.7km s-min=11.0km az=118.0.

(383) Northwestern Balkan Peninsula

LJU IX 23 00 10 39.0 46.39N 15.07E 0
¶624735009
LJU Event type kr. Confirmed Rockburst.

(547) Czech and Slovak Republics

ISC IX 23 02 07 19.8–.75 49.82N–.03 18.49E–.02 0 70 0-5
IPEC IX 23 02 07 20.2–.29 49.83N 18.56E 1 2.5L **¶621106378**
PRU IX 23 02 07 21.5 49.80N 18.47E 0 2.5L
BRA IX 23 02 07 21.6–.37 49.80N 18.47E 10–3 2.5L
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=67.0.
PRU Event type ki. Mining Induced Event Csm, E=1.9e+06.
BRA Event type kr. Error ellipse: s-maj=2.6km s-min=1.7km az=0.0. Mining induced.

(724) Baltic States-Belarus-Northwestern Russia

ISC IX 23 08 33 27.5–.91 59.28N–.03 27.62E–.03 0 60 0-10
EST IX 23 08 33 28.6–.10 59.30N 27.67E 0 1.6L **¶621125837**
LVSN IX 23 08 33 31.2–4.0 59.26N 27.58E 0–50 1.6L
IDC IX 23 08 33 31.3–4.9 59.37N 27.34E 0 3.6,1.3L
ISC Event type kh.
EST Event type kh. Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=27.9km s-min=65.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=40.4km s-min=38.2km az=48.0.

(326) Southwestern Siberia

IDC IX 23 09 34 57.3–3.4 53.77N 88.05E 0 2.9,2.6L
ASGSR IX 23 09 34 53.0 53.81N 88.25E 0 2.9,2.6L **¶621125843**
NNC IX 23 09 36 22.5–.95 50.79N 79.71E 0 1.4,2.6L
IDC Error ellipse: s-maj=26.1km s-min=17.9km az=70.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=21.1km s-min=4.8km az=171.0. Suspected Mining explosion.

(536) Sweden

DNK IX 23 09 57 17.8–.31 56.42N 14.05E 0 0.3L
¶626255868
DNK Event type kh. Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0. Explosion.

(723) Finland-Karelia border region

ISC IX 23 10 21 36.1–.88 64.70N–.03 30.79E–.04 0 46 1-10
KOGSR IX 23 10 21 36.9 64.53N 30.50E 0 2.3L **¶621125847**
IDC IX 23 10 21 36.7–2.7 64.63N 31.25E 0 3.3,2.1L
MOS IX 23 10 21 37.0–.70 64.71N–.06 30.88E–.03 0 1.9,2.1L
HEL IX 23 10 21 37.1–.10 64.69N 30.67E 0 1.9L,2.1L
ISC Event type km.
KOGSR Event type kh. Error ellipse: s-maj=17.3km s-min=13.2km az=160.0. Karelia.
IDC Error ellipse: s-maj=30.3km s-min=11.6km az=104.0.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=2.6km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC IX 23 12 00 23.5–.70 59.93N–.02 24.20E–.02 0 61 0-10
IDC IX 23 12 00 24.0–2.9 59.76N 24.47E 0 3.3,2.2L **¶621125854**
HEL IX 23 12 00 25.0–.00 59.96N 24.23E 0 2.0L,2.2L
LVSN IX 23 12 00 26.1–3.8 60.05N 24.45E 0–44 2.5L,2.2L
ISC Event type kh.
IDC Error ellipse: s-maj=30.5km s-min=11.5km az=157.0.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=18.0km s-min=32.5km az=-1.0. Presumed earthquake.

(713) Central Kazakhstan

ISC IX 23 12 35 17.4–2.5 43.54N–.09 69.61E–.10 0 22 1-5
KRNET IX 23 12 35 14.5–.10 43.70N 69.46E 3.3b **¶622410857**
NNC IX 23 12 35 15.9–2.3 43.67N 69.75E 0 3.7b,3.4
SOME IX 23 12 35 16.6 43.58N 69.77E 3.7b,3.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=14.2km s-min=10.5km az=2.0. Suspected Mining explosion.
SOME Event type kx.

(584) South Africa

ISC IX 23 13 53 40.4–.86 27.70S–.04 22.93E–.03 0 41 2-6
PRE IX 23 13 53 40.5–1.1 27.73S 23.02E 0 2.3L **¶621401703**
BGSI IX 23 13 53 41.7–.62 27.91S 22.72E 2–5 2.6L
NAM IX 23 13 53 47.3–26 27.71S 23.30E 40–999 2.9L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=5.1km s-min=3.8km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=3.1km s-min=3.1km az=-1.0. Presumed earthquake.
NAM Event type se. Error ellipse: s-maj=464.1km s-min=999.9km az=-1.0. Presumed earthquake.

(584) South Africa

ISC IX 23 16 18 18.2–.82 26.11S–.03 29.18E–.03 10 24 1-7
PRE IX 23 16 18 17.5–1.2 26.13S 29.18E 0 2.5L **¶624894624**
BGSI IX 23 16 18 21.2–.32 26.03S 30.23E 28–7 2.7L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=2.9km s-min=2.3km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=1.5km s-min=4.7km az=-1.0. Presumed earthquake.

(326) Southwestern Siberia

ASGSR IX 23 20 10 36.0–3.9 51.37N 81.46E 0 2.5
¶635706683
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

NNC IX 23 20 10 54.2–1.3 50.39N 80.49E 0 2.6,2.5b
¶624940697
NNC Event type sm. Error ellipse: s-maj=17.9km s-min=4.6km az=30.0. Suspected Mining explosion.

(456) Montana

ISC IX 23 20 13 18.9–.98 45.90N–.05 106.69W–.06 0 44 1-8
NEIC IX 23 20 13 18.3–1.6 45.85N–.04 106.71W–.06 0–1 3.2L **¶621125881**
IDC IX 23 20 13 20.3–1.7 45.76N 106.51W 0 3.5,3.3L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.4km s-min=3.4km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.1km s-min=11.0km az=135.0.

(536) Sweden

HEL IX 23 23 16 19.5–.20 67.84N 19.96E 0 1.4L
UPP IX 23 23 16 20.7–.00 67.85N 20.19E 0 2.4L **¶621742520**
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=4.8km az=-1.0. Explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(536) Sweden

HEL IX 23 23 17 18.8–.40 67.83N 20.00E 0 1.6L
UPP IX 23 23 17 19.4–.10 67.85N 20.20E 0 2.0L **¶621742523**
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=8.5km az=-1.0. Explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(536) Sweden

UPP IX 23 23 21 46.0–.00 67.83N 20.20E 0 2.6L
¶621742527
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(536) Sweden

ISC IX 23 23 23 58.3–.81 67.77N–.02 20.26E–.02 0 35 0-3
UPP IX 23 23 23 58.8–.00 67.82N 20.21E 0 2.7L **¶621742531**
HEL IX 23 23 23 59.1–.30 67.80N 20.16E 0 1.1L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=6.4km az=-1.0. Suspected explosion.

(548) Poland

ISC IX 24 03 58 15.3–.91 51.58N–.04 16.18E–.03 0 103 1-11
VIE IX 24 03 58 15.8–.97 51.54N 16.15E 0 3.0L,2.7b **¶621110871**
IDC IX 24 03 58 15.9–1.5 51.56N 16.09E 0 3.3,2.7L
BGR IX 24 03 58 16.1–.58 51.57N 16.22E 1 2.8L,2.7L
IPEC IX 24 03 58 17.1–.18 51.51N 16.20E 1 2.6L,2.7L
PRU IX 24 03 58 19.4 51.46N 16.16E 0 2.6L,2.7L
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=7.7km s-min=6.0km az=54.0. 78 km NW of Wroclaw . Suspected Mining induced.
IDC Error ellipse: s-maj=20.7km s-min=11.8km az=134.0.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=3.3km az=25.0.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=66.0.
PRU Event type ki.

(326) Southwestern Siberia

IDC IX 24 06 00 19.0–3.3 53.68N 87.92E 0 2.7,2.5L
ASGSR IX 24 06 00 16.0–1.3 53.63N 87.92E 0 2.8,2.5L **¶621126411**
IDC Error ellipse: s-maj=26.5km s-min=21.9km az=69.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC IX 24 06 59 47.1–4.0 54.12N 86.74E 0 2.8L,2.6
ASGSR IX 24 06 59 48.0–.50 54.16N 86.44E 0 2.1,2.6 **¶621126415**
IDC Error ellipse: s-maj=35.7km s-min=18.2km az=66.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

ISC IX 24 08 31 43.3–1.2 49.54N–.08 81.5E–.10 0 9 2-5
NNC IX 24 08 31 43.2–.84 49.69N 81.94E 0 2.8b,2.4 **¶621126419**
IDC IX 24 08 31 44.6–1.4 49.75N 81.67E 0 2.4,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=11.1km s-min=2.1km az=54.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=16.8km s-min=11.6km az=84.0.

(326) Southwestern Siberia

ASGSR IX 24 09 00 16.0–.70 55.73N 85.97E 0 2.7
IDC IX 24 09 00 15.5–4.3 55.71N 86.61E 0 2.8,2.3L **¶621126420**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=32.8km s-min=26.5km az=1.0.

(326) Southwestern Siberia

ASGSR IX 24 09 29 39.0–.90 54.28N 87.08E 0 2.4
IDC IX 24 09 29 40.3–4.2 54.24N 87.27E 0 3.0,2.5L **¶621126421**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.2km s-min=22.0km az=66.0.

(326) Southwestern Siberia

IDC IX 24 09 34 56.4–4.2 53.61N 87.91E 0 2.8,2.5L
ASGSR IX 24 09 34 54.0–.70 53.59N 87.93E 0 2.4,2.5L **¶621126422**
IDC Error ellipse: s-maj=37.5km s-min=21.6km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC IX 24 09 50 12.0–3.5 53.76N 87.06E 0 3.0,2.7L
ASGSR IX 24 09 50 14.0–.80 53.96N 86.60E 0 2.5,2.7L **¶621126426**
IDC Error ellipse: s-maj=35.3km s-min=18.7km az=83.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(547) Czech and Slovak Republics

ISC IX 24 11 17 07.3–.79 49.79N–.03 18.53E–.02 0 83 0-5
IPEC IX 24 11 17 07.5–.29 49.83N 18.56E 1 2.6L **¶621110873**
KRSZO IX 24 11 17 08.3–1.2 49.78N 18.53E 11–0 2.6L
BRA IX 24 11 17 08.3–.44 49.83N 18.48E 13–4 2.4L
PRU IX 24 11 17 08.6 49.81N 18.47E 0 2.4L
VIE IX 24 11 17 10.4–1.3 49.75N 18.38E 0 2.7L,2.4b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=67.0.
KRSZO Event type ke. Error ellipse: s-maj=9.2km s-min=5.1km az=16.0.
BRA Event type kr. Error ellipse: s-maj=2.7km s-min=1.8km az=0.0. Mining induced.
PRU Event type ki. Mining Induced Event Csm, E=7.5e+05.
VIE Event type sr. Error ellipse: s-maj=9.4km s-min=4.0km az=63.0. 13 km SE of Ostrava . Suspected Mining induced.

(713) Central Kazakhstan

ISC IX 24 11 59 43.4–1.2 51.0N–.10 73.69E–.07 0 8 3-7
NNC IX 24 11 59 40.5–1.2 50.90N 73.64E 0 3.8b,3.4 **¶621126435**
IDC IX 24 11 59 45.7–1.7 51.14N 73.84E 0 3.0,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=11.8km s-min=10.1km az=16.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=31.4km s-min=11.1km az=28.0.

(456) Montana

ISC IX 24 18 18 16.6–1.0 45.16N–.06 106.76W–.07 0 35 2-11
IDC IX 24 18 18 14.1–1.7 44.74N 106.60W 0 3.3,2.6L **¶621126455**
NEIC IX 24 18 18 15.8–1.2 45.16N–.06 106.80W–.08 0–1 3.1L,2.6L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(460) Wyoming

ISC IX 24 18 56 57.2–1.1 43.76N–.06 105.31W–.05 0 53 1-11
NEIC IX 24 18 56 56.5–.92 43.76N–.05 105.39W–.05 0–1 3.0L **¶621126457**
IDC IX 24 18 56 59.6–2.0 44.19N 105.72W 0 3.2,3.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.7km s-min=4.5km az=323.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.4km s-min=15.1km az=146.0.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR IX 24 20 05 20.4 67.68N 33.75E 0 1.2L
¶635723034
KOGSR Event type kh. Error ellipse: s-maj=4.1km s-min=1.6km az=150.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR IX 24 20 05 34.0–.60 67.67N–.02 33.8E–.10 0 1.8
¶625333464
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(460) Wyoming

ISC IX 24 21 13 57.1–1.1 43.71N–.06 105.26W–.06 0 15 1-9
NEIC IX 24 21 13 56.3–2.2 43.73N–.06 105.26W–.03 0–1 2.7L **¶621126465**
IDC IX 24 21 13 59.1–2.4 43.95N 105.48W 0 3.3,2.0L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.1km s-min=4.1km az=349.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.3km s-min=16.5km az=149.0.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR IX 25 04 05 14.6 67.64N 33.75E 0 1.3L
¶635723035
KOGSR Event type kh. Error ellipse: s-maj=2.9km s-min=1.2km az=140.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR IX 25 04 05 22.0–.50 67.65N–.01 33.71E–.03 0 1.7

¶625333472
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(329) Eastern Kazakhstan
ISC IX 25 07 00 25.6–1.3 53.17N–.10 75.34E–.05 0 7 3-8
IDC IX 25 07 00 32.0–1.5 51.79N 74.16E 0 2.6,2.0L ¶621131441
NNC IX 25 07 00 32.2–1.2 52.03N 74.42E 0 2.5b,2.1
ISC Event type sm.
IDC Error ellipse: s-maj=31.5km s-min=10.2km az=29.0.
NNC Event type sm. Error ellipse: s-maj=38.9km s-min=7.7km az=24.0. Suspected Mining explosion.
(332) Northern Xinjiang
ISC IX 25 08 14 16.4–1.8 44.63N–.06 82.16E–.09 0 28 2-3
NNC IX 25 08 14 19.7–1.4 44.68N 81.94E 0 3.5b,3.4 ¶624940753
SOME IX 25 08 14 20.1 44.65N 82.00E 25 3.5b,3.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=14.5km s-min=5.6km az=128.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL IX 25 08 19 33.9–.10 67.65N 33.38E 0 1.3L
KOGSR IX 25 08 19 31.0–.40 67.66N–.01 33.73E–.04 0 1.6 ¶625333474
HEL Event type kh. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(536) Sweden
HEL IX 25 08 20 45.5–.30 67.82N 20.28E 0 1.1L
¶626449180
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=7.4km az=-1.0. Suspected explosion.
(546) Austria
VIE IX 26 01 39 28.3–.14 47.20N 12.47E 0 1.4b,0.7L
PRU IX 26 01 39 30.2 47.09N 12.37E 1 1.4b,0.7L ¶621110904
VIE Event type sm. Error ellipse: s-maj=1.1km s-min=0.9km az=126.0. 9 km S of Mittersill . Suspected Mining explosion.
PRU Event type ki. Mittersill.
(332) Northern Xinjiang
ISC IX 26 07 30 08.4–2.1 44.60N–.07 82.4E–.10 0 28 2-4
SOME IX 26 07 30 11.7 44.75N 82.05E 15 ¶624940796
NNC IX 26 07 30 12.3–1.6 44.67N 82.07E 0 3.5b,3.2
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=16.1km s-min=6.7km az=128.0. Suspected Mining explosion.
(536) Sweden
HEL IX 26 23 15 54.0–.50 67.85N 20.11E 0 0.7L
¶635706660
HEL Event type kh. Error ellipse: s-maj=2.5km s-min=8.6km az=-1.0. Explosion.
(536) Sweden
UPP IX 26 23 16 25.0–.10 67.89N 20.07E 0 2.0L
¶621742554
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan
ISC IX 27 07 07 20.9–1.1 50.25N–.07 79.50E–.06 0 23 1-5
NNC IX 27 07 07 21.6–.76 49.95N 78.79E 0 3.1b,2.5 ¶621140684
IDC IX 27 07 07 25.6–1.4 50.11N 78.80E 0 2.6,1.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.7km s-min=3.7km az=74.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.8km s-min=10.3km az=40.0.
(329) Eastern Kazakhstan
ISC IX 27 07 23 57.9–1.3 49.57N–.09 81.56E–.09 0 8 2-5
NNC IX 27 07 23 58.5–4.1 49.81N 81.79E 0 3.2b,2.8 ¶621140687
IDC IX 27 07 23 58.0–1.4 49.73N 81.46E 0 2.6,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=66.8km s-min=14.1km az=46.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.8km s-min=11.2km az=79.0.
(326) Southwestern Siberia
IDC IX 27 08 01 34.3–1.9 54.59N 83.76E 0 3.0,2.4L
ASGSR IX 27 08 01 32.0–1.4 54.63N 83.68E 0 2.3,2.4L ¶621140691
IDC Error ellipse: s-maj=17.5km s-min=11.9km az=159.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(332) Northern Xinjiang
ISC IX 27 09 04 12.0–2.6 44.51N–.09 82.3E–.10 0 18 2-3
SOME IX 27 09 04 14.6 44.53N 82.20E 20 ¶624940836
NNC IX 27 09 04 17.4–2.4 44.65N 82.06E 0 3.7b,3.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=28.4km s-min=6.7km az=123.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 27 10 00 11.1–.89 64.70N–.03 31.03E–.05 0 43 1-10
MOS IX 27 10 00 12.0–.60 64.70N–.05 31.00E–.03 0 1.7 ¶621140702
HEL IX 27 10 00 12.3–.10 64.68N 30.72E 0 1.7L
IDC IX 27 10 00 12.3–3.2 64.62N 31.04E 0 2.9,2.0L
KOGSR IX 27 10 00 13.7 64.72N 30.46E 0 2.1L,2.0L
ISC Event type km.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=3.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=41.0km s-min=11.4km az=100.0.
KOGSR Event type kh. Kostomuksha, Karelia.
(536) Sweden
ISC IX 27 10 49 59.0–.71 58.84N–.02 13.99E–.02 0 57 0-12
DNK IX 27 10 50 00.1–1.6 58.81N 14.00E 0 ¶621140704
IDC IX 27 10 50 00.2–3.1 58.88N 13.66E 0 3.1,2.2L
BER IX 27 10 50 01.4–1.4 58.85N 14.07E 0 3.1,2.2L
ISC Event type kh.
DNK Event type kh. Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0. Explosion.
IDC Error ellipse: s-maj=28.0km s-min=13.0km az=11.0.
BER Event type sh. Error ellipse: s-maj=4.4km s-min=19.4km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan
ISC IX 28 07 20 21.8–1.0 49.64N–.06 81.66E–.07 0 12 2-8
ASGSR IX 28 07 20 21.0–2.5 49.62N 81.76E 0 2.7 ¶621140807
IDC IX 28 07 20 23.3–1.3 49.74N 81.64E 0 2.4,1.8L
NNC IX 28 07 20 27.0–3.0 49.75N 81.60E 0 3.1b,2.8
SOME IX 28 07 20 30.3 49.37N 81.48E 3.1b,2.8
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=15.4km s-min=10.1km az=86.0.
NNC Event type sm. Error ellipse: s-maj=41.9km s-min=10.7km az=53.0. Suspected Mining explosion.
SOME Event type kx.
(326) Southwestern Siberia
ASGSR IX 28 09 00 17.0–.80 54.20N 87.24E 0 2.6
IDC IX 28 09 00 18.6–4.4 54.25N 87.38E 0 2.7,2.4L ¶621140819
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=38.5km s-min=21.6km az=63.0.
(326) Southwestern Siberia
IDC IX 28 09 19 15.7–3.4 54.07N 86.62E 0 3.0,2.7L
ASGSR IX 28 09 19 14.0–1.8 54.08N 86.66E 0 2.7,2.7L ¶621140820
IDC Error ellipse: s-maj=26.7km s-min=15.0km az=75.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC IX 28 09 50 20.1–3.6 54.00N 86.51E 0 3.0,2.6L
ASGSR IX 28 09 50 17.0–.90 54.04N 86.53E 0 2.6,2.6L ¶625333571
IDC Error ellipse: s-maj=30.9km s-min=14.1km az=77.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 28 10 29 20.0–.92 64.82N–.03 30.61E–.05 0 35 1-6
HEL IX 28 10 29 20.9–.20 64.80N 30.66E 0 2.0L ¶625333542
KOGSR IX 28 10 29 21.0–.50 64.7N–.10 30.9E–.20 0 2.6
ISC Event type km.
HEL Event type kh. Explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(721) Finland
HEL IX 28 10 30 06.8–.50 66.47N 24.68E 0 1.1L

¶626449223
HEL Event type kh. Error ellipse: s-maj=4.1km s-min=10.4km az=-1.0. Explosion.
(536) Sweden
ISC IX 28 13 19 45.1–.89 67.78N–.04 20.28E–.04 0 19 0-8
UPP IX 28 13 19 45.2–.00 67.82N 20.22E 0 2.5L ¶621140832
IDC IX 28 13 19 47.5–1.6 67.84N 20.41E 0 3.1,2.3L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=20.6km s-min=10.6km az=118.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 28 16 24 51.4–1.8 61.07N–.07 29.75E–.09 0 16 1-9
HEL IX 28 16 24 52.3–.40 61.11N 29.81E 0 1.4L ¶621140836
IDC IX 28 16 24 55.6–6.1 60.96N 29.41E 0 3.3,2.4L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=2.7km az=-1.0. Explosion.
IDC Error ellipse: s-maj=57.8km s-min=25.7km az=160.0.
(536) Sweden
ISC IX 28 17 00 24.6–.88 67.06N–.03 20.95E–.03 0 34 0-8
UPP IX 28 17 00 24.9–.10 67.06N 20.96E 0 2.3L ¶621112124
IDC IX 28 17 00 25.6–1.3 67.16N 20.90E 0 3.0,2.0L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.6km s-min=10.4km az=113.0.
(548) Poland
PRU IX 28 19 45 42.5 50.24N 18.73E 0
IPEC IX 28 19 45 41.4–.20 50.20N 18.78E 1 2.2L ¶621115343
BRA IX 28 19 45 43.8–.59 50.12N 18.79E 10 1.5L
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.0km az=7.0.
BRA Event type kr. Error ellipse: s-maj=3.4km s-min=1.6km az=0.0. Mining induced.
(548) Poland
ISC IX 28 23 34 11.7–.62 50.27N–.03 19.01E–.02 0 125 1-40
IDC IX 28 23 34 11.0–.88 50.13N 19.20E 0 3.4b,3.2 ¶621112429
MCSM IX 28 23 34 12.9–.60 50N–6.0 19E–3.0 3–7 2.9,3.2
IPEC IX 28 23 34 13.5–.21 50.20N 18.97E 1 2.9L,3.2
DNK IX 28 23 34 14.4–1.5 50.30N 18.75E 0 3.0L,3.2
VIE IX 28 23 34 14.9–.45 50.19N 18.78E 0 2.8L,2.3b
PRU IX 28 23 34 14.1 50.21N 18.90E 0 2.8L,2.3b
ISC Event type sr.
IDC Error ellipse: s-maj=15.4km s-min=7.7km az=154.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=0.9km az=10.0.
DNK Event type sh. Error ellipse: s-maj=16.1km s-min=47.0km az=-1.0. Suspected explosion.
VIE Event type sr. Error ellipse: s-maj=3.5km s-min=2.6km az=92.0. 16 km WSW of Katowice . Suspected Mining induced.
PRU Event type ki.
(326) Southwestern Siberia
IDC IX 29 08 22 42.2–1.5 51.16N 80.87E 0 2.2,1.9L
ASGSR IX 29 08 22 35.0–1.3 51.34N 81.17E 0 2.3,1.9L ¶621146359
IDC Error ellipse: s-maj=16.2km s-min=12.8km az=122.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(548) Poland
ISC IX 29 08 35 20.6–.78 50.11N–.04 19.12E–.02 0 55 1-20
IDC IX 29 08 35 19.9–1.1 50.30N 19.12E 0 3.1,2.9L ¶621115350
IPEC IX 29 08 35 20.6–.21 50.18N 19.14E 1 2.6L,2.9L
PRU IX 29 08 35 21.7 50.20N 19.07E 0 2.6L,2.9L
BRA IX 29 08 35 23.9–.59 50.05N 19.06E 17–3 2.5L,2.9L
ISC Event type kr.
IDC Error ellipse: s-maj=24.3km s-min=9.1km az=159.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=0.9km az=13.0.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=4.6km s-min=1.9km az=0.0. Mining induced.
(326) Southwestern Siberia
ASGSR IX 29 09 05 14.0–.80 54.36N 86.75E 0 2.6
IDC IX 29 09 05 12.9–4.5 54.61N 86.93E 0 3.1,2.8L ¶621146363
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=42.9km s-min=22.1km az=57.0.
(536) Sweden
HEL IX 29 09 51 56.0–.30 67.63N 20.91E 0 1.3L
¶635706658
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=7.8km az=-1.0. Suspected explosion.
(536) Sweden
UPP IX 29 09 52 30.3–.10 67.64N 21.05E 0 2.2L
¶621742580
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(548) Poland
ISC IX 29 10 03 24.5–.95 50.19N–.04 18.96E–.03 0 44 1-4
IPEC IX 29 10 03 24.1–.21 50.22N 18.98E 1 2.4L ¶621115351
VIE IX 29 10 03 24.6–.89 50.31N 18.85E 0 2.7L,2.3b
PRU IX 29 10 03 25.5 50.21N 18.84E 0 2.7L,2.3b
BRA IX 29 10 03 25.7–.73 50.20N 18.91E 14–4 2.1L,2.3b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=0.9km az=10.0.
VIE Event type sr. Error ellipse: s-maj=6.0km s-min=4.3km az=79.0. 11 km NW of Katowice . Suspected Mining induced.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=4.7km s-min=2.4km az=0.0. Mining induced.
(329) Eastern Kazakhstan
ISC IX 29 11 06 37.5–1.3 52.18N–.08 76.38E–.05 0 10 2-7
NNC IX 29 11 06 38.6–3.6 51.69N 75.66E 0 3.5b,3.0 ¶621146370
IDC IX 29 11 06 42.8–1.6 51.42N 76.08E 0 2.7,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=32.0km s-min=18.0km az=170.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.7km s-min=13.0km az=39.0.
(326) Southwestern Siberia
ISC IX 29 12 50 40.1–.72 53.84N–.02 88.23E–.02 0 80 0-8
ASGSR IX 29 12 50 39.3 54N–1.0 88E–1.0 1–1 3.1 ¶624940941
NNC IX 29 12 50 41.0–2.3 53.72N 88.27E 0 3.8b,3.4
ISC Event type sm.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/Polysaevo_Velocity_Model. manual. confirmed.
NNC Event type sm. Error ellipse: s-maj=17.6km s-min=10.0km az=57.0. Suspected Mining explosion.
(536) Sweden
ISC IX 29 12 51 16.7–.89 63.86N–.03 16.49E–.03 0 24 1-3
BER IX 29 12 51 12.3–2.1 63.28N 16.22E 0 ¶621742582
UPP IX 29 12 51 17.9–.20 63.82N 16.46E 0 2.7L
DNK IX 29 12 51 18.1–.35 63.82N 16.45E 0 2.7L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=14.8km s-min=19.8km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC IX 29 15 37 39.2–1.0 67.59N–.04 34.11E–.04 0 23 0-12
BER IX 29 15 37 31.9–2.1 67.75N 36.77E 0 ¶621146382
KOGSR IX 29 15 37 40.0–.50 67.62N–.01 34.10E–.05 0 2.3
IDC IX 29 15 37 44.8–3.5 67.57N 33.35E 0 2.9,2.0L
ISC Event type km.
BER Event type sh. Error ellipse: s-maj=24.7km s-min=53.9km az=-1.0. Suspected explosion.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=36.9km s-min=12.8km az=82.0.
(536) Sweden
ISC IX 30 01 14 17.3–.76 67.17N–.02 20.79E–.02 0 57 0-8
UPP IX 30 01 14 18.2–.00 67.18N 20.64E 0 2.5L ¶621147734
HEL IX 30 01 14 18.7–.00 67.17N 20.62E 1 2.5L,1.5L
IDC IX 30 01 14 19.5–1.4 67.18N 21.15E 0 2.8,1.8L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=20.6km s-min=10.7km az=110.0.
(332) Northern Xinjiang

ISC IX 30 05 13 43.2–2.1 44.63N–.07 82.15E–.10 0 21 2-3
SOME IX 30 05 13 46.0 44.58N 81.93E 15 ¶624940954
NNC IX 30 05 13 46.5–1.4 44.69N 81.92E 0 3.5b,3.3
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.8km s-min=6.0km az=130.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC IX 30 07 18 17.8–2.0 54.69N 83.78E 0 3.1,2.6L
ASGSR IX 30 07 18 16.0–2.1 54.63N 83.64E 0 2.3,2.6L ¶621147747
IDC Error ellipse: s-maj=18.3km s-min=11.7km az=166.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(329) Eastern Kazakhstan
ISC IX 30 07 24 12.1–.94 50.06N–.06 78.75E–.10 0 28 1-5
NNC IX 30 07 24 11.2–.80 49.98N 78.69E 0 3.0b,2.6 ¶621147748
IDC IX 30 07 24 12.8–1.5 50.01N 78.75E 0 2.8,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=15.1km s-min=4.1km az=76.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.5km s-min=9.8km az=66.0.
(326) Southwestern Siberia
IDC IX 30 08 20 12.0–3.4 53.57N 87.56E 0 3.2,2.7L
ASGSR IX 30 08 20 08.0–2.4 53.54N 87.58E 0 2.7,2.7L ¶621147752
IDC Error ellipse: s-maj=26.5km s-min=17.4km az=74.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(329) Eastern Kazakhstan
ISC IX 30 08 31 11.0–1.3 50.03N–.05 82.23E–.07 0 10 2-4
IDC IX 30 08 31 14.4–1.5 49.79N 81.74E 0 2.6,1.8L ¶621147754
NNC IX 30 08 31 17.1–1.2 49.99N 81.98E 0 2.4b,2.0
ISC Event type sm.
IDC Error ellipse: s-maj=19.0km s-min=11.8km az=66.0.
NNC Event type sm. Error ellipse: s-maj=17.9km s-min=4.3km az=43.0. Suspected Mining explosion.
(555) Western Arabian Peninsula
GII IX 30 09 04 36.4–.00 29.799N–.00 36.301E–.00 0
JSO IX 30 09 04 47.6 30.30N 35.30E 21 2.1 ¶625388145
GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
JSO Dead Sea Region . LOCSAT solution with earthmodel iasp91 (with start solution, 10 stations used, weight 10):. RMS-ERR: 1.837.
(536) Sweden
ISC IX 30 10 04 03.3–.85 56.29N–.03 12.98E–.04 0 34 0-2
UPP IX 30 10 04 04.1–.10 56.26N 13.03E 0 2.7L ¶621742594
DNK IX 30 10 04 04.5–.41 56.26N 13.02E 0 2.7L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Explosion.
(535) Southern Norway
BER IX 30 11 04 29.9–1.1 60.27N 9.06E 0
¶635706670
BER Event type sh. Error ellipse: s-maj=11.5km s-min=9.3km az=-1.0. Suspected explosion.
(536) Sweden
DNK IX 30 11 05 20.2–.32 55.62N 13.43E 0 0.9L
¶626255970
DNK Event type kh. Error ellipse: s-maj=3.0km s-min=2.9km az=-1.0. Explosion.
(537) Baltic Sea
ISC IX 30 11 17 32.5–.97 56.42N–.06 20.30E–.04 0 39 2-13
DNK IX 30 11 17 31.2–1.4 56.31N 20.44E 0 2.6L ¶626689929
LVSN IX 30 11 17 32.5–2.0 56.36N 20.29E 0–12 2.4L
UPP IX 30 11 17 34.5–2.5 56.44N 20.15E 0 2.7L
IDC IX 30 11 17 39.0–3.1 56.79N 20.02E 0 3.1,2.3L
BER IX 30 11 17 38.9–.55 56.53N 19.82E 0 3.1,2.3L
ISC Event type sh.
DNK Event type sh. Error ellipse: s-maj=5.7km s-min=14.1km az=-1.0. Suspected explosion.
LVSN Event type se. Error ellipse: s-maj=10.5km s-min=48.2km az=-1.0. Presumed earthquake.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=28.8km s-min=14.4km az=179.0.
BER Event type sh. Error ellipse: s-maj=15.8km s-min=20.9km az=-1.0. Suspected explosion.
(536) Sweden
ISC IX 30 12 51 52.4–.76 64.75N–.02 21.10E–.03 0 54 0-4
HEL IX 30 12 51 52.2–.20 64.75N 21.04E 0 1.6L ¶621742596
DNK IX 30 12 51 52.6–.55 64.75N 21.09E 0 2.5L
UPP IX 30 12 51 52.1–.10 64.74N 21.09E 0 2.5L
BER IX 30 12 51 56.7–5.0 64.73N 20.69E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=3.6km az=-1.0. Explosion.
DNK Event type kh. Error ellipse: s-maj=1.2km s-min=3.8km az=-1.0. Explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=73.5km s-min=149.5km az=-1.0. Suspected explosion.
(536) Sweden
UPP IX 30 17 00 10.7–.10 67.07N 20.92E 0 2.3L
¶635706654
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(535) Southern Norway
BER IX 30 17 00 24.8–.57 59.67N 10.43E 0
¶621742598
BER Event type sh. Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0. Suspected explosion.
(548) Poland
BRA X 01 00 32 51.8–.90 50.21N 18.96E 13–5
PRU X 01 00 32 50.9 50.29N 18.98E 0 ¶621118187
BRA Event type kr. Error ellipse: s-maj=6.0km s-min=2.9km az=0.0. Mining induced.
PRU Event type ki.
(326) Southwestern Siberia
IDC X 01 05 20 14.2–3.4 54.27N 86.11E 0 3.1,2.9L
ASGSR X 01 05 20 10.0–1.3 54.33N 86.15E 0 2.7,2.9L ¶621147811
IDC Error ellipse: s-maj=26.1km s-min=11.9km az=64.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(721) Finland
HEL X 01 07 17 09.0–.10 64.21N 23.92E 0 1.3L
¶625424164
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.6km az=-1.0. Explosion.
(326) Southwestern Siberia
ASGSR X 01 09 09 54.0–1.1 54.19N 87.25E 0 2.7
IDC X 01 09 09 57.7–4.2 54.29N 87.19E 0 2.8,2.4L ¶625333692
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.1km s-min=21.2km az=66.0.
(536) Sweden
HEL X 01 11 30 25.7–.00 59.63N 16.45E 0 1.3L
¶635806548
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
(535) Southern Norway
BER X 01 11 30 58.6–.49 60.71N 5.54E 0
¶626726415
BER Event type sh. Suspected explosion.
(713) Central Kazakhstan
NNC X 01 11 35 57.0–.47 42.66N 70.06E 0 1.4
¶635806521
NNC Event type sm. Error ellipse: s-maj=27.4km s-min=2.4km az=126.0. Suspected Mining explosion.
(716) Kyrgyzstan
KRNET X 01 11 36 56.8–.10 41.37N 71.11E 2.0b
¶624925661
KRNET Event type kh.
(721) Finland
HEL X 01 16 00 57.1–.00 65.76N 24.68E 0 0.6L
¶626726401
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Explosion.
(722) Norway-Murmansk border region
BER X 01 16 01 24.2–1.4 69.60N 30.54E 0
¶635806540
BER Event type sh. Error ellipse: s-maj=14.5km s-min=32.4km az=-1.0. Suspected explosion.
(464) Minnesota

ISC X 01 17 14 18.6–.98 47.70N–.05 92.42W–.05 0 16 1-13
NEIC X 01 17 14 20.5–.32 47.58N–.02 92.56W–.07 0–2 2.8L,2.7 ¶621147837
IDC X 01 17 14 22.6–4.9 47.90N 92.34W 0 2.6,0.6L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=7.7km s-min=3.8km az=279.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.4km s-min=24.8km az=79.0.
(456) Montana
ISC X 02 00 21 34.7–1.0 45.05N–.06 106.93W–.04 0 28 2-9
NEIC X 02 00 21 33.9–2.5 45.13N–.02 106.76W–.04 0–1 2.5L ¶621186033
IDC X 02 00 21 36.0–1.7 44.70N 106.54W 0 3.2,2.9L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=5.1km s-min=2.7km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.9km s-min=12.4km az=139.0.
(547) Czech and Slovak Republics
ISC X 02 06 18 15.4–.79 49.79N–.03 18.53E–.02 0 82 0-4
VIE X 02 06 18 14.4–2.1 49.84N 18.65E 0 2.5L,2.1b ¶621118290
BRA X 02 06 18 17.0–.41 49.82N 18.52E 6–4 2.5L,2.1b
IPEC X 02 06 18 16.0–.29 49.82N 18.55E 1 2.1L,2.1b
PRU X 02 06 18 17.4 49.82N 18.44E 0 2.1L,2.1b
KRSZO X 02 06 18 19.5–1.6 49.64N 18.59E 21–10 2.2L,2.1b
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=14.8km s-min=9.0km az=73.0. 28 km E of Ostrava . Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=2.7km s-min=2.3km az=0.0. Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=67.0.
PRU Event type ki. Mining Induced Event Csm, E=7.9e+05.
KRSZO Event type ke. Error ellipse: s-maj=12.7km s-min=6.6km az=171.0.
(460) Wyoming
ISC X 02 19 46 12.7–1.3 43.77N–.06 105.21W–.07 0 29 1-9
NEIC X 02 19 46 12.3–1.7 43.72N–.06 105.31W–.06 0–1 2.8L ¶621186084
IDC X 02 19 46 14.1–2.0 44.20N 105.76W 0 3.4,3.3L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.4km s-min=7.8km az=11.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.6km s-min=14.6km az=146.0.
(536) Sweden
UPP X 02 23 15 34.2–.00 67.85N 20.21E 0 2.0L
¶621742619
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(536) Sweden
HEL X 02 23 16 06.7–.70 67.87N 20.22E 0 1.4L
¶635806508
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=4.6km az=-1.0. Explosion.
(713) Central Kazakhstan
ISC X 03 03 44 33.4–1.1 51.01N–.10 73.61E–.09 0 9 3-9
NNC X 03 03 44 33.0–.82 50.87N 73.66E 0 3.2b,2.9 ¶621186109
IDC X 03 03 44 33.3–1.9 51.11N 73.74E 0 2.8,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=9.6km s-min=7.4km az=23.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=37.4km s-min=11.5km az=36.0.
(329) Eastern Kazakhstan
ISC X 03 07 20 53.7–1.1 50.44N–.07 79.50E–.07 0 8 1-6
NNC X 03 07 20 53.0–1.1 49.98N 78.63E 0 2.9b,2.4 ¶621186118
IDC X 03 07 20 54.5–1.5 50.02N 78.78E 0 2.6,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=23.1km s-min=3.2km az=77.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.0km s-min=10.4km az=67.0.
(584) South Africa
PRE X 03 13 13 26.5–.96 26.15S 29.24E 0 2.2L
BGSI X 03 13 13 34.2–1.5 24.50S 29.39E 234–88 2.6L ¶624894639
PRE Event type sh. Error ellipse: s-maj=2.3km s-min=1.8km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=24.0km s-min=53.4km az=-1.0. Presumed earthquake.
(460) Wyoming
ISC X 03 19 19 08.2–1.2 43.50N–.07 105.36W–.06 0 15 1-9
NEIC X 03 19 19 08.0–1.2 43.46N–.03 105.44W–.05 0–1 2.7L ¶621186145
IDC X 03 19 19 11.9–2.6 43.87N 105.66W 0 2.9,2.6L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=7.6km s-min=2.8km az=232.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=63.7km s-min=13.7km az=146.0.
(460) Wyoming
ISC X 03 22 28 51.2–1.1 43.69N–.05 105.30W–.05 0 45 1-9
NEIC X 03 22 28 50.1–.62 43.69N–.05 105.39W–.05 0–1 3.1L ¶621186151
IDC X 03 22 28 53.8–2.1 44.19N 105.80W 0 3.8,3.6L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.0km s-min=3.5km az=323.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.9km s-min=11.2km az=144.0.
(326) Southwestern Siberia
IDC X 04 07 05 05.2–3.1 54.77N 87.22E 0 3.0,2.9L
ASGSR X 04 07 05 10.0–1.5 54.36N 86.83E 0 2.4,2.9L ¶621203102
IDC Error ellipse: s-maj=43.9km s-min=17.2km az=173.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC X 04 07 57 38.1–4.7 53.55N 90.85E 0 2.7,2.4L
ASGSR X 04 07 57 31.0–2.4 53.73N 91.07E 0 2.3,2.4L ¶621203105
IDC Error ellipse: s-maj=48.9km s-min=28.0km az=46.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC X 04 08 14 42.1–4.4 53.77N 88.15E 0 2.8,2.3L
ASGSR X 04 08 14 40.0–1.2 53.72N 88.09E 0 2.6,2.3L ¶621203109
IDC Error ellipse: s-maj=40.1km s-min=23.0km az=52.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(547) Czech and Slovak Republics
KRSZO X 04 08 46 18.3–.86 48.41N 19.35E 0 1.6L
BRA X 04 08 46 21.3–.38 48.47N 19.35E 0 0.9L ¶625424266
KRSZO Event type sx. Error ellipse: s-maj=5.0km s-min=3.1km az=8.0. Suspected Explosion.
BRA Event type sm. Error ellipse: s-maj=2.6km s-min=1.9km az=0.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC X 04 09 59 43.4–3.3 53.57N 88.06E 0 2.7,2.4L
ASGSR X 04 09 59 46.0–1.3 53.65N 87.84E 0 2.7,2.4L ¶621203114
IDC Error ellipse: s-maj=27.8km s-min=23.0km az=53.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(584) South Africa
PRE X 04 14 30 33.2–.77 26.56S 29.52E 0 2.4L
BGSI X 04 14 30 29.5–1.5 26.50S 30.32E 31–41 2.9L ¶624894644
PRE Event type sh. Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=7.7km s-min=13.8km az=-1.0. Presumed earthquake.
(547) Czech and Slovak Republics
ISC X 04 19 08 01.5–.76 49.82N–.03 18.51E–.02 0 112 0-6
VIE X 04 19 08 01.7–1.2 49.90N 18.49E 0 3.6s,2.6L ¶621131558
IPEC X 04 19 08 01.9–.32 49.83N 18.54E 1 2.3L,2.6L
PRU X 04 19 08 03.2 49.87N 18.50E 0 2.3L,2.6L
KRSZO X 04 19 08 03.1–1.2 49.76N 18.46E 11–13 2.4L,2.6L
BRA X 04 19 08 03.1–.40 49.80N 18.49E 10 1.7L,2.6L
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=9.1km s-min=5.2km az=80.0. 18 km ENE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.7km az=57.0.
PRU Event type ki. Mining Induced Event Csm, E=4.8e+05.
KRSZO Event type ke. Error ellipse: s-maj=9.4km s-min=5.1km az=11.0.
BRA Event type kr. Error ellipse: s-maj=2.4km s-min=1.4km az=0.0. Mining induced.

(326) Southwestern Siberia
ISC X 04 20 03 12.1–.74 54.67N–.03 83.64E–.02 0 43 0-12
ASGSR X 04 20 03 10.4–.31 55N–2.0 84E–2.0 3–2 3.2 ¶624925745
NNC X 04 20 03 13.7–3.6 54.66N 83.35E 0 3.8b,3.6
ISC Event type sm.
ASGSR Event type ke. Error ellipse: s-maj=6.3km s-min=1.8km az=34.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type sm. Error ellipse: s-maj=28.5km s-min=22.9km az=84.0. Suspected Mining explosion.
(548) Poland
PRU X 05 00 35 54.2 50.33N 19.09E 0 ¶625074274
PRU Event type ki.
(713) Central Kazakhstan
ISC X 05 06 27 58.0–.74 42.81N–.03 70.83E–.02 0 58 0-4
NNC X 05 06 27 56.8–.65 42.81N 70.85E 0 3.1,3.0b ¶622411165
SOME X 05 06 27 58.0 42.83N 70.92E 20 3.1,3.0b
KRNET X 05 06 27 58.4–.10 42.77N 70.94E 13 2.8b,3.0b
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=5.4km s-min=2.6km az=73.0. Suspected Mining explosion.
(721) Finland
HEL X 05 09 43 31.6–.10 60.48N 26.23E 0 1.3L ¶626726453
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.3km az=-1.0. Explosion.
(584) South Africa
PRE X 05 12 14 31.4–1.3 26.09S 29.30E 0 2.1L
BGSI X 05 12 14 31.7–1.2 25.89S 29.84E 0–16 2.9L ¶624894647
PRE Event type sh. Error ellipse: s-maj=3.0km s-min=2.4km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=5.8km s-min=15.6km az=-1.0. Presumed earthquake.
(584) South Africa
PRE X 05 14 57 34.1–.85 25.79S 29.52E 0 1.9L
BGSI X 05 14 57 33.1–1.6 25.60S 30.25E 10–24 2.4L ¶624894648
PRE Event type sh. Error ellipse: s-maj=1.7km s-min=1.5km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=7.5km s-min=22.3km az=-1.0. Presumed earthquake.
(536) Sweden
ISC X 05 17 07 47.9–.81 67.02N–.03 21.08E–.04 0 23 0-8
UPP X 05 17 07 48.8–.10 67.05N 20.97E 0 2.3L ¶621125911
IDC X 05 17 07 50.1–1.2 66.95N 21.46E 0 2.8,2.0L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.2km s-min=9.4km az=110.0.
(329) Eastern Kazakhstan
ISC X 06 07 23 55.6–1.1 50.01N–.06 78.7E–.10 0 27 1-6
NNC X 06 07 23 54.6–.52 50.00N 78.66E 0 3.2b,2.7 ¶621217132
IDC X 06 07 23 55.9–1.4 50.03N 78.79E 0 2.8,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=11.0km s-min=2.6km az=77.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.4km s-min=10.1km az=69.0.
(326) Southwestern Siberia
IDC X 06 08 40 03.3–3.2 53.65N 87.99E 0 2.8,2.5L
ASGSR X 06 08 40 01.0–1.3 53.64N 87.91E 0 2.7,2.5L ¶621217135
IDC Error ellipse: s-maj=24.5km s-min=18.8km az=81.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC X 06 09 05 04.5–4.5 54.46N 86.08E 0 3.0,2.2L
ASGSR X 06 09 05 02.0–1.2 54.40N 86.10E 0 2.4,2.2L ¶621217138
IDC Error ellipse: s-maj=36.7km s-min=13.9km az=53.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC X 06 09 29 52.6–3.7 54.36N 86.46E 0 2.9,2.7L
ASGSR X 06 09 29 55.0 54.27N 86.15E 0 2.6,2.7L ¶621217140
IDC Error ellipse: s-maj=28.4km s-min=15.1km az=61.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC X 06 09 35 08.1–3.4 53.65N 87.08E 0 2.7,2.5L
ASGSR X 06 09 35 08.0–1.1 53.66N 86.84E 0 2.3,2.5L ¶621217142
IDC Error ellipse: s-maj=34.4km s-min=18.3km az=88.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC X 06 09 40 16.3–3.4 53.73N 86.97E 0 2.8,2.4L
ASGSR X 06 09 40 16.0–1.7 53.65N 86.77E 0 2.4,2.4L ¶621217143
IDC Error ellipse: s-maj=35.0km s-min=18.7km az=81.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(713) Central Kazakhstan
ISC X 06 12 20 13.7–1.8 43.61N–.05 69.7E–.10 0 23 1-9
NNC X 06 12 20 12.6–1.1 43.65N 69.60E 0 4.2b,3.4 ¶622411193
KRNET X 06 12 20 14.7–.10 43.80N 69.08E 3.5b,3.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.4km s-min=4.2km az=106.0. Suspected Mining explosion.
(456) Montana
ISC X 06 21 06 08.1–1.5 45.14N–.06 106.86W–.06 0 50 2-9
NEIC X 06 21 06 06.8–1.3 45.19N–.04 106.84W–.05 0–1 3.5L,3.3L ¶621217171
IDC X 06 21 06 08.4–1.7 44.87N 106.67W 0 3.9,3.6L
BUT X 06 21 06 08.4–1.6 45.14N–.04 106.94W–.05 -2–1 3.9,3.6L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type sm. hypocenter. manual.
(326) Southwestern Siberia
IDC X 07 07 00 21.2–3.4 54.17N 86.30E 0 2.9,2.7L
ASGSR X 07 07 00 17.0–.60 54.20N 86.41E 0 2.5,2.7L ¶621217194
IDC Error ellipse: s-maj=26.0km s-min=11.9km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(721) Finland
ISC X 07 07 30 41.7–.71 63.94N–.02 28.19E–.04 0 65 1-13
BER X 07 07 30 35.1–.38 63.25N 28.84E 0 1.9L ¶621126677
HEL X 07 07 30 41.7–.10 63.97N 28.10E 0 1.9L
IDC X 07 07 30 43.8–1.7 63.96N 28.18E 0 3.0,2.0L
ISC Event type sh.
BER Event type sh. Error ellipse: s-maj=48.4km s-min=86.3km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=2.7km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=29.9km s-min=11.9km az=95.0.
(329) Eastern Kazakhstan
ISC X 07 07 34 00.1–.92 49.99N–.05 78.89E–.08 0 27 1-6
NNC X 07 07 33 58.5–.45 49.97N 78.78E 0 3.1b,2.8 ¶621217200
IDC X 07 07 34 01.1–1.2 50.03N 78.83E 0 2.7,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=11.2km s-min=2.2km az=75.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.9km s-min=8.8km az=42.0.
(329) Eastern Kazakhstan
ISC X 07 07 42 56.0–1.3 50.3N–.10 76.23E–.06 0 8 2-6
IDC X 07 07 42 53.6–1.7 50.21N 76.15E 0 2.6,1.8L ¶621217201
NNC X 07 07 42 56.1–2.3 50.23N 76.23E 0 2.7b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=22.3km s-min=11.0km az=31.0.
NNC Event type sm. Error ellipse: s-maj=17.9km s-min=15.6km az=157.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC X 07 07 44 45.8–2.1 54.76N 83.60E 0 2.8,2.1L
ASGSR X 07 07 44 44.0–1.4 54.74N 83.74E 0 2.3,2.1L ¶621217202
IDC Error ellipse: s-maj=19.4km s-min=12.7km az=167.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC X 07 08 03 49.1–1.9 54.66N 83.77E 0 3.0,2.5L
ASGSR X 07 08 03 45.0–1.5 54.74N 83.80E 0 2.3,2.5L ¶621217205
IDC Error ellipse: s-maj=17.9km s-min=11.4km az=162.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
HEL X 07 08 26 16.9–.40 59.35N 27.32E 0 1.5L
LVSN X 07 08 26 10.8–2.0 59.38N 29.23E 0–390 1.5L ¶625388185
EST X 07 08 26 14.8–.10 59.22N 27.95E 0 1.6L
HEL Event type kh. Error ellipse: s-maj=2.2km s-min=9.7km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=24.6km s-min=727.6km az=-1.0. Presumed earthquake.
EST Event type kh. Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0. Explosion.
(536) Sweden
ISC X 07 12 04 36.3–.76 64.72N–.02 20.90E–.03 0 43 0-11
UPP X 07 12 04 36.5–.10 64.71N 20.93E 0 2.4L ¶621217213
HEL X 07 12 04 37.2–.20 64.70N 20.89E 0 1.3L
IDC X 07 12 04 53.9–3.2 64.39N 21.88E 0 3.0,1.6L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=3.8km az=-1.0. Explosion.
IDC Error ellipse: s-maj=55.4km s-min=17.0km az=73.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL X 07 12 41 19.2–.00 59.59N 24.61E 0 1.0L
EST X 07 12 41 18.9–.00 59.57N 24.59E 0 1.0L ¶625388186
LVSN X 07 12 41 23.5–3.9 59.45N 23.42E 0–19 1.9L
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
EST Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=21.4km s-min=54.4km az=-1.0. Presumed earthquake.
(584) South Africa
PRE X 07 15 22 17.6–.76 26.23S 28.85E 0 2.1L
BGSI X 07 15 22 19.6–1.6 26.41S 29.33E 123–124 2.8L ¶624894655
PRE Event type sh. Error ellipse: s-maj=1.8km s-min=1.4km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=6.6km s-min=23.2km az=-1.0. Presumed earthquake.
(456) Montana
ISC X 07 15 49 12.3–.98 45.83N–.06 106.63W–.06 0 44 1-8
NEIC X 07 15 49 11.6–1.8 45.77N–.04 106.74W–.07 0–1 3.3L ¶621217222
IDC X 07 15 49 13.1–1.4 45.91N 106.72W 0 3.6,1.8L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.9km s-min=6.5km az=125.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.2km s-min=11.4km az=139.0.
(460) Wyoming
ISC X 07 19 16 54.0–1.2 43.79N–.03 105.25W–.04 0 46 1-9
NEIC X 07 19 17 03.8–2.5 43.68N–.08 105.40W–.08 0–1 3.1L ¶621217235
IDC X 07 19 17 08.4–2.3 43.97N 105.78W 0 3.4,3.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=14.4km s-min=9.3km az=21.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.4km s-min=13.5km az=145.0.
(460) Wyoming
ISC X 07 22 02 37.9–1.2 44.08N–.07 105.17W–.08 0 15 2-9
NEIC X 07 22 02 36.4–2.7 44.18N–.06 105.1W–.10 0–1 2.7L ¶621217246
IDC X 07 22 02 42.2–2.4 44.16N 105.24W 0 3.2,2.7L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=13.5km s-min=9.4km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.8km s-min=13.4km az=145.0.
(548) Poland
ISC X 07 22 43 33.7–.73 50.34N–.03 18.80E–.02 0 91 0-12
IPEC X 07 22 43 34.8–.20 50.31N 18.78E 1 2.4L ¶621145486
IDC X 07 22 43 35.9–1.3 50.32N 18.68E 0 3.1,2.0L
VIE X 07 22 43 35.1–.70 50.33N 18.72E 0 2.5L,2.4b
BRA X 07 22 43 35.8–.67 50.29N 18.78E 13–3 2.5L,2.4b
PRU X 07 22 43 37.6 50.25N 18.58E 0 2.5L,2.4b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.0km az=179.0.
IDC Error ellipse: s-maj=23.1km s-min=9.5km az=149.0.
VIE Event type sr. Error ellipse: s-maj=4.9km s-min=2.7km az=63.0. 20 km WNW of Katowice . Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=4.7km s-min=2.0km az=0.0. Mining induced.
PRU Event type ki.
(326) Southwestern Siberia
IDC X 08 05 29 10.1–3.6 53.14N 91.19E 0 3.1,2.3L
ASGSR X 08 05 29 04.0–2.3 53.33N 91.46E 0 2.7,2.3L ¶621224633
IDC Error ellipse: s-maj=29.4km s-min=24.8km az=68.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC X 08 08 55 11.6–4.0 54.29N 86.16E 0 3.0,2.7L
ASGSR X 08 08 55 09.0–1.2 54.26N 86.17E 0 2.7,2.7L ¶621224640
IDC Error ellipse: s-maj=33.5km s-min=12.9km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(715) Tajikistan
ISC X 08 12 20 56.8–2.1 41.18N–.06 69.6E–.10 10 11 1-3
KRNET X 08 12 20 53.8–.10 41.24N 69.49E 2.5b ¶622411238
ISC Event type se.
(721) Finland
ISC X 08 12 29 55.6–.75 67.42N–.02 23.32E–.02 0 49 0-6
UPP X 08 12 29 56.0–.20 67.42N 23.34E 0 2.2L ¶621224656
HEL X 08 12 29 56.8–.10 67.42N 23.34E 0 1.6L
IDC X 08 12 29 57.6–1.9 67.46N 23.69E 0 2.9,2.3L
BER X 08 12 29 59.3–1.2 67.55N 23.24E 0 2.9,2.3L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0. Explosion.
IDC Error ellipse: s-maj=33.6km s-min=11.3km az=93.0.
BER Event type sh. Error ellipse: s-maj=13.6km s-min=29.9km az=-1.0. Suspected explosion.
(536) Sweden
ISC X 08 19 49 24.7–.76 67.85N–.02 20.26E–.02 0 61 0-8
HEL X 08 19 49 22.9–.30 67.83N 19.96E 0 1.6L ¶621224675
UPP X 08 19 49 24.4–.00 67.85N 20.21E 1 2.4L
IDC X 08 19 49 24.9–1.9 68.04N 19.92E 0 2.7,2.0L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=6.6km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.2km s-min=11.9km az=118.0.
(548) Poland
ISC X 08 21 56 53.6–.98 50.22N–.05 18.98E–.03 0 53 1-4
IPEC X 08 21 56 54.7–.21 50.19N 18.96E 1 2.5L ¶621145492
VIE X 08 21 56 54.1–.49 50.28N 18.92E 0 2.8L,2.3b
BRA X 08 21 56 55.0–.71 50.24N 18.99E 12–3 2.3L,2.3b
PRU X 08 21 56 55.9 50.17N 18.85E 0 2.3L,2.3b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=0.9km az=11.0.
VIE Event type sr. Error ellipse: s-maj=5.0km s-min=3.1km az=102.0. 6 km NW of Katowice . Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=4.8km s-min=2.0km az=0.0. Mining induced.
PRU Event type ki.
(548) Poland
ISC X 09 04 24 48.0–1.1 51.64N–.05 16.22E–.04 0 67 1-11
IPEC X 09 04 24 49.5–.18 51.57N 16.20E 1 1.9L ¶621145512
IDC X 09 04 24 49.5–1.6 51.60N 16.07E 0 2.9,2.2L
VIE X 09 04 24 50.2–.66 51.41N 16.94E 0 2.5b,2.4L
PRU X 09 04 24 52.1 51.47N 16.13E 0 2.5b,2.4L
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=68.0.
IDC Error ellipse: s-maj=21.9km s-min=13.0km az=120.0.
VIE Event type sr. Error ellipse: s-maj=5.6km s-min=3.9km az=143.0. 36 km N of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(548) Poland
ISC X 09 04 38 56.8–.87 51.55N–.03 16.19E–.03 0 74 1-5
DNK X 09 04 38 57.3–.82 51.47N 15.77E 5 2.2L ¶621145513

IPEC X 09 04 38 58.6–.18 51.46N 16.15E 1 2.4L
VIE X 09 04 38 59.8–.58 51.32N 16.88E 0 2.8L,2.5b
PRU X 09 04 39 00.0 51.42N 16.08E 0 2.8L,2.5b
ISC Event type sr.
DNK Event type se. Error ellipse: s-maj=8.0km s-min=43.1km az=-1.0. Presumed earthquake.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=64.0.
VIE Event type sr. Error ellipse: s-maj=3.8km s-min=3.3km az=179.0. 28 km NNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(373) Dead Sea region

GII X 09 06 06 11.8–.00 31.98N–.01 36.036E–.01 0
¶626540864

GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

(713) Central Kazakhstan

NNC X 09 11 53 30.2–3.0 43.62N 69.61E 0 3.7b,3.2
SOME X 09 11 53 28.6 43.68N 69.67E 3.7b,3.2 **¶624925902**
NNC Event type sm. Error ellipse: s-maj=16.5km s-min=11.4km az=136.0. Suspected Mining explosion.
SOME Event type kx.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR X 09 12 06 51.3 67.62N 34.01E 0 1.6L
¶625333927

KOGSR Event type kh. Error ellipse: s-maj=3.2km s-min=1.6km az=110.0. Khibiny, mines Koashva, Nyurkpakh.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR X 09 12 07 39.0 67.65N 33.75E 0 1.6L
¶635812053

KOGSR Event type kh. Error ellipse: s-maj=18.4km s-min=2.9km az=150.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR X 09 12 08 32.8 67.68N 33.72E 0 1.3L
¶635812052

KOGSR Event type kh. Error ellipse: s-maj=2.1km s-min=1.5km az=120.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR X 09 12 24 15.4 67.53N 30.59E 0 2.0L
HEL X 09 12 24 14.1–.10 67.56N 30.40E 0 1.7L **¶625333928**
BER X 09 12 24 17.0–.28 67.59N 30.25E 0 1.7L
KOGSR Event type kh. Error ellipse: s-maj=3.9km s-min=2.3km az=40.0. Kovdor City, Mines.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=2.8km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=9.8km s-min=40.6km az=-1.0. Suspected explosion.

(584) South Africa

PRE X 09 14 23 15.8–1.0 26.06S 29.25E 0 2.2L
BGSI X 09 14 23 07.1–1.1 26.16S 30.35E 14–81 2.8L **¶624894660**
PRE Event type sh. Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=35.5km s-min=62.5km az=-1.0. Presumed earthquake.

(548) Poland

ISC X 09 15 40 03.0–.91 51.72N–.04 16.15E–.03 0 71 1-12
IDC X 09 15 40 03.5–1.4 51.64N 16.07E 0 3.2,2.7L **¶621145519**
IPEC X 09 15 40 05.0–.18 51.63N 16.14E 1 2.7L,2.7L
PRU X 09 15 40 06.7 51.57N 16.10E 0 2.7L,2.7L
VIE X 09 15 40 06.2–.62 51.49N 16.82E 0 3.4s,2.9L
ISC Event type sr.
IDC Error ellipse: s-maj=19.8km s-min=12.7km az=125.0.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=67.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=8.2km s-min=3.7km az=122.0. 47 km NNW of Wroclaw . Suspected Mining induced.

(584) South Africa

ISC X 09 22 44 11.4–.78 24.57S–.03 27.40E–.03 0 42 1-8
PRE X 09 22 44 11.2–1.1 24.57S 27.39E 0 2.6L **¶624894661**
BGSI X 09 22 44 14.9–1.5 24.61S 27.47E 0–13 3.0L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=6.4km s-min=10.1km az=-1.0. Presumed earthquake.

(713) Central Kazakhstan

NNC X 10 11 56 24.8–.88 50.88N 73.75E 0 3.5b,3.2
¶624925934

NNC Event type sm. Error ellipse: s-maj=8.8km s-min=8.0km az=2.0. Suspected Mining explosion.

(547) Czech and Slovak Republics

PRU X 10 14 42 23.7 49.84N 18.36E 0
¶625074335

PRU Event type ki.

(320) Kyrgyzstan-Xinjiang border region

ISC X 10 20 50 06.2–1.1 41.89N–.05 78.44E–.04 0 77 0-6
KRNET X 10 20 50 05.7–.10 41.91N 78.41E 17 2.7b **¶622411295**
SOME X 10 20 50 05.6 41.88N 78.43E 10 2.7b
NNC X 10 20 50 07.5–1.1 41.96N 78.50E 0 3.2b,3.0
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.4km s-min=4.0km az=164.0. Suspected Mining explosion.

(320) Kyrgyzstan-Xinjiang border region

ISC X 11 02 35 03.1–1.9 41.47N–.08 78.65E–.06 0 44 1-3
KRNET X 11 02 35 03.0–.10 41.49N 78.63E 19 3.1b **¶622411297**
SOME X 11 02 35 02.5 41.50N 78.60E 5 3.1b
NNC X 11 02 35 03.3–.96 41.47N 78.62E 0 3.4b,3.0
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.4km s-min=4.4km az=162.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

HEL X 11 04 04 57.4–.30 67.78N 33.56E 0 1.1L
¶635806522

HEL Event type sh. Error ellipse: s-maj=4.0km s-min=4.7km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR X 11 04 05 28.6 67.67N 33.72E 0 1.2L
¶625346018

KOGSR Event type kh. Error ellipse: s-maj=1.7km s-min=1.1km az=130.0. Khibiny, mines Kirovsk, Yukspor.

(536) Sweden

HEL X 11 04 57 37.6–1.3 67.84N 20.18E 0 0.8L
¶626726584

HEL Event type sh. Error ellipse: s-maj=4.7km s-min=22.4km az=-1.0. Suspected explosion.

(329) Eastern Kazakhstan

ISC X 11 07 12 19.7–.89 50.07N–.05 78.74E–.05 0 32 1-6
NNC X 11 07 12 18.0–.56 50.00N 78.82E 0 3.3b,2.8 **¶621236864**
IDC X 11 07 12 19.3–1.4 50.03N 78.78E 0 2.6,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=8.3km s-min=2.9km az=79.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.9km s-min=9.9km az=72.0.

(326) Southwestern Siberia

IDC X 11 08 09 38.3–4.6 53.82N 88.31E 0 2.8,2.4L
ASGSR X 11 08 09 38.0–1.7 53.67N 88.17E 0 2.6,2.4L **¶621236868**
IDC Error ellipse: s-maj=42.4km s-min=23.7km az=50.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(535) Southern Norway

BER X 11 11 08 02.9–.47 61.78N 5.16E 0 0.9L
¶635806541

BER Event type sh. Error ellipse: s-maj=1.5km s-min=4.4km az=-1.0. Suspected explosion.

(721) Finland

HEL X 11 11 08 22.5–.00 60.00N 23.40E 0 1.5L
¶626726591

HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0. Explosion.

(721) Finland

HEL X 11 16 01 29.1–.10 65.78N 24.69E 0 0.9L
¶626726598

HEL Event type sh. Error ellipse: s-maj=0.6km s-min=1.5km az=-1.0. Suspected explosion.

(646) Northern Norway

BER X 11 16 01 42.7–.31 66.41N 14.67E 0 0.8L
¶635806542

BER Event type kh. Error ellipse: s-maj=2.0km s-min=5.4km az=-1.0. Explosion.

(722) Norway-Murmansk border region

HEL X 12 04 45 32.0–.20 69.36N 30.63E 0 1.4L
BER X 12 04 45 38.6–.30 69.66N 29.77E 0 1.4L **¶625346032**
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=4.1km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=5.4km s-min=23.1km az=-1.0. Suspected explosion.

(373) Dead Sea region

GII X 12 07 15 16.4–.00 31.730N–.00 35.008E–.00 0
¶626540913

GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

(724) Baltic States-Belarus-Northwestern Russia

ISC X 12 10 00 02.8–.97 64.85N–.03 30.88E–.05 0 65 1-10
KOGSR X 12 10 00 02.1 64.69N 31.03E 0 2.1L **¶621236941**
MOS X 12 10 00 03.0–.60 64.80N–.05 30.85E–.03 0 2.1L
HEL X 12 10 00 03.2–.20 64.77N 30.72E 0 2.0L
IDC X 12 10 00 04.2–2.6 64.75N 30.88E 0 3.2,2.2L
ISC Event type km.
KOGSR Event type kh. Error ellipse: s-maj=15.6km s-min=12.5km az=150.0. Kostomuksha, Karelia.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=4.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=31.4km s-min=11.4km az=101.0.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR X 12 10 32 55.1 67.66N 34.23E 0 1.9L
HEL X 12 10 32 54.9–.30 67.71N 34.23E 0 1.5L **¶625346031**
BER X 12 10 32 55.2–.81 67.56N 34.38E 0 1.5L
KOGSR Event type kh. Error ellipse: s-maj=5.0km s-min=1.3km az=140.0. Murmansk region, Kirovsk district .
HEL Event type sh. Error ellipse: s-maj=3.2km s-min=6.7km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=11.3km s-min=22.3km az=-1.0. Suspected explosion.

(332) Northern Xinjiang

ISC X 12 10 37 24.2–2.2 44.55N–.07 82.4E–.10 0 18 2-3
SOME X 12 10 37 27.0 44.55N 82.23E 15 **¶624926003**
NNC X 12 10 37 30.4–2.3 44.63N 82.03E 0 3.7b,3.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.6km s-min=12.4km az=135.0. Suspected Mining explosion.

(584) South Africa

PRE X 12 12 57 12.5–.93 26.37S 30.24E 0 2.2L
BGSI X 12 12 57 16.5–1.4 26.30S 30.20E 0–23 2.2L **¶624894666**
PRE Event type sh. Error ellipse: s-maj=3.3km s-min=3.6km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=8.3km s-min=21.3km az=-1.0. Presumed earthquake.

(721) Finland

ISC X 12 13 05 02.1–.72 60.05N–.03 21.39E–.02 0 90 1-10
DNK X 12 13 05 03.1–1.1 60.10N 21.49E 0 2.5L **¶621146411**
UPP X 12 13 05 03.8–.60 60.06N 21.34E 0 2.5L
HEL X 12 13 05 04.0–.00 60.08N 21.41E 0 2.0L
IDC X 12 13 05 06.1–2.2 60.22N 21.33E 0 2.9,1.9L
BER X 12 13 05 16.0–.27 60.85N 21.70E 0 2.9,1.9L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=6.8km s-min=9.5km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=39.2km s-min=12.0km az=166.0.
BER Event type sh. Error ellipse: s-maj=35.6km s-min=18.0km az=-1.0. Suspected explosion.

(646) Northern Norway

BER X 12 14 00 01.4–1.1 68.13N 19.81E 0
¶626726616

BER Event type sh. Error ellipse: s-maj=6.1km s-min=17.7km az=-1.0. Suspected explosion.

(723) Finland-Karelia border region

HEL X 12 14 00 52.2–.30 61.12N 29.88E 0 1.6L
¶635806549

HEL Event type sh. Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0. Suspected explosion.

(326) Southwestern Siberia

IDC X 13 07 00 03.6–3.1 53.58N 87.64E 0 2.9,2.7L
ASGSR X 13 07 00 00.0–1.5 53.57N 87.66E 0 2.8,2.7L **¶621238956**
IDC Error ellipse: s-maj=28.1km s-min=16.8km az=88.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

ISC X 13 07 17 27.8–1.3 49.68N–.05 81.69E–.06 0 10 2-5
IDC X 13 07 17 30.8–1.4 49.72N 81.58E 0 2.3,1.8L **¶621238958**
NNC X 13 07 17 31.2–1.2 49.64N 81.73E 0 3.0b,2.6
ISC Event type sm.
IDC Error ellipse: s-maj=15.9km s-min=10.3km az=80.0.
NNC Event type sm. Error ellipse: s-maj=16.9km s-min=2.9km az=54.0. Suspected Mining explosion.

(723) Finland-Karelia border region

HEL X 13 10 12 02.8–.20 64.69N 30.73E 0 1.5L
¶625334043

HEL Event type kh. Error ellipse: s-maj=0.7km s-min=3.5km az=-1.0. Explosion.

(721) Finland

HEL X 13 10 44 06.9–.10 62.85N 27.56E 0 1.2L
¶625424633

HEL Event type kh. Error ellipse: s-maj=0.8km s-min=1.9km az=-1.0. Explosion.

(721) Finland

HEL X 13 10 55 50.3–.10 61.10N 23.96E 0 1.4L
LVSN X 13 10 55 46.7–1.2 60.11N 23.70E 0–51 1.6L **¶625388209**
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=26.0km s-min=41.4km az=-1.0. Presumed earthquake.

(723) Finland-Karelia border region

HEL X 13 10 58 32.4–.30 61.17N 29.62E 0 1.5L
¶626726648

HEL Event type kh. Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0. Explosion.

(721) Finland

HEL X 13 10 59 29.0–.20 64.54N 24.59E 0 0.9L
¶626726649

HEL Event type kh. Error ellipse: s-maj=2.1km s-min=4.7km az=-1.0. Explosion.

(721) Finland

HEL X 13 10 59 38.1–.20 60.56N 25.10E 0 1.2L
¶626726650

HEL Event type sh. Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0. Suspected explosion.

(721) Finland

HEL X 13 11 00 07.3–.30 65.10N 25.70E 0 1.0L
¶626726653

HEL Event type sh. Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0. Suspected explosion.

(721) Finland

ISC X 13 12 05 04.4–.70 60.09N–.02 21.45E–.02 0 73 1-10
DNK X 13 12 05 06.8–1.3 60.09N 21.43E 0 2.5L **¶621147906**
LVSN X 13 12 05 06.0–1.6 60.09N 21.52E 0–4 2.5L
IDC X 13 12 05 07.5–1.9 60.09N 21.42E 0 3.0,2.0L
UPP X 13 12 05 07.3–.50 60.04N 21.30E 0 2.5L,2.0L
HEL X 13 12 05 07.1–.10 60.06N 21.42E 0 2.2L,2.0L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=7.0km s-min=10.8km az=-1.0. Suspected explosion.
LVSN Event type se. Error ellipse: s-maj=3.7km s-min=15.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=26.4km s-min=9.6km az=165.0.
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.5km az=-1.0. Explosion.

(536) Sweden

ISC X 13 12 58 58.2–.81 67.83N–.03 20.24E–.03 0 30 0-4
UPP X 13 12 58 58.2–.00 67.83N 20.21E 0 2.5L **¶621742727**
HEL X 13 12 58 58.5–.30 67.80N 20.14E 0 0.9L
ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=6.5km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC X 13 12 59 59.9–.73 59.64N–.02 24.54E–.02 0 54 0-10
IDC X 13 13 00 00.3–2.9 59.45N 24.76E 0 3.1,2.2L **¶621238972**
LVSN X 13 13 00 00.7–1.2 59.61N 24.57E 0–4 2.3L,2.2L
EST X 13 13 00 01.9–.00 59.61N 24.58E 0 1.8L,2.2L
HEL X 13 13 00 02.0–.00 59.61N 24.58E 0 1.8L,2.2L

ISC Event type kh.
IDC Error ellipse: s-maj=30.6km s-min=13.0km az=155.0.
LVSN Event type se. Error ellipse: s-maj=3.7km s-min=10.9km az=-1.0. Presumed earthquake.
EST Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**X**	**13 13 37 52.8–.78**	**59.80N–.02**	**22.27E–.02**	**0**		**88**	**0-10**
BER	X	13 13 37 51.1–.92	59.39N	22.59E	0			¶621147911
EST	X	13 13 37 53.9	59.78N	22.28E	0	2.0L		
HEL	X	13 13 37 53.9–.10	59.78N	22.28E	0	1.9L		
IDC	X	13 13 37 53.2–2.4	59.75N	22.17E	0	2.9,2.4L		
DNK	X	13 13 37 54.0–1.8	59.74N	22.16E	0–17	2.9,2.4L		
UPP	X	13 13 37 55.2–.90	59.78N	22.01E	0	2.6L,2.4L		
LVSN	X	13 13 37 56.8–3.9	59.71N	22.23E	0–53	2.6L,2.4L		

ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=28.2km s-min=38.8km az=-1.0. Suspected explosion.
EST Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=31.6km s-min=12.2km az=161.0.
DNK Event type se. Error ellipse: s-maj=8.4km s-min=30.2km az=-1.0. Presumed earthquake.
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0. Presumed earthquake.
LVSN Event type se. Error ellipse: s-maj=13.2km s-min=46.5km az=-1.0. Presumed earthquake.

(584) South Africa

PRE	**X**	**13 15 29 04.0–.81**	**26.06S**	**28.85E**	**0**	**2.2L**		
BGSI	X	13 15 29 08.9–.97	25.52S	29.48E	51–47	2.2L		¶624894667

PRE Event type sh. Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=4.0km s-min=10.6km az=-1.0. Presumed earthquake.

(548) Poland

ISC	**X**	**13 16 18 30.2–.90**	**51.66N–.03**	**16.13E–.03**	**0**		**64**	**1-5**
DNK	X	13 16 18 25.7–.75	51.30N	15.73E	2			¶621149195
IPEC	X	13 16 18 32.0–.19	51.58N	16.17E	1	2.3L		
VIE	X	13 16 18 33.1–.70	51.47N	16.05E	0	2.7L,2.5b		
PRU	X	13 16 18 34.3	51.51N	16.07E	0	2.7L,2.5b		

ISC Event type sr.
DNK Event type se. Error ellipse: s-maj=15.9km s-min=39.2km az=-1.0. Presumed earthquake.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=66.0.
VIE Event type sr. Error ellipse: s-maj=6.2km s-min=4.5km az=85.0. 79 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(326) Southwestern Siberia

IDC	**X**	**14 09 50 20.9–3.8**	**53.93N**	**86.68E**	**0**	**2.8,2.4L**		
ASGSR	X	14 09 50 18.0–.20	53.92N	86.51E	0	2.6,2.4L		¶621240629

IDC Error ellipse: s-maj=32.6km s-min=16.4km az=77.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(536) Sweden

HEL	**X**	**14 10 00 55.1–.20**	**63.78N**	**20.33E**	**0**	**1.5L**		
								¶626726681

HEL Event type kh. Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0. Explosion.

(536) Sweden

HEL	**X**	**14 10 01 02.2–.10**	**67.81N**	**20.09E**	**0**	**1.0L**		
								¶626726682

HEL Event type sh. Error ellipse: s-maj=0.5km s-min=1.7km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

HEL	**X**	**14 10 20 26.0–.50**	**60.89N**	**29.31E**	**0**	**1.6L**		
								¶626726683

HEL Event type sh. Error ellipse: s-maj=1.9km s-min=6.1km az=-1.0. Suspected explosion.

(721) Finland

HEL	**X**	**14 10 21 23.2–.20**	**60.14N**	**23.84E**	**0**	**1.2L**		
LVSN	X	14 10 21 25.3–.98	60.09N	23.56E	0–19	1.7L		¶625388215

HEL Event type kh. Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=4.7km s-min=12.4km az=-1.0. Presumed earthquake.

(548) Poland

ISC	**X**	**14 10 24 48.3–.88**	**50.22N–.04**	**18.77E–.02**	**0**		**50**	**1-6**
VIE	X	14 10 24 48.7–.66	50.05N	18.79E	0	2.6b,2.5L		¶621208804
BRA	X	14 10 24 49.0–.62	50.28N	18.80E	12–4	2.6b,2.5L		
IPEC	X	14 10 24 48.5–.15	50.21N	18.76E	1	2.3L,2.5L		
PRU	X	14 10 24 49.8	50.20N	18.76E	0	2.3L,2.5L		

ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=13.8km s-min=3.4km az=157.0. 26 km SSW of Katowice . Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=4.2km s-min=2.0km az=0.0. Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.8km az=177.0.
PRU Event type ki.

(536) Sweden

ISC	**X**	**14 17 02 49.2–.77**	**67.09N–.02**	**20.94E–.02**	**0**		**66**	**0-8**
HEL	X	14 17 02 46.4–.30	67.16N	20.60E	0	1.9L		¶621240649
UPP	X	14 17 02 48.5–.10	67.08N	20.96E	0	2.2L		
IDC	X	14 17 02 50.5–1.4	67.08N	21.06E	0	2.9,2.1L		

ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=5.1km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=20.7km s-min=11.9km az=102.0.

(460) Wyoming

ISC	**X**	**14 23 02 40.3–1.1**	**44.89N–.06**	**106.72W–.05**	**0**		**23**	**2-9**
NEIC	X	14 23 02 38.7–1.6	44.87N–.03	106.73W–.04	0–1	2.4L		¶621240661
IDC	X	14 23 02 41.2–2.2	44.84N	106.73W	0	3.5,2.0L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=6.8km s-min=4.2km az=322.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.1km s-min=15.8km az=137.0.

(330) Lake Issyk-Kul region

ISC	**X**	**15 01 58 24.1–.73**	**43.27N–.02**	**77.45E–.02**	**0**		**71**	**0-5**
SOME	X	15 01 58 24.9	43.22N	77.37E				¶622411406
KRNET	X	15 01 58 25.0–.10	43.25N	77.41E	18	2.7b		
NNC	X	15 01 58 24.6–.27	43.27N	77.44E	4–2	2.8,2.5b		
KNET	X	15 01 58 26.9–.36	43.18N	77.31E	24–1	2.1L,2.5b		

ISC Event type kx.
SOME Event type kx.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=1.6km az=167.0.
KNET Error ellipse: s-maj=2.9km s-min=2.5km az=165.0.

(326) Southwestern Siberia

ISC	**X**	**15 05 25 26.1–1.2**	**51.31N–.05**	**83.10E–.07**	**0**		**8**	**3-5**
NNC	X	15 05 25 29.9–5.0	51.24N	82.83E	0	3.0b,2.6		¶621242039
IDC	X	15 05 25 33.0–1.3	51.58N	82.46E	0	2.7,2.3L		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=42.2km s-min=17.0km az=35.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.9km s-min=9.9km az=120.0.

(590) Western Australia

AUST	**X**	**15 05 33 07.9–.87**	**28S–10**	**124E–5.0**	**10**	**3.2L**		
								¶621202374

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(326) Southwestern Siberia

IDC	**X**	**15 06 00 06.8–3.6**	**54.09N**	**86.12E**	**0**	**3.4,2.6L**		
ASGSR	X	15 05 59 58.0–1.7	54.14N	86.46E	0	2.5,2.6L		¶621242040

IDC Error ellipse: s-maj=30.5km s-min=11.1km az=75.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(713) Central Kazakhstan

ISC	**X**	**15 06 41 37.5–2.8**	**42.68N–.06**	**70.0E–.20**	**0**		**30**	**1-3**
NNC	X	15 06 41 37.8–.47	42.57N	70.08E	0	1.4		¶622411410
KRNET	X	15 06 41 37.2–.10	42.67N	70.08E		2.7b		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.0km s-min=2.4km az=120.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**X**	**15 07 00 42.8–2.1**	**54.74N**	**83.82E**	**0**	**3.0,2.6L**		
ASGSR	X	15 07 00 41.0	54.67N	83.72E	0	2.3,2.6L		¶621242042

IDC Error ellipse: s-maj=18.4km s-min=12.8km az=172.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR	**X**	**15 07 59 44.0–.50**	**54.28N**	**87.30E**	**0**	**2.7**		
IDC	X	15 07 59 48.2–3.6	54.18N	87.31E	0	2.7,2.2L		¶625334162

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=29.0km s-min=21.5km az=72.0.

(326) Southwestern Siberia

IDC	**X**	**15 08 25 36.7–3.2**	**53.39N**	**87.06E**	**0**	**2.7,2.6L**		
ASGSR	X	15 08 25 31.0–1.2	53.45N	87.21E	0	2.3,2.6L		¶621242046

IDC Error ellipse: s-maj=32.5km s-min=19.0km az=88.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**X**	**15 08 34 41.9–4.2**	**53.76N**	**87.92E**	**0**	**2.9,2.7L**		
ASGSR	X	15 08 34 37.0–1.1	53.76N	88.16E	0	2.6,2.7L		¶621242047

IDC Error ellipse: s-maj=37.6km s-min=22.0km az=57.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**X**	**15 08 45 07.8–4.5**	**54.15N**	**86.88E**	**0**	**2.7,2.4L**		
ASGSR	X	15 08 45 02.0–1.1	54.20N	87.23E	0	2.5,2.4L		¶621242048

IDC Error ellipse: s-maj=41.5km s-min=21.1km az=66.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**X**	**15 09 20 04.4–3.8**	**53.53N**	**87.37E**	**0**	**2.8,2.6L**		
ASGSR	X	15 09 19 58.0–1.2	53.55N	87.67E	0	2.5,2.6L		¶625334169

IDC Error ellipse: s-maj=35.4km s-min=20.3km az=72.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

ISC	**X**	**15 09 36 10.9–1.2**	**51.8N–.10**	**75.81E–.07**	**0**		**12**	**2-7**
NNC	X	15 09 36 07.8–1.5	51.72N	75.27E	0	3.3b,2.9		¶621242054
IDC	X	15 09 36 10.1–1.4	51.69N	75.68E	0	3.0,2.5L		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=26.1km s-min=9.5km az=17.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.7km s-min=10.6km az=34.0.

(326) Southwestern Siberia

IDC	**X**	**15 09 47 36.7–3.6**	**53.87N**	**88.10E**	**0**	**3.2,2.6L**		
ASGSR	X	15 09 47 35.0–1.1	53.64N	87.93E	0	2.8,2.6L		¶621242055

IDC Error ellipse: s-maj=28.4km s-min=22.0km az=51.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**X**	**15 09 52 39.6–4.1**	**54.16N**	**87.14E**	**0**	**3.2,2.7L**		
ASGSR	X	15 09 52 36.0–1.1	54.16N	87.06E	0	2.7,2.7L		¶621242057

IDC Error ellipse: s-maj=40.3km s-min=21.3km az=70.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(536) Sweden

HEL	**X**	**15 09 55 42.8–.20**	**67.63N**	**20.81E**	**0**	**1.1L**		
								¶635806509

HEL Event type sh. Error ellipse: s-maj=0.7km s-min=3.4km az=-1.0. Suspected explosion.

(536) Sweden

UPP	**X**	**15 09 56 22.6–.00**	**67.63N**	**21.02E**	**0**	**2.3L**		
								¶621742764

UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(723) Finland-Karelia border region

HEL	**X**	**15 09 59 31.0–.10**	**60.68N**	**27.26E**	**0**	**1.4L**		
								¶626726707

HEL Event type kh. Error ellipse: s-maj=0.7km s-min=1.5km az=-1.0. Explosion.

(723) Finland-Karelia border region

KOGSR	**X**	**15 09 59 43.9**	**64.72N**	**30.76E**	**0**	**1.8L**		
HEL	X	15 09 59 43.4–.20	64.74N	30.71E	0	1.7L		¶625346040

KOGSR Event type kh. Error ellipse: s-maj=14.5km s-min=12.7km az=170.0. Kostomuksha, Karelia.
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=4.4km az=-1.0. Suspected explosion.

(537) Baltic Sea

ISC	**X**	**15 11 57 37.9–.94**	**57.76N–.03**	**18.66E–.04**	**0**		**42**	**0-4**
DNK	X	15 11 57 37.5–1.6	57.72N	18.82E	0	2.6L		¶621742765
UPP	X	15 11 57 38.2–.30	57.74N	18.65E	0	2.0L		

ISC Event type kh.
DNK Event type kh. Error ellipse: s-maj=3.3km s-min=11.0km az=-1.0. Explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(383) Northwestern Balkan Peninsula

LJU	**X**	**15 13 36 06.3**	**45.75N**	**15.60E**	**0**	**0.2L**		
								¶635806506

LJU Event type sh. Suspected explosion.

(383) Northwestern Balkan Peninsula

VIE	**X**	**15 13 36 15.7–.26**	**46.72N**	**14.45E**	**0**	**0.9b,0.7L**		
								¶621717876

VIE Event type sm. Error ellipse: s-maj=2.6km s-min=1.1km az=84.0. 7 km S of Sankt Georgen am Lngsee . Suspected Mining explosion.

(548) Poland

ISC	**X**	**16 04 01 44.0–.34**	**51.58N–.02**	**16.18E–.02**	**0**	**4.3b**	**601**	**1-84**
NAO	X	16 03 59 57.6	43.21N	17.41E	33	3.6b		¶621204540
LDG	X	16 04 01 44.1–.26	51.54N	16.54E	2	4.3L		
NEIC	X	16 04 01 44.6–1.6	51.55N–.05	16.19E–.07	5–1	4.3b,3.7L		
IPEC	X	16 04 01 44.4–.19	51.55N	16.20E	1	3.9L,3.7L		
DNK	X	16 04 01 44.7–2.3	51.60N	16.28E	0	2.7L,3.7L		
IDC	X	16 04 01 44.3–.47	51.52N	16.09E	0	4.0b,4.0		
BNS	X	16 04 01 45.0–.72	51.54N	16.25E	1–8	4.2L,4.0		
VIE	X	16 04 01 45.4–.47	51.46N	16.14E	0	4.2s,3.7L		
PRU	X	16 04 01 46.1	51.47N	16.13E	0	4.3,3.7L		
BGR	X	16 04 01 46.3–.44	51.48N	16.12E	1	4.0L,3.7L		
GFZ	X	16 04 01 46.3–.13	51N–1.0	16E–1.0	1	6.1,6.1		
UPP	X	16 04 01 50.6–3.3	51.90N	15.72E	0	3.2L,6.1		

ISC Event type sr.
NAO Event type se. Presumed earthquake.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=160.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.8km az=34.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=64.0.
DNK Event type sh. Error ellipse: s-maj=10.2km s-min=19.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=8.6km s-min=5.8km az=119.0.
BNS Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.5km s-min=3.5km az=77.0. 73 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=18.0.
GFZ Error ellipse: s-maj=2.8km s-min=2.2km az=33.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
UPP Event type se. Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0. Presumed earthquake.

(548) Poland

ISC	**X**	**16 06 26 38.8–.69**	**50.24N–.03**	**19.06E–.02**	**0**		**86**	**0-20**
VIE	X	16 06 26 39.3–.38	50.30N	18.95E	0	2.6L,2.4b		¶621204551
IPEC	X	16 06 26 39.7–.16	50.22N	18.99E	1	2.8L,2.4b		
IDC	X	16 06 26 40.4–1.2	50.33N	18.92E	0	3.4,2.5L		
BRA	X	16 06 26 40.9–.51	50.23N	19.02E	9–3	2.3L,2.5L		
PRU	X	16 06 26 41.1	50.20N	18.93E	0	2.3L,2.5L		

ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=4.0km s-min=1.4km az=160.0. 6 km NNW of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.8km az=0.0.
IDC Error ellipse: s-maj=21.1km s-min=8.4km az=149.0.
BRA Event type kr. Error ellipse: s-maj=3.8km s-min=1.9km az=0.0. Mining induced.
PRU Event type ki.

(329) Eastern Kazakhstan

ISC	**X**	**16 08 53 42.4–1.1**	**51.7N–.10**	**75.36E–.06**	**0**		**9**	**2-7**
IDC	X	16 08 53 41.7–1.1	51.78N	75.36E	0	2.6,2.0L		¶621242116
NNC	X	16 08 53 42.7–.87	51.74N	75.46E	0	3.1b,2.7		

ISC Event type sm.
IDC Error ellipse: s-maj=22.9km s-min=8.8km az=28.0.
NNC Event type sm. Error ellipse: s-maj=51.9km s-min=5.4km az=26.0. Suspected Mining explosion.

(715) Tajikistan

ISC	**X**	**16 10 44 46.4–3.0**	**40.69N–.07**	**69.3E–.20**	**10**		**10**	**1-3**

KRNET X 16 10 44 43.0–.10 40.77N 69.13E 2.5b ¶622411448
ISC Event type se.
(713) Central Kazakhstan
NNC X 16 11 58 26.4–1.3 50.82N 73.69E 0 3.5b,3.2 ¶624926149
NNC Event type sm. Error ellipse: s-maj=12.5km s-min=10.4km az=7.0. Suspected Mining explosion.
(460) Wyoming
ISC X 16 22 47 02.2–.94 43.78N–.05 105.39W–.05 0 51 1-14
NEIC X 16 22 47 00.7–1.4 43.78N–.05 105.35W–.03 0–1 2.8L ¶621242151
IDC X 16 22 47 04.0–1.5 44.12N 105.72W 0 3.6L,3.1
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.7km s-min=2.7km az=24.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.2km s-min=12.4km az=145.0.
(548) Poland
PRU X 17 02 45 34.0 51.50N 16.07E 0 ¶625074402
PRU Event type ki.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR X 17 12 04 58.2 67.67N 33.75E 0 1.1L ¶625334204
KOGSR Event type kh. Error ellipse: s-maj=1.9km s-min=0.8km az=150.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR X 17 12 05 37.4 67.67N 33.72E 0 1.4L ¶635812055
KOGSR Event type kh. Error ellipse: s-maj=2.1km s-min=1.1km az=140.0. Khibiny, mines Kirovsk, Yukspor.
(548) Poland
ISC X 17 12 20 53.2–.40 51.58N–.02 16.19E–.02 0 4.0b 498 1-125
BEO X 17 12 20 51.1–.90 52.03N 16.29E 18–9 4.2L ¶621204855
NEIC X 17 12 20 53.3–1.1 51.65N–.04 16.19E–.09 5–1 4.1b,4.0L
VIE X 17 12 20 54.6–.46 51.50N 16.22E 0 4.0L,4.0s
IPEC X 17 12 20 54.3–.18 51.54N 16.27E 1 3.7L,4.0s
IDC X 17 12 20 54.1–.52 51.58N 16.06E 0 3.9b,3.8
BNS X 17 12 20 55.5–.73 51.52N 16.15E 4–10 4.1L,3.8
BGR X 17 12 20 55.5–.39 51.49N 16.18E 1 4.0L,3.8
DNK X 17 12 20 55.4–2.0 51.73N 16.29E 0 3.3L,3.8
GFZ X 17 12 20 55.7–.20 52N–2.0 16E–2.0 10 4.6b,4.4b
UPP X 17 12 20 59.0–3.4 51.86N 15.70E 0 2.9L,4.4b
ISC Event type sr.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.7km az=298.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VIE Event type sr. Error ellipse: s-maj=3.8km s-min=2.8km az=35.0. 71 km NW of Wroclaw . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=63.0.
IDC Error ellipse: s-maj=9.4km s-min=6.4km az=111.0.
BNS Event type ki.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=17.0.
DNK Event type sh. Error ellipse: s-maj=11.0km s-min=31.9km az=-1.0. Suspected explosion.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
UPP Event type se. Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0. Presumed earthquake.
(547) Czech and Slovak Republics
IPEC X 17 20 42 46.5–.29 49.83N 18.57E 1 1.5L
PRU X 17 20 42 47.9 49.80N 18.48E 0 1.5L ¶621208877
BRA X 17 20 42 47.1–.38 49.84N 18.49E 12–4 1.4L
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=67.0.
PRU Event type ki. Mining Induced Event Csm, E=6.9e+04.
BRA Event type kr. Error ellipse: s-maj=2.5km s-min=1.9km az=0.0. Mining induced.
(547) Czech and Slovak Republics
ISC X 18 03 25 50.4–.74 49.86N–.03 18.54E–.02 0 95 0-6
VIE X 18 03 25 51.0–.33 49.85N 18.57E 0 3.3s,2.8L ¶621206656
IPEC X 18 03 25 51.6–.28 49.83N 18.56E 1 2.5L,2.8L
BRA X 18 03 25 52.9–.38 49.80N 18.50E 4–5 2.1L,2.8L
PRU X 18 03 25 53.3 49.89N 18.47E 0 2.1L,2.8L
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=4.5km s-min=2.7km az=162.0. 23 km E of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.5km az=69.0.
BRA Event type kr. Error ellipse: s-maj=2.1km s-min=1.5km az=0.0. Mining induced.
PRU Event type ki. Mining Induced Event Csm, E=3.1e+06.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR X 18 04 04 39.9 67.60N 33.89E 0 1.2L ¶635812054
KOGSR Event type kh. Error ellipse: s-maj=2.0km s-min=1.0km az=150.0. Khibiny, mines Rasvumchorr, Central.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR X 18 04 05 14.7 67.67N 33.73E 0 1.4L ¶625334231
KOGSR Event type kh. Error ellipse: s-maj=2.0km s-min=0.9km az=150.0. Khibiny, mines Kirovsk, Yukspor.
(329) Eastern Kazakhstan
ISC X 18 07 53 16.7–1.3 49.65N–.09 81.6E–.10 0 7 2-5
IDC X 18 07 53 18.4–1.4 49.78N 81.67E 0 2.6,2.0L ¶621244016
NNC X 18 07 53 19.3–2.0 49.73N 81.54E 0 2.8b,2.5
ISC Event type sm.
IDC Error ellipse: s-maj=16.2km s-min=11.4km az=84.0.
NNC Event type sm. Error ellipse: s-maj=26.6km s-min=9.2km az=48.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC X 18 07 59 56.2–3.5 54.30N 87.16E 0 3.3,2.8L
ASGSR X 18 07 59 57.0–1.3 54.28N 86.82E 0 2.6,2.8L ¶621244017
IDC Error ellipse: s-maj=28.9km s-min=23.5km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR X 18 12 05 32.9 67.69N 33.71E 0 1.4L ¶625334233
KOGSR Event type kh. Error ellipse: s-maj=2.2km s-min=1.1km az=150.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR X 18 12 06 19.7 67.63N 33.87E 0 1.3L ¶635812056
KOGSR Event type kh. Error ellipse: s-maj=2.7km s-min=1.1km az=150.0. Khibiny, mines Rasvumchorr, Central.
(548) Poland
ISC X 19 04 09 22.5–.80 51.68N–.03 16.14E–.03 0 75 1-5
DNK X 19 04 09 22.4–.98 51.63N 16.07E 0 3.2L ¶621234790
VIE X 19 04 09 23.8–.65 51.59N 16.13E 0 2.7L,2.5b
IPEC X 19 04 09 23.7–.19 51.61N 16.14E 1 2.3L,2.5b
PRU X 19 04 09 26.8 51.50N 16.06E 0 2.3L,2.5b
BRA X 19 04 09 29.9–1.2 51.45N 16.28E 0 2.2L,2.5b
ISC Event type kr.
DNK Event type sh. Error ellipse: s-maj=7.0km s-min=22.8km az=-1.0. Suspected explosion.
VIE Event type sr. Error ellipse: s-maj=7.1km s-min=3.8km az=44.0. 82 km NW of Wroclaw . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=65.0.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=5.0km s-min=5.0km az=0.0. Mining induced.
(326) Southwestern Siberia
IDC X 19 06 50 09.4–3.9 54.31N 86.28E 0 3.1,3.0L
ASGSR X 19 06 50 08.0–.90 54.31N 86.15E 0 2.7,3.0L ¶621244064
IDC Error ellipse: s-maj=33.6km s-min=14.4km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC X 19 08 35 14.7–3.2 53.90N 86.11E 0 2.8,2.5L
ASGSR X 19 08 35 04.0–1.4 54.02N 86.55E 0 2.4,2.5L ¶621244071
IDC Error ellipse: s-maj=27.6km s-min=12.8km az=85.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC X 19 09 55 11.6–3.1 53.91N 86.77E 0 3.4,3.1L
ASGSR X 19 09 55 11.0–1.3 53.94N 86.61E 0 2.8,3.1L ¶621244073
IDC Error ellipse: s-maj=25.8km s-min=15.1km az=78.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(646) Northern Norway
BER X 19 09 56 13.6–1.1 66.42N 14.70E 0 ¶635806545
BER Event type sh. Error ellipse: s-maj=2.4km s-min=8.6km az=-1.0. Suspected explosion.
(721) Finland
HEL X 19 09 56 30.4–.20 61.60N 23.27E 0 1.0L ¶625424829
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=2.5km az=-1.0. Explosion.
(646) Northern Norway
HEL X 19 10 59 45.6–.60 70.47N 28.63E 0
KOGSR X 19 10 59 46.3 69.66N 29.64E 0 1.5L ¶625334273
HEL Event type kh. Error ellipse: s-maj=3.5km s-min=9.7km az=-1.0. Explosion.
KOGSR Event type kh. Error ellipse: s-maj=8.5km s-min=2.7km az=120.0. Kirkenes, Norway.
(721) Finland
HEL X 19 11 01 18.9–.00 64.11N 28.13E 0 1.2L ¶626726792
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.9km az=-1.0. Explosion.
(721) Finland
HEL X 19 14 17 25.7–.20 60.22N 24.64E 0 0.9L ¶626726799
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0. Explosion.
(646) Northern Norway
BER X 19 14 18 23.7–1.6 69.12N 18.67E 0 ¶635806546
BER Event type sh. Error ellipse: s-maj=5.4km s-min=12.1km az=-1.0. Suspected explosion.
(579) Botswana
PRE X 19 14 42 44.4–.86 23.64S 24.40E 0 1.9L
BGSI X 19 14 42 59.8–.30 24.51S 24.80E 4–2 1.6L ¶624894680
PRE Event type sh. Error ellipse: s-maj=5.9km s-min=7.6km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0. Presumed earthquake.
(722) Norway-Murmansk border region
HEL X 19 16 30 53.0–.50 69.39N 30.94E 0 1.0L ¶635806551
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=9.4km az=-1.0. Explosion.
(646) Northern Norway
BER X 19 16 31 12.0–.46 70.00N 30.78E 0 ¶626726802
BER Event type sh. Error ellipse: s-maj=6.9km s-min=10.4km az=-1.0. Suspected explosion.
(536) Sweden
ISC X 19 17 00 23.8–.78 67.06N–.02 20.94E–.02 0 61 0-8
HEL X 19 17 00 21.7–.40 67.13N 20.66E 0 1.9L ¶621217276
UPP X 19 17 00 23.7–.10 67.05N 20.95E 0 2.1L
IDC X 19 17 00 25.8–1.5 67.05N 21.05E 0 2.8,1.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=6.6km az=-1.0. Explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.4km s-min=10.9km az=108.0.
(460) Wyoming
ISC X 19 19 58 48.1–.98 43.76N–.06 105.36W–.05 0 45 1-11
NEIC X 19 19 58 46.9–2.1 43.79N–.05 105.32W–.09 0–1 3.0L ¶621244094
IDC X 19 19 58 49.8–1.9 44.10N 105.70W 0 3.3L,3.3
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=11.3km s-min=9.1km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.1km s-min=14.3km az=147.0.
(548) Poland
ISC X 19 20 46 30.8–.81 50.18N–.03 18.72E–.02 0 62 0-6
IPEC X 19 20 46 30.8–.15 50.20N 18.74E 1 2.3L ¶621234803
VIE X 19 20 46 31.0–.42 50.23N 18.72E 0 3.6s,2.6L
PRU X 19 20 46 32.1 50.22N 18.72E 0 3.6s,2.6L
BRA X 19 20 46 32.1–.60 50.17N 18.71E 7–7 1.8L,2.6L
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.8km az=176.0.
VIE Event type sr. Error ellipse: s-maj=6.2km s-min=1.3km az=160.0. 19 km W of Katowice . Suspected Mining induced.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=3.1km s-min=1.8km az=0.0. Mining induced.
(536) Sweden
HEL X 19 23 17 29.7–.30 67.84N 19.99E 0 1.4L
BER X 19 23 17 31.7–.30 67.82N 20.17E 0 1.4L ¶635806510
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=6.4km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=2.5km s-min=6.5km az=-1.0. Suspected explosion.
(536) Sweden
UPP X 19 23 18 06.9–.00 67.87N 20.16E 0 2.3L ¶621742833
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(713) Central Kazakhstan
ISC X 20 06 08 15.2–.91 43.03N–.03 74.91E–.02 0 39 0-3
KRNET X 20 06 08 14.9–.10 43.03N 74.91E 2.4b ¶624926266
KNET X 20 06 08 14.5–.36 43.06N 74.91E 12–3 1.4L
NNC X 20 06 08 15.5–1.3 43.06N 74.89E 0 3.8b,3.1
SOME X 20 06 08 15.5 43.00N 74.92E 3.8b,3.1
ISC Event type sm.
KRNET Event type kh.
KNET Error ellipse: s-maj=2.7km s-min=1.7km az=160.0.
NNC Event type sm. Error ellipse: s-maj=16.3km s-min=2.2km az=146.0. Suspected Mining explosion.
SOME Event type kx.
(721) Finland
HEL X 20 06 17 14.4–.20 60.08N 24.25E 0 1.1L
LVSN X 20 06 17 23.9–3.4 58.62N 25.80E 0–196 1.1L ¶625388242
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0. Explosion.
LVSN Event type se. Error ellipse: s-maj=35.9km s-min=91.9km az=-1.0. Presumed earthquake.
(536) Sweden
ISC X 20 08 40 35.6–.81 58.86N–.02 11.20E–.04 0 42 0-2
DNK X 20 08 40 36.6–.57 58.89N 11.21E 0 ¶621742837
UPP X 20 08 40 36.2–.10 58.89N 11.23E 0 2.7L
BER X 20 08 40 37.6–1.6 58.90N 11.08E 0 2.7L
ISC Event type kh.
DNK Event type kh. Explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=4.2km s-min=28.7km az=-1.0. Suspected explosion.
(721) Finland
HEL X 20 10 34 16.0–.10 63.12N 27.73E 0 1.6L ¶626726820
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=1.6km az=-1.0. Explosion.
(536) Sweden
UPP X 20 10 34 35.2–.30 67.79N 20.37E 0 2.0L
HEL X 20 10 34 36.4–.50 67.90N 20.03E 0 1.2L ¶621742839
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=8.5km az=-1.0. Suspected explosion.
(548) Poland
ISC X 20 16 07 46.1–.71 51.56N–.03 16.15E–.02 0 110 1-19
IDC X 20 16 07 45.5–1.3 51.69N 16.26E 0 3.5,2.8L ¶621234818
DNK X 20 16 07 47.3–1.8 51.54N 15.84E 0 2.4L,2.8L
IPEC X 20 16 07 48.2–.18 51.46N 16.18E 1 2.8L,2.8L
BGR X 20 16 07 48.6–.54 51.48N 16.14E 1 2.9L,2.8L
VIE X 20 16 07 48.3–.55 51.45N 16.10E 0 3.2L,2.6b
PRU X 20 16 07 50.2 51.43N 16.11E 0 3.2L,2.6b
ISC Event type sr.
IDC Error ellipse: s-maj=19.4km s-min=11.3km az=110.0.
DNK Event type sh. Error ellipse: s-maj=12.3km s-min=42.3km az=-1.0. Suspected explosion.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=63.0.

BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=24.0.
VIE Event type sr. Error ellipse: s-maj=5.7km s-min=3.5km az=56.0. 75 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(536) Sweden

HEL	**X**	**20 22 04 17.4–.20**	**67.17N**	**20.58E**	**0**	**1.0L**		**¶635806511**
HEL		Event type sh. Error ellipse: s-maj=0.9km s-min=3.9km az=-1.0. Suspected explosion.						

(536) Sweden

UPP	**X**	**20 22 05 11.6–.00**	**67.19N**	**20.66E**	**0**	**1.9L**		**¶621742844**
UPP		Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.						

(548) Poland

ISC	**X**	**21 02 03 25.4–.74**	**51.60N–.03**	**16.17E–.02**	**0**		**106**	**1-11**
DNK	X	21 02 03 26.8–1.8	51.62N	16.13E	0	2.7L		**¶621239022**
IDC	X	21 02 03 27.0–1.6	51.48N	16.22E	0	3.2,2.1L		
IPEC	X	21 02 03 27.1–.18	51.53N	16.17E	1	2.6L,2.1L		
PRU	X	21 02 03 29.1	51.48N	16.09E	0	2.6L,2.1L		
VIE	X	21 02 03 30.6–.80	51.29N	16.06E	0	2.8L,2.7b		

ISC Event type sr.
DNK Event type sh. Error ellipse: s-maj=12.7km s-min=41.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=37.6km s-min=11.6km az=114.0.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=65.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=5.0km s-min=4.8km az=104.0. 70 km WNW of Wroclaw . Suspected Mining induced.

(721) Finland

HEL	**X**	**21 08 46 44.8–.10**	**61.66N**	**23.30E**	**0**	**1.3L**		**¶626726839**
HEL		Event type kh. Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0. Explosion.						

(536) Sweden

BER	**X**	**21 10 33 42.3–1.3**	**59.88N**	**12.73E**	**0**			**¶626726846**
BER		Event type sh. Error ellipse: s-maj=3.4km s-min=7.1km az=-1.0. Suspected explosion.						

(723) Finland-Karelia border region

HEL	**X**	**21 10 34 05.1–.30**	**61.01N**	**28.22E**	**0**	**1.0L**		**¶635806552**
HEL		Event type kh. Error ellipse: s-maj=2.0km s-min=4.4km az=-1.0. Explosion.						

(721) Finland

HEL	**X**	**21 14 01 34.7–.20**	**62.97N**	**26.74E**	**0**	**1.0L**		**¶625424919**
HEL		Event type kh. Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0. Explosion.						

(548) Poland

ISC	**X**	**21 16 07 26.1–1.3**	**51.59N–.06**	**16.15E–.03**	**0**		**52**	**1-5**
VIE	X	21 16 07 28.4–1.2	51.46N	16.56E	0	2.7b,2.6L		**¶621239009**
PRU	X	21 16 07 29.5	51.52N	16.06E	0	2.7b,2.6L		

ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=10.8km s-min=8.6km az=77.0. 52 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(548) Poland

IPEC	**X**	**21 22 09 05.3–.16**	**50.07N**	**18.48E**	**1**	**2.0L**		
BRA	X	21 22 09 06.1–.64	50.13N	18.42E	2–6	1.5L		**¶621239019**
PRU	X	21 22 09 06.6	50.08N	18.45E	0	1.5L		

IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.0km az=161.0.
BRA Event type kr. Error ellipse: s-maj=4.3km s-min=2.5km az=0.0. Mining induced.
PRU Event type ki.

(326) Southwestern Siberia

IDC	**X**	**22 07 29 55.7–3.8**	**54.07N**	**87.70E**	**0**	**2.8,2.4L**		
ASGSR	X	22 07 29 57.0–1.1	54.23N	87.14E	0	2.4,2.4L		**¶621309317**

IDC Error ellipse: s-maj=26.9km s-min=19.6km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

NNC	**X**	**22 07 32 31.9–1.5**	**49.82N**	**81.90E**	**0**	**2.7b,2.3**		
ASGSR	X	22 07 32 30.0–1.5	49.63N	81.76E	0	2.4,2.3		**¶624926347**

NNC Event type sm. Error ellipse: s-maj=16.8km s-min=5.6km az=50.0. Suspected Mining explosion.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**X**	**22 09 55 11.5–2.2**	**54.27N**	**85.94E**	**0**	**3.2,3.1L**		
ASGSR	X	22 09 55 06.0–.90	54.31N	86.13E	0	2.7,3.1L		**¶621309319**

IDC Error ellipse: s-maj=19.3km s-min=14.9km az=10.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(646) Northern Norway

BER	**X**	**22 12 14 15.8–.50**	**66.42N**	**14.71E**	**0**			**¶635806547**
BER		Event type sh. Error ellipse: s-maj=1.3km s-min=5.1km az=-1.0. Suspected explosion.						

(721) Finland

HEL	**X**	**22 12 15 08.0–.10**	**60.15N**	**24.68E**	**0**	**0.4L**		**¶626726873**
HEL		Event type kh. Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0. Explosion.						

(584) South Africa

PRE	**X**	**22 14 58 36.7–1.2**	**26.24S**	**28.96E**	**0**	**2.6L**		
BGSI	X	22 14 58 38.3–2.3	26.45S	29.28E	177–58	3.1L		**¶624894688**

PRE Event type sh. Error ellipse: s-maj=2.7km s-min=2.6km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=10.3km s-min=21.7km az=-1.0. Presumed earthquake.

(24) Alberta

PGC	**X**	**22 19 31 49.0–.05**	**50.24N**	**114.93W**	**0**	**3.7L**		**¶626196296**
PGC		Event type km. 23km northeast of Elkford, Bc Alberta, Canada Mining explosion.						

(536) Sweden

ISC	**X**	**23 06 45 35.3–.69**	**67.18N–.02**	**20.76E–.02**	**0**		**63**	**0-11**
UPP	X	23 06 45 36.4–.00	67.19N	20.64E	0	2.5L		**¶626726895**
IDC	X	23 06 45 37.3–1.1	67.20N	20.49E	0	3.4,2.5L		
HEL	X	23 06 45 37.0–.00	67.18N	20.62E	0	2.5L,2.0L		

ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=18.4km s-min=10.0km az=106.0.
HEL Event type ki. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Confirmed Induced event.

(329) Eastern Kazakhstan

NNC	**X**	**23 07 21 48.8–1.6**	**49.65N**	**81.87E**	**0**	**2.5b,2.1**		**¶624926374**
NNC		Event type sm. Error ellipse: s-maj=21.5km s-min=6.2km az=53.0. Suspected Mining explosion.						

(555) Western Arabian Peninsula

GII	**X**	**23 11 04 52.8–.00**	**29.652N–.00**	**36.382E–.00**	**0**			
JSO	X	23 11 05 24.4	30.09N	35.43E	10	2.0		**¶625388247**

GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
JSO Dead Sea Region . LOCSAT solution with earthmodel iasp91 (with start solution, 8 stations used, weight 8);. RMS-ERR: 3.040.

(584) South Africa

PRE	**X**	**23 13 34 18.6–.85**	**26.69S**	**28.05E**	**0**	**1.8L**		**¶625904517**
PRE		Event type sh. Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0. Suspected explosion.						

(460) Wyoming

ISC	**X**	**23 19 01 33.3–1.0**	**43.60N–.05**	**105.28W–.05**	**0**		**48**	**1-9**
NEIC	X	23 19 01 32.6–1.5	43.65N–.05	105.29W–.10	0–1	3.1L		**¶621309390**
IDC	X	23 19 01 34.0–2.4	43.64N	105.50W	0	3.3,3.2L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=14.0km s-min=3.0km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.7km s-min=12.7km az=148.0.

(724) Baltic States-Belarus-Northwestern Russia

HEL	**X**	**23 23 27 13.6–.30**	**67.63N**	**33.83E**	**0**	**0.9L**		**¶635806553**
HEL		Event type sh. Error ellipse: s-maj=3.6km s-min=8.0km az=-1.0. Suspected explosion.						

(584) South Africa

PRE	**X**	**24 13 47 08.2–1.1**	**26.24S**	**29.14E**	**0**	**2.2L**		
BGSI	X	24 13 47 19.6–1.0	25.62S	29.10E	6–12	2.5L		**¶624894692**

PRE Event type sh. Error ellipse: s-maj=2.7km s-min=2.1km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=3.6km s-min=11.3km az=-1.0. Presumed earthquake.

(548) Poland

ISC	**X**	**24 17 09 07.3–.80**	**51.57N–.03**	**16.22E–.03**	**0**		**81**	**1-5**
DNK	X	24 17 09 08.0–1.5	51.40N	16.66E	34–42	3.1L		**¶621239083**
VIE	X	24 17 09 09.2–.41	51.44N	16.47E	0	2.4b,2.3L		
PRU	X	24 17 09 11.1	51.41N	16.19E	0	2.4b,2.3L		

ISC Event type sr.
DNK Event type se. Error ellipse: s-maj=33.3km s-min=38.4km az=-1.0. Presumed earthquake.
VIE Event type sr. Error ellipse: s-maj=4.5km s-min=3.4km az=87.0. 54 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(548) Poland

PRU	**X**	**24 17 19 27.3**	**51.40N**	**16.09E**	**0**			**¶625074487**
PRU		Event type ki.						

(460) Wyoming

ISC	**X**	**24 18 05 21.9–1.2**	**43.60N–.07**	**105.24W–.06**	**0**		**13**	**1-9**
NEIC	X	24 18 05 21.2–1.1	43.63N–.06	105.22W–.06	0–1	3.1L		**¶621366404**
IDC	X	24 18 05 24.6–2.3	43.87N	105.47W	0	3.4,3.1L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=12.6km s-min=3.5km az=325.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.8km s-min=11.7km az=147.0.

(24) Alberta

PGC	**X**	**25 19 05 52.3–.08**	**50.18N**	**114.86W**	**0**	**3.7L**		**¶626196324**
PGC		Event type km. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 17km northeast of Elkford, Bc Alberta, Canada Mining explosion.						

(536) Sweden

HEL	**X**	**25 23 20 16.5–.40**	**67.80N**	**20.14E**	**0**	**1.1L**		**¶635806512**
HEL		Event type sh. Error ellipse: s-maj=1.5km s-min=7.6km az=-1.0. Suspected explosion.						

(536) Sweden

UPP	**X**	**25 23 20 50.2–.10**	**67.83N**	**20.19E**	**0**	**2.2L**		**¶621742901**
UPP		Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.						

(329) Eastern Kazakhstan

NNC	**X**	**26 07 27 14.8–.81**	**48.58N**	**77.82E**	**0**	**3.5b,3.2**		**¶624926475**
NNC		Event type sm. Error ellipse: s-maj=8.8km s-min=6.4km az=90.0. Suspected Mining explosion.						

(536) Sweden

ISC	**X**	**26 09 41 59.5–.83**	**61.16N–.03**	**13.32E–.03**	**0**		**38**	**1-2**
BER	X	26 09 41 59.7–1.5	61.22N	13.56E	0			**¶621742907**
UPP	X	26 09 42 01.2–.40	61.14N	13.33E	0	2.5L		
DNK	X	26 09 42 01.1–.62	61.17N	13.23E	0	2.5L		

ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=9.6km s-min=20.6km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=2.1km s-min=6.0km az=-1.0. Explosion.

(506) Tennessee

ISC	**X**	**26 10 29 59.4–.72**	**36.87N–.03**	**82.97W–.03**	**0**		**129**	**1-146**
NEIC	X	26 10 29 59.7–.88	36.89N–.02	82.960W–.01	0–2	3.1,2.7L		**¶621366470**
IDC	X	26 10 30 00.1–1.9	36.83N	82.92W	0	3.4L,3.3		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=3.8km s-min=2.9km az=14.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.8km s-min=13.3km az=117.0.

(721) Finland

HEL	**X**	**26 10 34 11.4–.10**	**63.13N**	**27.77E**	**0**	**1.9L**		
MOS	X	26 10 34 12.0–.20	63.08N–.02	27.79E–.02	0	1.8		**¶625334592**

HEL Event type kh. Explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**X**	**26 10 50 44.3–.69**	**59.85N–.02**	**24.09E–.02**	**0**		**81**	**0-10**
BER	X	26 10 50 43.3–.69	59.81N	24.72E	0			**¶621239853**
IDC	X	26 10 50 45.0–3.6	59.74N	24.10E	0	3.3,2.4L		
HEL	X	26 10 50 45.7–.00	59.84N	24.16E	0	1.8L,2.4L		
EST	X	26 10 50 45.7	59.85N	24.15E	0	1.9L,2.4L		
LVSN	X	26 10 50 47.3–2.3	59.85N	24.17E	0–36	2.7L,2.4L		

ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=10.9km s-min=10.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=42.5km s-min=17.0km az=149.0.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
EST Event type kh. Explosion.
LVSN Event type se. Error ellipse: s-maj=9.7km s-min=16.8km az=-1.0. Presumed earthquake.

(713) Central Kazakhstan

ISC	**X**	**26 11 02 36.8–1.1**	**43.79N–.04**	**69.74E–.07**	**0**		**22**	**1-9**
NNC	X	26 11 02 36.4–1.2	43.70N	69.66E	0	3.7b,3.2		**¶622411690**
SOME	X	26 11 02 36.3	43.67N	69.72E		3.7b,3.2		
KRNET	X	26 11 02 37.5–.10	43.85N	69.55E		2.8b,3.2		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=9.9km s-min=6.4km az=104.0. Suspected Mining explosion.
SOME Event type kx.

(584) South Africa

PRE	**X**	**26 12 08 31.0–.83**	**24.36S**	**27.93E**	**0**	**1.5L**		
BGSI	X	26 12 08 31.4–1.1	23.67S	27.51E	0–6	2.1L		**¶624894698**

PRE Event type sh. Error ellipse: s-maj=2.0km s-min=2.4km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=3.3km s-min=7.3km az=-1.0. Presumed earthquake.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**X**	**26 15 51 13.8–.63**	**59.83N–.02**	**24.13E–.02**	**0**		**115**	**0-18**
DNK	X	26 15 51 13.4–1.8	59.86N	24.37E	1	2.9L		**¶621240778**
UPP	X	26 15 51 14.1–2.3	60.01N	24.28E	0	3.1L		
EST	X	26 15 51 15.8	59.86N	24.18E	0	2.3L		
HEL	X	26 15 51 15.8–.00	59.86N	24.19E	0	1.9L		
BER	X	26 15 51 16.8–.65	59.71N	24.00E	0	1.9L		
LVSN	X	26 15 51 16.8–2.8	59.83N	24.13E	0–45	3.0L		
IDC	X	26 15 51 16.0–1.4	59.88N	24.18E	0	3.6,3.3L		

ISC Event type kh.
DNK Event type se. Error ellipse: s-maj=7.0km s-min=17.9km az=-1.0. Presumed earthquake.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0. Presumed earthquake.
EST Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=17.4km s-min=28.9km az=-1.0. Suspected explosion.
LVSN Event type se. Error ellipse: s-maj=11.6km s-min=20.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=14.9km s-min=12.6km az=174.0.

(536) Sweden

ISC	**X**	**26 17 00 30.9–.78**	**67.10N–.02**	**20.95E–.02**	**0**		**65**	**0-7**
HEL	X	26 17 00 27.7–.40	67.10N	20.48E	0	1.9L		**¶621240787**
UPP	X	26 17 00 30.2–.10	67.07N	20.94E	0	2.0L		
IDC	X	26 17 00 33.4–1.5	67.06N	21.44E	0	2.6,1.9L		

ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=8.3km az=-1.0. Explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=27.1km s-min=11.0km az=107.0.

(326) Southwestern Siberia

ISC	**X**	**26 19 16 49.4–.56**	**53.75N–.02**	**88.10E–.02**	**0**	**4.0b**	**96**	**0-60**
ASGSR	X	26 19 16 48.2	54N–1.0	88E–1.0	7–2	3.6		**¶621241083**
IDC	X	26 19 16 49.8–1.1	53.73N	88.08E	0	3.8,3.7b		
MOS	X	26 19 16 50.5–1.4	53.71N	88.01E	11	4.0b,3.7b		
NNC	X	26 19 16 52.7–1.6	53.54N	87.82E	0	4.2b,3.9		

ISC Event type sm.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/Polysaevo_Velocity_Model. manual. confirmed.
IDC Error ellipse: s-maj=15.6km s-min=10.9km az=168.0.
MOS Error ellipse: s-maj=16.2km s-min=12.0km az=81.1.

NNC Event type sm. Error ellipse: s-maj=14.0km s-min=6.9km az=60.0. Suspected Mining explosion.

(546) Austria

VIE	**X**	**27 10 03 10.5–.19**	**47.27N**	**14.97E**	**0**	**1.3L,0.8b**		**¶621718080**

VIE Event type sm. Error ellipse: s-maj=2.4km s-min=1.1km az=169.0. 5 km SSE of Kraubath a.d. Mur . Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**X**	**27 12 07 51.1**	**67.65N**	**33.79E**	**0**	**1.1L**		**¶625334645**

KOGSR Event type kh. Error ellipse: s-maj=2.4km s-min=0.5km az=150.0. Khibiny, mines Kirovsk, Yukspor,Khibiny, mines Rasvumchorr, Central.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**X**	**27 12 08 29.1**	**67.67N**	**33.73E**	**0**	**1.4L**		**¶635812057**

KOGSR Event type kh. Error ellipse: s-maj=3.3km s-min=1.5km az=150.0. Khibiny, mines Kirovsk, Yukspor.

(713) Central Kazakhstan

ISC	**X**	**27 12 40 59.8–2.9**	**43.7N–.10**	**69.6E–.10**	**0**		**16**	**1-4**
NNC	X	27 12 40 58.8–2.0	43.68N	69.67E	0	3.8b,3.1		**¶622411715**
SOME	X	27 12 40 59.6	43.65N	69.77E		3.8b,3.1		
KRNET	X	27 12 41 01.1–.10	43.62N	69.69E		2.9b,3.1		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=11.0km s-min=6.8km az=145.0. Suspected Mining explosion.
SOME Event type kx.

(536) Sweden

ISC	**X**	**27 13 11 34.0–.75**	**64.77N–.02**	**21.10E–.02**	**0**		**63**	**0-5**
UPP	X	27 13 11 33.8–.10	64.75N	21.09E	0	2.8L		**¶621742923**
DNK	X	27 13 11 34.4–.72	64.75N	21.08E	0	2.8L		
HEL	X	27 13 11 34.5–.20	64.76N	21.09E	0	1.4L		

ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.3km s-min=4.8km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=3.1km az=-1.0. Explosion.

(536) Sweden

HEL	**X**	**27 22 02 31.4–.20**	**67.17N**	**20.60E**	**0**	**1.1L**		**¶635806513**

HEL Event type sh. Error ellipse: s-maj=1.0km s-min=4.2km az=-1.0. Suspected explosion.

(536) Sweden

UPP	**X**	**27 22 03 26.0–.00**	**67.19N**	**20.66E**	**0**	**2.7L**		**¶621742928**

UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**X**	**28 04 11 26.5–.80**	**67.58N–.03**	**33.82E–.03**	**0**		**62**	**0-17**
KOGSR	X	28 04 11 27.9	67.65N	33.75E	0	1.8L		**¶621391385**
HEL	X	28 04 11 28.1–.20	67.64N	33.75E	0	1.7L		
IDC	X	28 04 11 29.4–2.9	67.68N	33.70E	0	3.3,2.2L		
BER	X	28 04 11 29.0–1.9	67.59N	33.84E	0	3.3,2.2L		

ISC Event type kh.
KOGSR Event type kh. Error ellipse: s-maj=1.7km s-min=1.4km az=130.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type sh. Error ellipse: s-maj=1.9km s-min=4.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=29.5km s-min=12.6km az=79.0.
BER Event type sh. Error ellipse: s-maj=14.5km s-min=48.1km az=-1.0. Suspected explosion.

(548) Poland

ISC	**X**	**28 05 22 10.8–.84**	**51.49N–.03**	**16.30E–.03**	**0**		**70**	**1-5**
IPEC	X	28 05 22 11.3–.19	51.47N	16.26E	1	2.4L		**¶621246626**
DNK	X	28 05 22 13.3–1.2	51.42N	16.38E	29–38	3.0L		
PRU	X	28 05 22 14.3	51.35N	16.22E	0	3.0L		
VIE	X	28 05 22 16.0–1.1	51.19N	16.38E	0	2.8L,2.6b		

ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=65.0.
DNK Event type se. Error ellipse: s-maj=29.1km s-min=36.6km az=-1.0. Presumed earthquake.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=7.2km s-min=5.3km az=133.0. 45 km WNW of Wroclaw . Suspected Mining induced.

(326) Southwestern Siberia

IDC	**X**	**28 05 24 24.4–2.2**	**51.87N**	**94.61E**	**0**	**3.0,2.6L**		
ASGSR	X	28 05 24 21.0–2.3	51.65N	94.48E	0	3.0,2.6L		**¶621391387**

IDC Error ellipse: s-maj=31.6km s-min=13.5km az=17.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

ISC	**X**	**28 07 14 00.0–.97**	**52.18N–.08**	**75.85E–.05**	**0**		**10**	**2-7**
NNC	X	28 07 14 01.9–5.3	51.87N	75.54E	0	3.5b,3.1		**¶621391391**
IDC	X	28 07 14 03.8–1.1	51.54N	75.29E	0	3.1,2.3L		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=50.0km s-min=17.3km az=172.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.3km s-min=8.5km az=26.0.

(547) Czech and Slovak Republics

BRA	**X**	**28 08 38 01.8–.39**	**49.12N**	**18.91E**	**0**			**¶635806524**

BRA Event type sm. Error ellipse: s-maj=3.2km s-min=2.3km az=0.0. Suspected Mining explosion.

(547) Czech and Slovak Republics

KRSZO	**X**	**28 08 38 55.3–1.6**	**48.50N**	**20.83E**	**0**			**¶625425199**

KRSZO Event type sx. Error ellipse: s-maj=11.1km s-min=6.0km az=21.0. Suspected Explosion.

(723) Finland-Karelia border region

HEL	**X**	**28 09 10 18.9–.40**	**61.11N**	**29.74E**	**0**	**1.3L**		**¶626727007**

HEL Event type sh. Error ellipse: s-maj=2.5km s-min=5.7km az=-1.0. Suspected explosion.

(721) Finland

HEL	**X**	**28 09 11 26.3–.10**	**61.64N**	**23.30E**	**0**	**1.2L**		**¶625425194**

HEL Event type kh. Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0. Explosion.

(329) Eastern Kazakhstan

ISC	**X**	**28 09 21 58.5–1.5**	**52.56N–.09**	**76.18E–.07**	**0**		**7**	**2-7**
IDC	X	28 09 22 00.9–1.5	51.78N	75.37E	0	2.7,2.2L		**¶621391394**
NNC	X	28 09 22 04.8–2.5	52.10N	76.09E	0	2.9b,2.5		

ISC Event type sm.
IDC Error ellipse: s-maj=26.7km s-min=10.5km az=30.0.
NNC Event type sm. Error ellipse: s-maj=67.5km s-min=16.1km az=43.0. Suspected Mining explosion.

(538) France

STR	**X**	**28 09 38 42.6–.48**	**48N–3.0**	**7E–4.0**	**0**	**1.6**		**¶621242666**

STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.

(555) Western Arabian Peninsula

GII	**X**	**28 10 40 21.7–.00**	**29.812N–.00**	**36.338E–.00**	**0**			**¶626541149**

GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

(721) Finland

HEL	**X**	**28 14 44 52.2–.10**	**60.35N**	**24.94E**	**0**	**0.8L**		**¶626727020**

HEL Event type kh. Error ellipse: s-maj=1.0km s-min=3.3km az=-1.0. Explosion.

(536) Sweden

HEL	**X**	**28 14 44 53.3–.50**	**65.43N**	**20.64E**	**0**	**1.4L**		**¶625425197**

HEL Event type kh. Error ellipse: s-maj=2.2km s-min=9.3km az=-1.0. Explosion.

(456) Montana

ISC	**X**	**28 17 54 48.7–.91**	**45.12N–.05**	**106.86W–.05**	**0**		**35**	**2-9**
NEIC	X	28 17 54 48.3–1.3	45.08N–.02	106.93W–.04	0–1	2.7L		**¶621391402**
IDC	X	28 17 54 49.9–1.7	44.83N	106.72W	0	3.2,3.1L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=5.2km s-min=4.0km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=15.0km az=136.0.

(460) Wyoming

ISC	**X**	**28 22 26 21.6–.98**	**44.17N–.06**	**105.39W–.06**	**0**		**23**	**1-9**
NEIC	X	28 22 26 20.4–1.8	44.13N–.04	105.50W–.04	0–1	3.2L		**¶621391405**
IDC	X	28 22 26 23.4–2.7	44.23N	105.54W	0	3.1,3.0L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=7.7km s-min=4.4km az=333.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=103.6km s-min=16.3km az=142.0.

(536) Sweden

ISC	**X**	**28 23 18 18.0–.77**	**67.78N–.02**	**20.29E–.03**	**0**		**51**	**0-8**
UPP	X	28 23 18 18.7–.00	67.83N	20.21E	0	1.9L		**¶621391407**
HEL	X	28 23 18 19.1–.20	67.82N	20.19E	0	1.5L		
IDC	X	28 23 18 20.1–1.9	67.71N	20.59E	0	2.9,1.8L		

ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.7km s-min=4.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=25.8km s-min=13.2km az=109.0.

(326) Southwestern Siberia

IDC	**X**	**29 05 59 25.7–1.3**	**51.63N**	**82.71E**	**0**	**2.7,2.4L**		
ASGSR	X	29 05 59 44.0–1.4	54.22N	86.41E	0	2.4,2.4L		**¶621391419**

IDC Error ellipse: s-maj=17.9km s-min=11.8km az=111.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(713) Central Kazakhstan

ISC	**X**	**29 07 21 14.7–1.1**	**51.77N–.09**	**74.36E–.05**	**0**		**12**	**3-7**
NNC	X	29 07 21 10.3–3.8	51.93N	74.34E	0	3.4b,3.1		**¶621391424**
IDC	X	29 07 21 13.9–1.3	51.76N	74.35E	0	2.8,2.3L		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=31.1km s-min=13.2km az=162.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.4km s-min=10.2km az=31.0.

(330) Lake Issyk-Kul region

ISC	**X**	**29 07 56 56.9–.99**	**43.99N–.06**	**77.03E–.03**	**0**		**27**	**1-2**
SOME	X	29 07 56 54.5	44.20N	77.00E	20			**¶622411753**
NNC	X	29 07 56 58.3–1.3	43.98N	77.06E	4–13	3.0b,2.6		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.5km s-min=9.7km az=174.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**X**	**29 08 50 23.3–3.4**	**53.86N**	**86.56E**	**0**	**3.0,2.5L**		
ASGSR	X	29 08 50 18.0	54.02N	86.52E	0	2.4,2.5L		**¶621391432**

IDC Error ellipse: s-maj=29.6km s-min=14.8km az=81.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(721) Finland

HEL	**X**	**29 10 01 00.0–.10**	**65.10N**	**25.68E**	**0**	**1.1L**		**¶626727036**

HEL Event type sh. Error ellipse: s-maj=0.7km s-min=1.6km az=-1.0. Suspected explosion.

(536) Sweden

UPP	**X**	**29 10 01 01.1–.30**	**67.82N**	**20.27E**	**0**	**2.2L**		
HEL	X	29 10 01 02.3–.40	67.88N	20.09E	0	1.1L		**¶621742961**

UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
HEL Event type sh. Error ellipse: s-maj=1.5km s-min=7.6km az=-1.0. Suspected explosion.

(723) Finland-Karelia border region

HEL	**X**	**29 10 11 37.2–.20**	**64.70N**	**30.66E**	**0**	**1.3L**		**¶625334695**

HEL Event type kh. Error ellipse: s-maj=1.0km s-min=5.3km az=-1.0. Explosion.

(721) Finland

HEL	**X**	**29 10 11 59.1–.10**	**63.65N**	**22.89E**	**0**	**1.1L**		**¶626727037**

HEL Event type kh. Error ellipse: s-maj=0.8km s-min=2.4km az=-1.0. Explosion.

(715) Tajikistan

ISC	**X**	**29 10 13 09.0–4.1**	**40.8N–.10**	**69.3E–.20**	**10**		**9**	**2-3**
KRNET	X	29 10 13 07.5–.10	40.84N	69.14E		2.7b		**¶622411754**

ISC Event type se.

(723) Finland-Karelia border region

HEL	**X**	**29 10 12 22.4–.20**	**64.69N**	**30.67E**	**0**	**1.9L**		
MOS	X	29 10 12 22.0–.70	64.72N–.05	30.91E–.03	0	1.9		**¶626727038**
BER	X	29 10 12 22.0–1.1	64.66N	31.51E	0	1.9		

HEL Event type kh. Error ellipse: s-maj=0.7km s-min=3.4km az=-1.0. Explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
BER Event type sh. Error ellipse: s-maj=13.5km s-min=37.7km az=-1.0. Suspected explosion.

(713) Central Kazakhstan

NNC	**X**	**29 13 57 21.3–.68**	**43.52N**	**69.89E**	**0**	**1.5**		**¶622411758**

NNC Event type sm. Error ellipse: s-maj=16.0km s-min=3.4km az=42.0. Suspected Mining explosion.

(464) Minnesota

ISC	**X**	**29 16 55 41.8–.93**	**47.54N–.05**	**92.68W–.06**	**0**		**15**	**1-21**
NEIC	X	29 16 55 43.2–.92	47.55N–.07	92.69W–.07	0–2	3.0		**¶621391450**
IDC	X	29 16 55 46.8–3.6	47.57N	93.27W	0	3.3,3.1b		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=12.1km s-min=7.1km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.5km s-min=17.7km az=97.0.

(460) Wyoming

ISC	**X**	**29 20 00 44.0–.94**	**43.75N–.06**	**105.36W–.05**	**0**		**107**	**1-9**
NEIC	X	29 20 00 43.4–2.3	43.72N–.05	105.43W–.04	0–1	3.4L		**¶621391462**
IDC	X	29 20 00 45.2–2.4	43.90N	105.44W	0	3.6,2.7L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.5km s-min=5.0km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=68.2km s-min=13.5km az=145.0.

(320) Kyrgyzstan-Xinjiang border region

ISC	**X**	**29 21 01 45.9–1.4**	**41.44N–.06**	**78.50E–.04**	**0**		**63**	**1-6**
KRNET	X	29 21 01 44.0–.10	41.40N	78.52E	14	3.0b		**¶622411767**
SOME	X	29 21 01 44.4	41.37N	78.52E	20	3.0b		
NNC	X	29 21 01 46.3–.86	41.42N	78.43E	0	3.5b,3.1		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.0km s-min=3.5km az=167.0. Suspected Mining explosion.

(721) Finland

HEL	**X**	**30 04 03 50.4–.10**	**65.78N**	**24.69E**	**0**	**0.9L**		**¶626727051**

HEL Event type sh. Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**X**	**30 04 05 37.7**	**67.67N**	**33.77E**	**0**	**1.1L**		**¶625334753**

KOGSR Event type kh. Error ellipse: s-maj=2.5km s-min=0.6km az=150.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**X**	**30 04 05 52.2**	**67.67N**	**33.73E**	**0**	**1.4L**		**¶635812058**

KOGSR Event type kh. Error ellipse: s-maj=3.3km s-min=1.7km az=140.0. Khibiny, mines Kirovsk, Yukspor.

(329) Eastern Kazakhstan

ISC	**X**	**30 09 21 31.2–2.1**	**50.2N–.10**	**76.29E–.09**	**0**		**25**	**1-6**
IDC	X	30 09 21 29.4–1.6	50.15N	76.12E	0	2.8,2.1L		**¶621395165**
NNC	X	30 09 21 30.8–.90	49.95N	76.36E	0	2.9b,2.9		

ISC Event type sm.
IDC Error ellipse: s-maj=17.5km s-min=10.6km az=31.0.
NNC Event type sm. Error ellipse: s-maj=21.0km s-min=5.4km az=151.0. Suspected Mining explosion.

(548) Poland

ISC	**X**	**30 09 58 18.1–.85**	**50.22N–.03**	**18.93E–.02**	**0**		**64**	**1-4**
PRU	X	30 09 58 18.5	50.24N	18.90E	0			**¶621246712**
VIE	X	30 09 58 18.0–.71	50.31N	18.95E	0	2.6L,2.6b		
IPEC	X	30 09 58 18.3–.16	50.22N	18.97E	1	2.5L,2.6b		
BRA	X	30 09 58 19.1–.55	50.23N	19.00E	7–3	2.1L,2.6b		

ISC Event type kr.

PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=10.8km s-min=1.8km az=166.0. 7 km NNW of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.8km az=0.0.
BRA Event type kr. Error ellipse: s-maj=4.3km s-min=2.3km az=0.0. Mining induced.

(536) Sweden

HEL	**X**	**30 11 20 37.7–.40**	**67.18N**	**20.53E**	**0**	**1.1L**		**¶626727058**

HEL Event type sh. Error ellipse: s-maj=1.6km s-min=7.0km az=-1.0. Suspected explosion.

(584) South Africa

PRE	**X**	**30 15 24 26.5–1.3**	**26.06S**	**29.26E**	**0**	**2.1L**		
BGSI	X	30 15 24 26.6–1.7	25.99S	30.09E	88–23	2.7L		**¶624894703**

PRE Event type sh. Error ellipse: s-maj=2.5km s-min=2.2km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=6.8km s-min=12.9km az=-1.0. Presumed earthquake.

(460) Wyoming

ISC	**X**	**30 21 10 37.8–.90**	**43.67N–.05**	**105.29W–.05**	**0**		**49**	**1-14**
NEIC	X	30 21 10 36.6–1.6	43.71N–.06	105.25W–.07	0–1	3.2L		**¶621395200**
IDC	X	30 21 10 39.7–1.4	44.08N	105.67W	0	3.3,3.2L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=11.0km s-min=8.7km az=25.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.9km s-min=11.5km az=142.0.

(548) Poland

ISC	**X**	**31 01 13 01.7–.66**	**51.70N–.03**	**16.11E–.02**	**0**		**187**	**1-12**
DNK	X	31 01 13 02.8–2.2	51.70N	16.12E	0	3.1L		**¶621244540**
VIE	X	31 01 13 03.1–.49	51.60N	16.17E	0	3.6s,3.2L		
BGR	X	31 01 13 03.2–.41	51.63N	16.09E	1	3.2L,3.2L		
IPEC	X	31 01 13 03.1–.19	51.62N	16.18E	1	2.9L,3.2L		
IDC	X	31 01 13 03.1–1.1	51.65N	15.89E	0	3.2,2.8L		
PRU	X	31 01 13 05.4	51.56N	16.05E	0	3.2,2.8L		
GFZ	X	31 01 13 06.2–.47	52N–4.0	16E–3.0	10	3.3b,3.1L		

ISC Event type sr.
DNK Event type sh. Suspected explosion.
VIE Event type sr. 82 km NW of Wroclaw . Suspected Mining induced.
BGR Event type ki.
IPEC Event type ki.
PRU Event type ki.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**X**	**31 01 34 11.4–.83**	**67.59N–.03**	**33.91E–.03**	**0**		**62**	**0-12**
BER	X	31 01 34 11.8–.58	67.49N	34.16E	0	1.9L		**¶621395213**
KOGSR	X	31 01 34 12.6	67.65N	33.85E	0	2.1L		
HEL	X	31 01 34 12.1–.10	67.58N	33.93E	0	1.8L		
IDC	X	31 01 34 14.5–2.6	67.66N	33.75E	0	3.6,2.4L		

ISC Event type sh.
BER Event type sh. Error ellipse: s-maj=4.4km s-min=30.6km az=-1.0. Suspected explosion.
KOGSR Error ellipse: s-maj=1.6km s-min=1.2km az=140.0. Khibiny, mines Rasvumchorr, Central.
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=28.6km s-min=12.4km az=87.0.

(332) Northern Xinjiang

ISC	**X**	**31 09 31 18.4–1.8**	**44.60N–.07**	**82.2E–.10**	**0**		**24**	**2-3**
SOME	X	31 09 31 17.4	44.63N	82.12E	15			**¶624926677**
NNC	X	31 09 31 19.9–2.2	44.65N	82.03E	0	3.5b,3.4		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=24.9km s-min=6.0km az=124.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

HEL	**X**	**31 12 05 15.4–.10**	**67.66N**	**33.73E**	**0**	**1.1L**		
KOGSR	X	31 12 05 15.2	67.67N	33.73E	0	1.5L		**¶625334767**

HEL Event type sh. Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=1.8km s-min=1.4km az=140.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**X**	**31 12 06 10.4**	**67.66N**	**33.75E**	**0**	**1.5L**		**¶635812059**

KOGSR Event type kh. Error ellipse: s-maj=1.9km s-min=1.6km az=150.0. Khibiny, mines Kirovsk, Yukspor.

(584) South Africa

PRE	**X**	**31 13 21 09.8–1.1**	**26.82S**	**29.53E**	**0**	**2.2L**		
BGSI	X	31 13 21 15.5–1.8	26.51S	29.98E	21–36	2.5L		**¶624894706**

PRE Event type sh. Error ellipse: s-maj=2.0km s-min=2.9km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=10.0km s-min=30.0km az=-1.0. Presumed earthquake.

(584) South Africa

PRE	**X**	**31 14 30 07.4–.89**	**26.39S**	**29.09E**	**0**	**1.9L**		
BGSI	X	31 14 30 12.8–1.7	25.98S	29.53E	0–22	2.4L		**¶624894707**

PRE Event type sh. Error ellipse: s-maj=3.5km s-min=2.0km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=8.2km s-min=19.4km az=-1.0. Presumed earthquake.

(584) South Africa

PRE	**X**	**31 15 09 45.1–1.3**	**26.68S**	**27.98E**	**0**	**1.9L**		
BGSI	X	31 15 09 48.0–1.1	26.97S	28.38E	51–70	2.1L		**¶624894708**

PRE Event type sh. Error ellipse: s-maj=2.8km s-min=6.3km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=5.4km s-min=46.7km az=-1.0. Presumed earthquake.

(326) Southwestern Siberia

ASGSR	**XI**	**01 06 09 17.0–1.1**	**54.37N**	**86.90E**	**0**	**2.5**		
IDC	XI	01 06 09 18.4–4.2	54.30N	87.09E	0	2.8,2.5L		**¶621401252**

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=40.9km s-min=21.7km az=66.0.

(332) Northern Xinjiang

ISC	**XI**	**01 07 55 38.5–2.0**	**44.67N–.07**	**82.17E–.10**	**0**		**19**	**2-3**
SOME	XI	01 07 55 41.3	44.67N	82.02E	20			**¶624926705**
NNC	XI	01 07 55 42.9–1.7	44.71N	81.87E	0	3.7b,3.4		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=16.5km s-min=8.4km az=132.0. Suspected Mining explosion.

(548) Poland

ISC	**XI**	**02 01 03 34.5–.82**	**51.64N–.03**	**16.23E–.03**	**0**		**79**	**1-6**
VIE	XI	02 01 03 35.3–.45	51.57N	16.27E	0	2.8b,2.7L		**¶621262018**
IPEC	XI	02 01 03 35.7–.18	51.56N	16.22E	1	2.3L,2.7L		
PRU	XI	02 01 03 38.0	51.51N	16.15E	0	2.3L,2.7L		
DNK	XI	02 01 03 38.8–.79	51.89N	16.30E	0	2.3L,2.7L		

ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=4.7km s-min=3.6km az=60.0. 74 km NW of Wroclaw . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=68.0.
PRU Event type ki.
DNK Event type sh. Error ellipse: s-maj=6.1km s-min=17.4km az=-1.0. Suspected explosion.

(713) Central Kazakhstan

ISC	**XI**	**02 06 59 45.6–.96**	**51.9N–.10**	**74.23E–.08**	**0**		**10**	**3-7**
NNC	XI	02 06 59 45.3–1.9	51.89N	74.30E	0	3.1b,2.8		**¶621401330**
IDC	XI	02 06 59 46.8–1.1	51.91N	74.15E	0	2.9,2.2L		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=27.7km s-min=12.6km az=25.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=27.9km s-min=8.7km az=28.0.

(715) Tajikistan

ISC	**XI**	**02 09 20 09.0–2.8**	**40.46N–.07**	**69.2E–.10**	**33–6**		**21**	**1-4**
ISU	XI	02 09 20 07	40.39N	69.17E	26			**¶622411863**
KRNET	XI	02 09 20 08.7–.10	40.70N	69.15E		2.8b		

ISC Event type se.

(536) Sweden

HEL	**XI**	**02 11 31 17.2–.20**	**63.87N**	**19.64E**	**0**	**1.4L**		**¶631348666**

HEL Event type kh. Error ellipse: s-maj=1.9km s-min=5.0km az=-1.0. Explosion.

(721) Finland

ISC	**XI**	**02 12 32 37.8–.75**	**63.97N–.02**	**28.16E–.02**	**0**		**58**	**1-9**
HEL	XI	02 12 32 38.8–.10	63.98N	28.13E	0	1.8L		**¶621401341**
IDC	XI	02 12 32 39.9–2.2	63.88N	28.26E	0	2.9,2.0L		
MOS	XI	02 12 32 39.0–.20	63.99N–.02	28.17E–.02	0	1.8,2.0L		

ISC Event type km.
HEL Event type sh. Suspected explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(456) Montana

ISC	**XI**	**02 17 19 30.3–1.1**	**45.13N–.05**	**106.78W–.07**	**0**		**67**	**2-9**
NEIC	XI	02 17 19 29.5–1.9	45.14N–.02	106.78W–.04	0–1	2.8L		**¶621401351**
IDC	XI	02 17 19 31.6–1.7	44.86N	106.70W	0	3.5,3.2L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=5.0km s-min=3.7km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.9km s-min=12.7km az=138.0.

(536) Sweden

ISC	**XI**	**02 18 00 59.1–.75**	**67.08N–.02**	**20.95E–.02**	**0**		**68**	**0-7**
HEL	XI	02 18 00 58.8–.20	67.05N	20.91E	0	2.2L		**¶621401352**
UPP	XI	02 18 00 59.0–.10	67.06N	20.97E	0	2.4L		
IDC	XI	02 18 01 00.9–1.5	67.09N	21.06E	0	2.7,1.9L		

ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=5.2km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=20.1km s-min=11.8km az=104.0.

(460) Wyoming

ISC	**XI**	**02 20 02 02.2–.97**	**43.79N–.07**	**105.29W–.06**	**0**		**67**	**1-90**
NEIC	XI	02 20 02 01.8–.63	43.78N–.06	105.32W–.06	0–1	3.1L		**¶621401359**
IDC	XI	02 20 02 03.9–2.3	44.20N	105.70W	0	3.9b,3.7s		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.0km s-min=7.7km az=342.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=89.3km s-min=11.5km az=144.0.

(536) Sweden

HEL	**XI**	**03 00 22 36.4–.20**	**67.82N**	**20.16E**	**0**	**1.4L**		**¶635782399**

HEL Event type sh. Error ellipse: s-maj=0.6km s-min=3.1km az=-1.0. Suspected explosion.

(536) Sweden

UPP	**XI**	**03 00 23 19.7–.10**	**67.84N**	**20.20E**	**0**	**2.2L**		**¶621743015**

UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(548) Poland

BRA	**XI**	**03 01 02 02.0–.63**	**50.22N**	**19.01E**	**0**			**¶626256079**

BRA Event type kr. Error ellipse: s-maj=4.6km s-min=2.3km az=0.0. Mining induced.

(332) Northern Xinjiang

ISC	**XI**	**03 04 06 27.7–2.1**	**44.17N–.09**	**81.7E–.10**	**0**		**9**	**2-3**
SOME	XI	03 04 06 21.0	44.18N	82.08E	15			**¶624926772**
NNC	XI	03 04 06 30.0–1.6	44.33N	81.52E	0	2.6b,2.3		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.1km s-min=8.0km az=126.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**XI**	**03 05 24 50.4–5.0**	**54.59N**	**86.48E**	**0**	**2.9,2.5L**		
ASGSR	XI	03 05 24 47.0–1.1	54.61N	86.55E	0	2.5,2.5L		**¶621412219**

IDC Error ellipse: s-maj=42.8km s-min=16.8km az=53.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(332) Northern Xinjiang

NNC	**XI**	**03 06 23 38.5–2.2**	**43.30N**	**82.09E**	**0**	**3.5b,2.9**		
SOME	XI	03 06 23 37.9	43.27N	82.07E	10	3.5b,2.9		**¶624926775**

NNC Event type sm. Error ellipse: s-maj=15.4km s-min=14.5km az=3.0. Suspected Mining explosion.

(326) Southwestern Siberia

ASGSR	**XI**	**03 06 29 51.0–.50**	**54.21N**	**87.23E**	**0**	**2.6**		
IDC	XI	03 06 29 53.9–4.1	54.21N	87.24E	0	2.9,2.5L		**¶621412222**

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=38.7km s-min=19.6km az=70.0.

(326) Southwestern Siberia

IDC	**XI**	**03 06 44 37.5–4.3**	**54.34N**	**86.09E**	**0**	**3.0,2.5L**		
ASGSR	XI	03 06 44 35.0–1.4	54.32N	86.04E	0	2.4,2.5L		**¶621412223**

IDC Error ellipse: s-maj=34.9km s-min=13.0km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**XI**	**03 06 55 15.3–3.8**	**54.28N**	**86.10E**	**0**	**3.0,2.8L**		
ASGSR	XI	03 06 55 12.0–1.7	54.30N	86.13E	0	2.4,2.8L		**¶621412224**

IDC Error ellipse: s-maj=32.9km s-min=11.5km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

ISC	**XI**	**03 07 16 19.1–1.6**	**48.63N–.06**	**77.7E–.10**	**0**		**11**	**2-7**
IDC	XI	03 07 16 18.4–3.4	48.63N	77.73E	0	2.6,2.2L		**¶621412227**
NNC	XI	03 07 16 20.7–2.4	48.68N	77.75E	0	3.0b,2.6		

ISC Event type sm.
IDC Error ellipse: s-maj=35.4km s-min=11.9km az=70.0.
NNC Event type sm. Error ellipse: s-maj=25.9km s-min=8.4km az=67.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**XI**	**03 09 51 23.2–3.5**	**53.67N**	**87.74E**	**0**	**2.9,2.3L**		
ASGSR	XI	03 09 51 22.0–1.2	53.64N	88.01E	0	2.8,2.3L		**¶621412237**

IDC Error ellipse: s-maj=27.3km s-min=20.7km az=66.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(713) Central Kazakhstan

NNC	**XI**	**03 10 12 11.5–4.1**	**43.49N**	**69.74E**	**0**	**3.7b,3.0**		
SOME	XI	03 10 12 09.4	43.62N	69.78E		3.7b,3.0		**¶624926789**

NNC Event type sm. Error ellipse: s-maj=27.5km s-min=9.3km az=129.0. Suspected Mining explosion.
SOME Event type kx.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XI**	**03 10 31 19.7–.97**	**67.66N–.03**	**34.26E–.04**	**0**		**48**	**0-5**
BER	XI	03 10 31 19.8–1.8	67.59N	34.59E	0	1.8L		**¶625334954**
HEL	XI	03 10 31 19.6–.30	67.62N	34.40E	0	1.8L		
KOGSR	XI	03 10 31 20.5	67.69N	34.19E	0	2.2L		

ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=15.3km s-min=35.2km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=5.7km az=-1.0. Explosion.
KOGSR Event type kh. Error ellipse: s-maj=2.1km s-min=1.1km az=120.0. Khibiny, mines Koashva, Nyurkpakh.

(383) Northwestern Balkan Peninsula

LJU	**XI**	**03 13 02 54.6**	**45.85N**	**14.68E**	**0**	**0.6L**		**¶625607758**

LJU Event type kh. Explosion.

(548) Poland

ISC	**XI**	**04 05 50 05.4–.58**	**51.67N–.02**	**16.20E–.02**	**0**	**3.7b**	**182**	**1-84**
DNK	XI	04 05 50 05.0–2.3	51.49N	16.11E	11–59	2.8L		**¶621261764**
IDC	XI	04 05 50 06.2–.73	51.59N	16.06E	0	3.6b,3.6		
GFZ	XI	04 05 50 07.4–.37	52N–3.0	16E–3.0	10	4.2b,3.6L		
IPEC	XI	04 05 50 07.0–.18	51.57N	16.25E	1	3.4L,3.6L		
VIE	XI	04 05 50 08.7–.60	51.46N	15.97E	0	3.7s,3.4L		

ISC Event type sr.
DNK Event type se. Error ellipse: s-maj=48.9km s-min=47.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=11.2km s-min=7.8km az=115.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=66.0.
VIE Event type sr. Error ellipse: s-maj=4.9km s-min=3.7km az=20.0. 83 km WNW of Wroclaw . Suspected Mining induced.

(549) Hungary

KRSZO	**XI**	**04 08 41 27.7–2.9**	**48.39N**	**21.28E**	**0**	**1.7L**		**¶625426389**

KRSZO Event type sx. Error ellipse: s-maj=21.0km s-min=5.3km az=60.0. Suspected Explosion.

(366) Turkey

ISK	**XI**	**04 09 07 01.9**	**37.27N**	**37.19E**	**0–0**	**1.7L**		
AFAD	XI	04 09 07 04.5	37.33N	37.03E	6–3	1.2L		**¶621821840**

ISK Event type sm. Suspected Mining explosion.
AFAD Event type se. Presumed earthquake.

(332) Northern Xinjiang

ISC XI 04 09 25 09.5–2.4 44.50N–.09 82.5E–.10 0 33 2-5
SOME XI 04 09 25 12.9 44.60N 82.20E 20 ¶624926822
NNC XI 04 09 25 15.9–1.6 44.66N 81.99E 0 3.8b,3.3
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.8km s-min=4.6km az=124.0. Suspected Mining explosion.
(584) South Africa
ISC XI 04 11 29 31.2–1.0 27.27S–.04 22.88E–.07 0 24 2-7
PRE XI 04 11 29 28.8–.76 27.27S 23.28E 0 2.5L ¶624894728
BGSI XI 04 11 29 35.3–.50 27.24S 22.84E 0–3 2.5L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=7.1km s-min=10.7km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=1.8km s-min=2.2km az=-1.0. Presumed earthquake.
(536) Sweden
DNK XI 04 13 50 33.1–.35 56.04N 13.99E 0 1.3L
¶635729930
DNK Event type kh. Error ellipse: s-maj=3.8km s-min=1.6km az=-1.0. Explosion.
(722) Norway-Murmansk border region
ISC XI 04 15 46 38.8–.28 19.00N–.03 145.07E–.04 571–2 4.9b 1177 5-168
BJI XI 04 15 46 36.1 19.02N 145.28E 560 4.9b,4.8b ¶621412304
GFZ XI 04 15 46 38.8–.48 19N–2.0 145E–3.0 558–6 6.1,6.0
GCMT XI 04 15 46 38.5–.20 18.95N–.02 145.02E–.02 553–1 5.3W,6.0
PTWC XI 04 15 46 38 19.00N 145.10E 557 5.2b,6.0
GFZ XI 04 15 46 38.8 18.98N 145.05E 558 5.3W,6.0
NEIC XI 04 15 46 38.8–1.4 19.02N–.07 145.06E–.09 563–4 4.8b,6.0
DJA XI 04 15 46 38.6–.60 19N–2.0 145E–3.0 555–7 5.9,5.8
IDC XI 04 15 46 39.2–.48 18.99N 145.04E 573–4 5.0,4.1b
NEIC XI 04 15 46 39 19.03N 145.03E 564 5.0,4.1b
NEIC XI 04 15 46 39.4 19.13N 144.82E 570 5.3,4.1b
ISC Event type se.
GFZ Error ellipse: s-maj=5.8km s-min=4.0km az=77.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202111041546A. Moment Tensor Solution. s89,c130;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.77±.02 $M_{\theta\theta}$0.24±.04; $M_{\phi\phi}$0.53±.04; $M_{r\theta}$0.34±.04; $M_{\theta\phi}$-0.82±.04; $M_{\phi r}$0.47±.04; Best double couple: NP1:ϕ_s289.00000°,δ52.00000°,λ-139.00000°. NP2:ϕ_s171.00000°,δ59.00000°,λ-46.00000°. Principal axes: T 1.2320,Plg5.0000°,Azm232.0000° ; N -0.0260,Plg37.0000°,Azm325.0000°; P -1.2060,Plg53.0000°,Azm136.0000° $M_0$1.21900×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.75 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.74 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.52 $M_{\phi r}$0.24 NP1: ϕ_s180.32669°,δ53.98044°,λ-49.92865°. NP2:ϕ_s305.28234°,δ51.76113°,λ-131.52160°. Principal axes: T 1.0132,Plg1.2512°,Azm243.2423°; N 0.0184,Plg31.3771°,Azm334.0055° ; P -1.0317,Plg58.5922°,Azm151.1924° $M_0$1.02258×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.6km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=8.8km s-min=5.5km az=83.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$0.80 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.63 $M_{\phi r}$0.32 NP1:ϕ_s301.98000°,δ52.22000° ,λ-135.16000°. NP2:ϕ_s180.63000°,δ56.14000°,λ-47.55000°. Principal axes: T 1.1477,Plg2.0000°,Azm242.0000°; N 0.0071,Plg34.0000°,Azm334.0000° ; P -1.1548,Plg56.0000°,Azm149.0000° $M_0$1.15000×10^{17}
(460) Wyoming
ISC XI 04 19 10 51.8–.96 44.19N–.06 105.58W–.05 0 28 1-9
NEIC XI 04 19 10 51.5–1.1 44.35N–.06 105.44W–.08 0–1 2.9L ¶621412312
IDC XI 04 19 10 54.6–1.9 44.39N 105.73W 0 3.1,1.8L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=12.8km s-min=5.5km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.0km s-min=12.5km az=143.0.
(460) Wyoming
ISC XI 04 22 25 28.9–.97 44.95N–.06 107.00W–.05 0 25 2-9
NEIC XI 04 22 25 29.6–1.4 45.08N–.04 106.92W–.02 0–1 2.7L ¶621412320
IDC XI 04 22 25 30.2–1.9 44.59N 106.42W 0 3.8,2.2L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=7.2km s-min=2.6km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.3km s-min=12.6km az=140.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC XI 05 00 49 47.1–.00 67.53N–.04 34.02E–.05 0 28 0-12
KOGSR XI 05 00 49 50.7 67.65N 33.77E 0 2.0L ¶621413952
BER XI 05 00 49 50.6–2.1 67.57N 34.12E 0 1.6L
IDC XI 05 00 49 51.2–2.6 67.51N 33.62E 0 3.4,2.3L
ISC Event type kh.
KOGSR Event type kh. Error ellipse: s-maj=2.1km s-min=1.5km az=120.0. Khibiny, mines Kirovsk, Yukspor.
BER Event type sh. Error ellipse: s-maj=13.8km s-min=42.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=28.4km s-min=12.1km az=88.0.
(547) Czech and Slovak Republics
ISC XI 05 07 36 37.7–.77 49.87N–.03 18.53E–.02 0 74 0-4
IPEC XI 05 07 36 38.9–.29 49.83N 18.56E 1 2.3L ¶621384525
VIE XI 05 07 36 39.0–.41 49.85N 18.50E 0 2.6L,2.3b
BRA XI 05 07 36 39.4–.33 49.85N 18.49E 11–3 2.0L,2.3b
PRU XI 05 07 36 41.9 49.83N 18.33E 0 2.0L,2.3b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=67.0.
VIE Event type sr. Error ellipse: s-maj=5.1km s-min=2.8km az=164.0. 3 km WSW of Karvina . Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=2.1km s-min=1.8km az=0.0. Mining induced.
PRU Event type ki.
(329) Eastern Kazakhstan
ISC XI 05 08 42 22.0–1.6 49.84N–.08 81.68E–.08 0 8 2-5
IDC XI 05 08 42 20.0–1.4 49.79N 81.61E 0 2.6,2.0L ¶621413962
NNC XI 05 08 42 22.2–4.8 49.73N 81.68E 0 3.0b,2.5
ISC Event type sm.
IDC Error ellipse: s-maj=15.3km s-min=11.0km az=83.0.
NNC Event type sm. Error ellipse: s-maj=79.2km s-min=16.5km az=49.0. Suspected Mining explosion.
(713) Central Kazakhstan
ISC XI 05 08 57 24.2–1.0 50.91N–.09 73.59E–.07 0 11 3-11
NNC XI 05 08 57 20.4–1.4 50.85N 73.69E 0 3.6b,3.3 ¶621413963
IDC XI 05 08 57 23.7–1.2 50.95N 73.70E 0 3.0,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.9km s-min=11.1km az=12.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.5km s-min=8.7km az=24.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL XI 05 12 05 27.4–.10 67.70N 33.67E 0 1.2L
BER XI 05 12 05 27.8–.53 67.57N 33.90E 0 1.2L ¶625334990
KOGSR XI 05 12 05 27.3 67.67N 33.72E 0 1.5L
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=7.1km s-min=14.5km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=2.1km s-min=1.6km az=140.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XI 05 12 06 16.0 67.67N 33.75E 0 1.4L
¶635891142
KOGSR Event type kh. Error ellipse: s-maj=1.5km s-min=1.0km az=150.0. Khibiny, mines Kirovsk, Yukspor.
(548) Poland
PRU XI 05 12 20 54.5 50.08N 18.42E 0
¶625226080
PRU Event type ki.
(460) Wyoming
ISC XI 05 20 04 06.4–1.0 43.83N–.06 105.47W–.05 0 56 1-11
NEIC XI 05 20 04 05.9–2.1 43.83N–.06 105.53W–.08 0–1 3.0L ¶621413992
IDC XI 05 20 04 09.4–1.4 44.51N 106.06W 0 3.2,3.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.5km s-min=9.4km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.5km s-min=10.7km az=142.0.
(460) Wyoming
ISC XI 05 21 08 00.4–1.1 43.86N–.06 105.52W–.05 0 14 1-9
NEIC XI 05 21 08 00.0–1.3 43.86N–.04 105.47W–.06 0–1 2.8L ¶621413994
IDC XI 05 21 08 02.5–2.5 43.83N 105.41W 0 3.0,2.9L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.6km s-min=4.5km az=315.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.8km s-min=13.5km az=147.0.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XI 06 04 04 49.4 67.64N 33.84E 0 1.1L
¶635892536
KOGSR Event type kh. Error ellipse: s-maj=1.5km s-min=1.0km az=150.0. Khibiny, mines Rasvumchorr, Central.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XI 06 04 05 25.7 67.64N 33.78E 0 2.0L
BER XI 06 04 05 24.4–.62 67.48N 34.11E 0 1.6L ¶625334991
HEL XI 06 04 05 29.8–.20 67.80N 33.27E 0 1.6L
KOGSR Event type kh. Error ellipse: s-maj=2.2km s-min=1.4km az=140.0. Khibiny, mines Kirovsk, Yukspor,Khibiny, mines Rasvumchorr, Central.
BER Event type sh. Error ellipse: s-maj=4.4km s-min=15.3km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=3.4km s-min=4.5km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan
ISC XI 06 07 27 27.8–.82 49.95N–.03 78.75E–.05 0 35 1-6
NNC XI 06 07 27 27.1–.60 49.95N 78.70E 0 3.4b,3.1 ¶621415972
IDC XI 06 07 27 29.7–1.1 50.03N 78.81E 0 2.7,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.4km s-min=2.8km az=70.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.5km s-min=8.7km az=56.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL XI 06 13 43 23.0–.30 67.58N 30.40E 0 1.7L
BER XI 06 13 43 17.2–1.4 67.09N 31.54E 0 1.7L ¶635891150
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=7.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=8.9km s-min=28.7km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XI 06 13 43 44.8 67.51N 30.48E 0 2.2L
¶625335000
KOGSR Event type kh. Error ellipse: s-maj=4.3km s-min=2.2km az=30.0. Kovdor City, Mines.
(536) Sweden
UPP XI 06 14 48 50.5–.00 67.85N 20.22E 0 2.5L
HEL XI 06 14 48 52.2–.30 67.85N 20.40E 0 1.1L ¶621743043
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=7.2km az=-1.0. Suspected explosion.
(548) Poland
PRU XI 06 14 49 43.2 50.26N 19.06E 0
BRA XI 06 14 49 44.0–.80 50.23N 19.10E 3–10 ¶625226094
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=4.9km s-min=3.0km az=0.0. Mining induced.
(460) Wyoming
ISC XI 06 19 04 10.6–1.1 43.76N–.06 105.34W–.07 0 15 1-9
NEIC XI 06 19 04 10.0–1.1 43.75N–.05 105.4W–.10 0–1 2.6L ¶621415998
IDC XI 06 19 04 12.0–2.6 43.73N 105.53W 0 2.9,2.7L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=18.1km s-min=4.8km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.9km s-min=17.1km az=151.0.
(456) Montana
ISC XI 06 19 28 31.8–.98 45.98N–.05 106.51W–.06 0 37 1-8
NEIC XI 06 19 28 32.7–1.4 45.81N–.03 106.73W–.08 0–1 3.1L ¶621416000
IDC XI 06 19 28 34.5–1.6 45.60N 106.29W 0 3.0,2.8L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.2km s-min=4.4km az=252.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=66.7km s-min=10.3km az=137.0.
(536) Sweden
HEL XI 07 00 18 32.1–.20 67.86N 20.10E 0 1.5L
¶635891158
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=3.6km az=-1.0. Suspected explosion.
(536) Sweden
UPP XI 07 00 19 22.0–.00 67.87N 20.19E 0 2.1L
¶621743046
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(332) Northern Xinjiang
ISC XI 07 07 28 09.4–3.9 44.6N–.10 83.0E–.20 0 11 2-3
NNC XI 07 07 28 16.1–4.3 44.64N 82.01E 0 2.9b,2.5 ¶624926924
SOME XI 07 07 28 38.7 44.42N 81.07E 10 2.9b,2.5
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=66.0km s-min=11.7km az=118.0. Suspected Mining explosion.
(548) Poland
ISC XI 07 14 08 16.2–.81 51.58N–.03 16.15E–.03 0 91 1-6
DNK XI 07 14 08 16.7–1.0 51.38N 15.97E 27–31 3.2L ¶621384561
VIE XI 07 14 08 17.6–.39 51.48N 16.16E 0 3.9s,2.9L
IPEC XI 07 14 08 17.0–.18 51.53N 16.15E 1 2.7L,2.9L
PRU XI 07 14 08 19.2 51.48N 16.13E 0 2.7L,2.9L
ISC Event type sr.
DNK Event type se. Error ellipse: s-maj=23.8km s-min=25.8km az=-1.0. Presumed earthquake.
VIE Event type sr. Error ellipse: s-maj=4.2km s-min=2.6km az=52.0. 74 km NW of Wroclaw . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=65.0.
PRU Event type ki.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XI 08 04 06 29.0 67.64N 33.85E 0 1.6L
¶625335071
KOGSR Event type kh. Error ellipse: s-maj=2.0km s-min=1.4km az=140.0. Khibiny, mines Rasvumchorr, Central.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XI 08 04 07 16.8 67.64N 33.85E 0 1.3L
¶635891143
KOGSR Event type kh. Error ellipse: s-maj=2.3km s-min=1.3km az=140.0. Khibiny, mines Rasvumchorr, Central.
(326) Southwestern Siberia
ISC XI 08 06 27 13.0–3.5 54.6N–.10 86.2E–.20 0 16 1-9
ASGSR XI 08 06 27 09.0–.70 54.63N 86.36E 0 2.9 ¶621423078
NNC XI 08 06 27 11.6–1.7 54.68N 86.28E 0 3.7b,3.5
IDC XI 08 06 27 13.7–3.2 54.53N 86.25E 0 3.9,3.3L
ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=29.1km s-min=9.1km az=144.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.2km s-min=12.3km az=57.0.
(329) Eastern Kazakhstan
ISC XI 08 07 16 29.0–.97 49.98N–.05 78.70E–.07 0 30 1-6
IDC XI 08 07 16 28.8–1.2 50.02N 78.81E 0 2.8,1.8L ¶621423084
NNC XI 08 07 16 29.1–.99 50.01N 78.69E 0 3.5b,3.0
ISC Event type sm.
IDC Error ellipse: s-maj=13.1km s-min=9.4km az=59.0.
NNC Event type sm. Error ellipse: s-maj=19.7km s-min=5.0km az=80.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC XI 08 08 22 05.5–1.6 49.94N–.07 81.93E–.07 0 7 2-4
IDC XI 08 08 22 09.1–1.6 49.69N 81.51E 0 2.7,1.7L ¶624926963

NNC XI 08 08 22 10.8–4.8 49.56N 81.57E 0 3.2b,2.8
ISC Event type sm.
IDC Error ellipse: s-maj=16.6km s-min=11.6km az=78.0.
NNC Event type sm. Error ellipse: s-maj=67.2km s-min=20.5km az=55.0. Suspected Mining explosion.

(723) Finland-Karelia border region

KOGSR XI 08 10 00 48.9 64.74N 30.50E 0 1.6L
HEL XI 08 10 00 47.0–.20 64.69N 30.69E 0 1.4L **¶625335072**
KOGSR Event type kh. Error ellipse: s-maj=19.8km s-min=13.0km az=170.0. Kostomuksha, Karelia.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=5.1km az=-1.0. Suspected explosion.

(721) Finland

HEL XI 08 10 02 03.7–.00 62.89N 22.67E 0 1.3L
¶625426940
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Explosion.

(538) France

STR XI 08 10 57 12.7–.41 47N–2.0 1W–3.0 0 1.6
¶626069202
STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.

(538) France

STR XI 08 10 57 40.2–.53 48N–3.0 1W–3.0 0 1.7
¶626069199
STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.

(548) Poland

VIE XI 08 13 08 37.5–.21 49.19N 16.13E 0 1.4L,1.1b
BRA XI 08 13 08 36.2–1.6 50.43N 19.14E 0 1.4L,1.1b **¶621718257**
VIE Event type sm. Error ellipse: s-maj=1.9km s-min=1.1km az=173.0. 19 km E of Trebic . Suspected Mining explosion.
BRA Event type sm. Error ellipse: s-maj=10.9km s-min=4.1km az=0.0. Suspected Mining explosion.

(584) South Africa

PRE XI 08 14 10 14.2–1.2 26.04S 29.23E 0 2.2L
BGSI XI 08 14 10 12.1–.61 25.90S 29.86E 0–7 2.5L **¶624894763**
PRE Event type sh. Error ellipse: s-maj=3.1km s-min=2.3km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=2.6km s-min=7.0km az=-1.0. Presumed earthquake.

(536) Sweden

UPP XI 08 14 41 32.7–.10 55.67N 13.44E 0 1.9L
DNK XI 08 14 41 32.5–.46 55.62N 13.36E 0 1.9L **¶621743061**
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=3.5km s-min=3.8km az=-1.0. Explosion.

(456) Montana

ISC XI 08 20 16 53.8–1.1 45.16N–.05 106.89W–.06 0 38 2-11
NEIC XI 08 20 16 52.3–2.0 45.16N–.06 106.82W–.05 0–1 2.8L **¶621423119**
IDC XI 08 20 16 52.3–1.7 44.91N 106.71W 0 3.3,2.4L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.2km s-min=5.6km az=352.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.5km s-min=12.5km az=138.0.

(329) Eastern Kazakhstan

ISC XI 09 07 18 26.4–1.2 49.58N–.07 81.56E–.09 0 8 2-8
NNC XI 09 07 18 24.8–1.9 49.81N 81.88E 0 3.0b,2.6 **¶621423140**
IDC XI 09 07 18 25.8–1.4 49.67N 81.57E 0 2.8,1.3L
SOME XI 09 07 18 26.1 49.42N 81.20E 2.8,1.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=24.9km s-min=4.8km az=50.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.6km s-min=11.2km az=77.0.
SOME Event type kx.

(332) Northern Xinjiang

ISC XI 09 07 29 11.7–1.3 44.66N–.05 82.11E–.07 0 34 2-4
SOME XI 09 07 29 13.3 44.72N 81.98E 15 **¶624926991**
NNC XI 09 07 29 14.0–1.2 44.69N 81.94E 0 3.9b,3.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=12.3km s-min=5.4km az=125.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC XI 09 08 34 51.3–2.8 54.58N 83.71E 0 2.7,2.2L
ASGSR XI 09 08 34 49.0–.50 54.62N 83.67E 0 2.7,2.2L **¶621423144**
IDC Error ellipse: s-maj=24.9km s-min=13.8km az=153.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(538) France

STR XI 09 11 23 31.8–.58 48N–3.0 2W–5.0 0 1.6
¶626069217
STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.

(538) France

STR XI 09 11 23 42.6–.59 48N–3.0 0W–4.0 0 1.4
¶626069214
STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.

(721) Finland

HEL XI 09 12 04 22.5–.10 64.12N 28.12E 0 1.3L
¶631349027
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.5km az=-1.0. Explosion.

(715) Tajikistan

ISC XI 09 12 22 27.3–1.4 41.14N–.04 69.71E–.07 0 24 1-5
SOME XI 09 12 22 23.9 40.88N 69.73E 10 **¶622412065**
NNC XI 09 12 22 25.8–5.0 40.94N 69.67E 0 3.3b,3.1
KRNET XI 09 12 22 28.2–.10 41.13N 69.81E 2.5b,3.1
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=33.6km s-min=24.4km az=37.0. Suspected Mining explosion.

(716) Kyrgyzstan

ISC XI 09 13 39 31.3–1.2 41.05N–.04 70.27E–.07 0 22 1-5
KRNET XI 09 13 39 25.7–.10 41.30N 69.70E 2.1b **¶622412067**
SOME XI 09 13 39 31.0 40.95N 70.15E 15 2.1b
NNC XI 09 13 39 32.0–1.9 40.95N 70.21E 0 3.2b,3.0
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=14.8km s-min=8.6km az=40.0. Suspected Mining explosion.

(536) Sweden

ISC XI 09 18 00 15.5–.74 67.09N–.02 20.95E–.02 0 69 0-7
UPP XI 09 18 00 15.0–.10 67.05N 20.94E 0 2.3L **¶621385509**
IDC XI 09 18 00 16.1–1.7 67.16N 20.74E 0 3.0,2.2L
HEL XI 09 18 00 16.1–.20 67.09N 21.03E 0 2.1L,2.2L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=25.0km s-min=12.2km az=95.0.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=5.5km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC XI 09 18 45 55.4–.76 67.59N–.04 33.82E–.04 0 28 0-23
KOGSR XI 09 18 45 56.7 67.65N 33.77E 0 2.3L **¶621423165**
IDC XI 09 18 45 57.4–1.3 67.59N 33.78E 0 3.6,3.4b
BER XI 09 18 45 57.6–1.6 67.62N 33.95E 0 1.9L,3.4b
ISC Event type kh.
KOGSR Event type kh. Error ellipse: s-maj=2.7km s-min=2.1km az=140.0. Khibiny, mines Kirovsk, Yukspor.
IDC Error ellipse: s-maj=15.3km s-min=11.2km az=54.0.
BER Event type sh. Error ellipse: s-maj=17.2km s-min=32.6km az=-1.0. Suspected explosion.

(713) Central Kazakhstan

NNC XI 10 06 59 29.0–2.2 51.84N 74.31E 0 3.1b,2.8
¶635844036
NNC Event type sm. Error ellipse: s-maj=27.0km s-min=15.4km az=22.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC XI 10 06 59 58.2–4.7 55.52N 86.39E 0 2.9,2.6L
ASGSR XI 10 06 59 53.0–.90 55.84N 85.90E 0 2.7,2.6L **¶621440050**
IDC Error ellipse: s-maj=37.6km s-min=28.0km az=35.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(584) South Africa

PRE XI 10 12 28 04.0–1.1 25.72S 30.02E 0 2.3L
BGSI XI 10 12 28 04.4–.38 24.12S 25.15E 568–3 2.4L **¶625904758**
PRE Event type sh. Error ellipse: s-maj=2.6km s-min=4.0km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=3.4km s-min=16.2km az=-1.0. Presumed earthquake.

(548) Poland

ISC XI 10 21 17 44.4–.69 50.30N–.03 18.98E–.02 0 77 1-20
IDC XI 10 21 17 43.5–3.0 50.10N 19.16E 0 3.4,2.4L **¶621394925**
IPEC XI 10 21 17 45.7–.16 50.20N 18.98E 1 2.5L,2.4L
VIE XI 10 21 17 45.0–.42 50.30N 18.95E 0 2.6L,2.3b
PRU XI 10 21 17 46.3 50.21N 18.95E 0 2.6L,2.3b
BRA XI 10 21 17 46.1–.53 50.29N 18.99E 12–2 2.3L,2.3b
ISC Event type kr.
IDC Error ellipse: s-maj=46.2km s-min=14.1km az=137.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.8km az=0.0.
VIE Event type sr. Error ellipse: s-maj=4.4km s-min=2.1km az=170.0. 6 km NNW of Katowice . Suspected Mining induced.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=3.7km s-min=1.8km az=0.0. Mining induced.

(548) Poland

ISC XI 11 06 02 43.0–.72 51.67N–.03 15.99E–.02 0 79 1-12
IDC XI 11 06 02 44.8–1.3 51.66N 15.92E 0 3.2,2.8L **¶621406697**
DNK XI 11 06 02 44.9–1.1 51.73N 15.88E 0 2.4L,2.8L
PRU XI 11 06 02 45.9 51.54N 15.96E 0 2.4L,2.8L
VIE XI 11 06 02 47.5–.91 51.39N 15.87E 0 2.8L,2.6b
ISC Event type sr.
IDC Error ellipse: s-maj=17.6km s-min=12.1km az=116.0.
DNK Event type sh. Error ellipse: s-maj=8.6km s-min=25.7km az=-1.0. Suspected explosion.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=7.6km s-min=5.4km az=88.0. 23 km W of Lubin . Suspected Mining induced.

(329) Eastern Kazakhstan

ISC XI 11 07 33 50.7–.89 49.97N–.04 78.86E–.07 0 30 1-6
NNC XI 11 07 33 49.6–.35 49.99N 78.79E 0 3.4b,2.9 **¶621449512**
IDC XI 11 07 33 56.9–1.2 50.41N 78.91E 0 2.9,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.7km s-min=1.9km az=75.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.4km s-min=10.5km az=36.0.

(723) Finland-Karelia border region

HEL XI 11 10 18 51.5–.30 61.08N 29.95E 0 1.7L
¶625427258
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0. Suspected explosion.

(332) Northern Xinjiang

ISC XI 11 10 49 32.3–1.6 44.48N–.06 82.19E–.09 0 31 2-5
SOME XI 11 10 49 33.0 44.52N 82.30E 20 **¶624927076**
NNC XI 11 10 49 33.8–1.5 44.60N 82.16E 0 3.6b,3.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=14.3km s-min=5.1km az=129.0. Suspected Mining explosion.

(536) Sweden

ISC XI 11 11 52 06.9–.94 67.83N–.03 20.20E–.03 0 23 0-3
HEL XI 11 11 52 06.6–.50 67.80N 20.11E 0 0.9L **¶621743098**
UPP XI 11 11 52 07.0–.00 67.85N 20.21E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=10.2km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.

(721) Finland

HEL XI 11 11 58 17.8–.10 64.56N 24.56E 0 1.2L
¶631349078
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.5km az=-1.0. Explosion.

(536) Sweden

ISC XI 11 13 14 28.6–.73 65.72N–.02 22.06E–.02 0 63 0-5
DNK XI 11 13 14 29.8–.46 65.69N 22.13E 0 2.8L **¶621743100**
HEL XI 11 13 14 29.9–.10 65.70N 22.12E 0 1.3L
UPP XI 11 13 14 29.3–.10 65.69N 22.13E 0 2.8L
ISC Event type kh.
DNK Event type kh. Explosion.
HEL Event type sh. Error ellipse: s-maj=0.6km s-min=2.4km az=-1.0. Explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(547) Czech and Slovak Republics

KRSZO XI 12 09 21 39.3–1.1 48.53N 20.83E 0 1.7L
BRA XI 12 09 21 42.5–.51 48.66N 20.71E 0 1.7L **¶625427318**
KRSZO Event type sx. Error ellipse: s-maj=6.0km s-min=5.2km az=106.0. Suspected Explosion.
BRA Event type sm. Error ellipse: s-maj=3.0km s-min=2.2km az=0.0. Suspected Mining explosion.

(715) Tajikistan

ISC XI 12 10 26 13.2–2.5 40.75N–.07 69.6E–.10 35 12 1-3
KRNET XI 12 10 26 06.0–.10 40.80N 69.43E 2.5b **¶622412154**
ISC Event type se.

(536) Sweden

ISC XI 12 10 47 59.0–.80 67.59N–.02 20.90E–.03 0 46 0-4
HEL XI 12 10 47 59.7–.20 67.64N 20.79E 0 1.5L **¶621743112**
UPP XI 12 10 48 00.7–.00 67.63N 21.02E 0 2.6L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.7km s-min=3.3km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(536) Sweden

ISC XI 12 10 48 39.9–1.0 67.64N–.03 21.03E–.03 0 15 0-1
UPP XI 12 10 48 40.0–.00 67.65N 21.03E 0 2.5L **¶621743115**
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(536) Sweden

ISC XI 13 00 12 26.4–.66 67.19N–.02 20.70E–.02 0 75 0-17
UPP XI 13 00 12 27.2–.00 67.19N 20.67E 0 2.5L **¶621402625**
HEL XI 13 00 12 27.8–.00 67.19N 20.67E 1 2.5L,2.1L
IDC XI 13 00 12 28.1–1.2 67.19N 20.84E 0 3.4,2.5L
BER XI 13 00 12 28.2–.79 67.18N 20.67E 1 3.4,2.5L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=17.3km s-min=10.1km az=105.0.
BER Event type ki. Error ellipse: s-maj=4.2km s-min=6.5km az=-1.0. Confirmed Induced event.

(536) Sweden

HEL XI 13 00 17 12.7–.40 67.85N 19.97E 0 1.0L
¶635891153
HEL Event type sh. Error ellipse: s-maj=2.1km s-min=8.0km az=-1.0. Suspected explosion.

(536) Sweden

UPP XI 13 00 17 47.3–.00 67.82N 20.20E 0 2.2L
¶621743124
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(548) Poland

ISC XI 13 06 59 43.1–.74 50.25N–.04 19.02E–.03 0 55 1-31
VIE XI 13 06 59 43.5–.43 50.32N 18.94E 0 2.3b,2.1L **¶621406800**
PRU XI 13 06 59 44.8 50.22N 18.94E 0 2.3b,2.1L
IDC XI 13 06 59 44.7–1.6 50.31N 18.81E 0 3.7,3.5b
IPEC XI 13 06 59 44.2–.16 50.22N 18.98E 1 2.0L,3.5b
BRA XI 13 06 59 44.6–.63 50.27N 19.01E 11–4 1.8L,3.5b
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=5.7km s-min=2.7km az=166.0. Suspected Mining induced.
PRU Event type ki.
IDC Error ellipse: s-maj=28.9km s-min=15.0km az=145.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.8km az=0.0.
BRA Event type kr. Error ellipse: s-maj=4.8km s-min=2.2km az=0.0. Mining induced.

(713) Central Kazakhstan

ISC XI 13 08 55 22.1–2.8 43.7N–.10 69.7E–.10 0 27 1-5
KRNET XI 13 08 55 18.5–.10 43.88N 69.24E 3.4b **¶622412189**
SOME XI 13 08 55 21.2 43.62N 69.87E 3.4b
NNC XI 13 08 55 32.6–2.1 42.94N 70.32E 0 3.6b,3.2
ISC Event type sm.
SOME Event type kx.

NNC Event type sm. Error ellipse: s-maj=26.5km s-min=13.8km az=174.0. Suspected Mining explosion.

(330) Lake Issyk-Kul region

ISC	**XI**	**13 11 18 09.5–.82**	**43.03N–.03**	**77.24E–.03**	**0**		**29**	**0-2**
KRNET	XI	13 11 18 10.4–.10	43.05N	77.23E	30	2.3b		¶622412193
SOME	XI	13 11 18 11.0	43.03N	77.23E		2.3b		
NNC	XI	13 11 18 12.9–1.5	43.27N	76.99E	0	2.6		

ISC Event type kx.
SOME Event type kx.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=9.8km az=121.0.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XI**	**13 11 29 41.2**	**67.58N**	**30.52E**	**0**	**2.0L**	
BER	XI	13 11 29 34.6–.66	67.12N	31.56E	0	1.7L	¶625335298
HEL	XI	13 11 29 40.6–.20	67.59N	30.41E	0	1.7L	

KOGSR Event type kh. Error ellipse: s-maj=3.8km s-min=2.1km az=30.0. Kovdor City, Mines.
BER Event type sh. Error ellipse: s-maj=45.2km s-min=99.5km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=3.4km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XI**	**13 11 30 12.3**	**67.49N**	**30.56E**	**0**	**2.1L**	
							¶625335301

KOGSR Event type kh. Error ellipse: s-maj=4.2km s-min=2.3km az=30.0. Murmansk region, Kovdor district.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XI**	**13 20 05 11.0**	**67.69N**	**33.71E**	**0**	**1.6L**	
HEL	XI	13 20 05 10.5–.20	67.66N	33.73E	0	1.3L	¶625335288

KOGSR Event type kh. Error ellipse: s-maj=1.9km s-min=1.2km az=130.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=3.7km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XI**	**13 20 05 57.2**	**67.66N**	**33.75E**	**0**	**1.6L**	
							¶635891144

KOGSR Event type kh. Error ellipse: s-maj=2.3km s-min=1.7km az=120.0. Khibiny, mines Kirovsk, Yukspor.

(548) Poland

PRU	**XI**	**14 00 57 54.7**	**50.28N**	**18.70E**	**0**		
BRA	XI	14 00 57 55.1–.76	50.29N	18.72E	0		¶625226166

PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=5.2km s-min=2.5km az=0.0. Mining induced.

(326) Southwestern Siberia

NNC	**XI**	**14 01 20 24.2–1.5**	**53.04N**	**87.29E**	**0**	**3.5b,3.2**	
ASGSR	XI	14 01 20 18.0–1.8	53.06N	87.67E	0	2.6,3.2	¶624927156

NNC Event type sm. Error ellipse: s-maj=13.0km s-min=5.5km az=70.0. Suspected Mining explosion.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XI**	**14 04 40 26.4–.81**	**67.59N–.03**	**33.84E–.03**	**0**		**64**	**0-12**
IDC	XI	14 04 40 26.9–2.5	67.59N	34.04E	0	3.4,2.4L		¶621468643
KOGSR	XI	14 04 40 27.9	67.66N	33.75E	0	2.2L,2.4L		
HEL	XI	14 04 40 27.9–.20	67.63N	33.79E	0	2.0L,2.4L		

ISC Event type kh.
IDC Error ellipse: s-maj=26.1km s-min=12.2km az=89.0.
KOGSR Event type kh. Error ellipse: s-maj=2.6km s-min=1.9km az=120.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XI**	**14 13 56 01.2–.59**	**59.82N–.02**	**24.13E–.02**	**0**		**125**	**0-32**
DNK	XI	14 13 56 00.4–1.9	59.98N	24.81E	30	3.4L		¶621403066
IDC	XI	14 13 56 03.0–1.1	59.87N	24.28E	0	3.5,3.3L		
EST	XI	14 13 56 02.7	59.83N	24.16E	0	2.1L,3.3L		
HEL	XI	14 13 56 02.7–.00	59.83N	24.16E	0	2.1L,3.3L		
UPP	XI	14 13 56 02.1–2.4	59.95N	24.17E	0	2.8L,3.3L		
BER	XI	14 13 56 05.2–1.7	59.76N	24.01E	0	2.1L,3.3L		

ISC Event type kh.
DNK Event type se. Error ellipse: s-maj=11.3km s-min=20.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=13.0km s-min=11.6km az=155.0.
EST Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0. Presumed earthquake.
BER Event type sh. Error ellipse: s-maj=22.8km s-min=48.0km az=-1.0. Suspected explosion.

(536) Sweden

HEL	**XI**	**15 00 20 06.8–.30**	**67.83N**	**20.27E**	**0**	**1.3L**	
							¶635891159

HEL Event type sh. Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0. Suspected explosion.

(536) Sweden

UPP	**XI**	**15 00 21 00.5–.00**	**67.86N**	**20.21E**	**0**	**2.2L**	
							¶621743167

UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(326) Southwestern Siberia

IDC	**XI**	**15 04 08 58.3–2.5**	**51.92N**	**86.12E**	**0**	**2.5,2.0L**	
ASGSR	XI	15 04 08 59.0–1.5	51.92N	86.11E	0	2.1,2.0L	¶621475586

IDC Error ellipse: s-maj=25.2km s-min=15.7km az=104.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(715) Tajikistan

ISC	**XI**	**15 08 31 19.9–2.0**	**41.12N–.07**	**69.9E–.10**	**10**		**9**	**1-3**
KRNET	XI	15 08 31 20.2–.10	41.15N	69.92E		2.5b		¶622412257

ISC Event type se.

(713) Central Kazakhstan

ISC	**XI**	**15 10 07 55.8–2.7**	**43.6N–.10**	**69.7E–.10**	**0**		**29**	**1-5**
SOME	XI	15 10 07 52.9	43.70N	69.72E				¶622412259
NNC	XI	15 10 07 52.4–2.2	43.72N	69.60E	0	3.9b,3.5		
KRNET	XI	15 10 07 54.2–.10	43.73N	69.34E		3.5b,3.5		

ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=16.4km s-min=8.7km az=123.0. Suspected Mining explosion.

(548) Poland

ISC	**XI**	**15 16 37 26.0–1.0**	**51.50N–.04**	**16.44E–.05**	**0**		**32**	**1-5**
DNK	XI	15 16 37 26.9–1.6	51.35N	16.66E	24–57	2.8L		¶621414772
PRU	XI	15 16 37 31.4	51.33N	16.20E	0	2.8L		

ISC Event type ki.
DNK Event type se. Error ellipse: s-maj=42.7km s-min=58.9km az=-1.0. Presumed earthquake.
PRU Event type ki.

(540) The Netherlands

ISC	**XI**	**16 00 46 45.8–.62**	**53.37N–.02**	**6.59E–.03**	**0**		**308**	**1-78**
PRU	XI	16 00 46 45.7	53.33N	6.32E	1			¶621414798
IDC	XI	16 00 46 47.9–.94	53.32N	6.66E	0	3.4,3.1b		
UCC	XI	16 00 46 48.0	53.31N	6.75E	3	3.2L,3.1b		
NAO	XI	16 00 46 48.1–.50	53.40N	6.73E		2.5L,3.1b		
BGR	XI	16 00 46 49.0–.28	53.31N	6.64E	3	3.0L,3.1b		
DNK	XI	16 00 46 48.4–3.1	53.35N	6.63E	23–10	3.1L,3.1b		
BNS	XI	16 00 46 49.6–1.0	53.29N	6.72E	3	2.8L,3.1b		
BER	XI	16 00 46 49.2–3.2	53.40N	6.71E	0–17	3.2L,2.5L		
UPP	XI	16 00 46 52.9–3.1	53.64N	7.04E	0	2.8L,2.5L		

ISC Event type ki.
IDC Error ellipse: s-maj=14.9km s-min=11.6km az=50.0.
UCC Event type ki.
NAO Event type se. Presumed earthquake.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=124.0.
DNK Event type ke. Error ellipse: s-maj=7.8km s-min=9.2km az=-1.0. Confirmed Earthquake.
BNS Event type ki.
BER Event type ke. Error ellipse: s-maj=12.7km s-min=11.4km az=-1.0. Confirmed Earthquake.
UPP Event type se. Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0. Presumed earthquake.

(548) Poland

ISC	**XI**	**16 04 56 25.8–1.3**	**51.57N–.06**	**16.13E–.03**	**0**		**56**	**1-5**
IPEC	XI	16 04 56 25.9–.20	51.56N	16.19E	1	2.0L		¶621414801
VIE	XI	16 04 56 26.3–.53	51.52N	16.18E	0	2.5L,2.5b		
PRU	XI	16 04 56 28.2	51.50N	16.10E	0	2.5L,2.5b		

ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=63.0.
VIE Event type sr. Error ellipse: s-maj=6.1km s-min=3.1km az=60.0. 14 km N of Lubin . Suspected Mining induced.

PRU Event type ki.

(713) Central Kazakhstan

ISC	**XI**	**16 06 32 57.6–.82**	**43.03N–.03**	**74.92E–.02**	**0**		**47**	**0-3**
KRNET	XI	16 06 32 56.5–.10	43.04N	74.90E	11	3.0b		¶622412289
KNET	XI	16 06 32 56.6–.16	43.06N	74.92E	11–1	1.3L		
NNC	XI	16 06 32 58.4–.66	42.91N	75.07E	0	2.7,2.7b		
SOME	XI	16 06 32 59.6	42.87N	75.02E		2.7,2.7b		

ISC Event type sm.
KNET Error ellipse: s-maj=1.2km s-min=0.8km az=2.0.
NNC Event type sm. Error ellipse: s-maj=17.7km s-min=3.1km az=153.0. Suspected Mining explosion.
SOME Event type kx.

(326) Southwestern Siberia

IDC	**XI**	**16 07 25 25.2–2.0**	**54.66N**	**83.75E**	**0**	**3.0,2.5L**	
ASGSR	XI	16 07 25 23.0–1.4	54.70N	83.79E	0	2.4,2.5L	¶621475667

IDC Error ellipse: s-maj=19.3km s-min=13.2km az=171.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**XI**	**16 07 26 45.2–2.0**	**54.66N**	**83.77E**	**0**	**3.0,2.4L**		
ASGSR	XI	16 07 26 44.0–1.2	54.68N	83.68E	0	2.4,2.4L		¶621475668

IDC Error ellipse: s-maj=19.0km s-min=13.1km az=172.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**XI**	**16 08 02 47.7–4.2**	**53.85N**	**91.01E**	**0**	**3.0,2.6L**	
ASGSR	XI	16 08 02 47.0–1.6	53.72N	91.06E	0	2.9,2.6L	¶621475669

IDC Error ellipse: s-maj=31.3km s-min=25.8km az=41.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(537) Baltic Sea

ISC	**XI**	**16 08 19 14.7–.92**	**58.72N–.03**	**18.57E–.04**	**0**		**69**	**0-12**
UPP	XI	16 08 19 15.3–.10	58.72N	18.55E	0	2.7L		¶635730428
DNK	XI	16 08 19 15.8–.59	58.72N	18.54E	0	2.7L		
IDC	XI	16 08 19 20.1–2.2	59.11N	18.34E	0	3.6,2.8L		

ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=29.2km s-min=12.1km az=169.0.

(537) Baltic Sea

ISC	**XI**	**16 09 10 07.6–.81**	**58.71N–.02**	**18.44E–.03**	**0**		**75**	**0-11**
BER	XI	16 09 10 01.1–2.1	58.75N	19.98E	0	1.5L		¶621475672
UPP	XI	16 09 10 07.8–.20	58.72N	18.56E	0	2.4L		
HEL	XI	16 09 10 08.7–.00	58.72N	18.54E	0	1.5L		
DNK	XI	16 09 10 08.3–.60	58.72N	18.57E	0	2.7L,2.4L		
IDC	XI	16 09 10 12.8–3.7	59.04N	18.24E	0	3.0,1.8L		

ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=49.9km s-min=71.3km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=1.4km az=-1.0. Explosion.
DNK Event type kh. Error ellipse: s-maj=1.2km s-min=3.7km az=-1.0. Explosion.
IDC Error ellipse: s-maj=45.4km s-min=13.6km az=179.0.

(713) Central Kazakhstan

NNC	**XI**	**16 09 25 46.7–1.0**	**50.82N**	**73.74E**	**0**	**3.6b,3.3**		
								¶624927232

NNC Event type sm. Error ellipse: s-maj=10.1km s-min=8.5km az=7.0. Suspected Mining explosion.

(332) Northern Xinjiang

ISC	**XI**	**16 09 25 58.6–1.6**	**44.62N–.05**	**82.26E–.08**	**0**		**27**	**2-3**
SOME	XI	16 09 26 01.2	44.63N	82.15E	20			¶624927233
NNC	XI	16 09 26 02.5–1.3	44.63N	82.05E	0	3.7b,3.3		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=14.4km s-min=4.1km az=121.0. Suspected Mining explosion.

(537) Baltic Sea

ISC	**XI**	**16 09 59 32.5–.83**	**58.70N–.02**	**18.69E–.03**	**0**		**72**	**0-4**
UPP	XI	16 09 59 33.6–.20	58.72N	18.60E	0	2.7L		¶621743188
DNK	XI	16 09 59 33.6–.74	58.70N	18.68E	0	2.9L,2.7L		
HEL	XI	16 09 59 34.4–.00	58.72N	18.54E	0	1.7L,2.7L		
BER	XI	16 09 59 44.1–1.3	58.88N	17.62E	0	1.7L,2.7L		

ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.5km s-min=5.8km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=16.9km s-min=177.1km az=-1.0. Suspected explosion.

(721) Finland

HEL	**XI**	**16 13 08 39.0–.10**	**60.46N**	**25.32E**	**0**	**1.0L**		
								¶631556361

HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.6km az=-1.0. Explosion.

(721) Finland

HEL	**XI**	**16 13 09 17.0–.10**	**63.98N**	**24.02E**	**0**	**1.2L**		
								¶631556362

HEL Event type kh. Error ellipse: s-maj=0.8km s-min=1.9km az=-1.0. Explosion.

(584) South Africa

ISC	**XI**	**16 16 43 12.5–1.1**	**25.97S–.05**	**29.32E–.04**	**0**		**22**	**1-5**
BGSI	XI	16 16 42 56.7–1.7	26.66S	30.66E	2–100	2.6L		¶624894792
PRE	XI	16 16 43 14.8–.88	26.16S	29.21E	0	2.0L		

ISC Event type sh.
BGSI Event type se. Error ellipse: s-maj=47.2km s-min=88.4km az=-1.0. Presumed earthquake.
PRE Event type sh. Error ellipse: s-maj=2.7km s-min=1.7km az=-1.0. Suspected explosion.

(326) Southwestern Siberia

ISC	**XI**	**16 17 20 38.9–.74**	**53.08N–.02**	**87.68E–.03**	**0**		**44**	**0-7**
ASGSR	XI	16 17 20 38.9	53N–1.0	88E–1.0	6–1	3.2		¶624927246
NNC	XI	16 17 20 40.1–2.9	53.03N	87.65E	0	3.5b,3.1		

ISC Event type sm.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/Hypo71. manual. confirmed.
NNC Event type sm. Error ellipse: s-maj=25.2km s-min=9.6km az=70.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XI**	**16 20 04 42.7**	**67.70N**	**33.71E**	**0**	**1.2L**	
							¶635891145

KOGSR Event type kh. Error ellipse: s-maj=6.6km s-min=2.3km az=150.0. Khibiny Mines.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XI**	**16 20 05 22.9**	**67.66N**	**33.75E**	**0**	**1.2L**	
							¶625335464

KOGSR Event type kh. Error ellipse: s-maj=1.4km s-min=0.9km az=150.0. Khibiny, mines Kirovsk, Yukspor.

(326) Southwestern Siberia

IDC	**XI**	**17 07 48 37.9–3.7**	**53.28N**	**90.62E**	**0**	**3.0,2.6L**		
ASGSR	XI	17 07 48 29.0–1.7	53.75N	91.07E	0	2.9,2.6L		¶621494195

IDC Error ellipse: s-maj=35.5km s-min=25.6km az=32.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

ISC	**XI**	**17 08 48 42.7–1.2**	**49.61N–.08**	**81.60E–.10**	**0**		**8**	**2-5**
SOME	XI	17 08 48 42.6	49.70N	81.68E				¶621494199
IDC	XI	17 08 48 43.8–1.5	49.79N	81.65E	0	2.8,2.5L		
NNC	XI	17 08 48 46.5–6.1	49.71N	81.68E	0	3.3b,2.9		

ISC Event type sm.
SOME Event type kx.
IDC Error ellipse: s-maj=18.6km s-min=12.1km az=63.0.
NNC Event type sm. Error ellipse: s-maj=109.6km s-min=22.4km az=47.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XI**	**17 08 53 04.3–1.5**	**69.52N–.07**	**33.33E–.07**	**0**		**12**	**1-3**
KOGSR	XI	17 08 53 06.3	69.57N	33.55E	0	2.2L		¶625335508

ISC Event type kh.
KOGSR Event type kh. Error ellipse: s-maj=5.9km s-min=2.0km az=40.0. Barentz Sea.

(326) Southwestern Siberia

ISC	**XI**	**17 08 53 20.3–.71**	**53.11N–.02**	**87.65E–.02**	**0**		**72**	**0-7**
ASGSR	XI	17 08 53 20.1	53N–2.0	88E–2.0	2–1	3.5		¶624927265
NNC	XI	17 08 53 25.0–3.3	53.04N	87.20E	0	3.5b,3.2		

ISC Event type sm.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/Hypo71. manual. confirmed.

NNC Event type sm. Error ellipse: s-maj=26.7km s-min=14.2km az=84.0. Suspected Mining explosion.
(716) Kyrgyzstan
ISC XI 18 03 15 31.3–.90 42.45N–.04 72.98E–.03 0 21 0-2
KRNET XI 18 03 15 30.9–.10 42.46N 72.94E 2.0b **¶624927287**
SOME XI 18 03 15 31.9 42.88N 72.90E 5 2.0b
NNC XI 18 03 15 33.3–.40 42.73N 72.95E 4–5 2.9b,2.7
ISC Event type kh.
KRNET Event type kh.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=4.4km az=165.0.
(584) South Africa
ISC XI 18 09 22 36.0–3.4 26.22S–.10 28.7E–.20 0 8 1-12
IDC XI 18 09 22 34.6–10 26.02S 28.70E 0 **¶621532473**
PRE XI 18 09 22 35.7–1.1 26.29S 28.81E 0 2.0L
ISC Event type sh.
IDC Error ellipse: s-maj=84.7km s-min=58.9km az=138.0.
PRE Event type sh. Error ellipse: s-maj=4.8km s-min=7.0km az=-1.0. Suspected explosion.
(715) Tajikistan
ISC XI 18 10 23 59.1–2.5 41.00N–.07 69.5E–.20 10 11 1-3
KRNET XI 18 10 23 57.5–.10 41.00N 69.49E 2.6b **¶622412379**
ISC Event type se.
(715) Tajikistan
ISC XI 18 10 24 58.4–2.6 41.01N–.07 69.5E–.20 10 11 1-3
KRNET XI 18 10 24 56.9–.10 41.00N 69.53E 2.7b **¶622412382**
ISC Event type se.
(536) Sweden
ISC XI 18 10 38 23.3–.78 59.72N–.02 13.73E–.02 0 59 0-2
UPP XI 18 10 38 23.8–.10 59.73N 13.71E 0 3.0L **¶621743233**
BER XI 18 10 38 24.6–1.8 59.73N 13.90E 0 3.0L
DNK XI 18 10 38 24.4–.97 59.73N 13.70E 0 3.0L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=6.2km s-min=29.7km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0. Explosion.
(721) Finland
HEL XI 18 11 57 32.9–.20 62.83N 29.28E 0 1.2L
¶631556407
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL XI 18 12 08 24.6–.10 67.73N 33.66E 0 1.1L
¶635891165
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=2.3km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XI 18 12 09 22.6 67.66N 33.75E 0 1.4L
¶625335582
KOGSR Event type kh. Error ellipse: s-maj=2.7km s-min=1.4km az=140.0. Khibiny, mines Kirovsk, Yukspor.
(721) Finland
ISC XI 18 12 30 40.5–.75 63.91N–.03 28.10E–.03 0 66 1-8
IDC XI 18 12 30 41.8–2.4 63.95N 28.60E 0 2.9,2.0L **¶621416057**
HEL XI 18 12 30 41.2–.10 63.98N 28.14E 0 1.8L,2.0L
ISC Event type sh.
IDC Error ellipse: s-maj=41.0km s-min=14.2km az=99.0.
HEL Event type sh. Error ellipse: s-maj=0.5km s-min=1.3km az=-1.0. Suspected explosion.
(584) South Africa
PRE XI 18 12 32 45.1–1.2 26.10S 29.21E 0 1.8L
BGSI XI 18 12 32 46.6–1.3 22.80S 25.38E 442–15 2.2L **¶625904895**
PRE Event type sh. Error ellipse: s-maj=3.5km s-min=2.2km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=22.6km s-min=34.7km az=-1.0. Presumed earthquake.
(721) Finland
HEL XI 18 12 41 57.1–.10 60.34N 24.93E 0 0.7L
¶631556411
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=1.5km az=-1.0. Explosion.
(536) Sweden
ISC XI 18 18 00 52.8–.86 67.08N–.03 20.98E–.04 0 37 1-7
IDC XI 18 18 00 53.7–1.7 67.09N 21.17E 0 2.7,1.9L **¶621532490**
HEL XI 18 18 00 53.5–.20 67.08N 20.97E 0 1.9L,1.9L
ISC Event type kh.
IDC Error ellipse: s-maj=25.1km s-min=12.0km az=99.0.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=4.5km az=-1.0. Explosion.
(460) Wyoming
ISC XI 18 23 07 58.6–1.2 44.29N–.09 105.52W–.07 0 9 1-9
NEIC XI 18 23 07 58.2–2.4 44.20N–.07 105.47W–.06 0–2 2.3L **¶621532509**
IDC XI 18 23 08 01.5–2.2 44.33N 105.49W 0 3.1,2.5L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=11.9km s-min=7.1km az=351.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.2km s-min=15.5km az=146.0.
(536) Sweden
ISC XI 19 00 05 30.2–1.0 67.82N–.03 20.21E–.03 0 14 0-2
UPP XI 19 00 05 30.0–.30 67.83N 20.20E 0–1 2.6L **¶621743243**
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(535) Southern Norway
BER XI 19 00 15 45.0–1.5 60.17N 6.59E 0
¶635891149
BER Event type sh. Error ellipse: s-maj=3.7km s-min=7.6km az=-1.0. Suspected explosion.
(536) Sweden
UPP XI 19 00 16 29.9–.00 67.82N 20.19E 0 2.7L
¶621743244
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(536) Sweden
ISC XI 19 03 01 12.4–.86 67.83N–.03 20.24E–.03 0 27 0-4
UPP XI 19 03 01 12.2–.10 67.85N 20.21E 0 2.5L **¶621743246**
HEL XI 19 03 01 13.1–.50 67.80N 20.28E 0 0.8L
ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=10.9km az=-1.0. Suspected explosion.
(715) Tajikistan
ISC XI 19 10 11 29.5–4.4 40.81N–.10 69.1E–.20 35 10 2-4
KRNET XI 19 10 11 28.2–.10 40.79N 69.35E 2.5b **¶622412414**
ISC Event type se.
(715) Tajikistan
ISC XI 19 10 14 30.2–2.2 40.83N–.06 69.8E–.10 35 12 1-3
KRNET XI 19 10 14 21.1–.10 40.92N 69.46E 2.5b **¶622412415**
ISC Event type se.
(721) Finland
HEL XI 19 12 24 42.2–.10 63.10N 22.03E 0 1.3L
¶631556434
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.0km az=-1.0. Explosion.
(646) Northern Norway
BER XI 19 12 24 44.0–.28 66.41N 14.65E 0
¶635891164
BER Event type kh. Explosion.
(536) Sweden
DNK XI 19 13 29 09.4–.37 57.35N 15.63E 0 1.5L
¶635730461
DNK Event type kh. Explosion.
(456) Montana
ISC XI 19 18 34 01.3–.96 45.93N–.05 106.48W–.06 0 70 1-9
NEIC XI 19 18 34 00.9–1.6 45.91N–.07 106.54W–.08 0–1 3.4L,3.1L **¶621423312**
IDC XI 19 18 34 03.2–1.5 45.60N 106.11W 0 3.2,2.9L
BUT XI 19 18 34 04.1–1.7 45.79N–.07 106.65W–.07 -2–1 3.2,2.9L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type sm. hypocenter. manual.
(548) Poland
ISC XI 19 22 42 52.7–.67 50.28N–.03 18.96E–.02 0 110 1-12
IDC XI 19 22 42 52.1–1.2 50.13N 19.17E 0 3.3,2.5L **¶621440112**
VIE XI 19 22 42 53.2–.70 50.25N 18.92E 0 3.0L,2.5b
BGR XI 19 22 42 55.0–.34 50.19N 18.92E 1 3.2L,2.5b
BRA XI 19 22 42 54.9–.53 50.20N 18.99E 4–3 2.5L,2.5b
IPEC XI 19 22 42 54.4–.15 50.20N 18.98E 1 2.9L,2.5b
DNK XI 19 22 42 57.4–2.1 50.37N 18.58E 0 3.0L,2.5b
ISC Event type kr.
IDC Error ellipse: s-maj=21.9km s-min=10.0km az=151.0.
VIE Event type sr. Error ellipse: s-maj=7.0km s-min=3.9km az=171.0. 5 km W of Katowice . Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=10.0km s-min=4.4km az=179.0.
BRA Event type kr. Error ellipse: s-maj=3.6km s-min=1.8km az=0.0. Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=0.7km az=172.0.
DNK Event type sh. Error ellipse: s-maj=23.2km s-min=65.9km az=-1.0. Suspected explosion.
(548) Poland
ISC XI 20 02 37 08.1–.95 51.59N–.03 16.19E–.05 0 36 1-5
VIE XI 20 02 37 09.8–.61 51.52N 16.34E 0 2.4L,2.4b **¶621440115**
PRU XI 20 02 37 10.8 51.49N 16.14E 0 2.4L,2.4b
DNK XI 20 02 37 11.0–1.8 51.67N 15.86E 0 3.0L,2.4b
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=6.2km s-min=4.4km az=78.0. 16 km NE of Lubin . Suspected Mining induced.
PRU Event type ki.
DNK Event type sh. Error ellipse: s-maj=13.4km s-min=40.6km az=-1.0. Suspected explosion.
(536) Sweden
ISC XI 20 03 10 42.9–.78 67.20N–.02 20.69E–.02 0 63 0-7
UPP XI 20 03 10 43.1–.00 67.19N 20.66E 0 2.1L **¶621590333**
HEL XI 20 03 10 43.7–.00 67.19N 20.64E 1 2.1L,1.3L
IDC XI 20 03 10 44.8–1.7 67.27N 20.98E 0 2.9,2.1L
BER XI 20 03 10 44.2–1.2 67.16N 20.67E 1 2.9,2.1L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=26.2km s-min=12.3km az=103.0.
BER Event type ki. Error ellipse: s-maj=11.5km s-min=13.1km az=-1.0. Confirmed Induced event.
(548) Poland
ISC XI 20 03 26 18.0–.85 51.65N–.03 16.18E–.04 0 44 1-5
VIE XI 20 03 26 17.9–.73 51.59N 16.57E 0 3.6s,2.6L **¶621440116**
DNK XI 20 03 26 18.7–1.4 51.69N 16.40E 0 3.1L,2.6L
PRU XI 20 03 26 20.3 51.56N 16.07E 0 3.1L,2.6L
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=7.7km s-min=5.9km az=104.0. 34 km NE of Lubin . Suspected Mining induced.
DNK Event type sh. Error ellipse: s-maj=11.2km s-min=32.4km az=-1.0. Suspected explosion.
PRU Event type ki.
(329) Eastern Kazakhstan
ISC XI 20 04 18 21.7–1.1 49.3N–.10 80.0E–.10 0 9 2-6
NNC XI 20 04 18 22.5–.92 49.61N 80.53E 0 2.8b,2.6 **¶621590337**
IDC XI 20 04 18 23.4–1.6 49.52N 80.23E 0 3.2,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.8km s-min=4.3km az=51.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=28.0km s-min=11.5km az=58.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL XI 20 12 05 24.9–.10 67.69N 33.79E 0 1.1L
¶635891151
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=2.5km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XI 20 12 06 12.5 67.67N 33.73E 0 1.3L
¶625346308
KOGSR Event type kh. Error ellipse: s-maj=2.9km s-min=0.7km az=150.0. Khibiny, mines Kirovsk, Yukspor.
(460) Wyoming
ISC XI 20 17 00 52.9–1.1 44.05N–.06 105.35W–.05 0 37 1-9
NEIC XI 20 17 00 52.4–1.1 44.00N–.08 105.4W–.10 0–1 3.0L **¶621590369**
IDC XI 20 17 00 54.2–1.8 44.50N 105.93W 0 3.0,2.0L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=18.1km s-min=9.8km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.1km s-min=12.3km az=142.0.
(536) Sweden
ISC XI 20 19 06 56.1–.73 67.19N–.02 20.70E–.02 0 65 0-7
HEL XI 20 19 06 55.9–.20 67.17N 20.55E 0 1.6L **¶621590376**
IDC XI 20 19 06 56.7–1.5 67.28N 20.69E 0 2.9,2.0L
UPP XI 20 19 06 56.1–.00 67.19N 20.68E 0 2.1L,2.0L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=4.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.6km s-min=10.5km az=114.0.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(536) Sweden
ISC XI 21 00 20 03.5–.77 67.85N–.02 20.25E–.02 0 55 0-8
UPP XI 21 00 20 03.5–.00 67.85N 20.21E 0 2.5L **¶621608886**
HEL XI 21 00 20 03.5–.20 67.82N 20.17E 0 1.5L
IDC XI 21 00 20 04.7–2.0 67.89N 20.45E 0 3.0,1.8L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=4.8km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=24.8km s-min=12.9km az=107.0.
(326) Southwestern Siberia
NNC XI 21 02 20 09.8–2.0 53.01N 87.33E 0 3.7b,3.3
¶624927400
NNC Event type sm. Error ellipse: s-maj=16.1km s-min=8.2km az=78.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC XI 21 07 14 52.0–.89 49.96N–.05 78.71E–.08 0 28 1-6
NNC XI 21 07 14 48.5–1.0 49.88N 78.37E 0 2.6 **¶621608900**
IDC XI 21 07 14 51.9–1.1 50.03N 78.77E 0 2.6,1.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=24.6km s-min=5.0km az=92.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=9.9km s-min=7.7km az=22.0.
(547) Czech and Slovak Republics
ISC XI 21 09 38 31.8–.75 49.80N–.03 18.52E–.02 0 67 0-4
VIE XI 21 09 38 31.3–.28 49.73N 18.58E 0 2.5L,2.2b **¶621440131**
IPEC XI 21 09 38 32.5–.29 49.82N 18.55E 1 2.2L,2.2b
PRU XI 21 09 38 33.5 49.87N 18.52E 0 2.2L,2.2b
BRA XI 21 09 38 33.3–.32 49.81N 18.50E 6–3 2.2L,2.2b
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=3.7km s-min=1.7km az=161.0. 15 km S of Karvina . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=68.0.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=2.2km s-min=1.6km az=0.0. Mining induced.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XI 21 12 04 52.3 67.63N 33.84E 0 1.2L
HEL XI 21 12 04 53.4–.30 67.75N 33.78E 0 1.3L **¶625335680**
KOGSR Event type kh. Error ellipse: s-maj=1.4km s-min=1.0km az=160.0. Khibiny, mines Rasvumchorr, Central.
HEL Event type sh. Error ellipse: s-maj=4.4km s-min=4.6km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XI 21 12 05 32.9 67.63N 33.87E 0 1.8L
¶635891146
KOGSR Event type kh. Error ellipse: s-maj=1.6km s-min=1.2km az=140.0. Khibiny, mines Rasvumchorr, Central.
(332) Northern Xinjiang
ISC XI 22 09 02 35.6–1.6 44.53N–.06 82.09E–.09 0 37 2-5
SOME XI 22 09 02 36.0 44.65N 82.12E 20 **¶624927441**
NNC XI 22 09 02 37.6–1.4 44.64N 82.02E 0 3.7b,3.3
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=15.6km s-min=4.3km az=123.0. Suspected Mining explosion.

(713) Central Kazakhstan
NNC XI 22 11 49 09.6–.71 50.77N 73.67E 0 3.5b,3.2 ¶624927453
NNC Event type sm. Error ellipse: s-maj=7.7km s-min=6.8km az=3.0. Suspected Mining explosion.
(584) South Africa
PRE XI 22 12 11 46.1–.79 28.31S 22.82E 0 1.8L
BGSI XI 22 12 11 48.8–.79 28.41S 23.53E 196–17 2.4L **¶624894805**
PRE Event type sh. Error ellipse: s-maj=4.9km s-min=7.6km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=4.5km s-min=22.3km az=-1.0. Presumed earthquake.
(24) Alberta
ISC XI 22 20 43 11.1–.98 50.26N–.05 114.84W–.06 0 13 1-12
PGC XI 22 20 43 12.4–.13 50.21N 114.91W 0 3.5L **¶621611927**
IDC XI 22 20 43 19.8–11 50.73N 113.92W 0 3.6,3.2L
ISC Event type km.
PGC Event type km. 21km northeast of Elkford, Bc Alberta, Canada Mining explosion.
IDC Error ellipse: s-maj=152.6km s-min=68.6km az=41.0.
(547) Czech and Slovak Republics
IPEC XI 22 23 03 20.2–.10 49.08N 18.61E 6–1 1.0L
BRA XI 22 23 03 20.9–.38 49.06N 18.56E 0 0.9L **¶621465180**
PRU XI 22 23 03 21.9 49.10N 18.61E 1 0.9L
IPEC Event type ke. Error ellipse: s-maj=0.5km s-min=0.4km az=29.0.
BRA Event type sm. Error ellipse: s-maj=2.5km s-min=2.1km az=90.0. Suspected Mining explosion.
PRU Rajec.
(548) Poland
ISC XI 23 04 49 32.4–.89 51.63N–.03 16.19E–.03 0 70 1-5
VIE XI 23 04 49 33.8–.45 51.53N 16.14E 0 2.8L,2.8b **¶621465184**
IPEC XI 23 04 49 33.5–.18 51.56N 16.27E 1 2.6L,2.8b
PRU XI 23 04 49 35.5 51.52N 16.12E 0 2.6L,2.8b
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=4.3km s-min=3.1km az=46.0. 15 km NNW of Lubin . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=66.0.
PRU Event type ki.
(329) Eastern Kazakhstan
ISC XI 23 07 22 06.9–1.7 48.64N–.07 77.3E–.20 0 6 2-10
NNC XI 23 07 22 12.7–2.2 48.63N 78.19E 0 2.7b,2.3 **¶624927474**
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=26.2km s-min=8.6km az=64.0. Suspected Mining explosion.
(715) Tajikistan
ISC XI 23 09 59 02.7–4.3 41.02N–.10 69.2E–.20 35 12 2-4
KRNET XI 23 09 59 01.3–.10 40.97N 69.37E 2.5b **¶622412542**
ISC Event type se.
(724) Baltic States-Belarus-Northwestern Russia
ISC XI 23 10 39 29.4–.83 68.04N–.03 33.08E–.03 0 56 0-5
BER XI 23 10 39 29.5–.48 67.95N 33.40E 0 **¶625335774**
KOGSR XI 23 10 39 31.1 68.09N 32.98E 0 2.0L
HEL XI 23 10 39 31.0–.20 68.09N 32.94E 0 1.6L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=4.3km s-min=17.5km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=2.1km s-min=1.5km az=80.0. Olenegorsk City, Mines.
HEL Event type sh. Error ellipse: s-maj=2.1km s-min=3.0km az=-1.0. Suspected explosion.
(538) France
STR XI 23 11 04 16.4–.66 48N–7.0 7E–3.0 0 1.6 ¶621718440
STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
(543) Germany
VIE XI 23 11 04 45.3–.34 48.16N 9.04E 0 1.9L ¶635891161
VIE Event type sm. Error ellipse: s-maj=2.8km s-min=1.0km az=23.0. 12 km SSE of Onstmettingen . Suspected Mining explosion.
(721) Finland
HEL XI 23 11 55 42.5–.10 60.40N 24.86E 0 1.1L ¶631556511
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=1.2km az=-1.0. Explosion.
(536) Sweden
ISC XI 23 12 17 20.7–.76 64.76N–.02 21.04E–.03 0 58 0-5
UPP XI 23 12 17 20.7–.10 64.74N 21.09E 0 2.5L **¶621743302**
DNK XI 23 12 17 21.2–.56 64.74N 21.08E 0 2.5L
HEL XI 23 12 17 21.4–.20 64.76N 21.10E 0 1.2L
ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=3.2km az=-1.0. Explosion.
(535) Southern Norway
BER XI 23 13 05 48.8–1.1 59.80N 9.86E 0
DNK XI 23 13 06 01.0–.31 59.37N 11.11E 0 1.4L **¶626741279**
BER Event type sh. Error ellipse: s-maj=3.1km s-min=7.1km az=-1.0. Suspected explosion.
DNK Event type sh. Error ellipse: s-maj=2.8km s-min=10.0km az=-1.0. Suspected explosion.
(536) Sweden
HEL XI 23 13 33 27.4–.30 67.82N 20.32E 0 1.0L
UPP XI 23 13 33 24.7–.20 67.85N 20.28E 0 2.3L **¶621743305**
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=6.0km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
(584) South Africa
ISC XI 23 15 22 27.3–.82 25.50S–.03 29.51E–.03 0 40 1-13
PRE XI 23 15 22 33.3–.80 25.73S 29.53E 0 2.1L **¶624894810**
BGSI XI 23 15 22 34.5–1.0 25.58S 30.39E 16–16 2.3L
IDC XI 23 15 22 35.7–5.8 25.73S 29.59E 0 3.0,2.3L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=1.8km s-min=1.7km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=4.3km s-min=13.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=90.2km s-min=40.6km az=142.0.
(584) South Africa
PRE XI 23 15 38 27.2–1.1 25.84S 29.31E 0 1.7L
BGSI XI 23 15 38 32.3–.93 25.80S 29.99E 0–13 2.0L **¶624894812**
PRE Event type sh. Error ellipse: s-maj=4.9km s-min=2.4km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=4.2km s-min=13.2km az=-1.0. Presumed earthquake.
(584) South Africa
ISC XI 23 16 21 59.7–.94 26.22S–.05 29.77E–.04 0 13 0-13
PRE XI 23 16 21 59.6–.76 26.26S 29.84E 0 1.6L **¶621611965**
IDC XI 23 16 22 08.9–5.1 26.08S 29.63E 0 2.6,2.3L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=37.2km s-min=26.5km az=95.0.
(460) Wyoming
ISC XI 23 20 01 20.2–.99 43.42N–.05 105.32W–.05 0 69 1-9
NEIC XI 23 20 01 19.4–.93 43.44N–.06 105.37W–.09 0–1 3.1L **¶621611978**
IDC XI 23 20 01 25.0–2.6 43.79N 105.51W 0 3.5,3.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.8km s-min=9.9km az=252.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=64.4km s-min=12.7km az=147.0.
(721) Finland
HEL XI 24 10 34 59.6–.10 61.30N 26.27E 0 1.2L ¶631556522
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.0km az=-1.0. Explosion.
(535) Southern Norway
BER XI 24 10 35 45.1–.27 61.15N 11.51E 0 ¶635891156
BER Event type sh. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC XI 24 12 44 19.7–.80 67.63N–.03 33.89E–.03 0 61 0-13
KOGSR XI 24 12 44 20.7 67.65N 33.78E 0 2.0L **¶621613982**
HEL XI 24 12 44 20.3–.10 67.71N 33.79E 0 1.8L
BER XI 24 12 44 21.0–.58 67.56N 33.95E 0 1.8L
IDC XI 24 12 44 24.1–3.3 67.72N 33.41E 0 3.3,2.3L
ISC Event type kh.
KOGSR Event type kh. Error ellipse: s-maj=2.3km s-min=1.7km az=130.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=6.8km s-min=17.9km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=34.0km s-min=12.7km az=82.0.
(548) Poland
ISC XI 24 13 02 46.4–.87 51.57N–.04 16.02E–.02 0 86 1-11
IDC XI 24 13 02 46.8–1.6 51.60N 16.00E 0 3.4,2.6L **¶621465214**
BGR XI 24 13 02 47.8–.50 51.57N 15.98E 1 2.7L,2.6L
IPEC XI 24 13 02 47.9–.20 51.53N 16.09E 1 2.5L,2.6L
VIE XI 24 13 02 47.4–.55 51.57N 16.04E 0 3.0L,2.6b
PRU XI 24 13 02 49.6 51.51N 15.98E 0 3.0L,2.6b
BRA XI 24 13 02 52.4–1.3 51.30N 16.05E 10 2.4L,2.6b
ISC Event type kr.
IDC Error ellipse: s-maj=22.0km s-min=12.4km az=122.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=16.0.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.2km az=60.0.
VIE Event type sr. Error ellipse: s-maj=5.7km s-min=3.9km az=62.0. 22 km NNW of Lubin . Suspected Mining induced.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=6.6km s-min=6.4km az=90.0. Mining induced.
(584) South Africa
ISC XI 24 15 38 56.2–.97 26.03S–.06 29.37E–.04 0 13 1-13
PRE XI 24 15 38 57.5–.90 26.24S 29.25E 0 1.7L **¶621613992**
IDC XI 24 15 38 59.6–5.8 26.02S 29.19E 0 2.9,2.1L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=2.7km s-min=1.9km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=93.9km s-min=40.9km az=142.0.
(584) South Africa
ISC XI 24 16 06 46.8–.80 26.16S–.03 29.09E–.03 0 33 1-13
BGSI XI 24 16 06 47.7–.49 25.87S 29.80E 6–6 2.1L **¶621613996**
PRE XI 24 16 06 47.0–.85 26.15S 29.05E 0 2.1L
IDC XI 24 16 06 47.6–5.7 25.95S 29.07E 0 2.8,2.1L
ISC Event type sh.
BGSI Event type se. Error ellipse: s-maj=2.1km s-min=5.9km az=-1.0. Presumed earthquake.
PRE Event type sh. Error ellipse: s-maj=1.9km s-min=1.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=83.7km s-min=39.6km az=141.0.
(460) Wyoming
ISC XI 24 19 02 54.0–.90 43.71N–.05 105.42W–.04 0 22 1-11
NEIC XI 24 19 02 55.0–2.5 43.82N–.07 105.3W–.10 0–1 3.3L **¶621614003**
IDC XI 24 19 02 57.4–1.8 44.30N 105.75W 0 3.4L,3.4
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=14.7km s-min=9.6km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.9km s-min=11.1km az=144.0.
(548) Poland
ISC XI 25 05 22 34.0–.71 50.23N–.04 18.98E–.02 0 64 1-20
IDC XI 25 05 22 34.6–3.3 50.26N 19.05E 0 3.9,2.3L **¶621494252**
IPEC XI 25 05 22 34.7–.16 50.21N 18.99E 1 2.2L,2.3L
VIE XI 25 05 22 34.7–.25 50.09N 18.99E 0 2.3L,2.3b
PRU XI 25 05 22 35.4 50.30N 18.98E 0 2.3L,2.3b
BRA XI 25 05 22 35.5–.54 50.24N 19.00E 10–3 2.0L,2.3b
ISC Event type kr.
IDC Error ellipse: s-maj=53.5km s-min=13.0km az=137.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.8km az=1.0.
VIE Event type sr. Error ellipse: s-maj=6.8km s-min=1.6km az=162.0. 18 km S of Katowice . Suspected Mining induced.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=4.1km s-min=1.8km az=0.0. Mining induced.
(326) Southwestern Siberia
IDC XI 25 07 35 48.2–2.0 54.64N 83.75E 0 3.0,2.6L
ASGSR XI 25 07 35 46.0–.70 54.62N 83.65E 0 2.4,2.6L **¶621618686**
IDC Error ellipse: s-maj=17.3km s-min=13.0km az=173.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(716) Kyrgyzstan
ISC XI 25 11 34 41.9–1.3 41.08N–.04 70.51E–.07 10 14 1-3
KRNET XI 25 11 34 35.9–.10 41.32N 69.99E 2.5b **¶622412602**
ISC Event type se.
(536) Sweden
UPP XI 25 12 00 21.8–.10 57.71N 14.50E 0 2.1L
DNK XI 25 12 00 22.1–.31 57.71N 14.50E 0 2.1L **¶621468757**
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Explosion.
(721) Finland
ISC XI 25 12 31 46.1–.76 63.91N–.03 28.08E–.03 0 70 1-9
HEL XI 25 12 31 46.8–.10 63.98N 28.14E 0 1.9L **¶621468759**
IDC XI 25 12 31 48.5–2.0 63.94N 27.92E 0 2.7,2.1L
BER XI 25 12 31 48.9–.88 63.87N 28.08E 0 2.7,2.1L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.5km s-min=1.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=36.2km s-min=12.7km az=98.0.
BER Event type sh. Error ellipse: s-maj=6.5km s-min=24.3km az=-1.0. Suspected explosion.
(536) Sweden
ISC XI 25 18 01 26.2–.75 67.09N–.02 20.99E–.02 0 72 0-6
UPP XI 25 18 01 25.9–.10 67.05N 20.95E 0 2.1L **¶621468781**
HEL XI 25 18 01 26.0–.30 67.06N 20.84E 0 2.1L
IDC XI 25 18 01 28.8–2.6 67.11N 21.28E 0 2.6,1.8L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=5.8km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=40.0km s-min=15.3km az=95.0.
(460) Wyoming
ISC XI 25 22 29 08.6–.74 43.76N–.05 105.38W–.07 0 3.9b 41 1-90
NEIC XI 25 22 29 08.4–1.0 43.77N–.04 105.40W–.03 0–1 3.3L **¶621618730**
IDC XI 25 22 29 10.0–1.0 44.04N 105.64W 0 3.9b,3.7
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.1km s-min=3.2km az=26.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.4km s-min=10.4km az=142.0.
(536) Sweden
HEL XI 26 00 19 16.9–.30 67.84N 20.04E 0 1.3L ¶635891162
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=6.5km az=-1.0. Suspected explosion.
(536) Sweden
UPP XI 26 00 19 52.9–.10 67.82N 20.20E 0 2.1L ¶621743368
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC XI 26 05 00 43.2–.80 67.65N–.03 33.68E–.04 0 48 0-23
IDC XI 26 05 00 43.7–2.5 67.68N 34.08E 0 3.5s,3.4 **¶621621984**
KOGSR XI 26 05 00 44.0 67.65N 33.76E 0 1.6L,3.4
BER XI 26 05 00 44.9–.69 67.60N 33.85E 0 1.6L,3.4
HEL XI 26 05 00 44.1–.10 67.63N 33.77E 0 1.5L,3.4
ISC Event type kh.
IDC Error ellipse: s-maj=27.5km s-min=12.5km az=84.0.
KOGSR Event type kh. Error ellipse: s-maj=2.5km s-min=1.6km az=110.0. Khibiny, mines Kirovsk, Yukspor.
BER Event type sh. Error ellipse: s-maj=9.1km s-min=18.7km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=2.8km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
NNC XI 26 09 57 20.8–2.4 54.43N 86.77E 0 3.7b,3.5
ASGSR XI 26 09 57 18.0–.90 54.36N 86.87E 0 3.2,3.5 **¶624927589**
NNC Event type sm. Error ellipse: s-maj=47.1km s-min=12.5km az=163.0. Suspected Mining explosion.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
ISC XI 26 10 22 14.9–.93 64.76N–.03 30.83E–.04 0 59 1-6
BER XI 26 10 22 11.2–.39 64.41N 31.63E 0 **¶625335936**
HEL XI 26 10 22 15.4–.10 64.77N 30.76E 0 1.9L

KOGSR XI 26 10 22 15.7 64.80N 30.18E 0 2.2L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=22.3km s-min=53.4km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.6km s-min=3.2km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=15.4km s-min=9.8km az=140.0. Karelia,Finland, Oulu area.

(332) Northern Xinjiang

NNC XI 26 10 22 24.1–1.1 44.64N 82.03E 0 3.8b,3.4 ¶624927595

NNC Event type sm. Error ellipse: s-maj=12.6km s-min=3.7km az=120.0. Suspected Mining explosion.

(723) Finland-Karelia border region

HEL XI 26 10 22 59.6–.20 64.79N 30.81E 0 2.2L
KOGSR XI 26 10 23 00.5 64.77N 30.72E 0 2.3L ¶625335939
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=4.9km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=11.9km s-min=7.2km az=160.0. Kostomuksha, Karelia.

(536) Sweden

ISC XI 26 10 49 27.1–.77 67.59N–.02 21.07E–.02 0 51 0-7
HEL XI 26 10 49 27.4–.20 67.64N 20.83E 0 1.3L ¶621621995
UPP XI 26 10 49 28.1–.00 67.64N 21.03E 0 2.4L
IDC XI 26 10 49 57.8–2.7 67.74N 21.09E 0 2.7,2.1L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=4.2km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=36.8km s-min=17.0km az=113.0.

(724) Baltic States-Belarus-Northwestern Russia

HEL XI 26 10 57 49.5–1.0 60.90N 29.34E 0 1.1L ¶631556585

HEL Event type sh. Error ellipse: s-maj=3.8km s-min=13.0km az=-1.0. Suspected explosion.

(713) Central Kazakhstan

ISC XI 26 11 36 31.0–2.7 43.63N–.07 70.0E–.10 0 15 1-4
NNC XI 26 11 36 25.5–1.6 43.55N 69.57E 0 3.8b,3.2 ¶622412637
SOME XI 26 11 36 25.0 43.48N 69.60E 3.8b,3.2
KRNET XI 26 11 36 26.6–.10 43.73N 69.71E 2.9b,3.2
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=15.2km s-min=7.4km az=46.0. Suspected Mining explosion.
SOME Event type kx.

(460) Wyoming

ISC XI 26 15 52 36.3–1.2 43.73N–.06 105.36W–.07 0 22 1-14
NEIC XI 26 15 52 36.2–1.0 43.71N–.05 105.42W–.06 0–1 3.1L ¶621622010
IDC XI 26 15 52 37.0–2.0 44.05N 105.64W 0 3.3L,3.3
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.8km s-min=3.1km az=316.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.2km s-min=12.5km az=145.0.

(460) Wyoming

ISC XI 26 17 56 21.3–1.1 43.82N–.06 105.12W–.06 0 63 2-11
NEIC XI 26 17 56 19.6–1.9 43.90N–.05 105.07W–.08 0–1 2.9L ¶621622023
IDC XI 26 17 56 23.5–2.1 43.96N 105.46W 0 3.2,2.4L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.0km s-min=7.9km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.4km s-min=12.6km az=146.0.

(460) Wyoming

ISC XI 26 22 57 50.2–1.3 43.73N–.07 105.38W–.08 0 19 1-14
NEIC XI 26 22 57 46.6–2.3 43.86N–.05 105.17W–.07 0–2 3.3L ¶621622031
IDC XI 26 22 57 50.4–1.8 43.73N 105.44W 0 3.2,3.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.9km s-min=4.8km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.3km s-min=11.5km az=146.0.

(721) Finland

ISC XI 26 23 53 42.1–.99 70.02N–.03 26.03E–.02 17–7 200 0-12
FCIAR XI 26 23 53 42.0 69.80N 25.64E 10 ¶621476320
IDC XI 26 23 53 43.2–1.5 70.00N 26.29E 0 4.2,3.1L
KOGSR XI 26 23 53 43.0–.50 69.93N–.05 26.28E–.08 0 3.1,3.1L
NAO XI 26 23 53 43.9–.40 69.95N 26.10E 4–3 2.9L,3.1L
HEL XI 26 23 53 44.2 69.97N 26.19E 14 2.6L,3.1L
BER XI 26 23 53 44.1–2.7 69.98N 26.17E 0–5 2.9L,2.6L
ISC Event type ke.
FCIAR station LSH has station magnitude of 3.1. station KLMR has station magnitude of 3.5. station OMEGA has station magnitude of 3.3. station ZFI2 has station magnitude of 3.3.
IDC Error ellipse: s-maj=13.9km s-min=8.6km az=49.0.
KOGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NAO Event type se. Presumed earthquake.
HEL Event type ke. Confirmed Earthquake.
BER Event type ke. Error ellipse: s-maj=5.0km s-min=9.9km az=-1.0. Confirmed Earthquake.

(332) Northern Xinjiang

ISC XI 27 11 01 27.2–1.6 44.56N–.06 82.03E–.09 0 24 2-5
NNC XI 27 11 01 27.2–1.4 44.59N 82.09E 0 3.6b,3.4 ¶624927650
SOME XI 27 11 01 27.3 44.67N 82.10E 15 3.6b,3.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=14.7km s-min=4.4km az=126.0. Suspected Mining explosion.

(460) Wyoming

ISC XI 27 14 43 38.9–1.3 43.77N–.06 105.29W–.07 0 17 1-14
NEIC XI 27 14 43 37.6–1.3 43.74N–.05 105.28W–.06 0–1 3.2L ¶621625129
IDC XI 27 14 43 41.1–2.0 44.10N 105.74W 0 3.3,2.6L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.8km s-min=2.7km az=39.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.8km s-min=12.6km az=144.0.

(584) South Africa

PRE XI 27 16 29 32.8–1.2 26.32S 29.24E 0 1.9L
BGSI XI 27 16 29 38.5–.53 26.13S 29.86E 16–17 2.1L ¶624894824
PRE Event type sh. Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=2.5km s-min=15.0km az=-1.0. Presumed earthquake.

(329) Eastern Kazakhstan

ISC XI 28 07 43 19.5–1.3 49.97N–.05 82.25E–.06 0 10 2-4
NNC XI 28 07 43 24.8–1.2 49.73N 81.97E 0 3.0b,2.7 ¶621625163
IDC XI 28 07 43 27.6–1.4 49.77N 81.47E 0 2.7,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=15.9km s-min=3.0km az=54.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.3km s-min=13.0km az=58.0.

(547) Czech and Slovak Republics

ISC XI 28 08 13 14.4–.84 49.83N–.04 18.54E–.03 0 56 0-5
VIE XI 28 08 13 15.4–.75 49.80N 18.51E 0 2.8L,2.5b ¶621494317
IPEC XI 28 08 13 15.6–.29 49.84N 18.55E 1 2.5L,2.5b
PRU XI 28 08 13 18.2 49.82N 18.38E 0 2.5L,2.5b
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=8.3km s-min=4.5km az=157.0. 7 km SSW of Karvina . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=66.0.
PRU Event type ki.

(460) Wyoming

ISC XI 28 16 41 10.9–1.1 44.23N–.07 104.59W–.08 0 14 2-8
NEIC XI 28 16 41 24.7–2.6 43.63N–.05 105.3W–.10 0–2 2.6L ¶621625183
IDC XI 28 16 41 31.3–3.0 43.25N 105.78W 0 2.9,2.4L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=13.3km s-min=7.8km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.9km s-min=17.7km az=156.0.

(536) Sweden

HEL XI 28 23 04 16.1–.20 67.17N 20.56E 0 1.1L ¶635891157

HEL Event type sh. Error ellipse: s-maj=0.8km s-min=3.7km az=-1.0. Suspected explosion.

(536) Sweden

UPP XI 28 23 04 49.2–.10 67.19N 20.64E 0 1.9L ¶621743412

UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR XI 29 04 05 12.3 67.68N 33.72E 0 1.4L
HEL XI 29 04 05 13.2–.20 67.79N 33.64E 0 1.1L ¶625336015
KOGSR Event type kh. Error ellipse: s-maj=1.8km s-min=1.1km az=130.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type sh. Error ellipse: s-maj=3.2km s-min=3.5km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR XI 29 04 05 36.8 67.62N 33.89E 0 1.3L ¶635891147

KOGSR Event type kh. Error ellipse: s-maj=1.7km s-min=1.2km az=130.0. Khibiny, mines Rasvumchorr, Central.

(724) Baltic States-Belarus-Northwestern Russia

ISC XI 29 10 12 28.1–.84 64.74N–.02 30.63E–.04 0 65 1-20
IDC XI 29 10 12 27.6–3.0 64.65N 31.06E 0 2.9,2.0L ¶621481110
HEL XI 29 10 12 27.6–.20 64.69N 30.69E 0 2.0L,2.0L
KOGSR XI 29 10 12 29.3 64.68N 30.72E 0 2.5L,2.0L
ISC Event type kh.
IDC Error ellipse: s-maj=39.9km s-min=11.2km az=98.0.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=4.1km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=13.5km s-min=9.0km az=150.0. Kostomuksha, Karelia.

(549) Hungary

KRSZO XI 29 10 26 18.4–.92 47.84N 19.13E 0 ¶621718547

KRSZO Event type kx. Explosion. locality : Sejce-Vc Hungary GT info : GT2 explosion.

(546) Austria

VIE XI 29 10 26 39.8–.21 47.92N 16.55E 0 1.0b,0.9L ¶635891160

VIE Event type sm. Error ellipse: s-maj=3.1km s-min=1.1km az=151.0. 6 km ESE of Deutsch Brodersdorf . Suspected Mining explosion.

(646) Northern Norway

BER XI 29 10 34 42.4–1.3 70.37N 28.57E 0 0.7L
HEL XI 29 10 34 39.4–.60 70.50N 28.63E 0 1.6L ¶625346379
KOGSR XI 29 10 34 40.5 69.91N 30.55E 0
BER Event type sh. Error ellipse: s-maj=6.1km s-min=9.5km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=3.9km s-min=8.6km az=-1.0. Suspected explosion.
KOGSR Event type kh. Norway, Finnmark.

(536) Sweden

HEL XI 29 10 35 30.3–.30 67.83N 20.09E 0 1.2L ¶631564156

HEL Event type sh. Error ellipse: s-maj=1.3km s-min=6.1km az=-1.0. Suspected explosion.

(383) Northwestern Balkan Peninsula

LJU XI 29 12 51 46.1 45.58N 15.33E 0 0.9L ¶625607885

LJU Event type sh. Suspected explosion.

(536) Sweden

ISC XI 29 13 21 06.2–.85 65.69N–.02 22.15E–.04 0 33 0-5
HEL XI 29 13 21 07.2–.10 65.70N 22.13E 0 1.4L ¶621626970
IDC XI 29 13 21 09.8–2.0 65.70N 22.81E 0 2.8,1.7L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=37.9km s-min=9.7km az=87.0.

(460) Wyoming

ISC XI 29 19 59 56.7–.88 43.73N–.05 105.32W–.04 0 34 1-9
IDC XI 29 19 59 58.8–2.7 43.69N 105.17W 0 3.3,3.0L ¶621626990
NEIC XI 29 19 59 59.9–2.2 43.54N–.06 105.14W–.06 0–1 3.3L,3.0L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(724) Baltic States-Belarus-Northwestern Russia

ISC XI 30 04 09 19.6–.83 67.58N–.03 33.86E–.03 0 60 0-12
BER XI 30 04 09 19.6–.60 67.46N 34.06E 0 ¶621627011
KOGSR XI 30 04 09 20.7 67.64N 33.78E 0 2.0L
HEL XI 30 04 09 21.0–.10 67.70N 33.70E 0 1.9L
IDC XI 30 04 09 22.4–2.6 67.60N 33.49E 0 3.6,2.3L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=7.1km s-min=18.8km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=1.8km s-min=1.1km az=140.0. Khibiny, mines Kirovsk, Yukspor,Khibiny, mines Rasvumchorr, Central.
HEL Event type sh. Error ellipse: s-maj=1.5km s-min=2.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=28.7km s-min=12.2km az=87.0.

(548) Poland

ISC XI 30 05 06 59.0–.82 51.69N–.03 16.05E–.03 0 62 1-11
IDC XI 30 05 07 00.5–1.6 51.52N 16.27E 0 3.1,2.1L ¶621608979
IPEC XI 30 05 07 01.8–.21 51.57N 16.07E 1 2.3L,2.1L
DNK XI 30 05 07 01.9–1.4 51.71N 15.83E 10 2.3L,2.1L
VIE XI 30 05 07 01.8–1.1 51.52N 15.93E 0 2.7L,2.6b
PRU XI 30 05 07 02.5 51.54N 15.97E 0 2.7L,2.6b
ISC Event type sr.
IDC Error ellipse: s-maj=28.5km s-min=12.8km az=131.0.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.2km az=60.0.
DNK Event type se. Error ellipse: s-maj=15.2km s-min=43.3km az=-1.0. Presumed earthquake.
VIE Event type sr. Error ellipse: s-maj=8.6km s-min=6.2km az=39.0. 23 km NW of Lubin . Suspected Mining induced.
PRU Event type ki.

(326) Southwestern Siberia

IDC XI 30 06 39 43.8–3.6 54.39N 86.57E 0 3.2,2.8L
ASGSR XI 30 06 39 40.0–.80 54.40N 86.67E 0 2.9,2.8L ¶625336038
IDC Error ellipse: s-maj=27.2km s-min=16.4km az=59.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(536) Sweden

UPP XI 30 07 03 53.0–.10 67.87N 20.19E 0 1.9L
HEL XI 30 07 03 54.7–.20 67.83N 20.30E 0 0.9L ¶621743445
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=4.6km az=-1.0. Suspected explosion.

(326) Southwestern Siberia

IDC XI 30 07 20 48.5–2.2 54.64N 83.83E 0 2.9,2.6L
ASGSR XI 30 07 20 46.0 54.63N 83.69E 0 2.3,2.6L ¶621627026
IDC Error ellipse: s-maj=18.2km s-min=14.8km az=4.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

ISC XI 30 07 28 01.8–1.2 50.35N–.07 79.28E–.07 0 27 1-6
NNC XI 30 07 28 02.1–.69 50.07N 79.28E 0 2.9b,2.5 ¶621627027
IDC XI 30 07 28 04.3–1.3 50.01N 78.73E 0 2.5,1.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=15.7km s-min=3.5km az=53.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.6km s-min=9.6km az=49.0.

(329) Eastern Kazakhstan

ISC XI 30 07 36 17.9–.92 50.04N–.04 78.62E–.05 0 30 1-5
NNC XI 30 07 36 18.2–.85 50.00N 78.54E 0 3.1b,3.0 ¶621627029
IDC XI 30 07 36 18.1–1.4 50.05N 78.82E 0 2.6,1.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=8.0km s-min=4.2km az=81.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.1km s-min=10.3km az=64.0.

(326) Southwestern Siberia

IDC XI 30 07 55 20.4–3.4 54.32N 86.22E 0 3.2,2.9L
ASGSR XI 30 07 55 18.0–1.3 54.31N 86.14E 0 2.8,2.9L ¶621627032
IDC Error ellipse: s-maj=25.5km s-min=12.9km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC XI 30 09 19 29.0–3.8 54.05N 86.51E 0 2.7,2.3L
ASGSR XI 30 09 19 25.0–.90 54.04N 86.63E 0 2.5,2.3L ¶621627038
IDC Error ellipse: s-maj=32.6km s-min=14.5km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia
ASGSR XI 30 09 47 20.0–1.5 55.67N 86.18E 0 2.8
IDC XI 30 09 47 24.3–4.4 55.51N 86.31E 0 2.8,2.4L ¶621627040
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=33.0km s-min=26.1km az=9.0.
(713) Central Kazakhstan
ISC XI 30 09 59 52.5–2.8 43.6N–.10 69.6E–.10 0 18 1-4
SOME XI 30 09 59 50.8 43.68N 69.78E ¶622412734
NNC XI 30 09 59 51.2–1.2 43.71N 69.69E 0 3.7b,3.1
KRNET XI 30 09 59 52.5–.10 43.61N 69.63E 2.9b,3.1
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=7.3km s-min=5.4km az=0.0. Suspected Mining explosion.
(460) Wyoming
ISC XI 30 20 43 43.1–1.1 43.80N–.07 105.20W–.06 0 58 2-14
NEIC XI 30 20 43 39.7–2.5 43.86N–.05 105.15W–.07 0–1 3.4L ¶621627092
IDC XI 30 20 43 46.4–1.4 44.27N 105.77W 0 3.2,2.9L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.6km s-min=8.0km az=318.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.7km s-min=12.2km az=144.0.
(548) Poland
ISC XII 01 05 02 20.4–.81 51.65N–.03 16.19E–.03 0 77 1-11
IPEC XII 01 05 02 21.6–.19 51.58N 16.22E 1 2.5L ¶621614014
IDC XII 01 05 02 22.8–1.4 51.49N 16.22E 0 3.3,2.7L
VIE XII 01 05 02 24.7–.39 51.38N 15.87E 0 2.7L,2.7b
PRU XII 01 05 02 24.9 51.46N 16.14E 0 2.7L,2.7b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=67.0.
IDC Error ellipse: s-maj=17.7km s-min=10.2km az=139.0.
VIE Event type sr. Error ellipse: s-maj=3.5km s-min=2.7km az=60.0. 23 km W of Lubin . Suspected Mining induced.
PRU Event type ki.
(536) Sweden
ISC XII 01 06 30 28.0–.78 67.18N–.02 20.81E–.03 0 51 0-17
UPP XII 01 06 30 28.8–.00 67.19N 20.67E 0 2.3L ¶621629790
HEL XII 01 06 30 28.5–.30 67.17N 20.61E 0 1.4L
IDC XII 01 06 30 31.8–2.9 67.23N 21.46E 0 3.0,2.1L
ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=5.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=44.9km s-min=12.9km az=95.0.
(326) Southwestern Siberia
IDC XII 01 07 18 13.9–3.7 53.50N 90.70E 0 2.8,2.4L
ASGSR XII 01 07 18 07.0–1.2 53.76N 91.10E 0 2.8,2.4L ¶621629792
IDC Error ellipse: s-maj=36.3km s-min=26.5km az=26.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(332) Northern Xinjiang
ISC XII 01 10 13 59.0–2.8 44.1N–.10 82.0E–.20 0 12 2-3
SOME XII 01 10 14 02.2 44.13N 81.85E 15 ¶624927779
NNC XII 01 10 14 08.9–2.7 44.28N 81.40E 0 2.6b,2.3
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=45.9km s-min=8.7km az=124.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 01 12 05 13.8 67.66N 33.77E 0 1.1L
¶625336105
KOGSR Event type kh. Error ellipse: s-maj=2.0km s-min=0.7km az=160.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 01 12 05 24.7 67.65N 33.84E 0 1.4L
¶636235712
KOGSR Event type kh. Error ellipse: s-maj=1.7km s-min=0.9km az=150.0. Khibiny, mines Rasvumchorr, Central.
(724) Baltic States-Belarus-Northwestern Russia
ISC XII 01 17 29 53.7–.93 67.65N–.05 33.77E–.04 0 19 0-5
KOGSR XII 01 17 29 53.5 67.67N 33.75E 0 1.1L ¶636235735
HEL XII 01 17 29 54.0–.20 67.58N 33.87E 0 1.0L
ISC Event type sh.
KOGSR Error ellipse: s-maj=1.6km s-min=0.9km az=150.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type sh. Error ellipse: s-maj=3.3km s-min=7.8km az=-1.0. Suspected explosion.
(723) Finland-Karelia border region
ISC XII 02 10 00 08.8–.86 64.71N–.02 30.69E–.04 0 84 1-10
HEL XII 02 10 00 07.5–.50 64.71N 30.89E 0 2.1L ¶621629882
IDC XII 02 10 00 08.1–3.8 64.72N 31.76E 0 3.1,2.1L
UPP XII 02 10 00 08.5–3.1 64.31N 30.57E 0 2.0L,2.1L
BER XII 02 10 00 11.1–.87 64.71N 30.97E 0 2.1L,2.1L
KOGSR XII 02 10 00 11.1 64.72N 30.72E 0 2.4L,2.1L
ISC Event type kh.
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=8.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=55.5km s-min=14.3km az=99.0.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0. Presumed earthquake.
BER Event type sh. Error ellipse: s-maj=34.4km s-min=88.4km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=12.0km s-min=6.3km az=160.0. Kostomuksha, Karelia.
(538) France
STR XII 02 11 02 59.5–.83 47N–4.0 2W–5.0 0 1.9
¶626069703
STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
(538) France
STR XII 02 11 03 06.4–.43 48N–3.0 1W–3.0 0 1.7
¶626069700
STR Event type sm. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
(579) Botswana
PRE XII 02 11 26 13.3–.75 23.61S 25.41E 0 1.6L
BGSI XII 02 11 26 20.1–.85 23.98S 26.27E 71–12 1.8L ¶624894843
PRE Event type sh. Error ellipse: s-maj=3.2km s-min=5.4km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=3.5km s-min=8.8km az=-1.0. Presumed earthquake.
(642) Norwegian Sea
ISC XII 02 14 27 34.2–.41 67.88N–.03 10.30E–.04 0 4.2b,3.2s 292 1-148
IDC XII 02 14 27 35.8–.61 67.94N 10.38E 0 3.9,3.8L ¶621608996
NEIC XII 02 14 27 36.5–2.0 67.85N–.07 10.2E–.20 10–1 4.4b,3.8L
DNK XII 02 14 27 36.1–.86 67.90N 10.45E 0 3.2L,3.8L
NAO XII 02 14 27 38.3–.60 67.89N 10.37E 22–6 3.8L,3.8L
UPP XII 02 14 27 38.5–3.0 67.92N 10.78E 0 3.2L,3.8L
KOGSR XII 02 14 27 38.6 67.78N 10.90E 0 3.3L,3.8L
FCIAR XII 02 14 27 43.0 68.09N 11.56E 10 3.3L,3.8L
BER XII 02 14 29 20.0–.28 70.97N 8.36W 3 3.3L,3.8L
ISC Event type sh.
IDC Error ellipse: s-maj=10.0km s-min=9.5km az=58.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.1km az=269.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DNK Event type sh. Error ellipse: s-maj=11.4km s-min=27.1km az=-1.0. Suspected explosion.
NAO Event type se. Presumed earthquake.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=19.1km s-min=14.0km az=30.0. Norwegian sea.
FCIAR station LSH has station magnitude of 3.7. station KLMR has station magnitude of 3.9. station OMEGA has station magnitude of 3.2. station ZFI2 has station magnitude of 3.3. station SHIP has station magnitude of 4.0.
BER Event type se. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. Presumed earthquake.
(536) Sweden
ISC XII 02 18 00 13.4–.74 67.07N–.02 20.97E–.02 0 75 0-11
UPP XII 02 18 00 13.6–.10 67.05N 20.95E 0 2.3L ¶621609016
HEL XII 02 18 00 14.4–.20 67.08N 20.99E 0 2.1L
IDC XII 02 18 00 14.3–1.2 67.06N 21.14E 0 3.6,2.0L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=4.8km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=17.6km s-min=9.2km az=109.0.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 02 20 04 33.8 67.64N 33.84E 0 1.3L
¶625336120
KOGSR Event type kh. Error ellipse: s-maj=1.8km s-min=1.0km az=150.0. Khibiny, mines Rasvumchorr, Central.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 02 20 04 56.4 67.64N 33.85E 0 1.4L
¶636235713
KOGSR Event type kh. Error ellipse: s-maj=1.7km s-min=1.2km az=160.0. Khibiny, mines Rasvumchorr, Central.
(456) Montana
ISC XII 02 20 57 35.3–1.1 45.18N–.07 106.95W–.06 0 25 2-14
NEIC XII 02 20 57 35.8–2.2 45.12N–.04 106.99W–.05 0–1 2.7L ¶621629910
IDC XII 02 20 57 36.5–2.0 44.95N 106.74W 0 3.4,3.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.6km s-min=4.7km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.5km s-min=16.0km az=136.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC XII 03 05 10 26.2–.87 67.55N–.03 33.88E–.04 0 58 0-12
IDC XII 03 05 10 27.5–2.5 67.61N 33.88E 0 3.4,2.5L ¶621630560
HEL XII 03 05 10 28.3–.20 67.70N 33.71E 0 1.7L,2.5L
KOGSR XII 03 05 10 28.2 67.65N 33.77E 0 1.7L,2.5L
ISC Event type sh.
IDC Error ellipse: s-maj=25.7km s-min=12.2km az=90.0.
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=3.2km az=-1.0. Suspected explosion.
KOGSR Error ellipse: s-maj=2.2km s-min=1.9km az=130.0. Khibiny, mines Kirovsk, Yukspor.
(326) Southwestern Siberia
IDC XII 03 05 26 05.4–2.0 54.65N 83.76E 0 2.8,2.3L
ASGSR XII 03 05 26 03.0–1.1 54.69N 83.65E 0 2.3,2.3L ¶621630562
IDC Error ellipse: s-maj=17.7km s-min=11.7km az=158.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC XII 03 05 44 59.8–1.9 54.72N 83.73E 0 2.7,2.2L
ASGSR XII 03 05 45 00.0–1.2 54.68N 83.65E 0 2.3,2.2L ¶621630566
IDC Error ellipse: s-maj=16.7km s-min=11.5km az=169.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(548) Poland
IPEC XII 03 05 54 48.7–.16 50.23N 18.99E 1 1.7L
PRU XII 03 05 54 48.9 50.26N 18.94E 0 1.7L ¶621614055
BRA XII 03 05 54 49.8–.58 50.20N 18.99E 0 1.7L
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.7km az=6.0.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=3.2km s-min=2.3km az=0.0. Mining induced.
(326) Southwestern Siberia
IDC XII 03 06 21 57.9–2.1 54.68N 83.74E 0 2.8,2.3L
ASGSR XII 03 06 21 56.0–1.4 54.66N 83.62E 0 2.2,2.3L ¶621630570
IDC Error ellipse: s-maj=18.3km s-min=12.4km az=162.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(548) Poland
ISC XII 03 07 48 09.3–.74 51.54N–.03 16.15E–.03 0 87 1-19
IDC XII 03 07 48 10.0–1.7 51.51N 15.94E 0 3.8,2.3L ¶621614060
VIE XII 03 07 48 09.5–.87 51.48N 16.14E 0 2.9L,2.6b
IPEC XII 03 07 48 10.4–.19 51.50N 16.20E 1 2.4L,2.6b
PRU XII 03 07 48 11.8 51.45N 16.06E 0 2.4L,2.6b
DNK XII 03 07 48 12.0–1.7 51.65N 16.15E 0–62 2.3L,2.6b
BRA XII 03 07 48 19.4–1.2 51.24N 16.41E 0 2.0L,2.6b
ISC Event type kr.
IDC Error ellipse: s-maj=35.6km s-min=13.1km az=116.0.
VIE Event type sr. Error ellipse: s-maj=6.1km s-min=5.4km az=18.0. 10 km NNW of Lubin . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=61.0.
PRU Event type ki.
DNK Event type se. Error ellipse: s-maj=52.5km s-min=65.9km az=-1.0. Presumed earthquake.
BRA Event type kr. Error ellipse: s-maj=4.9km s-min=4.8km az=0.0. Mining induced.
(383) Northwestern Balkan Peninsula
VIE XII 03 08 58 01.5–.27 46.66N 15.23E 0 0.7L
¶621718611
VIE Event type sm. Error ellipse: s-maj=2.4km s-min=1.0km az=25.0. 4 km SSW of Eibiswald . Suspected Mining explosion.
(547) Czech and Slovak Republics
KRSZO XII 03 08 59 42.7–1.2 48.39N 17.39E 0 1.8L
BRA XII 03 08 59 41.1–1.2 48.40N 17.01E 0 1.6L ¶625428240
KRSZO Event type sx. Error ellipse: s-maj=9.8km s-min=3.6km az=131.0. Suspected Explosion.
BRA Event type sm. Error ellipse: s-maj=5.6km s-min=5.1km az=90.0. Suspected Mining explosion.
(713) Central Kazakhstan
ISC XII 03 08 59 52.3–2.3 43.67N–.08 69.7E–.10 0 8 1-3
SOME XII 03 08 59 49.8 43.72N 69.35E ¶624927844
NNC XII 03 08 59 53.5–5.6 43.64N 69.73E 0 3.7b,2.9
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=43.7km s-min=14.5km az=129.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC XII 03 09 00 15.4–3.3 53.59N 87.70E 0 2.8,2.6L
ASGSR XII 03 09 00 15.0–.80 53.56N 87.53E 0 2.8,2.6L ¶621630580
IDC Error ellipse: s-maj=25.3km s-min=16.9km az=71.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 03 12 04 37.6 67.64N 33.87E 0 1.2L
HEL XII 03 12 04 38.9–.30 67.75N 33.83E 0 1.2L ¶625336193
KOGSR Event type kh. Error ellipse: s-maj=2.7km s-min=0.5km az=150.0. Khibiny, mines Rasvumchorr, Central.
HEL Event type kh. Error ellipse: s-maj=5.8km s-min=5.2km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 03 12 05 06.1 67.62N 33.86E 0 1.6L
BER XII 03 12 05 00.3–.82 67.22N 34.95E 0 1.2L ¶636235732
KOGSR Event type kh. Error ellipse: s-maj=1.6km s-min=1.2km az=130.0. Khibiny, mines Rasvumchorr, Central.
BER Event type sh. Error ellipse: s-maj=10.7km s-min=29.1km az=-1.0. Suspected explosion.
(715) Tajikistan
ISC XII 03 12 09 21.9–1.6 41.12N–.04 69.74E–.10 5–14 15 1-3
SOME XII 03 12 09 19.0 40.82N 69.32E 20 ¶622412826
KRNET XII 03 12 09 20.8–.10 41.13N 69.66E 2.6b
ISC Event type se.
(543) Germany
VIE XII 03 12 22 00.8–.87 48.39N 9.79E 0 1.9b,1.7L
¶636235749
VIE Event type sm. Error ellipse: s-maj=6.5km s-min=2.5km az=20.0. 16 km W of Ulm . Suspected Mining explosion.
(584) South Africa
ISC XII 03 14 38 42.3–.89 26.46S–.04 29.30E–.03 0 30 1-13
BGSI XII 03 14 38 42.3–1.1 26.30S 30.05E 0–15 3.0L ¶621630600
PRE XII 03 14 38 42.8–1.1 26.45S 29.26E 0 2.6L
IDC XII 03 14 38 44.4–5.8 26.15S 29.17E 0 2.9,2.4L
ISC Event type sh.
BGSI Event type se. Error ellipse: s-maj=5.2km s-min=14.4km az=-1.0. Presumed earthquake.
PRE Event type sh. Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=84.5km s-min=41.8km az=144.0.
(584) South Africa
ISC XII 03 15 09 05.4–.81 26.01S–.03 29.06E–.04 0 30 1-13
PRE XII 03 15 09 05.3–.92 26.01S 29.07E 0 2.3L ¶621630604
IDC XII 03 15 09 07.0–2.2 25.99S 29.05E 0 3.3,2.8L
BGSI XII 03 15 09 09.9–1.9 25.62S 28.01E 374–53 2.4L,2.8L
ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=2.5km s-min=1.7km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=23.4km s-min=10.3km az=110.0.
BGSI Event type se. Error ellipse: s-maj=14.9km s-min=70.6km az=-1.0. Presumed earthquake.

(646) Northern Norway
BER XII 03 17 00 30.8–.95 66.39N 14.79E 0 0.9L ¶636235727
BER Event type sh. Error ellipse: s-maj=5.6km s-min=14.7km az=-1.0. Suspected explosion.
(548) Poland
ISC XII 04 04 53 31.5–1.2 51.59N–.06 16.05E–.03 0 58 1-4
VIE XII 04 04 53 31.9–.81 51.58N 16.19E 0 2.6L,2.6b **¶621614072**
IPEC XII 04 04 53 32.3–.21 51.58N 16.10E 1 2.1L,2.6b
BRA XII 04 04 53 32.6–1.2 51.52N 15.93E 0 2.3L,2.6b
PRU XII 04 04 53 34.8 51.51N 15.93E 0 2.3L,2.6b
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=9.0km s-min=5.3km az=81.0. 20 km N of Lubin . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=59.0.
BRA Event type kr. Error ellipse: s-maj=5.2km s-min=5.2km az=90.0. Mining induced.
PRU Event type ki.
(548) Poland
ISC XII 04 07 52 19.7–.68 50.31N–.03 18.81E–.02 0 89 0-20
IDC XII 04 07 52 20.1–.96 50.24N 18.91E 0 3.3,2.7L **¶621612100**
VIE XII 04 07 52 20.9–.31 50.26N 18.79E 0 2.6L,2.6b
IPEC XII 04 07 52 20.9–.16 50.32N 18.77E 1 2.6L,2.6b
PRU XII 04 07 52 22.0 50.26N 18.76E 0 2.6L,2.6b
ISC Event type sr.
IDC Error ellipse: s-maj=18.9km s-min=8.7km az=157.0.
VIE Event type sr. Error ellipse: s-maj=4.8km s-min=1.4km az=162.0. 14 km W of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=0.8km az=173.0.
PRU Event type ki.
(555) Western Arabian Peninsula
GII XII 04 13 03 23.9–.00 29.741N–.00 36.371E–.00 0 ¶635753270
GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 04 20 05 53.1 67.70N 33.71E 0 1.2L ¶625336254
KOGSR Event type kh. Error ellipse: s-maj=1.7km s-min=1.1km az=140.0. Khibiny Mines.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 04 20 06 17.5 68.23N 32.88E 0 1.9L ¶636235730
KOGSR Event type kh. Error ellipse: s-maj=5.3km s-min=3.1km az=140.0. Murmansk region, Monchegorsk district.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 04 20 42 14.7 67.64N 33.75E 0 1.5L
HEL XII 04 20 42 14.2–.40 67.85N 33.77E 0 1.2L **¶625336255**
KOGSR Event type kh. Error ellipse: s-maj=1.6km s-min=1.3km az=140.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=7.6km az=-1.0. Explosion.
(715) Tajikistan
ISC XII 05 06 22 15.0–1.7 40.99N–.06 69.7E–.10 0 19 0-3
NNC XII 05 06 22 08.7–6.1 40.59N 69.50E 0 3.1b,2.8 **¶624927923**
SOME XII 05 06 22 13.8 40.88N 69.67E 10 3.1b,2.8
KRNET XII 05 06 22 13.6–.10 41.49N 70.95E 2.2b,2.8
ISU XII 05 06 22 16 41.01N 69.69E 9 2.2b,2.8
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=41.7km s-min=36.5km az=46.0. Suspected Mining explosion.
KRNET Event type kh.
(536) Sweden
ISC XII 05 14 23 01.8–.71 67.20N–.02 20.79E–.02 0 64 0-11
BER XII 05 14 23 01.5–.68 67.08N 20.83E 1 **¶621631259**
HEL XII 05 14 23 02.8 67.18N 20.66E 0 2.2L
UPP XII 05 14 23 02.3–.00 67.20N 20.66E 0 2.3L
IDC XII 05 14 23 04.0–1.3 67.23N 20.73E 0 3.3,2.3L
ISC Event type ki.
BER Event type ki. Error ellipse: s-maj=4.6km s-min=9.9km az=-1.0. Confirmed Induced event.
HEL Event type ki. Confirmed Induced event.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=19.8km s-min=10.1km az=109.0.
(548) Poland
ISC XII 05 17 47 50.7–.70 51.61N–.03 16.00E–.02 0 101 1-19
IDC XII 05 17 47 52.8–1.3 51.47N 16.10E 0 3.5,2.7L **¶621614089**
IPEC XII 05 17 47 52.5–.20 51.53N 16.12E 1 2.7L,2.7L
DNK XII 05 17 47 52.2–1.9 51.64N 16.19E 0 2.6L,2.7L
VIE XII 05 17 47 54.2–.53 51.40N 15.82E 0 2.9L,2.6b
PRU XII 05 17 47 54.5 51.47N 15.95E 0 2.9L,2.6b
ISC Event type sr.
IDC Error ellipse: s-maj=18.7km s-min=10.2km az=129.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.3km az=73.0.
DNK Event type sh. Error ellipse: s-maj=12.4km s-min=40.5km az=-1.0. Suspected explosion.
VIE Event type sr. Error ellipse: s-maj=5.1km s-min=3.0km az=25.0. 26 km W of Lubin . Suspected Mining induced.
PRU Event type ki.
(724) Baltic States-Belarus-Northwestern Russia
ISC XII 05 21 47 35.0–.88 67.59N–.03 33.81E–.04 0 58 0-12
HEL XII 05 21 47 35.0–.40 67.74N 33.92E 0 1.9L **¶621631276**
KOGSR XII 05 21 47 36.4 67.64N 33.79E 0 2.0L
IDC XII 05 21 47 37.9–2.5 67.63N 33.53E 0 3.4,1.9L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=6.8km az=-1.0. Explosion.
KOGSR Error ellipse: s-maj=3.7km s-min=2.9km az=140.0. Khibiny, mines Kirovsk, Yukspor,Khibiny, mines Rasvumchorr, Central.
IDC Error ellipse: s-maj=27.5km s-min=12.0km az=89.0.
(548) Poland
PRU XII 06 00 35 53.8 50.20N 18.95E 0
BRA XII 06 00 35 54.1–.75 50.31N 18.96E 0 **¶621624200**
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=5.1km s-min=2.4km az=0.0. Mining induced.
(329) Eastern Kazakhstan
ISC XII 06 07 16 45.1–1.0 49.52N–.05 81.69E–.08 0 10 2-5
NNC XII 06 07 16 44.2–1.3 49.67N 81.85E 0 3.1b,2.7 **¶621632583**
IDC XII 06 07 16 47.2–1.6 49.59N 82.47E 0 2.6,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=17.3km s-min=3.1km az=54.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=54.6km s-min=10.1km az=100.0.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 06 14 33 58.7 67.66N 33.82E 0 1.0L ¶625346474
KOGSR Event type kh. Error ellipse: s-maj=1.3km s-min=0.8km az=150.0. Khibiny, mines Kirovsk, Yukspor,Khibiny, mines Rasvumchorr, Central.
(536) Sweden
HEL XII 06 14 34 54.7–.60 67.75N 20.25E 0 1.2L ¶635758931
HEL Event type sh. Error ellipse: s-maj=3.6km s-min=6.6km az=-1.0. Suspected explosion.
(584) South Africa
ISC XII 06 16 01 36.6–1.0 29.17S–.07 18.64E–.05 10 15 1-6
NAM XII 06 16 00 11.7–73 24.14S 21.86E 43–999 3.6L **¶624730973**
PRE XII 06 16 01 35.4–.40 29.17S 18.63E 0 2.0L
ISC Event type se.
NAM Event type se. Error ellipse: s-maj=442.9km s-min=999.9km az=-1.0. Presumed earthquake.
PRE Event type sh. Error ellipse: s-maj=2.8km s-min=3.8km az=-1.0. Suspected explosion.
(548) Poland
ISC XII 06 18 46 40.3–.65 50.27N–.03 18.97E–.02 0 117 1-20
VIE XII 06 18 46 41.6–.44 50.12N 19.03E 0 3.6s,2.9L **¶621614115**
IPEC XII 06 18 46 41.4–.10 50.22N 18.99E 1 2.6L,2.9L
PRU XII 06 18 46 41.9 50.21N 18.91E 0 2.6L,2.9L
MCSM XII 06 18 46 41.4–.40 50N–7.0 19E–3.0 3–4 2.9,2.9L
BRA XII 06 18 46 41.9–.54 50.27N 19.00E 11–2 2.4L,2.9L
DNK XII 06 18 46 41.2–1.4 50.24N 18.94E 0 2.7L,2.9L
IDC XII 06 18 46 42.5–2.2 50.36N 18.72E 0 3.3,2.3L
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=10.5km s-min=2.2km az=159.0. 15 km SSE of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=0.6km az=171.0.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=3.8km s-min=1.9km az=0.0. Mining induced.
DNK Event type sh. Error ellipse: s-maj=26.9km s-min=84.8km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=35.9km s-min=9.6km az=131.0.
(543) Germany
ISC XII 07 03 28 59.1–1.3 51.53N–.06 16.13E–.04 0 42 1-4
BRA XII 07 03 28 36.0–1.3 51.70N 14.91E 650 2.5L **¶621624213**
VIE XII 07 03 28 59.0–.73 51.52N 16.32E 0 2.6b,2.5L
IPEC XII 07 03 28 59.1–.22 51.55N 16.22E 1 1.8L,2.5L
PRU XII 07 03 29 00.0 51.55N 16.21E 0 1.8L,2.5L
ISC Event type kr.
BRA Event type kr. Error ellipse: s-maj=8.3km s-min=7.3km az=0.0. Mining induced.
VIE Event type sr. Error ellipse: s-maj=8.2km s-min=4.8km az=55.0. 16 km NNE of Lubin . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.3km az=70.0.
PRU Event type ki.
(713) Central Kazakhstan
NNC XII 07 08 29 51.0–.93 50.88N 73.57E 0 3.5b,3.4 ¶624927999
NNC Event type sm. Error ellipse: s-maj=8.4km s-min=4.9km az=150.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC XII 07 09 53 21.5–1.4 61.14N–.05 29.78E–.06 0 30 0-9
HEL XII 07 09 53 21.3–.30 61.12N 29.89E 0 1.5L **¶621632656**
IDC XII 07 09 53 26.2–4.8 61.22N 29.52E 0 3.6,2.4L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.9km s-min=3.8km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=40.8km s-min=22.4km az=141.0.
(584) South Africa
PRE XII 07 10 47 18.6–.54 27.99S 23.14E 0 2.0L
BGSI XII 07 10 47 36.7–1.2 28.39S 26.52E 84–999 1.9L **¶625905196**
PRE Event type sh. Error ellipse: s-maj=2.8km s-min=3.0km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
(724) Baltic States-Belarus-Northwestern Russia
HEL XII 07 13 00 49.2–.50 60.62N 29.08E 0 1.3L ¶635758967
HEL Event type sh. Error ellipse: s-maj=2.6km s-min=5.8km az=-1.0. Suspected explosion.
(721) Finland
HEL XII 07 13 01 53.1–.00 60.18N 24.98E 0 0.0L ¶635758968
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0. Explosion.
(460) Wyoming
ISC XII 07 21 12 43.8–1.1 43.71N–.06 105.18W–.06 0 47 1-20
NEIC XII 07 21 12 43.2–1.1 43.68N–.05 105.30W–.07 0–1 3.1L **¶621632700**
IDC XII 07 21 12 45.3–2.3 43.69N 105.37W 0 3.0L,3.0
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.2km s-min=6.0km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.8km s-min=12.1km az=146.0.
(536) Sweden
HEL XII 08 00 16 45.8–.20 67.84N 20.00E 0 1.0L ¶636235745
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=3.9km az=-1.0. Explosion.
(536) Sweden
UPP XII 08 00 17 19.7–.00 67.83N 20.20E 0 2.1L ¶621743588
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan
ISC XII 08 07 12 52.4–.93 50.02N–.05 78.69E–.05 0 31 1-5
NNC XII 08 07 12 51.9–.62 49.99N 78.59E 0 3.2b,3.0 **¶621634681**
IDC XII 08 07 12 52.0–1.5 49.99N 78.71E 0 2.7,2.3L
SOME XII 08 07 12 55.4 49.88N 78.73E 2.7,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=8.7km s-min=3.1km az=83.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.2km s-min=9.9km az=22.0.
SOME Event type kx.
(326) Southwestern Siberia
IDC XII 08 07 22 59.4–5.6 53.65N 90.45E 0 2.5
ASGSR XII 08 07 22 48.0–1.9 53.78N 91.00E 0 2.7 **¶621634682**
IDC Error ellipse: s-maj=61.8km s-min=29.2km az=38.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC XII 08 07 27 43.7–1.9 54.61N 83.66E 0 3.0,2.5L
ASGSR XII 08 07 27 41.0–.90 54.64N 83.61E 0 2.3,2.5L **¶621634684**
IDC Error ellipse: s-maj=19.2km s-min=13.2km az=169.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(713) Central Kazakhstan
NNC XII 08 08 00 03.8–.35 43.00N 69.80E 0 3.2b,2.4
KRNET XII 08 08 00 05.2–.10 43.37N 70.00E 2.9b,2.4 **¶622412974**
SOME XII 08 08 00 06.1 43.32N 70.00E 2.9b,2.4
NNC Event type sm. Error ellipse: s-maj=18.4km s-min=1.8km az=168.0. Suspected Mining explosion.
SOME Event type kx.
(332) Northern Xinjiang
NNC XII 08 08 38 59.9–3.2 43.94N 81.88E 0 2.8b,2.7
SOME XII 08 08 38 56.8 43.92N 82.02E 20 2.8b,2.7 **¶624928036**
NNC Event type sm. Error ellipse: s-maj=32.0km s-min=9.3km az=129.0. Suspected Mining explosion.
(713) Central Kazakhstan
ISC XII 08 10 05 36.5–2.7 43.6N–.10 69.7E–.10 0 17 1-5
SOME XII 08 10 05 34.1 43.70N 69.73E **¶622412976**
NNC XII 08 10 05 34.8–1.7 43.69N 69.79E 0 3.5b,3.2
KRNET XII 08 10 05 35.7–.10 43.82N 69.56E 2.7b,3.2
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=11.9km s-min=9.0km az=51.0. Suspected Mining explosion.
(721) Finland
HEL XII 08 11 52 08.5–.10 63.13N 27.75E 0 1.7L
BER XII 08 11 52 03.9–1.0 62.64N 28.44E 0 1.7L **¶625336415**
MOS XII 08 11 52 09.0–.20 63.06N–.02 27.82E–.02 0 1.7
HEL Event type kh. Explosion.
BER Event type sh. Suspected explosion.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(721) Finland
HEL XII 08 11 52 29.0–.20 65.94N 24.36E 0 1.3L ¶635758999
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0. Suspected explosion.
(721) Finland
HEL XII 08 12 09 02.3–.10 64.55N 24.59E 0 1.2L ¶625428366
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=2.1km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 08 12 09 11.7 67.61N 33.77E 0 1.4L
HEL XII 08 12 09 12.6–.70 67.71N 33.57E 0 1.1L **¶625346507**
KOGSR Event type kh. Error ellipse: s-maj=2.2km s-min=1.1km az=150.0. Khibiny Massif.
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=12.9km az=-1.0. Suspected explosion.
(535) Southern Norway
BER XII 08 14 19 43.9–1.2 58.28N 6.40E 0 1.3L ¶635705560
BER Event type sh. Error ellipse: s-maj=11.6km s-min=12.2km az=-1.0. Suspected explosion.
(548) Poland
ISC XII 09 02 44 52.7–.83 51.55N–.03 16.18E–.03 0 40 1-5
DNK XII 09 02 44 52.0–1.7 51.36N 16.19E 15 3.1L **¶621628408**
PRU XII 09 02 44 56.5 51.42N 16.15E 0 3.1L

ISC Event type ki.
DNK Event type se. Error ellipse: s-maj=13.1km s-min=43.5km az=-1.0. Presumed earthquake.
PRU Event type ki.

(326) Southwestern Siberia

IDC	**XII**	**09 06 15 13.3–3.9**	**54.30N**	**86.27E**	**0**	**3.0,2.8L**		
ASGSR	XII	09 06 15 08.0–1.3	54.32N	86.13E	0	2.7,2.8L		¶621636558

IDC Error ellipse: s-maj=33.3km s-min=13.3km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(332) Northern Xinjiang

NNC	**XII**	**09 08 39 49.9–3.4**	**44.40N**	**82.14E**	**0**	**3.3b,3.1**		
SOME	XII	09 08 39 49.0	44.53N	82.18E	20	3.3b,3.1		¶624928081

NNC Event type sm. Error ellipse: s-maj=22.3km s-min=21.6km az=107.0. Suspected Mining explosion.

(716) Kyrgyzstan

ISC	**XII**	**09 08 55 50.6–2.7**	**40.84N–.07**	**69.3E–.20**	**25–18**		**11**	**1-3**
KRNET	XII	09 08 55 47.8–.10	40.84N	69.10E		2.6b		¶622413005

ISC Event type se.

(713) Central Kazakhstan

ISC	**XII**	**09 10 38 41.7–3.3**	**43.9N–.10**	**69.7E–.10**	**0**		**13**	**1-5**
NNC	XII	09 10 38 45.6–1.9	43.78N	69.79E	0	3.6b,2.9		¶622413006
KRNET	XII	09 10 38 47.0–.10	43.88N	69.38E		2.6b,2.9		
SOME	XII	09 10 38 46.2	43.68N	69.70E		2.6b,2.9		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=10.8km s-min=6.5km az=140.0. Suspected Mining explosion.
SOME Event type kx.

(721) Finland

ISC	**XII**	**09 12 30 42.6–.77**	**63.95N–.03**	**28.16E–.03**	**0**		**42**	**1-9**
HEL	XII	09 12 30 43.5–.10	64.00N	28.14E	0	1.7L		¶621636574
IDC	XII	09 12 30 44.9–2.4	63.92N	28.30E	0	2.7,1.6L		

ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=50.2km s-min=14.7km az=96.0.

(456) Montana

ISC	**XII**	**09 15 47 10.4–.93**	**46.00N–.05**	**106.47W–.06**	**0**		**39**	**2-8**
NEIC	XII	09 15 47 10.7–1.9	45.94N–.06	106.65W–.08	0–1	3.0L		¶621636579
IDC	XII	09 15 47 12.9–1.4	45.43N	106.01W	0	3.5,3.3L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.7km s-min=9.6km az=9.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=70.3km s-min=10.1km az=138.0.

(548) Poland

ISC	**XII**	**09 21 37 31.9–.40**	**51.52N–.02**	**16.23E–.02**	**0**	**4.2b**	**430**	**1-125**
MOS	XII	09 21 37 32.8–1.2	51.53N	16.21E	18	4.4b		¶621626199
IDC	XII	09 21 37 32.9–.54	51.49N	16.08E	0	3.9L,3.9b		
DNK	XII	09 21 37 32.5–1.8	51.54N	16.25E	0	3.4L,3.9b		
IPEC	XII	09 21 37 32.6–.20	51.49N	16.23E	1	3.7L,3.9b		
VIE	XII	09 21 37 33.6	51.45N	16.40E	0	4.0L,3.8b		
BGR	XII	09 21 37 33.6–.42	51.47N	16.27E	1	3.8L,3.8b		
MCSM	XII	09 21 37 33.0–.90	51N–4.0	16E–3.0	7–6	4.1,3.9b		
NEIC	XII	09 21 37 33.2–2.5	51.48N–.04	16.15E–.06	5–1	4.0b,4.0L		
GFZ	XII	09 21 37 34.7–.20	51N–2.0	16E–2.0	10	4.2,4.2		

ISC Event type sr.
DNK Event type sh. Suspected explosion.
IPEC Event type ki.
VIE Event type sr. 15 km ENE of Lubin . Suspected Mining induced.
BGR Event type ki.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(548) Poland

ISC	**XII**	**10 01 22 51.6–.68**	**50.26N–.03**	**18.98E–.02**	**0**		**103**	**1-20**
DNK	XII	10 01 22 50.9–1.4	50.15N	19.09E	0	2.7L		¶621628436
IPEC	XII	10 01 22 52.6–.16	50.23N	18.98E	1	2.5L		
VIE	XII	10 01 22 52.4–.23	50.25N	18.96E	0	2.5b,2.4L		
BRA	XII	10 01 22 53.1–.56	50.26N	19.00E	9–3	2.2L,2.4L		
PRU	XII	10 01 22 53.0	50.23N	18.92E	0	2.2L,2.4L		
IDC	XII	10 01 22 55.2–1.9	50.59N	18.37E	0	3.3,3.0L		

ISC Event type kr.
DNK Event type sh. Error ellipse: s-maj=16.8km s-min=52.4km az=-1.0. Suspected explosion.
IPEC Event type ki. Error ellipse: s-maj=1.5km s-min=0.7km az=8.0.
VIE Event type sr. Error ellipse: s-maj=3.9km s-min=1.6km az=162.0. Suspected Mining induced.
BRA Event type kr. Error ellipse: s-maj=4.4km s-min=1.9km az=0.0. Mining induced.
PRU Event type ki.
IDC Error ellipse: s-maj=39.2km s-min=10.8km az=129.0.

(326) Southwestern Siberia

ISC	**XII**	**10 06 11 38.0–.81**	**54.84N–.03**	**90.83E–.02**	**0**		**79**	**2-10**
ASGSR	XII	10 06 11 35.5–.21	55N–1.0	90.8E–.90	2–1	4.3		¶624928117
NNC	XII	10 06 11 39.3–2.5	54.71N	90.88E	0	4.0b,3.7		

ISC Event type sm.
ASGSR Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=23.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type sm. Error ellipse: s-maj=20.2km s-min=18.6km az=86.0. Suspected Mining explosion.

(329) Eastern Kazakhstan

ISC	**XII**	**10 07 30 14.6–1.0**	**50.05N–.04**	**78.41E–.09**	**0**		**28**	**1-6**
NNC	XII	10 07 30 15.0–.53	50.00N	78.66E	2–12	3.0b,2.4		¶621644109
IDC	XII	10 07 30 15.6–1.4	50.02N	78.84E	0	2.5,2.0L		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=10.7km s-min=5.7km az=91.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.8km s-min=10.5km az=60.0.

(721) Finland

ISC	**XII**	**10 07 50 03.7–.77**	**62.72N–.02**	**21.87E–.03**	**0**		**49**	**0-7**
IDC	XII	10 07 50 04.8–1.5	62.71N	21.96E	0	2.9,1.8L		¶621644110
HEL	XII	10 07 50 04.4–.10	62.73N	21.87E	0	1.4L,1.8L		

ISC Event type kh.
IDC Error ellipse: s-maj=19.8km s-min=12.7km az=9.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.3km az=-1.0. Explosion.

(326) Southwestern Siberia

IDC	**XII**	**10 09 22 43.8–4.4**	**54.34N**	**86.56E**	**0**	**2.9,2.6L**		
ASGSR	XII	10 09 23 14.0–.50	54.18N	87.13E	0	2.1,2.6L		¶621644116

IDC Error ellipse: s-maj=37.7km s-min=16.5km az=62.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**XII**	**10 09 45 12.4–3.8**	**54.25N**	**86.02E**	**0**	**2.8,2.6L**		
ASGSR	XII	10 09 45 07.0–.80	54.30N	86.12E	0	1.9,2.6L		¶621644117

IDC Error ellipse: s-maj=32.2km s-min=12.3km az=63.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**XII**	**10 09 52 60.0–4.3**	**54.41N**	**86.10E**	**0**	**2.7,2.4L**		
ASGSR	XII	10 09 52 57.0–.90	54.44N	86.13E	0	2.2,2.4L		¶621644118

IDC Error ellipse: s-maj=35.9km s-min=13.8km az=55.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

IDC	**XII**	**10 10 30 44.1–1.1**	**51.61N**	**75.76E**	**0**	**2.7,2.1L**		
								¶621644119

IDC Error ellipse: s-maj=20.7km s-min=8.6km az=30.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XII**	**10 11 09 55.8–.92**	**64.75N–.02**	**30.90E–.04**	**0**		**66**	**1-10**
IDC	XII	10 11 09 53.7–2.5	64.70N	31.24E	0	2.9,2.2L		¶621644121
UPP	XII	10 11 09 56.8–3.2	64.57N	30.62E	0	2.1L,2.2L		
KOGSR	XII	10 11 09 57.8	64.83N	30.72E	0	2.3L,2.2L		
HEL	XII	10 11 09 58.7–.20	64.65N	30.53E	0	2.1L,2.2L		

ISC Event type kh.
IDC Error ellipse: s-maj=29.3km s-min=11.0km az=101.0.
UPP Event type se. Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0. Presumed earthquake.
KOGSR Event type kh. Error ellipse: s-maj=12.2km s-min=9.5km az=150.0. Kostomuksha, Karelia.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=4.0km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XII**	**10 12 05 05.4**	**67.64N**	**33.83E**	**0**	**1.3L**		
HEL	XII	10 12 05 04.4–.60	67.61N	34.08E	0	1.3L		¶625336475
BER	XII	10 12 05 06.3–.42	67.52N	33.89E	0	1.3L		

KOGSR Event type kh. Error ellipse: s-maj=1.6km s-min=1.1km az=150.0. Khibiny, mines Rasvumchorr, Central.
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=10.1km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=4.9km s-min=16.2km az=-1.0. Suspected explosion.

(721) Finland

HEL	**XII**	**10 12 06 40.4–.10**	**63.63N**	**26.08E**	**0**	**1.5L**		
								¶635759065

HEL Event type kh. Error ellipse: s-maj=0.4km s-min=1.3km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XII**	**10 20 44 42.2**	**67.67N**	**33.75E**	**0**	**1.1L**		
HEL	XII	10 20 44 40.1–1.0	67.66N	34.21E	0	1.0L		¶625346542

KOGSR Khibiny, mines Kirovsk, Yukspor.
HEL Event type kh. Error ellipse: s-maj=3.5km s-min=17.9km az=-1.0. Explosion.

(536) Sweden

HEL	**XII**	**10 20 45 11.9–.30**	**67.18N**	**20.71E**	**0**	**1.3L**		
								¶635759073

HEL Event type sh. Error ellipse: s-maj=1.1km s-min=4.9km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XII**	**10 23 42 39.0–.90**	**67.57N–.03**	**33.86E–.04**	**0**		**61**	**0-12**
HEL	XII	10 23 42 38.9–.60	67.72N	33.96E	0	1.9L		¶621627323
KOGSR	XII	10 23 42 40.6	67.65N	33.77E	0	2.0L		
BER	XII	10 23 42 40.3–.43	67.49N	33.93E	0	1.9L		
IDC	XII	10 23 42 41.8–2.6	67.60N	33.47E	0	3.3,2.3L		

ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.2km s-min=9.9km az=-1.0. Explosion.
KOGSR Error ellipse: s-maj=2.9km s-min=2.6km az=110.0. Khibiny, mines Kirovsk, Yukspor.
BER Event type sh. Error ellipse: s-maj=4.6km s-min=11.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=29.0km s-min=12.5km az=89.0.

(716) Kyrgyzstan

ISC	**XII**	**11 07 04 35.9–.96**	**42.56N–.05**	**72.95E–.03**	**0**		**18**	**0-3**
SOME	XII	11 07 04 36.6	42.48N	72.93E	10			¶624928137
KRNET	XII	11 07 04 37.3–.10	42.54N	72.92E		2.0b		
NNC	XII	11 07 04 37.8–.51	42.50N	73.00E	0	3.0b,2.7		

ISC Event type kh.
KRNET Event type kh.
NNC Event type se. Error ellipse: s-maj=5.2km s-min=1.9km az=161.0.

(329) Eastern Kazakhstan

ISC	**XII**	**11 07 05 57.0–3.2**	**48.65N–.09**	**77.7E–.20**	**0**		**10**	**2-7**
IDC	XII	11 07 05 56.4–3.8	48.66N	77.71E	0	2.9,2.5L		¶621644172
NNC	XII	11 07 05 59.8–2.9	48.67N	78.16E	0	3.3b,2.9		

ISC Event type sm.
IDC Error ellipse: s-maj=43.4km s-min=14.6km az=78.0.
NNC Event type sm. Error ellipse: s-maj=40.2km s-min=9.8km az=71.0. Suspected Mining explosion.

(548) Poland

ISC	**XII**	**11 07 15 14.2–.85**	**50.18N–.04**	**18.75E–.02**	**0**		**57**	**1-4**
VIE	XII	11 07 15 13.8–.20	50.22N	18.77E	0	2.6b,2.5L		¶621628474
PRU	XII	11 07 15 14.7	50.23N	18.69E	0	2.6b,2.5L		
IPEC	XII	11 07 15 14.0–.15	50.21N	18.76E	1	2.4L,2.5L		
BRA	XII	11 07 15 14.8–.62	50.27N	18.77E	7–4	1.9L,2.5L		

ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=2.4km s-min=1.3km az=168.0. Suspected Mining induced.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.8km az=176.0.
BRA Event type kr. Error ellipse: s-maj=4.8km s-min=2.2km az=0.0. Mining induced.

(329) Eastern Kazakhstan

IDC	**XII**	**11 07 22 12.2–1.6**	**49.70N**	**81.55E**	**0**	**2.1,1.5L**		
								¶621644174

IDC Error ellipse: s-maj=21.6km s-min=13.4km az=64.0.

(536) Sweden

ISC	**XII**	**11 23 00 31.9–.72**	**67.18N–.02**	**20.66E–.02**	**0**		**58**	**0-11**
HEL	XII	11 23 00 31.6–.30	67.16N	20.50E	0	1.5L		¶621644230
UPP	XII	11 23 00 31.9–.00	67.18N	20.65E	0	2.0L		
IDC	XII	11 23 00 33.2–1.4	67.25N	20.97E	0	3.3,2.0L		

ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=5.5km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=22.5km s-min=11.0km az=95.0.

(329) Eastern Kazakhstan

ISC	**XII**	**12 07 43 11.1–.88**	**49.99N–.04**	**78.78E–.07**	**0**		**30**	**1-6**
IDC	XII	12 07 43 10.2–1.1	50.02N	78.77E	0	2.8,2.3L		¶621650485
NNC	XII	12 07 43 11.1–.42	50.02N	78.78E	0	2.8b,2.6		

ISC Event type sm.
IDC Error ellipse: s-maj=12.0km s-min=8.6km az=45.0.
NNC Event type sm. Error ellipse: s-maj=5.7km s-min=2.2km az=82.0. Suspected Mining explosion.

(536) Sweden

ISC	**XII**	**12 11 52 06.6–1.1**	**67.83N–.03**	**19.86E–.06**	**0**		**36**	**1-8**
IDC	XII	12 11 52 07.9–2.0	67.85N	19.68E	0	2.7,1.6L		¶621650502
HEL	XII	12 11 52 09.8–.30	67.83N	20.19E	0	1.3L,1.6L		

ISC Event type sh.
IDC Error ellipse: s-maj=26.9km s-min=14.7km az=107.0.
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=6.6km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XII**	**12 16 22 16.3–1.5**	**67.59N–.04**	**34.18E–.08**	**0**		**49**	**0-12**
IDC	XII	12 16 22 17.4–2.7	67.54N	34.15E	0	3.4,1.9L		¶621650520
HEL	XII	12 16 22 17.1–.50	67.65N	34.06E	0	1.8L,1.9L		
KOGSR	XII	12 16 22 18.3	67.64N	33.98E	0	1.9L,1.9L		

ISC Event type kh.
IDC Error ellipse: s-maj=28.4km s-min=12.8km az=88.0.
HEL Event type sh. Error ellipse: s-maj=2.5km s-min=9.2km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=2.8km s-min=1.8km az=60.0. Khibiny, mines Koashva, Nyurkpakh.

(536) Sweden

HEL	**XII**	**12 23 00 41.5–.30**	**67.18N**	**20.51E**	**0**	**1.2L**		
								¶636235739

HEL Event type kh. Error ellipse: s-maj=1.1km s-min=5.1km az=-1.0. Explosion.

(536) Sweden

UPP	**XII**	**12 23 01 16.7–.10**	**67.17N**	**20.63E**	**0**	**2.0L**		
								¶621743639

UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(329) Eastern Kazakhstan

ISC	**XII**	**13 07 27 22.2–.95**	**49.81N–.03**	**78.41E–.06**	**0**		**30**	**1-6**
NNC	XII	13 07 27 25.3–.34	50.00N	78.82E	0	3.0b,2.5		¶621650562
IDC	XII	13 07 27 26.2–3.4	49.98N	78.51E	0	2.5,1.9L		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.7km s-min=1.8km az=71.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=58.0km s-min=10.7km az=73.0.

(326) Southwestern Siberia

IDC	**XII**	**13 08 25 16.8–3.6**	**53.76N**	**87.27E**	**0**	**2.9,2.6L**		
ASGSR	XII	13 08 25 19.0–.90	53.70N	87.01E	0	2.8,2.6L		¶621650566

IDC Error ellipse: s-maj=35.6km s-min=20.1km az=76.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(723) Finland-Karelia border region

ISC	**XII**	**13 10 16 16.9–.81**	**64.63N–.02**	**30.24E–.04**	**0**		**62**	**0-9**
KOGSR	XII	13 10 16 13.0	64.46N	30.24E	0	2.3L		¶621627988
IDC	XII	13 10 16 14.3–3.0	64.63N	30.96E	0	2.9,2.0L		
HEL	XII	13 10 16 21.2–.20	64.67N	30.42E	0	2.0L,2.0L		

ISC Event type kh.
KOGSR Event type kh. Error ellipse: s-maj=14.6km s-min=9.7km az=10.0. Karelia,Finland, Oulu area.
IDC Error ellipse: s-maj=40.7km s-min=11.9km az=98.0.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=6.4km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XII**	**13 10 58 04.8–.64**	**59.84N–.02**	**24.10E–.02**	**0**		**114**	**0-10**
DNK	XII	13 10 58 03.5–1.8	59.89N	24.46E	0	3.2L		¶621627989

UPP XII 13 10 58 05.3–2.5 60.01N 24.25E 0 3.0L
IDC XII 13 10 58 06.8–1.6 59.91N 24.18E 0 3.4,3.1L
BER XII 13 10 58 06.0–1.3 59.51N 24.05E 0 2.3L,3.1L
HEL XII 13 10 58 06.2–.00 59.84N 24.11E 0 2.3L,3.1L
EST XII 13 10 58 06.2 59.84N 24.11E 0 2.3L,3.1L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=8.1km s-min=16.6km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.8km s-min=13.6km az=171.0.
BER Event type sh. Error ellipse: s-maj=10.7km s-min=24.4km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
EST Event type kh. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC XII 13 12 53 20.7–.63 59.83N–.02 24.09E–.02 0 92 0-10
DNK XII 13 12 53 20.8–1.5 59.89N 24.35E 0 **¶621650571**
BER XII 13 12 53 22.1–1.3 59.52N 24.35E 0 2.2L
HEL XII 13 12 53 22.5–.00 59.84N 24.12E 0 2.3L
EST XII 13 12 53 22.5 59.84N 24.12E 0 2.3L
IDC XII 13 12 53 23.6–1.6 59.82N 24.11E 0 3.4,3.2L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=10.8km s-min=20.8km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=6.8km s-min=17.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
EST Event type kh. Explosion.
IDC Error ellipse: s-maj=16.4km s-min=12.8km az=152.0.

(646) Northern Norway

BER XII 13 13 26 15.7–2.7 69.24N 18.12E 0 1.4L
¶625346579
BER Event type sh. Error ellipse: s-maj=8.4km s-min=17.8km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR XII 14 04 05 48.8 67.70N 33.69E 0 1.3L
¶625336666
KOGSR Event type kh. Error ellipse: s-maj=1.7km s-min=1.1km az=140.0. Khibiny Mines.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR XII 14 04 06 37.4 67.66N 33.78E 0 1.4L
¶636235717
KOGSR Event type kh. Error ellipse: s-maj=1.3km s-min=0.9km az=140.0. Khibiny, mines Kirovsk, Yukspor.

(536) Sweden

ISC XII 14 04 16 49.3–.90 67.83N–.03 20.23E–.03 0 21 0-3
UPP XII 14 04 16 49.2–.10 67.87N 20.20E 0 2.6L **¶621743664**
HEL XII 14 04 16 49.8–.20 67.82N 20.22E 0 1.4L
ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=5.0km az=-1.0. Suspected explosion.

(716) Kyrgyzstan

KRNET XII 14 07 15 29.8–.10 40.37N 70.59E 4 2.4b
¶622413131

(326) Southwestern Siberia

IDC XII 14 07 21 25.5–4.0 53.77N 90.75E 0 3.1,2.6L
ASGSR XII 14 07 21 19.0–1.8 53.76N 91.08E 0 3.2,2.6L **¶621652895**
IDC Error ellipse: s-maj=34.4km s-min=26.6km az=65.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

ISC XII 14 07 32 49.2–1.3 51.8N–.10 75.43E–.09 0 8 2-7
IDC XII 14 07 32 48.4–1.5 51.88N 75.39E 0 2.7,2.2L **¶621652896**
NNC XII 14 07 32 52.6–4.1 51.98N 75.60E 0 2.9b,2.4
ISC Event type sm.
IDC Error ellipse: s-maj=25.0km s-min=10.6km az=30.0.
NNC Event type sm. Error ellipse: s-maj=38.1km s-min=28.2km az=33.0. Suspected Mining explosion.

(713) Central Kazakhstan

ISC XII 14 07 48 21.0–1.0 50.31N–.05 73.11E–.07 0 9 2-8
NNC XII 14 07 48 19.9–1.5 50.40N 73.63E 0 2.8b,2.5 **¶621652898**
IDC XII 14 07 48 21.5–2.9 50.36N 73.45E 0 3.5,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=16.7km s-min=10.9km az=131.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=33.8km s-min=11.4km az=35.0.

(721) Finland

HEL XII 14 10 00 11.3–.10 61.61N 23.53E 0 1.3L
¶635759150
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR XII 14 10 00 22.5 64.58N 30.68E 0 2.2L
BER XII 14 10 00 22.6–.80 64.50N 31.05E 0 1.8L **¶625336668**
HEL XII 14 10 00 23.2–.10 64.68N 30.73E 0 1.8L
KOGSR Event type kh. Error ellipse: s-maj=16.2km s-min=11.7km az=10.0. Karelia.
BER Event type sh. Error ellipse: s-maj=6.8km s-min=42.2km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.5km s-min=2.3km az=-1.0. Suspected explosion.

(721) Finland

HEL XII 14 10 58 10.7–.10 63.89N 24.83E 0 1.2L
¶625428593
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=2.5km az=-1.0. Explosion.

(536) Sweden

ISC XII 14 18 02 32.7–.77 67.07N–.02 20.97E–.02 0 71 0-7
UPP XII 14 18 02 32.6–.10 67.06N 20.95E 0 2.2L **¶621629982**
HEL XII 14 18 02 33.5–.20 67.08N 20.97E 0 2.1L
IDC XII 14 18 02 37.4–1.5 67.03N 22.27E 0 2.8,1.8L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=3.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=25.6km s-min=12.2km az=95.0.

(548) Poland

ISC XII 14 18 23 25.6–.76 50.29N–.03 18.95E–.02 0 55 1-7
VIE XII 14 18 23 25.5–.39 50.33N 18.94E 0 2.7b,2.5L **¶621631311**
IPEC XII 14 18 23 26.5–.15 50.20N 18.99E 1 2.4L,2.5L
BRA XII 14 18 23 26.4–.94 50.28N 18.89E 0 2.1L,2.5L
PRU XII 14 18 23 27.0 50.22N 18.92E 0 2.1L,2.5L
DNK XII 14 18 23 28.0–1.3 50.23N 18.34E 0 3.2L,2.5L
ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=6.0km s-min=1.6km az=176.0. 9 km NNW of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.8km az=1.0.
BRA Event type kr. Error ellipse: s-maj=4.1km s-min=3.4km az=0.0. Mining induced.
PRU Event type ki.
DNK Event type sh. Error ellipse: s-maj=17.7km s-min=73.1km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR XII 14 20 05 11.6 67.64N 33.71E 0 1.1L
HEL XII 14 20 05 10.6–.40 67.61N 34.08E 0 1.2L **¶625346587**
KOGSR Event type kh. Error ellipse: s-maj=2.0km s-min=1.7km az=140.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=8.7km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR XII 14 20 09 36.4 67.66N 33.73E 0 1.4L
¶625336624
KOGSR Event type kh. Error ellipse: s-maj=1.9km s-min=1.4km az=140.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR XII 14 20 10 10.2 67.63N 33.74E 0 1.1L
¶636235726
KOGSR Event type kh. Error ellipse: s-maj=1.5km s-min=1.1km az=150.0. Khibiny, mines Kirovsk, Yukspor.

(536) Sweden

ISC XII 15 00 18 17.6–.81 67.79N–.02 20.25E–.02 0 37 0-3
UPP XII 15 00 18 18.0–.00 67.82N 20.20E 0 2.5L **¶621743678**
HEL XII 15 00 18 18.1–.40 67.77N 20.25E 0 1.0L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=7.7km az=-1.0. Suspected explosion.

(536) Sweden

HEL XII 15 00 22 55.3–.20 67.84N 20.21E 0 1.4L
¶635939258
HEL Event type sh. Error ellipse: s-maj=0.6km s-min=3.0km az=-1.0. Suspected explosion.

(536) Sweden

ISC XII 15 00 23 47.9–.00 67.85N–.05 20.21E–.03 0 14 0-2
UPP XII 15 00 23 48.1–.10 67.86N 20.18E 0 2.2L **¶621743682**
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(548) Poland

PRU XII 15 00 46 49.5 51.63N 16.14E 0
¶625477495
PRU Event type ki.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR XII 15 02 29 04.4 67.63N 33.80E 0 1.2L
HEL XII 15 02 29 03.4–.80 67.67N 33.79E 0 1.2L **¶621630888**
KOGSR Error ellipse: s-maj=2.3km s-min=2.2km az=100.0. Khibiny, mines Rasvumchorr, Central.
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=14.2km az=-1.0. Suspected explosion.

(548) Poland

PRU XII 15 03 44 50.7 50.37N 18.77E 0
BRA XII 15 03 44 51.0–.77 50.31N 18.80E 0 **¶625477498**
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=5.2km s-min=2.4km az=0.0. Mining induced.

(326) Southwestern Siberia

ASGSR XII 15 04 00 13.0–2.1 55.66N 86.25E 0 2.6
IDC XII 15 04 00 18.0–4.9 55.42N 86.13E 0 2.5,2.2L **¶621654076**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=39.6km s-min=25.9km az=32.0.

(326) Southwestern Siberia

IDC XII 15 06 49 45.5–4.2 54.50N 86.89E 0 2.5,2.1L
ASGSR XII 15 06 49 45.0–1.3 54.34N 86.86E 0 2.3,2.1L **¶621654081**
IDC Error ellipse: s-maj=37.5km s-min=20.6km az=60.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR XII 15 07 00 25.0 55.72N 86.05E 0 2.6
IDC XII 15 07 00 31.6–4.2 55.42N 85.94E 0 2.5,2.3L **¶621654083**
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=29.3km s-min=21.1km az=19.0.

(536) Sweden

ISC XII 15 07 24 44.1–.85 67.81N–.02 20.23E–.03 0 37 0-4
UPP XII 15 07 24 44.4–.10 67.87N 20.18E 0 2.5L **¶621743689**
HEL XII 15 07 24 46.1–.30 67.87N 20.36E 0 1.3L
ISC Event type sh.
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=6.5km az=-1.0. Suspected explosion.

(329) Eastern Kazakhstan

ISC XII 15 07 35 47.2–.86 49.90N–.03 78.64E–.04 0 39 1-7
NNC XII 15 07 35 47.9–.25 50.02N 78.77E 0 3.6b,3.2 **¶621654087**
IDC XII 15 07 35 48.2–1.4 50.00N 78.80E 0 2.5,1.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=3.3km s-min=1.3km az=78.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.9km s-min=10.0km az=68.0.

(545) Northern Italy

STR XII 15 08 27 48.2–.86 44N–4.0 7E–4.0 0 1.4
¶626069989
STR Event type sm. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.

(724) Baltic States-Belarus-Northwestern Russia

ISC XII 15 09 33 25.0–.71 59.57N–.02 24.62E–.02 0 51 0-10
HEL XII 15 09 33 27.2–.00 59.53N 24.60E 0 1.9L **¶621630237**
EST XII 15 09 33 27.1–.00 59.52N 24.60E 0 1.9L
IDC XII 15 09 33 27.4–3.4 59.47N 24.76E 0 3.3,2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0. Explosion.
EST Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=31.8km s-min=14.7km az=157.0.

(646) Northern Norway

BER XII 15 10 58 27.7–1.1 70.47N 28.54E 0 1.2L
HEL XII 15 10 58 27.7–.20 70.42N 28.51E 0 1.2L **¶635705612**
BER Event type sh. Error ellipse: s-maj=8.6km s-min=10.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0. Suspected explosion.

(721) Finland

ISC XII 15 11 58 11.8–.75 64.09N–.02 28.17E–.03 0 52 1-8
IDC XII 15 11 58 13.3–2.3 64.07N 28.55E 0 2.7,1.7L **¶621654106**
HEL XII 15 11 58 13.2–.10 64.12N 28.09E 0 1.3L,1.7L
ISC Event type sh.
IDC Error ellipse: s-maj=40.7km s-min=14.2km az=98.0.
HEL Event type sh. Error ellipse: s-maj=0.5km s-min=1.6km az=-1.0. Suspected explosion.

(716) Kyrgyzstan

ISC XII 15 12 32 25.6–.78 42.90N–.04 71.58E–.02 0 33 0-3
SOME XII 15 12 32 24.5 43.00N 71.50E 5 **¶622413160**
NNC XII 15 12 32 25.8–.37 43.04N 71.49E 0 2.9b,2.8
KRNET XII 15 12 32 25.0–.10 42.89N 71.62E 9 2.7b,2.8
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=2.8km s-min=2.2km az=163.0. Suspected Mining explosion.

(536) Sweden

ISC XII 15 12 55 42.7–.65 67.18N–.02 20.69E–.01 0 208 0-17
UPP XII 15 12 55 43.3–.00 67.19N 20.64E 0 3.1L **¶635705613**
HEL XII 15 12 55 43.5 67.18N 20.59E 0 2.7L
DNK XII 15 12 55 43.7–.43 67.18N 20.66E 0 3.1L
IDC XII 15 12 55 44.0–1.2 67.16N 20.66E 0 3.6,3.2L
NAO XII 15 12 55 44.8–.40 67.19N 20.76E 3.4L,3.2L
BER XII 15 12 55 46.0–2.2 67.21N 20.55E 0 3.4L,2.7L
ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Confirmed Induced event.
DNK Event type sh. Suspected explosion.
IDC Error ellipse: s-maj=19.1km s-min=10.6km az=96.0.
NAO Event type se. Presumed earthquake.
BER Event type ki. Error ellipse: s-maj=2.9km s-min=6.3km az=-1.0. Confirmed Induced event.

(373) Dead Sea region

GII XII 15 13 16 58.4–.00 30.927N–.00 35.032E–.00 0
¶635753417
GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

(724) Baltic States-Belarus-Northwestern Russia

ISC XII 16 06 05 02.0–.69 59.82N–.03 22.20E–.02 0 77 1-10
BER XII 16 06 04 59.8–.28 59.25N 22.33E 0 2.1L **¶621630963**
EST XII 16 06 05 04.4 59.80N 22.26E 0 2.1L
UPP XII 16 06 05 04.6–1.4 59.84N 22.19E 0 2.5L
HEL XII 16 06 05 04.4–.00 59.80N 22.26E 0 2.1L
IDC XII 16 06 05 05.2–2.7 59.92N 22.02E 0 3.1,2.5L
DNK XII 16 06 05 05.3–1.6 59.85N 22.28E 15 2.8L,2.5L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=107.7km s-min=23.6km az=-1.0. Suspected explosion.
EST Event type kh. Explosion.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=32.6km s-min=12.0km az=167.0.
DNK Event type se. Error ellipse: s-maj=5.8km s-min=17.9km az=-1.0. Presumed earthquake.

(326) Southwestern Siberia

IDC XII 16 07 14 30.4–2.2 54.68N 83.76E 0 3.1,2.6L
ASGSR XII 16 07 14 27.0–1.3 54.75N 83.82E 0 2.3,2.6L **¶621655768**
IDC Error ellipse: s-maj=18.2km s-min=13.9km az=165.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ISC XII 16 07 25 30.4–4.2 53.5N–.10 90.7E–.20 0 13 4-11
ASGSR XII 16 07 25 22.0 53.77N 91.03E 0 3.2 **¶621655769**
NNC XII 16 07 25 28.1–3.0 53.52N 90.81E 0 3.7b,3.4
IDC XII 16 07 25 29.8–3.4 53.44N 90.70E 0 3.4,3.0L
ISC Event type km.

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
NNC Event type sm. Error ellipse: s-maj=23.4km s-min=21.7km az=166.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.9km s-min=22.4km az=68.0.

(536) Sweden

ISC	**XII**	**16 10 47 19.4–.77**	**67.64N–.02**	**21.02E–.02**	**0**		**61**	**0-5**
HEL	XII	16 10 47 18.4–.40	67.67N	21.03E	0	1.7L		¶621743708
UPP	XII	16 10 47 19.1–.00	67.64N	21.02E	0	2.5L		

ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=10.3km az=-1.0. Suspected explosion.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(715) Tajikistan

ISC	**XII**	**16 11 26 39.5–1.5**	**41.02N–.05**	**69.92E–.08**	**0**		**21**	**1-3**
NNC	XII	16 11 26 37.2–4.8	40.80N	69.79E	0	3.3b,3.1		¶622413178
SOME	XII	16 11 26 37.5	40.90N	69.67E	15	3.3b,3.1		
KRNET	XII	16 11 26 39.9–.10	41.09N	69.77E		2.6b,3.1		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=38.8km s-min=27.9km az=69.0. Suspected Mining explosion.

(715) Tajikistan

ISC	**XII**	**16 11 50 12.6–2.6**	**40.48N–.08**	**69.5E–.10**	**59–42**		**17**	**1-3**
SOME	XII	16 11 50 06.5	40.38N	69.75E	20			¶622413179
KRNET	XII	16 11 50 07.5–.10	40.48N	69.16E		2.6b		

ISC Event type se.

(721) Finland

ISC	**XII**	**16 12 31 03.2–.74**	**63.89N–.02**	**28.21E–.03**	**0**		**52**	**1-8**
HEL	XII	16 12 31 03.5–.10	63.98N	28.15E	0	1.7L		¶621655779
IDC	XII	16 12 31 31.3–2.2	63.95N	27.85E	0	2.9,2.0L		

ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=2.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=42.1km s-min=12.7km az=98.0.

(548) Poland

BRA	**XII**	**16 21 29 40.0–.57**	**50.18N**	**19.09E**	**3–5**	**1.3L**		
PRU	XII	16 21 29 39.5	50.26N	19.05E	0	1.3L		¶621634304

BRA Event type kr. Error ellipse: s-maj=4.4km s-min=2.4km az=0.0. Mining induced.
PRU Event type ki.

(536) Sweden

ISC	**XII**	**17 00 17 43.2–1.1**	**67.78N–.05**	**20.24E–.04**	**0**		**13**	**0-1**
UPP	XII	17 00 17 43.9–.00	67.82N	20.20E	0	2.5L		¶621743731

ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(358) Romania

KRSZO	**XII**	**17 08 49 29.8–4.5**	**46.82N**	**22.83E**	**0**			
								¶625428707

KRSZO Event type sx. Error ellipse: s-maj=36.4km s-min=10.6km az=22.0. Suspected Explosion.

(724) Baltic States-Belarus-Northwestern Russia

HEL	**XII**	**17 10 00 09.4–.20**	**67.43N**	**23.47E**	**0**	**1.8L**		
BER	XII	17 09 59 53.2–.87	64.06N	32.23E	0	2.2L		¶635942452

HEL Event type sh. Error ellipse: s-maj=1.1km s-min=4.6km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=29.5km s-min=69.5km az=-1.0. Suspected explosion.

(723) Finland-Karelia border region

ISC	**XII**	**17 10 00 06.5–.84**	**64.74N–.03**	**30.68E–.04**	**0**		**57**	**1-14**
KOGSR	XII	17 10 00 06.8	64.64N	30.63E	0	2.2L		¶635705621
MOS	XII	17 10 00 07.0–1.2	64.80N–.09	31.12E–.05	0	2.2		
HEL	XII	17 10 00 07.1–.30	64.79N	30.84E	0	2.2L		
IDC	XII	17 10 00 08.8–2.7	64.73N	31.10E	0	3.3,2.1L		
BER	XII	17 10 00 13.1–1.1	67.56N	23.18E	0	1.7L,2.1L		

ISC Event type km.
KOGSR Event type kh. Error ellipse: s-maj=12.5km s-min=9.5km az=150.0. Kostomuksha, Karelia.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=5.7km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=37.8km s-min=10.9km az=99.0.
BER Event type sh. Error ellipse: s-maj=13.3km s-min=32.2km az=-1.0. Suspected explosion.

(548) Poland

ISC	**XII**	**17 13 00 50.5–.68**	**51.55N–.02**	**16.12E–.02**	**0**		**139**	**1-19**
IPEC	XII	17 13 00 51.9–.18	51.48N	16.18E	1	2.9L		¶625477522
VIE	XII	17 13 00 52.9–1.6	51.38N	15.95E	0	3.2L,2.5b		
IDC	XII	17 13 00 52.4–1.4	51.50N	16.04E	0	3.3,3.2L		
DNK	XII	17 13 00 52.3–1.0	51.63N	15.90E	0	2.3L,3.2L		
BGR	XII	17 13 00 53.2–.42	51.43N	16.09E	1	3.0L,3.2L		
PRU	XII	17 13 00 53.1	51.43N	16.07E	0	3.0L,3.2L		

ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=62.0.
VIE Event type sr. Error ellipse: s-maj=11.3km s-min=9.3km az=12.0. 17 km W of Lubin . Suspected Mining induced.
IDC Error ellipse: s-maj=18.2km s-min=11.5km az=105.0.
DNK Event type sh. Error ellipse: s-maj=7.3km s-min=25.2km az=-1.0. Suspected explosion.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=15.0.
PRU Event type ki.

(456) Montana

ISC	**XII**	**17 21 24 21.3–1.0**	**45.74N–.05**	**106.78W–.06**	**0**		**34**	**1-17**
NEIC	XII	17 21 24 18.7–2.7	45.80N–.03	106.65W–.08	0–1	3.2L		¶621656953
IDC	XII	17 21 24 24.8–1.4	45.72N	106.52W	0	3.3,3.2L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.6km s-min=5.1km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.2km s-min=11.2km az=134.0.

(536) Sweden

ISC	**XII**	**18 00 20 14.9–.91**	**67.85N–.02**	**20.22E–.02**	**0**		**51**	**0-2**
UPP	XII	18 00 20 14.9–.00	67.86N	20.19E	0	2.4L		¶635940006
HEL	XII	18 00 20 15.7–.00	67.86N	20.17E	1	2.4L,1.3L		

ISC Event type ki.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type ki. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Confirmed Induced event.

(536) Sweden

ISC	**XII**	**18 00 20 44.4–.86**	**67.79N–.03**	**20.19E–.03**	**0**		**22**	**0-8**
BER	XII	18 00 20 45.3–.97	67.83N	20.25E	1	1.7L		¶621656960
IDC	XII	18 00 20 46.9–1.8	67.87N	20.46E	0	2.9,2.0L		

ISC Event type sh.
BER Event type ki. Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=22.6km s-min=11.8km az=114.0.

(713) Central Kazakhstan

ISC	**XII**	**18 03 51 17.7–.88**	**43.29N–.04**	**74.99E–.03**	**0**		**38**	**0-2**
NNC	XII	18 03 51 18.5–.36	43.29N	75.07E	0	2.6b,2.1		¶622413225
KRNET	XII	18 03 51 18.5–.10	43.33N	75.09E	18	1.8b,2.1		
KNET	XII	18 03 51 18.8–.63	43.28N	75.07E	17–3	1.4L,2.1		
SOME	XII	18 03 51 19.3	43.27N	75.05E		1.4L,2.1		

ISC Event type kx.
NNC Event type se. Error ellipse: s-maj=3.9km s-min=1.3km az=146.0.
KNET Error ellipse: s-maj=4.7km s-min=2.4km az=13.0.
SOME Event type kx.

(329) Eastern Kazakhstan

ISC	**XII**	**18 07 16 55.2–1.0**	**50.01N–.06**	**78.72E–.09**	**0**		**27**	**1-5**
NNC	XII	18 07 16 53.2–.53	49.98N	78.85E	0–11	3.2b,2.7		¶621656980
IDC	XII	18 07 16 54.5–1.4	50.00N	78.73E	0	2.5,1.9L		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=10.8km s-min=5.1km az=65.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.0km s-min=9.9km az=35.0.

(536) Sweden

ISC	**XII**	**18 17 31 19.8–.85**	**67.19N–.02**	**20.72E–.02**	**0**		**46**	**0-4**
UPP	XII	18 17 31 19.8–.10	67.19N	20.69E	0	2.8L		¶621743755
HEL	XII	18 17 31 20.3–.30	67.18N	20.65E	0	1.0L		
DNK	XII	18 17 31 20.2–.43	67.19N	20.70E	0	2.8L		

ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=5.8km az=-1.0. Suspected explosion.
DNK Event type sh. Suspected explosion.

(548) Poland

ISC	**XII**	**18 18 14 39.3–.83**	**50.17N–.04**	**18.71E–.02**	**0**		**58**	**0-4**
VIE	XII	18 18 14 38.8–.27	50.30N	18.68E	0	2.6L,2.3b		¶621634347
IPEC	XII	18 18 14 39.9–.15	50.18N	18.75E	1	2.4L,2.3b		
PRU	XII	18 18 14 40.6	50.15N	18.67E	0	2.4L,2.3b		
BRA	XII	18 18 14 40.0–.63	50.23N	18.72E	10–3	2.2L,2.3b		

ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=3.1km s-min=1.3km az=171.0. 22 km WNW of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.8km az=177.0.
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=4.6km s-min=2.3km az=0.0. Mining induced.

(329) Eastern Kazakhstan

ISC	**XII**	**19 07 23 49.5–1.3**	**48.70N–.05**	**77.65E–.07**	**0**		**14**	**2-7**
IDC	XII	19 07 23 45.9–3.1	48.64N	77.48E	0	2.6,2.0L		¶621657064
NNC	XII	19 07 23 48.7–2.4	48.69N	77.60E	0	3.3b,2.9		

ISC Event type sm.
IDC Error ellipse: s-maj=32.5km s-min=15.6km az=85.0.
NNC Event type sm. Error ellipse: s-maj=22.2km s-min=15.4km az=70.0. Suspected Mining explosion.

(536) Sweden

ISC	**XII**	**19 13 00 18.1–.87**	**67.20N–.03**	**20.68E–.03**	**0**		**25**	**0-5**
UPP	XII	19 13 00 18.4–.10	67.18N	20.68E	0	2.7L		¶621743766
HEL	XII	19 13 00 18.2–.40	67.16N	20.53E	0	0.9L		

ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=1.9km s-min=7.0km az=-1.0. Suspected explosion.

(460) Wyoming

NEIC	**XII**	**19 19 07 35.2–.70**	**43.75N–.06**	**105.3W–.10**	**0–1**	**3.5L**		
								¶636100148

NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(460) Wyoming

ISC	**XII**	**19 19 08 06.8–.98**	**43.7N–.10**	**105.30W–.10**	**10**	**3.9b**	**11**	**3-90**
IDC	XII	19 19 08 06.9–1.1	43.95N	105.46W	0	3.8b,3.5		¶621657092

ISC Event type sm.
IDC Error ellipse: s-maj=23.5km s-min=11.2km az=145.0.

(460) Wyoming

ISC	**XII**	**19 20 22 08.1–1.2**	**43.73N–.06**	**105.24W–.06**	**0**		**19**	**1-20**
NEIC	XII	19 20 22 08.1–1.4	43.66N–.06	105.35W–.07	0–1	3.2L		¶621657098
IDC	XII	19 20 22 09.8–2.2	44.18N	105.77W	0	2.9,2.4L		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=11.5km s-min=6.6km az=328.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.6km s-min=15.0km az=143.0.

(460) Wyoming

ISC	**XII**	**19 20 41 10.5–1.0**	**44.30N–.07**	**105.51W–.07**	**0**		**13**	**1-19**
IDC	XII	19 20 41 12.2–1.9	44.43N	105.75W	0	3.3L,3.0		¶621657100
NEIC	XII	19 20 41 13.9–2.4	44.29N–.09	105.31W–.05	0–1	2.8L,3.0		

ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(536) Sweden

ISC	**XII**	**19 23 15 43.8–.84**	**67.83N–.02**	**20.21E–.02**	**0**		**34**	**0-3**
HEL	XII	19 23 15 43.5–.30	67.90N	20.01E	0	1.0L		¶621743770
UPP	XII	19 23 15 44.1–.10	67.86N	20.18E	0	2.6L		

ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=5.8km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XII**	**20 04 11 44.6**	**67.67N**	**33.70E**	**0**	**1.2L**		
HEL	XII	20 04 11 42.5–1.0	67.64N	34.11E	0	1.1L		¶625346696

KOGSR Event type kh. Error ellipse: s-maj=1.4km s-min=0.8km az=160.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type sh. Error ellipse: s-maj=3.6km s-min=18.8km az=-1.0. Suspected explosion.

(536) Sweden

UPP	**XII**	**20 04 11 59.7–.00**	**67.85N**	**20.21E**	**0**	**2.5L**		
HEL	XII	20 04 12 00.7–.20	67.84N	20.25E	0	1.1L		¶621737369

UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=4.3km az=-1.0. Suspected explosion.

(536) Sweden

HEL	**XII**	**20 08 03 45.7–.20**	**67.17N**	**20.48E**	**0**	**1.2L**		
								¶621737371

HEL Event type sh. Error ellipse: s-maj=1.0km s-min=4.5km az=-1.0. Suspected explosion.

(723) Finland-Karelia border region

ISC	**XII**	**20 08 59 20.4–1.6**	**61.15N–.05**	**29.93E–.06**	**0**		**22**	**1-9**
HEL	XII	20 08 59 21.1–.50	61.07N	29.96E	0	1.5L		¶621685602
IDC	XII	20 08 59 27.0–5.1	61.06N	29.46E	0	3.6,2.2L		

ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=3.0km s-min=5.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=43.8km s-min=23.6km az=148.0.

(496) New Mexico

ISC	**XII**	**20 20 40 27.1–.92**	**35.55N–.05**	**107.99W–.04**	**0**		**33**	**1-9**
IDC	XII	20 20 40 24.9–1.7	35.71N	108.09W	0	3.5L,3.2		¶621685644
NEIC	XII	20 20 40 26.7–.92	35.64N–.02	107.95W–.05	0–1	3.1L,3.2		

ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(548) Poland

BRA	**XII**	**21 02 52 26.7–.66**	**50.19N**	**19.25E**	**16–5**			
PRU	XII	21 02 52 27.2	50.26N	19.14E	0			¶625477555

BRA Event type kr. Error ellipse: s-maj=4.7km s-min=2.8km az=0.0. Mining induced.
PRU Event type ki.

(548) Poland

PRU	**XII**	**21 02 56 13.8**	**50.20N**	**18.85E**	**0**			
BRA	XII	21 02 56 14.3–.65	50.23N	18.86E	0			¶625477556

PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=4.6km s-min=2.4km az=0.0. Mining induced.

(536) Sweden

ISC	**XII**	**21 02 58 40.8–.65**	**67.17N–.01**	**20.66E–.01**	**0**		**218**	**0-11**
DNK	XII	21 02 58 41.8–.46	67.18N	20.65E	0	3.1L		¶635759318
HEL	XII	21 02 58 41.8	67.18N	20.59E	1	2.1L		
UPP	XII	21 02 58 41.5–.00	67.19N	20.64E	0	3.1L		
IDC	XII	21 02 58 42.2–1.1	67.22N	20.43E	0	3.3,2.7L		
NAO	XII	21 02 58 42.9–.30	67.21N	20.61E		2.9L,2.7L		
BER	XII	21 02 58 43.9–2.3	67.21N	20.56E	1	2.9L,2.5L		

ISC Event type sh.
DNK Event type sh. Suspected explosion.
HEL Event type ki. Confirmed Induced event.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=16.7km s-min=9.0km az=108.0.
NAO Event type se. Presumed earthquake.
BER Event type ki. Error ellipse: s-maj=2.6km s-min=6.4km az=-1.0. Confirmed Induced event.

(548) Poland

ISC	**XII**	**21 04 20 41.5–.73**	**50.19N–.04**	**19.04E–.02**	**0**		**49**	**0-20**
IDC	XII	21 04 20 42.2–2.8	50.19N	19.23E	0	3.2,2.1L		¶621652167
PRU	XII	21 04 20 42.6	50.22N	19.03E	0	3.2,2.1L		
IPEC	XII	21 04 20 42.4–.16	50.22N	19.07E	1	2.3L,2.1L		
BRA	XII	21 04 20 42.7–.59	50.22N	19.08E	8–3	2.1L,2.1L		

ISC Event type kr.
IDC Error ellipse: s-maj=50.4km s-min=15.7km az=134.0.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.8km az=1.0.
BRA Event type kr. Error ellipse: s-maj=4.4km s-min=2.1km az=0.0. Mining induced.

(329) Eastern Kazakhstan

ISC	**XII**	**21 07 19 59.3–1.4**	**49.70N–.07**	**81.8E–.10**	**0**		**7**	**2-5**
ASGSR	XII	21 07 19 58.0–1.8	49.64N	81.67E	0	2.5		¶621685670
NNC	XII	21 07 19 59.8–.76	49.67N	81.69E	0	3.0b,2.6		
IDC	XII	21 07 20 01.5–1.5	49.73N	81.60E	0	2.6L,2.6		

ISC Event type km.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

NNC Event type sm. Error ellipse: s-maj=9.1km s-min=3.1km az=51.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=16.1km s-min=11.1km az=82.0.

(721) Finland

HEL	**XII**	**21 11 38 27.1–.20**	**60.35N**	**24.88E**	**0**	**1.2L**		**¶635759331**

HEL Event type kh. Error ellipse: s-maj=1.6km s-min=3.7km az=-1.0. Explosion.

(536) Sweden

ISC	**XII**	**21 20 40 03.1–.68**	**67.19N–.02**	**20.68E–.02**	**0**		**165**	**0-11**
IDC	XII	21 20 40 04.0–1.3	67.25N	20.38E	0	3.3,2.3L		¶635759348
UPP	XII	21 20 40 03.6–.00	67.19N	20.66E	0	2.6L,2.3L		
HEL	XII	21 20 40 04.4–.10	67.18N	20.67E	1	2.6L,2.0L		
NAO	XII	21 20 40 05.0–.30	67.23N	20.68E		2.5L,2.0L		
BER	XII	21 20 40 06.0–2.0	67.23N	20.61E	1	2.5L,2.0L		

ISC Event type ki.
IDC Error ellipse: s-maj=17.9km s-min=9.8km az=108.0.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0. Confirmed Induced event.
NAO Event type se. Presumed earthquake.
BER Event type ki. Error ellipse: s-maj=2.7km s-min=6.2km az=-1.0. Confirmed Induced event.

(460) Wyoming

ISC	**XII**	**21 21 01 41.4–.96**	**43.66N–.05**	**105.15W–.06**	**0**		**55**	**1-20**
NEIC	XII	21 21 01 40.4–1.6	43.61N–.03	105.32W–.07	0–1	3.2L		¶621685706
IDC	XII	21 21 01 42.2–1.4	43.70N	105.26W	0	3.2L,3.1		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.1km s-min=5.3km az=254.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=12.8km az=141.0.

(713) Central Kazakhstan

ISC	**XII**	**22 06 59 55.9–.96**	**51.86N–.10**	**74.37E–.05**	**0**		**11**	**3-7**
NNC	XII	22 06 59 53.8–.95	51.66N	74.13E	0	2.8b,2.4		¶621686750
IDC	XII	22 06 59 56.5–1.3	51.85N	74.37E	0	2.5,1.9L		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=15.1km s-min=6.1km az=23.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.3km s-min=10.1km az=28.0.

(329) Eastern Kazakhstan

IDC	**XII**	**22 08 14 26.3–1.9**	**54.59N**	**83.74E**	**0**	**3.1,2.5L**		
NNC	XII	22 08 15 21.6–2.0	51.92N	75.70E	0	2.7b,2.3		¶621686753

IDC Error ellipse: s-maj=18.6km s-min=12.7km az=163.0.
NNC Event type sm. Error ellipse: s-maj=29.2km s-min=12.9km az=26.0. Suspected Mining explosion.

(721) Finland

ISC	**XII**	**22 08 30 11.0–.76**	**63.91N–.03**	**28.13E–.03**	**0**		**68**	**1-8**
HEL	XII	22 08 30 10.8–.10	63.97N	28.09E	0	1.7L		¶621686754
IDC	XII	22 08 30 11.4–2.6	63.84N	29.07E	0	2.9,2.0L		
BER	XII	22 08 30 11.6–1.3	63.65N	28.34E	0	1.7L,2.0L		

ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=2.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=42.3km s-min=14.2km az=101.0.
BER Event type sh. Error ellipse: s-maj=69.1km s-min=100.1km az=-1.0. Suspected explosion.

(547) Czech and Slovak Republics

ISC	**XII**	**22 08 34 38.8–.71**	**49.83N–.03**	**18.55E–.02**	**0**		**73**	**0-12**
VIE	XII	22 08 34 38.9–.47	49.77N	18.56E	0	2.9L,2.6b		¶621637460
PRU	XII	22 08 34 40.9	49.80N	18.47E	0	2.9L,2.6b		
IPEC	XII	22 08 34 40.1–.29	49.82N	18.54E	1	2.8L,2.6b		
BRA	XII	22 08 34 40.4–.37	49.86N	18.53E	10–2	2.7L,2.6b		
IDC	XII	22 08 34 41.6–1.6	50.02N	18.30E	0	3.0,2.1L		

ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=3.6km s-min=3.5km az=175.0. 9 km S of Karvina . Suspected Mining induced.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.4km az=68.0.
BRA Event type kr. Error ellipse: s-maj=2.4km s-min=1.9km az=0.0. Mining induced.
IDC Error ellipse: s-maj=27.7km s-min=12.4km az=147.0.

(555) Western Arabian Peninsula

GII	**XII**	**22 10 15 60.0–.00**	**29.908N–.00**	**36.262E–.00**	**0**			**¶635753511**

GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

(545) Northern Italy

VIE	**XII**	**22 12 17 31.5–.13**	**47.00N**	**11.53E**	**0**	**0.7L**		**¶636235741**

VIE Event type sm. Error ellipse: s-maj=1.3km s-min=0.9km az=116.0. 6 km SE of Gries am Brenner . Suspected Mining explosion.

(535) Southern Norway

BER	**XII**	**22 13 43 35.3–1.8**	**59.36N**	**6.06E**	**0**			**¶625477577**

BER Event type kh. Error ellipse: s-maj=5.6km s-min=7.7km az=-1.0. Explosion.

(548) Poland

PRU	**XII**	**22 13 44 12.3**	**51.32N**	**16.19E**	**0**			**¶635939704**

PRU Event type ki.

(584) South Africa

ISC	**XII**	**22 16 31 26.1–.83**	**26.06S–.04**	**29.06E–.03**	**0**		**24**	**1-6**
PRE	XII	22 16 31 26.7–.93	26.05S	29.09E	0	2.1L		¶624894905
BGSI	XII	22 16 31 30.3–1.4	25.86S	29.50E	3–17	2.5L		

ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=2.5km s-min=1.8km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=6.1km s-min=17.7km az=-1.0. Presumed earthquake.

(548) Poland

ISC	**XII**	**22 17 01 40.9–1.2**	**51.53N–.05**	**16.09E–.03**	**0**		**67**	**1-5**
IPEC	XII	22 17 01 40.0–.19	51.61N	16.18E	1	2.3L		¶621652200
VIE	XII	22 17 01 41.9–.52	51.47N	16.01E	0	2.6L,2.6b		
PRU	XII	22 17 01 43.1	51.51N	16.06E	0	2.6L,2.6b		

ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=62.0.
VIE Event type sr. Error ellipse: s-maj=5.5km s-min=3.2km az=43.0. 15 km WNW of Lubin . Suspected Mining induced.
PRU Event type ki.

(536) Sweden

UPP	**XII**	**22 19 32 13.2–.10**	**67.84N**	**20.17E**	**0**	**1.9L**		
HEL	XII	22 19 32 13.4–.30	67.81N	20.15E	0	1.5L		¶621737409

UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=6.7km az=-1.0. Suspected explosion.

(590) Western Australia

AUST	**XII**	**23 04 23 30.6–.40**	**28S–5.0**	**124E–3.0**	**10**	**3.5b,3.0L**		**¶621648335**

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(326) Southwestern Siberia

IDC	**XII**	**23 06 24 51.7–4.5**	**54.43N**	**86.01E**	**0**	**2.8,2.5L**		
ASGSR	XII	23 06 24 42.0–.70	54.57N	86.56E	0	2.3,2.5L		¶621686811

IDC Error ellipse: s-maj=36.9km s-min=14.6km az=53.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR	**XII**	**23 07 49 51.0–.80**	**54.14N**	**87.18E**	**0**	**2.3**		
IDC	XII	23 07 49 52.5–4.0	54.25N	87.22E	0	2.7,2.5L		¶621686815

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=34.7km s-min=19.9km az=70.0.

(326) Southwestern Siberia

IDC	**XII**	**23 08 45 00.4–4.0**	**53.60N**	**87.71E**	**0**	**2.7,2.5L**		
ASGSR	XII	23 08 44 56.0–1.1	53.61N	87.89E	0	2.6,2.5L		¶621686816

IDC Error ellipse: s-maj=36.2km s-min=20.4km az=61.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**XII**	**23 09 15 03.8–3.5**	**53.59N**	**87.71E**	**0**	**2.8,2.6L**		
ASGSR	XII	23 09 14 59.0–1.2	53.61N	87.85E	0	2.7,2.6L		¶621686818

IDC Error ellipse: s-maj=26.6km s-min=18.0km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(536) Sweden

ISC	**XII**	**23 10 48 11.2–.95**	**67.65N–.03**	**21.01E–.03**	**0**		**21**	**0-1**
UPP	XII	23 10 48 13.5–.00	67.64N	21.03E	0	2.6L		¶621737418
HEL	XII	23 10 48 13.5–.10	67.64N	20.93E	0	2.6L		

ISC Event type kh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0. Explosion.

(536) Sweden

ISC	**XII**	**23 11 15 29.1–1.0**	**67.70N–.03**	**20.80E–.03**	**0**		**20**	**0-7**
UPP	XII	23 11 15 28.9–.00	67.71N	20.79E	0	2.2L		¶621686823
IDC	XII	23 11 15 31.9–2.8	67.71N	21.19E	0	2.8,2.0L		

ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=38.1km s-min=19.0km az=109.0.

(536) Sweden

ISC	**XII**	**23 18 00 48.1–.78**	**67.05N–.02**	**20.94E–.02**	**0**		**71**	**0-7**
UPP	XII	23 18 00 47.6–.10	67.05N	20.94E	0	2.0L		¶621650628
HEL	XII	23 18 00 47.9–.30	67.05N	20.87E	0	1.7L		
IDC	XII	23 18 00 50.1–1.7	67.06N	21.11E	0	2.9,1.8L		

ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=5.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=24.3km s-min=12.9km az=98.0.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XII**	**23 20 05 53.9**	**67.63N**	**33.86E**	**0**	**1.2L**		**¶625337380**

KOGSR Event type kh. Error ellipse: s-maj=1.5km s-min=1.0km az=150.0. Khibiny, mines Rasvumchorr, Central.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XII**	**23 20 06 39.5**	**67.63N**	**33.73E**	**0**	**1.2L**		**¶636235716**

KOGSR Event type kh. Error ellipse: s-maj=2.3km s-min=1.1km az=30.0. Khibiny Mines.

(548) Poland

BRA	**XII**	**23 22 48 46.0–.70**	**50.15N**	**19.19E**	**2–9**			
PRU	XII	23 22 48 44.7	50.23N	19.10E	0			¶621654176

BRA Event type kr. Error ellipse: s-maj=4.3km s-min=3.0km az=0.0. Mining induced.
PRU Event type ki.

(326) Southwestern Siberia

IDC	**XII**	**24 09 00 43.8–4.2**	**53.67N**	**90.96E**	**0**	**3.1,2.7L**		
ASGSR	XII	24 09 00 40.0–1.6	53.73N	91.14E	0	2.7,2.7L		¶621700078

IDC Error ellipse: s-maj=33.9km s-min=26.4km az=43.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(366) Turkey

ISK	**XII**	**24 10 48 54.6**	**39.12N**	**27.57E**	**0–0**	**1.5L**		**¶621825231**

ISK Event type sm. Suspected Mining explosion.

(332) Northern Xinjiang

ISC	**XII**	**24 12 08 16.7–3.6**	**42.9N–.20**	**82.9E–.20**	**0**		**10**	**2-4**
SOME	XII	24 12 08 21.2	43.03N	82.67E	15			¶624930118
NNC	XII	24 12 08 25.8–6.2	43.28N	82.43E	0	3.0b,2.6		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=56.8km s-min=17.4km az=133.0. Suspected Mining explosion.

(584) South Africa

ISC	**XII**	**24 12 23 53.9–.78**	**23.72S–.03**	**27.65E–.04**	**0**		**26**	**1-5**
PRE	XII	24 12 23 55.3–.99	23.61S	27.34E	0	2.0L		¶624894913
BGSI	XII	24 12 23 58.8–1.9	23.69S	27.54E	0–9	2.6L		

ISC Event type sh.
PRE Event type sh. Error ellipse: s-maj=4.5km s-min=3.8km az=-1.0. Suspected explosion.
BGSI Event type se. Error ellipse: s-maj=3.9km s-min=10.7km az=-1.0. Presumed earthquake.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XII**	**24 12 44 22.1–1.1**	**60.66N–.04**	**29.16E–.05**	**0**		**35**	**1-19**
IDC	XII	24 12 44 22.6–9.0	60.55N	29.20E	0			¶621700084
HEL	XII	24 12 44 24.0–.40	60.59N	29.04E	0	1.4L		

ISC Event type sh.
IDC Error ellipse: s-maj=55.0km s-min=30.9km az=123.0.
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=4.9km az=-1.0. Suspected explosion.

(460) Wyoming

ISC	**XII**	**24 20 02 30.3–.95**	**43.80N–.05**	**105.25W–.05**	**0**		**62**	**1-20**
NEIC	XII	24 20 02 29.2–1.7	43.75N–.05	105.35W–.07	0–1	3.1L		¶621700104
IDC	XII	24 20 02 31.9–2.3	44.02N	105.49W	0	3.3L,3.3		

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.9km s-min=8.4km az=358.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.1km s-min=13.1km az=144.0.

(329) Eastern Kazakhstan

ISC	**XII**	**25 10 06 57.5–1.1**	**48.67N–.06**	**77.67E–.07**	**0**		**11**	**2-7**
NNC	XII	25 10 06 58.0–1.3	48.61N	77.84E	0	2.9b,2.5		¶621700145
IDC	XII	25 10 06 58.5–4.4	48.64N	77.95E	0	2.5,1.9L		

ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=10.7km s-min=9.6km az=89.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=44.5km s-min=19.0km az=73.0.

(536) Sweden

ISC	**XII**	**26 08 15 06.7–.86**	**67.84N–.03**	**20.23E–.03**	**0**		**26**	**0-3**
UPP	XII	26 08 15 06.8–.00	67.86N	20.20E	0	2.5L		¶621737487
HEL	XII	26 08 15 06.7–.40	67.79N	20.11E	0	0.8L		

ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=6.2km az=-1.0. Suspected explosion.

(548) Poland

PRU	**XII**	**26 08 41 10.4**	**51.26N**	**18.92E**	**0**			
BRA	XII	26 08 41 11.9–1.6	51.24N	18.98E	10			¶625477612

PRU Belchatow.
BRA Event type kr. Error ellipse: s-maj=7.5km s-min=4.3km az=0.0. Mining induced.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XII**	**26 08 51 16.9–.69**	**59.83N–.02**	**24.44E–.02**	**0**		**106**	**0-10**
IDC	XII	26 08 51 16.5–3.4	59.73N	24.44E	0	3.0,2.4L		¶621700209
DNK	XII	26 08 51 17.0–.69	59.85N	24.54E	0	2.2L,2.4L		
UPP	XII	26 08 51 18.5–2.3	59.85N	24.36E	0	2.2L,2.4L		
HEL	XII	26 08 51 18.2–.00	59.86N	24.39E	0	2.0L,2.4L		
EST	XII	26 08 51 18.2	59.86N	24.39E	0	2.0L,2.4L		
BER	XII	26 08 51 26.8–.95	60.21N	23.92E	0	2.0L,2.4L		

ISC Event type kh.
IDC Error ellipse: s-maj=34.2km s-min=13.6km az=157.0.
DNK Event type sh. Error ellipse: s-maj=11.2km s-min=11.5km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
EST Event type kh. Explosion.
BER Event type sh. Error ellipse: s-maj=85.8km s-min=87.7km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XII**	**26 09 35 16.9–.73**	**59.82N–.02**	**24.39E–.02**	**0**		**70**	**0-10**
UPP	XII	26 09 35 14.2–2.9	60.27N	24.96E	0	1.9L		¶621700212
HEL	XII	26 09 35 17.6–.00	59.84N	24.35E	0	1.6L		
EST	XII	26 09 35 17.6	59.84N	24.35E	0	1.6L		
IDC	XII	26 09 35 19.9–3.5	59.93N	24.38E	0	3.0,2.0L		

ISC Event type kh.
UPP Event type se. Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
EST Event type kh. Explosion.
IDC Error ellipse: s-maj=37.9km s-min=17.7km az=150.0.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XII**	**26 09 39 56.7–.76**	**59.83N–.02**	**24.37E–.02**	**0**		**73**	**0-10**
LVSN	XII	26 09 36 45.4	57.28N	23.77E	0	3.3L		¶621700213
HEL	XII	26 09 39 58.0–.00	59.85N	24.37E	0	1.9L		
EST	XII	26 09 39 58.0	59.85N	24.37E	0	2.0L		
IDC	XII	26 09 40 02.8–2.5	60.26N	24.01E	0	3.0,2.2L		
BER	XII	26 09 40 02.3–1.7	59.86N	23.93E	0	1.9L,2.2L		
UPP	XII	26 09 40 04.8–1.4	60.00N	23.37E	0	1.9L,2.2L		

ISC Event type kh.

LVSN Event type se. Presumed earthquake.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Explosion.
EST Event type kh. Explosion.
IDC Error ellipse: s-maj=28.7km s-min=14.3km az=164.0.
BER Event type sh. Error ellipse: s-maj=35.9km s-min=96.1km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Presumed earthquake.

(548) Poland

ISC	**XII**	**26 13 02 13.8–1.1**	**51.45N–.05**	**16.22E–.03**	**0**			**86**	**1-5**
IPEC	XII	26 13 02 13.5–.19	51.50N	16.23E	1	2.2L			**¶621654208**
VIE	XII	26 13 02 14.8–.48	51.40N	16.06E	0	2.5L,2.5b			
PRU	XII	26 13 02 15.1	51.43N	16.18E	0	2.5L,2.5b			

ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=65.0.
VIE Event type sr. Error ellipse: s-maj=4.9km s-min=2.8km az=38.0. 10 km W of Lubin . Suspected Mining induced.
PRU Event type ki.

(536) Sweden

ISC	**XII**	**26 16 35 10.0–.81**	**67.85N–.03**	**20.20E–.03**	**0**			**46**	**0-8**
HEL	XII	26 16 35 08.4–.30	67.83N	19.98E	0	1.5L			**¶621700231**
UPP	XII	26 16 35 09.4–.00	67.86N	20.14E	0	2.1L			
IDC	XII	26 16 35 11.6–1.7	67.85N	20.22E	0	2.9,2.0L			

ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=5.5km az=-1.0. Suspected explosion.
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.8km s-min=12.3km az=112.0.

(460) Wyoming

ISC	**XII**	**26 21 01 32.4–.97**	**43.87N–.06**	**105.06W–.06**	**0**			**27**	**1-19**
NEIC	XII	26 21 01 31.8–1.9	43.85N–.05	105.19W–.09	0–1	3.0L			**¶621700255**
IDC	XII	26 21 01 36.5–2.2	44.22N	105.52W	0	3.2L,3.2			

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.6km s-min=9.0km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=66.3km s-min=15.2km az=142.0.

(326) Southwestern Siberia

IDC	**XII**	**27 04 50 12.0–3.7**	**54.28N**	**86.62E**	**0**	**2.9,2.4L**			
ASGSR	XII	27 04 50 09.0	54.32N	86.70E	0	2.6,2.4L			**¶621717288**

IDC Error ellipse: s-maj=32.0km s-min=14.8km az=67.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ISC	**XII**	**27 07 00 19.3–4.3**	**54.2N–.30**	**86.8E–.20**	**0**			**7**	**1-8**
NNC	XII	27 07 00 18.9–1.7	54.15N	86.83E	0	2.8b,2.7			**¶621717294**
ASGSR	XII	27 07 00 22.0–1.4	54.13N	86.45E	0	2.6,2.7			
IDC	XII	27 07 00 23.2–3.6	54.12N	86.46E	0	2.8,2.5L			

ISC Event type km.
NNC Event type sm. Error ellipse: s-maj=11.4km s-min=9.3km az=33.0. Suspected Mining explosion.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=29.5km s-min=15.0km az=70.0.

(326) Southwestern Siberia

IDC	**XII**	**27 07 55 11.9–4.0**	**54.26N**	**86.12E**	**0**	**3.1,2.8L**			
ASGSR	XII	27 07 55 09.0	54.28N	86.15E	0	2.5,2.8L			**¶621717299**

IDC Error ellipse: s-maj=33.6km s-min=13.1km az=64.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

ASGSR	**XII**	**27 09 09 59.0–.80**	**55.11N**	**83.86E**	**0**	**2.4**			
IDC	XII	27 09 10 00.7–3.2	55.25N	84.18E	0	2.6,2.3L			**¶621717302**

ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
IDC Error ellipse: s-maj=29.1km s-min=16.5km az=166.0.

(326) Southwestern Siberia

IDC	**XII**	**27 09 45 06.4–4.0**	**53.52N**	**87.51E**	**0**	**2.5,1.8L**			
ASGSR	XII	27 09 45 04.0–1.3	53.48N	87.53E	0	2.4,1.8L			**¶621717303**

IDC Error ellipse: s-maj=35.9km s-min=20.4km az=66.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**XII**	**27 09 48 40.1–3.7**	**54.25N**	**87.37E**	**0**	**2.8,2.6L**			
ASGSR	XII	27 09 48 40.0–.70	54.17N	87.19E	0	2.7,2.6L			**¶621717304**

IDC Error ellipse: s-maj=29.6km s-min=22.4km az=73.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(723) Finland-Karelia border region

HEL	**XII**	**27 10 25 17.4–.20**	**64.69N**	**30.79E**	**0**	**1.9L**			
									¶635969684

HEL Event type kh. Error ellipse: s-maj=0.9km s-min=4.7km az=-1.0. Explosion.

(723) Finland-Karelia border region

ISC	**XII**	**27 10 25 49.6–1.2**	**64.77N–.06**	**30.98E–.09**	**0**			**25**	**2-14**
BER	XII	27 10 25 46.8–.98	64.47N	32.03E	0	1.9L			**¶621717308**
IDC	XII	27 10 25 50.8–2.9	64.71N	31.06E	0	3.3,2.4L			
KOGSR	XII	27 10 25 55.2	64.78N	30.66E	0	2.3L,2.4L			

ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=8.8km s-min=36.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=41.1km s-min=10.9km az=100.0.
KOGSR Event type kh. Error ellipse: s-maj=16.2km s-min=6.5km az=160.0. Kostomuksha, Karelia.

(536) Sweden

ISC	**XII**	**27 17 22 15.3–.69**	**67.21N–.02**	**20.75E–.02**	**0**			**129**	**0-7**
UPP	XII	27 17 22 15.8–.00	67.19N	20.65E	0	2.1L			**¶621717328**
HEL	XII	27 17 22 16.5–.00	67.18N	20.67E	1	2.1L,1.6L			
BER	XII	27 17 22 17.8–2.2	67.20N	20.58E	1	1.6L,1.6L			
IDC	XII	27 17 22 17.7–1.7	67.16N	20.94E	0	2.6,1.9L			

ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Confirmed Induced event.
BER Event type ki. Error ellipse: s-maj=3.4km s-min=7.7km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=25.7km s-min=13.0km az=96.0.

(326) Southwestern Siberia

IDC	**XII**	**28 06 59 59.7–2.2**	**54.57N**	**83.76E**	**0**	**3.1,2.8L**			
ASGSR	XII	28 06 59 57.0–.80	54.65N	83.62E	0	2.4,2.8L			**¶625337564**

IDC Error ellipse: s-maj=18.6km s-min=12.4km az=152.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(332) Northern Xinjiang

ISC	**XII**	**28 07 14 28.1–.66**	**43.36N–.05**	**82.87E–.03**	**0**	**3.8b**		**81**	**2-82**
IDC	XII	28 07 14 28.7–.80	43.38N	82.67E	0	3.8b,3.8			**¶621717371**
SOME	XII	28 07 14 30.6	43.33N	82.62E	20	3.8b,3.8			
NNC	XII	28 07 14 32.8–1.0	43.46N	82.44E	1–5	4.5b,4.2			

ISC Event type sm.
IDC Error ellipse: s-maj=12.2km s-min=9.7km az=79.0.
NNC Event type sm. Error ellipse: s-maj=8.5km s-min=3.6km az=138.0. Suspected Mining explosion.

(326) Southwestern Siberia

IDC	**XII**	**28 07 33 26.1–2.1**	**53.99N**	**87.01E**	**0**	**3.0L,3.0**			
ASGSR	XII	28 07 33 27.0–1.4	54.01N	86.51E	0	2.4,3.0			**¶621717373**

IDC Error ellipse: s-maj=26.4km s-min=18.6km az=15.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**XII**	**28 07 37 30.2–2.3**	**54.72N**	**83.51E**	**0**	**2.6,2.1L**			
ASGSR	XII	28 07 37 32.0–.70	54.62N	83.70E	0	2.6,2.1L			**¶621717374**

IDC Error ellipse: s-maj=20.1km s-min=14.3km az=164.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**XII**	**28 07 37 56.6–2.0**	**54.65N**	**83.66E**	**0**	**2.9,2.5L**			
ASGSR	XII	28 07 37 54.0–1.2	54.65N	83.59E	0	2.2,2.5L			**¶621717377**

IDC Error ellipse: s-maj=18.3km s-min=12.1km az=161.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(326) Southwestern Siberia

IDC	**XII**	**28 07 55 34.4–2.2**	**54.23N**	**86.59E**	**0**	**3.0L,3.0**			
ASGSR	XII	28 07 55 36.0–1.6	54.19N	86.37E	0	2.6,3.0			**¶621717379**

IDC Error ellipse: s-maj=19.6km s-min=16.1km az=26.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XII**	**28 11 31 53.0–1.3**	**60.92N–.05**	**29.26E–.06**	**0**			**34**	**1-9**
HEL	XII	28 11 31 56.0–.40	60.99N	29.08E	0	1.5L			**¶621717387**
IDC	XII	28 11 31 58.2–4.3	61.02N	28.89E	0	3.0,2.7L			

ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=2.0km s-min=5.4km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=40.9km s-min=23.5km az=129.0.

(723) Finland-Karelia border region

HEL	**XII**	**28 12 04 40.6–.30**	**61.24N**	**29.82E**	**0**	**1.3L**			
									¶635759536

HEL Event type kh. Error ellipse: s-maj=2.1km s-min=4.4km az=-1.0. Explosion.

(536) Sweden

HEL	**XII**	**28 16 03 44.6–.40**	**67.84N**	**20.01E**	**0**	**0.9L**			
									¶635759538

HEL Event type sh. Error ellipse: s-maj=1.7km s-min=7.3km az=-1.0. Suspected explosion.

(722) Norway-Murmansk border region

HEL	**XII**	**28 16 03 54.4–.70**	**69.40N**	**30.74E**	**0**	**1.2L**			
									¶635759539

HEL Event type kh. Error ellipse: s-maj=3.3km s-min=11.8km az=-1.0. Explosion.

(460) Wyoming

ISC	**XII**	**28 18 56 41.0–1.1**	**44.04N–.06**	**105.22W–.05**	**0**			**28**	**1-9**
NEIC	XII	28 18 56 42.3–1.7	43.99N–.04	105.41W–.09	0–1	3.0L			**¶621717411**
IDC	XII	28 18 56 43.2–2.0	44.16N	105.55W	0	3.0,2.0L			

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=13.2km s-min=2.7km az=57.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.7km s-min=11.5km az=145.0.

(548) Poland

ISC	**XII**	**28 19 13 38.8–.81**	**50.18N–.04**	**18.94E–.02**	**0**			**82**	**1-7**
VIE	XII	28 19 13 38.7–.48	50.21N	18.98E	0	2.8L,2.3b			**¶621657418**
IPEC	XII	28 19 13 38.7–.16	50.22N	18.98E	1	2.8L,2.3b			
BRA	XII	28 19 13 38.9–.60	50.29N	18.98E	10–3	2.3L,2.3b			
PRU	XII	28 19 13 39.2	50.27N	18.92E	0	2.3L,2.3b			

ISC Event type kr.
VIE Event type sr. Error ellipse: s-maj=6.4km s-min=3.1km az=168.0. 5 km S of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.8km az=0.0.
BRA Event type kr. Error ellipse: s-maj=4.3km s-min=2.0km az=0.0. Mining induced.
PRU Event type ki.

(460) Wyoming

ISC	**XII**	**28 20 19 24.1–.90**	**43.95N–.04**	**105.55W–.04**	**0**			**54**	**1-9**
NEIC	XII	28 20 19 26.4–1.4	43.62N–.06	105.2W–.10	0–1	3.3L			**¶621717415**
IDC	XII	28 20 19 28.4–1.9	44.21N	105.74W	0	3.2,3.0L			

ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=13.1km s-min=9.8km az=67.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.9km s-min=12.1km az=144.0.

(447) Southern Quebec

ISC	**XII**	**28 23 22 37.9–.49**	**48.26N–.03**	**78.36W–.03**	**0**	**3.7b**		**202**	**1-145**
IDC	XII	28 23 22 40.8–.73	48.28N	78.48W	0	3.9,3.7b			**¶621717424**
OTT	XII	28 23 22 41.1	48.25N	78.45W	3	4.2,4.1			

ISC Event type kr.
IDC Error ellipse: s-maj=13.9km s-min=8.3km az=111.0.
OTT Event type fr. Mining event, 2km west of LaRonde Mine, Qc, felt Mining induced.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XII**	**29 04 04 39.4**	**67.62N**	**33.86E**	**0**	**1.4L**			
HEL	XII	29 04 04 39.3–.30	67.78N	33.89E	0	1.2L			**¶625337600**
BER	XII	29 04 04 40.4–1.6	67.64N	34.12E	0	1.2L			

KOGSR Event type kh. Error ellipse: s-maj=1.9km s-min=1.5km az=160.0. Khibiny, mines Rasvumchorr, Central.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=5.7km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=26.3km s-min=34.4km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XII**	**29 04 05 39.1**	**67.66N**	**33.75E**	**0**	**1.1L**			
									¶636235718

KOGSR Event type kh. Error ellipse: s-maj=1.5km s-min=1.1km az=150.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XII**	**29 04 06 14.4**	**67.66N**	**33.76E**	**0**	**1.0L**			
									¶636235719

KOGSR Event type kh. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XII**	**29 04 06 36.1**	**67.65N**	**33.77E**	**0**	**1.0L**			
									¶636235720

KOGSR Event type kh. Error ellipse: s-maj=1.5km s-min=0.8km az=150.0. Khibiny, mines Kirovsk, Yukspor.

(724) Baltic States-Belarus-Northwestern Russia

KOGSR	**XII**	**29 04 07 01.9**	**67.66N**	**33.75E**	**0**	**1.1L**			
									¶636235721

KOGSR Event type kh. Error ellipse: s-maj=3.0km s-min=0.6km az=150.0. Khibiny, mines Kirovsk, Yukspor.

(721) Finland

HEL	**XII**	**29 05 10 33.4–.00**	**60.19N**	**24.82E**	**1**	**0.4L**			
									¶635759555

HEL Event type ki. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Confirmed Induced event.

(366) Turkey

ISK	**XII**	**29 06 55 42.3**	**39.10N**	**27.53E**	**0–0**	**1.9L**			
AFAD	XII	29 06 55 43.0	39.11N	27.50E	7–5	1.7L			**¶621816505**

ISK Event type sm. Suspected Mining explosion.
AFAD Event type se. Presumed earthquake.

(548) Poland

ISC	**XII**	**29 07 14 42.8–1.7**	**51.45N–.07**	**16.11E–.05**	**0**			**41**	**1-4**
VIE	XII	29 07 14 43.5–.99	51.44N	16.22E	0	2.5b,2.2L			**¶621657438**
PRU	XII	29 07 14 45.3	51.42N	16.04E	0	2.5b,2.2L			

ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=7.3km s-min=5.8km az=45.0. 5 km NNE of Lubin . Suspected Mining induced.
PRU Event type ki.

(721) Finland

ISC	**XII**	**29 08 30 15.3–.75**	**63.97N–.02**	**28.13E–.02**	**0**			**61**	**1-9**
HEL	XII	29 08 30 16.0–.10	63.97N	28.13E	0	1.8L			**¶621656501**
IDC	XII	29 08 30 17.8–2.4	63.89N	28.04E	0	2.9,1.8L			

ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.5km s-min=1.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=40.6km s-min=13.6km az=98.0.

(326) Southwestern Siberia

IDC	**XII**	**29 08 40 31.6–3.2**	**54.00N**	**86.42E**	**0**	**2.9,2.7L**			
ASGSR	XII	29 08 40 22.0–1.7	54.18N	86.42E	0	2.4,2.7L			**¶621724191**

IDC Error ellipse: s-maj=25.3km s-min=14.9km az=78.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.

(329) Eastern Kazakhstan

NNC	**XII**	**29 09 36 36.4–.95**	**51.73N**	**75.39E**	**0**	**2.7b,2.3**			
									¶624930321

NNC Event type sm. Error ellipse: s-maj=11.0km s-min=5.8km az=16.0. Suspected Mining explosion.

(723) Finland-Karelia border region

ISC	**XII**	**29 09 59 45.0–.87**	**64.67N–.02**	**30.49E–.04**	**0**			**59**	**1-10**
HEL	XII	29 09 59 46.0–.10	64.67N	30.70E	0	1.8L			**¶621724203**
IDC	XII	29 09 59 47.5–2.4	64.67N	30.81E	0	2.8,1.9L			
KOGSR	XII	29 09 59 47.3	64.67N	30.93E	0	2.2L,1.9L			

ISC Event type kh.
HEL Event type sh. Error ellipse: s-maj=0.6km s-min=2.9km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=27.6km s-min=11.2km az=101.0.
KOGSR Event type kh. Error ellipse: s-maj=17.3km s-min=6.6km az=160.0. Kostomuksha, Karelia.

(724) Baltic States-Belarus-Northwestern Russia

ISC	**XII**	**29 10 21 14.5–.89**	**59.27N–.03**	**27.63E–.03**	**0**			**52**	**0-8**
HEL	XII	29 10 21 14.4–.40	59.27N	27.84E	0	1.7L			**¶621724205**
EST	XII	29 10 21 15.4–.10	59.28N	27.67E	0	1.7L			
IDC	XII	29 10 21 16.9–4.3	59.43N	27.81E	0	2.7,1.6L			

ISC Event type kh.
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=5.0km az=-1.0. Suspected explosion.
EST Event type kh. Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=32.6km s-min=24.0km az=135.0.

(713) Central Kazakhstan
ISC XII 29 10 56 19.6–1.9 43.51N–.07 69.89E–.08 0 23 0-4
SOME XII 29 10 56 13.9 43.63N 69.78E ¶622413603
KRNET XII 29 10 56 13.1–.10 43.57N 69.29E 3.1b
NNC XII 29 10 56 15.7–2.0 43.58N 69.76E 0 3.5b,3.1
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=13.5km s-min=6.6km az=132.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 29 11 38 26.4 67.68N 34.02E 0 1.2L
¶636094542
KOGSR Event type kh. Error ellipse: s-maj=2.1km s-min=1.4km az=140.0. Khibiny Massif.
(724) Baltic States-Belarus-Northwestern Russia
ISC XII 29 11 38 59.9–.99 67.56N–.03 34.08E–.04 0 42 0-11
IDC XII 29 11 38 57.4–4.1 67.77N 35.15E 0 3.0,2.1L ¶621724210
BER XII 29 11 38 57.9–.72 67.19N 34.18E 0 1.8L,2.1L
HEL XII 29 11 38 59.4–.50 67.75N 34.15E 0 1.8L,2.1L
KOGSR XII 29 11 39 02.2 67.66N 34.05E 0 2.0L,2.1L
ISC Event type kh.
IDC Error ellipse: s-maj=43.1km s-min=17.9km az=74.0.
BER Event type sh. Error ellipse: s-maj=8.7km s-min=30.5km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=9.4km az=-1.0. Explosion.
KOGSR Event type kh. Error ellipse: s-maj=2.4km s-min=1.6km az=130.0. Khibiny, mines Koashva, Nyurkpakh.
(373) Dead Sea region
GII XII 29 11 46 41.5–.00 30.805N–.00 36.128E–.00 0
¶635753612
GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
(724) Baltic States-Belarus-Northwestern Russia
ISC XII 29 11 49 56.4–.91 67.62N–.03 33.80E–.04 0 54 0-11
HEL XII 29 11 49 54.7–.50 67.81N 34.07E 0 1.6L ¶621724212
KOGSR XII 29 11 49 57.1 67.66N 33.75E 0 1.7L
BER XII 29 11 49 57.5–1.8 67.62N 34.04E 0 1.6L
IDC XII 29 11 49 59.6–3.5 67.62N 33.42E 0 3.0,2.1L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=7.7km az=-1.0. Explosion.
KOGSR Error ellipse: s-maj=2.7km s-min=2.4km az=130.0. Khibiny, mines Kirovsk, Yukspor.
BER Event type sh. Error ellipse: s-maj=18.1km s-min=39.7km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=36.9km s-min=14.5km az=80.0.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 29 12 05 18.0 67.64N 33.85E 0 1.4L
¶625337605
KOGSR Event type kh. Error ellipse: s-maj=1.7km s-min=1.1km az=150.0. Khibiny, mines Rasvumchorr, Central.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 29 12 05 59.0 67.66N 33.74E 0 1.2L
¶636235728
KOGSR Event type kh. Error ellipse: s-maj=1.6km s-min=1.0km az=160.0. Khibiny, mines Kirovsk, Yukspor.
(724) Baltic States-Belarus-Northwestern Russia
ISC XII 29 13 26 17.3–1.4 60.86N–.05 29.48E–.06 0 31 1-9
HEL XII 29 13 26 18.1–.30 60.88N 29.46E 0 1.5L ¶621724217
IDC XII 29 13 26 21.8–4.7 61.02N 29.27E 0 3.1
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=38.4km s-min=22.0km az=136.0.
(548) Poland
PRU XII 29 14 50 26.6 50.28N 18.83E 0
BRA XII 29 14 50 27.0–.84 50.24N 18.86E 1–13 ¶625477660
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=5.1km s-min=2.8km az=0.0. Mining induced.
(460) Wyoming
ISC XII 29 17 28 34.6–1.2 43.59N–.06 105.43W–.06 0 43 1-9
NEIC XII 29 17 28 34.3–1.3 43.63N–.06 105.41W–.08 0–1 2.9L ¶621724231
IDC XII 29 17 28 38.0–2.2 44.14N 105.79W 0 3.0,1.5L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.6km s-min=8.1km az=317.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=65.8km s-min=12.3km az=145.0.
(464) Minnesota
ISC XII 29 18 18 38.0–.80 47.52N–.03 92.61W–.04 0 36 1-13
IDC XII 29 18 18 39.1–4.7 47.69N 92.57W 0 2.8,1.3L ¶621724239
NEIC XII 29 18 18 39.5–1.4 47.53N–.02 92.57W–.05 0–2 3.0L,2.8
OTT XII 29 18 18 40.0–.13 47.57N 92.66W 0 2.9,2.8
ISC Event type km.
IDC Error ellipse: s-maj=51.7km s-min=25.2km az=85.0.
NEIC Event type sm. Error ellipse: s-maj=5.3km s-min=3.1km az=261.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type km. Error ellipse: s-maj=61.2km s-min=65.3km az=-1.0. Blast, 10km Wnw of Virginia, Mn Mining explosion.
(456) Montana
ISC XII 29 20 21 22.4–.92 45.84N–.05 106.60W–.07 0 64 1-8
NEIC XII 29 20 21 20.6–1.5 45.80N–.05 106.60W–.07 0–1 3.3L ¶621724249
IDC XII 29 20 21 23.1–1.3 45.73N 106.52W 0 3.2,3.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.1km s-min=7.7km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.0km s-min=10.9km az=137.0.
(536) Sweden
HEL XII 30 00 20 04.8–.20 67.84N 20.21E 0 1.3L
¶636235723
HEL Event type sh. Error ellipse: s-maj=0.6km s-min=3.1km az=-1.0. Suspected explosion.
(536) Sweden
UPP XII 30 00 20 39.1–.10 67.86N 20.22E 0 2.0L
¶621737530
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
IDC XII 30 04 59 05.7–3.8 53.64N 88.01E 0 2.7,2.3L
ASGSR XII 30 04 59 04.0–1.3 53.63N 87.78E 0 2.6,2.3L ¶621725990
IDC Error ellipse: s-maj=32.5km s-min=19.8km az=88.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(326) Southwestern Siberia
IDC XII 30 05 34 02.7–1.3 51.59N 82.61E 0 2.3,1.9L
ASGSR XII 30 05 34 01.0–2.4 51.25N 82.61E 0 2.3,1.9L ¶621725992
IDC Error ellipse: s-maj=17.6km s-min=11.4km az=124.0.
ASGSR Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
(723) Finland-Karelia border region
ISC XII 30 10 07 05.2–.91 64.83N–.02 30.85E–.04 0 67 1-10
MOS XII 30 10 07 05.0–.60 64.83N–.05 31.02E–.03 0 1.9 ¶621726002
HEL XII 30 10 07 05.4–.20 64.77N 30.71E 0 1.9L
IDC XII 30 10 07 06.4–3.0 64.70N 30.95E 0 2.9,2.0L
KOGSR XII 30 10 07 08.9 64.93N 31.14E 0 2.2L,2.0L
ISC Event type km.
MOS Event type km. The earthquakes of Russia in 2021. Obninsk, GS RAS, 2023.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=4.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=41.0km s-min=10.7km az=98.0.
KOGSR Event type kh. Error ellipse: s-maj=12.7km s-min=7.0km az=160.0. Karelia.
(536) Sweden
ISC XII 30 10 38 13.0–.77 67.58N–.02 21.07E–.02 0 50 0-4
UPP XII 30 10 38 13.8–.00 67.64N 21.02E 0 2.7L ¶621737536
HEL XII 30 10 38 13.0–.20 67.64N 20.78E 0 1.3L
ISC Event type sh.
UPP Event type sh. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=5.0km az=-1.0. Suspected explosion.
(24) Alberta
ISC XII 30 16 40 38.1–.71 50.19N–.05 114.90W–.05 0 3.4b 31 1-82
IDC XII 30 16 40 38.9–.91 50.22N 115.11W 0 3.8L,3.4 ¶621726017
PGC XII 30 16 40 39.7–.05 50.16N 114.92W 0 3.7L,3.4
ISC Event type km.
IDC Error ellipse: s-maj=20.2km s-min=12.9km az=103.0.
PGC Event type km. 14km northeast of Elkford, Bc Alberta, Canada Mining explosion.
(548) Poland
PRU XII 30 19 50 47.2 50.19N 19.28E 0
BRA XII 30 19 50 47.0–.49 50.14N 19.36E 10 ¶621658356
PRU Event type ki.
BRA Event type kr. Error ellipse: s-maj=3.5km s-min=2.5km az=0.0. Mining induced.
(460) Wyoming
ISC XII 30 20 53 07.5–.82 43.37N–.04 105.45W–.04 0 40 1-20
NEIC XII 30 20 53 09.9–.62 43.58N–.06 105.39W–.06 0–1 3.2L ¶621726027
IDC XII 30 20 53 12.8–2.3 43.85N 105.53W 0 3.2,2.8L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=12.6km s-min=4.7km az=327.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.7km s-min=12.8km az=146.0.
(536) Sweden
ISC XII 30 21 03 19.6–.97 67.84N–.03 20.23E–.05 0 36 1-8
HEL XII 30 21 03 17.6–.30 67.88N 20.01E 0 1.6L ¶621657568
IDC XII 30 21 03 20.4–2.0 67.92N 20.15E 0 3.0,1.9L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=6.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=25.7km s-min=13.5km az=112.0.
(548) Poland
ISC XII 31 03 13 04.5–1.2 51.45N–.05 16.20E–.03 0 48 1-4
VIE XII 31 03 13 02.0–3.0 51.53N 16.21E 0 2.5b,2.4L ¶621658364
PRU XII 31 03 13 06.6 51.44N 16.15E 0 2.5b,2.4L
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=17.6km s-min=11.6km az=11.0. 14 km N of Lubin . Suspected Mining induced.
PRU Event type ki.
(329) Eastern Kazakhstan
ISC XII 31 07 15 38.4–1.2 50.03N–.08 78.9E–.20 0 26 1-5
NNC XII 31 07 15 36.0–.93 49.94N 78.51E 0 2.7b,2.3 ¶621726049
IDC XII 31 07 15 37.8–1.4 50.01N 78.76E 0 2.5,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.2km s-min=4.2km az=85.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.9km s-min=10.1km az=69.0.
(555) Western Arabian Peninsula
ISC XII 31 08 30 53.7–1.9 29.90N–.08 36.22E–.10 0 21 1-7
GII XII 31 08 30 52.1–.00 29.817N–.00 36.292E–.00 0 ¶625388474
JSO XII 31 08 30 57.7 29.95N 36.04E 10 3.5
ISC Event type km.
GII Event type km. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
JSO Western Arabian Peninsula . LOCSAT solution with earthmodel iasp91 (with start solution, 12 stations used, weight 12):. RMS-ERR: 1.295.
(724) Baltic States-Belarus-Northwestern Russia
KOGSR XII 31 12 05 07.1 67.72N 33.66E 0 1.6L
¶625337759
KOGSR Event type kh. Error ellipse: s-maj=2.0km s-min=0.9km az=140.0. Khibiny Massif.
(724) Baltic States-Belarus-Northwestern Russia
BER XII 31 12 04 54.8–.38 68.89N 33.08E 0 1.2L
¶636235748
BER Event type sh. Error ellipse: s-maj=6.6km s-min=54.4km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC XII 31 12 52 39.8–.91 67.58N–.03 33.87E–.04 0 56 0-12
BER XII 31 12 52 40.1–1.7 67.17N 33.28E 0 1.8L ¶621726059
HEL XII 31 12 52 40.1–.40 67.83N 33.92E 0 1.8L
KOGSR XII 31 12 52 41.6 67.63N 33.81E 0 1.9L
IDC XII 31 12 52 42.7–2.5 67.59N 33.46E 0 3.5,2.3L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=18.6km s-min=52.9km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.9km s-min=7.3km az=-1.0. Suspected explosion.
KOGSR Event type kh. Error ellipse: s-maj=2.7km s-min=1.6km az=140.0. Khibiny, mines Rasvumchorr, Central.
IDC Error ellipse: s-maj=28.1km s-min=12.3km az=89.0.
(456) Montana
ISC XII 31 19 35 56.0–1.0 45.18N–.06 106.87W–.07 0 59 2-9
IDC XII 31 19 35 54.9–1.9 44.94N 106.81W 0 3.8,2.5L ¶621726080
NEIC XII 31 19 35 54.6–2.0 45.17N–.04 106.84W–.06 0–1 3.1L,2.5L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

REGIONAL CATALOGUE OF EVENTS

SEISMIC REGION 1.
Alaska-Aleutian Arc.

(1) Central Alaska.

ISC	**VII**	**01 04 47 42.8–1.2**	**62.98N–.02**	**149.32W–.03**	**68–7**		**112**	**0-6**	
NEIC	VII	01 04 47 42.3–.63	62.96N–.03	149.33W–.05	72–5	2.5L,2.4L			¶620969470
AEIC	VII	01 04 47 42.3–.65	62.97N–.03	149.30W–.07	71–6	2.5L,2.4L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**01 14 12 50.9–.89**	**62.22N–.02**	**145.68W–.02**	**26–7**		**136**	**0-8**	
NEIC	VII	01 14 12 50.2–2.4	62.24N–.02	145.77W–.03	26–8	3.4L,3.2L			¶620676519
AEIC	VII	01 14 12 51.2–2.7	62.23N–.01	145.68W–.05	24–7	3.4L,3.2L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**01 14 39 26.5–.84**	**63.86N–.03**	**148.84W–.03**	**115–6**	**3.4b**	**162**	**0-63**	
IDC	VII	01 14 39 23.9–1.4	63.85N	149.46W	88–14	3.4,3.0b			¶620676521
NEIC	VII	01 14 39 26.5–.42	63.86N–.03	148.82W–.07	113–6	3.4L,3.2L			
AEIC	VII	01 14 39 26.7–.42	63.85N–.04	148.83W–.09	111–5	3.4L,3.2L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**01 19 58 11.3–1.2**	**62.23N–.02**	**145.69W–.02**	**16–10**		**173**	**0-8**	
AEIC	VII	01 19 58 12.8–2.3	62.22N–.02	145.66W–.03	24–6				¶620682303
NEIC	VII	01 19 58 12.1–2.1	62.23N–.02	145.69W–.03	17–4	2.9L,2.8L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**03 12 00 32.6–1.2**	**62.09N–.02**	**149.78W–.02**	**45–12**		**170**	**0-7**	
NEIC	VII	03 12 00 32.2–.86	62.09N–.03	149.77W–.05	50–8	3.2L,3.0L			¶620733414
AEIC	VII	03 12 00 32.9–.87	62.09N–.03	149.79W–.06	41–8	3.2L,3.0L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**03 12 48 55.9–.86**	**62.82N–.02**	**148.58W–.02**	**4–6**		**147**	**0-16**	
AEIC	VII	03 12 48 55.2–1.8	62.83N–.01	148.58W–.04	10–0				¶620733416
NEIC	VII	03 12 48 56.5–1.2	62.83N–.01	148.58W–.04	5–1	2.9L,2.8L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VII**	**04 03 37 18.7–1.2**	**62.77N–.02**	**148.43W–.03**	**56–7**		**103**	**0-6**	
NEIC	VII	04 03 37 18.1–.90	62.75N–.03	148.44W–.04	62–6	2.9L,2.7L			¶620733501
AEIC	VII	04 03 37 18.3–1.1	62.77N–.03	148.42W–.07	57–5	2.9L,2.7L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**05 20 11 06.8–1.3**	**62.53N–.03**	**151.23W–.03**	**90–9**		**156**	**0-8**	
NEIC	VII	05 20 11 06.6–1.6	62.53N–.03	151.27W–.07	95–5	3.6L,3.3L			¶620734233
AEIC	VII	05 20 11 06.9–1.1	62.51N–.03	151.20W–.07	87–4	3.6L,3.3L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**05 22 54 38.4–1.2**	**62.95N–.02**	**148.83W–.03**	**64–6**		**153**	**0-7**	
AEIC	VII	05 22 54 37.9–1.1	62.93N–.03	148.82W–.07	67–5				¶620967562
NEIC	VII	05 22 54 38.2–1.1	62.93N–.03	148.81W–.07	66–6	2.6L,2.4L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VII**	**06 00 39 44.5–1.3**	**62.31N–.03**	**151.18W–.03**	**83–8**		**114**	**0-6**	
NEIC	VII	06 00 39 44.4–.88	62.29N–.03	151.16W–.08	84–6	3.4L,3.1L			¶620734441
AEIC	VII	06 00 39 45.7–1.4	62.30N–.03	151.14W–.07	65–5	3.4L,3.1L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**06 04 14 28.6–1.0**	**63.19N–.03**	**147.67W–.02**	**8–9**		**77**	**0-5**	
NEIC	VII	06 04 14 28.9–.74	63.20N–.03	147.69W–.06	9–9	3.2L,3.1L			¶620734454
AEIC	VII	06 04 14 28.7–1.4	63.17N–.04	147.61W–.04	0–7	3.2L,3.1L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**06 23 24 42.2–3.2**	**62.46N–.02**	**148.24W–.03**	**14–24**		**103**	**1-7**	
NEIC	VII	06 23 24 43.6–.88	62.46N–.02	148.24W–.05	24–10	2.7L,2.6L			¶620967570
AEIC	VII	06 23 24 45.3–.86	62.46N–.02	148.24W–.05	35–10	2.7L,2.6L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**07 00 14 46.2–1.3**	**62.31N–.03**	**151.13W–.03**	**93–9**		**116**	**0-8**	
NEIC	VII	07 00 14 46.4–.91	62.327N–.01	151.18W–.08	89–5	3.1L,2.9L			¶620967596
AEIC	VII	07 00 14 47.1–1.3	62.30N–.03	151.13W–.07	83–5	3.1L,2.9L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**07 06 47 20.9–1.1**	**62.64N–.02**	**150.09W–.03**	**10–11**		**67**	**0-5**	
NEIC	VII	07 06 47 21.0–1.2	62.62N–.01	150.08W–.05	10–2	2.8L,2.8L			¶620967593
AEIC	VII	07 06 47 21.8–2.0	62.68N–.02	150.05W–.05	14–0	2.8L,2.8L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**11 20 37 16.1–.98**	**62.22N–.02**	**150.50W–.02**	**18–5**	**3.6b**	**124**	**0-152**	
IDC	VII	11 20 37 13.2–.69	62.23N	150.78W	0	3.6L,3.5b			¶620928445
NEIC	VII	11 20 37 16.8–.90	62.22N–.02	150.50W–.04	21–5	4.4b,4.1L			
AEIC	VII	11 20 37 17.0–.98	62.23N–.02	150.50W–.04	6–5	4.4b,4.1L			
NEIC	VII	11 20 37 16.9	62.22N	150.49W	22	4.4b,4.1L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=14.3km s-min=10.3km az=121.0.								
NEIC	Event type se. Error ellipse: s-maj=3.2km s-min=2.4km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.63 $M_{\theta\theta}$2.42 $M_{\phi\phi}$-3.06 $M_{r\theta}$-0.57 $M_{\theta\phi}$-5.60 $M_{\phi r}$3.14 NP1:ϕ_s347.95000°,δ87.75000°,λ27.37000°. NP2:ϕ_s256.79000°,δ62.66000° ,λ177.47000°. Principal axes: T 6.7256,Plg21.0000°,Azm216.0000°; N 0.5611,Plg63.0000° ,Azm352.0000°; P -7.2867,Plg17.0000°,Azm119.0000° $M_0$7.02000×10^{14}								
AEIC	Event type se. Error ellipse: s-maj=2.8km s-min=2.4km az=113.0. hypocenter. manual.								
NEIC	Event type se.								
ISC	**VII**	**15 15 43 08.3–1.2**	**63.23N–.03**	**149.54W–.03**	**96–7**		**153**	**0-7**	
NEIC	VII	15 15 43 08.7–.94	63.22N–.03	149.55W–.07	94–3	2.6L,2.3L			¶620967676
AEIC	VII	15 15 43 09.3–.93	63.20N–.03	149.54W–.07	92–4	2.6L,2.3L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**15 20 58 50.5–.81**	**62.62N–.02**	**151.44W–.02**	**10**		**131**	**0-7**	
NEIC	VII	15 20 58 50.5–1.3	62.611N–.01	151.44W–.05	7–8	3.2L,3.0L			¶620831309
AEIC	VII	15 20 58 50.6–1.4	62.61N–.03	151.46W–.06	2–6	3.2L,3.0L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**16 09 44 21.9–1.7**	**62.43N–.02**	**148.49W–.03**	**13–14**		**113**	**1-6**	
AEIC	VII	16 09 44 24.3–1.2	62.39N–.02	148.57W–.05	32–7				¶620967692
NEIC	VII	16 09 44 24.1–.88	62.42N–.03	148.48W–.04	51–13	2.5L,2.3L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NEIC	**VII**	**16 14 10 06.2–.69**	**62.83N–.04**	**150.74W–.08**	**98–7**	**2.9L,2.6L**			
AEIC	VII	16 14 10 06.9–.84	62.83N–.04	150.70W–.08	91–5	2.9L,2.6L			¶620832582
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**17 01 32 03.0–.82**	**62.94N–.02**	**148.37W–.03**	**10**		**78**	**0-5**	
AEIC	VII	17 01 32 03.9–1.5	62.97N–.02	148.48W–.06	5–7				¶620833035
NEIC	VII	17 01 32 03.6–1.4	62.95N–.02	148.36W–.04	10–2	2.8L,2.7L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VII**	**20 01 26 54.2–1.3**	**62.92N–.03**	**149.14W–.03**	**68**		**76**	**1-5**	
NEIC	VII	20 01 26 54.1–.77	62.92N–.03	149.14W–.07	71–10	2.5L,2.3L			¶620967764
AEIC	VII	20 01 26 54.9–.78	62.92N–.01	149.10W–.07	61–8	2.5L,2.3L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**22 05 30 15.8–.94**	**62.91N–.02**	**148.32W–.02**	**12–8**		**101**	**0-8**	
AEIC	VII	22 05 30 15.9–.92	62.94N–.02	148.33W–.06	12–4				¶620844269
NEIC	VII	22 05 30 16.1–.92	62.93N–.02	148.35W–.03	13–4	3.1L,3.0L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VII**	**23 04 20 20.0–.95**	**64.44N–.02**	**146.76W–.02**	**8–6**	**4.5b,4.3s**	**197**	**0-154**	
IDC	VII	23 04 20 18.8–.47	64.48N	146.76W	0	4.2s,4.1L			¶620845253
NEIC	VII	23 04 20 19.0–1.7	64.44N–.03	146.70W–.07	3–4	4.9L,4.7L			
NEIC	VII	23 04 20 19.3	64.44N	146.74W	4	4.9L,4.7L			
AEIC	VII	23 04 20 20.0–2.2	64.46N–.04	146.85W–.07	12–4	4.9L,4.7L			
GFZ	VII	23 04 20 21.5–.22	64N–4.0	147W–3.0	10	4.5b,4.5			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.94 $M_{\theta\theta}$-3.73 $M_{\phi\phi}$4.67 $M_{r\theta}$0.82 $M_{\theta\phi}$3.79 $M_{\phi r}$0.16 NP1:ϕ_s336.30000°,δ80.85000°,λ-175.97000°. NP2:ϕ_s245.66000°,δ86.03000° ,λ-9.17000°. Principal axes: T 6.1537,Plg4.0000°,Azm291.0000°; N -0.8536,Plg80.0000° ,Azm42.0000°; P -5.3001,Plg9.0000°,Azm201.0000° $M_0$5.77000×10^{15}								
NEIC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
ISC	**VII**	**26 05 24 43.7–1.0**	**63.67N–.02**	**150.07W–.02**	**7–11**		**120**	**0-5**	
NEIC	VII	26 05 24 43.3–1.1	63.67N–.01	150.07W–.03	5–2	2.5L,2.4L			¶620846043
AEIC	VII	26 05 24 43.8–1.0	63.69N–.02	150.09W–.03	3–6	2.5L,2.4L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VIII**	**01 13 09 19.1–1.2**	**63.11N–.02**	**149.45W–.02**	**91–6**		**159**	**0-6**	
NEIC	VIII	01 13 09 19.0–.56	63.10N–.02	149.43W–.07	93–5	3.1L,2.9L			¶620925716
AEIC	VIII	01 13 09 19.3–.75	63.11N–.02	149.49W–.07	88–5	3.1L,2.9L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**26 09 10 39.1–.84**	**62.90N–.02**	**143.61W–.02**	**5–5**	**4.1b,3.3s**	**147**	**0-153**	
NEIC	VII	26 09 10 38.4	62.89N	143.56W	1	4.1b,3.3s			¶620846098
AEIC	VII	26 09 10 38.0–2.2	62.89N–.02	143.59W–.05	18–3	4.1b,3.3s			
IDC	VII	26 09 10 38.8–.49	62.93N	143.63W	0	3.9L,3.9b			
NEIC	VII	26 09 10 39.0–1.6	62.87N–.02	143.69W–.04	10–5	4.3L,4.2b			
ISC	Event type se.								
NEIC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.11 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$0.56 $M_{r\theta}$-0.58 $M_{\theta\phi}$1.29 $M_{\phi r}$-0.14 NP1:ϕ_s78.68000°,δ88.59000°,λ-23.62000°. NP2:ϕ_s169.29000°,δ66.39000° ,λ-178.46000°. Principal axes: T 1.5629,Plg15.0000°,Azm126.0000°; N -0.1114,Plg66.0000° ,Azm255.0000°; P -1.4516,Plg17.0000°,Azm31.0000° $M_0$1.51000×10^{15}								
ISC	**VII**	**27 06 55 20.6–1.3**	**63.08N–.03**	**150.79W–.03**	**120–7**		**146**	**0-7**	
NEIC	VII	27 06 55 20.6–.66	63.08N–.03	150.78W–.08	119–2	2.7L,2.5L			¶620847124
AEIC	VII	27 06 55 21.4–.84	63.08N–.03	150.78W–.08	114–5	2.7L,2.5L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**25 09 27 38.4–.60**	**62.68N–.02**	**149.66W–.03**	**21–2**	**3.7b**	**162**	**0-152**	
IDC	VII	25 09 27 35.0–.68	62.73N	150.11W	0	3.6b,3.6			¶620845832
AEIC	VII	25 09 27 37.0–1.5	62.67N–.02	149.65W–.03	26–7	3.6b,3.6			
NEIC	VII	25 09 27 38.7	62.69N	149.68W	20	3.6b,3.6			
NEIC	VII	25 09 27 38.6–1.3	62.67N–.02	149.65W–.03	20–5	3.8L,3.7L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.92 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-2.27 $M_{r\theta}$1.75 $M_{\theta\phi}$-1.17 $M_{\phi r}$1.05 NP1:ϕ_s44.20000°,δ62.52000°,λ105.21000°. NP2:ϕ_s193.69000°,δ31.12000° ,λ63.23000°. Principal axes: T 3.6885,Plg69.0000°,Azm345.0000°; N -0.2942,Plg13.0000° ,Azm217.0000°; P -3.3943,Plg16.0000°,Azm123.0000° $M_0$3.55000×10^{14}								
ISC	**VII**	**27 19 06 34.2–1.1**	**63.50N–.02**	**147.76W–.02**	**6–9**		**185**	**0-7**	
AEIC	VII	27 19 06 34.7–1.1	63.50N–.01	147.78W–.03	2–6				¶620857066
NEIC	VII	27 19 06 34.6–.98	63.50N–.01	147.76W–.03	7–5	3.1L,2.9L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**02 10 51 26.7–.76**	**63.20N–.02**	**151.37W–.02**	**11**		**132**	**0-6**	
NEIC	VIII	02 10 51 26.6–1.5	63.18N–.01	151.34W–.04	7–9	2.8L,2.6L			¶620929081
AEIC	VIII	02 10 51 26.6–1.7	63.20N–.02	151.36W–.08	8–6	2.8L,2.6L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VIII**	**01 10 39 56.8–.82**	**62.79N–.02**	**148.85W–.02**	**15–5**		**138**	**0-5**	
NEIC	VIII	01 10 39 56.7–1.6	62.78N–.01	148.84W–.03	11–2	2.5L,2.3L			¶621072437
AEIC	VIII	01 10 39 57.1–1.7	62.78N–.02	148.87W–.04	15–4	2.5L,2.3L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VIII**	**03 02 49 29.7–.79**	**63.57N–.02**	**150.69W–.02**	**14–5**	**4.0b**	**198**	**0-74**	
IDC	VIII	03 02 49 28.3–.85	63.72N	150.88W	0	3.9b,3.8			¶620930452

NEIC VIII 03 02 49 29.8–1.1 63.57N–.02 150.71W–.03 13–1 3.6L,3.5L
NEIC VIII 03 02 49 29 63.58N 150.71W 13 3.5,3.5L
AEIC VIII 03 02 49 30.1–1.5 63.55N–.02 150.70W–.04 17–2 3.5,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.95000×10^{14}
AEIC Event type se. hypocenter. manual.
ISC VIII 07 09 41 30.8–1.2 62.43N–.02 148.15W–.03 34–2 167 0-6
NEIC VIII 07 09 41 30.5–1.2 62.424N–.01 148.12W–.04 35–2 3.0L,2.8L **¶620976068**
AEIC VIII 07 09 41 31.1–1.2 62.42N–.02 148.14W–.05 29–7 3.0L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 06 01 50 45.6–1.2 62.04N–.03 150.71W–.02 81–7 124 0-6
NEIC VIII 06 01 50 45.7–.64 62.04N–.03 150.68W–.07 80–6 2.8L,2.6L **¶620970711**
AEIC VIII 06 01 50 46.6–.88 62.03N–.03 150.70W–.07 75–5 2.8L,2.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 04 14 06 07.2–1.3 62.90N–.03 151.39W–.03 123–7 176 0-7
NEIC VIII 04 14 06 07.2–.77 62.89N–.03 151.42W–.08 124–5 3.2L,3.0L **¶620968073**
AEIC VIII 04 14 06 07.9–.78 62.89N–.03 151.37W–.08 118–4 3.2L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 11 18 45 08.3–1.1 63.41N–.02 149.94W–.02 2–10 145 0-8
NEIC VIII 11 18 45 08.5–1.4 63.42N–.02 149.95W–.03 1–11 3.3L,3.1L **¶620983082**
AEIC VIII 11 18 45 08.5–1.4 63.42N–.02 149.95W–.03 2–7 3.3L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 10 19 46 46.7–1.1 63.30N–.02 145.26W–.02 5–9 168 0-8
AEIC VIII 10 19 46 46.7–1.9 63.305N–.01 145.25W–.02 1–6 **¶620979709**
NEIC VIII 10 19 46 47.3–2.0 63.30N–.01 145.28W–.03 9–6 3.0L,2.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 07 04 49 37.7–.00 62.34N–.02 148.56W–.02 9–9 103 0-5
NEIC VIII 07 04 49 38.0–1.7 62.33N–.01 148.56W–.03 10–2 2.6L,2.5L **¶620976039**
AEIC VIII 07 04 49 37.8–1.8 62.34N–.01 148.55W–.03 8–7 2.6L,2.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 09 01 47 17.9–1.2 62.72N–.02 149.04W–.03 59–8 152 0-7
NEIC VIII 09 01 47 17.4–.87 62.71N–.03 149.03W–.06 63–6 3.2L,2.9L **¶620976525**
AEIC VIII 09 01 47 17.4–.94 62.72N–.03 149.02W–.06 61–6 3.2L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 10 16 05 50.7–1.2 62.87N–.03 149.78W–.03 85–8 171 0-9
NEIC VIII 10 16 05 50.7–.49 62.86N–.02 149.79W–.05 84–5 3.5L,3.3L **¶620979655**
AEIC VIII 10 16 05 50.8–.89 62.87N–.03 149.82W–.05 78–4 3.5L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 12 01 49 51.9–1.3 63.81N–.03 148.71W–.03 106–8 101 0-4
NEIC VIII 12 01 49 52.0–.64 63.81N–.03 148.72W–.08 107–5 2.7L,2.5L **¶621072562**
AEIC VIII 12 01 49 52.6–.76 63.82N–.03 148.73W–.03 100–5 2.7L,2.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 13 07 17 20.9–1.0 62.65N–.02 149.69W–.02 10–9 176 0-8
NEIC VIII 13 07 17 21.2–1.7 62.64N–.02 149.68W–.01 11–3 3.7L,3.4L **¶620984741**
AEIC VIII 13 07 17 21.1–1.5 62.68N–.01 149.70W–.05 12–4 3.7L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 16 20 34 53.2–1.3 63.22N–.03 150.49W–.03 127–7 160 0-8
NEIC VIII 16 20 34 53.6–.76 63.21N–.04 150.52W–.08 123–5 3.0L,2.8L **¶620990395**
AEIC VIII 16 20 34 54.1–1.0 63.21N–.04 150.53W–.07 118–4 3.0L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 31 07 03 48.6–.72 63.62N–.03 149.80W–.03 125–5 3.5b 181 0-59
IDC VIII 31 07 03 46.1–1.5 63.65N 150.33W 102–13 3.6,3.3b **¶621011422**
NEIC VIII 31 07 03 48.0–.78 63.62N–.04 149.82W–.08 130–3 3.4L,3.2L
AEIC VIII 31 07 03 48.6–.64 63.61N–.04 149.77W–.07 123–5 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 17 12 11 41.3–.98 64.03N–.02 147.39W–.02 13–9 90 1-4
NEIC VIII 17 12 11 41.3–.66 64.03N–.01 147.41W–.03 15–3 2.6L,2.4L **¶620993281**
AEIC VIII 17 12 11 41.6–1.3 64.03N–.01 147.41W–.03 10–5 2.6L,2.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 25 06 11 55.0–.86 63.04N–.01 150.99W–.08 129–5 2.6L,2.3L
AEIC VIII 25 06 11 55.4–.65 63.03N–.03 150.94W–.08 127–4 2.6L,2.3L **¶622451702**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 07 07 55 06.4–1.1 62.26N–.02 148.22W–.02 25–13 118 0-8
NEIC IX 07 07 55 05.5–1.7 62.26N–.01 148.29W–.01 10–2 2.8L,2.7L **¶621039550**
AEIC IX 07 07 55 07.6–1.4 62.25N–.02 148.28W–.06 19–4 2.8L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 05 13 52 01.7–1.2 62.26N–.03 150.41W–.03 60–8 106 0-6
NEIC IX 05 13 52 01.1–.75 62.25N–.03 150.40W–.07 66–5 2.7L,2.5L **¶621309531**
AEIC IX 05 13 52 02.2–.86 62.25N–.03 150.40W–.06 59–5 2.7L,2.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 14 05 56 37.7–.44 64.42N–.02 146.72W–.02 8–2 5.0b,4.0s 602 0-166
BJI IX 14 05 56 34.5 64.40N 146.80W 8 5.3b,4.8s **¶621072675**
MOS IX 14 05 56 35.8–1.1 64.44N 146.68W 6 5.0b,4.1s
IDC IX 14 05 56 36.1–.38 64.41N 146.88W 0 4.7,4.6b
AEIC IX 14 05 56 36.8–1.4 64.44N–.02 146.74W–.03 4–3 4.7,4.6b
NEIC IX 14 05 56 37.3–1.4 64.42N–.03 146.75W–.04 6–4 5.1L,5.0b
NEIC IX 14 05 56 37.2 64.43N 146.75W 6 5.1L,5.0b
NEIC IX 14 05 56 37.2 64.42N 146.75W 6 5.1L,5.0b
GCMT IX 14 05 56 38.8–.30 64.43N–.02 147.23W–.04 15–1 4.8W,5.0b
GFZ IX 14 05 56 39.3–.15 64N–3.0 147W–3.0 10 5.8b,5.3
NEIC IX 14 05 56 39.7 64.43N 146.75W 12 4.7,5.3
ISC Event type se.

MOS Error ellipse: s-maj=12.4km s-min=4.9km az=93.4.
IDC Error ellipse: s-maj=8.1km s-min=7.5km az=54.0.
AEIC Event type se. Error ellipse: s-maj=2.7km s-min=1.7km az=174.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=1.8km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.30 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$0.71 $M_{r\theta}$0.16 $M_{\theta\phi}$0.58 $M_{\phi r}$-0.31 NP1:ϕ_s149.68000°,δ81.87000°,λ158.50000°. NP2:ϕ_s242.87000°,δ68.73000°,λ8.72000°. Principal axes: T 0.9823,Plg21.0000°,Azm104.0000°; N 0.2480,Plg67.0000°,Azm310.0000°; P -1.2303,Plg9.0000°,Azm198.0000° $M_0$1.13000×10^{16}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109140556A. Moment Tensor Solution. s13,c13; s74,c109; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.35±.10 $M_{\theta\theta}$-1.53±.09; $M_{\phi\phi}$1.18±.08; $M_{r\theta}$-0.62±.26; $M_{\theta\phi}$1.20±.09; $M_{\phi r}$-0.78±.31; Best double couple: NP1:ϕ_s152.00000°,δ64.00000°,λ165.00000°. NP2:ϕ_s249.00000°,δ76.00000°,λ26.00000°. Principal axes: T 2.1410,Plg28.0000°,Azm113.0000°; N -0.1120,Plg61.0000°,Azm274.0000°; P -2.0280,Plg8.0000°,Azm19.0000° $M_0$2.08400×10^{16}
GFZ Error ellipse: s-maj=6.9km s-min=4.5km az=38.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1s2 Moment tensor: Scale 10^{16}Nm; M_{rr}0.34 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$1.07 $M_{r\theta}$-0.08 $M_{\theta\phi}$0.83 $M_{\phi r}$-0.27 NP1:ϕ_s242.83000°,δ79.32000°,λ10.65000°. NP2:ϕ_s150.84000°,δ79.54000°,λ169.14000°. Principal axes: T 1.3941,Plg15.0000°,Azm107.0000°; N 0.2657,Plg75.0000°,Azm287.0000°; P -1.6598,Plg0.0000°,Azm197.0000° $M_0$1.54000×10^{16}
ISC IX 13 03 16 03.4–.83 63.11N–.03 151.65W–.03 160–6 199 0-113
NEIC IX 13 03 16 03.3–1.1 63.10N–.04 151.64W–.08 158–5 3.6b,3.2L **¶621070931**
AEIC IX 13 03 16 04.1–1.1 63.11N–.04 151.63W–.09 154–5 3.6b,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 14 21 51 20.3–1.1 62.23N–.02 145.72W–.02 13–11 119 0-10
NEIC IX 14 21 51 19.8 62.24N 145.73W 5 **¶621073503**
NEIC IX 14 21 51 20.9–1.7 62.24N–.02 145.72W–.03 20–5 3.7L,3.6
AEIC IX 14 21 51 21.7–2.1 62.21N–.02 145.71W–.03 12–2 3.7L,3.6
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.03 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.31 $M_{\theta\phi}$1.67 $M_{\phi r}$2.26 NP1:ϕ_s99.98000°,δ40.14000°,λ37.12000°. NP2:ϕ_s339.94000°,δ67.10000°,λ123.92000°. Principal axes: T 3.5966,Plg55.0000°,Azm293.0000°; N -0.5399,Plg31.0000°,Azm145.0000°; P -3.0566,Plg15.0000°,Azm46.0000° $M_0$3.36000×10^{14}
AEIC Event type se. hypocenter. manual.
ISC X 19 08 06 28.1–.63 62.68N–.03 149.61W–.03 80–5 4.0b 298 0-152
AEIC X 19 08 06 28.0–.59 62.66N–.03 149.59W–.06 74–4 4.0b **¶621211193**
IDC X 19 08 06 27.3–1.9 62.75N 149.85W 75–16 4.1,3.8b
NEIC X 19 08 06 28.2–.70 62.67N–.03 149.62W–.06 77–4 4.2L,4.0b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC X 03 02 48 23.8–1.5 64.45N–.02 146.71W–.03 10–2 3.7L,3.5L
AEIC X 03 02 48 23.7–1.2 64.43N–.02 146.71W–.03 7–7 3.7L,3.5L **¶621117077**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 05 18 24 29.8–1.0 62.27N–.02 141.57W–.02 6–7 3.4b 227 0-59
NEIC X 05 18 24 29 62.24N 141.58W 11 3.7 **¶621125923**
NEIC X 05 18 24 29.1–1.8 62.23N–.02 141.54W–.05 3–7 3.9L,3.7L
AEIC X 05 18 24 30.0–3.4 62.30N–.02 141.05W–.07 18–6 3.9L,3.7L
IDC X 05 18 24 29.6–.87 62.32N 141.68W 0 3.9s,3.6b
PGC X 05 18 24 30.2–.02 62.23N 141.56W 13–0 4.0L,3.9L
ISC Event type ke.
NEIC Event type se. Moment Tensor Solution. $M_0$3.89000×10^{14}
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.3km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=70.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=10.3km az=38.0.
PGC Event type ke. 39km southwest of Beaver Creek, Yt Central Alaska.
ISC X 11 06 18 30.4–.87 63.32N–.02 145.51W–.02 11–6 3.9b 228 0-87
IDC X 11 06 18 29.5–.96 63.35N 145.60W 0 3.7,3.6L **¶621144629**
NEIC X 11 06 18 30.6–.96 63.33N–.01 145.50W–.01 10–1 4.0b,3.7L
AEIC X 11 06 18 30.5–1.1 63.34N–.01 145.51W–.03 5–5 4.0b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 24 06 59 56.3–.82 63.08N–.03 150.63W–.03 122–6 3.5b 185 0-63
IDC IX 24 06 59 54.2–1.6 63.10N 151.01W 98–17 3.5,3.2b **¶621109282**
AEIC IX 24 06 59 56.6–.82 63.10N–.03 150.60W–.08 116–5 3.5,3.2b
NEIC IX 24 06 59 56.1–.79 63.10N–.04 150.63W–.08 124–5 3.3L,3.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC X 04 06 35 31.0–.49 63.20N–.03 150.06W–.02 104–7 2.8L,2.4L
AEIC X 04 06 35 31.4–.87 63.22N–.03 149.99W–.08 100–5 2.8L,2.4L **¶622499498**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 07 13 47 00.0–.52 62.39N–.04 150.62W–.07 72–6 3.2L,2.6L
AEIC X 07 13 47 00.8–1.3 62.41N–.04 150.57W–.06 57–5 3.2L,2.6L **¶621131609**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 15 18 46 39.0–.78 63.26N–.03 150.67W–.03 135–5 3.8b 272 0-63
IDC X 15 18 46 37.8–1.0 63.03N 150.14W 143–22 3.7,3.4b **¶621203278**
NEIC X 15 18 46 39.2–1.0 63.26N–.04 150.67W–.08 136–5 3.4L,3.2L
AEIC X 15 18 46 40.0–.78 63.25N–.03 150.63W–.08 128–5 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 24 03 51 42.8–.91 64.44N–.02 146.73W–.02 6–7 150 0-44
NEIC X 24 03 51 42.8–1.5 64.44N–.02 146.74W–.04 10–2 3.5L,3.3L **¶621238048**
AEIC X 24 03 51 42.7–1.1 64.43N–.02 146.71W–.03 8–6 3.5L,3.3L
IDC X 24 03 51 42.8–1.2 64.42N 146.70W 0 3.7,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=33.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.6km az=213.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.3km s-min=4.6km az=167.0.
ISC X 20 13 31 13.8–.84 62.12N–.02 149.64W–.02 53–7 3.5b 258 0-152
IDC X 20 13 31 12.5–1.6 62.17N 150.07W 50–18 3.5,3.3b **¶621224685**
NEIC X 20 13 31 13.7–.78 62.12N–.02 149.63W–.05 56–4 3.7b,3.7L
AEIC X 20 13 31 14.7–.95 62.13N–.02 149.68W–.05 46–6 3.7b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 21 18 44 34.1–.57 62.96N–.03 148.34W–.03 75–5 4.6b 406 0-153
IDC X 21 18 44 30.3–1.7 63.11N 148.54W 35–14 4.3,4.2L **¶621235440**
GFZ X 21 18 44 34.2–.61 63N–4.0 149W–6.0 74–6 4.9L,4.8b
NEIC X 21 18 44 34.3–1.3 62.93N–.02 148.29W–.06 77–4 4.6L,4.4L
NEIC X 21 18 44 34.5 62.96N 148.32W 72 4.6L,4.4L
AEIC X 21 18 44 34.4–1.3 62.93N–.03 148.32W–.07 72–3 4.6L,4.4L

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.84 $M_{\theta\theta}$-0.42 $M_{\phi\phi}$2.26 $M_{r\theta}$-1.78 $M_{\theta\phi}$2.02 $M_{\phi r}$0.07 NP1:ϕ_s61.60000°,δ65.36000°,λ-45.02000°. NP2:ϕ_s174.25000°,δ49.99000°,λ-147.02000°. Principal axes: T 3.4687,Plg9.0000°,Azm121.0000°; N -0.1362,Plg40.0000°,Azm219.0000°; P -3.3325,Plg49.0000°,Azm21.0000° $M_0$3.40000×10^{15}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.

ISC	**XI**	**05 22 12 37.9–.84**	**64.41N–.02**	**147.51W–.02**	**15–7**			**193**	**0-6**	
NEIC	XI	05 22 12 38.3–.96	64.41N–.01	147.48W–.02	10–2	3.5L,3.1L		**¶621370586**		
AEIC	XI	05 22 12 38.4–1.3	64.40N–.01	147.52W–.03	8–6	3.5L,3.1L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

NEIC	**X**	**28 23 44 38.6–.56**	**63.756N–.00**	**149.30W–.08**	**117–5**	**2.8L,2.6L**				
AEIC	X	28 23 44 38.9–.61	63.75N–.04	149.29W–.08	116–5	2.8L,2.6L		**¶621243327**		

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

NEIC	**XI**	**01 16 31 25.7–.90**	**63.46N–.01**	**147.55W–.02**	**5–8**	**2.7L,2.4L**				
AEIC	XI	01 16 31 26.2–1.5	63.41N–.02	147.59W–.03	17–4	2.7L,2.4L		**¶622506103**		

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**XI**	**05 22 12 51.2–.97**	**64.41N–.02**	**147.43W–.02**	**7–6**	**4.0b,3.4s**		**147**	**0-83**	
AEIC	XI	05 22 12 50.7–3.0	64.37N–.04	147.44W–.09	8–4	4.0b,3.4s		**¶622506147**		
IDC	XI	05 22 12 51.0–.75	64.38N	147.42W	0	3.8,3.7L				
NEIC	XI	05 22 12 51.5	64.45N	147.41W	4	3.8,3.7L				
NEIC	XI	05 22 12 52.1–1.6	64.46N–.04	147.40W–.04	10–1	4.2b,4.2L				

ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.27 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$1.64 $M_{r\theta}$0.18 $M_{\theta\phi}$0.10 $M_{\phi r}$0.18 NP1:ϕ_s226.66000°,δ87.85000°,λ-9.96000°. NP2:ϕ_s317.03000°,δ80.05000°,λ-177.82000°. Principal axes: T 1.6640,Plg5.0000°,Azm272.0000°; N -0.2576,Plg80.0000°,Azm35.0000°; P -1.4064,Plg9.0000°,Azm181.0000° $M_0$1.55000×10^{15}

ISC	**XII**	**10 17 54 23.2–1.0**	**62.55N–.02**	**151.02W–.02**	**100–6**			**195**	**0-31**	
IDC	XII	10 17 54 18.0–1.8	62.52N	151.41W	0	4.0b,3.4		**¶621644140**		
AEIC	XII	10 17 54 23.9–1.4	62.56N–.03	151.02W–.07	88–6	4.0b,3.4				
NEIC	XII	10 17 54 23.0–1.5	62.56N–.03	151.03W–.08	101–6	2.7L,2.5L				

ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC	**XI**	**30 17 30 59.4–1.2**	**62.43N–.01**	**148.90W–.05**	**50–7**	**3.6L,3.3L**				
AEIC	XI	30 17 30 60.0–.88	62.45N–.02	148.88W–.05	45–6	3.6L,3.3L		**¶621532553**		

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**XI**	**22 05 27 57.3–1.0**	**63.03N–.02**	**151.54W–.02**	**9–6**	**4.4b,3.2s**		**297**	**0-153**	
IDC	XI	22 05 27 56.3–.54	63.07N	151.70W	0	4.0b,4.0		**¶621428042**		
NEIC	XI	22 05 27 57.4–1.0	63.02N–.02	151.57W–.06	12–3	4.5b,4.3L				
AEIC	XI	22 05 27 58.0–1.2	63.03N–.02	151.57W–.03	14–3	4.5b,4.3L				
NEIC	XI	22 05 27 57.4	63.01N	151.61W	10	4.5b,4.3L				

ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=10.0km az=149.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$0.10 $M_{\phi\phi}$-1.19 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.57 $M_{\phi r}$-0.27 NP1:ϕ_s45.06000°,δ48.67000°,λ126.61000°. NP2:ϕ_s176.70000°,δ52.93000°,λ55.86000°. Principal axes: T 1.3476,Plg63.0000°,Azm25.0000°; N 0.0656,Plg27.0000°,Azm199.0000°; P -1.4132,Plg2.0000°,Azm290.0000° $M_0$1.38000×10^{15}
AEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.1km az=203.0. hypocenter. manual.
NEIC Event type se.

ISC	**XII**	**08 12 06 39.4–.67**	**62.30N–.03**	**150.91W–.03**	**74–6**	**4.0b**		**261**	**0-152**	
IDC	XII	08 12 06 29.6–.69	62.22N	151.80W	0	4.0s,3.7b		**¶621622037**		
NEIC	XII	08 12 06 39.5–1.5	62.29N–.03	150.92W–.06	73–5	4.2b,3.9L				
AEIC	XII	08 12 06 40.5–1.4	62.28N–.02	150.86W–.06	64–5	4.2b,3.9L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**XII**	**11 08 45 17.3–.92**	**63.35N–.02**	**145.38W–.02**	**13–8**			**181**	**0-9**	
NEIC	XII	11 08 45 17.4–2.0	63.34N–.01	145.38W–.03	10–3	3.6L,3.4L		**¶621627328**		
AEIC	XII	11 08 45 17.2–1.8	63.35N–.01	145.39W–.03	7–3	3.6L,3.4L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

NEIC	**XII**	**15 00 48 12.6–1.7**	**63.32N–.01**	**145.38W–.03**	**5–9**	**2.7L,2.5L**				
AEIC	XII	15 00 48 12.9–1.6	63.33N–.01	145.40W–.04	8–7	2.7L,2.5L		**¶621630193**		

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**XII**	**28 23 21 08.0–1.0**	**62.65N–.02**	**143.40W–.02**	**7–9**			**161**	**0-10**	
NEIC	XII	28 23 21 08.0–1.4	62.65N–.01	143.39W–.03	5–2	3.5L,3.4L		**¶621656477**		
AEIC	XII	28 23 21 08.2–1.2	62.67N–.01	143.40W–.02	4–6	3.5L,3.4L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(2) Southern Alaska.

NEIC	**VII**	**02 20 22 54.7–1.2**	**61.58N–.03**	**150.92W–.05**	**65–7**	**2.6L,2.3L**				
AEIC	VII	02 20 22 55.8–1.5	61.56N–.03	150.92W–.05	56–7	2.6L,2.3L		**¶622448460**		

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VII**	**05 19 40 57.2–1.4**	**61.58N–.02**	**147.19W–.02**	**17–11**			**140**	**0-9**	
NEIC	VII	05 19 40 58.8–1.1	61.55N–.02	147.18W–.04	34–9	3.1L,2.9L		**¶620734232**		
AEIC	VII	05 19 40 58.9–.83	61.55N–.03	147.19W–.02	18–4	3.1L,2.9L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VII**	**07 08 19 06.5–1.0**	**61.39N–.03**	**146.66W–.03**	**31**			**73**	**0-7**	
AEIC	VII	07 08 19 05.7–1.5	61.38N–.02	146.71W–.07	12–7			**¶620967592**		
NEIC	VII	07 08 19 06.2–1.5	61.37N–.03	146.67W–.06	23–1	3.3L,3.3L				

ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**07 20 31 25.1–.84**	**60.90N–.02**	**146.36W–.02**	**29–7**	**3.7b,3.2s**		**165**	**0-87**	
IDC	VII	07 20 31 22.7–1.1	61.05N	147.05W	0	3.6L,3.6b		**¶620928140**		
NEIC	VII	07 20 31 25.5–1.2	60.92N–.02	146.35W–.03	25–5	4.0b,3.9L				
AEIC	VII	07 20 31 25.6–1.4	60.91N–.02	146.34W–.03	7–5	4.0b,3.9L				
NEIC	VII	07 20 31 25.2	60.93N	146.36W	22	4.0b,3.9L				

ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=10.9km az=124.0.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=0.7km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-2.94 $M_{\theta\theta}$-2.22 $M_{\phi\phi}$5.16 $M_{r\theta}$3.19 $M_{\theta\phi}$2.02 $M_{\phi r}$0.37 NP1:ϕ_s229.18000°,δ65.93000°,λ-42.41000°. NP2:ϕ_s339.61000°,δ52.00000°,λ-148.82000°. Principal axes: T 5.8441,Plg8.0000°,Azm287.0000°; N 0.0481,Plg42.0000°,Azm25.0000°; P -5.8922,Plg46.0000°,Azm188.0000° $M_0$5.87000×10^{14}
AEIC Event type se. Error ellipse: s-maj=2.3km s-min=1.9km az=183.0. hypocenter. manual.
NEIC Event type se.

ISC	**VII**	**08 11 38 35.3–.78**	**60.54N–.04**	**152.94W–.04**	**141–6**	**3.2b**		**88**	**0-58**	
IDC	VII	08 11 38 29.4–2.1	60.69N	153.96W	104–16	4.0s,3.6		**¶620928183**		
NEIC	VII	08 11 38 35.1–1.1	60.56N–.04	152.96W–.09	140–8	3.2L,2.8L				
AEIC	VII	08 11 38 36.0–1.3	60.59N–.03	152.94W–.08	130–6	3.2L,2.8L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VII**	**09 01 29 35.0–.97**	**60.29N–.03**	**152.30W–.03**	**92–6**			**80**	**0-45**	
IDC	VII	09 01 29 33.7–3.0	60.35N	152.39W	76–29	3.2,2.8b		**¶620928215**		
NEIC	VII	09 01 29 35.6–.81	60.29N–.03	152.31W–.03	88–5	2.9L,2.9L				
AEIC	VII	09 01 29 36.4–1.0	60.33N–.03	152.32W–.07	86–5	2.9L,2.9L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VII**	**20 06 37 26.7–.83**	**59.83N–.05**	**153.52W–.05**	**140–6**			**136**	**0-23**	
NEIC	VII	20 06 37 26.8–1.4	59.85N–.04	153.58W–.04	141–4	3.7b,3.3L		**¶620834140**		
AEIC	VII	20 06 37 27.9–1.5	59.84N–.04	153.49W–.08	140–2	3.7b,3.3L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VII**	**20 20 50 24.0–1.5**	**61.28N–.02**	**147.36W–.02**	**20–5**			**156**	**0-9**	
AEIC	VII	20 20 50 24.2–1.3	61.29N–.02	147.40W–.02	12–4			**¶620838899**		
NEIC	VII	20 20 50 24.3–1.3	61.26N–.01	147.36W–.04	19–6	2.7L,2.6L				

ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**21 15 12 13.4–.76**	**61.44N–.03**	**150.04W–.03**	**48–6**	**3.8b**		**134**	**0-68**	
IDC	VII	21 15 12 14.1–2.1	61.40N	149.91W	67–24	3.6,3.5b		**¶620842804**		
NEIC	VII	21 15 12 14.2–1.0	61.44N–.03	150.00W–.05	44–5	3.6L,3.3L				
AEIC	VII	21 15 12 15.0–1.1	61.41N–.03	150.01W–.05	37–6	3.6L,3.3L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VII**	**24 08 06 57.1–1.6**	**61.36N–.03**	**149.98W–.03**	**36–1**			**97**	**0-7**	
NEIC	VII	24 08 06 56.8–1.2	61.39N–.02	149.96W–.04	35–2	2.8L,2.8L		**¶620845602**		
AEIC	VII	24 08 06 57.2–1.0	61.35N–.03	150.02W–.02	36–9	2.8L,2.8L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

NEIC	**VII**	**26 12 23 25.2–1.4**	**60.34N–.03**	**152.46W–.07**	**91–2**	**3.0L,2.9L**				
AEIC	VII	26 12 23 26.1–1.1	60.30N–.03	152.38W–.06	88–5	3.0L,2.9L		**¶620846774**		

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VII**	**31 13 40 34.3–.78**	**61.89N–.03**	**151.09W–.02**	**88–6**	**3.6b**		**181**	**0-64**	
IDC	VII	31 13 40 30.9–1.7	61.92N	151.53W	52–18	3.5,3.4b		**¶620968053**		
NEIC	VII	31 13 40 33.9–.63	61.89N–.03	151.08W–.08	87–3	3.4L,3.2L				
AEIC	VII	31 13 40 35.1–.88	61.89N–.03	151.05W–.08	80–6	3.4L,3.2L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VII**	**27 18 31 53.3–.95**	**60.23N–.02**	**143.46W–.02**	**5–8**			**105**	**0-7**	
AEIC	VII	27 18 31 53.3–1.8	60.21N–.03	143.45W–.03	1–7			**¶620967992**		
NEIC	VII	27 18 31 53.4–1.8	60.23N–.03	143.51W–.03	6–7	2.5L,2.4L				

ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC	**VIII**	**02 09 15 47.1–2.8**	**61.17N–.02**	**152.29W–.07**	**10–1**	**2.6L,2.4L**				
AEIC	VIII	02 09 15 45.5–3.5	61.16N–.04	152.24W–.06	12–5	2.6L,2.4L		**¶620929080**		

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VII**	**31 10 06 59.9–1.2**	**61.97N–.02**	**150.00W–.02**	**42**			**132**	**0-7**	
NEIC	VII	31 10 06 59.4–.90	61.96N–.01	149.99W–.04	34–9	2.5L,2.3L		**¶620968060**		
AEIC	VII	31 10 07 00.1–.78	61.97N–.03	149.97W–.05	39–3	2.5L,2.3L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VIII**	**01 16 47 36.7–.74**	**61.59N–.02**	**146.14W–.02**	**32**			**191**	**0-29**	
IDC	VIII	01 16 47 30.2–3.1	61.41N	146.48W	0	3.5b,3.4		**¶620925728**		
NEIC	VIII	01 16 47 37.6	61.58N	146.13W	35	3.5b,3.4				
NEIC	VIII	01 16 47 37.5–1.3	61.59N–.02	146.11W–.05	39–9	3.6,3.6L				
AEIC	VIII	01 16 47 38.2–1.1	61.61N–.02	146.14W–.05	26–6	3.6,3.6L				

ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.21 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$1.69 $M_{r\theta}$1.40 $M_{\theta\phi}$0.14 $M_{\phi r}$1.63 NP1:ϕ_s313.81000°,δ40.34000°,λ175.13000°. NP2:ϕ_s47.53000°,δ86.85000°,λ49.76000°. Principal axes: T 2.9086,Plg35.0000°,Azm283.0000°; N -0.2183,Plg40.0000°,Azm50.0000°; P -2.6903,Plg30.0000°,Azm169.0000° $M_0$2.81000×10^{14}
AEIC Event type se. hypocenter. manual.

ISC	**VIII**	**03 09 18 38.3–.58**	**59.89N–.03**	**152.50W–.03**	**89–5**	**3.9b**		**278**	**0-68**	
IDC	VIII	03 09 18 36.1–1.4	59.91N	152.67W	63–16	3.9,3.6s		**¶620930505**		
NEIC	VIII	03 09 18 38.0–.83	59.88N–.03	152.53W–.06	89–3	4.1b,3.7L				
AEIC	VIII	03 09 18 39.2–1.4	59.86N–.02	152.46W–.05	81–4	4.1b,3.7L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VIII**	**12 06 13 58.2–.59**	**61.88N–.02**	**150.56W–.02**	**65–5**	**4.4b**		**322**	**0-152**	
IDC	VIII	12 06 13 58.0–1.3	61.96N	150.70W	64–12	4.1,3.9b		**¶620983379**		
NEIC	VIII	12 06 13 58.4	61.89N	150.56W	64	4.1,3.9b				
NEIC	VIII	12 06 13 58.5–.83	61.87N–.03	150.56W–.05	62–3	4.5L,4.3L				
AEIC	VIII	12 06 13 59.1–.93	61.87N–.01	150.55W–.05	60–5	4.5L,4.3L				

ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.53 $M_{\theta\theta}$-1.64 $M_{\phi\phi}$2.18 $M_{r\theta}$-1.12 $M_{\theta\phi}$1.40 $M_{\phi r}$1.21 NP1:ϕ_s59.23000°,δ56.35000°,λ-12.86000°. NP2:ϕ_s156.44000°,δ79.32000°,λ-145.68000°. Principal axes: T 2.8536,Plg15.0000°,Azm284.0000°; N 0.1367,Plg54.0000°,Azm172.0000°; P -2.9903,Plg32.0000°,Azm23.0000° $M_0$2.92000×10^{15}
AEIC Event type se. hypocenter. manual.

ISC	**VIII**	**06 03 36 12.5–.61**	**60.24N–.04**	**153.57W–.04**	**178–5**	**4.1b**		**195**	**0-64**	
IDC	VIII	06 03 36 09.5–1.1	60.32N	153.95W	144–11	4.1,3.6b		**¶620970715**		
NEIC	VIII	06 03 36 12.1–1.4	60.24N–.05	153.64W–.09	179–4	4.2b,3.9L				
AEIC	VIII	06 03 36 12.3–1.4	60.22N–.05	153.55W–.09	184–4	4.2b,3.9L				

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**VIII**	**09 05 32 50.5–.67**	**61.86N–.03**	**150.58W–.02**	**67–6**	**4.0b**		**223**	**0-70**	
IDC	VIII	09 05 32 42.5–1.1	62.00N	151.57W	0	3.8b,3.7		**¶620976535**		
NEIC	VIII	09 05 32 50.3–.97	61.87N–.02	150.59W–.06	67–4	4.1b,4.0L				
NEIC	VIII	09 05 32 50.3	61.87N	150.59W	66	4.1b,4.0L				
AEIC	VIII	09 05 32 51.3–1.0	61.86N–.03	150.56W–.06	60–5	4.1b,4.0L				

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.28 $M_{\theta\theta}$-4.00 $M_{\phi\phi}$3.72 $M_{r\theta}$-3.05 $M_{\theta\phi}$-2.43 $M_{\phi r}$2.89 NP1:ϕ_s32.72000°,δ48.92000°,λ5.74000°. NP2:ϕ_s298.94000°,δ85.67000°,λ138.78000°. Principal axes: T 6.6251,Plg31.0000°,Azm247.0000°; N -0.9581,Plg49.0000°,Azm114.0000°; P -5.6669,Plg24.0000°,Azm353.0000° $M_0$6.20000×10^{14}

NEIC Event type se.

AEIC Event type se. hypocenter. manual.

ISC VIII 03 12 22 31.6–1.0 61.45N–.02 147.61W–.02 13–9 188 0-7

PGC VIII 03 12 22 32.2–.14 61.54N 147.41W 1 3.3L **¶620961696**

NEIC VIII 03 12 22 32.3–1.4 61.44N–.02 147.61W–.03 27–10 3.0L,2.9L

AEIC VIII 03 12 22 33.1–1.5 61.451N–.01 147.63W–.03 14–6 3.0L,2.9L

ISC Event type ke.

PGC Event type ke. 78km northwest of Valdez, Ak Southern Alaska.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

NEIC VIII 12 18 15 18.2–1.2 61.50N–.03 150.65W–.05 63–7 2.5L,2.3L

AEIC VIII 12 18 15 18.9–1.0 61.47N–.03 150.65W–.05 63–6 2.5L,2.3L **¶622451432**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC VIII 19 19 20 51.4–1.0 61.03N–.02 146.56W–.02 21–2 121 0-7

NEIC VIII 19 19 20 50.6–1.3 61.04N–.02 146.58W–.02 10–8 2.8L,2.6L **¶620997420**

AEIC VIII 19 19 20 50.6–1.4 61.04N–.02 146.57W–.02 11–6 2.8L,2.6L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC VIII 14 10 35 14.6–.60 59.97N–.03 153.40W–.04 152–5 4.0b 222 0-83

IDC VIII 14 10 35 12.8–1.4 60.04N 153.57W 124–23 4.3,3.8b **¶620986695**

NEIC VIII 14 10 35 14.5–.96 60.01N–.04 153.50W–.08 151–4 4.0L,3.9b

AEIC VIII 14 10 35 15.6–1.1 59.98N–.04 153.46W–.08 149–1 4.0L,3.9b

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC VIII 20 01 48 14.9–1.1 61.59N–.02 141.35W–.02 1–7 4.3b,3.5s 311 0-151

NEIC VIII 20 01 48 14.9 61.57N 141.29W 1 4.3b,3.5s **¶620997442**

AEIC VIII 20 01 48 15.2–2.3 61.55N–.01 141.31W–.03 6–4 4.3b,3.5s

PGC VIII 20 01 48 15.4–.03 61.59N 141.34W 4–0 4.5L,3.5s

IDC VIII 20 01 48 15.4–.52 61.61N 141.42W 0 4.1b,4.1

NEIC VIII 20 01 48 16.2–2.7 61.56N–.02 141.33W–.04 13–1 4.3b,4.2L

ISC Event type ke.

NEIC Event type se.

AEIC Event type se. hypocenter. manual.

PGC Event type ke. 92km south of Beaver Creek, Yt Southern Alaska.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.95 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$0.23 $M_{r\theta}$-1.49 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.08 NP1:ϕ_s269.82000°,δ72.68000°,λ69.25000°. NP2:ϕ_s141.65000°,δ26.78000°,λ138.64000°. Principal axes: T 1.8158,Plg57.0000°,Azm152.0000°; N 0.2837,Plg20.0000°,Azm276.0000°; P -2.0994,Plg25.0000°,Azm16.0000° $M_0$1.97000×10^{15}

ISC VIII 20 05 39 28.5–1.1 61.58N–.02 141.32W–.02 2–8 238 0-151

IDC VIII 20 05 39 28.2–.86 61.66N 141.35W 0 3.7b,3.7 **¶620998477**

NEIC VIII 20 05 39 28.9 61.56N 141.27W 5 3.7b,3.7

NEIC VIII 20 05 39 29.0–2.1 61.56N–.01 141.318W–.01 6–4 3.6,3.6L

PGC VIII 20 05 39 29.3–.03 61.60N 141.30W 4–0 3.9L,3.6L

AEIC VIII 20 05 39 29.0–2.4 61.54N–.02 141.32W–.04 11–3 3.9L,3.6L

ISC Event type ke.

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}1.91 $M_{\theta\theta}$-1.96 $M_{\phi\phi}$0.04 $M_{r\theta}$-2.88 $M_{\theta\phi}$1.11 $M_{\phi r}$0.17 NP1:ϕ_s135.48000°,δ22.17000°,λ126.76000°. NP2:ϕ_s276.58000°,δ72.40000°,λ76.29000°. Principal axes: T 3.4894,Plg60.0000°,Azm167.0000°; N 0.2953,Plg13.0000°,Azm281.0000°; P -3.7847,Plg26.0000°,Azm17.0000° $M_0$3.65000×10^{14}

PGC Event type ke. 91km south of Beaver Creek, Yt Southern Alaska.

AEIC Event type se. hypocenter. manual.

ISC VIII 27 08 33 47.2–.92 60.18N–.02 146.99W–.02 17–7 4.0b 189 0-66

IDC VIII 27 08 33 45.2–1.1 60.19N 147.10W 0 3.9b,3.7 **¶621008344**

AEIC VIII 27 08 33 48.0–1.3 60.19N–.02 146.98W–.03 8–4 3.9b,3.7

NEIC VIII 27 08 33 47.5–1.1 60.18N–.02 147.00W–.04 21–9 3.5L,3.3L

ISC Event type se.

AEIC Event type se. hypocenter. manual.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 28 08 12 02.1–.95 59.55N–.03 153.01W–.03 106–5 195 0-28

NEIC VIII 28 08 12 02.0–.94 59.55N–.03 153.02W–.06 104–3 3.2L,3.0L **¶621009759**

AEIC VIII 28 08 12 03.3–1.1 59.55N–.02 153.01W–.05 97–3 3.2L,3.0L

IDC VIII 28 08 12 07.1–8.2 60.11N 153.16W 133–86 3.4,3.3b

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.3km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.4km az=49.0. hypocenter. manual.

IDC Error ellipse: s-maj=79.6km s-min=34.3km az=177.0.

NEIC VIII 31 02 20 01.1–1.6 61.48N–.03 160.40W–.06 18–5 4.1b,3.7L

NEIC VIII 31 02 20 00.9 61.47N 160.39W 16 4.1b,3.7L **¶621011405**

AEIC VIII 31 02 20 02.2–1.8 61.47N–.02 160.35W–.05 13–5 4.1b,3.7L

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.09 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-0.45 $M_{r\theta}$0.15 $M_{\theta\phi}$-1.69 $M_{\phi r}$-1.17 NP1:ϕ_s173.99000°,δ88.33000°,λ34.21000°. NP2:ϕ_s82.86000°,δ55.81000°,λ177.98000°. Principal axes: T 2.0852,Plg25.0000°,Azm44.0000°; N 0.0407,Plg56.0000°,Azm176.0000°; P -2.1259,Plg22.0000°,Azm303.0000° $M_0$2.11000×10^{14}

NEIC Event type se.

AEIC Event type se. hypocenter. manual.

ISC VIII 27 16 19 08.9–.77 59.70N–.03 152.08W–.02 64–6 3.8b 204 0-65

NEIC VIII 27 16 19 08.9–1.1 59.67N–.04 152.09W–.04 65–7 3.9L,3.6L **¶621009619**

IDC VIII 27 16 19 09.3–1.5 59.79N 152.17W 66–28 3.7,3.6L

AEIC VIII 27 16 19 09.8–.92 59.70N–.02 152.07W–.05 62–6 3.7,3.6L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC IX 05 12 28 11.4–.61 59.36N–.03 152.38W–.03 81–5 3.8b 257 0-78

IDC IX 05 12 28 09.6–1.2 59.47N 152.58W 59–14 3.8,3.5b **¶621035504**

NEIC IX 05 12 28 10.9–1.0 59.35N–.03 152.40W–.06 85–5 3.8L,3.6L

AEIC IX 05 12 28 12.8–1.6 59.36N–.04 152.37W–.05 68–3 3.8L,3.6L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC IX 05 06 21 25.2–.86 61.57N–.02 149.96W–.02 44–6 3.8b 203 0-151

IDC IX 05 06 21 17.1–1.7 61.43N 149.87W 0 4.1s,3.7b **¶621035480**

NEIC IX 05 06 21 25.8–.95 61.58N–.02 149.96W–.05 42–4 3.3L,3.1L

AEIC IX 05 06 21 26.4–.87 61.57N–.03 149.95W–.05 40–5 3.3L,3.1L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC IX 04 11 55 36.0–1.0 60.78N–.02 147.77W–.02 15–8 4.0b 198 0-65

NEIC IX 04 11 55 37.4–.84 60.83N–.02 147.73W–.03 22–9 3.4L,3.3L **¶621035303**

AEIC IX 04 11 55 37.8–.97 60.80N–.02 147.77W–.02 10–4 3.4L,3.3L

IDC IX 04 11 55 43.1–7.2 61.03N 148.00W 74–52 3.7,3.4L

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=2.5km s-min=2.1km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. Error ellipse: s-maj=2.6km s-min=1.1km az=185.0. hypocenter. manual.

IDC Error ellipse: s-maj=55.2km s-min=39.1km az=39.0.

NEIC IX 06 07 14 00.2–1.2 61.31N–.03 146.82W–.06 29–5 2.7L,2.5L

AEIC IX 06 07 14 01.2–1.4 61.29N–.02 146.83W–.04 28–7 2.7L,2.5L **¶621036064**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC IX 08 00 57 24.5–1.2 61.50N–.03 150.24W–.02 57–7 163 0-8

NEIC IX 08 00 57 24.0–.81 61.51N–.03 150.228W–.01 60–5 3.2L,3.0L **¶621041914**

AEIC IX 08 00 57 24.8–.89 61.50N–.03 150.25W–.05 62–4 3.2L,3.0L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC IX 29 02 58 30.3–.89 60.74N–.02 146.96W–.02 31–7 136 0-5

NEIC IX 29 02 58 30.4–1.1 60.74N–.01 146.95W–.04 29–9 2.7L,2.5L **¶621309684**

AEIC IX 29 02 58 31.2–1.3 60.73N–.02 146.97W–.04 25–4 2.7L,2.5L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC IX 10 01 26 40.2–1.3 61.58N–.02 146.53W–.02 8–11 141 0-7

NEIC IX 10 01 26 41.8–1.7 61.57N–.01 146.52W–.04 24–9 3.4L,3.3L **¶621309578**

AEIC IX 10 01 26 42.5–2.0 61.58N–.01 146.52W–.03 13–5 3.4L,3.3L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC IX 11 16 20 53.9–.79 61.49N–.03 149.95W–.03 42 3.7b 60 0-72

IDC IX 11 16 20 49.5–.96 61.58N 150.80W 0 3.7b,3.7 **¶621070375**

NEIC IX 11 16 20 54.9–.94 61.51N–.02 149.90W–.05 48–9 3.6L,3.4L

AEIC IX 11 16 20 55.8–.87 61.50N–.02 149.91W–.04 37–8 3.6L,3.4L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC IX 21 22 12 07.4–1.0 60.73N–.03 145.90W–.02 21–1 137 0-8

NEIC IX 21 22 12 07.7–1.9 60.76N–.01 145.89W–.05 26–9 3.3L,3.1L **¶621094751**

AEIC IX 21 22 12 08.1–2.7 60.75N–.03 145.91W–.08 10–6 3.3L,3.1L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC X 04 09 52 21.5–2.0 61.20N–.03 149.71W–.02 37–2 90 0-7

NEIC X 04 09 52 21.1–1.1 61.19N–.02 149.72W–.02 35–21 2.9L,2.6L **¶621117579**

AEIC X 04 09 52 21.7–1.2 61.18N–.02 149.70W–.04 37–8 2.9L,2.6L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC X 11 16 28 28.9–.98 61.88N–.02 149.29W–.02 9–8 127 0-6

NEIC X 11 16 28 28.9–1.2 61.886N–.01 149.30W–.03 10–1 3.0L,2.8L **¶621145554**

AEIC X 11 16 28 28.8–1.4 61.879N–.01 149.27W–.02 6–5 3.0L,2.8L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC X 04 05 30 38.0–.90 59.81N–.04 153.05W–.03 104–6 3.9b 69 0-62

IDC X 04 05 30 36.7–5.9 59.98N 153.27W 75–52 3.9,3.7b **¶621117534**

NEIC X 04 05 30 38.1–.77 59.81N–.04 153.08W–.07 103–4 3.4L,2.7L

AEIC X 04 05 30 38.8–.66 59.81N–.04 153.06W–.03 94–5 3.4L,2.7L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC X 30 14 49 20.8–.94 60.54N–.02 147.00W–.02 34–2 3.8b 168 0-150

IDC X 30 14 49 16.7–.97 60.71N 147.20W 0 3.8b,3.7 **¶621244499**

NEIC X 30 14 49 21.4–1.2 60.59N–.02 146.95W–.04 27–2 3.5L,3.4L

AEIC X 30 14 49 22.1–1.5 60.54N–.03 146.98W–.04 20–7 3.5L,3.4L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC X 29 21 23 17.4–.78 59.92N–.03 153.05W–.03 122–5 3.8b 175 0-64

IDC X 29 21 23 16.0–1.9 59.95N 153.36W 98–30 3.9,3.5b **¶621244298**

NEIC X 29 21 23 17.1–.94 59.91N–.04 153.06W–.07 124–3 3.4L,3.2L

AEIC X 29 21 23 18.4–.88 59.92N–.02 153.02W–.07 119–3 3.4L,3.2L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC X 14 01 13 35.9–.74 59.05N–.03 154.04W–.04 118–5 4.2b 194 0-71

IDC X 14 01 13 34.0–1.8 59.08N 154.55W 91–22 4.1,3.7b **¶621148698**

NEIC X 14 01 13 36.2–.72 59.04N–.02 154.05W–.06 111–5 3.6L,3.5L

AEIC X 14 01 13 37.4–.93 59.04N–.03 154.05W–.06 106–4 3.6L,3.5L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC X 14 20 16 46.8–.97 61.97N–.02 150.02W–.02 32–8 169 0-7

NEIC X 14 20 16 47.1–.69 61.98N–.02 150.02W–.04 35–2 3.2L,3.0L **¶621196190**

AEIC X 14 20 16 47.6–.88 61.98N–.02 150.02W–.05 28–7 3.2L,3.0L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC X 26 07 33 51.0–.58 60.09N–.03 153.57W–.04 168–5 4.0b 235 0-150

IDC X 26 07 33 48.5–.99 60.17N 153.90W 139–12 4.1,3.7b **¶621239349**

NEIC X 26 07 33 51.0–1.2 60.11N–.04 153.63W–.08 168–4 4.2b,3.9L

AEIC X 26 07 33 51.6–1.2 60.08N–.04 153.52W–.08 168–3 4.2b,3.9L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC X 26 20 50 56.5–.88 60.86N–.03 147.46W–.02 29–7 193 0-9

NEIC X 26 20 50 56.4–1.2 60.87N–.01 147.46W–.03 26–8 2.8L,2.7L **¶621241084**

AEIC X 26 20 50 57.5–1.4 60.85N–.01 147.47W–.02 19–2 2.8L,2.7L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC X 29 13 27 52.6–1.0 61.48N–.02 146.52W–.02 29–11 122 0-6

NEIC X 29 13 27 53.1–1.0 61.47N–.01 146.52W–.04 32–9 2.9L,2.7L **¶621244117**

AEIC X 29 13 27 53.9–1.1 61.48N–.01 146.52W–.04 26–7 2.9L,2.7L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC XI 04 06 27 41.0–.73 59.69N–.03 153.37W–.03 126–5 4.1b 234 0-149

IDC XI 04 06 27 38.1–1.5 59.78N 153.68W 86–21 4.0,3.7b **¶621261766**

NEIC XI 04 06 27 41.3–.73 59.70N–.02 153.39W–.07 122–3 3.6L,3.3L

AEIC XI 04 06 27 42.3–.74 59.71N–.03 153.41W–.07 118–3 3.6L,3.3L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC XI 10 23 32 25.6–1.2 61.26N–.02 150.42W–.02 50–7 224 0-8

NEIC XI 10 23 32 25.2–1.0 61.26N–.03 150.43W–.04 53–7 3.3L,3.1L **¶621392738**

AEIC XI 10 23 32 26.0–1.0 61.27N–.03 150.44W–.04 49–6 3.3L,3.1L

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.
ISC XI 09 02 00 42.7–.95 61.68N–.02 150.29W–.01 12–8 192 0-8
NEIC XI 09 02 00 42.8 61.68N 150.28W 8 **¶621385040**
NEIC XI 09 02 00 43.3–1.7 61.68N–.02 150.28W–.03 15–4 3.6L,3.5
AEIC XI 09 02 00 43.4–2.0 61.68N–.02 150.29W–.03 18–3 3.6L,3.5
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}1.28 $M_{\theta\theta}$0.67 $M_{\phi\phi}$-1.95 $M_{r\theta}$1.01 $M_{\theta\phi}$0.32 $M_{\phi r}$0.54 NP1:ϕ_s142.13000°,δ48.49000°,λ38.29000°. NP2:ϕ_s24.50000°,δ62.35000°,λ131.56000°. Principal axes: T 2.1280,Plg53.0000°,Azm345.0000°; N -0.0818,Plg36.0000°,Azm182.0000°; P -2.0462,Plg8.0000°,Azm86.0000° $M_0$2.09000×10^{14}
AEIC Event type se. hypocenter. manual.
ISC XI 05 08 29 53.5–.72 60.07N–.03 152.89W–.03 129–5 3.8b 261 0-64
IDC XI 05 08 29 51.7–1.5 60.14N 153.12W 98–25 3.8,3.4b **¶621361575**
NEIC XI 05 08 29 53.3–.97 60.08N–.03 152.94W–.06 127–2 3.5L,3.2L
AEIC XI 05 08 29 54.4–.97 60.08N–.03 152.92W–.07 123–1 3.5L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XI 06 14 50 30.0–.85 60.37N–.03 152.36W–.09 86–5 3.0L,2.6L
AEIC XI 06 14 50 30.7–.88 60.36N–.04 152.40W–.08 84–4 3.0L,2.6L **¶621370945**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XI 06 14 51 02.6–.62 60.37N–.03 152.44W–.09 87–2 2.9L,2.6L
AEIC XI 06 14 51 03.2–.57 60.36N–.03 152.42W–.09 85–4 2.9L,2.6L **¶622506156**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 05 11 27 19.3–.86 60.27N–.02 143.24W–.02 6–6 120 0-7
NEIC XII 05 11 27 19.7–1.6 60.26N–.04 143.19W–.04 16–2 3.0L,2.9L **¶621612712**
AEIC XII 05 11 27 19.6–1.6 60.28N–.05 143.24W–.03 1–6 3.0L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 12 00 06 52.9–1.1 61.53N–.02 146.44W–.02 15–9 158 0-8
NEIC XI 12 00 06 54.4–1.2 61.54N–.02 146.46W–.05 31–9 2.9L,2.7L **¶621399229**
AEIC XI 12 00 06 55.7–1.6 61.53N–.02 146.48W–.05 27–7 2.9L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 11 18 58 49.6–.53 59.64N–.03 153.11W–.03 119–4 4.2b 245 0-149
IDC XI 11 18 58 47.8–1.2 59.69N 153.42W 95–14 4.2,3.8b **¶621395295**
NEIC XI 11 18 58 49.4–1.1 59.65N–.04 153.12W–.07 116–3 4.3b,4.1L
AEIC XI 11 18 58 50.9–2.0 59.64N–.03 153.12W–.05 109–2 4.3b,4.1L
NEIC XI 11 18 58 50 59.64N 153.12W 126 4.1,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=12.2km az=35.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.9km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=169.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.60000×10^{15}
ISC XI 16 00 09 20.4–1.0 61.68N–.02 150.69W–.02 6–7 3.7b 179 0-151
IDC XI 16 00 09 19.5–.83 61.76N 151.21W 0 3.6b,3.5 **¶621409291**
AEIC XI 16 00 09 20.5–1.3 61.688N–.01 150.70W–.02 6–4 3.6b,3.5
NEIC XI 16 00 09 20.5–1.2 61.681N–.00 150.70W–.02 5–1 3.6L,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 02 16 26.3–.91 61.22N–.02 146.81W–.02 27–8 164 0-7
NEIC XI 26 02 16 26.1–1.6 61.25N–.01 146.82W–.04 24–9 3.0L,2.8L **¶621469745**
AEIC XI 26 02 16 26.7–1.4 61.23N–.01 146.80W–.03 15–5 3.0L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 16 14 02 45.3–1.1 59.64N–.03 153.60W–.04 146–7 194 0-9
NEIC XI 16 14 02 45.6–.95 59.66N–.04 153.60W–.08 147–4 3.5L,3.4L **¶621412335**
AEIC XI 16 14 02 47.3–.99 59.65N–.04 153.59W–.07 137–4 3.5L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 17 11 01 45.9–.76 61.00N–.02 149.54W–.02 32–5 3.2b 194 0-65
NEIC XII 17 11 01 45.8–.99 61.03N–.03 149.51W–.05 32–9 3.8L,3.5L **¶621631589**
AEIC XII 17 11 01 46.5–1.2 61.01N–.02 149.56W–.05 28–7 3.8L,3.5L
IDC XII 17 11 01 47.4–1.5 60.99N 150.10W 59–18 3.5,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=3.5km s-min=3.0km az=106.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.2km s-min=9.9km az=108.0.
ISC XII 09 14 21 39.0–.66 59.60N–.03 153.40W–.03 126–5 4.0b 229 0-149
IDC XII 09 14 21 37.7–1.3 59.65N 153.54W 103–18 4.5s,3.9 **¶621625211**
NEIC XII 09 14 21 39.0–.88 59.60N–.04 153.47W–.08 125–4 3.7L,3.5L
AEIC XII 09 14 21 40.1–.80 59.60N–.04 153.41W–.08 120–4 3.7L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XII 11 18 46 27.6–.96 59.07N–.03 152.88W–.07 88–4 3.6L,3.4L
AEIC XII 11 18 46 29.1–1.3 59.08N–.03 152.91W–.07 81–5 3.6L,3.4L **¶621627524**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 05 12 43 53.6–.62 59.75N–.03 153.76W–.03 154–5 3.7b 203 0-150
IDC XII 05 12 43 51.3–1.3 59.80N 154.04W 124–14 3.8,3.5b **¶621612718**
NEIC XII 05 12 43 52.7–.68 59.75N–.04 153.77W–.10 156–3 3.6L,3.3L
AEIC XII 05 12 43 54.0–1.2 59.73N–.04 153.8W–.10 151–4 3.6L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 12 12 47 09.1–.83 61.55N–.03 150.80W–.02 59–7 3.4b 168 0-55
IDC XII 12 12 47 07.5–1.5 61.50N 151.05W 45–18 3.4,3.2b **¶621627806**
AEIC XII 12 12 47 09.6–1.2 61.56N–.03 150.77W–.05 62–6 3.4,3.2b
NEIC XII 12 12 47 09.1–1.3 61.58N–.03 150.81W–.05 57–9 3.3L,3.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 03 02 33.7–1.2 61.65N–.02 150.96W–.02 72–8 172 0-7
NEIC XII 20 03 02 33.5–1.6 61.66N–.03 151.02W–.05 72–6 3.3L,3.1L **¶621633821**
AEIC XII 20 03 02 34.8–1.4 61.64N–.02 150.96W–.05 63–6 3.3L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 18 22 04 49.7–.45 59.89N–.03 153.87W–.03 166–4 4.6b 421 0-150
BJI XII 18 22 04 46.6 59.67N 153.96W 168 5.1b,4.8b **¶621633595**
NEIC XII 18 22 04 49.3–1.6 59.89N–.04 153.88W–.08 165–3 4.9L,4.7L
IDC XII 18 22 04 50.2–.73 60.02N 154.02W 160–6 4.5,4.0b
AEIC XII 18 22 04 50.1–1.8 59.86N–.04 153.80W–.08 163–3 4.5,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 21 22 42 14.4–.18 60.18N–.02 153.44W–.02 152–1 5.8b 2037 0-170
BGR XII 21 22 42 00.7 59.90N 154.07W 152–0 6.3,6.0b **¶621637431**
MOS XII 21 22 42 12.9–.79 60.25N 153.49W 149 5.8b,4.8s
BJI XII 21 22 42 12.0 60.08N 153.94W 146 6.0b,6.0b
GFZ XII 21 22 42 13.5–.52 60N–3.0 154W–2.0 126–5 6.2b,6.0
PTWC XII 21 22 42 13 60.20N 153.50W 112 5.7,6.0
GFZ XII 21 22 42 14.7 60.28N 153.56W 145 5.9W,6.0
IPGP XII 21 22 42 14.0 60.12N 153.21W 153 5.9W,6.0
IDC XII 21 22 42 15.0–.49 60.30N 153.57W 152–4 5.8,5.3b
NEIC XII 21 22 42 14.6–2.1 60.16N–.04 153.34W–.08 151–1 6.3L,6.0L
NEIC XII 21 22 42 14.5 60.18N 153.36W 149 6.3L,6.0L
NEIC XII 21 22 42 14.8 60.19N 153.39W 146 6.3L,6.0L
AEIC XII 21 22 42 15.1–2.4 60.12N–.04 153.27W–.08 151–3 6.3L,6.0L
GCMT XII 21 22 42 16.2–.10 60.16N 153.41W 154–0 6.0W,6.0L
NEIC XII 21 22 42 20.3 60.09N 153.19W 150 5.9,6.0L
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=8.4km s-min=3.6km az=92.4.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$-6.46 $M_{\phi\phi}$4.50 $M_{r\theta}$2.65 $M_{\theta\phi}$6.19 $M_{\phi r}$2.10 NP1:ϕ_s337.05621°,δ66.82059°,λ167.82711°. NP2:ϕ_s71.90937°,δ78.82298°,λ23.65457°. Principal axes: T 8.6546,Plg24.5440°,Azm296.5087°; N 0.8111,Plg63.9756°,Azm95.7804°; P -9.4657,Plg8.1207°,Azm202.7727° $M_0$9.08735×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s79.00000°,δ68.00000°,λ38.00000°. NP2:ϕ_s333.00000°,δ55.00000°,λ152.00000°.
IDC Error ellipse: s-maj=8.5km s-min=6.1km az=15.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.5km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.53 $M_{\theta\theta}$-7.34 $M_{\phi\phi}$2.80 $M_{r\theta}$3.51 $M_{\theta\phi}$5.68 $M_{\phi r}$3.63 NP1:ϕ_s330.66000°,δ55.03000°,λ151.59000°. NP2:ϕ_s77.89000°,δ67.05000°,λ38.49000°. Principal axes: T 9.7720,Plg43.0000°,Azm299.0000°; N 0.3304,Plg46.0000°,Azm104.0000°; P -10.1024,Plg7.0000°,Azm202.0000° $M_0$9.94000×10^{17}
NEIC Event type se.
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=6.6km s-min=6.0km az=175.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112212242A. Moment Tensor Solution. s163,c353; s162,c549;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.33±.01 $M_{\theta\theta}$-0.79±.01; $M_{\phi\phi}$0.46±.01; $M_{r\theta}$0.41±.01; $M_{\theta\phi}$0.72±.01; $M_{\phi r}$0.30±.01; Best double couple: NP1:ϕ_s336.00000°,δ60.00000°,λ163.00000°. NP2:ϕ_s74.00000°,δ76.00000°,λ31.00000°. Principal axes: T 1.0700,Plg32.0000°,Azm298.0000°; N 0.0910,Plg56.0000°,Azm96.0000°; P -1.1620,Plg10.0000°,Azm202.0000° $M_0$1.11600×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58 $M_{\theta\theta}$-5.84 $M_{\phi\phi}$3.26 $M_{r\theta}$3.02 $M_{\theta\phi}$5.70 $M_{\phi r}$2.96 NP1:ϕ_s335.77000°,δ60.68000°,λ160.23000°. NP2:ϕ_s75.76000°,δ72.85000°,λ30.83000°. Principal axes: T 8.6640,Plg34.0000°,Azm299.0000°; N 0.1251,Plg55.0000°,Azm102.0000°; P -8.7891,Plg8.0000°,Azm204.0000° $M_0$8.73000×10^{17}
NEIC XII 26 08 36 29.8–1.0 61.40N–.02 150.02W–.05 52–6 3.2L,3.2L
AEIC XII 26 08 36 30.5–.84 61.37N–.03 150.02W–.03 44–6 3.2L,3.2L **¶621653501**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XII 23 03 28 37.4–1.2 61.143N–.01 150.25W–.04 35–2 2.6L,2.4L
AEIC XII 23 03 28 37.8–1.1 61.14N–.03 150.26W–.05 43–6 2.6L,2.4L **¶622512324**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 23 04 14 34.8–.90 61.46N–.02 146.64W–.01 18–7 161 0-7
NEIC XII 23 04 14 34.1–1.1 61.46N–.01 146.62W–.02 10–2 3.4L,3.2L **¶621648333**
AEIC XII 23 04 14 35.6–1.4 61.45N–.01 146.64W–.02 9–7 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 25 02 36 18.8–.86 60.15N–.04 153.28W–.04 152–6 3.9b 151 0-64
NEIC XII 25 02 36 18.8–.87 60.14N–.05 153.3W–.10 152–5 3.4L,3.1L **¶621700129**
AEIC XII 25 02 36 19.7–1.1 60.15N–.05 153.30W–.07 150–4 3.4L,3.1L
IDC XII 25 02 36 22.3–8.6 60.63N 153.53W 152–67 3.6,3.5s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.6km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=173.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.2km s-min=43.3km az=22.0.
ISC XII 28 09 57 58.2–.86 59.28N–.03 152.16W–.03 61–7 195 0-60
NEIC XII 28 09 57 57.8–.90 59.24N–.02 152.14W–.05 58–7 3.6L,3.4L **¶621654361**
IDC XII 28 09 57 57.1–1.6 59.41N 152.36W 46–20 3.5L,3.5
AEIC XII 28 09 57 58.4–.88 59.25N–.03 152.13W–.04 60–6 3.5L,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(4) Komandorsky Islands region.

ISC VII 01 03 30 56.5–1.7 55.02N–.05 164.95E–.05 31–16 3.2b 47 1-50
IDC VII 01 03 30 52.7–2.5 55.09N 165.10E 0 3.3,3.2b **¶620705774**
KRSC VII 01 03 30 54.4–1.2 55.00N 164.87E 48–22 3.6L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=74.8km s-min=19.2km az=150.0.
KRSC Event type se.
ISC VII 01 19 52 29.7–.95 55.41N–.06 166.51E–.07 20 3.3b 54 0-66
IDC VII 01 19 52 27.2–1.4 55.55N 166.54E 0 3.3,3.2L **¶620705775**
KRSC VII 01 19 52 30.3–1.6 55.32N 166.22E 39–12 3.9L,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=53.6km s-min=15.4km az=157.0.
KRSC Event type se.
ISC VII 02 06 17 54.1–1.2 55.33N–.06 166.47E–.08 20 48 0-66
IDC VII 02 06 17 51.8–1.5 55.54N 166.47E 0 3.5,3.4b **¶620733288**
KRSC VII 02 06 17 53.1–1.7 55.25N 166.33E 40–10 3.8L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=134.2km s-min=16.4km az=155.0.
KRSC Event type se.
ISC VII 04 13 51 14.3–1.5 54.57N–.04 164.20E–.04 3–11 3.5b 73 1-68
IDC VII 04 13 51 15.1–1.4 54.68N 164.28E 0 3.5b,3.4 **¶620733908**
KRSC VII 04 13 51 15.7–1.4 54.53N 164.23E 58–29 3.7L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=61.1km s-min=15.0km az=157.0.
KRSC Event type se.
ISC VII 12 11 41 31.2–.82 56.00N–.03 164.44E–.03 35–3 4.6b,3.6s 393 1-146
MOS VII 12 11 41 25.3–.87 56.02N 164.50E 54 4.8b,3.6s **¶620802615**
IDC VII 12 11 41 26.5–.53 56.03N 164.29E 0 4.2L,4.2
NEIC VII 12 11 41 28.0–2.0 55.97N–.09 164.5E–.10 10–1 4.7b,4.2
KRSC VII 12 11 41 27.1–.85 56.00N 164.51E 53–15 4.9L,4.5
GFZ VII 12 11 41 28.2–.20 56N–6.0 164E–4.0 10 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 16 14 07 38.6–1.5 56.14N–.04 164.12E–.03 10–9 4.1b 157 1-146
IDC VII 16 14 07 37.8–.57 56.26N 163.87E 0 4.0b,3.9 **¶620833084**
KRSC VII 16 14 07 38.0–1.6 56.14N 164.24E 51–22 4.1L,3.9

NEIC VII 16 14 07 39.5–1.8 56.16N–.09 164.1E–.10 10–1 4.3b,3.9
MOS VII 16 14 07 40.4–.67 56.15N 164.19E 46 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=10.1km az=144.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=9.4km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.8km s-min=5.5km az=56.8.
IDC VII 17 04 18 12.2–1.3 54.99N 164.40E 0 3.6b,3.5
¶620928750
IDC Error ellipse: s-maj=86.7km s-min=14.5km az=150.0.
KRSC VII 21 23 01 29.6–1.2 55.40N 165.97E 35–11 3.6L
¶620844698
KRSC Event type se.
KRSC VII 26 12 15 14.5–1.4 54.85N 164.62E 50–27 3.8L
¶620847371
KRSC Event type se.
KRSC VIII 05 02 29 18.2–.58 53.95N 168.80E 39–18 3.5L
¶625367935
KRSC Event type se.
KRSC VIII 02 22 01 16.7–2.0 55.00N 164.85E 63–24 3.7L
¶620930502
KRSC Event type se.
KRSC VIII 14 11 14 03.9–1.2 55.06N 164.41E 50–24 4.0L
¶620986833
KRSC Event type se.
KRSC VIII 07 23 48 55.4–1.8 53.87N 167.97E 60–35 3.6L
¶620976266
KRSC Event type se.
ISC VIII 09 11 36 53.7–1.6 55.08N–.05 164.83E–.05 25–13 3.7b 71 1-145
IDC VIII 09 11 36 50.1–.74 55.09N 164.81E 0 3.8,3.7b **¶620979437**
KRSC VIII 09 11 36 51.3–1.1 55.05N 164.81E 54–22 4.2L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=12.8km az=157.0.
KRSC Event type se.
KRSC VIII 23 09 42 21.6–1.7 54.95N 165.51E 40–14 3.6L
¶621001928
KRSC Event type se.
KRSC VIII 19 12 30 30.3–1.3 55.19N 165.02E 49–18 3.7L
¶620998510
KRSC Event type se.
ISC VIII 27 03 19 32.6–.96 55.25N–.04 165.35E–.04 35–3 4.7b,3.6s 393 0-146
IDC VIII 27 03 19 28.1–.51 55.34N 165.30E 0 4.5L,4.2b **¶621008326**
NEIC VIII 27 03 19 29.6–1.6 55.32N–.09 165.3E–.10 10–1 4.7b,4.2b
KRSC VIII 27 03 19 29.4–.87 55.23N 165.27E 48–13 5.0L,4.6
MOS VIII 27 03 19 30.7–.82 55.28N 165.37E 35 4.7b,4.6
GFZ VIII 27 03 19 30.5–.20 56N–6.0 165E–3.0 10 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se. Felt [II-III] at Nikolskoe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
KRSC IX 03 19 19 39.1–2.1 54.61N 165.94E 20–19 3.5L
¶621035295
KRSC Event type se.
ISC IX 04 20 41 30.3–.98 54.91N–.10 167.10E–.08 35 3.2b 28 1-66
KRSC IX 04 20 41 20.7–1.9 54.77N 167.50E 32–18 3.9L **¶621035455**
IDC IX 04 20 41 24.1–1.3 54.05N 167.72E 0 3.6s,3.4L
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=14.4km az=177.0.
KRSC IX 06 22 03 15.7–1.0 55.47N 166.40E 30–7 3.5L
¶621039593
KRSC Event type se.
KRSC IX 06 09 25 30.7–1.3 55.10N 165.03E 46–17 3.6L
¶621039591
KRSC Event type se.
ISC IX 14 05 06 57.6–2.4 54.76N–.04 164.66E–.07 14–16 3.8b 73 1-85
IDC IX 14 05 06 56.4–.98 55.00N 164.47E 0 4.6L,3.8 **¶621076027**
KRSC IX 14 05 06 57.0–1.5 54.74N 164.57E 48–25 4.2L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=13.6km az=149.0.
KRSC Event type se.
ISC IX 12 13 44 56.9–1.1 55.28N–.06 165.95E–.09 23–7 3.5b 47 0-83
IDC IX 12 13 44 53.5–1.4 55.08N 166.31E 0 3.4b,3.3 **¶621071750**
KRSC IX 12 13 44 54.8–1.9 55.18N 165.82E 30–12 3.6L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=20.3km az=156.0.
KRSC Event type se.
ISC IX 08 02 28 32.8–.59 55.49N–.04 166.42E–.04 27–4 4.7b 488 0-145
IDC IX 08 02 28 29.2–.51 55.63N 166.32E 0 4.7L,4.4b **¶621041924**
KRSC IX 08 02 28 29.2–1.9 55.53N 166.46E 45–15 4.9L,4.4b
BJI IX 08 02 28 30.8 55.86N 166.16E 21 4.7b,4.4b
NEIC IX 08 02 28 30.3–1.9 55.5N–.10 166.4E–.10 10–1 4.8b,4.4b
MOS IX 08 02 28 32.0–.77 55.55N 166.37E 34 4.9b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=9.3km az=159.0.
KRSC Event type se. Felt [II-III] at Nikolskoe.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.1km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=5.3km s-min=4.5km az=67.1.
ISC IX 15 12 19 57.7–.85 55.18N–.05 164.69E–.05 27 3.1b 45 1-83
IDC IX 15 12 19 54.5–1.2 54.94N 164.96E 0 3.6s,3.2b **¶621079115**
KRSC IX 15 12 19 55.7–.92 55.15N 164.67E 52–23 3.6L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=75.9km s-min=16.9km az=155.0.
KRSC Event type se.
KRSC IX 21 06 16 42.9–1.3 53.96N 168.12E 3–28 3.7L
¶621094945
KRSC Event type se.
KRSC X 07 00 21 36.4–1.2 54.26N 168.19E 17–14 3.6L
¶621134197
KRSC Event type se.
ISC X 01 07 11 36.3–.89 55.63N–.05 165.88E–.06 20 3.6b 56 0-67
IDC X 01 07 11 34.4–1.4 55.93N 165.84E 0 3.6,3.5b **¶621116421**
KRSC X 01 07 11 35.8–1.2 55.47N 165.90E 25–10 3.9L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=44.9km s-min=16.1km az=154.0.
KRSC Event type se.
KRSC X 08 16 56 42.2–1.1 55.46N 164.30E 16–29 4.0L
¶621143765
KRSC Event type se.
KRSC X 26 03 37 25.3–1.6 55.81N 165.25E 40–19 3.7L
¶621241360
KRSC Event type se.
KRSC X 24 02 46 35.1–1.2 54.78N 164.54E 49–24 3.9L
¶621238538
KRSC Event type se.
KRSC X 13 17 56 40.7–1.6 53.66N 167.84E 17–35 3.8L
¶621149182
KRSC Event type se.
KRSC X 22 19 21 11.9–1.9 54.66N 165.91E 27–17 3.7L
¶621237862
KRSC Event type se.
KRSC XI 06 22 17 58.1–1.0 55.94N 164.34E 15–17 3.8L
¶621372236
KRSC Event type se.
ISC XI 05 06 59 21.0–1.4 54.84N–.04 164.72E–.05 15–9 4.1b,3.1s 188 1-145
IDC XI 05 06 59 18.7–.64 54.88N 164.68E 0 4.0,3.9b **¶621361576**
KRSC XI 05 06 59 18.9–1.1 54.79N 164.72E 47–26 4.3L,3.9b
NEIC XI 05 06 59 20.3–.84 54.9N–.10 164.64E–.03 10–1 4.2b,3.9b
MOS XI 05 06 59 22.6–.94 54.83N 164.53E 47 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=11.9km az=155.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=2.9km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=5.5km s-min=5.5km az=140.8.
ISC X 31 12 18 05.5–1.1 54.92N–.04 165.71E–.03 33–5 4.4b,3.4s 381 0-145
KRSC X 31 12 18 03.6–1.6 54.94N 165.49E 50–15 4.7L,3.9 **¶621244730**
MOS X 31 12 18 04.3–.69 54.94N 165.76E 40 4.5b,3.9
NEIC X 31 12 18 06.4–1.1 55.0N–.10 165.7E–.10 39–7 4.4b,3.9
GFZ X 31 12 18 06.4–.79 55N–5.0 166E–3.0 42–7 4.7L,4.5b
IDC X 31 12 18 06.5–3.7 55.07N 165.68E 33–29 4.1,4.0L
ISC Event type se.
KRSC Event type se. Felt [III-IV] at Nikolskoe.
MOS Event type fe. Error ellipse: s-maj=5.0km s-min=4.8km az=87.0. Felt (III-IV) at Nikol'skoye.
Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.1km az=166.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.2km s-min=7.2km az=166.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=16.0km s-min=10.4km az=166.0.
ISC XI 01 21 01 02.0–1.1 55.41N–.07 166.30E–.07 20 3.6b 49 0-66
KRSC XI 01 21 00 58.6–1.7 55.41N 166.34E 40–9 4.0L **¶621252705**
IDC XI 01 21 00 59.6–1.2 55.25N 166.46E 0 3.6b,3.6
ISC Event type se.
KRSC Event type se. Felt [II] at Nikolskoe.
IDC Error ellipse: s-maj=47.6km s-min=15.6km az=164.0.
ISC XI 06 03 25 49.3–1.3 55.31N–.10 166.53E–.09 20 34 0-66
IDC XI 06 03 25 46.8–1.6 55.25N 166.78E 0 3.5b,3.4 **¶621415968**
KRSC XI 06 03 25 46.6–1.7 55.31N 166.56E 36–9 3.6L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=121.9km s-min=16.8km az=158.0.
KRSC Event type se.
KRSC XI 22 11 43 18.2–1.8 53.88N 168.95E 42–25 4.1L
¶621449122
KRSC Event type se.
KRSC XI 12 03 08 31.9–2.0 54.59N 167.64E 31–21 3.9L
¶621402723
KRSC Event type se.
KRSC XI 29 11 55 11.9–1.0 53.92N 168.88E 50–24 3.8L
¶621499180
KRSC Event type se.
ISC XI 27 22 47 23.6–.82 54.63N–.07 168.11E–.07 23 3.9b 85 1-83
KRSC XI 27 22 47 22.1–1.5 54.60N 167.96E 31–25 4.5L **¶621480554**
MOS XI 27 22 47 23.6–1.0 54.65N 168.13E 36 4.7b
IDC XI 27 22 47 26.9–4.1 54.64N 168.01E 43–40 3.7,3.4b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=6.8km az=28.4.
IDC Error ellipse: s-maj=35.0km s-min=23.0km az=161.0.
ISC XI 30 19 57 07.6–1.5 55.29N–.04 164.56E–.06 29–14 3.8s,3.5b 120 1-83
IDC XI 30 19 57 03.8–1.0 55.35N 164.51E 0 3.7s,3.5b **¶621568614**
KRSC XI 30 19 57 06.1–1.6 55.25N 164.43E 61–23 4.2L,3.5b
MOS XI 30 19 57 07.2–.76 55.26N 164.58E 61 4.2b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=16.3km az=154.0.
KRSC Event type se.
MOS Error ellipse: s-maj=6.6km s-min=6.0km az=148.0.
ISC XII 28 08 18 09.9–.48 54.62N–.07 168.38E–.04 24 4.2b,3.4s 212 2-98
KRSC XII 28 08 18 04.4–1.7 54.48N 168.34E 24–29 4.8L,3.4s **¶621654362**
MOS XII 28 08 18 06.8–.84 54.57N 168.36E 21 4.4b,3.4s
IDC XII 28 08 18 06.3–.64 54.70N 168.38E 0 4.1b,4.1
NEIC XII 28 08 18 07.4–2.1 54.6N–.10 168.4E–.10 10–1 4.2b,4.1
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC XII 17 08 28 44.8–2.0 54.96N 166.08E 30–11 3.7L
¶621633469
KRSC Event type se.
ISC XII 18 19 46 22.2–.80 54.13N–.08 168.95E–.05 10 3.4b 44 2-65
IDC XII 18 19 46 21.7–1.1 54.39N 169.11E 0 3.6L,3.5 **¶621633605**
KRSC XII 18 19 46 22.2–1.2 54.04N 168.84E 40–22 4.2L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=13.7km az=174.0.
KRSC Event type se.
ISC XII 20 22 56 33.4–.44 54.09N–.06 169.34E–.04 17 4.3b,3.7s 307 2-83
KRSC XII 20 22 56 30.9–1.3 53.97N 169.44E 60–22 4.9L,3.7s **¶621635012**
IDC XII 20 22 56 31.1–.60 54.21N 169.45E 0 4.1,4.0b
NEIC XII 20 22 56 32.6–2.4 54.05N–.10 169.42E–.10 10–1 4.3b,4.0b
MOS XII 20 22 56 36.6–1.0 54.12N 169.01E 54 4.5b,4.0b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=10.3km az=167.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=9.4km az=355.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.5km s-min=4.7km az=33.8.
KRSC XII 21 22 57 30.3–1.3 55.10N 164.46E 48–24 3.7L
¶621640244
KRSC Event type se.

(5) Near Islands.

ISC VII 27 22 55 22.3–.49 52.55N–.08 172.41E–.04 24 4.1b,3.6s 196 1-146
KRSC VII 27 22 55 19.4–.99 52.46N 172.33E 53–32 4.4L,3.6s **¶620857167**
IDC VII 27 22 55 19.4–.65 52.79N 172.42E 0 4.1b,4.1
NEIC VII 27 22 55 20.3–2.5 52.55N–.07 172.41E–.08 10–1 4.2b,4.1
MOS VII 27 22 55 23.6–1.7 52.61N 172.26E 51 4.3b,4.1
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=10.6km az=177.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.2km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.2km s-min=5.9km az=133.3.
ISC VIII 09 09 42 01.2–.39 53.25N–.05 170.13E–.03 32–2 5.0b,4.3s 731 2-144
IDC VIII 09 09 41 56.9–.49 53.37N 170.15E 0 4.7L,4.7b **¶620978311**
NEIC VIII 09 09 41 58.5–2.2 53.4N–.10 170.15E–.09 10–1 5.1b,4.8L
KRSC VIII 09 09 41 58.5–1.3 53.15N 169.91E 61–30 5.5L,4.8L
MOS VIII 09 09 41 59.7–.93 53.24N 170.05E 36 5.1b,4.2s
BJI VIII 09 09 42 01.1 53.48N 169.87E 38 5.2b,4.9b
GFZ VIII 09 09 42 02.5–.26 53N–5.0 170E–2.0 32–1 5.0b,4.8
BGR VIII 09 09 42 02.0 53.11N 170.72E 33 4.9b,4.8
AEIC VIII 09 09 42 02.6–3.6 53.1N–.10 170.19E–.09 20–4 4.9b,4.8
GCMT VIII 09 09 42 03.3–.20 53.27N–.01 170.02E–.02 32–1 5.1W,4.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
AEIC Event type se. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108090942A. Moment Tensor Solution. s73,c105; s121,c194;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.15 $M_{\theta\theta}$-5.41±.13; $M_{\phi\phi}$5.57±.12; $M_{r\theta}$-2.08±.22; $M_{\theta\phi}$1.62±.11; $M_{\phi r}$-0.28±.19; Best double couple: NP1: ϕ_s145.00000°,δ73.00000°,λ-171.00000°. NP2:ϕ_s52.00000°,δ81.00000°,λ-17.00000°. Principal axes: T 5.8630,Plg6.0000°,Azm99.0000°; N 0.4400,Plg71.0000°,Azm206.0000° ; P -6.3100,Plg18.0000°,Azm7.0000° $M_0$6.08700×10^{16}

ISC	**IX**	**29 23 29 19.6–.53**	**53.22N–.09**	**170.88E–.04**	**35**	**4.5b,3.3s**	**202**	**2-90**	
KRSC	IX	29 23 29 16.5–1.2	53.11N	170.79E	65–38	4.8L,3.3s			**¶621113112**
IDC	IX	29 23 29 16.1–.73	53.53N	171.03E	0	4.1,4.0L			
MOS	IX	29 23 29 18.7–.95	53.19N	170.86E	59	4.6b,4.0L			
NEIC	IX	29 23 29 19.6–1.2	53.3N–.10	171.0E–.10	30–6	4.5b,4.3L			

ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**20 17 57 07.7–1.3**	**51.5N–.10**	**173.16E–.07**	**10**		**28**	**1-21**	
AEIC	IX	20 17 57 07.6–5.0	51.44N–.07	173.58E–.07	4–7				**¶622452185**
NEIC	IX	20 17 57 08.0–.99	51.53N–.07	173.1E–.10	10–2	3.8b,3.4L			

ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**02 20 53 10.4–.88**	**52.5N–.20**	**174.34E–.07**	**79–6**	**3.7b**	**24**	**0-84**	
IDC	X	02 20 53 09.8–1.4	52.57N	174.41E	73–6	3.7,3.4b			**¶621186087**
NEIC	X	02 20 53 11.2–.95	52.6N–.30	174.5E–.10	71–6	3.4L,3.4b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**27 11 13 27.3–2.6**	**51.6N–.10**	**174.72E–.05**	**10–15**	**3.9b**	**96**	**1-63**	
KRSC	X	27 11 13 25.9–2.2	51.38N	174.63E	56–30	3.9L			**¶621242646**
IDC	X	27 11 13 26.5–1.7	51.69N	174.90E	0	3.8,3.6b			
NEIC	X	27 11 13 28.3–1.3	51.67N–.06	174.69E–.10	10–2	3.9b,3.7L			
AEIC	X	27 11 13 30.9–1.6	51.68N–.07	174.80E–.08	27–6	3.9b,3.7L			

ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC	**XI**	**02 05 08 19.0–1.2**	**52.5N–.20**	**172.48E–.05**	**24**	**4.0b**	**40**	**1-65**	
NEIC	XI	02 05 08 16.9–1.1	52.4N–.10	172.57E–.07	10–2	4.0b			**¶621401326**
IDC	XI	02 05 08 19.1–1.4	52.96N	172.48E	0	3.5b,3.5			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=6.3km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.5km s-min=12.6km az=11.0.

ISC	**X**	**30 21 36 14.9–.80**	**52.4N–.10**	**172.38E–.04**	**24**	**3.9b**	**73**	**1-66**	
IDC	X	30 21 36 06.4–3.5	52.02N	173.29E	0	4.1b,4.1			**¶621244599**
KRSC	X	30 21 36 13.0–1.6	52.29N	172.33E	50–41	4.2L,4.1			
NEIC	X	30 21 36 18.3–1.6	52.6N–.20	172.5E–.10	42–12	3.7b,3.7L			

ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**03 09 01 52.5–1.1**	**52.4N–.20**	**172.35E–.05**	**24**	**3.9b**	**65**	**1-66**	
NEIC	XII	03 09 01 51.7–.67	52.4N–.20	172.35E–.09	17–4	3.9L,3.8b			**¶621630581**
IDC	XII	03 09 01 53.0–1.1	53.08N	172.48E	0	4.6s,3.9			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.8km s-min=7.8km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.6km s-min=10.0km az=17.0.

ISC	**XI**	**09 05 14 37.0–1.1**	**52.6N–.10**	**171.28E–.06**	**35**	**3.7b**	**52**	**2-64**	
NEIC	XI	09 05 14 33.8–.99	52.6N–.20	171.4E–.10	10–2	3.9b,3.8L			**¶621423136**
IDC	XI	09 05 14 33.6–2.1	52.62N	171.40E	0	3.5b,3.5			
KRSC	XI	09 05 14 33.8–.92	52.64N	171.12E	34–46	4.0L,3.5			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.0km s-min=11.5km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.1km s-min=17.6km az=178.0.
KRSC Event type se.

ISC	**XI**	**17 11 55 27.1–.65**	**52.39N–.09**	**170.31E–.04**	**10**	**4.0b**	**134**	**2-79**	
MOS	XI	17 11 55 25.7–.53	52.35N	170.29E	15	4.3b			**¶621414822**
IDC	XI	17 11 55 26.1–1.1	52.44N	170.43E	0	3.9L,3.9			
KRSC	XI	17 11 55 26.3–1.2	52.41N	170.30E	61–41	4.2L,3.9			
NEIC	XI	17 11 55 27.6–1.1	52.4N–.20	170.40E–.09	10–1	4.1b,3.6L			

ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

KRSC	**XII**	**15 20 23 60.0–1.2**	**53.15N**	**170.86E**	**25–93**	**3.9L**			**¶621631002**

KRSC Event type se.

ISC	**XII**	**11 01 04 46.5–.87**	**52.3N–.10**	**172.29E–.04**	**24**	**3.9b**	**63**	**1-78**	
IDC	XII	11 01 04 43.6–1.8	52.27N	172.42E	0	3.7b,3.7			**¶621644159**
MOS	XII	11 01 04 43.7–.86	52.20N	172.36E	17	4.5b,3.7			
NEIC	XII	11 01 04 47.7–.63	52.5N–.20	172.48E–.09	20–8	4.5b,3.5L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**25 16 06 43.5–2.5**	**52.6N–.60**	**173.16E–.06**	**10**		**12**	**1-55**	
IDC	XII	25 16 06 38.9–10	51.76N	173.64E	0	3.8s,3.3			**¶621700160**
NEIC	XII	25 16 06 43.8–.54	52.6N–.40	173.2E–.30	10–2	3.3L,3.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**29 05 13 48.2–.48**	**54.61N–.07**	**170.57E–.04**	**10**	**4.0b**	**131**	**3-145**	
KRSC	XII	29 05 13 47.4–2.0	54.55N	170.52E	60–26	4.2L			**¶621657444**
IDC	XII	29 05 13 48.1–.76	55.03N	170.55E	0	4.1s,3.9b			
MOS	XII	29 05 13 48.5–.74	54.50N	170.50E	30	4.8b,3.9b			
NEIC	XII	29 05 13 49.1–2.6	54.61N–.09	170.7E–.10	10–1	4.1b,3.9b			

ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**29 05 31 07.4–.61**	**54.44N–.08**	**170.58E–.05**	**10**	**3.9b**	**75**	**3-79**	
KRSC	XII	29 05 31 02.5–2.4	54.55N	170.47E	7–41	4.0L			**¶621657445**
MOS	XII	29 05 31 05.5–1.0	54.54N	170.50E	15	4.3b			
IDC	XII	29 05 31 06.8–1.0	54.54N	170.84E	0	3.5b,3.5			
NEIC	XII	29 05 31 07.7–1.8	54.4N–.10	170.65E–.10	10–1	4.0b,3.5			

ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**29 06 02 53.1–.52**	**54.56N–.07**	**170.44E–.05**	**10**	**4.0b**	**74**	**3-84**	
IDC	XII	29 06 02 51.4–.80	54.59N	170.51E	0	3.8b,3.8			**¶621724183**
KRSC	XII	29 06 02 51.6–1.3	54.53N	170.51E	40–32	4.2L,3.8			
NEIC	XII	29 06 02 52.9–1.5	54.50N–.05	170.43E–.08	10–1	4.1b,3.8			

ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**29 07 48 28.9–.41**	**54.67N–.06**	**170.61E–.04**	**10**	**4.2b,3.2s**	**149**	**3-145**	
KRSC	XII	29 07 48 26.2–1.5	54.46N	170.54E	39–25	4.1L,3.2s			**¶621657446**
IDC	XII	29 07 48 28.7–.61	55.19N	170.57E	0	4.8L,4.0b			
NEIC	XII	29 07 48 30.0–2.1	54.73N–.07	170.6E–.10	10–1	4.3b,4.0b			
MOS	XII	29 07 48 29.2–.76	54.52N	170.47E	35	4.5b,4.0b			

ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=10.9km az=162.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.2km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.8km s-min=6.5km az=21.6.

ISC	**XII**	**29 06 38 47.5–.66**	**54.59N–.09**	**170.52E–.06**	**10**	**3.9b**	**61**	**3-79**	
KRSC	XII	29 06 38 43.4–2.2	54.56N	170.52E	11–32	4.1L			**¶621724185**
IDC	XII	29 06 38 45.9–.92	54.58N	170.60E	0	3.8b,3.7			
NEIC	XII	29 06 38 46.8–1.3	54.47N–.09	170.6E–.10	10–1	4.1b,3.7			

ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**29 09 28 57.9–.52**	**54.55N–.05**	**170.55E–.03**	**12–2**	**4.7b,4.3s**	**532**	**3-145**	
AEIC	XII	29 09 28 55.0–1.2	54.53N–.10	170.6E–.10	10–4	4.7b,4.3s			**¶621657131**
MOS	XII	29 09 28 55.8–.96	54.53N	170.53E	11	5.0b,4.2s			
BJI	XII	29 09 28 55.0	55.12N	170.80E	7	5.3b,5.1s			
IDC	XII	29 09 28 56.2–.46	54.66N	170.63E	0	4.3b,4.3			
NEIC	XII	29 09 28 57.9–1.2	54.52N–.10	170.6E–.10	11–4	5.0,5.0b			
KRSC	XII	29 09 28 57.1–1.7	54.55N	170.48E	66–26	4.8L,5.0b			
GCMT	XII	29 09 28 59.8–.20	53.37N–.02	170.59E–.02	12	5.3W,5.0b			
GFZ	XII	29 09 28 59.9–.26	55N–6.0	171E–3.0	10	5.6b,5.1			

ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112290929A. Moment Tensor Solution. s32,c39; s97,c138; Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.31±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$0.19±.01; $M_{r\theta}$-0.95±.03; $M_{\theta\phi}$0.01±.01; $M_{\phi r}$0.32±.03; Best double couple: NP1:ϕ_s297.00000°,δ6.00000° ,λ-82.00000°. NP2:ϕ_s109.00000°,δ84.00000°,λ-91.00000°. Principal axes: T 0.9320,Plg39.0000°,Azm200.0000°; N 0.1900,Plg1.0000°,Azm109.0000° ; P -1.1230,Plg51.0000°,Azm18.0000° $M_0$1.02800×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**29 08 39 45.4–.63**	**54.44N–.07**	**170.50E–.05**	**10**	**4.0b**	**79**	**3-70**	
IDC	XII	29 08 39 44.8–.98	54.49N	170.70E	0	3.6,3.5b			**¶621657447**
NEIC	XII	29 08 39 45.6–2.1	54.41N–.05	170.51E–.08	10–1	4.1b,3.5b			
KRSC	XII	29 08 39 45.1–1.4	54.65N	170.48E	47–28	4.0L,3.5b			

ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=13.5km az=2.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.6km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.

ISC	**XII**	**29 03 57 34.6–.19**	**54.56N–.03**	**170.60E–.02**	**24**	**5.7b,5.4s**	**1513**	**3-161**	
AEIC	XII	29 03 57 31.0–2.1	54.62N–.06	170.65E–.06	10–2	5.7b,5.4s			**¶621656490**
KRSC	XII	29 03 57 30.1–1.9	54.57N	170.57E	41–25	5.7L,5.4s			
IDC	XII	29 03 57 31.5–.34	54.65N	170.59E	0	5.3b,5.3			
IPGP	XII	29 03 57 32.0	54.65N	170.63E	6	5.7W,5.3			
BJI	XII	29 03 57 32.3	54.90N	169.95E	5	5.8s,5.6b			
NEIC	XII	29 03 57 32.9–2.1	54.62N–.06	170.65E–.09	10–1	5.8b,5.5			
NEIC	XII	29 03 57 32.9	54.62N	170.65E	10	5.8b,5.5			
ISC-P	XII	29 03 57 32	54.62N	170.65E	24–0	6.1,5.5			
NEIC	XII	29 03 57 33	54.64N	170.64E	10	6.1,5.5			
GFZ	XII	29 03 57 34.0–.14	55N–3.0	171E–2.0	10	6.0,6.0b			
GFZ	XII	29 03 57 33.8	54.66N	170.59E	19	5.6W,6.0b			
MOS	XII	29 03 57 35.8–1.2	54.55N	170.28E	45	5.7b,5.3s			
GCMT	XII	29 03 57 35.5–.10	54.69N–.01	170.54E–.01	12	5.6W,5.3s			
PTWC	XII	29 03 57 35	54.50N	170.70E		5.9,5.3s			
NEIC	XII	29 03 57 40.5	54.44N	170.64E	12	5.6,5.3s			
BGR	XII	29 03 57 43.5	55.45N	169.43E	33	5.7b,4.9s			

ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=10.4km s-min=1.8km az=209.0. hypocenter. manual.
KRSC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=7.2km az=175.0.
IPGP Moment Tensor Solution. NP1:ϕ_s306.00000°,δ65.00000°,λ-160.00000°. NP2:ϕ_s207.00000° ,δ72.00000°,λ-27.00000°.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.1km az=13.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.37 $M_{\theta\theta}$-1.85 $M_{\phi\phi}$2.22 $M_{r\theta}$-0.26 $M_{\theta\phi}$-1.34 $M_{\phi r}$-0.03 NP1:ϕ_s28.10000°,δ84.01000°,λ-4.73000°. NP2:ϕ_s118.59000°,δ85.29000° ,λ-173.99000°. Principal axes: T 2.6188,Plg1.0000°,Azm253.0000°; N -0.3359,Plg82.0000° ,Azm157.0000°; P -2.2829,Plg8.0000°,Azm343.0000° $M_0$2.47000×10^{17}
NEIC Event type se.
ISC-P Moment Tensor Solution. s55 Moment tensor: Scale 10^{18}Nm; M_{rr}0.47±.18 $M_{\theta\theta}$-0.51±.23; $M_{\phi\phi}$0.07±.16; $M_{r\theta}$0.07±.17; $M_{\theta\phi}$0.35±.17; $M_{\phi r}$-0.36±.23; NP1:ϕ_s36.30000°,δ63.00000° ,λ54.70000°. NP2:ϕ_s273.60000°,δ43.40000°,λ138.60000°. $M_0$1.53000×10^{18}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.20 $M_{\theta\theta}$-1.94 $M_{\phi\phi}$3.14 $M_{r\theta}$-0.09 $M_{\theta\phi}$-1.50 $M_{\phi r}$-0.06 NP1: ϕ_s119.79337°,δ86.10691°,λ-176.74795°. NP2:ϕ_s29.57233°,δ86.75546°,λ-3.89935°. Principal axes: T 3.5485,Plg0.4577°,Azm74.7030°; N -1.1919,Plg84.9289°,Azm169.8680° ; P -2.3565,Plg5.0503°,Azm344.6625° $M_0$3.12775×10^{17}
MOS Error ellipse: s-maj=4.8km s-min=3.5km az=125.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112290357A. Moment Tensor Solution. s131,c268; s160,c349;Duration: 1ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71±.03 $M_{\theta\theta}$-2.35±.03; $M_{\phi\phi}$3.06±.02; $M_{r\theta}$0.71±.07; $M_{\theta\phi}$-1.76±.02; $M_{\phi r}$-0.10±.07; Best double couple: NP1: ϕ_s208.00000°,δ76.00000°,λ-8.00000°. NP2:ϕ_s300.00000°,δ82.00000°,λ-166.00000°. Principal axes: T 3.6020,Plg4.0000°,Azm73.0000°; N -0.5500,Plg74.0000°,Azm329.0000° ; P -3.0530,Plg16.0000°,Azm164.0000° $M_0$3.32800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$2.50 $M_{r\theta}$-0.10 $M_{\theta\phi}$-1.83 $M_{\phi r}$-1.06 NP1:ϕ_s114.37000°,δ70.17000° ,λ-179.34000°. NP2:ϕ_s24.14000°,δ89.38000°,λ-19.83000°. Principal axes: T 3.3986,Plg13.0000°,Azm71.0000°; N -0.7755,Plg70.0000°,Azm202.0000° ; P -2.6231,Plg14.0000°,Azm338.0000° $M_0$3.08000×10^{17}
BGR Event type ke.

ISC	**XII**	**29 09 50 52.6–.46**	**54.46N–.07**	**170.51E–.05**	**10**	**4.2b,3.4s**	**126**	**3-84**	
MOS	XII	29 09 50 50.8–.90	54.50N	170.58E	10	4.4b,3.4s			**¶621656530**
KRSC	XII	29 09 50 51.7–1.1	54.36N	170.38E	32–18	4.2L,3.4s			
IDC	XII	29 09 50 52.4–.72	54.76N	170.64E	0	3.9b,3.9			
NEIC	XII	29 09 50 52.4–1.4	54.39N–.10	170.53E–.05	10–1	4.3b,3.9			

ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**29 04 13 10.1–2.5**	**54.63N–.06**	**170.66E–.04**	**10–15**	**4.7b,4.7s**	**270**	**3-144**	
AEIC	XII	29 04 13 06.9–1.9	54.62N–.07	170.8E–.10	10–4	4.7b,4.7s			**¶621656492**
MOS	XII	29 04 13 07.9–.91	54.51N	170.59E	12	4.8b,4.7s			
KRSC	XII	29 04 13 07.6–1.2	54.50N	170.58E	40–33	4.7L,4.7s			
IDC	XII	29 04 13 09.6–.58	54.98N	170.58E	0	4.4s,4.1b			
NEIC	XII	29 04 13 10.9–2.0	54.61N–.07	170.9E–.10	10–1	4.8b,4.5L			

ISC Event type se.
AEIC Event type se. hypocenter. manual.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**29 22 50 33.0–3.7**	**54.59N–.07**	**170.55E–.04**	**15–23**	**4.2b**	**173**	**3-84**	
MOS	XII	29 22 50 30.6–.68	54.54N	170.62E	14	4.5b			**¶621657263**
KRSC	XII	29 22 50 30.2–1.4	54.54N	170.56E	30–24	4.4L			
IDC	XII	29 22 50 31.1–.71	54.65N	170.55E	0	4.0b,3.9			
NEIC	XII	29 22 50 32.1–1.3	54.54N–.04	170.6E–.10	10–1	4.3b,3.9			

ISC Event type se.
KRSC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 04 15 22.8–.45 54.63N–.07 170.62E–.05 10 4.2b 84 3-144
KRSC XII 29 04 15 20.6–1.3 54.56N 170.62E 31–23 4.2L **¶621724181**
IDC XII 29 04 15 22.0–.72 54.78N 170.62E 0 4.0L,4.0b
NEIC XII 29 04 15 23.2–2.0 54.67N–.09 170.8E–.10 10–1 4.6b,4.0b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 14 29 59.4–.76 54.3N–.10 170.63E–.07 10 3.5b 30 3-64
IDC XII 29 14 29 59.0–1.7 54.32N 170.92E 0 3.4b,3.4 **¶621724219**
NEIC XII 29 14 29 59.9–1.5 54.3N–.10 170.7E–.10 10–2 3.7b,3.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 16 35 22.4–.37 54.51N–.06 170.59E–.04 10 4.5b,3.5s 335 3-145
AEIC XII 29 16 35 18.2–1.9 54.8N–.10 170.7E–.20 10–4 4.5b,3.5s **¶621657128**
KRSC XII 29 16 35 21.6–1.2 54.50N 170.50E 62–33 4.6L,3.5s
MOS XII 29 16 35 21.0–.84 54.56N 170.54E 15 4.6b,3.5s
IDC XII 29 16 35 21.1–.51 54.71N 170.62E 0 4.1b,4.1
NEIC XII 29 16 35 23.4–1.6 54.8N–.10 170.6E–.20 10–1 4.5b,4.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(6) Rat Islands.

ISC VII 09 17 08 20.9–.95 51.99N–.09 175.83E–.04 54–9 4.1b,3.4s 177 1-84
AEIC VII 09 17 08 19.6–2.2 51.9N–.10 175.79E–.09 63–6 4.1b,3.4s **¶620786368**
NEIC VII 09 17 08 20.7–1.9 51.92N–.05 175.81E–.04 53–9 4.4L,4.2L
IDC VII 09 17 08 21.0–2.3 52.00N 175.94E 56–16 4.1,3.8b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=17.2km s-min=5.8km az=198.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=1.4km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.8km s-min=12.8km az=163.0.
ISC VII 10 20 42 53.6–1.4 52.06N–.09 177.22E–.03 5–9 4.2b,3.6s 122 1-142
NEIC VII 10 20 42 53.1–1.2 52.03N–.10 177.15E–.05 7–8 4.3b,4.1L **¶620928380**
IDC VII 10 20 42 53.5–.73 52.08N 177.31E 0 3.9,3.8b
AEIC VII 10 20 42 54.2–2.5 51.97N–.06 177.23E–.04 7–6 3.9,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 11 00 08 02.1–.45 52.11N–.05 177.27E–.02 13–2 5.0b,4.6s 866 1-152
MOS VII 11 00 07 59.1–1.0 52.14N 177.37E 5 5.1b,4.5s **¶620787395**
IDC VII 11 00 08 00.6–.51 52.24N 177.32E 0 4.8L,4.5b
BJI VII 11 00 08 01.2 52.51N 176.97E 8 5.2b,5.1s
NEIC VII 11 00 08 01.2–.96 52.23N–.06 177.32E–.05 8–3 5.0b,4.8L
AEIC VII 11 00 08 01.2–1.4 52.04N–.09 177.26E–.05 4–3 5.0b,4.8L
NEIC VII 11 00 08 02 52.25N 177.31E 10 5.0b,4.8L
GFZ VII 11 00 08 02.8–.24 52N–7.0 177E–3.0 10 4.8b,4.7
NEIC VII 11 00 08 03.5 51.85N 177.31E 12 5.1,4.7
GCMT VII 11 00 08 04.0–.10 52.27N–.01 177.26E–.01 12 5.2W,4.7
BGR VII 11 00 08 12.0 52.85N 175.97E 33 5.2b,4.7
ISC Event type ke.
MOS Error ellipse: s-maj=6.6km s-min=4.9km az=113.1.
IDC Error ellipse: s-maj=15.0km s-min=9.0km az=167.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=3.6km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.9km s-min=3.6km az=190.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.51 $M_{\theta\theta}$1.90 $M_{\phi\phi}$-1.39 $M_{r\theta}$-1.65 $M_{\theta\phi}$-5.18 $M_{\phi r}$-2.95 NP1:ϕ_s84.93000°,δ67.43000°,λ-162.86000°. NP2:ϕ_s348.18000°,δ74.21000°,λ-23.51000°. Principal axes: T 5.7249,Plg5.0000°,Azm38.0000°; N 1.2096,Plg62.0000°,Azm136.0000° ; P -6.9345,Plg28.0000°,Azm305.0000° $M_0$6.42000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107110008A. Moment Tensor Solution. s76,c102; s148,c256;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.10 $M_{\theta\theta}$1.25±.11; $M_{\phi\phi}$-0.78±.09; $M_{r\theta}$0.23±.27; $M_{\theta\phi}$-5.92±.07; $M_{\phi r}$-2.73±.24; Best double couple: NP1: ϕ_s85.00000°,δ65.00000°,λ-178.00000°. NP2:ϕ_s354.00000°,δ88.00000°,λ-25.00000°. Principal axes: T 6.7810,Plg16.0000°,Azm43.0000°; N -0.3510,Plg65.0000°,Azm170.0000° ; P -6.4340,Plg19.0000°,Azm307.0000° $M_0$6.60800×10^{16}
BGR Event type ke.
ISC VII 11 00 13 14.4–1.7 52.0N–.10 177.23E–.04 7–11 4.1b 83 1-142
IDC VII 11 00 13 13.4–.90 52.06N 177.21E 0 3.9,3.8b **¶620928386**
NEIC VII 11 00 13 14.5–1.6 52.00N–.10 177.23E–.05 9–5 4.2b,3.9L
AEIC VII 11 00 13 15.5–1.9 52.1N–.10 177.30E–.06 13–4 4.2b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 11 02 11 37.9–.39 52.12N–.04 177.27E–.02 12–2 5.1s,5.1b 867 1-161
BJI VII 11 02 11 33.7 52.33N 177.42E 8 5.6s,5.4b **¶620787398**
AEIC VII 11 02 11 34.5–2.4 51.94N–.07 177.12E–.05 1–3 5.6s,5.4b
IDC VII 11 02 11 35.9–.41 52.13N 177.36E 0 5.0L,4.9s
NEIC VII 11 02 11 36.9 51.80N 177.14E 18 5.4,4.9s
NEIC VII 11 02 11 36.6–2.5 52.10N–.07 177.16E–.05 10–1 5.2b,4.9L
NEIC VII 11 02 11 36.5 52.10N 177.14E 10 5.2b,4.9L
MOS VII 11 02 11 37.8–1.2 52.10N 177.29E 23 5.3b,5.1s
GCMT VII 11 02 11 38.9–.10 52.20N–.01 177.25E–.01 12 5.4W,5.1s
GFZ VII 11 02 11 38.7–.20 52N–6.0 177E–3.0 10 5.0,4.9b
GFZ VII 11 02 11 38.2 51.99N 177.45E 16 5.3W,4.9b
BGR VII 11 02 11 47.1 52.83N 175.81E 33 5.1b,4.8s
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.1km az=183.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.8km s-min=8.6km az=164.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.17 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-0.14 $M_{r\theta}$-0.23 $M_{\theta\phi}$-1.42 $M_{\phi r}$-0.23 NP1:ϕ_s358.37000°,δ82.16000°,λ-7.07000°. NP2:ϕ_s89.34000°,δ82.99000°,λ-172.10000°. Principal axes: T 1.3383,Plg1.0000°,Azm224.0000°; N 0.2330,Plg79.0000°,Azm131.0000° ; P -1.5713,Plg11.0000°,Azm314.0000° $M_0$1.47000×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=4.8km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
MOS Error ellipse: s-maj=7.0km s-min=4.5km az=110.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107110211A. Moment Tensor Solution. s111,c183; s164,c327;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24±.01 $M_{\theta\theta}$-0.11±.02; $M_{\phi\phi}$-0.13±.01; $M_{r\theta}$-0.14±.04; $M_{\theta\phi}$-1.34±.01; $M_{\phi r}$-0.60±.04; Best double couple: NP1: ϕ_s90.00000°,δ65.00000°,λ179.00000°. NP2:ϕ_s181.00000°,δ89.00000°,λ25.00000°. Principal axes: T 1.3230,Plg18.0000°,Azm48.0000°; N 0.2900,Plg65.0000°,Azm184.0000° ; P -1.6130,Plg16.0000°,Azm313.0000° $M_0$1.46800×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.33 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.15 $M_{\theta\phi}$-1.17 $M_{\phi r}$0.01 NP1: ϕ_s179.47103°,δ81.17027°,λ3.26567°. NP2:ϕ_s88.96923°,δ86.77307°,λ171.15613°. Principal axes: T 1.0204,Plg8.5309°,Azm43.9215°; N 0.3203,Plg80.5902°,Azm249.0799° ; P -1.3407,Plg3.9414°,Azm134.5136° $M_0$1.21272×10^{17}
BGR Event type ke.
ISC VII 11 02 32 08.4–1.4 52.0N–.10 177.27E–.05 12–9 3.7b 36 1-73
AEIC VII 11 02 32 04.7–1.1 51.97N–.06 176.97E–.04 9–4 3.7b **¶620823813**
NEIC VII 11 02 32 07.8–1.2 52.02N–.07 177.25E–.06 10–2 3.8L,3.5L
IDC VII 11 02 32 08.0–1.8 52.18N 177.38E 0 3.6L,3.6b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.1km s-min=3.7km az=188.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=5.8km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.6km s-min=13.2km az=4.0.
ISC VII 11 04 22 43.9–1.7 52.0N–.10 177.31E–.05 10–11 3.6b 39 1-81
IDC VII 11 04 22 42.1–1.3 51.95N 177.38E 0 3.6b,3.6 **¶620823814**
NEIC VII 11 04 22 43.0–.79 52.07N–.09 177.16E–.04 10–2 3.6L,3.4L
AEIC VII 11 04 22 44.2–1.3 52.19N–.09 177.29E–.05 13–5 3.6L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 11 06 47 14.9–.99 52.1N–.10 177.04E–.07 8–8 3.7L,3.6b
AEIC VII 11 06 47 14.5–1.6 52.06N–.09 176.93E–.07 8–6 3.7L,3.6b **¶622450600**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 13 16 58 54.6–.83 51.9N–.20 178.42E–.05 120–6 3.6b 37 0-65
AEIC VII 13 16 58 53.9–.79 51.90N–.07 178.5E–.10 119–3 3.6b **¶620816279**
NEIC VII 13 16 58 53.5–.60 51.81N–.08 178.3E–.10 123–4 3.4L,3.0L
IDC VII 13 16 58 56.6–6.2 52.04N 178.51E 135–53 3.6,3.2b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.0km az=216.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.2km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=66.9km s-min=21.9km az=180.0.
ISC VII 31 14 01 24.5–.61 51.95N–.09 177.99E–.03 135–5 4.4b 123 0-149
IDC VII 31 14 01 23.5–1.5 52.04N 178.08E 120–11 4.1,3.6b **¶620925366**
NEIC VII 31 14 01 24.6–1.2 51.88N–.10 178.05E–.09 137–2 4.5b,4.1L
AEIC VII 31 14 01 25.1–1.4 51.85N–.04 177.98E–.10 135–4 4.5b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 26 09 44 59.1–1.1 51.2N–.20 177.60E–.06 50 3.8b 55 1-75
IDC VII 26 09 45 04.0–2.4 51.92N 177.97E 65–18 3.8,3.5b **¶620973829**
NEIC VII 26 09 45 03.1–1.6 51.4N–.10 177.7E–.10 65–11 4.3L,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VIII 20 06 10 38.1–.67 51.7N–.20 179.58E–.07 80–10 3.6L,3.2L
AEIC VIII 20 06 10 37.9–.84 51.7N–.20 179.64E–.07 75–6 3.6L,3.2L **¶622451622**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 08 14 50 25.7–.25 51.50N–.04 175.88E–.02 21–2 5.4b,4.6s 1327 2-161
KRSC VIII 08 14 50 20.1–2.3 51.29N 175.92E 15–23 5.3,5.1L **¶620976432**
IDC VIII 08 14 50 22.8–.41 51.58N 175.95E 0 5.5L,5.0b
MOS VIII 08 14 50 23.3–1.1 51.52N 175.87E 15 5.5b,4.7s
BJI VIII 08 14 50 24.5 51.70N 175.85E 27 5.2b,5.2b
GFZ VIII 08 14 50 24.6–.13 52N–3.0 176E–2.0 10 5.8b,5.4b
GFZ VIII 08 14 50 24.6 51.54N 175.98E 10 5.2W,5.4b
BGR VIII 08 14 50 25.6 50.84N 175.90E 33 5.0b,4.3s
NEIC VIII 08 14 50 26.4 51.60N 175.86E 22 5.0b,4.3s
NEIC VIII 08 14 50 26.3–1.5 51.63N–.05 175.84E–.06 21–3 5.5b,5.1L
NEIC VIII 08 14 50 26.9 51.10N 175.70E 22 5.2,5.1L
AEIC VIII 08 14 50 27.5–2.3 51.42N–.06 175.81E–.04 32–3 5.2,5.1L
GCMT VIII 08 14 50 28.6–.10 51.57N–.01 175.86E–.02 17–0 5.2W,5.1L
ISC Event type ke.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.58 $M_{\theta\theta}$-5.04 $M_{\phi\phi}$1.46 $M_{r\theta}$4.92 $M_{\theta\phi}$-1.92 $M_{\phi r}$0.08 NP1: ϕ_s88.83910°,δ69.59267°,λ104.39112°. NP2:ϕ_s232.49095°,δ24.79303°,λ56.25543°. Principal axes: T 5.9327,Plg62.6846°,Azm21.3574°; N 1.6901,Plg13.4703°,Azm263.7264° ; P -7.6229,Plg23.2890°,Azm167.8085° $M_0$6.93404×10^{16}
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}4.85 $M_{\theta\theta}$-7.09 $M_{\phi\phi}$2.25 $M_{r\theta}$4.13 $M_{\theta\phi}$-1.82 $M_{\phi r}$1.58 NP1:ϕ_s274.18000°,δ28.76000°,λ111.96000°. NP2:ϕ_s69.49000°,δ63.50000°,λ78.40000°. Principal axes: T 6.3861,Plg69.0000°,Azm316.0000°; N 2.4426,Plg10.0000°,Azm75.0000° ; P -8.8287,Plg18.0000°,Azm168.0000° $M_0$7.90000×10^{16}
AEIC Event type se. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108081450A. Moment Tensor Solution. s85,c142; s143,c249;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.82±.15 $M_{\theta\theta}$-6.89±.12; $M_{\phi\phi}$2.06±.10; $M_{r\theta}$4.39±.28; $M_{\theta\phi}$-2.08±.07; $M_{\phi r}$-0.40±.26; Best double couple: NP1: ϕ_s236.00000°,δ31.00000°,λ57.00000°. NP2:ϕ_s93.00000°,δ64.00000°,λ108.00000°. Principal axes: T 6.5360,Plg66.0000°,Azm35.0000°; N 2.1270,Plg16.0000°,Azm265.0000° ; P -8.6730,Plg17.0000°,Azm170.0000° $M_0$7.60400×10^{16}
ISC VIII 08 14 56 48.2–2.2 51.6N–.10 175.84E–.04 30–14 4.2b 82 2-84
IDC VIII 08 14 56 44.0–1.1 51.67N 176.02E 0 4.2L,3.9 **¶621002132**
AEIC VIII 08 14 56 49.0–2.6 51.49N–.08 175.80E–.08 20–3 4.2L,3.9
NEIC VIII 08 14 56 49.2–1.6 51.68N–.08 175.89E–.07 35–2 4.3b,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 08 15 07 23.5–.86 51.5N–.10 175.65E–.06 21 3.8b 42 2-66
IDC VIII 08 15 07 20.9–1.6 51.50N 175.68E 0 3.7s,3.4b **¶621002133**
NEIC VIII 08 15 07 23.3–.64 51.5N–.10 175.7E–.10 17–7 3.8b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VIII 19 16 54 51.7–.75 51.45N–.09 178.86E–.07 57–8 3.6L,3.5b
AEIC VIII 19 16 54 51.6–.95 51.46N–.08 178.93E–.07 51–8 3.6L,3.5b **¶622451609**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 31 12 31 13.4–.84 51.8N–.10 178.38E–.04 115–5 3.6b 98 0-60
NEIC VII 31 12 31 13.0–.90 51.8N–.10 178.37E–.08 116–3 3.7b,3.5L **¶620986125**
IDC VII 31 12 31 12.9–2.6 51.88N 178.36E 105–19 3.5,3.2b
AEIC VII 31 12 31 14.6–1.3 51.8N–.20 178.40E–.07 111–4 3.5,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 08 13 22 01.9–.94 51.59N–.07 175.74E–.03 28–6 4.3b,3.1s 329 2-148
IDC VIII 08 13 21 57.4–.63 51.61N 175.94E 0 4.7L,4.1b **¶620976427**
MOS VIII 08 13 21 58.3–.98 51.58N 175.77E 18 4.6b,4.1b
AEIC VIII 08 13 21 59.3–1.7 51.38N–.08 175.77E–.06 20–3 4.6b,4.1b
NEIC VIII 08 13 22 02.1–1.5 51.6N–.10 175.80E–.08 27–5 4.3b,4.0L
KRSC VIII 08 13 22 03.9–1.7 51.20N 174.99E 59–53 4.3L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=11.2km az=2.0.
MOS Error ellipse: s-maj=8.8km s-min=5.8km az=124.3.
AEIC Event type se. Error ellipse: s-maj=12.3km s-min=5.3km az=193.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=5.2km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

KRSC Event type se.
ISC VIII 20 22 17 42.6–1.4 51.06N–.08 179.63E–.03 31–8 3.9b 73 0-70
AEIC VIII 20 22 17 43.3–1.1 51.09N–.06 179.57E–.06 20–7 3.9b **¶621041316**
NEIC VIII 20 22 17 44.6–1.3 51.18N–.07 179.59E–.06 26–11 3.8b,3.8L
IDC VIII 20 22 17 46.4–3.2 51.25N 179.84E 66–24 3.8,3.5b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.5km az=195.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.4km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.0km s-min=13.5km az=3.0.
NEIC VIII 25 11 16 28.3–.91 50.8N–.10 176.54E–.06 10–8 3.5L,3.3L
AEIC VIII 25 11 16 29.6–1.6 50.92N–.06 176.46E–.06 33–4 3.5L,3.3L **¶622451707**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 22 22 17 08.8–.95 52.07N–.09 175.12E–.04 62–8 4.1b 199 1-148
NEIC VIII 22 22 17 08.9–.85 52.08N–.08 175.13E–.09 65–6 4.1b,4.0L **¶620999705**
AEIC VIII 22 22 17 09.5–4.6 51.95N–.09 175.09E–.09 41–3 4.1b,4.0L
IDC VIII 22 22 17 09.4–1.6 52.25N 175.24E 63–9 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=5.9km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=14.7km s-min=5.7km az=207.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=13.1km az=162.0.
ISC IX 15 05 38 47.1–1.1 51.8N–.10 178.50E–.06 111–6 3.4b 32 0-60
IDC IX 15 05 38 34.2–2.6 51.36N 178.67E 0 3.5L,3.5 **¶621111971**
NEIC IX 15 05 38 46.6–1.1 51.80N–.09 178.46E–.09 113–2 3.1L,2.8L
AEIC IX 15 05 38 48.1–.92 51.82N–.10 178.63E–.08 101–3 3.1L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 10 22 56 27.3–1.8 51.9N–.10 177.04E–.04 7–10 3.9b 59 1-84
IDC IX 10 22 56 26.3–1.1 52.18N 176.71E 0 3.7b,3.7 **¶621108545**
AEIC IX 10 22 56 28.1–1.7 51.98N–.04 177.10E–.05 6–6 3.7b,3.7
NEIC IX 10 22 56 28.4–1.1 51.91N–.07 177.08E–.05 10–1 3.9L,3.9b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 25 10 15 42.6–.57 52.02N–.07 178.25E–.03 126–4 4.7b 309 0-160
IDC VIII 25 10 15 41.7–1.3 52.12N 178.32E 114–10 4.6,4.2b **¶621007045**
BJI VIII 25 10 15 42.9 52.44N 177.82E 127 5.0b,4.9b
NEIC VIII 25 10 15 42.7–1.7 52.0N–.10 178.26E–.08 126–4 4.8b,4.5L
AEIC VIII 25 10 15 42.4–1.8 51.9N–.10 178.18E–.08 130–3 4.8b,4.5L
GCMT VIII 25 10 15 43.5–.30 51.98N–.03 178.35E–.03 127–3 4.9W,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108251015A. Moment Tensor Solution. s22,c28; s92,c125; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.78±.10 $M_{\theta\theta}$-0.88±.13; $M_{\phi\phi}$2.66±.12; $M_{r\theta}$1.02±.09; $M_{\theta\phi}$-0.98±.12; $M_{\phi r}$-1.00±.09; Best double couple: NP1:ϕ_s195.00000°,δ39.00000°,λ-44.00000°. NP2:ϕ_s322.00000°,δ64.00000°,λ-120.00000°. Principal axes:
T 3.2180,Plg14.0000°,Azm73.0000°; N -0.7510,Plg27.0000°,Azm336.0000°
; P -2.4660,Plg59.0000°,Azm188.0000° $M_0$2.84200×10^{16}
ISC IX 10 14 06 05.1–.65 51.9N–.10 179.65E–.04 128–5 3.8b 143 0-85
NEIC IX 10 14 06 05.0–.93 51.86N–.05 179.72E–.09 131–5 3.9b,3.7L **¶621108523**
AEIC IX 10 14 06 05.5–2.0 51.9N–.20 179.76E–.10 121–5 3.9b,3.7L
IDC IX 10 14 06 06.0–2.1 52.10N 179.55E 135–19 3.8,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.8km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=30.2km s-min=8.8km az=181.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.0km s-min=11.9km az=165.0.
ISC X 09 15 46 49.6–.59 51.91N–.08 178.44E–.03 103–4 3.9b 129 0-146
AEIC X 09 15 46 49.4–1.6 51.8N–.20 178.6E–.10 102–5 3.9b **¶621144025**
IDC X 09 15 46 49.1–1.6 51.99N 178.49E 98–12 4.0,3.6b
NEIC X 09 15 46 50.1–1.5 51.8N–.20 178.53E–.09 105–5 4.0b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 20 21 53 52.4–1.1 51.73N–.09 176.43E–.03 49–9 4.3b 172 1-148
IDC IX 20 21 53 45.6–.78 51.79N 176.53E 0 4.1b,4.1 **¶621093577**
AEIC IX 20 21 53 50.4–2.2 51.55N–.10 176.38E–.06 31–4 4.1b,4.1
NEIC IX 20 21 53 52.0–1.8 51.72N–.09 176.43E–.07 42–6 4.3L,4.3b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 18 48 39.9–.87 51.7N–.10 179.76E–.04 106–6 4.0b 110 0-65
NEIC IX 21 18 48 39.2–1.1 51.5N–.10 179.71E–.07 106–5 4.0b,3.9L **¶621116043**
AEIC IX 21 18 48 40.2–1.3 51.7N–.20 179.80E–.07 101–5 4.0b,3.9L
IDC IX 21 18 48 47.1–15 52.01N 179.79E 163–134 3.8,3.8s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=6.0km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=22.4km s-min=5.4km az=185.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.9km s-min=19.5km az=21.0.
ISC X 02 22 01 53.0–.99 51.9N–.20 178.42E–.04 119–7 3.5b 44 0-128
IDC X 02 22 01 51.4–2.9 51.80N 178.56E 106–21 3.7,3.2b **¶621186091**
NEIC X 02 22 01 53.4–1.8 51.8N–.20 178.41E–.10 112–6 3.8b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC X 13 20 56 27.5–1.8 51.7N–.10 176.58E–.07 35–1 3.9b,3.4L
AEIC X 13 20 56 27.2–1.9 51.7N–.10 176.58E–.07 27–8 3.9b,3.4L **¶621148203**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 14 21 30 53.3–1.1 51.8N–.10 176.75E–.04 69–9 3.9b 96 1-61
NEIC X 14 21 30 53.6–1.1 51.8N–.20 176.76E–.08 66–10 4.1b,4.1L **¶621196196**
AEIC X 14 21 30 54.7–3.8 51.8N–.10 176.77E–.07 46–8 4.1b,4.1L
IDC X 14 21 30 55.3–2.7 52.17N 176.83E 78–17 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=5.6km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=20.1km s-min=5.8km az=188.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.1km s-min=14.0km az=3.0.
ISC X 23 03 10 01.9–.29 51.47N–.04 178.85E–.03 51–2 5.1b,4.0s 692 0-160
AEIC X 23 03 10 01.7–2.3 51.42N–.06 178.81E–.06 42–4 5.1b,4.0s **¶621237736**
BJI X 23 03 10 01.3 51.80N 178.51E 50 5.3b,5.2s
GFZ X 23 03 10 01.8–.19 52N–4.0 179E–2.0 44–1 5.6b,5.1b
MOS X 23 03 10 01.3–1.0 51.61N 178.87E 56 5.2b,5.1b
NEIC X 23 03 10 03.2–1.8 51.57N–.07 178.84E–.06 55–2 5.1b,5.1L
IDC X 23 03 10 03.7–1.5 51.65N 178.88E 62–11 4.8,4.5b
GCMT X 23 03 10 05.5–.50 51.57N–.03 178.93E–.04 57–2 4.9W,4.5b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110230310A. Moment Tensor Solution. s38,c42; s66,c79; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.57±.19 $M_{\theta\theta}$-2.78±.12; $M_{\phi\phi}$0.21±.15; $M_{r\theta}$0.08±.15; $M_{\theta\phi}$-1.13±.10; $M_{\phi r}$0.89±.09; Best double couple: NP1:ϕ_s270.00000°,δ45.00000°,λ118.00000°. NP2:ϕ_s53.00000°,δ52.00000°,λ65.00000°. Principal axes:
T 2.8830,Plg70.0000°,Azm261.0000°; N 0.3000,Plg20.0000°,Azm69.0000°
; P -3.1820,Plg4.0000°,Azm161.0000° $M_0$3.03300×10^{16}
ISC X 14 18 31 28.3–.92 51.47N–.09 178.84E–.04 70–6 4.0b 90 0-60
NEIC X 14 18 31 27.7–1.3 51.39N–.10 178.81E–.07 67–8 4.0b,3.9L **¶621196188**
AEIC X 14 18 31 28.7–1.2 51.49N–.09 178.91E–.07 62–6 4.0b,3.9L
IDC X 14 18 31 29.1–3.1 51.68N 178.89E 72–23 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=5.9km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.3km az=192.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.6km s-min=13.7km az=6.0.
ISC X 19 23 30 06.0–.51 50.25N–.04 178.76E–.04 12–2 4.8b,3.9s 580 1-151
BJI X 19 23 30 02.8 50.29N 178.73E 6 5.0b,5.0b **¶621221474**
IDC X 19 23 30 03.6–.49 50.13N 178.84E 0 4.8L,4.6
MOS X 19 23 30 04.6–.94 50.14N 178.78E 16 5.0b,4.6
NEIC X 19 23 30 05.9–1.4 50.29N–.05 178.75E–.10 10–1 4.9b,4.4L
GFZ X 19 23 30 06.7–.23 50N–6.0 178E–3.0 10 6.7b,6.5
GCMT X 19 23 30 08.0–.30 50.16N–.02 178.68E–.05 19–1 4.8W,6.5
AEIC X 19 23 30 09.6–2.6 50.39N–.03 178.6E–.10 29–3 4.8W,6.5
KRSC X 19 23 30 11.5–2.1 50.27N 177.78E 15–45 5.1L,6.5
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=10.6km az=174.0.
MOS Error ellipse: s-maj=7.9km s-min=3.8km az=132.3.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.0km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110192330A. Moment Tensor Solution. s18,c19; s91,c121; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.04±.15 $M_{\theta\theta}$1.91±.10; $M_{\phi\phi}$0.13±.08; $M_{r\theta}$-0.50±.17; $M_{\theta\phi}$-0.51±.05; $M_{\phi r}$-0.04±.21; Best double couple: NP1:ϕ_s289.00000°,δ39.00000°,λ-83.00000°. NP2:ϕ_s100.00000°,δ52.00000°,λ-96.00000°. Principal axes:
T 2.0980,Plg7.0000°,Azm194.0000°; N 0.0140,Plg4.0000°,Azm104.0000°
; P -2.1070,Plg82.0000°,Azm340.0000° $M_0$2.10300×10^{16}
AEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.8km az=99.0. hypocenter. manual.
KRSC Event type se.
ISC X 21 18 01 20.2–.71 51.80N–.10 178.50E–.04 101–5 3.9b 124 0-142
IDC X 21 18 01 19.5–2.4 51.87N 178.56E 93–21 3.9,3.6b **¶621261420**
NEIC X 21 18 01 20.1–1.5 51.8N–.10 178.43E–.10 97–6 4.0b,3.6L
AEIC X 21 18 01 21.9–2.6 51.8N–.10 178.6E–.10 83–5 4.0b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 15 09 35 38.0–.56 51.96N–.09 178.47E–.03 114–4 3.9b 135 0-90
AEIC X 15 09 35 36.7–1.1 51.8N–.10 178.45E–.05 120–3 3.9b **¶621203269**
NEIC X 15 09 35 38.2–1.2 51.97N–.07 178.52E–.08 114–3 3.9b,3.8L
IDC X 15 09 35 38.3–.83 51.97N 178.41E 112–6 4.1,3.7b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=18.3km s-min=3.6km az=190.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.8km az=203.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.0km s-min=8.4km az=7.0.
ISC X 24 04 16 10.4–1.8 51.7N–.10 176.83E–.04 11–11 3.7b 63 1-84
IDC X 24 04 16 08.7–1.2 51.86N 176.94E 0 3.6b,3.6 **¶621238329**
NEIC X 24 04 16 11.0–1.3 51.76N–.07 176.85E–.04 10–1 3.6L,3.4L
AEIC X 24 04 16 12.3–2.3 51.72N–.08 176.80E–.04 30–5 3.6L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 30 18 01 51.2–.98 52.0N–.10 176.73E–.05 100–8 3.9b,3.3L
AEIC X 30 18 01 50.3–1.1 51.9N–.20 176.75E–.09 104–7 3.9b,3.3L **¶622506069**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XI 18 14 13 45.9–.47 51.74N–.08 176.45E–.02 25–12 3.6L,3.4L
AEIC XI 18 14 13 44.6–.82 51.6N–.10 176.35E–.08 33–8 3.6L,3.4L **¶621416127**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XI 04 09 57 25.7–.61 50.22N–.01 179.4E–.10 10–2 2.9L,2.8L
AEIC XI 04 09 57 25.6–.96 50.25N–.05 179.4E–.10 4–7 2.9L,2.8L **¶622506131**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 11 06 34 51.6–.86 51.23N–.06 178.97E–.03 32–4 4.6b,3.8s 341 0-146
MOS XI 11 06 34 50.4–.99 51.28N 179.05E 36 4.8b,3.8s **¶621392766**
NEIC XI 11 06 34 51–1.4 51.17N–.04 178.94E–.06 28–4 4.6b,4.5L
AEIC XI 11 06 34 51.1–1.9 51.12N–.04 178.92E–.09 11–4 4.6b,4.5L
GFZ XI 11 06 34 53.2–1.8 51N–9.0 179E–4.0 33–14 7.6,7.5b
IDC XI 11 06 34 54.5–2.2 51.32N 179.07E 57–17 4.4,4.2L
ISC Event type se.
MOS Error ellipse: s-maj=10.4km s-min=7.5km az=102.4.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.5km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.1km az=105.0. hypocenter. manual.
GFZ Error ellipse: s-maj=19.5km s-min=7.6km az=179.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=18.6km s-min=10.8km az=175.0.
ISC XI 29 18 36 10.8–.91 51.43N–.07 179.06E–.04 54–7 3.8b 77 0-62
IDC XI 29 18 36 02.9–2.5 51.48N 178.59E 0 3.6b,3.6 **¶621626988**
NEIC XI 29 18 36 11.7–1.2 51.53N–.09 179.11E–.04 57–8 3.9b,3.7L
AEIC XI 29 18 36 11.2–1.4 51.47N–.05 179.16E–.04 48–6 3.9b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 21 10 20 25.0–3.0 50.23N–.07 178.80E–.05 11–19 3.9b 83 1-61
IDC XI 21 10 20 23.2–2.0 49.99N 178.74E 0 3.7,3.6b **¶621608909**
NEIC XI 21 10 20 27.5–1.1 50.19N–.09 178.8E–.10 33–8 4.0b,3.7L
AEIC XI 21 10 20 29.3–2.2 50.33N–.04 178.96E–.08 31–6 4.0b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XII 02 05 07 04.9–.57 50.96N–.07 179.62E–.04 28–10 3.1L,2.9L
AEIC XII 02 05 07 05.0–.59 50.95N–.06 179.60E–.06 27–7 3.1L,2.9L **¶622511941**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 02 06 04 43.6–.52 51.23N–.05 178.55E–.03 30–3 4.6b,3.7s 355 1-150
BJI XII 02 06 04 38.5 51.17N 179.10E 33 4.8b,3.7s **¶621606967**
IDC XII 02 06 04 38.8–.60 51.24N 178.61E 0 4.4b,4.4
MOS XII 02 06 04 41.8–1.1 51.27N 178.52E 29 4.8b,4.4
NEIC XII 02 06 04 44.4–1.5 51.32N–.06 178.50E–.08 35–1 4.6L,4.5b
AEIC XII 02 06 04 44.3–1.8 51.31N–.05 178.63E–.09 15–4 4.6L,4.5b
GFZ XII 02 06 04 45.8–.30 51.23N–8.0 179E–3.0 42–2 4.9L,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 03 10 29 05.7–.26 52.10N–.04 178.23E–.03 129–1 4.8b 696 0-149
BJI XII 03 10 29 03.3 52.20N 178.42E 135 5.4b,4.9b **¶621611403**
AEIC XII 03 10 29 04.0–2.3 52.01N–.08 178.29E–.08 136–3 5.4b,4.9b
GFZ XII 03 10 29 05.8–.80 52N–8.0 178E–3.0 126–8 4.7b,4.7
IDC XII 03 10 29 05.4–.44 52.11N 178.31E 125–3 4.8,4.4s
NEIC XII 03 10 29 05.7–1.4 52.13N–.09 178.26E–.08 129–4 4.8b,4.7L
MOS XII 03 10 29 05.1–.92 52.13N 178.30E 136 4.8b,4.7L
GCMT XII 03 10 29 06.0–.40 52.00N–.04 178.28E–.05 126–6 4.9W,4.7L
KRSC XII 03 10 29 07.1–1.7 52.29N 177.95E 130–17 5.0L,4.7L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.8km az=180.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=10.2km s-min=6.2km az=175.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.8km az=186.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.2km s-min=5.0km az=133.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112031029A. Moment Tensor Solution. s11,c12; s93,c115; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.46±.15 $M_{\theta\theta}$0.08±.26; $M_{\phi\phi}$2.38±.23; $M_{r\theta}$1.31±.16; $M_{\theta\phi}$0.89±.26; $M_{\phi r}$-1.27±.13; Best double couple: NP1:ϕ_s222.00000°,δ42.00000° ,λ-49.00000°. NP2:ϕ_s352.00000°,δ60.00000°,λ-120.00000°. Principal axes: T 2.8230,Plg10.0000°,Azm103.0000°; N 0.5920,Plg26.0000°,Azm8.0000° ; P -3.4130,Plg62.0000°,Azm213.0000° $M_0$3.11800×10^{16}
KRSC Event type se.
ISC XII 02 02 26 59.9–.42 51.06N–.04 179.73E–.02 30–2 5.6b,4.5s 1108 0-160
MOS XII 02 02 26 55.9–.85 51.21N 179.69E 12 5.5b,4.8s **¶621606951**
BJI XII 02 02 26 57.9 51.51N 178.96E 6 5.5b,5.1s
NEIC XII 02 02 26 59.6 50.45N 179.61E 24 5.2,5.1s
NEIC XII 02 02 26 59.1 50.95N 179.61E 22 5.2,5.1s
NEIC XII 02 02 26 59.3–1.4 50.97N–.05 179.60E–.05 22–2 5.7b,5.4L
AEIC XII 02 02 27 01.0–1.4 51.03N–.05 179.64E–.06 34–2 5.7b,5.4L
IDC XII 02 02 27 00.1–1.7 51.19N 179.68E 30–11 5.0,4.8b
GFZ XII 02 02 27 01.2–.28 51N–3.0 180E–2.0 34–2 6.0b,5.7L
GCMT XII 02 02 27 03.0–.20 51.03N–.01 179.59E–.01 27–0 5.3W,5.7L
BGR XII 02 02 27 08.2 52.15N 178.42E 33 5.2b,4.5s
ISC Event type ke.
MOS Error ellipse: s-maj=8.1km s-min=4.8km az=107.4.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}1.70 $M_{\theta\theta}$-1.30 $M_{\phi\phi}$-0.40 $M_{r\theta}$3.00 $M_{\theta\phi}$-6.58 $M_{\phi r}$-1.76 NP1:ϕ_s185.80000°,δ64.40000° ,λ17.16000°. NP2:ϕ_s88.20000°,δ74.56000°,λ153.37000°. Principal axes: T 7.6369,Plg30.0000°,Azm45.0000°; N -0.0771,Plg60.0000°,Azm240.0000° ; P -7.5597,Plg7.0000°,Azm139.0000° $M_0$7.60000×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.6km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.6km az=200.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.5km s-min=9.3km az=173.0.
GFZ Error ellipse: s-maj=6.1km s-min=4.1km az=174.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112020226A. Moment Tensor Solution. s92,c145; s133,c230;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.30±.02 $M_{\theta\theta}$-0.25±.02; $M_{\phi\phi}$-0.04±.01; $M_{r\theta}$0.27±.03; $M_{\theta\phi}$-0.75±.01; $M_{\phi r}$-0.64±.04; Best double couple: NP1: ϕ_s86.00000°,δ53.00000°,λ159.00000°. NP2:ϕ_s189.00000°,δ73.00000°,λ39.00000°. Principal axes: T 1.1450,Plg39.0000°,Azm54.0000°; N -0.1870,Plg48.0000°,Azm209.0000° ; P -0.9580,Plg13.0000°,Azm313.0000° $M_0$1.05100×10^{17}
BGR Event type ke.
NEIC XII 04 17 58 16.4–1.2 50.93N–.09 179.5E–.10 29–12 3.8b,3.3L
AEIC XII 04 17 58 17.3–1.1 51.01N–.07 179.63E–.07 22–8 3.8b,3.3L **¶621612464**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 13 13 29 20.5–2.4 51.5N–.10 176.33E–.04 30–17 4.0b 81 1-84
IDC XII 13 13 29 14.8–1.1 51.46N 176.52E 0 3.9,3.8b **¶621650572**
AEIC XII 13 13 29 21.9–1.7 51.6N–.10 176.42E–.07 33–5 3.9,3.8b
NEIC XII 13 13 29 22.5–.90 51.6N–.10 176.35E–.07 42–8 4.1b,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 09 23 49 25.7–1.5 51.04N–.07 179.58E–.03 25–9 4.3s,4.2b 110 0-150
AEIC XII 09 23 49 26.5–1.3 51.05N–.04 179.61E–.06 19–3 4.3s,4.2b **¶621626210**
NEIC XII 09 23 49 27.5–1.6 51.11N–.03 179.62E–.04 25–9 4.2b,4.2L
IDC XII 09 23 49 34.0–2.7 51.34N 179.72E 87–20 4.1,4.0s
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.4km az=210.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.1km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.5km s-min=11.9km az=175.0.
ISC XII 09 19 18 56.6–.99 51.92N–.09 178.32E–.03 9–5 4.2b,3.1s 112 0-81
NEIC XII 09 19 18 56.6–1.4 51.9N–.10 178.30E–.05 10–1 4.3b,3.7L **¶621626196**
AEIC XII 09 19 18 56.4–2.3 52.0N–.20 178.41E–.07 4–5 4.3b,3.7L
IDC XII 09 19 19 02.3–3.0 51.89N 178.27E 56–24 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=5.1km az=1.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=25.8km s-min=4.5km az=189.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.0km s-min=14.1km az=177.0.
ISC XII 10 19 26 24.8–1.4 51.82N–.07 178.27E–.04 8–8 4.0b,2.8s 99 0-81
IDC XII 10 19 26 21.9–1.2 51.49N 178.25E 0 3.8,3.7L **¶621627502**
AEIC XII 10 19 26 25.3–1.9 51.9N–.20 178.38E–.05 3–5 3.8,3.7L
NEIC XII 10 19 26 25.8–1.4 51.9N–.10 178.31E–.05 10–5 4.2b,4.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 10 19 45 18.1–.66 51.89N–.06 178.37E–.03 16–3 4.4b,3.4s 297 0-149
AEIC XII 10 19 45 16.7–1.8 52.0N–.10 178.37E–.04 3–3 4.4b,3.4s **¶621627305**
NEIC XII 10 19 45 17.2–1.5 51.92N–.10 178.30E–.04 10–2 4.5b,4.1L
MOS XII 10 19 45 19.3–.97 51.97N 178.35E 38 4.7b,4.1L
IDC XII 10 19 45 22.2–2.4 52.01N 178.29E 41–19 4.2,4.1L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=16.1km s-min=3.7km az=184.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=3.7km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.4km s-min=7.9km az=106.7.
IDC Error ellipse: s-maj=19.5km s-min=10.9km az=171.0.
NEIC XII 10 19 48 00.4–.62 52.10N–.03 178.41E–.04 10–2 3.2L,2.4L
AEIC XII 10 19 48 01.6–3.3 52.0N–.10 178.44E–.04 4–2 3.2L,2.4L **¶622512108**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XII 10 20 15 58.5–2.1 51.91N–.08 178.28E–.05 10–1 4.1b,3.3L
AEIC XII 10 20 15 57.3–3.7 51.98N–.09 178.36E–.06 1–5 4.1b,3.3L **¶621627508**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 18 02 14 58.4–.78 51.9N–.10 179.00E–.05 134–5 3.4b 58 0-85
IDC XII 18 02 14 42.5–1.1 51.69N 178.76E 0 3.6s,3.3b **¶621656965**
NEIC XII 18 02 14 58.5–1.3 51.9N–.20 179.03E–.04 132–4 3.9b,3.4L
AEIC XII 18 02 14 59.5–2.7 51.9N–.20 179.11E–.07 121–4 3.9b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 17 10 53 49.0–.80 51.86N–.07 178.09E–.03 10–4 4.4b,3.4s 221 0-142
MOS XII 17 10 53 47.5–.93 51.94N 178.12E 11 4.6b,3.4s **¶621631592**
NEIC XII 17 10 53 49.0–1.5 51.9N–.10 178.09E–.02 10–1 4.4b,4.0L
AEIC XII 17 10 53 49.9–2.1 52.0N–.10 178.20E–.06 5–4 4.4b,4.0L
IDC XII 17 10 53 53.7–3.0 52.09N 178.05E 37–25 4.1,4.0L
ISC Event type se.
MOS Error ellipse: s-maj=10.3km s-min=7.7km az=84.4.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=2.8km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=20.4km s-min=4.4km az=190.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=10.9km az=1.0.
ISC XII 15 10 24 48.0–.59 52.01N–.09 178.27E–.04 131–5 4.2b 156 0-149
IDC XII 15 10 24 46.6–1.6 52.03N 178.34E 118–13 4.2,3.8b **¶621630239**
NEIC XII 15 10 24 48.0–1.2 52.0N–.10 178.28E–.08 132–3 4.3b,3.8L
AEIC XII 15 10 24 49.1–1.4 51.9N–.10 178.31E–.08 130–2 4.3b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 30 11 13 19.6–1.8 50.5N–.10 176.99E–.05 45–19 51 2-38
IDC XII 30 11 13 17.6–3.8 50.96N 177.22E 0 3.5,3.2L **¶621657639**
AEIC XII 30 11 13 19.0–1.2 50.45N–.06 177.21E–.10 22–8 3.5,3.2L
NEIC XII 30 11 13 19.4–.65 50.5N–.10 177.1E–.10 31–9 3.6L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 26 18 17 39.5–.75 52.1N–.10 176.19E–.05 21–4 3.8b 60 1-84
IDC XII 26 18 17 36.5–.98 52.08N 176.25E 0 3.6,3.5b **¶621653690**
AEIC XII 26 18 17 39.5–2.6 51.9N–.10 176.10E–.09 36–8 3.6,3.5b
NEIC XII 26 18 17 40.1–2.3 51.9N–.10 176.10E–.09 35–2 3.9b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

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ISC VII 03 00 09 20.1–1.0 51.8N–.10 174.88W–.06 76 3.5b 75 1-56
IDC VII 03 00 09 06.3–4.2 51.92N 175.87W 0 4.2L,3.7 **¶620733160**
AEIC VII 03 00 09 20–1.8 52.2N–.20 175.00W–.08 73–8 4.2L,3.7
NEIC VII 03 00 09 21.3–1.1 52.0N–.20 175.0W–.10 76–18 4.2L,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 04 19 05 21.8–1.3 51.28N–.10 178.05W–.03 41–11 3.8b,3.0s 107 0-151
IDC VII 04 19 05 16.3–.76 51.40N 178.20W 0 3.8b,3.8 **¶620733590**
AEIC VII 04 19 05 21.6–.93 51.23N–.05 177.98W–.04 26–7 3.8b,3.8
NEIC VII 04 19 05 22.2–1.4 51.25N–.07 178.00W–.03 42–15 4.2L,3.9b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 05 01 47 04.0–.78 51.6N–.10 177.03W–.05 73–6 3.7L,3.6b
AEIC VII 05 01 47 03.9–.99 51.8N–.10 177.05W–.08 72–3 3.7L,3.6b **¶622448989**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 05 02 14 06.7–.96 51.22N–.07 178.31W–.02 20–6 3.6b 96 0-58
IDC VII 05 02 13 51.9–15 51.13N 179.20E 0 3.3,3.2b **¶620733784**
AEIC VII 05 02 14 07.9–1.7 51.23N–.04 178.27W–.04 23–7 3.3,3.2b
NEIC VII 05 02 14 07.8–1.8 51.20N–.05 178.27W–.03 27–11 3.9L,3.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 06 09 08 30.1–1.4 51.4N–.10 176.92W–.03 46–11 3.7b 123 0-120
IDC VII 06 09 08 23.5–2.8 51.26N 177.03W 0 3.5b,3.5 **¶620928018**
NEIC VII 06 09 08 30.2–.90 51.42N–.01 176.90W–.07 49–7 4.2L,3.7b
AEIC VII 06 09 08 30.5–2.0 51.43N–.04 176.92W–.05 38–6 4.2L,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 09 19 14 58.3–1.0 51.63N–.07 175.18W–.03 48–8 4.6b,3.5s 345 1-152
AEIC VII 09 19 14 57.8–2.1 51.61N–.06 175.17W–.04 27–3 4.6b,3.5s **¶620786500**
BJI VII 09 19 14 57.6 52.35N 175.19W 55 4.9b,4.8b
NEIC VII 09 19 14 59.0–1.7 51.69N–.07 175.21W–.05 52–5 4.8L,4.6b
GFZ VII 09 19 14 59.6–.19 52N–5.0 176W–3.0 65 4.7b,4.7
IDC VII 09 19 15 00.7–2.4 51.78N 175.23W 63–21 4.2,3.9b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.6km az=168.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.0km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=16.0km s-min=8.9km az=166.0.
ISC VII 11 17 04 36.0–.25 51.73N–.04 175.93W–.02 55–1 5.3b,4.0s 874 0-160
BGR VII 11 17 04 29.2 50.63N 179.03W 33 4.2b,4.0s **¶620787476**
BJI VII 11 17 04 34.8 52.03N 175.95W 63 5.2b,4.9b
AEIC VII 11 17 04 36.2–2.8 51.59N–.07 175.88W–.08 35–3 5.2b,4.9b
MOS VII 11 17 04 36.1–.90 51.94N 175.98W 65 5.0b,4.1s
IDC VII 11 17 04 36.0–.37 51.93N 175.98W 52–2 4.6,4.3b
GFZ VII 11 17 04 36.6–.18 52N–4.0 176W–2.0 49–1 5.2b,5.1
NEIC VII 11 17 04 37.1–2.0 51.77N–.08 175.93W–.08 58–3 5.6L,5.3b
GCMT VII 11 17 04 38.3–.30 51.70N–.02 175.86W–.03 55–1 5.0W,5.3b
ISC Event type ke.
BGR Event type ke.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107111704A. Moment Tensor Solution. s52,c70; s96,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.32±.15 $M_{\theta\theta}$-3.02±.11; $M_{\phi\phi}$-0.29±.11; $M_{r\theta}$0.89±.09; $M_{\theta\phi}$-1.45±.07; $M_{\phi r}$0.99±.07; Best double couple: NP1:ϕ_s256.00000°,δ36.00000° ,λ106.00000°. NP2:ϕ_s57.00000°,δ55.00000°,λ79.00000°. Principal axes: T 3.6150,Plg77.0000°,Azm291.0000°; N 0.2400,Plg9.0000°,Azm64.0000° ; P -3.8520,Plg10.0000°,Azm155.0000° $M_0$3.73400×10^{16}
ISC VII 18 20 30 13.0–.97 51.70N–.09 175.15W–.04 48–8 3.9b,2.9s 104 1-152
AEIC VII 18 20 30 10.9–1.9 51.59N–.07 175.07W–.05 26–3 3.9b,2.9s **¶620833398**
NEIC VII 18 20 30 13.3–1.9 51.78N–.09 175.19W–.05 49–2 4.0L,3.9b
IDC VII 18 20 30 22.8–6.2 52.04N 175.01W 141–55 3.7,3.2b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=10.0km s-min=3.5km az=163.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=3.8km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.7km s-min=16.5km az=6.0.
NEIC VII 20 13 21 40.2–.98 51.04N–.07 176.35W–.09 25–5 3.8L,3.6b
AEIC VII 20 13 21 40.7–1.2 51.06N–.05 176.33W–.05 25–7 3.8L,3.6b **¶620837793**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 21 08 04 38.6–1.2 51.1N–.10 176.21W–.06 35 3.7b 42 1-86

IDC VII 21 08 04 30.0–2.8 50.30N 176.31W 0 3.7,3.4b ¶620961643
NEIC VII 21 08 04 40.6–1.6 51.29N–.07 176.4W–.10 37–12 3.8L,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 21 11 03 43.0–1.0 51.96N–.05 177.80W–.02 5–7 4.3b,3.4s 293 0-151
AEIC VII 21 11 03 42.6–1.1 51.9N–.10 177.80W–.03 9–4 4.3b,3.4s ¶620840366
IDC VII 21 11 03 43.0–.60 52.06N 177.69W 0 4.2L,4.1
NEIC VII 21 11 03 43.4–1.1 51.95N–.08 177.84W–.03 8–5 4.3b,4.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 15 10 49.9–1.1 51.2N–.10 176.46W–.06 35 3.9b 34 1-86
IDC VII 24 15 10 43.3–7.7 50.81N 176.62W 0 3.7,3.6b ¶620970229
NEIC VII 24 15 10 52.0–1.4 51.32N–.10 176.5W–.10 55–15 3.6b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 15 15 17.3–.85 51.5N–.10 173.51W–.06 37 3.8b 48 2-88
NEIC VII 24 15 15 16.6–1.6 51.4N–.20 173.6W–.10 61–15 3.8L,3.8b ¶620970230
IDC VII 24 15 15 20.0–3.5 51.76N 173.33W 56–30 3.8,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=9.5km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.1km s-min=16.8km az=171.0.
ISC VII 24 18 11 02.5–.56 51.19N–.08 176.44W–.04 35 4.2b,3.1s 140 1-152
NEIC VII 24 18 11 01.8–2.2 51.19N–.07 176.45W–.08 29–7 4.2L,4.1b ¶620845800
IDC VII 24 18 11 08.8–2.7 51.30N 176.46W 90–22 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.4km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.1km s-min=10.7km az=178.0.
ISC VII 26 18 08 35.1–.89 51.10N–.05 176.55W–.03 15–4 4.1b,2.9s 128 1-152
IDC VII 26 18 08 33.8–.96 51.44N 176.64W 0 4.3L,3.9b ¶620847094
NEIC VII 26 18 08 34.9–1.6 51.09N–.04 176.58W–.07 10–1 4.3L,4.0b
AEIC VII 26 18 08 36.1–1.3 51.08N–.06 176.49W–.06 16–3 4.3L,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 24 13 30 07.9–.70 51.4N–.10 176.57W–.05 47 4.1b 59 1-152
IDC VII 24 13 30 02.5–.92 51.88N 176.56W 0 4.8s,4.0b ¶620845675
NEIC VII 24 13 30 06.4–1.9 51.22N–.08 176.43W–.09 35–2 4.3L,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 25 12 18 25.7–.91 51.3N–.10 176.54W–.05 47 4.2b 69 1-86
NEIC VII 25 12 18 24.5–1.3 51.25N–.07 176.50W–.08 35–2 4.0L,3.8b ¶620845935
IDC VII 25 12 18 26.7–4.5 51.49N 176.56W 52–30 4.1,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.7km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.6km s-min=16.5km az=177.0.
ISC VII 26 19 03 04.8–1.3 51.08N–.07 176.45W–.03 24–8 4.0b,2.9s 121 1-86
AEIC VII 26 19 03 04.4–1.6 51.04N–.04 176.46W–.06 14–4 4.0b,2.9s ¶620847100
NEIC VII 26 19 03 05.2–1.5 51.09N–.05 176.47W–.06 23–7 4.3L,3.9b
IDC VII 26 19 03 07.9–2.7 51.32N 176.36W 43–24 4.0,3.8L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=5.8km s-min=5.3km az=96.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=2.5km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=11.7km az=169.0.
ISC VII 28 17 31 12.5–1.3 51.26N–.06 177.93W–.03 33–6 3.9b 100 0-86
IDC VII 28 17 31 08.2–1.5 51.01N 177.44W 0 3.6,3.5b ¶620857684
AEIC VII 28 17 31 12.5–1.2 51.25N–.05 177.94W–.04 26–6 3.6,3.5b
NEIC VII 28 17 31 13.1–1.0 51.27N–.06 177.93W–.04 38–11 4.3L,4.0b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 26 09 47 10.8–.85 51.6N–.10 176.16W–.06 47 3.7b 43 0-152
IDC VII 26 09 46 59.9–.92 53.55N 178.06W 0 4.2L,3.7b ¶622450773
NEIC VII 26 09 47 11.1–1.8 51.5N–.10 176.2W–.10 48–10 4.3L,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 30 13 55 39.0–1.3 51.42N–.04 176.08W–.03 35–2 3.5L,2.9L
AEIC VII 30 13 55 37.9–1.3 51.39N–.05 176.04W–.02 29–7 3.5L,2.9L ¶622451062
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 01 17 28 04.8–1.3 51.26N–.09 178.17W–.03 43–10 4.0b,3.4s 118 1-151
AEIC VIII 01 17 28 04.0–1.5 51.19N–.05 178.16W–.05 26–6 4.0b,3.4s ¶620925730
NEIC VIII 01 17 28 05.9–1.7 51.33N–.09 178.18W–.03 47–10 4.3L,4.0b
IDC VIII 01 17 28 05.7–3.0 51.40N 178.24W 47–27 4.0L,3.9
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.4km az=172.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=1.9km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.8km s-min=13.9km az=156.0.
ISC VII 31 21 52 21.3–1.5 51.0N–.10 179.51W–.03 47–11 3.9b 129 1-80
IDC VII 31 21 52 15.6–2.1 51.26N 179.42W 0 4.2L,3.8 ¶620925387
NEIC VII 31 21 52 20.6–2.6 51.00N–.06 179.47W–.05 35–2 3.9L,3.9b
AEIC VII 31 21 52 21.2–2.6 51.01N–.08 179.47W–.05 32–6 3.9L,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 01 03 53 43.5–2.5 50.9N–.10 172.93W–.06 13–13 3.3b 36 2-62
IDC VIII 01 03 53 42.6–2.7 51.04N 172.74W 0 3.5b,3.4 ¶620986169
NEIC VIII 01 03 53 43.6–1.1 50.89N–.04 172.93W–.03 10–2 3.1L,2.7L
AEIC VIII 01 03 53 47.9–1.2 50.92N–.06 173.41W–.09 13–8 3.1L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 02 08 48 25.9–.54 51.8N–.30 176.43W–.09 69–6 3.5L,2.8L
AEIC VIII 02 08 48 25.4–.77 51.8N–.20 176.42W–.09 68–5 3.5L,2.8L ¶622451190
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 03 04 32 24.1–2.9 50.8N–.10 172.94W–.04 2–14 3.8b 70 2-71
NEIC VIII 03 04 32 25.9–1.7 50.79N–.04 172.88W–.02 10–2 3.8b,3.3L ¶620995845
IDC VIII 03 04 32 25.2–2.6 50.86N 172.85W 0 3.5b,3.4L
AEIC VIII 03 04 32 29.2–3.1 50.61N–.08 173.0W–.10 0–6 3.5b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 05 13 42 33.5–1.4 51.39N–.07 175.93W–.07 30–12 3.8L,3.6b
AEIC VIII 05 13 42 34.3–1.2 51.45N–.07 175.97W–.06 38–9 3.8L,3.6b ¶622451287
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 08 15 55 07.4–2.6 51.23N–.09 174.77W–.05 25–17 4.0b 63 1-91
IDC VIII 08 15 55 01.6–3.3 50.95N 174.50W 0 3.7b,3.6 ¶621002135
NEIC VIII 08 15 55 08.6–1.0 51.28N–.04 174.82W–.02 27–6 3.9b,3.5L
AEIC VIII 08 15 55 08.2–1.3 51.25N–.04 174.78W–.07 28–5 3.9b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 08 05 41 53.9–.89 51.29N–.06 178.21W–.03 35–2 3.6L,3.2L
AEIC VIII 08 05 41 53.0–.87 51.27N–.06 178.18W–.03 35–10 3.6L,3.2L ¶622451342
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 08 08 17 36.3–.73 51.26N–.06 174.79W–.05 11–4 3.6L,3.1L
AEIC VIII 08 08 17 36.8–.93 51.27N–.05 174.81W–.03 7–6 3.6L,3.1L ¶622451346
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 09 13 39 59.5–.65 52.0N–.10 179.60W–.03 170–6 4.0b 130 0-150
IDC VIII 09 13 39 58.1–2.1 52.25N 179.64W 152–23 3.9,3.5b ¶620979034
NEIC VIII 09 13 39 59.7–1.4 52.0N–.20 179.60W–.10 169–7 4.0b,3.6L
AEIC VIII 09 13 40 00.2–1.4 52.0N–.20 179.57W–.10 170–3 4.0b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 11 17 02 43.0–1.3 51.44N–.06 175.97W–.03 33–5 3.7b 71 1-91
IDC VIII 11 17 02 38.0–1.4 51.56N 176.21W 0 3.6b,3.6 ¶621009342
AEIC VIII 11 17 02 43.6–1.8 51.48N–.04 175.94W–.04 34–5 3.6b,3.6
NEIC VIII 11 17 02 44.3–1.8 51.47N–.05 175.97W–.06 35–2 3.9L,3.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 17 32 14.5–.99 52.1N–.10 173.43W–.05 105–7 3.7b 162 0-88
IDC VIII 13 17 32 02.7–1.2 52.07N 173.94W 0 4.2L,3.9 ¶620986265
NEIC VIII 13 17 32 15.8–1.1 52.2N–.10 173.49W–.09 105–5 3.9L,3.9b
AEIC VIII 13 17 32 16.9–1.1 51.9N–.10 173.43W–.08 84–6 3.9L,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 12 05 25 39.9–.80 51.31N–.07 177.13W–.03 35–2 3.6L,3.1L
AEIC VIII 12 05 25 39.4–.75 51.33N–.06 177.14W–.04 40–9 3.6L,3.1L ¶622451420
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 24 18 33 54.2–1.5 51.29N–.09 178.33W–.05 41–18 3.6b,3.5L
AEIC VIII 24 18 33 53.5–1.6 51.25N–.05 178.33W–.02 26–7 3.6b,3.5L ¶622451695
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 15 07 23 09.0–1.0 50.47N–.03 173.38W–.09 10–1 3.3b,3.1L
AEIC VIII 15 07 23 10.1–3.3 50.42N–.05 173.59W–.09 13–8 3.3b,3.1L ¶622451515
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 18 22 26 13.9–1.6 51.29N–.03 178.44W–.04 31–10 3.9L,3.6L
AEIC VIII 18 22 26 12.7–1.8 51.19N–.05 178.46W–.03 25–7 3.9L,3.6L ¶622451595
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 20 12 20 18.9–.76 52.08N–.08 173.31W–.04 84–6 4.6b 220 1-97
IDC VIII 20 12 20 18.6–2.0 52.37N 173.40W 79–17 4.2,3.8b ¶620998935
AEIC VIII 20 12 20 18.9–1.6 52.00N–.09 173.22W–.07 73–5 4.2,3.8b
NEIC VIII 20 12 20 19.9–1.6 51.98N–.09 173.28W–.07 79–5 4.7L,4.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 11 45 03.9–.64 51.48N–.07 178.36W–.03 56–5 4.8b,3.8s 474 0-151
AEIC VIII 22 11 45 02.0–1.5 51.26N–.05 178.32W–.03 32–4 4.8b,3.8s ¶620999538
GFZ VIII 22 11 45 04.0–.20 52N–5.0 178W–3.0 50 4.8b,4.7
NEIC VIII 22 11 45 03.7–1.1 51.41N–.07 178.33W–.04 52–5 4.8L,4.8b
GCMT VIII 22 11 45 04.1–.40 51.29N–.04 178.37W–.04 50–2 4.9W,4.8b
IDC VIII 22 11 45 05.4–2.0 51.61N 178.38W 66–17 4.2,3.9b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=7.1km s-min=1.3km az=163.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.0km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108221145B. Moment Tensor Solution. s27,c34; s61,c85; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.89±.17 $M_{\theta\theta}$-2.27±.12; $M_{\phi\phi}$0.38±.12; $M_{r\theta}$0.81±.11; $M_{\theta\phi}$0.60±.10; $M_{\phi r}$-0.72±.08; Best double couple: NP1:ϕ264.00000°,δ36.00000°,λ62.00000°. NP2:ϕ118.00000°,δ59.00000°,λ109.00000°. Principal axes: T 2.2450,Plg70.0000°,Azm69.0000°; N 0.3610,Plg16.0000°,Azm288.0000°; P -2.6000,Plg12.0000°,Azm194.0000° $M_0$2.42200×10^{16}
IDC Error ellipse: s-maj=15.1km s-min=8.5km az=172.0.
NEIC VIII 22 11 46 09.5–1.2 51.32N–.07 178.30W–.02 35–2 4.0L,3.8L
AEIC VIII 22 11 46 09.2–1.4 51.31N–.07 178.29W–.02 23–7 4.0L,3.8L ¶620999707
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 28 16 12 57.2–.66 51.6N–.20 176.57W–.08 46–23 3.5L,3.0L
AEIC VIII 28 16 12 57.0–.57 51.59N–.04 176.60W–.04 44–8 3.5L,3.0L ¶622451755
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 31 02 17 11.4–.45 52.82N–.07 175.55W–.04 257–3 4.2b 470 1-151
MOS VIII 31 02 17 10.4–.91 52.99N 175.47W 254 4.1b ¶621011404
GFZ VIII 31 02 17 11.6–.33 53N–7.0 176W–4.0 248 4.4b,4.4
NEIC VIII 31 02 17 11.7–1.5 52.86N–.06 175.53W–.09 255–4 4.7L,4.3b
AEIC VIII 31 02 17 11.9–2.3 52.4N–.10 175.42W–.09 271–4 4.7L,4.3b
IDC VIII 31 02 17 13.7–1.9 52.98N 175.57W 273–17 4.4,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=13.3km s-min=6.8km az=99.7.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.5km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=16.3km s-min=6.7km az=164.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.4km s-min=8.1km az=2.0.
ISC IX 24 07 02 30.1–.36 51.12N–.04 179.00W–.02 32–2 5.6b,5.0s 1686 0-160
GFZ IX 24 07 02 27.7 51.25N 179.02W 25 5.6W,5.0s ¶621109283
BJI IX 24 07 02 28.8 51.39N 179.18W 32 5.7b,5.7b
AEIC IX 24 07 02 28.7–1.9 51.11N–.04 179.04W–.03 7–3 5.7b,5.7b
ISC-P IX 24 07 02 29 51.13N 179.02W 36–0 6.1,5.7b
NEIC IX 24 07 02 29 51.13N 179.02W 18 6.1,5.7b
GFZ IX 24 07 02 29.1–.29 51N–2.0 179W–2.0 20–1 6.0b,5.7
NEIC IX 24 07 02 29.1–1.8 51.13N–.05 179.02W–.04 18–1 5.6L,5.6b
MOS IX 24 07 02 30.1–.85 51.26N 178.97W 40 5.8b,5.3s
NEIC IX 24 07 02 30.6 51.20N 179.06W 29 5.8b,5.3s
NEIC IX 24 07 02 31.2 50.80N 179.38W 30 5.5,5.3s
IDC IX 24 07 02 32.2–1.3 51.35N 178.97W 46–10 5.3,5.0b
GCMT IX 24 07 02 33.9–.10 51.13N–.01 178.95W–.01 31–0 5.6W,5.0b
BGR IX 24 07 02 34.7 51.52N 178.89E 33 5.9b,5.0s
ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.52 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$-0.19 $M_{r\theta}$2.36 $M_{\theta\phi}$-0.30 $M_{\phi r}$0.75 NP1: ϕ_s73.00934°,δ74.75053°,λ88.49236°. NP2:ϕ_s258.72363°,δ15.32206°,λ95.51246°. Principal axes: T 2.9381,Plg60.2222°,Azm340.8625°; N -0.1265,Plg1.4545°,Azm73.4060° ; P -2.8116,Plg29.7349°,Azm164.2370° $M_0$2.87697×10^{17}

AEIC Event type se. Error ellipse: s-maj=5.7km s-min=2.8km az=176.0. hypocenter. manual.

ISC-P Moment Tensor Solution. s56 Moment tensor: Scale 10^{18}Nm; M_{rr}0.69±.14 $M_{\theta\theta}$0.01±.14; $M_{\phi\phi}$-0.66±.14; $M_{r\theta}$-0.16±.13; $M_{\theta\phi}$0.12±.29; $M_{\phi r}$0.01±.10; NP1:ϕ_s190.70000°,δ41.00000° ,λ108.30000°. NP2:ϕ_s347.10000°,δ51.50000°,λ74.70000°. $M_0$1.58000×10^{18}

NEIC Event type se.

GFZ Error ellipse: s-maj=5.5km s-min=3.5km az=157.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.1km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.71 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-0.36 $M_{r\theta}$0.95 $M_{\theta\phi}$-0.23 $M_{\phi r}$0.78 NP1:ϕ_s62.42000°,δ64.06000°,λ79.43000°. NP2:ϕ_s265.53000°,δ27.87000° ,λ110.67000°. Principal axes: T 2.1710,Plg69.0000°,Azm311.0000°; N -0.4037,Plg9.0000° ,Azm67.0000°; P -1.7672,Plg18.0000°,Azm160.0000° $M_0$2.00000×10^{17}

MOS Error ellipse: s-maj=6.4km s-min=3.9km az=106.7.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.81 $M_{\theta\theta}$-1.88 $M_{\phi\phi}$0.08 $M_{r\theta}$1.30 $M_{\theta\phi}$-0.65 $M_{\phi r}$0.87 NP1:ϕ_s266.50000°,δ27.43000° ,λ112.20000°. NP2:ϕ_s61.81000°,δ64.75000°,λ78.90000°. Principal axes: T 2.4039,Plg68.0000°,Azm310.0000°; N 0.1918,Plg10.0000°,Azm67.0000° ; P -2.5957,Plg19.0000°,Azm160.0000° $M_0$2.51000×10^{17}

IDC Error ellipse: s-maj=12.9km s-min=8.0km az=170.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109240702A. Moment Tensor Solution. s140,c262; s143,c300;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.22±.04 $M_{\theta\theta}$-2.18±.03; $M_{\phi\phi}$-0.03±.02; $M_{r\theta}$1.58±.04; $M_{\theta\phi}$-0.68±.02; $M_{\phi r}$0.96±.04; Best double couple: NP1: ϕ_s264.00000°,δ27.00000°,λ108.00000°. NP2:ϕ_s64.00000°,δ65.00000°,λ81.00000°. Principal axes: T 2.9060,Plg69.0000°,Azm317.0000°; N 0.0920,Plg8.0000°,Azm68.0000° ; P -2.9970,Plg19.0000°,Azm161.0000° $M_0$2.95100×10^{17}

BGR Event type ke.

ISC	**IX**	**10 14 00 04.3–1.5**	**51.4N–.10**	**175.40W–.05**	**43–15**	**3.6b**	**106**	**1-62**	
IDC	IX	10 13 59 56.0–2.2	50.86N	175.74W	0	4.4L,3.6			**¶621059031**
AEIC	IX	10 14 00 03.3–2.1	51.51N–.09	175.35W–.07	49–8	4.4L,3.6			
NEIC	IX	10 14 00 03.7–1.1	51.44N–.07	175.34W–.06	35–2	3.9L,3.7b			

ISC Event type se.

AEIC Event type se. hypocenter. manual.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**15 13 27 53.1–.99**	**50.46N–.05**	**176.26W–.03**	**11–5**	**4.5b,3.6s**	**383**	**1-153**	
IDC	IX	15 13 27 51.2–.56	50.53N	176.24W	0	4.4b,4.4			**¶621076732**
NEIC	IX	15 13 27 53.3–.95	50.44N–.04	176.27W–.06	10–1	4.5b,4.2L			
AEIC	IX	15 13 27 54.4–1.4	50.40N–.06	176.23W–.07	35–5	4.5b,4.2L			
GFZ	IX	15 13 27 54.5–.40	51N–8.0	176W–4.0	10	5.9b,5.7			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC	**VIII**	**31 06 28 24.3–.73**	**51.8N–.20**	**175.4W–.10**	**64–13**	**3.6L,3.1L**			
AEIC	VIII	31 06 28 23.7–.74	51.8N–.20	175.39W–.07	56–9	3.6L,3.1L			**¶622451798**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**IX**	**24 11 52 29.8–.27**	**51.16N–.03**	**178.98W–.02**	**32–1**	**6.1b,5.9s**	**2846**	**0-160**	
IDC	IX	24 11 52 28.9–1.2	51.22N	178.94W	26–6	5.8s,5.6			**¶621109405**
NEIC	IX	24 11 52 28.2–1.8	51.08N–.04	179.02W–.05	18–1	6.1,6.1b			
AEIC	IX	24 11 52 28.3–1.9	51.06N–.04	179.00W–.06	17–0	6.1,6.1b			
BJI	IX	24 11 52 28.0	51.15N	178.95W	40	6.4b,6.2s			
GFZ	IX	24 11 52 28.9	51.26N	178.99W	26	6.1W,6.2s			
GFZ	IX	24 11 52 28.9–.07	51N–2.0	179W–2.0	21	6.5b,6.3			
ISC-P	IX	24 11 52 28	51.08N	179.02W	36–0	6.4,6.3			
MOS	IX	24 11 52 29.3–.79	51.32N	178.97W	41	6.3b,6.0s			
PTWC	IX	24 11 52 30	51.10N	178.90W	38	6.4,6.0s			
NEIC	IX	24 11 52 31.3	51.25N	179.01W	38	6.4,6.0s			
NEIC	IX	24 11 52 32.2	51.23N	179.03W	46	6.4,6.0s			
GCMT	IX	24 11 52 33.2–.00	51.12N	178.93W	29–0	6.2W,6.0s			
NEIC	IX	24 11 52 35.5	50.53N	179.03W	36	6.1,6.0s			
BGR	IX	24 11 52 36.8	51.93N	178.96E	33	6.2b,5.8s			

ISC Event type ke.

IDC Error ellipse: s-maj=10.6km s-min=7.9km az=177.0.

NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.14 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$-0.06 $M_{r\theta}$0.66 $M_{\theta\phi}$-0.64 $M_{\phi r}$0.45 NP1:ϕ_s58.56000°,δ61.32000°,λ83.69000°. NP2:ϕ_s251.53000°,δ29.31000° ,λ101.35000°. Principal axes: T 1.3757,Plg73.0000°,Azm313.0000°; N 0.2348,Plg6.0000° ,Azm62.0000°; P -1.6106,Plg16.0000°,Azm153.0000° $M_0$1.51000×10^{18}

AEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.5km az=172.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.43 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$-0.05 $M_{r\theta}$1.01 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.55 NP1: ϕ_s65.76872°,δ64.03878°,λ82.99699°. NP2:ϕ_s261.44305°,δ26.82575°,λ104.05815°. Principal axes: T 1.8397,Plg70.1450°,Azm321.0644°; N 0.0566,Plg6.2933°,Azm68.8468° ; P -1.8962,Plg18.7516°,Azm160.9924° $M_0$1.86859×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

ISC-P Moment Tensor Solution. s56 Moment tensor: Scale 10^{18}Nm; M_{rr}0.86±.15 $M_{\theta\theta}$0.33±.16; $M_{\phi\phi}$-0.24±.10; $M_{r\theta}$-0.11±.13; $M_{\theta\phi}$-0.03±.18; $M_{\phi r}$0.19±.09; NP1:ϕ_s176.00000°,δ46.40000° ,λ107.80000°. NP2:ϕ_s331.00000°,δ46.50000°,λ72.20000°. $M_0$5.31000×10^{18}

MOS Error ellipse: s-maj=6.2km s-min=4.8km az=113.2.

NEIC Event type se.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109241152A. Moment Tensor Solution. s168,c397; s165,c661;Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.67±.01 $M_{\theta\theta}$-1.64±.01; $M_{\phi\phi}$-0.03±.01; $M_{r\theta}$1.19±.02; $M_{\theta\phi}$-0.54±.01; $M_{\phi r}$0.84±.01; Best double couple: NP1:ϕ_s266.00000°,δ27.00000°,λ112.00000°. NP2:ϕ_s61.00000°,δ65.00000°,λ79.00000°. Principal axes: T 2.2400,Plg68.0000°,Azm311.0000°; N 0.0550,Plg10.0000°,Azm66.0000° ; P -2.2960,Plg20.0000°,Azm159.0000° $M_0$2.26800×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 5s5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.59 $M_{\theta\theta}$-1.65 $M_{\phi\phi}$0.06 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.67 $M_{\phi r}$0.40 NP1:ϕ_s256.50000°,δ32.24000° ,λ98.72000°. NP2:ϕ_s66.22000°,δ58.17000°,λ84.54000°. Principal axes: T 1.7934,Plg76.0000°,Azm320.0000°; N 0.2832,Plg5.0000°,Azm69.0000° ; P -2.0766,Plg13.0000°,Azm160.0000° $M_0$1.95000×10^{18}

BGR Event type ke.

NEIC	**IX**	**27 22 03 21.6–1.6**	**50.53N–.02**	**177.98W–.07**	**10–2**	**3.9b,3.5L**			
AEIC	IX	27 22 03 22.6–1.7	50.44N–.04	178.05W–.08	26–7	3.9b,3.5L			**¶622499443**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**X**	**01 21 21 41.0–.53**	**52.19N–.08**	**176.13W–.03**	**135–4**	**4.7b**	**414**	**0-152**	
MOS	X	01 21 21 40.2–.90	52.37N	176.22W	135	4.5b			**¶621116388**
GFZ	X	01 21 21 41.0–.47	52N–7.0	176W–3.0	128–4	6.6,6.5			
NEIC	X	01 21 21 41.7–1.2	52.2N–.10	176.15W–.08	129–4	4.8L,4.7b			
AEIC	X	01 21 21 41.6–1.8	52.2N–.10	176.12W–.07	120–4	4.8L,4.7b			
IDC	X	01 21 21 44.0–1.9	52.37N	176.20W	157–16	4.3,3.9b			

ISC Event type se.

MOS Error ellipse: s-maj=8.3km s-min=7.8km az=89.3.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.6km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.2km az=169.0. hypocenter. manual.

IDC Error ellipse: s-maj=15.9km s-min=8.8km az=175.0.

ISC	**X**	**01 01 32 50.2–1.3**	**52.0N–.30**	**176.12W–.09**	**128–9**			**26**	**0-45**
NEIC	X	01 01 32 50.2–.93	52.0N–.20	176.1W–.20	128–6	3.8L,3.8b			**¶622499478**
IDC	X	01 01 33 00.9–2.9	51.90N	170.94W	0	3.6b,3.5			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=28.9km s-min=8.9km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=86.2km s-min=34.5km az=179.0.

ISC	**X**	**03 01 45 58.0–1.5**	**51.3N–.10**	**178.03W–.03**	**45–13**	**3.9b**	**66**	**0-151**	
IDC	X	03 01 45 52.0–1.8	51.21N	177.90W	0	4.1L,3.8			**¶621117494**
AEIC	X	03 01 45 57.7–1.6	51.26N–.06	178.02W–.05	26–4	4.1L,3.8			
NEIC	X	03 01 45 58.5–1.7	51.31N–.06	178.05W–.04	35–2	4.0L,3.9b			

ISC Event type se.

AEIC Event type se. hypocenter. manual.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**07 08 24 48.2–1.2**	**50.2N–.20**	**176.43W–.06**	**10**	**3.6b**	**51**	**2-62**	
IDC	X	07 08 24 45.9–2.4	49.79N	176.40W	0	3.8L,3.7			**¶621217206**
NEIC	X	07 08 24 48.7–1.4	50.2N–.10	176.4W–.10	10–2	3.7b,3.6L			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC	**X**	**06 19 09 09.1–.60**	**51.9N–.10**	**174.3W–.10**	**75–3**	**3.8L,3.6b**			
AEIC	X	06 19 09 10.3–1.6	52.0N–.20	174.5W–.10	66–7	3.8L,3.6b			**¶622499519**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**X**	**06 23 56 40.0–2.2**	**50.94N–.08**	**179.97W–.02**	**8–12**	**4.0b**	**84**	**1-69**	
NEIC	X	06 23 56 41.7–1.3	51.02N–.02	179.90W–.05	10–2	3.9b,3.7L			**¶621217173**
AEIC	X	06 23 56 43.0–1.5	51.04N–.05	180.00E–.06	13–6	3.9b,3.7L			
IDC	X	06 23 56 50.7–3.2	51.82N	179.73W	58–32	4.1L,4.0			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.0km az=238.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.6km az=188.0. hypocenter. manual.

IDC Error ellipse: s-maj=54.7km s-min=18.7km az=12.0.

ISC	**X**	**10 10 59 22.5–1.0**	**51.9N–.10**	**174.92W–.05**	**79–7**	**3.8b**	**134**	**1-142**	
IDC	X	10 10 59 13.7–2.6	51.84N	174.78W	0	3.9L,3.5b			**¶621144285**
NEIC	X	10 10 59 22.7–1.1	51.9N–.20	175.00W–.09	81–8	4.0L,3.8b			
AEIC	X	10 10 59 23.3–3.2	52.0N–.20	175.04W–.08	72–6	4.0L,3.8b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**X**	**09 23 07 49.9–.66**	**52.4N–.20**	**175.77W–.06**	**184–6**	**3.5b**	**71**	**0-88**	
IDC	X	09 23 07 28.9–1.2	52.45N	175.99W	0	3.7b,3.7			**¶621235355**
AEIC	X	09 23 07 50.7–3.7	52.3N–.20	175.8W–.10	171–5	3.7b,3.7			
NEIC	X	09 23 07 50.2–1.2	52.4N–.20	175.8W–.10	182–7	3.8b,3.8L			

ISC Event type se.

AEIC Event type se. hypocenter. manual.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**11 18 25 47.0–.46**	**51.47N–.05**	**174.45W–.03**	**26–2**	**5.0b,4.1s**	**674**	**1-153**	
IDC	X	11 18 25 42.7–.55	51.58N	174.33W	0	4.5b,4.5			**¶621145559**
AEIC	X	11 18 25 45.8–2.7	51.39N–.04	174.45W–.05	3–3	4.5b,4.5			
GFZ	X	11 18 25 47.9–.25	52N–6.0	174W–2.0	28	8.1,7.7			
BJI	X	11 18 25 47.3	51.83N	174.80W	30	5.3b,5.2b			
NEIC	X	11 18 25 48.5–1.7	51.48N–.05	174.43W–.01	35–1	4.9b,4.8L			
GCMT	X	11 18 25 50.0–.50	51.30N–.03	174.60W–.06	30–1	5.0W,4.8L			
BGR	X	11 18 25 52.9	52.03N	175.63W	33	5.2b,3.9s			

ISC Event type ke.

IDC Error ellipse: s-maj=17.2km s-min=10.2km az=169.0.

AEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.0km az=156.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=8.5km s-min=3.0km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110111825A. Moment Tensor Solution. s20,c20; s67,c80; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.51±.29 $M_{\theta\theta}$-2.95±.17; $M_{\phi\phi}$-0.56±.17; $M_{r\theta}$1.19±.20; $M_{\theta\phi}$-0.36±.09; $M_{\phi r}$0.30±.23; Best double couple: NP1:ϕ_s263.00000°,δ35.00000° ,λ93.00000°. NP2:ϕ_s80.00000°,δ55.00000°,λ88.00000°. Principal axes: T 3.7350,Plg80.0000°,Azm343.0000°; N -0.5130,Plg1.0000°,Azm81.0000° ; P -3.2260,Plg10.0000°,Azm171.0000° $M_0$3.48000×10^{16}

BGR Event type ke.

ISC	**X**	**18 01 08 39.2–1.6**	**51.1N–.10**	**179.21W–.04**	**46–13**	**3.9b**	**64**	**1-79**	
IDC	X	18 01 08 34.4–2.1	51.45N	179.18W	0	4.0L,3.8			**¶621244007**
AEIC	X	18 01 08 37.4–2.9	51.09N–.08	179.21W–.07	6–5	4.0L,3.8			
NEIC	X	18 01 08 39.6–1.8	51.12N–.05	179.17W–.07	42–9	4.1b,3.7L			

ISC Event type se.

AEIC Event type se. hypocenter. manual.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC	**X**	**12 17 23 23.8–.63**	**51.46N–.07**	**176.65W–.05**	**35–2**	**3.7L,3.0L**			
AEIC	X	12 17 23 24.0–.72	51.50N–.07	176.68W–.03	34–7	3.7L,3.0L			**¶622499639**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

NEIC	**X**	**25 19 24 06.0–1.1**	**51.59N–.04**	**175.84W–.04**	**35–2**	**3.5L,2.8L**			
AEIC	X	25 19 24 05.4–1.2	51.6N–.10	175.84W–.04	41–9	3.5L,2.8L			**¶622505988**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

NEIC	**X**	**20 17 10 37.6–1.1**	**53.14N–.09**	**176.02W–.04**	**10–2**	**4.1b,3.6L**			
AEIC	X	20 17 10 39.0–6.3	51.7N–.20	175.94W–.09	3–8	4.1b,3.6L			**¶621229626**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

NEIC	**X**	**27 17 50 24.3–.80**	**51.32N–.03**	**179.45W–.04**	**35–2**	**3.6L,3.2L**			
AEIC	X	27 17 50 23.4–.84	51.29N–.07	179.44W–.04	35–7	3.6L,3.2L			**¶622506022**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

NEIC	**X**	**28 08 20 26.3–.54**	**52.1N–.20**	**176.1W–.10**	**188–4**	**3.7b,3.4L**			
AEIC	X	28 08 20 26.4–1.3	52.1N–.20	176.1W–.10	180–4	3.7b,3.4L			**¶622506030**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

NEIC	**X**	**30 15 34 30.1–.94**	**52.0N–.10**	**172.68W–.05**	**61–12**	**3.9L,3.8b**			
AEIC	X	30 15 34 30.1–2.2	51.9N–.10	172.70W–.05	18–3	3.9L,3.8b			**¶621244516**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

NEIC	**X**	**28 07 11 43.7–1.1**	**50.01N–.03**	**178.28W–.08**	**10–2**	**3.5L,3.0L**			
AEIC	X	28 07 11 44.2–.90	49.75N–.09	178.27W–.09	3–9	3.5L,3.0L			**¶621242979**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

NEIC	**X**	**29 11 47 13.8–.66**	**51.56N–.06**	**178.28W–.06**	**88–4**	**3.8b,3.7L**			
AEIC	X	29 11 47 13.9–.94	51.7N–.10	178.30W–.02	83–4	3.8b,3.7L			**¶621244188**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**X**	**28 18 38 08.6–.65**	**51.46N–.09**	**173.77W–.06**	**36–2**	**4.1b,3.0s**	**130**	**1-153**	
NEIC	X	28 18 38 10.5–2.5	51.60N–.06	173.91W–.09	53–6	4.0b,4.0L			**¶621391403**
IDC	X	28 18 38 10.3–3.8	51.54N	173.72W	48–34	4.0,3.8L			
AEIC	X	28 18 38 12.1–5.4	51.60N–.06	174.12W–.08	33–5	4.0,3.8L			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 28 20 23 10.1–.61 51.6N–.30 178.60W–.03 82–8 3.6L,3.0L
AEIC X 28 20 23 09.9–.63 51.65N–.09 178.56W–.05 81–4 3.6L,3.0L **¶622506047**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XI 12 00 00 28.9–1.2 51.61N–.08 178.48W–.05 21–11 3.8L,3.8b
AEIC XI 12 00 00 28.5–2.0 51.62N–.06 178.49W–.02 12–6 3.8L,3.8b **¶621399235**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 31 13 51 16.9–1.0 51.36N–.05 177.35W–.04 35–10 3.7b,3.5L
AEIC X 31 13 51 16.3–1.2 51.37N–.05 177.32W–.04 36–7 3.7b,3.5L **¶622506080**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 03 08 41 20.3–1.8 51.6N–.20 174.00W–.09 65–17 3.9b 70 1-56
IDC XI 03 08 41 14.7–2.2 51.85N 173.67W 0 4.1L,3.8b **¶621412233**
NEIC XI 03 08 41 18.4–1.1 51.47N–.06 173.90W–.09 35–2 3.9b,3.5L
AEIC XI 03 08 41 20.7–4.7 51.62N–.06 174.14W–.09 31–6 3.9b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 02 18 14 58.8–2.9 51.33N–.07 174.10W–.03 7–18 4.3s,3.9b 146 1-80
NEIC XI 02 18 14 59.7–1.6 51.32N–.06 174.13W–.02 12–6 4.0b,3.7L **¶621401354**
IDC XI 02 18 14 59.5–1.9 51.70N 174.33W 0 4.2s,3.8
AEIC XI 02 18 15 03.8–3.3 51.38N–.05 174.27W–.02 26–6 4.2s,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 14 21 47 17.9–.63 52.7N–.10 174.35W–.06 212–6 3.7b 124 0-75
NEIC XI 14 21 47 18.7–1.0 52.7N–.20 174.4W–.10 211–6 4.0b,3.8L **¶621403197**
AEIC XI 14 21 47 19.8–3.4 52.7N–.20 174.6W–.10 194–5 4.0b,3.8L
IDC XI 14 21 47 22.6–8.1 53.15N 174.36W 250–73 3.8,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=8.9km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=22.9km s-min=8.3km az=161.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.7km s-min=18.8km az=19.0.
NEIC XI 29 12 13 04.3–.78 51.6N–.20 174.12W–.06 91–16 3.5L,2.9L
AEIC XI 29 12 13 05.7–2.4 51.8N–.10 174.3W–.10 86–7 3.5L,2.9L **¶622511887**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XI 26 00 29 16.7–.83 52.2N–.40 176.5W–.10 222–4 3.1L,2.7L
AEIC XI 26 00 29 17.3–.80 52.3N–.30 176.5W–.10 219–7 3.1L,2.7L **¶622511831**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XI 28 07 23 01.2–.96 51.09N–.05 179.23W–.05 22–10 3.7b,3.4L
AEIC XI 28 07 23 01.4–1.1 51.09N–.05 179.23W–.05 21–6 3.7b,3.4L **¶622511863**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 18 09 50 36.9–.27 51.37N–.04 178.34W–.02 49–1 5.2b,4.2s 1066 0-151
BJI XI 18 09 50 33.6 51.55N 178.62W 30 5.4b,5.1b **¶621414838**
GFZ XI 18 09 50 35.5–.19 52N–3.0 178W–2.0 30–1 5.8,5.6
MOS XI 18 09 50 35.5–.96 51.46N 178.29W 50 5.2b,4.2s
AEIC XI 18 09 50 36.3–2.8 51.27N–.06 178.31W–.06 30–3 5.2b,4.2s
NEIC XI 18 09 50 37.2–1.9 51.37N–.06 178.31W–.07 48–4 5.3L,5.2b
IDC XI 18 09 50 37.3–1.6 51.54N 178.35W 49–13 5.1L,4.9
NEIC XI 18 09 50 37.2 51.38N 178.31W 48 5.1L,4.9
GCMT XI 18 09 50 38.9–.20 51.32N–.02 178.18W–.02 47–1 5.0W,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.69 $M_{\theta\theta}$-1.52 $M_{\phi\phi}$-0.18 $M_{r\theta}$1.50 $M_{\theta\phi}$0.06 $M_{\phi r}$1.36 NP1:ϕ_s61.02000°,δ71.67000°,λ73.57000°. NP2:ϕ_s284.18000°,δ24.42000° ,λ130.49000°. Principal axes: T 2.8459,Plg60.0000°,Azm307.0000°; N -0.6190,Plg16.0000° ,Azm66.0000°; P -2.2269,Plg25.0000°,Azm164.0000° M_o2.59000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111180950A. Moment Tensor Solution. s72,c99; s106,c166; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.33±.15 $M_{\theta\theta}$-3.85±.11; $M_{\phi\phi}$0.52±.11; $M_{r\theta}$1.29±.09; $M_{\theta\phi}$-1.88±.07; $M_{\phi r}$1.56±.07; Best double couple: NP1:ϕ_s270.00000°,δ37.00000° ,λ122.00000°. NP2:ϕ_s52.00000°,δ60.00000°,λ68.00000°. Principal axes: T 4.0510,Plg68.0000°,Azm279.0000°; N 0.8800,Plg18.0000°,Azm63.0000° ; P -4.9260,Plg12.0000°,Azm158.0000° M_o4.48800×10^{16}
NEIC XII 01 18 48 49.8–.81 52.3N–.20 174.3W–.10 178–8 3.5L,3.4L
AEIC XII 01 18 48 51.1–.79 52.3N–.20 174.3W–.10 174–6 3.5L,3.4L **¶622511927**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 02 21 42 57.0–2.3 51.3N–.10 174.81W–.04 31–14 4.2b 102 1-153
IDC XII 02 21 42 53.0–.84 51.43N 175.02W 0 4.1b,4.1 **¶621611291**
AEIC XII 02 21 42 57.1–1.9 51.28N–.08 174.81W–.08 38–6 4.1b,4.1
NEIC XII 02 21 42 57.3–1.6 51.30N–.04 174.79W–.04 32–5 4.3b,4.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC XII 02 07 57 03.4–.48 51.39N–.05 177.64W–.01 35–2 2.5L,2.0L
AEIC XII 02 07 57 03.0–.59 51.38N–.06 177.62W–.03 34–7 2.5L,2.0L **¶622511945**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 10 07 12 48.6–1.4 51.55N–.09 173.89W–.05 45–11 4.3b,3.4s 122 1-153
IDC XII 10 07 12 42.6–.73 51.71N 173.91W 0 4.0b,4.0 **¶621626235**
NEIC XII 10 07 12 48.4–1.6 51.56N–.06 173.92W–.09 43–7 4.3b,3.8L
AEIC XII 10 07 12 48.7–4.8 51.59N–.04 174.10W–.07 17–4 4.3b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 02 19 00 31.6–1.5 51.2N–.10 174.75W–.06 20–8 4.2b 64 1-68
IDC XII 02 19 00 30.4–8.4 51.56N 174.94W 0 4.1b,4.0 **¶621629902**
NEIC XII 02 19 00 33.0–1.4 51.25N–.05 174.75W–.04 26–7 3.9b,3.7L
AEIC XII 02 19 00 33.5–2.0 51.25N–.05 174.82W–.05 26–5 3.9b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XII 16 19 48 27.8–.52 51.6N–.20 176.83W–.08 71–8 4.0b,3.8L
AEIC XII 16 19 48 28.0–.68 51.7N–.20 176.88W–.05 66–5 4.0b,3.8L **¶622512216**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 14 00 05 05.6–.89 51.7N–.20 173.29W–.05 37 3.9b 57 1-88
IDC XII 14 00 04 60.0–1.1 51.73N 173.27W 0 4.4L,3.9b **¶621652848**
NEIC XII 14 00 05 05.5–1.4 51.69N–.08 173.29W–.08 35–1 4.0b,3.8L
AEIC XII 14 00 05 05.4–1.6 51.6N–.10 173.51W–.08 20–5 4.0b,3.8L
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 14 01 15 32.6–1.2 51.5N–.10 177.63W–.03 50–8 4.0b 134 0-151
IDC XII 14 01 15 25.8–1.1 51.48N 177.67W 0 3.8,3.7L **¶621629134**
NEIC XII 14 01 15 31.9–1.4 51.33N–.05 177.58W–.04 35–1 4.1L,4.0b
AEIC XII 14 01 15 32.4–1.2 51.44N–.06 177.62W–.04 46–5 4.1L,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XII 29 15 20 24.5–.55 52.3N–.60 174.7W–.20 188–2 3.5L,3.1L
AEIC XII 29 15 20 24.8–.73 52.4N–.30 174.7W–.10 190–5 3.5L,3.1L **¶622512448**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

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NEIC VII 03 12 36 46.4–.72 53.05N–.06 167.16W–.06 35–2 3.5L,3.2L
AEIC VII 03 12 36 45.6–.74 53.04N–.03 167.16W–.07 41–10 3.5L,3.2L **¶622448973**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 03 13 42 53.3–.63 53.19N–.06 166.88W–.04 48–4 4.8b,4.1s 497 1-161
BJI VII 03 13 42 51.0 53.20N 167.00W 46 5.0b,4.8b **¶620733420**
AEIC VII 03 13 42 51.6–2.4 53.08N–.04 166.84W–.06 26–1 5.0b,4.8b
IDC VII 03 13 42 53.1–2.0 53.37N 166.99W 41–16 4.6,4.4b
NEIC VII 03 13 42 53.2–1.9 53.17N–.04 166.90W–.06 47–5 5.0L,4.8b
NEIC VII 03 13 42 53.6 53.22N 166.92W 49 5.0L,4.8b
GFZ VII 03 13 42 54.9–.35 53N–4.0 167W–2.0 57–2 5.4,4.9b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.93 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$-0.09 $M_{r\theta}$1.06 $M_{\theta\phi}$-0.08 $M_{\phi r}$0.44 NP1:ϕ_s71.37000°,δ71.40000°,λ82.77000°. NP2:ϕ_s273.07000°,δ19.91000° ,λ110.51000°. Principal axes: T 1.5128,Plg63.0000°,Azm330.0000°; N -0.1228,Plg7.0000° ,Azm74.0000°; P -1.3900,Plg26.0000°,Azm167.0000° M_o1.46000×10^{16}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 03 18 41 39.7–.76 53.22N–.09 169.88W–.05 133–7 3.6b 136 0-143
IDC VII 03 18 41 36.0–4.2 53.30N 170.16W 93–36 3.7,3.4b **¶620927829**
NEIC VII 03 18 41 39.4–1.9 53.05N–.10 169.8W–.10 136–4 3.8b,3.7L
AEIC VII 03 18 41 42.6–4.0 53.08N–.09 169.80W–.10 112–5 3.8b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 13 02 11 46.8–.88 52.92N–.07 168.07W–.05 59–7 4.0b 115 0-154
AEIC VII 13 02 11 45.9–1.9 52.84N–.06 168.06W–.04 33–5 4.0b **¶620805493**
IDC VII 13 02 11 46.1–4.1 53.18N 168.39W 54–35 4.1L,3.9
NEIC VII 13 02 11 47.1–1.4 52.89N–.06 168.08W–.06 45–6 4.4L,4.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 13 20 29 56.4–.70 52.15N–.09 169.94W–.04 37–1 3.8b,2.9s 167 1-126
IDC VII 13 20 29 51.6–.96 52.39N 170.16W 0 4.0L,3.8 **¶620823829**
AEIC VII 13 20 29 56.5–2.9 52.19N–.07 169.97W–.08 22–5 4.0L,3.8
NEIC VII 13 20 29 57.9–2.7 52.26N–.08 169.96W–.08 44–8 4.1L,3.8b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 23 16 48 43.4–.78 52.0N–.10 169.51W–.07 30 3.9b 54 1-90
IDC VII 23 16 48 39.4–.88 52.11N 169.61W 0 4.0,3.9L **¶620845352**
NEIC VII 23 16 48 41.5–1.5 51.88N–.09 169.4W–.10 10–2 3.8b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 29 00 01 25.8–.64 52.04N–.05 171.06W–.08 35–11 3.3L,3.0L
AEIC VII 29 00 01 26.6–1.0 52.1N–.20 171.13W–.10 21–9 3.3L,3.0L **¶622450808**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 05 06 22 09.1–.41 53.05N–.07 166.90W–.03 35–2 3.0L,2.5L
AEIC VIII 05 06 22 09.6–.73 53.12N–.08 166.94W–.08 27–9 3.0L,2.5L **¶622451269**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 28 15 33 07.5–.58 52.96N–.08 169.91W–.04 115–4 4.1b 233 0-153
NEIC VII 28 15 33 07.7–2.1 53.1N–.10 169.9W–.10 112–6 4.2b,4.1L **¶620857682**
AEIC VII 28 15 33 08.5–3.9 52.6N–.10 169.7W–.10 106–4 4.2b,4.1L
IDC VII 28 15 33 08.5–.86 53.24N 170.02W 112–6 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=7.9km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=17.0km s-min=8.0km az=156.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=9.6km az=14.0.
NEIC VIII 05 06 22 38.3–.95 53.12N–.06 166.97W–.04 35–2 3.5L,3.2L
AEIC VIII 05 06 22 37.7–1.1 53.13N–.07 166.95W–.07 39–9 3.5L,3.2L **¶622451272**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 05 13 15 19.0–1.7 52.64N–.07 168.42W–.08 41–15 3.7L,3.4b
AEIC VIII 05 13 15 19.1–1.6 52.69N–.06 168.39W–.07 31–7 3.7L,3.4b **¶620970286**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 05 00 35 52.3–.88 53.7N–.10 166.15W–.06 83–7 3.4b 106 0-51
AEIC VIII 05 00 35 52.5–.68 53.8N–.10 166.23W–.09 83–3 3.4b **¶620998774**
NEIC VIII 05 00 35 52.8–.70 53.8N–.10 166.20W–.08 86–5 3.7L,3.5b
IDC VIII 05 00 36 07.2–13 54.42N 164.43W 134–134 3.3,3.0b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=15.7km s-min=4.7km az=157.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=3.2km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=88.2km s-min=26.6km az=171.0.
ISC VIII 10 22 52 47.6–.68 53.05N–.09 169.47W–.05 134–6 3.8b 129 0-150
IDC VIII 10 22 52 47.1–3.9 53.33N 169.58W 117–33 3.8,3.5b **¶621008149**
NEIC VIII 10 22 52 47.7–1.6 53.0N–.10 169.5W–.10 136–5 3.9b,3.8L
AEIC VIII 10 22 52 49.9–3.8 53.0N–.10 169.4W–.10 125–4 3.9b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 12 16 26 28.6–2.3 52.57N–.08 166.87W–.05 27–16 3.7b 100 1-142
NEIC VIII 12 16 26 25.4–1.5 52.44N–.10 166.85W–.06 18–12 3.5L,3.2L **¶620986247**
AEIC VIII 12 16 26 27.2–1.9 52.51N–.08 166.88W–.07 26–8 3.5L,3.2L
IDC VIII 12 16 26 33.3–3.8 53.08N 166.94W 44–33 3.7,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=2.1km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.2km s-min=5.4km az=161.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.5km s-min=15.9km az=9.0.
ISC VIII 18 19 03 37.8–2.6 52.1N–.20 170.94W–.06 31–17 4.1b 61 1-76
IDC VIII 18 19 03 34.2–2.1 52.16N 171.30W 0 3.8b,3.7 **¶621030399**

AEIC VIII 18 19 03 37.8–1.9 51.98N–.08 170.96W–.05 30–7 3.8b,3.7
NEIC VIII 18 19 03 38.9–2.2 51.95N–.10 170.87W–.08 35–2 3.8L,3.8b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 17 10 51.3–.76 52.81N–.07 167.63W–.04 48–5 4.2b 223 1-152
IDC VIII 17 17 10 45.4–.67 52.88N 167.86W 0 4.2b,4.2 **¶620993289**
AEIC VIII 17 17 10 49.5–2.8 52.79N–.05 167.58W–.05 21–4 4.2b,4.2
NEIC VIII 17 17 10 50.1–2.6 52.84N–.06 167.58W–.06 35–2 4.4L,4.0b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 17 11 12.4–.64 52.88N–.10 167.77W–.07 49 4.4b 135 1-91
IDC VIII 17 17 11 05.8–.98 52.92N 167.94W 0 4.3L,4.2b **¶621030286**
NEIC VIII 17 17 11 12.2 52.95N 167.81W 43 4.3L,4.2b
NEIC VIII 17 17 11 12.2–1.5 53.0N–.10 167.81W–.08 43–6 4.6,4.5b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.79 $M_{\theta\theta}$1.26 $M_{\phi\phi}$0.53 $M_{r\theta}$8.67 $M_{\theta\phi}$-0.10 $M_{\phi r}$3.74 NP1:ϕ_s91.95000°,δ4.77000°,λ-65.14000°. NP2:ϕ_s247.02000°,δ85.67000° ,λ-92.01000°. Principal axes: T 9.2013,Plg41.0000°,Azm339.0000°; N 0.7080,Plg2.0000° ,Azm247.0000°; P -9.9093,Plg49.0000°,Azm155.0000° $M_0$9.57000×10^{15}
ISC VIII 22 23 02 30.8–1.9 52.13N–.07 168.41W–.05 11–10 3.9b 123 1-88
IDC VIII 22 23 02 29.5–1.3 52.24N 168.69W 0 3.9,3.8b **¶620999711**
NEIC VIII 22 23 02 30.8–1.8 52.11N–.04 168.45W–.04 10–1 3.6b,3.6L
AEIC VIII 22 23 02 31.0–1.6 52.14N–.04 168.45W–.08 5–5 3.6b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 20 10 28 07.2–.84 52.0N–.10 170.78W–.05 21–4 4.0b 89 1-76
IDC VIII 20 10 28 04.3–1.3 52.32N 171.05W 0 3.9b,3.8 **¶620998520**
NEIC VIII 20 10 28 08.2–1.3 52.07N–.08 170.69W–.08 25–7 3.8L,3.7b
AEIC VIII 20 10 28 08.3–3.4 52.01N–.09 170.78W–.08 30–6 3.8L,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 24 15 21 37.3–.98 52.9N–.10 169.25W–.06 82–7 64 0-44
AEIC VIII 24 15 21 36.7–.89 52.8N–.10 169.2W–.10 80–5 **¶622451693**
NEIC VIII 24 15 21 37.5–.50 52.88N–.07 169.26W–.09 80–5 3.8L,3.6b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 19 49 34.5–1.2 52.53N–.08 168.22W–.04 45–9 4.2b,3.1s 256 1-154
AEIC VIII 24 19 49 34.4–2.9 52.56N–.06 168.25W–.03 30–5 4.2b,3.1s **¶621002270**
IDC VIII 24 19 49 35.2–2.6 52.77N 168.32W 42–22 4.4L,4.2
NEIC VIII 24 19 49 35.5–1.8 52.61N–.06 168.33W–.07 49–6 4.3L,4.2b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IX 13 14 02 49.7–.70 53.9N–.10 165.4W–.10 76–10 3.8L,3.6b
AEIC IX 13 14 02 49.8–1.3 54.2N–.10 165.6W–.10 79–4 3.8L,3.6b **¶622452087**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 05 08 14 51.6–2.5 52.2N–.10 169.98W–.06 31–16 3.7b 98 1-90
IDC IX 05 08 14 47.2–.83 52.28N 170.21W 0 3.7b,3.7 **¶621086392**
NEIC IX 05 08 14 53.1–1.4 52.19N–.10 169.97W–.06 35–2 3.8L,3.4L
AEIC IX 05 08 14 54.1–1.6 52.3N–.10 170.1W–.10 23–8 3.8L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 29 08 30 16.4–.97 52.84N–.09 168.28W–.05 57–8 4.0b,3.3s 197 0-91
IDC VIII 29 08 30 09.5–.71 53.08N 168.55W 0 3.9L,3.9b **¶621009930**
AEIC VIII 29 08 30 15.7–1.9 52.78N–.05 168.21W–.06 32–6 3.9L,3.9b
NEIC VIII 29 08 30 16.9–1.3 52.83N–.08 168.27W–.08 53–7 4.7L,4.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IX 06 04 28 12.5–1.5 52.74N–.05 166.76W–.05 7–8 3.6b,3.5L
AEIC IX 06 04 28 13.2–1.6 52.70N–.05 166.72W–.07 11–7 3.6b,3.5L **¶622451910**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 23 22 41 10.1–1.1 52.71N–.08 168.33W–.05 46–9 4.7b,3.5s 227 0-142
IDC IX 23 22 41 04.0–.67 52.88N 168.49W 0 4.8L,4.3b **¶621109258**
AEIC IX 23 22 41 08.8–2.6 52.69N–.05 168.27W–.06 22–4 4.8L,4.3b
GFZ IX 23 22 41 10.9–.33 53N–8.0 168W–4.0 40 5.8,5.7
NEIC IX 23 22 41 10 52.77N 168.43W 35 5.8,5.7
NEIC IX 23 22 41 10.3–2.4 52.75N–.05 168.36W–.09 39–5 4.7L,4.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.19 $M_{\theta\theta}$-0.92 $M_{\phi\phi}$-0.28 $M_{r\theta}$3.25 $M_{\theta\phi}$2.98 $M_{\phi r}$-0.07 NP1:ϕ_s352.83000°,δ40.61000°,λ165.03000°. NP2:ϕ_s94.31000°,δ80.32000° ,λ50.36000°. Principal axes: T 4.3149,Plg41.0000°,Azm328.0000°; N 0.4230,Plg39.0000° ,Azm102.0000°; P -4.7379,Plg25.0000°,Azm214.0000° $M_0$4.54000×10^{15}
ISC IX 25 13 03 54.3–1.5 51.9N–.10 171.03W–.05 56–11 3.9b,3.3s 88 1-154
IDC IX 25 13 03 47.5–.77 52.17N 171.27W 0 3.9b,3.9 **¶621109923**
AEIC IX 25 13 03 51.1–2.3 51.6N–.10 170.96W–.09 28–8 3.9b,3.9
NEIC IX 25 13 03 52.9–2.2 51.7N–.10 171.0W–.10 43–12 4.0L,3.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 24 16 58 35.5–4.6 51.1N–.10 170.15W–.05 13–29 4.1b 78 2-150
IDC IX 24 16 58 33.5–1.1 51.16N 170.55W 0 4.3L,4.0b **¶621109789**
NEIC IX 24 16 58 36.8–1.1 51.2N–.10 170.2W–.10 10–2 3.5L,3.5L
AEIC IX 24 16 58 39.1–1.5 51.0N–.10 170.0W–.10 6–9 3.5L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 01 00 10 51.3–.30 52.03N–.04 171.12W–.02 33–0 5.3b,4.5s 1342 1-154
MOS X 01 00 10 50.3–.92 52.11N 171.22W 36 5.5b,4.5s **¶621113751**
IDC X 01 00 10 51.0–2.0 52.13N 171.21W 29–13 5.1,4.9b
AEIC X 01 00 10 51.5–2.4 51.91N–.06 171.12W–.07 20–3 5.1,4.9b
BJI X 01 00 10 52.3 52.36N 171.64W 46 5.6b,5.3b
NEIC X 01 00 10 52.3–2.0 51.98N–.08 171.10W–.07 35–1 5.3b,5.2L
GFZ X 01 00 10 53.4–.12 52N–3.0 171W–2.0 48 5.9,5.9L
NEIC X 01 00 10 54.7 51.77N 171.50W 36 5.2,5.9L
BGR X 01 00 10 54.1 52.71N 171.96W 33 5.3b,4.3s
NEIC X 01 00 10 54.3 52.17N 171.17W 54 5.3b,4.3s
GCMT X 01 00 10 54.5–.20 51.88N–.01 171.15W–.02 32–0 5.2W,4.3s
NEIC X 01 00 10 54.3 52.17N 171.17W 54 5.2W,4.3s
ISC Event type ke.
MOS Error ellipse: s-maj=7.0km s-min=4.0km az=96.9.
IDC Error ellipse: s-maj=13.6km s-min=8.7km az=166.0.
AEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.6km az=155.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=5.8km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.46 $M_{\theta\theta}$-3.07 $M_{\phi\phi}$0.61 $M_{r\theta}$3.93 $M_{\theta\phi}$0.13 $M_{\phi r}$0.52 NP1:ϕ_s284.13000°,δ18.34000°,λ109.70000°. NP2:ϕ_s83.46000°,δ72.76000° ,λ3.62000°. Principal axes: T 4.5669,Plg62.0000°,Azm344.0000°; N 0.5469,Plg6.0000° ,Azm85.0000°; P -5.1138,Plg27.0000°,Azm179.0000° $M_0$4.86000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 1$\mathfrak{s}$1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.23 $M_{\theta\theta}$-7.51 $M_{\phi\phi}$1.29 $M_{r\theta}$2.31 $M_{\theta\phi}$-0.10 $M_{\phi r}$0.01 NP1:ϕ_s269.19000°,δ35.70000° ,λ89.75000°. NP2:ϕ_s89.50000°,δ54.30000°,λ90.18000°. Principal axes: T 6.6058,Plg81.0000°,Azm0.0000°; N 1.2864,Plg0.0000°,Azm269.0000° ; P -7.8922,Plg9.0000°,Azm179.0000° $M_0$7.33000×10^{16}
BGR Event type ke.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110010010A. Moment Tensor Solution. s104,c158; s123,c191;Duration: 1$\mathfrak{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65±.02 $M_{\theta\theta}$-0.70±.01; $M_{\phi\phi}$0.05±.01; $M_{r\theta}$0.35±.01; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$-0.04±.02; Best double couple: NP1: ϕ_s261.00000°,δ32.00000°,λ81.00000°. NP2:ϕ_s91.00000°,δ59.00000°,λ95.00000°. Principal axes: T 0.7360,Plg76.0000°,Azm16.0000°; N 0.0510,Plg5.0000°,Azm268.0000° ; P -0.7870,Plg13.0000°,Azm177.0000° $M_0$0.76100×10^{17}
NEIC Event type se.
ISC IX 28 05 29 32.0–1.3 51.9N–.10 171.50W–.04 57–10 4.1b 136 1-154
AEIC IX 28 05 29 31.0–1.7 51.9N–.10 171.51W–.08 42–7 4.1b **¶621111210**
IDC IX 28 05 29 31.6–3.4 52.22N 171.61W 47–32 4.3s,4.1
NEIC IX 28 05 29 31.2–1.2 51.8N–.10 171.49W–.05 44–9 4.1L,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 00 24 40.0–.49 52.03N–.08 171.21W–.03 40–3 4.8b,3.8s 341 1-154
MOS X 01 00 24 38.6–.97 52.14N 171.17W 41 4.7b,3.8s **¶621113754**
BGR X 01 00 24 38.5 51.66N 169.10W 33 4.7b,3.8s
IDC X 01 00 24 39.2–4.7 52.18N 171.22W 33–34 4.4,4.2b
NEIC X 01 00 24 39.9–2.2 51.95N–.09 171.14W–.07 35–1 4.8b,4.5L
BJI X 01 00 24 40.0 52.34N 171.19W 62 5.4b,5.0s
AEIC X 01 00 24 41.6–2.2 52.22N–.07 171.22W–.08 39–5 5.4b,5.0s
GFZ X 01 00 24 42.3–.27 52N–7.0 171W–3.0 57 5.5b,5.0
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 03 15 53 36.9–.90 52.07N–.08 171.20W–.03 46–7 4.6b,3.5s 452 1-154
MOS X 03 15 53 35.9–.92 52.15N 171.19W 49 4.7b,3.5s **¶621117126**
NEIC X 03 15 53 37.3–1.3 52.10N–.10 171.21W–.09 46–4 4.5L,4.5b
IDC X 03 15 53 37.1–2.2 52.17N 171.17W 45–18 4.3,4.0b
AEIC X 03 15 53 38.1–2.1 52.1N–.10 171.24W–.08 26–4 4.3,4.0b
BJI X 03 15 53 38.6 52.51N 171.96W 53 4.9b,4.8b
GFZ X 03 15 53 38.2–.83 52N–6.0 171W–3.0 51–7 6.1,6.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 27 16 19 50.0–.60 53.5N–.10 171.39W–.04 258–7 3.6b 155 1-90
NEIC X 27 16 19 50.6–2.1 53.5N–.20 171.4W–.10 253–9 4.0L,3.8L **¶621242472**
AEIC X 27 16 19 50.2–1.5 53.3N–.10 171.3W–.10 266–6 4.0L,3.8L
IDC X 27 16 19 50.6–3.2 53.65N 171.41W 262–31 3.9,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=8.9km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=21.3km s-min=8.9km az=166.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.0km s-min=12.9km az=3.0.
ISC X 13 21 27 20.6–1.9 52.1N–.10 169.30W–.07 31–12 3.8b 90 1-90
IDC X 13 21 27 16.6–1.1 52.30N 169.42W 0 3.8b,3.8 **¶621148216**
AEIC X 13 21 27 20.6–1.9 52.03N–.09 169.2W–.10 14–6 3.8b,3.8
NEIC X 13 21 27 21.7–1.1 52.15N–.08 169.4W–.10 35–2 3.8b,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 22 17 50.7–1.4 52.82N–.10 167.57W–.05 45–11 3.9b 96 1-115
AEIC X 13 22 17 49.9–1.9 52.85N–.05 167.60W–.05 27–5 3.9b **¶621238998**
NEIC X 13 22 17 50.2–1.1 52.84N–.05 167.65W–.06 42–9 3.7L,3.7b
IDC X 13 22 17 56.3–4.6 53.18N 167.56W 80–36 3.7,3.4b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=166.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.4km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.2km s-min=22.6km az=180.0.
NEIC X 14 20 19 41.1–1.1 53.12N–.07 166.91W–.06 35–2 3.9L,3.8b
AEIC X 14 20 19 41.1–1.2 53.15N–.08 166.97W–.05 41–8 3.9L,3.8b **¶622499681**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 20 17 00 51.9–1.9 53.2N–.20 167.7W–.20 76–11 3.6L,3.1L
AEIC X 20 17 00 51.7–2.1 53.1N–.10 167.56W–.09 58–9 3.6L,3.1L **¶622505921**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 09 05 59 49.1–1.1 53.24N–.08 166.84W–.05 50–9 4.1s,4.0b 131 1-95
IDC X 09 05 59 42.8–.96 53.43N 167.02W 0 4.2s,4.0b **¶621143703**
AEIC X 09 05 59 48.5–1.3 53.26N–.06 166.90W–.07 47–7 4.2s,4.0b
NEIC X 09 05 59 49.1–1.4 53.20N–.06 166.87W–.07 44–11 4.4L,4.1b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 15 15 13 29.6–.90 52.8N–.10 169.82W–.06 113–8 3.5b 85 1-90
IDC X 15 15 13 17.3–1.4 52.64N 170.05W 0 3.7b,3.7 **¶621242067**
NEIC X 15 15 13 27.3–2.1 52.5N–.20 169.5W–.10 130–11 3.7L,3.7b
AEIC X 15 15 13 28.8–2.5 52.8N–.20 169.8W–.20 113–7 3.7L,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 16 22 26 37.8–.49 53.6N–.20 167.7W–.20 113–5 3.6b,3.4L
AEIC X 16 22 26 38.1–.61 53.6N–.20 167.7W–.20 105–2 3.6b,3.4L **¶622505871**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 18 15 21 38.7–.72 52.5N–.10 170.35W–.07 55 3.8b 65 1-90
AEIC X 18 15 21 38.1–2.8 52.23N–.07 169.9W–.10 30–5 3.8b **¶621244033**
NEIC X 18 15 21 38.6–1.3 52.5N–.10 170.3W–.10 46–8 3.9b,3.3L
IDC X 18 15 21 44.5–5.3 52.45N 170.38W 112–47 3.8,3.3b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=13.7km s-min=4.4km az=140.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=7.2km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.9km s-min=18.1km az=9.0.
ISC XI 04 08 57 06.6–.21 52.63N–.04 167.96W–.03 36–1 5.7b,4.6s 2297 1-160

IDC XI 04 08 57 01.3–.37 52.67N 168.05W 0 5.5b,5.5 ¶621262041
PTWC XI 04 08 57 04 52.50N 167.70W 10 5.5,5.5
BJI XI 04 08 57 04.7 53.04N 168.47W 20 5.8b,5.3b
MOS XI 04 08 57 05.6–.95 52.70N 167.96W 41 6.0b,5.3b
NEIC XI 04 08 57 06.8 52.70N 167.98W 36 6.0b,5.3b
GFZ XI 04 08 57 06.5–.55 53N–2.0 168W–1.0 34–4 6.1b,5.9b
NEIC XI 04 08 57 06.9–1.3 52.67N–.06 167.93W–.05 39–4 5.6b,5.5L
NEIC XI 04 08 57 07.3 52.67N 167.96W 37 5.6b,5.5L
AEIC XI 04 08 57 07.2–1.1 52.65N–.06 167.94W–.07 52–4 5.6b,5.5L
NEIC XI 04 08 57 07.3 52.10N 167.32W 36 5.2,5.5L
GFZ XI 04 08 57 07.3 52.67N 167.96W 38 5.2W,5.5L
GCMT XI 04 08 57 09.2–.10 52.55N–.01 167.89W–.01 38–0 5.2W,5.5L
BGR XI 04 08 57 16.2 54.05N 168.45W 33 5.9b,5.5L
ISC Event type ke.
IDC Error ellipse: s-maj=13.6km s-min=9.0km az=175.0.
MOS Error ellipse: s-maj=7.4km s-min=4.2km az=98.3.
NEIC Event type se.
GFZ Error ellipse: s-maj=3.4km s-min=2.5km az=149.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.7km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}6.46 $M_{\theta\theta}$-3.63 $M_{\phi\phi}$-2.83 $M_{r\theta}$4.23 $M_{\theta\phi}$3.42 $M_{\phi r}$-1.94 NP1:ϕ_s321.53000°,δ28.66000°,λ107.38000°. NP2:ϕ_s121.90000°,δ62.76000°,λ80.73000°. Principal axes: T 8.0439,Plg71.0000°,Azm12.0000°; N 0.0123,Plg8.0000°,Azm126.0000°; P -8.0562,Plg17.0000°,Azm219.0000° $M_0$8.05000×10^{16}
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.5km az=185.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.98 $M_{\theta\theta}$-2.91 $M_{\phi\phi}$-3.07 $M_{r\theta}$2.78 $M_{\theta\phi}$5.26 $M_{\phi r}$-1.00 NP1:ϕ_s332.25000°,δ37.04000°,λ115.51000°. NP2:ϕ_s121.37000°,δ57.07000°,λ71.99000°. Principal axes: T 6.8148,Plg72.0000°,Azm348.0000°; N 1.9284,Plg15.0000°,Azm131.0000°; P -8.7432,Plg10.0000°,Azm224.0000° $M_0$7.96000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}6.46 $M_{\theta\theta}$-3.63 $M_{\phi\phi}$-2.83 $M_{r\theta}$4.23 $M_{\theta\phi}$3.42 $M_{\phi r}$-1.94 NP1: ϕ_s121.89524°,δ62.76199°,λ80.72562°. NP2:ϕ_s321.53099°,δ28.65891°,λ107.38416°. Principal axes: T 8.0439,Plg70.7543°,Azm11.6690°; N 0.0123,Plg8.2384°,Azm126.1695°; P -8.0563,Plg17.2682°,Azm218.7491° $M_0$8.05010×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111040857A. Moment Tensor Solution. s112,c173; s141,c233;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76±.02 $M_{\theta\theta}$-0.47±.02; $M_{\phi\phi}$-0.28±.01; $M_{r\theta}$0.42±.02; $M_{\theta\phi}$0.56±.01; $M_{\phi r}$-0.03±.02; Best double couple: NP1: ϕ_s330.00000°,δ38.00000°,λ121.00000°. NP2:ϕ_s113.00000°,δ58.00000°,λ69.00000°. Principal axes: T 0.9030,Plg69.0000°,Azm338.0000°; N 0.1070,Plg18.0000°,Azm124.0000°; P -1.0100,Plg11.0000°,Azm218.0000° $M_0$0.95700×10^{17}
BGR Event type ke.
ISC X 27 22 31 48.3–1.1 52.79N–.09 168.16W–.05 50–9 3.7b,3.1s 166 0-143
IDC X 27 22 31 40.6–1.1 52.67N 168.40W 0 3.8b,3.8 ¶621242503
AEIC X 27 22 31 47.1–1.9 52.80N–.05 168.19W–.06 47–5 3.8b,3.8
NEIC X 27 22 31 48.3–1.8 52.80N–.04 168.19W–.05 42–7 4.1L,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC X 28 19 18 37.9–1.4 52.76N–.05 168.28W–.07 35–2 3.7L,3.6b
AEIC X 28 19 18 37.5–1.6 52.77N–.06 168.27W–.07 31–8 3.7L,3.6b ¶621243318
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 29 06 28 17.4–1.6 53.13N–.06 166.64W–.04 14–9 4.4b,3.7s 166 1-97
AEIC X 29 06 28 15.0–2.1 53.06N–.04 166.60W–.06 3–4 4.4b,3.7s ¶621243379
IDC X 29 06 28 15.4–.67 53.31N 166.81W 0 4.2b,4.2
NEIC X 29 06 28 17.8–2.4 53.18N–.04 166.70W–.06 10–1 4.4b,4.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC X 31 12 43 03.7–1.5 53.19N–.06 166.68W–.07 35–2 3.6L,3.3L
AEIC X 31 12 43 02.4–1.4 53.12N–.07 166.67W–.08 27–8 3.6L,3.3L ¶622506079
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 23 18 53 13.1–1.8 52.21N–.06 168.00W–.04 8–10 3.9b,3.4s 120 1-87
NEIC XI 23 18 53 15.3–1.6 52.22N–.04 168.11W–.07 24–3 3.9b,3.3L ¶621449589
AEIC XI 23 18 53 15.9–1.9 52.27N–.04 168.11W–.03 26–5 3.9b,3.3L
IDC XI 23 18 53 18.3–1.8 53.26N 168.73W 0 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.2km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.5km s-min=1.4km az=160.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.2km s-min=20.2km az=172.0.
NEIC XI 08 10 16 19.9–.71 52.0N–.10 170.5W–.10 35–2 3.6L,3.3L
AEIC XI 08 10 16 23.2–1.3 52.4N–.20 170.7W–.10 40–10 3.6L,3.3L ¶621384591
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XI 22 08 57 33.7–.45 53.7N–.30 165.6W–.30 101–17 3.4L,2.9L
AEIC XI 22 08 57 34.6–.41 53.9N–.30 165.7W–.20 108–7 3.4L,2.9L ¶621428168
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 09 13 07 53.3–1.8 53.12N–.08 167.08W–.04 30–12 3.8b 86 1-115
IDC XI 09 13 07 48.0–1.7 53.16N 167.15W 0 3.7b,3.7 ¶621385497
AEIC XI 09 13 07 53.7–2.6 53.20N–.08 167.15W–.07 55–6 3.7b,3.7
NEIC XI 09 13 07 55.1–1.8 53.17N–.06 167.09W–.06 42–10 3.9b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC XI 14 01 50 24.2–.91 53.6N–.20 166.2W–.20 64–16 3.5L,3.1L
AEIC XI 14 01 50 23.8–.61 53.7N–.20 166.3W–.20 70–9 3.5L,3.1L ¶622511670
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 19 02 43 03.9–1.1 51.5N–.10 169.86W–.05 35 3.4b 33 1-53
NEIC XI 19 02 43 00.9–1.4 51.25N–.06 169.8W–.10 10–2 3.5L ¶622511729
IDC XI 19 02 43 26.5–2.7 52.43N 164.40W 0 4.7L,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=4.2km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=237.5km s-min=37.7km az=6.0.
ISC XI 22 07 05 41.8–.90 52.88N–.09 168.41W–.05 67–7 3.8b 152 0-143
IDC XI 22 07 05 33.7–.87 52.84N 168.69W 0 3.8b,3.8 ¶621440139
NEIC XI 22 07 05 41.8–1.4 52.90N–.07 168.45W–.07 66–3 4.2L,3.8b
AEIC XI 22 07 05 42.5–3.1 52.89N–.06 168.37W–.07 48–5 4.2L,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 05 01 01 21.5–.65 51.97N–.04 167.04W–.03 13–3 5.1b,4.3s 857 2-159
BJI XII 05 01 01 18.4 52.04N 167.07W 10 5.2b,5.2b ¶621612578
MOS XII 05 01 01 19.9–.93 51.86N 167.18W 11 5.2b,4.2s
IDC XII 05 01 01 19.6–.44 51.88N 167.17W 0 4.8b,4.8
NEIC XII 05 01 01 21.6–2.0 51.94N–.05 167.07W–.07 10–1 5.2b,5.0L
GFZ XII 05 01 01 21.9–.16 52N–4.0 167W–2.0 10 6.2b,5.9
AEIC XII 05 01 01 23.4–2.0 51.99N–.06 166.99W–.02 26–3 6.2b,5.9
BGR XII 05 01 01 28.5 52.19N 167.50W 33 5.1b,5.9
ISC Event type ke.
MOS Error ellipse: s-maj=9.5km s-min=4.7km az=104.2.
IDC Error ellipse: s-maj=14.4km s-min=9.4km az=165.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.9km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AEIC Event type se. Error ellipse: s-maj=9.0km s-min=1.4km az=169.0. hypocenter. manual.
BGR Event type ke.
NEIC XII 09 14 14 52.1–.58 54.1N–.20 165.3W–.20 80–9 3.5L,3.1L
AEIC XII 09 14 14 52.0–.83 54.0N–.10 165.3W–.10 71–8 3.5L,3.1L ¶622512076
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XII 08 23 02 48.9–.71 54.5N–.30 166.7W–.30 183–11 3.5L,3.0L
AEIC XII 08 23 02 48.8–.88 54.3N–.20 166.5W–.20 182–5 3.5L,3.0L ¶621622164
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 11 08 12 48.8–1.5 51.8N–.10 171.55W–.05 49–12 3.9b 78 1-89
IDC XII 11 08 12 42.5–1.2 52.03N 171.76W 0 3.8b,3.8 ¶621627530
AEIC XII 11 08 12 47.4–1.9 51.7N–.10 171.50W–.05 20–6 3.8b,3.8
NEIC XII 11 08 12 48.1–1.7 51.8N–.10 171.52W–.08 39–6 4.2L,4.0b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 16 59 51.3–1.5 52.74N–.10 168.21W–.05 45–12 3.9b 110 1-115
NEIC XII 21 16 59 50.7–1.8 52.70N–.05 168.16W–.07 35–2 4.0b,3.8L ¶621636626
AEIC XII 21 16 59 50.9–2.4 52.72N–.04 168.12W–.08 31–4 4.0b,3.8L
IDC XII 21 16 59 51.3–3.9 52.81N 168.28W 44–36 4.0s,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.8km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.2km az=122.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.7km s-min=16.7km az=173.0.
ISC XII 21 17 02 04.9–1.1 52.74N–.09 168.13W–.05 53–9 4.2b 312 1-91
AEIC XII 21 17 02 03.3–3.7 52.67N–.04 168.29W–.08 15–1 4.2b ¶621636632
NEIC XII 21 17 02 04.0–2.1 52.70N–.05 168.16W–.08 43–6 4.4L,4.3b
IDC XII 21 17 02 04.8–3.5 52.87N 168.30W 43–31 4.1,3.9b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.2km az=133.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.0km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=12.9km az=178.0.
ISC XII 29 03 23 16.3–1.2 52.32N–.08 169.63W–.04 33–3 4.4b,3.4s 216 1-154
AEIC XII 29 03 23 14.1–3.7 52.22N–.09 169.52W–.09 5–3 4.4b,3.4s ¶621656486
IDC XII 29 03 23 17.1–2.8 52.47N 169.71W 33–19 4.2,4.0L
NEIC XII 29 03 23 18.3–2.1 52.47N–.09 169.60W–.09 35–1 4.5L,4.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

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ISC VII 05 19 48 28.5–.61 55.47N–.07 163.44W–.04 179–6 3.9b 188 1-65
IDC VII 05 19 48 27.3–3.6 55.79N 163.66W 151–29 3.9,3.3b ¶620927987
NEIC VII 05 19 48 28.3–1.6 55.43N–.08 163.49W–.09 177–6 4.1b,3.7L
AEIC VII 05 19 48 29.1–1.9 55.27N–.07 163.38W–.08 185–5 4.1b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 06 05 08 51.3–.84 53.4N–.10 163.53W–.07 29 4.2b,3.5s 76 1-143
IDC VII 06 05 08 47.7–1.4 53.51N 163.74W 0 4.0b,4.0 ¶620734456
NEIC VII 06 05 08 50.5–2.0 53.6N–.10 163.63W–.09 17–7 3.8b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 13 07 48 35.2–.43 54.5N–.10 163.59W–.09 86–11 3.5L ¶622450647
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 15 13 37 35.7–1.1 53.98N–.05 164.52W–.03 19–4 4.1b 118 0-154
IDC VII 15 13 37 33.2–.73 54.13N 164.68W 0 3.8b,3.8 ¶620830003
NEIC VII 15 13 37 34.6–1.1 53.95N–.04 164.46W–.04 10–5 4.3L,4.2b
AEIC VII 15 13 37 36.2–1.8 54.06N–.05 164.57W–.06 23–5 4.3L,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 03 03 55 45.6–1.7 53.51N–.05 163.63W–.03 17–10 4.7b,3.9s 337 1-154
BJI IX 03 03 55 41.5 53.50N 163.60W 10 4.9b,4.8b ¶621024231
IDC IX 03 03 55 42.8–.69 53.58N 163.80W 0 4.4b,4.4
NEIC IX 03 03 55 45.4–1.9 53.54N–.05 163.60W–.06 12–4 4.7b,4.5
NEIC IX 03 03 55 45.5 53.54N 163.60W 13 4.7b,4.5
AEIC IX 03 03 55 47.6–1.3 53.60N–.05 163.72W–.05 25–4 4.7b,4.5
GFZ IX 03 03 55 52.8–.68 53N–6.0 164W–3.0 74–6 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.18 $M_{\theta\theta}$0.57 $M_{\phi\phi}$-3.75 $M_{r\theta}$4.89 $M_{\theta\phi}$-3.74 $M_{\phi r}$2.00 NP1:ϕ_s174.97000°,δ35.02000°,λ28.18000°. NP2:ϕ_s61.27000°,δ74.28000°,λ121.70000°. Principal axes: T 6.9937,Plg50.0000°,Azm7.0000°; N 0.6883,Plg30.0000°,Azm232.0000°; P -7.6820,Plg23.0000°,Azm128.0000° $M_0$7.36000×10^{15}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 20 09 01 59.5–1.8 53.25N–.06 164.06W–.04 2–10 4.2b,3.3s 104 1-86
NEIC VIII 20 09 02 02.4–1.5 53.28N–.03 163.96W–.08 27–3 3.7b,3.7L ¶620998515
AEIC VIII 20 09 02 05.3–3.7 53.36N–.04 164.17W–.05 31–5 3.7b,3.7L
IDC VIII 20 09 02 08.0–5.1 53.65N 164.33W 33–38 3.9L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.5km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.2km az=204.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.1km s-min=15.9km az=0.0.
ISC IX 10 09 15 15.5–1.4 53.47N–.06 163.53W–.04 19–6 4.1b,3.2s 206 1-143
IDC IX 10 09 15 13.2–.95 53.64N 163.68W 0 4.0b,4.0 ¶621108503
NEIC IX 10 09 15 15.4–.86 53.44N–.06 163.54W–.07 19–5 4.1b,3.9L
AEIC IX 10 09 15 17.8–1.0 53.47N–.06 163.57W–.07 22–5 4.1b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 08 03 09 20.6–.82 53.42N–.07 163.56W–.04 29 3.8b 84 1-76
AEIC IX 08 03 09 20.7–1.5 53.38N–.03 163.51W–.06 26–6 3.8b ¶621105761
NEIC IX 08 03 09 20.3–.98 53.441N–.01 163.57W–.06 26–7 3.3L,3.1L
IDC IX 08 03 09 34.0–6.5 53.27N 163.76W 158–60 3.7,3.3b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=74.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=1.1km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.4km s-min=20.8km az=0.0.
ISC IX 09 19 23 25.8–.56 53.56N–.04 163.55W–.03 19–1 5.0b,4.5s 796 1-154
BJI IX 09 19 23 22.0 53.60N 163.60W 20 5.2b,5.1b ¶621049470

IDC	IX	09 19 23 23.8–.65	53.73N	163.76W	0	4.7b,4.7			
NEIC	IX	09 19 23 24.0–1.8	53.47N–.05	163.53W–.06	10–4	5.1b,4.9			
NEIC	IX	09 19 23 24	53.47N	163.53W	10	5.1b,4.9			
AEIC	IX	09 19 23 24.6–1.8	53.42N–.04	163.50W–.07	18–4	5.1b,4.9			
NEIC	IX	09 19 23 25.6	53.49N	163.53W	22	5.1b,4.9			
GFZ	IX	09 19 23 28.2–.33	54N–4.0	164W–2.0	29–2	6.0,5.9			
GCMT	IX	09 19 23 28.4–.20	53.41N–.01	163.66W–.02	16–0	5.1W,5.9			
NEIC	IX	09 19 23 31.1	53.29N	163.53W	18	5.1,5.9			
BGR	IX	09 19 23 32.1	53.97N	163.99W	33	5.1b,5.9			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=18.0km s-min=7.9km az=166.0.								
NEIC	Event type se. Error ellipse: s-maj=7.7km s-min=4.8km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.97 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-0.67 $M_{r\theta}$2.02 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.93 NP1:ϕ_s191.41000°,δ19.13000°,λ40.21000°. NP2:ϕ_s62.79000°,δ77.78000° ,λ104.84000°. Principal axes: T 2.4741,Plg55.0000°,Azm351.0000°; N 0.1060,Plg14.0000° ,Azm240.0000°; P -2.5802,Plg31.0000°,Azm141.0000° $M_0$2.53000×10^{16}								
NEIC	Event type se.								
AEIC	Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=117.0. hypocenter. manual.								
NEIC	Event type se.								
GFZ	Error ellipse: s-maj=8.4km s-min=4.3km az=175.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109091923A. Moment Tensor Solution. s67,c103; s112,c198;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.12 $M_{\theta\theta}$-2.29±.09; $M_{\phi\phi}$-1.02±.08; $M_{r\theta}$4.26±.33; $M_{\theta\phi}$-1.87±.05; $M_{\phi r}$0.90±.22; Best double couple: NP1: ϕ_s217.00000°,δ22.00000°,λ56.00000°. NP2:ϕ_s73.00000°,δ71.00000°,λ103.00000°. Principal axes: T 5.6090,Plg61.0000°,Azm2.0000°; N -0.0720,Plg12.0000°,Azm248.0000° ; P -5.5380,Plg25.0000°,Azm153.0000° $M_0$5.57300×10^{16}								
NEIC	Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}2.38 $M_{\theta\theta}$-2.34 $M_{\phi\phi}$-0.04 $M_{r\theta}$3.15 $M_{\theta\phi}$-1.77 $M_{\phi r}$2.47 NP1:ϕ_s256.03000°,δ18.87000° ,λ112.50000°. NP2:ϕ_s52.39000°,δ72.61000°,λ82.55000°. Principal axes: T 4.5021,Plg62.0000°,Azm311.0000°; N 0.8371,Plg7.0000°,Azm55.0000° ; P -5.3393,Plg27.0000°,Azm148.0000° $M_0$4.97000×10^{16}								
BGR	Event type ke.								
ISC	**IX**	**12 17 03 10.2–2.8**	**53.43N–.05**	**163.53W–.03**	**13–17**	**4.8b,4.1s**	**402**	**1-159**	
IDC	IX	12 17 03 09.0–.63	53.60N	163.70W	0	4.4b,4.4			**¶621070698**
NEIC	IX	12 17 03 09.7–1.6	53.41N–.04	163.56W–.06	10–1	4.7b,4.5L			
BJI	IX	12 17 03 09.8	53.77N	164.18W	10	5.1b,4.9s			
GFZ	IX	12 17 03 10.5–.23	53N–5.0	163W–3.0	10	6.0,6.0			
AEIC	IX	12 17 03 12.0–1.5	53.41N–.05	163.51W–.06	12–4	6.0,6.0			
GCMT	IX	12 17 03 14.1–.50	53.57N–.05	163.39W–.05	22–1	4.8W,6.0			
BGR	IX	12 17 03 24.7	55.15N	166.58W	33	4.8b,4.1s			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=18.2km s-min=10.3km az=173.0.								
NEIC	Event type se. Error ellipse: s-maj=7.4km s-min=6.4km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
AEIC	Event type se. Error ellipse: s-maj=7.3km s-min=5.5km az=179.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109121703A. Moment Tensor Solution. s20,c20; s61,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.97±.21 $M_{\theta\theta}$-0.86±.15; $M_{\phi\phi}$-1.11±.12; $M_{r\theta}$-0.12±.23; $M_{\theta\phi}$-0.75±.06; $M_{\phi r}$1.32±.18; Best double couple: NP1:ϕ_s234.00000°,δ33.00000° ,λ120.00000°. NP2:ϕ_s19.00000°,δ62.00000°,λ72.00000°. Principal axes: T 2.5000,Plg68.0000°,Azm253.0000°; N -0.5070,Plg16.0000°,Azm28.0000° ; P -1.9940,Plg15.0000°,Azm122.0000° $M_0$2.24700×10^{16}								
BGR	Event type ke.								
ISC	**IX**	**10 05 57 54.5–4.1**	**53.33N–.07**	**163.46W–.04**	**8–25**	**4.1b**	**139**	**1-86**	
NEIC	IX	10 05 57 54.9–1.6	53.34N–.05	163.46W–.06	10–1	4.1b,3.6L			**¶621108486**
AEIC	IX	10 05 57 57.6–1.6	53.38N–.03	163.51W–.07	12–5	4.1b,3.6L			
IDC	IX	10 05 57 57.1–1.6	53.89N	163.89W	0	3.9b,3.9			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=9.5km s-min=6.2km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. Error ellipse: s-maj=6.4km s-min=4.1km az=123.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=39.4km s-min=17.0km az=168.0.								
ISC	**IX**	**13 16 09 17.9–2.2**	**53.52N–.07**	**163.43W–.04**	**17–13**	**3.8b**	**63**	**1-80**	
NEIC	IX	13 16 09 19.5–1.1	53.48N–.07	163.43W–.09	35–2	3.7b,3.6L			**¶621109711**
AEIC	IX	13 16 09 20.2–1.6	53.61N–.07	163.54W–.08	58–8	3.7b,3.6L			
IDC	IX	13 16 09 22.9–3.5	54.79N	163.76W	0	3.7b,3.7			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=12.4km s-min=6.7km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. Error ellipse: s-maj=10.3km s-min=6.6km az=158.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=105.9km s-min=17.1km az=166.0.								
ISC	**X**	**05 22 59 17.3–.61**	**53.63N–.08**	**163.23W–.04**	**10**	**4.3b,3.5s**	**110**	**1-85**	
IDC	X	05 22 59 16.9–1.1	53.83N	163.41W	0	3.9b,3.9			**¶621203196**
NEIC	X	05 22 59 19.6–1.4	53.69N–.08	163.27W–.08	22–3	4.4b,3.6L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**15 03 34 41.9–.95**	**54.32N–.08**	**163.54W–.04**	**74–8**	**3.5b**	**84**	**0-70**	
IDC	IX	15 03 34 38.9–3.4	54.49N	164.03W	42–30	3.5,3.4b			**¶621111969**
AEIC	IX	15 03 34 41.9–1.4	54.28N–.07	163.53W–.07	60–6	3.5,3.4b			
NEIC	IX	15 03 34 42.1–1.3	54.30N–.08	163.55W–.04	71–7	3.4b,3.3L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**06 05 21 52.6–1.7**	**53.52N–.09**	**163.45W–.04**	**22–7**	**4.3b,3.6s**	**145**	**1-143**	
IDC	X	06 05 21 49.5–.88	53.64N	163.53W	0	4.0b,4.0			**¶621126149**
NEIC	X	06 05 21 53.9–1.9	53.53N–.06	163.51W–.07	35–2	4.4b,4.0L			
AEIC	X	06 05 21 54.8–1.9	53.58N–.06	163.54W–.07	40–6	4.4b,4.0L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**X**	**14 21 35 01.5–2.3**	**53.32N–.07**	**164.18W–.04**	**9–13**	**3.9b**	**65**	**1-86**	
IDC	X	14 21 35 01.9–1.6	53.61N	164.41W	0	3.8b,3.8			**¶621240659**
AEIC	X	14 21 35 03.9–.93	53.32N–.07	164.18W–.09	26–9	3.8b,3.8			
NEIC	X	14 21 35 03.2–.70	53.4N–.10	164.24W–.07	13–13	3.4L,3.2L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**06 06 28 10.2–2.1**	**53.50N–.08**	**163.46W–.04**	**11–11**	**3.8b**	**73**	**1-65**	
IDC	X	06 06 28 08.8–1.9	53.46N	163.64W	0	3.6b,3.5			**¶621217130**
AEIC	X	06 06 28 10.7–1.3	53.41N–.08	163.39W–.08	26–7	3.6b,3.5			
NEIC	X	06 06 28 11.0–1.5	53.47N–.08	163.47W–.08	19–7	3.3L,3.1L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**06 06 42 47.5–1.7**	**53.47N–.05**	**163.43W–.03**	**6–9**	**4.4b,3.7s**	**185**	**1-86**	
IDC	X	06 06 42 47.5–.81	53.68N	163.58W	0	4.1b,4.1			**¶621126157**
NEIC	X	06 06 42 48.4–2.0	53.48N–.05	163.52W–.07	10–1	4.4b,4.1L			
AEIC	X	06 06 42 50.5–2.2	53.51N–.03	163.48W–.08	30–5	4.4b,4.1L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**X**	**06 03 42 21.9–.98**	**53.47N–.05**	**163.42W–.03**	**10–5**	**4.4b,3.9s**	**233**	**1-143**	
NEIC	X	06 03 42 21.9–1.3	53.49N–.05	163.49W–.03	11–5	4.5b,4.2L			**¶621126148**
IDC	X	06 03 42 21.7–.87	53.68N	163.72W	0	4.1b,4.1			
AEIC	X	06 03 42 24.2–2.4	53.51N–.06	163.50W–.04	41–5	4.1b,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**XII**	**02 02 17 28.9–1.2**	**54.59N–.05**	**163.36W–.03**	**6–10**		**83**	**0-49**	
IDC	XII	02 02 17 25.7–15	54.29N	163.93W	0	3.2b,3.2			**¶621629865**
AEIC	XII	02 02 17 29.1–1.2	54.59N–.06	163.32W–.04	7–5	3.2b,3.2			
NEIC	XII	02 02 17 30.9–1.6	54.65N–.07	163.39W–.05	23–7	3.7L,3.6b			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**27 02 51 36.5–1.2**	**53.98N–.07**	**163.04W–.04**	**42–14**	**3.5b**	**123**	**1-71**	
IDC	X	27 02 51 31.8–1.2	54.27N	163.09W	0	3.6b,3.5			**¶621385446**
AEIC	X	27 02 51 34.3–1.9	53.96N–.03	163.04W–.04	10–4	3.6b,3.5			
NEIC	X	27 02 51 36.3–1.2	53.96N–.05	163.06W–.05	35–11	3.7L,3.6b			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XI**	**01 17 07 48.5–2.0**	**53.25N–.07**	**164.10W–.05**	**10–11**	**4.1b**	**95**	**1-71**	
IDC	XI	01 17 07 46.7–1.9	53.04N	164.35W	0	3.9b,3.8			**¶621401281**
NEIC	XI	01 17 07 48.9–1.8	53.25N–.05	164.13W–.03	10–1	3.9b,3.4L			
AEIC	XI	01 17 07 53.0–1.9	53.26N–.05	164.15W–.07	1–5	3.9b,3.4L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**XI**	**18 14 06 05.2–1.2**	**53.77N–.07**	**164.21W–.04**	**49–10**	**3.7b**	**127**	**1-114**	
AEIC	XI	18 14 06 03.5–1.7	53.75N–.04	164.19W–.04	26–6	3.7b			**¶621416067**
NEIC	XI	18 14 06 05.1–2.1	53.82N–.05	164.25W–.07	41–12	4.1L,3.8L			
IDC	XI	18 14 06 05.4–1.4	55.01N	164.87W	0	3.7b,3.7			
ISC	Event type se.								
AEIC	Event type se. Error ellipse: s-maj=6.4km s-min=1.1km az=152.0. hypocenter. manual.								
NEIC	Event type se. Error ellipse: s-maj=8.6km s-min=4.8km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=36.7km s-min=15.8km az=178.0.								
ISC	**XII**	**25 14 40 49.1–.81**	**55.7N–.10**	**164.36W–.07**	**231–8**	**3.2b**	**73**	**1-145**	
IDC	XII	25 14 40 40.8–6.2	55.60N	164.75W	147–48	3.4,3.1b			**¶621653378**
NEIC	XII	25 14 40 48.6–.98	55.5N–.10	164.2W–.20	243–5	3.5L,3.1L			
AEIC	XII	25 14 40 49.2–1.6	55.0N–.10	163.8W–.20	260–4	3.5L,3.1L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**XII**	**12 12 41 08.6–.74**	**53.67N–.07**	**164.91W–.04**	**44–6**	**4.5b,3.5s**	**294**	**1-154**	
IDC	XII	12 12 41 03.5–.69	53.86N	165.14W	0	4.2b,4.2			**¶621627807**
NEIC	XII	12 12 41 08.7–1.7	53.69N–.05	164.91W–.05	47–6	4.5L,4.5b			
AEIC	XII	12 12 41 08.1–1.7	53.64N–.05	164.88W–.06	26–3	4.5L,4.5b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**XII**	**31 23 10 34.7–1.6**	**54.56N–.07**	**163.29W–.03**	**14–11**	**3.6b**	**69**	**0-65**	
AEIC	XII	31 23 10 34.8–1.5	54.60N–.05	163.36W–.06	13–4	3.6b			**¶621726096**
NEIC	XII	31 23 10 35.6–1.9	54.6N–.10	163.38W–.09	20–8	3.7L,3.4L			
IDC	XII	31 23 10 37.4–1.5	55.01N	163.11W	0	3.6b,3.5			
ISC	Event type se.								
AEIC	Event type se. Error ellipse: s-maj=9.2km s-min=1.2km az=146.0. hypocenter. manual.								
NEIC	Event type se. Error ellipse: s-maj=17.9km s-min=3.2km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=34.7km s-min=18.5km az=168.0.								

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ISC	**VII**	**02 04 42 25.0–1.0**	**57.92N–.03**	**155.89W–.02**	**10–11**		**85**	**0-9**	
NEIC	VII	02 04 42 25.0–1.3	57.92N–.04	155.87W–.04	10–2	3.5L,3.2L			**¶620697796**
AEIC	VII	02 04 42 25.0–1.2	57.93N–.04	155.89W–.04	10–6	3.5L,3.2L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
NEIC	**VII**	**02 22 29 38.8–1.1**	**57.93N–.02**	**155.87W–.02**	**10–2**	**2.9L,2.4L**			
AEIC	VII	02 22 29 38.7–1.5	57.90N–.01	155.85W–.02	9–6	2.9L,2.4L			**¶620733154**
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
NEIC	**VII**	**02 22 30 49.1–1.1**	**57.07N–.04**	**157.41W–.06**	**17–4**	**2.9L,2.6L**			
AEIC	VII	02 22 30 50.9–2.4	57.15N–.06	157.7W–.10	23–7	2.9L,2.6L			**¶620733155**
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
NEIC	**VII**	**02 22 30 56.0–1.4**	**57.93N–.03**	**155.88W–.04**	**11–2**	**2.7L,2.2L**			
AEIC	VII	02 22 30 55.9–1.1	57.91N–.02	155.87W–.03	13–5	2.7L,2.2L			**¶622448461**
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**06 07 30 04.8–1.0**	**55.14N–.10**	**157.73W–.07**	**35**	**3.6b**	**95**	**1-47**	
IDC	VII	06 07 30 00.7–2.3	55.18N	157.79W	0	3.6L,3.6b			**¶620928011**
NEIC	VII	06 07 30 02.2–1.2	55.0N–.10	157.77W–.08	25–12	3.7b,3.4L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VII**	**08 05 21 10.6–.73**	**57.87N–.05**	**156.85W–.05**	**145–7**	**3.9b**	**141**	**0-148**	
IDC	VII	08 05 21 09.4–1.8	58.06N	156.95W	126–14	3.9,3.4b			**¶620928156**
AEIC	VII	08 05 21 10.8–2.2	57.84N–.06	156.9W–.10	165–6	3.9,3.4b			
NEIC	VII	08 05 21 11.3–.69	57.85N–.05	156.8W–.10	147–6	4.2b,3.7L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VII**	**11 20 24 45.3–.86**	**57.31N–.07**	**157.39W–.06**	**126**	**3.8b**	**54**	**0-66**	
NEIC	VII	11 20 24 46.2–.87	57.30N–.05	157.43W–.07	126–8	3.2L,3.2L			**¶620928444**
IDC	VII	11 20 24 47.0–2.7	57.81N	157.39W	118–28	3.8,3.5b			
AEIC	VII	11 20 24 47.2–7.0	57.65N–.06	157.9W–.10	116–6	3.8,3.5b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
ISC	**VII**	**16 05 48 39.0–1.4**	**55.48N–.05**	**158.50W–.05**	**32–10**	**3.8b**	**108**	**1-145**	
IDC	VII	16 05 48 34.0–1.0	55.50N	158.57W	0	3.7b,3.6			**¶620831328**
AEIC	VII	16 05 48 38.3–1.0	55.45N–.05	158.44W–.09	13–5	3.7b,3.6			
NEIC	VII	16 05 48 40.4–1.2	55.47N–.04	158.52W–.09	35–2	3.7L,3.4L			
ISC	Event type se.								
AEIC	Event type se. hypocenter. manual.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NEIC	**VII**	**22 01 40 11.5–.88**	**54.7N–.10**	**161.2W–.10**	**30–16**	**3.5L**			**¶620844254**
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VII**	**27 10 36 24.6–.94**	**56.79N–.05**	**155.02W–.03**	**52–9**	**4.0b**	**185**	**1-147**	
IDC	VII	27 10 36 17.9–.85	56.87N	155.51W	0	3.9b,3.9			**¶620847375**
NEIC	VII	27 10 36 24.3–.93	56.77N–.06	155.05W–.06	50–7	4.1b,3.8L			
AEIC	VII	27 10 36 24.9–1.3	56.77N–.05	155.05W–.06	41–6	4.1b,3.8L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
AEIC	Event type se. hypocenter. manual.								
NEIC	**VII**	**29 06 20 44.5–2.0**	**55.22N–.05**	**157.8W–.10**	**35–2**	**5.1L**			**¶622450817**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 06 23 01.8–.62 55.9N–.10 157.11W–.06 35 5.4b 63 1-165
IDC VII 29 06 22 55.9–1.7 55.69N 157.59W 0 5.0b,5.0 ¶626337071
NEIC VII 29 06 23 02.3–1.3 55.88N–.08 157.0W–.10 35–2 5.8L,5.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 06 23 28.9–.45 55.38N–.04 157.54W–.03 28–2 6.2b 886 1-155
IDC VII 29 06 23 25.0–.52 55.42N 157.59W 0 6.0b,5.9 ¶620984038
AEIC VII 29 06 23 27.0–2.8 55.37N–.04 157.21W–.07 1–4 6.0b,5.9
BJI VII 29 06 23 28.6 55.46N 157.93W 34 6.2b,5.9
MOS VII 29 06 23 29.4–.95 55.54N 157.66W 37 6.5b,5.9
GFZ VII 29 06 23 31.6–.57 55N–11 158W–8.0 39 7.9,6.3b
NEIC VII 29 06 23 31.4–1.1 55.48N–.05 157.47W–.08 43–6 6.3b,6.0L
BGR VII 29 06 23 33.5 55.90N 158.62W 33 5.9b,6.0L
ISC Event type ke.
IDC Error ellipse: s-maj=14.8km s-min=8.8km az=164.0.
AEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.9km az=137.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.1km s-min=5.1km az=98.4.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC VII 29 06 28 18.8–1.5 55.41N–.05 157.35W–.04 17–9 4.8b 121 1-76
IDC VII 29 06 28 14.9–4.0 55.24N 157.35W 0 4.7b,4.7 ¶620984040
AEIC VII 29 06 28 22.8–3.3 55.45N–.03 157.59W–.07 9–5 4.7b,4.7
NEIC VII 29 06 28 22.2–1.2 55.44N–.05 157.42W–.10 40–11 5.2b,4.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 06 28 50.4–.49 55.19N–.07 157.54W–.05 35 5.0b 145 1-85
IDC VII 29 06 28 46.7–1.3 55.27N 157.85W 0 4.8b,4.8 ¶620984043
NEIC VII 29 06 28 49.7–1.3 55.15N–.07 157.60W–.09 35–2 5.3b,4.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 29 06 31 32.4–.59 55.24N–.02 157.62W–.08 7–7 4.8L,4.6b
AEIC VII 29 06 31 35.1–.84 55.28N–.05 157.63W–.07 7–6 4.8L,4.6b ¶620857940
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 06 35 12.5–1.4 55.52N–.01 157.84W–.07 22–8 4.6b,4.3L
AEIC VII 29 06 35 13.1–2.0 55.53N–.04 157.85W–.06 7–5 4.6b,4.3L ¶622450822
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 06 36 02.9–1.1 55.23N–.08 157.42W–.09 20–3 4.5L,4.5L
AEIC VII 29 06 36 04.7–1.4 55.22N–.07 157.36W–.10 25–6 4.5L,4.5L ¶620984044
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 06 39 15.2–.67 55.0N–.10 157.01W–.07 24 4.5b 94 2-158
IDC VII 29 06 39 11.6–.95 55.00N 156.97W 0 4.3b,4.3 ¶620984048
NEIC VII 29 06 39 15.6–1.2 55.05N–.09 157.14W–.08 34–11 4.8b,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 06 45 08.8–1.6 55.07N–.05 157.67W–.03 5–10 4.5b 165 1-145
IDC VII 29 06 45 09.1–.68 55.28N 157.99W 0 4.6L,4.4b ¶620984052
NEIC VII 29 06 45 11.0–1.1 55.03N–.03 157.62W–.07 24–6 4.8b,4.5L
AEIC VII 29 06 45 12.3–1.3 55.00N–.05 157.55W–.08 25–4 4.8b,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 06 47 25.4–1.4 55.18N–.05 157.74W–.04 28–9 5.0b 336 1-161
IDC VII 29 06 47 21.5–.58 55.22N 157.97W 0 4.8L,4.8b ¶620857942
MOS VII 29 06 47 22.2–.85 55.29N 157.92W 14 5.3b,4.8b
NEIC VII 29 06 47 23.4–1.3 55.12N–.05 157.76W–.08 9–4 5.2b,4.9L
AEIC VII 29 06 47 25.5–1.5 55.04N–.06 157.65W–.08 26–4 5.2b,4.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 06 54 19.3–1.9 55.08N–.02 158.46W–.06 32–11 3.7L,3.7L
AEIC VII 29 06 54 18.6–1.3 55.01N–.08 158.3W–.20 40–10 3.7L,3.7L ¶622450830
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 06 57 02.5–1.7 55.31N–.07 157.04W–.03 15–10 4.6b 216 1-145
IDC VII 29 06 57 00.6–.64 55.36N 157.35W 0 4.4b,4.4 ¶620984054
NEIC VII 29 06 57 02.1–1.4 55.13N–.04 157.05W–.06 18–5 4.9b,4.4L
AEIC VII 29 06 57 04.2–1.1 55.14N–.05 156.97W–.05 25–5 4.9b,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 07 09 39.4–1.1 55.02N–.05 158.1W–.10 35–2 3.5L,3.0L
AEIC VII 29 07 09 41.5–1.9 55.16N–.06 158.47W–.08 9–7 3.5L,3.0L ¶622450833
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 07 11 27.3–1.3 55.14N–.05 158.51W–.04 30–9 4.2b 167 1-82
IDC VII 29 07 11 23.4–.76 55.29N 158.69W 0 4.1b,4.1 ¶620984056
AEIC VII 29 07 11 28.0–1.9 55.03N–.05 158.50W–.07 18–4 4.1b,4.1
NEIC VII 29 07 11 28.7–1.7 55.12N–.05 158.54W–.09 37–9 4.3b,4.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 29 07 18 05.4–1.4 55.01N–.02 158.17W–.09 35–2 3.5L,3.2L
AEIC VII 29 07 18 06.5–2.2 55.17N–.07 158.42W–.07 6–7 3.5L,3.2L ¶622450835
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 06 15 47.5–.20 55.45N–.02 158.00W–.02 22–2 8.2s,7.0b 3419 1-164
BJI VII 29 06 15 41.8 55.45N 157.95W 10 8.1s,8.1 ¶620857937
IDC VII 29 06 15 43.7–.33 55.54N 158.18W 0 7.9s,6.2b
BGR VII 29 06 15 44.9 54.64N 160.40W 33 8.0,7.7s
PTWC VII 29 06 15 45 55.30N 157.70W 10 7.4,7.7s
NEIC VII 29 06 15 46.7 55.43N 157.91W 19 7.4,7.7s
MOS VII 29 06 15 46.5–1.0 55.46N 158.03W 30 7.9s,7.2b
NEIC VII 29 06 15 48.4 55.42N 157.95W 32 7.9s,7.2b
NEIC VII 29 06 15 48.2–1.4 55.39N–.04 157.89W–.03 30–3 8.3,7.2L
IPGP VII 29 06 15 49.0 55.47N 157.92W 35 8.1W,7.2L
AEIC VII 29 06 15 49.2–1.4 55.36N–.04 157.89W–.08 35–1 8.1W,7.2L
GFZ VII 29 06 15 49.6 55.52N 158.07W 34 8.2W,7.2L
GFZ VII 29 06 15 49.1–.06 56N–1.0 158W–1.0 34 8.0,7.9
CATAC VII 29 06 15 50.1–.23 56N–4.0 158W–4.0 32 8.0,7.7
GCMT VII 29 06 16 20.2–.10 55.40N–.01 157.32W–.01 30–0 8.2W,7.7
NEIC VII 29 06 16 28.5 55.55N 157.44W 39 8.1,7.7
NEIC VII 29 06 16 46.9 55.43N 157.91W 36 8.2,7.7
ISC Event type ke.
IDC Error ellipse: s-maj=9.0km s-min=5.6km az=177.0.
BGR Event type ke.
NEIC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=4.1km az=98.2. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s230.00000°,δ20.00000°,λ76.00000°. NP2: ϕ_s65.00000°,δ71.00000°,λ95.00000°. Principal axes: T Plg64.0000°,Azm343.0000° ; N Plg5.0000°,Azm243.0000°; P Plg26.0000°,Azm151.0000° $M_0$7.10000×10^{20}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=2.5km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IPGP Moment Tensor Solution. NP1:ϕ_s234.00000°,δ17.00000°,λ83.00000°. NP2:ϕ_s61.00000° ,δ74.00000°,λ92.00000°.
AEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=125.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$-0.22 $M_{r\theta}$2.02 $M_{r\phi}$-0.34 $M_{\theta\phi}$1.06 NP1: ϕ_s61.96468°,δ80.80386°,λ91.32820°. NP2:ϕ_s233.70989°,δ9.29075°,λ81.85203°. Principal axes: T 2.4065,Plg54.1778°,Azm333.5694°; N -0.0034,Plg1.3111°,Azm241.7524° ; P -2.4031,Plg35.7906°,Azm150.8069° $M_0$2.40478×10^{21}
GFZ Error ellipse: s-maj=3.1km s-min=2.6km az=155.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
CATAC Error ellipse: s-maj=10.6km s-min=6.4km az=131.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=200s. Triangular moment-rate function. ID: C202107290615A. Moment Tensor Solution. s168,c428; s174,c776;Duration: 32s4 Moment tensor: Scale 10^{21}Nm; M_{rr}1.03±.00 $M_{\theta\theta}$-0.77±.00; $M_{\phi\phi}$-0.26±.00; $M_{r\theta}$2.39±.04; $M_{\theta\phi}$-0.48±.00; $M_{\phi r}$1.37±.03; Best double couple: NP1:ϕ_s238.00000°,δ10.00000°,λ88.00000°. NP2:ϕ_s60.00000°,δ80.00000°,λ90.00000°. Principal axes: T 2.9320,Plg55.0000°,Azm331.0000°; N 0.0300,Plg0.0000°,Azm240.0000° ; P -2.9610,Plg35.0000°,Azm150.0000° $M_0$2.94600×10^{21}
NEIC Event type se. Moment Tensor Solution.Duration: 64s3 Moment tensor: Scale 10^{21}Nm; M_{rr}1.24 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-0.41 $M_{r\theta}$1.19 $M_{\theta\phi}$-0.53 $M_{\phi r}$0.97 NP1:ϕ_s52.01000°,δ70.78000° ,λ87.56000°. NP2:ϕ_s239.39000°,δ19.37000°,λ96.97000°. Principal axes: T 1.9817,Plg64.0000°,Azm318.0000°; N -0.0494,Plg2.0000°,Azm53.0000° ; P -1.9323,Plg26.0000°,Azm144.0000° $M_0$1.96000×10^{21}
NEIC Event type se. Moment Tensor Solution.Duration: 60s6 Moment tensor: Scale 10^{21}Nm; M_{rr}1.13 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-0.34 $M_{r\theta}$1.67 $M_{\theta\phi}$-0.52 $M_{\phi r}$1.22 NP1:ϕ_s238.78000°,δ14.36000° ,λ94.53000°. NP2:ϕ_s54.11000°,δ75.68000°,λ88.84000°. Principal axes: T 2.3600,Plg59.0000°,Azm323.0000°; N 0.0006,Plg1.0000°,Azm54.0000° ; P -2.3607,Plg31.0000°,Azm145.0000° $M_0$2.36000×10^{21}
NEIC VII 29 07 20 03.1–1.6 55.0N–.10 158.1W–.10 35–2 3.6L,3.4L
AEIC VII 29 07 20 03.5–1.1 55.0N–.10 158.1W–.10 16–8 3.6L,3.4L ¶622450836
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 07 27 10.0–2.5 55.13N–.06 158.30W–.05 16–18 83 1-34
NEIC VII 29 07 27 10.2–1.6 55.06N–.04 158.28W–.06 21–4 3.2L,3.2L ¶620984063
AEIC VII 29 07 27 11.0–1.9 55.09N–.06 158.29W–.07 8–7 3.2L,3.2L
IDC VII 29 07 27 22.1–3.0 55.90N 157.49W 0 3.4L,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.0km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.1km az=153.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.1km s-min=28.4km az=132.0.
ISC VII 29 07 32 33.5–1.9 55.16N–.06 157.61W–.04 9–12 4.5b 183 1-85
IDC VII 29 07 32 32.6–.72 55.25N 157.93W 0 4.4b,4.4 ¶620984069
AEIC VII 29 07 32 33.8–2.7 54.95N–.05 157.39W–.09 12–2 4.4b,4.4
NEIC VII 29 07 32 36.0–1.8 55.11N–.04 157.75W–.05 22–5 4.7L,4.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 29 07 34 07.0–2.5 55.54N–.06 157.72W–.10 35–2 4.1L,3.9L
AEIC VII 29 07 33 58.3–14 55.42N–.07 156.4W–.10 20–8 4.1L,3.9L ¶622450838
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 07 47 23.6–1.1 57.23N–.02 156.74W–.04 14–8 3.0L,2.5L
AEIC VII 29 07 47 23.8–.90 57.22N–.03 156.72W–.07 12–1 3.0L,2.5L ¶622450851
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 07 50 00.6–1.1 55.42N–.06 157.49W–.04 33–4 4.7b 368 1-160
IDC VII 29 07 49 55.8–.67 55.46N 157.62W 0 4.4b,4.4 ¶620857946
AEIC VII 29 07 50 00.2–1.4 55.24N–.05 157.35W–.08 27–5 4.4b,4.4
GFZ VII 29 07 50 00.8–.27 56N–6.0 158W–3.0 10 4.9b,4.9
NEIC VII 29 07 50 00.8–1.3 55.34N–.03 157.45W–.09 37–8 4.8b,4.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 09 22 51.2–.72 55.13N–.07 157.01W–.04 24 3.9b 130 1-145
IDC VII 29 09 22 48.6–1.1 55.38N 157.48W 0 3.9L,3.8 ¶620984087
NEIC VII 29 09 22 49.6–1.7 55.10N–.04 156.95W–.02 13–6 3.7L,3.5L
AEIC VII 29 09 22 49.5–1.7 55.12N–.06 156.90W–.05 0–5 3.7L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 07 51 42.0–.60 55.22N–.08 157.65W–.06 35 4.1b 55 1-83
IDC VII 29 07 51 38.6–.97 55.30N 158.15W 0 4.2L,4.0b ¶620984070
AEIC VII 29 07 51 41.5–4.1 55.15N–.09 157.6W–.10 69–6 4.2L,4.0b
NEIC VII 29 07 51 42.2–1.3 55.31N–.07 157.7W–.10 56–10 4.4L,4.3b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 06 19 21.8–1.9 55.01N–.06 158.16W–.04 2–11 6.2b 60 1-87
NEIC VII 29 06 19 24.3–1.3 55.06N–.03 158.11W–.08 16–5 6.1b,6.0L ¶622450816
AEIC VII 29 06 19 28.0–2.8 55.10N–.04 158.24W–.08 18–4 6.1b,6.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 07 58 26.5–2.0 55.20N–.06 157.63W–.04 28–14 3.6b 116 1-74
IDC VII 29 07 58 23.0–1.1 55.20N 157.84W 0 3.6b,3.5 ¶620984072
NEIC VII 29 07 58 26.0–1.2 55.15N–.03 157.61W–.07 27–7 4.3b,4.1L
AEIC VII 29 07 58 26.3–1.3 55.09N–.06 157.57W–.08 26–6 4.3b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 08 13 56.7–1.2 55.18N–.04 158.58W–.01 26–11 3.6L,3.2L
AEIC VII 29 08 13 54.9–1.8 55.13N–.03 158.42W–.07 2–7 3.6L,3.2L ¶622450862
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 07 58 50.6–.49 55.33N–.07 157.81W–.05 32 4.0b 98 1-85
IDC VII 29 07 58 45.8–.76 55.22N 157.90W 0 4.0b,4.0 ¶620984075
NEIC VII 29 07 58 51.3–.93 55.30N–.08 157.84W–.07 36–10 4.2L,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 08 02 55.7–1.8 55.16N–.05 157.61W–.04 28–13 4.2b 219 1-85
IDC VII 29 08 02 52.5–.87 55.35N 157.84W 0 4.1b,4.1 ¶620984076
AEIC VII 29 08 02 55.4–1.4 55.06N–.06 157.45W–.08 23–6 4.1b,4.1
NEIC VII 29 08 02 55.6–1.2 55.14N–.04 157.60W–.06 29–8 4.2b,4.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC VII 29 10 01 39.8–1.7 55.02N–.07 157.5W–.10 30–15 3.5L,3.4L
AEIC VII 29 10 01 41.2–1.7 55.06N–.06 157.51W–.10 39–10 3.5L,3.4L **¶622450887**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 08 08 55.2–.70 55.33N–.06 157.02W–.04 20 3.5b 106 1-46
NEIC VII 29 08 08 55.2–1.2 55.31N–.05 157.02W–.08 19–7 4.1L,4.1L **¶620859555**
AEIC VII 29 08 08 57.4–1.1 55.34N–.05 157.05W–.08 26–7 4.1L,4.1L
IDC VII 29 08 08 57.3–4.6 55.17N 156.06W 0 3.4L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.7km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.1km az=141.0. hypocenter. manual.
IDC Error ellipse: s-maj=81.3km s-min=21.9km az=91.0.
ISC VII 29 08 09 42.5–1.6 55.22N–.05 157.18W–.03 10–9 4.5b 259 1-145
IDC VII 29 08 09 41.8–.69 55.37N 157.44W 0 4.1b,4.1 **¶620984079**
NEIC VII 29 08 09 42.5–1.3 55.20N–.05 157.17W–.07 9–1 4.8L,4.8b
AEIC VII 29 08 09 44.5–1.7 55.13N–.05 157.02W–.08 19–4 4.8L,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 09 28 22.4–.51 55.42N–.04 157.60W–.03 26–3 6.1s,4.9b 609 1-158
IDC VII 29 09 28 18.8–.45 55.46N 157.73W 0 4.7b,4.7 **¶620859558**
GFZ VII 29 09 28 21.5–.19 56N–4.0 158W–2.0 10 5.7,5.1b
BJI VII 29 09 28 22.0 55.50N 157.60W 44 5.1b,5.1b
NEIC VII 29 09 28 23.4–1.7 55.38N–.03 157.53W–.07 33–4 5.0L,4.9b
AEIC VII 29 09 28 23.4–2.2 55.28N–.04 157.44W–.08 26–3 5.0L,4.9b
MOS VII 29 09 28 23.2–.71 55.58N 157.79W 37 5.3b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=7.6km az=161.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.0km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.5km az=130.0. hypocenter. manual.
MOS Error ellipse: s-maj=14.3km s-min=6.4km az=102.8.
NEIC VII 29 08 12 27.3–1.2 55.70N–.05 157.09W–.08 8–6 3.1L,3.0L
AEIC VII 29 08 12 29.3–.82 55.65N–.04 157.14W–.06 6–4 3.1L,3.0L **¶622450855**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 08 12 58.2–1.4 55.23N–.05 157.59W–.10 35–2 3.5L,3.2L
AEIC VII 29 08 12 59.9–1.2 55.34N–.03 157.90W–.07 10–6 3.5L,3.2L **¶622450858**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 11 29 19.9–.74 55.33N–.06 157.50W–.03 10 3.5b 122 1-56
NEIC VII 29 11 29 20.0–1.8 55.34N–.04 157.52W–.06 10–2 4.0b,3.8L **¶620984101**
AEIC VII 29 11 29 21.7–1.6 55.30N–.05 157.45W–.06 14–3 4.0b,3.8L
IDC VII 29 11 29 23.1–3.5 55.56N 157.57W 28–23 3.7L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.9km az=159.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.7km s-min=17.2km az=154.0.
ISC VII 29 11 41 27.9–.81 55.11N–.07 157.21W–.04 24 3.9b 103 1-85
IDC VII 29 11 41 27.5–2.1 55.66N 158.12W 0 3.7b,3.7 **¶620984102**
NEIC VII 29 11 41 30.3–1.6 55.12N–.05 157.10W–.08 35–2 4.3b,3.7L
AEIC VII 29 11 41 31.3–1.7 55.14N–.06 157.22W–.09 27–6 4.3b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 10 07 50.8–.97 55.20N–.08 157.08W–.05 24 52 1-46
IDC VII 29 10 07 47.9–3.0 55.08N 157.31W 0 3.4b,3.3 **¶620984093**
AEIC VII 29 10 07 49.6–1.5 55.06N–.06 156.92W–.10 25–8 3.4b,3.3
NEIC VII 29 10 07 50.1–1.4 55.11N–.07 157.0W–.10 32–8 3.6L,3.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 11 47 55.1–.70 55.24N–.07 157.42W–.05 35 3.9b 104 1-83
IDC VII 29 11 47 53.5–3.4 55.19N 157.55W 24–21 3.8,3.7L **¶620984103**
AEIC VII 29 11 47 55.9–.96 55.23N–.06 157.45W–.09 26–6 3.8,3.7L
NEIC VII 29 11 47 55.8–1.3 55.23N–.07 157.48W–.09 40–11 4.2b,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 29 11 55 20.3–.89 55.20N–.02 157.31W–.06 25–12 3.2L,3.0L
AEIC VII 29 11 55 19.9–1.2 55.14N–.05 157.2W–.10 16–7 3.2L,3.0L **¶620984104**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 09 37 34.4–1.8 55.19N–.04 157.83W–.09 10–2 3.6L,3.5L
AEIC VII 29 09 37 34.9–.94 55.15N–.03 157.70W–.07 4–7 3.6L,3.5L **¶620984089**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 08 24 55.4–.75 55.31N–.04 157.42W–.10 35–2 3.5L,3.3L
AEIC VII 29 08 24 56.5–2.1 55.40N–.05 157.27W–.10 28–6 3.5L,3.3L **¶620859556**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 12 17 56.8–.64 55.14N–.06 157.52W–.04 10 3.8b 99 1-145
IDC VII 29 12 17 55.9–.85 55.41N 157.81W 0 3.6b,3.6 **¶620984105**
AEIC VII 29 12 17 57.2–1.3 55.07N–.06 157.57W–.03 1–5 3.6b,3.6
NEIC VII 29 12 17 59.3–.99 55.11N–.05 157.59W–.07 30–7 3.6L,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 10 17 28.1–1.7 55.11N–.06 158.47W–.04 16–12 3.2b 47 1-47
IDC VII 29 10 17 29.4–2.8 55.18N 157.95W 0 3.3,3.2b **¶620984094**
NEIC VII 29 10 17 29.5–1.2 55.03N–.07 158.50W–.09 35–8 3.2L,3.0L
AEIC VII 29 10 17 29.9–1.8 55.05N–.05 158.57W–.08 24–7 3.2L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 09 38 09.0–1.1 55.59N–.09 157.03W–.05 20 4.0b 52 1-63
IDC VII 29 09 37 59.8–3.0 55.05N 157.38W 0 4.1L,3.8 **¶622450884**
AEIC VII 29 09 38 11.3–2.5 55.71N–.06 156.92W–.07 20–7 4.1L,3.8
NEIC VII 29 09 38 11.2–1.5 55.59N–.07 157.08W–.06 32–8 3.6L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 12 28 23.8–.54 55.09N–.07 157.54W–.04 35 4.0b 112 1-145
IDC VII 29 12 28 19.9–.80 55.30N 157.82W 0 3.8b,3.8 **¶620984107**
NEIC VII 29 12 28 23.2–1.3 55.04N–.06 157.54W–.09 33–4 4.2b,3.8L
AEIC VII 29 12 28 24.3–1.2 55.08N–.06 157.59W–.09 36–6 4.2b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 09 43 17.8–.86 55.06N–.06 157.4W–.10 30–13 3.5L,3.2L
AEIC VII 29 09 43 18.5–.97 55.06N–.06 157.39W–.10 29–8 3.5L,3.2L **¶622450886**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 10 24 11.6–2.2 55.13N–.04 157.25W–.07 10–1 3.6L,3.3L
AEIC VII 29 10 24 12.1–2.6 55.14N–.05 157.23W–.08 6–7 3.6L,3.3L **¶622450892**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 12 42 42.7–.41 55.26N–.05 157.12W–.04 20–4 4.5b 277 1-160
IDC VII 29 12 42 39.5–.55 55.37N 157.42W 0 4.1b,4.1 **¶620878552**
GFZ VII 29 12 42 44.2–.37 55N–6.0 157W–4.0 28 5.6,4.9b
NEIC VII 29 12 42 44.6–1.6 55.30N–.05 157.14W–.08 35–5 4.6L,4.5b
AEIC VII 29 12 42 44.7–1.7 55.30N–.04 157.19W–.05 24–4 4.6L,4.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 13 48 10.3–1.1 55.15N–.07 157.09W–.04 24 3.5b 83 1-67
IDC VII 29 13 48 08.2–4.4 55.33N 157.41W 0 3.6b,3.4 **¶620984116**
AEIC VII 29 13 48 10.6–1.7 55.09N–.06 157.02W–.07 12–5 3.6b,3.4
NEIC VII 29 13 48 12.7–2.0 55.24N–.04 157.17W–.06 30–11 3.6L,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 10 33 21.6–1.4 57.18N–.04 156.68W–.04 2–11 3.2b 91 0-46
IDC VII 29 10 33 21.0–2.9 57.46N 156.93W 0 3.6L,3.3 **¶620984097**
NEIC VII 29 10 33 21.7–1.7 57.17N–.03 156.65W–.07 10–2 3.5L,3.3L
AEIC VII 29 10 33 21.7–1.6 57.19N–.03 156.68W–.08 10–7 3.5L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 09 53 42.2–.53 55.37N–.04 157.01W–.03 29–3 4.8b 333 1-160
IDC VII 29 09 53 37.9–.56 55.33N 157.30W 0 4.3b,4.3 **¶620859561**
GFZ VII 29 09 53 42.2–.19 55N–4.0 157W–3.0 22 5.6,4.8b
AEIC VII 29 09 53 42.5–2.4 55.26N–.06 156.91W–.09 41–5 5.6,4.8b
NEIC VII 29 09 53 42.3–2.2 55.23N–.04 156.90W–.06 33–4 4.9b,4.8L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 14 02 58.4–2.0 55.38N–.06 157.25W–.04 3–13 63 1-46
IDC VII 29 14 02 59.3–1.9 55.33N 157.30W 0 3.4L,3.4b **¶620984120**
NEIC VII 29 14 02 59.8–1.8 55.42N–.04 157.29W–.06 10–2 3.4L,3.2L
AEIC VII 29 14 03 00.8–1.6 55.39N–.04 157.26W–.08 8–6 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
IDC VII 29 14 08 09.3–1.6 55.11N 157.30W 0 3.5L,3.5b ¶626346625
IDC Error ellipse: s-maj=34.0km s-min=16.8km az=145.0.
NEIC VII 29 14 47 34.0–1.4 55.34N–.03 157.90W–.07 22–12 2.9L,2.6L
AEIC VII 29 14 47 35.3–1.1 55.37N–.02 158.00W–.08 10–6 2.9L,2.6L **¶622450929**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 08 38 51.9–1.4 55.47N–.02 157.4W–.10 33–14 3.6L,3.5L
AEIC VII 29 08 38 51.2–.98 55.41N–.05 157.34W–.10 18–7 3.6L,3.5L **¶622450871**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 11 04 59.1–.61 55.14N–.06 157.54W–.04 35 3.8b 127 1-145
IDC VII 29 11 04 54.8–.78 55.30N 157.91W 0 3.7L,3.7b **¶620984100**
NEIC VII 29 11 04 58.7–1.5 55.11N–.03 157.60W–.06 27–6 3.7L,3.6L
AEIC VII 29 11 04 59.1–1.4 55.07N–.06 157.52W–.09 25–6 3.7L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 14 48 17.0–1.8 55.2N–.10 157.38W–.07 28–12 3.0L,2.9L
AEIC VII 29 14 48 18.4–1.7 55.21N–.06 157.38W–.03 17–7 3.0L,2.9L **¶622450932**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 17 33 49.2–1.5 55.39N–.03 158.37W–.08 35–2 3.1L,2.8L
AEIC VII 29 17 33 49.8–1.4 55.41N–.03 158.38W–.08 25–7 3.1L,2.8L **¶622450960**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 11 08 48.1–.41 55.38N–.05 157.44W–.04 35 4.5b 239 1-145
IDC VII 29 11 08 47.0–2.9 55.51N 157.65W 24–19 4.3,4.2b **¶620878555**
NEIC VII 29 11 08 48.7–1.6 55.32N–.05 157.51W–.09 41–4 4.6b,4.4L
AEIC VII 29 11 08 48.1–2.2 55.26N–.05 157.40W–.09 25–3 4.6b,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 15 11 58.6–1.2 55.35N–.04 157.16W–.09 10–2 2.8L,2.6L
AEIC VII 29 15 12 00.7–1.8 55.36N–.06 157.1W–.10 17–7 2.8L,2.6L **¶622450938**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 21 07 09.9–.64 55.21N–.06 157.34W–.09 10–2 3.2L,3.1L
AEIC VII 29 21 07 10.9–1.2 55.17N–.07 157.2W–.10 10–7 3.2L,3.1L **¶620984139**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 15 19 15.8–1.2 55.16N–.06 157.17W–.06 32–12 2.8L,2.5L
AEIC VII 29 15 19 15.1–1.4 55.20N–.05 157.2W–.10 2–5 2.8L,2.5L **¶622450939**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 15 27 59.3–1.0 55.12N–.05 157.53W–.06 30–12 3.1L,2.7L
AEIC VII 29 15 27 59.8–1.7 55.12N–.05 157.43W–.10 21–8 3.1L,2.7L **¶622450941**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 08 40 15.4–1.6 55.18N–.05 157.28W–.03 16–10 4.5b 251 1-145
IDC VII 29 08 40 13.9–.74 55.34N 157.49W 0 4.2b,4.2 **¶620968023**
NEIC VII 29 08 40 14.8–1.5 55.15N–.05 157.27W–.07 13–4 4.6b,4.3L
AEIC VII 29 08 40 17.6–1.2 55.14N–.05 157.22W–.08 26–5 4.6b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 19 29 34.9–.63 55.24N–.04 157.04W–.06 20–2 3.7L,3.5L
AEIC VII 29 19 29 35.5–1.6 55.21N–.06 156.88W–.10 20–7 3.7L,3.5L **¶620984135**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 21 39 14.8–1.3 55.22N–.05 157.21W–.03 18–7 4.5b,4.2s 328 1-153
IDC VII 29 21 39 12.6–.59 55.28N 157.39W 0 4.3L,4.3b **¶620883006**
NEIC VII 29 21 39 14.5–1.6 55.18N–.04 157.18W–.06 18–4 4.6L,4.6b
AEIC VII 29 21 39 16.1–1.3 55.13N–.05 157.09W–.08 24–4 4.6L,4.6b

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 22 18 27.3–.53 55.24N–.04 157.23W–.03 16–2 5.0b,4.2s 700 1-160
BJI VII 29 22 18 23.0 55.30N 157.30W 10 5.1b,5.0b ¶620882997
IDC VII 29 22 18 25.4–.52 55.29N 157.51W 0 4.8b,4.8
AEIC VII 29 22 18 26.9–2.4 55.15N–.04 157.12W–.07 1–3 4.8b,4.8
NEIC VII 29 22 18 27.9 55.18N 157.24W 20 4.8b,4.8
NEIC VII 29 22 18 28.4–1.8 55.19N–.03 157.23W–.07 23–4 5.0L,4.9b
GFZ VII 29 22 18 36.0–.66 56N–5.0 157W–3.0 68–6 4.9b,4.9
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.05 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-0.21 $M_{r\theta}$1.32 $M_{\theta\phi}$0.34 $M_{\phi r}$0.56 NP1:ϕ_s248.78000°,δ87.10000°,λ-84.99000°. NP2:ϕ_s8.75000°,δ5.78000° ,λ-149.90000°. Principal axes: T 1.6457,Plg42.0000°,Azm334.0000°; N -0.3980,Plg5.0000° ,Azm69.0000°; P -1.2477,Plg48.0000°,Azm164.0000° $M_0$1.49000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC VII 29 08 54 47.2–.72 55.04N–.04 157.56W–.07 30–14 3.9L,3.8L
AEIC VII 29 08 54 48.4–.72 55.08N–.06 157.58W–.09 20–7 3.9L,3.8L ¶620984085
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 08 55 24.1–1.6 55.12N–.05 157.57W–.04 24–11 4.2b 167 1-145
IDC VII 29 08 55 21.2–.84 55.27N 157.87W 0 4.0b,4.0 ¶622450873
AEIC VII 29 08 55 24.5–1.1 55.04N–.02 157.51W–.06 24–6 4.0b,4.0
NEIC VII 29 08 55 24.6–.87 55.12N–.03 157.61W–.07 27–7 4.3b,4.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 29 08 56 45.2–1.6 55.25N–.04 157.06W–.08 29–6 3.6L,3.4L
AEIC VII 29 08 56 46.9–4.0 55.19N–.07 157.22W–.10 22–8 3.6L,3.4L ¶622450875
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 08 57 47.7–1.2 55.1N–.10 157.49W–.07 35 3.6b 61 1-67
AEIC VII 29 08 57 44.1–3.2 54.96N–.09 157.0W–.10 12–8 3.6b ¶620984086
IDC VII 29 08 57 47.9–1.6 55.84N 158.34W 0 3.7b,3.6
NEIC VII 29 08 57 49.5–1.1 55.15N–.07 157.6W–.10 35–2 3.7L,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 30 00 21 33.8–.98 55.22N–.03 157.67W–.07 26–11 2.7L,2.7L
AEIC VII 30 00 21 34.0–.47 55.19N–.05 157.6W–.10 30–8 2.7L,2.7L ¶622450996
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 16 59 53.3–1.6 55.39N–.06 157.54W–.04 28–11 3.8b 124 1-74
IDC VII 29 16 59 54.6–1.5 56.20N 158.22W 0 3.7b,3.5 ¶620984128
NEIC VII 29 16 59 54.8–1.8 55.35N–.05 157.52W–.08 35–2 3.6L,3.2L
AEIC VII 29 16 59 55.1–2.0 55.35N–.04 157.64W–.08 12–6 3.6L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 07 49 12.9–1.4 55.45N–.05 157.26W–.03 25–9 4.5b,3.4s 278 1-145
IDC VII 30 07 49 09.4–.57 55.54N 157.52W 0 4.2b,4.2 ¶620883722
NEIC VII 30 07 49 12.9–1.4 55.41N–.03 157.26W–.04 23–5 4.5b,4.3L
AEIC VII 30 07 49 13.4–1.4 55.34N–.04 157.16W–.05 27–5 4.5b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 05 40 53.7–2.0 55.17N–.05 157.08W–.04 16–12 4.2b 204 1-145
IDC VII 30 05 40 51.9–.68 55.38N 157.33W 0 3.9b,3.9 ¶620968033
NEIC VII 30 05 40 54.2 55.10N 157.13W 20 3.9b,3.9
NEIC VII 30 05 40 54.4–1.3 55.14N–.05 157.14W–.05 20–4 4.3b,4.1L
AEIC VII 30 05 40 55.6–1.8 55.08N–.05 157.09W–.08 35–5 4.3b,4.1L
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.68 $M_{\theta\theta}$0.18 $M_{\phi\phi}$0.50 $M_{r\theta}$0.42 $M_{\theta\phi}$0.23 $M_{\phi r}$0.82 NP1:ϕ_s27.42000°,δ17.55000°,λ-89.71000°. NP2:ϕ_s207.12000°,δ72.45000° ,λ-90.09000°. Principal axes: T 1.1032,Plg27.0000°,Azm297.0000°; N 0.0578,Plg0.0000° ,Azm207.0000°; P -1.1610,Plg63.0000°,Azm117.0000° $M_0$1.13000×10^{15}
AEIC Event type se. hypocenter. manual.
ISC VII 29 23 38 13.9–3.0 55.21N–.06 157.14W–.04 13–18 4.4b,3.6s 242 1-145
IDC VII 29 23 38 12.8–.75 55.37N 157.40W 0 4.1b,4.1 ¶620883696
AEIC VII 29 23 38 15.3–1.4 55.14N–.04 157.08W–.06 16–4 4.1b,4.1
NEIC VII 29 23 38 16.1–1.5 55.18N–.05 157.20W–.09 31–5 4.5b,4.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 07 57 39.4–1.9 55.21N–.06 157.11W–.04 30–16 3.4b 107 1-46
IDC VII 30 07 57 32.2–2.6 55.41N 158.14W 0 3.8L,3.6 ¶620986049
NEIC VII 30 07 57 37.4–1.4 55.19N–.03 157.09W–.06 20–12 3.8L,3.5L
AEIC VII 30 07 57 38.5–1.4 55.12N–.07 157.03W–.03 32–8 3.8L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 13 28 16.6–1.6 55.29N–.05 157.41W–.04 23–11 4.2b,3.5s 183 1-145
IDC VII 30 13 28 14.3–.73 55.53N 157.65W 0 4.0b,4.0 ¶620913668
NEIC VII 30 13 28 17.6–1.1 55.28N–.03 157.43W–.05 28–5 4.3b,4.1L
AEIC VII 30 13 28 18.1–1.1 55.24N–.05 157.35W–.09 27–5 4.3b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 09 58 04.2–1.4 55.19N–.04 157.61W–.03 16–8 4.3b 259 1-145
IDC VII 30 09 58 02.6–.60 55.33N 157.84W 0 4.2b,4.1 ¶620912098
NEIC VII 30 09 58 03.7–1.2 55.08N–.04 157.55W–.06 19–4 4.4b,4.2L
AEIC VII 30 09 58 06.9–2.1 55.14N–.06 157.55W–.08 47–6 4.4b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 14 58 19.8–1.4 55.32N–.05 157.15W–.03 23–10 4.2b,3.2s 203 1-145
IDC VII 30 14 58 17.4–.73 55.52N 157.48W 0 4.0b,4.0 ¶620913672
NEIC VII 30 14 58 21.4–1.3 55.29N–.05 157.13W–.08 35–2 4.3b,4.1L
AEIC VII 30 14 58 21.6–1.4 55.29N–.05 157.12W–.05 20–4 4.3b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 19 15 33.4–.72 55.14N–.04 157.06W–.03 10 3.7b 166 1-83
NEIC VII 30 19 15 33.9–1.6 55.11N–.03 157.06W–.06 10–2 3.9L,3.6L ¶620968039
AEIC VII 30 19 15 34.6–1.6 55.09N–.05 156.98W–.08 2–5 3.9L,3.6L
IDC VII 30 19 15 34.6–1.3 55.22N 157.54W 0 3.6L,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.4km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.3km az=148.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.9km s-min=13.7km az=150.0.
ISC VII 30 03 52 14.2–.24 55.35N–.03 157.12W–.02 27–1 5.5b,5.2s 1584 1-164
IDC VII 30 03 52 10.4–.40 55.44N 157.18W 0 5.2b,5.1 ¶620883706
PTWC VII 30 03 52 11 55.30N 156.90W 10 5.4,5.1
MOS VII 30 03 52 12.8–.75 55.53N 157.29W 21 5.8b,5.0s
BJI VII 30 03 52 12.2 55.60N 157.10W 30 5.7s,5.6b
NEIC VII 30 03 52 12.5 55.35N 157.01W 13 5.7s,5.6b
NEIC VII 30 03 52 13.6 55.35N 156.98W 21 5.7s,5.6b
NEIC VII 30 03 52 13.5 55.38N 156.99W 20 5.7s,5.6b
GFZ VII 30 03 52 13.4–.13 56N–3.0 157W–2.0 10 5.9b,5.5b
BGR VII 30 03 52 13.7 55.24N 157.97W 33 5.5b,4.9s
NEIC VII 30 03 52 13.8–1.7 55.37N–.04 157.02W–.03 21–1 5.6b,5.5L
GFZ VII 30 03 52 14.7 55.50N 157.21W 21 5.4W,5.5L
IPGP VII 30 03 52 15.0 55.35N 156.98W 25 5.5W,5.5L
AEIC VII 30 03 52 15.5–2.7 55.33N–.05 156.96W–.08 43–4 5.5W,5.5L
GCMT VII 30 03 52 17.2–.10 55.25N–.01 156.79W–.01 34–0 5.5W,5.5L
NEIC VII 30 03 52 21.4 55.38N 156.99W 20 5.5,5.5L
ISC Event type ke.
IDC Error ellipse: s-maj=11.1km s-min=7.0km az=171.0.
MOS Error ellipse: s-maj=10.4km s-min=4.5km az=101.5.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.5km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.29 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.25 $M_{r\theta}$1.05 $M_{\theta\phi}$-0.06 $M_{\phi r}$0.46 NP1:ϕ_s64.52000°,δ84.72000°,λ95.81000°. NP2:ϕ_s196.66000°,δ7.85000° ,λ2.41000°. Principal axes: T 1.2593,Plg50.0000°,Azm341.0000°; N -0.1651,Plg6.0000° ,Azm244.0000°; P -1.0942,Plg39.0000°,Azm149.0000° $M_0$1.19000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$0.36 $M_{r\theta}$1.13 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.39 NP1:ϕ_s73.06000°,δ65.10000°,λ81.75000°. NP2:ϕ_s272.07000°,δ26.15000° ,λ107.19000°. Principal axes: T 1.6856,Plg69.0000°,Azm327.0000°; N 0.3859,Plg7.0000° ,Azm77.0000°; P -2.0715,Plg20.0000°,Azm169.0000° $M_0$1.91000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.92 $M_{\phi\phi}$-0.06 $M_{r\theta}$1.06 $M_{\theta\phi}$-0.37 $M_{\phi r}$0.17 NP1: ϕ_s77.98214°,δ68.31363°,λ96.43726°. NP2:ϕ_s241.00326°,δ22.57736°,λ74.25537°. Principal axes: T 1.4521,Plg66.0937°,Azm359.2637°; N 0.0535,Plg5.9799°,Azm255.5947° ; P -1.5056,Plg23.0554°,Azm163.0395° $M_0$1.47955×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s234.00000°,δ25.00000°,λ83.00000°. NP2:ϕ_s61.00000° ,δ66.00000°,λ93.00000°.
AEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.4km az=167.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107300352A. Moment Tensor Solution. s120,c219; s139,c261;Duration: 1$\pm$3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.26$\pm$.03 $M_{\theta\theta}$-1.21$\pm$.02; $M_{\phi\phi}$-0.05$\pm$.02; $M_{r\theta}$1.42$\pm$.04; $M_{\theta\phi}$-0.70$\pm$.02; $M_{\phi r}$0.47$\pm$.03; Best double couple: NP1: ϕ_s237.00000°,δ22.00000°,λ78.00000°. NP2:ϕ_s70.00000°,δ69.00000°,λ95.00000°. Principal axes: T 1.9180,Plg66.0000°,Azm349.0000°; N 0.2580,Plg5.0000°,Azm249.0000° ; P -2.1820,Plg23.0000°,Azm157.0000° $M_0$2.05000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2$\pm$8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$0.09 $M_{r\theta}$1.84 $M_{\theta\phi}$-0.52 $M_{\phi r}$0.60 NP1:ϕ_s229.50000°,δ12.26000° ,λ67.83000°. NP2:ϕ_s72.13000°,δ78.66000°,λ94.69000°. Principal axes: T 1.9480,Plg56.0000°,Azm348.0000°; N 0.3213,Plg5.0000°,Azm251.0000° ; P -2.2693,Plg33.0000°,Azm158.0000° $M_0$2.13000×10^{17}
ISC VII 31 03 25 21.0–.51 55.40N–.06 157.36W–.04 35 3.9b 162 1-145
IDC VII 31 03 25 17.4–.78 55.68N 157.71W 0 4.0L,3.8b ¶620968064
AEIC VII 31 03 25 20.8–2.0 55.25N–.05 157.28W–.05 24–5 4.0L,3.8b
NEIC VII 31 03 25 21.3–1.8 55.32N–.04 157.36W–.05 35–2 4.3L,4.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 31 15 28 23.8–.56 55.10N–.06 157.08W–.04 24 3.9b 155 1-145
IDC VII 31 15 28 21.4–1.1 55.30N 157.51W 0 3.7b,3.7 ¶620968052
NEIC VII 31 15 28 25.2–1.2 55.13N–.06 157.14W–.08 35–6 4.2b,4.1L
AEIC VII 31 15 28 25.8–1.4 55.15N–.06 157.16W–.08 24–3 4.2b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 31 04 47 38.9–1.3 55.53N–.05 157.66W–.04 19–4 4.0b,3.1s 170 1-145
IDC VII 31 04 47 35.8–.81 55.61N 158.12W 0 4.1L,3.8b ¶620968063
NEIC VII 31 04 47 41.9–2.1 55.52N–.04 157.73W–.08 35–2 3.9L,3.7L
AEIC VII 31 04 47 41.4–2.3 55.49N–.04 157.67W–.03 16–4 3.9L,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 31 05 02 42.7–1.0 55.32N–.07 157.40W–.05 35 86 1-46
IDC VII 31 05 02 38.4–2.7 55.43N 157.62W 0 3.4L,3.2b ¶620986108
NEIC VII 31 05 02 41.2–1.1 55.22N–.04 157.37W–.09 35–2 3.5L,3.2L
AEIC VII 31 05 02 42.1–1.4 55.27N–.06 157.4W–.10 41–10 3.5L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 31 18 04 15.7–.50 56.10N–.05 156.34W–.03 41–4 4.5b,3.3s 525 1-146
IDC VII 31 18 04 11.1–.58 56.26N 156.70W 0 4.4b,4.4 ¶622451117
NEIC VII 31 18 04 15.8–1.9 56.06N–.06 156.30W–.07 41–5 4.5b,4.3L
NEIC VII 31 18 04 16.3 56.08N 156.32W 50 4.5b,4.3L
GFZ VII 31 18 04 17.1–.21 56N–5.0 157W–3.0 38 5.2,4.7b
AEIC VII 31 18 04 17.1–2.2 56.08N–.05 156.33W–.07 39–5 5.2,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.54 $M_{\theta\theta}$1.26 $M_{\phi\phi}$-0.72 $M_{r\theta}$2.20 $M_{\theta\phi}$1.02 $M_{\phi r}$2.88 NP1:ϕ_s215.91000°,δ84.49000°,λ-108.62000°. NP2:ϕ_s110.01000°,δ19.39000° ,λ-16.80000°. Principal axes: T 4.1340,Plg37.0000°,Azm322.0000°; N -0.4633,Plg19.0000° ,Azm218.0000°; P -3.6707,Plg47.0000°,Azm106.0000° $M_0$3.92000×10^{15}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
AEIC Event type se. hypocenter. manual.
NEIC VII 31 15 40 23.8–.35 55.05N–.08 157.49W–.08 29–13 4.2L,3.7L
AEIC VII 31 15 40 25.1–.39 55.07N–.07 157.5W–.10 26–8 4.2L,3.7L ¶620925357
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 31 12 58 17.4–1.1 55.09N–.06 157.6W–.10 26–11 3.2b,3.1L
AEIC VII 31 12 58 18.7–1.3 55.08N–.06 157.5W–.10 41–9 3.2b,3.1L ¶622451109
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 01 09 50 29.6–1.2 55.07N–.04 158.49W–.04 17–8 3.8b 202 1-83
IDC VIII 01 09 50 30.8–3.4 55.22N 158.33W 16–19 3.9L,3.7 ¶620986197
NEIC VIII 01 09 50 30.1–1.4 55.05N–.05 158.53W–.07 17–7 4.0b,3.8L
AEIC VIII 01 09 50 30.3–1.6 54.99N–.05 158.47W–.05 12–6 4.0b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 05 32 12.6–.56 55.15N–.04 158.76W–.03 31–4 4.7b,3.7s 488 1-153
IDC VII 30 05 32 08.2–.52 55.26N 158.96W 0 4.5b,4.5 ¶622451026
AEIC VII 30 05 32 12.8–1.7 55.02N–.05 158.64W–.06 17–4 4.5b,4.5
NEIC VII 30 05 32 12.7 55.10N 158.75W 30 4.5b,4.5
NEIC VII 30 05 32 13.4–2.0 55.09N–.04 158.77W–.05 33–5 4.7b,4.6L

GFZ VII 30 05 32 14.1–.36 55N–5.0 159W–3.0 29–2 5.0,4.8b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.32 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$-0.57 $M_{r\theta}$2.44 $M_{\theta\phi}$-0.60 $M_{\phi r}$1.67 NP1:ϕ_s55.09000°,δ78.20000°,λ92.13000°. NP2:ϕ_s224.76000°,δ11.99000° ,λ79.89000°. Principal axes: T 3.2565,Plg57.0000°,Azm328.0000°; N -0.0655,Plg2.0000° ,Azm235.0000°; P -3.1910,Plg33.0000°,Azm143.0000° $M_0$3.22000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 01 15 27 40.5–.57 55.38N–.04 158.55W–.03 29–3 4.6b,3.8s 354 1-153
IDC VIII 01 15 27 36.2–.55 55.53N 158.73W 0 4.4L,4.4b **¶620925706**
GFZ VIII 01 15 27 38.5–.32 56N–6.0 159W–4.0 10 4.8,4.7b
NEIC VIII 01 15 27 38.4–2.6 55.30N–.03 158.48W–.07 10–1 4.6L,4.6b
AEIC VIII 01 15 27 40.3–3.2 55.33N–.03 158.47W–.06 3–3 4.6L,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 01 20 01 11.1–1.2 55.14N–.06 157.04W–.05 10 81 1-11
NEIC VIII 01 20 01 14.6–1.6 55.11N–.02 157.16W–.05 23–12 3.6L,3.5L **¶622451155**
AEIC VIII 01 20 01 15.0–1.4 55.12N–.06 157.06W–.09 20–7 3.6L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 03 23 31 06.9–.77 55.36N–.06 157.07W–.04 10 3.9b 143 1-83
NEIC VIII 03 23 31 04.0–1.9 55.19N–.05 157.03W–.09 10–2 3.9L,3.6L **¶620995919**
AEIC VIII 03 23 31 05.8–2.3 55.12N–.06 156.9W–.10 19–7 3.9L,3.6L
IDC VIII 03 23 31 08.7–2.9 55.65N 157.22W 0 3.7b,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.8km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.1km az=132.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.7km s-min=16.6km az=155.0.
ISC VIII 02 22 36 06.9–1.6 55.30N–.07 157.16W–.04 29–11 4.2b 190 1-148
IDC VIII 02 22 36 02.9–.91 55.38N 157.56W 0 4.1L,3.9b **¶620993270**
NEIC VIII 02 22 36 04.9–1.5 55.17N–.03 157.13W–.05 17–3 4.4b,4.0L
AEIC VIII 02 22 36 06.8–1.5 55.16N–.05 157.05W–.09 19–4 4.4b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 04 14 47 01.6–.75 55.17N–.06 157.35W–.10 35–2 3.5L,3.3L
AEIC VIII 04 14 47 01.5–1.4 55.14N–.06 157.29W–.07 23–8 3.5L,3.3L **¶622451245**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 04 03 17 57.0–1.4 55.36N–.05 157.73W–.04 15–8 3.9b 151 1-145
NEIC VIII 04 03 17 56.4–1.0 55.32N–.03 157.75W–.07 10–2 4.2b,3.7L **¶620997279**
IDC VIII 04 03 17 56.0–.80 55.70N 157.98W 0 3.7b,3.7
AEIC VIII 04 03 17 59.3–.91 55.29N–.05 157.69W–.09 26–8 3.7b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 05 01 45 54.0–1.2 57.15N–.04 156.55W–.03 12–9 3.3b 95 0-33
IDC VIII 05 01 45 51.5–2.5 56.79N 156.41W 0 3.6L,3.4 **¶620998778**
NEIC VIII 05 01 45 54.4–1.1 57.17N–.03 156.57W–.04 10–1 3.5L,3.3L
AEIC VIII 05 01 45 54.7–1.2 57.19N–.02 156.57W–.04 5–6 3.5L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 05 07 15 30.6–2.1 55.06N–.06 157.61W–.04 19–8 3.8b,2.9s 126 1-145
IDC VIII 05 07 15 28.1–1.5 55.11N 157.95W 0 3.5,3.4L **¶620998789**
AEIC VIII 05 07 15 31.5–1.4 54.98N–.05 157.52W–.08 25–7 3.5,3.4L
NEIC VIII 05 07 15 32.2–1.0 55.03N–.06 157.63W–.09 40–16 3.8b,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 05 18 00 16.8–.85 55.16N–.05 157.14W–.03 22–7 4.5b,3.6s 332 1-159
IDC VIII 05 18 00 13.7–.60 55.15N 157.28W 0 4.2L,4.1b **¶620970691**
NEIC VIII 05 18 00 15.7–1.9 55.13N–.04 157.13W–.07 16–4 4.6L,4.6b
AEIC VIII 05 18 00 17.0–1.9 55.09N–.05 157.03W–.06 22–4 4.6L,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 06 07 53 03.1–1.1 55.28N–.04 157.6W–.10 35–2 3.3L,3.0L
AEIC VIII 06 07 53 03.4–1.1 55.28N–.05 157.5W–.10 42–10 3.3L,3.0L **¶622451306**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 12 09 54 34.2–1.7 55.24N–.05 157.34W–.03 20–7 4.5b,3.6s 233 1-145
IDC VIII 12 09 54 32.4–.70 55.50N 157.59W 0 4.2b,4.2 **¶620983524**
NEIC VIII 12 09 54 34.9–1.1 55.24N–.05 157.34W–.04 25–5 4.6b,4.3L
AEIC VIII 12 09 54 36.3–1.1 55.24N–.05 157.33W–.05 38–6 4.6b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 10 13 52 23.9–1.4 56.24N–.04 159.17W–.04 10–1 3.5L,3.3L
AEIC VIII 10 13 52 24.1–3.3 56.25N–.04 159.17W–.04 0–6 3.5L,3.3L **¶622451387**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 10 19 24 48.3–1.3 55.40N–.05 157.48W–.08 35–2 3.5L,3.2L
AEIC VIII 10 19 24 47.8–1.2 55.37N–.05 157.43W–.07 18–8 3.5L,3.2L **¶622451390**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 09 13 02 14.1–1.6 55.16N–.05 157.38W–.03 13–9 4.2s,3.9b 157 1-85
IDC VIII 09 13 02 12.9–1.0 55.36N 158.30W 0 4.2s,3.7b **¶621007262**
NEIC VIII 09 13 02 16.7–.87 55.18N–.02 157.57W–.08 10–2 4.1b,3.7L
AEIC VIII 09 13 02 18.7–1.5 55.14N–.05 157.5W–.10 21–8 4.1b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 12 22 00 51.3–1.8 55.12N–.07 157.16W–.06 25–13 3.6L,3.3L
AEIC VIII 12 22 00 51.9–1.6 55.10N–.05 157.09W–.08 43–10 3.6L,3.3L **¶622451438**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 14 14 55 00.2–.86 55.05N–.06 157.51W–.04 10 3.9b 83 1-83
IDC VIII 14 14 55 01.5–2.3 55.40N 158.06W 0 3.6b,3.5 **¶621013515**
NEIC VIII 14 14 55 01.0–1.3 55.03N–.07 157.57W–.07 10–2 3.4L,3.3L
AEIC VIII 14 14 55 02.8–1.5 55.01N–.07 157.53W–.08 14–7 3.4L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 14 12 34 51.6–.84 55.15N–.05 157.56W–.08 5–9 3.5L,3.3L
AEIC VIII 14 12 34 55.2–.74 55.13N–.05 157.54W–.06 42–10 3.5L,3.3L **¶622451483**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 13 17 28 41.4–1.7 55.16N–.06 157.59W–.04 23–13 3.6b 184 1-145
IDC VIII 13 17 28 38.3–1.1 55.26N 157.93W 0 3.7L,3.7b **¶621012188**
NEIC VIII 13 17 28 42.4–1.2 55.17N–.03 157.59W–.04 25–11 3.7L,3.4L
AEIC VIII 13 17 28 43.0–1.2 55.10N–.06 157.53W–.06 24–8 3.7L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 14 11 57 43.7–.22 55.19N–.02 157.70W–.02 21–2 7.3s,6.3b 2839 1-164
BJI VIII 14 11 57 39.0 55.30N 157.75W 10 7.4s,7.4 **¶620986702**
IDC VIII 14 11 57 40.8–.34 55.36N 157.83W 0 7.1s,5.8b
MOS VIII 14 11 57 41.4–.92 55.30N 157.78W 17 7.2s,6.5b
PTWC VIII 14 11 57 41 55.10N 157.50W 10 6.7,6.5b
ISC-P VIII 14 11 57 43 55.18N 157.64W 45–0 7.2,6.5b
GFZ VIII 14 11 57 43.2 55.29N 157.79W 27 6.8W,6.5b
GFZ VIII 14 11 57 43.8–.10 55N–2.0 158W–2.0 10 7.1b,7.1
NEIC VIII 14 11 57 43.4–1.1 55.18N–.05 157.64W–.07 21–2 7.3,6.9
NEIC VIII 14 11 57 43.4 55.18N 157.64W 21 7.3,6.9
IPGP VIII 14 11 57 44.0 55.08N 157.54W 27 6.9W,6.9
AEIC VIII 14 11 57 44.3–1.8 55.10N–.04 157.54W–.07 30–1 6.9W,6.9
NEIC VIII 14 11 57 44.3 55.27N 157.67W 22 6.9W,6.9
NEIC VIII 14 11 57 45 55.24N 157.70W 28 6.9W,6.9
BGR VIII 14 11 57 50.8 55.86N 157.94W 33 7.3s,6.0b
GCMT VIII 14 11 57 50.1–.10 55.17N 157.45W 25 7.0W,6.0b
NEIC VIII 14 11 58 01.3 55.17N 157.67W 24 6.9,6.0b
NEIC VIII 14 11 58 03.4 55.51N 157.52W 26 6.8,6.0b
ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=7.7km az=163.0.
MOS Error ellipse: s-maj=6.9km s-min=3.8km az=94.1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s244.00000°,δ21.00000°,λ117.00000°. NP2: ϕ_s35.00000°,δ71.00000°,λ80.00000°. Principal axes: T Plg63.0000°,Azm290.0000° ; N Plg9.0000°,Azm39.0000°; P Plg25.0000°,Azm133.0000° $M_0$6.90000×10^{19}
ISC-P Moment Tensor Solution. s56 Moment tensor: Scale 10^{19}Nm; M_{rr}0.35±.10 $M_{\theta\theta}$0.43±.17; $M_{\phi\phi}$-0.20±.14; $M_{r\theta}$0.52±.16; $M_{\theta\phi}$0.23±.17; $M_{\phi r}$-0.09±.12; NP1:ϕ_s52.60000°,δ82.50000° ,λ120.90000°. NP2:ϕ_s154.90000°,δ31.70000°,λ14.40000°. $M_0$7.33000×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.32 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$-0.35 $M_{r\theta}$1.05 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.57 NP1: ϕ_s61.61803°,δ66.61880°,λ89.66974°. NP2:ϕ_s242.45019°,δ23.38340°,λ90.76382°. Principal axes: T 1.7967,Plg68.3795°,Azm330.9842°; N -0.1014,Plg0.3031°,Azm61.7491° ; P -1.6953,Plg21.6181°,Azm151.8692° $M_0$1.74820×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.6km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.29 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$-0.33 $M_{r\theta}$1.79 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.96 NP1:ϕ_s62.01000°,δ74.41000°,λ89.36000°. NP2:ϕ_s244.39000°,δ15.60000° ,λ92.29000°. Principal axes: T 2.4394,Plg61.0000°,Azm331.0000°; N -0.1243,Plg1.0000° ,Azm62.0000°; P -2.3151,Plg29.0000°,Azm153.0000° $M_0$2.38000×10^{19}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s225.00000°,δ15.00000°,λ74.00000°. NP2:ϕ_s62.00000° ,δ76.00000°,λ94.00000°.
AEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=130.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108141157A. Moment Tensor Solution. s171,c467; s154,c702;Duration: 6s8 Moment tensor: Scale 10^{19}Nm; M_{rr}1.39±.01 $M_{\theta\theta}$-1.13±.01; $M_{\phi\phi}$-0.26±.01; $M_{r\theta}$3.27±.02; $M_{\theta\phi}$-0.71±.01; $M_{\phi r}$1.69±.02; Best double couple: NP1:ϕ_s238.00000°,δ11.00000°,λ86.00000°. NP2:ϕ_s63.00000°,δ79.00000°,λ91.00000°. Principal axes: T 3.8910,Plg56.0000°,Azm334.0000°; N 0.1350,Plg1.0000°,Azm242.0000° ; P -4.0280,Plg34.0000°,Azm152.0000° $M_0$3.96000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 15s6 Moment tensor: Scale 10^{19}Nm; M_{rr}1.37 $M_{\theta\theta}$-1.09 $M_{\phi\phi}$-0.28 $M_{r\theta}$2.49 $M_{\theta\phi}$-0.54 $M_{\phi r}$1.39 NP1:ϕ_s245.62000°,δ12.81000° ,λ94.42000°. NP2:ϕ_s61.09000°,δ77.23000°,λ89.00000°. Principal axes: T 3.1733,Plg58.0000°,Azm330.0000°; N -0.0176,Plg1.0000°,Azm61.0000° ; P -3.1556,Plg32.0000°,Azm152.0000° $M_0$3.16000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 13s5 Moment tensor: Scale 10^{19}Nm; M_{rr}1.42 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.56 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.02 NP1:ϕ_s41.96000°,δ65.05000° ,λ74.98000°. NP2:ϕ_s254.41000°,δ28.87000°,λ119.11000°. Principal axes: T 1.9025,Plg67.0000°,Azm285.0000°; N -0.1987,Plg14.0000°,Azm48.0000° ; P -1.7039,Plg19.0000°,Azm143.0000° $M_0$1.80000×10^{19}
NEIC VIII 14 12 04 29.9–.81 55.08N–.02 157.44W–.09 21–12 3.6L,3.6L
AEIC VIII 14 12 04 30.1–1.6 55.04N–.08 157.3W–.20 19–9 3.6L,3.6L **¶622451480**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 16 16 24 03.6–1.2 55.28N–.04 157.54W–.03 28–8 4.4b,3.7s 203 1-95
IDC VIII 16 16 24 00.0–.78 55.39N 157.77W 0 4.1b,4.1 **¶620989844**
NEIC VIII 16 16 24 03.6–1.4 55.26N–.05 157.45W–.05 28–1 4.5b,4.4L
NEIC VIII 16 16 24 03.1 55.24N 157.40W 26 4.5b,4.4L
AEIC VIII 16 16 24 04.9–1.3 55.28N–.04 157.43W–.06 33–5 4.5b,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.96 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$0.22 $M_{r\theta}$2.67 $M_{\theta\phi}$-0.52 $M_{\phi r}$2.48 NP1:ϕ_s279.38000°,δ12.37000°,λ140.69000°. NP2:ϕ_s48.03000°,δ82.20000° ,λ80.37000°. Principal axes: T 3.7788,Plg52.0000°,Azm307.0000°; N 0.1165,Plg10.0000° ,Azm49.0000°; P -3.8953,Plg36.0000°,Azm146.0000° $M_0$3.84000×10^{15}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
ISC VIII 14 12 14 53.3–.81 55.19N–.06 157.52W–.05 38–2 4.0b 93 1-83
IDC VIII 14 12 14 49.1–1.2 55.34N 157.83W 0 3.9b,3.9 **¶621013488**
AEIC VIII 14 12 14 51.6–1.2 55.15N–.05 157.44W–.09 6–5 3.9b,3.9
NEIC VIII 14 12 14 52.8–.92 55.16N–.06 157.50W–.09 40–10 3.7L,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 13 06 37.3–1.9 55.05N–.06 157.63W–.04 8–11 4.0b 144 1-85
IDC VIII 14 13 06 36.8–.82 55.19N 157.86W 0 4.0b,4.0 **¶622451487**
AEIC VIII 14 13 06 38.8–1.6 54.96N–.06 157.55W–.10 15–6 4.0b,4.0
NEIC VIII 14 13 06 40.1–2.3 55.09N–.05 157.85W–.05 20–8 4.2L,4.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 18 44 39.0–1.5 55.32N–.06 157.55W–.03 29–10 4.4b 226 1-85
IDC VIII 14 18 44 35.3–.72 55.34N 157.76W 0 4.2b,4.2 **¶621013541**
NEIC VIII 14 18 44 39.0–1.1 55.22N–.05 157.50W–.09 32–4 4.6b,4.2L
AEIC VIII 14 18 44 39.9–1.0 55.20N–.04 157.49W–.08 35–5 4.6b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 19 02 22 28.0–1.1 56.64N–.03 157.22W–.03 12–7 4.2b,3.4s 220 1-152
IDC VIII 19 02 22 26.9–.74 56.87N 157.42W 0 4.0L,4.0b **¶621039147**
NEIC VIII 19 02 22 28.1–1.2 56.63N–.02 157.24W–.05 10–1 4.3b,4.2L
AEIC VIII 19 02 22 28.5–1.2 56.64N–.03 157.24W–.05 11–3 4.3b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 17 19 30 38.4–.77 56.55N–.04 155.58W–.03 68–8 3.9b 236 1-83
NEIC VIII 17 19 30 37.9–1.0 56.52N–.04 155.58W–.05 80–9 3.5L,3.3L **¶621030293**
IDC VIII 17 19 30 38.9–3.2 56.91N 155.79W 52–27 3.8,3.7L

AEIC VIII 17 19 30 39.5–1.2 56.55N–.04 155.60W–.07 67–7 3.8,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 21 03 53 55.9–1.9 55.15N–.06 157.26W–.04 4–13 3.9b,3.3s 88 1-67
IDC VIII 21 03 53 55.6–1.5 55.19N 157.44W 0 3.7b,3.6 **¶621042967**
NEIC VIII 21 03 53 56.1–1.2 55.13N–.03 157.24W–.05 10–1 3.9L,3.7L
AEIC VIII 21 03 53 57.6–1.0 55.14N–.05 157.17W–.06 7–5 3.9L,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 20 23 48 37.4–1.8 55.28N–.03 157.69W–.06 33–11 3.5L,3.4L
AEIC VIII 20 23 48 31.7–2.0 55.10N–.06 157.1W–.10 13–8 3.5L,3.4L **¶622451634**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 27 23 50 18.1–.76 56.03N–.04 157.18W–.03 20–6 3.6b 127 1-146
IDC VIII 27 23 50 19.1–6.8 56.23N 157.44W 28–46 3.7,3.6L **¶621072190**
AEIC VIII 27 23 50 19.6–.93 56.05N–.03 157.24W–.03 10–6 3.7,3.6L
NEIC VIII 27 23 50 20.5–1.3 56.07N–.01 157.24W–.05 35–2 3.4L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 25 01 31 27.2–.57 55.48N–.04 158.50W–.03 43–5 4.8b,3.6s 666 1-153
IDC VIII 25 01 31 21.7–.53 55.62N 158.73W 0 4.6b,4.6 **¶621003201**
GFZ VIII 25 01 31 23.8–.24 56N–5.0 159W–3.0 10 5.0b,5.0
BJI VIII 25 01 31 24.9 55.50N 158.60W 52 5.1b,5.1b
BGR VIII 25 01 31 27.0 55.48N 159.86W 45–0 4.8b,5.1b
AEIC VIII 25 01 31 26.8–3.5 55.47N–.04 158.48W–.05 7–3 4.8b,5.1b
NEIC VIII 25 01 31 27.1–1.6 55.46N–.02 158.53W–.07 42–4 4.9b,4.8L
NEIC VIII 25 01 31 27.6 55.46N 158.51W 48 4.9b,4.8L
ISC Event type ke.
IDC Error ellipse: s-maj=15.2km s-min=9.1km az=168.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
AEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=177.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=0.8km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.36 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$-0.59 $M_{r\theta}$2.05 $M_{\theta\phi}$0.56 $M_{\phi r}$2.09 NP1:ϕ_s62.69000°,δ73.31000°,λ72.44000°. NP2:ϕ_s290.46000°,δ24.04000° ,λ135.17000°. Principal axes: T 4.1710,Plg58.0000°,Azm309.0000°; N -1.5037,Plg17.0000° ,Azm68.0000°; P -2.6673,Plg26.0000°,Azm166.0000° $M_0$3.66000×10^{15}
NEIC Event type se.
ISC IX 02 13 37 45.9–.66 55.16N–.05 157.66W–.04 10 4.1b,3.1s 140 1-82
AEIC IX 02 13 37 44.9–1.8 55.09N–.05 157.66W–.05 10–7 4.1b,3.1s **¶621080685**
NEIC IX 02 13 37 44.1 55.10N 157.74W 20 4.1b,3.1s
NEIC IX 02 13 37 44.9–1.6 55.11N–.03 157.69W–.06 23–5 3.9L,3.8
IDC IX 02 13 37 46.2–1.0 55.17N 157.08W 0 3.9b,3.9
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=8.4km s-min=1.1km az=151.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.2km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.49 $M_{\theta\theta}$1.75 $M_{\phi\phi}$-0.26 $M_{r\theta}$5.22 $M_{\theta\phi}$-2.07 $M_{\phi r}$2.74 NP1:ϕ_s149.04000°,δ22.26000°,λ-13.68000°. NP2:ϕ_s251.74000° ,δ84.86000°,λ-111.69000°. Principal axes: T 5.5964,Plg36.0000°,Azm1.0000° ; N 1.4702,Plg22.0000°,Azm254.0000°; P -7.0665,Plg46.0000°,Azm140.0000° $M_0$6.46000×10^{14}
IDC Error ellipse: s-maj=24.4km s-min=13.8km az=156.0.
ISC IX 02 03 40 47.5–.78 57.93N–.04 155.28W–.03 94–5 198 0-148
IDC IX 02 03 40 46.9–3.7 58.14N 155.37W 88–25 4.0,3.7b **¶621080657**
NEIC IX 02 03 40 48.4–.88 57.92N–.03 155.28W–.04 88–3 3.6L,3.5L
AEIC IX 02 03 40 49.4–.68 57.92N–.04 155.27W–.05 83–3 3.6L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 03 20 38 34.2–.98 55.01N–.05 157.80W–.03 22–7 3.9b,3.3s 213 1-145
IDC IX 03 20 38 32.6–.76 55.30N 158.15W 0 4.4L,3.9 **¶621081590**
NEIC IX 03 20 38 34.2–1.1 55.01N–.03 157.73W–.05 25–5 4.3b,4.2L
NEIC IX 03 20 38 34 54.93N 157.70W 30 4.3b,4.2L
AEIC IX 03 20 38 36.0–1.6 54.98N–.07 157.77W–.08 45–6 4.3b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.20 $M_{\theta\theta}$-0.92 $M_{\phi\phi}$0.72 $M_{r\theta}$0.10 $M_{\theta\phi}$0.86 $M_{\phi r}$0.62 NP1:ϕ_s71.57000°,δ66.33000°,λ15.56000°. NP2:ϕ_s335.19000°,δ75.78000° ,λ155.53000°. Principal axes: T 1.3976,Plg27.0000°,Azm292.0000°; N -0.0952,Plg62.0000° ,Azm127.0000°; P -1.3024,Plg6.0000°,Azm25.0000° $M_0$1.35000×10^{15}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
ISC IX 26 15 23 18.7–.94 58.52N–.04 155.73W–.04 159–6 184 0-26
IDC IX 26 15 23 17.7–2.1 58.71N 155.89W 124–29 3.7,3.3b **¶621131518**
NEIC IX 26 15 23 19.5–.73 58.51N–.05 155.74W–.09 151–4 3.1L,3.1L
AEIC IX 26 15 23 21.1–1.2 58.52N–.03 155.77W–.09 143–3 3.1L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 13 03 20 38.3–1.0 58.27N–.05 156.09W–.06 179–7 3.8b 41 0-62
NEIC IX 13 03 20 42.7–.72 58.28N–.04 155.9W–.10 156–3 2.5L,2.2L **¶621109694**
IDC IX 13 03 20 42.6–2.0 58.23N 154.72W 221–10 3.4,3.0b
AEIC IX 13 03 20 43.8–.67 58.30N–.04 155.96W–.09 153–5 3.4,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 17 18 19 54.8–1.3 56.63N–.03 156.92W–.03 2–10 3.8b 131 1-82
IDC IX 17 18 19 55.5–1.3 57.11N 157.18W 0 3.8b,3.7 **¶621112979**
NEIC IX 17 18 19 55.4–1.3 56.61N–.02 156.89W–.03 10–1 3.5L,3.2L
AEIC IX 17 18 19 55.1–1.3 56.62N–.02 156.90W–.03 7–4 3.5L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 05 05 06 44.2–.98 56.56N–.05 155.72W–.04 58–9 3.8b 204 1-146
IDC IX 05 05 06 37.5–.80 56.76N 156.07W 0 3.8b,3.8 **¶621086382**
NEIC IX 05 05 06 43.3–.80 56.50N–.03 155.69W–.07 61–12 3.8L,3.5L
AEIC IX 05 05 06 44.0–.78 56.49N–.02 155.69W–.08 70–6 3.8L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IX 06 21 53 33.8–1.1 55.14N–.03 159.22W–.06 35–2 3.7b,3.4L
AEIC IX 06 21 53 34.0–1.2 55.14N–.04 159.21W–.04 20–5 3.7b,3.4L **¶622451934**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 30 11 25 47.7–1.1 58.09N–.02 154.41W–.02 4–8 3.5s,3.2b 107 0-148
IDC IX 30 11 25 47.9–1.4 58.09N 154.31W 0 3.6L,3.4 **¶621147761**
NEIC IX 30 11 25 48.8–1.2 58.11N–.02 154.49W–.04 10–2 3.8L,3.5L
AEIC IX 30 11 25 48.9–1.1 58.12N–.02 154.53W–.06 9–3 3.8L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.
ISC X 02 19 50 27.8–1.3 54.1N–.10 162.42W–.05 44–11 4.0b,3.5s 68 1-113
IDC X 02 19 50 22.1–1.2 54.08N 162.59W 0 3.8b,3.8 **¶621186085**
NEIC X 02 19 50 28.0–1.9 54.04N–.10 162.42W–.09 47–10 4.0b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 11 06 31.7–.92 56.86N–.05 156.26W–.05 80–9 3.8b 76 1-73
IDC X 04 11 06 25.1–2.0 57.16N 156.95W 0 3.9L,3.8b **¶621203118**
NEIC X 04 11 06 32.4–1.2 56.87N–.04 156.22W–.10 68–13 3.4L,3.3L
AEIC X 04 11 06 33.0–1.1 56.89N–.02 156.3W–.10 68–8 3.4L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 05 04 26 30.0–.71 58.64N–.04 155.02W–.04 131–6 4.0b 86 0-148
IDC X 05 04 26 29.7–1.3 58.67N 155.08W 124–17 4.2,3.7b **¶621203156**
NEIC X 05 04 26 30.7–.82 58.61N–.04 155.02W–.07 123–7 3.8L,3.4L
AEIC X 05 04 26 30.7–1.3 58.67N–.04 155.12W–.08 130–4 3.8L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 06 09 01 35.0–1.0 56.35N–.05 156.47W–.04 88–12 160 1-55
NEIC X 06 09 01 35.6–1.2 56.36N–.04 156.48W–.06 85–9 3.1L,3.0L **¶621217137**
AEIC X 06 09 01 37.3–1.5 56.37N–.04 156.48W–.06 69–7 3.1L,3.0L
IDC X 06 09 01 40.5–4.5 57.06N 156.50W 80–43 3.4,3.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.2km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.8km az=192.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.9km s-min=34.4km az=11.0.
ISC X 11 09 10 24.3–.19 56.36N–.02 156.67W–.02 59–1 6.8b,6.5s 3390 1-165
BJI X 11 09 10 18.2 56.41N 156.63W 40 7.1b,6.9s **¶621144696**
MOS X 11 09 10 21.7–.94 56.41N 156.89W 45 7.3b,6.5s
NEIC X 11 09 10 23.7 56.26N 156.50W 61 7.3b,6.5s
IDC X 11 09 10 23.1–.83 56.60N 156.73W 42–6 6.6,6.4b
NEIC X 11 09 10 24.0–1.9 56.25N–.04 156.51W–.05 58–1 6.9b,6.9
NEIC X 11 09 10 23.6 56.25N 156.51W 63 6.9b,6.9
PTWC X 11 09 10 23 56.30N 156.40W 73 7.0,6.9
IPGP X 11 09 10 23.0 56.27N 156.55W 62 7.0W,6.9
GFZ X 11 09 10 24.3 56.40N 156.77W 56 6.9W,6.9
GFZ X 11 09 10 24.3–.28 56N–1.0 157W–1.0 52–2 7.2b,7.1
NEIC X 11 09 10 24 56.24N 156.49W 58 7.2b,7.1
BGR X 11 09 10 24.9 56.72N 157.39W 33 7.3,6.9b
AEIC X 11 09 10 25.1–2.1 56.30N–.03 156.58W–.04 52–4 7.3,6.9b
GCMT X 11 09 10 30.0–.00 56.45N 156.63W 67–0 6.9W,6.9b
NEIC X 11 09 10 35.9 56.25N 156.87W 60 6.9,6.9b
NEIC X 11 09 10 44.6 56.82N 156.70W 60 6.9,6.9b
ISC Event type ke.
MOS Error ellipse: s-maj=8.5km s-min=3.7km az=96.8. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s3.00000°,δ76.00000°,λ157.00000°. NP2: ϕ_s98.00000°,δ68.00000°,λ15.00000°. Principal axes: T Plg25.0000°,Azm319.0000° ; N Plg64.0000°,Azm153.0000°; P Plg6.0000°,Azm52.0000°
NEIC Event type se.
IDC Error ellipse: s-maj=9.2km s-min=6.6km az=166.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.9km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.26 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.33 $M_{r\theta}$0.79 $M_{\theta\phi}$1.98 $M_{\phi r}$1.45 NP1:ϕ_s0.87000°,δ79.44000°,λ145.08000°. NP2:ϕ_s98.16000°,δ55.75000°,λ12.81000°. Principal axes: T 2.8349,Plg32.0000°,Azm314.0000°; N -0.5583,Plg54.0000°,Azm166.0000° ; P -2.2766,Plg16.0000°,Azm54.0000° $M_0$2.60000×10^{19}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s3.00000°,δ78.00000°,λ150.00000°. NP2:ϕ_s100.00000° ,δ60.00000°,λ14.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.18 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.81 $M_{\theta\phi}$1.90 $M_{\phi r}$1.40 NP1: ϕ_s100.33538°,δ55.15306°,λ11.11819°. NP2:ϕ_s3.92848°,δ80.89439°,λ144.64235°. Principal axes: T 2.7568,Plg31.0599°,Azm316.2433°; N -0.5614,Plg53.6371°,Azm171.3553° ; P -2.1954,Plg16.9854°,Azm56.8443° $M_0$2.52341×10^{19}
GFZ Error ellipse: s-maj=3.1km s-min=2.8km az=169.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
BGR Event type ke.
AEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.4km az=139.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110110910A. Moment Tensor Solution. s173,c485; s171,c848;Duration: 6s9 Moment tensor: Scale 10^{19}Nm; M_{rr}0.25±.01 $M_{\theta\theta}$0.23±.01; $M_{\phi\phi}$-0.48±.01; $M_{r\theta}$0.85±.01; $M_{\theta\phi}$2.20±.01; $M_{\phi r}$1.64±.01; Best double couple: NP1:ϕ_s100.00000°,δ55.00000°,λ11.00000°. NP2:ϕ_s3.00000°,δ81.00000°,λ144.00000°. Principal axes: T 3.1480,Plg31.0000°,Azm315.0000°; N -0.5730,Plg53.0000°,Azm171.0000° ; P -2.5750,Plg17.0000°,Azm56.0000° $M_0$2.86100×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 14s2 Moment tensor: Scale 10^{19}Nm; M_{rr}0.46 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-0.77 $M_{r\theta}$0.80 $M_{\theta\phi}$2.04 $M_{\phi r}$1.24 NP1:ϕ_s102.13000°,δ59.25000° ,λ15.77000°. NP2:ϕ_s3.92000°,δ76.49000°,λ148.28000°. Principal axes: T 2.7516,Plg32.0000°,Azm319.0000°; N -0.3101,Plg56.0000°,Azm163.0000° ; P -2.4415,Plg11.0000°,Azm56.0000° $M_0$2.61000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 15s4 Moment tensor: Scale 10^{19}Nm; M_{rr}0.40 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-0.64 $M_{r\theta}$0.82 $M_{\theta\phi}$2.16 $M_{\phi r}$1.32 NP1:ϕ_s2.64000°,δ77.19000°,λ148.67000°. NP2:ϕ_s100.33000°,δ59.53000°,λ14.91000°. Principal axes: T 2.8827,Plg31.0000° ,Azm317.0000°; N -0.3772,Plg56.0000°,Azm163.0000°; P -2.5055,Plg12.0000° ,Azm55.0000° $M_0$2.69000×10^{19}
ISC X 09 20 23 31.8–1.3 56.99N–.03 156.18W–.03 4–10 91 1-33
NEIC X 09 20 23 31.9–1.4 56.98N–.02 156.19W–.02 5–1 3.5L,3.3L **¶621235347**
AEIC X 09 20 23 32.6–1.9 57.01N–.02 156.23W–.05 12–4 3.5L,3.3L
IDC X 09 20 23 36.2–6.7 57.45N 156.25W 0 3.3b,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.5km s-min=1.5km az=62.0. hypocenter. manual.
IDC Error ellipse: s-maj=107.4km s-min=31.8km az=89.0.
ISC X 11 13 59 29.9–.87 56.27N–.05 156.52W–.03 57–8 4.2b 206 1-146
IDC X 11 13 59 24.0–.79 56.44N 157.04W 0 4.1L,4.1b **¶621236889**
NEIC X 11 13 59 30.6–1.1 56.27N–.04 156.57W–.06 61–3 4.4b,3.7L
AEIC X 11 13 59 31.7–1.6 56.28N–.04 156.57W–.06 51–4 4.4b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 11 09 21 58.7–.68 56.18N–.05 156.53W–.05 77–12 2.9L,2.8L
AEIC X 11 09 22 00.4–.78 56.23N–.03 156.50W–.06 65–5 2.9L,2.8L **¶622499588**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 11 09 22 24.2–1.0 56.25N–.04 156.52W–.05 69–13 2.7L,2.6L
AEIC X 11 09 22 25.1–1.3 56.26N–.04 156.54W–.06 65–8 2.7L,2.6L **¶622499591**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 12 00 52 54.6–.38 56.35N–.04 156.47W–.06 75–11 3.0L,2.7L
AEIC X 12 00 52 55.7–.76 56.36N–.03 156.43W–.06 72–8 3.0L,2.7L **¶622499626**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 11 09 26 20.0–.84 56.34N–.04 156.48W–.03 81–9 4.2b 135 1-54
NEIC X 11 09 26 20.2–1.1 56.31N–.03 156.55W–.06 75–11 3.5L,3.5L **¶621236871**
IDC X 11 09 26 20.7–3.5 56.79N 156.84W 48–39 4.2,3.9b

AEIC X 11 09 26 21.1–1.0 56.31N–.04 156.53W–.05 72–8 4.2,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 11 09 28 46.6–1.1 56.29N–.03 156.57W–.06 62–9 3.1L,3.0L
AEIC X 11 09 28 47.3–1.1 56.28N–.03 156.51W–.04 59–8 3.1L,3.0L ¶622499594
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 11 09 30 22.5–.99 56.20N–.05 156.51W–.05 66–12 3.1L,3.0L
AEIC X 11 09 30 23.3–.94 56.18N–.04 156.49W–.06 65–8 3.1L,3.0L ¶621236872
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 11 09 30 51.3–.91 56.41N–.04 156.51W–.03 75–10 100 1-55
NEIC X 11 09 30 50.5–1.4 56.38N–.04 156.56W–.06 87–10 3.0L,3.0L ¶622499595
IDC X 11 09 30 50.6–5.5 56.66N 156.73W 46–72 4.0,3.9b
AEIC X 11 09 30 52.3–1.2 56.41N–.04 156.57W–.05 65–8 4.0,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 11 19 40 24.4–.58 56.31N–.04 156.53W–.03 63–5 4.8b 565 1-152
IDC X 11 19 40 17.1–.60 56.41N 156.98W 0 4.6L,4.6b ¶621145648
BJI X 11 19 40 21.0 56.30N 156.60W 59 5.4b,4.9b
GFZ X 11 19 40 23.9–.18 56N–4.0 157W–2.0 50 6.0,5.9
NEIC X 11 19 40 24.2–1.0 56.27N–.04 156.56W–.06 62–5 4.9b,4.3L
AEIC X 11 19 40 25.3–1.9 56.29N–.04 156.56W–.05 53–3 4.9b,4.3L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 11 17 56 23.9–.92 56.37N–.05 156.47W–.04 59–9 4.0b 182 1-146
IDC X 11 17 56 17.1–.75 56.45N 156.90W 0 3.9b,3.9 ¶621236897
NEIC X 11 17 56 23.6–.86 56.29N–.04 156.54W–.06 56–3 4.2b,3.7L
AEIC X 11 17 56 24.8–1.1 56.32N–.04 156.54W–.05 46–6 4.2b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 11 19 35 53.3–1.3 56.26N–.04 156.51W–.03 15–8 3.9b 119 1-84
IDC X 11 19 35 49.9–1.1 56.32N 156.91W 0 3.8b,3.7 ¶621236903
NEIC X 11 19 35 56.8–1.4 56.24N–.02 156.56W–.04 35–2 3.3L,3.1L
AEIC X 11 19 35 57.5–1.2 56.24N–.02 156.55W–.06 46–9 3.3L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 12 04 41 21.2–.95 56.25N–.04 156.61W–.03 53–9 4.0b 123 1-146
IDC X 12 04 41 14.2–1.0 56.33N 157.08W 0 3.9b,3.8 ¶621236923
NEIC X 12 04 41 21.0–1.3 56.23N–.04 156.59W–.05 61–9 3.5L,3.4L
AEIC X 12 04 41 22.2–1.2 56.25N–.03 156.60W–.06 51–7 3.5L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 14 01 13 37.3–.97 55.47N–.02 158.42W–.05 10–2 3.1L,3.0L
AEIC X 14 01 13 39.8–2.3 55.55N–.02 158.46W–.07 10–5 3.1L,3.0L ¶622499663
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 12 18 47 57.1–1.0 56.41N–.05 156.57W–.04 56–11 3.5b 164 1-83
IDC X 12 18 47 49.1–1.2 56.27N 157.04W 0 3.6b,3.5 ¶621236965
NEIC X 12 18 47 56.3–.78 56.341N–.00 156.55W–.05 35–2 3.2L,3.2L
AEIC X 12 18 47 57.2–.91 56.36N–.04 156.57W–.06 46–9 3.2L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 12 19 05 06.0–.83 56.39N–.04 156.52W–.04 84–8 3.9b 205 1-83
NEIC X 12 19 05 06.6–1.1 56.41N–.04 156.57W–.04 83–8 3.3L,3.3L ¶621236967
AEIC X 12 19 05 08.0–.99 56.41N–.04 156.54W–.06 67–7 3.3L,3.3L
IDC X 12 19 05 08.8–3.4 57.03N 156.68W 81–38 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=2.8km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.6km az=186.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.0km s-min=28.9km az=164.0.
ISC X 17 19 27 10.0–1.4 55.05N–.05 157.69W–.03 25–9 4.5b,4.0s 294 1-145
BJI X 17 19 27 05.6 55.04N 157.71W 12 5.2b,4.9s ¶621205007
IDC X 17 19 27 07.6–.71 55.30N 157.86W 0 4.2b,4.2
NEIC X 17 19 27 09.9–1.3 55.06N–.06 157.60W–.06 23–1 4.7b,4.6
NEIC X 17 19 27 10.3 55.07N 157.59W 26 4.7b,4.6
AEIC X 17 19 27 11.6–1.7 55.05N–.05 157.59W–.05 34–4 4.7b,4.6
GFZ X 17 19 27 26.1–1.2 56N–9.0 158W–5.0 117–9 5.4b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.46 $M_{\theta\theta}$1.15 $M_{\phi\phi}$-4.62 $M_{r\theta}$6.02 $M_{\theta\phi}$-2.86 $M_{\phi r}$3.82 NP1:ϕ_s169.64000°,δ27.45000°,λ29.87000°. NP2:ϕ_s52.62000°,δ76.73000°,λ114.25000°. Principal axes: T 8.5485,Plg52.0000°,Azm351.0000°; N 0.3661,Plg24.0000°,Azm227.0000°; P -8.9146,Plg28.0000°,Azm123.0000° $M_0$8.74000×10^{15}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 15 02 45 39.4–.82 56.32N–.05 156.47W–.04 21–4 3.5b 117 1-46
NEIC X 15 02 45 40.9–1.5 56.293N–.01 156.49W–.06 35–2 3.1L,3.0L ¶621242026
AEIC X 15 02 45 42.2–1.1 56.33N–.05 156.50W–.08 46–9 3.1L,3.0L
IDC X 15 02 45 42.6–6.3 56.65N 156.54W 49–54 3.4,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.1km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.4km az=144.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.9km s-min=40.5km az=19.0.
ISC X 15 02 50 24.3–2.2 55.23N–.05 157.21W–.03 0–14 4.4b 200 1-150
AEIC X 15 02 50 28.6–3.7 55.22N–.05 157.2W–.10 39–6 4.4b ¶621242027
NEIC X 15 02 50 28.3–1.9 55.25N–.03 157.36W–.07 26–4 4.4b,4.3
IDC X 15 02 50 28.7–.95 55.31N 156.45W 0 4.2b,4.1
NEIC X 15 02 50 29.4 55.24N 157.43W 35 4.2b,4.1
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.2km az=128.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.5km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.34 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$1.69 $M_{r\theta}$2.18 $M_{\theta\phi}$1.66 $M_{\phi r}$0.47 NP1:ϕ_s244.28000°,δ74.15000°,λ-53.14000°. NP2:ϕ_s354.30000°,δ39.68000°,λ-154.67000°. Principal axes: T 3.1784,Plg21.0000°,Azm307.0000°; N 0.0069,Plg35.0000°,Azm53.0000°; P -3.1854,Plg48.0000°,Azm193.0000° $M_0$3.18000×10^{15}
IDC Error ellipse: s-maj=19.7km s-min=16.0km az=15.0.
NEIC Event type se.
NEIC X 15 08 18 32.5–1.6 54.38N–.04 161.49W–.05 10–1 3.7b,3.5L
AEIC X 15 08 18 33.5–1.5 54.42N–.04 161.56W–.05 13–4 3.7b,3.5L ¶622505843
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 14 19 01 16.6–1.6 56.26N–.04 156.45W–.07 35–2 3.0L,2.9L
AEIC X 14 19 01 18.8–1.4 56.34N–.05 156.58W–.06 46–9 3.0L,2.9L ¶622499679
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 23 23 02 32.0–.95 56.37N–.05 156.50W–.03 54–10 3.6b 123 1-82
NEIC X 23 23 02 31.9–1.1 56.33N–.04 156.55W–.05 53–8 3.9b,3.5L ¶621309399
AEIC X 23 23 02 32.5–.99 56.326N–.01 156.54W–.06 49–6 3.9b,3.5L
IDC X 23 23 02 33.5–3.8 56.68N 156.58W 55–33 3.7,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.5km s-min=1.3km az=81.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.4km s-min=16.0km az=19.0.
ISC X 28 19 06 56.1–.31 55.06N–.03 158.85W–.02 29–1 5.4b,4.6s 1419 0-157
IDC X 28 19 06 52.3–.45 55.12N 159.00W 0 5.1b,5.1 ¶622506045
BJI X 28 19 06 53.0 55.10N 158.80W 37 5.6b,5.4b
MOS X 28 19 06 55.4–.87 55.12N 158.97W 31 5.7b,4.6s
NEIC X 28 19 06 56.4–2.3 55.07N–.04 158.84W–.05 28–3 5.4b,5.3L
NEIC X 28 19 06 56.9 55.08N 158.86W 34 5.4b,5.3L
AEIC X 28 19 06 56.6–2.7 54.97N–.05 158.75W–.07 13–3 5.4b,5.3L
NEIC X 28 19 06 56.8 55.09N 158.87W 32 5.4b,5.3L
GFZ X 28 19 06 57.7–.11 55N–3.0 159W–2.0 32 5.8b,5.4
GFZ X 28 19 06 57.6 55.08N 158.95W 40 5.0W,5.4
GCMT X 28 19 06 58.3–.20 54.86N–.01 158.66W–.02 45–0 5.1W,5.4
NEIC X 28 19 07 04.8 55.08N 158.86W 36 5.1,5.4
ISC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=8.7km az=167.0.
MOS Error ellipse: s-maj=8.6km s-min=3.9km az=97.1.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.1km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.47 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.09 $M_{r\theta}$3.07 $M_{\theta\phi}$-0.04 $M_{\phi r}$1.46 NP1:ϕ_s64.62000°,δ86.55000°,λ88.64000°. NP2:ϕ_s266.18000°,δ3.71000°,λ111.52000°. Principal axes: T 3.4793,Plg48.0000°,Azm333.0000°; N -0.1100,Plg1.0000°,Azm65.0000°; P -3.3693,Plg42.0000°,Azm156.0000° $M_0$3.43000×10^{16}
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.3km az=145.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.24 $M_{\theta\theta}$-3.76 $M_{\phi\phi}$0.52 $M_{r\theta}$2.54 $M_{\theta\phi}$-0.71 $M_{\phi r}$1.34 NP1: ϕ_s68.05395°,δ64.92207°,λ77.36298°. NP2:ϕ_s275.93153°,δ27.89685°,λ115.05612°. Principal axes: T 4.3696,Plg67.6145°,Azm314.0875°; N 0.4492,Plg11.4288°,Azm73.4824°; P -4.8188,Plg18.9793°,Azm167.4693° $M_0$4.61064×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110281906A. Moment Tensor Solution. s89,c140; s113,c187;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.98±.12 $M_{\theta\theta}$-3.94±.10; $M_{\phi\phi}$-0.04±.10; $M_{r\theta}$2.95±.11; $M_{\theta\phi}$-2.28±.08; $M_{\phi r}$1.56±.09; Best double couple: NP1: ϕ_s248.00000°,δ27.00000°,λ95.00000°. NP2:ϕ_s63.00000°,δ63.00000°,λ88.00000°. Principal axes: T 5.0890,Plg72.0000°,Azm328.0000°; N 0.9980,Plg2.0000°,Azm64.0000°; P -6.0940,Plg18.0000°,Azm155.0000° $M_0$5.59200×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}3.63 $M_{\theta\theta}$-3.26 $M_{\phi\phi}$-0.37 $M_{r\theta}$3.30 $M_{\theta\phi}$-1.89 $M_{\phi r}$1.73 NP1:ϕ_s244.94000°,δ23.21000°,λ92.12000°. NP2:ϕ_s62.63000°,δ66.80000°,λ89.09000°. Principal axes: T 5.1223,Plg68.0000°,Azm331.0000°; N 0.5613,Plg1.0000°,Azm63.0000°; P -5.6835,Plg22.0000°,Azm153.0000° $M_0$5.42000×10^{16}
ISC X 27 13 56 13.4–.90 54.87N–.06 160.20W–.04 43–8 4.0b 165 0-145
IDC X 27 13 56 12.9–6.0 54.93N 160.14W 44–49 3.9,3.7b ¶621385468
NEIC X 27 13 56 13.4–2.2 54.82N–.05 160.23W–.06 35–2 3.8b,3.5L
AEIC X 27 13 56 13.3–3.2 54.85N–.05 160.29W–.05 7–4 3.8b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 27 11 50 05.8–1.2 54.24N–.07 162.46W–.04 45–13 3.7b 152 1-80
IDC X 27 11 50 01.1–1.4 54.53N 162.67W 0 3.7L,3.7b ¶621242176
AEIC X 27 11 50 05.7–2.2 54.30N–.05 162.62W–.05 4–5 3.7L,3.7b
NEIC X 27 11 50 06.2–2.0 54.23N–.05 162.52W–.06 42–14 3.7b,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 04 12 58 21.0–1.0 56.33N–.05 156.55W–.04 48–15 103 1-46
NEIC XI 04 12 58 21.1–1.2 56.35N–.04 156.59W–.06 49–13 3.2L,2.9L ¶621412299
AEIC XI 04 12 58 21.3–1.0 56.31N–.03 156.57W–.06 54–7 3.2L,2.9L
IDC XI 04 12 58 24.9–3.9 56.94N 156.55W 84–40 3.5,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.2km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.0km az=46.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.3km s-min=24.0km az=16.0.
NEIC XI 01 13 41 41.5–1.0 58.95N–.03 154.50W–.06 129–4 2.7L,2.3L
AEIC XI 01 13 41 42.3–1.3 58.92N–.04 154.47W–.08 129–4 2.7L,2.3L ¶622506099
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 04 06 51 36.8–1.4 56.20N–.04 156.73W–.03 6–11 3.3b 135 1-46
NEIC XI 04 06 51 40.8–.98 56.21N–.03 156.81W–.04 57–13 3.5L,3.5L ¶621412279
AEIC XI 04 06 51 41.4–.99 56.20N–.04 156.80W–.05 54–8 3.5L,3.5L
IDC XI 04 06 51 47.7–7.9 57.45N 156.76W 0 3.3b,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=1.9km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.6km az=168.0. hypocenter. manual.
IDC Error ellipse: s-maj=140.7km s-min=24.7km az=92.0.
ISC XI 09 05 57 45.4–.72 56.20N–.07 161.32W–.05 195–7 2.9b 164 1-146
IDC XI 09 05 57 43.5–5.1 56.34N 161.50W 162–38 3.5,3.0b ¶621423137
NEIC XI 09 05 57 44.8–1.8 56.13N–.07 161.3W–.10 198–6 3.3L,3.2L
AEIC XI 09 05 57 46.3–2.0 56.08N–.07 161.3W–.10 201–5 3.3L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 07 17 58 02.4–1.2 55.10N–.07 160.34W–.04 69–10 3.6b 103 0-158
NEIC XI 07 17 58 03.4–.71 55.11N–.06 160.40W–.06 60–7 3.6L,3.3L ¶621416045
AEIC XI 07 17 58 04.3–.76 55.11N–.07 160.39W–.04 52–7 3.6L,3.3L
IDC XI 07 17 58 06.2–6.2 55.27N 159.84W 111–50 3.7,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.1km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=9.5km s-min=3.2km az=180.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.5km s-min=39.3km az=170.0.
ISC XI 20 18 23 09.4–.65 58.52N–.04 156.53W–.04 199–5 3.1b 250 0-82
IDC XI 20 18 23 07.9–1.7 58.75N 156.65W 165–14 3.8,3.2b ¶621590372
NEIC XI 20 18 23 09.1–1.2 58.47N–.04 156.53W–.05 202–4 3.2L,3.0L
AEIC XI 20 18 23 11.0–.93 58.49N–.04 156.54W–.09 192–4 3.2L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 19 18 23 03.9–.73 56.59N–.04 157.07W–.03 77–7 3.9b 295 1-82
IDC XI 19 18 23 03.4–3.4 56.88N 157.23W 57–30 4.0L,3.9 ¶621590306
NEIC XI 19 18 23 04.5–1.4 56.55N–.04 157.09W–.06 77–9 4.2b,3.5L
AEIC XI 19 18 23 05.8–1.4 56.55N–.03 157.07W–.04 57–8 4.2b,3.5L

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 22 11 27 08.2–.53 58.29N–.03 156.05W–.04 149–5 4.1b 376 0-150
IDC XI 22 11 27 06.5–1.3 58.52N 156.23W 120–12 4.6s,4.3 **¶621440144**
NEIC XI 22 11 27 08.3–1.1 58.28N–.04 156.01W–.07 149–4 4.4L,4.3L
AEIC XI 22 11 27 09.7–1.4 58.26N–.05 155.96W–.09 144–4 4.4L,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XII 06 13 16 03.3–1.4 54.55N–.04 160.97W–.03 11–8 3.5L,2.8L
AEIC XII 06 13 16 04.8–1.5 54.59N–.04 160.98W–.06 26–5 3.5L,2.8L **¶622512032**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 04 14 01 20.6–.68 58.82N–.04 154.74W–.04 140–5 3.9b 185 0-149
IDC XII 04 14 01 19.9–1.5 58.87N 154.88W 118–22 4.0,3.7b **¶621612434**
NEIC XII 04 14 01 21.2–.47 58.78N–.04 154.77W–.07 135–5 3.5L,3.4L
AEIC XII 04 14 01 22.2–.88 58.77N–.05 154.74W–.10 133–4 3.5L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 01 23 55 07.1–2.6 55.07N–.05 157.60W–.03 17–16 4.2b,3.5s 220 1-145
IDC XII 01 23 55 04.8–.82 55.13N 157.87W 0 4.0b,4.0 **¶621629857**
NEIC XII 01 23 55 07.4–1.2 55.05N–.04 157.54W–.02 19–4 4.2b,4.0L
AEIC XII 01 23 55 08.2–1.3 55.00N–.04 157.58W–.05 12–4 4.2b,4.0L
NEIC XII 01 23 55 08.9 55.09N 157.57W 30 4.2b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=11.0km az=151.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.0km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.06 $M_{\theta\theta}$0.51 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.75 $M_{\theta\phi}$-0.13 $M_{\phi r}$0.39 NP1:ϕ_s147.32000°,δ33.98000°,λ3.44000°. NP2:ϕ_s54.47000°,δ88.08000°,λ123.93000°. Principal axes: T 1.0777,Plg38.0000°,Azm354.0000°; N -0.1478,Plg34.0000°,Azm233.0000°; P -0.9299,Plg34.0000°,Azm116.0000° $M_0$1.01000×10^{15}
AEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.2km az=165.0. hypocenter. manual.
NEIC Event type se.
ISC XII 12 09 55 26.3–.59 55.43N–.04 157.63W–.03 11–3 5.7s,5.0b 908 1-153
MOS XII 12 09 55 25.8–.81 55.57N 157.60W 14 5.7s,5.3b **¶621627647**
IDC XII 12 09 55 25.3–.52 55.52N 157.73W 0 5.3s,4.8b
GFZ XII 12 09 55 28.4–.22 56N–5.0 158W–3.0 10 6.3b,6.1
BJI XII 12 09 55 28.0 55.50N 157.60W 40 5.3b,5.2s
AEIC XII 12 09 55 29.2–2.8 55.42N–.04 157.48W–.06 7–4 5.3b,5.2s
NEIC XII 12 09 55 30.4–1.5 55.46N–.04 157.56W–.08 39–6 5.0L,5.0b
BGR XII 12 09 55 40.9 57.02N 157.85W 33 5.7s,5.0b
ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=3.9km az=92.9.
IDC Error ellipse: s-maj=14.1km s-min=8.6km az=165.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AEIC Event type se. Error ellipse: s-maj=5.2km s-min=5.1km az=125.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.3km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NEIC XII 14 23 26 18.6–1.3 55.39N–.08 159.6W–.10 58–7 3.8L,3.7b
AEIC XII 14 23 26 19.7–1.1 55.38N–.08 159.6W–.10 51–5 3.8L,3.7b **¶621630187**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 27 20 13 12.4–1.3 56.46N–.04 156.72W–.03 14–8 3.8b,3.5s 157 1-96
IDC XII 27 20 13 11.3–1.2 56.74N 156.97W 0 4.1L,3.7 **¶621654276**
NEIC XII 27 20 13 12.4–1.4 56.46N–.04 156.73W–.05 10–1 3.9b,3.7L
AEIC XII 27 20 13 12.8–1.9 56.45N–.04 156.75W–.05 2–4 3.9b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(13) Kodiak Island region.

ISC VIII 02 21 13 10.7–1.4 57.98N–.05 151.70W–.04 12–9 4.1b 193 1-148
NEIC VIII 02 21 13 11.0–1.7 57.96N–.03 151.69W–.06 15–2 4.0b,4.0L **¶620929660**
IDC VIII 02 21 13 10.8–.71 58.28N 152.43W 0 3.9b,3.9
AEIC VIII 02 21 13 11.6–1.6 58.00N–.03 151.70W–.04 14–4 3.9b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 05 14 55 23.7–.96 56.25N–.07 152.96W–.05 22 3.9b 137 1-81
NEIC IX 05 14 55 21.5–1.4 56.11N–.06 152.81W–.09 10–2 3.4L,3.3L **¶621035620**
AEIC IX 05 14 55 26.6–2.0 56.27N–.07 152.96W–.09 25–7 3.4L,3.3L
IDC IX 05 14 55 33.1–3.9 56.87N 153.21W 61–21 3.7,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.9km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.5km az=170.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.4km s-min=33.8km az=148.0.
NEIC VIII 13 19 15 51.1–1.1 58.42N–.03 153.16W–.06 66–8 3.1L,2.9L
AEIC VIII 13 19 15 52.0–1.3 58.42N–.03 153.18W–.06 63–4 3.1L,2.9L **¶620986445**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 27 07 03 22.7–1.7 56.11N–.05 153.55W–.04 17–10 4.2b,3.9s 188 1-146
IDC XII 27 07 03 20.4–.75 56.07N 153.68W 0 4.0b,3.9 **¶621653750**
NEIC XII 27 07 03 23.8–2.2 56.12N–.03 153.72W–.07 21–4 4.2b,3.8L
AEIC XII 27 07 03 23.8–3.8 55.93N–.03 153.48W–.09 42–5 4.2b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 21 08 05 46.4–.61 58.99N–.03 152.71W–.03 77–5 3.9b 309 0-149
IDC XI 21 08 05 45.0–1.2 59.06N 152.92W 58–14 3.9,3.6b **¶621427857**
NEIC XI 21 08 05 46.5–.72 58.98N–.03 152.68W–.07 75–5 4.1b,4.0L
AEIC XI 21 08 05 47.5–.72 58.99N–.03 152.71W–.05 71–4 4.1b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XI 30 12 41 08.9–.96 58.87N–.03 152.97W–.03 72–5 3.8b,3.7L
AEIC XI 30 12 41 09.9–1.1 58.86N–.03 152.97W–.07 62–5 3.8b,3.7L **¶621532516**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 16 18 57 54.2–2.0 56.79N–.07 153.07W–.05 15–10 4.1b 164 0-84
IDC XII 16 18 57 52.6–1.9 56.80N 153.39W 0 3.9b,3.8 **¶621631367**
NEIC XII 16 18 57 53.1–1.0 56.71N–.04 153.08W–.08 10–1 4.3b,3.7L
AEIC XII 16 18 57 55.4–1.2 56.74N–.06 153.15W–.08 11–5 4.3b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 29 18 05 22.6–1.8 56.78N–.06 153.00W–.04 16–10 4.1b 188 1-151
IDC XII 29 18 05 20.5–.93 56.72N 153.26W 0 4.2s,3.9L **¶621657129**
NEIC XII 29 18 05 21.8–1.1 56.74N–.04 153.06W–.07 10–1 4.3b,3.8L
AEIC XII 29 18 05 23.5–1.4 56.73N–.04 153.13W–.09 7–4 4.3b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 30 13 24 35.2–.43 57.30N–.04 155.00W–.03 63–3 5.3b 1090 0-162
BJI XII 30 13 24 32.6 57.40N 155.10W 68 5.4b,5.2b **¶621657524**
MOS XII 30 13 24 33.2–.89 57.34N 155.10W 59 5.5b,4.7s
NEIC XII 30 13 24 34.9–2.9 57.26N–.05 154.93W–.08 57–1 5.3b,5.1L
GFZ XII 30 13 24 35.2–.16 57N–3.0 155W–2.0 53 6.4,6.4
IDC XII 30 13 24 35.2–1.4 57.38N 155.22W 59–12 5.2,4.9b
NEIC XII 30 13 24 35.4 57.29N 155.02W 61 5.2,4.9b
NEIC XII 30 13 24 35.3 57.27N 154.95W 61 5.2,4.9b
AEIC XII 30 13 24 36.7–2.9 57.26N–.05 155.00W–.08 59–4 5.2,4.9b
NEIC XII 30 13 24 36.9 57.19N 155.21W 60 5.0,4.9b
GCMT XII 30 13 24 37.0–.40 57.32N–.03 155.22W–.04 59–2 5.1W,4.9b
BGR XII 30 13 24 39.7 58.43N 155.85W 33 5.4b,4.7s
ISC Event type ke.
MOS Error ellipse: s-maj=9.1km s-min=4.1km az=92.4.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.38 $M_{\theta\theta}$1.00 $M_{\phi\phi}$1.39 $M_{r\theta}$0.75 $M_{\theta\phi}$1.70 $M_{\phi r}$0.12 NP1:ϕ_s28.24000°,δ40.26000°,λ-110.42000°. NP2:ϕ_s234.25000°,δ52.73000°,λ-73.54000°. Principal axes: T 2.9682,Plg6.0000°,Azm313.0000°; N -0.4084,Plg13.0000°,Azm44.0000°; P -2.5598,Plg75.0000°,Azm197.0000° $M_0$2.79000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=11.8km s-min=8.1km az=9.0.
NEIC Event type se.
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.3km az=143.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ6 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.70 $M_{\theta\theta}$1.82 $M_{\phi\phi}$0.87 $M_{r\theta}$0.50 $M_{\theta\phi}$2.61 $M_{\phi r}$0.90 NP1:ϕ_s64.07000°,δ38.60000°,λ-69.52000°. NP2:ϕ_s218.53000°,δ54.23000°,λ-105.60000°. Principal axes: T 4.1354,Plg8.0000°,Azm320.0000°; N -1.2202,Plg13.0000°,Azm228.0000°; P -2.9152,Plg75.0000°,Azm81.0000° $M_0$3.68000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112301324A. Moment Tensor Solution. s31,c38; s77,c119; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.89±.40 $M_{\theta\theta}$2.81±.27; $M_{\phi\phi}$2.08±.24; $M_{r\theta}$0.24±.22; $M_{\theta\phi}$2.74±.12; $M_{\phi r}$1.55±.15; Best double couple: NP1:ϕ_s60.00000°,δ39.00000°,λ-72.00000°. NP2:ϕ_s218.00000°,δ53.00000°,λ-104.00000°. Principal axes: T 5.3530,Plg7.0000°,Azm318.0000°; N -0.1180,Plg11.0000°,Azm226.0000°; P -5.2350,Plg77.0000°,Azm78.0000° $M_0$5.29400×10^{16}
BGR Event type ke.

(14) Kenai Peninsula.

NEIC VII 01 02 16 47.5–.73 59.87N–.03 151.51W–.04 74–2 2.7L,2.2L
AEIC VII 01 02 16 48.2–.79 59.86N–.04 151.48W–.06 72–4 2.7L,2.2L **¶620669126**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 01 02 27 21.2–.42 60.60N–.03 151.78W–.02 81–3 4.7b 501 0-150
IDC VII 01 02 27 18.8–1.8 60.73N 152.12W 53–18 4.4,4.3L **¶620669127**
NEIC VII 01 02 27 21.7–1.2 60.58N–.03 151.79W–.06 86–3 4.7b,4.5L
GFZ VII 01 02 27 21.0–.44 61N–4.0 152W–6.0 75–3 4.8b,4.8
AEIC VII 01 02 27 22.9–1.6 60.58N–.03 151.78W–.06 78–3 4.8b,4.8
NEIC VII 01 02 27 22 60.59N 151.80W 83 4.8b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=10.8km az=124.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=4.0km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.65 $M_{\theta\theta}$-5.31 $M_{\phi\phi}$5.96 $M_{r\theta}$-1.53 $M_{\theta\phi}$1.19 $M_{\phi r}$2.85 NP1:ϕ_s51.68000°,δ60.96000°,λ-0.43000°. NP2:ϕ_s141.88000°,δ89.62000°,λ-150.96000°. Principal axes: T 7.0509,Plg20.0000°,Azm273.0000°; N -0.9356,Plg61.0000°,Azm143.0000°; P -6.1153,Plg20.0000°,Azm11.0000° $M_0$6.63000×10^{15}
GFZ Error ellipse: s-maj=12.7km s-min=9.3km az=81.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
AEIC Event type se. Error ellipse: s-maj=4.3km s-min=4.0km az=75.0. hypocenter. manual.
NEIC Event type se.
ISC VII 19 10 52 19.4–.48 60.21N–.03 151.82W–.03 72–4 4.4b 299 0-150
GFZ VII 19 10 52 18.1–.38 60N–4.0 152W–3.0 58–3 4.5b,4.5 **¶620833535**
IDC VII 19 10 52 18.1–1.2 60.29N 152.02W 58–12 4.3,4.0b
NEIC VII 19 10 52 19.9 60.21N 151.84W 67 4.3,4.0b
NEIC VII 19 10 52 20.1–1.3 60.23N–.04 151.87W–.06 73–4 4.5L,4.4b
AEIC VII 19 10 52 21.0–1.4 60.23N–.03 151.82W–.06 69–4 4.5L,4.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.70 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$1.53 $M_{r\theta}$-0.98 $M_{\theta\phi}$-2.27 $M_{\phi r}$-1.03 NP1:ϕ_s108.00000°,δ63.83000°,λ-161.61000°. NP2:ϕ_s9.65000°,δ73.55000°,λ-27.38000°. Principal axes: T 2.9517,Plg6.0000°,Azm60.0000°; N 0.0710,Plg58.0000°,Azm161.0000°; P -3.0227,Plg31.0000°,Azm327.0000° $M_0$2.99000×10^{15}
AEIC Event type se. hypocenter. manual.
ISC VIII 01 06 53 56.0–.64 59.97N–.03 151.75W–.03 65–6 3.7b 244 0-70
IDC VIII 01 06 53 54.9–1.2 60.00N 152.09W 50–14 3.7L,3.7 **¶620925418**
NEIC VIII 01 06 53 56.3–1.2 59.99N–.02 151.77W–.04 65–5 3.8b,3.7L
AEIC VIII 01 06 53 57.2–1.2 59.99N–.03 151.76W–.05 58–5 3.8b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 11 05 58 43.1–.45 60.27N–.03 151.31W–.03 75 4.1b 238 1-69
IDC IX 11 05 58 40.3–2.4 60.37N 151.53W 41–27 4.1L,4.0 **¶621069036**
NEIC IX 11 05 58 43.2 60.29N 151.34W 68 4.1L,4.0
NEIC IX 11 05 58 43.2–1.3 60.28N–.03 151.33W–.05 67–2 4.2L,4.1
AEIC IX 11 05 58 44.0–1.2 60.29N–.03 151.32W–.05 60–6 4.2L,4.1
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.69 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$0.32 $M_{r\theta}$0.01 $M_{\theta\phi}$1.13 $M_{\phi r}$1.10 NP1:ϕ_s82.64000°,δ50.03000°,λ23.10000°. NP2:ϕ_s337.31000°,δ72.50000°,λ137.66000°. Principal axes: T 1.8393,Plg42.0000°,Azm292.0000°; N -0.0448,Plg45.0000°,Azm139.0000°; P -1.7946,Plg14.0000°,Azm35.0000° $M_0$1.82000×10^{15}
AEIC Event type se. hypocenter. manual.
ISC XI 01 16 29 48.1–.79 60.19N–.03 151.66W–.03 72–6 4.0b 159 0-58
IDC XI 01 16 29 47.4–2.0 60.17N 151.76W 63–33 3.9,3.8b **¶621246753**
NEIC XI 01 16 29 48.4–1.0 60.21N–.03 151.67W–.06 69–3 3.7L,3.4L
AEIC XI 01 16 29 49.3–.78 60.23N–.02 151.68W–.04 66–6 3.7L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XII 23 03 28 02.3–.39 60.81N–.03 151.27W–.06 71–2 2.6L,2.3L
AEIC XII 23 03 28 03.2–.46 60.82N–.03 151.27W–.04 69–7 2.6L,2.3L **¶621648331**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 10 05 31 49.1–1.2 60.34N–.03 151.78W–.03 72–8 196 0-11
NEIC IX 10 05 31 49.1–1.2 60.34N–.03 151.80W–.05 71–6 3.5L,3.3L **¶621309577**
AEIC IX 10 05 31 50.0–1.0 60.35N–.02 151.77W–.04 66–5 3.5L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 22 02 39 45.8–1.2 60.33N–.02 150.24W–.02 42–9 174 0-8
NEIC X 22 02 39 45.7–1.2 60.33N–.01 150.22W–.06 44–9 3.6L,3.4L **¶621236059**
AEIC X 22 02 39 46.3–1.1 60.35N–.02 150.25W–.07 41–7 3.6L,3.4L

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 16 17 47 22.0–.31 60.12N–.03 151.48W–.02 60–2 4.9b,3.5s 795 0-163
GFZ X 16 17 47 17.3–.26 60N–4.0 152W–5.0 10 5.3L,5.1b **¶621204679**
NEIC X 16 17 47 22.4–1.8 60.12N–.02 151.52W–.05 61–1 4.9L,4.9b
IDC X 16 17 47 23.0–.47 60.29N 151.68W 63–2 4.6,4.3b
NEIC X 16 17 47 22.4 60.12N 151.53W 60 4.6,4.3b
AEIC X 16 17 47 23.5–2.0 60.13N–.02 151.50W–.05 54–4 4.6,4.3b
BGR X 16 17 47 27.8 60.82N 151.46W 68–0 5.1b,4.3b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=3.4km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-5.71 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$5.98 $M_{r\theta}$1.31 $M_{\theta\phi}$-1.50 $M_{\phi r}$5.26 NP1:ϕ_s329.67000°,δ27.88000°,λ-121.80000°. NP2:ϕ_s184.72000°,δ66.58000°,λ-74.42000°. Principal axes: T 8.1051,Plg20.0000°,Azm263.0000°; N 0.0144,Plg14.0000°,Azm358.0000°; P -8.1195,Plg65.0000°,Azm121.0000° M_o8.11000×10^{15}
IDC Error ellipse: s-maj=12.0km s-min=8.9km az=11.0.
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=3.8km s-min=3.2km az=214.0. hypocenter. manual.
BGR Event type ke.
ISC XII 08 22 18 00.3–.75 60.32N–.03 151.77W–.02 76–6 3.8b 212 0-65
IDC XII 08 22 17 59.8–1.8 60.37N 151.96W 66–22 3.6,3.4b **¶621622160**
NEIC XII 08 22 18 00.3–.90 60.32N–.03 151.77W–.05 71–7 3.4L,3.2L
AEIC XII 08 22 18 01.1–.99 60.32N–.03 151.76W–.05 70–2 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(15) Gulf of Alaska.

ISC VII 09 01 28 51.9–2.2 56.5N–.10 148.67W–.06 10 34 2-7
NEIC VII 09 01 28 52.4–1.1 56.41N–.03 148.6W–.10 10–2 3.6L,3.2L **¶622450429**
AEIC VII 09 01 28 57.2–.79 56.4N–.10 148.6W–.10 12–8 3.6L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 11 10 54 46.4–.99 56.18N–.09 149.16W–.06 10 144 2-51
NEIC VII 11 10 54 45.7–1.8 56.02N–.08 149.1W–.10 10–2 3.9L,3.6L **¶620928422**
IDC VII 11 10 54 47.7–2.0 56.18N 149.22W 0 3.7,3.5L
AEIC VII 11 10 54 51.1–1.5 56.05N–.09 149.2W–.10 12–7 3.7,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 16 19 10 40.6–.76 56.38N–.08 148.76W–.05 10 3.9b 129 3-146
NEIC VII 16 19 10 38.9–1.6 56.29N–.09 148.6W–.10 10–2 4.0L **¶620832802**
IDC VII 16 19 10 40.7–1.1 56.27N 149.02W 0 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.6km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=14.7km az=0.0.
ISC VII 16 19 12 19.5–1.1 56.48N–.08 148.62W–.05 10 3.5s 90 3-83
NEIC VII 16 19 12 18.5–2.0 56.43N–.09 148.54W–.10 10–2 3.9L,3.3L **¶620832797**
IDC VII 16 19 12 19.9–3.0 56.40N 148.69W 0 3.9,3.7b
AEIC VII 16 19 12 24.4–4.2 56.4N–.10 148.8W–.10 10–8 3.9,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 16 20 01 34.4–.56 56.45N–.07 148.74W–.04 10 4.0b,3.6s 194 2-146
IDC VII 16 20 01 33.9–.78 56.26N 148.97W 0 3.8b,3.8 **¶620833024**
NEIC VII 16 20 01 34.2–1.2 56.50N–.06 148.69W–.09 17–5 4.0b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 27 20 01 45.6–.85 56.05N–.08 149.19W–.05 10 3.9b,3.3s 175 3-143
IDC VII 27 20 01 44.5–1.4 55.86N 149.14W 0 3.6b,3.6 **¶620857172**
NEIC VII 27 20 01 46.6–1.2 56.0N–.10 149.3W–.10 20–11 3.8L,3.6L
AEIC VII 27 20 01 51.0–1.7 56.0N–.10 149.21W–.07 11–9 3.8L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 23 19 28 49.8–.74 56.46N–.07 148.78W–.05 10 4.0b,3.2s 186 2-146
IDC VIII 23 19 28 48.8–1.1 56.30N 148.91W 0 3.7b,3.7 **¶621001057**
NEIC VIII 23 19 28 50.1–1.0 56.44N–.08 148.82W–.01 10–1 4.0b,3.9L
AEIC VIII 23 19 28 54.8–1.1 56.43N–.09 148.8W–.10 11–5 4.0b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 13 04 06 50.2–1.8 56.07N–.08 149.8W–.10 10–2 3.5L,3.4L
AEIC VIII 13 04 06 54.9–1.7 56.02N–.09 149.8W–.10 27–8 3.5L,3.4L **¶620984723**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 28 21 52 42.4–1.4 56.0N–.10 149.8W–.10 10–8 3.2L,3.1L
AEIC VIII 28 21 52 47.7–2.4 56.1N–.10 149.7W–.10 11–8 3.2L,3.1L **¶621009879**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 23 13 07 44.0–1.0 56.1N–.10 148.54W–.10 10–2 3.6b,3.2L
AEIC VIII 23 13 07 51.1–.77 56.3N–.10 148.6W–.10 3–7 3.6b,3.2L **¶621000831**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 27 01 22 56.7–.84 55.59N–.07 149.17W–.05 10 3.9b,3.2s 179 3-145
IDC IX 27 01 22 55.1–1.3 55.37N 149.22W 0 3.8b,3.7 **¶621110564**
NEIC IX 27 01 22 55.7–1.7 55.56N–.07 149.1W–.10 7–5 3.8L,3.8L
AEIC IX 27 01 22 59.0–1.9 55.5N–.10 149.0W–.10 6–7 3.8L,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 11 06 47 36.7–1.2 56.6N–.10 148.66W–.06 10 3.8b 160 2-69
IDC XII 11 06 47 34.0–3.0 56.30N 148.77W 0 3.7b,3.6 **¶621627331**
NEIC XII 11 06 47 34.2–1.4 56.39N–.09 148.7W–.10 10–2 3.8L,3.7b
AEIC XII 11 06 47 39.7–1.3 56.48N–.09 148.6W–.10 6–7 3.8L,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 29 09 19 04.1–.76 56.38N–.06 149.22W–.04 10 119 2-72
NEIC X 29 09 19 04.2–1.3 56.33N–.08 149.19W–.10 10–1 3.9b,3.7L **¶621243474**
AEIC X 29 09 19 11.1–1.5 56.44N–.05 149.3W–.10 11–4 3.9b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 23 07 17 29.3–.65 56.31N–.06 148.79W–.05 10 4.0b,3.9s 187 3-146
NEIC XI 23 07 17 29.1–1.6 56.28N–.07 148.8W–.10 10–1 4.1b,4.1L **¶621448782**
IDC XI 23 07 17 29.5–1.1 56.29N 148.84W 0 3.9b,3.9
AEIC XI 23 07 17 33.9–1.6 56.29N–.08 148.8W–.10 10–5 3.9b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 10 21 38 21.5–4.2 56.31N–.07 149.49W–.05 15–29 3.9b,3.6s 220 2-83
NEIC XI 10 21 38 20.8–1.3 56.24N–.08 149.40W–.09 19–5 3.8L,3.7L **¶621392736**
IDC XI 10 21 38 20.7–1.2 56.24N 149.75W 0 3.8,3.7b
AEIC XI 10 21 38 23.8–1.4 56.17N–.07 149.32W–.10 12–5 3.8,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC X 10 01 21 22.6–1.2 56.58N–.08 149.57W–.08 10–2 3.4L,3.2L
AEIC X 10 01 21 26.0–1.5 56.5N–.10 149.4W–.10 11–9 3.4L,3.2L **¶621144070**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC X 19 18 17 19.3–1.5 58.92N–.04 142.86W–.04 10–9 4.2b 244 1-149
NEIC X 19 18 17 18.7–1.3 58.88N–.04 142.83W–.07 10–1 4.3b,3.9L **¶621217279**
IDC X 19 18 17 18.4–.66 59.03N 142.85W 0 4.1L,3.9b
AEIC X 19 18 17 23.2–1.2 58.91N–.04 142.87W–.08 3–2 4.1L,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC XII 11 08 27 25.9–.93 55.9N–.10 149.3W–.10 8–8 3.5L,3.4L
AEIC XII 11 08 27 28.8–1.9 55.7N–.10 149.3W–.10 10–9 3.5L,3.4L **¶622512118**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(16) South of Aleutian Islands.

KRSC XI 02 08 44 53.4–2.1 52.97N 168.43E 57–85 3.8L
¶621256495
KRSC Event type se.
ISC XII 19 06 42 52.7–3.0 52.21N–.08 165.89W–.05 6–18 3.6b 76 2-72
IDC XII 19 06 42 50.8–1.4 51.83N 165.97W 0 3.6b,3.6 **¶621657061**
NEIC XII 19 06 42 52.9–1.1 52.17N–.03 165.92W–.05 10–2 3.5b,3.4L
AEIC XII 19 06 42 53.2–1.4 52.06N–.09 165.98W–.10 26–6 3.5b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(17) South of Alaska.

ISC VII 06 21 34 53.2–1.4 54.55N–.09 159.65W–.05 30–8 3.9b 98 0-84
AEIC VII 06 21 34 51.4–1.6 54.42N–.06 159.67W–.08 20–6 3.9b **¶620928060**
NEIC VII 06 21 34 52.9–1.5 54.52N–.05 159.72W–.05 29–7 4.0b,3.5L
IDC VII 06 21 34 58.8–5.6 55.08N 159.38W 56–47 3.8,3.5b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=154.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.1km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.7km s-min=22.8km az=20.0.
ISC VII 22 13 12 33.5–.52 53.66N–.08 162.82W–.05 32 4.4b,4.0s 111 1-143
IDC VII 22 13 12 29.1–.66 53.74N 162.96W 0 4.2b,4.2 **¶620845122**
NEIC VII 22 13 12 29.7–1.6 53.51N–.09 162.80W–.09 10–1 4.4b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 07 21 11.1–.96 55.55N–.09 156.57W–.05 10 4.0b 52 1-83
AEIC VII 29 07 21 11.3–2.0 55.50N–.07 156.64W–.10 25–8 4.0b **¶620984059**
NEIC VII 29 07 21 11.6–1.3 55.44N–.07 156.56W–.04 35–2 3.9L,3.9L
IDC VII 29 07 21 13.8–1.4 56.16N 156.77W 0 3.8b,3.7
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.9km az=151.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=3.1km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.5km s-min=15.5km az=159.0.
ISC VII 29 07 22 11.7–3.4 55.46N–.06 156.96W–.05 32–25 4.0b 131 1-74
IDC VII 29 07 22 07.7–.94 55.53N 156.98W 0 3.9L,3.8b **¶620984062**
AEIC VII 29 07 22 12.0–1.6 55.43N–.05 156.99W–.08 34–5 3.9L,3.8b
NEIC VII 29 07 22 11.0–1.3 55.41N–.05 157.02W–.09 28–5 4.4b,4.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 07 29 39.5–1.1 55.34N–.09 156.22W–.05 10 3.6b 71 2-74
NEIC VII 29 07 29 38.8–1.1 55.23N–.08 156.1W–.10 33–16 3.5L,3.5L **¶620984064**
AEIC VII 29 07 29 39.8–1.4 55.24N–.05 156.2W–.10 40–10 3.5L,3.5L
IDC VII 29 07 29 44.9–1.7 56.14N 156.51W 0 3.4b,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=6.7km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.2km s-min=3.0km az=128.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.7km s-min=17.4km az=159.0.
ISC VII 29 07 31 14.4–.47 55.29N–.06 156.80W–.04 20 4.5b 196 1-98
IDC VII 29 07 31 11.8–.67 55.39N 157.05W 0 4.3b,4.3 **¶620984068**
NEIC VII 29 07 31 13.8–1.2 55.21N–.04 156.76W–.05 21–3 4.7b,4.5L
AEIC VII 29 07 31 14.6–1.3 55.17N–.02 156.72W–.07 20–5 4.7b,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 07 38 59.2–1.2 55.14N–.07 156.89W–.06 20–8 3.5L,3.1L
AEIC VII 29 07 38 58.8–1.0 55.13N–.09 156.8W–.10 7–8 3.5L,3.1L **¶622450843**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 07 44 20.7–1.2 54.99N–.04 157.83W–.05 32–5 2.8L,2.8L
AEIC VII 29 07 44 18.6–1.0 54.82N–.08 157.6W–.10 40–10 2.8L,2.8L **¶622450849**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 07 46 33.7–1.8 54.78N–.05 158.21W–.10 20–6 3.9b,3.8L
AEIC VII 29 07 46 36.4–2.8 54.90N–.06 158.37W–.05 10–5 3.9b,3.8L **¶622450850**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 07 54 34.1–1.7 55.64N–.06 156.58W–.03 5–11 3.7b 121 1-63
IDC VII 29 07 54 33.3–1.4 55.81N 157.01W 0 3.7L,3.7 **¶620984071**
NEIC VII 29 07 54 37.5–1.2 55.59N–.05 156.53W–.08 35–2 3.8L,3.7L
AEIC VII 29 07 54 38.1–1.4 55.62N–.04 156.56W–.05 24–8 3.8L,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 08 05 28.9–1.9 54.95N–.07 158.08W–.10 19–9 3.1L,2.7L
AEIC VII 29 08 05 33.6–3.1 55.07N–.07 158.43W–.07 10–7 3.1L,2.7L **¶622450853**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 08 06 39.1–1.2 55.38N–.02 156.92W–.10 35–2 3.3L,3.0L
AEIC VII 29 08 06 38.6–.67 55.30N–.06 156.8W–.10 24–8 3.3L,3.0L **¶622450854**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 08 13 35.9–1.1 54.83N–.08 156.6W–.10 10–2 3.5L

¶622450861
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 08 15 17.1–3.2 55.35N–.07 156.86W–.04 12–22 3.7b 95 1-71
NEIC VII 29 08 15 19.6–1.6 55.33N–.06 156.90W–.08 31–5 4.4L,4.3b ¶620857947
AEIC VII 29 08 15 19.5–1.8 55.32N–.06 156.86W–.08 18–5 4.4L,4.3b
IDC VII 29 08 15 20.5–1.2 55.43N 156.13W 0 3.8L,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.1km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.2km az=164.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=18.5km az=1.0.
ISC VII 29 08 15 48.6–2.1 55.32N–.06 157.00W–.04 32–15 4.2b 145 1-145
IDC VII 29 08 15 44.0–.74 55.33N 157.21W 0 4.1b,4.1 ¶620984081
AEIC VII 29 08 15 48.1–2.5 55.30N–.05 156.81W–.08 28–5 4.1b,4.1
NEIC VII 29 08 15 49.4–1.7 55.31N–.05 156.98W–.08 34–6 4.5b,4.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 08 17 15.9–1.0 54.73N–.08 157.84W–.07 35 3.8b 40 1-67
IDC VII 29 08 17 12.7–1.4 55.03N 158.38W 0 4.3L,3.8 ¶620984083
NEIC VII 29 08 17 14.0–1.3 54.63N–.06 157.65W–.05 32–8 3.9L,3.4L
AEIC VII 29 08 17 16.2–2.6 54.83N–.07 157.80W–.06 3–7 3.9L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 08 25 20.2–.41 55.55N–.05 156.17W–.03 19 4.4b 269 1-145
IDC VII 29 08 25 18.0–.61 55.63N 156.41W 0 4.1b,4.1 ¶622450864
NEIC VII 29 08 25 19.8–1.5 55.51N–.04 156.20W–.05 16–4 4.7b,4.5L
AEIC VII 29 08 25 21.1–1.4 55.47N–.05 156.07W–.08 23–5 4.7b,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 06 27 01.6–1.2 55.25N–.04 156.75W–.07 27–10 5.1b,4.3L
AEIC VII 29 06 27 02.0–1.3 55.23N–.07 156.69W–.09 20–6 5.1b,4.3L ¶622450818
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 08 32 47.8–.58 55.42N–.06 156.41W–.05 10 3.8b 162 1-75
IDC VII 29 08 32 46.2–.95 55.53N 156.78W 0 4.0L,3.6b ¶620929502
AEIC VII 29 08 32 49.4–1.7 55.45N–.05 156.38W–.06 6–5 4.0L,3.6b
NEIC VII 29 08 32 50.5–1.6 55.42N–.05 156.37W–.08 33–7 4.1b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 29 08 34 16.2–1.9 55.28N–.05 156.26W–.07 34–13 3.5L,3.3L
AEIC VII 29 08 34 19.8–2.3 55.17N–.09 156.7W–.10 23–8 3.5L,3.3L ¶622450867
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 09 07 55.2–1.5 54.89N–.06 158.02W–.07 26–6 3.6L,3.3L
AEIC VII 29 09 07 54.8–2.1 54.87N–.08 157.8W–.10 28–9 3.6L,3.3L ¶622450877
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 09 13 04.0–1.5 55.18N–.05 155.63W–.07 20–11 3.2L,3.1L
AEIC VII 29 09 13 04.7–2.0 55.09N–.09 155.73W–.09 20–8 3.2L,3.1L ¶622450878
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 11 56 02.4–.81 55.44N–.06 156.81W–.04 20 46 1-145
NEIC VII 29 11 56 02.1–1.9 55.28N–.07 156.64W–.09 33–9 3.4L,3.2L ¶622450906
IDC VII 29 11 56 03.2–4.9 55.86N 157.59W 35–36 3.6L,3.4
AEIC VII 29 11 56 04.8–1.6 55.40N–.07 156.90W–.09 26–7 3.6L,3.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 09 17 03.0–1.9 54.59N–.09 156.8W–.10 31–13 3.6L,3.4L
AEIC VII 29 09 17 06.3–1.4 54.75N–.05 157.0W–.10 37–9 3.6L,3.4L ¶622450880
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 06 32 33.1–.47 55.28N–.04 156.82W–.03 14–2 5.7b 1274 1-158
MOS VII 29 06 32 30.9–.87 55.39N 156.78W 11 6.0b ¶622450820
NEIC VII 29 06 32 32.0–1.1 55.20N–.03 156.77W–.07 10–1 5.7b,5.5L
IDC VII 29 06 32 31.8–.52 55.47N 156.98W 0 5.6b,5.5
BJI VII 29 06 32 31.2 55.12N 157.10W 19 5.8b,5.5
AEIC VII 29 06 32 33.4–1.4 55.26N–.03 156.77W–.04 3–3 5.8b,5.5
GFZ VII 29 06 32 35.2–.20 55N–4.0 157W–3.0 18 7.8,5.8b
BGR VII 29 06 32 38.1 55.46N 158.03W 33 5.5b,5.8b
ISC Event type ke.
MOS Error ellipse: s-maj=10.0km s-min=6.1km az=84.5.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.8km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.0km s-min=8.3km az=156.0.
AEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.8km az=155.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
ISC VII 29 06 37 02.9–.60 55.63N–.09 156.82W–.05 35 4.3b 122 1-145
IDC VII 29 06 36 58.3–.92 55.71N 157.04W 0 4.3b,4.3 ¶622450823
NEIC VII 29 06 37 01.7–1.7 55.61N–.06 156.72W–.08 24–6 4.6b,4.2L
AEIC VII 29 06 37 05.3–2.4 55.74N–.06 156.88W–.09 46–6 4.6b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 06 38 22.7–.47 55.37N–.06 156.89W–.04 20 4.7b 155 1-145
NEIC VII 29 06 38 21.2–1.1 55.31N–.06 156.86W–.06 10–1 5.1b,4.5L ¶620984045
IDC VII 29 06 38 21.0–.74 55.56N 157.11W 0 4.5b,4.5
AEIC VII 29 06 38 24.7–2.4 55.26N–.07 156.94W–.09 38–6 4.5b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 12 23 28.6–.64 55.57N–.07 156.77W–.04 20 3.6b 92 1-145
IDC VII 29 12 23 25.6–.86 55.69N 157.15W 0 3.6b,3.6 ¶620984106
NEIC VII 29 12 23 27.7–1.9 55.56N–.05 156.79W–.07 10–1 3.6L,3.5L
AEIC VII 29 12 23 30.2–2.1 55.58N–.05 156.83W–.08 11–4 3.6L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 06 42 41.8–.72 55.79N–.09 155.33W–.06 10 4.1b 82 2-65
IDC VII 29 06 42 40.5–1.1 55.65N 155.08W 0 4.1b,4.0 ¶620984050
NEIC VII 29 06 42 41.2–1.1 55.84N–.09 155.38W–.02 10–2 4.3b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 29 06 43 11.7–1.1 55.46N–.05 157.00W–.09 34–11 4.3b,4.2L
AEIC VII 29 06 43 13.0–1.1 55.47N–.06 157.03W–.06 24–7 4.3b,4.2L ¶620984051
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 09 26 08.0–1.1 55.44N–.04 155.9W–.10 35–2 3.3L,3.0L
AEIC VII 29 09 26 09.5–1.1 55.54N–.08 155.97W–.08 39–10 3.3L,3.0L ¶622450881
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 12 32 06.4–2.1 55.67N–.07 156.56W–.05 31–15 3.9b 149 1-145
IDC VII 29 12 32 02.5–.80 55.87N 156.95W 0 3.8b,3.8 ¶620984108
AEIC VII 29 12 32 06.7–1.3 55.61N–.06 156.58W–.07 25–5 3.8b,3.8
NEIC VII 29 12 32 06.9–1.1 55.64N–.06 156.59W–.09 38–9 4.2b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 12 51 50.5–.89 54.92N–.09 158.24W–.04 10 3.9b 78 1-67
IDC VII 29 12 51 49.7–1.4 55.28N 158.77W 0 3.8L,3.7b ¶620984110
NEIC VII 29 12 51 50.5–1.7 54.84N–.06 158.24W–.03 10–1 3.5L,3.4L
AEIC VII 29 12 51 51.3–1.7 54.82N–.07 158.24W–.06 5–5 3.5L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 10 15 60.0–1.1 54.85N–.06 158.36W–.05 19–7 3.4L,3.3L
AEIC VII 29 10 16 01.3–1.3 54.83N–.06 158.32W–.07 25–8 3.4L,3.3L ¶622450890
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 06 44 03.5–.75 55.4N–.10 155.44W–.06 10 4.3b 83 2-84
NEIC VII 29 06 44 01.9–.84 55.31N–.10 155.40W–.09 10–1 4.7b,4.2L ¶621112318
IDC VII 29 06 44 03.0–.93 55.49N 155.56W 0 4.2b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=6.0km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.2km s-min=13.2km az=152.0.
ISC VII 29 13 14 47.7–1.4 55.00N–.04 157.72W–.03 2–8 4.1b 156 1-145
IDC VII 29 13 14 49.0–.73 55.30N 157.98W 0 3.9L,3.9b ¶620968018
AEIC VII 29 13 14 50.8–1.4 54.88N–.05 157.63W–.10 25–6 3.9L,3.9b
NEIC VII 29 13 14 50.5–1.8 54.89N–.06 157.73W–.09 30–6 4.3b,4.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 10 22 17.5–1.7 55.45N–.08 156.91W–.05 29–16 67 1-46
IDC VII 29 10 22 15.5–3.1 55.44N 156.79W 0 3.2L,3.2 ¶620984096
NEIC VII 29 10 22 16.7–1.5 55.39N–.06 156.88W–.06 32–11 3.3L,3.2L
AEIC VII 29 10 22 17.0–1.6 55.46N–.05 156.8W–.10 15–7 3.3L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 13 17 49.1–1.1 55.74N–.05 156.03W–.04 29–7 4.7b 304 1-146
IDC VII 29 13 17 45.4–.59 55.88N 156.20W 0 4.4b,4.4 ¶620878556
NEIC VII 29 13 17 49.7–1.4 55.70N–.07 156.00W–.04 40–7 4.8b,4.7L
AEIC VII 29 13 17 50.0–1.8 55.72N–.06 155.98W–.09 28–3 4.8b,4.7L
GFZ VII 29 13 17 55.8–.29 56N–5.0 157W–3.0 42 5.1,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC VII 29 06 50 07.0–.62 55.26N–.09 156.4W–.10 10–2 3.8L,3.7L
AEIC VII 29 06 50 08.6–.78 55.24N–.08 156.4W–.10 11–8 3.8L,3.7L ¶622450826
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 13 30 12.3–.58 55.46N–.06 155.59W–.05 20–4 3.9b 127 2-145
IDC VII 29 13 30 08.7–.78 55.44N 155.77W 0 3.7b,3.6 ¶620984115
AEIC VII 29 13 30 12.7–2.0 55.54N–.07 155.7W–.10 7–5 3.7b,3.6
NEIC VII 29 13 30 13.4–2.2 55.59N–.06 155.78W–.07 19–6 4.2b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 06 53 26.3–.73 55.49N–.07 156.74W–.05 37–1 4.1b 171 1-145
IDC VII 29 06 53 23.0–.73 55.83N 157.46W 0 4.2b,4.1 ¶620984053
NEIC VII 29 06 53 25.1–1.2 55.49N–.04 156.70W–.04 21–7 4.2L,4.2L
AEIC VII 29 06 53 27.2–1.2 55.44N–.06 156.71W–.09 42–8 4.2L,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 14 02 03.2–.99 55.09N–.09 156.37W–.05 22 3.7b 75 2-67
IDC VII 29 14 02 01.3–1.5 55.19N 156.48W 0 3.6b,3.5 ¶620984117
NEIC VII 29 14 02 03.6–1.2 54.99N–.09 156.4W–.10 33–13 3.4L,3.3L
AEIC VII 29 14 02 04.1–1.3 55.02N–.08 156.5W–.10 20–8 3.4L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 06 58 50.1–.67 55.48N–.07 156.39W–.04 10 3.9b 74 1-74
IDC VII 29 06 58 50.1–1.3 55.30N 155.98W 0 4.0,3.9b ¶620984055
AEIC VII 29 06 58 52.0–2.0 55.49N–.06 156.35W–.08 27–6 4.0,3.9b
NEIC VII 29 06 58 51.2–1.1 55.47N–.04 156.44W–.07 24–7 3.9L,3.9b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 09 44 33.2–1.6 55.7N–.10 155.77W–.07 19 45 2-45
IDC VII 29 09 44 31.1–2.7 56.17N 156.73W 0 3.6L,3.2 ¶620984090
NEIC VII 29 09 44 34.9–2.6 55.54N–.09 155.8W–.10 35–2 3.3L,3.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 10 26 55.5–.53 54.89N–.06 157.04W–.04 24 4.3b 157 1-85
IDC VII 29 10 26 52.4–.75 54.89N 157.16W 0 4.2b,4.2 ¶620859564
AEIC VII 29 10 26 53.8–2.3 54.67N–.06 156.90W–.09 24–5 4.2b,4.2
NEIC VII 29 10 26 54.4–1.4 54.80N–.06 157.07W–.09 18–5 4.5b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 29 14 07 41.7–1.2 54.62N–.08 156.8W–.10 32–14 3.6L,3.4L
AEIC VII 29 14 07 42.5–.96 54.65N–.08 156.8W–.10 25–8 3.6L,3.4L ¶620984121
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 09 52 13.0–2.9 55.43N–.06 156.39W–.04 13–18 4.0b 155 1-145
IDC VII 29 09 52 11.5–.89 55.55N 156.58W 0 3.9L,3.8b ¶620984091
AEIC VII 29 09 52 14.8–1.2 55.40N–.06 156.31W–.08 17–5 3.9L,3.8b
NEIC VII 29 09 52 15.4–1.2 55.47N–.05 156.38W–.09 29–5 4.6L,4.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 14 15 51.3–1.0 55.58N–.07 155.68W–.05 10 3.6b 67 2-67
AEIC VII 29 14 15 50.1–1.4 55.30N–.06 155.63W–.09 37–10 3.6b ¶620984122
NEIC VII 29 14 15 50.3–2.1 55.52N–.07 155.81W–.08 15–12 3.2L,3.0L
IDC VII 29 14 15 52.4–1.7 55.56N 155.40W 0 3.4b,3.3
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.6km az=203.0. hypocenter. manual.

NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.0km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.2km s-min=17.6km az=131.0.
NEIC VII 29 07 13 02.8–1.8 55.30N–.07 156.74W–.07 13–10 3.6L,3.3L
AEIC VII 29 07 13 02.8–2.3 55.28N–.07 156.72W–.08 4–4 3.6L,3.3L **¶622450834**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 14 56 20.5–.84 55.47N–.07 156.24W–.10 35–2 2.8L,2.6L
AEIC VII 29 14 56 21.0–.82 55.48N–.07 156.3W–.10 34–8 2.8L,2.6L **¶622450935**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 07 15 46.8–.80 55.40N–.07 156.39W–.04 10 3.5b 110 1-45
NEIC VII 29 07 15 47.0–1.4 55.31N–.07 156.35W–.09 27–11 3.5L,3.5L **¶620984057**
AEIC VII 29 07 15 46.8–1.4 55.32N–.05 156.36W–.06 14–6 3.5L,3.5L
IDC VII 29 07 15 47.1–1.4 55.39N 156.29W 0 3.4b,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.9km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.9km az=184.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.2km s-min=16.1km az=121.0.
ISC VII 29 09 55 19.3–.48 55.30N–.08 155.64W–.05 10 4.8b 151 2-148
IDC VII 29 09 55 17.6–.61 55.22N 155.85W 0 5.6s,4.4b **¶620859562**
NEIC VII 29 09 55 19.7–1.4 55.37N–.09 155.55W–.10 10–1 4.8b,4.5L
GFZ VII 29 09 55 20.2–.48 55N–10 156W–6.0 10 5.5,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 29 10 37 56.0–1.1 55.16N–.09 156.70W–.05 22 3.9b 94 1-85
NEIC VII 29 10 37 55.3–1.7 55.25N–.04 156.80W–.08 10–2 3.5L,3.4L **¶620984098**
AEIC VII 29 10 37 56.1–1.7 55.14N–.06 156.70W–.09 17–6 3.5L,3.4L
IDC VII 29 10 37 57.5–1.4 56.31N 157.70W 0 3.8b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=3.5km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.3km az=152.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.2km s-min=14.0km az=160.0.
NEIC VII 29 17 27 13.5–1.2 55.56N–.04 155.2W–.10 15–9 4.2L
¶620968015
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 17 27 51.4–1.3 55.59N–.05 156.83W–.03 20–6 4.4b 281 1-145
IDC VII 29 17 27 48.9–.67 55.66N 157.03W 0 4.1b,4.1 **¶622450958**
AEIC VII 29 17 27 53.0–1.5 55.50N–.06 156.68W–.08 24–4 4.1b,4.1
NEIC VII 29 17 27 53.2–1.9 55.61N–.05 156.81W–.06 32–4 4.5b,4.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 20 30 33.8–.33 55.47N–.04 156.96W–.03 31–1 5.2s,5.0b 826 1-160
IDC VII 29 20 30 30.2–.43 55.59N 157.15W 0 4.8b,4.8 **¶620882986**
BJI VII 29 20 30 30.0 55.50N 157.00W 31 5.5s,5.3b
NEIC VII 29 20 30 31.9–1.3 55.37N–.05 156.91W–.06 23–4 5.1L,5.0b
NEIC VII 29 20 30 32.3 55.37N 156.93W 25 5.1L,5.0b
AEIC VII 29 20 30 34.1–1.4 55.36N–.05 156.85W–.08 29–4 5.1L,5.0b
GFZ VII 29 20 30 34.3–.15 56N–3.0 157W–2.0 24 5.1b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.33 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-0.12 $M_{r\theta}$0.97 $M_{\theta\phi}$0.02 $M_{\phi r}$0.69 NP1:ϕ_s55.38000°,δ84.08000°,λ87.65000°. NP2:ϕ_s257.05000°,δ6.37000°,λ111.55000°. Principal axes: T 1.2938,Plg51.0000°,Azm323.0000°; N -0.1650,Plg2.0000°,Azm56.0000°; P -1.1288,Plg39.0000°,Azm148.0000° M_o1.22000×10^{16}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 29 14 57 48.8–2.0 55.27N–.07 155.61W–.05 16–12 4.0b 150 2-145
IDC VII 29 14 57 44.3–1.5 54.83N 155.60W 0 3.9b,3.9 **¶620984123**
AEIC VII 29 14 57 49.1–1.6 55.11N–.08 155.6W–.10 20–7 3.9b,3.9
NEIC VII 29 14 57 50.0–1.0 55.16N–.07 155.64W–.10 29–10 3.8L,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 09 58 25.3–.46 55.22N–.06 155.63W–.04 10 4.5b 126 2-159
NEIC VII 29 09 58 23.7–1.4 55.13N–.05 155.63W–.06 4–3 4.5b,4.3L **¶620925349**
IDC VII 29 09 58 24.3–.63 55.24N 155.76W 0 4.2b,4.2
AEIC VII 29 09 58 27.7–1.7 55.08N–.08 155.59W–.10 7–4 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 20 32 41.3–.33 55.27N–.03 156.84W–.02 16–1 5.5b,5.1s 1661 1-164
BJI VII 29 20 32 37.0 55.20N 156.80W 15 5.7b,5.5s **¶622450981**
IDC VII 29 20 32 39.6–.35 55.35N 157.08W 0 5.5b,5.4
MOS VII 29 20 32 39.3–.91 55.45N 156.99W 8 5.9b,5.0s
NEIC VII 29 20 32 40.1–1.9 55.23N–.05 156.79W–.06 8–3 5.5L,5.5b
NEIC VII 29 20 32 41.5 55.23N 156.79W 18 5.5L,5.5b
AEIC VII 29 20 32 43.0–1.9 55.22N–.06 156.76W–.08 21–3 5.5L,5.5b
GFZ VII 29 20 32 44.6–.12 55N–3.0 157W–2.0 30 5.9b,5.6b
GFZ VII 29 20 32 44.6 55.34N 157.05W 34 5.5W,5.6b
GCMT VII 29 20 32 46.2–.30 55.27N–.02 156.87W–.04 20–1 5.5W,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.30 $M_{\theta\theta}$-1.37 $M_{\phi\phi}$0.07 $M_{r\theta}$1.49 $M_{\theta\phi}$-0.15 $M_{\phi r}$0.95 NP1:ϕ_s63.60000°,δ72.23000°,λ76.49000°. NP2:ϕ_s281.80000°,δ22.19000°,λ126.08000°. Principal axes: T 2.2724,Plg61.0000°,Azm314.0000°; N -0.1107,Plg13.0000°,Azm68.0000°; P -2.1616,Plg26.0000°,Azm164.0000° M_o2.22000×10^{17}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.91 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-0.20 $M_{r\theta}$1.66 $M_{\theta\phi}$-0.39 $M_{\phi r}$0.93 NP1:ϕ_s60.70316°,δ77.13817°,λ89.74494°. NP2:ϕ_s241.84885°,δ12.86431°,λ91.11694°. Principal axes: T 2.1015,Plg57.8611°,Azm330.3641°; N 0.0124,Plg0.2487°,Azm60.7599°; P -2.1140,Plg32.1377°,Azm150.9162° M_o2.10780×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107292032A. Moment Tensor Solution. s42,c45; s101,c140; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35±.10 $M_{\theta\theta}$-0.86±.06; $M_{\phi\phi}$-0.48±.06; $M_{r\theta}$1.56±.16; $M_{\theta\phi}$-0.59±.03; $M_{\phi r}$0.10±.11; Best double couple: NP1:ϕ_s219.00000°,δ24.00000°,λ55.00000°. NP2:ϕ_s77.00000°,δ71.00000°,λ105.00000°. Principal axes: T 2.1700,Plg62.0000°,Azm9.0000°; N -0.2650,Plg14.0000°,Azm252.0000°; P -1.9000,Plg24.0000°,Azm156.0000° M_o2.03500×10^{17}
ISC VII 29 21 00 05.7–.74 54.96N–.05 158.05W–.03 26–5 4.7b,4.7s 430 1-161
IDC VII 29 21 00 02.1–.51 55.09N 158.26W 0 4.7s,4.4b **¶620882991**
BJI VII 29 21 00 03.0 55.00N 158.10W 30 5.2b,5.1s
NEIC VII 29 21 00 04.8–1.6 54.92N–.03 158.08W–.07 23–4 4.9L,4.7b
AEIC VII 29 21 00 04.7–2.1 54.95N–.04 158.02W–.06 2–3 4.9L,4.7b
GFZ VII 29 21 00 05.9–.24 55N–5.0 158W–3.0 10 4.8b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 29 21 17 43.8–2.8 55.49N–.07 155.76W–.05 23–13 4.4s,4.0b 173 2-135
IDC VII 29 21 17 41.1–1.1 55.57N 156.14W 0 4.2s,3.8b **¶620984140**
NEIC VII 29 21 17 41.1–.99 55.41N–.09 155.7W–.10 14–3 4.2b,3.7L
AEIC VII 29 21 17 44.2–1.6 55.45N–.07 155.72W–.10 40–7 4.2b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 15 13 14.4–2.7 55.34N–.06 156.90W–.04 13–18 3.7b 177 1-145
IDC VII 29 15 13 13.6–1.1 55.23N 156.59W 0 3.6b,3.5 **¶620984124**
NEIC VII 29 15 13 13.9–1.4 55.30N–.03 156.94W–.07 10–2 3.8L,3.6L
AEIC VII 29 15 13 16.4–1.6 55.27N–.05 156.86W–.09 23–8 3.8L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 21 07 53.7–.79 55.17N–.07 156.96W–.05 24 3.9b 80 1-83
IDC VII 29 21 07 51.8–3.2 55.42N 157.43W 0 3.8b,3.7 **¶622450985**
NEIC VII 29 21 07 53.5–.98 55.20N–.03 157.0W–.10 21–9 3.6L,3.4L
AEIC VII 29 21 07 53.7–1.3 55.11N–.05 156.93W–.06 17–6 3.6L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 15 29 53.6–1.8 54.89N–.06 158.28W–.08 17–9 3.6L,3.2L
AEIC VII 29 15 29 56.5–1.9 54.90N–.06 158.31W–.08 18–7 3.6L,3.2L **¶622450942**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 19 11 29.5–.38 55.53N–.05 156.84W–.03 20 4.5b,3.6s 363 1-145
IDC VII 29 19 11 27.1–.62 55.64N 157.05W 0 4.4b,4.4 **¶620882983**
NEIC VII 29 19 11 30.2–1.7 55.50N–.04 156.79W–.04 28–4 4.5b,4.3L
AEIC VII 29 19 11 31.2–1.9 55.42N–.06 156.72W–.08 40–5 4.5b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 22 55 57.5–1.5 55.50N–.05 156.57W–.04 6–9 4.2b 176 1-145
IDC VII 29 22 55 57.0–.71 55.46N 156.75W 0 4.2L,3.9 **¶620984148**
AEIC VII 29 22 55 59.9–1.9 55.43N–.05 156.50W–.06 13–4 4.2L,3.9
NEIC VII 29 22 56 00.6–1.6 55.48N–.05 156.61W–.07 25–1 4.3b,4.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 30 01 16 16.6–1.6 54.95N–.06 157.4W–.10 35–2 2.7L,2.6L
AEIC VII 30 01 16 17.9–2.1 54.97N–.06 157.4W–.10 47–10 2.7L,2.6L **¶622451003**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 19 29 52.2–.91 55.06N–.08 156.28W–.07 22 3.9b 61 2-145
IDC VII 29 19 29 50.4–1.3 55.18N 156.66W 0 3.8b,3.8 **¶622450974**
NEIC VII 29 19 29 50.6–1.8 54.93N–.09 156.3W–.10 21–9 3.7L,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 19 52 46.4–.88 55.51N–.07 155.74W–.04 10 3.9b 86 2-85
IDC VII 29 19 52 47.3–2.6 55.87N 156.47W 0 3.7b,3.6 **¶620984136**
NEIC VII 29 19 52 48.6–.75 55.52N–.04 155.76W–.07 20–8 3.4L,3.3L
AEIC VII 29 19 52 49.8–.95 55.49N–.04 155.68W–.08 33–4 3.4L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 15 51 57.8–1.4 54.78N–.08 158.08W–.10 19–9 3.0L,2.4L
AEIC VII 29 15 52 01.0–1.9 54.84N–.06 158.20W–.09 20–8 3.0L,2.4L **¶622450943**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 16 08 01.6–.74 55.53N–.07 155.68W–.08 35–2 4.7L,4.5L
AEIC VII 29 16 08 02.4–1.2 55.53N–.08 155.8W–.10 37–10 4.7L,4.5L **¶622450946**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 16 09 09.3–.28 55.11N–.03 156.98W–.02 19–1 5.2b,5.1s 1528 1-161
NEIC VII 29 16 09 06.9–1.3 55.15N–.05 156.92W–.08 7–3 5.4L,5.3 **¶620878560**
MOS VII 29 16 09 06.1–.95 55.13N 157.06W 10 5.5b,5.0s
IDC VII 29 16 09 07.8–.45 55.37N 157.14W 0 5.0b,5.0
NEIC VII 29 16 09 07.5 55.15N 156.94W 10 5.0b,5.0
BJI VII 29 16 09 08.2 55.32N 157.62W 15 5.6s,5.5b
AEIC VII 29 16 09 11.8–1.2 55.17N–.05 156.95W–.08 36–4 5.6s,5.5b
GFZ VII 29 16 09 12.5–.24 55N–3.0 157W–2.0 30–1 5.7b,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.48 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.91 $M_{\theta\phi}$0.31 $M_{\phi r}$0.46 NP1:ϕ_s70.49000°,δ84.65000°,λ82.72000°. NP2:ϕ_s304.36000°,δ9.02000°,λ143.53000°. Principal axes: T 1.3389,Plg50.0000°,Azm333.0000°; N -0.5993,Plg7.0000°,Azm71.0000°; P -0.7396,Plg39.0000°,Azm167.0000° M_o1.16000×10^{17}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 30 01 26 30.8–1.6 55.58N–.05 155.90W–.04 1–9 4.4b,3.6s 176 2-145
IDC VII 30 01 26 30.9–.66 55.58N 156.08W 0 4.0b,4.0 **¶620968029**
AEIC VII 30 01 26 33.3–2.8 55.39N–.07 155.70W–.06 37–6 4.0b,4.0
NEIC VII 30 01 26 33.9 55.60N 155.82W 19 4.0b,4.0
NEIC VII 30 01 26 34.0–1.7 55.59N–.04 155.88W–.07 20–5 4.5b,4.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.28 $M_{\theta\theta}$1.69 $M_{\phi\phi}$0.59 $M_{r\theta}$0.03 $M_{\theta\phi}$1.02 $M_{\phi r}$0.51 NP1:ϕ_s69.05000°,δ42.30000°,λ-74.97000°. NP2:ϕ_s229.10000°,δ49.46000°,λ-103.27000°. Principal axes: T 2.3170,Plg4.0000°,Azm328.0000°; N 0.0510,Plg10.0000°,Azm238.0000°; P -2.3680,Plg79.0000°,Azm78.0000° M_o2.34000×10^{15}
ISC VII 30 02 55 47.2–1.9 55.00N–.06 156.35W–.04 4–12 4.1b 188 2-145
IDC VII 30 02 55 47.9–.76 55.22N 156.62W 0 3.9b,3.9 **¶620986036**
NEIC VII 30 02 55 47.7–1.8 54.92N–.06 156.34W–.09 13–5 4.4b,3.7L
AEIC VII 30 02 55 49.5–2.5 54.90N–.04 156.28W–.07 34–5 4.4b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 16 28 30.3–.83 55.31N–.04 156.7W–.10 4–10 3.3L,3.0L
AEIC VII 29 16 28 32.4–1.1 55.34N–.05 156.67W–.08 2–5 3.3L,3.0L **¶622450950**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 20 21 06.4–.69 55.48N–.08 156.38W–.05 10 4.0b 174 1-145
AEIC VII 29 20 21 06.8–1.4 55.38N–.06 156.31W–.08 6–4 4.0b **¶620968010**
NEIC VII 29 20 21 06.2–1.3 55.43N–.07 156.37W–.09 10–1 3.7L,3.5L
IDC VII 29 20 21 08.2–1.3 56.06N 157.14W 0 3.8b,3.8
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.1km az=153.0. hypocenter. manual.

NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.2km az=353.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.5km s-min=12.7km az=159.0.
ISC VII 30 07 24 39.4–.37 55.20N–.05 156.50W–.03 22 4.8b,3.9s 488 2-153
IDC VII 30 07 24 36.5–.56 55.16N 156.59W 0 4.7b,4.6 **¶622451034**
NEIC VII 30 07 24 36.9 55.10N 156.37W 10 4.7b,4.6
NEIC VII 30 07 24 37.6–1.5 55.14N–.06 156.44W–.05 14–4 4.8b,4.6L
GFZ VII 30 07 24 39.2–.24 55N–5.0 157W–3.0 10 4.8b,4.8
AEIC VII 30 07 24 41.7–2.4 55.22N–.06 156.57W–.08 47–6 4.8b,4.8
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-7.60 $M_{\theta\theta}$7.17 $M_{\phi\phi}$0.43 $M_{r\theta}$3.05 $M_{\theta\phi}$4.29 $M_{\phi r}$2.92 NP1:ϕ_s75.37000°,δ33.24000°,λ-72.32000°. NP2:ϕ_s234.51000°,δ58.52000°,λ-101.26000°. Principal axes: T 10.1750,Plg13.0000°,Azm333.0000°; N -1.4375,Plg10.0000°,Azm240.0000°; P -8.7375,Plg74.0000°,Azm115.0000° $M_0$9.54000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AEIC Event type se. hypocenter. manual.
ISC VII 30 05 49 21.5–2.4 55.41N–.06 156.69W–.04 29–17 3.9b 176 1-145
IDC VII 30 05 49 17.9–.99 55.54N 157.09W 0 3.7b,3.7 **¶620986042**
NEIC VII 30 05 49 20.7–1.2 55.36N–.03 156.68W–.06 23–7 4.0b,3.8L
AEIC VII 30 05 49 21.5–1.3 55.32N–.05 156.64W–.07 25–6 4.0b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 16 37 56.2–3.2 54.88N–.07 156.99W–.05 16–21 3.8b 169 2-64
NEIC VII 29 16 37 53.4–1.3 54.70N–.06 156.9W–.10 10–2 3.5L,3.3L **¶620984127**
IDC VII 29 16 37 55.2–1.4 54.89N 156.87W 0 3.8b,3.8
AEIC VII 29 16 37 56.1–.88 54.71N–.07 156.9W–.10 25–9 3.8b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 07 56 01.0–.85 53.99N–.08 157.33W–.05 35 3.9b 143 2-72
IDC VII 30 07 55 56.2–1.6 53.76N 157.38W 0 3.7b,3.6 **¶620986048**
NEIC VII 30 07 56 00.4–1.5 54.04N–.04 157.48W–.08 24–6 4.0b,3.9L
AEIC VII 30 07 56 01.1–1.5 54.02N–.04 157.46W–.10 23–6 4.0b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 30 08 39 48.1–1.4 55.04N–.07 156.94W–.08 33–15 3.5L,3.2L
AEIC VII 30 08 39 49.1–1.4 55.13N–.07 156.97W–.09 25–8 3.5L,3.2L **¶622451037**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 29 17 07 24.4–2.5 55.26N–.10 155.9W–.10 35–2 3.5L
¶622450956
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 30 06 09 07.8–1.9 54.95N–.07 157.9W–.10 32–9 2.5L,2.2L
AEIC VII 30 06 09 08.2–.81 54.96N–.04 157.8W–.10 45–10 2.5L,2.2L **¶622451028**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 21 44 22.1–2.7 55.56N–.05 156.17W–.03 15–17 4.1b 206 1-145
IDC VII 30 21 44 20.7–.81 55.69N 156.49W 0 3.9b,3.9 **¶620968036**
NEIC VII 30 21 44 22.8–1.3 55.52N–.04 156.11W–.08 20–4 4.3b,3.9L
AEIC VII 30 21 44 24.8–1.1 55.51N–.05 156.09W–.08 34–5 4.3b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 06 46 16.1–3.0 55.61N–.05 155.75W–.04 12–19 4.0b 174 2-83
IDC VII 30 06 46 15.3–.81 55.68N 156.07W 0 3.9b,3.9 **¶620968032**
NEIC VII 30 06 46 16.9–1.3 55.63N–.03 155.69W–.04 21–7 4.0b,3.9L
AEIC VII 30 06 46 18.4–1.2 55.60N–.04 155.70W–.07 35–6 4.0b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 30 13 52 14.1–.94 55.57N–.02 156.50W–.07 35–2 2.5L,2.5L
AEIC VII 30 13 52 15.3–1.3 55.62N–.07 156.6W–.10 45–10 2.5L,2.5L **¶622451060**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 30 14 19 21.2–.80 54.88N–.05 157.8W–.10 30–8 3.3L,2.8L
AEIC VII 30 14 19 21.9–.88 54.88N–.06 157.8W–.10 30–8 3.3L,2.8L **¶620986071**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 14 20 09.9–1.6 54.96N–.06 157.94W–.04 23–11 3.8b 113 1-145
IDC VII 30 14 20 07.8–.86 55.22N 158.38W 0 3.6b,3.6 **¶622451063**
AEIC VII 30 14 20 10.6–1.5 54.89N–.04 157.86W–.06 20–5 3.6b,3.6
NEIC VII 30 14 20 11.5–1.1 54.99N–.04 158.01W–.07 29–5 4.2b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 14 41 49.5–3.7 54.99N–.06 157.38W–.04 31–27 4.1b 189 1-145
IDC VII 30 14 41 49.0–1.1 55.55N 158.03W 0 4.3L,4.0 **¶620968042**
NEIC VII 30 14 41 50.5–1.1 55.03N–.03 157.41W–.09 35–2 4.2b,3.9L
AEIC VII 30 14 41 51.9–.88 55.07N–.02 157.51W–.08 42–7 4.2b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 14 43 44.0–1.8 55.93N–.06 156.07W–.04 5–11 4.0b 68 1-146
NEIC VII 30 14 43 43.6–.97 55.79N–.05 155.94W–.09 10–2 3.6L,3.3L **¶620986073**
AEIC VII 30 14 43 47.1–2.0 55.89N–.04 156.11W–.06 4–7 3.6L,3.3L
IDC VII 30 14 43 48.8–1.1 56.88N 156.80W 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.6km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.1km az=160.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.6km s-min=13.8km az=174.0.
ISC VII 30 22 04 03.8–.97 55.8N–.10 154.47W–.07 21 3.7b 35 2-84
IDC VII 30 22 04 00.5–1.3 55.66N 154.51W 0 3.6b,3.6 **¶620986095**
NEIC VII 30 22 04 01.8–1.1 55.7N–.10 154.5W–.10 10–2 3.1L,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 22 11 37.8–.53 55.71N–.04 154.46W–.03 14–2 5.1b,4.5s 926 2-160
BJI VII 30 22 11 35.1 55.46N 155.05W 10 5.3s,5.3b **¶620923870**
IDC VII 30 22 11 35.8–.41 55.69N 154.61W 0 5.0b,5.0
NEIC VII 30 22 11 36.5 55.65N 154.43W 10 5.0b,5.0
NEIC VII 30 22 11 36.0–1.0 55.67N–.06 154.44W–.07 6–3 5.2b,4.9L
GFZ VII 30 22 11 38.5–.28 56N–4.0 155W–4.0 10 4.9b,4.8
GCMT VII 30 22 11 40.4–.40 55.40N–.03 154.19W–.04 15 5.2W,4.8
AEIC VII 30 22 11 41.2–1.2 55.67N–.06 154.44W–.07 12–3 5.2W,4.8
NEIC VII 30 22 11 43.9 55.45N 154.25W 12 4.8,4.8
BGR VII 30 22 11 46.6 56.64N 155.12W 24–2 5.2b,4.5s
ISC Event type ke.
IDC Error ellipse: s-maj=9.8km s-min=7.7km az=174.0.
NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.6km az=158.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107302211A. Moment Tensor Solution. s39,c46; s66,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.71±.15 $M_{\theta\theta}$-1.39±.14; $M_{\phi\phi}$-0.32±.10; $M_{r\theta}$4.95±.38; $M_{\theta\phi}$-1.12±.08; $M_{\phi r}$4.03±.40; Best double couple: NP1:ϕ_s248.00000°,δ9.00000°,λ107.00000°. NP2:ϕ_s51.00000°,δ82.00000°,λ88.00000°. Principal axes: T 6.4850,Plg53.0000°,Azm318.0000°; N 0.3490,Plg2.0000°,Azm51.0000°; P -6.8400,Plg37.0000°,Azm143.0000° $M_0$6.66200×10^{16}
AEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.7km az=159.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.91 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$-0.43 $M_{r\theta}$1.62 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.22 NP1:ϕ_s220.43000°,δ12.45000°,λ78.31000°. NP2:ϕ_s52.39000°,δ77.81000°,λ92.56000°. Principal axes: T 2.2133,Plg57.0000°,Azm326.0000°; N 0.0250,Plg3.0000°,Azm232.0000°; P -2.2383,Plg33.0000°,Azm140.0000° $M_0$2.23000×10^{16}
BGR Event type ke.
ISC VII 31 00 58 41.5–.92 55.67N–.05 156.02W–.03 10 98 1-47
NEIC VII 31 00 58 40.2–1.4 55.58N–.04 155.84W–.07 10–2 3.5L,3.3L **¶620986101**
IDC VII 31 00 58 42.4–3.2 55.88N 156.03W 0 2.8L,2.8b
AEIC VII 31 00 58 42.1–1.4 55.61N–.04 155.9W–.10 7–7 2.8L,2.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VII 31 06 56 36.7–1.3 55.65N–.07 155.65W–.08 35–2 3.2L,3.0L
AEIC VII 31 06 56 36.7–1.3 55.59N–.06 155.63W–.09 35–10 3.2L,3.0L **¶622451090**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 30 23 41 51.8–.85 55.63N–.07 155.89W–.05 19 3.4b 151 2-145
NEIC VII 30 23 41 52.4–1.5 55.56N–.05 155.83W–.05 34–9 3.8L,3.6L **¶620986100**
AEIC VII 30 23 41 52.8–1.3 55.56N–.07 155.86W–.08 33–7 3.8L,3.6L
IDC VII 30 23 41 53.9–1.2 56.34N 156.62W 0 3.5b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.5km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.9km az=157.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.9km s-min=12.9km az=153.0.
ISC VII 31 15 40 55.1–.51 55.89N–.05 156.11W–.03 26–3 4.8b,4.5s 511 1-153
IDC VII 31 15 40 51.9–.56 55.98N 156.32W 0 4.7b,4.6 **¶622451112**
NEIC VII 31 15 40 54.4–1.8 55.78N–.04 156.08W–.06 29–5 4.9b,4.6L
NEIC VII 31 15 40 54 55.79N 156.06W 24 4.9b,4.6L
AEIC VII 31 15 40 55.8–1.7 55.73N–.05 156.01W–.08 37–5 4.9b,4.6L
GFZ VII 31 15 40 59.0–.67 56N–12 156W–7.0 30–1 5.0,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.57 $M_{\theta\theta}$1.50 $M_{\phi\phi}$-0.93 $M_{r\theta}$7.29 $M_{\theta\phi}$-0.26 $M_{\phi r}$2.69 NP1:ϕ_s249.46000°,δ87.10000°,λ-97.24000°. NP2:ϕ_s137.75000°,δ7.79000°,λ-21.89000°. Principal axes: T 8.1097,Plg42.0000°,Azm346.0000°; N -0.4695,Plg7.0000°,Azm250.0000°; P -7.6402,Plg47.0000°,Azm152.0000° $M_0$7.89000×10^{15}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC VII 31 11 30 36.5–.88 55.03N–.04 156.5W–.10 10–2 3.6L,3.1L
AEIC VII 31 11 30 37.2–1.2 54.94N–.09 156.4W–.10 15–7 3.6L,3.1L **¶622451107**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 31 11 33 19.9–.97 54.96N–.08 156.41W–.05 22 61 2-60
IDC VII 31 11 33 17.8–2.0 54.69N 156.20W 0 3.2b,3.2 **¶620986122**
NEIC VII 31 11 33 20.7–1.1 54.95N–.07 156.46W–.09 35–23 3.3L,3.0L
AEIC VII 31 11 33 20.3–1.2 54.90N–.04 156.42W–.09 32–8 3.3L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 31 04 20 18.6–1.3 54.93N–.08 156.77W–.05 24 97 2-46
NEIC VII 31 04 20 19.1–2.1 54.89N–.05 156.77W–.06 30–10 3.7L,3.4L **¶622451087**
AEIC VII 31 04 20 20.1–1.7 55.03N–.05 156.81W–.07 12–7 3.7L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 31 05 04 46.4–1.1 55.42N–.08 155.72W–.06 10 53 2-145
IDC VII 31 05 04 36.5–2.0 56.62N 158.38W 0 3.1b,3.1 **¶620986109**
NEIC VII 31 05 04 46.2–.98 55.42N–.07 155.7W–.10 10–2 3.3L,3.2L
AEIC VII 31 05 04 49.5–.92 55.45N–.08 155.7W–.10 36–10 3.3L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 01 08 58 57.0–.40 55.21N–.05 155.14W–.04 10 4.6b,3.9s 395 2-153
NEIC VIII 01 08 58 54.8–1.0 55.10N–.06 155.04W–.08 10–1 4.6b,4.3L **¶620925424**
IDC VIII 01 08 58 55.8–.59 55.17N 155.36W 0 4.4b,4.4
AEIC VIII 01 08 58 58.4–1.1 55.16N–.08 155.1W–.10 34–6 4.4b,4.4
GFZ VIII 01 08 58 60.0–.31 56N–5.0 155W–4.0 10 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC VIII 01 09 49 28.1–.91 54.5N–.10 149.6W–.20 10–2 3.4L,3.4L
AEIC VIII 01 09 49 28.7–1.3 54.2N–.10 149.4W–.20 10–9 3.4L,3.4L **¶622451140**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 01 11 51 54.6–2.1 55.13N–.08 156.96W–.04 15–12 3.8b 115 1-83
IDC VIII 01 11 51 48.0–1.5 54.74N 157.68W 0 3.7L,3.7b **¶620986208**
NEIC VIII 01 11 51 54.9–1.8 55.10N–.05 157.01W–.09 11–10 3.5L,3.4L
AEIC VIII 01 11 51 56.7–1.7 55.04N–.06 156.90W–.09 16–7 3.5L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 01 13 42 43.9–2.1 54.83N–.07 156.94W–.04 6–13 4.0b 138 2-145
NEIC VIII 01 13 42 43.8–.70 54.77N–.05 156.92W–.08 10–1 3.9b,3.5L **¶620986217**
IDC VIII 01 13 42 43.7–1.1 54.82N 157.20W 0 3.7b,3.7
AEIC VIII 01 13 42 47.0–.71 54.77N–.08 156.9W–.10 40–7 3.7b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 03 07 39 36.5–.65 54.80N–.07 156.87W–.05 35 3.9b 153 2-145
IDC VIII 03 07 39 32.0–.95 54.81N 157.00W 0 3.9s,3.8b **¶620930503**
AEIC VIII 03 07 39 35.0–1.1 54.70N–.08 156.84W–.09 33–8 3.9s,3.8b
NEIC VIII 03 07 39 34.6–.89 54.70N–.08 156.81W–.03 35–2 3.6L,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 09 01 36.4–1.4 54.98N–.10 156.21W–.05 35 103 2-64
NEIC VIII 02 09 01 36.3–1.6 54.93N–.07 156.29W–.09 35–23 3.3L,3.2L **¶620993228**
AEIC VIII 02 09 01 36.6–1.8 54.99N–.08 156.37W–.08 21–8 3.3L,3.2L
IDC VIII 02 09 01 41.5–3.0 56.35N 157.14W 0 4.0b,3.5

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.2km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.3km az=160.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.3km s-min=25.1km az=160.0.
ISC VIII 02 09 16 46.1–.92 55.46N–.09 155.25W–.06 10 3.4b 29 2-145
NEIC VIII 02 09 16 46.5–1.7 55.41N–.08 155.18W–.10 10–2 3.0L **¶620993232**
IDC VIII 02 09 16 47.5–2.2 55.22N 154.82W 0 3.6b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=3.0km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.6km s-min=32.5km az=89.0.
ISC VIII 01 14 43 44.1–1.6 55.26N–.05 156.84W–.03 5–9 3.9b,3.6s 207 1-145
IDC VIII 01 14 43 44.1–.84 55.42N 157.31W 0 4.0L,3.7b **¶620986222**
NEIC VIII 01 14 43 45.2–1.2 55.22N–.04 156.85W–.07 10–1 4.3b,4.1L
AEIC VIII 01 14 43 48.5–1.3 55.23N–.06 156.8W–.10 42–6 4.3b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 03 16 49 42.7–3.1 53.56N–.06 162.73W–.04 10–20 4.1b 96 1-76
IDC VIII 03 16 49 42.1–1.2 53.71N 163.01W 0 3.8b,3.8 **¶620961711**
NEIC VIII 03 16 49 43.1–1.4 53.60N–.07 162.76W–.07 10–2 3.9b,3.6L
AEIC VIII 03 16 49 45.1–1.6 53.55N–.08 162.75W–.08 17–6 3.9b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 03 17 49 24.2–2.6 53.63N–.06 162.72W–.05 5–17 3.7b 68 1-49
NEIC VIII 03 17 49 25.4–1.2 53.57N–.04 162.65W–.07 25–6 3.3L,3.0L **¶620995886**
AEIC VIII 03 17 49 27.3–1.2 53.57N–.08 162.68W–.07 27–8 3.3L,3.0L
IDC VIII 03 17 49 41.5–1.6 53.33N 159.49W 0 3.8b,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=11.6km s-min=5.0km az=158.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.9km s-min=25.3km az=3.0.
ISC VIII 03 21 29 40.4–.99 55.16N–.09 156.65W–.04 22 3.7b 145 2-67
NEIC VIII 03 21 29 38.2–1.0 55.09N–.04 156.63W–.09 10–2 3.6L,3.4L **¶620995906**
AEIC VIII 03 21 29 40.7–.85 55.13N–.09 156.6W–.10 15–8 3.6L,3.4L
IDC VIII 03 21 29 47.0–3.4 56.16N 157.40W 22–22 3.6b,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.0km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.6km az=158.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.8km s-min=15.1km az=160.0.
ISC VIII 05 02 40 41.8–.72 55.17N–.08 155.48W–.05 10 3.9b 99 2-145
NEIC VIII 05 02 40 40.5–1.5 55.10N–.08 155.44W–.09 10–2 3.2L,3.2L **¶620998779**
IDC VIII 05 02 40 41.3–1.0 55.22N 155.60W 0 3.7b,3.7
AEIC VIII 05 02 40 44.0–1.2 54.98N–.08 155.36W–.07 12–6 3.7b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 04 11 06 35.2–.97 55.39N–.05 155.56W–.10 10–2 3.5L,3.3L
AEIC VIII 04 11 06 40.2–1.0 55.51N–.08 155.7W–.10 47–10 3.5L,3.3L **¶622451243**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 05 12 18 04.9–1.0 54.88N–.10 155.34W–.07 10–2 2.8L,2.7L
AEIC VIII 05 12 18 09.7–1.1 54.9N–.10 155.3W–.10 9–8 2.8L,2.7L **¶622451279**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 05 19 52 38.3–.81 55.03N–.09 155.40W–.05 10 3.4b 65 2-145
NEIC VIII 05 19 52 36.0–1.3 54.85N–.02 155.4W–.10 10–2 3.2L,3.0L **¶620998828**
IDC VIII 05 19 52 37.8–1.3 54.94N 155.28W 0 3.5b,3.5
AEIC VIII 05 19 52 39.4–2.4 54.8N–.10 155.24W–.08 7–6 3.5b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 05 08 28 31.3–2.5 53.58N–.06 162.75W–.04 16–15 4.0b,3.1s 136 1-143
IDC VIII 05 08 28 29.9–1.2 53.82N 163.14W 0 3.9b,3.8 **¶620969579**
NEIC VIII 05 08 28 30.7–1.4 53.57N–.04 162.77W–.04 10–2 3.7b,3.6L
AEIC VIII 05 08 28 31.2–1.4 53.54N–.07 162.75W–.03 18–6 3.7b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 05 23 25 55.4–1.6 53.40N–.10 162.69W–.08 10–2 3.5b,3.3L
¶620970699
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 05 21 23 17.8–.88 54.95N–.09 155.39W–.05 10 3.9b 86 2-145
NEIC VIII 05 21 23 15.6–.76 54.88N–.09 155.4W–.10 10–2 3.4L,3.2L **¶620998831**
IDC VIII 05 21 23 16.8–1.3 54.83N 155.25W 0 3.8b,3.7
AEIC VIII 05 21 23 20.7–.75 54.9N–.10 155.4W–.10 12–9 3.8b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 06 22 33 10.4–3.6 53.55N–.09 162.78W–.06 3–23 3.9b 67 1-65
IDC VIII 06 22 33 08.7–1.8 53.19N 163.60W 0 3.7b,3.6 **¶620976022**
NEIC VIII 06 22 33 09.4–2.7 53.41N–.06 162.65W–.09 10–2 3.3L,3.1L
AEIC VIII 06 22 33 12.7–1.9 53.54N–.04 162.80W–.07 26–6 3.3L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 05 21 42 52.8–.68 54.98N–.08 155.41W–.05 10 4.0b 99 2-145
NEIC VIII 05 21 42 50.8–.90 54.84N–.08 155.4W–.10 10–2 3.5L,3.5L **¶620998832**
IDC VIII 05 21 42 51.5–1.0 54.94N 155.59W 0 3.8b,3.8
AEIC VIII 05 21 42 55.2–1.1 54.8N–.10 155.3W–.10 12–8 3.8b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 05 23 11 47.4–3.0 53.59N–.06 162.73W–.04 9–19 3.8b 83 1-86
IDC VIII 05 23 11 47.0–1.1 53.76N 162.93W 0 3.6b,3.6 **¶620970698**
NEIC VIII 05 23 11 47.2–1.4 53.51N–.03 162.75W–.07 10–1 3.4L,3.2L
AEIC VIII 05 23 11 49.9–1.3 53.54N–.03 162.71W–.07 18–5 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 05 17 58 43.9–.96 55.45N–.10 155.7W–.10 20–8 2.8L,2.5L
AEIC VIII 05 17 58 45.6–.90 55.46N–.07 155.70W–.08 23–8 2.8L,2.5L **¶622451298**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 08 20 41 38.2–1.6 55.51N–.05 156.41W–.04 8–10 4.0b,3.4s 168 1-145
IDC VIII 08 20 41 37.3–.87 55.56N 156.70W 0 3.9b,3.9 **¶620976456**
NEIC VIII 08 20 41 40.8 55.51N 156.47W 26 3.9b,3.9
NEIC VIII 08 20 41 40.7–2.4 55.53N–.06 156.44W–.07 25–7 4.1,4.0L
AEIC VIII 08 20 41 41.0–2.4 55.46N–.06 156.31W–.09 29–4 4.1,4.0L
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.75 $M_{\theta\theta}$1.30 $M_{\phi\phi}$-0.55 $M_{r\theta}$1.05 $M_{\theta\phi}$-0.07 $M_{\phi r}$0.60 NP1:ϕ_s244.37000°,δ73.43000°,λ-117.49000°. NP2:ϕ_s125.65000° ,δ31.76000°,λ-32.81000°. Principal axes: T 1.7548,Plg24.0000°,Azm355.0000° ; N -0.2146,Plg26.0000°,Azm253.0000°; P -1.5402,Plg53.0000°,Azm121.0000° $M_0$1.66000×10^{15}
AEIC Event type se. hypocenter. manual.
ISC VIII 07 03 57 31.7–.88 54.75N–.08 156.87W–.05 10 3.9b 93 2-75
NEIC VIII 07 03 57 31.2–1.5 54.69N–.02 156.9W–.10 10–2 3.3L,3.3L **¶621000700**
IDC VIII 07 03 57 32.1–1.6 54.93N 157.04W 0 3.7b,3.7
AEIC VIII 07 03 57 33.2–.96 54.62N–.07 156.9W–.10 29–7 3.7b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 09 14 34 46.3–1.0 53.47N–.03 150.1W–.10 10–2 3.7L
AEIC VIII 09 14 34 53.2–1.2 53.65N–.09 150.3W–.20 7–8 3.7L **¶620979035**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 09 08 30 24.6–2.5 55.31N–.05 155.53W–.03 24–20 3.9b,3.2s 133 2-93
NEIC VIII 09 08 30 22.3–1.4 55.32N–.07 155.50W–.07 10–1 4.1b,3.7L **¶621007244**
IDC VIII 09 08 30 25.4–1.4 55.72N 156.02W 0 3.7b,3.7
AEIC VIII 09 08 30 28.3–2.8 55.43N–.08 155.68W–.08 37–7 3.7b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 09 06 08 04.3–2.5 55.27N–.07 156.45W–.04 7–15 3.6b 153 2-145
NEIC VIII 09 06 08 03.3–1.1 55.10N–.07 156.36W–.08 10–2 3.6L,3.6L **¶621007230**
AEIC VIII 09 06 08 05.9–1.5 55.00N–.08 156.33W–.09 34–9 3.6L,3.6L
IDC VIII 09 06 08 05.0–1.3 55.43N 156.77W 0 3.5b,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.1km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.0km az=158.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.0km s-min=14.7km az=140.0.
ISC VIII 11 05 43 36.3–.42 54.76N–.06 156.90W–.03 10 4.5b,3.7s 297 2-145
IDC VIII 11 05 43 35.6–.76 54.83N 156.99W 0 4.2b,4.2 **¶620980018**
NEIC VIII 11 05 43 36.7–1.3 54.72N–.06 156.91W–.08 18–4 4.6b,4.3L
AEIC VIII 11 05 43 37.2–1.6 54.64N–.06 156.81W–.07 21–5 4.6b,4.3L
GFZ VIII 11 05 43 38.6–.43 55N–7.0 157W–5.0 10 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 10 21 15 50.3–3.0 53.54N–.06 159.96W–.04 7–18 3.8b 146 1-85
IDC VIII 10 21 15 49.4–1.2 53.44N 160.11W 0 3.7b,3.7 **¶621008144**
NEIC VIII 10 21 15 52.6–2.4 53.62N–.04 160.04W–.06 10–2 3.6b,3.6L
AEIC VIII 10 21 15 54.5–2.3 53.40N–.10 159.9W–.10 3–7 3.6b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 10 06 04 11.9–.93 55.65N–.09 156.43W–.05 10 3.7b 49 1-145
NEIC VIII 10 06 04 09.7–1.5 55.38N–.08 156.5W–.10 10–2 3.7L **¶621008095**
IDC VIII 10 06 04 09.6–1.1 55.50N 156.85W 0 3.5L,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.6km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=15.6km az=131.0.
ISC VIII 11 05 46 11.9–4.1 54.78N–.07 156.89W–.04 12–27 4.1b,3.5s 139 2-72
IDC VIII 11 05 46 10.8–1.1 54.78N 157.11W 0 3.9L,3.9 **¶621009317**
NEIC VIII 11 05 46 11.8–1.4 54.71N–.07 156.87W–.05 19–5 4.0b,3.8L
AEIC VIII 11 05 46 13.1–1.4 54.69N–.07 156.84W–.08 32–6 4.0b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 11 05 51 02.3–3.8 54.86N–.06 156.89W–.04 17–24 4.1b 193 2-145
IDC VIII 11 05 51 00.2–.78 54.87N 157.07W 0 4.1b,4.1 **¶621009318**
NEIC VIII 11 05 51 01.6–1.8 54.74N–.07 156.95W–.09 18–5 4.1b,4.0L
AEIC VIII 11 05 51 02.2–1.9 54.66N–.07 156.83W–.08 27–5 4.1b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 11 08 15 13.9–.41 54.78N–.05 156.92W–.03 10 4.5b,3.7s 295 2-145
NEIC VIII 11 08 15 12.9–1.2 54.74N–.06 156.90W–.08 5–4 4.6b,4.3L **¶620980051**
IDC VIII 11 08 15 13.4–.72 54.83N 157.02W 0 4.3b,4.3
AEIC VIII 11 08 15 15.8–2.0 54.69N–.06 156.82W–.08 30–4 4.3b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 18 03 57 13.3–1.5 55.49N–.05 156.97W–.05 10–2 2.8L,2.7L
AEIC VIII 18 03 57 15.5–1.6 55.49N–.05 156.92W–.06 13–7 2.8L,2.7L **¶622451576**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VIII 14 12 59 37.3–1.7 54.73N–.08 156.86W–.06 10–2 2.9L,2.8L
AEIC VIII 14 12 59 40.8–1.2 54.79N–.08 156.90W–.10 36–10 2.9L,2.8L **¶622451485**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 14 17 33 17.3–2.0 54.82N–.07 156.94W–.04 29–16 3.9b 151 2-75
IDC VIII 14 17 33 14.5–1.8 54.80N 157.15W 0 3.8s,3.7b **¶621013532**
NEIC VIII 14 17 33 16.9–2.3 54.90N–.04 157.00W–.08 27–11 3.4L,3.3L
AEIC VIII 14 17 33 16.8–2.3 54.74N–.07 156.89W–.09 25–8 3.4L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 16 01 46 47.6–2.8 54.43N–.07 155.89W–.04 7–17 3.6b 111 1-83
IDC VIII 16 01 46 45.2–1.6 54.21N 156.32W 0 3.6b,3.6 **¶621030119**
NEIC VIII 16 01 46 47.3–2.6 54.40N–.09 155.83W–.10 10–2 3.4L,3.4L
AEIC VIII 16 01 46 50.3–2.0 54.47N–.08 156.0W–.10 26–9 3.4L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 14 15 20 50.7–.88 54.72N–.09 156.75W–.05 35 3.9b 132 2-83
NEIC VIII 14 15 20 49.4–1.9 54.72N–.08 156.79W–.10 34–13 3.6L,3.4L **¶621013517**
AEIC VIII 14 15 20 49.7–1.8 54.71N–.08 156.8W–.10 33–8 3.6L,3.4L
IDC VIII 14 15 20 50.4–1.0 55.36N 157.20W 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.2km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.9km az=147.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.5km s-min=13.6km az=157.0.
NEIC VIII 16 05 46 47.2–1.7 55.37N–.03 156.39W–.07 35–2 3.5L,3.4L
AEIC VIII 16 05 46 48.4–1.7 55.39N–.07 156.33W–.08 36–10 3.5L,3.4L **¶622451534**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.
ISC VIII 19 12 19 38.0–.88 54.76N–.08 156.81W–.05 35 3.7s,3.7b 138 1-93
NEIC VIII 19 12 19 36.9–1.5 54.71N–.09 156.83W–.07 35–11 3.3L,3.2L ¶621039190
IDC VIII 19 12 19 36.0–1.9 55.06N 157.03W 0 3.9b,3.9
AEIC VIII 19 12 19 37.1–1.5 54.70N–.08 156.83W–.09 33–8 3.9b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 18 20 06 50.9–2.3 54.74N–.08 156.79W–.04 4–14 3.9s,3.8b 102 1-145
NEIC VIII 18 20 06 50.2–1.2 54.64N–.04 156.8W–.10 10–2 3.5L,3.3L ¶621030412
IDC VIII 18 20 06 50.6–1.5 54.68N 156.97W 0 3.7b,3.7
AEIC VIII 18 20 06 53.6–.79 54.69N–.06 156.7W–.10 25–7 3.7b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 17 20 16 04.5–.59 54.86N–.05 156.88W–.04 10 5.0s,4.3b 203 1-145
IDC VIII 17 20 16 03.9–1.1 54.91N 156.98W 0 4.7s,4.1b ¶621030302
NEIC VIII 17 20 16 04.6–1.1 54.69N–.07 156.77W–.08 20–7 3.8L,3.7L
AEIC VIII 17 20 16 05.5–1.7 54.61N–.07 156.75W–.08 26–5 3.8L,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 18 19 30 55.9–3.1 54.29N–.07 159.56W–.04 15–20 3.7s,3.7b 125 1-144
NEIC VIII 18 19 30 57.7–1.1 54.26N–.08 159.72W–.09 27–9 3.6L,3.4L ¶621030407
AEIC VIII 18 19 30 58.3–1.1 54.24N–.05 159.72W–.07 18–5 3.6L,3.4L
IDC VIII 18 19 30 58.9–1.1 55.04N 160.27W 0 3.8L,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=5.7km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.1km az=145.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=16.9km az=1.0.
ISC VIII 21 08 44 28.8–2.3 55.81N–.08 156.18W–.03 33–7 3.7b 122 0-83
NEIC VIII 21 08 44 29.0–1.1 55.78N–.05 156.16W–.04 35–2 3.4L,3.3L ¶621042978
AEIC VIII 21 08 44 29.5–1.1 55.77N–.07 156.18W–.07 41–9 3.4L,3.3L
IDC VIII 21 08 44 30.5–1.1 56.79N 156.91W 0 3.6b,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=3.9km az=358.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.2km az=162.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.1km s-min=13.7km az=171.0.
NEIC IX 02 08 07 38.1–.62 54.49N–.06 159.61W–.09 23–11 3.7L,3.4L
AEIC IX 02 08 07 38.7–1.2 54.49N–.04 159.68W–.08 10–6 3.7L,3.4L ¶621022655
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 27 09 39 56.6–1.5 54.94N–.05 158.49W–.03 11–10 3.4b 136 1-47
NEIC VIII 27 09 39 57.7–1.3 54.93N–.03 158.49W–.06 20–8 3.6L,3.5L ¶621072139
AEIC VIII 27 09 39 57.6–1.1 54.88N–.05 158.46W–.06 12–7 3.6L,3.5L
IDC VIII 27 09 39 58.5–3.6 55.05N 158.14W 0 3.4,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.0km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.8km az=169.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.4km s-min=23.4km az=97.0.
ISC VIII 31 22 15 50.4–3.9 54.74N–.07 156.80W–.05 10–24 4.1b 156 1-145
NEIC VIII 31 22 15 48.6–2.3 54.60N–.06 156.72W–.07 10–1 4.0b,3.7L ¶621071738
IDC VIII 31 22 15 50.1–.98 54.79N 156.91W 0 4.0b,4.0
AEIC VIII 31 22 15 52.3–1.9 54.61N–.08 156.80W–.08 25–6 4.0b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 27 20 22 25.4–2.1 54.44N–.10 158.35W–.04 5–12 3.9b,3.2s 91 1-144
IDC VIII 27 20 22 22.9–2.3 53.95N 158.40W 0 3.9b,3.8 ¶621072173
AEIC VIII 27 20 22 25.6–2.5 54.32N–.08 158.12W–.06 39–8 3.9b,3.8
NEIC VIII 27 20 22 25.6–1.2 54.40N–.07 158.34W–.07 17–7 3.4L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VIII 28 20 21 49.1–1.6 54.98N–.04 157.90W–.05 29–7 3.5L,3.5L
AEIC VIII 28 20 21 47.7–2.1 54.85N–.07 157.62W–.07 17–8 3.5L,3.5L ¶622451760
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 02 08 08 35.9–.67 54.53N–.05 159.65W–.03 25–4 4.5b,3.9s 335 0-144
IDC IX 02 08 08 32.7–.76 54.75N 159.78W 0 4.2b,4.2 ¶622451833
GFZ IX 02 08 08 34.5–.24 55N–5.0 160W–3.0 10 4.6b,4.6
BGR IX 02 08 08 35.5 53.95N 159.90W 33 4.8b,4.6
AEIC IX 02 08 08 36.0–1.5 54.49N–.04 159.66W–.05 8–4 4.8b,4.6
NEIC IX 02 08 08 36.2–1.1 54.52N–.02 159.64W–.06 26–5 4.6L,4.6
NEIC IX 02 08 08 36.3 54.52N 159.65W 26 4.6L,4.6
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=10.5km az=168.0.
GFZ Error ellipse: s-maj=11.2km s-min=6.2km az=5.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
AEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=153.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=0.9km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.51 $M_{\theta\theta}$0.14 $M_{\phi\phi}$0.37 $M_{r\theta}$0.78 $M_{\theta\phi}$0.49 $M_{\phi r}$1.28 NP1:ϕ_s248.40000°,δ73.55000°,λ-64.04000°. NP2:ϕ_s8.57000°,δ30.43000°,λ-146.00000°. Principal axes: T 1.0411,Plg24.0000°,Azm319.0000°; N -0.0049,Plg25.0000°,Azm61.0000°; P -1.0362,Plg54.0000°,Azm190.0000° $M_0$1.04000×10^{16}
NEIC Event type se.
ISC IX 03 15 54 48.1–1.7 55.39N–.06 156.43W–.04 14–11 3.5b 122 1-67
IDC IX 03 15 54 42.9–1.7 55.72N 157.55W 0 3.7L,3.5b ¶621081572
NEIC IX 03 15 54 48.3–1.5 55.42N–.06 156.55W–.07 10–2 3.4L,3.3L
AEIC IX 03 15 54 50.5–.85 55.39N–.08 156.44W–.07 39–9 3.4L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IX 09 03 15 40.0–1.3 54.49N–.05 159.75W–.06 20–11 3.5L,2.9L
AEIC IX 09 03 15 39.7–2.4 54.52N–.04 159.86W–.09 10–6 3.5L,2.9L ¶622451983
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IX 04 14 23 53.7–1.5 55.11N–.05 156.67W–.05 10–2 3.5L,3.3L
AEIC IX 04 14 23 55.7–1.1 55.17N–.06 156.71W–.09 6–7 3.5L,3.3L ¶622451881
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 10 09 21 02.6–.96 54.72N–.08 156.83W–.04 10 4.0b 123 2-75
NEIC IX 10 09 21 03.2–1.4 54.71N–.08 156.83W–.07 10–2 3.8b,3.3L ¶621108505
AEIC IX 10 09 21 05.3–1.2 54.63N–.09 156.77W–.09 25–7 3.8b,3.3L
IDC IX 10 09 21 08.4–4.2 55.64N 157.51W 0 3.9b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=3.0km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.7km az=155.0. hypocenter. manual.
IDC Error ellipse: s-maj=97.2km s-min=18.4km az=154.0.
NEIC IX 13 03 15 30.1–.97 54.49N–.04 159.96W–.02 8–7 3.2L,2.9L
AEIC IX 13 03 15 30.4–1.9 54.51N–.03 159.88W–.06 7–5 3.2L,2.9L ¶622452074
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 15 10 48 57.5–.52 55.12N–.06 156.28W–.05 22 4.4b,3.2s 238 1-145
NEIC IX 15 10 48 54.8–.72 54.99N–.05 156.34W–.09 10–1 4.5b,4.3 ¶621076726
NEIC IX 15 10 48 54.8 54.99N 156.33W 10 4.5b,4.3
IDC IX 15 10 48 55.0–.71 55.22N 156.45W 0 4.3b,4.2
AEIC IX 15 10 48 57.2–1.0 54.98N–.08 156.30W–.05 33–5 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.40 $M_{\theta\theta}$1.89 $M_{\phi\phi}$-2.29 $M_{r\theta}$1.21 $M_{\theta\phi}$1.34 $M_{\phi r}$1.29 NP1:ϕ_s122.12000°,δ55.90000°,λ10.27000°. NP2:ϕ_s26.32000°,δ81.51000°,λ145.47000°. Principal axes: T 3.1612,Plg30.0000°,Azm339.0000°; N -0.2064,Plg55.0000°,Azm194.0000°; P -2.9547,Plg17.0000°,Azm79.0000° $M_0$3.06000×10^{15}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC IX 24 04 55 19.0–.66 52.07N–.07 159.62W–.10 10–2 3.5L,3.3L
AEIC IX 24 04 55 19.8–1.1 51.9N–.10 159.4W–.20 2–9 3.5L,3.3L ¶622499397
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 16 23 05 08.6–.31 55.16N–.04 156.48W–.02 20–1 5.2b,4.8s 1182 2-161
BJI IX 16 23 05 03.0 55.20N 156.50W 10 5.5b,5.4s ¶621080883
NEIC IX 16 23 05 07.8 54.64N 156.12W 30 5.2,5.4s
IDC IX 16 23 05 07.0–2.2 55.12N 156.67W 9–12 5.0,4.9b
AEIC IX 16 23 05 07.9–4.0 54.94N–.06 156.30W–.07 33–4 5.0,4.9b
NEIC IX 16 23 05 07.3 55.14N 156.47W 10 5.0,4.9b
NEIC IX 16 23 05 08.7–1.7 55.15N–.04 156.47W–.05 20–1 5.2,5.1L
NEIC IX 16 23 05 08.2 55.16N 156.50W 16 5.2,5.1L
GFZ IX 16 23 05 08.1–.23 55N–5.0 157W–3.0 10 5.5b,5.3L
MOS IX 16 23 05 09.1–.97 55.22N 156.58W 31 5.5b,4.8s
GCMT IX 16 23 05 10.4–.10 54.95N–.01 156.31W–.01 12 5.3W,4.8s
BGR IX 16 23 05 13.3 55.35N 158.40W 33 5.3b,4.5s
ISC Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}4.17 $M_{\theta\theta}$-3.68 $M_{\phi\phi}$-0.49 $M_{r\theta}$3.97 $M_{\theta\phi}$-3.09 $M_{\phi r}$3.61 NP1:ϕ_s252.81000°,δ22.46000°,λ112.10000°. NP2:ϕ_s49.09000°,δ69.27000°,λ81.16000°. Principal axes: T 6.6421,Plg65.0000°,Azm304.0000°; N 1.2420,Plg8.0000°,Azm52.0000°; P -7.8841,Plg24.0000°,Azm146.0000° $M_0$7.34000×10^{16}
IDC Error ellipse: s-maj=14.3km s-min=8.7km az=3.0.
AEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.6km az=161.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}5.95 $M_{\theta\theta}$-5.60 $M_{\phi\phi}$-0.35 $M_{r\theta}$4.77 $M_{\theta\phi}$-0.71 $M_{\phi r}$3.81 NP1:ϕ_s61.77000°,δ68.62000°,λ75.71000°. NP2:ϕ_s276.71000°,δ25.53000°,λ122.23000°. Principal axes: T 8.9021,Plg64.0000°,Azm309.0000°; N -1.0253,Plg13.0000°,Azm67.0000°; P -7.8769,Plg22.0000°,Azm163.0000° $M_0$8.44000×10^{16}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=8.6km s-min=4.1km az=96.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109162305A. Moment Tensor Solution. s102,c185; s126,c222;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35±.01 $M_{\theta\theta}$-0.24±.01; $M_{\phi\phi}$-0.10±.01; $M_{r\theta}$0.79±.02; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$0.54±.02; Best double couple: NP1:ϕ_s228.00000°,δ11.00000°,λ83.00000°. NP2:ϕ_s55.00000°,δ79.00000°,λ91.00000°. Principal axes: T 0.9880,Plg56.0000°,Azm327.0000°; N 0.0950,Plg1.0000°,Azm235.0000°; P -1.0820,Plg34.0000°,Azm144.0000° $M_0$1.03500×10^{17}
BGR Event type ke.
ISC IX 19 13 17 45.6–1.5 54.80N–.05 158.58W–.03 23–10 4.0b 161 1-83
IDC IX 19 13 17 42.7–.96 54.98N 158.90W 0 3.8b,3.8 ¶621113625
NEIC IX 19 13 17 45.2–1.5 54.77N–.04 158.59W–.06 17–5 4.3b,3.7L
AEIC IX 19 13 17 46.1–1.8 54.74N–.04 158.59W–.04 13–4 4.3b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 16 18 34 60.0–1.2 54.97N–.09 156.27W–.05 10 4.0b 90 1-66
IDC IX 16 18 34 55.7–2.0 54.43N 156.19W 0 3.7b,3.6 ¶621112907
NEIC IX 16 18 35 00.3–1.1 54.94N–.04 156.33W–.10 10–2 3.2L,3.1L
AEIC IX 16 18 35 03.8–1.1 55.02N–.10 156.4W–.10 34–7 3.2L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 16 17 51 55.8–.23 55.12N–.03 156.47W–.02 25–1 5.4b,5.4s 1633 1-164
IDC IX 16 17 51 52.3–.37 55.16N 156.60W 0 5.3s,5.1b ¶621080781
NEIC IX 16 17 51 54.5 55.17N 156.46W 15 5.3s,5.1b
MOS IX 16 17 51 54.7–.86 55.27N 156.59W 24 5.7b,5.3s
BJI IX 16 17 51 55.0 55.26N 157.15W 18 6.0s,5.9b
IPGP IX 16 17 51 55.0 55.03N 156.49W 23 5.7W,5.9b
NEIC IX 16 17 51 55.1–1.7 55.14N–.05 156.46W–.07 20–1 5.6,5.5L
NEIC IX 16 17 51 55 55.17N 156.46W 18 5.6,5.5L
AEIC IX 16 17 51 55.9–2.8 55.07N–.06 156.50W–.08 37–4 5.6,5.5L
ISC-P IX 16 17 51 55 55.14N 156.46W 5–0 6.1,5.5L
GFZ IX 16 17 51 56.3–.16 55N–2.0 157W–2.0 22–0 6.0b,5.9L
GFZ IX 16 17 51 56.3 55.21N 156.60W 16 5.6W,5.9L
GCMT IX 16 17 51 58.7–.10 54.91N–.01 156.23W–.01 21–0 5.6W,5.9L
BGR IX 16 17 52 05.5 56.39N 158.17W 33 5.7b,5.1s
NEIC IX 16 17 52 06.7 55.17N 156.46W 16 5.6,5.1s
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=7.8km az=4.0.
NEIC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=4.0km az=95.7.
IPGP Moment Tensor Solution. NP1:ϕ_s208.00000°,δ17.00000°,λ58.00000°. NP2:ϕ_s61.00000°,δ76.00000°,λ99.00000°.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.0km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.61 $M_{\theta\theta}$-1.73 $M_{\phi\phi}$0.12 $M_{r\theta}$1.98 $M_{\theta\phi}$-0.89 $M_{\phi r}$1.08 NP1:ϕ_s62.24000°,δ70.46000°,λ85.05000°. NP2:ϕ_s256.76000°,δ20.13000°,λ103.66000°. Principal axes: T 2.6900,Plg64.0000°,Azm324.0000°; N 0.4599,Plg5.0000°,Azm64.0000°; P -3.1499,Plg25.0000°,Azm156.0000° $M_0$2.95000×10^{17}
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.9km az=157.0. hypocenter. manual.
ISC-P Moment Tensor Solution. s55 Moment tensor: Scale 10^{18}Nm; M_{rr}0.51±.26 $M_{\theta\theta}$0.65±.20; $M_{\phi\phi}$-0.33±.13; $M_{r\theta}$0.28±.16; $M_{\theta\phi}$0.15±.16; $M_{\phi r}$0.03±.14; NP1:ϕ_s139.90000°,δ55.30000°,λ22.80000°. NP2:ϕ_s36.50000°,δ71.40000°,λ143.10000°. $M_0$1.76000×10^{18}
GFZ Error ellipse: s-maj=5.2km s-min=3.6km az=179.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.96 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$-0.24 $M_{r\theta}$2.58 $M_{\theta\phi}$-0.40 $M_{\phi r}$1.17 NP1:ϕ_s65.23081°,δ80.72366°,λ91.53092°. NP2:ϕ_s235.81691°,δ9.40072°,λ80.71031°. Principal axes: T 2.9941,Plg54.2519°,Azm337.0838°; N -0.0137,Plg1.5109°,Azm244.9840°; P -2.9804,Plg35.7061°,Azm153.8977° $M_0$2.98726×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109161751A. Moment Tensor Solution. s131,c253; s154,c313;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.61±.03 $M_{\theta\theta}$-1.29±.02; $M_{\phi\phi}$-0.31±.02; $M_{r\theta}$2.54±.08; $M_{\theta\phi}$-0.86±.02; $M_{\phi r}$0.96±.05; Best double couple: NP1:ϕ_s230.00000°,δ17.00000°,λ73.00000°. NP2:ϕ_s68.00000°,δ74.00000°,λ95.00000°. Principal axes: T 3.1350,Plg61.0000°,Azm345.0000°; N 0.1510,Plg5.0000°,Azm247.0000°; P -3.2790,Plg29.0000°,Azm154.0000° $M_0$3.20700×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$-0.06 $M_{r\theta}$2.81 $M_{\theta\phi}$-0.63 $M_{\phi r}$2.09 NP1:ϕ_s256.02000°,δ9.47000°,λ112.14000°. NP2:ϕ_s53.61000°,δ81.24000°,λ86.40000°. Principal axes: T 3.5657,Plg54.0000°,Azm319.0000°; N 0.2381,Plg4.0000°,Azm54.0000°

; P -3.8038,Plg36.0000°,Azm147.0000° $M_0$3.69000×10^{17}

NEIC	**IX**	**24 16 57 38.8–.81**	**54.48N–.02**	**159.77W–.04**	**20–11**	**3.3L,2.9L**			
AEIC	IX	24 16 57 39.0–1.2	54.47N–.03	159.7W–.10	17–5	3.3L,2.9L			¶622499404

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**IX**	**30 10 53 51.0–.67**	**54.41N–.07**	**159.65W–.04**	**35**	**3.8b**	**65**	**0-82**	
IDC	IX	30 10 53 46.4–.98	54.47N	159.83W	0	3.7L,3.7b			¶621147759
NEIC	IX	30 10 53 50.1–1.2	54.35N–.06	159.65W–.08	29–7	3.3L,3.7b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**01 14 12 52.2–.27**	**55.99N–.04**	**156.40W–.02**	**46–2**	**5.3b,4.1s**	**1125**	**0-153**	
IDC	X	01 14 12 46.0–.50	55.97N	156.62W	0	5.0b,5.0			¶621116081
MOS	X	01 14 12 47.2–.99	56.04N	156.49W	18	5.5b,5.0			
BJI	X	01 14 12 49.0	56.00N	156.50W	48	5.3b,5.2b			
NEIC	X	01 14 12 51.8	55.96N	156.36W	39	5.3b,5.2b			
NEIC	X	01 14 12 51.8	55.96N	156.36W	40	5.3b,5.2b			
NEIC	X	01 14 12 51.7–1.4	55.95N–.04	156.35W–.06	42–4	5.3b,5.0L			
AEIC	X	01 14 12 52.7–1.4	55.91N–.05	156.33W–.08	45–4	5.3b,5.0L			
GCMT	X	01 14 12 52.4–.20	56.01N–.02	156.40W–.02	39–0	5.0W,5.0L			
GFZ	X	01 14 12 52.9–.25	56N–3.0	156W–2.0	44–2	6.2,6.2			
BGR	X	01 14 12 54.9	56.49N	157.80W	33	5.2b,4.0s			
NEIC	X	01 14 12 56.2	55.86N	156.18W	36	5.1,4.0s			

ISC Event type ke.

IDC Error ellipse: s-maj=14.3km s-min=9.0km az=177.0.

MOS Error ellipse: s-maj=7.5km s-min=3.9km az=96.6.

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.40 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$1.69 $M_{r\theta}$-0.38 $M_{\theta\phi}$2.30 $M_{\phi r}$2.13 NP1:ϕ_s71.73000°,δ44.53000°,λ-22.60000°. NP2:ϕ_s178.26000°,δ74.36000° ,λ-132.25000°. Principal axes: T 3.7286,Plg18.0000°,Azm298.0000°; N -0.4412,Plg40.0000° ,Azm192.0000°; P -3.2873,Plg44.0000°,Azm47.0000° $M_0$3.53000×10^{16}

AEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.1km az=151.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110011412A. Moment Tensor Solution. s65,c101; s107,c173;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.16 $M_{\theta\theta}$-0.59±.15; $M_{\phi\phi}$2.69±.10; $M_{r\theta}$-0.38±.15; $M_{\theta\phi}$3.52±.09; $M_{\phi r}$2.17±.10; Best double couple: NP1:ϕ_s72.00000° ,δ52.00000°,λ-22.00000°. NP2:ϕ_s176.00000°,δ72.00000°,λ-140.00000°. Principal axes: T 5.3030,Plg13.0000°,Azm300.0000°; N -1.1900,Plg47.0000°,Azm196.0000° ; P -4.1160,Plg40.0000°,Azm41.0000° $M_0$4.71000×10^{16}

GFZ Error ellipse: s-maj=6.3km s-min=3.8km az=12.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

BGR Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 1$\pm$8 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.04 $M_{\theta\theta}$0.41 $M_{\phi\phi}$2.62 $M_{r\theta}$-0.24 $M_{\theta\phi}$3.44 $M_{\phi r}$1.67 NP1:ϕ_s66.31000°,δ45.86000° ,λ-42.95000°. NP2:ϕ_s189.27000°,δ60.73000°,λ-127.02000°. Principal axes: T 5.3129,Plg8.0000°,Azm305.0000°; N -1.3648,Plg32.0000°,Azm210.0000° ; P -3.9482,Plg57.0000°,Azm48.0000° $M_0$4.78000×10^{16}

ISC	**X**	**21 08 24 41.2–1.6**	**55.59N–.05**	**154.66W–.04**	**3–9**	**4.5b**	**221**	**1-145**	
NEIC	X	21 08 24 40.7–1.1	55.49N–.05	154.75W–.05	10–1	4.6b,4.5L			¶621261397
AEIC	X	21 08 24 41.5–1.0	55.50N–.05	154.80W–.09	6–4	4.6b,4.5L			
IDC	X	21 08 24 52.2–2.4	56.06N	154.45W	73–20	4.3,4.0b			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.1km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.8km az=87.0. hypocenter. manual.

IDC Error ellipse: s-maj=19.2km s-min=10.2km az=18.0.

ISC	**X**	**10 00 17 51.8–2.2**	**54.6N–.20**	**157.29W–.08**	**35**	**3.6b**	**28**	**1-83**	
NEIC	X	10 00 17 49.5–1.0	54.56N–.09	157.34W–.08	10–2	3.3L			¶621235358
IDC	X	10 00 18 01.3–3.8	55.62N	157.42W	0	3.5b,3.4			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.5km s-min=6.0km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=87.1km s-min=22.0km az=155.0.

ISC	**X**	**13 11 34 18.6–2.9**	**55.13N–.06**	**156.29W–.04**	**9–18**	**4.5b,3.5s**	**239**	**2-145**	
IDC	X	13 11 34 18.0–.77	55.14N	156.54W	0	4.3b,4.2			¶621147909
NEIC	X	13 11 34 18.9–1.2	55.06N–.04	156.40W–.04	10–1	4.5b,4.1L			
AEIC	X	13 11 34 21.3–1.3	54.91N–.06	156.23W–.09	4–4	4.5b,4.1L			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

NEIC	**X**	**19 02 08 43.0–.51**	**55.77N–.06**	**155.50W–.07**	**24–8**	**3.5L,3.4L**			
AEIC	X	19 02 08 44.5–.78	55.82N–.07	155.52W–.09	20–7	3.5L,3.4L			¶622505899

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**XI**	**04 23 39 17.8–.72**	**54.75N–.06**	**156.89W–.04**	**10**	**4.2b,3.2s**	**139**	**1-85**	
NEIC	XI	04 23 39 17.6–1.2	54.69N–.05	156.91W–.07	10–1	3.4L,3.4L			¶621412321
IDC	XI	04 23 39 17.4–1.2	54.80N	156.96W	0	4.0b,4.0			
AEIC	XI	04 23 39 20.6–1.8	54.57N–.06	156.78W–.07	5–5	4.0b,4.0			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**X**	**31 16 37 45.7–.27**	**54.85N–.03**	**158.71W–.02**	**29–1**	**5.5b,5.5s**	**1604**	**1-164**	
BGR	X	31 16 37 31.0	52.45N	164.05W	33	5.2b,5.5s			¶621244750
MOS	X	31 16 37 43.1–.86	54.98N	158.87W	17	5.8b,5.5s			
IDC	X	31 16 37 44.8–2.5	54.96N	158.87W	17–15	5.3s,5.2b			
BJI	X	31 16 37 44.0	55.00N	158.80W	34	5.8s,5.8b			
NEIC	X	31 16 37 45.6	54.92N	158.69W	22	5.8s,5.8b			
AEIC	X	31 16 37 45.0–2.0	54.77N–.05	158.55W–.05	10–3	5.8s,5.8b			
ISC-P	X	31 16 37 46	54.91N	158.72W	28–0	6.0,5.8b			
NEIC	X	31 16 37 46	54.90N	158.72W	25	6.0,5.8b			
NEIC	X	31 16 37 46.0–1.5	54.91N–.04	158.72W–.02	25–1	5.7L,5.6			
NEIC	X	31 16 37 46	54.90N	158.72W	25	5.7L,5.6			
IPGP	X	31 16 37 47.0	54.95N	158.75W	28	5.7W,5.6			
GFZ	X	31 16 37 47.0–.21	55N–2.0	159W–2.0	29–1	6.1b,5.8			
GFZ	X	31 16 37 47.0	54.92N	158.81W	31	5.6W,5.8			
GCMT	X	31 16 37 49.4–.10	54.79N–.01	158.52W–.01	33–0	5.7W,5.8			
NEIC	X	31 16 37 54.9	54.92N	158.69W	22	5.6,5.8			

ISC Event type ke.

BGR Event type ke.

MOS Error ellipse: s-maj=8.0km s-min=3.9km az=97.6.

IDC Error ellipse: s-maj=11.6km s-min=8.3km az=154.0.

NEIC Event type se.

AEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.4km az=172.0. hypocenter. manual.

ISC-P Moment Tensor Solution. s56 Moment tensor: Scale 10^{18}Nm; M_{rr}0.62±.13 $M_{\theta\theta}$-0.66±.14; $M_{\phi\phi}$0.08±.15; $M_{r\theta}$0.07±.14; $M_{\theta\phi}$-0.07±.11; $M_{\phi r}$0.27±.28; NP1:ϕ_s114.00000°,δ49.10000° ,λ98.00000°. NP2:ϕ_s281.90000°,δ41.50000°,λ80.90000°. $M_0$1.38000×10^{18}

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=7.0km s-min=2.7km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.59 $M_{\theta\theta}$-2.64 $M_{\phi\phi}$0.05 $M_{r\theta}$2.05 $M_{\theta\phi}$-0.49 $M_{\phi r}$0.95 NP1:ϕ_s70.27000°,δ65.34000°,λ81.37000°. NP2:ϕ_s270.26000°,δ26.04000° ,λ108.10000°. Principal axes: T 3.4622,Plg68.0000°,Azm323.0000°; N 0.0581,Plg8.0000° ,Azm74.0000°; P -3.5203,Plg20.0000°,Azm167.0000° $M_0$3.49000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.63 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-0.35 $M_{r\theta}$2.05 $M_{\theta\phi}$-0.61 $M_{\phi r}$0.85 NP1:ϕ_s194.48000°,δ13.75000°,λ38.63000°. NP2:ϕ_s66.66000°,δ81.46000° ,λ100.83000°. Principal axes: T 2.3034,Plg52.0000°,Azm349.0000°; N 0.1136,Plg11.0000° ,Azm245.0000°; P -2.4170,Plg36.0000°,Azm147.0000° $M_0$2.36000×10^{17}

NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s228.00000°,δ23.00000°,λ76.00000°. NP2:ϕ_s63.00000° ,δ67.00000°,λ96.00000°.

GFZ Error ellipse: s-maj=4.5km s-min=3.6km az=178.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.47 $M_{\theta\theta}$-2.42 $M_{\phi\phi}$-0.06 $M_{r\theta}$1.54 $M_{\theta\phi}$-0.66 $M_{\phi r}$0.53 NP1: ϕ_s73.01778°,δ61.37519°,λ87.63388°. NP2:ϕ_s257.94736°,δ28.71419°,λ94.32583°. Principal axes: T 2.9524,Plg73.5176°,Azm337.1120°; N 0.1109,Plg2.0768°,Azm74.1518° ; P -3.0632,Plg16.3436°,Azm164.7611° $M_0$3.00932×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110311637A. Moment Tensor Solution. s147,c304; s155,c338;Duration: 1$\pm$7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.78±.04 $M_{\theta\theta}$-2.43±.03; $M_{\phi\phi}$-0.35±.03; $M_{r\theta}$2.80±.05; $M_{\theta\phi}$-1.24±.02; $M_{\phi r}$1.00±.04; Best double couple: NP1: ϕ_s240.00000°,δ22.00000°,λ82.00000°. NP2:ϕ_s69.00000°,δ68.00000°,λ93.00000°. Principal axes: T 4.0430,Plg67.0000°,Azm345.0000°; N 0.2090,Plg3.0000°,Azm248.0000° ; P -4.2570,Plg23.0000°,Azm156.0000° $M_0$4.15000×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3$\pm$5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.79 $M_{\theta\theta}$-1.65 $M_{\phi\phi}$-0.14 $M_{r\theta}$2.85 $M_{\theta\phi}$-1.00 $M_{\phi r}$1.39 NP1:ϕ_s242.78000°,δ15.92000° ,λ88.83000°. NP2:ϕ_s63.99000°,δ74.08000°,λ90.33000°. Principal axes: T 3.5569,Plg61.0000°,Azm334.0000°; N 0.3609,Plg0.0000°,Azm244.0000° ; P -3.9177,Plg29.0000°,Azm154.0000° $M_0$3.75000×10^{17}

ISC	**XI**	**01 10 14 43.7–1.0**	**55.60N–.06**	**155.74W–.04**	**28–7**	**4.1b,3.4s**	**164**	**0-145**	
IDC	XI	01 10 14 40.5–.77	55.66N	156.09W	0	4.1b,4.0			¶621401260
NEIC	XI	01 10 14 43.3–1.1	55.55N–.06	155.79W–.05	23–5	4.2b,3.9L			
AEIC	XI	01 10 14 43.5–.96	55.47N–.07	155.72W–.05	26–4	4.2b,3.9L			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

NEIC	**XI**	**15 09 17 48.9–1.5**	**55.92N–.04**	**155.61W–.06**	**10–2**	**3.1L,2.8L**			
AEIC	XI	15 09 17 47.6–1.3	55.67N–.03	155.48W–.06	10–2	3.1L,2.8L			¶622511679

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**XI**	**04 19 17 15.7–.79**	**54.77N–.06**	**156.88W–.03**	**9–4**	**4.6b,3.5s**	**313**	**1-154**	
BJI	XI	04 19 17 13.2	54.80N	156.90W	10	4.8b,4.8b			¶621309694
IDC	XI	04 19 17 14.1–.73	54.61N	156.90W	0	4.3L,4.3b			
MOS	XI	04 19 17 14.8–.80	54.88N	156.94W	10	4.7b,4.3b			
NEIC	XI	04 19 17 16.0–1.4	54.73N–.04	156.92W–.05	10–1	4.5b,3.9L			
AEIC	XI	04 19 17 16.3–3.3	54.54N–.07	156.80W–.08	25–5	4.5b,3.9L			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**XI**	**15 09 19 12.7–.00**	**55.98N–.03**	**155.65W–.03**	**7–6**	**4.8b,3.4s**	**444**	**0-159**	
BJI	XI	15 09 19 10.2	56.00N	155.70W	10	4.9b,4.8b			¶621405034
IDC	XI	15 09 19 11.9–.45	56.00N	155.89W	0	4.6b,4.5			
NEIC	XI	15 09 19 12.8–1.2	55.94N–.06	155.65W–.03	9–3	4.9b,4.6L			
NEIC	XI	15 09 19 13.2	55.92N	155.64W	13	4.9b,4.6L			
AEIC	XI	15 09 19 13.8–2.5	55.80N–.04	155.51W–.07	8–2	4.9b,4.6L			
GFZ	XI	15 09 19 17.8–.34	56N–6.0	156W–4.0	37	4.8b,4.8			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.76 $M_{\theta\theta}$2.69 $M_{\phi\phi}$0.07 $M_{r\theta}$0.91 $M_{\theta\phi}$-1.60 $M_{\phi r}$2.06 NP1:ϕ_s143.75000°,δ54.03000°,λ-48.22000°. NP2:ϕ_s267.07000°,δ52.88000° ,λ-132.55000°. Principal axes: T 3.4510,Plg1.0000°,Azm206.0000°; N 0.7492,Plg33.0000° ,Azm296.0000°; P -4.2002,Plg57.0000°,Azm115.0000° $M_0$3.88000×10^{15}

NEIC Event type se.

AEIC Event type se. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**18 03 20 47.9–.75**	**54.74N–.05**	**159.66W–.03**	**27–4**	**4.2b,3.2s**	**265**	**0-150**	
IDC	XI	18 03 20 44.3–.77	54.91N	159.81W	0	4.1L,4.0b			¶621532458
NEIC	XI	18 03 20 48.1–1.3	54.73N–.05	159.65W–.06	25–4	4.4L,4.3b			
AEIC	XI	18 03 20 49.2–1.4	54.68N–.06	159.63W–.07	26–4	4.4L,4.3b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**XI**	**23 11 14 05.1–2.0**	**54.79N–.06**	**156.89W–.04**	**5–12**	**3.7b**	**88**	**1-145**	
NEIC	XI	23 11 14 05.5–1.2	54.72N–.06	156.87W–.07	10–1	3.8b,3.3L			¶621611948
IDC	XI	23 11 14 05.7–1.3	54.63N	156.75W	0	3.5,3.4b			
AEIC	XI	23 11 14 09.1–1.7	54.74N–.07	156.90W–.05	33–6	3.5,3.4b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**XI**	**23 11 23 17.9–1.9**	**54.93N–.07**	**156.95W–.04**	**11–11**	**3.8b**	**104**	**1-72**	
IDC	XI	23 11 23 17.2–2.0	55.12N	157.26W	0	3.7b,3.5			¶621611949
NEIC	XI	23 11 23 19.5–1.3	54.88N–.04	157.00W–.03	27–6	3.4L,3.3L			
AEIC	XI	23 11 23 19.1–2.2	54.67N–.07	156.93W–.07	25–6	3.4L,3.3L			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**XII**	**13 13 49 44.7–3.2**	**55.22N–.05**	**156.73W–.04**	**5–20**	**4.0b**	**155**	**1-83**	
NEIC	XII	13 13 49 46.1–.85	55.23N–.04	156.81W–.04	10–1	4.1b,3.9L			¶621650574
IDC	XII	13 13 49 48.9–1.3	56.02N	157.23W	0	3.7b,3.7			
AEIC	XII	13 13 49 48.8–.77	55.20N–.05	156.74W–.06	25–4	3.7b,3.7			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**XII**	**06 08 15 46.5–3.3**	**54.99N–.07**	**157.66W–.04**	**23–16**	**4.2b,3.5s**	**121**	**1-145**	
NEIC	XII	06 08 15 44.5–1.5	55.05N–.05	157.65W–.07	10–1	4.2b,4.0L			¶621632589
IDC	XII	06 08 15 46.7–1.8	55.07N	157.53W	0	4.0b,4.0			
AEIC	XII	06 08 15 47.6–3.1	55.04N–.06	157.71W–.09	46–6	4.0b,4.0			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**XII**	**06 22 20 46.9–1.4**	**55.80N–.04**	**156.08W–.03**	**13–8**	**4.5b,3.5s**	**224**	**0-146**	
IDC	XII	06 22 20 45.8–.68	55.91N	156.37W	0	4.2b,4.2			¶621615800
NEIC	XII	06 22 20 48.0–2.5	55.73N–.03	156.06W–.04	21–4	4.5b,4.3L			
AEIC	XII	06 22 20 49.8–2.3	55.69N–.03	155.96W–.06	28–4	4.5b,4.3L			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

NEIC	**XII**	**04 12 03 13.9–.83**	**54.42N–.07**	**159.66W–.09**	**31–10**	**2.9L,2.7L**			
AEIC	XII	04 12 03 14.6–1.9	54.45N–.04	159.79W–.09	21–8	2.9L,2.7L			¶622511983

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.

ISC	**XII**	**14 00 02 11.0–.65**	**54.91N–.04**	**158.02W–.03**	**6–3**	**4.7b,3.7s**	**467**	**1-145**	
IDC	XII	14 00 02 10.7–.67	55.01N	158.11W	0	4.3L,4.3b			¶621629131
NEIC	XII	14 00 02 11.6–1.3	54.86N–.04	157.93W–.06	10–1	4.7b,4.5L			
NEIC	XII	14 00 02 11.6	54.92N	158.01W	10	4.7b,4.5L			
AEIC	XII	14 00 02 11.8–1.4	54.82N–.05	157.89W–.05	2–4	4.7b,4.5L			
MOS	XII	14 00 02 11.0–.93	55.13N	158.00W	11	4.9b,4.5L			
GFZ	XII	14 00 02 13.6–.32	55N–6.0	158W–4.0	10	5.9b,5.5			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.31 $M_{\theta\theta}$0.40 $M_{\phi\phi}$2.91 $M_{r\theta}$-0.58 $M_{\theta\phi}$-2.69 $M_{\phi r}$1.08 NP1:ϕ_s149.60000°,δ53.59000°,λ-87.22000°. NP2:ϕ_s324.93000° ,δ36.51000°,λ-93.76000°. Principal axes: T 4.8014,Plg9.0000°,Azm238.0000° ; N -1.3044,Plg2.0000°,Azm328.0000°; P -3.4971,Plg81.0000°,Azm72.0000° $M_0$4.30000×10^{15}

NEIC Event type se.

AEIC Event type se. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 14 04 37 16.6–2.6 54.88N–.07 157.03W–.04 8–16 4.0b 138 1-75
IDC XII 14 04 37 15.9–1.6 54.81N 157.17W 0 3.8,3.7L **¶621629142**
NEIC XII 14 04 37 16.0–1.4 54.69N–.02 157.05W–.08 10–1 4.1b,3.4L
AEIC XII 14 04 37 17.9–1.2 54.62N–.07 156.86W–.08 21–6 4.1b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 19 23 18 03.8–2.3 55.19N–.05 156.77W–.05 1–14 4.3b,3.5s 198 2-145
IDC XII 19 23 18 05.2–1.1 55.41N 157.09W 0 4.0b,4.0 **¶621633810**
NEIC XII 19 23 18 05.4–.72 55.17N–.05 156.73W–.06 11–2 4.3b,4.1L
AEIC XII 19 23 18 05.9–.93 55.16N–.05 156.71W–.08 3–6 4.3b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 14 01 22 44.9–1.9 54.89N–.06 158.01W–.03 16–11 4.4b,3.5s 241 1-145
IDC XII 14 01 22 43.1–.71 55.04N 158.16W 0 4.5L,4.2b **¶621629132**
NEIC XII 14 01 22 44.4–.94 54.89N–.05 157.98W–.07 10–1 4.6b,4.2L
AEIC XII 14 01 22 45.7–1.4 54.79N–.06 157.85W–.08 18–4 4.6b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 14 19 06 00.8–2.7 54.48N–.08 158.83W–.04 6–17 3.8b 156 1-55
NEIC XII 14 19 06 01.5–2.8 54.39N–.07 158.87W–.10 19–9 3.7b,3.4L **¶621652949**
AEIC XII 14 19 06 05.9–4.5 54.38N–.06 159.03W–.08 25–8 3.7b,3.4L
IDC XII 14 19 06 12.3–2.7 55.84N 160.37W 0 3.6L,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.6km az=152.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.4km az=157.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.1km s-min=19.9km az=165.0.
ISC XII 22 01 50 30.3–1.2 54.63N–.07 159.72W–.04 28–7 4.0b 114 0-84
IDC XII 22 01 50 26.2–1.1 54.67N 159.81W 0 3.6b,3.6 **¶621637441**
NEIC XII 22 01 50 29.7–1.0 54.58N–.02 159.70W–.07 22–6 3.7L,3.7b
AEIC XII 22 01 50 29.9–1.1 54.54N–.03 159.68W–.07 12–4 3.7L,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 19 18 26 02.5–1.7 55.15N–.07 156.88W–.04 23–13 3.2b 70 1-83
NEIC XII 19 18 26 01.2–1.1 55.15N–.04 156.86W–.04 10–2 3.3L,3.2L **¶621633800**
AEIC XII 19 18 26 01.6–1.4 55.15N–.06 156.86W–.08 0–7 3.3L,3.2L
IDC XII 19 18 26 03.7–1.5 55.93N 157.61W 0 3.4b,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.5km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.2km az=144.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.6km s-min=14.8km az=150.0.
ISC XII 25 10 15 54.6–1.4 55.18N–.05 156.87W–.03 23–10 4.5b,3.7s 447 1-153
IDC XII 25 10 15 51.6–.58 55.35N 157.16W 0 4.3b,4.3 **¶621653364**
NEIC XII 25 10 15 53.4–1.2 55.18N–.06 156.84W–.05 17–4 4.6L,4.5b
NEIC XII 25 10 15 53.7 55.15N 156.84W 20 4.6L,4.5b
AEIC XII 25 10 15 55.9–1.3 55.15N–.06 156.80W–.07 2–4 4.6L,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.07 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-1.91 $M_{r\theta}$1.40 $M_{\theta\phi}$-1.12 $M_{\phi r}$0.90 NP1:ϕ_s44.74000°,δ63.86000°,λ109.24000°. NP2:ϕ_s186.36000°,δ32.05000° ,λ56.12000°. Principal axes: T 2.7733,Plg66.0000°,Azm349.0000°; N 0.1119,Plg17.0000° ,Azm216.0000°; P -2.8852,Plg17.0000°,Azm121.0000° $M_0$2.83000×10^{15}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
ISC XII 23 08 24 30.2–1.9 54.81N–.09 158.60W–.06 23–13 3.7b,3.4s 76 1-72
IDC XII 23 08 24 15.6–2.6 53.50N 156.79W 0 4.0b,3.7 **¶621648367**
NEIC XII 23 08 24 31.2–1.3 54.84N–.06 158.75W–.06 17–9 3.6L,3.5L
AEIC XII 23 08 24 31.4–2.4 54.73N–.06 158.56W–.08 31–8 3.6L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 25 23 10 11.3–1.6 54.89N–.06 157.91W–.04 3–10 4.4b 306 1-150
NEIC XII 25 23 10 11.7–1.2 54.85N–.05 157.96W–.06 6–5 4.5b,4.1L **¶621653481**
IDC XII 25 23 10 12.0–.82 55.08N 158.09W 0 4.6L,4.1b
AEIC XII 25 23 10 13.0–1.1 54.82N–.05 157.90W–.06 5–4 4.6L,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

SEISMIC REGION 2.
Eastern Alaska to Vancouver Island.

(18) Southern Yukon Territory.

ISC IX 13 00 10 49.0–1.9 64.74N–.03 140.26W–.04 8–14 53 1-5
NEIC IX 13 00 10 49.0–.76 64.76N–.02 140.31W–.07 9–6 2.6L,2.3L **¶621073490**
AEIC IX 13 00 10 50.4–1.3 64.73N–.03 140.26W–.09 24–7 2.6L,2.3L
PGC IX 13 00 10 52.6–.14 64.63N 140.12W 15 2.6L,2.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.2km az=65.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.2km az=96.0. hypocenter. manual.
PGC Event type ke. 70km northwest of Dawson, Yt Southern Yukon Territory, Canada.
PGC IX 21 05 37 15.8–.10 63.89N 140.04W 1 3.7L
¶624741719
PGC Event type ke. 218km southwest of Norman Wells, Nt Southern Yukon Territory, Canada.
ISC X 01 10 05 52.2–.77 64.94N–.04 133.46W–.05 9 51 2-53
IDC X 01 10 05 51.8–.93 64.87N 133.59W 0 3.9,3.8L **¶621116386**
PGC X 01 10 05 52.7–.04 64.87N 133.70W 1 4.0L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=12.7km s-min=9.8km az=66.0.
PGC Event type ke. 131km northeast of Keno, Yt Southern Yukon Territory, Canada.
ISC X 19 21 49 44.0–1.1 60.05N–.02 138.19W–.02 6–10 114 0-8
AEIC X 19 21 49 43.9–1.4 60.06N–.02 138.18W–.04 3–6 **¶621221464**
NEIC X 19 21 49 44.3–1.2 60.05N–.02 138.21W–.04 3–7 3.4L,3.2L
PGC X 19 21 49 44.7–.02 60.03N 138.14W 5–0 3.5L,3.4L
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.7km az=172.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.7km s-min=2.1km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 87km southwest of Haines Junction, Yt Southern Yukon Territory, Canada.

(19) Southeastern Alaska.

ISC VII 05 20 40 54.2–1.3 58.34N–.03 133.46W–.03 0–12 49 1-11
NEIC VII 05 20 40 54–1.6 58.35N–.02 133.44W–.05 1–2 3.1L,2.7L **¶620734238**
PGC VII 05 20 40 55.8–1.4 58.32N 133.53W 0–0 3.5L,2.7L
AEIC VII 05 20 40 58.7–4.3 58.26N–.02 134.0W–.10 3–6 3.5L,2.7L
ISC Event type ke.
NEIC smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 51km east of Juneau, Alaska, Usa Southeastern Alaska.
AEIC hypocenter. manual.
ISC VII 06 12 47 34.7–1.4 58.35N–.03 133.48W–.04 2–11 74 1-22
NEIC VII 06 12 47 34.3–1.2 58.369N–.01 133.49W–.05 1–2 3.1L,2.9L **¶620754152**
IDC VII 06 12 47 35.5–1.4 58.18N 133.45W 0 3.2,2.9L
AEIC VII 06 12 47 35.8–3.0 58.28N–.01 133.67W–.04 4–5 3.2,2.9L
PGC VII 06 12 47 35.2–.04 58.34N 133.47W 1 3.5L,2.9L
ISC Event type ke.
NEIC Error ellipse: s-maj=4.8km s-min=3.0km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=12.7km az=39.0.
AEIC Error ellipse: s-maj=3.2km s-min=1.5km az=58.0. hypocenter. manual.
PGC Event type ke. 54km east of Juneau, Alaska, Usa Southeastern Alaska.
ISC VII 08 20 40 16.5–.50 59.17N–.02 136.30W–.03 4–3 4.7b,4.1s 386 0-149
NEIC VII 08 20 40 16.6–.77 59.15N–.02 136.23W–.05 11–6 4.6b,4.5 **¶620783811**
AEIC VII 08 20 40 16.3–1.3 59.16N–.02 136.26W–.05 7–6 4.6b,4.5
IDC VII 08 20 40 16.3–.51 59.28N 136.25W 0 4.4L,4.3b
NEIC VII 08 20 40 16.6 59.15N 136.21W 10 4.4L,4.3b
PGC VII 08 20 40 17.2–.66 59.20N 136.25W 8–0 4.4L,4.4L
GFZ VII 08 20 40 19.1–.36 59N–5.0 136W–8.0 10 4.8,4.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.74 $M_{\theta\theta}$-1.89 $M_{\phi\phi}$-2.86 $M_{r\theta}$0.01 $M_{\theta\phi}$3.27 $M_{\phi r}$-3.72 NP1:ϕ_s297.02000°,δ35.12000°,λ51.27000°. NP2:ϕ_s161.46000°,δ63.33000° ,λ113.75000°. Principal axes: T 6.4615,Plg64.0000°,Azm111.0000°; N -0.0168,Plg21.0000° ,Azm330.0000°; P -6.4447,Plg15.0000°,Azm234.0000° $M_0$6.45000×10^{15}
AEIC Event type se. hypocenter. manual.
NEIC Event type se.
PGC Event type ke. 63km southwest of Skagway, Ak Southeastern Alaska.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VII 08 20 53 42.9–1.1 59.17N–.02 136.25W–.02 6–7 4.0b 141 0-149
NEIC VII 08 20 53 42.9–1.4 59.17N–.01 136.27W–.04 6–5 3.6L,3.6L **¶620928197**
IDC VII 08 20 53 42.8–.80 59.26N 136.26W 0 3.8b,3.8
AEIC VII 08 20 53 43.1–1.2 59.16N–.01 136.26W–.05 6–5 3.8b,3.8
PGC VII 08 20 53 43.4–.41 59.18N 136.32W 1–0 3.8L,3.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=1.1km az=57.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.1km s-min=8.4km az=34.0.
AEIC Event type se. Error ellipse: s-maj=4.2km s-min=1.5km az=78.0. hypocenter. manual.
PGC Event type ke. 67km southwest of Skagway, Ak Southeastern Alaska.
ISC VIII 12 09 09 57.9–1.3 59.97N–.03 141.95W–.02 10–10 100 0-10
NEIC VIII 12 09 09 58.5–1.8 59.963N–.01 142.03W–.02 10–1 3.0L,2.8L **¶620983523**
AEIC VIII 12 09 09 59.8–3.2 60.03N–.02 142.00W–.02 6–6 3.0L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 20 11 14 27.7–1.6 58.32N–.04 133.44W–.05 2–14 38 1-8
NEIC VIII 20 11 14 28.3–1.2 58.34N–.03 133.45W–.01 1–2 2.9L,2.7L **¶620998523**
AEIC VIII 20 11 14 28.1–.94 58.33N–.02 133.45W–.07 0–6 2.9L,2.7L
PGC VIII 20 11 14 28.9–.07 58.30N 133.41W 1 3.6L,2.7L
ISC Event type ke.
NEIC Error ellipse: s-maj=4.4km s-min=3.0km az=166.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Error ellipse: s-maj=5.2km s-min=1.7km az=70.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0. 58km east of Juneau, Alaska, Usa Southeastern Alaska.
ISC VIII 19 10 11 44.0–.79 58.35N–.04 133.51W–.04 3 43 0-22
NEIC VIII 19 10 11 43.5–1.3 58.32N–.02 133.49W–.06 1–2 3.1L,2.9L **¶620997098**
AEIC VIII 19 10 11 43.3–2.0 58.34N–.03 133.55W–.06 0–1 3.1L,2.9L
IDC VIII 19 10 11 44.8–1.3 58.38N 133.40W 0 3.2,2.8L
ISC Event type se.
NEIC Error ellipse: s-maj=5.2km s-min=3.0km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Error ellipse: s-maj=4.4km s-min=4.3km az=95.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=11.5km az=34.0.
ISC VIII 21 01 27 32.5–.88 58.37N–.03 133.49W–.03 10 43 0-6
NEIC VIII 21 01 27 32.5–1.9 58.37N–.02 133.53W–.05 1–2 3.0L,2.7L **¶620999180**
AEIC VIII 21 01 27 32.9–1.8 58.34N–.02 133.56W–.05 0–6 3.0L,2.7L
PGC VIII 21 01 27 33.1–.05 58.28N 133.54W 1 3.5L,3.0L
ISC Event type ke.
NEIC Error ellipse: s-maj=5.0km s-min=3.5km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Error ellipse: s-maj=4.5km s-min=2.7km az=62.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 51km east of Juneau, Alaska, Usa Southeastern Alaska.
ISC VIII 20 11 44 49.7–1.3 58.35N–.03 133.48W–.03 5–12 47 0-8
AEIC VIII 20 11 44 49.7–.82 58.34N–.03 133.45W–.06 0–6 **¶620998524**
NEIC VIII 20 11 44 49.7–.81 58.343N–.01 133.46W–.07 1–2 3.1L,2.9L
PGC VIII 20 11 44 50.6–.26 58.28N 133.61W 3–3 3.5L,2.9L
ISC Event type ke.
AEIC Error ellipse: s-maj=5.1km s-min=3.3km az=60.0. hypocenter. manual.
NEIC Error ellipse: s-maj=5.8km s-min=3.0km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0. 46km east of Juneau, Alaska, Usa Southeastern Alaska.
ISC IX 05 01 26 49.9–.92 59.99N–.03 140.17W–.02 13–6 79 0-5
NEIC IX 05 01 26 49.8–1.4 59.95N–.04 140.22W–.07 10–2 3.0L **¶626682203**
PGC IX 05 01 26 50.5–.04 59.99N 140.11W 12–0 4.0L,3.1L
AEIC IX 05 01 26 50.3–1.7 59.99N–.03 140.17W–.03 3–7 4.0L,3.1L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 50km northeast of Yakutat, Ak Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
ISC VIII 22 18 32 13.3–.84 58.34N–.03 133.46W–.03 10 57 0-6
AEIC VIII 22 18 32 12.3–2.1 58.36N–.05 133.46W–.06 0–6 **¶620999692**
NEIC VIII 22 18 32 13.0–1.2 58.28N–.03 133.51W–.04 1–2 3.0L,2.9L
PGC VIII 22 18 32 13.3–.12 58.30N 133.50W 3–1 3.6L,2.9L
ISC Event type ke.
AEIC Error ellipse: s-maj=7.4km s-min=4.6km az=192.0. hypocenter. manual.
NEIC Error ellipse: s-maj=6.2km s-min=3.0km az=338.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 53km east of Juneau, Alaska, Usa Southeastern Alaska.
ISC IX 01 14 47 07.1–.79 60.11N–.03 140.98W–.02 13–5 127 0-6
NEIC IX 01 14 47 06.8–1.4 60.12N–.02 140.94W–.03 14–2 2.6L,2.4L **¶621309511**
AEIC IX 01 14 47 07.5–1.4 60.16N–.02 140.93W–.03 13–2 2.6L,2.4L
PGC IX 01 14 47 08.4–.03 60.15N 141.06W 6–0 2.6L,2.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.2km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=2.9km s-min=2.4km az=191.0. hypocenter. manual.
PGC Event type ke. 97km northwest of Yakutat, Ak Southeastern Alaska.
ISC VIII 21 13 19 14.3–1.2 58.35N–.03 133.44W–.03 3–12 31 1-3
NEIC VIII 21 13 19 14.1–1.2 58.34N–.03 133.41W–.02 1–2 3.0L,2.8L **¶620999302**
AEIC VIII 21 13 19 14.9–1.1 58.33N–.02 133.51W–.06 0–6 3.0L,2.8L
PGC VIII 21 13 19 15.7–.06 58.28N 133.59W 1 3.6L,2.7L
ISC Event type ke.
NEIC Error ellipse: s-maj=4.6km s-min=3.0km az=0.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Error ellipse: s-maj=4.7km s-min=3.1km az=66.0. hypocenter. manual.

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 48km east of Juneau, Alaska, Usa Southeastern Alaska.
ISC VIII 22 07 13 30.7–.70 58.29N–.04 133.47W–.03 10 63 0-22
PGC VIII 22 07 13 30.6–.11 58.30N 133.59W 1 3.6L **¶620999440**
NEIC VIII 22 07 13 30.4–1.9 58.36N–.02 133.56W–.02 1–1 3.1L,3.0L
AEIC VIII 22 07 13 30.1–1.4 58.30N–.03 133.49W–.05 0–6 3.1L,3.0L
IDC VIII 22 07 13 30.7–1.7 58.28N 133.41W 0 3.0,2.7L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 47km east of Juneau, Alaska, Usa Southeastern Alaska.
NEIC Error ellipse: s-maj=3.8km s-min=2.9km az=352.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Error ellipse: s-maj=4.3km s-min=3.3km az=208.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.0km s-min=12.2km az=36.0.
ISC IX 05 01 27 06.6–.80 60.01N–.02 140.16W–.02 12–5 4.3b,3.0s 322 0-150
IDC IX 05 01 27 05.4–.52 60.16N 140.14W 0 4.0b,4.0 **¶624741624**
NEIC IX 05 01 27 06.5–1.6 60.00N–.04 140.18W–.04 10–1 4.0,4.0L
PGC IX 05 01 27 06.8–.03 59.98N 140.16W 4–0 4.4L,4.1L
AEIC IX 05 01 27 06.4–1.6 59.93N–.04 140.20W–.04 13–3 4.4L,4.1L
NEIC IX 05 01 27 07.6 60.01N 140.20W 19 4.4L,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=11.7km s-min=8.3km az=35.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=2.7km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$-0.20 $M_{r\theta}$-0.22 $M_{\theta\phi}$-0.61 $M_{\theta r}$0.46 NP1:ϕ_s42.48000°,δ49.22000°,λ61.61000°. NP2:ϕ_s262.09000°,δ48.23000°,λ118.86000°. Principal axes: T 1.4320,Plg69.0000°,Azm243.0000°; N -0.0737,Plg21.0000°,Azm62.0000°; P -1.3583,Plg1.0000°,Azm152.0000° $M_0$1.40000×10^{15}
PGC Event type ke. 50km northwest of Yakutat, Ak Southeastern Alaska.
AEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.1km az=192.0. hypocenter. manual.
NEIC Event type se.
ISC IX 05 02 54 21.4–.86 59.98N–.02 140.15W–.02 12–5 4.3b 213 0-150
IDC IX 05 02 54 20.4–.80 60.14N 140.06W 0 4.0b,3.8 **¶621035466**
NEIC IX 05 02 54 21.9–1.8 59.99N–.03 140.16W–.04 13–1 3.4L,3.3L
AEIC IX 05 02 54 22.9–2.6 60.07N–.03 140.16W–.05 16–2 3.4L,3.3L
PGC IX 05 02 54 22.4–.02 59.97N 140.14W 7–0 3.7L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=14.5km s-min=10.4km az=39.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.5km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.2km az=214.0. hypocenter. manual.
PGC Event type ke. 50km northwest of Yakutat, Ak Southeastern Alaska.
ISC IX 06 07 30 43.5–.86 60.03N–.03 140.12W–.02 15–5 143 0-10
NEIC IX 06 07 30 43.8–1.3 60.04N–.03 140.16W–.04 10–1 3.3L,3.2L **¶622451919**
PGC IX 06 07 30 44.4–.04 59.98N 140.13W 5–0 3.5L,3.2L
AEIC IX 06 07 30 45.1–1.4 60.00N–.02 140.15W–.03 8–4 3.5L,3.2L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 50km northwest of Yakutat, Ak Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
NEIC IX 05 04 15 15.7–1.6 60.03N–.02 140.09W–.05 13–6 3.0L,2.5L
AEIC IX 05 04 15 15.9–2.2 60.01N–.04 140.13W–.06 17–2 3.0L,2.5L **¶621035470**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 05 04 16 00.5–.96 60.00N–.03 140.11W–.02 12–7 166 0-74
IDC IX 05 04 15 59.5–1.1 60.00N 140.07W 0 3.9b,3.5 **¶622451896**
NEIC IX 05 04 16 00.8–1.5 60.04N–.02 140.083W–.01 10–1 3.3L,3.2L
AEIC IX 05 04 16 01.5–1.5 60.02N–.04 140.17W–.04 14–2 3.3L,3.2L
PGC IX 05 04 16 01.8–.06 59.98N 140.17W 7–0 3.6L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=10.1km az=20.0.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.9km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.5km s-min=1.9km az=202.0. hypocenter. manual.
PGC Event type ke. 51km northwest of Yakutat, Ak Southeastern Alaska.
NEIC IX 05 04 32 42.8–1.6 59.99N–.02 140.07W–.06 10–1 2.5L,2.4L
AEIC IX 05 04 32 43.0–1.9 59.98N–.03 140.17W–.03 2–7 2.5L,2.4L **¶621044081**
PGC IX 05 04 32 43.4–.09 59.98N 140.21W 4–1 2.6L,2.4L
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.6km az=236.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.1km az=183.0. hypocenter. manual.
PGC Event type ke. 53km northwest of Yakutat, Ak Southeastern Alaska.
ISC IX 05 04 50 24.6–.91 59.97N–.02 140.19W–.02 11–6 133 0-8
NEIC IX 05 04 50 25.0–2.1 59.98N–.03 140.21W–.04 10–1 3.4L,3.2L **¶621035472**
AEIC IX 05 04 50 25.8–2.0 60.00N–.04 140.17W–.07 19–3 3.4L,3.2L
PGC IX 05 04 50 25.7–.05 59.99N 140.16W 8–0 3.6L,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.8km az=33.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=176.0. hypocenter. manual.
PGC Event type ke. 51km northwest of Yakutat, Ak Southeastern Alaska.
NEIC IX 05 04 55 21.6–1.7 59.96N–.02 140.22W–.05 10–2 2.6L,2.5L
AEIC IX 05 04 55 21.8–2.0 59.95N–.03 140.18W–.04 4–7 2.6L,2.5L **¶621035474**
PGC IX 05 04 55 22.1–.03 59.97N 140.19W 3–0 2.7L,2.5L
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.1km s-min=1.9km az=205.0. hypocenter. manual.
PGC Event type ke. 50km northwest of Yakutat, Ak Southeastern Alaska.
ISC IX 15 01 43 05.8–.83 60.02N–.03 140.13W–.02 12–5 3.9b 170 0-150
IDC IX 15 01 43 04.2–.89 59.92N 140.11W 0 3.9b,3.8s **¶621073516**
AEIC IX 15 01 43 05.8–1.9 60.03N–.01 140.13W–.03 9–3 3.9b,3.8s
NEIC IX 15 01 43 06.2–1.6 60.07N–.02 140.17W–.03 10–1 3.4L,3.4L
PGC IX 15 01 43 06.4–.02 59.99N 140.11W 8–0 3.7L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=14.1km s-min=9.3km az=25.0.
AEIC Event type se. Error ellipse: s-maj=2.5km s-min=1.6km az=130.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.7km az=338.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 50km northeast of Yakutat, Ak Southeastern Alaska.
ISC IX 06 16 49 33.9–.99 59.99N–.03 140.14W–.02 8–7 104 0-4
NEIC IX 06 16 49 34.0–1.2 60.03N–.05 140.18W–.01 10–2 3.3L,3.3L **¶621039299**
AEIC IX 06 16 49 35.0–1.3 60.00N–.03 140.14W–.04 7–6 3.3L,3.3L
PGC IX 06 16 49 34.9–.03 60.01N 140.11W 7–0 3.5L,3.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=3.0km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.6km s-min=1.4km az=210.0. hypocenter. manual.
PGC Event type ke. 52km northeast of Yakutat, Ak Southeastern Alaska.
NEIC IX 09 07 33 14.1–1.2 60.03N–.03 140.14W–.04 13–1 3.0L,2.9L
AEIC IX 09 07 33 13.9–1.5 59.98N–.03 140.15W–.04 10–3 3.0L,2.9L **¶621072567**
PGC IX 09 07 33 14.3–.03 59.97N 140.16W 6–0 3.2L,2.9L
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.3km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.4km az=205.0. hypocenter. manual.
PGC Event type ke. 50km northwest of Yakutat, Ak Southeastern Alaska.
ISC IX 06 07 10 48.4–.96 59.94N–.03 140.17W–.02 8–6 4.4b,3.3s 312 0-150
NEIC IX 06 07 10 48.5–1.7 60.07N–.03 140.06W–.04 9–1 4.3,4.1L **¶621036063**
AEIC IX 06 07 10 48.7–1.7 59.96N–.04 140.14W–.04 12–1 4.3,4.1L
NEIC IX 06 07 10 48.9 59.98N 140.16W 16 4.3,4.1L
IDC IX 06 07 10 48.2–.55 60.06N 140.22W 0 4.0b,4.0
PGC IX 06 07 10 49.2–.05 59.96N 140.13W 6–0 4.4L,4.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.09 $M_{\theta\theta}$-2.02 $M_{\phi\phi}$-1.07 $M_{r\theta}$0.27 $M_{\theta\phi}$-1.77 $M_{\theta r}$0.34 NP1:ϕ_s50.42000°,δ48.74000°,λ87.17000°. NP2:ϕ_s234.71000°,δ41.34000°,λ93.22000°. Principal axes: T 3.1241,Plg86.0000°,Azm292.0000°; N 0.2859,Plg2.0000°,Azm52.0000°; P -3.4099,Plg4.0000°,Azm142.0000° $M_0$3.28000×10^{15}
AEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.4km az=199.0. hypocenter. manual.
NEIC Event type se.
IDC Error ellipse: s-maj=11.2km s-min=8.7km az=31.0.
PGC Event type ke. 49km northwest of Yakutat, Ak Southeastern Alaska.
NEIC IX 06 07 12 14.5–.89 60.10N–.03 139.94W–.04 10–2 2.9L,2.8L
AEIC IX 06 07 12 14.9–1.4 60.02N–.05 140.00W–.06 8–7 2.9L,2.8L **¶622451915**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 21 21 00 15.8–.91 59.98N–.03 140.11W–.02 10–7 153 0-11
NEIC IX 21 21 00 16.2–2.2 60.058N–.01 140.05W–.03 10–7 3.4L,3.2L **¶621094747**
PGC IX 21 21 00 16.9–.04 59.99N 140.09W 6–0 3.6L,3.4L
AEIC IX 21 21 00 16.3–1.8 59.99N–.03 140.17W–.04 9–6 3.6L,3.4L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 50km northeast of Yakutat, Ak Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
ISC IX 28 14 04 45.9–1.1 58.31N–.04 133.59W–.05 3 40 0-6
PGC IX 28 14 04 45.8–.06 58.41N 133.07W 1 3.6L **¶621112112**
NEIC IX 28 14 04 46.3–.54 58.31N–.03 133.63W–.07 4–7 3.1L,2.7L
AEIC IX 28 14 04 47.1–6.2 58.13N–.04 133.77W–.07 4–6 3.1L,2.7L
ISC Event type ke.
PGC Event type ke. 79km east of Juneau, Alaska, Usa Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
PGC IX 21 22 12 04.6–.08 60.00N 140.11W 6–0 2.2L ¶624741726
PGC Event type ke. 51km northeast of Yakutat, Ak Southeastern Alaska.
NEIC IX 29 10 36 44.3–2.1 58.35N–.02 133.49W–.06 5–2 2.5L,1.6L
AEIC IX 29 10 36 45.1–1.7 58.32N–.02 133.53W–.06 8–6 2.5L,1.6L **¶621113096**
PGC IX 29 10 36 45.1–.06 58.30N 133.52W 5–1 3.2L,1.6L
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.1km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.7km az=90.0. hypocenter. manual.
PGC Event type ke. 51km east of Juneau, Alaska, Usa Southeastern Alaska.
ISC IX 28 17 12 53.4–1.5 58.24N–.03 133.57W–.04 1–11 82 1-11
NEIC IX 28 17 12 53.3–1.1 58.30N–.03 133.56W–.03 5–2 3.3L **¶621112344**
PGC IX 28 17 12 53.8–.08 58.22N 133.62W 1 3.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.1km az=349.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 47km east of Juneau, Alaska, Usa Southeastern Alaska.
ISC IX 29 03 43 12.2–1.4 58.32N–.03 133.55W–.04 3–11 77 0-8
NEIC IX 29 03 43 11.7–.95 58.33N–.02 133.56W–.04 1–2 3.1L,3.0L **¶622499452**
AEIC IX 29 03 43 12.4–1.3 58.33N–.02 133.57W–.02 10–5 3.1L,3.0L
PGC IX 29 03 43 12.4–.06 58.28N 133.58W 5 3.6L,3.0L
ISC Event type ke.
NEIC Error ellipse: s-maj=4.3km s-min=3.1km az=235.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Error ellipse: s-maj=3.6km s-min=1.4km az=163.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 48km east of Juneau, Alaska, Usa Southeastern Alaska.
ISC IX 29 15 20 46.1–1.4 58.31N–.03 133.54W–.04 1–12 64 0-11
NEIC IX 29 15 20 45.6–2.2 58.33N–.02 133.56W–.05 1–2 3.0L,2.8L **¶621113101**
AEIC IX 29 15 20 46.3–1.7 58.33N–.02 133.54W–.05 5–6 3.0L,2.8L
PGC IX 29 15 20 47.5–.11 58.33N 133.55W 5 3.5L,2.8L
ISC Event type ke.
NEIC Error ellipse: s-maj=4.7km s-min=3.7km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Error ellipse: s-maj=4.1km s-min=3.0km az=55.0. hypocenter. manual.
PGC Event type ke. 50km east of Juneau, Alaska, Usa Southeastern Alaska.
ISC X 07 06 02 55.1–1.2 60.02N–.03 141.31W–.02 2–10 97 0-9
PGC X 07 06 02 55.7–.06 60.03N 141.35W 1–0 3.6L **¶621126668**
AEIC X 07 06 02 56.7–.92 60.07N–.03 141.34W–.06 3–7 3.6L
NEIC X 07 06 02 57.5–1.4 60.11N–.01 141.40W–.07 10–10 3.4L,3.4L
ISC Event type ke.
PGC Event type ke. 103km northwest of Yakutat, Ak Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 31 14 59 09.7–1.0 60.11N–.02 139.49W–.02 11–7 3.9b 152 0-150
AEIC XII 31 14 59 08.7–2.2 60.15N–.05 139.34W–.06 4–6 3.9b **¶621657729**
IDC XII 31 14 59 08.3–.78 60.14N 139.52W 0 3.8b,3.6
NEIC XII 31 14 59 09.7 60.08N 139.55W 5 3.8b,3.6
NEIC XII 31 14 59 10.5–1.2 60.09N–.05 139.56W–.06 11–2 3.7L,3.6L
PGC XII 31 14 59 10.2–.02 60.08N 139.42W 10 3.9L,3.6L
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.2km az=179.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.4km s-min=9.5km az=19.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.2km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.11 $M_{\theta\theta}$-3.18 $M_{\phi\phi}$1.07 $M_{r\theta}$-0.62 $M_{\theta\phi}$-0.93 $M_{\theta r}$1.69 NP1:ϕ_s46.48000°,δ53.65000°,λ39.96000°. NP2:ϕ_s290.08000°,δ58.85000°,λ136.17000°. Principal axes: T 3.5215,Plg52.0000°,Azm255.0000°; N -0.1313,Plg38.0000°,Azm82.0000°; P -3.3902,Plg3.0000°,Azm349.0000° $M_0$3.46000×10^{14}
PGC Event type ke. 61km northeast of Yakutat, Ak Southeastern Alaska.
ISC XII 31 15 17 04.6–1.1 60.07N–.02 139.47W–.02 9–8 122 0-68
IDC XII 31 15 17 03.6–1.0 60.00N 139.45W 0 3.3b,3.1 **¶621657731**
AEIC XII 31 15 17 04.9–2.2 60.12N–.03 139.48W–.04 11–5 3.3b,3.1
NEIC XII 31 15 17 05.1–2.0 60.08N–.03 139.46W–.04 10–0 3.3L,3.1L
PGC XII 31 15 17 05.1–.02 60.08N 139.40W 1 3.5L,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=15.4km s-min=9.4km az=24.0.
AEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.1km az=211.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.8km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 61km northeast of Yakutat, Ak Southeastern Alaska.

(22) Queen Charlotte Islands region.

ISC X 28 17 24 02.6–3.2 51.20N–.05 130.81W–.07 1–23 3.2s 53 1-78
NEIC X 28 17 24 03.7–1.5 51.21N–.08 130.7W–.10 10–2 3.9b **¶621391400**
NEIC X 28 17 24 04.5 51.17N 130.82W 6 4.0
PGC X 28 17 24 04.5–.10 51.17N 130.82W 10 4.0W,3.5
IDC X 28 17 24 07.5–1.8 51.33N 130.58W 0 3.4L,3.4
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=3.0km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.20000×10^{15}
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 216km southwest of Bella Bella, Bc Haida Gwaii Region.

IDC Error ellipse: s-maj=24.5km s-min=15.3km az=50.0.
IDC VIII 07 00 24 19.5–.77 52.99N 133.03W 0
¶621000689
IDC Error ellipse: s-maj=860.3km s-min=2.7km az=158.0.
IDC VIII 05 05 44 13.1–.93 54.44N 133.25W 0
¶620998787
IDC Error ellipse: s-maj=403.3km s-min=3.3km az=13.0.
PGC X 16 11 01 59.3–.08 51.35N 131.06W 10 4.0W,3.4
¶626196258
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 221km southwest of Bella Bella, Bc Haida Gwaii Region.

(23) British Columbia.

ISC XII 03 08 08 15.9–1.1 56.61N–.03 121.68W–.03 12–9 35 0-17
IDC XII 03 08 08 16.3–2.1 56.76N 121.55W 0 3.6L,3.3 **¶621615787**
PGC XII 03 08 08 16.4–.03 56.59N 121.75W 6–0 3.6L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=18.9km az=104.0.
PGC Event type ke. 66km northwest of Fort St. John, Bc British Columbia, Canada.
ISC VII 26 09 32 04.2–.94 56.20N–.03 120.71W–.02 15–6 3.5b 59 0-60
IDC VII 26 09 32 03.1–.73 56.11N 120.88W 0 3.6b,3.4 **¶620847107**
PGC VII 26 09 32 04.6 56.09N 120.79W 1–0 3.5L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=10.2km s-min=7.7km az=80.0.
PGC Event type ke. 18km south of Fort St. John, Bc British Columbia, Canada.
ISC XI 27 07 37 12.2–.69 57.41N–.03 122.00W–.03 10 29 0-19
IDC XI 27 07 37 10.8–1.8 57.21N 122.11W 0 3.2L,3.0 **¶621499027**
PGC XI 27 07 37 14.4–.06 57.36N 122.21W 8–1 3.4L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=11.5km az=160.0.
PGC Event type ke. 147km northwest of Fort St. John, Bc British Columbia, Canada.
ISC XII 06 13 45 27.4–.58 56.74N–.03 121.66W–.04 10 3.8b 44 0-75
IDC XII 06 13 45 27.6–.76 56.67N 121.91W 0 3.7b,3.6 **¶621632598**
PGC XII 06 13 45 29.1–.04 56.60N 121.75W 2–0 4.0L,3.8W
ISC Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=10.7km az=93.0.
PGC Event type ke. 67km northwest of Fort St. John, Bc British Columbia, Canada.

(24) Alberta.

PGC IX 19 05 15 51.3–.07 52.11N 115.34W 10 3.5L
¶624741711
PGC Event type ke. 40km southwest of Rocky Mountain House, Alberta Alberta, Canada.
PGC X 05 19 16 13.5–.04 54.50N 118.50W 2–0 3.9L
¶626196181
PGC Event type ke. 77km south of Grande Prairie, Alberta Alberta, Canada.
ISC X 21 03 23 20.9–.33 52.60N–.03 115.05W–.03 10 4.3b 264 1-146
IDC X 21 03 23 19.3–.49 52.71N 115.29W 0 4.0b,4.0 **¶621235437**
GFZ X 21 03 23 21.9–.37 53N–3.0 115W–5.0 13–2 4.8L,4.3b
NEIC X 21 03 23 22.8–1.1 52.57N–.05 115.22W–.09 17–5 4.3b,4.2
PGC X 21 03 23 22.3–.05 52.57N 115.25W 9–0 5.0L,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=11.3km s-min=7.7km az=87.0.
GFZ Error ellipse: s-maj=10.6km s-min=6.3km az=79.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=7.5km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 32km northwest of Rocky Mountain House, Alberta Alberta, Canada.

(25) Vancouver Island region.

PGC VII 11 21 27 05.5–2.0 50.70N 130.61W 10 3.5W,2.8
¶624504639
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 219km west of Port Hardy, Bc Vancouver Island, Canada Region.
ISC VIII 07 20 13 53.9–1.8 50.55N–.06 130.09W–.05 5–12 3.8b,3.2s 98 1-99
NEIC VIII 07 20 13 54.4–2.0 50.65N–.08 130.02W–.10 5–4 3.8,3.6b **¶621000735**
NEIC VIII 07 20 13 54.5 50.65N 130.02W 5 3.8,3.6b
NEIC VIII 07 20 13 54.4 50.47N 130.21W 9 4.1,3.6b
PGC VIII 07 20 13 54.4–.07 50.47N 130.21W 10 4.1W,3.5
IDC VIII 07 20 13 55.2–1.4 50.58N 130.13W 0 3.9L,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.3km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.26 $M_{\theta\theta}$-4.33 $M_{\phi\phi}$5.60 $M_{r\theta}$1.24 $M_{\theta\phi}$1.59 $M_{\phi r}$-0.14 NP1:ϕ_s325.40000°,δ76.70000°,λ-167.03000°. NP2:ϕ_s232.36000°,δ77.38000° ,λ-13.63000°. Principal axes: T 5.8468,Plg0.0000°,Azm279.0000°; N -0.8467,Plg72.0000° ,Azm10.0000°; P -5.0001,Plg18.0000°,Azm189.0000° $M_0$5.47000×10^{14}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$1.80000×10^{15}
PGC Event type ke. 193km west of Port Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=22.6km s-min=16.1km az=65.0.
ISC VIII 11 09 53 47.3–.00 50.86N–.06 130.41W–.06 10 30 1-59
IDC VIII 11 09 53 48.4–1.8 50.96N 130.74W 0 3.2,3.1b **¶621009333**
PGC VIII 11 09 53 48.6–.08 50.72N 130.48W 10 3.6W,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=18.3km az=53.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 209km west of Port Hardy, Bc Vancouver Island, Canada Region.
PGC IX 06 19 10 44.8–.09 50.37N 130.28W 10 3.6W,3.0
¶624741648
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 200km west of Port Hardy, Bc Vancouver Island, Canada Region.
PGC IX 25 11 17 34.1–.06 49.02N 129.76W 10 3.5W,2.9
¶624741737
PGC Event type ke. 224km southwest of Port Alice, Bc Vancouver Island, Canada Region.
ISC IX 21 06 12 57.6–.53 48.85N–.03 128.90W–.04 10 4.4b,3.5s 208 1-95
NEIC IX 21 06 12 56.0–1.4 48.76N–.07 129.1W–.10 10–2 4.4b,3.5s **¶621093850**
NEIC IX 21 06 12 58.8 48.82N 129.00W 3 4.5,3.5s
PGC IX 21 06 12 58.8–.08 48.82N 129.00W 10 4.3b,4.2W
IDC IX 21 06 12 59.0–1.1 48.88N 129.14W 0 4.0b,4.0
GFZ IX 21 06 13 04.4–.43 49N–5.0 129W–5.0 10 5.5,5.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$6.30000×10^{15}
PGC Event type ke. 206km southwest of Port Alice, Bc Vancouver Island, Canada Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PGC IX 22 16 13 18.1–.04 49.07N 126.58W 19–1 3.6L
¶621309639
PGC Event type ke. 50km west of Tofino, Bc Vancouver Island, Canada Region.
PGC X 02 19 47 37.3–.10 48.99N 129.21W 10 3.7W,3.1
¶621120384
PGC Event type ke. 200km southwest of Port Alice, Bc Vancouver Island, Canada Region.
ISC X 12 14 56 18.7–.82 49.12N–.06 128.37W–.07 20–6 4.0b,3.5s 134 1-88
IDC X 12 14 56 13.0–1.2 48.72N 129.05W 0 3.8b,3.8 **¶621146419**
NEIC X 12 14 56 14.4 48.87N 128.70W 5 4.2,3.8
PGC X 12 14 56 14.4–.03 48.87N 128.70W 10 4.1W,3.4
NEIC X 12 14 56 18.9–1.2 49.20N–.06 128.14W–.09 10–1 4.1b,3.4
ISC Event type ke.
NEIC Event type se. Moment Tensor Solution. $M_0$2.50000×10^{15}
PGC Event type ke. 190km southwest of Port Alice, Bc Vancouver Island, Canada Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC X 04 12 27 48.2–.07 49.20N 127.94W 43–0 2.2L
¶626196163
PGC Event type ke. 137km south of Port Alice, Bc Vancouver Island, Canada Region.
PGC XI 02 18 01 17.4–.15 49.17N 128.00W 10 2.9W,2.3
¶625078624
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 141km south of Port Alice, Bc Vancouver Island, Canada Region.
ISC X 14 17 53 28.0–2.3 48.90N–.05 128.63W–.08 7–20 3.2s 54 1-85
IDC X 14 17 53 27.7–2.2 48.75N 128.95W 0 3.8b,3.5 **¶621240654**
PGC X 14 17 53 28.4–.05 48.88N 128.71W 10 3.7W,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=15.9km az=67.0.
PGC Event type ke. 190km southwest of Port Alice, Bc Vancouver Island, Canada Region.
PGC X 12 19 35 22.1–.03 48.89N 128.72W 10 3.7W,3.1
¶626196227
PGC Event type ke. 190km southwest of Port Alice, Bc Vancouver Island, Canada Region.
ISC X 30 07 18 03.5–.76 48.37N–.04 128.51W–.04 10 3.1b 87 1-60
PGC X 30 07 18 02.6–.03 48.31N 128.59W 10 3.7W,3.1 **¶621395158**
IDC X 30 07 18 04.5–1.8 48.32N 128.36W 0 3.4L,3.4
ISC Event type ke.
PGC Event type ke. 218km southwest of Tofino, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=35.4km s-min=11.0km az=66.0.
PGC XI 22 18 05 27.1–.21 50.51N 130.16W 10 3.6W,3.0
¶625078722
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 189km west of Port Hardy, Bc Vancouver Island, Canada Region.
ISC XI 27 12 17 01.4–.83 50.38N–.05 129.68W–.07 10 4.0b,3.6s 135 1-99
PGC XI 27 12 16 56.6–.38 49.98N 130.20W 10 4.3W,3.4 **¶621499031**
NEIC XI 27 12 17 00.9–1.2 50.39N–.08 129.8W–.10 10–2 4.1b,3.4
IDC XI 27 12 17 00.9–1.9 50.21N 130.00W 0 3.9b,3.7
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. 201km west of Port Alice, Bc Vancouver Island, Canada Region.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=8.5km az=227.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.5km s-min=11.2km az=79.0.
ISC XI 27 21 43 54.6–1.5 50.22N–.10 130.02W–.07 10 20 1-100
PGC XI 27 21 43 53.6–.35 50.08N 130.15W 10 3.8W,3.1 **¶621499039**
IDC XI 27 21 43 56.1–3.0 50.32N 130.24W 0 3.7b,3.6L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 195km west of Port Alice, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=35.6km s-min=26.6km az=50.0.
ISC XII 17 12 13 51.7–.79 48.89N–.02 123.35W–.02 18–5 175 0-25
IDC XII 17 12 13 51.4–.99 48.92N 123.39W 0 3.2,2.9L **¶621632738**
NEIC XII 17 12 13 51.7–1.6 48.89N–.03 123.35W–.04 17–4 3.8b,3.7
NEIC XII 17 12 13 51.7 48.90N 123.34W 16 3.8b,3.7
PGC XII 17 12 13 52.2–.02 48.87N 123.35W 23–0 3.9L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=9.2km az=41.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.22 $M_{\theta\theta}$-4.16 $M_{\phi\phi}$1.94 $M_{r\theta}$-0.20 $M_{\theta\phi}$0.45 $M_{\phi r}$2.08 NP1:ϕ_s59.74000°,δ56.06000°,λ34.70000°. NP2:ϕ_s308.60000°,δ61.82000° ,λ140.70000°. Principal axes: T 4.1691,Plg47.0000°,Azm272.0000°; N 0.0456,Plg43.0000° ,Azm99.0000°; P -4.2147,Plg3.0000°,Azm5.0000° $M_0$4.19000×10^{14}
NEIC Event type se.
PGC Event type ke. 21km southwest of Tsawwassen, Bc Vancouver Island, Canada Region.
PGC XII 31 22 49 44.8–.03 48.88N 129.07W 10 3.5W,2.9
¶626196627
PGC Event type ke. 204km southwest of Port Alice, Bc Vancouver Island, Canada Region.
PGC XII 19 11 20 45.9–.16 48.92N 129.27W 10 3.7W,3.1
¶626196534
PGC Event type ke. 209km southwest of Port Alice, Bc Vancouver Island, Canada Region.

(26) Off coast of Washington.

PGC IX 25 16 09 14.9–.25 46.87N 128.98W 10 3.7W,3.1
¶624741739
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 340km southwest of Tofino, Bc Off Coast Of Washington.

SEISMIC REGION 3.
California-Nevada Region.

(30) Off coast of Oregon.

ISC VII 08 17 44 35.2–2.2 43.45N–.08 127.3W–.10 15 83 2-8
NEIC VII 08 17 44 35.4–1.8 43.39N–.08 127.3W–.10 10–2 2.9L **¶620831294**
PGC VII 08 17 44 38.4–.01 43.65N 127.35W 10 3.5W,2.9
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=11.7km az=242.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. 346km west of Eugene, Oregon, Usa Off Coast Of Oregon.
ISC VII 08 18 23 13.7–1.1 43.55N–.06 127.16W–.09 14 3.9b,3.2s 118 2-60
NEIC VII 08 18 23 13.9–2.0 43.44N–.06 127.0W–.10 10–2 4.0b,3.2L **¶620831295**
IDC VII 08 18 23 13.2–2.4 43.55N 127.34W 0 3.6L,3.5
PGC VII 08 18 23 14.2–2.6 43.62N 127.30W 10 3.9W,3.3
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=4.7km az=233.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.5km s-min=15.1km az=49.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 341km west of Eugene, Oregon, Usa Off Coast Of Oregon.
ISC VII 10 20 42 30.4–.78 43.16N–.07 126.61W–.07 14 4.2b,3.2s 124 2-88
NEIC VII 10 20 42 30.0–1.3 43.11N–.06 126.58W–.09 10–1 4.2b,3.2L **¶620928379**
IDC VII 10 20 42 29.3–1.5 43.25N 126.83W 0 3.7b,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.8km az=230.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.5km s-min=13.8km az=41.0.
ISC VIII 01 19 04 18.9–1.2 43.24N–.08 126.9W–.10 10 4.1b,3.1s 66 2-60
NEIC VIII 01 19 04 19.0–2.0 43.22N–.06 126.74W–.07 10–2 4.1b,3.4L **¶620925736**
IDC VIII 01 19 04 19.6–2.1 43.34N 126.83W 0 3.7b,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.1km az=328.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.2km s-min=13.6km az=52.0.
ISC VIII 02 08 54 17.3–1.1 43.85N–.07 127.77W–.09 10 3.8b,3.5s 122 2-60
NEIC VIII 02 08 54 19.2–1.4 43.77N–.07 127.48W–.09 10–2 3.9b,3.2L **¶620929559**
IDC VIII 02 08 54 20.8–2.1 44.01N 127.38W 0 3.5,3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.7km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.5km s-min=11.9km az=56.0.
ISC VIII 21 16 49 01.6–1.3 44.75N–.05 126.53W–.08 10 77 2-17
NEIC VIII 21 16 49 05.1–1.6 44.79N–.07 126.3W–.10 10–2 3.4b,2.8L **¶620999312**
PGC VIII 21 16 49 06.3–.28 44.92N 126.56W 10 3.7W,3.4b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.7km az=246.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0. 291km west of Eugene, Oregon, Usa Off Coast Of Oregon.
ISC VIII 30 11 31 17.1–.49 43.54N–.06 127.46W–.06 15 4.4b,3.8s 215 2-133
IDC VIII 30 11 31 14.8–.67 43.50N 127.77W 0 4.2b,4.1 **¶621011020**
NEIC VIII 30 11 31 17.0–1.8 43.51N–.03 127.31W–.09 10–1 4.4b,3.7L
GFZ VIII 30 11 31 17.1–.45 44N–6.0 128W–5.0 10 4.4b,4.3
GCMT VIII 30 11 31 18.8–.30 43.45N–.02 127.74W–.02 12 4.7W,4.3
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108301131A. Moment Tensor Solution. s7,c7; s83,c117; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.16±.05 $M_{\theta\theta}$-0.94±.05; $M_{\phi\phi}$0.78±.04; $M_{r\theta}$-0.30±.14; $M_{\theta\phi}$-0.84±.04; $M_{\phi r}$-0.06±.14; Best double couple: NP1:ϕ_s22.00000°,δ79.00000°,λ-6.00000°. NP2:ϕ_s113.00000°,δ85.00000°,λ-169.00000°. Principal axes: T 1.1250,Plg4.0000°,Azm247.0000°; N 0.2190,Plg78.0000°,Azm140.0000° ; P -1.3440,Plg11.0000°,Azm338.0000° $M_0$1.23500×10^{16}

ISC	IX	**09 21 41 55.1–1.1**	**44.09N–.08**	**128.79W–.09**	**15**	**3.7b,3.5s**	**66**	**2-85**
IDC	IX	09 21 41 51.5–1.6	43.85N	129.59W	0	3.6,3.5b		**¶621105910**
NEIC	IX	09 21 41 56.2–1.4	44.14N–.10	128.5W–.20	10–2	3.2L,3.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	IX	**03 04 20 09.3–1.3**	**43.4N–.10**	**126.9W–.10**	**14**	**3.3b,3.1s**	**37**	**2-84**
IDC	IX	03 04 20 06.3–1.9	43.16N	127.23W	0	3.4L,3.4		**¶621024234**
NEIC	IX	03 04 20 08.7–2.5	43.45N–.08	126.8W–.10	10–1	3.0L,3.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	IX	**04 20 57 25.2–1.1**	**44.0N–.10**	**129.2W–.10**	**15**	**3.6b,3.2s**	**84**	**2-83**
IDC	IX	04 20 57 21.0–1.9	43.39N	130.53W	0	3.5b,3.5		**¶621035446**
NEIC	IX	04 20 57 25.2–1.4	44.0N–.10	129.1W–.10	10–2	4.0b,3.1L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	X	**21 12 09 44.8–1.0**	**42.27N–.07**	**126.73W–.09**	**12**	**4.0b,3.5s**	**43**	**2-98**
IDC	X	21 12 09 42.7–1.4	42.20N	127.16W	0	3.7b,3.6		**¶621261411**
NEIC	X	21 12 09 45.2–1.4	42.24N–.07	126.6W–.20	10–2	3.2L,3.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC	X	**09 15 25 46.8–1.5**	**43.6N–.10**	**128.1W–.10**	**10–2**	**3.7b,3.1L**			
									¶621144018

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

PGC	X	**15 21 27 02.9–.39**	**44.08N**	**128.65W**	**10**	**4.5W,3.9**			
									¶626196252

PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0. 445km west of Eugene, Oregon, Usa Off Coast Of Oregon.

ISC	X	**23 09 11 00.0–1.8**	**42.34N–.05**	**126.1W–.10**	**10**		**72**	**2-61**
NEIC	X	23 09 10 58.3–1.2	42.30N–.02	126.2W–.10	10–2	3.2L		**¶621237865**
IDC	X	23 09 11 01.7–4.4	42.47N	125.93W	0	3.4b,3.2		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=3.0km az=265.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.7km s-min=26.9km az=73.0.

ISC	X	**24 12 11 42.6–3.5**	**43.22N–.04**	**126.44W–.06**	**16–22**	**4.6b,4.2s**	**217**	**1-153**
IDC	X	24 12 11 39.8–.65	43.09N	126.71W	0	4.2s,4.0b		**¶621238112**
NEIC	X	24 12 11 40.4	43.17N	126.43W	10	4.2s,4.0b		
NEIC	X	24 12 11 40.4–1.4	43.16N–.03	126.43W–.09	10–2	4.8,4.6b		
PGC	X	24 12 11 43.9–.54	43.41N	126.67W	10	4.8W,4.8b		
GCMT	X	24 12 11 43.1–.20	43.11N–.01	126.76W–.01	14–1	5.0W,4.8b		
GFZ	X	24 12 11 44.6–.45	43N–4.0	126W–5.0	10	4.5b,4.5		

ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.52 $M_{\theta\theta}$-1.42 $M_{\phi\phi}$0.90 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.71 $M_{\phi r}$-1.12 NP1:ϕ_s112.76000°,δ65.85000°,λ149.40000°. NP2:ϕ_s216.36000°,δ62.33000°,λ27.52000°. Principal axes: T 2.0300,Plg38.0000°,Azm73.0000°; N -0.4099,Plg52.0000°,Azm258.0000°; P -1.6201,Plg2.0000°,Azm165.0000° $M_0$1.86000×10^{16}
PGC Event type ke. 297km west of Eugene, Oregon, Usa Off Coast Of Oregon.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110241211A. Moment Tensor Solution. s45,c52; s120,c204; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21±.10 $M_{\theta\theta}$-2.78±.09; $M_{\phi\phi}$2.99±.09; $M_{r\theta}$-0.76±.21; $M_{\theta\phi}$-2.24±.08; $M_{\phi r}$-0.42±.18; Best double couple: NP1:ϕ_s117.00000°,δ79.00000°,λ-172.00000°. NP2:ϕ_s25.00000°,δ82.00000°,λ-11.00000°. Principal axes: T 3.7640,Plg2.0000°,Azm71.0000°; N -0.0120,Plg76.0000°,Azm171.0000° ; P -3.7520,Plg14.0000°,Azm341.0000° $M_0$3.75800×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	XI	**11 10 06 19.6–1.3**	**43.71N–.08**	**127.6W–.10**	**15**	**3.6b,3.1s**	**101**	**3-60**
IDC	XI	11 10 06 10.8–2.4	43.87N	128.70W	0	3.6L,3.3		**¶621394930**
NEIC	XI	11 10 06 20.1–2.2	43.72N–.04	127.4W–.20	10–2	3.8b,3.4L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	XI	**01 06 15 19.6–1.2**	**44.78N–.09**	**129.8W–.10**	**10**	**3.8b,3.3s**	**116**	**1-59**
NEIC	XI	01 06 15 19.6–1.1	44.79N–.05	129.8W–.10	10–2	3.9b,3.5L		**¶621245033**
IDC	XI	01 06 15 19.9–2.6	44.75N	129.88W	0	3.7L,3.4		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=9.0km az=263.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.2km s-min=21.1km az=53.0.

ISC	XI	**01 12 59 34.4–1.4**	**44.0N–.10**	**129.4W–.10**	**13**	**3.2b**	**38**	**2-82**
NEIC	XI	01 12 59 28.1–1.5	43.89N–.08	129.89W–.05	10–2	3.3L		**¶621401267**
IDC	XI	01 12 59 33.5–2.7	43.75N	129.92W	0	3.5L,3.4b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=4.6km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=81.4km s-min=22.1km az=41.0.

ISC	XI	**06 20 15 43.9–1.5**	**44.43N–.07**	**129.9W–.10**	**15**	**3.1b**	**93**	**1-58**
NEIC	XI	06 20 15 42.9–2.0	44.51N–.06	130.1W–.10	10–2	4.0b,4.0L		**¶621392728**
IDC	XI	06 20 15 43.5–2.8	44.85N	129.65W	0	3.1L,3.1b		
PGC	XI	06 20 15 46.5–1.2	44.54N	129.84W	10	4.7W,4.0		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=7.6km az=239.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.2km s-min=23.2km az=50.0.
PGC Event type ke. Error ellipse: s-maj=6.7km s-min=6.3km az=-1.0. 541km west of Eugene, Oregon, Usa Off Coast Of Oregon.

ISC	XII	**07 13 21 53.3–.73**	**44.47N–.09**	**129.73W–.08**	**13**	**4.2b,3.5s**	**74**	**1-86**
IDC	XII	07 13 21 49.9–1.6	44.43N	130.14W	0	3.5b,3.4		**¶621618741**
NEIC	XII	07 13 21 53.2–2.0	44.53N–.07	129.70W–.10	10–1	4.2b,3.6L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	XI	**21 17 25 36.1–.60**	**44.56N–.08**	**130.16W–.07**	**15**	**4.4b,3.5s**	**87**	**4-96**
IDC	XI	21 17 25 34.8–.91	44.88N	130.22W	0	4.1b,4.0		**¶621428010**
NEIC	XI	21 17 25 35.0–2.0	44.51N–.09	130.2W–.10	10–1	4.4b,3.5L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC	XI	**24 06 59 43.1–.72**	**44.49N–.09**	**130.1W–.20**	**10–2**	**3.8L**			
									¶621452754

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	XI	**20 05 51 29.6–.57**	**44.56N–.07**	**130.17W–.08**	**15**	**4.5b,3.7s**	**192**	**1-97**
NEIC	XI	20 05 51 29.4–1.0	44.58N–.07	130.1W–.10	10–1	4.6b,3.8L		**¶621425214**
GCMT	XI	20 05 51 30.9–.40	44.53N–.05	130.36W–.03	15–1	4.6W,3.8L		
IDC	XI	20 05 51 36.0–2.8	44.64N	130.12W	62–23	4.1,3.8b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.7km az=254.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111200551A. Moment Tensor Solution. s10,c10; s79,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.94±.12 $M_{\theta\theta}$-0.29±.07; $M_{\phi\phi}$1.23±.08; $M_{r\theta}$-0.26±.20; $M_{\theta\phi}$0.10±.04; $M_{\phi r}$-0.19±.12; Best double couple: NP1:ϕ_s166.00000°,δ43.00000°,λ-117.00000°. NP2:ϕ_s20.00000°,δ53.00000°,λ-67.00000°. Principal axes: T 1.2560,Plg5.0000°,Azm94.0000°; N -0.2140,Plg18.0000°,Azm186.0000° ; P -1.0360,Plg71.0000°,Azm348.0000° $M_0$1.14600×10^{16}
IDC Error ellipse: s-maj=32.8km s-min=13.9km az=49.0.

ISC	XI	**24 16 15 01.9–.96**	**44.55N–.08**	**130.0W–.10**	**10**	**3.8b,3.4s**	**72**	**1-95**
NEIC	XI	24 16 15 02.1–1.9	44.53N–.06	129.84W–.03	10–2	4.0b,3.6L		**¶621460253**
IDC	XI	24 16 15 02.7–1.2	44.79N	130.18W	0	3.7b,3.6		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=4.4km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.8km s-min=14.3km az=43.0.

ISC	XI	**12 10 14 06.8–1.5**	**44.53N–.08**	**129.8W–.10**	**10**	**3.2s**	**77**	**4-58**
NEIC	XI	12 10 14 07.6–1.1	44.5N–.10	129.75W–.10	10–2	3.8b,3.6L		**¶621401377**
IDC	XI	12 10 14 10.7–2.7	45.15N	129.34W	0	3.5,3.4s		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=6.2km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.6km s-min=19.2km az=52.0.

ISC	XII	**07 20 34 38.4–1.5**	**44.48N–.07**	**128.6W–.10**	**10**	**3.3s**	**54**	**2-85**
NEIC	XII	07 20 34 38.0–1.8	44.43N–.06	128.60W–.04	10–2	3.3L		**¶621632698**
IDC	XII	07 20 34 45.6–2.2	45.27N	128.37W	0	3.3s,3.2L		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=4.7km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.1km s-min=21.6km az=56.0.

ISC	XII	**07 21 30 16.8–.36**	**44.38N–.06**	**129.52W–.06**	**13**	**5.1s,5.0b**	**370**	**1-155**
BJI	XII	07 21 30 13.5	44.40N	129.50W	10	5.5s,5.4b		**¶621618806**
IDC	XII	07 21 30 14.0–.58	44.23N	129.62W	0	4.8s,4.3b		
NEIC	XII	07 21 30 16.4–1.7	44.39N–.08	129.5W–.10	10–1	5.4,5.1b		
NEIC	XII	07 21 30 16.4	44.38N	129.51W	10	5.4,5.1b		
NEIC	XII	07 21 30 16.4	44.38N	129.51W	10	5.4,5.1b		
GFZ	XII	07 21 30 17.9–.29	44N–5.0	130W–4.0	10	5.4,5.3b		
GFZ	XII	07 21 30 18.1	44.46N	129.46W	19	5.5W,5.3b		
GCMT	XII	07 21 30 19.8–.10	44.28N–.01	129.82W–.01	12	5.5W,5.3b		
BGR	XII	07 21 30 22.1	44.00N	128.93W	33	5.0b,5.3b		
NEIC	XII	07 21 30 28.3	44.38N	129.51W	12	5.5,5.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=8.6km az=36.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.5km az=231.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.16 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$1.19 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.36 NP1:ϕ_s208.52000°,δ84.57000°,λ13.50000°. NP2:ϕ_s117.22000°,δ76.56000°,λ174.41000°. Principal axes: T 1.5391,Plg13.0000°,Azm74.0000° ; N 0.1024,Plg75.0000°,Azm230.0000°; P -1.6415,Plg6.0000°,Azm342.0000° $M_0$1.59000×10^{17}

NEIC Event type se.
NEIC Event type se.
GFZ Error ellipse: s-maj=12.1km s-min=5.7km az=37.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.00 $M_{\theta\theta}$-1.52 $M_{\phi\phi}$1.52 $M_{r\theta}$0.24 $M_{\theta\phi}$-1.10 $M_{\phi r}$-0.36 NP1: ϕ_s116.55426°,δ84.11927°,λ168.88658°. NP2:ϕ_s207.70726°,δ78.94580°,λ5.99231°. Principal axes: T 1.9661,Plg12.0068°,Azm71.7376°; N -0.0865,Plg77.4439°,Azm269.0084° ; P -1.8796,Plg3.6195°,Azm162.5084° $M_0$1.92431×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112072130A. Moment Tensor Solution. s111,c192; s154,c304;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.03±.03 $M_{\theta\theta}$-1.80±.03; $M_{\phi\phi}$1.78±.02; $M_{r\theta}$-0.30±.06; $M_{\theta\phi}$-1.50±.02; $M_{\phi r}$-0.27±.06; Best double couple: NP1: ϕ_s115.00000°,δ81.00000°,λ-176.00000°. NP2:ϕ_s25.00000°,δ87.00000°,λ-9.00000°. Principal axes: T 2.3360,Plg4.0000°,Azm70.0000°; N 0.0720,Plg80.0000°,Azm184.0000° ; P -2.4040,Plg9.0000°,Azm340.0000° $M_0$2.37000×10^{17}

BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.30 $M_{\theta\theta}$1.66 $M_{r\theta}$-0.23 $M_{\theta\phi}$-1.25 $M_{\phi r}$0.32 NP1:ϕ_s25.48000°,δ80.78000°,λ3.11000°. NP2:ϕ_s294.98000°,δ86.93000°,λ170.77000°. Principal axes: T 2.1661,Plg9.0000°,Azm250.0000°; N -0.3448,Plg80.0000°,Azm97.0000° ; P -1.8213,Plg4.0000°,Azm341.0000° $M_0$2.02000×10^{17}

ISC	XII	**07 21 31 39.3–.77**	**44.3N–.10**	**129.74W–.08**	**10**	**4.6b**	**90**	**2-86**
IDC	XII	07 21 31 38.1–.91	44.36N	129.94W	0	4.2b,4.1		**¶621632701**
NEIC	XII	07 21 31 39.6–2.5	44.3N–.10	129.7W–.10	10–1	4.7b,4.3L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	XII	**07 19 15 04.2–.70**	**44.67N–.07**	**129.48W–.07**	**13**	**4.0b,3.5s**	**130**	**1-85**
IDC	XII	07 19 15 03.5–1.5	44.47N	130.20W	0	3.5,3.5s		**¶621618798**
NEIC	XII	07 19 15 04.1–2.2	44.76N–.06	129.4W–.10	10–1	4.0b,3.5L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	XII	**07 14 57 56.3–.80**	**44.46N–.08**	**129.84W–.10**	**15**	**3.8b,3.5s**	**68**	**1-85**
IDC	XII	07 14 57 54.5–1.2	44.44N	129.96W	0	3.5b,3.5		**¶621618744**
NEIC	XII	07 14 57 56.2–1.4	44.60N–.08	129.7W–.10	10–1	4.1b,3.6L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	XII	**07 21 36 31.8–.97**	**44.39N–.09**	**129.8W–.10**	**15**	**4.0b**	**102**	**1-85**
IDC	XII	07 21 36 29.8–1.3	44.41N	130.08W	0	3.7,3.6b		**¶621632702**
NEIC	XII	07 21 36 32.6–1.8	44.38N–.06	129.6W–.10	10–2	4.2b,3.8L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	XII	**07 21 57 58.2–.36**	**44.34N–.06**	**129.62W–.05**	**13**	**5.1s,5.1b**	**540**	**1-155**
IDC	XII	07 21 57 56.3–.51	44.43N	129.79W	0	4.9s,4.6b		**¶621618808**
NEIC	XII	07 21 57 57.6–2.3	44.34N–.08	129.6W–.10	10–1	5.1b,5.1		
MOS	XII	07 21 57 57.9–1.2	44.37N	129.52W	21	5.3b,5.1s		
NEIC	XII	07 21 57 58.3	44.37N	129.53W	10	5.3b,5.1s		
BJI	XII	07 21 57 58.6	44.88N	130.30W	10	5.5s,5.5b		
GFZ	XII	07 21 57 59.3	44.44N	129.62W	18	5.5W,5.5b		
GFZ	XII	07 21 57 60.0–.50	44N–6.0	130W–6.0	10	5.5b,5.5		
GCMT	XII	07 21 58 00.2–.10	44.27N–.01	129.78W–.01	12	5.5W,5.5		
NEIC	XII	07 21 58 07.2	44.37N	129.53W	12	5.5,5.5		

ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=7.7km az=38.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.0km az=229.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.2km s-min=4.9km az=104.9.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.28 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$1.49 $M_{r\theta}$-0.37 $M_{\theta\phi}$-1.37 $M_{\phi r}$-0.65 NP1: ϕ_s113.31791°,δ68.13995°,λ-173.69144°. NP2:ϕ_s20.96076°,δ84.14669°,λ-21.98057°. Principal axes: T 2.1532,Plg11.0212°,Azm69.0457°; N -0.1618,Plg67.2908°,Azm186.7811° ; P -1.9914,Plg19.5967°,Azm335.0696° $M_0$2.07701×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112072157A. Moment Tensor Solution. s115,c198; s153,c315;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27±.02 $M_{\theta\theta}$-1.43±.02; $M_{\phi\phi}$1.70±.02; $M_{r\theta}$0.02±.06; $M_{\theta\phi}$-1.65±.02; $M_{\phi r}$-0.17±.06; Best double couple: NP1:

ϕ_s112.00000°,δ86.00000°,λ179.00000°. NP2:ϕ_s202.00000°,δ89.00000°,λ4.00000°.
Principal axes: T 2.4200,Plg4.0000°,Azm67.0000°; N -0.2770,Plg86.0000°,Azm224.0000°
; P -2.1400,Plg1.0000°,Azm337.0000° $M_0$2.28000×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm;
M_{rr}-0.43 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$1.61 $M_{r\theta}$0.02 $M_{\theta\phi}$-1.48 $M_{\phi r}$-0.51 NP1:ϕ_s111.27000°,δ77.49000°
,λ178.58000°. NP2:ϕ_s201.58000°,δ88.61000°,λ12.51000°. Principal axes:
T 2.3352,Plg10.0000°,Azm67.0000°; N -0.4871,Plg77.0000°,Azm208.0000°
; P -1.8480,Plg8.0000°,Azm336.0000° $M_0$2.13000×10^{17}

ISC	**XII**	**07 22 16 10.9–1.8**	**44.37N–.10**	**129.6W–.20**	**13**		**45**	**1-59**
IDC	XII	07 22 16 09.5–2.8	44.45N	129.75W	0	3.6s,3.2		**¶621620183**
NEIC	XII	07 22 16 11.7–1.5	44.36N–.06	129.4W–.20	10–2	3.5L,3.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 17 06 49.1–.85**	**44.52N–.09**	**129.7W–.10**	**13**	**4.5s,4.1b**	**132**	**1-96**
IDC	XII	07 17 06 46.5–1.1	44.24N	130.33W	0	4.3s,3.9b		**¶621618753**
NEIC	XII	07 17 06 48.9–1.2	44.56N–.07	129.8W–.20	10–1	4.3b,3.7L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 22 16 44.2–1.6**	**44.50N–.10**	**129.3W–.10**	**13**		**30**	**1-59**
IDC	XII	07 22 16 40.1–3.2	44.31N	129.98W	0	3.7s,3.5L		**¶621632709**
NEIC	XII	07 22 16 44.1–1.4	44.51N–.05	129.3W–.20	10–2	3.5L,3.5L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 00 17 45.6–.50**	**44.40N–.07**	**129.50W–.07**	**13**	**4.9b,4.5s**	**217**	**1-149**
IDC	XII	08 00 17 43.4–.77	44.41N	129.63W	0	4.6s,4.1b		**¶621620188**
NEIC	XII	08 00 17 44.8	44.59N	129.07W	10	4.6s,4.1b		
NEIC	XII	08 00 17 46.1–1.9	44.39N–.07	129.4W–.10	10–1	4.9b,3.8L		
GCMT	XII	08 00 17 47.3–.20	44.23N–.01	129.74W–.01	12	5.2W,3.8L		
NEIC	XII	08 00 17 53.9	44.19N	129.49W	12	5.2,3.8L		

ISC Event type se.

IDC Error ellipse: s-maj=20.9km s-min=9.8km az=39.0.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=19.5km s-min=3.1km az=230.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080017A. Moment Tensor Solution. s82,c116; s130,c232;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.04±.02 $M_{\theta\theta}$-0.80±.02; $M_{\phi\phi}$0.75±.01; $M_{r\theta}$0.03±.04; $M_{\theta\phi}$-0.45±.01; $M_{\phi r}$-0.06±.04; Best double couple: NP1: ϕ_s210.00000°,δ86.00000°,λ3.00000°. NP2:ϕ_s120.00000°,δ87.00000°,λ176.00000°. Principal axes: T 0.8820,Plg4.0000°,Azm75.0000°; N 0.0390,Plg86.0000°,Azm263.0000° ; P -0.9220,Plg1.0000°,Azm165.0000° $M_0$0.90200×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.40 $M_{\theta\theta}$-6.54 $M_{\phi\phi}$6.94 $M_{r\theta}$-1.26 $M_{\theta\phi}$-4.00 $M_{\phi r}$0.34 NP1:ϕ_s29.43000°,δ80.66000° ,λ-3.00000°. NP2:ϕ_s119.91000°,δ87.04000°,λ-170.65000°. Principal axes: T 8.0889,Plg4.0000°,Azm254.0000°; N -0.2814,Plg80.0000°,Azm137.0000° ; P -7.8075,Plg9.0000°,Azm345.0000° $M_0$7.95000×10^{16}

ISC	**XII**	**07 23 05 34.0–2.3**	**44.3N–.10**	**130.1W–.20**	**10**		**36**	**4-58**
IDC	XII	07 23 05 35.3–4.5	44.56N	129.82W	0	2.9L,2.9		**¶621632712**
NEIC	XII	07 23 05 40.0–1.7	44.74N–.07	129.6W–.20	10–2	3.5L,2.9		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 23 06 48.4–3.2**	**44.2N–.10**	**130.4W–.20**	**10**		**27**	**2-58**
IDC	XII	07 23 06 52.1–6.5	44.51N	129.92W	0	3.8L,3.0		**¶621632713**
NEIC	XII	07 23 06 57.5–2.0	44.64N–.02	129.8W–.20	10–2	3.8L,3.0		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 00 29 43.1–1.3**	**44.48N–.09**	**129.2W–.10**	**10**		**42**	**1-82**
NEIC	XII	08 00 29 41.0–1.4	44.32N–.06	129.3W–.20	10–2	3.5L		**¶621634645**
IDC	XII	08 00 29 43.6–2.0	44.65N	129.37W	0	3.4b,3.4		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=22.2km s-min=5.1km az=246.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=39.9km s-min=17.4km az=49.0.

ISC	**XII**	**08 01 24 56.3–.86**	**44.52N–.09**	**129.3W–.10**	**13**	**4.3b**	**42**	**4-83**
NEIC	XII	08 01 24 53.9–1.4	44.6N–.10	129.37W–.06	10–1	4.5b,4.4L		**¶621634650**
IDC	XII	08 01 24 55.9–1.6	44.48N	129.62W	0	4.0b,4.0		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=18.1km s-min=5.6km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=55.0km s-min=15.9km az=48.0.

ISC	**XII**	**08 00 36 39.5–.46**	**44.32N–.05**	**129.57W–.05**	**15–2**	**5.5s,5.3b**	**828**	**2-155**
IDC	XII	08 00 36 36.9–.49	44.31N	129.70W	0	5.3s,4.7b		**¶621620187**
NEIC	XII	08 00 36 38.9–2.2	44.43N–.06	129.5W–.10	10–1	5.8,5.6		
NEIC	XII	08 00 36 38.8	44.40N	129.53W	10	5.8,5.6		
NEIC	XII	08 00 36 38.7	44.39N	129.56W	10	5.8,5.6		
ISC-P	XII	08 00 36 38	44.43N	129.53W	13–1	,5.6		
MOS	XII	08 00 36 39.0–1.3	44.28N	129.55W	23	5.6b,5.5s		
BJI	XII	08 00 36 39.8	44.94N	130.36W	10	5.9s,5.7b		
GFZ	XII	08 00 36 40.0	44.29N	129.63W	20	5.8W,5.7b		
GFZ	XII	08 00 36 40.8–.28	44N–4.0	130W–4.0	10	5.9b,5.8		
GCMT	XII	08 00 36 41.3–.10	44.22N–.01	129.69W–.01	14–0	5.8W,5.8		
PTWC	XII	08 00 36 41	44.40N	129.30W	10	6.0,5.8		
NEIC	XII	08 00 36 47.3	44.30N	129.53W	12	5.8,5.8		

ISC Event type se.

IDC Error ellipse: s-maj=16.2km s-min=8.3km az=32.0.

NEIC Event type se. Error ellipse: s-maj=15.1km s-min=8.9km az=240.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.16 $M_{\theta\theta}$-5.19 $M_{\phi\phi}$4.03 $M_{r\theta}$0.30 $M_{\theta\phi}$-3.02 $M_{\phi r}$-2.01 NP1:ϕ_s210.86000°,δ75.38000°,λ18.71000°. NP2:ϕ_s115.97000°,δ71.92000° ,λ164.60000°. Principal axes: T 5.7992,Plg23.0000°,Azm74.0000°; N 0.3030,Plg66.0000° ,Azm248.0000°; P -6.1021,Plg2.0000°,Azm343.0000° $M_0$5.96000×10^{17}

NEIC Event type se.

NEIC Event type se.

ISC-P Moment Tensor Solution. s47 Moment tensor: M_{rr}0.13±.15 $M_{\theta\theta}$-0.35±.14; $M_{\phi\phi}$0.82±.15; $M_{r\theta}$-0.15±.20; $M_{\theta\phi}$-0.03±.12; $M_{\phi r}$-0.26±.10; NP1:ϕ_s32.10000°,δ79.50000°,λ349.80000°. NP2: ϕ_s124.00000°,δ80.00000°,λ-169.30000°.

MOS Error ellipse: s-maj=7.8km s-min=4.6km az=102.0.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.57 $M_{\theta\theta}$-4.80 $M_{\phi\phi}$5.37 $M_{r\theta}$-0.37 $M_{\theta\phi}$-2.90 $M_{\phi r}$-1.56 NP1: ϕ_s119.76170°,δ75.70278°,λ177.96727°. NP2:ϕ_s210.26389°,δ88.03025°,λ14.30586°. Principal axes: T 6.4254,Plg11.4742°,Azm75.9048°; N -0.7436,Plg75.5620°,Azm217.9404° ; P -5.6818,Plg8.6453°,Azm344.1363° $M_0$6.08776×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112080036A. Moment Tensor Solution. s139,c283; s160,c502;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73±.05 $M_{\theta\theta}$-5.82±.05; $M_{\phi\phi}$6.56±.06; $M_{r\theta}$0.70±.17; $M_{\theta\phi}$-3.78±.05; $M_{\phi r}$-0.92±.16; Best double couple: NP1:ϕ_s209.00000°,δ82.00000°,λ2.00000°. NP2:ϕ_s119.00000°,δ88.00000°,λ172.00000°. Principal axes: T 7.7590,Plg7.0000°,Azm74.0000°; N -0.8400,Plg82.0000°,Azm283.0000° ; P -6.9130,Plg4.0000°,Azm165.0000° $M_0$7.33600×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.14 $M_{\theta\theta}$-4.67 $M_{\phi\phi}$5.81 $M_{r\theta}$-0.68 $M_{\theta\phi}$-3.37 $M_{\phi r}$-1.93 NP1:ϕ_s118.56000°,δ71.46000° ,λ-177.82000°. NP2:ϕ_s27.87000°,δ87.94000°,λ-18.55000°. Principal axes: T 7.1415,Plg11.0000°,Azm75.0000°; N -1.1651,Plg71.0000°,Azm202.0000° ; P -5.9763,Plg14.0000°,Azm342.0000° $M_0$6.64000×10^{17}

ISC	**XII**	**08 01 29 51.7–.83**	**44.31N–.09**	**129.4W–.10**	**13**	**4.3b**	**73**	**2-85**
IDC	XII	08 01 29 50.1–1.1	44.44N	129.72W	0	3.9b,3.9		**¶621634652**
NEIC	XII	08 01 29 51.9–1.4	44.34N–.08	129.3W–.20	10–1	4.5b,4.2L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**08 01 32 53.1–2.5**	**43.80N**	**130.82W**	**0**	**3.4L,3.4**		**¶621634653**

IDC Error ellipse: s-maj=56.4km s-min=21.2km az=49.0.

ISC	**XII**	**08 00 52 57.2–.80**	**44.32N–.10**	**129.59W–.10**	**13**	**4.1b**	**85**	**2-85**
IDC	XII	08 00 52 55.1–1.1	44.23N	129.59W	0	4.4s,3.8b		**¶621620193**
NEIC	XII	08 00 52 57.7–1.9	44.51N–.10	129.5W–.10	10–1	4.3b,3.9L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 01 38 34.1–.79**	**44.38N–.09**	**129.46W–.09**	**13**	**4.2b**	**135**	**1-85**
IDC	XII	08 01 38 33.6–1.2	44.29N	129.84W	0	4.1s,3.8b		**¶621620190**
NEIC	XII	08 01 38 33.8–1.9	44.40N–.07	129.46W–.03	10–1	4.3b,3.8L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 01 47 09.6–2.0**	**44.3N–.10**	**129.8W–.20**	**15**		**68**	**2-58**
IDC	XII	08 01 47 04.8–4.8	44.55N	130.85W	0	3.4L,3.3		**¶621620194**
NEIC	XII	08 01 47 09.8–1.7	44.35N–.07	129.69W–.04	10–2	3.9b,3.5L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 23 39 00.9–.83**	**44.48N–.09**	**129.55W–.10**	**13**	**4.4b,3.6s**	**142**	**1-150**
IDC	XII	07 23 38 59.4–1.1	44.63N	129.57W	0	3.8b,3.7		**¶621620184**
NEIC	XII	07 23 39 01.2–1.3	44.54N–.09	129.4W–.20	10–1	4.4b,3.4L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 02 54 59.6–.91**	**44.4N–.10**	**129.5W–.10**	**13**	**4.2s,3.8b**	**111**	**1-82**
NEIC	XII	08 02 54 58.6–1.8	44.31N–.09	129.6W–.20	10–1	4.1b,3.4L		**¶621620198**
IDC	XII	08 02 55 01.7–1.3	44.96N	129.57W	0	3.8s,3.6b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=23.4km s-min=6.2km az=230.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=34.0km s-min=14.3km az=42.0.

ISC	**XII**	**08 01 07 45.2–.87**	**44.51N–.09**	**129.6W–.10**	**10**	**4.3b**	**107**	**1-82**
IDC	XII	08 01 07 42.0–1.6	44.13N	130.53W	0	4.2s,3.7b		**¶621620191**
NEIC	XII	08 01 07 45.0–2.2	44.45N–.08	129.4W–.20	10–2	4.3b,3.6L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 01 55 05.0–.88**	**44.32N–.09**	**129.7W–.10**	**13**	**4.4s,4.2b**	**141**	**2-82**
NEIC	XII	08 01 55 03.7–.81	44.34N–.10	129.7W–.20	10–2	4.5b,3.7L		**¶621620192**
IDC	XII	08 01 55 08.8–1.2	44.27N	130.03W	0	4.4s,3.9b		
GCMT	XII	08 01 55 25.3–.30	44.20N–.02	129.70W–.02	20–2	5.1W,3.9b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080155A. Moment Tensor Solution. s15,c16; s101,c146; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.09±.31 $M_{\theta\theta}$-4.12±.22; $M_{\phi\phi}$4.21±.21; $M_{r\theta}$-1.39±.52; $M_{\theta\phi}$-2.23±.16; $M_{\phi r}$0.12±.35; Best double couple: NP1:ϕ_s30.00000°,δ75.00000° ,λ-7.00000°. NP2:ϕ_s122.00000°,δ83.00000°,λ-165.00000°. Principal axes: T 4.8140,Plg6.0000°,Azm255.0000°; N 0.2220,Plg74.0000°,Azm145.0000° ; P -5.0320,Plg15.0000°,Azm347.0000° $M_0$4.92300×10^{16}

ISC	**XII**	**08 01 11 31.2–1.3**	**44.33N–.08**	**129.4W–.10**	**13**	**4.1b**	**74**	**2-58**
NEIC	XII	08 01 11 30.7–1.3	44.32N–.05	129.4W–.10	10–1	4.2b,3.5L		**¶621634648**
IDC	XII	08 01 11 35.1–3.1	44.82N	129.12W	0	3.5b,3.5		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=18.6km s-min=6.4km az=251.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=49.4km s-min=21.7km az=47.0.

ISC	**XII**	**08 02 57 23.5–2.0**	**44.20N–.09**	**128.8W–.20**	**15**		**24**	**4-59**
NEIC	XII	08 02 57 22.7–1.9	44.2N–.10	129.0W–.20	10–2	3.3L		**¶621634658**
IDC	XII	08 02 57 27.4–3.1	44.58N	129.32W	0	3.2,2.8L		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=23.2km s-min=16.1km az=248.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=54.9km s-min=21.3km az=54.0.

ISC	**XII**	**08 01 21 06.5–.42**	**44.23N–.05**	**129.40W–.04**	**11–2**	**5.5s,5.4b**	**936**	**2-155**
BJI	XII	08 01 21 03.0	44.40N	129.00W	10	5.9s,5.7b		**¶621620189**
NEIC	XII	08 01 21 05.8–1.4	44.26N–.08	129.4W–.10	10–1	5.8,5.6b		
NEIC	XII	08 01 21 05.7	44.44N	128.97W	10	5.8,5.6b		
NEIC	XII	08 01 21 05.7	44.44N	128.97W	10	5.8,5.6b		
IDC	XII	08 01 21 05.3–.42	44.30N	129.53W	0	5.3s,4.9b		
MOS	XII	08 01 21 06.3–1.3	44.19N	129.37W	20	5.6b,5.5s		
GFZ	XII	08 01 21 07.2	44.25N	129.50W	22	5.7W,5.5s		
GFZ	XII	08 01 21 08.5–.38	44N–4.0	129W–5.0	10	6.0,5.9b		
GCMT	XII	08 01 21 09.0–.10	44.18N–.01	129.63W–.01	15–0	5.8W,5.9b		
BGR	XII	08 01 21 12.6	44.37N	129.83W	33	5.3b,5.3s		
PTWC	XII	08 01 21 12	44.30N	129.10W	40	6.0,5.3s		
NEIC	XII	08 01 21 16.1	44.14N	129.53W	12	5.8,5.3s		

ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=19.6km s-min=7.9km az=232.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.85 $M_{\theta\theta}$-7.64 $M_{\phi\phi}$5.79 $M_{r\theta}$-0.97 $M_{\theta\phi}$-1.31 $M_{\phi r}$0.40 NP1:ϕ_s39.44000°,δ81.24000°,λ1.01000°. NP2:ϕ_s309.29000°,δ89.00000° ,λ171.23000°. Principal axes: T 5.9798,Plg7.0000°,Azm264.0000°; N 1.8754,Plg81.0000° ,Azm123.0000°; P -7.8551,Plg5.0000°,Azm355.0000° $M_0$7.11000×10^{17}

NEIC Event type se.

NEIC Event type se.

IDC Error ellipse: s-maj=14.9km s-min=7.7km az=37.0.

MOS Error ellipse: s-maj=6.9km s-min=4.2km az=105.2.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$-4.30 $M_{\phi\phi}$4.80 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.87 $M_{\phi r}$-1.08 NP1: ϕ_s123.35836°,δ80.98725°,λ174.37450°. NP2:ϕ_s214.24239°,δ84.44417°,λ9.05564°. Principal axes: T 5.3574,Plg10.3249°,Azm79.0248°; N -0.6786,Plg79.3880°,Azm245.5190° ; P -4.6788,Plg2.4250°,Azm348.5828° $M_0$5.05240×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112080121A. Moment Tensor Solution. s137,c275; s164,c466;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43±.05 $M_{\theta\theta}$-5.67±.05; $M_{\phi\phi}$6.10±.06; $M_{r\theta}$0.24±.16; $M_{\theta\phi}$-2.43±.05; $M_{\phi r}$-0.48±.15; Best double couple: NP1:ϕ_s214.00000°,δ86.00000°,λ2.00000°. NP2:ϕ_s124.00000°,δ88.00000°,λ176.00000°. Principal axes: T 6.6200,Plg4.0000°,Azm79.0000°; N -0.4620,Plg86.0000°,Azm278.0000° ; P -6.1560,Plg1.0000°,Azm169.0000° $M_0$6.38800×10^{17}

BGR Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 3s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87 $M_{\theta\theta}$-4.43 $M_{\phi\phi}$5.29 $M_{r\theta}$-2.04 $M_{\theta\phi}$-2.15 $M_{\phi r}$1.43 NP1:ϕ_s32.54000°,δ64.09000° ,λ-4.72000°. NP2:ϕ_s124.60000°,δ85.75000°,λ-154.01000°. Principal axes: T 6.2316,Plg15.0000°,Azm256.0000°; N -0.6899,Plg64.0000°,Azm133.0000° ; P -5.5416,Plg21.0000°,Azm352.0000° $M_0$5.92000×10^{17}

ISC	**XII**	**08 02 15 39.7–.86**	**44.37N–.09**	**129.3W–.10**	**13**	**3.8b**	**125**	**1-83**
IDC	XII	08 02 15 38.0–1.3	44.22N	129.58W	0	4.0s,3.6b		**¶621620195**
NEIC	XII	08 02 15 38.9–1.7	44.36N–.09	129.3W–.10	10–1	4.1b,3.4L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 02 21 48.1–1.5**	**44.51N–.09**	**129.1W–.10**	**10**		**31**	**1-58**
NEIC	XII	08 02 21 44.9–1.3	44.3N–.10	129.3W–.20	10–2	3.3L		**¶621634654**
IDC	XII	08 02 21 45.6–5.8	44.48N	129.95W	0	3.1L,3.1		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=24.7km s-min=11.3km az=232.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=95.5km s-min=32.7km az=65.0.
ISC XII 08 00 12 09.4–1.2 44.38N–.09 129.5W–.10 13 3.5b 59 1-82
IDC XII 08 00 12 07.0–1.7 44.28N 129.81W 0 3.6L,3.4b **¶621634644**
NEIC XII 08 00 12 08.5–1.0 44.4N–.10 129.5W–.20 10–2 3.4L,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 05 43 29.9–.41 44.55N–.06 129.69W–.06 10 5.0b,4.7s 342 1-150
IDC XII 08 05 43 26.7–.65 44.50N 130.05W 0 4.6s,4.2b **¶621620215**
BJI XII 08 05 43 26.0 44.40N 129.60W 10 5.4s,5.3b
NEIC XII 08 05 43 29.6–2.3 44.50N–.08 129.7W–.10 10–1 5.2b,4.5L
GFZ XII 08 05 43 34.8–.47 45N–5.0 129W–6.0 10 5.8b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 08 04 13 59.2–1.4 44.59N–.09 128.2W–.10 10 26 2-60
IDC XII 08 04 13 50.6–7.7 44.49N 129.85W 0 3.2L,3.2b **¶621634666**
NEIC XII 08 04 14 01.3–1.6 44.5N–.10 128.1W–.10 10–2 3.0L,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 04 21 52.9–1.7 44.52N–.08 129.5W–.10 10 39 4-59
IDC XII 08 04 21 50.1–2.5 44.51N 129.86W 0 3.6L,3.3s **¶621634667**
NEIC XII 08 04 21 59.8–1.1 44.55N–.09 128.6W–.20 10–2 3.2L,3.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 03 14 50.5–.92 44.27N–.08 129.4W–.10 13 3.9s,3.9b 65 2-84
IDC XII 08 03 14 44.3–1.8 43.76N 130.64W 0 3.9s,3.6b **¶621620200**
NEIC XII 08 03 14 52.1–1.7 44.28N–.09 129.2W–.20 10–1 4.2b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 03 20 17.1–1.3 44.41N–.09 128.5W–.10 10 4.1b 30 2-83
IDC XII 08 03 20 06.9–2.1 44.00N 130.37W 0 3.7b,3.6 **¶621634660**
NEIC XII 08 03 20 18.6–1.8 44.4N–.10 128.5W–.10 10–2 4.1b,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 02 37 39.4–1.1 44.44N–.10 129.4W–.10 13 3.5b 36 4-83
NEIC XII 08 02 37 33.2–1.6 44.28N–.09 130.0W–.20 10–2 3.8b,3.4L **¶621634655**
IDC XII 08 02 37 37.7–1.6 44.31N 130.27W 0 3.7s,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=14.2km az=262.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.7km s-min=15.4km az=37.0.
ISC XII 08 02 41 33.8–2.0 44.3N–.10 130.2W–.20 15 32 2-58
NEIC XII 08 02 41 34.6–2.1 44.43N–.10 130.0W–.20 10–2 3.5L **¶621634656**
IDC XII 08 02 41 42.8–2.9 44.65N 130.01W 0 3.0,2.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=13.5km az=244.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.8km s-min=20.8km az=54.0.
ISC XII 08 05 43 44.4–.56 44.36N–.09 129.64W–.08 13 5.3b,5.2s 88 1-150
GFZ XII 08 05 43 30.6 44.44N 130.02W 19 5.5W,5.2s **¶624509510**
BGR XII 08 05 43 39.6 44.41N 129.92W 33 5.1b,5.0s
BJI XII 08 05 43 40.0 44.40N 129.60W 10 5.4b,5.2s
GCMT XII 08 05 43 42.4–.10 44.30N–.01 129.90W–.01 14–0 5.6W,5.2s
NEIC XII 08 05 43 44.5–1.4 44.36N–.08 129.6W–.10 10–1 5.3b,4.5L
NEIC XII 08 05 43 45.7 44.29N 129.82W 12 5.5,4.5L
NEIC XII 08 05 43 45.1 44.49N 129.54W 10 5.5,4.5L
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26 $M_{\theta\theta}$-1.51 $M_{\phi\phi}$1.77 $M_{r\theta}$-0.61 $M_{\theta\phi}$-1.60 $M_{\phi r}$-0.62 NP1:
ϕ_s114.38793°,δ70.21318°,λ-170.77326°. NP2:ϕ_s21.24036°,δ81.32236°,λ-20.02569°.
Principal axes: T 2.4648,Plg7.6248°,Azm69.1516°; N -0.0084,Plg68.2461°,Azm178.7534°
; P -2.4564,Plg20.2462°,Azm336.3213° $M_0$2.46060×10^{17}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080543A. Moment Tensor Solution. s96,c143; s152,c320;Duration: 1$\dot{s}$5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.31±.04 $M_{\theta\theta}$-1.76±.03; $M_{\phi\phi}$2.07±.03; $M_{r\theta}$-0.12±.07; $M_{\theta\phi}$-2.03±.03; $M_{\phi r}$0.01±.07; Best double couple: NP1:ϕ_s22.00000°
,δ87.00000°,λ-1.00000°. NP2:ϕ_s112.00000°,δ89.00000°,λ-177.00000°. Principal axes:
T 2.9470,Plg1.0000°,Azm247.0000°; N -0.3100,Plg87.0000°,Azm135.0000°
; P -2.6410,Plg3.0000°,Azm337.0000° $M_0$2.79400×10^{17}
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.5km az=231.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2$\dot{s}$1.0 Moment tensor: Scale 10^{17}Nm;
M_{rr}-0.33 $M_{\theta\theta}$-1.57 $M_{\phi\phi}$1.90 $M_{r\theta}$-0.34 $M_{\theta\phi}$-1.64 $M_{\phi r}$0.09 NP1:ϕ_s23.16000°,δ81.04000°
,λ-3.01000°. NP2:ϕ_s113.63000°,δ87.02000°,λ-171.03000°. Principal axes:
T 2.5642,Plg4.0000°,Azm248.0000°; N -0.3003,Plg81.0000°,Azm132.0000°
; P -2.2639,Plg8.0000°,Azm339.0000° $M_0$2.43000×10^{17}
NEIC Event type se.
ISC XII 08 04 35 14.2–1.0 44.37N–.09 129.8W–.10 13 3.5b 101 1-82
IDC XII 08 04 35 12.7–1.2 44.61N 129.82W 0 3.5b,3.4 **¶621634669**
NEIC XII 08 04 35 15.7–1.3 44.42N–.08 129.6W–.10 10–2 3.9b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 03 27 26.8–1.5 44.74N–.09 128.9W–.10 10 25 3-59
IDC XII 08 03 27 26.4–4.6 44.80N 129.44W 0 3.1,2.7b **¶621634662**
NEIC XII 08 03 27 26.8–1.5 44.66N–.08 128.9W–.10 10–2 3.2L,2.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 05 50 08.5–.50 44.36N–.06 129.44W–.08 13 4.8b 131 1-149
IDC XII 08 05 50 04.8–.81 44.52N 129.69W 0 4.1b,4.0 **¶621620217**
GFZ XII 08 05 50 09.0–.40 44N–5.0 130W–6.0 10 6.1,6.0
NEIC XII 08 05 50 09.1–2.2 44.42N–.09 129.3W–.10 10–1 4.9b,4.4L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 06 46 26.7–.56 44.27N–.07 129.44W–.07 13 4.6b,3.8s 188 2-149
IDC XII 08 06 46 23.2–1.0 44.18N 129.76W 0 4.1b,3.9 **¶621620220**
GFZ XII 08 06 46 26.1–.35 44N–5.0 130W–5.0 10 4.4b,4.4
NEIC XII 08 06 46 26.5–2.4 44.20N–.09 129.4W–.10 10–1 4.6b,3.6L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 04 37 30.5–1.1 44.5N–.10 129.6W–.10 13 3.8b,3.5s 46 1-83
NEIC XII 08 04 37 29.9–1.5 44.39N–.08 129.6W–.20 10–1 4.2b,3.6L **¶621634670**
IDC XII 08 04 37 29.7–1.4 44.73N 129.76W 0 3.7b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=9.7km az=238.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.8km s-min=14.9km az=46.0.
ISC XII 08 05 51 07.7–.53 44.29N–.07 129.28W–.07 13 4.9b 193 2-149
BJI XII 08 05 51 04.0 44.20N 129.30W 10 5.5b,5.3s **¶621634675**
IDC XII 08 05 51 06.9–.95 44.68N 129.35W 0 4.7s,4.4b
NEIC XII 08 05 51 07.0–1.5 44.19N–.08 129.3W–.10 10–1 5.0b,4.3L
NEIC XII 08 05 51 07.2 44.20N 129.27W 10 5.0b,4.3L
GFZ XII 08 05 51 08.1–.52 44N–6.0 130W–6.0 10 6.7b,6.5
GCMT XII 08 05 51 11.1–.20 44.11N–.01 129.49W–.01 12 5.2W,6.5
NEIC XII 08 05 51 16.6 44.20N 129.27W 12 5.1,6.5
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=10.8km az=40.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.1km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080551A. Moment Tensor Solution. s5,c6; s127,c225; Duration: 1$\dot{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.02 $M_{\theta\theta}$-0.55±.02; $M_{\phi\phi}$0.62±.01; $M_{r\theta}$-0.29±.06; $M_{\theta\phi}$-0.51±.01; $M_{\phi r}$0.08±.05; Best double couple: NP1:ϕ_s24.00000°,δ69.00000°
,λ-5.00000°. NP2:ϕ_s116.00000°,δ85.00000°,λ-158.00000°. Principal axes:
T 0.8540,Plg11.0000°,Azm248.0000°; N -0.0310,Plg68.0000°,Azm128.0000°
; P -0.8210,Plg19.0000°,Azm342.0000° $M_0$0.83800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 1$\dot{s}$9 Moment tensor: Scale 10^{16}Nm;
M_{rr}-0.85 $M_{\theta\theta}$-3.58 $M_{\phi\phi}$4.43 $M_{r\theta}$-2.26 $M_{\theta\phi}$-3.90 $M_{\phi r}$1.38 NP1:ϕ_s23.07000°,δ64.38000°
,λ-2.22000°. NP2:ϕ_s114.03000°,δ87.99000°,λ-154.36000°. Principal axes:
T 6.6361,Plg16.0000°,Azm246.0000°; N -0.9205,Plg64.0000°,Azm118.0000°
; P -5.7157,Plg19.0000°,Azm342.0000° $M_0$6.23000×10^{16}
ISC XII 08 04 40 36.2–.93 44.47N–.09 129.8W–.10 15 3.8b 67 4-85
IDC XII 08 04 40 34.8–1.1 44.69N 129.87W 0 3.7b,3.6s **¶621620209**
NEIC XII 08 04 40 35.9–1.6 44.47N–.07 129.8W–.20 10–1 4.1b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 03 40 03.1–1.2 44.4N–.10 129.4W–.10 13 3.1b 91 1-82
NEIC XII 08 03 40 00.3–1.7 44.29N–.08 129.6W–.10 10–2 3.8b,3.5L **¶621620204**
IDC XII 08 03 40 02.8–2.1 44.43N 129.73W 0 3.4s,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=11.6km az=229.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.9km s-min=19.5km az=52.0.
ISC XII 08 06 06 44.9–1.6 44.6N–.10 129.2W–.10 10 24 1-59
IDC XII 08 06 06 44.4–4.1 44.63N 129.44W 0 3.5s,2.9 **¶621634678**
NEIC XII 08 06 06 46.0–2.7 44.70N–.09 129.1W–.10 10–2 3.3L,2.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 03 40 22.6–.76 44.46N–.08 129.41W–.10 10 4.4b 107 1-85
IDC XII 08 03 40 18.2–1.1 44.11N 130.27W 0 4.0b,4.0 **¶621634665**
NEIC XII 08 03 40 23.4–1.4 44.50N–.10 129.3W–.20 10–1 4.4b,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 04 53 11.3–1.0 44.39N–.09 129.6W–.10 13 3.9b 77 1-82
IDC XII 08 04 53 11.7–1.8 44.82N 129.78W 0 4.4s,3.8b **¶621620213**
NEIC XII 08 04 53 12.6–1.6 44.42N–.09 129.5W–.20 10–2 4.0b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 06 24 53.4–.79 44.38N–.06 129.03W–.08 10 4.3b,3.9s 139 2-85
IDC XII 08 06 24 45.1–.97 44.57N 129.73W 0 3.9b,3.9s **¶621620218**
NEIC XII 08 06 24 54.4–1.7 44.44N–.08 129.0W–.10 10–1 4.3b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 04 54 15.5–.89 44.55N–.09 129.56W–.10 13 4.4b,3.6s 112 4-83
IDC XII 08 04 54 12.9–1.2 44.71N 129.89W 0 4.0b,3.7s **¶621620208**
NEIC XII 08 04 54 15.6–1.6 44.48N–.10 129.5W–.20 10–1 4.4b,3.4L
GCMT XII 08 04 54 17.1–.50 44.26N–.02 129.66W–.03 15–2 4.8W,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080454A. Moment Tensor Solution. s4,c5; s75,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35±.15 $M_{\theta\theta}$-1.34±.12; $M_{\phi\phi}$1.69±.12; $M_{r\theta}$-0.01±.26; $M_{\theta\phi}$-1.25±.09; $M_{\phi r}$0.16±.19; Best double couple: NP1:ϕ_s295.00000°,δ86.00000°
,λ179.00000°. NP2:ϕ_s25.00000°,δ89.00000°,λ4.00000°. Principal axes: T 2.1490,Plg4.0000°
,Azm250.0000°; N -0.3630,Plg86.0000°,Azm46.0000°; P -1.7900,Plg2.0000°,Azm160.0000°
$M_0$1.96900×10^{16}
ISC XII 08 03 48 49.1–.80 44.44N–.09 129.82W–.10 15 4.5b,3.9s 82 1-150
IDC XII 08 03 48 48.1–1.1 44.62N 129.83W 0 3.9s,3.8b **¶621620202**
NEIC XII 08 03 48 48.2–1.8 44.43N–.09 129.8W–.20 10–1 4.5b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 03 54 11.0–.75 44.43N–.08 129.70W–.10 13 4.3b,3.9s 82 1-100
IDC XII 08 03 54 10.1–.97 44.46N 129.70W 0 4.0b,4.0 **¶621620205**
NEIC XII 08 03 54 10.4–1.9 44.39N–.08 129.7W–.10 10–1 4.4b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 06 29 05.4–.66 44.31N–.08 129.46W–.08 13 4.3b,3.9s 96 2-134
IDC XII 08 06 29 03.6–.85 44.42N 129.70W 0 4.0b,4.0s **¶621620219**
NEIC XII 08 06 29 05.4–1.9 44.39N–.09 129.4W–.10 10–1 4.3b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 06 35 29.4–1.7 44.1N–.10 130.4W–.20 10 43 2-58
IDC XII 08 06 35 31.7–2.7 44.56N 129.61W 0 2.9b,2.9 **¶621620223**
NEIC XII 08 06 35 31.2–1.3 44.17N–.09 130.3W–.20 10–2 3.6L,2.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 09 25 00.5–1.8 44.41N–.08 129.2W–.20 10 27 3-59
IDC XII 08 09 24 58.0–3.0 44.37N 129.97W 0 3.2,3.1b **¶621634689**
NEIC XII 08 09 25 01.5–2.1 44.4N–.10 129.0W–.20 10–2 3.3L,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 07 17 10.7–1.0 44.33N–.08 129.0W–.10 10 4.4s,4.1b 69 2-86
IDC XII 08 07 17 07.1–1.8 44.41N 129.45W 0 4.3s,3.5b **¶621620226**
NEIC XII 08 07 17 12.1–1.8 44.31N–.10 128.7W–.10 10–1 4.2L,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 07 18 28.4–.34 44.16N–.05 129.46W–.05 13 5.2b,5.0s 420 2-155
BJI XII 08 07 18 25.0 44.30N 129.50W 10 5.4s,5.4b **¶621620222**
IDC XII 08 07 18 26.9–.61 44.33N 129.55W 0 4.9s,4.5b
MOS XII 08 07 18 26.7–.94 44.29N 129.38W 11 5.3b,4.5b
NEIC XII 08 07 18 28.3–2.3 44.29N–.07 129.4W–.10 10–1 5.5,5.2b
NEIC XII 08 07 18 28.4 44.30N 129.43W 10 5.5,5.2b
NEIC XII 08 07 18 28.6 44.28N 129.39W 10 5.5,5.2b
GFZ XII 08 07 18 29.8–.56 44N–5.0 129W–7.0 10 5.5b,5.5
GFZ XII 08 07 18 29.3 44.28N 129.39W 22 5.5W,5.5
GCMT XII 08 07 18 31.2–.10 44.16N–.01 129.54W–.01 12–0 5.5W,5.5
BGR XII 08 07 18 33.0 44.25N 129.88W 33 5.2s,5.0b
NEIC XII 08 07 18 35.9 44.30N 129.43W 12 5.5,5.0b
ISC Event type ke.
IDC Error ellipse: s-maj=18.3km s-min=8.7km az=37.0.
MOS Error ellipse: s-maj=11.0km s-min=7.8km az=115.3.

NEIC Event type se. Error ellipse: s-maj=15.4km s-min=9.3km az=232.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.45 $M_{\theta\theta}$-1.85 $M_{\phi\phi}$1.41 $M_{r\theta}$0.60 $M_{\theta\phi}$-1.43 $M_{\phi r}$-0.31 NP1:ϕ_s204.97000°,δ71.36000°,λ6.01000°. NP2:ϕ_s113.04000°,δ84.31000°,λ161.26000°. Principal axes: T 2.1047,Plg17.0000°,Azm68.0000°; N 0.3613,Plg70.0000°,Azm277.0000°; P -2.4660,Plg9.0000°,Azm160.0000° $M_0$2.31000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$1.68 $M_{r\theta}$-0.31 $M_{\theta\phi}$-1.28 $M_{\phi r}$-0.49 NP1:ϕ_s115.86592°,δ73.64003°,λ-175.95886°. NP2:ϕ_s24.72590°,δ86.12273°,λ-16.39856°. Principal axes: T 2.1899,Plg8.7056°,Azm71.3920°; N -0.1555,Plg73.1616°,Azm191.7855°; P -2.0343,Plg14.2992°,Azm339.1553° $M_0$2.11638×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080718A. Moment Tensor Solution. s118,c197; s153,c297;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.35±.03 $M_{\theta\theta}$-1.75±.03; $M_{\phi\phi}$2.10±.03; $M_{r\theta}$0.20±.07; $M_{\theta\phi}$-1.61±.03; $M_{\phi r}$-0.11±.07; Best double couple: NP1:ϕ_s205.00000°,δ85.00000°,λ-1.00000°. NP2:ϕ_s295.00000°,δ89.00000°,λ-175.00000°. Principal axes: T 2.6940,Plg3.0000°,Azm70.0000°; N -0.3510,Plg85.0000°,Azm303.0000°; P -2.3460,Plg4.0000°,Azm160.0000° $M_0$2.52000×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$2.08 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.42 $M_{\phi r}$-0.39 NP1:ϕ_s114.99000°,δ81.88000°,λ178.88000°. NP2:ϕ_s205.15000°,δ88.89000°,λ8.12000°. Principal axes: T 2.6384,Plg7.0000°,Azm70.0000°; N -0.7658,Plg82.0000°,Azm213.0000°; P -1.8726,Plg5.0000°,Azm340.0000° $M_0$2.35000×10^{17}

ISC	**XII**	**08 05 09 52.1–2.8**	**44.2N–.10**	**130.2W–.20**	**10**		**37**	**2-20**	
NEIC	XII	08 05 09 52.0–1.3	44.15N–.03	130.2W–.20	10–2	3.5L			**¶621634672**
IDC	XII	08 05 09 55.3–8.1	44.70N	129.86W	0	2.9L,2.8			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=4.9km az=277.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=128.2km s-min=32.6km az=65.0.

ISC	**XII**	**08 05 12 07.8–4.2**	**44.3N–.10**	**129.9W–.30**	**15**		**29**	**4-26**	
IDC	XII	08 05 12 08.4–9.5	44.71N	129.51W	0	3.2L,3.1b			**¶621634673**
NEIC	XII	08 05 12 11.3–1.4	44.4N–.10	129.5W–.20	10–2	3.5L,3.1b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 09 28 30.1–1.2**	**44.01N–.10**	**129.3W–.10**	**10**	**3.5b**	**34**	**2-83**	
IDC	XII	08 09 28 25.1–1.9	43.78N	130.61W	0	3.3b,3.3			**¶621634690**
NEIC	XII	08 09 28 33.2–1.2	43.98N–.08	128.95W–.04	10–2	3.2L,3.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 09 35 00.5–.89**	**44.30N–.08**	**129.68W–.09**	**10**	**3.9b,3.1s**	**73**	**2-86**	
IDC	XII	08 09 35 00.6–1.5	44.25N	129.97W	0	3.7b,3.6			**¶621620583**
NEIC	XII	08 09 35 00.4–2.0	44.32N–.07	129.6W–.10	10–2	4.0b,3.5L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 05 15 24.9–.45**	**44.29N–.05**	**129.46W–.05**	**11–2**	**5.3b,4.9s**	**602**	**2-154**	
BJI	XII	08 05 15 21.5	44.40N	129.40W	10	5.4s,5.4b			**¶621620211**
IDC	XII	08 05 15 24.2–.51	44.55N	129.44W	0	4.8s,4.6b			
NEIC	XII	08 05 15 24.9–1.4	44.36N–.07	129.4W–.10	10–1	5.4,5.3b			
NEIC	XII	08 05 15 25	44.37N	129.38W	10	5.4,5.3b			
MOS	XII	08 05 15 25.5–1.1	44.50N	129.29W	18	5.4b,4.9s			
GFZ	XII	08 05 15 25.8	44.32N	129.46W	21	5.4W,4.9s			
NEIC	XII	08 05 15 25	44.37N	129.38W	10	5.4W,4.9s			
GFZ	XII	08 05 15 26.3–.59	44N–5.0	130W–7.0	10	5.6b,5.4			
GCMT	XII	08 05 15 26.1–.10	44.25N–.01	129.67W–.01	12	5.5W,5.4			
BGR	XII	08 05 15 31.2	44.58N	129.56W	33	5.1b,5.0s			
NEIC	XII	08 05 15 35.8	44.37N	129.38W	12	5.4,5.0s			

ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=8.6km az=31.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=8.1km az=235.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.33 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$1.29 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.70 $M_{\phi r}$-0.25 NP1:ϕ_s212.71000°,δ83.21000°,λ9.80000°. NP2:ϕ_s121.54000°,δ80.27000°,λ173.11000°. Principal axes: T 1.4998,Plg12.0000°,Azm77.0000°; N 0.2845,Plg78.0000°,Azm247.0000°; P -1.7843,Plg2.0000°,Azm347.0000° $M_0$1.66000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=9.2km s-min=5.1km az=100.4.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.38 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$1.43 $M_{r\theta}$-0.24 $M_{\theta\phi}$-0.89 $M_{\phi r}$-0.39 NP1:ϕ_s117.98130°,δ71.12135°,λ-172.44500°. NP2:ϕ_s25.52401°,δ82.85360°,λ-19.03211°. Principal axes: T 1.7532,Plg8.0957°,Azm73.0557°; N -0.3119,Plg69.7170°,Azm185.6926°; P -1.4412,Plg18.4672°,Azm340.3329° $M_0$1.61990×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080515A. Moment Tensor Solution. s105,c179; s152,c309;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.02 $M_{\theta\theta}$-1.26±.02; $M_{\phi\phi}$1.67±.02; $M_{r\theta}$0.14±.05; $M_{\theta\phi}$-1.17±.02; $M_{\phi r}$-0.30±.05; Best double couple: NP1:ϕ_s206.00000°,δ84.00000°,λ4.00000°. NP2:ϕ_s115.00000°,δ86.00000°,λ174.00000°. Principal axes: T 2.1240,Plg7.0000°,Azm71.0000°; N -0.4570,Plg82.0000°,Azm261.0000°; P -1.6710,Plg1.0000°,Azm161.0000° $M_0$1.89700×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66 $M_{\theta\theta}$-0.97 $M_{\phi\phi}$1.63 $M_{r\theta}$-0.20 $M_{\theta\phi}$-0.93 $M_{\phi r}$0.19 NP1:ϕ_s27.00000°,δ77.72000°,λ-4.71000°. NP2:ϕ_s118.01000°,δ85.40000°,λ-167.68000°. Principal axes: T 1.9516,Plg5.0000°,Azm252.0000°; N -0.6514,Plg77.0000°,Azm138.0000°; P -1.3003,Plg12.0000°,Azm343.0000° $M_0$1.72000×10^{17}

ISC	**XII**	**08 09 56 38.7–.76**	**44.03N–.08**	**129.65W–.09**	**13**	**4.4b**	**129**	**2-83**	
NEIC	XII	08 09 56 37.5–2.2	44.00N–.08	129.7W–.10	10–2	4.4b,3.6L			**¶621620577**
IDC	XII	08 09 56 37.1–1.3	44.17N	130.13W	0	3.9b,3.8			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=10.9km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.2km s-min=13.9km az=40.0.

ISC	**XII**	**08 10 00 10.7–1.4**	**44.2N–.10**	**129.3W–.10**	**13**	**3.6b**	**37**	**2-76**	
IDC	XII	08 10 00 10.7–1.7	44.44N	129.23W	0	3.5b,3.5			**¶621634692**
NEIC	XII	08 10 00 11.5–1.9	44.12N–.04	129.1W–.10	10–2	3.5L,3.5			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 10 02 13.0–.83**	**44.14N–.08**	**129.49W–.09**	**13**	**4.3b**	**124**	**2-83**	
IDC	XII	08 10 02 11.3–1.2	44.13N	129.88W	0	3.9b,3.9			**¶621620579**
NEIC	XII	08 10 02 13.2–1.3	44.15N–.08	129.4W–.10	10–2	4.3b,3.6L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 10 06 40.4–1.3**	**44.3N–.10**	**129.5W–.10**	**13**		**49**	**2-59**	
IDC	XII	08 10 06 40.6–2.4	44.26N	129.52W	0	3.4b,3.4			**¶621634694**
NEIC	XII	08 10 06 41.6–1.9	44.4N–.10	129.3W–.10	10–2	3.9b,3.4L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 10 14 31.3–.51**	**44.26N–.06**	**129.43W–.07**	**13**	**4.8b,4.3s**	**326**	**2-149**	
IDC	XII	08 10 14 29.9–.70	44.21N	129.55W	0	4.3b,4.2			**¶621620582**
NEIC	XII	08 10 14 30.8–1.1	44.32N–.07	129.4W–.10	10–1	5.0b,4.0L			
NEIC	XII	08 10 14 31	44.34N	129.41W	10	5.0b,4.0L			
GFZ	XII	08 10 14 31.5–.38	44N–5.0	130W–5.0	10	5.7b,5.2			
GFZ	XII	08 10 14 31.5	44.22N	129.66W	24	5.0W,5.2			
GCMT	XII	08 10 14 32.8–.20	44.11N–.01	129.57W–.01	18–1	5.1W,5.2			
NEIC	XII	08 10 14 36.9	44.14N	129.55W	14	5.1,5.2			

ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=9.2km az=40.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=9.2km az=242.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.04 $M_{\theta\theta}$-2.25 $M_{\phi\phi}$3.29 $M_{r\theta}$-0.59 $M_{\theta\phi}$-3.12 $M_{\phi r}$-1.82 NP1:ϕ_s111.66278°,δ63.43574°,λ-172.51414°. NP2:ϕ_s18.29978°,δ83.30823°,λ-26.76093°. Principal axes: T 5.0308,Plg13.5221°,Azm67.8055°; N -0.8203,Plg62.4751°,Azm185.2884°; P -4.2104,Plg23.4917°,Azm331.8057° $M_0$4.67490×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081014A. Moment Tensor Solution. s56,c70; s137,c243; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.11±.15 $M_{\theta\theta}$-4.19±.13; $M_{\phi\phi}$4.30±.12; $M_{r\theta}$-0.81±.28; $M_{\theta\phi}$-4.43±.11; $M_{\phi r}$0.52±.26; Best double couple: NP1:ϕ_s22.00000°,δ81.00000°,λ1.00000°. NP2:ϕ_s292.00000°,δ89.00000°,λ171.00000°. Principal axes: T 6.2910,Plg7.0000°,Azm247.0000°; N -0.1600,Plg81.0000°,Azm103.0000°; P -6.1300,Plg5.0000°,Azm337.0000° $M_0$6.21100×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57 $M_{\theta\theta}$-2.65 $M_{\phi\phi}$3.23 $M_{r\theta}$-1.40 $M_{\theta\phi}$-3.59 $M_{\phi r}$0.43 NP1:ϕ_s19.27000°,δ71.92000°,λ-3.77000°. NP2:ϕ_s110.45000°,δ86.41000°,λ-161.89000°. Principal axes: T 5.1005,Plg10.0000°,Azm243.0000°; N -0.4537,Plg72.0000°,Azm121.0000°; P -4.6468,Plg15.0000°,Azm336.0000° $M_0$4.89000×10^{16}

ISC	**XII**	**08 10 20 32.1–2.2**	**43.9N–.20**	**129.5W–.20**	**13**		**29**	**2-59**	
NEIC	XII	08 10 20 28.2–1.2	43.77N–.08	129.67W–.05	10–2	3.6L			**¶621634695**
IDC	XII	08 10 20 36.2–6.4	44.21N	129.84W	0	3.8L,3.6			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=5.0km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=97.7km s-min=32.4km az=36.0.

NEIC	**XII**	**08 07 30 46.3–.92**	**44.3N–.10**	**129.4W–.20**	**10–2**	**3.7L**			**¶621620228**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 10 27 00.6–1.5**	**44.03N–.09**	**129.5W–.10**	**13**		**45**	**2-59**	
NEIC	XII	08 10 26 58.4–1.6	43.9N–.10	129.5W–.20	10–2	3.9b,3.4L			**¶621634697**
IDC	XII	08 10 27 00.5–3.4	44.15N	129.82W	0	3.1L,3.1b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=4.3km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.6km s-min=22.8km az=48.0.

ISC	**XII**	**08 07 36 58.0–.93**	**44.45N–.08**	**129.4W–.10**	**10**	**4.0b**	**46**	**1-82**	
IDC	XII	08 07 36 56.6–1.5	44.33N	130.08W	0	3.7b,3.6			**¶621620230**
NEIC	XII	08 07 36 57.5–1.4	44.32N–.09	129.4W–.20	10–2	4.1b,3.4L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 10 44 07.1–1.9**	**44.1N–.10**	**129.6W–.10**	**13**		**36**	**2-59**	
NEIC	XII	08 10 44 05.1–1.0	44.01N–.05	129.6W–.20	10–2	3.5L			**¶621634699**
IDC	XII	08 10 44 07.1–3.1	44.22N	129.67W	0	3.2b,3.1			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=6.5km az=250.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.7km s-min=18.2km az=48.0.

ISC	**XII**	**08 05 33 46.6–.46**	**44.46N–.06**	**129.67W–.07**	**13**	**5.0s,4.9b**	**307**	**1-150**	
BJI	XII	08 05 33 44.0	44.50N	129.50W	10	5.4b,5.3s			**¶621620214**
IDC	XII	08 05 33 44.7–.77	44.62N	129.85W	0	4.7s,4.3b			
NEIC	XII	08 05 33 46.4	44.51N	129.64W	10	4.7s,4.3b			
NEIC	XII	08 05 33 46.1–2.5	44.48N–.06	129.7W–.10	10–1	5.0b,3.9L			
GFZ	XII	08 05 33 48.0–.35	44N–5.0	130W–5.0	10	4.5b,4.5			
GCMT	XII	08 05 33 48.2–.20	44.27N–.01	129.94W–.01	12–1	5.3W,4.5			
NEIC	XII	08 05 33 57	44.51N	129.64W	12	5.3,4.5			

ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=9.3km az=42.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=5.1km az=233.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=12.6km s-min=6.9km az=45.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080533A. Moment Tensor Solution. s59,c81; s137,c261; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.02 $M_{\theta\theta}$-0.71±.02; $M_{\phi\phi}$0.85±.02; $M_{r\theta}$-0.05±.05; $M_{\theta\phi}$-0.78±.02; $M_{\phi r}$0.11±.05; Best double couple: NP1:ϕ_s23.00000°,δ86.00000°,λ3.00000°. NP2:ϕ_s293.00000°,δ87.00000°,λ176.00000°. Principal axes: T 1.1870,Plg5.0000°,Azm248.0000°; N -0.1560,Plg85.0000°,Azm73.0000°; P -1.0320,Plg0.0000°,Azm338.0000° $M_0$1.11000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.34 $M_{\theta\theta}$-5.27 $M_{\phi\phi}$7.61 $M_{r\theta}$2.27 $M_{\theta\phi}$-6.19 $M_{\phi r}$-0.57 NP1:ϕ_s202.16000°,δ73.00000°,λ-8.23000°. NP2:ϕ_s294.58000°,δ82.14000°,λ-162.83000°. Principal axes: T 10.2533,Plg6.0000°,Azm67.0000°; N -1.8855,Plg71.0000°,Azm318.0000°; P -8.3678,Plg18.0000°,Azm159.0000° $M_0$9.45000×10^{16}

ISC	**XII**	**08 10 50 25.3–.47**	**44.29N–.06**	**129.47W–.06**	**13**	**5.1b,4.4s**	**416**	**2-149**	
BJI	XII	08 10 50 21.0	44.30N	129.50W	10	5.4b,5.1s			**¶621620585**
IDC	XII	08 10 50 23.4–.79	44.26N	129.74W	0	4.5b,4.5			
NEIC	XII	08 10 50 25.3–1.2	44.38N–.07	129.4W–.10	10–1	5.2b,4.4L			
GFZ	XII	08 10 50 25.6–.32	44N–4.0	130W–4.0	10	5.5b,4.9			
NEIC	XII	08 10 50 25.3	44.38N	129.42W	10	5.5b,4.9			
GFZ	XII	08 10 50 25.8	44.21N	129.58W	23	5.1W,4.9			
GCMT	XII	08 10 50 27.3–.10	44.10N–.01	129.59W–.01	16–0	5.2W,4.9			
NEIC	XII	08 10 50 32.8	44.38N	129.42W	12	5.1,4.9			

ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=9.2km az=44.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.3km az=233.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.6km s-min=6.1km az=42.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.40 $M_{\theta\theta}$-3.82 $M_{\phi\phi}$3.42 $M_{r\theta}$1.38 $M_{\theta\phi}$-4.17 $M_{\phi r}$-0.34 NP1:ϕ_s110.37830°,δ89.99701°,λ165.63049°. NP2:ϕ_s200.37907°,δ75.63049°,λ0.00309°. Principal axes: T 5.4763,Plg10.1091°,Azm64.4683°; N 0.4443,Plg75.6305°,Azm290.3666°; P -5.9206,Plg10.1048°,Azm156.2891° $M_0$5.71141×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081050A. Moment Tensor Solution. s85,c121; s138,c261;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.40±.13 $M_{\theta\theta}$-5.13±.13; $M_{\phi\phi}$4.73±.11; $M_{r\theta}$-1.10±.34; $M_{\theta\phi}$-5.98±.11; $M_{\phi r}$1.31±.32; Best double couple: NP1:ϕ_s20.00000°,δ79.00000°,λ7.00000°. NP2:ϕ_s289.00000°,δ83.00000°,λ169.00000°. Principal axes: T 7.9150,Plg12.0000°,Azm244.0000°; N 0.0600,Plg77.0000°,Azm79.0000°; P -7.9730,Plg3.0000°,Azm335.0000° $M_0$7.94400×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15 $M_{\theta\theta}$-3.83 $M_{\phi\phi}$3.98 $M_{r\theta}$-0.91 $M_{\theta\phi}$-4.64 $M_{\phi r}$-2.02 NP1:ϕ_s110.35000°,δ69.99000°,λ-178.14000°. NP2:ϕ_s19.71000°,δ88.25000°,λ-20.02000°. Principal axes: T 6.4652,Plg13.0000°,Azm67.0000°; N -0.0153,Plg70.0000°,Azm195.0000°; P -6.4499,Plg15.0000°,Azm333.0000° $M_0$6.46000×10^{16}

ISC	**XII**	**08 10 59 03.2–1.2**	**43.99N–.09**	**129.3W–.10**	**13**	**3.9b**	**78**	**2-59**	
IDC	XII	08 10 59 01.8–2.4	44.18N	129.52W	0	3.4b,3.3			**¶621620587**
NEIC	XII	08 10 59 02.8–1.1	43.92N–.05	129.2W–.10	10–1	4.1b,3.6L			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 12 12 45.8–.76 44.16N–.07 129.49W–.09 13 4.3b,3.7s 99 2-134
NEIC XII 08 12 12 44.8–2.1 44.21N–.07 129.5W–.10 10–2 4.4b,3.7L **¶621622040**
IDC XII 08 12 12 45.7–1.3 44.10N 129.74W 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=9.6km az=241.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=12.5km az=46.0.
ISC XII 08 11 02 41.9–1.7 44.12N–.09 129.5W–.10 13 36 2-59
NEIC XII 08 11 02 39.3–1.7 43.99N–.03 129.6W–.20 10–2 3.6L **¶621634700**
IDC XII 08 11 02 41.8–4.0 44.27N 129.59W 0 3.1b,3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=3.2km az=258.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=98.1km s-min=21.1km az=53.0.
ISC XII 08 11 29 42.1–.58 44.30N–.07 129.53W–.08 13 4.7b,4.1s 228 2-134
IDC XII 08 11 29 40.4–.88 44.25N 129.69W 0 4.1b,4.1 **¶621620589**
NEIC XII 08 11 29 41.5–1.7 44.33N–.07 129.4W–.10 10–1 4.8b,3.9L
NEIC XII 08 11 29 41.5 44.33N 129.45W 10 4.8b,3.9L
GCMT XII 08 11 29 43.8–.20 44.07N–.01 129.59W–.02 16–1 5.0W,3.9L
GFZ XII 08 11 29 43.9–.44 44N–5.0 130W–5.0 10 6.4b,6.2
NEIC XII 08 11 29 48.2 44.13N 129.45W 14 4.9,6.2
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=9.8km az=44.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=6.4km az=233.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081129A. Moment Tensor Solution. s32,c38; s107,c177; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.64±.10 $M_{\theta\theta}$-2.38±.10; $M_{\phi\phi}$1.75±.07; $M_{r\theta}$-0.54±.27; $M_{\theta\phi}$-2.29±.08; $M_{\phi r}$0.99±.27; Best double couple: NP1:ϕ_s23.00000°,δ73.00000° ,λ16.00000°. NP2:ϕ_s289.00000°,δ75.00000°,λ162.00000°. Principal axes: T 3.2540,Plg23.0000°,Azm246.0000°; N 0.1540,Plg67.0000°,Azm69.0000° ; P -3.4010,Plg1.0000°,Azm336.0000° $M_0$3.32700×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1$\hat{s}$4 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.09 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$1.55 $M_{r\theta}$-0.18 $M_{\theta\phi}$-1.95 $M_{\phi r}$0.18 NP1:ϕ_s19.00000°,δ84.77000° ,λ2.27000°. NP2:ϕ_s288.80000°,δ87.74000°,λ174.77000°. Principal axes: T 2.5305,Plg5.0000°,Azm244.0000°; N -0.1112,Plg84.0000°,Azm85.0000° ; P -2.4193,Plg2.0000°,Azm334.0000° $M_0$2.48000×10^{16}
ISC XII 08 12 25 25.8–1.1 44.18N–.07 130.0W–.10 10 4.1b,3.6s 82 2-95
NEIC XII 08 12 25 25.6–2.1 44.15N–.07 129.9W–.10 10–2 4.3b,3.7L **¶621622042**
IDC XII 08 12 25 37.2–1.3 44.61N 128.90W 0 3.9b,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=7.8km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.2km s-min=11.2km az=48.0.
ISC XII 08 12 32 52.2–1.9 44.1N–.10 130.0W–.20 10 40 2-58
NEIC XII 08 12 32 50.0–1.8 43.97N–.09 130.1W–.20 10–2 3.6L **¶621634702**
IDC XII 08 12 32 52.3–2.8 44.18N 130.10W 0 3.2,3.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=10.6km az=239.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.1km s-min=16.8km az=56.0.
ISC XII 08 14 34 07.5–.84 44.24N–.09 129.40W–.09 13 4.0b,3.6s 74 2-86
NEIC XII 08 14 34 07.8–1.4 44.25N–.05 129.20W–.09 10–1 4.0b,3.6L **¶621622054**
IDC XII 08 14 34 09.7–1.4 44.56N 129.32W 0 3.8b,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.3km az=276.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.1km s-min=13.5km az=44.0.
ISC XII 08 11 51 00.2–1.8 44.19N–.10 128.9W–.10 10 32 2-59
NEIC XII 08 11 50 58.9–2.2 44.0N–.10 129.0W–.20 10–2 3.3L **¶621634701**
IDC XII 08 11 51 03.8–3.6 44.33N 129.84W 0 3.4L,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=11.5km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.2km s-min=28.5km az=48.0.
ISC XII 08 17 37 34.8–2.1 44.2N–.10 129.4W–.20 10 32 2-59
NEIC XII 08 17 37 34.6–1.8 44.09N–.09 129.4W–.20 10–2 3.8b,3.6L **¶621634731**
IDC XII 08 17 37 41.0–3.3 45.11N 129.69W 0 3.3L,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=6.0km az=235.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.3km s-min=24.1km az=46.0.
ISC XII 08 14 46 18.8–1.1 44.18N–.09 129.8W–.10 10 3.8b,3.3s 56 2-82
NEIC XII 08 14 46 18.3–1.4 44.18N–.10 129.7W–.20 10–2 4.0b,3.7L **¶621622053**
IDC XII 08 14 46 27.5–1.6 44.66N 129.23W 0 3.7b,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=11.4km az=232.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.4km s-min=13.9km az=40.0.
ISC XII 08 12 42 30.4–1.0 44.53N–.10 129.7W–.10 13 3.9b,3.5s 61 1-82
IDC XII 08 12 42 28.0–1.4 44.05N 130.14W 0 3.6b,3.6 **¶621622045**
NEIC XII 08 12 42 29.6–1.4 44.7N–.10 129.7W–.20 10–2 4.0b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 16 47 59.1–1.6 43.94N–.09 129.9W–.20 10 3.5b 42 2-58
NEIC XII 08 16 47 57.2–1.8 43.95N–.08 130.01W–.05 10–2 3.9b,3.6L **¶621622169**
IDC XII 08 16 48 02.6–3.0 44.12N 129.78W 0 3.4b,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.9km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=63.1km s-min=20.7km az=48.0.
NEIC XII 08 16 48 42.4–2.5 44.01N–.10 128.7W–.10 10–2 3.8b,3.4L ¶635897776
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 17 40 37.8–1.9 44.1N–.10 129.5W–.10 13 45 3-59
IDC XII 08 17 40 37.5–3.5 44.26N 130.03W 0 3.6L,3.1 **¶621634732**
NEIC XII 08 17 40 38.4–2.2 44.10N–.10 129.5W–.10 10–2 3.7L,3.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 17 54 47.1–2.0 44.0N–.10 129.7W–.20 13 29 2-59
IDC XII 08 17 54 47.7–4.0 44.16N 128.94W 0 3.1L,3.1b **¶621634734**
NEIC XII 08 17 54 48.0–.72 44.02N–.05 129.8W–.20 10–2 3.5L,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 17 07 29.8–2.0 44.0N–.10 129.7W–.20 10 20 2-58
IDC XII 08 17 07 29.8–4.9 44.18N 129.85W 0 3.2,3.1b **¶621634724**
NEIC XII 08 17 07 30.0–2.4 44.09N–.03 129.7W–.20 10–2 3.7L,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 15 05 01.5–.68 44.14N–.08 129.23W–.08 15 4.8b,4.0s 107 2-149
IDC XII 08 15 04 58.4–1.0 44.20N 129.64W 0 4.1b,4.1s **¶621622055**
NEIC XII 08 15 05 00.2–1.5 44.03N–.08 129.2W–.10 10–1 4.8b,3.8L
NEIC XII 08 15 05 01.6 44.07N 129.05W 10 4.8b,3.8L
GCMT XII 08 15 05 02.4–.20 44.12N–.02 129.58W–.02 20–1 5.0W,3.8L
NEIC XII 08 15 05 10.2 44.17N 129.19W 12 4.8,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=10.9km az=38.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=9.4km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081505A. Moment Tensor Solution. s35,c36; s103,c167; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.54±.14 $M_{\theta\theta}$-2.49±.12; $M_{\phi\phi}$1.94±.09; $M_{r\theta}$-0.56±.22; $M_{\theta\phi}$-2.34±.10; $M_{\phi r}$0.60±.20; Best double couple: NP1:ϕ_s23.00000°,δ76.00000° ,λ9.00000°. NP2:ϕ_s290.00000°,δ81.00000°,λ165.00000°. Principal axes: T 3.1750,Plg16.0000°,Azm246.0000°; N 0.3350,Plg73.0000°,Azm80.0000° ; P -3.5160,Plg4.0000°,Azm337.0000° $M_0$3.34500×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.15 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$1.20 $M_{r\theta}$0.07 $M_{\theta\phi}$-1.54 $M_{\phi r}$0.13 NP1:ϕ_s289.80000°,δ85.75000° ,λ180.00000°. NP2:ϕ_s19.80000°,δ90.00000°,λ4.25000°. Principal axes: T 1.9299,Plg3.0000° ,Azm245.0000°; N 0.1494,Plg86.0000°,Azm20.0000°; P -2.0793,Plg3.0000°,Azm155.0000° $M_0$2.01000×10^{16}
ISC XII 08 13 14 03.7–.95 44.21N–.08 129.46W–.10 10 3.8b 62 2-87
IDC XII 08 13 14 03.8–1.9 44.31N 129.52W 0 3.3b,3.3 **¶621634703**
NEIC XII 08 13 14 03.6–1.7 44.25N–.09 129.4W–.10 10–2 3.8b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 18 00 22.7–1.7 44.1N–.10 129.6W–.10 13 33 2-59
NEIC XII 08 18 00 19.7–1.8 44.03N–.05 129.9W–.10 10–1 3.7L **¶621634735**
IDC XII 08 18 00 25.4–3.3 44.34N 129.03W 0 3.9L,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=8.6km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.9km s-min=26.6km az=46.0.
ISC XII 08 18 19 59.7–1.4 44.4N–.10 129.6W–.10 13 66 3-59
IDC XII 08 18 19 59.8–2.6 44.63N 129.66W 0 3.9L,3.8s **¶621634737**
NEIC XII 08 18 19 59.0–1.4 44.44N–.08 129.63W–.03 10–2 3.9b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 15 13 28.9–1.3 44.2N–.10 129.7W–.10 10 83 2-59
NEIC XII 08 15 13 27.4–1.9 44.07N–.10 129.7W–.20 10–2 3.9b,3.7L **¶621622162**
IDC XII 08 15 13 28.4–3.0 44.01N 129.96W 0 3.6b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=11.4km az=235.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.5km s-min=18.6km az=48.0.
ISC XII 08 18 37 02.1–1.2 44.18N–.10 129.4W–.10 13 53 2-59
IDC XII 08 18 36 59.6–4.2 44.15N 129.73W 0 3.3s,3.2b **¶621634738**
NEIC XII 08 18 37 02.7–1.6 44.25N–.08 129.4W–.20 10–1 3.7b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 19 26 12.7–1.6 43.9N–.10 129.1W–.20 15 53 2-59
IDC XII 08 19 26 12.0–4.4 43.66N 130.10W 0 3.5s,3.2L **¶621634742**
NEIC XII 08 19 26 13.8–1.5 43.83N–.08 129.1W–.20 10–2 3.8b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 13 30 22.5–.47 44.34N–.06 129.41W–.06 13 4.9b,4.4s 231 2-149
BJI XII 08 13 30 18.0 44.30N 129.50W 10 5.2s,5.2b **¶621622047**
NEIC XII 08 13 30 21.6 44.31N 129.49W 10 5.2s,5.2b
IDC XII 08 13 30 21.9–.69 44.30N 129.45W 0 4.3s,4.2b
GFZ XII 08 13 30 22.4–.44 44N–6.0 130W–6.0 10 6.4b,6.2
GFZ XII 08 13 30 22.6 44.21N 129.70W 10 5.0W,6.2
NEIC XII 08 13 30 22.3–1.6 44.37N–.07 129.30W–.10 10–1 5.0b,4.2L
GCMT XII 08 13 30 25.5–.20 44.09N–.01 129.59W–.01 18–0 5.2W,4.2L
NEIC XII 08 13 30 30.4 44.11N 129.35W 14 5.1,4.2L
ISC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=8.7km az=38.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.34 $M_{\theta\theta}$-2.43 $M_{\phi\phi}$1.09 $M_{r\theta}$0.53 $M_{\theta\phi}$-2.78 $M_{\phi r}$0.21 NP1: ϕ_s286.16084°,δ88.16026°,λ-173.27584°. NP2:ϕ_s195.94397°,δ83.27932°,λ-1.85248°. Principal axes: T 2.6240,Plg3.4427°,Azm60.8703°; N 1.3931,Plg83.0298°,Azm301.3931° ; P -4.0172,Plg6.0533°,Azm151.2359° $M_0$3.53301×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.0km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081330A. Moment Tensor Solution. s70,c97; s139,c246; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.32±.14 $M_{\theta\theta}$-4.48±.13; $M_{\phi\phi}$4.16±.11; $M_{r\theta}$-0.35±.28; $M_{\theta\phi}$-5.23±.11; $M_{\phi r}$1.13±.27; Best double couple: NP1:ϕ_s289.00000°,δ82.00000° ,λ174.00000°. NP2:ϕ_s20.00000°,δ84.00000°,λ8.00000°. Principal axes: T 6.8350,Plg10.0000°,Azm245.0000°; N 0.1120,Plg80.0000°,Azm58.0000° ; P -6.9470,Plg1.0000°,Azm155.0000° $M_0$6.89100×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1$\hat{s}$8 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.13 $M_{\theta\theta}$-2.99 $M_{\phi\phi}$3.13 $M_{r\theta}$-1.13 $M_{\theta\phi}$-4.09 $M_{\phi r}$0.67 NP1:ϕ_s18.72000°,δ76.01000° ,λ2.22000°. NP2:ϕ_s288.19000°,δ87.85000°,λ166.00000°. Principal axes: T 5.3984,Plg11.0000°,Azm243.0000°; N -0.2496,Plg76.0000°,Azm100.0000° ; P -5.1488,Plg8.0000°,Azm334.0000° $M_0$5.28000×10^{16}
ISC XII 08 17 19 25.0–1.7 43.9N–.10 129.7W–.10 13 35 2-58
NEIC XII 08 17 19 23.8–1.9 43.77N–.05 129.9W–.20 10–2 3.8b,3.7L **¶621634725**
IDC XII 08 17 19 24.7–4.0 43.75N 129.56W 0 3.0L,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=3.1km az=250.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=102.8km s-min=24.1km az=54.0.
ISC XII 08 17 26 48.4–1.8 43.7N–.10 129.9W–.10 10 46 2-58
IDC XII 08 17 26 47.8–4.0 43.64N 129.38W 0 3.4L,3.2b **¶621634726**
NEIC XII 08 17 26 47.4–.71 43.75N–.05 130.1W–.20 10–2 3.8L,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 19 28 13.1–1.1 44.15N–.10 129.36W–.10 13 3.7b 73 3-83
IDC XII 08 19 28 11.0–1.6 43.97N 130.04W 0 3.6b,3.6 **¶621622145**
NEIC XII 08 19 28 12.8–2.3 44.16N–.09 129.3W–.10 10–2 4.0b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 17 28 21.1–1.6 44.1N–.10 129.3W–.10 13 18 2-59
IDC XII 08 17 28 18.7–4.7 44.02N 129.51W 0 3.6s,3.2b **¶621634728**
NEIC XII 08 17 28 21.0–1.9 44.09N–.10 129.4W–.20 10–2 3.9L,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 15 38 21.0–.43 44.30N–.05 129.31W–.04 10–2 5.3b,4.7s 556 2-154
IDC XII 08 15 38 19.0–.56 44.34N 129.58W 0 4.6b,4.6 **¶621622056**
BJI XII 08 15 38 19.2 44.39N 129.83W 7 5.3s,5.3b
MOS XII 08 15 38 19.9–.99 44.23N 129.39W 19 5.4b,4.7s
NEIC XII 08 15 38 20.3–1.3 44.30N–.06 129.5W–.10 10–1 5.4b,4.5L
NEIC XII 08 15 38 20.2 44.26N 129.50W 10 5.4b,4.5L
GFZ XII 08 15 38 21.8 44.26N 129.51W 15 5.2W,4.5L
GFZ XII 08 15 38 23.3–.47 44N–5.0 129W–6.0 10 5.6b,5.4

GCMT XII 08 15 38 23.1–.10 44.10N–.01 129.57W–.01 15–0 5.4W,5.4
BGR XII 08 15 38 25.4 44.43N 129.88W 33 5.0s,4.8b
NEIC XII 08 15 38 27.4 44.26N 129.50W 12 5.3,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=17.5km s-min=8.4km az=34.0.
MOS Error ellipse: s-maj=9.1km s-min=5.5km az=102.4.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=3.8km az=235.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88 $M_{\theta\theta}$-6.07 $M_{\phi\phi}$6.95 $M_{r\theta}$1.10 $M_{\theta\phi}$-6.24 $M_{\phi r}$-0.71 NP1: ϕ_s113.15062°,δ89.80243°,λ171.87363°. NP2:ϕ_s203.17883°,δ81.87368°,λ0.19957°.
Principal axes: T 9.5692,Plg5.8769°,Azm67.8756°; N -0.9185,Plg81.8712°,Azm291.7673°
; P -8.6507,Plg5.5961°,Azm158.4535° $M_0$9.14464×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081538A. Moment Tensor Solution. s105,c171; s144,c285;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.02±.02 $M_{\theta\theta}$-0.92±.02; $M_{\phi\phi}$0.90±.02; $M_{r\theta}$-0.07±.05; $M_{\theta\phi}$-1.07±.02; $M_{\phi r}$0.18±.05; Best double couple: NP1: ϕ_s290.00000°,δ84.00000°,λ175.00000°. NP2:ϕ_s20.00000°,δ85.00000°,λ6.00000°.
Principal axes: T 1.4210,Plg8.0000°,Azm245.0000°; N -0.0050,Plg82.0000°,Azm61.0000°
; P -1.4170,Plg1.0000°,Azm155.0000° $M_0$1.41900×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$0.89 $M_{r\theta}$-0.12 $M_{\theta\phi}$-0.85 $M_{\phi r}$-0.01 NP1:ϕ_s22.47000°,δ84.74000°
,λ-2.92000°. NP2:ϕ_s112.74000°,δ87.10000°,λ-174.73000°. Principal axes:
T 1.2375,Plg2.0000°,Azm248.0000°; N -0.0627,Plg84.0000°,Azm142.0000°
; P -1.1748,Plg6.0000°,Azm338.0000° $M_0$1.21000×10^{17}

ISC	**XII**	**08 19 43 23.9–.85**	**44.17N–.10**	**129.5W–.10**	**13**	**3.9b**	**80**	**4-82**	
IDC	XII	08 19 43 21.4–1.4	44.07N	129.84W	0	3.8b,3.7			**¶621634745**
NEIC	XII	08 19 43 24.5–2.4	44.27N–.08	129.5W–.20	10–1	4.1b,3.6L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 19 48 48.7–.54**	**44.03N–.06**	**129.19W–.06**	**10**	**4.5b,4.0s**	**130**	**2-149**	
IDC	XII	08 19 48 47.4–.76	44.00N	129.49W	0	4.2b,4.1			**¶621622146**
NEIC	XII	08 19 48 48.9–1.5	43.98N–.02	129.1W–.10	10–1	4.5b,3.8L			
GCMT	XII	08 19 48 50.9–.30	43.98N–.02	129.33W–.02	12	4.8W,3.8L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081948A. Moment Tensor Solution. s13,c13; s94,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.24±.07 $M_{\theta\theta}$-1.00±.07; $M_{\phi\phi}$1.25±.05; $M_{r\theta}$0.09±.19; $M_{\theta\phi}$-1.37±.05; $M_{\phi r}$0.44±.17; Best double couple: NP1:ϕ_s290.00000°,δ76.00000°
,λ-179.00000°. NP2:ϕ_s199.00000°,δ89.00000°,λ-14.00000°. Principal axes:
T 1.9580,Plg9.0000°,Azm245.0000°; N -0.2530,Plg76.0000°,Azm16.0000°
; P -1.6980,Plg11.0000°,Azm154.0000° $M_0$1.82800×10^{16}

ISC	**XII**	**08 13 35 48.1–.95**	**44.41N–.09**	**130.0W–.10**	**15**	**3.6b**	**107**	**1-86**	
NEIC	XII	08 13 35 47.3–.84	44.48N–.08	129.8W–.10	10–1	3.8L,3.8b			**¶621634707**
IDC	XII	08 13 35 48.3–1.8	44.42N	130.03W	0	3.5b,3.5			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=9.4km az=232.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.3km s-min=18.0km az=46.0.

ISC	**XII**	**08 20 19 57.4–1.1**	**44.2N–.10**	**129.7W–.10**	**10**	**3.9b,3.5s**	**42**	**2-85**	
NEIC	XII	08 20 19 56.9–2.1	44.34N–.08	129.5W–.20	10–2	4.5b,3.6L			**¶621634748**
IDC	XII	08 20 19 57.4–2.0	44.19N	129.66W	0	3.6b,3.4L			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=8.9km az=243.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.6km s-min=18.2km az=45.0.

ISC	**XII**	**08 21 12 01.6–.98**	**44.14N–.10**	**129.2W–.10**	**10**	**3.9b**	**79**	**2-83**	
IDC	XII	08 21 11 58.8–1.7	43.85N	129.52W	0	3.5b,3.3L			**¶621622157**
NEIC	XII	08 21 12 02.0–1.5	44.2N–.10	129.08W–.08	10–1	4.1b,3.6L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 15 40 15.0–1.3**	**44.25N–.08**	**129.3W–.10**	**13**	**4.3b**	**41**	**3-59**	
NEIC	XII	08 15 40 14.9–2.4	44.29N–.08	129.19W–.07	10–2	4.4b,4.1L			**¶621634718**
IDC	XII	08 15 40 16.5–4.1	44.34N	129.51W	0	3.7b,3.7			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=5.1km az=327.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.8km s-min=25.4km az=47.0.

ISC	**XII**	**08 15 41 33.5–1.3**	**44.1N–.10**	**129.3W–.10**	**13**	**4.4b**	**60**	**2-59**	
IDC	XII	08 15 41 31.9–3.8	44.18N	129.67W	0	3.7b,3.7			**¶621634719**
NEIC	XII	08 15 41 32.1–1.8	44.03N–.10	129.2W–.20	10–2	4.4b,4.1L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 21 03 06.3–1.2**	**44.15N–.10**	**129.5W–.10**	**13**	**4.3b**	**72**	**2-79**	
NEIC	XII	08 21 03 05.1–1.1	44.1N–.10	129.5W–.20	10–2	4.3b,3.7L			**¶621622154**
IDC	XII	08 21 03 08.4–2.9	44.34N	129.57W	0	3.6b,3.5			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=11.6km az=226.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.2km s-min=17.2km az=48.0.

ISC	**XII**	**08 16 02 41.2–.88**	**44.26N–.08**	**129.45W–.10**	**13**	**4.1b,3.6s**	**133**	**2-82**	
NEIC	XII	08 16 02 40.9–2.1	44.38N–.07	129.4W–.10	10–2	4.2b,3.7L			**¶621622062**
IDC	XII	08 16 02 42.1–1.4	44.32N	129.38W	0	3.9b,3.8L			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=6.9km az=236.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=15.5km az=46.0.

ISC	**XII**	**08 13 57 42.8–.61**	**44.09N–.08**	**129.63W–.08**	**13**	**4.5b,3.8s**	**155**	**2-149**	
NEIC	XII	08 13 57 42.2–.84	44.10N–.07	129.6W–.10	10–1	4.5b,3.8L			**¶621622051**
IDC	XII	08 13 57 43.2–.88	44.31N	129.74W	0	4.1b,4.0			
GCMT	XII	08 13 57 46.8–.40	44.04N–.02	129.67W–.03	24–1	4.8W,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081357A. Moment Tensor Solution. s10,c10; s78,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12±.14 $M_{\theta\theta}$-0.95±.10; $M_{\phi\phi}$1.07±.09; $M_{r\theta}$-0.42±.23; $M_{\theta\phi}$-1.48±.08; $M_{\phi r}$0.22±.18; Best double couple: NP1:ϕ_s17.00000°,δ75.00000°
,λ1.00000°. NP2:ϕ_s287.00000°,δ89.00000°,λ165.00000°. Principal axes:
T 1.9260,Plg11.0000°,Azm241.0000°; N -0.1460,Plg75.0000°,Azm104.0000°
; P -1.7800,Plg10.0000°,Azm333.0000° $M_0$1.85300×10^{16}

ISC	**XII**	**08 21 19 34.9–.83**	**43.82N–.09**	**129.37W–.09**	**13**	**4.4b,3.8s**	**106**	**2-149**	
NEIC	XII	08 21 19 34.8–2.6	43.9N–.10	129.3W–.20	10–2	4.4b,3.7L			**¶621622156**
IDC	XII	08 21 19 39.7–1.1	44.13N	129.41W	0	4.0b,3.9			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=11.0km az=226.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.4km s-min=11.3km az=38.0.

ISC	**XII**	**09 00 22 03.2–1.6**	**44.2N–.10**	**129.7W–.10**	**13**		**43**	**2-58**	
NEIC	XII	09 00 22 03.0–.79	44.2N–.10	129.6W–.20	10–2	3.7b,3.6L			**¶621636541**
IDC	XII	09 00 22 04.4–2.7	44.32N	129.74W	0	3.3b,3.3			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=11.2km az=233.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.8km s-min=20.2km az=54.0.

ISC	**XII**	**08 14 04 57.0–.72**	**44.40N–.07**	**129.29W–.08**	**13**	**3.8b**	**102**	**1-86**	
NEIC	XII	08 14 04 56.5–1.7	44.41N–.02	129.3W–.10	10–1	3.9b,3.6L			**¶621634710**
IDC	XII	08 14 04 59.8–1.8	44.70N	129.19W	0	3.7b,3.6			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=3.6km az=266.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.8km s-min=17.9km az=42.0.

ISC	**XII**	**08 16 43 58.9–2.1**	**44.2N–.10**	**129.4W–.20**	**13**		**15**	**2-59**	
NEIC	XII	08 16 43 55.9–2.3	44.13N–.06	129.6W–.20	10–2	3.5L			**¶621634722**
IDC	XII	08 16 43 56.6–12	44.13N	129.67W	0	3.1L,3.0b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=5.8km az=246.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=248.8km s-min=34.4km az=67.0.

ISC	**XII**	**09 00 48 28.4–.78**	**44.38N–.08**	**129.54W–.10**	**13**	**4.2b,3.5s**	**174**	**1-86**	
IDC	XII	09 00 48 26.6–1.1	44.33N	129.80W	0	4.0b,4.0			**¶621622864**
NEIC	XII	09 00 48 27.4–1.1	44.34N–.08	129.6W–.20	10–1	4.2b,3.7L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 22 12 17.4–.57**	**44.20N–.08**	**129.45W–.08**	**13**	**4.6b**	**303**	**2-149**	
IDC	XII	08 22 12 15.4–.87	44.16N	129.58W	0	4.1b,4.1			**¶621622159**
NEIC	XII	08 22 12 16.4–1.9	44.32N–.08	129.5W–.10	10–1	4.7b,3.9L			
GFZ	XII	08 22 12 18.5–.37	44N–5.0	130W–5.0	10	4.6b,4.6			
NEIC	XII	08 22 12 18.1	44.12N	129.25W	10	4.6b,4.6			
GCMT	XII	08 22 12 19.1–.30	44.07N–.02	129.58W–.02	12	4.8W,4.6			
NEIC	XII	08 22 12 20.7	44.12N	129.53W	14	4.8,4.6			

ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=10.4km az=42.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=9.7km az=233.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=13.0km s-min=9.2km az=37.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112082212A. Moment Tensor Solution. s12,c12; s94,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.12±.09 $M_{\theta\theta}$-1.78±.10; $M_{\phi\phi}$1.65±.07; $M_{r\theta}$-0.41±.26; $M_{\theta\phi}$-1.19±.07; $M_{\phi r}$0.62±.21; Best double couple: NP1:ϕ_s29.00000°,δ73.00000°
,λ10.00000°. NP2:ϕ_s296.00000°,δ81.00000°,λ163.00000°. Principal axes:
T 2.2640,Plg19.0000°,Azm252.0000°; N -0.0970,Plg71.0000°,Azm89.0000°
; P -2.1720,Plg5.0000°,Azm344.0000° $M_0$2.21800×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$1.43 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.27 $M_{\phi r}$-0.29 NP1:ϕ_s111.23000°,δ82.38000°
,λ178.61000°. NP2:ϕ_s201.41000°,δ88.63000°,λ7.62000°. Principal axes:
T 2.0175,Plg6.0000°,Azm67.0000°; N -0.5213,Plg82.0000°,Azm212.0000°
; P -1.4961,Plg4.0000°,Azm336.0000° $M_0$1.81000×10^{16}

ISC	**XII**	**09 05 12 40.1–.67**	**44.18N–.07**	**129.48W–.08**	**13**	**4.5b,3.8s**	**125**	**2-149**	
IDC	XII	09 05 12 38.1–1.2	43.97N	129.92W	0	4.0b,4.0			**¶621622877**
NEIC	XII	09 05 12 40.1–1.0	44.23N–.06	129.4W–.10	10–1	4.6b,3.8L			
GFZ	XII	09 05 12 40.3–.47	44N–6.0	130W–5.0	10	6.1b,5.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

ISC	**XII**	**08 22 21 38.7–.57**	**44.06N–.07**	**129.24W–.07**	**10**	**4.6b,4.2s**	**264**	**2-149**	
IDC	XII	08 22 21 37.3–.88	44.15N	129.59W	0	4.2s,4.1b			**¶621622161**
GFZ	XII	08 22 21 38.8–.43	44N–5.0	130W–5.0	10	5.5b,5.5			
NEIC	XII	08 22 21 38.6–1.3	44.01N–.03	129.2W–.10	10–1	4.6b,4.3L			
BGR	XII	08 22 21 54.9	44.61N	129.36W	33	4.7b,4.7s			

ISC Event type ke.
IDC Error ellipse: s-maj=25.5km s-min=10.5km az=37.0.
GFZ Error ellipse: s-maj=13.7km s-min=8.2km az=47.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=2.8km az=253.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

ISC	**XII**	**08 22 22 08.8–.56**	**44.04N–.07**	**129.28W–.07**	**13**	**4.9b,4.3s**	**238**	**2-149**	
IDC	XII	08 22 22 06.5–.81	43.99N	129.68W	0	4.4s,4.3b			**¶621634754**
GCMT	XII	08 22 22 07.8–.30	44.01N–.02	129.32W–.02	19–1	5.0W,4.3b			
NEIC	XII	08 22 22 08.6–1.5	44.05N–.04	129.28W–.07	10–1	5.0b,5.0			

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112082222A. Moment Tensor Solution. s25,c26; s117,c190; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.51±.16 $M_{\theta\theta}$-2.99±.15; $M_{\phi\phi}$2.48±.11; $M_{r\theta}$0.56±.27; $M_{\theta\phi}$-2.85±.10; $M_{\phi r}$0.79±.24; Best double couple: NP1:ϕ_s292.00000°,δ77.00000°
,λ-180.00000°. NP2:ϕ_s202.00000°,δ90.00000°,λ-13.00000°. Principal axes:
T 3.7760,Plg9.0000°,Azm248.0000°; N 0.5710,Plg77.0000°,Azm20.0000°
; P -4.3450,Plg10.0000°,Azm156.0000° $M_0$4.06000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**09 01 48 36.5–.80**	**44.26N–.08**	**129.16W–.09**	**10**	**4.4b,3.8s**	**81**	**2-82**	
IDC	XII	09 01 48 35.4–1.1	44.30N	129.52W	0	4.0b,4.0s			**¶621622867**
GCMT	XII	09 01 48 35.8–.50	43.99N–.03	129.63W–.04	15–2	4.9W,4.0s			
NEIC	XII	09 01 48 36.6–.90	44.23N–.08	129.1W–.10	10–1	4.4b,3.7L			

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112090148A. Moment Tensor Solution. s9,c13; s55,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.38±.12 $M_{\theta\theta}$-1.73±.13; $M_{\phi\phi}$1.35±.09; $M_{r\theta}$-0.14±.35; $M_{\theta\phi}$-1.58±.09; $M_{\phi r}$0.98±.44; Best double couple: NP1:ϕ_s289.00000°,δ69.00000°
,λ166.00000°. NP2:ϕ_s25.00000°,δ77.00000°,λ22.00000°. Principal axes:
T 2.4580,Plg25.0000°,Azm248.0000°; N -0.0430,Plg65.0000°,Azm54.0000°
; P -2.4200,Plg5.0000°,Azm156.0000° $M_0$2.43900×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**09 05 36 07.4–.86**	**44.17N–.09**	**128.53W–.08**	**10**	**4.2b,3.6s**	**136**	**2-83**	
IDC	XII	09 05 36 03.8–1.2	44.11N	129.19W	0	3.8b,3.6			**¶621622880**
NEIC	XII	09 05 36 08.0–1.4	44.10N–.07	128.5W–.10	10–2	4.2b,3.5L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**09 07 33 17.1–1.5**	**44.07N–.08**	**129.6W–.10**	**13**	**3.2b**	**68**	**2-59**	
NEIC	XII	09 07 33 12.7–.84	44.0N–.10	129.8W–.20	10–2	3.7L			**¶621622887**
IDC	XII	09 07 33 18.9–2.5	44.34N	129.39W	0	3.3b,3.3			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=11.2km az=233.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.1km s-min=17.6km az=53.0.

ISC	**XII**	**09 02 15 54.1–.94**	**43.94N–.09**	**129.1W–.10**	**15**	**4.2b**	**69**	**4-83**	
IDC	XII	09 02 15 52.1–1.7	43.95N	129.29W	0	3.8b,3.8			**¶621636544**
NEIC	XII	09 02 15 53.9–2.2	44.05N–.04	129.1W–.10	10–2	4.3b,3.6L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**09 04 10 54.5–.55**	**44.18N–.07**	**129.48W–.08**	**10**	**4.8b,4.0s**	**313**	**2-149**	
IDC	XII	09 04 10 53.3–.86	44.12N	129.68W	0	4.1b,4.1			**¶621622875**
NEIC	XII	09 04 10 54.2–1.9	44.24N–.07	129.5W–.10	10–1	4.9b,4.8			
GFZ	XII	09 04 10 55.8–.46	44N–5.0	130W–5.0	10	6.2b,5.8			
GCMT	XII	09 04 10 57.7–.50	44.07N–.02	129.42W–.03	14–2	4.8W,5.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112090410A. Moment Tensor Solution. s9,c10; s78,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.40±.12 $M_{\theta\theta}$-1.82±.12; $M_{\phi\phi}$1.42±.08; $M_{r\theta}$0.17±.25; $M_{\theta\phi}$-1.68±.09; $M_{\phi r}$-0.12±.23; Best double couple: NP1:ϕ_s202.00000°,δ84.00000° ,λ3.00000°. NP2:ϕ_s112.00000°,δ87.00000°,λ174.00000°. Principal axes:
T 2.1510,Plg6.0000°,Azm67.0000°; N 0.3830,Plg84.0000°,Azm268.0000°
; P -2.5380,Plg2.0000°,Azm157.0000° $M_0$2.34500×10^{16}

ISC	**XII**	**09 07 55 15.1–1.7**	**44.2N–.10**	**129.6W–.10**	**13**		**49**	**2-59**	
NEIC	XII	09 07 55 12.8–1.9	44.22N–.04	129.7W–.20	10–2	3.6L			¶621636563
IDC	XII	09 07 55 14.4–4.2	43.98N	129.78W	0	3.1,3.0b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=21.3km s-min=3.0km az=254.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=105.0km s-min=24.1km az=54.0.								
ISC	**XII**	**09 07 56 13.5–.92**	**44.78N–.07**	**127.51W–.07**	**10**		**79**	**2-60**	
IDC	XII	09 07 55 56.5–3.0	44.24N	129.17W	0	3.7L,3.4s			¶621626212
NEIC	XII	09 07 56 15.0–.92	44.65N–.08	127.40W–.08	10–2	3.7b,3.3L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NEIC	**XII**	**09 08 27 53.3–.93**	**43.9N–.10**	**130.2W–.20**	**10–2**	**3.7L**			¶622512074
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**09 14 53 17.0–.42**	**44.07N–.06**	**129.45W–.06**	**13**	**4.6b,3.7s**	**132**	**4-149**	
IDC	XII	09 14 53 16.1–.92	44.29N	129.52W	0	4.2,4.1b			¶621625214
NEIC	XII	09 14 53 16.9–1.9	44.06N–.07	129.4W–.10	10–1	4.7b,3.9L			
GCMT	XII	09 14 53 18.3–.50	43.97N–.03	129.59W–.04	20–2	4.9W,3.9L			
NEIC	XII	09 14 53 19.1	44.12N	129.17W	10	4.9W,3.9L			
NEIC	XII	09 14 53 23.6	44.12N	129.45W	14	4.7,3.9L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=25.2km s-min=11.1km az=39.0.								
NEIC	Event type se. Error ellipse: s-maj=13.7km s-min=11.8km az=250.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112091453A. Moment Tensor Solution. s9,c11; s71,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.31±.21 $M_{\theta\theta}$-1.99±.17; $M_{\phi\phi}$1.68±.13; $M_{r\theta}$-0.22±.31; $M_{\theta\phi}$-1.51±.12; $M_{\phi r}$0.52±.27; Best double couple: NP1:ϕ_s26.00000°,δ79.00000° ,λ10.00000°. NP2:ϕ_s294.00000°,δ80.00000°,λ169.00000°. Principal axes:
T 2.3750,Plg15.0000°,Azm250.0000°; N 0.1530,Plg75.0000°,Azm73.0000°
; P -2.5320,Plg1.0000°,Azm340.0000° $M_0$2.45300×10^{16}								
NEIC	Event type se.								
NEIC	Event type se. Moment Tensor Solution.Duration: 1s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.20 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$1.04 $M_{r\theta}$-0.69 $M_{\theta\phi}$-1.14 $M_{\phi r}$0.23 NP1:ϕ_s19.00000°,δ63.36000° ,λ-4.90000°. NP2:ϕ_s111.20000°,δ85.62000°,λ-153.28000°. Principal axes:
T 1.7129,Plg15.0000°,Azm242.0000°; N -0.1256,Plg63.0000°,Azm120.0000°
; P -1.5873,Plg22.0000°,Azm338.0000° $M_0$1.65000×10^{16}								
ISC	**XII**	**09 10 34 46.0–1.8**	**44.1N–.10**	**129.9W–.20**	**10**		**40**	**4-58**	
NEIC	XII	09 10 34 45.8–1.3	44.0N–.10	130.0W–.20	10–2	3.8L			¶621626262
IDC	XII	09 10 34 48.6–2.6	44.59N	129.39W	0	3.0L,2.8			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=21.8km s-min=17.6km az=248.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=46.6km s-min=19.9km az=54.0.								
ISC	**XII**	**09 12 34 45.7–1.8**	**44.1N–.10**	**129.2W–.10**	**10**		**49**	**4-59**	
IDC	XII	09 12 34 45.9–2.6	44.40N	129.13W	0	3.2L,3.1b			¶621625203
NEIC	XII	09 12 34 47.1–1.2	44.27N–.09	129.13W–.03	10–2	3.6L,3.1b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**09 09 06 11.1–1.4**	**44.16N–.10**	**129.3W–.10**	**10**	**4.1b,3.4s**	**68**	**2-77**	
NEIC	XII	09 09 06 12.4–1.8	44.23N–.08	129.2W–.10	10–2	4.1b,3.6L			¶621624280
IDC	XII	09 09 06 12.6–2.7	44.41N	129.13W	0	3.7b,3.4			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=18.0km s-min=8.5km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=44.9km s-min=16.1km az=53.0.								
ISC	**XII**	**09 15 05 35.8–.57**	**44.12N–.06**	**129.15W–.06**	**15**	**4.6b,4.1s**	**158**	**4-149**	
NEIC	XII	09 15 05 34.7–1.9	44.09N–.07	129.2W–.10	10–1	4.6b,3.8L			¶621625217
GCMT	XII	09 15 05 35.8–.40	43.97N–.02	129.53W–.03	15–1	4.9W,3.8L			
IDC	XII	09 15 05 35.7–.90	44.50N	129.15W	0	4.1s,4.0b			
NEIC	XII	09 15 05 35	44.08N	129.16W	10	4.1s,4.0b			
NEIC	XII	09 15 05 42.7	44.18N	129.16W	14	4.8,4.0b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=15.7km s-min=9.8km az=238.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112091505A. Moment Tensor Solution. s10,c10; s89,c125; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.05±.13 $M_{\theta\theta}$-1.65±.12; $M_{\phi\phi}$1.71±.10; $M_{r\theta}$-1.07±.40; $M_{\theta\phi}$-2.09±.10; $M_{\phi r}$0.70±.33; Best double couple: NP1:ϕ_s21.00000°,δ66.00000° ,λ4.00000°. NP2:ϕ_s289.00000°,δ87.00000°,λ155.00000°. Principal axes:
T 3.1020,Plg20.0000°,Azm242.0000°; N -0.2730,Plg65.0000°,Azm101.0000°
; P -2.8230,Plg14.0000°,Azm337.0000° $M_0$2.96300×10^{16}								
IDC	Error ellipse: s-maj=25.8km s-min=11.4km az=39.0.								
NEIC	Event type se.								
NEIC	Event type se. Moment Tensor Solution.Duration: 1s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$1.37 $M_{r\theta}$-0.07 $M_{\theta\phi}$-1.29 $M_{\phi r}$-0.73 NP1:ϕ_s111.43000°,δ69.00000° ,λ178.25000°. NP2:ϕ_s202.06000°,δ88.37000°,λ21.01000°. Principal axes:
T 2.0996,Plg16.0000°,Azm69.0000°; N -0.3082,Plg69.0000°,Azm206.0000°
; P -1.7914,Plg13.0000°,Azm335.0000° $M_0$1.96000×10^{16}								
ISC	**XII**	**09 09 45 54.4–1.9**	**44.2N–.10**	**129.6W–.20**	**10**		**41**	**5-59**	
IDC	XII	09 09 45 49.8–4.4	43.86N	130.36W	0	3.1L,3.0			¶621636569
NEIC	XII	09 09 45 56.5–1.4	44.27N–.08	129.20W–.05	10–2	3.5L,3.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**09 11 15 05.6–4.2**	**43.7N–.20**	**130.3W–.40**	**10**		**6**	**6-58**	
IDC	XII	09 11 15 04.4–5.4	43.51N	130.54W	0	3.4,3.3L			¶621636573
ISC	Event type se.								
IDC	Error ellipse: s-maj=89.6km s-min=21.7km az=61.0.								
ISC	**XII**	**09 15 14 31.6–.74**	**43.93N–.07**	**129.34W–.07**	**13**	**4.2b**	**111**	**4-84**	
IDC	XII	09 15 14 30.0–1.4	43.87N	129.33W	0	4.1b,4.0			¶621625219
NEIC	XII	09 15 14 32.4–1.8	44.03N–.08	129.3W–.10	10–1	4.3b,3.7L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**09 11 28 31.9–1.4**	**44.0N–.10**	**129.5W–.10**	**13**	**3.7b**	**51**	**4-83**	
IDC	XII	09 11 28 27.8–1.9	43.80N	129.93W	0	3.5b,3.3L			¶621626258
NEIC	XII	09 11 28 32.3–1.5	44.1N–.10	129.3W–.20	10–1	3.6L,3.3L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**09 11 37 27.1–1.6**	**44.3N–.10**	**129.1W–.10**	**10**	**3.3b**	**50**	**4-59**	
NEIC	XII	09 11 37 27.3–1.3	44.28N–.09	129.2W–.10	10–2	3.6L			¶621624283
IDC	XII	09 11 37 28.1–2.4	44.62N	128.90W	0	3.4L,3.3b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=19.3km s-min=11.9km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=40.9km s-min=17.0km az=54.0.								
ISC	**XII**	**09 16 19 43.8–.91**	**44.00N–.08**	**129.5W–.10**	**13**	**4.1b**	**75**	**4-86**	
NEIC	XII	09 16 19 44.2–1.6	43.97N–.10	129.44W–.06	10–2	4.1b,3.6L			¶621625224
IDC	XII	09 16 19 45.5–3.2	44.10N	130.00W	0	3.3L,3.2b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=17.5km s-min=4.3km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=66.9km s-min=19.7km az=48.0.								
ISC	**XII**	**09 11 39 21.1–1.0**	**44.18N–.10**	**129.2W–.10**	**15**	**4.1b,3.5s**	**55**	**4-91**	
IDC	XII	09 11 39 19.5–1.8	44.19N	129.35W	0	3.6b,3.6			¶621625201
NEIC	XII	09 11 39 20.9–1.6	44.2N–.10	129.1W–.20	10–2	4.2b,3.5L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**09 12 05 52.4–1.6**	**44.2N–.10**	**129.2W–.10**	**15**	**3.4b,3.3s**	**51**	**4-59**	
NEIC	XII	09 12 05 51.4–1.2	44.1N–.10	129.3W–.20	10–2	3.9b,3.6L			¶621625202
IDC	XII	09 12 05 52.5–2.4	44.32N	129.14W	0	3.4,3.3L			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=21.4km s-min=18.4km az=233.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=40.1km s-min=14.1km az=54.0.								
ISC	**XII**	**09 13 31 05.3–1.8**	**44.03N–.10**	**129.4W–.20**	**13**		**55**	**4-59**	
NEIC	XII	09 13 31 01.1–1.9	43.88N–.10	129.7W–.20	10–2	3.6L			¶621625210
IDC	XII	09 13 31 04.9–2.6	44.24N	129.50W	0	3.3L,3.3			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=20.8km s-min=15.0km az=241.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=45.3km s-min=19.9km az=54.0.								
ISC	**XII**	**09 09 53 19.7–1.8**	**44.27N–.10**	**129.1W–.20**	**10**		**39**	**4-59**	
NEIC	XII	09 09 53 19.0–1.8	44.2N–.10	129.2W–.20	10–2	3.5L			¶621626261
IDC	XII	09 09 53 20.0–2.6	44.42N	129.31W	0	3.3,3.2L			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=23.6km s-min=16.2km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=44.6km s-min=19.1km az=53.0.								
ISC	**XII**	**10 04 36 56.4–1.3**	**44.1N–.10**	**130.0W–.10**	**10**	**3.8b**	**48**	**2-85**	
NEIC	XII	10 04 36 56.6–2.1	44.20N–.09	129.9W–.20	10–2	4.2b,3.9L			¶621626226
IDC	XII	10 04 37 01.0–1.6	44.31N	129.44W	0	3.5b,3.5			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=22.4km s-min=12.5km az=239.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=32.5km s-min=13.7km az=46.0.								
ISC	**XII**	**09 12 21 00.8–1.5**	**44.3N–.10**	**129.1W–.20**	**10**	**3.2b**	**53**	**4-83**	
IDC	XII	09 12 21 00.2–2.3	44.39N	129.04W	0	3.3b,3.3			¶621626264
NEIC	XII	09 12 21 02.9–1.9	44.35N–.08	128.87W–.04	10–2	3.5L,3.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**10 05 26 42.1–.00**	**44.02N–.09**	**129.70W–.10**	**13**	**4.3b,3.4s**	**108**	**2-100**	
NEIC	XII	10 05 26 41.0–1.4	43.98N–.07	129.7W–.20	10–2	4.3b,3.8L			¶621626230
IDC	XII	10 05 26 44.3–1.9	44.27N	129.60W	0	3.7b,3.7			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=21.7km s-min=4.6km az=238.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=36.6km s-min=15.1km az=45.0.								
ISC	**XII**	**09 21 08 55.2–.57**	**44.10N–.06**	**129.54W–.05**	**9–3**	**5.2b,4.4s**	**325**	**2-151**	
BJI	XII	09 21 08 53.3	44.16N	129.69W	9	5.3b,5.0s			¶621626198
NEIC	XII	09 21 08 55.3–1.8	44.14N–.07	129.6W–.10	10–1	5.2b,4.4L			
IDC	XII	09 21 08 55.1–.61	44.35N	129.44W	0	4.5,4.4b			
NEIC	XII	09 21 08 55.5	44.11N	129.53W	10	4.5,4.4b			
GFZ	XII	09 21 08 57.2	44.17N	129.47W	10	5.0W,4.4b			
GFZ	XII	09 21 08 57.8–.54	44N–5.0	129W–6.0	10	5.5,5.4b			
GCMT	XII	09 21 08 58.9–.10	44.06N–.01	129.52W–.01	17–0	5.2W,5.4b			
NEIC	XII	09 21 09 01.5	44.11N	129.53W	12	5.2,5.4b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=16.1km s-min=9.0km az=231.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=19.7km s-min=9.8km az=32.0.								
NEIC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15 $M_{\theta\theta}$-2.62 $M_{\phi\phi}$2.77 $M_{r\theta}$0.37 $M_{\theta\phi}$-2.45 $M_{\phi r}$-0.73 NP1: ϕ_s113.33253°,δ82.94690°,λ170.87996°. NP2:ϕ_s204.46178°,δ80.94955°,λ7.14248°. Principal axes: T 3.8787,Plg11.4233°,Azm68.7530°; N -0.3125,Plg78.4891°,Azm255.9207° ; P -3.5661,Plg1.3985°,Azm159.0357° $M_0$3.73222×10^{16}								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112092108A. Moment Tensor Solution. s81,c109; s134,c241;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.13 $M_{\theta\theta}$-4.95±.12; $M_{\phi\phi}$5.23±.11; $M_{r\theta}$-0.89±.31; $M_{\theta\phi}$-5.74±.11; $M_{\phi r}$0.86±.28; Best double couple: NP1:ϕ_s21.00000° ,δ82.00000°,λ3.00000°. NP2:ϕ_s291.00000°,δ87.00000°,λ172.00000°. Principal axes:
T 7.9720,Plg8.0000°,Azm246.0000°; N -0.4080,Plg81.0000°,Azm91.0000°
; P -7.5610,Plg4.0000°,Azm336.0000° $M_0$7.76600×10^{16}								
NEIC	Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.67 $M_{\theta\theta}$-3.16 $M_{\phi\phi}$3.82 $M_{r\theta}$-4.07 $M_{\theta\phi}$-4.55 $M_{\phi r}$0.55 NP1:ϕ_s16.12000°,δ55.23000° ,λ-7.50000°. NP2:ϕ_s110.41000°,δ83.84000°,λ-145.00000°. Principal axes:
T 6.8710,Plg19.0000°,Azm238.0000°; N 0.3975,Plg55.0000°,Azm119.0000°
; P -7.2685,Plg29.0000°,Azm339.0000° $M_0$7.08000×10^{16}								
ISC	**XII**	**10 16 55 44.8–.63**	**44.06N–.07**	**129.42W–.08**	**13**	**4.4b,3.6s**	**62**	**2-149**	
NEIC	XII	10 16 55 44.0–2.1	44.12N–.03	129.4W–.10	10–1	4.5b,3.8L			¶621627194
IDC	XII	10 16 55 47.1–1.3	44.38N	129.36W	0	4.0b,3.9			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=15.8km s-min=2.9km az=250.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=32.4km s-min=13.5km az=33.0.								
ISC	**XII**	**09 23 32 16.6–.53**	**44.11N–.06**	**129.52W–.05**	**11–2**	**5.2b,4.8s**	**643**	**2-149**	
BJI	XII	09 23 32 13.8	44.10N	129.50W	10	5.4b,5.3s			¶621626209
NEIC	XII	09 23 32 16.1–2.2	44.16N–.07	129.5W–.10	10–1	5.3b,4.3L			
MOS	XII	09 23 32 16.8–1.2	44.15N	129.39W	22	5.4b,4.7s			
NEIC	XII	09 23 32 16.8	44.13N	129.46W	10	5.4b,4.7s			
IDC	XII	09 23 32 16.0–.59	44.28N	129.61W	0	4.7b,4.7			
GFZ	XII	09 23 32 17.4–.20	44N–3.0	130W–3.0	10	5.6b,5.4			
GFZ	XII	09 23 32 17.4	44.17N	129.52W	10	5.2W,5.4			
GCMT	XII	09 23 32 20.1–.10	44.10N–.01	129.56W–.01	16–0	5.4W,5.4			
NEIC	XII	09 23 32 24.1	44.13N	129.46W	12	5.4,5.4			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=15.1km s-min=9.1km az=232.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
MOS	Error ellipse: s-maj=8.5km s-min=5.5km az=104.6.								
NEIC	Event type se.								
IDC	Error ellipse: s-maj=18.8km s-min=8.4km az=34.0.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.38 $M_{\theta\theta}$-5.80 $M_{\phi\phi}$6.18 $M_{r\theta}$1.24 $M_{\theta\phi}$-6.56 $M_{\phi r}$-1.24 NP1: ϕ_s110.91940°,δ86.38252°,λ170.06370°. NP2:ϕ_s201.55267°,δ80.08370°,λ3.67242°. Principal axes: T 9.3500,Plg9.5777°,Azm85.8578°; N -0.6091,Plg79.4319°,Azm271.1119° ; P -8.7409,Plg4.4251°,Azm156.6060° $M_0$9.06081×10^{16}								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112092332A. Moment Tensor Solution. s107,c178; s148,c298;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.02 $M_{\theta\theta}$-1.02±.02; $M_{\phi\phi}$1.11±.02; $M_{r\theta}$-0.12±.05; $M_{\theta\phi}$-1.32±.02; $M_{\phi r}$0.08±.05; Best double couple: NP1:ϕ_s19.00000° ,δ85.00000°,λ1.00000°. NP2:ϕ_s289.00000°,δ89.00000°,λ175.00000°. Principal axes:
T 1.7490,Plg4.0000°,Azm244.0000°; N -0.0890,Plg85.0000°,Azm100.0000°
; P -1.6550,Plg3.0000°,Azm335.0000° $M_0$1.70200×10^{17}								

NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$0.92 $M_{r\theta}$-0.29 $M_{\theta\phi}$-1.09 $M_{\phi r}$-0.05 NP1:ϕ_s17.75000°,δ77.92000° ,λ-7.94000°. NP2:ϕ_s109.42000°,δ82.24000°,λ-167.81000°. Principal axes: T 1.4606,Plg3.0000°,Azm243.0000°; N -0.1245,Plg76.0000°,Azm141.0000° ; P -1.3362,Plg14.0000°,Azm334.0000° $M_0$1.40000×10^{17}

ISC XII 09 23 46 55.8–1.5 44.22N–.10 129.2W–.10 15 3.5b 39 2-59
IDC XII 09 23 46 51.7–2.6 44.06N 129.78W 0 3.4L,3.4b ¶621626211
NEIC XII 09 23 46 54.8–1.4 44.18N–.07 129.19W–.05 10–2 3.8b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

PGC XII 11 03 59 21.2–.26 44.18N 129.25W 10 4.6W,4.0
¶626196458

PGC Event type ke. 492km west of Eugene, Oregon, Usa Off Coast Of Oregon.

ISC XII 11 00 25 03.5–1.5 44.32N–.08 128.9W–.10 10 3.8b,3.6s 36 4-82
NEIC XII 11 00 24 58.0–1.5 44.1N–.10 129.3W–.10 10–2 3.7L,3.6s ¶621644154
IDC XII 11 00 25 01.5–2.3 44.29N 129.55W 0 3.6b,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=17.1km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.5km s-min=23.8km az=51.0.

ISC XII 11 16 04 25.9–.84 44.38N–.08 129.01W–.09 10 3.7b 55 2-59
IDC XII 11 16 04 23.5–3.2 44.17N 129.89W 0 3.5L,3.4 ¶621644200
NEIC XII 11 16 04 26.8–2.0 44.35N–.07 129.0W–.10 10–2 4.1b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 12 10 13 37.8–1.5 44.25N–.09 129.8W–.10 15 3.5b 50 4-58
NEIC XII 12 10 13 36.9–1.2 44.2N–.10 129.86W–.03 10–2 3.7b,3.4L ¶621650496
IDC XII 12 10 13 38.4–3.1 44.58N 129.78W 0 3.3b,3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=4.5km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.8km s-min=20.5km az=52.0.

ISC XII 14 17 44 07.5–.89 44.12N–.08 129.19W–.08 15 4.0b,3.0s 85 2-87
NEIC XII 14 17 44 06.8–1.6 44.06N–.09 129.2W–.10 10–2 4.0b,3.8L ¶621629983
IDC XII 14 17 44 06.8–2.0 44.14N 129.58W 0 3.5,3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=10.4km az=228.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.6km s-min=15.0km az=51.0.

ISC XII 13 04 35 22.1–1.5 44.2N–.10 129.3W–.10 10 3.9b 42 2-59
IDC XII 13 04 35 22.6–3.8 44.29N 129.01W 0 3.3,3.2b ¶621650550
NEIC XII 13 04 35 22.1–1.6 44.2N–.10 129.3W–.10 10–2 4.0b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 12 17 52 14.1–.51 44.16N–.07 129.56W–.07 13 4.4b,3.8s 109 2-83
IDC XII 12 17 52 13.4–1.0 44.23N 129.53W 0 4.0b,3.9 ¶621627823
NEIC XII 12 17 52 14.2–2.4 44.23N–.03 129.5W–.10 10–1 4.5b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 14 21 56 35.9–.81 44.52N–.08 129.68W–.09 13 4.4b,3.6s 82 1-86
IDC XII 14 21 56 35.0–1.4 44.58N 129.75W 0 3.9b,3.7 ¶621630099
NEIC XII 14 21 56 35.7–1.9 44.64N–.07 129.6W–.10 10–2 4.4b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 27 06 54 36.1–.57 44.16N–.07 129.05W–.07 15 4.5b,4.0s 197 2-100
IDC XII 27 06 54 34.5–.91 44.28N 129.21W 0 4.0b,4.0 ¶621653748
NEIC XII 27 06 54 35.1–1.1 44.13N–.08 129.1W–.10 10–1 4.5b,4.0L
GCMT XII 27 06 54 36.4–.30 44.03N–.02 129.32W–.02 18–1 4.9W,4.0L
GFZ XII 27 06 54 37.3–.51 44N–5.0 129W–6.0 10 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112270654A. Moment Tensor Solution. s28,c29; s100,c147; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.11 $M_{\theta\theta}$-2.26±.10; $M_{\phi\phi}$2.12±.08; $M_{r\theta}$-0.30±.23; $M_{\theta\phi}$-1.73±.08; $M_{\phi r}$0.36±.19; Best double couple: NP1:ϕ_s26.00000°,δ81.00000° ,λ4.00000°. NP2:ϕ_s295.00000°,δ86.00000°,λ171.00000°. Principal axes: T 2.7940,Plg9.0000°,Azm251.0000°; N 0.0740,Plg80.0000°,Azm89.0000° ; P -2.8700,Plg3.0000°,Azm341.0000° $M_0$2.83200×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC XII 20 19 37 22.1–.82 43.74N–.09 128.50W–.08 10 4.3b,3.4s 93 2-80
IDC XII 20 19 37 21.3–1.1 43.79N 128.73W 0 3.8b,3.8 ¶621634986
NEIC XII 20 19 37 22.1–2.0 43.72N–.08 128.5W–.10 10–1 4.4b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(33) Western Idaho.

IDC VII 04 04 51 25.7–439 43.46N 115.25W 0
¶620927860

IDC Error ellipse: s-maj=170.7km s-min=103.3km az=167.0.

NEIC VII 09 12 15 05.8–1.2 44.35N–.02 116.13W–.03 5–5 3.5L,3.1L
BUT VII 09 12 15 07.4–1.5 44.37N–.02 116.10W–.02 5–5 3.5L,3.1L ¶622450503
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

NEIC VII 18 05 36 10.6–1.6 44.28N–.01 115.16W–.02 10–2 3.6L,3.2L
BUT VII 18 05 36 11.2–1.5 44.28N–.02 115.18W–.03 11–8 3.6L,3.2L ¶620833934
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

ISC IX 10 23 06 26.1–.80 44.31N–.03 115.20W–.03 11 75 1-18
IDC IX 10 23 06 24.1–1.2 44.28N 115.12W 0 3.2L,2.9 ¶621069022
BUT IX 10 23 06 26.7–1.6 44.32N–.02 115.20W–.01 10–8 3.2L,2.9
NEIC IX 10 23 06 26.0–1.9 44.35N–.03 115.19W–.02 10–2 3.8L,3.3L
ISC Event type se.
BUT Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC IX 22 03 36 50.7–1.5 44.28N–.03 115.10W–.03 14–10 3.6L,3.2L
BUT IX 22 03 36 51.9–2.1 44.27N–.03 115.01W–.03 6–5 3.6L,3.2L ¶621094777
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

ISC IX 20 04 41 49.4–.79 44.33N–.04 114.77W–.04 11 123 1-18
NEIC IX 20 04 41 47.8–1.2 44.35N–.03 114.80W–.05 15–7 4.2L,3.8 ¶621083218
IDC IX 20 04 41 48.3–.91 44.37N 114.86W 0 3.3L,3.3
NEIC IX 20 04 41 48.8 44.30N 114.79W 25 3.3L,3.3
BUT IX 20 04 41 49.2–1.3 44.35N–.03 114.76W–.05 12–8 3.3L,3.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.11 $M_{\theta\theta}$4.18 $M_{\phi\phi}$-4.07 $M_{r\theta}$-0.38 $M_{\theta\phi}$-4.41 $M_{\phi r}$0.74 NP1:ϕ_s338.48000°,δ89.52000°,λ7.81000°. NP2:ϕ_s248.42000°,δ82.19000° ,λ179.52000°. Principal axes: T 6.1563,Plg6.0000°,Azm204.0000°; N -0.1290,Plg82.0000° ,Azm342.0000°; P -6.0273,Plg5.0000°,Azm113.0000° $M_0$6.09000×10^{14}
NEIC Event type se.
BUT Event type se. hypocenter. manual.

NEIC IX 10 17 37 50.7–1.2 44.26N–.02 114.99W–.03 17–8 3.5L,3.1L
BUT IX 10 17 37 50.7–1.5 44.262N–.01 115.01W–.03 6–5 3.5L,3.1L ¶621059038
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

NEIC IX 10 22 30 42.0–1.8 44.27N–.02 115.07W–.01 10–2 3.7L,3.2L
BUT IX 10 22 30 42.5–1.8 44.27N–.02 115.07W–.01 9–8 3.7L,3.2L ¶621069020
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

ISC IX 19 04 18 16.1–.61 44.37N–.03 115.19W–.03 11 4.2b,3.5s 88 1-90
IDC IX 19 04 18 15.3–.70 44.27N 115.29W 0 3.8b,3.7 ¶621083059
NEIC IX 19 04 18 15.4 44.34N 115.12W 10 3.8b,3.7
NEIC IX 19 04 18 15.4–1.9 44.34N–.02 115.13W–.04 10–2 4.2L,4.0
BUT IX 19 04 18 15.7–1.9 44.31N–.01 115.19W–.04 8–8 4.2L,4.0
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.93 $M_{\theta\theta}$0.54 $M_{\phi\phi}$0.39 $M_{r\theta}$0.64 $M_{\theta\phi}$-0.54 $M_{\phi r}$-0.28 NP1:ϕ_s300.92000°,δ63.06000°,λ-100.12000°. NP2:ϕ_s142.41000°,δ28.64000° ,λ-70.93000°. Principal axes: T 1.2229,Plg17.0000°,Azm38.0000°; N -0.0522,Plg9.0000° ,Azm306.0000°; P -1.1707,Plg70.0000°,Azm189.0000° $M_0$1.20000×10^{15}
BUT Event type se. hypocenter. manual.

NEIC IX 19 04 38 00.1–1.7 44.30N–.02 115.18W–.04 10–2 2.8L,2.6L
BUT IX 19 04 38 00.6–2.0 44.30N–.01 115.20W–.03 8–8 2.8L,2.6L ¶621083061
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

NEIC IX 19 05 06 57.7–1.3 44.31N–.01 115.21W–.03 10–2 3.8L,3.5L
NEIC IX 19 05 06 58 44.31N 115.17W 11 3.6,3.5L ¶622452151
BUT IX 19 05 06 58.7–1.6 44.32N–.02 115.20W–.02 8–8 3.6,3.5L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$2.66000×10^{14}
BUT Event type se. hypocenter. manual.

NEIC IX 19 05 19 00.0–1.3 44.31N–.03 115.15W–.03 10–2 3.7L,3.4L
BUT IX 19 05 19 00.7–1.1 44.31N–.01 115.19W–.03 8–8 3.7L,3.4L ¶622452155
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

ISC IX 19 05 43 50.9–.79 44.30N–.03 115.12W–.03 11 70 1-17
NEIC IX 19 05 43 49.8–1.8 44.31N–.02 115.19W–.03 10–2 3.8L,3.4L ¶621113609
IDC IX 19 05 43 50.2–1.1 44.32N 115.48W 0 3.2L,3.0
BUT IX 19 05 43 50.4–1.8 44.31N–.02 115.19W–.01 8–8 3.2L,3.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

NEIC IX 28 01 55 55.9–1.8 44.31N–.03 115.30W–.05 10–2 3.5L,3.1L
BUT IX 28 01 56 01.7–4.5 44.25N–.04 114.98W–.06 17–8 3.5L,3.1L ¶621112111
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

NEIC XI 04 01 08 41.1–1.9 44.47N–.02 115.25W–.03 10–2 3.6L,3.3L
BUT XI 04 01 08 42.3–2.6 44.47N–.02 115.22W–.02 9–8 3.6L,3.3L ¶621261736
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

NEIC X 09 07 20 14.5–.93 44.33N–.03 115.09W–.02 10–2 2.8L,2.7L
BUT X 09 07 20 15.0–1.4 44.30N–.02 115.08W–.02 5–5 2.8L,2.7L ¶622499534
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

ISC X 02 23 47 43.2–.48 44.25N–.04 114.98W–.03 10 4.0b,3.7s 243 1-93
IDC X 02 23 47 42.6–.56 44.28N 115.16W 0 3.9b,3.8L ¶621117062
NEIC X 02 23 47 42.7 44.27N 115.03W 12 3.9b,3.8L
NEIC X 02 23 47 42.1–1.1 44.29N–.04 115.05W–.03 7–6 4.5L,4.1b
BUT X 02 23 47 42.8–1.4 44.28N–.04 115.01W–.03 5–5 4.5L,4.1b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.60 $M_{\theta\theta}$0.58 $M_{\phi\phi}$0.02 $M_{r\theta}$0.21 $M_{\theta\phi}$-0.94 $M_{\phi r}$-0.76 NP1:ϕ_s339.77000°,δ72.65000°,λ-49.30000°. NP2:ϕ_s88.89000°,δ43.65000° ,λ-154.40000°. Principal axes: T 1.4781,Plg18.0000°,Azm41.0000°; N -0.2720,Plg38.0000° ,Azm145.0000°; P -1.2061,Plg46.0000°,Azm292.0000° $M_0$1.36000×10^{15}
BUT Event type se. hypocenter. manual.

NEIC X 04 02 56 21.2–1.8 44.31N–.04 115.07W–.02 7–6 2.9L,2.6L
BUT X 04 02 56 22–2.3 44.27N–.04 115.00W–.03 6–5 2.9L,2.6L ¶621117522
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

NEIC XI 08 00 34 28.9–1.2 44.50N–.02 115.17W–.02 10–2 3.6L,3.1L
BUT XI 08 00 34 29.5–1.9 44.47N–.02 115.20W–.03 8–5 3.6L,3.1L ¶621372497
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

NEIC XI 12 02 16 36.2–1.3 44.32N–.02 115.19W–.01 10–2 3.6L,3.2L
BUT XI 12 02 16 37.3–1.6 44.32N–.02 115.19W–.03 9–8 3.6L,3.2L ¶621399234
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

ISC XI 23 12 32 55.2–.61 44.12N–.03 115.11W–.03 10 133 1-134
NEIC XI 23 12 32 51 44.17N 115.17W 12 4.0 ¶621449545
IDC XI 23 12 32 53.8–.73 44.06N 115.43W 0 3.5,3.3L
NEIC XI 23 12 32 54.1–1.4 44.13N–.02 115.11W–.03 10–2 4.4L,4.0L
BUT XI 23 12 32 55.3–1.4 44.12N–.03 115.10W–.03 12–8 4.4L,4.0L
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$1.45000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

ISC XI 12 07 40 40.2–1.3 44.32N–.03 115.19W–.03 4–11 127 1-27
NEIC XI 12 07 40 39.4–1.7 44.32N–.01 115.20W–.03 5–5 4.3L,4.0 ¶621399250
NEIC XI 12 07 40 39.6 44.36N 115.19W 6 4.3L,4.0
IDC XI 12 07 40 39.8–.88 44.30N 115.30W 0 3.7b,3.5
BUT XI 12 07 40 40.7–1.6 44.31N–.02 115.19W–.02 9–8 3.7b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.88 $M_{\theta\theta}$0.68 $M_{\phi\phi}$0.20 $M_{r\theta}$0.57 $M_{\theta\phi}$-0.38 $M_{\phi r}$-0.38 NP1:ϕ_s301.55000°,δ63.92000°,λ-87.46000°. NP2:ϕ_s115.80000°,δ26.19000° ,λ-95.17000°. Principal axes: T 1.1229,Plg19.0000°,Azm30.0000°; N -0.0059,Plg2.0000° ,Azm120.0000°; P -1.1170,Plg71.0000°,Azm217.0000° $M_0$1.12000×10^{15}
NEIC Event type se.
BUT Event type se. hypocenter. manual.

NEIC XI 12 07 46 36.6–1.1 44.32N–.01 115.20W–.02 10–2 3.8L,3.4L
BUT XI 12 07 46 37.5–1.4 44.31N–.02 115.19W–.02 9–8 3.8L,3.4L ¶621399252
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

ISC XII 14 16 49 06.9–.86 44.25N–.04 115.17W–.03 10 32 1-18
IDC XII 14 16 49 06.8–2.3 44.29N 114.96W 0 2.7,2.5L ¶621629984
NEIC XII 14 16 49 09.0–1.5 44.26N–.06 115.12W–.05 24–10 3.6L,3.2L
BUT XII 14 16 49 10–1.1 44.30N–.03 115.11W–.03 20–8 3.6L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

(34) Off coast of northern California.

ISC VII 11 12 59 34.7–2.0 40.41N–.04 125.60W–.07 6–12 3.2b,3.1s 179 1-40
NEIC VII 11 12 59 33.9–1.6 40.43N–.03 125.63W–.05 8–7 3.9,3.3L ¶620928426
NCEDC VII 11 12 59 36.0–1.7 40.38N–.03 125.51W–.05 5–2 3.9,3.3L

IDC VII 11 12 59 41.6–2.4 40.65N 124.71W 0 3.5L,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.8km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=5.9km s-min=5.5km az=250.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.0km s-min=17.6km az=70.0.
ISC VII 15 14 38 39.8–1.1 41.93N–.06 126.44W–.10 10 3.7b 35 2-85
NEIC VII 15 14 38 38.1–1.0 41.84N–.06 126.3W–.20 12–10 2.7L **¶620928647**
IDC VII 15 14 38 38.8–1.8 42.08N 126.63W 0 3.6b,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=2.8km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.4km s-min=16.3km az=29.0.
NEIC VIII 05 15 21 37.3–1.6 40.37N–.05 125.58W–.06 10–2 3.9,3.0L
NCEDC VIII 05 15 21 43.6–2.9 40.41N–.03 125.17W–.06 8–7 3.9,3.0L **¶620970292**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC XI 27 11 00 04.1–1.9 41.09N–.03 125.37W–.08 13–11 121 1-21
NEIC XI 27 11 00 03.8–.77 41.11N–.02 125.29W–.06 8–7 3.2L,3.0L **¶621480378**
NCEDC XI 27 11 00 06.9–.83 41.10N–.04 125.30W–.04 25–2 3.2L,3.0L
IDC XI 27 11 00 11.3–7.7 40.98N 124.54W 0 3.5L,3.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=2.8km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=208.0. hypocenter. manual.
IDC Error ellipse: s-maj=89.9km s-min=21.4km az=116.0.
ISC X 28 15 39 56.1–3.3 41.08N–.07 125.9W–.20 10 3.2s 26 1-61
IDC X 28 15 39 52.4–2.7 42.17N 126.34W 0 3.3b,3.2L **¶621243300**
NEIC X 28 15 39 54.8–1.5 41.05N–.07 126.00W–.03 10–2 2.7L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC XI 30 07 32 21.8–1.3 41.88N–.02 125.79W–.10 10–2 2.9L,2.6L
NCEDC XI 30 07 32 22.4–1.2 41.87N–.04 125.91W–.10 10–2 2.9L,2.6L **¶621564921**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC XI 27 07 35 25.5–1.8 41.10N–.03 125.36W–.06 2–12 3.4b 179 1-72
NEIC XI 27 07 35 25.3–.63 41.11N–.03 125.38W–.05 9–8 4.1,3.4L **¶621480047**
IDC XI 27 07 35 26.9–2.1 41.10N 125.25W 0 3.7L,3.5
NCEDC XI 27 07 35 29.6–.82 41.10N–.03 125.26W–.06 24–2 3.7L,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC XII 08 03 04 38.7–2.7 40.38N–.05 125.58W–.07 11–17 3.1b 139 1-27
NEIC XII 08 03 04 34.3–1.1 40.37N–.03 125.78W–.06 10–2 4.0,3.9b **¶621620197**
IDC XII 08 03 04 37.7–2.6 40.48N 125.80W 0 3.4s,3.3L
NCEDC XII 08 03 04 40.4–1.3 40.39N–.05 125.61W–.02 27–1 3.4s,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC XII 29 15 23 50.8–.80 40.35N–.05 125.54W–.04 24–10 3.6,3.1L
NCEDC XII 29 15 23 55.2–1.1 40.33N–.05 125.39W–.06 23–2 3.6,3.1L **¶621657123**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.

(35) Near coast of northern California.

ISC VII 18 06 46 12.7–.43 40.32N–.02 124.38W–.04 31–2 4.5b,4.2s 438 0-130
IDC VII 18 06 46 09.3–.84 40.43N 124.40W 0 4.1s,4.0b **¶620833283**
GFZ VII 18 06 46 10.8–.26 41N–3.0 124W–3.0 10 4.5b,4.5
GFZ VII 18 06 46 10.8 40.53N 124.48W 10 4.9W,4.5
NEIC VII 18 06 46 11.9 40.31N 124.45W 35 4.9W,4.5
NEIC VII 18 06 46 11.9–.70 40.31N–.02 124.45W–.06 35–2 5.1,5.1
NEIC VII 18 06 46 12 40.31N 124.45W 35 5.1,5.1
NCEDC VII 18 06 46 12.7–.95 40.32N–.02 124.43W–.05 31–7 5.1,5.1
GCMT VII 18 06 46 15.6–.20 40.32N–.01 124.39W–.01 34–1 5.2W,5.1
NEIC VII 18 06 46 20.9 40.31N 124.19W 36 5.1,5.1
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=12.1km az=40.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.45 $M_{\theta\theta}$-2.35 $M_{\phi\phi}$2.80 $M_{r\theta}$0.01 $M_{\theta\phi}$-0.99 $M_{\phi r}$0.59 NP1: ϕ_s304.05864°,δ81.07608°,λ175.71777°. NP2:ϕ_s34.72413°,δ85.76970°,λ8.94849°. Principal axes: T 3.0770,Plg9.3142°,Azm259.6653°; N -0.5340,Plg80.1093°,Azm59.8255° ; P -2.5430,Plg3.2979°,Azm169.1238° $M_0$2.84784×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.1km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.30 $M_{\theta\theta}$-5.91 $M_{\phi\phi}$4.60 $M_{r\theta}$1.29 $M_{\theta\phi}$-1.24 $M_{\phi r}$2.65 NP1:ϕ_s41.60000°,δ79.45000°,λ29.85000°. NP2:ϕ_s305.60000°,δ60.70000° ,λ167.88000°. Principal axes: T 6.0913,Plg28.0000°,Azm267.0000°; N 0.3122,Plg59.0000° ,Azm59.0000°; P -6.4035,Plg13.0000°,Azm171.0000° $M_0$6.25000×10^{16}
NEIC Event type se.
NCEDC Event type se. Error ellipse: s-maj=5.8km s-min=2.9km az=70.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107180646A. Moment Tensor Solution. s76,c112; s131,c209;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.82±.14 $M_{\theta\theta}$-6.48±.11; $M_{\phi\phi}$5.66±.12; $M_{r\theta}$-1.33±.19; $M_{\theta\phi}$-2.11±.10; $M_{\phi r}$1.60±.16; Best double couple: NP1:ϕ_s36.00000° ,δ72.00000°,λ7.00000°. NP2:ϕ_s304.00000°,δ83.00000°,λ162.00000°. Principal axes: T 6.5860,Plg18.0000°,Azm259.0000°; N 0.3960,Plg71.0000°,Azm105.0000° ; P -6.9810,Plg8.0000°,Azm352.0000° $M_0$6.78300×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.51 $M_{\theta\theta}$-5.88 $M_{\phi\phi}$6.39 $M_{r\theta}$-0.78 $M_{\theta\phi}$-1.69 $M_{\phi r}$0.59 NP1:ϕ_s37.25000°,δ81.17000° ,λ-1.05000°. NP2:ϕ_s127.41000°,δ88.97000°,λ-171.17000°. Principal axes: T 6.6861,Plg5.0000°,Azm262.0000°; N -0.4901,Plg81.0000°,Azm134.0000° ; P -6.1960,Plg7.0000°,Azm353.0000° $M_0$6.46000×10^{16}
ISC VII 21 10 05 30.2–.85 40.28N–.03 124.38W–.04 33–2 3.5b,3.2s 190 0-61
NEIC VII 21 10 05 29.6–1.1 40.289N–.01 124.46W–.08 33–10 4.4,3.8L **¶620840363**
NCEDC VII 21 10 05 30.1–1.3 40.28N–.03 124.41W–.06 35–3 4.4,3.8L
IDC VII 21 10 05 33.9–2.7 40.43N 124.06W 47–30 3.6,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=0.5km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=7.4km s-min=3.0km az=71.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.8km s-min=14.0km az=83.0.
ISC VIII 31 08 01 10.7–1.1 40.32N–.03 124.46W–.06 25 108 0-62
IDC VIII 31 08 01 11.0–2.6 40.56N 124.14W 0 3.3L,3.1 **¶621011426**
NEIC VIII 31 08 01 11.3–1.1 40.32N–.02 124.4W–.10 34–9 4.0,3.9
NCEDC VIII 31 08 01 11.2–1.2 40.28N–.04 124.40W–.08 32–6 4.0,3.9
NEIC VIII 31 08 01 11.2 40.32N 124.38W 33 4.0,3.9
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=16.2km az=81.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=3.1km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.14 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$0.84 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.16 $M_{\phi r}$0.49 NP1:ϕ_s43.33000°,δ72.83000°,λ21.08000°. NP2:ϕ_s306.84000°,δ69.90000° ,λ161.68000°. Principal axes: T 1.1028,Plg27.0000°,Azm266.0000°; N -0.1020,Plg63.0000° ,Azm81.0000°; P -1.0008,Plg2.0000°,Azm175.0000° $M_0$1.06000×10^{15}
NCEDC Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=78.0. hypocenter. manual.
NEIC Event type se.
NEIC VIII 31 08 01 25.1–1.4 40.27N–.04 124.3W–.10 27–11 3.6L,3.6L
NCEDC VIII 31 08 01 24.5–.95 40.27N–.07 124.39W–.09 28–5 3.6L,3.6L **¶626349594**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC XI 04 00 24 34.3–.73 39.89N–.01 123.41W–.02 10–4 5.3b,3.4s 223 0-93
NEIC XI 04 00 24 34.0–2.3 39.89N–.01 123.41W–.02 10–1 4.1,4.1 **¶621261734**
NCEDC XI 04 00 24 34.1–2.1 39.894N–.01 123.42W–.02 7–2 4.1,4.1
NEIC XI 04 00 24 34.1 39.88N 123.40W 15 4.1,4.1
IDC XI 04 00 24 35.7–2.2 39.96N 123.33W 0 3.7b,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.2km az=244.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.04 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$1.18 $M_{r\theta}$-0.52 $M_{\theta\phi}$-0.78 $M_{\phi r}$0.40 NP1:ϕ_s28.70000°,δ65.19000°,λ1.95000°. NP2:ϕ_s297.88000°,δ88.23000° ,λ155.18000°. Principal axes: T 1.5961,Plg19.0000°,Azm250.0000°; N -0.1106,Plg65.0000° ,Azm114.0000°; P -1.4855,Plg16.0000°,Azm346.0000° $M_0$1.54000×10^{15}
NCEDC Event type se. Error ellipse: s-maj=1.7km s-min=1.4km az=76.0. hypocenter. manual.
NEIC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=14.4km az=38.0.
NEIC IX 05 05 27 45.6–1.0 39.133N–.01 123.13W–.01 10–2 3.7,3.2L
NCEDC IX 05 05 27 45.6–.99 39.14N–.01 123.12W–.02 10–6 3.7,3.2L **¶621039284**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC IX 09 21 57 55.7–.85 40.29N–.03 124.46W–.04 33–2 4.2b,3.6s 213 0-94
NEIC IX 09 21 57 54.5–1.3 40.26N–.04 124.48W–.10 38–9 4.3b,3.7L **¶621059030**
NCEDC IX 09 21 57 56.5–2.4 40.27N–.03 124.38W–.08 33–7 4.3b,3.7L
NEIC IX 09 21 57 56.5 40.27N 124.38W 33 4.3b,3.7L
NEIC IX 09 21 57 56.5 40.27N 124.38W 33 4.5,3.7L
IDC IX 09 21 58 00.4–3.8 40.17N 124.08W 0 3.8b,3.6s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.1km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=9.6km s-min=4.6km az=78.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$6.30000×10^{15}
IDC Error ellipse: s-maj=60.4km s-min=21.9km az=43.0.
ISC IX 26 08 51 29.0–.94 40.21N–.02 124.25W–.04 19–2 116 0-62
IDC IX 26 08 51 28.4–3.5 40.39N 124.15W 0 3.2L,2.8 **¶621110210**
NEIC IX 26 08 51 28.9–1.7 40.16N–.02 124.27W–.03 10–2 3.6,3.1L
NCEDC IX 26 08 51 30.2–2.8 40.25N–.02 124.16W–.02 12–3 3.6,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC X 12 11 28 59.7–1.5 40.24N–.03 124.82W–.05 20–11 3.8,3.2L
NCEDC X 12 11 29 05.6–1.5 40.29N–.04 124.49W–.06 21–7 3.8,3.2L **¶621146231**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC XI 03 00 24 51.0–.61 40.35N–.03 124.26W–.04 32–4 4.1b,3.3s 269 0-91
NEIC XI 03 00 24 50.7–2.7 40.35N–.02 124.28W–.04 27–5 4.4,4.3 **¶621255781**
NEIC XI 03 00 24 50.9 40.36N 124.26W 31 4.4,4.3
NCEDC XI 03 00 24 51.3–2.2 40.36N–.03 124.26W–.02 30–5 4.4,4.3
IDC XI 03 00 24 54.3–1.3 40.45N 123.58W 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.16 $M_{\theta\theta}$-2.87 $M_{\phi\phi}$2.71 $M_{r\theta}$0.54 $M_{\theta\phi}$1.03 $M_{\phi r}$0.68 NP1:ϕ_s55.82000°,δ84.92000°,λ15.86000°. NP2:ϕ_s324.38000°,δ74.21000° ,λ174.72000°. Principal axes: T 3.0947,Plg15.0000°,Azm281.0000°; N 0.0143,Plg73.0000° ,Azm73.0000°; P -3.1090,Plg7.0000°,Azm189.0000° $M_0$3.10000×10^{15}
NEIC Event type se.
NCEDC Event type se. Error ellipse: s-maj=4.2km s-min=2.4km az=164.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=13.2km az=58.0.
NEIC IX 03 05 44 18.5–1.2 39.04N–.03 123.16W–.03 10–2 3.8,3.3L
NCEDC IX 03 05 44 20.5–3.0 39.15N–.02 123.12W–.03 9–8 3.8,3.3L **¶621024240**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC XII 20 20 10 21.7–.39 40.36N–.03 124.51W–.03 20–1 5.7s,5.4b 1626 0-153
BJI XII 20 20 10 18.8 40.35N 124.65W 10 5.9s,5.8b **¶621634987**
IDC XII 20 20 10 18.5–.41 40.45N 124.57W 0 5.6s,4.8b
IPGP XII 20 20 10 18.0 40.32N 124.74W 27 6.1W,4.8b
MOS XII 20 20 10 19.3–1.1 40.36N 124.48W 18 5.7s,5.7b
BGR XII 20 20 10 19.9 41.38N 129.09W 36–12 5.9s,5.4b
NEIC XII 20 20 10 20.1–2.1 40.30N–.04 124.59W–.05 20–1 5.7L,5.3b
NCEDC XII 20 20 10 20.3–2.2 40.30N–.05 124.63W–.05 17–4 5.7L,5.3b
PTWC XII 20 20 10 20 40.30N 124.60W 6.4,5.3b
GFZ XII 20 20 10 23.7–.30 41N–3.0 124W–3.0 23–1 6.0L,6.0b
GFZ XII 20 20 10 23.6 40.56N 124.34W 28 6.2W,6.0b
GCMT XII 20 20 10 30.9–.10 40.36N 124.41W 29–0 6.2W,6.0b
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=7.4km az=32.0.
IPGP Moment Tensor Solution. NP1:ϕ_s207.00000°,δ81.00000°,λ15.00000°. NP2:ϕ_s115.00000° ,δ75.00000°,λ171.00000°.
MOS Error ellipse: s-maj=4.9km s-min=3.7km az=98.8.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=201.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.3km s-min=4.4km az=44.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.36 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$1.91 $M_{r\theta}$0.35 $M_{\theta\phi}$-1.35 $M_{\phi r}$-0.22 NP1: ϕ_s296.27272°,δ88.53159°,λ-169.02083°. NP2:ϕ_s205.98788°,δ79.02448°,λ-1.49577°. Principal axes: T 2.4190,Plg6.6905°,Azm70.6135°; N -0.3595,Plg78.9243°,Azm303.7973° ; P -2.0595,Plg8.7861°,Azm161.6523° $M_0$2.26082×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112202010A. Moment Tensor Solution. s151,c318; s164,c605;Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.18±.01 $M_{\theta\theta}$-2.07±.01; $M_{\phi\phi}$1.89±.01; $M_{r\theta}$0.03±.03; $M_{\theta\phi}$-1.51±.01; $M_{\phi r}$-0.75±.03; Best double couple: NP1:ϕ_s115.00000°,δ75.00000°,λ171.00000°. NP2:ϕ_s207.00000°,δ82.00000°,λ15.00000°. Principal axes: T 2.6130,Plg17.0000°,Azm72.0000°; N -0.0130,Plg73.0000°,Azm236.0000° ; P -2.5970,Plg5.0000°,Azm341.0000° $M_0$2.60500×10^{18}
ISC XII 20 14 25 05.5–1.2 40.26N–.03 124.60W–.06 29–6 145 0-62
NEIC XII 20 14 25 04.0–1.1 40.20N–.08 124.7W–.10 21–6 3.9b,3.3L **¶621634788**
NCEDC XII 20 14 25 06.2–.87 40.29N–.02 124.54W–.05 20–4 3.9b,3.3L
NEIC XII 20 14 25 06.4 40.29N 124.52W 19 3.9b,3.3L
NEIC XII 20 14 25 06.4 40.29N 124.52W 33 4.0,3.3L
IDC XII 20 14 25 08.6–2.2 40.42N 124.02W 0 3.8L,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=5.0km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=6.3km s-min=2.2km az=70.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$1.17000×10^{15}
IDC Error ellipse: s-maj=22.1km s-min=14.9km az=79.0.
ISC XII 20 20 10 29.4–.84 40.36N–.03 124.32W–.04 17–4 5.7s,5.7b 291 0-158
NEIC XII 20 20 10 17.8 40.26N 124.74W 20 5.7s,5.7b **¶635884077**
NEIC XII 20 20 10 17.4 40.28N 124.80W 10 5.7s,5.7b
NEIC XII 20 20 10 18 40.31N 124.75W 37 5.7s,5.7b
NEIC XII 20 20 10 30.4–1.3 40.37N–.04 124.32W–.06 17–3 6.1,6.1

NEIC XII 20 20 10 31.6 40.21N 124.75W 26 6.2,6.1
NCEDC XII 20 20 10 31.3–1.6 40.39N–.04 124.30W–.08 27–4 6.2,6.1
NEIC XII 20 20 10 41.4 40.27N 124.52W 40 6.2,6.1
ISC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$1.05 $M_{r\theta}$0.11 $M_{\theta\phi}$-1.03 $M_{\phi r}$-0.34 NP1:ϕ_s204.17000°,δ80.89000°,λ10.36000°. NP2:ϕ_s112.51000°,δ79.77000°,λ170.74000°. Principal axes: T 1.5467,Plg14.0000°,Azm68.0000°; N -0.0058,Plg76.0000°,Azm245.0000°; P -1.5410,Plg1.0000°,Azm338.0000° $M_0$1.54000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.31 $M_{\theta\theta}$-1.79 $M_{\phi\phi}$2.10 $M_{r\theta}$-0.50 $M_{\theta\phi}$-1.77 $M_{\phi r}$0.28 NP1:ϕ_s23.86000°,δ77.55000°,λ-0.99000°. NP2:ϕ_s114.07000°,δ89.03000°,λ-167.55000°. Principal axes: T 2.8537,Plg8.0000°,Azm248.0000°; N -0.3163,Plg78.0000°,Azm118.0000°; P -2.5375,Plg9.0000°,Azm340.0000° $M_0$2.71000×10^{18}
NCEDC Event type se. Error ellipse: s-maj=9.0km s-min=5.9km az=85.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 7s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.20 $M_{\theta\theta}$-1.86 $M_{\phi\phi}$2.06 $M_{r\theta}$-0.19 $M_{\theta\phi}$-1.61 $M_{\phi r}$-0.03 NP1:ϕ_s25.22000°,δ86.16000°,λ-2.82000°. NP2:ϕ_s115.41000°,δ87.19000°,λ-176.15000°. Principal axes: T 2.6355,Plg1.0000°,Azm250.0000°; N -0.1839,Plg85.0000°,Azm151.0000°; P -2.4516,Plg5.0000°,Azm340.0000° $M_0$2.54000×10^{18}
ISC XII 20 20 13 41.0–1.6 40.35N–.03 124.83W–.05 13–9 4.6b 194 0-136
IDC XII 20 20 13 40.1–.83 40.48N 124.76W 0 5.1L,4.5b **¶621685643**
NCEDC XII 20 20 13 40.8–3.2 40.35N–.05 124.90W–.07 20–4 5.1L,4.5b
NEIC XII 20 20 13 40.0–2.5 40.23N–.03 124.86W–.06 14–5 4.9b,4.8L
ISC Event type se.
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC XII 20 20 29 22.4–.74 40.41N–.06 124.31W–.07 27–11 2.8,2.7L
NCEDC XII 20 20 29 22.3–.81 40.43N–.06 124.32W–.08 26–7 2.8,2.7L **¶621634992**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC XII 20 20 20 30.2–1.3 40.39N–.03 124.27W–.02 19–3 2.8,2.7L
NCEDC XII 20 20 20 29.1–1.4 40.4N–.10 124.3W–.10 26–6 2.8,2.7L **¶622512270**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC XII 20 20 23 58.1–.42 40.27N–.08 124.41W–.10 28–11 2.7,2.4L
NCEDC XII 20 20 23 59.0–.90 40.27N–.07 124.36W–.09 21–8 2.7,2.4L **¶635884078**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC XII 20 20 37 08.8–.51 40.28N–.08 124.5W–.10 26–11 2.5L,2.5
NCEDC XII 20 20 37 09.6–.83 40.30N–.05 124.5W–.10 20–8 2.5L,2.5 **¶635884080**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC XII 20 20 24 11.3–.69 40.49N–.04 124.22W–.07 27–8 2.7,2.4L
NCEDC XII 20 20 24 11.0–.68 40.49N–.04 124.3W–.10 26–8 2.7,2.4L **¶621634990**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC XII 21 23 08 15.3–2.7 40.28N–.02 124.795W–.01 10–2 2.8,2.6L
NCEDC XII 21 23 08 18.7–3.2 40.29N–.01 124.58W–.05 20–4 2.8,2.6L **¶621700024**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC XII 20 21 16 53.6–.79 40.37N–.04 124.3W–.10 31–11 2.5,2.3L
NCEDC XII 20 21 16 54.5–.53 40.39N–.04 124.27W–.09 24–8 2.5,2.3L **¶635884082**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC XII 20 21 17 05.2–.41 40.44N–.09 124.26W–.09 34–9 2.5,2.2L
NCEDC XII 20 21 17 05.8–.30 40.45N–.05 124.26W–.08 29–7 2.5,2.2L **¶635884083**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC XII 20 21 19 30.7–.63 40.47N–.07 124.29W–.08 29–11 2.9L,2.4
NCEDC XII 20 21 19 31.2–.71 40.46N–.06 124.28W–.07 25–8 2.9L,2.4 **¶635884084**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC XII 21 04 34 19.9–.93 40.43N–.02 124.29W–.04 32–5 183 0-62
NEIC XII 21 04 34 19.1–.91 40.44N–.03 124.32W–.06 34–8 3.8,3.2L **¶621635036**
NCEDC XII 21 04 34 19.9–1.9 40.45N–.03 124.28W–.03 28–7 3.8,3.2L
IDC XII 21 04 34 22.3–2.9 40.52N 123.63W 0 3.7b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.0km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=3.8km s-min=3.3km az=199.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.0km s-min=16.5km az=80.0.
NEIC XII 20 21 52 52.7–2.3 40.55N–.01 124.46W–.03 10–2 3.3L,3.1L
NCEDC XII 20 21 52 53.2–1.5 40.48N–.02 124.43W–.09 25–8 3.3L,3.1L **¶635884085**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC XII 20 21 53 46.8–.90 40.36N–.02 124.22W–.04 31–5 134 0-62
NEIC XII 20 21 53 45.9–1.0 40.36N–.03 124.20W–.04 32–9 3.9,3.3L **¶621635002**
NCEDC XII 20 21 53 46.5–1.8 40.36N–.02 124.23W–.05 27–7 3.9,3.3L
IDC XII 20 21 53 49.4–3.6 40.50N 123.64W 0 3.2,3.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=5.9km s-min=2.6km az=63.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.3km s-min=20.4km az=73.0.
ISC XII 21 03 26 38.7–.87 40.40N–.02 124.25W–.03 35–4 178 0-62
NEIC XII 21 03 26 38.5–1.1 40.40N–.02 124.29W–.05 33–8 3.8,3.3L **¶621635031**
IDC XII 21 03 26 38.1–3.2 40.56N 124.00W 0 3.2L,3.1
NCEDC XII 21 03 26 39.4–2.0 40.41N–.02 124.24W–.05 27–6 3.2L,3.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC XII 23 03 28 51.7–.92 40.34N–.02 124.30W–.04 31–5 3.6b 152 0-87
NEIC XII 23 03 28 50.1–1.0 40.36N–.03 124.43W–.02 26–7 3.9,3.8b **¶621648332**
NCEDC XII 23 03 28 52.1–1.6 40.38N–.03 124.29W–.07 21–6 3.9,3.8b
IDC XII 23 03 28 56.3–1.5 40.56N 123.50W 0 3.5b,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=1.9km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=8.2km s-min=3.3km az=75.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.5km s-min=12.9km az=53.0.
NEIC XII 24 14 24 20.4–1.6 40.29N–.03 124.93W–.07 26–11 3.6,3.0L
NCEDC XII 24 14 24 25.4–4.0 40.32N–.03 124.70W–.09 23–8 3.6,3.0L **¶622512378**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC XII 28 23 16 27.1–2.6 40.25N–.05 124.82W–.05 10–2 2.7,2.6L
NCEDC XII 28 23 16 29.7–3.8 40.29N–.05 124.65W–.06 20–7 2.7,2.6L **¶622512438**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.

ISC XII 31 20 57 45.4–.90 40.46N–.02 124.39W–.04 27–4 188 0-62
IDC XII 31 20 57 44.5–3.1 40.63N 124.17W 0 3.3L,3.0 **¶621657759**
NEIC XII 31 20 57 44.9–1.0 40.46N–.02 124.41W–.08 31–8 3.8,3.3L
NEIC XII 31 20 57 44.9 40.46N 124.40W 30 3.8,3.3L
NCEDC XII 31 20 57 46.0–2.8 40.48N–.01 124.329W–.01 19–2 3.8,3.3L
NEIC XII 31 20 57 46 40.48N 124.32W 18 3.8,3.3L
NEIC XII 31 20 57 46 40.48N 124.32W 18 3.8,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=35.6km s-min=19.1km az=84.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=3.5km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.68 $M_{\theta\theta}$-6.78 $M_{\phi\phi}$6.10 $M_{r\theta}$-0.55 $M_{\theta\phi}$-2.28 $M_{\phi r}$2.35 NP1:ϕ_s37.02000°,δ75.31000°,λ13.53000°. NP2:ϕ_s303.53000°,δ76.92000°,λ164.91000°. Principal axes: T 7.3547,Plg20.0000°,Azm260.0000°; N -0.1861,Plg70.0000°,Azm84.0000°; P -7.1686,Plg1.0000°,Azm350.0000° $M_0$7.26000×10^{14}
NEIC Event type se.
NCEDC Event type se. Error ellipse: s-maj=1.7km s-min=1.0km az=187.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$6.43000×10^{14}

(36) Northern California.

ISC VII 08 07 36 25.7–.79 38.56N–.01 122.28W–.02 12–5 253 0-18
NEIC VII 08 07 36 25.6–1.3 38.574N–.01 122.284W–.01 10–1 3.6,3.3L **¶620928161**
IDC VII 08 07 36 26.6–2.0 38.56N 122.32W 0 3.2L,2.9
NCEDC VII 08 07 36 26.1–1.6 38.55N–.01 122.32W–.01 10–5 3.2L,2.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC VIII 01 13 30 44.5–1.4 38.72N–.02 122.58W–.04 5–2 2.7,1.9L
NCEDC VIII 01 13 30 41.4–2.3 38.78N–.02 122.72W–.05 2–7 2.7,1.9L **¶626338545**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC IX 06 22 34 24.6–.88 38.82N–.02 122.82W–.02 4–6 130 0-18
NCEDC IX 06 22 34 24.8–1.0 38.82N–.01 122.82W–.02 2–3 **¶621039479**
NEIC IX 06 22 34 24.5–1.7 38.83N–.01 122.81W–.02 5–1 3.1L,2.9L
IDC IX 06 22 34 24.5–2.6 38.92N 122.88W 0 3.2L,3.2
ISC Event type se.
NCEDC Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=215.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.1km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.0km s-min=14.5km az=61.0.
NEIC VIII 02 18 28 53.7–2.0 39.69N–.01 122.82W–.01 5–1 3.7,3.4L
NCEDC VIII 02 18 28 54.3–2.7 39.670N–.01 122.86W–.01 8–4 3.7,3.4L **¶620929580**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.

(37) Nevada.

NEIC VII 10 14 05 12.3–1.4 38.21N–.01 117.77W–.02 10–2 3.6L,3.3L
NEIC VII 10 14 05 11 38.23N 117.75W 10 3.4,3.3L **¶622450572**
REN VII 10 14 05 12.7–1.1 38.20N–.01 117.77W–.02 11–7 3.4,3.3L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.76000×10^{14}
REN Event type se. hypocenter. manual.
NEIC VII 24 05 34 46.5–1.2 38.17N–.02 116.72W–.02 5–1 3.8L,3.3L
REN VII 24 05 34 46.8–1.3 38.17N–.02 116.72W–.02 1–0 3.8L,3.3L **¶620845596**
NEIC VII 24 05 34 46 38.17N 116.71W 9 3.3,3.3L
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.8km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=2.5km s-min=2.1km az=55.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$9.77000×10^{13}
ISC X 15 00 04 32.2–.75 39.04N–.02 115.67W–.02 10 75 1-32
NEIC X 15 00 04 31.5–2.0 39.02N–.02 115.65W–.01 5–5 3.6L,3.2L **¶621196204**
REN X 15 00 04 32.3–2.3 39.08N–.02 115.67W–.03 8–5 3.6L,3.2L
IDC X 15 00 04 34.5–1.9 39.18N 115.89W 0 3.2L,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=1.3km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=3.3km s-min=2.7km az=217.0. hypocenter. manual.
IDC Error ellipse: s-maj=50.5km s-min=10.3km az=150.0.
IDC VIII 16 22 28 16.9–3.2 39.25N 115.69W 0 1.5 ¶621030211
IDC Error ellipse: s-maj=43.7km s-min=13.0km az=130.0.
ISC VIII 31 17 21 10.6–.69 40.89N–.03 114.93W–.02 3–4 4.7b,3.8s 357 0-153
NEIC VIII 31 17 21 09.0–2.0 40.88N–.02 114.97W–.03 7–3 4.9L,4.6b **¶621012256**
NEIC VIII 31 17 21 09.6 40.91N 114.95W 11 4.9L,4.6b
IDC VIII 31 17 21 10.8–.37 40.92N 114.96W 0 4.4L,4.4b
NEIC VIII 31 17 21 10.1 40.90N 114.95W 14 4.4L,4.4b
REN VIII 31 17 21 12.3–2.2 40.88N–.03 115.01W–.03 14–0 4.4L,4.4b
GFZ VIII 31 17 21 14.7–.26 41N–3.0 115W–3.0 10 4.7b,4.4
GCMT VIII 31 17 21 15.0–.30 41.04N–.03 114.95W–.02 20–1 4.8W,4.4
NEIC VIII 31 17 21 18.2 40.91N 114.95W 12 4.7,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=3.0km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-6.96 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$7.39 $M_{r\theta}$3.54 $M_{\theta\phi}$2.43 $M_{\phi r}$1.91 NP1:ϕ_s215.87000°,δ58.74000°,λ-66.45000°. NP2:ϕ_s355.84000°,δ38.41000°,λ-123.36000°. Principal axes: T 8.6235,Plg11.0000°,Azm289.0000°; N -0.0740,Plg20.0000°,Azm23.0000°; P -8.5496,Plg67.0000°,Azm172.0000° $M_0$8.59000×10^{15}
NEIC Event type se.
IDC Error ellipse: s-maj=8.1km s-min=6.8km az=122.0.
NEIC Event type se.
REN Event type se. Error ellipse: s-maj=4.4km s-min=3.1km az=188.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108311721A. Moment Tensor Solution. s22,c24; s83,c122; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.51±.11 $M_{\theta\theta}$-0.01±.07; $M_{\phi\phi}$1.51±.07; $M_{r\theta}$0.78±.15; $M_{\theta\phi}$0.47±.04; $M_{\phi r}$0.10±.11; Best double couple: NP1:ϕ_s355.00000°,δ44.00000°,λ-124.00000°. NP2:ϕ_s218.00000°,δ55.00000°,λ-62.00000°. Principal axes: T 1.6740,Plg6.0000°,Azm288.0000°; N 0.1650,Plg23.0000°,Azm21.0000°; P -1.8440,Plg67.0000°,Azm184.0000° $M_0$1.75900×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.09 $M_{\theta\theta}$0.05 $M_{\phi\phi}$1.04 $M_{r\theta}$0.26 $M_{\theta\phi}$0.34 $M_{\phi r}$0.63 NP1:ϕ_s14.42000°,δ29.44000°,λ-94.76000°. NP2:ϕ_s199.88000°,δ60.67000°,λ-87.32000°. Principal axes: T 1.3344,Plg16.0000°,Azm288.0000°; N -0.0480,Plg2.0000°,Azm19.0000°; P -1.2864,Plg74.0000°,Azm117.0000° $M_0$1.31000×10^{16}
NEIC IX 12 15 18 51.3–1.9 38.20N–.01 117.76W–.02 10–6 3.7L,3.3L
NEIC IX 12 15 18 51 38.20N 117.75W 10 3.5,3.3L **¶621070692**
REN IX 12 15 18 51.7–1.6 38.19N–.04 117.75W–.02 8–4 3.5,3.3L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.95000×10^{14}
REN Event type se. hypocenter. manual.
NEIC X 15 12 36 05.1–.98 38.143N–.01 117.98W–.01 7–1 3.7L,3.4L
NEIC X 15 12 36 04 38.17N 117.94W 11 3.4,3.4L **¶621203260**
REN X 15 12 36 04.9–.76 38.135N–.01 117.99W–.01 9–2 3.4,3.4L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.76000×10^{14}
REN Event type se. hypocenter. manual.

(38) Off coast of California.

IDC IX 04 00 54 00.1–999 36.64N 130.19W 0
¶621081598

IDC Error ellipse: s-maj=453.7km s-min=226.4km az=71.0.

(39) Central California.

NEIC VII 03 04 58 09.1–.55 35.523N–.01 118.38W–.01 10–2 3.5,3.2L
PAS VII 03 04 58 09.6–.51 35.518N–.01 118.38W–.01 7–1 3.5,3.2L **¶620733165**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC VII 03 23 23 50.9–.81 37.00N–.02 120.83W–.01 12–5 3.9b,3.5s 352 0-87
NEIC VII 03 23 23 50.7–1.5 37.06N–.01 120.84W–.01 5–1 3.8L,3.5s **¶620733440**
NEIC VII 03 23 23 51.6 37.05N 120.89W 5 3.8L,3.5s
IDC VII 03 23 23 51.7–1.2 37.00N 120.81W 0 3.7b,3.4
NCEDC VII 03 23 23 51.4–2.2 37.05N–.01 120.88W–.01 6–3 3.7b,3.4
NEIC VII 03 23 23 51.6 37.05N 120.89W 5 3.7,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.1km az=22.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=11.5km az=51.0.
NCEDC Event type se. Error ellipse: s-maj=1.8km s-min=1.5km az=183.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$5.11000×10^{14}
NEIC VII 06 02 38 00.4–.54 35.682N–.01 117.52W–.01 10–5 3.5L,3.2L
PAS VII 06 02 38 01–.69 35.682N–.01 117.534W–.01 6–1 3.5L,3.2L **¶620734444**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC VIII 27 12 34 50.7–.98 35.49N–.02 118.40W–.02 6–8 204 0-117
IDC VIII 27 12 34 50.0–1.0 35.46N 118.46W 0 3.8b,3.5L **¶621009613**
NEIC VIII 27 12 34 50.3–1.6 35.52N–.01 118.37W–.01 5–1 4.0L,3.9
NEIC VIII 27 12 34 50.5 35.51N 118.37W 9 4.0L,3.9
PAS VIII 27 12 34 51.2–1.2 35.52N–.01 118.38W–.03 5–5 4.0L,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-5.65 $M_{\theta\theta}$-2.66 $M_{\phi\phi}$8.31 $M_{r\theta}$-4.42 $M_{\theta\phi}$-2.52 $M_{\phi r}$-1.30 NP1:ϕ_s136.33000°,δ54.66000°,λ-138.28000°. NP2:ϕ_s19.05000° ,δ57.12000°,λ-43.54000°. Principal axes: T 8.8693,Plg1.0000°,Azm78.0000° ; N 0.3218,Plg38.0000°,Azm169.0000°; P -9.1910,Plg52.0000°,Azm346.0000° $M_0$9.03000×10^{14}
NEIC Event type se.
PAS Event type se. hypocenter. manual.
NEIC VIII 06 14 37 44.9–1.1 35.04N–.01 119.073W–.01 10–1 3.5L,3.4
PAS VIII 06 14 37 45.2–1.2 35.041N–.01 119.084W–.00 8–2 3.5L,3.4 **¶620973895**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC VIII 31 16 09 56.3–.67 36.57N–.02 121.20W–.02 13–4 3.9b,3.7s 337 0-93
NEIC VIII 31 16 09 56.1–1.6 36.55N–.02 121.20W–.03 10–1 4.1L,4.1b **¶621012268**
NCEDC VIII 31 16 09 56.6–1.2 36.58N–.02 121.18W–.02 9–5 4.1L,4.1b
NEIC VIII 31 16 09 56.6 36.58N 121.18W 9 4.1L,4.1b
NEIC VIII 31 16 09 56.6 36.58N 121.18W 8 4.1,4.1b
IDC VIII 31 16 09 56.5–1.1 36.57N 121.25W 0 3.8L,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.9km az=236.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=3.1km s-min=1.3km az=220.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$1.47000×10^{15}
IDC Error ellipse: s-maj=13.7km s-min=12.4km az=19.0.
NEIC IX 05 23 39 21.8–1.5 36.14N–.01 118.05W–.01 5–2 3.3L,3.1L
PAS IX 05 23 39 22.3–1.2 36.15N–.01 118.07W–.01 3–1 3.3L,3.1L **¶621035638**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC IX 05 23 39 52.6–.83 36.165N–.01 118.07W–.02 5–1 2.5L,2.3L
PAS IX 05 23 39 53.5–.87 36.152N–.01 118.06W–.01 4–3 2.5L,2.3L **¶626682195**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC X 02 01 42 19.9–1.1 35.063N–.01 118.32W–.01 5–1 3.7,3.6L
PAS X 02 01 42 20.5–1.2 35.07N–.01 118.32W–.01 3–4 3.7,3.6L **¶621116395**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC IX 14 07 38 52.2–.90 36.28N–.02 120.58W–.02 16–7 290 0-86
NEIC IX 14 07 38 51.2–2.6 36.35N–.02 120.50W–.03 10–2 3.8,3.8L **¶621072677**
IDC IX 14 07 38 52.4–1.5 36.26N 120.46W 0 3.7b,3.6L
NCEDC IX 14 07 38 52.1–3.2 36.30N–.03 120.59W–.05 17–6 3.7b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC XI 17 19 43 44.3–.70 37.80N–.01 121.97W–.01 11–3 483 0-49
NEIC XI 17 19 43 42.9–1.4 37.809N–.01 121.90W–.02 14–3 3.9,3.9 **¶621414505**
IDC XI 17 19 43 43.6–1.6 37.80N 121.99W 0 3.6b,3.5L
NCEDC XI 17 19 43 43.5–2.8 37.79N–.01 121.97W–.02 10–3 3.6b,3.5L
NEIC XI 17 19 43 43.5 37.82N 121.94W 18 3.6b,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=0.9km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.75 $M_{\theta\theta}$-7.27 $M_{\phi\phi}$6.52 $M_{r\theta}$-1.69 $M_{\theta\phi}$3.93 $M_{\phi r}$-2.42 NP1:ϕ_s148.28000°,δ71.32000°,λ170.46000°. NP2:ϕ_s241.37000°,δ80.96000° ,λ18.92000°. Principal axes: T 8.5570,Plg20.0000°,Azm106.0000°; N -0.1243,Plg69.0000° ,Azm266.0000°; P -8.4327,Plg7.0000°,Azm14.0000° $M_0$8.50000×10^{14}
IDC Error ellipse: s-maj=18.2km s-min=12.7km az=39.0.
NCEDC Event type se. Error ellipse: s-maj=3.2km s-min=0.8km az=55.0. hypocenter. manual.
NEIC Event type se.
NEIC X 04 23 07 48.3–.97 36.597N–.01 121.30W–.01 5–1 3.7L,3.3L
NCEDC X 04 23 07 48.8–1.1 36.589N–.01 121.29W–.01 6–2 3.7L,3.3L **¶621120405**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC X 20 08 57 14.4–2.6 36.74N–.01 121.26W–.01 5–1 3.7,3.6L
NCEDC X 20 08 57 15.9–1.9 36.671N–.01 121.32W–.01 7–2 3.7,3.6L **¶621224460**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC X 25 23 42 34.5–1.2 35.76N–.02 121.37W–.03 1–7 4.8b,4.1s 448 0-151
NEIC X 25 23 42 34.9 35.76N 121.34W 10 4.8b,4.1s **¶621239247**
NCEDC X 25 23 42 35.9–2.1 35.78N–.01 121.30W–.04 8–6 4.8b,4.1s
NEIC X 25 23 42 35.1–2.3 35.76N–.01 121.31W–.04 6–2 4.7b,4.7
IDC X 25 23 42 35.4–.48 35.70N 121.46W 0 4.6b,4.6
GFZ X 25 23 42 36.9–.24 36N–3.0 122W–4.0 10 5.6b,5.1
GCMT X 25 23 42 40.4–.40 35.86N–.03 121.39W–.04 12 4.8W,5.1
ISC Event type se.
NEIC Event type se.
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.21 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$-0.27 $M_{r\theta}$0.24 $M_{\theta\phi}$0.54 $M_{\phi r}$-0.13 NP1:ϕ_s298.87000°,δ38.81000°,λ89.95000°. NP2:ϕ_s118.94000°,δ51.19000° ,λ90.04000°. Principal axes: T 1.2411,Plg84.0000°,Azm29.0000°; N 0.0280,Plg0.0000° ,Azm299.0000°; P -1.2691,Plg6.0000°,Azm209.0000° $M_0$1.26000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110252342A. Moment Tensor Solution. s12,c13; s90,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.79±.07 $M_{\theta\theta}$-1.44±.07; $M_{\phi\phi}$-0.35±.06; $M_{r\theta}$0.16±.27; $M_{\theta\phi}$0.82±.06; $M_{\phi r}$-1.34±.30; Best double couple: NP1:ϕ_s278.00000°,δ38.00000° ,λ51.00000°. NP2:ϕ_s144.00000°,δ62.00000°,λ116.00000°. Principal axes: T 2.4460,Plg63.0000°,Azm97.0000°; N -0.3910,Plg23.0000°,Azm311.0000° ; P -2.0590,Plg13.0000°,Azm215.0000° $M_0$2.25300×10^{16}
NEIC X 25 23 49 36.0–2.4 35.78N–.01 121.26W–.02 5–1 3.5L,3.2L
NCEDC X 25 23 49 36.1–1.5 35.77N–.02 121.30W–.03 6–4 3.5L,3.2L **¶621239250**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.

(40) California-Nevada border region.

ISC VII 08 22 49 49.8–.33 38.51N–.02 119.48W–.02 11–1 5.6s,5.6b 1762 0-157
NEIC VII 08 22 49 47.4 38.55N 119.44W 6 5.6s,5.6b **¶620783812**
IDC VII 08 22 49 47.3–.36 38.53N 119.49W 0 5.4s,5.0b
MOS VII 08 22 49 47.2–1.2 38.52N 119.48W 10 5.9b,5.7s
REN VII 08 22 49 47.9–1.8 38.51N–.02 119.50W–.04 10–1 5.9b,5.7s
ISC-P VII 08 22 49 47 38.56N 119.41W 3–0 6.0,5.7s
NEIC VII 08 22 49 47.3–1.7 38.56N–.03 119.41W–.04 7–2 5.9,5.8
NCEDC VII 08 22 49 48.1–1.9 38.51N–.03 119.50W–.05 7–3 5.9,5.8
BJI VII 08 22 49 48.2 38.50N 119.50W 10 6.2b,5.8s
NEIC VII 08 22 49 48.1 38.53N 119.46W 10 6.2b,5.8s
NEIC VII 08 22 49 48.1 38.53N 119.46W 10 6.2b,5.8s
PTWC VII 08 22 49 48 38.60N 119.50W 10 6.1,5.8s
IPGP VII 08 22 49 48.0 38.52N 119.50W 7 6.0W,5.8s
GFZ VII 08 22 49 51.6 38.58N 119.44W 13 5.9W,5.8s
GFZ VII 08 22 49 51.6–.10 39N–2.0 119W–2.0 10 6.2b,5.8
GCMT VII 08 22 49 54.7–.10 38.51N 119.48W 12 6.0W,5.8
BGR VII 08 22 49 57.7 39.46N 120.16W 33 6.1,5.8b
NEIC VII 08 22 50 00.1 38.53N 119.46W 12 6.0,5.8b
ISC Event type ke.
NEIC Event type se.
IDC Error ellipse: s-maj=8.6km s-min=6.9km az=42.0.
MOS Error ellipse: s-maj=6.2km s-min=3.9km az=87.7.
REN Event type se. Error ellipse: s-maj=5.6km s-min=2.0km az=64.0. hypocenter. manual.
ISC-P Moment Tensor Solution. s43 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.88±.12 $M_{\theta\theta}$-0.15±.17; $M_{\phi\phi}$0.09±.12; $M_{r\theta}$-0.26±.10; $M_{\theta\phi}$0.05±.22; $M_{\phi r}$-0.17±.13; NP1:ϕ_s346.50000°,δ38.10000° ,λ295.50000°. NP2:ϕ_s135.30000°,δ56.10000°,λ-108.70000°. $M_0$1.29000×10^{18}
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.1km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.06 $M_{\theta\theta}$-1.80 $M_{\phi\phi}$5.86 $M_{r\theta}$1.66 $M_{\theta\phi}$1.02 $M_{\phi r}$1.32 NP1:ϕ_s209.91000°,δ58.34000°,λ-60.11000°. NP2:ϕ_s342.32000°,δ42.44000° ,λ-128.94000°. Principal axes: T 6.2278,Plg9.0000°,Azm279.0000°; N -1.2398,Plg25.0000° ,Azm13.0000°; P -4.9880,Plg63.0000°,Azm171.0000° $M_0$5.71000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-6.48 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$7.85 $M_{r\theta}$0.57 $M_{\theta\phi}$1.03 $M_{\phi r}$-0.29 NP1:ϕ_s359.62000°,δ46.29000°,λ-99.36000°. NP2:ϕ_s193.04000°,δ44.50000° ,λ-80.35000°. Principal axes: T 7.9647,Plg1.0000°,Azm96.0000°; N -1.4068,Plg7.0000° ,Azm6.0000°; P -6.5579,Plg83.0000°,Azm194.0000° $M_0$7.36000×10^{17}
NCEDC Event type se. Error ellipse: s-maj=6.1km s-min=2.1km az=55.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se.
PTWC CALIFORNIA-NEVADA BORDER REGION.
IPGP Moment Tensor Solution. NP1:ϕ_s205.00000°,δ50.00000°,λ-65.00000°. NP2:ϕ_s349.00000° ,δ46.00000°,λ-117.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-8.73 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$9.55 $M_{r\theta}$-1.58 $M_{\theta\phi}$1.02 $M_{\phi r}$-2.27 NP1: ϕ_s176.17794°,δ38.40514°,λ-104.55094°. NP2:ϕ_s14.50449°,δ53.03749°,λ-78.73593°. Principal axes: T 9.9677,Plg7.4082°,Azm96.4982°; N -0.7095,Plg8.9792°,Azm187.6754° ; P -9.2582,Plg78.3200°,Azm327.5247° $M_0$9.63256×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107082250B. Moment Tensor Solution. s157,c346; s169,c622;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.91±.01 $M_{\theta\theta}$-0.21±.01; $M_{\phi\phi}$1.12±.01; $M_{r\theta}$0.03±.01; $M_{\theta\phi}$0.18±.01; $M_{\phi r}$-0.18±.01; Best double couple: NP1:ϕ_s192.00000°,δ40.00000°,λ-83.00000°. NP2:ϕ_s3.00000°,δ50.00000°,λ-96.00000°. Principal axes: T 1.1590,Plg5.0000°,Azm97.0000°; N -0.2340,Plg5.0000°,Azm7.0000° ; P -0.9280,Plg83.0000°,Azm234.0000° $M_0$1.04400×10^{18}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 5s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.88 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$1.10 $M_{r\theta}$0.33 $M_{\theta\phi}$0.19 $M_{\phi r}$-0.60 NP1:ϕ_s211.09000°,δ35.25000° ,λ-51.18000°. NP2:ϕ_s346.51000°,δ63.28000°,λ-113.90000°. Principal axes: T 1.2745,Plg15.0000°,Azm94.0000°; N -0.0908,Plg21.0000°,Azm358.0000° ; P -1.1837,Plg64.0000°,Azm216.0000° $M_0$1.23000×10^{18}
ISC VII 08 22 50 13.1–.77 38.49N–.03 119.47W–.04 17–4 5.0b 54 0-96
NEIC VII 08 22 50 14.2–.49 38.52N–.01 119.50W–.02 9–3 5.3L,5.2L **¶626243501**
NCEDC VII 08 22 50 14.4–.40 38.51N–.02 119.50W–.02 7–1 5.3L,5.2L
REN VII 08 22 50 14.6–.52 38.53N–.02 119.50W–.01 6–2 5.3L,5.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC VII 08 22 59 45.4–.82 38.52N–.02 119.51W–.02 7–6 3.9b 226 0-88
NEIC VII 08 22 59 44.8–1.7 38.53N–.01 119.50W–.02 6–2 4.4L,4.3L **¶622449066**
NCEDC VII 08 22 59 45.3–1.9 38.51N–.02 119.51W–.02 7–4 4.4L,4.3L
REN VII 08 22 59 45.0–2.0 38.53N–.01 119.49W–.02 9–6 4.4L,4.3L
IDC VII 08 22 59 47.3–1.1 38.72N 119.33W 0 4.0L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.6km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=3.3km s-min=0.6km az=213.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=2.6km s-min=1.0km az=220.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.5km s-min=9.2km az=42.0.
NEIC VII 08 23 05 55.5–.95 38.49N–.01 119.54W–.02 6–3 3.0L,2.6L
NCEDC VII 08 23 05 55.8–1.2 38.47N–.01 119.54W–.01 0–0 3.0L,2.6L **¶622449073**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC VII 08 23 07 41.5–.67 38.48N–.01 119.52W–.01 6–2 2.8L,2.7L
REN VII 08 23 07 41.7–.93 38.49N–.01 119.508W–.01 4–2 2.8L,2.7L **¶622449077**
NCEDC VII 08 23 07 41.9–.91 38.474N–.01 119.54W–.01 1–0 2.8L,2.7L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC VII 08 23 07 52.2–1.6 38.52N–.02 119.54W–.02 10–2 2.8L,2.6L
NCEDC VII 08 23 07 54.1–2.5 38.53N–.01 119.52W–.02 7–4 2.8L,2.6L **¶622449080**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC VII 08 23 16 04.8–.67 38.54N–.01 119.510W–.01 4–3 2.6,2.4L
NCEDC VII 08 23 16 04.9–.78 38.52N–.02 119.51W–.01 8–1 2.6,2.4L **¶622449083**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC VII 08 23 21 45.4–1.1 38.501N–.01 119.52W–.01 4–2 3.0L,2.9L
NCEDC VII 08 23 21 45.7–1.3 38.49N–.01 119.52W–.01 9–3 3.0L,2.9L **¶622449088**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC VII 08 23 22 08.6–.90 38.534N–.01 119.51W–.01 6–2 3.0L,3.0L
NCEDC VII 08 23 22 09.4–1.5 38.52N–.01 119.53W–.01 4–3 3.0L,3.0L **¶622449091**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.

NEIC VII 08 23 22 18.0–1.6 38.55N–.02 119.49W–.02 9–6 3.1L,2.9L
NCEDC VII 08 23 22 18.8–1.1 38.52N–.02 119.52W–.02 6–2 3.1L,2.9L **¶622449092**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC VII 08 23 33 41.3–.94 38.47N–.02 119.56W–.02 5–6 4.6b 459 0-151
NCEDC VII 08 23 33 40.9–1.2 38.48N–.01 119.55W–.01 2–1 4.6b **¶620783814**
NEIC VII 08 23 33 40.3–1.3 38.49N–.01 119.54W–.01 4–3 4.8L,4.7L
NEIC VII 08 23 33 40.4 38.47N 119.54W 4 4.8L,4.7L
IDC VII 08 23 33 40.6–.43 38.51N 119.53W 0 4.3L,4.3b
REN VII 08 23 33 40.7–1.1 38.49N–.01 119.53W–.02 8–3 4.3L,4.3b
GFZ VII 08 23 33 44.1–.36 39N–3.0 120W–4.0 10 4.6b,4.6
ISC Event type se.
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-8.07 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$8.52 $M_{r\theta}$-3.96 $M_{\theta\phi}$-0.56 $M_{\phi r}$-0.70 NP1:ϕ_s155.12000°,δ47.85000°,λ-122.09000°. NP2:ϕ_s18.18000° ,δ51.09000°,λ-59.59000°. Principal axes: T 8.5693,Plg2.0000°,Azm87.0000° ; N 1.2321,Plg23.0000°,Azm178.0000°; P -9.8014,Plg67.0000°,Azm353.0000° $M_0$9.25000×10^{15}
NEIC Event type se.
REN Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC VII 08 23 44 40.6–.89 38.56N–.01 119.54W–.01 7–5 3.5L,3.5L
REN VII 08 23 44 40.7–.64 38.56N–.01 119.52W–.01 7–5 3.5L,3.5L **¶622449109**
NCEDC VII 08 23 44 41.1–.96 38.553N–.01 119.52W–.02 4–4 3.5L,3.5L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC VII 08 23 47 43.2–.50 38.537N–.01 119.53W–.01 7–4 3.9L,3.8L
REN VII 08 23 47 43.1–.61 38.54N–.01 119.52W–.02 10–5 3.9L,3.8L **¶622449113**
NCEDC VII 08 23 47 43.5–.86 38.536N–.01 119.53W–.01 5–1 3.9L,3.8L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC VII 08 23 57 25.3–.97 38.51N–.01 119.53W–.01 6–3 2.8,2.4L
NCEDC VII 08 23 57 25.7–1.1 38.51N–.01 119.52W–.01 4–3 2.8,2.4L **¶622449117**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC VII 08 23 58 52.3–1.1 38.54N–.02 119.57W–.01 2–7 4.3b 346 0-93
NEIC VII 08 23 58 52.8 38.54N 119.52W 4 4.3b **¶622449118**
NEIC VII 08 23 58 53.2–1.2 38.54N–.02 119.53W–.02 8–3 4.5b,4.2L
NCEDC VII 08 23 58 53.6–1.4 38.54N–.02 119.52W–.03 6–4 4.5b,4.2L
REN VII 08 23 58 53.2–1.3 38.55N–.01 119.51W–.02 9–5 4.5b,4.2L
IDC VII 08 23 58 53.6–.75 38.58N 119.48W 0 4.0L,3.9b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=1.1km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.47 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$2.71 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.19 $M_{\phi r}$-0.34 NP1:ϕ_s3.87000°,δ48.79000°,λ-89.70000°. NP2:ϕ_s183.42000°,δ41.22000° ,λ-90.34000°. Principal axes: T 2.7421,Plg4.0000°,Azm94.0000°; N -0.2459,Plg0.0000° ,Azm184.0000°; P -2.4962,Plg86.0000°,Azm277.0000° $M_0$2.63000×10^{15}
NCEDC Event type se. Error ellipse: s-maj=3.2km s-min=2.2km az=56.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=2.1km s-min=1.8km az=224.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.9km s-min=9.0km az=40.0.
ISC VII 09 00 05 21.3–.80 38.49N–.02 119.48W–.02 9–5 234 0-31
NCEDC VII 09 00 05 21.5–.77 38.456N–.01 119.483W–.01 5–2 **¶620928212**
NEIC VII 09 00 05 21.4–.73 38.461N–.01 119.487W–.01 7–2 3.9L,3.9L
REN VII 09 00 05 21.3–.99 38.478N–.01 119.48W–.01 7–0 3.9L,3.9L
IDC VII 09 00 05 23.0–1.7 38.57N 119.39W 0 3.9L,3.6
ISC Event type se.
NCEDC Event type se. Error ellipse: s-maj=1.3km s-min=0.8km az=154.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=1.4km s-min=0.9km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=1.6km s-min=1.4km az=58.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=12.1km az=12.0.
ISC VII 09 00 27 47.2–.57 38.49N–.02 119.51W–.02 10 4.0b 194 0-38
NEIC VII 09 00 27 46.7–1.6 38.52N–.02 119.47W–.04 8–5 4.4L,4.3L **¶620928214**
NCEDC VII 09 00 27 46.6–1.4 38.48N–.02 119.51W–.04 5–5 4.4L,4.3L
REN VII 09 00 27 46.5–1.4 38.49N–.01 119.50W–.03 8–4 4.4L,4.3L
NEIC VII 09 00 27 46.2 38.51N 119.49W 4 4.4L,4.3L
IDC VII 09 00 27 48.6–1.2 38.63N 119.43W 0 4.1L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=1.0km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.37 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$2.13 $M_{r\theta}$-0.72 $M_{\theta\phi}$0.05 $M_{\phi r}$0.17 NP1:ϕ_s30.12000°,δ51.41000°,λ-45.30000°. NP2:ϕ_s152.34000°,δ56.25000° ,λ-131.40000°. Principal axes: T 2.1406,Plg3.0000°,Azm270.0000°; N -0.2833,Plg33.0000° ,Azm178.0000°; P -1.8572,Plg57.0000°,Azm4.0000° $M_0$2.01000×10^{15}
NCEDC Event type se. Error ellipse: s-maj=5.8km s-min=2.1km az=60.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=89.0. hypocenter. manual.
NEIC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=11.2km az=40.0.
ISC VII 09 01 46 00.6–.74 38.51N–.01 119.54W–.02 6–5 4.6s,4.4b 400 0-151
NEIC VII 09 01 45 59.9 38.51N 119.53W 5 4.6s,4.4b **¶622450436**
IDC VII 09 01 46 00.2–.56 38.63N 119.52W 0 4.3L,4.1b
REN VII 09 01 46 00.0–.95 38.51N–.01 119.53W–.02 10–7 4.3L,4.1b
NCEDC VII 09 01 46 00.4–1.0 38.51N–.01 119.53W–.02 4–0 4.3L,4.1b
NEIC VII 09 01 46 00.1–.97 38.51N–.01 119.52W–.02 7–3 4.6L,4.6L
GFZ VII 09 01 46 04.9–.38 39N–3.0 119W–4.0 10 4.3b,4.2
ISC Event type se.
NEIC Event type se.
REN Event type se. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-4.60 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$5.94 $M_{r\theta}$-0.75 $M_{\theta\phi}$0.55 $M_{\phi r}$-1.20 NP1:ϕ_s173.17000°,δ39.38000°,λ-106.61000°. NP2:ϕ_s14.27000° ,δ52.55000°,λ-76.79000°. Principal axes: T 6.1317,Plg7.0000°,Azm95.0000° ; N -1.2624,Plg10.0000°,Azm186.0000°; P -4.8694,Plg78.0000°,Azm333.0000° $M_0$5.61000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC VII 09 04 20 27.8–.44 38.54N–.01 119.54W–.02 6–1 2.6L,2.4
NCEDC VII 09 04 20 28.2–.63 38.548N–.01 119.53W–.02 5–5 2.6L,2.4 **¶622450457**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC VII 09 05 04 18.6–.81 38.54N–.02 119.50W–.02 10–6 3.7b 349 0-94
NEIC VII 09 05 04 18.2–.99 38.538N–.01 119.50W–.01 11–5 4.3L,4.1 **¶620928223**
REN VII 09 05 04 18.1–.80 38.54N–.01 119.50W–.01 8–6 4.3L,4.1
NCEDC VII 09 05 04 18.4–.83 38.53N–.01 119.51W–.01 6–2 4.3L,4.1
IDC VII 09 05 04 19.7–1.0 38.70N 119.36W 0 3.7L,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=1.7km s-min=1.2km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=1.5km s-min=1.5km az=202.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=1.7km s-min=1.3km az=217.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.1km s-min=9.2km az=44.0.
ISC VII 09 05 10 35.7–.86 38.54N–.01 119.53W–.02 8–6 3.8b,3.5s 364 0-93
NEIC VII 09 05 10 35.0–.80 38.548N–.01 119.53W–.01 2–1 4.8L,4.6L **¶620928225**
REN VII 09 05 10 35.5–.80 38.554N–.01 119.52W–.01 8–4 4.8L,4.6L
NCEDC VII 09 05 10 35.8–.76 38.543N–.01 119.53W–.01 4–2 4.8L,4.6L
IDC VII 09 05 10 37.2–.96 38.71N 119.40W 0 4.2L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=1.5km s-min=1.0km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=1.6km s-min=1.0km az=59.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=1.5km s-min=1.3km az=220.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.6km s-min=8.9km az=43.0.
NEIC VII 09 05 43 54.9–.68 38.550N–.01 119.53W–.01 5–3 3.6L,3.5L
REN VII 09 05 43 55.0–.86 38.545N–.01 119.53W–.01 9–8 3.6L,3.5L **¶620967615**
NCEDC VII 09 05 43 55.3–.66 38.539N–.01 119.539W–.01 5–3 3.6L,3.5L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC VII 09 09 13 48.6–.84 38.54N–.02 119.47W–.02 6–6 243 0-31
NEIC VII 09 09 13 48.6–.73 38.553N–.01 119.46W–.01 3–0 3.7L,3.6 **¶620928249**
REN VII 09 09 13 49.0–.71 38.56N–.01 119.46W–.01 6–2 3.7L,3.6
NCEDC VII 09 09 13 49.0–.68 38.549N–.01 119.47W–.01 1–1 3.7L,3.6
IDC VII 09 09 13 50.8–1.1 38.77N 119.28W 0 3.4L,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=1.4km s-min=1.3km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=1.6km s-min=1.4km az=197.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=1.5km s-min=0.9km az=47.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=9.9km az=45.0.
NEIC VII 09 11 48 56.2–1.5 38.46N–.01 119.527W–.01 5–1 3.0L,2.7L
REN VII 09 11 48 57.2–1.6 38.47N–.01 119.524W–.01 7–2 3.0L,2.7L **¶622450497**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC VII 10 00 17 41.9–.64 38.536N–.01 119.50W–.01 4–3 2.8L,2.7L
REN VII 10 00 17 41.6–.88 38.552N–.01 119.46W–.01 3–4 2.8L,2.7L **¶622450546**
NCEDC VII 10 00 17 42.1–.61 38.534N–.01 119.48W–.01 -1–1 2.8L,2.7L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC VII 10 00 18 33.8–.80 38.53N–.01 119.49W–.01 7–3 3.1L,2.9L
NCEDC VII 10 00 18 33.8–1.2 38.539N–.01 119.48W–.01 0–1 3.1L,2.9L **¶622450549**
REN VII 10 00 18 33.1–1.4 38.530N–.01 119.49W–.01 0–1 3.1L,2.9L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC VII 10 02 48 44.9–.57 38.506N–.01 119.539W–.01 6–2 3.6L,3.3L
REN VII 10 02 48 44.9–.89 38.504N–.01 119.53W–.01 10–4 3.6L,3.3L **¶622450558**
NCEDC VII 10 02 48 45.3–.72 38.499N–.01 119.54W–.01 3–3 3.6L,3.3L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC VII 14 03 46 14.7–.76 38.54N–.02 119.46W–.02 5–5 286 0-82
NEIC VII 14 03 46 13.9–.67 38.554N–.01 119.46W–.01 5–1 4.1b,3.9L **¶620823856**
REN VII 14 03 46 13.8–.68 38.556N–.01 119.46W–.01 5–2 4.1b,3.9L
NEIC VII 14 03 46 13.8 38.55N 119.45W 5 4.1b,3.9L
NCEDC VII 14 03 46 14.2–.79 38.549N–.01 119.46W–.01 2–3 4.1b,3.9L
IDC VII 14 03 46 15.6–1.0 38.69N 119.39W 0 3.7L,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.5km s-min=1.7km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-4.33 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$5.67 $M_{r\theta}$-3.47 $M_{\theta\phi}$2.33 $M_{\phi r}$-0.04 NP1:ϕ_s167.01000°,δ49.16000°,λ-138.58000°. NP2:ϕ_s47.03000° ,δ59.96000°,λ-49.05000°. Principal axes: T 6.4839,Plg6.0000°,Azm109.0000° ; N 0.2617,Plg35.0000°,Azm204.0000°; P -6.7457,Plg55.0000°,Azm10.0000° $M_0$6.62000×10^{14}
REN Event type se. Error ellipse: s-maj=1.7km s-min=0.5km az=59.0. hypocenter. manual.
NEIC Event type se.
NCEDC Event type se. Error ellipse: s-maj=1.4km s-min=1.2km az=77.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.0km s-min=8.7km az=36.0.
ISC VII 15 14 18 28.2–.73 38.52N–.01 119.48W–.02 11–3 237 0-16
NEIC VII 15 14 18 28.6–1.1 38.509N–.01 119.49W–.01 6–1 3.9L,3.7L **¶620830005**
REN VII 15 14 18 28.5–1.0 38.53N–.01 119.49W–.02 7–0 3.9L,3.7L
IDC VII 15 14 18 29.8–4.4 38.54N 119.44W 0 3.6L,3.3
NEIC VII 15 14 18 29 38.52N 119.49W 5 3.6L,3.3
NCEDC VII 15 14 18 29.0–.91 38.52N–.01 119.49W–.02 5–2 3.6L,3.3
NEIC VII 15 14 18 29 38.52N 119.49W 4 3.8,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=1.9km s-min=0.6km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=2.1km s-min=1.6km az=95.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.6km s-min=23.1km az=94.0.
NEIC Event type se.
NCEDC Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=94.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$5.58000×10^{14}
NEIC VII 17 00 44 53.8–1.5 38.532N–.01 119.47W–.01 5–2 3.5L,3.4L
NCEDC VII 17 00 44 54.3–1.9 38.54N–.01 119.46W–.02 2–4 3.5L,3.4L **¶622450686**
REN VII 17 00 44 54.1–1.4 38.53N–.02 119.46W–.02 6–2 3.5L,3.4L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC VII 17 09 49 10.9–.84 38.55N–.01 119.47W–.02 4–5 304 0-16
NCEDC VII 17 09 49 10.8–.83 38.550N–.01 119.47W–.01 3–1 **¶620928764**
REN VII 17 09 49 10.6–.99 38.546N–.01 119.47W–.01 6–1
NEIC VII 17 09 49 10.6–.88 38.561N–.01 119.47W–.01 4–2 3.8L,3.6L
IDC VII 17 09 49 11.2–1.2 38.63N 119.44W 0 3.5L,3.3
ISC Event type se.
NCEDC Event type se. Error ellipse: s-maj=1.4km s-min=0.9km az=108.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=1.6km s-min=1.3km az=63.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=1.5km s-min=1.2km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.5km s-min=9.7km az=58.0.
ISC VII 18 13 24 10.9–.81 38.42N–.02 119.47W–.02 7–5 265 0-56
NEIC VII 18 13 24 10.4–1.0 38.42N–.01 119.472W–.01 8–6 3.6,3.6L **¶620833375**
NCEDC VII 18 13 24 10.7–1.0 38.424N–.01 119.47W–.01 5–5 3.6,3.6L
REN VII 18 13 24 10.7–.99 38.42N–.01 119.471W–.01 8–5 3.6,3.6L
IDC VII 18 13 24 11.4–1.1 38.71N 119.48W 0 3.8L,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=1.8km s-min=0.5km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=1.8km s-min=0.3km az=56.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=1.8km s-min=0.5km az=156.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.8km s-min=9.8km az=26.0.
NEIC VII 19 06 34 16.9–.56 38.482N–.01 119.52W–.01 6–1 2.6,2.5L
REN VII 19 06 34 16.9–.67 38.477N–.01 119.51W–.01 7–1 2.6,2.5L **¶621112249**
NCEDC VII 19 06 34 17.1–.58 38.477N–.01 119.51W–.01 5–1 2.6,2.5L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC VII 21 12 04 19.0–.86 38.14N–.02 118.25W–.02 10–6 135 0-15
IDC VII 21 12 04 18.9–.92 38.17N 118.23W 0 3.4L,3.3 **¶620842797**
NEIC VII 21 12 04 18.8–.69 38.155N–.01 118.241W–.01 5–1 3.9L,3.7L

REN VII 21 12 04 18.7–.76 38.157N–.01 118.24W–.01 8–3 3.9L,3.7L
NEIC VII 21 12 04 18 38.16N 118.24W 5 3.7,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=8.4km s-min=5.0km az=169.0.
NEIC Event type se. Error ellipse: s-maj=2.3km s-min=1.6km az=281.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=1.5km s-min=1.0km az=217.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$4.03000×10^{14}
NEIC IX 04 10 19 07.0–.62 38.145N–.01 118.253W–.01 4–2 3.5L,3.2L
REN IX 04 10 19 07.4–.83 38.158N–.01 118.25W–.01 7–2 3.5L,3.2L **¶621035300**
NEIC IX 04 10 19 07 38.16N 118.25W 8 3.4,3.2L
NEIC Event type se. Error ellipse: s-maj=1.2km s-min=1.0km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=1.5km s-min=1.3km az=180.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.43000×10^{14}
NEIC VIII 03 18 55 00.8–1.5 37.915N–.01 118.56W–.01 6–4 3.5L,3.3L
NCEDC VIII 03 18 55 00.8–1.4 37.918N–.01 118.56W–.01 7–4 3.5L,3.3L **¶620961717**
REN VIII 03 18 55 01.0–1.7 37.927N–.01 118.57W–.01 6–4 3.5L,3.3L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC VIII 27 04 47 45.5–.83 38.56N–.01 119.44W–.01 3–5 4.4b,3.6s 386 0-98
NEIC VIII 27 04 47 44.7–1.8 38.60N–.04 119.34W–.05 1–1 4.5b,4.4 **¶621008333**
NCEDC VIII 27 04 47 44.7–1.6 38.57N–.04 119.42W–.02 -2–1 4.5b,4.4
REN VIII 27 04 47 45.1–2.6 38.6N–.10 119.4W–.10 5–5 4.5b,4.4
NEIC VIII 27 04 47 45.4 38.59N 119.35W 5 4.5b,4.4
IDC VIII 27 04 47 46.1–.68 38.48N 119.39W 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=214.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.75 $M_{\theta\theta}$0.42 $M_{\phi\phi}$3.32 $M_{r\theta}$0.41 $M_{\theta\phi}$-0.38 $M_{\phi r}$-2.76 NP1:ϕ_s352.00000°,δ64.05000°,λ-90.51000°. NP2:ϕ_s173.16000°,δ25.95000° ,λ-88.96000°. Principal axes: T 4.3338,Plg19.0000°,Azm82.0000°; N 0.3756,Plg0.0000° ,Azm352.0000°; P -4.7094,Plg71.0000°,Azm261.0000° $M_0$4.53000×10^{15}
NCEDC Event type se. Error ellipse: s-maj=6.2km s-min=2.1km az=187.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=18.2km s-min=14.0km az=152.0. hypocenter. manual.
NEIC Event type se.
IDC Error ellipse: s-maj=11.3km s-min=8.5km az=33.0.
ISC VIII 27 01 47 25.6–.81 38.55N–.02 119.42W–.02 7–5 249 0-31
IDC VIII 27 01 47 23.3–2.4 38.65N 119.54W 0 3.9L,3.0b **¶621008320**
NEIC VIII 27 01 47 25.7 38.55N 119.42W 2 3.9L,3.0b
REN VIII 27 01 47 25.8–1.4 38.55N–.01 119.42W–.01 6–2 3.9L,3.0b
NEIC VIII 27 01 47 25.7 38.55N 119.42W 2 3.5,3.0b
NEIC VIII 27 01 47 25.7–1.1 38.560N–.01 119.42W–.01 3–2 3.5L,3.4L
NCEDC VIII 27 01 47 25.7–1.1 38.556N–.01 119.42W–.01 1–1 3.5L,3.4L
ISC Event type se.
NEIC Event type se.
REN Event type se. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$2.19000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC IX 18 19 20 30.9–.69 38.58N–.02 119.48W–.02 10–4 369 0-90
REN IX 18 19 20 30.8–.68 38.55N–.01 119.50W–.02 10–3 **¶621082994**
NEIC IX 18 19 20 30.6–.59 38.55N–.01 119.50W–.02 9–2 4.0,4.0L
NEIC IX 18 19 20 30.7 38.55N 119.50W 6 4.0,4.0L
NCEDC IX 18 19 20 31.0–.76 38.55N–.01 119.50W–.01 7–2 4.0,4.0L
IDC IX 18 19 20 32.2–1.1 38.75N 119.39W 0 4.0L,3.8b
ISC Event type se.
REN Event type se. Error ellipse: s-maj=1.9km s-min=1.7km az=98.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.8km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-8.13 $M_{\theta\theta}$-1.75 $M_{\phi\phi}$9.89 $M_{r\theta}$0.78 $M_{\theta\phi}$1.59 $M_{\phi r}$0.25 NP1:ϕ_s194.24000°,δ46.48000°,λ-80.74000°. NP2:ϕ_s0.91000°,δ44.30000° ,λ-99.62000°. Principal axes: T 10.1077,Plg1.0000°,Azm278.0000°; N -1.8806,Plg7.0000° ,Azm8.0000°; P -8.2271,Plg83.0000°,Azm178.0000° $M_0$9.31000×10^{14}
NEIC Event type se.
NCEDC Event type se. Error ellipse: s-maj=2.1km s-min=0.7km az=221.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.3km s-min=10.4km az=34.0.
NEIC IX 15 12 29 44.2–.79 38.410N–.01 119.57W–.01 5–1 3.6,3.4L
NCEDC IX 15 12 29 44.4–.75 38.419N–.01 119.56W–.01 6–2 3.6,3.4L **¶621076728**
REN IX 15 12 29 44.4–.82 38.43N–.01 119.55W–.02 9–4 3.6,3.4L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC X 08 00 13 49.1–.92 38.11N–.01 118.96W–.02 10–7 3.8L,3.4L
NEIC X 08 00 13 49.3 38.10N 118.95W 10 3.8L,3.4L **¶621134151**
NEIC X 08 00 13 49.3 38.10N 118.95W 11 3.7,3.4L
NCEDC X 08 00 13 49.3–1.1 38.10N–.01 118.95W–.02 10–7 3.7,3.4L
REN X 08 00 13 49.5–1.3 38.11N–.01 118.95W–.02 9–7 3.7,3.4L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$3.86000×10^{14}
NCEDC Event type se. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC IX 23 01 53 41.8–.95 38.555N–.01 119.493W–.01 8–1 3.6L,3.5L
REN IX 23 01 53 41.6–1.1 38.55N–.01 119.496W–.01 9–2 3.6L,3.5L **¶621106376**
NCEDC IX 23 01 53 41.9–1.0 38.543N–.01 119.50W–.01 7–1 3.6L,3.5L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC IX 28 15 12 11.7–.82 38.55N–.01 119.52W–.02 7–5 3.9L,3.7L
REN IX 28 15 12 11.9–.58 38.54N–.01 119.53W–.02 8–4 3.9L,3.7L **¶621112117**
NEIC IX 28 15 12 12.2 38.54N 119.54W 3 3.9L,3.7L
NEIC IX 28 15 12 12.2 38.54N 119.54W 4 3.8,3.7L
NCEDC IX 28 15 12 12.2–.88 38.54N–.01 119.54W–.02 5–4 3.8,3.7L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$6.30000×10^{14}
NCEDC Event type se. hypocenter. manual.
NEIC X 18 07 36 12.5–.89 37.045N–.01 117.927W–.01 4–3 2.5L,2.5L
PAS X 18 07 36 13.0–.95 37.053N–.01 117.93W–.01 2–1 2.5L,2.5L **¶621206676**
REN X 18 07 36 13.0–.95 37.036N–.01 117.94W–.01 6–4 2.5L,2.5L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC X 17 13 19 00.7–.78 36.22N–.02 117.87W–.02 9–5 132 0-28
NEIC X 17 13 18 60.0–1.3 36.22N–.01 117.86W–.02 4–4 4.0,3.9L **¶621204857**
IDC X 17 13 18 59.6–1.1 36.24N 117.93W 0 3.3L,3.3b
PAS X 17 13 19 00.7–1.1 36.21N–.01 117.860W–.01 4–4 3.3L,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC X 25 22 17 18.1–.61 38.555N–.01 119.53W–.02 7–1 2.8L,2.7L
REN X 25 22 17 18.6–.88 38.554N–.01 119.53W–.01 6–1 2.8L,2.7L **¶635690392**
NCEDC X 25 22 17 18.7–1.4 38.544N–.01 119.53W–.01 5–2 2.8L,2.7L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.

(41) Southern Nevada.

IDC VII 29 21 52 52.5–701 37.89N 115.77W 0 ¶620984142
IDC Error ellipse: s-maj=318.3km s-min=177.6km az=144.0.

(43) Southern California.

NEIC XI 20 01 39 18.2–1.2 33.985N–.01 116.79W–.01 10–1 3.2L,3.1L
PAS XI 20 01 39 18.8–.92 33.99N–.01 116.79W–.02 12–3 3.2L,3.1L **¶621423326**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC IX 18 02 58 35.6–.59 33.83N–.01 118.25W–.01 14–3 4.3b,3.6s 337 0-146
NEIC IX 18 02 58 33.9–2.3 33.83N–.02 118.20W–.02 10–1 4.4b,4.4L **¶621082842**
NEIC IX 18 02 58 33.4 33.81N 118.29W 18 4.4b,4.4L
PAS IX 18 02 58 34.7–2.6 33.83N–.02 118.26W–.03 12–4 4.4b,4.4L
IDC IX 18 02 58 35.2–.98 33.80N 118.19W 0 3.9b,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=3.1km az=228.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.41 $M_{\theta\theta}$-2.43 $M_{\phi\phi}$2.02 $M_{r\theta}$0.39 $M_{\theta\phi}$-1.35 $M_{\phi r}$-0.09 NP1:ϕ_s299.32000°,δ89.60000°,λ-171.73000°. NP2:ϕ_s209.26000°,δ81.73000° ,λ-0.41000°. Principal axes: T 2.4151,Plg6.0000°,Azm74.0000°; N 0.4260,Plg82.0000° ,Azm302.0000°; P -2.8410,Plg6.0000°,Azm165.0000° $M_0$2.65000×10^{15}
NEIC Event type se.
PAS Event type se. Error ellipse: s-maj=3.4km s-min=2.6km az=59.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=56.0.
NEIC XI 18 08 07 41.2–.70 34.22N–.02 119.74W–.01 5–1 2.6L,2.5L
PAS XI 18 08 07 42.1–.51 34.272N–.01 119.75W–.01 2–1 2.6L,2.5L **¶621414654**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC IX 13 14 59 36.0–.75 34.23N–.01 118.90W–.01 8–4 223 0-35
NEIC IX 13 14 59 35.7–1.6 34.23N–.01 118.91W–.01 5–1 3.6L,3.6 **¶621072360**
PAS IX 13 14 59 36.0–2.1 34.228N–.01 118.898W–.01 2–2 3.6L,3.6
IDC IX 13 14 59 39.7–3.9 34.49N 119.40W 0 3.3b,3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.3km s-min=2.1km az=323.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=1.6km s-min=1.0km az=148.0. hypocenter. manual.
IDC Error ellipse: s-maj=93.5km s-min=28.2km az=113.0.
NEIC IX 21 22 41 29.7–2.1 33.65N–.01 116.703W–.01 10–1 3.5L,3.4
PAS IX 21 22 41 30.4–1.6 33.64N–.01 116.72W–.01 13–3 3.5L,3.4 **¶621094753**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC X 24 14 01 01.8–1.7 34.01N–.02 118.13W–.02 16–4 3.5L
NEIC X 24 14 01 02.2 34.02N 118.20W 18 3.5L **¶621238272**
NEIC X 24 14 01 02.2 34.02N 118.20W 14 3.6
PAS X 24 14 01 02.3–1.4 34.02N–.01 118.20W–.02 17–1 3.6
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$3.34000×10^{14}
PAS Event type se. hypocenter. manual.
ISC VIII 18 21 45 14.5–.76 33.08N–.01 115.95W–.02 17–6 222 0-37
NEIC VIII 18 21 45 13.9–1.2 33.084N–.01 115.97W–.01 5–1 4.0L,4.0 **¶620996744**
NEIC VIII 18 21 45 13.5 33.09N 115.99W 0 4.0L,4.0
PAS VIII 18 21 45 14.6–1.3 33.073N–.01 115.96W–.01 7–3 4.0L,4.0
IDC VIII 18 21 45 16.3–1.6 33.14N 116.02W 0 3.6L,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.7km s-min=1.6km az=338.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.20 $M_{\theta\theta}$-7.59 $M_{\phi\phi}$7.39 $M_{r\theta}$-0.62 $M_{\theta\phi}$-0.68 $M_{\phi r}$1.09 NP1:ϕ_s42.65000°,δ80.93000°,λ3.17000°. NP2:ϕ_s312.15000°,δ86.87000° ,λ170.92000°. Principal axes: T 7.5880,Plg9.0000°,Azm267.0000°; N 0.0764,Plg80.0000° ,Azm113.0000°; P -7.6644,Plg4.0000°,Azm358.0000° $M_0$7.63000×10^{14}
NEIC Event type se.
PAS Event type se. Error ellipse: s-maj=1.4km s-min=1.1km az=53.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=10.7km az=29.0.
NEIC VIII 18 21 50 22.4–.84 33.080N–.01 115.951W–.00 5–1 3.8L,3.8
NEIC VIII 18 21 50 21.9 33.08N 115.95W 1 3.8L,3.8 **¶620996745**
PAS VIII 18 21 50 22.9–.79 33.075N–.00 115.968W–.01 4–2 3.8L,3.8
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}1.15 $M_{\theta\theta}$-4.99 $M_{\phi\phi}$3.84 $M_{r\theta}$-0.79 $M_{\theta\phi}$-1.95 $M_{\phi r}$2.56 NP1:ϕ_s37.18000°,δ67.56000°,λ20.44000°. NP2:ϕ_s299.08000°,δ71.17000° ,λ156.21000°. Principal axes: T 5.7864,Plg30.0000°,Azm257.0000°; N -0.3745,Plg60.0000° ,Azm83.0000°; P -5.4119,Plg2.0000°,Azm349.0000° $M_0$5.61000×10^{14}
NEIC Event type se.
PAS Event type se. hypocenter. manual.
ISC VIII 23 14 57 23.0–.74 33.13N–.01 115.65W–.01 15–4 192 0-11
NEIC VIII 23 14 57 23.2–1.8 33.143N–.00 115.69W–.02 10–1 4.0,3.9L **¶621000836**
PAS VIII 23 14 57 23.6–2.0 33.139N–.01 115.64W–.01 7–1 4.0,3.9L
IDC VIII 23 14 57 23.1–1.7 33.12N 115.66W 0 3.4L,3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.9km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=1.5km s-min=1.1km az=89.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=9.4km az=25.0.
NEIC XII 08 10 28 04.4–1.1 34.204N–.01 117.501W–.01 5–0 3.6,3.4L
PAS XII 08 10 28 04.8–1.1 34.201N–.01 117.507W–.01 5–1 3.6,3.4L **¶621620581**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC XII 09 06 38 13.5–1.3 34.33N–.01 119.44W–.01 10–1 3.5L,3.3L
PAS XII 09 06 38 13.7–1.2 34.32N–.01 119.453W–.01 7–2 3.5L,3.3L **¶621622881**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.

(45) California-Baja California border region.

ISC VIII 07 01 17 15.4–.75 32.33N–.01 115.33W–.01 16–5 173 0-38
ECX VIII 07 01 17 14.5–.47 32.32N 115.33W 8–1 3.9L,3.7 **¶620976028**
NEIC VIII 07 01 17 15.8–2.6 32.30N–.02 115.34W–.01 10–2 3.6L,3.5L
MEX VIII 07 01 17 16.6–.49 32.41N 115.21W 17–5 3.8,3.5L
PAS VIII 07 01 17 16.5–2.0 32.35N–.02 115.30W–.02 20–5 3.8,3.5L
IDC VIII 07 01 17 17.7–2.4 32.28N 115.21W 0 3.1b,3.0
ISC Event type se.
ECX Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0. Moment Tensor Solution. NP1:ϕ_s18.00000° ,δ83.00000°,λ-27.00000°.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.7km az=18.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=12.1km s-min=12.6km az=-1.0. Presumed earthquake.
PAS Event type se. Error ellipse: s-maj=2.8km s-min=1.7km az=205.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.4km s-min=12.4km az=40.0.
ISC IX 17 12 51 58.1–.71 32.38N–.02 115.22W–.01 10–4 179 0-38
ECX IX 17 12 51 56.6–.70 32.38N 115.23W 12–2 3.9L,3.7 **¶621081706**
IDC IX 17 12 51 57.1–2.0 32.24N 115.47W 0 3.5L,3.3b
NEIC IX 17 12 51 57.5–1.6 32.374N–.01 115.21W–.01 7–5 3.8L,3.7
MEX IX 17 12 51 57.9–1.1 32.45N 115.13W 10–7 4.3,3.7
PAS IX 17 12 51 58.3–1.4 32.41N–.04 115.21W–.04 11–8 4.3,3.7
ISC Event type se.
ECX Event type se. Presumed earthquake.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
PAS Event type se. hypocenter. manual.

ISC	**VIII**	**30 23 11 42.3–.76**	**32.59N–.01**	**115.53W–.01**	**13–4**		**184**	**0-4**	
MEX	VIII	30 23 11 41.6–.65	32.66N	115.41W	9–25	3.7			**¶621011388**
NEIC	VIII	30 23 11 42.6–1.7	32.615N–.01	115.53W–.01	10–1	3.8,3.2L			
PAS	VIII	30 23 11 42.9–1.4	32.61N–.01	115.522W–.01	12–3	3.8,3.2L			
ECX	VIII	30 23 11 43.4–.60	32.61N	115.54W	2–1	3.3L,3.0			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=30.9km s-min=21.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.5km az=36.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=2.0km s-min=0.9km az=189.0. hypocenter. manual.
ECX Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.

ECX	**VIII**	**24 05 48 27.3–.51**	**32.32N**	**115.33W**	**8–1**	**2.6L,2.4**			
NEIC	VIII	24 05 48 28.9–1.0	32.324N–.01	115.32W–.01	5–1	2.5L,2.4L			**¶621042323**
PAS	VIII	24 05 48 29.4–1.1	32.35N–.01	115.33W–.01	6–1	2.5L,2.4L			
MEX	VIII	24 05 48 29.6–.74	32.38N	115.22W	17–11	3.6,2.4L			

ECX Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=2.7km s-min=1.7km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=1.8km s-min=1.4km az=195.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=14.2km s-min=16.4km az=-1.0. Presumed earthquake.

ISC	**X**	**23 02 56 39.0–1.4**	**32.05N–.03**	**117.43W–.04**	**15–9**		**142**	**0-6**	
NEIC	X	23 02 56 36.5–1.7	31.96N–.03	117.62W–.03	10–2	3.6L,3.4L			**¶621237734**
PAS	X	23 02 56 39.8–2.6	32.05N–.02	117.45W–.03	6–2	3.6L,3.4L			
MEX	X	23 02 56 41.4–.76	32.08N	117.34W	10	3.9,3.4L			
ECX	X	23 02 56 41.0–.45	32.07N	117.41W	18–2	3.6L,3.0			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.1km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=5.3km s-min=2.9km az=245.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=4.3km s-min=9.2km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=2.2km az=-1.0. Presumed earthquake.

NEIC	**X**	**24 06 49 11.9–1.2**	**32.965N–.01**	**115.899W–.01**	**10–1**	**3.6L,3.2L**			
PAS	X	24 06 49 12.0–.96	32.968N–.01	115.88W–.01	11–5	3.6L,3.2L			**¶621238065**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.

ECX	**XII**	**04 06 50 39.6–.51**	**32.58N**	**115.29W**	**20–2**	**1.5L,1.3**			
									¶622158677

ECX Event type se. Error ellipse: s-maj=2.5km s-min=4.7km az=-1.0. Presumed earthquake.

SEISMIC REGION 4.
Lower California and Gulf of California.

(47) Off west coast of Baja California.

ISC	**X**	**08 14 09 29.6–1.8**	**29.57N–.05**	**116.06W–.07**	**14–10**		**44**	**1-3**	
ECX	X	08 14 09 31.0–.23	29.53N	115.99W	20–5	3.9L			**¶621406908**
MEX	X	08 14 09 33.5–.87	29.64N	116.31W	10–516	4.1			

ISC Event type se.
ECX Event type se. Error ellipse: s-maj=2.4km s-min=4.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=364.5km s-min=260.8km az=-1.0. Presumed earthquake.

(48) Baja California.

ISC	**VII**	**16 00 29 59.3–1.4**	**29.93N–.05**	**114.07W–.05**	**9–11**	**3.6s**	**37**	**0-52**	
IDC	VII	16 00 29 55.1–2.5	29.53N	114.18W	0	3.7s,3.4L			**¶620928671**
ECX	VII	16 00 29 59.5–.26	29.91N	114.07W	19–5	3.7L,3.4L			
MEX	VII	16 00 30 00.8–.31	29.98N	113.98W	18–13	4.1,3.4L			

ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=11.9km az=28.0.
ECX Error ellipse: s-maj=4.9km s-min=2.4km az=-1.0.
MEX Event type se. Error ellipse: s-maj=6.0km s-min=10.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**18 08 08 51.3–1.3**	**27.88N–.03**	**112.01W–.03**	**1–11**		**39**	**1-15**	
IDC	VII	18 08 08 54.3–2.7	27.65N	111.86W	0	3.3L,3.3			**¶620928808**
MEX	VII	18 08 08 56.1–.48	27.94N	112.03W	4–5	4.1,3.3			

ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=13.8km az=18.0.
MEX Event type se. Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**18 09 45 36.7–1.3**	**29.97N–.07**	**114.11W–.04**	**13–12**		**27**	**0-3**	
ECX	VII	18 09 45 37.9–.41	30.00N	114.18W	12–5	2.8L			**¶621023851**
MEX	VII	18 09 45 37.8–.97	29.94N	114.14W	6–8	3.8			

ISC Event type se.
ECX Error ellipse: s-maj=2.5km s-min=3.3km az=-1.0.
MEX Event type se. Error ellipse: s-maj=12.6km s-min=25.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**18 15 46 30.4–1.1**	**29.99N–.04**	**114.07W–.03**	**11–10**		**30**	**0-4**	
ECX	VII	18 15 46 32.3–.35	30.00N	114.14W	8–5	3.1L			**¶621023855**
MEX	VII	18 15 46 34.3–.78	30.02N	113.96W	16–999	3.9			

ISC Event type se.
ECX Error ellipse: s-maj=1.7km s-min=2.3km az=-1.0.
MEX Event type se. Error ellipse: s-maj=25.7km s-min=39.8km az=-1.0. Presumed earthquake.

ISC	**VII**	**18 21 46 16.6–1.1**	**29.98N–.03**	**114.18W–.03**	**14–10**		**30**	**0-4**	
ECX	VII	18 21 46 18.4–.25	29.98N	114.12W	12–3	3.1L			**¶621023857**
MEX	VII	18 21 46 18.3–.82	29.77N	114.50W	6–8	3.7			

ISC Event type se.
ECX Error ellipse: s-maj=1.7km s-min=2.1km az=-1.0.
MEX Event type se. Error ellipse: s-maj=8.8km s-min=13.6km az=-1.0. Presumed earthquake.

ECX	**VIII**	**06 08 55 25.6–.32**	**29.91N**	**114.92W**	**5–5**	**1.8L**			
MEX	VIII	06 08 55 26.7–.49	31.02N	116.85W	5	3.4			**¶621049374**

ECX Error ellipse: s-maj=4.3km s-min=3.1km az=-1.0.
MEX Event type se. Error ellipse: s-maj=6.7km s-min=10.2km az=-1.0. Presumed earthquake.

ISC	**IX**	**24 19 18 58.5–.83**	**31.50N–.02**	**115.65W–.02**	**14–7**		**113**	**0-6**	
NEIC	IX	24 19 18 57.7–1.6	31.45N–.02	115.63W–.03	24–10	3.4L,3.0L			**¶621109783**
PAS	IX	24 19 18 59.0–1.9	31.47N–.02	115.65W–.02	16–7	3.4L,3.0L			
ECX	IX	24 19 18 59.2–.39	31.49N	115.62W	10–5	3.4L,3.1			
MEX	IX	24 19 18 59.8–1.2	31.36N	115.65W	19–13	3.8,3.1			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=1.4km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=3.5km s-min=2.7km az=210.0. hypocenter. manual.
ECX Event type se. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.6km s-min=8.3km az=-1.0. Presumed earthquake.

ISC	**XI**	**28 05 44 20.6–.94**	**31.46N–.02**	**115.67W–.02**	**16–8**		**159**	**0-5**	
NEIC	XI	28 05 44 21.5–1.5	31.475N–.01	115.68W–.02	10–2	3.6L,3.2L			**¶621480582**
PAS	XI	28 05 44 21.9–1.4	31.48N–.02	115.67W–.02	12–7	3.6L,3.2L			
ECX	XI	28 05 44 22.2–.49	31.49N	115.65W	6–2	3.6L,3.2			
MEX	XI	28 05 44 22.8–1.2	31.42N	115.62W	10–9	4.0,3.2			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.9km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=2.9km s-min=2.4km az=57.0. hypocenter. manual.
ECX Event type se. Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.4km s-min=6.5km az=-1.0. Presumed earthquake.

ISC	**XI**	**11 03 14 55.6–1.1**	**29.31N–.07**	**114.08W–.08**	**10**		**53**	**1-20**	
NEIC	XI	11 03 14 55.6–1.7	29.23N–.08	114.01W–.09	10–2	4.1b			**¶622084024**
MEX	XI	11 03 14 58.7–.67	29.63N	113.76W	21–999	3.2			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=8.3km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=26.9km s-min=39.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**14 06 36 13.6–.97**	**31.70N–.02**	**115.02W–.02**	**12–8**		**120**	**0-10**	
NEIC	XII	14 06 36 12.3–1.3	31.71N–.03	114.95W–.04	10–2	3.9L,3.8L			**¶621629145**
ECX	XII	14 06 36 13.2–.51	31.67N	115.08W	10–3	4.0L,3.8			
MEX	XII	14 06 36 15.8–.46	31.64N	115.08W	10–2	4.1,3.8			
PAS	XII	14 06 36 15.3–3.8	31.70N–.03	115.05W–.04	5–1	4.1,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
PAS Event type se. hypocenter. manual.

ISC	**XI**	**29 15 19 28.6–.84**	**31.51N–.02**	**115.68W–.02**	**15–6**		**87**	**0-4**	
NEIC	XI	29 15 19 28.7–1.5	31.47N–.01	115.70W–.02	10–2	3.7L,3.3L			**¶621494349**
PAS	XI	29 15 19 29.5–2.0	31.48N–.01	115.67W–.02	11–8	3.7L,3.3L			
ECX	XI	29 15 19 29.6–.49	31.50N	115.64W	5–2	3.6L,3.4			
MEX	XI	29 15 19 29.4–1.4	31.44N	115.63W	6–9	3.9,3.4			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=2.4km s-min=1.9km az=67.0. hypocenter. manual.
ECX Event type se. Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.2km s-min=7.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**15 14 30 45.3–1.2**	**31.68N–.03**	**115.07W–.04**	**15–8**		**31**	**0-1**	
ECX	XII	15 14 30 46.6–.44	31.67N	115.09W	0–2	2.5L,2.3			**¶622158800**
MEX	XII	15 14 30 46.8–.70	31.63N	115.02W	10–9	3.6,2.3			

ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.0km s-min=10.0km az=-1.0. Presumed earthquake.

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ISC	**VII**	**07 03 12 45.3–1.3**	**30.16N–.03**	**114.20W–.04**	**8–12**		**27**	**0-2**	
ECX	VII	07 03 12 47.7–.27	30.13N	114.25W	2–3	2.6L			**¶621023780**
MEX	VII	07 03 12 49.4–.35	30.17N	114.14W	10	3.8			

ISC Event type se.
ECX Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0.
MEX Event type se. Error ellipse: s-maj=4.7km s-min=8.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**11 23 49 28.1–1.1**	**30.01N–.04**	**113.93W–.04**	**31–18**		**20**	**0-2**	
ECX	VII	11 23 49 29.8–.35	30.09N	113.94W	3–5	3.0L			**¶621023803**
MEX	VII	11 23 49 30.1–.54	29.93N	113.98W	10	3.8			

ISC Event type se.
ECX Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0.
MEX Event type se. Error ellipse: s-maj=7.9km s-min=14.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**18 09 39 11.1–1.4**	**30.01N–.06**	**114.07W–.04**	**14–11**		**26**	**0-3**	
ECX	VII	18 09 39 12.6–.30	30.00N	114.13W	10–5	2.5L			**¶621023850**
MEX	VII	18 09 39 14.1–.70	30.02N	114.08W	8	3.5			

ISC Event type se.
ECX Error ellipse: s-maj=1.9km s-min=2.8km az=-1.0.
MEX Event type se. Error ellipse: s-maj=4.5km s-min=7.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**18 18 40 51.0–3.4**	**29.94N–.06**	**113.77W–.05**	**14–24**	**3.2s**	**21**	**1-42**	
IDC	VII	18 18 40 50.9–2.4	29.68N	114.15W	0	3.4L,3.3b			**¶620928841**
MEX	VII	18 18 40 50.6–.30	29.85N	113.72W	10	4.1,3.3b			

ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=13.2km az=26.0.
MEX Event type se. Error ellipse: s-maj=5.6km s-min=4.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**24 19 33 00.4–1.8**	**30.69N–.04**	**114.15W–.03**	**13–15**		**23**	**1-4**	
ECX	VII	24 19 33 02.3–.32	30.74N	114.20W	1–3	3.8L			**¶621023887**
MEX	VII	24 19 33 13.6–3.2	31.13N	115.13W	10	4.3			

ISC Event type se.
ECX Error ellipse: s-maj=2.8km s-min=1.5km az=-1.0.
MEX Event type se. Error ellipse: s-maj=52.3km s-min=88.2km az=-1.0. Presumed earthquake.

IDC	**VII**	**27 09 01 41.1–1.5**	**25.63N**	**109.82W**	**0**	**3.2L,2.8**			
									¶620978954

IDC Error ellipse: s-maj=25.0km s-min=12.7km az=121.0.

ISC	**VII**	**25 03 38 57.6–1.2**	**23.85N–.03**	**108.79W–.03**	**19–4**	**5.3b,5.1s**	**534**	**1-144**	
IDC	VII	25 03 38 54.1–.48	23.87N	108.69W	0	4.9s,4.6b			**¶620845822**
MOS	VII	25 03 38 54.9–.90	23.92N	108.62W	11	5.3b,5.1s			
BJI	VII	25 03 38 55.8	23.90N	108.70W	10	5.9b,5.6s			
NEIC	VII	25 03 38 56.8–2.1	23.88N–.08	108.66W–.08	9–3	5.3b,5.6s			
NEIC	VII	25 03 38 57.8	23.90N	108.61W	11	5.3b,5.6s			
GFZ	VII	25 03 38 57.7	23.87N	108.68W	16	5.4W,5.6s			
MEX	VII	25 03 38 57.0–.91	23.98N	108.78W	18–45	5.3,5.6s			
GFZ	VII	25 03 38 58.2–.49	24N–5.0	109W–5.0	10	5.0,4.9b			
GCMT	VII	25 03 38 59.0–.10	23.90N–.01	108.73W–.01	13–0	5.4W,4.9b			
NEIC	VII	25 03 39 10.6	23.90N	108.61W	12	5.4,4.9b			

ISC Event type se.
IDC Error ellipse: s-maj=11.9km s-min=10.3km az=79.0.
MOS Error ellipse: s-maj=10.3km s-min=5.9km az=96.6.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.3km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.16 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$1.17 $M_{r\theta}$-0.49 $M_{\theta\phi}$-0.17 $M_{\phi r}$-0.16 NP1: ϕ_s132.49248°,δ72.79405°,λ-173.27377°. NP2:ϕ_s40.49443°,δ83.57608°,λ-17.31808°. Principal axes: T 1.2014,Plg7.4727°,Azm87.5856°; N 0.2956,Plg71.5632°,Azm200.7555° ; P -1.4970,Plg16.7551°,Azm355.3224° $M_0$1.37328×10^{17}
MEX Event type se. Error ellipse: s-maj=5.6km s-min=3.3km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107250338A. Moment Tensor Solution. s106,c176; s147,c303;Duration: 1s^2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.02 $M_{\theta\theta}$-1.48±.02; $M_{\phi\phi}$1.57±.02; $M_{r\theta}$-0.55±.05; $M_{\theta\phi}$-0.19±.01; $M_{\phi r}$-0.19±.04; Best double couple: NP1: ϕ_s133.00000°,δ72.00000°,λ-170.00000°. NP2:ϕ_s40.00000°,δ81.00000°,λ-18.00000°. Principal axes: T 1.5970,Plg6.0000°,Azm88.0000°; N 0.0930,Plg70.0000°,Azm193.0000° ; P -1.6890,Plg19.0000°,Azm355.0000° $M_0$1.64300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s^6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$1.49 $M_{r\theta}$-0.04 $M_{\theta\phi}$-0.19 $M_{\phi r}$0.72 NP1:ϕ_s309.13000°,δ74.86000° ,λ165.07000°. NP2:ϕ_s43.11000°,δ75.60000°,λ15.64000°. Principal axes: T 1.7800,Plg21.0000°,Azm266.0000°; N -0.3678,Plg69.0000°,Azm85.0000° ; P -1.4122,Plg1.0000°,Azm176.0000° $M_0$1.63000×10^{17}

ISC	**VII**	**25 04 25 55.9–.42**	**23.91N–.04**	**108.74W–.04**	**10**	**4.6b,4.4s**	**165**	**1-105**	
IDC	VII	25 04 25 53.6–.90	23.86N	108.66W	0	4.3s,4.1b			**¶620845823**
GFZ	VII	25 04 25 56.6–.29	24N–3.0	109W–4.0	10	4.4b,4.4			
MEX	VII	25 04 25 56.5–.80	23.88N	108.78W	15–10	4.5,4.4			
NEIC	VII	25 04 25 57.2–2.1	23.90N–.10	108.66W–.10	10–1	4.6b,4.4			
GCMT	VII	25 04 25 59.9–.20	23.91N–.01	108.73W–.01	16–1	5.0W,4.4			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107250425A. Moment Tensor Solution. s38,c42; s117,c191; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.37±.10 $M_{\theta\theta}$-3.71±.09; $M_{\phi\phi}$4.08±.10; $M_{r\theta}$-1.53±.29; $M_{\theta\phi}$-0.94±.08; $M_{\phi r}$0.29±.23; Best double couple: NP1:ϕ_s36.00000°,δ71.00000° ,λ-10.00000°. NP2:ϕ_s130.00000°,δ80.00000°,λ-161.00000°. Principal axes: T 4.2440,Plg6.0000°,Azm262.0000°; N 0.1290,Plg69.0000°,Azm156.0000° ; P -4.3770,Plg20.0000°,Azm354.0000° $M_0$4.31100×10^{16}

ISC	**VIII**	**01 15 05 36.0–1.1**	**27.68N–.04**	**111.61W–.03**	**30–12**		**27**	**1-15**	
IDC	VIII	01 15 05 26.4–4.1	27.64N	111.81W	0	4.0L,3.0			**¶620986223**
MEX	VIII	01 15 05 37.9–.32	27.70N	111.59W	10	4.1,3.0			

ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=18.3km az=17.0.
MEX Event type se. Error ellipse: s-maj=4.8km s-min=2.7km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 21 07 56.0–.91**	**27.55N–.06**	**111.50W–.04**	**10**		**17**	**1-15**	
IDC	VII	31 21 07 55.3–3.8	27.57N	111.36W	0	3.2L,3.2			**¶620986151**
MEX	VII	31 21 07 57.9–.83	27.54N	111.48W	10	4.3,3.2			

ISC Event type se.
IDC Error ellipse: s-maj=48.5km s-min=15.8km az=12.0.
MEX Event type se. Error ellipse: s-maj=5.5km s-min=3.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**28 00 23 58.9–2.1**	**25.62N–.04**	**109.89W–.05**	**6–13**	**4.2b,3.8s**	**194**	**1-100**	

IDC VII 28 00 23 56.8–1.1 25.50N 109.76W 0 3.9b,3.8 **¶620857178**
MEX VII 28 00 23 59.9–.64 25.78N 110.09W 13–14 4.6,3.8
GFZ VII 28 00 24 00.2–.47 26N–5.0 110W–5.0 10 4.1b,4.1
NEIC VII 28 00 24 02.6–2.4 25.93N–.06 109.81W–.05 10–1 4.6,4.2b
ISC Event type se.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 31 15 39 20.9–.60 27.54N–.02 111.44W–.02 4–3 5.3s,5.0b 509 1-143
MEX VII 31 15 39 18.3–.58 27.57N 111.43W 10 5.5,5.0b **¶620925370**
NEIC VII 31 15 39 20.9–2.5 27.59N–.06 111.50W–.04 10–1 5.5,5.4
NEIC VII 31 15 39 20.9 27.59N 111.50W 10 5.5,5.4
IDC VII 31 15 39 21.9–.44 27.79N 111.18W 0 5.1s,4.8b
PTWC VII 31 15 39 21 27.60N 111.50W 10 5.6,4.8b
NEIC VII 31 15 39 21 27.62N 111.51W 10 5.6,4.8b
NEIC VII 31 15 39 21.6 27.54N 111.52W 10 5.6,4.8b
MOS VII 31 15 39 22.7–1.3 27.82N 111.30W 11 5.5s,5.3b
GFZ VII 31 15 39 23.1–.15 28N–2.0 111W–3.0 10 5.1b,5.0
GFZ VII 31 15 39 23.1 27.55N 111.38W 16 5.5W,5.0
GCMT VII 31 15 39 24.1–.10 27.71N–.01 111.51W–.01 15–0 5.5W,5.0
NEIC VII 31 15 39 30.2 27.54N 111.52W 12 5.5,5.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.1km az=346.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.18 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$1.38 $M_{r\theta}$0.17 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.40 NP1:ϕ_s37.29000°,δ89.42000°,λ17.44000°. NP2:ϕ_s307.11000°,δ72.56000° ,λ179.39000°. Principal axes: T 1.5110,Plg13.0000°,Azm264.0000°; N -0.2214,Plg73.0000° ,Azm39.0000°; P -1.2897,Plg12.0000°,Azm171.0000° $M_0$1.41000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$1.53 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.48 $M_{\phi r}$-0.43 NP1:ϕ_s216.97000°,δ80.49000°,λ10.27000°. NP2:ϕ_s125.26000°,δ79.88000° ,λ170.34000°. Principal axes: T 1.7116,Plg14.0000°,Azm81.0000°; N -0.1567,Plg76.0000° ,Azm259.0000°; P -1.5550,Plg0.0000°,Azm351.0000° $M_0$1.64000×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=12.5km s-min=8.6km az=66.0.
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=10.9km s-min=6.8km az=105.4.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39 $M_{\theta\theta}$-1.65 $M_{\phi\phi}$2.04 $M_{r\theta}$-1.18 $M_{\theta\phi}$-0.58 $M_{\phi r}$-0.34 NP1: ϕ_s130.68017°,δ65.69399°,λ-160.38445°. NP2:ϕ_s32.33476°,δ72.18466°,λ-25.61627°. Principal axes: T 2.1393,Plg4.2847°,Azm82.5883°; N 0.3193,Plg59.1453°,Azm179.7927° ; P -2.4587,Plg30.4902°,Azm350.0598° $M_0$2.31555×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107311539A. Moment Tensor Solution. s121,c197; s161,c334;Duration: 1$\ast$4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.02 $M_{\theta\theta}$-2.28±.03; $M_{\phi\phi}$2.54±.03; $M_{r\theta}$-0.24±.05; $M_{\theta\phi}$-0.73±.02; $M_{\phi r}$0.10±.05; Best double couple: NP1:ϕ_s36.00000° ,δ84.00000°,λ-2.00000°. NP2:ϕ_s127.00000°,δ88.00000°,λ-174.00000°. Principal axes: T 2.6540,Plg3.0000°,Azm261.0000°; N -0.2430,Plg84.0000°,Azm147.0000° ; P -2.4110,Plg6.0000°,Azm352.0000° $M_0$2.53300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3$\ast$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07 $M_{\theta\theta}$-2.32 $M_{\phi\phi}$2.39 $M_{r\theta}$-0.28 $M_{\theta\phi}$-0.76 $M_{\phi r}$0.72 NP1:ϕ_s37.06000°,δ76.27000° ,λ7.89000°. NP2:ϕ_s305.18000°,δ82.33000°,λ166.14000°. Principal axes: T 2.7119,Plg15.0000°,Azm261.0000°; N -0.2620,Plg74.0000°,Azm97.0000° ; P -2.4499,Plg4.0000°,Azm352.0000° $M_0$2.59000×10^{17}
ISC VIII 08 08 28 01.2–1.5 26.61N–.03 111.01W–.03 17–11 3.2s 40 0-54
IDC VIII 08 08 27 48.5–1.8 25.43N 111.30W 0 3.5b,3.4 **¶621002120**
MEX VIII 08 08 28 03.3–1.6 26.69N 110.88W 14–18 4.4,3.4
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=19.4km az=38.0.
MEX Event type se. Error ellipse: s-maj=7.1km s-min=7.2km az=-1.0. Presumed earthquake.
ISC VIII 06 11 55 55.9–2.2 25.08N–.05 109.73W–.04 4–15 29 1-46
IDC VIII 06 11 55 55.9–2.0 24.68N 109.09W 0 3.5L,3.5b **¶620998896**
MEX VIII 06 11 55 58.4–.83 25.02N 109.55W 15 4.0,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=12.1km az=142.0.
MEX Event type se. Error ellipse: s-maj=65.0km s-min=94.3km az=-1.0. Presumed earthquake.
ISC VIII 08 01 42 20.5–1.1 26.72N–.02 110.85W–.03 27–12 32 1-44
IDC VIII 08 01 42 25.8–1.3 26.79N 110.62W 0 3.5L,3.2b **¶621002104**
MEX VIII 08 01 42 26.1–.52 26.74N 110.92W 10 4.2,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=14.7km az=112.0.
MEX Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=-1.0. Presumed earthquake.
ISC VIII 23 02 58 41.8–1.3 25.13N–.03 109.45W–.03 2–8 4.5b,4.3s 239 1-121
IDC VIII 23 02 58 42.2–.73 25.04N 109.00W 0 4.3s,3.9 **¶620999720**
NEIC VIII 23 02 58 44.9–2.0 25.12N–.09 109.31W–.07 10–1 4.7,4.4b
MEX VIII 23 02 58 44.4–1.5 25.25N 109.39W 10 4.6,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=12.3km az=92.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=9.0km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.5km s-min=6.5km az=-1.0. Presumed earthquake.
ISC VIII 27 09 01 24.9–1.2 30.08N–.03 114.32W–.03 4–10 3.0s 49 0-78
ECX VIII 27 09 01 25.5–.23 30.00N 114.36W 0–5 3.5L **¶621042342**
IDC VIII 27 09 01 25.6–2.6 29.79N 114.49W 0 4.0b,3.5L
MEX VIII 27 09 01 26.4–.41 30.05N 114.29W 10–6 4.3,3.5L
ISC Event type se.
ECX Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=37.6km s-min=13.9km az=38.0.
MEX Event type se. Error ellipse: s-maj=2.7km s-min=4.0km az=-1.0. Presumed earthquake.
ISC VIII 24 11 46 31.1–1.1 25.20N–.03 109.36W–.03 16–8 3.4s 43 0-58
IDC VIII 24 11 46 30.8–1.2 25.29N 109.20W 0 3.5L,3.4 **¶621042324**
MEX VIII 24 11 46 34.1–1.2 25.22N 109.17W 5 4.4,3.4
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=12.1km az=125.0.
MEX Event type se. Error ellipse: s-maj=6.8km s-min=5.3km az=-1.0. Presumed earthquake.
ISC IX 06 16 59 52.3–1.5 30.72N–.04 114.10W–.03 16–12 31 1-3
ECX IX 06 16 59 53.4–.25 30.71N 114.07W 19–5 3.3L **¶621401564**
MEX IX 06 16 59 54.3–.80 30.72N 114.18W 11–10 3.9
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.9km s-min=6.3km az=-1.0. Presumed earthquake.
ISC IX 11 09 20 11.6–1.3 23.30N–.09 108.49W–.04 10 18 2-19
IDC IX 11 09 20 11.4–5.7 23.26N 108.48W 0 3.7L,3.2 **¶621108575**
MEX IX 11 09 20 17.4–.34 23.59N 108.49W 8–14 4.1,3.2
ISC Event type se.
IDC Error ellipse: s-maj=76.2km s-min=20.2km az=155.0.
MEX Event type se. Error ellipse: s-maj=8.6km s-min=4.0km az=-1.0. Presumed earthquake.
ISC IX 16 12 03 46.8–1.3 23.1N–.10 108.49W–.09 10 4.1b,3.6s 63 2-100
IDC IX 16 12 03 35.3–3.1 23.11N 108.38W 0 4.1b,3.5L **¶621080773**
MEX IX 16 12 03 42.1–.53 23.91N 108.65W 4–7 4.4,3.5L
NEIC IX 16 12 03 46.7–2.6 23.02N–.02 108.7W–.10 10–2 4.4,4.2b
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 16 12 18 17.8–1.2 23.85N–.07 108.63W–.04 19 20 2-19
IDC IX 16 12 18 14.1–3.8 23.76N 108.62W 0 3.5L,3.2 **¶625693719**
MEX IX 16 12 18 18.6–.51 23.74N 108.63W 17–11 4.2,3.2
ISC Event type se.
IDC Error ellipse: s-maj=43.0km s-min=14.1km az=159.0.
MEX Event type se. Error ellipse: s-maj=11.5km s-min=3.3km az=-1.0. Presumed earthquake.
ECX IX 18 19 23 02.7–.27 30.76N 114.10W 15–5 3.1L
MEX IX 18 19 23 02.2–.82 30.78N 114.14W 10 3.9 **¶625693962**

ECX Event type se. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=21.0km s-min=12.7km az=-1.0. Presumed earthquake.
ISC IX 17 13 05 59.0–1.2 30.73N–.03 114.13W–.03 26–15 32 1-3
MEX IX 17 13 05 59.7–.82 30.78N 114.32W 3–7 4.0 **¶621401672**
ECX IX 17 13 06 00.0–.33 30.77N 114.15W 5–3 3.4L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=15.6km s-min=18.5km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.9km s-min=1.4km az=-1.0. Presumed earthquake.
ISC IX 27 17 43 46.1–1.2 30.82N–.04 114.19W–.03 23–14 28 1-3
MEX IX 27 17 43 45.5–.52 30.78N 114.13W 10 4.0 **¶621401741**
ECX IX 27 17 43 46.5–.32 30.81N 114.15W 20–5 3.5L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=11.6km s-min=15.3km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0. Presumed earthquake.
ISC IX 26 17 52 02.1–1.1 30.04N–.03 114.32W–.03 8–10 36 0-4
ECX IX 26 17 52 03.5–.33 29.96N 114.40W 8–5 3.2L **¶621401722**
MEX IX 26 17 52 04.4–.45 30.03N 114.39W 4–3 4.0
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.3km s-min=5.3km az=-1.0. Presumed earthquake.
ISC IX 24 08 14 25.9–1.6 23.29N–.10 107.99W–.07 10 18 1-49
IDC IX 24 08 14 26.4–4.2 23.39N 107.55W 0 3.4L,3.4b **¶621126416**
MEX IX 24 08 14 26.6–.38 23.27N 108.07W 16–23 4.2,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=65.2km s-min=23.0km az=140.0.
MEX Event type se. Error ellipse: s-maj=16.0km s-min=19.3km az=-1.0. Presumed earthquake.
ISC IX 27 03 20 12.4–1.2 30.75N–.04 114.21W–.02 6–11 30 1-3
ECX IX 27 03 20 15.3–.26 30.78N 114.16W 20–5 2.9L **¶621401726**
MEX IX 27 03 20 15.1–.54 30.78N 114.27W 4–4 3.9
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.8km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.2km s-min=10.0km az=-1.0. Presumed earthquake.
ISC IX 18 18 15 24.7–1.7 30.78N–.04 114.14W–.04 13–13 27 1-3
ECX IX 18 18 15 27.4–.28 30.74N 114.14W 18–5 3.5L **¶621401679**
MEX IX 18 18 15 29.6–.39 30.83N 114.29W 17–284 4.0
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=130.4km s-min=233.0km az=-1.0. Presumed earthquake.
ISC IX 23 16 47 06.8–.77 23.06N–.04 108.04W–.04 9–4 5.1b 558 1-131
MEX IX 23 16 47 03.0–.61 22.71N 108.26W 15–18 5.2 **¶621108658**
IDC IX 23 16 47 05.8–.61 23.00N 108.11W 0 4.5b,4.4
MOS IX 23 16 47 05.5–1.2 23.11N 108.01W 8 5.4b,4.4
PTWC IX 23 16 47 06 22.80N 108.00W 5.8,4.4
NEIC IX 23 16 47 07.3–2.1 23.08N–.04 108.03W–.05 10–1 5.2,5.2b
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 13 31 30.7–1.1 30.79N–.03 114.19W–.02 9–9 36 1-3
ECX IX 26 13 31 31.4–.30 30.81N 114.14W 2–2 3.3L **¶621401718**
MEX IX 26 13 31 32.3–.40 30.70N 114.33W 6–3 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=-1.0. Presumed earthquake.
ISC IX 27 18 17 49.0–1.4 30.82N–.05 114.15W–.03 8–13 30 1-3
MEX IX 27 18 17 51.3–.58 30.82N 114.22W 4–7 4.0 **¶621401744**
ECX IX 27 18 17 52.7–.52 30.81N 114.18W 16–5 3.4L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.3km s-min=16.2km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0. Presumed earthquake.
ISC X 29 04 29 17.0–3.2 30.31N–.03 113.91W–.03 11–24 33 1-3
ECX X 29 04 29 19.6–.28 30.30N 113.93W 20–5 3.2L **¶621405010**
MEX X 29 04 29 20.2–.47 30.41N 113.98W 10 3.9
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.8km s-min=9.0km az=-1.0. Presumed earthquake.
IDC X 01 01 30 24.4–5.3 24.07N 108.86W 0 3.5L,3.3b ¶621147800
IDC Error ellipse: s-maj=84.8km s-min=22.0km az=151.0.
ISC X 01 01 34 56.8–1.7 25.2N–.10 109.49W–.08 17 3.0s 13 1-58
IDC X 01 01 34 54.1–4.4 24.97N 109.26W 0 3.6b,3.4 **¶621147802**
MEX X 01 01 34 56.2–.64 25.33N 109.83W 10 3.9,3.4
ISC Event type se.
IDC Error ellipse: s-maj=62.2km s-min=19.6km az=162.0.
MEX Event type se. Error ellipse: s-maj=9.9km s-min=11.8km az=-1.0. Presumed earthquake.
ISC IX 30 20 01 57.8–2.0 25.25N–.07 109.93W–.04 11–13 3.2s 26 1-46
IDC IX 30 20 02 00.1–4.3 25.49N 109.65W 0 3.1L,3.1 **¶621147782**
MEX IX 30 20 02 01.5–.39 25.29N 109.91W 15–16 4.0,3.1
ISC Event type se.
IDC Error ellipse: s-maj=61.1km s-min=17.8km az=169.0.
MEX Event type se. Error ellipse: s-maj=9.9km s-min=9.8km az=-1.0. Presumed earthquake.
ISC IX 30 20 32 58.1–.62 25.41N–.06 109.87W–.03 10 4.4b,4.2s 227 1-100
MEX IX 30 20 32 56.1–.62 25.21N 109.89W 21–671 4.1,4.2s **¶621147785**
IDC IX 30 20 32 56.1–1.9 25.48N 109.80W 0 4.2s,3.9b
NEIC IX 30 20 33 01.2–2.5 25.56N–.06 109.67W–.08 10–1 4.3b,3.9b
GCMT IX 30 20 33 01.9–.30 25.37N–.01 109.83W–.01 12 4.9W,3.9b
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109302032A. Moment Tensor Solution. s35,c35; s112,c181; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.07 $M_{\theta\theta}$-2.70±.06; $M_{\phi\phi}$2.98±.06; $M_{r\theta}$-1.00±.21; $M_{\theta\phi}$0.30±.07; $M_{\phi r}$0.43±.20; Best double couple: NP1:ϕ_s46.00000°,δ71.00000° ,λ-10.00000°. NP2:ϕ_s140.00000°,δ81.00000°,λ-161.00000°. Principal axes: T 3.0410,Plg7.0000°,Azm272.0000°; N 0.0500,Plg69.0000°,Azm164.0000° ; P -3.0900,Plg20.0000°,Azm4.0000° $M_0$3.06600×10^{16}
ISC IX 30 20 39 02.8–2.0 25.44N–.08 109.96W–.04 15–15 29 1-46
MEX IX 30 20 39 05.1–.85 25.42N 109.88W 21–636 3.9 **¶621147786**
IDC IX 30 20 39 05.5–2.1 25.60N 109.51W 0 3.6,3.4L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=11.2km s-min=13.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.8km s-min=17.4km az=173.0.
ISC IX 30 20 40 55.9–2.0 25.43N–.09 109.77W–.06 15–12 17 1-46
MEX IX 30 20 40 55.6–.65 25.33N 109.87W 20–21 3.9 **¶621147787**
GCMT IX 30 20 40 56.0 25.25N 109.75W 10 4.9s
IDC IX 30 20 40 56.1–2.3 25.49N 109.51W 0 3.7L,3.6
GCMT IX 30 20 40 59.4–.60 25.29N–.03 109.89W–.03 12 4.7W,3.6
ISC Event type se.
MEX Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202109302040A. Moment Tensor Solution. s7,c7; s76,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.21±.08 $M_{\theta\theta}$-1.54±.06; $M_{\phi\phi}$1.33±.07; $M_{r\theta}$-0.50±.21; $M_{\theta\phi}$0.09±.07; $M_{\phi r}$0.17±.21; Best double couple: NP1:ϕ_s46.00000°,δ73.00000°,λ-5.00000°. NP2:ϕ_s137.00000°,δ85.00000°,λ-163.00000°. Principal axes: T 1.3560,Plg8.0000°,Azm270.0000°; N 0.3250,Plg73.0000°,Azm152.0000° ; P -1.6790,Plg15.0000°,Azm3.0000° $M_0$1.51700×10^{16}
ISC IX 30 20 46 50.9–2.0 25.38N–.08 109.92W–.04 5–14 27 1-89
MEX IX 30 20 46 52.9–.70 25.34N 109.91W 22–999 4.0 **¶621147790**
IDC IX 30 20 46 53.2–2.2 25.55N 109.59W 0 3.6s,3.5b
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.6km s-min=13.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=29.2km s-min=18.1km az=176.0.
ISC IX 30 21 27 44.3–.54 25.47N–.05 109.62W–.04 11 4.5s,4.3b 179 1-123
MEX IX 30 21 27 42.7–.88 25.38N 109.78W 19–20 4.2,4.3b **¶621113748**
IDC IX 30 21 27 43.5–.92 25.67N 109.51W 0 4.4s,3.9b
NEIC IX 30 21 27 45.3–2.0 25.45N–.07 109.44W–.08 10–1 4.4b,4.2
GCMT IX 30 21 27 45.8–.20 25.31N–.01 109.86W–.01 12 5.2W,4.2
ISC Event type se.
MEX Event type se. Presumed earthquake.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109302127A. Moment Tensor Solution. s72,c99; s137,c245; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.29±.09 $M_{\theta\theta}$-6.30±.08; $M_{\phi\phi}$6.59±.08; $M_{r\theta}$-2.22±.25; $M_{\theta\phi}$-0.26±.09; $M_{\phi r}$0.27±.24; Best double couple: NP1:ϕ_s42.00000°,δ75.00000°,λ-11.00000°. NP2:ϕ_s135.00000°,δ79.00000°,λ-165.00000°. Principal axes: T 6.6110,Plg3.0000°,Azm268.0000°; N 0.4190,Plg72.0000°,Azm170.0000°; P -7.0330,Plg18.0000°,Azm359.0000° M_o6.82200×10^{16}

IDC	**IX**	**30 21 38 07.8–4.8**	**25.25N**	**109.43W**	**0**	**3.4L,3.4b**			
									¶621147792
IDC		Error ellipse: s-maj=67.3km s-min=22.8km az=164.0.							
ISC	**IX**	**30 21 47 07.2–1.2**	**25.22N–.08**	**109.98W–.03**	**10**		**25**	**1-18**	
IDC	IX	30 21 47 11.3–5.5	25.14N	109.25W	0	3.5L,3.0			**¶621147793**
MEX	IX	30 21 47 12.1–.36	25.19N	109.73W	14–29	4.0,3.0			
ISC		Event type se.							
IDC		Error ellipse: s-maj=67.1km s-min=22.6km az=169.0.							
MEX		Event type se. Error ellipse: s-maj=11.3km s-min=24.8km az=-1.0. Presumed earthquake.							
ISC	**X**	**21 05 49 39.6–1.2**	**31.28N–.03**	**114.39W–.02**	**6–11**		**40**	**0-4**	
ECX	X	21 05 49 40.9–.35	31.33N	114.36W	16–4	3.6L			**¶621235430**
MEX	X	21 05 49 41.4–.73	31.25N	114.42W	10	4.2			
ISC		Event type se.							
ECX		Event type se. Error ellipse: s-maj=2.5km s-min=1.4km az=-1.0. Presumed earthquake.							
MEX		Event type se. Error ellipse: s-maj=6.3km s-min=11.0km az=-1.0. Presumed earthquake.							
ISC	**X**	**26 07 46 19.6–1.2**	**28.16N–.04**	**112.35W–.04**	**10–11**		**19**	**1-2**	
ECX	X	26 07 46 20.7–.27	28.18N	112.36W	13–4	2.5L			**¶621405001**
MEX	X	26 07 46 22.1–.42	28.06N	112.39W	12–5	3.3			
ISC		Event type se.							
ECX		Event type se. Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0. Presumed earthquake.							
MEX		Event type se. Error ellipse: s-maj=2.3km s-min=3.1km az=-1.0. Presumed earthquake.							
ISC	**X**	**29 00 47 21.1–1.7**	**25.82N–.04**	**110.34W–.03**	**11–12**	**3.6b,3.3s**	**38**	**1-94**	
IDC	X	29 00 47 20.3–2.6	25.75N	109.91W	0	3.7b,3.6			**¶621391412**
MEX	X	29 00 47 21.6–.33	25.67N	110.46W	15	4.1,3.6			
ISC		Event type se.							
IDC		Error ellipse: s-maj=34.8km s-min=16.1km az=170.0.							
MEX		Event type se. Error ellipse: s-maj=5.0km s-min=5.7km az=-1.0. Presumed earthquake.							
ISC	**IX**	**27 17 20 38.7–.42**	**30.74N–.03**	**114.15W–.02**	**10**	**4.3b,4.1s**	**172**	**1-122**	
IDC	IX	27 17 20 37.4–.79	30.45N	114.08W	0	4.1b,4.1s			**¶625694935**
MEX	IX	27 17 20 38.4–.34	30.83N	114.22W	3–4	4.5,4.1s			
ECX	IX	27 17 20 39.1–.29	30.76N	114.17W	20–5	4.4L,4.1s			
NEIC	IX	27 17 20 40.1–2.7	30.87N–.06	114.15W–.06	10–1	4.4b,4.1s			
GCMT	IX	27 17 20 43.0–.20	30.78N–.03	114.09W–.02	12–1	4.8W,4.1s			
ISC		Event type se.							
MEX		Event type se. Presumed earthquake.							
ECX		Event type se. Presumed earthquake.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109271720A. Moment Tensor Solution. s21,c23; s90,c133; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.74±.12 $M_{\theta\theta}$-0.07±.07; $M_{\phi\phi}$1.81±.07; $M_{r\theta}$-0.50±.34; $M_{\theta\phi}$1.05±.05; $M_{\phi r}$-0.36±.19; Best double couple: NP1:ϕ_s191.00000°,δ39.00000°,λ-110.00000°. NP2:ϕ_s36.00000°,δ54.00000°,λ-74.00000°. Principal axes: T 2.3510,Plg8.0000°,Azm115.0000°; N -0.4670,Plg13.0000°,Azm207.0000°; P -1.8790,Plg75.0000°,Azm355.0000° M_o2.11500×10^{16}							
ISC	**IX**	**30 22 24 11.8–1.6**	**25.2N–.10**	**109.50W–.08**	**17**		**15**	**1-46**	
IDC	IX	30 22 24 05.8–4.5	24.80N	109.32W	0	3.4b,3.3L			**¶621147794**
MEX	IX	30 22 24 08.7–.62	25.29N	109.83W	10	4.1,3.3L			
ISC		Event type se.							
IDC		Error ellipse: s-maj=62.5km s-min=20.3km az=161.0.							
MEX		Event type se. Error ellipse: s-maj=11.6km s-min=8.7km az=-1.0. Presumed earthquake.							
ISC	**IX**	**30 22 37 09.6–1.6**	**25.36N–.10**	**109.89W–.07**	**10**		**13**	**1-46**	
IDC	IX	30 22 37 11.6–4.5	25.50N	109.62W	0	3.6L,3.0b			**¶621147795**
MEX	IX	30 22 37 12.7–.61	25.34N	109.91W	10	3.8,3.0b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=64.2km s-min=19.8km az=168.0.							
MEX		Event type se. Error ellipse: s-maj=11.8km s-min=8.7km az=-1.0. Presumed earthquake.							
ISC	**XI**	**03 09 23 02.5–1.3**	**29.84N–.03**	**113.71W–.03**	**1–10**	**3.5b,3.4s**	**57**	**1-93**	
ECX	XI	03 09 23 04.2–.35	29.79N	113.75W	16–3	3.7L,3.4s			**¶621412235**
MEX	XI	03 09 23 04.6–.39	29.83N	113.69W	15–14	4.2,3.4s			
IDC	XI	03 09 23 05.1–1.4	29.59N	113.27W	0	3.6b,3.5			
ISC		Event type se.							
ECX		Event type se. Error ellipse: s-maj=1.8km s-min=1.2km az=-1.0. Presumed earthquake.							
MEX		Event type se. Error ellipse: s-maj=9.2km s-min=21.8km az=-1.0. Presumed earthquake.							
IDC		Error ellipse: s-maj=18.5km s-min=10.6km az=33.0.							
ISC	**X**	**31 16 41 39.5–1.3**	**29.95N–.05**	**113.79W–.03**	**14–12**		**19**	**1-4**	
ECX	X	31 16 41 43.0–.31	29.89N	113.74W	14–5	2.9L			**¶621405025**
MEX	X	31 16 41 45.0–.45	29.97N	113.94W	5	3.9			
ISC		Event type se.							
ECX		Event type se. Error ellipse: s-maj=1.7km s-min=1.2km az=-1.0. Presumed earthquake.							
MEX		Event type se. Error ellipse: s-maj=8.3km s-min=11.0km az=-1.0. Presumed earthquake.							
ISC	**XI**	**03 05 49 18.6–1.4**	**29.99N–.04**	**113.78W–.03**	**3–13**		**22**	**1-2**	
ECX	XI	03 05 49 22.4–.28	30.02N	113.75W	20–5	2.8L			**¶622083930**
MEX	XI	03 05 49 22.4–.90	29.96N	113.62W	7–20	3.8			
ISC		Event type se.							
ECX		Event type se. Error ellipse: s-maj=3.0km s-min=2.5km az=-1.0. Presumed earthquake.							
MEX		Event type se. Error ellipse: s-maj=10.7km s-min=22.7km az=-1.0. Presumed earthquake.							
ISC	**XI**	**03 02 07 30.6–1.2**	**29.85N–.03**	**113.89W–.03**	**4–9**		**116**	**0-22**	
ECX	XI	03 02 07 33.3–.59	29.67N	113.78W	4–5	3.7L			**¶621412211**
MEX	XI	03 02 07 34.1–.45	29.84N	113.69W	14–6	4.3			
IDC	XI	03 02 07 37.9–2.4	29.78N	113.06W	0	3.4L,3.3			
NEIC	XI	03 02 07 37.6–2.2	30.42N–.05	113.92W–.05	10–2	4.4b,3.3			
ISC		Event type se.							
ECX		Event type se. Presumed earthquake.							
MEX		Event type se. Presumed earthquake.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XI**	**04 07 33 29.1–1.7**	**24.81N–.06**	**109.36W–.04**	**30–17**		**32**	**1-27**	
IDC	XI	04 07 33 25.3–3.4	24.57N	108.95W	0	4.0L,3.7b			**¶621412282**
MEX	XI	04 07 33 29.0–.63	24.81N	109.36W	16–14	4.1,3.7b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=41.4km s-min=20.9km az=156.0.							
MEX		Event type se. Error ellipse: s-maj=8.1km s-min=8.1km az=-1.0. Presumed earthquake.							
ISC	**XI**	**03 22 49 41.5–1.2**	**29.78N–.03**	**113.79W–.03**	**17–9**		**116**	**1-18**	
NEIC	XI	03 22 49 41.0–2.0	29.78N–.07	113.83W–.07	10–2	4.2b			**¶621261727**
MEX	XI	03 22 49 41.8–.44	29.81N	113.75W	7–9	4.2			
ECX	XI	03 22 49 42.9–.39	29.76N	113.76W	14–5	4.1L			
IDC	XI	03 22 49 46.5–2.3	29.84N	113.21W	0	3.5L,3.3			
ISC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=12.3km s-min=9.8km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MEX		Event type se. Error ellipse: s-maj=7.0km s-min=14.0km az=-1.0. Presumed earthquake.							
ECX		Event type se. Error ellipse: s-maj=2.4km s-min=1.5km az=-1.0. Presumed earthquake.							
IDC		Error ellipse: s-maj=26.2km s-min=12.0km az=27.0.							
ISC	**XI**	**03 16 10 35.1–1.2**	**29.83N–.03**	**113.73W–.03**	**2–9**	**4.5b,3.7s**	**165**	**1-135**	
IDC	XI	03 16 10 33.6–1.6	29.70N	113.69W	0	3.7b,3.7s			**¶621261568**
MEX	XI	03 16 10 35.9–.69	29.84N	113.71W	5–10	4.5,3.7s			
ECX	XI	03 16 10 36.3–.39	29.77N	113.79W	16–4	4.4L,3.7s			
NEIC	XI	03 16 10 38.0–2.3	29.91N–.09	113.67W–.06	10–1	4.5b,3.7s			
ISC		Event type se.							
MEX		Event type se. Presumed earthquake.							
ECX		Event type se. Presumed earthquake.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XI**	**04 13 18 57.2–1.2**	**25.82N–.03**	**110.03W–.02**	**20–4**		**33**	**1-17**	
IDC	XI	04 13 18 55.5–5.5	25.14N	109.54W	0	4.0L,3.0			**¶621412300**
MEX	XI	04 13 18 59.6–.51	25.53N	110.07W	12–21	4.1,3.0			
ISC		Event type se.							
IDC		Error ellipse: s-maj=67.8km s-min=25.5km az=171.0.							
MEX		Event type se. Error ellipse: s-maj=16.8km s-min=15.9km az=-1.0. Presumed earthquake.							
ISC	**XI**	**04 15 03 52.9–1.2**	**29.80N–.03**	**113.76W–.03**	**7–9**	**3.0s**	**43**	**1-98**	
MEX	XI	04 15 03 48.7–.53	30.08N	113.44W	2–5	3.9			**¶621412302**
IDC	XI	04 15 03 52.3–2.4	29.66N	113.72W	0	3.8b,3.4L			
ECX	XI	04 15 03 54.8–.51	29.79N	113.80W	20–5	3.8L,3.4L			
ISC		Event type se.							
MEX		Event type se. Error ellipse: s-maj=8.0km s-min=17.2km az=-1.0. Presumed earthquake.							
IDC		Error ellipse: s-maj=30.2km s-min=13.1km az=26.0.							
ECX		Event type se. Error ellipse: s-maj=2.0km s-min=2.5km az=-1.0. Presumed earthquake.							
ISC	**XI**	**04 09 34 24.5–1.1**	**29.81N–.03**	**113.77W–.03**	**32–7**		**30**	**1-4**	
MEX	XI	04 09 34 23.9–.44	29.96N	113.44W	8–9	4.0			**¶622083940**
ECX	XI	04 09 34 25.3–.37	29.71N	113.77W	15–5	2.9L			
ISC		Event type se.							
MEX		Event type se. Error ellipse: s-maj=5.5km s-min=16.8km az=-1.0. Presumed earthquake.							
ECX		Event type se. Error ellipse: s-maj=2.6km s-min=1.5km az=-1.0. Presumed earthquake.							
ISC	**XI**	**04 20 51 07.7–1.1**	**29.85N–.04**	**113.82W–.03**	**28–13**		**19**	**1-2**	
MEX	XI	04 20 51 08.4–.37	29.86N	113.86W	15–17	3.8			**¶622083946**
ECX	XI	04 20 51 08.7–.25	29.85N	113.77W	14–5	2.9L			
ISC		Event type se.							
MEX		Event type se. Error ellipse: s-maj=14.6km s-min=30.9km az=-1.0. Presumed earthquake.							
ECX		Event type se. Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0. Presumed earthquake.							
ISC	**XI**	**04 21 53 44.8–1.2**	**29.77N–.03**	**113.76W–.03**	**17–10**		**23**	**1-2**	
MEX	XI	04 21 53 46.8–.46	29.91N	113.71W	12–16	3.9			**¶622083947**
ECX	XI	04 21 53 47.3–.34	29.70N	113.74W	6–16	3.0L			
ISC		Event type se.							
MEX		Event type se. Error ellipse: s-maj=11.2km s-min=25.2km az=-1.0. Presumed earthquake.							
ECX		Event type se. Error ellipse: s-maj=1.5km s-min=1.3km az=-1.0. Presumed earthquake.							
ISC	**XI**	**05 09 14 43.0–1.1**	**29.79N–.03**	**113.77W–.03**	**13–10**		**28**	**1-4**	
MEX	XI	05 09 14 41.8–.61	29.85N	113.61W	3–7	3.9			**¶622083952**
ECX	XI	05 09 14 43.7–.35	29.77N	113.76W	3–4	2.9L			
ISC		Event type se.							
MEX		Event type se. Error ellipse: s-maj=10.6km s-min=19.4km az=-1.0. Presumed earthquake.							
ECX		Event type se. Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0. Presumed earthquake.							
ISC	**XI**	**05 00 26 56.4–1.1**	**29.84N–.03**	**113.76W–.02**	**17–9**		**40**	**1-4**	
ECX	XI	05 00 26 57.9–.35	29.92N	113.79W	10–5	3.6L			**¶622083948**
MEX	XI	05 00 26 57.2–.36	29.88N	113.65W	15–9	4.1			
ISC		Event type se.							
ECX		Event type se. Error ellipse: s-maj=2.1km s-min=1.3km az=-1.0. Presumed earthquake.							
MEX		Event type se. Error ellipse: s-maj=6.5km s-min=15.9km az=-1.0. Presumed earthquake.							
ISC	**XI**	**06 02 26 50.6–1.2**	**29.86N–.04**	**113.79W–.04**	**12–11**		**19**	**1-2**	
ECX	XI	06 02 26 52.7–.30	29.81N	113.77W	15–5	2.9L			**¶622083964**
MEX	XI	06 02 26 52.3–.68	29.77N	113.88W	10	3.9			
ISC		Event type se.							
ECX		Event type se. Error ellipse: s-maj=1.6km s-min=1.1km az=-1.0. Presumed earthquake.							
MEX		Event type se. Error ellipse: s-maj=16.6km s-min=34.7km az=-1.0. Presumed earthquake.							
ISC	**XI**	**05 11 18 42.6–1.1**	**29.78N–.02**	**113.85W–.02**	**7–9**	**4.1b,3.4s**	**129**	**0-98**	
IDC	XI	05 11 18 42.5–2.3	29.28N	113.42W	0	3.7b,3.5L			**¶621361772**
NEIC	XI	05 11 18 42.1–1.8	29.71N–.06	113.90W–.07	10–2	4.3b,3.5L			
MEX	XI	05 11 18 44.7–.78	29.80N	113.79W	4–4	4.4,3.5L			
ECX	XI	05 11 18 46.1–.50	29.87N	113.77W	12–5	3.7L,3.5L			
GFZ	XI	05 11 18 50.7	29.73N	113.64W	10	4.2W,3.5L			
GFZ	XI	05 11 18 50.7–.66	30N–4.0	114W–7.0	10	4.3L,3.8			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MEX		Event type se. Presumed earthquake.							
ECX		Event type se. Presumed earthquake.							
GFZ		smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.99 $M_{\theta\theta}$0.85 $M_{\phi\phi}$2.14 $M_{r\theta}$0.17 $M_{\theta\phi}$0.76 $M_{\phi r}$-0.70 NP1: ϕ_s211.23229°,δ39.54379°,λ-79.02506°. NP2:ϕ_s17.11621°,δ51.31609°,λ-98.93275°. Principal axes: T 2.5458,Plg5.9303°,Azm113.4538°; N 0.5544,Plg6.9619°,Azm22.7271°; P -3.1003,Plg80.8356°,Azm243.5352° M_o2.86360×10^{15}							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**XI**	**05 21 11 02.6–1.2**	**29.91N–.03**	**113.75W–.03**	**7–10**	**3.2s**	**50**	**1-42**	
IDC	XI	05 21 11 04.0–2.1	29.53N	113.44W	0	3.6b,3.3L			**¶621413995**
MEX	XI	05 21 11 04.2–.37	29.88N	113.72W	10	4.3,3.3L			
ECX	XI	05 21 11 04.4–.39	29.89N	113.75W	17–4	3.8L,3.3L			
ISC		Event type se.							
IDC		Error ellipse: s-maj=24.9km s-min=12.4km az=27.0.							
MEX		Event type se. Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0. Presumed earthquake.							
ECX		Event type se. Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0. Presumed earthquake.							
ISC	**XI**	**05 21 53 32.6–1.2**	**29.86N–.03**	**113.79W–.04**	**11–10**		**50**	**1-41**	
IDC	XI	05 21 53 32.0–2.2	29.60N	113.54W	0	3.5b,3.3			**¶621413997**
MEX	XI	05 21 53 32.6–.92	29.90N	113.71W	10	4.0,3.3			
ECX	XI	05 21 53 33.3–.51	29.90N	113.78W	18–5	3.7L,3.3			
ISC		Event type se.							
IDC		Error ellipse: s-maj=27.3km s-min=12.7km az=22.0.							
MEX		Event type se. Error ellipse: s-maj=11.2km s-min=26.2km az=-1.0. Presumed earthquake.							
ECX		Event type se. Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0. Presumed earthquake.							
ISC	**XI**	**05 14 08 04.4–1.2**	**29.76N–.03**	**113.82W–.03**	**14–9**	**4.4b,3.7s**	**224**	**1-97**	
ECX	XI	05 14 08 04.8–.33	29.82N	113.80W	19–4	4.1L,3.7s			**¶621370646**
NEIC	XI	05 14 08 04.9–1.2	29.91N–.06	113.94W–.07	10–2	4.4b,3.7s			
MEX	XI	05 14 08 04.7–.54	29.86N	113.66W	12–7	4.4,3.7s			
IDC	XI	05 14 08 05.5–1.3	29.72N	113.42W	0	4.0b,3.7			
ISC		Event type se.							
ECX		Event type se. Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0. Presumed earthquake.							
NEIC		Event type se. Error ellipse: s-maj=12.2km s-min=8.2km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MEX		Event type se. Error ellipse: s-maj=4.2km s-min=8.9km az=-1.0. Presumed earthquake.							
IDC		Error ellipse: s-maj=17.5km s-min=10.5km az=32.0.							
ISC	**XI**	**05 20 18 11.7–1.6**	**29.80N–.03**	**113.71W–.03**	**3–12**	**4.4b,3.6s**	**175**	**1-93**	
NEIC	XI	05 20 18 11.9–2.5	29.76N–.03	113.68W–.06	10–1	4.5b,3.6s			**¶621370583**
IDC	XI	05 20 18 12.2–1.5	29.43N	113.56W	0	3.9b,3.7			
ECX	XI	05 20 18 14.2–.28	29.82N	113.76W	18–5	4.0L,3.7			
MEX	XI	05 20 18 14.6–.66	29.74N	113.88W	10	4.4,3.7			
ISC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=9.8km s-min=3.6km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=19.9km s-min=10.5km az=31.0.							
ECX		Event type se. Error ellipse: s-maj=2.0km s-min=2.3km az=-1.0. Presumed earthquake.							
MEX		Event type se. Error ellipse: s-maj=19.3km s-min=38.5km az=-1.0. Presumed earthquake.							
ISC	**XI**	**06 06 19 33.8–.70**	**29.77N–.03**	**113.75W–.03**	**10**	**3.6s**	**82**	**1-93**	
MEX	XI	06 06 19 35.8–.40	29.86N	113.73W	8–6	4.4			**¶621370663**
NEIC	XI	06 06 19 36.2–1.4	29.84N–.07	113.91W–.04	10–2	4.3b			
IDC	XI	06 06 19 47.4–3.6	30.13N	113.77W	0	3.9b,3.5s			
ISC		Event type se.							
MEX		Event type se. Error ellipse: s-maj=6.2km s-min=11.6km az=-1.0. Presumed earthquake.							
NEIC		Event type se. Error ellipse: s-maj=12.5km s-min=3.0km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=55.1km s-min=22.6km az=37.0.							
ISC	**XI**	**06 00 27 15.5–1.6**	**29.88N–.03**	**113.79W–.03**	**9–13**		**34**	**1-4**	
MEX	XI	06 00 27 16.6–.88	29.97N	113.69W	10	4.0			**¶622083962**
ECX	XI	06 00 27 17.7–.32	29.88N	113.78W	19–5	3.8L			
ISC		Event type se.							
MEX		Event type se. Error ellipse: s-maj=7.8km s-min=17.4km az=-1.0. Presumed earthquake.							
ECX		Event type se. Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0. Presumed earthquake.							
ISC	**XI**	**08 19 37 18.3–1.2**	**29.86N–.03**	**113.67W–.03**	**10–10**		**40**	**1-4**	
MEX	XI	08 19 37 19.6–.52	29.88N	113.59W	7–6	4.1			**¶622083989**
ECX	XI	08 19 37 20.0–.43	29.87N	113.72W	17–4	3.5L			
ISC		Event type se.							
MEX		Event type se. Error ellipse: s-maj=3.8km s-min=6.0km az=-1.0. Presumed earthquake.							
ECX		Event type se. Error ellipse: s-maj=1.7km s-min=1.5km az=-1.0. Presumed earthquake.							
ISC	**XI**	**08 15 09 48.9–1.1**	**29.76N–.03**	**113.80W–.03**	**15–10**		**32**	**1-4**	
MEX	XI	08 15 09 48.9–.96	29.94N	113.61W	12–18	4.2			**¶622083985**
ECX	XI	08 15 09 49.7–.31	29.71N	113.77W	20–5	3.7L			
ISC		Event type se.							
MEX		Event type se. Error ellipse: s-maj=18.1km s-min=42.5km az=-1.0. Presumed earthquake.							
ECX		Event type se. Error ellipse: s-maj=2.7km s-min=2.9km az=-1.0. Presumed earthquake.							

ISC XI 08 20 01 31.6–1.3 29.88N–.04 113.80W–.04 13–11 23 1-4
MEX XI 08 20 01 32.6–.38 29.21N 114.75W 20–999 3.9 **¶622083990**
ECX XI 08 20 01 34.7–.31 29.99N 113.73W 10–4 2.6L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=11.2km s-min=13.9km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.4km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XI 09 05 42 19.3–1.2 29.81N–.03 113.75W–.02 4–10 50 1-5
ECX XI 09 05 42 20.5–.51 29.84N 113.76W 12–5 3.7L **¶622083997**
MEX XI 09 05 42 23.8–.82 29.70N 113.78W 17–23 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=13.8km s-min=12.8km az=-1.0. Presumed earthquake.
ISC XI 08 17 56 34.8–1.3 29.88N–.04 113.76W–.03 7–12 22 1-2
MEX XI 08 17 56 37.3–.53 30.01N 113.55W 17–13 3.9 **¶622083986**
ECX XI 08 17 56 38.4–.28 29.89N 113.73W 8–5 2.6L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.1km s-min=22.8km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.7km s-min=1.0km az=-1.0. Presumed earthquake.
ISC XI 08 20 52 21.3–1.1 29.91N–.03 113.63W–.03 16–9 30 1-3
MEX XI 08 20 52 20.7–.44 30.00N 113.22W 5 3.9 **¶622083991**
ECX XI 08 20 52 23.4–.35 29.96N 113.73W 11–4 2.7L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=2.2km s-min=5.7km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.3km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XI 09 22 45 23.3–1.1 29.91N–.03 113.68W–.03 10–10 35 1-4
ECX XI 09 22 45 25.5–.25 29.89N 113.74W 19–4 3.5L **¶622084004**
MEX XI 09 22 45 25.2–.30 29.93N 113.56W 18–7 3.8
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.2km s-min=6.7km az=-1.0. Presumed earthquake.
ISC XI 09 04 04 36.0–1.1 29.79N–.04 113.81W–.03 30–13 34 1-4
ECX XI 09 04 04 35.5–.26 29.86N 113.77W 20–5 3.7L **¶622083994**
MEX XI 09 04 04 37.5–1.0 29.53N 113.95W 5–3 3.8
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.7km s-min=0.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.3km s-min=9.4km az=-1.0. Presumed earthquake.
ISC XI 09 09 43 59.1–.99 29.83N–.02 113.59W–.02 17–7 4.3b 177 1-92
NEIC XI 09 09 43 55.7–1.4 29.48N–.04 113.57W–.08 10–1 4.4b **¶621423147**
IDC XI 09 09 43 59.6–1.9 29.24N 113.64W 0 4.0b,3.9s
ECX XI 09 09 44 03.5–.39 29.85N 113.76W 19–4 3.8L,3.9s
MEX XI 09 09 44 04.3–.61 29.83N 113.75W 21–999 4.1,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=4.7km az=240.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=11.0km az=26.0.
ECX Event type se. Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.9km s-min=10.7km az=-1.0. Presumed earthquake.
ISC XI 09 22 49 07.6–1.3 29.84N–.03 113.84W–.03 3–11 46 0-5
MEX XI 09 22 49 09.9–.58 29.94N 113.61W 10 4.1 **¶622084005**
ECX XI 09 22 49 11.2–.57 29.89N 113.75W 15–5 3.7L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.3km s-min=8.9km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0. Presumed earthquake.
ISC XI 10 23 38 41.0–1.3 29.90N–.03 113.72W–.03 8–11 26 1-3
MEX XI 10 23 38 43.3–.44 29.93N 113.67W 8–13 3.8 **¶622084018**
ECX XI 10 23 38 44.4–.28 29.92N 113.69W 5–3 2.9L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=16.1km s-min=40.4km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0. Presumed earthquake.
ISC XI 10 09 48 39.6–1.3 29.92N–.04 113.78W–.04 23–16 20 1-2
ECX XI 10 09 48 41.9–.25 29.88N 113.73W 4–3 2.6L **¶622084013**
MEX XI 10 09 48 41.1–1.4 29.85N 113.94W 10 3.8
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=16.7km s-min=32.3km az=-1.0. Presumed earthquake.
ISC XI 10 14 48 11.0–1.4 23.9N–.10 108.7W–.10 10 4.2b 28 4-58
NEIC XI 10 14 48 11.2–1.4 23.92N–.03 108.7W–.10 10–2 4.1b **¶621440065**
IDC XI 10 14 48 16.5–4.2 24.17N 108.72W 0 3.8L,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=4.5km az=255.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=66.9km s-min=24.7km az=153.0.
ISC XI 11 04 18 57.1–1.3 29.88N–.04 113.77W–.03 16–12 24 1-4
ECX XI 11 04 18 58.6–.27 29.86N 113.75W 20–5 3.7L **¶622084025**
MEX XI 11 04 18 59.9–.35 29.87N 113.83W 19–13 3.8
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.2km s-min=15.5km az=-1.0. Presumed earthquake.
ISC XI 12 05 09 15.9–1.2 29.86N–.03 113.83W–.03 8–10 110 1-44
NEIC XI 12 05 09 16.4–1.5 29.83N–.04 113.87W–.07 10–2 4.3b **¶621399245**
IDC XI 12 05 09 16.4–2.8 30.02N 113.66W 0 3.4L,2.9
ECX XI 12 05 09 18.2–.27 29.87N 113.71W 16–5 3.9L,2.9
MEX XI 12 05 09 18.2–1.1 29.78N 113.91W 10 4.1,2.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.2km az=245.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.4km s-min=12.2km az=26.0.
ECX Event type se. Error ellipse: s-maj=1.7km s-min=2.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=16.1km s-min=34.6km az=-1.0. Presumed earthquake.
ISC XI 11 02 32 11.0–1.3 29.92N–.04 113.73W–.03 6–11 26 1-4
ECX XI 11 02 32 12.3–.29 29.89N 113.69W 2–3 3.1L **¶622084022**
MEX XI 11 02 32 13.4–.49 29.90N 113.74W 18–11 3.8
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=11.6km s-min=29.1km az=-1.0. Presumed earthquake.
ISC XI 11 03 15 42.5–1.2 29.78N–.04 113.91W–.04 24–14 23 0-4
ECX XI 11 03 15 42.9–.31 29.68N 113.76W 6–4 3.9L **¶625710541**
MEX XI 11 03 15 43.3–.52 29.78N 113.93W 15 3.9
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=3.7km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=14.3km s-min=29.7km az=-1.0. Presumed earthquake.
ISC XI 11 13 53 33.7–1.1 29.89N–.03 113.79W–.02 14–9 39 1-4
ECX XI 11 13 53 34.7–.25 29.90N 113.73W 20–5 3.6L **¶622084028**
MEX XI 11 13 53 36.2–.53 29.83N 113.87W 20–999 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=10.1km s-min=18.6km az=-1.0. Presumed earthquake.
ISC XI 14 07 59 15.9–1.2 29.87N–.02 113.74W–.03 9–10 3.5s 57 1-41
ECX XI 14 07 59 18.1–.43 29.82N 113.74W 14–4 4.0L **¶621468657**
MEX XI 14 07 59 18.5–.70 29.82N 113.87W 19–10 4.5
IDC XI 14 07 59 21.9–2.0 29.82N 112.98W 0 3.3s,3.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.5km s-min=10.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.3km s-min=10.3km az=24.0.
ISC XI 14 00 30 07.6–1.5 29.93N–.03 113.75W–.03 9–12 40 1-5
ECX XI 14 00 30 09.6–.38 29.93N 113.73W 15–4 3.5L **¶622084037**
MEX XI 14 00 30 09.2–.62 29.86N 113.84W 10 4.4
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.8km s-min=1.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.6km s-min=4.7km az=-1.0. Presumed earthquake.
IDC XI 15 05 58 11.4–5.3 24.18N 108.89W 0 3.8L,3.1
¶621475599
IDC Error ellipse: s-maj=66.9km s-min=28.3km az=157.0.
ISC XI 14 07 37 46.1–1.4 29.88N–.03 113.78W–.03 10–12 36 1-4
ECX XI 14 07 37 48.7–.29 29.88N 113.77W 20–5 3.8L **¶622084040**
MEX XI 14 07 37 49.3–.64 29.77N 113.92W 15 4.2
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=14.0km s-min=31.9km az=-1.0. Presumed earthquake.
ISC XI 14 13 45 55.1–1.2 29.82N–.03 113.77W–.03 10–9 58 1-41
IDC XI 14 13 45 55.9–2.6 29.52N 113.40W 0 3.7b,3.5L **¶621468690**
MEX XI 14 13 45 55.5–.46 29.91N 113.73W 10–17 4.5,3.5L
ECX XI 14 13 45 56.1–.43 29.82N 113.74W 17–4 4.0L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=13.9km az=19.0.
MEX Event type se. Error ellipse: s-maj=8.5km s-min=17.1km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0. Presumed earthquake.
ISC XI 15 14 46 44.4–1.5 29.93N–.02 113.80W–.03 14–12 3.6s 87 1-67
NEIC XI 15 14 46 45.0–1.5 29.91N–.01 113.76W–.05 10–2 4.2b **¶621406835**
ECX XI 15 14 46 45.3–.36 29.94N 113.78W 19–4 3.9L
IDC XI 15 14 46 46.9–2.4 29.68N 113.43W 0 3.5b,3.4
MEX XI 15 14 46 46.7–.78 29.93N 113.70W 15–23 4.2,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.1km az=270.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=2.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=30.5km s-min=12.8km az=25.0.
MEX Event type se. Error ellipse: s-maj=5.3km s-min=7.9km az=-1.0. Presumed earthquake.
ISC XI 15 05 32 35.8–1.2 29.93N–.02 113.75W–.03 3–11 39 1-13
IDC XI 15 05 32 35.2–2.8 29.67N 113.59W 0 3.4L,3.3 **¶621475596**
MEX XI 15 05 32 37.6–.63 29.95N 113.69W 9–9 4.1,3.3
ECX XI 15 05 32 38.1–.38 29.96N 113.72W 7–5 3.8L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=13.1km az=25.0.
MEX Event type se. Error ellipse: s-maj=11.4km s-min=28.3km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XI 15 09 20 34.7–1.7 29.92N–.03 113.76W–.03 12–12 3.4s 40 1-41
IDC XI 15 09 20 29.1–4.0 29.14N 113.95W 0 3.9L,3.5b **¶621475619**
ECX XI 15 09 20 36.0–.39 29.89N 113.73W 18–4 3.7L,3.5b
MEX XI 15 09 20 36.5–.75 29.91N 113.79W 15 4.0,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=61.7km s-min=18.5km az=23.0.
ECX Event type se. Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=14.5km s-min=34.7km az=-1.0. Presumed earthquake.
ISC XI 18 08 01 33.4–1.3 29.92N–.03 113.73W–.03 9–11 43 1-4
ECX XI 18 08 01 35.0–.37 29.93N 113.74W 12–4 3.5L **¶622084063**
MEX XI 18 08 01 35.8–.58 29.91N 113.80W 12–10 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.8km s-min=14.4km az=-1.0. Presumed earthquake.
ISC XI 16 11 20 52.1–1.2 29.96N–.03 113.81W–.03 3–11 23 1-4
ECX XI 16 11 20 55.9–.40 30.07N 113.74W 15–5 2.9L **¶622084049**
MEX XI 16 11 20 58.0–.71 29.91N 113.80W 16–14 3.9
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=3.1km s-min=1.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=12.1km s-min=27.8km az=-1.0. Presumed earthquake.
ISC XI 17 08 33 30.8–1.2 29.95N–.04 113.75W–.03 13–10 29 1-4
ECX XI 17 08 33 32.2–.34 29.92N 113.73W 15–5 3.6L **¶622084056**
MEX XI 17 08 33 33.2–.60 29.93N 113.71W 10 4.0
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=3.1km s-min=1.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.6km s-min=13.7km az=-1.0. Presumed earthquake.
ISC XI 19 02 36 35.1–1.0 29.83N–.06 113.81W–.09 10 12 1-13
MEX XI 19 02 36 37.2–.38 29.94N 113.72W 13–8 3.9 **¶621590262**
IDC XI 19 02 36 38.1–2.9 29.49N 113.19W 0 3.3L,3.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.9km s-min=15.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=33.5km s-min=13.9km az=23.0.
ISC XI 18 05 45 23.0–1.3 29.91N–.03 113.82W–.03 2–11 30 1-4
MEX XI 18 05 45 25.6–.49 29.83N 113.90W 5–3 4.0 **¶622084060**
ECX XI 18 05 45 26.2–.43 29.78N 113.75W 5–5 3.8L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.3km s-min=17.8km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=4.1km s-min=1.5km az=-1.0. Presumed earthquake.
ISC XI 18 06 51 22.8–1.1 29.87N–.04 113.77W–.03 17–9 24 1-4
ECX XI 18 06 51 23.4–.32 29.73N 113.68W 9–3 3.1L **¶622084061**
MEX XI 18 06 51 24.7–.43 29.90N 113.78W 18–7 3.9
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=3.5km s-min=1.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.7km s-min=16.0km az=-1.0. Presumed earthquake.
ISC XI 18 04 32 47.1–1.3 29.89N–.03 113.77W–.03 10–10 113 1-19
IDC XI 18 04 32 45.2–3.1 29.57N 113.54W 0 3.5L,3.1 **¶621532461**
NEIC XI 18 04 32 46.6–1.5 29.88N–.02 113.78W–.03 10–1 4.0b,3.1
MEX XI 18 04 32 48.6–.43 29.90N 113.81W 14–6 4.4,3.1
ECX XI 18 04 32 48.8–.25 30.04N 113.80W 17–4 4.3L,3.1
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=13.6km az=27.0.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=4.1km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=4.8km s-min=10.4km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.4km s-min=1.8km az=-1.0. Presumed earthquake.
ISC XI 18 04 33 33.7–.95 30.74N–.08 113.20W–.05 10 4.5b,3.8s 68 1-96
IDC XI 18 04 33 17.5–2.6 29.56N 113.59W 0 3.7b,3.7s **¶621532464**
NEIC XI 18 04 33 34.8–1.8 30.75N–.09 113.15W–.07 10–2 4.4b,3.7s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 04 26 26.8–.48 29.92N–.02 113.77W–.03 10 4.3b,3.9s 125 1-98
ECX XI 19 04 26 26.3–.42 29.98N 113.79W 12–5 4.1L,3.9s **¶621416409**
IDC XI 19 04 26 26.0–1.6 29.65N 113.49W 0 4.1b,3.8s
MEX XI 19 04 26 27.5–.44 29.88N 113.78W 14–5 4.5,3.8s
NEIC XI 19 04 26 28.4–2.2 30.01N–.05 113.82W–.09 10–2 4.5b,3.8s
GCMT XI 19 04 26 30.3–.40 30.00N–.04 113.71W–.02 12 4.7W,3.8s
ISC Event type se.
ECX Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111190426A. Moment Tensor Solution. s9,c10; s88,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.17±.04 $M_{\theta\theta}$0.06±.04; $M_{\phi\phi}$1.11±.04; $M_{r\theta}$0.24±.23; $M_{\theta\phi}$0.17±.03; $M_{\phi r}$0.09±.16; Best double couple: NP1:ϕ_s359.00000°,δ43.00000°,λ-105.00000°. NP2:ϕ_s199.00000°,δ49.00000°,λ-77.00000°. Principal axes:
T 1.1450,Plg3.0000°,Azm280.0000°; N 0.0740,Plg10.0000°,Azm10.0000°
; P -1.2170,Plg79.0000°,Azm172.0000° $M_0$1.18100×10^{16}
ISC XI 20 01 16 02.9–1.2 29.94N–.03 113.72W–.02 9–10 38 1-4
ECX XI 20 01 16 04.4–.32 29.94N 113.79W 1–3 3.7L **¶622084074**
MEX XI 20 01 16 05.9–.58 29.94N 113.67W 18–12 4.2
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.2km s-min=15.1km az=-1.0. Presumed earthquake.
ISC XI 20 07 29 09.9–1.4 29.91N–.02 113.80W–.03 16–10 4.2b,3.7s 158 1-88
NEIC XI 20 07 29 08.9–1.2 29.88N–.04 113.81W–.06 10–1 4.3b,3.7s **¶621425223**
IDC XI 20 07 29 09.4–2.4 29.61N 113.45W 0 4.0b,3.7
ECX XI 20 07 29 10.0–.40 29.93N 113.73W 20–4 4.0L,3.7
MEX XI 20 07 29 10.7–.63 29.93N 113.72W 18–8 4.5,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.2km az=238.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.6km s-min=13.0km az=20.0.
ECX Event type se. Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.0km s-min=5.9km az=-1.0. Presumed earthquake.
ISC XI 20 13 16 43.3–1.2 29.93N–.03 113.79W–.02 2–11 35 1-4
ECX XI 20 13 16 46.8–.41 29.94N 113.75W 14–4 3.5L **¶622084081**
MEX XI 20 13 16 46.6–.85 29.79N 113.91W 10 3.9

ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=13.7km s-min=28.2km az=-1.0. Presumed earthquake.
ISC XI 20 02 39 06.1–1.1 31.51N–.02 114.44W–.02 17–9 79 1-5
NEIC XI 20 02 39 04.7–1.1 31.55N–.02 114.45W–.05 10–2 3.8L,3.3L ¶621423331
PAS XI 20 02 39 07.5–4.5 31.54N–.02 114.39W–.02 4–2 3.8L,3.3L
ECX XI 20 02 39 08.3–.40 31.54N 114.41W 20–5 3.8L,3.3L
MEX XI 20 02 39 08.5–.47 31.51N 114.56W 5–2 3.9,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.5km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=2.7km s-min=2.3km az=104.0. hypocenter. manual.
ECX Event type se. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0. Presumed earthquake.
ISC XI 20 02 50 11.2–1.2 31.60N–.04 114.44W–.03 19–5 24 1-2
ECX XI 20 02 50 12.7–.25 31.59N 114.44W 8–5 2.9L ¶622084075
MEX XI 20 02 50 13.0–.33 31.55N 114.53W 11–3 3.7
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.8km s-min=0.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.2km s-min=3.5km az=-1.0. Presumed earthquake.
ISC XI 20 03 03 43.8–1.0 31.62N–.02 114.45W–.02 11–9 80 0-5
NEIC XI 20 03 03 43.2–1.0 31.65N–.01 114.48W–.02 10–2 3.4L,3.0L ¶621423332
PAS XI 20 03 03 44.9–3.4 31.57N–.02 114.40W–.02 6–1 3.4L,3.0L
ECX XI 20 03 03 45.3–.43 31.57N 114.45W 20–5 3.5L,3.0L
MEX XI 20 03 03 45.3–1.2 31.65N 114.48W 18–16 4.0,3.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=3.1km az=238.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=3.7km s-min=2.9km az=335.0. hypocenter. manual.
ECX Event type se. Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.6km s-min=12.5km az=-1.0. Presumed earthquake.
ISC XI 20 13 49 12.4–1.2 29.91N–.03 113.71W–.03 6–10 37 1-41
IDC XI 20 13 49 15.5–2.3 29.52N 113.48W 0 3.7b,3.4 ¶621590362
ECX XI 20 13 49 16.3–.29 29.91N 113.75W 20–5 3.7L,3.4
MEX XI 20 13 49 16.3–.68 29.96N 113.68W 15–14 4.1,3.4
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=12.8km az=23.0.
ECX Event type se. Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.8km s-min=17.1km az=-1.0. Presumed earthquake.
ISC XI 21 03 13 32.9–1.2 29.91N–.03 113.81W–.03 0–10 3.4s 58 1-46
IDC XI 21 03 13 32.4–2.0 29.52N 113.65W 0 3.3s,3.2L ¶621608890
ECX XI 21 03 13 34.7–.32 29.91N 113.76W 6–4 3.6L,3.2L
MEX XI 21 03 13 37.4–.30 29.83N 113.82W 17–4 4.2,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=13.4km az=33.0.
ECX Event type se. Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.6km s-min=10.8km az=-1.0. Presumed earthquake.
ISC XI 21 03 47 02.2–1.2 29.90N–.02 113.76W–.02 10–8 3.5s 102 1-98
IDC XI 21 03 46 59.7–2.0 29.46N 113.55W 0 3.7b,3.6L ¶621427846
NEIC XI 21 03 47 02.9–1.8 29.86N–.04 113.83W–.06 10–2 4.2b,3.6L
ECX XI 21 03 47 03.6–.43 29.89N 113.76W 19–4 3.6L,3.6L
MEX XI 21 03 47 04.6–.66 29.91N 113.73W 19–10 4.2,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=12.0km az=30.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.6km az=239.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=2.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.2km s-min=12.2km az=-1.0. Presumed earthquake.
ISC XI 20 12 44 27.3–1.4 29.89N–.03 113.79W–.03 10–11 38 1-4
ECX XI 20 12 44 29.8–.44 29.95N 113.75W 16–3 3.7L ¶622084080
MEX XI 20 12 44 30.9–.33 29.89N 113.79W 15–5 4.2
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.3km s-min=6.8km az=-1.0. Presumed earthquake.
ISC XI 23 00 40 18.8–1.2 29.90N–.03 113.85W–.02 3–10 40 0-5
ECX XI 23 00 40 22.4–.27 29.92N 113.77W 20–5 3.7L ¶622084094
MEX XI 23 00 40 22.7–.78 29.94N 113.77W 11–15 4.0
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=16.8km s-min=41.3km az=-1.0. Presumed earthquake.
ISC XI 23 08 26 17.6–1.1 29.86N–.04 113.77W–.03 15–9 28 1-4
MEX XI 23 08 26 18.5–.59 29.86N 113.72W 20–23 4.2 ¶622084096
ECX XI 23 08 26 19.4–.40 29.77N 113.81W 5–4 3.7L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=23.4km s-min=53.0km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0. Presumed earthquake.
ISC XI 24 17 49 39.3–1.2 29.80N–.03 113.82W–.02 5–10 46 1-4
MEX XI 24 17 49 40.6–.48 29.76N 113.75W 10 4.1 ¶622084105
ECX XI 24 17 49 40.8–.40 29.80N 113.84W 10–4 3.6L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.1km s-min=17.2km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0. Presumed earthquake.
ISC XI 23 11 30 17.8–1.2 29.96N–.02 113.76W–.02 0–9 4.3b,3.7s 113 1-98
IDC XI 23 11 30 18.2–1.8 29.54N 113.66W 0 4.3b,3.8 ¶621449550
NEIC XI 23 11 30 19.8–1.2 30.07N–.04 113.72W–.07 10–1 4.3b,3.8
MEX XI 23 11 30 20.7–.39 29.88N 113.80W 15 4.3,3.8
ECX XI 23 11 30 21.2–.31 29.87N 113.74W 10–5 4.3L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=12.0km az=24.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.7km az=262.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=4.4km s-min=8.5km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.3km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XI 24 09 47 58.3–1.2 29.97N–.03 113.74W–.02 5–9 4.5b,4.1s 172 1-98
IDC XI 24 09 47 58.1–2.0 29.72N 113.56W 0 4.2b,4.1s ¶621453094
NEIC XI 24 09 47 58.5 29.82N 113.82W 10 4.2b,4.1s
NEIC XI 24 09 47 58.0–1.6 29.79N–.07 113.85W–.05 10–2 4.6b,4.6
ECX XI 24 09 47 59.4–.42 29.93N 113.75W 18–4 4.2L,4.6
MEX XI 24 09 47 59.4–1.1 29.97N 113.71W 11–30 4.4,4.6
GCMT XI 24 09 48 02.8–.20 30.05N–.02 113.65W–.01 12 4.8W,4.6
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-9.21 $M_{\theta\theta}$0.20 $M_{\phi\phi}$9.01 $M_{r\theta}$-1.27 $M_{\theta\phi}$1.01 $M_{\phi r}$-1.22 NP1:ϕ_s13.17000°,δ49.60000°,λ-81.26000°. NP2:ϕ_s179.84000°,δ41.18000° ,λ-100.12000°. Principal axes: T 9.2255,Plg4.0000°,Azm97.0000°; N 0.2169,Plg7.0000° ,Azm187.0000°; P -9.4424,Plg82.0000°,Azm335.0000° $M_0$9.34000×10^{15}
ECX Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240947A. Moment Tensor Solution. s37,c41; s107,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.99±.05 $M_{\theta\theta}$0.22±.05; $M_{\phi\phi}$1.77±.04; $M_{r\theta}$0.97±.24; $M_{\theta\phi}$0.36±.04; $M_{\phi r}$-0.30±.15; Best double couple: NP1:ϕ_s352.00000°,δ50.00000°,λ-119.00000°. NP2:ϕ_s212.00000°,δ48.00000° ,λ-60.00000°. Principal axes: T 1.8520,Plg1.0000°,Azm102.0000°; N 0.5440,Plg22.0000°,Azm11.0000° ; P -2.3980,Plg68.0000°,Azm195.0000° $M_0$2.12500×10^{16}
ISC XI 24 03 59 19.5–1.0 29.93N–.03 113.74W–.03 17–9 34 1-4
MEX XI 24 03 59 19.8–.52 29.98N 113.70W 10 4.2 ¶622084099
ECX XI 24 03 59 21.6–.26 29.83N 113.82W 18–5 3.8L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.1km s-min=13.1km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0. Presumed earthquake.
ISC XI 24 13 54 28.0–1.3 29.95N–.03 113.73W–.03 14–10 3.6s 47 1-88
IDC XI 24 13 54 25.7–2.5 29.37N 113.52W 0 3.7b,3.5s ¶621613988
ECX XI 24 13 54 28.3–.39 29.94N 113.73W 17–3 4.0L,3.5s
MEX XI 24 13 54 29.2–.66 30.00N 113.67W 16–8 4.1,3.5s

ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=13.2km az=25.0.
ECX Event type se. Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.1km s-min=8.4km az=-1.0. Presumed earthquake.
ISC XI 24 04 37 19.4–1.2 29.83N–.03 113.76W–.03 2–8 4.7b,4.4s 270 1-104
NEIC XI 24 04 37 20.9–1.5 29.83N–.04 113.86W–.05 10–1 4.7,4.7b ¶621452733
NEIC XI 24 04 37 20.9 29.83N 113.86W 10 4.7,4.7b
IDC XI 24 04 37 20.1–.88 29.67N 113.51W 0 4.3b,4.3s
ECX XI 24 04 37 21.0–.34 29.82N 113.74W 20–5 4.4L,4.3s
MEX XI 24 04 37 21.5–.63 29.90N 113.75W 5–9 4.5,4.3s
GCMT XI 24 04 37 23.7–.20 30.01N–.03 113.68W–.01 12 4.9W,4.3s
GFZ XI 24 04 37 23.7–.33 30N–3.0 114W–4.0 10 5.9b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.07 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$1.09 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.20 $M_{\phi r}$-0.04 NP1:ϕ_s170.64000°,δ45.40000°,λ-119.75000°. NP2:ϕ_s29.78000° ,δ51.82000°,λ-63.29000°. Principal axes: T 1.1272,Plg3.0000°,Azm101.0000° ; N 0.1197,Plg21.0000°,Azm193.0000°; P -1.2469,Plg69.0000°,Azm2.0000° $M_0$1.19000×10^{16}
NEIC Event type se.
ECX Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240437A. Moment Tensor Solution. s27,c34; s103,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.56±.07 $M_{\theta\theta}$0.13±.07; $M_{\phi\phi}$2.44±.05; $M_{r\theta}$0.71±.34; $M_{\theta\phi}$0.48±.05; $M_{\phi r}$-0.07±.21; Best double couple: NP1:ϕ_s357.00000°,δ46.00000° ,λ-110.00000°. NP2:ϕ_s205.00000°,δ48.00000°,λ-70.00000°. Principal axes: T 2.5360,Plg1.0000°,Azm281.0000°; N 0.2150,Plg14.0000°,Azm12.0000° ; P -2.7440,Plg76.0000°,Azm188.0000° $M_0$2.64000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 24 05 29 34.6–1.2 29.90N–.04 113.81W–.03 11–11 40 1-13
ECX XI 24 05 29 36.6–.34 29.90N 113.74W 20–5 3.8L ¶621613963
MEX XI 24 05 29 36.0–.43 29.90N 113.85W 10 4.2
IDC XI 24 05 29 41.2–2.5 29.98N 113.11W 0 3.2L,2.9
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.6km s-min=2.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.9km s-min=10.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=28.3km s-min=12.3km az=19.0.
ISC XI 24 18 14 24.0–1.1 29.74N–.03 113.90W–.03 12–9 57 0-13
MEX XI 24 18 14 22.2–1.3 29.82N 113.56W 2–8 4.1 ¶621614001
IDC XI 24 18 14 24.4–3.2 29.43N 113.74W 0 3.7L,3.1
ECX XI 24 18 14 25.7–.45 29.78N 113.90W 18–5 3.5L,3.1
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=15.0km s-min=33.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=35.4km s-min=14.2km az=28.0.
ECX Event type se. Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0. Presumed earthquake.
ISC XI 25 20 14 05.8–1.4 29.93N–.05 113.73W–.03 6–13 22 1-4
ECX XI 25 20 14 07.8–.27 29.88N 113.72W 12–4 3.4L ¶622084116
MEX XI 25 20 14 09.4–.51 29.81N 113.81W 10 4.0
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.7km s-min=6.6km az=-1.0. Presumed earthquake.
ISC XI 25 05 20 48.3–1.4 29.93N–.03 113.73W–.03 8–11 3.5s 48 1-92
ECX XI 25 05 20 50.7–.36 29.86N 113.74W 15–5 4.2L ¶621618678
MEX XI 25 05 20 50.7–.43 29.91N 113.76W 18–8 4.2
IDC XI 25 05 20 53.1–1.9 29.83N 113.26W 0 3.5b,3.5
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.5km s-min=12.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=26.1km s-min=12.9km az=25.0.
ISC XI 25 16 12 30.3–1.2 29.87N–.03 113.77W–.03 25–14 36 1-4
ECX XI 25 16 12 30.5–.36 29.70N 113.71W 11–5 3.7L ¶622084113
MEX XI 25 16 12 31.5–.45 29.96N 113.70W 22–776 4.0
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=3.0km s-min=1.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.3km s-min=11.7km az=-1.0. Presumed earthquake.
ISC XI 25 16 16 39.8–1.4 29.89N–.05 113.82W–.04 7–12 22 1-4
ECX XI 25 16 16 44.0–.38 29.61N 113.74W 6–5 3.5L ¶622084114
MEX XI 25 16 16 45.5–.48 29.88N 113.95W 14 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=4.4km s-min=1.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.3km s-min=3.1km az=-1.0. Presumed earthquake.
ISC XI 25 20 42 15.9–1.4 29.84N–.03 113.78W–.03 17–9 4.4b,3.7s 131 1-98
IDC XI 25 20 42 11.4–1.3 29.38N 113.63W 0 4.3b,3.9 ¶621468834
NEIC XI 25 20 42 15.2–1.4 29.86N–.07 113.83W–.07 10–1 4.4b,3.9
MEX XI 25 20 42 15.9–.95 29.87N 113.74W 22–940 4.5,3.9
ECX XI 25 20 42 16.2–.38 29.80N 113.72W 10–3 4.3L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=11.9km az=25.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.6km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=16.1km s-min=28.0km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.8km s-min=1.3km az=-1.0. Presumed earthquake.
ISC XI 25 17 17 49.5–1.3 29.93N–.04 113.86W–.04 16–10 26 0-4
MEX XI 25 17 17 51.0–.79 29.94N 113.95W 10 4.1 ¶622084115
ECX XI 25 17 17 52.5–.43 29.88N 113.73W 0–4 3.5L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.5km s-min=18.2km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.7km s-min=1.6km az=-1.0. Presumed earthquake.
ISC XI 25 15 36 43.3–1.4 29.93N–.04 113.75W–.03 12–12 34 1-4
MEX XI 25 15 36 44.7–.42 29.97N 113.68W 10 4.0 ¶622084112
ECX XI 25 15 36 45.3–.48 29.92N 113.72W 10–5 3.3L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.6km s-min=7.9km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=4.0km s-min=4.1km az=-1.0. Presumed earthquake.
ISC XI 25 13 44 39.9–1.1 29.99N–.03 113.70W–.02 15–9 34 1-4
ECX XI 25 13 44 42.4–.29 29.91N 113.73W 14–5 3.4L ¶622084110
MEX XI 25 13 44 43.4–.48 29.91N 113.76W 20–9 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=2.8km s-min=1.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.9km s-min=8.8km az=-1.0. Presumed earthquake.
ISC XI 29 08 44 56.7–1.1 29.87N–.03 113.74W–.03 9–7 4.3b,3.7s 171 1-144
IDC XI 29 08 44 56.5–1.1 29.72N 113.59W 0 4.1b,3.9 ¶621481104
NEIC XI 29 08 44 56.9–.69 29.89N–.03 113.77W–.06 10–1 4.3b,3.9
ECX XI 29 08 44 58.1–.33 29.84N 113.81W 20–5 4.0L,3.9
MEX XI 29 08 44 58.0–.81 29.91N 113.72W 10 4.2,3.9
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=11.6km az=23.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.9km az=256.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.5km s-min=18.8km az=-1.0. Presumed earthquake.
ISC XI 29 06 24 27.1–1.1 29.99N–.02 113.63W–.02 14–8 4.1b,4.0s 135 1-100
NEIC XI 29 06 24 26.5–2.1 30.01N–.04 113.62W–.07 10–2 4.3b,4.0s ¶621481050
MEX XI 29 06 24 31.2–.79 29.91N 113.72W 9–8 4.6,4.0s
ECX XI 29 06 24 31.8–.41 29.95N 113.76W 12–5 4.0L,4.0s
IDC XI 29 06 24 32.1–1.2 29.83N 113.68W 0 4.1b,4.0s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.3km az=253.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=6.4km s-min=11.6km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.1km s-min=10.2km az=25.0.
ISC XI 25 22 50 07.6–.80 29.90N–.03 113.78W–.03 5–5 4.6b,4.1s 252 1-122
NEIC XI 25 22 50 05.5–1.7 29.89N–.05 113.89W–.02 10–2 4.6b,4.1s ¶625712796
ECX XI 25 22 50 05.9–.48 29.95N 113.77W 20–4 4.3L,4.1s

MEX XI 25 22 50 07.1–.74 29.89N 113.81W 10 4.4,4.1s
IDC XI 25 22 50 09.6–.95 29.92N 113.36W 0 4.2b,4.1
GCMT XI 25 22 50 09.7–.20 30.10N–.03 113.68W–.02 12 4.8W,4.1
GFZ XI 25 22 50 11.3–.45 30N–4.0 114W–5.0 10 5.1b,4.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111252250A. Moment Tensor Solution. s31,c34; s96,c139; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.98±.05 $M_{\theta\theta}$0.21±.05; $M_{\phi\phi}$1.77±.04; $M_{r\theta}$1.42±.25; $M_{\theta\phi}$0.32±.04; $M_{\phi r}$-0.40±.17; Best double couple: NP1:ϕ_s214.00000°,δ49.00000° ,λ-53.00000°. NP2:ϕ_s346.00000°,δ53.00000°,λ-124.00000°. Principal axes: T 1.8390,Plg2.0000°,Azm99.0000°; N 0.8960,Plg27.0000°,Azm8.0000° ; P -2.7330,Plg63.0000°,Azm194.0000° $M_0$2.28600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 26 00 15 45.5–1.2 29.90N–.03 113.75W–.03 14–11 38 1-4
ECX XI 26 00 15 47.3–.31 29.86N 113.73W 20–5 4.1L **¶622084121**
MEX XI 26 00 15 48.0–.44 29.90N 113.80W 17–5 4.2
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.2km s-min=11.8km az=-1.0. Presumed earthquake.
ISC XI 26 00 27 36.1–1.1 29.88N–.03 113.79W–.03 13–8 3.8b 122 1-97
NEIC XI 26 00 27 35.5–1.8 29.85N–.02 113.80W–.04 10–1 4.3b **¶621621969**
IDC XI 26 00 27 35.1–1.4 29.58N 113.50W 0 4.0b,3.7
MEX XI 26 00 27 38.1–.87 29.88N 113.82W 10–15 4.4,3.7
ECX XI 26 00 27 40.2–.48 29.75N 113.83W 5–4 4.2L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=2.9km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.3km s-min=11.5km az=30.0.
MEX Event type se. Error ellipse: s-maj=22.4km s-min=51.7km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=3.5km s-min=3.1km az=-1.0. Presumed earthquake.
ISC XI 26 15 34 12.1–1.2 29.94N–.03 113.78W–.03 23–13 38 1-13
ECX XI 26 15 34 13.7–.27 29.88N 113.72W 7–5 4.0L **¶621622009**
MEX XI 26 15 34 13.1–.98 29.92N 113.80W 10 4.1
IDC XI 26 15 34 14.3–5.2 29.62N 113.64W 0 3.2L,3.0
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.1km s-min=13.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=71.5km s-min=17.8km az=27.0.
ISC XI 29 20 47 36.5–1.3 29.94N–.03 113.73W–.03 14–10 39 1-4
ECX XI 29 20 47 38.2–.31 29.93N 113.76W 20–5 3.6L **¶622084143**
MEX XI 29 20 47 38.3–.45 29.97N 113.64W 18–8 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.7km s-min=10.1km az=-1.0. Presumed earthquake.
ISC XI 29 16 57 03.9–1.3 29.84N–.03 113.76W–.03 1–11 3.3s 45 1-92
IDC XI 29 16 57 01.9–1.9 29.40N 113.67W 0 4.0b,3.6 **¶621626982**
ECX XI 29 16 57 04.8–.33 29.85N 113.78W 20–5 3.8L,3.6
MEX XI 29 16 57 05.1–.84 29.84N 113.72W 18–16 4.2,3.6
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=12.8km az=35.0.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.1km s-min=11.7km az=-1.0. Presumed earthquake.
ISC XI 29 06 36 59.0–1.2 29.85N–.03 113.79W–.03 16–9 4.1b 126 1-66
NEIC XI 29 06 36 56.3–1.2 29.66N–.06 113.64W–.03 10–2 4.1b **¶621481109**
IDC XI 29 06 36 58.1–1.6 29.56N 113.55W 0 4.1b,3.7
ECX XI 29 06 36 59.9–.55 29.88N 113.82W 19–5 3.7L,3.7
MEX XI 29 06 36 59.9–.33 29.99N 113.61W 17–5 4.1,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=3.7km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.1km s-min=11.5km az=26.0.
ECX Event type se. Error ellipse: s-maj=1.9km s-min=2.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.8km s-min=9.5km az=-1.0. Presumed earthquake.
ISC XI 29 06 43 20.3–1.7 29.92N–.03 113.78W–.03 6–13 51 1-13
IDC XI 29 06 43 20.7–3.1 29.32N 113.32W 0 3.2,3.1L **¶621626956**
ECX XI 29 06 43 23.3–.41 29.90N 113.77W 16–3 3.7L,3.1L
MEX XI 29 06 43 23.6–.32 29.88N 113.84W 15–6 4.2,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=14.6km az=28.0.
ECX Event type se. Error ellipse: s-maj=1.6km s-min=1.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.4km s-min=16.3km az=-1.0. Presumed earthquake.
ISC XI 29 07 06 17.0–1.5 29.82N–.05 113.79W–.05 25–13 3.5s 33 1-120
IDC XI 29 07 06 10.8–1.5 29.19N 113.78W 0 3.9b,3.5 **¶621626958**
MEX XI 29 07 06 17.4–.77 29.88N 113.69W 11–8 4.0,3.5
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=11.6km az=26.0.
MEX Event type se. Error ellipse: s-maj=3.9km s-min=7.8km az=-1.0. Presumed earthquake.
ISC XI 29 15 26 17.4–2.5 29.3N–.20 113.9W–.10 10 12 5-41
IDC XI 29 15 26 14.4–2.8 29.22N 113.82W 0 3.5L,3.5b **¶621626978**
ISC Event type se.
IDC Error ellipse: s-maj=38.1km s-min=11.8km az=30.0.
ISC XI 29 19 23 53.3–1.2 29.89N–.03 113.73W–.02 2–8 4.6b,4.1s 174 1-100
IDC XI 29 19 23 52.7–1.5 29.63N 113.48W 0 4.2b,4.0s **¶621499044**
NEIC XI 29 19 23 53.1–2.6 29.79N–.04 113.86W–.06 10–1 4.6b,4.0s
ECX XI 29 19 23 53.7–.51 29.92N 113.73W 16–4 4.2L,4.0s
MEX XI 29 19 23 53.7–.44 29.86N 113.71W 15–5 4.5,4.0s
GCMT XI 29 19 23 59.2–.40 30.07N–.04 113.66W–.03 16–1 4.9W,4.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111291923A. Moment Tensor Solution. s14,c15; s82,c113; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.20±.18 $M_{\theta\theta}$0.22±.11; $M_{\phi\phi}$1.98±.12; $M_{r\theta}$1.06±.51; $M_{\theta\phi}$0.65±.07; $M_{\phi r}$-0.34±.29; Best double couple: NP1:ϕ_s357.00000°,δ49.00000° ,λ-121.00000°. NP2:ϕ_s219.00000°,δ49.00000°,λ-60.00000°. Principal axes: T 2.1960,Plg0.0000°,Azm288.0000°; N 0.4710,Plg23.0000°,Azm18.0000° ; P -2.6640,Plg67.0000°,Azm198.0000° $M_0$2.43000×10^{16}
ISC XI 29 22 15 30.1–1.1 29.85N–.03 113.78W–.03 15–9 39 1-4
ECX XI 29 22 15 30.7–.29 29.85N 113.78W 19–5 3.7L **¶622084144**
MEX XI 29 22 15 31.9–.53 29.87N 113.78W 19–9 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.4km s-min=2.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.0km s-min=11.9km az=-1.0. Presumed earthquake.
ISC XI 29 20 00 10.9–1.3 29.86N–.03 113.76W–.03 3–9 3.8s,3.8b 153 1-98
IDC XI 29 20 00 06.9–2.0 29.26N 113.70W 0 3.8b,3.8s **¶621499047**
ECX XI 29 20 00 11.9–.44 29.90N 113.77W 13–5 4.0L,3.8s
NEIC XI 29 20 00 12.0–2.0 29.84N–.04 113.82W–.05 10–1 4.6b,3.8s
MEX XI 29 20 00 12.4–.46 29.95N 113.62W 17–7 4.4,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=12.7km az=26.0.
ECX Event type se. Error ellipse: s-maj=1.8km s-min=1.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.5km az=242.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=4.0km s-min=8.6km az=-1.0. Presumed earthquake.
ECX XI 30 11 04 46.2–.60 29.96N 113.76W 15–5 3.3L
MEX XI 30 11 04 45.6–.65 29.94N 113.69W 10 4.1 **¶622084155**
ECX Event type se. Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.9km s-min=11.9km az=-1.0. Presumed earthquake.
ISC XII 02 05 33 53.2–1.2 29.67N–.03 113.59W–.03 14–10 3.5s 26 1-41
MEX XII 02 05 33 52.9–.41 30.07N 113.40W 10–6 4.1 **¶621629870**
ECX XII 02 05 33 53.8–.27 29.51N 113.74W 20–5 3.6L
IDC XII 02 05 33 57.2–2.7 29.55N 113.43W 0 3.4s,3.3L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.1km s-min=8.6km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.5km s-min=1.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=35.3km s-min=15.7km az=17.0.
ISC XI 30 11 30 04.0–1.1 29.92N–.03 113.74W–.03 11–9 56 1-41
ECX XI 30 11 30 04.9–.37 29.93N 113.77W 12–5 3.7L **¶621627053**
IDC XI 30 11 30 04.2–2.2 29.61N 113.41W 0 3.6b,3.4
MEX XI 30 11 30 05.2–.29 29.97N 113.60W 24–273 4.1,3.4
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.8km s-min=1.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=27.0km s-min=12.5km az=23.0.
MEX Event type se. Error ellipse: s-maj=10.7km s-min=23.7km az=-1.0. Presumed earthquake.
ISC XI 30 12 12 08.2–1.2 29.84N–.05 113.64W–.05 16–15 18 1-4
ECX XI 30 12 12 11.0–.32 29.75N 113.72W 13–5 3.3L **¶622084158**
MEX XI 30 12 12 15.7–.39 30.01N 113.53W 10 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=4.6km s-min=5.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.3km s-min=8.5km az=-1.0. Presumed earthquake.
ISC XI 30 20 23 23.2–1.8 30.09N–.03 113.84W–.03 8–14 24 1-4
MEX XI 30 20 23 24.8–.71 30.11N 113.79W 10 3.9 **¶622084165**
ECX XI 30 20 23 25.6–.23 30.06N 113.81W 17–5 2.7L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.9km s-min=14.4km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=2.1km az=-1.0. Presumed earthquake.
ISC XII 02 05 36 59.0–1.4 29.88N–.03 113.81W–.03 0–11 36 1-41
IDC XII 02 05 37 00.1–2.6 29.39N 113.72W 0 3.8b,3.7L **¶621629871**
MEX XII 02 05 37 00.6–.42 29.90N 113.64W 10 3.9,3.7L
ECX XII 02 05 37 01.7–.33 29.86N 113.75W 19–5 3.8L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=15.7km az=16.0.
MEX Event type se. Error ellipse: s-maj=3.5km s-min=8.1km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.9km s-min=2.1km az=-1.0. Presumed earthquake.
ISC XII 02 05 56 18.7–1.7 29.78N–.05 113.75W–.07 17–12 3.3s 20 1-86
IDC XII 02 05 56 14.6–3.6 29.37N 113.51W 0 3.7b,3.5 **¶621629873**
MEX XII 02 05 56 15.5–.61 29.96N 113.66W 4–5 4.0,3.5
ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=19.4km az=27.0.
MEX Event type se. Error ellipse: s-maj=5.6km s-min=10.1km az=-1.0. Presumed earthquake.
ISC XII 04 08 11 27.6–.39 24.90N–.04 109.33W–.05 17 5.1b,4.3s 507 1-137
IDC XII 04 08 11 25.5–.59 24.96N 109.19W 0 4.6b,4.6 **¶621612101**
NEIC XII 04 08 11 27.4 24.96N 109.29W 10 4.6b,4.6
MEX XII 04 08 11 27.6–.51 24.90N 109.32W 12–20 5.0,4.6
NEIC XII 04 08 11 27.4–1.2 24.97N–.07 109.28W–.06 10–1 5.1b,5.0
GFZ XII 04 08 11 28.2–.44 25N–4.0 109W–5.0 10 5.3b,5.2L
GCMT XII 04 08 11 29.9–.20 24.94N–.01 109.36W–.01 17–0 5.1W,5.2L
NEIC XII 04 08 11 35.2 24.86N 109.62W 12 5.1,5.2L
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=10.8km az=73.0.
NEIC Event type se.
MEX Event type se. Error ellipse: s-maj=10.6km s-min=16.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.8km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040811A. Moment Tensor Solution. s54,c65; s120,c189; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.41±.11 $M_{\theta\theta}$-3.38±.08; $M_{\phi\phi}$4.79±.10; $M_{r\theta}$-2.20±.29; $M_{\theta\phi}$-0.36±.08; $M_{\phi r}$-1.02±.22; Best double couple: NP1:ϕ_s137.00000° ,δ60.00000°,λ-161.00000°. NP2:ϕ_s38.00000°,δ74.00000°,λ-31.00000°. Principal axes: T 4.9540,Plg9.0000°,Azm90.0000°; N -0.0710,Plg55.0000°,Azm193.0000° ; P -4.8820,Plg33.0000°,Azm354.0000° $M_0$4.91800×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.14 $M_{\theta\theta}$-2.73 $M_{\phi\phi}$3.87 $M_{r\theta}$-1.91 $M_{\theta\phi}$0.18 $M_{\phi r}$3.75 NP1:ϕ_s45.98000°,δ34.81000° ,λ-13.67000°. NP2:ϕ_s147.27000°,δ82.25000°,λ-124.04000°. Principal axes: T 5.9397,Plg29.0000°,Azm264.0000°; N -1.1936,Plg34.0000°,Azm152.0000° ; P -4.7461,Plg43.0000°,Azm25.0000° $M_0$5.44000×10^{16}
MEX XII 04 08 12 02.5–.55 29.90N 113.79W 14–16 4.0 ¶625713511
MEX Event type se. Error ellipse: s-maj=12.6km s-min=29.1km az=-1.0. Presumed earthquake.
ISC XII 04 23 51 18.0–1.1 29.82N–.03 113.79W–.03 17–8 98 1-18
MEX XII 04 23 51 17.8–.57 29.87N 113.75W 10 4.1 **¶621612574**
NEIC XII 04 23 51 17.5–1.5 29.81N–.06 113.92W–.03 10–2 4.0b
IDC XII 04 23 51 18.1–2.8 29.47N 113.52W 0 3.4L,3.3
ECX XII 04 23 51 19.0–.41 29.94N 113.79W 9–5 3.8L,3.3
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.0km s-min=16.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=3.8km az=7.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.4km s-min=14.1km az=29.0.
ECX Event type se. Error ellipse: s-maj=2.0km s-min=1.5km az=-1.0. Presumed earthquake.
ISC XII 04 07 58 32.6–1.3 29.91N–.03 113.77W–.03 1–10 4.6b 161 1-41
IDC XII 04 07 58 30.9–2.5 29.34N 113.60W 0 4.2b,3.8 **¶621612102**
NEIC XII 04 07 58 32.8–1.6 29.87N–.04 113.83W–.04 10–2 4.6b,4.5
MEX XII 04 07 58 33.6–.44 29.95N 113.68W 11–11 4.5,4.5
ECX XII 04 07 58 34.5–.41 29.88N 113.76W 14–5 4.2L,4.5
GFZ XII 04 07 58 40.4–.37 30N–3.0 113W–4.0 10 4.4L,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
ECX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 05 14 24 10.9–1.3 29.85N–.03 113.79W–.03 16–10 43 1-6
ECX XII 05 14 24 11.6–.33 29.88N 113.75W 16–4 3.8L **¶622158712**
MEX XII 05 14 24 12.0–.91 29.76N 113.78W 10 4.3
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.9km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.0km s-min=6.4km az=-1.0. Presumed earthquake.
ISC XII 05 01 26 56.4–1.2 29.84N–.04 113.76W–.03 2–9 4.6b,4.1s 179 1-98
NEIC XII 05 01 26 57.0–1.9 29.81N–.09 113.91W–.09 10–2 4.7b,4.1s **¶621612580**
MEX XII 05 01 26 57.4–1.6 29.76N 113.81W 10 4.4,4.1s
IDC XII 05 01 26 57.2–1.0 29.79N 113.58W 0 4.2b,4.0
ECX XII 05 01 26 58.6–.35 29.79N 113.77W 14–5 4.5L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=8.4km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=8.3km s-min=16.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.3km s-min=10.0km az=42.0.
ECX Event type se. Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0. Presumed earthquake.
ISC XII 04 22 23 58.2–1.1 29.89N–.03 113.73W–.03 24–14 33 1-5
MEX XII 04 22 23 58.9–.73 29.84N 113.70W 10 4.2 **¶622158706**
ECX XII 04 22 23 59.6–.27 29.81N 113.72W 20–5 3.8L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.3km s-min=19.7km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.0km az=-1.0. Presumed earthquake.
ISC XII 04 22 57 07.0–1.2 29.82N–.03 113.80W–.03 7–10 44 1-41
MEX XII 04 22 57 07.6–.72 29.86N 113.75W 10 4.2 **¶621630697**
IDC XII 04 22 57 08.5–2.5 29.87N 113.58W 0 3.5L,3.4b
ECX XII 04 22 57 08.1–.41 29.78N 113.78W 5–4 3.8L,3.4b
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.4km s-min=17.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=31.3km s-min=13.0km az=25.0.
ECX Event type se. Error ellipse: s-maj=2.0km s-min=1.4km az=-1.0. Presumed earthquake.
ISC XII 04 23 02 12.2–1.1 29.96N–.02 113.76W–.02 10–9 3.8s 47 1-64
IDC XII 04 23 02 13.9–2.3 29.32N 113.40W 0 3.8s,3.3L **¶621630698**
ECX XII 04 23 02 13.1–.28 30.29N 113.91W 13–5 4.0L,3.3L

MEX XII 04 23 02 15.1–.51 29.82N 113.70W 10 4.2,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=12.5km az=27.0.
ECX Event type se. Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.1km s-min=13.3km az=-1.0. Presumed earthquake.
ISC XII 04 21 42 17.0–1.3 29.81N–.03 113.68W–.03 6–11 22 1-4
ECX XII 04 21 42 20.0–.52 29.66N 113.63W 5–5 3.0L **¶622158705**
MEX XII 04 21 42 24.4–.78 29.87N 113.76W 10 4.0
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=3.2km s-min=5.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.4km s-min=10.5km az=-1.0. Presumed earthquake.
ISC XII 04 21 57 21.5–1.3 29.83N–.03 113.80W–.02 8–10 95 1-22
NEIC XII 04 21 57 22.0–2.1 29.83N–.04 113.81W–.06 10–2 4.4b,4.1 **¶621612572**
MEX XII 04 21 57 23.3–.75 29.77N 113.86W 10 4.1,4.1
ECX XII 04 21 57 23.8–.24 29.79N 113.81W 14–5 3.8L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.7km az=238.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=11.5km s-min=24.5km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0. Presumed earthquake.
ISC XII 05 17 37 19.4–1.2 29.81N–.03 113.79W–.03 1–7 4.8b,4.0s 168 1-120
IDC XII 05 17 37 18.8–1.1 29.53N 113.52W 0 4.2b,4.1 **¶621613014**
ECX XII 05 17 37 19.5–.39 29.66N 113.73W 10–3 4.5L,4.1
MEX XII 05 17 37 20.3–.71 29.81N 113.80W 10 4.7,4.1
NEIC XII 05 17 37 22.0–2.3 30.06N–.05 113.77W–.06 10–1 4.8b,4.1
GCMT XII 05 17 37 24.8–.30 29.98N–.04 113.70W–.02 12 4.8W,4.1
GFZ XII 05 17 37 27.6–.30 30N–3.0 113W–3.0 10 4.7L,4.5b
ISC Event type se.
ECX Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112051737A. Moment Tensor Solution. s18,c18; s89,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.02±.06 $M_{\theta\theta}$0.38±.06; $M_{\phi\phi}$1.64±.05; $M_{r\theta}$0.55±.37; $M_{\theta\phi}$0.59±.05; $M_{\phi r}$0.16±.21; Best double couple: NP1:ϕ_s11.00000°,δ41.00000° ,λ-107.00000°. NP2:ϕ_s213.00000°,δ51.00000°,λ-76.00000°. Principal axes:
T 1.9090,Plg5.0000°,Azm293.0000°; N 0.2300,Plg11.0000°,Azm24.0000°
; P -2.1420,Plg78.0000°,Azm178.0000° $M_0$2.02500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 05 06 55 13.5–1.2 29.85N–.03 113.76W–.03 3–10 3.7s 103 1-56
MEX XII 05 06 55 13.2–.87 29.91N 113.65W 10–7 4.2 **¶621612595**
ECX XII 05 06 55 14.1–.35 29.86N 113.75W 18–5 4.0L
IDC XII 05 06 55 16.3–2.3 29.81N 113.33W 0 3.7s,3.3L
NEIC XII 05 06 55 20.9–1.2 30.18N–.03 113.23W–.08 10–2 4.3b,3.3L
GCMT XII 05 06 55 27.2–.40 30.00N–.05 113.71W–.03 13–1 4.7W,3.3L
ISC Event type se.
MEX Event type se. Presumed earthquake.
ECX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112050655A. Moment Tensor Solution. s9,c9; s72,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.34±.12 $M_{\theta\theta}$0.19±.07; $M_{\phi\phi}$1.15±.08; $M_{r\theta}$0.35±.31; $M_{\theta\phi}$0.35±.04; $M_{\phi r}$0.20±.18; Best double couple: NP1:ϕ_s8.00000°,δ39.00000° ,λ-106.00000°. NP2:ϕ_s208.00000°,δ52.00000°,λ-77.00000°. Principal axes:
T 1.2990,Plg7.0000°,Azm290.0000°; N 0.1230,Plg10.0000°,Azm21.0000°
; P -1.4230,Plg78.0000°,Azm166.0000° $M_0$1.36100×10^{16}
ISC XII 06 08 09 26.3–1.7 24.72N–.06 109.08W–.08 4–11 21 1-47
IDC XII 06 08 09 25.0–2.5 24.46N 108.86W 0 3.5b,3.3L **¶621632588**
MEX XII 06 08 09 30.1–.59 24.83N 109.17W 5 4.1,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=24.1km az=161.0.
MEX Event type se. Error ellipse: s-maj=4.5km s-min=6.5km az=-1.0. Presumed earthquake.
ISC XII 06 17 30 45.7–1.0 29.83N–.03 113.85W–.03 12–7 4.5b,4.1s 186 0-98
NEIC XII 06 17 30 47.0–2.3 29.81N–.04 113.91W–.07 10–1 4.7b,4.1s **¶621614109**
IDC XII 06 17 30 46.9–1.2 29.31N 113.26W 0 4.1s,3.8b
MEX XII 06 17 30 47.1–.51 29.91N 113.68W 14–6 4.4,3.8b
ECX XII 06 17 30 47.2–.33 29.71N 113.76W 11–5 4.4L,3.8b
GCMT XII 06 17 30 52.4–.30 29.91N–.03 113.68W–.02 12 4.9W,3.8b
GFZ XII 06 17 30 59.0–.58 30N–5.0 113W–5.0 10 5.2b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
ECX Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112061730A. Moment Tensor Solution. s23,c27; s97,c142; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.42±.07 $M_{\theta\theta}$0.27±.07; $M_{\phi\phi}$2.15±.06; $M_{r\theta}$-0.10±.34; $M_{\theta\phi}$0.91±.06; $M_{\phi r}$-0.67±.22; Best double couple: NP1:ϕ_s206.00000°,δ38.00000° ,λ-84.00000°. NP2:ϕ_s19.00000°,δ53.00000°,λ-94.00000°. Principal axes:
T 2.6070,Plg7.0000°,Azm112.0000°; N -0.0900,Plg4.0000°,Azm21.0000°
; P -2.5160,Plg82.0000°,Azm266.0000° $M_0$2.56100×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC XII 06 08 40 04.0–1.5 24.81N–.04 109.14W–.05 8–9 4.1b,3.3s 153 1-122
IDC XII 06 08 40 01.1–2.1 24.44N 108.89W 0 3.8,3.6b **¶621614101**
NEIC XII 06 08 40 04.5–1.3 24.79N–.04 109.12W–.06 10–1 4.2,4.0b
MEX XII 06 08 40 06.6–.57 24.80N 109.14W 5 4.2,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=20.6km az=145.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.0km az=248.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=4.1km s-min=5.1km az=-1.0. Presumed earthquake.
ISC XII 06 15 04 14.3–1.3 29.83N–.03 113.89W–.03 20–5 29 0-4
ECX XII 06 15 04 15.9–.32 29.92N 113.80W 10–5 3.7L **¶622158718**
MEX XII 06 15 04 16.1–.73 29.64N 114.31W 3–3 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.8km s-min=1.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.8km s-min=8.0km az=-1.0. Presumed earthquake.
ISC XII 06 17 43 40.2–2.0 24.7N–.10 109.1W–.10 10 11 1-47
IDC XII 06 17 43 39.0–4.6 24.75N 109.04W 0 3.5L,3.5b **¶621632608**
MEX XII 06 17 43 41.1–.70 24.72N 109.14W 10 4.0,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=76.6km s-min=21.5km az=155.0.
MEX Event type se. Error ellipse: s-maj=6.4km s-min=8.2km az=-1.0. Presumed earthquake.
ISC XII 07 10 59 46.9–1.2 29.68N–.04 113.97W–.03 10–10 40 0-5
ECX XII 07 10 59 48.4–.42 29.87N 113.87W 5–4 4.0L **¶622158724**
MEX XII 07 10 59 49.7–.42 29.81N 113.63W 14–17 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=4.0km s-min=3.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.2km s-min=16.7km az=-1.0. Presumed earthquake.
ISC XII 06 18 53 15.7–1.1 29.89N–.03 113.72W–.03 11–10 34 1-4
MEX XII 06 18 53 15.7–.44 29.93N 113.64W 7–8 4.0 **¶622158719**
ECX XII 06 18 53 18.1–.52 29.79N 113.76W 4–5 3.5L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.1km s-min=18.8km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0. Presumed earthquake.
ISC XII 07 11 15 11.0–1.1 29.82N–.03 113.96W–.03 17–9 36 0-5
MEX XII 07 11 15 10.7–.55 29.91N 113.59W 5–4 4.2 **¶622158725**
ECX XII 07 11 15 13.5–.28 29.74N 113.92W 9–5 4.0L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.5km s-min=16.3km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.4km s-min=1.1km az=-1.0. Presumed earthquake.
ISC XII 08 20 49 30.5–1.1 29.98N–.03 113.71W–.02 6–9 55 1-41
IDC XII 08 20 49 29.2–2.2 29.74N 113.62W 0 3.6L,3.4b **¶621634750**
ECX XII 08 20 49 31.1–.31 29.98N 113.67W 20–5 4.0L,3.4b
MEX XII 08 20 49 32.0–.39 29.93N 113.80W 10 4.2,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=12.0km az=28.0.
ECX Event type se. Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=13.3km s-min=22.6km az=-1.0. Presumed earthquake.
ISC XII 07 15 59 23.3–1.4 29.82N–.03 113.79W–.03 16–11 39 1-5
MEX XII 07 15 59 24.1–.39 29.87N 113.80W 9–3 4.3 **¶622158727**
ECX XII 07 15 59 25.3–.25 29.79N 113.76W 10–5 3.9L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=2.8km s-min=5.7km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0. Presumed earthquake.
ISC XII 07 17 11 30.8–1.1 29.92N–.03 113.76W–.03 11–9 44 1-41
IDC XII 07 17 11 26.7–2.4 29.15N 113.82W 0 3.6b,3.5L **¶621632682**
ECX XII 07 17 11 31.3–.26 29.88N 113.78W 5–2 3.6L,3.5L
MEX XII 07 17 11 31.4–.47 29.92N 113.77W 9–6 4.1,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=13.7km az=26.0.
ECX Event type se. Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.8km s-min=11.7km az=-1.0. Presumed earthquake.
ISC XII 07 18 24 27.6–1.1 29.89N–.03 113.72W–.02 15–9 41 1-6
MEX XII 07 18 24 27.8–.39 29.91N 113.65W 10 4.2 **¶622158728**
ECX XII 07 18 24 28.7–.38 29.86N 113.75W 16–4 3.7L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.4km s-min=8.2km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.7km s-min=1.4km az=-1.0. Presumed earthquake.
ISC XII 07 13 02 36.7–1.1 29.83N–.03 113.65W–.03 8–10 38 1-13
MEX XII 07 13 02 36.8–.34 29.95N 113.44W 6–7 4.2 **¶621632662**
IDC XII 07 13 02 38.0–2.9 29.20N 113.51W 0 3.3L,3.2
ECX XII 07 13 02 41.1–.58 29.65N 113.58W 1–5 4.0L,3.2
GCMT XII 07 13 02 48.0 29.75N 113.75W 10 4.8s,3.2
GCMT XII 07 13 02 49.0–.40 30.15N–.05 113.71W–.03 22–1 4.8W,3.2
ISC Event type se.
MEX Event type se. Presumed earthquake.
ECX Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202112071302A. Moment Tensor Solution. s16,c19; s63,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.91±.17 $M_{\theta\theta}$0.13±.10; $M_{\phi\phi}$1.78±.10; $M_{r\theta}$0.91±.24; $M_{\theta\phi}$0.72±.07; $M_{\phi r}$0.34±.14; Best double couple: NP1: ϕ_s3.00000°,δ39.00000°,λ-120.00000°. NP2:ϕ_s219.00000°,δ57.00000°,λ-68.00000°. Principal axes: T 2.1600,Plg9.0000°,Azm294.0000°; N 0.1000,Plg18.0000°,Azm27.0000° ; P -2.2590,Plg69.0000°,Azm177.0000° $M_0$2.21000×10^{16}
ISC XII 08 20 52 13.3–1.2 29.99N–.04 113.63W–.03 8–11 30 1-4
MEX XII 08 20 52 16.7–.52 29.83N 113.78W 10 4.1 **¶622158743**
ECX XII 08 20 52 16.0–.24 29.76N 113.65W 9–5 3.6L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.6km s-min=13.5km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.5km s-min=1.9km az=-1.0. Presumed earthquake.
ISC XII 09 15 14 27.2–1.1 29.79N–.03 113.78W–.03 18–6 37 1-4
ECX XII 09 15 14 27.5–.38 29.89N 113.78W 16–5 3.8L **¶622158757**
MEX XII 09 15 14 30.6–.34 29.58N 113.98W 13–6 4.2
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=2.6km s-min=1.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.8km s-min=9.6km az=-1.0. Presumed earthquake.
ISC XII 09 15 31 03.0–1.1 29.95N–.03 113.73W–.02 2–8 4.6b,4.0s 175 1-132
IDC XII 09 15 31 02.4–1.4 29.47N 113.34W 0 4.3b,4.1 **¶621625222**
MEX XII 09 15 31 04.4–.62 29.91N 113.68W 10 4.5,4.1
ECX XII 09 15 31 05.5–.35 29.79N 113.79W 10–5 4.4L,4.1
NEIC XII 09 15 31 05.2–1.8 30.08N–.05 113.62W–.07 10–1 4.6b,4.1
ISC Event type se.
MEX Event type se. Presumed earthquake.
ECX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 09 15 58 58.6–1.4 23.0N–.10 108.6W–.10 10 3.9s,3.7b 67 5-83
NEIC XII 09 15 59 00.6–2.5 23.1N–.10 108.6W–.10 10–2 4.1b,3.7b **¶621636580**
IDC XII 09 15 59 05.2–1.8 23.43N 108.13W 0 3.8s,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=15.3km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=21.2km az=132.0.
ISC XII 09 16 00 08.0–1.0 29.78N–.03 113.75W–.02 17–9 32 1-4
ECX XII 09 16 00 09.4–.51 29.78N 113.77W 5–5 4.0L **¶622158758**
MEX XII 09 16 00 12.3–.34 29.61N 113.71W 10–6 4.3
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.4km s-min=14.5km az=-1.0. Presumed earthquake.
ISC XII 11 01 55 36.4–1.4 24.74N–.07 109.06W–.09 10 18 1-47
IDC XII 11 01 55 33.3–4.3 24.40N 108.92W 0 3.7b,3.5L **¶621644162**
MEX XII 11 01 55 37.9–.30 24.73N 109.20W 10 4.3,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=62.5km s-min=21.9km az=158.0.
MEX Event type se. Error ellipse: s-maj=3.0km s-min=4.5km az=-1.0. Presumed earthquake.
ISC XII 11 21 55 49.3–1.5 29.76N–.03 113.82W–.03 5–12 92 1-41
NEIC XII 11 21 55 50.4–1.7 29.86N–.02 113.93W–.06 10–2 4.3,4.3b **¶621644220**
ECX XII 11 21 55 51.7–.32 29.73N 113.78W 15–4 3.9L,4.3b
IDC XII 11 21 55 52.2–2.5 29.30N 113.12W 0 3.6b,3.4L
MEX XII 11 21 55 53.1–.70 29.78N 113.85W 10 4.2,3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=3.7km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=34.9km s-min=15.4km az=13.0.
MEX Event type se. Error ellipse: s-maj=7.4km s-min=13.5km az=-1.0. Presumed earthquake.
ISC XII 11 09 53 35.4–1.6 24.71N–.09 109.33W–.05 10 18 1-18
IDC XII 11 09 53 26.7–6.0 23.65N 108.58W 0 3.3L,3.2 **¶621644182**
MEX XII 11 09 53 37.2–.39 24.65N 109.33W 17–999 4.1,3.2
ISC Event type se.
IDC Error ellipse: s-maj=80.4km s-min=30.4km az=154.0.
MEX Event type se. Error ellipse: s-maj=12.1km s-min=9.3km az=-1.0. Presumed earthquake.
ISC XII 11 09 56 11.7–.83 25.18N–.05 109.23W–.05 16 4.2b,3.9s 87 0-82
IDC XII 11 09 56 02.5–4.0 24.38N 109.04W 0 3.8,3.7s **¶621644183**
MEX XII 11 09 56 07.1–.35 24.66N 109.30W 17–68 4.3,3.7s
NEIC XII 11 09 56 12.1–1.0 25.31N–.09 109.22W–.05 10–2 4.3,4.0b
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 11 20 44 09.6–1.3 29.84N–.03 113.77W–.03 20–7 29 1-4
MEX XII 11 20 44 11.6–.88 29.71N 113.90W 14–8 4.1 **¶622158775**
ECX XII 11 20 44 11.2–.28 29.96N 113.75W 18–4 3.6L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.4km s-min=9.6km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.5km s-min=1.7km az=-1.0. Presumed earthquake.
ISC XII 11 22 00 03.3–1.1 29.79N–.03 113.85W–.03 11–8 4.4b,3.8s 137 0-88
IDC XII 11 21 59 59.8–1.6 29.32N 113.60W 0 4.1b,4.0L **¶625714170**
MEX XII 11 22 00 02.9–.44 29.85N 113.78W 10 4.3,4.0L
NEIC XII 11 22 00 02.4–2.6 29.78N–.05 114.03W–.06 10–2 4.6,4.5b
ECX XII 11 22 00 04.0–.30 29.80N 113.79W 14–5 4.1L,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=13.8km az=14.0.
MEX Event type se. Error ellipse: s-maj=4.4km s-min=8.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.7km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XII 14 02 31 32.9–.39 24.84N–.04 109.20W–.05 16 4.9b,4.8s 420 1-158
IDC XII 14 02 31 28.8–.65 24.61N 109.10W 0 4.5,4.4b **¶621629135**
MOS XII 14 02 31 30.3–1.2 24.75N 109.16W 14 5.2b,4.4b
NEIC XII 14 02 31 32.0–1.6 24.81N–.08 109.22W–.09 10–1 5.5,4.9b
MEX XII 14 02 31 32.0–.39 24.77N 109.23W 5–13 5.0,4.9b

NEIC XII 14 02 31 32 24.81N 109.22W 10 5.0,4.9b
GCMT XII 14 02 31 33.7–.30 24.69N–.02 109.24W–.02 18–1 5.1W,4.9b
GFZ XII 14 02 31 33.8–.45 25N–5.0 109W–4.0 10 5.4b,5.1L
NEIC XII 14 02 31 40 24.71N 109.33W 12 5.1,5.1L
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=11.3km az=70.0.
MOS Error ellipse: s-maj=9.3km s-min=5.5km az=90.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=10.3km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=7.7km s-min=10.3km az=-1.0. Presumed earthquake.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112140231A. Moment Tensor Solution. s27,c28; s87,c140; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.11±.24 $M_{\theta\theta}$-3.20±.18; $M_{\phi\phi}$5.30±.20; $M_{r\theta}$-1.46±.49; $M_{\theta\phi}$-3.43±.15; $M_{\phi r}$-0.17±.38; Best double couple: NP1:ϕ_s23.00000°,δ71.00000°,λ-17.00000°. NP2:ϕ_s119.00000°,δ74.00000°,λ-160.00000°. Principal axes:
T 6.5240,Plg2.0000°,Azm250.0000°; N -1.4340,Plg64.0000°,Azm156.0000°
; P -5.1000,Plg26.0000°,Azm341.0000° $M_0$5.81200×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.66 $M_{\theta\theta}$-2.63 $M_{\phi\phi}$4.30 $M_{r\theta}$-1.96 $M_{\theta\phi}$-2.28 $M_{\phi r}$0.50 NP1:ϕ_s24.28000°,δ60.18000°,λ-18.27000°. NP2:ϕ_s123.61000°,δ74.21000°,λ-148.89000°. Principal axes:
T 5.1469,Plg9.0000°,Azm251.0000°; N -0.7055,Plg55.0000°,Azm148.0000°
; P -4.4414,Plg33.0000°,Azm347.0000° $M_0$4.83000×10^{16}
ISC XII 11 21 00 54.9–1.7 24.79N–.05 109.12W–.05 12–10 4.1b,4.0s 137 1-123
IDC XII 11 21 00 52.4–1.2 24.56N 109.00W 0 4.0s,3.7L **¶621627534**
MEX XII 11 21 00 55.6–.45 24.72N 109.25W 10 4.3,3.7L
NEIC XII 11 21 00 55.5–1.8 24.78N–.04 109.10W–.06 10–1 4.5,4.1b
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 11 21 18 09.3–1.8 24.7N–.10 109.29W–.09 10 15 1-47
IDC XII 11 21 18 13.8–4.4 25.31N 109.82W 0 3.6L,3.1b **¶621644216**
MEX XII 11 21 18 14.5–.54 24.69N 109.26W 10 4.2,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=58.0km s-min=21.3km az=168.0.
MEX Event type se. Error ellipse: s-maj=5.5km s-min=7.7km az=-1.0. Presumed earthquake.
ISC XII 11 21 32 19.2–1.3 29.83N–.03 113.77W–.03 8–11 28 1-4
ECX XII 11 21 32 23.1–.34 29.79N 113.76W 4–4 3.2L **¶622158776**
MEX XII 11 21 32 24.7–.42 29.82N 113.77W 10 3.9
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.7km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.9km s-min=6.8km az=-1.0. Presumed earthquake.
ISC XII 12 06 20 10.9–.95 24.99N–.06 108.97W–.07 16 3.8b,3.6s 24 1-75
IDC XII 12 06 20 07.6–1.3 24.82N 109.33W 0 3.6s,3.4b **¶621650474**
MEX XII 12 06 20 10.4–1.1 24.79N 109.12W 10 4.3,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=17.1km az=113.0.
MEX Event type se. Error ellipse: s-maj=9.7km s-min=11.5km az=-1.0. Presumed earthquake.
ISC XII 12 06 33 02.2–1.1 24.58N–.05 109.39W–.04 10 3.4s 27 1-38
IDC XII 12 06 32 59.9–3.5 24.24N 109.03W 0 3.4L,3.3 **¶621650477**
MEX XII 12 06 33 05.3–.50 24.60N 109.36W 10 4.1,3.3
ECX XII 12 06 33 06.0–.51 24.84N 109.55W 10 3.7L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=19.8km az=157.0.
MEX Event type se. Error ellipse: s-maj=6.5km s-min=8.8km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. Presumed earthquake.
ISC XII 15 10 38 40.8–.53 29.80N–.02 113.88W–.03 10–3 4.7b,4.3s 237 0-99
IDC XII 15 10 38 39.2–1.0 29.53N 113.57W 0 4.3b,4.2 **¶621630240**
NEIC XII 15 10 38 40.0–1.8 29.91N–.03 113.80W–.04 10–1 4.8b,4.7
ECX XII 15 10 38 40.1–.31 29.60N 113.76W 14–5 4.6L,4.7
MEX XII 15 10 38 40.5–.79 29.74N 113.85W 10 4.7,4.7
GCMT XII 15 10 38 45.8–.20 29.97N–.02 113.69W–.01 12 5.0W,4.7
GFZ XII 15 10 38 46.5–.35 30N–3.0 113W–4.0 10 5.2b,4.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112151038A. Moment Tensor Solution. s43,c50; s110,c178; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.13±.07 $M_{\theta\theta}$0.18±.07; $M_{\phi\phi}$2.94±.06; $M_{r\theta}$0.80±.31; $M_{\theta\phi}$1.07±.06; $M_{\phi r}$-0.67±.21; Best double couple: NP1:ϕ_s215.00000°,δ44.00000°,λ-66.00000°. NP2:ϕ_s3.00000°,δ51.00000°,λ-112.00000°. Principal axes:
T 3.3290,Plg3.0000°,Azm108.0000°; N 0.1050,Plg17.0000°,Azm17.0000°
; P -3.4410,Plg73.0000°,Azm209.0000° $M_0$3.38500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 14 20 13 41.8–1.1 25.01N–.05 109.03W–.06 16 19 1-47
MEX XII 14 20 13 39.2–.66 24.76N 109.31W 22–148 4.0 **¶621652954**
IDC XII 14 20 13 42.9–5.7 24.85N 110.56W 0 3.6L,3.4b
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=95.6km s-min=133.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=83.7km s-min=25.9km az=174.0.
ISC XII 14 01 07 33.5–1.0 24.80N–.06 109.18W–.07 16 4.0b,3.4s 28 1-93
IDC XII 14 01 07 28.4–1.9 24.40N 108.90W 0 4.1L,3.9b **¶621652849**
MEX XII 14 01 07 33.5–.40 24.72N 109.21W 10 4.2,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=16.8km az=151.0.
MEX Event type se. Error ellipse: s-maj=4.0km s-min=6.4km az=-1.0. Presumed earthquake.
ISC XII 17 04 30 38.2–1.7 24.74N–.09 109.13W–.09 10 16 1-47
IDC XII 17 04 30 32.7–4.8 24.22N 108.84W 0 3.3L,3.3b **¶621656911**
MEX XII 17 04 30 38.1–.49 24.76N 109.15W 10 4.1,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=70.7km s-min=23.0km az=156.0.
MEX Event type se. Error ellipse: s-maj=6.2km s-min=8.6km az=-1.0. Presumed earthquake.
ISC XII 15 09 11 12.3–1.3 29.73N–.04 113.95W–.03 23–15 29 0-5
ECX XII 15 09 11 12.8–.31 29.71N 113.77W 10–3 3.7L **¶622158797**
MEX XII 15 09 11 13.0–.55 29.75N 113.95W 10 4.2
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=3.4km s-min=1.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=12.7km s-min=20.9km az=-1.0. Presumed earthquake.
ISC XII 15 22 06 35.8–1.2 29.79N–.03 113.77W–.03 15–9 3.5b,3.4s 95 1-45
MEX XII 15 22 06 34.7–.71 30.02N 113.48W 10 4.0,3.4s **¶621654146**
IDC XII 15 22 06 34.1–2.1 29.60N 113.44W 0 3.6L,3.6b
NEIC XII 15 22 06 34.9–1.9 29.79N–.05 113.85W–.07 10–2 4.3b,3.6b
ECX XII 15 22 06 36.8–.45 29.78N 113.76W 7–5 4.0L,3.6b
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.7km s-min=9.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=26.2km s-min=12.2km az=20.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=4.7km az=53.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Error ellipse: s-maj=5.1km s-min=1.6km az=-1.0. Presumed earthquake.
ISC XII 17 02 59 57.5–1.5 24.76N–.05 109.09W–.05 11–8 4.4b,3.9s 153 1-123
IDC XII 17 02 59 55.5–.83 24.73N 109.21W 0 4.1b,4.0 **¶621631531**
MEX XII 17 02 59 57.2–.48 24.67N 109.21W 15–208 4.5,4.0
GFZ XII 17 02 59 57.1–.47 25N–5.0 109W–4.0 10 4.5L,4.1b
NEIC XII 17 02 59 58.8–2.8 24.83N–.04 109.11W–.07 10–1 4.5,4.4b
ISC Event type se.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 08 19 13.0–1.4 29.88N–.04 113.83W–.04 4–11 27 1-41
ECX XII 18 08 19 16.5–.34 29.69N 113.80W 6–4 3.6L **¶621656985**
MEX XII 18 08 19 17.7–.44 29.82N 113.80W 21–194 4.1
IDC XII 18 08 19 18.2–3.0 29.40N 113.36W 0 3.4b,3.2L
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=3.8km s-min=1.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.7km s-min=9.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=42.4km s-min=13.1km az=28.0.
ISC XII 18 02 41 23.4–1.0 29.75N–.03 113.82W–.02 12–7 4.2b,4.1s 140 1-99
IDC XII 18 02 41 20.9–1.4 29.36N 113.42W 0 4.0s,3.8b **¶621633322**
MEX XII 18 02 41 22.9–1.0 29.78N 113.86W 9–9 4.6,3.8b
ECX XII 18 02 41 23.4–.25 29.71N 113.79W 16–5 4.5L,3.8b
NEIC XII 18 02 41 23.2–2.7 29.87N–.05 113.89W–.08 10–2 4.5b,3.8b
GCMT XII 18 02 41 28.7–.30 29.97N–.03 113.68W–.02 12 4.8W,3.8b
ISC Event type se.
MEX Event type se. Presumed earthquake.
ECX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112180241A. Moment Tensor Solution. s10,c10; s85,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.63±.05 $M_{\theta\theta}$0.11±.05; $M_{\phi\phi}$1.52±.04; $M_{r\theta}$0.12±.27; $M_{\theta\phi}$0.58±.04; $M_{\phi r}$-0.24±.18; Best double couple: NP1:ϕ_s207.00000°,δ42.00000°,λ-80.00000°. NP2:ϕ_s13.00000°,δ49.00000°,λ-99.00000°. Principal axes:
T 1.7370,Plg3.0000°,Azm109.0000°; N -0.0730,Plg7.0000°,Azm19.0000°
; P -1.6630,Plg82.0000°,Azm224.0000° $M_0$1.70000×10^{16}
ISC XII 18 08 32 38.9–1.2 29.86N–.03 113.72W–.03 3–9 4.5b,3.9s 172 1-120
NEIC XII 18 08 32 39.5–1.1 29.83N–.04 113.79W–.05 10–1 4.7b,3.9s **¶621633379**
ECX XII 18 08 32 40.3–.31 29.82N 113.75W 13–5 4.3L,3.9s
IDC XII 18 08 32 41.5–.98 29.72N 113.46W 0 4.1b,3.8
MEX XII 18 08 32 42.1–.51 29.84N 113.73W 20–12 4.6,3.8
GCMT XII 18 08 32 44.4–.40 29.94N–.05 113.73W–.03 12 4.6W,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112180832A. Moment Tensor Solution. s4,c4; s68,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.12±.05 $M_{\theta\theta}$0.16±.05; $M_{\phi\phi}$0.95±.04; $M_{r\theta}$0.11±.28; $M_{\theta\phi}$0.48±.04; $M_{\phi r}$-0.10±.17; Best double couple: NP1:ϕ_s213.00000°,δ44.00000°,λ-79.00000°. NP2:ϕ_s18.00000°,δ47.00000°,λ-100.00000°. Principal axes:
T 1.1810,Plg1.0000°,Azm115.0000°; N -0.0410,Plg8.0000°,Azm25.0000°
; P -1.1400,Plg82.0000°,Azm214.0000° $M_0$1.16000×10^{16}
ISC XII 18 08 44 18.1–1.3 29.87N–.04 113.75W–.03 10–13 22 1-2
MEX XII 18 08 44 20.6–.33 29.85N 113.69W 20–10 3.9 **¶625714724**
ECX XII 18 08 44 20.2–.30 29.81N 113.74W 13–5 3.5L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.6km s-min=16.7km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XII 19 08 50 38.0–1.2 30.13N–.03 113.82W–.03 6–10 47 1-40
IDC XII 19 08 50 32.9–4.6 29.31N 113.90W 0 3.5L,3.2b **¶621657068**
MEX XII 19 08 50 40.8–1.1 30.02N 114.03W 4–3 4.1,3.2b
ECX XII 19 08 50 41.1–.29 30.15N 113.74W 19–5 3.8L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=84.8km s-min=16.9km az=20.0.
MEX Event type se. Error ellipse: s-maj=5.7km s-min=7.8km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0. Presumed earthquake.
ISC XII 19 10 27 34.0–.75 29.87N–.02 113.76W–.03 5–4 4.9b,4.1s 332 1-132
IDC XII 19 10 27 32.1–.67 29.68N 113.60W 0 4.5b,4.4 **¶621633681**
ECX XII 19 10 27 33.8–.41 29.82N 113.78W 15–5 4.8L,4.4
MEX XII 19 10 27 34.0–.97 29.90N 113.75W 15–8 5.1,4.4
NEIC XII 19 10 27 35.7–1.4 30.01N–.06 113.76W–.06 10–1 4.9b,4.6
NEIC XII 19 10 27 35.4 29.93N 113.77W 10 4.9b,4.6
GCMT XII 19 10 27 37.9–.30 29.94N–.03 113.70W–.02 12 4.8W,4.6
GFZ XII 19 10 27 41.5–.45 30N–3.0 113W–5.0 10 5.1b,4.9L
ISC Event type se.
ECX Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.16 $M_{\theta\theta}$0.35 $M_{\phi\phi}$0.81 $M_{r\theta}$-0.33 $M_{\theta\phi}$0.38 $M_{\phi r}$-0.15 NP1:ϕ_s38.71000°,δ53.18000°,λ-79.36000°. NP2:ϕ_s201.31000°,δ38.12000°,λ-103.85000°. Principal axes: T 1.0666,Plg8.0000°,Azm121.0000°; N 0.1606,Plg9.0000°,Azm212.0000°; P -1.2272,Plg79.0000°,Azm350.0000° $M_0$1.16000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112191027A. Moment Tensor Solution. s21,c22; s105,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.11±.05 $M_{\theta\theta}$0.62±.05; $M_{\phi\phi}$1.49±.05; $M_{r\theta}$-0.03±.27; $M_{\theta\phi}$0.88±.04; $M_{\phi r}$-0.15±.19; Best double couple: NP1:ϕ_s213.00000°,δ43.00000°,λ-88.00000°. NP2:ϕ_s30.00000°,δ47.00000°,λ-92.00000°. Principal axes:
T 2.0430,Plg2.0000°,Azm122.0000°; N 0.0740,Plg1.0000°,Azm32.0000°
; P -2.1170,Plg87.0000°,Azm266.0000° $M_0$2.08000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 18 09 24 25.7–1.7 29.84N–.06 113.78W–.03 11–14 30 1-5
MEX XII 18 09 24 27.3–.59 29.83N 113.76W 10 4.0 **¶622158824**
ECX XII 18 09 24 28.0–.32 29.76N 113.78W 5–3 3.2L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.9km s-min=18.1km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.6km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XII 18 09 45 30.6–1.4 29.78N–.03 113.75W–.03 0–12 3.5s 40 1-66
IDC XII 18 09 45 29.0–2.6 28.88N 113.33W 0 3.5s,3.4b **¶621656990**
MEX XII 18 09 45 34.6–.63 29.77N 113.81W 10 4.2,3.4b
ECX XII 18 09 45 35.9–.35 29.66N 113.76W 13–5 3.8L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=14.6km az=10.0.
MEX Event type se. Error ellipse: s-maj=8.7km s-min=18.0km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.4km az=-1.0. Presumed earthquake.
ISC XII 19 05 34 00.6–1.3 30.12N–.03 113.72W–.04 34–3 34 1-3
ECX XII 19 05 34 00.9–.36 30.08N 113.71W 8–3 3.6L **¶622158831**
MEX XII 19 05 34 13.7–.72 30.71N 114.45W 16–999 4.0
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=1.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ISC XII 19 05 49 38.8–1.5 31.58N–.05 114.43W–.04 15–11 24 0-2
MEX XII 19 05 49 41.6–1.0 31.58N 114.58W 9–9 3.6 **¶622158832**
ECX XII 19 05 49 41.7–.35 31.54N 114.45W 20–5 2.5L,2.3
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.6km s-min=8.0km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0. Presumed earthquake.
ISC XII 19 09 02 16.7–1.2 30.18N–.03 113.82W–.02 13–11 36 1-5
MEX XII 19 09 02 19.9–.50 30.05N 114.06W 6–4 4.0 **¶622158833**
ECX XII 19 09 02 19.1–.27 30.17N 113.73W 18–5 3.5L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=3.8km s-min=7.5km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=3.0km s-min=2.4km az=-1.0. Presumed earthquake.
ISC XII 25 12 56 48.3–1.2 30.02N–.03 113.66W–.03 11–11 35 1-5
ECX XII 25 12 56 49.7–.30 30.02N 113.69W 8–4 3.7L **¶622158858**
MEX XII 25 12 56 50.6–.59 30.03N 113.60W 16–9 4.2
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.9km s-min=16.0km az=-1.0. Presumed earthquake.
ISC XII 22 20 05 45.4–1.3 30.09N–.03 113.75W–.03 4–12 27 1-3
ECX XII 22 20 05 47.7–.31 30.07N 113.69W 10–4 3.3L **¶622158846**
MEX XII 22 20 05 50.3–1.0 29.98N 113.90W 10 3.9
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=2.0km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.0km s-min=11.7km az=-1.0. Presumed earthquake.
ISC XII 23 16 15 03.1–1.5 25.28N–.10 109.83W–.06 10 3.3s 20 1-58
IDC XII 23 16 15 00.9–4.4 25.00N 109.48W 0 3.5,3.4L **¶621686836**
MEX XII 23 16 15 05.6–.41 25.32N 109.84W 10 4.2,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=60.2km s-min=19.3km az=165.0.

MEX Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=-1.0. Presumed earthquake.
ISC XII 25 04 38 13.7–1.3 29.88N–.03 113.82W–.03 5–10 53 1-67
ECX XII 25 04 38 15.3–.42 29.90N 113.84W 5–4 3.9L **¶621700136**
IDC XII 25 04 38 15.1–2.4 29.49N 113.50W 0 3.6s,3.4L
MEX XII 25 04 38 16.3–.86 29.85N 113.74W 10 4.3,3.4L
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=2.3km s-min=3.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=29.6km s-min=15.1km az=14.0.
MEX Event type se. Error ellipse: s-maj=7.6km s-min=14.8km az=-1.0. Presumed earthquake.
ISC XII 23 14 13 22.9–.45 27.51N–.03 111.49W–.03 10 4.5b,3.7s 119 1-102
MEX XII 23 14 13 22.3–.42 27.27N 111.22W 16–16 4.6,3.7s **¶621650624**
IDC XII 23 14 13 23.7–1.1 27.39N 111.18W 0 4.0b,3.8
NEIC XII 23 14 13 24.0–1.9 27.59N–.06 111.58W–.06 10–1 4.5b,3.8
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 24 05 44 48.8–1.1 29.86N–.02 113.77W–.03 2–7 4.7b,4.0s 227 1-100
MEX XII 24 05 44 49.5–.72 29.88N 113.73W 10 4.7,4.0s **¶621652221**
IDC XII 24 05 44 50.0–.86 29.65N 113.53W 0 4.3b,4.0
NEIC XII 24 05 44 50.2–1.7 29.99N–.04 113.72W–.05 10–1 4.9b,4.0
ECX XII 24 05 44 51.1–.26 29.85N 113.77W 20–5 4.4L,4.0
GFZ XII 24 05 44 55.0–.38 30N–3.0 114W–5.0 10 5.0b,4.8L
GCMT XII 24 05 44 54.5–.30 29.88N–.04 113.75W–.03 12 4.7W,4.8L
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112240544A. Moment Tensor Solution. s7,c7; s72,c102; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.51±.06 $M_{\theta\theta}$0.15±.06; $M_{\phi\phi}$1.36±.05; $M_{r\theta}$-0.37±.39; $M_{\theta\phi}$0.54±.05; $M_{\phi r}$0.14±.21; Best double couple: NP1:ϕ_s187.00000°,δ47.00000°,λ-110.00000°. NP2:ϕ_s34.00000°,δ47.00000°,λ-70.00000°. Principal axes: T 1.5630,Plg0.0000°,Azm111.0000°; N 0.0480,Plg14.0000°,Azm201.0000°; P -1.6090,Plg76.0000°,Azm21.0000° $M_0$1.58600×10^{16}
ISC XII 24 06 33 00.9–1.3 29.85N–.03 113.75W–.03 8–10 3.4s 51 1-66
IDC XII 24 06 33 00.9–2.1 29.37N 113.34W 0 3.8b,3.6L **¶621700074**
MEX XII 24 06 33 03.7–.72 29.85N 113.71W 18–13 4.4,3.6L
ECX XII 24 06 33 03.6–.40 29.75N 113.74W 15–5 4.0L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=12.5km az=20.0.
MEX Event type se. Error ellipse: s-maj=5.2km s-min=7.6km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=3.0km s-min=1.6km az=-1.0. Presumed earthquake.
ISC XII 24 17 33 15.7–1.1 29.78N–.04 113.74W–.04 17–9 19 1-2
MEX XII 24 17 33 15.9–1.2 29.77N 113.71W 10 4.0 **¶622158853**
ECX XII 24 17 33 17.0–.47 29.71N 113.72W 10–5 3.3L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=11.3km s-min=22.5km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=3.0km s-min=2.0km az=-1.0. Presumed earthquake.
ISC XII 24 17 38 02.2–1.4 29.80N–.03 113.71W–.03 5–11 38 1-6
MEX XII 24 17 38 05.8–1.2 29.83N 113.82W 10 4.3 **¶622158854**
ECX XII 24 17 38 06.0–.39 29.77N 113.73W 16–5 4.0L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.3km s-min=10.8km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.9km s-min=1.5km az=-1.0. Presumed earthquake.
ISC XII 26 09 22 33.3–1.3 29.87N–.03 113.75W–.03 5–11 4.2s 53 1-93
ECX XII 26 09 22 33.6–.42 29.91N 113.74W 17–3 4.3L **¶621700211**
IDC XII 26 09 22 34.3–2.3 29.70N 113.44W 0 4.2s,3.6b
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=30.0km s-min=12.8km az=25.0.
ECX XII 25 07 54 48.7–.24 29.56N 113.33W 20–5 3.9L ¶635941047
ECX Event type se. Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0. Presumed earthquake.
ISC XII 25 07 55 07.8–1.3 29.69N–.05 113.92W–.05 16–11 3.9s 33 1-41
MEX XII 25 07 55 07.7–.49 29.71N 113.97W 10 4.4 **¶621700139**
IDC XII 25 07 55 07.8–2.2 29.73N 113.44W 0 3.7s,3.5b
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.1km s-min=10.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=29.1km s-min=13.3km az=13.0.
ISC XII 25 08 17 46.5–1.3 29.98N–.03 113.84W–.03 11–10 34 1-4
ECX XII 25 08 17 46.9–.25 30.10N 113.92W 16–5 3.6L **¶622158856**
MEX XII 25 08 17 48.2–.43 29.94N 113.73W 10 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=2.9km s-min=3.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.4km s-min=7.8km az=-1.0. Presumed earthquake.
ISC XII 26 21 09 31.2–1.3 29.82N–.03 113.81W–.03 15–10 3.5s,3.5b 101 1-45
IDC XII 26 21 09 25.5–2.9 29.09N 113.49W 0 3.7b,3.6 **¶621700257**
NEIC XII 26 21 09 30.4–1.5 29.77N–.04 113.83W–.07 10–2 4.1b,3.6
MEX XII 26 21 09 31.0–.78 29.75N 114.08W 15 4.3,3.6
ECX XII 26 21 09 32.2–.30 29.88N 113.77W 20–5 3.7L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=19.9km az=6.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.0km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=7.7km s-min=12.7km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.3km az=-1.0. Presumed earthquake.
ISC XII 26 12 51 12.8–1.9 29.77N–.04 113.81W–.04 2–14 3.5s,3.4b 32 1-70
IDC XII 26 12 51 11.2–2.2 29.42N 113.67W 0 3.6b,3.5s **¶621700219**
MEX XII 26 12 51 14.7–.39 29.98N 113.58W 16–7 4.2,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=14.7km az=12.0.
MEX Event type se. Error ellipse: s-maj=4.7km s-min=11.8km az=-1.0. Presumed earthquake.
ISC XII 26 18 43 30.2–1.2 29.96N–.03 113.75W–.03 5–8 4.6b,3.9s 166 1-145
MEX XII 26 18 43 30.6–.55 30.04N 113.56W 11–7 4.6,3.9s **¶621653683**
ECX XII 26 18 43 31.5–.40 29.97N 113.78W 19–4 4.2L,3.9s
IDC XII 26 18 43 31.7–1.0 29.89N 113.45W 0 4.1b,3.9
NEIC XII 26 18 43 31.3–1.9 29.92N–.04 113.81W–.05 10–1 4.7b,3.9
ISC Event type se.
MEX Event type se. Presumed earthquake.
ECX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 27 14 10 55.4–.71 29.87N–.03 113.80W–.03 10 44 1-41
IDC XII 27 14 10 52.8–2.2 29.50N 113.51W 0 3.5b,3.4L **¶621717319**
ECX XII 27 14 10 54.3–.23 29.88N 113.76W 2–3 3.5L,3.4L
MEX XII 27 14 10 54.4–.83 29.89N 113.73W 6–7 4.1,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=12.8km az=21.0.
ECX Event type se. Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.0km s-min=19.0km az=-1.0. Presumed earthquake.
ISC XII 26 20 41 37.2–1.1 29.96N–.03 113.73W–.02 14–9 37 1-4
MEX XII 26 20 41 21.0–.58 30.50N 112.54W 10 4.0 **¶622158868**
ECX XII 26 20 41 39.0–.41 29.88N 113.72W 19–5 3.5L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.0km s-min=10.0km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.4km s-min=2.1km az=-1.0. Presumed earthquake.
ISC XII 27 14 27 52.4–1.2 29.81N–.03 113.89W–.03 9–10 25 0-4
MEX XII 27 14 27 43.2–.52 30.37N 112.71W 13–9 4.0 **¶622158872**
ECX XII 27 14 27 54.4–.32 29.73N 113.81W 5–4 3.1L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.6km s-min=6.7km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XII 27 18 45 20.2–1.5 29.73N–.03 113.89W–.03 13–12 54 0-19
ECX XII 27 18 45 21.4–.41 29.75N 113.88W 15–3 3.8L **¶621717332**
MEX XII 27 18 45 21.2–.44 29.74N 113.86W 10 4.3
IDC XII 27 18 45 25.7–2.7 29.77N 113.46W 0 3.5L,3.4
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.7km s-min=6.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=32.5km s-min=12.4km az=25.0.
ISC XII 28 03 48 44.5–1.2 29.84N–.03 113.76W–.03 12–9 3.3s,3.2b 47 1-45
IDC XII 28 03 48 43.3–1.9 29.51N 113.55W 0 3.4L,3.4 **¶621717361**
MEX XII 28 03 48 44.8–.34 29.90N 113.74W 14–6 4.1,3.4
ECX XII 28 03 48 45.5–.34 29.80N 113.77W 5–3 3.9L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=13.4km az=24.0.
MEX Event type se. Error ellipse: s-maj=2.4km s-min=4.6km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=3.2km s-min=2.1km az=-1.0. Presumed earthquake.
ISC XII 27 10 28 05.5–1.2 29.91N–.03 113.81W–.03 5–10 44 1-6
ECX XII 27 10 28 07.9–.40 29.87N 113.75W 8–5 3.6L **¶622158871**
MEX XII 27 10 28 07.6–.64 29.84N 113.85W 10 4.2
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.6km s-min=1.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=16.4km s-min=42.1km az=-1.0. Presumed earthquake.
ISC XII 27 16 28 05.3–1.1 29.74N–.03 113.70W–.03 10–10 27 1-4
ECX XII 27 16 28 05.4–.42 29.90N 113.65W 5–5 3.1L **¶622158873**
MEX XII 27 16 28 10.2–1.0 29.35N 114.31W 11–28 4.1
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=13.4km s-min=14.3km az=-1.0. Presumed earthquake.
ISC XII 28 02 00 59.4–1.2 29.86N–.03 113.74W–.03 34–3 34 1-4
MEX XII 28 02 00 58.6–.36 29.97N 113.56W 13–7 4.1 **¶622158877**
ECX XII 28 02 01 00.2–.27 29.80N 113.75W 10–5 3.5L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.3km s-min=16.1km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.4km s-min=1.0km az=-1.0. Presumed earthquake.
ISC XII 28 07 18 52.8–1.6 29.76N–.03 113.83W–.03 17–13 40 1-4
ECX XII 28 07 18 54.9–.33 29.78N 113.78W 13–3 3.8L **¶622158878**
MEX XII 28 07 18 55.1–.62 29.90N 113.69W 13–13 4.2
ISC Event type se.
ECX Event type se. Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.8km s-min=14.9km az=-1.0. Presumed earthquake.
ISC XII 28 02 43 56.5–1.0 29.89N–.02 113.73W–.03 13–8 3.6s 108 1-64
NEIC XII 28 02 43 56.8–1.5 29.90N–.03 113.69W–.06 10–2 4.1b **¶621717359**
MEX XII 28 02 43 58.4–.33 29.95N 113.58W 16–7 4.5
ECX XII 28 02 43 59.1–.43 29.86N 113.79W 19–5 4.0L
IDC XII 28 02 44 00.2–1.9 29.66N 113.41W 0 3.6s,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.7km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=2.8km s-min=5.8km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.7km s-min=2.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=26.1km s-min=13.4km az=24.0.
ISC XII 28 00 31 05.1–1.5 29.77N–.03 113.85W–.03 4–11 3.4b 57 0-41
MEX XII 28 00 31 03.2–.46 29.59N 113.96W 10–8 4.2 **¶621717351**
IDC XII 28 00 31 03.8–2.5 29.39N 113.63W 0 3.6b,3.5
ECX XII 28 00 31 06.6–.51 29.89N 113.78W 15–5 3.5L,3.5
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.2km s-min=11.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=35.4km s-min=14.6km az=16.0.
ECX Event type se. Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0. Presumed earthquake.
ISC XII 28 01 30 36.6–1.1 29.80N–.03 113.74W–.03 15–9 38 1-4
MEX XII 28 01 30 37.9–.47 29.92N 113.64W 12–8 4.2 **¶622158876**
ECX XII 28 01 30 38.9–.40 29.78N 113.76W 5–4 3.6L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.4km s-min=11.5km az=-1.0. Presumed earthquake.
ECX Event type se. Error ellipse: s-maj=2.3km s-min=1.4km az=-1.0. Presumed earthquake.

(50) Sonora.

ISC VII 31 21 19 10.9–.57 30.27N–.03 109.23W–.03 5–3 4.8b,4.7s 508 0-142
IDC VII 31 21 19 10.7–.41 30.35N 109.09W 0 4.5b,4.5 **¶620925383**
NEIC VII 31 21 19 12.7 30.44N 109.20W 10 4.5b,4.5
NEIC VII 31 21 19 12 30.41N 109.31W 14 5.1,4.5
GFZ VII 31 21 19 12.3–.22 30N–4.0 109W–3.0 10 4.9b,4.9
GFZ VII 31 21 19 12.3 30.27N 109.20W 10 5.1W,4.9
NEIC VII 31 21 19 12.8–1.3 30.45N–.04 109.12W–.04 10–1 5.1,4.8b
MEX VII 31 21 19 12.5–2.3 30.19N 109.30W 8 5.1,4.8b
NEIC VII 31 21 19 13.2 29.94N 109.32W 14 5.2,4.8b
GCMT VII 31 21 19 13.9–.10 30.39N–.01 109.17W–.01 12 5.2W,4.8b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$5.07000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.91 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$4.89 $M_{r\theta}$-1.09 $M_{\theta\phi}$-1.20 $M_{\phi r}$1.32 NP1: ϕ_s155.56871°,δ55.80632°,λ-107.06282°. NP2:ϕ_s4.20970°,δ37.74577°,λ-66.64257°. Principal axes: T 5.3714,Plg9.3082°,Azm257.7056°; N -1.0134,Plg14.0460°,Azm165.3555°; P -4.3580,Plg73.0427°,Azm20.2217° $M_0$4.94323×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s173.01000°,δ50.73000°,λ-77.04000°.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ9 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.24 $M_{\theta\theta}$-2.23 $M_{\phi\phi}$6.46 $M_{r\theta}$-3.62 $M_{\theta\phi}$-0.32 $M_{\phi r}$5.95 NP1:ϕ_s27.85000°,δ27.11000°,λ-38.27000°. NP2:ϕ_s152.92000°,δ73.61000°,λ-111.90000°. Principal axes: T 9.3992,Plg25.0000°,Azm260.0000°; N -0.8643,Plg21.0000°,Azm159.0000°; P -8.5349,Plg56.0000°,Azm35.0000° $M_0$9.00000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107312119A. Moment Tensor Solution. s78,c106; s132,c239;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.48±.10 $M_{\theta\theta}$-1.29±.10; $M_{\phi\phi}$6.77±.08; $M_{r\theta}$-2.13±.33; $M_{\theta\phi}$-1.44±.08; $M_{\phi r}$2.18±.24; Best double couple: NP1:ϕ_s10.00000°,δ37.00000°,λ-59.00000°. NP2:ϕ_s153.00000°,δ59.00000°,λ-111.00000°. Principal axes: T 7.5180,Plg11.0000°,Azm258.0000°; N -0.9760,Plg18.0000°,Azm164.0000°; P -6.5410,Plg69.0000°,Azm18.0000° $M_0$7.02900×10^{16}
ISC VIII 18 12 33 53.5–1.3 30.32N–.04 109.15W–.03 6–10 3.5b 111 0-101
NEIC VIII 18 12 33 54.2–1.2 30.35N–.05 109.19W–.06 10–7 4.4,4.1b **¶621030375**
MEX VIII 18 12 33 55.5–.66 30.31N 109.23W 10 4.4,4.1b
IDC VIII 18 12 33 56.6–2.5 30.45N 108.98W 12–16 3.7L,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.3km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=6.0km s-min=2.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.4km s-min=9.1km az=28.0.
ISC IX 26 00 17 46.7–1.5 30.31N–.04 109.25W–.03 5–11 3.8b 102 0-22
NEIC IX 26 00 17 45.3–1.3 30.27N–.04 109.24W–.01 10–2 4.4,4.1b **¶621110140**
MEX IX 26 00 17 48.6–.50 30.55N 109.24W 2–6 4.4,4.1b
IDC IX 26 00 17 49.9–1.4 30.47N 108.97W 0 3.6L,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.1km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=8.6km s-min=4.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.9km s-min=10.1km az=38.0.

(51) Off coast of central Mexico.

ISC VII 04 02 44 58.9–.44 21.04N–.03 106.27W–.04 34–1 5.2s,5.2b 703 1-151
MOS VII 04 02 44 54.2–.90 21.00N 106.10W 10 5.4b,5.3s **¶620733498**
NEIC VII 04 02 44 56.0–2.2 21.07N–.06 106.31W–.07 10–1 5.6,5.2
NEIC VII 04 02 44 56 21.07N 106.32W 10 5.6,5.2
GFZ VII 04 02 44 56.1 21.07N 106.04W 21 5.6W,5.2
GFZ VII 04 02 44 56.1–.18 21N–3.0 106W–3.0 10 5.2,5.1b
MEX VII 04 02 44 57.5–.79 21.05N 106.18W 13 5.6,5.1b
IDC VII 04 02 44 59.9–1.9 21.04N 106.10W 39–16 5.2s,4.9

GCMT VII 04 02 44 59.5–.10 21.10N–.01 106.19W–.01 17–0 5.6W,4.9
BJI VII 04 02 44 59.4 21.15N 106.45W 47 5.8s,5.5
PTWC VII 04 02 45 03 21.30N 106.00W 48 5.8,5.5
NEIC VII 04 02 45 06.3 21.07N 106.32W 16 5.6,5.5
ISC Event type se.
MOS Error ellipse: s-maj=8.8km s-min=5.3km az=87.6.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.4km az=236.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-0.09 $M_{r\theta}$0.79 $M_{\theta\phi}$2.09 $M_{\phi r}$1.20 NP1: ϕ_s343.51964°,δ62.45302°,λ145.40630°. NP2:ϕ_s91.21053°,δ59.77559°,λ32.35988°.
Principal axes: T 2.8482,Plg43.0761°,Azm306.3542°; N -0.0237,Plg46.8759°,Azm129.6756°
; P -2.8245,Plg1.6578°,Azm37.9048° M_o2.83639×10^{17}
GFZ Error ellipse: s-maj=8.1km s-min=5.2km az=57.4. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MEX Event type se. Error ellipse: s-maj=7.6km s-min=12.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.1km s-min=9.6km az=54.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107040245A. Moment Tensor Solution. s115,c204; s159,c349;Duration: 1τ6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.77±.04 $M_{\theta\theta}$-1.06±.03; $M_{\phi\phi}$0.29±.03; $M_{r\theta}$2.12±.12; $M_{\theta\phi}$2.55±.03; $M_{\phi r}$0.72±.09; Best double couple: NP1:ϕ_s348.00000°,δ50.00000°,λ166.00000°. NP2:ϕ_s87.00000°,δ80.00000°,λ41.00000°. Principal axes:
T 3.5960,Plg35.0000°,Azm315.0000°; N -0.1460,Plg48.0000°,Azm99.0000°
; P -3.4480,Plg19.0000°,Azm211.0000° M_o3.52200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3τ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$0.69 $M_{r\theta}$2.38 $M_{\theta\phi}$1.99 $M_{\phi r}$1.03 NP1:ϕ_s341.49000°,δ41.58000°
,λ170.32000°. NP2:ϕ_s78.76000°,δ83.60000°,λ48.83000°. Principal axes:
T 3.6146,Plg37.0000°,Azm313.0000°; N -0.4023,Plg41.0000°,Azm84.0000°
; P -3.2123,Plg27.0000°,Azm200.0000° M_o3.43000×10^{17}

ISC	**VII**	**04 02 53 07.6–1.1**	**21.14N–.06**	**106.18W–.08**	**10**		**19**	**2-51**
IDC	VII	04 02 53 06.9–4.8	21.03N	106.04W	0	3.5L,3.5		**¶620927851**
MEX	VII	04 02 53 11.5–.79	21.18N	106.07W	16–17	4.2,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=96.0km s-min=32.0km az=120.0.
MEX Event type se. Error ellipse: s-maj=8.0km s-min=15.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**04 03 02 09.5–1.1**	**21.21N–.06**	**106.15W–.07**	**10**	**3.4b**	**22**	**2-68**
MEX	VII	04 03 02 12.3–.41	21.21N	106.11W	8–27	4.0		**¶620927853**
IDC	VII	04 03 02 13.9–1.7	21.60N	106.68W	0	3.3L,3.1b		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.8km s-min=13.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=39.8km s-min=22.8km az=87.0.

ISC	**VII**	**06 10 47 03.0–1.3**	**21.17N–.07**	**106.3W–.10**	**10**		**15**	**2-51**
IDC	VII	06 10 47 02.6–4.7	21.14N	105.97W	0	3.6L,3.2b		**¶620928025**
MEX	VII	06 10 47 04.4–.89	21.16N	106.24W	10–13	4.1,3.2b		

ISC Event type se.
IDC Error ellipse: s-maj=88.2km s-min=31.4km az=122.0.
MEX Event type se. Error ellipse: s-maj=5.3km s-min=9.9km az=-1.0. Presumed earthquake.

IDC	**VII**	**27 10 49 36.9–3.9**	**22.85N**	**107.70W**	**0**	**3.8L,3.3b**		
								¶620978959

IDC Error ellipse: s-maj=49.2km s-min=19.2km az=159.0.

ISC	**X**	**30 21 43 08.2–1.2**	**22.49N–.06**	**107.2W–.10**	**10**		**10**	**1-92**
IDC	X	30 21 43 00.8–3.0	21.88N	107.37W	0	3.6L,3.4		**¶621395202**
MEX	X	30 21 43 12.2–.32	22.31N	107.42W	10	4.1,3.4		

ISC Event type se.
IDC Error ellipse: s-maj=57.4km s-min=31.4km az=122.0.
MEX Event type se. Error ellipse: s-maj=3.9km s-min=28.5km az=-1.0. Presumed earthquake.

ISC	**IX**	**23 16 47 48.7–.91**	**22.94N–.03**	**108.01W–.04**	**7–5**	**5.5b,5.5s**	**774**	**1-156**
IDC	IX	23 16 47 48.2–.58	22.93N	108.01W	0	5.5s,4.8b		**¶621125865**
BJI	IX	23 16 47 48.0	22.90N	108.00W	10	5.8s,5.8b		
ISC-P	IX	23 16 47 49	23.05N	107.95W	27–0	,5.8b		
NEIC	IX	23 16 47 49.1–1.6	23.05N–.04	107.95W–.05	10–1	5.7,5.6		
NEIC	IX	23 16 47 50.6	23.06N	107.93W	10	5.7,5.6		
MOS	IX	23 16 47 51.4–1.5	23.02N	107.85W	13	5.6b,5.5s		
GFZ	IX	23 16 47 51.8–.21	23N–3.0	108W–3.0	10	5.9b,5.5		
GFZ	IX	23 16 47 51.1	22.85N	107.95W	15	5.7W,5.5		
MEX	IX	23 16 47 53.8–.50	23.10N	107.99W	10–12	5.6,5.5		
BGR	IX	23 16 47 54.9	21.81N	107.52W	33	5.9s,5.0b		
GCMT	IX	23 16 47 56.5–.10	22.94N–.01	108.14W–.01	12	5.7W,5.0b		

ISC Event type ke.
ISC-P Moment Tensor Solution. s28 Moment tensor: M_{rr}-0.08±.11 $M_{\theta\theta}$-0.41±.21; $M_{\phi\phi}$0.48±.15; $M_{r\theta}$0.34±.17; $M_{\theta\phi}$-0.28±.14; $M_{\phi r}$-0.33±.13; NP1:ϕ_s299.30000°,δ88.60000°,λ218.30000°. NP2: ϕ_s208.20000°,δ51.70000°,λ-1.80000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$-3.75 $M_{\phi\phi}$3.25 $M_{r\theta}$-0.11 $M_{\theta\phi}$-2.28 $M_{\phi r}$-1.01 NP1:ϕ_s209.33000°,δ83.18000°,λ13.66000°. NP2:ϕ_s117.68000°
,δ76.44000°,λ172.98000°. Principal axes: T 4.1655,Plg14.0000°,Azm74.0000°
; N 0.2970,Plg75.0000°,Azm235.0000°; P -4.4625,Plg5.0000°,Azm343.0000°
M_o4.32000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$-3.50 $M_{\phi\phi}$3.99 $M_{r\theta}$0.42 $M_{\theta\phi}$-1.56 $M_{\phi r}$-0.15 NP1: ϕ_s303.88454°,δ87.30764°,λ-173.43856°. NP2:ϕ_s213.57498°,δ83.44584°,λ-2.71008°.
Principal axes: T 4.3142,Plg2.7223°,Azm78.5744°; N -0.4607,Plg82.9099°,Azm326.0989°
; P -3.8534,Plg6.5417°,Azm168.8868° M_o4.10326×10^{17}
MEX Event type se. Presumed earthquake.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109231647A. Moment Tensor Solution. s134,c246; s141,c288;Duration: 1τ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67±.04 $M_{\theta\theta}$-3.66±.04; $M_{\phi\phi}$4.33±.04; $M_{r\theta}$-1.56±.11; $M_{\theta\phi}$-1.31±.04; $M_{\phi r}$-0.32±.11; Best double couple: NP1: ϕ_s128.00000°,δ74.00000°,λ-164.00000°. NP2:ϕ_s34.00000°,δ75.00000°,λ-17.00000°.
Principal axes: T 4.5400,Plg1.0000°,Azm81.0000°; N -0.0110,Plg68.0000°,Azm173.0000°
; P -4.5250,Plg22.0000°,Azm351.0000° M_o4.53200×10^{17}

ISC	**IX**	**24 19 43 05.9–3.4**	**22.90N–.05**	**107.96W–.06**	**13–22**	**4.5b,3.9s**	**209**	**1-122**
MEX	IX	24 19 43 04.9–.67	22.82N	108.07W	10	4.6,3.9s		**¶621109788**
GFZ	IX	24 19 43 05.7–.44	23N–4.0	108W–6.0	10	5.3b,5.0L		
IDC	IX	24 19 43 05.7–.94	23.03N	107.91W	0	4.2b,4.1		
NEIC	IX	24 19 43 06.0–2.0	22.93N–.05	107.94W–.06	10–1	4.6,4.5b		
GCMT	IX	24 19 43 07.6–.50	22.92N–.03	108.21W–.02	25–1	4.8W,4.5b		

ISC Event type se.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109241943A. Moment Tensor Solution. s13,c13; s81,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01±.12 $M_{\theta\theta}$-1.98±.09; $M_{\phi\phi}$1.99±.09; $M_{r\theta}$-0.87±.22; $M_{\theta\phi}$-0.81±.08; $M_{\phi r}$-0.14±.18; Best double couple: NP1:ϕ_s32.00000°,δ76.00000°
,λ-14.00000°. NP2:ϕ_s126.00000°,δ77.00000°,λ-165.00000°. Principal axes:
T 2.1510,Plg1.0000°,Azm259.0000°; N 0.3060,Plg70.0000°,Azm166.0000°
; P -4.2560,Plg20.0000°,Azm349.0000° M_o2.30300×10^{16}

ISC	**XI**	**01 02 43 09.0–1.2**	**22.51N–.07**	**107.62W–.09**	**10**		**15**	**1-49**
MEX	XI	01 02 43 09.9–.65	22.48N	107.61W	4–26	4.0		**¶621401244**
IDC	XI	01 02 43 10.8–2.5	22.84N	107.82W	0	3.5b,3.4		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=14.0km s-min=22.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=31.7km s-min=21.9km az=150.0.

SEISMIC REGION 5.
Mexico-Guatemala Area.

(53) Revilla Gigedo Islands region.

IDC	**IX**	**05 08 55 46.3–5.6**	**19.57N**	**108.61W**	**0**	**3.2,3.1L**		
								¶621086393

IDC Error ellipse: s-maj=102.5km s-min=33.7km az=135.0.

ISC	**VIII**	**26 03 54 07.0–1.4**	**21.9N–.10**	**108.7W–.10**	**10**		**17**	**3-21**
MEX	VIII	26 03 54 07.8–.34	21.97N	108.63W	2–8	4.2		**¶621058974**
IDC	VIII	26 03 54 09.0–2.8	22.14N	108.48W	0	3.6,3.3L		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.9km s-min=5.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=42.9km s-min=18.1km az=33.0.

ISC	**IX**	**04 22 49 45.2–1.3**	**19.6N–.10**	**108.50W–.09**	**22**	**3.4b,3.1s**	**22**	**3-53**
IDC	IX	04 22 49 40.9–1.9	19.42N	108.76W	0	3.6L,3.6		**¶621081659**
MEX	IX	04 22 49 45.4–.48	19.55N	108.56W	16–999	4.3,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=19.3km az=52.0.
MEX Event type se. Error ellipse: s-maj=62.1km s-min=473.4km az=-1.0. Presumed earthquake.

ISC	**IX**	**18 16 37 33.7–.75**	**19.63N–.09**	**109.30W–.04**	**10**	**3.4b,3.1s**	**29**	**2-70**
IDC	IX	18 16 37 33.3–.87	19.67N	109.51W	0	3.7,3.6L		**¶621113577**
MEX	IX	18 16 37 36.3–.63	19.42N	109.20W	15	4.4W,4.4		

ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=13.5km az=112.0.
MEX Event type se. Error ellipse: s-maj=22.2km s-min=5.9km az=-1.0. Presumed earthquake.

ISC	**IX**	**06 11 57 21.5–.48**	**19.27N–.05**	**108.36W–.04**	**10**	**4.4b,3.9s**	**265**	**2-134**
MEX	IX	06 11 57 20.3–.49	19.42N	108.39W	10	4.5,3.9s		**¶621039290**
IDC	IX	06 11 57 21.0–.83	19.21N	108.17W	0	4.4,4.3b		
NEIC	IX	06 11 57 22.9–1.0	19.24N–.08	108.30W–.09	10–1	4.4b,4.3b		
GCMT	IX	06 11 57 25.6–.30	19.38N–.02	108.26W–.02	20–1	4.8W,4.3b		

ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109061157A. Moment Tensor Solution. s23,c27; s90,c141; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.09 $M_{\theta\theta}$-1.79±.07; $M_{\phi\phi}$2.06±.08; $M_{r\theta}$0.01±.14; $M_{\theta\phi}$-1.37±.07; $M_{\phi r}$0.36±.13; Best double couple: NP1:ϕ_s297.00000°,δ83.00000°
,λ178.00000°. NP2:ϕ_s27.00000°,δ88.00000°,λ7.00000°. Principal axes: T 2.5390,Plg7.0000°
,Azm252.0000°; N -0.3120,Plg82.0000°,Azm46.0000°; P -2.2350,Plg3.0000°,Azm162.0000°
M_o2.38700×10^{16}

ISC	**IX**	**06 20 49 38.4–3.5**	**19.9N–.40**	**109.1W–.50**	**30**	**3.1s**	**7**	**2-51**
IDC	IX	06 20 49 32.9–4.7	19.76N	108.78W	0	3.4L,3.3		**¶621094283**

ISC Event type se.
IDC Error ellipse: s-maj=102.8km s-min=20.1km az=133.0.

ISC	**IX**	**05 08 42 11.9–.31**	**20.27N–.04**	**109.24W–.04**	**10**	**4.8b,4.8s**	**463**	**2-158**
MEX	IX	05 08 42 10.7–.70	20.35N	109.21W	10	5.3,4.8s		**¶621035485**
IDC	IX	05 08 42 12.4–.66	20.40N	108.87W	0	4.9s,4.5b		
NEIC	IX	05 08 42 13.4–1.6	20.34N–.09	109.23W–.09	10–1	5.4,5.3		
NEIC	IX	05 08 42 14	20.34N	109.15W	10	5.4,5.3		
NEIC	IX	05 08 42 14.2	20.36N	109.14W	10	5.4,5.3		
GCMT	IX	05 08 42 14.6–.10	20.39N–.01	109.17W–.01	12–0	5.4W,5.3		
GFZ	IX	05 08 42 15.7–.43	20N–5.0	109W–5.0	10	4.8,4.7b		
NEIC	IX	05 08 42 26	20.34N	109.15W	12	5.5,4.7b		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.1km s-min=8.8km az=61.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.0km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.09 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$1.16 $M_{r\theta}$0.19 $M_{\theta\phi}$0.42 $M_{\phi r}$-0.88 NP1:ϕ_s238.38000°,δ58.63000°,λ9.95000°. NP2:ϕ_s143.16000°,δ81.51000°
,λ148.24000°. Principal axes: T 1.6745,Plg28.0000°,Azm96.0000°; N -0.2676,Plg57.0000°
,Azm310.0000°; P -1.4069,Plg15.0000°,Azm195.0000° M_o1.56000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109050842A. Moment Tensor Solution. s124,c202; s150,c294;Duration: 1τ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.42±.02 $M_{\theta\theta}$-1.35±.02; $M_{\phi\phi}$1.77±.02; $M_{r\theta}$-0.27±.04; $M_{\theta\phi}$0.58±.01; $M_{\phi r}$0.03±.04; Best double couple: NP1: ϕ_s146.00000°,δ80.00000°,λ-170.00000°. NP2:ϕ_s54.00000°,δ81.00000°,λ-10.00000°.
Principal axes: T 1.8750,Plg1.0000°,Azm100.0000°; N -0.3520,Plg76.0000°,Azm193.0000°
; P -1.5230,Plg14.0000°,Azm10.0000° M_o1.69900×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 2τ8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36 $M_{\theta\theta}$-1.30 $M_{\phi\phi}$1.67 $M_{r\theta}$1.14 $M_{\theta\phi}$0.72 $M_{\phi r}$0.14 NP1:ϕ_s332.68000°,δ59.13000°
,λ-164.37000°. NP2:ϕ_s234.52000°,δ76.63000°,λ-31.83000°. Principal axes:
T 1.9143,Plg11.0000°,Azm287.0000°; N 0.2267,Plg56.0000°,Azm34.0000°
; P -2.1411,Plg32.0000°,Azm189.0000° M_o2.04000×10^{17}

ISC	**X**	**06 06 22 06.7–3.1**	**19.4N–.30**	**109.0W–.10**	**26**		**13**	**4-23**
IDC	X	06 06 21 59.1–25	19.03N	109.05W	0	3.5L,3.2		**¶621217129**
MEX	X	06 06 22 08.8–.51	19.65N	108.79W	5–838	4.0,3.2		

ISC Event type se.
IDC Error ellipse: s-maj=364.7km s-min=60.8km az=164.0.
MEX Event type se. Error ellipse: s-maj=74.5km s-min=778.4km az=-1.0. Presumed earthquake.

ISC	**IX**	**23 11 14 31.5–1.2**	**19.1N–.20**	**108.79W–.05**	**10**		**15**	**2-52**
IDC	IX	23 11 14 32.9–6.2	19.31N	108.94W	0	3.2s,3.0b		**¶621125852**
MEX	IX	23 11 14 40.7–.68	19.39N	108.44W	9–835	4.0,3.0b		

ISC Event type se.
IDC Error ellipse: s-maj=119.7km s-min=22.6km az=142.0.
MEX Event type se. Error ellipse: s-maj=132.9km s-min=774.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**02 23 21 52.9–4.0**	**19.49N–.07**	**109.00W–.03**	**15–26**	**4.3b,3.8s**	**158**	**2-122**
IDC	XI	02 23 21 51.3–1.0	19.62N	109.02W	0	4.0b,4.0		**¶621255774**
MEX	XI	02 23 21 52.9–.53	19.24N	108.96W	15–10	4.6,4.0		
NEIC	XI	02 23 21 52.4–2.5	19.49N–.05	109.07W–.06	10–1	4.3b,4.0		
GCMT	XI	02 23 21 54.0–.30	19.67N–.02	109.04W–.02	28–1	5.0W,4.0		
GFZ	XI	02 23 21 54.3–.41	20N–4.0	109W–7.0	10	4.1,4.1b		
GFZ	XI	02 23 21 54.3	19.60N	108.88W	22	4.8W,4.1b		

ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=15.8km az=69.0.
MEX Event type se. Error ellipse: s-maj=60.9km s-min=9.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.1km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111022321A. Moment Tensor Solution. s38,c41; s115,c169; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.31±.14 $M_{\theta\theta}$-2.97±.10; $M_{\phi\phi}$3.29±.10; $M_{r\theta}$-0.07±.17; $M_{\theta\phi}$-1.33±.09; $M_{\phi r}$0.90±.16; Best double couple: NP1:ϕ_s303.00000°,δ80.00000°
,λ173.00000°. NP2:ϕ_s34.00000°,δ83.00000°,λ11.00000°. Principal axes:
T 3.7600,Plg12.0000°,Azm259.0000°; N -0.5070,Plg77.0000°,Azm68.0000°
; P -3.2460,Plg2.0000°,Azm168.0000° M_o3.50300×10^{16}
GFZ Error ellipse: s-maj=15.5km s-min=6.8km az=67.0. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28 $M_{\theta\theta}$-1.77 $M_{\phi\phi}$2.05 $M_{r\theta}$-0.91 $M_{\theta\phi}$-0.76 $M_{\phi r}$0.27 NP1: ϕ_s126.14951°,δ81.22112°,λ-155.62718°. NP2:ϕ_s32.19410°,δ65.93092°,λ-9.62244°.
Principal axes: T 2.2745,Plg10.3968°,Azm257.0571°; N -0.0001,Plg64.1855°,Azm144.7670°
; P -2.2744,Plg23.3474°,Azm351.5995° M_o2.27447×10^{16}

ISC	**XI**	**18 19 49 46.7–.81**	**19.6N–.10**	**109.32W–.06**	**10**	**4.0b**	**15**	**2-86**
IDC	XI	18 19 49 47.1–1.9	19.76N	109.17W	0	3.9b,3.9		**¶621532498**
MEX	XI	18 19 49 49.7–.61	19.57N	109.27W	15	3.8,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=19.9km az=54.0.
MEX Event type se. Error ellipse: s-maj=40.1km s-min=15.0km az=-1.0. Presumed earthquake.

(54) Off coast of Jalisco.

ISC	**VII**	**11 05 47 53.4–1.2**	**18.62N–.09**	**106.91W–.04**	**10**	**3.2b,3.0s**	**25**	**2-53**
IDC	VII	11 05 47 51.2–9.5	18.40N	106.70W	0	3.2L,3.2s		**¶620928408**
MEX	VII	11 05 48 00.0–.71	18.71N	106.70W	13–138	4.1,3.2s		

ISC Event type se.
IDC Error ellipse: s-maj=160.1km s-min=61.0km az=142.0.
MEX Event type se. Error ellipse: s-maj=73.4km s-min=99.4km az=-1.0. Presumed earthquake.

ISC	**IX**	**08 12 05 27.2–.67**	**18.53N–.07**	**106.64W–.07**	**10**	**4.3b,4.3s**	**84**	**2-99**
IDC	IX	08 12 05 26.1–1.2	18.46N	106.59W	0	4.2s,3.9L		**¶621043290**

MEX IX 08 12 05 27.7–.34 18.67N 106.62W 10 4.5,3.9L
NEIC IX 08 12 05 28.0–1.9 18.5N–.10 106.7W–.10 10–2 4.3b,3.9L
GCMT IX 08 12 05 29.5–.30 18.71N–.01 106.72W–.02 18–1 5.0W,3.9L
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109081205A. Moment Tensor Solution. s31,c35; s107,c172; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.12 $M_{\theta\theta}$-1.79±.10; $M_{\phi\phi}$1.96±.12; $M_{r\theta}$-0.10±.24; $M_{\theta\phi}$-3.45±.11; $M_{\phi r}$1.05±.25; Best double couple: NP1:ϕ_s284.00000°,δ76.00000°,λ176.00000°. NP2:ϕ_s15.00000°,δ86.00000°,λ14.00000°. Principal axes: T 4.2190,Plg12.0000°,Azm240.0000°; N -0.3240,Plg76.0000°,Azm29.0000°; P -3.8980,Plg7.0000°,Azm148.0000° $M_0$4.05900×10^{16}

ISC	**VIII**	**23 09 17 54.3–2.3**	**19.73N–.05**	**106.17W–.06**	**27–19**	**4.2b**	**102**	**1-52**
IDC	VIII	23 09 17 50.4–1.4	19.69N	106.19W	0	3.4L,3.4		**¶621000830**
NEIC	VIII	23 09 17 53.9–2.5	19.75N–.05	106.05W–.07	10–2	4.4,4.2b		
MEX	VIII	23 09 17 55.1–.98	19.76N	106.20W	15–46	4.4,4.2b		

ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=15.6km az=26.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.8km az=245.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=7.6km s-min=10.7km az=-1.0. Presumed earthquake.

ISC	**XII**	**22 23 22 58.0–.53**	**18.81N–.04**	**107.19W–.04**	**10–2**	**5.4s,5.3b**	**952**	**2-158**
CATAC	XII	22 23 22 53.6–1.1	18N–6.0	108W–6.0	14–11	6.1,5.9b		**¶621648309**
MOS	XII	22 23 22 54.8–1.2	18.84N	107.15W	5	5.5s,5.5b		
BJI	XII	22 23 22 55.4	18.82N	107.26W	12	5.9b,5.8s		
IDC	XII	22 23 22 56.8–.69	18.80N	107.27W	0	5.3s,4.6b		
MEX	XII	22 23 22 57.0–.68	18.72N	107.16W	10	6.0,4.6b		
NEIC	XII	22 23 22 58	18.83N	107.21W	10	6.0,4.6b		
IPGP	XII	22 23 22 58.0	18.90N	107.17W	13	6.1W,4.6b		
NEIC	XII	22 23 22 58.0–1.8	18.84N–.06	107.07W–.07	10–1	6.0,6.0		
GFZ	XII	22 23 22 59.8	18.76N	107.12W	20	6.1W,6.0		
GFZ	XII	22 23 22 59.5–.17	19N–2.0	107W–3.0	10	6.1L,5.9b		
PTWC	XII	22 23 23 00	18.70N	107.20W		6.1,5.9b		
NEIC	XII	22 23 23 01.1	18.95N	107.12W	18	6.1,5.9b		
GCMT	XII	22 23 23 04.1–.10	18.81N	107.08W	25–0	6.1W,5.9b		
NEIC	XII	22 23 23 06.6	18.25N	107.12W	14	6.0,5.9b		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=17.6km s-min=5.1km az=45.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$0.83 $M_{r\theta}$-0.68 $M_{\theta\phi}$-0.91 $M_{\phi r}$-0.14 NP1:ϕ_s112.91610°,δ78.37403°,λ-156.30768°. NP2:ϕ_s17.86260°,δ66.82248°,λ-12.66292°. Principal axes: T 1.2628,Plg7.8053°,Azm243.7270°; N 0.2496,Plg63.7574°,Azm137.5829°; P -1.5124,Plg24.8852°,Azm337.3726° $M_0$1.40436×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.06 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.59 $M_{\theta\phi}$-0.86 $M_{\phi r}$-0.21 NP1:ϕ_s112.86026°,δ74.66634°,λ-159.28807°. NP2:ϕ_s17.15044°,δ70.05733°,λ-16.33831°. Principal axes: T 1.1626,Plg3.1065°,Azm244.3419°; N 0.2302,Plg64.4319°,Azm147.8284°; P -1.3928,Plg25.3513°,Azm335.8154° $M_0$1.29315×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$0.97 $M_{r\theta}$-0.66 $M_{\theta\phi}$-1.03 $M_{\phi r}$0.07 NP1:ϕ_s112.17009°,δ83.59111°,λ-154.84389°. NP2:ϕ_s19.16930°,δ65.01193°,λ-7.07397°. Principal axes: T 1.5021,Plg12.6957°,Azm243.1717°; N 0.0554,Plg64.0919°,Azm125.5403°; P -1.5575,Plg22.1871°,Azm338.4433° $M_0$1.53059×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.70 $M_{r\theta}$-0.41 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.03 NP1:ϕ_s110.09432°,δ83.83897°,λ-159.54991°. NP2:ϕ_s17.80257°,δ69.67327°,λ-6.57192°. Principal axes: T 1.1424,Plg9.7728°,Azm242.3390°; N 0.0009,Plg68.6801°,Azm126.1508°; P -1.1433,Plg18.7548°,Azm335.6918° $M_0$1.14287×10^{18}
MOS Error ellipse: s-maj=8.5km s-min=5.3km az=89.8.
IDC Error ellipse: s-maj=22.3km s-min=12.1km az=59.0.
MEX Event type se. Error ellipse: s-maj=25.4km s-min=17.1km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s257.19000°,δ54.07000°,λ37.45000°.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s285.00000°,δ84.00000°,λ177.00000°. NP2:ϕ_s15.00000°,δ87.00000°,λ6.00000°.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.6km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.02 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$0.74 $M_{r\theta}$0.10 $M_{\theta\phi}$-1.06 $M_{\phi r}$-0.20 NP1:ϕ_s197.72000°,δ83.46000°,λ6.58000°. NP2:ϕ_s106.97000°,δ83.47000°,λ173.42000°. Principal axes: T 1.3363,Plg9.0000°,Azm62.0000°; N -0.0598,Plg81.0000°,Azm242.0000°; P -1.2765,Plg0.0000°,Azm152.0000° $M_0$1.31000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$0.87 $M_{r\theta}$-0.27 $M_{\theta\phi}$-1.17 $M_{\phi r}$-0.53 NP1:ϕ_s108.63376°,δ67.70018°,λ-175.63375°. NP2:ϕ_s16.97422°,δ85.96086°,λ-22.35835°. Principal axes: T 1.5520,Plg12.6214°,Azm64.8962°; N 0.0096,Plg67.2982°,Azm187.2567°; P -1.5616,Plg18.5493°,Azm330.5871° $M_0$1.55680×10^{18}
GFZ Error ellipse: s-maj=7.5km s-min=3.6km az=74.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112222322A. Moment Tensor Solution. s156,c329; s163,c593;Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.10±.01 $M_{\theta\theta}$-0.91±.01; $M_{\phi\phi}$1.02±.01; $M_{r\theta}$-0.17±.01; $M_{\theta\phi}$-1.34±.01; $M_{\phi r}$-0.07±.01; Best double couple: NP1:ϕ_s18.00000°,δ85.00000°,λ-5.00000°. NP2:ϕ_s108.00000°,δ85.00000°,λ-175.00000°. Principal axes: T 1.7060,Plg1.0000°,Azm243.0000°; N -0.0790,Plg83.0000°,Azm148.0000°; P -1.6220,Plg7.0000°,Azm333.0000° $M_0$1.66400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.23 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$0.47 $M_{r\theta}$-0.26 $M_{\theta\phi}$-0.85 $M_{\phi r}$0.10 NP1:ϕ_s17.81000°,δ73.37000°,λ6.04000°. NP2:ϕ_s286.08000°,δ84.21000°,λ163.28000°. Principal axes: T 0.9770,Plg16.0000°,Azm241.0000°; N 0.2003,Plg72.0000°,Azm88.0000°; P -1.1773,Plg8.0000°,Azm333.0000° $M_0$1.09000×10^{18}

(55) Near coast of Jalisco.

ISC	**XII**	**12 19 28 18.1–1.8**	**18.65N–.05**	**104.81W–.06**	**4–11**	**4.0b**	**51**	**1-83**
IDC	XII	12 19 28 17.4–1.8	18.61N	104.85W	0	4.0b,3.8		**¶621650535**
MEX	XII	12 19 28 18.9–.77	18.53N	105.01W	10	4.4,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=16.8km az=42.0.
MEX Event type se. Error ellipse: s-maj=4.7km s-min=5.1km az=-1.0. Presumed earthquake.

(56) Near coast of Michoacan.

ISC	**XII**	**18 08 13 22.3–1.3**	**18.07N–.04**	**103.10W–.03**	**6–9**	**4.0b**	**153**	**0-72**
NEIC	XII	18 08 13 23.0–2.3	18.04N–.04	103.09W–.03	10–1	4.4,4.2b		**¶621656984**
IDC	XII	18 08 13 22.2–2.1	18.12N	102.95W	0	3.5b,3.4		
MEX	XII	18 08 13 29.1–1.5	18.23N	103.22W	15	4.3,3.4		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=3.3km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.3km s-min=14.9km az=30.0.
MEX Event type se. Error ellipse: s-maj=4.4km s-min=7.7km az=-1.0. Presumed earthquake.

(57) Michoacan.

ISC	**IX**	**26 20 30 48.5–1.2**	**18.11N–.04**	**102.26W–.03**	**31–11**	**3.7b**	**101**	**0-78**
IDC	IX	26 20 30 42.4–3.3	17.87N	102.48W	0	3.6b,3.5		**¶621131532**
MEX	IX	26 20 30 53.3–.87	18.25N	102.14W	54–12	4.3,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=76.3km s-min=21.9km az=31.0.
MEX Event type se. Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0. Presumed earthquake.

ISC	**VII**	**29 23 04 40.8–.49**	**18.00N–.04**	**102.64W–.03**	**26–3**	**5.0b,4.2s**	**522**	**1-152**
IDC	VII	29 23 04 37.1–.53	18.10N	102.54W	0	4.8b,4.6		**¶620883005**
NEIC	VII	29 23 04 41.0–1.4	17.95N–.08	102.66W–.06	17–4	5.1,4.9b		
GFZ	VII	29 23 04 42.8–.21	18N–2.0	102W–4.0	28–1	5.0b,4.6		
MEX	VII	29 23 04 42.0–1.7	17.88N	102.70W	12–15	5.1,4.6		

ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=11.1km az=61.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.9km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.4km s-min=3.9km az=68.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MEX Event type se. Error ellipse: s-maj=11.8km s-min=6.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**23 15 24 16.3–1.1**	**18.32N–.05**	**102.52W–.03**	**31–11**		**30**	**1-55**
IDC	XII	23 15 24 07.7–3.4	17.92N	103.08W	0	3.5,3.4b		**¶621686830**
MEX	XII	23 15 24 18.8–.64	18.31N	102.47W	13–7	4.0,3.4b		

ISC Event type se.
IDC Error ellipse: s-maj=71.1km s-min=24.2km az=35.0.
MEX Event type se. Error ellipse: s-maj=3.2km s-min=2.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**17 10 42 14.0–.65**	**19.38N–.03**	**102.23W–.02**	**10**	**3.1b**	**79**	**0-54**
MEX	XI	17 10 42 14.8–1.5	19.26N	102.08W	4	4.3		**¶621494204**
IDC	XI	17 10 42 14.1–2.1	19.43N	102.19W	0	3.7L,3.3		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.6km s-min=17.1km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s351.05000°,δ52.24000°,λ50.77000°.
IDC Error ellipse: s-maj=48.3km s-min=18.2km az=49.0.

(58) Near coast of Guerrero.

ISC	**VII**	**14 16 57 49.5–.89**	**16.33N–.03**	**98.23W–.02**	**11–5**	**4.2b**	**243**	**0-32**
NEIC	VII	14 16 57 51.0–2.0	16.36N–.05	98.16W–.05	10–2	4.6,4.1b		**¶622450661**
MEX	VII	14 16 57 51.5–1.0	16.33N	98.22W	3–7	4.6,4.1b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.1km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=4.8km s-min=3.1km az=-1.0. Presumed earthquake.

ISC	**VIII**	**21 03 17 55.9–1.3**	**16.37N–.03**	**99.31W–.02**	**3–9**	**4.1b,3.6s**	**250**	**0-86**
IDC	VIII	21 03 17 56.0–2.9	16.41N	99.19W	0	3.7b,3.6		**¶620999184**
NEIC	VIII	21 03 17 57.3–1.7	16.41N–.04	99.31W–.03	10–2	4.4,4.1b		
MEX	VIII	21 03 17 58.6–.54	16.41N	99.32W	4	4.4,4.1b		

ISC Event type se.
IDC Error ellipse: s-maj=56.7km s-min=15.3km az=14.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.8km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=-1.0. Presumed earthquake.

ISC	**VIII**	**15 15 14 56.7–2.2**	**16.57N–.04**	**100.51W–.03**	**0–13**	**4.3b,3.7s**	**312**	**1-129**
MEX	VIII	15 15 14 59.8–.48	16.57N	100.56W	13–10	4.6,3.7s		**¶620986898**
NEIC	VIII	15 15 15 00.0–1.0	16.69N–.06	100.34W–.05	10–1	4.6,4.3b		
IDC	VIII	15 15 15 01.3–1.6	17.19N	100.14W	0	4.1b,3.8		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.9km s-min=4.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.5km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.0km s-min=11.8km az=28.0.

MEX	**IX**	**03 14 01 32.5–.49**	**16.77N**	**100.04W**	**13–3**	**3.6**		
								¶625692366

MEX Event type se. Error ellipse: s-maj=6.9km s-min=2.9km az=-1.0. Presumed earthquake.

ISC	**IX**	**08 00 55 20.2–.81**	**16.80N–.03**	**99.50W–.02**	**28–6**	**4.2b,3.5s**	**341**	**0-130**
IDC	IX	08 00 55 16.6–.76	16.92N	99.42W	0	4.1b,4.0		**¶621041913**
NEIC	IX	08 00 55 22.3–1.8	16.95N–.06	99.43W–.04	35–2	4.7,4.2b		
MEX	IX	08 00 55 22.3–.86	16.84N	99.51W	22–10	4.7,4.2b		

ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=11.7km az=32.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.6km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=3.8km s-min=2.5km az=-1.0. Presumed earthquake.

ISC	**IX**	**08 05 42 55.9–.71**	**16.58N–.03**	**100.01W–.03**	**11–4**	**4.5b**	**275**	**1-84**
IDC	IX	08 05 42 55.6–1.0	16.75N	99.87W	0	4.3b,4.2		**¶621042373**
NEIC	IX	08 05 42 56.7–2.7	16.63N–.04	99.92W–.04	10–1	5.0,4.5b		
MEX	IX	08 05 42 56.7–1.6	16.45N	100.10W	15	5.0,4.5b		
GFZ	IX	08 05 43 02.5–.61	17N–7.0	100W–5.0	14–2	4.3b,4.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**IX**	**08 02 41 52.0–1.2**	**16.81N–.03**	**99.89W–.02**	**14–9**	**3.0b**	**211**	**0-79**
IDC	IX	08 02 41 37.2–4.5	16.18N	99.09W	0	3.2L,3.2b		**¶621105758**
NEIC	IX	08 02 41 52.5–2.2	16.82N–.04	99.92W–.01	10–1	4.4,4.1b		
MEX	IX	08 02 41 55.4–.78	16.86N	99.91W	10	4.4,4.1b		

ISC Event type se.
IDC Error ellipse: s-maj=117.5km s-min=56.2km az=45.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=2.8km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=8.1km s-min=2.8km az=-1.0. Presumed earthquake.

ISC	**IX**	**11 12 01 34.1–1.3**	**16.25N–.04**	**99.93W–.02**	**9–9**		**180**	**1-25**
NEIC	IX	11 12 01 35.5–1.8	16.27N–.04	99.96W–.03	10–2	4.4b,4.3		**¶625693220**
MEX	IX	11 12 01 41.1–1.3	16.40N	99.97W	16–12	4.3,4.3		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.2km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=9.1km s-min=5.0km az=-1.0. Presumed earthquake.

ISC	**IX**	**08 02 58 20.4–.58**	**16.89N–.03**	**99.89W–.02**	**24–3**	**4.7b**	**480**	**0-148**
IDC	IX	08 02 58 17.5–.62	16.97N	99.78W	0	4.4b,4.4		**¶621041965**
NEIC	IX	08 02 58 19.3–1.6	17.02N–.04	99.85W–.03	10–1	5.0,4.7b		
MEX	IX	08 02 58 21.9–.71	16.88N	99.90W	10	5.0,4.7b		
GFZ	IX	08 02 58 24.7–.35	17N–5.0	100W–5.0	37	4.8b,4.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

ISC	**IX**	**08 03 30 15.2–1.2**	**16.75N–.03**	**99.90W–.02**	**8–8**	**3.6b**	**113**	**0-57**
IDC	IX	08 03 30 18.8–2.7	17.36N	99.65W	0	3.6b,3.3		**¶625692724**
MEX	IX	08 03 30 20.3–1.1	16.89N	99.95W	10	4.3,3.3		

ISC Event type se.
IDC Error ellipse: s-maj=53.9km s-min=11.9km az=18.0.
MEX Event type se. Error ellipse: s-maj=12.0km s-min=3.6km az=-1.0. Presumed earthquake.

MEX	**IX**	**08 03 57 51.8–.71**	**16.81N**	**99.82W**	**10**	**3.2**		
								¶625692739

MEX Event type se. Error ellipse: s-maj=12.1km s-min=4.2km az=-1.0. Presumed earthquake.

MEX	**IX**	**09 04 08 58.5–1.1**	**17.94N**	**101.80W**	**9–23**	**3.7**		
								¶625692929

MEX Event type se. Error ellipse: s-maj=10.6km s-min=8.6km az=-1.0. Presumed earthquake.

ISC	**IX**	**10 18 13 57.6–1.4**	**16.60N–.05**	**100.53W–.03**	**16–8**	**3.7b**	**91**	**1-60**
IDC	IX	10 18 13 52.6–2.9	16.01N	100.66W	0	4.3s,3.9b		**¶621108535**
MEX	IX	10 18 13 58.9–.48	16.57N	100.55W	14–11	4.3,3.9b		

ISC Event type se.
IDC Error ellipse: s-maj=45.8km s-min=16.0km az=13.0.
MEX Event type se. Error ellipse: s-maj=6.8km s-min=5.9km az=-1.0. Presumed earthquake.

ISC	**IX**	**08 01 47 46.3–.32**	**16.87N–.02**	**99.84W–.02**	**19–1**	**7.2s,6.2b**	**3194**	**0-157**
MOS	IX	08 01 47 43.6–.87	16.93N	99.75W	12	7.2s,6.5b		**¶621041919**
IDC	IX	08 01 47 43.5–.46	16.95N	99.65W	0	7.1s,5.7b		
BJI	IX	08 01 47 45.4	17.10N	99.70W	10	7.7s,7.4b		
MEX	IX	08 01 47 46.5–1.2	16.76N	99.95W	15	7.1,6.4W		
IPGP	IX	08 01 47 46.0	16.95N	99.79W	15	7.1W,6.4W		
GCG	IX	08 01 47 47.7–3.2	16.99N	99.78W	20	6.9,6.4W		
NEIC	IX	08 01 47 47.4–1.3	16.95N–.05	99.75W–.05	20–1	7.1,7.1		
NEIC	IX	08 01 47 47.6	17.00N	99.77W	15	7.1,7.1		
ISC-P	IX	08 01 47 47	16.95N	99.75W	39–0	7.2,7.1		
GFZ	IX	08 01 47 48.1–.23	17N–2.0	100W–2.0	21–1	7.2b,7.1		

GFZ IX 08 01 47 48.1 16.97N 99.74W 22 7.0W,7.1
NEIC IX 08 01 47 48.8 16.99N 99.79W 22 7.0W,7.1
CATAC IX 08 01 47 50.0–.28 17N–2.0 100W–2.0 54–1 8.1,7.0b
GCMT IX 08 01 47 53.7–.00 17.03N 99.76W 22–0 7.0W,7.0b
BGR IX 08 01 47 55.6 17.28N 98.01W 33 7.2,7.2s
NEIC IX 08 01 48 10.9 16.99N 99.37W 16 7.0,7.2s
ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=4.7km az=98.5. Moment Tensor Solution.
IDC Error ellipse: s-maj=13.7km s-min=7.6km az=44.0.
MEX Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=-1.0. Presumed earthquake.
IPGP Moment Tensor Solution. NP1:ϕ_s265.00000°,δ23.00000°,λ62.00000°. NP2:ϕ_s114.00000° ,δ69.00000°,λ101.00000°.
GCG Event type se. Error ellipse: s-maj=49.3km s-min=305.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.1km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.53 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$-0.20 $M_{r\theta}$1.51 $M_{\theta\phi}$1.04 $M_{\phi r}$-0.64 NP1:ϕ_s309.47000°,δ23.92000°,λ103.73000°. NP2:ϕ_s114.50000°,δ66.81000° ,λ83.99000°. Principal axes: T 2.1988,Plg68.0000°,Azm13.0000°; N 0.3999,Plg6.0000° ,Azm117.0000°; P -2.5987,Plg22.0000°,Azm209.0000° $M_0$2.42000×10^{19}
NEIC Event type se.
ISC-P Moment Tensor Solution. s32 Moment tensor: Scale 10^{19}Nm; M_{rr}0.57±.18 $M_{\theta\theta}$-0.36±.18; $M_{\phi\phi}$-0.23±.18; $M_{r\theta}$0.27±.12; $M_{\theta\phi}$-0.13±.19; $M_{\phi r}$0.39±.24; NP1:ϕ_s123.40000°,δ57.80000° ,λ81.70000°. NP2:ϕ_s318.70000°,δ33.20000°,λ102.90000°. $M_0$7.08000×10^{19}
GFZ Error ellipse: s-maj=4.5km s-min=3.0km az=65.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}2.06 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-0.32 $M_{r\theta}$3.03 $M_{\theta\phi}$0.65 $M_{\phi r}$-1.77 NP1: ϕ_s118.98271°,δ75.08795°,λ93.85906°. NP2:ϕ_s284.29427°,δ15.39233°,λ75.81679°. Principal axes: T 4.1025,Plg59.7355°,Azm34.4010°; N -0.1065,Plg3.7289°,Azm297.9882° ; P -3.9959,Plg29.9854°,Azm205.8331° $M_0$4.05025×10^{19}
NEIC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=43.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}2.71 $M_{\theta\theta}$-2.16 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.86 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.46 NP1:ϕ_s112.83076° ,δ55.33656°,λ92.57916°. NP2:ϕ_s288.30240°,δ34.74729°,λ86.27664°. Principal axes: T 2.8931,Plg79.4770°,Azm32.8646°; N -0.2951,Plg2.1211°,Azm291.3632° ; P -2.5980,Plg10.3022°,Azm200.9774° $M_0$2.75742×10^{19} Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}2.43 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$-0.53 $M_{r\theta}$0.68 $M_{\theta\phi}$0.74 $M_{\phi r}$-0.41 NP1: ϕ_s115.89338°,δ54.35460°,λ92.60897°. NP2:ϕ_s291.42252°,δ35.72813°,λ86.36806°. Principal axes: T 2.5666,Plg80.4377°,Azm37.0656°; N -0.2150,Plg2.1199°,Azm294.3723° ; P -2.3516,Plg9.3200°,Azm204.0242° $M_0$2.46613×10^{19} Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}2.05 $M_{\theta\theta}$-1.89 $M_{\phi\phi}$-0.16 $M_{r\theta}$4.54 $M_{\theta\phi}$0.61 $M_{\phi r}$-1.70 NP1: ϕ_s110.24028°,δ78.45547°,λ91.09574°. NP2:ϕ_s284.78105°,δ11.59571°,λ84.65154°. Principal axes: T 5.2601,Plg56.5314°,Azm21.6453°; N 0.0251,Plg1.0736°,Azm290.0210° ; P -5.2852,Plg33.4468°,Azm199.3117° $M_0$5.27271×10^{19} Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}2.01 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$-0.06 $M_{r\theta}$9.51 $M_{\theta\phi}$0.53 $M_{\phi r}$-1.49 NP1: ϕ_s99.03917°,δ84.02574°,λ88.76281°. NP2:ϕ_s290.76141°,δ6.10057°,λ101.65767°. Principal axes: T 9.8147,Plg50.9593°,Azm7.6502°; N 0.0633,Plg1.2305°,Azm99.1680° ; P -9.8780,Plg39.0136°,Azm190.1651° $M_0$9.84654×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109080147A. Moment Tensor Solution. s165,c449; s162,c825;Duration: 7^{s}4 Moment tensor: Scale 10^{19}Nm; M_{rr}2.23±.01 $M_{\theta\theta}$-2.01±.01; $M_{\phi\phi}$-0.22±.01; $M_{r\theta}$2.34±.02; $M_{\theta\phi}$0.65±.01; $M_{\phi r}$-1.36±.02; Best double couple: NP1:ϕ_s279.00000°,δ20.00000°,λ73.00000°. NP2:ϕ_s117.00000°,δ70.00000°,λ96.00000°. Principal axes: T 3.5370,Plg64.0000°,Azm37.0000°; N -0.0720,Plg6.0000°,Azm295.0000° ; P -3.4700,Plg25.0000°,Azm202.0000° $M_0$3.50400×10^{19}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 15^{s}7 Moment tensor: Scale 10^{19}Nm; M_{rr}2.34 $M_{\theta\theta}$-2.17 $M_{\phi\phi}$-0.17 $M_{r\theta}$2.45 $M_{\theta\phi}$0.44 $M_{\phi r}$-1.03 NP1:ϕ_s274.68000°,δ21.02000° ,λ75.77000°. NP2:ϕ_s109.89000°,δ69.66000°,λ95.40000°. Principal axes: T 3.5775,Plg65.0000°,Azm29.0000°; N -0.1202,Plg5.0000°,Azm288.0000° ; P -3.4574,Plg24.0000°,Azm196.0000° $M_0$3.52000×10^{19}

ISC IX 08 02 18 00.1–1.0 16.85N–.03 99.90W–.02 10–6 4.9b 457 0-149
IDC IX 08 02 17 59.5–.61 16.96N 99.74W 0 4.5b,4.5 **¶621041922**
NEIC IX 08 02 18 01.4–1.8 16.92N–.04 99.87W–.03 10–1 5.2,4.9b
MEX IX 08 02 18 03.9–.91 16.89N 99.93W 10 5.2,4.9W
GFZ IX 08 02 18 12.0–.85 17N–5.0 100W–5.0 81–7 4.8b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC IX 08 09 50 17.9–.52 16.76N–.04 99.89W–.03 19–3 4.6b,3.9s 334 1-129
IDC IX 08 09 50 15.2–.69 16.86N 99.86W 0 4.3b,4.2 **¶621042375**
MEX IX 08 09 50 18.5–.83 16.76N 100.01W 11–4 5.0,4.2
NEIC IX 08 09 50 19.6–1.9 16.83N–.04 99.81W–.05 20–5 4.9,4.6b
GFZ IX 08 09 50 21.5–.39 17N–4.0 100W–5.0 31–2 4.5b,4.5
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC IX 20 09 36 32.3–.62 16.56N–.03 99.32W–.02 19–2 4.6b,3.9s 355 0-130
IDC IX 20 09 36 30.5–.93 16.66N 99.06W 0 4.2b,4.1 **¶621083309**
NEIC IX 20 09 36 32.2–2.4 16.62N–.05 99.17W–.05 10–1 4.9,4.6b
MEX IX 20 09 36 33.7–.56 16.59N 99.29W 12–3 4.9,4.6b
GFZ IX 20 09 36 38.2–.61 17N–6.0 99W–6.0 20–2 5.2L,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

MEX IX 20 09 47 06.3–.62 16.57N 99.33W 4–6 4.0
¶625694151
MEX Event type se. Error ellipse: s-maj=4.8km s-min=2.1km az=-1.0. Presumed earthquake.

ISC X 04 10 53 27.8–.91 17.63N–.03 101.23W–.02 27–8 108 0-55
IDC X 04 10 53 24.8–2.8 17.56N 101.19W 0 3.3b,3.2 **¶621203117**
MEX X 04 10 53 29.4–.64 17.52N 101.30W 33–6 4.3,3.2
ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=15.0km az=28.0.
MEX Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=-1.0. Presumed earthquake.

ISC IX 20 10 30 13.3–.69 16.89N–.03 99.72W–.02 29–4 4.1b,3.5s 234 0-99
IDC IX 20 10 30 09.9–2.7 16.90N 99.63W 0 3.7b,3.6 **¶625694175**
NEIC IX 20 10 30 13.6–1.8 16.93N–.05 99.70W–.03 26–8 4.4b,4.4
MEX IX 20 10 30 15.1–.70 16.90N 99.71W 21–4 4.4,4.4
ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=12.9km az=17.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.6km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0. Presumed earthquake.

MEX IX 21 13 22 25.7–.75 16.94N 99.81W 16–6 3.4
¶625694342
MEX Event type se. Error ellipse: s-maj=8.1km s-min=3.6km az=-1.0. Presumed earthquake.

MEX IX 27 08 44 14.1–.48 16.65N 99.61W 10 3.4
¶635723036
MEX Event type se. Error ellipse: s-maj=2.9km s-min=1.6km az=-1.0. Presumed earthquake.

MEX IX 27 08 44 49.9–.45 16.77N 99.66W 9–4 3.0
¶625694887
MEX Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=-1.0. Presumed earthquake.

MEX X 18 18 10 02.6–1.1 16.06N 98.36W 4–6 3.6
¶621211160
MEX Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=-1.0. Presumed earthquake.

ISC X 18 18 10 21.4–1.3 16.03N–.04 98.43W–.02 24–10 4.3b 224 0-56
NEIC X 18 18 10 19.6–2.1 15.95N–.03 98.47W–.03 10–1 4.5,4.3b **¶625708047**
MEX X 18 18 10 21.4–1.6 16.01N 98.48W 9 4.5,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=11.2km s-min=9.5km az=-1.0. Presumed earthquake.

ISC X 29 18 33 19.3–.87 17.38N–.03 101.33W–.02 19–2 4.4b,3.6s 319 0-139
IDC X 29 18 33 16.1–1.1 17.28N 101.28W 0 4.3b,4.1 **¶621244295**
NEIC X 29 18 33 18.6–2.4 17.31N–.05 101.35W–.04 13–4 4.5,4.4b
MEX X 29 18 33 19.1–1.1 17.28N 101.51W 10–7 4.6W,4.5
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=12.7km az=22.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.4km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=7.3km s-min=8.0km az=-1.0. Presumed earthquake.

MEX XII 13 07 01 47.9–.45 16.86N 99.76W 24–5 3.1
¶625714284
MEX Event type se. Error ellipse: s-maj=5.1km s-min=2.0km az=-1.0. Presumed earthquake.

ISC XII 21 10 40 45.8–1.1 16.48N–.03 99.10W–.02 12–7 3.5b 116 0-58
IDC XII 21 10 40 39.5–3.5 15.64N 99.16W 0 3.6b,3.5 **¶621685679**
MEX XII 21 10 40 48.3–1.0 16.51N 99.11W 6–7 4.4,3.5
ISC Event type se.
IDC Error ellipse: s-maj=61.9km s-min=14.4km az=5.0.
MEX Event type se. Error ellipse: s-maj=6.4km s-min=4.2km az=-1.0. Presumed earthquake.

MEX XII 22 12 12 06.1–.54 16.49N 99.30W 7–3 3.6
¶625715066
MEX Event type se. Error ellipse: s-maj=4.3km s-min=3.4km az=-1.0. Presumed earthquake.

(59) Guerrero.

ISC VII 03 05 37 50.5–.77 17.10N–.02 99.70W–.02 17–5 3.7b,3.2s 211 0-70
IDC VII 03 05 37 39.4–4.1 15.90N 99.67W 0 3.6b,3.4 **¶620733167**
NEIC VII 03 05 37 49.7–1.6 17.05N–.04 99.74W–.02 10–1 4.4,4.0b
MEX VII 03 05 37 52.3–.85 16.98N 99.77W 14–3 4.5W,4.4
ISC Event type se.
IDC Error ellipse: s-maj=70.4km s-min=21.6km az=5.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=3.7km s-min=2.4km az=-1.0. Presumed earthquake.

ISC VIII 09 09 03 16.3–.44 17.12N–.03 100.02W–.02 30–2 4.7b,3.6s 411 0-129
IDC VIII 09 09 03 11.6–.68 17.11N 99.88W 0 4.4b,4.4 **¶620978309**
NEIC VIII 09 09 03 18.4–2.8 17.21N–.06 100.01W–.04 35–5 4.8,4.7b
MEX VIII 09 09 03 18.3–.55 17.09N 100.06W 44–4 4.8,4.7b
GFZ VIII 09 09 03 18.9–.26 17N–3.0 100W–5.0 38–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC X 01 18 17 41.3–.89 17.08N–.02 100.12W–.02 12–6 4.0b 219 0-27
NEIC X 01 18 17 41.8–2.3 16.99N–.05 100.11W–.04 14–7 4.3,4.0b **¶622499485**
MEX X 01 18 17 42.9–1.6 16.96N 100.11W 5 4.3,4.0b
CATAC X 01 18 17 43.4–.97 17N–5.0 100W–4.0 10–7 5.4b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

MEX VIII 31 21 46 38.8–.77 17.89N 101.00W 64–10 4.0,3.9W
¶624841754
MEX Event type se. Error ellipse: s-maj=5.6km s-min=3.6km az=-1.0. Presumed earthquake.

MEX X 12 23 01 50.0–.77 18.31N 100.32W 51–5 3.8
¶625707589
MEX Event type se. Error ellipse: s-maj=4.2km s-min=4.6km az=-1.0. Presumed earthquake.

ISC X 13 18 38 20.6–.84 17.14N–.03 100.28W–.02 33–2 3.6b,3.4s 142 0-45
IDC X 13 18 38 15.9–3.3 17.08N 100.35W 0 3.7b,3.5 **¶621238991**
MEX X 13 18 38 21.9–.77 17.14N 100.33W 37–4 4.5,3.5
ISC Event type se.
IDC Error ellipse: s-maj=58.3km s-min=14.2km az=17.0.
MEX Event type se. Error ellipse: s-maj=3.4km s-min=3.4km az=-1.0. Presumed earthquake.

MEX XII 15 09 09 02.6–.93 17.12N 99.79W 11–6 3.6
¶625714470
MEX Event type se. Error ellipse: s-maj=15.9km s-min=5.7km az=-1.0. Presumed earthquake.

ISC XI 01 16 45 09.8–.96 18.27N–.03 101.07W–.02 59–11 3.5b 90 1-56
MEX XI 01 16 45 11.3–.54 18.29N 101.05W 65–7 4.1 **¶621401279**
IDC XI 01 16 45 18.0–6.8 18.76N 100.32W 130–98 3.5,3.2b
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=150.8km s-min=57.2km az=21.0.

(60) Oaxaca.

ISC VII 01 01 13 39.4–.37 16.45N–.02 97.99W–.02 19–1 5.1b,4.4s 579 0-147
IDC VII 01 01 13 36.3–.63 16.39N 97.95W 0 4.6b,4.5 **¶620669123**
NEIC VII 01 01 13 39.0–1.9 16.53N–.04 97.97W–.03 10–1 5.1,5.1b
MEX VII 01 01 13 40.5–.48 16.36N 98.00W 10–4 5.1,5.1b
GCMT VII 01 01 13 42.8–.30 16.50N–.02 97.87W–.02 31–1 5.1W,5.1b
GFZ VII 01 01 13 45.7–.22 17N–3.0 98W–3.0 31–1 4.8b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s284.11000° ,δ45.22000°,λ4.98000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107010113A. Moment Tensor Solution. s67,c90; s103,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.90±.16 $M_{\theta\theta}$-2.61±.10; $M_{\phi\phi}$-0.28±.10; $M_{r\theta}$3.59±.19; $M_{\theta\phi}$1.21±.07; $M_{\phi r}$-2.06±.15; Best double couple: NP1:ϕ_s287.00000°,δ18.00000° ,λ79.00000°. NP2:ϕ_s119.00000°,δ72.00000°,λ94.00000°. Principal axes: T 5.0230,Plg63.0000°,Azm34.0000°; N 0.1970,Plg4.0000°,Azm298.0000° ; P -5.2180,Plg27.0000°,Azm206.0000° $M_0$5.12000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC VII 09 21 07 31.6–.41 16.73N–.03 96.19W–.03 63–3 4.8b 185 1-133
MEX VII 09 21 07 32.1–1.4 16.71N 96.21W 66–14 4.7 **¶620928283**
NEIC VII 09 21 07 35.1–1.6 17.12N–.09 96.00W–.07 70–8 4.8b
IDC VII 09 21 07 36.9–.81 17.52N 95.83W 65–4 4.2,3.9b
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.1km s-min=4.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.4km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=6.4km az=41.0.

ISC VII 15 18 28 22.1–1.5 16.04N–.04 95.93W–.03 17–10 4.2b,3.3s 126 0-133
IDC VII 15 18 28 19.9–1.1 16.09N 95.99W 0 3.9b,3.8 **¶620928653**
NEIC VII 15 18 28 24.5–1.7 16.03N–.08 95.86W–.04 34–7 4.7,4.3b
MEX VII 15 18 28 25.7–1.1 16.00N 95.98W 48–10 4.7,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=15.0km az=17.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.1km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=7.4km s-min=4.3km az=-1.0. Presumed earthquake.

ISC VII 19 18 12 16.2–.70 16.87N–.04 95.00W–.03 99–9 4.0b 181 1-80
IDC VII 19 18 12 10.6–3.5 14.67N 93.69W 80–9 3.6,3.4b **¶622450712**
NEIC VII 19 18 12 17.9–2.3 17.3N–.10 94.91W–.07 60–2 4.4,4.2b
MEX VII 19 18 12 21.3–1.3 16.89N 95.05W 43–47 4.4,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=74.9km s-min=30.2km az=12.0.

NEIC Event type se. Error ellipse: s-maj=21.6km s-min=9.0km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.4km s-min=3.3km az=-1.0. Presumed earthquake.
ISC VII 20 02 50 11.0–.79 17.41N–.03 97.39W–.04 68–7 4.0b 86 0-32
NEIC VII 20 02 50 11.2–1.9 17.36N–.04 97.34W–.05 69–7 4.4,4.0b **¶622450722**
MEX VII 20 02 50 12.4–.69 17.41N 97.40W 68–6 4.4,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.3km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=3.2km s-min=4.7km az=-1.0. Presumed earthquake.
ISC VIII 29 19 29 25.5–.34 17.82N–.03 95.06W–.02 130–3 4.9b 719 1-156
GCG VIII 29 19 29 23.9–1.7 17.82N 95.09W 125–37 5.3L,5.2 **¶621010009**
IDC VIII 29 19 29 24.8–.35 17.92N 94.84W 121–4 4.7,4.3b
NEIC VIII 29 19 29 25.5 17.96N 95.00W 119 4.7,4.3b
RSNC VIII 29 19 29 25.4–2.5 18N–11 95W–18 71–12 5.2b,5.1
NEIC VIII 29 19 29 25.3–2.0 17.95N–.05 95.00W–.05 122–4 5.0,5.0b
MEX VIII 29 19 29 26.4–.65 17.88N 95.03W 128–7 5.0,5.0b
CATAC VIII 29 19 29 27.8–.32 18N–5.0 95W–3.0 97–4 5.5,5.0
GFZ VIII 29 19 29 28.0–.42 18N–2.0 95W–3.0 140–4 4.9b,4.8
GCMT VIII 29 19 29 28.6–.20 18.02N–.02 94.96W–.02 132–1 5.1W,4.8
NEIC VIII 29 19 29 29 18.06N 94.89W 130 5.0,4.8
BGR VIII 29 19 29 49.7 17.90N 94.75W 33 4.8b,4.8
ISC Event type ke.
GCG Event type se. Error ellipse: s-maj=25.8km s-min=18.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=12.1km s-min=7.9km az=60.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.5km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=7.4km s-min=3.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=12.2km s-min=3.9km az=23.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.23 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$3.35 $M_{r\theta}$0.83 $M_{\theta\phi}$-0.96 $M_{\phi r}$-0.46 NP1:ϕ_s178.03724° ,δ40.96422°,λ-70.89806°. NP2:ϕ_s333.39972°,δ51.72114°,λ-105.86066°. Principal axes: T 3.6651,Plg5.5034°,Azm74.5946°; N -0.2211,Plg12.3886°,Azm343.3819° ; P -3.4440,Plg76.4083°,Azm188.0797° $M_0$3.55970×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.18 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$3.40 $M_{r\theta}$0.85 $M_{\theta\phi}$-1.01 $M_{\phi r}$-0.54 NP1: ϕ_s178.65121°,δ40.47245°,λ-69.72368°. NP2:ϕ_s332.74776°,δ52.49287°,λ-106.47252°. Principal axes: T 3.7437,Plg6.1643°,Azm74.3824°; N -0.3291,Plg12.9992°,Azm342.9537° ; P -3.4146,Plg75.5666°,Azm189.1939° $M_0$3.59050×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.29 $M_{\theta\theta}$0.04 $M_{\phi\phi}$3.25 $M_{r\theta}$0.75 $M_{\theta\phi}$-1.00 $M_{\phi r}$-0.50 NP1: ϕ_s174.27216°,δ40.23792°,λ-74.35243°. NP2:ϕ_s334.12274°,δ51.53599°,λ-102.85677°. Principal axes: T 3.6005,Plg5.7361°,Azm73.2213°; N -0.1402,Plg10.0338°,Azm342.2029° ; P -3.4602,Plg78.4127°,Azm192.5556° $M_0$3.53242×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.21 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$3.39 $M_{r\theta}$0.95 $M_{\theta\phi}$-1.03 $M_{\phi r}$-0.50 NP1: ϕ_s179.36240°,δ40.84127°,λ-67.97784°. NP2:ϕ_s331.23118°,δ52.68103°,λ-107.95921°. Principal axes: T 3.7433,Plg6.0997°,Azm73.8974°; N -0.2533,Plg14.1945°,Azm342.3485° ; P -3.4900,Plg74.4995°,Azm186.5613° $M_0$3.62334×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.21 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$3.44 $M_{r\theta}$0.85 $M_{\theta\phi}$-0.97 $M_{\phi r}$-0.45 NP1: ϕ_s179.57570°,δ41.35379°,λ-69.46338°. NP2:ϕ_s333.05394°,δ51.77746°,λ-107.15936°. Principal axes: T 3.7404,Plg5.3527°,Azm75.1489°; N -0.2946,Plg13.4019°,Azm343.8696° ; P -3.4458,Plg75.5315°,Azm186.4404° $M_0$3.60217×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.24 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$3.44 $M_{r\theta}$0.86 $M_{\theta\phi}$-0.94 $M_{\phi r}$-0.36 NP1: ϕ_s180.02242°,δ42.11928°,λ-69.40764°. NP2:ϕ_s333.15858°,δ51.11021°,λ-107.64147°. Principal axes: T 3.7150,Plg4.6206°,Azm75.5738°; N -0.2469,Plg13.6440°,Azm344.4497° ; P -3.4680,Plg75.5660°,Azm183.8743° $M_0$3.59785×10^{16}
GFZ Error ellipse: s-maj=7.3km s-min=3.7km az=66.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108291929A. Moment Tensor Solution. s81,c98; s121,c187; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.98±.09 $M_{\theta\theta}$0.31±.14; $M_{\phi\phi}$4.67±.14; $M_{r\theta}$0.28±.10; $M_{\theta\phi}$-3.40±.15; $M_{\phi r}$-0.33±.11; Best double couple: NP1:ϕ_s153.00000°,δ43.00000° ,λ-88.00000°. NP2:ϕ_s330.00000°,δ47.00000°,λ-92.00000°. Principal axes: T 6.5440,Plg2.0000°,Azm61.0000°; N -1.5490,Plg1.0000°,Azm331.0000° ; P -4.9980,Plg87.0000°,Azm207.0000° $M_0$5.77100×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.23 $M_{\theta\theta}$0.32 $M_{\phi\phi}$3.91 $M_{r\theta}$0.08 $M_{\theta\phi}$-1.00 $M_{\phi r}$-0.02 NP1:ϕ_s166.37000°,δ44.76000° ,λ-88.61000°. NP2:ϕ_s344.41000°,δ45.26000°,λ-91.38000°. Principal axes: T 4.1726,Plg0.0000°,Azm75.0000°; N 0.0574,Plg1.0000°,Azm345.0000° ; P -4.2299,Plg89.0000°,Azm180.0000° $M_0$4.20000×10^{16}
BGR Event type ke.
MEX VIII 01 03 41 44.6–.79 16.36N 97.99W 5–36 3.5 ¶624839881
MEX Event type se. Error ellipse: s-maj=29.9km s-min=8.8km az=-1.0. Presumed earthquake.
ISC VIII 09 09 42 44.2–.80 16.72N–.04 94.67W–.03 104–9 3.6b 108 1-59
CATAC VIII 09 09 42 44.8–.42 17N–3.0 95W–3.0 95–8 5.3b,4.7 **¶621007250**
MEX VIII 09 09 42 46.2–.77 16.66N 94.69W 91–13 4.4,4.7
IDC VIII 09 09 42 48.7–4.2 16.91N 94.20W 138–44 3.8,3.2b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.4km s-min=4.3km az=35.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=4.0km s-min=4.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=39.4km s-min=17.7km az=54.0.
ISC IX 16 22 45 23.8–.40 16.64N–.03 96.31W–.03 46–3 5.0b,3.4s 514 1-142
GCG IX 16 22 45 17.3–2.8 17.00N 96.80W 16–999 5.5,3.4s **¶621080882**
GFZ IX 16 22 45 21.9–.30 17N–4.0 96W–4.0 10 5.4b,4.9b
NEIC IX 16 22 45 24.5–2.9 16.77N–.04 96.35W–.04 43–6 5.0b,4.8
NEIC IX 16 22 45 26.3 16.91N 96.22W 52 5.0b,4.8
MEX IX 16 22 45 26.0–.67 16.65N 96.38W 60–6 4.8,4.8
IDC IX 16 22 45 27.2–1.8 16.79N 96.12W 75–13 4.4,4.0b
NEIC IX 16 22 45 27.9 16.91N 96.22W 46 4.8,4.0b
CATAC IX 16 22 45 30.5–3.0 17N–5.0 96W–27 86 5.5b,5.4
ISC Event type se.
GCG Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 1s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.39 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$1.67 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.18 $M_{\phi r}$-0.71 NP1:ϕ_s195.63000°,δ35.43000° ,λ-55.11000°. NP2:ϕ_s335.07000°,δ61.60000°,λ-112.15000°. Principal axes: T 1.8773,Plg14.0000°,Azm81.0000°; N -0.0940,Plg19.0000°,Azm346.0000° ; P -1.7832,Plg66.0000°,Azm204.0000° $M_0$1.83000×10^{16}
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 06 22 54 52.9–.73 16.55N–.04 94.59W–.02 91–9 170 1-31
GCG IX 06 22 54 51.1–.92 16.67N 94.64W 82–26 4.8 **¶621039481**
NEIC IX 06 22 54 53.1–2.2 16.52N–.06 94.59W–.03 82–13 4.4,4.0b
MEX IX 06 22 54 53.6–1.1 16.53N 94.59W 97–10 4.4,4.0b
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=19.0km s-min=5.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=3.3km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.6km s-min=3.1km az=-1.0. Presumed earthquake.
ISC X 29 05 54 05.8–.56 16.91N–.03 95.10W–.03 106–6 4.1b 339 0-134
CATAC X 29 05 54 03.9–.29 17N–3.0 95W–2.0 10 5.2b,5.0 **¶621243372**
GCG X 29 05 54 03.4–1.7 17.02N 95.25W 101–44 4.7,5.0
IDC X 29 05 54 05.6–.60 16.93N 94.87W 98–3 4.1,3.7b
NEIC X 29 05 54 06.2–2.2 16.89N–.05 95.09W–.05 98–8 4.8,4.4b
MEX X 29 05 54 07.0–.98 16.82N 95.13W 95–11 4.7,4.4b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.9km s-min=4.0km az=25.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.94 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$2.13 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.95 $M_{\phi r}$0.21 NP1:ϕ_s171.99490° ,δ47.71071°,λ-73.70276°. NP2:ϕ_s328.50964°,δ44.76244°,λ-107.14571°. Principal axes: T 2.4754,Plg1.5056°,Azm250.5458°; N -0.4647,Plg11.9812°,Azm340.8654° ; P -2.0107,Plg77.9218°,Azm153.4903° $M_0$2.27884×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.92 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$2.08 $M_{r\theta}$0.19 $M_{\theta\phi}$-0.94 $M_{\phi r}$0.22 NP1: ϕ_s169.38818°,δ47.66449°,λ-76.81817°. NP2:ϕ_s330.21200°,δ43.96727°,λ-104.05259°. Principal axes: T 2.4300,Plg1.8748°,Azm250.1037°; N -0.4605,Plg9.7048°,Azm340.4244° ; P -1.9695,Plg80.1123°,Azm149.2801° $M_0$2.23559×10^{15}
GCG Event type se. Error ellipse: s-maj=13.9km s-min=16.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=15.5km s-min=11.4km az=80.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.0km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=4.8km s-min=3.7km az=-1.0. Presumed earthquake.
ISC IX 28 15 41 04.8–.64 16.55N–.03 94.81W–.02 100–6 4.4b 181 1-67
CATAC IX 28 15 41 04.0–.49 17N–4.0 95W–3.0 87–6 4.6b,4.5 **¶622499449**
MEX IX 28 15 41 04.9–.72 16.48N 94.77W 98–9 4.3,4.5
NEIC IX 28 15 41 05.1–1.3 16.53N–.04 94.76W–.04 90–3 4.3,4.2b
GCG IX 28 15 41 06.0–.53 16.70N 94.48W 124–16 4.6,4.2b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=25.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=5.9km s-min=3.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=8.2km s-min=14.0km az=-1.0. Presumed earthquake.
ISC X 01 10 14 54.6–1.4 16.20N–.04 95.06W–.02 29–14 53 1-5
GCG X 01 10 14 54.6–2.9 16.16N 95.06W 20–74 4.2 **¶625424184**
MEX X 01 10 14 57.2–.33 16.18N 95.06W 56–6 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=59.4km s-min=18.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0. Presumed earthquake.
ISC X 31 19 24 56.7–1.3 16.60N–.04 94.53W–.03 129–10 56 1-7
GCG X 31 19 24 59.6–.93 16.39N 94.47W 83–22 4.4 **¶625425738**
MEX X 31 19 25 00.5–.66 16.51N 94.53W 104–16 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=18.1km s-min=4.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=13.0km s-min=5.5km az=-1.0. Presumed earthquake.
MEX XI 29 03 33 47.9–.27 16.20N 97.49W 27–10 3.3 ¶625713130
MEX Event type se. Error ellipse: s-maj=1.6km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XI 13 10 21 31.2–1.1 16.59N–.02 95.14W–.02 5–7 4.2b 331 1-90
IDC XI 13 10 21 31.3–1.1 16.56N 95.18W 0 4.0L,3.9b **¶621402736**
MEX XI 13 10 21 31.8–.90 16.50N 95.05W 7–10 4.6,3.9b
NEIC XI 13 10 21 32.7–1.3 16.58N–.06 95.15W–.04 10–1 4.6,4.3b
GCG XI 13 10 21 32.6–1.5 16.84N 95.43W 37–999 4.5,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=16.1km az=81.0.
MEX Event type se. Error ellipse: s-maj=4.7km s-min=5.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.1km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=18.2km s-min=20.6km az=-1.0. Presumed earthquake.
ISC XII 01 07 03 37.8–.87 16.11N–.03 95.66W–.02 44–15 141 1-21
GCG XII 01 07 03 37.1–2.7 16.30N 95.85W 50–140 4.8 **¶625713276**
MEX XII 01 07 03 37.4–1.4 16.06N 95.58W 60–25 4.4
NEIC XII 01 07 03 38.1–2.6 16.15N–.05 95.65W–.04 49–7 4.4,4.0b
ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 07 13 45 05.7–.54 17.36N–.03 95.02W–.02 130–5 4.2b 244 0-134
NEIC XII 07 13 45 05.8–.91 17.39N–.05 94.99W–.05 125–5 4.3b,4.3 **¶621632672**
IDC XII 07 13 45 06.0–.56 17.19N 94.88W 121–4 3.7,3.2b
MEX XII 07 13 45 06.5–.48 17.34N 95.05W 130–3 4.3,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.6km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.1km s-min=10.6km az=48.0.
MEX Event type se. Error ellipse: s-maj=3.0km s-min=1.8km az=-1.0. Presumed earthquake.
ISC XII 08 23 38 25.9–.62 17.40N–.04 95.60W–.03 101–6 4.0b 142 0-84
IDC XII 08 23 38 26.5–1.1 17.43N 95.45W 101–8 3.9,3.5b **¶621634759**
NEIC XII 08 23 38 26.2–1.6 17.36N–.04 95.59W–.04 104–5 4.4,4.1b
MEX XII 08 23 38 27.7–.69 17.37N 95.61W 99–4 4.4,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=18.0km az=48.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.9km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=3.4km s-min=1.9km az=-1.0. Presumed earthquake.
MEX XII 15 09 08 52.8–.65 17.55N 95.22W 124–5 3.6 ¶625714469
MEX Event type se. Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0. Presumed earthquake.
ISC XII 28 15 12 27.5–.68 16.34N–.04 94.10W–.03 107–6 4.5b 230 1-90
NEIC XII 28 15 12 27.8–2.3 16.32N–.03 94.13W–.04 106–6 4.6,4.4b **¶621717396**
IDC XII 28 15 12 27.6–1.6 16.41N 94.00W 98–12 3.9,3.6b
CATAC XII 28 15 12 28.7–.40 16N–3.0 94W–2.0 97–5 5.7b,5.4b
GCG XII 28 15 12 29.0–2.4 16.45N 93.99W 105–30 4.2,5.4b
MEX XII 28 15 12 29.3–.48 16.35N 94.11W 103–4 4.6,5.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.8km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=17.5km az=178.0.
CATAC Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=29.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=16.0km s-min=42.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=2.8km s-min=2.0km az=-1.0. Presumed earthquake.
MEX XII 19 21 16 12.4–1.4 16.98N 94.96W 124–12 3.8 ¶625714855
MEX Event type se. Error ellipse: s-maj=9.6km s-min=8.1km az=-1.0. Presumed earthquake.

(61) Chiapas.

ISC VII 03 08 32 43.1–.65 17.43N–.04 94.68W–.03 146–6 4.0b 149 1-84
NEIC VII 03 08 32 43.5–2.3 17.45N–.08 94.68W–.05 147–6 4.5,4.1b **¶620733175**
MEX VII 03 08 32 45.5–1.0 17.37N 94.70W 144–9 4.5,4.1b
IDC VII 03 08 32 51.5–3.0 18.06N 94.16W 176–27 3.7,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.8km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=6.7km s-min=3.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=39.5km s-min=21.6km az=31.0.
ISC IX 08 17 56 08.3–1.6 17.34N–.04 92.60W–.03 6–11 36 1-5
GCG IX 08 17 56 09.0–.43 17.19N 92.68W 74–15 4.3 **¶625423450**
MEX IX 08 17 56 11.5–.63 17.26N 92.70W 5 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=3.5km s-min=6.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.6km s-min=6.7km az=-1.0. Presumed earthquake.
ISC VIII 09 15 31 53.2–.56 17.34N–.03 94.18W–.03 171–6 4.3b 276 1-88
GFZ VIII 09 15 31 53.3–.40 17N–3.0 94W–4.0 166–4 4.2b,4.2 **¶620979037**
NEIC VIII 09 15 31 54.7–1.4 17.44N–.07 94.12W–.06 168–6 4.5,4.3b
MEX VIII 09 15 31 55.5–.84 17.33N 94.15W 176–8 4.5,4.3b
IDC VIII 09 15 31 55.2–2.9 17.50N 93.96W 186–25 4.0,3.4b
ISC Event type se.
GFZ Error ellipse: s-maj=8.3km s-min=5.0km az=59.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.2km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=8.1km s-min=3.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=32.8km s-min=14.6km az=67.0.
ISC IX 12 19 07 47.8–.77 16.81N–.05 93.87W–.03 167–7 3.9b 81 1-89
GCG IX 12 19 07 44.4–3.0 17.11N 94.00W 182–53 4.6 **¶621109671**
IDC IX 12 19 07 48.6–1.1 17.13N 93.79W 157–13 3.9,3.6s
MEX IX 12 19 07 49.6–.86 16.83N 93.84W 163–7 4.3,3.6s
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=62.7km s-min=22.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=39.2km s-min=21.0km az=18.0.
MEX Event type se. Error ellipse: s-maj=5.3km s-min=3.6km az=-1.0. Presumed earthquake.
ISC X 06 09 12 14.0–1.2 16.07N–.04 93.88W–.03 107–9 72 1-7
GCG X 06 09 12 14.0–2.0 16.11N 93.92W 97–33 4.3 **¶625424358**
CATAC X 06 09 12 15.5–.41 16N–3.0 94W–2.0 94–5 5.2b,4.9b
MEX X 06 09 12 16.5–.58 16.08N 93.83W 103–6 4.1,4.9b
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=11.4km s-min=9.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=6.7km s-min=4.3km az=18.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=5.2km s-min=5.2km az=-1.0. Presumed earthquake.
ISC IX 28 13 12 24.9–1.3 17.39N–.05 94.97W–.03 147–9 67 0-5
GCG IX 28 13 12 26.5–.45 17.40N 94.95W 119–29 4.2 **¶625424078**
MEX IX 28 13 12 28.2–.42 17.46N 94.92W 134–4 4.2
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=32.0km s-min=10.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.1km s-min=3.2km az=-1.0. Presumed earthquake.
ISC X 19 02 47 36.4–1.5 16.22N–.06 93.78W–.04 127–12 41 1-4
GCG X 19 02 47 37.1–2.6 16.27N 93.81W 113–32 4.2 **¶625424855**
MEX X 19 02 47 38.5–.99 16.26N 93.77W 124–11 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=25.8km s-min=8.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.1km s-min=6.4km az=-1.0. Presumed earthquake.
ISC X 08 14 18 20.3–2.1 16.58N–.08 92.04W–.10 17–8 22 0-3
GCG X 08 14 18 22.2–.77 16.48N 92.09W 0–9 3.8 **¶625424439**
MEX X 08 14 18 25.2–.77 16.52N 92.12W 6–11 3.8
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=4.4km s-min=4.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.1km s-min=7.9km az=-1.0. Presumed earthquake.
ISC X 11 02 30 01.6–2.6 17.4N–.10 92.11W–.06 3–20 20 1-3
MEX X 11 02 30 02.7–.82 17.52N 91.75W 10 3.7 **¶625424556**
GCG X 11 02 30 02.9–1.1 17.42N 92.13W 12–23 4.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.8km s-min=8.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=18.7km s-min=24.5km az=-1.0. Presumed earthquake.
ISC X 13 21 44 16.0–1.7 16.62N–.07 93.99W–.04 148–13 35 1-4
MEX X 13 21 44 18.2–.92 16.68N 93.95W 144–7 3.9 **¶625424664**
GCG X 13 21 44 20.7–.46 16.30N 94.06W 78–25 3.6
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.4km s-min=3.3km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=9.8km s-min=2.9km az=-1.0. Presumed earthquake.
ISC X 17 23 26 32.4–.72 16.69N–.04 93.99W–.03 144–7 183 1-60
GCG X 17 23 26 29.5–1.2 16.63N 94.00W 163–30 4.3 **¶621205064**
CATAC X 17 23 26 32.2–.57 17N–4.0 94W–3.0 139–5 4.8b,4.4
NEIC X 17 23 26 32.6–2.4 16.65N–.06 93.95W–.05 138–7 4.6b,4.4
MEX X 17 23 26 33.8–1.3 16.74N 93.95W 138–9 4.4,4.4
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=26.1km s-min=6.9km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=14.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.2km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=6.4km s-min=3.9km az=-1.0. Presumed earthquake.
ISC X 20 08 57 28.8–1.5 16.50N–.06 93.16W–.05 214–10 100 0-7
GCG X 20 08 57 24.3–2.0 16.68N 93.13W 250–23 4.4 **¶625424906**
MEX X 20 08 57 30.9–.74 16.42N 93.19W 214–5 4.2
CATAC X 20 08 57 31.5–.62 16N–7.0 93W–5.0 190–4 3.8,3.8
ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 31 21 30 22.0–1.3 17.00N–.04 94.74W–.03 126–8 62 0-5
MEX X 31 21 30 24.2–.61 16.95N 94.73W 120–4 4.1 **¶625425740**
GCG X 31 21 30 25.8–3.4 16.73N 94.74W 64–762 4.1
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.1km s-min=2.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=234.3km s-min=84.5km az=-1.0. Presumed earthquake.
ISC XI 03 13 53 22.7–1.4 16.15N–.05 93.98W–.03 112–12 48 1-4
GCG XI 03 13 53 24.8–1.1 15.99N 93.97W 37–887 4.2 **¶625426363**
MEX XI 03 13 53 25.2–.98 16.16N 93.96W 105–9 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=22.9km s-min=4.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.9km s-min=4.1km az=-1.0. Presumed earthquake.
ISC XII 16 08 03 11.5–1.3 16.69N–.03 92.11W–.03 7–10 66 0-7
GCG XII 16 08 03 10.7–2.2 16.65N 92.11W 0–149 4.2 **¶625428679**
CATAC XII 16 08 03 12.3–.27 17N–2.0 92W–2.0 1 4.8b,4.4
MEX XII 16 08 03 14.7–.51 16.68N 92.14W 5–11 4.2,4.4
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=12.5km s-min=18.8km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=4.1km s-min=3.9km az=21.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=3.8km s-min=5.4km az=-1.0. Presumed earthquake.
ISC XII 06 07 33 44.1–1.2 16.15N–.04 93.99W–.03 112–10 96 1-7
GCG XII 06 07 33 45.0–2.7 16.19N 94.06W 91–44 4.3 **¶625428305**
CATAC XII 06 07 33 45.4–.45 16N–3.0 94W–2.0 103–5 5.0b,4.5b
MEX XII 06 07 33 46.4–.86 16.11N 94.04W 96–6 4.2,4.5b
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=16.2km s-min=14.0km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=7.1km s-min=4.4km az=16.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=3.7km s-min=3.0km az=-1.0. Presumed earthquake.
ISC XI 20 05 54 52.8–.64 17.44N–.04 94.30W–.03 172–6 3.9b 233 0-47
IDC XI 20 05 54 52.7–.71 17.54N 94.11W 159–8 3.9,3.4b **¶621425215**
NEIC XI 20 05 54 53.4–1.6 17.50N–.07 94.24W–.06 169–7 4.6,4.2b
MEX XI 20 05 54 54.1–.78 17.37N 94.32W 177–5 4.6,4.2b
GCG XI 20 05 54 54.4–3.5 17.54N 94.29W 50–151 4.5,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=12.8km az=30.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.2km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=8.6km s-min=4.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=28.4km s-min=26.3km az=-1.0. Presumed earthquake.
ISC XI 22 13 27 28.6–1.4 17.05N–.06 94.17W–.04 163–9 62 0-6
GCG XI 22 13 27 29.2–3.0 17.11N 94.19W 149–33 4.4 **¶625427872**
MEX XI 22 13 27 31.1–1.0 17.05N 94.13W 158–6 4.2
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=60.2km s-min=16.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.6km s-min=4.1km az=-1.0. Presumed earthquake.
ISC XII 22 18 59 01.7–1.7 16.14N–.06 93.59W–.05 121–14 32 1-5
MEX XII 22 18 59 02.3–.85 16.20N 93.56W 132–8 3.9 **¶625428917**
GCG XII 22 18 59 03.2–.92 15.79N 93.59W 36–999 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.0km s-min=4.6km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=37.1km s-min=5.8km az=-1.0. Presumed earthquake.

(62) Mexico-Guatemala border region.

ISC VII 10 10 51 36.2–1.6 15.48N–.06 92.39W–.06 171–9 43 0-6
MEX VII 10 10 51 39.1–.59 15.49N 92.41W 165–4 4.0 **¶624747044**
GCG VII 10 10 51 39.8–1.1 15.59N 92.23W 142–10 4.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.9km s-min=5.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=6.3km s-min=8.7km az=-1.0. Presumed earthquake.
ISC VII 18 04 23 59.1–2.3 15.50N–.07 92.29W–.09 196–14 33 0-5
MEX VII 18 04 24 02.5–.90 15.57N 92.30W 188–7 3.8 **¶624747624**
GCG VII 18 04 24 02.8–.98 15.64N 92.10W 166–9 3.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.9km s-min=9.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=7.3km s-min=15.1km az=-1.0. Presumed earthquake.
ISC VII 18 04 32 59.1–.85 15.72N–.02 91.39W–.02 6–6 4.6b,3.6s 231 0-99
SNET VII 18 04 32 55.3–2.5 16N–16 92W–15 10 5.4,5.3 **¶625366508**
IDC VII 18 04 32 57.3–.72 15.65N 91.39W 0 4.3,4.2b
GCG VII 18 04 33 00.3–2.3 15.65N 91.40W 13–15 5.1L,4.9
NEIC VII 18 04 33 00.3–2.7 15.75N–.04 91.34W–.05 10–1 4.6b,4.9
CATAC VII 18 04 33 01.8–.23 16N–3.0 92W–2.0 7 5.1,5.1
GFZ VII 18 04 33 02.3–.28 16N–4.0 91W–5.0 10 4.8,4.5b
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 18 13 03 43.3–1.6 15.98N–.05 91.69W–.05 19–4 24 1-4
MEX VII 18 13 03 42.5–.54 16.09N 91.73W 77–13 3.8 **¶624747640**
GCG VII 18 13 03 42.3–1.0 15.94N 91.62W 8–69 4.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.2km s-min=10.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=213.2km s-min=188.8km az=-1.0. Presumed earthquake.
ISC VII 25 05 21 30.9–.27 15.85N–.03 92.41W–.03 209–2 5.0b 678 1-149
GCG VII 25 05 21 30.7–2.0 15.88N 92.36W 198–9 5.2 **¶620845826**
MEX VII 25 05 21 31.8–.86 15.77N 92.60W 214–5 5.0
CATAC VII 25 05 21 31.9–.66 16N–7.0 92W–6.0 191–6 5.2,5.2
NEIC VII 25 05 21 32.1–.84 15.98N–.07 92.27W–.08 206–6 5.1b,5.2
IDC VII 25 05 21 32.1–.53 15.99N 92.05W 210–3 4.5,3.9b
NEIC VII 25 05 21 32 15.95N 92.29W 204 4.5,3.9b
GFZ VII 25 05 21 33.3–.36 16N–4.0 92W–3.0 208–5 5.0b,4.6
GFZ VII 25 05 21 33.8 15.96N 92.22W 225 4.9W,4.6
GCMT VII 25 05 21 34.2–.30 15.89N–.02 92.35W–.02 209–3 5.0W,4.6
NEIC VII 25 05 21 35.4 15.85N 92.40W 220 5.0,4.6
UPA VII 25 05 22 51.0–1.3 12.28N 87.09W 10–999 4.7W,4.6
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=7.1km s-min=7.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=18.8km s-min=5.9km az=38.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$0.78 $M_{r\theta}$-1.23 $M_{\theta\phi}$0.40 $M_{\phi r}$-1.99 NP1:ϕ_s167.66751° ,δ10.73182°,λ-134.14746°. NP2:ϕ_s32.32035°,δ82.32137°,λ-82.48003°. Principal axes: T 2.6363,Plg36.8884°,Azm115.6762°; N -0.3744,Plg7.4522°,Azm211.3099° ; P -2.2619,Plg52.1127°,Azm310.9873° $M_0$2.47050×10^{16} Moment Tension Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$0.72 $M_{r\theta}$-1.22 $M_{\theta\phi}$0.39 $M_{\phi r}$-1.98 NP1: ϕ_s172.01251°,δ9.87110°,λ-129.79905°. NP2:ϕ_s32.23236°,δ82.43156°,λ-83.64447°. Principal axes: T 2.5921,Plg37.1214°,Azm116.5987°; N -0.3347,Plg6.2999°,Azm211.3919° ; P -2.2574,Plg52.1642°,Azm309.5638° $M_0$2.44199×10^{16} Moment Tension Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$0.81 $M_{r\theta}$-1.23 $M_{\theta\phi}$0.42 $M_{\phi r}$-2.00 NP1: ϕ_s167.27871°,δ11.09868°,λ-134.58998°. NP2:ϕ_s32.40955°,δ82.12061°,λ-82.15879°. Principal axes: T 2.6597,Plg36.6515°,Azm115.5034°; N -0.3971,Plg7.7667°,Azm211.3280° ; P -2.2627,Plg52.2620°,Azm311.4781° $M_0$2.48511×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.53 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$0.80 $M_{r\theta}$-1.23 $M_{\theta\phi}$0.38 $M_{\phi r}$-1.97 NP1: ϕ_s168.98305°,δ11.07912°,λ-132.83376°. NP2:ϕ_s32.35458°,δ81.89893°,λ-82.41688°. Principal axes: T 2.6031,Plg36.4615°,Azm115.6919°; N -0.3147,Plg7.5070°,Azm211.2798° ; P -2.2884,Plg52.5207°,Azm311.1760° $M_0$2.46085×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.7km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.1km s-min=8.1km az=62.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.21 $M_{\theta\theta}$0.14 $M_{\phi\phi}$1.07 $M_{r\theta}$-1.45 $M_{\theta\phi}$0.53 $M_{\phi r}$-2.42 NP1: ϕ_s197.05284°,δ12.27288°,λ-103.04436°. NP2:ϕ_s30.39149°,δ78.04855°,λ-87.18904°. Principal axes: T 3.1322,Plg32.9917°,Azm118.0220°; N -0.0842,Plg2.7500°,Azm209.8089° ; P -3.0480,Plg56.8641°,Azm304.0287° $M_0$3.09092×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107250521A. Moment Tensor Solution. s16,c18; s90,c121; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.13 $M_{\theta\theta}$-0.12±.15; $M_{\phi\phi}$0.60±.16; $M_{r\theta}$-1.52±.10; $M_{\theta\phi}$0.36±.16; $M_{\phi r}$-3.14±.11; Best double couple: NP1:ϕ_s195.00000°,δ5.00000° ,λ-101.00000°. NP2:ϕ_s26.00000°,δ85.00000°,λ-89.00000°. Principal axes: T 3.6780,Plg40.0000°,Azm115.0000°; N -0.2710,Plg1.0000°,Azm206.0000° ; P -3.4060,Plg50.0000°,Azm297.0000° $M_0$3.54200×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1ŧ5 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.07 $M_{\theta\theta}$0.66 $M_{\phi\phi}$0.41 $M_{r\theta}$-1.22 $M_{\theta\phi}$0.04 $M_{\phi r}$-3.27 NP1:ϕ_s217.70000°,δ6.48000° ,λ-73.57000°. NP2:ϕ_s21.17000°,δ83.79000°,λ-91.84000°. Principal axes: T 3.2728,Plg39.0000°,Azm113.0000°; N 0.6035,Plg2.0000°,Azm21.0000° ; P -3.8763,Plg51.0000°,Azm289.0000° $M_0$3.61000×10^{16}
UPA Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ISC VIII 05 10 54 28.6–1.5 15.04N–.06 92.95W–.04 120–10 29 1-4
GCG VIII 05 10 54 34.7–1.1 15.21N 92.89W 68–21 3.9 **¶624840190**
MEX VIII 05 10 54 34.3–.73 15.21N 92.89W 96–7 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=6.5km s-min=7.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.7km s-min=7.1km az=-1.0. Presumed earthquake.
ISC VII 30 01 01 48.7–.52 15.10N–.03 92.84W–.02 94–4 4.1b 183 1-145
IDC VII 30 01 01 40.5–2.7 14.37N 92.43W 63–26 4.0,3.9L **¶620883010**
CATAC VII 30 01 01 49.5–.58 15N–4.0 93W–4.0 77–5 4.2,4.2
NEIC VII 30 01 01 50.0–2.1 15.15N–.06 92.75W–.06 99–3 4.5,4.1b
MEX VII 30 01 01 49.6–1.0 15.17N 92.80W 108–8 4.5,4.1b
GCG VII 30 01 01 50.0–1.6 15.24N 92.72W 87–13 4.7,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=26.1km az=142.0.
CATAC Event type se. Error ellipse: s-maj=11.8km s-min=3.9km az=48.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.3km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=8.4km s-min=8.3km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=5.9km s-min=11.4km az=-1.0. Presumed earthquake.
ISC VIII 11 16 35 42.4–1.9 15.14N–.08 92.81W–.08 106–13 24 1-4
MEX VIII 11 16 35 44.9–1.1 15.17N 92.83W 99–8 3.8 **¶624840556**
GCG VIII 11 16 35 44.7–1.6 15.25N 92.79W 83–18 3.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=11.4km s-min=9.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=8.6km s-min=10.5km az=-1.0. Presumed earthquake.
ISC VIII 12 07 54 19.5–1.4 15.34N–.05 92.31W–.04 169–8 57 0-6
GCG VIII 12 07 54 22.6–1.9 15.44N 92.24W 148–13 4.3 **¶624840583**
CATAC VIII 12 07 54 22.6–.68 15N–5.0 92W–5.0 144–5 4.0b,3.5
MEX VIII 12 07 54 22.0–.67 15.44N 92.38W 164–5 3.9,3.5
ISC Event type se.

GCG Event type se. Error ellipse: s-maj=8.8km s-min=10.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=11.9km s-min=7.7km az=42.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=8.1km s-min=8.4km az=-1.0. Presumed earthquake.

ISC	**VIII**	**22 08 03 47.1–1.2**	**15.55N–.03**	**91.02W–.02**	**4–12**		**40**	**1-5**	
CATAC	VIII	22 08 03 48.9–.29	16N–3.0	91W–2.0	1	3.8b,3.5			**¶626018298**
GCG	VIII	22 08 03 48.4–2.1	15.61N	90.94W	5–14	4.2,3.5			

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.5km s-min=3.4km az=21.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=4.3km s-min=6.8km az=-1.0. Presumed earthquake.

ISC	**IX**	**07 02 44 53.4–1.2**	**16.94N–.04**	**91.34W–.05**	**12–13**		**24**	**1-3**	
MEX	IX	07 02 44 56.8–.58	16.99N	91.33W	9–38	3.9			**¶625423402**
GCG	IX	07 02 44 58.4–1.8	16.78N	91.48W	51–56	4.4			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=27.0km s-min=17.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=20.4km s-min=10.9km az=-1.0. Presumed earthquake.

ISC	**VIII**	**29 08 37 51.1–2.2**	**15.91N–.08**	**92.50W–.07**	**216–13**		**33**	**1-5**	
MEX	VIII	29 08 37 52.9–.99	16.00N	92.43W	210–8	3.8			**¶624841579**
GCG	VIII	29 08 37 52.1–.62	15.90N	92.28W	204–14	3.8			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.8km s-min=9.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=49.9km s-min=18.1km az=-1.0. Presumed earthquake.

ISC	**X**	**09 09 33 12.0–.43**	**15.67N–.03**	**92.37W–.03**	**200–4**	**4.5b**	**481**	**0-144**	
GCG	X	09 09 33 11.3–1.4	15.69N	92.36W	192–11	4.4			**¶621143773**
CATAC	X	09 09 33 11.3–.51	16N–5.0	93W–4.0	195–4	4.5,4.5			
IDC	X	09 09 33 12.3–.69	15.77N	92.15W	195–6	4.2,3.7b			
NEIC	X	09 09 33 12.5–1.3	15.71N–.04	92.27W–.07	189–4	4.7,4.6b			
MEX	X	09 09 33 12.1–.81	15.65N	92.38W	204–6	4.7,4.6b			
GFZ	X	09 09 33 14.7–.53	16N–3.0	92W–5.0	202–5	4.8b,4.5b			

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**IX**	**20 08 09 54.7–1.4**	**15.52N–.06**	**91.14W–.04**	**2–12**		**34**	**0-4**	
GCG	IX	20 08 09 55.3–2.1	15.70N	90.99W	10–45	4.5			**¶626018547**
CATAC	IX	20 08 09 58.2–.25	15N–5.0	91W–4.0	1	3.6,3.6			

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**11 02 34 07.4–1.7**	**15.68N–.06**	**92.45W–.05**	**209–11**		**63**	**1-8**	
GCG	IX	11 02 34 07.6–.82	15.75N	92.23W	203–12	4.4			**¶625423537**
MEX	IX	11 02 34 08.6–.81	15.74N	92.40W	210–7	4.2			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=7.4km s-min=6.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.5km s-min=7.4km az=-1.0. Presumed earthquake.

GCG	**IX**	**14 23 43 54.0–2.1**	**15.61N**	**91.48W**	**10–28**	**3.5**			**¶626742084**

GCG Event type se. Error ellipse: s-maj=10.2km s-min=13.8km az=-1.0. Presumed earthquake.

ISC	**X**	**03 09 10 49.7–3.7**	**15.4N–.10**	**92.2W–.10**	**154–21**		**18**	**0-3**	
MEX	X	03 09 10 50.5–.55	15.31N	92.22W	162–6	3.7			**¶625424225**
GCG	X	03 09 10 50.5–1.2	15.50N	92.19W	141–16	3.6			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.1km s-min=5.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=18.9km s-min=18.6km az=-1.0. Presumed earthquake.

ISC	**X**	**06 04 11 08.4–2.0**	**15.31N–.08**	**91.91W–.07**	**220–11**		**35**	**0-5**	
GCG	X	06 04 11 08.8–1.4	15.43N	91.77W	211–13	3.5			**¶625424355**
MEX	X	06 04 11 08.3–.62	15.28N	91.90W	237–8	4.0			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=13.3km s-min=13.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=12.7km s-min=11.9km az=-1.0. Presumed earthquake.

ISC	**IX**	**27 23 51 14.9–2.9**	**15.12N–.09**	**92.2W–.10**	**147–19**		**19**	**0-4**	
GCG	IX	27 23 51 16.1–.29	15.17N	91.91W	136–5	3.5			**¶625424051**
MEX	IX	27 23 51 16.4–.75	15.24N	92.10W	165–14	3.8			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=5.6km s-min=6.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=21.7km s-min=13.1km az=-1.0. Presumed earthquake.

ISC	**X**	**14 11 42 56.9–1.3**	**17.21N–.03**	**91.91W–.05**	**1–12**		**24**	**1-3**	
GCG	X	14 11 42 57.7–.66	17.21N	91.92W	0–7	3.9			**¶625424700**
MEX	X	14 11 43 02.7–.53	17.20N	91.89W	68–21	3.6			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=2.8km s-min=4.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.7km s-min=8.9km az=-1.0. Presumed earthquake.

ISC	**X**	**14 05 08 59.0–1.7**	**16.25N–.06**	**91.06W–.06**	**4–11**		**29**	**1-4**	
MEX	X	14 05 08 58.5–.34	16.40N	90.80W	10	3.9			**¶625424698**
GCG	X	14 05 09 00.7–1.5	16.13N	91.24W	0–10	3.9			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=3.6km s-min=4.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=8.5km s-min=7.4km az=-1.0. Presumed earthquake.

ISC	**X**	**18 22 30 59.7–.60**	**15.01N–.04**	**92.64W–.03**	**95–5**	**4.2b**	**285**	**0-149**	
IDC	X	18 22 30 58.3–2.3	15.08N	92.48W	92–16	4.1,3.7b			**¶621211174**
MEX	X	18 22 30 58.9–.72	15.00N	92.63W	103–7	4.5,3.7b			
CATAC	X	18 22 31 00.8–.33	15N–3.0	93W–3.0	66–5	4.6,4.6			
NEIC	X	18 22 31 00.7–1.8	15.13N–.04	92.58W–.05	86–3	4.5,4.2b			
GCG	X	18 22 31 00.3–1.3	15.03N	92.55W	82–6	5.0L,4.8			

ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=13.6km az=13.0.
MEX Event type se. Error ellipse: s-maj=7.9km s-min=8.1km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=7.4km s-min=3.1km az=42.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.2km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=5.6km s-min=9.6km az=-1.0. Presumed earthquake.

ISC	**XI**	**03 08 43 45.4–1.7**	**15.11N–.06**	**92.62W–.05**	**107–11**		**37**	**0-5**	
MEX	XI	03 08 43 46.3–.75	15.22N	92.45W	114–6	4.1			**¶625426299**
GCG	XI	03 08 43 46.8–.76	15.22N	92.57W	97–12	4.0			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.3km s-min=9.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=5.6km s-min=7.4km az=-1.0. Presumed earthquake.

ISC	**XI**	**05 05 34 12.3–1.4**	**15.88N–.07**	**92.79W–.04**	**8–14**		**17**	**0-3**	
GCG	XI	05 05 34 13.1–1.6	15.94N	92.81W	22–14	3.0			**¶625426559**
MEX	XI	05 05 34 14.2–.75	15.74N	92.79W	18–30	3.8			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=9.5km s-min=10.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=23.4km s-min=4.7km az=-1.0. Presumed earthquake.

ISC	**XII**	**01 15 20 44.8–1.2**	**16.90N–.02**	**91.34W–.02**	**6–8**	**4.3b,3.2s**	**190**	**1-137**	
GCG	XII	01 15 20 42.5–1.7	16.92N	91.39W	176–28	5.1L,4.7			**¶621629826**
IDC	XII	01 15 20 44.2–.91	16.76N	91.29W	0	4.0b,3.9			
MEX	XII	01 15 20 45.3–.64	17.04N	91.16W	10	4.4,3.9			
NEIC	XII	01 15 20 46.0–2.8	16.89N–.03	91.34W–.03	10–1	4.4,4.3b			
CATAC	XII	01 15 20 51.1–.48	17N–3.0	92W–2.0	2–4	5.3b,5.2b			

ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.18 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-0.34 $M_{r\theta}$-0.50 $M_{\theta\phi}$1.22 $M_{\phi r}$-0.17 NP1:ϕ_s277.91485° ,δ79.40744°,λ21.95653°. NP2:ϕ_s183.67655°,δ68.43654°,λ168.59999°. Principal axes: T 1.3667,Plg22.9462°,Azm142.5029°; N -0.0080,Plg65.7362°,Azm302.4267° ; P -1.3587,Plg7.4639°,Azm49.3233° $M_0$1.36271×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.30 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.32 $M_{r\theta}$-0.54 $M_{\theta\phi}$0.99 $M_{\phi r}$-0.22 NP1: ϕ_s279.42792°,δ73.61108°,λ29.20195°. NP2:ϕ_s180.46595°,δ62.09119°,λ161.37991°. Principal axes: T 1.2004,Plg32.0384°,Azm142.6974°; N -0.0254,Plg56.8706°,Azm306.2134° ; P -1.1751,Plg7.5539°,Azm47.9372° $M_0$1.18796×10^{15}

ISC	**XII**	**25 07 57 41.6–1.3**	**15.42N–.05**	**92.47W–.04**	**154–8**		**62**	**0-6**	
GCG	XII	25 07 57 40.5–1.0	15.37N	92.42W	162–12	4.1			**¶625428972**
CATAC	XII	25 07 57 42.7–.37	16N–3.0	92W–2.0	145–4	4.0b,4.0			
MEX	XII	25 07 57 43.3–.80	15.44N	92.36W	153–5	4.1,4.0			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=8.3km s-min=7.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=7.5km s-min=3.2km az=35.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=3.9km s-min=5.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 07 03 07.1–.21**	**15.49N–.03**	**92.15W–.03**	**178–1**	**5.4b**	**1310**	**0-161**	
BGR	XII	13 07 03 01.8	13.81N	92.09W	185–4	5.3b			**¶621627939**
MEX	XII	13 07 03 07.5–.85	15.44N	92.22W	178–6	5.6			
MOS	XII	13 07 03 07.5–1.1	15.59N	91.96W	188	5.4b			
NEIC	XII	13 07 03 07.2–1.1	15.57N–.07	92.03W–.08	167–1	5.7,5.5b			
PTWC	XII	13 07 03 07	15.50N	92.20W	160	5.5,5.5b			
GCG	XII	13 07 03 07.5–.94	15.46N	92.15W	162–10	5.9L,5.4			
NEIC	XII	13 07 03 08.6	15.56N	92.05W	180	5.9L,5.4			
IDC	XII	13 07 03 08.4–.43	15.65N	91.84W	184–2	5.1,4.6b			
CATAC	XII	13 07 03 08.6–.41	16N–3.0	92W–3.0	154–4	5.6,5.6			
NEIC	XII	13 07 03 08.6	15.56N	92.05W	180	5.6,5.6			
GCMT	XII	13 07 03 09.9–.10	15.54N–.01	92.17W–.01	173–0	5.7W,5.6			
GFZ	XII	13 07 03 09.5–.34	16N–3.0	92W–3.0	180–4	5.9b,5.9			
GFZ	XII	13 07 03 10.6	15.58N	91.98W	166	5.6W,5.9			
NEIC	XII	13 07 03 13.1	15.56N	92.05W	180	5.7,5.9			

ISC Event type ke.
BGR Event type ke.
MEX Event type se. Error ellipse: s-maj=5.6km s-min=6.7km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=8.5km s-min=4.9km az=103.5.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=9.1km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.87 $M_{\theta\theta}$-1.11 $M_{\phi\phi}$-0.76 $M_{r\theta}$1.79 $M_{\theta\phi}$0.85 $M_{\phi r}$-3.22 NP1:ϕ_s296.06000°,δ14.93000°,λ58.75000°. NP2:ϕ_s148.19000°,δ77.28000° ,λ97.88000°. Principal axes: T 4.2418,Plg57.0000°,Azm68.0000°; N -0.2573,Plg8.0000° ,Azm326.0000°; P -3.9845,Plg32.0000°,Azm232.0000° $M_0$4.12000×10^{17}
PTWC MEXICO-GUATEMALA BORDER REGION.
GCG Event type se. Error ellipse: s-maj=5.0km s-min=8.3km az=-1.0. Presumed earthquake.
NEIC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=6.1km az=53.0.
CATAC Event type se. Error ellipse: s-maj=7.6km s-min=3.5km az=42.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.60 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-0.45 $M_{r\theta}$1.13 $M_{\theta\phi}$-0.20 $M_{\phi r}$-1.64 NP1:ϕ_s148.11571° ,δ84.37490°,λ83.64708°. NP2:ϕ_s16.75538°,δ8.47770°,λ138.32724°. Principal axes: T 2.2537,Plg50.2364°,Azm51.0893°; N -0.4185,Plg6.3222°,Azm148.7410° ; P -1.8351,Plg39.0553°,Azm243.8986° $M_0$2.07628×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.88 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$0.60 $M_{r\theta}$1.42 $M_{\theta\phi}$0.62 $M_{\phi r}$-2.53 NP1: ϕ_s144.84129°,δ82.18450°,λ112.13358°. NP2:ϕ_s253.32736°,δ23.40736°,λ20.01699°. Principal axes: T 3.3480,Plg48.1651°,Azm78.3838°; N -0.2527,Plg21.9173°,Azm321.6755° ; P -3.0953,Plg33.5565°,Azm216.1968° $M_0$3.22910×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.04 $M_{\theta\theta}$-2.09 $M_{\phi\phi}$1.05 $M_{r\theta}$2.07 $M_{\theta\phi}$0.72 $M_{\phi r}$-3.51 NP1: ϕ_s143.70259°,δ83.50681°,λ112.87048°. NP2:ϕ_s248.71040°,δ23.72668°,λ16.32258°. Principal axes: T 4.7023,Plg46.6607°,Azm77.3071°; N -0.3907,Plg22.7155°,Azm320.9716° ; P -4.3116,Plg34.5674°,Azm214.2070° $M_0$4.51961×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.48 $M_{\theta\theta}$-2.10 $M_{\phi\phi}$0.62 $M_{r\theta}$1.71 $M_{\theta\phi}$1.22 $M_{\phi r}$-2.95 NP1: ϕ_s144.03021°,δ78.23564°,λ114.79897°. NP2:ϕ_s257.84079°,δ27.28760°,λ26.40571°. Principal axes: T 4.0728,Plg50.5868°,Azm81.8785°; N 0.0000,Plg24.2441°,Azm318.6486° ; P -4.0728,Plg28.9632°,Azm214.2153° $M_0$4.07283×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112130703A. Moment Tensor Solution. s139,c276; s159,c339;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.04 $M_{\theta\theta}$-1.92±.04; $M_{\phi\phi}$0.69±.04; $M_{r\theta}$2.04±.03; $M_{\theta\phi}$0.66±.04; $M_{\phi r}$-3.59±.03; Best double couple: NP1: ϕ_s254.00000°,δ21.00000°,λ21.00000°. NP2:ϕ_s145.00000°,δ83.00000°,λ109.00000°. Principal axes: T 4.7360,Plg49.0000°,Azm75.0000°; N -0.4990,Plg19.0000°,Azm322.0000° ; P -4.2370,Plg35.0000°,Azm218.0000° $M_0$4.48700×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.58 $M_{\phi\phi}$0.33 $M_{r\theta}$1.50 $M_{\theta\phi}$0.69 $M_{\phi r}$-2.77 NP1: ϕ_s144.84539°,δ80.08656°,λ109.51415°. NP2:ϕ_s260.75513°,δ21.80003°,λ27.61858°. Principal axes: T 3.6971,Plg51.1028°,Azm76.9416°; N -0.3534,Plg19.2113°,Azm321.3539° ; P -3.3436,Plg32.3305°,Azm218.6129° $M_0$3.53362×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$-1.70 $M_{\phi\phi}$0.76 $M_{r\theta}$2.11 $M_{\theta\phi}$0.56 $M_{\phi r}$-3.66 NP1:ϕ_s251.55000°,δ18.51000° ,λ16.70000°. NP2:ϕ_s145.67000°,δ84.77000°,λ107.78000°. Principal axes: T 4.7220,Plg47.0000°,Azm74.0000°; N -0.4617,Plg18.0000°,Azm324.0000° ; P -4.2603,Plg37.0000°,Azm220.0000° $M_0$4.51000×10^{17}

ISC	**XII**	**22 02 12 50.5–.47**	**15.03N–.04**	**92.65W–.04**	**90–4**	**4.5b**	**505**	**0-145**	
GCG	XII	22 02 12 49.5–.94	14.95N	92.76W	82–9	5.3L,4.4			**¶621637444**
IDC	XII	22 02 12 51.0–.72	15.16N	92.44W	93–5	4.3,3.9b			
MEX	XII	22 02 12 51.3–.66	14.93N	92.75W	82–5	4.9,3.9b			
CATAC	XII	22 02 12 52.7–.23	15N–2.0	93W–2.0	58–4	5.7b,5.4			
NEIC	XII	22 02 12 52.6–1.3	15.05N–.08	92.51W–.09	103–6	4.6b,5.4			

ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(65) Off coast of Guerrero.

ISC	**VIII**	**14 18 50 55.9–.61**	**14.90N–.06**	**103.54W–.05**	**10**	**4.4b,4.0s**	**164**	**3-125**	
IDC	VIII	14 18 50 54.2–.92	14.60N	103.92W	0	4.1s,4.0b			**¶620993277**
NEIC	VIII	14 18 50 55.8–1.7	14.95N–.08	103.6W–.10	10–1	4.5b,4.0b			
MEX	VIII	14 18 51 01.1–1.2	15.09N	103.30W	10	4.7,4.0b			

ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=14.4km az=26.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=13.8km az=259.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=15.0km s-min=16.4km az=-1.0. Presumed earthquake.

ISC	**X**	**24 14 40 52.2–.74**	**15.75N–.02**	**98.08W–.01**	**1–4**	**4.4b,3.7s**	**178**	**1-93**	
IDC	X	24 14 40 52.6–3.4	15.67N	97.44W	0	3.8L,3.8b			**¶621238286**
MEX	X	24 14 40 57.4–.92	15.75N	98.17W	10	4.5,3.8b			
NEIC	X	24 14 40 59.4–1.7	16.03N–.06	98.01W–.05	10–1	4.7,4.4b			

ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**09 15 43 05.7–1.5**	**15.91N–.05**	**98.37W–.03**	**5–9**		**106**	**1-59**	
IDC	X	09 15 43 04.1–3.7	15.84N	98.19W	0	3.6L,3.5b			**¶621235333**
MEX	X	09 15 43 08.5–.98	16.02N	98.40W	5	4.4,3.5b			

ISC Event type se.
IDC Error ellipse: s-maj=557.9km s-min=49.9km az=71.0.
MEX Event type se. Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0. Presumed earthquake.

(66) Near coast of Oaxaca.

ISC	**VII**	**19 20 56 19.2–1.5**	**15.20N–.05**	**96.24W–.03**	**14–9**	**4.2b**	**171**	**1-29**	
NEIC	VII	19 20 56 20.8–2.4	15.30N–.05	96.25W–.04	10–1	4.4,4.1b			**¶622450719**
MEX	VII	19 20 56 23.1–.52	15.34N	96.22W	15	4.4,4.1b			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.6km az=30.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=3.5km s-min=2.5km az=-1.0. Presumed earthquake.
MEX VIII 01 03 41 50.3–.85 15.37N 94.76W 16–13 4.0
¶624839882
MEX Event type se. Error ellipse: s-maj=8.0km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VIII 17 07 49 58.4–.91 15.13N–.05 94.39W–.03 43–9 4.4b,3.8s 276 1-144
CATAC VIII 17 07 49 55.3–.90 15N–3.0 94W–4.0 4–6 4.9,4.9 **¶620990424**
MEX VIII 17 07 49 56.2–.72 15.06N 94.43W 16–13 4.5,4.9
IDC VIII 17 07 49 58.4–2.2 15.26N 94.28W 43–17 4.0L,4.0
GFZ VIII 17 07 50 00.8–.80 15N–5.0 94W–6.0 41–7 4.5b,4.5
NEIC VIII 17 07 50 00.0–2.8 15.26N–.07 94.26W–.02 40–9 4.5,4.4b
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.02 $M_{\theta\theta}$-1.73 $M_{\phi\phi}$1.75 $M_{r\theta}$1.42 $M_{\theta\phi}$0.75 $M_{\phi r}$-2.84 NP1:ϕ_s329.84886°,δ89.49863°,λ-120.61041°. NP2:ϕ_s239.00151°,δ30.61411°,λ-0.98456°. Principal axes: T 3.8517,Plg37.0391°,Azm86.6614°; N -0.3234,Plg30.6091°,Azm330.1455°; P -3.5283,Plg37.9327°,Azm212.6873° $M_0$3.70061×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.28 $M_{\theta\theta}$-1.91 $M_{\phi\phi}$1.63 $M_{r\theta}$1.31 $M_{\theta\phi}$0.89 $M_{\phi r}$-2.84 NP1:ϕ_s149.25816°,δ87.61928°,λ122.59180°. NP2:ϕ_s242.97567°,δ32.66908°,λ4.41359°. Principal axes: T 3.8771,Plg38.6541°,Azm88.4496°; N -0.3574,Plg32.5602°,Azm327.7369°; P -3.5197,Plg34.4628°,Azm211.7445° $M_0$3.71132×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.27 $M_{\theta\theta}$-2.22 $M_{\phi\phi}$1.95 $M_{r\theta}$1.19 $M_{\theta\phi}$0.41 $M_{\phi r}$-2.87 NP1:ϕ_s144.51852°,δ87.44098°,λ125.21640°. NP2:ϕ_s238.13793°,δ35.29727°,λ4.43171°. Principal axes: T 4.1240,Plg37.4946°,Azm85.4451°; N -0.8578,Plg35.1761°,Azm322.7134°; P -3.2662,Plg33.0619°,Azm205.4048° $M_0$3.76907×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.02 $M_{\theta\theta}$-1.73 $M_{\phi\phi}$1.75 $M_{r\theta}$1.43 $M_{\theta\phi}$0.75 $M_{\phi r}$-2.84 NP1:ϕ_s329.84367°,δ89.49422°,λ-120.65810°. NP2:ϕ_s238.99049°,δ30.66187°,λ-0.99183°. Principal axes: T 3.8510,Plg37.0137°,Azm86.6872°; N -0.3215,Plg30.6568°,Azm330.1435°; P -3.5295,Plg37.9148°,Azm212.6479° $M_0$3.70072×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.04 $M_{\theta\theta}$-1.82 $M_{\phi\phi}$1.86 $M_{r\theta}$1.42 $M_{\theta\phi}$0.77 $M_{\phi r}$-2.83 NP1:ϕ_s329.55029°,δ89.38121°,λ-122.02225°. NP2:ϕ_s238.56099°,δ32.02759°,λ-1.16686°. Principal axes: T 3.9031,Plg36.2879°,Azm87.2708°; N -0.3468,Plg32.0202°,Azm329.9373°; P -3.5563,Plg37.3813°,Azm211.3955° $M_0$3.74180×10^{15}
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 03 18 14 58.1–.72 15.13N–.05 94.67W–.02 10 4.2b,3.4s 110 2-98
NEIC VIII 03 18 15 00.2–1.5 15.17N–.08 94.65W–.01 10–2 4.2,4.2b **¶620995887**
MEX VIII 03 18 15 03.4–.62 15.07N 94.65W 16–5 4.3,4.2b
IDC VIII 03 18 15 04.3–1.4 15.45N 94.49W 0 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=3.2km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.3km s-min=1.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=28.2km s-min=16.6km az=25.0.
ISC VIII 15 15 49 13.8–1.3 15.42N–.05 95.99W–.02 18–6 113 0-87
NEIC VIII 15 15 49 12.6–1.5 15.37N–.03 95.96W–.02 10–1 4.4b,4.3 **¶622451524**
MEX VIII 15 15 49 16.8–.63 15.54N 95.97W 8–4 4.3,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.5km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.4km s-min=4.7km az=-1.0. Presumed earthquake.
ISC VIII 03 23 36 25.4–.66 15.19N–.05 94.74W–.03 28 4.2b,3.5s 204 1-90
CATAC VIII 03 23 36 26.7–1.3 15N–3.0 95W–5.0 2–7 5.2b,4.7 **¶620965861**
MEX VIII 03 23 36 27.4–.88 15.20N 94.72W 16–11 4.5,4.7
NEIC VIII 03 23 36 28.8–2.3 15.29N–.09 94.67W–.06 40–5 4.5,4.2b
IDC VIII 03 23 36 34.8–3.7 15.74N 94.31W 80–27 3.8,3.5b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.5km s-min=5.1km az=61.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=10.0km s-min=2.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.2km az=199.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.5km s-min=22.0km az=20.0.
ISC VIII 08 04 57 57.7–.84 15.99N–.04 94.78W–.03 68–9 4.0b 244 1-85
NEIC VIII 08 04 57 57.2–1.7 15.99N–.06 94.75W–.04 58–7 4.5,4.1b **¶620979997**
CATAC VIII 08 04 57 58.1–.33 16N–2.0 95W–2.0 70–10 5.4b,4.9
MEX VIII 08 04 57 58.0–.80 15.98N 94.77W 67–18 4.5,4.9
IDC VIII 08 04 57 59.1–3.1 16.03N 94.42W 75–27 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.4km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=5.7km s-min=3.4km az=42.7. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.63 $M_{\theta\theta}$-0.88 $M_{\phi\phi}$-0.75 $M_{r\theta}$0.60 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.12 NP1:ϕ_s122.69649°,δ54.95943°,λ79.18439°. NP2:ϕ_s321.10065°,δ36.46677°,λ104.98064°. Principal axes: T 1.7649,Plg77.0705°,Azm356.3253°; N -0.1604,Plg8.8377°,Azm128.9561°; P -1.6045,Plg9.3617°,Azm220.4250° $M_0$1.69042×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.75 $M_{\theta\theta}$-0.92 $M_{\phi\phi}$-0.83 $M_{r\theta}$0.67 $M_{\theta\phi}$0.72 $M_{\phi r}$-0.17 NP1:ϕ_s123.66365°,δ55.71576°,λ79.75005°. NP2:ϕ_s321.46117°,δ35.60333°,λ104.62832°. Principal axes: T 1.9078,Plg76.7146°,Azm0.4655°; N -0.2042,Plg8.4546°,Azm129.4798°; P -1.7036,Plg10.1725°,Azm221.0081° $M_0$1.81438×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.81 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.99 $M_{r\theta}$0.73 $M_{\theta\phi}$0.98 $M_{\phi r}$0.20 NP1:ϕ_s119.39272°,δ53.31520°,λ66.91548°. NP2:ϕ_s334.89824°,δ42.46234°,λ117.75866°. Principal axes: T 2.0662,Plg70.7488°,Azm332.1591°; N -0.1411,Plg18.3264°,Azm133.6782°; P -1.9252,Plg5.6939°,Azm225.5708° $M_0$1.99942×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.79 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-0.98 $M_{r\theta}$0.72 $M_{\theta\phi}$0.98 $M_{\phi r}$0.19 NP1:ϕ_s119.33818°,δ53.32915°,λ66.89307°. NP2:ϕ_s334.88192°,δ42.46143°,λ117.79234°. Principal axes: T 2.0411,Plg70.7261°,Azm332.1236°; N -0.1343,Plg18.3472°,Azm133.6341°; P -1.9068,Plg5.7023°,Azm225.5317° $M_0$1.97736×10^{15}
MEX Event type se. Error ellipse: s-maj=5.7km s-min=1.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=26.0km s-min=15.8km az=53.0.
ISC VIII 29 09 36 46.6–1.6 15.38N–.05 95.96W–.03 17–12 72 0-9
CATAC VIII 29 09 36 51.2–1.2 16N–5.0 96W–3.0 20–10 5.1b,4.7b **¶624841581**
MEX VIII 29 09 36 51.0–.96 15.43N 95.91W 7–4 4.3,4.7b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.4km s-min=5.9km az=21.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=-1.0. Presumed earthquake.
ISC VIII 22 16 26 18.0–1.9 15.51N–.04 97.34W–.03 17–12 4.5b 237 1-143
IDC VIII 22 16 26 18.3–.80 15.95N 97.07W 0 4.1b,4.1 **¶620999561**
MEX VIII 22 16 26 18.3–.55 15.52N 97.31W 16–35 4.8,4.1
NEIC VIII 22 16 26 20.8–2.0 15.97N–.03 96.98W–.03 10–1 4.8,4.5b
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 20 10 32 44.9–.75 15.93N–.04 94.42W–.03 78–9 3.8b 146 1-85
IDC IX 20 10 32 42.5–2.1 15.90N 94.21W 62–16 3.7,3.4b **¶621086509**
GCG IX 20 10 32 43.9–1.9 16.04N 94.48W 50–301 5.2,3.4b
MEX IX 20 10 32 45.4–.77 15.88N 94.45W 68–14 4.2,3.4b
NEIC IX 20 10 32 47.3–2.3 16.2N–.10 94.27W–.06 53–14 4.2b,3.4b
CATAC IX 20 10 32 47.1–.83 16N–3.0 94W–2.0 30–7 5.2b,4.9b
ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 31 09 08 35.2–.88 15.57N–.04 94.07W–.03 60–10 3.6b 93 1-61
GCG VIII 31 09 08 32.2–2.0 15.57N 94.09W 8–999 5.0 **¶621071744**
IDC VIII 31 09 08 34.2–2.9 15.56N 93.87W 56–20 4.0L,3.7
CATAC VIII 31 09 08 36.7–.59 16N–3.0 94W–3.0 28–4 5.3b,5.2b
MEX VIII 31 09 08 36.6–.38 15.47N 94.08W 51–9 4.4,5.2b
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=13.4km s-min=9.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=29.7km s-min=13.2km az=25.0.
CATAC Event type se. Error ellipse: s-maj=7.7km s-min=3.8km az=53.4. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.73 $M_{\theta\theta}$0.13 $M_{\phi\phi}$0.60 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.02 $M_{\phi r}$-0.76 NP1:ϕ_s183.08472°,δ20.51417°,λ-74.26450°. NP2:ϕ_s346.34169°,δ70.28718°,λ-95.79413°. Principal axes: T 0.9653,Plg25.0719°,Azm80.8619°; N 0.1472,Plg5.4535°,Azm348.3020°; P -1.1125,Plg64.2604°,Azm246.8807° $M_0$1.04666×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.74 $M_{\theta\theta}$0.13 $M_{\phi\phi}$0.61 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.02 $M_{\phi r}$-0.76 NP1:ϕ_s182.19602°,δ20.66755°,λ-75.19446°. NP2:ϕ_s346.42130°,δ70.04837°,λ-95.50601°. Principal axes: T 0.9661,Plg24.8546°,Azm80.7095°; N 0.1482,Plg5.1746°,Azm348.3052°; P -1.1143,Plg64.5398°,Azm247.3406° $M_0$1.04810×10^{15}
MEX Event type se. Error ellipse: s-maj=3.4km s-min=3.0km az=-1.0. Presumed earthquake.
ISC IX 01 01 58 57.7–1.1 15.60N–.05 94.99W–.03 44–51 71 1-7
GCG IX 01 01 58 58.4–.63 15.84N 95.07W 50–72 4.6 **¶625423194**
MEX IX 01 01 58 59.4–.70 15.67N 94.98W 22–17 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=14.3km s-min=7.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.8km s-min=2.4km az=-1.0. Presumed earthquake.
ISC IX 18 15 38 01.2–1.3 15.50N–.06 94.86W–.03 54–35 63 1-7
GCG IX 18 15 38 02.2–2.9 15.66N 94.88W 36–824 4.7 **¶625423780**
MEX IX 18 15 38 03.5–.55 15.57N 94.83W 16–6 4.3
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=22.9km s-min=13.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.6km s-min=1.9km az=-1.0. Presumed earthquake.
ISC IX 20 14 41 00.6–1.1 15.66N–.04 94.99W–.02 37–2 4.3b 121 1-36
NEIC IX 20 14 41 01.2–1.7 15.65N–.06 95.00W–.04 37–14 4.4b,4.3 **¶622452184**
MEX IX 20 14 41 02.8–1.3 15.68N 95.01W 36–118 4.3,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.6km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=-1.0. Presumed earthquake.
ISC IX 22 08 06 44.3–1.4 15.56N–.06 95.00W–.03 27–14 51 1-5
MEX IX 22 08 06 47.6–.67 15.59N 94.94W 24–12 4.0 **¶625423905**
GCG IX 22 08 06 47.9–3.1 15.81N 95.09W 38–999 4.5
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=3.6km s-min=2.1km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=176.2km s-min=187.8km az=-1.0. Presumed earthquake.
ISC IX 28 05 09 44.6–1.9 15.70N–.05 95.01W–.03 30–19 70 1-8
GCG IX 28 05 09 45.7–2.6 15.80N 95.06W 36–999 4.3 **¶625424071**
MEX IX 28 05 09 47.2–.94 15.74N 94.99W 17–807 4.2
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=41.8km s-min=46.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.2km s-min=3.4km az=-1.0. Presumed earthquake.
ISC IX 24 02 04 34.3–1.3 15.47N–.05 94.71W–.02 12–10 39 1-5
GCG IX 24 02 04 41.7–3.5 15.66N 94.84W 37–999 4.1 **¶625423956**
MEX IX 24 02 04 41.3–.68 15.38N 94.72W 16–11 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=45.0km s-min=38.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.2km s-min=2.9km az=-1.0. Presumed earthquake.
ISC X 01 05 42 53.8–1.8 15.45N–.06 94.15W–.03 4–12 33 1-5
GCG X 01 05 42 59.3–.58 15.57N 94.21W 35–999 3.8 **¶625424177**
MEX X 01 05 43 00.5–.89 15.37N 94.17W 18–68 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=10.7km s-min=3.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.9km s-min=3.8km az=-1.0. Presumed earthquake.
ISC X 03 16 19 06.3–1.3 15.60N–.06 94.99W–.02 14–10 38 1-5
GCG X 03 16 19 11.7–.63 16.19N 95.35W 61–34 4.1 **¶625424233**
MEX X 03 16 19 12.3–.59 15.55N 95.11W 14–10 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=35.4km s-min=17.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.9km s-min=2.8km az=-1.0. Presumed earthquake.
ISC X 06 09 04 41.3–1.3 15.43N–.06 94.10W–.03 16–11 24 1-4
MEX X 06 09 04 51.7–.84 15.77N 93.83W 86–18 3.9 **¶625424357**
GCG X 06 09 05 06.8–2.0 14.56N 92.32W 57–17 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.1km s-min=8.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=12.8km s-min=11.5km az=-1.0. Presumed earthquake.
ISC X 13 15 51 21.4–1.4 15.91N–.05 94.11W–.03 29–15 31 1-4
MEX X 13 15 51 23.3–.94 15.88N 94.07W 82–15 3.8 **¶625424661**
GCG X 13 15 51 23.3–.33 15.99N 93.95W 21–25 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.7km s-min=6.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=16.9km s-min=20.0km az=-1.0. Presumed earthquake.
ISC X 08 04 58 12.9–.69 15.86N–.03 95.15W–.02 10 3.9b 205 1-22
NEIC X 08 04 58 15.2–2.2 15.98N–.04 95.18W–.03 10–2 4.6,4.1b **¶622499524**
MEX X 08 04 58 18.5–.99 15.92N 95.16W 15–6 4.3,4.1b
GCG X 08 04 58 21.9–2.6 15.99N 94.92W 35–899 4.7,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.9km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=3.2km s-min=1.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=50.1km s-min=70.4km az=-1.0. Presumed earthquake.
MEX X 12 23 01 38.6–.80 15.14N 96.29W 17–999 3.9
¶625707588
MEX Event type se. Error ellipse: s-maj=15.1km s-min=5.0km az=-1.0. Presumed earthquake.
ISC X 17 08 26 56.3–2.1 15.5N–.10 94.75W–.04 33–6 13 1-3
GCG X 17 08 26 55.8–.96 15.49N 94.77W 35–21 3.7 **¶625424785**
MEX X 17 08 26 56.5–1.3 15.45N 94.70W 33–999 3.7
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=12.3km s-min=5.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.5km s-min=6.0km az=-1.0. Presumed earthquake.
ISC X 26 17 43 47.5–1.7 15.84N–.05 95.31W–.02 15–12 52 1-5
GCG X 26 17 43 50.6–.72 15.98N 95.36W 37–429 4.4 **¶625425130**
MEX X 26 17 43 51.6–.68 15.77N 95.28W 15 4.2
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=13.6km s-min=13.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0. Presumed earthquake.
ISC X 19 08 17 01.3–2.3 15.82N–.05 95.07W–.03 34–5 37 1-4
GCG X 19 08 17 01.6–.46 15.99N 95.08W 35–18 3.8 **¶625424860**
MEX X 19 08 17 03.2–.74 15.84N 95.03W 34–177 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=18.0km s-min=4.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.1km s-min=2.7km az=-1.0. Presumed earthquake.
ISC X 21 20 22 07.5–.75 15.95N–.04 94.18W–.03 81–8 4.4b 345 1-126
GCG X 21 20 20 11.1–3.1 19.64N 101.90W 0–999 5.2 **¶621235967**
NEIC X 21 20 22 08.8–1.6 16.03N–.06 94.00W–.06 85–7 4.6,4.4b
CATAC X 21 20 22 09.0–.71 16N–4.0 94W–3.0 29–6 5.5b,5.2b
IDC X 21 20 22 09.7–2.1 16.22N 93.91W 87–10 4.4,4.0b
MEX X 21 20 22 09.0–.64 15.90N 94.14W 86–8 4.6,4.0b
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.3km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=9.2km s-min=3.5km az=28.4. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.45 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$0.79 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.36 $M_{\phi r}$0.27 NP1:ϕ_s319.16391°,δ83.54643°,λ145.88862°. NP2:ϕ_s53.51754°,δ56.13419°,λ7.77962°. Principal axes: T 0.9394,Plg28.2625°,Azm270.8223°; N 0.5681,Plg55.3562°,Azm129.7421°

; P -1.5076,Plg18.3341°,Azm11.0843° $M_0$1.31873×10^{18}
IDC Error ellipse: s-maj=30.3km s-min=13.5km az=10.0.
MEX Event type se. Error ellipse: s-maj=3.4km s-min=3.7km az=-1.0. Presumed earthquake.
ISC X 22 18 38 58.2–1.3 15.93N–.04 94.95W–.02 30–14 81 1-8
CATAC X 22 18 38 58.1–1.1 16N–6.0 95W–4.0 7–9 5.4b,4.9 **¶625424988**
GCG X 22 18 38 58.9–.49 16.02N 95.02W 40–12 4.6,4.9
MEX X 22 18 38 59.9–.63 15.86N 94.91W 24–29 4.1,4.9
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=12.0km s-min=9.0km az=14.4. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=7.8km s-min=4.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.6km s-min=3.4km az=-1.0. Presumed earthquake.
ISC X 30 03 46 21.9–2.4 15.30N–.07 94.76W–.03 3–16 39 1-4
GCG X 30 03 46 26.8–1.6 15.32N 94.81W 36–999 4.4 **¶625425335**
MEX X 30 03 46 27.9–1.1 15.35N 94.72W 17–15 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=24.7km s-min=19.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=11.3km s-min=4.2km az=-1.0. Presumed earthquake.
ISC X 29 09 22 53.0–1.2 15.63N–.05 94.20W–.03 64–26 65 1-7
MEX X 29 09 22 54.8–.67 15.63N 94.21W 65–14 4.2 **¶625425259**
GCG X 29 09 22 54.0–1.1 15.69N 94.21W 37–999 4.4
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=17.1km s-min=5.6km az=-1.0. Presumed earthquake.
ISC X 30 16 50 25.7–1.4 15.33N–.05 94.75W–.02 12–11 34 1-3
MEX X 30 16 50 32.2–.94 15.26N 94.74W 18–10 4.1 **¶625425350**
GCG X 30 16 50 32.0–2.6 15.36N 94.81W 39–999 4.3
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.9km s-min=2.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=42.3km s-min=115.6km az=-1.0. Presumed earthquake.
ISC XI 06 09 53 46.0–1.7 15.44N–.05 94.35W–.03 13–13 48 1-5
MEX XI 06 09 53 49.9–.92 15.34N 94.36W 19–18 4.0 **¶625426700**
GCG XI 06 09 53 50.1–2.9 15.59N 94.42W 51–645 4.1
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=68.1km s-min=22.3km az=-1.0. Presumed earthquake.
ISC XI 03 11 14 18.1–1.3 15.48N–.05 94.69W–.02 15–10 40 1-5
GCG XI 03 11 14 24.2–1.9 15.51N 94.72W 38–999 4.3 **¶625426335**
MEX XI 03 11 14 24.7–.83 15.41N 94.69W 18–999 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=24.4km s-min=16.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.1km s-min=2.6km az=-1.0. Presumed earthquake.
ISC XI 06 23 05 08.4–1.8 15.38N–.07 94.37W–.04 12–12 24 1-3
GCG XI 06 23 05 09.8–3.5 15.55N 94.40W 0–999 3.9 **¶625426721**
MEX XI 06 23 05 12.9–.52 15.37N 94.38W 16–7 3.7
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=144.7km s-min=63.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.8km s-min=1.8km az=-1.0. Presumed earthquake.
ISC XI 13 12 38 28.8–1.3 15.60N–.04 95.62W–.03 11–8 4.8b,4.3s 376 1-143
MEX XI 13 12 38 30.7–.96 15.49N 95.69W 15–5 4.9,4.3s **¶621402737**
NEIC XI 13 12 38 31.0–1.5 15.89N–.09 95.49W–.08 10–1 4.8b,4.3s
IDC XI 13 12 38 34.3–2.4 15.83N 95.36W 43–19 4.5,4.2L
GFZ XI 13 12 38 35.8–.31 16N–4.0 95W–4.0 10 5.3b,5.2L
GCMT XI 13 12 38 35.3–.40 15.70N–.02 95.48W–.03 22–1 4.9W,5.2L
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111131238A. Moment Tensor Solution. s27,c34; s74,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.10±.16 $M_{\theta\theta}$-1.60±.10; $M_{\phi\phi}$-0.50±.09; $M_{r\theta}$1.85±.14; $M_{\theta\phi}$0.63±.05; $M_{\phi r}$-0.61±.14; Best double couple: NP1:ϕ_s297.00000°,δ23.00000° ,λ97.00000°. NP2:ϕ_s110.00000°,δ67.00000°,λ87.00000°. Principal axes:
T 2.8990,Plg68.0000°,Azm15.0000°; N -0.2250,Plg3.0000°,Azm111.0000°
; P -2.6750,Plg22.0000°,Azm202.0000° $M_0$2.78700×10^{16}
ISC XI 25 19 01 25.9–.71 15.25N–.05 96.84W–.04 10 4.4b 148 1-89
MEX XI 25 19 01 23.8–1.0 14.96N 97.04W 16–55 4.3 **¶621468830**
NEIC XI 25 19 01 26.9–1.5 15.29N–.04 96.72W–.06 10–1 4.3,4.3b
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 16 06 28 03.1–1.7 15.45N–.08 94.72W–.03 15–13 23 1-3
MEX XI 16 06 28 07.9–.58 15.46N 94.70W 17–9 4.1 **¶625427603**
GCG XI 16 06 28 08.7–.38 16.00N 94.87W 35–10 4.2
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.4km s-min=2.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=12.2km s-min=4.1km az=-1.0. Presumed earthquake.
ISC XI 28 16 10 03.2–1.4 15.18N–.05 94.52W–.02 4–11 41 2-4
GCG XI 28 16 10 12.0–.87 15.29N 94.62W 39–20 3.8 **¶625428070**
MEX XI 28 16 10 12.5–1.4 15.20N 94.55W 16–12 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=9.2km s-min=3.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.7km s-min=4.5km az=-1.0. Presumed earthquake.
ISC XII 06 00 20 01.6–.64 15.83N–.03 95.95W–.02 8–4 5.1b,4.4s 570 0-157
IDC XII 06 00 20 00.1–.60 15.77N 96.00W 0 4.7b,4.7 **¶621613039**
GCG XII 06 00 20 00.1–2.8 15.95N 96.28W 16–47 5.5L,4.8
NEIC XII 06 00 20 03.2–2.2 15.93N–.07 95.92W–.05 13–3 5.1,5.1b
MEX XII 06 00 20 03.6–1.1 15.64N 96.08W 10–4 5.1,5.1b
GFZ XII 06 00 20 06.8–.35 16N–5.0 96W–4.0 10 6.2L,5.4b
CATAC XII 06 00 20 07.5–.35 16N–4.0 96W–2.0 91–6 5.8,5.5b
GCMT XII 06 00 20 07.9–.20 15.88N–.01 95.93W–.02 24–0 5.1W,5.5b
ISC Event type se.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.89 $M_{\theta\theta}$-1.92 $M_{\phi\phi}$0.03 $M_{r\theta}$1.16 $M_{\theta\phi}$2.48 $M_{\phi r}$-1.53 NP1:ϕ_s147.76670° ,δ67.25330°,λ119.96202°. NP2:ϕ_s271.61793°,δ36.96774°,λ40.01339°. Principal axes:
T 2.7658,Plg56.9682°,Azm98.1466°; N 1.3985,Plg27.4247°,Azm315.2011°
; P -4.1643,Plg16.9509°,Azm216.1012° $M_0$3.67063×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}1.86 $M_{\theta\theta}$-1.68 $M_{\phi\phi}$-0.18 $M_{r\theta}$1.21 $M_{\theta\phi}$2.54 $M_{\phi r}$-1.51 NP1: ϕ_s147.60553°,δ66.57728°,λ116.53667°. NP2:ϕ_s276.12565°,δ34.82231°,λ44.11712°.
Principal axes: T 2.6734,Plg59.4929°,Azm96.0908°; N 1.4928,Plg24.2020°,Azm316.3777°
; P -4.1662,Plg17.4216°,Azm218.2698° $M_0$3.65599×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112060020A. Moment Tensor Solution. s60,c74; s91,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.59±.17 $M_{\theta\theta}$-3.79±.11; $M_{\phi\phi}$0.20±.10; $M_{r\theta}$2.73±.14; $M_{\theta\phi}$0.19±.06; $M_{\phi r}$-1.95±.15; Best double couple: NP1:ϕ_s255.00000°,δ29.00000° ,λ55.00000°. NP2:ϕ_s113.00000°,δ67.00000°,λ107.00000°. Principal axes:
T 5.1500,Plg64.0000°,Azm52.0000°; N -0.3180,Plg16.0000°,Azm286.0000°
; P -4.8220,Plg20.0000°,Azm190.0000° $M_0$4.98600×10^{16}
ISC XI 30 13 15 29.7–1.1 15.54N–.04 96.26W–.03 14–6 4.0b 151 0-30
IDC XI 30 13 15 26.7–3.7 15.05N 95.98W 0 3.7L,3.5 **¶621627061**
NEIC XI 30 13 15 31.6–.87 15.66N–.06 96.26W–.04 16–5 4.4,4.3b
MEX XI 30 13 15 33.0–.52 15.61N 96.19W 4–8 4.4,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=53.6km s-min=25.2km az=163.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.9km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.0km s-min=6.4km az=-1.0. Presumed earthquake.
ISC XII 26 21 33 36.0–.55 15.15N–.05 94.81W–.03 22 4.3b 201 1-90
IDC XII 26 21 33 33.0–1.4 15.18N 94.86W 0 4.1b,4.1 **¶621653739**
MEX XII 26 21 33 37.8–1.2 15.15N 94.85W 18–34 4.5,4.1
GCG XII 26 21 33 37.5–2.5 15.23N 94.77W 29–300 4.6,4.1
CATAC XII 26 21 33 37.8–.60 15N–5.0 95W–3.0 65–16 5.2b,5.1b
NEIC XII 26 21 33 39.5–1.9 15.36N–.06 94.73W–.04 35–2 4.5,4.3b
ISC Event type se.
MEX Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 15 52 01.7–1.8 15.47N–.06 94.95W–.03 11–13 39 1-4
GCG XII 12 15 52 07.9–3.1 16.01N 95.10W 35–128 3.7 **¶625428529**
MEX XII 12 15 52 07.1–.78 15.54N 94.92W 25–12 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=118.7km s-min=34.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=-1.0. Presumed earthquake.
ISC XII 17 10 56 37.2–1.3 15.13N–.06 94.60W–.03 10 50 1-5
MEX XII 17 10 56 41.5–.90 15.15N 94.64W 16–8 4.2 **¶625428736**
GCG XII 17 10 56 42.2–1.0 15.42N 94.70W 50–127 4.4
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.2km s-min=2.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=38.6km s-min=14.8km az=-1.0. Presumed earthquake.
ISC XII 16 07 49 56.9–.69 15.88N–.03 94.05W–.02 81–7 4.3b 360 1-85
GCG XII 16 07 49 55.2–1.4 15.94N 94.12W 92–41 4.6 **¶621631003**
IDC XII 16 07 49 57.3–1.1 16.02N 93.90W 80–7 4.1,3.9b
CATAC XII 16 07 49 58.7–.68 16N–3.0 94W–3.0 31–9 4.9b,4.8b
NEIC XII 16 07 49 58.8–1.2 15.98N–.06 93.91W–.06 84–7 4.6,4.3b
MEX XII 16 07 49 58.6–.64 15.87N 94.05W 75–8 4.6,4.3b
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=9.8km s-min=6.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.4km s-min=6.9km az=31.0.
CATAC Event type se. Error ellipse: s-maj=7.0km s-min=4.3km az=43.0. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.3km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=4.2km s-min=4.9km az=-1.0. Presumed earthquake.
ISC XII 16 08 41 25.7–1.5 15.47N–.05 94.69W–.03 15–11 31 1-5
GCG XII 16 08 41 29.9–3.1 15.47N 94.77W 50–665 4.6 **¶625428680**
MEX XII 16 08 41 30.2–.94 15.32N 94.68W 17–10 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=66.6km s-min=300.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.7km s-min=2.9km az=-1.0. Presumed earthquake.
ISC XII 29 05 14 20.5–1.6 15.33N–.05 94.76W–.03 2–12 67 1-8
GCG XII 29 05 14 21.7–2.3 15.38N 94.81W 2–326 4.4 **¶625429073**
CATAC XII 29 05 14 26.1–1.1 15N–3.0 95W–4.0 22–10 5.1b,4.9b
MEX XII 29 05 14 26.5–1.4 15.33N 94.76W 16–15 4.4,4.9b
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=39.0km s-min=152.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.9km s-min=5.0km az=50.0. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=8.7km s-min=4.2km az=-1.0. Presumed earthquake.

(68) Off coast of Chiapas.

ISC VII 09 14 38 36.0–4.0 13.8N–.10 92.35W–.08 16–27 19 1-4
GCG VII 09 14 38 39.9–1.6 13.82N 92.03W 13–22 4.0 **¶624746979**
MEX VII 09 14 38 40.0–.39 13.85N 92.39W 15 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=20.2km s-min=23.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.6km s-min=9.8km az=-1.0. Presumed earthquake.
ISC VII 11 18 01 13.2–2.9 14.0N–.20 92.1W–.10 52–51 19 1-4
GCG VII 11 18 01 13.9–1.0 14.09N 92.05W 66–35 3.8 **¶624747142**
MEX VII 11 18 01 13.5–.36 13.89N 92.27W 31–12 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=27.1km s-min=9.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VII 18 07 11 40.1–3.5 13.98N–.10 93.07W–.07 34–6 25 1-5
GCG VII 18 07 11 41.4–1.4 13.97N 93.01W 18–15 4.4 **¶624747630**
MEX VII 18 07 11 44.3–1.2 14.03N 93.02W 15–35 3.7
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=12.2km s-min=16.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=25.5km s-min=18.4km az=-1.0. Presumed earthquake.
ISC VIII 28 23 04 47.6–1.8 13.81N–.08 94.22W–.04 6–12 32 2-4
MEX VIII 28 23 05 00.4–.32 13.91N 93.97W 10 4.0 **¶624841560**
GCG VIII 28 23 05 02.1–1.3 13.76N 93.71W 35–156 4.1
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=3.3km s-min=1.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=58.7km s-min=59.2km az=-1.0. Presumed earthquake.
ISC VII 22 10 34 25.7–1.9 13.97N–.08 93.66W–.04 10–13 28 2-4
MEX VII 22 10 34 33.8–.61 14.10N 93.67W 15 4.0 **¶624747863**
GCG VII 22 10 34 36.0–1.5 14.26N 93.41W 21–19 4.2
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.9km s-min=6.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=17.4km s-min=20.5km az=-1.0. Presumed earthquake.
ISC VIII 24 09 33 55.8–.77 13.39N–.07 92.08W–.06 37 4.0b,3.5s 68 1-81
IDC VIII 24 09 33 51.5–1.5 13.36N 92.17W 0 3.7b,3.5 **¶625369479**
NEIC VIII 24 09 33 53.6–1.6 13.50N–.10 91.9W–.10 10–2 4.1b,3.5
GCG VIII 24 09 33 57.6–1.5 13.68N 91.96W 55–83 4.4,3.5
SNET VIII 24 09 34 05.1 14N–15 91W–15 157–14 3.5,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 23 13 23 51.6–.56 13.75N–.06 92.13W–.04 36–2 4.4b,3.7s 147 1-146
SNET VIII 23 13 23 32.0–1.7 14N–26 94W–13 10 5.7,5.7b **¶625369400**
NEIC VIII 23 13 23 49.6–2.2 13.67N–.07 92.05W–.07 10–1 4.6,4.4b
MEX VIII 23 13 23 53.5–.71 13.84N 92.17W 16–32 4.4,4.4b
IDC VIII 23 13 23 57.2–2.5 13.87N 91.67W 83–19 4.1,3.8b
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.2km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=6.0km s-min=8.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=29.6km s-min=15.2km az=50.0.
ISC VIII 30 04 46 09.1–1.7 13.94N–.05 92.20W–.03 20–5 84 1-146
IDC VIII 30 04 46 03.2–2.5 13.44N 92.09W 0 3.5L,3.5b **¶625369831**
GCG VIII 30 04 46 08.3–1.5 13.81N 92.31W 50–93 4.7,3.5b
CATAC VIII 30 04 46 11.8–.78 14N–6.0 92W–4.0 29–7 3.9,3.9
MEX VIII 30 04 46 11.2–.60 13.90N 92.23W 9–27 4.1,3.9
SNET VIII 30 04 46 17.9 14N–37 92W–37 34–79 9.7,9.1b
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 31 18 10 49.8–2.5 13.93N–.10 92.36W–.08 11–13 20 1-4
MEX VIII 31 18 10 55.4–.50 14.02N 92.46W 14–21 3.8 **¶624841744**
GCG VIII 31 18 11 00.0–.76 14.52N 91.99W 63–49 3.5
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=14.7km s-min=7.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=20.9km s-min=72.9km az=-1.0. Presumed earthquake.
ISC IX 02 17 01 57.6–3.5 13.8N–.10 92.20W–.06 1–27 23 1-5

MEX IX 02 17 02 01.8–.62 13.77N 92.39W 15 3.8 **¶625423232**
GCG IX 02 17 02 01.5–.97 13.83N 92.08W 3–21 3.8
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.8km s-min=6.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=13.5km s-min=11.9km az=-1.0. Presumed earthquake.
ISC IX 04 14 06 36.5–2.7 14.0N–.10 92.05W–.07 33–4 19 1-2
MEX IX 04 14 06 40.5–.45 14.06N 92.12W 31–13 3.6 **¶625423300**
GCG IX 04 14 06 41.3–1.3 14.35N 91.90W 58–31 3.3
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.3km s-min=4.3km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=36.9km s-min=21.0km az=-1.0. Presumed earthquake.
ISC IX 04 18 09 35.5–2.3 14.0N–.10 92.05W–.08 17–13 21 1-3
MEX IX 04 18 09 42.7–.53 14.18N 92.01W 66–21 3.6 **¶625423301**
GCG IX 04 18 09 42.4–1.3 14.20N 91.93W 49–40 3.4
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=15.2km s-min=11.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=24.7km s-min=19.9km az=-1.0. Presumed earthquake.
ISC IX 09 00 46 43.0–3.9 13.7N–.20 92.3W–.20 32 14 1-2
MEX IX 09 00 46 47.7–.41 13.62N 92.24W 16–999 3.8 **¶625423478**
GCG IX 09 00 46 50.9–2.0 14.01N 92.11W 58–69 4.1
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=22.9km s-min=10.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=47.4km s-min=23.2km az=-1.0. Presumed earthquake.
ISC IX 04 15 52 05.0–1.0 14.15N–.06 94.16W–.03 10 3.6b 60 2-145
IDC IX 04 15 52 08.6–1.8 14.22N 93.94W 0 3.5L,3.5b **¶621081639**
GCG IX 04 15 52 08.8–1.2 13.95N 94.15W 38–38 4.3,3.5b
MEX IX 04 15 52 10.6–1.0 14.09N 94.15W 13–18 4.1,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=23.3km az=3.0.
GCG Event type se. Error ellipse: s-maj=13.2km s-min=8.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=13.8km s-min=6.7km az=-1.0. Presumed earthquake.
ISC IX 07 00 35 47.4–4.9 13.7N–.20 92.2W–.20 37 9 1-2
MEX IX 07 00 35 51.0–.60 13.81N 92.24W 16–80 3.8 **¶625423400**
GCG IX 07 00 35 55.2–.37 14.44N 91.81W 76–50 3.3
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=63.3km s-min=50.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=72.6km s-min=28.2km az=-1.0. Presumed earthquake.
ISC IX 17 07 57 35.6–1.6 13.97N–.08 93.98W–.04 35 37 2-8
GCG IX 17 07 57 38.8–1.4 14.02N 93.83W 36–126 4.4 **¶625423754**
MEX IX 17 07 57 40.5–.86 14.21N 94.08W 16–40 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=33.7km s-min=43.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=37.7km s-min=8.0km az=-1.0. Presumed earthquake.
ISC IX 11 23 13 38.8–2.6 13.8N–.10 92.27W–.07 4–13 31 1-4
MEX IX 11 23 13 40.8–.57 13.73N 92.39W 3–25 3.9 **¶625423543**
GCG IX 11 23 13 46.3–1.2 14.00N 91.90W 16–10 3.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=17.5km s-min=11.6km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.5km s-min=9.0km az=-1.0. Presumed earthquake.
ISC IX 23 02 17 10.5–2.5 13.7N–.10 92.07W–.08 10 18 1-4
GCG IX 23 02 17 00.6–.92 13.28N 92.71W 21–999 3.7 **¶625423932**
MEX IX 23 02 17 11.3–.31 13.57N 92.18W 18–18 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=302.8km s-min=354.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.4km s-min=7.4km az=-1.0. Presumed earthquake.
ISC IX 23 11 58 01.9–1.8 14.91N–.06 94.19W–.03 25–18 50 1-8
MEX IX 23 11 58 05.5–.61 14.95N 94.24W 19–114 4.2 **¶625423934**
GCG IX 23 11 58 06.9–1.7 14.98N 94.04W 35–130 4.4
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.5km s-min=5.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=41.1km s-min=83.8km az=-1.0. Presumed earthquake.
ISC IX 25 07 18 47.0–2.1 13.96N–.08 92.09W–.06 9–11 35 1-4
GCG IX 25 07 18 51.8–1.8 13.99N 92.06W 42–8 3.5 **¶625423984**
MEX IX 25 07 18 52.7–.63 14.01N 92.10W 16–198 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=13.2km s-min=14.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=160.3km s-min=47.1km az=-1.0. Presumed earthquake.
ISC IX 24 09 58 55.6–.97 13.73N–.05 92.10W–.04 43–9 4.3b,3.5s 313 1-146
IDC IX 24 09 58 46.0–.90 13.17N 91.93W 0 4.2b,4.2 **¶621109402**
NEIC IX 24 09 58 46.5–1.4 13.24N–.08 91.84W–.06 10–1 4.4b,4.3
MEX IX 24 09 58 53.3–.82 13.52N 92.20W 15 4.4,4.3
CATAC IX 24 09 58 54.9–.44 14N–5.0 92W–4.0 84–11 4.6b,4.5
GCG IX 24 09 58 55.1–3.0 13.71N 92.08W 36–78 4.7,4.5
GFZ IX 24 09 58 58.5–.56 14N–4.0 92W–5.0 41–5 5.5b,4.9
UCR IX 24 09 59 49.8–.58 12.68N 88.04W 20 3.8W,4.9
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=12.9km az=37.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.9km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=8.5km s-min=8.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=13.5km s-min=2.8km az=33.2. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=35.9km s-min=32.2km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=12.7km s-min=5.8km az=50.6. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
UCR Event type se. Error ellipse: s-maj=118.8km s-min=36.3km az=-1.0. Presumed earthquake.
ISC IX 25 19 48 49.3–1.3 13.96N–.07 94.19W–.03 35 49 2-6
GCG IX 25 19 48 53.3–.60 14.10N 94.05W 33–56 3.9 **¶625423991**
MEX IX 25 19 48 53.8–.74 14.16N 94.14W 17–61 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=23.9km s-min=27.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.3km s-min=4.1km az=-1.0. Presumed earthquake.
ISC IX 25 10 21 19.1–2.1 14.89N–.08 94.38W–.04 11–14 21 1-3
MEX IX 25 10 21 25.4–.72 14.86N 94.37W 16–11 3.9 **¶625423988**
GCG IX 25 10 21 27.8–.41 15.13N 94.24W 35–159 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.9km s-min=4.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=59.5km s-min=93.2km az=-1.0. Presumed earthquake.
ISC X 16 14 16 55.4–1.9 13.79N–.07 92.03W–.04 9–10 60 1-6
MEX X 16 14 16 58.1–1.3 13.65N 92.21W 16–34 4.2 **¶625424761**
GCG X 16 14 16 59.5–.97 13.84N 91.94W 18–10 3.6
CATAC X 16 14 17 01.2–.75 14N–6.0 92W–4.0 38 3.8,3.8
ISC Event type se.
MEX Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 01 15 05 04.8–1.2 14.92N–.05 94.61W–.02 17–10 57 2-5
GCG X 01 15 05 15.8–.76 15.37N 94.69W 37–24 4.1 **¶625424186**
MEX X 01 15 05 16.2–.54 15.24N 94.64W 16–9 4.1
CATAC X 01 15 05 17.5–1.8 16N–7.0 95W–11 7–22 3.9,3.9
ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 07 18 49 40.2–2.7 13.8N–.10 92.29W–.07 15–12 23 1-4
MEX X 07 18 49 44.4–.63 13.85N 92.73W 10 4.0 **¶625424392**
GCG X 07 18 49 44.8–2.1 13.94N 91.80W 0–35 4.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.5km s-min=10.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=32.1km s-min=33.4km az=-1.0. Presumed earthquake.
GCG X 13 09 45 58.6–.51 13.71N 92.22W 0–12 3.6
¶626018762
GCG Event type se. Error ellipse: s-maj=19.5km s-min=16.1km az=-1.0. Presumed earthquake.
ISC X 30 12 48 30.9–3.7 13.6N–.10 93.39W–.05 15–26 29 2-5
MEX X 30 12 48 36.5–.59 13.81N 93.33W 6–45 4.0 **¶625425348**
GCG X 30 12 48 36.0–1.6 13.66N 93.29W 35–999 4.2
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=39.0km s-min=13.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=30.0km s-min=33.6km az=-1.0. Presumed earthquake.
ISC X 21 12 55 37.7–1.1 14.67N–.06 94.39W–.03 10 59 2-6
MEX X 21 12 55 44.4–.50 14.77N 94.36W 15 4.2 **¶625424948**
GCG X 21 12 56 00.5–.67 14.80N 93.00W 8–22 4.6
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.3km s-min=2.6km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=13.9km s-min=13.5km az=-1.0. Presumed earthquake.
ISC X 21 13 08 12.5–3.8 14.78N–.05 94.37W–.03 30–28 4.2b,3.6s 145 1-122
IDC X 21 13 08 07.7–2.3 14.67N 94.26W 0 3.9b,3.8L **¶621235421**
NEIC X 21 13 08 10.1–2.5 14.90N–.06 94.25W–.05 10–1 4.2,4.2b
MEX X 21 13 08 11.7–.80 14.82N 94.42W 15 4.2,4.2b
GCG X 21 13 08 37.6–1.1 14.96N 92.35W 25–7 5.0,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=21.8km az=169.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.8km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.5km s-min=2.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=14.0km s-min=58.0km az=-1.0. Presumed earthquake.
ISC X 29 05 58 28.7–1.8 13.88N–.05 92.89W–.04 3–10 3.9b,3.5s 65 1-146
IDC X 29 05 58 30.5–3.7 14.36N 92.32W 0 3.8b,3.7 **¶621391418**
MEX X 29 05 58 33.1–.68 13.94N 93.03W 16–147 3.9,3.7
GCG X 29 05 58 33.4–3.2 13.96N 92.79W 12–43 4.4,3.7
CATAC X 29 05 58 36.6–.74 14N–3.0 93W–5.0 6–5 3.9,3.9
ISC Event type se.
MEX Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 24 15 16 19.8–1.9 13.8N–.10 93.15W–.05 10 17 2-5
GCG XI 24 15 16 24.2–.55 13.93N 93.06W 54–132 3.9 **¶625427951**
MEX XI 24 15 16 26.3–.47 14.00N 93.24W 13–82 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=14.3km s-min=17.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=63.1km s-min=24.2km az=-1.0. Presumed earthquake.
ISC XI 02 08 32 53.4–3.3 13.9N–.10 92.27W–.09 6–15 19 1-4
MEX XI 02 08 32 58.0–.51 13.98N 92.22W 15–27 3.8 **¶625426144**
GCG XI 02 08 32 58.7–1.2 14.15N 91.95W 6–17 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=17.5km s-min=8.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=18.5km s-min=12.6km az=-1.0. Presumed earthquake.
ISC XI 16 21 36 35.2–2.2 13.92N–.09 92.41W–.06 10–11 25 1-5
GCG XI 16 21 36 40.2–.49 13.87N 92.23W 2–8 4.2 **¶625427613**
MEX XI 16 21 36 40.0–.71 13.91N 92.51W 15–109 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=7.2km s-min=9.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=97.2km s-min=17.0km az=-1.0. Presumed earthquake.
ISC XI 03 06 06 19.7–2.3 13.84N–.09 92.06W–.06 9–12 26 1-4
MEX XI 03 06 06 22.5–.48 13.74N 92.33W 14–161 4.1 **¶625426248**
GCG XI 03 06 06 23.9–1.8 13.88N 92.02W 26–20 4.2
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=136.7km s-min=28.1km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=28.0km s-min=27.2km az=-1.0. Presumed earthquake.
ISC XI 15 08 47 23.5–1.9 13.9N–.10 92.20W–.08 21–7 35 1-3
CATAC XI 15 08 47 23.8–.75 14N–5.0 92W–4.0 27–6 3.6,3.6 **¶626020760**
GCG XI 15 08 47 25.9–1.6 14.08N 92.08W 50–72 3.7,3.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=13.1km s-min=3.6km az=40.5. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=27.4km s-min=14.1km az=-1.0. Presumed earthquake.
ISC XI 21 11 01 44.9–1.7 14.68N–.06 94.02W–.03 6–13 60 2-6
GCG XI 21 11 01 52.3–.93 14.83N 93.92W 35–999 4.3 **¶625427842**
MEX XI 21 11 01 53.6–.72 14.85N 93.91W 18–42 4.3
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=11.0km s-min=13.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=-1.0. Presumed earthquake.
ISC XII 03 12 04 40.9–2.0 13.90N–.07 92.76W–.04 4–11 4.2b,3.3s 40 1-146
IDC XII 03 12 04 40.5–1.9 13.85N 92.73W 0 4.1b,3.8 **¶621630593**
MEX XII 03 12 04 44.4–.44 13.91N 92.85W 5 4.1,3.8
GCG XII 03 12 04 45.5–1.7 13.87N 92.69W 44–19 4.1,3.8
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=22.9km az=5.0.
MEX Event type se. Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=26.0km s-min=20.0km az=-1.0. Presumed earthquake.
ISC XII 02 23 14 01.8–1.9 13.7N–.10 93.10W–.04 35 24 2-6
GCG XII 02 23 14 01.6–1.1 13.72N 92.99W 17 3.7 **¶625428222**
MEX XII 02 23 14 04.3–.68 13.78N 93.08W 69–78 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=19.4km s-min=3.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=18.1km s-min=21.2km az=-1.0. Presumed earthquake.
ISC XI 29 03 32 13.8–1.6 13.98N–.05 92.69W–.04 11–9 4.2b,3.2s 130 1-146
IDC XI 29 03 32 11.1–1.5 13.71N 92.62W 0 3.9b,3.8 **¶621481010**
GCG XI 29 03 32 14.8–1.8 13.89N 92.73W 10–32 4.3,4.2L
NEIC XI 29 03 32 15.3–1.7 14.02N–.05 92.66W–.05 10–1 4.3,4.2b
MEX XI 29 03 32 20.1–1.1 14.15N 92.62W 62–30 4.3,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=16.8km az=36.0.
GCG Event type se. Error ellipse: s-maj=23.1km s-min=17.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.4km az=38.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=18.0km s-min=19.6km az=-1.0. Presumed earthquake.
ISC XII 10 07 06 07.7–3.3 13.9N–.10 92.30W–.07 4–18 26 1-4
GCG XII 10 07 06 05.1–1.8 13.64N 92.38W 0–293 3.8 **¶625428446**
MEX XII 10 07 06 08.6–.50 13.76N 92.46W 4–14 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=61.1km s-min=38.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.9km s-min=6.0km az=-1.0. Presumed earthquake.
ISC XII 07 20 24 54.2–2.2 13.88N–.05 92.38W–.03 2–14 73 1-51
IDC XII 07 20 24 56.1–2.8 13.96N 92.54W 0 3.6b,3.3 **¶621632696**
MEX XII 07 20 24 57.9–.58 13.93N 92.39W 90–23 4.2,3.3
GCG XII 07 20 24 58.0–.54 13.85N 92.37W 50–29 4.2L,3.9
CATAC XII 07 20 24 59.3–.76 14N–5.0 92W–4.0 18–6 3.8,3.8
ISC Event type se.
MEX Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 12 04 37 07.4–2.7 13.4N–.20 92.33W–.08 32 21 2-4
GCG XII 12 04 37 05.7–.97 13.50N 92.47W 36–999 3.8 **¶625428514**
MEX XII 12 04 37 06.6–.46 13.29N 92.40W 10 3.5
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=631.7km s-min=999.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.1km s-min=4.5km az=-1.0. Presumed earthquake.
ISC XII 11 05 17 22.8–2.4 13.99N–.09 92.33W–.06 1–12 25 1-5
MEX XII 11 05 17 23.3–.64 13.75N 92.59W 15 4.0 **¶625428472**
GCG XII 11 05 17 26.9–1.5 13.93N 92.22W 18–22 4.1
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.6km s-min=8.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=21.3km s-min=22.6km az=-1.0. Presumed earthquake.
ISC XII 25 14 36 04.3–1.2 13.97N–.05 92.13W–.03 46–14 110 0-6
CATAC XII 25 14 36 04.9 14N–3.0 92W–3.0 49–7 4.2,4.2 **¶625357145**
GCG XII 25 14 36 04.3–1.3 14.04N 92.01W 25–8 4.1L,4.0
MEX XII 25 14 36 06.4–.94 14.06N 92.07W 15–16 4.2,4.0
SNET XII 25 14 36 07.4 14N–2.0 92W–2.0 53–2 4.0,4.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
GCG Event type se. Presumed earthquake.

MEX Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC	**XII**	**18 02 42 27.8–2.7**	**13.9N–.10**	**93.19W–.08**	**9–14**			**20**	**2-4**
GCG	XII	18 02 42 37.7–1.6	14.06N	93.02W	37–23	3.4			¶625428755
MEX	XII	18 02 42 39.1–.57	14.15N	93.00W	8–26	4.0			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=28.0km s-min=24.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=18.2km s-min=11.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**20 03 58 38.9–2.4**	**13.77N–.05**	**92.63W–.04**	**1–14**	**4.4b**		**216**	**1-146**
GCG	XII	20 03 58 38.1–1.6	13.62N	92.61W	0–98	4.7			¶625356780
NEIC	XII	20 03 58 40.6–1.8	13.77N–.05	92.47W–.07	10–1	4.5b,4.4			
CATAC	XII	20 03 58 42.8–.62	14N–4.0	93W–3.0	29–8	4.4,4.2			
MEX	XII	20 03 58 43.1–.86	13.69N	92.73W	16–128	4.4,4.2			
IDC	XII	20 03 58 44.8–2.3	13.80N	92.52W	39–17	4.1,4.0b			
SNET	XII	20 03 58 59.3–3.9	14N–12	91W–25	13–12	4.0,4.0			

ISC Event type se.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XII**	**21 06 46 08.1–2.2**	**13.25N–.04**	**92.43W–.04**	**1–14**	**4.4b,3.8s**		**290**	**1-147**
NEIC	XII	21 06 46 10.0–1.3	13.30N–.04	92.31W–.05	10–1	4.4b,4.1			¶625356820
CATAC	XII	21 06 46 11.5–1.1	13N–4.0	92W–2.0	2–8	4.5,4.5			
GCG	XII	21 06 46 11.0–2.0	13.23N	92.35W	35–999	4.4,4.5			
IDC	XII	21 06 46 11.2–1.1	13.45N	92.30W	0	4.0b,3.9			
MEX	XII	21 06 46 13.0–.66	13.32N	92.55W	10	4.1,3.9			
SNET	XII	21 06 46 16.1–1.6	14N–7.0	92W–12	10	4.3,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XII**	**21 06 49 08.4–2.2**	**13.33N–.07**	**92.41W–.04**	**4–13**	**3.6b**		**47**	**1-63**
GCG	XII	21 06 49 10.2–2.6	13.36N	92.17W	0–16	4.3L,4.3			¶621685667
MEX	XII	21 06 49 10.9–.68	13.19N	92.51W	25–14	3.8,4.3			
IDC	XII	21 06 49 12.6–3.1	13.66N	92.38W	0	3.5b,3.5			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=20.0km s-min=24.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.4km s-min=5.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=50.5km s-min=16.5km az=162.0.

ISC	**XII**	**18 17 48 39.9–1.3**	**13.82N–.04**	**92.19W–.02**	**26–9**	**4.6b,3.6s**		**300**	**1-146**
GCG	XII	18 17 48 38.6–2.1	13.71N	92.23W	14–24	4.5,3.6s			¶621633596
CATAC	XII	18 17 48 38.0–.62	14N–3.0	92W–3.0	1	4.7,4.7			
MEX	XII	18 17 48 41.8–1.0	13.92N	92.25W	7–21	4.5,4.7			
NEIC	XII	18 17 48 43.0–1.8	14.00N–.05	92.08W–.05	35–1	4.5,4.5b			
IDC	XII	18 17 48 44.9–2.9	13.74N	92.03W	74–21	4.3,4.0b			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=12.6km s-min=9.2km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=8.7km s-min=4.2km az=47.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.40 $M_{\theta\theta}$-3.09 $M_{\phi\phi}$0.68 $M_{r\theta}$2.16 $M_{\theta\phi}$1.65 $M_{\phi r}$1.48 NP1:ϕ_s79.06680°,δ67.37120°,λ53.81211°. NP2:ϕ_s321.32512°,δ41.84491°,λ144.77775°. Principal axes: T 4.2464,Plg53.0183°,Azm305.1169°; N -0.1400,Plg33.0234°,Azm94.7875°; P -4.1064,Plg14.7556°,Azm194.6448° M_o4.17814×10^{15}
MEX Event type se. Error ellipse: s-maj=15.4km s-min=9.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.0km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.6km s-min=17.5km az=30.0.

ISC	**XII**	**21 02 21 14.8–2.5**	**13.71N–.06**	**92.65W–.04**	**23–18**	**4.4b,3.3s**		**136**	**1-146**
IDC	XII	21 02 21 11.9–2.1	13.63N	92.64W	0	4.0b,3.7			¶621685657
MEX	XII	21 02 21 14.2–.42	13.62N	92.71W	10	4.1,3.7			
GCG	XII	21 02 21 14.9–1.2	13.71N	92.60W	33–33	4.7,3.7			
CATAC	XII	21 02 21 16.4–.74	14N–4.0	93W–4.0	25–7	4.0,4.0			
NEIC	XII	21 02 21 21.4–1.5	14.16N–.09	92.40W–.10	35–2	4.4b,4.1			

ISC Event type se.
MEX Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**20 08 30 16.5–2.0**	**13.51N–.06**	**92.76W–.03**	**6–11**	**3.4b**		**95**	**1-63**
GCG	XII	20 08 30 19.1–1.9	13.44N	92.79W	35–40	4.3			¶621685600
MEX	XII	20 08 30 19.2–.81	13.44N	92.88W	10	4.2			
CATAC	XII	20 08 30 20.7–.73	14N–4.0	92W–4.0	1	3.8,3.8			
IDC	XII	20 08 30 21.1–2.7	13.79N	92.73W	0	3.4b,3.3			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=17.6km s-min=10.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=10.8km s-min=4.8km az=42.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=42.8km s-min=16.3km az=172.0.

(69) Near coast of Chiapas.

ISC	**VII**	**01 02 28 03.7–1.2**	**14.55N–.05**	**92.25W–.04**	**70–7**			**71**	**0-6**
MEX	VII	01 02 28 04.4–.45	14.62N	92.23W	85–5	4.2			¶624746206
CATAC	VII	01 02 28 05.1–.57	14N–5.0	92W–5.0	40–7	4.0,4.0			
GCG	VII	01 02 28 06.1–.96	14.57N	92.15W	54–11	4.2,4.0L			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.6km s-min=6.2km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=14.1km s-min=4.6km az=42.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=12.6km s-min=5.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**01 08 05 43.9–2.9**	**14.8N–.40**	**92.5W–.30**	**108–38**			**12**	**0-1**
MEX	VII	01 08 05 49.0–.50	14.77N	92.75W	67–36	3.6			¶624746222
GCG	VII	01 08 05 49.2–.34	15.22N	92.36W	73–10	3.0			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=23.2km s-min=20.6km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=23.9km s-min=8.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**01 15 31 04.9–2.0**	**14.67N–.07**	**93.62W–.04**	**7–12**			**27**	**1-4**
MEX	VII	01 15 31 11.8–.42	14.78N	93.54W	13–10	3.9			¶624746263
GCG	VII	01 15 31 13.7–1.0	14.88N	93.25W	25–19	4.2			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.3km s-min=6.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.7km s-min=10.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**02 12 59 43.3–1.1**	**14.39N–.07**	**93.25W–.03**	**10**			**48**	**1-145**
IDC	VII	02 12 59 41.1–5.2	14.64N	92.32W	0	3.6L,3.5b			¶620927750
MEX	VII	02 12 59 45.8–1.2	14.34N	93.25W	10–74	4.1,3.5b			
GCG	VII	02 12 59 46.7–1.2	14.37N	93.16W	35–40	4.6,3.5b			

ISC Event type se.
IDC Error ellipse: s-maj=436.0km s-min=73.0km az=46.0.
MEX Event type se. Error ellipse: s-maj=59.8km s-min=34.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=17.1km s-min=16.4km az=-1.0. Presumed earthquake.

ISC	**VII**	**03 18 29 35.8–1.4**	**14.68N–.06**	**92.91W–.05**	**66–16**			**34**	**1-6**
MEX	VII	03 18 29 38.7–.53	14.86N	92.79W	80–10	4.1			¶624746457
GCG	VII	03 18 29 40.0–1.4	14.92N	92.66W	15–12	3.8			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.4km s-min=6.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=13.8km s-min=13.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**03 18 54 19.1–2.2**	**14.30N–.08**	**92.88W–.04**	**8–12**			**38**	**1-7**
GCG	VII	03 18 54 21.8–1.9	14.10N	92.87W	35–56	4.1			¶624746459
MEX	VII	03 18 54 22.8–.61	14.19N	92.97W	16–86	4.2			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=43.4km s-min=39.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=25.9km s-min=18.5km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 20 14 32.9–1.4**	**15.00N–.06**	**93.40W–.04**	**90–14**			**33**	**1-4**
MEX	VII	05 20 14 36.3–.66	15.01N	93.47W	54–14	4.0			¶624746628
GCG	VII	05 20 14 38.4–1.1	15.13N	93.15W	71–20	3.6			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.4km s-min=5.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.6km s-min=15.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**06 06 41 09.6–1.3**	**14.63N–.07**	**92.59W–.05**	**58–10**			**88**	**0-7**
CATAC	VII	06 06 41 09.0–.58	15N–4.0	93W–3.0	38–5	4.6,4.6			¶625365412
MEX	VII	06 06 41 10.6–.69	14.63N	92.55W	64–11	4.5,4.6			
GCG	VII	06 06 41 10.1–1.4	14.70N	92.42W	63–12	4.7L,4.4			
SNET	VII	06 06 41 13.8	15N–6.0	92W–6.0	153–5	4.6L,4.4			

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VII**	**06 11 25 31.2–2.2**	**14.5N–.10**	**93.57W–.07**	**17–13**			**19**	**1-62**
IDC	VII	06 11 25 29.1–5.7	14.50N	93.68W	0	3.4b,3.3L			¶620928028
MEX	VII	06 11 25 31.9–1.3	14.46N	93.71W	7–214	4.3,3.3L			

ISC Event type se.
IDC Error ellipse: s-maj=101.5km s-min=24.2km az=158.0.
MEX Event type se. Error ellipse: s-maj=140.5km s-min=139.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**09 01 19 03.7–1.6**	**14.44N–.09**	**92.43W–.07**	**45–20**			**31**	**0-5**
GCG	VII	09 01 19 04.8–.88	14.50N	92.30W	51–10	3.7			¶624746945
MEX	VII	09 01 19 04.6–.87	14.49N	92.40W	63–16	3.9			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=8.8km s-min=8.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=12.1km s-min=9.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**09 07 25 40.4–2.4**	**14.60N–.08**	**93.87W–.05**	**3–14**			**23**	**1-4**
MEX	VII	09 07 25 48.3–.44	14.78N	93.83W	28–21	4.1			¶624746958
GCG	VII	09 07 25 48.5–1.9	14.74N	93.68W	35–82	4.1			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=3.6km s-min=4.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=32.1km s-min=46.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**09 08 49 11.7–2.6**	**14.14N–.09**	**93.03W–.06**	**13–12**			**24**	**1-4**
GCG	VII	09 08 49 14.6–.74	14.19N	92.92W	18–9	4.0			¶624746963
MEX	VII	09 08 49 14.6–.51	14.12N	93.14W	10	3.9			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=6.5km s-min=7.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.4km s-min=5.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**11 02 16 29.0–2.6**	**14.17N–.10**	**92.84W–.06**	**16–11**			**29**	**1-4**
MEX	VII	11 02 16 35.7–.64	14.56N	92.75W	81–15	3.8			¶624747094
GCG	VII	11 02 16 35.7–1.9	14.39N	92.72W	40–151	3.7			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=13.8km s-min=11.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=14.4km s-min=17.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**11 06 02 19.6–2.8**	**14.5N–.10**	**92.3W–.10**	**110–14**			**25**	**0-2**
MEX	VII	11 06 02 23.9–.67	14.76N	92.19W	103–5	3.8			¶624747108
GCG	VII	11 06 02 24.7–.96	14.77N	92.13W	86–6	3.4			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.1km s-min=7.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=6.5km s-min=7.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**12 00 07 05.6–2.0**	**14.90N–.08**	**92.45W–.08**	**118–11**			**27**	**0-3**
MEX	VII	12 00 07 10.1–.69	14.97N	92.55W	100–8	3.8			¶624747165
GCG	VII	12 00 07 11.8–2.4	15.15N	92.47W	76–24	3.8			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=12.0km s-min=9.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=13.2km s-min=18.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**12 04 00 49.3–2.6**	**14.34N–.09**	**93.08W–.07**	**16–12**			**23**	**1-3**
GCG	VII	12 04 00 53.1–1.1	14.62N	93.02W	28–999	3.9			¶624747178
MEX	VII	12 04 00 53.3–.56	14.71N	92.96W	108–57	3.9			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=31.1km s-min=918.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=50.9km s-min=37.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**12 05 13 11.0–.95**	**14.04N–.05**	**92.31W–.04**	**44–11**	**4.1b,3.5s**		**266**	**1-146**
CATAC	VII	12 05 13 10.0–.65	14N–4.0	92W–6.0	7–8	4.6b,4.6b			¶625365946
GCG	VII	12 05 13 09.1–1.4	13.90N	92.24W	16–8	4.3,4.1L			
NEIC	VII	12 05 13 10.8–1.3	14.02N–.06	92.19W–.07	39–9	4.1,4.1b			
MEX	VII	12 05 13 11.0–.87	14.07N	92.35W	77–32	4.1,4.1b			
GFZ	VII	12 05 13 12.1–1.2	14N–14	92W–7.0	51–9	4.1b,4.1			
IDC	VII	12 05 13 14.5–1.9	14.40N	92.13W	48–16	3.9,3.6b			
SNET	VII	12 05 13 16.3	14N–17	92W–17	35	4.6b,4.5			

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VII**	**12 05 15 33.5–2.0**	**14.14N–.09**	**92.10W–.07**	**26–13**			**42**	**1-4**
GCG	VII	12 05 15 30.9–1.8	13.90N	92.16W	16–14	4.0			¶624747183
CATAC	VII	12 05 15 32.1–.89	14N–5.0	92W–5.0	23–7	3.5,3.5			
MEX	VII	12 05 15 32.8–.73	14.32N	92.34W	103–21	3.8,3.5			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=19.3km s-min=12.0km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=15.6km s-min=4.2km az=44.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=21.6km s-min=11.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**12 06 27 54.5–1.9**	**14.50N–.07**	**93.09W–.05**	**19–3**			**38**	**1-4**
CATAC	VII	12 06 27 52.4–.65	14N–4.0	93W–4.0	1	3.5,3.5			¶624747192
GCG	VII	12 06 27 55.9–1.1	14.32N	93.05W	23–10	4.1,3.5			
MEX	VII	12 06 27 58.1–.75	14.52N	93.14W	15	4.0,3.5			

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.9km s-min=7.2km az=43.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=10.9km s-min=9.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.6km s-min=5.5km az=-1.0. Presumed earthquake.

ISC	**VII**	**13 08 29 04.2–.88**	**14.00N–.05**	**92.26W–.03**	**53–8**	**4.5b,3.6s**		**383**	**1-146**
GCG	VII	13 08 29 01.5–2.4	13.95N	92.23W	17–9	5.0,4.8L			¶620805506
CATAC	VII	13 08 29 03.9–.51	14N–4.0	92W–4.0	14–5	4.9b,4.9			
MEX	VII	13 08 29 04.1–.78	14.01N	92.31W	14–46	4.6,4.9			
NEIC	VII	13 08 29 05.3–2.6	14.20N–.04	92.14W–.06	46–7	4.6,4.6b			
GFZ	VII	13 08 29 08.0–.56	14N–5.0	92W–5.0	67–6	4.6,4.6b			
IDC	VII	13 08 29 10.8–2.7	14.37N	91.69W	97–22	4.2,3.8b			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=8.4km s-min=8.3km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.6km s-min=6.2km az=53.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.61 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$-0.86 $M_{r\theta}$1.71 $M_{\theta\phi}$2.28 $M_{\phi r}$-0.28 NP1:ϕ_s110.99514°,δ60.86230°,λ67.54137°. NP2:ϕ_s331.32511°,δ36.17620°,λ124.42231°. Principal axes: T 3.2722,Plg66.2168°,Azm338.9413°; N 0.7047,Plg19.4919°,Azm122.3752°; P -3.9769,Plg13.0901°,Azm217.0962° M_o3.67554×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.21 $M_{\theta\theta}$1.42 $M_{\phi\phi}$-1.63 $M_{r\theta}$-2.94 $M_{\theta\phi}$4.16 $M_{\phi r}$1.67 NP1:ϕ_s100.70295°,δ86.54017°,λ-35.05207°. NP2:ϕ_s193.12731°,δ55.02116°,λ-175.77617°. Principal axes: T 4.8918,Plg21.2657°,Azm152.3025°; N 1.1736,Plg54.7994°,Azm275.7865°; P -6.0654,Plg26.6179°,Azm51.0551° M_o5.57204×10^{15}

MEX Event type se. Error ellipse: s-maj=27.7km s-min=20.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.6km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=14.1km s-min=7.0km az=42.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=24.9km s-min=12.9km az=57.0.

ISC	**VII**	**14 02 42 30.3–2.8**	**14.33N–.10**	**92.81W–.10**	**23–19**		**22**	**1-2**	
MEX	VII	14 02 42 35.7–.57	14.44N	92.80W	22–43	3.7			**¶624747340**
GCG	VII	14 02 42 38.3–.57	14.78N	92.40W	57–22	3.6			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.1km s-min=8.1km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=17.7km s-min=20.4km az=-1.0. Presumed earthquake.

ISC	**VII**	**14 07 09 15.6–3.1**	**14.2N–.10**	**92.8W–.10**	**32–15**		**20**	**1-3**	
MEX	VII	14 07 09 16.0–1.1	14.09N	92.95W	27–18	3.8			**¶624747350**
GCG	VII	14 07 09 17.8–1.1	14.30N	92.73W	52–42	3.6			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.9km s-min=6.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=10.7km s-min=10.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**14 10 38 00.6–2.1**	**14.5N–.10**	**92.5W–.10**	**77–12**		**27**	**0-2**	
MEX	VII	14 10 38 03.8–.56	14.72N	92.42W	83–7	3.8			**¶624747358**
GCG	VII	14 10 38 04.5–1.1	14.68N	92.38W	60–9	3.1			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.0km s-min=7.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=10.6km s-min=9.8km az=-1.0. Presumed earthquake.

ISC	**VII**	**14 10 47 51.3–3.0**	**14.8N–.10**	**93.3W–.10**	**14–11**		**18**	**1-2**	
MEX	VII	14 10 47 53.7–.57	14.81N	93.37W	45–52	3.8			**¶624747359**
GCG	VII	14 10 47 54.1–1.4	14.86N	93.22W	34–56	3.7			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=16.4km s-min=10.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=26.3km s-min=36.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**15 11 51 45.0–2.6**	**14.95N–.10**	**92.82W–.09**	**74–17**		**18**	**1-2**	
GCG	VII	15 11 51 45.8–1.5	15.02N	92.75W	72–25	3.6			**¶624747418**
MEX	VII	15 11 51 46.1–.76	14.98N	92.81W	82–10	4.0			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=9.2km s-min=15.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=10.7km s-min=8.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**20 16 39 34.2–2.4**	**14.66N–.07**	**93.33W–.03**	**24–21**		**38**	**1-6**	
MEX	VII	20 16 39 35.6–1.0	14.63N	93.38W	11–16	4.1			**¶624747763**
GCG	VII	20 16 39 37.5–1.2	15.15N	93.01W	70–23	4.1			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.5km s-min=9.6km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=44.4km s-min=19.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**20 21 17 41.9–1.8**	**14.58N–.07**	**93.24W–.04**	**28–14**		**25**	**1-5**	
MEX	VII	20 21 17 45.6–.79	14.59N	93.27W	30–21	4.0			**¶624747771**
GCG	VII	20 21 17 47.7–1.7	14.69N	92.98W	36–999	4.2			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.8km s-min=6.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=28.3km s-min=42.4km az=-1.0. Presumed earthquake.

ISC	**VII**	**21 12 16 30.8–1.3**	**14.42N–.04**	**92.78W–.03**	**10–8**	**4.1b**	**190**	**1-145**	
GCG	VII	21 12 16 32.9–1.2	14.26N	92.69W	31–9	4.4			**¶620961655**
MEX	VII	21 12 16 32.8–.69	14.23N	92.80W	14–20	4.5			
NEIC	VII	21 12 16 35.8–1.5	14.46N–.05	92.74W–.04	35–2	4.5,4.1b			
IDC	VII	21 12 16 46.1–2.9	15.02N	92.09W	136–26	3.8,3.4b			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=8.7km s-min=9.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=13.6km s-min=8.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.2km az=186.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=17.8km az=50.0.

ISC	**VII**	**22 22 07 19.0–2.5**	**14.2N–.20**	**92.01W–.09**	**21–6**		**15**	**0-2**	
GCG	VII	22 22 07 20.0–.38	14.44N	91.74W	69–5	3.7			**¶624747886**
MEX	VII	22 22 07 20.0–.55	14.12N	92.03W	12–54	3.6			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=6.8km s-min=3.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=46.3km s-min=16.7km az=-1.0. Presumed earthquake.

ISC	**VII**	**24 23 16 07.8–2.0**	**14.65N–.08**	**92.90W–.07**	**14–11**		**21**	**1-3**	
MEX	VII	24 23 16 12.4–.70	14.74N	92.99W	9–10	3.8			**¶624748025**
GCG	VII	24 23 16 14.2–.70	14.85N	92.70W	65–12	3.8			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.2km s-min=5.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=8.7km s-min=9.8km az=-1.0. Presumed earthquake.

ISC	**VII**	**26 04 27 03.0–2.3**	**14.2N–.10**	**92.94W–.07**	**16–12**		**23**	**1-3**	
MEX	VII	26 04 27 07.2–.63	14.33N	93.00W	5	3.8			**¶624748112**
GCG	VII	26 04 27 07.1–1.9	14.26N	92.95W	36–24	3.9			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.6km s-min=5.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=19.5km s-min=18.5km az=-1.0. Presumed earthquake.

ISC	**VII**	**27 07 08 49.5–1.3**	**14.43N–.06**	**92.35W–.04**	**65–11**		**43**	**0-7**	
GCG	VII	27 07 08 53.3–1.2	14.57N	92.21W	50–13	4.1			**¶624748173**
MEX	VII	27 07 08 53.1–.97	14.52N	92.38W	60–8	4.0			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=11.5km s-min=7.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.9km s-min=5.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**27 10 37 11.9–2.2**	**14.38N–.09**	**93.09W–.07**	**25–16**		**27**	**1-4**	
MEX	VII	27 10 37 15.4–.44	14.47N	93.07W	8–5	4.0			**¶624748181**
GCG	VII	27 10 37 16.8–1.1	14.44N	92.87W	33–11	3.8			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=3.7km s-min=3.3km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=14.4km s-min=15.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**30 05 38 34.7–1.6**	**14.42N–.08**	**92.48W–.05**	**100–11**		**33**	**1-5**	
MEX	VII	30 05 38 41.3–.57	14.70N	92.49W	83–4	4.0			**¶624748317**
GCG	VII	30 05 38 42.2–1.3	14.81N	92.29W	71–8	4.1			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.3km s-min=5.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=7.9km s-min=8.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**29 08 33 27.8–2.5**	**14.3N–.10**	**92.7W–.10**	**69–22**		**22**	**1-2**	
GCG	VII	29 08 33 33.8–.31	14.82N	92.36W	74–4	3.2			**¶624748276**
MEX	VII	29 08 33 33.4–.90	14.46N	92.67W	28–14	3.8			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=16.2km s-min=8.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.1km s-min=4.8km az=-1.0. Presumed earthquake.

ISC	**VIII**	**01 12 08 50.2–1.7**	**14.88N–.09**	**92.99W–.08**	**100–13**		**30**	**1-4**	
MEX	VIII	01 12 08 54.8–.36	15.04N	92.96W	82–5	3.9			**¶624839917**
GCG	VIII	01 12 08 57.0–1.1	15.08N	92.77W	67–11	4.0			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.5km s-min=4.3km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=10.0km s-min=12.0km az=-1.0. Presumed earthquake.

ISC	**VIII**	**02 19 20 24.1–1.3**	**15.22N–.05**	**93.42W–.04**	**96–11**		**48**	**1-5**	
MEX	VIII	02 19 20 27.2–.81	15.34N	93.42W	87–6	4.2			**¶624840015**
GCG	VIII	02 19 20 28.0–1.6	15.39N	93.28W	67–26	4.2			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.9km s-min=5.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=7.0km s-min=12.2km az=-1.0. Presumed earthquake.

ISC	**VIII**	**01 20 36 32.9–1.6**	**14.08N–.07**	**92.07W–.04**	**35–6**		**79**	**1-8**	
CATAC	VIII	01 20 36 32.5–1.9	14N–11	92W–10	27–11	3.9,3.9			**¶625367624**
GCG	VIII	01 20 36 34.5–1.7	14.23N	91.87W	55–29	4.2,3.9			
MEX	VIII	01 20 36 34.5–1.1	14.15N	92.04W	59–17	4.2,3.9			
SNET	VIII	01 20 36 35.6	14N–8.0	92W–8.0	44–11	4.1,4.0			

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VIII**	**09 04 00 47.0–1.2**	**14.65N–.05**	**92.52W–.04**	**88–7**		**66**	**0-6**	
GCG	VIII	09 04 00 49.3–1.4	14.74N	92.42W	73–11	4.3			**¶624840409**
MEX	VIII	09 04 00 49.1–.64	14.73N	92.45W	93–7	3.9			
CATAC	VIII	09 04 00 49.0–.54	15N–5.0	92W–4.0	65–4	3.6,3.6			

ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VIII**	**07 09 13 13.2–1.9**	**14.99N–.07**	**92.70W–.06**	**120–10**		**28**	**0-4**	
MEX	VIII	07 09 13 18.3–.69	15.13N	92.65W	99–6	3.9			**¶624840321**
GCG	VIII	07 09 13 19.3–.90	15.16N	92.47W	86–11	3.9			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.5km s-min=7.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=4.5km s-min=7.0km az=-1.0. Presumed earthquake.

ISC	**VIII**	**10 00 30 07.0–2.1**	**14.26N–.06**	**92.79W–.03**	**33–9**		**54**	**1-7**	
GCG	VIII	10 00 30 09.9–1.6	14.32N	92.69W	33–7	4.2			**¶624840446**
MEX	VIII	10 00 30 10.0–.84	14.30N	92.81W	15–271	4.1			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=6.4km s-min=6.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.8km s-min=7.6km az=-1.0. Presumed earthquake.

ISC	**VIII**	**09 02 31 53.9–2.0**	**14.4N–.10**	**92.79W–.09**	**61–25**		**22**	**1-4**	
MEX	VIII	09 02 31 58.6–.56	14.77N	92.64W	80–8	3.9			**¶624840405**
GCG	VIII	09 02 31 59.3–.97	14.61N	92.58W	51–18	4.2			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.1km s-min=7.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=20.1km s-min=20.0km az=-1.0. Presumed earthquake.

ISC	**VIII**	**10 10 29 54.0–1.3**	**15.14N–.05**	**93.29W–.04**	**82–12**		**45**	**1-5**	
MEX	VIII	10 10 29 57.0–.51	15.18N	93.30W	70–6	4.1			**¶624840480**
GCG	VIII	10 10 29 57.8–1.6	15.30N	93.11W	56–32	4.6			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.5km s-min=6.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.3km s-min=15.7km az=-1.0. Presumed earthquake.

ISC	**VIII**	**09 19 35 06.6–.82**	**15.22N–.04**	**93.30W–.03**	**71–7**	**4.3b**	**173**	**0-144**	
GCG	VIII	09 19 35 07.8–.96	15.26N	93.24W	44–123	4.6			**¶621007281**
NEIC	VIII	09 19 35 07.4–1.5	15.28N–.05	93.21W–.03	73–5	4.4,4.4b			
CATAC	VIII	09 19 35 07.1–.67	15N–3.0	93W–4.0	50–7	4.2,4.2			
MEX	VIII	09 19 35 07.8–.63	15.20N	93.29W	72–9	4.4,4.2			
IDC	VIII	09 19 35 11.6–8.6	15.48N	92.89W	105–57	3.8,3.4b			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=7.3km s-min=12.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.5km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=11.1km s-min=4.2km az=56.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=6.6km s-min=6.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=79.7km s-min=33.7km az=3.0.

ISC	**VIII**	**10 03 02 49.5–1.8**	**15.09N–.09**	**93.39W–.08**	**66–21**		**21**	**1-3**	
MEX	VIII	10 03 02 51.9–.36	15.13N	93.34W	67–5	3.6			**¶624840458**
GCG	VIII	10 03 02 56.6–1.8	15.57N	92.68W	62–46	3.9			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.6km s-min=4.3km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=26.6km s-min=39.3km az=-1.0. Presumed earthquake.

ISC	**VIII**	**11 01 27 43.4–2.2**	**14.19N–.08**	**92.98W–.04**	**32–17**		**31**	**1-6**	
MEX	VIII	11 01 27 47.9–.50	14.48N	92.99W	73–13	3.8			**¶624840522**
GCG	VIII	11 01 27 49.2–1.1	14.37N	92.80W	32–8	4.3			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=8.6km s-min=10.2km az=-1.0. Presumed earthquake.

ISC	**VIII**	**10 22 04 13.5–3.3**	**14.3N–.10**	**93.2W–.10**	**32–20**		**18**	**1-3**	
GCG	VIII	10 22 04 17.3–1.3	14.17N	93.08W	35–999	4.1			**¶624840512**
MEX	VIII	10 22 04 19.3–.40	14.53N	93.12W	74–38	3.9			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=33.4km s-min=39.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=20.4km s-min=12.0km az=-1.0. Presumed earthquake.

ISC	**VIII**	**14 03 21 40.9–1.7**	**14.56N–.08**	**92.90W–.05**	**31–14**		**25**	**1-4**	
MEX	VIII	14 03 21 45.2–.78	14.72N	92.91W	42–26	3.8			**¶624840678**
GCG	VIII	14 03 21 46.8–1.1	14.87N	92.65W	51–15	3.9			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.3km s-min=7.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=12.1km s-min=13.5km az=-1.0. Presumed earthquake.

ISC	**VIII**	**13 21 18 09.2–1.7**	**15.05N–.07**	**93.02W–.06**	**65–15**		**24**	**1-4**	
GCG	VIII	13 21 18 09.3–1.9	15.01N	92.99W	50–12	4.2			**¶624840663**
MEX	VIII	13 21 18 10.1–.95	15.05N	93.01W	75–8	3.8			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=19.8km s-min=21.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.7km s-min=6.4km az=-1.0. Presumed earthquake.

ISC	**VIII**	**13 19 05 39.3–1.4**	**14.81N–.05**	**92.45W–.04**	**113–7**		**60**	**0-7**	
MEX	VIII	13 19 05 42.7–.84	14.93N	92.37W	106–8	4.0			**¶624840657**
CATAC	VIII	13 19 05 43.4–.60	15N–4.0	92W–4.0	82–4	5.3b,4.7			
GCG	VIII	13 19 05 43.0–1.1	14.97N	92.31W	91–6	4.0L,4.0			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=11.4km s-min=12.3km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=11.4km s-min=5.0km az=42.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=6.2km s-min=7.8km az=-1.0. Presumed earthquake.

ISC	**VIII**	**13 19 08 25.6–1.5**	**14.99N–.06**	**92.96W–.05**	**96–11**		**34**	**1-4**	
MEX	VIII	13 19 08 28.9–.80	15.06N	92.98W	82–9	4.0			**¶624840658**
GCG	VIII	13 19 08 31.2–1.0	15.32N	92.70W	55–14	4.1L,4.0			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=11.1km s-min=8.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=13.0km s-min=14.8km az=-1.0. Presumed earthquake.

ISC	**VIII**	**20 01 26 32.2–.61**	**14.73N–.04**	**92.40W–.03**	**82–5**	**4.2b**	**329**	**0-145**	
CATAC	VIII	20 01 26 28.9–.80	14N–5.0	93W–4.0	28–4	5.0,5.0			**¶625369186**
NEIC	VIII	20 01 26 33.4–2.3	14.81N–.07	92.37W–.05	73–4	4.7,4.2b			
GCG	VIII	20 01 26 33.0–1.5	14.77N	92.33W	68–7	4.9L,4.9			
MEX	VIII	20 01 26 33.3–.76	14.74N	92.41W	78–5	4.7,4.9			
GFZ	VIII	20 01 26 34.0–.30	15N–6.0	92W–4.0	100–4	4.4b,4.4			
IDC	VIII	20 01 26 36.9–1.7	15.02N	91.85W	115–13	4.1,3.6b			
SNET	VIII	20 01 26 40.9–1.2	15N–6.0	92W–9.0	10	4.7,4.7			

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**VIII**	**14 07 52 48.3–3.2**	**14.23N–.09**	**92.99W–.06**	**23–22**		**26**	**1-4**	
MEX	VIII	14 07 52 53.0–.47	14.56N	92.85W	97–15	3.9			**¶624840691**
GCG	VIII	14 07 52 54.2–1.2	14.39N	92.80W	33–9	3.8			

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=11.6km s-min=9.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=10.6km s-min=11.3km az=-1.0. Presumed earthquake.

ISC	**VIII**	**16 08 19 11.5–1.5**	**15.25N–.06**	**93.29W–.06**	**85–11**		**39**	**0-3**	
CATAC	VIII	16 08 19 13.8–.54	15N–4.0	93W–4.0	54–7	2.6,2.6			**¶624840841**
MEX	VIII	16 08 19 13.3–.41	15.20N	93.37W	73–10	3.8,2.6			
GCG	VIII	16 08 19 14.7–1.2	15.35N	93.13W	50–79	4.0,2.6			

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.5km s-min=4.6km az=46.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=10.8km s-min=8.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=15.7km s-min=19.1km az=-1.0. Presumed earthquake.

ISC	**VIII**	**16 08 53 35.1–3.3**	**14.39N–.06**	**93.77W–.03**	**6–22**	**4.2s,3.7b**	**103**	**1-99**	
GCG	VIII	16 08 53 36.2–1.5	14.32N	93.68W	13–41	4.8,3.7b			**¶621030152**
CATAC	VIII	16 08 53 36.1–.78	14N–3.0	94W–4.0	14–5	4.2,4.2			
MEX	VIII	16 08 53 37.0–.52	14.31N	93.75W	10–21	4.1,4.2			
IDC	VIII	16 08 53 37.1–1.1	14.70N	93.61W	0	4.2s,3.8b			

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=10.8km s-min=12.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.9km s-min=4.0km az=47.1. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=13.8km s-min=11.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=18.4km s-min=9.1km az=30.0.
ISC VIII 14 04 33 09.2–1.4 15.01N–.06 93.07W–.04 72–14 33 1-6
GCG VIII 14 04 33 11.8–1.6 15.10N 92.90W 65–18 4.1 **¶624840681**
MEX VIII 14 04 33 11.7–.92 15.03N 93.03W 68–11 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=15.4km s-min=17.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.1km s-min=7.5km az=-1.0. Presumed earthquake.
ISC VIII 17 22 06 49.0–1.6 14.98N–.09 92.95W–.07 54–31 15 1-6
MEX VIII 17 22 06 49.7–.46 15.01N 93.12W 74–12 3.9 **¶624840956**
GCG VIII 17 22 06 51.1–.45 15.43N 92.70W 63–24 3.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=11.4km s-min=10.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=15.1km s-min=20.3km az=-1.0. Presumed earthquake.
ISC VIII 21 16 05 31.9–1.6 14.99N–.06 92.41W–.05 135–9 44 0-7
MEX VIII 21 16 05 34.8–.74 15.04N 92.40W 129–4 4.2 **¶624841147**
GCG VIII 21 16 05 35.1–1.5 15.14N 92.35W 109–22 4.3
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.8km s-min=5.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=10.3km s-min=14.4km az=-1.0. Presumed earthquake.
ISC VIII 20 02 40 12.8–1.5 14.82N–.09 92.36W–.07 79–8 24 0-4
GCG VIII 20 02 40 13.9–1.2 14.94N 92.29W 71–8 3.6 **¶624841060**
MEX VIII 20 02 40 13.3–.77 14.79N 92.38W 86–6 3.8
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=39.1km s-min=14.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.5km s-min=8.0km az=-1.0. Presumed earthquake.
ISC VIII 22 04 31 30.7–2.2 14.29N–.09 92.60W–.06 26–15 29 1-5
MEX VIII 22 04 31 33.3–.45 14.44N 92.43W 77–6 3.8 **¶624841181**
GCG VIII 22 04 31 35.1–1.5 14.40N 92.37W 29–9 4.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.3km s-min=9.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=14.2km s-min=12.9km az=-1.0. Presumed earthquake.
ISC VIII 22 20 30 28.2–3.0 14.2N–.10 92.21W–.08 28–20 20 1-2
GCG VIII 22 20 30 30.4–2.3 14.21N 92.11W 32–16 3.8 **¶624841240**
MEX VIII 22 20 30 31.4–.56 14.29N 92.22W 50–24 3.6
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=22.9km s-min=24.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=12.4km s-min=10.1km az=-1.0. Presumed earthquake.
ISC VIII 22 07 46 35.3–1.6 14.75N–.07 92.93W–.05 74–14 28 1-5
MEX VIII 22 07 46 38.6–.77 14.84N 92.93W 63–11 3.8 **¶624841197**
GCG VIII 22 07 46 40.2–1.1 14.90N 92.71W 55–16 4.2
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.0km s-min=8.1km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.5km s-min=17.2km az=-1.0. Presumed earthquake.
ISC VIII 30 00 52 35.0–1.4 15.33N–.05 93.52W–.04 91–13 35 0-5
GCG VIII 30 00 52 37.6–1.2 15.40N 93.52W 44–189 4.2 **¶624841618**
MEX VIII 30 00 52 37.3–.57 15.42N 93.55W 85–6 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=18.8km s-min=38.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.6km s-min=7.3km az=-1.0. Presumed earthquake.
ISC VIII 28 05 23 43.7–2.0 14.38N–.08 92.61W–.05 27–14 26 1-5
MEX VIII 28 05 23 45.5–.70 14.31N 92.63W 15–85 3.8 **¶624841528**
GCG VIII 28 05 23 47.4–.61 14.74N 92.44W 39–109 3.8
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=74.5km s-min=15.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=31.1km s-min=14.7km az=-1.0. Presumed earthquake.
ISC VIII 27 14 16 17.9–2.6 14.20N–.06 92.29W–.05 10–15 46 1-5
CATAC VIII 27 14 16 19.3–.80 14N–4.0 92W–4.0 22–4 3.8,3.8 **¶624841496**
GCG VIII 27 14 16 21.7–1.4 14.32N 92.18W 40–47 4.0,3.8
MEX VIII 27 14 16 21.7–.52 14.37N 92.04W 71–10 4.1,3.8
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.6km s-min=4.4km az=40.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=16.1km s-min=9.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=10.4km s-min=11.2km az=-1.0. Presumed earthquake.
ISC VIII 28 16 26 44.8–1.9 14.10N–.07 92.27W–.05 20–6 36 1-5
MEX VIII 28 16 26 48.5–.97 14.22N 92.20W 68–17 3.9 **¶624841550**
GCG VIII 28 16 26 48.5–1.1 14.14N 92.16W 25–9 3.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=11.4km s-min=14.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.7km s-min=9.5km az=-1.0. Presumed earthquake.
ISC VIII 31 03 18 19.5–1.8 14.67N–.08 92.13W–.06 88–9 30 0-4
GCG VIII 31 03 18 21.4–.95 14.81N 92.06W 78–5 3.8,3.4L **¶624841673**
MEX VIII 31 03 18 21.8–.38 14.73N 92.16W 89–2 3.9,3.4L
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=12.5km s-min=6.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.9km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VIII 30 02 53 59.4–1.8 14.02N–.07 93.18W–.04 14–10 3.6b 38 1-85
IDC VIII 30 02 53 59.0–2.4 14.09N 93.17W 0 3.5b,3.4 **¶621076482**
MEX VIII 30 02 54 03.4–.85 14.11N 93.33W 12–63 4.1,3.4
GCG VIII 30 02 54 03.4–1.1 14.01N 93.18W 35–999 4.4,3.4
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=23.5km az=4.0.
MEX Event type se. Error ellipse: s-maj=47.0km s-min=27.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=27.2km s-min=26.7km az=-1.0. Presumed earthquake.
ISC VIII 29 22 56 08.4–2.5 14.06N–.06 93.27W–.04 9–15 4.2b,3.2s 66 1-146
IDC VIII 29 22 56 07.6–1.2 14.02N 93.24W 0 3.9b,3.8 **¶621073208**
NEIC VIII 29 22 56 10.7–1.6 14.14N–.07 93.15W–.03 10–2 4.2b,3.8
GCG VIII 29 22 56 11.9–1.6 14.03N 93.22W 50–24 4.8,3.8
MEX VIII 29 22 56 11.9–.99 14.13N 93.36W 15 4.0,3.8
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=17.4km az=60.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=3.0km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=26.3km s-min=27.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.6km s-min=8.2km az=-1.0. Presumed earthquake.
ISC VIII 31 14 31 04.8–1.7 14.48N–.07 93.27W–.05 31–14 28 1-4
GCG VIII 31 14 31 11.0–.66 14.80N 93.05W 18–4 3.6 **¶624841734**
MEX VIII 31 14 31 12.7–.36 14.89N 93.18W 56–14 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=4.6km s-min=4.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.1km s-min=5.0km az=-1.0. Presumed earthquake.
ISC VIII 31 02 16 45.2–2.1 14.70N–.10 92.33W–.08 101–12 20 0-3
GCG VIII 31 02 16 48.2–.38 15.33N 90.93W 50–84 3.5 **¶624841671**
MEX VIII 31 02 16 48.5–.51 14.78N 92.40W 93–5 3.7
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=7.7km s-min=18.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.5km s-min=6.2km az=-1.0. Presumed earthquake.
ISC IX 02 04 08 02.4–1.3 14.37N–.06 92.31W–.04 60–12 54 1-6
GCG IX 02 04 08 05.6–1.2 14.57N 92.17W 55–10 4.1L,4.1 **¶625423223**
MEX IX 02 04 08 05.7–.62 14.50N 92.29W 64–11 3.8,4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=12.0km s-min=8.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.2km s-min=7.4km az=-1.0. Presumed earthquake.
ISC IX 01 01 53 00.4–1.5 14.57N–.07 92.76W–.05 74–14 29 1-5
MEX IX 01 01 53 04.6–.60 14.73N 92.77W 64–16 3.8 **¶625423193**
GCG IX 01 01 53 06.7–.77 14.83N 92.48W 55–11 3.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.9km s-min=8.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=13.2km s-min=19.7km az=-1.0. Presumed earthquake.
ISC IX 01 03 19 46.0–1.8 14.99N–.08 93.14W–.06 107–15 24 1-4
MEX IX 01 03 19 50.1–.64 15.13N 93.09W 94–7 3.7 **¶625423195**
GCG IX 01 03 19 51.2–.33 15.19N 92.94W 87–7 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.0km s-min=6.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=3.1km s-min=4.8km az=-1.0. Presumed earthquake.
ISC IX 02 14 41 32.6–1.3 15.14N–.06 93.30W–.04 67–15 36 1-5
MEX IX 02 14 41 34.0–.38 15.17N 93.29W 74–10 3.9 **¶625423231**
GCG IX 02 14 41 35.9–.91 15.21N 93.03W 68–47 4.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.8km s-min=7.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.2km s-min=14.1km az=-1.0. Presumed earthquake.
ISC IX 03 01 23 17.5–1.3 14.53N–.05 92.71W–.04 65–10 62 1-7
CATAC IX 03 01 23 19.9–.61 15N–5.0 93W–5.0 41–8 3.8,3.8 **¶625423271**
GCG IX 03 01 23 20.7–1.2 14.63N 92.51W 59–9 4.3L,4.2
MEX IX 03 01 23 20.2–.56 14.70N 92.56W 79–7 4.0,4.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=13.3km s-min=4.9km az=43.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=11.2km s-min=9.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=-1.0. Presumed earthquake.
MEX IX 03 18 50 14.8–1.0 14.83N 93.45W 16–15 3.7
GCG IX 03 18 50 16.6–.31 15.73N 90.53W 13–5 3.6 **¶625692384**
MEX Event type se. Error ellipse: s-maj=11.9km s-min=8.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=2.1km s-min=7.5km az=-1.0. Presumed earthquake.
ISC IX 12 07 28 01.4–1.7 14.56N–.07 93.09W–.03 26–15 33 1-5
GCG IX 12 07 28 05.1–.77 14.82N 92.94W 27 3.5 **¶625423588**
MEX IX 12 07 28 05.2–.72 14.63N 93.13W 21–18 3.8
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=11.9km s-min=3.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.8km s-min=4.0km az=-1.0. Presumed earthquake.
ISC IX 06 13 54 48.9–1.3 14.84N–.08 93.10W–.05 35 26 1-5
MEX IX 06 13 54 52.7–.81 15.16N 93.18W 103–8 4.0 **¶625423370**
GCG IX 06 13 54 53.0–1.4 15.31N 92.77W 16–14 3.8
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.0km s-min=8.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.3km s-min=15.4km az=-1.0. Presumed earthquake.
ISC IX 11 10 27 37.3–1.3 14.85N–.05 93.41W–.03 32–13 39 1-7
GCG IX 11 10 27 40.4–1.4 14.85N 93.39W 38–674 4.3 **¶625423539**
MEX IX 11 10 27 41.1–.60 14.85N 93.44W 29–17 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=32.0km s-min=43.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.1km s-min=6.6km az=-1.0. Presumed earthquake.
ISC IX 12 04 51 42.3–2.1 14.2N–.20 92.15W–.10 48–36 21 1-4
MEX IX 12 04 51 44.1–.60 14.25N 92.25W 3–18 3.8 **¶625423586**
GCG IX 12 04 51 46.8–1.4 14.32N 92.04W 44–23 3.6
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=13.8km s-min=11.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=14.1km s-min=10.4km az=-1.0. Presumed earthquake.
ISC IX 07 05 44 19.5–1.3 15.83N–.05 93.73W–.03 90–13 56 1-7
GCG IX 07 05 44 20.1–2.8 15.81N 93.75W 76–81 4.6 **¶625423405**
MEX IX 07 05 44 21.4–.83 15.81N 93.76W 85–10 4.2
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=19.4km s-min=13.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=-1.0. Presumed earthquake.
ISC IX 12 09 32 28.3–1.5 14.28N–.05 93.88W–.03 14–10 4.6b,3.9s 369 2-145
IDC IX 12 09 32 27.1–.71 14.35N 93.57W 0 4.4b,4.3 **¶625371630**
CATAC IX 12 09 32 28.3–.68 14N–3.0 94W–4.0 1 4.6,4.6
NEIC IX 12 09 32 30.4–1.2 14.54N–.05 93.71W–.04 10–1 4.6b,4.4
MEX IX 12 09 32 31.6–.96 14.36N 93.83W 16–18 4.4,4.4
GFZ IX 12 09 32 33.1–.38 15N–5.0 94W–5.0 10 5.2b,5.0L
GCG IX 12 09 32 40.5–1.4 14.62N 93.09W 36–555 5.0,5.0L
SNET IX 12 09 32 58.4–2.2 14N–13 92W–18 10 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.88 $M_{\theta\theta}$-4.70 $M_{\phi\phi}$-1.18 $M_{r\theta}$1.95 $M_{\theta\phi}$3.37 $M_{\phi r}$-2.55 NP1:ϕ_s131.76077°,δ58.62109°,λ102.04436°. NP2:ϕ_s289.47838°,δ33.38952°,λ71.11225°. Principal axes: T 6.7707,Plg73.4527°,Azm72.9640°; N 0.6463,Plg10.2620°,Azm305.4213°; P -7.4170,Plg12.8389°,Azm213.0565° $M_0$7.11590×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.87 $M_{\theta\theta}$-4.63 $M_{\phi\phi}$-1.25 $M_{r\theta}$2.40 $M_{\theta\phi}$3.20 $M_{\phi r}$-3.04 NP1:ϕ_s132.44281°,δ61.15631°,λ101.97061°. NP2:ϕ_s288.71770°,δ31.03073°,λ69.36379°. Principal axes: T 7.1241,Plg71.2691°,Azm69.6179°; N 0.4286,Plg10.4675°,Azm306.6027°; P -7.5527,Plg15.3545°,Azm213.6948° $M_0$7.34782×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.86 $M_{\theta\theta}$-4.69 $M_{\phi\phi}$-1.16 $M_{r\theta}$1.96 $M_{\theta\phi}$3.37 $M_{\phi r}$-2.54 NP1:ϕ_s131.69520°,δ58.61747°,λ102.01758°. NP2:ϕ_s289.46093°,δ33.38422°,λ71.15319°. Principal axes: T 6.7506,Plg73.4677°,Azm72.8528°; N 0.6650,Plg10.2389°,Azm305.3695°; P -7.4156,Plg12.8388°,Azm213.0101° $M_0$7.10646×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.88 $M_{\theta\theta}$-4.65 $M_{\phi\phi}$-1.23 $M_{r\theta}$2.32 $M_{\theta\phi}$3.22 $M_{\phi r}$-2.98 NP1:ϕ_s132.48478°,δ60.77048°,λ102.23546°. NP2:ϕ_s288.53903°,δ31.47723°,λ69.25607°. Principal axes: T 7.0774,Plg71.5032°,Azm70.6723°; N 0.4487,Plg10.6579°,Azm306.4401°; P -7.5261,Plg14.9376°,Azm213.5623° $M_0$7.31207×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 14 07 19 50.3–1.8 14.5N–.10 92.39W–.08 70–12 29 0-4
MEX IX 14 07 19 53.3–.62 14.68N 92.27W 82–6 3.8 **¶625423661**
GCG IX 14 07 19 54.5–.78 14.63N 92.26W 53–7 3.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.1km s-min=8.1km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=9.9km s-min=8.9km az=-1.0. Presumed earthquake.
ISC IX 12 06 38 46.8–1.4 14.60N–.06 92.28W–.05 62–7 50 0-7
CATAC IX 12 06 38 46.9–.59 14N–4.0 92W–4.0 37–5 3.5,3.5 **¶625423587**
GCG IX 12 06 38 47.8–1.2 14.58N 92.20W 45–15 3.9,3.5
MEX IX 12 06 38 47.6–1.2 14.56N 92.37W 63–10 3.9,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=12.6km s-min=3.8km az=42.7. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=11.3km s-min=9.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.5km s-min=6.6km az=-1.0. Presumed earthquake.
ISC IX 12 03 44 28.1–1.4 14.68N–.08 93.18W–.05 79–20 33 1-6
MEX IX 12 03 44 32.9–.95 14.98N 93.23W 42–51 4.0 **¶625423584**
GCG IX 12 03 44 35.3–1.4 15.07N 92.80W 72–11 4.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.6km s-min=8.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=10.6km s-min=13.0km az=-1.0. Presumed earthquake.
ISC IX 15 11 58 21.1–2.0 14.06N–.08 93.33W–.04 14–11 43 1-62
MEX IX 15 11 58 23.4–.75 13.83N 93.36W 15–23 4.2 **¶621111982**
IDC IX 15 11 58 27.2–3.0 14.48N 93.34W 0 3.6b,3.5L
GCG IX 15 11 58 29.0–1.7 13.96N 92.86W 38–27 4.3,3.5L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=21.4km s-min=6.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=38.2km s-min=22.5km az=178.0.
GCG Event type se. Error ellipse: s-maj=10.9km s-min=32.5km az=-1.0. Presumed earthquake.
ISC IX 14 13 31 50.9–1.4 14.97N–.05 92.63W–.04 116–8 45 0-7
GCG IX 14 13 31 54.5–.93 15.08N 92.68W 82–21 4.0 **¶625423663**
MEX IX 14 13 31 55.4–1.0 15.08N 92.65W 97–12 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=9.1km s-min=11.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.6km s-min=10.5km az=-1.0. Presumed earthquake.
MEX IX 14 23 42 59.1–.50 15.79N 93.42W 100–4 3.6
¶625423666
MEX Event type se. Error ellipse: s-maj=3.6km s-min=4.4km az=-1.0. Presumed earthquake.
ISC IX 15 22 31 39.9–.35 15.48N–.03 93.08W–.03 100–2 4.9b 591 0-148
IDC IX 15 22 31 37.6–1.3 15.57N 92.80W 72–11 4.4,4.1b **¶621079004**
GCG IX 15 22 31 39.5–1.4 15.47N 93.16W 103–15 5.3L,5.3
NEIC IX 15 22 31 40.5–1.6 15.47N–.03 93.13W–.05 96–4 5.0b,4.5
CATAC IX 15 22 31 41.5–.39 15N–4.0 93W–3.0 87–4 5.7b,5.6b

MEX IX 15 22 31 41.2–1.1 15.43N 93.16W 101–8 4.6,5.6b
GFZ IX 15 22 31 42.7–.32 16N–3.0 93W–3.0 113–3 6.1L,5.7
ISC Event type se.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 17 07 42 38.4–1.4 14.46N–.07 93.07W–.04 51 30 1-7
MEX IX 17 07 42 41.8–.28 14.59N 93.13W 22–38 4.1 **¶625423753**
GCG IX 17 07 42 42.2–.84 14.64N 92.80W 7–20 4.1
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=4.7km s-min=18.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=9.3km s-min=10.4km az=-1.0. Presumed earthquake.
ISC IX 21 20 53 37.8–2.3 14.1N–.10 92.80W–.07 33–4 21 1-4
MEX IX 21 20 53 44.3–.39 14.20N 92.67W 9–76 3.7 **¶625423881**
GCG IX 21 20 53 45.3–2.4 14.28N 92.50W 8–45 3.5
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=67.0km s-min=8.1km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=19.3km s-min=20.0km az=-1.0. Presumed earthquake.
ISC IX 17 18 34 18.7–1.9 14.60N–.06 93.37W–.04 14–11 38 1-5
MEX IX 17 18 34 22.4–.78 14.47N 93.38W 17–61 3.9 **¶625423756**
GCG IX 17 18 34 23.1–1.4 14.44N 93.30W 50–187 4.4
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.3km s-min=9.6km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=24.0km s-min=29.0km az=-1.0. Presumed earthquake.
ISC IX 18 14 58 03.4–1.6 14.75N–.06 93.29W–.04 27–15 48 1-7
GCG IX 18 14 58 07.6–1.9 14.81N 93.17W 29–22 4.4L,4.3 **¶625423779**
MEX IX 18 14 58 07.1–.73 14.70N 93.29W 38–54 4.1,4.3
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=18.3km s-min=24.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.5km s-min=6.4km az=-1.0. Presumed earthquake.
MEX IX 18 23 29 52.4–.32 14.43N 92.47W 77–17 3.4 ¶626752545
MEX Event type se. Error ellipse: s-maj=13.7km s-min=9.7km az=-1.0. Presumed earthquake.
ISC IX 20 08 08 50.7–1.4 14.89N–.06 92.84W–.04 97–10 42 1-7
GCG IX 20 08 08 54.9–1.3 15.06N 92.76W 71–17 3.6 **¶625423845**
MEX IX 20 08 08 54.7–.52 14.96N 92.82W 84–6 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=10.8km s-min=13.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.2km s-min=5.7km az=-1.0. Presumed earthquake.
ISC IX 20 09 29 42.5–1.4 15.64N–.05 93.52W–.04 94–12 42 0-5
GCG IX 20 09 29 42.9–1.2 15.67N 93.52W 92–32 4.5 **¶625423847**
MEX IX 20 09 29 45.0–.76 15.65N 93.50W 88–8 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=10.9km s-min=6.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=5.5km s-min=8.5km az=-1.0. Presumed earthquake.
ISC IX 17 03 13 08.3–1.7 14.47N–.06 92.53W–.05 16–10 106 1-8
CATAC IX 17 03 13 09.5 14N–2.0 93W–2.0 31–862 5.1b,4.5 **¶625423751**
GCG IX 17 03 13 12.1–1.2 14.59N 92.32W 43–29 4.8,4.5
MEX IX 17 03 13 12.3–.56 14.55N 92.62W 65–32 4.5,4.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
GCG Event type se. Error ellipse: s-maj=12.2km s-min=13.8km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=16.4km s-min=8.6km az=-1.0. Presumed earthquake.
ISC IX 19 12 13 59.8–2.8 14.06N–.10 92.58W–.07 8–13 21 1-4
MEX IX 19 12 14 04.0–.66 14.09N 92.59W 11–149 3.9 **¶625423816**
GCG IX 19 12 14 06.5–1.2 14.19N 92.27W 23–9 3.8
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=127.6km s-min=7.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.5km s-min=9.7km az=-1.0. Presumed earthquake.
ISC IX 24 03 33 13.1–2.1 14.9N–.10 92.2W–.10 127–12 21 0-3
GCG IX 24 03 33 16.8–.83 15.02N 92.26W 106–9 3.8 **¶625423957**
MEX IX 24 03 33 17.5–.44 15.00N 92.27W 111–6 3.7
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=7.4km s-min=18.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=20.9km s-min=13.2km az=-1.0. Presumed earthquake.
ISC IX 22 08 15 38.0–1.9 14.37N–.08 93.02W–.05 28–14 27 1-4
MEX IX 22 08 15 42.2–.77 14.53N 93.05W 23–73 3.8 **¶625423906**
GCG IX 22 08 15 44.6–.78 14.57N 92.70W 61–19 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=11.9km s-min=10.1km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=13.8km s-min=16.7km az=-1.0. Presumed earthquake.
ISC IX 25 04 47 21.2–2.0 14.5N–.10 92.3W–.10 66–17 17 0-4
MEX IX 25 04 47 22.8–.66 14.65N 92.20W 80–8 3.7 **¶625423981**
GCG IX 25 04 47 26.0–1.5 14.72N 92.11W 4–24 3.3
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=13.5km s-min=19.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=16.1km s-min=26.0km az=-1.0. Presumed earthquake.
ISC IX 24 01 59 52.4–.35 15.10N–.04 93.30W–.03 81–3 5.0b 671 1-145
GFZ IX 24 01 59 50.7–.35 16N–4.0 93W–4.0 10 5.4b,5.4L **¶621109271**
CATAC IX 24 01 59 52.7–.42 15N–4.0 93W–3.0 60–7 5.4,5.4
IDC IX 24 01 59 52.3–.52 15.35N 93.00W 70–4 4.6,4.3b
GCG IX 24 01 59 53.0–1.8 15.12N 93.38W 38–246 5.4,5.3L
MEX IX 24 01 59 53.9–.77 15.07N 93.36W 76–10 5.0,5.3L
NEIC IX 24 01 59 53.7–2.5 15.21N–.05 93.25W–.05 79–4 5.0,5.0b
NEIC IX 24 01 59 53.7 15.21N 93.25W 80 5.0,5.0b
GCMT IX 24 01 59 53.1–.30 15.30N–.02 93.27W–.02 72–2 4.9W,5.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.65 $M_{\theta\theta}$0.65 $M_{\phi\phi}$0.01 $M_{r\theta}$1.14 $M_{\theta\phi}$-0.20 $M_{\phi r}$-1.00 NP1:ϕ_s87.77281° ,δ14.70410°,λ-130.05018°. NP2:ϕ_s308.76524°,δ78.79617°,λ-80.41560°. Principal axes: T 1.6278,Plg33.1312°,Azm30.6832°; N 0.0644,Plg9.4001°,Azm126.8861° ; P -1.6922,Plg55.2191°,Azm230.6762° $M_0$1.66094×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.80 $M_{\theta\theta}$0.77 $M_{\phi\phi}$0.03 $M_{r\theta}$1.13 $M_{\theta\phi}$-0.20 $M_{\phi r}$-1.00 NP1: ϕ_s87.51650°,δ17.03394°,λ-128.78701°. NP2:ϕ_s307.56422°,δ76.80067°,λ-79.13568°. Principal axes: T 1.6464,Plg30.9725°,Azm28.6218°; N 0.1192,Plg10.5739°,Azm125.0549° ; P -1.7656,Plg56.8820°,Azm231.6832° $M_0$1.70911×10^{16}
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.13 $M_{\theta\theta}$1.46 $M_{\phi\phi}$0.67 $M_{r\theta}$2.10 $M_{\theta\phi}$-1.43 $M_{\phi r}$-0.54 NP1:ϕ_s291.08000°,δ67.15000°,λ-104.95000°. NP2:ϕ_s145.60000°,δ27.08000° ,λ-58.52000°. Principal axes: T 3.3114,Plg21.0000°,Azm32.0000°; N -0.2067,Plg14.0000° ,Azm297.0000°; P -3.1047,Plg65.0000°,Azm176.0000° $M_0$3.21000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109240159A. Moment Tensor Solution. s54,c63; s101,c158; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.51±.09 $M_{\theta\theta}$1.24±.08; $M_{\phi\phi}$0.26±.09; $M_{r\theta}$1.34±.05; $M_{\theta\phi}$-1.57±.07; $M_{\phi r}$-1.57±.05; Best double couple: NP1:ϕ_s105.00000°,δ25.00000° ,λ-123.00000°. NP2:ϕ_s320.00000°,δ69.00000°,λ-76.00000°. Principal axes: T 3.2550,Plg23.0000°,Azm39.0000°; N -0.7800,Plg13.0000°,Azm135.0000° ; P -2.4770,Plg63.0000°,Azm252.0000° $M_0$2.86600×10^{16}
ISC IX 24 05 33 46.0–1.6 14.86N–.06 93.55W–.04 14–11 28 1-4
GCG IX 24 05 33 51.5–1.4 14.99N 93.45W 37–999 3.7 **¶625423958**
MEX IX 24 05 33 51.4–.77 14.95N 93.51W 48–26 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=14.8km s-min=24.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.1km s-min=7.6km az=-1.0. Presumed earthquake.
ISC IX 28 19 49 51.8–2.4 14.5N–.10 93.1W–.10 72–32 15 1-3
GCG IX 28 19 49 59.3–.31 14.70N 92.79W 19–11 3.5 **¶625424081**
MEX IX 28 19 50 00.3–.57 14.85N 92.97W 53–32 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=7.6km s-min=11.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=17.3km s-min=15.1km az=-1.0. Presumed earthquake.
ISC IX 27 00 33 13.6–1.7 14.70N–.07 93.90W–.05 9–12 19 1-4
GCG IX 27 00 33 23.9–.86 14.87N 93.77W 35–52 4.0 **¶625424033**
MEX IX 27 00 33 26.4–.78 14.96N 93.78W 27–32 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=20.4km s-min=35.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=10.8km s-min=11.2km az=-1.0. Presumed earthquake.
ISC IX 27 10 30 42.0–1.6 14.80N–.07 92.86W–.06 102–13 31 1-6
GCG IX 27 10 30 47.3–1.5 14.98N 92.77W 68–19 4.0 **¶625424038**
MEX IX 27 10 30 48.3–.70 14.95N 92.86W 69–9 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=8.6km s-min=11.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.1km s-min=7.5km az=-1.0. Presumed earthquake.
ISC IX 28 07 00 46.8–1.6 15.50N–.06 93.53W–.04 114–12 25 0-7
MEX IX 28 07 00 52.6–.91 15.64N 93.49W 88–10 3.9 **¶625424072**
GCG IX 28 07 00 53.8–1.2 15.70N 93.35W 36–999 3.4
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.0km s-min=7.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=18.8km s-min=21.7km az=-1.0. Presumed earthquake.
ISC IX 30 02 23 02.0–.58 14.93N–.05 92.70W–.03 74–6 3.2b 87 0-33
IDC IX 30 02 22 36.0–14 12.80N 92.12W 0 3.8L,3.4b **¶625424136**
MEX IX 30 02 23 02.9–1.0 14.86N 92.69W 89–10 4.5,3.4b
GCG IX 30 02 23 03.8–1.3 14.95N 92.57W 76–9 4.6,3.4b
CATAC IX 30 02 23 05.1–.40 15N–3.0 93W–3.0 55–5 5.3b,5.3b
ISC Event type se.
MEX Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 29 07 31 56.5–1.2 14.61N–.05 92.51W–.03 71–8 65 0-7
GCG IX 29 07 31 58.0–1.3 14.62N 92.43W 64–13 4.3 **¶625424113**
CATAC IX 29 07 31 58.9–.44 15N–5.0 92W–4.0 57–5 3.6,3.6
MEX IX 29 07 31 59.9–.54 14.68N 92.57W 62–13 4.1,3.6
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=9.5km s-min=12.1km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=12.7km s-min=3.2km az=38.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=10.3km s-min=8.2km az=-1.0. Presumed earthquake.
ISC IX 29 03 51 32.8–.87 14.72N–.04 92.53W–.03 72–6 111 0-52
NEIC IX 29 03 51 32.9–.97 14.70N–.08 92.53W–.03 72–5 4.3,4.2b **¶622499453**
GCG IX 29 03 51 33.5–.73 14.66N 92.40W 68–7 4.6,4.2b
CATAC IX 29 03 51 34.6–.36 15N–4.0 92W–3.0 59–5 7.0b,6.9
MEX IX 29 03 51 34.6–.75 14.73N 92.45W 76–7 4.3,6.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=2.4km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=5.7km s-min=6.2km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=10.4km s-min=2.4km az=36.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=7.4km s-min=7.4km az=-1.0. Presumed earthquake.
ISC IX 30 03 06 35.9–2.1 14.4N–.10 92.51W–.09 90–15 20 1-4
MEX IX 30 03 06 41.8–.58 14.62N 92.55W 81–14 3.8 **¶625424140**
GCG IX 30 03 06 42.6–1.0 14.64N 92.31W 68–11 2.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.9km s-min=8.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=10.4km s-min=15.0km az=-1.0. Presumed earthquake.
ISC IX 30 05 56 45.6–.95 14.22N–.06 93.37W–.03 36–2 4.0b,3.3s 224 1-145
IDC IX 30 05 56 39.7–2.1 14.17N 93.28W 0 3.8L,3.7b **¶621113164**
CATAC IX 30 05 56 42.8–.65 14N–3.0 93W–3.0 10–4 5.4b,5.0b
MEX IX 30 05 56 42.6–.89 13.98N 93.44W 19–81 4.5,5.0b
NEIC IX 30 05 56 43.6–1.3 14.32N–.07 93.27W–.05 10–2 4.5,4.0b
GCG IX 30 05 56 46.8–2.5 14.29N 93.12W 26–16 4.4L,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=22.7km az=169.0.
CATAC Event type se. Error ellipse: s-maj=8.4km s-min=3.4km az=49.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-0.05 $M_{r\theta}$0.80 $M_{\theta\phi}$0.47 $M_{\phi r}$-0.79 NP1:ϕ_s132.04820° ,δ71.97797°,λ101.34028°. NP2:ϕ_s279.09571°,δ21.19233°,λ58.85162°. Principal axes: T 1.3590,Plg61.4084°,Azm58.9386°; N 0.1303,Plg10.7771°,Azm308.4977° ; P -1.4893,Plg26.1371°,Azm213.1384° $M_0$1.42864×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.75 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$0.10 $M_{r\theta}$0.71 $M_{\theta\phi}$0.49 $M_{\phi r}$-0.80 NP1: ϕ_s134.14445°,δ71.63422°,λ108.70191°. NP2:ϕ_s267.09088°,δ25.97917°,λ45.99616°. Principal axes: T 1.3398,Plg59.1433°,Azm70.3799°; N 0.1571,Plg17.7168°,Azm308.0562° ; P -1.4969,Plg24.3846°,Azm209.7299° $M_0$1.42487×10^{15}
MEX Event type se. Error ellipse: s-maj=20.1km s-min=19.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.0km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=10.6km s-min=17.7km az=-1.0. Presumed earthquake.
ISC IX 29 23 21 19.6–1.5 14.34N–.08 92.57W–.05 77–16 28 1-6
MEX IX 29 23 21 25.2–.60 14.56N 92.57W 72–9 4.0 **¶625424115**
GCG IX 29 23 21 26.3–.79 14.69N 92.35W 60–9 3.6
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.7km s-min=8.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=7.4km s-min=8.2km az=-1.0. Presumed earthquake.
ISC IX 30 15 51 05.5–1.8 14.40N–.09 92.48W–.07 95–19 21 1-4
MEX IX 30 15 51 11.2–.50 14.67N 92.44W 82–14 4.0 **¶625424154**
GCG IX 30 15 51 13.8–1.5 14.75N 92.23W 68–12 3.5
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=17.0km s-min=18.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=7.9km s-min=16.2km az=-1.0. Presumed earthquake.
ISC IX 30 09 15 51.6–2.4 14.15N–.06 93.38W–.03 32–18 72 1-145
IDC IX 30 09 15 45.6–1.7 13.90N 93.27W 0 3.7b,3.4 **¶621147757**
CATAC IX 30 09 15 52.7–.99 14N–5.0 93W–4.0 12–7 3.9,3.9
MEX IX 30 09 15 54.5–.85 14.32N 93.41W 6–25 4.2,3.9
GCG IX 30 09 15 57.8–2.2 14.37N 93.07W 50–22 4.3,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=17.9km az=34.0.
CATAC Event type se. Error ellipse: s-maj=11.5km s-min=7.6km az=25.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=25.5km s-min=11.1km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=9.3km s-min=11.6km az=-1.0. Presumed earthquake.
ISC IX 30 21 50 19.8–1.9 14.14N–.10 92.26W–.06 21–6 22 1-4
MEX IX 30 21 50 24.0–.71 14.18N 92.29W 16–108 3.7 **¶625424156**
GCG IX 30 21 50 25.1–.67 14.36N 92.14W 52–18 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=90.9km s-min=21.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=9.4km s-min=10.7km az=-1.0. Presumed earthquake.
ISC IX 30 13 32 03.2–2.8 14.27N–.07 93.32W–.04 33–9 42 1-8
MEX IX 30 13 32 04.9–.70 14.24N 93.40W 18–69 4.2 **¶625424153**
GCG IX 30 13 32 06.5–2.6 14.34N 93.14W 28–125 4.6,4.1L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=17.3km s-min=16.6km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=40.8km s-min=67.4km az=-1.0. Presumed earthquake.
ISC IX 30 21 57 23.4–1.9 14.24N–.07 93.57W–.03 11–12 32 1-5
GCG IX 30 21 57 30.3–.95 14.25N 93.28W 20–16 4.3 **¶625424157**
MEX IX 30 21 57 30.1–.71 14.23N 93.34W 5–29 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=16.2km s-min=13.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=26.1km s-min=11.5km az=-1.0. Presumed earthquake.
ISC X 01 06 53 07.0–2.9 15.0N–.10 92.5W–.10 132–18 18 0-3
MEX X 01 06 53 11.8–.95 15.06N 92.55W 114–13 3.6 **¶625424179**
GCG X 01 06 53 13.3–.38 15.19N 92.41W 97–6 3.3
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.3km s-min=18.6km az=-1.0. Presumed earthquake.

GCG Event type se. Error ellipse: s-maj=4.0km s-min=5.7km az=-1.0. Presumed earthquake.
ISC X 01 00 32 15.0–2.5 14.30N–.06 93.39W–.03 4–16 3.8b 65 1-145
GCG X 01 00 32 18.2–1.4 14.25N 93.33W 22–62 4.8 ¶621147799
MEX X 01 00 32 20.4–.74 14.29N 93.30W 18–132 4.2
IDC X 01 00 32 26.2–3.1 14.78N 93.31W 57–22 3.8,3.5L
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=24.9km s-min=28.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=32.0km s-min=28.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=33.2km s-min=15.7km az=28.0.
ISC X 02 04 09 05.7–2.5 14.13N–.07 92.53W–.07 18–8 25 1-4
MEX X 02 04 09 09.5–.48 14.16N 92.65W 25–44 4.0 ¶625424206
GCG X 02 04 09 11.1–2.6 14.24N 92.36W 11–30 4.2
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=39.8km s-min=5.3km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=24.1km s-min=33.5km az=-1.0. Presumed earthquake.
ISC X 01 04 40 35.2–2.4 14.59N–.10 93.30W–.06 11–11 25 1-4
GCG X 01 04 40 36.7–1.5 14.32N 93.29W 20–23 4.1 ¶625424175
MEX X 01 04 40 38.0–.59 14.50N 93.38W 10 3.8
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=56.1km s-min=37.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.6km s-min=5.6km az=-1.0. Presumed earthquake.
ISC X 01 05 14 36.8–1.5 15.56N–.07 93.53W–.06 70–13 23 0-3
MEX X 01 05 14 37.3–1.1 15.56N 93.55W 80–8 3.8 ¶625424176
GCG X 01 05 14 39.4–1.5 15.64N 93.37W 34–37 3.8
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.5km s-min=7.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=14.8km s-min=24.7km az=-1.0. Presumed earthquake.
ISC X 03 13 25 53.4–2.7 14.6N–.10 93.25W–.07 6–12 18 1-3
GCG X 03 13 25 56.2–.78 14.63N 93.28W 42–17 3.8 ¶625424230
MEX X 03 13 25 56.7–.56 14.61N 93.28W 13–22 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=6.5km s-min=13.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=17.5km s-min=10.3km az=-1.0. Presumed earthquake.
ISC X 02 22 42 54.5–2.9 14.2N–.10 92.6W–.10 32–15 20 1-3
MEX X 02 22 42 55.9–.46 14.17N 92.68W 16–999 4.0 ¶625424208
GCG X 02 22 42 55.5–1.4 14.15N 92.64W 50–12 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=14.6km s-min=14.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=17.4km s-min=12.9km az=-1.0. Presumed earthquake.
ISC X 10 18 05 38.8–2.4 14.23N–.09 93.22W–.07 33–4 24 1-4
MEX X 10 18 05 38.9–.84 13.96N 93.34W 20–187 4.0 ¶625424508
GCG X 10 18 05 39.2–.58 13.98N 93.31W 46–356 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=30.9km s-min=32.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=157.4km s-min=175.1km az=-1.0. Presumed earthquake.
ISC X 04 02 06 46.9–4.0 14.2N–.10 93.00W–.10 26–23 23 1-3
MEX X 04 02 06 46.9–.59 14.17N 93.13W 16–999 3.8 ¶625424275
GCG X 04 02 06 49.2–.73 14.36N 92.95W 27–37 3.8
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=38.5km s-min=25.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=15.3km s-min=14.8km az=-1.0. Presumed earthquake.
ISC X 04 21 20 31.6–1.9 14.66N–.09 92.26W–.07 107–10 29 0-5
MEX X 04 21 20 34.7–.38 14.89N 92.11W 105–3 4.0 ¶625424285
GCG X 04 21 20 35.4–.90 14.84N 92.18W 88–7 3.8
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.2km s-min=5.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=6.5km s-min=7.2km az=-1.0. Presumed earthquake.
ISC X 07 01 22 49.8–1.5 14.62N–.06 92.94W–.03 25–13 80 1-7
GCG X 07 01 22 52.3–1.3 14.66N 92.87W 36–282 4.2 ¶625424387
MEX X 07 01 22 52.9–1.0 14.68N 92.88W 58–15 4.3
CATAC X 07 01 22 53.0–.73 15N–4.0 93W–4.0 32–5 5.4b,5.1b
ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 08 12 00 02.2–1.9 14.21N–.08 93.14W–.04 2–11 3.7b 42 1-62
MEX X 08 12 00 03.8–.77 14.08N 93.13W 4–37 4.2 ¶621224653
GCG X 08 12 00 03.5–1.6 14.05N 93.15W 19–36 4.1
IDC X 08 12 00 04.0–2.8 14.41N 93.01W 0 3.6b,3.5L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=35.9km s-min=9.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=40.8km s-min=44.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=38.2km s-min=21.9km az=174.0.
ISC X 04 07 57 56.2–.91 14.56N–.05 92.53W–.03 69–8 120 0-145
CATAC X 04 07 57 54.6–.59 14N–3.0 93W–3.0 22–3 4.4,4.4 ¶621203106
MEX X 04 07 57 57.8–.86 14.59N 92.46W 72–9 4.2,4.4
IDC X 04 07 57 58.2–2.5 14.86N 92.30W 77–19 3.8s,3.4
GCG X 04 07 57 59.3–2.0 14.68N 92.26W 60–11 4.5,4.2L
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.3km s-min=2.9km az=38.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=11.7km s-min=8.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=28.4km s-min=14.9km az=15.0.
GCG Event type se. Error ellipse: s-maj=9.0km s-min=9.4km az=-1.0. Presumed earthquake.
ISC X 09 08 05 54.6–1.3 14.54N–.06 93.30W–.04 51–35 65 1-7
GCG X 09 08 05 56.9–1.4 14.63N 93.29W 44–13 4.3 ¶625424467
MEX X 09 08 05 57.3–1.1 14.63N 93.33W 21–53 4.2
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=9.0km s-min=6.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=11.0km s-min=9.3km az=-1.0. Presumed earthquake.
ISC X 11 04 11 17.0–2.3 14.8N–.10 93.08W–.08 88–19 21 1-3
MEX X 11 04 11 21.3–1.1 15.02N 93.02W 76–14 3.8 ¶625424557
GCG X 11 04 11 21.4–.80 14.95N 92.90W 82–11 4.2
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=13.1km s-min=10.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=8.4km s-min=12.7km az=-1.0. Presumed earthquake.
ISC X 12 00 48 47.7–.71 14.66N–.05 92.45W–.04 76–5 4.1b 195 0-145
GCG X 12 00 48 48.7–1.5 14.62N 92.44W 66–9 5.1L,4.6 ¶621146138
CATAC X 12 00 48 49.7–.38 15N–3.0 92W–3.0 74–4 5.0b,4.5
NEIC X 12 00 48 49.2–1.8 14.74N–.07 92.43W–.05 76–5 4.4,4.1b
MEX X 12 00 48 49.0–.65 14.69N 92.42W 84–5 4.4,4.1b
IDC X 12 00 48 50.3–2.4 14.90N 92.34W 86–16 4.1,3.7b
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=8.3km s-min=12.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.4km s-min=3.6km az=41.5. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=1.4km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=6.3km s-min=6.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=25.7km s-min=14.3km az=12.0.
ISC X 11 06 55 48.0–1.4 15.18N–.07 93.50W–.05 89–15 34 1-3
MEX X 11 06 55 51.1–.68 15.29N 93.49W 79–10 3.9 ¶625424561
GCG X 11 06 55 52.2–1.7 15.28N 93.36W 57–55 4.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.3km s-min=9.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.6km s-min=18.9km az=-1.0. Presumed earthquake.
ISC X 12 09 13 21.8–1.0 14.80N–.06 92.10W–.05 32–8 29 0-5
MEX X 12 09 13 23.6–.81 14.83N 92.06W 32–5 3.7 ¶625424614
GCG X 12 09 13 24.0–1.0 14.86N 92.12W 22–5 3.6
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.9km s-min=7.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=4.0km s-min=3.7km az=-1.0. Presumed earthquake.
ISC X 12 09 22 06.8–1.2 14.33N–.08 92.26W–.04 50–16 133 1-7
MEX X 12 09 22 04.9–.91 14.27N 92.22W 78–18 4.4 ¶625379186
GCG X 12 09 22 06.3–1.2 14.24N 92.17W 24–6 4.4
CATAC X 12 09 22 06.7–.82 15N–22 92W–13 70–8 3.9,3.9
SNET X 12 09 22 11.0 14N–2.0 92W–2.0 123–4 4.0,4.0

ISC Event type se.
MEX Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 14 11 52 23.4–1.2 14.57N–.04 92.73W–.03 53–11 93 1-5
GCG X 14 11 52 23.5–1.6 14.54N 92.72W 49–27 4.2 ¶625424701
CATAC X 14 11 52 25.1–.44 15N–3.0 93W–3.0 46–6 4.2b,4.2
MEX X 14 11 52 25.0–.60 14.63N 92.64W 65–6 4.2,4.2
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=10.0km s-min=12.6km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.5km s-min=3.1km az=42.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=4.7km s-min=4.0km az=-1.0. Presumed earthquake.
MEX X 13 06 42 48.0–.89 14.74N 93.22W 10 3.7
¶625424654
MEX Event type se. Error ellipse: s-maj=8.1km s-min=5.9km az=-1.0. Presumed earthquake.
ISC X 16 19 07 11.0–1.5 15.57N–.06 93.55W–.05 116–12 30 0-4
GCG X 16 19 07 15.2–.57 15.65N 93.42W 81–45 3.7 ¶625424763
MEX X 16 19 07 15.3–.91 15.61N 93.53W 92–9 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=12.6km s-min=17.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.7km s-min=8.6km az=-1.0. Presumed earthquake.
ISC X 19 01 02 15.9–2.5 14.46N–.09 93.79W–.07 17–12 27 1-4
MEX X 19 01 02 17.6–.40 14.29N 93.93W 11–20 4.0 ¶625424854
GCG X 19 01 02 19.5–2.7 14.31N 93.82W 50–458 4.3
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=15.8km s-min=12.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=22.9km s-min=30.6km az=-1.0. Presumed earthquake.
ISC X 17 18 42 04.4–1.8 14.8N–.10 92.16W–.10 118–10 21 0-3
MEX X 17 18 42 07.6–.70 14.85N 92.21W 106–6 3.9 ¶625424789
GCG X 17 18 42 09.0–1.1 14.82N 92.35W 77–21 3.6
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=9.7km s-min=10.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.0km s-min=22.0km az=-1.0. Presumed earthquake.
ISC X 18 21 08 18.1–3.1 14.48N–.05 93.83W–.03 6–20 4.2b,3.8s 133 1-145
IDC X 18 21 08 16.7–1.6 14.38N 93.51W 0 4.1b,4.0 ¶621211168
NEIC X 18 21 08 20.7–1.7 14.60N–.05 93.72W–.04 10–1 4.3,4.2b
MEX X 18 21 08 20.4–.45 14.47N 93.89W 6–9 4.3,4.2b
GCG X 18 21 08 20.1–2.7 14.41N 93.86W 26 4.6,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=18.6km az=32.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.7km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=43.7km s-min=15.9km az=-1.0. Presumed earthquake.
ISC X 19 18 34 56.3–1.3 15.61N–.05 93.53W–.04 74–11 39 0-5
MEX X 19 18 34 56.4–.58 15.51N 93.62W 75–6 4.1 ¶625424867
GCG X 19 18 34 57.9–.49 15.61N 93.42W 50–176 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.1km s-min=7.1km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=16.2km s-min=21.6km az=-1.0. Presumed earthquake.
ISC X 19 19 01 08.0–1.3 15.48N–.05 93.66W–.03 83–13 53 0-6
GCG X 19 19 01 09.3–.83 15.48N 93.69W 35–23 4.2 ¶625424868
MEX X 19 19 01 11.2–1.3 15.57N 93.60W 74–13 4.2
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=8.9km s-min=5.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.2km s-min=10.7km az=-1.0. Presumed earthquake.
ISC X 22 06 55 22.3–1.6 14.21N–.06 92.67W–.04 27–14 41 1-5
GCG X 22 06 55 26.3–1.5 14.35N 92.51W 14–11 4.0 ¶625424983
MEX X 22 06 55 27.2–.53 14.44N 92.53W 74–17 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=7.6km s-min=10.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=10.7km s-min=10.8km az=-1.0. Presumed earthquake.
ISC X 21 15 31 53.4–2.0 14.88N–.08 93.18W–.06 17–10 23 1-3
MEX X 21 15 31 55.9–.45 14.81N 93.20W 13–21 3.8 ¶625424954
GCG X 21 15 31 56.5–.94 14.80N 92.87W 0–19 3.8
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=17.6km s-min=13.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.0km s-min=31.6km az=-1.0. Presumed earthquake.
ISC X 26 23 12 29.2–2.2 14.39N–.09 92.81W–.07 33–12 21 1-3
MEX X 26 23 12 32.7–.56 14.50N 92.83W 55–41 3.7 ¶625425133
GCG X 26 23 12 33.0–.83 14.49N 92.65W 22–12 3.7
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=15.5km s-min=15.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.5km s-min=15.2km az=-1.0. Presumed earthquake.
ISC X 24 12 02 02.9–2.1 14.50N–.08 93.10W–.05 16–10 30 1-3
GCG X 24 12 02 06.8–1.6 14.41N 93.13W 50–15 4.2 ¶625425040
MEX X 24 12 02 09.6–.68 14.63N 93.10W 24–20 3.8
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=16.7km s-min=17.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=17.3km s-min=9.9km az=-1.0. Presumed earthquake.
ISC X 27 04 03 33.9–1.9 14.15N–.07 92.17W–.05 10–10 41 1-5
GCG X 27 04 03 35.6–1.4 14.13N 92.17W 8–17 4.0 ¶625425162
MEX X 27 04 03 37.3–1.0 14.16N 92.00W 40–70 4.1
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=11.3km s-min=11.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=17.2km s-min=28.0km az=-1.0. Presumed earthquake.
ISC X 29 06 30 59.9–1.4 14.98N–.05 92.74W–.04 98–9 46 0-4
MEX X 29 06 31 01.3–.76 15.04N 92.62W 104–7 3.9 ¶625425257
GCG X 29 06 31 01.3–.96 15.08N 92.72W 88–11 3.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.5km s-min=7.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=6.9km s-min=9.7km az=-1.0. Presumed earthquake.
ISC X 27 16 07 03.9–2.6 14.2N–.10 93.11W–.06 10–14 22 1-4
MEX X 27 16 07 04.5–.38 14.08N 93.33W 10 3.8 ¶625425182
GCG X 27 16 07 14.3–.54 14.54N 92.60W 10–13 4.1
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.4km s-min=4.6km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=4.7km s-min=5.8km az=-1.0. Presumed earthquake.
ISC XI 01 08 41 24.3–1.3 14.62N–.05 92.61W–.04 67–10 50 0-6
GCG XI 01 08 41 25.2–1.4 14.69N 92.57W 66–15 4.1 ¶625425788
MEX XI 01 08 41 25.6–.58 14.73N 92.44W 86–5 4.2
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=11.4km s-min=13.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.9km s-min=5.8km az=-1.0. Presumed earthquake.
ISC X 30 06 56 10.9–2.1 14.7N–.10 92.64W–.09 98–13 19 0-4
MEX X 30 06 56 15.2–.49 14.92N 92.65W 88–5 3.8 ¶625425342
GCG X 30 06 56 16.2–.65 14.94N 92.47W 82–17 4.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.0km s-min=5.2km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=8.6km s-min=18.5km az=-1.0. Presumed earthquake.
ISC X 29 20 53 14.0–1.5 14.31N–.05 92.88W–.03 7–9 4.4b 149 1-145
IDC X 29 20 53 11.3–1.9 13.94N 93.00W 0 3.9L,3.8 ¶621244490
GCG X 29 20 53 16.8–1.8 14.30N 92.90W 36–999 4.4,3.8
MEX X 29 20 53 16.6–.81 14.35N 92.83W 79–20 4.4,3.8
NEIC X 29 20 53 18.2–2.0 14.40N–.05 92.76W–.04 31–9 4.4b,4.4
ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 00 38 20.1–1.6 14.23N–.08 92.58W–.06 57–25 30 1-9
GCG XI 14 00 38 25.9–.83 14.49N 92.41W 28–6 4.0 ¶625427441
MEX XI 14 00 38 25.3–.42 14.54N 92.51W 69–7 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=9.7km s-min=11.6km az=-1.0. Presumed earthquake.

MEX Event type se. Error ellipse: s-maj=6.7km s-min=5.8km az=-1.0. Presumed earthquake.
ISC XI 01 22 38 13.0–2.1 14.97N–.10 92.88W–.07 65–18 22 1-3
GCG XI 01 22 38 12.7–.44 14.92N 92.91W 24–8 3.7 **¶625425913**
MEX XI 01 22 38 13.4–.48 14.99N 92.82W 82–7 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=4.3km s-min=7.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.2km s-min=5.2km az=-1.0. Presumed earthquake.
ISC XI 02 01 07 38.6–3.6 14.2N–.10 93.42W–.06 8–26 26 1-4
MEX XI 02 01 07 42.3–.80 14.22N 93.49W 8–34 4.0 **¶625425965**
GCG XI 02 01 07 53.2–1.1 14.62N 92.65W 50–19 4.4
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=25.1km s-min=14.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=31.5km s-min=48.8km az=-1.0. Presumed earthquake.
ISC XI 02 01 19 52.8–1.8 14.45N–.06 93.37W–.04 6–10 4.1b,3.4s 75 1-145
IDC XI 02 01 19 51.7–2.1 14.36N 93.29W 0 3.7b,3.6 **¶621401315**
MEX XI 02 01 19 53.2–1.4 14.37N 93.55W 4–33 4.1,3.6
GCG XI 02 01 19 59.9–.54 14.46N 92.96W 51–25 4.1,3.6
NEIC XI 02 01 20 00.2–1.6 14.65N–.05 93.33W–.06 35–2 4.1b,4.1
ISC Event type se.
MEX Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 02 01 27 36.3–2.0 14.50N–.08 93.28W–.05 17–11 30 1-5
MEX XI 02 01 27 35.4–.80 14.21N 93.43W 10 4.0 **¶625425972**
GCG XI 02 01 27 40.0–.76 14.38N 93.08W 29–6 4.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=10.0km s-min=5.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=5.7km s-min=8.1km az=-1.0. Presumed earthquake.
ISC XI 02 14 25 32.8–1.7 14.97N–.07 92.52W–.06 120–10 31 0-4
MEX XI 02 14 25 36.2–.67 15.02N 92.45W 112–9 4.0 **¶625426160**
GCG XI 02 14 25 36.6–.48 15.09N 92.41W 99–7 3.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=7.2km s-min=20.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=3.5km s-min=6.3km az=-1.0. Presumed earthquake.
ISC XI 10 06 40 22.8–2.4 14.4N–.20 92.3W–.10 65–28 17 0-2
GCG XI 10 06 40 24.8–.29 14.91N 92.23W 70–31 3.0 **¶625427220**
MEX XI 10 06 40 25.5–.34 14.49N 92.30W 61–13 3.5
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=12.9km s-min=32.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=10.5km s-min=6.2km az=-1.0. Presumed earthquake.
ISC XI 10 20 50 42.7–3.3 14.2N–.10 93.01W–.06 14–24 23 1-3
GCG XI 10 20 50 47.2–.37 14.62N 92.11W 161–15 3.5 **¶625427245**
MEX XI 10 20 50 48.2–.35 14.23N 93.04W 15–22 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=24.4km s-min=37.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=21.6km s-min=5.7km az=-1.0. Presumed earthquake.
ISC XI 05 09 48 14.0–1.8 14.44N–.08 93.13W–.04 30–14 33 1-4
GCG XI 05 09 48 18.1–1.7 14.55N 93.00W 36–468 3.8 **¶625426592**
MEX XI 05 09 48 18.7–.56 14.55N 93.04W 24–51 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=12.9km s-min=16.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.2km s-min=7.0km az=-1.0. Presumed earthquake.
ISC XI 06 14 49 19.3–2.8 14.79N–.08 93.75W–.06 2–16 24 1-5
MEX XI 06 14 49 26.1–.79 14.78N 93.71W 16–59 4.1 **¶625426708**
GCG XI 06 14 49 26.1–.45 14.75N 93.47W 8–22 4.2
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=34.3km s-min=42.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=7.6km s-min=20.4km az=-1.0. Presumed earthquake.
ISC XI 11 03 39 25.7–1.3 14.01N–.04 92.38W–.03 23–10 4.5b,3.6s 359 1-146
IDC XI 11 03 39 20.1–1.4 13.64N 92.19W 0 4.2b,4.2 **¶635691605**
GCG XI 11 03 39 26.8–1.6 14.03N 92.38W 56–20 4.6,4.5L
CATAC XI 11 03 39 28.4–.56 14N–4.0 92W–4.0 13–3 4.7,4.7
MEX XI 11 03 39 28.2–.86 13.98N 92.45W 25–24 4.6W,4.6
NEIC XI 11 03 39 29.1–1.7 14.13N–.06 92.27W–.06 33–6 4.6,4.5b
GFZ XI 11 03 39 32.3–.25 14N–3.0 92W–4.0 73 5.1b,4.8L
SNET XI 11 03 39 34.3 14N–6.0 92W–6.0 106–6 4.5,4.5
ISC Event type se.
GCG Event type se. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s108.00000° ,δ38.00000°,λ48.00000°.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 14 11 04 16.6–1.6 14.77N–.09 92.53W–.07 83–9 26 0-4
GCG XI 14 11 04 18.1–.47 14.64N 92.45W 72–7 3.5 **¶625427447**
MEX XI 14 11 04 18.5–.49 14.89N 92.62W 80–8 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=6.6km s-min=9.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.2km s-min=9.5km az=-1.0. Presumed earthquake.
ISC XI 19 01 45 28.6–1.9 14.3N–.10 92.77W–.09 66–25 30 1-4
MEX XI 19 01 45 30.9–.60 14.27N 92.80W 17–76 3.9 **¶625427783**
GCG XI 19 01 45 32.5–1.5 14.46N 92.68W 54–51 3.6
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=73.9km s-min=7.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=24.2km s-min=13.4km az=-1.0. Presumed earthquake.
ISC XI 15 12 55 55.1–2.4 14.1N–.10 92.54W–.06 9–16 23 1-4
GCG XI 15 12 55 55.2–.98 13.90N 92.56W 18–13 3.9 **¶625427548**
MEX XI 15 12 55 56.7–.83 14.14N 92.27W 108–16 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=11.7km s-min=13.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=12.9km s-min=15.6km az=-1.0. Presumed earthquake.
ISC XI 15 17 53 17.0–2.4 14.98N–.10 92.24W–.09 147–14 21 0-3
MEX XI 15 17 53 20.0–.69 15.03N 92.60W 136–17 3.3 **¶625427552**
GCG XI 15 17 53 21.3–.47 15.17N 91.99W 120–10 3.3
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=15.6km s-min=51.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=4.1km s-min=9.9km az=-1.0. Presumed earthquake.
ISC XI 17 03 27 55.5–2.9 14.62N–.06 93.63W–.04 24–24 34 1-5
MEX XI 17 03 28 00.5–.58 14.72N 93.62W 16–9 3.9 **¶625427640**
GCG XI 17 03 28 00.3–1.7 14.77N 93.52W 36–999 3.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.9km s-min=3.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=14.1km s-min=23.7km az=-1.0. Presumed earthquake.
ISC XI 18 08 55 11.1–3.3 14.10N–.09 93.01W–.05 16–16 29 1-4
MEX XI 18 08 55 07.5–.59 13.68N 93.09W 15 4.1 **¶625427738**
GCG XI 18 08 55 09.9–1.3 13.89N 93.12W 35–999 4.4
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=13.2km s-min=18.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=23.4km s-min=24.6km az=-1.0. Presumed earthquake.
ISC XI 19 11 37 43.8–1.3 14.43N–.05 92.62W–.03 30–12 115 1-8
CATAC XI 19 11 37 46.5–.50 15N–4.0 93W–4.0 43–6 5.7b,5.3 **¶635692208**
MEX XI 19 11 37 46.5–.75 14.62N 92.48W 74–10 4.2,5.3
GCG XI 19 11 37 47.3–.91 14.80N 92.41W 59–7 4.2L,4.2
SNET XI 19 11 37 52.5 15N–11 92W–11 50–42 4.3,4.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XI 19 03 49 13.7–1.2 15.63N–.05 93.87W–.03 64–18 49 1-5
GCG XI 19 03 49 13.7–1.9 15.67N 93.88W 35–22 4.0 **¶625427786**
MEX XI 19 03 49 15.4–.75 15.65N 93.83W 74–9 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=7.3km s-min=4.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=3.7km s-min=3.7km az=-1.0. Presumed earthquake.
ISC XI 22 01 04 07.0–2.2 14.2N–.10 92.70W–.07 10 14 1-4
GCG XI 22 01 04 12.6–.81 14.17N 92.51W 15–10 3.6 **¶625427867**
MEX XI 22 01 04 13.3–.60 14.38N 92.75W 7–48 3.7
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=19.9km s-min=15.1km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=47.2km s-min=8.4km az=-1.0. Presumed earthquake.
ISC XI 22 11 58 51.6–1.7 14.05N–.05 92.46W–.03 14–10 4.0b 161 1-146
IDC XI 22 11 58 49.6–1.6 14.00N 92.41W 0 3.7b,3.7 **¶621611909**
GCG XI 22 11 58 53.2–2.0 14.08N 92.37W 59–20 4.3,4.2L
CATAC XI 22 11 58 53.9–.77 14N–4.0 92W–5.0 10 4.2,4.2
NEIC XI 22 11 58 53.9–.94 14.16N–.04 92.25W–.07 17–8 4.4,4.0b
MEX XI 22 11 58 53.4–.79 14.18N 92.18W 89–12 4.4,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=19.4km az=32.0.
GCG Event type se. Error ellipse: s-maj=18.4km s-min=13.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=13.9km s-min=4.5km az=51.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.0km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=12.0km s-min=14.1km az=-1.0. Presumed earthquake.
ISC XI 24 17 53 05.4–1.8 14.60N–.08 93.28W–.04 11–12 26 1-6
GCG XI 24 17 53 07.9–1.3 14.51N 93.29W 50–90 3.9 **¶625427954**
MEX XI 24 17 53 08.3–.72 14.51N 93.30W 20–60 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=14.4km s-min=16.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=12.8km s-min=9.5km az=-1.0. Presumed earthquake.
ISC XI 22 10 16 23.7–2.0 15.43N–.06 93.29W–.07 85–32 26 1-3
MEX XI 22 10 16 25.3–.83 15.49N 93.22W 93–34 3.9 **¶625427870**
GCG XI 22 10 16 25.3–.72 15.54N 93.24W 70–14 4.1
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=17.0km s-min=29.6km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=3.9km s-min=7.4km az=-1.0. Presumed earthquake.
ISC XI 24 03 57 00.4–1.4 14.87N–.06 92.96W–.04 66–41 31 1-7
GCG XI 24 03 57 03.1–1.4 14.88N 92.85W 50–18 3.9 **¶625427946**
MEX XI 24 03 57 07.2–.98 15.09N 92.94W 22–71 4.2
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=14.7km s-min=16.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=14.4km s-min=35.7km az=-1.0. Presumed earthquake.
ISC XI 22 19 10 02.0–2.3 14.4N–.20 93.0W–.20 71–52 19 1-3
MEX XI 22 19 10 05.4–.50 14.51N 92.99W 63–36 3.7 **¶625427875**
GCG XI 22 19 10 05.5–.39 15.23N 92.42W 120–48 3.6
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=12.4km s-min=12.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=26.2km s-min=74.9km az=-1.0. Presumed earthquake.
ISC XI 28 06 48 05.4–1.5 14.79N–.07 93.15W–.04 31–14 21 1-3
MEX XI 28 06 48 11.4–.69 14.86N 92.82W 74–15 3.7 **¶625428062**
GCG XI 28 06 48 13.0–.72 14.89N 92.64W 69–9 3.4
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.3km s-min=13.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=9.8km s-min=13.4km az=-1.0. Presumed earthquake.
ISC XI 24 22 57 55.2–1.4 15.00N–.05 92.67W–.06 93–7 57 0-4
GCG XI 24 22 57 55.5–1.1 15.04N 92.63W 93–8 3.9 **¶625427955**
MEX XI 24 22 57 55.7–.63 15.05N 92.64W 103–11 4.1
CATAC XI 24 22 57 57.1–.42 15N–3.0 93W–3.0 76–5 3.9,3.9
ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 30 11 24 15.5–1.8 14.13N–.08 92.98W–.04 19–5 30 1-51
IDC XI 30 11 24 14.4–3.3 14.22N 92.98W 0 3.6b,3.3 **¶621627052**
MEX XI 30 11 24 14.9–2.0 14.02N 93.17W 14–214 4.1,3.3
GCG XI 30 11 24 27.5–.42 14.61N 92.26W 31–2 3.9,3.3
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=22.7km az=175.0.
MEX Event type se. Error ellipse: s-maj=186.7km s-min=70.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=3.5km s-min=4.2km az=-1.0. Presumed earthquake.
ISC XI 28 11 33 38.6–2.2 14.6N–.10 92.4W–.10 84–11 21 0-3
GCG XI 28 11 33 40.7–.86 14.58N 92.42W 68–11 3.3 **¶625428066**
MEX XI 28 11 33 42.7–.90 14.71N 92.42W 74–7 3.6
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=14.2km s-min=13.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.6km s-min=8.7km az=-1.0. Presumed earthquake.
ISC XI 28 11 42 46.4–2.1 14.03N–.07 93.29W–.06 7–13 26 1-4
GCG XI 28 11 42 52.3–1.4 14.14N 93.29W 19–16 4.0 **¶625428067**
MEX XI 28 11 42 53.2–.85 14.06N 93.29W 15 4.0
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=14.6km s-min=19.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.0km s-min=5.0km az=-1.0. Presumed earthquake.
ISC XI 29 22 50 16.1–2.1 14.11N–.08 92.64W–.07 29–14 4.4b,3.4s 66 1-146
IDC XI 29 22 50 10.6–2.3 13.83N 92.77W 0 4.0b,3.7 **¶621626996**
MEX XI 29 22 50 12.8–.29 13.73N 92.64W 14–122 3.9,3.7
NEIC XI 29 22 50 15.8–1.9 14.2N–.10 92.6W–.10 20–9 4.3b,3.7
GCG XI 29 22 50 22.0–.86 14.29N 92.30W 46–14 4.2,3.7
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=27.9km az=27.0.
MEX Event type se. Error ellipse: s-maj=106.4km s-min=11.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=9.9km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=16.2km s-min=18.1km az=-1.0. Presumed earthquake.
ISC XII 06 00 43 06.4–1.4 14.73N–.06 92.78W–.04 67–13 33 1-5
MEX XII 06 00 43 09.5–.66 14.80N 92.75W 62–11 4.0 **¶625428303**
GCG XII 06 00 43 15.0–.78 14.94N 92.19W 26–4 3.7,3.6L
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.2km s-min=7.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=9.1km s-min=6.5km az=-1.0. Presumed earthquake.
ISC XI 30 19 30 57.3–1.1 14.65N–.05 93.38W–.03 10 51 1-5
CATAC XI 30 19 30 59.8–.83 15N–4.0 93W–3.0 7–4 4.1,4.1 **¶625428137**
GCG XI 30 19 31 00.6–.64 14.44N 93.28W 26–9 3.9,4.1
MEX XI 30 19 31 01.4–.90 14.57N 93.37W 9–16 4.2,4.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.9km s-min=4.4km az=42.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=7.7km s-min=9.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=12.3km s-min=7.8km az=-1.0. Presumed earthquake.
ISC XII 03 23 28 31.6–3.3 14.42N–.07 93.32W–.03 17–24 58 1-8
GCG XII 03 23 28 33.1–1.4 14.40N 93.29W 20–14 4.3 **¶625428252**
MEX XII 03 23 28 34.1–1.1 14.54N 93.44W 42 4.4
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=11.9km s-min=14.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.4km s-min=7.2km az=-1.0. Presumed earthquake.
ISC XII 07 08 12 49.6–2.0 14.18N–.10 92.71W–.06 10–13 25 1-4
GCG XII 07 08 12 57.9–1.8 14.36N 92.48W 10–32 3.0 **¶625428347**
MEX XII 07 08 12 57.0–.54 14.20N 92.62W 16–102 3.8
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=16.5km s-min=11.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=90.6km s-min=11.4km az=-1.0. Presumed earthquake.
ISC XII 06 09 49 22.5–2.3 14.18N–.06 93.31W–.04 13–14 3.6b,3.2s 81 1-145
IDC XII 06 09 49 20.5–2.6 14.05N 93.18W 0 3.7b,3.7 **¶621632592**
CATAC XII 06 09 49 24.0–.82 14N–3.0 93W–3.0 12–5 4.9b,4.9b
MEX XII 06 09 49 25.7–1.1 14.31N 93.38W 10–35 4.1,4.9b
GCG XII 06 09 49 26.0–1.1 14.25N 93.18W 25–7 4.3,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=23.2km az=157.0.

CATAC Event type se. Error ellipse: s-maj=9.3km s-min=4.2km az=48.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.27 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-0.06 $M_{r\theta}$0.64 $M_{\theta\phi}$0.53 $M_{\phi r}$-1.22 NP1:ϕ_s137.56553°,δ68.74225°,λ111.63510°. NP2:ϕ_s269.99583°,δ29.96817°,λ46.53766°. Principal axes: T 2.0190,Plg60.3357°,Azm79.3528°; N -0.1934,Plg20.0968°,Azm309.3821°; P -1.8256,Plg20.8668°,Azm211.3646° $M_0$1.92963×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.18 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$0.15 $M_{r\theta}$0.85 $M_{\theta\phi}$0.59 $M_{\phi r}$-1.19 NP1:ϕ_s134.54003°,δ70.30729°,λ112.41273°. NP2:ϕ_s263.79052°,δ29.49569°,λ43.18934°. Principal axes: T 2.0156,Plg58.6206°,Azm75.7226°; N 0.0144,Plg21.0373°,Azm306.6278°; P -2.0300,Plg22.1593°,Azm207.6160° $M_0$2.02282×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.27 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-0.06 $M_{r\theta}$0.64 $M_{\theta\phi}$0.53 $M_{\phi r}$-1.22 NP1:ϕ_s137.56553°,δ68.74225°,λ111.63510°. NP2:ϕ_s269.99583°,δ29.96817°,λ46.53766°. Principal axes: T 2.0190,Plg60.3357°,Azm79.3528°; N -0.1934,Plg20.0968°,Azm309.3821°; P -1.8256,Plg20.8668°,Azm211.3646° $M_0$1.92963×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.19 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$0.15 $M_{r\theta}$0.82 $M_{\theta\phi}$0.61 $M_{\phi r}$-1.17 NP1:ϕ_s134.52891°,δ69.77550°,λ112.86661°. NP2:ϕ_s263.87098°,δ30.16263°,λ43.47350°. Principal axes: T 1.9989,Plg58.8496°,Azm76.6142°; N 0.0257,Plg21.3847°,Azm306.2341°; P -2.0247,Plg21.5258°,Azm207.3489° $M_0$2.01192×10^{15}

MEX Event type se. Error ellipse: s-maj=26.7km s-min=16.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=6.3km s-min=6.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**06 08 36 23.5–1.7**	**14.09N–.06**	**93.29W–.03**	**3–12**		**47**	**1-6**
MEX	XII	06 08 36 29.9–.85	14.15N	93.28W	12–24	4.0		**¶625428306**
GCG	XII	06 08 36 30.1–1.6	14.15N	93.19W	22–11	3.9		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=19.9km s-min=8.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=8.6km s-min=9.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**06 08 47 24.9–1.7**	**14.26N–.06**	**93.28W–.03**	**14–11**		**47**	**1-6**
GCG	XII	06 08 47 28.0–1.7	14.15N	93.20W	22–12	4.1		**¶625428307**
MEX	XII	06 08 47 28.7–.93	14.28N	93.30W	7–41	4.1		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=8.6km s-min=10.5km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=31.8km s-min=16.5km az=-1.0. Presumed earthquake.

ISC	**XII**	**07 18 11 31.2–1.5**	**14.13N–.04**	**93.14W–.03**	**6–9**	**4.6b,4.1s**	**312**	**1-145**
GCG	XII	07 18 11 31.4–1.7	13.94N	93.20W	20–18	4.8,4.7L		**¶621618755**
CATAC	XII	07 18 11 32.8–.60	14N–3.0	93W–3.0	8–3	5.4b,5.4b		
MEX	XII	07 18 11 33.8–1.0	14.14N	93.25W	7–21	4.6,5.4b		
NEIC	XII	07 18 11 33.1–2.1	14.22N–.05	93.08W–.05	10–1	4.6,4.6b		
GCMT	XII	07 18 11 38.3–.50	14.21N–.03	93.01W–.05	24–1	4.9W,4.6b		
IDC	XII	07 18 11 46.2–2.6	15.07N	92.42W	89–21	4.2,4.0s		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=14.4km s-min=20.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=8.0km s-min=3.1km az=46.2. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=20.3km s-min=6.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=7.7km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071811A. Moment Tensor Solution. s22,c22; s69,c81; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.91±.22 $M_{\theta\theta}$-1.99±.13; $M_{\phi\phi}$-0.91±.12; $M_{r\theta}$0.78±.17; $M_{\theta\phi}$0.38±.07; $M_{\phi r}$0.03±.18; Best double couple: NP1:ϕ_s290.00000°,δ37.00000°,λ96.00000°. NP2:ϕ_s103.00000°,δ53.00000°,λ85.00000°. Principal axes: T 3.0320,Plg81.0000°,Azm352.0000°; N -0.8110,Plg4.0000°,Azm106.0000°; P -2.2160,Plg8.0000°,Azm196.0000° $M_0$2.62400×10^{16}
IDC Error ellipse: s-maj=28.1km s-min=12.3km az=53.0.

ISC	**XII**	**07 18 28 01.6–1.6**	**14.11N–.05**	**93.20W–.03**	**4–10**	**4.2b**	**129**	**1-145**
IDC	XII	07 18 28 03.2–1.3	14.26N	93.16W	0	3.8b,3.8		**¶621632685**
NEIC	XII	07 18 28 03.6–2.2	14.17N–.05	93.13W–.01	10–1	4.4,4.3b		
MEX	XII	07 18 28 04.1–.51	14.03N	93.28W	11–11	4.4,4.3b		
GCG	XII	07 18 28 06.7–2.0	14.17N	92.99W	26–18	4.3,4.3b		

ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=11.9km az=23.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=2.9km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=9.4km s-min=3.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=15.3km s-min=14.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**09 16 31 25.0–1.9**	**14.27N–.06**	**93.22W–.03**	**4–11**	**3.8b**	**54**	**1-145**
GCG	XII	09 16 31 25.5–2.4	13.98N	93.23W	73–88	4.3		**¶621636582**
IDC	XII	09 16 31 25.2–1.7	14.16N	93.17W	0	3.9b,3.8		
MEX	XII	09 16 31 26.7–.91	14.15N	93.41W	15	4.2,3.8		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=23.0km s-min=21.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=24.4km s-min=13.5km az=8.0.
MEX Event type se. Error ellipse: s-maj=9.6km s-min=6.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**08 04 50 38.0–1.4**	**15.38N–.05**	**93.32W–.04**	**91–11**		**36**	**0-5**
MEX	XII	08 04 50 38.4–.87	15.38N	93.34W	98–7	4.1		**¶625428380**
GCG	XII	08 04 50 39.3–.83	15.46N	93.26W	80–14	3.9		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.9km s-min=9.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=4.7km s-min=9.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**08 07 35 46.9–.85**	**14.67N–.04**	**93.79W–.04**	**46–8**	**4.7b,4.2s**	**468**	**1-145**
CATAC	XII	08 07 35 44.5–.40	15N–2.0	94W–2.0	6–2	5.7b,5.2		**¶621620227**
GFZ	XII	08 07 35 44.9–.28	15N–4.0	94W–4.0	10	5.5L,5.4b		
GCG	XII	08 07 35 46.4–.93	14.58N	93.55W	21–83	5.0L,5.0		
NEIC	XII	08 07 35 46.9–2.7	14.77N–.05	93.71W–.01	35–1	4.8,4.7b		
MEX	XII	08 07 35 46.6–1.0	14.72N	93.72W	10	4.8,4.7b		
IDC	XII	08 07 35 49.8–2.5	14.86N	93.47W	65–21	4.4,4.3s		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.4km s-min=2.8km az=43.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.66 $M_{\theta\theta}$1.26 $M_{\phi\phi}$-4.92 $M_{r\theta}$5.06 $M_{\theta\phi}$-2.82 $M_{\phi r}$-4.27 NP1:ϕ_s160.56785°,δ72.55533°,λ52.40761°. NP2:ϕ_s49.29264°,δ40.89356°,λ152.74657°. Principal axes: T 9.4739,Plg48.2882°,Azm30.1549°; N -2.7025,Plg35.5901°,Azm173.5642°; P -6.7713,Plg18.8167°,Azm277.6791° $M_0$8.45309×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.53 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-4.88 $M_{r\theta}$4.31 $M_{\theta\phi}$-5.48 $M_{\phi r}$-3.88 NP1:ϕ_s181.71174°,δ59.85899°,λ43.63070°. NP2:ϕ_s66.13200°,δ53.36515°,λ141.26331°. Principal axes: T 10.2156,Plg50.9866°,Azm37.3184°; N -1.5186,Plg38.7511°,Azm209.4885°; P -8.6970,Plg3.8348°,Azm302.5725° $M_0$9.54734×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCG Event type se. Error ellipse: s-maj=23.4km s-min=51.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=2.9km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.9km s-min=6.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.1km s-min=11.0km az=52.0.

ISC	**XII**	**15 00 53 37.2–1.2**	**15.25N–.04**	**93.66W–.03**	**57–15**		**55**	**1-7**
GCG	XII	15 00 53 37.6–.84	15.27N	93.65W	33	3.5		**¶625428637**
CATAC	XII	15 00 53 37.7–.65	15N–3.0	94W–4.0	36–8	3.9,3.9		
MEX	XII	15 00 53 38.3–.57	15.21N	93.71W	53–14	4.2,3.9		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=5.7km s-min=2.2km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.7km s-min=4.9km az=47.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=4.6km s-min=3.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 23 58 17.5–3.3**	**14.72N–.06**	**93.90W–.03**	**17–22**	**3.7b**	**61**	**1-50**
IDC	XII	13 23 58 18.8–1.7	15.00N	93.89W	0	3.6b,3.6		**¶621650611**
GCG	XII	13 23 58 19.0–2.8	14.61N	93.93W	50–954	4.4,3.6		
MEX	XII	13 23 58 21.1–.39	14.80N	93.89W	31–9	4.4,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=12.8km az=27.0.
GCG Event type se. Error ellipse: s-maj=23.4km s-min=15.7km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 03 16 23.8–2.6**	**14.29N–.09**	**93.03W–.07**	**3–13**		**22**	**1-4**
MEX	XII	13 03 16 29.1–.42	14.43N	93.01W	3–19	3.9		**¶625428554**
GCG	XII	13 03 16 30.5–1.4	14.35N	92.72W	6–24	3.8		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=21.6km s-min=5.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=13.0km s-min=15.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 03 27 38.3–1.7**	**14.6N–.10**	**92.25W–.08**	**86–9**		**27**	**0-5**
MEX	XII	13 03 27 40.9–.55	14.70N	92.30W	84–5	3.7		**¶625428555**
GCG	XII	13 03 27 41.3–.90	14.78N	92.23W	73–8	3.0		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=8.3km s-min=6.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=28.3km s-min=11.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 03 33 53.1–2.2**	**14.1N–.10**	**93.13W–.06**	**22–8**		**27**	**1-4**
MEX	XII	13 03 33 55.5–.80	14.18N	93.13W	5–80	3.9		**¶625428556**
GCG	XII	13 03 33 56.8–1.7	14.17N	92.97W	17–20	4.2		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=70.6km s-min=23.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=15.7km s-min=17.7km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 04 00 50.6–2.5**	**14.0N–.10**	**93.49W–.07**	**34–3**		**24**	**1-4**
MEX	XII	13 04 00 59.6–.82	14.17N	93.10W	15–68	3.9		**¶625428557**
GCG	XII	13 04 01 11.1–.55	14.71N	92.21W	31–3	3.6		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=61.9km s-min=18.3km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=8.7km s-min=7.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 04 10 47.1–4.3**	**14.1N–.10**	**93.07W–.08**	**18–23**		**24**	**1-4**
GCG	XII	13 04 10 49.9–1.1	14.01N	92.92W	17–14	3.7		**¶625428558**
MEX	XII	13 04 10 49.3–.65	13.98N	93.09W	16–84	3.9		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=13.0km s-min=12.6km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=15.1km s-min=16.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**16 00 59 39.4–.43**	**15.20N–.04**	**93.04W–.03**	**93–3**	**4.7b**	**488**	**1-145**
GCG	XII	16 00 59 38.7–1.2	15.22N	93.12W	90–15	4.9L,4.7		**¶621630894**
IDC	XII	16 00 59 40.9–.98	15.50N	92.55W	95–7	4.4,4.0b		
MEX	XII	16 00 59 40.4–.65	15.12N	93.12W	83–4	4.8,4.0b		
NEIC	XII	16 00 59 40.4–1.8	15.29N–.06	92.97W–.06	89–5	4.8,4.8b		
CATAC	XII	16 00 59 41.7–.33	15N–3.0	93W–3.0	51–5	5.4b,5.2b		
GFZ	XII	16 00 59 43.1–.51	15N–5.0	93W–4.0	98–6	5.4b,5.3L		

ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**16 04 48 11.1–.65**	**14.66N–.04**	**92.44W–.03**	**80–6**	**4.2b**	**287**	**0-145**
GCG	XII	16 04 48 09.9–.89	14.66N	92.48W	80–8	4.4		**¶621630958**
IDC	XII	16 04 48 09.6–1.6	14.65N	92.43W	67–15	4.1,3.8b		
MEX	XII	16 04 48 11.4–.61	14.71N	92.38W	87–4	4.7,3.8b		
CATAC	XII	16 04 48 11.1–.40	15N–5.0	92W–4.0	64–5	4.7b,4.5		
NEIC	XII	16 04 48 11.4–1.9	14.70N–.07	92.38W–.06	79–7	4.7,4.2b		

ISC Event type se.
GCG Event type se. Presumed earthquake.
MEX Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**17 18 17 33.4–1.1**	**14.09N–.08**	**93.84W–.03**	**10**	**3.4b**	**57**	**2-145**
GCG	XII	17 18 17 32.9–1.8	14.01N	94.01W	37–999	4.4		**¶621656942**
IDC	XII	17 18 17 34.6–1.8	14.28N	93.72W	0	3.3b,3.3		
MEX	XII	17 18 17 36.1–.65	14.13N	93.77W	9–59	4.0,3.3		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=26.6km s-min=14.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=27.2km s-min=14.9km az=11.0.
MEX Event type se. Error ellipse: s-maj=35.2km s-min=33.5km az=-1.0. Presumed earthquake.

ISC	**XII**	**17 01 09 28.4–2.1**	**14.8N–.20**	**92.1W–.10**	**88–12**		**15**	**0-4**
GCG	XII	17 01 09 29.5–1.1	14.93N	92.12W	78–20	3.6,3.2W		**¶625428723**
MEX	XII	17 01 09 29.3–.51	14.55N	92.32W	81–9	3.9,3.2W		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=45.4km s-min=20.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.3km s-min=7.5km az=-1.0. Presumed earthquake.

ISC	**XII**	**18 16 29 19.5–1.7**	**14.29N–.09**	**92.97W–.04**	**51**		**25**	**1-4**
MEX	XII	18 16 29 23.4–.79	14.49N	92.99W	11–20	4.1		**¶625428788**
GCG	XII	18 16 29 24.0–.70	14.61N	92.76W	59–14	3.3		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=15.2km s-min=10.3km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=11.7km s-min=13.7km az=-1.0. Presumed earthquake.

ISC	**XII**	**20 05 15 02.4–1.2**	**15.16N–.05**	**93.66W–.04**	**46–16**		**50**	**1-50**
GCG	XII	20 05 15 01.7–1.2	15.12N	93.66W	27–999	4.4		**¶621685586**
CATAC	XII	20 05 15 03.7–.56	15N–3.0	94W–3.0	30–5	4.0,4.0		
IDC	XII	20 05 15 03.4–3.3	15.34N	93.60W	35–31	3.3b,3.3		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=10.3km s-min=6.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=7.7km s-min=3.7km az=50.4. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=32.4km s-min=13.3km az=24.0.

ISC	**XII**	**19 21 15 26.9–2.7**	**14.47N–.10**	**92.6W–.10**	**17–11**		**16**	**1-3**
MEX	XII	19 21 15 28.5–1.0	14.58N	92.73W	41–101	3.8		**¶625428818**
GCG	XII	19 21 15 30.8–1.1	14.51N	92.35W	25–8	3.7		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=26.6km s-min=20.0km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=15.4km s-min=11.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**19 21 47 08.2–1.3**	**14.72N–.05**	**92.88W–.04**	**69–11**		**51**	**1-5**
CATAC	XII	19 21 47 09.3–.70	15N–4.0	93W–4.0	35–7	3.5,3.5		**¶625428819**
GCG	XII	19 21 47 09.8–1.3	14.73N	92.84W	56–23	4.0,3.5		
MEX	XII	19 21 47 12.1–.89	14.89N	92.80W	64–7	4.0,3.5		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.8km s-min=4.1km az=38.5. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=17.3km s-min=20.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=6.4km s-min=5.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**23 06 13 39.8–1.9**	**14.41N–.06**	**93.14W–.04**	**13–11**		**32**	**1-5**
MEX	XII	23 06 13 44.0–.46	14.44N	93.18W	63–36	4.0		**¶625428942**
GCG	XII	23 06 13 45.1–1.3	14.37N	93.00W	50–13	4.3		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=12.1km s-min=8.6km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=13.6km s-min=15.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**25 01 43 53.6–2.0**	**14.85N–.08**	**92.59W–.07**	**109–11**		**26**	**0-4**
MEX	XII	25 01 43 56.9–.56	14.89N	92.62W	95–7	3.9		**¶625428967**
GCG	XII	25 01 43 57.3–.70	14.98N	92.52W	89–14	3.7		

ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.8km s-min=5.7km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=8.8km s-min=14.7km az=-1.0. Presumed earthquake.

ISC	**XII**	**23 17 19 27.0–2.9**	**14.3N–.30**	**92.2W–.20**	**73–43**		**13**	**1-2**
GCG	XII	23 17 19 30.6–.40	14.61N	92.13W	69–12	3.2		**¶625428945**
MEX	XII	23 17 19 31.4–.38	14.35N	92.33W	32–27	3.6		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=19.2km s-min=10.2km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=7.5km s-min=9.4km az=-1.0. Presumed earthquake.

ISC	**XII**	**26 02 26 54.8–1.6**	**14.29N–.05**	**93.33W–.03**	**7–10**	**4.2b**	**172**	**1-62**
GCG	XII	26 02 26 57.8–1.4	14.23N	93.37W	48–15	4.4		**¶621653494**
CATAC	XII	26 02 26 57.2–.86	14N–3.0	93W–4.0	17–7	4.8b,4.5		
NEIC	XII	26 02 26 58.0–2.2	14.32N–.08	93.36W–.06	10–2	4.3,4.0b		
MEX	XII	26 02 26 59.3–.58	14.31N	93.37W	20–23	4.3,4.0b		
IDC	XII	26 02 27 00.1–1.8	14.85N	93.47W	0	3.9b,3.8		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=9.9km s-min=6.9km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.8km s-min=4.2km az=48.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.8km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=5.2km s-min=5.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=26.9km s-min=15.3km az=36.0.
MEX XII 25 04 17 52.2–.59 14.82N 92.13W 102–3 3.9
GCG XII 25 04 17 22.9–17 13.52N 94.47W 6–999 3.8 **¶625715282**
MEX Event type se. Error ellipse: s-maj=6.5km s-min=4.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ISC XII 28 04 56 20.7–.87 14.78N–.05 92.20W–.03 103–6 103 0-50
GCG XII 28 04 56 20.1–1.4 14.79N 92.18W 100–8 4.5L,4.2 **¶621717366**
CATAC XII 28 04 56 21.6–.47 15N–4.0 92W–3.0 88–4 3.8,3.8
MEX XII 28 04 56 21.2–.62 14.79N 92.18W 105–5 4.4,3.8
IDC XII 28 04 56 21.5–2.4 14.95N 92.10W 89–19 3.6,3.3b
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=6.5km s-min=6.2km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.8km s-min=3.6km az=38.2. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MEX Event type se. Error ellipse: s-maj=8.5km s-min=6.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=27.5km s-min=14.7km az=11.0.
ISC XII 26 06 08 60.0–1.7 14.75N–.07 92.72W–.06 92–13 26 0-4
GCG XII 26 06 09 04.4–1.0 14.94N 92.59W 70–15 3.8 **¶625428994**
MEX XII 26 06 09 04.5–1.2 14.88N 92.75W 73–10 3.9
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=12.4km s-min=20.9km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=8.9km s-min=7.8km az=-1.0. Presumed earthquake.
ISC XII 27 21 06 01.0–2.0 14.9N–.10 92.7W–.10 93–13 18 0-3
MEX XII 27 21 06 04.4–.43 14.92N 92.75W 79–6 3.9 **¶625429019**
GCG XII 27 21 06 04.2–.32 15.13N 92.58W 73–10 3.0
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=6.2km s-min=5.6km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=22.5km s-min=12.4km az=-1.0. Presumed earthquake.
ISC XII 26 23 26 35.9–1.5 14.57N–.07 92.80W–.05 30–14 23 1-4
MEX XII 26 23 26 40.6–1.1 14.72N 92.68W 71–12 3.9 **¶625428996**
GCG XII 26 23 26 42.4–.55 14.79N 92.49W 50–7 3.2
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=14.7km s-min=11.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=9.3km s-min=13.6km az=-1.0. Presumed earthquake.

(70) Guatemala.

GCG VII 12 08 31 45.7–.59 14.51N 90.56W 6–14 1.2
¶626018077
GCG Event type se. Error ellipse: s-maj=148.9km s-min=39.4km az=-1.0. Presumed earthquake.
ISC VII 16 20 59 49.4–.95 14.80N–.02 89.61W–.02 8–9 61 0-2
CATAC VII 16 20 59 49.6–.47 15N–2.0 90W–2.0 1 3.2,3.2 **¶625366272**
GCG VII 16 20 59 49.0–1.7 14.80N 89.59W 7–9 3.3,3.2
SNET VII 16 20 59 49.5 14.8N–.70 89.6W–.70 13–3 3.4,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 18 09 51 40.0–1.4 14.1N–.10 91.24W–.05 72–10 50 0-3
CATAC VII 18 09 51 38.8–.78 14N–5.0 91W–3.0 29–5 3.5,3.5 **¶625366486**
SNET VII 18 09 51 39.9 14N–5.0 91W–5.0 67–3 3.3,3.3
GCG VII 18 09 51 39.1–1.4 14.13N 91.25W 65–14 4.0L,3.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.9km s-min=3.4km az=21.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=14.0km s-min=5.9km az=-1.0. Presumed earthquake.
ISC VII 28 21 18 25.5–.96 14.41N–.05 90.35W–.04 12–8 13 0-1
GCG VII 28 21 18 24.7–1.1 14.42N 90.33W 2–4 3.5 **¶625367258**
SNET VII 28 21 18 31.3 14.40N 89.98W 5 2.7,2.6
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=2.8km s-min=2.4km az=-1.0. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 29 04 22 01.5–2.9 14.9N–.20 92.0W–.20 121–17 19 0-1
GCG VII 29 04 22 05.2–.41 14.89N 92.11W 98–3 3.3 **¶624748268**
MEX VII 29 04 22 05.3–.71 14.78N 92.21W 108–5 3.8
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=10.7km s-min=6.3km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=11.1km s-min=8.0km az=-1.0. Presumed earthquake.
ISC VII 30 12 36 42.8–1.1 14.10N–.06 90.22W–.04 12–9 19 0-1
GCG VII 30 12 36 42.3–.88 14.15N 90.20W 15–5 3.1 **¶625367449**
SNET VII 30 12 36 42.6 14N–2.0 90W–2.0 13–8 3.3L,3.3
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 29 11 22 50.8–.96 14.40N–.03 90.33W–.04 11–9 23 0-2
GCG VII 29 11 22 49.9–2.3 14.39N 90.35W 1–8 3.5 **¶625367408**
SNET VII 29 11 22 55.9 14N–5.0 90W–5.0 1–7 2.6,2.6
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 29 11 59 45.3–2.8 14.6N–.30 91.8W–.20 89–19 16 0-2
GCG VII 29 11 59 47.6–.41 14.67N 91.81W 77–5 3.1 **¶624748285**
MEX VII 29 11 59 48.6–1.1 14.36N 92.15W 57–34 3.6
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=10.4km s-min=11.4km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=21.7km s-min=17.0km az=-1.0. Presumed earthquake.
ISC VII 29 02 40 12.1–.95 14.41N–.02 90.31W–.02 7–9 55 0-2
GCG VII 29 02 40 10.7–2.3 14.39N 90.35W 1–7 3.8 **¶625367422**
SNET VII 29 02 40 12.9 14N–1.0 90W–1.0 6–5 3.2,3.1
CATAC VII 29 02 40 12.1–.26 14N–1.0 90W–1.0 2–1 3.2,3.2
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 31 04 20 48.6–1.5 14.1N–.20 91.4W–.10 82–12 23 0-2
CATAC VII 31 04 20 49.1–.87 14N–8.0 91W–4.0 36–9 3.5,3.5 **¶626018199**
GCG VII 31 04 20 49.2–1.4 14.14N 91.42W 58–13 3.8,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=18.2km s-min=3.3km az=27.0. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=12.4km s-min=8.1km az=-1.0. Presumed earthquake.
ISC VIII 01 18 00 00.7–1.4 14.05N–.08 91.46W–.04 70–9 66 0-3
SNET VIII 01 18 00 00.1 14N–2.0 91W–2.0 15–3 4.0,4.0 **¶625367633**
CATAC VIII 01 18 00 00.8–.49 14N–4.0 91W–2.0 35–5 4.0,4.0
GCG VIII 01 18 00 01.0–1.2 14.14N 91.40W 56–10 4.5,4.3L
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. Error ellipse: s-maj=9.2km s-min=3.2km az=26.0. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=7.6km s-min=4.1km az=-1.0. Presumed earthquake.
ISC VIII 13 19 52 22.9–1.1 14.13N–.06 91.32W–.03 74–6 116 0-24
NEIC VIII 13 19 52 23.4–1.7 14.2N–.10 91.19W–.10 108–16 4.1b **¶625368439**
CATAC VIII 13 19 52 23.8–.45 14N–3.0 91W–2.0 28–3 4.8b,4.7b
GCG VIII 13 19 52 23.5–1.4 14.12N 91.33W 65–9 4.5,4.4L
SNET VIII 13 19 52 24.1 14N–7.0 91W–7.0 71–8 5.7b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor:
Scale 10^{15}Nm; M_{rr}-0.26 $M_{\theta\theta}$-1.96 $M_{\phi\phi}$2.22 $M_{r\theta}$-7.84 $M_{\theta\phi}$1.74 $M_{\phi r}$4.05 NP1:ϕ_s60.76075°
,δ6.65024°,λ31.31032°. NP2:ϕ_p299.62190°,δ86.54972°,λ95.68862°. Principal axes:
T 7.5602,Plg48.1509°,Azm215.6523°; N 2.7334,Plg5.6783°,Azm119.2784°
; P -10.2937,Plg41.2841°,Azm24.2700° $M_0$9.23548×10^{15}
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 15 00 09 47.3–4.3 14.1N–.40 92.0W–.20 84–29 14 1-1
GCG VIII 15 00 09 51.8–.70 14.45N 91.88W 69–17 3.7 **¶624840730**
MEX VIII 15 00 09 52.1–.34 14.15N 92.06W 8–11 3.7
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=23.6km s-min=9.0km az=-1.0. Presumed earthquake.
MEX Event type se. Error ellipse: s-maj=9.0km s-min=6.4km az=-1.0. Presumed earthquake.
ISC VIII 15 10 59 50.9–1.4 14.08N–.10 91.35W–.05 58–11 49 0-7
SNET VIII 15 10 59 49.5–2.5 14N–30 91W–10 25–27 3.8,3.6 **¶625368650**
CATAC VIII 15 10 59 49.5–.75 14N–6.0 91W–3.0 23–4 4.7b,4.0
GCG VIII 15 10 59 49.8–1.1 14.06N 91.41W 48–14 4.0,4.0
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=14.4km s-min=3.3km az=23.6. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=8.5km s-min=4.4km az=-1.0. Presumed earthquake.
ISC VIII 20 23 16 31.8–.98 14.01N–.06 91.80W–.04 63–8 4.0b 158 1-146
CATAC VIII 20 23 16 32.3–.45 14N–4.0 92W–3.0 40–6 4.4,4.4 **¶625369157**
SNET VIII 20 23 16 33.0–1.2 14N–7.0 92W–10 10 4.4,4.4
GCG VIII 20 23 16 32.1–1.5 14.00N 91.76W 41–44 4.5L,4.4
NEIC VIII 20 23 16 33.8–1.2 14.05N–.08 91.66W–.08 75–11 4.0b,4.4
IDC VIII 20 23 16 35.0–2.2 14.05N 91.69W 88–16 3.9,3.6b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.0km s-min=3.1km az=31.5. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=9.6km s-min=4.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=7.9km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=16.5km az=32.0.
ISC IX 22 22 18 33.4–1.4 14.06N–.08 90.72W–.05 83–9 124 0-7
CATAC IX 22 22 18 28.3–.49 14N–7.0 91W–3.0 1 3.8,3.8 **¶625372289**
SNET IX 22 22 18 28.8 14N–3.0 91W–3.0 97–2 4.0,4.0
GCG IX 22 22 18 30.9–.80 14.05N 90.70W 93–8 4.2L,4.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=15.6km s-min=3.0km az=25.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.0km s-min=4.4km az=-1.0. Presumed earthquake.
ISC IX 01 10 11 58.3–1.6 14.40N–.08 90.31W–.05 220–8 102 0-7
CATAC IX 01 10 11 55.8–.42 14N–8.0 90W–4.0 232–3 3.4,3.4 **¶625369933**
GCG IX 01 10 11 56.2–.45 14.34N 90.28W 226–7 3.6,3.4
SNET IX 01 10 11 56.1 14N–2.0 90W–2.0 234–1 2.8,2.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 18 20 36 30.5–.97 14.04N–.02 90.01W–.02 9–9 117 0-6
GCG IX 18 20 36 26.6–3.3 13.89N 90.10W 1–17 4.2,3.4L **¶625371980**
CATAC IX 18 20 36 28.3–.81 14N–3.0 90W–4.0 1 3.2,3.2
SNET IX 18 20 36 29.0 14N–1.0 90W–1.0 7–3 3.4,3.3
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
ISC IX 19 22 08 51.6–.90 14.18N–.07 91.44W–.04 53–7 5.0b 148 0-149
GCG IX 19 22 08 51.3–.86 14.13N 91.45W 47–9 4.6,4.5L **¶625372119**
CATAC IX 19 22 08 51.6–.88 14N–10 91W–5.0 38–23 4.2,4.2
NEIC IX 19 22 08 53.4–1.2 14.28N–.10 91.29W–.07 59–8 5.0b,4.2
SNET IX 19 22 08 54.6 14N–6.0 91W–6.0 90–4 4.1L,4.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 21 05 17 52.1–1.7 14.16N–.07 89.89W–.04 169–9 61 0-4
SNET VIII 21 05 17 48.4 14N–4.0 90W–4.0 188–2 2.8,2.8 **¶625369274**
GCG VIII 21 05 17 49.8–.90 14.08N 89.89W 178–6 4.3,2.8
CATAC VIII 21 05 17 51.7–.50 14N–6.0 90W–3.0 164–4 3.0,3.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 12 01 02 45.8–2.8 14.9N–.20 92.0W–.20 112–17 16 0-1
MEX IX 12 01 02 49.3–.40 14.78N 92.19W 101–8 3.7 **¶625423579**
GCG IX 12 01 02 49.9–.65 14.99N 92.09W 87–8 2.9
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=16.1km s-min=12.9km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=25.7km s-min=9.0km az=-1.0. Presumed earthquake.
ISC IX 18 13 21 31.4–.91 14.04N–.02 90.00W–.02 8–8 183 0-6
GCG IX 18 13 21 29.8–2.1 14.05N 90.01W 1–8 4.4,3.7L **¶625372048**
CATAC IX 18 13 21 30.5–.34 14N–2.0 90W–2.0 3–1 3.6,3.6
SNET IX 18 13 21 30.4 14.0N–.80 90.0W–.80 11–1 3.5,3.5
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
ISC IX 19 01 46 08.2–.94 14.05N–.03 90.03W–.03 16–7 111 0-6
SNET IX 19 01 46 05.2 14N–2.0 90W–2.0 4–1 2.8,2.6 **¶625372148**
CATAC IX 19 01 46 08.3–.32 14N–2.0 90W–1.0 2–1 3.0,3.0
ISC Event type se.
SNET Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/MODELO_Guat.STF_1990. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 20 11 40 21.2–2.4 14.07N–.09 91.40W–.08 4–12 26 0-2
GCG IX 20 11 40 22.9–.91 14.12N 91.46W 50–10 3.9 **¶625372164**
SNET IX 20 11 40 24.3 14N–5.0 91W–5.0 11–5 3.4,3.4
ISC Event type se.
GCG Event type se. Presumed earthquake.

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 02 16 30 01.5–1.9 14.1N–.10 91.51W–.08 52–19 37 0-2
GCG X 02 16 30 00.8–.86 14.09N 91.52W 45–14 3.6 **¶625375361**
SNET X 02 16 30 03.1 14N–4.0 91W–4.0 88–4 3.6,3.6
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG X 03 11 31 58.6–.87 14.18N 89.58W 44–851 3.3
¶626018656
GCG Event type se. Error ellipse: s-maj=318.5km s-min=54.6km az=-1.0. Presumed earthquake.
GCG X 13 06 43 44.9–.35 14.35N 91.69W 66–27 3.1
¶635730812
GCG Event type se. Error ellipse: s-maj=37.5km s-min=18.3km az=-1.0. Presumed earthquake.
ISC X 03 13 42 45.1–1.6 14.78N–.09 91.68W–.06 171–10 38 0-4
GCG X 03 13 42 45.4–.81 14.91N 91.49W 164–7 4.1,3.5L **¶625375447**
SNET X 03 13 42 46.1–1.5 15N–13 92W–15 10 3.8,3.8
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG X 16 13 39 31.1–.79 16.21N 89.81W 36–999 3.6
¶626018778
GCG Event type se. Error ellipse: s-maj=43.0km s-min=34.0km az=-1.0. Presumed earthquake.
ISC X 20 00 36 35.2–1.0 14.01N–.04 90.01W–.03 10–8 32 0-1
GCG X 20 00 36 34.1–1.5 14.02N 90.05W 6–12 3.5 **¶625379738**
SNET X 20 00 36 34.6 14.0N–.90 90.0W–.90 6–1 2.8,2.6
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 17 12 00 45.3–1.1 14.02N–.04 90.04W–.05 10 31 0-1
SNET X 17 12 00 44.8 14N–3.0 90W–3.0 6–3 2.8L,2.7 **¶626018783**
GCG X 17 12 00 44.7–.69 13.99N 90.03W 10–6 3.5,2.7
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=7.4km s-min=4.1km az=-1.0. Presumed earthquake.
ISC X 21 15 25 11.1–.87 14.08N–.03 90.07W–.02 16–7 119 0-9
GCG X 21 15 25 10.4–1.5 14.09N 90.08W 11–6 4.0 **¶625379751**
SNET X 21 15 25 11.0 14.1N–1.0 90.1W–1.0 5–1 3.3,3.3
CATAC X 21 15 25 12.5–.30 14N–2.0 90W–2.0 1 3.2,3.2
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 28 08 13 09.3–.83 14.07N–.03 90.02W–.02 9–5 136 0-3
SNET X 28 08 13 08.3 14N–2.0 90W–2.0 6–2 3.2,3.2 **¶625380403**
GCG X 28 08 13 08.5–1.3 14.03N 90.05W 10 4.1L,3.4
CATAC X 28 08 13 09.1–.78 14N–3.0 90W–4.0 6–3 3.0,3.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Presumed earthquake. Moment Tensor Solution. NP1:ϕs92.00000° ,δ58.00000°,λ-143.00000°.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 26 11 56 57.3–1.1 14.02N–.03 90.06W–.03 5–11 69 0-2
SNET X 26 11 56 56.4 14.0N–.70 90.1W–.70 8–0 3.0,3.0 **¶625380164**
GCG X 26 11 56 56.0–1.0 14.00N 90.06W 11–5 3.4,3.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=-1.0. Presumed earthquake.
ISC X 24 14 01 24.1–1.2 14.04N–.04 90.03W–.04 14–9 51 0-2
SNET X 24 14 01 22.9 14N–2.0 90W–2.0 5–3 3.1,3.1 **¶625379940**
GCG X 24 14 01 24.1–1.4 14.08N 90.07W 8–8 3.7,3.1
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Error ellipse: s-maj=8.3km s-min=3.6km az=-1.0. Presumed earthquake.
ISC X 26 10 03 46.1–.97 14.01N–.03 90.04W–.03 16–7 80 0-3
GCG X 26 10 03 45.8–.68 14.04N 90.06W 12–3 3.6 **¶625380174**
SNET X 26 10 03 45.6 14N–2.0 90W–2.0 5–3 3.3,3.2
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
ISC X 29 11 42 30.9–1.1 14.01N–.03 90.03W–.04 15–8 64 0-2
SNET X 29 11 42 30.5 14N–1.0 90W–1.0 4–1 3.0,3.0 **¶625380583**
GCG X 29 11 42 30.3–1.2 14.02N 90.05W 10–9 4.1W,3.7
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=8.0km s-min=4.1km az=-1.0. Presumed earthquake.
ISC X 29 11 52 37.4–1.1 14.03N–.03 90.05W–.02 6–9 130 0-6
SNET X 29 11 52 36.3 14.0N–.50 90.0W–.50 1–1 3.3,3.3 **¶625380571**
GCG X 29 11 52 37.3–.86 14.01N 90.08W 14–999 3.8,3.8W
CATAC X 29 11 52 39.3–.37 14N–3.0 90W–2.0 2–1 3.2,3.2
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 29 17 35 08.6–.91 14.06N–.02 90.03W–.02 14–7 136 0-6
GCG X 29 17 35 07.8–1.3 14.03N 90.05W 6–18 3.8 **¶625380498**
SNET X 29 17 35 07.5 14.1N–.30 90.1W–.30 6–0 3.7,3.6
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 29 17 57 36.5–1.1 14.06N–.04 89.99W–.04 10–10 38 0-2
SNET X 29 17 57 35.5 14N–2.0 90W–2.0 6–3 3.8,3.5 **¶625380494**
GCG X 29 17 57 35.0–1.1 14.02N 90.06W 4–18 3.4,3.5
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=6.1km s-min=4.2km az=-1.0. Presumed earthquake.
ISC X 30 23 47 20.5–.93 14.06N–.03 89.98W–.03 12–7 106 0-3
CATAC X 30 23 47 20.1–.39 14N–3.0 90W–3.0 1–1 3.3,3.3 **¶625380673**
SNET X 30 23 47 20.1 14.0N–.80 90.0W–.80 2–1 3.3,3.2
GCG X 30 23 47 20.6–1.0 14.14N 90.05W 9–7 3.6,3.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.5km s-min=3.4km az=40.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.5km s-min=3.2km az=-1.0. Presumed earthquake.
ISC X 30 19 34 30.3–1.1 14.01N–.03 90.01W–.02 7–9 143 0-3
CATAC X 30 19 34 30.7–.38 14N–2.0 90W–2.0 2–1 3.4,3.4 **¶625380740**
GCG X 30 19 34 30.5–1.0 14.10N 90.03W 13–5 3.6L,3.4
SNET X 30 19 34 31.1 14.0N–.60 90.0W–.60 1–0 3.4,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 29 20 31 40.8–1.1 14.05N–.03 90.03W–.02 4–9 137 0-3
GCG X 29 20 31 39.7–1.9 14.04N 90.02W 3–9 3.5 **¶625380472**
SNET X 29 20 31 40.9 14N–2.0 90W–2.0 2–2 3.8,3.7
CATAC X 29 20 31 41.4–.65 14N–3.0 90W–4.0 5 3.6,3.6
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 29 21 21 35.0–1.0 14.06N–.03 90.00W–.03 10–8 122 0-2
GCG X 29 21 21 33.3–.86 14.06N 90.02W 4–23 3.7,3.1L **¶625380468**
CATAC X 29 21 21 33.9–.95 14N–3.0 90W–6.0 2–3 3.4,3.4
SNET X 29 21 21 34.0 14.0N–.60 90.0W–.60 6–0 3.7,3.6
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 29 21 50 22.8–.76 14.07N–.02 90.01W–.02 10 170 0-6
SNET X 29 21 50 20.9 14.0N–.70 90.0W–.70 2–1 3.9,3.9 **¶625380443**
GCG X 29 21 50 20.9–1.5 14.06N 90.05W 5–2 4.1,4.0L
CATAC X 29 21 50 21.2–.37 14N–2.0 90W–2.0 2–1 4.0,4.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake. Moment Tensor Solution. NP1:ϕs88.00000° ,δ38.00000°,λ-167.00000°.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 30 08 29 09.2–1.7 14.02N–.07 90.12W–.07 35 23 0-2
SNET X 30 08 29 09.8 14N–6.0 90W–6.0 9–5 2.6,2.6 **¶625380756**
GCG X 30 08 29 10.0–1.3 14.10N 90.05W 13–36 3.6,2.6
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=18.2km s-min=4.8km az=-1.0. Presumed earthquake.
ISC X 31 00 07 20.7–1.1 14.08N–.03 90.01W–.02 6–10 128 0-3
CATAC X 31 00 07 19.8 14N–2.0 90W–2.0 3–1 3.5,3.5 **¶625380850**
SNET X 31 00 07 19.6 14.1N–.60 90.0W–.60 6–2 3.7,3.5
GCG X 31 00 07 20.3–.65 14.11N 90.04W 10–4 3.6,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0. Presumed earthquake.
ISC X 30 20 58 56.8–.94 14.08N–.03 90.03W–.03 14–8 68 0-2
SNET X 30 20 58 56.4–.50 14N–4.0 90W–4.0 10 3.5,3.5 **¶625380689**
GCG X 30 20 58 56.5–1.1 14.10N 90.05W 10–9 3.7,3.5
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=7.5km s-min=4.2km az=-1.0. Presumed earthquake.
ISC X 31 00 39 56.1–.82 14.11N–.02 89.96W–.02 14–5 3.8b 242 0-64
IDC X 31 00 39 50.4–12 13.95N 89.49W 0 3.4b,3.4 **¶621395209**
SNET X 31 00 39 54.6 14.0N–.40 90.1W–.40 4–0 4.0,4.0
GCG X 31 00 39 55.5–.87 14.08N 90.04W 12–3 4.0,4.0
CATAC X 31 00 39 56.4–.29 14N–3.0 90W–2.0 2–1 4.0,4.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG XI 03 01 51 27.8–.28 14.02N 90.04W 0–3 1.8
¶635690558
GCG Event type se. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. Presumed earthquake.
GCG X 31 05 27 12.6–.44 14.01N 90.03W 1–4 1.3
¶626019067
GCG Event type se. Error ellipse: s-maj=2.6km s-min=2.5km az=-1.0. Presumed earthquake.
ISC X 31 10 37 55.6–1.1 14.07N–.04 90.01W–.04 10 34 0-2
GCG X 31 10 37 55.0–.57 13.99N 90.04W 10–6 3.5 **¶625380840**
SNET X 31 10 37 55.9 14N–4.0 90W–4.0 1–3 2.8,2.8
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG X 31 06 42 58.3–.28 14.02N 90.04W 1–2 1.0
¶626019194
GCG Event type se. Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0. Presumed earthquake.
ISC XI 04 05 07 41.6–.93 14.05N–.04 90.08W–.04 6–5 56 0-2
GCG XI 04 05 07 41.3–1.4 14.05N 90.09W 3–4 3.0 **¶635690632**
SNET XI 04 05 07 43.5 14N–2.0 90W–2.0 3–1 3.2,2.8
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG XI 03 13 21 13.6–.32 14.03N 90.06W 0–2 2.2
¶626019919
GCG Event type se. Error ellipse: s-maj=1.3km s-min=0.4km az=-1.0. Presumed earthquake.
GCG XI 04 17 45 55.6–.32 14.05N 90.07W 2–3 2.0
¶626020020
GCG Event type se. Error ellipse: s-maj=1.9km s-min=1.1km az=-1.0. Presumed earthquake.
ISC XI 04 14 49 15.0–.93 14.03N–.03 90.07W–.03 2–7 109 0-2
GCG XI 04 14 49 14.1–.98 14.04N 90.08W 2–2 3.7L,3.5 **¶635690571**
SNET XI 04 14 49 15.7 14N–1.0 90W–1.0 11–2 3.4,3.4
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 04 06 36 40.9–3.2 14.07N–.05 90.1W–.10 1–12 41 0-5
GCG XI 04 06 36 41.1–.65 14.03N 90.08W 1–6 3.8L **¶635690602**
SNET XI 04 06 36 49.3 14N–6.0 90W–6.0 8–6 3.3,2.9
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
SNET XI 04 12 00 54.0 14N–3.0 90W–3.0 8–2 3.1,2.9
GCG XI 04 12 00 54.6–1.3 14.10N 90.09W 9–6 4.0,2.9 **¶635690585**
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=4.8km s-min=3.8km az=-1.0. Presumed earthquake.
ISC XI 05 16 59 13.0–.90 14.01N–.03 90.02W–.02 3–6 131 0-3
CATAC XI 05 16 59 11.6–.86 14N–3.0 90W–4.0 1 3.5,3.5 **¶626020118**
GCG XI 05 16 59 12.4–1.4 14.06N 90.05W 4–7 3.7L,3.7
SNET XI 05 16 59 13.2 14N–2.0 90W–2.0 6–2 3.4,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG XI 08 18 10 07.2–.33 14.01N 90.04W 0–2 2.0
¶626020512
GCG Event type se. Error ellipse: s-maj=1.7km s-min=2.2km az=-1.0. Presumed earthquake.
GCG XI 07 09 48 54.3–.29 14.01N 90.04W 0–18 2.0
¶626020354
GCG Event type se. Error ellipse: s-maj=10.4km s-min=17.6km az=-1.0. Presumed earthquake.

GCG XI 07 10 14 03.7–.29 14.01N 90.04W 1–4 2.0
¶626020359
GCG Event type se. Error ellipse: s-maj=3.1km s-min=5.2km az=-1.0. Presumed earthquake.
GCG XI 07 15 35 45.2–.36 14.03N 90.05W 1–22 2.8,2.2L
¶626020385
GCG Event type se. Error ellipse: s-maj=3.4km s-min=0.9km az=-1.0. Presumed earthquake.
GCG XI 09 01 18 28.0–.32 14.02N 90.03W 0–3 1.4
¶626020527
GCG Event type se. Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0. Presumed earthquake.
ISC XII 09 21 33 01.7–1.5 14.12N–.07 91.06W–.04 94–8 92 0-3
CATAC XII 09 21 32 58.9–.74 14N–6.0 91W–5.0 26–10 4.3,4.3 **¶625355748**
GCG XII 09 21 33 00.8–1.2 14.16N 91.05W 90–7 4.2L,3.9
SNET XII 09 21 33 01.0–.56 14N–6.0 91W–5.0 83–8 5.9b,5.9b
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG XI 09 08 35 30.2–.30 14.03N 90.04W 0–5 1.2
¶626020583
GCG Event type se. Error ellipse: s-maj=1.7km s-min=0.7km az=-1.0. Presumed earthquake.
GCG XI 13 07 18 35.5–3.3 14.01N 90.05W 25–999 1.4
¶635837337
GCG Event type se. Error ellipse: s-maj=999.9km s-min=931.3km az=-1.0. Presumed earthquake.
ISC XI 18 17 00 25.2–.41 14.12N–.04 90.19W–.03 154–3 4.6b 309 0-147
NEIC XI 18 17 00 26.0–2.4 14.17N–.09 90.16W–.08 150–6 5.0b **¶635692124**
SNET XI 18 17 00 25.6 14.1N–.90 90.2W–.90 150–0 4.5,4.5
GCG XI 18 17 00 26.2–1.1 14.08N 90.24W 141–7 4.2,4.5
CATAC XI 18 17 00 26.8–.30 14N–3.0 90W–3.0 132–2 4.7,4.7
IDC XI 18 17 00 26.7–.70 14.35N 89.80W 159–5 4.5,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.5km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=6.6km s-min=3.3km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=8.0km s-min=3.4km az=34.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=22.7km s-min=11.9km az=61.0.
ISC XII 04 23 43 26.4–.92 14.12N–.02 89.67W–.02 8–7 88 0-2
CATAC XII 04 23 43 24.6–.30 14N–2.0 90W–2.0 19–1 3.9,3.9 **¶625381118**
GCG XII 04 23 43 25.7–1.4 14.14N 89.73W 6–11 3.6,3.4W
SNET XII 04 23 43 25.5–.40 14N–2.0 90W–2.0 5 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 05 06 53 49.8–1.2 15.31N–.02 90.16W–.02 0–9 3.5b 104 1-50
IDC XII 05 06 53 49.9–1.4 15.22N 90.18W 0 3.5b,3.5 **¶625381282**
GCG XII 05 06 53 50.1–2.8 15.26N 90.17W 1–15 4.4,3.5
CATAC XII 05 06 53 51.6–.25 15N–2.0 90W–2.0 1 4.2,4.2
SNET XII 05 06 53 51.1–.89 15N–6.0 90W–5.0 5 4.4,4.3
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 14 05 08 07.4–.89 14.18N–.06 91.50W–.04 87–6 3.6b 235 0-146
SNET XI 14 05 08 07.6 14N–4.0 92W–4.0 85–8 4.3,4.3 **¶635691787**
GCG XI 14 05 08 07.9–1.0 14.18N 91.49W 72–8 4.1,4.3
IDC XI 14 05 08 08.7–2.4 14.32N 91.34W 96–18 3.7,3.5s
CATAC XI 14 05 08 08.8–.46 14N–5.0 91W–4.0 92–7 4.2,4.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 14 21 22 16.4–.61 14.43N–.06 90.48W–.04 190–5 4.4b 117 0-145
NEIC XII 14 21 22 15.9–1.6 14.3N–.10 90.61W–.09 191–6 4.5b **¶625356235**
GCG XII 14 21 22 16.8–.78 14.41N 90.52W 180–8 4.1L,4.0
IDC XII 14 21 22 16.6–.77 14.55N 90.37W 186–2 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=7.8km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=9.0km s-min=4.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=22.6km s-min=16.3km az=65.0.
ISC XII 22 17 51 28.5–1.8 14.24N–.09 91.80W–.07 61–10 30 0-3
SNET XII 22 17 51 27.0 14N–5.0 92W–5.0 74–2 3.7,3.7 **¶625356913**
GCG XII 22 17 51 28.3–1.7 14.25N 91.80W 56–13 3.6,3.7
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=10.9km s-min=5.7km az=-1.0. Presumed earthquake.
GCG XII 31 01 30 47.5–.71 14.02N 91.17W 86–9 3.1
¶636118551
GCG Event type se. Error ellipse: s-maj=12.0km s-min=5.4km az=-1.0. Presumed earthquake.

(71) Near coast of Guatemala.

ISC VII 01 06 02 25.5–1.6 13.03N–.05 90.16W–.04 8–10 4.1b 112 1-35
SNET VII 01 06 02 25.7 13.0N–.80 90.2W–.80 18–1 4.3,4.3 **¶625365105**
CATAC VII 01 06 02 26.4–.98 13N–3.0 90W–3.0 30–11 4.3,4.3
GCG VII 01 06 02 28.1–.93 13.14N 90.32W 24–5 4.5,4.4L
NEIC VII 01 06 02 30.4–1.1 13.1N–.10 89.99W–.08 35–2 4.0b,4.4L
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 01 08 37 38.7–1.7 13.76N–.05 91.50W–.04 9–10 87 1-3
GCG VII 01 08 37 42.7–1.8 13.97N 91.43W 27–6 4.2,4.1L **¶625365077**
CATAC VII 01 08 37 42.7–.72 14N–4.0 91W–2.0 28–5 4.0,4.0
SNET VII 01 08 37 44.7 14N–2.0 91W–2.0 25–2 3.8,3.8
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 04 20 51 09.3–2.9 13.7N–.20 91.2W–.10 29 12 1-2
GCG VII 04 20 51 09.5–.49 13.74N 91.19W 56–33 3.6 **¶625365192**
SNET VII 04 20 51 10.1 14N–3.0 91W–3.0 17–2 3.3,3.3
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 05 19 24 37.0–1.5 13.82N–.06 90.96W–.05 1–11 65 1-5
SNET VII 05 19 24 35.5 14N–3.0 91W–3.0 53–4 9.3,8.8b **¶625365253**
GCG VII 05 19 24 37.2–1.1 13.79N 91.22W 50–15 4.2L,4.2
CATAC VII 05 19 24 38.4–.95 14N–6.0 91W–4.0 4–5 4.0,4.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 06 06 15 07.1–1.3 13.54N–.07 91.53W–.05 53–11 4.2b,3.6s 172 1-147
CATAC VII 06 06 15 02.8–.58 13N–5.0 92W–3.0 12–5 4.8b,4.5 **¶625365429**
GCG VII 06 06 15 03.9–1.3 13.53N 91.58W 20–8 4.3,4.2L
SNET VII 06 06 15 05.4 13N–5.0 91W–5.0 14–5 4.2,4.2
NEIC VII 06 06 15 10.4–1.8 13.74N–.08 91.19W–.10 64–7 4.2b,4.2
IDC VII 06 06 15 12.0–3.5 13.73N 91.07W 90–31 4.0,3.8b
GFZ VII 06 06 15 12.5–.63 14N–7.0 91W–6.0 84–7 4.2b,4.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 08 01 25 07.8–3.6 13.7N–.20 91.9W–.10 11–16 17 1-3
MEX VII 08 01 25 13.0–.58 13.58N 92.04W 30 4.0 **¶624746848**
GCG VII 08 01 25 14.8–2.0 13.70N 91.67W 17–44 4.2
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=14.4km s-min=11.8km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=95.4km s-min=50.9km az=-1.0. Presumed earthquake.
ISC VII 08 20 44 09.3–3.5 13.1N–.20 90.2W–.10 29 17 1-2
SNET VII 08 20 44 07.3–3.4 13N–15 90W–20 5 3.9,3.5 **¶625365559**
GCG VII 08 20 44 07.1–.46 13.09N 90.28W 50–99 4.0,3.5
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=16.6km s-min=15.6km az=-1.0. Presumed earthquake.
ISC VII 08 21 37 32.2–2.9 13.2N–.10 90.5W–.10 24 14 1-2
SNET VII 08 21 37 26.5–1.4 13N–23 91W–14 20 3.4,3.4 **¶625365538**
GCG VII 08 21 37 28.6–1.1 12.95N 90.31W 57–219 3.8,3.4
ISC Event type se.
SNET Error ellipse: s-maj=54.5km s-min=16.9km az=151.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=50.3km s-min=43.5km az=-1.0. Presumed earthquake.
ISC VII 09 17 06 42.2–1.9 13.63N–.10 91.05W–.07 22–9 25 1-2
SNET VII 09 17 06 42.3 14N–3.0 91W–3.0 24–3 3.8,3.7 **¶625365622**
GCG VII 09 17 06 42.8–1.0 13.79N 91.02W 66–30 3.8,3.7
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=22.1km s-min=8.2km az=-1.0. Presumed earthquake.
ISC VII 12 07 00 36.2–4.5 13.3N–.20 90.2W–.20 58 9 1-1
GCG VII 12 07 00 37.5–.83 13.38N 90.16W 37–6 3.1 **¶625365900**
SNET VII 12 07 00 37.2 13N–2.0 90W–2.0 29–2 3.4,3.0
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 13 10 58 50.0–2.6 13.6N–.20 91.4W–.10 28 25 1-3
GCG VII 13 10 58 49.5–1.6 13.69N 91.48W 40–999 4.2 **¶625365970**
SNET VII 13 10 58 51.7–5.6 13N–20 91W–41 10 4.2,3.9
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 15 07 02 51.7–4.2 13.3N–.20 90.3W–.10 50 15 1-1
GCG VII 15 07 02 51.8–1.1 13.31N 90.33W 50–13 3.6 **¶625366150**
SNET VII 15 07 02 52.9 13N–1.0 90W–1.0 22–1 3.4L,3.4
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 15 13 00 50.5–4.1 13.9N–.20 91.7W–.20 50 19 1-3
GCG VII 15 13 00 48.1–1.1 13.88N 91.75W 47–87 4.3 **¶625366136**
SNET VII 15 13 00 48.4 14N–19 92W–19 12–27 4.0,4.0
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 15 16 01 58.8–3.0 13.5N–.10 91.7W–.10 28 19 1-3
GCG VII 15 16 02 05.1–1.1 13.93N 91.63W 26–8 3.8 **¶625366123**
SNET VII 15 16 02 05.2–1.5 14N–10 92W–11 10 3.9,3.9
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 17 09 08 03.9–3.0 13.5N–.20 90.96W–.08 29 12 1-3
GCG VII 17 09 08 01.9–1.3 13.41N 91.07W 50–99 4.0 **¶625366378**
SNET VII 17 09 08 03.0 14N–7.0 91W–7.0 2–7 3.2,3.2
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 17 16 17 36.2–3.9 13.7N–.20 90.1W–.20 95–21 18 0-1
GCG VII 17 16 17 35.9–.89 13.85N 89.95W 102–9 3.5 **¶625366349**
SNET VII 17 16 17 36.0 14N–2.0 90W–2.0 93–1 3.1,3.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 18 12 19 45.5–3.0 13.2N–.20 90.33W–.09 24 13 1-2
SNET VII 18 12 19 47.3 13N–2.0 90W–2.0 23–3 3.4,3.2 **¶625366466**
GCG VII 18 12 19 47.2–.69 13.30N 90.33W 29–5 3.5,3.2
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=8.2km s-min=5.7km az=-1.0. Presumed earthquake.
ISC VII 19 04 13 00.4–2.1 13.30N–.08 90.28W–.06 9–10 47 1-2
CATAC VII 19 04 13 00.8–.70 13N–4.0 90W–4.0 14–4 3.6,3.6 **¶625366623**
GCG VII 19 04 13 02.4–1.3 13.30N 90.36W 36–234 4.0,3.6
SNET VII 19 04 13 04.0 13N–3.0 90W–3.0 15–2 3.4,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 19 09 50 04.3–1.0 13.54N–.06 91.19W–.04 54–9 4.1b,3.3s 195 1-147
CATAC VII 19 09 50 00.8–.56 13N–3.0 91W–2.0 16–4 4.6,4.6 **¶625366584**
SNET VII 19 09 50 02.0–.91 14N–6.0 91W–7.0 10 4.6,4.5
GCG VII 19 09 50 03.2–1.7 13.56N 91.22W 36–999 4.6,4.4L
NEIC VII 19 09 50 04.9–1.9 13.48N–.07 91.11W–.07 48–6 4.1b,4.4L
GFZ VII 19 09 50 07.3–.39 14N–5.0 91W–4.0 86 4.3b,4.3
IDC VII 19 09 50 09.7–2.0 13.86N 90.64W 89–16 4.1,3.7b
UCR VII 19 09 50 58.7–1.0 12.11N 87.14W 20–78 3.5W,3.7b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.6km s-min=3.4km az=27.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=18.3km s-min=8.8km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.3km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=27.5km s-min=11.8km az=52.0.
UCR Event type se. Error ellipse: s-maj=43.0km s-min=15.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**21 15 49 06.5–1.6**	**13.35N–.06**	**90.04W–.04**	**29–12**		**49**	**1-2**
SNET	VII	21 15 49 05.6	13.3N–.80	90.1W–.80	28–1	3.7,3.4		**¶625366735**
CATAC	VII	21 15 49 06.0–.64	13N–4.0	90W–3.0	31–4	3.3,3.3		
GCG	VII	21 15 49 06.7–.82	13.41N	90.05W	36–162	3.8,3.3		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. Error ellipse: s-maj=9.2km s-min=4.8km az=21.4. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=13.6km s-min=8.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**21 15 55 21.6–1.7**	**13.30N–.07**	**90.03W–.04**	**32–12**		**53**	**0-2**
CATAC	VII	21 15 55 22.1–.65	13N–4.0	90W–3.0	32–4	3.5,3.5		**¶625366725**
GCG	VII	21 15 55 22.7–1.2	13.47N	90.03W	50–69	3.9,3.5		
SNET	VII	21 15 55 22.4	13N–2.0	90W–2.0	44–2	3.7,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VII**	**22 06 08 54.6–1.6**	**13.8N–.10**	**90.31W–.06**	**63–14**		**41**	**1-3**
CATAC	VII	22 06 08 52.6–.51	14N–6.0	90W–3.0	51–8	2.9,2.9		**¶626018131**
GCG	VII	22 06 08 53.4–.68	13.74N	90.28W	69–11	3.7,2.9		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=14.0km s-min=5.0km az=15.5. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=9.2km s-min=6.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**24 00 02 55.2–2.1**	**13.14N–.07**	**90.54W–.05**	**4–11**		**56**	**1-4**
CATAC	VII	24 00 02 56.5–.57	13N–3.0	91W–2.0	7–2	3.7,3.7		**¶625367008**
GCG	VII	24 00 02 57.5–.48	13.23N	90.51W	26–6	4.2L,4.2		
SNET	VII	24 00 02 57.8	13.2N–1.0	90.5W–1.0	5–1	3.4,3.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VII**	**15 00 29 03.8–.91**	**13.83N–.07**	**91.34W–.04**	**75–7**	**4.0b**	**161**	**1-146**
SNET	VII	15 00 29 02.0–1.3	14N–8.0	91W–9.0	20–7	4.6,4.5		**¶625366261**
GCG	VII	15 00 29 02.9–1.9	13.83N	91.37W	35–21	4.6L,4.3		
CATAC	VII	15 00 29 03.6–.66	14N–5.0	91W–3.0	32–10	4.4,4.4		
NEIC	VII	15 00 29 04.3–1.9	13.8N–.10	91.22W–.08	70–15	4.0b,4.4		
IDC	VII	15 00 29 05.2–2.7	13.88N	91.18W	86–22	3.9,3.6b		
GFZ	VII	15 00 29 07.8–.84	14N–6.0	91W–8.0	105–8	4.3b,4.3		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**VII**	**25 23 10 52.6–1.5**	**13.65N–.06**	**90.04W–.04**	**71–7**		**74**	**0-3**
CATAC	VII	25 23 10 49.8–.55	14N–4.0	90W–3.0	60–5	3.9,3.9		**¶620967963**
SNET	VII	25 23 10 49.4	13N–2.0	90W–2.0	52–3	3.9,3.9		
GCG	VII	25 23 10 51.4–1.3	13.62N	90.10W	65–8	4.2,3.9		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=22.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=7.2km s-min=3.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**27 05 40 54.4–1.8**	**13.8N–.10**	**90.48W–.06**	**76–14**		**47**	**1-2**
CATAC	VII	27 05 40 52.3–1.2	14N–6.0	91W–5.0	28–15	3.2,3.2		**¶625367253**
SNET	VII	27 05 40 53.6	14N–5.0	91W–5.0	73–5	3.4,3.2		
GCG	VII	27 05 40 54.0–.92	13.76N	90.46W	70–7	3.8,3.2		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=12.8km s-min=11.5km az=21.1. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=7.7km s-min=3.5km az=-1.0. Presumed earthquake.

ISC	**VII**	**28 17 03 39.5–1.7**	**13.57N–.06**	**91.13W–.04**	**9–10**		**64**	**1-3**
CATAC	VII	28 17 03 41.9–.57	14N–3.0	91W–2.0	19–3	4.1,4.1		**¶625367292**
GCG	VII	28 17 03 43.7–1.3	13.74N	91.08W	36–9	4.0,4.1		
SNET	VII	28 17 03 44.5	14N–3.0	91W–3.0	35–8	4.0,4.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VII**	**29 12 26 09.6–1.6**	**13.71N–.07**	**91.06W–.04**	**23–15**		**50**	**1-3**
CATAC	VII	29 12 26 09.0–.85	14N–7.0	91W–3.0	19–7	3.3,3.3		**¶625367404**
GCG	VII	29 12 26 10.6–.99	13.73N	91.04W	35–13	3.7,3.6L		
SNET	VII	29 12 26 10.7	14N–2.0	91W–2.0	22–1	3.2,3.2		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VII**	**30 11 59 00.5–1.2**	**13.43N–.06**	**91.29W–.05**	**44–12**	**4.3b,3.5s**	**188**	**1-147**
SNET	VII	30 11 58 59.6	14N–2.0	91W–2.0	20–4	4.5L,4.4		**¶625367460**
GCG	VII	30 11 58 59.4–1.9	13.54N	91.36W	13–20	4.7,4.4		
CATAC	VII	30 11 58 59.3–.70	13N–3.0	91W–2.0	18–5	4.4,4.4		
NEIC	VII	30 11 59 00.8–1.9	13.51N–.09	91.23W–.07	35–2	4.3b,4.4		
IDC	VII	30 11 59 04.5–3.3	13.63N	90.83W	72–31	4.3L,4.1		
UCR	VII	30 11 59 10.7–1.0	13.91N	90.18W	35–999	4.1W,4.1		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=16.1km s-min=8.1km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=8.0km s-min=4.1km az=28.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.8km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.6km s-min=11.5km az=61.0.
UCR Event type se. Error ellipse: s-maj=440.2km s-min=790.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**29 13 46 58.9–2.5**	**13.6N–.10**	**91.10W–.07**	**4–14**		**23**	**1-2**
GCG	VII	29 13 47 01.3–1.1	13.76N	91.16W	32–4	4.1		**¶625367403**
SNET	VII	29 13 47 01.3	14N–2.0	91W–2.0	21–2	3.8L,3.7		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VIII**	**03 18 46 54.9–1.4**	**13.97N–.07**	**90.45W–.04**	**112–7**		**109**	**0-7**
CATAC	VIII	03 18 46 54.5–.33	14N–4.0	90W–2.0	112–3	3.9,3.9		**¶625367740**
SNET	VIII	03 18 46 55.4	14N–2.0	90W–2.0	100–1	3.8b,3.7L		
GCG	VIII	03 18 46 55.5–.78	13.98N	90.45W	99–4	4.2L,4.2		
UCR	VIII	03 18 46 58.5–1.0	13.39N	90.22W	0–143	3.6W,4.2		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.8km s-min=3.8km az=22.4. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=108.4km s-min=291.8km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 03 34 10.7–2.0**	**13.12N–.06**	**90.37W–.06**	**1–11**		**62**	**1-3**
CATAC	VII	31 03 34 13.6–.86	13N–4.0	90W–4.0	5–3	3.7,3.7		**¶625367582**
GCG	VII	31 03 34 13.8–1.1	13.24N	90.36W	17–10	4.2,3.7		
SNET	VII	31 03 34 15.1	13N–1.0	90W–1.0	11–3	3.8,3.7		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VIII**	**06 20 54 51.6–1.6**	**13.38N–.07**	**90.24W–.05**	**27–12**		**65**	**1-4**
GCG	VIII	06 20 54 52.7–1.3	13.48N	90.22W	30–18	4.6L,4.4		**¶625367955**
SNET	VIII	06 20 54 52.4	13N–1.0	90W–1.0	31–1	4.0,3.9		
CATAC	VIII	06 20 54 52.7–.56	13N–3.0	90W–2.0	29–4	4.0,4.0		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VIII**	**05 00 27 29.6–1.4**	**13.68N–.09**	**90.74W–.05**	**68–13**		**62**	**1-4**
CATAC	VIII	05 00 27 28.4–.52	14N–3.0	91W–2.0	32–6	3.7,3.7		**¶625367934**
SNET	VIII	05 00 27 29.0	14N–2.0	91W–2.0	78–2	3.4L,3.4		
GCG	VIII	05 00 27 29.6–1.1	13.78N	90.67W	72–12	3.8,3.4		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.5km s-min=2.9km az=24.7. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.4km s-min=6.3km az=-1.0. Presumed earthquake.

ISC	**VIII**	**04 20 21 23.9–2.3**	**13.6N–.20**	**90.64W–.08**	**71–30**		**27**	**1-2**
SNET	VIII	04 20 21 23.6	13N–2.0	91W–2.0	28–1	3.3,3.2		**¶625367827**
GCG	VIII	04 20 21 23.3–1.3	13.64N	90.73W	40–26	3.6,3.2		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.3km s-min=7.8km az=-1.0. Presumed earthquake.

ISC	**VIII**	**07 21 46 23.8–2.9**	**13.3N–.10**	**90.30W–.10**	**24–16**		**25**	**1-2**
SNET	VIII	07 21 46 22.9	13N–2.0	90W–2.0	21–1	3.3,3.1		**¶625368002**
GCG	VIII	07 21 46 22.1–1.2	13.32N	90.42W	20–14	3.9,3.1		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=6.8km s-min=4.9km az=-1.0. Presumed earthquake.

ISC	**VIII**	**06 22 09 54.9–.94**	**13.26N–.05**	**90.20W–.04**	**58–8**	**4.3b,3.5s**	**243**	**0-147**
UCR	VIII	06 22 09 38.0–.60	13.84N	91.35W	20	3.8W,3.5s		**¶625367938**
NEIC	VIII	06 22 09 52.7–1.8	13.15N–.07	90.28W–.06	35–2	4.3b,3.5s		
SNET	VIII	06 22 09 54.1–2.0	13N–14	90W–8.0	25–7	4.7,4.7		
CATAC	VIII	06 22 09 55.7–.41	13N–3.0	90W–2.0	36–6	4.6,4.6		
GCG	VIII	06 22 09 56.1–1.2	13.38N	90.27W	26–10	4.8L,4.6		
IDC	VIII	06 22 10 01.7–2.5	13.61N	89.64W	99–22	4.1,3.7b		

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=201.6km s-min=25.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.4km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=6.3km s-min=2.8km az=36.2. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=32.7km s-min=14.0km az=54.0.

ISC	**VIII**	**07 06 55 26.2–1.6**	**13.58N–.07**	**90.52W–.04**	**28–13**		**45**	**0-2**
GCG	VIII	07 06 55 24.8–1.1	13.55N	90.60W	35–21	4.0		**¶625368041**
CATAC	VIII	07 06 55 24.9–.85	14N–6.0	91W–4.0	32–5	3.5,3.5		
SNET	VIII	07 06 55 24.6	14N–1.0	91W–1.0	44–7	3.4,3.4		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VIII**	**11 12 13 47.5–1.9**	**13.76N–.07**	**91.42W–.05**	**25–14**		**52**	**1-4**
CATAC	VIII	11 12 13 48.5–.70	14N–5.0	91W–3.0	32–7	3.6,3.6		**¶625368245**
GCG	VIII	11 12 13 48.0–1.9	13.84N	91.43W	37–27	4.0,3.6		
SNET	VIII	11 12 13 49.3	14N–4.0	91W–4.0	13–3	3.8L,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VIII**	**10 01 20 27.9–1.7**	**13.82N–.06**	**91.67W–.04**	**6–10**		**65**	**1-4**
CATAC	VIII	10 01 20 30.3–.57	14N–3.0	92W–2.0	13–3	3.7,3.7		**¶625368166**
GCG	VIII	10 01 20 31.6–2.0	13.99N	91.60W	27–7	4.3L,4.3		
SNET	VIII	10 01 20 31.5	14N–5.0	92W–5.0	21–7	3.7,3.7		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VIII**	**11 20 06 46.3–2.1**	**13.4N–.10**	**90.26W–.07**	**10**		**18**	**1-2**
GCG	VIII	11 20 06 43.5–.73	13.27N	90.46W	19–27	3.7		**¶625368181**
SNET	VIII	11 20 06 45.9	13N–2.0	90W–2.0	26–3	2.9,2.9		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VIII**	**12 11 58 22.2–2.7**	**13.9N–.20**	**91.4W–.10**	**100**		**15**	**1-2**
GCG	VIII	12 11 58 25.0–.89	13.87N	91.39W	50–33	3.8		**¶625368277**
SNET	VIII	12 11 58 28.3	14N–6.0	91W–6.0	98–7	3.2,3.2		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VIII**	**13 01 59 12.5–3.6**	**13.3N–.10**	**90.3W–.20**	**38**		**20**	**1-2**
SNET	VIII	13 01 59 03.3–1.5	13N–14	89W–9.0	10	3.9,3.4		**¶625368403**
GCG	VIII	13 01 59 11.5–1.4	13.35N	90.30W	28–7	3.6,3.4		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=8.8km s-min=8.5km az=-1.0. Presumed earthquake.

ISC	**VIII**	**13 04 08 36.9–2.2**	**13.06N–.08**	**90.06W–.06**	**9–10**		**64**	**1-2**
CATAC	VIII	13 04 08 39.3–.60	13N–3.0	90W–3.0	9–2	3.2,3.2		**¶625368373**
GCG	VIII	13 04 08 39.6–.98	13.19N	90.13W	13–22	4.1,3.2		

SNET VIII 13 04 08 40.2 13N–3.0 90W–3.0 11–7 3.4L,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 13 11 01 44.3–3.0 13.6N–.20 90.13W–.09 72–14 21 0-2
SNET VIII 13 11 01 43.0 14N–4.0 90W–4.0 84–2 2.9L,2.9 **¶625368472**
GCG VIII 13 11 01 44.7–1.2 13.67N 90.13W 68–8 4.0,2.9
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=9.2km s-min=4.8km az=-1.0. Presumed earthquake.
ISC VIII 18 08 34 55.7–2.0 13.35N–.08 90.75W–.05 10–10 48 1-2
CATAC VIII 18 08 34 56.9–.88 13N–7.0 91W–5.0 8–5 3.3,3.3 **¶625368984**
SNET VIII 18 08 34 57.0 13N–2.0 91W–2.0 11–2 3.4L,3.4
GCG VIII 18 08 34 56.8–.86 13.40N 90.83W 35–19 3.8,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=14.6km s-min=11.6km az=173.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=9.1km s-min=5.3km az=-1.0. Presumed earthquake.
ISC VIII 19 13 52 46.8–1.3 13.68N–.05 90.54W–.04 46–10 81 0-4
CATAC VIII 19 13 52 43.4–.60 14N–3.0 91W–2.0 22–4 4.0,4.0 **¶625369098**
GCG VIII 19 13 52 44.5–2.0 13.68N 90.66W 45–16 4.4L,4.4
SNET VIII 19 13 52 46.8 14N–3.0 91W–3.0 40–7 3.4,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 18 23 25 48.1–2.0 13.09N–.07 90.06W–.05 20–5 70 1-3
SNET VIII 18 23 25 48.8 13N–2.0 90W–2.0 17–2 3.7,3.6 **¶625368843**
CATAC VIII 18 23 25 49.0–.54 13N–3.0 90W–2.0 8–2 3.6,3.6
GCG VIII 18 23 25 50.1–1.1 13.20N 90.11W 24–7 4.1,3.6
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=26.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=6.7km s-min=5.8km az=-1.0. Presumed earthquake.
ISC VIII 19 18 54 04.1–2.0 13.91N–.10 91.47W–.06 64–16 37 1-2
SNET VIII 19 18 54 05.7 14N–4.0 91W–4.0 67–4 3.5,3.4 **¶625369072**
GCG VIII 19 18 54 06.2–1.4 14.13N 91.42W 50–11 4.3,4.2L
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=7.7km s-min=4.1km az=-1.0. Presumed earthquake.
ISC VIII 19 19 11 17.6–1.3 13.82N–.06 90.62W–.04 85–7 96 0-4
CATAC VIII 19 19 11 16.6–.35 14N–6.0 91W–3.0 68–6 3.7,3.7 **¶625369065**
GCG VIII 19 19 11 17.0–1.4 13.83N 90.65W 77–9 4.2,3.7
SNET VIII 19 19 11 18.9–.75 14N–11 91W–6.0 38–10 3.8,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 20 06 14 56.3–2.2 13.10N–.09 90.03W–.05 23–14 70 1-2
CATAC VIII 20 06 14 55.1–.53 13N–3.0 90W–2.0 14–3 3.7,3.7 **¶625369163**
SNET VIII 20 06 14 56.2 13N–2.0 90W–2.0 10–5 4.0,3.7
GCG VIII 20 06 14 56.2–.93 13.17N 90.15W 21–6 4.2,3.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=12.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=-1.0. Presumed earthquake.
ISC VIII 20 00 43 39.2–1.7 13.14N–.06 90.09W–.04 19–3 64 1-3
CATAC VIII 20 00 43 37.8–.70 13N–3.0 90W–3.0 3–3 3.6,3.6 **¶625369218**
SNET VIII 20 00 43 39.6–3.2 13N–17 90W–16 11 3.8,3.7
GCG VIII 20 00 43 40.6–1.0 13.18N 90.15W 22–6 4.1,3.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.4km s-min=4.1km az=33.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=5.9km s-min=5.6km az=-1.0. Presumed earthquake.
ISC VIII 22 08 07 10.8–3.4 13.2N–.20 90.1W–.10 29 14 1-1
SNET VIII 22 08 07 12.4 13N–1.0 90W–1.0 32–1 2.9L,2.9 **¶625369356**
GCG VIII 22 08 07 12.5–1.2 13.33N 90.09W 26–8 3.6,2.9
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.1km s-min=8.1km az=-1.0. Presumed earthquake.
ISC VIII 21 04 10 50.2–2.6 13.4N–.10 90.03W–.09 58 15 1-1
SNET VIII 21 04 10 48.7 13N–2.0 90W–2.0 55–3 2.9,2.8 **¶625369275**
GCG VIII 21 04 10 50.5–.77 13.43N 90.03W 44–22 3.6,2.8
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=6.7km s-min=5.0km az=-1.0. Presumed earthquake.
ISC VIII 23 08 18 39.6–2.1 13.64N–.10 91.37W–.08 10 30 1-3
SNET VIII 23 08 18 39.5 14N–7.0 91W–7.0 4–5 3.2L,3.2 **¶625369421**
GCG VIII 23 08 18 39.4–1.6 13.70N 91.47W 9–29 4.4,3.2
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=19.3km s-min=16.6km az=-1.0. Presumed earthquake.
ISC VIII 22 06 20 22.0–3.2 13.8N–.10 91.7W–.10 35 22 1-3
GCG VIII 22 06 20 22.9–1.4 13.86N 91.62W 36–460 4.0 **¶625369363**
SNET VIII 22 06 20 28.4 14N–5.0 91W–5.0 8–2 3.1,2.6
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 22 05 59 29.2–2.0 13.66N–.08 90.84W–.05 23–16 36 1-2
CATAC VIII 22 05 59 29.2–.93 14N–6.0 91W–3.0 22–5 3.2,3.2 **¶625369373**
GCG VIII 22 05 59 30.7–1.5 13.74N 90.81W 35–93 3.9,3.2
SNET VIII 22 05 59 30.2 14N–7.0 91W–7.0 29–4 3.0,2.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 26 18 23 52.9–1.3 13.85N–.08 91.98W–.06 63–10 4.3b 78 1-146
IDC VIII 26 18 23 40.6–1.6 13.06N 91.70W 0 3.9b,3.8 **¶625369591**
NEIC VIII 26 18 23 55.6–2.1 14.1N–.10 91.72W–.10 72–11 4.3b,3.8
GCG VIII 26 18 23 55.6–1.0 13.96N 91.97W 35–28 4.2L,4.2
SNET VIII 26 18 23 57.9 14N–4.0 92W–4.0 25–3 4.1,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 24 07 12 27.2–1.8 13.89N–.07 91.55W–.06 2–11 60 1-4
GCG VIII 24 07 12 31.8–.97 14.02N 91.56W 50–28 4.0 **¶625369511**
CATAC VIII 24 07 12 32.4–.80 14N–4.0 91W–4.0 3–3 3.5,3.5
SNET VIII 24 07 12 33.0 14N–6.0 92W–6.0 35–456 4.0,3.7
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 24 16 16 42.9–.69 13.22N–.03 91.88W–.02 17–3 5.2b,4.7s 775 1-150
IDC VIII 24 16 16 40.4–.43 13.20N 91.70W 0 4.7L,4.7b **¶625369454**
MOS VIII 24 16 16 41.0–.93 13.40N 91.59W 6 5.2b,4.8s
NEIC VIII 24 16 16 42.8–2.3 13.27N–.04 91.87W–.04 10–1 5.4,5.2b
GCG VIII 24 16 16 43.7–2.3 13.18N 91.89W 26–99 4.9,5.2b
GFZ VIII 24 16 16 43.8 13.37N 91.69W 11 5.3W,5.2b
MEX VIII 24 16 16 43.8–.41 13.11N 92.03W 10 5.4,5.2b
NEIC VIII 24 16 16 44.3 13.20N 92.00W 18 5.4,5.2b
GCMT VIII 24 16 16 44.8–.10 13.21N–.01 92.09W–.01 12 5.3W,5.2b
NEIC VIII 24 16 16 44.1 13.40N 91.69W 10 5.3W,5.2b
SNET VIII 24 16 16 45.5 13N–4.0 92W–4.0 12–6 5.3W,5.3
GFZ VIII 24 16 16 45.3–.29 13N–3.0 92W–4.0 10 5.2b,5.1
CATAC VIII 24 16 16 45.8–.39 13N–3.0 92W–2.0 10 5.6,5.6
BJI VIII 24 16 16 47.2 13.39N 92.17W 47 5.4b,5.3s
BGR VIII 24 16 16 53.1 13.77N 91.89W 69–5 5.2b,5.3s
UPA VIII 24 16 17 04.4–6.8 12.54N 90.79W 10–999 5.1W,5.3s
ISC Event type ke.
IDC Error ellipse: s-maj=11.3km s-min=8.4km az=60.0.
MOS Error ellipse: s-maj=12.0km s-min=6.7km az=108.8.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.4km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=37.3km s-min=21.0km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04 $M_{\theta\theta}$0.75 $M_{\phi\phi}$0.29 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.30 $M_{\phi r}$0.04 NP1: ϕ_s123.29263°,δ37.82559°,λ-77.37333°. NP2:ϕ_s287.45896°,δ53.24259°,λ-99.63234°. Principal axes: T 0.9338,Plg7.7805°,Azm24.3174°; N 0.1695,Plg7.7041°,Azm293.2583° ; P -1.1033,Plg79.0168°,Azm159.0686° $M_0$1.02908×10^{17}
MEX Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.36 $M_{\theta\theta}$1.03 $M_{\phi\phi}$0.33 $M_{r\theta}$0.43 $M_{\theta\phi}$-0.54 $M_{\phi r}$-0.47 NP1:ϕ_s111.04000°,δ33.41000° ,λ-102.90000°. NP2:ϕ_s306.38000°,δ57.54000°,λ-81.62000°. Principal axes: T 1.4522,Plg12.0000°,Azm30.0000°; N 0.0681,Plg7.0000°,Azm122.0000° ; P -1.5202,Plg76.0000°,Azm241.0000° $M_0$1.49000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108241616A. Moment Tensor Solution. s102,c171; s139,c268;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.03±.01 $M_{\theta\theta}$0.78±.01; $M_{\phi\phi}$0.25±.01; $M_{r\theta}$0.35±.03; $M_{\theta\phi}$-0.47±.01; $M_{\phi r}$0.25±.04; Best double couple: NP1: ϕ_s138.00000°,δ43.00000°,λ-62.00000°. NP2:ϕ_s282.00000°,δ53.00000°,λ-113.00000°. Principal axes: T 1.0650,Plg5.0000°,Azm29.0000°; N 0.1140,Plg18.0000°,Azm297.0000° ; P -1.1760,Plg71.0000°,Azm134.0000° $M_0$1.12100×10^{17}
NEIC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. Error ellipse: s-maj=5.7km s-min=5.0km az=178.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.08 $M_{\theta\theta}$0.80 $M_{\phi\phi}$0.28 $M_{r\theta}$0.63 $M_{\theta\phi}$-0.25 $M_{\phi r}$-0.34 NP1:ϕ_s110.18343° ,δ27.22981°,λ-94.91274°. NP2:ϕ_s295.70489°,δ62.87845°,λ-87.47669°. Principal axes: T 1.1306,Plg17.8417°,Azm23.8308°; N 0.1815,Plg2.2457°,Azm114.5540° ; P -1.3121,Plg72.0080°,Azm211.4893° $M_0$1.23140×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.08 $M_{\theta\theta}$0.90 $M_{\phi\phi}$0.17 $M_{r\theta}$0.50 $M_{\theta\phi}$-0.25 $M_{\phi r}$-0.42 NP1: ϕ_s98.14225°,δ30.51608°,λ-107.65767°. NP2:ϕ_s298.42196°,δ61.06241°,λ-79.86323°. Principal axes: T 1.1470,Plg15.4873°,Azm21.0021°; N 0.1382,Plg8.8602°,Azm113.4777° ; P -1.2852,Plg72.0454°,Azm232.2325° $M_0$1.22198×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.92 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$-0.31 $M_{r\theta}$-0.96 $M_{\theta\phi}$0.71 $M_{\phi r}$0.25 NP1: ϕ_s150.76800°,δ28.01197°,λ126.47448°. NP2:ϕ_s290.82620°,δ67.81115°,λ72.45087°. Principal axes: T 1.3849,Plg63.0390°,Azm172.7749°; N 0.1451,Plg16.2121°,Azm297.6369° ; P -1.5299,Plg20.9297°,Azm34.0215° $M_0$1.46280×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.80 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$-0.24 $M_{r\theta}$-1.02 $M_{\theta\phi}$0.74 $M_{\phi r}$0.23 NP1: ϕ_s155.92830°,δ28.29717°,λ134.90680°. NP2:ϕ_s287.38471°,δ70.38215°,λ69.18956°. Principal axes: T 1.3576,Plg59.3183°,Azm167.8910°; N 0.1871,Plg19.5515°,Azm294.6568° ; P -1.5447,Plg22.6562°,Azm33.1815° $M_0$1.46017×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.55 $M_{\theta\theta}$0.37 $M_{\phi\phi}$0.18 $M_{r\theta}$-0.61 $M_{\theta\phi}$-1.01 $M_{\phi r}$-0.78 NP1: ϕ_s349.18192°,δ63.85495°,λ-34.67654°. NP2:ϕ_s96.13577°,δ59.28757°,λ-149.16737°. Principal axes: T 1.2892,Plg2.8406°,Azm43.5748°; N 0.3455,Plg47.5811°,Azm136.6877° ; P -1.6347,Plg42.2776°,Azm310.9891° $M_0$1.49224×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71 $M_{\theta\theta}$0.38 $M_{\phi\phi}$0.33 $M_{r\theta}$-0.65 $M_{\theta\phi}$-0.83 $M_{\phi r}$-0.85 NP1: ϕ_s102.13518°,δ53.15844°,λ-145.50108°. NP2:ϕ_s349.73960°,δ63.04564°,λ-42.27415°. Principal axes: T 1.1998,Plg5.9388°,Azm48.0016°; N 0.4630,Plg41.2659°,Azm143.2387° ; P -1.6628,Plg48.1163°,Azm311.3400° $M_0$1.48643×10^{17}
BGR Event type ke.
UPA Event type se. Error ellipse: s-maj=602.7km s-min=999.9km az=-1.0. Presumed earthquake.
ISC VIII 30 08 46 44.0–3.2 13.6N–.20 91.5W–.10 50 14 1-2
SNET VIII 30 08 46 42.8 14N–6.0 92W–6.0 36–517 3.6,3.5 **¶625369797**
GCG VIII 30 08 46 44.1–1.2 13.71N 91.47W 56–68 3.8,3.5
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=21.4km s-min=10.1km az=-1.0. Presumed earthquake.
ISC VIII 29 18 37 05.2–1.5 13.76N–.04 91.61W–.04 10–9 3.9b,3.1s 108 1-146
IDC VIII 29 18 37 02.9–.97 13.80N 91.64W 0 4.1,4.0L **¶625369766**
SNET VIII 29 18 37 08.4 14N–4.0 92W–4.0 12–6 4.5,4.5
CATAC VIII 29 18 37 08.5–.95 14N–5.0 91W–4.0 4–6 4.6,4.6
GCG VIII 29 18 37 09.1–1.7 13.89N 91.53W 13–20 4.2L,4.2
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=11.7km az=43.0.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. Error ellipse: s-maj=12.1km s-min=4.5km az=32.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.18 $M_{\theta\theta}$1.08 $M_{\phi\phi}$-1.26 $M_{r\theta}$-0.03 $M_{\theta\phi}$1.00 $M_{\phi r}$-0.33 NP1:ϕ_s294.45965° ,δ78.82144°,λ-2.07463°. NP2:ϕ_s24.86202°,δ87.96475°,λ-168.81430°. Principal axes: T 1.4620,Plg6.4290°,Azm159.1339°; N 0.2106,Plg78.6330°,Azm35.0435° ; P -1.6727,Plg9.3345°,Azm250.1952° $M_0$1.57793×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.32 $M_{\theta\theta}$0.80 $M_{\phi\phi}$-1.13 $M_{r\theta}$0.03 $M_{\theta\phi}$1.01 $M_{\phi r}$-0.33 NP1: ϕ_s291.41597°,δ79.02665°,λ-2.16128°. NP2:ϕ_s21.82756°,δ87.87825°,λ-169.01902°. Principal axes: T 1.2488,Plg6.2243°,Azm156.1164°; N 0.3634,Plg78.8184°,Azm32.6300° ; P -1.6123,Plg9.2521°,Azm247.1344° $M_0$1.46477×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.29 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$0.19 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.28 $M_{\phi r}$1.26 NP1: ϕ_s28.91874°,δ84.84628°,λ72.87833°. NP2:ϕ_s282.66214°,δ17.85824°,λ162.96707°. Principal axes: T 1.5265,Plg47.4388°,Azm280.9934°; N -0.0994,Plg17.0503°,Azm30.5038° ; P -1.4272,Plg37.5547°,Azm134.1425° $M_0$1.47936×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.23 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$0.18 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.20 $M_{\phi r}$1.30 NP1: ϕ_s28.82853°,δ86.44975°,λ76.11441°. NP2:ϕ_s284.76570°,δ14.32362°,λ165.50472°. Principal axes: T 1.5624,Plg46.7953°,Azm284.4770°; N -0.1100,Plg13.8584°,Azm29.7056° ; P -1.4524,Plg39.8917°,Azm131.6063° $M_0$1.51044×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.29 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$0.16 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.30 $M_{\phi r}$1.33 NP1: ϕ_s25.22897°,δ85.16472°,λ73.29900°. NP2:ϕ_s279.53677°,δ17.36770°,λ163.59765°. Principal axes: T 1.5675,Plg47.2626°,Azm277.8055°; N -0.1175,Plg16.6398°,Azm26.6777° ; P -1.4500,Plg37.9712°,Azm130.1668° $M_0$1.51217×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.32 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$0.15 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.24 $M_{\phi r}$1.36 NP1: ϕ_s25.53623°,δ85.23730°,λ74.94654°. NP2:ϕ_s278.37990°,δ15.77230°,λ162.21403°. Principal axes: T 1.6262,Plg47.6628°,Azm279.7122°; N -0.1827,Plg15.0003°,Azm26.8155° ; P -1.4435,Plg38.4458°,Azm129.0976° $M_0$1.54295×10^{15}

GCG Event type se. Error ellipse: s-maj=9.7km s-min=5.9km az=-1.0. Presumed earthquake.
ISC IX 03 19 20 56.2–2.3 13.77N–.09 90.28W–.06 100–14 31 0-2
GCG IX 03 19 20 56.3–1.4 13.76N 90.32W 85–10 3.8 **¶625370022**
SNET IX 03 19 20 56.6 14N–3.0 90W–3.0 94–2 2.9,2.9
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 31 07 26 38.3–2.1 13.92N–.07 91.78W–.07 26–14 55 1-4
SNET VIII 31 07 26 37.7 14N–7.0 92W–7.0 35–689 3.7,3.7 **¶625369869**
CATAC VIII 31 07 26 38.6–.70 14N–5.0 92W–5.0 26–7 3.6,3.6
GCG VIII 31 07 26 40.2–2.1 14.06N 91.69W 41–40 4.0L,4.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. Error ellipse: s-maj=10.6km s-min=9.9km az=79.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=12.6km s-min=9.9km az=-1.0. Presumed earthquake.
ISC IX 01 01 04 32.8–2.1 13.19N–.08 90.16W–.07 29 93 0-2
GCG IX 01 01 04 32.2–.85 13.20N 90.19W 22–11 3.9 **¶625369966**
SNET IX 01 01 04 33.4 13N–2.0 90W–2.0 23–2 3.2L,3.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 02 09 21 22.9–1.5 13.41N–.05 91.17W–.04 16–9 3.9s,3.7b 254 1-147
IDC IX 02 09 21 19.7–1.3 13.16N 91.19W 0 3.8L,3.8s **¶625369987**
GCG IX 02 09 21 23.4–1.8 13.51N 91.22W 53–37 4.9,3.8s
CATAC IX 02 09 21 23.0–.57 13N–4.0 91W–2.0 19–5 4.5,4.3b
SNET IX 02 09 21 23.3 13N–2.0 91W–2.0 36–539 4.5,4.5
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 07 05 17 39.2–1.3 13.93N–.05 91.21W–.03 13–9 77 1-5
CATAC IX 07 05 17 37.8–.64 14N–4.0 91W–2.0 13–3 3.5,3.5 **¶625370251**
GCG IX 07 05 17 39.9–.82 14.03N 91.24W 60–7 4.1,3.8L
SNET IX 07 05 17 41.9 14N–3.0 91W–3.0 24–3 3.5,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 04 19 36 52.5–2.9 13.13N–.08 91.16W–.08 16–15 27 1-6
SNET IX 04 19 36 53.6 14N–36 91W–36 102–47 3.5,3.5 **¶625370097**
GCG IX 04 19 36 54.7–.73 13.25N 91.03W 6–11 3.9,3.5
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.9km s-min=6.1km az=-1.0. Presumed earthquake.
ISC IX 07 09 28 15.0–1.4 13.82N–.05 91.44W–.04 7–10 115 1-7
CATAC IX 07 09 28 18.0–.69 14N–5.0 91W–3.0 14–3 3.6,3.6 **¶625370225**
SNET IX 07 09 28 18.4 14N–25 92W–25 31–52 3.7,3.7
GCG IX 07 09 28 18.9–1.5 14.05N 91.47W 28–5 4.2,4.0L
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.2km s-min=3.5km az=27.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=7.0km s-min=4.2km az=-1.0. Presumed earthquake.
ISC IX 07 21 39 42.2–1.2 13.11N–.08 91.17W–.05 33 3.5s 72 1-147
IDC IX 07 21 39 37.0–2.1 12.96N 91.16W 0 3.6b,3.6 **¶625370185**
GCG IX 07 21 39 40.8–.90 13.28N 91.43W 50–78 4.5,3.6
SNET IX 07 21 40 00.1 14N–1.0 90W–1.0 11–1 3.2,3.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 10 08 58 13.5–.76 13.66N–.04 90.79W–.03 55–9 3.9b 283 0-35
GCG IX 10 08 58 11.9–1.7 13.62N 90.77W 49–19 4.8,4.5L **¶625371426**
CATAC IX 10 08 58 11.2–.47 14N–2.0 91W–1.0 19–3 4.7b,4.4
SNET IX 10 08 58 12.1 13.6N–.90 90.7W–.90 18–1 4.2,4.1
NEIC IX 10 08 58 14.1–1.0 13.70N–.09 90.64W–.07 54–6 4.0b,4.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 23 43 45.3–1.6 13.85N–.06 90.81W–.05 29–13 58 1-2
SNET IX 09 23 43 42.5 14N–1.0 91W–1.0 29–0 3.6,3.6 **¶625370305**
GCG IX 09 23 43 42.5–1.1 13.90N 90.89W 73–9 4.1,3.8L
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=7.2km s-min=4.5km az=-1.0. Presumed earthquake.
ISC IX 14 09 38 24.6–3.1 13.4N–.10 91.3W–.10 28 26 1-3
GCG IX 14 09 38 18.7–.60 13.10N 91.23W 0–12 4.1 **¶625371806**
SNET IX 14 09 38 21.8 14N–5.0 92W–5.0 42–164 3.5,3.3
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 13 10 03 38.3–2.0 13.52N–.07 90.82W–.06 13–13 71 1-4
CATAC IX 13 10 03 38.5–1.1 14N–15 91W–6.0 10–9 3.0,3.0 **¶625371735**
GCG IX 13 10 03 39.1–1.6 13.54N 90.90W 43–151 3.6,3.0
SNET IX 13 10 03 45.8 14N–11 90W–11 24–3 3.2,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 17 09 35 35.0–1.4 13.59N–.05 90.35W–.04 14–9 132 0-4
CATAC IX 17 09 35 33.9–.68 13N–4.0 90W–4.0 12–4 3.2,3.2 **¶625371941**
SNET IX 17 09 35 34.2 14N–2.0 90W–2.0 26–1 3.5,3.3
GCG IX 17 09 35 35.0–1.1 13.57N 90.44W 46–15 4.0,3.3
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.0km s-min=7.1km az=148.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=7.1km s-min=4.4km az=-1.0. Presumed earthquake.
ISC IX 16 06 13 45.9–1.1 13.44N–.04 90.05W–.03 31–9 224 0-6
SNET IX 16 06 13 43.5 13N–1.0 90W–1.0 32–0 3.6,3.5 **¶625371880**
GCG IX 16 06 13 44.0–1.2 13.41N 90.13W 34–9 3.5,3.5
CATAC IX 16 06 13 44.2–.48 13N–3.0 90W–2.0 30–3 3.5,3.5
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC IX 18 08 14 24.4–2.2 13.4N–.10 90.03W–.07 45–13 59 0-2
GCG IX 18 08 14 24.5–1.2 13.45N 90.03W 42–16 3.3 **¶625372060**
SNET IX 18 08 14 25.5 13N–2.0 90W–2.0 48–3 2.9,2.6
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 21 00 38 03.6–1.8 13.66N–.07 91.25W–.05 9–13 68 1-9
SNET IX 21 00 38 05.6 13N–5.0 91W–5.0 12–3 3.8,3.8 **¶625372280**
GCG IX 21 00 38 07.0–1.5 13.82N 91.23W 21–8 4.1,3.8
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.6km s-min=3.8km az=-1.0. Presumed earthquake.
ISC IX 18 23 30 53.6–2.2 13.5N–.10 90.89W–.08 35 64 1-3
GCG IX 18 23 30 50.3–1.5 13.38N 91.03W 50–18 3.9 **¶625371964**
SNET IX 18 23 30 56.2 14N–3.0 91W–3.0 17–2 3.2,3.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 20 07 55 42.0–1.4 13.15N–.04 90.07W–.03 14–9 223 0-6
CATAC IX 20 07 55 42.5–.51 13N–3.0 90W–2.0 9–2 3.7,3.7 **¶625372191**
GCG IX 20 07 55 43.2–1.2 13.22N 90.20W 22–8 4.2,3.7
SNET IX 20 07 55 43.0 13N–1.0 90W–1.0 14–2 3.8,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 21 08 01 24.1–2.0 13.12N–.07 90.21W–.05 4–10 96 1-3
CATAC IX 21 08 01 21.7–.77 13N–4.0 90W–6.0 13–6 3.1,3.1 **¶625372232**
GCG IX 21 08 01 27.2–2.0 13.23N 90.14W 32–9 3.9,3.1
SNET IX 21 08 01 27.4 13N–6.0 90W–6.0 4–8 3.5,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 25 13 18 36.9–1.9 13.53N–.08 90.36W–.07 22–7 60 1-1
SNET IX 25 13 18 35.1 13N–3.0 90W–3.0 21–1 3.6,3.6 **¶625373490**
GCG IX 25 13 18 36.0–.71 13.53N 90.44W 21–15 3.3,3.6
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Error ellipse: s-maj=5.6km s-min=5.1km az=-1.0. Presumed earthquake.
ISC IX 23 04 41 54.5–1.5 13.49N–.05 90.87W–.04 8–10 201 1-37
IDC IX 23 04 41 53.2–1.3 13.31N 90.99W 0 3.6b,3.5 **¶625373135**
GCG IX 23 04 41 56.7–.88 13.51N 90.92W 50–8 4.1,3.5
CATAC IX 23 04 41 57.5–.53 14N–4.0 91W–2.0 18–3 3.9,3.9
SNET IX 23 04 41 58.7 13.5N–.80 90.7W–.80 12–2 4.0,4.0
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 23 06 45 22.4–2.0 13.57N–.08 91.22W–.07 32–14 94 1-3
GCG IX 23 06 45 21.7–1.3 13.61N 91.30W 36–999 4.3 **¶625373077**
CATAC IX 23 06 45 23.9–1.5 13N–9.0 91W–6.0 5–8 3.4,3.4
SNET IX 23 06 45 28.8 14N–2.0 91W–2.0 18–1 3.5,3.5
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 30 11 04 33.4–1.7 13.01N–.06 90.65W–.04 28–12 3.6b,3.4s 129 1-147
CATAC IX 30 11 04 30.0–.98 13N–4.0 91W–4.0 8–8 3.8,3.8 **¶625375189**
GCG IX 30 11 04 31.1–1.4 13.04N 90.74W 6–14 4.6,3.8
IDC IX 30 11 04 38.0–3.0 13.29N 90.35W 57–26 3.5,3.3b
SNET IX 30 11 04 38.0–2.0 13N–13 90W–10 10 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 29 11 28 23.4–2.1 13.10N–.08 90.02W–.06 8–10 65 1-4
CATAC IX 29 11 28 22.9–1.1 13N–4.0 90W–6.0 5–5 3.2,3.2 **¶625375081**
GCG IX 29 11 28 23.5–.99 13.09N 90.13W 19–8 3.8,3.2
SNET IX 29 11 28 47.5–.55 14N–4.0 89W–5.0 5 3.2,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 28 05 45 24.5–1.9 13.98N–.09 91.64W–.08 35 52 1-4
SNET IX 28 05 45 21.8 14N–8.0 92W–8.0 35–624 3.6L,3.5 **¶625375005**
GCG IX 28 05 45 22.0–1.4 13.91N 91.66W 19–9 3.6,3.5
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.7km s-min=7.1km az=-1.0. Presumed earthquake.
ISC IX 29 04 17 22.9–2.0 13.47N–.07 90.77W–.06 6–11 117 1-4
CATAC IX 29 04 17 25.5–.83 13N–7.0 91W–5.0 10–5 3.4,3.4 **¶625375122**
GCG IX 29 04 17 26.0–1.2 13.57N 90.73W 25–9 4.0,3.4
SNET IX 29 04 17 27.7 14N–2.0 91W–2.0 22–1 3.6,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 01 11 43 50.1–2.1 13.2N–.10 91.05W–.07 10 74 1-3
GCG X 01 11 43 51.3–1.7 13.27N 90.92W 9–29 4.1 **¶625375332**
SNET X 01 11 43 51.4 13N–4.0 91W–4.0 12–5 3.8,3.7
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 30 10 52 33.2–1.9 13.03N–.07 90.75W–.06 31–14 86 1-4
GCG IX 30 10 52 31.5–2.0 13.01N 90.72W 2–16 4.3 **¶625375203**
CATAC IX 30 10 52 31.7 13N–9.0 91W–9.0 1–5 3.3,3.3
SNET IX 30 10 52 33.3 13N–3.0 91W–3.0 23–2 3.7,3.6
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 04 06 58 48.2–2.1 13.21N–.07 90.37W–.06 11–10 94 1-4
GCG X 04 06 58 49.9–1.4 13.30N 90.38W 13–15 4.0 **¶625375537**
CATAC X 04 06 58 49.3–.75 13N–5.0 90W–4.0 13–5 2.9,2.9
SNET X 04 06 58 50.2 13N–2.0 90W–2.0 18–1 3.0L,3.0
ISC Event type se.
GCG Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**04 08 19 18.3–1.4**	**13.26N–.04**	**90.32W–.03**	**15–9**		**178**	**1-6**
SNET	X	04 08 18 55.6–5.2	13N–21	92W–38	10	4.5,4.5	**¶625375521**	
CATAC	X	04 08 19 18.6–.60	13N–4.0	90W–3.0	12–3	3.5,3.5		
GCG	X	04 08 19 18.9–2.6	13.30N	90.38W	24–12	4.2,3.9L		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=7.7km s-min=6.5km az=168.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=12.7km s-min=8.7km az=-1.0. Presumed earthquake.

ISC	**X**	**05 03 48 31.8–1.3**	**13.99N–.05**	**91.25W–.04**	**62–7**		**186**	**0-12**
GCG	X	05 03 48 29.9–1.3	13.98N	91.30W	57–9	4.0	**¶625375646**	
CATAC	X	05 03 48 30.4–.59	14N–4.0	91W–3.0	27–6	5.0b,4.3		
SNET	X	05 03 48 30.5	14N–12	91W–12	32–25	4.1,4.0		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**08 21 53 11.9–1.7**	**13.61N–.06**	**90.75W–.05**	**28–14**		**74**	**1-3**
GCG	X	08 21 53 10.4–1.2	13.62N	90.82W	23–7	3.5	**¶625375819**	
SNET	X	08 21 53 11.8	14N–3.0	91W–3.0	27–1	3.9,3.8		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**07 01 07 08.6–1.9**	**13.59N–.07**	**90.95W–.07**	**22–15**		**59**	**1-2**
CATAC	X	07 01 07 08.2–.97	14N–8.0	91W–6.0	10–6	3.3,3.3	**¶625375800**	
GCG	X	07 01 07 09.0–1.4	13.67N	91.02W	32–7	3.3,3.3		
SNET	X	07 01 07 11.1	14N–4.0	91W–4.0	24–2	3.5,3.3		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**09 12 08 56.1–2.3**	**13.41N–.07**	**90.96W–.06**	**0–13**		**62**	**1-3**
SNET	X	09 12 08 59.0	13N–4.0	91W–4.0	15–3	3.7,3.6	**¶625375894**	
GCG	X	09 12 08 59.6–.98	13.56N	91.03W	34–12	4.0,3.6		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.8km s-min=5.7km az=-1.0. Presumed earthquake.

ISC	**X**	**09 02 07 29.5–2.5**	**13.64N–.09**	**91.46W–.07**	**10–12**		**46**	**1-3**
GCG	X	09 02 07 31.9–1.6	13.68N	91.49W	22–9	3.8	**¶626018712**	
CATAC	X	09 02 07 35.1–.77	14N–9.0	91W–5.0	34–16	3.7,3.7		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**11 07 58 27.7–2.3**	**13.08N–.08**	**90.04W–.07**	**15–10**		**102**	**1-2**
CATAC	X	11 07 58 28.7–.68	13N–3.0	90W–3.0	16–5	2.8,2.8	**¶625376071**	
GCG	X	11 07 58 29.3–1.3	13.16N	90.09W	16–17	3.9,2.8		
SNET	X	11 07 58 31.2	13N–4.0	90W–4.0	33–2	3.0,2.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**10 11 53 38.1–2.1**	**13.38N–.07**	**90.26W–.07**	**26–13**		**77**	**1-4**
SNET	X	10 11 53 36.8	13N–2.0	90W–2.0	20–2		**¶625375983**	
GCG	X	10 11 53 36.1–1.4	13.39N	90.38W	21–12	3.1		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.9km s-min=6.2km az=-1.0. Presumed earthquake.

ISC	**X**	**11 03 34 24.9–3.2**	**13.1N–.10**	**90.1W–.10**	**9–12**		**18**	**1-1**
GCG	X	11 03 34 26.4–1.4	13.23N	90.04W	0–40	3.7	**¶625376120**	
SNET	X	11 03 34 26.9	13.11N	90.04W	20	3.4,3.0		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=58.9km s-min=26.8km az=-1.0. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**11 20 52 50.6–2.3**	**13.12N–.07**	**90.28W–.07**	**10–10**		**138**	**1-2**
CATAC	X	11 20 52 50.8–.60	13N–3.0	90W–4.0	9–4	3.7,3.7	**¶625376032**	
GCG	X	11 20 52 52.2–.75	13.26N	90.27W	0–11	3.8,3.7		
SNET	X	11 20 52 52.0	13N–1.0	90W–1.0	18–2	3.9,3.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**11 01 20 32.5–2.7**	**13.1N–.10**	**90.21W–.09**	**30–13**		**36**	**1-2**
GCG	X	11 01 20 33.6–.80	13.20N	90.14W	10–17	3.8	**¶625376127**	
SNET	X	11 01 20 34.8	13N–2.0	90W–2.0	54–7	3.1,3.0		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**12 07 28 25.5–1.9**	**13.32N–.06**	**90.27W–.06**	**14–9**		**109**	**0-3**
CATAC	X	12 07 28 26.2–.76	13N–4.0	90W–4.0	12–5	3.0,3.0	**¶625379196**	
GCG	X	12 07 28 26.5–1.1	13.36N	90.32W	14–10	4.0,3.0		
SNET	X	12 07 28 29.2–2.2	13N–9.0	90W–14	10	3.1,3.1		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**12 17 53 49.5–1.8**	**13.18N–.08**	**90.29W–.05**	**24**		**72**	**1-5**
GCG	X	12 17 53 48.6–1.2	13.21N	90.36W	16–11	4.3	**¶625379156**	
SNET	X	12 17 53 49.2	13N–3.0	90W–3.0	21–2	3.8,3.6		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**13 12 10 39.0–2.9**	**13.0N–.10**	**90.3W–.10**	**24**		**30**	**1-2**
SNET	X	13 12 10 35.4	13N–2.0	90W–2.0	17–2	3.6,3.3	**¶625379270**	
GCG	X	13 12 10 36.6–.32	12.97N	90.36W	12–16	3.2,3.3		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.8km s-min=5.1km az=-1.0. Presumed earthquake.

ISC	**X**	**16 08 21 35.8–1.7**	**13.74N–.05**	**91.57W–.04**	**6–11**		**148**	**1-5**
CATAC	X	16 08 21 38.4–.56	14N–3.0	92W–2.0	9–3	3.6,3.6	**¶625379499**	
GCG	X	16 08 21 39.1–.67	13.84N	91.52W	26–6	3.6,3.6		
SNET	X	16 08 21 42.0	14N–6.0	91W–6.0	9–4	3.6,3.6		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**13 14 21 48.3–.64**	**13.85N–.05**	**90.61W–.04**	**100–5**	**4.5b**	**484**	**0-147**
GFZ	X	13 14 21 43.5–.68	14N–5.0	91W–6.0	78–5	5.4b,4.9L	**¶625379255**	
NEIC	X	13 14 21 48.8–1.2	13.8N–.10	90.64W–.08	99–7	4.5b,4.9L		
SNET	X	13 14 21 48.5	14N–3.0	91W–3.0	75–5	4.7,4.7		
IDC	X	13 14 21 48.4–1.7	13.96N	90.47W	98–14	4.2,3.9b		
CATAC	X	13 14 21 49.6–.34	14N–5.0	91W–4.0	82–5	5.3b,4.9		
GCG	X	13 14 21 49.4–3.3	13.71N	90.73W	50–30	4.6L,4.0		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=7.5km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
IDC Error ellipse: s-maj=19.9km s-min=11.0km az=40.0.
CATAC Event type se. Error ellipse: s-maj=12.0km s-min=4.8km az=37.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.09 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-0.45 $M_{r\theta}$1.33 $M_{\theta\phi}$-2.05 $M_{\phi r}$-2.98 NP1:ϕ_s167.53935° ,δ89.77400°,λ57.54153°. NP2:ϕ_s77.18405°,δ32.45918°,λ179.57891°. Principal axes: T 4.2636,Plg36.8289°,Azm49.2376°; N -0.9535,Plg32.4582°,Azm167.6831° ; P -3.3101,Plg36.4306°,Azm285.6822° $M_0$3.87581×10^{15}
GCG Event type se. Error ellipse: s-maj=25.7km s-min=18.6km az=-1.0. Presumed earthquake.

ISC	**X**	**15 10 58 58.5–1.3**	**13.98N–.09**	**91.96W–.06**	**10**		**120**	**2-6**
CATAC	X	15 10 59 02.8–.50	14N–6.0	92W–4.0	1	4.3b,4.1	**¶625379369**	
SNET	X	15 10 59 15.6	14N–28	91W–28	35–493	3.9,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**16 08 44 06.6–1.6**	**13.83N–.05**	**91.51W–.04**	**6–10**		**135**	**1-7**
SNET	X	16 08 44 07.1	14N–2.0	92W–2.0	30–186	3.9,3.9	**¶625379462**	
GCG	X	16 08 44 07.7–.90	13.88N	91.58W	25–6	3.7,3.9		
CATAC	X	16 08 44 08.3–.54	14N–3.0	91W–2.0	12–3	3.6,3.6		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**24 07 46 59.3–2.0**	**13.47N–.08**	**90.94W–.06**	**30–14**		**62**	**1-2**
GCG	X	24 07 46 58.7–1.1	13.48N	91.05W	42–142	3.8	**¶625379953**	
SNET	X	24 07 47 07.9	14N–9.0	90W–9.0	29–2	3.3,3.3		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**17 02 29 03.5–1.6**	**13.78N–.09**	**90.77W–.06**	**73**		**72**	**1-4**
GCG	X	17 02 29 02.6–.89	13.73N	90.77W	57–15	3.4	**¶625379584**	
SNET	X	17 02 29 02.1	14N–3.0	91W–3.0	29–2	3.6,3.4		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**24 06 33 28.0–1.9**	**13.65N–.08**	**90.74W–.08**	**38**		**37**	**1-6**
GCG	X	24 06 33 21.5–1.0	13.47N	90.88W	13–999	3.6	**¶625379989**	
SNET	X	24 06 33 28.1–3.0	14N–10	91W–22	10	3.2,3.2		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**16 10 31 09.6–3.2**	**13.03N–.10**	**91.42W–.07**	**17–24**		**115**	**2-5**
SNET	X	16 10 31 07.4	13N–62	92W–62	15–136	4.1,4.1	**¶625379428**	
GCG	X	16 10 31 09.3–.54	12.98N	91.46W	18–48	3.8,4.1		
CATAC	X	16 10 31 12.0–.49	13N–4.0	91W–2.0	1	3.5,3.5		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**23 15 22 52.9–3.3**	**13.1N–.20**	**90.3W–.10**	**29–15**		**18**	**1-2**
GCG	X	23 15 22 56.4–.66	13.29N	90.22W	48–48	3.5	**¶626018850**	
CATAC	X	23 15 23 01.6–1.2	14N–7.0	90W–7.0	22–4	2.5,2.5		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**16 18 27 39.9–1.3**	**13.37N–.04**	**90.33W–.03**	**13–8**		**216**	**1-38**
CATAC	X	16 18 27 39.0–.58	13N–3.0	90W–2.0	18–4	4.2,4.2	**¶625379415**	
GCG	X	16 18 27 39.7–.69	13.35N	90.41W	39–7	3.8,4.2		
SNET	X	16 18 27 40.1	13N–2.0	90W–2.0	30–1	4.1,4.1		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**21 20 59 01.1–2.4**	**13.34N–.08**	**90.36W–.08**	**12–11**		**52**	**1-2**
SNET	X	21 20 59 00.7–3.1	13N–12	90W–19	10	3.4,3.4	**¶625379745**	
CATAC	X	21 20 59 01.8–1.0	13N–5.0	90W–5.0	10–5	3.1,3.1		
GCG	X	21 20 59 02.1–.80	13.31N	90.34W	20–8	3.7,3.1		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=12.0km s-min=9.9km az=139.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=8.4km s-min=7.9km az=-1.0. Presumed earthquake.

ISC	**X**	**26 19 16 08.6–1.2**	**13.94N–.05**	**90.09W–.05**	**16–9**		**28**	**0-4**
SNET	X	26 19 16 08.1	14N–2.0	90W–2.0	1–2	3.0,3.0	**¶625380159**	
GCG	X	26 19 16 09.8–.89	14.04N	90.02W	9–7	3.5,3.0		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Error ellipse: s-maj=5.7km s-min=4.1km az=-1.0. Presumed earthquake.

ISC	**X**	**28 08 45 53.9–1.9**	**13.59N–.08**	**90.54W–.07**	**38**		**61**	**1-4**
SNET	X	28 08 45 53.2	14N–3.0	91W–3.0	44–7	3.2,3.0	**¶625380402**	
GCG	X	28 08 45 54.0–1.0	13.65N	90.51W	45–27	3.5,3.0		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=9.6km s-min=4.6km az=-1.0. Presumed earthquake.

ISC	**X**	**27 08 20 58.2–1.7**	**13.88N–.07**	**91.59W–.06**	**6–13**		**135**	**1-6**
GCG	X	27 08 20 57.1–1.4	13.71N	91.64W	1–79	4.2	**¶625380316**	
CATAC	X	27 08 21 01.8–.77	14N–9.0	91W–7.0	9–8	3.6,3.6		
SNET	X	27 08 21 01.4	14N–6.0	92W–6.0	35–787	3.9,3.8		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**27 21 07 11.1–3.5**	**13.2N–.20**	**90.3W–.10**	**23–16**		**18**	**1-1**
GCG	X	27 21 07 11.7–.92	13.26N	90.32W	25–7	3.5	**¶625380212**	
SNET	X	27 21 07 12.6	13N–11	90W–11	22–3	2.9,2.9		

ISC Event type se.
GCG Event type se. Presumed earthquake.

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 30 08 57 07.4–2.0 13.9N–.10 90.59W–.09 87–17 22 0-2
SNET X 30 08 57 07.0 14N–4.0 91W–4.0 32–3 3.6,3.4 **¶625380752**
GCG X 30 08 57 07.2–1.1 13.84N 90.65W 66–12 3.6,3.4
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=13.0km s-min=5.4km az=-1.0. Presumed earthquake.
ISC X 29 08 58 13.9–1.6 13.24N–.05 90.36W–.04 10–10 177 1-6
CATAC X 29 08 58 14.8–.64 13N–4.0 90W–4.0 11–3 3.7,3.7 **¶625380622**
GCG X 29 08 58 15.7–1.1 13.32N 90.40W 16–8 3.9,3.7
SNET X 29 08 58 18.5–2.2 13N–10 90W–13 14–4 3.7,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 29 06 48 02.7–2.9 13.4N–.20 90.1W–.10 58 27 0-1
GCG X 29 06 48 02.8–.48 13.40N 90.10W 50–28 3.5 **¶625380661**
SNET X 29 06 48 03.5 13N–2.0 90W–2.0 55–2 2.9,2.9
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 04 05 04 00.7–1.8 13.33N–.05 90.27W–.05 2–11 134 1-4
CATAC XI 04 05 04 01.0–.53 13N–3.0 90W–2.0 12–2 3.4,3.4 **¶635690643**
GCG XI 04 05 04 02.7–1.1 13.35N 90.31W 13–16 3.9,3.8W
SNET XI 04 05 04 02.3 13N–3.0 90W–3.0 24–2 3.4,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 03 05 30 18.6–1.4 13.39N–.06 90.24W–.04 42–17 192 0-7
SNET XI 03 05 30 16.6 13N–1.0 90W–1.0 44–3 4.0,3.9 **¶635690529**
GCG XI 03 05 30 16.4–1.2 13.40N 90.29W 17–9 4.0,3.9
CATAC XI 03 05 30 17.3–.69 13N–4.0 90W–2.0 29–5 3.9,3.9
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 30 20 05 00.5–1.9 13.39N–.08 90.06W–.06 27–12 74 0-4
SNET X 30 20 04 57.3 13N–6.0 90W–6.0 52–10 3.5,3.4 **¶625380715**
GCG X 30 20 04 59.4–1.1 13.40N 90.15W 14–27 3.4,3.4
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=13.3km s-min=7.0km az=-1.0. Presumed earthquake.
GCG XI 03 12 36 02.0–1.1 13.51N 90.53W 35–7 3.1
¶626019909
GCG Event type se. Error ellipse: s-maj=16.9km s-min=15.7km az=-1.0. Presumed earthquake.
ISC XI 08 18 59 47.6–1.2 13.35N–.04 90.61W–.03 19–3 226 1-147
IDC XI 08 18 59 42.3–2.7 13.02N 90.65W 0 3.7,3.6b **¶635691306**
GCG XI 08 18 59 47.5–1.8 13.37N 90.68W 18–13 4.1,3.6b
CATAC XI 08 18 59 47.4–.54 13N–3.0 91W–3.0 13–4 4.2,4.2
SNET XI 08 18 59 48.9 13.4N–.50 90.6W–.50 21–0 4.2,4.2
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 05 02 16 42.3–1.3 13.67N–.05 90.25W–.04 75–8 184 0-4
SNET XI 05 02 16 39.3–1.8 14N–9.0 91W–13 59–14 4.0,4.0 **¶635690724**
CATAC XI 05 02 16 41.4–.34 14N–4.0 90W–2.0 59–6 3.7,3.7
GCG XI 05 02 16 42.2–1.1 13.67N 90.22W 69–10 3.6,3.7
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=9.0km s-min=3.4km az=20.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=7.6km s-min=3.7km az=-1.0. Presumed earthquake.
ISC XI 06 05 04 16.4–.75 13.55N–.04 90.00W–.03 64–5 4.2b 325 0-137
GCG XI 06 05 04 15.7–.64 13.53N 90.07W 59–13 3.8 **¶635690783**
CATAC XI 06 05 04 15.7–.29 13N–2.0 90W–1.0 37–4 4.3,4.3
NEIC XI 06 05 04 16.9–1.8 13.5N–.10 89.95W–.09 61–9 4.3b,4.3
IDC XI 06 05 04 16.5–2.1 14.00N 89.62W 52–28 3.8,3.7L
SNET XI 06 05 04 17.4–.68 14N–5.0 90W–5.0 29–2 4.1,4.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG XI 07 05 51 40.6–.29 13.99N 90.03W 1–0 2.3
¶626020326
GCG Event type se. Error ellipse: s-maj=1.7km s-min=1.1km az=-1.0. Presumed earthquake.
ISC XI 08 01 42 13.9–3.3 13.54N–.07 91.04W–.07 13–25 60 1-5
GCG XI 08 01 42 12.8–1.2 13.49N 91.07W 10–46 4.3L,4.2 **¶635691362**
SNET XI 08 01 42 15.4 14N–5.0 91W–5.0 18–3 3.8,3.8
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 06 13 36 28.1–1.2 13.51N–.05 90.03W–.04 52–8 172 0-9
GCG XI 06 13 36 26.8–.93 13.53N 90.08W 49–13 3.5 **¶635690763**
CATAC XI 06 13 36 26.4–.42 13N–3.0 90W–2.0 32–3 4.6b,4.2
SNET XI 06 13 36 29.2–.72 14N–4.0 90W–6.0 25–2 3.9,3.9
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG XI 06 14 33 34.4–.63 13.97N 90.00W 7–3 2.2
¶626020208
GCG Event type se. Error ellipse: s-maj=8.4km s-min=3.6km az=-1.0. Presumed earthquake.
ISC XI 08 12 39 55.0–.96 13.62N–.05 90.65W–.03 55–9 4.0b 232 1-147
IDC XI 08 12 39 48.8–1.6 13.46N 90.82W 0 3.8b,3.6L **¶635691324**
CATAC XI 08 12 39 52.7–.68 13N–6.0 91W–4.0 9–5 4.3,4.3
GCG XI 08 12 39 53.4–1.3 13.62N 90.72W 50–4 3.8,4.3
NEIC XI 08 12 39 53.2–1.2 13.52N–.03 90.75W–.07 35–2 4.1b,4.3
SNET XI 08 12 39 55.6 14N–2.0 91W–2.0 32–1 4.2,4.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 09 01 31 56.8–1.4 13.45N–.04 90.86W–.04 10–10 206 1-6
GCG XI 09 01 32 01.9–1.9 13.55N 90.72W 17–14 4.0,3.6W **¶635691542**
CATAC XI 09 01 32 02.8–.52 13N–3.0 91W–2.0 31–8 4.1,4.1
SNET XI 09 01 32 02.3 14N–2.0 91W–2.0 17–1 4.1,4.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 11 14 06 05.2–1.7 13.61N–.07 90.13W–.06 46–10 69 0-2
GCG XI 11 14 06 01.7–.82 13.52N 90.22W 60–19 3.5,3.0W **¶635691590**
SNET XI 11 14 06 02.0 14N–1.0 90W–1.0 53–1 3.4,3.4
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 14 10 56 26.7–1.4 13.26N–.05 90.72W–.03 14–9 193 1-7
GCG XI 14 10 56 30.5–1.1 13.41N 90.66W 19–8 3.8 **¶635691743**
CATAC XI 14 10 56 31.0–.57 13N–4.0 91W–2.0 28–5 3.9,3.9
SNET XI 14 10 56 31.0 13N–1.0 91W–1.0 7–2 4.0,3.9
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 13 05 47 25.8–2.4 13.70N–.09 91.46W–.09 26–16 27 1-3
GCG XI 13 05 47 30.6–.82 14.14N 91.43W 56–12 3.4 **¶626020725**
SNET XI 13 05 47 40.2 14N–1.0 91W–1.0 25–0 3.1,2.9
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 13 07 19 32.2–2.8 13.2N–.10 90.30W–.10 10 23 1-2
GCG XI 13 07 19 34.0–.46 13.31N 90.34W 14–38 3.5 **¶626020729**
SNET XI 13 07 19 36.0 13N–2.0 90W–2.0 29–2 3.1,2.8
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 18 16 54 38.6–1.8 13.52N–.06 90.92W–.06 20–5 106 1-5
GCG XI 18 16 54 37.6–1.7 13.51N 90.99W 14–11 3.8,3.6L **¶635692145**
CATAC XI 18 16 54 42.7–3.0 14N–11 91W–21 5 3.9,3.9
SNET XI 18 16 54 42.0 14N–10 91W–10 31–6 4.7,4.5
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XI 17 19 01 48.7–.32 13.73N–.03 90.17W–.03 100–2 4.9b 899 0-147
IDC XI 17 19 01 49.4–.70 14.03N 89.75W 100–5 4.5,4.1b **¶635691981**
NEIC XI 17 19 01 49.7–2.1 13.88N–.08 90.00W–.07 99–5 4.9b,4.1b
GCMT XI 17 19 01 49.4–.20 13.82N–.01 90.14W–.01 87–3 5.0W,4.1b
CATAC XI 17 19 01 49.9–.17 14N–2.0 90W–1.0 76–2 5.4b,5.3
SNET XI 17 19 01 49.6 14N–1.0 90W–1.0 82–0 5.2,5.2
GCG XI 17 19 01 49.5–1.2 13.70N 90.19W 77–9 5.1L,4.5
GFZ XI 17 19 01 52.4–.56 14N–5.0 90W–6.0 110–6 5.5b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111171901A. Moment Tensor Solution. s54,c71; s117,c172; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.54±.12 $M_{\theta\theta}$1.28±.14; $M_{\phi\phi}$-0.73±.14; $M_{r\theta}$3.26±.05; $M_{\theta\phi}$-1.58±.12; $M_{\phi r}$-1.16±.06; Best double couple: NP1:ϕ_s160.00000°,δ16.00000°,λ-35.00000°. NP2:ϕ_s284.00000°,δ81.00000°,λ-103.00000°. Principal axes: T 4.4900,Plg34.0000°,Azm25.0000°; N -1.4710,Plg13.0000°,Azm286.0000° ; P -3.0150,Plg52.0000°,Azm178.0000° $M_0$3.75200×10^{16}
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27 $M_{\theta\theta}$1.56 $M_{\phi\phi}$-1.29 $M_{r\theta}$2.82 $M_{\theta\phi}$-0.75 $M_{\phi r}$-1.08 NP1:ϕ_s60.95007°,δ14.40954°,λ-145.38567°. NP2:ϕ_s297.18696°,δ81.87346°,λ-78.06040°. Principal axes: T 3.9049,Plg35.7963°,Azm16.7965°; N -1.3970,Plg11.8180°,Azm115.4748° ; P -2.5079,Plg51.7039°,Azm220.8405° $M_0$3.42702×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.42 $M_{\theta\theta}$1.12 $M_{\phi\phi}$0.30 $M_{r\theta}$0.12 $M_{\theta\phi}$-0.23 $M_{\phi r}$0.00 NP1: ϕ_s105.86083°,δ42.44964°,λ-88.32293°. NP2:ϕ_s283.58852°,δ47.57281°,λ-91.53346°. Principal axes: T 1.1810,Plg2.5621°,Azm14.6739°; N 0.2428,Plg1.1318°,Azm284.6232° ; P -1.4239,Plg87.1987°,Azm170.8087° $M_0$1.31932×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.28 $M_{\theta\theta}$0.93 $M_{\phi\phi}$0.35 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.01 NP1: ϕ_s111.43289°,δ42.91592°,λ-87.55730°. NP2:ϕ_s288.09922°,δ47.13247°,λ-92.26929°. Principal axes: T 1.0190,Plg2.1092°,Azm19.7047°; N 0.2653,Plg1.6630°,Azm289.6435° ; P -1.2843,Plg87.3136°,Azm161.4168° $M_0$1.17431×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.38 $M_{\theta\theta}$0.93 $M_{\phi\phi}$0.45 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.22 $M_{\phi r}$0.00 NP1: ϕ_s112.21480°,δ42.97310°,λ-88.28913°. NP2:ϕ_s289.87711°,δ47.05069°,λ-91.59326°. Principal axes: T 1.0127,Plg2.0392°,Azm21.0044°; N 0.3704,Plg1.1661°,Azm290.9628° ; P -1.3831,Plg87.6507°,Azm171.2169° $M_0$1.24009×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35 $M_{\theta\theta}$1.05 $M_{\phi\phi}$0.30 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.22 $M_{\phi r}$-0.00 NP1: ϕ_s106.96004°,δ41.02753°,λ-87.63502°. NP2:ϕ_s283.82645°,δ49.01492°,λ-92.05637°. Principal axes: T 1.1248,Plg3.9952°,Azm15.2839°; N 0.2403,Plg1.5522°,Azm285.1755° ; P -1.3651,Plg85.7130°,Azm173.9846° $M_0$1.26223×10^{16}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 16 06 18 49.8–1.5 13.05N–.05 90.65W–.04 17–9 4.2b 242 1-147
GCG XI 16 06 18 46.4–.67 12.95N 90.75W 5–7 4.1,3.7W **¶635691879**
CATAC XI 16 06 18 48.7–.74 13N–3.0 91W–3.0 17–7 5.2b,4.6
NEIC XI 16 06 18 52.5–1.4 13.08N–.08 90.45W–.05 34–9 4.2b,4.6
IDC XI 16 06 18 53.0–1.9 13.28N 90.44W 54–16 3.9,3.6b
SNET XI 16 06 18 57.3 13N–3.0 90W–3.0 34–1 4.1,4.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.38 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$0.35 $M_{r\theta}$1.12 $M_{\theta\phi}$0.32 $M_{\phi r}$-0.65 NP1:ϕ_s122.47337°,δ78.92622°,λ103.34710°. NP2:ϕ_s251.46535°,δ17.27837°,λ40.29167°. Principal axes: T 1.2609,Plg54.1950°,Azm48.6752°; N 0.3595,Plg13.0941°,Azm299.8642° ; P -1.6205,Plg32.6415°,Azm201.2957° $M_0$1.47398×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.32 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$0.21 $M_{r\theta}$0.97 $M_{\theta\phi}$0.31 $M_{\phi r}$-0.55 NP1: ϕ_s120.87794°,δ78.80896°,λ97.85292°. NP2:ϕ_s265.47835°,δ13.64260°,λ55.37097°. Principal axes: T 1.0696,Plg55.5269°,Azm40.7057°; N 0.2951,Plg7.7027°,Azm299.3446° ; P -1.3646,Plg33.3616°,Azm204.2355° $M_0$1.24364×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$0.26 $M_{r\theta}$2.17 $M_{\theta\phi}$-0.21 $M_{\phi r}$-1.99 NP1: ϕ_s311.90557°,δ89.32866°,λ-95.71811°. NP2:ϕ_s215.23156°,δ5.75725°,λ-6.70753°. Principal axes: T 3.0593,Plg44.0475°,Azm47.5306°; N -0.2009,Plg5.7177°,Azm311.9728° ; P -2.8584,Plg45.3836°,Azm216.1487° $M_0$2.96396×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.39 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$1.06 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.02 $M_{\phi r}$1.73 NP1: ϕ_s168.57422°,δ79.47120°,λ-99.92465°. NP2:ϕ_s32.33168°,δ14.43056°,λ-47.15927°. Principal axes: T 2.2187,Plg33.7512°,Azm267.0028°; N -0.6306,Plg9.7559°,Azm170.4055° ; P -1.5881,Plg54.4893°,Azm66.4627° $M_0$1.98021×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC XI 16 13 47 01.1–1.8 13.25N–.06 90.37W–.04 8–10 106 1-2
CATAC XI 16 13 47 02.8–.64 13N–4.0 90W–3.0 12–3 3.6,3.6 **¶635691841**
GCG XI 16 13 47 03.0–1.3 13.30N 90.38W 29–4 3.6,3.6
SNET XI 16 13 47 04.1 13N–5.0 90W–5.0 23–4 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**18 16 56 56.9–.32**	**13.50N–.02**	**90.90W–.02**	**31–2**	**5.4s,5.3b**	**1341**	**1-163**
IDC	XI	18 16 56 52.5–.39	13.73N	90.47W	0	5.4L,5.3s		**¶621416071**
NEIC	XI	18 16 56 56.8–2.7	13.57N–.08	90.78W–.07	28–3	5.7,5.4		
NEIC	XI	18 16 56 56.6	13.49N	90.83W	28	5.7,5.4		
GCG	XI	18 16 56 56.6–1.8	13.50N	91.03W	20–8	5.7L,5.4		
CATAC	XI	18 16 56 56.8–.22	13N–2.0	91W–1.0	10	5.9b,5.9b		
MOS	XI	18 16 56 57.3–1.2	13.84N	90.57W	33	5.4s,5.3b		
SNET	XI	18 16 56 57.4–.44	14N–2.0	91W–2.0	11–3	5.8,5.7		
PTWC	XI	18 16 56 57	13.60N	91.00W	10	5.7,5.7		
NEIC	XI	18 16 56 57.3	13.59N	90.79W	30	5.7,5.7		
GFZ	XI	18 16 56 58.9	13.58N	90.84W	28	5.8W,5.7		
GFZ	XI	18 16 56 58.9–.19	14N–2.0	91W–2.0	36–1	5.9L,5.8		
GCMT	XI	18 16 57 01.3–.10	13.42N–.01	91.23W–.01	32–0	5.9W,5.8		
NEIC	XI	18 16 57 08.1	13.59N	90.72W	30	5.8,5.8		

ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=9.8km az=49.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.5km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.24 $M_{\theta\theta}$-2.74 $M_{\phi\phi}$-1.50 $M_{r\theta}$0.96 $M_{\theta\phi}$1.97 $M_{\phi r}$-0.88 NP1:ϕ_s304.49000°,δ36.51000°,λ87.12000°. NP2:ϕ_s128.07000°,δ53.55000°,λ92.13000°. Principal axes: T 4.4365,Plg81.0000°,Azm48.0000°; N -0.0548,Plg2.0000°,Azm307.0000°; P -4.3817,Plg9.0000°,Azm217.0000° M_o4.41000×10^{17}
NEIC Event type se.
GCG Event type se. Error ellipse: s-maj=11.2km s-min=5.8km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=4.4km s-min=1.8km az=26.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.45 $M_{\theta\theta}$-3.65 $M_{\phi\phi}$-0.79 $M_{r\theta}$1.81 $M_{\theta\phi}$1.65 $M_{\phi r}$-1.01 NP1:ϕ_s116.52545°,δ57.55791°,λ92.10220°. NP2:ϕ_s292.61104°,δ32.50270°,λ86.69723°. Principal axes: T 4.9103,Plg77.3367°,Azm33.3206°; N -0.0433,Plg1.7740°,Azm295.3974°; P -4.8670,Plg12.5343°,Azm205.0028° M_o4.88883×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.72 $M_{\theta\theta}$-3.87 $M_{\phi\phi}$-0.85 $M_{r\theta}$1.94 $M_{\theta\phi}$1.95 $M_{\phi r}$-1.01 NP1:ϕ_s116.68399°,δ57.27469°,λ90.61192°. NP2:ϕ_s295.55219°,δ32.73039°,λ89.04787°. Principal axes: T 5.1966,Plg77.7162°,Azm28.7181°; N 0.1108,Plg0.5148°,Azm296.3532°; P -5.3074,Plg12.2727°,Azm206.2412° M_o5.25289×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.24 $M_{\theta\theta}$-3.32 $M_{\phi\phi}$-0.93 $M_{r\theta}$1.53 $M_{\theta\phi}$1.76 $M_{\phi r}$-0.64 NP1:ϕ_s116.01354°,δ55.63969°,λ87.86905°. NP2:ϕ_s299.78546°,δ34.41822°,λ93.11303°. Principal axes: T 4.5586,Plg79.2358°,Azm17.9207°; N 0.0010,Plg1.7590°,Azm117.2166°; P -4.5595,Plg10.6162°,Azm207.5464° M_o4.55905×10^{17}
MOS Error ellipse: s-maj=9.7km s-min=5.3km az=109.2.
SNET Error ellipse: s-maj=5.6km s-min=2.5km az=22.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.38 $M_{\theta\theta}$-3.73 $M_{\phi\phi}$-1.64 $M_{r\theta}$4.58 $M_{\theta\phi}$2.05 $M_{\phi r}$-2.97 NP1:ϕ_s122.54517°,δ68.23952°,λ90.72450°. NP2:ϕ_s300.59155°,δ21.77195°,λ88.18564°. Principal axes: T 7.7203,Plg66.7529°,Azm33.8432°; N -0.3881,Plg0.6729°,Azm302.2766°; P -7.3322,Plg23.2362°,Azm211.9877° M_o7.53375×10^{17}
GFZ Error ellipse: s-maj=5.6km s-min=3.1km az=60.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111181656A. Moment Tensor Solution. s147,c281; s161,c453;Duration: 2s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.68±.01 $M_{\theta\theta}$-0.51±.01; $M_{\phi\phi}$-0.16±.01; $M_{r\theta}$0.30±.01; $M_{\theta\phi}$0.28±.00; $M_{\phi r}$-0.29±.01; Best double couple: NP1:ϕ_s292.00000°,δ30.00000°,λ77.00000°. NP2:ϕ_s126.00000°,δ61.00000°,λ97.00000°. Principal axes: T 0.8030,Plg73.0000°,Azm54.0000°; N -0.0230,Plg6.0000°,Azm303.0000°; P -0.7800,Plg16.0000°,Azm211.0000° M_o0.79100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s2 Moment tensor: Scale 10^{17}Nm; M_{rr}6.22 $M_{\theta\theta}$-4.90 $M_{\phi\phi}$-1.32 $M_{r\theta}$1.98 $M_{\theta\phi}$2.97 $M_{\phi r}$0.00 NP1:ϕ_s308.33000°,δ38.15000°,λ103.96000°. NP2:ϕ_s110.79000°,δ53.17000°,λ79.27000°. Principal axes: T 6.5999,Plg79.0000°,Azm339.0000°; N 0.2049,Plg9.0000°,Azm117.0000°; P -6.8048,Plg8.0000°,Azm208.0000° M_o6.70000×10^{17}

ISC	**XI**	**18 17 15 04.2–1.5**	**13.38N–.06**	**90.95W–.03**	**9–10**		**80**	**1-3**
CATAC	XI	18 17 15 07.4–.53	13N–4.0	91W–2.0	4–2	3.8,3.8		**¶635692115**
GCG	XI	18 17 15 07.2–2.0	13.51N	91.09W	35–25	3.8L,3.8		
SNET	XI	18 17 15 10.9	14N–3.0	91W–3.0	24–1	3.9,3.7		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XII**	**03 09 58 38.2–1.9**	**13.44N–.07**	**91.42W–.05**	**6–12**		**95**	**1-3**
CATAC	XII	03 09 58 38.6–.70	13N–7.0	91W–5.0	7–9	3.7,3.7		**¶625381097**
GCG	XII	03 09 58 40.4–.97	13.44N	91.33W	1–8	3.6,3.7		
SNET	XII	03 09 58 40.3–.88	14N–5.0	91W–3.0	1–6	3.9,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**18 17 23 49.3–.74**	**13.47N–.05**	**90.97W–.04**	**46–6**	**4.5b**	**412**	**1-147**
CATAC	XI	18 17 23 46.5–.68	13N–4.0	91W–2.0	2–3	5.0,5.0		**¶635692108**
GFZ	XI	18 17 23 48.5–.36	13N–5.0	91W–4.0	30–2	7.4,7.4b		
GCG	XI	18 17 23 49.9–2.1	13.59N	91.07W	45–79	4.7L,4.2		
NEIC	XI	18 17 23 51.9–2.4	13.57N–.08	90.80W–.07	61–5	4.5b,4.2		
SNET	XI	18 17 23 52.0	14N–2.0	91W–2.0	12–3	4.8,4.8		
IDC	XI	18 17 23 54.5–2.5	13.68N	90.58W	84–21	4.3,4.0b		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.8km s-min=3.6km az=21.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-0.49 $M_{r\theta}$0.84 $M_{\theta\phi}$0.44 $M_{\phi r}$-0.29 NP1:ϕ_s118.33705°,δ66.62092°,λ77.99322°. NP2:ϕ_s326.52708°,δ26.12720°,λ115.69709°. Principal axes: T 1.3740,Plg66.2687°,Azm6.8983°; N -0.1315,Plg11.0081°,Azm123.1611°; P -1.2425,Plg20.7484°,Azm217.3872° M_o1.31316×10^{16}
GFZ Error ellipse: s-maj=12.4km s-min=5.3km az=35.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCG Event type se. Error ellipse: s-maj=18.8km s-min=7.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.0km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
IDC Error ellipse: s-maj=25.0km s-min=11.2km az=55.0.

ISC	**XI**	**18 17 26 52.5–.82**	**13.52N–.04**	**90.97W–.03**	**56–7**	**4.7b**	**462**	**1-147**
CATAC	XI	18 17 26 49.6–.36	14N–2.0	91W–1.0	10–2	5.6b,5.2b		**¶621416073**
GCG	XI	18 17 26 50.5–1.7	13.48N	91.02W	50–56	4.8L,4.6		
SNET	XI	18 17 26 53.3–.64	14N–4.0	91W–2.0	25–6	4.8,4.8		
NEIC	XI	18 17 26 54.6–1.7	13.69N–.07	90.74W–.02	63–6	4.7b,4.8		
IDC	XI	18 17 26 57.3–2.7	13.72N	90.62W	91–22	4.4,4.1b		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.0km s-min=2.6km az=23.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.73 $M_{\theta\theta}$-1.61 $M_{\phi\phi}$-1.12 $M_{r\theta}$7.40 $M_{\theta\phi}$4.74 $M_{\phi r}$-2.75 NP1:ϕ_s107.74606°,δ78.70471°,λ67.51039°. NP2:ϕ_s352.42703°,δ25.03456°,λ152.42826°. Principal axes: T 8.3250,Plg51.1850°,Azm352.1820°; N 2.0401,Plg22.0309°,Azm112.3819°; P -10.3651,Plg30.1442°,Azm215.9728° M_o9.51063×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.53 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$0.06 $M_{r\theta}$0.83 $M_{\theta\phi}$0.10 $M_{\phi r}$-0.36 NP1:ϕ_s111.57903°,δ74.28086°,λ98.09035°. NP2:ϕ_s263.89361°,δ17.63214°,λ63.43322°. Principal axes: T 1.0513,Plg59.9351°,Azm33.0364°; N 0.0440,Plg7.7859°,Azm289.3736°; P -1.0953,Plg28.8368°,Azm195.0561° M_o1.07395×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.72 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$-0.25 $M_{r\theta}$1.32 $M_{\theta\phi}$0.56 $M_{\phi r}$-0.80 NP1:ϕ_s117.93923°,δ66.15220°,λ95.29472°. NP2:ϕ_s285.02910°,δ24.39493°,λ78.20872°. Principal axes: T 2.3238,Plg68.4139°,Azm38.1553°; N -0.0577,Plg4.8415°,Azm295.7934°; P -2.2661,Plg20.9828°,Azm203.9318° M_o2.29551×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.89 $M_{\theta\theta}$-3.28 $M_{\phi\phi}$-0.61 $M_{r\theta}$7.17 $M_{\theta\phi}$4.07 $M_{\phi r}$-2.70 NP1:ϕ_s110.37756°,δ74.33562°,λ76.74366°. NP2:ϕ_s331.48334°,δ20.41293°,λ129.27428°. Principal axes: T 8.3262,Plg58.6079°,Azm2.2409°; N 1.8730,Plg12.7555°,Azm114.0172°; P -10.1991,Plg28.1501°,Azm210.9744° M_o9.40361×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$0.09 $M_{r\theta}$0.80 $M_{\theta\phi}$0.17 $M_{\phi r}$-0.36 NP1:ϕ_s111.66676°,δ70.73105°,λ98.48315°. NP2:ϕ_s267.34537°,δ20.98853°,λ67.12124°. Principal axes: T 1.0866,Plg63.3214°,Azm35.1009°; N 0.0913,Plg8.0047°,Azm288.8489°; P -1.1779,Plg25.2675°,Azm195.0431° M_o1.13505×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.89 $M_{\theta\theta}$-3.28 $M_{\phi\phi}$-0.61 $M_{r\theta}$7.17 $M_{\theta\phi}$4.07 $M_{\phi r}$-2.70 NP1:ϕ_s110.37756°,δ74.33562°,λ76.74366°. NP2:ϕ_s331.48334°,δ20.41293°,λ129.27428°. Principal axes: T 8.3262,Plg58.6079°,Azm2.2409°; N 1.8730,Plg12.7555°,Azm114.0172°; P -10.1991,Plg28.1501°,Azm210.9744° M_o9.40361×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$0.09 $M_{r\theta}$0.80 $M_{\theta\phi}$0.17 $M_{\phi r}$-0.36 NP1:ϕ_s111.66676°,δ70.73105°,λ98.48315°. NP2:ϕ_s267.34537°,δ20.98853°,λ67.12124°. Principal axes: T 1.0866,Plg63.3214°,Azm35.1009°; N 0.0913,Plg8.0047°,Azm288.8489°; P -1.1779,Plg25.2675°,Azm195.0431° M_o1.13505×10^{16}
GCG Event type se. Error ellipse: s-maj=14.7km s-min=8.0km az=-1.0. Presumed earthquake.
SNET Error ellipse: s-maj=8.4km s-min=3.4km az=16.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=1.5km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.6km s-min=12.1km az=60.0.

ISC	**XI**	**20 00 40 14.9–1.4**	**13.62N–.07**	**90.05W–.05**	**58**		**71**	**0-2**
SNET	XI	20 00 40 10.7	13N–4.0	90W–4.0	66–2	3.4,3.4		**¶635692266**
GCG	XI	20 00 40 12.2–.90	13.57N	90.13W	67–14	4.1L,3.7		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
GCG Event type se. Error ellipse: s-maj=6.6km s-min=5.4km az=-1.0. Presumed earthquake.

ISC	**XI**	**22 03 38 12.3–2.5**	**13.1N–.10**	**90.01W–.08**	**29**		**29**	**0-2**
SNET	XI	22 03 38 12.0	13N–5.0	90W–5.0	28–5	3.2,3.2		**¶635692318**
GCG	XI	22 03 38 12.2–1.9	13.18N	90.10W	23–11	3.7,3.2		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-EL_SALVADOR. confirmed.
GCG Event type se. Error ellipse: s-maj=13.8km s-min=10.0km az=-1.0. Presumed earthquake.

ISC	**XI**	**24 15 48 09.3–1.6**	**13.42N–.05**	**90.58W–.04**	**12–9**		**149**	**1-4**
GCG	XI	24 15 48 08.7–1.3	13.38N	90.71W	19–9	4.2L,3.9		**¶626020915**
SNET	XI	24 15 48 09.5	13N–2.0	91W–2.0	10–3	3.9,3.9		
CATAC	XI	24 15 48 10.6–.50	13N–4.0	91W–3.0	6–2	3.7,3.7		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**18 18 09 10.4–1.1**	**13.38N–.04**	**91.02W–.03**	**1–6**	**4.3b**	**320**	**1-147**
IDC	XI	18 18 09 07.4–1.3	13.03N	91.20W	0	4.0b,3.9		**¶621532494**
NEIC	XI	18 18 09 09.6–1.7	13.10N–.09	91.02W–.04	10–2	4.3b,3.9		
GCG	XI	18 18 09 14.5–1.3	13.51N	91.03W	50–7	4.6L,4.4		
SNET	XI	18 18 09 14.8–.57	14N–4.0	91W–2.0	7–3	5.8b,5.8b		
CATAC	XI	18 18 09 16.4–.33	13N–2.0	91W–1.0	8–2	5.2b,4.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.21 $M_{\theta\theta}$1.10 $M_{\phi\phi}$-0.89 $M_{r\theta}$-0.44 $M_{\theta\phi}$0.29 $M_{\phi r}$-1.84 NP1:ϕ_s294.25456°,δ28.47959°,λ-3.38892°. NP2:ϕ_s27.23417°,δ88.38474°,λ-118.43758°. Principal axes: T 1.7449,Plg36.9850°,Azm142.1662°; N 0.6788,Plg28.4252°,Azm28.1087°; P -2.4237,Plg39.9015°,Azm271.1985° M_o2.16565×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.23 $M_{\theta\theta}$0.70 $M_{\phi\phi}$-0.93 $M_{r\theta}$-0.66 $M_{\theta\phi}$0.36 $M_{\phi r}$-1.77 NP1:ϕ_s303.09464°,δ23.85295°,λ11.26060°. NP2:ϕ_s202.77425°,δ85.47086°,λ113.44373°. Principal axes: T 1.9553,Plg44.6318°,Azm136.0599°; N 0.2597,Plg23.3662°,Azm20.8130°; P -2.2150,Plg36.2190°,Azm272.3663° M_o2.09728×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.69 $M_{\theta\theta}$0.69 $M_{\phi\phi}$-1.38 $M_{r\theta}$-1.20 $M_{\theta\phi}$1.88 $M_{\phi r}$-1.19 NP1:ϕ_s290.91104°,δ58.31522°,λ20.94963°. NP2:ϕ_s189.54088°,δ72.28665°,λ146.53782°. Principal axes: T 2.9811,Plg35.9122°,Azm146.2893°; N -0.4249,Plg52.6268°,Azm344.8224°; P -2.5562,Plg8.9901°,Azm242.8684° M_o2.79297×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.38 $M_{\theta\theta}$-1.52 $M_{\phi\phi}$1.14 $M_{r\theta}$-1.25 $M_{\theta\phi}$1.69 $M_{\phi r}$-1.15 NP1:ϕ_s155.80143°,δ55.92528°,λ166.41716°. NP2:ϕ_s253.51052°,δ78.78279°,λ34.83290°. Principal axes: T 2.9607,Plg32.2575°,Azm120.1695°; N -0.4563,Plg53.6239°,Azm269.1287°; P -2.5044,Plg14.9882°,Azm20.4413° M_o2.76096×10^{15}

ISC	**XI**	**24 17 09 00.9–1.6**	**13.34N–.05**	**90.64W–.05**	**10–10**		**158**	**1-5**
SNET	XI	24 17 08 53.7–5.0	13N–19	91W–39	10	4.3,4.3		**¶635692489**
GCG	XI	24 17 09 00.7–1.4	13.33N	90.75W	15–12	3.9L,3.7		
CATAC	XI	24 17 09 02.6–.47	13N–3.0	91W–2.0	7–2	3.9,3.9		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**01 07 38 07.7–1.4**	**13.90N–.06**	**90.82W–.05**	**76–10**		**103**	**0-3**
SNET	XII	01 07 38 00.5–5.2	14N–15	91W–35	7–10	4.0,4.0		**¶625381015**
GCG	XII	01 07 38 06.9–1.2	13.87N	90.79W	74–12	3.7,4.0		
CATAC	XII	01 07 38 07.1–.33	14N–4.0	91W–2.0	59–5	3.5,3.5		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**18 17 03 23.7–1.9**	**13.43N–.07**	**91.06W–.04**	**0–12**		**36**	**1-3**
CATAC	XI	18 17 03 26.2–.66	14N–6.0	91W–3.0	7–6	3.9,3.9		**¶626020839**
GCG	XI	18 17 03 28.3–.59	13.53N	91.03W	15–9	3.5,3.9		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=14.1km s-min=4.7km az=17.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**08 13 28 14.2–1.7**	**13.47N–.07**	**90.80W–.06**	**57–11**		**96**	**0-3**
GCG	XII	08 13 28 11.2–1.6	13.36N	90.90W	53–33	4.3L,3.9		**¶625381410**
CATAC	XII	08 13 28 12.9–.60	13N–5.0	91W–2.0	3–2	3.8,3.8		
SNET	XII	08 13 28 12.0–.74	13N–7.0	91W–5.0	10	3.9,3.9		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**04 06 41 32.1–2.8**	**13.1N–.10**	**90.08W–.09**	**25–14**		**34**	**1-2**
CATAC	XII	04 06 41 31.6–.78	13N–4.0	90W–4.0	11–3	3.0,3.0		**¶625381192**
GCG	XII	04 06 41 33.2–.34	13.18N	90.12W	13–999	3.5,3.0		
SNET	XII	04 06 41 35.3	13N–1.0	90W–1.0	27–1	3.1,3.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC	**XII**	**06 21 30 44.5–1.5**	**13.51N–.07**	**90.43W–.04**	**29–12**		**51**	**1-2**
CATAC	XII	06 21 30 42.3–.92	13N–6.0	90W–4.0	18–4	3.3,3.3		**¶625381291**
GCG	XII	06 21 30 43.8–.67	13.55N	90.57W	28–5	3.5L,3.5		

SNET XII 06 21 30 43.8 13N–1.0 90W–1.0 26–0 3.5,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 09 14 57 08.4–1.5 13.44N–.06 90.37W–.04 33–7 68 1-2
GCG XII 09 14 57 07.2–.82 13.45N 90.43W 50–6 3.6,3.2W **¶625355761**
CATAC XII 09 14 57 07.6–.46 13N–3.0 90W–2.0 24–2 3.6,3.6
SNET XII 09 14 57 07.2 13N–6.0 90W–6.0 5–7 3.5,3.5
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 16 01 26 21.8–1.6 13.30N–.06 90.23W–.04 20–4 71 0-2
SNET XII 16 01 26 12.7–2.2 13N–14 91W–17 28–18 4.0,4.0 **¶625356387**
GCG XII 16 01 26 19.2–.84 13.24N 90.43W 15–10 3.9,4.0
CATAC XII 16 01 26 20.2–.51 13N–3.0 90W–2.0 8–2 3.4,3.4
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 12 20 54 15.7–1.4 13.59N–.06 90.72W–.04 38 57 0-2
CATAC XII 12 20 54 14.5–.54 14N–4.0 91W–2.0 32–5 3.5,3.5 **¶625356037**
GCG XII 12 20 54 15.0–.64 13.65N 90.75W 30–2 3.6,3.5
SNET XII 12 20 54 16.0 14N–2.0 91W–2.0 32–1 3.6,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 16 20 12 47.9–1.6 13.80N–.08 90.67W–.04 88–12 69 0-3
GCG XII 16 20 12 47.3–1.1 13.80N 90.72W 79–12 3.8,3.2W **¶625356338**
CATAC XII 16 20 12 47.4–.45 14N–5.0 91W–2.0 73–7 3.7,3.7
SNET XII 16 20 12 48.6 14N–4.0 91W–4.0 74–4 3.8,3.8
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 17 09 34 59.0–1.1 13.95N–.04 90.05W–.04 19–2 35 0-1
SNET XII 17 09 34 59.9 14.0N–.80 90.0W–.80 8–0 2.6,2.5 **¶625356448**
GCG XII 17 09 35 00.3–1.2 14.07N 90.10W 4–5 3.8,3.5W
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-EL_SALVADOR. confirmed.
GCG Event type se. Error ellipse: s-maj=6.4km s-min=3.2km az=-1.0. Presumed earthquake.
ISC XII 19 06 07 33.5–1.7 13.57N–.06 90.87W–.05 5–12 72 1-3
CATAC XII 19 06 07 36.7–.56 14N–5.0 91W–2.0 25–4 3.5,3.5 **¶625356664**
GCG XII 19 06 07 37.3–.76 13.64N 90.86W 31–4 3.8,3.5
SNET XII 19 06 07 38.0 14N–3.0 91W–3.0 22–2 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 18 10 13 47.4–2.0 13.29N–.08 90.28W–.06 20–5 76 1-2
GCG XII 18 10 13 47.5–1.1 13.33N 90.35W 18–8 3.8 **¶625356507**
CATAC XII 18 10 13 48.4–.59 13N–3.0 90W–3.0 16–3 3.6,3.6
SNET XII 18 10 13 49.3–1.8 13N–8.0 90W–11 16 3.6,3.6
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 17 12 20 05.6–.98 14.00N–.03 90.03W–.03 10–5 41 0-1
GCG XII 17 12 20 05.6–1.6 13.98N 90.03W 4–3 3.2 **¶625356420**
SNET XII 17 12 20 06.0 14.0N–.30 90.0W–.30 16–1 2.8,2.8
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
ISC XII 21 02 54 42.3–2.6 13.26N–.09 90.30W–.07 11–10 42 1-2
CATAC XII 21 02 54 42.8–.73 13N–4.0 90W–4.0 11–3 2.9,2.9 **¶625356842**
SNET XII 21 02 54 43.6 13N–3.0 90W–3.0 10–3 3.3,3.1
GCG XII 21 02 54 44.5–1.4 13.37N 90.25W 50–56 3.9,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.1km s-min=7.9km az=136.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
GCG Event type se. Error ellipse: s-maj=15.0km s-min=14.7km az=-1.0. Presumed earthquake.
ISC XII 20 04 39 10.8–1.5 13.75N–.05 90.23W–.05 73–7 96 0-3
SNET XII 20 04 39 08.0–1.2 14N–51 90W–10 57–24 2.9,2.9 **¶625356764**
GCG XII 20 04 39 09.5–.73 13.75N 90.24W 73–7 3.7,2.9
CATAC XII 20 04 39 09.1–.42 14N–3.0 90W–2.0 58–3 3.1,3.1
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 19 14 07 30.9–1.7 13.49N–.07 90.95W–.06 21–4 82 1-3
GCG XII 19 14 07 30.4–1.4 13.50N 91.06W 35–10 4.0 **¶625356626**
CATAC XII 19 14 07 30.9–.58 13N–4.0 91W–3.0 12–3 4.0,4.0
SNET XII 19 14 07 33.2 14N–1.0 91W–1.0 10–3 3.9,3.9
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 21 00 24 15.6–2.0 13.39N–.08 90.99W–.05 15–13 44 1-3
GCG XII 21 00 24 16.5–2.1 13.43N 91.18W 34–20 4.0,3.6W **¶625356862**
CATAC XII 21 00 24 16.8–1.1 13N–7.0 91W–4.0 3–7 3.4,3.4
SNET XII 21 00 24 20.8–.00 14N–7.0 91W–6.0 13–9 3.4,3.4
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 19 11 16 53.0–1.9 13.44N–.08 90.02W–.07 48–8 84 0-2
SNET XII 19 11 16 48.6–2.6 13N–15 90W–17 49–20 3.5,3.5 **¶625356641**
GCG XII 19 11 16 52.9–.64 13.49N 90.02W 45–11 3.6,3.5
CATAC XII 19 11 16 52.1–.47 13N–3.0 90W–3.0 31–2 3.2,3.2
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 19 22 24 33.2–2.4 13.29N–.08 91.17W–.06 8–14 54 1-147
IDC XII 19 22 24 32.5–1.5 13.14N 91.31W 0 3.7b,3.4 **¶625356589**
GCG XII 19 22 24 33.0–.91 13.30N 91.12W 0–10 4.1,3.4
CATAC XII 19 22 24 33.0–.95 13N–10 91W–6.0 5 3.7,3.7
SNET XII 19 22 24 33.2–1.0 13N–12 91W–7.0 0 3.8,3.7
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 24 19 30 36.4–1.5 13.84N–.07 90.79W–.04 83–9 58 0-3
GCG XII 24 19 30 35.2–1.4 14.07N 90.75W 87–8 3.7 **¶625357019**
CATAC XII 24 19 30 35.3–.73 14N–6.0 91W–3.0 33–10 3.5,3.5
SNET XII 24 19 30 54.1–1.3 14N–11 91W–10 10 3.8,3.8
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 21 05 49 49.3–2.9 13.5N–.10 91.9W–.10 0–14 21 1-3
GCG XII 21 05 49 53.7–2.4 13.74N 91.90W 9–32 4.1 **¶625356836**
SNET XII 21 05 50 00.2–2.1 14N–13 92W–14 10 3.3,3.3
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC XII 22 01 36 36.1–.66 14N–4.0 91W–2.0 19–4 4.7b,4.1 ¶626091437
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 25 21 05 23.5–3.4 13.6N–.20 91.2W–.10 29 11 1-2
GCG XII 25 21 05 21.4–2.1 13.50N 91.46W 33–999 3.5 **¶625357113**
SNET XII 25 21 05 25.9 14N–7.0 91W–7.0 55–30 3.1,3.0
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 25 17 07 32.4–2.2 13.71N–.08 91.58W–.06 14–11 25 1-2
SNET XII 25 17 07 35.5 14N–5.0 92W–5.0 89–4 3.0,3.0 **¶625357120**
GCG XII 25 17 07 37.1–1.3 13.95N 91.58W 27–9 3.8,3.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=12.9km s-min=7.3km az=-1.0. Presumed earthquake.
ISC XII 26 02 32 53.7–2.1 13.84N–.08 91.56W–.06 33–3 60 1-3
CATAC XII 26 02 32 53.4–.70 14N–5.0 92W–4.0 25–7 3.7,3.7 **¶625357241**
GCG XII 26 02 32 53.4–1.3 13.87N 91.61W 34–8 4.0,3.7
SNET XII 26 02 32 54.5 14N–3.0 92W–3.0 30–5 3.5,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 31 08 57 42.9–1.9 13.63N–.08 91.43W–.05 15–10 71 1-3
SNET XII 31 08 57 16.7–2.8 13N–28 93W–22 258 4.5,4.5 **¶625357554**
CATAC XII 31 08 57 44.0–.54 14N–4.0 91W–3.0 6–3 3.9,3.9
GCG XII 31 08 57 44.3–1.2 13.65N 91.42W 50–8 4.1,3.9
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=9.7km s-min=4.0km az=28.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=11.0km s-min=10.0km az=-1.0. Presumed earthquake.
SNET XII 27 02 01 02.0 13N–2.0 90W–2.0 34–1 3.2,2.9 ¶625357277
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 26 16 06 22.5–.97 13.87N–.06 91.65W–.06 47–9 4.3b 88 1-51
GCG XII 26 16 06 20.5–1.9 13.92N 91.58W 10–34 3.9,3.3W **¶625357174**
CATAC XII 26 16 06 20.9–.51 14N–3.0 91W–3.0 1 4.0,4.0
SNET XII 26 16 06 20.8 14N–2.0 92W–2.0 67–3 4.0,4.0
NEIC XII 26 16 06 26.2–.78 14.3N–.10 91.2W–.10 55–17 4.5b,4.0
IDC XII 26 16 06 27.0–15 14.27N 90.28W 0 3.8L,3.6b
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=15.7km s-min=9.3km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=6.9km s-min=6.0km az=35.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=6.5km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=299.0km s-min=114.8km az=2.0.
ISC XII 31 05 18 47.6–1.6 13.56N–.08 90.12W–.05 66–8 64 0-3
CATAC XII 31 05 18 46.6–.41 14N–4.0 90W–2.0 48–4 3.0,3.0 **¶625357649**
GCG XII 31 05 18 48.1–1.1 13.67N 90.08W 64–22 3.3,3.0
SNET XII 31 05 18 48.5–1.4 14N–13 90W–10 39–7 2.7,2.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 31 16 35 42.4–2.9 13.2N–.10 90.6W–.10 24 9 1-2
SNET XII 31 16 35 44.9 13N–3.0 91W–3.0 31–3 4.8b,4.8b **¶625357531**
GCG XII 31 16 35 47.0–.39 13.51N 90.62W 22–4 3.4,4.8b
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
GCG Event type se. Error ellipse: s-maj=8.0km s-min=6.1km az=-1.0. Presumed earthquake.
ISC XII 31 18 44 07.1–1.4 13.31N–.05 90.31W–.03 29–11 4.0b,3.3s 64 1-147
IDC XII 31 18 44 03.2–1.3 13.28N 90.38W 0 3.7b,3.7 **¶625357505**
CATAC XII 31 18 44 05.7–.82 13N–5.0 90W–4.0 28–6 4.1,4.1
GCG XII 31 18 44 07.9–.74 13.40N 90.43W 28–6 4.4L,4.2
SNET XII 31 18 44 08.5–1.1 13N–7.0 90W–5.0 19–4 4.3,4.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

(730) Northern East Pacific Rise.

IDC X 06 10 42 14.4–10 9.01N 102.96W 0 3.5s,3.3 ¶621217146
IDC Error ellipse: s-maj=248.4km s-min=102.2km az=117.0.
ISC VIII 18 05 16 37.5–2.3 9.7N–.40 104.2W–.60 10 3.8s,3.7b 7 12-99
IDC VIII 18 05 16 35.7–2.6 9.70N 104.26W 0 3.7b,3.7 **¶621030345**
ISC Event type se.
IDC Error ellipse: s-maj=105.5km s-min=26.9km az=59.0.
ISC IX 05 09 46 09.0–1.8 13.2N–.20 105.1W–.30 35 3.1b 8 12-59
IDC IX 05 09 46 04.2–2.3 13.22N 104.93W 0 3.7L,3.6 **¶621086398**
ISC Event type se.
IDC Error ellipse: s-maj=78.1km s-min=25.3km az=60.0.

ISC X 11 20 23 49.2–.59 10.11N–.08 103.98W–.08 10 4.6b,4.0s 139 9-144
IDC X 11 20 23 47.4–1.1 10.12N 104.11W 0 4.1b,4.0 **¶621146410**
NEIC X 11 20 23 49.4–1.7 10.10N–.10 104.0W–.10 10–1 4.7b,4.0
GCMT X 11 20 23 54.0–.30 10.37N–.01 103.84W–.02 12 5.0W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110112024A. Moment Tensor Solution. s32,c36; s103,c152; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.09 $M_{\theta\theta}$-1.61±.08; $M_{\phi\phi}$1.89±.09; $M_{r\theta}$0.99±.24; $M_{\theta\phi}$2.82±.07; $M_{\phi r}$-0.56±.24; Best double couple: NP1:ϕ_s252.00000°,δ77.00000°,λ-14.00000°. NP2:ϕ_s346.00000°,δ77.00000°,λ-166.00000°. Principal axes: T 3.4590,Plg0.0000°,Azm119.0000°; N 0.1160,Plg71.0000°,Azm29.0000°; P -3.5720,Plg19.0000°,Azm209.0000° $M_0$3.51500×10^{16}
ISC XII 02 05 17 30.6–1.8 10.2N–.20 104.2W–.20 10 3.8b,3.7s 5 11-99
GCMT XII 02 05 17 28.0 10.50N 104.50W 10 4.8s,3.7s **¶621629869**
IDC XII 02 05 17 28.8–1.9 10.17N 104.29W 0 3.7L,3.7b
GCMT XII 02 05 17 32.6–.40 10.18N–.02 104.24W–.02 15 4.9W,3.7b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202112020517A. Moment Tensor Solution. s5,c5; s76,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.33±.08 $M_{\theta\theta}$-0.70±.06; $M_{\phi\phi}$1.03±.07; $M_{r\theta}$2.05±.23; $M_{\theta\phi}$1.20±.05; $M_{\phi r}$-1.18±.23; Best double couple: NP1:ϕ_s235.00000°,δ39.00000°,λ-10.00000°. NP2:ϕ_s333.00000°,δ84.00000°,λ-128.00000°. Principal axes: T 1.7130,Plg28.0000°,Azm92.0000°; N 1.5260,Plg38.0000°,Azm338.0000°; P -3.2350,Plg39.0000°,Azm208.0000° $M_0$2.47400×10^{16}

SEISMIC REGION 6.
Central America.

(72) Honduras.

SNET VII 11 11 48 11.8–1.8 14N–13 89W–7.0 10 3.7,3.4
¶625365810
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 16 08 48 28.0–1.6 14.69N–.06 88.19W–.03 5–10 42 0-2
CATAC VII 16 08 48 30.1–.42 15N–2.0 88W–2.0 3–1 3.2,3.2 **¶625366297**
SNET VII 16 08 48 30.1 14.7N–.60 88.2W–.60 13–2 3.4L,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
SNET VII 22 07 10 30.1–1.2 14N–9.0 89W–4.0 10 3.1,2.8
¶625366812
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 06 17 30 02.1–.37 13.14N–.03 87.63W–.03 204–3 4.8b 525 0-148
NEIC VIII 06 17 30 02.6–1.9 13.14N–.03 87.63W–.05 203–4 4.8b **¶625367973**
SNET VIII 06 17 30 02.4 13N–1.0 88W–1.0 200–1 4.3,4.3
IDC VIII 06 17 30 03.8–1.3 13.30N 87.41W 220–11 4.4,3.8b
GFZ VIII 06 17 30 03.4–.16 13N–2.0 88W–3.0 199 4.6b,4.4
CATAC VIII 06 17 30 03.8–.18 13N–2.0 88W–1.0 188–1 4.9b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.48 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.38 $M_{r\theta}$0.90 $M_{\theta\phi}$0.40 $M_{\phi r}$-0.74 NP1:ϕ_s130.29640°,δ77.56859°,λ80.95530°. NP2:ϕ_s346.77787°,δ15.33156°,λ125.49438°. Principal axes: T 1.2320,Plg56.5286°,Azm28.6686°; N 0.1335,Plg8.8309°,Azm132.2590°; P -1.3655,Plg31.9867°,Azm227.8272° $M_0$1.30391×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.53 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-0.29 $M_{r\theta}$0.81 $M_{\theta\phi}$0.38 $M_{\phi r}$-0.66 NP1:ϕ_s130.05734°,δ75.45833°,λ85.44600°. NP2:ϕ_s327.65765°,δ15.22339°,λ107.01898°. Principal axes: T 1.1440,Plg59.2983°,Azm33.7442°; N 0.1077,Plg4.4078°,Azm131.2030°; P -1.2517,Plg30.3148°,Azm223.7863° $M_0$1.20151×10^{16}
ISC VII 30 21 03 04.7–1.6 14.83N–.06 86.60W–.03 1–11 43 1-3
SNET VII 30 21 03 08.3 15N–2.0 87W–2.0 0–3 4.1,4.0 **¶625367438**
CATAC VII 30 21 03 08.2–.47 15N–3.0 87W–2.0 1 3.7,3.7
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 18 03 38 32.1–1.7 14.95N–.08 88.64W–.05 10 18 1-2
SNET VIII 18 03 38 32.6 15N–2.0 89W–2.0 9–4 3.8,3.5 **¶625369019**
GCG VIII 18 03 38 33.1–.91 14.90N 88.68W 8–17 3.6,3.5
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=7.6km s-min=17.2km az=-1.0. Presumed earthquake.
ISC VIII 16 08 10 16.6–.78 13.28N–.03 87.94W–.02 15–4 86 0-2
SNET VIII 16 08 10 16.6 13.3N–.40 88.0W–.40 5–1 2.7,2.7 **¶625368697**
CATAC VIII 16 08 10 16.3–.14 13N–2.0 87.9W–1.0 8–1 2.8,2.8
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 03 08 11 41.7–1.1 14.45N–.03 88.47W–.02 14–8 121 0-2
CATAC X 03 08 11 42.3–.33 14N–2.0 88W–2.0 3–2 2.5,2.5 **¶625375472**
SNET X 03 08 11 42.0 14N–1.0 89W–1.0 7–3 3.1,3.0
GCG X 03 08 11 43.5–.41 14.46N 88.53W 12–25 3.3,3.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=3.8km s-min=3.1km az=37.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=4.2km s-min=17.3km az=-1.0. Presumed earthquake.
ISC VIII 27 09 15 31.7–1.9 15.56N–.07 88.27W–.09 10 26 1-3
GCG VIII 27 09 15 34.7–3.0 15.45N 88.43W 7–22 3.5 **¶626018346**
SNET VIII 27 09 16 08.6–2.5 15N–18 88W–10 10 3.6,3.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 06 10 53 46.3–1.4 15.00N–.06 86.73W–.03 7–12 55 1-3
CATAC IX 06 10 53 52.9–.72 15N–3.0 87W–2.0 5–5 3.0,3.0 **¶625370174**
SNET IX 06 10 54 13.0 14N–11 86W–11 90–7 2.4,2.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG VIII 25 23 31 51.6–.91 15.45N 88.38W 15–9 3.9
¶625369531
GCG Event type se. Error ellipse: s-maj=4.0km s-min=9.6km az=-1.0. Presumed earthquake.
SNET VIII 25 23 32 37.2–.81 14N–8.0 89W–3.0 10 3.3,2.9
¶626678163
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 25 23 48 52.2–2.3 15.50N–.08 88.34W–.06 9–13 21 1-2
CATAC VIII 25 23 48 53.2–.85 15N–4.0 88W–3.0 1 3.2,3.2 **¶626018331**
GCG VIII 25 23 48 53.9–.79 15.46N 88.39W 13–18 3.8,3.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.6km s-min=5.4km az=18.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=3.7km s-min=9.2km az=-1.0. Presumed earthquake.
ISC IX 08 23 02 27.1–1.7 15.86N–.07 87.21W–.03 8–14 71 1-4
SNET IX 08 23 02 29.6 16N–6.0 87W–6.0 5–4 3.7,3.7 **¶625370274**
CATAC IX 08 23 02 32.2–.67 16N–7.0 87W–2.0 7–7 3.6,3.6
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 25 21 04 19.2–.36 15.46N–.02 88.35W–.02 10–2 5.2b,4.5s 1149 1-162
IDC VIII 25 21 04 18.0–.46 15.44N 88.27W 0 4.9b,4.9 **¶625369539**
CATAC VIII 25 21 04 19.4–.60 16N–3.0 88W–2.0 8–5 6.0b,5.7b
NEIC VIII 25 21 04 19.6–1.5 15.48N–.04 88.34W–.05 8–3 5.3b,5.7b
MOS VIII 25 21 04 19.8–1.0 15.51N 88.38W 21 5.5b,4.6s
BJI VIII 25 21 04 20.2 15.50N 88.30W 12 5.3b,5.2s
GFZ VIII 25 21 04 20.7 15.52N 88.22W 15 5.2W,5.2s
SNET VIII 25 21 04 21.0 16N–2.0 88W–2.0 8–5 5.8,5.5
GFZ VIII 25 21 04 20.7–.21 16N–2.0 88W–3.0 10–1 5.2b,5.1
NEIC VIII 25 21 04 20.2 15.47N 88.35W 10 5.2b,5.1
GCG VIII 25 21 04 21.1–1.4 15.47N 88.39W 16–6 5.7L,5.7
GCMT VIII 25 21 04 22.4–.10 15.54N–.01 88.39W–.01 18–0 5.2W,5.7
NEIC VIII 25 21 04 26.3 15.47N 88.35W 12 5.2,5.7
BGR VIII 25 21 04 27.7 16.09N 86.77W 13–0 5.7,5.5b
ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=10.4km az=57.0.
CATAC Event type se. Error ellipse: s-maj=5.6km s-min=2.9km az=21.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$0.63 $M_{r\theta}$-0.29 $M_{\theta\phi}$0.72 $M_{\phi r}$0.22 NP1:ϕ_s161.84929°,δ79.06204°,λ-161.92144°. NP2:ϕ_s68.30492°,δ72.26090°,λ-11.49123°. Principal axes: T 0.9769,Plg4.6617°,Azm294.2591°; N 0.0529,Plg68.9651°,Azm192.0172°; P -1.0299,Plg20.4637°,Azm26.0028° $M_0$1.00443×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.31 $M_{\theta\theta}$0.51 $M_{\phi\phi}$6.81 $M_{r\theta}$-2.08 $M_{\theta\phi}$0.70 $M_{\phi r}$2.84 NP1:ϕ_s170.63530°,δ57.06525°,λ-106.77127°. NP2:ϕ_s19.63546°,δ36.52565°,λ-65.98988°. Principal axes: T 7.3693,Plg10.5901°,Azm272.6154°; N 1.0284,Plg14.0152°,Azm179.9405°; P -8.3977,Plg72.3010°,Azm38.4805° $M_0$7.93368×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.78 $M_{\theta\theta}$0.46 $M_{\phi\phi}$6.31 $M_{r\theta}$0.70 $M_{\theta\phi}$0.48 $M_{\phi r}$3.76 NP1:ϕ_s187.47559°,δ60.11167°,λ-87.37128°. NP2:ϕ_s2.21149°,δ29.99307°,λ-94.56237°. Principal axes: T 7.3791,Plg15.0734°,Azm275.5509°; N 0.4398,Plg2.2789°,Azm6.1650°; P -7.8189,Plg74.7472°,Azm104.5566° $M_0$7.60854×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.94 $M_{\theta\theta}$-2.41 $M_{\phi\phi}$8.36 $M_{r\theta}$1.59 $M_{\theta\phi}$1.42 $M_{\phi r}$2.79 NP1:ϕ_s201.42637°,δ57.95543°,λ-72.02465°. NP2:ϕ_s349.98096°,δ36.26769°,λ-116.24430°. Principal axes: T 9.1308,Plg11.2411°,Azm278.5712°; N -2.2635,Plg15.1642°,Azm11.6590°; P -6.8673,Plg70.9597°,Azm153.4088° $M_0$8.23574×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.17 $M_{\theta\theta}$0.25 $M_{\phi\phi}$7.92 $M_{r\theta}$-0.67 $M_{\theta\phi}$0.88 $M_{\phi r}$1.85 NP1:ϕ_s180.69432°,δ51.41551°,λ-97.22497°. NP2:ϕ_s12.18421°,δ39.15118°,λ-81.04210°. Principal axes: T 8.2062,Plg6.1625°,Azm275.8261°; N 0.2381,Plg5.6418°,Azm185.2149°; P -8.4443,Plg81.6301°,Azm53.0372° $M_0$8.32781×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.97 $M_{\theta\theta}$-2.38 $M_{\phi\phi}$8.35 $M_{r\theta}$1.63 $M_{\theta\phi}$1.46 $M_{\phi r}$2.79 NP1:ϕ_s201.73878°,δ57.99624°,λ-71.92565°. NP2:ϕ_s350.11430°,δ36.27681°,λ-116.40131°. Principal axes: T 9.1420,Plg11.2621°,Azm278.8130°; N -2.2352,Plg15.2539°,Azm11.9260°; P -6.9068,Plg70.8732°,Azm153.7701° $M_0$8.25462×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.86 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$8.05 $M_{r\theta}$-0.15 $M_{\theta\phi}$1.06 $M_{\phi r}$1.77 NP1:ϕ_s184.48061°,δ51.16854°,λ-93.44889°. NP2:ϕ_s9.97073°,δ38.96020°,λ-85.72580°. Principal axes: T 8.3683,Plg6.1110°,Azm276.9325°; N -0.3022,Plg2.6860°,Azm186.6448°; P -8.0661,Plg83.3206°,Azm73.0288° $M_0$8.22140×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.8km s-min=4.7km az=92.8.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.34 $M_{\theta\theta}$0.41 $M_{\phi\phi}$6.92 $M_{r\theta}$0.49 $M_{\theta\phi}$0.94 $M_{\phi r}$-0.02 NP1:ϕ_s191.68671°,δ45.31557°,λ-84.87147°. NP2:ϕ_s4.41337°,δ44.91587°,λ-95.16439°. Principal axes: T 7.0555,Plg0.2003°,Azm278.0627°; N 0.3117,Plg3.6439°,Azm8.0754°; P -7.3672,Plg86.3506°,Azm184.9214° $M_0$7.21640×10^{16}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GFZ Error ellipse: s-maj=6.1km s-min=3.1km az=72.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCG Event type se. Error ellipse: s-maj=4.2km s-min=11.2km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s20.53000°,δ21.09000°,λ-44.01000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108252104A. Moment Tensor Solution. s105,c155; s133,c222;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.91±.02 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$0.89±.01; $M_{r\theta}$0.05±.03; $M_{\theta\phi}$0.16±.01; $M_{\phi r}$0.17±.03; Best double couple: NP1:ϕ_s9.00000°,δ40.00000°,λ-92.00000°. NP2:ϕ_s191.00000°,δ50.00000°,λ-88.00000°. Principal axes: T 0.9420,Plg5.0000°,Azm280.0000°; N -0.0190,Plg1.0000°,Azm10.0000°; P -0.9220,Plg84.0000°,Azm114.0000° $M_0$0.93200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.77 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$6.29 $M_{r\theta}$-2.60 $M_{\theta\phi}$0.93 $M_{\phi r}$2.64 NP1:ϕ_s28.57000°,δ38.87000°,λ-53.52000°. NP2:ϕ_s165.04000°,δ59.69000°,λ-115.61000°. Principal axes: T 6.8611,Plg11.0000°,Azm273.0000°; N 0.5485,Plg22.0000°,Azm179.0000°; P -7.4096,Plg65.0000°,Azm28.0000° $M_0$7.15000×10^{16}
BGR Event type ke.
ISC X 15 08 56 58.9–2.2 13.18N–.09 87.65W–.05 194–14 78 0-2
SNET X 15 08 56 48.2–3.8 15N–29 87W–19 10 3.8,3.8 **¶625379380**
CATAC X 15 08 56 57.2–.69 13N–7.0 88W–3.0 202–5 2.5,2.5
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 09 04 13 07.3–2.1 15.61N–.09 87.78W–.03 7–12 74 1-3
GCG XI 09 04 13 11.9–.58 15.33N 87.84W 2–16 3.5 **¶635691488**
CATAC XI 09 04 13 13.5–.52 15N–4.0 88W–2.0 1 3.6,3.6
SNET XI 09 04 13 17.4–3.5 15N–25 88W–13 5 4.1,4.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 30 08 12 41.1–1.8 15.57N–.07 88.56W–.03 9–11 84 1-4
GCG X 30 08 12 38.6–2.7 15.57N 88.25W 9–103 4.2 **¶625380769**
CATAC X 30 08 12 40.5–.59 16N–4.0 89W–3.0 1 3.3,3.3
SNET X 30 08 12 54.7–2.3 15N–17 89W–5.0 5 3.3,3.3
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XI 04 02 49 54.9–1.5 15.05N–.06 87.59W–.03 8–11 117 1-3
CATAC XI 04 02 49 58.6–.40 15N–3.0 88W–1.0 1 3.1,3.1 **¶635690689**
GCG XI 04 02 49 58.4–.80 15.77N 88.71W 0–999 4.5,3.1
SNET XI 04 02 50 03.0–.86 15N–7.0 88W–4.0 10 3.9,3.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 21 12 00 53.2–.67 13.07N–.05 87.50W–.04 201–5 4.3b 291 0-139
IDC X 21 12 00 53.1–1.5 13.09N 87.35W 205–25 4.0,3.5b **¶625379789**
CATAC X 21 12 00 54.2–.37 13N–3.0 88W–2.0 193–3 3.6,3.6
NEIC X 21 12 00 54.1–1.1 13.11N–.07 87.51W–.06 197–4 4.3b,3.6

GCG X 21 12 00 54.0–.83 13.06N 87.68W 201–18 4.6,3.6
SNET X 21 12 00 56.3–1.1 13N–9.0 87W–5.0 164–11 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XI 12 09 52 32.4–1.8 13.09N–.07 87.81W–.05 150–11 89 0-2
CATAC XI 12 09 52 30.7–.39 13N–5.0 88W–3.0 156–3 2.8,2.8 **¶635691655**
SNET XI 12 09 52 30.2 13N–1.0 88W–1.0 162–1 2.9,2.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC XI 30 23 05 05.0–.54 14N–4.0 88W–5.0 1 3.2,3.2
¶626091318
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 26 13 27 34.7–1.4 15.57N–.04 87.80W–.03 4–11 118 1-4
SNET XI 26 13 27 36.0–2.0 16N–17 88W–6.0 5 **¶635692616**
CATAC XI 26 13 27 38.2 16N–1.0 88W–1.0 1–1 3.7,3.7
GCG XI 26 13 27 39.7–5.5 15.49N 87.98W 1–44 3.9,3.7
ISC Event type se.
SNET Error ellipse: s-maj=37.2km s-min=12.5km az=1.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
GCG Event type se. Error ellipse: s-maj=29.2km s-min=85.2km az=-1.0. Presumed earthquake.
ISC XII 31 03 26 60.0–1.6 15.83N–.06 88.26W–.06 11–15 46 1-3
GCG XII 31 03 26 59.5–1.8 15.85N 88.18W 16–14 4.4,3.9L **¶625357689**
CATAC XII 31 03 27 01.4–.78 16N–5.0 88W–4.0 1 4.1,4.1
SNET XII 31 03 27 08.5–.94 16N–7.0 89W–5.0 10 4.1,4.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 12 01 27 30.6–2.9 15.6N–.10 87.79W–.06 16–16 15 1-3
GCG XII 12 01 27 33.3–.77 15.45N 87.92W 0–29 3.7 **¶625356098**
SNET XII 12 01 27 35.4 15N–3.0 88W–3.0 6–4 3.5,3.3
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

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ISC VII 04 06 48 17.3–1.8 13.1N–.10 88.73W–.04 25–14 37 0-2
CATAC VII 04 06 48 14.8–1.1 13N–6.0 89W–3.0 27–7 3.0,3.0 **¶625365231**
SNET VII 04 06 48 18.2–.55 13N–10 89W–4.0 39–8 3.2,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
SNET VII 04 23 38 43.7 13.5N–.50 88.5W–.50 3–0 2.6,2.6
¶625365191
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
SNET VII 07 08 48 38.7 13N–3.0 90W–3.0 44–7 3.6,3.6
GCG VII 07 08 48 39.1–.50 13.20N 89.92W 47–27 3.5,3.6 **¶625365495**
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.9km s-min=21.2km az=-1.0. Presumed earthquake.
ISC VII 11 03 00 40.7–.87 13.55N–.04 88.69W–.02 11–7 47 0-2
CATAC VII 11 03 00 40.8–.29 14N–2.0 89W–1.0 6–2 2.5,2.5 **¶625365849**
SNET VII 11 03 00 40.4 13.6N–.50 88.7W–.50 2–0 2.8,2.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
ISC VII 11 04 52 21.5–1.0 13.20N–.05 89.90W–.04 50–9 4.1b 149 0-39
CATAC VII 11 04 52 20.3–.50 13N–2.0 90W–2.0 29–4 4.4,4.4 **¶625365836**
SNET VII 11 04 52 20.9 13N–1.0 90W–1.0 44–4 4.4,4.4
GCG VII 11 04 52 21.3–1.3 13.25N 90.01W 29–6 4.6,4.4L
NEIC VII 11 04 52 23.3–1.6 13.28N–.07 89.82W–.06 48–7 4.1b,4.4L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 14 13 56 11.4–.88 13.57N–.03 88.69W–.02 11–6 46 0-2
SNET VII 14 13 56 10.8 13.5N–.40 88.7W–.40 10–0 2.6,2.6 **¶625366016**
CATAC VII 14 13 56 11.4–.30 14N–2.0 89W–1.0 5–1 2.5,2.5
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 14 15 26 03.4–.98 13.50N–.05 88.72W–.02 16–6 34 0-2
SNET VII 14 15 26 03.3 13.6N–.60 88.7W–.60 12–1 2.7,2.7 **¶625366003**
CATAC VII 14 15 26 04.3–.39 14N–4.0 89W–2.0 7–2 2.5,2.5
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET VII 17 16 00 59.4 13.6N–.40 88.7W–.40 8–1 2.5,2.5
¶625366356
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
ISC VII 18 03 02 41.0–.91 13.58N–.04 88.68W–.02 14–6 32 0-1
SNET VII 18 03 02 40.8 13.6N–.60 88.7W–.60 9–0 3.3,2.9 **¶625366541**
CATAC VII 18 03 02 41.1–.39 14N–4.0 89W–2.0 8–3 2.4,2.4
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 20 06 35 58.4–1.6 13.07N–.07 89.37W–.04 28–12 77 1-2
GCG VII 20 06 35 59.8–.75 13.16N 89.42W 50–9 4.1 **¶625366663**
SNET VII 20 06 35 59.6–1.7 13N–14 89W–8.0 29–6 3.5,3.3
CATAC VII 20 06 35 59.2–.53 13N–3.0 89W–2.0 28–3 3.5,3.5
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 22 01 16 33.4–1.5 13.13N–.06 89.87W–.03 17–9 66 1-2
SNET VII 22 01 16 33.8–1.5 13N–9.0 90W–6.0 16–6 3.7,3.6 **¶625366862**
CATAC VII 22 01 16 34.5–.65 13N–3.0 90W–3.0 21–4 3.6,3.6
GCG VII 22 01 16 36.0–.74 13.26N 89.90W 30–5 4.1,3.6
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=7.4km s-min=5.5km az=21.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=10.4km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VII 21 08 44 10.8–2.4 13.1N–.10 89.31W–.05 43 51 0-2
CATAC VII 21 08 44 09.9–.70 13N–4.0 89W–3.0 23–4 3.6,3.6 **¶625366764**
SNET VII 21 08 44 10.1 13.1N–1.0 89.3W–1.0 50–2 3.7,3.7L
GCG VII 21 08 44 11.3–.57 13.16N 89.35W 53–9 3.9,3.7L
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.7km s-min=5.7km az=22.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=9.1km s-min=4.2km az=-1.0. Presumed earthquake.
ISC VII 24 07 44 15.0–1.3 13.10N–.04 89.24W–.03 29–11 123 1-4
SNET VII 24 07 44 14.8–1.0 13N–9.0 89W–4.0 29–4 4.0,3.9 **¶625366931**
CATAC VII 24 07 44 14.6–.32 13N–2.0 89W–2.0 26–2 3.9,3.9
GCG VII 24 07 44 16.3–.50 13.23N 89.32W 53–7 4.3,3.9
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=2.4km az=35.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=10.2km s-min=4.6km az=-1.0. Presumed earthquake.
SNET VII 22 16 15 30.5 13N–2.0 89W–2.0 49–4 3.1,2.9
¶625366771
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 25 01 01 25.6–3.1 13.3N–.20 89.9W–.10 58 21 0-2
GCG VII 25 01 01 26.7–.52 13.38N 89.94W 47–12 3.6 **¶625367101**
SNET VII 25 01 01 26.8 13N–3.0 90W–3.0 54–4 3.4L,3.3
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 25 07 38 49.9–2.2 13.2N–.10 89.32W–.06 43–23 49 1-2
CATAC VII 25 07 38 49.3–.69 13N–5.0 89W–2.0 23–4 3.3,3.3 **¶625367059**
SNET VII 25 07 38 49.9 13N–2.0 89W–2.0 50–3 3.5L,3.4
GCG VII 25 07 38 51.2–.46 13.37N 89.39W 59–7 3.8,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.2km s-min=4.3km az=15.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=15.1km s-min=5.3km az=-1.0. Presumed earthquake.
ISC VII 30 07 35 57.1–2.0 13.06N–.09 89.41W–.05 28–12 59 1-2
SNET VII 30 07 35 57.1–2.3 13N–24 89W–10 50 3.2,3.0 **¶625367525**
CATAC VII 30 07 35 58.2–.73 13N–5.0 89W–2.0 26–3 3.0,3.0
GCG VII 30 07 35 59.8–.43 13.34N 89.32W 57–5 3.3,3.0
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=10.3km s-min=4.5km az=17.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=8.9km s-min=6.0km az=-1.0. Presumed earthquake.
ISC VII 25 04 03 12.3–2.0 13.23N–.07 89.97W–.05 15–10 44 1-2
CATAC VII 25 04 03 13.4–.68 13N–3.0 90W–2.0 24–4 3.1,3.1 **¶625367076**
GCG VII 25 04 03 14.6–.44 13.27N 89.98W 31–4 3.7,3.1
SNET VII 25 04 03 15.6 13N–2.0 90W–2.0 31–1 3.2,3.1L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 27 20 33 19.4–.84 13.50N–.03 88.50W–.02 16–5 68 0-1
SNET VII 27 20 33 19.9 13.5N–.30 88.5W–.30 9–0 2.9,2.9 **¶625367202**
CATAC VII 27 20 33 20.0–.29 13N–2.0 89W–1.0 6–2 2.9,2.9
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 25 11 37 31.9–.87 13.89N–.02 89.68W–.02 7–7 78 0-2
SNET VII 25 11 37 31.2 13.9N–.60 89.7W–.60 3–0 3.1,3.0L **¶625367055**
GCG VII 25 11 37 31.5–1.3 13.87N 89.69W 7–9 3.5,3.0L
CATAC VII 25 11 37 32.0–.62 14N–2.0 90W–4.0 3–2 3.1,3.1
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 31 03 23 35.7–1.5 13.61N–.07 89.93W–.04 68–8 62 0-2
CATAC VII 31 03 23 34.5–.52 14N–5.0 90W–3.0 45–6 3.1,3.1 **¶625367599**
GCG VII 31 03 23 35.0–.93 13.63N 89.93W 67–8 3.8,3.1
SNET VII 31 03 23 35.5 14N–2.0 90W–2.0 70–1 3.1L,3.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 30 05 57 52.1–1.8 13.17N–.09 89.25W–.05 16–12 39 1-2
CATAC VII 30 05 57 52.6–.73 13N–4.0 89W–2.0 25–3 2.8,2.8 **¶625367541**
SNET VII 30 05 57 53.2 13N–2.0 89W–2.0 51–4 3.0L,2.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 01 17 10 32.7–1.9 13.20N–.09 89.78W–.05 30–12 47 0-2
CATAC VIII 01 17 10 31.7–.91 13N–5.0 90W–4.0 17–5 3.3,3.3 **¶625367649**
SNET VIII 01 17 10 32.9 13N–2.0 90W–2.0 43–3 3.1,3.1
GCG VIII 01 17 10 32.5–1.1 13.26N 89.92W 30–8 3.8,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.1km s-min=8.0km az=21.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.2km s-min=7.8km az=-1.0. Presumed earthquake.
ISC VII 31 21 25 35.6–1.1 13.88N–.03 89.66W–.03 6–7 20 0-1
GCG VII 31 21 25 35.1–.66 13.91N 89.65W 4–4 3.5 **¶625367553**
SNET VII 31 21 25 35.2 13.9N–.80 89.7W–.80 5–0 2.5,2.5
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
ISC VIII 03 08 37 31.3–1.9 13.04N–.08 89.25W–.04 30–11 57 0-2
SNET VIII 03 08 37 22.0–2.3 13N–17 90W–8.0 10 3.9,3.6 **¶625367800**
CATAC VIII 03 08 37 32.1–.85 13N–5.0 89W–4.0 27–4 3.1,3.1
GCG VIII 03 08 37 33.3–.69 13.19N 89.29W 52–10 4.0,3.1

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=12.4km s-min=6.0km az=25.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=11.5km s-min=6.5km az=-1.0. Presumed earthquake.
ISC VIII 11 07 51 03.8–.82 13.36N–.03 88.08W–.02 15–5 53 0-2
CATAC VIII 11 07 51 03.8–.18 13N–2.0 88W–1.0 7–1 2.5,2.5 **¶625368268**
SNET VIII 11 07 51 03.3 13.4N–.60 88.1W–.60 14–1 2.7,2.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_GRISELDA_1998. confirmed.
ISC VIII 10 08 02 17.0–.54 13.42N–.04 89.52W–.03 95–4 4.5b 342 0-147
NEIC VIII 10 08 02 18.6–2.7 13.45N–.07 89.46W–.07 86–3 4.5b **¶625368120**
SNET VIII 10 08 02 18.9–.41 13N–5.0 90W–3.0 54–4 4.5,4.5
GFZ VIII 10 08 02 18.4–.71 13N–4.0 90W–7.0 111–5 4.7b,4.5
CATAC VIII 10 08 02 18.4–.19 13N–2.0 90W–1.0 66–2 4.8,4.8
GCG VIII 10 08 02 19.7–1.4 13.47N 89.62W 73–7 4.9,4.8
IDC VIII 10 08 02 22.9–2.1 13.79N 88.97W 139–17 4.1,3.6b
UPA VIII 10 08 02 49.7–.86 12.42N 87.32W 10 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=3.6km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GFZ Error ellipse: s-maj=16.5km s-min=6.4km az=67.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
CATAC Event type se. Error ellipse: s-maj=5.2km s-min=1.8km az=28.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.0km s-min=11.8km az=62.0.
UPA Event type se. Error ellipse: s-maj=999.9km s-min=56.0km az=-1.0. Presumed earthquake.
ISC VIII 22 22 48 11.9–2.3 13.2N–.10 89.82W–.06 25–13 30 1-1
SNET VIII 22 22 48 09.7 13N–1.0 90W–1.0 26–1 3.1,3.0 **¶625369294**
GCG VIII 22 22 48 10.8–.87 13.31N 89.99W 33–7 3.5,3.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=7.9km s-min=6.2km az=-1.0. Presumed earthquake.
ISC VIII 11 20 54 48.4–3.6 13.3N–.20 89.9W–.10 58 16 0-2
GCG VIII 11 20 54 49.0–.81 13.31N 89.89W 35–28 3.9 **¶625368171**
SNET VIII 11 20 54 49.5 13N–1.0 90W–1.0 43–2 3.4L,3.2
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 13 10 55 48.9–3.4 13.2N–.20 89.9W–.10 35 12 1-2
GCG VIII 13 10 55 50.0–.85 13.30N 89.88W 36–36 3.6 **¶625368473**
SNET VIII 13 10 55 50.1 13N–2.0 90W–2.0 39–6 2.9,2.9L
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
SNET VIII 14 17 50 20.8–.80 13N–8.0 89W–3.0 10 5.8b,5.6b
¶625368506
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 18 09 14 09.9–1.6 13.14N–.08 89.18W–.06 60–11 59 0-3
SNET VIII 18 09 14 08.9 13N–2.0 89W–2.0 63–3 3.5,3.1 **¶625368964**
CATAC VIII 18 09 14 09.4–.46 13N–3.0 89W–2.0 34–3 3.1,3.1
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 20 09 20 03.0–1.6 13.16N–.10 88.99W–.05 61–12 57 0-2
CATAC VIII 20 09 20 00.0–.92 13N–5.0 89W–3.0 17–6 3.1,3.1 **¶625369159**
SNET VIII 20 09 20 03.4–.56 13N–7.0 89W–3.0 35–5 3.2,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 27 17 15 58.7–1.4 13.32N–.05 89.74W–.03 32–11 69 0-4
CATAC VIII 27 17 15 57.6–.42 13N–3.0 90W–2.0 26–2 3.4,3.4 **¶625369662**
SNET VIII 27 17 15 57.1 13N–2.0 90W–2.0 41–5 3.4,3.4
GCG VIII 27 17 15 58.6–.65 13.35N 89.84W 32–4 3.8,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.3km s-min=3.2km az=18.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=5.1km s-min=7.1km az=-1.0. Presumed earthquake.
ISC VIII 26 05 58 31.3–.88 13.05N–.05 88.99W–.03 58–7 4.0b 252 1-138
SNET VIII 26 05 58 29.5–1.6 13N–12 89W–4.0 25–9 4.7,4.6 **¶625369624**
CATAC VIII 26 05 58 31.7–.39 13N–3.0 89W–2.0 28–3 4.5,4.5
NEIC VIII 26 05 58 31.6–.77 12.96N–.07 89.04W–.03 54–14 4.1b,4.5
IDC VIII 26 05 58 32.7–1.8 13.35N 88.70W 61–20 3.7,3.6s
GCG VIII 26 05 58 35.1–1.2 13.23N 89.09W 50–19 4.1,3.6s
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=6.1km s-min=2.5km az=29.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=3.7km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.8km s-min=12.3km az=38.0.
GCG Event type se. Error ellipse: s-maj=17.6km s-min=8.9km az=-1.0. Presumed earthquake.
ISC VIII 23 01 09 34.3–1.9 13.20N–.09 89.31W–.05 48–11 69 0-1
SNET VIII 23 01 09 32.5 13.2N–.70 89.4W–.70 56–1 3.3L,3.3 **¶625369434**
CATAC VIII 23 01 09 33.3–.67 13N–4.0 89W–3.0 29–3 3.4,3.4
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 27 03 53 26.0–2.1 13.5N–.10 89.56W–.07 42–10 22 0-2
SNET VIII 27 03 53 21.3 13N–2.0 90W–2.0 50–3 2.8,2.6 **¶625369692**
GCG VIII 27 03 53 23.4–.80 13.37N 89.83W 33–6 3.6,2.6
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.8km s-min=5.5km az=-1.0. Presumed earthquake.
ISC IX 01 21 02 08.6–1.7 13.6N–.10 88.13W–.09 100 15 0-2
SNET IX 01 21 01 57.4–3.5 15N–28 87W–24 130–32 3.8,3.8 **¶625369889**
GCG IX 01 21 02 21.9–.47 14.58N 89.12W 15–168 3.1,3.8
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=6.1km s-min=10.6km az=-1.0. Presumed earthquake.
ISC IX 19 08 32 59.3–1.9 13.19N–.08 89.61W–.05 15–9 91 0-2
CATAC IX 19 08 33 01.0–.79 13N–5.0 90W–3.0 27–4 2.6,2.6 **¶625372136**
SNET IX 19 08 33 01.1 13N–5.0 90W–5.0 54–12 2.9,2.6
GCG IX 19 08 33 02.3–.33 13.31N 89.59W 33–3 2.9,2.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.7km s-min=5.8km az=21.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=6.9km s-min=9.6km az=-1.0. Presumed earthquake.
ISC IX 02 00 33 54.4–2.2 13.14N–.10 89.83W–.06 29 61 0-1
GCG IX 02 00 33 56.2–.36 13.25N 89.76W 33–13 3.4 **¶625370018**
SNET IX 02 00 33 56.4 13N–2.0 90W–2.0 41–5 3.2L,3.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 18 01 04 11.9–1.8 13.79N–.06 89.70W–.04 106–9 133 0-2
CATAC IX 18 01 04 09.1–.59 14N–5.0 90W–4.0 111–3 2.8,2.8 **¶625372091**
SNET IX 18 01 04 09.3 14N–2.0 90W–2.0 117–1 2.8,2.8
GCG IX 18 01 04 10.0–.71 13.77N 89.74W 112–4 4.2,2.8
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.0km s-min=6.6km az=24.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=4.8km s-min=3.5km az=-1.0. Presumed earthquake.
SNET IX 01 15 06 14.8 13N–1.0 89W–1.0 38–6 3.0,3.0
¶625369896
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 07 13 42 33.8–1.5 13.30N–.06 89.56W–.04 47–8 170 0-3
SNET IX 07 13 42 30.9–1.1 13N–10 90W–7.0 36–6 3.8,3.7 **¶625370205**
CATAC IX 07 13 42 31.2–.48 13N–3.0 90W–3.0 31–3 3.7,3.7
GCG IX 07 13 42 32.6–1.2 13.32N 89.68W 50–22 4.1,3.7L
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=6.7km s-min=4.6km az=39.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=12.1km s-min=6.9km az=-1.0. Presumed earthquake.
ISC IX 09 12 55 20.6–1.7 13.10N–.07 89.53W–.04 23–12 113 0-77
CATAC IX 09 12 55 18.5–.72 13N–3.0 90W–3.0 17–4 3.2,3.2 **¶625370335**
SNET IX 09 12 55 18.9–2.0 13N–14 90W–6.0 22–8 3.5,3.2
GCG IX 09 12 55 20.1–.97 13.10N 89.66W 25–6 3.8,3.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.6km s-min=4.8km az=31.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=6.0km s-min=7.4km az=-1.0. Presumed earthquake.
ISC IX 18 14 43 54.1–.31 13.23N–.03 89.65W–.03 62–2 5.0b 976 0-153
UCR IX 18 14 43 22.6–.72 14.92N 91.33W 20–999 5.2W **¶625372043**
SNET IX 18 14 43 53.6 13N–1.0 90W–1.0 41–4 5.3,5.3
GCG IX 18 14 43 55.9–1.5 13.29N 89.75W 34–8 5.5L,5.5
NEIC IX 18 14 43 55.9–2.7 13.34N–.07 89.53W–.08 62–4 5.0,5.0b
GFZ IX 18 14 43 55.5–.13 13N–2.0 90W–3.0 62 5.5L,5.4b
CATAC IX 18 14 43 55.6–.18 13N–1.0 90W–1.0 39–3 5.6b,5.6b
GCMT IX 18 14 43 56.4–.20 13.22N–.02 89.60W–.02 50–1 4.9W,5.6b
IDC IX 18 14 43 57.1–.77 13.59N 89.09W 80–5 4.6,4.2b
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=667.4km s-min=973.9km az=-1.0. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=9.0km s-min=6.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.4km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. Error ellipse: s-maj=3.5km s-min=1.7km az=33.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.20 $M_{\theta\theta}$0.88 $M_{\phi\phi}$0.32 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.02 $M_{\phi r}$0.06 NP1:ϕ_s93.62899°,δ39.13947°,λ-86.19601°. NP2:ϕ_s268.72925°,δ50.96319°,λ-93.09050°. Principal axes: T 0.9075,Plg5.9172°,Azm0.9257°; N 0.3209,Plg2.4001°,Azm270.6768° ; P -1.2284,Plg83.6114°,Azm158.6935° $M_0$1.10349×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.15 $M_{\theta\theta}$0.77 $M_{\phi\phi}$0.38 $M_{r\theta}$0.11 $M_{\theta\phi}$-0.04 $M_{\phi r}$0.11 NP1:ϕ_s99.88754°,δ42.20645°,λ-83.54003°. NP2:ϕ_s271.19658°,δ48.12263°,λ-95.82630°. Principal axes: T 0.7815,Plg2.9666°,Azm5.3184°; N 0.3843,Plg4.3348°,Azm275.0933° ; P -1.1657,Plg84.7441°,Azm129.6060° $M_0$1.02889×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.52 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$-0.34 $M_{r\theta}$2.10 $M_{\theta\phi}$0.00 $M_{\phi r}$-0.15 NP1:ϕ_s94.07596°,δ85.25250°,λ89.67059°. NP2:ϕ_s278.04970°,δ4.75888°,λ93.96008°. Principal axes: T 2.3030,Plg49.7465°,Azm3.7155°; N -0.3370,Plg0.3283°,Azm94.1032° ; P -1.9659,Plg40.2516°,Azm184.3812° $M_0$2.15432×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.66 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-0.30 $M_{r\theta}$2.10 $M_{\theta\phi}$-0.17 $M_{\phi r}$-0.13 NP1:ϕ_s91.79170°,δ83.24687°,λ94.76168°. NP2:ϕ_s236.47892°,δ8.25670°,λ54.96833°. Principal axes: T 2.3286,Plg51.5294°,Azm7.2057°; N -0.3169,Plg4.7286°,Azm271.2305° ; P -2.0118,Plg38.0703°,Azm177.5157° $M_0$2.18749×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.63 $M_{\theta\theta}$1.06 $M_{\phi\phi}$0.57 $M_{r\theta}$0.69 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.47 NP1:ϕ_s93.16491°,δ30.45785°,λ-103.88555°. NP2:ϕ_s289.16688°,δ60.52188°,λ-81.96728°. Principal axes: T 1.2566,Plg15.1630°,Azm13.2910°; N 0.6203,Plg6.9873°,Azm105.1943° ; P -1.8769,Plg73.2336°,Azm219.1980° $M_0$1.65626×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.56 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.17 $M_{r\theta}$2.58 $M_{\theta\phi}$0.36 $M_{\phi r}$-0.12 NP1:ϕ_s92.80880°,δ82.81655°,λ83.31875°. NP2:ϕ_s315.93924°,δ9.79830°,λ132.71059°. Principal axes: T 2.5762,Plg51.7404°,Azm355.1740°; N 0.2075,Plg6.6286°,Azm93.6480° ; P -2.7837,Plg37.4718°,Azm188.7587° $M_0$2.68600×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.82 $M_{\theta\theta}$1.16 $M_{\phi\phi}$0.66 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.14 $M_{\phi r}$-0.27 NP1:ϕ_s103.03680°,δ36.69164°,λ-95.46829°. NP2:ϕ_s289.84485°,δ53.50241°,λ-85.93830°. Principal axes: T 1.2655,Plg8.4197°,Azm16.9427°; N 0.6265,Plg3.2642°,Azm107.4264° ; P -1.8920,Plg80.9611°,Azm218.4352° $M_0$1.66935×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.47 $M_{\theta\theta}$-1.25 $M_{\phi\phi}$-0.22 $M_{r\theta}$1.92 $M_{\theta\phi}$1.01 $M_{\phi r}$-0.01 NP1:ϕ_s97.99993°,δ71.04362°,λ70.18751°. NP2:ϕ_s325.95946°,δ27.15397°,λ134.61940°. Principal axes: T 2.5452,Plg59.1904°,Azm340.0997°; N 0.0467,Plg18.6968°,Azm104.6750° ; P -2.5919,Plg23.5450°,Azm203.1551° $M_0$2.56891×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.60 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$-0.20 $M_{r\theta}$2.21 $M_{\theta\phi}$1.04 $M_{\phi r}$0.03 NP1:ϕ_s96.35805°,δ71.91259°,λ71.21285°. NP2:ϕ_s323.97249°,δ25.85004°,λ134.59777°. Principal axes: T 2.8608,Plg58.8578°,Azm340.2327°; N 0.0188,Plg17.8267°,Azm102.3869° ; P -2.8796,Plg24.6339°,Azm200.8667° $M_0$2.87026×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109181443A. Moment Tensor Solution. s57,c71; s92,c138; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.99±.12 $M_{\theta\theta}$-1.74±.08; $M_{\phi\phi}$-0.24±.10; $M_{r\theta}$2.20±.08; $M_{\theta\phi}$0.84±.07; $M_{\phi r}$0.19±.06; Best double couple: NP1:ϕ_s312.00000°,δ26.00000°,λ125.00000°. NP2:ϕ_s94.00000°,δ69.00000°,λ74.00000°. Principal axes: T 3.0950,Plg63.0000°,Azm340.0000°; N -0.1520,Plg15.0000°,Azm100.0000° ; P -2.9370,Plg23.0000°,Azm196.0000° $M_0$3.01600×10^{16}
IDC Error ellipse: s-maj=18.4km s-min=8.8km az=56.0.
ISC IX 18 14 47 13.3–2.8 13.2N–.10 89.69W–.09 43 25 0-1
GCG IX 18 14 47 13.9–.56 13.27N 89.70W 47–13 3.3 **¶625372028**
SNET IX 18 14 47 13.4 13N–2.0 90W–2.0 46–4 3.3L,3.2
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 03 01 25 50.3–.66 13.21N–.04 89.62W–.03 67–5 4.4b 481 0-147
NEIC IX 03 01 25 52.2–1.9 13.35N–.07 89.60W–.05 74–5 4.4b **¶625370065**
CATAC IX 03 01 25 52.7–.25 13N–2.0 90W–1.0 38–4 4.7,4.7
SNET IX 03 01 25 52.0 13.2N–.90 89.6W–.90 60–1 4.6,4.6
GCG IX 03 01 25 52.8–1.4 13.24N 89.66W 49–14 4.8L,4.8
IDC IX 03 01 25 54.3–2.5 13.47N 89.07W 96–20 4.1,3.7b

UCR IX 03 01 26 34.8–.25 11.59N 86.71W 123–382 3.8W,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.4km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=4.5km s-min=2.0km az=31.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.84 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$-0.76 $M_{r\theta}$3.55 $M_{\theta\phi}$-0.93 $M_{\phi r}$-2.59 NP1:ϕ_s120.61642° ,δ83.31518°,λ97.98706°. NP2:ϕ_s250.29698°,δ10.40143°,λ40.14777°. Principal axes: T 5.3924,Plg51.0595°,Azm39.6101°; N -1.7063,Plg7.9324°,Azm299.6807° ; P -3.6861,Plg37.8194°,Azm203.4716° M_o4.77376×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.62 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$-0.72 $M_{r\theta}$3.45 $M_{\theta\phi}$-1.03 $M_{\phi r}$-2.56 NP1: ϕ_s121.18959°,δ84.67097°,λ97.75759°. NP2:ϕ_s245.47406°,δ9.40239°,λ34.64604°. Principal axes: T 5.2520,Plg49.7542°,Azm39.6853°; N -1.7233,Plg7.7239°,Azm300.4647° ; P -3.5286,Plg39.1930°,Azm204.1154° M_o4.63705×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.59 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$-0.63 $M_{r\theta}$3.27 $M_{\theta\phi}$-1.22 $M_{\phi r}$-2.71 NP1: ϕ_s122.66540°,δ85.21829°,λ99.31049°. NP2:ϕ_s239.61709°,δ10.45698°,λ27.34128°. Principal axes: T 5.2844,Plg48.9649°,Azm42.7004°; N -1.9164,Plg9.2778°,Azm301.8824° ; P -3.3680,Plg39.5253°,Azm204.1363° M_o4.63364×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.55 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$-0.78 $M_{r\theta}$3.18 $M_{\theta\phi}$-0.96 $M_{\phi r}$-2.62 NP1: ϕ_s126.74244°,δ85.12913°,λ93.89344°. NP2:ϕ_s268.02923°,δ6.23280°,λ51.45245°. Principal axes: T 5.0417,Plg49.7265°,Azm41.0019°; N -1.7129,Plg3.8794°,Azm306.4113° ; P -3.3288,Plg40.0074°,Azm213.1486° M_o4.44038×10^{15}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=13.4km s-min=6.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=28.3km s-min=15.0km az=52.0.
UCR Event type se. Error ellipse: s-maj=494.8km s-min=634.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**08 02 00 51.1–1.1**	**13.21N–.04**	**89.78W–.02**	**33–9**	**4.2b**	**333**	**0-147**
IDC	IX	08 02 00 45.0–1.5	12.92N	90.12W	0	3.9,3.8b	**¶625370296**	
CATAC	IX	08 02 00 50.2–.43	13N–2.0	90W–2.0	21–2	4.5,4.5		
NEIC	IX	08 02 00 51.0–1.1	13.21N–.06	89.88W–.05	42–17	4.5b,4.5		
GCG	IX	08 02 00 50.9–.78	13.22N	89.91W	29–8	4.3,4.5		
SNET	IX	08 02 00 51.0	13N–1.0	90W–1.0	39–2	5.0,4.6		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**12 06 12 04.6–1.5**	**13.33N–.06**	**89.53W–.04**	**51–7**		**221**	**0-3**
CATAC	IX	12 06 12 02.3–.48	13N–3.0	90W–2.0	33–3	3.4,3.4	**¶625371661**	
SNET	IX	12 06 12 02.1	13N–2.0	90W–2.0	59–2	3.5,3.4		
GCG	IX	12 06 12 03.3–1.3	13.34N	89.57W	56–9	4.1,3.4		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=20.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=11.0km s-min=8.1km az=-1.0. Presumed earthquake.

ISC	**IX**	**15 03 07 56.5–1.8**	**13.01N–.07**	**89.40W–.04**	**25–14**		**59**	**1-2**
CATAC	IX	15 03 07 56.7–.59	13N–3.0	89W–2.0	22–3	3.6,3.6	**¶626018493**	
GCG	IX	15 03 07 58.6–.78	13.13N	89.47W	48–13	4.0,3.6		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.9km s-min=4.2km az=24.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=10.7km s-min=5.1km az=-1.0. Presumed earthquake.

ISC	**IX**	**18 20 21 49.0–1.7**	**13.12N–.07**	**89.57W–.04**	**25–12**		**143**	**0-2**
CATAC	IX	18 20 21 48.5–.65	13N–3.0	90W–2.0	22–4	3.3,3.3	**¶625372002**	
SNET	IX	18 20 21 49.2	13N–1.0	90W–1.0	37–4	3.3L,3.2		
GCG	IX	18 20 21 51.0–.96	13.25N	89.65W	41–21	3.8,3.2		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.7km s-min=4.9km az=19.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=13.1km s-min=7.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**21 18 04 09.0–1.8**	**13.5N–.20**	**88.6W–.10**	**164–11**		**27**	**0-23**
GCG	IX	21 18 04 11.0–1.0	13.60N	88.51W	126–66	3.5	**¶625372216**	
SNET	IX	21 18 04 14.1–1.4	13N–13	89W–7.0	108–15	3.1,3.1		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**IX**	**23 08 24 38.9–1.5**	**13.14N–.07**	**89.03W–.04**	**49–9**		**175**	**0-3**
CATAC	IX	23 08 24 37.0–.99	13N–8.0	89W–3.0	29–10	3.3,3.3	**¶625373020**	
SNET	IX	23 08 24 37.4	13.1N–.90	89.0W–.90	53–1	3.6,3.5		
GCG	IX	23 08 24 39.5–.63	13.24N	89.11W	52–16	3.9,3.5		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=18.2km s-min=6.9km az=3.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=21.4km s-min=9.5km az=-1.0. Presumed earthquake.

ISC	**IX**	**25 14 21 38.5–2.3**	**13.2N–.10**	**89.70W–.07**	**51–14**		**70**	**0-2**
SNET	IX	25 14 21 36.9	13N–5.0	90W–5.0	68–7		**¶625373459**	
GCG	IX	25 14 21 38.4–.31	13.22N	89.76W	48–29	3.5		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Error ellipse: s-maj=11.7km s-min=15.5km az=-1.0. Presumed earthquake.

ISC	**IX**	**26 03 40 03.8–2.0**	**13.01N–.07**	**89.72W–.05**	**23–13**		**97**	**1-3**
GCG	IX	26 03 40 04.1–.68	13.01N	89.75W	43–52	3.6	**¶625374795**	
CATAC	IX	26 03 40 05.8–.71	13N–4.0	90W–3.0	23–4	3.0,3.0		
SNET	IX	26 03 40 05.4	13N–1.0	90W–1.0	33–1	3.2,3.1		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**26 04 19 33.2–1.7**	**13.16N–.06**	**89.79W–.04**	**25–12**		**153**	**0-3**
GCG	IX	26 04 19 29.6–.82	12.92N	89.82W	31–8	3.9	**¶625374754**	
CATAC	IX	26 04 19 33.0–.61	13N–3.0	90W–3.0	22–3	3.4,3.4		
SNET	IX	26 04 19 34.4	13N–2.0	90W–2.0	44–7	3.3,3.3		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**27 04 36 11.5–1.1**	**13.30N–.05**	**89.75W–.03**	**45–7**		**272**	**0-21**
CATAC	IX	27 04 36 09.9–.49	13N–3.0	90W–2.0	26–3	4.2,4.2	**¶625374929**	
NEIC	IX	27 04 36 10.9–.63	13.27N–.04	89.76W–.04	47–11	4.0b,4.2		
SNET	IX	27 04 36 10.6	13N–1.0	90W–1.0	42–3	5.3b,5.3b		
GCG	IX	27 04 36 12.2–1.2	13.39N	89.78W	44–12	4.1,5.3b		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.7km s-min=4.6km az=15.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=9.6km s-min=5.0km az=-1.0. Presumed earthquake.

ISC	**IX**	**26 21 15 39.7–.86**	**13.35N–.05**	**89.70W–.03**	**45–6**	**3.9b,3.1s**	**241**	**0-138**
SNET	IX	26 21 15 38.8	13N–1.0	90W–1.0	40–4	4.2,4.2	**¶621131537**	
CATAC	IX	26 21 15 38.2–.71	13N–4.0	90W–4.0	29–4	4.3,4.3		
NEIC	IX	26 21 15 39.9–1.8	13.24N–.05	89.65W–.05	35–2	4.0b,4.3		
GCG	IX	26 21 15 40.1–1.4	13.40N	89.82W	35–9	4.2,4.3		
IDC	IX	26 21 15 41.2–2.6	13.39N	89.53W	86–23	3.7,3.2b		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. Error ellipse: s-maj=10.1km s-min=7.0km az=26.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.83 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-1.25 $M_{r\theta}$2.01 $M_{\theta\phi}$-1.27 $M_{\phi r}$-1.76 NP1:ϕ_s181.47544° ,δ61.74606°,λ47.46700°. NP2:ϕ_s64.18139°,δ49.52668°,λ141.51653°. Principal axes: T 3.8799,Plg52.5335°,Azm39.6785°; N -1.6296,Plg36.5464°,Azm204.9495° ; P -2.2503,Plg7.1374°,Azm300.2750° M_o3.37437×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.11 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-1.52 $M_{r\theta}$2.07 $M_{\theta\phi}$-1.23 $M_{\phi r}$-1.86 NP1: ϕ_s176.62721°,δ64.19201°,λ52.29914°. NP2:ϕ_s57.23604°,δ44.57788°,λ141.66387°. Principal axes: T 4.1084,Plg54.2441°,Azm38.8934°; N -1.6684,Plg33.4043°,Azm195.2249° ; P -2.4400,Plg11.2930°,Azm292.7924° M_o3.57885×10^{15}
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.8km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=8.5km s-min=4.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=47.7km s-min=21.5km az=41.0.

ISC	**IX**	**27 17 41 32.7–1.8**	**13.10N–.06**	**89.61W–.05**	**25–14**		**148**	**0-3**
SNET	IX	27 17 41 28.6–1.3	15N–10	89W–4.0	10	4.1,4.1	**¶625374901**	
CATAC	IX	27 17 41 32.9–.61	13N–3.0	90W–3.0	22–3	3.7,3.7		
GCG	IX	27 17 41 34.1–.56	13.14N	89.62W	36–99	4.1,3.7L		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=7.8km s-min=4.9km az=29.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=6.6km s-min=7.6km az=-1.0. Presumed earthquake.

ISC	**IX**	**30 12 19 56.0–2.3**	**13.2N–.10**	**89.95W–.08**	**68–11**		**75**	**0-3**
GCG	IX	30 12 19 59.9–.49	13.41N	89.88W	49–7	3.5	**¶625375179**	
CATAC	IX	30 12 20 00.2–1.0	13N–6.0	90W–5.0	31–4	2.6,2.6		
SNET	IX	30 12 20 00.6	13N–1.0	90W–1.0	49–1	2.7,2.7		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**27 19 28 21.9–1.7**	**13.29N–.07**	**89.76W–.05**	**46–11**		**107**	**0-8**
GCG	IX	27 19 28 21.6–.69	13.32N	89.77W	42–16	3.8,3.6L	**¶625374888**	
CATAC	IX	27 19 28 21.2–.67	13N–8.0	90W–3.0	36–9	3.6,3.6		
SNET	IX	27 19 28 24.2–.53	14N–6.0	90W–3.0	33–4	3.2,3.2		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**03 03 15 29.9–1.4**	**13.09N–.06**	**89.42W–.04**	**26–12**		**115**	**0-8**
CATAC	X	03 03 15 28.0–.90	13N–5.0	89W–3.0	22–5	3.0,3.0	**¶625375496**	
SNET	X	03 03 15 27.5–1.6	13N–11	89W–5.0	16–6	3.5,3.5		
GCG	X	03 03 15 29.6–.39	13.10N	89.63W	26–9	3.2,3.5		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.0km s-min=5.9km az=24.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=8.3km s-min=10.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**30 16 08 13.5–1.7**	**13.31N–.08**	**89.38W–.05**	**64–8**		**107**	**0-3**
SNET	IX	30 16 08 12.2	13N–4.0	89W–4.0	54–6	3.2,3.2	**¶625375156**	
CATAC	IX	30 16 08 12.7–.58	13N–4.0	89W–3.0	39–4	3.1,3.1		
GCG	IX	30 16 08 13.8–.64	13.42N	89.35W	62–4	4.0L,3.8		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. Error ellipse: s-maj=9.9km s-min=4.6km az=24.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=9.6km s-min=6.4km az=-1.0. Presumed earthquake.

ISC	**X**	**03 03 32 39.7–1.6**	**13.04N–.06**	**89.01W–.03**	**35–3**		**90**	**0-2**
CATAC	X	03 03 32 37.4–.84	13N–5.0	89W–3.0	27–5	2.8,2.8	**¶625375483**	
SNET	X	03 03 32 41.5–.71	13N–12	89W–5.0	39–9	3.1,3.1		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**12 05 56 14.1–1.9**	**13.64N–.06**	**88.30W–.04**	**182–11**		**158**	**0-2**
GCG	X	12 05 56 11.4–.64	13.50N	88.40W	196–6	4.2	**¶625379236**	
SNET	X	12 05 56 12.2–2.2	13N–11	88W–6.0	187–19	2.8,2.8		
CATAC	X	12 05 56 12.8–.49	14N–5.0	88W–3.0	183–3	2.7,2.7		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**03 10 37 12.5–1.8**	**13.25N–.08**	**89.76W–.05**	**42–12**		**123**	**0-2**
CATAC	X	03 10 37 11.3–.82	13N–5.0	90W–4.0	27–4	3.1,3.1	**¶625375462**	
SNET	X	03 10 37 11.8–1.2	13N–10	90W–7.0	30–4	3.3,3.3		
GCG	X	03 10 37 12.9–.29	13.36N	89.79W	43–13	3.4,3.3		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.9km s-min=7.4km az=32.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=6.5km s-min=6.6km az=-1.0. Presumed earthquake.

ISC	**X**	**10 08 58 05.8–1.9**	**13.12N–.08**	**89.23W–.04**	**34–2**		**68**	**1-2**
CATAC	X	10 08 58 04.3–.90	13N–6.0	89W–3.0	26–5	2.5,2.5	**¶625375987**	
SNET	X	10 08 58 04.7	13N–3.0	89W–3.0	59–4	2.7,2.7		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**06 09 44 09.1–2.4**	**13.1N–.10**	**89.68W–.07**	**43**		**53**	**1-2**
GCG	X	06 09 44 09.6–.29	13.17N	89.69W	27–2	3.4	**¶625375664**	
SNET	X	06 09 44 10.2	13N–2.0	90W–2.0	43–4	3.2,3.0		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**10 21 32 23.6–1.4**	**13.20N–.04**	**89.68W–.03**	**26–12**		**214**	**0-7**
CATAC	X	10 21 32 23.7–.49	13N–3.0	90W–2.0	27–3	3.9,3.9	**¶625375946**	
SNET	X	10 21 32 24.4–.84	13N–8.0	90W–5.0	36–4	3.8,3.8		
GCG	X	10 21 32 24.9–.85	13.30N	89.76W	44–14	4.3,3.8		

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=6.5km s-min=4.7km az=30.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=8.3km s-min=4.4km az=-1.0. Presumed earthquake.

ISC	**X**	**16 06 20 37.6–.77**	**13.59N–.02**	**88.67W–.01**	**14–4**		**221**	**0-2**
CATAC	X	16 06 20 37.7–.21	14N–2.0	89W–1.0	7–2	3.0,3.0	**¶625379511**	
SNET	X	16 06 20 37.7	13.6N–.40	88.7W–.40	8–0	3.4,3.4		
GCG	X	16 06 20 39.9–.36	13.71N	88.78W	3–16	3.7,3.4		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.0km s-min=1.8km az=17.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Error ellipse: s-maj=19.3km s-min=20.6km az=-1.0. Presumed earthquake.

ISC	**X**	**16 03 38 10.4–3.7**	**13.8N–.10**	**89.7W–.10**	**120–23**		**34**	**0-1**
SNET	X	16 03 37 53.4–5.9	14N–27	90W–22	240–49	2.8,2.8	**¶625379540**	
GCG	X	16 03 38 06.7–.34	14.67N	88.96W	22–30	3.5,2.8		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=16.2km s-min=28.1km az=-1.0. Presumed earthquake.

ISC	**X**	**15 23 02 45.6–.80**	**13.09N–.05**	**89.25W–.03**	**55–6**	**4.2b,3.1s**	**408**	**0-138**
GCG	X	15 23 02 46.7–.55	13.19N	89.26W	25–7	4.3L,4.2	**¶625379309**	
CATAC	X	15 23 02 46.2–.33	13N–2.0	89W–2.0	31–2	4.7,4.7		
SNET	X	15 23 02 46.2	13N–1.0	89W–1.0	45–3	4.6,4.6		
NEIC	X	15 23 02 46.9–1.7	13.12N–.07	89.28W–.06	53–4	4.2b,4.6		
IDC	X	15 23 02 52.6–1.6	13.48N	89.19W	111–15	4.0,3.6b		

ISC Event type se.
GCG Event type se. Error ellipse: s-maj=8.2km s-min=6.2km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=5.6km s-min=2.8km az=33.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.83 $M_{\theta\theta}$-1.99 $M_{\phi\phi}$-0.84 $M_{r\theta}$1.09 $M_{\theta\phi}$0.95 $M_{\phi r}$-0.87 NP1:ϕ_s123.30503°,δ58.74562°,λ93.67704°. NP2:ϕ_s296.24420°,δ31.44818°,λ83.96802°. Principal axes: T 3.1742,Plg75.9575°,Azm44.0766°; N -0.3116,Plg3.1428°,Azm301.3953°; P -2.8626,Plg13.6722°,Azm210.6300° $M_0$3.03045×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.36 $M_{\theta\theta}$0.43 $M_{\phi\phi}$0.93 $M_{r\theta}$-0.43 $M_{\theta\phi}$-0.12 $M_{\phi r}$0.42 NP1: ϕ_s154.20132°,δ57.99701°,λ-99.32711°. NP2:ϕ_s351.42016°,δ33.19533°,λ-75.46136°. Principal axes: T 1.0666,Plg12.5313°,Azm250.9433°; N 0.4542,Plg7.8997°,Azm159.1759°; P -1.5208,Plg75.1174°,Azm37.7013° $M_0$1.35218×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.41 $M_{\theta\theta}$0.52 $M_{\phi\phi}$0.89 $M_{r\theta}$-0.36 $M_{\theta\phi}$-0.13 $M_{\phi r}$0.39 NP1: ϕ_s153.11782°,δ56.73037°,λ-96.19388°. NP2:ϕ_s344.30827°,δ33.77599°,λ-80.66176°. Principal axes: T 1.0359,Plg11.5285°,Azm247.5836°; N 0.4959,Plg5.1757°,Azm156.5249°; P -1.5318,Plg77.3338°,Azm42.7568° $M_0$1.35378×10^{15}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.3km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.1km s-min=11.9km az=40.0.

ISC	**X**	**14 22 41 43.7–1.6**	**13.11N–.06**	**89.64W–.05**	**29–11**		**193**	**0-3**
SNET	X	14 22 41 41.0–2.1	13N–13	90W–7.0	22–8	3.9,3.9	**¶625379295**	
CATAC	X	14 22 41 44.1–.47	13N–2.0	90W–2.0	24–2	3.7,3.7		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**16 06 38 11.3–.81**	**13.60N–.02**	**88.67W–.01**	**12–5**		**169**	**0-4**
CATAC	X	16 06 38 11.3–.23	14N–2.0	89W–1.0	5–2	2.7,2.7	**¶625379510**	
SNET	X	16 06 38 11.1–.33	14N–3.0	89W–1.0	5–3	3.2,3.2		
GCG	X	16 06 38 12.8–.34	13.65N	88.73W	8–44	3.5,3.2		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.9km s-min=1.9km az=16.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=21.5km s-min=20.9km az=-1.0. Presumed earthquake.

ISC	**X**	**23 00 21 27.4–2.2**	**13.17N–.09**	**89.85W–.06**	**31–11**		**88**	**0-2**
CATAC	X	23 00 21 28.9–.91	13N–5.0	90W–4.0	27–4	3.1,3.1	**¶625379904**	
SNET	X	23 00 21 28.5	13N–2.0	90W–2.0	54–4	3.1,3.1		
GCG	X	23 00 21 30.2–.31	13.33N	89.83W	31–6	3.1,3.1		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=12.2km s-min=7.9km az=34.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=6.2km s-min=6.2km az=-1.0. Presumed earthquake.

ISC	**X**	**21 09 07 32.2–1.5**	**13.14N–.06**	**89.57W–.03**	**26–11**		**186**	**0-3**
SNET	X	21 09 07 29.4–2.0	13N–13	90W–9.0	25–7	3.6,3.6	**¶625379841**	
CATAC	X	21 09 07 31.5–.72	13N–4.0	90W–3.0	23–4	3.3,3.3		
GCG	X	21 09 07 33.6–1.1	13.28N	89.65W	31–8	4.0,3.3		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=9.3km s-min=5.7km az=21.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=14.5km s-min=6.9km az=-1.0. Presumed earthquake.

ISC	**X**	**20 17 57 23.5–1.3**	**13.09N–.04**	**89.44W–.02**	**26–12**		**303**	**0-4**
CATAC	X	20 17 57 22.8–.48	13N–3.0	89W–2.0	26–2	4.0,4.0	**¶625379712**	
SNET	X	20 17 57 23.2	13.1N–.80	89.5W–.80	46–2	3.9,3.9		
GCG	X	20 17 57 24.2–.91	13.17N	89.50W	50–18	4.0,3.9		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.1km s-min=3.7km az=31.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=12.5km s-min=8.2km az=-1.0. Presumed earthquake.

SNET	**X**	**22 03 30 08.6**	**13.65N**	**89.05W**	**5**	**2.0L,1.9**		
							¶635806527	

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.

ISC	**X**	**16 07 45 00.2–.80**	**13.60N–.02**	**88.69W–.01**	**12–5**		**139**	**0-2**
CATAC	X	16 07 45 00.0–.22	14N–2.0	89W–1.0	8–1	2.4,2.4	**¶625379500**	
SNET	X	16 07 45 00.0	14N–1.0	89W–1.0	3–2	3.0,3.0		
GCG	X	16 07 45 02.8–.48	13.72N	88.80W	3–21	3.2,3.0		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.8km s-min=1.8km az=18.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Error ellipse: s-maj=24.1km s-min=26.4km az=-1.0. Presumed earthquake.

ISC	**X**	**25 09 58 43.1–1.4**	**13.11N–.06**	**89.66W–.04**	**44–15**		**199**	**0-3**
SNET	X	25 09 58 41.3–2.0	13N–14	90W–10	55–17	3.8,3.8	**¶625380096**	
CATAC	X	25 09 58 42.4–.46	13N–2.0	90W–3.0	29–3	3.5,3.5		
GCG	X	25 09 58 43.5–1.8	13.18N	89.75W	36–365	4.3,3.5		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=6.0km s-min=4.1km az=54.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=14.4km s-min=9.0km az=-1.0. Presumed earthquake.

ISC	**X**	**27 15 17 55.6–1.3**	**13.14N–.05**	**89.26W–.03**	**50–8**		**238**	**0-4**
CATAC	X	27 15 17 54.8–.36	13N–2.0	89W–2.0	29–2	3.7,3.7	**¶625380219**	
SNET	X	27 15 17 55.2	13.2N–.90	89.3W–.90	51–1	3.7,3.7		
GCG	X	27 15 17 56.5–.63	13.25N	89.34W	54–6	4.4L,4.2		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.6km s-min=3.0km az=36.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=15.4km s-min=6.2km az=-1.0. Presumed earthquake.

SNET	**X**	**28 22 21 14.0**	**13N–8.0**	**90W–8.0**	**14**			
							¶625380345	

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**27 23 28 23.3–1.6**	**13.17N–.08**	**89.43W–.05**	**43–13**		**98**	**0-2**
CATAC	X	27 23 28 22.8–.62	13N–4.0	89W–3.0	28–3	3.0,3.0	**¶625380199**	
GCG	X	27 23 28 24.4–1.0	13.27N	89.47W	38–19	3.8,3.0		
SNET	X	27 23 28 25.3–.64	13N–8.0	89W–3.0	31–5	3.0,3.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**29 08 36 24.8–1.6**	**13.21N–.08**	**89.32W–.04**	**56–9**		**128**	**0-3**
CATAC	X	29 08 36 24.4–.75	13N–6.0	89W–3.0	29–5	3.1,3.1	**¶625380644**	
SNET	X	29 08 36 24.5	13N–2.0	89W–2.0	54–3	3.1,3.1		
GCG	X	29 08 36 25.5–.34	13.32N	89.34W	58–6	3.7,3.1		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=12.8km s-min=5.0km az=13.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=9.3km s-min=9.5km az=-1.0. Presumed earthquake.

ISC	**X**	**31 10 46 45.2–1.7**	**13.27N–.06**	**89.86W–.05**	**24–13**		**151**	**0-3**
GCG	X	31 10 46 43.6–.69	13.21N	89.95W	32–8	3.4	**¶625380824**	
CATAC	X	31 10 46 43.9–.65	13N–4.0	90W–4.0	27–4	3.3,3.3		
SNET	X	31 10 46 44.3	13N–2.0	90W–2.0	53–2	3.4,3.3		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**03 19 00 54.7–1.4**	**13.20N–.05**	**89.77W–.03**	**12–10**		**153**	**0-91**
SNET	XI	03 19 00 55.9	13.2N–1.0	89.8W–1.0	59–1	3.5,3.4	**¶635690512**	
GCG	XI	03 19 00 56.8–.42	13.24N	89.88W	29–1	3.8,3.4		
CATAC	XI	03 19 00 56.3–.51	13N–3.0	90W–3.0	29–3	3.3,3.3		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**01 15 40 11.8–2.7**	**13.2N–.20**	**89.32W–.07**	**50**		**42**	**0-1**
SNET	XI	01 15 40 12.0	13N–2.0	89W–2.0	54–2	3.3,3.2	**¶635690433**	
GCG	XI	01 15 40 13.1–.34	13.33N	89.31W	55–3	3.7L,3.3		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=8.4km s-min=9.8km az=-1.0. Presumed earthquake.

ISC	**XI**	**01 22 00 20.7–1.9**	**13.2N–.10**	**89.34W–.06**	**43**		**52**	**0-33**
SNET	XI	01 22 00 10.6–3.9	13N–26	90W–17	10	3.8,3.8	**¶626019547**	
GCG	XI	01 22 00 20.7–.37	13.27N	89.31W	54–4	3.7L,3.3		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=9.1km s-min=6.0km az=-1.0. Presumed earthquake.

ISC	**X**	**31 23 52 50.8–1.7**	**13.30N–.08**	**89.56W–.05**	**35**		**55**	**0-2**
GCG	X	31 23 52 47.5–.31	13.22N	89.64W	45–14	3.6	**¶625380810**	
SNET	X	31 23 52 54.2–.64	14N–5.0	90W–4.0	10	3.2,3.2		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XI**	**11 07 49 24.1–1.7**	**13.19N–.06**	**89.78W–.05**	**27–11**		**192**	**0-4**
CATAC	XI	11 07 49 23.7–.59	13N–3.0	90W–3.0	20–3	3.3,3.3	**¶635691592**	
SNET	XI	11 07 49 23.6	13N–2.0	90W–2.0	46–2	3.6,3.4		
GCG	XI	11 07 49 24.1–.73	13.23N	89.87W	29–6	4.0,3.4		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.8km s-min=5.8km az=19.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=6.8km s-min=5.5km az=-1.0. Presumed earthquake.

ISC	**XI**	**03 16 15 48.0–3.2**	**13.2N–.20**	**89.99W–.08**	**15–12**		**26**	**1-1**
GCG	XI	03 16 15 50.9–1.0	13.22N	90.05W	22–10	3.4	**¶626019935**	
SNET	XI	03 16 15 52.1	13N–1.0	90W–1.0	26–1	3.6,3.3		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**08 11 43 05.8–1.5**	**13.19N–.07**	**89.57W–.04**	**28–11**		**100**	**0-4**
CATAC	XI	08 11 43 05.1–.95	13N–7.0	90W–4.0	14–9	3.3,3.3	**¶626020483**	
GCG	XI	08 11 43 06.2–.78	13.21N	89.69W	30–3	3.5,3.3		
SNET	XI	08 11 43 06.5	13N–3.0	90W–3.0	46–4	3.1,3.1		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**03 22 12 08.9–2.6**	**13.5N–.20**	**89.62W–.09**	**63–14**		**20**	**0-1**
GCG	XI	03 22 12 07.3–.78	13.26N	89.88W	36–999	3.7	**¶626019944**	
SNET	XI	03 22 12 07.7	13N–4.0	90W–4.0	61–3	3.0,3.0		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**08 17 45 43.7–.47**	**13.11N–.04**	**89.23W–.03**	**66–3**	**4.5b**	**520**	**0-148**
CATAC	XI	08 17 45 44.8–.27	13N–2.0	89W–2.0	31–3	4.9,4.9	**¶621385019**	
IDC	XI	08 17 45 44.4–.52	13.41N	88.93W	64–4	4.0,3.8b		
SNET	XI	08 17 45 44.6	13.1N–.90	89.3W–.90	49–2	4.9,4.8		
NEIC	XI	08 17 45 45.2–2.1	13.17N–.07	89.18W–.07	71–5	4.5b,4.8		
GCG	XI	08 17 45 46.5–1.2	13.23N	89.34W	50–20	4.6,4.8		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.0km s-min=2.8km az=48.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=22.1km s-min=9.0km az=48.0.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.7km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=19.4km s-min=8.3km az=-1.0. Presumed earthquake.

ISC	**XI**	**16 03 48 51.7–2.1**	**13.20N–.09**	**89.82W–.07**	**42–12**		**84**	**0-2**
CATAC	XI	16 03 48 50.6–.58	13N–4.0	90W–3.0	26–3	3.0,3.0	**¶635691963**	

SNET XI 16 03 48 50.6 13N–2.0 90W–2.0 52–3 3.2,3.1
GCG XI 16 03 48 51.9–.44 13.25N 89.80W 43–16 3.2,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.6km s-min=6.0km az=5.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=8.1km s-min=8.7km az=-1.0. Presumed earthquake.
ISC XI 29 00 25 15.8–2.1 13.1N–.10 89.58W–.05 47–13 118 0-2
CATAC XI 29 00 25 15.0–.58 13N–4.0 90W–3.0 32–5 3.2,3.2 **¶635692698**
GCG XI 29 00 25 16.9–.72 13.26N 89.55W 50–9 3.1,3.2
SNET XI 29 00 25 16.3 13N–4.0 90W–4.0 53–7 3.1,3.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XI 23 15 27 55.7–.87 13.61N–.02 88.60W–.01 8–7 230 0-3
CATAC XI 23 15 27 55.5–.13 14N–1.0 88.6W–.70 3–0 3.5,3.5 **¶635692343**
SNET XI 23 15 27 55.2 13.6N–.40 88.6W–.40 5–2 3.7,3.6
GCG XI 23 15 28 00.0–1.5 13.68N 88.84W 1–36 3.7,3.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=3.1km s-min=1.3km az=17.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
GCG Event type se. Error ellipse: s-maj=61.5km s-min=46.9km az=-1.0. Presumed earthquake.
ISC XI 28 10 11 27.5–2.2 13.04N–.09 89.88W–.06 30–12 70 1-5
SNET XI 28 10 11 26.9 13N–6.0 90W–6.0 24–7 3.3,3.0 **¶626020936**
CATAC XI 28 10 11 29.6–.68 13N–4.0 90W–3.0 22–3 2.8,2.8
GCG XI 28 10 11 31.4–.63 13.27N 89.87W 32–4 3.0,2.8
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
CATAC Event type se. Error ellipse: s-maj=8.5km s-min=5.6km az=20.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=8.1km s-min=6.0km az=-1.0. Presumed earthquake.
CATAC XI 18 10 55 21.1–.47 13N–4.0 90W–3.0 42–4 3.0,3.0
GCG XI 18 10 55 21.2–.31 13.40N 89.69W 63–3 3.3,3.0 **¶626020833**
SNET XI 18 10 55 21.9 13N–4.0 90W–4.0 61–3 3.0,3.0
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
CATAC XI 26 23 00 51.0–.81 14N–3.0 89W–2.0 23–4 2.5,2.5
¶635891155
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET XI 26 23 01 46.9 13.7N–.30 89.0W–.30 4–0 2.6,2.6
¶635692614
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
ISC XI 29 12 11 09.2–2.4 13.3N–.10 89.92W–.08 30–12 48 0-2
CATAC XI 29 12 11 09.9–.68 13N–5.0 90W–3.0 29–3 2.8,2.8 **¶635692678**
GCG XI 29 12 11 10.3–.28 13.36N 89.93W 32–2 3.1,2.8
SNET XI 29 12 11 10.6 13N–3.0 90W–3.0 41–4 2.9,2.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 09 08 18 21.3–1.8 13.15N–.09 89.27W–.05 43 56 0-1
CATAC XII 09 08 18 19.9–.66 13N–4.0 89W–3.0 26–6 2.5,2.5 **¶625355784**
SNET XII 09 08 18 20.3 13N–2.0 89W–2.0 46–4 2.5,2.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XI 29 14 20 19.6–1.9 13.28N–.08 89.93W–.06 31–10 100 0-5
GCG XI 29 14 20 19.6–.56 13.32N 89.95W 33–3 3.8 **¶635692668**
CATAC XI 29 14 20 19.3–.65 13N–4.0 90W–3.0 27–3 3.5,3.5
SNET XI 29 14 20 20.0 13N–4.0 90W–4.0 41–8 3.5,3.5
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 10 23 57 03.7–2.5 13.2N–.10 89.91W–.08 31–13 34 0-2
SNET XII 10 23 57 04.0 13N–2.0 90W–2.0 30–1 3.2,3.2 **¶625355885**
CATAC XII 10 23 57 04.2–.85 13N–5.0 90W–4.0 29–4 3.1,3.1
GCG XII 10 23 57 05.8–.44 13.26N 89.83W 38–3 3.7,3.1
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
CATAC Event type se. Error ellipse: s-maj=12.3km s-min=7.8km az=34.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=7.9km s-min=4.7km az=-1.0. Presumed earthquake.
CATAC XII 11 02 47 38.9–.88 13N–6.0 90W–3.0 27–5 2.8,2.8
SNET XII 11 02 47 39.8 13N–2.0 90W–2.0 42–6 2.8,2.8 **¶625356027**
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 12 02 37 35.2–1.4 13.09N–.05 89.53W–.04 31–11 116 0-3
CATAC XII 12 02 37 35.7–.33 13N–2.0 90W–2.0 32–2 3.8,3.8 **¶625356094**
SNET XII 12 02 37 36.2 13N–1.0 90W–1.0 41–2 3.8,3.8
GCG XII 12 02 37 37.0–.66 13.25N 89.53W 52–9 4.0L,3.9
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.0km s-min=3.4km az=36.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=8.6km s-min=4.3km az=-1.0. Presumed earthquake.
ISC XII 13 04 44 42.7–1.8 13.51N–.07 89.81W–.05 69–8 70 0-2
CATAC XII 13 04 44 41.2–.45 13N–3.0 90W–3.0 57–3 3.2,3.2 **¶625356224**
SNET XII 13 04 44 41.2 14N–2.0 90W–2.0 74–1 3.2,3.2
GCG XII 13 04 44 44.3–1.2 13.69N 89.83W 57–16 3.5,3.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.2km s-min=5.3km az=25.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=13.2km s-min=6.0km az=-1.0. Presumed earthquake.
ISC XII 14 11 36 53.6–.88 13.74N–.02 89.29W–.01 4–4 116 0-2
CATAC XII 14 11 36 53.6–.26 14N–2.0 89.3W–1.0 5–1 2.8,2.8 **¶625356274**
SNET XII 14 11 36 53.4 13.7N–.10 89.3W–.10 4–0 2.8,2.8
GCG XII 14 11 36 54.0–1.3 13.79N 89.34W 1–18 3.8W,3.0
ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=3.6km s-min=1.9km az=17.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-EL_SALVADOR. confirmed.
GCG Event type se. Error ellipse: s-maj=7.1km s-min=8.3km az=-1.0. Presumed earthquake.
ISC XII 18 07 05 56.8–2.0 13.55N–.08 89.89W–.05 57–9 53 0-2
GCG XII 18 07 05 55.5–.77 13.52N 89.90W 65–5 3.6 **¶625356521**
CATAC XII 18 07 05 56.4–.50 14N–4.0 90W–2.0 44–3 3.0,3.0
SNET XII 18 07 05 56.4 14N–2.0 90W–2.0 54–3 3.0,3.0
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
SNET XII 14 12 38 23.4–.43 14N–6.0 89W–4.0 10 3.4,3.4
¶625356270
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 18 02 43 52.0–2.8 13.3N–.10 89.59W–.05 58–13 47 0-1
SNET XII 18 02 43 49.9 13N–6.0 89W–6.0 28–3 3.0,3.0 **¶625356553**
CATAC XII 18 02 43 52.1–.56 13N–4.0 90W–2.0 38–3 2.9,2.9
GCG XII 18 02 43 53.0–.32 13.32N 89.68W 53–8 3.6,2.9
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
CATAC Event type se. Error ellipse: s-maj=9.2km s-min=4.5km az=7.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=8.1km s-min=7.8km az=-1.0. Presumed earthquake.
ISC XII 18 22 15 55.4–.67 13.18N–.05 88.62W–.03 109–4 4.1b 282 0-138
IDC XII 18 22 15 56.4–1.8 13.28N 88.56W 125–16 4.0,3.6b **¶625356477**
GCG XII 18 22 15 56.7–.75 13.25N 88.69W 105–8 4.5,3.6b
CATAC XII 18 22 15 56.1–.30 13N–2.0 89W–1.0 32–4 4.4,4.4
NEIC XII 18 22 15 56.1–1.3 13.18N–.08 88.59W–.05 103–5 4.1b,4.4
SNET XII 18 22 15 58.9 13N–2.0 89W–2.0 55–4 4.2,4.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
ISC XII 19 17 03 22.5–1.9 13.20N–.08 89.71W–.05 26–12 56 0-4
CATAC XII 19 17 03 22.5–.67 13N–5.0 90W–2.0 26–4 3.0,3.0 **¶625356600**
GCG XII 19 17 03 23.1–.40 13.23N 89.82W 29–5 3.4,3.0
SNET XII 19 17 03 26.2–.93 13N–8.0 90W–4.0 20–4 2.9,2.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 20 17 19 55.1–1.3 13.13N–.05 88.80W–.03 69–7 142 0-3
GCG XII 20 17 19 53.9–1.6 13.14N 88.77W 72–18 4.3L,4.2 **¶625356724**
CATAC XII 20 17 19 54.7–.21 13N–3.0 89W–1.0 54–3 4.2,4.2
SNET XII 20 17 19 54.7 13.2N–.90 88.8W–.90 74–1 4.1,4.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 21 00 00 05.8–2.2 13.3N–.10 89.64W–.07 58–12 32 0-2
CATAC XII 21 00 00 05.7–.53 13N–4.0 90W–3.0 37–3 2.8,2.8 **¶625356878**
SNET XII 21 00 00 06.1 13N–3.0 90W–3.0 63–3 2.8,2.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 20 21 22 17.8–3.2 13.1N–.20 89.40W–.09 26–12 26 0-1
CATAC XII 20 21 22 17.0–.98 13N–5.0 89W–5.0 20–4 3.5,3.5 **¶625356685**
SNET XII 20 21 22 17.7 13N–7.0 89W–7.0 16–134 3.7,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 22 16 13 18.7–1.6 13.23N–.07 89.82W–.04 30–11 63 0-2
CATAC XII 22 16 13 17.5–.52 13N–3.0 90W–3.0 30–2 3.2,3.2 **¶625356918**
GCG XII 22 16 13 18.9–.59 13.30N 89.91W 30–4 3.6,3.2
SNET XII 22 16 13 18.5 13N–2.0 90W–2.0 37–12 3.3,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 20 21 20 53.7–1.5 13.25N–.06 89.78W–.03 27–11 99 0-2
SNET XII 20 21 20 50.3–2.6 13N–20 90W–11 26–7 3.9,3.9 **¶625356707**
CATAC XII 20 21 20 51.4–.48 13N–3.0 90W–2.0 26–3 3.8,3.8
GCG XII 20 21 20 53.2–.61 13.28N 89.89W 31–4 4.0L,3.8
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=6.0km s-min=5.0km az=19.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=6.9km s-min=3.4km az=-1.0. Presumed earthquake.
ISC XII 24 13 09 32.3–1.1 13.57N–.05 89.89W–.03 33–5 67 0-2
SNET XII 24 13 09 27.9–2.1 13N–16 90W–14 31–6 3.9,3.9 **¶625357046**
GCG XII 24 13 09 28.9–.82 13.44N 90.06W 34–4 3.8,3.9
CATAC XII 24 13 09 28.4–.73 13N–6.0 90W–4.0 34–5 4.0,4.0
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 25 12 21 13.7–3.9 13.1N–.20 89.54W–.09 35–4 18 0-2
GCG XII 25 12 21 12.2–1.4 12.99N 89.73W 47–51 3.5 **¶625357150**
SNET XII 25 12 21 15.9 13.2N–.80 89.5W–.80 45–2 3.1,3.0
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 28 08 31 34.9–1.8 13.27N–.07 89.82W–.05 26–12 72 0-2
SNET XII 28 08 31 30.0–1.9 13N–11 90W–9.0 10 3.5,3.5 **¶625357344**
CATAC XII 28 08 31 33.6–.54 13N–3.0 90W–3.0 27–2 3.1,3.1
GCG XII 28 08 31 35.4–.63 13.35N 89.86W 45–10 3.7,3.1
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=7.0km s-min=5.1km az=29.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=10.5km s-min=3.4km az=-1.0. Presumed earthquake.
ISC XII 30 12 24 58.1–2.5 13.3N–.10 89.98W–.07 27–12 37 1-1

SNET XII 30 12 24 54.9 13N–1.0 90W–1.0 19–1 2.9,2.9 **¶625357467**
CATAC XII 30 12 24 55.7–.90 13N–5.0 90W–4.0 15–7 3.0,3.0
GCG XII 30 12 24 56.2–.72 13.25N 90.06W 27–5 3.0,3.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
CATAC Event type se. Error ellipse: s-maj=10.1km s-min=8.4km az=13.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=11.5km s-min=4.6km az=-1.0. Presumed earthquake.
ISC XII 31 04 17 56.2–2.3 13.2N–.10 89.83W–.06 28–12 54 0-2
CATAC XII 31 04 17 57.1–.62 13N–4.0 90W–3.0 32–3 3.1,3.1 **¶625357654**
SNET XII 31 04 17 57.4–1.9 13N–15 90W–8.0 28–5 3.3,3.3
GCG XII 31 04 17 58.5–.49 13.31N 89.75W 47–7 3.7,3.3
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.9km s-min=6.2km az=31.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=-1.0. Presumed earthquake.
ISC XII 31 08 36 18.1–1.7 13.02N–.08 89.16W–.04 53–13 82 0-2
CATAC XII 31 08 36 18.0–.39 13N–3.0 89W–2.0 30–2 3.4,3.4 **¶625357594**
GCG XII 31 08 36 18.8–.36 13.09N 89.22W 63–7 3.9,3.4
SNET XII 31 08 36 19.0 13N–3.0 89W–3.0 56–4 3.3,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

(74) Near coast of Nicaragua.

ISC VII 01 11 37 06.9–1.2 11.57N–.04 87.08W–.04 22–7 130 1-3
CATAC VII 01 11 37 06.8–.68 12N–3.0 87W–3.0 27–5 3.6,3.6 **¶625365058**
SNET VII 01 11 37 06.4 12N–1.0 87W–1.0 18–1 3.8,3.8L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 02 23 29 47.5–2.1 11.87N–.09 87.78W–.06 20–4 46 1-2
CATAC VII 02 23 29 50.4–.72 12N–3.0 88W–3.0 24–5 3.2,3.2 **¶625365114**
SNET VII 02 23 30 05.9–.34 13N–3.0 87W–3.0 10 3.8,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 04 12 05 33.4–1.4 12.34N–.05 87.78W–.04 51–13 114 1-2
CATAC VII 04 12 05 33.3–.29 12N–2.0 88W–1.0 33–2 3.1,3.1 **¶625365214**
SNET VII 04 12 05 33.9 12N–2.0 88W–2.0 55–6 3.2,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 07 09 17 43.0–1.3 11.00N–.03 86.36W–.04 14–9 175 1-3
UCR VII 07 09 17 43.7–.98 11.02N 86.29W 1–8 4.6W **¶625365484**
CATAC VII 07 09 17 43.1–.38 11N–1.0 86W–2.0 23–3 3.8,3.8
SNET VII 07 09 17 51.7–.97 12N–9.0 86W–6.0 14–4 3.6,3.4
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 07 19 14 10.5–1.4 12.20N–.05 87.04W–.05 72–9 49 0-3
CATAC VII 07 19 14 10.8–.30 12N–3.0 87W–3.0 51–3 3.8,3.8 **¶625365465**
SNET VII 07 19 14 11.0 12N–3.0 87W–3.0 60–4 4.0,3.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 08 18 15 03.5–1.7 11.49N–.06 87.08W–.04 24–13 145 1-2
CATAC VII 08 18 15 03.6–.35 11N–2.0 87W–1.0 28–3 3.9,3.9 **¶625365609**
SNET VII 08 18 15 05.0 12N–2.0 87W–2.0 20–4 3.8L,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 08 21 14 31.7–.88 11.95N–.04 86.36W–.05 174–5 188 0-140
IDC VII 08 21 14 31.8–1.5 12.21N 86.04W 161–34 4.0,3.5b **¶625365552**
CATAC VII 08 21 14 31.6–.23 12N–2.0 86W–2.0 168–1 3.2,3.2
UCR VII 08 21 14 33.0–1.4 11.20N 87.24W 29–44 3.7W,3.2
SNET VII 08 21 14 36.4–1.3 12N–8.0 86W–5.0 121–12 3.2,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 10 03 12 04.7–2.3 12.17N–.09 87.98W–.07 18–4 38 1-2
CATAC VII 10 03 12 05.2–.79 12N–3.0 88W–3.0 16–7 3.0,3.0 **¶625365785**
SNET VII 10 03 12 07.0–1.2 12N–7.0 88W–4.0 15–8 3.5,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 10 12 29 36.1–1.3 11.79N–.04 86.80W–.04 57–9 146 0-3
CATAC VII 10 12 29 35.6–.26 12N–2.0 87W–2.0 35–2 3.8,3.8 **¶625365747**
SNET VII 10 12 29 35.4–1.1 12N–8.0 87W–6.0 27–7 4.0,3.9
UCR VII 10 12 29 35.8–.88 11.86N 86.75W 32–31 3.9W,3.9
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=2.1km az=44.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
UCR Event type se. Error ellipse: s-maj=8.0km s-min=8.8km az=-1.0. Presumed earthquake.
ISC VII 11 18 52 32.1–1.9 12.42N–.08 87.97W–.06 26–13 57 1-2
CATAC VII 11 18 52 33.2–.56 12N–3.0 88W–3.0 29–4 3.6,3.6 **¶625365800**
SNET VII 11 18 52 33.6 12N–1.0 88W–1.0 30–1 3.8,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 12 05 54 00.8–1.2 12.45N–.04 87.80W–.03 17–9 85 1-2
CATAC VII 12 05 54 02.3–.36 12N–2.0 88W–1.0 31–3 2.7,2.7 **¶625365913**
SNET VII 12 05 54 04.1–.70 13N–7.0 88W–4.0 10 3.0,2.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 12 23 26 34.3–.33 11.64N–.03 86.46W–.03 99–2 5.1b 1178 0-165
NEIC VII 12 23 26 35.9 11.54N 86.65W 90 5.2 **¶625365880**
NEIC VII 12 23 26 35.4 11.64N 86.45W 94 5.2
NEIC VII 12 23 26 35.2–2.6 11.62N–.05 86.48W–.05 93–1 5.2b
IDC VII 12 23 26 35.3–.75 11.85N 86.00W 100–6 4.9,4.6b
GFZ VII 12 23 26 36.6–.33 12N–4.0 86W–4.0 96–3 5.4b,5.2
UCR VII 12 23 26 36.0–.82 11.66N 86.46W 90–4 5.3W,5.2
CATAC VII 12 23 26 36.5–.19 12N–2.0 87W–2.0 71–2 5.4,5.4
GCMT VII 12 23 26 37.4–.10 11.68N–.01 86.49W–.01 107–1 5.3W,5.4
GFZ VII 12 23 26 38.0 11.84N 86.28W 97 5.2W,5.4
SNET VII 12 23 26 38.9–3.7 12N–23 87W–21 10 5.7,5.6
UPA VII 12 23 27 29.7–1.7 8.03N 82.96W 9–71 4.9W,5.6
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}5.86 $M_{\theta\theta}$-1.87 $M_{\phi\phi}$-3.99 $M_{r\theta}$1.91 $M_{\theta\phi}$-5.50 $M_{\phi r}$-5.17 NP1:ϕ_s68.99000°,δ43.65000°,λ141.34000°. NP2:ϕ_s189.06000°,δ64.46000°,λ53.32000°. Principal axes: T 9.5711,Plg55.0000°,Azm52.0000°; N -0.4579,Plg33.0000°,Azm207.0000°; P -9.1131,Plg12.0000°,Azm305.0000° $M_0$9.35000×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.7km s-min=6.8km az=58.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
UCR Event type se. Error ellipse: s-maj=4.8km s-min=5.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=1.7km az=38.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.00 $M_{\theta\theta}$1.68 $M_{\phi\phi}$-2.68 $M_{r\theta}$0.72 $M_{\theta\phi}$0.06 $M_{\phi r}$-0.98 NP1:ϕ_s141.32405°,δ76.57419°,λ37.09061°. NP2:ϕ_s41.36772°,δ54.08418°,λ163.33998°. Principal axes: T 2.1913,Plg35.3779°,Azm7.5526°; N 0.7470,Plg50.8852°,Azm158.3963°; P -2.9383,Plg14.5134°,Azm266.9604° $M_0$2.64511×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107122326A. Moment Tensor Solution. s109,c178; s145,c263;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.41±.01 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$-0.26±.02; $M_{r\theta}$0.26±.01; $M_{\theta\phi}$-0.59±.02; $M_{\phi r}$-0.73±.01; Best double couple: NP1: ϕ_s75.00000°,δ41.00000°,λ156.00000°. NP2:ϕ_s183.00000°,δ74.00000°,λ51.00000°. Principal axes: T 1.1160,Plg46.0000°,Azm54.0000°; N -0.1870,Plg37.0000°,Azm196.0000°; P -0.9280,Plg20.0000°,Azm301.0000° $M_0$1.02200×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.60 $M_{\theta\theta}$-1.53 $M_{\phi\phi}$-1.07 $M_{r\theta}$1.97 $M_{\theta\phi}$-3.68 $M_{\phi r}$-7.29 NP1: ϕ_s74.22475°,δ28.76034°,λ162.23844°. NP2:ϕ_s179.91000°,δ81.55981°,λ62.40429°. Principal axes: T 9.6076,Plg46.3579°,Azm61.5760°; N -2.2694,Plg27.2718°,Azm184.2971°; P -7.3382,Plg31.0704°,Azm292.3935° $M_0$8.69787×10^{16}
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
UPA Event type se. Error ellipse: s-maj=98.0km s-min=83.1km az=-1.0. Presumed earthquake.
ISC VII 13 18 33 17.6–1.3 11.56N–.04 87.48W–.04 31–10 4.2b 169 1-150
IDC VII 13 18 33 15.9–1.5 12.01N 86.99W 0 4.1b,4.1 **¶625365950**
CATAC VII 13 18 33 16.0–.90 11N–5.0 88W–4.0 18–15 4.0,4.0
NEIC VII 13 18 33 17.1–1.8 11.66N–.05 87.31W–.06 28–4 4.1b,4.0
UCR VII 13 18 33 19.2–1.7 11.60N 87.37W 22–11 4.1b,4.0
SNET VII 13 18 33 19.5–.86 12N–8.0 87W–4.0 10 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 15 05 02 32.4–1.1 11.63N–.03 87.04W–.03 19–3 4.3b,3.4s 226 1-150
IDC VII 15 05 02 30.1–.94 12.28N 86.70W 0 3.9b,3.9 **¶620829346**
CATAC VII 15 05 02 32.3–.43 12N–2.0 87W–2.0 27–3 4.2,4.2
SNET VII 15 05 02 32.7–.50 12N–5.0 87W–2.0 10 4.5,4.4
UCR VII 15 05 02 34.1–1.1 11.70N 87.00W 70–35 4.3W,4.4
NEIC VII 15 05 02 36.0–1.6 11.74N–.07 86.92W–.07 45–14 4.3b,4.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 15 18 32 41.5–1.9 11.6N–.10 87.73W–.05 21–5 62 1-3
CATAC VII 15 18 32 41.4–.55 12N–5.0 88W–2.0 15 3.3,3.3 **¶625366086**
SNET VII 15 18 32 42.2 12N–9.0 88W–9.0 18–5 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 15 02 21 11.3–1.7 11.35N–.05 87.03W–.05 20–4 91 1-4
UCR VII 15 02 21 10.3–1.1 11.30N 87.05W 6–14 4.0W **¶625366202**
CATAC VII 15 02 21 11.5–.85 11N–4.0 87W–3.0 18–6 3.9,3.9
SNET VII 15 02 21 13.7 11N–2.0 87W–2.0 20–2 3.8L,3.8
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 15 19 52 26.7–1.4 12.45N–.05 87.77W–.04 54–14 90 1-2
SNET VII 15 19 52 26.8 12N–2.0 88W–2.0 60–3 3.4,3.4 **¶625366082**
CATAC VII 15 19 52 26.4–.32 12N–2.0 88W–1.0 34–3 3.3,3.3
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 17 08 45 07.5–2.5 11.73N–.10 87.70W–.07 24–18 45 1-3
CATAC VII 17 08 45 07.9–.80 12N–3.0 88W–2.0 28–8 3.2,3.2 **¶625366402**
SNET VII 17 08 45 11.9 12N–6.0 88W–6.0 25–5 3.3,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 18 23 43 21.3–1.5 11.66N–.04 87.28W–.04 15–9 110 1-5
UCR VII 18 23 43 22.1–.72 11.64N 87.32W 20–19 3.5W **¶625366438**
CATAC VII 18 23 43 23.1–.40 12N–2.0 87W–2.0 32–5 3.6,3.6
SNET VII 18 23 43 23.3 12N–2.0 87W–2.0 24–3 3.6,3.6
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 17 18 22 35.9–1.3 11.21N–.04 86.22W–.04 29–12 120 0-3
UCR VII 17 18 22 34.3–.56 11.16N 86.32W 25–5 3.8W **¶625300212**
CATAC VII 17 18 22 36.2–.30 11N–2.0 86W–2.0 34–2 3.5,3.5
SNET VII 17 18 22 36.8–.59 11N–4.0 86W–5.0 30–5 3.5L,3.4
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 19 13 11 39.5–1.9 12.4N–.10 87.71W–.07 46–21 47 1-3
SNET VII 19 13 11 17.7–3.2 12N–29 88W–11 249–22 3.6,3.6 **¶625366583**

CATAC VII 19 13 11 39.0–.57 12N–4.0 88W–3.0 30–3 2.9,2.9
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 19 13 41 55.0–1.5 11.00N–.04 86.31W–.05 9–10 62 1-2
CATAC VII 19 13 41 54.6–.57 11N–3.0 86W–2.0 21–4 3.0,3.0 **¶625300241**
UCR VII 19 13 41 58.9–.44 10.94N 86.20W 15–6 3.7W,3.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=37.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=5.0km s-min=14.6km az=-1.0. Presumed earthquake.
ISC VII 22 01 35 05.8–1.4 11.35N–.04 86.90W–.05 22–13 106 1-3
SNET VII 22 01 35 04.8–2.2 11N–11 87W–15 10 4.5,4.3 **¶625300287**
CATAC VII 22 01 35 05.2–.56 11N–2.0 87W–2.0 25–4 4.1,4.1
UCR VII 22 01 35 22.8–1.2 11.13N 85.75W 28–9 4.2W,4.1
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=36.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=38.4km s-min=37.9km az=-1.0. Presumed earthquake.
ISC VII 21 22 19 31.8–1.9 11.45N–.05 87.85W–.05 14–10 73 1-5
CATAC VII 21 22 19 30.0–.40 11N–2.0 88W–2.0 10 3.8,3.8 **¶625300273**
UCR VII 21 22 19 33.8–.87 10.24N 87.92W 0–999 3.8W,3.8
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.9km s-min=3.5km az=24.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=331.2km s-min=999.9km az=-1.0. Presumed earthquake.
ISC VII 24 01 55 19.9–2.0 11.62N–.08 87.71W–.05 33–3 62 1-3
CATAC VII 24 01 55 18.2–.66 12N–3.0 88W–3.0 29–7 3.3,3.3 **¶625366980**
SNET VII 24 01 55 20.0–1.6 12N–14 88W–5.0 10 3.7,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 22 02 16 37.3–1.3 11.39N–.03 86.98W–.03 16–8 171 1-4
CATAC VII 22 02 16 36.9–.38 11N–2.0 87W–1.0 16–4 4.0,4.0 **¶625366816**
UCR VII 22 02 16 38.9–1.5 11.42N 86.96W 25–7 3.9W,4.0
SNET VII 22 02 16 40.6 11N–2.0 87W–2.0 18–2 3.9,3.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 23 19 59 13.4–2.0 11.47N–.07 86.15W–.06 97–10 72 0-3
CATAC VII 23 19 59 14.0–.43 11N–3.0 86W–3.0 77–3 3.1,3.1 **¶625366892**
SNET VII 23 19 59 15.5 12N–3.0 86W–3.0 82–3 3.4L,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 22 01 28 24.5–.35 11.36N–.02 86.98W–.02 33–1 5.2b,4.7s 790 1-165
IDC VII 22 01 28 20.9–.43 11.83N 86.45W 0 4.6b,4.6 **¶625366835**
CATAC VII 22 01 28 23.1–.48 11N–2.0 87W–2.0 25–5 5.5,5.5
MOS VII 22 01 28 24.4–1.1 11.66N 86.80W 33 5.3b,5.5
GFZ VII 22 01 28 25.2 11.65N 86.33W 26 5.2W,5.5
SNET VII 22 01 28 25.3–.32 11N–3.0 87W–2.0 10 6.2b,5.9b
GFZ VII 22 01 28 25.2–.18 12N–2.0 86W–4.0 34–1 5.0b,5.0
NEIC VII 22 01 28 26.2–1.4 11.49N–.04 86.91W–.04 35–1 5.3b,5.2
UCR VII 22 01 28 27.9–1.6 11.56N 86.83W 55–32 5.5W,5.2
GCMT VII 22 01 28 28.5–.40 11.19N–.02 87.19W–.03 31–1 5.3W,5.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.41 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-2.55 $M_{r\theta}$2.40 $M_{\theta\phi}$2.30 $M_{\phi r}$-1.42 NP1:ϕ_s129.45419°,δ63.83116°,λ73.70869°. NP2:ϕ_s342.98602°,δ30.51888°,λ119.72109°. Principal axes: T 4.5082,Plg67.0716°,Azm8.8464°; N 0.4401,Plg14.5821°,Azm136.7985°; P -4.9484,Plg17.2954°,Azm231.4448° $M_0$4.74365×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.57 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-3.37 $M_{r\theta}$-3.17 $M_{\theta\phi}$2.58 $M_{\phi r}$3.11 NP1:ϕ_s156.07985°,δ24.59384°,λ106.60769°. NP2:ϕ_s317.91950°,δ66.49546°,λ82.54688°. Principal axes: T 6.3700,Plg67.6636°,Azm213.9535°; N 0.3988,Plg6.8316°,Azm320.9061°; P -6.7689,Plg21.1585°,Azm53.5638° $M_0$6.57854×10^{16}
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107220128A. Moment Tensor Solution. s42,c50; s94,c138; Duration: 1s0 Moment tensor; Scale 10^{17}Nm; M_{rr}0.75±.05 $M_{\theta\theta}$-0.50±.03; $M_{\phi\phi}$-0.24±.03; $M_{r\theta}$0.43±.04; $M_{\theta\phi}$0.45±.02; $M_{\phi r}$-0.42±.04; Best double couple: NP1:ϕ_s302.00000°,δ27.00000°,λ81.00000°. NP2:ϕ_s132.00000°,δ64.00000°,λ95.00000°. Principal axes: T 0.9570,Plg71.0000°,Azm52.0000°; N 0.0850,Plg4.0000°,Azm310.0000°; P -1.0430,Plg19.0000°,Azm218.0000° $M_0$1.00000×10^{17}
ISC VII 24 05 25 27.1–.98 11.67N–.03 86.57W–.03 63–5 226 0-140
IDC VII 24 05 25 19.0–2.6 11.08N 87.16W 0 3.8b,3.7 **¶625366946**
UCR VII 24 05 25 26.7–.85 11.63N 86.57W 51–14 4.4W,3.7
CATAC VII 24 05 25 27.5–.15 12N–1.0 87W–1.0 41–2 4.2,4.2
SNET VII 24 05 25 30.2–5.5 12N–32 87W–35 10 4.2,4.2
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.03 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$1.03 $M_{r\theta}$1.34 $M_{\theta\phi}$-3.08 $M_{\phi r}$-0.92 NP1:ϕ_s276.50491°,δ89.55035°,λ-155.06444°. NP2:ϕ_s186.29585°,δ65.06526°,λ-0.49587°. Principal axes: T 4.1160,Plg17.0111°,Azm48.6128°; N -1.3671,Plg65.0606°,Azm277.4719°; P -2.7489,Plg17.6773°,Azm144.2083° $M_0$3.63088×10^{18}
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 25 00 03 49.8–1.2 11.04N–.03 87.02W–.02 17–7 4.5b,3.6s 355 1-150
CATAC VII 25 00 03 51.8–.20 11N–1.0 87W–1.0 28 4.5,4.5 **¶625367112**
UCR VII 25 00 03 51.9–.59 11.04N 87.00W 26–13 4.8W,4.5
NEIC VII 25 00 03 54.0–1.2 11.22N–.06 86.87W–.06 37–9 4.5b,4.5
IDC VII 25 00 03 56.8–2.1 11.55N 86.43W 57–19 4.1,3.8b
SNET VII 25 00 03 56.8 11N–3.0 87W–3.0 28–3 4.6L,4.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.27 $M_{\theta\theta}$1.65 $M_{\phi\phi}$-1.92 $M_{r\theta}$0.72 $M_{\theta\phi}$0.88 $M_{\phi r}$2.45 NP1:ϕ_s119.05644°,δ36.97254°,λ4.59612°. NP2:ϕ_s25.38164°,δ87.23764°,λ126.88390°. Principal axes: T 2.8485,Plg36.7985°,Azm327.3876°; N 0.6827,Plg36.8340°,Azm203.3105°; P -3.5312,Plg32.0627°,Azm85.3294° $M_0$3.24420×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.13 $M_{\theta\theta}$2.15 $M_{\phi\phi}$-2.28 $M_{r\theta}$-0.21 $M_{\theta\phi}$1.23 $M_{\phi r}$1.80 NP1:ϕ_s116.58155°,δ65.46922°,λ-13.65022°. NP2:ϕ_s212.33913°,δ77.60250°,λ-154.84335°. Principal axes: T 2.5054,Plg8.1501°,Azm342.6224°; N 0.9891,Plg62.1339°,Azm236.9063°; P -3.4946,Plg26.4482°,Azm76.7078° $M_0$3.11990×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.27 $M_{\theta\theta}$1.65 $M_{\phi\phi}$-1.92 $M_{r\theta}$0.72 $M_{\theta\phi}$0.88 $M_{\phi r}$2.45 NP1:ϕ_s119.05644°,δ36.97254°,λ4.59612°. NP2:ϕ_s25.38164°,δ87.23764°,λ126.88390°. Principal axes: T 2.8485,Plg36.7985°,Azm327.3876°; N 0.6827,Plg36.8340°,Azm203.3105°; P -3.5312,Plg32.0627°,Azm85.3294° $M_0$3.24420×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.13 $M_{\theta\theta}$2.15 $M_{\phi\phi}$-2.28 $M_{r\theta}$-0.21 $M_{\theta\phi}$1.23 $M_{\phi r}$1.80 NP1:ϕ_s116.57515°,δ65.47559°,λ-13.63146°. NP2:ϕ_s212.32318°,δ77.61884°,λ-154.85159°. Principal axes: T 2.5040,Plg8.1574°,Azm342.6106°; N 0.9909,Plg62.1480°,Azm236.8703°; P -3.4948,Plg26.4310°,Azm76.6966° $M_0$3.11973×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.27 $M_{\theta\theta}$1.65 $M_{\phi\phi}$-1.92 $M_{r\theta}$0.72 $M_{\theta\phi}$0.88 $M_{\phi r}$2.45 NP1:ϕ_s119.04921°,δ36.95984°,λ4.63510°. NP2:ϕ_s25.34258°,δ87.21506°,λ126.86971°. Principal axes: T 2.8468,Plg36.8252°,Azm327.3492°; N 0.6837,Plg36.8190°,Azm203.2556°; P -3.5305,Plg32.0502°,Azm85.3058° $M_0$3.24314×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.26 $M_{\theta\theta}$2.77 $M_{\phi\phi}$-2.51 $M_{r\theta}$-0.10 $M_{\theta\phi}$1.02 $M_{\phi r}$1.59 NP1:ϕ_s121.24953°,δ68.88005°,λ-16.36675°. NP2:ϕ_s217.29016°,δ74.76036°,λ-158.07119°. Principal axes: T 2.9752,Plg3.9519°,Azm348.4004°; N 0.5021,Plg63.5120°,Azm250.4318°; P -3.4773,Plg26.1456°,Azm80.3438° $M_0$3.25546×10^{15}
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 15 07 42 08.1–2.0 12.55N–.08 87.36W–.06 102–11 72 0-2
CATAC VII 15 07 42 06.8–.42 13N–6.0 87W–5.0 96–4 2.9,2.9 **¶625366143**
SNET VII 15 07 42 09.0–1.4 13N–8.0 87W–5.0 84–18 3.2,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 25 02 55 07.8–2.1 11.14N–.10 86.91W–.09 59–36 70 1-3
CATAC VII 25 02 55 08.5–.71 11N–3.0 87W–3.0 29–10 3.0,3.0 **¶625367097**
SNET VII 25 02 55 11.7 11N–2.0 87W–2.0 58–3 3.4,3.3L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 25 15 27 41.7–1.8 11.65N–.06 87.15W–.06 31–12 79 1-3
CATAC VII 25 15 27 40.8–.52 12N–2.0 87W–2.0 26–4 3.4,3.4 **¶625367054**
SNET VII 25 15 27 40.3 12N–3.0 87W–3.0 27–2 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 25 00 41 58.9–1.3 11.08N–.04 86.95W–.04 33–7 4.2b,3.3s 223 1-150
IDC VII 25 00 41 54.8–1.1 10.96N 87.08W 0 3.7b,3.7 **¶620845815**
CATAC VII 25 00 41 58.8–.42 11N–2.0 87W–2.0 31–9 4.0,4.0
UCR VII 25 00 41 59.3–.45 11.10N 86.92W 37–770 4.6W,4.0
SNET VII 25 00 42 00.4 11N–3.0 87W–3.0 77–7 4.0,4.0L
NEIC VII 25 00 42 00.2–1.3 11.18N–.06 86.84W–.06 35–6 4.2b,4.0L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 26 13 46 12.7–1.6 11.13N–.05 87.01W–.05 25–14 117 1-3
CATAC VII 26 13 46 12.7–.46 11N–2.0 87W–2.0 21–4 3.5,3.5 **¶625300315**
UCR VII 26 13 46 12.1–.72 11.07N 87.04W 24–999 3.9W,3.5
SNET VII 26 13 46 16.4–1.7 11N–10 87W–11 10 3.5,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 28 04 38 02.7–.68 12.72N–.02 87.02W–.01 15–4 174 0-24
NEIC VII 28 04 38 02.2–1.4 12.76N–.04 87.03W–.05 10–2 4.1b **¶625367371**
CATAC VII 28 04 38 03.8–.11 12.8N–.80 87.0W–.70 3–0 3.6,3.6
SNET VII 28 04 38 05.1–.17 13N–3.0 87W–2.0 10 4.0,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 26 19 08 05.0–1.5 11.59N–.05 87.86W–.04 12–11 57 1-4
CATAC VII 26 19 08 06.5–.62 11N–4.0 88W–2.0 12–5 3.1,3.1 **¶625300320**
UCR VII 26 19 08 06.6–.92 11.69N 87.95W 20 3.6W,3.1
SNET VII 26 19 08 13.6–1.1 12N–11 88W–5.0 10 3.8,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 27 21 00 47.9–1.5 11.70N–.04 86.32W–.04 117–7 194 0-3
UCR VII 27 21 00 47.0–.67 11.74N 86.32W 123–11 3.8W **¶625367183**
CATAC VII 27 21 00 48.1–.24 12N–2.0 86W–2.0 103–1 3.4,3.4
SNET VII 27 21 00 49.5–2.2 12N–15 86W–18 78–32 3.3,3.3
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 26 17 33 06.5–1.0 11.59N–.04 87.66W–.03 48–9 4.6b,3.5s 268 1-149
IDC VII 26 17 33 01.4–.70 12.00N 87.26W 0 4.2b,4.2 **¶620847091**
CATAC VII 26 17 33 02.9–.37 12N–2.0 88W–1.0 16–2 4.2,4.2
NEIC VII 26 17 33 07.1–1.2 11.75N–.07 87.56W–.06 35–7 4.6b,4.2
SNET VII 26 17 33 08.1–.62 12N–7.0 88W–4.0 57–19 4.3,4.2
UCR VII 26 17 33 59.3–.39 9.91N 84.21W 34–4 3.7W,4.2
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=11.9km az=51.0.
CATAC Event type se. Error ellipse: s-maj=3.9km s-min=2.0km az=33.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.9km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
UCR Event type se. Error ellipse: s-maj=10.9km s-min=24.5km az=-1.0. Presumed earthquake.
ISC VII 28 09 03 21.9–1.7 12.67N–.08 87.97W–.05 90–13 54 1-2
CATAC VII 28 09 03 23.0–.40 13N–4.0 88W–2.0 65–5 2.5,2.5 **¶625367334**
SNET VII 28 09 03 29.6–2.3 12N–23 88W–5.0 10 3.5,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 28 12 43 31.1–1.5 11.80N–.04 86.53W–.04 89–7 129 0-2
CATAC VII 28 12 43 32.1–.25 12N–2.0 87W–2.0 64–2 3.1,3.1 **¶625367310**
SNET VII 28 12 43 39.8–.31 12N–3.0 86W–3.0 10 3.2,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 28 12 46 42.5–1.5 12.11N–.06 87.34W–.05 57–10 88 0-2
SNET VII 28 12 46 42.9 12N–1.0 87W–1.0 56–2 3.3,3.2 **¶625367309**

CATAC VII 28 12 46 42.6–.32 12N–2.0 87W–2.0 34–2 3.1,3.1
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 28 18 15 36.6–1.3 11.53N–.04 86.88W–.03 24–13 163 0-3
CATAC VII 28 18 15 36.9–.28 12N–1.0 87W–1.0 26–1 3.6,3.6 **¶625367272**
SNET VII 28 18 15 41.1 12N–2.0 87W–2.0 37–19 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 28 07 55 15.1–.85 12.75N–.03 87.01W–.02 10–5 73 0-2
SNET VII 28 07 55 15.7–.16 13N–3.0 87W–2.0 5 4.0,3.6 **¶625367344**
CATAC VII 28 07 55 15.3–.26 13N–2.0 87.0W–1.0 4–1 3.4,3.4
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 01 11 24 35.8–1.4 12.40N–.05 87.99W–.04 29–12 103 1-2
CATAC VIII 01 11 24 36.3–.33 12N–2.0 88W–2.0 28 3.2,3.2 **¶625367662**
SNET VIII 01 11 24 37.0 12N–2.0 88W–2.0 31–1 3.1,3.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 03 03 19 40.1–1.7 11.22N–.05 86.76W–.06 17–10 76 1-3
SNET VIII 03 03 19 39.0–2.4 11N–16 87W–15 10 3.6,3.4 **¶625367814**
CATAC VIII 03 03 19 40.9–.72 11N–4.0 87W–4.0 23–6 3.3,3.3
UCR VIII 03 03 19 40.1–.73 11.21N 86.76W 12–10 3.7W,3.3
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=10.6km s-min=4.4km az=40.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.2km s-min=5.2km az=-1.0. Presumed earthquake.
ISC VIII 02 01 49 45.4–1.5 12.01N–.04 87.80W–.03 14–10 96 1-3
CATAC VIII 02 01 49 44.8–.39 12N–2.0 88W–1.0 13–2 4.0,4.0 **¶625300386**
SNET VIII 02 01 49 47.0 12N–2.0 88W–2.0 15–2 3.8,3.8
UCR VIII 02 01 49 49.4–1.3 12.39N 87.47W 83–76 4.0W,3.8
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=28.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
UCR Event type se. Error ellipse: s-maj=66.3km s-min=42.6km az=-1.0. Presumed earthquake.
ISC VIII 03 11 02 42.9–2.1 12.87N–.10 87.37W–.06 162–13 50 0-3
SNET VIII 03 11 02 40.1 13N–1.0 87W–1.0 186–3 3.3L,3.1 **¶625367780**
CATAC VIII 03 11 02 43.2–.49 13N–6.0 87W–3.0 153–3 2.4,2.4
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 03 12 50 24.7–1.6 12.20N–.05 87.96W–.04 26–13 114 1-2
CATAC VIII 03 12 50 24.9–.41 12N–2.0 88W–1.0 26–3 3.7,3.7 **¶625367759**
SNET VIII 03 12 50 24.8 12N–2.0 88W–2.0 25–2 4.0,4.0L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 10 07 30 50.0–1.7 11.39N–.05 87.27W–.05 27–14 98 1-4
UCR VIII 10 07 30 50.8–1.4 11.40N 87.21W 46–335 4.0W **¶625368142**
CATAC VIII 10 07 30 51.5–.57 11N–3.0 87W–3.0 29–5 3.6,3.6
SNET VIII 10 07 30 53.7–3.7 12N–27 87W–15 10 4.0,3.6
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 05 09 25 00.6–1.1 12.74N–.03 87.61W–.03 14–7 78 0-2
CATAC VIII 05 09 24 59.9–.25 13N–2.0 88W–1.0 7–1 2.7,2.7 **¶625367900**
SNET VIII 05 09 25 00.2 13N–2.0 88W–2.0 6–2 3.2,3.0L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 04 06 10 29.1–2.2 12.85N–.07 87.40W–.05 152–13 72 0-2
SNET VIII 04 06 10 26.7 13N–3.0 87W–3.0 170–3 2.6,2.6 **¶625367829**
CATAC VIII 04 06 10 27.0–.51 13N–5.0 88W–5.0 152–3 2.4,2.4
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 05 06 24 26.5–1.9 11.36N–.06 86.97W–.06 27–13 89 1-2
CATAC VIII 05 06 24 25.6–.46 11N–2.0 87W–2.0 26–4 3.0,3.0 **¶625367927**
SNET VIII 05 06 24 27.6 11N–3.0 87W–3.0 26–2 3.4,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 05 22 25 13.1–1.3 11.84N–.04 86.81W–.04 60–7 184 0-3
UCR VIII 05 22 25 12.9–.97 11.90N 86.74W 70–17 3.9W **¶625300416**
CATAC VIII 05 22 25 13.1–.22 12N–2.0 87W–2.0 37–2 4.0,4.0
SNET VIII 05 22 25 13.1–.57 12N–5.0 87W–4.0 32–5 4.0,4.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 06 11 06 58.7–1.3 12.21N–.06 87.30W–.04 52–9 91 0-3
CATAC VIII 06 11 06 57.6–.38 12N–3.0 87W–2.0 35–3 3.7,3.7 **¶625367978**
SNET VIII 06 11 06 59.7 12N–2.0 87W–2.0 26–3 3.7,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 11 17 11 54.4–.70 11.57N–.03 86.75W–.03 59–6 4.4b,3.4s 275 0-150
CATAC VIII 11 17 11 53.8–.23 12N–1.0 87W–1.0 35–2 4.9,4.9 **¶625368237**
NEIC VIII 11 17 11 54.2–1.5 11.56N–.05 86.75W–.06 52–9 4.5b,4.9
SNET VIII 11 17 11 54.1 12N–1.0 87W–1.0 49–5 5.1L,4.9
IDC VIII 11 17 11 56.1–2.0 11.65N 86.63W 79–19 4.0,3.6b
RSNC VIII 11 17 11 56.4–.90 12N–4.0 87W–6.0 29–6 5.2b,4.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.24 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$0.34 $M_{r\theta}$2.08 $M_{\theta\phi}$1.40 $M_{\phi r}$-3.20 NP1:ϕ_S151.14306° ,δ85.58739°,λ106.07454°. NP2:ϕ_S256.09257°,δ16.65378°,λ15.57290°. Principal axes: T 3.5557,Plg47.0417°,Azm77.8398°; N 0.9214,Plg16.0256°,Azm329.8730° ; P -4.4771,Plg38.5387°,Azm226.6472° $M_0$4.09488×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.65 $M_{\theta\theta}$1.20 $M_{\phi\phi}$1.44 $M_{r\theta}$-0.24 $M_{\theta\phi}$-0.59 $M_{\phi r}$-0.23 NP1: ϕ_S135.33045°,δ44.93075°,λ-97.82757°. NP2:ϕ_S326.31949°,δ45.59938°,λ-82.26297°. Principal axes: T 1.9237,Plg0.3359°,Azm50.8568°; N 0.7550,Plg5.5196°,Azm140.8893° ; P -2.6787,Plg84.4701°,Azm317.3856° $M_0$2.39226×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.64 $M_{\theta\theta}$1.21 $M_{\phi\phi}$1.43 $M_{r\theta}$-0.26 $M_{\theta\phi}$-0.58 $M_{\phi r}$-0.20 NP1: ϕ_S135.01517°,δ45.44419°,λ-97.66406°. NP2:ϕ_S325.87257°,δ45.07327°,λ-82.28632°. Principal axes: T 1.9067,Plg0.1863°,Azm230.4264°; N 0.7631,Plg5.4531°,Azm140.4086° ; P -2.6698,Plg84.5437°,Azm322.3771° $M_0$2.38177×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.63 $M_{\theta\theta}$1.19 $M_{\phi\phi}$1.45 $M_{r\theta}$-0.24 $M_{\theta\phi}$-0.62 $M_{\phi r}$-0.25 NP1: ϕ_S135.12540°,δ44.77291°,λ-98.30058°. NP2:ϕ_S326.73875°,δ45.81954°,λ-81.84917°. Principal axes: T 1.9487,Plg0.5260°,Azm50.9847°; N 0.7214,Plg5.8357°,Azm141.0385° ; P -2.6701,Plg84.1404°,Azm315.8523° $M_0$2.39240×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.61 $M_{\theta\theta}$1.18 $M_{\phi\phi}$1.43 $M_{r\theta}$-0.36 $M_{\theta\phi}$-0.60 $M_{\phi r}$-0.07 NP1: ϕ_S134.91103°,δ47.53273°,λ-97.44328°. NP2:ϕ_S325.86245°,δ42.99214°,λ-81.94413°. Principal axes: T 1.9270,Plg2.2807°,Azm230.1710°; N 0.7237,Plg5.4836°,Azm139.9519° ; P -2.6507,Plg84.0584°,Azm342.6703° $M_0$2.37310×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 10 10 49 36.2–2.0 11.61N–.08 87.07W–.05 4–12 42 1-2
CATAC VIII 10 10 49 37.0–.80 12N–5.0 87W–4.0 35–14 3.0,3.0 **¶625368119**
SNET VIII 10 10 49 41.6–1.7 12N–14 87W–7.0 24–8 3.4,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 10 06 10 22.6–2.3 11.25N–.07 87.36W–.06 17–13 61 1-3
CATAC VIII 10 06 10 22.8–.80 11N–3.0 87W–2.0 15–8 3.5,3.5 **¶625368149**
UCR VIII 10 06 10 25.2–.64 11.39N 87.34W 20–538 3.5W,3.5
SNET VIII 10 06 10 28.4 12N–4.0 87W–4.0 114–7 3.4,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 13 00 05 05.0–1.5 12.42N–.06 87.99W–.04 54–19 92 1-2
SNET VIII 13 00 05 03.1 13N–9.0 88W–9.0 113–5 3.1,2.7 **¶625368422**
CATAC VIII 13 00 05 04.9–.32 12N–2.0 88W–2.0 29 3.0,3.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 11 17 41 43.4–2.7 11.5N–.10 86.82W–.10 58–17 63 0-1
CATAC VIII 11 17 41 45.0–.52 12N–3.0 87W–3.0 35–5 3.5,3.5 **¶625368195**
SNET VIII 11 17 41 44.5 12N–2.0 87W–2.0 68–4 3.5,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 13 03 20 46.2–1.9 11.07N–.07 87.32W–.05 19–3 78 1-4
CATAC VIII 13 03 20 45.6–.50 11N–3.0 87W–2.0 9–4 3.4,3.4 **¶625368390**
SNET VIII 13 03 20 46.3–2.5 11N–23 87W–5.0 10 3.9,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 13 08 54 26.0–5.7 12.12N–.06 87.78W–.04 39–18 122 1-3
CATAC VIII 13 08 54 25.0–.41 12N–2.0 88W–1.0 28–3 3.8,3.8 **¶625368312**
SNET VIII 13 08 54 28.8 12N–3.0 88W–3.0 35 3.9,3.9L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 13 07 09 59.0–1.6 12.09N–.06 87.81W–.04 17–9 99 1-3
SNET VIII 13 07 09 55.9 12N–3.0 88W–3.0 25–4 3.5,3.3 **¶625368357**
CATAC VIII 13 07 10 00.6–.47 12N–2.0 88W–1.0 22–4 3.4,3.4
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 13 22 28 14.0–1.5 12.12N–.05 87.76W–.04 19–3 94 1-2
CATAC VIII 13 22 28 11.5–.47 12N–2.0 88W–2.0 11–2 3.4,3.4 **¶625368432**
SNET VIII 13 22 28 13.6 12N–2.0 88W–2.0 28–2 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 13 13 58 16.3–1.6 11.02N–.05 86.89W–.04 17–9 106 1-3
CATAC VIII 13 13 58 16.7–.46 11N–2.0 87W–2.0 29–5 3.4,3.4 **¶625368449**
SNET VIII 13 13 58 20.0 11N–10 87W–10 101–33 3.4L,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 13 09 04 04.2–.76 12.13N–.03 87.75W–.03 48–7 4.7b,4.2s 533 1-149
UCR VIII 13 09 04 01.7–.56 12.03N 87.80W 22–12 5.0W,4.2s **¶625368495**
CATAC VIII 13 09 04 02.1–.29 12N–1.0 87.8W–.90 19–2 5.0,5.0
SNET VIII 13 09 04 03.5 12N–1.0 88W–1.0 3–3 5.0L,4.8
NEIC VIII 13 09 04 05.1–.86 12.17N–.06 87.64W–.06 50–3 4.7b,4.8
IDC VIII 13 09 04 06.6–1.5 12.40N 87.38W 62–14 4.5,4.1b
GFZ VIII 13 09 04 08.0–.52 12N–5.0 87W–6.0 52–5 4.8b,4.6
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.85 $M_{\theta\theta}$1.33 $M_{\phi\phi}$2.52 $M_{r\theta}$-6.21 $M_{\theta\phi}$-2.81 $M_{\phi r}$6.10 NP1:ϕ_S134.85982° ,δ76.89691°,λ-93.55903°. NP2:ϕ_S330.20157°,δ13.56968°,λ-75.06713°. Principal axes: T 10.1735,Plg31.8073°,Azm227.8206°; N -0.8902,Plg3.4662°,Azm135.6677° ; P -9.2833,Plg57.9594°,Azm40.1138° $M_9$9.75887×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$0.19 $M_{r\theta}$-0.73 $M_{\theta\phi}$-0.53 $M_{\phi r}$0.53 NP1: ϕ_S117.43775°,δ81.88320°,λ-111.71376°. NP2:ϕ_S7.91576°,δ23.11236°,λ-21.08122°. Principal axes: T 1.1930,Plg33.4023°,Azm225.7001°; N -0.3703,Plg21.4854°,Azm120.6559° ; P -0.8227,Plg48.6068°,Azm4.1317° $M_0$1.05766×10^{16}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 14 00 57 59.0–2.0 12.09N–.07 87.81W–.05 15–10 62 1-3
CATAC VIII 14 00 58 00.4–.64 12N–3.0 88W–2.0 22–5 3.3,3.3 **¶625368633**
SNET VIII 14 00 58 00.5 12N–2.0 88W–2.0 10–3 3.5L,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 15 23 02 45.6–1.9 11.72N–.07 87.57W–.04 12–10 69 1-3
CATAC VIII 15 23 02 45.2–.49 12N–3.0 88W–2.0 14–3 3.2,3.2 **¶625368636**
SNET VIII 15 23 02 49.0–2.0 12N–18 87W–5.0 10 3.7,3.4

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 14 02 16 49.6–1.6 12.08N–.05 87.81W–.04 15–9 105 1-3
CATAC VIII 14 02 16 50.2–.50 12N–2.0 88W–2.0 16–4 3.5,3.5 ¶625368620
SNET VIII 14 02 16 50.9 12N–1.0 88W–1.0 24–1 3.8,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 15 04 23 17.8–1.7 11.39N–.05 86.99W–.05 10–10 116 1-2
CATAC VIII 15 04 23 16.0–.44 11N–2.0 87W–2.0 8–4 3.6,3.6 ¶625300511
UCR VIII 15 04 23 17.9–.91 11.39N 87.04W 24–8 3.7W,3.6
SNET VIII 15 04 23 18.7–.87 11N–6.0 87W–6.0 10 4.1,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 15 11 48 19.5–1.5 11.93N–.04 86.33W–.05 158–8 144 0-3
UCR VIII 15 11 48 20.6–1.9 12.00N 86.31W 143–19 3.6W ¶625300512
CATAC VIII 15 11 48 20.1–.27 12N–2.0 86W–2.0 146–2 2.5,2.5
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 19 19 40 37.9–1.5 11.41N–.04 87.45W–.03 9–9 4.4b 132 1-150
CATAC VIII 19 19 40 39.3–.67 11N–2.0 87W–3.0 28–8 3.9,3.9 ¶625369048
IDC VIII 19 19 40 39.0–1.2 11.79N 87.10W 0 3.8b,3.8
NEIC VIII 19 19 40 42.9–1.3 11.61N–.07 87.27W–.06 34–9 4.3b,3.8
SNET VIII 19 19 40 45.1 12N–2.0 87W–2.0 21–3 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 17 22 57 42.7–.85 12.35N–.04 87.75W–.03 64–7 4.1b 231 1-66
CATAC VIII 17 22 57 43.7–.25 12N–2.0 88W–1.0 35–3 4.2,4.2 ¶625368738
NEIC VIII 17 22 57 43.9–1.8 12.37N–.07 87.74W–.05 67–9 4.2b,4.2
SNET VIII 17 22 57 46.6 13N–2.0 88W–2.0 37–14 4.1,4.0
IDC VIII 17 22 57 47.7–1.1 12.57N 87.29W 110–15 3.8,3.5b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.0km s-min=1.7km az=34.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.7km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
IDC Error ellipse: s-maj=46.7km s-min=8.9km az=43.0.
CATAC VIII 16 10 06 26.1–.15 12.8N–.90 87.0W–.80 4–0 2.6,2.6
SNET VIII 16 10 06 25.7–.33 13N–5.0 87W–3.0 17–5 3.4,3.1 ¶625368686
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 21 12 08 13.7–1.6 12.19N–.06 87.16W–.06 77–9 71 0-2
CATAC VIII 21 12 08 14.2–.31 12N–3.0 87W–3.0 54–3 2.9,2.9 ¶625369233
SNET VIII 21 12 08 15.5 12N–9.0 87W–9.0 83–9 2.7,2.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 20 04 52 58.2–1.9 11.03N–.07 86.49W–.06 18–6 41 1-3
CATAC VIII 20 04 52 57.7–.84 11N–3.0 86W–4.0 20–8 3.3,3.3 ¶625369179
SNET VIII 20 04 53 02.4–.97 11N–8.0 87W–10 71–16 3.5,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 20 00 03 03.4–1.9 11.43N–.05 87.28W–.05 18–7 98 1-3
CATAC VIII 20 00 03 01.9–.53 11N–2.0 87W–2.0 27–6 3.4,3.4 ¶625369225
SNET VIII 20 00 03 08.3–.60 12N–5.0 87W–4.0 10 3.5,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 22 08 44 17.8–1.3 11.92N–.04 86.36W–.04 143–5 241 0-4
SNET VIII 22 08 44 17.4 12N–1.0 86W–1.0 138–2 4.9b,4.3 ¶625369330
UCR VIII 22 08 44 18.2–1.0 11.93N 86.32W 137–5 3.8W,4.3
CATAC VIII 22 08 44 18.0–.20 12N–2.0 86W–2.0 134–1 3.3,3.3
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 27 03 47 47.0–1.9 11.42N–.06 86.95W–.06 28–13 90 1-3
SNET VIII 27 03 47 42.1–3.2 11N–17 87W–22 10 4.1,3.8 ¶625369696
CATAC VIII 27 03 47 45.6–.43 11N–2.0 87W–2.0 21–3 3.3,3.3
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 23 18 45 59.7–2.0 12.00N–.09 87.88W–.07 15–12 51 1-2
CATAC VIII 23 18 46 02.3–.59 12N–3.0 88W–2.0 18–5 3.3,3.3 ¶625369395
SNET VIII 23 18 46 07.4 12N–2.0 88W–2.0 32–1 3.2,2.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 28 06 22 03.7–1.2 11.58N–.03 86.53W–.03 65–6 221 0-4
CATAC VIII 28 06 22 03.9–.23 12N–2.0 87W–2.0 42–2 4.1,4.1 ¶625369728
UCR VIII 28 06 22 03.6–.99 11.59N 86.52W 62–9 4.1W,4.1
SNET VIII 28 06 22 04.5 12N–2.0 86W–2.0 65–2 4.2,4.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 31 09 04 29.2–1.3 11.72N–.04 86.60W–.04 74–7 139 0-3
CATAC VIII 31 09 04 29.8–.25 12N–2.0 87W–2.0 49–3 3.5,3.5 ¶625369846
SNET VIII 31 09 04 31.5 12N–3.0 87W–3.0 56–30 4.3,4.0
UCR VIII 31 09 04 33.6–.75 11.52N 86.39W 32–115 3.7W,4.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.3km s-min=2.6km az=42.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
UCR Event type se. Error ellipse: s-maj=127.2km s-min=133.6km az=-1.0. Presumed earthquake.
ISC VIII 29 03 12 24.0–1.6 12.45N–.07 87.67W–.05 61–10 67 0-2
CATAC VIII 29 03 12 24.3–.37 12N–3.0 88W–2.0 37–2 3.0,3.0 ¶625369778
SNET VIII 29 03 12 24.7 13N–5.0 88W–5.0 55–8 3.2,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC IX 03 09 05 51.9 12N–1.0 88W–1.0 16–1 3.0,3.0
SNET IX 03 09 06 04.1–.69 12N–7.0 87W–3.0 10 2.9,2.6 ¶625370023
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 31 07 53 53.1–.91 12.48N–.04 87.83W–.03 57–9 3.9b 162 1-53
CATAC VIII 31 07 53 52.8–.28 12N–2.0 88W–1.0 38–4 4.0,4.0 ¶625369857
NEIC VIII 31 07 53 53.0–.92 12.46N–.06 87.85W–.05 43–15 4.0b,4.0
SNET VIII 31 07 53 56.1 13N–2.0 88W–2.0 58–4 4.2,4.1
IDC VIII 31 07 53 58.1–1.7 12.71N 87.90W 96–43 3.7,3.4b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.4km s-min=2.1km az=29.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
IDC Error ellipse: s-maj=79.8km s-min=13.6km az=32.0.
ISC IX 08 21 05 03.8–1.5 11.67N–.05 86.87W–.05 56–10 125 0-3
CATAC IX 08 21 05 04.8–.28 12N–2.0 87W–2.0 37–2 3.2,3.2 ¶625370285
SNET IX 08 21 05 07.0 12N–1.0 87W–1.0 40–2 3.5,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 05 11 07 00.9–1.6 11.61N–.05 86.33W–.06 107–8 109 0-2
CATAC IX 05 11 07 00.7–.46 12N–5.0 86W–4.0 96–4 3.0,3.0 ¶625370164
SNET IX 05 11 07 00.5 12N–3.0 86W–3.0 108–2 3.0,3.0
UCR IX 05 11 07 01.0–.50 11.65N 86.25W 96–10 3.6W,3.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=12.8km s-min=6.3km az=40.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
UCR Event type se. Error ellipse: s-maj=6.0km s-min=8.1km az=-1.0. Presumed earthquake.
ISC IX 05 22 22 24.2–.93 11.49N–.04 86.79W–.03 48–8 4.2b,3.4s 303 0-150
IDC IX 05 22 22 19.6–.98 12.03N 86.39W 0 3.8b,3.8 ¶625370126
CATAC IX 05 22 22 23.4–.28 11N–1.0 87W–1.0 26–2 4.3,4.3
UCR IX 05 22 22 24.6–.47 11.57N 86.72W 61–13 4.4W,4.3
SNET IX 05 22 22 24.6 12N–2.0 87W–2.0 32–4 4.3,4.3
NEIC IX 05 22 22 25.2–1.8 11.54N–.05 86.76W–.05 50–9 4.2b,4.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 14 12 36 06.0–1.5 11.36N–.05 86.05W–.05 72–8 74 0-2
CATAC IX 14 12 36 05.8–.46 11N–3.0 86W–2.0 53–3 3.1,3.1 ¶625706675
UCR IX 14 12 36 05.6–.85 11.37N 86.06W 64–7 3.5W,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.3km s-min=3.1km az=34.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=5.9km s-min=6.8km az=-1.0. Presumed earthquake.
ISC IX 09 07 27 24.2–1.6 12.11N–.05 87.89W–.04 16–9 90 1-3
SNET IX 09 07 27 23.4 12N–3.0 88W–3.0 12–5 3.7,3.4 ¶625370353
CATAC IX 09 07 27 24.2–.41 12N–2.0 88W–2.0 14–2 3.1,3.1
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 10 17 04 27.5–1.8 11.88N–.09 87.78W–.06 74–22 60 1-3
SNET IX 10 17 04 31.1–.89 12N–9.0 88W–4.0 5 3.9,3.7 ¶625371412
CATAC IX 10 17 04 36.7–.49 12N–4.0 87W–4.0 69–4 3.1,3.1
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 11 04 06 38.8–1.2 12.25N–.03 87.83W–.02 26–13 272 1-3
CATAC IX 11 04 06 38.7–.17 12N–1.0 87.8W–1.0 26 3.7,3.7 ¶625371546
SNET IX 11 04 06 40.2 12N–2.0 88W–2.0 49–12 4.0,3.7L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 12 02 13 43.8–1.5 12.38N–.07 87.70W–.04 30–12 71 1-2
CATAC IX 12 02 13 43.2–.48 12N–3.0 88W–2.0 31–3 3.1,3.1 ¶625371671
SNET IX 12 02 13 43.7 12N–4.0 88W–4.0 40–42 3.2,3.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 13 00 48 17.9–1.9 11.53N–.07 87.01W–.05 28–12 71 1-3
CATAC IX 13 00 48 17.5–.47 12N–3.0 87W–2.0 28–3 2.9,2.9 ¶625371784
SNET IX 13 00 48 26.1–.46 13N–7.0 87W–4.0 20–7 3.6,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 15 00 47 08.0–1.2 11.10N–.03 86.17W–.03 34–2 200 0-3
UCR IX 15 00 47 06.8–.86 11.08N 86.20W 31–3 4.5W ¶621309613
CATAC IX 15 00 47 07.9–.23 11N–2.0 86W–2.0 37–2 4.1,4.1
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 16 04 06 53.5–1.3 12.25N–.05 87.72W–.03 31–12 122 1-3
CATAC IX 16 04 06 53.5–.27 12N–2.0 88W–1.0 29 3.0,3.0 ¶625371891
SNET IX 16 04 06 55.5–1.6 13N–12 88W–7.0 94–18 3.0,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 16 08 27 42.7–1.7 11.32N–.05 86.75W–.05 23–14 118 1-4
SNET IX 16 08 27 41.2–1.7 11N–11 87W–11 10 2.9,2.9 ¶625371861
CATAC IX 16 08 27 43.2–.35 11N–2.0 87W–2.0 29–2 2.8,2.8
ISC Event type se.

SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**21 08 56 47.3–1.4**	**11.30N–.04**	**86.04W–.04**	**104–7**		**162**	**0-2**
UCR	IX	21 08 56 47.6–.85	11.31N	86.03W	92–4	3.7W	**¶625706684**	
CATAC	IX	21 08 56 48.2–.27	11N–2.0	86W–2.0	85–2	3.2,3.2		

ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**20 00 38 41.1–1.3**	**12.12N–.04**	**87.09W–.04**	**61–7**		**127**	**0-2**
CATAC	IX	20 00 38 41.0–.25	12N–2.0	87W–2.0	39–2	3.0,3.0	**¶625372205**	
SNET	IX	20 00 38 41.4	12N–3.0	87W–3.0	57–3	2.9,2.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**17 21 34 57.5–1.5**	**11.55N–.06**	**86.97W–.03**	**5–10**		**73**	**1-3**
SNET	IX	17 21 35 01.4	12N–12	87W–12	80–38	3.9L,3.9	**¶625371908**	
CATAC	IX	17 21 35 01.4–.45	12N–2.0	87W–2.0	27–2	3.3,3.3		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**22 10 26 10.9–1.7**	**12.04N–.09**	**87.72W–.07**	**10**		**45**	**1-2**
CATAC	IX	22 10 26 09.1–1.2	12N–8.0	88W–6.0	12–5	3.5,3.5	**¶625372733**	
SNET	IX	22 10 26 13.0	12N–2.0	88W–2.0	17–1	4.4,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**21 07 14 27.9–1.3**	**12.45N–.05**	**87.93W–.03**	**50–15**		**171**	**1-2**
CATAC	IX	21 07 14 27.8–.32	12N–2.0	88W–1.0	36–3	3.1,3.1	**¶625372263**	
SNET	IX	21 07 14 28.0	12N–3.0	88W–3.0	47–8	3.5,3.3		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 10 42 32.2–1.1**	**12.03N–.03**	**87.87W–.02**	**14–7**	**4.2b**	**309**	**1-66**
IDC	IX	22 10 42 31.7–1.3	12.43N	87.49W	0	3.9b,3.8	**¶625372712**	
SNET	IX	22 10 42 33.5–.78	12N–7.0	88W–3.0	10	3.9b,3.8		
NEIC	IX	22 10 42 33.3–1.2	12.04N–.07	87.84W–.05	13–8	4.3b,3.8		
CATAC	IX	22 10 42 33.1–.36	12N–2.0	88W–1.0	14–2	4.1,4.1		
UCR	IX	22 10 42 34.5–1.1	12.03N	87.85W	27–36	4.2W,4.1		
GCG	IX	22 10 42 37.3–.45	12.09N	87.99W	50–179	4.4,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=12.4km az=44.0.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.1km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=4.0km s-min=2.1km az=28.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=5.4km s-min=22.5km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=16.6km s-min=19.1km az=-1.0. Presumed earthquake.

ISC	**IX**	**22 11 04 15.6–1.0**	**12.04N–.03**	**87.87W–.02**	**20–3**	**3.5b**	**173**	**1-149**
IDC	IX	22 11 04 12.6–1.2	12.20N	87.61W	0	3.6b,3.6	**¶625372707**	
CATAC	IX	22 11 04 16.6–.24	12N–2.0	88W–1.0	24	4.1,4.1		
UCR	IX	22 11 04 18.0–.90	12.11N	87.80W	20–11	4.1W,4.1		
SNET	IX	22 11 04 18.0	12N–3.0	88W–3.0	13–4	4.1,4.1		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

SNET	**IX**	**22 11 03 46.4–1.7**	**12N–14**	**88W–8.0**	**10**			**¶626766132**

SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**IX**	**22 12 37 17.8–1.7**	**11.94N–.07**	**87.79W–.04**	**33–4**		**76**	**1-3**
CATAC	IX	22 12 37 17.8–.61	12N–4.0	88W–3.0	24	4.0,4.0	**¶626766114**	
SNET	IX	22 12 37 18.1–3.3	12N–21	88W–12	24–19	4.3,4.3		

ISC Event type ke.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**IX**	**22 11 57 16.1–1.3**	**12.06N–.05**	**87.77W–.03**	**14–9**		**133**	**1-8**
CATAC	IX	22 11 57 14.8–.41	12N–2.0	88W–2.0	15–2	5.5b,5.0	**¶625372636**	
SNET	IX	22 11 57 14.8	12N–2.0	88W–2.0	5–2	4.0,3.9L		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 12 18 52.4–1.1**	**12.01N–.04**	**87.84W–.03**	**22–6**		**155**	**1-5**
CATAC	IX	22 12 18 51.0–.40	12N–2.0	88W–2.0	24	4.0,4.0	**¶625372626**	
UCR	IX	22 12 18 52.9–.78	12.04N	87.78W	20–11	4.0W,4.0		
SNET	IX	22 12 18 54.1	12N–3.0	88W–3.0	21–2	4.0,3.9L		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 12 27 08.6–.43**	**12.03N–.03**	**87.73W–.02**	**27–2**	**5.1b,4.5s**	**791**	**1-151**
IDC	IX	22 12 27 04.0–.39	12.21N	87.59W	0	4.7b,4.7	**¶625372592**	
CATAC	IX	22 12 27 08.1–.44	12N–2.0	88W–2.0	16–3	5.3,5.3		
SNET	IX	22 12 27 09.6–.45	12N–2.0	88W–2.0	16–3	6.1b,6.1b		
NEIC	IX	22 12 27 11.5–1.9	12.10N–.05	87.65W–.05	39–7	5.2,5.1b		
NEIC	IX	22 12 27 11.4	12.11N	87.67W	35	5.2,5.1b		
GFZ	IX	22 12 27 13.8–.48	12N–3.0	88W–4.0	56–4	5.5b,5.3L		
UCR	IX	22 12 27 13.8–1.1	12.12N	87.42W	32–999	5.2W,5.3L		
BJI	IX	22 12 27 13.0	12.20N	87.60W	54	5.6s,5.4		
GCG	IX	22 12 27 14.3–.40	12.62N	87.48W	26–999	5.1,5.4		
GCMT	IX	22 12 27 15.6–.40	12.14N–.03	88.01W–.04	29–0	5.4W,5.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.04 $M_{\theta\theta}$-2.77 $M_{\phi\phi}$-0.27 $M_{r\theta}$2.31 $M_{\theta\phi}$1.73 $M_{\phi r}$0.22 NP1:ϕ_s98.24787° ,δ63.04543°,λ69.84624°. NP2:ϕ_s317.24407°,δ33.19740°,λ124.11869°. Principal axes: T 4.0021,Plg65.8139°,Azm331.7606°; N 0.2041,Plg17.8853°,Azm107.6931° ; P -4.2063,Plg15.7344°,Azm202.9096° $M_0$4.10800×10^{16}
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.33 $M_{\theta\theta}$0.55 $M_{\phi\phi}$-2.88 $M_{r\theta}$3.83 $M_{\theta\phi}$-2.58 $M_{\phi r}$-5.10 NP1:ϕ_s53.92000°,δ29.25000°,λ161.42000°. NP2:ϕ_s160.27000°,δ81.04000° ,λ62.04000°. Principal axes: T 8.2266,Plg47.0000°,Azm41.0000°; N -2.2167,Plg28.0000° ,Azm165.0000°; P -6.0099,Plg30.0000°,Azm273.0000° $M_0$7.37000×10^{16}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
UCR Event type se. Presumed earthquake.
GCG Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221227A. Moment Tensor Solution. s38,c46; s61,c73; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35±.09 $M_{\theta\theta}$-1.40±.07; $M_{\phi\phi}$0.04±.07; $M_{r\theta}$0.01±.10; $M_{\theta\phi}$0.34±.06; $M_{\phi r}$-0.63±.11; Best double couple: NP1:ϕ_s262.00000°,δ46.00000° ,λ58.00000°. NP2:ϕ_s124.00000°,δ52.00000°,λ119.00000°. Principal axes: T 1.6090,Plg68.0000°,Azm96.0000°; N -0.1310,Plg22.0000°,Azm285.0000° ; P -1.4830,Plg3.0000°,Azm194.0000° $M_0$1.54600×10^{17}

ISC	**IX**	**22 11 15 52.5–1.1**	**11.90N–.04**	**87.86W–.02**	**19–3**	**4.0b**	**219**	**1-38**
NEIC	IX	22 11 15 51.9–1.1	11.74N–.09	87.82W–.04	29–14	4.1b	**¶625372667**	
IDC	IX	22 11 15 51.4–14	11.91N	87.97W	0	3.3b,3.3		
CATAC	IX	22 11 15 53.3–.49	12N–2.0	88W–1.0	19–4	3.8,3.8		
GCG	IX	22 11 15 58.8–.66	12.34N	88.06W	0–999	4.3,3.8		
SNET	IX	22 11 16 00.7	12N–5.0	88W–5.0	44–23	4.0,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 11 35 15.8–1.9**	**12.02N–.07**	**87.88W–.04**	**18–8**		**58**	**1-3**
CATAC	IX	22 11 35 15.0–.80	12N–3.0	88W–4.0	14–5	3.3,3.3	**¶625372660**	
SNET	IX	22 11 35 17.1	12N–2.0	88W–2.0	23–2	3.8,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 11 46 27.0–2.1**	**11.97N–.07**	**87.84W–.06**	**7–11**		**50**	**1-3**
CATAC	IX	22 11 46 27.8–1.1	12N–4.0	88W–4.0	21–14	3.5,3.5	**¶625372653**	
SNET	IX	22 11 46 29.7	12N–3.0	88W–3.0	9–5	4.1,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 12 37 42.0–.72**	**12.11N–.06**	**87.77W–.04**	**35**	**4.3b**	**91**	**1-149**
IDC	IX	22 12 37 36.2–1.2	12.30N	87.67W	0	3.9b,3.9	**¶625372585**	
SNET	IX	22 12 37 43.5	12N–4.0	88W–4.0	14–4	4.6,4.3		
NEIC	IX	22 12 37 44.7–1.4	12.27N–.05	87.81W–.04	35–2	4.3b,4.3		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**22 12 39 54.0–1.4**	**12.00N–.05**	**87.88W–.04**	**32–10**	**4.2b**	**150**	**1-149**
IDC	IX	22 12 39 49.7–1.5	12.02N	87.99W	0	3.8b,3.8	**¶625372566**	
CATAC	IX	22 12 39 53.5–.80	12N–3.0	88W–4.0	23–9	4.1,4.1		
NEIC	IX	22 12 39 55.0–1.9	11.99N–.07	87.85W–.05	35–2	4.2b,4.1		
SNET	IX	22 12 39 55.0	12N–1.0	88W–1.0	27–1	4.3,4.1		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 12 43 33.0–1.3**	**12.09N–.08**	**87.83W–.08**	**35**		**20**	**1-38**
IDC	IX	22 12 43 28.8–2.6	12.34N	87.72W	0	3.3L,3.3	**¶621118145**	
CATAC	IX	22 12 43 30.3–.83	12N–4.0	88W–4.0	1	3.5,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**22 09 57 09.0–.33**	**12.13N–.02**	**87.78W–.02**	**47–2**	**6.4s,5.8b**	**2263**	**1-166**
SNET	IX	22 09 57 04.7–.58	12N–3.0	88W–3.0	6–4	6.5,6.5	**¶621094948**	
CATAC	IX	22 09 57 05.3–.23	12N–1.0	87.9W–.70	6–1	6.6b,6.3b		
GFZ	IX	22 09 57 07.1	12.22N	87.69W	26	6.5W,6.3b		
UCR	IX	22 09 57 07.4–1.2	12.09N	87.78W	23–14	6.1W,6.3b		
NEIC	IX	22 09 57 07.5	12.16N	87.86W	24	6.1W,6.3b		
PTWC	IX	22 09 57 07	12.10N	87.80W	10	6.5,6.3b		
NEIC	IX	22 09 57 07.0–2.2	12.14N–.05	87.87W–.05	21–1	6.4,6.4		
GFZ	IX	22 09 57 07.1–.28	12N–1.0	88W–2.0	22–1	6.6b,6.4		
IPGP	IX	22 09 57 08.0	12.16N	87.85W	27	6.5W,6.4		
MOS	IX	22 09 57 09.1–1.3	12.28N	87.62W	55	6.3s,6.0b		
NEIC	IX	22 09 57 09.2	12.13N	87.85W	33	6.3s,6.0b		
IDC	IX	22 09 57 09.0–1.0	12.37N	87.51W	46–8	6.2s,5.2		
BGR	IX	22 09 57 10.5	12.20N	86.31W	33	6.5s,6.4		
BJI	IX	22 09 57 10.0	12.10N	87.65W	50	6.6s,6.5		
GCG	IX	22 09 57 11.1–1.9	12.21N	88.13W	8–130	5.9L,5.1		
OSUNB	IX	22 09 57 11.0–.46	12.55N	87.24W	65–4	5.7b,5.1		
GCMT	IX	22 09 57 13.4–.00	11.92N	87.99W	28–0	6.5W,5.1		
NEIC	IX	22 09 57 20.1	11.83N	87.95W	30	6.5,5.1		

ISC Event type ke.
SNET Error ellipse: s-maj=8.0km s-min=4.3km az=51.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC Event type se. Error ellipse: s-maj=2.5km s-min=1.1km az=31.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}3.95 $M_{\theta\theta}$-3.56 $M_{\phi\phi}$-0.39 $M_{r\theta}$-0.12 $M_{\theta\phi}$2.48 $M_{\phi r}$0.01 NP1:ϕ_s119.61629° ,δ44.32224°,λ91.34757°. NP2:ϕ_s297.73302°,δ45.69324°,λ88.68429°. Principal axes: T 3.9561,Plg88.8353°,Azm154.7204°; N 0.9627,Plg0.9415°,Azm298.6521° ; P -4.9187,Plg0.6856°,Azm28.6634° $M_0$4.51503×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}5.15 $M_{\theta\theta}$-3.54 $M_{\phi\phi}$-1.60 $M_{r\theta}$-1.06 $M_{\theta\phi}$2.67 $M_{\phi r}$0.98 NP1: ϕ_s122.81295°,δ37.45694°,λ86.52687°. NP2:ϕ_s307.18508°,δ52.62364°,λ92.65735°. Principal axes: T 5.3428,Plg82.1197°,Azm231.0193°; N 0.2603,Plg2.1114°,Azm125.5712° ; P -5.6031,Plg7.5887°,Azm35.2898° $M_0$5.47758×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}4.63 $M_{\theta\theta}$-4.36 $M_{\phi\phi}$-0.27 $M_{r\theta}$-0.12 $M_{\theta\phi}$2.25 $M_{\phi r}$0.61 NP1: ϕ_s106.58471°,δ43.44176°,λ79.41431°. NP2:ϕ_s301.01893°,δ47.47480°,λ99.86929°. Principal axes: T 4.7024,Plg82.4608°,Azm278.4985°; N 0.6623,Plg7.2569°,Azm114.3122° ; P -5.3648,Plg2.0326°,Azm24.0532° $M_0$5.06617×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}4.27 $M_{\theta\theta}$-2.93 $M_{\phi\phi}$-1.34 $M_{r\theta}$1.34 $M_{\theta\phi}$2.17 $M_{\phi r}$-1.18 NP1: ϕ_s127.41608°,δ56.12448°,λ92.87772°. NP2:ϕ_s302.26283°,δ33.98299°,λ85.72331°. Principal axes: T 4.6227,Plg78.6578°,Azm47.8153°; N 0.1667,Plg2.3889°,Azm305.8111° ; P -4.7893,Plg11.0813°,Azm215.3430° $M_0$4.70820×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}5.49 $M_{\theta\theta}$-3.60 $M_{\phi\phi}$-1.89 $M_{r\theta}$0.68 $M_{\theta\phi}$2.81 $M_{\phi r}$-0.73 NP1: ϕ_s128.49908°,δ49.99289°,λ92.52671°. NP2:ϕ_s304.57241°,δ40.07343°,λ86.99329°. Principal axes: T 5.5806,Plg84.6717°,Azm58.1134°; N 0.1896,Plg1.9351°,Azm306.8741° ; P -5.7702,Plg4.9626°,Azm216.7060° $M_0$5.67778×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}3.00 $M_{\theta\theta}$-1.71 $M_{\phi\phi}$-1.29 $M_{r\theta}$1.06 $M_{\theta\phi}$1.22 $M_{\phi r}$-0.96 NP1: ϕ_s131.08696°,δ58.22244°,λ90.86973°. NP2:ϕ_s309.43577°,δ31.78821°,λ88.59638°. Principal axes: T 3.3368,Plg76.7602°,Azm43.7731°; N -0.2609,Plg0.7393°,Azm310.6289° ; P -3.0760,Plg13.2184°,Azm220.4552° $M_0$3.21434×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}5.07 $M_{\theta\theta}$-3.24 $M_{\phi\phi}$-1.83 $M_{r\theta}$2.29 $M_{\theta\phi}$2.94 $M_{\phi r}$-3.34 NP1: ϕ_s139.02241°,δ63.89485°,λ100.34305°. NP2:ϕ_s296.49520°,δ27.94522°,λ69.87685°. Principal axes: T 6.5493,Plg69.3572°,Azm70.1296°; N 0.2887,Plg9.2781°,Azm314.4310° ; P -6.8380,Plg18.2711°,Azm221.3392° $M_0$6.69832×10^{18}
UCR Event type se. Error ellipse: s-maj=7.8km s-min=14.5km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.5km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}3.62 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-2.27 $M_{r\theta}$0.87 $M_{\theta\phi}$2.71 $M_{\phi r}$-1.06 NP1:ϕ_s319.44000°,δ35.73000°,λ89.40000°. NP2:ϕ_s140.17000°,δ54.27000° ,λ90.43000°. Principal axes: T 3.8457,Plg81.0000°,Azm52.0000°; N 0.9352,Plg0.0000°

,Azm320.0000°; P -4.7809,Plg9.0000°,Azm230.0000° $M_0$4.39000×10^{18}
GFZ Error ellipse: s-maj=4.7km s-min=3.0km az=73.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s302.00000°,δ31.00000°,λ80.00000°. NP2:ϕ_s133.00000°,δ59.00000°,λ96.00000°.
MOS Error ellipse: s-maj=7.3km s-min=4.3km az=105.2.
NEIC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=7.4km az=51.0.
BGR Event type ke.
GCG Event type se. Error ellipse: s-maj=80.7km s-min=57.9km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=4.4km s-min=5.3km az=0.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109220957A. Moment Tensor Solution. s163,c432; s167,c730;Duration: 4s6 Moment tensor: Scale 10^{18}Nm; M_{rr}5.80±.03 $M_{\theta\theta}$-3.93±.02; $M_{\phi\phi}$-1.87±.02; $M_{r\theta}$3.22±.05; $M_{\theta\phi}$3.34±.02; $M_{\phi r}$-4.51±.06; Best double couple: NP1:ϕ_s293.00000°,δ26.00000°,λ67.00000°. NP2:ϕ_s139.00000°,δ66.00000°,λ101.00000°. Principal axes: T 8.1070,Plg67.0000°,Azm69.0000°; N 0.2900,Plg10.0000°,Azm314.0000° ; P -8.3970,Plg21.0000°,Azm221.0000° $M_0$8.25200×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 8s9 Moment tensor: Scale 10^{18}Nm; M_{rr}5.99 $M_{\theta\theta}$-3.75 $M_{\phi\phi}$-2.24 $M_{r\theta}$1.62 $M_{\theta\phi}$3.66 $M_{\phi r}$-1.96 NP1:ϕ_s303.99000°,δ34.52000°,λ81.86000°. NP2:ϕ_s133.83000°,δ55.88000°,λ95.56000°. Principal axes: T 6.5053,Plg78.0000°,Azm64.0000°; N 0.6985,Plg5.0000°,Azm311.0000° ; P -7.2039,Plg11.0000°,Azm220.0000° $M_0$6.88000×10^{18}

ISC	**IX**	**22 10 10 47.4–1.4**	**12.13N–.04**	**87.80W–.03**	**21–4**		**173**	**1-3**
CATAC	IX	22 10 10 45.7–.35	12N–2.0	88W–1.0	14–2	3.8,3.8		**¶625372776**
SNET	IX	22 10 10 48.4–1.8	12N–12	88W–6.0	99–23	3.9,3.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

SNET	**IX**	**22 10 19 40.6–1.8**	**12N–15**	**88W–9.0**	**10**	**4.8,4.8**		**¶635723039**
SNET		automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.						
ISC	**IX**	**22 10 20 08.7–1.2**	**12.04N–.03**	**87.83W–.02**	**16–7**	**4.4b**	**252**	**1-149**
IDC	IX	22 10 20 05.5–.86	12.06N	87.77W	0	4.1b,4.1		**¶625372744**
CATAC	IX	22 10 20 09.3–.52	12N–3.0	88W–2.0	12–3	4.2,4.2		
GCG	IX	22 10 20 11.6–.37	12.07N	88.15W	0–142	4.3,4.2		
NEIC	IX	22 10 20 12.8–.99	12.14N–.06	87.72W–.06	35–2	4.5b,4.2		
SNET	IX	22 10 20 13.5	12N–2.0	88W–2.0	14–2	4.5b,4.2		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 13 29 45.2–1.3**	**12.08N–.04**	**87.76W–.03**	**15–10**		**153**	**1-3**
CATAC	IX	22 13 29 45.6–.48	12N–2.0	88W–1.0	19–3	4.0,4.0		**¶625372472**
SNET	IX	22 13 29 48.5–1.7	12N–13	88W–9.0	25–9	4.0,4.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**IX**	**22 12 51 52.2–1.9**	**12.10N–.08**	**87.75W–.04**	**7–11**		**51**	**1-3**
CATAC	IX	22 12 51 51.3–.84	12N–4.0	88W–3.0	9–6	3.7,3.7		**¶625372550**
SNET	IX	22 12 51 58.8	13N–8.0	88W–8.0	24–4	4.0,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 13 40 54.5–1.4**	**12.11N–.04**	**87.76W–.03**	**21–4**		**120**	**1-3**
CATAC	IX	22 13 40 54.0–.42	12N–2.0	88W–1.0	25–3	3.6,3.6		**¶625372471**
SNET	IX	22 13 40 55.6	12N–4.0	88W–4.0	20–3	4.0,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 14 03 54.4–2.2**	**11.99N–.07**	**87.79W–.04**	**18–6**		**104**	**1-2**
SNET	IX	22 14 03 51.9	12N–3.0	88W–3.0	14–2			**¶625372461**
CATAC	IX	22 14 03 54.4–.50	12N–2.0	88W–2.0	16–4	3.5,3.5		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**22 12 56 59.4–.32**	**12.07N–.02**	**87.69W–.02**	**34–1**	**5.6b,5.3s**	**1491**	**1-158**
IDC	IX	22 12 56 57.1–1.3	12.36N	87.47W	16–7	5.2,5.1b		**¶625372529**
CATAC	IX	22 12 56 59.2–.27	12N–1.0	87.7W–.80	21–2	6.1b,6.0b		
NEIC	IX	22 12 57 00.6	12.08N	87.67W	33	6.1b,6.0b		
NEIC	IX	22 12 57 00.2–1.6	12.10N–.06	87.67W–.05	29–5	5.8b,5.3		
BJI	IX	22 12 57 00.0	12.10N	87.70W	30	5.7s,5.7b		
GFZ	IX	22 12 57 00.3	12.20N	87.57W	33	5.6W,5.7b		
SNET	IX	22 12 57 00.6	12N–2.0	88W–2.0	10–2	5.8,5.8		
UCR	IX	22 12 57 02.1–1.4	12.07N	87.52W	29–14	5.6W,5.8		
GFZ	IX	22 12 57 03.7–.34	12N–2.0	88W–3.0	56–3	6.0b,5.8L		
PTWC	IX	22 12 57 03	12.10N	87.60W	59	5.7,5.8L		
MOS	IX	22 12 57 03.1–1.3	12.37N	87.27W	31	5.8b,5.3s		
GCG	IX	22 12 57 04.0–.64	12.19N	88.01W	156–80	6.1,5.3s		
GCMT	IX	22 12 57 04.3–.20	11.90N–.01	87.86W–.01	34–0	5.7W,5.3s		
NEIC	IX	22 12 57 08	12.18N	87.87W	26	5.6,5.3s		
BGR	IX	22 12 57 11.6	14.36N	86.32W	47–0	5.4s,5.2b		

ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=6.3km az=48.0.
CATAC Event type se. Error ellipse: s-maj=2.7km s-min=1.1km az=29.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.86 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$-0.61 $M_{r\theta}$1.07 $M_{\theta\phi}$1.13 $M_{\phi r}$-0.72 NP1:ϕ_s125.14302°,δ61.53111°,λ87.84753°. NP2:ϕ_s309.65135°,δ28.54335°,λ93.96223°. Principal axes: T 2.2410,Plg73.3808°,Azm29.8150°; N 0.2394,Plg1.8921°,Azm126.1694° ; P -2.4804,Plg16.5049°,Azm216.7303° $M_0$2.36979×10^{17}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.4km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.69 $M_{\theta\theta}$-2.15 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.81 $M_{\theta\phi}$1.24 $M_{\phi r}$-1.16 NP1:ϕ_s130.38878°,δ58.49627°,λ102.88753°. NP2:ϕ_s286.74245°,δ33.78514°,λ70.00296°. Principal axes: T 3.1004,Plg73.1760°,Azm73.4066°; N 0.0037,Plg10.9623°,Azm303.5708° ; P -3.1041,Plg12.6031°,Azm211.0887° $M_0$3.10228×10^{17}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
UCR Event type se. Error ellipse: s-maj=10.3km s-min=26.1km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=11.1km s-min=5.5km az=108.2.
GCG Event type se. Error ellipse: s-maj=28.3km s-min=32.0km az=-1.0. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221257A. Moment Tensor Solution. s116,c206; s135,c230;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.12±.08 $M_{\theta\theta}$-2.65±.06; $M_{\phi\phi}$-0.47±.06; $M_{r\theta}$1.71±.08; $M_{\theta\phi}$2.22±.04; $M_{\phi r}$-1.69±.10; Best double couple: NP1:ϕ_s290.00000°,δ29.00000°,λ72.00000°. NP2:ϕ_s131.00000°,δ62.00000°,λ100.00000°. Principal axes: T 3.9070,Plg71.0000°,Azm63.0000°; N 0.8310,Plg9.0000°,Azm306.0000° ; P -4.7370,Plg17.0000°,Azm214.0000° $M_0$4.32200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.83 $M_{\theta\theta}$-1.09 $M_{\phi\phi}$-0.75 $M_{r\theta}$0.89 $M_{\theta\phi}$1.47 $M_{\phi r}$-1.61 NP1:ϕ_s292.81000°,δ27.76000°,λ59.49000°. NP2:ϕ_s146.47000°,δ66.34000°,λ104.96000°. Principal axes: T 2.6154,Plg65.0000°,Azm83.0000°; N 0.4170,Plg14.0000°,Azm320.0000° ; P -3.0325,Plg20.0000°,Azm225.0000° $M_0$2.85000×10^{17}
BGR Event type ke.

ISC	**IX**	**22 13 01 47.8–1.0**	**12.03N–.04**	**87.67W–.03**	**34–3**	**4.6b**	**253**	**1-149**
IDC	IX	22 13 01 41.4–1.7	12.06N	87.10W	0	4.4,4.3b		**¶625372527**
CATAC	IX	22 13 01 48.0–.44	12N–2.0	88W–2.0	26–3	4.3,4.3		
NEIC	IX	22 13 01 49.9–1.2	12.15N–.05	87.59W–.05	44–9	4.6b,4.3		
SNET	IX	22 13 01 49.6	12N–2.0	88W–2.0	34–2	4.8,4.7		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 16 57 23.0–1.2**	**12.03N–.03**	**87.79W–.03**	**18–3**	**3.5b**	**151**	**1-38**
SNET	IX	22 16 56 21.8–2.2	13N–31	83W–19	551–20	5.3,5.3		**¶625372342**
IDC	IX	22 16 57 20.7–1.5	12.64N	87.29W	0	3.6L,3.5b		
CATAC	IX	22 16 57 23.1–.42	12N–2.0	88W–1.0	18–3	3.9,3.9		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**22 13 26 40.5–1.5**	**12.05N–.04**	**87.78W–.03**	**14–10**		**111**	**1-3**
CATAC	IX	22 13 26 41.2–.46	12N–2.0	88W–2.0	12–2	3.6,3.6		**¶625372516**
SNET	IX	22 13 26 41.0	12N–1.0	88W–1.0	12–2	3.6,3.6		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 18 09 13.0–3.0**	**12.11N–.04**	**87.79W–.03**	**16–22**		**127**	**1-3**
CATAC	IX	22 18 09 13.1–.38	12N–2.0	88W–1.0	19–2	3.4,3.4		**¶625372341**
SNET	IX	22 18 09 14.2	12N–5.0	88W–5.0	32–4	3.8,3.6		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 18 21 05.1–1.6**	**11.74N–.05**	**87.87W–.04**	**26–14**		**106**	**1-3**
CATAC	IX	22 18 21 03.9–.46	12N–2.0	88W–2.0	23–4	3.7,3.7		**¶625372322**
SNET	IX	22 18 21 15.1	12N–12	87W–12	30–8	2.5,2.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 14 14 58.8–2.1**	**11.99N–.07**	**87.77W–.05**	**9–10**		**62**	**1-3**
CATAC	IX	22 14 14 57.4–.52	12N–2.0	88W–2.0	9–4	3.6,3.6		**¶625372454**
SNET	IX	22 14 15 15.0–.44	12N–4.0	87W–3.0	5	3.3,3.3		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**IX**	**22 14 22 42.0–1.3**	**12.12N–.04**	**87.80W–.03**	**27–12**		**152**	**1-3**
CATAC	IX	22 14 22 41.4–.37	12N–2.0	88W–1.0	23–2	3.7,3.7		**¶625372450**
SNET	IX	22 14 22 43.4	12N–4.0	88W–4.0	35–329	3.8,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 14 29 34.1–1.4**	**11.91N–.04**	**87.91W–.03**	**9–11**		**118**	**1-4**
CATAC	IX	22 14 29 36.0–.45	12N–2.0	88W–2.0	12–2	3.9,3.9		**¶625372431**
SNET	IX	22 14 29 43.3–.48	13N–5.0	88W–3.0	36–7	3.9,3.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**IX**	**22 14 56 56.5–1.1**	**11.95N–.04**	**87.89W–.02**	**18–3**	**4.1b**	**196**	**1-39**
IDC	IX	22 14 56 56.9–1.3	12.68N	87.18W	0	3.9b,3.7		**¶621118154**
CATAC	IX	22 14 56 58.3–.41	12N–2.0	88W–1.0	19–3	4.0,4.0		
NEIC	IX	22 14 56 58.6–1.5	12.43N–.03	87.37W–.03	35–2	4.2b,4.0		
SNET	IX	22 14 56 59.5	12N–2.0	88W–2.0	15–1	4.2,4.1		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 15 50 56.8–1.5**	**12.16N–.05**	**87.75W–.03**	**19–3**		**82**	**1-3**
CATAC	IX	22 15 50 55.9–.50	12N–3.0	88W–2.0	12–2	3.5,3.5		**¶625372406**
SNET	IX	22 15 50 57.0	12N–2.0	88W–2.0	21–1	3.9,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 15 57 02.6–1.6**	**12.04N–.05**	**87.94W–.04**	**9–10**		**56**	**1-6**
SNET	IX	22 15 57 03.2	12N–4.0	88W–4.0	6–6	3.2,3.2		**¶625372396**
CATAC	IX	22 15 57 04.9–.73	12N–3.0	88W–2.0	21–7	3.4,3.4		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**23 01 39 37.2–1.9**	**12.10N–.08**	**87.83W–.05**	**25–14**		**67**	**1-3**
CATAC	IX	23 01 39 35.7–.72	12N–3.0	88W–3.0	25–6	3.2,3.2		**¶625373176**
SNET	IX	23 01 39 36.2	12N–3.0	88W–3.0	14–2	4.3,3.6		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**22 16 20 43.9–.98**	**11.93N–.03**	**87.91W–.02**	**19–3**	**4.4b,3.5s**	**365**	**1-153**
IDC	IX	22 16 20 42.0–.91	12.31N	87.56W	0	4.0b,4.0		**¶625372368**
CATAC	IX	22 16 20 45.9–.33	12N–1.0	88W–1.0	25–2	4.5,4.5		
NEIC	IX	22 16 20 46.5–2.5	12.01N–.04	87.80W–.04	24–5	4.5b,4.5		
SNET	IX	22 16 20 50.3–.21	12N–3.0	88W–2.0	50–9	4.5b,4.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**IX**	**22 18 42 14.5–1.6**	**12.09N–.06**	**87.78W–.04**	**28–13**		**82**	**1-3**
CATAC	IX	22 18 42 12.6–.47	12N–2.0	88W–2.0	20–3	3.3,3.3		**¶625372318**
SNET	IX	22 18 42 16.9	12N–4.0	88W–4.0	32–4	3.5,3.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**23 05 46 01.3–3.8**	**12.04N–.08**	**87.92W–.04**	**18–20**		**74**	**1-3**
SNET	IX	23 05 45 57.0	12N–8.0	88W–8.0	12–6	3.8,3.8		**¶625373112**

CATAC IX 23 05 46 02.4–.70 12N–3.0 88W–3.0 23–6 3.0,3.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 23 04 12 36.6–1.6 11.96N–.08 87.77W–.04 22–7 69 1-2
CATAC IX 23 04 12 35.9–.82 12N–3.0 88W–3.0 27–9 3.2,3.2 **¶625373149**
SNET IX 23 04 12 37.2 12N–4.0 88W–4.0 13–3 3.3,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 22 22 41 59.9–1.6 12.03N–.05 87.94W–.03 18–4 112 1-3
SNET IX 22 22 41 59.8 12N–2.0 88W–2.0 17–2 3.4,3.4 **¶625372288**
CATAC IX 22 22 42 00.3–.47 12N–2.0 88W–1.0 22–3 3.4,3.4
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 23 05 56 07.9–1.4 12.04N–.04 87.80W–.03 16–9 160 1-3
CATAC IX 23 05 56 08.3–.54 12N–2.0 88W–2.0 20–4 3.5,3.5 **¶625373088**
SNET IX 23 05 56 09.1–.70 12N–7.0 88W–3.0 10 3.9,3.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 23 06 40 51.9–1.9 11.63N–.06 87.82W–.04 23–16 93 1-3
CATAC IX 23 06 40 50.9–.37 12N–2.0 88W–2.0 24 3.1,3.1 **¶625373081**
SNET IX 23 06 40 51.1 12N–1.0 88W–1.0 16–1 3.2,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 23 00 39 23.0–.99 12.18N–.03 87.81W–.02 20–4 4.5b 427 1-149
IDC IX 23 00 39 19.7–.94 12.30N 87.38W 0 4.1b,4.1 **¶625373181**
SNET IX 23 00 39 23.8–1.7 12N–10 88W–7.0 18–10 4.6,4.6
CATAC IX 23 00 39 24.6–.31 12N–1.0 88W–1.0 23–2 5.0b,4.6
UCR IX 23 00 39 24.0–1.2 12.70N 87.48W 113–13 4.7W,4.6
NEIC IX 23 00 39 25.7–1.4 12.20N–.05 87.79W–.03 37–9 4.5b,4.6
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 07 02 52.0–1.6 12.07N–.06 87.79W–.04 25–13 110 1-3
CATAC IX 23 07 02 51.7–.60 12N–3.0 88W–2.0 25–5 3.3,3.3 **¶625373049**
SNET IX 23 07 02 53.7 12N–2.0 88W–2.0 25–2 3.5,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 23 07 15 42.5–1.9 12.10N–.07 87.81W–.05 16–10 64 1-3
CATAC IX 23 07 15 43.7–.79 12N–4.0 88W–4.0 28–8 2.9,2.9 **¶625373030**
SNET IX 23 07 15 46.2 12N–5.0 88W–5.0 21–3 2.8,2.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 23 11 13 26.4–1.1 12.12N–.03 87.86W–.02 13–6 4.6b,3.7s 425 1-149
IDC IX 23 11 13 24.6–.62 12.36N 87.62W 0 4.2b,4.2 **¶625372962**
CATAC IX 23 11 13 27.9–.52 12N–2.0 88W–2.0 21–5 4.6,4.6
UCR IX 23 11 13 28.6–1.2 12.21N 87.82W 85–44 4.8W,4.6
SNET IX 23 11 13 30.0 12N–1.0 88W–1.0 32–6 4.7,4.7
NEIC IX 23 11 13 30.4–1.9 12.15N–.05 87.82W–.05 37–9 4.6b,4.7
GCG IX 23 11 13 30.3–.37 12.23N 88.25W 0–61 4.8,4.7
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=9.1km az=48.0.
CATAC Event type se. Error ellipse: s-maj=4.4km s-min=2.7km az=52.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.59 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-1.21 $M_{r\theta}$0.95 $M_{\theta\phi}$1.82 $M_{\phi r}$-0.28 NP1:ϕ_s116.62984° ,δ61.64765°,λ56.60787°. NP2:ϕ_s350.85983°,δ42.71228°,λ135.56466°. Principal axes: T 2.0540,Plg58.7995°,Azm337.9320°; N 0.7602,Plg28.9697°,Azm134.0121° ; P -2.8142,Plg10.5889°,Azm229.9526° $M_0$2.52159×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.98 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$-1.24 $M_{r\theta}$0.83 $M_{\theta\phi}$2.11 $M_{\phi r}$-0.64 NP1: ϕ_s129.36625°,δ56.81754°,λ78.08220°. NP2:ϕ_s330.45434°,δ35.02600°,λ107.52552°. Principal axes: T 2.2144,Plg75.0272°,Azm4.9507°; N 1.1043,Plg9.9526°,Azm135.9555° ; P -3.3187,Plg11.0718°,Azm227.9232° $M_0$2.92716×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.84 $M_{\theta\theta}$-1.37 $M_{\phi\phi}$2.21 $M_{r\theta}$2.32 $M_{\theta\phi}$4.97 $M_{\phi r}$-1.82 NP1: ϕ_s353.52610°,δ71.92732°,λ-158.40513°. NP2:ϕ_s256.52557°,δ69.51981°,λ-19.33885°. Principal axes: T 5.7124,Plg1.6070°,Azm124.6533°; N 0.7080,Plg62.1209°,Azm31.6133° ; P -6.4204,Plg27.8246°,Azm215.5017° $M_0$6.09734×10^{15}
UCR Event type se. Error ellipse: s-maj=22.8km s-min=15.7km az=-1.0. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=2.1km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=115.8km s-min=58.0km az=-1.0. Presumed earthquake.
ISC IX 23 08 34 24.5–1.5 12.05N–.07 87.71W–.04 22–6 74 1-3
CATAC IX 23 08 34 23.2–.77 12N–4.0 88W–3.0 8–6 3.1,3.1 **¶625373019**
SNET IX 23 08 34 24.9 12N–2.0 88W–2.0 30–2 3.5,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 23 15 38 49.5–1.4 12.01N–.05 87.93W–.03 19–3 137 1-3
CATAC IX 23 15 38 49.7–.43 12N–2.0 88W–1.0 20–3 3.6,3.6 **¶625372930**
SNET IX 23 15 38 51.1 12N–1.0 88W–1.0 16–2 4.1,3.9L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 23 09 06 05.6–1.4 12.13N–.04 87.89W–.03 15–9 98 1-5
SNET IX 23 09 06 03.9–1.3 14N–11 87W–8.0 10 3.6,3.6 **¶625373006**
CATAC IX 23 09 06 05.6–.70 12N–3.0 88W–2.0 18–5 3.2,3.2
UCR IX 23 09 06 07.7–1.2 12.21N 87.70W 0–10 3.6W,3.2
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=7.2km s-min=3.4km az=33.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=6.3km s-min=15.3km az=-1.0. Presumed earthquake.
ISC IX 23 09 24 14.6–1.7 12.05N–.07 87.76W–.04 20–7 90 1-3
CATAC IX 23 09 24 14.9–.65 12N–4.0 88W–3.0 10 3.0,3.0 **¶625372990**
SNET IX 23 09 24 15.4 12N–3.0 88W–3.0 20–2 3.6,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 23 09 34 09.7–1.4 12.04N–.06 87.85W–.04 20–6 97 1-3
CATAC IX 23 09 34 09.6–.58 12N–3.0 88W–2.0 22–4 3.3,3.3 **¶625372971**
SNET IX 23 09 34 09.7–3.2 12N–25 88W–9.0 10 3.7,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 23 13 38 30.2–1.4 11.99N–.05 87.78W–.03 19–3 144 1-3
CATAC IX 23 13 38 28.3–1.1 12N–5.0 88W–5.0 14–7 3.6,3.6 **¶625372949**
SNET IX 23 13 38 31.1 12N–4.0 88W–4.0 22–4 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 23 20 00 22.1–.82 12.05N–.04 87.78W–.03 22–5 195 1-32
CATAC IX 23 20 00 22.1–.43 12N–2.0 88W–1.0 24–3 3.9,3.9 **¶625372898**
SNET IX 23 20 00 23.0 12N–3.0 88W–3.0 24–2 4.1L,4.1
NEIC IX 23 20 00 25.2–1.9 12.34N–.07 87.66W–.04 35–2 4.2b,4.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 17 33 48.8–1.5 12.10N–.05 87.76W–.04 22–5 108 1-3
CATAC IX 23 17 33 46.4–.77 12N–4.0 88W–3.0 5–4 3.5,3.5 **¶625372923**
SNET IX 23 17 33 48.8 12N–1.0 88W–1.0 26–2 3.5,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 23 20 02 49.5–1.3 12.01N–.04 87.94W–.03 18–6 3.9b 156 1-149
CATAC IX 23 20 02 50.2–.41 12N–2.0 88W–2.0 14–2 3.8,3.8 **¶625372887**
SNET IX 23 20 02 52.3 12N–2.0 88W–2.0 24–2 4.0,3.9
IDC IX 23 20 02 52.3–1.5 13.15N 87.30W 0 3.9,3.8b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.0km s-min=2.6km az=33.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
IDC Error ellipse: s-maj=113.3km s-min=15.6km az=54.0.
ISC IX 24 02 17 13.6–1.4 12.03N–.05 87.77W–.03 19–3 152 1-3
CATAC IX 24 02 17 12.7–.38 12N–2.0 88W–1.0 13–2 3.5,3.5 **¶625373431**
SNET IX 24 02 17 13.9–2.5 12N–17 88W–9.0 28–12 4.0,4.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 23 22 17 42.4–.33 12.10N–.03 87.90W–.02 22–2 4.8b,4.0s 561 1-149
IDC IX 23 22 17 38.8–.60 12.36N 87.74W 0 4.5,4.4b **¶625372847**
SNET IX 23 22 17 40.7–.52 12N–5.0 88W–3.0 10 5.1,5.1
UCR IX 23 22 17 41.2–.46 11.98N 87.87W 8–17 5.2W,5.1
CATAC IX 23 22 17 42.2–.47 12N–2.0 88W–2.0 28–4 5.0,5.0
GFZ IX 23 22 17 45.8–.71 12N–5.0 88W–6.0 49–7 5.5b,4.9L
NEIC IX 23 22 17 45.6 12.17N 87.84W 37 5.5b,4.9L
NEIC IX 23 22 17 45.6–2.0 12.18N–.02 87.84W–.04 36–7 4.8b,4.8
GCMT IX 23 22 17 46.6–.60 11.79N–.04 87.82W–.03 40–1 4.8W,4.8
GCG IX 23 22 18 06.9–.95 13.38N 89.05W 33–7 4.9,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=9.5km az=46.0.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
UCR Event type se. Error ellipse: s-maj=5.6km s-min=7.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=2.3km az=35.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.57 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$-0.22 $M_{r\theta}$0.60 $M_{\theta\phi}$0.19 $M_{\phi r}$-1.25 NP1:ϕ_s152.17112° ,δ80.25048°,λ96.52277°. NP2:ϕ_s298.14410°,δ11.71272°,λ56.52988°. Principal axes: T 1.5626,Plg54.3041°,Azm70.0840°; N -0.1624,Plg6.4282°,Azm331.0619° ; P -1.4002,Plg34.9346°,Azm236.5482° $M_0$1.48809×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=2.7km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.82 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-0.94 $M_{r\theta}$0.94 $M_{\theta\phi}$-0.08 $M_{\phi r}$-1.54 NP1:ϕ_s25.55000°,δ18.05000°,λ140.53000°. NP2:ϕ_s153.61000°,δ78.64000° ,λ75.88000°. Principal axes: T 2.0851,Plg54.0000°,Azm46.0000°; N -0.1688,Plg14.0000° ,Azm156.0000°; P -1.9162,Plg32.0000°,Azm255.0000° $M_0$2.01000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109232217A. Moment Tensor Solution. s25,c28; s67,c81; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.19±.17 $M_{\theta\theta}$-1.37±.11; $M_{\phi\phi}$0.18±.11; $M_{r\theta}$0.84±.08; $M_{\theta\phi}$1.14±.08; $M_{\phi r}$-0.97±.11; Best double couple: NP1:ϕ_s270.00000°,δ32.00000° ,λ46.00000°. NP2:ϕ_s138.00000°,δ67.00000°,λ114.00000°. Principal axes: T 1.7890,Plg61.0000°,Azm83.0000°; N 0.5950,Plg22.0000°,Azm309.0000° ; P -2.3840,Plg19.0000°,Azm211.0000° $M_0$2.08700×10^{16}
GCG Event type se. Error ellipse: s-maj=52.5km s-min=43.6km az=-1.0. Presumed earthquake.
ISC IX 24 04 49 10.9–1.3 12.02N–.04 87.82W–.03 9–9 210 1-3
CATAC IX 24 04 49 14.6–.36 12N–2.0 88W–1.0 28–3 3.7,3.7 **¶625373368**
SNET IX 24 04 49 16.0–2.0 12N–19 88W–9.0 33–11 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 24 08 51 48.6–1.6 12.15N–.06 87.68W–.05 25–13 75 1-2
CATAC IX 24 08 51 46.5–.51 12N–2.0 88W–2.0 16–3 3.2,3.2 **¶625373313**
SNET IX 24 08 51 49.1 12N–2.0 88W–2.0 24–3 3.3,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 24 02 47 32.1–1.3 11.98N–.04 87.82W–.03 12–9 185 1-3
CATAC IX 24 02 47 31.7–.38 12N–2.0 88W–1.0 11–2 3.8,3.8 **¶625373406**
SNET IX 24 02 47 31.3–1.8 12N–14 88W–7.0 10 4.0,4.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 24 00 37 18.2–1.3 12.08N–.04 87.77W–.03 19–3 196 1-3
CATAC IX 24 00 37 16.2–.35 12N–2.0 88W–1.0 14–2 3.8,3.8 **¶625373453**
SNET IX 24 00 37 20.8 12N–1.0 88W–1.0 23–1 4.1,3.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 24 18 10 15.5–1.3 12.13N–.04 87.87W–.03 29–12 156 1-4

CATAC IX 24 18 10 14.1–.54 12N–2.0 88W–2.0 21–4 3.6,3.6 ¶625373232
SNET IX 24 18 10 16.3 12N–1.0 88W–1.0 32–1 3.7,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 24 11 10 28.5–.94 11.95N–.03 87.80W–.02 18–3 4.4b 420 1-149
IDC IX 24 11 10 26.8–.79 12.43N 87.47W 0 4.0b,3.9 ¶621126432
CATAC IX 24 11 10 28.5–.29 12N–1.0 88W–1.0 13–1 4.4,4.4
SNET IX 24 11 10 28.4–.53 12N–5.0 88W–3.0 10 4.6,4.6
NEIC IX 24 11 10 29.7–1.2 11.96N–.07 87.77W–.04 22–4 4.4b,4.6
GCG IX 24 11 10 30.8–.70 11.88N 88.05W 99–66 4.8,4.6
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=9.7km az=46.0.
CATAC Event type se. Error ellipse: s-maj=3.3km s-min=1.7km az=31.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=4.9km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=20.4km s-min=19.3km az=-1.0. Presumed earthquake.
ISC IX 24 04 12 51.7–1.2 12.15N–.05 87.79W–.03 15–9 139 1-3
CATAC IX 24 04 12 50.8–.44 12N–2.0 88W–1.0 14–2 3.4,3.4 ¶625373390
SNET IX 24 04 12 55.5 12N–4.0 88W–4.0 45–10 3.6,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 24 13 25 45.0–1.2 12.08N–.04 87.85W–.03 30–12 156 1-3
CATAC IX 24 13 25 43.0–.30 12N–1.0 88W–1.0 11–1 3.6,3.6 ¶625373262
SNET IX 24 13 25 45.6 12N–8.0 88W–8.0 8–19 3.6,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 25 01 09 50.0–1.1 12.11N–.03 87.93W–.02 15–6 4.3b,3.3s 362 1-149
IDC IX 25 01 09 49.8–.84 12.63N 87.52W 0 3.9b,3.9 ¶625373582
CATAC IX 25 01 09 51.8–.39 12N–1.0 88W–1.0 15–2 5.0b,4.6
SNET IX 25 01 09 52.1 12.1N–1.0 87.9W–1.0 11–2 4.4,4.4L
NEIC IX 25 01 09 53.4–2.1 12.14N–.06 87.91W–.05 35–2 4.3b,4.4L
GCG IX 25 01 09 56.3–1.2 12.56N 88.14W 0–413 4.6,4.4L
UCR IX 25 01 10 33.9–.43 10.65N 85.38W 21–4 3.9W,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=9.4km az=44.0.
CATAC Event type se. Error ellipse: s-maj=3.5km s-min=1.7km az=33.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.5km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=622.5km s-min=592.1km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=7.4km s-min=2.5km az=-1.0. Presumed earthquake.
ISC IX 24 13 49 57.1–1.3 12.03N–.05 87.78W–.03 22–5 136 1-3
CATAC IX 24 13 49 56.4–.41 12N–2.0 88W–1.0 18–3 3.5,3.5 ¶625373255
SNET IX 24 13 49 57.7 12N–3.0 88W–3.0 27–3 3.9,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 25 01 23 32.5–1.1 12.15N–.04 87.94W–.02 19–3 4.0b 259 1-54
CATAC IX 25 01 23 32.8–.36 12N–2.0 88W–1.0 20–2 3.8,3.8 ¶625373563
IDC IX 25 01 23 32.3–1.8 12.81N 87.38W 0 3.9b,3.8
SNET IX 25 01 23 32.8 12N–3.0 88W–3.0 32–5 4.3,4.0
NEIC IX 25 01 23 35.5–1.8 12.25N–.06 87.83W–.04 35–2 4.0b,4.0
GCG IX 25 01 23 36.4–.68 12.22N 88.10W 29–999 4.3,4.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=3.7km s-min=1.8km az=26.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=72.5km s-min=15.5km az=53.0.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.4km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ISC IX 26 05 26 56.6–1.3 12.22N–.04 87.72W–.03 10–9 128 1-3
CATAC IX 26 05 26 55.2–.52 12N–3.0 88W–2.0 17–3 3.1,3.1 ¶625374732
SNET IX 26 05 27 00.0 12N–3.0 88W–3.0 17–3 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 24 23 29 04.3–1.3 12.14N–.03 87.92W–.02 3–9 4.2b 224 1-139
CATAC IX 24 23 29 06.6–.73 12N–4.0 88W–5.0 16–11 4.0,4.0 ¶621126468
IDC IX 24 23 29 06.7–1.3 12.77N 87.65W 0 3.8b,3.8
NEIC IX 24 23 29 07.9–1.4 12.21N–.06 87.80W–.04 20–11 4.2b,3.8
SNET IX 24 23 29 07.4 12N–1.0 88W–1.0 17–1 4.2,4.1
GCG IX 24 23 29 10.7–.79 12.21N 88.09W 40–999 4.5,4.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.8km s-min=6.7km az=113.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=52.3km s-min=14.2km az=45.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=4.4km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ISC IX 25 06 24 27.7–1.7 12.06N–.07 87.76W–.04 17–10 86 1-3
SNET IX 25 06 24 25.0 12N–2.0 88W–2.0 17–3 4.2,3.5 ¶625373522
CATAC IX 25 06 24 26.6–.52 12N–3.0 88W–2.0 10–3 2.9,2.9
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 25 18 55 26.5–1.6 12.16N–.07 87.87W–.04 30–12 49 1-3
CATAC IX 25 18 55 25.3–.72 12N–3.0 88W–2.0 23–4 3.0,3.0 ¶625373458
SNET IX 25 18 55 33.9–.63 13N–5.0 88W–4.0 10 3.7,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 27 01 02 49.0–1.9 12.14N–.08 87.75W–.05 2–13 48 1-3
CATAC IX 27 01 02 47.8–.62 12N–3.0 88W–3.0 13–4 3.3,3.3 ¶625374957
SNET IX 27 01 02 55.8–.73 13N–8.0 88W–5.0 5 3.7,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 26 02 45 21.4–1.1 12.06N–.04 87.93W–.03 41–10 4.3b,3.2s 447 1-149
IDC IX 26 02 45 16.4–.76 12.32N 87.73W 0 3.9b,3.9 ¶625374801
UCR IX 26 02 45 20.9–.72 12.09N 87.91W 26–14 4.5W,3.9
CATAC IX 26 02 45 20.8–.30 12N–1.0 87.9W–.90 26–2 5.3b,5.2b
NEIC IX 26 02 45 22.3–1.9 12.17N–.06 87.90W–.05 35–2 4.4b,5.2b
GCG IX 26 02 45 23.8–.48 12.18N 88.21W 99–41 4.7,5.2b
SNET IX 26 02 45 24.4 12N–2.0 88W–2.0 44–7 4.6,4.5
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.08 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$0.69 $M_{r\theta}$0.31 $M_{\theta\phi}$1.09 $M_{\phi r}$-0.89 NP1:ϕ_s162.13975° ,δ88.60998°,λ144.02226°. NP2:ϕ_s253.14863°,δ54.03449°,λ1.71750°. Principal axes: T 1.5779,Plg25.6222°,Azm111.5322°; N 0.0780,Plg53.9990°,Azm340.2259° ; P -1.6560,Plg23.4613°,Azm213.5462° $M_0$1.61835×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 28 02 43 14.3–1.3 11.94N–.04 86.49W–.04 99–6 228 0-4
CATAC IX 28 02 43 13.9–.21 12N–2.0 87W–2.0 90–1 3.1,3.1 ¶625375016
UCR IX 28 02 43 13.2–.57 11.99N 86.46W 105–4 3.5W,3.1
SNET IX 28 02 43 13.3 12N–3.0 86W–3.0 107–3 3.8L,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 27 02 54 08.6–1.4 12.55N–.05 87.47W–.04 61–8 112 0-3
CATAC IX 27 02 54 07.4–.51 12N–5.0 88W–3.0 36–5 3.5,3.5 ¶625374944
SNET IX 27 02 54 07.9–.77 13N–15 87W–10 39–9 3.7,3.7
GCG IX 27 02 54 20.0–.36 13.01N 88.32W 65–19 3.8,3.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=12.7km s-min=4.5km az=30.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=9.5km s-min=6.9km az=-1.0. Presumed earthquake.
ISC IX 27 22 05 34.7–1.6 11.06N–.04 86.88W–.04 10–11 3.6b 142 1-150
IDC IX 27 22 05 33.9–1.2 11.30N 86.91W 0 3.7b,3.7 ¶625374855
CATAC IX 27 22 05 34.3–.61 11N–3.0 87W–2.0 28–9 4.0,4.0
UCR IX 27 22 05 35.6–1.3 11.10N 86.88W 16–20 4.3W,4.0
SNET IX 27 22 05 37.8 11N–6.0 87W–6.0 70–19 3.9L,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 30 06 08 13.1–1.5 12.21N–.07 87.80W–.03 14–10 59 1-3
CATAC IX 30 06 08 13.3–.63 12N–3.0 88W–2.0 23–3 3.0,3.0 ¶625375263
SNET IX 30 06 08 16.0–.72 12N–10 88W–4.0 10 3.5,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 02 00 50 37.4–1.5 11.83N–.05 87.58W–.04 29–13 99 1-3
SNET X 02 00 50 38.7 12N–7.0 88W–7.0 25–5 3.8,3.8 ¶625375387
CATAC X 02 00 50 40.1–.73 12N–3.0 87W–4.0 25–4 3.2,3.2
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 03 19 43 01.6–1.5 11.12N–.05 86.28W–.06 23–14 54 0-2
UCR X 03 19 42 58.3–.79 11.11N 86.47W 1–17 3.7W ¶625706941
CATAC X 03 19 43 02.8–.62 11N–3.0 86W–3.0 18–4 3.2,3.2
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 03 21 10 00.5–.47 11.13N–.03 86.84W–.03 44–4 4.9b,4.3s 530 1-152
UCR X 03 21 09 55.8–.61 10.98N 86.91W 6–13 5.5W,4.3s ¶625375429
CATAC X 03 21 09 57.4–.48 11N–2.0 87W–2.0 12–3 5.0,5.0
SNET X 03 21 09 59.4 11N–2.0 87W–2.0 78–4 5.6,5.4
NEIC X 03 21 09 59.3–1.2 11.10N–.05 86.85W–.06 35–2 4.9b,5.4
GCMT X 03 21 10 00.2–.30 10.85N–.02 87.08W–.02 21–0 5.0W,5.4
IDC X 03 21 10 02.3–1.3 11.68N 86.37W 48–12 4.4,4.2s
GFZ X 03 21 10 03.5 11.37N 86.63W 28 4.9W,4.2s
GFZ X 03 21 10 03.3–.50 11N–4.0 87W–5.0 50–4 5.3b,4.9L
JSN X 03 21 11 29.2–.78 15.73N 81.51W 395–12 5.3b,4.9L
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=5.2km s-min=8.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=5.4km s-min=3.2km az=43.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.17 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$-1.14 $M_{r\theta}$0.31 $M_{\theta\phi}$1.47 $M_{\phi r}$0.40 NP1:ϕ_s121.87043° ,δ45.92037°,λ69.26189°. NP2:ϕ_s330.42878°,δ47.79159°,λ110.08544°. Principal axes: T 2.2999,Plg75.2305°,Azm312.7081°; N 0.2537,Plg14.7365°,Azm136.6268° ; P -2.5537,Plg0.9654°,Azm46.3728° $M_0$2.43673×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.65 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-1.07 $M_{r\theta}$0.72 $M_{\theta\phi}$0.63 $M_{\phi r}$0.69 NP1: ϕ_s125.46427°,δ46.00758°,λ56.32726°. NP2:ϕ_s349.27148°,δ53.22143°,λ119.86877°. Principal axes: T 2.0863,Plg66.1337°,Azm319.7717°; N -0.5790,Plg23.5087°,Azm150.2961° ; P -1.5073,Plg3.8858°,Azm58.6029° $M_0$1.86546×10^{16}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.3km az=235.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110032110A. Moment Tensor Solution. s65,c85; s105,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.22±.15 $M_{\theta\theta}$-2.07±.09; $M_{\phi\phi}$-1.15±.10; $M_{r\theta}$2.35±.16; $M_{\theta\phi}$1.49±.06; $M_{\phi r}$-2.10±.19; Best double couple: NP1:ϕ_s303.00000°,δ23.00000° ,λ83.00000°. NP2:ϕ_s130.00000°,δ67.00000°,λ93.00000°. Principal axes: T 4.5200,Plg68.0000°,Azm45.0000°; N -0.0640,Plg3.0000°,Azm309.0000° ; P -4.4550,Plg22.0000°,Azm218.0000° $M_0$4.48700×10^{16}
IDC Error ellipse: s-maj=22.5km s-min=8.8km az=51.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.58 $M_{\theta\theta}$-1.91 $M_{\phi\phi}$-0.66 $M_{r\theta}$-1.53 $M_{\theta\phi}$1.29 $M_{\phi r}$0.84 NP1: ϕ_s124.09456°,δ28.36102°,λ93.40344°. NP2:ϕ_s300.22822°,δ61.69352°,λ88.16447°. Principal axes: T 3.1024,Plg73.2429°,Azm205.7226°; N 0.1450,Plg1.6160°,Azm301.0988° ; P -3.2474,Plg16.6744°,Azm31.5830° $M_0$3.17740×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JSN Event type se. Error ellipse: s-maj=62.8km s-min=88.0km az=-1.0. Presumed earthquake.
ISC X 08 05 48 55.8–1.7 12.35N–.08 87.72W–.05 30–12 52 0-2
CATAC X 08 05 48 56.0–.65 12N–4.0 88W–3.0 29–3 2.7,2.7 ¶625375848
SNET X 08 05 49 01.2–.30 13N–4.0 87W–3.0 10 3.3,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 03 21 39 30.6–2.5 11.04N–.07 86.98W–.09 13–11 47 1-3

CATAC X 03 21 39 29.0–.68 11N–3.0 87W–4.0 10–7 3.6,3.6 **¶625706942**
UCR X 03 21 39 34.1–.86 11.19N 86.75W 22–8 4.2W,3.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.8km s-min=5.7km az=64.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=11.2km s-min=13.4km az=-1.0. Presumed earthquake.
ISC X 05 22 55 32.5–1.5 11.55N–.05 86.17W–.05 85–8 87 0-3
CATAC X 05 22 55 32.4–.35 11N–3.0 86W–3.0 66–3 3.2,3.2 **¶625707055**
UCR X 05 22 55 33.7–.78 11.52N 86.12W 26–4 3.6W,3.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.7km s-min=3.0km az=45.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.0km s-min=6.4km az=-1.0. Presumed earthquake.
ISC X 07 08 01 52.9–.92 12.35N–.04 87.61W–.03 58–7 3.3b 362 0-139
IDC X 07 08 01 46.7–1.1 12.81N 87.26W 0 3.6L,3.5b **¶621217204**
CATAC X 07 08 01 53.3–.28 12N–2.0 88W–1.0 31–2 4.3,4.3
UCR X 07 08 01 53.1–1.2 12.53N 87.50W 82–27 4.2W,4.3
SNET X 07 08 01 53.6 12N–1.0 88W–1.0 53–4 4.4,4.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 06 06 41 25.3–1.4 11.54N–.04 87.01W–.03 19–3 114 1-3
CATAC X 06 06 41 25.7–.38 12N–2.0 87W–2.0 24–3 3.3,3.3 **¶625375700**
SNET X 06 06 41 31.8 12N–2.0 87W–2.0 34–0 3.4,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 07 10 04 22.0–1.6 11.52N–.05 86.83W–.06 29–12 91 0-2
UCR X 07 10 04 21.8–.81 11.54N 86.82W 24–7 3.8W **¶625707200**
CATAC X 07 10 04 22.4–.42 12N–2.0 87W–3.0 36–3 3.6,3.6
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 04 01 06 13.8–1.2 12.43N–.03 87.84W–.02 26–12 330 0-4
UCR X 04 01 06 12.5–1.6 13.62N 86.71W 25–22 4.0W **¶625375564**
CATAC X 04 01 06 13.8–.14 12N–1.0 87.8W–.90 29 4.0,4.0
SNET X 04 01 06 15.2–.49 13N–6.0 88W–4.0 32–6 4.1,4.1
GCG X 04 01 06 31.0–1.2 13.48N 88.69W 14–14 4.3,4.1
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=11.8km s-min=32.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=3.3km s-min=1.2km az=29.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=36.7km s-min=32.8km az=-1.0. Presumed earthquake.
ISC X 04 22 36 05.0–1.7 11.74N–.05 87.98W–.04 1–11 75 1-4
CATAC X 04 22 36 01.9–1.6 12N–5.0 88W–4.0 3–10 3.5,3.5 **¶625375510**
UCR X 04 22 36 08.7–1.1 11.91N 87.81W 13–26 3.5W,3.5
SNET X 04 22 36 11.2–2.0 12N–19 88W–9.0 10 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 04 22 58 06.7–1.5 11.31N–.04 86.71W–.05 21–4 130 1-2
CATAC X 04 22 58 05.9–.42 11N–2.0 87W–2.0 25–2 3.3,3.3 **¶625375503**
SNET X 04 22 58 05.7–1.5 11N–8.0 87W–10 5 3.7,3.7
UCR X 04 22 58 06.0–1.3 11.26N 86.75W 20–18 3.8W,3.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.7km s-min=2.4km az=42.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
UCR Event type se. Error ellipse: s-maj=15.1km s-min=14.0km az=-1.0. Presumed earthquake.
ISC X 05 06 07 45.6–1.4 12.06N–.05 87.80W–.03 28–12 139 1-3
CATAC X 05 06 07 45.4–.40 12N–2.0 88W–1.0 28–3 3.2,3.2 **¶625375616**
SNET X 05 06 07 48.9 12N–3.0 88W–3.0 39–16 3.4,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 06 17 11 57.8–1.3 12.15N–.05 87.79W–.04 22–8 88 1-3
CATAC X 06 17 11 55.9–.48 12N–2.0 88W–2.0 20–3 3.4,3.4 **¶625375659**
SNET X 06 17 12 02.3 12N–8.0 88W–8.0 17–3 3.5,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 08 13 26 36.0–1.4 12.18N–.04 87.28W–.04 57–7 121 0-3
CATAC X 08 13 26 36.0–.29 12N–2.0 87W–2.0 34–2 3.3,3.3 **¶625375844**
SNET X 08 13 26 38.5 12N–6.0 87W–6.0 71–4 3.7,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 07 22 32 26.8–1.7 12.07N–.05 87.09W–.05 83–9 111 0-1
SNET X 07 22 32 24.5 12N–11 87W–11 113–16 2.9,2.9 **¶625375728**
CATAC X 07 22 32 27.9–.32 12N–2.0 87W–2.0 55–3 3.2,3.2
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 08 01 47 47.9–1.2 12.05N–.04 87.98W–.02 31–9 4.2b 258 1-84
SNET X 08 01 47 45.4–3.2 12N–24 88W–11 10 4.1,4.1 **¶625375855**
CATAC X 08 01 47 46.7–.32 12N–2.0 88W–1.0 12–2 3.8,3.8
IDC X 08 01 47 49.2–1.7 12.96N 87.44W 0 3.8b,3.8
NEIC X 08 01 47 50.2–1.5 12.14N–.08 87.89W–.08 45–10 4.2b,3.8
GCG X 08 01 47 51.1–2.5 12.47N 87.84W 26–999 4.2,3.8
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=3.5km s-min=2.0km az=29.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=71.9km s-min=15.1km az=54.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=4.7km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ISC X 09 12 12 60.0–1.4 12.33N–.06 87.73W–.04 49–14 156 1-3
SNET X 09 12 13 00.7 12N–2.0 88W–2.0 49–3 3.6,3.5 **¶625375878**
CATAC X 09 12 13 00.1–.39 12N–3.0 88W–2.0 33–3 3.4,3.4
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 10 04 41 49.0–1.9 12.03N–.08 87.79W–.05 25–13 69 1-2
CATAC X 10 04 41 48.5–.60 12N–3.0 88W–2.0 14–4 2.8,2.8 **¶625376000**
SNET X 10 04 41 51.8 12N–5.0 88W–5.0 32–4 3.1,3.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 10 01 00 56.6–2.0 12.62N–.06 87.14W–.05 150–11 104 0-2
SNET X 10 01 00 54.9 13N–4.0 87W–4.0 155–5 2.7,2.7 **¶625376017**
CATAC X 10 01 00 55.4–.36 13N–3.0 87W–2.0 148–2 2.6,2.6
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 11 07 38 56.9–1.1 11.16N–.03 86.89W–.03 15–7 4.0b 235 1-150
IDC X 11 07 38 47.5–3.0 9.54N 87.85W 0 3.7b,3.7 **¶621144634**
NEIC X 11 07 38 58.1–.97 11.18N–.05 86.87W–.06 20–7 4.0b,3.7
UCR X 11 07 38 58.1–.77 11.12N 86.99W 24–12 4.6W,3.7
CATAC X 11 07 38 59.6–.40 11N–2.0 87W–1.0 29–3 3.8,3.8
SNET X 11 07 39 01.6 11N–3.0 87W–3.0 28–4 3.9,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 10 03 30 17.9–1.4 12.19N–.04 87.82W–.03 23–13 168 1-3
CATAC X 10 03 30 16.3–.38 12N–2.0 88W–1.0 20–2 3.3,3.3 **¶625376007**
SNET X 10 03 30 18.9 12N–3.0 88W–3.0 24–2 3.8,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 12 02 03 17.2–1.6 11.17N–.05 86.56W–.05 17–9 79 1-7
SNET X 12 02 03 14.6–2.7 11N–20 87W–13 10 3.6,3.6 **¶625379240**
UCR X 12 02 03 16.5–.96 11.10N 86.60W 9–19 3.7W,3.6
CATAC X 12 02 03 17.3–.62 11N–3.0 87W–3.0 29–5 3.0,3.0
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 11 07 16 54.4–1.2 11.54N–.03 86.77W–.03 33–7 201 0-4
SNET X 11 07 16 53.8–1.3 12N–9.0 87W–8.0 31–10 4.1,4.1 **¶625376100**
UCR X 11 07 16 54.2–1.0 11.55N 86.79W 25–12 3.8W,4.1
CATAC X 11 07 16 54.0–.38 12N–2.0 87W–2.0 33–3 3.9,3.9
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 15 11 57 36.1–1.4 12.22N–.06 87.95W–.03 32–12 137 1-3
CATAC X 15 11 57 35.2–.38 12N–3.0 88W–2.0 29 3.6,3.6 **¶625379320**
SNET X 15 11 57 36.8 12N–2.0 88W–2.0 36–345 4.0,4.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 12 12 18 47.9–1.5 11.81N–.05 87.42W–.04 15–9 85 1-3
CATAC X 12 12 18 47.1–.47 12N–2.0 88W–2.0 22–4 3.3,3.3 **¶625379161**
SNET X 12 12 18 49.8–1.0 12N–10 87W–3.0 10 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 21 07 02 44.3–1.2 11.00N–.03 86.07W–.04 30–12 108 0-2
UCR X 21 07 02 43.8–.96 11.00N 86.08W 31–2 3.5W **¶625708301**
CATAC X 21 07 02 45.1–.42 11N–3.0 86W–2.0 34–2 3.2,3.2
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 16 06 10 02.5–1.4 12.21N–.06 87.78W–.04 29–12 81 1-2
SNET X 16 06 09 56.4–3.7 14N–19 87W–15 183–33 2.9,2.9 **¶625379530**
CATAC X 16 06 10 02.4–.52 12N–3.0 88W–2.0 24–3 3.0,3.0
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC X 19 04 22 56.9–.86 12N–5.0 87W–4.0 27–4 2.4,2.4 ¶626091043
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC X 22 03 29 58.6–.45 12N–3.0 88W–2.0 31–3 2.9,2.9 ¶625379881
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 21 11 34 56.5–1.0 11.76N–.06 86.22W–.06 161–6 98 0-140
CATAC X 21 11 34 55.9–.50 12N–7.0 86W–5.0 156–3 3.4,3.4 **¶621261408**
IDC X 21 11 34 56.2–1.6 11.30N 86.62W 157–28 3.9,3.4b
UCR X 21 11 34 57.1–.97 11.82N 86.20W 150–8 3.8W,3.4b
SNET X 21 11 35 03.9–1.2 12N–15 86W–15 68–22 3.4,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 21 09 12 06.4–1.3 12.65N–.04 87.37W–.03 133–5 237 0-4
CATAC X 21 09 12 05.7–.21 13N–2.0 87W–1.0 130–1 3.2,3.2 **¶625379813**
GCG X 21 09 12 07.0–.55 12.73N 87.62W 151–24 4.3,3.2
SNET X 21 09 12 33.9–.29 13N–12 87W–8.0 10 4.2,4.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 24 07 35 48.2–1.2 11.92N–.03 87.95W–.02 16–7 4.4b 354 1-149
IDC X 24 07 35 46.6–1.2 12.21N 87.74W 0 4.0s,3.9b **¶625379954**
CATAC X 24 07 35 47.5–.39 12N–2.0 88W–2.0 10–3 3.8,3.8
SNET X 24 07 35 49.7–.44 12N–5.0 88W–2.0 10 4.2,4.2
NEIC X 24 07 35 51.7–.83 12.03N–.08 87.89W–.06 34–7 4.4b,4.2
UCR X 24 07 35 52.7–.64 11.94N 87.77W 28 4.2W,4.2
GCG X 24 07 35 54.5–2.5 12.15N 88.20W 17–406 4.7,4.2
ISC Event type se.
IDC Error ellipse: s-maj=47.7km s-min=11.8km az=40.0.

CATAC Event type se. Error ellipse: s-maj=5.3km s-min=4.1km az=82.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.8km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=3.4km s-min=11.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=283.3km s-min=174.8km az=-1.0. Presumed earthquake.

ISC	**X**	**24 02 51 58.8–1.6**	**11.91N–.05**	**86.33W–.04**	**133–8**		**127**	**0-4**
CATAC	X	24 02 51 56.7–.34	12N–4.0	86W–2.0	135–2	3.0,3.0	**¶625380006**	
SNET	X	24 02 51 58.3	12N–1.0	86W–1.0	131–1	3.0,3.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**29 07 01 30.0–1.2**	**12.18N–.06**	**87.69W–.04**	**22–8**		**78**	**1-3**
CATAC	X	29 07 01 27.8–.59	12N–3.0	88W–2.0	19–4	2.9,2.9	**¶625380660**	
SNET	X	29 07 01 28.0–1.4	12N–12	88W–8.0	22	3.4,3.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**25 05 31 56.7–1.4**	**12.21N–.04**	**87.82W–.03**	**19–3**		**107**	**1-3**
CATAC	X	25 05 31 58.0–.37	12N–2.0	88W–1.0	26–2	3.1,3.1	**¶625380125**	
SNET	X	25 05 32 08.3–.40	12N–6.0	87W–4.0	10	4.0,4.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**25 23 19 01.3–1.7**	**11.11N–.05**	**86.48W–.06**	**14–11**		**55**	**1-2**
UCR	X	25 23 19 01.1–.83	11.16N	86.43W	1–6	3.5W	**¶625708631**	
CATAC	X	25 23 19 02.2–.59	11N–3.0	86W–3.0	23–4	2.8,2.8		

ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**27 02 08 11.9–1.4**	**12.63N–.06**	**87.95W–.04**	**55–11**		**60**	**0-2**
SNET	X	27 02 07 52.7–1.8	12N–27	89W–14	236	3.6,3.6	**¶625380330**	
CATAC	X	27 02 08 11.3–.36	13N–3.0	88W–2.0	36–3	2.9,2.9		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**01 17 34 24.8–1.5**	**11.84N–.05**	**87.88W–.03**	**26–12**		**128**	**1-149**
IDC	XI	01 17 34 20.5–2.0	11.89N	87.87W	0	3.3b,3.1	**¶635690429**	
CATAC	XI	01 17 34 22.8–.60	12N–3.0	88W–6.0	27–12	3.6,3.6		
UCR	XI	01 17 34 23.0–.66	11.97N	88.00W	20–999	4.0W,3.6		
SNET	XI	01 17 34 27.4	12.1N–.80	87.8W–.80	21–0	4.0W,3.6		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**29 15 37 40.6–3.5**	**11.1N–.10**	**87.7W–.10**	**20–7**		**43**	**1-3**
CATAC	X	29 15 37 40.7–.59	11N–4.0	88W–4.0	18	3.7,3.7	**¶625380547**	
SNET	X	29 15 37 57.8–1.1	12N–9.0	87W–7.0	17–5	3.0,3.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**30 13 03 20.6–1.8**	**12.47N–.08**	**87.73W–.05**	**65–10**		**63**	**0-2**
SNET	X	30 13 03 20.5	12N–2.0	88W–2.0	55–6	3.6,3.6	**¶625380751**	
CATAC	X	30 13 03 21.5–.42	12N–3.0	88W–2.0	38–3	3.0,3.0		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**04 06 25 00.2–1.1**	**12.12N–.03**	**87.42W–.02**	**13–9**		**236**	**0-3**
CATAC	XI	04 06 25 03.8–.20	12N–1.0	87W–1.0	33–1	3.3,3.3	**¶635690611**	
SNET	XI	04 06 25 06.4	12N–2.0	87W–2.0	50–1	3.7,3.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**03 13 44 08.7–1.3**	**12.39N–.04**	**87.71W–.04**	**31–12**		**118**	**0-2**
CATAC	XI	03 13 44 08.6–.36	12N–2.0	88W–2.0	31–2	3.5,3.5	**¶626091119**	
SNET	XI	03 13 44 11.7	13N–5.0	87W–5.0	34–2	3.5,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**02 13 50 00.4–1.8**	**12.06N–.07**	**87.82W–.04**	**18–5**		**82**	**1-3**
CATAC	XI	02 13 49 58.8–.54	12N–3.0	88W–2.0	10–4	3.1,3.1	**¶626091108**	
SNET	XI	02 13 50 00.6	12N–3.0	88W–3.0	18–1	3.8,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**05 23 12 49.0–1.4**	**11.47N–.04**	**87.14W–.04**	**16–9**		**102**	**1-3**
SNET	XI	05 23 12 48.6–1.1	11N–9.0	87W–5.0	5	3.8,3.8	**¶626091149**	
CATAC	XI	05 23 12 53.0–.38	12N–2.0	87W–2.0	23–2	3.1,3.1		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**04 08 21 53.6–2.2**	**11.96N–.09**	**87.89W–.07**	**34–3**		**47**	**1-2**
CATAC	XI	04 08 21 52.3–.77	12N–4.0	88W–4.0	25–8	3.0,3.0	**¶635690598**	
SNET	XI	04 08 22 04.4–1.2	13N–7.0	87W–8.0	10	3.7,3.7		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XI**	**09 04 25 12.3–1.5**	**11.16N–.04**	**86.67W–.04**	**18–5**		**132**	**1-3**
CATAC	XI	09 04 25 11.0–.36	11N–2.0	87W–2.0	21–2	3.1,3.1	**¶626091170**	
SNET	XI	09 04 25 14.5–.86	11N–5.0	87W–6.0	15	3.6,3.6		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. confirmed.

ISC	**XI**	**09 02 53 49.5–.40**	**11.14N–.02**	**86.73W–.02**	**25–2**	**5.7b,5.7s**	**1713**	**1-168**
IDC	XI	09 02 53 45.9–.36	11.53N	86.15W	0	5.6s,5.1b	**¶635691502**	
MOS	XI	09 02 53 46.5–1.1	11.42N	86.39W	10	5.8b,5.7s		
UCR	XI	09 02 53 47.5–.68	10.99N	86.82W	8–11	6.1W,5.7s		
NEIC	XI	09 02 53 49.9–1.9	11.16N–.05	86.69W–.05	17–1	5.8b,5.7		
ISC-P	XI	09 02 53 49	11.16N	86.69W	45–0	6.0,5.7		
NEIC	XI	09 02 53 49.9	11.10N	86.71W	17	6.0,5.7		
CATAC	XI	09 02 53 49.5–.37	11N–2.0	87W–1.0	29–4	6.1,6.1		
NEIC	XI	09 02 53 50.1	11.15N	86.69W	17	6.1,6.1		
GFZ	XI	09 02 53 50.9	11.24N	86.54W	28	5.8W,6.1		
GFZ	XI	09 02 53 51.4–.25	11N–2.0	86W–3.0	36–2	6.1b,5.7		
PTWC	XI	09 02 53 51	11.20N	86.70W	10	5.8,5.7		
SNET	XI	09 02 53 52.3–.36	11N–2.0	87W–1.0	32–4	6.6,6.0b		
IPGP	XI	09 02 53 52.0	11.12N	86.70W	28	5.9W,6.0b		
GCMT	XI	09 02 53 54.2–.10	10.98N–.01	86.89W–.01	28–0	6.0W,6.0b		
GCG	XI	09 02 53 58.4–1.1	11.63N	87.15W	2–112	5.1,6.0b		
NEIC	XI	09 02 54 01.6	11.05N	86.79W	18	5.9,6.0b		

ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=8.7km az=65.0.
MOS Error ellipse: s-maj=10.6km s-min=6.2km az=109.4.
UCR Event type se. Error ellipse: s-maj=3.0km s-min=5.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.7km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.56 $M_{\theta\theta}$-2.34 $M_{\phi\phi}$-1.23 $M_{r\theta}$2.62 $M_{\theta\phi}$2.08 $M_{\phi r}$-0.84 NP1:ϕ_s320.40000°,δ28.91000°,λ112.07000°. NP2:ϕ_s115.54000°,δ63.39000°,λ78.28000°. Principal axes: T 4.5573,Plg69.0000°,Azm1.0000°; N 0.1958,Plg10.0000°,Azm121.0000°; P -4.7531,Plg18.0000°,Azm214.0000° $M_0$4.66000×10^{17}
ISC-P Moment Tensor Solution. s32 Moment tensor: Scale 10^{18}Nm; M_{rr}0.48±.18 $M_{\theta\theta}$-0.59±.19; $M_{\phi\phi}$-0.03±.17; $M_{r\theta}$0.37±.15; $M_{\theta\phi}$-0.06±.14; $M_{\phi r}$0.27±.23; NP1:ϕ_s103.80000°,δ61.40000°,λ80.80000°. NP2:ϕ_s302.60000°,δ29.90000°,λ106.40000°. $M_0$1.43000×10^{18}
NEIC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=2.5km az=29.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.69 $M_{\theta\theta}$-1.80 $M_{\phi\phi}$-0.89 $M_{r\theta}$4.92 $M_{\theta\phi}$1.20 $M_{\phi r}$-2.94 NP1:ϕ_s121.22197°,δ77.57345°,λ88.58545°. NP2:ϕ_s307.76823°,δ12.50554°,λ96.39225°. Principal axes: T 6.3536,Plg57.4042°,Azm29.3651°; N -0.0707,Plg1.3814°,Azm121.5264°; P -6.2829,Plg32.5591°,Azm212.4087° $M_0$6.31855×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.14 $M_{\theta\theta}$-3.67 $M_{\phi\phi}$-1.47 $M_{r\theta}$3.16 $M_{\theta\phi}$2.93 $M_{\phi r}$-3.55 NP1:ϕ_s134.03737°,δ65.83893°,λ98.43654°. NP2:ϕ_s294.11842°,δ25.50798°,λ71.88981°. Principal axes: T 7.0151,Plg68.0642°,Azm60.1608°; N 0.4061,Plg7.6928°,Azm310.5634°; P -7.4212,Plg20.4115°,Azm217.6821° $M_0$7.22667×10^{17}
GFZ Error ellipse: s-maj=7.5km s-min=3.4km az=71.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SNET Error ellipse: s-maj=4.9km s-min=2.5km az=27.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s309.00000°,δ19.00000°,λ95.00000°. NP2:ϕ_s123.00000°,δ71.00000°,λ88.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111090253A. Moment Tensor Solution. s152,c334; s154,c495;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.66±.01 $M_{\theta\theta}$-0.45±.01; $M_{\phi\phi}$-0.21±.01; $M_{r\theta}$0.58±.01; $M_{\theta\phi}$0.39±.00; $M_{\phi r}$-0.51±.01; Best double couple: NP1:ϕ_s303.00000°,δ21.00000°,λ84.00000°. NP2:ϕ_s130.00000°,δ69.00000°,λ92.00000°. Principal axes: T 1.0070,Plg66.0000°,Azm44.0000°; N 0.0740,Plg2.0000°,Azm309.0000°; P -1.0820,Plg24.0000°,Azm218.0000° $M_0$1.04400×10^{18}
GCG Event type se. Error ellipse: s-maj=176.0km s-min=159.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 4s2 Moment tensor: Scale 10^{17}Nm; M_{rr}3.93 $M_{\theta\theta}$-2.31 $M_{\phi\phi}$-1.62 $M_{r\theta}$5.53 $M_{\theta\phi}$3.40 $M_{\phi r}$-3.95 NP1:ϕ_s322.44000°,δ17.76000°,λ105.81000°. NP2:ϕ_s125.88000°,δ72.93000°,λ85.01000°. Principal axes: T 7.5533,Plg62.0000°,Azm28.0000°; N 1.3840,Plg5.0000°,Azm127.0000°; P -8.9372,Plg28.0000°,Azm220.0000° $M_0$8.33000×10^{17}

ISC	**XI**	**09 06 25 15.8–.28**	**11.18N–.02**	**86.59W–.03**	**40–2**	**6.3s,5.8b**	**1776**	**1-163**
BGR	XI	09 06 25 08.0	11.44N	87.97W	33	6.7s,5.7b	**¶635691462**	
OSUNB	XI	09 06 25 12.9–.43	11.54N	86.16W	20–3	6.3b,5.7b		
NEIC	XI	09 06 25 14.9–1.4	11.22N–.05	86.53W–.07	20–1	6.2,6.2		
GFZ	XI	09 06 25 14.6	11.48N	86.42W	30	6.3W,6.2		
ISC-P	XI	09 06 25 14	11.22N	86.53W	49–0	6.5,6.2		
CATAC	XI	09 06 25 15.7–.27	11N–1.0	87W–1.0	8–1	6.2,6.2		
GFZ	XI	09 06 25 15.2–.11	11N–1.0	86W–2.0	33–0	6.5L,6.4b		
SNET	XI	09 06 25 15.8–2.4	11N–13	87W–13	10–23	6.5L,6.4b		
UCR	XI	09 06 25 15.4–.89	11.15N	86.57W	19–9	6.2W,6.4b		
IPGP	XI	09 06 25 17.0	11.23N	86.52W	33	6.3W,6.4b		
MOS	XI	09 06 25 17.2–1.2	11.39N	86.33W	58	6.4s,5.8b		
NEIC	XI	09 06 25 17	11.24N	86.52W	35	6.4s,5.8b		
NEIC	XI	09 06 25 17	11.24N	86.52W	35	6.4s,5.8b		
IDC	XI	09 06 25 18.6–.97	11.47N	86.20W	62–8	6.2s,5.2		
BJI	XI	09 06 25 19.2	11.27N	86.56W	40	6.7s,6.6		
GCMT	XI	09 06 25 20.8–.10	10.98N	86.75W	33–0	6.4W,6.6		
GCG	XI	09 06 25 30.8–2.8	11.93N	87.21W	142–103	5.6,6.6		
NEIC	XI	09 06 25 31	11.14N	86.62W	36	6.3,6.6		

ISC Event type ke.
BGR Event type ke.
OSUNB Event type ke. Error ellipse: s-maj=4.6km s-min=5.5km az=0.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.2km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.00 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-1.22 $M_{r\theta}$1.30 $M_{\theta\phi}$1.54 $M_{\phi r}$-0.76 NP1:ϕ_s334.29000°,δ30.72000°,λ114.26000°. NP2:ϕ_s126.63000°,δ62.24000°,λ76.28000°. Principal axes: T 2.5211,Plg70.0000°,Azm8.0000°; N 0.4533,Plg12.0000°,Azm133.0000°; P -2.9744,Plg16.0000°,Azm227.0000° $M_0$2.78000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.50 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-1.15 $M_{r\theta}$1.44 $M_{\theta\phi}$1.36 $M_{\phi r}$-1.16 NP1:ϕ_s130.43770°,δ62.96305°,λ87.57896°. NP2:ϕ_s315.75163°,δ27.13699°,λ94.73179°. Principal axes: T 3.1029,Plg71.9328°,Azm34.9108°; N 0.1100,Plg2.1563°,Azm131.5387°; P -3.2128,Plg17.9292°,Azm222.2368° $M_0$3.15930×10^{18}
ISC-P Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}0.27±.14 $M_{\theta\theta}$0.13±.20; $M_{\phi\phi}$-0.38±.15; $M_{r\theta}$0.40±.12; $M_{\theta\phi}$-0.14±.14; $M_{\phi r}$0.45±.12; NP1:ϕ_s114.30000°,δ75.60000°,λ46.20000°. NP2:ϕ_s9.80000°,δ45.60000°,λ159.60000°. $M_0$8.04000×10^{18}
CATAC Event type se. Error ellipse: s-maj=3.7km s-min=1.7km az=50.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.83 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$-1.26 $M_{r\theta}$-0.64 $M_{\theta\phi}$1.71 $M_{\phi r}$0.09 NP1:ϕ_s140.51129°,δ40.46521°,λ102.04662°. NP2:ϕ_s304.84229°,δ50.60269°,λ79.90517°. Principal axes: T 2.9225,Plg80.6674°,Azm164.9991°; N 0.2527,Plg7.7845°,Azm311.2892°; P -3.1752,Plg5.1159°,Azm41.9905° $M_0$3.05672×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.88 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-1.23 $M_{r\theta}$0.32 $M_{\theta\phi}$1.03 $M_{\phi r}$0.06 NP1:ϕ_s133.98386°,δ47.86500°,λ77.74678°. NP2:ϕ_s331.92188°,δ43.55838°,λ103.20251°. Principal axes: T 1.9358,Plg80.6819°,Azm336.0354°; N 0.0808,Plg9.0551°,Azm142.2736°; P -2.0166,Plg2.1799°,Azm232.6212° $M_0$1.97741×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.31 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-1.10 $M_{r\theta}$0.59 $M_{\theta\phi}$1.11 $M_{\phi r}$-0.00 NP1:ϕ_s124.24000°,δ51.08193°,λ78.05526°. NP2:ϕ_s322.85092°,δ40.43003°,λ104.37724°. Principal axes: T 2.4196,Plg79.2527°,Azm342.5374°; N -0.1071,Plg9.2667°,Azm131.8101°; P -2.3125,Plg5.3960°,Azm222.6931° $M_0$2.36786×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.30 $M_{\theta\theta}$-1.12 $M_{\phi\phi}$-1.17 $M_{r\theta}$1.52 $M_{\theta\phi}$1.14 $M_{\phi r}$-0.86 NP1:ϕ_s126.21104°,δ63.74160°,λ81.69917°. NP2:ϕ_s324.46230°,δ27.45010°,λ106.31192°. Principal axes: T 2.9158,Plg70.1077°,Azm18.7518°; N -0.0748,Plg7.4391°,Azm129.9043°; P -2.8409,Plg18.3401°,Azm222.3850° $M_0$2.87910×10^{18}
GFZ Error ellipse: s-maj=4.2km s-min=2.5km az=73.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
UCR Event type se. Error ellipse: s-maj=6.8km s-min=10.6km az=-1.0. Presumed earthquake.
IPGP Moment Tensor Solution. NP1:ϕ_s315.00000°,δ28.00000°,λ99.00000°. NP2:ϕ_s125.00000°,δ63.00000°,λ85.00000°.
MOS Error ellipse: s-maj=9.8km s-min=5.9km az=100.7.
NEIC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=6.6km az=60.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111090625A. Moment Tensor Solution. s160,c413; s160,c646;Duration: 3s7 Moment tensor: Scale 10^{18}Nm; M_{rr}3.30±.02 $M_{\theta\theta}$-2.16±.01; $M_{\phi\phi}$-1.14±.02; $M_{r\theta}$2.31±.03; $M_{\theta\phi}$1.95±.01; $M_{\phi r}$-1.69±.03; Best double couple: NP1:ϕ_s309.00000°,δ25.00000°,λ92.00000°. NP2:ϕ_s127.00000°,δ65.00000°,λ89.00000°.

Principal axes: T 4.3260,Plg70.0000°,Azm35.0000°; N 0.3640,Plg1.0000°,Azm127.0000° ; P -4.6900,Plg20.0000°,Azm217.0000° M0 4.50800×10^18
GCG Event type se. Error ellipse: s-maj=325.4km s-min=355.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 6s3 Moment tensor: Scale 10^18Nm; Mrr2.92 Mθθ-1.84 Mϕϕ-1.09 Mrθ1.23 Mθϕ2.03 Mϕr-0.80 NP1:ϕs313.83000°,δ32.92000° ,λ96.28000°. NP2:ϕs126.36000°,δ57.31000°,λ85.95000°. Principal axes: T 3.2495,Plg77.0000°,Azm23.0000°; N 0.5884,Plg3.0000°,Azm129.0000° ; P -3.8379,Plg12.0000°,Azm219.0000° M0 3.58000×10^18

ISC XI 09 20 49 58.7–1.5 11.05N–.05 86.72W–.05 21–5 131 1-3
CATAC XI 09 20 49 58.6–.42 11N–2.0 87W–2.0 24–3 3.4,3.4 **¶635691368**
SNET XI 09 20 50 00.4 11N–2.0 87W–2.0 23–2 3.5,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC XI 09 06 36 45.2–1.5 11.09N–.04 86.64W–.05 19–3 127 1-3
SNET XI 09 06 36 34.3–4.8 13N–18 84W–36 10 4.4,4.4 **¶626091173**
CATAC XI 09 06 36 45.5–.43 11N–2.0 87W–2.0 25–3 3.7,3.7
UCR XI 09 06 36 45.7–.91 11.08N 86.61W 17–8 4.4W,3.7
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=5.2km s-min=2.8km az=43.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=4.9km s-min=6.3km az=-1.0. Presumed earthquake.

ISC XI 09 07 11 42.7–1.3 11.16N–.05 86.57W–.05 22–9 115 1-3
CATAC XI 09 07 11 42.5–.39 11N–2.0 87W–2.0 28–3 3.3,3.3 **¶635691427**
SNET XI 09 07 11 43.0–.68 11N–4.0 87W–4.0 11–4 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. confirmed.

ISC XI 09 07 23 37.5–1.8 11.17N–.07 86.53W–.07 23–6 71 1-2
CATAC XI 09 07 23 33.9–.46 11N–2.0 87W–2.0 14–2 3.1,3.1 **¶626091175**
SNET XI 09 07 23 37.7–2.0 11N–14 87W–11 10 4.0,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC XI 09 07 40 52.7–1.2 11.06N–.03 86.51W–.03 30–11 3.4b 132 1-68
IDC XI 09 07 40 44.2–14 11.07N 85.74W 0 3.4b,3.4 **¶635691414**
CATAC XI 09 07 40 51.7–.62 11N–3.0 87W–2.0 16–5 4.2,4.2
UCR XI 09 07 40 51.6–.86 11.05N 86.49W 1–4 4.2W,4.2
SNET XI 09 07 40 54.7–.42 11N–3.0 86W–3.0 12 4.2,4.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. confirmed.

ISC XI 09 19 26 42.9–1.3 11.15N–.04 86.57W–.03 18–4 195 1-4
CATAC XI 09 19 26 41.8–.31 11N–2.0 87W–1.0 27–3 3.9,3.9 **¶626091183**
SNET XI 09 19 26 42.8 11N–2.0 87W–2.0 7–3 4.0,4.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC XI 09 06 24 21.9–.55 11.14N–.03 86.54W–.04 42–5 5.5b 658 1-150
NEIC XI 09 06 24 20.7–1.2 11.14N–.04 86.57W–.05 21–4 5.7b **¶635746109**
UCR XI 09 06 24 20.1–.69 11.02N 86.65W 20–7 5.3W
CATAC XI 09 06 24 20.7–.66 11N–3.0 87W–3.0 20–5 5.9,5.9
GFZ XI 09 06 24 20.7–.30 11N–3.0 87W–4.0 28–2 6.3L,6.1
MOS XI 09 06 24 23.0–1.1 11.39N 86.38W 51 5.2b,6.1
SNET XI 09 06 24 24.2 11.25N 86.43W 2 6.1W,6.1
PTWC XI 09 06 24 25 11.20N 86.50W 49 6.3,6.1
IDC XI 09 06 24 25.1–1.3 11.48N 86.22W 60–12 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.0km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=6.1km s-min=8.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=40.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ Error ellipse: s-maj=10.5km s-min=5.1km az=55.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=13.9km s-min=6.5km az=113.5.
SNET hypocenter. smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/qseis_ak135f_continental.
IDC Error ellipse: s-maj=20.0km s-min=8.4km az=55.0.

ISC XI 09 06 28 50.8–1.5 11.06N–.05 86.59W–.06 22–6 110 1-2
CATAC XI 09 06 28 50.2–.50 11N–2.0 87W–2.0 26–4 4.7,4.7 **¶626091171**
UCR XI 09 06 28 50.9–.76 11.08N 86.57W 22–7 5.0W,4.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.2km s-min=3.8km az=46.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=7.4km s-min=10.5km az=-1.0. Presumed earthquake.

ISC XI 09 08 45 02.0–2.2 11.06N–.06 86.63W–.07 19–3 58 1-3
CATAC XI 09 08 45 00.5–.62 11N–4.0 87W–3.0 27–6 3.1,3.1 **¶626091178**
SNET XI 09 08 45 02.8–1.2 11N–6.0 87W–9.0 10 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC XI 09 11 13 01.7–.38 11.06N–.03 86.48W–.03 40–3 4.8b,4.0s 647 1-150
CATAC XI 09 11 13 01.8–.32 11N–2.0 87W–1.0 24–3 5.2,5.2 **¶635691399**
UCR XI 09 11 13 01.8–.90 11.01N 86.53W 15–8 5.1W,5.2
NEIC XI 09 11 13 02.0–1.1 11.04N–.04 86.51W–.04 35–2 4.8b,5.2
SNET XI 09 11 13 02.5–.36 11N–2.0 87W–2.0 14–3 5.7,5.5
GFZ XI 09 11 13 03.2–.24 11N–3.0 86W–4.0 34–1 5.9,5.9
IDC XI 09 11 13 05.5–1.4 11.55N 86.03W 51–13 4.4,4.1b
GCG XI 09 11 13 10.4–.95 11.49N 86.72W 75–344 5.0,4.1b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=3.6km s-min=2.6km az=37.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr0.73 Mθθ-0.33 Mϕϕ-0.40 Mrθ0.65 Mθϕ0.60 Mϕr-0.15 NP1:ϕs114.91771° ,δ65.62898°,λ66.67993°. NP2:ϕs341.16972°,δ33.22978°,λ131.14889°. Principal axes: T 1.0455,Plg62.0386°,Azm348.2622°; N 0.0910,Plg21.1366°,Azm125.0042° ; P -1.1365,Plg17.4394°,Azm221.9798° M0 1.09386×10^16
UCR Event type se. Error ellipse: s-maj=2.5km s-min=4.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.3km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=4.3km s-min=3.5km az=166.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. confirmed.
GFZ Error ellipse: s-maj=10.9km s-min=4.9km az=55.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=25.0km s-min=8.6km az=54.0.
GCG Event type se. Error ellipse: s-maj=42.5km s-min=26.5km az=-1.0. Presumed earthquake.

ISC XI 10 21 32 37.3–1.6 11.04N–.05 86.60W–.05 18–4 132 1-3
SNET XI 10 21 32 25.2–4.8 13N–19 84W–35 10 4.1,4.1 **¶626091190**
CATAC XI 10 21 32 35.9–.46 11N–3.0 87W–2.0 29–6 3.6,3.6
UCR XI 10 21 32 36.7–.66 11.02N 86.63W 24–19 3.8W,3.6
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=20.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=15.8km s-min=14.7km az=-1.0. Presumed earthquake.

ISC XI 10 00 13 10.6–1.6 11.03N–.05 86.75W–.05 16–10 104 1-3
SNET XI 10 00 13 09.6–3.0 11N–21 87W–16 10 3.7,3.7 **¶626091186**
CATAC XI 10 00 13 09.9–.46 11N–2.0 87W–2.0 18–4 3.5,3.5
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC XI 12 08 54 04.9–1.5 11.52N–.04 86.33W–.05 73–8 71 0-3
SNET XI 12 08 53 16.5–4.3 11N–31 89W–20 460–39 4.1,4.1 **¶626091203**
CATAC XI 12 08 54 04.9–.41 11N–2.0 86W–3.0 52–4 2.8,2.8
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. confirmed.

ISC XI 11 03 34 26.2–2.2 11.01N–.06 86.83W–.06 18–11 93 1-3
SNET XI 11 03 34 09.4–6.9 13N–33 84W–48 10 4.2,4.2 **¶626091192**
CATAC XI 11 03 34 25.8–.55 11N–3.0 87W–3.0 25–7 3.4,3.4
UCR XI 11 03 34 26.5–.52 11.02N 86.82W 20–6 4.1W,3.4
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=7.5km s-min=3.7km az=37.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=-1.0. Presumed earthquake.

ISC XI 12 03 59 58.0–1.3 11.79N–.06 87.74W–.04 22–9 145 1-3
CATAC XI 12 03 59 57.6–.52 12N–2.0 88W–2.0 25–5 3.5,3.5 **¶635753739**
SNET XI 12 03 59 57.3 12N–2.0 88W–2.0 22–1 3.5,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC XI 11 15 58 34.2–1.4 12.43N–.06 87.94W–.04 51–18 108 1-2
CATAC XI 11 15 58 34.1–.36 12N–3.0 88W–2.0 38–5 3.2,3.2 **¶635691580**
SNET XI 11 15 58 35.4 13N–1.0 88W–1.0 41–7 3.5,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC XI 13 10 21 40.6–1.3 11.51N–.04 86.51W–.04 60–8 239 0-12
UCR XI 13 10 21 40.1–.98 11.58N 86.46W 70–8 3.7W **¶635691706**
CATAC XI 13 10 21 40.1–.26 11N–2.0 87W–2.0 43–3 3.8,3.8
SNET XI 13 10 21 46.0 12N–8.0 87W–8.0 46–22 3.8,3.8
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC XI 14 00 19 41.1–1.4 11.09N–.04 86.55W–.03 10–10 115 1-4
UCR XI 14 00 19 40.1–.93 11.16N 86.58W 0–6 3.6W **¶626091212**
SNET XI 14 00 19 40.4–2.6 11N–19 87W–12 10 3.7,3.7
CATAC XI 14 00 19 41.4–.41 11N–2.0 87W–2.0 14–2 3.2,3.2
ISC Event type se.
UCR Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC XI 17 08 40 43.5–1.0 12.01N–.04 87.98W–.03 22–8 203 1-4
CATAC XI 17 08 40 41.5–.43 12N–2.0 88W–1.0 22–4 3.5,3.5 **¶635692024**
SNET XI 17 08 40 42.5–4.1 12N–32 88W–12 10 4.0,4.0
GCG XI 17 08 40 45.5–1.7 12.13N 87.95W 35–999 4.1,4.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.0km s-min=2.2km az=28.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.

ISC XI 16 06 16 24.7–1.4 11.94N–.04 87.38W–.03 24–13 155 1-3
CATAC XI 16 06 16 24.3–.38 12N–2.0 87W–1.0 24–2 3.4,3.4 **¶635691904**
SNET XI 16 06 16 24.3 11.9N–.90 87.4W–.90 29–1 3.9,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC XI 14 17 01 15.7–1.4 11.35N–.04 87.06W–.04 15–9 155 1-4
CATAC XI 14 17 01 13.5–.31 11N–2.0 87W–2.0 15 4.0,4.0 **¶635691730**
UCR XI 14 17 01 15.7–.90 11.34N 87.08W 25–999 4.2W,4.0
SNET XI 14 17 01 16.7 11N–3.0 87W–3.0 83–7 4.0L,4.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC XI 19 13 36 09.9–1.3 11.42N–.03 86.81W–.04 28–12 159 0-3
UCR XI 19 13 36 07.6–.71 11.35N 86.85W 8–25 3.9W **¶626091255**
CATAC XI 19 13 36 08.6–.34 11N–1.0 87W–1.0 23–2 3.5,3.5
SNET XI 19 13 36 09.8 11N–3.0 87W–3.0 13–3 4.8b,4.8b
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.

ISC XI 18 16 13 38.3–6.4 11.27N–.07 86.93W–.06 37–7 64 1-3
CATAC XI 18 16 13 37.2–.43 11N–3.0 87W–2.0 24 3.2,3.2 **¶626091251**
SNET XI 18 16 13 44.6 12N–4.0 87W–4.0 60–4 3.8,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC XI 25 00 04 55.1–1.4 11.53N–.04 86.95W–.03 25–13 147 1-2
CATAC XI 25 00 04 54.5–.34 12N–2.0 87W–1.0 28–2 3.3,3.3 **¶635692603**
SNET XI 25 00 04 56.5 12N–3.0 87W–3.0 46–12 3.5,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC XI 23 23 37 28.8–2.3 12.4N–.10 87.87W–.10 47–30 40 1-2
CATAC XI 23 23 37 29.9 12N–1.0 88W–1.0 57–3 3.3,3.3 **¶635692325**
SNET XI 23 23 37 30.2 13N–2.0 88W–2.0 52–3 3.8,3.6
ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XI 21 20 11 24.5–1.4 11.10N–.04 86.63W–.04 17–9 157 1-4
CATAC XI 21 20 11 24.9–.39 11N–2.0 87W–2.0 26–3 3.6,3.6 **¶626091265**
SNET XI 21 20 11 24.7–2.1 11N–14 87W–11 10 3.9,3.9
UCR XI 21 20 11 25.7–1.1 11.16N 86.62W 20–7 4.0W,3.9
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.9km s-min=3.0km az=40.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
UCR Event type se. Error ellipse: s-maj=8.0km s-min=6.2km az=-1.0. Presumed earthquake.
ISC XI 22 09 49 19.0–1.5 12.57N–.07 87.81W–.05 63–9 103 0-2
CATAC XI 22 09 49 17.9–.36 12N–2.0 88W–2.0 29 2.8,2.8 **¶635692313**
SNET XI 22 09 49 19.0 13N–1.0 88W–1.0 63–2 2.7,2.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XI 23 17 48 35.2–1.4 11.23N–.05 86.73W–.05 49–23 180 1-2
CATAC XI 23 17 48 32.8–.27 11N–2.0 87W–1.0 25 3.6,3.6 **¶626091276**
UCR XI 23 17 48 33.8–1.3 11.27N 86.72W 19–12 4.4W,3.6
SNET XI 23 17 48 35.0 11N–3.0 87W–3.0 67–8 3.7,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XI 29 03 45 16.8–2.9 11.00N–.04 86.40W–.05 19–7 101 1-2
CATAC XI 29 03 45 17.1–.43 11N–2.0 86W–2.0 25–2 3.1,3.1 **¶626091307**
UCR XI 29 03 45 17.2–.62 11.03N 86.39W 18–10 3.7W,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.5km s-min=2.9km az=42.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.9km s-min=4.4km az=-1.0. Presumed earthquake.
ISC XII 03 23 45 01.0–2.4 11.56N–.09 86.98W–.07 34–3 56 1-2
CATAC XII 03 23 45 00.0–.56 12N–4.0 87W–3.0 34–5 3.4,3.4 **¶625381053**
SNET XII 03 23 45 01.9 12N–1.0 87W–1.0 49–3 3.6,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 01 09 36 43.6–1.7 12.27N–.06 87.87W–.04 18–5 68 1-2
CATAC XII 01 09 36 43.2–.43 12N–2.0 88W–2.0 12–2 2.9,2.9 **¶625380968**
SNET XII 01 09 36 44.2 12N–5.0 88W–5.0 25–3 3.7,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 04 03 15 32.1–2.2 11.13N–.08 86.54W–.07 20–4 67 1-1
CATAC XII 04 03 15 31.0–.53 11N–3.0 87W–3.0 23–4 3.5,3.5 **¶625381193**
SNET XII 04 03 15 32.6 11N–3.0 87W–3.0 23–3 3.6,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 04 09 32 44.3–1.6 12.12N–.06 87.86W–.04 25–13 114 1-3
CATAC XII 04 09 32 44.5–.39 12N–2.0 88W–1.0 26–3 3.5,3.5 **¶625381161**
SNET XII 04 09 32 45.9 12N–2.0 88W–2.0 32–2 3.9,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 06 19 48 17.4–2.4 11.9N–.10 87.96W–.07 33–6 53 1-2
CATAC XII 06 19 48 20.6–.61 12N–3.0 88W–2.0 26–4 3.1,3.1 **¶625381292**
SNET XII 06 19 48 25.3–2.3 12N–19 88W–10 28–10 3.5,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 06 03 17 35.4–1.5 12.44N–.05 87.87W–.04 33–5 82 1-4
CATAC XII 06 03 17 36.1–.40 12N–3.0 88W–2.0 34–3 3.1,3.1 **¶625381315**
SNET XII 06 03 17 43.0 13N–4.0 88W–4.0 56–6 3.3,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 05 00 47 06.8–.50 11.20N–.03 86.58W–.03 50–4 4.8b 488 1-150
CATAC XII 05 00 47 05.3–.23 11N–1.0 87W–1.0 14–1 6.0b,5.6b **¶625381286**
SNET XII 05 00 47 05.7–.67 11N–3.0 87W–3.0 15–5 5.0,4.9
UCR XII 05 00 47 05.5–.85 11.30N 86.53W 6–10 5.2W,4.9
NEIC XII 05 00 47 07.2–1.3 11.21N–.05 86.57W–.05 48–5 4.8b,4.9
GFZ XII 05 00 47 07.7–.30 11N–4.0 87W–4.0 47–2 5.0,4.9
IDC XII 05 00 47 07.9–1.3 11.53N 86.22W 53–12 4.4,4.1b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=2.7km s-min=1.8km az=44.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.36 $M_{\theta\theta}$1.34 $M_{\phi\phi}$0.02 $M_{r\theta}$7.61 $M_{\theta\phi}$2.56 $M_{\phi r}$-4.74 NP1:ϕ_s30.49348° ,δ13.20776°,λ-175.74306°. NP2:ϕ_s296.34876°,δ89.02821°,λ-76.82740°. Principal axes: T 7.9177,Plg42.5637°,Azm13.7112°; N 2.5074,Plg13.1707°,Azm116.1213° ; P -10.4251,Plg44.4587°,Azm219.3965° $M_0$9.42497×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.55 $M_{\theta\theta}$1.54 $M_{\phi\phi}$0.02 $M_{r\theta}$7.48 $M_{\theta\phi}$2.48 $M_{\phi r}$-4.87 NP1: ϕ_s33.77087°,δ13.26090°,λ-173.30409°. NP2:ϕ_s297.25195°,δ88.46737°,λ-76.82639°. Principal axes: T 7.8552,Plg42.0161°,Azm14.7246°; N 2.5535,Plg13.1688°,Azm116.8933° ; P -10.4086,Plg45.0047°,Azm220.4267° $M_0$9.39584×10^{15}
SNET Error ellipse: s-maj=9.0km s-min=4.6km az=41.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.3km s-min=5.4km az=51.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=24.4km s-min=8.0km az=54.0.
ISC XII 05 10 39 22.1–1.2 12.26N–.04 87.70W–.03 29–11 149 0-3
SNET XII 05 10 39 22.5–.83 12N–6.0 88W–4.0 31–5 3.7,3.4 **¶625381236**
CATAC XII 05 10 39 22.7–.23 12N–2.0 88W–1.0 35–2 3.2,3.2
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 05 13 19 34.5–.90 12.50N–.05 87.84W–.03 53–7 4.2b 191 0-139
CATAC XII 05 13 19 33.8–.34 12N–2.0 88W–1.0 30–3 4.1,4.1 **¶625381210**
SNET XII 05 13 19 34.6 13N–1.0 88W–1.0 51–2 4.2,4.2
NEIC XII 05 13 19 36.3–1.2 12.65N–.07 87.80W–.05 52–7 4.3b,4.2
IDC XII 05 13 19 39.7–2.1 12.89N 87.72W 93–21 3.8,3.4b
GCG XII 05 13 19 40.2–2.6 12.89N 88.16W 15–568 4.2,3.4b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.4km s-min=1.7km az=28.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=4.5km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.3km s-min=16.8km az=55.0.
GCG Event type se. Error ellipse: s-maj=296.0km s-min=243.3km az=-1.0. Presumed earthquake.
ISC XII 05 23 15 04.9–1.3 11.74N–.03 87.81W–.03 13–7 4.5b 225 1-149
CATAC XII 05 23 15 03.6–.40 12N–2.0 88W–2.0 12–3 4.0,4.0 **¶621613010**
IDC XII 05 23 15 04.2–1.1 12.13N 87.50W 0 3.9b,3.8
SNET XII 05 23 15 05.6–1.3 12N–12 88W–3.0 10 4.1,4.1
NEIC XII 05 23 15 05.8–1.5 11.83N–.07 87.75W–.06 10–1 4.5b,4.1
UCR XII 05 23 15 17.2–1.4 10.94N 87.51W 20–841 4.0W,4.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=29.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=48.0km s-min=12.8km az=43.0.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.9km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=101.2km s-min=521.6km az=-1.0. Presumed earthquake.
ISC XII 08 15 00 20.1–1.4 11.11N–.04 86.62W–.04 29–10 3.8b 136 1-68
IDC XII 08 15 00 13.3–1.6 11.25N 85.86W 0 3.8b,3.8 **¶625381387**
UCR XII 08 15 00 20.3–.62 11.11N 86.62W 22–4 4.5W,3.8
CATAC XII 08 15 00 21.1–.36 11N–2.0 87W–2.0 31–4 3.8,3.8
SNET XII 08 15 00 24.1 11N–1.0 87W–1.0 29–1 4.0,4.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 07 08 54 45.0–.93 12.48N–.04 87.85W–.03 48–10 4.3b 233 0-38
CATAC XII 07 08 54 44.6–.20 12N–1.0 87.8W–.90 34–2 4.1,4.1 **¶625381358**
SNET XII 07 08 54 44.7 12.5N–.70 87.8W–.70 35–11 4.2,4.2
NEIC XII 07 08 54 45.3–.49 12.50N–.08 87.86W–.05 49–22 4.3b,4.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 07 22 24.6–1.9 12.13N–.07 87.86W–.04 25–13 66 1-2
CATAC XII 08 07 22 24.5–.53 12N–3.0 88W–2.0 28–3 2.9,2.9 **¶625381433**
SNET XII 08 07 22 25.7 12N–4.0 88W–4.0 56–15 3.6,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 10 04 57 28.1–1.4 12.31N–.04 87.26W–.03 63–6 144 0-2
SNET XII 10 04 57 27.3–.97 12N–9.0 87W–7.0 40–10 3.5,3.3 **¶625355943**
CATAC XII 10 04 57 28.4–.19 12N–1.0 87W–1.0 42–2 3.1,3.1
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 14 07 42 56.2–1.8 12.08N–.06 87.73W–.05 20–5 83 1-2
CATAC XII 14 07 42 55.6–.47 12N–2.0 88W–2.0 12–3 3.1,3.1 **¶625356285**
SNET XII 14 07 42 59.0 12N–4.0 88W–4.0 20–2 3.5,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
ISC XII 13 10 40 39.0–1.8 12.06N–.06 87.94W–.05 10–10 79 1-2
CATAC XII 13 10 40 39.9–.46 12N–2.0 88W–2.0 10–2 3.5,3.5 **¶625356170**
SNET XII 13 10 40 44.5 12N–2.0 88W–2.0 5–3 3.9,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
ISC XII 13 21 45 33.5–1.1 12.14N–.04 87.76W–.03 19–3 3.6b 109 1-66
IDC XII 13 21 45 30.9–1.3 12.29N 87.60W 0 3.6b,3.5 **¶625356122**
CATAC XII 13 21 45 34.0–.43 12N–2.0 88W–1.0 19–3 4.0,4.0
SNET XII 13 21 45 35.2 12N–2.0 88W–2.0 20–2 4.1,4.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 12 18 48 58.6–1.8 11.83N–.05 87.74W–.04 17–11 3.7b,3.7s 75 1-149
IDC XII 12 18 48 56.4–1.3 12.39N 87.23W 0 3.8s,3.7b **¶625356049**
CATAC XII 12 18 48 57.6–.85 12N–4.0 88W–3.0 17–8 3.8,3.8
SNET XII 12 18 49 00.6 12N–1.0 88W–1.0 12–2 4.3,4.1
UCR XII 12 18 49 01.0–1.0 11.89N 87.65W 26–44 4.3W,4.1
ISC Event type se.
IDC Error ellipse: s-maj=73.1km s-min=14.1km az=47.0.
CATAC Event type se. Error ellipse: s-maj=10.3km s-min=4.9km az=32.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
UCR Event type se. Error ellipse: s-maj=6.6km s-min=23.7km az=-1.0. Presumed earthquake.
ISC XII 12 19 29 09.6–2.0 11.70N–.06 86.05W–.06 195–11 120 0-3
CATAC XII 12 19 29 09.4–.39 12N–4.0 86W–4.0 189–2 3.2,3.2 **¶625356048**
UCR XII 12 19 29 09.7–.59 11.60N 86.20W 188–19 3.9W,3.2
SNET XII 12 19 29 10.2 12N–5.0 86W–5.0 183–9 5.0b,5.0b
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
ISC XII 15 05 37 16.3–1.6 11.07N–.05 86.91W–.05 29–13 124 1-4
CATAC XII 15 05 37 15.8–.48 11N–2.0 87W–2.0 28–5 3.3,3.3 **¶625356312**
UCR XII 15 05 37 15.9–1.3 11.04N 86.89W 31–999 3.9W,3.3
SNET XII 15 05 37 20.7–1.3 11N–13 87W–14 84–23 3.3,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 17 11 50 50.7–1.3 12.75N–.05 87.94W–.04 68–8 117 0-2
CATAC XII 17 11 50 50.8–.24 13N–2.0 88W–1.0 38–2 3.5,3.5 **¶625356431**
SNET XII 17 11 50 50.5 12.8N–1.0 87.9W–1.0 71–1 3.6,3.5
GCG XII 17 11 50 51.4–.34 12.87N 88.17W 121–26 3.8,3.5
ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=5.2km s-min=1.6km az=30.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=14.7km s-min=16.1km az=-1.0. Presumed earthquake.

ISC XII 15 16 25 15.7–3.0 11.5N–.10 87.43W–.08 74–22 56 1-2
CATAC XII 15 16 25 12.5–.49 11N–4.0 88W–3.0 71–12 3.4,3.4 **¶625356305**
SNET XII 15 16 25 21.1–1.1 12N–9.0 87W–4.0 10 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC XII 20 05 45 42.0–1.4 12.20N–.05 87.86W–.03 26–13 138 1-3
CATAC XII 20 05 45 42.3–.34 12N–2.0 88W–1.0 27–2 3.2,3.2 **¶625356763**
SNET XII 20 05 45 42.5 12N–1.0 88W–1.0 27–1 3.7,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC XII 20 17 30 11.5–1.7 12.61N–.08 87.96W–.06 55–12 56 1-2
CATAC XII 20 17 30 11.7–.45 13N–3.0 88W–2.0 33–3 3.1,3.1 **¶625356723**
SNET XII 20 17 30 11.7 13N–5.0 88W–5.0 61–4 3.4,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC XII 21 18 00 55.2–1.8 11.70N–.07 87.95W–.04 16–10 46 1-3
CATAC XII 21 18 00 57.4–.74 12N–3.0 88W–4.0 20–9 3.5,3.5 **¶625356796**
SNET XII 21 18 01 07.2 12N–4.0 88W–4.0 20–5 3.7,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC XII 21 13 13 38.6–1.6 12.29N–.07 87.96W–.04 21–5 58 1-2
CATAC XII 21 13 13 37.8–.58 12N–3.0 88W–2.0 19–4 3.4,3.4 **¶625356801**
SNET XII 21 13 13 41.7 12N–2.0 88W–2.0 35–410 3.6,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC XII 22 20 37 00.6–1.8 11.25N–.06 87.01W–.07 31–14 38 1-4
CATAC XII 22 20 36 55.0–.95 11N–5.0 87W–5.0 7–8 3.8,3.8 **¶625356886**
SNET XII 22 20 37 07.1 12N–1.0 87W–1.0 35–2 3.5,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC XII 22 14 46 14.5–2.7 11.12N–.06 87.79W–.05 22–22 73 1-5
SNET XII 22 14 46 14.0–1.2 11N–10 88W–4.0 15–17 4.2b,4.2b **¶625356928**
CATAC XII 22 14 46 14.2–.63 11N–3.0 88W–3.0 28–7 5.0b,4.8b
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC XII 25 04 05 33.4–1.9 11.14N–.07 86.65W–.06 31–12 95 1-2
CATAC XII 25 04 05 32.8–.38 11N–2.0 87W–2.0 31–4 3.1,3.1 **¶625357156**
SNET XII 25 04 05 33.2–1.7 11N–11 87W–9.0 10 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC XII 23 01 17 48.6–1.2 11.23N–.03 87.12W–.03 30–9 4.4b 272 1-150
IDC XII 23 01 17 46.8–1.1 11.85N 86.89W 0 3.9b,3.9 **¶625357001**
CATAC XII 23 01 17 48.6–.28 11N–1.0 87.1W–.90 36–6 4.2,4.2
SNET XII 23 01 17 48.6 11.3N–.90 87.2W–.90 31–2 4.5,4.5
NEIC XII 23 01 17 51.4–1.4 11.42N–.05 87.03W–.02 35–2 4.5b,4.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 23 23 57 08.8–1.9 12.3N–.10 88.0W–.10 76–14 3.4b 18 1-54
CATAC XII 23 23 56 59.4–.98 12N–5.0 88W–4.0 10–7 2.9,2.9 **¶621686850**
IDC XII 23 23 57 03.8–2.2 12.98N 87.54W 0 3.4b,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.5km s-min=7.6km az=36.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=119.8km s-min=21.4km az=53.0.

ISC XII 24 00 50 23.9–1.1 12.03N–.03 87.92W–.02 29–8 4.4b,3.4s 336 1-149
IDC XII 24 00 50 21.7–.84 12.58N 87.48W 0 4.0b,4.0 **¶625357099**
CATAC XII 24 00 50 23.7–.27 12N–1.0 87.9W–.90 12–1 4.2,4.2
SNET XII 24 00 50 24.9–2.2 12N–12 88W–8.0 20–14 4.3,4.3
UCR XII 24 00 50 24.2–.66 12.39N 87.81W 111–14 4.5W,4.3
NEIC XII 24 00 50 26.9–1.2 12.14N–.06 87.83W–.06 48–11 4.4b,4.3
GCG XII 24 00 50 29.4–3.1 12.21N 88.05W 36–999 4.8,4.3
ISC Event type se.
IDC Error ellipse: s-maj=42.2km s-min=10.3km az=47.0.
CATAC Event type se. Error ellipse: s-maj=2.9km s-min=1.4km az=31.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
UCR Event type se. Error ellipse: s-maj=15.5km s-min=10.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.9km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=117.4km s-min=146.2km az=-1.0. Presumed earthquake.

ISC XII 22 20 24 02.1–1.7 11.27N–.06 87.02W–.05 16–9 78 1-3
CATAC XII 22 20 24 01.3–.63 11N–4.0 87W–3.0 30–9 3.6,3.6 **¶625356899**
SNET XII 22 20 24 04.4–1.2 11N–8.0 87W–6.0 5 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC XII 23 18 25 19.7–1.5 11.69N–.04 87.85W–.03 16–8 3.5b 147 1-149
CATAC XII 23 18 25 20.5–.39 12N–2.0 88W–1.0 23–4 4.0,4.0 **¶621686840**
SNET XII 23 18 25 20.0–.80 12N–5.0 88W–3.0 7–6 4.3,4.2
IDC XII 23 18 25 20.8–1.6 12.40N 87.17W 0 3.6b,3.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.9km s-min=2.1km az=30.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET Error ellipse: s-maj=11.8km s-min=4.6km az=22.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=69.9km s-min=15.6km az=52.0.

ISC XII 25 09 23 09.5–1.9 11.10N–.06 86.60W–.08 26–15 51 1-3
CATAC XII 25 09 23 10.4–.71 11N–4.0 87W–4.0 28–5 2.9,2.9 **¶625357151**
SNET XII 25 09 23 12.5–1.2 11N–10 86W–14 53–19 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC XII 28 12 16 52.3–1.9 11.74N–.07 87.34W–.06 20–4 66 1-2
CATAC XII 28 12 16 51.1–.51 12N–2.0 87W–2.0 22–4 3.4,3.4 **¶625357321**
SNET XII 28 12 16 55.7 12N–2.0 87W–2.0 15–2 3.6,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC XII 25 08 37 05.1–1.8 11.19N–.07 86.53W–.08 31 38 1-2
CATAC XII 25 08 37 03.6–.80 11N–5.0 87W–4.0 24–5 2.9,2.9 **¶625357152**
SNET XII 25 08 37 07.0 11.4N–1.0 86.5W–1.0 12–1 3.7,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC XII 30 00 18 33.6–1.4 12.26N–.05 87.90W–.04 54–16 148 1-2
CATAC XII 30 00 18 33.9–.26 12N–2.0 88W–1.0 38–3 3.8,3.8 **¶625357485**
SNET XII 30 00 18 33.3–.65 12N–5.0 88W–3.0 33–11 4.0,3.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC XII 31 07 08 18.3–1.7 12.06N–.07 87.86W–.04 34–3 85 1-3
CATAC XII 31 07 08 15.0–.57 12N–2.0 88W–2.0 17–5 3.5,3.5 **¶625357614**
GCG XII 31 07 08 17.7–3.1 12.05N 88.06W 125–287 3.8,3.5
SNET XII 31 07 08 20.2–1.2 12N–10 88W–7.0 30–9 3.7,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

(75) Nicaragua.

ISC VII 12 23 05 48.3–.94 11.01N–.04 85.94W–.05 66–6 142 0-140
IDC VII 12 23 05 39.6–3.2 10.33N 86.56W 0 3.7b,3.7 **¶620928509**
UCR VII 12 23 05 47.8–.81 11.02N 85.93W 62–4 3.8W,3.7
CATAC VII 12 23 05 48.6–.42 11N–4.0 86W–3.0 44–3 3.8,3.8
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC VII 17 12 38 18.0–1.6 11.28N–.05 85.98W–.05 85–8 91 0-1
CATAC VII 17 12 38 18.3–.34 11N–3.0 86W–3.0 65–3 3.5,3.5 **¶625300211**
UCR VII 17 12 38 18.2–.75 11.29N 86.01W 70–5 3.7W,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.9km s-min=3.0km az=39.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=4.5km s-min=6.9km az=-1.0. Presumed earthquake.

ISC VII 21 05 02 00.7–2.1 11.43N–.07 85.92W–.09 171–12 82 0-3
CATAC VII 21 05 02 00.4–.53 11N–4.0 86W–6.0 166–3 2.7,2.7 **¶625300260**
UCR VII 21 05 02 02.3–.80 11.43N 85.87W 146–18 3.5W,2.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=13.6km s-min=7.7km az=62.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=9.6km s-min=11.0km az=-1.0. Presumed earthquake.

ISC VII 21 13 06 07.7–1.5 12.16N–.05 86.82W–.04 95–7 104 0-3
CATAC VII 21 13 06 07.6–.30 12N–3.0 87W–2.0 81–2 2.8,2.8 **¶625300264**
UCR VII 21 13 06 07.8–1.0 11.91N 87.05W 70–58 3.5W,2.8
SNET VII 21 13 06 10.4–.95 12N–6.0 87W–5.0 68–9 3.2,2.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC VIII 06 23 35 36.3–1.2 11.06N–.02 83.72W–.03 8–10 74 1-2
UCR VIII 06 23 35 37.7–.77 11.06N 83.72W 13–11 3.7W **¶625300425**
CATAC VIII 06 23 35 38.0–.33 11N–1.0 84W–2.0 1 2.9,2.9
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

CATAC VII 28 10 26 30.9–.18 12N–1.0 85.7W–1.0 10–1 1.8,1.8
SNET VII 28 10 26 21.5–2.9 13N–9.0 88W–15 110–30 3.1,3.1 **¶626089338**
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC VIII 13 04 21 07.5–1.3 11.24N–.03 85.91W–.04 83–6 204 0-3
UCR VIII 13 04 21 07.2–.81 11.25N 85.94W 77–3 3.9W **¶621071618**
CATAC VIII 13 04 21 08.2–.18 11N–2.0 86W–2.0 65–2 3.4,3.4
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC X 18 22 13 29.4–2.8 11.53N–.07 85.80W–.10 169–16 53 0-3
UCR X 18 22 13 30.3–.77 11.35N 85.90W 168–5 4.3W **¶625708066**
CATAC X 18 22 13 31.2–.59 12N–4.0 86W–5.0 150–4 2.0,2.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC X 16 23 41 37.9–2.0 11.26N–.05 85.64W–.06 160–10 115 0-3
UCR X 16 23 41 37.1–.55 11.18N 85.70W 165–2 3.7W **¶625707908**
CATAC X 16 23 41 38.9–.67 11N–4.0 86W–4.0 146–4 2.3,2.3
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC VIII 14 01 07 32.9–1.2 12.78N–.03 83.75W–.02 12–11 68 1-4
CATAC VIII 14 01 07 34.7–.26 13N–2.0 84W–2.0 1 3.6,3.6 **¶625172015**
RSNC VIII 14 01 07 34.8–.30 13N–3.0 84W–2.0 0 2.6L,3.6
UCR VIII 14 01 07 36.5–.60 12.77N 83.70W 10–11 3.7W,3.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=3.9km s-min=3.2km az=57.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=5.9km s-min=15.6km az=-1.0. Presumed earthquake.

ISC VIII 23 11 50 18.6–1.4 11.10N–.04 85.73W–.04 107–7 118 0-4
UCR VIII 23 11 50 17.8–.42 11.12N 85.70W 111–7 3.6W **¶625300574**
CATAC VIII 23 11 50 19.3–.25 11N–2.0 86W–2.0 92–2 3.2,3.2
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC X 17 09 28 29.8–.90 12.70N–.02 86.85W–.02 5–6 60 0-26
CATAC X 17 09 28 29.3–.26 13N–1.0 87W–1.0 6–1 2.4,2.4 **¶625379551**
SNET X 17 09 28 29.3 13N–1.0 87W–1.0 4–1 2.7,2.7
ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**29 15 51 42.3–1.4**	**12.00N–.04**	**86.64W–.04**	**82–6**		**161**	**0-4**	
CATAC	X	29 15 51 42.0–.21	12N–2.0	87W–2.0	68–1	3.1,3.1			**¶625380546**
SNET	X	29 15 51 41.4–2.1	12N–15	87W–15	74–25	3.1,3.1			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**28 02 57 47.7–1.5**	**11.63N–.04**	**85.97W–.04**	**180–8**		**209**	**0-5**	
CATAC	X	28 02 57 47.9–.26	12N–2.0	86W–2.0	172–1	3.0,3.0			**¶625380419**
UCR	X	28 02 57 48.0–.59	10.92N	86.98W	13–12	3.6W,3.0			
SNET	X	28 02 57 49.2–.76	12N–6.0	86W–7.0	158–7	3.4,3.4			
GCG	X	28 02 58 41.2–1.7	13.80N	89.19W	22–16	2.8,3.4			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=5.3km s-min=2.7km az=42.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=10.0km s-min=9.2km az=-1.0. Presumed earthquake.
SNET Error ellipse: s-maj=17.0km s-min=8.1km az=53.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=14.9km s-min=24.9km az=-1.0. Presumed earthquake.

ISC	**X**	**26 02 01 01.0–1.9**	**11.38N–.06**	**85.77W–.06**	**192–11**		**126**	**0-2**	
CATAC	X	26 02 01 01.6–.32	11N–3.0	86W–3.0	184–2	2.8,2.8			**¶625708701**
UCR	X	26 02 01 01.5–.47	11.27N	85.86W	186–2	3.6W,2.8			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=8.5km s-min=2.9km az=47.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=5.8km s-min=8.9km az=-1.0. Presumed earthquake.

SNET	**XI**	**12 11 08 50.4–3.1**	**12N–18**	**87W–15**	**154–51**	**3.6,3.6**			**¶635691647**

SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XI**	**04 04 33 18.3–1.3**	**12.13N–.04**	**86.52W–.04**	**155–6**		**272**	**0-4**	
UCR	XI	04 04 33 15.3–1.2	11.33N	87.33W	4–8	3.6W			**¶635690659**
CATAC	XI	04 04 33 17.3–.30	12N–2.0	87W–2.0	154–1	3.0,3.0			
SNET	XI	04 04 33 17.6	11.8N–.90	86.8W–.90	1–0	3.8,3.8			

ISC Event type se.

UCR Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XII**	**01 08 13 24.7–.77**	**12.19N–.02**	**86.27W–.03**	**15–3**		**81**	**0-2**	
SNET	XII	01 08 13 17.3–1.9	12N–13	87W–14	10	3.5,3.5			**¶625380980**
CATAC	XII	01 08 13 25.3–.19	12.2N–1.0	86W–1.0	7–1	2.4,2.4			

ISC Event type se.

SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**29 15 08 21.7–1.7**	**12.14N–.06**	**87.00W–.05**	**61–9**		**73**	**0-2**	
CATAC	XI	29 15 08 20.1–.44	12N–4.0	87W–3.0	52–5	3.2,3.2			**¶626091309**
SNET	XI	29 15 08 26.0–.51	12N–4.0	87W–3.0	19–5	3.0,3.0			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XI**	**24 04 58 38.6–1.2**	**12.45N–.05**	**86.97W–.04**	**150–6**		**163**	**0-12**	
CATAC	XI	24 04 58 39.2–.28	12N–3.0	87W–2.0	141–2	2.7,2.7			**¶635692590**
SNET	XI	24 04 58 39.1	12.5N–1.0	87.0W–1.0	148–1	3.1,3.1			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC	**XI**	**25 06 34 47.4–.76**	**12.70N–.02**	**86.94W–.01**	**11–4**		**149**	**0-2**	
CATAC	XI	25 06 34 47.3–.12	12.7N–.90	87.0W–.70	6–1	2.9,2.9			**¶635692599**
SNET	XI	25 06 34 47.3	12.7N–.90	86.9W–.90	5–1	3.9,3.3			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC	**XII**	**24 18 41 39.6–1.7**	**12.02N–.06**	**86.64W–.06**	**90–8**		**66**	**0-3**	
CATAC	XII	24 18 41 39.6–.37	12N–3.0	87W–3.0	79–2	3.2,3.2			**¶625357026**
SNET	XII	24 18 41 40.6–.57	12N–5.0	87W–4.0	64–7	3.9,3.9			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XII**	**09 14 25 20.4–1.8**	**11.30N–.04**	**85.61W–.05**	**154–10**		**94**	**0-3**	
UCR	XII	09 14 25 18.7–1.1	11.28N	85.78W	156–6	3.7W			**¶626091359**
CATAC	XII	09 14 25 19.1–.47	11N–3.0	86W–3.0	157–3	2.7,2.7			

ISC Event type se.

UCR Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**30 11 40 19.1–2.0**	**11.50N–.07**	**85.93W–.08**	**186–11**		**54**	**0-3**	
UCR	XII	30 11 40 18.8–.57	11.52N	85.93W	186–4	3.9W			**¶626091487**
CATAC	XII	30 11 40 19.7–.50	11N–5.0	86W–5.0	175–3	2.9,2.9			

ISC Event type se.

UCR Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**29 19 55 55.2–2.0**	**12.40N–.05**	**86.94W–.04**	**153–10**		**137**	**0-2**	
CATAC	XII	29 19 55 55.0–.28	12N–2.0	87W–2.0	144–1	3.2,3.2			**¶625357394**
SNET	XII	29 19 55 57.0–2.4	12N–13	87W–11	124–24	3.1,3.1			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

(76) Off coast of central America.

ISC	**VII**	**02 11 25 23.2–2.9**	**12.01N–.09**	**88.40W–.06**	**12–13**		**42**	**1-3**	
CATAC	VII	02 11 25 23.1–.60	12N–3.0	88W–2.0	14–4	3.1,3.1			**¶625365131**
SNET	VII	02 11 25 27.6	12N–8.0	88W–8.0	10–14	3.6,3.3			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VII**	**02 18 06 57.5–3.4**	**12.9N–.20**	**89.69W–.09**	**43**		**10**	**1-2**	
SNET	VII	02 18 06 58.1	13N–3.0	90W–3.0	25–3	3.4,3.4			**¶625365115**
GCG	VII	02 18 07 00.8–.72	13.11N	90.03W	19–16	3.9,3.4			

ISC Event type se.

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.2km s-min=37.4km az=-1.0. Presumed earthquake.

ISC	**VII**	**03 11 01 16.3–1.3**	**12.81N–.07**	**88.67W–.04**	**42–36**		**92**	**1-3**	
CATAC	VII	03 11 01 16.3–.36	13N–3.0	89W–2.0	39–6	3.1,3.1			**¶625365150**
SNET	VII	03 11 01 16.7	13N–1.0	89W–1.0	52–2	3.5,3.4			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VII**	**04 09 34 50.5–1.4**	**12.56N–.05**	**88.05W–.03**	**3–10**		**75**	**1-2**	
CATAC	VII	04 09 34 54.4–.35	13N–2.0	88W–2.0	34–3	3.0,3.0			**¶625365218**
SNET	VII	04 09 34 56.1	13N–7.0	88W–7.0	31–11	3.1,3.0			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.01 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$0.43 $M_{r\theta}$-2.45 $M_{\theta\phi}$-2.54 $M_{\phi r}$4.46 NP1:ϕ_s160.84620°,δ85.54054°,λ-72.06789°. NP2:ϕ_s264.35654°,δ18.46059°,λ-165.78571°. Principal axes: T 6.4774,Plg38.0057°,Azm234.8067°; N -2.2352,Plg17.8760°,Azm339.4048°; P -4.2422,Plg46.5271°,Azm89.2937° $M_0$5.69868×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.31 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-0.22 $M_{r\theta}$0.02 $M_{\theta\phi}$-1.71 $M_{\phi r}$5.45 NP1:ϕ_s0.83836°,δ88.47593°,λ72.63797°. NP2:ϕ_s265.97602°,δ17.42674°,λ174.90495°. Principal axes: T 5.7375,Plg43.9045°,Azm253.8090°; N -0.0418,Plg17.3557°,Azm1.3148°; P -5.6957,Plg40.9837°,Azm107.0698° $M_0$5.71673×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.01 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$0.43 $M_{r\theta}$-2.45 $M_{\theta\phi}$-2.54 $M_{\phi r}$4.46 NP1:ϕ_s160.84620°,δ85.54054°,λ-72.06789°. NP2:ϕ_s264.35654°,δ18.46059°,λ-165.78571°. Principal axes: T 6.4774,Plg38.0057°,Azm234.8067°; N -2.2352,Plg17.8760°,Azm339.4048°; P -4.2422,Plg46.5271°,Azm89.2937° $M_0$5.69868×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.31 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-0.22 $M_{r\theta}$0.02 $M_{\theta\phi}$-1.71 $M_{\phi r}$5.45 NP1:ϕ_s0.83836°,δ88.47593°,λ72.63797°. NP2:ϕ_s265.97602°,δ17.42674°,λ174.90495°. Principal axes: T 5.7375,Plg43.9045°,Azm253.8090°; N -0.0418,Plg17.3557°,Azm1.3148°; P -5.6957,Plg40.9837°,Azm107.0698° $M_0$5.71673×10^{17}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VII**	**04 17 57 05.2–1.2**	**2.34N–.10**	**84.7W–.10**	**10**	**3.9b,3.6s**	**20**	**7-76**	
IDC	VII	04 17 57 01.4–1.1	1.93N	84.83W	0	4.0,3.8b			**¶620927892**
UCR	VII	04 17 57 12.1–1.2	2.86N	84.53W	0–999	3.8W,3.8b			

ISC Event type se.

IDC Error ellipse: s-maj=31.1km s-min=18.1km az=60.0.

UCR Event type se. Error ellipse: s-maj=999.9km s-min=65.5km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 06 20 35.2–1.6**	**12.11N–.05**	**88.20W–.04**	**5–11**		**95**	**1-7**	
CATAC	VII	05 06 20 35.1–.74	12N–4.0	88W–4.0	22–12	3.5,3.5			**¶625365347**
SNET	VII	05 06 20 37.2	12N–3.0	88W–3.0	20–3	3.8,3.8L			
UCR	VII	05 06 20 42.5–1.1	10.78N	88.21W	0–631	3.6W,3.8L			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=12.4km s-min=4.5km az=44.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
UCR Event type se. Error ellipse: s-maj=307.5km s-min=999.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 06 27 16.3–1.6**	**12.05N–.05**	**88.20W–.04**	**23–15**		**99**	**1-5**	
SNET	VII	05 06 27 15.4–2.4	12N–14	88W–7.0	6–12	3.9,3.5			**¶625365338**
CATAC	VII	05 06 27 16.1–.58	12N–3.0	88W–2.0	29–6	3.3,3.3			
UCR	VII	05 06 27 20.7–.98	12.18N	87.82W	23–12	3.5W,3.3			

ISC Event type se.

SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

CATAC Event type se. Error ellipse: s-maj=7.8km s-min=2.5km az=31.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=9.8km s-min=8.7km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 10 19 29.5–2.1**	**12.04N–.07**	**88.24W–.04**	**19–4**		**53**	**1-4**	
CATAC	VII	05 10 19 26.8–.65	12N–3.0	88W–3.0	10–5	3.3,3.3			**¶625365302**
SNET	VII	05 10 19 28.8	12N–2.0	88W–2.0	31–5	3.4,3.4			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VII**	**06 07 02 01.4–1.7**	**12.74N–.08**	**88.84W–.05**	**29–12**		**45**	**1-2**	
CATAC	VII	06 07 02 01.8–.71	13N–3.0	89W–2.0	28–5	3.1,3.1			**¶625365385**
SNET	VII	06 07 02 01.1	12.8N–1.0	88.9W–1.0	28–1	3.1,3.0			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**VII**	**06 12 43 39.8–.88**	**12.63N–.05**	**88.00W–.04**	**59–7**	**4.1b,3.3s**	**163**	**1-139**	
CATAC	VII	06 12 43 39.4–.36	13N–3.0	88W–2.0	39–5	4.3,4.3			**¶625365358**
NEIC	VII	06 12 43 39.5–.93	12.59N–.03	88.01W–.05	48–9	4.2b,4.3			
SNET	VII	06 12 43 39.9	13N–1.0	88W–1.0	50–2	4.5,4.5			
IDC	VII	06 12 43 46.5–2.1	12.95N	87.80W	114–25	4.0,3.5b			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=7.7km s-min=2.4km az=29.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=2.2km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
IDC Error ellipse: s-maj=39.6km s-min=17.0km az=57.0.

ISC	**VII**	**08 20 31 35.8–.31**	**12.96N–.03**	**90.19W–.03**	**40–2**	**5.2b,5.0s**	**965**	**1-150**	
SNET	VII	08 20 31 31.9	12.8N–.80	90.3W–.80	12–1	5.4,5.3			**¶625365594**
IDC	VII	08 20 31 31.2–.46	13.28N	89.85W	0	4.9s,4.8b			
CATAC	VII	08 20 31 32.9–.61	13N–2.0	90W–3.0	23–7	5.4,5.4			
GCG	VII	08 20 31 34.7–2.0	12.93N	90.37W	25–16	5.4L,5.2			
MOS	VII	08 20 31 35.0–.98	13.11N	90.03W	42	5.3b,5.2			
NEIC	VII	08 20 31 36.9	12.86N	90.18W	18	5.3,5.2			
NEIC	VII	08 20 31 36.4–2.0	13.07N–.08	90.09W–.06	35–1	5.3b,5.2			
NEIC	VII	08 20 31 36.3	13.06N	90.08W	35	5.3b,5.2			
GCMT	VII	08 20 31 37.2–.10	12.86N–.01	90.49W–.01	19–0	5.4W,5.2			
GFZ	VII	08 20 31 37.6–.17	13N–3.0	90W–3.0	43	5.1,5.0b			
GFZ	VII	08 20 31 37.6	13.19N	89.92W	15	5.3W,5.0b			
UCR	VII	08 20 31 44.3–1.1	12.42N	89.81W	37–187	4.5W,5.0b			

ISC Event type se.

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
IDC Error ellipse: s-maj=17.5km s-min=7.7km az=40.0.
CATAC Event type se. Error ellipse: s-maj=6.4km s-min=3.6km az=56.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}7.02 $M_{\theta\theta}$-6.23 $M_{\phi\phi}$-0.79 $M_{r\theta}$1.94 $M_{\theta\phi}$2.64 $M_{\phi r}$-5.32 NP1:ϕ_s136.74838°,δ63.78906°,λ113.20669°. NP2:ϕ_s272.60000°,δ34.45375°,λ51.32525°. Principal axes: T 9.7320,Plg63.5574°,Azm85.4837°; N -1.3506,Plg20.7034°,Azm306.0256°; P -8.3813,Plg15.7092°,Azm209.9236° $M_0$9.13188×10^{16}
GCG Event type se. Error ellipse: s-maj=15.3km s-min=7.8km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=8.5km s-min=5.1km az=101.4.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-0.31 $M_{r\theta}$0.33 $M_{\theta\phi}$0.40 $M_{\phi r}$0.09 NP1:ϕ_s308.29000°,δ39.52000°,λ105.89000°. NP2:ϕ_s108.04000°,δ52.26000°,λ77.28000°. Principal axes: T 1.2071,Plg78.0000°,Azm329.0000°; N -0.1315,Plg10.0000°,Azm116.0000°; P -1.0757,Plg6.0000°,Azm207.0000° $M_0$1.15000×10^{17}
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.3km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107082031A. Moment Tensor Solution. s122,c226; s138,c257;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.12±.02 $M_{\theta\theta}$-1.00±.02; $M_{\phi\phi}$-0.11±.02; $M_{r\theta}$0.84±.04; $M_{\theta\phi}$0.53±.01; $M_{\phi r}$-0.81±.04; Best double couple: NP1: ϕ_s280.00000°,δ25.00000°,λ64.00000°. NP2:ϕ_s128.00000°,δ68.00000°,λ101.00000°. Principal axes: T 1.6350,Plg65.0000°,Azm58.0000°; N 0.0610,Plg11.0000°,Azm304.0000°; P -1.6880,Plg22.0000°,Azm210.0000° $M_0$1.66200×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-0.28 $M_{r\theta}$-0.27 $M_{\theta\phi}$0.37 $M_{\phi r}$0.07 NP1: ϕ_s121.78568°,δ37.31962°,λ95.32235°. NP2:ϕ_s295.10428°,δ52.86846°,λ85.95514°.
Principal axes: T 1.0716,Plg81.5642°,Azm185.2278°; N -0.0795,Plg3.2238°,Azm297.5485° ; P -0.9921,Plg7.7872°,Azm27.9899° $M_0$1.03417×10^{17}
UCR Event type se. Error ellipse: s-maj=85.4km s-min=95.9km az=-1.0. Presumed earthquake.
ISC VII 08 21 54 56.6–3.2 13.0N–.20 90.27W–.09 24 13 1-2
SNET VII 08 21 54 53.6–1.0 13N–7.0 90W–12 6–10 3.6,3.5 **¶625365531**
GCG VII 08 21 54 58.4–.67 13.19N 90.28W 25–11 3.9,3.5
ISC Event type se.
SNET Error ellipse: s-maj=26.3km s-min=12.1km az=109.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=14.3km s-min=10.6km az=-1.0. Presumed earthquake.
ISC VII 09 01 30 23.4–2.8 13.0N–.10 90.31W–.08 5–13 28 1-2
CATAC VII 09 01 30 21.5–1.3 13N–6.0 90W–14 9–19 3.3,3.3 **¶625365698**
SNET VII 09 01 30 22.7–3.7 13N–19 90W–24 10 3.6,3.5
GCG VII 09 01 30 27.5–.45 13.29N 90.46W 0–48 3.8,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=30.1km s-min=11.5km az=105.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=85.7km s-min=7.5km az=-1.0. Presumed earthquake.
ISC VII 09 01 32 56.3–3.8 12.7N–.20 90.4W–.20 30 18 1-2
SNET VII 09 01 32 54.8–4.2 13N–23 90W–24 10 3.8,3.6 **¶625365660**
GCG VII 09 01 32 58.1–.95 12.97N 90.34W 21–24 4.0,3.6
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=26.7km s-min=22.1km az=-1.0. Presumed earthquake.
ISC VII 09 23 01 47.5–3.6 12.8N–.10 90.4W–.10 24 16 1-2
SNET VII 09 23 01 49.4 13N–3.0 90W–3.0 22–2 3.5L,3.4 **¶625365621**
GCG VII 09 23 01 50.2–.70 13.03N 90.36W 22–12 3.9,3.4
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=9.6km s-min=11.6km az=-1.0. Presumed earthquake.
ISC VII 10 05 59 47.5–2.2 12.89N–.09 90.26W–.05 2–11 54 1-53
IDC VII 10 05 59 45.3–14 13.45N 89.00W 0 3.4b,3.4 **¶625365752**
CATAC VII 10 05 59 46.4–.70 13N–4.0 90W–4.0 12–6 3.8,3.8
GCG VII 10 05 59 48.5–.68 12.85N 90.24W 61–31 4.3,3.8
SNET VII 10 05 59 52.5–1.0 13N–6.0 90W–6.0 10 4.0,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
IDC VII 11 06 15 34.2–11 7.59N 87.89W 0 3.9s,3.2b
¶620928410
IDC Error ellipse: s-maj=534.6km s-min=144.3km az=43.0.
ISC VII 12 10 43 36.9–1.4 12.70N–.07 88.75W–.04 46–36 100 1-3
SNET VII 12 10 43 37.1 13N–1.0 89W–1.0 39–13 3.6,3.5 **¶625365896**
CATAC VII 12 10 43 37.3–.31 13N–3.0 89W–2.0 40 3.3,3.3
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG VII 13 01 24 03.5–.39 12.88N 90.47W 19–9 4.2
SNET VII 13 01 24 02.4 13N–6.0 90W–6.0 8–8 3.5,3.3 **¶625365978**
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 15 00 33 53.7–2.2 13.0N–.10 89.22W–.06 26–13 32 1-2
CATAC VII 15 00 33 53.6–.95 13N–5.0 89W–3.0 24–6 3.4,3.4 **¶625366246**
SNET VII 15 00 33 54.0 13N–1.0 89W–1.0 29–1 3.7,3.6L
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 15 06 59 49.3–1.3 12.58N–.06 88.03W–.04 54–17 81 1-2
CATAC VII 15 06 59 49.2–.37 13N–3.0 88W–2.0 35–4 3.3,3.3 **¶625366160**
SNET VII 15 06 59 51.1 13N–1.0 88W–1.0 53–2 3.9,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 17 01 44 17.4–2.6 12.8N–.30 88.77W–.08 57–43 31 1-1
CATAC VII 17 01 44 17.6–.97 13N–6.0 89W–3.0 30–7 3.0,3.0 **¶625366424**
SNET VII 17 01 44 18.9 13N–3.0 89W–3.0 50–6 3.6,3.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 17 09 06 04.7–2.7 13.0N–.20 89.06W–.07 47–34 25 1-1
SNET VII 17 09 06 04.9 13N–1.0 89W–1.0 35–360 3.1,3.0 **¶625366389**
CATAC VII 17 09 06 04.1–.86 13N–6.0 89W–4.0 31–6 2.6,2.6
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 18 11 14 28.2–3.1 12.9N–.10 90.31W–.09 13–11 43 1-2
CATAC VII 18 11 14 26.8–1.3 13N–7.0 90W–5.0 2–6 3.2,3.2 **¶625366482**
GCG VII 18 11 14 30.8–.35 13.06N 90.33W 16–5 3.9,3.2
SNET VII 18 11 14 30.0 13N–2.0 90W–2.0 22–1 3.2,3.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 18 16 55 34.5–2.9 13.0N–.10 90.31W–.09 24 14 1-2
SNET VII 18 16 55 33.4 13N–3.0 90W–3.0 12–3 3.4,3.2 **¶625366445**
GCG VII 18 16 55 34.1–.33 12.99N 90.34W 20–9 3.8,3.2
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=6.4km s-min=5.7km az=-1.0. Presumed earthquake.
ISC VII 19 08 56 21.3–2.2 12.69N–.09 88.72W–.05 33–5 39 1-2
CATAC VII 19 08 56 19.2–.80 13N–4.0 89W–2.0 20–6 3.0,3.0 **¶625366600**
SNET VII 19 08 56 19.9 13N–1.0 89W–1.0 18–3 3.3,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 20 01 08 33.8–2.4 12.71N–.09 89.97W–.07 30–13 57 1-4
CATAC VII 20 01 08 32.6–.79 13N–4.0 90W–3.0 27–9 3.6,3.6 **¶625366691**
GCG VII 20 01 08 34.7–.83 12.88N 90.02W 17–9 4.1,3.6
SNET VII 20 01 08 42.0 13N–5.0 90W–5.0 27–3 3.4,3.4L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 20 08 24 39.4–2.2 12.75N–.08 89.54W–.05 12–10 66 1-3
GCG VII 20 08 24 42.8–.56 12.87N 89.65W 22–4 4.0 **¶625366659**
CATAC VII 20 08 24 42.0–.68 13N–3.0 89W–3.0 21–5 3.2,3.2
SNET VII 20 08 24 43.3 13N–3.0 89W–3.0 24–3 3.5,3.3L
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 20 23 24 58.1–3.1 12.7N–.20 90.4W–.10 10 16 1-2
GCG VII 20 23 24 57.9–.40 12.70N 90.38W 16–14 4.0 **¶625366642**
SNET VII 20 23 24 59.3 13N–6.0 90W–6.0 12–8 3.4,3.4L
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 21 10 46 02.8–2.6 12.7N–.10 88.93W–.06 12–12 24 1-1
CATAC VII 21 10 46 05.2–1.6 13N–7.0 89W–4.0 22–12 2.9,2.9 **¶625366754**
SNET VII 21 10 46 05.5 13N–2.0 89W–2.0 27–1 3.2,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 22 01 02 13.9–1.8 12.86N–.07 90.41W–.04 17–9 3.8b 65 1-46
IDC VII 22 01 02 11.4–13 13.03N 89.65W 0 3.6b,3.6 **¶625366870**
CATAC VII 22 01 02 14.2–.84 13N–4.0 90W–4.0 24–11 3.9,3.9
GCG VII 22 01 02 15.2–1.9 13.02N 90.52W 8–19 4.2,3.9
SNET VII 22 01 02 15.4–1.7 13N–10 90W–9.0 10 4.1,3.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 22 08 20 34.2–1.7 12.63N–.06 88.69W–.05 29–13 83 1-3
SNET VII 22 08 20 34.4 12.7N–.90 88.7W–.90 30–1 3.7,3.6 **¶625366798**
CATAC VII 22 08 20 36.2–.53 13N–3.0 89W–6.0 28–9 3.5,3.5
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 23 22 13 53.6–.76 13.00N–.05 88.84W–.03 64–6 4.2b 245 0-138
SNET VII 23 22 13 52.8–1.6 13N–15 89W–5.0 31–9 4.7,4.7 **¶625366884**
CATAC VII 23 22 13 54.0–.35 13N–2.0 89W–2.0 32–3 4.7,4.7
GCG VII 23 22 13 55.1–.78 12.98N 88.90W 38–136 4.8,4.7L
NEIC VII 23 22 13 56.7–1.3 13.11N–.09 88.63W–.08 88–9 4.2b,4.7L
IDC VII 23 22 13 58.2–2.8 13.16N 88.57W 103–25 4.0,3.7b
UCR VII 23 22 14 20.7–.81 12.40N 86.95W 58 3.9W,3.7b
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=5.7km s-min=1.9km az=32.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.82 $M_{\theta\theta}$4.93 $M_{\phi\phi}$-5.75 $M_{r\theta}$0.54 $M_{\theta\phi}$6.12 $M_{\phi r}$-0.91 NP1:ϕ_s290.38658° ,δ86.18164°,λ-5.19385°. NP2:ϕ_s20.73341°,δ84.81771°,λ-176.16595°. Principal axes:
T 7.7086,Plg0.9615°,Azm335.6134°; N 0.9352,Plg83.5567°,Azm74.1597°
; P -8.6438,Plg6.3705°,Azm245.5060° $M_0$8.21617×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}3.32 $M_{\theta\theta}$2.08 $M_{\phi\phi}$-5.39 $M_{r\theta}$0.64 $M_{\theta\phi}$1.10 $M_{\phi r}$-1.06 NP1: ϕ_s155.16555°,δ54.88928°,λ66.94792°. NP2:ϕ_s11.66254°,δ41.17338°,λ119.11443°.
Principal axes: T 3.6244,Plg69.8764°,Azm11.5771°; N 2.0715,Plg18.6822°,Azm168.9187°
; P -5.6958,Plg7.2128°,Azm261.3714° $M_0$4.99348×10^{16}
GCG Event type se. Error ellipse: s-maj=12.1km s-min=4.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.9km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.7km s-min=13.1km az=56.0.
UCR Event type se. Error ellipse: s-maj=53.5km s-min=87.6km az=-1.0. Presumed earthquake.
ISC VII 24 04 51 19.1–.52 12.87N–.03 88.89W–.03 53–4 4.6b,3.7s 367 1-148
SNET VII 24 04 51 18.5–.62 13N–4.0 89W–2.0 18–4 4.8,4.8 **¶625366978**
CATAC VII 24 04 51 20.0–.26 13N–2.0 89W–1.0 34–3 4.9,4.9
GFZ VII 24 04 51 19.4–.27 13N–5.0 89W–5.0 50–2 4.6b,4.5
NEIC VII 24 04 51 21.2–2.3 12.97N–.05 88.89W–.03 62–5 4.6b,4.5
GCG VII 24 04 51 22.0–.61 12.98N 89.02W 50–33 5.0,4.9L
IDC VII 24 04 51 25.5–2.0 13.16N 88.45W 105–18 4.3,4.0b
UCR VII 24 04 51 32.5–1.2 12.69N 87.89W 20–35 4.4W,4.0b
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=4.1km s-min=1.5km az=38.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.05 $M_{\theta\theta}$-4.91 $M_{\phi\phi}$-1.15 $M_{r\theta}$2.57 $M_{\theta\phi}$-0.21 $M_{\phi r}$-3.51 NP1:ϕ_s114.35484° ,δ62.36908°,λ110.50123°. NP2:ϕ_s255.47800°,δ33.91756°,λ56.21574°. Principal axes:
T 7.9542,Plg66.1666°,Azm62.1523°; N -2.3851,Plg18.0764°,Azm284.5170°
; P -5.5691,Plg15.0018°,Azm189.4991° $M_0$7.07009×10^{15} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}1.48 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-0.65 $M_{r\theta}$0.77 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.44 NP1: ϕ_s99.28061°,δ62.67823°,λ101.05948°. NP2:ϕ_s256.21408°,δ29.31475°,λ69.62936°.
Principal axes: T 1.8015,Plg70.2388°,Azm32.9332°; N -0.7400,Plg9.8127°,Azm274.1542°
; P -1.0615,Plg16.9780°,Azm181.1272° $M_0$1.56839×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-5.01 $M_{\theta\theta}$2.28 $M_{\phi\phi}$2.73 $M_{r\theta}$-5.52 $M_{\theta\phi}$-1.58 $M_{\phi r}$0.52 NP1: ϕ_s108.09793°,δ70.94735°,λ-104.29130°. NP2:ϕ_s326.06464°,δ23.65650°,λ-54.44374°.
Principal axes: T 6.0614,Plg24.6366°,Azm209.1693°; N 1.9307,Plg13.4932°,Azm112.8514°
; P -7.9921,Plg61.4635°,Azm356.6667° $M_0$7.22294×10^{15} Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-7.00 $M_{\theta\theta}$2.49 $M_{\phi\phi}$4.51 $M_{r\theta}$-4.91 $M_{\theta\phi}$-1.54 $M_{\phi r}$2.27 NP1: ϕ_s129.70921°,δ65.43900°,λ-102.42206°. NP2:ϕ_s337.62926°,δ27.34871°,λ-64.79410°.
Principal axes: T 6.9080,Plg19.5211°,Azm228.9964°; N 2.3370,Plg11.2826°,Azm134.9405°
; P -9.2450,Plg67.2186°,Azm16.5791° $M_0$8.32626×10^{15}
GFZ Error ellipse: s-maj=14.3km s-min=5.5km az=44.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.6km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=12.0km s-min=6.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=30.5km s-min=10.1km az=57.0.
UCR Event type se. Error ellipse: s-maj=24.8km s-min=49.0km az=-1.0. Presumed earthquake.
ISC VII 24 08 06 21.5–2.1 12.77N–.08 88.92W–.04 20–6 46 1-2
SNET VII 24 08 06 20.8–1.6 13N–12 89W–5.0 10 3.8,3.3 **¶625366918**
CATAC VII 24 08 06 22.8–.90 13N–4.0 89W–3.0 25–7 3.1,3.1
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 25 03 46 59.9–2.2 11.04N–.09 88.06W–.05 0–15 62 2-4
CATAC VII 25 03 47 03.4–.46 11N–3.0 88W–2.0 10 3.3,3.3 **¶625367080**
SNET VII 25 03 47 04.0 12N–5.0 88W–5.0 222–5 3.6L,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 27 11 11 17.4–1.3 12.61N–.05 88.27W–.03 28–13 101 1-2
CATAC VII 27 11 11 17.6–.40 13N–2.0 88W–1.0 29–3 3.9,3.9 **¶625367230**
SNET VII 27 11 11 18.0–.70 13N–5.0 88W–3.0 25–5 4.1,3.9

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 26 12 39 57.3–2.4 12.78N–.10 89.63W–.06 33–6 68 1-2
CATAC VII 26 12 40 00.4–.69 13N–3.0 90W–3.0 24–4 3.2,3.2 **¶625367157**
SNET VII 26 12 40 00.8 13N–2.0 90W–2.0 59–3 3.2,3.2
GCG VII 26 12 40 01.5–.46 13.07N 89.60W 59–11 3.7,3.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=36.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=8.2km s-min=6.2km az=-1.0. Presumed earthquake.
ISC VII 27 16 42 57.7–3.3 12.12N–.10 89.50W–.07 13–24 69 1-3
SNET VII 27 16 42 52.8–5.3 12N–43 90W–12 10 4.3,4.2 **¶625367213**
CATAC VII 27 16 42 59.4–.46 12N–3.0 89W–2.0 15 3.8,3.8
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 27 23 49 20.6–1.4 12.69N–.05 88.12W–.04 27–13 56 1-2
SNET VII 27 23 49 20.3 13N–2.0 88W–2.0 74–1 2.9,2.9 **¶625367182**
CATAC VII 27 23 49 20.4–.32 13N–3.0 88W–2.0 26 3.0,3.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 28 01 49 31.6–2.1 11.77N–.07 88.26W–.04 5–11 66 1-3
CATAC VII 28 01 49 31.8–.45 12N–3.0 88W–2.0 10 3.4,3.4 **¶625367388**
SNET VII 28 01 49 33.5–.86 12N–7.0 88W–4.0 5 4.0,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 28 03 38 08.2–1.6 12.91N–.06 89.11W–.04 26–12 70 1-3
CATAC VII 28 03 38 07.7–.59 13N–3.0 89W–2.0 19–3 3.2,3.2 **¶625367384**
SNET VII 28 03 38 08.7 13N–1.0 89W–1.0 29–1 3.7,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VII 29 07 41 23.2–3.0 12.20N–.08 88.58W–.05 27–23 55 1-2
SNET VII 29 07 41 21.6–2.5 12N–21 89W–6.0 10 4.6,3.8 **¶625367415**
CATAC VII 29 07 41 23.3–.71 12N–3.0 89W–3.0 28–7 3.2,3.2
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 28 10 01 44.2–1.6 12.30N–.07 88.00W–.04 25–14 63 1-2
CATAC VII 28 10 01 43.5–.66 12N–3.0 88W–2.0 28–4 2.9,2.9 **¶625367324**
SNET VII 28 10 01 45.9–1.4 12N–9.0 88W–5.0 20–9 3.8,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 30 03 32 51.3–1.6 12.19N–.07 88.60W–.05 22–11 57 1-2
SNET VII 30 03 32 49.0 12N–3.0 89W–3.0 7–3 3.1,3.0 **¶625367551**
CATAC VII 30 03 32 50.3–.39 12N–3.0 89W–2.0 10 3.0,3.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 31 06 47 33.0–1.8 12.90N–.08 88.88W–.05 5–12 49 1-2
CATAC VII 31 06 47 35.7–.66 13N–4.0 89W–2.0 30–4 3.5,3.5 **¶625367560**
SNET VII 31 06 47 35.0 13N–2.0 89W–2.0 42–7 3.6L,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 01 06 02 34.9–1.6 12.77N–.06 89.00W–.04 27–13 66 1-3
CATAC VIII 01 06 02 34.9–.56 13N–3.0 89W–2.0 26–4 3.1,3.1 **¶625367672**
SNET VIII 01 06 02 34.8 13N–1.0 89W–1.0 30–1 3.5,3.4L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 01 22 22 14.3–1.5 12.64N–.05 88.31W–.04 26–14 102 1-7
SNET VIII 01 22 22 13.3–1.2 13N–7.0 88W–4.0 23–9 4.4,4.4 **¶625367610**
CATAC VIII 01 22 22 14.6–.53 13N–4.0 88W–4.0 29–9 4.2,4.2
UCR VIII 01 22 22 19.5–.65 10.49N 88.93W 20–999 3.5W,4.2
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=10.6km s-min=6.6km az=123.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=306.2km s-min=999.9km az=-1.0. Presumed earthquake.
ISC VIII 02 08 29 57.1–1.6 12.86N–.08 88.79W–.04 28–12 50 1-2
CATAC VIII 02 08 29 57.5–.55 13N–3.0 89W–2.0 28–3 2.8,2.8 **¶625367691**
SNET VIII 02 08 29 57.8–2.0 13N–19 89W–9.0 33–9 3.6,3.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 04 04 55 10.7–1.9 12.88N–.08 89.12W–.05 14–11 42 1-3
CATAC VIII 04 04 55 11.7–.79 13N–4.0 89W–3.0 24–5 3.1,3.1 **¶625367830**
SNET VIII 04 04 55 12.7 13N–1.0 89W–1.0 52–2 3.8,3.5L
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 03 10 47 42.0–1.7 12.79N–.09 88.34W–.05 83–14 50 1-2
CATAC VIII 03 10 47 43.6–.36 13N–4.0 88W–3.0 56–6 3.3,3.3 **¶625367796**
SNET VIII 03 10 47 43.7 13N–2.0 88W–2.0 32–2 3.4L,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 03 02 24 23.5–1.5 12.54N–.04 88.22W–.03 19–4 149 1-3
SNET VIII 03 02 24 24.6 13N–1.0 88W–1.0 32–1 4.3L,4.1 **¶625367824**
CATAC VIII 03 02 24 25.0–.29 13N–2.0 88W–1.0 33–4 3.9,3.9
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 09 09 06 36.7–2.5 13.0N–.10 89.27W–.05 24–16 65 1-2
CATAC VIII 09 09 06 37.9–.76 13N–4.0 89W–3.0 19–5 3.1,3.1 **¶625368092**
GCG VIII 09 09 06 39.6–.42 13.21N 89.28W 56–5 3.8,3.1
SNET VIII 09 09 06 39.3 13N–1.0 89W–1.0 47–1 3.1L,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 09 00 21 52.3–1.3 12.61N–.04 88.31W–.03 31–12 121 1-6
CATAC VIII 09 00 21 52.6 12.6N–.80 88.3W–.80 26–1 3.7,3.7 **¶625368098**
SNET VIII 09 00 21 52.3 12.6N–.80 88.3W–.80 33–1 3.8L,3.7
UCR VIII 09 00 21 57.4–.96 12.65N 87.92W 28–999 3.7W,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
UCR Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ISC VIII 07 11 34 37.3–.41 2.09N–.04 84.61W–.05 10 4.6b,4.1s 238 5-138
UCR VIII 07 11 33 57.2–2.2 0.73S 86.01W 0–999 4.2W,4.1s **¶620976071**
GFZ VIII 07 11 34 38.3–.20 2N–3.0 85W–4.0 10 4.6b,4.4
NEIC VIII 07 11 34 38.2–1.1 2.20N–.09 84.6W–.10 10–1 4.6b,4.4
GCMT VIII 07 11 34 41.8–.20 2.22N–.01 84.62W–.02 12 4.9W,4.4
RSNC VIII 07 11 34 43.6–.50 2N–2.0 84W–1.0 25–4 5.5b,5.0
IDC VIII 07 11 34 44.1–2.8 2.38N 84.36W 61–24 4.1,4.0s
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=999.9km s-min=693.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=12.0km az=236.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108071134A. Moment Tensor Solution. s51,c65; s120,c191; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.60±.06 $M_{\theta\theta}$2.80±.05; $M_{\phi\phi}$-0.19±.07; $M_{r\theta}$0.68±.18; $M_{\theta\phi}$-0.03±.05; $M_{\phi r}$0.98±.23; Best double couple: NP1:ϕ_s109.00000°,δ41.00000° ,λ-61.00000°. NP2:ϕ_s252.00000°,δ55.00000°,λ-113.00000°. Principal axes: T 2.8860,Plg7.0000°,Azm358.0000°; N 0.1360,Plg19.0000°,Azm266.0000° ; P -3.0180,Plg70.0000°,Azm109.0000° $M_0$2.95200×10^{16}
IDC Error ellipse: s-maj=31.8km s-min=14.2km az=60.0.
ISC VIII 07 12 08 28.1–.42 2.15N–.05 84.57W–.05 10 4.5b,3.9s 180 6-159
UCR VIII 07 12 08 26.9–.73 2.04N 84.27W 17 4.5b,3.9s **¶620976072**
NEIC VIII 07 12 08 29.0–1.2 2.30N–.08 84.5W–.10 10–1 4.5b,3.9s
GFZ VIII 07 12 08 29.1–.19 2N–3.0 85W–4.0 10 4.7,4.6b
GCMT VIII 07 12 08 32.0–.20 2.21N–.01 84.56W–.02 12 4.8W,4.6b
IDC VIII 07 12 08 33.3–2.5 2.26N 84.56W 46–23 4.2,3.9b
RSNC VIII 07 12 08 35.9–.60 2N–3.0 84W–7.0 12–9 5.1b,4.7b
ISC Event type se.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108071208A. Moment Tensor Solution. s47,c58; s104,c155; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.18±.06 $M_{\theta\theta}$2.32±.04; $M_{\phi\phi}$-0.14±.07; $M_{r\theta}$0.51±.17; $M_{\theta\phi}$-0.10±.05; $M_{\phi r}$0.63±.23; Best double couple: NP1:ϕ_s108.00000°,δ41.00000° ,λ-66.00000°. NP2:ϕ_s257.00000°,δ53.00000°,λ-110.00000°. Principal axes: T 2.3780,Plg6.0000°,Azm1.0000°; N 0.0310,Plg16.0000°,Azm269.0000° ; P -2.4150,Plg73.0000°,Azm112.0000° $M_0$2.39700×10^{16}
ISC VIII 11 08 38 56.0–2.9 12.9N–.10 89.22W–.05 28–14 36 1-2
CATAC VIII 11 08 38 55.7–1.2 13N–6.0 89W–4.0 17–9 3.4,3.4 **¶625368261**
SNET VIII 11 08 38 57.1 13N–2.0 89W–2.0 36–24 3.6,3.5
GCG VIII 11 08 38 58.0–.83 13.08N 89.24W 48–19 4.0,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=13.6km s-min=7.6km az=3.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=13.0km s-min=6.8km az=-1.0. Presumed earthquake.
ISC VIII 09 10 32 29.9–1.4 12.84N–.06 88.78W–.04 26–13 77 1-2
CATAC VIII 09 10 32 30.0–.51 13N–3.0 89W–2.0 27–4 3.3,3.3 **¶625368088**
SNET VIII 09 10 32 30.5 13N–1.0 89W–1.0 45–5 3.5L,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 13 07 36 15.2–1.6 12.89N–.07 88.90W–.04 32–12 58 1-2
CATAC VIII 13 07 36 14.7–.60 13N–3.0 89W–2.0 22–4 3.1,3.1 **¶625368334**
SNET VIII 13 07 36 16.2–.88 13N–10 89W–4.0 38–8 3.4,3.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 12 02 47 10.5–1.4 12.89N–.09 88.72W–.05 60–18 62 1-2
SNET VIII 12 02 47 10.5 13N–2.0 89W–2.0 55–4 3.4,3.3 **¶625368279**
CATAC VIII 12 02 47 10.7–.42 13N–3.0 89W–2.0 39–5 3.2,3.2
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 14 09 27 36.9–2.4 12.8N–.10 90.59W–.06 29–14 43 1-52
IDC VIII 14 09 27 30.2–13 13.13N 89.37W 0 3.4b,3.4 **¶621013475**
CATAC VIII 14 09 27 34.7–1.2 13N–8.0 91W–9.0 7–11 3.7,3.7
GCG VIII 14 09 27 35.1–1.5 12.92N 90.65W 16–12 4.5,3.7
SNET VIII 14 09 27 37.8 13N–3.0 90W–3.0 8–5 3.8L,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 14 09 35 01.0–1.5 12.89N–.05 90.49W–.04 15–9 4.1b,3.6s 128 1-147
UCR VIII 14 09 33 01.7–1.9 16.87N 98.80W 10–999 4.4W,3.6s **¶620986691**
CATAC VIII 14 09 34 59.3–.89 13N–6.0 91W–5.0 3 4.1,4.1
SNET VIII 14 09 35 02.7 13N–2.0 91W–2.0 7–3 4.2,4.1
NEIC VIII 14 09 35 02.0–1.6 12.96N–.09 90.45W–.07 10–2 4.1b,4.1
GCG VIII 14 09 35 02.7–1.2 12.97N 90.67W 27–54 4.7,4.1
IDC VIII 14 09 35 07.9–1.9 13.10N 90.05W 77–14 3.8,3.5b
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=14.0km s-min=10.9km az=163.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=12.0km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=27.0km s-min=9.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=25.5km s-min=10.7km az=45.0.
ISC VIII 14 15 06 19.2–4.2 12.9N–.20 90.4W–.20 10 21 1-2
GCG VIII 14 15 06 22.4–1.7 13.21N 90.57W 22–16 4.3 **¶625368532**
SNET VIII 14 15 06 24.8 13N–17 90W–17 21–8 3.3,3.2
ISC Event type se.

GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 14 15 14 07.9–3.4 12.7N–.20 90.78W–.09 10 19 2-2
GCG VIII 14 15 14 11.9–1.2 12.78N 90.69W 20 4.3 **¶625368507**
SNET VIII 14 15 14 20.1 13N–9.0 90W–9.0 21–4 3.8,3.5
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 18 08 41 12.5–1.7 12.84N–.08 88.77W–.04 31–12 43 1-2
CATAC VIII 18 08 41 13.1–.54 13N–4.0 89W–2.0 34–6 2.8,2.8 **¶625368983**
SNET VIII 18 08 41 13.6 13N–4.0 89W–4.0 45–9 3.6,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 16 04 39 10.7–1.3 12.93N–.05 88.92W–.03 28–12 84 1-2
CATAC VIII 16 04 39 10.5–.38 13N–2.0 89W–2.0 32–3 3.2,3.2 **¶625368710**
SNET VIII 16 04 39 12.7–.86 13N–8.0 89W–3.0 20–4 3.5,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC VIII 16 23 15 13.2–.65 11N–5.0 88W–5.0 19–10 3.5,3.5 ¶626090562
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 17 04 34 52.6–1.9 12.95N–.08 88.94W–.05 27–14 39 1-2
CATAC VIII 17 04 34 52.6–.75 13N–4.0 89W–3.0 28–4 3.1,3.1 **¶625368808**
SNET VIII 17 04 34 52.6 13N–2.0 89W–2.0 31–1 3.0,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 18 12 11 57.9–1.4 12.37N–.04 89.09W–.03 14–8 4.7b 255 1-148
CATAC VIII 18 12 11 57.1–.53 12N–2.0 89W–2.0 9–3 4.5,4.5 **¶625368945**
SNET VIII 18 12 12 00.3 12N–3.0 89W–3.0 0–2 4.4,4.4
NEIC VIII 18 12 12 02.0–.83 12.46N–.07 89.0W–.10 40–15 4.6b,4.4
GCG VIII 18 12 12 01.1–1.1 12.45N 89.20W 20–17 4.6,4.4
IDC VIII 18 12 12 03.5–1.4 12.76N 88.63W 47–12 4.1,3.9b
GFZ VIII 18 12 12 07.0–.45 13N–6.0 89W–5.0 88 4.5b,4.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 18 14 14 44.1–1.2 12.86N–.06 88.85W–.04 49–13 124 1-148
IDC VIII 18 14 14 34.2–3.2 12.77N 88.30W 0 3.4,3.3b **¶621030380**
CATAC VIII 18 14 14 44.5–.31 13N–2.0 89W–2.0 38–5 4.2,4.2
SNET VIII 18 14 14 45.1–.59 13N–5.0 89W–3.0 29–4 4.2,4.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 18 19 31 00.4–2.3 12.95N–.09 89.57W–.07 26–13 63 1-2
SNET VIII 18 19 30 57.9–2.0 13N–12 90W–10 10 3.8,3.6 **¶625368863**
CATAC VIII 18 19 31 01.7–.55 13N–3.0 89W–2.0 22–3 3.5,3.5
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 18 12 31 09.8–1.1 12.44N–.06 88.98W–.04 53–11 4.5b 169 1-148
CATAC VIII 18 12 31 03.5–.58 12N–3.0 89W–2.0 5–4 4.2,4.2 **¶625368926**
SNET VIII 18 12 31 05.5–2.0 12N–15 89W–5.0 5 4.3,4.1
NEIC VIII 18 12 31 09.1–1.3 12.51N–.07 89.01W–.08 39–15 4.6b,4.1
IDC VIII 18 12 31 18.5–5.3 13.32N 88.92W 79–34 4.2,3.9b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.8km s-min=3.2km az=38.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.7km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.4km s-min=29.0km az=162.0.
ISC VIII 18 12 50 34.6–2.6 12.27N–.07 89.06W–.05 16–12 57 1-3
CATAC VIII 18 12 50 32.9–.71 12N–3.0 89W–3.0 11–5 3.8,3.8 **¶625368904**
SNET VIII 18 12 50 34.2 12N–1.0 89W–1.0 4–1 3.8,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 19 04 37 22.6–2.0 13.0N–.10 88.88W–.04 30–12 61 0-2
CATAC VIII 19 04 37 22.4–.79 13N–5.0 89W–2.0 20–5 3.0,3.0 **¶625369133**
SNET VIII 19 04 37 22.7 13N–1.0 89W–1.0 39–5 3.0L,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 18 13 57 51.4–1.7 12.34N–.08 89.09W–.06 22–7 53 1-3
SNET VIII 18 13 57 51.0 12N–2.0 89W–2.0 12–5 3.7L,3.6 **¶625368894**
CATAC VIII 18 13 57 51.1–.68 12N–3.0 89W–4.0 17–6 3.5,3.5
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 22 19 20 54.7–1.5 12.37N–.06 88.30W–.04 26–13 109 1-2
SNET VIII 22 19 20 55.9 12.4N–.80 88.3W–.80 29–1 4.0,3.9 **¶625369314**
CATAC VIII 22 19 20 55.8–.26 12N–2.0 88W–1.0 29 4.0,4.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG VIII 19 21 49 54.9–.80 12.88N 90.34W 15–9 4.0
SNET VIII 19 21 49 55.3 13N–7.0 90W–7.0 16–7 3.5,3.4 **¶625369039**
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 24 20 01 07.5–3.2 12.9N–.20 90.41W–.09 24 16 1-2
SNET VIII 24 20 01 09.3 13N–3.0 91W–3.0 24–2 3.6,3.3 **¶625369451**
GCG VIII 24 20 01 12.1–1.4 13.31N 90.39W 32–47 3.7,3.3
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=26.7km s-min=11.9km az=-1.0. Presumed earthquake.
ISC VIII 26 10 12 05.3–3.4 12.9N–.20 90.3W–.10 24 12 1-2
GCG VIII 26 10 12 03.1–.83 12.86N 90.37W 14–8 3.4 **¶625369605**
SNET VIII 26 10 12 05.1 13N–3.0 90W–3.0 36–616 3.4,3.1
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC VIII 26 01 10 24.7–1.4 12.84N–.07 88.79W–.04 49–24 79 1-2
SNET VIII 26 01 10 24.0 13N–2.0 89W–2.0 50–5 3.9,3.8 **¶625369644**
CATAC VIII 26 01 10 25.1–.47 13N–3.0 89W–2.0 33–5 3.8,3.8
GCG VIII 26 01 10 26.5–.34 12.98N 88.90W 62–34 4.0,3.8
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. Error ellipse: s-maj=7.5km s-min=2.6km az=29.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=12.7km s-min=8.0km az=-1.0. Presumed earthquake.
ISC VIII 26 07 50 34.6–2.1 12.02N–.05 89.04W–.04 11–14 4.0b 138 2-24
UCR VIII 26 07 49 48.7–.36 12.82N 92.46W 20 4.0W **¶625369614**
NEIC VIII 26 07 50 34.7–1.0 12.03N–.07 89.03W–.09 10–2 4.0b
CATAC VIII 26 07 50 35.7–.71 12N–5.0 89W–4.0 24–11 4.0,4.0
SNET VIII 26 07 50 35.8 12N–3.0 89W–3.0 26–5 4.4,4.0
GCG VIII 26 07 50 39.0–.65 12.20N 89.29W 15–7 4.1,4.0
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=84.6km s-min=41.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=8.9km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=13.3km s-min=3.4km az=42.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=6.5km s-min=7.3km az=-1.0. Presumed earthquake.
ISC VIII 25 05 11 12.7–1.3 12.45N–.04 88.14W–.03 8–10 176 1-3
SNET VIII 25 05 10 51.4–2.3 14N–14 85W–16 10 4.7,4.6 **¶625369577**
CATAC VIII 25 05 11 16.3–.23 12N–2.0 88W–1.0 40–6 3.7,3.7
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 25 08 45 02.7–1.3 12.81N–.07 88.39W–.04 61–15 85 1-3
CATAC VIII 25 08 45 02.8–.35 13N–3.0 88W–2.0 38–5 3.3,3.3 **¶625369563**
SNET VIII 25 08 45 02.3 12.8N–1.0 88.4W–1.0 37–12 3.2,3.2
GCG VIII 25 08 45 05.3–.75 13.09N 88.46W 72–25 3.9,3.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.7km s-min=2.0km az=29.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=17.3km s-min=14.6km az=-1.0. Presumed earthquake.
ISC VIII 27 05 02 38.5–.79 12.82N–.04 88.62W–.03 62–7 4.2b 313 1-138
SNET VIII 27 05 02 39.1 12.8N–.90 88.6W–.90 57–2 4.5,4.4 **¶625369675**
NEIC VIII 27 05 02 39.7–1.9 12.86N–.07 88.58W–.07 61–8 4.2b,4.4
CATAC VIII 27 05 02 39.0–.16 13N–1.0 89W–1.0 30 4.5b,4.5
IDC VIII 27 05 02 40.6–1.7 12.85N 88.54W 92–17 4.0,3.7b
GCG VIII 27 05 02 43.2–1.1 13.12N 88.79W 29–8 4.8,3.7b
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=5.7km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=3.8km s-min=1.3km az=34.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.36 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-0.95 $M_{r\theta}$0.14 $M_{\theta\phi}$0.84 $M_{\phi r}$-0.12 NP1:ϕ_s111.48192°,δ88.67495°,λ9.54052°. NP2:ϕ_p21.25924°,δ80.46206°,λ178.65637°. Principal axes: T 0.9726,Plg7.6730°,Azm336.7632°; N 0.3648,Plg80.3687°,Azm119.3160°; P -1.3374,Plg5.7862°,Azm245.9810° $M_0$1.19743×10^{15}
IDC Error ellipse: s-maj=35.2km s-min=12.9km az=39.0.
GCG Event type se. Error ellipse: s-maj=9.6km s-min=5.1km az=-1.0. Presumed earthquake.
ISC IX 12 11 17 33.5–1.5 12.82N–.05 88.98W–.03 34–3 187 1-2
CATAC IX 12 11 17 31.8–.76 13N–3.0 89W–3.0 25–5 2.8,2.8 **¶625371623**
SNET IX 12 11 17 32.9 13N–1.0 89W–1.0 30–1 3.5,3.1
GCG IX 12 11 17 37.3–2.0 13.13N 89.15W 63–38 3.9,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.2km s-min=3.7km az=33.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=41.6km s-min=31.8km az=-1.0. Presumed earthquake.
ISC VIII 30 08 33 50.3–1.8 12.87N–.06 88.87W–.04 34–3 60 1-2
SNET VIII 30 08 33 49.2–2.0 13N–18 89W–5.0 30–10 4.1,4.0 **¶625369799**
CATAC VIII 30 08 33 50.7–.71 13N–5.0 89W–3.0 35–8 3.9,3.9
GCG VIII 30 08 33 51.7–.61 12.96N 88.96W 51–26 4.4,4.3L
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=12.6km s-min=3.2km az=29.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=16.6km s-min=8.5km az=-1.0. Presumed earthquake.
ISC IX 01 11 31 17.3–1.3 12.50N–.04 88.70W–.03 15–9 187 1-3
SNET IX 01 11 31 20.6 12.6N–.80 88.7W–.80 23–0 3.9L,3.7 **¶625369926**
CATAC IX 01 11 31 21.6–.41 13N–4.0 89W–2.0 50–12 3.7,3.7
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 07 03 07 19.2–2.2 11.91N–.09 88.36W–.06 27–14 55 1-3
CATAC IX 07 03 07 20.9 12N–4.0 88W–4.0 23–8 3.4,3.4 **¶625370269**
SNET IX 07 03 07 30.7–.56 13N–7.0 88W–5.0 40–11 3.8,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 07 03 26 26.6–5.5 12.3N–.30 90.8W–.20 31 23 2-6
SNET IX 07 03 26 43.0–3.0 13N–18 90W–13 10 3.7,3.3 **¶625370259**
GCG IX 07 03 26 45.5–.62 13.34N 90.10W 24–7 4.4,3.3
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=18.6km s-min=10.4km az=-1.0. Presumed earthquake.
ISC VIII 29 09 45 56.5–1.3 12.53N–.06 88.10W–.04 50–22 84 1-2
SNET VIII 29 09 45 56.7 13N–1.0 88W–1.0 47–6 3.5,3.3 **¶625369774**
CATAC VIII 29 09 45 56.7–.35 13N–3.0 88W–2.0 38–5 3.2,3.2
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 05 16 27 15.2–1.3 12.70N–.07 88.26W–.04 45–22 154 1-4
CATAC IX 05 16 27 14.9–.56 13N–4.0 88W–2.0 37–6 3.4,3.4 **¶625370148**
SNET IX 05 16 27 17.7 13N–2.0 88W–2.0 72–2 3.5,3.4
ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**03 07 35 54.5–2.0**	**12.80N–.07**	**90.33W–.05**	**7–10**		**121**	**1-4**
CATAC	IX	03 07 35 55.3–.69	13N–4.0	90W–5.0	5–6	3.2,3.2	**¶625370027**	
SNET	IX	03 07 35 57.9	13N–2.0	90W–2.0	25–1	3.0,3.0		
GCG	IX	03 07 35 58.4–1.2	12.99N	90.30W	22–10	4.2,3.0		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=12.1km s-min=7.2km az=110.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=11.6km s-min=7.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**07 07 06 44.6–2.3**	**11.76N–.10**	**88.45W–.06**	**10–12**		**45**	**1-3**
CATAC	IX	07 07 06 45.8–.98	12N–5.0	88W–4.0	11–8	3.2,3.2	**¶625370241**	
SNET	IX	07 07 06 50.8	12N–5.0	88W–5.0	6–5	3.5,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**12 07 10 38.4–1.3**	**12.81N–.04**	**88.63W–.03**	**34–3**		**172**	**1-3**
SNET	IX	12 07 10 37.4	13N–2.0	89W–2.0	33–2	3.3,3.2	**¶625371660**	
CATAC	IX	12 07 10 38.0–.46	13N–3.0	89W–2.0	34–4	3.0,3.0		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**13 05 50 50.8–1.7**	**12.92N–.10**	**88.62W–.04**	**52–12**		**101**	**0-2**
CATAC	IX	13 05 50 50.0–.70	13N–5.0	89W–2.0	31–5	2.8,2.8	**¶625371767**	
SNET	IX	13 05 50 50.8	13N–2.0	89W–2.0	58–2	2.8,2.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**16 08 51 40.1–1.5**	**12.94N–.05**	**89.56W–.04**	**13–9**		**213**	**1-3**
SNET	IX	16 08 51 40.9–1.6	13N–10	90W–5.0	17–6	3.9,3.5	**¶625371845**	
CATAC	IX	16 08 51 41.4–.47	13N–2.0	90W–2.0	14–2	3.4,3.4		
GCG	IX	16 08 51 43.1–.68	13.08N	89.67W	28–5	3.4,3.4		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=5.4km s-min=3.9km az=45.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=7.9km s-min=5.1km az=-1.0. Presumed earthquake.

ISC	**IX**	**13 04 42 18.3–1.9**	**12.85N–.10**	**88.63W–.03**	**27–13**		**73**	**0-2**
CATAC	IX	13 04 42 17.8–.87	13N–5.0	89W–3.0	27–6	2.5,2.5	**¶625371783**	
SNET	IX	13 04 42 18.8	13N–2.0	89W–2.0	47–3	2.8,2.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**13 16 43 43.2–1.5**	**12.97N–.06**	**88.94W–.03**	**23–14**		**119**	**0-3**
CATAC	IX	13 16 43 42.7–.77	13N–4.0	89W–2.0	24–4	3.3,3.3	**¶625371709**	
SNET	IX	13 16 43 43.2	13N–2.0	89W–2.0	55–5	3.4,3.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**13 08 42 52.8–1.9**	**12.99N–.07**	**89.88W–.05**	**23–14**		**121**	**1-3**
CATAC	IX	13 08 42 49.5–.98	13N–5.0	90W–6.0	10–6	3.0,3.0	**¶625371757**	
SNET	IX	13 08 42 51.4	13N–1.0	90W–1.0	17–1	3.4,3.1		
GCG	IX	13 08 42 52.0–1.1	13.01N	90.04W	26–7	3.7,3.1		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=13.3km s-min=9.9km az=105.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.2km s-min=8.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**13 19 02 59.9–1.4**	**12.74N–.06**	**88.06W–.04**	**69–9**		**158**	**0-3**
CATAC	IX	13 19 02 59.4–.53	13N–4.0	88W–2.0	38–6	3.6,3.6	**¶625371686**	
SNET	IX	13 19 03 00.6	13N–2.0	88W–2.0	49–6	3.6L,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**18 03 35 47.5–1.8**	**12.69N–.09**	**89.40W–.05**	**10**		**90**	**1-3**
GCG	IX	18 03 35 48.9–1.8	12.71N	89.60W	9–39	4.2	**¶625372074**	
SNET	IX	18 03 35 55.4–.43	13N–6.0	89W–2.0	21–5	3.1,3.0		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**IX**	**23 03 00 34.7–1.4**	**11.83N–.04**	**88.04W–.03**	**15–10**		**168**	**1-23**
UCR	IX	23 03 00 24.0–.95	12.10N	88.78W	20	4.4W	**¶625373169**	
CATAC	IX	23 03 00 32.3–.47	12N–2.0	88W–2.0	26–4	3.7,3.7		
SNET	IX	23 03 00 35.4–1.0	12N–9.0	88W–5.0	10	3.9,3.9		

ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**IX**	**18 12 13 28.2–1.4**	**12.96N–.06**	**88.93W–.03**	**30–11**		**156**	**1-2**
CATAC	IX	18 12 13 27.8–.79	13N–5.0	89W–3.0	28–5	3.1,3.1	**¶625372055**	
SNET	IX	18 12 13 28.2	13.0N–.90	89.0W–.90	32–0	3.1,3.1		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**19 13 41 37.8–1.3**	**12.77N–.05**	**88.71W–.03**	**32–11**		**125**	**1-2**
CATAC	IX	19 13 41 38.4–.63	13N–4.0	89W–3.0	36–7	3.0,3.0	**¶625372125**	
GCG	IX	19 13 41 39.7–.43	12.86N	88.99W	93–18	3.4,3.0		
SNET	IX	19 13 41 39.6	13N–1.0	89W–1.0	32–1	3.6,3.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**24 08 21 34.4–1.1**	**12.01N–.04**	**88.24W–.03**	**34–3**	**4.3b**	**269**	**1-149**
IDC	IX	24 08 21 28.9–3.5	12.03N	87.81W	0	3.8,3.7b	**¶625373321**	
NEIC	IX	24 08 21 31.4–1.1	11.91N–.07	88.21W–.04	10–2	4.4b,3.7b		
CATAC	IX	24 08 21 32.2–.57	12N–2.0	88W–2.0	15–5	3.8,3.8		
SNET	IX	24 08 21 34.5–.64	12N–6.0	88W–3.0	10	4.1,4.1		
GCG	IX	24 08 21 37.5–1.2	12.18N	88.61W	108–61	4.6,4.1		
UCR	IX	24 08 21 41.0–.79	12.05N	87.71W	20	4.0W,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=94.8km s-min=30.2km az=26.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=3.7km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=4.9km s-min=3.1km az=34.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=32.4km s-min=28.1km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=30.4km s-min=17.2km az=-1.0. Presumed earthquake.

SNET	**IX**	**23 05 49 42.4**	**12N–3.0**	**89W–3.0**	**16–3**	**3.6,3.6**		
							¶625373108	

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**23 23 13 00.7–1.5**	**12.71N–.06**	**88.75W–.03**	**30–12**		**110**	**1-2**
CATAC	IX	23 23 13 01.4–.58	13N–4.0	89W–2.0	37–8	3.1,3.1	**¶625372828**	
SNET	IX	23 23 13 01.7	13N–2.0	89W–2.0	31–1	3.5,3.3		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**23 04 45 36.2–1.1**	**12.64N–.03**	**88.32W–.02**	**32–9**	**3.7b**	**291**	**1-85**
IDC	IX	23 04 45 33.0–1.2	13.29N	87.81W	0	3.7b,3.7	**¶625373113**	
UCR	IX	23 04 45 36.6–.94	13.15N	88.17W	31–96	3.9W,3.7		
SNET	IX	23 04 45 36.5	12.6N–1.0	88.3W–1.0	31–1	4.1,4.1		
CATAC	IX	23 04 45 37.1–.30	13N–4.0	88W–2.0	40–12	4.0,4.0		
GCG	IX	23 04 45 39.4–.50	12.82N	88.50W	20–6	4.2,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=17.0km az=47.0.
UCR Event type se. Error ellipse: s-maj=127.6km s-min=62.4km az=-1.0. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. Error ellipse: s-maj=10.8km s-min=1.6km az=28.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=14.7km s-min=9.8km az=-1.0. Presumed earthquake.

ISC	**IX**	**23 20 53 59.0–1.3**	**12.15N–.04**	**88.08W–.03**	**14–9**		**152**	**1-3**
SNET	IX	23 20 53 49.3–2.7	14N–18	87W–15	10	4.2,4.2	**¶625372874**	
CATAC	IX	23 20 53 58.6–.41	12N–2.0	88W–1.0	12–2	3.6,3.6		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**25 05 30 51.0–1.8**	**11.93N–.07**	**88.06W–.03**	**14–9**		**115**	**1-3**
CATAC	IX	25 05 30 50.7	12N–2.0	88W–2.0	5–2	3.1,3.1	**¶625373526**	
SNET	IX	25 05 30 52.3	12N–3.0	88W–3.0	15–3	3.1,3.1		
GCG	IX	25 05 30 55.8–.39	12.02N	88.29W	30–999	3.5,3.1		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.

ISC	**IX**	**24 09 44 27.2–1.0**	**12.03N–.05**	**88.21W–.04**	**59–9**	**4.6b,3.7s**	**359**	**1-149**
IDC	IX	24 09 44 23.9–.99	12.46N	87.96W	0	4.2b,4.1	**¶621109401**	
CATAC	IX	24 09 44 24.6–.41	12N–3.0	88W–2.0	14–2	4.2,4.2		
SNET	IX	24 09 44 26.9–.56	12N–5.0	88W–3.0	10	4.4,4.4		
NEIC	IX	24 09 44 27.9–1.4	12.55N–.06	87.89W–.05	35–2	4.6b,4.4		
GCG	IX	24 09 44 28.7–.62	12.32N	88.45W	0–9	4.7,4.4		
UCR	IX	24 09 44 29.6–1.4	12.08N	87.99W	20–285	4.7W,4.4		

ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=12.5km az=40.0.
CATAC Event type se. Error ellipse: s-maj=6.7km s-min=1.8km az=29.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.4km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=15.1km s-min=18.1km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=57.5km s-min=175.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**26 22 16 02.4–1.3**	**12.52N–.04**	**88.05W–.03**	**33–7**		**123**	**1-4**
CATAC	IX	26 22 16 02.8–.48	13N–3.0	88W–2.0	34–4	3.5,3.5	**¶625374700**	
SNET	IX	26 22 16 03.7–1.4	13N–15	88W–12	33–21	3.8,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**IX**	**25 07 13 31.4–1.2**	**11.92N–.03**	**88.06W–.03**	**29–9**	**4.4b**	**472**	**1-149**
CATAC	IX	25 07 13 31.6–.36	12N–2.0	88W–1.0	24–3	4.1,4.1	**¶625373512**	
SNET	IX	25 07 13 32.0	12N–2.0	88W–2.0	21–1	4.3,4.3		
NEIC	IX	25 07 13 33.8–1.1	12.04N–.06	88.02W–.05	36–10	4.4b,4.3		
UCR	IX	25 07 13 33.7–.90	12.04N	87.88W	17–11	4.3W,4.3		
IDC	IX	25 07 13 35.3–2.1	12.26N	87.75W	48–20	3.9,3.7b		
GCG	IX	25 07 13 35.4–.49	12.19N	88.08W	36–999	4.0,3.7b		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.0km s-min=1.7km az=32.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.4km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=6.5km s-min=8.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=42.1km s-min=18.1km az=37.0.
GCG Event type se. Error ellipse: s-maj=14.6km s-min=9.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**25 07 28 33.6–1.3**	**11.99N–.04**	**88.04W–.03**	**27–13**		**277**	**1-4**
CATAC	IX	25 07 28 32.4–.38	12N–2.0	88W–1.0	26–4	3.9,3.9	**¶625373497**	
SNET	IX	25 07 28 32.7	12N–1.0	88W–1.0	22–1	4.2,4.0L		
GCG	IX	25 07 28 36.7–.94	12.21N	88.11W	50–708	4.0,4.0L		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.6km s-min=2.0km az=29.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=341.5km s-min=285.3km az=-1.0. Presumed earthquake.

ISC	**IX**	**26 02 29 16.5–1.4**	**12.74N–.05**	**88.64W–.03**	**34–3**		**179**	**1-3**
CATAC	IX	26 02 29 16.6–.61	13N–4.0	89W–2.0	34–7	3.5,3.5	**¶625374827**	
SNET	IX	26 02 29 17.3	13N–2.0	89W–2.0	42–7	3.8,3.8		
GCG	IX	26 02 29 19.4–.45	12.98N	88.74W	70–17	4.1,3.8		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.8km s-min=2.9km az=31.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=10.9km s-min=10.6km az=-1.0. Presumed earthquake.

ISC	**IX**	**25 03 45 30.1–1.5**	**12.76N–.09**	**89.01W–.05**	**52–27**		**111**	**1-2**
CATAC	IX	25 03 45 30.6–.56	13N–3.0	89W–2.0	34–7	2.9,2.9	**¶625373534**	
SNET	IX	25 03 45 32.0	13N–4.0	89W–4.0	59–9	3.1,3.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**IX**	**27 05 27 22.8–1.7**	**11.87N–.06**	**88.24W–.04**	**23–15**		**107**	**1-4**

SNET IX 27 05 27 12.2–1.2 14N–10 86W–9.0 10 4.0,4.0 **¶625374916**
CATAC IX 27 05 27 21.7–.39 12N–3.0 88W–2.0 20 3.3,3.3
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 27 21 52 41.9–2.5 13.0N–.10 89.66W–.06 33–3 96 1-2
CATAC IX 27 21 52 46.1–.79 13N–5.0 90W–3.0 29–4 2.9,2.9 **¶625374872**
GCG IX 27 21 52 46.9–.54 13.32N 89.62W 51–9 3.5,2.9
SNET IX 27 21 52 47.9 13N–2.0 90W–2.0 24–7 3.0L,2.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
IDC IX 27 04 34 21.1–1.5 3.28N 84.10W 0 3.8,3.6b
¶621140678
IDC Error ellipse: s-maj=42.5km s-min=21.7km az=35.0.
ISC X 01 11 01 06.9–1.4 11.83N–.04 88.05W–.03 28–13 152 1-6
CATAC X 01 11 01 05.3–.41 12N–2.0 88W–1.0 21–4 3.5,3.5 **¶625375339**
SNET X 01 11 01 07.5 12N–5.0 88W–5.0 22–5 4.3,4.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC IX 29 06 01 32.6–1.6 12.66N–.06 88.80W–.03 20–5 158 1-3
SNET IX 29 06 01 33.4–.75 13N–6.0 89W–3.0 10 3.6,3.6 **¶625375105**
CATAC IX 29 06 01 34.6–.77 13N–4.0 89W–2.0 25–6 3.3,3.3
GCG IX 29 06 01 37.1–.71 12.84N 88.86W 27–7 4.0,3.3
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=8.3km s-min=3.9km az=25.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=11.7km s-min=7.6km az=-1.0. Presumed earthquake.
ISC IX 29 08 56 52.4–1.4 12.42N–.05 88.04W–.03 19–3 77 1-4
CATAC IX 29 08 56 56.9–.39 13N–3.0 88W–2.0 37–4 2.9,2.9 **¶625375100**
SNET IX 29 08 56 57.8–1.7 13N–16 88W–6.0 33–8 3.5,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 30 10 45 07.8–1.9 12.98N–.07 90.76W–.05 7–11 97 1-4
SNET IX 30 10 45 09.7 13N–5.0 91W–5.0 5–5 3.7,3.7 **¶625375255**
CATAC IX 30 10 45 10.9 13N–2.0 91W–2.0 32–568 3.3,3.3
GCG IX 30 10 45 11.2–1.5 13.11N 90.71W 8–12 4.3,3.3
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
GCG Event type se. Error ellipse: s-maj=8.7km s-min=5.1km az=-1.0. Presumed earthquake.
ISC X 03 22 20 25.0–1.2 12.49N–.03 88.37W–.02 17–8 4.3b 243 1-38
SNET X 03 22 19 47.3–1.0 12N–28 86W–8.0 416 4.9,4.9 **¶625375413**
NEIC X 03 22 20 27.8–1.1 12.50N–.01 88.38W–.04 35–2 4.2b,4.9
CATAC X 03 22 20 28.6–.53 13N–3.0 88W–2.0 34–7 3.8,3.8
GCG X 03 22 20 31.4–1.0 12.78N 88.53W 17–10 3.8,3.8
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.1km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=7.3km s-min=2.0km az=30.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=13.6km s-min=9.9km az=-1.0. Presumed earthquake.
ISC X 01 08 48 17.4–1.6 12.71N–.08 88.96W–.04 21–5 82 1-2
CATAC X 01 08 48 17.1–.66 13N–3.0 89W–2.0 13–4 2.6,2.6 **¶625375349**
SNET X 01 08 48 17.6 13N–2.0 89W–2.0 21–2 3.5,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 01 13 05 02.1–1.2 12.75N–.04 88.66W–.02 28–12 256 1-7
SNET X 01 13 05 01.5–1.4 13N–10 89W–4.0 28–9 4.3,4.3 **¶625375295**
CATAC X 01 13 05 03.2–.29 13N–2.0 89W–1.0 39–5 4.0,4.0
GCG X 01 13 05 04.5–1.1 12.94N 88.73W 26–11 4.0,4.0
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=5.2km s-min=1.5km az=31.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=15.9km s-min=13.0km az=-1.0. Presumed earthquake.
ISC X 01 13 41 18.6–3.0 12.9N–.20 90.07W–.09 29 18 1-2
SNET X 01 13 41 23.7 13N–5.0 90W–5.0 60–10 3.2,3.2 **¶625375294**
GCG X 01 13 41 24.2–.30 13.23N 90.01W 21–10 3.0,3.2
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=8.6km s-min=8.3km az=-1.0. Presumed earthquake.
ISC X 02 10 59 04.4–2.4 12.96N–.09 90.29W–.09 10 27 1-3
SNET X 02 10 59 03.0 13N–4.0 90W–4.0 15–5 3.5,3.2L **¶625375362**
GCG X 02 10 59 05.2–.43 12.98N 90.33W 13–5 4.1,3.2L
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=7.2km s-min=4.9km az=-1.0. Presumed earthquake.
ISC X 02 22 19 10.0–3.4 13.0N–.10 90.3W–.20 24 39 1-2
SNET X 02 22 19 13.4 13N–4.0 90W–4.0 23–48 3.4,3.1 **¶625375360**
GCG X 02 22 19 13.4–.88 13.15N 90.25W 19–10 3.6,3.1
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=14.7km s-min=11.8km az=-1.0. Presumed earthquake.
ISC X 04 06 11 42.9–1.8 11.93N–.08 88.12W–.04 28–14 83 1-3
CATAC X 04 06 11 41.8–.63 12N–4.0 88W–2.0 26–7 2.8,2.8 **¶625375553**
SNET X 04 06 11 42.7 12N–5.0 88W–5.0 13–4 2.7,2.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 03 18 44 35.7–1.4 12.99N–.06 89.10W–.03 43–17 218 0-7
CATAC X 03 18 44 34.4–.70 13N–4.0 89W–2.0 24–5 3.9,3.9 **¶625375437**
SNET X 03 18 44 34.9 13N–1.0 89W–1.0 50–3 4.0,4.0
GCG X 03 18 44 36.8–.61 13.16N 89.15W 59–10 4.0,4.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.9km s-min=4.3km az=22.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=9.9km s-min=4.7km az=-1.0. Presumed earthquake.

ISC X 06 05 24 24.7–3.0 12.7N–.20 90.8W–.10 31 27 1-3
GCG X 06 05 24 29.5–1.6 13.23N 90.60W 9–43 4.1 **¶625375720**
SNET X 06 05 24 36.1 13.44N 90.23W 40 3.6,3.3
ISC Event type se.
GCG Event type se. Error ellipse: s-maj=28.9km s-min=13.6km az=-1.0. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 05 08 25 28.3–2.3 12.90N–.10 89.50W–.05 23–14 108 1-2
CATAC X 05 08 25 30.8–.69 13N–4.0 89W–3.0 25–3 2.6,2.6 **¶625375603**
SNET X 05 08 25 31.7 13N–2.0 89W–2.0 43–5 3.0,2.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 09 08 43 30.4–1.7 12.85N–.06 89.25W–.03 20–4 129 1-3
GCG X 09 08 43 32.2–1.6 12.92N 89.51W 73–41 3.2 **¶625375932**
CATAC X 09 08 43 33.4–.55 13N–3.0 89W–2.0 25–3 2.9,2.9
SNET X 09 08 43 34.4 13N–2.0 89W–2.0 40–7 3.2,3.2
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 07 21 45 18.2–1.6 11.96N–.04 89.56W–.03 2–9 4.1b 317 2-149
IDC X 07 21 45 19.6–1.8 12.01N 89.58W 0 3.5L,3.5b **¶621134140**
NEIC X 07 21 45 19.9–1.5 12.01N–.05 89.52W–.08 10–2 4.4b,3.5b
CATAC X 07 21 45 20.6–.48 12N–5.0 90W–4.0 30–10 4.4,4.4
SNET X 07 21 45 20.4 12N–2.0 90W–2.0 20–4 4.4,4.3
GCG X 07 21 45 22.9–1.4 11.98N 89.73W 39–900 4.4,4.3
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=15.5km az=35.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=3.2km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=13.3km s-min=2.3km az=43.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.11 $M_{\theta\theta}$1.90 $M_{\phi\phi}$-3.01 $M_{r\theta}$0.44 $M_{\theta\phi}$-1.75 $M_{\phi r}$-0.37 NP1:ϕ_s154.55335° ,δ78.50461°,λ15.73272°. NP2:ϕ_s61.34011°,δ74.59079°,λ168.06979°. Principal axes: T 2.6451,Plg19.1962°,Azm18.4420°; N 0.9351,Plg70.6011°,Azm189.8306° ; P -3.5801,Plg2.6920°,Azm287.5040° $M_0$3.21622×10^{15}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=26.8km s-min=16.8km az=-1.0. Presumed earthquake.
ISC X 06 06 10 40.2–1.4 12.85N–.05 88.92W–.02 21–4 226 1-3
SNET X 06 06 10 40.1 12.8N–.80 88.9W–.80 25–1 3.8,3.8 **¶625375707**
CATAC X 06 06 10 40.1–.53 13N–2.0 89W–2.0 17–3 3.6,3.6
GCG X 06 06 10 42.8–.56 13.03N 88.90W 30–4 4.4L,4.2
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. Error ellipse: s-maj=5.5km s-min=2.6km az=25.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=7.3km s-min=6.6km az=-1.0. Presumed earthquake.
ISC X 07 16 11 43.1–.99 12.68N–.05 88.36W–.03 53–9 4.3b 303 1-66
CATAC X 07 16 11 43.8–.27 13N–4.0 88W–2.0 41–8 4.0,4.0 **¶625375752**
NEIC X 07 16 11 43.4–.98 12.68N–.06 88.35W–.03 59–10 4.2b,4.0
UCR X 07 16 11 43.5–.32 13.82N 87.49W 19–3 4.0W,4.0
SNET X 07 16 11 43.7 13N–1.0 88W–1.0 46–4 4.2,4.2
GCG X 07 16 11 43.1–2.4 12.45N 89.03W 0–50 3.7,4.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.6km s-min=1.4km az=28.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.2km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=2.9km s-min=4.1km az=-1.0. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=57.7km s-min=113.2km az=-1.0. Presumed earthquake.
ISC X 09 16 03 26.5–1.3 12.80N–.04 88.95W–.03 26–12 219 1-3
SNET X 09 16 03 26.7 13N–1.0 89W–1.0 46–4 3.8,3.8 **¶625375871**
CATAC X 09 16 03 26.9–.51 13N–2.0 89W–2.0 22–3 3.7,3.7
GCG X 09 16 03 30.5–1.9 13.12N 88.86W 50–18 4.0,3.7
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. Error ellipse: s-maj=6.0km s-min=2.7km az=33.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=35.4km s-min=30.1km az=-1.0. Presumed earthquake.
ISC X 13 09 39 25.1–1.6 12.96N–.07 89.12W–.04 31–12 100 1-4
CATAC X 13 09 39 25.7–.58 13N–4.0 89W–2.0 28–3 2.9,2.9 **¶625379280**
SNET X 13 09 39 25.7 13.0N–.60 89.1W–.60 33–0 3.1,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 12 12 57 27.5–1.6 13.00N–.07 89.00W–.04 28–12 52 1-1
CATAC X 12 12 57 26.8–.92 13N–6.0 89W–3.0 30–6 2.9,2.9 **¶625379160**
SNET X 12 12 57 28.0 13N–1.0 89W–1.0 45–3 3.0,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 10 15 37 06.0–1.5 12.20N–.05 88.76W–.03 20–4 158 1-4
GCG X 10 15 37 11.3–.34 12.27N 88.96W 14–18 3.8 **¶625375957**
CATAC X 10 15 37 12.2–1.0 12N–3.0 89W–3.0 30–10 3.4,3.4
SNET X 10 15 37 12.7 12.5N–1.0 88.6W–1.0 17–1 3.8,3.7
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 18 11 15 57.3–.83 12.22N–.02 88.09W–.02 19–2 4.4b,3.5s 557 1-149
UCR X 18 11 15 58.6–.50 12.12N 87.91W 0–22 4.7W,3.5s **¶625379606**
CATAC X 18 11 15 59.7–.18 12N–2.0 88W–1.0 28 4.5,4.5
NEIC X 18 11 15 59.7–1.3 12.23N–.06 88.09W–.04 32–7 4.4b,4.5
IDC X 18 11 16 00.8–1.9 12.25N 87.97W 53–18 4.0,3.9b
SNET X 18 11 16 01.4 12N–2.0 88W–2.0 11–2 4.5,4.5
GFZ X 18 11 16 03.4–.21 12N–3.0 88W–4.0 60 5.3b,4.7
GCG X 18 11 16 04.3–3.3 12.45N 88.23W 25–754 4.8,4.7
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=14.2km s-min=38.8km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=3.8km s-min=1.4km az=29.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.17 $M_{\theta\theta}$-1.92 $M_{\phi\phi}$-0.24 $M_{r\theta}$1.30 $M_{\theta\phi}$-0.63 $M_{\phi r}$-1.14 NP1:ϕ_s99.28738° ,δ62.44369°,λ116.21027°. NP2:ϕ_s232.50809°,δ37.30693°,λ49.75537°. Principal axes: T 3.0362,Plg62.8173°,Azm52.4160°; N -0.6886,Plg23.0518°,Azm266.4576° ; P -2.3476,Plg13.6100°,Azm170.5441° $M_0$2.75715×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.67 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.66 $M_{r\theta}$1.26 $M_{\theta\phi}$-1.63 $M_{\phi r}$-0.87 NP1: ϕ_s100.89360°,δ75.71131°,λ141.86073°. NP2:ϕ_s201.86131°,δ53.23959°,λ17.94288°. Principal axes: T 2.6041,Plg36.7055°,Azm54.8169°; N -0.1818,Plg49.6568°,Azm263.4445° ; P -2.4224,Plg14.3984°,Azm155.8512° $M_0$2.51818×10^{15}

NEIC Event type se. Error ellipse: s-maj=9.8km s-min=3.7km az=214.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.7km s-min=10.1km az=48.0.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/MODELO_Guat.STF_1990. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCG Event type se. Error ellipse: s-maj=371.8km s-min=240.8km az=-1.0. Presumed earthquake.

ISC	**X**	**17 04 51 18.8–2.0**	**12.51N–.09**	**88.40W–.04**	**33–11**		**78**	**1-2**
CATAC	X	17 04 51 17.9–1.4	13N–8.0	89W–4.0	3–6	2.7,2.7	**¶625379552**	
SNET	X	17 04 51 19.2	12.5N–.70	88.4W–.70	32–0	2.9,2.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**19 09 14 22.6–2.1**	**12.67N–.09**	**89.15W–.04**	**13–9**		**86**	**1-2**
SNET	X	19 09 14 03.9–3.3	14N–22	86W–25	5	4.3,4.3	**¶625379666**	
CATAC	X	19 09 14 25.5–.82	13N–4.0	89W–3.0	16–6	2.7,2.7		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**20 14 26 24.6–1.9**	**12.69N–.09**	**89.02W–.04**	**17–10**		**56**	**1-2**
SNET	X	20 14 26 25.4	13N–2.0	89W–2.0	24–2	3.4,3.3	**¶625379727**	
GCG	X	20 14 26 26.4–.89	12.75N	89.15W	17–11	4.0,3.3		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=23.5km s-min=21.5km az=-1.0. Presumed earthquake.

ISC	**X**	**19 20 28 36.9–1.3**	**12.98N–.04**	**89.02W–.03**	**25–13**		**197**	**0-3**
CATAC	X	19 20 28 36.1–.43	13N–2.0	89W–2.0	26–3	3.5,3.5	**¶625379653**	
SNET	X	19 20 28 37.5–.93	13N–8.0	89W–3.0	24–4	3.7,3.7		
GCG	X	19 20 28 38.4–.34	13.03N	89.12W	53–15	3.6,3.7		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.1km s-min=2.4km az=31.7. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=11.6km s-min=10.8km az=-1.0. Presumed earthquake.

ISC	**X**	**22 23 44 18.6–1.5**	**12.91N–.06**	**89.12W–.04**	**27–12**		**141**	**1-3**
CATAC	X	22 23 44 20.9–.67	13N–5.0	89W–3.0	28–4	3.4,3.4	**¶625379854**	
SNET	X	22 23 44 20.9–1.0	13N–10	89W–4.0	30–5	3.4,3.4		
GCG	X	22 23 44 21.4–.32	13.16N	89.14W	66–15	3.4,3.4		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.5km s-min=3.9km az=23.5. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=18.9km s-min=16.6km az=-1.0. Presumed earthquake.

ISC	**X**	**20 23 08 29.2–1.6**	**12.61N–.06**	**88.30W–.03**	**29–14**		**126**	**1-3**
SNET	X	20 23 08 28.5	13N–2.0	88W–2.0	13–2	3.5,3.5	**¶625379708**	
CATAC	X	20 23 08 29.7–.39	13N–5.0	88W–2.0	44–11	3.3,3.3		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**22 20 41 46.7–1.4**	**12.27N–.05**	**88.08W–.03**	**19–3**		**131**	**1-2**
CATAC	X	22 20 41 46.6–.55	12N–3.0	88W–2.0	23–4	3.5,3.5	**¶625379877**	
SNET	X	22 20 41 46.4–2.7	12N–18	88W–13	10	3.8,3.8		
GCG	X	22 20 41 47.9–.33	12.22N	88.60W	0–11	3.8,3.8		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.6km s-min=3.6km az=26.2. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=17.9km s-min=42.1km az=-1.0. Presumed earthquake.

ISC	**X**	**25 03 02 45.5–1.6**	**12.81N–.06**	**88.98W–.03**	**18–5**		**112**	**1-2**
SNET	X	25 03 01 56.0–3.1	17N–25	85W–12	10	5.4b,4.9	**¶625380126**	
CATAC	X	25 03 02 48.1–.66	13N–4.0	89W–3.0	23–4	3.1,3.1		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**24 00 57 12.0–1.7**	**12.13N–.07**	**88.23W–.04**	**32–13**		**85**	**1-3**
CATAC	X	24 00 57 09.7–.71	12N–5.0	88W–3.0	25–8	3.3,3.3	**¶625380063**	
SNET	X	24 00 57 14.1–1.0	12N–10	88W–6.0	106–13	3.5,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.

SNET	**X**	**24 01 10 51.6**	**12.7N–.80**	**88.7W–.80**	**30–0**	**3.5,3.3**	**¶625380047**	

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**24 01 14 19.7–1.2**	**12.15N–.05**	**88.18W–.03**	**20–7**		**162**	**1-3**
GCG	X	24 01 14 21.5–.53	12.33N	88.44W	0–13	4.4	**¶625380025**	
SNET	X	24 01 14 21.1	12N–1.0	88W–1.0	35–2	4.0,3.8		
CATAC	X	24 01 14 23.2–.58	12N–4.0	88W–5.0	34–12	3.4,3.4		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

SNET	**X**	**24 19 56 54.0**	**13N–3.0**	**88W–3.0**	**58–3**	**3.4,3.2**	**¶625379920**	

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.

ISC	**X**	**23 01 36 15.0–1.4**	**12.97N–.04**	**89.02W–.03**	**23–14**		**201**	**0-5**
CATAC	X	23 01 36 14.9–.44	13N–3.0	89W–2.0	25–2	3.4,3.4	**¶625379891**	
SNET	X	23 01 36 16.4–.84	13N–8.0	89W–3.0	28–3	3.6,3.6		
GCG	X	23 01 36 18.1–.74	13.20N	89.10W	66–15	3.3,3.6		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.4km s-min=2.7km az=33.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=21.9km s-min=14.0km az=-1.0. Presumed earthquake.

ISC	**X**	**25 07 22 08.7–2.1**	**12.35N–.08**	**88.64W–.05**	**2–11**		**91**	**1-3**
CATAC	X	25 07 22 14.2–.84	13N–5.0	88W–3.0	26–6	2.7,2.7	**¶625380121**	
SNET	X	25 07 22 21.4–1.8	13N–16	89W–8.0	22–12	3.4,3.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**25 11 57 55.1–1.2**	**12.74N–.04**	**88.60W–.03**	**32–11**		**241**	**1-4**
CATAC	X	25 11 57 55.6–.29	13N–3.0	89W–2.0	37	3.9,3.9	**¶625380089**	
SNET	X	25 11 57 55.1–.95	13N–6.0	89W–3.0	24–6	4.0,4.0		
GCG	X	25 11 57 58.1–.68	12.93N	88.75W	27–6	4.3,4.0		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.2km s-min=1.5km az=32.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=13.3km s-min=6.5km az=-1.0. Presumed earthquake.

ISC	**X**	**26 09 54 01.4–1.3**	**12.76N–.05**	**88.23W–.04**	**67–9**		**183**	**0-4**
GCG	X	26 09 53 59.9–.34	12.75N	88.28W	94–21	3.7	**¶625380181**	
CATAC	X	26 09 54 00.6–.47	13N–4.0	88W–2.0	37–7	3.4,3.4		
SNET	X	26 09 54 00.7–.79	13N–14	88W–7.0	43–20	3.7,3.7		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**25 14 48 38.0–2.1**	**13.0N–.10**	**89.26W–.06**	**43**		**57**	**1-2**
SNET	X	25 14 48 38.1	13N–2.0	89W–2.0	33–1	3.5,3.4	**¶625380076**	
GCG	X	25 14 48 38.9–.29	13.12N	89.31W	60–14	3.2,3.4		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=15.0km s-min=13.8km az=-1.0. Presumed earthquake.

ISC	**X**	**26 20 25 21.5–1.6**	**12.90N–.06**	**89.45W–.04**	**28–12**		**166**	**1-3**
SNET	X	26 20 25 22.1–1.7	13N–13	89W–7.0	31–8	3.9,3.9	**¶625380143**	
CATAC	X	26 20 25 23.1–.71	13N–4.0	89W–4.0	27–5	3.8,3.8		
GCG	X	26 20 25 24.5–.49	13.10N	89.46W	51–10	3.9,3.8		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=8.8km s-min=7.6km az=40.7. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=9.3km s-min=4.1km az=-1.0. Presumed earthquake.

ISC	**X**	**27 11 03 36.1–2.5**	**12.63N–.08**	**90.23W–.08**	**25–14**		**166**	**1-4**
CATAC	X	27 11 03 36.2–.54	13N–2.0	90W–5.0	12–5	3.6,3.6	**¶625380279**	
SNET	X	27 11 03 36.9	13N–2.0	90W–2.0	18–1	4.0,3.8		
GCG	X	27 11 03 37.7–.97	12.84N	90.24W	8–18	4.2,3.8		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.9km s-min=4.5km az=84.2. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=14.4km s-min=7.7km az=-1.0. Presumed earthquake.

ISC	**X**	**27 01 33 21.6–1.4**	**12.70N–.05**	**88.79W–.03**	**27–12**		**123**	**1-2**
CATAC	X	27 01 33 23.2–.48	13N–3.0	89W–2.0	37–7	3.2,3.2	**¶625380337**	
SNET	X	27 01 33 26.8–.43	14N–3.0	89W–3.0	5	3.5,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**26 22 59 43.9–1.6**	**12.45N–.08**	**88.04W–.05**	**30–12**		**62**	**1-2**
CATAC	X	26 22 59 44.1–.60	12N–5.0	88W–3.0	33–4	3.0,3.0	**¶625380139**	
SNET	X	26 22 59 54.0–.30	13N–6.0	87W–3.0	5	3.7,3.7		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**27 12 04 07.6–2.1**	**12.73N–.07**	**90.22W–.06**	**20–5**		**118**	**1-3**
CATAC	X	27 12 04 06.3–.65	13N–3.0	90W–5.0	11–6	3.4,3.4	**¶625380243**	
SNET	X	27 12 04 06.2	13N–3.0	90W–3.0	13–2	3.6,3.6		
GCG	X	27 12 04 11.0–1.1	13.09N	90.21W	0–18	4.0,3.6		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=85.7. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=18.4km s-min=8.7km az=-1.0. Presumed earthquake.

ISC	**X**	**27 12 05 45.8–3.5**	**12.7N–.10**	**90.2W–.10**	**9–12**		**38**	**1-2**
SNET	X	27 12 05 47.4	13N–1.0	90W–1.0	17–0	3.6,3.4	**¶625380242**	
GCG	X	27 12 05 48.5–.70	12.83N	90.29W	11–22	4.0,3.4		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=14.4km s-min=10.1km az=-1.0. Presumed earthquake.

ISC	**X**	**30 02 24 32.4–1.9**	**12.91N–.07**	**89.53W–.05**	**32–11**		**139**	**1-4**
CATAC	X	30 02 24 34.9–.60	13N–3.0	89W–3.0	21–3	3.4,3.4	**¶625380793**	
SNET	X	30 02 24 34.8–1.4	13N–10	90W–7.0	58–13	3.7,3.7		
GCG	X	30 02 24 36.6–.57	13.15N	89.52W	44–13	3.5,3.7		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.0km s-min=5.2km az=30.4. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=13.0km s-min=5.5km az=-1.0. Presumed earthquake.

ISC	**X**	**28 15 21 19.2–1.3**	**12.52N–.06**	**88.12W–.04**	**40–39**		**93**	**1-2**
CATAC	X	28 15 21 18.6–.37	13N–3.0	88W–1.0	31–3	3.1,3.1	**¶625380362**	
SNET	X	28 15 21 18.8	13N–8.0	88W–8.0	54–26	3.1,3.1		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**X**	**29 21 59 24.9–1.2**	**12.51N–.03**	**88.20W–.02**	**16–9**		**210**	**1-4**
CATAC	X	29 21 59 26.7–.25	12N–3.0	88W–2.0	47–9	3.9,3.9	**¶625380427**	
SNET	X	29 21 59 27.2	12.5N–1.0	88.2W–1.0	30–1	4.0,3.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

SNET	**XI**	**03 01 51 45.0**	**13N–3.0**	**89W–3.0**	**55–4**	**3.2,3.1**	**¶635895293**	

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**01 03 07 54.9–.37**	**12.81N–.03**	**88.68W–.02**	**58–3**	**4.9b,4.2s**	**873**	**1-152**
GCMT	XI	01 03 07 54.9–.20	12.76N–.01	88.81W–.01	52–1	5.1W,4.2s	**¶635690454**	
SNET	XI	01 03 07 55.9	12.8N–.60	88.7W–.60	52–2	5.3,5.3		
CATAC	XI	01 03 07 55.5–.28	13N–2.0	89W–2.0	39–8	5.3,5.3		
NEIC	XI	01 03 07 56.3–1.9	12.87N–.04	88.63W–.05	61–3	5.0b,5.0		
GCG	XI	01 03 07 56.8–1.5	12.87N	88.80W	25–13	4.9,5.0		
IDC	XI	01 03 07 56.8–1.2	13.00N	88.48W	72–10	4.6,4.2b		
GFZ	XI	01 03 07 59.1–.28	13N–3.0	89W–4.0	77	5.5b,5.2L		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111010307A. Moment Tensor Solution. s67,c89; s118,c176; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.25±.15 $M_{\theta\theta}$2.48±.11; $M_{\phi\phi}$0.77±.12; $M_{r\theta}$1.77±.08; $M_{\theta\phi}$-2.03±.08; $M_{\phi r}$-2.91±.09; Best double couple: NP1:ϕ_s104.00000°,δ27.00000°,λ-124.00000°. NP2:ϕ_s321.00000°,δ68.00000°,λ-74.00000°. Principal axes:
T 5.0310,Plg21.0000°,Azm39.0000°; N -0.1920,Plg15.0000°,Azm135.0000°
; P -4.8380,Plg64.0000°,Azm257.0000° $M_0$4.93400×10^{16}
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.18 $M_{\theta\theta}$2.79 $M_{\phi\phi}$0.39 $M_{r\theta}$1.38 $M_{\theta\phi}$-1.71 $M_{\phi r}$-2.49 NP1:ϕ_s96.96093°,δ31.04875°,λ-126.80504°. NP2:ϕ_s318.09361°,δ65.60885°,λ-70.16734°. Principal axes:

T 4.4660,Plg18.2877°,Azm33.4584°; N 0.0245,Plg17.9986°,Azm129.6221°
; P -4.4905,Plg63.8714°,Azm261.1016° $M_0$4.47829×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**01 07 37 41.4–.60**	**12.90N–.03**	**88.74W–.02**	**62–5**	**4.4b**	**759**	**0-148**
NEIC	XI	01 07 37 42.5–1.0	12.88N–.06	88.72W–.06	67–7	4.4b		¶635690443
CATAC	XI	01 07 37 42.6–.23	13N–2.0	89W–1.0	37–4	4.8,4.8		
GFZ	XI	01 07 37 43.1–.71	13N–5.0	89W–7.0	72–7	5.1b,4.7L		
GCG	XI	01 07 37 43.7–1.2	12.98N	88.81W	30–12	4.6,4.7L		
SNET	XI	01 07 37 43.1	13.0N–.60	88.7W–.60	47–2	5.0,5.0		
IDC	XI	01 07 37 46.7–2.3	13.30N	88.12W	102–21	4.2,3.9b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.5km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=4.8km s-min=1.4km az=37.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ Error ellipse: s-maj=15.2km s-min=8.0km az=63.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCG Event type se. Error ellipse: s-maj=23.1km s-min=15.0km az=-1.0. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
IDC Error ellipse: s-maj=30.8km s-min=11.2km az=61.0.

ISC	**XI**	**02 07 58 12.3–.82**	**12.25N–.04**	**88.05W–.03**	**54–8**	**4.5b,3.4s**	**568**	**1-149**
SNET	XI	02 07 58 06.8–.54	12N–5.0	88W–3.0	10	4.8,4.8		¶635690493
CATAC	XI	02 07 58 10.2–.21	12N–2.0	88W–1.0	28	4.7,4.7		
NEIC	XI	02 07 58 12.8–2.2	12.23N–.07	88.00W–.06	54–8	4.5b,4.7		
IDC	XI	02 07 58 14.4–2.4	12.53N	87.54W	74–23	4.2,3.9b		
UCR	XI	02 07 58 14.7–.99	11.32N	88.06W	0–381	4.3W,3.9b		
GFZ	XI	02 07 58 15.4–.18	12N–3.0	88W–4.0	69	5.4b,4.9		
UPA	XI	02 07 58 48.5–.92	10.47N	85.88W	10–60	4.7W,4.9		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=4.6km s-min=1.5km az=25.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.09 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$1.27 $M_{r\theta}$1.14 $M_{\theta\phi}$0.17 $M_{\phi r}$1.10 NP1:ϕ_s317.00918° ,δ40.09954°,λ177.21642°. NP2:ϕ_s49.13910°,δ88.20746°,λ49.93378°. Principal axes: T 2.1010,Plg34.2638°,Azm285.7227°; N -0.0680,Plg40.0426°,Azm50.6462° ; P -2.0331,Plg31.2495°,Azm171.3059° $M_0$2.06789×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.12 $M_{\theta\theta}$-1.31 $M_{\phi\phi}$1.44 $M_{r\theta}$1.24 $M_{\theta\phi}$0.05 $M_{\phi r}$1.23 NP1: ϕ_s316.94717°,δ38.22138°,λ-176.80826°. NP2:ϕ_s224.43866°,δ88.02590°,λ-51.82185°. Principal axes: T 2.2391,Plg32.0841°,Azm283.3840°; N -0.0324,Plg38.1514°,Azm42.8871° ; P -2.2068,Plg35.4421°,Azm166.8828° $M_0$2.22313×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.09 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$1.27 $M_{r\theta}$1.14 $M_{\theta\phi}$0.17 $M_{\phi r}$1.10 NP1: ϕ_s317.00918°,δ40.09954°,λ177.21642°. NP2:ϕ_s49.13910°,δ88.20746°,λ49.93378°. Principal axes: T 2.1010,Plg34.2638°,Azm285.7227°; N -0.0680,Plg40.0426°,Azm50.6462° ; P -2.0331,Plg31.2495°,Azm171.3059° $M_0$2.06789×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.05 $M_{\theta\theta}$-1.50 $M_{\phi\phi}$1.45 $M_{r\theta}$1.11 $M_{\theta\phi}$0.15 $M_{\phi r}$1.08 NP1: ϕ_s316.93044°,δ43.84389°,λ178.35950°. NP2:ϕ_s48.11377°,δ88.86372°,λ46.16785°. Principal axes: T 2.1744,Plg31.6015°,Azm283.0166°; N -0.0508,Plg43.8213°,Azm49.2044° ; P -2.1237,Plg29.7333°,Azm172.4435° $M_0$2.14949×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.09 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$1.27 $M_{r\theta}$1.14 $M_{\theta\phi}$0.17 $M_{\phi r}$1.10 NP1: ϕ_s317.00918°,δ40.09954°,λ177.21642°. NP2:ϕ_s49.13910°,δ88.20746°,λ49.93378°. Principal axes: T 2.1010,Plg34.2638°,Azm285.7227°; N -0.0680,Plg40.0426°,Azm50.6462° ; P -2.0331,Plg31.2495°,Azm171.3059° $M_0$2.06789×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.05 $M_{\theta\theta}$-1.50 $M_{\phi\phi}$1.45 $M_{r\theta}$1.11 $M_{\theta\phi}$0.15 $M_{\phi r}$1.08 NP1: ϕ_s316.93044°,δ43.84389°,λ178.35950°. NP2:ϕ_s48.11377°,δ88.86372°,λ46.16785°. Principal axes: T 2.1744,Plg31.6015°,Azm283.0166°; N -0.0508,Plg43.8213°,Azm49.2044° ; P -2.1237,Plg29.7333°,Azm172.4435° $M_0$2.14949×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.71 $M_{\theta\theta}$-2.15 $M_{\phi\phi}$2.85 $M_{r\theta}$1.96 $M_{\theta\phi}$0.18 $M_{\phi r}$1.77 NP1: ϕ_s320.59596°,δ42.88266°,λ-169.19359°. NP2:ϕ_s222.63397°,δ82.66979°,λ-47.62817°. Principal axes: T 3.7400,Plg25.3352°,Azm280.8135°; N -0.1018,Plg41.9461°,Azm35.9953° ; P -3.6381,Plg37.4703°,Azm169.5351° $M_0$3.69011×10^{15}
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.7km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.4km s-min=11.6km az=59.0.
UCR Event type se. Error ellipse: s-maj=301.9km s-min=735.5km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
UPA Event type se. Error ellipse: s-maj=90.3km s-min=184.1km az=-1.0. Presumed earthquake.

ISC	**XI**	**04 03 46 19.3–1.5**	**12.51N–.05**	**88.25W–.04**	**33–11**		**108**	**1-3**
CATAC	XI	04 03 46 19.5–.42	13N–3.0	88W–2.0	34–5	2.9,2.9		¶635690675
SNET	XI	04 03 46 23.0–.81	13N–10	88W–5.0	69–11	3.2,3.2		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XI**	**03 05 41 31.3–1.9**	**13.0N–.10**	**88.64W–.05**	**67**		**55**	**0-2**
SNET	XI	03 05 41 30.1	13N–4.0	89W–4.0	53–6	3.3,3.2		¶635690525
GCG	XI	03 05 41 37.2–.37	13.35N	90.43W	13–110	3.5,3.2		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=58.5km s-min=15.8km az=-1.0. Presumed earthquake.

ISC	**XI**	**13 06 04 41.3–2.0**	**12.15N–.07**	**88.36W–.05**	**3–11**		**56**	**1-4**
CATAC	XI	13 06 04 44.0–.55	12N–2.0	88W–2.0	10–3	2.8,2.8		¶626091208
SNET	XI	13 06 04 55.9–1.6	12N–15	87W–4.0	10	3.9,3.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XI**	**05 08 05 51.8–1.9**	**12.54N–.07**	**88.71W–.05**	**12–11**		**36**	**1-3**
CATAC	XI	05 08 05 54.3–.77	13N–4.0	89W–3.0	15	2.1,2.1		¶635690710
SNET	XI	05 08 06 14.7–.66	13N–6.0	89W–3.0	10	2.9,2.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XI**	**10 11 29 05.1–1.3**	**13.00N–.05**	**88.85W–.03**	**20–6**		**155**	**0-2**
CATAC	XI	10 11 29 05.7–.51	13N–4.0	89W–2.0	30–3	3.3,3.3		¶635691558
SNET	XI	10 11 29 06.2	13N–5.0	89W–5.0	58–6	3.4,3.4		
GCG	XI	10 11 29 07.5–.89	13.30N	88.95W	0–29	3.8,3.4		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.8km s-min=2.8km az=29.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=49.3km s-min=25.4km az=-1.0. Presumed earthquake.

ISC	**XI**	**09 19 06 30.4–1.3**	**12.55N–.04**	**88.34W–.03**	**25–13**		**148**	**1-4**
SNET	XI	09 19 06 29.7–.63	12N–5.0	88W–4.0	10	3.7,3.7		¶635691393
CATAC	XI	09 19 06 32.0–.38	13N–3.0	88W–2.0	39–7	3.3,3.3		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**13 07 25 25.4–1.7**	**12.62N–.07**	**88.67W–.04**	**30–12**		**81**	**1-2**
CATAC	XI	13 07 25 25.6–.50	13N–3.0	89W–2.0	31–5	2.7,2.7		¶635691715
SNET	XI	13 07 25 27.6	13N–1.0	89W–1.0	28–1	3.2,3.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**16 05 36 50.0–1.4**	**12.14N–.05**	**88.18W–.03**	**17–9**		**176**	**1-4**
CATAC	XI	16 05 36 47.8–.40	12N–2.0	88W–1.0	13–3	3.5,3.5		¶635691919
SNET	XI	16 05 36 51.5	12N–2.0	88W–2.0	20–1	3.8,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**14 00 10 18.0–3.9**	**13.0N–.20**	**89.87W–.10**	**29–15**		**14**	**1-2**
GCG	XI	14 00 10 18.4–.72	12.99N	90.00W	30–95	3.7		¶626020738
SNET	XI	14 00 10 20.5	13N–2.0	90W–2.0	33–1	2.9,2.8		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**13 11 54 54.4–1.3**	**12.74N–.04**	**88.73W–.03**	**24–13**		**204**	**1-4**
CATAC	XI	13 11 54 53.3–.57	13N–3.0	89W–2.0	27–4	4.1,4.1		¶635691688
GCG	XI	13 11 54 55.5–1.3	12.78N	88.84W	18–14	4.0,4.1		
SNET	XI	13 11 54 56.0	13N–2.0	89W–2.0	39–20	4.0,3.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**16 20 45 46.4–2.0**	**12.88N–.08**	**90.11W–.05**	**19–3**		**35**	**1-4**
CATAC	XI	16 20 45 43.8–.69	13N–3.0	90W–4.0	12	3.4,3.4		¶626020781
GCG	XI	16 20 45 48.9–1.8	13.10N	90.23W	22–15	3.9,3.4		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.0km s-min=6.2km az=62.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=16.8km s-min=14.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**16 06 42 50.9–1.2**	**12.55N–.04**	**88.02W–.02**	**25–13**		**232**	**1-2**
CATAC	XI	16 06 42 51.4–.17	13N–2.0	88W–1.0	28	3.5,3.5		¶635691875
SNET	XI	16 06 42 52.2	13N–1.0	88W–1.0	44–4	3.9,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**16 15 58 53.9–1.2**	**12.03N–.03**	**88.27W–.02**	**16–7**	**4.8b,3.7s**	**390**	**1-149**
IDC	XI	16 15 58 52.8–.84	12.45N	88.00W	0	4.1b,4.1		¶621412341
NEIC	XI	16 15 58 54.7–1.1	12.15N–.07	88.16W–.06	10–1	4.8b,4.1		
CATAC	XI	16 15 58 55.5–.38	12N–2.0	88W–1.0	19–3	4.1,4.1		
SNET	XI	16 15 58 56.9–.35	12N–4.0	88W–2.0	10	4.1,4.1		
GCG	XI	16 15 58 59.0–.76	12.26N	88.62W	0–7	4.3L,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=10.1km az=42.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.2km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=4.6km s-min=1.8km az=32.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=11.8km s-min=12.5km az=-1.0. Presumed earthquake.

ISC	**XI**	**16 05 16 01.5–1.4**	**11.99N–.05**	**88.25W–.03**	**13–10**		**192**	**1-4**
CATAC	XI	16 05 16 01.3–.41	12N–2.0	88W–1.0	13–2	3.6,3.6		¶635691950
SNET	XI	16 05 16 03.1	12N–1.0	88W–1.0	19–1	4.1,3.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**17 17 41 03.0–1.1**	**12.51N–.04**	**88.07W–.03**	**31–11**		**215**	**1-4**
GCG	XI	17 17 41 02.9–2.9	12.54N	87.98W	32–999	4.3		¶635692007
SNET	XI	17 17 41 03.8	13N–1.0	88W–1.0	48–4	4.0,3.9		
CATAC	XI	17 17 41 03.5–.36	13N–2.0	88W–2.0	31–3	3.9,3.9		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**17 11 17 32.5–1.4**	**12.70N–.06**	**88.14W–.04**	**58–12**		**94**	**1-2**
CATAC	XI	17 11 17 32.0–.41	13N–3.0	88W–2.0	34–3	3.2,3.2		¶626091248
SNET	XI	17 11 17 32.3	13N–5.0	88W–5.0	69–7	3.6,3.3		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**16 16 00 00.1–2.3**	**12.05N–.08**	**88.24W–.05**	**19–4**		**76**	**1-2**
CATAC	XI	16 15 59 59.4–.55	12N–3.0	88W–2.0	17–5	4.0,4.0		¶635753734
SNET	XI	16 16 00 03.9	12N–7.0	88W–7.0	81–12	3.9,3.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.

ISC	**XI**	**16 16 27 12.2–1.5**	**12.19N–.05**	**88.21W–.03**	**24–14**		**105**	**1-3**
CATAC	XI	16 16 27 09.4–.67	12N–3.0	88W–2.0	25–6	3.4,3.4		¶635691800
SNET	XI	16 16 27 14.9	12N–1.0	88W–1.0	20–3	3.8,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/MODELO_GRISELDA_1998. confirmed.

ISC	**XI**	**17 17 48 00.3–.73**	**12.74N–.04**	**88.34W–.03**	**59–6**	**4.3b,3.3s**	**412**	**1-139**
CATAC	XI	17 17 48 00.7–.59	13N–4.0	88W–2.0	28–5	4.8,4.8		¶635691998
IDC	XI	17 17 48 02.0–1.7	12.75N	88.27W	78–19	3.8,3.4b		
NEIC	XI	17 17 48 01.1–1.8	12.80N–.05	88.31W–.05	64–7	4.5b,3.4b		
SNET	XI	17 17 48 01.1	12.8N–.80	88.3W–.80	50–3	4.8,4.7		
GCG	XI	17 17 48 04.8–.98	13.03N	88.53W	23–9	4.5,4.7		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.7km s-min=2.2km az=27.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.00 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$2.17 $M_{r\theta}$1.14 $M_{\theta\phi}$-0.14 $M_{\phi r}$-0.33 NP1:ϕ_s198.70405° ,δ44.53221°,λ-53.45666°. NP2:ϕ_s332.58994°,δ55.70616°,λ-120.36119°. Principal axes: T 2.2239,Plg6.0649°,Azm83.6544°; N 0.3324,Plg24.6820°,Azm350.8556° ; P -2.5572,Plg64.4854°,Azm186.5169° $M_0$2.40786×10^{15}
IDC Error ellipse: s-maj=41.1km s-min=11.4km az=46.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=5.5km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
GCG Event type se. Error ellipse: s-maj=15.6km s-min=10.0km az=-1.0. Presumed earthquake.

ISC	**XI**	**22 10 22 23.8–1.4**	**12.74N–.05**	**88.61W–.03**	**27–12**		**125**	**1-2**
SNET	XI	22 10 22 23.4	13N–1.0	89W–1.0	15–1	3.3,3.3		¶626020876
CATAC	XI	22 10 22 24.7–.55	13N–4.0	89W–2.0	35–6	3.1,3.1		
GCG	XI	22 10 22 27.0–.74	13.01N	88.76W	91–18	3.7,3.1		

ISC Event type se.

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-EL_SALVADOR. confirmed.
CATAC Event type se. Error ellipse: s-maj=8.3km s-min=4.0km az=17.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=15.0km s-min=11.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**17 21 22 51.6–2.3**	**12.91N–.09**	**90.07W–.07**	**15–11**		**41**	**1-4**
GCG	XI	17 21 22 56.4–1.3	13.20N	90.11W	22–6	3.6		**¶626020828**
SNET	XI	17 21 23 03.4–.66	14N–8.0	90W–4.0	33–5	2.9,2.9		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XI**	**19 04 43 18.2–2.9**	**12.81N–.04**	**89.03W–.03**	**17–22**		**236**	**1-5**
CATAC	XI	19 04 43 18.1–.41	13N–2.0	89W–1.0	20–3	3.8,3.8		**¶626020858**
SNET	XI	19 04 43 18.1	13N–1.0	89W–1.0	21–1	3.9,3.9		
GCG	XI	19 04 43 19.9–.45	12.90N	89.02W	29–4	4.3,4.2L		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.4km s-min=2.2km az=30.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=7.7km s-min=6.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**20 18 37 31.3–1.3**	**12.73N–.05**	**88.73W–.03**	**32–11**		**110**	**1-2**
SNET	XI	20 18 37 31.9–1.4	13N–10	89W–4.0	28–10	3.6,3.6		**¶635692243**
CATAC	XI	20 18 37 32.0–.46	13N–2.0	89W–2.0	29–3	3.4,3.4		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**21 12 40 27.6–2.0**	**12.82N–.09**	**88.78W–.04**	**32–12**		**58**	**1-1**
CATAC	XI	21 12 40 28.3–.82	13N–6.0	89W–4.0	34–9	3.0,3.0		**¶626091264**
SNET	XI	21 12 40 28.2	13N–6.0	89W–6.0	30–15	3.4,3.2		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.

ISC	**XI**	**17 20 24 01.3–1.5**	**12.76N–.06**	**88.96W–.03**	**31–12**		**107**	**1-2**
CATAC	XI	17 20 24 02.3–.47	13N–3.0	89W–2.0	31–4	3.2,3.2		**¶635691977**
SNET	XI	17 20 24 02.8	13N–2.0	89W–2.0	35–360	3.4,3.3		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC	**XI**	**18 02 25 07.9–1.6**	**12.67N–.06**	**88.75W–.03**	**20–5**		**117**	**1-3**
SNET	XI	18 02 25 07.9–1.3	13N–10	89W–3.0	10	3.6,3.6		**¶626091250**
CATAC	XI	18 02 25 08.9–.64	13N–3.0	89W–2.0	28–6	3.1,3.1		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**20 03 38 21.6–1.0**	**12.89N–.04**	**88.80W–.03**	**22–8**		**233**	**0-7**
CATAC	XI	20 03 38 22.3–.40	13N–3.0	89W–1.0	29–2	4.1,4.1		**¶635692249**
SNET	XI	20 03 38 23.5	13N–1.0	89W–1.0	57–3	4.0,4.0		
GCG	XI	20 03 38 34.7–.33	13.69N	89.29W	26–2	4.1,4.0		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.0km s-min=2.4km az=19.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
GCG Event type se. Error ellipse: s-maj=4.1km s-min=5.8km az=-1.0. Presumed earthquake.

ISC	**XI**	**23 01 30 26.5–1.1**	**12.9N–.10**	**88.90W–.03**	**47–31**		**53**	**1-2**
CATAC	XI	23 01 30 27.0–.62	13N–4.0	89W–2.0	29–4	3.2,3.2		**¶626091271**
SNET	XI	23 01 30 28.1	13N–2.0	89W–2.0	39–14	3.2,3.2		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC	**XI**	**23 03 17 23.1–3.0**	**12.8N–.10**	**90.4W–.20**	**24**		**33**	**1-4**
GCG	XI	23 03 17 23.7–.58	13.01N	90.49W	4–27	3.7		**¶635692447**
SNET	XI	23 03 17 23.7	13N–3.0	90W–3.0	17–2	3.1,3.1		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC	**XI**	**23 04 34 55.7–2.5**	**12.9N–.10**	**90.42W–.09**	**20–6**		**88**	**1-3**
CATAC	XI	23 04 34 53.6–.59	13N–3.0	90W–5.0	7–5	3.2,3.2		**¶635692425**
SNET	XI	23 04 34 56.2	13N–3.0	90W–3.0	22–1	3.4,3.1		
GCG	XI	23 04 34 58.1–1.4	13.11N	90.42W	13–26	3.7,3.1		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.3km s-min=6.3km az=105.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=13.5km s-min=9.0km az=-1.0. Presumed earthquake.

ISC	**XI**	**23 10 19 45.0–3.2**	**12.8N–.10**	**90.6W–.10**	**24**		**41**	**1-6**
GCG	XI	23 10 19 46.6–1.0	12.88N	90.53W	34–124	3.7		**¶626020905**
SNET	XI	23 10 19 48.6	13N–15	90W–15	33–333	3.3,3.2		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC	**XI**	**23 05 56 34.0–.64**	**12.96N–.03**	**90.25W–.03**	**32–3**	**5.3b,5.1s**	**1375**	**1-158**
IDC	XI	23 05 56 29.8–.43	13.27N	89.94W	0	5.0s,4.9b		**¶635692406**
CATAC	XI	23 05 56 30.8–.29	13N–1.0	90W–2.0	8–2	5.9b,5.9		
GCG	XI	23 05 56 31.0–1.3	12.76N	90.51W	50–22	5.7,5.6L		
NEIC	XI	23 05 56 32.8–1.7	12.99N–.06	90.26W–.04	18–1	5.4b,5.3		
GFZ	XI	23 05 56 33.2	13.06N	90.24W	16	5.6W,5.3		
NEIC	XI	23 05 56 33	12.98N	90.27W	19	5.6W,5.3		
PTWC	XI	23 05 56 33	13.00N	90.30W	10	5.4,5.3		
MOS	XI	23 05 56 34.8–.87	13.17N	90.14W	50	5.5b,5.1s		
GCMT	XI	23 05 56 35.4–.10	12.91N–.01	90.59W–.01	16–0	5.5W,5.1s		
BJI	XI	23 05 56 36.3	13.00N	90.20W	51	5.8b,5.6s		
GFZ	XI	23 05 56 37.0–.13	13N–2.0	90W–3.0	55	5.8,5.7b		
SNET	XI	23 05 56 36.4–.25	13N–2.0	90W–2.0	51–2	5.7b,5.6b		
NEIC	XI	23 05 56 36.2	13.00N	90.25W	51	5.7b,5.6b		
IPGP	XI	23 05 56 36.0	13.01N	90.24W	19	5.4W,5.6b		
NEIC	XI	23 05 56 37	12.90N	90.66W	20	5.5,5.6b		

ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=7.7km az=45.0.
CATAC Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=86.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.10 $M_{\theta\phi}$0.56 $M_{\phi r}$0.18 NP1:ϕ_s110.80371°,δ45.59553°,λ80.21328°. NP2:ϕ_s304.65187°,δ45.24946°,λ99.84572°. Principal axes: T 1.5731,Plg83.0227°,Azm299.1315°; N -0.1168,Plg6.9751°,Azm117.6858°; P -1.4563,Plg0.1743°,Azm207.7071° $M_0$1.51807×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.10 $M_{\phi\phi}$-0.15 $M_{r\theta}$0.23 $M_{\theta\phi}$1.46 $M_{\phi r}$-0.02 NP1:ϕ_s110.00084°,δ50.77856°,λ67.29564°. NP2:ϕ_s323.49299°,δ44.38344°,λ115.30910°. Principal axes: T 1.2904,Plg72.2637°,Azm316.3755°; N 0.8778,Plg17.3987°,Azm124.8196°; P -2.1682,Plg3.3385°,Azm215.8670° $M_0$1.88900×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$-0.24 $M_{r\theta}$0.18 $M_{\theta\phi}$1.39 $M_{\phi r}$0.04 NP1:ϕ_s111.29193°,δ49.54882°,λ66.93535°. NP2:ϕ_s324.56880°,δ45.56252°,λ114.67856°. Principal axes: T 1.2728,Plg72.5231°,Azm314.0095°; N 0.7833,Plg17.3448°,Azm126.7355°; P -2.0561,Plg2.0801°,Azm217.3854° $M_0$1.79735×10^{17}
GCG Event type se. Error ellipse: s-maj=12.9km s-min=7.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=2.9km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.82 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$-0.16 $M_{r\theta}$0.58 $M_{\theta\phi}$0.61 $M_{\phi r}$-0.18 NP1:ϕ_s318.66000°,δ30.74000°,λ113.02000°. NP2:ϕ_s112.36000°,δ61.94000°,λ76.91000°. Principal axes: T 1.0196,Plg70.0000°,Azm354.0000°; N 0.2145,Plg12.0000°,Azm119.0000°; P -1.2340,Plg16.0000°,Azm212.0000° $M_0$1.14000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.36 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$-0.42 $M_{r\theta}$2.30 $M_{\theta\phi}$0.50 $M_{\phi r}$-0.98 NP1:ϕ_s114.09159°,δ76.29520°,λ87.05000°. NP2:ϕ_s306.36296°,δ14.01276°,λ101.91679°. Principal axes: T 2.8821,Plg58.6045°,Azm20.0859°; N -0.1344,Plg2.8659°,Azm114.7911°; P -2.7477,Plg31.2342°,Azm206.5308° $M_0$2.81733×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=9.3km s-min=4.7km az=106.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111230556A. Moment Tensor Solution. s127,c231; s143,c280;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.52±.02 $M_{\theta\theta}$-1.22±.02; $M_{\phi\phi}$-0.29±.02; $M_{r\theta}$1.27±.06; $M_{\theta\phi}$0.63±.01; $M_{\phi r}$-1.61±.07; Best double couple: NP1:ϕ_s282.00000°,δ21.00000°,λ57.00000°. NP2:ϕ_s136.00000°,δ72.00000°,λ102.00000°. Principal axes: T 2.6340,Plg61.0000°,Azm63.0000°; N -0.1560,Plg11.0000°,Azm312.0000°; P -2.4750,Plg26.0000°,Azm217.0000° $M_0$2.55500×10^{17}
GFZ Error ellipse: s-maj=6.5km s-min=3.6km az=63.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SNET Error ellipse: s-maj=5.0km s-min=3.3km az=52.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s301.00000°,δ26.00000°,λ89.00000°. NP2:ϕ_s122.00000°,δ64.00000°,λ91.00000°.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.75 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$-0.46 $M_{r\theta}$1.02 $M_{\theta\phi}$0.50 $M_{\phi r}$-1.27 NP1:ϕ_s285.43000°,δ24.71000°,λ65.44000°. NP2:ϕ_s132.13000°,δ67.66000°,λ100.82000°. Principal axes: T 2.4781,Plg66.0000°,Azm61.0000°; N -0.3571,Plg10.0000°,Azm308.0000°; P -2.1210,Plg22.0000°,Azm214.0000° $M_0$2.32000×10^{17}

ISC	**XI**	**23 07 13 43.0–2.5**	**12.9N–.10**	**90.4W–.10**	**24**		**49**	**1-4**
GCG	XI	23 07 13 42.5–1.0	12.87N	90.53W	31–68	3.7		**¶635692386**
SNET	XI	23 07 13 43.9	13N–2.0	90W–2.0	1–3	3.3,3.3		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.

ISC	**XI**	**24 05 15 52.3–1.8**	**12.41N–.07**	**89.65W–.06**	**10**		**112**	**1-3**
CATAC	XI	24 05 15 53.4–.56	12N–2.0	90W–3.0	12–4	3.3,3.3		**¶626020911**
GCG	XI	24 05 15 57.5–.31	12.74N	89.91W	12–10	3.9,3.3		
SNET	XI	24 05 15 58.3	13N–4.0	90W–4.0	15–4	3.9,3.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC	**XI**	**23 20 43 50.1–2.0**	**12.45N–.07**	**90.54W–.07**	**18–5**		**76**	**1-6**
CATAC	XI	23 20 43 56.6	13N–4.0	91W–4.0	5–6	3.5,3.5		**¶626020909**
SNET	XI	23 20 44 01.1	13N–2.0	90W–2.0	13–4	3.5,3.4		
GCG	XI	23 20 44 02.2–1.4	13.07N	90.41W	35–15	3.4,3.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
GCG Event type se. Error ellipse: s-maj=15.3km s-min=12.2km az=-1.0. Presumed earthquake.

ISC	**XI**	**30 06 30 48.7–1.3**	**12.94N–.04**	**89.05W–.03**	**27–12**		**224**	**1-3**
CATAC	XI	30 06 30 49.3–.32	13N–2.0	89W–1.0	29–2	3.2,3.2		**¶626020950**
SNET	XI	30 06 30 49.6	13N–2.0	89W–2.0	46–3	3.6,3.3		
GCG	XI	30 06 30 51.2–.82	13.14N	88.98W	45–36	3.6,3.3		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.6km s-min=2.0km az=26.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=20.0km s-min=17.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**24 10 55 02.2–1.4**	**12.92N–.04**	**90.37W–.03**	**11–8**	**4.1b,3.5s**	**264**	**1-147**
CATAC	XI	24 10 54 59.5–.42	13N–2.0	91W–3.0	7–3	4.2,4.2		**¶635692535**
IDC	XI	24 10 55 00.6–.99	13.26N	90.11W	0	3.9b,3.9		
GCG	XI	24 10 55 04.8–1.5	13.08N	90.48W	13–14	4.0,3.9		
SNET	XI	24 10 55 05.9–2.4	13N–11	90W–15	10	4.1,4.1		
NEIC	XI	24 10 55 07.7–1.4	13.04N–.06	90.17W–.02	43–15	4.1b,4.1		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**24 15 45 09.4–1.4**	**12.84N–.07**	**88.79W–.03**	**60–13**		**128**	**1-7**
CATAC	XI	24 15 45 10.4–.34	13N–3.0	89W–2.0	39–4	3.4,3.4		**¶635692531**
SNET	XI	24 15 45 12.5	13N–8.0	89W–8.0	41–36	3.4,3.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC	**XI**	**26 06 12 46.9–2.0**	**12.94N–.07**	**90.38W–.05**	**10–10**		**84**	**1-4**
CATAC	XI	26 06 12 45.6–.92	13N–5.0	90W–4.0	3–5	3.1,3.1		**¶635692620**
GCG	XI	26 06 12 47.8–.93	13.03N	90.44W	3–18	4.0,3.1		
SNET	XI	26 06 12 51.2	13N–14	90W–14	8–16	3.4,3.4		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.

ISC	**XI**	**28 21 27 32.4–2.4**	**12.8N–.10**	**89.12W–.05**	**9–12**		**34**	**1-3**
CATAC	XI	28 21 27 35.3–1.1	13N–8.0	89W–3.0	30–9	2.8,2.8		**¶635692645**
SNET	XI	28 21 27 35.5	13N–8.0	89W–8.0	20–98	3.2,3.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC	**XI**	**30 14 09 30.9–1.6**	**12.67N–.07**	**88.96W–.03**	**26–12**		**108**	**1-4**
CATAC	XI	30 14 09 33.1–.66	13N–3.0	89W–2.0	21–4	3.3,3.3		**¶626091315**
SNET	XI	30 14 09 34.4	13N–2.0	89W–2.0	35–323	3.5,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC	**XII**	**01 08 21 12.6–.87**	**12.62N–.03**	**88.80W–.02**	**26–6**	**4.5b,3.2s**	**377**	**1-148**
IDC	XII	01 08 21 12.2–2.3	12.77N	88.74W	23–14	4.0b,4.0		**¶625380973**
CATAC	XII	01 08 21 16.8–.23	13N–1.0	89W–1.0	36–4	4.8,4.8		
SNET	XII	01 08 21 16.9–.30	13N–2.0	89W–1.0	31–3	5.4b,5.4b		
NEIC	XII	01 08 21 17.6–2.2	12.75N–.07	88.78W–.06	60–2	4.4b,5.4b		
GCG	XII	01 08 21 19.0–.78	12.91N	88.88W	29–7	4.9L,4.4		

ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=10.5km az=52.0.

CATAC Event type se. Error ellipse: s-maj=3.4km s-min=1.2km az=37.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET Error ellipse: s-maj=3.9km s-min=1.7km az=35.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.6km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=8.9km s-min=8.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**02 16 59 04.8–1.6**	**12.95N–.06**	**88.76W–.03**	**34–3**		**67**	**1-2**
CATAC	XII	02 16 59 03.8–.55	13N–4.0	89W–2.0	30–4	3.1,3.1	**¶625381040**	
SNET	XII	02 16 59 04.8	13N–3.0	89W–3.0	62–5	3.1,3.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC	**XII**	**01 19 01 02.2–1.5**	**12.57N–.05**	**88.03W–.03**	**11–12**		**67**	**1-2**
CATAC	XII	01 19 01 04.9–.37	13N–3.0	88W–2.0	33–3	3.0,3.0	**¶625380946**	
SNET	XII	01 19 01 14.9–.35	13N–8.0	87W–4.0	10	3.8,3.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XII**	**01 22 30 44.6–.99**	**12.46N–.04**	**89.54W–.03**	**15–5**	**4.6b,3.7s**	**202**	**1-148**
CATAC	XII	01 22 30 42.5–.74	12N–3.0	90W–2.0	5–4	4.2,4.2	**¶625380941**	
IDC	XII	01 22 30 44.1–.99	12.91N	89.19W	0	4.3b,4.3		
GFZ	XII	01 22 30 45.4–.52	12N–5.0	90W–5.0	24–2	4.6b,4.6		
NEIC	XII	01 22 30 46.1–1.6	12.60N–.06	89.40W–.07	10–1	4.7b,4.6		
SNET	XII	01 22 30 47.9	13N–2.0	89W–2.0	11–4	4.3,4.2		
GCG	XII	01 22 30 47.8–.67	12.59N	89.77W	15–9	4.5,4.2		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.2km s-min=4.0km az=31.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=33.7km s-min=11.9km az=37.0.
GFZ Error ellipse: s-maj=14.5km s-min=7.0km az=46.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.9km az=243.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
GCG Event type se. Error ellipse: s-maj=7.3km s-min=9.4km az=-1.0. Presumed earthquake.

SNET	**XII**	**01 22 41 07.7**	**13N–2.0**	**89W–2.0**	**27–2**	**3.5,3.3**	**¶635893381**	

SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC	**XII**	**01 22 41 43.4–2.2**	**12.46N–.09**	**89.61W–.05**	**17–10**		**64**	**1-3**
CATAC	XII	01 22 41 42.7–.65	12N–3.0	90W–3.0	11–5	3.6,3.6	**¶625380920**	
GCG	XII	01 22 41 49.4–1.1	12.82N	89.51W	0–23	4.7,3.6		
SNET	XII	01 22 42 00.4–.67	14N–6.0	90W–3.0	10	3.3,3.3		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XII**	**07 11 05 16.2–1.3**	**12.77N–.05**	**88.17W–.03**	**80–8**		**188**	**0-3**
SNET	XII	07 11 05 15.6–1.9	13N–15	88W–7.0	55–17	3.9,3.9	**¶625381346**	
CATAC	XII	07 11 05 16.6–.16	13N–2.0	88W–1.0	61–3	3.5,3.5		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**03 15 04 26.5–1.8**	**12.90N–.06**	**90.15W–.04**	**6–10**	**3.7b,3.4s**	**75**	**1-148**
CATAC	XII	03 15 04 25.2–.68	13N–4.0	90W–6.0	15–6	3.9,3.9	**¶625381056**	
SNET	XII	03 15 04 26.1	13N–4.0	90W–4.0	18–2	3.9,3.9		
GCG	XII	03 15 04 28.2–.95	13.01N	90.38W	16–9	4.1L,4.1		
IDC	XII	03 15 04 32.9–2.7	13.18N	89.81W	68–22	3.6,3.4b		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=12.6km s-min=7.7km az=102.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
GCG Event type se. Error ellipse: s-maj=9.9km s-min=7.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=47.1km s-min=19.2km az=31.0.

ISC	**XII**	**04 18 44 49.7–1.3**	**12.44N–.03**	**89.55W–.03**	**12–7**	**4.9b,4.2s**	**385**	**1-148**
IDC	XII	04 18 44 49.4–.59	12.87N	89.19W	0	4.2b,4.2	**¶621612465**	
NEIC	XII	04 18 44 50.0–1.6	12.55N–.03	89.50W–.06	10–1	4.9b,4.2		
GFZ	XII	04 18 44 51.6–.24	13N–3.0	89W–4.0	10	5.1b,4.6L		
CATAC	XII	04 18 44 52.2–.44	12N–4.0	90W–4.0	38–22	4.6,4.6		
SNET	XII	04 18 44 53.6–1.4	13N–13	90W–6.0	74–21	4.8,4.7		
GCMT	XII	04 18 44 54.6–.30	12.42N–.02	89.77W–.03	18–1	4.9W,4.7		
GCG	XII	04 18 44 54.2–1.2	12.63N	89.68W	15–13	4.5,3.8W		

ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=9.7km az=44.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.9km az=254.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. Error ellipse: s-maj=11.5km s-min=2.5km az=45.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.20 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$-0.65 $M_{r\theta}$1.10 $M_{\theta\phi}$0.34 $M_{\phi r}$0.01 NP1:ϕ_s100.00156°,δ59.63138°,λ83.65540°. NP2:ϕ_s292.40525°,δ30.96227°,λ100.68013°. Principal axes: T 2.5050,Plg74.5438°,Azm352.9514°; N -0.5756,Plg5.4712°,Azm103.2189° ; P -1.9294,Plg14.4102°,Azm194.6292° $M_0$2.27253×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.13 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$-0.70 $M_{r\theta}$1.12 $M_{\theta\phi}$0.44 $M_{\phi r}$-0.09 NP1: ϕ_s105.94697°,δ60.19271°,λ82.97978°. NP2:ϕ_s299.86076°,δ30.54874°,λ102.04320°. Principal axes: T 2.4565,Plg73.8321°,Azm357.8656°; N -0.5341,Plg6.0877°,Azm109.4498° ; P -1.9224,Plg14.9198°,Azm201.0782° $M_0$2.23779×10^{16}
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112041845A. Moment Tensor Solution. s36,c43; s102,c139; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.52±.14 $M_{\theta\theta}$-1.94±.09; $M_{\phi\phi}$-0.58±.08; $M_{r\theta}$1.41±.19; $M_{\theta\phi}$0.65±.05; $M_{\phi r}$-1.75±.23; Best double couple: NP1:ϕ_e281.00000°,δ26.00000°,λ64.00000°. NP2:ϕ_s130.00000°,δ67.00000°,λ102.00000°. Principal axes: T 3.5090,Plg66.0000°,Azm62.0000°; N -0.5490,Plg11.0000°,Azm305.0000° ; P -2.9620,Plg21.0000°,Azm211.0000° $M_0$3.23600×10^{16}
GCG Event type se. Error ellipse: s-maj=15.2km s-min=9.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**06 05 54 35.2–2.2**	**12.56N–.09**	**89.01W–.03**	**11–10**		**81**	**1-2**
SNET	XII	06 05 54 36.0–2.8	13N–22	89W–7.0	10	3.6,3.6	**¶625381305**	
CATAC	XII	06 05 54 36.7–.68	13N–4.0	89W–2.0	3–3	3.0,3.0		
GCG	XII	06 05 54 40.2–.69	12.77N	89.00W	28–346	3.7,3.0		

ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=9.1km s-min=2.8km az=16.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=192.4km s-min=97.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**07 00 35 54.7–.78**	**11.98N–.03**	**88.28W–.03**	**20–6**	**4.4b**	**278**	**1-149**
IDC	XII	07 00 35 54.0–1.2	12.45N	88.00W	0	4.0b,4.0	**¶625381365**	
CATAC	XII	07 00 35 56.9–.34	12N–1.0	88W–1.0	33–6	5.3b,5.0b		
SNET	XII	07 00 35 57.4	12N–2.0	88W–2.0	20–5	4.2,4.1		
NEIC	XII	07 00 35 58.6–1.6	12.22N–.08	88.11W–.06	35–2	4.4b,4.1		
GCG	XII	07 00 36 00.0–.98	12.50N	88.35W	0–18	4.3,4.1L		
UCR	XII	07 00 36 43.0–.35	9.97N	85.47W	112–134	3.8W,4.1L		

ISC Event type se.
IDC Error ellipse: s-maj=38.1km s-min=12.5km az=41.0.
CATAC Event type se. Error ellipse: s-maj=3.8km s-min=1.4km az=35.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=7.1km az=32.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=26.6km s-min=26.8km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=23.2km s-min=210.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**06 02 01 29.9–2.6**	**12.53N–.10**	**89.59W–.06**	**5–11**		**55**	**1-2**
CATAC	XII	06 02 01 29.6–.92	12N–4.0	90W–3.0	3–4	3.2,3.2	**¶625381324**	
SNET	XII	06 02 01 34.1	13N–3.0	89W–3.0	12–2	3.6,3.3		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.

ISC	**XII**	**03 07 41 31.4–2.1**	**11.20N–.05**	**88.03W–.03**	**4–12**	**4.0b**	**188**	**2-150**
IDC	XII	03 07 41 30.9–1.0	11.23N	87.99W	0	3.7L,3.7b	**¶625381103**	
CATAC	XII	03 07 41 34.1–.39	11N–3.0	88W–2.0	13–3	3.9,3.9		
NEIC	XII	03 07 41 34.7–1.2	11.35N–.07	87.91W–.07	10–2	4.1b,3.9		
GCG	XII	03 07 41 39.2–.68	11.32N	88.33W	31–394	4.0,3.9		
SNET	XII	03 07 41 41.3–3.5	12N–27	88W–11	5	4.3,4.3		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XII**	**06 19 08 06.5–2.0**	**12.81N–.07**	**90.47W–.05**	**10–10**		**55**	**1-4**
SNET	XII	06 19 08 05.2	13N–6.0	91W–6.0	10–6	3.9,3.7	**¶625381296**	
CATAC	XII	06 19 08 06.6–.81	13N–5.0	90W–8.0	9–9	3.5,3.5		
GCG	XII	06 19 08 09.6–.56	13.00N	90.46W	18–6	4.0,3.5		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
CATAC Event type se. Error ellipse: s-maj=18.1km s-min=8.4km az=111.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=-1.0. Presumed earthquake.

ISC	**XII**	**09 05 03 35.7–1.0**	**12.97N–.06**	**90.75W–.04**	**10**	**3.6b**	**74**	**1-64**
GCG	XII	09 05 03 35.2–.98	12.99N	90.77W	0–71	3.8,3.8W	**¶625355830**	
CATAC	XII	09 05 03 35.8–.72	13N–7.0	91W–6.0	10–6	3.9,3.9		
IDC	XII	09 05 03 35.0–1.4	12.82N	90.90W	0	3.6s,3.4b		
SNET	XII	09 05 03 41.8	13N–2.0	90W–2.0	16–1	4.0,4.0		

ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

ISC	**XII**	**07 12 52 41.8–1.6**	**12.50N–.06**	**88.05W–.04**	**6–11**		**50**	**1-2**
CATAC	XII	07 12 52 45.0–.54	13N–3.0	88W–2.0	30–3	3.4,3.4	**¶625381336**	
SNET	XII	07 12 52 45.6	13N–1.0	88W–1.0	49–2	3.7,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC	**XII**	**08 02 08 51.5–1.7**	**12.53N–.07**	**88.09W–.05**	**29–12**		**41**	**1-2**
SNET	XII	08 02 08 45.1	13N–4.0	88W–4.0	76–3	3.7,3.4	**¶625381457**	
CATAC	XII	08 02 08 51.9–.55	13N–3.0	88W–2.0	29–3	2.9,2.9		

ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**09 00 32 23.6–1.8**	**12.62N–.07**	**88.67W–.04**	**28–13**		**81**	**1-2**
GCG	XII	09 00 32 23.1–.80	12.63N	88.86W	7–42	4.0	**¶625355853**	
SNET	XII	09 00 32 23.9	13N–3.0	89W–3.0	28–2	3.8,3.7		
CATAC	XII	09 00 32 24.5–.47	13N–3.0	89W–2.0	33–5	3.4,3.4		

ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**09 05 24 41.1–2.1**	**12.93N–.08**	**90.73W–.05**	**10–10**		**63**	**1-147**
CATAC	XII	09 05 24 39.1–1.2	13N–7.0	91W–6.0	3–6	3.8,3.8	**¶625355805**	
GCG	XII	09 05 24 39.9–.76	12.97N	90.77W	2–12	4.3,4.1L		
IDC	XII	09 05 24 41.2–4.3	13.56N	89.91W	0	3.8s,3.4b		
SNET	XII	09 05 24 41.8	13N–2.0	91W–2.0	12–1	4.0,3.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.

ISC	**XII**	**10 19 29 02.3–2.9**	**12.87N–.08**	**90.46W–.08**	**8–13**		**71**	**1-4**
CATAC	XII	10 19 29 03.2–.49	13N–3.0	90W–4.0	8–3	3.6,3.6	**¶625355904**	
SNET	XII	10 19 29 05.3	13N–6.0	91W–6.0	40–58	3.9,3.6		
GCG	XII	10 19 29 06.1–.98	12.97N	90.34W	15–10	3.8,3.6		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.5km s-min=5.1km az=108.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
GCG Event type se. Error ellipse: s-maj=9.7km s-min=9.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**10 10 07 35.5–1.8**	**12.88N–.08**	**89.07W–.04**	**29–12**		**65**	**1-2**
CATAC	XII	10 10 07 35.6–.54	13N–3.0	89W–2.0	30–3	3.0,3.0	**¶625355921**	
SNET	XII	10 10 07 36.1–1.1	13N–7.0	89W–5.0	30–9	3.1,3.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**11 09 43 25.6–2.0**	**12.98N–.09**	**89.53W–.05**	**27–12**		**71**	**1-2**
CATAC	XII	11 09 43 26.2–.48	13N–3.0	89W–2.0	22–2	3.1,3.1	**¶625355952**	
GCG	XII	11 09 43 27.2–.80	13.07N	89.54W	35–100	3.6,3.1		
SNET	XII	11 09 43 27.6	13N–3.0	89W–3.0	36–20	3.3,3.3		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.

ISC	**XII**	**11 03 01 01.3–1.6**	**12.91N–.08**	**88.87W–.04**	**46–22**		**59**	**1-2**
CATAC	XII	11 03 01 00.7–.48	13N–3.0	89W–2.0	29–3	3.3,3.3	**¶625355996**	
SNET	XII	11 03 01 01.2	13N–5.0	89W–5.0	63–7	3.5,3.5		

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 12 03 29 06.3–2.1 12.67N–.09 88.73W–.04 28–13 40 1-2
CATAC XII 12 03 29 07.3–.67 13N–4.0 89W–2.0 32–6 3.0,3.0 **¶625356083**
SNET XII 12 03 29 07.4 13N–2.0 89W–2.0 23–2 3.3,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 12 17 31 48.4–4.2 12.6N–.30 89.5W–.10 10 24 1-2
SNET XII 12 17 31 51.9–1.8 13N–12 89W–7.0 10 3.7,3.7 **¶625356070**
GCG XII 12 17 32 01.9–1.6 13.42N 89.66W 20–14 3.8,3.7
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
GCG Event type se. Error ellipse: s-maj=45.4km s-min=11.5km az=-1.0. Presumed earthquake.
ISC XII 12 17 54 13.3–3.0 13.0N–.10 90.4W–.10 7–13 23 1-2
GCG XII 12 17 54 14.3–.66 12.94N 90.50W 11–16 3.7 **¶625356063**
SNET XII 12 17 54 16.9 13N–1.0 90W–1.0 28–1 3.5,3.5
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 13 12 17 56.0–1.6 12.90N–.08 88.72W–.04 56–14 55 0-3
CATAC XII 13 12 17 56.1–.41 13N–3.0 89W–2.0 34–4 3.5,3.5 **¶625356163**
SNET XII 13 12 17 56.5 13N–3.0 89W–3.0 56–3 3.6,3.6
GCG XII 13 12 17 58.0–.42 13.06N 88.90W 78–11 3.7,3.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.8km s-min=3.3km az=24.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=12.7km s-min=8.9km az=-1.0. Presumed earthquake.
ISC XII 13 07 48 03.7–1.6 12.50N–.06 88.10W–.05 29–12 45 1-2
CATAC XII 13 07 48 05.3–.67 13N–4.0 88W–3.0 32–4 2.5,2.5 **¶625356195**
SNET XII 13 07 48 16.5–.43 13N–4.0 88W–3.0 10 2.9,2.9
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 13 23 40 26.9–.89 12.81N–.04 88.91W–.03 54–7 4.4b,3.5s 402 1-152
SNET XII 13 23 40 27.2–.32 13N–2.0 89W–1.0 24–2 4.9,4.8 **¶625356117**
CATAC XII 13 23 40 27.1–.27 13N–2.0 89W–1.0 35–3 4.8,4.8
IDC XII 13 23 40 28.7–1.6 13.15N 88.52W 62–14 4.1,3.9b
NEIC XII 13 23 40 29.0–2.4 12.94N–.05 88.82W–.06 60–5 4.5b,3.9b
GCG XII 13 23 40 31.3–2.2 13.07N 88.96W 34–15 4.7,3.9b
ISC Event type se.
SNET Error ellipse: s-maj=3.8km s-min=1.7km az=30.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC Event type se. Error ellipse: s-maj=3.8km s-min=1.5km az=31.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.71 $M_{\theta\theta}$-4.41 $M_{\phi\phi}$0.69 $M_{r\theta}$3.02 $M_{\theta\phi}$0.38 $M_{\phi r}$-2.30 NP1:ϕ_s116.14902°,δ67.56257°,λ110.14736°. NP2:ϕ_s252.28082°,δ29.80305°,λ50.16794°. Principal axes: T 5.6044,Plg62.0637°,Azm57.4724°; N 0.0038,Plg18.5638°,Azm288.1777°; P -5.6082,Plg20.1024°,Azm191.1174° $M_0$5.60631×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.56 $M_{\theta\theta}$0.41 $M_{\phi\phi}$2.15 $M_{r\theta}$-1.41 $M_{\theta\phi}$0.33 $M_{\phi r}$1.13 NP1:ϕ_s163.50235°,δ60.75079°,λ-113.71772°. NP2:ϕ_s25.46298°,δ36.98342°,λ-54.31189°. Principal axes: T 2.4011,Plg12.6706°,Azm270.4513°; N 0.9693,Plg20.5453°,Azm175.6179°; P -3.3704,Plg65.5527°,Azm30.0899° $M_0$3.00539×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.79 $M_{\theta\theta}$0.79 $M_{\phi\phi}$2.01 $M_{r\theta}$-1.42 $M_{\theta\phi}$-0.18 $M_{\phi r}$1.19 NP1:ϕ_s149.18536°,δ63.10329°,λ-103.21170°. NP2:ϕ_s356.61230°,δ29.74768°,λ-65.74558°. Principal axes: T 2.4704,Plg17.1000°,Azm248.9199°; N 1.0286,Plg11.7608°,Azm155.2476°; P -3.4990,Plg69.0363°,Azm32.3324° $M_0$3.11478×10^{15}
IDC Error ellipse: s-maj=27.7km s-min=9.8km az=43.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.9km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Event type se. Error ellipse: s-maj=27.1km s-min=14.9km az=-1.0. Presumed earthquake.
ISC XII 18 02 05 51.0–1.3 12.64N–.04 88.65W–.03 20–4 116 1-2
CATAC XII 18 02 05 52.9–.35 13N–2.0 89W–1.0 33–4 3.5,3.5 **¶625356563**
SNET XII 18 02 05 54.6 13N–2.0 89W–2.0 24–1 3.5,3.4
GCG XII 18 02 05 55.8–1.0 12.86N 88.64W 50–808 3.4,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.3km s-min=1.7km az=32.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
GCG Event type se. Error ellipse: s-maj=413.2km s-min=311.4km az=-1.0. Presumed earthquake.
ISC XII 14 21 22 20.2–1.3 12.42N–.05 88.00W–.03 65–11 193 1-3
SNET XII 14 21 22 15.5 13N–6.0 88W–6.0 150–9 3.8,3.8 **¶635898377**
CATAC XII 14 21 22 20.9–.26 12N–2.0 88W–1.0 33–3 4.0,4.0
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 16 13 53 13.7–1.4 12.84N–.05 88.56W–.03 35 73 0-2
CATAC XII 16 13 53 13.4–.39 13N–3.0 89W–2.0 36–3 3.2,3.2 **¶625356352**
SNET XII 16 13 53 13.8 13N–2.0 88W–2.0 30–2 3.4,3.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 17 07 08 25.2–1.2 12.86N–.04 88.95W–.03 33–4 3.2b 156 1-53
IDC XII 17 07 08 14.2–13 12.53N 88.29W 0 3.5b,3.5 **¶625356449**
SNET XII 17 07 08 25.2–1.8 13N–16 89W–6.0 29–9 4.3,4.3
CATAC XII 17 07 08 26.2–.25 13N–2.0 89W–1.0 33–3 4.1,4.1
GCG XII 17 07 08 27.5–.86 12.97N 89.04W 62–17 4.2,3.4W
ISC Event type se.
IDC Error ellipse: s-maj=272.5km s-min=56.9km az=1.0.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=3.9km s-min=1.9km az=32.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=15.5km s-min=9.1km az=-1.0. Presumed earthquake.
ISC XII 18 22 48 38.6–2.2 11.93N–.10 89.20W–.05 13–12 70 2-3
CATAC XII 18 22 48 46.9–.52 12N–2.0 89W–2.0 11–3 3.4,3.4 **¶625356463**
SNET XII 18 22 48 49.1 12N–1.0 89W–1.0 8–2 3.7,3.5
GCG XII 18 22 48 50.3–.47 12.42N 89.29W 14–7 4.0,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.7km s-min=3.1km az=37.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
GCG Event type se. Error ellipse: s-maj=8.0km s-min=15.0km az=-1.0. Presumed earthquake.
ISC XII 18 06 12 14.3–.64 12.77N–.04 88.62W–.03 58–5 4.5b,3.7s 432 1-148
SNET XII 18 06 12 13.2–1.3 13N–10 89W–3.0 25–6 4.9,4.9 **¶625356535**
NEIC XII 18 06 12 14.9–1.3 12.77N–.06 88.63W–.05 54–10 4.5b,4.9
CATAC XII 18 06 12 14.1–.23 13N–1.0 88.6W–.90 34–2 5.0,5.0
IDC XII 18 06 12 15.8–1.2 13.12N 88.20W 67–11 4.3,4.0b
GFZ XII 18 06 12 16.4–.42 13N–4.0 89W–6.0 59–3 5.3b,4.9L
GCG XII 18 06 12 22.5–1.9 13.33N 88.92W 30–18 4.6,4.3L
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.4km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=3.3km s-min=1.2km az=32.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.70 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.65 $M_{r\theta}$0.15 $M_{\theta\phi}$2.13 $M_{\phi r}$0.24 NP1:ϕ_s94.73015°,δ79.82783°,λ8.19307°. NP2:ϕ_s3.27357°,δ81.93658°,λ169.72516°. Principal axes: T 1.8573,Plg12.9479°,Azm318.8283°; N 0.6422,Plg76.9657°,Azm145.5415°; P -2.4995,Plg1.4723°,Azm49.1668° $M_0$2.24828×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.56 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.58 $M_{r\theta}$0.73 $M_{\theta\phi}$2.03 $M_{\phi r}$-0.31 NP1:ϕ_s95.47395°,δ87.65993°,λ21.33384°. NP2:ϕ_s4.56034°,δ68.68482°,λ177.48800°. Principal axes: T 1.8754,Plg16.6129°,Azm322.0537°; N 0.6239,Plg68.5442°,Azm101.4421°; P -2.4993,Plg13.1888°,Azm228.0445° $M_0$2.25309×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.43 $M_{\theta\theta}$-3.05 $M_{\phi\phi}$2.61 $M_{r\theta}$-2.76 $M_{\theta\phi}$1.45 $M_{\phi r}$1.73 NP1:ϕ_s323.38096°,δ89.94023°,λ135.83826°. NP2:ϕ_s53.43900°,δ45.83829°,λ0.08331°. Principal axes: T 3.5718,Plg29.5623°,Azm269.0555°; N 1.5743,Plg45.8382°,Azm143.3194°; P -5.1461,Plg29.4651°,Azm17.7459° $M_0$4.56718×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.43 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-0.24 $M_{r\theta}$1.89 $M_{\theta\phi}$2.44 $M_{\phi r}$-1.15 NP1:ϕ_s273.90553°,δ88.22861°,λ-38.23863°. NP2:ϕ_s5.30091°,δ51.78294°,λ-177.74517°. Principal axes: T 2.4765,Plg24.5564°,Azm326.2713°; N 1.2868,Plg51.7266°,Azm91.6591°; P -3.7634,Plg27.3422°,Azm222.6055° $M_0$3.31304×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.04 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-0.21 $M_{r\theta}$2.32 $M_{\theta\phi}$2.02 $M_{\phi r}$-1.44 NP1:ϕ_s281.48297°,δ89.81461°,λ-52.86300°. NP2:ϕ_s11.72777°,δ37.13739°,λ-179.69292°. Principal axes: T 2.5595,Plg34.1534°,Azm340.4278°; N 1.3010,Plg37.1368°,Azm101.3426°; P -3.8605,Plg34.4708°,Azm222.6690° $M_0$3.40199×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.58 $M_{\theta\theta}$-2.79 $M_{\phi\phi}$2.20 $M_{r\theta}$-2.17 $M_{\theta\phi}$1.56 $M_{\phi r}$0.72 NP1:ϕ_s152.95846°,δ75.82766°,λ-158.55686°. NP2:ϕ_s57.46555°,δ69.24020°,λ-15.17923°. Principal axes: T 2.6546,Plg4.4453°,Azm284.2696°; N 1.6460,Plg64.4822°,Azm184.8968°; P -4.3006,Plg25.0723°,Azm16.3539° $M_0$3.75842×10^{16}
IDC Error ellipse: s-maj=23.8km s-min=8.1km az=46.0.
GFZ Error ellipse: s-maj=14.7km s-min=5.4km az=55.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCG Event type se. Error ellipse: s-maj=72.3km s-min=42.1km az=-1.0. Presumed earthquake.
ISC XII 19 13 35 22.9–2.7 12.4N–.10 89.06W–.04 8–11 46 1-2
CATAC XII 19 13 35 23.7–.72 12N–4.0 89W–2.0 5–4 3.2,3.2 **¶625356634**
SNET XII 19 13 35 25.9 12N–3.0 89W–3.0 5–3 3.3,3.3
GCG XII 19 13 35 29.3–.93 12.68N 88.98W 22–11 4.1,3.3
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.6km s-min=4.9km az=8.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=23.9km s-min=25.2km az=-1.0. Presumed earthquake.
ISC XII 21 08 51 10.0–1.0 12.82N–.05 88.67W–.03 53–9 3.3b 182 1-65
SNET XII 21 08 51 10.5–.41 13N–2.0 89W–2.0 28–3 4.1,4.1 **¶625356808**
CATAC XII 21 08 51 10.3–.35 13N–2.0 89W–1.0 29–2 4.0,4.0
IDC XII 21 08 51 11.2–1.9 12.78N 88.65W 78–15 3.3,3.0b
GCG XII 21 08 51 13.5–1.5 13.03N 88.79W 64–25 4.4,4.2L
ISC Event type se.
SNET Error ellipse: s-maj=5.9km s-min=2.4km az=29.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CATAC Event type se. Error ellipse: s-maj=4.8km s-min=2.0km az=27.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=56.9km s-min=10.3km az=42.0.
GCG Event type se. Error ellipse: s-maj=20.6km s-min=9.9km az=-1.0. Presumed earthquake.
ISC XII 21 05 07 52.0–1.4 12.42N–.09 88.05W–.06 49–34 75 1-2
CATAC XII 21 05 07 50.9–.41 12N–3.0 88W–2.0 40–8 2.9,2.9 **¶625356838**
SNET XII 21 05 07 55.1 13N–7.0 88W–7.0 35–8 3.5,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 23 11 13 26.4–1.5 12.68N–.06 88.53W–.03 32–11 72 1-2
SNET XII 23 11 13 26.6 12.7N–.90 88.5W–.90 34–1 3.8,3.7 **¶625356985**
CATAC XII 23 11 13 26.2–.49 13N–3.0 89W–2.0 29–3 3.5,3.5
GCG XII 23 11 13 27.8–.46 12.79N 88.66W 76–23 3.9,3.5
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
CATAC Event type se. Error ellipse: s-maj=6.0km s-min=2.4km az=24.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=15.0km s-min=10.1km az=-1.0. Presumed earthquake.
ISC XII 22 07 30 30.1–1.4 12.73N–.06 88.93W–.03 20–5 130 1-2
SNET XII 22 07 30 28.9–1.2 13N–9.0 89W–3.0 9–5 4.0,4.0 **¶625356929**
CATAC XII 22 07 30 30.7–.47 13N–2.0 89W–1.0 22–3 3.9,3.9
GCG XII 22 07 30 33.7–.61 12.88N 89.05W 29–7 5.2W,4.2
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=2.2km az=20.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=15.1km s-min=9.0km az=-1.0. Presumed earthquake.
ISC XII 24 06 16 54.9–1.7 12.96N–.08 88.94W–.03 28–12 57 1-1
CATAC XII 24 06 16 55.1–.51 13N–4.0 89W–2.0 28–3 3.0,3.0 **¶625357076**
SNET XII 24 06 16 55.5 13.0N–.90 89.0W–.90 32–0 3.0,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 26 04 37 10.9–1.7 12.93N–.07 88.96W–.03 27–13 69 1-2
CATAC XII 26 04 37 11.3–.46 13N–3.0 89W–2.0 29–2 3.3,3.3 **¶625357219**
SNET XII 26 04 37 11.9 13N–3.0 89W–3.0 49–6 3.5,3.5
GCG XII 26 04 37 13.4–1.5 13.11N 88.94W 30–14 4.0,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.8km s-min=2.8km az=19.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=37.3km s-min=17.1km az=-1.0. Presumed earthquake.
ISC XII 24 03 23 36.1–2.7 11.91N–.08 88.16W–.06 15–13 51 1-3
CATAC XII 24 03 23 35.4–.65 12N–3.0 88W–3.0 13–6 3.4,3.4 **¶625357096**
SNET XII 24 03 23 37.0 12N–2.0 88W–2.0 15–2 3.8,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 24 04 22 21.3–1.9 12.06N–.08 88.02W–.05 25–14 53 1-4
CATAC XII 24 04 22 18.4–.74 12N–4.0 88W–3.0 29–9 3.1,3.1 **¶625357086**
SNET XII 24 04 22 20.2–1.4 12N–12 88W–6.0 10 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 28 23 42 32.4–3.3 11.91N–.08 88.52W–.04 8–23 103 1-3
SNET XII 28 23 42 33.0 12N–7.0 89W–7.0 20–14 4.0,3.9 **¶625357286**

CATAC XII 28 23 42 34.3–.51 12N–3.0 89W–2.0 28–6 3.8,3.8
GCG XII 28 23 42 36.9–3.0 12.25N 88.62W 2–999 3.9,3.8
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTERFASE. confirmed.
CATAC Event type se. Error ellipse: s-maj=7.8km s-min=2.2km az=22.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Error ellipse: s-maj=999.9km s-min=772.0km az=-1.0. Presumed earthquake.
ISC XII 28 04 36 54.3–1.9 12.84N–.09 88.98W–.04 30–12 58 1-1
CATAC XII 28 04 36 55.7–.55 13N–4.0 89W–2.0 31–4 2.7,2.7 **¶625357383**
SNET XII 28 04 36 56.0–2.1 13N–18 89W–7.0 29–16 3.7,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 28 04 40 42.0–1.2 12.74N–.04 88.37W–.03 28–12 96 1-2
CATAC XII 28 04 40 42.6–.30 13N–2.0 88W–1.0 36–3 3.1,3.1 **¶625357370**
SNET XII 28 04 40 44.4–1.8 13N–18 88W–5.0 27–8 3.2,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 26 11 35 48.4–2.9 12.9N–.10 90.38W–.10 24–15 35 1-2
CATAC XII 26 11 35 49.3–1.0 13N–6.0 90W–6.0 9–6 3.1,3.1 **¶625357193**
SNET XII 26 11 35 51.1 13N–2.0 90W–2.0 18–3 3.1,3.1
GCG XII 26 11 35 52.3–1.4 13.18N 90.35W 0–24 4.1,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=14.7km s-min=11.2km az=120.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=31.8km s-min=13.2km az=-1.0. Presumed earthquake.
ISC XII 28 12 00 10.6–2.3 12.49N–.07 88.30W–.04 35–5 45 1-2
CATAC XII 28 12 00 10.0–.63 13N–3.0 88W–2.0 30–4 2.9,2.9 **¶625357340**
SNET XII 28 12 00 10.2 13N–14 88W–14 91–17 2.9,2.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
ISC XII 31 03 29 51.9–5.2 13.0N–.20 90.6W–.10 24 14 1-2
GCG XII 31 03 29 54.9–1.1 13.13N 90.51W 14–15 3.8 **¶625357667**
SNET XII 31 03 29 54.3 13N–2.0 90W–2.0 15–3 3.2,3.2
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
ISC XII 30 13 22 58.8–2.4 12.6N–.10 88.91W–.04 7–11 39 1-2
SNET XII 30 13 22 57.4 13N–6.0 89W–6.0 25–6 **¶625357457**
CATAC XII 30 13 23 02.9–1.2 13N–4.0 89W–4.0 20–12 2.9,2.9
ISC Event type se.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 30 19 09 30.2–1.7 13.00N–.07 89.41W–.03 8–12 75 1-2
CATAC XII 30 19 09 32.4–.51 13N–3.0 89W–2.0 28–3 3.2,3.2 **¶625357446**
SNET XII 30 19 09 32.5 13N–1.0 89W–1.0 36–14 3.4,3.3
GCG XII 30 19 09 33.5–1.2 13.19N 89.36W 57–19 3.3,3.3
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.2km s-min=3.6km az=14.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/REGIONAL-SUB_INTRAPLACA. confirmed.
GCG Event type se. Error ellipse: s-maj=21.6km s-min=13.7km az=-1.0. Presumed earthquake.
ISC XII 31 05 57 57.9–2.3 12.54N–.09 89.47W–.05 4–11 70 1-2
CATAC XII 31 05 57 57.6–.50 12N–3.0 89W–3.0 9–4 3.1,3.1 **¶625357639**
GCG XII 31 05 57 59.7–1.4 12.67N 89.36W 0–742 3.8,3.1
SNET XII 31 05 58 00.5–2.7 13N–19 89W–11 10 3.4,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
SNET XII 31 02 32 47.9 13N–3.0 89W–3.0 33–1
¶625357690
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

(77) Off coast of Costa Rica.

ISC VII 03 06 11 09.2–2.4 10.53N–.05 86.59W–.06 10–15 100 1-3
CATAC VII 03 06 11 08.8–.43 10N–3.0 87W–2.0 12–3 3.1,3.1 **¶625300087**
UCR VII 03 06 11 14.0–.98 10.71N 86.43W 20–7 4.0W,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.3km s-min=3.8km az=30.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=10.0km s-min=9.1km az=-1.0. Presumed earthquake.
ISC VII 04 07 31 45.3–3.2 9.99N–.08 86.2W–.10 18–13 49 1-2
CATAC VII 04 07 31 43.2–.82 10N–4.0 86W–5.0 5 3.3,3.3 **¶625300101**
UCR VII 04 07 31 44.9–.58 10.00N 86.19W 22–4 4.0W,3.3
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.1km s-min=7.4km az=63.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=5.2km s-min=5.3km az=-1.0. Presumed earthquake.
ISC VII 05 20 18 23.7–1.8 10.89N–.06 86.75W–.07 13–12 69 1-3
UCR VII 05 20 18 21.3–.52 10.83N 86.85W 6–21 3.6W **¶625365248**
CATAC VII 05 20 18 22.9–.75 11N–3.0 87W–3.0 20–8 3.2,3.2
SNET VII 05 20 18 30.3–1.0 11N–8.0 86W–7.0 10 2.9,2.9
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 11 03 11 18.1–1.6 10.96N–.04 86.46W–.05 17–9 75 1-2
CATAC VII 11 03 11 17.5–.51 11N–2.0 86W–2.0 15–3 3.0,3.0 **¶625300168**
UCR VII 11 03 11 18.8–.95 10.92N 86.46W 15–20 4.3W,3.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.0km s-min=2.7km az=53.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=19.9km s-min=53.6km az=-1.0. Presumed earthquake.
ISC VII 13 10 51 38.1–1.3 10.98N–.04 86.43W–.05 22–8 89 1-2
UCR VII 13 10 51 37.9–1.2 10.98N 86.47W 15–9 3.6W **¶625300178**
CATAC VII 13 10 51 37.7–.48 11N–2.0 86W–2.0 21–3 3.1,3.1
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 15 04 54 41.8–2.0 10.95N–.08 86.5W–.10 22–9 39 1-2
CATAC VII 15 04 54 41.0–.89 11N–4.0 86W–4.0 17–7 3.4,3.4 **¶625300192**
UCR VII 15 04 54 42.7–.60 10.97N 86.43W 21–4 3.6W,3.4
ISC Event type se.
CATAC Error ellipse: s-maj=9.8km s-min=6.4km az=36.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.4km s-min=4.7km az=-1.0. Presumed earthquake.
ISC VII 26 05 29 56.7–1.7 9.22N–.06 85.57W–.05 20–5 136 1-5
UCR VII 26 05 29 54.5–.44 9.15N 85.63W 14–4 3.7W **¶625300312**
CATAC VII 26 05 29 57.1–.49 9N–2.0 86W–2.0 20–3 3.6,3.6
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 28 15 26 13.4–2.4 10.28N–.08 86.39W–.09 19–4 45 1-2
CATAC VII 28 15 26 11.4–.81 10N–4.0 86W–5.0 7–6 3.2,3.2 **¶625300339**
UCR VII 28 15 26 13.1–.83 10.30N 86.39W 18–9 3.8W,3.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.1km s-min=9.4km az=76.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=11.6km s-min=6.5km az=-1.0. Presumed earthquake.
ISC VII 26 09 40 07.5–1.7 8.60N–.08 85.37W–.05 10 130 1-7
UCR VII 26 09 40 04.7–.25 8.50N 85.55W 10–7 3.6W **¶625300314**
CATAC VII 26 09 40 10.5–1.3 9N–5.0 85W–3.0 3–7 4.0,4.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 30 04 29 34.5–1.2 10.37N–.03 86.21W–.04 32–8 4.7b,4.2s 259 1-151
UPA VII 30 04 27 56.2–.91 13.45N 92.93W 10 4.7b,4.2s **¶620883710**
CATAC VII 30 04 29 31.5–.52 10N–2.0 86W–2.0 15–4 4.9,4.9
UCR VII 30 04 29 31.9–.85 10.31N 86.29W 16–10 5.2W,4.9
GFZ VII 30 04 29 32.9–.26 11N–4.0 86W–4.0 10 4.6b,4.6
NEIC VII 30 04 29 33.0–2.7 10.42N–.06 86.19W–.05 10–1 4.7b,4.6
IDC VII 30 04 29 35.5–2.1 10.82N 85.72W 34–16 4.2,4.1b
SNET VII 30 04 29 53.7–5.1 12N–32 87W–30 5 4.3,4.0
ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 29 01 43 21.4–1.7 10.52N–.04 86.12W–.08 21–5 83 1-2
CATAC VII 29 01 43 21.0–.64 10N–3.0 86W–5.0 28–8 3.0,3.0 **¶625300350**
UCR VII 29 01 43 21.3–.84 10.54N 86.11W 13–12 3.7W,3.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.2km s-min=4.6km az=69.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0. Presumed earthquake.
ISC VII 30 04 36 59.5–1.4 10.35N–.04 86.21W–.04 8–8 4.2b 140 1-140
CATAC VII 30 04 36 58.8–.75 10N–3.0 86W–4.0 4–4 4.1,4.1 **¶620883714**
IDC VII 30 04 36 58.8–1.9 11.51N 84.68W 0 3.7b,3.7
UCR VII 30 04 37 00.5–.60 10.32N 86.28W 14–6 4.7W,3.7
NEIC VII 30 04 37 01.7–1.3 10.44N–.07 86.13W–.06 10–2 4.2b,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 04 44 30.5–2.2 10.24N–.06 86.26W–.08 6–12 58 1-2
CATAC VII 30 04 44 31.4–.62 10N–3.0 86W–3.0 9–5 3.3,3.3 **¶625300357**
UCR VII 30 04 44 32.5–.60 10.28N 86.26W 14–9 4.1W,3.3
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.1km s-min=5.0km az=50.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=5.6km s-min=5.3km az=-1.0. Presumed earthquake.
ISC VII 31 05 38 44.0–2.6 10.30N–.06 86.4W–.10 6–11 47 1-2
CATAC VII 31 05 38 43.4–.89 10N–3.0 86W–5.0 2–4 3.1,3.1 **¶625300367**
UCR VII 31 05 38 44.6–.48 10.33N 86.33W 10–82 3.9W,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.9km s-min=5.3km az=68.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=12.9km s-min=29.6km az=-1.0. Presumed earthquake.
ISC VIII 11 12 03 18.7–1.9 10.82N–.05 86.95W–.06 9–10 128 1-2
UCR VIII 11 12 03 18.3–.87 10.84N 86.96W 2–9 4.5W **¶621072540**
CATAC VIII 11 12 03 19.2–.37 11N–2.0 87W–2.0 11–3 4.0,4.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 05 03 47 32.8–1.8 8.85N–.06 84.68W–.05 12–11 65 1-2
UCR VIII 05 03 47 33.7–.64 8.79N 84.70W 18–2 3.9W **¶625300415**
UPA VIII 05 03 47 34.0–1.2 8.58N 84.64W 8–108 3.5W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=3.0km s-min=2.9km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=58.4km s-min=85.5km az=-1.0. Presumed earthquake.
ISC VIII 12 11 48 09.4–1.5 10.30N–.04 86.21W–.04 14–9 3.4b 106 1-56
CATAC VIII 12 11 48 09.1–.50 10N–2.0 86W–3.0 4–2 3.6,3.6 **¶621072560**
UCR VIII 12 11 48 09.2–.59 10.31N 86.26W 18–7 4.5W,3.6
IDC VIII 12 11 48 17.7–15 12.49N 85.18W 0 3.5b,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.8km s-min=3.0km az=53.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.9km s-min=4.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=304.4km s-min=109.9km az=176.0.
ISC VIII 13 03 08 06.4–2.2 10.21N–.07 86.24W–.07 12–11 69 1-2
CATAC VIII 13 03 08 07.1–.67 10N–3.0 86W–3.0 11–5 3.4,3.4 **¶625300495**
UCR VIII 13 03 08 08.2–.51 10.31N 86.25W 15–6 4.0W,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.9km s-min=4.8km az=48.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.5km s-min=3.4km az=-1.0. Presumed earthquake.
ISC VIII 17 14 04 28.4–1.3 8.97N–.05 84.17W–.04 6–10 110 1-3
UPA VIII 17 14 04 28.2–1.1 9.15N 84.20W 10–125 3.6W **¶625300526**
CATAC VIII 17 14 04 30.0–.55 9N–4.0 84W–4.0 4–2 3.7,3.7
UCR VIII 17 14 04 29.7–.97 9.00N 84.15W 18–6 4.0W,3.7
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=21.9km s-min=105.1km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=11.1km s-min=3.0km az=41.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=4.2km s-min=2.9km az=-1.0. Presumed earthquake.
ISC VIII 18 03 32 51.1–1.5 10.53N–.04 86.23W–.05 15–9 114 1-3
CATAC VIII 18 03 32 50.4–.53 10N–3.0 86W–2.0 15–4 3.3,3.3 **¶621071673**
UCR VIII 18 03 32 51.1–.75 10.56N 86.24W 15–5 4.1W,3.3
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.3km s-min=4.6km az=35.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.5km s-min=2.9km az=-1.0. Presumed earthquake.
UPA VIII 21 04 10 25.5–.55 7.61N 83.20W 8–3 3.3W
¶625829291

UPA Event type se. Error ellipse: s-maj=3.8km s-min=4.2km az=-1.0. Presumed earthquake.
ISC VIII 28 12 05 31.1–2.4 10.6N–.10 86.6W–.10 54–55 41 1-2
UCR VIII 28 12 05 25.3–1.2 10.39N 86.71W 0–13 4.6W **¶625300630**
CATAC VIII 28 12 05 32.9–.88 11N–4.0 87W–4.0 25–7 3.5,3.5
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 23 04 30 58.6–1.9 10.96N–.05 86.38W–.06 18–5 67 1-2
CATAC VIII 23 04 30 57.9–.59 11N–3.0 86W–2.0 17–3 2.7,2.7 **¶625300573**
UCR VIII 23 04 30 58.0–.52 10.88N 86.44W 12–17 3.6W,2.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=35.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=4.8km s-min=6.5km az=-1.0. Presumed earthquake.
ISC VIII 27 06 19 36.3–1.7 10.54N–.04 86.15W–.08 18–6 47 1-2
UCR VIII 27 06 19 35.6–.72 10.56N 86.20W 13–33 3.5W **¶625300621**
CATAC VIII 27 06 19 37.2–.60 11N–2.0 86W–3.0 22–5 2.7,2.7
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 31 10 33 43.1–1.6 10.87N–.05 86.49W–.06 10–10 77 1-2
UCR VIII 31 10 33 42.8–.71 11.04N 86.50W 9–26 3.8W **¶625300652**
CATAC VIII 31 10 33 43.5–.58 11N–2.0 86W–2.0 15–5 3.2,3.2
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 28 07 51 59.4–1.3 10.58N–.03 86.51W–.04 14–8 4.2b,3.6s 278 1-151
IDC VIII 28 07 51 59.5–1.0 11.10N 86.13W 0 3.8b,3.8 **¶621009758**
NEIC VIII 28 07 52 00.4–1.3 10.64N–.05 86.42W–.05 10–2 4.3b,3.8
UCR VIII 28 07 52 00.3–.60 10.58N 86.50W 16–4 4.9W,3.8
CATAC VIII 28 07 52 01.5–.28 11N–2.0 87W–2.0 29 4.1,4.1
SNET VIII 28 07 52 18.4–6.7 12N–43 87W–36 10 4.1,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.12 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$-0.51 $M_{r\theta}$1.15 $M_{\theta\phi}$2.26 $M_{\phi r}$0.62 NP1:ϕ_s352.73105°,δ58.85526°,λ154.71448°. NP2:ϕ_s96.46061°,δ68.55768°,λ33.75628°. Principal axes: T 2.7006,Plg38.6242°,Azm317.6533°; N 0.1615,Plg50.7021°,Azm125.1382° ; P -2.8621,Plg6.1553°,Azm222.7102° M_o2.78488×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.04 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-0.37 $M_{r\theta}$1.18 $M_{\theta\phi}$2.23 $M_{\phi r}$0.58 NP1: ϕ_s351.85873°,δ58.34173°,λ156.57491°. NP2:ϕ_s94.66974°,δ70.22108°,λ33.90079°. Principal axes: T 2.6715,Plg37.6188°,Azm316.8570°; N 0.1453,Plg51.3558°,Azm121.3980° ; P -2.8168,Plg7.5763°,Azm220.9738° M_o2.74705×10^{15}
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 23 13 19 46.1–1.9 10.62N–.04 86.41W–.06 6–12 68 1-140
CATAC IX 23 13 19 42.0–.60 10N–3.0 87W–4.0 1 3.7,3.7 **¶621125857**
IDC IX 23 13 19 45.7–1.5 11.08N 86.07W 0 3.3b,3.3
UCR IX 23 13 19 49.9–1.1 10.59N 86.25W 14–9 4.4W,3.3
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.8km s-min=6.7km az=82.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=50.2km s-min=17.2km az=40.0.
UCR Event type se. Error ellipse: s-maj=5.7km s-min=25.8km az=-1.0. Presumed earthquake.
ISC IX 09 03 58 20.6–1.5 8.91N–.06 84.00W–.03 15–10 75 0-2
CATAC IX 09 03 58 21.4–.76 9N–5.0 84W–4.0 3–3 3.4,3.4 **¶625706657**
UCR IX 09 03 58 22.4–.80 9.00N 83.96W 7–7 3.9W,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=12.1km s-min=5.7km az=36.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.5km s-min=2.2km az=-1.0. Presumed earthquake.
ISC IX 17 11 05 36.3–2.8 10.60N–.09 86.62W–.10 7–14 31 1-2
UCR IX 17 11 05 34.4–.35 10.57N 86.77W 12–9 3.8W **¶625706679**
CATAC IX 17 11 05 37.1–.94 11N–5.0 87W–5.0 10–9 3.2,3.2
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 22 16 22 48.2–1.3 10.40N–.04 86.18W–.04 24–11 4.2b 145 1-47
NEIC IX 22 16 22 47.9–1.4 10.44N–.05 86.18W–.04 10–2 4.3b **¶622452206**
UCR IX 22 16 22 47.6–.84 10.41N 86.24W 16–8 4.4W
CATAC IX 22 16 22 51.1–.49 10N–2.0 86W–2.0 26–4 4.2,4.2
IDC IX 22 16 23 05.8–1.6 12.81N 87.20W 0 3.8,3.7s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.5km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=49.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=249.5km s-min=19.0km az=50.0.
ISC IX 22 16 23 36.6–1.6 10.43N–.04 86.19W–.06 7–11 56 1-2
CATAC IX 22 16 23 36.5–.43 10N–2.0 86W–2.0 1 4.0,4.0 **¶625706690**
UCR IX 22 16 23 37.1–.81 10.45N 86.18W 18–82 4.5W,4.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.6km s-min=3.3km az=51.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.2km s-min=11.6km az=-1.0. Presumed earthquake.
ISC IX 11 10 54 49.6–1.9 10.53N–.04 86.20W–.08 9–11 65 1-2
CATAC IX 11 10 54 49.1–.57 10N–2.0 86W–3.0 14–4 3.0,3.0 **¶625706662**
UCR IX 11 10 54 52.3–.47 10.56N 86.04W 4–9 3.6W,3.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.7km s-min=4.2km az=71.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.6km s-min=4.1km az=-1.0. Presumed earthquake.
ISC IX 12 23 09 48.2–1.7 10.41N–.06 86.24W–.08 10 58 1-2
UCR IX 12 23 09 48.5–.60 10.34N 86.25W 16–7 3.8W **¶625706672**
CATAC IX 12 23 09 59.5–.53 11N–4.0 86W–4.0 26–3 2.8,2.8
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 03 02 21 30.1–1.3 10.59N–.04 86.19W–.04 26–12 124 1-3
UCR X 03 02 21 29.9–.64 10.60N 86.18W 21–6 4.3W **¶621256312**
CATAC X 03 02 21 31.1–.45 11N–2.0 86W–2.0 28–3 3.8,3.8
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 24 15 33 17.3–1.9 10.05N–.06 86.22W–.06 11–11 3.5b 64 1-69
CATAC IX 24 15 33 17.0–.62 10N–3.0 86W–3.0 11–4 3.7,3.7 **¶621126448**
UCR IX 24 15 33 16.5–.44 10.05N 86.33W 15–5 4.2W,3.7
IDC IX 24 15 33 20.0–1.8 11.27N 85.40W 0 3.5b,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.2km s-min=4.8km az=42.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.6km s-min=4.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=166.6km s-min=13.4km az=62.0.

ISC X 07 14 29 56.9–1.4 10.67N–.06 86.73W–.06 52–13 3.7b 188 1-151
SNET X 07 14 29 47.0–4.6 10N–33 87W–19 10 4.7,4.7 **¶625375757**
CATAC X 07 14 29 52.0–.40 11N–2.0 87W–2.0 15–4 4.2,4.2
UCR X 07 14 29 55.6–.67 10.82N 86.67W 13–12 4.9W,4.2
IDC X 07 14 29 57.8–4.6 12.02N 84.83W 59–47 3.7,3.4b
ISC Event type se.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CATAC Event type se. Error ellipse: s-maj=5.1km s-min=3.4km az=178.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.87 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-2.78 $M_{r\theta}$3.42 $M_{\theta\phi}$-1.09 $M_{\phi r}$-3.62 NP1:ϕ_s149.38519°,δ81.17693°,λ65.58063°. NP2:ϕ_s40.71873°,δ25.87225°,λ159.42076°. Principal axes: T 6.2143,Plg48.1326°,Azm33.4087°; N -1.3476,Plg24.1119°,Azm153.3689° ; P -4.8667,Plg31.8552°,Azm259.5159° M_o5.66205×10^{17}
UCR Event type se. Error ellipse: s-maj=4.4km s-min=5.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=58.9km s-min=20.1km az=62.0.
ISC X 03 13 05 01.5–1.4 10.99N–.04 86.94W–.04 28–12 148 1-16
CATAC X 03 13 05 01.6–.46 11N–2.0 87W–2.0 22–4 3.5,3.5 **¶625375452**
UCR X 03 13 05 02.8–.98 11.08N 86.88W 22–9 4.1W,3.5
SNET X 03 13 05 06.7 11N–4.0 87W–4.0 58–14 3.2,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 04 14 16 40.2–1.7 10.50N–.05 86.20W–.05 8–10 71 1-2
UCR X 04 14 16 39.2–.70 10.34N 86.34W 18–6 4.0W **¶625706994**
CATAC X 04 14 16 49.8–.46 11N–3.0 86W–3.0 31–3 3.0,3.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 03 22 39 47.5–2.1 10.92N–.06 87.06W–.08 29–14 61 1-2
CATAC X 03 22 39 46.6–.65 11N–3.0 87W–3.0 15–6 3.7,3.7 **¶625375395**
SNET X 03 22 39 52.4 11N–10 87W–10 26–5 3.5,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/SEISAN_2015-MODELO_Guat.STA_USGS. confirmed.
ISC X 07 14 37 30.5–1.8 10.46N–.05 86.64W–.05 5–10 3.1b 136 1-68
IDC X 07 14 37 30.8–2.5 11.92N 85.32W 0 3.3b,3.3 **¶621217220**
CATAC X 07 14 37 31.2 10N–3.0 87W–3.0 5–5 3.9,3.9
UCR X 07 14 37 32.8–.86 10.68N 86.55W 0–12 4.4W,3.9
ISC Event type se.
IDC Error ellipse: s-maj=159.7km s-min=17.2km az=71.0.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. confirmed.
UCR Event type se. Error ellipse: s-maj=7.9km s-min=14.9km az=-1.0. Presumed earthquake.
ISC X 09 11 40 37.2–1.7 10.96N–.07 87.28W–.05 31–13 59 1-7
CATAC X 09 11 40 37.4–.56 11N–3.0 87W–2.0 12–4 3.4,3.4 **¶625375919**
SNET X 09 11 40 46.7–.64 12N–6.0 87W–5.0 10 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 07 13 12 57.7–1.5 10.50N–.04 86.60W–.05 14–9 4.5b 157 1-139
CATAC X 07 13 12 56.3–.42 10N–3.0 87W–2.0 9–4 4.4,4.4 **¶621217216**
IDC X 07 13 12 59.1–1.2 11.32N 86.26W 0 3.8b,3.8
NEIC X 07 13 12 59.5–2.3 10.67N–.06 86.67W–.06 19–6 4.5b,3.8
UCR X 07 13 13 00.5–.83 10.69N 86.53W 13–18 4.7W,3.8
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.5km s-min=5.1km az=169.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=57.8km s-min=15.3km az=42.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.8km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=5.6km s-min=11.9km az=-1.0. Presumed earthquake.
ISC X 09 21 29 15.8–2.0 10.12N–.06 86.19W–.06 7–11 71 1-4
UCR X 09 21 29 18.2–.37 10.19N 86.20W 13–27 4.3W **¶625707370**
CATAC X 09 21 29 18.9–.63 10N–4.0 86W–3.0 16–6 3.5,3.5
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 09 09 54 56.2–2.4 10.21N–.07 86.18W–.06 19–4 77 1-2
UCR X 09 09 54 56.0–.54 10.17N 86.17W 16–12 4.6W **¶625707368**
CATAC X 09 09 54 57.1–.67 10N–5.0 86W–3.0 26–9 3.7,3.7
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 19 05 38 13.0–1.9 9.50N–.06 85.97W–.05 15–10 178 1-3
UCR X 19 05 38 11.1–.50 9.49N 86.14W 19–2 3.7W **¶625708135**
CATAC X 19 05 38 13.8–.40 9N–2.0 86W–2.0 22–3 3.9,3.9
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 09 23 12 16.3–1.6 10.57N–.05 86.22W–.07 12–10 55 1-2
UCR X 09 23 12 15.4–.71 10.60N 86.31W 18–7 3.8W **¶625707371**
CATAC X 09 23 12 16.1–.54 11N–2.0 86W–3.0 6–4 3.3,3.3
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 19 23 22 10.9–1.3 10.99N–.03 86.26W–.04 23–14 136 0-3
UCR X 19 23 22 10.3–.89 10.97N 86.29W 13–15 4.2W **¶625379645**
CATAC X 19 23 22 10.3–.40 11N–2.0 86W–2.0 25–2 3.6,3.6
SNET X 19 23 22 13.0–2.2 11N–20 86W–26 39–26 3.6,3.6
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 19 05 13 07.6–1.5 9.51N–.03 85.98W–.03 15–9 4.4b,3.6s 394 1-152
IDC X 19 05 13 05.8–.73 9.50N 85.97W 0 4.0b,4.0 **¶621211189**
UCR X 19 05 13 05.3–.42 9.47N 86.18W 15–2 4.4W,4.0
NEIC X 19 05 13 07.5–1.1 9.48N–.04 85.99W–.05 11–3 4.4b,4.0
CATAC X 19 05 13 09.1–.34 9N–2.0 86W–2.0 27–3 4.8b,4.7
SNET X 19 05 13 49.2–5.3 12N–34 88W–28 10 4.0,4.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-6.71 $M_{\theta\theta}$3.07 $M_{\phi\phi}$3.64 $M_{r\theta}$0.75 $M_{\theta\phi}$-2.98 $M_{\phi r}$-0.16 NP1:ϕ_s141.26406°,δ42.37448°,λ-84.75394°. NP2:ϕ_s314.17927°,δ47.84409°,λ-94.76831°. Principal axes: T 6.3750,Plg2.7400°,Azm47.5529°; N 0.3919,Plg3.5330°,Azm317.3836° ; P -6.7669,Plg85.5269°,Azm175.2706° M_o6.57974×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-6.69 $M_{\theta\theta}$3.12 $M_{\phi\phi}$3.57 $M_{r\theta}$0.66 $M_{\theta\phi}$-2.89 $M_{\phi r}$-0.24 NP1: ϕ_s139.78015°,δ42.29752°,λ-86.14146°. NP2:ϕ_s314.57001°,δ47.82054°,λ-93.50367°. Principal axes: T 6.2731,Plg2.7644°,Azm47.0496°; N 0.4579,Plg2.5956°,Azm316.9242° ; P -6.7309,Plg86.2066°,Azm183.7883° M_o6.51408×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-6.89 $M_{\theta\theta}$3.11 $M_{\phi\phi}$3.78 $M_{r\theta}$0.71 $M_{\theta\phi}$-2.72 $M_{\phi r}$-0.17 NP1: ϕ_s141.60868°,δ42.48644°,λ-85.36385°. NP2:ϕ_s315.33330°,δ47.68503°,λ-94.23387°.

Principal axes: T 6.2168,Plg2.6032°,Azm48.3288°; N 0.7247,Plg3.1295°,Azm318.1864° ; P -6.9415,Plg85.9277°,Azm178.0167° $M_0$6.60902×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-6.96 $M_{\theta\theta}$3.21 $M_{\phi\phi}$3.75 $M_{r\theta}$0.18 $M_{\theta\phi}$-2.60 $M_{\phi r}$0.15 NP1: ϕ_s139.68616°,δ44.99132°,λ-87.54429°. NP2:ϕ_s316.21591°,δ45.06126°,λ-92.45272°. Principal axes: T 6.0905,Plg0.0350°,Azm47.9500°; N 0.8799,Plg1.7359°,Azm317.9489° ; P -6.9704,Plg88.2637°,Azm139.1041° $M_0$6.57478×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-7.10 $M_{\theta\theta}$3.25 $M_{\phi\phi}$3.85 $M_{r\theta}$0.45 $M_{\theta\phi}$-2.70 $M_{\phi r}$-0.21 NP1: ϕ_s139.53788°,δ43.06214°,λ-87.99727°. NP2:ϕ_s316.79769°,δ46.97056°,λ-91.87059°. Principal axes: T 6.2797,Plg1.9548°,Azm48.1211°; N 0.8369,Plg1.3673°,Azm318.0744° ; P -7.1166,Plg87.6142°,Azm193.1235° $M_0$6.73724×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-7.10 $M_{\theta\theta}$3.29 $M_{\phi\phi}$3.81 $M_{r\theta}$0.00 $M_{\theta\phi}$-2.67 $M_{\phi r}$0.25 NP1: ϕ_s138.97822°,δ45.79730°,λ-88.31834°. NP2:ϕ_s316.56693°,δ44.22807°,λ-91.72835°. Principal axes: T 6.2327,Plg0.7848°,Azm227.7891°; N 0.8712,Plg1.2055°,Azm317.8056° ; P -7.1039,Plg88.5615°,Azm104.7310° $M_0$6.71081×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-7.40 $M_{\theta\theta}$3.66 $M_{\phi\phi}$3.75 $M_{r\theta}$0.50 $M_{\theta\phi}$-2.74 $M_{\phi r}$-0.15 NP1: ϕ_s137.10923°,δ43.12868°,λ-87.54261°. NP2:ϕ_s313.74392°,δ46.92065°,λ-92.29995°. Principal axes: T 6.4587,Plg1.8968°,Azm45.3709°; N 0.9676,Plg1.6797°,Azm315.3153° ; P -7.4263,Plg87.4660°,Azm183.8158° $M_0$6.99290×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-7.33 $M_{\theta\theta}$3.52 $M_{\phi\phi}$3.81 $M_{r\theta}$0.79 $M_{\theta\phi}$-2.70 $M_{\phi r}$-0.55 NP1: ϕ_s137.86523°,δ41.10373°,λ-87.93415°. NP2:ϕ_s315.12453°,δ48.92875°,λ-91.80141°. Principal axes: T 6.4337,Plg3.9136°,Azm46.4012°; N 0.9677,Plg1.3580°,Azm316.3083° ; P -7.4013,Plg85.8568°,Azm207.2065° $M_0$6.96809×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-7.31 $M_{\theta\theta}$3.30 $M_{\phi\phi}$4.01 $M_{r\theta}$0.14 $M_{\theta\phi}$-2.91 $M_{\phi r}$0.32 NP1: ϕ_s140.73260°,δ45.65237°,λ-86.83354°. NP2:ϕ_s316.20750°,δ44.43705°,λ-93.23431°. Principal axes: T 6.5896,Plg0.6081°,Azm228.4940°; N 0.7377,Plg2.2638°,Azm318.5181° ; P -7.3273,Plg87.6559°,Azm123.4660° $M_0$6.98772×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-4.80 $M_{\theta\theta}$2.16 $M_{\phi\phi}$2.64 $M_{r\theta}$-0.11 $M_{\theta\phi}$-2.38 $M_{\phi r}$-0.13 NP1: ϕ_s135.96599°,δ44.90014°,λ-92.75096°. NP2:ϕ_s319.84672°,δ45.16562°,λ-87.26175°. Principal axes: T 4.7953,Plg0.1328°,Azm47.9108°; N 0.0096,Plg1.9415°,Azm137.9153° ; P -4.8049,Plg88.0540°,Azm313.9989° $M_0$4.80013×10^{15}

SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**28 11 46 46.4–1.2**	**11.00N–.03**	**86.37W–.03**	**10–10**		**157**	**1-4**	
SNET	X	28 11 46 36.8–4.3	12N–12	84W–33	10	4.5,4.5			**¶625380367**
UCR	X	28 11 46 45.6–1.0	10.96N	86.46W	5–8	4.3W,4.5			
CATAC	X	28 11 46 47.4–.45	11N–3.0	86W–2.0	26–4	3.8,3.8			

ISC Event type se.

SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

UCR Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**22 06 22 23.0–1.3**	**8.90N–.04**	**84.08W–.04**	**13–10**		**89**	**0-4**	
CATAC	X	22 06 22 23.8–.51	9N–3.0	84W–4.0	4–3	3.8,3.8			**¶625708371**
UCR	X	22 06 22 23.0–.71	8.88N	84.12W	16–6	4.1W,3.8			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=11.4km s-min=3.3km az=53.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0. Presumed earthquake.

ISC	**X**	**23 02 23 35.1–2.1**	**10.55N–.05**	**86.30W–.09**	**17–10**		**51**	**1-2**	
CATAC	X	23 02 23 35.1–1.7	11N–7.0	86W–9.0	4–8	3.2,3.2			**¶625708536**
UCR	X	23 02 23 37.0–.60	10.63N	86.21W	26–5	3.6W,3.2			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=23.5km s-min=5.9km az=49.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=4.5km s-min=5.2km az=-1.0. Presumed earthquake.

ISC	**X**	**25 03 47 23.8–1.9**	**9.50N–.06**	**86.04W–.05**	**13–10**		**109**	**1-4**	
UCR	X	25 03 47 22.7–.43	9.49N	86.14W	18–2	3.9W			**¶625708629**
CATAC	X	25 03 47 25.3–.50	10N–3.0	86W–2.0	11–3	3.9,3.9			

ISC Event type se.

UCR Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**24 10 22 22.1–1.0**	**10.88N–.04**	**86.43W–.04**	**47–10**	**4.3b,3.9s**	**262**	**1-150**	
IDC	X	24 10 22 17.8–.70	11.51N	86.00W	0	4.1b,4.1			**¶621238103**
UCR	X	24 10 22 19.6–.47	10.82N	86.48W	19–4	5.0W,4.1			
CATAC	X	24 10 22 20.4–.32	11N–2.0	86W–2.0	24	4.2,4.2			
NEIC	X	24 10 22 22.4–1.5	10.90N–.06	86.40W–.08	44–9	4.4b,4.2			

ISC Event type se.

UCR Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**05 16 42 06.7–1.6**	**10.94N–.05**	**86.34W–.05**	**15–10**		**72**	**1-3**	
CATAC	XI	05 16 42 07.3–.46	11N–2.0	86W–2.0	19–2	2.8,2.8			**¶626091147**
UCR	XI	05 16 42 07.1–.70	11.00N	86.32W	13–40	3.7W,2.8			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=5.4km s-min=3.3km az=40.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=11.1km s-min=37.5km az=-1.0. Presumed earthquake.

ISC	**XI**	**12 04 46 45.6–1.4**	**10.97N–.04**	**86.85W–.03**	**15–9**		**151**	**1-4**	
UCR	XI	12 04 46 46.2–.56	10.96N	86.83W	15–9	4.0W			**¶635691686**
CATAC	XI	12 04 46 47.7–.51	11N–2.0	87W–2.0	30–6	3.5,3.5			

ISC Event type se.

UCR Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**09 10 12 41.3–1.7**	**10.98N–.04**	**86.84W–.05**	**15–10**		**161**	**1-3**	
UCR	XI	09 10 12 40.8–.68	10.98N	86.84W	10–36	4.0W			**¶626091180**
CATAC	XI	09 10 12 41.0–.36	11N–2.0	87W–1.0	19–3	3.9,3.9			

ISC Event type se.

UCR Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**10 17 27 42.5–2.5**	**10.80N–.06**	**86.84W–.07**	**17–13**		**125**	**1-2**	
UCR	XI	10 17 27 41.6–.52	10.83N	86.89W	6–7	4.3W			**¶626091188**
CATAC	XI	10 17 27 42.4–.49	11N–3.0	87W–2.0	26–7	3.9,3.9			

ISC Event type se.

UCR Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**14 19 14 53.8–2.8**	**10.6N–.10**	**86.72W–.10**	**5–12**		**37**	**1-2**	
CATAC	XI	14 19 14 51.5–.78	10N–6.0	87W–5.0	10	3.5,3.5			**¶626091225**
UCR	XI	14 19 14 57.6–.45	10.83N	86.65W	17–5	3.8W,3.5			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=13.9km s-min=9.7km az=163.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=14.0km s-min=5.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**13 16 03 51.7–1.3**	**10.85N–.03**	**86.76W–.03**	**7–8**	**4.4b**	**157**	**1-150**	
IDC	XI	13 16 03 52.0–1.1	11.36N	86.44W	0	4.0b,4.0			**¶621402821**
CATAC	XI	13 16 03 53.3–.51	11N–3.0	87W–2.0	28–6	3.9,3.9			
NEIC	XI	13 16 03 53.2–1.9	10.86N–.04	86.71W–.06	10–1	4.4b,3.9			
UCR	XI	13 16 03 54.9–.99	10.93N	86.69W	13–7	4.6W,3.9			

ISC Event type se.

IDC Error ellipse: s-maj=53.8km s-min=13.8km az=42.0.

CATAC Event type se. Error ellipse: s-maj=7.1km s-min=3.0km az=35.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.6km az=244.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

UCR Event type se. Error ellipse: s-maj=6.5km s-min=7.0km az=-1.0. Presumed earthquake.

ISC	**XI**	**14 14 04 05.1–1.6**	**10.93N–.04**	**86.46W–.05**	**17–10**		**79**	**1-3**	
CATAC	XI	14 14 04 05.2–.49	11N–2.0	86W–2.0	19–3	3.1,3.1			**¶626091219**
UCR	XI	14 14 04 05.0–.52	10.93N	86.48W	13–14	4.0W,3.1			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=43.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=4.6km s-min=11.2km az=-1.0. Presumed earthquake.

ISC	**XI**	**12 03 26 46.9–2.5**	**10.40N–.07**	**86.76W–.09**	**1–11**		**57**	**1-2**	
CATAC	XI	12 03 26 46.3–1.1	10N–3.0	87W–5.0	1–7	3.5,3.5			**¶626091200**
UCR	XI	12 03 26 52.6–.77	10.62N	86.58W	16–13	3.7W,3.5			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=10.9km s-min=4.4km az=62.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=12.7km s-min=10.3km az=-1.0. Presumed earthquake.

ISC	**XI**	**19 06 21 06.1–1.6**	**10.51N–.04**	**86.73W–.05**	**7–11**		**133**	**1-4**	
CATAC	XI	19 06 21 07.8	10.5N–.90	86.7W–.90	5–2	3.8,3.8			**¶626091252**
UCR	XI	19 06 21 08.4–.50	10.56N	86.65W	13–10	4.4W,3.8			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. confirmed.

UCR Event type se. Error ellipse: s-maj=4.5km s-min=6.9km az=-1.0. Presumed earthquake.

ISC	**XI**	**15 22 43 01.2–1.9**	**10.95N–.05**	**86.84W–.05**	**17–11**		**81**	**1-3**	
UCR	XI	15 22 42 57.5–.52	10.82N	86.98W	2–48	4.5W			**¶626091233**
CATAC	XI	15 22 43 02.1–.36	11N–2.0	87W–2.0	19	3.5,3.5			

ISC Event type se.

UCR Event type se. Presumed earthquake.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**01 01 38 22.4–2.9**	**10.66N–.08**	**86.8W–.10**	**17–12**		**33**	**1-2**	
CATAC	XII	01 01 38 23.6	11N–3.0	87W–3.0	10–4	3.2,3.2			**¶626091319**
UCR	XII	01 01 38 24.4–.48	10.64N	86.63W	1–23	3.8W,3.2			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.

UCR Event type se. Error ellipse: s-maj=7.2km s-min=21.8km az=-1.0. Presumed earthquake.

UCR	**XI**	**26 00 11 04.0–.85**	**8.88N**	**84.06W**	**5–6**	**4.1W**			
									¶621823541

UCR Event type se. Error ellipse: s-maj=5.6km s-min=4.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**01 01 56 18.6–1.7**	**10.71N–.05**	**86.73W–.05**	**13–10**	**3.5b**	**69**	**1-150**	
IDC	XII	01 01 56 16.9–1.0	10.78N	86.78W	0	3.6b,3.6			**¶621629779**
CATAC	XII	01 01 56 17.8	11N–2.0	87W–2.0	6–3	4.0,4.0			
UCR	XII	01 01 56 18.3–.57	10.67N	86.72W	13–13	4.6W,4.0			

ISC Event type se.

IDC Error ellipse: s-maj=51.6km s-min=18.0km az=40.0.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.

UCR Event type se. Error ellipse: s-maj=8.9km s-min=6.9km az=-1.0. Presumed earthquake.

CATAC	**XII**	**01 11 34 13.7–.37**	**11N–2.0**	**87W–2.0**	**17–4**	**3.9,3.9**			
									¶626091326

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**12 00 49 52.0–2.6**	**10.35N–.09**	**86.63W–.10**	**11–12**		**42**	**1-2**	
CATAC	XII	12 00 49 52.8–1.1	10N–5.0	87W–4.0	10–8	3.3,3.3			**¶626091369**
UCR	XII	12 00 49 52.8–.44	10.40N	86.62W	14–8	4.0W,3.3			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=10.8km s-min=9.1km az=160.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=11.0km s-min=9.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**18 17 24 26.2–1.5**	**9.91N–.04**	**86.10W–.04**	**23–10**	**4.3b,3.3s**	**236**	**1-151**	
IDC	XII	18 17 24 22.1–1.1	9.82N	86.07W	0	3.9b,3.9			**¶621633509**
UCR	XII	18 17 24 25.0–.62	9.91N	86.20W	24–2	4.7W,3.9			
NEIC	XII	18 17 24 26.6–1.6	9.95N–.05	86.06W–.04	18–4	4.3b,3.9			
CATAC	XII	18 17 24 27.1–.40	10N–2.0	86W–2.0	26–3	4.1,4.1			

ISC Event type se.

UCR Event type se. Presumed earthquake.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**14 02 46 37.3–2.2**	**10.82N–.09**	**86.47W–.09**	**5–15**		**37**	**1-1**	
CATAC	XII	14 02 46 38.2–.71	11N–4.0	86W–3.0	9–7	3.4,3.4			**¶626091407**
UCR	XII	14 02 46 38.7–.70	10.68N	86.48W	20–10	3.6W,3.4			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=8.2km s-min=6.1km az=20.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=34.7km s-min=7.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**14 03 54 45.6–1.6**	**10.49N–.06**	**86.57W–.06**	**21–4**		**86**	**1-3**	
CATAC	XII	14 03 54 45.9–.65	10N–3.0	87W–3.0	28–8	3.3,3.3			**¶626091408**
UCR	XII	14 03 54 45.0–.60	10.55N	86.59W	15–7	4.0W,3.3			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=7.9km s-min=3.1km az=45.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**21 11 06 41.0–2.8**	**10.94N–.05**	**86.43W–.06**	**20–7**		**43**	**1-2**	
CATAC	XII	21 11 06 40.6–.60	11N–3.0	86W–3.0	14–2	2.6,2.6			**¶626091433**
UCR	XII	21 11 06 40.2–.76	10.97N	86.40W	0–298	3.7W,2.6			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=7.1km s-min=3.8km az=45.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=23.2km s-min=149.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**22 18 18 29.4–3.1**	**11.0N–.10**	**87.4W–.10**	**12–12**		**54**	**1-3**	
CATAC	XII	22 18 18 36.7–.55	11N–3.0	87W–3.0	10–4	3.5,3.5			**¶625356900**
SNET	XII	22 18 18 48.4–1.1	12N–9.0	87W–9.0	26–7	3.5,3.5			

ISC Event type se.

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**XII**	**28 06 49 48.2–1.4**	**8.91N–.04**	**84.25W–.04**	**10–10**		**113**	**1-3**	
CATAC	XII	28 06 49 49.3–.57	9N–3.0	84W–3.0	4–2	3.2,3.2			**¶626091470**
UCR	XII	28 06 49 49.2–.63	8.93N	84.26W	16–5	3.6W,3.2			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=9.9km s-min=2.9km az=45.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=2.5km s-min=2.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**23 06 26 51.6–1.4**	**8.91N–.04**	**84.25W–.04**	**10–12**		**90**	**1-2**	
CATAC	XII	23 06 26 52.0–.73	9N–4.0	84W–4.0	6–5	3.8,3.8			**¶626091445**
UCR	XII	23 06 26 51.4–.63	8.93N	84.24W	0–2	4.0W,3.8			

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=10.4km s-min=5.1km az=50.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=2.6km s-min=2.2km az=-1.0. Presumed earthquake.

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ISC	**VII**	**04 10 41 41.5–.89**	**9.56N–.03**	**83.89W–.02**	**32–4**		**134**	**0-2**	
UPA	VII	04 10 41 40.1–1.3	9.80N	83.81W	10–999	3.3W			**¶625300102**
CATAC	VII	04 10 41 41.1–.22	10N–2.0	84W–2.0	18–1	3.2,3.2			
UCR	VII	04 10 41 41.9–.80	9.57N	83.91W	29–1	3.5W,3.2			

ISC Event type se.

UPA Event type se. Error ellipse: s-maj=503.5km s-min=734.3km az=-1.0. Presumed earthquake.

CATAC Event type se. Error ellipse: s-maj=4.6km s-min=2.8km az=44.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

UCR Event type se. Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**06 19 20 09.9–.80**	**9.83N–.03**	**83.96W–.02**	**16**		**61**	**0-2**	
UCR	VII	06 19 20 09.5–.85	9.82N	83.94W	6–1	3.6W			**¶620967573**
UPA	VII	06 19 20 10.4–1.3	10.06N	83.95W	19–999	3.3W			

ISC Event type se.

UCR Event type se. Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=686.4km s-min=869.1km az=-1.0. Presumed earthquake.
ISC VII 06 20 39 54.9–1.2 9.19N–.03 83.87W–.03 17–10 91 0-3
CATAC VII 06 20 39 54.8–.33 9N–3.0 84W–3.0 9–2 3.8,3.8 **¶620967572**
UCR VII 06 20 39 55.2–.89 9.20N 83.87W 21–3 4.1W,3.8
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.1km s-min=3.3km az=52.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.0km s-min=1.7km az=-1.0. Presumed earthquake.
ISC VII 09 05 07 37.6–1.1 9.24N–.03 83.86W–.03 11–9 104 0-3
UPA VII 09 05 07 37.3–1.9 9.42N 83.68W 1–6 3.4 **¶625300141**
CATAC VII 09 05 07 37.8–.39 9N–3.0 84W–3.0 7–2 3.4,3.4
UCR VII 09 05 07 37.5–.76 9.21N 83.88W 29–1 4.0W,3.4
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=7.3km s-min=5.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=8.8km s-min=3.0km az=52.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=-1.0. Presumed earthquake.
ISC VII 11 10 56 45.0–1.3 10.17N–.03 84.26W–.03 87–5 171 0-3
UCR VII 11 10 56 44.4–.77 10.21N 84.26W 87–2 4.2W **¶620967632**
UPA VII 11 10 56 45.4–1.6 10.12N 84.26W 86–7 3.5W
CATAC VII 11 10 56 45.5–.28 10N–2.0 84W–2.0 72–3 3.1,3.1
ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 15 06 52 44.5–1.4 10.17N–.04 84.38W–.04 76–6 149 0-2
UCR VII 15 06 52 43.6–.96 10.20N 84.38W 78–2 3.7W **¶625300193**
CATAC VII 15 06 52 44.5–.42 10N–3.0 84W–4.0 61–4 3.0,3.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 15 13 34 20.4–.89 8.44N–.03 83.05W–.03 14–6 80 0-10
RSNC VII 15 13 34 00.8–.40 8N–4.0 83W–4.0 9–3 6.3b,6.0 **¶625170152**
UPA VII 15 13 34 19.4–.84 8.43N 83.05W 13–2 3.9W,6.0
UCR VII 15 13 34 19.8–.78 8.40N 83.07W 9–2 4.1W,6.0
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0. Presumed earthquake.
ISC VII 17 03 10 11.5–.88 9.53N–.02 83.92W–.02 30 127 0-2
UPA VII 17 03 10 08.6–1.3 9.72N 83.91W 10–999 3.6W **¶625300210**
CATAC VII 17 03 10 10.8–.26 10N–2.0 84W–3.0 20–2 3.7,3.7
UCR VII 17 03 10 11.1–.79 9.56N 83.91W 37–1 3.7W,3.7
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=511.8km s-min=863.3km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=6.6km s-min=3.2km az=52.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0. Presumed earthquake.
ISC VII 19 08 04 16.0–1.4 10.23N–.04 84.38W–.04 84–6 143 0-3
UCR VII 19 08 04 15.2–.87 10.26N 84.38W 86–2 3.6W **¶620967751**
CATAC VII 19 08 04 16.3–.33 10N–2.0 84W–3.0 67–3 2.7,2.7
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 20 23 57 14.4–.72 9.84N–.02 84.06W–.02 13–4 3.9b 177 0-29
NEIC VII 20 23 57 14.7–1.1 9.83N–.04 84.08W–.03 9–4 3.9b **¶620838904**
UCR VII 20 23 57 14.5–.82 9.87N 84.05W 9–1 4.5W
UPA VII 20 23 57 14.4–2.1 9.83N 84.22W 10–69 4.5W
CATAC VII 20 23 57 14.8–.19 10N–1.0 84W–1.0 5–1 4.5,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s219.57000°,δ83.59000°,λ-7.69000°.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 21 10 37 44.3–.90 9.56N–.02 83.99W–.02 28–4 134 0-2
CATAC VII 21 10 37 43.8–.71 10N–4.0 84W–4.0 17–4 3.5,3.5 **¶625300262**
UCR VII 21 10 37 44.4–.82 9.59N 83.99W 28–1 3.7W,3.5
UPA VII 21 10 37 45.0–1.1 9.31N 84.23W 43–693 3.8W,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.6km s-min=6.2km az=129.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=97.3km s-min=213.0km az=-1.0. Presumed earthquake.
ISC VII 21 10 56 10.8–.95 9.54N–.03 84.16W–.03 32–6 100 0-2
UPA VII 21 10 56 07.9–1.1 9.48N 84.28W 10–295 3.5W **¶625300263**
CATAC VII 21 10 56 10.0–.35 10N–2.0 84W–3.0 25–2 3.3,3.3
UCR VII 21 10 56 10.4–.81 9.57N 84.15W 36–2 4.0W,3.3
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=103.3km s-min=219.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=83.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0. Presumed earthquake.
ISC VII 25 06 41 00.9–1.3 9.96N–.05 84.12W–.05 71–8 35 0-2
UPA VII 25 06 40 55.6–1.2 10.21N 84.18W 10–70 3.8W **¶620967972**
CATAC VII 25 06 41 00.9–.32 10N–3.0 84W–2.0 56–4 3.2,3.2
ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 15 03 09 37.6–.91 9.58N–.03 83.96W–.03 31–4 132 0-3
UPA VII 15 03 09 35.8–.72 9.68N 83.89W 3–260 4.0W **¶620967684**
CATAC VII 15 03 09 36.8–.29 10N–2.0 84W–3.0 16–2 4.1,4.1
UCR VII 15 03 09 37.3–.69 9.57N 83.99W 32–0 4.2W,4.1
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=190.8km s-min=313.0km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=6.9km s-min=3.3km az=55.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.3km s-min=1.1km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s278.78000°,δ55.00000°,λ0.00000°.
ISC VII 21 05 33 51.4–1.9 10.63N–.05 84.81W–.05 132–10 116 0-3
UCR VII 21 05 33 51.0–.88 10.64N 84.80W 130–3 3.8W **¶625300261**
CATAC VII 21 05 33 52.3–.60 11N–4.0 85W–4.0 117–4 3.1,3.1
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 27 06 37 22.8–.83 9.53N–.03 84.86W–.02 24–5 4.1b,3.3s 210 0-86
IDC VII 27 06 37 19.7–2.1 9.57N 84.50W 0 3.7b,3.7 **¶620857916**
NEIC VII 27 06 37 21.3–2.2 9.50N–.04 84.89W–.06 10–2 4.2b,3.7
UCR VII 27 06 37 22.9–.95 9.55N 84.87W 22–2 4.4W,3.7
CATAC VII 27 06 37 22.5–.45 10N–3.0 85W–2.0 4–1 4.3,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 08 18 53 22.8–1.4 10.13N–.04 84.35W–.04 70–6 91 0-3
CATAC VIII 08 18 53 23.0–.36 10N–3.0 84W–3.0 53–4 3.0,3.0 **¶625300446**
UCR VIII 08 18 53 22.3–.70 10.14N 84.36W 71–2 3.6W,3.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.9km s-min=3.4km az=47.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0. Presumed earthquake.
ISC VII 27 07 58 38.3–1.1 9.46N–.04 84.89W–.03 14–8 132 0-2
CATAC VII 27 07 58 37.1–.48 9N–3.0 85W–2.0 4–2 3.1,3.1 **¶625300326**
UCR VII 27 07 58 39.0–1.0 9.56N 84.87W 21–2 3.6W,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.9km s-min=3.0km az=37.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.5km s-min=1.4km az=-1.0. Presumed earthquake.
ISC VII 27 14 30 49.9–1.3 10.04N–.03 84.19W–.03 76–6 149 0-2
UCR VII 27 14 30 49.0–.94 10.07N 84.18W 79–2 3.9W **¶625300327**
CATAC VII 27 14 30 49.8–.36 10N–2.0 84W–3.0 66–4 3.0,3.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 08 02 15 44.0–1.3 9.18N–.04 83.73W–.04 49–8 86 0-2
UPA VIII 08 02 15 43.1–1.2 9.27N 83.63W 10–36 3.2W **¶625300445**
UCR VIII 08 02 15 43.1–.83 9.18N 83.73W 58–2 3.7W
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=14.4km s-min=25.6km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=2.5km s-min=1.9km az=-1.0. Presumed earthquake.
ISC VIII 01 23 38 29.6–.85 9.62N–.02 84.24W–.02 18–2 149 0-3
UPA VIII 01 23 38 27.4–2.0 9.79N 84.29W 10–167 3.8W **¶625300377**
CATAC VIII 01 23 38 29.1–.27 10N–3.0 84W–3.0 11–3 3.9,3.9
UCR VIII 01 23 38 29.4–.63 9.63N 84.23W 22–1 4.1W,3.9
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=73.1km s-min=116.3km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=8.4km s-min=4.1km az=52.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0. Presumed earthquake.
ISC VIII 21 03 18 33.0–1.8 10.93N–.06 85.18W–.07 187–10 100 0-4
UCR VIII 21 03 18 32.1–.63 10.94N 85.18W 187–28 3.6W **¶625300556**
CATAC VIII 21 03 18 33.1–.47 11N–4.0 85W–4.0 180–3 3.1,3.1
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 20 13 00 02.4–1.2 9.18N–.04 83.92W–.04 17–9 72 0-2
UPA VIII 20 13 00 01.2–1.2 9.34N 83.93W 10–35 4.0W **¶625300550**
UCR VIII 20 13 00 03.9–.78 9.17N 83.84W 29–2 4.2W
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=16.6km s-min=25.0km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0. Presumed earthquake.
ISC IX 01 16 50 17.9–1.3 9.10N–.05 83.73W–.04 41–7 67 0-4
CATAC IX 01 16 50 17.7–.36 9N–4.0 84W–3.0 32–2 3.7,3.7 **¶625706650**
UCR IX 01 16 50 17.1–.64 9.09N 83.74W 48–3 4.0W,3.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.9km s-min=3.3km az=37.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0. Presumed earthquake.
ISC VIII 24 04 45 34.4–.90 9.76N–.02 83.34W–.02 14–7 113 0-3
CATAC VIII 24 04 45 33.5–.28 10N–2.0 83W–2.0 1 3.4,3.4 **¶625300586**
UCR VIII 24 04 45 34.3–.68 9.77N 83.37W 8–1 3.6W,3.4
UPA VIII 24 04 45 34.6–.78 9.67N 83.32W 0–13 3.1W,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.4km s-min=2.7km az=57.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=14.6km s-min=11.9km az=-1.0. Presumed earthquake.
ISC IX 01 06 45 26.3–.77 10.70N–.01 85.17W–.02 6–4 107 0-2
UCR IX 01 06 45 25.9–.61 10.69N 85.20W 3–1 4.2W **¶625706649**
CATAC IX 01 06 45 26.7–.20 11N–1.0 85W–1.0 8–2 2.5,2.5
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 26 19 05 56.6–1.0 9.48N–.03 83.83W–.03 35–3 107 0-2
UPA VIII 26 19 05 56.0–1.7 9.38N 83.98W 42–147 3.6W **¶625300609**
UCR VIII 26 19 05 57.2–.85 9.51N 83.76W 27–1 3.6W
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=35.1km s-min=117.2km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0. Presumed earthquake.
ISC IX 06 22 03 33.6–1.1 9.50N–.03 84.37W–.02 33–2 113 0-3
CATAC IX 06 22 03 33.6–.26 9N–2.0 84W–2.0 2–1 3.5,3.5 **¶621309536**
UCR IX 06 22 03 34.6–.70 9.54N 84.36W 20–4 3.8W,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=2.2km az=39.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.3km s-min=1.2km az=-1.0. Presumed earthquake.
ISC IX 04 09 48 03.3–1.3 10.62N–.03 83.03W–.03 8–10 4.3b 256 1-29
CATAC IX 04 09 48 04.4–.38 11N–2.0 83W–1.0 6–2 4.7b,4.6b **¶621309523**
UCR IX 04 09 48 06.1–.69 10.59N 83.07W 20–3 4.3W,4.6b
NEIC IX 04 09 48 07.2–1.0 10.54N–.05 83.05W–.05 39–16 4.3b,4.6b
RSNC IX 04 09 48 07.8–.30 11N–3.0 83W–2.0 79–18 4.8b,4.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 05 20 42 07.0–.84 9.87N–.02 84.32W–.02 11–5 64 0-2
CATAC IX 05 20 42 07.0–.26 10N–2.0 84W–3.0 8–2 3.0,3.0 **¶625706654**
UCR IX 05 20 42 06.8–1.0 9.89N 84.31W 5–1 3.5W,3.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.2km s-min=3.1km az=55.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0. Presumed earthquake.
ISC IX 09 04 27 29.8–1.3 8.97N–.04 83.95W–.03 9–8 4.3b 152 0-145
UCR IX 09 04 27 30.7–.93 8.96N 83.97W 19–8 4.9W **¶621105841**
CATAC IX 09 04 27 31.1–.45 9N–3.0 84W–3.0 3–2 4.7,4.7
IDC IX 09 04 27 31.3–.97 9.84N 83.57W 0 4.0b,4.0
NEIC IX 09 04 27 31.6–1.4 9.03N–.04 83.95W–.02 10–1 4.4b,4.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.48 $M_{\theta\theta}$-2.06 $M_{\phi\phi}$-1.42 $M_{r\theta}$2.25 $M_{\theta\phi}$2.10 $M_{\phi r}$-1.02 NP1:ϕ_s121.05132°,δ62.12837°,λ80.19912°. NP2:ϕ_s321.33140°,δ29.41380°,λ107.84253°. Principal axes: T 4.2948,Plg71.1778°,Azm9.1457°; N 0.2757,Plg8.6546°,Azm125.6684° ; P -4.5705,Plg16.5822°,Azm218.2662° $M_0$4.43909×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.39 $M_{\theta\theta}$-1.82 $M_{\phi\phi}$-0.57 $M_{r\theta}$3.14 $M_{\theta\phi}$1.57 $M_{\phi r}$-2.01 NP1: ϕ_s122.75509°,δ72.38513°,λ88.99803°. NP2:ϕ_s306.06277°,δ17.64244°,λ93.15243°. Principal axes: T 4.3219,Plg62.6020°,Azm31.2153°; N 0.4916,Plg0.9550°,Azm123.0583° ; P -4.8135,Plg27.3785°,Azm213.5529° $M_0$4.58750×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 01 12 27.1–1.6 9.36N–.06 84.71W–.05 13–9 38 0-2
CATAC IX 12 01 12 26.9–.93 9N–5.0 85W–5.0 3–4 2.9,2.9 **¶625706664**
UCR IX 12 01 12 28.0–.45 9.40N 84.69W 10–5 3.6W,2.9
ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=14.7km s-min=4.8km az=47.6. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=5.6km s-min=2.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**11 01 33 23.5–.94**	**10.68N–.02**	**85.18W–.02**	**4–6**		**54**	**0-1**
UCR	IX	11 01 33 22.8–.80	10.68N	85.19W	3–1	3.9W	**¶625706661**	
CATAC	IX	11 01 33 24.4–.44	11N–4.0	85W–4.0	4–2	2.9,2.9		

ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**12 01 20 22.1–1.4**	**9.40N–.05**	**84.69W–.04**	**15–8**		**56**	**0-3**
CATAC	IX	12 01 20 21.9–.77	9N–4.0	85W–5.0	5–3	3.4,3.4	**¶625706665**	
UCR	IX	12 01 20 22.4–.47	9.42N	84.68W	18–3	3.9W,3.4		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=12.9km s-min=4.3km az=50.0. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.4km s-min=2.0km az=-1.0. Presumed earthquake.

ISC	**IX**	**17 10 10 38.0–1.4**	**9.37N–.05**	**84.22W–.04**	**26–14**		**44**	**0-2**
CATAC	IX	17 10 10 37.6–.47	9N–3.0	84W–3.0	22–4	3.3,3.3	**¶625706678**	
UCR	IX	17 10 10 38.3–.50	9.40N	84.20W	26–4	3.6W,3.3		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.4km s-min=5.6km az=52.4. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=4.6km s-min=2.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**12 06 15 12.7–1.0**	**9.47N–.04**	**84.39W–.03**	**17–6**		**74**	**0-2**
CATAC	IX	12 06 15 12.1–.43	9N–3.0	84W–2.0	3–2	2.9,2.9	**¶625706666**	
UCR	IX	12 06 15 13.4–.59	9.52N	84.38W	13–2	3.5W,2.9		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.6km s-min=3.4km az=32.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.3km s-min=1.1km az=-1.0. Presumed earthquake.

ISC	**IX**	**13 12 20 31.2–1.6**	**10.11N–.04**	**85.93W–.04**	**4–10**	**4.2b**	**186**	**0-151**
CATAC	IX	13 12 20 30.1	10N–5.0	86W–5.0	1–3	4.0,4.0	**¶621072356**	
UCR	IX	13 12 20 31.2–.70	10.09N	86.01W	4–8	4.4W,4.0		
IDC	IX	13 12 20 32.8–1.3	11.19N	84.95W	0	3.6b,3.6		
NEIC	IX	13 12 20 35.8–1.3	10.19N–.08	85.81W–.06	37–12	4.2b,3.6		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. confirmed.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**15 18 28 56.3–1.3**	**10.64N–.03**	**85.52W–.04**	**62–6**		**113**	**0-2**
UCR	IX	15 18 28 55.9–.82	10.66N	85.52W	57–3	3.7W	**¶625706676**	
CATAC	IX	15 18 28 56.7–.22	11N–2.0	86W–2.0	37–3	3.7,3.7		

ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**20 01 32 32.2–1.3**	**8.82N–.04**	**83.09W–.03**	**49–7**		**87**	**0-4**
UPA	IX	20 01 32 29.3–1.4	8.99N	83.19W	50–9	4.3W	**¶625706683**	
UCR	IX	20 01 32 30.2–.88	8.78N	83.08W	65–4	3.8W		
CATAC	IX	20 01 32 31.2–.51	9N–5.0	83W–3.0	42–7	3.5,3.5		

ISC Event type se.
UPA Event type se. Presumed earthquake.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**23 01 42 14.6–.85**	**10.19N–.03**	**83.95W–.02**	**14–6**		**58**	**0-2**
UCR	IX	23 01 42 13.9–.67	10.20N	83.94W	2–1	3.5W	**¶625706692**	
CATAC	IX	23 01 42 15.3–.55	10N–2.0	84W–4.0	17–5	2.8,2.8		

ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**22 06 58 44.3–.85**	**10.17N–.02**	**83.93W–.01**	**18–3**		**117**	**0-2**
CATAC	IX	22 06 58 44.5–.24	10N–2.0	84W–2.0	4–1	2.6,2.6	**¶625706686**	
UCR	IX	22 06 58 44.5–1.0	10.18N	83.94W	6–2	3.5W,2.6		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=3.8km s-min=2.9km az=55.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**25 05 51 38.5–1.4**	**8.70N–.05**	**83.63W–.04**	**10–10**		**62**	**0-4**
UCR	IX	25 05 51 38.7–.49	8.71N	83.64W	11–3	3.7W	**¶625706698**	
CATAC	IX	25 05 51 39.1–.43	9N–3.0	84W–3.0	5–2	3.2,3.2		

ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**03 18 31 23.8–.88**	**10.56N–.02**	**84.64W–.02**	**18–2**		**102**	**0-2**
CATAC	X	03 18 31 23.4–.18	11N–1.0	85W–1.0	7–2	3.1,3.1	**¶625706940**	
UCR	X	03 18 31 23.7–.88	10.55N	84.67W	12–1	3.6W,3.1		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=3.3km s-min=2.9km az=60.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0. Presumed earthquake.

ISC	**X**	**03 12 28 19.8–.87**	**10.56N–.02**	**84.65W–.02**	**18–3**		**97**	**0-2**
CATAC	X	03 12 28 19.4–.17	11N–1.0	85W–1.0	9–1	3.5,3.5	**¶625706939**	
UCR	X	03 12 28 19.3–.59	10.57N	84.65W	10–1	3.9W,3.5		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=46.7. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0. Presumed earthquake.
Moment Tensor Solution. NP1:ϕ_s23.34000°,δ83.59000°,λ-39.57000°.

ISC	**IX**	**28 13 53 18.6–1.3**	**10.00N–.04**	**84.64W–.03**	**53–6**		**100**	**0-3**
CATAC	IX	28 13 53 17.9–.36	10N–3.0	85W–2.0	42–4	3.0,3.0	**¶625706699**	
UCR	IX	28 13 53 18.6–1.1	10.02N	84.64W	51–3	3.5W,3.0		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.6km s-min=3.6km az=39.4. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0. Presumed earthquake.

ISC	**IX**	**29 19 10 34.7–1.1**	**8.33N–.04**	**83.37W–.03**	**26–6**		**104**	**0-5**
UCR	IX	29 19 10 32.9–.56	8.25N	83.45W	18–4	4.3W	**¶625706700**	
CATAC	IX	29 19 10 34.3–.70	8N–4.0	83W–2.0	7–2	4.3,4.3		
UPA	IX	29 19 10 34.0–1.4	8.30N	83.37W	10–2	4.2W,4.3		

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=2.3km s-min=2.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.6km s-min=3.7km az=20.5. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=2.8km s-min=2.4km az=-1.0. Presumed earthquake.

ISC	**X**	**01 03 11 36.0–1.0**	**9.49N–.02**	**83.73W–.02**	**15–8**		**128**	**0-3**
CATAC	X	01 03 11 36.0–.26	9N–2.0	84W–2.0	10–1	3.3,3.3	**¶625706777**	
UCR	X	01 03 11 36.2–.87	9.50N	83.73W	22–1	3.5W,3.3		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.2km s-min=3.1km az=53.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. Presumed earthquake.

ISC	**X**	**06 01 02 56.2–1.3**	**9.48N–.04**	**84.85W–.03**	**7–9**		**88**	**0-4**
CATAC	X	06 01 02 56.7–.40	10N–2.0	85W–2.0	4–1	3.9,3.9	**¶625707133**	
UCR	X	06 01 02 57.0–.68	9.53N	84.88W	18–5	4.1W,3.9		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.9km s-min=3.0km az=33.7. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.2km s-min=1.8km az=-1.0. Presumed earthquake.

ISC	**X**	**05 03 12 43.7–1.1**	**9.48N–.04**	**84.85W–.02**	**15–9**		**116**	**0-3**
CATAC	X	05 03 12 43.2–.44	9N–3.0	85W–2.0	1	3.6,3.6	**¶625707054**	
UCR	X	05 03 12 44.6–.70	9.56N	84.86W	22–2	3.6W,3.6		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=25.5. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.1km s-min=1.1km az=-1.0. Presumed earthquake.

UPA	**X**	**06 07 12 56.3–1.1**	**8.53N**	**83.02W**	**7–2**	**2.6W**	**¶626674317**	
UPA	Event type se. Error ellipse: s-maj=2.8km s-min=5.1km az=-1.0. Presumed earthquake.								
ISC	**X**	**13 02 54 24.9–1.0**	**9.51N–.02**	**84.88W–.02**	**14–6**	**4.8b,4.3s**	**607**	**0-152**
IDC	X	13 02 54 23.7–.59	9.75N	84.69W	0	4.3b,4.3	**¶625379284**	
GFZ	X	13 02 54 24.9	9.53N	84.87W	17	5.0W,4.3		
GFZ	X	13 02 54 25.1–.20	10N–3.0	85W–3.0	10	5.5b,5.2		
CATAC	X	13 02 54 26.8–.47	9N–3.0	85W–3.0	5–2	5.0,5.0		
UCR	X	13 02 54 26.5–.81	9.53N	84.87W	19–3	5.3W,5.0		
NEIC	X	13 02 54 26.4–1.5	9.56N–.05	84.78W–.04	16–4	5.0,4.9b		
NEIC	X	13 02 54 26.4	9.56N	84.78W	16	5.0,4.9b		
UPA	X	13 02 54 27.2–2.7	9.48N	84.93W	20–17	5.0W,4.9b		
GCMT	X	13 02 54 30.8–.20	9.45N–.01	84.91W–.02	28–0	5.1W,4.9b		
SNET	X	13 02 55 26.1–3.9	13N–26	87W–24	10	3.7,3.7		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}2.31 $M_{\theta\theta}$-1.81 $M_{\phi\phi}$-0.50 $M_{r\theta}$2.94 $M_{\theta\phi}$1.29 $M_{\phi r}$-1.01 NP1: ϕ_s111.38741°,δ71.10078°,λ82.49326°. NP2:ϕ_s313.52508°,δ20.28474°,λ110.88651°. Principal axes: T 3.8617,Plg63.1622°,Azm9.5802°; N 0.2125,Plg7.0999°,Azm113.8314° ; P -4.0741,Plg25.7355°,Azm207.2735° $M_0$3.97217×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.05 $M_{\theta\theta}$-1.22 $M_{\phi\phi}$0.17 $M_{r\theta}$1.23 $M_{\theta\phi}$0.81 $M_{\phi r}$-1.21 NP1:ϕ_s133.13156° ,δ72.74142°,λ106.48096°. NP2:ϕ_s268.21206°,δ23.68904°,λ47.59861°. Principal axes: T 2.0164,Plg59.0162°,Azm66.0660°; N 0.3670,Plg15.7192°,Azm308.1153° ; P -2.3834,Plg25.9596°,Azm210.2395° $M_0$2.22276×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.06 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$0.20 $M_{r\theta}$1.25 $M_{\theta\phi}$0.75 $M_{\phi r}$-1.16 NP1: ϕ_s131.41153°,δ72.53485°,λ106.33454°. NP2:ϕ_s267.09252°,δ23.73792°,λ48.20675°. Principal axes: T 2.0071,Plg59.2609°,Azm64.3088°; N 0.3481,Plg15.5619°,Azm306.3848° ; P -2.3551,Plg25.7892°,Azm208.6515° $M_0$2.20184×10^{16}
UCR Event type se. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s281.39000° ,δ31.61000°,λ49.26000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.67 $M_{\theta\theta}$-2.59 $M_{\phi\phi}$0.91 $M_{r\theta}$3.41 $M_{\theta\phi}$-1.44 $M_{\phi r}$-1.25 NP1:ϕ_s103.64000°,δ77.48000°,λ118.01000°. NP2:ϕ_s215.82000°,δ30.47000° ,λ25.31000°. Principal axes: T 4.4797,Plg50.0000°,Azm45.0000°; N 0.0873,Plg27.0000° ,Azm277.0000°; P -4.5670,Plg27.0000°,Azm172.0000° $M_0$4.52000×10^{16}
NEIC Event type se.
UPA Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110130254A. Moment Tensor Solution. s68,c101; s114,c200;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.48±.14 $M_{\theta\theta}$-3.24±.09; $M_{\phi\phi}$-1.24±.09; $M_{r\theta}$2.55±.12; $M_{\theta\phi}$1.33±.06; $M_{\phi r}$-1.31±.16; Best double couple: NP1: ϕ_s296.00000°,δ28.00000°,λ89.00000°. NP2:ϕ_s117.00000°,δ62.00000°,λ90.00000°. Principal axes: T 5.3670,Plg73.0000°,Azm28.0000°; N -0.5760,Plg0.0000°,Azm297.0000° ; P -4.7900,Plg17.0000°,Azm207.0000° $M_0$5.07900×10^{16}
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**08 07 49 28.7–1.3**	**10.22N–.03**	**85.09W–.03**	**54–6**		**156**	**0-3**
UCR	X	08 07 49 28.2–.90	10.22N	85.10W	52–2	3.9W	**¶625707284**	
CATAC	X	08 07 49 29.2–.57	10N–4.0	85W–3.0	31–5	3.4,3.4		

ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**12 05 22 53.4–.84**	**8.58N–.03**	**83.24W–.02**	**17–6**		**97**	**0-6**
RSNC	X	12 05 22 00.6–.30	9N–4.0	83W–3.0	3–4	3.7L,3.4	**¶625154481**	
UCR	X	12 05 22 52.6–.58	8.55N	83.21W	5–4	3.7W,3.4		
UPA	X	12 05 22 53.5–2.4	8.58N	83.17W	2–5	3.8W,3.4		

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=3.2km s-min=1.7km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=3.9km s-min=2.9km az=-1.0. Presumed earthquake.

ISC	**X**	**11 04 32 41.0–.76**	**10.92N–.02**	**85.77W–.03**	**57–5**	**4.0b**	**284**	**0-140**
IDC	X	11 04 32 32.7–13	10.98N	85.55W	0	3.8b,3.8	**¶621236860**	
NEIC	X	11 04 32 40.9–1.4	10.90N–.03	85.77W–.06	60–6	4.2b,3.8		
UCR	X	11 04 32 40.3–.81	10.91N	85.82W	58–3	4.3W,3.8		
CATAC	X	11 04 32 42.0–.19	11N–1.0	86W–1.0	35–2	4.0,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**13 03 07 01.9–1.4**	**9.50N–.05**	**84.83W–.03**	**11–10**		**138**	**0-3**
CATAC	X	13 03 07 02.9–.51	10N–3.0	85W–3.0	5–2	3.7,3.7	**¶625707673**	
UCR	X	13 03 07 03.0–.46	9.55N	84.86W	20–2	4.0W,3.7		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.0km s-min=3.1km az=40.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.4km s-min=1.4km az=-1.0. Presumed earthquake.

ISC	**X**	**13 04 37 51.3–1.4**	**9.44N–.05**	**84.84W–.03**	**22–6**		**139**	**0-3**
CATAC	X	13 04 37 52.4–.79	9N–4.0	85W–5.0	4–4	3.8,3.8	**¶625707674**	
UCR	X	13 04 37 52.3–.72	9.51N	84.87W	16–4	4.0W,3.8		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=13.1km s-min=3.8km az=45.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.5km s-min=1.6km az=-1.0. Presumed earthquake.

ISC	**X**	**13 12 01 05.5–1.8**	**10.64N–.05**	**84.71W–.06**	**154–9**		**86**	**0-4**
UCR	X	13 12 01 03.6–.97	10.64N	84.75W	162–5	3.6W	**¶625707676**	
CATAC	X	13 12 01 05.1–.46	11N–4.0	85W–3.0	150–3	3.0,3.0		

ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**13 12 16 58.3–1.1**	**9.23N–.03**	**84.27W–.03**	**16–9**		**140**	**0-3**
CATAC	X	13 12 16 59.4–.38	9N–3.0	84W–3.0	5–2	3.7,3.7	**¶625707677**	
UCR	X	13 12 17 00.1–.87	9.30N	84.23W	19–3	4.0W,3.7		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.4km s-min=3.0km az=43.5. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0. Presumed earthquake.

ISC	**X**	**13 23 45 35.7–1.0**	**9.57N–.03**	**84.57W–.02**	**15–8**		**108**	**0-2**
CATAC	X	13 23 45 35.7–.30	10N–2.0	85W–2.0	5–1	3.5,3.5	**¶625707679**	
UCR	X	13 23 45 35.5–1.1	9.56N	84.55W	17–4	3.8W,3.5		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.9km s-min=2.6km az=45.1. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.2km s-min=1.7km az=-1.0. Presumed earthquake.
Moment Tensor Solution. NP1:ϕ_s58.67000°,δ54.37000°,λ-19.53000°.

ISC	**X**	**13 10 09 35.6–.95**	**9.63N–.03**	**84.58W–.02**	**17–7**		**153**	**0-3**
CATAC	X	13 10 09 35.3	10N–2.0	85W–2.0	2–2	3.4,3.4	**¶625707675**	

UCR X 13 10 09 35.7–1.1 9.65N 84.57W 10–2 3.9W,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. confirmed.
UCR Event type se. Error ellipse: s-maj=1.6km s-min=1.2km az=-1.0. Presumed earthquake.
ISC X 18 09 39 35.7–1.2 10.01N–.04 85.62W–.05 15–6 125 0-2
CATAC X 18 09 39 33.6–.60 10N–3.0 86W–3.0 7–2 3.3,3.3 **¶625708064**
UCR X 18 09 39 34.4–.93 10.02N 85.66W 6–3 3.6W,3.3
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.3km s-min=4.0km az=37.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.6km s-min=2.5km az=-1.0. Presumed earthquake.
ISC X 16 13 23 12.8–1.5 9.37N–.04 84.83W–.03 5–12 126 0-3
CATAC X 16 13 23 14.2–.35 9N–2.0 85W–2.0 1 3.7,3.7 **¶625707904**
UCR X 16 13 23 15.5–.81 9.44N 84.84W 16–6 4.0W,3.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.4km s-min=3.0km az=37.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0. Presumed earthquake.
UPA X 14 17 35 16.4–.86 8.87N 83.24W 10–4 2.9W
¶635676372
UPA Event type se. Error ellipse: s-maj=3.7km s-min=4.8km az=-1.0. Presumed earthquake.
ISC X 14 10 45 02.8–.81 10.24N–.02 84.28W–.02 11–5 104 0-3
CATAC X 14 10 45 02.6–.21 10N–1.0 84W–2.0 5–1 3.1,3.1 **¶625707764**
UCR X 14 10 45 02.1–.95 10.24N 84.27W 6–1 3.9W,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=3.6km s-min=2.8km az=50.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0. Presumed earthquake.
ISC X 16 14 53 14.3–.80 9.83N–.02 84.39W–.02 13–5 152 0-9
UCR X 16 14 53 14.7–.76 9.88N 84.35W 8–1 3.8W **¶622505865**
NEIC X 16 14 53 15.1–2.1 9.84N–.05 84.39W–.02 10–2 3.7L
CATAC X 16 14 53 15.3–.22 10N–2.0 84W–1.0 5–1 3.5,3.5
ISC Event type se.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 19 19 53 29.5–.78 8.63N–.04 83.21W–.03 31–6 62 0-34
NEIC X 19 19 53 27.5–1.6 8.20N–.10 83.19W–.04 46–5 4.4b **¶621221465**
UCR X 19 19 53 31.1–1.2 8.61N 83.33W 18–6 4.9W
CATAC X 19 19 53 32.0–.32 9N–2.0 83W–2.0 5–1 4.3,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 19 06 32 22.3–.67 9.40N–.02 84.59W–.02 18–3 4.6b,4.4s 501 0-152
IDC X 19 06 32 19.2–.67 9.43N 84.49W 0 4.3b,4.3 **¶621211192**
NEIC X 19 06 32 20.9–1.1 9.32N–.04 84.62W–.06 10–1 4.6b,4.3
UCR X 19 06 32 22.4–.77 9.40N 84.63W 18–3 5.1W,4.3
GFZ X 19 06 32 23.6–.33 10N–3.0 85W–4.0 19–2 5.6b,5.1
CATAC X 19 06 32 23.2–.25 9N–2.0 85W–2.0 4–1 5.5b,5.0b
GCG X 19 06 33 22.6–1.7 12.34N 87.51W 31 4.6,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=10.4km az=51.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.6km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=2.5km s-min=1.4km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s303.70000°,δ11.17000°,λ63.26000°.
GFZ Error ellipse: s-maj=9.7km s-min=5.1km az=62.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
CATAC Event type se. Error ellipse: s-maj=5.0km s-min=1.9km az=41.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.73 $M_{\theta\theta}$-6.89 $M_{\phi\phi}$1.16 $M_{r\theta}$3.95 $M_{\theta\phi}$2.33 $M_{\phi r}$-4.28 NP1:ϕ_s127.14497°,δ67.15593°,λ112.26678°. NP2:ϕ_s260.62055°,δ31.47771°,λ48.02936°. Principal axes: T 8.6385,Plg61.3503°,Azm71.1204°; N 0.6037,Plg20.4383°,Azm298.1128°; P -9.2421,Plg19.1799°,Azm200.6648° $M_0$8.95555×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.33 $M_{\theta\theta}$-6.82 $M_{\phi\phi}$1.49 $M_{r\theta}$4.10 $M_{\theta\phi}$2.03 $M_{\phi r}$-4.66 NP1: ϕ_s128.22295°,δ69.24214°,λ114.47305°. NP2:ϕ_s256.12986°,δ31.67123°,λ42.45628°. Principal axes: T 8.8147,Plg58.4751°,Azm72.2950°; N 0.3751,Plg22.7912°,Azm299.0591°; P -9.1899,Plg20.5600°,Azm199.9914° $M_0$9.00816×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.74 $M_{\theta\theta}$-6.90 $M_{\phi\phi}$1.16 $M_{r\theta}$3.95 $M_{\theta\phi}$2.33 $M_{\phi r}$-4.28 NP1: ϕ_s127.13148°,δ67.14265°,λ112.25250°. NP2:ϕ_s260.64313°,δ31.47731°,λ48.06515°. Principal axes: T 8.6458,Plg61.3687°,Azm71.1061°; N 0.5994,Plg20.4232°,Azm298.1008°; P -9.2452,Plg19.1709°,Azm200.6626° $M_0$8.96054×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.17 $M_{\theta\theta}$-6.98 $M_{\phi\phi}$0.81 $M_{r\theta}$4.47 $M_{\theta\phi}$2.53 $M_{\phi r}$-3.62 NP1: ϕ_s122.29389°,δ65.60235°,λ105.91120°. NP2:ϕ_s267.68328°,δ28.85906°,λ58.85040°. Principal axes: T 8.5861,Plg65.6958°,Azm60.3926°; N 0.9850,Plg14.4577°,Azm295.5781°; P -9.5711,Plg19.0994°,Azm200.4560° $M_0$9.11859×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.59 $M_{\theta\theta}$-4.51 $M_{\phi\phi}$1.93 $M_{r\theta}$6.08 $M_{\theta\phi}$2.57 $M_{\phi r}$0.83 NP1: ϕ_s81.35846°,δ77.44949°,λ64.28052°. NP2:ϕ_s327.07717°,δ28.42973°,λ152.84264°. Principal axes: T 6.9189,Plg50.8491°,Azm322.2788°; N 1.4218,Plg25.0618°,Azm87.3339°; P -8.3307,Plg27.9160°,Azm191.6789° $M_0$7.72313×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.49 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-0.95 $M_{r\theta}$0.53 $M_{\theta\phi}$0.46 $M_{\phi r}$-0.29 NP1: ϕ_s128.43711°,δ72.45281°,λ44.75182°. NP2:ϕ_s21.79620°,δ47.83425°,λ155.99868°. Principal axes: T 1.0166,Plg43.4603°,Azm354.6625°; N 0.1936,Plg42.6189°,Azm145.3524°; P -1.2102,Plg15.1578°,Azm249.7869° $M_0$1.12592×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.15 $M_{\theta\theta}$-4.43 $M_{\phi\phi}$-1.72 $M_{r\theta}$4.16 $M_{\theta\phi}$4.35 $M_{\phi r}$-4.28 NP1: ϕ_s133.52088°,δ65.63382°,λ97.10047°. NP2:ϕ_s296.72043°,δ25.31892°,λ74.73440°. Principal axes: T 8.4485,Plg68.5774°,Azm57.3665°; N 1.3639,Plg6.4652°,Azm310.5790°; P -9.8124,Plg20.3317°,Azm218.1724° $M_0$9.20649×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.58 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.65 $M_{\theta\phi}$0.57 $M_{\phi r}$-0.62 NP1: ϕ_s133.43417°,δ70.63998°,λ93.71918°. NP2:ϕ_s302.34000°,δ19.70056°,λ79.54044°. Principal axes: T 1.0099,Plg64.1746°,Azm49.4780°; N 0.2918,Plg3.5086°,Azm312.1997°; P -1.3017,Plg25.5507°,Azm220.5200° $M_0$1.18308×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.74 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.60 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.73 NP1: ϕ_s140.40799°,δ68.25127°,λ94.72690°. NP2:ϕ_s307.82819°,δ22.23211°,λ78.32876°. Principal axes: T 1.1536,Plg66.4266°,Azm58.7860°; N 0.3234,Plg4.3897°,Azm318.6531°; P -1.4770,Plg23.1120°,Azm226.7756° $M_0$1.34481×10^{16}
GCG Event type se. Error ellipse: s-maj=227.2km s-min=18.8km az=-1.0. Presumed earthquake.
ISC X 19 23 11 58.9–1.5 10.16N–.04 84.50W–.04 72–8 75 0-2
UCR X 19 23 11 58.1–1.0 10.20N 84.48W 76–2 3.6W **¶625708138**
CATAC X 19 23 11 59.7–.41 10N–3.0 85W–3.0 49–5 2.6,2.6
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 23 16 00 19.5–.79 10.68N–.02 84.99W–.02 12–5 80 0-2
UCR X 23 16 00 18.7–.54 10.68N 85.01W 4–1 3.6W **¶625708537**
CATAC X 23 16 00 19.3–.29 11N–2.0 85W–2.0 5–1 2.8,2.8
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 21 04 57 55.5–1.1 9.33N–.03 84.48W–.02 10–9 175 0-4
CATAC X 21 04 57 55.4–.27 9N–2.0 84W–2.0 1 4.2,4.2 **¶625708300**
UCR X 21 04 57 55.9–.92 9.33N 84.48W 15–5 4.7W,4.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.3km s-min=2.1km az=46.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-0.45 $M_{r\theta}$0.15 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.30 NP1:ϕ_s136.81758°,δ53.23930°,λ97.79785°. NP2:ϕ_s303.92887°,δ37.46417°,λ79.70589°. Principal axes: T 1.1423,Plg79.8793°,Azm79.9086°; N -0.0030,Plg6.2402°,Azm312.1322°; P -1.1393,Plg7.9361°,Azm221.2588° $M_0$1.14078×10^{15}

UCR Event type se. Error ellipse: s-maj=1.9km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XI 06 18 01 38.5–1.0 8.40N–.03 83.08W–.03 29–8 80 0-3
UCR XI 06 18 01 39.1–.85 8.38N 83.07W 28–2 3.8W **¶626318793**
UPA XI 06 18 01 39.1–.68 8.38N 83.09W 27–2 3.6W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=3.6km s-min=2.2km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=1.9km s-min=3.5km az=-1.0. Presumed earthquake.
ISC XI 03 19 46 44.4–1.2 10.92N–.05 85.13W–.05 200 157 0-5
UCR XI 03 19 46 42.0–.58 11.01N 85.20W 211–6 4.0W **¶626091123**
CATAC XI 03 19 46 44.6–.25 11N–2.0 85W–3.0 195–2 5.2b,4.5
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 06 14 23 19.9–1.2 9.38N–.04 84.61W–.03 17–8 127 0-5
CATAC XI 06 14 23 20.4–.56 9N–3.0 85W–3.0 6–2 3.9,3.9 **¶626091159**
UCR XI 06 14 23 20.8–.62 9.41N 84.61W 15–3 4.2W,3.9
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.4km s-min=3.4km az=39.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.3km s-min=1.3km az=-1.0. Presumed earthquake.
ISC XI 09 20 07 54.3–1.4 10.21N–.04 84.13W–.04 96–7 68 0-3
UCR XI 09 20 07 53.9–.56 10.28N 84.10W 94–2 3.9W **¶626091184**
CATAC XI 09 20 07 54.8–.35 10N–2.0 84W–3.0 80–4 3.1,3.1
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 13 07 19 18.5–1.2 8.26N–.05 83.90W–.03 10 141 1-9
UCR XI 13 07 19 17.6–.46 8.21N 84.00W 14–3 4.5W **¶621822635**
CATAC XI 13 07 19 22.9–.50 8N–3.0 84W–2.0 19–3 3.9,3.6
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 10 23 33 19.9–1.4 9.31N–.04 83.79W–.05 61–8 55 0-2
CATAC XI 10 23 33 19.8–.41 9N–3.0 84W–3.0 52–6 3.3,3.3 **¶626091191**
UCR XI 10 23 33 19.1–.67 9.33N 83.78W 69–2 3.8W,3.3
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.8km s-min=3.7km az=45.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.8km s-min=2.3km az=-1.0. Presumed earthquake.
ISC XI 26 10 28 34.5–.91 8.56N–.04 83.13W–.02 18–5 52 0-3
CATAC XI 26 10 28 34.8–.49 9N–3.0 83W–2.0 4–1 3.1,3.1 **¶626091290**
UCR XI 26 10 28 34.1–.87 8.50N 83.14W 15–3 3.6W,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.9km s-min=3.5km az=3.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.4km s-min=1.4km az=-1.0. Presumed earthquake.
ISC XI 14 14 46 18.8–.80 9.85N–.02 84.02W–.02 10–4 95 0-3
UCR XI 14 14 46 18.4–.79 9.87N 84.01W 7–1 3.7W **¶626091221**
CATAC XI 14 14 46 19.1–.26 10N–2.0 84W–3.0 7–3 3.0,3.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 15 12 46 04.9–.85 9.45N–.02 83.75W–.02 12–6 139 0-5
UCR XI 15 12 46 04.8–.61 9.50N 83.75W 8–1 4.0W **¶626091231**
CATAC XI 15 12 46 05.2–.18 9N–2.0 84W–2.0 4–1 3.9,3.9
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 14 13 08 06.6–1.4 10.92N–.03 85.69W–.04 77–7 107 0-2
UCR XI 14 13 08 06.0–.80 10.91N 85.67W 78–3 4.2W **¶621822704**
CATAC XI 14 13 08 07.4–.33 11N–2.0 86W–2.0 53–3 3.4,3.4
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 02 03 21 49.4–1.5 8.39N–.05 83.50W–.05 17–8 55 0-2
UCR XII 02 03 21 49.9–.72 8.39N 83.50W 16–5 3.6W **¶626326455**
UPA XII 02 03 21 50.3–1.3 8.33N 83.44W 16–7 3.3W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=4.6km s-min=5.1km az=-1.0. Presumed earthquake.
ISC XII 08 11 42 55.8–.99 9.21N–.03 83.78W–.03 33–2 114 0-2
UPA XII 08 11 42 54.0–2.9 9.17N 83.77W 7–9 4.0W **¶626091353**
CATAC XII 08 11 42 54.6–.26 9N–3.0 84W–3.0 29–2 3.4,3.4
UCR XII 08 11 42 54.4–.96 9.17N 83.78W 51–3 3.6W,3.4
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=4.9km s-min=6.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=7.5km s-min=2.9km az=41.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.7km s-min=2.5km az=-1.0. Presumed earthquake.
ISC XII 08 08 15 33.1–1.2 9.73N–.03 84.28W–.03 44–5 165 0-3
CATAC XII 08 08 15 32.2–.22 10N–2.0 84W–2.0 32–2 3.4,3.4 **¶626091350**
UCR XII 08 08 15 32.1–.90 9.75N 84.26W 52–1 3.8W,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.6km s-min=2.8km az=46.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.4km s-min=1.1km az=-1.0. Presumed earthquake.
ISC XII 03 06 59 32.9–1.7 8.20N–.06 83.44W–.03 10–10 97 0-3
CATAC XII 03 06 59 33.8–.79 8N–5.0 83W–3.0 4–3 3.2,3.2 **¶626091334**
UCR XII 03 06 59 34.6–.51 8.20N 83.48W 9–2 3.6W,3.2
UPA XII 03 06 59 35.5–.94 8.24N 83.44W 15–2 3.5W,3.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.5km s-min=5.3km az=30.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.0km s-min=1.4km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=3.4km s-min=2.1km az=-1.0. Presumed earthquake.
ISC XII 05 05 50 40.4–1.2 10.44N–.02 83.35W–.02 8–10 110 0-4
CATAC XII 05 05 50 42.3–.44 10N–1.0 83W–2.0 8–2 3.4,3.4 **¶625157634**
UCR XII 05 05 50 42.4–.75 10.45N 83.37W 6–4 3.6W,3.4
RSNC XII 05 05 50 42.9–1.2 11N–2.0 83W–3.0 18–9 2.8L,3.4
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
ISC XII 15 06 56 54.3–.89 9.54N–.02 83.96W–.02 7–7 111 0-4
CATAC XII 15 06 56 54.3–.19 10N–1.0 84W–1.0 1 3.1,3.1 **¶626091415**
UCR XII 15 06 56 54.0–.95 9.56N 83.94W 6–2 3.7W,3.1
UPA XII 15 06 56 54.3–1.3 9.60N 83.94W 0–4 3.6W,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=3.6km s-min=2.1km az=45.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0. Presumed earthquake.
ISC XII 12 04 29 01.5–.82 8.49N–.03 83.18W–.02 9–5 3.8b 111 0-76
UCR XII 12 04 29 00.2–.78 8.41N 83.22W 8–3 4.4W **¶621650467**
CATAC XII 12 04 29 02.0–.38 8N–3.0 83W–2.0 1 4.0,4.0
UPA XII 12 04 29 02.5–2.6 8.51N 83.17W 10 4.1W,4.0
IDC XII 12 04 29 03.5–6.8 9.10N 83.04W 0 3.5b,3.5
ISC Event type se.

UCR Event type se. Error ellipse: s-maj=2.6km s-min=2.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=6.3km s-min=2.7km az=21.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=3.9km s-min=3.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=205.5km s-min=17.4km az=20.0.
ISC XII 08 09 25 18.7–.79 8.68N–.03 83.05W–.02 13 53 0-2
UPA XII 08 09 25 19.7–1.3 8.61N 83.03W 36–4 3.5W **¶626091351**
CATAC XII 08 09 25 19.8–.37 9N–3.0 83W–2.0 18–3 3.1,3.1
ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 09 15 03 44.3–.77 9.73N–.02 83.93W–.02 10–4 130 0-3
CATAC XII 09 15 03 44.0–.22 10N–2.0 84W–2.0 6–1 3.6,3.6 **¶626091360**
UCR XII 09 15 03 44.1–.93 9.76N 83.92W 6–1 3.6W,3.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=41.1. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0. Presumed earthquake.
ISC XII 20 02 22 33.0–.80 8.68N–.03 83.27W–.02 16–6 82 0-4
CATAC XII 20 02 22 32.6–.24 9N–2.0 83W–2.0 7–1 3.6,3.6 **¶621828470**
UCR XII 20 02 22 32.1–.75 8.63N 83.32W 22–3 3.9W,3.6
UPA XII 20 02 22 32.9–1.3 8.67N 83.24W 8–3 3.5W,3.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.6km s-min=2.8km az=30.7. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.8km s-min=1.9km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0. Presumed earthquake.
ISC XII 15 09 53 32.8–.93 9.53N–.03 83.93W–.03 30–6 98 0-2
UCR XII 15 09 53 32.4–.80 9.55N 83.92W 30–1 3.7W **¶626326468**
UPA XII 15 09 53 32.1–2.2 9.50N 83.93W 10–7 3.5W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=4.9km s-min=4.8km az=-1.0. Presumed earthquake.
ISC XII 20 04 44 19.2–1.2 9.43N–.03 84.33W–.03 35 110 0-3
UCR XII 20 04 44 18.7–.83 9.46N 84.32W 43–2 3.9W **¶626091432**
CATAC XII 20 04 44 18.1–.33 9N–2.0 84W–2.0 26–1 3.5,3.5
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 20 04 22 42.7–1.2 9.90N–.03 84.61W–.03 42–5 115 0-3
CATAC XII 20 04 22 41.8–.24 10N–2.0 85W–2.0 29–1 3.4,3.4 **¶626091431**
UCR XII 20 04 22 42.0–.69 9.91N 84.60W 45–2 3.7W,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.0km s-min=2.2km az=44.6. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.5km s-min=1.1km az=-1.0. Presumed earthquake.
ISC XII 30 02 51 09.1–1.5 8.38N–.05 83.82W–.03 9–10 87 1-3
CATAC XII 30 02 51 11.6–.63 8N–4.0 84W–3.0 3–3 3.8,3.8 **¶626091480**
UCR XII 30 02 51 11.0–.68 8.41N 83.81W 16–5 4.0W,3.8
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.4km s-min=4.2km az=39.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.2km s-min=2.3km az=-1.0. Presumed earthquake.
ISC XII 31 05 33 47.1–1.4 10.22N–.04 84.25W–.03 83–7 116 0-5
CATAC XII 31 05 33 46.7–.38 10N–3.0 84W–3.0 74–4 3.4,3.4 **¶626091495**
UCR XII 31 05 33 46.0–.97 10.28N 84.21W 86–4 3.8W,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.3km s-min=3.3km az=44.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.8km s-min=2.1km az=-1.0. Presumed earthquake.

(79) North of Panama.

ISC IX 05 04 36 52.2–1.3 10.52N–.03 83.00W–.03 10–10 148 1-4
CATAC IX 05 04 36 52.1–.34 11N–1.0 83W–1.0 11–2 4.1,4.1 **¶625706653**
UCR IX 05 04 36 54.4–.79 10.56N 83.11W 23–3 3.8W,4.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=3.0km s-min=2.2km az=30.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=-1.0. Presumed earthquake.

(80) Panama-Costa Rica border region.

ISC VII 09 08 57 28.5–.85 8.47N–.03 82.82W–.02 18–5 49 0-3
UCR VII 09 08 57 28.6–.66 8.46N 82.84W 15–2 3.8W **¶625300142**
UPA VII 09 08 57 30.0–2.0 8.54N 82.77W 18–5 3.7W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=7.5km s-min=3.6km az=-1.0. Presumed earthquake.
ISC VII 15 09 16 46.2–.91 8.80N–.03 82.85W–.02 33–4 131 0-4
UPA VII 15 09 16 46.5–.83 8.89N 82.85W 20–1 3.8W **¶625300194**
CATAC VII 15 09 16 47.2–.41 9N–6.0 83W–3.0 4–2 3.7,3.7
UCR VII 15 09 16 47.0–.86 8.86N 82.85W 22–2 4.0W,3.7
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=5.3km s-min=2.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=13.1km s-min=3.9km az=22.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.9km s-min=1.3km az=-1.0. Presumed earthquake.
ISC VII 23 20 03 13.3–.71 8.41N–.03 82.78W–.02 33–5 4.2b,3.5s 211 0-142
IDC VII 23 20 03 03.4–2.9 7.71N 82.63W 0 4.7L,3.9 **¶620845491**
CATAC VII 23 20 03 11.4–.47 8N–3.0 83W–2.0 14–1 4.8,4.8
NEIC VII 23 20 03 12.1–1.9 8.35N–.03 82.85W–.10 17–6 4.4b,4.8
UCR VII 23 20 03 13.0–.77 8.41N 82.80W 29–2 4.3W,4.8
UPA VII 23 20 03 14.4–3.0 8.49N 82.74W 16–19 4.2W,4.8
ISC Event type se.
IDC Error ellipse: s-maj=147.4km s-min=45.0km az=46.0.
CATAC Event type se. Error ellipse: s-maj=7.9km s-min=3.6km az=21.1. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.20 $M_{\theta\theta}$3.25 $M_{\phi\phi}$-3.46 $M_{r\theta}$0.09 $M_{\theta\phi}$1.71 $M_{\phi r}$-3.87 NP1:ϕ_s294.45578°,δ50.98084°,λ-7.36608°. NP2:ϕ_s29.10878°,δ84.28330°,λ-140.74839°. Principal axes: T 3.9968,Plg22.0086°,Azm155.3087°; N 2.1496,Plg50.4009°,Azm36.0594° ; P -6.1464,Plg31.0386°,Azm259.3865° $M_0$5.40248×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.23 $M_{\theta\theta}$3.25 $M_{\phi\phi}$-3.48 $M_{r\theta}$0.01 $M_{\theta\phi}$1.64 $M_{\phi r}$-3.87 NP1: ϕ_s294.99096°,δ50.09665°,λ-6.42434°. NP2:ϕ_s29.12232°,δ85.07597°,λ-139.91894°. Principal axes: T 4.0071,Plg23.1357°,Azm155.1622°; N 2.1240,Plg49.6683°,Azm34.9464° ; P -6.1311,Plg30.9506°,Azm260.0088° $M_0$5.39250×10^{15}
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=3.4km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=3.2km s-min=2.0km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=7.4km s-min=5.2km az=-1.0. Presumed earthquake.
ISC VII 25 01 07 57.9–1.2 8.30N–.05 82.95W–.04 27–7 38 0-2
UPA VII 25 01 07 58.7–1.5 8.35N 82.91W 16–4 3.1W **¶625300305**
UCR VII 25 01 07 59.2–.49 8.33N 82.94W 12–2 3.5W
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=3.9km s-min=4.6km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=1.4km s-min=2.4km az=-1.0. Presumed earthquake.
ISC VII 26 17 09 38.3–1.9 8.3N–.10 82.88W–.04 18–6 38 0-3
UCR VII 26 17 09 39.2–.43 8.30N 82.91W 8–2 3.5W **¶625300318**
UPA VII 26 17 09 39.8–.81 8.37N 82.87W 12–3 3.5W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=3.7km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VII 25 13 46 15.9–.80 8.55N–.03 82.84W–.02 17–4 81 0-5
UPA VII 25 13 46 14.6–2.5 8.53N 82.82W 13–7 3.9W **¶625300306**
CATAC VII 25 13 46 15.3–.38 9N–3.0 83W–1.0 10–1 4.0,4.0
UCR VII 25 13 46 15.6–.65 8.54N 82.85W 18–2 4.1W,4.0
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=9.0km s-min=4.1km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=6.3km s-min=3.0km az=10.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.5km s-min=1.4km az=-1.0. Presumed earthquake.
UPA VIII 19 11 12 16.9–1.1 8.91N 82.67W 10–12 2.7W
¶625829259
UPA Event type se. Error ellipse: s-maj=5.8km s-min=4.6km az=-1.0. Presumed earthquake.
ISC VII 26 14 28 12.9–2.7 8.1N–.10 82.95W–.03 10–15 44 0-3
UCR VII 26 14 28 17.6–.43 8.30N 82.94W 10–5 3.5W **¶625300316**
UPA VII 26 14 28 18.3–.80 8.34N 82.86W 14–3 3.5W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=3.4km s-min=1.5km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=3.7km s-min=4.0km az=-1.0. Presumed earthquake.
ISC VIII 16 10 06 00.7–.80 8.66N–.03 82.86W–.02 15–5 141 0-8
RSNC VIII 16 10 05 12.5–1.3 8N–13 88W–12 431–11 5.2,5.0b **¶625300519**
UPA VIII 16 10 05 59.6–2.6 8.59N 82.83W 0–8 4.3W,5.0b
CATAC VIII 16 10 06 00.6–.22 9N–2.0 83W–1.0 7–1 5.0b,4.6
UCR VIII 16 10 06 00.3–.61 8.63N 82.86W 18–2 4.7W,4.6
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=6.0km s-min=4.2km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=4.6km s-min=2.2km az=11.1. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.58 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-0.41 $M_{r\theta}$1.20 $M_{\theta\phi}$1.25 $M_{\phi r}$-0.81 NP1:ϕ_s113.22767° ,δ76.83356°,λ62.41305°. NP2:ϕ_s359.67307°,δ30.34373°,λ153.19958°. Principal axes: T 1.4752,Plg50.4713°,Azm352.2641°; N 0.7810,Plg26.8028°,Azm120.0148° ; P -2.2563,Plg26.6908°,Azm224.7283° $M_0$1.98457×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.59 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.43 $M_{r\theta}$1.17 $M_{\theta\phi}$1.24 $M_{\phi r}$-0.76 NP1: ϕ_s112.06448°,δ76.91992°,λ0.48625°. NP2:ϕ_s0.27382°,δ32.04205°,λ154.74997°. Principal axes: T 1.4626,Plg49.4124°,Azm349.6927°; N 0.7448,Plg28.6757°,Azm119.3651° ; P -2.2075,Plg26.0629°,Azm224.8807° $M_0$1.94511×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.59 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.43 $M_{r\theta}$1.20 $M_{\theta\phi}$1.17 $M_{\phi r}$-0.80 NP1: ϕ_s115.10256°,δ76.23351°,λ64.69818°. NP2:ϕ_s358.38288°,δ28.58619°,λ150.17610°. Principal axes: T 1.4728,Plg52.1086°,Azm355.6264°; N 0.7103,Plg24.5262°,Azm121.5211° ; P -2.1831,Plg26.9133°,Azm224.9134° $M_0$1.92867×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.38 $M_{r\theta}$1.33 $M_{\theta\phi}$1.01 $M_{\phi r}$-0.96 NP1: ϕ_s121.00964°,δ77.22430°,λ73.92208°. NP2:ϕ_s353.51243°,δ20.43030°,λ140.69106°. Principal axes: T 1.5823,Plg54.9842°,Azm11.0545°; N 0.6446,Plg15.6695°,Azm124.6565° ; P -2.2269,Plg30.4152°,Azm224.1349° $M_0$1.98471×10^{15}
UCR Event type se. Error ellipse: s-maj=2.0km s-min=1.6km az=-1.0. Presumed earthquake.
Moment Tensor Solution. NP1:ϕ_s82.15000°,δ54.37000°,λ-19.53000°.
ISC IX 11 06 06 07.1–.88 9.35N–.02 82.65W–.02 16–6 191 0-7
RSNC IX 11 06 06 06.3–.20 9N–2.0 83W–2.0 0 4.0b,3.0L **¶621309584**
CATAC IX 11 06 06 07.1–.36 9N–2.0 83W–1.0 11–3 4.2b,4.0
UCR IX 11 06 06 08.1–.76 9.33N 82.69W 11–4 4.0W,4.0
UPA IX 11 06 06 08.0–2.3 9.30N 82.68W 8–4 3.7W,4.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.9km s-min=2.1km az=16.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.3km s-min=2.0km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=2.5km s-min=3.1km az=-1.0. Presumed earthquake.
UPA VIII 25 10 47 57.2–.70 8.37N 82.81W 36–3 3.4W
¶626339041
UPA Event type se. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0. Presumed earthquake.
UPA VIII 31 16 38 18.7–.58 8.95N 82.88W 21–12 2.8W
¶625829501
UPA Event type se. Error ellipse: s-maj=4.3km s-min=2.1km az=-1.0. Presumed earthquake.
ISC IX 05 23 37 49.5–1.2 8.23N–.06 82.79W–.04 24–9 41 0-2
UCR IX 05 23 37 49.3–.71 8.24N 82.82W 22–9 3.5W **¶625706655**
UPA IX 05 23 37 49.6–.87 8.25N 82.78W 19–1 3.1W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=8.9km s-min=5.0km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0. Presumed earthquake.
ISC IX 12 10 35 23.6–.95 8.11N–.04 82.75W–.03 16–6 53 0-2
UCR IX 12 10 35 21.5–.50 7.95N 82.81W 13–43 3.6W **¶625706667**
UPA IX 12 10 35 23.5–1.9 8.13N 82.73W 3–4 3.3W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=22.6km s-min=5.7km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0. Presumed earthquake.
ISC IX 12 18 55 43.1–.91 8.39N–.03 82.84W–.02 31–6 68 0-3
CATAC IX 12 18 55 39.2–.98 8N–5.0 83W–4.0 18–2 3.7,3.7 **¶625706670**
UCR IX 12 18 55 42.2–.80 8.38N 82.84W 34–2 3.8W,3.7
UPA IX 12 18 55 42.8–.88 8.39N 82.83W 29–4 3.8W,3.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.7km s-min=8.4km az=164.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.8km s-min=2.8km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0. Presumed earthquake.
ISC IX 14 06 26 17.2–1.2 8.31N–.04 82.80W–.03 31–7 48 0-2
UPA IX 14 06 26 17.6–.72 8.33N 82.80W 25–2 3.3W **¶625706674**
UCR IX 14 06 26 18.1–.35 8.35N 82.83W 13–5 3.5W
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=3.5km s-min=1.4km az=-1.0. Presumed earthquake.
ISC IX 13 05 54 06.1–1.1 8.15N–.03 82.53W–.02 9–9 148 0-5
CATAC IX 13 05 54 06.9–.87 8N–6.0 83W–3.0 2–3 4.1,4.1 **¶625706673**
UCR IX 13 05 54 07.6–.64 8.20N 82.60W 25–3 4.0W,4.1
UPA IX 13 05 54 08.8–2.2 8.26N 82.61W 19–2 4.0W,4.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=14.6km s-min=4.1km az=18.7. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=2.8km s-min=2.2km az=-1.0. Presumed earthquake.
ISC IX 15 20 42 32.1–.93 8.48N–.03 82.78W–.02 22–5 61 0-4
CATAC IX 15 20 42 31.2–.55 8N–4.0 83W–2.0 8–2 3.7,3.7 **¶625706677**
UCR IX 15 20 42 31.8–.63 8.47N 82.79W 19–3 3.9W,3.7
UPA IX 15 20 42 32.4–1.4 8.50N 82.73W 6–2 3.5W,3.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=8.3km s-min=5.1km az=2.6. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0. Presumed earthquake.
ISC X 04 23 23 35.5–.98 8.48N–.03 82.96W–.04 11–6 32 0-2
UCR X 04 23 23 35.4–.45 8.41N 82.97W 19–99 3.6W **¶625706996**
UPA X 04 23 23 35.9–2.2 8.49N 82.95W 8–4 3.7W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=57.7km s-min=21.8km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=3.6km s-min=5.4km az=-1.0. Presumed earthquake.
ISC IX 24 23 06 06.5–.88 8.90N–.03 82.33W–.02 14–7 73 0-3
UPA IX 24 23 06 06.8–2.3 8.89N 82.35W 3–5 3.6W **¶625706694**
CATAC IX 24 23 06 07.3–.37 9N–6.0 82W–3.0 4–4 3.4,3.4
UCR IX 24 23 06 07.0–.38 8.90N 82.39W 4–2 3.8W,3.4
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=3.5km s-min=2.8km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=14.2km s-min=4.9km az=18.0. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0. Presumed earthquake.
ISC IX 21 19 56 16.5–.93 8.57N–.02 82.68W–.02 21–1 119 0-8
RSNC IX 21 19 56 15.7–.30 9N–2.0 83W–2.0 0 3.9b,3.1L **¶625153317**

CATAC IX 21 19 56 16.6–.36 9N–3.0 83W–2.0 9–1 3.8,3.8
UCR IX 21 19 56 16.6–.58 8.54N 82.71W 20–2 4.0W,3.8
UPA IX 21 19 56 17.0–1.6 8.57N 82.68W 7–2 3.7W,3.8
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.5km s-min=3.8km az=6.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.5km s-min=1.3km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0. Presumed earthquake.
ISC XI 01 17 28 49.9–.88 8.83N–.03 82.96W–.02 29–5 86 0-4
CATAC XI 01 17 28 49.3–.24 9N–4.0 83W–2.0 6–2 3.7,3.7 **¶626091100**
UCR XI 01 17 28 49.6–.76 8.84N 82.92W 27–1 3.9W,3.7
UPA XI 01 17 28 50.2–1.4 8.85N 82.90W 17–2 4.1W,3.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.0km s-min=2.8km az=22.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=2.0km s-min=2.4km az=-1.0. Presumed earthquake.
ISC X 09 07 25 34.7–1.1 9.29N–.03 82.68W–.03 10–9 77 0-7
UPA X 09 07 25 34.8–1.4 9.20N 82.70W 1–2 3.8W **¶625154321**
UCR X 09 07 25 35.1–.64 9.25N 82.69W 6–7 4.2W
RSNC X 09 07 25 38.3–1.0 9N–3.0 83W–2.0 25–8 3.6b,3.4
ISC Event type se.
UPA Event type se. Presumed earthquake.
UCR Event type se. Presumed earthquake.
ISC X 28 16 56 27.3–.95 8.26N–.03 82.74W–.02 14–7 55 0-2
UCR X 28 16 56 24.9–.56 8.08N 82.68W 15–7 3.5W **¶626674352**
UPA X 28 16 56 27.2–1.9 8.29N 82.74W 14–4 3.6W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=10.5km s-min=6.4km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0. Presumed earthquake.
ISC X 18 13 26 12.2–1.1 8.27N–.03 82.81W–.03 20–2 51 0-2
UCR X 18 13 26 12.0–1.1 8.25N 82.83W 21–5 3.7W **¶625708065**
UPA X 18 13 26 12.6–1.4 8.28N 82.82W 20–2 3.8W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=3.3km s-min=3.7km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=3.0km s-min=2.9km az=-1.0. Presumed earthquake.
ISC X 19 17 16 40.1–.95 8.47N–.02 82.94W–.02 19–2 52 0-3
UCR X 19 17 16 40.1–.74 8.47N 82.96W 20–2 3.6W **¶625708136**
UPA X 19 17 16 40.4–.96 8.46N 82.92W 22–2 3.8W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0. Presumed earthquake.
ISC X 19 17 58 59.7–.96 8.49N–.02 82.96W–.02 19–2 74 0-4
UCR X 19 17 58 57.9–.90 8.37N 82.95W 24–9 4.2W **¶625708137**
CATAC X 19 17 58 59.8–.58 8N–5.0 83W–2.0 7–1 4.1,4.1
UPA X 19 17 58 59.8–1.9 8.49N 82.93W 11–3 4.0W,4.1
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=8.4km s-min=5.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=10.3km s-min=3.9km az=165.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=2.7km s-min=2.3km az=-1.0. Presumed earthquake.
ISC XII 01 01 45 10.1–1.1 8.35N–.03 82.53W–.02 19–3 52 0-2
UCR XII 01 01 45 09.8–.66 8.34N 82.53W 18–4 3.5W **¶626326452**
UPA XII 01 01 45 10.7–1.3 8.40N 82.54W 10–3 3.2W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=2.0km s-min=1.8km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0. Presumed earthquake.
ISC XI 08 06 11 55.9–.95 8.39N–.03 82.85W–.03 30–6 68 0-4
CATAC XI 08 06 11 54.4–.78 8N–5.0 83W–3.0 20–2 3.5,3.5 **¶626091165**
UCR XI 08 06 11 55.2–.88 8.39N 82.89W 32–2 3.7W,3.5
UPA XI 08 06 11 55.4–1.3 8.37N 82.85W 32–4 3.8W,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.2km s-min=5.8km az=159.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=2.7km s-min=2.6km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0. Presumed earthquake.
ISC XI 21 08 09 40.9–.94 8.92N–.03 82.89W–.03 18–3 70 0-3
CATAC XI 21 08 09 41.0–.31 9N–8.0 83W–5.0 15–10 3.5,3.5 **¶626091263**
UCR XI 21 08 09 41.2–.72 8.93N 82.87W 22–1 3.7W,3.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=19.2km s-min=6.2km az=148.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0. Presumed earthquake.
ISC XII 01 23 44 54.9–.88 8.45N–.02 82.90W–.02 32–4 153 0-5
UCR XII 01 23 44 53.7–.72 8.38N 82.92W 31–1 4.3W **¶626091328**
CATAC XII 01 23 44 55.9–.58 9N–5.0 83W–2.0 22–2 4.1,4.1
UPA XII 01 23 44 55.1–1.6 8.42N 82.89W 22–3 4.3W,4.1
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=2.4km s-min=1.8km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s115.41000°,δ52.84000°,λ16.01000°.
CATAC Event type se. Error ellipse: s-maj=10.4km s-min=4.4km az=14.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0. Presumed earthquake.
ISC XII 30 07 03 17.0–.87 8.93N–.03 82.79W–.03 32–5 59 0-4
RSNC XII 30 07 03 17.5–.40 9N–3.0 83W–3.0 17–3 2.5L **¶625159241**
CATAC XII 30 07 03 18.2–.34 9N–2.0 83W–2.0 5–1 3.4,3.4
UPA XII 30 07 03 18.2–1.1 8.91N 82.82W 18–1 3.5W,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=46.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0. Presumed earthquake.
ISC XII 11 00 38 40.7–1.1 8.04N–.04 82.91W–.02 18–3 146 0-5
UCR XII 11 00 38 39.9–.84 7.98N 82.92W 13–3 4.3W **¶626091366**
CATAC XII 11 00 38 41.7–.68 8N–5.0 83W–2.0 2–2 5.2b,4.5
UPA XII 11 00 38 41.6–1.3 8.13N 82.89W 12–1 4.3W,4.5
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=3.7km s-min=2.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=10.1km s-min=2.9km az=16.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0. Presumed earthquake.
ISC XII 13 04 13 22.4–.79 8.67N–.02 82.76W–.02 16–4 77 0-3
CATAC XII 13 04 13 22.7–.36 9N–2.0 83W–2.0 5–1 3.4,3.4 **¶626091397**
UCR XII 13 04 13 22.1–.80 8.67N 82.77W 11–2 3.6W,3.4
UPA XII 13 04 13 22.0–1.1 8.67N 82.74W 10–3 3.4W,3.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.1km s-min=3.8km az=155.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XII 16 01 56 35.5–1.3 8.22N–.04 82.84W–.03 35 92 0-4
UCR XII 16 01 56 34.4–1.0 8.19N 82.84W 31–2 3.6W **¶626091418**
UPA XII 16 01 56 34.7–1.0 8.24N 82.86W 34–3 3.5W
CATAC XII 16 01 56 36.6–.46 8N–3.0 83W–2.0 15–1 3.4,3.4
ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 21 16 29 22.2–.93 8.38N–.03 82.83W–.02 32–6 68 0-3
UCR XII 21 16 29 21.8–.86 8.36N 82.84W 30–2 3.6W **¶626326471**
UPA XII 21 16 29 22.3–1.3 8.39N 82.83W 33–3 3.5W
ISC Event type se.

UCR Event type se. Error ellipse: s-maj=2.4km s-min=2.1km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0. Presumed earthquake.
ISC XII 27 04 49 30.6–1.2 8.55N–.03 82.82W–.02 42–5 85 0-4
UCR XII 27 04 49 29.8–.88 8.54N 82.83W 48–4 3.6W **¶626091463**
UPA XII 27 04 49 30.7–.99 8.54N 82.80W 39–2 3.7W
CATAC XII 27 04 49 31.7–.36 9N–3.0 83W–3.0 19–3 3.3,3.3
ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

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UPA VIII 30 16 59 02.7–.89 7.54N 80.73W 8–9 2.6W ¶625829484
UPA Event type se. Error ellipse: s-maj=2.5km s-min=2.2km az=-1.0. Presumed earthquake.
UPA IX 25 07 14 11.9–1.5 7.67N 81.00W 10–3 3.4W ¶626674281
UPA Event type se. Error ellipse: s-maj=4.3km s-min=3.6km az=-1.0. Presumed earthquake.
ISC IX 06 21 50 04.9–4.2 9.38N–.05 78.39W–.03 36–6 134 1-13
CATAC IX 06 21 50 04.6–.89 9N–4.0 78W–1.0 28–8 4.1,4.1 **¶625152443**
RSNC IX 06 21 50 04.3–.20 9N–2.0 78W–1.0 71–8 6.5,6.4
UPA IX 06 21 50 05.6–1.5 9.39N 78.44W 39–5 4.2W,6.4
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.4km s-min=3.1km az=1.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=4.7km s-min=2.3km az=-1.0. Presumed earthquake.
ISC XI 19 22 02 46.0–1.3 7.30N–.04 78.56W–.03 26–9 4.5b,3.7s 169 1-148
IDC XI 19 22 02 42.7–.57 7.47N 78.42W 0 4.1b,4.1 **¶621423315**
RSNC XI 19 22 02 42.2–.20 7N–2.0 79W–2.0 0 5.1b,4.7b
GFZ XI 19 22 02 44.5–.19 7N–3.0 79W–4.0 10 5.0b,4.6b
CATAC XI 19 22 02 47.0–.75 8N–3.0 78W–2.0 12–4 4.8b,4.4
NEIC XI 19 22 02 47.2–1.8 7.21N–.07 78.15W–.08 10–1 4.6b,4.4
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 15 46 55.1–.84 7.26N–.04 80.48W–.02 10 111 0-9
UPA X 12 15 46 59.4–1.3 7.48N 80.58W 2 4.1W **¶625154482**
CATAC X 12 15 47 00.2–.66 7N–2.0 80W–1.0 9–5 4.6b,4.4b
ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 26 11 18 10.6–1.4 7.57N–.04 78.50W–.03 5–11 75 1-8
UPA IX 26 11 18 09.4–1.6 7.45N 78.46W 0–5 4.0W **¶625153603**
CATAC IX 26 11 18 10.2–.81 8N–6.0 79W–4.0 166–10 3.4,3.4
RSNC IX 26 11 18 11.1–.00 8N–2.0 79W–2.0 7–5 5.8b,5.3
ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 17 10 48 29.5–1.2 9.40N–.04 79.31W–.03 75–6 72 0-7
RSNC X 17 10 48 30.4–.30 9N–3.0 79W–2.0 46–7 4.7b,4.2b **¶625154764**
CATAC X 17 10 48 31.1–.90 9N–4.0 79W–7.0 63–6 2.6,2.6
UPA X 17 10 48 31.4–.56 9.30N 79.32W 65–1 3.0W,2.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=15.7km s-min=8.6km az=102.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=1.8km s-min=1.1km az=-1.0. Presumed earthquake.
ISC XI 19 11 48 59.0–.70 7.35N–.04 78.66W–.03 10 3.7b 63 1-146
IDC XI 19 11 48 57.5–1.3 7.01N 78.61W 0 3.6b,3.6 **¶621590289**
RSNC XI 19 11 48 59.8–.00 7N–2.0 79W–2.0 4–4 5.3b,4.7
CATAC XI 19 11 49 00.2–.46 8N–5.0 78W–3.0 1 4.2b,4.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 19 11 54 16.7–2.5 7.37N–.07 78.57W–.05 4–17 42 1-7
CATAC XI 19 11 54 17.7–.51 8N–6.0 78W–4.0 1 3.6,3.6 **¶625156659**
RSNC XI 19 11 54 18.8–.00 7N–3.0 79W–3.0 9–5 4.9b,4.2b
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 23 07 05 30.2–2.0 7.33N–.03 78.62W–.03 1–12 4.9b,4.2s 387 1-154
IDC XI 23 07 05 30.2–.47 7.32N 78.63W 0 4.5b,4.5 **¶621448778**
NEIC XI 23 07 05 32.1–1.4 7.39N–.06 78.51W–.07 10–1 4.9b,4.5
CATAC XI 23 07 05 32.9–.72 8N–3.0 78W–2.0 6–5 5.4b,5.0
GFZ XI 23 07 05 33.2–.12 7N–2.0 79W–3.0 10 5.2b,5.0
RSNC XI 23 07 05 34.3–.50 7N–1.0 79W–1.0 38–11 5.4b,5.1
GCMT XI 23 07 05 35.5–.20 7.42N–.02 78.54W–.01 12 5.0W,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111230705A. Moment Tensor Solution. s47,c52; s111,c162; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.84±.07 $M_{\theta\theta}$-0.07±.06; $M_{\phi\phi}$-2.76±.07; $M_{r\theta}$0.30±.23; $M_{\theta\phi}$1.20±.05; $M_{\theta r}$-1.49±.20; Best double couple: NP1:ϕ_s334.00000°,δ32.00000°,λ81.00000°. NP2:ϕ_s164.00000°,δ58.00000°,λ95.00000°. Principal axes: T 3.2120,Plg76.0000°,Azm90.0000°; N 0.3620,Plg5.0000°,Azm341.0000°; P -3.5690,Plg13.0000°,Azm250.0000° $M_0$3.39000×10^{16}
ISC XI 23 07 07 26.7–.33 7.31N–.05 78.59W–.06 10 4.9b,4.0s 267 3-154
IDC XI 23 07 07 24.8–.49 7.31N 78.60W 0 4.6b,4.6 **¶621448780**
GFZ XI 23 07 07 27.6–.12 7N–2.0 79W–3.0 10 5.4b,5.3
NEIC XI 23 07 07 27.7–1.6 7.39N–.07 78.53W–.07 10–1 4.9b,5.3
GCMT XI 23 07 07 31.8–.30 7.52N–.04 78.55W–.02 12 4.9W,5.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111230707A. Moment Tensor Solution. s16,c18; s96,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.52±.08 $M_{\theta\theta}$0.13±.08; $M_{\phi\phi}$-2.65±.08; $M_{r\theta}$-0.30±.38; $M_{\theta\phi}$0.35±.07; $M_{\theta r}$-0.84±.31; Best double couple: NP1:ϕ_s344.00000°,δ37.00000°,λ75.00000°. NP2:ϕ_s182.00000°,δ54.00000°,λ101.00000°. Principal axes: T 2.7020,Plg78.0000°,Azm130.0000°; N 0.1150,Plg9.0000°,Azm355.0000°; P -2.8130,Plg9.0000°,Azm264.0000° $M_0$2.75800×10^{16}
ISC XII 04 14 50 46.5–1.2 7.28N–.04 78.61W–.03 32–14 38 2-6
RSNC XII 04 14 50 44.2–.00 7N–5.0 79W–5.0 0–6 2.9,2.3L **¶625157572**
UPA XII 04 14 50 44.1–3.1 7.19N 78.59W 10–20 4.1W,2.3L
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=9.7km s-min=8.8km az=-1.0. Presumed earthquake.
ISC XII 14 18 36 24.9–1.5 9.31N–.07 78.01W–.04 23–19 23 0-4
RSNC XII 14 18 36 26.3–.00 9N–5.0 78W–5.0 40 3.5,2.8L **¶625158238**
UPA XII 14 18 36 27.0–.55 9.31N 78.05W 11–16 3.6W,2.8L
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=13.4km s-min=14.3km az=-1.0. Presumed earthquake.
ISC XII 04 13 55 03.3–1.6 7.29N–.03 78.58W–.02 9–11 4.1b 156 2-146
IDC XII 04 13 55 02.4–.81 7.27N 78.54W 0 3.8b,3.8 **¶621630671**
RSNC XII 04 13 55 03.4–.20 7N–2.0 79W–1.0 0 5.5b,4.9
UPA XII 04 13 55 03.2–.89 7.22N 78.60W 5–3 4.4W,4.9
NEIC XII 04 13 55 04.3–2.0 7.21N–.06 78.62W–.05 10–1 4.5b,4.9

CATAC XII 04 13 55 06.6–.74 8N–3.0 78W–2.0 7–5 4.9b,4.4b
ISC Event type se.
UPA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 12 13 35 58.6–1.2 9.75N–.03 80.46W–.03 17–9 73 1-4
RSNC XII 12 13 35 55.4–.30 10N–2.0 80W–3.0 0 2.9L **¶625158141**
CATAC XII 12 13 36 02.5–.99 10N–10 80W–7.0 30–5 3.2,3.2
UCR XII 12 13 36 02.0–.52 9.57N 80.44W 37–418 3.5W,3.2
UPA XII 12 13 36 02.1–1.2 9.67N 80.40W 36–7 3.3W,3.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=23.3km s-min=12.8km az=25.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=22.6km s-min=6.2km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=-1.0. Presumed earthquake.
ISC XII 16 08 28 25.7–1.9 9.47N–.07 78.53W–.03 11–14 26 1-6
RSNC XII 16 08 28 30.1–.90 9N–4.0 78W–6.0 20 4.1b,2.9 **¶625158340**
UPA XII 16 08 28 31.4–1.4 9.30N 78.69W 10–7 2.6W,2.9
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=5.9km s-min=4.0km az=-1.0. Presumed earthquake.

(82) Panama-Colombia border region.

ISC IX 13 21 40 37.4–1.3 8.76N–.05 77.47W–.03 33–6 37 1-6
UPA IX 13 21 40 37.0–.41 8.88N 77.50W 9–50 3.5W **¶625152897**
RSNC IX 13 21 40 38.1–.00 9N–2.0 78W–2.0 46–5 5.3b,4.8
ISC Event type se.
UPA Event type se. Presumed earthquake.
ISC VIII 25 04 44 00.6–1.1 7.04N–.03 77.76W–.02 22–5 148 1-7
RSNC VIII 25 04 44 00.3–.00 7N–3.0 78W–4.0 46–11 4.8b,4.2b **¶625829406**
UPA VIII 25 04 44 01.9–2.3 7.01N 77.72W 43–18 4.3W,4.2b
CATAC VIII 25 04 44 02.1–.84 7N–3.0 78W–2.0 26–7 4.0b,3.9
ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 31 17 02 51.9–1.9 7.33N–.03 77.26W–.03 7–15 46 1-7
CATAC VIII 31 17 02 50.4–.43 6N–5.0 77W–4.0 110 5.7b,5.2 **¶625152145**
RSNC VIII 31 17 02 55.0–.00 7N–2.0 77W–2.0 17–4 4.8b,4.0
ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 17 00 12 19.5–1.7 7.21N–.03 77.19W–.02 17–13 82 1-7
RSNC IX 17 00 12 19.2–.00 7N–4.0 77W–4.0 45–12 4.9b,4.2 **¶625153094**
CATAC IX 17 00 12 20.5–1.2 7N–5.0 77W–3.0 18–9 3.6,3.6
UPA IX 17 00 12 20.2–1.7 7.11N 77.25W 10–11 3.5W,3.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.8km s-min=4.3km az=26.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=7.5km s-min=5.0km az=-1.0. Presumed earthquake.
ISC X 09 11 10 48.8–1.8 7.96N–.03 77.57W–.02 7–13 99 1-7
UPA X 09 11 10 49.4–1.1 7.92N 77.56W 7–3 3.7W **¶625154349**
RSNC X 09 11 10 49.5–.00 8N–5.0 78W–4.0 43–11 5.2,5.0
CATAC X 09 11 10 50.9–.90 8N–3.0 78W–2.0 16–6 5.1,4.8
ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 17 02 55 32.2–3.2 7.23N–.03 77.18W–.03 8–23 44 1-6
RSNC IX 17 02 55 32.2–.00 7N–4.0 77W–4.0 37–12 2.9,2.4L **¶625153099**
CATAC IX 17 02 55 35.0–1.2 7N–4.0 77W–2.0 26–10 5.3b,4.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 18 06 58 07.9–.82 7.11N–.03 77.51W–.03 56–10 4.1b 176 1-147
CATAC XI 18 06 58 05.5–.17 7N–2.0 77W–2.0 1 5.0b,4.8b **¶621532468**
RSNC XI 18 06 58 07.9–.00 7N–3.0 77W–4.0 63–9 5.1b,4.7b
IDC XI 18 06 58 08.5–7.0 7.25N 77.40W 56–73 3.8,3.3b
NEIC XI 18 06 58 09.4–.93 7.17N–.07 77.48W–.07 55–10 4.2b,3.3b
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 02 13 52 41.1–.36 7.36N–.03 77.10W–.03 34–1 4.8b,3.8s 382 1-154
VAO XII 02 13 52 40.8–.44 7.44N 76.84W 31 4.8b,3.8s **¶621609000**
RSNC XII 02 13 52 41.0–.00 7N–4.0 77W–3.0 67–11 5.3b,5.1b
GFZ XII 02 13 52 42.0–.18 7N–2.0 77W–4.0 31–1 6.0,5.9
NEIC XII 02 13 52 42.4–2.1 7.35N–.03 77.05W–.05 35–1 4.9b,4.8
CATAC XII 02 13 52 42.4–.86 7N–3.0 77W–2.0 33–12 5.0b,5.0b
NEIC XII 02 13 52 43.9 7.40N 77.00W 52 5.0b,5.0b
IDC XII 02 13 52 45.2–1.6 7.28N 77.13W 72–15 4.4,4.1b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=7.7km s-min=5.8km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=8.1km s-min=4.2km az=70.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=2.9km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.34 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-0.03 $M_{r\theta}$0.01 $M_{\theta\phi}$-1.70 $M_{\phi r}$0.23 NP1:ϕ_s2.55000°,δ87.60000°,λ8.36000°. NP2:ϕ_s272.20000°,δ81.64000°,λ177.58000°. Principal axes: T 1.5556,Plg8.0000°,Azm228.0000°; N 0.3291,Plg81.0000°,Azm18.0000°; P -1.8847,Plg4.0000°,Azm137.0000° $M_0$1.74000×10^{16}
CATAC Event type se. Error ellipse: s-maj=6.4km s-min=3.0km az=33.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.27 $M_{\theta\theta}$-3.47 $M_{\phi\phi}$0.20 $M_{r\theta}$-2.23 $M_{\theta\phi}$-6.08 $M_{\phi r}$2.06 NP1:ϕ_s271.37620°,δ66.40283°,λ148.72489°. NP2:ϕ_s15.04248°,δ61.59258°,λ27.07164°. Principal axes: T 7.0730,Plg38.2764°,Azm231.7162°; N 0.9392,Plg51.5562°,Azm57.9902°; P -8.0122,Plg3.0576°,Azm324.1319° $M_0$7.58632×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.85 $M_{\theta\theta}$-3.44 $M_{\phi\phi}$-0.41 $M_{r\theta}$-0.53 $M_{\theta\phi}$-6.50 $M_{\phi r}$1.04 NP1:ϕ_s271.37252°,δ65.74439°,λ155.09533°. NP2:ϕ_s12.17093°,δ67.42237°,λ26.41730°. Principal axes: T 5.5292,Plg34.1920°,Azm232.2110°; N 3.0746,Plg55.7857°,Azm49.8694°; P -8.6038,Plg1.0888°,Azm141.4711° $M_0$7.55148×10^{15}
NEIC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=8.5km az=51.0.

(83) South of Panama.

ISC VII 01 23 05 16.3–.48 5.63N–.03 78.05W–.03 10 4.2b,3.2s 135 1-145
CATAC VII 01 23 05 16.0–3.3 6N–3.0 78W–3.0 5–33 4.9b,4.2 **¶620927699**
IDC VII 01 23 05 15.4–.68 5.70N 78.21W 0 4.0,3.9b
RSNC VII 01 23 05 16.2–.40 6N–1.0 78W–1.0 17–3 5.2b,4.5
NEIC VII 01 23 05 17.7–1.2 5.68N–.06 78.25W–.10 10–1 4.4b,4.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 02 03 44 42.2–1.3 4.40N–.07 82.67W–.09 10 37 3-9
RSNC VII 02 03 44 44.1–1.0 4N–4.0 83W–8.0 0 4.8b,4.1 **¶625169375**
UCR VII 02 03 44 45.1–.50 4.53N 82.89W 19–999 3.6W,4.1
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=999.9km s-min=257.6km az=-1.0. Presumed earthquake.
UCR VII 03 22 17 57.8–.62 4.76N 82.74W 20 3.9W
¶625300088
UCR Event type se. Error ellipse: s-maj=52.0km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VII 15 13 34 38.7–.58 4.65N–.05 81.31W–.07 10 3.9b,3.0s 74 4-142
IDC VII 15 13 34 37.6–.90 4.69N 81.52W 0 3.8,3.7b **¶620928644**
NEIC VII 15 13 34 39.9–1.6 4.69N–.08 81.3W–.10 10–1 4.1b,3.7b
RSNC VII 15 13 34 40.0–.40 5N–2.0 81W–3.0 0 7.2,7.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 16 07 37 54.1–2.6 6.16N–.04 82.59W–.04 13–16 4.4b,3.9s 285 2-142
UPA VII 16 07 37 52.5–2.6 6.21N 82.70W 0–20 4.7W,3.9s **¶620831715**
IDC VII 16 07 37 52.1–.77 6.13N 82.69W 0 4.1,3.9b
RSNC VII 16 07 37 53.0–.30 6N–2.0 83W–3.0 0 5.2b,4.8b
GFZ VII 16 07 37 54.6 6.17N 82.55W 13 4.9W,4.8b
NEIC VII 16 07 37 54.3–1.8 6.18N–.07 82.5W–.10 10–1 4.6b,4.8b
GFZ VII 16 07 37 54.6–.33 6N–5.0 83W–5.0 10 4.4b,4.4
CATAC VII 16 07 37 55.8–.53 6N–2.0 83W–2.0 32–7 6.0,5.9
GCMT VII 16 07 37 57.4–.20 6.04N–.01 82.61W–.01 20–0 5.0W,5.9
SNET VII 16 07 39 37.7–.48 13N–7.0 86W–5.0 30–7 4.2,4.0
ISC Event type se.
UPA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.34 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-0.31 $M_{r\theta}$0.80 $M_{\theta\phi}$2.85 $M_{\phi r}$0.18 NP1:ϕ_s92.33990°,δ84.21287°,λ16.31985°. NP2:ϕ_s0.64882°,δ73.76564°,λ173.97166°. Principal axes: T 2.8844,Plg15.6038°,Azm317.5440°; N 0.1943,Plg72.7108°,Azm111.3425°; P -3.0787,Plg7.2607°,Azm225.5049° $M_0$2.98628×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.20 $M_{\theta\theta}$-1.81 $M_{\phi\phi}$3.01 $M_{r\theta}$0.40 $M_{\theta\phi}$0.18 $M_{\phi r}$1.33 NP1:ϕ_s317.72293°,δ53.48383°,λ-165.71173°. NP2:ϕ_s219.10553°,δ78.55946°,λ-37.38099°. Principal axes: T 3.4113,Plg16.2905°,Azm273.2757°; N -1.3466,Plg51.1534°,Azm24.5522°; P -2.0647,Plg34.1263°,Azm171.8522° $M_0$2.97604×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.38 $M_{\theta\theta}$-2.06 $M_{\phi\phi}$3.43 $M_{r\theta}$0.53 $M_{\theta\phi}$0.92 $M_{\phi r}$2.42 NP1:ϕ_s209.05026°,δ71.60671°,λ-64.42302°. NP2:ϕ_s332.44544°,δ31.13790°,λ-142.39552°. Principal axes: T 4.6064,Plg22.4645°,Azm279.7607°; N -2.1453,Plg24.1840°,Azm20.4621°; P -2.4611,Plg55.9296°,Azm152.0699° $M_0$3.99239×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62 $M_{\theta\theta}$-1.50 $M_{\phi\phi}$2.12 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.18 $M_{\phi r}$0.93 NP1:ϕ_s312.26913°,δ58.04059°,λ-172.15492°. NP2:ϕ_s218.09782°,δ83.34990°,λ-32.20186°. Principal axes: T 2.4049,Plg17.0016°,Azm269.3656°; N -0.6461,Plg57.1911°,Azm27.6785°; P -1.7588,Plg27.1403°,Azm170.3481° $M_0$2.15572×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.92 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$2.33 $M_{r\theta}$0.63 $M_{\theta\phi}$-0.12 $M_{\phi r}$1.61 NP1:ϕ_s316.04169°,δ39.81134°,λ-159.35641°. NP2:ϕ_s209.90134°,δ76.95439°,λ-52.04627°. Principal axes: T 2.9959,Plg22.5541°,Azm271.8083°; N -0.8588,Plg36.8092°,Azm19.9160°; P -2.1371,Plg44.6506°,Azm157.5855° $M_0$2.67209×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107160738A. Moment Tensor Solution. s61,c91; s121,c196; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.11±.10 $M_{\theta\theta}$-0.20±.07; $M_{\phi\phi}$0.31±.10; $M_{r\theta}$1.05±.16; $M_{\theta\phi}$4.06±.08; $M_{\phi r}$1.04±.18; Best double couple: NP1:ϕ_s357.00000°,δ77.00000°,λ168.00000°. NP2:ϕ_s89.00000°,δ78.00000°,λ13.00000°. Principal axes: T 4.5880,Plg17.0000°,Azm313.0000°; N -0.5740,Plg73.0000°,Azm130.0000°; P -4.0140,Plg1.0000°,Azm223.0000° $M_0$4.30100×10^{16}
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 17 20 55 38.9–.94 6.88N–.08 82.61W–.08 10 4.3b 50 1-70
UCR VII 17 20 55 38.5–1.1 6.84N 82.68W 10–16 4.0W **¶620833204**
NEIC VII 17 20 55 39.5–1.4 6.88N–.08 82.63W–.09 10–1 4.2b
ISC Event type se.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 17 20 56 09.4–.69 6.77N–.03 82.71W–.03 5–3 5.8b,5.7s 1726 1-172
IDC VII 17 20 56 08.7–.37 6.78N 82.54W 0 5.5s,5.4b **¶625300213**
MOS VII 17 20 56 09.6–1.1 6.88N 82.61W 10 6.1b,5.7s
UCR VII 17 20 56 10.0–.44 6.87N 82.67W 5–20 6.0W,5.7s
NEIC VII 17 20 56 10.1–1.7 6.83N–.05 82.68W–.07 4–2 6.1,6.0b
ISC-P VII 17 20 56 10 6.83N 82.68W 7–0 6.2,6.0b
NEIC VII 17 20 56 10.9 6.87N 82.65W 5 6.2,6.0b
BJI VII 17 20 56 10.6 6.80N 82.60W 13 6.2s,6.1b
UPA VII 17 20 56 10.8–1.2 6.85N 82.75W 10–24 6.3W,6.1b
PTWC VII 17 20 56 10 6.80N 82.80W 10 6.4,6.1b
GFZ VII 17 20 56 11.8 6.90N 82.63W 11 6.1W,6.1b
IPGP VII 17 20 56 11.0 6.88N 82.64W 11 6.2W,6.1b
CATAC VII 17 20 56 12.6–.47 7N–4.0 83W–2.0 10 6.7b,6.7b
GFZ VII 17 20 56 12.5–.15 7N–2.0 83W–2.0 10 6.1,6.0b
NEIC VII 17 20 56 13.3 6.88N 82.64W 20 6.1,6.0b
GCMT VII 17 20 56 15.1–.00 6.72N 82.70W 17–0 6.2W,6.0b
NEIC VII 17 20 56 18.8 6.58N 82.64W 12 6.1,6.0b
BGR VII 17 20 56 37.3 7.71N 82.61W 33–0 6.3,6.0b
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=8.4km az=59.0.
MOS Error ellipse: s-maj=6.4km s-min=4.1km az=94.9.
UCR Event type se. Error ellipse: s-maj=19.8km s-min=15.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.3km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.19 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$0.56 $M_{r\theta}$-0.50 $M_{\theta\phi}$1.39 $M_{\phi r}$-0.05 NP1:ϕ_s171.18000°,δ70.58000°,λ-175.74000°. NP2:ϕ_s79.76000°,δ85.98000°,λ-19.47000°. Principal axes: T 1.6254,Plg11.0000°,Azm127.0000°; N -0.1378,Plg70.0000°,Azm249.0000°; P -1.4875,Plg17.0000°,Azm34.0000° $M_0$1.56000×10^{18}
ISC-P Moment Tensor Solution. s28 Moment tensor: Scale 10^{18}Nm; M_{rr}0.21±.15 $M_{\theta\theta}$0.11±.24; $M_{\phi\phi}$-0.33±.13; $M_{r\theta}$-0.13±.12; $M_{\theta\phi}$-0.11±.15; $M_{\phi r}$0.63±.14; NP1:ϕ_s187.40000°,δ75.50000°,λ163.50000°. NP2:ϕ_s281.70000°,δ74.00000°,λ15.10000°. $M_0$2.57000×10^{18}
NEIC Event type se.
UPA Event type se. Error ellipse: s-maj=15.8km s-min=10.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.19 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$0.11 $M_{r\theta}$0.25 $M_{\theta\phi}$1.57 $M_{\phi r}$0.23 NP1:ϕ_s355.34663°,δ79.39699°,λ170.93836°. NP2:ϕ_s87.02756°,δ81.09435°,λ10.73392°. Principal axes: T 1.5712,Plg13.8615°,Azm311.3373°; N 0.1116,Plg76.0861°,Azm126.2643°; P -1.6827,Plg1.1829°,Azm221.0454° $M_0$1.62983×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s263.00000°,δ86.00000°,λ-10.00000°. NP2:ϕ_s354.00000°,δ80.00000°,λ-176.00000°.
CATAC Event type se. Error ellipse: s-maj=8.8km s-min=4.1km az=9.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.03 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$0.17 $M_{r\theta}$0.82 $M_{\theta\phi}$1.39 $M_{\phi r}$-0.39 NP1:ϕ_s359.60057°,δ62.94386°,λ-170.09506°. NP2:ϕ_s265.05929°,δ81.18822°,λ-27.40622°. Principal axes: T 1.4428,Plg12.3167°,Azm315.0783°; N 0.3870,Plg61.3168°,Azm68.5993°; P -1.8298,Plg25.4649°,Azm219.1099° $M_0$1.67026×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$0.05 $M_{r\theta}$0.45 $M_{\theta\phi}$2.01 $M_{\phi r}$0.15 NP1:ϕ_s356.13898°,δ75.99305°,λ173.30744°. NP2:ϕ_s87.76581°,δ83.50730°,λ14.09923°. Principal axes: T 1.9517,Plg14.5429°,Azm312.6523°; N 0.2670,Plg74.5052°,Azm112.0032°; P -2.2186,Plg5.2321°,Azm221.2911° $M_0$2.09792×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.22 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.06 $M_{r\theta}$0.83 $M_{\theta\phi}$1.33 $M_{\phi r}$-0.47 NP1:ϕ_s2.32075°,δ60.30772°,λ-174.67044°. NP2:ϕ_s269.67504°,δ85.37186°,λ-29.79921°. Principal axes: T 1.2974,Plg17.0499°,Azm319.7477°; N 0.5600,Plg59.8762°,Azm81.6552°; P -1.8574,Plg24.0363°,Azm221.8863° $M_0$1.65029×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.31 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-0.05 $M_{r\theta}$0.37 $M_{\theta\phi}$2.26 $M_{\phi r}$0.82 NP1:ϕ_s356.78185°,δ79.58795°,λ159.59663°. NP2:ϕ_s90.62768°,δ69.94717°,λ11.09225°. Principal axes: T 2.4457,Plg21.7310°,Azm312.2979°; N 0.0038,Plg67.1948°,Azm150.8681°; P -2.4494,Plg6.5843°,Azm44.9348° $M_0$2.44754×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.32 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-0.01 $M_{r\theta}$0.04 $M_{\theta\phi}$1.83 $M_{\phi r}$0.83 NP1:ϕ_s355.76111°,δ83.54829°,λ154.70417°. NP2:ϕ_s88.80095°,δ64.87554°,λ7.12924°. Principal axes: T 1.9440,Plg22.3140°,Azm309.4746°; N 0.1743,Plg63.9470°,Azm162.3870°; P -2.1183,Plg12.7544°,Azm44.8052° $M_0$2.03674×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.28 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.99 $M_{\theta\phi}$1.41 $M_{\phi r}$-0.55 NP1:ϕ_s3.76242°,δ54.79272°,λ-178.28436°. NP2:ϕ_s272.77309°,δ88.59827°,λ-35.21938°. Principal axes: T 1.3966,Plg22.9778°,Azm323.9104°; N 0.6635,Plg54.7563°,Azm90.7884°; P -2.0600,Plg25.1488°,Azm222.4281° $M_0$1.82131×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.11 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$0.24 $M_{r\theta}$0.20 $M_{\theta\phi}$1.74 $M_{\phi r}$0.35 NP1:

ϕ_s354.35337°,δ82.26165°,λ169.09598°. NP2:ϕ_s85.83924°,δ79.19648°,λ7.87886°.
Principal axes: T 1.7999,Plg13.1648°,Azm309.8395°; N 0.0253,Plg76.6563°,Azm139.4013°
; P -1.8251,Plg2.1393°,Azm40.3401° $M_0$1.81264×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.12 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$0.24 $M_{r\theta}$0.28 $M_{\theta\phi}$1.61 $M_{\phi r}$0.33 NP1:
ϕ_s353.74070°,δ79.25405°,λ169.08613°. NP2:ϕ_s85.79973°,δ79.27980°,λ10.93916°.
Principal axes: T 1.6935,Plg15.2704°,Azm309.7727°; N 0.0029,Plg74.7296°,Azm129.7023°
; P -1.6964,Plg0.0179°,Azm219.7679° $M_0$1.69495×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. ID: C202107172056A. Moment Tensor Solution.
s160,c374; s174,c688;Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}0.04±.01
$M_{\theta\theta}$-0.48±.01; $M_{\phi\phi}$0.44±.01; $M_{r\theta}$0.38±.02; $M_{\theta\phi}$2.05±.01; $M_{\phi r}$0.24±.03; Best double couple:
NP1:ϕ_s353.00000°,δ79.00000°,λ175.00000°. NP2:ϕ_s84.00000°,δ85.00000°,λ11.00000°.
Principal axes: T 2.1670,Plg11.0000°,Azm309.0000°; N -0.0380,Plg78.0000°,Azm110.0000°
; P -2.1300,Plg4.0000°,Azm218.0000° $M_0$2.14900×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 5s1.0 Moment tensor: Scale 10^{18}Nm;
M_{rr}0.15 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$0.15 $M_{r\theta}$0.00 $M_{\theta\phi}$1.69 $M_{\phi r}$-0.68 NP1:ϕ_s266.78000°,δ67.98000°
,λ3.55000°. NP2:ϕ_s175.44000°,δ86.71000°,λ157.94000°. Principal axes:
T 1.7957,Plg18.0000°,Azm129.0000°; N 0.0874,Plg68.0000°,Azm347.0000°
; P -1.8831,Plg13.0000°,Azm223.0000° $M_0$1.84000×10^{18}

BGR Event type ke.

ISC	**VII**	**18 01 21 34.8–3.6**	**6.98N–.08**	**82.67W–.05**	**11–23**	**4.2b**	**107**	**1-73**
UPA	VII	18 01 21 36.5–1.4	6.94N	82.68W	29–15	4.0W		¶620833220
CATAC	VII	18 01 21 37.8–1.2	7N–7.0	83W–3.0	28–16	3.8,3.7b		
UCR	VII	18 01 21 37.2–1.3	7.05N	82.69W	19–9	3.8W,3.7b		
NEIC	VII	18 01 21 38.3–1.4	7.18N–.09	82.68W–.04	10–2	4.2b,3.7b		

ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**18 19 59 28.9–2.9**	**7.04N–.09**	**82.72W–.04**	**3–14**		**88**	**1-5**
UCR	VII	18 19 59 30.5–.37	6.98N	82.67W	10–14	3.8W		¶625300226
UPA	VII	18 19 59 31.5–1.3	7.03N	82.64W	10	4.2W		
CATAC	VII	18 19 59 34.3–.76	7N–8.0	83W–3.0	17–9	4.2,4.2		

ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VII**	**19 02 36 06.0–2.8**	**6.9N–.10**	**82.13W–.10**	**10**		**31**	**1-3**
UCR	VII	19 02 36 04.2–1.0	6.87N	82.11W	0–10	3.8W		¶625300239
UPA	VII	19 02 36 26.0–1.8	7.55N	82.20W	10	3.0W		

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=18.2km s-min=6.9km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=19.1km s-min=18.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**19 17 08 48.9–2.8**	**7.03N–.05**	**82.62W–.05**	**17–18**	**4.6b**	**160**	**1-73**
IDC	VII	19 17 08 46.4–1.5	7.15N	82.31W	0	4.7L,3.9		¶620833954
UCR	VII	19 17 08 47.2–1.1	6.97N	82.75W	14–17	5.0W,3.9		
UPA	VII	19 17 08 48.1–1.8	7.03N	82.73W	10	4.6W,3.9		
NEIC	VII	19 17 08 49.7–1.7	7.12N–.07	82.72W–.09	10–2	4.6b,3.9		
CATAC	VII	19 17 08 49.8	7N–6.0	83W–6.0	30	5.3,4.4b		
SNET	VII	19 17 10 24.3–.38	13N–5.0	87W–3.0	10	4.2,3.9		

ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**VII**	**21 22 25 59.9–.34**	**7.37N–.04**	**82.73W–.03**	**21–3**	**4.8b**	**582**	**1-154**
IDC	VII	21 22 25 57.7–.54	7.51N	82.49W	0	4.4b,4.4		¶620844216
NEIC	VII	21 22 25 58.9–1.2	7.40N–.05	82.78W–.06	10–1	4.9b,4.4		
CATAC	VII	21 22 25 59.9–.25	7N–2.0	83W–1.0	10	6.6b,6.4		
UPA	VII	21 22 25 59.4–2.2	7.32N	82.82W	21–26	4.9W,6.4		
UCR	VII	21 22 25 59.6–1.4	7.44N	82.78W	4–18	4.9W,6.4		
GFZ	VII	21 22 26 00.1–.22	7N–2.0	83W–4.0	10	5.0b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor:
Scale 10^{17}Nm; M_{rr}0.42 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-1.06 $M_{r\theta}$-0.64 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.03 NP1:ϕ_s327.16372°
,δ60.08040°,λ28.31399°. NP2:ϕ_s222.12227°,δ65.72661°,λ146.82788°. Principal axes:
T 1.1846,Plg40.0442°,Azm182.7583°; N -0.1117,Plg49.7323°,Azm9.9573°
; P -1.0729,Plg3.5551°,Azm275.7513° $M_0$1.13292×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.31 $M_{\theta\theta}$0.67 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.90 $M_{\theta\phi}$-0.02 $M_{\phi r}$-0.03 NP1:
ϕ_s323.56236°,δ61.14668°,λ28.34062°. NP2:ϕ_s218.97322°,δ65.43152°,λ147.95349°.
Principal axes: T 1.4057,Plg39.4370°,Azm179.8729°; N -0.4211,Plg50.4328°,Azm5.3816°
; P -0.9846,Plg2.7069°,Azm272.1015° $M_0$1.24951×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.42 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-1.06 $M_{r\theta}$-0.64 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.03 NP1:
ϕ_s327.16962°,δ60.07810°,λ28.31724°. NP2:ϕ_s222.12521°,δ65.72449°,λ146.82464°.
Principal axes: T 1.1845,Plg40.0479°,Azm182.7624°; N -0.1115,Plg49.7286°,Azm9.9613°
; P -1.0730,Plg3.5551°,Azm275.7558° $M_0$1.13285×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.30 $M_{\theta\theta}$0.66 $M_{\phi\phi}$-0.97 $M_{r\theta}$-0.91 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.02 NP1:
ϕ_s323.92419°,δ61.17459°,λ28.32570°. NP2:ϕ_s219.35610°,δ65.43714°,λ147.98680°.
Principal axes: T 1.4102,Plg39.4099°,Azm180.2540°; N -0.4426,Plg50.4612°,Azm5.7360°
; P -0.9676,Plg2.6932°,Azm272.4692° $M_0$1.24915×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.94 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$1.54 $M_{r\theta}$-0.49 $M_{\theta\phi}$2.19 $M_{\phi r}$1.92 NP1:
ϕ_s173.16520°,δ78.46073°,λ-137.57541°. NP2:ϕ_s72.80488°,δ48.62506°,λ-15.46068°.
Principal axes: T 3.3859,Plg19.0223°,Azm296.6772°; N -0.2961,Plg46.3231°,Azm185.5115°
; P -3.0898,Plg37.5053°,Azm42.0203° $M_0$3.24797×10^{16}

UPA Event type se. Presumed earthquake.
UCR Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VII**	**19 18 22 00.2–2.7**	**7.11N–.07**	**82.65W–.07**	**8–16**	**4.4b**	**56**	**1-74**
UPA	VII	19 18 22 00.3–.68	7.03N	82.72W	10	4.4W		¶622450713
NEIC	VII	19 18 22 01.5–2.3	7.09N–.06	82.79W–.09	10–2	4.4b		
UCR	VII	19 18 22 02.9–1.1	7.14N	82.58W	23–10	4.1W		

ISC Event type se.
UPA Event type se. Error ellipse: s-maj=3.9km s-min=6.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.3km az=255.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=9.5km s-min=6.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**21 00 11 21.2–1.3**	**5.18N–.08**	**82.74W–.09**	**12**		**91**	**3-10**
UCR	VII	21 00 11 24.2–1.3	5.25N	82.56W	35–999	3.7W		¶625170528
UPA	VII	21 00 12 05.8–3.1	8.34N	82.51W	33–22	3.7W		

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=20.0km s-min=19.9km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=105.5km s-min=51.7km az=-1.0. Presumed earthquake.

ISC	**VII**	**21 22 52 22.2–3.0**	**7.5N–.20**	**82.75W–.07**	**10**		**28**	**1-3**
UCR	VII	21 22 52 23.9–1.5	7.51N	82.75W	19–10	3.9W		¶625300279
UPA	VII	21 22 52 23.5–1.6	8.94N	83.34W	149–13	3.8W		

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=10.3km s-min=7.0km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=24.9km s-min=18.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**21 23 21 06.2–3.1**	**7.5N–.10**	**82.81W–.08**	**4–14**		**24**	**1-3**
UPA	VII	21 23 21 07.8–.66	7.58N	82.85W	10–26	3.4W		¶625300282
UCR	VII	21 23 21 08.5–1.4	7.56N	82.80W	21–8	3.7W		

ISC Event type se.
UPA Event type se. Error ellipse: s-maj=19.0km s-min=7.9km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=8.2km s-min=8.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**22 01 09 54.1–2.4**	**7.10N–.10**	**82.69W–.06**	**27–16**		**54**	**1-4**
UCR	VII	22 01 09 54.6–1.3	7.14N	82.69W	22–8	4.2W		¶625300286
UPA	VII	22 01 09 55.5–2.2	7.13N	82.68W	28–62	3.9W		

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=19.1km s-min=18.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**22 02 05 34.6–3.2**	**7.5N–.10**	**82.84W–.08**	**2–13**		**25**	**1-3**
CATAC	VII	22 02 05 36.4–1.3	8N–7.0	83W–8.0	11–7	3.7,3.7		¶625300288
UCR	VII	22 02 05 36.2–1.4	7.49N	82.84W	6–26	3.9W,3.7		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=17.6km s-min=15.5km az=93.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=19.8km s-min=12.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**21 21 15 12.7–.46**	**7.19N–.02**	**82.73W–.02**	**9–2**	**6.6s,5.9b**	**1541**	**1-172**
UCR	VII	21 21 15 06.5–.29	6.93N	82.76W	5–9	6.7W,5.9b		¶620844210
UPA	VII	21 21 15 09.2–1.4	6.96N	82.73W	10–32	6.0W,5.9b		
IDC	VII	21 21 15 12.0–.43	7.51N	82.48W	0	6.3s,4.7b		
NEIC	VII	21 21 15 12.3–1.2	7.39N–.06	82.78W–.08	10–1	6.7,6.5		
NEIC	VII	21 21 15 12.9	7.42N	82.79W	10	6.7,6.5		
ISC-P	VII	21 21 15 12	7.39N	82.78W	26–0	6.6,6.5		
CATAC	VII	21 21 15 13.4–.09	7.3N–.80	82.7W–.70	10	6.8,6.7b		
NEIC	VII	21 21 15 13.6	7.48N	82.84W	10	6.8,6.7b		
MOS	VII	21 21 15 13.0–2.9	7.37N	83.21W	10	6.6s,6.2b		
IPGP	VII	21 21 15 15.0	7.59N	82.88W	24	6.8W,6.2b		
BJI	VII	21 21 15 15.3	7.40N	82.70W	10	7.2s,7.0		
PTWC	VII	21 21 15 15	7.40N	82.50W		7.1,7.0		
GFZ	VII	21 21 15 15.4	7.35N	82.82W	20	6.7W,7.0		
GFZ	VII	21 21 15 17.3–.09	7N–1.0	83W–2.0	10	6.5b,6.3		
GCMT	VII	21 21 15 25.7–.00	7.39N	82.83W	18–0	6.7W,6.3		
NEIC	VII	21 21 15 33.9	7.38N	82.64W	24	6.7,6.3		
SNET	VII	21 21 16 57.7–2.4	13N–13	88W–14	10	5.2,4.9		

ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-0.07 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$0.34 $M_{r\theta}$-0.11
$M_{\theta\phi}$1.17 $M_{\phi r}$-0.07 NP1:ϕ_s262.78000°,δ87.85000°,λ5.55000°. NP2:ϕ_s172.57000°,δ84.46000°
,λ177.84000°. Principal axes: T 1.2571,Plg5.0000°,Azm128.0000°; N -0.0812,Plg84.0000°
,Azm284.0000°; P -1.1760,Plg2.0000°,Azm38.0000° $M_0$1.22000×10^{19}

NEIC Event type se.
ISC-P Moment Tensor Solution. s27 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.17±.11 $M_{\theta\theta}$0.10±.19;
$M_{\phi\phi}$0.07±.12; $M_{r\theta}$-0.13±.14; $M_{\theta\phi}$0.06±.14; $M_{\phi r}$0.68±.11; NP1:ϕ_s89.50000°,δ80.90000°
,λ346.20000°. NP2:ϕ_s181.70000°,δ76.40000°,λ-170.70000°. $M_0$1.14000×10^{19}
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor:
Scale 10^{19}Nm; M_{rr}-0.17 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$0.39 $M_{r\theta}$-0.50 $M_{\theta\phi}$1.07 $M_{\phi r}$-0.01 NP1:ϕ_s173.27226°
,δ64.94461°,λ-173.03857°. NP2:ϕ_s80.31218°,δ83.69644°,λ-25.21843°. Principal axes:
T 1.2651,Plg12.8158°,Azm129.3124°; N -0.0817,Plg64.0558°,Azm247.1890°
; P -1.1834,Plg22.1537°,Azm33.9980° $M_0$1.22628×10^{19} Moment Tensor Solution.
Moment tensor: Scale 10^{19}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$0.33 $M_{r\theta}$-0.05 $M_{\theta\phi}$1.01 $M_{\phi r}$-0.10 NP1:
ϕ_s172.14287°,δ87.33826°,λ175.55193°. NP2:ϕ_s262.34986°,δ85.55673°,λ2.66977°.
Principal axes: T 1.1115,Plg5.0266°,Azm127.1909°; N -0.1131,Plg84.8177°,Azm321.3063°
; P -0.9984,Plg1.2574°,Azm217.3015° $M_0$1.05948×10^{19} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}-1.09 $M_{\theta\theta}$-1.52 $M_{\phi\phi}$2.62 $M_{r\theta}$-3.77 $M_{\theta\phi}$7.20 $M_{\phi r}$2.98 NP1:
ϕ_s175.82559°,δ70.38160°,λ-157.75527°. NP2:ϕ_s78.00638°,δ69.10921°,λ-21.06206°.
Principal axes: T 8.0411,Plg0.8441°,Azm306.7112°; N 1.6024,Plg60.6738°,Azm215.2084°
; P -9.6434,Plg29.3116°,Azm37.1852° $M_0$8.95050×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{19}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$0.33 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.98 $M_{\phi r}$0.12 NP1:
ϕ_s172.08699°,δ89.52931°,λ-173.04512°. NP2:ϕ_s82.02958°,δ83.04535°,λ-0.47418°.
Principal axes: T 1.0701,Plg4.5777°,Azm306.8479°; N -0.0965,Plg83.0293°,Azm175.9397°
; P -0.9736,Plg5.2458°,Azm37.2691° $M_0$1.02529×10^{19} Moment Tensor Solution.
Moment tensor: Scale 10^{19}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$0.33 $M_{r\theta}$-1.39 $M_{\theta\phi}$0.78 $M_{\phi r}$-0.50 NP1:
ϕ_s166.81119°,δ29.11203°,λ-177.05332°. NP2:ϕ_s74.23622°,δ88.56687°,λ-60.92018°.
Principal axes: T 1.7910,Plg36.8766°,Azm138.7922°; N -0.1983,Plg29.0698°,Azm253.4393°
; P -1.5927,Plg39.4543°,Azm10.6658° $M_0$1.70053×10^{19}

NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s82.00000°,δ88.00000°,λ-13.00000°. NP2:ϕ_s173.00000°
,δ77.00000°,λ-178.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{19}Nm; M_{rr}-0.01 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$0.35 $M_{r\theta}$0.10 $M_{\theta\phi}$1.34 $M_{\phi r}$0.22 NP1:
ϕ_s352.45800°,δ85.00718°,λ171.70796°. NP2:ϕ_s83.18470°,δ81.73964°,λ5.04529°.
Principal axes: T 1.4295,Plg9.3887°,Azm307.6291°; N -0.0439,Plg80.3299°,Azm141.6142°
; P -1.3856,Plg2.2954°,Azm38.0088° $M_0$1.40809×10^{19}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. ID: C202107212115A. Moment Tensor Solution.
s169,c435; s171,c831;Duration: 5s6 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.02±.00
$M_{\theta\theta}$-0.40±.00; $M_{\phi\phi}$0.42±.01; $M_{r\theta}$-0.03±.01; $M_{\theta\phi}$1.42±.00; $M_{\phi r}$-0.02±.01; Best double couple:
NP1:ϕ_s172.00000°,δ89.00000°,λ179.00000°. NP2:ϕ_s262.00000°,δ89.00000°,λ1.00000°.
Principal axes: T 1.4900,Plg1.0000°,Azm127.0000°; N -0.0240,Plg89.0000°,Azm291.0000°
; P -1.4660,Plg0.0000°,Azm37.0000° $M_0$1.47800×10^{19}

NEIC Event type se. Moment Tensor Solution.Duration: 12s6 Moment tensor: Scale 10^{19}Nm;
M_{rr}-0.10 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$0.51 $M_{r\theta}$-0.29 $M_{\theta\phi}$1.46 $M_{\phi r}$0.11 NP1:ϕ_s171.90000°,δ79.61000°
,λ-173.53000°. NP2:ϕ_s80.72000°,δ83.64000°,λ-10.45000°. Principal axes:
T 1.5868,Plg3.0000°,Azm127.0000°; N -0.0431,Plg78.0000°,Azm230.0000°
; P -1.5437,Plg12.0000°,Azm36.0000° $M_0$1.57000×10^{19}

SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**VII**	**22 02 51 05.9–2.3**	**7.34N–.06**	**82.84W–.04**	**15–12**	**4.6b**	**128**	**1-130**
NEIC	VII	22 02 51 05.6–1.1	7.21N–.08	82.96W–.02	10–2	4.6b		¶620967793
UCR	VII	22 02 51 07.5–1.5	7.43N	82.81W	12–15	4.0W		
UPA	VII	22 02 51 08.9–1.4	7.44N	82.82W	41–8	4.2W		
CATAC	VII	22 02 51 09.8–.80	8N–5.0	83W–3.0	17–7	6.2b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VII**	**22 07 44 05.5–2.9**	**7.5N–.10**	**82.78W–.05**	**24–15**		**55**	**1-3**
UCR	VII	22 07 44 04.9–.71	7.51N	82.79W	18–7	4.1W		¶625300293
UPA	VII	22 07 44 04.7–1.4	7.55N	82.84W	10–59	3.8W		

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=5.3km s-min=4.8km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=46.2km s-min=12.6km az=-1.0. Presumed earthquake.

UCR	**VII**	**21 21 19 52.4–.33**	**6.99N**	**82.73W**	**15**	**4.2W**		**¶625300265**

UCR Event type se. Error ellipse: s-maj=40.2km s-min=4.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**21 21 34 37.8–2.3**	**7.76N–.06**	**82.79W–.06**	**12–14**	**4.4b**	**95**	**1-154**
IDC	VII	21 21 34 35.9–.73	7.85N	82.40W	0	4.7L,4.0		¶620961684
NEIC	VII	21 21 34 38.9–1.6	7.77N–.04	82.81W–.05	10–1	4.6b,4.0		
UCR	VII	21 21 34 38.3–1.2	7.68N	82.81W	13–25	4.3W,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=15.1km az=58.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.9km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=10.0km s-min=7.8km az=-1.0. Presumed earthquake.

ISC	**VII**	**21 21 57 51.0–1.8**	**7.45N–.08**	**82.75W–.08**	**10**		**25**	**1-9**
UPA	VII	21 21 57 52.9–.43	8.92N	81.52W	1	4.3W		¶625170529
RSNC	VII	21 21 57 53.2–.50	8N–3.0	83W–3.0	40–15	6.1b,5.8		

ISC Event type se.
UPA Event type se. Presumed earthquake.

ISC	**VII**	**22 00 33 23.0–2.8**	**7.7N–.10**	**82.86W–.05**	**5–13**		**47**	**1-3**
UCR	VII	22 00 33 20.6–1.1	7.43N	82.86W	10	3.9W		¶625300285
UPA	VII	22 00 33 22.1–.91	7.48N	82.85W	21–14	3.6W		
CATAC	VII	22 00 33 24.3–1.2	8N–6.0	83W–7.0	7–4	3.9,3.9		

ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VII**	**22 13 25 50.1–2.5**	**7.15N–.09**	**82.64W–.07**	**15–12**		**43**	**1-3**	
UPA	VII	22 13 25 51.9–2.3	7.10N	82.67W	42–86	4.4W			**¶625300294**
UCR	VII	22 13 25 51.6–1.4	7.21N	82.66W	15–9	4.3W			

ISC Event type se.
UPA Event type se. Error ellipse: s-maj=24.7km s-min=21.1km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=8.4km s-min=8.4km az=-1.0. Presumed earthquake.

RSNC	**VII**	**25 10 48 38.6–.50**	**4N–1.0**	**79W–2.0**	**30–7**	**5.2,5.1b**			**¶626240732**
ISC	**VII**	**22 12 12 43.4–.61**	**3.52N–.05**	**82.97W–.07**	**24**	**3.8b,3.5s**	**89**	**4-145**	
IDC	VII	22 12 12 40.8–.96	3.55N	82.94W	0	3.8,3.6L			**¶620967827**
NEIC	VII	22 12 12 41.3–1.7	3.57N–.05	83.12W–.06	10–2	4.5b,3.6L			
RSNC	VII	22 12 12 41.2–.40	3N–2.0	83W–2.0	0	5.3b,4.7			
UCR	VII	22 12 12 43.2–.74	3.73N	82.98W	20–928	3.8W,4.7			

ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=13.4km az=55.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=3.9km az=314.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=817.9km s-min=26.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**22 12 51 45.2–.30**	**7.53N–.03**	**82.76W–.04**	**14**	**5.0b,4.4s**	**486**	**1-154**	
IDC	VII	22 12 51 42.9–.42	7.50N	82.60W	0	4.6b,4.6			**¶620845119**
UCR	VII	22 12 51 43.0–1.2	7.42N	82.79W	19–8	5.4W,4.6			
GFZ	VII	22 12 51 45.6	7.49N	82.76W	10	5.1W,4.6			
NEIC	VII	22 12 51 45.6	7.53N	82.82W	10	5.1W,4.6			
NEIC	VII	22 12 51 45.6–1.6	7.53N–.05	82.83W–.07	10–1	5.0b,4.6			
GFZ	VII	22 12 51 46.0–.19	7N–2.0	83W–4.0	10	5.2b,5.1			
GCMT	VII	22 12 51 48.4–.10	7.46N–.01	82.86W–.01	20–0	5.2W,5.1			
CATAC	VII	22 12 51 48.4–1.2	8N–6.0	83W–5.0	3–7	5.2,4.7			
NEIC	VII	22 12 51 52.5	7.53N	82.82W	12	5.1,4.7			

ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=8.2km az=56.0.
UCR Event type se. Error ellipse: s-maj=9.1km s-min=4.9km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.18 $M_{\theta\theta}$-1.42 $M_{\phi\phi}$0.24 $M_{r\theta}$0.12 $M_{\theta\phi}$4.67 $M_{\phi r}$0.53 NP1: ϕ_s354.57775°,δ85.18628°,λ171.98267°. NP2:ϕ_s85.25493°,δ82.01113°,λ4.86100°. Principal axes: T 4.2294,Plg9.0683°,Azm309.7361°; N 1.1171,Plg80.6567°,Azm143.7917° ; P -5.3466,Plg2.2315°,Azm40.0924° M_o4.88476×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.7km az=244.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107221251A. Moment Tensor Solution. s89,c141; s140,c258;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.40±.11 $M_{\theta\theta}$-1.60±.09; $M_{\phi\phi}$1.21±.11; $M_{r\theta}$-1.27±.19; $M_{\theta\phi}$6.66±.10; $M_{\phi r}$-0.17±.19; Best double couple: NP1: ϕ_s174.00000°,δ79.00000°,λ179.00000°. NP2:ϕ_s264.00000°,δ89.00000°,λ11.00000°. Principal axes: T 6.7500,Plg8.0000°,Azm130.0000°; N 0.3630,Plg79.0000°,Azm270.0000° ; P -7.1050,Plg7.0000°,Azm39.0000° M_o6.92800×10^{16}
CATAC Event type se. Error ellipse: s-maj=14.7km s-min=7.9km az=35.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}0.53 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$0.42 $M_{r\theta}$-1.71 $M_{\theta\phi}$4.76 $M_{\phi r}$0.08 NP1:ϕ_s175.98000°,δ70.38000° ,λ178.97000°. NP2:ϕ_s266.32000°,δ89.03000°,λ19.62000°. Principal axes: T 4.8148,Plg14.0000°,Azm133.0000°; N 0.5743,Plg70.0000°,Azm269.0000° ; P -5.3891,Plg13.0000°,Azm39.0000° M_o5.13000×10^{16}

ISC	**VII**	**22 04 51 40.6–2.0**	**7.38N–.07**	**82.77W–.04**	**14–10**		**93**	**1-5**	
UPA	VII	22 04 51 41.6–.95	7.33N	82.84W	27–37	3.5W			**¶625300291**
UCR	VII	22 04 51 42.7–1.2	7.41N	82.74W	28–5	4.0W			
CATAC	VII	22 04 51 43.0–.89	7N–6.0	83W–3.0	17–8	4.0,4.0			

ISC Event type se.
UPA Event type se. Presumed earthquake.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VII**	**22 21 08 02.4–3.4**	**7.31N–.09**	**82.68W–.07**	**17–27**		**32**	**1-4**	
UPA	VII	22 21 08 05.6–2.0	7.37N	82.77W	33–24	3.6W			**¶625300295**
UCR	VII	22 21 08 11.2–1.1	7.91N	83.12W	0–138	3.6W			

ISC Event type se.
UPA Event type se. Error ellipse: s-maj=9.8km s-min=12.5km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=63.4km s-min=16.4km az=-1.0. Presumed earthquake.

ISC	**VII**	**27 03 10 25.4–3.7**	**7.4N–.10**	**82.75W–.06**	**12–28**		**48**	**1-4**	
UCR	VII	27 03 10 26.8–1.6	7.45N	82.76W	6–19	3.7W			**¶625300325**
UPA	VII	27 03 10 26.6–1.6	7.40N	82.85W	15–117	3.7W			

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=6.8km s-min=5.2km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=86.0km s-min=39.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**26 03 47 47.0–1.7**	**7.39N–.06**	**82.83W–.05**	**5–11**		**80**	**1-7**	
UCR	VII	26 03 47 45.4–.97	7.31N	82.78W	0–58	4.1W			**¶620967985**
CATAC	VII	26 03 47 46.4–1.5	7N–8.0	83W–5.0	2–9	5.3,5.3			
RSNC	VII	26 03 47 47.7–.50	7N–4.0	83W–3.0	10	5.2b,4.6			
UPA	VII	26 03 47 47.0–1.2	7.27N	82.96W	29–52	4.6W,4.6			

ISC Event type se.
UCR Event type se. Error ellipse: s-maj=11.7km s-min=5.2km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=17.7km s-min=10.5km az=17.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=8.9km s-min=19.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**26 03 48 11.7–1.6**	**7.44N–.06**	**82.59W–.05**	**30–10**	**4.5b**	**153**	**1-142**	
IDC	VII	26 03 48 08.2–1.3	7.50N	82.55W	0	4.2,4.1b			**¶625300310**
NEIC	VII	26 03 48 10.1–2.4	7.44N–.05	82.74W–.07	10–1	4.6b,4.1b			
UCR	VII	26 03 48 11.0–1.1	7.45N	82.78W	16–6	4.9W,4.1b			
GCMT	VII	26 03 48 13.4–.40	7.27N–.02	82.79W–.03	26–2	4.7W,4.1b			
UPA	VII	26 03 48 28.1–1.1	8.03N	82.63W	33–49	5.0W,4.1b			
RSNC	VII	26 03 49 05.6–.00	5N–10	77W–10	155–8	3.8b,2.4			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107260348A. Moment Tensor Solution. s8,c8; s62,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.40±.14 $M_{\theta\theta}$-0.69±.09; $M_{\phi\phi}$0.28±.11; $M_{r\theta}$-0.30±.17; $M_{\theta\phi}$1.46±.07; $M_{\phi r}$-0.21±.20; Best double couple: NP1:ϕ_s169.00000°,δ75.00000° ,λ169.00000°. NP2:ϕ_s262.00000°,δ80.00000°,λ16.00000°. Principal axes: T 1.4570,Plg18.0000°,Azm127.0000°; N 0.2870,Plg71.0000°,Azm295.0000° ; P -1.7440,Plg3.0000°,Azm35.0000° M_o1.60100×10^{16}
UPA Event type se. Presumed earthquake.

ISC	**VIII**	**02 18 16 11.9–3.3**	**7.1N–.10**	**82.65W–.07**	**9–17**		**19**	**2-4**	
UPA	VIII	02 18 16 14.1–1.1	7.20N	82.79W	0–25	3.5W			**¶625300388**
UCR	VIII	02 18 16 16.2–1.1	7.00N	83.57W	0–196	4.1W			

ISC Event type se.
UPA Event type se. Error ellipse: s-maj=30.7km s-min=18.5km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=386.9km s-min=93.9km az=-1.0. Presumed earthquake.

ISC	**VIII**	**01 01 50 56.7–1.3**	**4.54N–.03**	**78.53W–.04**	**16–7**	**4.9b,3.7s**	**417**	**2-157**	
RSNC	VIII	01 01 50 53.4–.20	5N–2.0	79W–3.0	0	5.2b,5.1b			**¶620925408**
NEIC	VIII	01 01 50 57.0–2.4	4.48N–.06	78.48W–.07	10–1	5.0b,4.9			
VAO	VIII	01 01 50 56.6–1.5	4.45N	78.22W	10	4.8b,4.9			
CATAC	VIII	01 01 50 56.2–.26	5N–2.0	78W–2.0	10	4.7b,4.7b			
GFZ	VIII	01 01 50 58.3–.20	5N–3.0	79W–5.0	10	4.9b,4.9			
IDC	VIII	01 01 51 00.8–1.7	4.52N	78.50W	44–16	4.6,4.4b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=10.3km az=271.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=13.1km s-min=13.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=102.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.32 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$-2.55 $M_{r\theta}$-1.74 $M_{\theta\phi}$6.56 $M_{\phi r}$2.99 NP1:ϕ_s93.53344° ,δ58.05369°,λ10.73576°. NP2:ϕ_s357.80463°,δ80.90530°,λ147.59769°. Principal axes: T 5.3259,Plg29.0726°,Azm310.8894°; N 3.8741,Plg56.4799°,Azm163.8196° ; P -9.2000,Plg15.2112°,Azm49.5841° M_o8.00046×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.16 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-2.79 $M_{r\theta}$-1.86 $M_{\theta\phi}$7.52 $M_{\phi r}$2.57 NP1: ϕ_s93.36984°,δ75.79462°,λ-5.09096°. NP2:ϕ_s184.62225°,δ85.06510°,λ-165.74065°. Principal axes: T 6.0608,Plg6.4707°,Azm318.2298°; N 3.8984,Plg74.9276°,Azm203.3226° ; P -9.9592,Plg13.5534°,Azm49.7965° M_o8.69239×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=14.5km s-min=10.4km az=44.0.

ISC	**VII**	**29 18 08 20.2–1.7**	**7.65N–.08**	**82.78W–.05**	**21–5**		**31**	**1-3**	
CATAC	VII	29 18 08 20.5–1.0	8N–5.0	83W–6.0	14–5	3.8,3.8			**¶625828994**
UPA	VII	29 18 08 20.8–1.4	7.67N	82.80W	20–11	4.0W,3.8			

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=13.9km s-min=10.8km az=78.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=5.5km s-min=7.8km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 08 46 58.6–3.4**	**6.96N–.07**	**82.68W–.04**	**3–25**		**143**	**1-20**	
UCR	VII	31 08 46 44.2–1.1	5.70N	82.41W	18–999	4.4W			**¶622451102**
NEIC	VII	31 08 47 01.7–1.6	7.05N–.03	82.66W–.08	10–2	4.2b			
UPA	VII	31 08 47 01.1–1.3	6.91N	82.79W	26–28	3.9W			
CATAC	VII	31 08 47 02.2–.55	7N–4.0	83W–2.0	25	4.4b,4.3			

ISC Event type se.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VIII**	**02 11 35 47.1–2.0**	**7.42N–.08**	**82.79W–.04**	**12–11**		**105**	**1-8**	
UCR	VIII	02 11 35 47.0–.65	7.35N	82.80W	20–6	4.3W			**¶625300387**
UPA	VIII	02 11 35 47.4–1.9	7.36N	82.86W	36–15	4.0W			
CATAC	VIII	02 11 35 49.1–.74	7N–4.0	83W–2.0	21–7	4.6b,4.5			

ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

RSNC	**VIII**	**12 17 02 03.1–.00**	**2N–3.0**	**80W–3.0**	**10–3**	**5.2b,5.2**			**¶626345127**
ISC	**VIII**	**04 11 25 59.1–3.1**	**6.59N–.09**	**82.72W–.06**	**27–25**		**108**	**2-9**	
UCR	VIII	04 11 25 55.2–1.6	6.22N	82.78W	20–74	3.9W			**¶625171393**
UPA	VIII	04 11 25 59.8–1.5	6.61N	82.69W	33–18	3.4W			
RSNC	VIII	04 11 26 00.7–1.1	7N–4.0	83W–3.0	27–12	4.1,4.1b			
CATAC	VIII	04 11 26 03.6–1.6	7N–6.0	83W–2.0	2–10	3.8,3.8			

ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VIII**	**10 05 39 48.7–3.7**	**6.9N–.10**	**82.68W–.07**	**13–26**		**46**	**2-5**	
UPA	VIII	10 05 39 49.6–1.9	6.76N	82.75W	47–608	3.3W			**¶625300470**
UCR	VIII	10 05 39 51.9–1.3	6.91N	82.67W	35–101	3.5W			

ISC Event type se.
UPA Event type se. Error ellipse: s-maj=20.2km s-min=12.6km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=65.7km s-min=14.5km az=-1.0. Presumed earthquake.

ISC	**VIII**	**13 16 45 01.5–2.7**	**7.4N–.10**	**82.80W–.04**	**15–14**		**58**	**1-6**	
UPA	VIII	13 16 45 00.1–2.5	7.41N	82.91W	10–19	3.7W			**¶625300496**
CATAC	VIII	13 16 45 01.5–.75	7N–5.0	83W–2.0	18–6	5.0b,4.4b			
UCR	VIII	13 16 45 01.1–1.1	7.46N	82.79W	6–17	3.9W,4.4b			

ISC Event type se.
UPA Event type se. Error ellipse: s-maj=19.2km s-min=19.8km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=10.9km s-min=3.5km az=17.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=10.5km s-min=5.1km az=-1.0. Presumed earthquake.

ISC	**VIII**	**15 20 18 50.7–1.4**	**5.48N–.08**	**82.80W–.08**	**10**		**71**	**3-10**	
UPA	VIII	15 20 17 48.9–2.5	1.28N	84.68W	10–999				**¶625172083**
UCR	VIII	15 20 18 55.0–1.1	5.80N	82.69W	8–35	3.7W			
RSNC	VIII	15 20 18 55.1–.30	6N–3.0	82W–3.0	0	4.8b,4.4b			

ISC Event type se.
UPA Event type se. Presumed earthquake.
UCR Event type se. Presumed earthquake.

RSNC	**VIII**	**21 18 30 32.3–.00**	**7N–5.0**	**78W–5.0**	**17–7**	**2.8,2.3L**			
CATAC	VIII	21 18 30 23.4–1.2	8N–22	78W–10	295–13	3.1,3.1			**¶625172513**

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VIII**	**16 02 39 15.0–1.6**	**7.46N–.05**	**82.77W–.04**	**9–9**	**4.4b,3.5s**	**291**	**1-127**	
IDC	VIII	16 02 39 14.2–2.3	7.68N	82.45W	0	4.0L,3.9			**¶621030121**
UPA	VIII	16 02 39 14.6–1.3	7.46N	82.84W	3–6	4.3W,3.9			
UCR	VIII	16 02 39 15.7–1.4	7.47N	82.85W	6–17	4.5W,3.9			
NEIC	VIII	16 02 39 16.3–1.4	7.53N–.06	82.73W–.07	10–1	4.5b,3.9			
RSNC	VIII	16 02 39 17.1–1.0	7N–3.0	83W–3.0	25–9	5.2b,4.6			
CATAC	VIII	16 02 39 19.3–.50	8N–3.0	83W–1.0	32–7	5.4b,4.8			
SNET	VIII	16 02 40 43.0–5.9	12N–29	87W–39	10	4.0,3.8			

ISC Event type se.
UPA Event type se. Presumed earthquake.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**VIII**	**18 07 47 32.6–2.9**	**5.82N–.04**	**78.55W–.04**	**3–18**		**42**	**1-5**	
RSNC	VIII	18 07 47 32.6–.40	6N–3.0	79W–3.0	0	3.1,2.8			**¶625172307**
UPA	VIII	18 07 47 35.8–1.0	5.80N	78.55W	22–12	4.5W,2.8			
CATAC	VIII	18 07 47 36.7–1.3	6N–6.0	79W–5.0	29–14	3.3,3.3			

ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VIII**	**19 10 06 21.0–1.6**	**7.18N–.05**	**82.69W–.03**	**3–9**	**4.2b,3.5s**	**198**	**1-86**	
RSNC	VIII	19 10 06 20.0–.40	7N–4.0	83W–4.0	0	5.7b,5.3			**¶620997097**
CATAC	VIII	19 10 06 22.6	7N–3.0	83W–3.0	3–1	4.7b,4.6			
UPA	VIII	19 10 06 23.4–1.5	7.13N	82.73W	22–13	4.6W,4.6			
NEIC	VIII	19 10 06 24.0–2.1	7.29N–.02	82.66W–.09	10–1	4.5b,4.6			
GFZ	VIII	19 10 06 23.7–.43	7N–6.0	82W–7.0	10	4.2b,4.2			
IDC	VIII	19 10 06 31.2–3.0	9.01N	82.11W	0	3.8L,3.8			

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
UPA Event type se. Error ellipse: s-maj=4.1km s-min=4.7km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s70.00000°,δ60.00000°,λ-22.00000°.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=3.6km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=69.0km s-min=19.6km az=11.0.

ISC	**VIII**	**26 00 05 10.5–3.3**	**6.8N–.10**	**82.36W–.04**	**1–16**		**69**	**1-6**	
UPA	VIII	26 00 05 10.9–2.1	6.63N	82.38W	10–26	3.8W			**¶625300607**

CATAC VIII 26 00 05 12.1–.63 7N–4.0 82W–3.0 5 6.5b,6.3
UCR VIII 26 00 05 12.8–1.1 6.66N 82.37W 35–999 3.8W,6.3
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=20.7km s-min=11.3km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.8km s-min=4.7km az=17.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=23.4km s-min=10.0km az=-1.0. Presumed earthquake.
ISC VIII 25 16 45 00.6–3.3 5.65N–.04 78.42W–.04 9–23 107 1-9
RSNC VIII 25 16 45 01.4–.20 6N–1.0 78W–2.0 0 5.2b,4.6 **¶625151815**
UPA VIII 25 16 45 02.5–1.3 5.59N 78.43W 21–31 3.6W,4.6
CATAC VIII 25 16 45 04.7–.93 6N–3.0 78W–3.0 30–8 4.4b,4.3
ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 31 08 51 11.6–1.3 5.55N–.05 82.77W–.07 10 62 3-10
UPA VIII 31 08 51 13.8–1.7 5.49N 82.61W 45–999 3.5W **¶625152107**
RSNC VIII 31 08 51 13.5–.30 6N–2.0 83W–2.0 0 5.1b,4.4
ISC Event type se.
UPA Event type se. Presumed earthquake.
UPA VIII 26 16 48 15.9–2.2 7.58N 82.51W 0–19 3.6W ¶625829433
UPA Event type se. Error ellipse: s-maj=26.6km s-min=17.1km az=-1.0. Presumed earthquake.
ISC IX 11 02 36 34.1–1.9 7.38N–.07 82.80W–.04 7–10 135 1-5
UCR IX 11 02 36 35.7–.88 7.43N 82.78W 9–10 4.4W **¶621309585**
UPA IX 11 02 36 35.8–1.3 7.42N 82.79W 9–6 4.4W
CATAC IX 11 02 36 37.1–.76 7N–5.0 83W–2.0 19–6 4.4,4.4
ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 06 11 59 17.5–1.4 7.21N–.03 79.66W–.03 1–9 3.5b 146 0-145
IDC IX 06 11 59 15.9–2.0 6.64N 80.07W 0 3.7,3.5b **¶621094253**
UPA IX 06 11 59 18.8–1.3 7.29N 79.66W 10–2 4.4W,3.5b
CATAC IX 06 11 59 19.4–.92 7N–3.0 80W–3.0 10–6 4.5,4.5
RSNC IX 06 11 59 20.1–.50 7N–2.0 80W–2.0 30–7 5.0b,4.5b
UCR IX 06 11 59 21.5–1.0 7.48N 79.69W 1–16 4.6W,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=82.3km s-min=13.5km az=29.0.
UPA Event type se. Error ellipse: s-maj=3.2km s-min=1.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=7.2km s-min=4.6km az=36.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=19.4km s-min=14.1km az=-1.0. Presumed earthquake.
ISC IX 06 15 50 00.8–1.8 7.20N–.06 82.37W–.03 1–10 4.2b,3.4s 193 1-92
UCR IX 06 15 50 01.1–1.4 7.23N 82.34W 0–10 4.5W,3.4s **¶621094264**
UPA IX 06 15 50 01.9–1.4 7.19N 82.39W 10–9 4.3W,3.4s
CATAC IX 06 15 50 02.2–.71 7N–4.0 82W–2.0 7–5 4.3b,4.2
NEIC IX 06 15 50 02.3–.88 7.2N–.10 82.42W–.09 11–9 4.3b,4.2
IDC IX 06 15 50 07.7–3.6 8.44N 81.98W 0 4.0L,3.7
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=11.5km s-min=3.9km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=6.8km s-min=3.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=9.6km s-min=3.6km az=18.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=8.7km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=121.3km s-min=15.4km az=22.0.
ISC IX 21 04 49 58.5–2.0 6.87N–.09 82.38W–.03 1–11 104 1-6
NEIC IX 21 04 49 43.8–1.5 5.7N–.10 81.8W–.10 10–2 4.3b **¶621094763**
CATAC IX 21 04 50 03.1–.73 7N–5.0 82W–3.0 10 3.9,3.9
UPA IX 21 04 50 03.4–1.5 6.89N 82.40W 19–12 3.7W,3.9
UCR IX 21 04 50 04.2–1.2 6.92N 82.34W 35–77 4.0W,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=12.9km az=231.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=12.4km s-min=5.1km az=25.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=9.8km s-min=5.0km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=44.1km s-min=10.8km az=-1.0. Presumed earthquake.
ISC IX 19 15 33 50.8–.40 3.30N–.04 82.94W–.06 24 4.7b,3.8s 289 5-145
CATAC IX 19 15 33 46.4–.52 3N–3.0 83W–7.0 1 5.2b,5.2b **¶621083126**
IDC IX 19 15 33 47.5–.62 3.28N 83.10W 0 4.3,4.2b
NEIC IX 19 15 33 49.7–1.7 3.45N–.07 82.8W–.10 10–1 4.7b,4.2b
GFZ IX 19 15 33 50.3–.21 4N–4.0 83W–7.0 10 5.3b,5.1
RSNC IX 19 15 33 51.3–.50 3N–2.0 83W–4.0 31–11 5.3b,5.0b
GCMT IX 19 15 33 52.5–.20 3.30N–.01 82.88W–.02 18–1 4.9W,5.0b
UCR IX 19 15 34 02.1–1.3 4.65N 82.77W 0–207 4.2W,5.0b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=15.7km s-min=3.0km az=63.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=18.1km s-min=10.3km az=59.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=8.1km az=238.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109191533A. Moment Tensor Solution. s35,c45; s101,c145; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.49±.09 $M_{\theta\theta}$0.70±.07; $M_{\phi\phi}$-0.21±.09; $M_{r\theta}$-0.18±.17; $M_{\theta\phi}$2.58±.07; $M_{\phi r}$0.23±.18; Best double couple: NP1:ϕ_s95.00000°,δ84.00000° ,λ-6.00000°. NP2:ϕ_s185.00000°,δ84.00000°,λ-174.00000°. Principal axes: T 2.8650,Plg0.0000°,Azm320.0000°; N -0.4430,Plg81.0000°,Azm228.0000° ; P -2.4220,Plg9.0000°,Azm50.0000° $M_0$2.64300×10^{16}
UCR Event type se. Error ellipse: s-maj=433.7km s-min=42.0km az=-1.0. Presumed earthquake.
ISC IX 13 18 17 33.1–.82 3.94N–.05 82.79W–.07 35 4.3b 93 4-38
NEIC IX 13 18 17 31.4–2.1 4.00N–.05 82.88W–.08 10–2 4.4b **¶622452094**
RSNC IX 13 18 17 38.9–.70 4N–3.0 82W–7.0 10–11 5.2b,4.6
UCR IX 13 18 17 39.1–.60 4.53N 82.75W 20 3.5W,4.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.1km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=29.6km s-min=2.8km az=-1.0. Presumed earthquake.
ISC IX 22 01 25 08.2–.89 7.37N–.03 82.73W–.03 16–5 4.7b,4.3s 652 1-154
IDC IX 22 01 25 05.9–.71 7.37N 82.61W 0 4.3,4.3s **¶625372814**
UCR IX 22 01 25 07.8–.73 7.35N 82.77W 15–12 5.5W,4.3s
UPA IX 22 01 25 07.6–2.0 7.37N 82.80W 6–5 5.1W,4.3s
GFZ IX 22 01 25 08.7 7.32N 82.83W 17 5.1W,4.3s
NEIC IX 22 01 25 08.6–1.4 7.40N–.05 82.74W–.06 14–4 4.8b,4.3s
NEIC IX 22 01 25 08.8 7.42N 82.75W 13 4.8b,4.3s
GFZ IX 22 01 25 08.7–.22 7N–3.0 83W–4.0 10 5.7L,5.5b
CATAC IX 22 01 25 12.0–.43 8N–2.0 83W–1.0 22–4 5.4b,5.4
GCMT IX 22 01 25 13.3–.10 7.37N–.01 82.81W–.01 22–0 5.2W,5.4
NEIC IX 22 01 25 18.3 7.42N 82.75W 14 5.2,5.4
SNET IX 22 01 26 42.2–4.3 12N–23 87W–28 10 4.1,4.1
ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.47 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$0.29 $M_{r\theta}$-0.43 $M_{\theta\phi}$5.73 $M_{\phi r}$1.07 NP1: ϕ_s354.64410°,δ89.00423°,λ168.90293°. NP2:ϕ_s84.83939°,δ78.90463°,λ1.01474°. Principal axes: T 5.1721,Plg8.5322°,Azm309.2037°; N 1.5116,Plg78.8589°,Azm169.5807° ; P -6.6837,Plg7.1108°,Azm40.2761° $M_0$6.07076×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.11 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$-0.56 $M_{r\theta}$-0.90 $M_{\theta\phi}$3.10 $M_{\phi r}$0.68 NP1:ϕ_s90.06211° ,δ86.14100°,λ-13.94643°. NP2:ϕ_s181.01962°,δ76.08583°,λ-176.02416°. Principal axes: T 2.5612,Plg7.0334°,Azm136.3159°; N 1.3371,Plg75.5397°,Azm254.8986° ; P -3.8983,Plg12.5696°,Azm44.7395° $M_0$3.43104×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.86 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-0.24 $M_{r\theta}$-1.03 $M_{\theta\phi}$3.02 $M_{\phi r}$0.76 NP1: ϕ_s179.52473°,δ75.07020°,λ-173.15032°. NP2:ϕ_s87.75212°,δ83.38260°,λ-15.03228°. Principal axes: T 2.6152,Plg5.7789°,Azm134.4065°; N 1.1913,Plg73.6064°,Azm244.5275° ; P -3.8065,Plg15.2875°,Azm42.8213° $M_0$3.37254×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109220125A. Moment Tensor Solution. s80,c115; s129,c237;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.50±.18 $M_{\theta\theta}$-2.10±.13; $M_{\phi\phi}$1.60±.16; $M_{r\theta}$-1.53±.23; $M_{\theta\phi}$8.42±.14; $M_{\phi r}$0.20±.26; Best double couple: NP1: ϕ_s174.00000°,δ80.00000°,λ-179.00000°. NP2:ϕ_s84.00000°,δ89.00000°,λ-10.00000°. Principal axes: T 8.4530,Plg6.0000°,Azm129.0000°; N 0.6010,Plg80.0000°,Azm255.0000° ; P -9.0530,Plg8.0000°,Azm38.0000° $M_0$8.75300×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.58 $M_{\theta\theta}$-2.18 $M_{\phi\phi}$1.60 $M_{r\theta}$-2.34 $M_{\theta\phi}$6.18 $M_{\phi r}$-2.18 NP1:ϕ_s168.77000°,δ69.36000° ,λ165.90000°. NP2:ϕ_s263.83000°,δ76.82000°,λ21.22000°. Principal axes: T 7.5898,Plg24.0000°,Azm128.0000°; N -0.7793,Plg65.0000°,Azm294.0000° ; P -6.8105,Plg5.0000°,Azm35.0000° $M_0$7.23000×10^{16}
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 22 11 15 42.1–1.8 7.86N–.08 82.84W–.04 17–8 70 0-4
UCR IX 22 11 15 42.4–.53 7.84N 82.93W 16–6 3.9W **¶625706687**
UPA IX 22 11 15 42.9–1.2 7.88N 82.84W 13–3 3.6W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=3.5km s-min=3.2km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=3.0km s-min=3.5km az=-1.0. Presumed earthquake.
ISC IX 24 20 42 58.0–1.1 3.04N–.03 78.31W–.04 39–3 4.3b 81 2-144
CATAC IX 24 20 42 49.6–1.2 2N–8.0 77W–8.0 247–15 4.2b,3.8 **¶621126462**
IDC IX 24 20 42 50.1–3.4 3.03N 79.10W 0 3.9,3.6b
NEIC IX 24 20 42 58.9–1.1 2.98N–.06 78.3W–.10 35–2 4.4b,3.6b
RSNC IX 24 20 42 58.7–.00 3N–2.0 78W–2.0 38–4 4.7b,4.3b
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 17 05 52 42.7–.85 6.34N–.07 82.64W–.04 10 154 2-50
UPA X 17 05 52 42.6–1.7 6.41N 82.64W 4–17 4.0W **¶621204814**
CATAC X 17 05 52 45.9–.79 6N–6.0 83W–2.0 28–11 4.3b,4.3
NEIC X 17 05 52 48.1–1.0 6.85N–.08 82.70W–.08 10–2 4.3b,4.3
ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 03 02 13 29.5–1.6 7.78N–.06 79.74W–.05 12–9 55 1-2
CATAC X 03 02 13 31.3 8N–14 80W–14 2–8 2.7,2.7 **¶626090966**
UPA X 03 02 13 31.3–1.1 7.82N 79.81W 12–3 3.6W,2.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
UPA Event type se. Error ellipse: s-maj=3.0km s-min=2.0km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s343.99000°,δ71.25000°,λ23.86000°.
ISC IX 26 17 02 24.2–1.3 5.40N–.06 82.61W–.07 15 77 3-10
RSNC IX 26 17 02 23.9–.30 5N–2.0 83W–2.0 0 5.5b,4.9 **¶625153576**
CATAC IX 26 17 02 24.5–1.1 5N–7.0 83W–4.0 30–15 5.2b,4.5
UCR IX 26 17 02 24.2–1.1 5.31N 82.59W 36–999 3.7W,4.5
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=15.8km s-min=6.4km az=28.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UCR Event type se. Error ellipse: s-maj=49.9km s-min=40.5km az=-1.0. Presumed earthquake.
ISC X 10 11 53 51.3–1.1 4.62N–.06 82.72W–.07 35 103 3-12
RSNC X 10 11 53 44.7–.60 4N–4.0 83W–5.0 0 5.0b,4.3 **¶625154392**
CATAC X 10 11 53 49.1–.45 5N–3.0 83W–6.0 10 5.3b,4.9b
UCR X 10 11 53 49.2–1.1 4.62N 82.80W 35–999 3.7W,4.9b
UPA X 10 11 53 50.1–.46 4.63N 83.00W 89–99 4.9W,4.9b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=13.4km s-min=4.2km az=61.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.95 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$2.19 $M_{r\theta}$0.26 $M_{\theta\phi}$1.04 $M_{\phi r}$0.44 NP1:ϕ_s330.43239° ,δ74.78422°,λ-176.13412°. NP2:ϕ_s239.41633°,δ86.26983°,λ-15.24887°. Principal axes: T 2.5504,Plg8.0236°,Azm285.8688°; N -0.9844,Plg74.3120°,Azm45.9939° ; P -1.5660,Plg13.3905°,Azm193.9458° $M_0$2.22779×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.21 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$1.46 $M_{r\theta}$-0.26 $M_{\theta\phi}$0.31 $M_{\phi r}$0.88 NP1: ϕ_s173.63877°,δ62.74355°,λ-107.99441°. NP2:ϕ_s28.98443°,δ32.27624°,λ-59.05109°. Principal axes: T 1.7439,Plg15.9031°,Azm276.7673°; N -0.1829,Plg15.9395°,Azm182.0998° ; P -1.5611,Plg67.1735°,Azm49.3698° $M_0$1.66007×10^{16}
UCR Event type se. Error ellipse: s-maj=26.2km s-min=22.7km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=7.2km s-min=6.0km az=-1.0. Presumed earthquake.
ISC X 14 08 13 09.2–1.3 5.66N–.04 79.56W–.05 10 109 2-10
RSNC X 14 08 13 08.8–.30 6N–2.0 80W–3.0 0 5.2b,4.5 **¶625154629**
UPA X 14 08 13 11.7–2.1 5.60N 79.65W 44–85 3.3W,4.5
CATAC X 14 08 13 12.6–.57 6N–4.0 79W–4.0 10 4.2b,3.8
ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 24 07 57 21.4–1.4 8.00N–.06 82.80W–.03 16–8 48 0-3
UCR X 24 07 57 20.2–.94 7.88N 82.80W 16–16 3.7W **¶625708576**
UPA X 24 07 57 22.6–.94 8.08N 82.81W 19–1 3.4W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0. Presumed earthquake.
ISC X 17 04 58 06.9–3.3 6.29N–.04 82.62W–.04 16–22 4.5b,3.4s 315 2-141
IDC X 17 04 58 04.5–.69 6.11N 82.77W 0 4.1,4.0b **¶621204813**
UPA X 17 04 58 05.9–1.7 6.30N 82.68W 10–14 4.3W,4.0b
UCR X 17 04 58 05.8–.67 6.28N 82.60W 18–25 4.2W,4.0b
CATAC X 17 04 58 06.1–.54 6N–4.0 83W–3.0 1 5.0b,5.0b
NEIC X 17 04 58 06.8–1.8 6.22N–.07 82.64W–.08 10–1 4.5b,5.0b
GFZ X 17 04 58 06.7–.22 6N–3.0 83W–5.0 10 4.7L,4.5b
GCMT X 17 04 58 09.6–.30 6.19N–.02 82.63W–.03 21–2 4.7W,4.5b
GCG X 17 05 00 15.3–1.6 13.03N 88.78W 28–22 4.0,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=10.8km az=50.0.
UPA Event type se. Error ellipse: s-maj=12.9km s-min=6.3km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=16.8km s-min=4.0km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=10.0km s-min=5.1km az=26.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.5km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.6km s-min=5.2km az=61.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110170458A. Moment Tensor Solution. s9,c12; s76,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.25±.10 $M_{\theta\theta}$-0.25±.06; $M_{\phi\phi}$0.00±.09; $M_{r\theta}$0.62±.14; $M_{\theta\phi}$1.40±.06; $M_{\phi r}$0.17±.13; Best double couple: NP1:ϕ_s356.00000°,δ65.00000° ,λ170.00000°. NP2:ϕ_s90.00000°,δ81.00000°,λ25.00000°. Principal axes: T 1.5220,Plg24.0000°,Azm315.0000°; N 0.0790,Plg63.0000°,Azm107.0000°

; P -1.6010,Plg11.0000°,Azm220.0000° $M_0$1.56200×10^{16}
GCG Event type se. Error ellipse: s-maj=45.2km s-min=42.4km az=-1.0. Presumed earthquake.
ISC X 17 22 16 46.4–1.6 7.44N–.06 82.42W–.03 14–10 71 1-4
UCR X 17 22 16 45.9–.60 7.46N 82.33W 108–39 4.3W **¶625707984**
UPA X 17 22 16 46.6–2.6 7.47N 82.43W 0–11 3.9W
CATAC X 17 22 16 47.4–.97 7N–8.0 83W–4.0 15–7 3.8,3.8
ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 23 15 57 55.7–2.6 6.9N–.10 82.69W–.06 15–14 33 1-5
CATAC X 23 15 57 56.1–2.5 7N–9.0 83W–4.0 2–17 4.0,4.0 **¶626091056**
UPA X 23 15 57 57.9–1.4 6.82N 82.68W 46–304 3.8W,4.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=18.7km s-min=8.1km az=6.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=7.7km s-min=6.1km az=-1.0. Presumed earthquake.
ISC X 18 01 04 26.1–1.8 6.17N–.08 82.62W–.07 10 79 2-11
UCR X 18 01 04 26.6–.52 6.00N 82.70W 20 3.8W **¶625154824**
CATAC X 18 01 04 27.4–.83 6N–5.0 83W–3.0 10 3.9,3.9
UPA X 18 01 04 28.5–1.4 6.29N 82.62W 5 4.4W,3.9
RSNC X 18 01 04 28.5–.40 6N–2.0 82W–3.0 0 5.9b,5.5
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Presumed earthquake.
ISC XI 05 04 13 47.5–.78 2.20N–.03 79.03W–.04 17–4 4.5b,3.4s 203 2-159
IDC XI 05 04 13 44.9–.65 2.22N 78.91W 0 3.9b,3.9 **¶621361564**
VAO XI 05 04 13 47.9–1.5 2.05N 78.83W 10 4.4b,3.9
RSNC XI 05 04 13 47.5–.60 2N–1.0 79W–3.0 0–4 5.0b,4.8b
GFZ XI 05 04 13 48.9–.36 2N–3.0 79W–5.0 15–2 5.2b,4.6
CATAC XI 05 04 13 48.6–.39 2N–2.0 79W–4.0 10 4.7b,4.7
NEIC XI 05 04 13 49.8–2.3 2.15N–.05 78.99W–.08 24–4 4.5b,4.7
ISC Event type se.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.87 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$0.15 $M_{r\theta}$0.67 $M_{\theta\phi}$-4.09 $M_{\phi r}$-4.62 NP1:ϕ_s88.36062° ,δ43.07141°,λ170.58961°. NP2:ϕ_s185.26382°,δ83.58904°,λ47.31567°. Principal axes: T 6.6533,Plg36.5482°,Azm58.6276°; N -0.8327,Plg42.3548°,Azm191.1434° ; P -5.8205,Plg25.9501°,Azm307.4819° $M_0$6.27845×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.19 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-0.16 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.84 $M_{\phi r}$-0.69 NP1: ϕ_s181.01851°,δ82.33743°,λ40.32713°. NP2:ϕ_s84.56079°,δ50.10579°,λ169.99160°. Principal axes: T 1.1060,Plg33.2164°,Azm50.9012°; N 0.0080,Plg49.0738°,Azm189.9454° ; P -1.1139,Plg21.0531°,Azm306.3025° $M_0$1.10997×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.53 $M_{\theta\theta}$0.32 $M_{\phi\phi}$-2.84 $M_{r\theta}$0.91 $M_{\theta\phi}$-5.73 $M_{\phi r}$-5.80 NP1: ϕ_s179.12059°,δ78.65467°,λ47.52571°. NP2:ϕ_s76.99340°,δ43.68337°,λ163.45152°. Principal axes: T 8.4103,Plg40.5763°,Azm50.1704°; N 0.4415,Plg41.4575°,Azm189.3301° ; P -8.8518,Plg21.8547°,Azm300.0815° $M_0$8.63949×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.56 $M_{\theta\theta}$3.01 $M_{\phi\phi}$-4.57 $M_{r\theta}$0.66 $M_{\theta\phi}$-5.24 $M_{\phi r}$-3.77 NP1: ϕ_s165.06485°,δ84.47448°,λ32.32442°. NP2:ϕ_s71.57819°,δ57.84388°,λ173.46926°. Principal axes: T 6.8373,Plg26.3868°,Azm33.2271°; N 1.3993,Plg57.2572°,Azm173.7172° ; P -8.2366,Plg17.9541°,Azm293.9761° $M_0$7.63372×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.22 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-1.42 $M_{r\theta}$0.42 $M_{\theta\phi}$-3.35 $M_{\phi r}$-2.53 NP1: ϕ_s79.50456°,δ51.15990°,λ165.55140°. NP2:ϕ_s178.68373°,δ78.79358°,λ39.74256°. Principal axes: T 4.2050,Plg35.5127°,Azm46.7738°; N 0.4138,Plg48.9611°,Azm191.8396° ; P -4.6188,Plg17.8207°,Azm303.5117° $M_0$4.42643×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-0.89 $M_{r\theta}$0.84 $M_{\theta\phi}$-3.74 $M_{\phi r}$-3.76 NP1: ϕ_s180.71341°,δ81.17137°,λ45.44297°. NP2:ϕ_s81.85393°,δ45.24231°,λ167.51754°. Principal axes: T 5.6521,Plg37.3302°,Azm52.1098°; N -0.4081,Plg43.8924°,Azm189.3072° ; P -5.2439,Plg22.9143°,Azm303.3034° $M_0$5.45947×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.43 $M_{\theta\theta}$0.84 $M_{\phi\phi}$-2.26 $M_{r\theta}$0.57 $M_{\theta\phi}$-4.64 $M_{\phi r}$-2.41 NP1: ϕ_s174.34064°,δ80.00947°,λ29.82273°. NP2:ϕ_s78.66139°,δ60.67407°,λ168.52234°. Principal axes: T 5.1787,Plg27.9692°,Azm40.3459°; N 0.8040,Plg58.6949°,Azm191.1788° ; P -5.9827,Plg12.9236°,Azm303.3470° $M_0$5.62393×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 30 07 26 11.1–2.9 6.87N–.04 82.32W–.03 14–20 4.2b,3.3s 236 1-91
UCR X 30 07 26 08.4–.26 6.84N 82.44W 0–47 4.4W,3.3s **¶621395160**
CATAC X 30 07 26 09.0–.62 7N–5.0 83W–2.0 1 6.1b,5.8
IDC X 30 07 26 10.4–5.0 7.18N 82.03W 0 3.9L,3.7
UPA X 30 07 26 11.7–2.0 6.93N 82.40W 11–12 4.6W,3.7
NEIC X 30 07 26 12.7–1.9 7.00N–.08 82.5W–.10 10–2 4.5b,3.7
RSNC X 30 07 26 12.6–.20 7N–2.0 82W–2.0 57–10 6.3b,6.0
ISC Event type se.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.40 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-0.86 $M_{r\theta}$-0.86 $M_{\theta\phi}$1.55 $M_{\phi r}$0.07 NP1:ϕ_s284.47488° ,δ81.02444°,λ29.08934°. NP2:ϕ_s189.51417°,δ61.30025°,λ169.75463°. Principal axes: T 1.8222,Plg26.7363°,Azm150.6953°; N 0.1870,Plg59.6735°,Azm300.1396° ; P -2.0091,Plg13.2528°,Azm53.8816° $M_0$1.92248×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.43 $M_{\theta\theta}$0.98 $M_{\phi\phi}$-2.41 $M_{r\theta}$0.08 $M_{\theta\phi}$2.77 $M_{\phi r}$-0.88 NP1: ϕ_s285.97669°,δ71.43314°,λ6.85688°. NP2:ϕ_s193.78397°,δ83.50159°,λ161.30864°. Principal axes: T 2.6511,Plg17.7689°,Azm148.4817°; N 1.4284,Plg70.2494°,Azm355.2874° ; P -4.0795,Plg8.3444°,Azm241.1759° $M_0$3.58543×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.52 $M_{\theta\theta}$1.02 $M_{\phi\phi}$-2.54 $M_{r\theta}$0.05 $M_{\theta\phi}$2.93 $M_{\phi r}$-0.86 NP1: ϕ_s286.00423°,δ72.04261°,λ7.27904°. NP2:ϕ_s193.74905°,δ83.07734°,λ161.90619°. Principal axes: T 2.7905,Plg17.6520°,Azm148.6069°; N 1.4990,Plg70.6686°,Azm353.5003° ; P -4.2895,Plg7.6303°,Azm241.0502° $M_0$3.77055×10^{15}
UPA Event type se. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s281.45000° ,δ51.62000°,λ12.25000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 26 17 30 31.4–2.6 5.99N–.07 82.51W–.05 11–19 108 2-9
RSNC X 26 17 30 30.7–1.0 6N–3.0 83W–9.0 0 5.7b,5.2 **¶621256432**
UPA X 26 17 30 34.5–1.7 6.06N 82.45W 9–25 4.0W,5.2
UCR X 26 17 30 35.5–.88 6.10N 82.38W 21–58 3.9W,5.2
CATAC X 26 17 30 38.7–.57 6N–5.0 82W–2.0 69–25 4.3,4.2
ISC Event type se.
UPA Event type se. Presumed earthquake.
UCR Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSNC XI 02 08 07 58.2–1.0 4N–8.0 82W–6.0 0 4.0,4.0b ¶635750394
ISC XI 02 08 31 51.2–.41 5.49N–.04 82.57W–.04 10 4.5b,3.5s 417 3-141
GFZ XI 02 08 31 50.7–.18 5N–3.0 82W–5.0 10 5.5b,5.3 **¶621252463**
IDC XI 02 08 31 50.3–.77 5.38N 82.71W 0 4.2,4.1b
NEIC XI 02 08 31 52.3–1.9 5.40N–.07 82.69W–.08 10–1 4.6b,4.1b
UCR XI 02 08 31 53.2–1.1 5.50N 82.59W 37–30 4.5W,4.1b
UPA XI 02 08 31 55.5–2.0 5.78N 82.61W 10 4.5W,4.1b
GCMT XI 02 08 31 56.8–.30 5.37N–.02 82.55W–.02 22–1 4.8W,4.1b
CATAC XI 02 08 31 58.2–.49 6N–6.0 83W–2.0 15–7 5.4b,5.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111020831A. Moment Tensor Solution. s11,c12; s85,c114; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.12 $M_{\theta\theta}$0.12±.09; $M_{\phi\phi}$0.05±.10; $M_{r\theta}$-0.15±.13; $M_{\theta\phi}$1.78±.07; $M_{\phi r}$0.19±.13; Best double couple: NP1:ϕ_s90.00000°,δ83.00000° ,λ-6.00000°. NP2:ϕ_s181.00000°,δ84.00000°,λ-173.00000°. Principal axes: T 1.8680,Plg1.0000°,Azm315.0000°; N -0.1390,Plg81.0000°,Azm221.0000° ; P -1.7290,Plg9.0000°,Azm46.0000° $M_0$1.79800×10^{16}
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.86 $M_{\theta\theta}$1.05 $M_{\phi\phi}$4.81 $M_{r\theta}$-1.23 $M_{\theta\phi}$-3.04 $M_{\phi r}$-0.74 NP1:ϕ_s136.83716° ,δ46.56317°,λ-110.10767°. NP2:ϕ_s344.87098°,δ47.00976°,λ-70.04530°. Principal axes: T 6.5068,Plg0.2301°,Azm60.9064°; N -0.2803,Plg14.4559°,Azm150.9658° ; P -6.2266,Plg75.5422°,Azm330.0138° $M_0$6.37134×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.19 $M_{\theta\theta}$1.55 $M_{\phi\phi}$2.63 $M_{r\theta}$0.89 $M_{\theta\phi}$-1.85 $M_{\phi r}$-3.88 NP1: ϕ_s130.82861°,δ25.31180°,λ-115.65861°. NP2:ϕ_s338.81456°,δ67.33242°,λ-78.42636°. Principal axes: T 5.4620,Plg21.5130°,Azm60.0434°; N 0.4769,Plg10.6687°,Azm154.3019° ; P -5.9388,Plg65.7453°,Azm269.0173° $M_0$5.71532×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.58 $M_{\theta\theta}$-2.62 $M_{\phi\phi}$3.20 $M_{r\theta}$-0.37 $M_{\theta\phi}$-0.47 $M_{\phi r}$-4.96 NP1: ϕ_s128.52921°,δ18.90833°,λ-153.48713°. NP2:ϕ_s13.26459°,δ81.68254°,λ-72.95889°. Principal axes: T 6.6148,Plg34.5178°,Azm88.6983°; N -2.4150,Plg16.8565°,Azm190.7258° ; P -4.1999,Plg50.4652°,Azm302.2631° $M_0$5.79771×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.04 $M_{\theta\theta}$-2.84 $M_{\phi\phi}$-0.20 $M_{r\theta}$-1.40 $M_{\theta\phi}$2.94 $M_{\phi r}$-4.08 NP1: ϕ_s159.04639°,δ66.09727°,λ132.59488°. NP2:ϕ_s272.83018°,δ47.69937°,λ33.21801°. Principal axes: T 6.6702,Plg49.6768°,Azm116.7415°; N -1.7202,Plg38.2259°,Azm318.6150° ; P -4.9500,Plg10.9171°,Azm219.8767° $M_0$5.99802×10^{16}
ISC XI 18 21 31 35.1–.26 5.24N–.04 82.63W–.05 10 5.2b,4.4s 545 3-156
RSNC XI 18 21 31 31.4–.30 5N–2.0 83W–3.0 0 5.8b,5.8b **¶621416138**
IDC XI 18 21 31 32.7–.46 5.14N 82.65W 0 4.9b,4.9
MOS XI 18 21 31 34.9–1.2 5.28N 82.57W 18 5.3b,4.9
NEIC XI 18 21 31 35.8 5.23N 82.60W 10 5.3b,4.9
NEIC XI 18 21 31 35.7–2.4 5.22N–.07 82.62W–.08 10–1 5.3b,4.9
CATAC XI 18 21 31 36.5–.83 5N–5.0 82W–9.0 16–6 5.7b,5.6b
GFZ XI 18 21 31 36.1 5.29N 82.57W 14 5.2W,5.6b
GFZ XI 18 21 31 36.5–.19 5N–2.0 83W–4.0 10 5.7b,5.4L
GCMT XI 18 21 31 38.7–.10 5.19N–.01 82.63W–.01 16–0 5.2W,5.4L
NEIC XI 18 21 31 41.8 5.23N 82.60W 12 5.2,5.4L
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=9.1km az=56.0.
MOS Error ellipse: s-maj=12.4km s-min=6.1km az=110.5.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.9km az=241.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=21.3km s-min=3.2km az=60.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.55 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$-2.78 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.03 NP1:ϕ_s195.78965° ,δ43.95893°,λ84.08180°. NP2:ϕ_s23.98425°,δ46.33483°,λ95.67814°. Principal axes: T 3.5753,Plg85.7258°,Azm3.8205°; N -0.4868,Plg4.1043°,Azm200.0571° ; P -3.0885,Plg1.1910°,Azm109.9716° $M_0$3.35850×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.44 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-0.10 $M_{r\theta}$0.26 $M_{\theta\phi}$-1.74 $M_{\phi r}$0.23 NP1: ϕ_s49.46623°,δ50.16733°,λ82.49454°. NP2:ϕ_s241.08888°,δ40.41760°,λ98.89991°. Principal axes: T 1.4748,Plg82.4296°,Azm274.9529°; N 1.1214,Plg5.7568°,Azm54.2901° ; P -2.5962,Plg4.8997°,Azm144.7853° $M_0$2.25534×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-6.65 $M_{\theta\theta}$-1.49 $M_{\phi\phi}$8.15 $M_{r\theta}$-1.50 $M_{\theta\phi}$-3.04 $M_{\phi r}$0.18 NP1: ϕ_s148.32530°,δ49.37709°,λ-111.86732°. NP2:ϕ_s359.97566°,δ45.21896°,λ-66.52935°. Principal axes: T 9.0511,Plg2.1608°,Azm253.6064°; N -1.9647,Plg16.4214°,Azm162.9693° ; P -7.0864,Plg73.4290°,Azm350.8911° $M_0$8.24621×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.21 $M_{\theta\theta}$0.30 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.90 $M_{\phi r}$1.14 NP1: ϕ_s345.45661°,δ84.57174°,λ130.57049°. NP2:ϕ_s81.76143°,δ40.86968°,λ8.31250°. Principal axes: T 1.5529,Plg36.9850°,Azm290.6075°; N -0.0617,Plg40.3509°,Azm160.8259° ; P -1.4912,Plg27.8930°,Azm44.1014° $M_0$1.52299×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.37 $M_{\theta\theta}$1.06 $M_{r\theta}$-2.88 $M_{\theta\phi}$1.43 $M_{\phi r}$-0.42 NP1: ϕ_s187.50316°,δ27.54341°,λ-152.55722°. NP2:ϕ_s72.77985°,δ77.69520°,λ-65.16326°. Principal axes: T 3.3459,Plg28.4421°,Azm143.0382°; N 0.2465,Plg24.2290°,Azm247.1466° ; P -3.5925,Plg51.0465°,Azm10.9717° $M_0$3.47576×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61 $M_{\theta\theta}$0.84 $M_{\phi\phi}$-0.22 $M_{r\theta}$1.34 $M_{\theta\phi}$7.49 $M_{\phi r}$-0.89 NP1: ϕ_s271.32430°,δ82.89229°,λ-10.88944°. NP2:ϕ_s2.68791°,δ79.19525°,λ-172.76332°. Principal axes: T 7.8286,Plg2.5827°,Azm317.2907°; N -0.2781,Plg77.0197°,Azm58.5758° ; P -7.5505,Plg12.7120°,Azm226.7077° $M_0$7.69330×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111182131A. Moment Tensor Solution. s89,c134; s143,c259;Duration: 1^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.78±.14 $M_{\theta\theta}$0.52±.12; $M_{\phi\phi}$0.26±.15; $M_{r\theta}$2.33±.36; $M_{\theta\phi}$9.17±.12; $M_{\phi r}$1.47±.39; Best double couple: NP1:ϕ_s360.00000° ,δ77.00000°,λ173.00000°. NP2:ϕ_s91.00000°,δ83.00000°,λ13.00000°. Principal axes: T 10.2210,Plg14.0000°,Azm316.0000°; N -1.3960,Plg76.0000°,Azm117.0000° ; P -8.8250,Plg4.0000°,Azm225.0000° $M_0$9.52300×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}1 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.10 $M_{\theta\theta}$0.99 $M_{\phi\phi}$0.11 $M_{r\theta}$3.44 $M_{\theta\phi}$7.60 $M_{\phi r}$2.99 NP1:ϕ_s359.20000°,δ72.78000° ,λ165.48000°. NP2:ϕ_s93.58000°,δ76.15000°,λ17.76000°. Principal axes: T 10.0269,Plg22.0000°,Azm317.0000°; N -2.9541,Plg68.0000°,Azm130.0000° ; P -7.0729,Plg2.0000°,Azm226.0000° $M_0$8.92000×10^{16}
ISC XI 16 06 30 24.3–.68 4.74N–.05 82.72W–.06 10 4.2b 134 3-54
RSNC XI 16 06 30 25.0–.30 5N–1.0 83W–2.0 10 5.0b,4.3b **¶621409310**
NEIC XI 16 06 30 27.6–1.1 5.1N–.10 82.75W–.09 10–1 4.3b,4.3b
CATAC XI 16 06 30 38.1–1.8 6N–15 83W–6.0 28–27 5.2b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 29 14 41 17.9–.63 3.80N–.04 78.74W–.04 10 4.4b 79 2-144
RSNC XI 29 14 41 17.4–.00 4N–1.0 79W–1.0 29–6 6.1b,5.8 **¶621626974**
NEIC XI 29 14 41 19.6–2.2 3.68N–.06 78.60W–.07 10–1 4.5b,5.8
IDC XI 29 14 41 21.6–6.0 3.99N 78.75W 70–46 4.0,3.6b
CATAC XI 29 14 41 40.4–1.2 3N–8.0 77W–6.0 29–16 7.1,6.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 09 18 33 59.7–1.5 7.36N–.06 82.82W–.04 20–4 108 1-20
UCR XII 09 18 33 58.7–.37 7.28N 82.82W 18–5 4.4W **¶622512082**
NEIC XII 09 18 33 59.4–.93 7.40N–.05 82.78W–.08 10–2 4.5b
UPA XII 09 18 34 00.3–1.4 7.36N 82.80W 16–8 4.2W
CATAC XII 09 18 34 01.2–.76 7N–4.0 83W–2.0 18–6 4.6b,4.6
ISC Event type se.
UCR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 01 22 38 08.0–2.5 6.8N–.10 82.65W–.07 10 51 1-4
UPA XII 01 22 38 08.6–1.2 6.82N 82.62W 6–8 4.3W **¶626326454**
UCR XII 01 22 38 10.4–1.2 6.80N 82.67W 36–12 3.8W
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=9.8km s-min=5.2km az=-1.0. Presumed earthquake.
UCR Event type se. Error ellipse: s-maj=11.4km s-min=5.3km az=-1.0. Presumed earthquake.
ISC XII 04 16 02 43.4–2.2 6.96N–.09 82.61W–.04 5–12 72 1-5
UCR XII 04 16 02 30.9–1.2 5.80N 82.35W 20 4.5W **¶626326458**
UPA XII 04 16 02 46.5–1.2 7.02N 82.66W 10–9 4.3W
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=186.9km s-min=7.3km az=-1.0. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=7.5km s-min=3.4km az=-1.0. Presumed earthquake.
ISC XII 10 12 22 38.6–.64 4.72N–.03 78.41W–.04 10 3.8b 67 1-145
RSNC XII 10 12 22 39.7–.00 5N–1.0 78W–1.0 32–6 5.3b,4.7 **¶621644128**
IDC XII 10 12 22 46.6–2.6 4.84N 77.99W 78–25 3.8,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=15.3km az=61.0.
UPA XII 12 02 52 48.8–.83 7.60N 79.78W 0–4 3.5W ¶626674409
UPA Event type se. Error ellipse: s-maj=4.7km s-min=2.6km az=-1.0. Presumed earthquake.

ISC XII 13 09 22 16.7–1.6 7.51N–.03 79.38W–.03 15–12 88 1-6
RSNC XII 13 09 22 17.2–.00 8N–2.0 79W–2.0 4–4 5.1b,4.4 **¶625158171**
UPA XII 13 09 22 17.7–1.4 7.56N 79.38W 9–6 4.2W,4.4
CATAC XII 13 09 22 18.7–.84 8N–3.0 79W–3.0 12–5 3.5,3.5
ISC Event type se.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 12 12 12 45.0–2.0 7.11N–.08 82.36W–.04 7–12 101 1-6
UCR XII 12 12 12 45.3–.36 7.00N 82.41W 14–7 3.9W **¶626091373**
UPA XII 12 12 12 47.4–1.1 7.08N 82.42W 21–15 4.0W
CATAC XII 12 12 12 48.4–.85 7N–6.0 82W–4.0 12–7 4.1b,4.1
ISC Event type se.
UCR Event type se. Presumed earthquake.
UPA Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 16 16 01 06.9–1.9 7.20N–.07 82.37W–.03 5–11 100 1-5
UCR XII 16 16 01 07.1–.38 7.13N 82.49W 8–12 3.8W **¶626091421**
CATAC XII 16 16 01 09.0 7N–10 82W–10 2–6 4.0,4.0
UPA XII 16 16 01 09.2–1.2 7.16N 82.40W 29–9 4.0W,4.0
ISC Event type se.
UCR Event type se. Error ellipse: s-maj=7.4km s-min=16.5km az=-1.0. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. confirmed.
UPA Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=-1.0. Presumed earthquake.
ISC XII 24 01 05 37.0–3.1 5.62N–.03 78.64W–.04 9–21 92 1-10
CATAC XII 24 01 05 38.0–.27 6N–2.0 79W–3.0 10 3.9,3.8 **¶625158788**
RSNC XII 24 01 05 39.7–.60 6N–1.0 79W–1.0 28–5 5.3b,4.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 17 00 12 52.4–.31 4.91N–.03 82.59W–.04 12 4.8b,4.3s 541 3-157
IDC XII 17 00 12 50.9–.54 4.90N 82.60W 0 4.6,4.5b **¶621631488**
RSNC XII 17 00 12 51.5–.20 5N–1.0 83W–2.0 10 5.6b,5.2
UPA XII 17 00 12 52.1–1.6 5.01N 82.75W 10 5.0W,5.2
CATAC XII 17 00 12 52.4–.16 5N–1.0 83W–1.0 10 5.6b,5.3
GFZ XII 17 00 12 52.8–.14 5N–3.0 82W–5.0 10 5.7b,5.4L
NEIC XII 17 00 12 53.1–1.0 4.90N–.06 82.60W–.07 10–1 4.9b,5.4L
GFZ XII 17 00 12 53.3 4.97N 82.53W 15 5.1W,5.4L
UCR XII 17 00 12 53.0–1.2 5.19N 82.72W 3–36 5.2b,5.4L
NEIC XII 17 00 12 53.5 4.92N 82.59W 10 5.2b,5.4L
GCMT XII 17 00 12 56.9–.10 4.90N–.01 82.61W–.01 19–0 5.2W,5.4L
NEIC XII 17 00 12 59.4 4.92N 82.59W 12 5.1,5.4L
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=9.4km az=54.0.
UPA Event type se. Error ellipse: s-maj=5.0km s-min=5.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=3.5km s-min=2.1km az=46.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.57 $M_{\theta\theta}$1.15 $M_{\phi\phi}$-0.58 $M_{r\theta}$-0.74 $M_{\theta\phi}$-0.53 $M_{\phi r}$1.96 NP1:ϕ_s150.01192°,δ83.24598°,λ-63.65192°. NP2:ϕ_s253.36985°,δ27.13988°,λ-165.05942°. Principal axes: T 2.1724,Plg33.0992°,Azm218.0110°; N 0.3618,Plg26.1513°,Azm326.6783°; P -2.5342,Plg45.4315°,Azm86.5763° $M_0$2.37407×10^{17}
GFZ Error ellipse: s-maj=11.5km s-min=3.9km az=68.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.1km az=249.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.52 $M_{\theta\theta}$1.37 $M_{\phi\phi}$0.15 $M_{r\theta}$0.58 $M_{\theta\phi}$5.50 $M_{\phi r}$0.36 NP1:ϕ_s93.21329°,δ88.01157°,λ4.92537°. NP2:ϕ_s3.04196°,δ85.07760°,λ178.00420°. Principal axes: T 6.3460,Plg4.8881°,Azm318.2165°; N -1.5695,Plg84.6893°,Azm115.1448°; P -4.7766,Plg2.0711°,Azm228.0393° $M_0$5.72498×10^{16}
UCR Event type se. Error ellipse: s-maj=41.4km s-min=7.7km az=-1.0. Presumed earthquake.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112170012A. Moment Tensor Solution. s84,c120; s135,c246;Duration: 1ϑ0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.78±.15 $M_{\theta\theta}$0.99±.12; $M_{\phi\phi}$-0.21±.15; $M_{r\theta}$1.47±.28; $M_{\theta\phi}$8.17±.12; $M_{\phi r}$1.59±.31; Best double couple: NP1:ϕ_s93.00000°,δ80.00000°,λ8.00000°. NP2:ϕ_s1.00000°,δ82.00000°,λ170.00000°. Principal axes: T 9.0540,Plg12.0000°,Azm317.0000°; N -1.2450,Plg78.0000°,Azm144.0000°; P -7.8090,Plg1.0000°,Azm47.0000° $M_0$8.43100×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1ϑ9 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-0.85 $M_{r\theta}$0.99 $M_{\theta\phi}$5.76 $M_{\phi r}$1.87 NP1:ϕ_s95.81000°,δ72.35000°,λ5.77000°. NP2:ϕ_s4.06000°,δ84.51000°,λ162.27000°. Principal axes: T 6.5261,Plg16.0000°,Azm319.0000°; N -0.6820,Plg71.0000°,Azm167.0000°; P -5.8441,Plg8.0000°,Azm51.0000° $M_0$6.21000×10^{16}
ISC XII 24 21 58 15.6–1.9 7.31N–.07 82.29W–.04 5–10 4.5b 97 1-79
UPA XII 24 21 58 15.8–1.3 7.14N 82.37W 19–11 3.7W **¶621700106**
NEIC XII 24 21 58 20.0–1.5 7.86N–.09 82.1W–.10 10–1 4.9b
UCR XII 24 21 58 20.4–.97 7.61N 82.55W 0–133 3.8W
IDC XII 24 21 58 24.8–5.9 8.94N 81.99W 0 4.0L,3.6
ISC Event type se.
UPA Event type se. Error ellipse: s-maj=8.3km s-min=4.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=15.2km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Event type se. Error ellipse: s-maj=56.1km s-min=12.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=133.7km s-min=27.9km az=4.0.
UPA XII 30 12 09 32.4–1.1 5.44N 82.56W 66–14 4.4W
¶626674487
UPA Event type se. Error ellipse: s-maj=6.2km s-min=6.1km az=-1.0. Presumed earthquake.
ISC XII 29 05 22 04.2–3.5 7.13N–.09 82.35W–.04 1–24 68 1-5
CATAC XII 29 05 22 06.5–.58 7N–4.0 82W–2.0 1 3.6,3.6 **¶626091475**
UPA XII 29 05 22 07.0–1.1 7.08N 82.36W 21–16 3.9W,3.6
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.7km s-min=4.0km az=18.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
UPA Event type se. Error ellipse: s-maj=6.1km s-min=3.1km az=-1.0. Presumed earthquake.

SEISMIC REGION 7.
Caribbean Loop.

(85) Cuba region.
SSNC VII 01 03 23 04.1–.31 22.71N 83.10W 0 0.8,0.6L
¶625785302
SSNC Event type se. Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0. Presumed earthquake.
SSNC VII 01 05 26 21.9–1.7 22.62N 82.90W 0 0.5L
¶625785460
SSNC Event type se. Error ellipse: s-maj=12.4km s-min=8.2km az=-1.0. Presumed earthquake.
SSNC VII 01 07 50 19.8–.30 22.67N 83.05W 0 1.2,0.4L
¶625785583
SSNC Event type se. Error ellipse: s-maj=2.6km s-min=1.0km az=-1.0. Presumed earthquake.
SSNC VII 01 08 26 40.6–.30 19.85N 75.98W 0 1.2,0.0L
¶625785612
SSNC Event type se. Error ellipse: s-maj=2.0km s-min=3.7km az=-1.0. Presumed earthquake.
ISC VII 03 05 57 03.3–1.1 20.70N–.05 75.09W–.03 14–7 49 0-6
SSNC VII 03 05 57 05.5–.90 20.60N 75.00W 11–3 3.6,3.6W **¶625421561**
OSPL VII 03 05 57 05.1–2.1 20.66N 75.06W 0–10 3.9L,3.6W
JSN VII 03 05 57 07.4–1.8 20.47N 75.11W 15–30 3.9L,3.6W
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=2.8km s-min=3.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=10.5km s-min=7.0km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=21.6km s-min=51.4km az=-1.0. Presumed earthquake.
SSNC VII 03 05 58 51.5–.46 20.61N 74.98W 6–1 1.3L
¶626354949
SSNC Event type se. Error ellipse: s-maj=1.2km s-min=2.0km az=-1.0. Presumed earthquake.
SSNC VII 03 06 14 56.3–.50 20.61N 74.98W 10–2 1.1,0.3L
¶626354991
SSNC Event type se. Error ellipse: s-maj=1.8km s-min=2.2km az=-1.0. Presumed earthquake.
SSNC VII 03 07 25 37.5–1.2 20.64N 75.00W 12–7 1.5,0.2L
¶626355049
SSNC Event type se. Error ellipse: s-maj=5.6km s-min=5.7km az=-1.0. Presumed earthquake.
SSNC VII 03 23 13 52.5–.97 20.61N 74.98W 12–5 1.4
¶626355076
SSNC Event type se. Error ellipse: s-maj=4.6km s-min=8.6km az=-1.0. Presumed earthquake.
SSNC VII 07 13 50 05.5–.85 20.60N 75.02W 6–4 0.9L,0.8
¶626355181
SSNC Event type se. Error ellipse: s-maj=2.5km s-min=4.1km az=-1.0. Presumed earthquake.
ISC VII 12 01 13 47.2–.95 19.79N–.04 75.49W–.02 31–9 62 0-14
NEIC VII 12 01 13 48.4–1.6 19.99N–.03 75.55W–.01 10–1 3.7L **¶622450619**
JSN VII 12 01 13 48.3–1.7 19.85N 75.56W 25–17 4.0
SSNC VII 12 01 13 48.6–1.4 19.73N 75.44W 30–8 3.6L,3.6W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.1km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JSN Event type se. Error ellipse: s-maj=9.3km s-min=7.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=4.0km s-min=2.4km az=-1.0. Presumed earthquake.
SSNC VII 13 06 43 26.5–1.2 20.60N 74.99W 6–4 1.8W,1.3L
¶626355269
SSNC Event type se. Error ellipse: s-maj=2.8km s-min=4.1km az=-1.0. Presumed earthquake.
ISC VII 19 01 33 25.1–1.2 19.75N–.04 75.52W–.02 14–7 4.2b,3.4s 218 0-152
IDC VII 19 01 33 22.8–.72 19.65N 75.54W 0 3.8b,3.8 **¶620833499**
NEIC VII 19 01 33 26.0–1.4 19.77N–.07 75.51W–.07 10–1 4.2b,3.8
SSNC VII 19 01 33 26.6–1.4 19.69N 75.49W 18–5 4.1W,3.8L
OSPL VII 19 01 33 26.5–2.8 19.85N 75.60W 24–20 4.4L,3.8L
JSN VII 19 01 33 27.1–1.3 19.81N 75.58W 30–31 4.0,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=14.2km az=167.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.3km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=4.0km s-min=2.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=36.0km s-min=19.7km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=-1.0. Presumed earthquake.
ISC VII 31 14 57 40.4–.94 19.41N–.03 78.23W–.03 10 42 1-6
SSNC VII 31 14 57 43.8–3.9 19.42N 78.27W 36–145 3.4W,3.3 **¶625422284**
JSN VII 31 14 57 45.3–.99 19.40N 78.00W 16–14 3.5,3.3
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=11.9km s-min=5.2km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=4.0km s-min=8.7km az=-1.0. Presumed earthquake.
ISC VIII 15 16 40 20.0–1.5 19.02N–.08 80.77W–.06 35 17 0-4
JSN VIII 15 16 40 19.9–1.1 18.49N 80.81W 10–17 4.0 **¶625422673**
SSNC VIII 15 16 40 22.0–.35 19.06N 80.77W 28–5 3.3,2.6L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=13.2km s-min=8.8km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=2.3km s-min=1.3km az=-1.0. Presumed earthquake.
ISC VIII 14 00 47 11.4–1.2 19.70N–.03 75.48W–.03 17–10 43 0-5
JSN VIII 14 00 47 14.3–1.3 19.84N 75.54W 22–29 4.1 **¶625422654**
SSNC VIII 14 00 47 14.6–1.2 19.75N 75.43W 22–10 3.6W,3.5L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=8.3km s-min=17.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=4.8km s-min=2.5km az=-1.0. Presumed earthquake.
ISC VIII 11 07 53 58.4–1.1 19.88N–.04 76.97W–.04 33–7 31 0-3
SSNC VIII 11 07 53 59.4–1.6 19.81N 76.97W 6–9 3.3,3.3W **¶625422571**
JSN VIII 11 07 54 00.2–1.1 19.87N 76.94W 30–26 3.4,3.3W
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=3.8km s-min=3.2km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=5.9km s-min=14.1km az=-1.0. Presumed earthquake.
SSNC VIII 16 01 17 22.9–.00 20.03N 75.57W -2 0.9L
¶626353384
SSNC Event type se. Presumed earthquake.
ISC IX 26 11 41 20.9–.85 19.92N–.04 76.52W–.02 23–6 3.2b 68 0-152
IDC IX 26 11 41 17.4–1.4 19.78N 76.43W 0 3.7L,3.4 **¶621131507**
CATAC IX 26 11 41 19.0–.33 20N–6.0 76W–2.0 3–3 4.3,4.3
SSNC IX 26 11 41 21.8–1.1 19.86N 76.49W 16–3 4.4W,4.3
JSN IX 26 11 41 22.3–1.1 19.94N 76.57W 30–16 3.9,4.3
ISC Event type se.
IDC Error ellipse: s-maj=48.6km s-min=20.1km az=176.0.
CATAC Event type se. Error ellipse: s-maj=12.3km s-min=3.8km az=170.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SSNC Event type se. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=4.4km s-min=3.7km az=-1.0. Presumed earthquake.
ISC IX 06 10 56 19.5–1.0 19.87N–.03 76.49W–.03 32–11 37 0-3
JSN IX 06 10 56 21.5–2.0 19.87N 76.61W 32–999 3.4 **¶625423376**
SSNC IX 06 10 56 21.1–1.4 19.83N 76.49W 6–8 3.2,2.3L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=7.8km s-min=8.2km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=3.0km s-min=2.4km az=-1.0. Presumed earthquake.
ISC IX 03 18 21 44.4–1.5 19.48N–.04 78.21W–.03 26–16 33 1-4
SSNC IX 03 18 21 46.2–1.0 19.44N 78.18W 20–8 4.8W,4.5 **¶625423283**
JSN IX 03 18 21 48.4–1.1 19.45N 77.98W 16–16 4.2,4.5
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.5km s-min=1.8km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=4.5km s-min=8.8km az=-1.0. Presumed earthquake.
ISC IX 25 20 16 26.3–1.7 19.27N–.04 79.14W–.03 18–7 86 1-149
IDC IX 25 20 16 25.9–2.1 19.10N 79.22W 0 3.9L,3.7 **¶621131467**
CATAC IX 25 20 16 27.6–.47 19N–8.0 79W–2.0 39–12 4.5,4.5
SSNC IX 25 20 16 28.4–1.8 19.19N 79.15W 20–14 3.9L,3.9
RSNC IX 25 20 16 28.8–.60 19N–7.0 79W–4.0 89–20 5.3b,4.8
JSN IX 25 20 16 29.6–2.0 19.20N 79.04W 15–31 4.1,4.8
ISC Event type se.
IDC Error ellipse: s-maj=95.6km s-min=27.9km az=10.0.
CATAC Event type se. Error ellipse: s-maj=16.2km s-min=4.0km az=175.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SSNC Event type se. Error ellipse: s-maj=5.8km s-min=3.0km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=10.1km s-min=17.6km az=-1.0. Presumed earthquake.
SSNC VIII 31 03 34 11.2–3.6 19.89N 74.34W 1–16 1.7L
¶626354211
SSNC Event type se. Presumed earthquake.
SSNC IX 22 10 42 52.3–.36 19.85N 75.22W 15–2 2.3,0.7L
¶626358773
SSNC Event type se. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0. Presumed earthquake.
ISC XI 06 15 46 06.1–1.6 19.58N–.03 77.78W–.06 15–12 37 0-3
JSN XI 06 15 46 09.8–1.2 19.60N 77.80W 25–23 3.6 **¶625426748**
SSNC XI 06 15 46 09.7–1.3 19.57N 77.77W 12–6 3.2,3.2W
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=4.6km s-min=7.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=3.5km s-min=5.2km az=-1.0. Presumed earthquake.
ISC IX 26 15 15 22.4–1.0 19.88N–.03 75.92W–.02 29–11 54 0-5
CATAC IX 26 15 15 22.9–.59 20N–5.0 76W–2.0 33–9 4.8b,4.4 **¶625424011**
JSN IX 26 15 15 22.7–1.5 19.98N 76.03W 29–23 3.9,4.4
SSNC IX 26 15 15 23.3–1.4 19.84N 75.94W 15–6 4.1,3.9W
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.6km s-min=3.5km az=160.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
JSN Event type se. Error ellipse: s-maj=7.0km s-min=6.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0. Presumed earthquake.
ISC XI 07 15 09 36.2–1.5 19.52N–.03 78.08W–.03 13–12 30 1-4
SSNC XI 07 15 09 40.1–1.2 19.47N 78.10W 16–13 3.5,2.9L **¶625426935**
JSN XI 07 15 09 41.1–.58 19.54N 77.94W 30–999 4.0,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=3.4km s-min=2.8km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=11.5km s-min=11.3km az=-1.0. Presumed earthquake.
ISC XI 27 17 41 51.8–.85 19.95N–.03 76.24W–.02 31–6 66 0-152
CATAC XI 27 17 41 51.3–.32 20N–4.0 76W–1.0 24–2 3.8,3.8 **¶621625136**

JSN XI 27 17 41 52.6–1.3 20.00N 76.32W 28–21 4.0,3.8
SSNC XI 27 17 41 53.3–1.4 19.89N 76.20W 20–3 3.7,3.7W
IDC XI 27 17 41 54.8–9.2 20.33N 76.57W 0 3.1b,3.1
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.8km s-min=3.1km az=177.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
JSN Event type se. Error ellipse: s-maj=3.5km s-min=5.2km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=743.9km s-min=66.0km az=36.0.
ISC XII 26 07 40 54.9–.90 19.88N–.04 75.47W–.02 33–2 118 0-24
CATAC XII 26 07 40 53.4–.26 20N–5.0 75W–2.0 32–3 4.1,4.1 **¶622512405**
SSNC XII 26 07 40 54.8–2.2 19.78N 75.42W 38–10 4.0,3.9L
JSN XII 26 07 40 54.7–1.6 19.91N 75.51W 42–13 3.7,3.9L
NEIC XII 26 07 40 54.0–1.3 19.87N–.04 75.55W–.03 22–7 4.0b,3.9L
RSNC XII 26 07 40 55.1–.40 20N–5.0 75W–3.0 34–5 4.5,4.5b
OSPL XII 26 07 40 56.2–2.5 19.86N 75.51W 31–32 4.2L,4.5b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.4km s-min=3.1km az=176.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SSNC Event type se. Error ellipse: s-maj=6.9km s-min=3.7km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=8.4km s-min=7.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.1km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=32.0km s-min=18.1km az=-1.0. Presumed earthquake.
SSNC XII 17 06 51 48.6–.46 19.96N 76.23W 23–3 1.9,1.1L
¶626360480
SSNC Event type se. Error ellipse: s-maj=3.5km s-min=1.9km az=-1.0. Presumed earthquake.
ISC XII 26 16 00 47.9–1.2 19.85N–.04 75.46W–.03 29–13 36 0-3
JSN XII 26 16 00 48.9–1.4 19.92N 75.54W 41–21 3.2 **¶625428999**
SSNC XII 26 16 00 49.4–1.1 19.86N 75.45W 44–5 3.0,2.7L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=7.6km s-min=12.4km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=4.0km s-min=2.0km az=-1.0. Presumed earthquake.
ISC XII 30 01 47 55.6–1.3 19.38N–.03 78.42W–.02 19–4 51 1-4
CATAC XII 30 01 47 53.7–.37 19N–3.0 78W–1.0 4–4 3.5,3.5 **¶625429121**
SSNC XII 30 01 47 58.7–.92 19.42N 78.40W 25–7 3.5,2.8L
JSN XII 30 01 47 59.6–2.5 19.34N 78.40W 43–31 4.1,2.8L
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.3km s-min=3.2km az=175.2. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SSNC Event type se. Error ellipse: s-maj=4.0km s-min=1.7km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=11.0km s-min=16.8km az=-1.0. Presumed earthquake.

(86) Jamaica region.

ISC VII 01 10 19 33.2–1.3 18.52N–.04 76.35W–.05 14–11 31 1-3
JSN VII 01 10 19 35.7–1.1 18.48N 76.40W 9–11 2.4 **¶625421518**
SSNC VII 01 10 19 38.4–1.7 18.50N 76.44W 24–25 3.1,1.8L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=4.8km s-min=7.7km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=6.7km s-min=6.1km az=-1.0. Presumed earthquake.
ISC VII 04 00 39 23.7–1.2 18.27N–.06 76.52W–.07 20–4 22 0-3
JSN VII 04 00 39 25.0–.28 18.18N 76.53W 18–3 2.7 **¶625421576**
SSNC VII 04 00 39 25.0–1.3 18.13N 76.47W 25–10 3.1,1.9L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=6.2km s-min=2.8km az=-1.0. Presumed earthquake.
JSN VII 12 13 42 39.3–.83 18.25N 76.55W 0–30 2.1
SSNC VII 12 13 42 42.2–1.0 18.30N 76.57W 35 2.2L,2.2 **¶625421786**
JSN Event type ke. Error ellipse: s-maj=10.8km s-min=22.7km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=8.3km s-min=5.3km az=-1.0. Presumed earthquake.
ISC VII 19 08 42 49.3–1.4 18.30N–.06 76.38W–.05 12–12 34 0-4
JSN VII 19 08 42 48.8–.50 18.10N 76.32W 0–10 2.3 **¶625421964**
SSNC VII 19 08 42 50.2–1.3 18.21N 76.38W 8–9 3.6,1.8L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=6.6km s-min=6.9km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=5.4km s-min=4.1km az=-1.0. Presumed earthquake.
ISC VII 20 01 39 31.2–1.0 18.08N–.06 77.84W–.03 29–7 39 0-4
SSNC VII 20 01 39 33.3–.98 18.12N 77.83W 18–5 3.3,2.4L **¶625421997**
JSN VII 20 01 39 33.0–.93 18.01N 77.82W 18–2 2.8,2.4L
ISC Event type ke.
SSNC Event type se. Error ellipse: s-maj=6.1km s-min=2.2km az=-1.0. Presumed earthquake.
JSN Event type ke. Error ellipse: s-maj=3.1km s-min=4.0km az=-1.0. Confirmed Earthquake.
ISC VII 20 16 50 54.9–.96 18.48N–.04 77.11W–.03 32–10 29 0-3
JSN VII 20 16 50 56.3–.67 18.42N 77.08W 0–11 2.7 **¶625421998**
SSNC VII 20 16 50 57.0–.98 18.50N 77.17W 18–6 3.5,1.9L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=10.7km s-min=3.1km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=3.3km s-min=3.4km az=-1.0. Presumed earthquake.
ISC VII 27 03 14 44.8–1.2 18.16N–.07 76.52W–.06 10 21 0-3
JSN VII 27 03 14 47.2–.52 18.00N 76.62W 2–2 2.0 **¶625422174**
SSNC VII 27 03 14 48.1–1.1 18.20N 76.60W 2–8 3.0,1.4L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=2.4km s-min=4.1km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=17.6km s-min=9.9km az=-1.0. Presumed earthquake.
ISC VIII 16 00 49 53.8–2.1 18.19N–.07 78.0W–.10 3–17 16 0-3
JSN VIII 16 00 49 56.9–.64 18.14N 78.02W 17–2 2.8 **¶625422709**
SSNC VIII 16 00 50 00.3–1.3 18.23N 77.75W 35–10 2.9,1.9L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=8.2km s-min=18.2km az=-1.0. Presumed earthquake.
ISC VIII 13 10 36 14.7–1.6 18.31N–.06 77.07W–.04 18–6 18 0-3
JSN VIII 13 10 36 16.8–.35 18.19N 77.05W 25–7 2.6 **¶625422637**
SSNC VIII 13 10 36 17.4–.91 18.37N 77.08W 12–11 3.2,1.9L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=8.4km s-min=3.0km az=-1.0. Presumed earthquake.
ISC VII 27 08 08 06.8–3.5 17.9N–.10 78.4W–.10 13–17 29 1-4
SSNC VII 27 08 08 05.8–1.1 17.71N 78.58W 17–9 3.8,2.1L **¶625422175**
JSN VII 27 08 08 06.2–.98 17.60N 78.41W 0–10 3.4,2.1L
ISC Event type ke.
SSNC Event type se. Error ellipse: s-maj=8.9km s-min=7.1km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=8.2km s-min=7.6km az=-1.0. Presumed earthquake.
ISC VII 30 02 51 20.4–1.2 18.10N–.06 76.52W–.05 18 26 0-4
JSN VII 30 02 51 21.1–1.0 17.93N 76.50W 8–18 2.6 **¶625422269**
SSNC VII 30 02 51 23.0–1.9 18.19N 76.52W 8–16 2.8,2.0L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=12.2km s-min=8.2km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=8.3km s-min=7.0km az=-1.0. Presumed earthquake.
ISC VIII 06 04 24 52.5–1.3 18.26N–.07 77.84W–.05 33–5 19 0-3
JSN VIII 06 04 24 54.1–.45 18.28N 77.80W 15–5 2.5 **¶625422465**
SSNC VIII 06 04 24 54.4–2.2 18.23N 77.84W 35 3.2L,3.2
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=3.1km s-min=3.3km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=32.6km s-min=7.2km az=-1.0. Presumed earthquake.
ISC VIII 15 19 16 07.3–1.9 18.69N–.05 76.60W–.06 11–16 22 1-2
SSNC VIII 15 19 16 09.4–.31 18.72N 76.65W 3–4 3.0,1.8L **¶625422674**
JSN VIII 15 19 16 10.5–2.1 18.61N 76.62W 12–15 3.0,1.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=11.3km s-min=11.7km az=-1.0. Presumed earthquake.
ISC VIII 16 18 13 24.1–1.4 18.11N–.08 76.55W–.07 18 21 0-2
JSN VIII 16 18 13 25.5–.31 17.99N 76.53W 10–13 2.2 **¶625422718**
SSNC VIII 16 18 13 25.2–.00 18.09N 76.80W 104–10 2.5L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Presumed earthquake.
ISC VIII 31 16 20 50.2–1.3 18.05N–.06 77.73W–.06 25–8 24 0-4
JSN VIII 31 16 20 52.1–.39 18.03N 77.70W 9–2 2.9 **¶625423166**
SSNC VIII 31 16 20 52.3–.66 18.09N 77.72W 18–2 3.1,2.2L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=5.1km s-min=2.8km az=-1.0. Presumed earthquake.
ISC VIII 28 04 11 02.5–2.1 18.28N–.08 75.43W–.09 13–15 26 1-4
SSNC VIII 28 04 11 02.1–1.1 18.03N 75.36W 12–9 3.7,2.1L **¶625423083**
JSN VIII 28 04 11 04.5–2.3 18.37N 75.44W 0–23 3.4,2.1L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.8km s-min=8.8km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=25.7km s-min=26.2km az=-1.0. Presumed earthquake.
ISC VIII 16 17 27 33.2–1.2 17.94N–.09 77.51W–.05 28–11 31 0-3
JSN VIII 16 17 27 34.4–.66 17.84N 77.52W 19–3 3.9W,3.0 **¶625422717**
SSNC VIII 16 17 27 35.9–1.6 17.97N 77.46W 30–9 3.2,2.9L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=9.8km s-min=7.7km az=-1.0. Presumed earthquake.
JSN IX 04 01 33 28.4–1.4 18.02N 76.66W 10–13 1.7
¶625423308
JSN Event type ke. Error ellipse: s-maj=9.1km s-min=11.4km az=-1.0. Confirmed Earthquake.
ISC IX 01 08 00 59.1–1.4 18.18N–.08 76.64W–.09 24–10 20 0-3
JSN IX 01 08 01 02.9–.57 18.08N 76.73W 12–2 1.9 **¶625423201**
SSNC IX 01 08 01 03.5–1.9 18.37N 77.17W 14–18 2.8,1.0L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=14.2km s-min=19.8km az=-1.0. Presumed earthquake.
ISC IX 08 05 48 56.9–1.3 18.65N–.04 76.35W–.06 24–15 27 1-2
JSN IX 08 05 48 59.4–.39 18.57N 76.36W 17–2 2.9 **¶625423451**
SSNC IX 08 05 49 00.0–1.1 18.68N 76.39W 18–7 2.9,2.4W
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=3.4km s-min=4.0km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=4.0km s-min=3.6km az=-1.0. Presumed earthquake.
ISC IX 04 04 48 29.9–2.2 18.0N–.10 75.98W–.08 18–4 23 1-3
JSN IX 04 04 48 30.2–1.5 17.79N 76.02W 0–19 3.1 **¶625423309**
SSNC IX 04 04 48 33.1–.57 18.06N 75.94W 16–5 3.1,1.7L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=15.9km s-min=17.5km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=-1.0. Presumed earthquake.
ISC IX 11 07 24 00.3–2.9 18.24N–.08 78.2W–.10 11–11 17 1-3
SSNC IX 11 07 24 01.9–.53 18.17N 78.18W 4–4 3.1,1.3L **¶625423545**
JSN IX 11 07 24 02.4–1.0 18.04N 78.09W 0–11 3.0,1.3L
ISC Event type ke.
SSNC Event type se. Error ellipse: s-maj=9.3km s-min=4.3km az=-1.0. Presumed earthquake.
JSN Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=-1.0. Confirmed Earthquake.
ISC IX 11 11 56 07.3–1.6 18.12N–.07 75.99W–.06 7–11 35 1-4
JSN IX 11 11 56 10.8–1.1 18.06N 76.06W 4–12 3.4 **¶625423553**
SSNC IX 11 11 56 13.7–1.8 18.15N 76.12W 7–15 3.1,2.6L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=10.6km s-min=10.2km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=9.0km s-min=6.4km az=-1.0. Presumed earthquake.
ISC IX 11 10 48 09.4–1.5 18.24N–.06 76.09W–.05 11–12 34 1-5
JSN IX 11 10 48 11.5–.95 18.03N 76.12W 0–8 3.5 **¶625423547**
SSNC IX 11 10 48 14.2–1.8 18.21N 76.14W 7–15 3.5,2.9L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=7.9km s-min=4.2km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=7.3km s-min=6.3km az=-1.0. Presumed earthquake.
ISC IX 13 14 28 45.7–3.1 17.6N–.10 75.41W–.10 2–15 22 1-3
SSNC IX 13 14 28 47.2–1.5 17.42N 75.20W 12–13 3.5,2.4L **¶625423640**
JSN IX 13 14 28 49.9–2.4 17.60N 75.54W 0–22 3.6,2.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.9km s-min=11.6km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=24.3km s-min=13.6km az=-1.0. Presumed earthquake.
ISC IX 11 10 53 58.2–2.5 17.9N–.10 75.94W–.09 14–12 22 1-3
SSNC IX 11 10 53 58.5–.67 17.69N 75.79W 25–13 3.3,2.1L **¶625423548**
JSN IX 11 10 54 02.8–1.6 18.07N 76.12W 0–17 3.0,2.1L
ISC Event type ke.
SSNC Event type se. Error ellipse: s-maj=4.5km s-min=9.5km az=-1.0. Presumed earthquake.
JSN Event type ke. Error ellipse: s-maj=17.2km s-min=16.1km az=-1.0. Confirmed Earthquake.
ISC IX 11 11 14 52.5–1.4 18.25N–.05 76.16W–.06 7–11 32 1-3
SSNC IX 11 11 14 52.8–1.5 17.98N 76.31W 3–22 3.2,2.4L **¶625423549**
JSN IX 11 11 14 53.8–1.1 18.02N 76.11W 0–16 3.2,2.4L
ISC Event type ke.
SSNC Event type se. Error ellipse: s-maj=29.9km s-min=7.0km az=-1.0. Presumed earthquake.
JSN Event type ke. Error ellipse: s-maj=10.5km s-min=11.8km az=-1.0. Confirmed Earthquake.
ISC IX 13 11 57 04.6–3.6 18.36N–.07 77.9W–.20 25–16 16 0-2
SSNC IX 13 11 57 06.8–1.3 18.32N 77.89W 20–11 2.7,2.4L **¶625423639**
JSN IX 13 11 57 07.0–.47 18.26N 77.90W 13–9 2.8,2.4L
ISC Event type ke.
SSNC Event type se. Error ellipse: s-maj=6.6km s-min=13.4km az=-1.0. Presumed earthquake.
JSN Event type ke. Error ellipse: s-maj=3.0km s-min=1.4km az=-1.0. Confirmed Earthquake.
ISC IX 15 14 43 04.0–1.4 18.33N–.08 76.41W–.07 5–13 26 0-3
JSN IX 15 14 43 05.6–2.4 18.20N 76.37W 0–19 2.7 **¶625423705**
SSNC IX 15 14 43 07.5–1.7 18.37N 76.42W 0–10 3.0,2.0L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=14.3km s-min=11.5km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=10.7km s-min=6.7km az=-1.0. Presumed earthquake.
ISC IX 26 14 42 52.2–2.2 17.73N–.09 75.31W–.08 6–11 37 1-5
JSN IX 26 14 42 55.7–2.4 17.54N 75.41W 0–24 3.9 **¶625424010**
SSNC IX 26 14 42 57.4–1.7 17.57N 75.40W 7–13 3.8,2.8L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=32.0km s-min=23.4km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=8.1km s-min=7.2km az=-1.0. Presumed earthquake.
ISC X 03 23 33 14.6–2.0 17.87N–.08 75.40W–.07 12–11 34 1-5
JSN X 03 23 33 15.2–2.3 17.38N 75.50W 0–27 3.5 **¶625424243**
SSNC X 03 23 33 18.0–1.2 17.61N 75.49W 13–8 3.5,2.6L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=44.1km s-min=18.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=6.1km s-min=4.8km az=-1.0. Presumed earthquake.
ISC X 03 18 06 46.3–3.0 17.6N–.10 75.37W–.10 9–14 18 1-3
SSNC X 03 18 06 48.8–1.3 17.48N 75.18W 7–11 3.4,2.7L **¶625424241**
JSN X 03 18 06 50.1–2.3 17.48N 75.55W 0–33 3.2,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.7km s-min=11.2km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=35.0km s-min=11.4km az=-1.0. Presumed earthquake.
ISC IX 28 07 29 51.2–3.2 17.7N–.20 75.4W–.10 10 16 1-3
JSN IX 28 07 29 48.6–2.0 17.87N 74.85W 29–999 3.5 **¶625424082**
SSNC IX 28 07 29 59.1–.48 17.81N 76.11W 20–9 3.4,2.0L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=164.8km s-min=999.9km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=7.9km s-min=7.8km az=-1.0. Presumed earthquake.
ISC X 03 12 06 11.9–1.1 18.39N–.05 76.56W–.05 15–10 35 0-4
JSN X 03 12 06 13.0–.32 18.26N 76.45W 7–5 2.5 **¶625424240**
SSNC X 03 12 06 15.4–1.2 18.39N 76.57W 12–9 3.2,2.2L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=5.1km s-min=3.8km az=-1.0. Presumed earthquake.
ISC X 09 07 04 43.0–1.2 18.34N–.04 76.57W–.04 10–11 29 0-3
JSN X 09 07 04 47.3–1.0 18.25N 76.74W 13–7 2.4 **¶625424477**
SSNC X 09 07 04 48.6–.99 18.37N 76.76W 12–8 3.2,1.9L
ISC Event type ke.
JSN Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=3.9km s-min=3.8km az=-1.0. Presumed earthquake.
ISC X 12 06 19 09.6–1.6 18.13N–.08 76.51W–.07 17–9 25 0-3
SSNC X 12 06 19 12.8–2.1 18.14N 76.59W 11–16 3.9L,2.2 **¶625424620**
JSN X 12 06 19 13.2–1.1 18.12N 76.63W 0–9 2.1,2.2
ISC Event type ke.
SSNC Event type se. Error ellipse: s-maj=13.9km s-min=11.6km az=-1.0. Presumed earthquake.
JSN Event type ke. Error ellipse: s-maj=10.9km s-min=8.5km az=-1.0. Confirmed Earthquake.
ISC X 29 02 44 51.4–1.4 18.33N–.06 76.75W–.05 13–12 19 0-2
SSNC X 29 02 44 53.4–.96 18.32N 76.78W 6–8 3.4,1.7L **¶625425313**
JSN X 29 02 44 54.4–.75 18.16N 76.72W 18–3 2.2,1.7L

ISC Event type ke.
SSNC Event type se. Error ellipse: s-maj=7.4km s-min=4.6km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=7.2km s-min=5.0km az=-1.0. Confirmed Earthquake.
ISC X 25 09 15 20.4–1.2 18.39N–.05 77.85W–.05 28–11 16 0-3
JSN X 25 09 15 21.2–.32 18.13N 77.91W 18–2 2.7 **¶625425096**
SSNC X 25 09 15 22.1–1.4 18.37N 77.88W 10–14 2.9,1.4L
ISC Event type ke.
JSN Event type se. Error ellipse: s-maj=4.1km s-min=4.0km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=5.4km s-min=5.2km az=-1.0. Presumed earthquake.
ISC XI 08 04 56 51.4–1.5 18.30N–.06 76.50W–.08 11–11 24 0-3
JSN XI 08 04 56 54.8–.76 18.11N 76.51W 6–5 3.0 **¶625427060**
SSNC XI 08 04 56 56.9–1.0 18.33N 76.60W 10–10 3.5,1.8L
ISC Event type ke.
JSN Event type se. Error ellipse: s-maj=4.3km s-min=4.7km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=4.4km s-min=4.4km az=-1.0. Presumed earthquake.
ISC XII 09 16 14 52.2–1.1 18.00N–.06 76.91W–.04 24–9 42 0-5
JSN XII 09 16 14 52.4–1.2 17.86N 76.89W 20–4 3.5 **¶625428411**
SSNC XII 09 16 14 54.0–1.3 17.97N 76.93W 22–8 3.9,3.7W
ISC Event type ke.
JSN Event type se. Error ellipse: s-maj=5.0km s-min=4.0km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=-1.0. Presumed earthquake.
ISC XII 20 20 43 13.6–1.2 18.34N–.04 76.41W–.05 8–10 37 0-3
JSN XII 20 20 43 16.9–.77 18.13N 76.50W 0 3.2 **¶625428844**
SSNC XII 20 20 43 18.4–1.5 18.30N 76.51W 9–11 3.1,2.2L
ISC Event type ke.
JSN Event type se. Error ellipse: s-maj=3.8km s-min=4.6km az=-1.0. Confirmed Earthquake.
Moment Tension Solution. NP1:ϕ_s0.00000°,δ68.00000°,λ38.00000°.
SSNC Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=-1.0. Presumed earthquake.
ISC XII 20 04 22 42.1–2.5 17.96N–.10 77.8W–.10 24–12 16 0-3
JSN XII 20 04 22 42.8–.55 17.84N 77.84W 16–3 2.8 **¶625428843**
SSNC XII 20 04 22 43.9–1.4 17.98N 77.89W 30–13 3.8,2.7L
ISC Event type ke.
JSN Event type se. Error ellipse: s-maj=2.8km s-min=1.9km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=9.1km s-min=11.9km az=-1.0. Presumed earthquake.
ISC XII 16 06 17 01.3–1.4 18.28N–.09 76.48W–.08 11–14 19 0-2
JSN XII 16 06 17 05.4–.97 18.09N 76.57W 7–6 2.2 **¶625428698**
SSNC XII 16 06 17 06.7–.57 18.32N 76.59W 13–5 2.8,1.3L
ISC Event type ke.
JSN Event type se. Error ellipse: s-maj=4.2km s-min=6.2km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=2.9km s-min=3.4km az=-1.0. Presumed earthquake.
ISC XII 20 20 50 38.8–1.7 18.28N–.08 76.4W–.10 14–11 18 0-3
SSNC XII 20 20 50 43.4–1.2 18.27N 76.52W 5 2.8,2.1L **¶625428845**
JSN XII 20 20 50 43.0–1.4 18.08N 76.51W 0–7 2.7,2.1L
ISC Event type ke.
SSNC Event type se. Error ellipse: s-maj=8.3km s-min=7.6km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=15.9km s-min=7.5km az=-1.0. Confirmed Earthquake.
ISC XII 26 02 12 35.2–1.3 18.33N–.04 76.66W–.05 7–11 24 0-3
JSN XII 26 02 12 39.4–.38 18.13N 76.67W 16–2 2.3 **¶625428998**
SSNC XII 26 02 12 40.5–.78 18.30N 76.71W 7–7 2.8,1.6L
ISC Event type ke.
JSN Event type se. Error ellipse: s-maj=2.3km s-min=2.1km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0. Presumed earthquake.
ISC XII 28 13 31 25.1–1.9 18.14N–.09 76.43W–.08 11–11 23 0-3
JSN XII 28 13 31 27.3–1.5 18.20N 76.51W 0–43 2.1 **¶625429062**
SSNC XII 28 13 31 29.9–1.1 18.21N 76.56W 7–10 2.8,2.0L
ISC Event type ke.
JSN Event type se. Error ellipse: s-maj=12.5km s-min=35.5km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=-1.0. Presumed earthquake.
ISC XII 29 22 31 27.7–1.5 18.33N–.06 76.49W–.06 3–14 22 0-2
JSN XII 29 22 31 29.4–1.4 18.18N 76.50W 0–28 2.8 **¶625429084**
SSNC XII 29 22 31 30.9–2.0 18.28N 76.50W 11–17 3.5,1.5L
ISC Event type ke.
JSN Event type se. Error ellipse: s-maj=12.5km s-min=20.1km az=-1.0. Confirmed Earthquake.
SSNC Event type se. Error ellipse: s-maj=14.7km s-min=9.9km az=-1.0. Presumed earthquake.

(87) Haiti region.

ISC VII 04 01 06 12.5–1.6 19.5N–.20 73.08W–.06 35 13 1-3
SSNC VII 04 01 06 11.0–.99 20.22N 72.86W 18–10 3.0,2.9L **¶625914671**
OSPL VII 04 01 06 15.1–.61 19.69N 72.84W 0–10 2.3L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=20.3km s-min=6.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=75.1km s-min=9.3km az=-1.0. Presumed earthquake.
ISC VII 04 04 22 50.0–2.7 18.3N–.10 72.52W–.05 12–16 19 1-4
SSNC VII 04 04 22 49.7–1.6 18.63N 72.06W 16–15 3.4 **¶625914673**
OSPL VII 04 04 22 52.3–1.3 18.24N 72.52W 0–17 2.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=38.1km s-min=23.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=6.1km s-min=8.4km az=-1.0. Presumed earthquake.
ISC VII 09 06 33 26.4–2.9 18.55N–.07 73.42W–.04 7–17 30 2-3
OSPL VII 09 06 33 27.1–1.7 18.47N 73.51W 3–20 2.9L **¶625914700**
SSNC VII 09 06 33 28.2–1.5 18.40N 73.51W 7 3.6,2.5L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=9.3km s-min=13.4km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=11.5km s-min=9.1km az=-1.0. Presumed earthquake.
ISC VII 23 23 50 23.5–1.4 18.51N–.07 73.63W–.03 21–5 65 1-5
SSNC VII 23 23 50 24.0–6.2 18.31N 73.51W 66–188 3.3,3.2W **¶626355366**
OSPL VII 23 23 50 26.5–2.2 18.76N 73.56W 0–10 3.2L,3.2W
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=49.4km s-min=34.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=9.8km s-min=6.4km az=-1.0. Presumed earthquake.
ISC VII 31 16 08 26.0–1.7 19.6N–.10 72.84W–.04 29–18 25 1-3
SSNC VII 31 16 08 26.7–1.9 19.42N 72.91W 5–12 3.0,2.2L **¶625903322**
OSPL VII 31 16 08 29.0–1.8 19.68N 72.78W 31–17 2.4L,2.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=20.2km s-min=8.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=16.5km s-min=6.3km az=-1.0. Presumed earthquake.
ISC VII 31 10 05 15.2–1.3 19.3N–.20 72.81W–.09 35 13 1-3
SSNC VII 31 10 05 12.5–.96 20.00N 72.51W 112–21 3.1,1.9L **¶625903319**
OSPL VII 31 10 05 15.4–1.5 19.03N 72.93W 22–26 2.3L,1.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=31.3km s-min=10.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=10.5km s-min=9.3km az=-1.0. Presumed earthquake.
ISC VIII 14 11 06 33.5–3.2 19.6N–.20 73.34W–.04 2–27 23 1-4
OSPL VIII 14 11 06 35.5–1.1 19.95N 73.60W 31–461 2.9L **¶625903623**
SSNC VIII 14 11 06 37.0–1.5 19.65N 73.26W 13–11 3.6,3.0L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=82.2km s-min=258.1km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=16.9km s-min=11.4km az=-1.0. Presumed earthquake.
ISC VIII 11 20 59 57.4–1.6 19.8N–.20 72.60W–.07 18–10 19 1-3
SSNC VIII 11 20 59 59.2–.38 19.76N 72.60W 7–9 3.2 **¶625903562**
OSPL VIII 11 20 59 59.1–.97 19.78N 72.63W 18–5 2.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.1km s-min=5.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=8.6km s-min=6.1km az=-1.0. Presumed earthquake.
SSNC VIII 12 15 15 05.8–3.8 20.21N 73.48W 10 2.5,2.4W
¶626353297
SSNC Event type se. Error ellipse: s-maj=33.0km s-min=27.2km az=-1.0. Presumed earthquake.
ISC VIII 14 12 29 09.0–.39 18.34N–.02 73.55W–.02 11–2 7.4s,6.7b 2330 1-172
MOS VIII 14 12 29 07.8–1.1 18.37N 73.56W 11 7.2s,6.7b **¶620986707**
IDC VIII 14 12 29 07.5–.28 18.35N 73.46W 0 7.1s,5.5b
NEIC VIII 14 12 29 08.5–1.5 18.43N–.04 73.48W–.04 10–1 7.4,6.8b
PTWC VIII 14 12 29 08 18.60N 73.50W 10 7.0,6.8b
JSN VIII 14 12 29 08.9–2.0 18.82N 73.47W 0–15 7.3W,6.8b
BJI VIII 14 12 29 09.9 18.40N 73.30W 10 7.8s,7.8b
GFZ VIII 14 12 29 09.8–.08 18N–1.0 73W–1.0 10 7.5,7.4b
NEIC VIII 14 12 29 09.4 18.35N 73.48W 10 7.5,7.4b
UPA VIII 14 12 29 09.4–4.9 18.41N 73.48W 10 6.9W,7.4b
OSUNB VIII 14 12 29 09.1–.32 18.36N 73.59W 14–1 7.3W,7.4b
CATAC VIII 14 12 29 10.9–.28 19N–5.0 73W–2.0 10 7.7,7.6b
GFZ VIII 14 12 29 10.1 18.33N 73.45W 15 7.1W,7.6b
OSPL VIII 14 12 29 10.2–1.9 18.40N 73.54W 8 6.6L,7.6b
SSNC VIII 14 12 29 13.0–13 18.69N 73.76W 4–62 7.4s,7.3W
BGR VIII 14 12 29 19.2 18.71N 72.40W 33 7.3s,6.2b
GCMT VIII 14 12 29 20.0–.10 18.50N 73.64W 12 7.1W,6.2b
NEIC VIII 14 12 29 34.5 18.55N 73.59W 16 7.2,6.2b
ISC Event type ke.
MOS Error ellipse: s-maj=5.5km s-min=3.8km az=76.0. Moment Tensor Solution.
IDC Error ellipse: s-maj=8.7km s-min=8.0km az=92.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=2.8km az=215.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PTWC HAITI REGION.
JSN Event type se. Error ellipse: s-maj=25.7km s-min=10.0km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
UPA Event type se. Error ellipse: s-maj=39.1km s-min=54.6km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=2.1km s-min=2.9km az=0.0.
CATAC Event type se. Error ellipse: s-maj=11.8km s-min=3.7km az=17.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}4.41 $M_{\theta\theta}$-4.69 $M_{\phi\phi}$0.28 $M_{r\theta}$-1.71 $M_{\theta\phi}$4.02 $M_{\phi r}$-2.18 NP1:ϕ_s149.38945° ,δ52.78377°,λ136.58232°. NP2:ϕ_s269.17229°,δ56.81483°,λ46.27712°. Principal axes: T 6.3686,Plg54.5585°,Azm121.7323°; N 0.5792,Plg35.3413°,Azm296.8032° ; P -6.9478,Plg2.3293°,Azm28.4561° $M_0$6.67707×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}3.37 $M_{\theta\theta}$-4.03 $M_{\phi\phi}$0.66 $M_{r\theta}$-1.23 $M_{\theta\phi}$3.17 $M_{\phi r}$-2.69 NP1: ϕ_s149.35257°,δ57.76451°,λ139.04300°. NP2:ϕ_s264.19555°,δ56.32669°,λ39.86213°. Principal axes: T 5.8222,Plg50.2849°,Azm116.0447°; N -0.1885,Plg39.7022°,Azm297.7803° ; P -5.6337,Plg0.8531°,Azm207.0719° $M_0$5.73029×10^{19}
OSPL Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=52.8km s-min=24.4km az=-1.0. Presumed earthquake.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108141229A. Moment Tensor Solution. s161,c411; s175,c866;Duration: 9s0 Moment tensor: Scale 10^{19}Nm; M_{rr}3.59±.02 $M_{\theta\theta}$-4.13±.01; $M_{\phi\phi}$0.54±.02; $M_{r\theta}$-2.35±.10; $M_{\theta\phi}$4.08±.01; $M_{\phi r}$-1.70±.10; Best double couple: NP1:ϕ_s154.00000°,δ52.00000°,λ145.00000°. NP2:ϕ_s267.00000°,δ63.00000°,λ44.00000°. Principal axes: T 5.9850,Plg49.0000°,Azm126.0000°; N 0.6640,Plg40.0000°,Azm292.0000° ; P -6.6410,Plg7.0000°,Azm28.0000° $M_0$6.31300×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 32s0 Moment tensor: Scale 10^{19}Nm; M_{rr}4.10 $M_{\theta\theta}$-4.73 $M_{\phi\phi}$0.64 $M_{r\theta}$-0.73 $M_{\theta\phi}$4.38 $M_{\phi r}$-4.27 NP1:ϕ_s266.08000°,δ50.61000° ,λ33.80000°. NP2:ϕ_s153.06000°,δ64.53000°,λ135.34000°. Principal axes: T 7.7868,Plg49.0000°,Azm113.0000°; N -0.3923,Plg40.0000°,Azm310.0000° ; P -7.3945,Plg8.0000°,Azm213.0000° $M_0$7.60000×10^{19}
ISC VIII 14 16 41 33.1–.94 18.45N–.08 73.51W–.06 10 26 2-14
RSNC VIII 14 16 41 33.7–1.9 18N–17 74W–15 0 5.5b,5.0 **¶626345239**
SSNC VIII 14 16 41 34.0–1.3 18.46N 73.46W 3 3.6L,3.4W
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=12.5km s-min=16.0km az=-1.0. Presumed earthquake.
ISC VIII 14 15 17 52.6–1.7 18.56N–.08 73.70W–.05 6–13 26 1-11
OSPL VIII 14 15 17 56.0–2.5 18.39N 73.69W 0–10 3.5L **¶625172019**
RSNC VIII 14 15 17 57.3–.50 18N–5.0 74W–4.0 10 5.7b,5.2
ISC Event type se.
OSPL Event type se. Presumed earthquake.
ISC VIII 14 12 45 07.6–1.6 18.51N–.05 73.76W–.04 5–10 4.0b 111 2-154
IDC VIII 14 12 45 07.3–.70 18.46N 73.61W 0 4.1,4.0b **¶621013491**
NEIC VIII 14 12 45 08.1–1.1 18.56N–.07 73.75W–.06 13–7 4.0b,4.0b
RSNC VIII 14 12 45 10.0–.60 18N–5.0 74W–5.0 0 8.5,8.0
SSNC VIII 14 12 45 12.5–2.7 18.50N 73.62W 20–21 4.1L,3.2
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=17.2km az=12.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.7km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=27.7km s-min=29.0km az=-1.0. Presumed earthquake.
ISC VIII 14 12 49 33.1–.70 18.49N–.04 73.75W–.04 8–4 4.7b 229 1-154
OSPL VIII 14 12 49 29.9–1.8 18.39N 73.98W 6–15 5.1L **¶620986709**
IDC VIII 14 12 49 32.8–.45 18.77N 73.41W 0 4.2L,4.2
NEIC VIII 14 12 49 33.1–1.4 18.46N–.05 73.73W–.03 13–4 5.1b,4.2
SSNC VIII 14 12 49 34.9–.95 18.45N 73.75W 3 4.4L,4.1W
GFZ VIII 14 12 49 39.0–.19 19N–3.0 74W–3.0 10 6.9,5.3b
ISC Event type se.
OSPL Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 14 13 45 44.6–1.2 18.44N–.08 73.61W–.05 10 21 2-3
OSPL VIII 14 13 45 46.1–1.7 18.36N 73.85W 26–8 3.9L **¶625903626**
SSNC VIII 14 13 45 52.4–.58 18.30N 73.75W 5 3.5L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=7.6km s-min=10.6km az=-1.0. Confirmed Rockburst.
SSNC Event type se. Error ellipse: s-maj=8.0km s-min=9.3km az=-1.0. Presumed earthquake.
ISC VIII 14 16 44 20.1–.50 18.65N–.06 73.47W–.04 10 4.2b 61 2-154
IDC VIII 14 16 44 19.1–.72 18.49N 73.52W 0 3.9,3.8b **¶621013525**
NEIC VIII 14 16 44 20.6–1.7 18.45N–.05 73.60W–.03 10–2 4.3b,3.8b
SSNC VIII 14 16 44 21.2–.79 18.82N 73.32W 3 3.8L,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=12.9km az=7.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.0km az=155.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=23.1km s-min=13.9km az=-1.0. Presumed earthquake.
ISC VIII 14 17 05 18.0–.78 18.40N–.03 73.60W–.02 8–4 5.2b,4.5s 802 1-154
IDC VIII 14 17 05 17.5–.37 18.43N 73.48W 0 4.8b,4.8 **¶620986689**
CATAC VIII 14 17 05 17.1–.59 18N–2.0 74W–2.0 6–4 5.7b,5.7b
MOS VIII 14 17 05 17.7–.89 18.44N 73.61W 9 5.3b,5.7b
JSN VIII 14 17 05 17.3–2.5 17.67N 73.43W 0–45 5.0,5.7b
SSNC VIII 14 17 05 17.4–1.1 18.50N 73.35W 3 4.8L,4.7W
NEIC VIII 14 17 05 18.8 18.47N 73.61W 5 4.8L,4.7W
NEIC VIII 14 17 05 19.0–1.4 18.43N–.08 73.60W–.03 10–3 5.2b,4.9
BGR VIII 14 17 05 19.7 17.97N 73.93W 33 4.8b,4.9
OSPL VIII 14 17 05 19.5–2.0 18.40N 73.58W 5–8 5.2L,4.9
GFZ VIII 14 17 05 20.2–.09 18N–2.0 74W–2.0 10 5.0b,5.0
ISC Event type ke.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.69 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-1.25 $M_{r\theta}$0.34 $M_{\theta\phi}$1.77 $M_{\phi r}$0.01 NP1:ϕ_s124.66688° ,δ50.36940°,λ66.19379°. NP2:ϕ_s339.33796°,δ45.19927°,λ115.98424°. Principal axes: T 1.7923,Plg71.6727°,Azm329.4782°; N 0.8776,Plg18.1120°,Azm140.3836° ; P -2.6699,Plg2.7077°,Azm231.2699° $M_0$2.35700×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.68 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-1.25 $M_{r\theta}$0.36 $M_{\theta\phi}$1.78 $M_{\phi r}$-0.07 NP1: ϕ_s125.91894°,δ50.94469°,λ68.21209°. NP2:ϕ_s338.31064°,δ43.85749°,λ114.58198°. Principal axes: T 1.7754,Plg72.8231°,Azm333.2069°; N 0.9081,Plg16.7520°,Azm140.0552° ; P -2.6835,Plg3.6891°,Azm231.1673° $M_0$2.36407×10^{16}
JSN Event type se. Presumed earthquake.
SSNC Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.57 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-1.11 $M_{r\theta}$1.55 $M_{\theta\phi}$1.75 $M_{\phi r}$-0.65 NP1:ϕ_s116.81000°,δ67.80000°,λ62.91000°. NP2:ϕ_s350.36000°,δ34.48000° ,λ138.14000°. Principal axes: T 2.4346,Plg58.0000°,Azm349.0000°; N 0.6312,Plg25.0000° ,Azm128.0000°; P -3.0658,Plg18.0000°,Azm227.0000° $M_0$2.80000×10^{16}
BGR Event type ke.
OSPL Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 14 13 52 28.0–.68 18.42N–.09 73.64W–.06 35 4.1b 36 2-154

IDC VIII 14 13 52 22.0–1.3 18.06N 73.62W 0 3.8,3.7b **¶621013500**
NEIC VIII 14 13 52 25.5–2.0 18.46N–.07 73.61W–.04 10–1 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 12 56 55.7–1.8 18.29N–.05 73.71W–.05 6–13 4.0b 59 2-154
IDC VIII 14 12 56 55.1–.79 18.00N 73.24W 0 3.9,3.8b **¶621013493**
NEIC VIII 14 12 56 56.5–1.0 18.26N–.07 73.69W–.03 13–6 4.1b,3.8b
OSPL VIII 14 12 56 58.8–1.5 18.29N 73.88W 0–13 4.3L,3.8b
SSNC VIII 14 12 56 59.2–1.5 18.46N 73.71W 3 4.2L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=19.0km az=45.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=2.0km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=20.6km s-min=11.5km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=10.8km s-min=20.7km az=-1.0. Presumed earthquake.
SSNC VIII 14 17 24 38.9–1.4 18.62N 73.73W 3 3.7W,3.3L
¶626353319
SSNC Event type se. Error ellipse: s-maj=12.3km s-min=13.6km az=-1.0. Presumed earthquake.
ISC VIII 14 14 02 34.7–.52 18.55N–.06 73.57W–.05 10 4.1b 62 1-154
IDC VIII 14 14 02 33.2–.69 18.82N 73.44W 0 3.9,3.8b **¶621013502**
NEIC VIII 14 14 02 35.4–1.5 18.45N–.08 73.61W–.06 10–2 4.2b,3.8b
OSPL VIII 14 14 02 54.3–2.7 18.71N 72.38W 16–16 3.8L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=16.1km az=179.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.4km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=11.7km s-min=12.9km az=-1.0. Confirmed Rockburst.
ISC VIII 14 14 03 13.5–.42 18.51N–.06 73.58W–.04 10 4.2b 71 1-154
IDC VIII 14 14 03 12.0–.52 18.56N 73.50W 0 4.0b,4.0 **¶621013505**
NEIC VIII 14 14 03 13.9–1.4 18.51N–.08 73.58W–.05 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 15 55 37.0–2.1 18.45N–.05 73.66W–.04 15–16 35 1-13
RSNC VIII 14 15 55 38.1–.40 18N–3.0 74W–3.0 10 4.5,4.5b **¶626345238**
SSNC VIII 14 15 55 42.4–1.5 18.71N 73.57W 18–32 3.4L,4.5b
OSPL VIII 14 15 56 12.3–66 19.06N 71.53W 0–393 2.5L,4.5b
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=20.6km s-min=9.8km az=-1.0. Presumed earthquake.
OSPL Error ellipse: s-maj=114.4km s-min=194.0km az=-1.0.
ISC VIII 14 17 43 27.1–1.0 18.55N–.07 73.65W–.07 10 24 2-13
RSNC VIII 14 17 43 24.5–2.2 19N–18 74W–10 0 5.0b,4.4 **¶626345241**
SSNC VIII 14 17 43 26.7–1.2 18.35N 73.65W 2 3.3L,3.0W
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=15.8km s-min=12.7km az=-1.0. Presumed earthquake.
ISC VIII 14 18 11 10.1–.62 18.46N–.03 73.65W–.02 8–3 5.1b,4.7s 767 1-154
IDC VIII 14 18 11 09.2–.40 18.46N 73.53W 0 4.7s,4.6b **¶620986725**
NEIC VIII 14 18 11 10.4–1.4 18.59N–.06 73.62W–.05 9–4 5.2,5.1b
JSN VIII 14 18 11 11.6–1.7 18.58N 73.59W 0–13 5.1,5.1b
NEIC VIII 14 18 11 11.1 18.60N 73.62W 12 5.1,5.1b
PTWC VIII 14 18 11 11 18.60N 73.60W 10 5.5,5.1b
CATAC VIII 14 18 11 12.9–.76 18N–2.0 74W–1.0 27–7 6.0b,5.9
GFZ VIII 14 18 11 12.9–.09 19N–2.0 73W–2.0 10 5.2,5.1b
OSPL VIII 14 18 11 12.1–1.8 18.52N 73.63W 0–8 5.4L,5.1b
SSNC VIII 14 18 11 13.4–1.5 18.57N 73.63W 3 5.7b,5.0W
BGR VIII 14 18 11 14.6 18.05N 73.17W 33 5.2b,5.0s
GCMT VIII 14 18 11 17.5–.30 18.44N–.02 73.58W–.02 20–2 5.3W,5.0s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.19 $M_{\theta\theta}$-3.97 $M_{\phi\phi}$3.78 $M_{r\theta}$-0.66 $M_{\theta\phi}$5.45 $M_{\phi r}$4.49 NP1:ϕ_s73.93000°,δ56.48000°,λ3.84000°. NP2:ϕ_s341.80000°,δ86.80000°,λ146.42000°. Principal axes: T 8.3584,Plg25.0000°,Azm293.0000°; N -0.5793,Plg56.0000°,Azm157.0000°; P -7.7791,Plg21.0000°,Azm33.0000° M_o8.08000×10^{16}
JSN Event type se. Presumed earthquake.
NEIC Event type se.
PTWC HAITI REGION.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.39 $M_{\theta\theta}$-0.91 $M_{\phi\phi}$0.52 $M_{r\theta}$0.04 $M_{\theta\phi}$1.08 $M_{\phi r}$0.49 NP1:ϕ_s340.20809°,δ76.57110°,λ156.76778°. NP2:ϕ_s75.90122°,δ67.43857°,λ14.56541°. Principal axes: T 1.3210,Plg25.8181°,Azm296.4132°; N 0.1911,Plg63.3534°,Azm131.7941°; P -1.5121,Plg6.1471°,Azm29.4000° M_o1.42620×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.29 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$0.55 $M_{r\theta}$0.03 $M_{\theta\phi}$1.06 $M_{\phi r}$0.50 NP1:ϕ_s340.85480°,δ78.68355°,λ157.31846°. NP2:ϕ_s75.54311°,δ67.78322°,λ12.23746°. Principal axes: T 1.3265,Plg23.9613°,Azm296.4119°; N 0.1176,Plg64.7862°,Azm135.7037°; P -1.4441,Plg7.3894°,Azm29.7161° M_o1.38903×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$0.50 $M_{r\theta}$0.01 $M_{\theta\phi}$1.01 $M_{\phi r}$0.52 NP1:ϕ_s341.47574°,δ79.54787°,λ155.35573°. NP2:ϕ_s76.23335°,δ65.79114°,λ11.47302°. Principal axes: T 1.2773,Plg24.7234°,Azm296.5121°; N 0.0820,Plg63.3589°,Azm139.9002°; P -1.3593,Plg9.3044°,Azm30.8385° M_o1.32021×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.28 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$0.49 $M_{r\theta}$0.04 $M_{\theta\phi}$1.07 $M_{\phi r}$0.51 NP1:ϕ_s342.00578°,δ78.51953°,λ156.59364°. NP2:ϕ_s76.92999°,δ67.08894°,λ12.47892°. Principal axes: T 1.3140,Plg24.5833°,Azm297.5345°; N 0.0990,Plg64.0727°,Azm137.3128°; P -1.4130,Plg7.7320°,Azm31.0957° M_o1.36619×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.11 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$0.43 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.90 $M_{\phi r}$0.50 NP1:ϕ_s344.77304°,δ87.01520°,λ152.66094°. NP2:ϕ_s76.31511°,δ62.70112°,λ3.35930°. Principal axes: T 1.1087,Plg21.1691°,Azm297.1170°; N 0.0812,Plg62.5110°,Azm159.0218°; P -1.1899,Plg16.7073°,Azm33.7919° M_o1.15146×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.11 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$0.44 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.88 $M_{\phi r}$0.48 NP1:ϕ_s344.32627°,δ87.59540°,λ153.17065°. NP2:ϕ_s75.54192°,δ63.19617°,λ2.69426°. Principal axes: T 1.0858,Plg20.3973°,Azm296.6409°; N 0.0932,Plg63.0711°,Azm159.5843°; P -1.1790,Plg16.8097°,Azm33.0908° M_o1.13528×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.08 $M_{\theta\theta}$-3.80 $M_{\phi\phi}$3.71 $M_{r\theta}$-2.11 $M_{\theta\phi}$6.89 $M_{\phi r}$4.80 NP1:ϕ_s165.70503°,δ87.91588°,λ-146.81321°. NP2:ϕ_s74.34246°,δ56.83799°,λ-2.48985°. Principal axes: T 8.9946,Plg21.1664°,Azm295.0941°; N 0.8364,Plg56.7553°,Azm168.8875°; P -9.8310,Plg24.3625°,Azm35.1923° M_o9.44062×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35 $M_{\theta\theta}$-3.65 $M_{\phi\phi}$4.00 $M_{r\theta}$-2.14 $M_{\theta\phi}$6.73 $M_{\phi r}$4.30 NP1:ϕ_s166.08229°,δ85.49525°,λ-148.94459°. NP2:ϕ_s73.37444°,δ59.05112°,λ-5.25454°. Principal axes: T 8.7715,Plg17.9453°,Azm295.6309°; N 0.6469,Plg58.6519°,Azm173.5134°; P -9.4184,Plg24.7830°,Azm34.2306° M_o9.11220×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.03 $M_{\theta\theta}$-3.70 $M_{\phi\phi}$3.67 $M_{r\theta}$-1.92 $M_{\theta\phi}$6.75 $M_{\phi r}$4.25 NP1:ϕ_s165.94364°,δ87.38044°,λ-149.39216°. NP2:ϕ_s74.39487°,δ59.42758°,λ-3.04288°. Principal axes: T 8.6080,Plg19.1072°,Azm296.0397°; N 0.7303,Plg59.2911°,Azm170.3614°; P -9.3383,Plg23.0772°,Azm34.5274° M_o8.99542×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21 $M_{\theta\theta}$-3.77 $M_{\phi\phi}$3.98 $M_{r\theta}$-2.12 $M_{\theta\phi}$6.63 $M_{\phi r}$4.43 NP1:ϕ_s165.44718°,δ86.41756°,λ-148.06402°. NP2:ϕ_s73.21677°,δ58.13378°,λ-4.21926°. Principal axes: T 8.7534,Plg19.2157°,Azm294.9031°; N 0.6758,Plg57.8849°,Azm171.1717°; P -9.4292,Plg24.6763°,Azm34.1180° M_o9.11013×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
OSPL Event type se. Presumed earthquake.
SSNC Event type se. Presumed earthquake.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108141811A. Moment Tensor Solution. s8,c8; s107,c166; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.14±.07 $M_{\theta\theta}$-0.64±.05; $M_{\phi\phi}$0.50±.04; $M_{r\theta}$-0.15±.10; $M_{\theta\phi}$0.86±.04; $M_{\phi r}$0.83±.14; Best double couple: NP1:ϕ_s76.00000°,δ51.00000°,λ7.00000°. NP2:ϕ_s341.00000°,δ85.00000°,λ141.00000°. Principal axes: T 1.3560,Plg31.0000°,Azm291.0000°; N -0.0350,Plg50.0000°,Azm155.0000°; P -1.3200,Plg22.0000°,Azm35.0000° M_o1.33800×10^{17}
ISC VIII 14 16 08 02.9–.81 18.47N–.03 73.78W–.02 14–5 5.0b 546 1-154
IDC VIII 14 16 08 00.9–.37 18.42N 73.66W 0 4.6b,4.6 **¶620986720**
SSNC VIII 14 16 08 01.0–1.3 18.61N 73.55W 3–69 4.9L,4.8W
NEIC VIII 14 16 08 02.1 18.54N 73.72W 1 4.9L,4.8W
NEIC VIII 14 16 08 03.1–1.9 18.50N–.07 73.71W–.06 10–1 5.0b,4.7
GFZ VIII 14 16 08 03.5–.11 18N–2.0 74W–2.0 10 5.3,4.9b
JSN VIII 14 16 08 04.1–1.4 18.89N 73.81W 1–11 4.6,4.9b
CATAC VIII 14 16 08 04.5–.46 19N–5.0 74W–2.0 10 5.2,5.2
OSPL VIII 14 16 08 04.8–1.4 18.52N 73.74W 5 4.8L,5.2
BGR VIII 14 16 08 06.8 18.63N 73.84W 33 5.0b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=10.2km s-min=9.6km az=47.0.
SSNC Event type se. Error ellipse: s-maj=27.3km s-min=103.8km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.7km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.88 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$0.01 $M_{r\theta}$1.08 $M_{\theta\phi}$-0.39 $M_{\phi r}$-0.13 NP1:ϕ_s228.61000°,δ25.41000°,λ51.58000°. NP2:ϕ_s89.90000°,δ70.35000°,λ106.45000°. Principal axes: T 1.4487,Plg61.0000°,Azm24.0000°; N 0.0092,Plg15.0000°,Azm264.0000°; P -1.4579,Plg24.0000°,Azm167.0000° M_o1.45000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JSN Event type se. Error ellipse: s-maj=9.4km s-min=6.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=11.4km s-min=3.5km az=15.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
OSPL Event type se. Error ellipse: s-maj=7.3km s-min=4.5km az=-1.0. Presumed earthquake.
BGR Event type ke.
ISC VIII 14 13 14 10.4–.65 18.54N–.06 73.29W–.04 10 45 1-69
SSNC VIII 14 13 14 10.0–1.1 18.49N 73.15W 7–10 4.2L **¶621013495**
NEIC VIII 14 13 14 12.8–1.4 18.45N–.06 73.46W–.05 10–1 4.1b
ISC Event type se.
SSNC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 13 14 58.1–.60 18.33N–.06 73.25W–.05 10 4.3b 83 1-154
IDC VIII 14 13 14 53.0–.54 18.36N 73.44W 0 3.9,3.8b **¶622451489**
NEIC VIII 14 13 14 55.6–2.3 18.27N–.07 73.50W–.05 10–1 4.4b,3.8b
OSPL VIII 14 13 14 55.1–1.2 18.45N 73.64W 0–25 4.3L,3.8b
SSNC VIII 14 13 15 07.8–1.7 18.31N 73.55W 3 4.2L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=13.5km s-min=11.3km az=2.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.1km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=12.4km s-min=27.8km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=62.5km s-min=31.2km az=-1.0. Presumed earthquake.
ISC VIII 14 13 18 40.9–1.0 18.5N–.10 73.63W–.06 10 3.5b 19 2-154
IDC VIII 14 13 18 35.8–1.5 17.59N 73.58W 0 4.2L,3.5 **¶621013496**
SSNC VIII 14 13 18 41.2–.85 18.45N 73.64W 5 3.6L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=54.4km s-min=19.6km az=6.0.
SSNC Event type se. Error ellipse: s-maj=5.7km s-min=4.2km az=-1.0. Presumed earthquake.
ISC VIII 14 14 11 35.4–1.4 18.6N–.10 73.8W–.20 10 13 2-154
IDC VIII 14 14 11 30.1–.95 18.62N 73.49W 0 3.8,3.5b **¶621013506**
SSNC VIII 14 14 11 37.3–.91 18.55N 73.70W 5 3.5L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=19.6km az=4.0.
SSNC Event type se. Error ellipse: s-maj=11.1km s-min=12.3km az=-1.0. Presumed earthquake.
OSPL VIII 14 14 12 20.6–1.3 18.56N 73.67W 0–10 3.9L
¶626588347
OSPL Event type se. Error ellipse: s-maj=4.3km s-min=8.6km az=-1.0. Confirmed Rockburst.
ISC VIII 14 20 52 36.6–1.7 18.6N–.10 73.9W–.10 10 3.7b 11 2-154
IDC VIII 14 20 52 33.4–2.1 18.44N 73.47W 0 3.7b,3.7 **¶621013559**
SSNC VIII 14 20 52 39.2–1.7 18.50N 74.06W 3 3.2W,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=77.7km s-min=55.0km az=148.0.
SSNC Event type se. Error ellipse: s-maj=9.3km s-min=7.6km az=-1.0. Presumed earthquake.
ISC VIII 14 14 21 27.6–.96 18.50N–.07 73.62W–.05 10 41 2-15
OSPL VIII 14 14 21 26.5–1.2 18.41N 73.88W 0–9 3.9L **¶625172017**
RSNC VIII 14 14 21 27.7–.50 18N–4.0 74W–4.0 0 4.3,4.3b
ISC Event type se.
OSPL Event type se. Confirmed Rockburst.
IDC VIII 14 14 23 26.8–1.6 18.28N 73.68W 0 3.6b,3.6
¶621013508
IDC Error ellipse: s-maj=52.3km s-min=45.4km az=173.0.
ISC VIII 14 14 24 28.4–.93 18.4N–.20 73.5W–.10 35 3.8b 8 7-154
IDC VIII 14 14 24 23.3–1.0 18.45N 73.49W 0 3.9L,3.9b **¶621013512**
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=19.1km az=19.0.
IDC VIII 14 14 25 23.9–2.3 18.03N 73.42W 0 3.5b,3.5
¶621013513
IDC Error ellipse: s-maj=69.0km s-min=40.6km az=5.0.
ISC VIII 14 14 28 50.2–.30 18.46N–.03 73.60W–.02 10 4.8b 435 1-154
IDC VIII 14 14 28 49.1–.40 18.51N 73.39W 0 5.2s,4.4b **¶620986716**
PTWC VIII 14 14 28 49 18.40N 73.60W 10 4.7b,4.4b
SSNC VIII 14 14 28 50.7–1.4 18.52N 73.59W 5 4.5L,4.1W
CATAC VIII 14 14 28 50.3–1.1 18N–2.0 74W–2.0 25–9 5.7b,5.4b
NEIC VIII 14 14 28 50.7–2.0 18.54N–.03 73.57W–.04 10–1 4.8b,5.4b
OSPL VIII 14 14 28 50.5–1.8 18.48N 73.60W 0–8 4.7L,5.4b
GFZ VIII 14 14 28 52.9–.19 19N–3.0 74W–3.0 10 4.5b,4.5
ISC Event type se.
PTWC HAITI REGION.
SSNC Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 14 14 40 47.9–.46 18.53N–.05 73.63W–.03 10 4.1b 104 1-154
IDC VIII 14 14 40 46.7–.70 18.49N 73.66W 0 3.9,3.8b **¶621013514**
SSNC VIII 14 14 40 46.8–.79 18.43N 73.46W 14–8 3.9L,3.6W
OSPL VIII 14 14 40 47.3–1.6 18.37N 73.77W 0–10 4.1L,3.6W
NEIC VIII 14 14 40 48.9–2.3 18.48N–.04 73.70W–.05 10–1 4.2b,3.6W
RSNC VIII 14 14 40 48.0–.40 18N–4.0 74W–3.0 0 6.0b,5.6
ISC Event type se.
SSNC Event type se. Presumed earthquake.
OSPL Event type se. Confirmed Rockburst.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 16 19 06.5–2.0 18.5N–.10 73.95W–.06 13–15 17 1-3
SSNC VIII 14 16 19 07.7–.82 18.49N 73.84W 5–999 3.0L **¶625903647**
OSPL VIII 14 16 19 08.7–2.3 18.44N 74.02W 0–18 3.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=20.0km s-min=8.3km az=-1.0. Confirmed Rockburst.
ISC VIII 14 16 23 16.2–2.1 18.55N–.05 73.65W–.03 9–16 51 1-13
OSPL VIII 14 16 23 19.3–2.6 18.53N 73.69W 0–13 3.7L **¶625172022**
SSNC VIII 14 16 23 20.4–1.3 18.52N 73.76W 3 3.4L,3.4W
RSNC VIII 14 16 23 20.1–.40 18N–4.0 73W–4.0 0 5.3b,4.7
ISC Event type se.
OSPL Event type se. Confirmed Rockburst.
SSNC Event type se. Presumed earthquake.
ISC VIII 14 13 22 14.1–.91 18.46N–.06 74.09W–.04 10 3.7b 33 2-66
IDC VIII 14 13 22 01.0–1.2 18.59N 69.43W 0 3.7,3.5b **¶625903625**
OSPL VIII 14 13 22 14.5–1.7 18.30N 74.06W 0–8 4.0L,3.5b
SSNC VIII 14 13 22 14.2–1.3 18.41N 74.02W 3–13 3.8W,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=12.8km az=15.0.
OSPL Event type se. Error ellipse: s-maj=9.1km s-min=5.5km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=8.7km s-min=6.5km az=-1.0. Presumed earthquake.
ISC VIII 14 13 32 19.4–2.9 18.57N–.07 73.38W–.10 1–17 3.6b 21 2-154
IDC VIII 14 13 32 19.6–1.1 18.78N 73.44W 0 3.5b,3.5 **¶621013498**
OSPL VIII 14 13 32 21.5–1.4 18.42N 73.52W 0–6 3.6L,3.5
ISC Event type se.

IDC Error ellipse: s-maj=36.8km s-min=27.0km az=45.0.
OSPL Event type se. Error ellipse: s-maj=4.8km s-min=5.5km az=-1.0. Confirmed Rockburst.
ISC VIII 14 21 05 40.2–1.0 18.55N–.09 73.67W–.05 10 16 2-13
RSNC VIII 14 21 05 38.7–.30 19N–3.0 74W–3.0 2 5.3,5.1b **¶626345245**
SSNC VIII 14 21 05 42.8–1.6 18.67N 73.65W 3 3.2L,5.1b
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=12.3km s-min=16.5km az=-1.0. Presumed earthquake.
ISC VIII 14 22 10 52.4–3.0 18.44N–.05 73.99W–.03 5–23 68 1-16
NEIC VIII 14 22 10 53.7–1.6 18.43N–.05 74.01W–.04 10–1 4.1b **¶622451506**
CATAC VIII 14 22 10 55.8–.95 18N–4.0 74W–2.0 30–9 4.6b,4.4
JSN VIII 14 22 10 55.6–2.4 18.62N 74.10W 0–18 4.1,4.4
SSNC VIII 14 22 10 57.8–1.3 18.54N 74.10W 3 3.3W,3.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.8km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=8.2km s-min=3.1km az=9.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
JSN Event type se. Error ellipse: s-maj=12.0km s-min=11.5km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=6.5km s-min=5.5km az=-1.0. Presumed earthquake.
ISC VIII 14 14 51 09.9–1.3 18.42N–.09 73.91W–.05 10 21 1-3
OSPL VIII 14 14 51 08.6–1.7 18.36N 74.13W 0–14 3.8L **¶625903632**
SSNC VIII 14 14 51 13.3–1.3 18.70N 73.57W 10 3.7L,3.5W
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=10.1km s-min=17.5km az=-1.0. Confirmed Rockburst.
SSNC Event type se. Error ellipse: s-maj=35.2km s-min=21.3km az=-1.0. Presumed earthquake.
ISC VIII 14 22 14 06.7–.34 18.45N–.03 74.03W–.02 10 4.3b 232 1-153
IDC VIII 14 22 14 06.3–.43 18.43N 73.82W 0 4.1b,4.1 **¶620986830**
SSNC VIII 14 22 14 07.9–1.2 18.36N 74.04W 6–19 4.5L,4.3W
CATAC VIII 14 22 14 08.5–1.1 18N–4.0 74W–2.0 22–9 5.1,5.1
JSN VIII 14 22 14 08.1–1.0 18.53N 74.01W 2–6 4.8,5.1
NEIC VIII 14 22 14 08.1 18.52N 74.03W 15 4.8,5.1
GFZ VIII 14 22 14 08.8–.25 19N–4.0 74W–3.0 10 4.7b,4.7
NEIC VIII 14 22 14 08.3–1.4 18.53N–.06 74.03W–.03 16–4 4.5,4.4b
ISC Event type se.
SSNC Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.54 $M_{\theta\theta}$-3.45 $M_{\phi\phi}$2.91 $M_{r\theta}$-0.63 $M_{\theta\phi}$4.02 $M_{\phi r}$-0.81 NP1:ϕ_s160.17767° ,δ79.66001°,λ172.58105°. NP2:ϕ_s251.51654°,δ82.70219°,λ10.42538°. Principal axes: T 5.0775,Plg12.5176°,Azm116.0887°; N 0.3257,Plg77.2974°,Azm286.1374° ; P -5.4033,Plg2.1260°,Azm25.6165° $M_0$5.24799×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.49 $M_{\theta\theta}$-3.35 $M_{\phi\phi}$2.85 $M_{r\theta}$-0.57 $M_{\theta\phi}$4.07 $M_{\phi r}$-0.92 NP1: ϕ_s160.59787°,δ79.98343°,λ171.37453°. NP2:ϕ_s252.10921°,δ81.50699°,λ10.12880°. Principal axes: T 5.1200,Plg13.1453°,Azm116.4810°; N 0.2427,Plg76.8102°,Azm291.6902° ; P -5.3628,Plg1.0633°,Azm26.2326° $M_0$5.24561×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.15 $M_{\theta\theta}$-6.21 $M_{\phi\phi}$4.06 $M_{r\theta}$-0.65 $M_{\theta\phi}$6.27 $M_{\phi r}$-0.88 NP1: ϕ_s159.77743°,δ80.84551°,λ172.30157°. NP2:ϕ_s251.00946°,δ82.40021°,λ9.23632°. Principal axes: T 7.2541,Plg11.8889°,Azm115.5104°; N 1.9320,Plg78.0600°,Azm290.1304° ; P -9.1861,Plg1.0876°,Azm25.2814° $M_0$8.38866×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.82 $M_{\theta\theta}$-5.81 $M_{\phi\phi}$3.99 $M_{r\theta}$-0.68 $M_{\theta\phi}$5.96 $M_{\phi r}$-0.96 NP1: ϕ_s159.66814°,δ80.41798°,λ171.94064°. NP2:ϕ_s251.01837°,δ82.05382°,λ9.67580°. Principal axes: T 7.0621,Plg12.4423°,Azm115.4724°; N 1.5673,Plg77.5036°,Azm290.0541° ; P -8.6294,Plg1.1432°,Azm25.2201° $M_0$7.96228×10^{15}
JSN Event type se. Presumed earthquake.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.54 $M_{\theta\theta}$-5.10 $M_{\phi\phi}$4.55 $M_{r\theta}$0.01 $M_{\theta\phi}$4.56 $M_{\phi r}$-1.24 NP1:ϕ_s156.21000°,δ84.95000°,λ169.75000°. NP2:ϕ_s247.12000°,δ79.79000° ,λ5.13000°. Principal axes: T 6.5887,Plg11.0000°,Azm111.0000°; N 0.3516,Plg79.0000° ,Azm310.0000°; P -6.9403,Plg4.0000°,Azm202.0000° $M_0$6.77000×10^{15}
ISC VIII 14 14 57 32.9–1.3 18.49N–.03 73.63W–.02 5–8 4.6b 317 1-154
IDC VIII 14 14 57 32.2–.38 18.46N 73.61W 0 5.4s,4.4b **¶620986718**
CATAC VIII 14 14 57 34.9–.96 18N–3.0 74W–2.0 28–8 5.0,5.0
NEIC VIII 14 14 57 34.3–1.8 18.47N–.06 73.65W–.05 10–1 4.7b,5.0
JSN VIII 14 14 57 35.2–1.3 18.88N 73.70W 0–10 4.9,5.0
OSPL VIII 14 14 57 35.3–2.0 18.48N 73.61W 0–10 4.6L,5.0
GFZ VIII 14 14 57 35.3–.20 18N–3.0 74W–3.0 10 4.5b,4.5
SSNC VIII 14 14 57 36.9–1.6 18.60N 73.67W 5 4.3L,4.1W
ISC Event type se.
IDC Error ellipse: s-maj=10.5km s-min=9.6km az=78.0.
CATAC Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=15.6. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.4km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JSN Event type se. Error ellipse: s-maj=16.3km s-min=4.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=6.7km s-min=6.6km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SSNC Event type se. Error ellipse: s-maj=8.4km s-min=7.5km az=-1.0. Presumed earthquake.
ISC VIII 14 20 14 48.3–1.6 18.53N–.08 73.86W–.06 35 15 2-5
JSN VIII 14 20 14 45.7–1.0 18.47N 73.87W 3–8 **¶625422655**
SSNC VIII 14 20 14 49.5–1.7 18.69N 73.85W 3–21 3.5W,3.4L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=13.4km s-min=8.6km az=-1.0. Presumed earthquake.
ISC VIII 15 00 21 35.4–1.4 18.60N–.08 73.9W–.10 35 33 2-15
SSNC VIII 15 00 21 35.9–1.1 18.69N 73.96W 3 3.4L,3.0W **¶626345250**
RSNC VIII 15 00 21 51.6–1.7 17N–14 74W–14 0 5.3b,4.8
ISC Event type se.
SSNC Event type se. Presumed earthquake.
ISC VIII 14 20 18 39.9–1.4 18.49N–.07 74.1W–.10 10 17 2-14
SSNC VIII 14 20 18 42.7–1.6 18.55N 74.09W 4–21 3.4W,3.2L **¶626345242**
RSNC VIII 14 20 18 52.7–1.5 17N–11 74W–36 0 5.2b,4.7b
ISC Event type se.
SSNC Event type se. Presumed earthquake.
ISC VIII 14 15 03 20.0–2.4 18.45N–.09 73.77W–.10 7–15 23 1-9
OSPL VIII 14 15 03 21.0–.78 18.47N 73.80W 0–4 3.5L **¶625172018**
RSNC VIII 14 15 03 38.2–1.2 17N–10 73W–19 0 4.3b,3.3L
ISC Event type se.
OSPL Event type se. Confirmed Rockburst.
ISC VIII 14 22 26 57.5–.76 18.74N–.08 73.52W–.07 10 3.3b 23 2-154
IDC VIII 14 22 26 54.9–.93 18.59N 73.53W 0 3.7,3.5b **¶621013575**
SSNC VIII 14 22 26 59.8–1.1 18.61N 73.69W 3 3.9L,3.8W
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=16.7km az=10.0.
SSNC Event type se. Error ellipse: s-maj=21.9km s-min=9.2km az=-1.0. Presumed earthquake.
ISC VIII 15 06 23 21.2–.92 18.33N–.06 73.40W–.06 10 29 2-13
RSNC VIII 15 06 23 21.4–.90 18N–3.0 73W–3.0 7–7 4.9b,4.2 **¶626353352**
SSNC VIII 15 06 23 27.4–1.6 18.69N 73.44W 3 3.5L,4.2
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.5km s-min=8.0km az=-1.0. Presumed earthquake.
ISC VIII 14 15 08 09.8–.41 18.50N–.05 73.67W–.03 10 4.0b 104 1-154
IDC VIII 14 15 08 08.4–.56 18.46N 73.64W 0 3.9,3.7b **¶621013516**
NEIC VIII 14 15 08 10.9–2.1 18.44N–.07 73.61W–.05 10–1 4.3b,3.7b
OSPL VIII 14 15 08 10.8–2.5 18.55N 73.68W 0–10 4.2L,3.8W
SSNC VIII 14 15 08 10.1–1.5 18.24N 73.67W 5 3.8L,3.8W
RSNC VIII 14 15 08 11.8–1.5 18N–13 74W–12 10 5.8b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Presumed earthquake.
SSNC Event type se. Presumed earthquake.
ISC VIII 15 07 01 39.5–1.8 18.44N–.04 73.71W–.03 2–12 3.9b 124 1-154
CATAC VIII 15 07 01 40.0–.21 18N–2.0 74W–2.0 1 4.8b,4.4b **¶621023561**
IDC VIII 15 07 01 39.4–1.0 18.49N 73.85W 0 3.8,3.7b
RSNC VIII 15 07 01 41.0–.30 18N–2.0 74W–2.0 10 5.9b,5.5
JSN VIII 15 07 01 42.3–1.5 18.50N 73.74W 0–17 4.4,5.5
NEIC VIII 15 07 01 42.3–1.5 18.51N–.06 73.66W–.03 13–6 4.0b,5.5
SSNC VIII 15 07 01 44.8–1.7 18.57N 73.75W 3 3.5W,3.4L
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.2km s-min=3.5km az=90.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=31.3km s-min=26.6km az=71.0.
JSN Event type se. Error ellipse: s-maj=10.8km s-min=7.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=3.5km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=10.0km s-min=7.3km az=-1.0. Presumed earthquake.
ISC VIII 15 02 37 52.8–.44 18.45N–.03 73.65W–.02 16–2 5.1b,4.7s 661 1-154
IDC VIII 15 02 37 50.5–.34 18.47N 73.53W 0 4.7b,4.7 **¶620986837**
SSNC VIII 15 02 37 51.3–.95 18.36N 73.61W 3 5.1W,5.0L
CATAC VIII 15 02 37 53.2–.85 19N–2.0 74W–1.0 19–7 5.8b,5.8b
NEIC VIII 15 02 37 53.6–2.2 18.61N–.06 73.57W–.05 14–4 5.1b,5.0
NEIC VIII 15 02 37 53.1 18.59N 73.58W 10 5.1b,5.0
JSN VIII 15 02 37 53.0–1.7 18.65N 73.59W 0–11 5.1b,5.0
GFZ VIII 15 02 37 53.4 18.47N 73.59W 20 5.1W,5.0
GFZ VIII 15 02 37 53.7–.19 19N–3.0 74W–2.0 10 5.4b,5.2
OSPL VIII 15 02 37 53.6–1.5 18.61N 73.61W 0–8 5.2L,5.2
NEIC VIII 15 02 37 54.4 18.60N 73.56W 18 5.2L,5.2
NEIC VIII 15 02 37 56.5 18.59N 73.58W 20 5.1,5.2
GCMT VIII 15 02 37 57.7–.10 18.58N–.01 73.54W–.01 23–0 5.2W,5.2
BGR VIII 15 02 38 02.5 19.01N 72.52W 33 5.2b,4.7s
UCR VIII 15 02 38 05.7–2.5 17.65N 73.94W 15–604 4.5W,4.7s
ISC Event type ke.
IDC Error ellipse: s-maj=9.9km s-min=8.4km az=23.0.
SSNC Event type se. Error ellipse: s-maj=12.2km s-min=7.7km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=4.3km s-min=2.8km az=6.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.96 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-3.34 $M_{r\theta}$-0.16 $M_{\theta\phi}$0.09 $M_{\phi r}$1.74 NP1:ϕ_s179.06473° ,δ32.21757°,λ91.97814°. NP2:ϕ_s356.72695°,δ57.80394°,λ88.75390°. Principal axes: T 4.3640,Plg77.1595°,Azm262.7593°; N -0.6266,Plg1.0545°,Azm357.3910° ; P -3.7374,Plg12.7956°,Azm87.6305° $M_0$4.08691×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.17 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-3.54 $M_{r\theta}$0.04 $M_{\theta\phi}$0.12 $M_{\phi r}$1.77 NP1: ϕ_s176.48068°,δ32.67145°,λ87.91190°. NP2:ϕ_s358.96081°,δ57.35294°,λ91.33853°. Principal axes: T 4.5550,Plg77.6036°,Azm273.3737°; N -0.6239,Plg1.1270°,Azm178.2386° ; P -3.9311,Plg12.3434°,Azm87.9920° $M_0$4.27736×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.06 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-3.42 $M_{r\theta}$-0.19 $M_{\theta\phi}$0.09 $M_{\phi r}$1.77 NP1: ϕ_s179.29875°,δ32.33797°,λ92.36643°. NP2:ϕ_s356.49857°,δ57.69296°,λ88.50257°. Principal axes: T 4.4622,Plg77.2539°,Azm261.6943°; N -0.6437,Plg1.2656°,Azm357.2990° ; P -3.8184,Plg12.6810°,Azm87.5838° $M_0$4.17765×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.31 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-3.64 $M_{r\theta}$0.03 $M_{\theta\phi}$0.11 $M_{\phi r}$1.68 NP1: ϕ_s176.96978°,δ33.58013°,λ88.38987°. NP2:ϕ_s358.90223°,δ56.43489°,λ91.06870°. Principal axes: T 4.6452,Plg78.5355°,Azm272.7068°; N -0.6625,Plg0.8905°,Azm178.3113° ; P -3.9827,Plg11.4289°,Azm88.1313° $M_0$4.35195×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.82 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$3.71 $M_{r\theta}$0.11 $M_{\theta\phi}$-1.41 $M_{\phi r}$1.52 NP1: ϕ_s305.65134°,δ50.98959°,λ-156.85651°. NP2:ϕ_s200.59235°,δ72.21772°,λ-41.37951°. Principal axes: T 4.3908,Plg13.2468°,Azm257.5623°; N -1.7506,Plg45.6021°,Azm1.4730° ; P -2.6402,Plg41.3798°,Azm155.5926° $M_0$3.82849×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.24 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-3.56 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.18 $M_{\phi r}$1.86 NP1: ϕ_s175.58077°,δ32.29556°,λ88.39795°. NP2:ϕ_s357.47582°,δ57.71860°,λ91.01236°. Principal axes: T 4.6560,Plg77.2571°,Azm270.7227°; N -0.6711,Plg0.8559°,Azm176.9351° ; P -3.9849,Plg12.7131°,Azm86.7420° $M_0$4.35936×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.25 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-3.57 $M_{r\theta}$-0.07 $M_{\theta\phi}$0.14 $M_{\phi r}$1.86 NP1: ϕ_s177.10489°,δ32.28488°,λ89.68927°. NP2:ϕ_s357.47243°,δ57.71565°,λ90.19632°. Principal axes: T 4.6717,Plg77.2834°,Azm268.1031°; N -0.6709,Plg0.1660°,Azm177.3676° ; P -4.0008,Plg12.7154°,Azm87.3301° $M_0$4.37499×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.74 $M_{\theta\theta}$-1.75 $M_{\phi\phi}$3.49 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.54 $M_{\phi r}$1.45 NP1: ϕ_s303.32320°,δ51.99064°,λ-158.12410°. NP2:ϕ_s199.43561°,δ72.92799°,λ-40.10382°. Principal axes: T 4.2331,Plg13.1700°,Azm255.6932°; N -1.7099,Plg46.9850°,Azm0.2180° ; P -2.5232,Plg40.0172°,Azm154.3628° $M_0$3.68848×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.50 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-4.00 $M_{r\theta}$0.38 $M_{\theta\phi}$0.21 $M_{\phi r}$1.00 NP1:ϕ_s1.73000°,δ51.67000°,λ96.09000°. NP2:ϕ_s171.96000°,δ38.73000°,λ82.35000°. Principal axes: T 4.6443,Plg82.0000°,Azm304.0000°; N -0.5237,Plg5.0000°,Azm178.0000° ; P -4.1206,Plg6.0000°,Azm87.0000° $M_0$4.41000×10^{16}
NEIC Event type se.
JSN Event type se. Error ellipse: s-maj=7.6km s-min=8.0km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}5.28 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$-4.12 $M_{r\theta}$0.09 $M_{\theta\phi}$0.62 $M_{\phi r}$2.09 NP1: ϕ_s165.34474°,δ33.54839°,λ83.23488°. NP2:ϕ_s353.44556°,δ56.71574°,λ94.46647°. Principal axes: T 5.7266,Plg77.7881°,Azm278.5350°; N -1.0603,Plg3.7326°,Azm170.9909° ; P -4.6663,Plg11.6107°,Azm80.2229° $M_0$5.27692×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
OSPL Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ6 Moment tensor: Scale 10^{16}Nm; M_{rr}5.37 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$-4.30 $M_{r\theta}$0.38 $M_{\theta\phi}$1.14 $M_{\phi r}$1.04 NP1:ϕ_s156.52000°,δ40.33000° ,λ80.60000°. NP2:ϕ_s348.77000°,δ50.32000°,λ97.89000°. Principal axes: T 5.5233,Plg82.0000°,Azm304.0000°; N -0.7856,Plg6.0000°,Azm164.0000° ; P -4.7377,Plg5.0000°,Azm73.0000° $M_0$5.18000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108150237A. Moment Tensor Solution. s90,c147; s128,c226;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.79±.15 $M_{\theta\theta}$-1.44±.09; $M_{\phi\phi}$-5.35±.10; $M_{r\theta}$-0.02±.15; $M_{\theta\phi}$1.40±.06; $M_{\phi r}$3.16±.13; Best double couple: NP1: ϕ_s157.00000°,δ32.00000°,λ80.00000°. NP2:ϕ_s349.00000°,δ58.00000°,λ96.00000°. Principal axes: T 7.5740,Plg76.0000°,Azm278.0000°; N -1.0810,Plg5.0000°,Azm166.0000° ; P -6.4930,Plg13.0000°,Azm74.0000° $M_0$7.03300×10^{16}
BGR Event type ke.
UCR Event type se. Error ellipse: s-maj=337.0km s-min=416.1km az=-1.0. Presumed earthquake.
SSNC VIII 15 11 39 04.6–1.3 18.43N 73.55W 3 3.6L,3.2
¶626353366
SSNC Event type se. Error ellipse: s-maj=7.7km s-min=14.3km az=-1.0. Presumed earthquake.
SSNC VIII 15 02 58 01.5–1.3 18.43N 73.49W 2 3.5L,3.4W
¶626353340
SSNC Event type se. Error ellipse: s-maj=17.9km s-min=14.5km az=-1.0. Presumed earthquake.
ISC VIII 15 04 00 02.7–2.8 18.40N–.05 74.16W–.04 16–18 4.0b 135 2-76
IDC VIII 15 04 00 00.5–.89 18.38N 74.07W 0 3.8b,3.8 **¶621023538**
RSNC VIII 15 04 00 01.1–.30 18N–2.0 74W–2.0 0 5.8b,5.4
CATAC VIII 15 04 00 01.2–.15 18N–1.0 74W–1.0 12 5.0b,4.4
NEIC VIII 15 04 00 02.2–1.5 18.40N–.02 74.12W–.06 10–1 4.1b,4.4
SSNC VIII 15 04 00 03.7–.94 18.46N 74.08W 3 3.5W,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=15.8km az=14.0.
CATAC Event type se. Error ellipse: s-maj=3.3km s-min=2.7km az=58.2. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=3.0km az=256.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=6.5km s-min=8.4km az=-1.0. Presumed earthquake.
ISC VIII 15 12 05 43.3–.69 18.48N–.03 73.71W–.03 13–4 4.7b,4.3s 413 2-154
CATAC VIII 15 12 05 41.5–.68 18N–2.0 74W–1.0 8–4 5.4b,5.4b **¶622451520**
IDC VIII 15 12 05 41.5–.41 18.49N 73.62W 0 4.4b,4.4
JSN VIII 15 12 05 42.4–1.6 18.49N 73.70W 0–7 5.5W,5.2
NEIC VIII 15 12 05 42.4 18.54N 73.73W 1 5.5W,5.2
OSPL VIII 15 12 05 43.0–2.4 18.42N 73.74W 2–21 4.7L,5.2
NEIC VIII 15 12 05 43.7–1.7 18.54N–.03 73.72W–.05 10–1 4.8,4.7b
GFZ VIII 15 12 05 44.2–.21 19N–3.0 74W–2.0 10 4.7b,4.6
GCMT VIII 15 12 05 44.0–.20 18.37N–.01 73.65W–.02 18–1 4.9W,4.6

SSNC VIII 15 12 05 45.1–1.1 18.56N 73.83W 3 5.1L,4.7L
ISC Event type ke.
CATAC Event type se. Error ellipse: s-maj=4.6km s-min=2.4km az=11.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.33 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-0.01 $M_{r\theta}$0.19 $M_{\theta\phi}$1.53 $M_{\phi r}$-0.64 NP1:ϕ_s175.90469° ,δ87.91954°,λ156.41839°. NP2:ϕ_s266.81255°,δ66.43488°,λ2.26984°. Principal axes: T 1.4916,Plg17.9607°,Azm128.8466°; N 0.3646,Plg66.3320°,Azm351.1505° ; P -1.8561,Plg14.8936°,Azm223.7924° $M_0$1.70336×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.36 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$-0.01 $M_{r\theta}$0.26 $M_{\theta\phi}$1.56 $M_{\phi r}$-0.60 NP1: ϕ_s175.97186°,δ89.61851°,λ158.40311°. NP2:ϕ_s266.12287°,δ68.40362°,λ0.41029°. Principal axes: T 1.4615,Plg15.3652°,Azm128.9592°; N 0.4404,Plg68.3999°,Azm355.0083° ; P -1.9019,Plg14.8064°,Azm223.1246° $M_0$1.72444×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.42 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.29 $M_{r\theta}$0.83 $M_{\theta\phi}$2.25 $M_{\phi r}$0.09 NP1: ϕ_s92.61054°,δ83.23991°,λ21.66383°. NP2:ϕ_s359.93349°,δ68.49431°,λ172.73143°. Principal axes: T 2.2801,Plg20.0266°,Azm318.2273°; N 0.2756,Plg67.3545°,Azm109.1173° ; P -2.5557,Plg10.1360°,Azm224.4911° $M_0$2.42968×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.43 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-0.28 $M_{r\theta}$0.84 $M_{\theta\phi}$2.23 $M_{\phi r}$0.12 NP1: ϕ_s92.70288°,δ82.43227°,λ22.18322°. NP2:ϕ_s359.62905°,δ68.02012°,λ171.83520°. Principal axes: T 2.2803,Plg20.9640°,Azm318.1810°; N 0.2476,Plg66.6233°,Azm110.6027° ; P -2.5279,Plg9.8769°,Azm224.3559° $M_0$2.41364×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.72 $M_{\theta\theta}$1.36 $M_{\phi\phi}$0.36 $M_{r\theta}$-1.30 $M_{\theta\phi}$-6.92 $M_{\phi r}$-1.85 NP1: ϕ_s355.52866°,δ75.42665°,λ-18.02617°. NP2:ϕ_s90.20978°,δ72.57272°,λ-164.70880°. Principal axes: T 7.8072,Plg1.9400°,Azm43.2463°; N -0.7817,Plg66.9730°,Azm137.8174° ; P -7.0255,Plg22.9356°,Azm312.4251° $M_0$7.44722×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.24 $M_{\theta\theta}$1.11 $M_{\phi\phi}$0.13 $M_{r\theta}$-0.82 $M_{\theta\phi}$-7.54 $M_{\phi r}$-1.96 NP1: ϕ_s356.76572°,δ80.98645°,λ-15.87661°. NP2:ϕ_s89.31707°,δ74.32452°,λ-170.63519°. Principal axes: T 8.2377,Plg4.6041°,Azm43.7394°; N -0.6737,Plg71.8006°,Azm147.9180° ; P -7.5640,Plg17.5677°,Azm312.2784° $M_0$7.92233×10^{16}
IDC Error ellipse: s-maj=11.7km s-min=9.6km az=7.0.
JSN Event type se. Error ellipse: s-maj=7.4km s-min=4.0km az=-1.0. Presumed earthquake.
NEIC Event type se.
OSPL Event type se. Error ellipse: s-maj=11.5km s-min=6.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=3.7km az=236.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.24 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$0.04 $M_{r\theta}$-0.06 $M_{\theta\phi}$1.50 $M_{\phi r}$-0.91 NP1:ϕ_s174.86000°,δ83.41000°,λ148.34000°. NP2:ϕ_s268.90000°,δ58.57000° ,λ7.72000°. Principal axes: T 1.7563,Plg27.0000°,Azm127.0000°; N 0.0426,Plg58.0000° ,Azm344.0000°; P -1.7989,Plg17.0000°,Azm226.0000° $M_0$1.78000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108151205A. Moment Tensor Solution. s22,c23; s105,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.00±.09 $M_{\theta\theta}$-0.00±.08; $M_{\phi\phi}$0.00±.07; $M_{r\theta}$0.47±.19; $M_{\theta\phi}$2.41±.07; $M_{\phi r}$-0.64±.17; Best double couple: NP1:ϕ_s269.00000°,δ76.00000° ,λ-10.00000°. NP2:ϕ_s1.00000°,δ80.00000°,λ-166.00000°. Principal axes: T 2.4170,Plg3.0000°,Azm134.0000°; N 0.2280,Plg73.0000°,Azm35.0000° ; P -2.6440,Plg17.0000°,Azm225.0000° $M_0$2.53000×10^{16}
SSNC Event type se. Error ellipse: s-maj=3.4km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VIII 15 12 53 44.6–2.0 18.59N–.06 73.60W–.04 1–14 25 2-6
SSNC VIII 15 12 53 48.5–1.5 18.55N 73.58W 3 3.3L,3.3 **¶625422670**
JSN VIII 15 12 53 48.0–.86 18.57N 73.61W 0–6 4.3,3.3
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.8km s-min=5.9km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=4.2km s-min=4.2km az=-1.0. Presumed earthquake.
ISC VIII 15 03 20 45.6–.49 18.33N–.02 74.10W–.02 13–2 6.0b,5.5s 1456 1-168
IDC VIII 15 03 20 43.4–.28 18.32N 74.02W 0 5.5b,5.4 **¶620986838**
MOS VIII 15 03 20 43.7–.86 18.37N 74.08W 9 6.1b,5.4s
NEIC VIII 15 03 20 44.8 18.35N 74.08W 6 6.1b,5.4s
NEIC VIII 15 03 20 44.1 18.38N 74.09W 1 6.1b,5.4s
JSN VIII 15 03 20 44.7–2.0 18.48N 74.10W 0–18 6.2W,5.4s
CATAC VIII 15 03 20 44.8–.94 18N–2.0 74W–2.0 14–7 6.5b,6.3
ISC-P VIII 15 03 20 45 18.40N 74.09W 3–0 6.1,6.3
IPGP VIII 15 03 20 45.0 18.37N 74.10W 9 5.7W,6.3
GFZ VIII 15 03 20 45.6 18.30N 74.08W 13 5.7W,6.3
NEIC VIII 15 03 20 45.3–2.5 18.40N–.05 74.09W–.05 8–2 6.1b,5.7
NEIC VIII 15 03 20 45.1 18.38N 74.09W 8 6.1b,5.7
PTWC VIII 15 03 20 45 18.50N 74.10W 10 5.9,5.7
GFZ VIII 15 03 20 45.8–.14 18N–2.0 74W–2.0 10 5.8,5.8b
OSPL VIII 15 03 20 45.5–2.3 18.43N 74.10W 6–12 5.7L,5.8b
SSNC VIII 15 03 20 45.2–1.3 18.40N 74.12W 3–7 5.8W,5.8b
NEIC VIII 15 03 20 46.6 18.58N 73.99W 18 5.8,5.8b
GCMT VIII 15 03 20 48.7–.10 18.45N 74.06W 12 5.7W,5.8b
BGR VIII 15 03 20 53.6 18.49N 73.02W 33 5.5b,5.5s
ISC Event type ke.
IDC Error ellipse: s-maj=9.9km s-min=8.7km az=87.0.
MOS Error ellipse: s-maj=5.7km s-min=4.0km az=78.1.
NEIC Event type se.
NEIC Event type se.
JSN Event type se. Error ellipse: s-maj=13.0km s-min=10.0km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=6.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.69 $M_{\theta\theta}$-1.94 $M_{\phi\phi}$-1.75 $M_{r\theta}$-0.70 $M_{\theta\phi}$2.19 $M_{\phi r}$-0.64 NP1:ϕ_s148.09892° ,δ46.38766°,λ110.67348°. NP2:ϕ_s299.41819°,δ47.35907°,λ69.66678°. Principal axes: T 3.9378,Plg75.1814°,Azm135.5376°; N 0.0930,Plg14.8098°,Azm313.5097° ; P -4.0308,Plg0.5013°,Azm43.6422° $M_0$3.98514×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.75 $M_{\theta\theta}$-2.04 $M_{\phi\phi}$-1.71 $M_{r\theta}$-0.90 $M_{\theta\phi}$2.18 $M_{\phi r}$-0.38 NP1: ϕ_s146.08500°,δ43.65041°,λ109.74486°. NP2:ϕ_s299.70058°,δ49.48299°,λ72.13688°. Principal axes: T 3.9835,Plg76.1741°,Azm144.5195°; N 0.0953,Plg13.4850°,Azm311.5262° ; P -4.0788,Plg2.9950°,Azm42.2451° $M_0$4.03201×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.84 $M_{\theta\theta}$-1.87 $M_{\phi\phi}$-1.97 $M_{r\theta}$-0.73 $M_{\theta\phi}$2.10 $M_{\phi r}$-0.55 NP1: ϕ_s148.42408°,δ45.61614°,λ108.52252°. NP2:ϕ_s302.83032°,δ47.33980°,λ72.01739°. Principal axes: T 4.0538,Plg76.8467°,Azm139.2262°; N -0.0262,Plg13.1225°,Azm315.2352° ; P -4.0276,Plg0.8838°,Azm45.4413° $M_0$4.04074×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.86 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$-1.96 $M_{r\theta}$-0.64 $M_{\theta\phi}$2.08 $M_{\phi r}$-0.82 NP1: ϕ_s149.57831°,δ47.81803°,λ109.83422°. NP2:ϕ_s301.33535°,δ45.80859°,λ69.47248°. Principal axes: T 4.1306,Plg75.3996°,Azm131.7133°; N -0.1165,Plg14.5619°,Azm315.9633° ; P -4.0142,Plg1.0360°,Azm225.6941° $M_0$4.07365×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.90 $M_{\theta\theta}$-1.88 $M_{\phi\phi}$-2.03 $M_{r\theta}$-0.80 $M_{\theta\phi}$2.06 $M_{\phi r}$-0.54 NP1: ϕ_s148.98994°,δ45.29788°,λ108.88061°. NP2:ϕ_s303.06124°,δ47.73735°,λ71.89331°. Principal axes: T 4.1334,Plg76.6417°,Azm141.0383°; N -0.1205,Plg13.2973°,Azm315.4634° ; P -4.0129,Plg1.2516°,Azm45.7592° $M_0$4.07446×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.82 $M_{\theta\theta}$-1.93 $M_{\phi\phi}$-1.88 $M_{r\theta}$-0.77 $M_{\theta\phi}$2.09 $M_{\phi r}$-0.66 NP1: ϕ_s148.64953°,δ46.16967°,λ110.24878°. NP2:ϕ_s300.60614°,δ47.40508°,λ70.17453°. Principal axes: T 4.0752,Plg75.5273°,Azm136.9504°; N -0.0767,Plg14.4581°,Azm314.3187° ; P -3.9985,Plg0.6367°,Azm44.4829° $M_0$4.03737×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.91 $M_{\theta\theta}$-1.89 $M_{\phi\phi}$-2.03 $M_{r\theta}$-0.80 $M_{\theta\phi}$2.07 $M_{\phi r}$-0.58 NP1: ϕ_s149.18227°,δ45.55479°,λ109.17839°. NP2:ϕ_s302.76794°,δ47.60034°,λ71.48251°. Principal axes: T 4.1523,Plg76.3939°,Azm140.0930°; N -0.1226,Plg13.5639°,Azm315.4944° ; P -4.0296,Plg1.0505°,Azm45.7479° $M_0$4.09233×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.83 $M_{\theta\theta}$-1.92 $M_{\phi\phi}$-1.91 $M_{r\theta}$-0.70 $M_{\theta\phi}$2.11 $M_{\phi r}$-0.67 NP1: ϕ_s148.57453°,δ46.54110°,λ109.53339°. NP2:ϕ_s301.29052°,δ46.83577°,λ70.56490°. Principal axes: T 4.0753,Plg75.9533°,Azm135.5048°; N -0.0442,Plg14.0459°,Azm314.8609° ; P -4.0311,Plg0.1516°,Azm44.8988° $M_0$4.05338×10^{17}
ISC-P Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}0.78±.17 $M_{\theta\theta}$-0.11±.15; $M_{\phi\phi}$0.36±.15; $M_{r\theta}$0.00±.13; $M_{\theta\phi}$-0.27±.16; $M_{\phi r}$0.24±.18; NP1:ϕ_s267.20000°,δ45.50000° ,λ49.20000°. NP2:ϕ_s138.10000°,δ57.30000°,λ123.60000°. $M_0$1.76000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s145.00000°,δ49.00000°,λ112.00000°. NP2:ϕ_s294.00000° ,δ46.00000°,λ67.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.98 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$-1.78 $M_{r\theta}$0.89 $M_{\theta\phi}$2.30 $M_{\phi r}$-1.24 NP1: ϕ_s136.78862°,δ55.09403°,λ95.21676°. NP2:ϕ_s307.72323°,δ35.24466°,λ82.57577°. Principal axes: T 4.2702,Plg79.1488°,Azm66.7577°; N 0.2900,Plg4.2763°,Azm313.7979° ; P -4.5602,Plg9.9543°,Azm223.0459° $M_0$4.42235×10^{17}
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.8km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.39 $M_{\theta\theta}$-2.05 $M_{\phi\phi}$-1.34 $M_{r\theta}$0.09 $M_{\theta\phi}$2.10 $M_{\phi r}$-1.57 NP1:ϕ_s147.49000°,δ56.01000°,λ111.26000°. NP2:ϕ_s292.64000°,δ39.40000° ,λ61.72000°. Principal axes: T 3.9126,Plg70.0000°,Azm107.0000°; N 0.0727,Plg17.0000° ,Azm315.0000°; P -3.9853,Plg9.0000°,Azm222.0000° $M_0$3.95000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.99 $M_{\theta\theta}$-2.28 $M_{\phi\phi}$-1.70 $M_{r\theta}$-0.24 $M_{\theta\phi}$2.46 $M_{\phi r}$-2.93 NP1:ϕ_s289.64000°,δ38.25000°,λ50.17000°. NP2:ϕ_s156.37000°,δ61.61000° ,λ116.79000°. Principal axes: T 5.4243,Plg63.0000°,Azm111.0000°; N -0.5547,Plg23.0000° ,Azm323.0000°; P -4.8695,Plg13.0000°,Azm227.0000° $M_0$5.17000×10^{17}
NEIC Event type se.
PTWC HAITI REGION.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
OSPL Event type se. Error ellipse: s-maj=8.3km s-min=5.2km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=5.9km s-min=12.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.16 $M_{\theta\theta}$-2.96 $M_{\phi\phi}$-2.20 $M_{r\theta}$-0.46 $M_{\theta\phi}$2.41 $M_{\phi r}$-1.55 NP1:ϕ_s296.83000°,δ43.03000° ,λ68.77000°. NP2:ϕ_s144.82000°,δ50.50000°,λ108.67000°. Principal axes: T 5.5784,Plg75.0000°,Azm117.0000°; N -0.5194,Plg14.0000°,Azm313.0000° ; P -5.0590,Plg4.0000°,Azm222.0000° $M_0$5.34000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108150320A. Moment Tensor Solution. s123,c258; s166,c427;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.29±.03 $M_{\theta\theta}$-2.20±.03; $M_{\phi\phi}$-2.08±.03; $M_{r\theta}$-0.60±.09; $M_{\theta\phi}$2.68±.03; $M_{\phi r}$-1.87±.10; Best double couple: NP1:ϕ_s294.00000°,δ43.00000°,λ59.00000°. NP2:ϕ_s154.00000°,δ54.00000°,λ116.00000°. Principal axes: T 5.0540,Plg68.0000°,Azm122.0000°; N -0.1350,Plg21.0000°,Azm318.0000° ; P -4.9090,Plg6.0000°,Azm226.0000° $M_0$4.98200×10^{17}
BGR Event type ke.
ISC VIII 15 12 58 46.5–1.7 18.66N–.06 73.53W–.04 2–13 35 2-6
SSNC VIII 15 12 58 48.2–1.5 18.47N 73.48W 3 3.4,3.3L **¶625422671**
JSN VIII 15 12 58 49.4–2.3 18.56N 73.60W 0–15 4.2,3.3L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.8km s-min=10.4km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=10.2km s-min=6.3km az=-1.0. Presumed earthquake.
ISC VIII 15 16 05 03.9–2.7 18.50N–.05 73.55W–.04 1–18 3.7b,3.1s 111 1-154
IDC VIII 15 16 05 03.7–.71 18.53N 73.43W 0 3.7b,3.7 **¶621023625**
SSNC VIII 15 16 05 04.8–1.6 18.43N 73.36W 3 3.8L,3.7W
NEIC VIII 15 16 05 05.9–1.3 18.53N–.07 73.56W–.05 12–5 4.0b,3.7W
JSN VIII 15 16 05 09.5–1.1 18.65N 73.58W 82–49 4.3,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=13.7km az=8.0.
SSNC Event type se. Error ellipse: s-maj=20.3km s-min=19.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.7km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JSN Event type se. Error ellipse: s-maj=9.1km s-min=5.0km az=-1.0. Presumed earthquake.
ISC VIII 15 03 27 30.1–.45 18.41N–.05 74.03W–.04 10 4.3b 68 2-153
IDC VIII 15 03 27 28.5–.65 18.38N 74.01W 0 4.2b,4.2 **¶621023529**
NEIC VIII 15 03 27 31.2–1.8 18.49N–.06 73.95W–.04 10–1 4.4b,4.2
SSNC VIII 15 03 27 31.6–.59 18.39N 74.06W 2 3.7L,3.5W
JSN VIII 15 03 27 36.0–3.0 18.82N 74.22W 96–74 3.7L,3.5W
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=15.6km az=7.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=3.8km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=10.2km s-min=6.5km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=32.0km s-min=38.3km az=-1.0. Presumed earthquake.
ISC VIII 15 03 28 49.8–.42 18.33N–.07 73.98W–.07 35 4.4b 76 2-153
IDC VIII 15 03 28 44.3–.56 18.30N 74.01W 0 4.4b,4.3 **¶621023531**
NEIC VIII 15 03 28 47.5–2.5 18.44N–.07 73.95W–.08 10–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 14 07 23.3–.53 18.60N–.04 73.55W–.03 10 3.7b 80 2-154
IDC VIII 15 14 07 21.9–.95 18.24N 73.68W 0 3.7b,3.7 **¶621023616**
RSNC VIII 15 14 07 24.4–.30 18N–3.0 74W–4.0 0 5.3b,4.7
SSNC VIII 15 14 07 26.0–1.6 18.54N 73.60W 3 3.8L,3.8
JSN VIII 15 14 07 26.5–1.9 18.62N 73.67W 0–10 4.2,3.8
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=26.8km az=43.0.
SSNC Event type se. Error ellipse: s-maj=6.0km s-min=12.3km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=13.2km s-min=5.2km az=-1.0. Presumed earthquake.
ISC VIII 15 22 48 41.9–1.7 18.39N–.04 73.56W–.03 12–11 4.4b,3.5s 258 1-154
CATAC VIII 15 22 48 39.7–.26 18N–2.0 74W–3.0 1 4.7b,4.6 **¶621023673**
SSNC VIII 15 22 48 40.7–1.6 18.27N 73.42W 5 5.0b,4.4
IDC VIII 15 22 48 40.6–.60 18.36N 73.57W 0 4.0b,4.0
NEIC VIII 15 22 48 43.2–1.4 18.52N–.05 73.527W–.01 10–1 4.4b,4.0
RSNC VIII 15 22 48 43.0–.40 18N–3.0 73W–3.0 10 5.0b,4.7b
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SSNC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 15 17 34.5–1.7 18.29N–.06 73.88W–.05 8–16 22 2-5
SSNC VIII 15 15 17 39.1–1.2 18.30N 73.62W 6–458 3.6,3.5L **¶625422672**
JSN VIII 15 15 17 41.3–1.9 18.52N 73.73W 0–22 4.1,3.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=320.1km s-min=277.4km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=13.5km s-min=9.5km az=-1.0. Presumed earthquake.
SSNC VIII 15 18 47 06.0–1.5 18.42N 73.96W 2 3.5L,3.5 ¶626353377
SSNC Event type se. Error ellipse: s-maj=7.9km s-min=10.3km az=-1.0. Presumed earthquake.
ISC VIII 15 20 19 05.7–1.2 18.36N–.06 73.64W–.04 10 27 2-4
SSNC VIII 15 20 19 06.9–.97 18.30N 73.32W 5 3.5L,3.5 **¶625422675**
JSN VIII 15 20 19 10.4–2.2 18.53N 73.61W 0–34 4.1,3.5
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.2km s-min=9.4km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=16.1km s-min=10.9km az=-1.0. Presumed earthquake.
ISC VIII 16 05 51 09.0–1.9 18.58N–.05 73.45W–.04 2–16 45 2-13
RSNC VIII 16 05 50 50.1–9.1 21N–73 73W–33 212–32 5.8b,5.4 **¶625422712**
JSN VIII 16 05 51 11.9–1.4 18.50N 73.50W 0–14 4.3,5.4
SSNC VIII 16 05 51 11.4–1.6 18.42N 73.42W 5 3.1L,2.9W
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=9.8km s-min=6.7km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=13.7km s-min=17.5km az=-1.0. Presumed earthquake.
ISC VIII 16 01 09 00.5–2.3 18.30N–.04 74.22W–.04 27–19 4.1b,3.5s 183 2-69
SSNC VIII 16 01 08 57.8–1.3 18.20N 74.16W 5 3.9L,3.8W **¶621030116**
IDC VIII 16 01 08 59.8–1.4 18.56N 74.09W 0 3.9,3.7b
NEIC VIII 16 01 08 59.2–1.6 18.45N–.06 74.16W–.06 10–2 4.2b,3.7b
JSN VIII 16 01 08 59.4–1.4 18.47N 74.20W 0–12 4.3,3.7b
CATAC VIII 16 01 09 00.3–.95 18N–3.0 74W–2.0 18–7 4.1,4.0
RSNC VIII 16 01 09 01.8–.20 18N–2.0 74W–2.0 56–18 5.0b,4.5b
ISC Event type se.
SSNC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JSN Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 15 19 46 42.8–.57 18.42N–.05 73.56W–.04 10 4.0b 70 2-154
RSNC VIII 15 19 46 42.8–.40 18N–4.0 74W–5.0 0 5.0b,4.3 **¶621023657**
SSNC VIII 15 19 46 42.4–.87 18.32N 73.44W 2 4.0,3.9L
IDC VIII 15 19 46 42.1–1.2 18.22N 73.63W 0 3.8,3.6b
NEIC VIII 15 19 46 43.7–2.4 18.37N–.06 73.53W–.06 10–1 4.0b,3.6b
ISC Event type se.
SSNC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 02 17 02.2–.88 18.35N–.04 73.60W–.03 10 38 2-14
SSNC VIII 16 02 17 06.9–1.2 18.41N 73.45W 5 3.2L,3.0W **¶625422710**
JSN VIII 16 02 17 09.1–1.8 18.59N 73.57W 10–33 4.2,3.0W
ISC Event type se.

SSNC Event type se. Error ellipse: s-maj=8.7km s-min=12.7km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=12.4km s-min=9.0km az=-1.0. Presumed earthquake.
ISC VIII 16 02 37 33.4–1.2 18.41N–.05 74.12W–.05 10 33 2-4
SSNC VIII 16 02 37 33.2–.30 18.21N 74.01W 3 2.8L,2.7W **¶625422711**
JSN VIII 16 02 37 39.9–1.7 18.62N 74.20W 0–19 3.8,2.7W
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=195.1km s-min=207.6km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=11.2km s-min=8.5km az=-1.0. Presumed earthquake.
ISC VIII 16 10 42 46.8–.71 18.45N–.04 73.62W–.03 10 49 2-14
RSNC VIII 16 10 42 49.2–.30 18N–3.0 73W–5.0 0 5.1b,4.6b **¶625172167**
CATAC VIII 16 10 42 50.7–2.2 19N–4.0 74W–2.0 3–20 4.5b,4.2
JSN VIII 16 10 42 51.6–1.5 18.54N 73.58W 0–17 4.3,4.2
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.2km s-min=4.0km az=0.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
JSN Event type se. Error ellipse: s-maj=10.6km s-min=7.3km az=-1.0. Presumed earthquake.
ISC VIII 16 08 08 34.2–1.2 18.53N–.05 74.17W–.05 10 26 2-3
SSNC VIII 16 08 08 35.0–.87 18.26N 74.11W 4 2.6L,2.4W **¶625422713**
JSN VIII 16 08 08 37.1–1.6 18.61N 74.23W 0–18 3.7,2.4W
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.2km s-min=7.2km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=11.5km s-min=7.9km az=-1.0. Presumed earthquake.
SSNC VIII 16 15 34 59.5–.00 18.25N 73.27W 35 3.0L
¶626353415
SSNC Event type se. Presumed earthquake.
ISC VIII 16 08 53 48.5–1.7 18.56N–.05 73.87W–.05 1–13 35 2-6
JSN VIII 16 08 53 51.7–2.0 18.57N 73.89W 0–17 3.9 **¶625422714**
SSNC VIII 16 08 53 51.7–1.6 18.45N 73.80W 3 2.9L,2.8W
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=12.5km s-min=9.5km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=13.3km s-min=17.0km az=-1.0. Presumed earthquake.
ISC VIII 16 09 13 19.4–1.2 18.51N–.07 73.69W–.08 10 26 2-13
RSNC VIII 16 09 13 18.7–.50 18N–4.0 74W–5.0 0 3.8,3.8b **¶626345355**
SSNC VIII 16 09 13 18.9–.93 18.27N 73.48W 43–750 2.9L,2.8W
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=55.0km s-min=11.7km az=-1.0. Presumed earthquake.
ISC VIII 16 09 17 32.0–1.2 18.59N–.09 73.65W–.07 10 22 2-13
SSNC VIII 16 09 17 30.4–.75 18.34N 73.55W 5 3.6L,3.5W **¶626345356**
RSNC VIII 16 09 17 31.1–.50 19N–4.0 74W–6.0 0 5.4b,4.8
ISC Event type se.
SSNC Event type se. Presumed earthquake.
ISC VIII 16 07 55 11.7–.85 18.38N–.05 73.68W–.05 35 76 2-17
SSNC VIII 16 07 55 09.6–1.4 18.35N 73.66W 5 3.5L,3.4W **¶626345351**
RSNC VIII 16 07 55 12.7–.30 18N–2.0 74W–2.0 0 5.5b,4.9
ISC Event type se.
SSNC Event type se. Presumed earthquake.
SSNC VIII 16 19 30 02.5–.00 18.56N 73.46W 35 4.6b,3.2L
¶626353443
SSNC Event type se. Presumed earthquake.
SSNC VIII 16 20 30 36.8–.00 18.53N 73.73W 5–71 2.8L
¶626353455
SSNC Event type se. Presumed earthquake.
ISC VIII 16 18 35 40.5–1.3 18.65N–.05 73.50W–.02 5–11 75 1-7
CATAC VIII 16 18 35 41.0–.52 18N–4.0 74W–2.0 4–4 5.9b,5.5 **¶625422719**
SSNC VIII 16 18 35 41.1–.00 18.81N 73.46W 190–12 4.3L,4.2b
OSPL VIII 16 18 35 42.9–2.6 18.46N 73.53W 0–12 4.3L,4.2b
JSN VIII 16 18 35 42.8–1.6 18.60N 73.53W 0–16 4.3,4.2b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.0km s-min=4.0km az=21.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SSNC Event type se. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=10.0km s-min=5.3km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=11.2km s-min=7.7km az=-1.0. Presumed earthquake.
ISC VIII 16 23 59 07.0–1.9 18.59N–.07 73.64W–.03 3–13 31 2-5
SSNC VIII 16 23 59 11.0–.00 18.55N 73.64W 0–4 3.7L **¶626345398**
RSNC VIII 16 23 59 11.8–1.2 18N–3.0 74W–3.0 29–11 5.0b,4.4
ISC Event type se.
SSNC Event type se. Presumed earthquake.
SSNC VIII 16 17 16 51.3–.00 18.81N 73.59W 0–6 2.9L
¶626353432
SSNC Event type se. Presumed earthquake.
ISC VIII 17 06 59 54.4–1.1 18.41N–.06 73.58W–.07 10 26 2-13
RSNC VIII 17 06 59 57.2–2.1 18N–4.0 74W–5.0 24–21 3.7,3.7b **¶626345420**
SSNC VIII 17 06 59 58.4–.00 18.85N 73.54W 140–20 3.0L,3.7b
ISC Event type se.
SSNC Event type se. Presumed earthquake.
ISC VIII 17 04 22 15.9–1.5 18.2N–.10 73.78W–.07 10 13 2-4
JSN VIII 17 04 22 20.0–1.2 18.07N 73.73W 50–61 4.2 **¶625422757**
SSNC VIII 17 04 22 21.6–.60 18.67N 73.98W 10 2.9L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=73.2km s-min=15.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Presumed earthquake.
ISC VIII 17 03 32 23.8–1.5 18.8N–.10 74.20W–.07 10 10 1-3
SSNC VIII 17 03 32 12.9–3.0 18.81N 73.37W 247–17 3.5L **¶625422754**
JSN VIII 17 03 32 24.2–1.8 18.65N 74.20W 2–21 3.9
ISC Event type se.
SSNC Event type se. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=12.0km s-min=9.2km az=-1.0. Presumed earthquake.
SSNC VIII 17 07 28 25.8–3.0 18.65N 73.59W 10 3.0L
¶626345422
SSNC Event type se. Error ellipse: s-maj=47.5km s-min=87.2km az=-1.0. Presumed earthquake.
SSNC VIII 17 00 56 27.0–.00 18.48N 73.34W 55–247 2.9L
¶626353481
SSNC Event type se. Presumed earthquake.
ISC VIII 17 09 19 18.1–2.2 18.51N–.05 73.33W–.03 15–16 35 2-13
SSNC VIII 17 09 19 21.5–.00 18.79N 73.20W 148–17 3.6L **¶626345431**
RSNC VIII 17 09 19 22.5–1.2 18N–2.0 73W–2.0 36–22 4.0,4.0b
ISC Event type se.
SSNC Event type se. Presumed earthquake.
ISC VIII 17 09 43 14.7–1.8 18.56N–.08 73.52W–.04 2–18 24 2-11
RSNC VIII 17 09 43 16.1–.40 19N–4.0 74W–3.0 33 3.9,3.9b **¶626345432**
SSNC VIII 17 09 43 22.7–.00 18.97N 73.34W 136–13 2.9L,3.9b
ISC Event type se.
SSNC Event type se. Presumed earthquake.
SSNC VIII 17 16 37 22.5–2.4 18.56N 73.84W 5–16 3.7L,3.7
¶626353545
SSNC Event type se. Error ellipse: s-maj=11.7km s-min=10.7km az=-1.0. Presumed earthquake.
ISC VIII 17 04 57 29.8–1.5 18.40N–.04 73.56W–.02 4–11 94 1-66
NEIC VIII 17 04 57 31.5–1.3 18.47N–.06 73.55W–.03 10–1 4.1b **¶622451550**
RSNC VIII 17 04 57 32.9–.00 18N–7.0 74W–7.0 0–9 5.0b,4.3
JSN VIII 17 04 57 33.9–1.8 18.59N 73.59W 0–10 4.4,4.3
SSNC VIII 17 04 57 33.9–.60 18.61N 73.59W 10 4.7b,4.3L
OSPL VIII 17 04 57 33.8–1.6 18.47N 73.54W 7–10 4.0L,4.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.4km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JSN Event type se. Error ellipse: s-maj=12.2km s-min=5.0km az=-1.0. Presumed earthquake.
SSNC Event type se. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=-1.0. Presumed earthquake.
ISC VIII 17 08 15 46.7–1.0 18.38N–.08 73.56W–.06 10 12 2-13
RSNC VIII 17 08 15 49.3–.30 18N–3.0 74W–2.0 30 4.7b,3.9 **¶626345427**
SSNC VIII 17 08 15 52.2–2.7 18.70N 73.80W 10 3.0L,3.9
ISC Event type se.
SSNC Event type se. Presumed earthquake.
SSNC VIII 18 06 48 12.7–.66 18.26N 73.39W 10–6 3.5,2.4L
¶626353612
SSNC Event type se. Error ellipse: s-maj=8.3km s-min=8.1km az=-1.0. Presumed earthquake.
ISC VIII 18 11 25 41.2–1.1 18.43N–.08 73.51W–.04 10 28 2-4
SSNC VIII 18 11 25 42.5–.61 18.35N 73.35W 14–5 3.4,3.0L **¶625903726**
OSPL VIII 18 11 25 45.4–1.5 18.46N 73.57W 8–19 3.5L,3.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.8km s-min=6.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=8.6km s-min=9.3km az=-1.0. Presumed earthquake.
ISC VIII 18 15 47 46.9–1.0 18.54N–.05 73.59W–.03 11–6 3.9b,3.4s 55 1-154
IDC VIII 18 15 47 44.8–.68 18.68N 73.68W 0 3.9L,3.9b **¶621030387**
OSPL VIII 18 15 47 48.9–1.7 18.53N 73.56W 0–7 4.2L,3.9b
SSNC VIII 18 15 47 49.1–1.7 18.41N 73.52W 20–13 4.2,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=18.3km az=9.0.
OSPL Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=12.0km s-min=8.3km az=-1.0. Presumed earthquake.
ISC VIII 18 16 47 52.8–1.3 18.31N–.03 73.58W–.03 9–8 4.8b,3.8s 646 1-154
IDC VIII 18 16 47 51.8–.43 18.39N 73.44W 0 4.5b,4.5 **¶620996197**
SSNC VIII 18 16 47 52.9–1.6 18.33N 73.40W 20–12 4.6L,4.5
GFZ VIII 18 16 47 53.8–.15 18N–3.0 74W–2.0 10 5.0,4.7b
NEIC VIII 18 16 47 53.3–1.6 18.36N–.05 73.51W–.04 6–4 4.9b,4.7
CATAC VIII 18 16 47 53.0–.59 18N–2.0 74W–1.0 10–4 5.5b,5.5b
JSN VIII 18 16 47 54.0–2.2 18.37N 73.61W 2–15 4.9,5.5b
OSPL VIII 18 16 47 54.5–2.3 18.43N 73.56W 0–10 5.0L,5.5b
NEIC VIII 18 16 47 54.6 18.36N 73.51W 14 5.0L,5.5b
PTWC VIII 18 16 47 54 18.50N 73.60W 4.8,5.5b
ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=10.9km az=1.0.
SSNC Event type se. Error ellipse: s-maj=10.8km s-min=12.5km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=6.6km s-min=4.3km az=25.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.3km az=178.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-0.28 $M_{r\theta}$0.04 $M_{\theta\phi}$0.63 $M_{\phi r}$-0.60 NP1:ϕ_s144.53000°,δ57.53000°,λ115.09000°. NP2:ϕ_s283.44000°,δ40.17000°,λ56.33000°. Principal axes: T 1.3303,Plg67.0000°,Azm104.0000°; N -0.0410,Plg21.0000°,Azm310.0000°; P -1.2893,Plg9.0000°,Azm217.0000° $M_0$1.31000×10^{16}
CATAC Event type se. Error ellipse: s-maj=5.2km s-min=3.1km az=176.6. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.06 $M_{\theta\theta}$-4.83 $M_{\phi\phi}$-2.23 $M_{r\theta}$-0.50 $M_{\theta\phi}$5.92 $M_{\phi r}$-3.76 NP1:ϕ_s152.75446°,δ57.18876°,λ121.90302°. NP2:ϕ_s283.78351°,δ44.47930°,λ50.65880°. Principal axes: T 8.9149,Plg62.5838°,Azm116.9964°; N 0.9175,Plg26.3702°,Azm314.1049°; P -9.8324,Plg6.9707°,Azm220.6299° $M_0$9.40730×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.90 $M_{\theta\theta}$-3.70 $M_{\phi\phi}$-3.20 $M_{r\theta}$-0.71 $M_{\theta\phi}$5.88 $M_{\phi r}$-3.79 NP1:ϕ_s157.75126°,δ57.81735°,λ121.50414°. NP2:ϕ_s288.74243°,δ43.81294°,λ50.29482°. Principal axes: T 8.7881,Plg62.4826°,Azm120.8588°; N 0.8360,Plg26.2489°,Azm319.6724°; P -9.6241,Plg7.6795°,Azm225.8598° $M_0$9.23454×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.36 $M_{\theta\theta}$-4.85 $M_{\phi\phi}$-2.51 $M_{r\theta}$-0.11 $M_{\theta\phi}$6.39 $M_{\phi r}$-3.66 NP1:ϕ_s152.12496°,δ56.99335°,λ119.67257°. NP2:ϕ_s285.83895°,δ43.22753°,λ52.68879°. Principal axes: T 8.9723,Plg64.2124°,Azm115.7005°; N 1.4986,Plg24.5285°,Azm314.8824°; P -10.4709,Plg7.4719°,Azm221.4512° $M_0$9.80784×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.50 $M_{\theta\theta}$-5.31 $M_{\phi\phi}$-2.19 $M_{r\theta}$-0.57 $M_{\theta\phi}$6.11 $M_{\phi r}$-3.78 NP1:ϕ_s151.28423°,δ56.33852°,λ121.48677°. NP2:ϕ_s283.42870°,δ44.78332°,λ51.89291°. Principal axes: T 9.3218,Plg63.3580°,Azm116.7331°; N 0.9431,Plg25.7678°,Azm312.5324°; P -10.2648,Plg6.3124°,Azm219.4714° $M_0$9.82730×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.07 $M_{\theta\theta}$-5.46 $M_{\phi\phi}$-1.61 $M_{r\theta}$-1.28 $M_{\theta\phi}$5.79 $M_{\phi r}$-4.20 NP1:ϕ_s152.70330°,δ57.09502°,λ126.71401°. NP2:ϕ_s278.77478°,δ47.69894°,λ47.26470°. Principal axes: T 9.6227,Plg59.3205°,Azm118.6471°; N 0.1417,Plg30.1267°,Azm310.6489°; P -9.7644,Plg5.2653°,Azm217.5833° $M_0$9.69431×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.60 $M_{\theta\theta}$-3.97 $M_{\phi\phi}$-1.63 $M_{r\theta}$0.07 $M_{\theta\phi}$6.04 $M_{\phi r}$-3.10 NP1:ϕ_s155.67618°,δ59.72686°,λ125.72619°. NP2:ϕ_s280.70221°,δ45.48380°,λ44.99076°. Principal axes: T 7.2598,Plg58.4549°,Azm117.7876°; N 1.9752,Plg30.2839°,Azm315.7456°; P -9.2350,Plg8.0069°,Azm221.0338° $M_0$8.42292×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.10 $M_{\theta\theta}$-5.49 $M_{\phi\phi}$-1.61 $M_{r\theta}$-1.28 $M_{\theta\phi}$5.79 $M_{\phi r}$-4.20 NP1:ϕ_s152.60369°,δ57.03535°,λ126.67519°. NP2:ϕ_s278.75761°,δ47.70779°,λ47.35583°. Principal axes: T 9.6414,Plg59.3809°,Azm118.6213°; N 0.1451,Plg30.0741°,Azm310.5454°; P -9.7866,Plg5.2251°,Azm217.5099° $M_0$9.71479×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.53 $M_{\theta\theta}$-5.34 $M_{\phi\phi}$-1.19 $M_{r\theta}$-1.60 $M_{\theta\phi}$5.39 $M_{\phi r}$-4.08 NP1:ϕ_s152.67207°,δ56.80956°,λ129.32695°. NP2:ϕ_s276.42210°,δ49.65842°,λ45.90742°. Principal axes: T 9.2766,Plg57.6535°,Azm119.5551°; N -0.1695,Plg32.0293°,Azm308.5163°; P -9.1070,Plg4.0515°,Azm215.9766° $M_0$9.19296×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.07 $M_{\theta\theta}$-4.72 $M_{\phi\phi}$-1.35 $M_{r\theta}$-2.02 $M_{\theta\phi}$5.50 $M_{\phi r}$-4.47 NP1:ϕ_s156.76749°,δ58.58332°,λ132.10841°. NP2:ϕ_s276.74030°,δ50.71950°,λ42.33093°. Principal axes: T 9.5138,Plg54.7128°,Azm121.9298°; N -0.6429,Plg34.9062°,Azm311.5409°; P -8.8709,Plg4.5366°,Azm218.3671° $M_0$9.20918×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.98 $M_{\theta\theta}$-5.70 $M_{\phi\phi}$-1.27 $M_{r\theta}$-0.68 $M_{\theta\phi}$5.91 $M_{\phi r}$-3.70 NP1:ϕ_s150.25697°,δ56.73089°,λ124.99680°. NP2:ϕ_s278.33693°,δ46.77049°,λ48.84187°. Principal axes: T 9.0062,Plg60.7168°,Azm116.2659°; N 0.9448,Plg28.6548°,Azm309.2468°; P -9.9510,Plg5.5327°,Azm216.2125° $M_0$9.51388×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.09 $M_{\theta\theta}$-5.48 $M_{\phi\phi}$-1.61 $M_{r\theta}$-1.28 $M_{\theta\phi}$5.79 $M_{\phi r}$-4.20 NP1:ϕ_s152.62552°,δ57.04778°,λ126.68222°. NP2:ϕ_s278.76332°,δ47.70522°,λ47.33756°. Principal axes: T 9.6378,Plg59.3691°,Azm118.6274°; N 0.1446,Plg30.0843°,Azm310.5688°; P -9.7824,Plg5.2338°,Azm217.5269° $M_0$9.71091×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.92 $M_{\theta\theta}$-5.32 $M_{\phi\phi}$-1.60 $M_{r\theta}$-0.21 $M_{\theta\phi}$5.97 $M_{\phi r}$-3.53 NP1:ϕ_s150.13022°,δ57.02291°,λ122.06050°. NP2:ϕ_s281.12166°,δ44.68792°,λ50.71345°. Principal axes: T 8.6319,Plg62.5728°,Azm114.7039°; N 1.3104,Plg26.4422°,Azm311.3050°; P -9.9423,Plg6.7672°,Azm217.9219° $M_0$9.35618×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.50 $M_{\theta\theta}$-5.81 $M_{\phi\phi}$-1.68 $M_{r\theta}$-1.65 $M_{\theta\phi}$5.57 $M_{\phi r}$-4.35 NP1:ϕ_s151.31229°,δ55.76367°,λ126.44572°. NP2:ϕ_s278.61350°,δ48.31511°,λ48.88089°. Principal axes: T 10.1330,Plg60.2355°,Azm119.1088°; N -0.3574,Plg29.4145°,Azm308.7502°; P -9.7756,Plg4.1533°,Azm216.4038° $M_0$9.95912×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.29 $M_{\theta\theta}$-6.02 $M_{\phi\phi}$-1.27 $M_{r\theta}$-0.70 $M_{\theta\phi}$5.50 $M_{\phi r}$-3.61 NP1:ϕ_s147.32862°,δ55.30859°,λ122.78222°. NP2:ϕ_s278.79758°,δ46.26874°,λ51.96749°. Principal axes: T 9.1010,Plg63.0321°,Azm114.9205°; N 0.6527,Plg26.4357°,Azm307.1984°; P -9.7537,Plg4.9538°,Azm214.7285° $M_0$9.44426×10^{15}
JSN Event type se. Error ellipse: s-maj=11.9km s-min=5.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=9.4km s-min=7.1km az=-1.0. Presumed earthquake.
NEIC Event type se.
PTWC HAITI REGION.
ISC VIII 18 13 05 10.7–3.7 18.52N–.07 73.47W–.04 8–26 32 2-5
SSNC VIII 18 13 05 13.5–1.7 18.46N 73.51W 9 3.4,3.1L **¶625903727**
OSPL VIII 18 13 05 14.3–1.7 18.53N 73.42W 9–11 3.5L,3.1L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=18.9km s-min=7.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=6.4km s-min=5.3km az=-1.0. Presumed earthquake.
ISC VIII 19 01 12 31.2–.96 18.66N–.06 73.86W–.03 10 26 2-4
JSN VIII 19 01 12 33.3–2.0 18.75N 73.86W 0–16 4.2 **¶625422819**
SSNC VIII 19 01 12 34.0–2.4 18.45N 73.88W 5–13 3.5L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=25.3km s-min=6.9km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=22.5km s-min=8.3km az=-1.0. Presumed earthquake.
ISC VIII 18 14 08 29.1–2.4 18.46N–.08 73.39W–.04 4–19 30 2-5
SSNC VIII 18 14 08 30.2–1.9 17.89N 73.50W 19–20 3.4 **¶625903728**
OSPL VIII 18 14 08 32.9–1.2 18.45N 73.34W 4–12 3.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=16.8km s-min=8.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.3km s-min=6.8km az=-1.0. Presumed earthquake.
ISC VIII 19 06 42 23.0–1.2 18.33N–.10 73.61W–.04 10 22 2-5
SSNC VIII 19 06 42 23.5–2.2 18.02N 73.65W 7–23 3.6 **¶625422820**
JSN VIII 19 06 42 25.6–1.4 18.69N 73.61W 0–21 3.6
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=22.0km s-min=8.5km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=19.4km s-min=6.7km az=-1.0. Presumed earthquake.
ISC VIII 19 04 12 45.6–1.9 18.48N–.08 73.58W–.04 6–13 28 1-5
OSPL VIII 19 04 12 46.7–1.2 18.42N 73.60W 0–5 3.0L **¶625903747**
SSNC VIII 19 04 12 49.1–2.2 18.39N 73.65W 15–19 3.4,2.6L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=5.7km s-min=6.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=14.5km s-min=8.3km az=-1.0. Presumed earthquake.
ISC VIII 19 06 53 32.7–1.3 18.48N–.09 73.66W–.04 10 18 2-4
JSN VIII 19 06 53 33.7–.95 18.82N 73.67W 0–8 4.0 **¶625422821**
SSNC VIII 19 06 53 33.8–2.3 18.26N 73.75W 13–66 3.5,2.7L

ISC Event type se.
JSN Event type se. Error ellipse: s-maj=12.8km s-min=3.2km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=37.7km s-min=15.4km az=-1.0. Presumed earthquake.
SSNC VIII 19 11 04 29.3–1.7 17.89N 73.38W 34–999 3.7,2.8L
¶626353707
SSNC Event type se. Error ellipse: s-maj=276.4km s-min=247.6km az=-1.0. Presumed earthquake.
ISC VIII 19 03 57 34.9–1.5 18.41N–.04 73.60W–.02 1–9 4.5b,3.5s 304 1-154
IDC VIII 19 03 57 34.9–.43 18.42N 73.47W 0 4.2b,4.2 **¶622451599**
NEIC VIII 19 03 57 35.8 18.39N 73.56W 2 4.2b,4.2
CATAC VIII 19 03 57 36.6–.48 18N–2.0 74W–1.0 7–3 5.1b,5.0b
NEIC VIII 19 03 57 36.7–1.7 18.42N–.05 73.60W–.04 13–3 4.5b,4.2
OSPL VIII 19 03 57 37.6–2.1 18.41N 73.56W 0–10 4.4L,4.2
SSNC VIII 19 03 57 37.1–2.2 18.38N 73.62W 5–23 4.4L,3.7
JSN VIII 19 03 57 37.0–1.7 18.17N 73.54W 0–21 4.7,3.7
GFZ VIII 19 03 57 38.1–.23 18N–4.0 74W–3.0 10 4.4b,4.4
ISC Event type se.
NEIC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.92 $M_{\theta\theta}$-1.85 $M_{\phi\phi}$-0.07 $M_{r\theta}$1.29 $M_{\theta\phi}$0.16 $M_{\phi r}$0.49 NP1:ϕ_s80.96207° ,δ63.08510°,λ77.41065°. NP2:ϕ_s287.22235°,δ29.51329°,λ113.23625°. Principal axes: T 2.4318,Plg69.2989°,Azm325.1132°; N -0.1814,Plg11.2069°,Azm86.7348° ; P -2.2504,Plg17.1737°,Azm180.2453° $M_0$2.34637×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.89 $M_{\theta\theta}$-1.80 $M_{\phi\phi}$-0.09 $M_{r\theta}$1.38 $M_{\theta\phi}$0.17 $M_{\phi r}$0.46 NP1:ϕ_s81.91378°,δ64.11596°,λ78.29829°. NP2:ϕ_s287.29571°,δ28.23905°,λ112.68396°. Principal axes: T 2.4467,Plg68.6913°,Azm328.6696°; N -0.1828,Plg10.5137°,Azm87.0804° ; P -2.2639,Plg18.3161°,Azm180.6025° $M_0$2.36064×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.92 $M_{\theta\theta}$-1.85 $M_{\phi\phi}$-0.07 $M_{r\theta}$1.29 $M_{\theta\phi}$0.16 $M_{\phi r}$0.49 NP1:ϕ_s80.96221°,δ63.08505°,λ77.41070°. NP2:ϕ_s287.22235°,δ29.51331°,λ113.23612°. Principal axes: T 2.4318,Plg69.2990°,Azm325.1134°; N -0.1814,Plg11.2068°,Azm86.7349° ; P -2.2505,Plg17.1737°,Azm180.2454° $M_0$2.34640×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.89 $M_{\theta\theta}$-1.80 $M_{\phi\phi}$-0.09 $M_{r\theta}$1.38 $M_{\theta\phi}$0.17 $M_{\phi r}$0.46 NP1:ϕ_s81.91375°,δ64.11599°,λ78.29830°. NP2:ϕ_s287.29570°,δ28.23902°,λ112.68399°. Principal axes: T 2.4467,Plg68.6913°,Azm328.6696°; N -0.1828,Plg10.5137°,Azm87.0803° ; P -2.2639,Plg18.3161°,Azm180.6025° $M_0$2.36063×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.23 $M_{\theta\theta}$-1.37 $M_{\phi\phi}$0.14 $M_{r\theta}$2.36 $M_{\theta\phi}$0.30 $M_{\phi r}$0.22 NP1:ϕ_s86.44000°,δ75.89000°,λ81.65000°. NP2:ϕ_s297.47000°,δ16.35000° ,λ120.00000°. Principal axes: T 2.6687,Plg58.0000°,Azm345.0000°; N 0.1010,Plg8.0000° ,Azm88.0000°; P -2.7696,Plg30.0000°,Azm183.0000° $M_0$2.72000×10^{15}
OSPL Event type se. Presumed earthquake.
SSNC Event type se. Presumed earthquake.
JSN Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 20 03 45 30.7–1.4 18.48N–.06 73.62W–.03 1–13 28 1-4
OSPL VIII 20 03 45 37.1–2.1 18.46N 73.57W 0–11 2.9L **¶625903772**
SSNC VIII 20 03 45 40.1–.26 18.73N 73.52W 2–1 3.2,2.7L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=14.9km s-min=12.4km az=-1.0. Confirmed Rockburst.
SSNC Event type se. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0. Presumed earthquake.
ISC VIII 20 04 23 02.1–1.2 18.52N–.08 73.72W–.05 10 21 2-4
SSNC VIII 20 04 23 03.4–1.3 18.31N 73.78W 5 3.6,3.4L **¶625422849**
JSN VIII 20 04 23 03.7–1.6 19.05N 73.72W 0–18 4.2,3.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.7km s-min=7.9km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=83.5km s-min=13.1km az=-1.0. Presumed earthquake.
ISC VIII 20 20 30 53.3–1.6 18.43N–.06 73.89W–.03 5–13 38 1-5
OSPL VIII 20 20 31 00.2–1.4 18.47N 73.71W 0–6 3.3L **¶625903777**
SSNC VIII 20 20 31 02.1–2.7 18.64N 73.79W 7–16 3.6,3.0L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=7.0km s-min=7.4km az=-1.0. Confirmed Rockburst.
SSNC Event type se. Error ellipse: s-maj=12.9km s-min=6.8km az=-1.0. Presumed earthquake.
ISC VIII 20 05 38 43.7–1.3 18.41N–.04 73.30W–.03 7–8 4.2b,3.5s 235 1-154
IDC VIII 20 05 38 43.8–.57 18.60N 73.21W 0 4.0b,4.0 **¶620998514**
NEIC VIII 20 05 38 44.2–1.8 18.53N–.06 73.30W–.04 10–2 4.0b,4.0
CATAC VIII 20 05 38 44.1–.50 18N–2.0 73W–1.0 16–3 4.8b,4.7
OSPL VIII 20 05 38 45.1–2.2 18.46N 73.30W 0–10 4.2L,4.7
GFZ VIII 20 05 38 45.3–.23 18N–4.0 73W–3.0 10 4.3b,4.3
JSN VIII 20 05 38 45.0–2.2 19.05N 73.33W 0–19 4.5,4.3
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=11.5km az=2.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.7km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=4.0km s-min=2.4km az=176.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
OSPL Event type se. Error ellipse: s-maj=8.3km s-min=10.8km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
JSN Event type se. Error ellipse: s-maj=28.7km s-min=10.5km az=-1.0. Presumed earthquake.
ISC VIII 21 05 12 53.9–1.9 18.7N–.10 73.50W–.04 6–14 35 1-5
OSPL VIII 21 05 12 57.7–1.6 18.44N 73.49W 0–9 3.1L **¶625903790**
SSNC VIII 21 05 12 57.2–3.5 18.36N 73.60W 0–19 3.1L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=10.1km s-min=8.0km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=33.2km s-min=11.4km az=-1.0. Presumed earthquake.
ISC VIII 21 06 21 11.4–1.8 18.55N–.09 73.55W–.05 7–13 24 1-3
SSNC VIII 21 06 21 12.7–1.5 18.57N 73.34W 8–14 2.8L **¶625903791**
OSPL VIII 21 06 21 13.2–1.2 18.47N 73.54W 0–6 2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=21.9km s-min=17.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=6.6km s-min=7.4km az=-1.0. Presumed earthquake.
SSNC VIII 21 08 50 26.4–2.5 18.21N 73.12W 34–999 3.0L
¶626353789
SSNC Event type se. Error ellipse: s-maj=883.4km s-min=971.9km az=-1.0. Presumed earthquake.
ISC VIII 22 08 21 16.2–2.0 18.5N–.10 73.71W–.07 9–14 19 1-3
OSPL VIII 22 08 21 17.8–1.3 18.48N 73.70W 0–8 2.5L **¶625903825**
SSNC VIII 22 08 21 19.4–.61 18.58N 73.80W 5–8 2.8L,2.8
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=10.4km s-min=9.5km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=7.7km s-min=3.4km az=-1.0. Presumed earthquake.
ISC VIII 21 07 34 06.9–1.6 18.8N–.10 73.72W–.06 7–12 24 1-3
SSNC VIII 21 07 34 06.0–1.2 18.46N 73.53W 18–10 3.0L **¶625903794**
OSPL VIII 21 07 34 08.3–1.5 18.46N 73.86W 0–10 2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=14.2km s-min=14.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=17.7km s-min=10.4km az=-1.0. Presumed earthquake.
ISC VIII 21 11 20 38.2–3.8 18.39N–.10 74.02W–.05 13–27 31 2-4
OSPL VIII 21 11 20 40.3–2.2 18.41N 73.94W 0–13 3.2L **¶625903795**
SSNC VIII 21 11 20 40.6–3.6 18.38N 74.06W 10–24 3.2L,3.2
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=13.7km s-min=18.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=28.7km s-min=16.3km az=-1.0. Presumed earthquake.
ISC VIII 21 09 32 39.3–3.0 18.57N–.05 73.59W–.03 3–22 65 2-14
OSPL VIII 21 09 32 42.7–1.6 18.54N 73.84W 31–185 3.7L **¶625172467**
JSN VIII 21 09 32 43.9–1.1 18.95N 73.66W 13–20 4.1
RSNC VIII 21 09 32 43.0–.50 19N–7.0 74W–6.0 126–19 6.0b,5.5
SSNC VIII 21 09 32 43.4–3.4 18.60N 73.59W 4–15 3.8L,5.5
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=13.6km s-min=116.7km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=13.5km s-min=5.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=15.4km s-min=8.3km az=-1.0. Presumed earthquake.
ISC VIII 21 18 47 30.3–1.5 18.37N–.03 73.53W–.03 5–10 4.4b,3.5s 250 1-154
IDC VIII 21 18 47 31.2–.54 18.52N 73.39W 0 4.0b,4.0 **¶621043014**
NEIC VIII 21 18 47 31.6–2.0 18.42N–.06 73.55W–.05 11–4 4.4b,4.0
CATAC VIII 21 18 47 31.7–.19 18N–2.0 74W–1.0 1 5.0b,4.8b
OSPL VIII 21 18 47 32.8–7.2 18.35N 73.49W 5–30 4.3L,4.8b
SSNC VIII 21 18 47 32.7–2.6 18.44N 73.55W 10–14 4.4L,4.4
JSN VIII 21 18 47 32.2–1.3 18.48N 73.53W 0–9 4.4,4.4
RSNC VIII 21 18 47 41.6–.70 18N–4.0 73W–9.0 0 5.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.67 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-0.46 $M_{r\theta}$0.12 $M_{\theta\phi}$0.90 $M_{\phi r}$-1.02 NP1:ϕ_s144.84469° ,δ59.35612°,λ113.80680°. NP2:ϕ_s283.96539°,δ38.08040°,λ55.73145°. Principal axes: T 2.0914,Plg66.4927°,Azm100.5366°; N -0.1516,Plg20.3213°,Azm312.1710° ; P -1.9398,Plg11.3139°,Azm217.9219° $M_0$2.01990×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.67 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.06 $M_{\theta\phi}$0.93 $M_{\phi r}$-0.98 NP1:ϕ_s144.76981°,δ58.34741°,λ115.03894°. NP2:ϕ_s283.09511°,δ39.53410°,λ55.52867°. Principal axes: T 2.0807,Plg66.4082°,Azm103.1675°; N -0.1325,Plg21.1172°,Azm310.9961° ; P -1.9482,Plg10.0371°,Azm217.0764° $M_0$2.01773×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.67 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-0.46 $M_{r\theta}$0.12 $M_{\theta\phi}$0.90 $M_{\phi r}$-1.02 NP1:ϕ_s144.84469°,δ59.35612°,λ113.80680°. NP2:ϕ_s283.96539°,δ38.08040°,λ55.73145°. Principal axes: T 2.0914,Plg66.4927°,Azm100.5366°; N -0.1516,Plg20.3213°,Azm312.1710° ; P -1.9398,Plg11.3139°,Azm217.9219° $M_0$2.01990×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.62 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-0.40 $M_{r\theta}$0.10 $M_{\theta\phi}$0.91 $M_{\phi r}$-1.03 NP1:ϕ_s145.30872°,δ59.60911°,λ115.42253°. NP2:ϕ_s282.09377°,δ38.82485°,λ53.79683°. Principal axes: T 2.0676,Plg65.3134°,Azm101.9281°; N -0.1421,Plg21.7343°,Azm311.7880° ; P -1.9255,Plg11.1373°,Azm217.2868° $M_0$2.00755×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.68 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-0.45 $M_{r\theta}$0.04 $M_{\theta\phi}$0.94 $M_{\phi r}$-0.96 NP1:ϕ_s144.84902°,δ57.88211°,λ115.05799°. NP2:ϕ_s283.52087°,δ39.89330°,λ55.99227°. Principal axes: T 2.0760,Plg66.7024°,Azm104.0686°; N -0.1249,Plg21.0213°,Azm310.8897° ; P -1.9511,Plg9.5889°,Azm217.1673° $M_0$2.01642×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.67 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-0.46 $M_{r\theta}$0.12 $M_{\theta\phi}$0.90 $M_{\phi r}$-1.02 NP1:ϕ_s144.84469°,δ59.35612°,λ113.80680°. NP2:ϕ_s283.96539°,δ38.08040°,λ55.73145°. Principal axes: T 2.0914,Plg66.4927°,Azm100.5366°; N -0.1516,Plg20.3213°,Azm312.1710° ; P -1.9398,Plg11.3139°,Azm217.9219° $M_0$2.01990×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.62 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-0.40 $M_{r\theta}$0.10 $M_{\theta\phi}$0.91 $M_{\phi r}$-1.03 NP1:ϕ_s145.30872°,δ59.60911°,λ115.42253°. NP2:ϕ_s282.09377°,δ38.82485°,λ53.79683°. Principal axes: T 2.0676,Plg65.3134°,Azm101.9281°; N -0.1421,Plg21.7343°,Azm311.7880° ; P -1.9255,Plg11.1373°,Azm217.2868° $M_0$2.00036×10^{15}
OSPL Event type se. Confirmed Rockburst.
SSNC Event type se. Presumed earthquake.
JSN Event type se. Presumed earthquake.
ISC VIII 22 09 01 29.8–2.2 18.6N–.10 73.74W–.07 2–14 20 1-5
OSPL VIII 22 09 01 31.4–2.9 18.50N 73.83W 0–21 2.9L **¶625903826**
SSNC VIII 22 09 01 31.6–2.1 18.42N 73.67W 11–957 2.6L,2.6
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=36.4km s-min=21.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=415.0km s-min=413.8km az=-1.0. Presumed earthquake.
ISC VIII 23 01 39 39.9–3.7 18.64N–.07 73.74W–.05 2–27 22 2-4
JSN VIII 23 01 39 40.5–1.4 18.53N 73.75W 0–15 4.0 **¶625422917**
SSNC VIII 23 01 39 42.3–2.6 18.46N 73.70W 18–22 3.2
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=11.8km s-min=7.1km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=19.1km s-min=12.8km az=-1.0. Presumed earthquake.
ISC VIII 22 18 05 48.9–1.9 18.49N–.07 73.67W–.04 2–13 35 1-5
SSNC VIII 22 18 05 51.8–1.3 18.35N 73.70W 5 3.4,2.8L **¶625903828**
OSPL VIII 22 18 05 52.4–8.1 18.37N 73.62W 12–28 3.2L,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.1km s-min=8.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=24.5km s-min=21.6km az=-1.0. Presumed earthquake.
ISC VIII 22 23 27 11.9–.84 18.50N–.03 73.61W–.02 16–5 4.5b 335 1-154
JSN VIII 22 23 27 11.9–2.5 19.01N 73.58W 0–16 4.3 **¶621000829**
GFZ VIII 22 23 27 11.0–.15 19N–2.0 74W–2.0 10 4.5b,4.5
CATAC VIII 22 23 27 12.1–.70 19N–3.0 74W–2.0 6–5 5.7b,5.2
NEIC VIII 22 23 27 12.2–1.3 18.58N–.05 73.62W–.04 10–1 4.5b,5.2
SSNC VIII 22 23 27 12.0–1.4 18.49N 73.61W 5 4.4L,4.0
OSPL VIII 22 23 27 14.2–1.6 18.60N 73.59W 9–11 4.3L,4.0
IDC VIII 22 23 27 16.1–2.1 18.45N 73.57W 45–21 4.1,3.8b
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=16.0km s-min=11.8km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. Error ellipse: s-maj=7.1km s-min=3.9km az=11.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$1.29 $M_{\phi\phi}$-0.36 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.21 $M_{\phi r}$1.44 NP1:ϕ_s124.01923° ,δ46.64210°,λ-33.52973°. NP2:ϕ_s238.48155°,δ66.32073°,λ-131.43823°. Principal axes: T 1.3633,Plg11.6236°,Azm357.0214°; N 0.8079,Plg37.3075°,Azm258.0035° ; P -2.1713,Plg50.3047°,Azm101.3692° $M_0$1.90077×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=6.3km s-min=5.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=6.1km s-min=4.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=14.6km s-min=11.9km az=53.0.
SSNC VIII 22 13 50 49.9–1.4 18.34N 73.85W 12–469 3.1,2.2L
¶626715709
SSNC Event type se. Error ellipse: s-maj=218.6km s-min=181.4km az=-1.0. Presumed earthquake.
ISC VIII 22 06 42 41.0–2.0 18.50N–.09 73.60W–.05 7–16 29 1-5
SSNC VIII 22 06 42 41.6–1.5 18.36N 73.40W 14–393 2.9L,2.9 **¶625903824**
OSPL VIII 22 06 42 43.6–7.2 18.46N 73.54W 4–36 3.4L,2.9
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=101.0km s-min=91.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=24.2km s-min=18.8km az=-1.0. Presumed earthquake.
ISC VIII 24 18 29 37.9–1.9 18.32N–.09 73.89W–.05 14–15 33 1-5
SSNC VIII 24 18 29 39.6–2.2 18.28N 73.77W 20–15 2.9W,2.8L **¶625903881**
OSPL VIII 24 18 29 41.3–8.0 18.43N 73.81W 5–32 3.2L,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=12.6km s-min=12.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=38.0km s-min=26.5km az=-1.0. Presumed earthquake.
ISC VIII 23 09 15 31.6–1.1 18.49N–.05 73.90W–.03 10 34 1-5
SSNC VIII 23 09 15 31.4–1.4 18.40N 73.84W 5 3.2,2.9L **¶625422918**
JSN VIII 23 09 15 32.5–1.9 18.56N 73.97W 0–22 4.1,2.9L
OSPL VIII 23 09 15 33.7–7.4 18.40N 73.83W 5–32 3.4L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.1km s-min=20.0km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=14.3km s-min=9.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=31.5km s-min=26.3km az=-1.0. Presumed earthquake.
ISC VIII 23 09 24 10.6–.80 18.35N–.04 73.86W–.02 20–7 100 1-23
SSNC VIII 23 09 24 09.8–1.0 18.36N 73.85W 5 3.5L,3.4 **¶625172589**
RSNC VIII 23 09 24 09.1–.30 18N–3.0 74W–3.0 0 5.5b,5.0
CATAC VIII 23 09 24 10.7–.93 18N–2.0 74W–2.0 21–7 5.5b,4.9
OSPL VIII 23 09 24 11.6–6.9 18.43N 73.84W 5–34 3.9L,4.9
JSN VIII 23 09 24 12.4–2.2 18.48N 73.95W 19–48 4.1,4.9
ISC Event type se.

SSNC Event type se. Error ellipse: s-maj=6.5km s-min=14.0km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=4.7km s-min=3.5km az=58.1. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
OSPL Event type se. Error ellipse: s-maj=28.8km s-min=24.7km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=15.6km s-min=11.5km az=-1.0. Presumed earthquake.
ISC VIII 24 05 36 16.2–1.6 18.62N–.07 73.95W–.06 35 18 2-4
SSNC VIII 24 05 36 12.8–.34 18.45N 73.85W 10–34 3.2L **¶625422951**
JSN VIII 24 05 36 13.2–1.7 18.62N 73.99W 1–19 4.1
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=14.0km s-min=12.1km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=12.4km s-min=8.3km az=-1.0. Presumed earthquake.
ISC VIII 25 04 31 56.9–1.4 18.47N–.06 73.64W–.03 3–11 44 1-4
OSPL VIII 25 04 32 02.4–.98 18.53N 73.62W 0–4 2.9L **¶625903895**
SSNC VIII 25 04 32 04.8–2.5 18.56N 73.58W 18–17 3.0L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=14.5km s-min=8.4km az=-1.0. Presumed earthquake.
ISC VIII 24 19 57 51.7–3.2 18.23N–.08 74.40W–.05 6–24 30 2-4
SSNC VIII 24 19 57 55.5–2.3 18.18N 74.40W 7–17 3.3,2.6L **¶625903882**
OSPL VIII 24 19 57 59.0–7.0 18.48N 74.12W 8–62 3.0L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=11.6km s-min=10.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=101.6km s-min=68.8km az=-1.0. Presumed earthquake.
SSNC VIII 25 04 46 22.4–.82 18.45N 73.55W 20–6 2.8L
¶626676431
SSNC Event type se. Error ellipse: s-maj=8.3km s-min=6.9km az=-1.0. Presumed earthquake.
ISC VIII 25 10 51 34.6–1.2 18.48N–.03 73.59W–.02 17–7 4.1b 245 1-154
IDC VIII 25 10 51 31.8–.56 18.40N 73.53W 0 4.0,3.9b **¶621058928**
CATAC VIII 25 10 51 33.6–.64 18N–2.0 74W–2.0 7–4 5.2b,4.8b
NEIC VIII 25 10 51 34.5–1.9 18.47N–.04 73.55W–.04 10–5 4.1b,4.8b
PTWC VIII 25 10 51 35 18.50N 73.60W 4.6,4.8b
SSNC VIII 25 10 51 35.8–1.9 18.41N 73.55W 8–14 4.2,3.9L
OSPL VIII 25 10 51 36.1–1.6 18.51N 73.56W 0–6 4.3L,3.9L
JSN VIII 25 10 51 37.0–1.1 18.52N 73.59W 8–10 4.0,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=11.7km az=16.0.
CATAC Event type se. Error ellipse: s-maj=4.5km s-min=4.0km az=134.5. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=3.2km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PTWC HAITI REGION.
SSNC Event type se. Error ellipse: s-maj=8.3km s-min=6.7km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=5.4km s-min=2.9km az=-1.0. Presumed earthquake.
ISC VIII 26 02 37 54.2–1.8 18.51N–.07 73.45W–.04 16–14 26 1-3
SSNC VIII 26 02 37 54.9–.87 18.49N 73.33W 11–8 3.2,2.6L **¶625903918**
OSPL VIII 26 02 37 55.2–1.7 18.47N 73.51W 0–7 3.1L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=14.2km s-min=10.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=7.2km s-min=4.8km az=-1.0. Presumed earthquake.
ISC VIII 28 00 11 05.8–1.2 18.46N–.10 73.53W–.05 10 26 1-3
OSPL VIII 28 00 11 09.4–8.0 18.39N 73.50W 0–28 3.4L **¶625903950**
SSNC VIII 28 00 11 09.1–1.9 18.41N 73.59W 5–20 3.7,2.9L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=22.6km s-min=14.9km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=27.7km s-min=11.1km az=-1.0. Presumed earthquake.
ISC VIII 26 04 01 49.8–1.1 19.89N–.09 72.59W–.03 12–11 24 1-3
SSNC VIII 26 04 01 52.5–1.9 18.53N 73.42W 10–86 2.5L,2.5 **¶625903919**
OSPL VIII 26 04 01 55.2–.97 19.80N 72.42W 0–4 2.0L,2.5
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=52.6km s-min=32.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.2km s-min=2.3km az=-1.0. Presumed earthquake.
ISC VIII 26 04 33 31.0–.88 18.45N–.04 74.02W–.02 10 46 1-4
OSPL VIII 26 04 33 33.9–1.8 18.48N 73.98W 0–12 3.5L **¶625423021**
JSN VIII 26 04 33 34.5–2.1 18.58N 74.10W 0–18 3.8
SSNC VIII 26 04 33 34.3–2.3 18.31N 74.04W 10 3.2L,3.2
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=11.1km s-min=7.4km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=17.1km s-min=8.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=12.4km s-min=12.1km az=-1.0. Presumed earthquake.
ISC VIII 28 22 07 09.9–.71 18.46N–.04 73.62W–.02 10 109 1-12
CATAC VIII 28 22 07 12.1–.25 19N–2.0 74W–2.0 1 4.9b,4.3b **¶622451763**
NEIC VIII 28 22 07 12.3–1.0 18.50N–.02 73.60W–.05 12–7 3.8L,4.3b
OSPL VIII 28 22 07 13.4–7.0 18.41N 73.58W 2–24 3.9L,4.3b
SSNC VIII 28 22 07 13.4–1.7 18.30N 73.58W 16–11 4.4W,3.9
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.9km s-min=3.1km az=20.0. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=1.9km az=67.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=16.3km s-min=12.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=8.5km s-min=4.8km az=-1.0. Presumed earthquake.
ISC VIII 27 19 57 15.8–1.3 18.83N–.05 73.48W–.02 8–11 49 1-5
SSNC VIII 27 19 57 15.6–1.2 18.16N 73.53W 20–10 3.6,3.5L **¶625423061**
JSN VIII 27 19 57 18.6–1.8 18.72N 73.59W 0–10 4.0,3.5L
OSPL VIII 27 19 57 18.8–1.6 18.53N 73.56W 0–6 3.7L,3.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.4km s-min=12.2km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=15.5km s-min=5.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=6.1km s-min=4.4km az=-1.0. Presumed earthquake.
ISC VIII 27 20 28 32.7–2.4 18.51N–.04 74.13W–.03 4–16 4.2b,3.2s 164 1-153
IDC VIII 27 20 28 32.0–.83 18.42N 74.02W 0 3.9b,3.9 **¶621072175**
JSN VIII 27 20 28 33.7–2.1 18.71N 74.14W 0–17 4.5,3.9
CATAC VIII 27 20 28 33.8–1.1 18N–2.0 74W–2.0 10–8 5.3,5.1
NEIC VIII 27 20 28 34.6–1.6 18.50N–.06 74.12W–.02 14–4 4.2b,5.1
OSPL VIII 27 20 28 36.4–1.6 18.52N 74.11W 12–16 4.2L,5.1
SSNC VIII 27 20 28 36.6–1.1 18.48N 74.19W 18–10 4.2,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=17.4km az=6.0.
JSN Event type se. Error ellipse: s-maj=13.7km s-min=10.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=5.2km s-min=4.1km az=13.5. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=1.7km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=9.9km s-min=5.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VIII 28 09 29 41.3–3.0 18.4N–.10 74.27W–.06 19–9 26 2-4
SSNC VIII 28 09 29 40.0–1.6 18.38N 73.86W 7–15 3.9,2.6L **¶625903952**
OSPL VIII 28 09 29 43.1–.81 18.49N 74.15W 0–7 2.9L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.8km s-min=19.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=8.0km s-min=5.7km az=-1.0. Presumed earthquake.
ISC VIII 29 09 20 58.6–2.2 18.47N–.08 74.13W–.05 24–20 31 1-3
SSNC VIII 29 09 20 57.7–1.4 18.39N 73.96W 13–11 3.7,2.4L **¶625903963**
OSPL VIII 29 09 20 58.4–7.7 18.40N 74.14W 7–38 3.3L,2.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.5km s-min=8.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=42.7km s-min=32.8km az=-1.0. Presumed earthquake.
ISC VIII 29 11 23 15.5–1.8 18.51N–.09 73.80W–.06 14–14 31 1-5
SSNC VIII 29 11 23 15.2–1.3 18.32N 73.68W 10–9 3.7,2.7L **¶625903964**
OSPL VIII 29 11 23 17.8–8.0 18.45N 73.79W 5–35 3.2L,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.1km s-min=7.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=29.9km s-min=23.2km az=-1.0. Presumed earthquake.

ISC VIII 29 03 19 13.7–1.7 18.46N–.05 73.52W–.03 6–13 47 1-4
JSN VIII 29 03 19 15.8–2.2 18.55N 73.56W 0–23 4.2 **¶625423111**
OSPL VIII 29 03 19 16.2–7.1 18.47N 73.46W 0–27 3.8L
SSNC VIII 29 03 19 16.2–1.4 18.37N 73.45W 15–10 4.3W,4.0
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=15.2km s-min=10.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=19.3km s-min=13.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=9.9km s-min=4.4km az=-1.0. Presumed earthquake.
ISC VIII 30 02 16 45.6–1.7 18.60N–.08 73.78W–.04 6–12 36 1-5
SSNC VIII 30 02 16 46.1–1.2 18.31N 73.63W 10–9 3.6,2.7L **¶625903987**
OSPL VIII 30 02 16 48.4–7.1 18.40N 73.79W 5–25 3.2L,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.9km s-min=8.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=28.1km s-min=20.4km az=-1.0. Presumed earthquake.
ISC VIII 29 07 02 55.4–3.2 18.55N–.09 73.58W–.04 2–23 35 1-5
OSPL VIII 29 07 02 59.4–7.3 18.46N 73.57W 5–24 3.6L **¶625903961**
SSNC VIII 29 07 02 59.5–1.3 18.43N 73.59W 20–10 3.7,2.8L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=22.8km s-min=15.1km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=8.8km s-min=4.2km az=-1.0. Presumed earthquake.
ISC VIII 30 02 37 58.9–1.4 18.72N–.07 73.99W–.03 14–11 42 1-4
SSNC VIII 30 02 38 01.9–1.4 18.63N 73.97W 20–9 3.6,3.0L **¶625903988**
OSPL VIII 30 02 38 02.8–6.0 18.75N 73.96W 5–31 3.4L,3.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.9km s-min=5.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=23.1km s-min=20.9km az=-1.0. Presumed earthquake.
SSNC VIII 30 10 06 38.9–.61 18.42N 74.01W 7–5 3.0,1.5L
¶626354191
SSNC Event type se. Error ellipse: s-maj=5.1km s-min=4.2km az=-1.0. Presumed earthquake.
ISC VIII 30 04 38 29.0–1.8 18.38N–.08 73.62W–.04 6–13 39 1-4
SSNC VIII 30 04 38 31.1–1.4 18.31N 73.57W 14–9 3.7,2.6L **¶625903989**
OSPL VIII 30 04 38 31.3–6.6 18.38N 73.54W 0–24 3.2L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.8km s-min=4.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=16.3km s-min=12.4km az=-1.0. Presumed earthquake.
ISC VIII 31 02 58 47.5–1.5 18.36N–.07 73.61W–.04 7–13 34 1-4
SSNC VIII 31 02 58 51.6–1.2 18.34N 73.28W 14–11 3.2,2.7L **¶625904009**
OSPL VIII 31 02 58 53.5–6.3 18.43N 73.43W 0–25 3.1L,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.8km s-min=10.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=16.7km s-min=12.6km az=-1.0. Presumed earthquake.
ISC VIII 30 11 33 44.4–2.4 18.42N–.09 73.55W–.04 2–20 34 1-4
SSNC VIII 30 11 33 46.7–.78 18.32N 73.48W 11–7 3.2,2.7L **¶625903993**
OSPL VIII 30 11 33 49.0–6.1 18.50N 73.52W 0–22 3.3L,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.1km s-min=6.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=14.6km s-min=11.0km az=-1.0. Presumed earthquake.
ISC IX 01 09 33 51.6–1.7 18.42N–.08 73.63W–.05 9–13 25 1-3
SSNC IX 01 09 33 56.8–1.2 18.47N 73.32W 20–12 3.4,2.1L **¶625904023**
OSPL IX 01 09 33 56.1–7.1 18.44N 73.47W 6–28 2.7L,2.1L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.9km s-min=14.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=23.8km s-min=15.1km az=-1.0. Presumed earthquake.
SSNC VIII 31 03 56 07.6–1.1 18.37N 73.50W 7–10 3.1,2.6L
¶626354212
SSNC Event type se. Error ellipse: s-maj=10.7km s-min=8.7km az=-1.0. Presumed earthquake.
SSNC IX 02 14 55 49.6–1.5 18.29N 73.44W 16–13 3.8,2.7L
¶626357980
SSNC Event type se. Error ellipse: s-maj=9.7km s-min=8.5km az=-1.0. Presumed earthquake.
ISC IX 01 23 44 36.7–2.4 18.6N–.10 73.39W–.06 3–16 34 1-3
SSNC IX 01 23 44 34.4–2.3 18.44N 73.05W 2–39 4.1,3.2L **¶625904024**
OSPL IX 01 23 44 38.7–7.1 18.38N 73.46W 4–28 3.4L,3.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=41.2km s-min=22.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=23.4km s-min=14.3km az=-1.0. Presumed earthquake.
SSNC IX 03 13 10 58.6–1.1 20.35N 73.18W 16–10 2.8,2.7L
¶626358032
SSNC Event type se. Error ellipse: s-maj=14.2km s-min=4.1km az=-1.0. Presumed earthquake.
ISC IX 04 00 44 40.0–.86 18.43N–.04 74.16W–.03 10 45 1-4
SSNC IX 04 00 44 41.7–1.1 18.23N 73.93W 25–8 3.5,3.2L **¶625423304**
OSPL IX 04 00 44 43.9–6.8 18.42N 74.13W 5–33 3.4L,3.2L
JSN IX 04 00 44 44.0–1.4 18.53N 74.27W 0–14 3.3,3.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=4.8km s-min=6.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=26.6km s-min=14.8km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=9.1km s-min=7.1km az=-1.0. Presumed earthquake.
ISC IX 04 04 38 44.7–1.8 18.30N–.05 72.01W–.04 9–13 26 1-4
SSNC IX 04 04 38 46.1–2.0 18.36N 71.84W 7–21 3.6,2.5L **¶625904041**
OSPL IX 04 04 38 48.7–1.9 18.35N 72.05W 0–10 2.6L,2.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=41.1km s-min=24.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.3km s-min=6.1km az=-1.0. Presumed earthquake.
ISC IX 05 09 09 07.8–1.6 18.32N–.04 74.34W–.04 7–13 66 2-25
JSN IX 05 09 09 07.5–1.9 18.16N 74.25W 0–35 4.2 **¶625152376**
SSNC IX 05 09 09 09.6–1.1 18.14N 74.41W 7–9 4.1,3.2L
OSPL IX 05 09 09 12.5–6.7 18.33N 74.36W 5–33 3.4L,3.2L
RSNC IX 05 09 09 14.9–.40 18N–3.0 74W–4.0 57–6 5.5b,5.0
ISC Event type se.
JSN Event type se. Presumed earthquake.
SSNC Event type se. Presumed earthquake.
OSPL Event type se. Presumed earthquake.
ISC IX 04 10 51 49.1–1.7 18.85N–.10 73.95W–.08 6–12 18 1-3
SSNC IX 04 10 51 50.2–1.1 18.68N 73.87W 16–10 3.5,2.5L **¶625904048**
OSPL IX 04 10 51 51.3–7.2 18.78N 73.95W 5–61 3.1L,2.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.2km s-min=8.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=51.8km s-min=41.9km az=-1.0. Presumed earthquake.
ISC IX 04 22 36 34.1–2.2 18.6N–.10 73.51W–.07 3–15 23 1-3
SSNC IX 04 22 36 36.3–1.3 18.41N 73.47W 20–10 3.7,2.5L **¶625904050**
OSPL IX 04 22 36 37.8–8.5 18.46N 73.57W 10–66 3.4L,2.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.1km s-min=10.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=56.9km s-min=41.9km az=-1.0. Presumed earthquake.
ISC IX 07 09 06 33.7–2.1 18.59N–.05 73.79W–.03 3–15 40 1-5
SSNC IX 07 09 06 33.5–1.5 18.41N 73.65W 12–11 3.8,2.9L **¶625423422**
JSN IX 07 09 06 35.5–2.9 18.59N 73.83W 0–27 4.0,2.9L
OSPL IX 07 09 06 36.8–7.5 18.58N 73.74W 5–31 3.3L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=11.5km s-min=12.3km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=20.6km s-min=14.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=38.7km s-min=27.6km az=-1.0. Presumed earthquake.
ISC IX 07 04 12 00.0–2.4 18.76N–.08 74.05W–.05 6–17 30 1-4
SSNC IX 07 04 12 01.4–1.2 18.62N 73.88W 18–9 3.6,2.7L **¶625904074**
OSPL IX 07 04 12 04.5–6.2 18.78N 73.98W 15–40 3.1L,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.9km s-min=7.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=44.5km s-min=34.4km az=-1.0. Presumed earthquake.
ISC IX 08 08 41 40.4–2.4 18.63N–.05 73.83W–.03 5–18 38 1-4
JSN IX 08 08 41 39.6–1.3 18.51N 73.67W 0–44 3.9 **¶625423452**
SSNC IX 08 08 41 41.2–1.1 18.48N 73.75W 11–9 3.3,2.5L
OSPL IX 08 08 41 42.8–6.9 18.50N 73.86W 8–36 2.9L,2.5L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=28.8km s-min=54.4km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=8.2km s-min=7.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=31.8km s-min=25.5km az=-1.0. Presumed earthquake.
ISC IX 08 17 55 59.1–1.9 18.43N–.10 73.46W–.06 15–13 28 1-5
OSPL IX 08 17 55 59.9–7.6 18.37N 73.45W 4–24 3.2L **¶625904084**
SSNC IX 08 17 56 01.6–1.3 18.40N 73.45W 16–11 3.5,2.7L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=20.8km s-min=13.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=9.4km s-min=6.2km az=-1.0. Presumed earthquake.

ISC IX 08 22 30 29.9–1.2 18.51N–.08 73.75W–.05 10 25 1-3
SSNC IX 08 22 30 29.5–1.4 18.21N 73.64W 7–12 3.5,2.7L **¶625904087**
OSPL IX 08 22 30 33.6–7.0 18.46N 73.77W 5–37 3.2L,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.7km s-min=10.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=26.8km s-min=19.7km az=-1.0. Presumed earthquake.
ISC IX 08 15 54 03.1–1.9 18.49N–.08 73.64W–.05 3–14 32 1-5
SSNC IX 08 15 54 05.0–1.1 18.37N 73.65W 7–10 4.1,3.2L **¶625904083**
OSPL IX 08 15 54 06.1–7.4 18.45N 73.56W 3–26 3.6L,3.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.1km s-min=5.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=21.0km s-min=14.8km az=-1.0. Presumed earthquake.
ISC IX 09 07 45 20.7–1.1 18.57N–.05 74.10W–.03 10 39 1-4
SSNC IX 09 07 45 21.2–.65 18.43N 74.08W 8–6 3.5,2.8L **¶625423492**
OSPL IX 09 07 45 22.3–5.8 18.47N 74.10W 5–37 3.1L,2.8L
JSN IX 09 07 45 25.0–1.1 18.75N 74.23W 94–26 4.0,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=4.0km s-min=4.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=39.7km s-min=22.8km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=-1.0. Presumed earthquake.
ISC IX 09 01 22 28.9–1.9 18.35N–.09 73.28W–.06 14–17 28 1-4
SSNC IX 09 01 22 24.9–.90 18.13N 73.01W 7–8 4.0,3.1L **¶625904088**
OSPL IX 09 01 22 31.4–6.3 18.40N 73.32W 5–20 3.3L,3.1L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.3km s-min=8.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=18.6km s-min=12.9km az=-1.0. Presumed earthquake.
ISC IX 09 08 52 11.2–2.0 18.30N–.10 74.05W–.06 10–15 24 1-5
SSNC IX 09 08 52 14.7–.99 18.29N 73.97W 16–9 3.6,2.2L **¶625904090**
OSPL IX 09 08 52 16.6–7.6 18.45N 73.91W 5–41 2.8L,2.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.1km s-min=7.7km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=37.7km s-min=25.4km az=-1.0. Presumed earthquake.
ISC IX 09 12 49 29.8–1.9 18.52N–.08 74.17W–.05 3–13 28 1-4
OSPL IX 09 12 49 33.8–7.1 18.46N 74.16W 7–48 3.3L **¶625904092**
SSNC IX 09 12 49 33.9–.93 18.47N 74.18W 7–10 3.2,2.5L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=55.8km s-min=45.7km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=6.3km s-min=6.5km az=-1.0. Presumed earthquake.
ISC IX 09 21 52 18.8–3.0 18.6N–.10 73.61W–.06 3–19 27 1-3
SSNC IX 09 21 52 20.4–1.2 18.42N 73.60W 7–11 3.2,2.0L **¶625904095**
OSPL IX 09 21 52 21.4–7.8 18.49N 73.60W 5–53 3.0L,2.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.2km s-min=8.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=34.9km s-min=22.4km az=-1.0. Presumed earthquake.
ISC IX 10 08 29 40.5–3.6 18.54N–.05 73.79W–.03 4–25 39 1-3
JSN IX 10 08 29 40.1–.39 18.58N 73.58W 134–12 3.9 **¶625423522**
SSNC IX 10 08 29 40.0–1.3 18.37N 73.59W 13–10 3.5,2.6L
OSPL IX 10 08 29 42.1–1.6 18.51N 73.82W 0–7 3.1L,2.6L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=5.2km s-min=7.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=10.0km s-min=8.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=8.0km s-min=5.9km az=-1.0. Presumed earthquake.
ISC IX 11 09 22 37.4–1.7 18.52N–.06 73.86W–.03 5–14 34 1-5
SSNC IX 11 09 22 37.3–.98 18.19N 73.73W 10–9 3.5,2.6L **¶625423546**
JSN IX 11 09 22 40.7–3.2 18.50N 73.86W 0–33 3.6,2.6L
OSPL IX 11 09 22 40.7–7.5 18.40N 73.85W 5–39 3.0L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.1km s-min=7.6km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=19.3km s-min=17.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=32.9km s-min=23.9km az=-1.0. Presumed earthquake.
ISC IX 10 11 31 58.2–2.2 18.79N–.04 74.05W–.03 15–16 45 1-4
OSPL IX 10 11 31 59.1–2.5 18.71N 74.08W 5–20 3.5L **¶625423523**
SSNC IX 10 11 32 00.0–1.3 18.71N 73.90W 20–9 4.1,3.1L
JSN IX 10 11 32 02.3–2.0 18.84N 74.02W 29–36 4.0,3.1L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=16.3km s-min=11.8km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=6.0km s-min=7.1km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=8.4km s-min=10.2km az=-1.0. Presumed earthquake.
ISC IX 10 13 02 29.3–1.8 18.55N–.06 73.49W–.04 2–14 39 1-5
OSPL IX 10 13 02 33.3–1.5 18.53N 73.54W 0–6 3.4L **¶625904099**
SSNC IX 10 13 02 33.5–1.6 18.42N 73.50W 20–11 3.5,2.9L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=6.0km s-min=4.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=-1.0. Presumed earthquake.
ISC IX 10 13 16 17.0–2.0 18.55N–.09 73.63W–.05 3–13 32 1-5
OSPL IX 10 13 16 21.6–1.6 18.56N 73.64W 0–8 3.2L **¶625904100**
SSNC IX 10 13 16 24.1–1.3 18.58N 73.62W 12–12 3.5,2.6L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=9.8km s-min=7.4km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=11.1km s-min=6.5km az=-1.0. Presumed earthquake.
ISC IX 12 18 52 28.8–1.5 18.6N–.10 73.48W–.06 21–5 22 1-3
SSNC IX 12 18 52 27.7–1.2 18.34N 73.48W 20–17 3.3,2.4L **¶625904113**
OSPL IX 12 18 52 29.8–7.1 18.46N 73.50W 5–26 3.0L,2.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=12.2km s-min=16.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=25.9km s-min=14.7km az=-1.0. Presumed earthquake.
ISC IX 11 05 02 50.9–2.8 18.4N–.20 73.57W–.06 6–28 19 1-3
SSNC IX 11 05 02 53.9–.68 18.38N 73.46W 20–6 3.5,2.1L **¶625904102**
OSPL IX 11 05 02 55.4–8.5 18.50N 73.52W 2–35 2.6L,2.1L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.4km s-min=5.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=31.0km s-min=22.0km az=-1.0. Presumed earthquake.
ISC IX 11 08 09 36.4–1.8 18.90N–.10 74.07W–.04 17–14 26 1-4
SSNC IX 11 08 09 37.5–1.5 18.69N 73.94W 20–12 3.0,2.5L **¶625904104**
OSPL IX 11 08 09 38.8–6.8 18.74N 74.06W 4–39 3.0L,2.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.0km s-min=9.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=40.0km s-min=29.0km az=-1.0. Presumed earthquake.
ISC IX 12 06 47 07.2–2.3 18.81N–.05 74.03W–.03 10–16 59 1-14
SSNC IX 12 06 47 06.6–.91 18.63N 73.86W 17–8 3.8,3.2L **¶625152789**
JSN IX 12 06 47 07.9–1.2 18.82N 74.07W 0–14 4.5,3.2L
OSPL IX 12 06 47 08.3–7.0 18.72N 74.02W 5–38 3.7L,3.2L
RSNC IX 12 06 47 10.2–.40 19N–5.0 74W–4.0 97–13 5.6b,5.1
ISC Event type se.
SSNC Event type se. Presumed earthquake.
JSN Event type se. Presumed earthquake.
OSPL Event type se. Presumed earthquake.
ISC IX 12 21 11 08.5–1.3 18.29N–.05 74.16W–.03 9–12 34 1-4
JSN IX 12 21 11 15.4–1.2 18.56N 74.12W 0–15 3.7 **¶625423596**
OSPL IX 12 21 11 15.4–7.4 18.40N 74.00W 5–25 3.4L
SSNC IX 12 21 11 16.3–.62 18.47N 74.01W 20–10 3.7,3.1L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=8.3km s-min=6.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=36.0km s-min=24.9km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=4.5km s-min=7.7km az=-1.0. Presumed earthquake.
ISC IX 14 13 50 57.7–1.7 18.73N–.07 74.04W–.05 6–13 30 1-4
SSNC IX 14 13 51 01.8–1.4 18.78N 74.11W 5–9 3.8,2.9L **¶625904121**
OSPL IX 14 13 51 01.2–7.3 18.68N 74.09W 5–52 3.4L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.3km s-min=6.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=59.1km s-min=48.3km az=-1.0. Presumed earthquake.
ISC IX 14 14 23 52.1–.97 18.46N–.06 73.33W–.03 10 38 1-5
SSNC IX 14 14 23 56.1–1.2 18.27N 73.39W 2 3.7,2.8L **¶625904122**
OSPL IX 14 14 23 57.4–4.8 18.39N 73.27W 5–19 3.3L,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.0km s-min=4.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=16.2km s-min=8.0km az=-1.0. Presumed earthquake.
ISC IX 13 13 18 26.7–2.1 18.59N–.09 73.61W–.05 1–14 29 1-4
OSPL IX 13 13 18 29.9–1.0 18.57N 73.57W 0–5 3.1L **¶625904116**
SSNC IX 13 13 18 29.9–.68 18.50N 73.64W 4–9 3.4,2.3L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=7.5km s-min=4.3km az=-1.0. Presumed earthquake.
ISC IX 13 14 02 29.3–1.8 18.50N–.08 73.92W–.05 16–14 29 1-5
SSNC IX 13 14 02 32.5–2.1 18.55N 74.02W 5–12 3.3,2.6L **¶625904118**
OSPL IX 13 14 02 33.0–8.0 18.62N 73.84W 5–55 3.3L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=14.8km s-min=7.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=38.2km s-min=27.7km az=-1.0. Presumed earthquake.
ISC IX 15 06 59 07.7–3.0 18.6N–.10 74.0W–.10 30–23 16 2-3
SSNC IX 15 06 59 08.0–1.4 18.59N 73.86W 20–12 3.4,2.3L **¶625423703**
JSN IX 15 06 59 09.4–.63 19.36N 74.05W 169–25 3.9,2.3L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=11.1km s-min=9.9km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=25.9km s-min=23.8km az=-1.0. Presumed earthquake.
ISC IX 14 16 23 56.0–1.4 18.75N–.07 73.98W–.05 11–12 27 1-4
SSNC IX 14 16 23 57.1–1.6 18.65N 73.82W 7–17 3.8,2.7L **¶625904123**
OSPL IX 14 16 23 58.8–7.9 18.68N 74.07W 5–67 3.1L,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.2km s-min=12.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=81.2km s-min=65.4km az=-1.0. Presumed earthquake.
ISC IX 15 07 40 12.5–1.8 18.51N–.06 73.59W–.03 3–14 48 1-5
JSN IX 15 07 40 11.5–1.8 18.41N 73.43W 0–63 4.3 **¶625423704**
SSNC IX 15 07 40 13.9–2.5 18.30N 73.54W 20–32 4.0,2.9L
OSPL IX 15 07 40 14.3–7.3 18.40N 73.57W 5–39 3.4L,2.9L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=36.0km s-min=84.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=26.4km s-min=11.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=26.7km s-min=15.6km az=-1.0. Presumed earthquake.
ISC IX 15 08 04 56.0–1.5 18.74N–.07 73.95W–.05 19–4 32 1-4
SSNC IX 15 08 04 56.7–1.4 18.57N 73.89W 20–12 4.3,2.6L **¶625904129**
OSPL IX 15 08 04 57.9–2.5 18.74N 74.04W 0–17 3.1L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.2km s-min=9.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=13.3km s-min=12.2km az=-1.0. Presumed earthquake.
ISC IX 15 04 26 48.8–2.2 18.77N–.04 73.98W–.03 5–17 45 1-4
SSNC IX 15 04 26 50.5–1.4 18.57N 73.90W 20–11 4.3,2.9L **¶625423702**
JSN IX 15 04 26 52.6–2.4 18.86N 74.00W 0–19 4.0,2.9L
OSPL IX 15 04 26 53.5–6.5 18.75N 74.01W 12–49 3.5L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.1km s-min=8.1km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=14.0km s-min=7.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=26.9km s-min=25.3km az=-1.0. Presumed earthquake.
ISC IX 15 10 23 39.5–1.5 18.42N–.06 73.21W–.04 5–13 40 1-5
SSNC IX 15 10 23 39.6–1.3 18.33N 72.97W 18–11 4.3,3.2L **¶625904130**
OSPL IX 15 10 23 43.0–2.3 18.44N 73.28W 0–9 3.4L,3.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=11.7km s-min=10.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=-1.0. Presumed earthquake.
ISC IX 17 10 07 49.3–.95 18.37N–.04 73.90W–.03 10 39 2-3
SSNC IX 17 10 07 52.3–1.1 18.29N 73.71W 7–9 3.5,2.7L **¶625423758**
OSPL IX 17 10 07 55.5–7.5 18.41N 73.86W 5–40 3.3L,2.7L
JSN IX 17 10 07 56.1–2.6 18.63N 73.98W 0–21 4.1,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.5km s-min=7.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=33.7km s-min=27.8km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=17.4km s-min=7.7km az=-1.0. Presumed earthquake.
ISC IX 15 05 07 22.4–1.4 18.79N–.06 73.97W–.04 13–11 33 1-4
OSPL IX 15 05 07 26.2–7.5 18.77N 74.01W 5–54 3.1L **¶625904128**
SSNC IX 15 05 07 27.0–1.5 18.77N 74.06W 5 3.6,2.3L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=41.1km s-min=33.9km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=8.3km s-min=5.9km az=-1.0. Presumed earthquake.
ISC IX 17 07 56 27.6–1.5 18.52N–.06 73.55W–.04 6–14 30 1-3
OSPL IX 17 07 56 33.2–6.9 18.47N 73.49W 0–28 3.3L **¶625904152**
SSNC IX 17 07 56 34.2–.67 18.61N 73.56W 0–12 3.9,2.7L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=17.7km s-min=13.0km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=10.8km s-min=4.3km az=-1.0. Presumed earthquake.
ISC IX 17 01 24 14.1–1.6 18.84N–.08 74.10W–.05 12–12 26 1-4
OSPL IX 17 01 24 14.7–1.8 18.68N 74.09W 0–15 3.0L **¶625904148**
SSNC IX 17 01 24 15.1–1.6 18.73N 73.85W 19–13 3.6,2.9L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=10.9km s-min=9.1km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=11.4km s-min=9.7km az=-1.0. Presumed earthquake.
ISC IX 18 07 01 43.6–1.9 18.55N–.08 73.67W–.04 3–12 37 1-3
SSNC IX 18 07 01 45.2–1.3 18.30N 73.60W 7–11 3.1,3.0L **¶625904160**
OSPL IX 18 07 01 46.3–1.7 18.41N 73.74W 0–8 3.1L,3.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.5km s-min=9.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.3km s-min=4.4km az=-1.0. Presumed earthquake.
ISC IX 17 11 38 05.6–3.9 18.47N–.09 73.25W–.06 8–28 22 2-3
SSNC IX 17 11 38 04.3–1.2 18.36N 73.00W 7–11 3.5,2.3L **¶625904154**
OSPL IX 17 11 38 08.1–5.8 18.40N 73.27W 4–26 3.2L,2.3L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=31.2km s-min=20.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=18.7km s-min=17.7km az=-1.0. Presumed earthquake.
ISC IX 17 19 32 28.6–2.2 18.34N–.09 73.73W–.08 2–18 21 2-3
SSNC IX 17 19 32 31.3–1.2 18.26N 73.39W 7–11 3.2,2.3L **¶625904158**
OSPL IX 17 19 32 33.3–1.4 18.41N 73.52W 0–11 3.0L,2.3L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=12.0km s-min=10.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=6.5km s-min=4.7km az=-1.0. Presumed earthquake.
ISC IX 18 07 16 39.9–1.7 18.5N–.10 74.12W–.07 10 23 1-3
OSPL IX 18 07 16 40.4–2.3 18.37N 74.13W 0–12 2.8L **¶625904161**
SSNC IX 18 07 16 41.9–1.2 18.46N 74.03W 7–10 3.1,1.7L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=15.1km s-min=10.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=9.7km s-min=7.9km az=-1.0. Presumed earthquake.
ISC IX 18 09 13 53.5–1.6 18.49N–.06 73.20W–.04 11–14 36 1-4
SSNC IX 18 09 13 54.1–1.4 18.34N 73.16W 15–11 3.8,2.4L **¶625904164**
OSPL IX 18 09 13 55.7–5.4 18.37N 73.27W 0–20 3.1L,2.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=14.0km s-min=11.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=14.0km s-min=9.9km az=-1.0. Presumed earthquake.
ISC IX 21 08 57 29.8–1.5 18.78N–.08 73.96W–.05 4–12 25 1-3
SSNC IX 21 08 57 31.4–1.4 18.62N 73.81W 17–11 3.3,2.3L **¶625904185**
OSPL IX 21 08 57 33.4–2.4 18.74N 73.99W 3–15 2.8L,2.3L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.4km s-min=9.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=12.4km s-min=9.5km az=-1.0. Presumed earthquake.
ISC IX 20 09 03 55.0–1.9 18.63N–.05 73.36W–.04 4–15 36 1-4
SSNC IX 20 09 03 54.1–1.4 18.32N 73.29W 7–12 3.2,2.8L **¶625423853**
OSPL IX 20 09 03 57.9–6.9 18.47N 73.43W 5–27 3.0L,2.8L
JSN IX 20 09 03 58.5–1.8 18.61N 73.52W 0–56 4.4,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=12.5km s-min=11.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=19.7km s-min=13.5km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=29.9km s-min=74.6km az=-1.0. Presumed earthquake.
ISC IX 20 00 57 10.1–1.6 18.45N–.04 73.60W–.03 5–10 4.2b,3.4s 219 1-154
RSNC IX 20 00 57 06.1–2.1 19N–16 73W–18 0 5.0b,4.4b **¶621115972**
SSNC IX 20 00 57 07.3–1.6 18.34N 73.22W 5–16 4.3,4.2L
IDC IX 20 00 57 09.7–.58 18.49N 73.49W 0 4.0,3.9b
NEIC IX 20 00 57 10.6–1.7 18.44N–.05 73.62W–.05 10–1 4.3b,3.9b
JSN IX 20 00 57 12.4–1.2 18.58N 73.64W 0–18 4.5,3.9b
OSPL IX 20 00 57 12.0–6.2 18.42N 73.58W 0–21 4.3L,3.9b
CATAC IX 20 00 57 13.7–.75 18N–1.0 74W–2.0 25–6 4.8b,4.6
ISC Event type se.
SSNC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JSN Event type se. Presumed earthquake.

OSPL Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}4.18 $M_{\theta\theta}$-9.12 $M_{\phi\phi}$4.94 $M_{r\theta}$4.30 $M_{\theta\phi}$3.47 $M_{\phi r}$0.53 NP1:ϕ_s325.45483° ,δ51.13752°,λ160.56008°. NP2:ϕ_s67.94161°,δ74.98035°,λ40.51500°. Principal axes: T 6.9773,Plg38.8235°,Azm294.3113°; N 4.0470,Plg47.2451°,Azm84.8123° ; P -11.0243,Plg15.0956°,Azm191.7751° $M_0$6.65906×10^{14} Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}4.14 $M_{\theta\theta}$-9.09 $M_{\phi\phi}$4.94 $M_{r\theta}$4.70 $M_{\theta\phi}$3.35 $M_{\phi r}$0.60 NP1: ϕ_s324.81767°,δ48.62332°,λ159.52411°. NP2:ϕ_s68.68248°,δ74.78196°,λ43.23779°. Principal axes: T 7.1368,Plg40.7691°,Azm295.8240°; N 4.0164,Plg44.6658°,Azm84.2799° ; P -11.1532,Plg16.3672°,Azm191.1551° $M_0$9.78417×10^{14}
SSNC IX 19 10 49 53.0–1.2 18.43N 73.35W 7–10 3.3,2.2L
¶626358643
SSNC Event type se. Error ellipse: s-maj=11.7km s-min=9.0km az=-1.0. Presumed earthquake.
ISC IX 22 08 04 37.0–2.0 18.4N–.10 74.05W–.06 11–18 29 1-3
SSNC IX 22 08 04 39.3–1.2 18.38N 73.89W 15–9 2.7L **¶625904194**
OSPL IX 22 08 04 41.1–7.3 18.41N 74.01W 10–46 2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.2km s-min=7.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=68.5km s-min=42.9km az=-1.0. Presumed earthquake.
ISC IX 22 08 43 25.2–1.6 18.49N–.07 73.27W–.04 4–13 35 1-4
SSNC IX 22 08 43 26.5–1.3 18.05N 73.36W 17–9 3.8W,3.5 **¶625904195**
OSPL IX 22 08 43 28.9–5.7 18.39N 73.30W 0–19 3.1L,3.5
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=11.2km s-min=4.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=14.6km s-min=10.2km az=-1.0. Presumed earthquake.
SSNC IX 23 19 24 16.5–.75 18.45N 73.50W 12–7 3.2,1.9L
¶626358819
SSNC Event type se. Error ellipse: s-maj=6.9km s-min=6.3km az=-1.0. Presumed earthquake.
ISC IX 22 09 34 17.7–1.8 18.40N–.09 74.07W–.05 9–14 30 1-3
SSNC IX 22 09 34 19.5–1.1 18.32N 73.95W 13–9 3.6,2.8L **¶625904196**
OSPL IX 22 09 34 21.6–7.5 18.45N 74.01W 5–35 3.0L,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.2km s-min=7.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=38.5km s-min=25.9km az=-1.0. Presumed earthquake.
ISC IX 25 12 25 32.1–1.9 18.46N–.03 73.68W–.02 3–14 113 2-15
RSNC IX 25 12 25 33.7–.20 18N–2.0 74W–2.0 0 5.1b,4.5b **¶625153520**
CATAC IX 25 12 25 34.9–.94 18N–3.0 74W–2.0 9–6 5.4b,4.8
SSNC IX 25 12 25 35.3–1.6 18.34N 73.60W 18–11 3.8L,3.7
OSPL IX 25 12 25 35.9–1.9 18.53N 73.67W 0–10 4.0L,3.7
JSN IX 25 12 25 36.4–1.2 18.59N 73.69W 2–13 4.3,3.7
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=5.8km s-min=3.7km az=9.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SSNC Event type se. Error ellipse: s-maj=10.1km s-min=5.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.4km s-min=4.3km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=8.1km s-min=5.7km az=-1.0. Presumed earthquake.
SSNC IX 27 10 22 07.3–.73 18.43N 73.59W 16–5 3.3,2.3L
¶626358999
SSNC Event type se. Error ellipse: s-maj=5.2km s-min=4.5km az=-1.0. Presumed earthquake.
ISC IX 27 04 40 07.7–1.9 19.92N–.09 72.53W–.07 8–18 19 1-3
SSNC IX 27 04 40 06.8–.76 19.46N 72.24W 20–14 3.6,2.1L **¶625904225**
OSPL IX 27 04 40 09.7–.85 19.88N 72.49W 0–7 1.9L,2.1L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=20.6km s-min=7.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=-1.0. Presumed earthquake.
ISC X 02 04 16 53.8–1.5 18.66N–.06 73.47W–.04 5–12 40 1-3
SSNC X 02 04 16 57.6–1.4 18.39N 73.67W 15–11 3.3,3.0L **¶626359211**
OSPL X 02 04 16 57.8–5.9 18.57N 73.54W 0–25 3.3L,3.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.8km s-min=7.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=14.9km s-min=11.8km az=-1.0. Presumed earthquake.
ISC IX 27 13 38 07.2–2.0 18.75N–.09 73.43W–.05 6–14 30 1-3
SSNC IX 27 13 38 07.8–1.9 18.51N 73.36W 12–15 3.2,2.6L **¶625904228**
OSPL IX 27 13 38 08.9–7.2 18.50N 73.52W 1–37 3.3L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=16.0km s-min=13.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=20.1km s-min=16.2km az=-1.0. Presumed earthquake.
ISC IX 28 08 25 12.8–1.6 18.91N–.06 72.88W–.03 12–14 25 0-3
SSNC IX 28 08 25 13.7–1.6 19.05N 72.64W 7–14 3.5,2.0L **¶625904233**
OSPL IX 28 08 25 14.8–1.4 18.87N 72.81W 0–8 2.3L,2.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=22.9km s-min=18.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.1km s-min=5.6km az=-1.0. Presumed earthquake.
ISC IX 30 07 52 24.1–1.3 19.79N–.06 72.58W–.03 11–11 31 1-4
SSNC IX 30 07 52 25.3–1.0 19.16N 72.49W 26–16 3.6,2.0L **¶625904248**
OSPL IX 30 07 52 26.8–1.2 19.71N 72.57W 1–4 2.6L,2.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=17.8km s-min=8.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=3.7km s-min=2.2km az=-1.0. Presumed earthquake.
ISC X 04 15 37 58.3–2.1 18.40N–.10 73.59W–.04 7–15 34 1-5
SSNC X 04 15 38 00.2–3.7 19.31N 73.29W 5–32 3.8,3.1L **¶626359261**
OSPL X 04 15 38 01.2–7.7 18.42N 73.47W 3–59 3.3L,3.1L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=58.8km s-min=19.7km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=32.5km s-min=17.0km az=-1.0. Presumed earthquake.
ISC X 03 06 42 27.5–3.3 18.52N–.08 73.58W–.04 10–24 35 1-5
OSPL X 03 06 42 29.1–7.0 18.43N 73.58W 5–26 3.6L **¶626359230**
SSNC X 03 06 42 33.2–1.5 18.64N 73.51W 20–11 3.5,2.7L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=19.1km s-min=14.7km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=11.9km s-min=6.8km az=-1.0. Presumed earthquake.
ISC X 05 03 33 16.8–2.0 18.39N–.07 73.71W–.06 5–20 38 2-4
SSNC X 05 03 33 18.7–1.5 18.30N 73.56W 17–11 3.5,2.8L **¶625424330**
OSPL X 05 03 33 19.7–2.2 18.38N 73.83W 0–26 3.2L,2.8L
JSN X 05 03 33 21.6–1.0 18.67N 73.95W 146–43 3.6,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.4km s-min=10.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=18.5km s-min=12.2km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=20.1km s-min=6.1km az=-1.0. Presumed earthquake.
ISC X 04 23 43 51.9–1.9 18.54N–.08 73.66W–.04 4–13 32 1-3
SSNC X 04 23 43 51.9–1.4 18.39N 73.49W 10–11 3.5,2.5L **¶626359264**
OSPL X 04 23 43 54.4–6.7 18.54N 73.60W 0–26 3.2L,2.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=12.5km s-min=9.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=17.3km s-min=13.8km az=-1.0. Presumed earthquake.
ISC X 05 08 04 09.4–.95 18.42N–.05 73.76W–.03 10 31 2-3
SSNC X 05 08 04 09.1–1.2 18.26N 73.60W 8–10 3.6,2.8L **¶625424331**
OSPL X 05 08 04 11.8–2.2 18.36N 73.84W 0–25 3.2L,2.8L
JSN X 05 08 04 13.6–2.4 18.58N 73.89W 0–24 4.1,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.6km s-min=10.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=19.1km s-min=10.8km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=17.2km s-min=12.1km az=-1.0. Presumed earthquake.
ISC X 08 23 06 54.9–1.7 18.66N–.08 73.94W–.05 3–12 22 1-3
OSPL X 08 23 06 57.9–2.4 18.62N 73.95W 0–18 2.9L **¶626359316**
SSNC X 08 23 07 00.0–1.6 18.70N 74.00W 5–9 3.5,2.5L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=12.8km s-min=10.2km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=12.1km s-min=6.5km az=-1.0. Presumed earthquake.
ISC X 05 21 08 01.4–2.0 18.3N–.10 73.94W–.06 7–17 27 1-3
SSNC X 05 21 08 03.2–1.4 18.28N 73.79W 11–11 3.1,2.6L **¶626359280**
OSPL X 05 21 08 05.4–1.8 18.46N 73.91W 0–20 3.0L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.2km s-min=10.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=12.8km s-min=7.7km az=-1.0. Presumed earthquake.
ISC X 07 00 04 18.7–1.9 18.70N–.07 73.68W–.04 8–13 37 1-5
SSNC X 07 00 04 21.8–1.3 18.60N 73.75W 3 3.6,2.6L **¶626359300**
OSPL X 07 00 04 21.2–7.0 18.48N 73.75W 5–41 3.4L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.0km s-min=5.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=33.0km s-min=25.4km az=-1.0. Presumed earthquake.
ISC X 08 04 49 41.5–1.9 18.74N–.10 73.64W–.05 4–14 30 1-3
SSNC X 08 04 49 44.4–1.3 18.61N 73.60W 14–10 2.8L **¶626359310**
OSPL X 08 04 49 44.4–7.3 18.53N 73.66W 4–61 2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.5km s-min=7.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=39.2km s-min=25.1km az=-1.0. Presumed earthquake.
ISC X 05 09 55 47.1–1.7 18.41N–.09 73.60W–.03 3–16 34 2-4
SSNC X 05 09 55 52.2–1.7 18.37N 73.56W 16–12 3.6,2.8L **¶626359276**
OSPL X 05 09 55 53.1–1.8 18.50N 73.61W 6–20 3.2L,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=12.6km s-min=5.7km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=11.0km s-min=5.6km az=-1.0. Presumed earthquake.
ISC X 09 09 49 28.0–1.7 18.39N–.08 73.88W–.05 4–13 26 1-3
SSNC X 09 09 49 28.7–1.9 18.36N 73.52W 4–53 3.4,2.6L **¶626359325**
OSPL X 09 09 49 30.8–2.2 18.37N 73.90W 0–14 2.8L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=47.8km s-min=27.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=13.0km s-min=11.3km az=-1.0. Presumed earthquake.
ISC X 15 07 24 20.1–.78 18.82N–.04 73.99W–.03 55–16 129 1-18
CATAC X 15 07 24 17.2–.91 19N–3.0 74W–3.0 14–7 4.9b,4.3b **¶626359394**
NEIC X 15 07 24 17.4–1.7 18.84N–.05 74.16W–.02 10–2 4.0b,4.3b
JSN X 15 07 24 18.6–2.1 18.80N 74.05W 0–14 4.8,4.3b
OSPL X 15 07 24 18.6–5.8 18.78N 73.97W 5–36 3.8L,4.3b
SSNC X 15 07 24 19.8–.48 18.82N 74.08W 8–15 4.5,3.5L
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=7.0km s-min=5.0km az=65.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.0km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JSN Event type se. Error ellipse: s-maj=8.5km s-min=10.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=25.6km s-min=19.8km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=2.7km s-min=2.3km az=-1.0. Presumed earthquake.
ISC X 10 12 41 19.6–3.3 18.45N–.08 74.06W–.06 16–26 24 2-4
OSPL X 10 12 41 22.2–1.8 18.47N 74.12W 0–12 3.0L **¶626359339**
SSNC X 10 12 41 23.0–1.4 18.44N 74.05W 20–10 3.5,2.8L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=14.6km s-min=12.8km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=-1.0. Presumed earthquake.
ISC X 11 08 04 29.5–1.8 18.40N–.08 73.83W–.04 19–4 34 1-5
SSNC X 11 08 04 31.2–.93 18.38N 73.71W 18–8 3.7,3.0L **¶626359349**
OSPL X 11 08 04 31.7–1.9 18.50N 73.84W 0–8 3.2L,3.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.8km s-min=8.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=-1.0. Presumed earthquake.
ISC X 11 22 10 11.4–1.5 18.38N–.04 74.10W–.03 13–12 77 1-14
JSN X 11 22 10 14.1–1.1 18.51N 74.13W 2–10 4.3 **¶625154418**
RSNC X 11 22 10 14.0–.30 18N–3.0 74W–4.0 27 5.2b,4.7
SSNC X 11 22 10 14.3–1.5 18.39N 74.07W 7–12 4.1W,3.8
OSPL X 11 22 10 15.0–6.5 18.48N 74.11W 5–42 4.0L,3.8
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=6.0km s-min=5.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=7.0km s-min=5.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=34.9km s-min=20.3km az=-1.0. Presumed earthquake.
ISC X 15 07 35 40.0–1.5 18.75N–.07 74.02W–.05 4–13 24 1-3
SSNC X 15 07 35 42.1–.59 18.62N 73.85W 20–11 2.7L **¶626359398**
OSPL X 15 07 35 43.7–6.8 18.75N 74.03W 5–49 2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=4.6km s-min=8.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=41.0km s-min=33.7km az=-1.0. Presumed earthquake.
ISC X 15 07 36 51.6–1.8 18.7N–.10 74.03W–.05 6–17 24 1-3
SSNC X 15 07 36 53.3–.94 18.61N 73.91W 20–9 4.0,2.9L **¶626359399**
OSPL X 15 07 36 54.8–7.1 18.74N 74.04W 5–53 3.0L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.0km s-min=6.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=49.9km s-min=39.7km az=-1.0. Presumed earthquake.
ISC X 16 13 33 50.0–1.2 18.89N–.07 73.92W–.04 20–7 38 1-6
OSPL X 16 13 33 50.8–7.5 18.74N 74.00W 5–70 3.2L **¶626359425**
SSNC X 16 13 33 51.8–1.9 18.77N 73.90W 19–13 3.7,2.7L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=51.2km s-min=35.8km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=10.5km s-min=5.5km az=-1.0. Presumed earthquake.
ISC X 19 04 20 28.8–1.2 18.92N–.04 73.83W–.03 19–3 52 1-11
CATAC X 19 04 20 26.4–1.0 19N–8.0 73W–6.0 140–8 3.4,3.4 **¶625424871**
SSNC X 19 04 20 31.3–.56 18.90N 74.01W 0–7 3.7,3.0L
JSN X 19 04 20 31.4–.59 19.04N 73.89W 110–26 4.1,3.0L
OSPL X 19 04 20 31.0–6.7 18.82N 73.92W 4–48 3.2L,3.0L
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=21.1km s-min=5.9km az=34.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SSNC Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=7.0km s-min=21.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=33.9km s-min=18.1km az=-1.0. Presumed earthquake.
ISC X 16 16 07 47.2–1.9 18.47N–.06 73.68W–.03 3–14 33 1-5
SSNC X 16 16 07 52.2–1.5 18.40N 73.59W 16–11 3.4,2.9L **¶626359434**
OSPL X 16 16 07 52.1–8.6 18.49N 73.55W 5–81 3.4L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=11.2km s-min=5.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=50.3km s-min=22.0km az=-1.0. Presumed earthquake.
ISC X 18 10 45 02.5–1.8 18.64N–.08 73.49W–.05 14–15 29 1-3
SSNC X 18 10 45 03.5–1.1 18.49N 73.46W 12–10 3.7,2.6L **¶626359477**
OSPL X 18 10 45 03.9–7.1 18.50N 73.56W 5–38 3.1L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.3km s-min=8.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=23.6km s-min=17.2km az=-1.0. Presumed earthquake.
SSNC X 17 05 11 41.6–.99 18.29N 73.70W 14–7 2.9,1.5L
¶626359444
SSNC Event type se. Error ellipse: s-maj=7.4km s-min=8.0km az=-1.0. Presumed earthquake.
ISC X 24 17 20 19.0–2.0 18.60N–.08 73.38W–.05 5–15 28 1-3
SSNC X 24 17 20 19.6–1.3 18.38N 73.30W 14–10 3.7,2.6L **¶626359566**
OSPL X 24 17 20 22.1–6.6 18.49N 73.44W 3–29 3.1L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=12.4km s-min=9.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=18.0km s-min=12.8km az=-1.0. Presumed earthquake.
ISC X 22 17 14 15.5–1.5 18.83N–.05 74.09W–.03 12–12 50 1-9
NEIC X 22 17 14 15.6–1.2 18.84N–.06 74.12W–.05 10–2 3.3L **¶621237863**
OSPL X 22 17 14 16.9–7.1 18.71N 74.09W 5–70 3.5L
SSNC X 22 17 14 18.0–1.4 18.70N 74.11W 20–11 4.0,3.0L
JSN X 22 17 14 19.4–1.2 19.10N 74.05W 112–34 3.8,3.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.1km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=54.1km s-min=58.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=5.3km s-min=6.4km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=11.4km s-min=6.5km az=-1.0. Presumed earthquake.
ISC X 24 04 59 16.3–1.3 18.85N–.04 73.99W–.03 11–10 121 1-35
NEIC X 24 04 59 17.3–1.5 18.79N–.04 74.05W–.05 10–2 4.1b **¶621239093**
JSN X 24 04 59 17.7–1.8 19.13N 74.10W 0–15 4.6
SSNC X 24 04 59 18.8–1.4 18.78N 74.02W 4 4.1W,3.5L
OSPL X 24 04 59 18.5–7.3 18.78N 73.97W 5–50 4.1L,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.2km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JSN Event type se. Error ellipse: s-maj=17.9km s-min=8.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=4.7km s-min=3.5km az=-1.0. Presumed earthquake.

OSPL Event type se. Error ellipse: s-maj=35.3km s-min=26.5km az=-1.0. Presumed earthquake.
ISC X 21 22 28 45.8–1.6 18.74N–.07 73.99W–.05 11–13 31 1-4
SSNC X 21 22 28 46.3–1.0 18.60N 73.84W 16–8 4.0,3.0L ¶626359531
OSPL X 21 22 28 48.3–2.4 18.73N 74.06W 2–23 3.4L,3.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.8km s-min=5.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=17.4km s-min=14.2km az=-1.0. Presumed earthquake.
ISC X 23 11 16 37.0–1.2 18.82N–.06 74.06W–.04 22–9 38 1-4
SSNC X 23 11 16 33.9–1.3 18.64N 73.79W 7–10 3.4,2.9L ¶625425025
JSN X 23 11 16 36.1–1.1 18.82N 74.09W 0–211 4.0,2.9L
OSPL X 23 11 16 36.2–8.0 18.69N 74.09W 5–76 3.3L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.5km s-min=7.2km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=10.5km s-min=5.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=83.7km s-min=63.6km az=-1.0. Presumed earthquake.
ISC X 26 19 04 12.8–2.1 18.85N–.08 74.11W–.06 19–5 24 1-3
OSPL X 26 19 04 13.5–2.3 18.83N 74.12W 0–14 3.1L ¶626359605
SSNC X 26 19 04 16.2–1.4 18.88N 74.08W 20–11 3.5,2.9L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=9.5km s-min=11.4km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=10.7km s-min=9.8km az=-1.0. Presumed earthquake.
ISC X 27 15 31 17.9–1.4 18.86N–.06 73.88W–.05 18–10 33 1-4
SSNC X 27 15 31 18.8–1.5 18.74N 73.69W 20–11 3.4,3.1L ¶626359621
OSPL X 27 15 31 20.0–7.9 18.69N 74.08W 5–57 3.3L,3.1L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.0km s-min=9.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=60.8km s-min=51.2km az=-1.0. Presumed earthquake.
ISC X 27 18 19 07.5–1.4 18.41N–.05 74.08W–.03 3–11 44 1-6
SSNC X 27 18 19 13.7–1.9 18.41N 74.12W 3 3.9,3.3L ¶626359624
OSPL X 27 18 19 14.2–7.1 18.42N 74.01W 5–44 3.8L,3.3L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=55.2km s-min=31.5km az=-1.0. Presumed earthquake.
ISC X 28 05 04 36.5–1.5 18.82N–.07 73.96W–.05 12–11 32 1-3
OSPL X 28 05 04 38.7–7.4 18.71N 74.10W 5–60 3.0L ¶626359632
SSNC X 28 05 04 39.1–1.2 18.82N 73.79W 13–9 3.6
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=59.4km s-min=45.5km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=6.8km s-min=8.8km az=-1.0. Presumed earthquake.
ISC X 28 15 36 04.9–1.7 18.4N–.10 73.67W–.07 2–14 20 1-3
SSNC X 28 15 36 09.8–.81 18.35N 73.40W 9–7 3.6,2.1L ¶626359641
OSPL X 28 15 36 11.0–8.9 18.41N 73.46W 5–83 2.8L,2.1L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=69.9km s-min=34.2km az=-1.0. Presumed earthquake.
ISC X 30 03 47 22.8–1.4 18.39N–.06 73.86W–.03 4–12 36 1-5
SSNC X 30 03 47 30.1–1.2 18.51N 73.65W 17–8 3.2,2.6L ¶626359665
OSPL X 30 03 47 31.2–7.1 18.55N 73.68W 5–68 3.1L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.1km s-min=4.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=38.9km s-min=20.0km az=-1.0. Presumed earthquake.
ISC XI 06 05 00 05.2–1.6 18.59N–.09 74.12W–.06 9–12 23 1-3
SSNC XI 06 05 00 10.3–1.1 18.68N 73.92W 11–10 2.6L ¶625904710
OSPL XI 06 05 00 11.6–7.1 18.74N 74.01W 5–49 2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.5km s-min=11.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=44.6km s-min=39.6km az=-1.0. Presumed earthquake.
ISC X 31 01 13 23.6–1.9 18.34N–.04 74.39W–.04 15–16 63 2-16
JSN X 31 01 13 25.5–.94 18.37N 74.52W 0–187 4.3 ¶625155452
RSNC X 31 01 13 25.5–.50 18N–5.0 74W–4.0 0 4.3,4.3b
OSPL X 31 01 13 26.7–7.7 18.36N 74.41W 2–48 3.7L,4.3b
SSNC X 31 01 13 27.7–1.0 18.36N 74.54W 17–26 4.1,3.8L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=7.6km s-min=6.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=59.5km s-min=42.7km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=5.9km s-min=3.8km az=-1.0. Presumed earthquake.
ISC XI 04 19 39 38.9–1.4 18.69N–.07 74.05W–.05 14–10 27 1-4
SSNC XI 04 19 39 41.6–.92 18.72N 73.79W 7–8 3.3,3.0L ¶625904677
OSPL XI 04 19 39 43.1–7.0 18.85N 73.82W 5–90 2.9L,3.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.8km s-min=5.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=59.0km s-min=46.6km az=-1.0. Presumed earthquake.
ISC X 29 20 32 21.1–1.4 18.44N–.09 73.91W–.06 10 18 1-3
SSNC X 29 20 32 22.5–.94 18.33N 73.73W 7–16 3.3,2.9L ¶626359660
OSPL X 29 20 32 25.0–8.1 18.40N 73.76W 12–70 3.2L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.7km s-min=13.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=78.4km s-min=50.5km az=-1.0. Presumed earthquake.
ISC X 30 00 11 34.9–1.5 18.50N–.05 74.10W–.04 29–15 54 1-9
RSNC X 30 00 11 33.5–.40 18N–3.0 74W–3.0 0 5.2b,4.6 ¶622506066
NEIC X 30 00 11 34.6–1.4 18.67N–.05 74.07W–.05 10–2 3.1L,4.6
SSNC X 30 00 11 36.1–.71 18.51N 73.96W 18–6 3.7,3.0L
OSPL X 30 00 11 36.7–7.1 18.58N 74.08W 5–58 3.3L,3.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.3km az=203.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=5.7km s-min=4.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=60.3km s-min=44.2km az=-1.0. Presumed earthquake.
ISC XI 06 05 59 28.8–1.6 19.73N–.08 72.82W–.04 19–4 19 1-3
SSNC XI 06 05 59 28.9–1.1 19.53N 72.74W 20–9 3.2,1.6L ¶625904712
OSPL XI 06 05 59 29.5–1.8 19.74N 72.84W 5–17 2.2L,1.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=22.0km s-min=13.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=10.0km s-min=5.6km az=-1.0. Presumed earthquake.
ISC XI 06 20 21 28.9–1.6 18.74N–.08 74.02W–.06 12–12 21 1-3
SSNC XI 06 20 21 29.7–.66 18.58N 73.92W 20–7 3.0,2.8L ¶625904714
OSPL XI 06 20 21 31.3–8.0 18.71N 74.04W 5–61 3.1L,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.7km s-min=12.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=58.6km s-min=52.5km az=-1.0. Presumed earthquake.
ISC XI 06 01 59 41.3–1.9 18.68N–.07 73.54W–.04 4–13 41 1-7
OSPL XI 06 01 59 43.9–6.1 18.56N 73.54W 0–22 3.7L ¶625904708
SSNC XI 06 01 59 45.0–1.2 18.61N 73.62W 5 3.5,3.2L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=14.8km s-min=11.4km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=6.0km s-min=5.2km az=-1.0. Presumed earthquake.
ISC XI 06 20 35 37.7–1.5 18.65N–.06 74.08W–.04 6–13 27 1-4
SSNC XI 06 20 35 41.5–.59 18.66N 74.01W 4–7 3.0,2.8L ¶625904715
OSPL XI 06 20 35 42.3–8.0 18.68N 74.07W 5–56 3.4L,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.5km s-min=2.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=56.5km s-min=50.2km az=-1.0. Presumed earthquake.
ISC XI 07 03 54 41.9–1.7 18.48N–.07 73.55W–.04 0–14 33 1-5
SSNC XI 07 03 54 46.4–1.2 18.44N 73.72W 3–13 3.1,2.8L ¶625904723
OSPL XI 07 03 54 47.4–6.8 18.48N 73.55W 4–28 3.4L,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.7km s-min=5.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=18.8km s-min=13.9km az=-1.0. Presumed earthquake.
SSNC XI 07 02 37 44.0–.45 18.39N 73.55W 14–3 3.0,2.0L
¶625904722
SSNC Event type se. Error ellipse: s-maj=3.5km s-min=4.7km az=-1.0. Presumed earthquake.
ISC XI 08 23 04 07.0–1.2 18.5N–.10 72.70W–.07 15–6 18 0-3
OSPL XI 08 23 04 06.6–1.2 18.43N 72.78W 0–10 2.0L ¶625904741
SSNC XI 08 23 04 33.0–1.2 18.73N 73.81W 7–11 2.8,2.1L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=8.8km s-min=7.2km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=10.7km s-min=10.8km az=-1.0. Presumed earthquake.
ISC XI 07 10 18 28.3–1.4 18.65N–.06 73.95W–.05 3–14 24 2-3
SSNC XI 07 10 18 33.7–1.1 18.68N 73.88W 20–11 3.8,2.9L ¶625904726
OSPL XI 07 10 18 34.5–7.8 18.74N 74.03W 5–55 3.2L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.4km s-min=9.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=47.4km s-min=44.6km az=-1.0. Presumed earthquake.
ISC XI 07 18 24 48.4–2.4 18.80N–.06 73.99W–.04 4–19 61 1-17
OSPL XI 07 18 24 50.8–6.6 18.69N 74.09W 5–38 3.9L ¶625904730
SSNC XI 07 18 24 51.3–1.1 18.77N 73.89W 15–8 4.0,3.3L
RSNC XI 07 18 25 37.7–.50 15N–4.0 74W–6.0 0 5.4b,4.9
ISC Event type se.
OSPL Event type se. Presumed earthquake.
SSNC Event type se. Presumed earthquake.
ISC XI 08 10 37 24.1–1.8 18.77N–.08 73.98W–.05 11–12 26 1-4
OSPL XI 08 10 37 27.9–6.7 18.76N 74.03W 5–51 3.2L ¶625904738
SSNC XI 08 10 37 28.0–1.4 18.73N 73.94W 18–11 3.3,2.6L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=36.5km s-min=29.0km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=7.6km s-min=11.8km az=-1.0. Presumed earthquake.
ISC XI 08 00 55 39.8–1.4 18.84N–.05 74.03W–.03 29–16 37 1-4
OSPL XI 08 00 55 38.5–2.6 18.69N 74.09W 4–23 3.2L ¶625427059
SSNC XI 08 00 55 39.6–1.1 18.74N 74.04W 11–12 3.6,2.9L
JSN XI 08 00 55 40.3–1.4 19.39N 74.30W 160–35 4.4,2.9L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=18.8km s-min=14.9km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=6.1km s-min=11.0km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=31.1km s-min=9.2km az=-1.0. Presumed earthquake.
ISC XI 08 18 56 08.4–2.0 18.72N–.05 74.04W–.04 10–15 39 1-4
SSNC XI 08 18 56 09.3–1.4 18.56N 73.88W 20–12 3.8,3.4L ¶625904739
OSPL XI 08 18 56 10.8–2.2 18.71N 74.08W 3–19 3.3L,3.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.5km s-min=11.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=16.4km s-min=13.3km az=-1.0. Presumed earthquake.
ISC XI 10 09 43 36.4–1.9 18.75N–.07 74.00W–.04 7–13 31 1-4
SSNC XI 10 09 43 39.7–1.4 18.65N 73.96W 18–11 3.2,2.5L ¶625904770
OSPL XI 10 09 43 40.7–1.1 18.80N 74.12W 4–11 3.3L,2.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.3km s-min=8.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.5km s-min=6.3km az=-1.0. Presumed earthquake.
OSPL XI 09 06 30 46.5–1.2 19.87N 72.83W 0–6 2.8L
SSNC XI 09 06 30 48.5–.87 19.62N 72.98W 9–7 3.0,1.7L ¶625904751
OSPL Event type se. Error ellipse: s-maj=7.8km s-min=2.8km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=15.7km s-min=8.3km az=-1.0. Presumed earthquake.
ISC XI 15 04 27 01.2–1.7 18.58N–.07 73.70W–.05 14–12 29 1-3
SSNC XI 15 04 27 02.6–1.1 18.46N 73.64W 18–9 3.0,2.4L ¶625904845
OSPL XI 15 04 27 03.8–7.7 18.55N 73.68W 3–47 2.9L,2.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=4.9km s-min=12.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=27.5km s-min=19.6km az=-1.0. Presumed earthquake.
ISC XI 11 10 01 41.5–1.4 18.85N–.04 73.97W–.03 11–11 42 1-4
SSNC XI 11 10 01 40.5–.92 18.47N 73.94W 20–7 3.3,3.0L ¶625427302
OSPL XI 11 10 01 43.8–2.3 18.78N 74.12W 0–15 3.2L,3.0L
JSN XI 11 10 01 44.4–1.1 18.83N 74.10W 0–12 4.3,3.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.2km s-min=5.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=12.9km s-min=10.3km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=5.4km s-min=5.2km az=-1.0. Presumed earthquake.
ISC XI 12 10 15 21.9–.69 18.33N–.03 74.36W–.03 10 69 2-15
SSNC XI 12 10 15 24.3–.93 18.25N 74.22W 7–8 3.8L,3.8 ¶625156210
RSNC XI 12 10 15 25.4–2.2 18N–3.0 74W–5.0 22–20 6.0b,5.6
JSN XI 12 10 15 26.2–2.4 18.41N 74.36W 0–19 4.1,5.6
OSPL XI 12 10 15 26.5–7.3 18.37N 74.27W 5–31 3.7L,5.6
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=11.9km s-min=11.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=25.4km s-min=15.6km az=-1.0. Presumed earthquake.
ISC XI 12 10 34 55.0–1.6 18.44N–.04 74.29W–.03 2–13 41 2-3
OSPL XI 12 10 34 57.5–2.4 18.36N 74.31W 0–11 3.1L ¶625427377
SSNC XI 12 10 34 58.4–1.1 18.33N 74.31W 7–11 3.3,3.1L
JSN XI 12 10 35 01.0–1.3 18.62N 74.40W 113–28 3.9,3.1L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=8.6km s-min=5.1km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=5.6km s-min=7.0km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=9.2km s-min=6.3km az=-1.0. Presumed earthquake.
ISC XI 14 08 20 46.9–1.8 18.44N–.09 74.22W–.07 12–15 21 2-4
SSNC XI 14 08 20 49.2–1.3 18.30N 74.07W 10–12 2.7L ¶625904832
OSPL XI 14 08 20 53.9–7.5 18.54N 73.97W 19–78 2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.1km s-min=13.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=77.5km s-min=59.8km az=-1.0. Presumed earthquake.
ISC XI 10 19 08 30.2–2.5 18.46N–.08 73.88W–.05 3–18 30 1-5
SSNC XI 10 19 08 32.1–.66 18.31N 73.72W 24–10 3.1,2.8L ¶625904772
OSPL XI 10 19 08 32.9–7.9 18.38N 73.87W 5–44 3.3L,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=3.5km s-min=6.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=47.2km s-min=32.8km az=-1.0. Presumed earthquake.
ISC XI 12 04 22 15.0–1.1 18.49N–.09 73.60W–.05 10 27 1-4
SSNC XI 12 04 22 16.7–1.3 18.36N 73.49W 14–11 3.8,2.7L ¶625904812
OSPL XI 12 04 22 19.7–7.5 18.52N 73.59W 5–48 2.9L,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.7km s-min=10.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=31.1km s-min=18.4km az=-1.0. Presumed earthquake.
ISC XI 11 06 43 45.7–1.5 18.35N–.04 74.41W–.03 8–12 50 2-4
JSN XI 11 06 43 49.1–1.5 18.42N 74.38W 0–13 4.3 ¶625427299
OSPL XI 11 06 43 49.9–6.5 18.35N 74.28W 4–28 3.7L
SSNC XI 11 06 43 50.8–1.5 18.34N 74.37W 13–13 3.7L,3.6
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=9.8km s-min=7.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=27.7km s-min=18.7km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=6.3km s-min=6.0km az=-1.0. Presumed earthquake.
ISC XI 11 06 51 14.3–1.6 18.88N–.06 74.03W–.03 13–12 39 1-4
SSNC XI 11 06 51 13.1–1.3 18.58N 73.95W 16–11 3.4,3.0L ¶625427300
JSN XI 11 06 51 15.6–.83 18.80N 74.04W 9–13 4.0,3.0L
OSPL XI 11 06 51 16.2–2.1 18.81N 74.01W 8–19 3.2L,3.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.5km s-min=8.4km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=3.8km s-min=4.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=10.4km s-min=6.7km az=-1.0. Presumed earthquake.
ISC XI 12 07 42 46.9–.86 18.33N–.03 74.31W–.03 10–5 4.8b,3.8s 396 2-153
IDC XI 12 07 42 45.8–.45 18.36N 74.28W 0 4.5b,4.5 ¶621399251
CATAC XI 12 07 42 46.9–1.0 18N–3.0 74W–2.0 8–7 5.0,4.9b
JSN XI 12 07 42 47.0–1.4 18.35N 74.32W 0–12 5.0,4.9b
SSNC XI 12 07 42 47.4–1.2 18.24N 74.33W 9–10 5.4W,4.7L
NEIC XI 12 07 42 47.6–1.5 18.38N–.06 74.29W–.04 8–5 4.8b,4.6
NEIC XI 12 07 42 47.5 18.38N 74.29W 7 4.8b,4.6
OSPL XI 12 07 42 48.9–6.0 18.38N 74.28W 4–27 4.6L,4.6
GFZ XI 12 07 42 48.3–.17 18N–3.0 74W–2.0 10 5.8b,5.7
GCMT XI 12 07 42 49.1–.20 18.32N–.02 74.26W–.03 12–1 4.7W,5.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/tab. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.66 $M_{\theta\theta}$-4.26 $M_{\phi\phi}$-0.40 $M_{r\theta}$1.65 $M_{\theta\phi}$3.95 $M_{\phi r}$-0.62 NP1:ϕ_s115.78844°,δ53.76674°,λ81.77433°. NP2:ϕ_s309.53156°,δ37.03012°,λ101.04777°. Principal axes: T 4.9591,Plg79.2496°,Azm352.9436°; N 2.0228,Plg6.6270°,Azm120.6722°; P -6.9819,Plg8.4267°,Azm211.6584° $M_0$6.22217×10^{15}
JSN Event type se. Presumed earthquake.
SSNC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}8.17 $M_{\theta\theta}$-7.24 $M_{\phi\phi}$-0.93 $M_{r\theta}$3.09 $M_{\theta\phi}$3.63 $M_{\phi r}$1.31 NP1:ϕ_s310.26000°,δ39.79000°,λ115.18000°. NP2:ϕ_s98.80000°,δ54.61000°,λ70.49000°. Principal axes: T 9.1782,Plg72.0000°,Azm318.0000°; N 0.0267,Plg16.0000°,Azm110.0000°; P -9.2049,Plg8.0000°,Azm203.0000° $M_0$9.19000×10^{15}
NEIC Event type se.

OSPL Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111120742A. Moment Tensor Solution. s21,c21; s99,c126; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.43±.10 $M_{\theta\theta}$-1.14±.06; $M_{\phi\phi}$-0.28±.05; $M_{r\theta}$0.54±.15; $M_{\theta\phi}$0.53±.04; $M_{\phi r}$-0.10±.19; Best double couple: NP1:ϕ_s300.00000°,δ35.00000°,λ98.00000°. NP2:ϕ_s110.00000°,δ56.00000°,λ84.00000°. Principal axes: T 1.5390,Plg79.0000°,Azm359.0000°; N -0.0490,Plg5.0000°,Azm114.0000°; P -1.4880,Plg10.0000°,Azm204.0000° M_o1.51400×10^{16}

ISC	**XI**	**12 08 09 42.5–3.7**	**18.41N–.05**	**74.29W–.03**	**15–26**		**35**	**2-3**
JSN	XI	12 08 09 43.3–1.4	18.53N	74.43W	0–23	3.9		¶625427376
SSNC	XI	12 08 09 43.1–1.1	18.32N	74.30W	7–12	3.3,2.6L		
OSPL	XI	12 08 09 44.9–6.8	18.46N	74.17W	5–35	3.3L,2.6L		

ISC Event type se.
JSN Event type se. Error ellipse: s-maj=22.6km s-min=28.5km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=7.9km s-min=7.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=49.9km s-min=40.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**13 05 36 45.8–2.3**	**18.49N–.07**	**73.44W–.04**	**7–18**		**31**	**1-3**
SSNC	XI	13 05 36 46.6–1.4	18.33N	73.31W	14–11	3.4,2.3L		¶625904818
OSPL	XI	13 05 36 49.0–6.7	18.47N	73.46W	0–25	2.8L,2.3L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=14.0km s-min=10.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=18.1km s-min=11.5km az=-1.0. Presumed earthquake.

ISC	**XI**	**13 06 06 22.1–1.3**	**18.53N–.04**	**73.51W–.02**	**6–11**		**91**	**1-14**
SSNC	XI	13 06 06 25.5–1.4	18.42N	73.43W	14–11	3.9,3.6L		¶625156277
JSN	XI	13 06 06 26.4–1.1	18.57N	73.58W	0–8	4.4,3.6L		
OSPL	XI	13 06 06 26.5–6.1	18.48N	73.52W	0–21	3.8L,3.6L		
RSNC	XI	13 06 06 28.1–.30	18N–4.0	73W–3.0	72–27	4.0b,4.0		

ISC Event type se.
SSNC Event type se. Presumed earthquake.
JSN Event type se. Presumed earthquake.
OSPL Event type se. Presumed earthquake.

ISC	**XI**	**15 04 29 17.3–1.9**	**18.56N–.09**	**73.76W–.05**	**8–16**		**28**	**1-5**
OSPL	XI	15 04 29 19.8–7.8	18.54N	73.67W	5–80	2.9L		¶625904846
SSNC	XI	15 04 29 20.1–.89	18.50N	73.71W	20–7	3.3,2.4L		

ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=43.7km s-min=23.5km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=5.3km s-min=5.9km az=-1.0. Presumed earthquake.

ISC	**XI**	**18 03 43 25.8–3.8**	**20.0N–.10**	**73.42W–.04**	**2–27**		**31**	**1-3**
SSNC	XI	18 03 43 26.9–1.4	19.94N	73.21W	10–7	3.5,2.2L		¶625904901
OSPL	XI	18 03 43 28.6–1.4	19.67N	73.47W	6–8	2.8L,2.2L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=13.8km s-min=7.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=14.7km s-min=3.8km az=-1.0. Presumed earthquake.

ISC	**XI**	**17 04 45 03.9–1.8**	**18.48N–.09**	**73.87W–.05**	**13–14**		**30**	**1-5**
SSNC	XI	17 04 45 07.5–1.4	18.49N	73.83W	18–12	3.3,2.7L		¶625904875
OSPL	XI	17 04 45 07.8–8.6	18.54N	73.81W	8–70	3.0L,2.7L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.6km s-min=9.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=70.9km s-min=50.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**17 04 58 32.9–1.8**	**18.53N–.08**	**73.53W–.04**	**8–13**		**29**	**1-4**
OSPL	XI	17 04 58 34.1–1.3	18.50N	73.54W	0–6	2.9L		¶625904876
SSNC	XI	17 04 58 36.1–1.5	18.52N	73.49W	12–13	3.2,2.1L		

ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=3.9km s-min=2.9km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=14.6km s-min=8.0km az=-1.0. Presumed earthquake.

ISC	**XI**	**20 16 34 55.5–1.8**	**18.8N–.10**	**73.50W–.08**	**11–14**		**23**	**1-4**
SSNC	XI	20 16 34 54.8–1.3	18.46N	73.48W	7–11	3.3,2.4L		¶625904925
OSPL	XI	20 16 34 55.6–8.5	18.50N	73.56W	5–71	3.4L,2.4L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.7km s-min=8.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=41.3km s-min=24.2km az=-1.0. Presumed earthquake.

ISC	**XI**	**28 15 18 22.8–3.3**	**18.64N–.06**	**73.57W–.03**	**9–25**		**52**	**1-5**
CATAC	XI	28 15 18 23.0–.52	19N–5.0	74W–3.0	4–5	3.5,3.5		¶625905055
OSPL	XI	28 15 18 24.4–6.4	18.47N	73.59W	5–28	3.7L,3.5		
SSNC	XI	28 15 18 27.1–1.4	18.73N	73.54W	20–12	3.6,2.9L		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.7km s-min=5.2km az=22.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
OSPL Event type se. Error ellipse: s-maj=19.1km s-min=12.7km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=8.5km s-min=4.8km az=-1.0. Presumed earthquake.

ISC	**XI**	**25 01 39 59.0–1.6**	**18.39N–.08**	**74.19W–.05**	**12–12**		**25**	**2-3**
SSNC	XI	25 01 40 05.5–1.3	18.51N	74.05W	7–13	3.1,2.4L		¶625905008
OSPL	XI	25 01 40 05.9–7.3	18.51N	74.03W	5–59	3.0L,2.4L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.0km s-min=9.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=60.8km s-min=39.0km az=-1.0. Presumed earthquake.

ISC	**XI**	**21 00 00 51.1–1.3**	**19.9N–.10**	**73.07W–.06**	**16–11**		**28**	**1-7**
SSNC	XI	21 00 00 52.1–.94	19.83N	72.96W	17–8	3.5,3.1L		¶625904934
OSPL	XI	21 00 00 54.5–.87	19.96N	73.10W	16–8	2.7L,3.1L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.2km s-min=8.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.5km s-min=3.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**22 00 26 38.0–2.6**	**18.74N–.09**	**73.44W–.05**	**9–18**		**33**	**1-3**
SSNC	XI	22 00 26 36.4–1.2	18.43N	73.38W	7–9	3.7,2.5L		¶625904948
OSPL	XI	22 00 26 38.9–6.9	18.44N	73.57W	3–27	3.0L,2.5L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.7km s-min=8.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=19.5km s-min=14.9km az=-1.0. Presumed earthquake.

ISC	**XI**	**24 02 59 04.5–1.6**	**18.52N–.07**	**73.74W–.04**	**4–12**		**31**	**1-3**
SSNC	XI	24 02 59 07.6–1.3	18.43N	73.54W	12–12	3.6,2.3L		¶625904991
OSPL	XI	24 02 59 09.8–7.8	18.51N	73.61W	5–72	2.7L,2.3L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.8km s-min=10.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=49.8km s-min=23.0km az=-1.0. Presumed earthquake.

OSPL	**XI**	**28 04 36 13.1–5.4**	**18.44N**	**73.17W**	**5–24**	**2.5L**		
SSNC	XI	28 04 36 08.6–1.4	18.32N	72.85W	10–12	3.4,2.2L		¶625905052

OSPL Event type se. Error ellipse: s-maj=21.1km s-min=11.1km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=15.6km s-min=12.6km az=-1.0. Presumed earthquake.

ISC	**XI**	**22 08 39 14.9–2.8**	**18.74N–.08**	**74.0W–.20**	**2–15**		**19**	**1-3**
SSNC	XI	22 08 39 16.4–2.4	18.48N	73.95W	15–20	3.4,2.3L		¶625427879
JSN	XI	22 08 39 19.5–2.1	18.92N	73.76W	87–316	4.1,2.3L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=16.8km s-min=15.7km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=96.4km s-min=48.6km az=-1.0. Presumed earthquake.

ISC	**XI**	**22 10 07 42.3–1.8**	**18.89N–.04**	**74.02W–.03**	**19–5**		**46**	**1-6**
SSNC	XI	22 10 07 41.3–1.2	18.72N	73.86W	19–10	4.3,2.9L		¶625427880
OSPL	XI	22 10 07 41.3–3.3	18.72N	74.10W	0–25	3.1L,2.9L		
JSN	XI	22 10 07 43.0–1.6	18.89N	74.06W	7–17	4.5,2.9L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.8km s-min=8.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=24.7km s-min=23.0km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=9.6km s-min=7.2km az=-1.0. Presumed earthquake.

ISC	**XI**	**25 18 27 00.3–1.9**	**18.32N–.10**	**73.47W–.05**	**9–16**		**25**	**1-3**
SSNC	XI	25 18 27 01.5–1.3	18.30N	73.26W	15–11	3.6,2.2L		¶625905020
OSPL	XI	25 18 27 04.2–7.5	18.41N	73.45W	0–38	2.9L,2.2L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.4km s-min=8.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=24.3km s-min=15.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**03 14 08 27.4–2.2**	**18.9N–.10**	**74.06W–.08**	**2–14**		**18**	**1-3**
SSNC	XII	03 14 08 29.6–1.4	18.81N	74.03W	5–6	3.7,3.3L		¶625905155
OSPL	XII	03 14 08 30.2–7.6	18.91N	73.98W	1–76	3.0L,3.3L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.7km s-min=10.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=57.1km s-min=50.9km az=-1.0. Presumed earthquake.

ISC	**XI**	**30 06 22 38.5–1.8**	**18.43N–.06**	**73.61W–.03**	**5–13**		**39**	**1-6**
OSPL	XI	30 06 22 41.1–7.1	18.47N	73.53W	0–29	3.4L		¶625905093
SSNC	XI	30 06 22 41.9–1.6	18.41N	73.63W	5	3.8,2.9L		

ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=30.8km s-min=18.2km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**03 08 09 46.1–1.6**	**18.46N–.07**	**73.87W–.04**	**0–13**		**38**	**2-5**
SSNC	XII	03 08 09 50.2–1.6	18.39N	73.72W	7–14	3.4,2.9L		¶625905150
OSPL	XII	03 08 09 52.7–8.4	18.41N	73.89W	6–62	3.0L,2.9L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.9km s-min=11.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=49.3km s-min=37.8km az=-1.0. Presumed earthquake.

ISC	**XI**	**29 01 08 41.1–1.7**	**18.81N–.09**	**73.98W–.06**	**6–12**		**24**	**1-3**
SSNC	XI	29 01 08 42.7–1.7	18.65N	73.95W	12–13	3.8,3.0L		¶625905070
OSPL	XI	29 01 08 43.9–2.8	18.77N	74.05W	1–26	3.1L,3.0L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=15.8km s-min=19.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=20.8km s-min=16.3km az=-1.0. Presumed earthquake.

ISC	**XI**	**30 09 29 41.3–1.8**	**18.82N–.07**	**73.89W–.05**	**12–13**		**32**	**1-4**
SSNC	XI	30 09 29 42.9–1.3	18.67N	73.84W	19–10	3.5,2.4L		¶625905096
OSPL	XI	30 09 29 44.7–7.5	18.86N	74.02W	5–57	2.9L,2.4L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.8km s-min=8.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=42.1km s-min=34.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**04 00 17 58.3–1.4**	**18.62N–.07**	**74.04W–.05**	**1–13**		**24**	**1-4**
SSNC	XII	04 00 18 05.3–.36	18.81N	73.92W	5–2	2.9,2.7L		¶625905166
OSPL	XII	04 00 18 06.6–8.2	18.91N	73.89W	1–62	3.0L,2.7L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=2.5km s-min=3.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=47.5km s-min=41.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**04 03 55 45.6–1.3**	**19.6N–.10**	**72.70W–.05**	**11–13**		**16**	**1-3**
SSNC	XII	04 03 55 44.6–1.3	19.51N	72.29W	20–23	3.4,1.9L		¶625905169
OSPL	XII	04 03 55 47.7–.99	19.74N	72.74W	12–7	2.0L,1.9L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=34.5km s-min=11.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=8.6km s-min=7.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**03 16 29 46.3–1.9**	**18.79N–.09**	**74.14W–.05**	**9–12**		**23**	**1-4**
OSPL	XII	03 16 29 50.3–8.0	18.78N	74.08W	15–95	3.0L		¶625905158
SSNC	XII	03 16 29 51.5–1.4	18.83N	74.17W	5–9	3.7,2.7L		

ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=72.3km s-min=58.0km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=9.3km s-min=5.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**05 01 09 10.1–1.9**	**18.63N–.07**	**73.72W–.05**	**11–14**		**30**	**1-5**
SSNC	XII	05 01 09 11.9–1.0	18.56N	73.63W	10–8	3.1,2.8L		¶625905176
OSPL	XII	05 01 09 12.0–8.3	18.51N	73.81W	5–52	3.1L,2.8L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.7km s-min=6.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=42.6km s-min=29.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**04 02 59 48.2–3.7**	**18.80N–.07**	**73.95W–.06**	**15–28**		**28**	**1-3**
SSNC	XII	04 02 59 48.6–1.3	18.63N	73.90W	16–10	3.5,2.1L		¶625905168
OSPL	XII	04 02 59 52.4–7.9	18.92N	73.97W	4–56	3.1L,2.1L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.4km s-min=7.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=40.8km s-min=38.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**05 16 57 28.4–2.7**	**18.46N–.09**	**73.44W–.05**	**0–20**		**25**	**1-3**
SSNC	XII	05 16 57 32.8–.83	18.36N	73.57W	7–12	3.4,2.5L		¶625905180
OSPL	XII	05 16 57 33.9–8.2	18.53N	73.36W	5–44	3.4L,2.5L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.0km s-min=5.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=58.8km s-min=40.9km az=-1.0. Presumed earthquake.

ISC	**XII**	**07 04 57 25.3–1.9**	**18.69N–.07**	**73.47W–.05**	**5–13**		**35**	**1-3**
SSNC	XII	07 04 57 26.6–1.6	18.52N	73.40W	11–12	3.4,2.6L		¶625905204
OSPL	XII	07 04 57 28.3–6.8	18.55N	73.55W	4–27	3.0L,2.6L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=12.1km s-min=11.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=27.5km s-min=18.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**08 03 10 57.6–1.9**	**17.4N–.10**	**72.54W–.05**	**10**		**19**	**1-5**
OSPL	XII	08 03 11 01.9–.67	17.49N	72.44W	7–7	2.5L		¶625905225
SSNC	XII	08 03 11 03.1–.83	17.72N	72.51W	7–8	3.9,1.9L		

ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=11.9km s-min=12.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**09 16 38 27.7–2.2**	**18.5N–.10**	**73.52W–.05**	**3–15**		**25**	**1-3**
SSNC	XII	09 16 38 30.0–1.3	18.36N	73.45W	20–9	3.7,2.3L		¶625905243
OSPL	XII	09 16 38 31.7–6.5	18.53N	73.40W	4–32	2.9L,2.3L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=10.3km s-min=4.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=21.5km s-min=13.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**09 05 31 11.8–2.4**	**18.8N–.10**	**73.52W–.08**	**11–15**		**23**	**1-3**
SSNC	XII	09 05 31 12.1–1.5	18.44N	73.48W	20–12	3.2,1.9L		¶625905236
OSPL	XII	09 05 31 12.7–1.7	18.53N	73.63W	0–9	2.6L,1.9L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=13.3km s-min=11.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.9km s-min=4.4km az=-1.0. Presumed earthquake.

ISC	**XII**	**09 17 35 14.4–1.8**	**18.6N–.10**	**73.56W–.05**	**8–14**		**24**	**1-3**
SSNC	XII	09 17 35 16.2–1.4	18.41N	73.58W	19–11	3.4,2.6L		¶625905244
OSPL	XII	09 17 35 16.1–7.6	18.47N	73.49W	5–71	3.1L,2.6L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=11.9km s-min=5.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=45.7km s-min=19.8km az=-1.0. Presumed earthquake.

SSNC	**XII**	**11 05 17 44.0–1.4**	**18.35N**	**73.39W**	**20–9**	**3.6,2.8L**		
OSPL	XII	11 05 17 44.3–4.1	18.34N	73.50W	0–16	3.1L,2.8L		¶625905269

SSNC Event type se. Error ellipse: s-maj=11.4km s-min=9.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=16.0km s-min=10.5km az=-1.0. Presumed earthquake.

ISC	**XII**	**09 20 39 06.4–1.6**	**18.86N–.09**	**73.98W–.06**	**1–13**		**23**	**1-3**
OSPL	XII	09 20 39 09.0–8.3	18.69N	74.09W	5–80	3.3L		¶625905245
SSNC	XII	09 20 39 10.2–1.4	18.76N	73.92W	19–10	3.6,2.7L		

ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=89.5km s-min=68.8km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=8.3km s-min=5.5km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 23 45 12.6–1.2**	**18.55N–.04**	**74.12W–.02**	**5–12**		**41**	**1-4**
SSNC	XII	13 23 45 18.3–1.1	18.71N	73.96W	7–10	3.7,2.6L		¶625428574
JSN	XII	13 23 45 19.9–2.1	18.79N	73.95W	15–51	4.4,2.6L		
OSPL	XII	13 23 45 19.7–7.2	18.69N	74.08W	6–59	3.4L,2.6L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.3km s-min=9.4km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=13.8km s-min=36.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=59.4km s-min=45.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 01 14 15.1–1.4**	**18.61N–.08**	**74.15W–.04**	**6–11**		**41**	**1-4**
SSNC	XII	13 01 14 18.0–1.9	18.61N	73.94W	7–13	3.0,2.6L		¶625905292
OSPL	XII	13 01 14 19.8–7.7	18.73N	74.07W	5–66	3.0L,2.6L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.1km s-min=11.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=65.2km s-min=51.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 21 34 13.1–1.5**	**18.83N–.06**	**73.94W–.05**	**15–12**		**33**	**1-4**
SSNC	XII	13 21 34 15.4–1.3	18.70N	73.96W	16–10	3.8,2.7L		¶625905297
OSPL	XII	13 21 34 15.7–6.8	18.79N	73.99W	5–50	3.6L,2.7L		

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=33.7km s-min=26.9km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 05 08 27.3–1.9**	**18.56N–.04**	**73.63W–.02**	**2–13**	**4.2b**	**173**	**1-154**
IDC	XII	13 05 08 27.6–.64	18.55N	73.50W	0	4.0b,4.0		¶621650552
RSNC	XII	13 05 08 27.4–.30	18N–2.0	74W–3.0	0	5.5b,5.0		
NEIC	XII	13 05 08 28.9–1.3	18.55N–.05	73.58W–.05	10–1	4.2b,5.0		
CATAC	XII	13 05 08 28.4–.42	19N–2.0	74W–2.0	1–4	4.9b,4.7b		
JSN	XII	13 05 08 30.6–1.7	18.64N	73.61W	0–11	5.0,4.7b		
SSNC	XII	13 05 08 31.6–1.2	18.52N	73.71W	7–9	4.1,4.0W		
OSPL	XII	13 05 08 31.1–6.1	18.54N	73.59W	0–23	4.3L,4.0W		

ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=13.1km az=23.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.7km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

CATAC Event type se. Error ellipse: s-maj=4.6km s-min=4.0km az=14.6. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
JSN Event type se. Error ellipse: s-maj=7.1km s-min=4.5km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=4.7km s-min=3.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=14.3km s-min=11.8km az=-1.0. Presumed earthquake.
ISC XII 17 05 41 25.4–3.7 18.51N–.10 74.11W–.06 9–27 27 1-4
SSNC XII 17 05 41 25.2–1.3 18.35N 74.06W 7–10 3.2,2.8L **¶625905362**
OSPL XII 17 05 41 27.1–1.9 18.41N 74.12W 9 3.2L,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.4km s-min=12.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=9.5km s-min=8.0km az=-1.0. Presumed earthquake.
ISC XII 14 03 50 40.1–1.4 18.88N–.08 73.99W–.05 22–14 27 1-3
SSNC XII 14 03 50 39.3–1.2 18.72N 73.89W 11–11 3.6,2.4L **¶625905311**
OSPL XII 14 03 50 40.5–7.3 18.84N 73.93W 5–56 3.3L,2.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.3km s-min=7.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=40.3km s-min=31.8km az=-1.0. Presumed earthquake.
ISC XII 14 05 21 06.4–1.5 18.80N–.07 73.91W–.06 22–18 26 1-3
SSNC XII 14 05 21 04.7–1.1 18.69N 73.78W 5–5 3.6,2.6L **¶625905312**
OSPL XII 14 05 21 07.2–7.3 18.69N 74.04W 5–61 2.8L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.0km s-min=8.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=54.2km s-min=43.9km az=-1.0. Presumed earthquake.
ISC XII 17 08 26 47.2–1.8 18.64N–.08 73.54W–.04 3–13 26 1-4
SSNC XII 17 08 26 49.6–.71 18.45N 73.50W 20–6 3.1,2.7L **¶625905363**
OSPL XII 17 08 26 49.8–1.8 18.52N 73.66W 0–8 3.0L,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.2km s-min=6.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.2km s-min=3.8km az=-1.0. Presumed earthquake.
ISC XII 19 04 40 25.6–1.1 18.39N–.07 73.87W–.04 10 35 1-5
SSNC XII 19 04 40 29.9–1.6 18.31N 73.84W 7–12 3.2,2.8L **¶625905379**
OSPL XII 19 04 40 31.2–7.6 18.40N 73.80W 5–51 3.4L,2.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.8km s-min=8.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=53.8km s-min=30.8km az=-1.0. Presumed earthquake.
ISC XII 17 12 49 29.7–1.4 19.83N–.07 72.48W–.03 7–12 34 1-5
SSNC XII 17 12 49 30.3–1.0 20.20N 72.32W 7–8 3.6,3.2L **¶625905365**
OSPL XII 17 12 49 31.9–1.9 19.80N 72.45W 0–7 3.4L,3.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.6km s-min=5.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=8.6km s-min=4.2km az=-1.0. Presumed earthquake.
ISC XII 18 18 11 14.7–1.5 18.22N–.05 74.94W–.05 12–12 32 2-4
SSNC XII 18 18 11 18.1–1.4 18.07N 74.92W 13–9 3.1L **¶625428792**
JSN XII 18 18 11 20.1–2.1 18.36N 75.00W 0–20 3.7
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.1km s-min=6.4km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=16.4km s-min=11.2km az=-1.0. Presumed earthquake.
ISC XII 19 05 27 40.4–1.9 18.71N–.08 73.58W–.03 4–13 35 1-4
SSNC XII 19 05 27 40.4–1.4 18.39N 73.53W 7–9 3.3,2.5L **¶625905380**
OSPL XII 19 05 27 43.2–6.7 18.51N 73.63W 0–29 3.0L,2.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.7km s-min=9.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=19.7km s-min=14.4km az=-1.0. Presumed earthquake.
ISC XII 20 01 37 16.3–2.3 18.19N–.07 74.91W–.08 3–13 29 2-4
JSN XII 20 01 37 19.0–1.8 18.18N 74.90W 0–21 3.8 **¶625428842**
SSNC XII 20 01 37 19.7–1.3 18.08N 74.80W 7–9 3.8,2.8L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=32.8km s-min=29.7km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=5.7km s-min=7.4km az=-1.0. Presumed earthquake.
ISC XII 21 14 53 34.3–.94 18.55N–.04 73.94W–.03 13–6 4.2b,3.7s 192 1-154
IDC XII 21 14 53 32.9–.69 18.62N 73.87W 0 4.0,3.9b **¶621636615**
SSNC XII 21 14 53 34.6–1.4 18.48N 73.93W 4–11 4.4,4.3L
CATAC XII 21 14 53 34.7–.76 19N–3.0 74W–2.0 9–5 4.5,4.5
NEIC XII 21 14 53 35.0–.83 18.55N–.05 73.98W–.05 13–4 4.4b,4.5
JSN XII 21 14 53 35.0–1.4 18.58N 73.88W 5–24 4.7,4.5
OSPL XII 21 14 53 35.1–6.6 18.48N 73.93W 8–37 4.4L,4.5
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=15.0km az=26.0.
SSNC Event type se. Error ellipse: s-maj=8.1km s-min=5.1km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=7.0km s-min=3.7km az=8.6. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.7km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JSN Event type se. Error ellipse: s-maj=9.0km s-min=6.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=33.8km s-min=25.2km az=-1.0. Presumed earthquake.
ISC XII 26 00 23 47.0–2.9 18.83N–.09 74.09W–.06 11–24 22 1-3
SSNC XII 26 00 23 47.2–1.0 18.71N 74.00W 8–8 3.5,2.4L **¶625905466**
OSPL XII 26 00 23 48.2–8.1 18.76N 74.11W 3–82 2.6L,2.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.1km s-min=5.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=89.1km s-min=72.2km az=-1.0. Presumed earthquake.
ISC XII 24 04 55 57.7–2.8 18.54N–.10 74.16W–.06 5–18 24 1-3
SSNC XII 24 04 55 59.3–1.3 18.41N 74.08W 13–8 3.6,2.3L **¶625905452**
OSPL XII 24 04 56 00.5–7.9 18.54N 74.04W 2–83 2.4L,2.3L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.0km s-min=7.1km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=86.9km s-min=62.9km az=-1.0. Presumed earthquake.
ISC XII 27 05 20 28.4–1.4 19.5N–.10 72.84W–.04 27–15 21 1-3
SSNC XII 27 05 20 29.8–1.1 19.28N 72.90W 20–9 3.0,1.8L **¶625905485**
OSPL XII 27 05 20 32.2–1.7 19.65N 72.80W 31–8 2.0L,1.8L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=16.8km s-min=14.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=15.1km s-min=5.0km az=-1.0. Presumed earthquake.
ISC XII 27 23 06 15.8–1.7 18.76N–.08 73.99W–.05 4–13 26 1-4
SSNC XII 27 23 06 17.5–1.1 18.63N 73.84W 11–5 3.5,2.6L **¶625905489**
OSPL XII 27 23 06 19.4–7.3 18.74N 74.01W 5–63 2.8L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=7.2km s-min=5.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=56.0km s-min=46.6km az=-1.0. Presumed earthquake.
ISC XII 29 09 29 04.7–1.5 18.87N–.07 73.88W–.05 18–5 29 1-4
SSNC XII 29 09 29 05.1–.82 18.59N 73.89W 17–7 3.1L,3.0 **¶625905509**
OSPL XII 29 09 29 07.1–6.0 18.75N 73.96W 3–38 3.1L,3.0
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.2km s-min=5.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=28.4km s-min=21.8km az=-1.0. Presumed earthquake.

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ISC VII 04 20 15 25.2–3.1 19.63N–.03 71.15W–.03 15–24 32 0-4
SSNC VII 04 20 15 24.1–3.5 19.55N 71.05W 5–42 3.8,3.2L **¶625914677**
OSPL VII 04 20 15 27.1–1.4 19.62N 71.12W 1–5 3.1L,3.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=28.5km s-min=38.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=2.4km s-min=1.9km az=-1.0. Presumed earthquake.
Moment Tensor Solution. NP1:ϕ_s287.20000°,δ75.60000°,λ35.80000°.
ISC VII 15 09 01 01.7–1.1 18.44N–.03 71.93W–.03 15–8 3.9b 110 0-24
SSNC VII 15 09 00 59.8–2.0 18.36N 71.62W 87–36 4.2,3.7L **¶620829517**
NEIC VII 15 09 01 02.1–1.2 18.47N–.06 71.94W–.04 10–1 3.9b,3.7L
OSPL VII 15 09 01 03.5–2.1 18.44N 71.89W 5–6 4.0L,3.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=30.2km s-min=16.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.4km az=339.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=4.5km s-min=3.7km az=-1.0. Presumed earthquake.
ISC VII 16 18 52 10.8–1.3 20.04N–.04 70.34W–.03 22–13 38 1-7
SSNC VII 16 18 52 06.2–2.9 19.88N 70.05W 131–23 4.0L,3.7 **¶625914723**
OSPL VII 16 18 52 10.5–2.0 20.09N 70.33W 2–5 3.5L,3.7
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=13.1km s-min=15.7km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=7.4km s-min=3.5km az=-1.0. Presumed earthquake.
ISC VII 24 16 53 58.1–1.3 20.45N–.04 71.76W–.05 15–10 23 1-6
OSPL VII 24 16 53 59.3–1.3 20.44N 71.79W 10–5 2.7L **¶625903233**
SSNC VII 24 16 54 00.4–1.1 20.45N 71.82W 11–16 3.5,2.7L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=2.8km s-min=6.9km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=3.5km s-min=3.6km az=-1.0. Presumed earthquake.
OSPL VII 26 09 54 25.0–1.1 18.56N 71.81W 8–15 1.5L
¶626339250
OSPL Event type se. Error ellipse: s-maj=5.3km s-min=8.9km az=-1.0. Presumed earthquake.
ISC VII 25 19 46 46.6–1.2 18.57N–.03 71.97W–.02 16–9 54 0-4
SSNC VII 25 19 46 44.9–.90 18.37N 71.85W 5 3.7,2.9L **¶625903263**
OSPL VII 25 19 46 48.8–1.4 18.58N 72.02W 6–4 2.8L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.8km s-min=2.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=2.6km s-min=2.5km az=-1.0. Presumed earthquake.
ISC VIII 05 01 04 02.0–1.3 18.85N–.06 69.50W–.03 117–8 74 1-8
RSNC VIII 05 01 03 36.8–.90 19N–5.0 69W–4.0 423–9 3.6,3.6b **¶620969522**
NEIC VIII 05 01 04 02.9–1.6 19.14N–.03 69.36W–.03 10–2 3.4L,3.6b
SSNC VIII 05 01 04 03.5–2.6 18.69N 70.02W 0–155 5.6b,3.3L
OSPL VIII 05 01 04 05.3–2.0 18.74N 69.45W 101–11 3.2L,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=24.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Event type se. Error ellipse: s-maj=165.2km s-min=90.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=7.9km s-min=5.7km az=-1.0. Presumed earthquake.
ISC VIII 06 00 25 25.5–1.1 19.64N–.04 71.00W–.04 15–9 24 0-4
SSNC VIII 06 00 25 24.7–.94 19.58N 70.73W 20–8 3.6,2.3L **¶625903431**
OSPL VIII 06 00 25 25.6–1.9 19.71N 70.95W 12–9 2.6L,2.3L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=4.9km s-min=8.7km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=7.8km s-min=5.7km az=-1.0. Presumed earthquake.
ISC VIII 06 05 10 57.5–1.0 19.63N–.03 71.31W–.02 19–2 37 0-6
SSNC VIII 06 05 10 57.8–2.6 19.67N 71.45W 4–50 3.7,3.0L **¶625903442**
OSPL VIII 06 05 10 58.9–2.5 19.62N 71.30W 10–6 3.0L,3.0L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=12.1km s-min=15.7km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VIII 11 10 09 59.8–1.3 19.65N–.04 70.09W–.03 15–10 33 0-5
SSNC VIII 11 10 10 01.5–1.0 19.44N 70.16W 102–9 3.7,3.2L **¶625903558**
OSPL VIII 11 10 10 03.1–1.8 19.58N 70.15W 5 3.0L,3.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.6km s-min=16.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=3.5km s-min=2.4km az=-1.0. Presumed earthquake.
ISC VIII 06 22 45 01.3–1.0 19.62N–.04 71.31W–.03 18–3 36 0-5
SSNC VIII 06 22 44 57.4–1.8 19.35N 71.00W 101–17 3.5L,3.4 **¶625903449**
OSPL VIII 06 22 45 02.5–1.9 19.62N 71.31W 14–5 3.0L,3.4
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=16.7km s-min=8.7km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=3.9km s-min=3.0km az=-1.0. Presumed earthquake.
ISC VIII 06 22 54 32.5–1.0 20.06N–.04 70.34W–.03 19 31 1-5
SSNC VIII 06 22 54 33.7–1.6 19.93N 70.35W 124–14 3.5,3.2L **¶625903450**
OSPL VIII 06 22 54 35.4–1.6 20.04N 70.32W 0–7 3.0L,3.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.7km s-min=9.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.1km s-min=2.8km az=-1.0. Presumed earthquake.
ISC VIII 10 07 22 17.7–1.8 18.95N–.05 69.93W–.06 98–11 36 0-8
SSNC VIII 10 07 22 20.5–1.1 19.09N 70.17W 136–7 3.7,3.2L **¶625903535**
OSPL VIII 10 07 22 21.6–2.0 18.87N 69.95W 71–8 3.4L,3.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=6.6km s-min=9.6km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.8km s-min=4.7km az=-1.0. Presumed earthquake.
ISC VIII 10 03 26 33.5–1.3 18.25N–.05 71.88W–.05 35 15 0-4
OSPL VIII 10 03 26 32.0–.88 18.30N 72.07W 0–10 2.1L **¶625903531**
SSNC VIII 10 03 26 35.8–2.2 18.24N 72.17W 0–999 3.8,2.0L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=2.7km s-min=5.2km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ISC VIII 24 08 10 37.2–1.0 19.64N–.03 71.19W–.03 14–8 32 0-6
OSPL VIII 24 08 10 39.7–1.9 19.65N 71.28W 10–4 3.8L **¶625422952**
JSN VIII 24 08 10 43.0–1.1 20.07N 71.56W 34–999 4.1
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=3.4km s-min=2.8km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=118.6km s-min=722.1km az=-1.0. Presumed earthquake.
ISC VIII 18 20 49 30.9–1.2 20.15N–.03 70.90W–.04 17–10 29 0-5
SSNC VIII 18 20 49 30.3–.42 20.04N 70.79W 120–4 3.2L,3.0 **¶625903729**
OSPL VIII 18 20 49 33.6–2.2 20.16N 70.95W 8 3.0L,3.0
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=1.6km s-min=2.7km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.8km s-min=4.9km az=-1.0. Presumed earthquake.
OSPL VIII 22 13 50 33.9–1.5 19.64N 71.31W 20–8 1.6L
¶625903827
OSPL Event type se. Error ellipse: s-maj=9.3km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VIII 11 14 18 20.7–1.5 18.95N–.05 70.43W–.04 114–9 41 0-5
SSNC VIII 11 14 18 20.6–.94 19.53N 70.20W 75–77 3.7,3.4L **¶625903559**
OSPL VIII 11 14 18 24.0–1.7 18.93N 70.40W 98–6 3.2L,3.4L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=52.1km s-min=17.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=3.5km s-min=3.2km az=-1.0. Presumed earthquake.
ISC IX 30 15 14 58.5–1.2 20.00N–.04 70.35W–.05 30–15 24 1-4
SSNC IX 30 15 14 56.9–.83 19.87N 70.19W 114–10 3.7,2.9L **¶625904252**
OSPL IX 30 15 14 59.6–2.3 20.00N 70.33W 0–14 2.6L,2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=3.8km s-min=6.3km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=8.5km s-min=5.7km az=-1.0. Presumed earthquake.
ISC IX 08 19 50 27.7–.93 19.67N–.03 71.50W–.03 24–6 35 0-5
SSNC IX 08 19 50 21.3–4.5 19.37N 71.04W 123–29 3.9L,3.8 **¶625904085**
OSPL IX 08 19 50 29.3–1.7 19.64N 71.49W 14–5 3.4L,3.8
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=21.6km s-min=21.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=-1.0. Presumed earthquake.
ISC IX 23 08 12 57.4–1.2 19.78N–.04 70.68W–.04 13–9 34 0-5
SSNC IX 23 08 12 55.6–1.6 19.63N 70.30W 20–10 3.7,2.5L **¶625904202**
OSPL IX 23 08 13 00.7–1.9 19.68N 70.65W 8 2.6L,2.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.7km s-min=10.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=-1.0. Presumed earthquake.
OSPL IX 24 02 02 41.5–2.0 19.37N 69.81W 44–7 3.0L
¶625904207
OSPL Event type se. Error ellipse: s-maj=5.9km s-min=4.0km az=-1.0. Presumed earthquake.
ISC IX 28 00 15 35.8–.46 18.75N–.04 69.36W–.03 108–4 4.1b 241 1-158
CATAC IX 28 00 15 36.3–.43 19N–5.0 69W–2.0 94–5 4.9b,4.8b **¶621111197**
IDC IX 28 00 15 36.4–.63 18.82N 69.32W 108–5 4.0,3.5b
NEIC IX 28 00 15 36.6–1.3 18.70N–.07 69.38W–.04 104–5 4.2b,3.5b
OSPL IX 28 00 15 37.1–1.5 18.71N 69.42W 108–5 4.3L,3.5b
JSN IX 28 00 15 41.7–4.2 19.99N 70.26W 13–247 4.3L,3.5b
ISC Event type se.
CATAC Error ellipse: s-maj=11.7km s-min=4.6km az=4.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=14.6km s-min=9.0km az=27.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.6km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=81.1km s-min=240.2km az=-1.0. Presumed earthquake.
ISC IX 23 00 09 41.0–1.0 19.67N–.06 71.24W–.04 28–7 21 0-4
SSNC IX 23 00 09 37.6–.38 18.74N 71.27W 11–3 3.8,2.7L **¶625904199**
OSPL IX 23 00 09 42.8–1.7 19.65N 71.25W 17–7 2.4L,2.7L

ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=16.7km s-min=10.0km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=6.6km s-min=3.1km az=-1.0. Presumed earthquake.
ISC X 12 09 03 56.3–1.0 20.07N–.04 70.38W–.04 19 30 1-5
SSNC X 12 09 03 57.2–1.7 19.99N 70.30W 20–20 3.9 ¶626359366
OSPL X 12 09 03 59.7–2.4 20.00N 70.39W 0–12 2.9L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=47.4km s-min=19.8km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=-1.0. Presumed earthquake.
ISC X 01 02 42 20.2–2.1 19.81N–.07 70.18W–.09 59–21 23 1-5
SSNC X 01 02 42 17.3–.47 19.76N 70.09W 136–4 3.6,2.6L ¶626359188
OSPL X 01 02 42 19.9–2.2 19.95N 70.18W 0–9 2.5L,2.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=2.6km s-min=7.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=7.3km s-min=4.7km az=-1.0. Presumed earthquake.
OSPL X 17 05 11 13.0–.97 18.18N 71.64W 10–25 1.1L
¶635731761
OSPL Event type se. Error ellipse: s-maj=2.1km s-min=7.7km az=-1.0. Presumed earthquake.
ISC XI 23 04 05 47.0–1.1 19.82N–.04 70.57W–.03 17–8 35 0-4
SSNC XI 23 04 05 41.2–3.8 20.33N 70.08W 20–24 4.1,3.6L ¶625904969
OSPL XI 23 04 05 50.0–2.1 19.69N 70.62W 4–5 3.0L,3.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=129.5km s-min=25.2km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0. Presumed earthquake.
ISC XI 13 23 52 10.2–1.0 19.54N–.06 70.74W–.03 24–7 24 0-5
SSNC XI 13 23 52 10.6–3.0 18.68N 71.00W 5–999 3.7 ¶625904825
OSPL XI 13 23 52 12.3–1.7 19.52N 70.75W 12–5 2.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.1km s-min=2.6km az=-1.0. Presumed earthquake.
OSPL XI 07 02 37 18.4–1.2 18.19N 71.84W 0–376 1.5L
¶635832972
OSPL Event type se. Error ellipse: s-maj=4.3km s-min=8.9km az=-1.0. Presumed earthquake.
ISC XI 22 07 42 46.9–.84 19.68N–.03 70.69W–.02 2–5 4.6b,3.9s 457 0-157
SSNC XI 22 07 42 45.0–1.7 19.79N 70.29W 15–13 5.1L,4.3 ¶621428047
NEIC XI 22 07 42 47.9 19.63N 70.74W 10 5.1L,4.3
IDC XI 22 07 42 47.7–.49 19.66N 70.67W 0 4.2b,4.2
NEIC XI 22 07 42 47.9–1.5 19.63N–.04 70.75W–.03 10–1 4.6b,4.5
GFZ XI 22 07 42 48.7–.17 20N–2.0 71W–3.0 10 5.7b,5.2
JSN XI 22 07 42 49.0–2.2 19.79N 70.68W 0–51 5.5,5.2
PTWC XI 22 07 42 49 19.70N 70.70W 5.2L,5.2
OSPL XI 22 07 42 51.8–2.8 19.68N 70.61W 5–6 4.7L,5.2
CATAC XI 22 07 42 58.1–.57 19N–4.0 71W–2.0 29–4 5.2,5.0
ISC Event type se.
SSNC Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.91 $M_{\theta\theta}$0.87 $M_{\phi\phi}$0.04 $M_{r\theta}$-3.58 $M_{\theta\phi}$4.91 $M_{\phi r}$-1.88 NP1:ϕ_s269.76000°,δ87.80000°,λ35.21000°. NP2:ϕ_s178.21000°,δ54.82000°,λ177.30000°. Principal axes: T 7.2676,Plg26.0000°,Azm140.0000°; N -2.3647,Plg55.0000°,Azm273.0000°; P -4.9029,Plg22.0000°,Azm38.0000° $M_0$6.42000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JSN Event type se. Presumed earthquake.
PTWC DOMINICAN REPUBLIC REGION.
OSPL Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 25 18 25 17.5–1.4 19.16N–.04 71.47W–.04 71–9 31 0-4
SSNC XI 25 18 25 15.6–1.0 19.68N 71.24W 14–10 3.0,2.2L ¶625905019
OSPL XI 25 18 25 18.8–2.0 19.15N 71.47W 70–9 2.9L,2.2L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=8.5km s-min=9.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.7km s-min=5.4km az=-1.0. Presumed earthquake.
ISC XII 15 03 23 26.5–1.3 20.27N–.04 71.02W–.04 12–11 38 0-5
SSNC XII 15 03 23 23.7–1.3 20.52N 70.62W 19–15 3.8L,3.4 ¶625905329
OSPL XII 15 03 23 27.9–1.7 20.29N 70.95W 2–5 3.3L,3.4
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.1km s-min=13.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.2km s-min=3.7km az=-1.0. Presumed earthquake.
ISC XII 17 03 45 49.1–1.4 20.74N–.03 71.37W–.04 15–11 32 1-5
OSPL XII 17 03 45 50.7–.98 20.72N 71.29W 5–5 3.0L ¶625905360
SSNC XII 17 03 45 51.6–1.2 20.75N 71.44W 7–10 3.2,2.7L
ISC Event type se.
OSPL Event type se. Error ellipse: s-maj=2.6km s-min=5.8km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=3.6km s-min=4.2km az=-1.0. Presumed earthquake.
ISC XII 16 05 47 46.8–1.4 18.37N–.04 71.86W–.03 10–11 40 0-6
SSNC XII 16 05 47 45.1–1.9 18.09N 71.78W 0–51 ¶626360382
OSPL XII 16 05 47 49.1–2.2 18.35N 71.87W 9–8 3.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=66.1km s-min=30.4km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=4.8km s-min=4.9km az=-1.0. Presumed earthquake.
ISC XII 22 13 57 37.9–.93 19.60N–.03 70.73W–.03 28–6 76 0-7
PTWC XII 22 13 57 37 19.60N 70.80W 3.7L ¶621644245
NEIC XII 22 13 57 39.0–.69 19.48N–.04 70.77W–.02 26–10 3.5L
OSPL XII 22 13 57 40.3–2.0 19.54N 70.73W 12–5 3.7L
SSNC XII 22 13 57 42.2–2.0 19.61N 71.09W 5 3.5,3.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.0km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=5.5km s-min=14.3km az=-1.0. Presumed earthquake.
ISC XII 22 11 55 26.6–1.3 19.51N–.04 70.81W–.07 23–7 26 0-5
SSNC XII 22 11 55 19.1–1.4 19.46N 70.30W 7–16 3.5,2.7L ¶625905427
OSPL XII 22 11 55 27.9–1.9 19.52N 70.74W 12–4 2.8L,2.7L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=18.2km s-min=15.5km az=-1.0. Presumed earthquake.
OSPL Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=-1.0. Presumed earthquake.

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ISC VII 01 17 11 16.0–1.0 17.95N–.05 67.11W–.03 18–4 92 0-2
NEIC VII 01 17 11 16.2–.98 17.94N–.03 67.12W–.02 16–1 3.5,3.1L ¶620676532
RSPR VII 01 17 11 17.0 17.95N 67.11W 12–0 3.5,3.1L
OSPL VII 01 17 11 17.1–.36 17.94N 67.10W 11–1 3.2L,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.1km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0. Presumed earthquake.
RSPR VII 03 01 56 43.8 17.96N 67.10W 10–0
¶626529416
RSPR Event type ke.
RSPR VII 03 01 56 46.4 17.96N 67.10W 10–0 3.0
¶625474494
RSPR Event type ke.
ISC VII 03 04 57 27.6–2.1 17.56N–.10 68.46W–.06 24–15 55 1-3
RSPR VII 03 04 57 28.9 18.74N 68.37W 123–1 3.9 ¶620733164
NEIC VII 03 04 57 30.0–1.1 17.61N–.07 68.39W–.05 35–2 3.9,2.5L
OSPL VII 03 04 57 31.6–.93 17.75N 68.18W 0–9 2.6L,2.5L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.0km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=12.1km s-min=6.3km az=-1.0. Presumed earthquake.
ISC VII 03 06 19 20.5–1.3 18.30N–.10 68.09W–.03 105–8 99 0-3
NEIC VII 03 06 19 20.8–1.3 18.4N–.10 68.06W–.05 106–7 3.7,2.8L ¶620733168
RSPR VII 03 06 19 21.0 18.40N 68.07W 105–1 3.7,2.8L
OSPL VII 03 06 19 22.7–1.8 18.23N 68.07W 97–10 3.1L,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=5.8km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=12.6km s-min=4.4km az=-1.0. Presumed earthquake.
ISC VII 08 03 08 37.6–1.5 18.53N–.07 68.91W–.03 172–10 100 0-4
NEIC VII 08 03 08 39.7–1.3 18.4N–.30 68.92W–.06 154–15 3.9,3.0L ¶622449035
OSPL VII 08 03 08 40.6–1.6 18.46N 68.91W 168–7 3.1L,3.0L
RSPR VII 08 03 08 42.0 19.63N 68.53W 93–9 3.9,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=39.5km s-min=2.9km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC VII 14 07 32 13.7–1.4 19.55N–.06 67.59W–.03 16–10 96 1-4
NEIC VII 14 07 32 17.3–.73 19.36N–.04 67.59W–.03 5–8 3.7,2.9L ¶620823860
OSPL VII 14 07 32 18.8–.92 19.37N 67.62W 5–5 3.1L,2.9L
RSPR VII 14 07 32 20.3 19.49N 67.58W 47–13 3.7,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.9km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=4.2km s-min=2.6km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC VII 16 21 15 23.9–1.5 18.1N–.10 68.67W–.03 135–11 82 1-3
RSPR VII 16 21 15 24.7 18.07N 68.63W 134–1 3.9 ¶620833023
OSPL VII 16 21 15 24.8–1.3 18.26N 68.63W 152–10 2.8L
NEIC VII 16 21 15 24.4–.77 17.9N–.20 68.69W–.07 114–13 3.9,2.9L
ISC Event type ke.
RSPR Event type ke.
OSPL Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 03 50 02.0–.89 17.96N–.05 67.09W–.02 18–3 102 0-4
NEIC VII 18 03 50 03.3–1.3 17.94N–.02 67.11W–.02 10–1 3.5L,3.1 ¶620833274
RSPR VII 18 03 50 03.4 17.94N 67.10W 11–0 3.1,3.1
OSPL VII 18 03 50 03.4–.44 17.92N 67.09W 11–1 3.2L,3.1
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.3km az=37.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=2.3km s-min=1.4km az=-1.0. Presumed earthquake.
ISC VII 18 03 52 22.1–1.2 17.75N–.03 67.15W–.02 1–7 4.2b,3.4s 235 0-87
IDC VII 18 03 52 22.9–.57 17.78N 67.03W 0 3.9b,3.9 ¶620833275
CATAC VII 18 03 52 24.5–1.1 18N–4.0 67W–3.0 14–4 4.4,4.4
NEIC VII 18 03 52 24.1–2.0 17.83N–.03 67.10W–.02 7–5 4.6L,4.5L
RSPR VII 18 03 52 25.3 17.94N 67.10W 11–0 4.0,4.5L
OSPL VII 18 03 52 25.2–.32 17.91N 67.10W 11–1 4.3L,4.5L
ISC Event type ke.
IDC Error ellipse: s-maj=18.3km s-min=12.9km az=77.0.
CATAC Error ellipse: s-maj=10.4km s-min=4.5km az=30.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.6km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=1.6km s-min=1.0km az=-1.0. Presumed earthquake.
ISC VII 18 04 42 58.8–1.1 17.92N–.05 67.08W–.03 17–4 97 0-2
NEIC VII 18 04 42 59.4–1.1 17.91N–.03 67.13W–.02 10–1 3.4L,3.4 ¶620833278
RSPR VII 18 04 43 00.0 17.94N 67.10W 11–0 3.4,3.4
OSPL VII 18 04 43 00.1–.46 17.93N 67.11W 12–1 3.5L,3.4
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=2.9km az=30.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=2.4km s-min=1.5km az=-1.0. Presumed earthquake.
ISC VII 18 04 45 39.8–1.2 17.78N–.04 67.12W–.02 7–8 3.9b,3.1s 146 0-73
IDC VII 18 04 45 39.6–.99 17.70N 67.03W 0 3.6b,3.6 ¶620833279
NEIC VII 18 04 45 41.2–.95 17.91N–.03 67.12W–.02 15–3 4.4b,4.3L
RSPR VII 18 04 45 42.4 17.96N 67.10W 12–0 3.5,4.3L
OSPL VII 18 04 45 42.5–.74 17.95N 67.06W 12–2 4.3L,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=21.1km az=67.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=1.8km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=3.7km s-min=1.7km az=-1.0. Presumed earthquake.
ISC VII 27 16 20 41.8–1.4 17.97N–.09 68.40W–.03 81–18 71 1-3
OSPL VII 27 16 20 42.7–1.8 17.95N 68.44W 16–21 3.0L ¶620856933
NEIC VII 27 16 20 44.2–.39 17.9N–.20 68.32W–.02 60–6 3.7,2.7L
RSPR VII 27 16 20 44.3 17.97N 68.27W 84–3 3.7,2.7L
ISC Event type ke.
OSPL Event type se. Error ellipse: s-maj=7.7km s-min=5.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=2.9km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 27 02 15 16.5–1.7 18.40N–.09 68.76W–.03 149–14 75 1-6
NEIC VII 27 02 15 19.6–1.1 18.4N–.20 68.72W–.06 120–10 3.7,2.6L ¶620847116
OSPL VII 27 02 15 19.9–1.1 18.34N 68.75W 132–11 2.7L,2.6L
RSPR VII 27 02 15 21.9 18.46N 68.43W 147–2 3.7,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=4.6km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=7.2km s-min=3.2km az=-1.0. Presumed earthquake.
RSPR Event type ke.
RSPR VII 28 12 22 00.7 17.97N 67.24W 6–0 3.1
¶620857600
RSPR Event type ke.
ISC VIII 01 14 40 50.3–1.1 17.90N–.05 67.14W–.03 19–2 91 0-2
NEIC VIII 01 14 40 51.9–1.2 17.93N–.03 67.13W–.02 10–1 3.3,2.9L ¶620925701
OSPL VIII 01 14 40 51.9–.39 17.89N 67.14W 12–2 3.5L,2.9L
RSPR VIII 01 14 40 52.6 17.95N 67.10W 12–0 3.3,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.8km az=28.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=2.7km s-min=2.6km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC VIII 01 12 01 28.2–2.2 18.2N–.10 68.16W–.08 96–13 88 0-8
NEIC VIII 01 12 01 27.5–1.1 18.2N–.20 68.19W–.09 99–9 3.6,2.5L ¶620925720
RSPR VIII 01 12 01 28.6 18.14N 68.16W 95–1 3.6,2.5L
OSPL VIII 01 12 01 28.9–1.2 17.83N 68.25W 67–26 3.0L,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=12.8km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=17.8km s-min=7.2km az=-1.0. Presumed earthquake.
NEIC VIII 14 13 23 13.1–1.8 18.03N–.02 67.15W–.02 10–1 2.7,2.4L
RSPR VIII 14 13 23 12.6 17.97N 67.17W 6–0 2.7,2.4L ¶620986713

NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.4km az=214.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VIII 05 19 45 04.0–1.3 18.04N–.05 68.44W–.03 24–14 76 0-13
NEIC VIII 05 19 45 05.2–.65 18.01N–.05 68.44W–.03 35–2 3.8,3.1L **¶620970701**
RSPR VIII 05 19 45 06.6 18.21N 68.44W 60–1 3.8,3.1L
OSPL VIII 05 19 45 06.2–2.4 18.87N 67.95W 0–15 2.9L,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=3.1km az=24.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=13.0km s-min=6.8km az=-1.0. Presumed earthquake.
ISC VIII 02 11 54 07.4–1.3 19.17N–.06 67.97W–.03 8–10 73 1-3
NEIC VIII 02 11 54 07.4–1.1 19.17N–.04 67.98W–.02 7–8 3.6,3.1L **¶620929557**
OSPL VIII 02 11 54 08.5–1.6 19.21N 67.95W 0–7 3.2L,3.1L
RSPR VIII 02 11 54 09.4 19.27N 68.10W 20–8 3.5,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=1.3km az=199.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=12.5km s-min=5.9km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC VIII 21 07 11 29.0–1.5 19.04N–.06 67.64W–.03 21–5 93 1-3
NEIC VIII 21 07 11 29.1–.92 19.01N–.06 67.66W–.03 17–9 3.6,2.8L **¶620999219**
RSPR VIII 21 07 11 30.7 19.04N 67.75W 55–4 3.6,2.8L
OSPL VIII 21 07 11 31.1–1.1 18.95N 67.67W 8–5 3.5L,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.2km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=5.7km s-min=2.8km az=-1.0. Presumed earthquake.
ISC VIII 15 21 38 24.6–3.2 18.2N–.20 68.07W–.09 115–19 45 0-2
NEIC VIII 15 21 38 26.2–1.0 18.1N–.20 68.05W–.08 103–6 3.6,2.4L **¶620987284**
RSPR VIII 15 21 38 27.4 18.28N 68.00W 103–1 3.6,2.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=5.3km az=204.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VIII 20 14 01 22.2–1.7 18.1N–.10 68.88W–.03 186–12 71 1-3
NEIC VIII 20 14 01 21.5–.68 17.9N–.40 68.89W–.05 189–13 3.8,3.0L **¶620998946**
OSPL VIII 20 14 01 22.1–1.2 18.17N 68.81W 209–8 3.1L,3.0L
RSPR VIII 20 14 01 22.4 18.29N 68.88W 187–0 3.8,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=57.9km s-min=6.5km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=8.7km s-min=3.9km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC VIII 20 09 43 11.3–2.1 19.13N–.09 67.11W–.04 30–12 63 1-2
NEIC VIII 20 09 43 09.5–.95 19.23N–.07 67.03W–.03 35–2 3.7,2.5L **¶620998519**
RSPR VIII 20 09 43 11.9 19.24N 67.19W 27–27 3.7,2.5L
OSPL VIII 20 09 43 13.3–.49 19.06N 67.16W 22–3 3.2L,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=4.1km az=359.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=3.4km s-min=3.3km az=-1.0. Presumed earthquake.
ISC VIII 31 03 32 47.9–2.0 19.43N–.07 67.53W–.03 29–16 83 1-4
OSPL VIII 31 03 32 47.9–1.9 19.44N 67.58W 9–13 3.3L **¶621011412**
NEIC VIII 31 03 32 48.9–.76 19.40N–.03 67.51W–.03 28–11 3.8,3.0L
RSPR VIII 31 03 32 48.0 19.59N 67.54W 19–8 3.8,3.0L
ISC Event type ke.
OSPL Event type se. Error ellipse: s-maj=7.4km s-min=6.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VIII 23 01 52 54.3–1.5 19.05N–.05 67.10W–.03 9–10 104 1-4
NEIC VIII 23 01 52 57.3–.54 19.00N–.05 67.11W–.02 35–2 3.7,3.0L **¶620999719**
RSPR VIII 23 01 52 57.5 19.05N 67.12W 8–1 3.7,3.0L
OSPL VIII 23 01 52 58.6–.65 18.97N 67.15W 30–4 3.3L,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=3.1km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=6.0km s-min=4.9km az=-1.0. Presumed earthquake.
ISC VIII 24 04 08 11.5–.90 17.92N–.04 67.02W–.02 17–4 122 0-4
NEIC VIII 24 04 08 11.2–1.8 17.87N–.01 67.02W–.01 10–1 3.3L,3.3 **¶621001082**
CATAC VIII 24 04 08 12.9–.45 18N–3.0 67W–2.0 6–3 3.4,3.4
RSPR VIII 24 04 08 12.7 17.95N 67.02W 11–0 3.3,3.4
OSPL VIII 24 04 08 12.9–.53 17.94N 67.02W 12–2 3.5L,3.4
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.1km az=339.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=157.1. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=2.9km s-min=1.7km az=-1.0. Presumed earthquake.
ISC VIII 25 23 27 42.9–1.3 18.44N–.07 68.90W–.03 110–9 96 1-7
NEIC VIII 25 23 27 42.2–1.3 18.4N–.10 68.90W–.04 121–7 3.9,3.0L **¶621007384**
RSPR VIII 25 23 27 43.2 18.55N 68.88W 109–0 3.9,3.0L
OSPL VIII 25 23 27 44.5–1.6 18.40N 68.90W 104–9 3.1L,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=4.6km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=7.3km s-min=5.1km az=-1.0. Presumed earthquake.
ISC VIII 24 03 26 32.6–1.2 19.14N–.05 67.58W–.03 17–9 101 1-4
OSPL VIII 24 03 26 35.9–.76 19.00N 67.67W 6–3 3.5L **¶621001079**
RSPR VIII 24 03 26 37.2 19.05N 67.69W 58–9 3.8
NEIC VIII 24 03 26 38.9–2.8 18.90N–.03 67.57W–.04 35–2 3.8,3.2L
ISC Event type ke.
OSPL Event type se. Presumed earthquake.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 05 59 37.6–1.2 18.72N–.05 67.18W–.03 29–7 103 0-2
NEIC VIII 30 05 59 37.9–.80 18.70N–.06 67.18W–.03 29–9 3.5,2.6L **¶621010123**
OSPL VIII 30 05 59 38.7–.28 18.72N 67.19W 23–1 3.0L,2.6L
RSPR VIII 30 05 59 39.0 18.76N 67.20W 24–6 3.5,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.4km az=178.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=1.6km s-min=1.3km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC IX 02 05 32 22.3–2.4 19.58N–.07 67.55W–.04 3–15 44 1-2
OSPL IX 02 05 32 25.8–.51 19.49N 67.58W 2–3 3.0L **¶625472891**
RSPR IX 02 05 32 26.4 19.64N 67.53W 66–8 3.9
ISC Event type ke.
OSPL Event type se. Error ellipse: s-maj=2.4km s-min=1.6km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC IX 05 08 14 06.4–1.3 18.14N–.08 68.49W–.03 43–15 96 0-4
NEIC IX 05 08 14 05.6–.90 18.05N–.06 68.51W–.01 35–2 3.8,3.0L **¶621035484**
RSPR IX 05 08 14 05.6 18.17N 68.55W 58–1 3.8,3.0L
OSPL IX 05 08 14 05.9–2.7 18.04N 68.50W 18–19 2.5L,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=3.1km az=176.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=19.7km s-min=9.4km az=-1.0. Presumed earthquake.
ISC IX 06 03 53 01.2–1.1 18.94N–.06 68.78W–.03 8–10 70 1-6
NEIC IX 06 03 53 01.7–1.9 19.03N–.04 68.73W–.03 10–2 3.1L,3.0 **¶621036056**
RSPR IX 06 03 53 01.2 19.00N 68.75W 3–2 3.1L,3.0
OSPL IX 06 03 53 02.7–2.2 19.01N 68.74W 0–13 2.5L,3.0
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=3.1km az=37.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=14.3km s-min=10.9km az=-1.0. Presumed earthquake.
ISC IX 06 03 53 53.4–.97 18.97N–.04 68.80W–.02 29–9 169 0-14
NEIC IX 06 03 53 51.8–2.0 19.12N–.04 68.72W–.03 10–2 4.0,3.9L **¶625472918**
OSPL IX 06 03 53 54.6–2.4 19.04N 68.72W 8 3.7L,3.9L
CATAC IX 06 03 53 55.6–.28 19N–6.0 69W–2.0 10 4.2,4.2
RSPR IX 06 03 53 55.6 18.94N 68.74W 10–31 4.0,4.2
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=10.6km s-min=7.6km az=-1.0. Presumed earthquake.
CATAC Error ellipse: s-maj=13.8km s-min=2.7km az=9.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSPR Event type ke.
ISC IX 15 14 02 56.6–1.3 18.59N–.05 69.00W–.03 118–9 110 1-5
NEIC IX 15 14 02 56.3–1.1 18.6N–.20 69.00W–.09 118–5 4.0,3.3L **¶621076735**
RSPR IX 15 14 02 57.6 18.54N 68.99W 110–1 4.0,3.3L
OSPL IX 15 14 02 58.2–2.3 18.55N 68.95W 117–11 3.3L,3.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=7.1km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=7.7km s-min=5.8km az=-1.0. Presumed earthquake.
ISC IX 07 21 26 23.1–1.4 18.35N–.07 68.67W–.03 115–9 98 0-3
RSPR IX 07 21 26 23.8 18.48N 68.69W 113–1 3.9 **¶621041906**
NEIC IX 07 21 26 24.5–1.2 18.4N–.10 68.61W–.05 103–13 3.9,3.0L
OSPL IX 07 21 26 25.0–1.7 18.36N 68.67W 113–10 3.3L,3.0L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=5.6km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=8.5km s-min=3.8km az=-1.0. Presumed earthquake.
ISC IX 11 10 24 35.5–1.4 18.50N–.06 68.86W–.03 129–10 83 1-5
OSPL IX 11 10 24 34.8–1.3 18.40N 68.64W 132–9 3.3L **¶621069784**
NEIC IX 11 10 24 36.7–.73 18.6N–.10 68.86W–.05 101–12 4.0,3.1L
RSPR IX 11 10 24 36.4 18.47N 68.86W 121–2 4.0,3.1L
ISC Event type ke.
OSPL Event type se. Error ellipse: s-maj=5.7km s-min=6.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=6.4km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
NEIC IX 12 06 48 22.6–1.4 17.95N–.03 67.08W–.02 10–1 3.2,2.4L
CATAC IX 12 06 48 22.2–1.1 18N–4.0 67W–4.0 12–6 2.5,2.5 **¶621070434**
RSPR IX 12 06 48 22.6 17.94N 67.11W 11–0 3.2,2.5
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.3km az=21.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Error ellipse: s-maj=8.3km s-min=7.6km az=41.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSPR Event type ke.
ISC IX 19 16 47 55.5–.63 18.54N–.04 68.79W–.03 136–6 3.7b 228 1-158
TRN IX 19 16 47 53.5 19.92N 68.49W 67 0.0 **¶621083130**
IDC IX 19 16 47 54.9–2.0 18.44N 68.79W 128–19 3.7,3.3b
NEIC IX 19 16 47 56.4–.95 18.48N–.07 68.77W–.03 128–4 4.3,4.2b
RSPR IX 19 16 47 56.6 18.55N 68.75W 130–0 4.2,4.2b
OSPL IX 19 16 47 56.4–1.9 18.49N 68.77W 147–9 4.1L,4.2b
CATAC IX 19 16 47 58.0–.90 18N–7.0 69W–2.0 23–7 4.5b,4.2
SSNC IX 19 16 48 24.2–21 18.82N 71.30W 120 4.7b,3.6L
ISC Event type ke.
TRN North-west of Puerto Rico.
IDC Error ellipse: s-maj=20.8km s-min=17.5km az=75.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=3.2km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=14.5km s-min=3.0km az=10.6. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SSNC Event type se. Error ellipse: s-maj=169.1km s-min=165.2km az=-1.0. Presumed earthquake.
ISC IX 21 12 01 40.0–1.0 18.82N–.07 68.20W–.03 33–12 99 1-3
RSPR IX 21 12 01 39.5 18.87N 68.28W 83–5 3.9 **¶621094392**
OSPL IX 21 12 01 39.3–1.8 19.20N 68.01W 0–9 3.4L
NEIC IX 21 12 01 40.3–1.8 18.8N–.10 68.18W–.07 50–18 3.9,3.3L
ISC Event type ke.
RSPR Event type ke.
OSPL Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 20 04 44 20.5–1.2 18.95N–.05 68.78W–.02 1–10 116 1-3
NEIC IX 20 04 44 22.2–1.8 18.87N–.09 68.80W–.03 10–2 3.8,3.0L **¶625472993**
OSPL IX 20 04 44 23.6–1.7 19.08N 68.80W 0–7 3.0L,3.0L
RSPR IX 20 04 44 26.3 18.92N 68.78W 15–31 3.8,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=3.0km az=16.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=6.7km s-min=3.7km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC IX 21 12 16 30.5–1.2 18.89N–.08 68.13W–.04 25–14 77 1-3
OSPL IX 21 12 16 27.9–1.2 19.41N 67.94W 0–11 2.6L **¶621094390**
RSPR IX 21 12 16 30.4 18.90N 68.17W 87–4 3.8
NEIC IX 21 12 16 31.6–1.8 18.8N–.10 68.13W–.06 48–17 3.8,2.8L
ISC Event type ke.
OSPL Event type se. Presumed earthquake.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IX 24 23 16 39.3–.81 19.27N–.05 67.08W–.04 12–9 3.4,2.6L
RSPR IX 24 23 16 40.8 19.38N 67.07W 11–3 3.4,2.6L **¶621109875**
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.3km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IX 21 13 30 58.2–1.2 18.95N–.07 68.09W–.03 8–10 79 1-4
OSPL IX 21 13 30 57.7–2.1 19.28N 67.96W 2–15 3.1L **¶621094399**
RSPR IX 21 13 30 59.9 18.98N 68.15W 83–5 3.5

NEIC IX 21 13 31 00.7–1.5 18.74N–.09 68.21W–.05 50–6 3.5,2.9L
ISC Event type ke.
OSPL Event type se. Presumed earthquake.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 20 02 59.8–1.7 18.2N–.10 68.56W–.04 182–12 78 0-3
NEIC X 12 20 03 00.9–1.5 18.0N–.40 68.57W–.07 170–11 3.9,2.7L ¶621146470
RSPR X 12 20 03 01.5 18.09N 68.58W 172–0 3.9,2.7L
OSPL X 12 20 03 01.8–1.1 18.23N 68.56W 185–15 2.8L,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=56.0km s-min=6.2km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=9.6km s-min=4.2km az=-1.0. Presumed earthquake.
ISC X 08 23 07 38.4–1.7 19.19N–.07 67.25W–.03 23–14 88 1-2
RSPR X 08 23 07 38.9 19.31N 67.32W 27–12 3.7 ¶621143675
NEIC X 08 23 07 39.3–.80 19.18N–.06 67.26W–.03 35–2 3.7,2.9L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 11 23 30 05.2–1.3 18.03N–.08 68.45W–.03 86–11 91 0-3
NEIC X 11 23 30 05.3–1.2 18.1N–.10 68.47W–.05 84–9 3.8,2.6L ¶621146133
RSPR X 11 23 30 06.0 18.11N 68.43W 88–1 3.8,2.6L
OSPL X 11 23 30 07.0–1.6 18.07N 68.44W 85–12 3.0L,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=5.7km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=7.9km s-min=3.8km az=-1.0. Presumed earthquake.
ISC IX 26 06 19 57.9–1.3 18.54N–.05 68.90W–.02 117–7 140 0-7
NEIC IX 26 06 19 58.6–1.1 18.58N–.09 68.86W–.04 112–5 4.1,3.6L ¶621110206
RSPR IX 26 06 19 58.6 18.51N 68.91W 109–1 4.1,3.6L
OSPL IX 26 06 19 59.0–1.9 18.49N 68.85W 118–7 3.5L,3.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=5.4km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=6.2km s-min=5.3km az=-1.0. Presumed earthquake.
ISC IX 29 18 58 55.4–1.2 18.93N–.05 68.24W–.03 9–10 81 0-3
NEIC IX 29 18 58 55.8–.73 18.69N–.09 68.36W–.05 10–2 3.7,3.1L ¶621113100
OSPL IX 29 18 58 57.5–1.9 18.97N 68.14W 0–10 3.0L,3.1L
RSPR IX 29 18 58 58.8 18.94N 68.28W 9–3 3.7,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=3.1km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=6.9km s-min=5.7km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC X 01 10 17 58.3–1.5 18.30N–.08 68.96W–.03 131–10 77 1-3
NEIC X 01 10 17 55.4–1.5 18.4N–.30 68.97W–.06 153–11 3.8,2.6L ¶621115396
RSPR X 01 10 17 59.7 18.49N 68.97W 123–1 3.8,2.6L
OSPL X 01 10 18 00.0–1.4 18.32N 68.87W 134–10 2.8L,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=45.8km s-min=7.6km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=-1.0. Presumed earthquake.
ISC IX 29 03 04 06.4–1.7 19.24N–.08 67.16W–.03 28–12 96 1-2
NEIC IX 29 03 04 07.5–1.1 19.23N–.06 67.15W–.04 35–2 3.5,2.6L ¶621112432
RSPR IX 29 03 04 07.7 19.30N 67.21W 24–29 3.5,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.8km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC X 14 03 12 55.4–.61 18.36N–.05 68.26W–.03 149–6 4.2b 265 0-69
NEIC X 14 03 12 55.2–1.2 18.38N–.10 68.25W–.05 154–4 4.6b,4.6L ¶621148704
IDC X 14 03 12 55.7–1.3 18.22N 68.24W 146–13 3.8,3.4b
PTWC X 14 03 12 56 18.40N 68.10W 151 4.4L,3.4b
RSPR X 14 03 12 56.6 18.39N 68.22W 144–1 4.2,3.4b
OSPL X 14 03 12 56.5–1.6 18.34N 68.23W 162–6 4.4L,3.4b
CATAC X 14 03 12 58.6–.97 19N–7.0 68W–2.0 28–9 4.6,4.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 16 23 14 18.8–1.6 19.04N–.07 67.71W–.03 24–13 88 1-5
NEIC X 16 23 14 19.2–.85 19.05N–.04 67.68W–.03 28–11 3.6,2.8L ¶621204788
RSPR X 16 23 14 19.3 19.12N 67.75W 57–6 3.6,2.8L
OSPL X 16 23 14 19.9–.66 19.01N 67.71W 14–7 3.4L,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.5km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=5.7km s-min=2.1km az=-1.0. Presumed earthquake.
ISC X 17 07 21 04.9–1.2 18.22N–.09 68.23W–.03 86–8 105 0-7
NEIC X 17 07 21 04.2–.64 18.1N–.20 68.30W–.06 85–11 3.7,2.6L ¶621204821
RSPR X 17 07 21 05.3 18.46N 68.23W 87–1 3.7,2.6L
OSPL X 17 07 21 07.2–2.5 18.15N 68.23W 74–18 2.7L,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=5.4km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=16.1km s-min=6.9km az=-1.0. Presumed earthquake.
ISC X 20 19 37 43.2–1.1 18.09N–.06 68.48W–.03 64–11 102 0-13
NEIC X 20 19 37 43.6–1.2 18.2N–.10 68.49W–.05 72–9 3.6,2.8L ¶621224731
RSPR X 20 19 37 45.3 18.21N 68.46W 66–1 3.6,2.8L
OSPL X 20 19 37 46.2–1.6 18.13N 68.43W 54–13 2.9L,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=4.5km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=7.3km s-min=4.1km az=-1.0. Presumed earthquake.
ISC X 17 12 47 07.3–1.4 17.93N–.10 68.50W–.03 76–17 43 1-3
RSPR X 17 12 47 09.1 18.01N 68.48W 70–2 3.7 ¶625473146
OSPL X 17 12 47 09.3–1.5 17.96N 68.50W 70–15 2.7L
ISC Event type ke.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=7.8km s-min=3.5km az=-1.0. Presumed earthquake.
ISC X 19 07 40 34.2–1.9 19.18N–.08 67.27W–.04 25–14 50 1-7
OSPL X 19 07 40 33.9–.71 19.26N 67.26W 19–4 3.1L ¶625473162
RSPR X 19 07 40 35.0 19.25N 67.25W 11–3 3.5
ISC Event type ke.
OSPL Event type se. Error ellipse: s-maj=4.3km s-min=4.6km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC X 25 07 14 41.2–1.4 19.26N–.05 67.27W–.03 30–12 136 1-14
NEIC X 25 07 14 41.3–.70 19.27N–.03 67.23W–.04 23–10 3.7,3.4L ¶621238545
OSPL X 25 07 14 42.5–1.4 19.22N 67.30W 7–7 3.7L,3.4L
RSPR X 25 07 14 44.5 19.27N 67.30W 18–6 3.7,3.4L

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.4km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC X 22 21 30 14.0–1.4 19.16N–.05 67.99W–.02 6–10 102 1-4
OSPL X 22 21 30 16.5–1.3 19.12N 68.03W 6–8 3.5L ¶621237633
NEIC X 22 21 30 17.6–1.6 18.99N–.05 68.02W–.02 35–2 3.7,3.2L
RSPR X 22 21 30 17.5 19.33N 67.95W 10–31 3.7,3.2L
ISC Event type ke.
OSPL Event type se. Error ellipse: s-maj=5.4km s-min=4.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=3.9km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC X 23 16 29 16.2–1.5 18.06N–.09 68.27W–.04 95–10 108 0-3
NEIC X 23 16 29 16.6–.66 18.0N–.10 68.30W–.03 88–10 3.8,3.2L ¶621237897
OSPL X 23 16 29 16.5–.95 17.84N 68.40W 80–13 3.2L,3.2L
RSPR X 23 16 29 17.3 18.12N 68.25W 93–1 3.8,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=3.4km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=11.6km s-min=6.0km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC X 25 09 54 43.2–.90 18.17N–.06 68.46W–.03 113–8 144 0-15
NEIC X 25 09 54 43.6–.81 18.1N–.10 68.49W–.04 106–7 3.9,3.4L ¶621238560
RSPR X 25 09 54 43.4 18.17N 68.44W 119–2 3.9,3.4L
OSPL X 25 09 54 45.0–1.9 18.13N 68.45W 112–10 3.5L,3.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=4.5km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=7.5km s-min=4.0km az=-1.0. Presumed earthquake.
ISC X 30 15 28 08.0–.93 18.22N–.04 67.35W–.02 20–7 100 0-2
NEIC X 30 15 28 08.1–1.9 18.16N–.02 67.38W–.02 10–1 3.5,2.9L ¶621244503
RSPR X 30 15 28 08.8 18.16N 67.37W 10–0 3.5,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.9km az=32.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 05 13 19 24.8–1.6 18.0N–.10 68.40W–.04 105–12 60 1-3
NEIC XI 05 13 19 24.7–.60 17.9N–.20 68.46W–.05 96–14 3.5,2.6L ¶621366513
RSPR XI 05 13 19 26.6 18.02N 68.33W 102–2 3.5,2.6L
OSPL XI 05 13 19 27.7–2.0 18.17N 68.30W 108–15 2.4L,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=6.0km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=13.6km s-min=7.0km az=-1.0. Presumed earthquake.
ISC XI 02 07 35 10.5–1.3 18.86N–.06 68.31W–.04 23–17 34 0-2
RSPR XI 02 07 35 08.7 18.94N 68.53W 73–4 3.5 ¶625473265
OSPL XI 02 07 35 10.2–1.8 18.99N 68.18W 0–8 2.4L
ISC Event type ke.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=-1.0. Presumed earthquake.
ISC XI 02 12 43 36.5–1.7 18.47N–.10 68.84W–.04 155–12 59 0-3
NEIC XI 02 12 43 35.6–1.2 18.4N–.30 68.9W–.10 158–11 3.8,2.8L ¶621254058
RSPR XI 02 12 43 39.9 18.47N 68.89W 134–1 3.8,2.8L
OSPL XI 02 12 43 41.1–1.1 18.45N 68.80W 137–7 2.7L,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=40.8km s-min=8.3km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=6.1km s-min=3.3km az=-1.0. Presumed earthquake.
ISC X 30 20 03 11.4–1.4 18.04N–.09 68.36W–.03 106–10 90 0-3
NEIC X 30 20 03 11.6–.82 18.1N–.40 68.37W–.08 103–14 3.8,3.0L ¶621244521
RSPR X 30 20 03 11.6 18.12N 68.36W 109–0 3.8,3.0L
OSPL X 30 20 03 12.9–1.6 18.09N 68.36W 110–13 2.7L,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=55.6km s-min=5.9km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=10.1km s-min=4.7km az=-1.0. Presumed earthquake.
ISC XI 13 08 11 54.4–2.0 17.9N–.10 68.58W–.07 100–16 57 1-3
NEIC XI 13 08 11 54.9–1.0 17.9N–.30 68.60W–.06 92–25 3.8,2.7L ¶621402624
RSPR XI 13 08 11 56.4 17.94N 68.38W 119–2 3.8,2.7L
OSPL XI 13 08 11 56.4–1.4 17.81N 68.60W 84–19 2.4L,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=4.9km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=15.3km s-min=7.7km az=-1.0. Presumed earthquake.
ISC XI 07 11 01 35.3–1.2 18.93N–.05 67.92W–.02 10–9 99 1-3
OSPL XI 07 11 01 37.9–2.7 18.90N 67.95W 5–14 2.1L ¶621372280
NEIC XI 07 11 01 38.3–1.0 18.78N–.09 68.02W–.03 48–14 3.6,2.6L
RSPR XI 07 11 01 38.6 18.89N 67.96W 6–1 3.6,2.6L
ISC Event type ke.
OSPL Event type se. Error ellipse: s-maj=11.5km s-min=6.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=1.4km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 12 11 44 25.6–1.3 18.09N–.06 68.47W–.03 98–9 100 0-7
NEIC XI 12 11 44 25.6–.66 18.15N–.08 68.49W–.04 100–10 4.0,3.3L ¶621401371
RSPR XI 12 11 44 26.3 18.21N 68.48W 101–1 4.0,3.3L
OSPL XI 12 11 44 27.7–1.5 18.07N 68.45W 86–10 3.5L,3.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.2km az=186.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=6.5km s-min=4.0km az=-1.0. Presumed earthquake.
ISC XI 19 02 38 08.5–1.8 19.02N–.10 67.66W–.05 19–4 49 1-2
RSPR XI 19 02 38 10.8 19.02N 67.71W 51–5 3.6 ¶625473365
OSPL XI 19 02 38 10.1–.43 19.01N 67.63W 8–2 3.1L
ISC Event type ke.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=3.8km s-min=1.2km az=-1.0. Presumed earthquake.
ISC XI 26 03 00 25.8–1.3 18.35N–.07 68.87W–.03 103–11 72 0-3
RSPR XI 26 03 00 25.3 18.61N 68.82W 114–1 4.0 ¶621469749
NEIC XI 26 03 00 25.3–2.0 18.4N–.10 68.89W–.05 103–6 4.0,2.8L
OSPL XI 26 03 00 27.7–2.5 18.38N 68.88W 103–23 2.8L,2.8L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=3.5km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=12.8km s-min=6.4km az=-1.0. Presumed earthquake.
ISC XI 24 20 23 44.7–1.5 18.41N–.10 68.73W–.03 148–9 94 0-3
OSPL XI 24 20 23 47.3–1.6 18.33N 68.75W 145–10 2.9L ¶621460291
RSPR XI 24 20 23 47.6 18.42N 68.74W 129–1 3.8
NEIC XI 24 20 23 47.1–1.1 18.4N–.10 68.70W–.07 127–6 3.8,2.8L
ISC Event type ke.

OSPL Event type se. Presumed earthquake.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 04 25 08.6–1.3 18.05N–.07 68.09W–.03 80–9 116 1-3
NEIC XI 25 04 25 08.7–1.0 18.14N–.10 68.07W–.05 82–9 3.7,3.2L **¶621464962**
RSPR XI 25 04 25 08.9 18.14N 68.08W 88–1 3.7,3.2L
OSPL XI 25 04 25 09.9–1.8 17.90N 68.11W 24–10 3.1L,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.4km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=6.2km s-min=3.1km az=-1.0. Presumed earthquake.
ISC XII 03 09 15 17.2–1.6 17.73N–.08 68.15W–.05 21–4 43 1-3
OSPL XII 03 09 15 17.9–1.6 17.70N 68.14W 10–15 2.3L **¶625473478**
RSPR XII 03 09 15 19.6 17.73N 68.16W 36–5 3.5
ISC Event type ke.
OSPL Event type se. Error ellipse: s-maj=8.2km s-min=5.2km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC XI 28 02 46 23.1–.83 17.93N–.03 67.01W–.02 18–3 140 0-7
CATAC XI 28 02 46 23.9–.44 18N–3.0 67W–2.0 7–3 3.7,3.7 **¶621480568**
NEIC XI 28 02 46 23.8–1.3 17.92N–.03 67.009W–.01 10–1 3.6L,3.3
RSPR XI 28 02 46 24.5 17.97N 67.00W 10–0 3.3,3.3
OSPL XI 28 02 46 24.5–.44 17.95N 67.01W 12–1 3.4L,3.3
ISC Event type ke.
CATAC Event type se. Error ellipse: s-maj=7.2km s-min=3.7km az=165.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.5km az=11.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=2.4km s-min=1.1km az=-1.0. Presumed earthquake.
ISC XI 26 01 12 24.0–3.4 18.1N–.20 68.2W–.10 65–26 32 0-3
RSPR XI 26 01 12 24.1 18.20N 68.17W 78–1 3.5 **¶625473415**
OSPL XI 26 01 12 24.4–1.9 17.93N 68.19W 17–11 2.7L
ISC Event type ke.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=14.1km s-min=7.0km az=-1.0. Presumed earthquake.
ISC XI 26 22 01 57.1–1.6 18.04N–.07 67.89W–.04 20–6 72 1-5
NEIC XI 26 22 01 57.0–.54 18.00N–.04 67.98W–.01 35–2 3.6,2.7L **¶621476314**
RSPR XI 26 22 01 58.6 18.02N 67.96W 39–5 3.6,2.7L
OSPL XI 26 22 01 58.6–1.9 18.06N 67.84W 6–13 3.1L,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.1km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=25.1km s-min=8.1km az=-1.0. Presumed earthquake.
ISC XII 16 05 41 29.3–1.4 17.98N–.06 68.48W–.03 25–14 100 1-3
NEIC XII 16 05 41 29.8–.82 18.02N–.05 68.53W–.02 33–2 3.7,2.8L **¶621630962**
OSPL XII 16 05 41 29.4–1.7 17.91N 68.50W 6–7 3.0L,2.8L
RSPR XII 16 05 41 30.4 18.07N 68.57W 51–3 3.7,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.4km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=7.1km s-min=3.4km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC XII 03 14 18 04.2–1.8 18.7N–.10 68.92W–.06 133–11 82 1-3
RSPR XII 03 14 18 04.2 18.61N 68.98W 133–1 3.5 **¶621612004**
NEIC XII 03 14 18 04.3–1.3 18.7N–.10 68.93W–.05 130–6 3.5,3.1L
OSPL XII 03 14 18 05.5–1.8 18.59N 68.96W 134–11 2.8L,3.1L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=3.8km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=13.6km s-min=7.1km az=-1.0. Presumed earthquake.
ISC XII 05 06 53 22.6–1.5 18.96N–.06 68.26W–.03 6–10 63 0-3
RSPR XII 05 06 53 25.2 18.87N 68.39W 7–1 3.7 **¶621612594**
NEIC XII 05 06 53 26.0–.78 18.5N–.20 68.47W–.05 35–2 3.7,2.5L
OSPL XII 05 06 53 26.1–.92 18.51N 68.48W 46–5 2.2L,2.5L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=5.0km az=13.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=17.7km s-min=12.3km az=-1.0. Presumed earthquake.
ISC XII 12 02 17 56.2–1.5 18.36N–.09 68.83W–.03 117–11 49 0-3
NEIC XII 12 02 17 55.2–1.5 18.1N–.30 68.91W–.10 112–12 3.7,2.7L **¶621627631**
RSPR XII 12 02 17 55.2 17.90N 68.98W 95–6 3.7,2.7L
OSPL XII 12 02 17 57.6–1.6 18.42N 68.77W 118–11 3.0L,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=39.3km s-min=7.1km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=8.3km s-min=5.2km az=-1.0. Presumed earthquake.
ISC XII 12 17 22 13.7–1.1 18.65N–.05 67.43W–.02 14–8 96 0-2
NEIC XII 12 17 22 13.8–1.2 18.64N–.04 67.42W–.01 10–1 3.5,3.0L **¶621627821**
RSPR XII 12 17 22 15.7 18.58N 67.43W 10–0 3.5,3.0L
OSPL XII 12 17 22 15.5–.71 18.59N 67.45W 12–6 3.2L,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=2.9km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=4.2km s-min=1.9km az=-1.0. Presumed earthquake.
ISC XII 21 22 58 43.6–2.2 19.5N–.10 67.83W–.05 17–14 78 1-3
NEIC XII 21 22 58 45.7–1.3 19.36N–.03 67.83W–.03 22–11 3.5,2.6L **¶621637432**
OSPL XII 21 22 58 47.1–.48 19.31N 67.80W 0–4 2.8L,2.6L
RSPR XII 21 22 58 48.0 19.48N 67.75W 29–27 3.5,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.6km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=4.3km s-min=1.7km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC XII 21 20 33 57.8–1.3 18.18N–.07 68.42W–.03 120–8 108 0-7
NEIC XII 21 20 33 56.4–2.0 18.0N–.10 68.47W–.05 127–10 3.7,3.3L **¶621637421**
RSPR XII 21 20 33 59.4 18.24N 68.43W 111–1 3.7,3.3L
OSPL XII 21 20 34 00.7–2.1 18.16N 68.41W 114–12 3.5L,3.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=6.2km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=11.3km s-min=5.5km az=-1.0. Presumed earthquake.
ISC XII 22 09 29 57.1–1.6 18.1N–.20 68.42W–.05 51–25 35 0-3
RSPR XII 22 09 29 57.8 18.30N 68.35W 64–0 3.7 **¶625473575**
OSPL XII 22 09 29 59.2–2.0 18.11N 68.39W 41–37 2.5L
ISC Event type ke.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=18.7km s-min=5.6km az=-1.0. Presumed earthquake.

(90) Puerto Rico region.

ISC VII 01 14 22 29.5–3.5 19.0N–.10 65.4W–.10 53–38 76 1-2
NEIC VII 01 14 22 27.5–.90 19.03N–.06 65.26W–.04 35–2 3.7,3.4L **¶620676522**
RSPR VII 01 14 22 28.8 18.93N 65.32W 71–4 3.7,3.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=3.1km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 02 14 07 27.3–3.4 19.0N–.10 65.4W–.10 65–32 58 1-2
NEIC VII 02 14 07 26.5–.86 19.11N–.06 65.35W–.06 35–2 3.6,2.8L **¶620714067**
RSPR VII 02 14 07 27.8 18.93N 65.35W 75–5 3.6,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=3.1km az=44.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 02 22 35 41.1–2.9 19.2N–.10 65.08W–.09 14–13 69 1-6
NEIC VII 02 22 35 43.8–.87 19.24N–.05 65.09W–.08 33–16 3.7,3.2L **¶620733157**
RSPR VII 02 22 35 44.8 19.25N 65.10W 57–10 3.7,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=4.9km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 05 07 40 55.8–1.4 18.69N–.07 65.19W–.02 29–12 98 0-5
TRN VII 05 07 40 58.9 19.09N 64.67W 56 0.0 **¶620733793**
NEIC VII 05 07 40 58.9–.95 18.58N–.06 65.36W–.05 29–5 3.5,2.8L
RSPR VII 05 07 40 59.1 18.62N 65.23W 28–3 3.5,2.8L
ISC Event type ke.
TRN North of the Virgin Islands.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.6km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 06 17 43 49.2–2.4 19.11N–.08 65.36W–.07 9–10 79 1-6
NEIC VII 06 17 43 49.6–1.6 19.15N–.08 65.15W–.05 35–2 3.7,3.5L **¶625474522**
RSPR VII 06 17 43 52.4 19.11N 65.24W 48–10 3.7,3.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.1km az=15.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 06 18 40 55.5–1.4 19.05N–.08 65.33W–.03 45–32 107 1-15
NEIC VII 06 18 40 53.2–1.2 19.12N–.07 65.19W–.05 35–2 3.9L,3.9 **¶622449013**
RSPR VII 06 18 40 55.4 19.09N 65.26W 49–8 3.9,3.9
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.7km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 07 22 22 00.7–2.1 19.44N–.09 66.07W–.05 13–10 58 1-5
NEIC VII 07 22 22 03.2–.75 19.42N–.02 66.11W–.03 28–12 3.5,2.7L **¶622449033**
RSPR VII 07 22 22 04.2 19.49N 66.06W 30–20 3.5,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=1.9km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 21 06 19 36.1–2.1 19.15N–.09 66.44W–.03 26–12 89 1-1
NEIC VII 21 06 19 37.7–.84 19.12N–.07 66.46W–.04 35–2 3.5,2.8L **¶620840011**
RSPR VII 21 06 19 38.5 19.16N 66.45W 23–18 3.5,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.8km az=3.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 21 19 10 56.9–1.7 19.16N–.07 66.03W–.03 16–9 93 1-5
NEIC VII 21 19 10 59.2–.77 19.14N–.02 66.00W–.04 30–9 3.7,3.4L **¶620844202**
RSPR VII 21 19 11 00.3 19.20N 65.99W 25–25 3.6,3.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.3km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 21 19 37 41.6–1.9 19.16N–.08 66.01W–.04 28–12 97 1-5
NEIC VII 21 19 37 42.9–.70 19.15N–.06 66.03W–.03 35–2 3.6,3.2L **¶620844204**
RSPR VII 21 19 37 43.9 19.18N 66.01W 21–17 3.5,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=4.9km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
RSPR VII 23 07 17 44.0 17.93N 66.86W 15–0 2.2 ¶625474650
RSPR Event type ke.
ISC VII 25 19 46 43.2–1.5 18.38N–.09 65.18W–.06 32–7 70 0-4
NEIC VII 25 19 46 43.3–.99 18.56N–.04 65.28W–.03 10–2 3.5L,3.5 **¶620845948**
RSPR VII 25 19 46 44.6 18.40N 65.16W 23–0 3.5,3.5
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=2.9km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 28 18 41 42.2–2.4 18.60N–.10 66.38W–.04 113–14 86 0-1
NEIC VII 28 18 41 42.2–.41 18.60N–.08 66.38W–.05 113–3 3.5,3.2L **¶620857618**
RSPR VII 28 18 41 43.1 18.59N 66.39W 109–0 3.5,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.2km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 25 06 02 04.8–1.9 18.65N–.08 66.45W–.03 81–11 87 0-1
NEIC VII 25 06 02 05.0–.32 18.66N–.07 66.45W–.04 79–5 3.5,2.6L **¶620845828**
RSPR VII 25 06 02 05.7 18.66N 66.45W 77–0 3.5,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=4.7km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VIII 23 03 31 45.0–2.8 19.3N–.10 65.23W–.08 12–10 53 1-2
RSPR VIII 23 03 31 48.7 19.30N 65.15W 64–9 3.9 **¶620999722**
NEIC VIII 23 03 31 49.4–1.9 19.17N–.05 65.12W–.07 35–2 3.9,2.9L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 07 45 42.6–1.8 18.47N–.08 66.26W–.04 98–10 86 0-4
RSPR VIII 22 07 45 42.9 18.46N 66.26W 99–0 3.5 **¶620999441**
NEIC VIII 22 07 45 42.6–.45 18.48N–.09 66.26W–.03 98–4 3.5,2.6L
OSPL VIII 22 07 45 42.1–.42 18.55N 66.16W 102–7 3.4L,2.6L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=4.1km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=6.4km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VIII 01 18 15 38.1–1.1 17.91N–.04 66.84W–.02 18–4 103 0-2
CATAC VIII 01 18 15 37.6–.66 18N–6.0 67W–2.0 2–3 3.2,3.2 **¶620925734**
NEIC VIII 01 18 15 38.4–.69 17.89N–.04 66.83W–.01 10–1 3.0L,2.9
OSPL VIII 01 18 15 38.6–.55 17.88N 66.85W 16–5 3.5L,2.9
RSPR VIII 01 18 15 38.9 17.94N 66.84W 10–0 2.9,2.9
ISC Event type ke.

CATAC Error ellipse: s-maj=12.4km s-min=3.9km az=177.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=2.4km az=359.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=3.5km s-min=1.4km az=-1.0. Presumed earthquake.
RSPR Event type ke.

ISC	**VIII**	**15 03 39 49.0–.90**	**17.79N–.04**	**66.88W–.02**	**18–4**	**4.0b**	**165**	**0-87**
IDC	VIII	15 03 39 48.7–.94	18.22N	66.84W	0	4.0b,4.0		**¶620986839**
NEIC	VIII	15 03 39 48.4–1.9	17.73N–.03	66.880W–.01	10–2	4.1L,4.1L		
CATAC	VIII	15 03 39 49.5–.51	18N–4.0	67W–2.0	10–4	4.2,4.2		
PTWC	VIII	15 03 39 49	17.90N	66.90W		4.2L,4.2		
RSPR	VIII	15 03 39 50.0	17.85N	66.89W	7–0	3.8,4.2		

ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=13.3km az=19.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.9km az=4.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=9.5km s-min=4.1km az=171.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSPR Event type ke.

ISC	**VIII**	**25 00 45 18.0–.91**	**17.81N–.04**	**66.89W–.02**	**18–2**		**150**	**0-8**
CATAC	VIII	25 00 45 18.9–.52	18N–5.0	67W–2.0	11–4	3.8,3.8		**¶621003197**
NEIC	VIII	25 00 45 18.6–.70	17.84N–.04	66.88W–.02	20–2	3.6L,3.6		
RSPR	VIII	25 00 45 19.8	17.86N	66.89W	11–0	3.6,3.6		
OSPL	VIII	25 00 45 20.0–.65	17.85N	66.89W	7–5	3.7L,3.6		

ISC Event type ke.
CATAC Event type se. Error ellipse: s-maj=10.9km s-min=4.4km az=170.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=2.5km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=4.2km s-min=1.5km az=-1.0. Presumed earthquake.

ISC	**IX**	**13 11 57 13.8–1.8**	**18.96N–.07**	**65.25W–.03**	**34–3**		**71**	**1-6**
TRN	IX	13 11 57 13.6	19.08N	65.25W	27	0.0		**¶621072354**
NEIC	IX	13 11 57 13.5–.56	18.99N–.04	65.21W–.03	35–2	3.8,3.3L		
RSPR	IX	13 11 57 16.0	18.92N	65.27W	31–11	3.8,3.3L		

ISC Event type ke.
TRN North of the Virgin Islands.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=3.1km az=324.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

ISC	**VIII**	**31 10 28 19.7–.85**	**17.97N–.03**	**66.83W–.01**	**18–2**		**116**	**0-4**
CATAC	VIII	31 10 28 19.2–.44	18N–3.0	67W–2.0	11–3	3.4,3.4		**¶621011479**
NEIC	VIII	31 10 28 20.5–1.4	18.00N–.02	66.819W–.01	10–1	3.5,3.2L		
RSPR	VIII	31 10 28 20.4	17.97N	66.85W	16–0	3.5,3.2L		
OSPL	VIII	31 10 28 20.5–.30	17.96N	66.83W	15–3	3.7L,3.2L		

ISC Event type ke.
CATAC Event type se. Error ellipse: s-maj=7.2km s-min=3.3km az=166.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.3km az=16.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=1.7km s-min=0.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**05 05 25 57.2–2.1**	**19.04N–.09**	**65.19W–.05**	**27–14**		**83**	**1-5**
OSPL	IX	05 05 25 55.9–.83	19.12N	64.98W	31–999	3.7L		**¶621035476**
NEIC	IX	05 05 25 57.2–.93	19.10N–.03	65.19W–.05	35–2	3.7,3.2L		
RSPR	IX	05 05 25 57.6	19.08N	65.13W	12–5	3.7,3.2L		

ISC Event type ke.
OSPL Event type se. Error ellipse: s-maj=25.4km s-min=11.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.1km az=300.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

ISC	**VIII**	**31 08 27 45.8–.91**	**17.96N–.03**	**66.83W–.01**	**18–2**		**105**	**0-3**
CATAC	VIII	31 08 27 45.3–.67	18N–7.0	67W–4.0	13–7	3.4,3.4		**¶621011428**
NEIC	VIII	31 08 27 46.9–2.0	17.98N–.02	66.846W–.01	10–1	3.5,3.2L		
RSPR	VIII	31 08 27 46.5	17.97N	66.84W	16–0	3.5,3.2L		
OSPL	VIII	31 08 27 46.9–.92	17.99N	66.84W	12–5	3.4L,3.2L		

ISC Event type ke.
CATAC Event type se. Error ellipse: s-maj=14.7km s-min=7.2km az=169.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.4km az=346.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=4.4km s-min=1.8km az=-1.0. Presumed earthquake.

ISC	**IX**	**19 07 20 30.8–1.4**	**19.26N–.06**	**66.08W–.03**	**21–5**		**112**	**1-9**
NEIC	IX	19 07 20 31.6–1.0	19.32N–.07	66.05W–.03	35–2	3.5L,3.5		**¶621083067**
TRN	IX	19 07 20 33.6	19.20N	66.01W	15	0.0,3.5		
OSPL	IX	19 07 20 33.6–.63	19.25N	66.09W	39–30	3.7L,3.5		
RSPR	IX	19 07 20 34.3	19.22N	66.07W	24–19	3.5,3.5		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=3.1km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN North of Puerto Rico.
OSPL Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=-1.0. Presumed earthquake.
RSPR Event type ke.

ISC	**IX**	**18 05 39 36.5–1.8**	**19.65N–.07**	**66.19W–.04**	**10–10**		**95**	**1-5**
NEIC	IX	18 05 39 37.9–.80	19.63N–.04	66.25W–.03	10–2	3.7,2.7L		**¶621082848**
RSPR	IX	18 05 39 41.1	19.68N	66.20W	24–25	3.7,2.7L		
OSPL	IX	18 05 39 42.2–1.5	19.63N	66.29W	31–62	3.4L,2.7L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=359.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=14.1km s-min=22.4km az=-1.0. Presumed earthquake.

ISC	**IX**	**18 02 30 58.0–1.5**	**18.71N–.07**	**66.92W–.03**	**30–8**		**49**	**0-2**
RSPR	IX	18 02 30 59.7	18.68N	66.92W	12–0	3.4		**¶625472977**
OSPL	IX	18 02 30 59.5–.39	18.69N	66.91W	22–4	3.5L		

ISC Event type ke.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0. Presumed earthquake.

ISC	**IX**	**15 01 36 52.8–.97**	**17.92N–.04**	**66.97W–.02**	**17–4**		**121**	**0-4**
NEIC	IX	15 01 36 51.2–2.2	17.806N–.01	66.96W–.01	10–1	3.5,3.4L		**¶621073515**
CATAC	IX	15 01 36 53.0–.45	18N–3.0	67W–2.0	6–3	3.5,3.5		
RSPR	IX	15 01 36 53.4	17.95N	66.97W	10–0	3.5,3.5		
OSPL	IX	15 01 36 53.4–.39	17.93N	66.98W	12–2	3.6L,3.5		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.1km az=332.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Error ellipse: s-maj=7.3km s-min=3.6km az=165.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=2.9km s-min=1.3km az=-1.0. Presumed earthquake.

ISC	**IX**	**20 21 58 23.8–.88**	**17.93N–.03**	**66.84W–.01**	**19–1**		**131**	**0-6**
NEIC	IX	20 21 58 24.1–.65	17.93N–.02	66.84W–.03	19–3	3.9L,3.8		**¶621086651**
TRN	IX	20 21 58 25.1	17.84N	66.89W	27	0.0,3.8		
RSPR	IX	20 21 58 25.3	17.97N	66.85W	12–0	3.8,3.8		
NEIC	IX	20 21 58 25	17.97N	66.85W	14	3.5,3.8		
OSPL	IX	20 21 58 26.6–2.7	17.98N	66.82W	0–21	3.2L,3.8		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=0.8km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN South of Puerto Rico.
RSPR Event type ke.
NEIC Event type se. Moment Tensor Solution. $M_0$2.24000×10^{14}
OSPL Event type se. Error ellipse: s-maj=13.3km s-min=5.1km az=-1.0. Presumed earthquake.

ISC	**IX**	**22 21 12 13.7–2.0**	**19.21N–.08**	**65.24W–.05**	**14–12**		**70**	**1-4**
NEIC	IX	22 21 12 16.5–1.9	19.20N–.07	65.22W–.02	35–2	3.6,2.8L		**¶621106357**
RSPR	IX	22 21 12 16.4	19.25N	65.11W	30–29	3.6,2.8L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=3.2km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

ISC	**IX**	**23 08 42 33.4–3.1**	**19.1N–.10**	**65.2W–.10**	**29–15**		**52**	**1-3**
NEIC	IX	23 08 42 34.8–.52	19.01N–.04	65.28W–.05	35–2	3.7,2.6L		**¶621106394**
RSPR	IX	23 08 42 34.7	18.96N	65.24W	75–5	3.7,2.6L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=3.1km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

ISC	**IX**	**23 06 38 29.8–2.1**	**19.02N–.09**	**65.30W–.06**	**27–15**		**70**	**1-5**
RSPR	IX	23 06 38 29.4	19.08N	65.22W	56–6	3.7		**¶621106387**
NEIC	IX	23 06 38 30.6–.54	18.98N–.09	65.32W–.01	35–2	3.7,2.8L		

ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**23 00 29 49.1–1.8**	**19.18N–.07**	**65.28W–.04**	**24–14**		**123**	**1-10**
TRN	IX	23 00 29 46.8	19.38N	65.23W	8	0.0		**¶621106371**
NEIC	IX	23 00 29 49.6–.96	19.14N–.02	65.18W–.04	28–11	3.7L,3.6L		
RSPR	IX	23 00 29 50.4	19.22N	65.15W	28–21	3.7L,3.6L		

ISC Event type ke.
TRN North of the V.I.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=1.8km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

ISC	**IX**	**23 00 31 31.3–2.2**	**19.23N–.09**	**65.20W–.06**	**25–15**		**67**	**1-4**
NEIC	IX	23 00 31 32.5–.73	19.25N–.06	65.19W–.05	35–2	3.5,2.7L		**¶621106372**
RSPR	IX	23 00 31 35.9	19.09N	65.22W	46–10	3.5,2.7L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=4.2km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

ISC	**X**	**08 20 22 25.3–1.4**	**17.87N–.05**	**65.19W–.04**	**15–9**		**81**	**0-5**
NEIC	X	08 20 22 30.6–.85	17.99N–.06	65.38W–.06	18–5	3.6,3.1L		**¶621142340**
RSPR	X	08 20 22 31.6	18.02N	65.38W	13–0	3.5,3.1L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.2km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

ISC	**IX**	**26 07 53 03.2–3.3**	**19.6N–.10**	**65.44W–.08**	**5–25**		**93**	**1-6**
NEIC	IX	26 07 53 04.6–.59	19.54N–.06	65.42W–.08	10–2	3.9,2.7L		**¶621110208**
RSPR	IX	26 07 53 07.5	19.59N	65.39W	54–9	3.9,2.7L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.4km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

ISC	**X**	**08 04 46 15.1–3.7**	**19.48N–.09**	**66.33W–.05**	**14–26**		**66**	**1-5**
NEIC	X	08 04 46 13.9–1.0	19.51N–.02	66.38W–.05	10–2	3.8,2.7L		**¶621134159**
RSPR	X	08 04 46 17.1	19.53N	66.32W	12–2	3.8,2.7L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=3.6km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

ISC	**X**	**08 18 28 21.4–.97**	**17.92N–.03**	**65.35W–.02**	**9–6**	**4.6b,3.6s**	**340**	**0-161**
IDC	X	08 18 28 20.0–.53	17.87N	65.37W	0	4.3b,4.3		**¶621140977**
TRN	X	08 18 28 21.9	17.96N	65.48W	62	4.5,4.3		
CATAC	X	08 18 28 22.0–.49	18N–8.0	65W–3.0	1–3	5.0,5.0		
NEIC	X	08 18 28 22.3–1.2	17.93N–.05	65.37W–.03	13–3	4.8L,4.7L		
NEIC	X	08 18 28 22.3	17.93N	65.37W	13	4.8L,4.7L		
RSPR	X	08 18 28 24.0	18.01N	65.39W	11–0	4.1,4.7L		
GFZ	X	08 18 28 23.5–.19	18N–4.0	65W–3.0	10	5.8b,5.4		

ISC Event type ke.
TRN Near East of Puerto Rico.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.00 $M_{\theta\theta}$1.11 $M_{\phi\phi}$0.89 $M_{r\theta}$-1.21 $M_{\theta\phi}$1.35 $M_{\phi r}$-0.80 NP1:ϕ_s53.17000°,δ61.96000°,λ-83.78000°. NP2:ϕ_s220.13000°,δ28.67000°,λ-101.49000°. Principal axes: T 2.7862,Plg17.0000°,Azm139.0000°; N -0.3361,Plg5.0000°,Azm230.0000°; P -2.4501,Plg72.0000°,Azm338.0000° $M_0$2.63000×10^{15}
NEIC Event type se.
RSPR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**IX**	**23 19 18 28.4–3.0**	**19.6N–.10**	**65.40W–.08**	**5–12**		**45**	**1-2**
NEIC	IX	23 19 18 32.2–1.0	19.51N–.04	65.43W–.05	10–2	3.6,2.5L		**¶621108678**
RSPR	IX	23 19 18 33.2	19.67N	65.32W	41–27	3.6,2.5L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=3.5km az=314.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

ISC	**IX**	**29 16 19 00.7–2.1**	**19.27N–.08**	**65.18W–.06**	**12–10**		**77**	**1-2**
NEIC	IX	29 16 19 03.3–1.2	19.16N–.03	65.13W–.04	22–12	3.8,3.0L		**¶621112999**
RSPR	IX	29 16 19 05.2	19.28N	65.10W	28–22	3.8,3.0L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=1.5km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

ISC	**X**	**30 12 35 09.6–1.0**	**17.87N–.04**	**66.97W–.02**	**18–4**		**121**	**0-2**
NEIC	X	30 12 35 08.9–1.1	17.806N–.01	66.97W–.01	10–2	3.5,3.0L		**¶621244420**
CATAC	X	30 12 35 10.1–.48	18N–4.0	67W–2.0	5–3	3.0,3.0		
RSPR	X	30 12 35 10.4	17.89N	66.97W	10–0	3.5,3.0		
OSPL	X	30 12 35 10.5–.38	17.87N	66.96W	12–3	3.4L,3.0		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.2km az=341.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=8.9km s-min=3.7km az=171.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=3.7km s-min=2.4km az=-1.0. Presumed earthquake.

ISC	**X**	**25 04 40 09.4–.80**	**17.96N–.03**	**66.92W–.02**	**16–4**		**129**	**0-2**
CATAC	X	25 04 40 09.3–.48	18N–4.0	67W–2.0	7–3	3.0,3.0		**¶621238481**
NEIC	X	25 04 40 09.3–.71	17.97N–.02	66.93W–.02	17–1	3.5,3.0L		
RSPR	X	25 04 40 10.1	17.97N	66.93W	10–0	3.5,3.0L		

OSPL X 25 04 40 10.1–.58 17.94N 66.92W 12–10 3.2L,3.0L
ISC Event type ke.
CATAC Error ellipse: s-maj=9.4km s-min=3.7km az=174.2. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.6km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=4.5km s-min=2.4km az=-1.0. Presumed earthquake.
RSPR X 09 09 38 56.0 17.90N 66.80W 7–0 2.7
¶625473105
RSPR Event type ke.
ISC X 18 02 48 38.6–1.6 19.08N–.06 66.55W–.03 13–9 107 1-3
NEIC X 18 02 48 41.5–1.2 19.05N–.05 66.56W–.02 35–2 3.6,2.7L **¶621206657**
RSPR X 18 02 48 42.3 19.12N 66.54W 23–14 3.5,2.7L
OSPL X 18 02 48 43.2–.69 18.94N 66.63W 6–5 3.2L,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=3.1km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=-1.0. Presumed earthquake.
RSPR XI 05 23 15 21.7 17.98N 66.96W 10–0 3.1
NEIC XI 05 23 15 19.9–2.3 17.85N–.02 66.945W–.01 10–1 3.1,2.7L **¶621370589**
OSPL XI 05 23 15 21.2–.48 17.91N 66.98W 17–4 2.7L,2.7L
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=3.0km az=182.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=3.2km s-min=1.9km az=-1.0. Presumed earthquake.
RSPR XI 01 22 08 41.0 17.92N 66.88W 10–0 2.5
¶635821775
RSPR Event type ke.
ISC XI 03 13 02 46.5–2.1 19.34N–.09 65.10W–.04 12–10 59 1-2
NEIC XI 03 13 02 51.2–.90 19.26N–.04 65.12W–.04 35–2 3.7,2.8L **¶621261730**
RSPR XI 03 13 02 51.5 19.30N 65.08W 63–8 3.7,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=3.1km az=315.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 01 19 53 54.0–3.4 19.9N–.20 65.2W–.10 35 52 2-3
NEIC XI 01 19 53 52.3–.60 19.88N–.04 65.30W–.07 10–2 3.7,2.6L **¶621252396**
RSPR XI 01 19 53 54.2 20.00N 65.26W 35–20 3.7,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=4.2km az=296.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC X 30 08 36 13.8–2.0 18.84N–.08 65.05W–.06 17–12 75 1-2
NEIC X 30 08 36 16.2–.94 18.82N–.07 65.05W–.05 35–2 3.5,2.6L **¶621244408**
RSPR X 30 08 36 17.6 18.81N 65.04W 23–20 3.5,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.1km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 16 03 41 09.5–3.9 19.6N–.20 65.54W–.10 4–13 52 1-2
NEIC XI 16 03 41 12.2–1.3 19.52N–.07 65.52W–.07 10–2 3.5,2.4L **¶621409301**
RSPR XI 16 03 41 14.7 19.59N 65.45W 40–19 3.5,2.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.3km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 17 15 56 04.0–.91 18.00N–.04 66.85W–.02 24–4 109 0-4
NEIC XI 17 15 56 04.5–2.4 17.89N–.03 66.81W–.01 10–1 3.5L,3.4 **¶621414071**
RSPR XI 17 15 56 05.6 17.96N 66.85W 15–0 3.4,3.4
OSPL XI 17 15 56 05.6–.33 17.93N 66.84W 15–2 3.2L,3.4
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.8km az=343.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=1.8km s-min=0.7km az=-1.0. Presumed earthquake.
NEIC XI 17 20 04 11.6–.93 19.88N–.08 65.1W–.10 10–2 3.8,2.7L
RSPR XI 17 20 04 13.5 19.99N 65.01W 30–22 3.8,2.7L **¶621414511**
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=12.7km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 18 21 38 07.6–2.7 19.09N–.09 65.38W–.07 3–11 84 1-2
NEIC XI 18 21 38 10.0–1.2 19.0N–.10 65.40W–.08 18–19 3.6,3.2L **¶621416139**
RSPR XI 18 21 38 11.4 19.11N 65.27W 23–26 3.6,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=5.1km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 18 03 16 01.1–3.7 18.9N–.10 65.1W–.10 12–27 68 1-2
NEIC XI 18 03 16 02.4–.69 18.93N–.05 64.96W–.10 35–2 3.9,3.0L **¶621414628**
RSPR XI 18 03 16 03.2 19.02N 64.99W 25–19 3.9,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.9km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 24 01 26 07.9–1.5 18.97N–.06 66.23W–.03 11–9 113 1-3
NEIC XI 24 01 26 12.1–1.1 18.88N–.01 66.23W–.03 35–2 3.5,2.9L **¶621452737**
RSPR XI 24 01 26 12.2 18.98N 66.20W 21–21 3.5,2.9L
OSPL XI 24 01 26 12.3–.28 18.92N 66.31W 14–1 3.3L,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=288.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=1.8km s-min=1.4km az=-1.0. Presumed earthquake.
RSPR XI 23 12 15 06.2 17.97N 66.77W 13–0 2.5
¶625473398
RSPR Event type ke.
ISC XI 20 19 22 09.7–4.2 19.2N–.20 65.1W–.10 63–42 56 1-2
NEIC XI 20 19 22 09.8–.83 19.14N–.05 65.18W–.09 22–14 3.6,2.5L **¶621427739**
RSPR XI 20 19 22 11.0 19.20N 65.15W 55–7 3.6,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.2km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XII 06 12 39 09.1–2.6 19.9N–.10 65.99W–.07 7–13 62 2-5
NEIC XII 06 12 39 13.0–1.2 19.93N–.08 65.95W–.08 35–2 3.8,2.7L **¶621614093**
RSPR XII 06 12 39 13.9 19.91N 65.98W 56–19 3.8,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.0km az=40.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XII 05 09 13 54.8–.98 17.98N–.03 66.80W–.01 18–2 85 0-2
NEIC XII 05 09 13 54.6–.88 17.95N–.07 66.80W–.02 18–6 3.2,3.0L **¶621612599**
RSPR XII 05 09 13 55.5 17.99N 66.81W 16–0 3.2,3.0L
OSPL XII 05 09 13 55.2–.51 17.95N 66.81W 18–4 3.8L,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=2.4km az=182.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=3.0km s-min=1.1km az=-1.0. Presumed earthquake.
ISC XI 26 16 03 16.4–2.9 19.3N–.10 65.21W–.09 12–10 69 1-2
NEIC XI 26 16 03 18.7–1.1 19.32N–.07 65.18W–.07 35–2 3.7,2.7L **¶621476308**
RSPR XI 26 16 03 20.2 19.29N 65.15W 32–23 3.7,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.8km az=41.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 28 02 57 17.6–.85 17.95N–.03 67.00W–.02 13–4 125 0-4
CATAC XI 28 02 57 17.8–.40 18N–3.0 67W–1.0 4–1 3.7,3.7 **¶621480569**
NEIC XI 28 02 57 17.5–1.4 17.92N–.03 67.011W–.01 10–1 3.6L,3.5
RSPR XI 28 02 57 18.1 17.97N 67.00W 10–0 3.5,3.5
OSPL XI 28 02 57 18.2–.93 17.95N 66.99W 10–4 3.4L,3.5
ISC Event type ke.
CATAC Event type se. Error ellipse: s-maj=6.3km s-min=2.7km az=173.9. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.5km az=10.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=4.7km s-min=2.3km az=-1.0. Presumed earthquake.
ISC XII 11 21 08 38.5–1.7 18.92N–.08 66.30W–.03 52–15 100 0-2
NEIC XII 11 21 08 38.6–.24 18.91N–.06 66.30W–.04 50–11 3.4,3.0L **¶621627532**
RSPR XII 11 21 08 39.7 18.92N 66.30W 47–2 3.4,3.0L
OSPL XII 11 21 08 39.0–.64 18.95N 66.29W 25–25 3.7L,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.8km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=7.3km s-min=3.9km az=-1.0. Presumed earthquake.
ISC XII 10 01 25 32.9–.66 18.00N–.03 66.83W–.01 23–3 3.5b 177 0-70
IDC XII 10 01 25 30.3–2.0 17.91N 66.90W 0 3.6b,3.6 **¶621626217**
CATAC XII 10 01 25 32.8–.43 18N–3.0 67W–2.0 10–3 4.1,4.1
NEIC XII 10 01 25 33.1 17.96N 66.83W 22 4.1,4.1
NEIC XII 10 01 25 33.3–.66 17.98N–.07 66.83W–.02 20–1 4.2L,4.0L
RSPR XII 10 01 25 34.0 17.99N 66.83W 17–0 3.5,4.0L
OSPL XII 10 01 25 34.4–.77 17.99N 66.82W 13–5 4.3L,4.0L
PTWC XII 10 01 25 34 18.00N 66.80W 10 4.1L,4.0L
TRN XII 10 01 25 34.2 17.79N 66.76W 15 0.0,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=83.2km s-min=31.2km az=75.0.
CATAC Event type se. Error ellipse: s-maj=6.5km s-min=3.0km az=167.8. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=2.0km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-3.32 $M_{\theta\theta}$1.79 $M_{\phi\phi}$1.54 $M_{r\theta}$1.41 $M_{\theta\phi}$1.76 $M_{\phi r}$0.27 NP1:ϕ_s35.34000°,δ36.30000°,λ-109.36000°. NP2:ϕ_s238.90000°,δ56.05000°,λ-76.31000°. Principal axes: T 3.6462,Plg10.0000°,Azm319.0000°; N 0.0461,Plg11.0000°,Azm51.0000°; P -3.6923,Plg75.0000°,Azm188.0000° $M_0$3.67000×10^{14}
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=4.0km s-min=1.6km az=-1.0. Presumed earthquake.
TRN Near South of Puerto Rico.
ISC XII 17 05 58 18.8–1.8 19.12N–.07 66.74W–.03 8–11 107 1-2
NEIC XII 17 05 58 22.7–.91 19.04N–.05 66.79W–.02 35–2 3.6,2.5L **¶621631537**
RSPR XII 17 05 58 23.8 19.06N 66.79W 31–5 3.6,2.5L
OSPL XII 17 05 58 23.7–.83 18.98N 66.78W 10–14 3.0L,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=3.1km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=-1.0. Presumed earthquake.
ISC XII 18 04 41 18.6–1.6 18.39N–.09 66.20W–.04 137–9 112 0-6
NEIC XII 18 04 41 20.5–.74 18.32N–.08 66.21W–.04 127–4 3.7,3.4L **¶621633369**
RSPR XII 18 04 41 21.2 18.36N 66.20W 122–0 3.6,3.4L
OSPL XII 18 04 41 21.2–1.6 18.34N 66.12W 126–10 3.6L,3.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=4.8km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=16.1km s-min=9.7km az=-1.0. Presumed earthquake.

(91) Virgin Islands.

ISC VII 04 10 18 03.1–2.2 19.2N–.10 64.32W–.06 6–13 45 1-3
NEIC VII 04 10 18 08.6–.60 19.1N–.10 64.33W–.06 35–2 3.7,2.9L **¶620733573**
RSPR VII 04 10 18 09.6 18.97N 64.27W 32–19 3.7,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=9.0km az=4.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 07 08 04 55.6–1.8 19.46N–.06 64.68W–.03 29–14 3.6b 151 1-69
IDC VII 07 08 04 51.1–1.8 19.49N 64.58W 0 3.7,3.5b **¶620928091**
PTWC VII 07 08 04 51 19.70N 64.60W 10 3.7L,3.5b
NEIC VII 07 08 04 56.6–1.7 19.52N–.06 64.97W–.06 10–2 3.9,3.6L
RSPR VII 07 08 05 00.4 19.37N 64.86W 25–25 3.9,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=16.7km az=104.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.6km az=42.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
NEIC VII 25 03 11 22.5–1.2 19.27N–.03 64.66W–.07 35–2 3.5,2.6L
RSPR VII 25 03 11 25.1 19.23N 64.77W 36–11 3.5,2.6L **¶620845820**
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=4.6km az=255.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VIII 02 15 27 12.2–1.4 18.6N–.10 64.87W–.03 118–10 110 0-6
TRN VIII 02 15 27 10.7 18.79N 64.83W 101 0.0 **¶620929573**
NEIC VIII 02 15 27 13.1–.78 18.5N–.20 64.87W–.02 118–9 3.8,3.4L
RSPR VIII 02 15 27 15.4 18.51N 65.01W 112–0 3.8,3.4L
ISC Event type ke.
TRN North of the Virgin Islands.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=2.2km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
NEIC VIII 01 05 49 09.8–.56 18.7N–.10 64.43W–.08 24–9 3.6,2.9L
RSPR VIII 01 05 49 11.2 18.78N 64.38W 25–13 3.6,2.9L **¶620925416**
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=6.1km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
RSPR VIII 15 12 41 41.1 19.38N 64.77W 35–27 3.6
NEIC VIII 15 12 41 41.2–1.5 19.34N–.07 64.86W–.08 35–2 3.6,2.6L **¶620986906**
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 24 15 47 08.7–3.6 19.1N–.10 65.0W–.20 24–18 61 1-2
NEIC VIII 24 15 47 08.6–1.0 19.10N–.07 64.90W–.04 35–2 3.6,2.9L **¶621002171**
RSPR VIII 24 15 47 10.3 19.07N 64.90W 28–16 3.6,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=3.1km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
RSPR VIII 19 20 44 15.2 18.56N 64.86W 16–2 3.5
NEIC VIII 19 20 44 14.0–1.3 18.5N–.10 64.84W–.02 35–2 3.5,2.5L **¶620997430**
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 03 09 11.5–2.2 18.3N–.20 64.19W–.08 35 46 1-3
RSPR VIII 22 03 09 08.7 18.42N 64.00W 63–14 3.8 **¶620999432**
NEIC VIII 22 03 09 09.7–1.3 18.18N–.06 64.28W–.02 10–1 3.8,2.9L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 13 07 09 02.2–3.2 19.3N–.10 64.30W–.03 16–23 103 1-7
TRN IX 13 07 09 02.6 19.51N 64.24W 62 0.0 **¶621070950**
RSPR IX 13 07 09 03.9 19.21N 64.18W 64–12 4.3
NEIC IX 13 07 09 07.0–.92 19.16N–.09 64.48W–.05 35–2 4.3,3.6L
ISC Event type ke.
TRN North-east of the British V.I.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 09 48 46.2–2.2 18.8N–.10 64.60W–.05 17–11 60 1-2
NEIC IX 10 09 48 48.7–1.1 18.75N–.05 64.59W–.05 35–2 3.5,2.7L **¶622452030**
RSPR IX 10 09 48 49.4 18.79N 64.58W 40–10 3.5,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.6km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
NEIC IX 13 07 12 53.9–1.1 19.2N–.10 64.3W–.10 35–2 3.8,2.8L
RSPR IX 13 07 12 53.2 19.24N 64.23W 48–16 3.8,2.8L **¶621070951**
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=14.4km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IX 13 23 17 09.5–3.0 19.3N–.10 64.30W–.04 32–24 103 1-9
TRN IX 13 23 17 06.3 19.53N 64.26W 40 0.0 **¶621072602**
RSPR IX 13 23 17 08.7 19.27N 64.15W 36–16 3.9
NEIC IX 13 23 17 09.7–1.4 19.2N–.10 64.27W–.06 35–2 3.9,3.6L
CATAC IX 13 23 17 09.3–.85 19N–6.0 64W–3.0 6–6 4.7b,4.1
ISC Event type ke.
TRN North of the British VI.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 13 21 49 29.3–2.4 19.4N–.10 64.30W–.04 10–11 57 1-13
RSPR IX 13 21 49 37.0 19.17N 64.05W 36–28 3.8 **¶621072592**
NEIC IX 13 21 49 41.9–1.2 19.06N–.03 64.52W–.05 35–2 3.8,3.0L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 19 21 37 47.6–2.9 18.8N–.10 64.36W–.04 25–21 66 1-4
NEIC IX 19 21 37 49.1–.45 18.8N–.10 64.36W–.03 35–2 3.7,3.1L **¶621083207**
RSPR IX 19 21 37 50.8 18.87N 64.43W 23–20 3.7,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=4.9km az=6.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IX 21 04 07 03.2–2.0 18.9N–.10 64.62W–.07 21–9 79 1-3
RSPR IX 21 04 07 04.5 18.98N 64.57W 45–8 3.8 **¶621093590**
NEIC IX 21 04 07 05.0–1.2 18.92N–.09 64.63W–.04 35–2 3.8,2.7L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 20 06 10 55.2–2.0 18.7N–.20 64.28W–.06 64–30 72 1-4
NEIC IX 20 06 10 55.2–1.5 18.7N–.10 64.28W–.04 35–2 3.7,2.8L **¶621086512**
RSPR IX 20 06 10 59.5 18.68N 64.46W 57–7 3.7,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=5.2km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IX 23 01 26 28.1–3.3 19.6N–.10 64.44W–.06 5–24 46 2-6
NEIC IX 23 01 26 30.6–1.3 19.5N–.10 64.45W–.05 10–2 3.7,2.5L **¶621106375**
RSPR IX 23 01 26 34.5 19.64N 64.52W 47–26 3.7,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=7.9km az=12.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IX 22 18 50 11.8–2.0 19.65N–.08 64.43W–.03 3–12 88 2-16
NEIC IX 22 18 50 16.0–1.5 19.48N–.04 64.44W–.04 10–2 4.1,3.2L **¶621105966**
RSPR IX 22 18 50 17.6 19.56N 64.39W 98–9 4.1,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.9km az=321.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
NEIC X 05 04 00 40.2–.57 18.8N–.10 64.7W–.10 35–2 3.6,2.8L
RSPR X 05 04 00 41.4 18.83N 64.76W 25–13 3.6,2.8L **¶621120442**
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=13.1km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC X 01 15 40 23.3–3.4 18.3N–.20 64.24W–.06 17–26 36 1-3
NEIC X 01 15 40 25.1–.98 18.3N–.20 64.20W–.01 35–2 3.6,2.6L **¶621116086**
RSPR X 01 15 40 25.0 18.23N 64.15W 45–15 3.6,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=30.8km s-min=3.1km az=359.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC X 15 01 51 34.1–3.1 19.33N–.06 64.32W–.03 15–23 133 1-24
TRN X 15 01 51 34.9 19.57N 64.26W 73 0.0 **¶621202362**
NEIC X 15 01 51 37.3–1.9 19.14N–.05 64.39W–.04 25–10 4.0,3.8b
RSPR X 15 01 51 37.9 19.37N 64.35W 33–15 4.0,3.8b
ISC Event type ke.
TRN North of the Virgin Islands.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.0km az=158.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC X 17 05 59 21.5–2.0 19.03N–.09 64.94W–.04 20–4 64 1-2
RSPR X 17 05 59 24.5 18.97N 64.88W 69–13 3.5 **¶621204815**
NEIC X 17 05 59 25.7–.87 18.97N–.08 65.01W–.05 35–2 3.5,2.6L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 08 50 31.1–2.9 19.2N–.10 64.53W–.07 6–13 36 1-3
RSPR X 16 08 50 31.8 19.18N 64.25W 25–13 3.7 **¶621204653**
NEIC X 16 08 50 34.2–1.3 19.16N–.09 64.54W–.05 35–2 3.7,2.5L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 31 04 21 41.3–3.0 19.2N–.10 64.59W–.04 30–25 73 1-3
NEIC X 31 04 21 41.7–.66 19.28N–.09 64.59W–.06 35–2 3.8,2.9L **¶621244607**
RSPR X 31 04 21 41.9 19.30N 64.56W 27–16 3.8,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=3.1km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC X 26 09 16 37.3–2.4 19.4N–.10 64.84W–.06 16–13 50 1-5
NEIC X 26 09 16 37.3–1.1 19.41N–.05 64.83W–.06 10–2 3.6,2.7L **¶621239846**
RSPR X 26 09 16 42.6 19.39N 64.88W 35–15 3.6,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=4.6km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC X 28 21 31 19.7–3.1 18.8N–.20 64.36W–.04 27–22 50 1-3
NEIC X 28 21 31 19.4–.96 18.8N–.10 64.38W–.02 22–15 3.6,2.7L **¶621243319**
RSPR X 28 21 31 21.4 18.79N 64.37W 12–1 3.6,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=2.2km az=174.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC X 31 05 16 37.0–3.3 19.4N–.10 64.5W–.20 27 64 1-9
NEIC X 31 05 16 39.4–.70 19.32N–.10 64.52W–.07 35–2 3.8,3.1L **¶621244609**
RSPR X 31 05 16 40.0 19.36N 64.52W 25–14 3.8,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=3.1km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC X 31 07 14 39.0–3.4 19.30N–.08 64.68W–.04 18–24 147 1-17
OSPL X 31 07 14 38.9–1.1 19.25N 64.35W 41–51 4.0L **¶621244616**
PTWC X 31 07 14 39 19.30N 64.70W 3.8L
TRN X 31 07 14 40.4 19.27N 64.63W 10 0.0
NEIC X 31 07 14 42.9–.87 19.20N–.10 64.72W–.06 35–2 4.0,3.9b
RSPR X 31 07 14 42.5 19.36N 64.72W 18–3 4.0,3.9b
ISC Event type ke.
OSPL Event type se. Error ellipse: s-maj=18.9km s-min=20.7km az=-1.0. Presumed earthquake.
TRN North of the Virgin Islands.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.8km az=14.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 14 16 37 51.5–2.3 19.1N–.10 64.54W–.04 8–12 75 1-3
NEIC XI 14 16 37 54.2–1.2 19.0N–.10 64.57W–.03 10–2 4.0,3.2L **¶621403077**
RSPR XI 14 16 37 55.4 19.14N 64.53W 9–4 4.0,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=5.3km az=1.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 14 02 55 30.2–2.5 18.8N–.10 64.38W–.07 20–7 52 1-3
NEIC XI 14 02 55 32.5–.82 18.8N–.10 64.41W–.06 35–2 3.7,2.8L **¶621402877**
RSPR XI 14 02 55 33.0 18.86N 64.40W 29–15 3.7,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=8.6km az=8.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 18 20 00 22.9–3.5 19.5N–.10 64.59W–.08 12–17 40 1-6
NEIC XI 18 20 00 23.2–.98 19.51N–.05 64.60W–.05 10–2 3.6,2.7L **¶621416133**
RSPR XI 18 20 00 25.0 19.71N 64.62W 48–15 3.5,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=4.2km az=317.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 22 22 36 34.9–2.2 19.2N–.10 64.63W–.07 21–6 42 1-3
NEIC XI 22 22 36 37.3–1.0 19.22N–.09 64.7W–.10 35–2 3.7,2.5L **¶621448742**
RSPR XI 22 22 36 39.1 19.01N 64.66W 75–10 3.7,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=13.9km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 23 00 17 18.4–2.5 19.23N–.09 64.92W–.04 15–15 70 1-2
NEIC XI 23 00 17 20.4–.89 19.15N–.08 64.97W–.04 15–13 3.6,2.6L **¶621448754**
RSPR XI 23 00 17 22.2 19.16N 64.84W 28–30 3.6,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=5.4km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XII 16 11 48 47.8–1.8 19.13N–.08 64.86W–.03 11–11 103 1-6
TRN XII 16 11 48 44.2 19.82N 64.89W 63 0.0 **¶625473543**
NEIC XII 16 11 48 51.5–.97 19.07N–.05 64.92W–.04 25–12 3.8L,3.8
RSPR XII 16 11 48 51.1 19.13N 64.78W 47–15 3.8,3.8
ISC Event type ke.
TRN North of the Virgin Islands.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=1.5km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 29 07 55 38.7–3.0 19.2N–.10 64.94W–.10 10–11 55 1-2
NEIC XI 29 07 55 38.6–.85 19.3N–.10 64.71W–.05 35–2 3.6,2.9L **¶621481107**
RSPR XI 29 07 55 40.5 19.30N 64.81W 22–27 3.6,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=8.2km az=359.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XII 07 10 07 57.6–2.1 18.99N–.08 64.84W–.07 15–10 69 1-3
NEIC XII 07 10 07 59.8–1.3 19.02N–.07 64.81W–.05 35–2 3.6,2.9L **¶621616418**
RSPR XII 07 10 08 02.8 18.91N 64.90W 8–8 3.6,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.7km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC XI 22 21 23 59.8–3.3 19.29N–.09 64.78W–.03 14–22 118 1-9
TRN XI 22 21 23 59.8 19.87N 64.45W 85 4.1 **¶621448736**
NEIC XI 22 21 24 02.0–1.4 19.24N–.05 64.86W–.04 21–12 4.0,3.7L
RSPR XI 22 21 24 02.8 19.31N 64.71W 19–5 4.0,3.7L
ISC Event type ke.
TRN North of the Virgin Islands.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.0km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
NEIC XI 23 06 53 23.4–.40 19.1N–.10 64.99W–.07 35–2 3.7,2.7L

RSPR XI 23 06 53 20.1 19.36N 64.74W 32–16 3.7,2.7L ¶621448781
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=3.1km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
RSPR XII 20 17 10 54.8 19.05N 64.57W 51–19 3.5
NEIC XII 20 17 10 54.7–1.2 19.0N–.10 64.6W–.10 35–2 3.5,2.6L ¶621634794
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 10 38 12.1–2.5 19.4N–.10 64.95W–.07 13–12 57 1-6
NEIC XII 18 10 38 15.4–.70 19.35N–.06 64.92W–.05 35–2 4.0,3.0L ¶621633486
RSPR XII 18 10 38 17.1 19.34N 64.94W 41–14 4.0,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=3.1km az=320.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
RSPR XII 20 06 38 04.6 18.82N 64.54W 27–14 3.8
NEIC XII 20 06 38 05.2–.83 18.5N–.10 64.54W–.09 35–2 3.8,2.8L ¶621633829
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 17 44 50.2–3.1 18.8N–.10 64.35W–.06 26–23 67 1-3
NEIC XII 20 17 44 52.2–1.4 18.8N–.10 64.38W–.05 35–2 3.8,3.0L ¶621634798
RSPR XII 20 17 44 52.3 18.87N 64.36W 25–26 3.8,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=6.5km az=15.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

(92) Leeward Islands.

TRN VII 04 07 01 56.3 17.21N 62.58W 139 3.5
¶625958681
TRN Nevis.
TRN VII 10 12 08 52.2 18.43N 62.90W 26 3.5
¶625958773
TRN North-east of Anguilla.
TRN VII 12 16 32 49.8 17.63N 60.75W 69 3.5
¶625958833
TRN Far East of Barbuda.
TRN VII 14 02 39 38.7 17.56N 62.20W 59 3.5
¶625958892
TRN West of Barbuda.
TRN VII 15 09 21 49.9 15.79N 60.87W 49 3.5
¶625958915
TRN North-east of Dominica.
TRN VII 17 02 36 57.6 19.06N 62.82W 15 4.2
¶625958936
TRN Far North-east of Anguilla.
ISC VII 17 05 06 50.6–2.4 19.4N–.10 63.64W–.07 10 54 1-7
RSPR VII 17 05 06 52.4 19.63N 63.53W 41–19 4.0 ¶620833047
NEIC VII 17 05 06 53.1–.65 19.24N–.06 63.72W–.03 10–2 4.0,3.1L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VII 23 15 46 18.3–.60 19.6N–.30 63.7W–.20 10–2 3.8,2.9L
RSPR VII 23 15 46 19.9 19.61N 63.69W 90–19 3.8,2.9L ¶620845349
NEIC Event type se. Error ellipse: s-maj=52.3km s-min=4.4km az=331.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
TRN VII 24 18 42 26.3 15.00N 60.40W 42 3.5
¶625959146
TRN North-east of Martinique.
ISC VII 23 16 18 13.5–2.9 19.6N–.20 63.5W–.10 31 49 2-4
NEIC VII 23 16 18 14.0–.87 19.4N–.10 63.57W–.05 10–2 3.9,3.1L ¶620845353
RSPR VII 23 16 18 15.5 19.54N 63.51W 59–13 3.9,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=4.0km az=339.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VII 28 15 14 54.5–2.6 19.7N–.20 63.77W–.08 14–16 65 2-7
NEIC VII 28 15 14 54.6–1.6 19.74N–.07 63.78W–.07 10–2 3.8,3.3L ¶620857613
RSPR VII 28 15 14 59.6 19.64N 63.89W 78–11 3.8,3.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.0km az=40.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
TRN VII 28 04 37 04.5 17.28N 60.90W 40 3.5
¶625959273
TRN VII 30 03 05 42.1 17.64N 60.05W 44 4.1
¶625959314
TRN Far East of Barbuda.
TRN VII 30 09 45 09.8 16.41N 61.96W 181 3.5
¶625959318
TRN North-west of Basse-Terre, Guadeloupe.
TRN VII 30 16 49 07.4 19.31N 61.57W 31 3.8
¶625959324
TRN Far North of Barbuda.
TRN VII 30 22 30 04.4 15.97N 60.70W 29 3.6
¶625959327
TRN East of Marie-Galante.
TRN VIII 03 04 57 39.5 17.02N 62.01W 98 3.7
¶625959438
TRN West of Antigua.
TRN VIII 02 03 52 56.7 18.95N 61.49W 91 4.1
¶625959411
TRN Far North of Barbuda.
TRN VII 30 19 40 55.7 18.36N 61.80W 2 3.5
¶625959326
TRN North of Barbuda.
TRN VIII 05 07 40 50.7 16.69N 60.71W 29 3.6
¶625959482
TRN North-east of Guadeloupe.
TRN VIII 04 04 11 47.5 15.82N 61.21W 112 3.8
¶625959453
TRN North-east of Dominica.
ISC VIII 05 04 11 21.5–2.5 19.0N–.20 63.85W–.05 26–18 54 1-4
TRN VIII 05 04 11 22.4 18.99N 63.78W 38 3.8 ¶620969527
NEIC VIII 05 04 11 22.2–.82 19.0N–.10 63.81W–.04 35–2 3.9,2.5L
RSPR VIII 05 04 11 24.5 19.05N 63.92W 41–24 3.9,2.5L
ISC Event type ke.
TRN North-west of Anegada, V.I.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=4.7km az=13.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
TRN VIII 04 09 50 10.0 16.22N 61.80W 152 3.5
¶625959465
TRN Near West coast of Guadeloupe.
TRN VIII 17 00 45 52.3 15.08N 60.28W 32 3.5
¶625959862
TRN North-east of Martinique.
ISC VIII 11 05 28 22.3–1.8 17.8N–.10 63.62W–.05 170–12 87 0-5
TRN VIII 11 05 28 23.2 17.81N 63.57W 160 3.7 ¶620980017
NEIC VIII 11 05 28 23.8–1.1 17.9N–.10 63.60W–.06 160–3 4.2,3.3L
RSPR VIII 11 05 28 28.0 18.24N 63.95W 159–3 4.2,3.3L
ISC Event type ke.
TRN North-west of Saba Island.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=7.3km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
TRN VIII 12 09 04 12.0 19.80N 62.97W 41 4.2
¶625959691
TRN Far North of Anguilla.
TRN VIII 22 07 54 14.4 16.43N 61.18W 10 3.5
¶625960005
TRN East of Guadeloupe.
TRN VIII 29 02 37 40.2 15.14N 61.08W 195 3.5
¶625960321
TRN South-east of Dominica.
TRN VIII 26 17 51 24.0 17.94N 61.25W 26 3.7
¶625960250
TRN North-east of Barbuda.
TRN VIII 28 01 20 33.9 17.63N 60.86W 53 3.5
¶625960296
TRN East of Barbuda.
TRN VIII 30 08 59 10.7 15.14N 60.42W 26 3.5
¶625960353
TRN North-east of Martinique.
TRN VIII 31 09 03 10.0 16.26N 60.56W 7 3.9
¶625960387
TRN East of Guadeloupe.
TRN IX 02 01 54 24.2 17.57N 60.39W 32 3.7
¶625960439
TRN Far East of Barbuda.
TRN IX 01 10 50 18.9 15.17N 60.95W 158 3.8
¶625960417
TRN South-east of Dominica.
TRN IX 02 02 06 50.5 15.94N 60.60W 7 3.5
¶625960440
TRN North-east of Dominica.
TRN IX 06 00 58 11.8 15.15N 61.21W 187 3.8
¶625960677
TRN Near South-east of Dominica.
TRN IX 06 22 08 57.6 16.73N 60.67W 13 3.6
¶625960694
TRN North-east of Guadeloupe.
TRN IX 10 10 19 18.0 15.95N 59.42W 108 3.8
¶625960767
TRN Far North-east of Dominica.
ISC IX 10 00 43 18.2–.44 16.85N–.02 61.16W–.04 42–4 5.0b,3.8s 526 1-170
CATAC IX 10 00 43 15.6–.75 17N–3.0 61W–5.0 3–3 5.9b,5.9b ¶621051053
PTWC IX 10 00 43 15 16.90N 61.00W 4.9,5.9b
TRN IX 10 00 43 15.5 16.84N 61.19W 16 5.4,5.9b
GFZ IX 10 00 43 18.2–.71 17N–5.0 61W–8.0 46–4 5.4b,5.4L
NEIC IX 10 00 43 18.9–1.2 16.81N–.04 61.14W–.07 41–6 5.0b,4.8
IDC IX 10 00 43 19.4–1.0 16.80N 61.16W 55–10 4.5,4.2b
NEIC IX 10 00 43 19.2 16.82N 61.15W 44 4.5,4.2b
GCMT IX 10 00 43 20.4–.40 16.83N–.03 60.85W–.02 44–1 4.8W,4.2b
ISC Event type ke.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
TRN South-east of Antigua. Felt in Antigua MMI IV, Montserrat IV, V.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.45 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-1.12 $M_{r\theta}$-0.62 $M_{\theta\phi}$0.50 $M_{\phi r}$1.26 NP1:ϕ_s333.99000°,δ67.49000°,λ89.96000°. NP2:ϕ_s154.10000°,δ22.51000°,λ90.10000°. Principal axes: T 2.0271,Plg68.0000°,Azm244.0000°; N -0.0825,Plg0.0000°,Azm334.0000°; P -1.9446,Plg22.0000°,Azm64.0000° $M_0$1.99000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109100043A. Moment Tensor Solution. s37,c45; s59,c86; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.90±.13 $M_{\theta\theta}$-0.13±.08; $M_{\phi\phi}$-1.76±.09; $M_{r\theta}$-0.70±.07; $M_{\theta\phi}$0.50±.08; $M_{\phi r}$0.87±.07; Best double couple: NP1:ϕ_s175.00000°,δ32.00000°,λ109.00000°. NP2:ϕ_s333.00000°,δ60.00000°,λ79.00000°. Principal axes: T 2.2410,Plg72.0000°,Azm216.0000°; N -0.0660,Plg10.0000°,Azm339.0000°; P -2.1670,Plg14.0000°,Azm71.0000° $M_0$2.20400×10^{16}
TRN IX 16 03 59 09.4 16.03N 62.23W 151 3.7
¶625960916
TRN West of Guadeloupe.
TRN IX 11 22 00 08.2 15.16N 61.38W 136 3.6
¶625960833
TRN Near South-west of Dominica.
TRN IX 13 23 01 39.2 16.94N 62.33W 138 3.9
¶625960878
TRN North-west of Montserrat.
TRN IX 18 16 27 04.0 17.31N 62.18W 8 4.3
¶625960985
TRN East of St. Kitts.
ISC IX 16 01 15 58.6–2.3 19.8N–.10 63.77W–.05 7–12 91 2-6
TRN IX 16 01 16 06.5 19.69N 63.50W 30 4.0 ¶621079021
RSPR IX 16 01 16 10.2 19.71N 63.75W 44–19 3.9
NEIC IX 16 01 16 14.5–1.4 19.53N–.06 64.31W–.05 10–2 3.9,2.8L
ISC Event type ke.
TRN North-west of Anguilla.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR IX 29 16 26 24.3 19.72N 63.57W 58–9 3.9
TRN IX 29 16 26 22.5 17.48N 63.94W 146 3.4 ¶625473067
RSPR Event type ke.
TRN North-west of St. Kitts.
ISC IX 25 03 12 13.3–.48 16.85N–.02 61.13W–.03 33–3 5.1b,4.0s 519 1-167
IDC IX 25 03 12 08.7–.35 16.85N 61.10W 0 4.6b,4.6 ¶621109882
TRN IX 25 03 12 12.2 16.94N 60.97W 3 5.3,4.6
CATAC IX 25 03 12 12.4–.62 17N–4.0 61W–5.0 38–8 5.6,5.4b
PTWC IX 25 03 12 12 16.90N 61.00W 5.2L,5.4b
NEIC IX 25 03 12 13.8–2.2 16.83N–.05 61.16W–.08 27–4 5.1b,4.8
NEIC IX 25 03 12 14.5 16.83N 61.17W 33 5.1b,4.8
GFZ IX 25 03 12 14.3–.68 17N–4.0 61W–7.0 43–3 5.5b,5.4L
GCMT IX 25 03 12 16.8–.30 16.81N–.02 60.84W–.02 45–1 4.9W,5.4L
JSN IX 25 03 14 15.9–1.8 19.88N 70.80W 0–128 4.9W,5.4L
ISC Event type ke.
IDC Error ellipse: s-maj=9.8km s-min=7.9km az=86.0.
TRN South-east of Antigua. Felt in St. Kitts IV, V, VI, Nevis IV, V, Antigua IV, V, VI, Barbuda IV, V, Montserrat IV, V, Guadeloupe IV, V, VI, and Dominica IV, V.
CATAC Error ellipse: s-maj=12.9km s-min=5.0km az=48.2. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.62 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-0.62 $M_{r\theta}$-0.42 $M_{\theta\phi}$0.61 $M_{\phi r}$1.69 NP1:ϕ_s120.53771°,δ16.08538°,λ45.65642°. NP2:ϕ_s346.02532°,δ78.57124°,λ101.39536°. Principal axes: T 1.8008,Plg55.0384°,Azm270.1367°; N 0.2640,Plg11.1665°,Azm163.7383°; P -2.0648,Plg32.6367°,Azm66.4756° $M_0$1.94626×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.56 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-0.54 $M_{r\theta}$-0.42 $M_{\theta\phi}$0.60 $M_{\phi r}$1.71 NP1: ϕ_s115.83536°,δ16.00333°,λ40.84089°. NP2:ϕ_s346.11139°,δ79.61320°,λ102.24219°. Principal axes: T 1.8091,Plg53.8222°,Azm270.8261°; N 0.2403,Plg12.0385°,Azm163.8711°; P -2.0494,Plg33.5193°,Azm65.7506° $M_0$1.94046×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.59 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.55 $M_{r\theta}$-0.42 $M_{\theta\phi}$0.64 $M_{\phi r}$1.62 NP1: ϕ_s115.64383°,δ17.19345°,λ41.61204°. NP2:ϕ_s345.32840°,δ78.67920°,λ103.02595°. Principal axes: T 1.7437,Plg54.5196°,Azm271.2658°; N 0.2547,Plg12.7682°,Azm162.7282°; P -1.9984,Plg32.4593°,Azm64.4406° $M_0$1.88404×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.36 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-0.38 $M_{r\theta}$-0.46 $M_{\theta\phi}$0.62 $M_{\phi r}$1.66 NP1: ϕ_s105.11282°,δ16.01851°,λ29.79592°. NP2:ϕ_s346.28541°,δ82.11867°,λ103.98993°. Principal axes: T 1.6891,Plg50.9514°,Azm272.0299°; N 0.3187,Plg13.8551°,Azm164.3288°

; P -2.0079,Plg35.6401°,Azm64.1430° $M_0$1.86901×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}0.55 $M_{\theta\theta}$0.18 $M_{\phi\phi}$-0.73 $M_{r\theta}$-0.39 $M_{\theta\phi}$0.48 $M_{\phi r}$1.56 NP1: ϕ_s137.16028°,δ13.79583°,λ61.35558°. NP2:ϕ_s346.51584°,δ77.91997°,λ96.71329°.
Principal axes: T 1.5978,Plg56.5835°,Azm265.1484°; N 0.3557,Plg6.5640°,Azm165.1047°
; P -1.9536,Plg32.5970°,Azm70.8851° $M_0$1.80223×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}0.47 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.49 $M_{r\theta}$-0.37 $M_{\theta\phi}$0.60 $M_{\phi r}$1.58 NP1: ϕ_s112.24323°,δ16.92343°,λ35.79150°. NP2:ϕ_s347.64632°,δ80.19809°,λ103.86402°.
Principal axes: T 1.6475,Plg52.8317°,Azm273.9334°; N 0.2657,Plg13.6577°,Azm165.2403°
; P -1.9132,Plg33.7869°,Azm65.8832° $M_0$1.79518×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}0.48 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-1.55 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.39 $M_{\phi r}$2.18 NP1: ϕ_s205.87715°,δ16.32161°,λ135.13625°. NP2:ϕ_s339.56292°,δ78.56570°,λ78.27452°.
Principal axes: T 1.9668,Plg54.9638°,Azm235.0672°; N 1.0713,Plg11.4896°,Azm341.9191°
; P -3.0381,Plg32.5768°,Azm79.3815° $M_0$2.66892×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}0.89 $M_{\theta\theta}$0.80 $M_{\phi\phi}$-1.69 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.41 $M_{\phi r}$2.08 NP1: ϕ_s190.17334°,δ17.24532°,λ116.63583°. NP2:ϕ_s342.46696°,δ74.63299°,λ82.07724°.
Principal axes: T 2.1230,Plg59.6214°,Azm241.3548°; N 0.8350,Plg7.6378°,Azm344.5790°
; P -2.9580,Plg29.2049°,Azm78.8780° $M_0$2.64143×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27 $M_{\theta\theta}$1.09 $M_{\phi\phi}$-0.82 $M_{r\theta}$-0.31 $M_{\theta\phi}$0.21 $M_{\phi r}$1.51 NP1: ϕ_s134.88136°,δ81.08662°,λ-49.37385°. NP2:ϕ_s235.11897°,δ41.42619°,λ-166.45717°.
Principal axes: T 1.1864,Plg24.8747°,Azm194.3845°; N 0.9393,Plg40.0352°,Azm307.3098°
; P -2.1257,Plg39.7735°,Azm81.6827° $M_0$1.84508×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.18 $M_{\theta\theta}$1.15 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.34 $M_{\theta\phi}$0.17 $M_{\phi r}$1.52 NP1: ϕ_s136.34926°,δ83.11489°,λ-48.63802°. NP2:ϕ_s234.10286°,δ41.82912°,λ-169.64466°.
Principal axes: T 1.2774,Plg26.2395°,Azm194.9534°; N 0.9059,Plg40.9992°,Azm310.3242°
; P -2.1833,Plg37.7095°,Azm82.5515° $M_0$1.89991×10^{16}

NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.7km az=70.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-1.06 $M_{r\theta}$-0.67 $M_{\theta\phi}$0.32 $M_{\phi r}$1.60 NP1:ϕ_s337.75000°,δ71.65000°,λ89.32000°. NP2:ϕ_s159.91000°,δ18.36000°,λ92.04000°. Principal axes: T 2.2696,Plg63.0000°,Azm247.0000°; N -0.2159,Plg1.0000°,Azm338.0000°; P -2.0537,Plg27.0000°,Azm68.0000° $M_0$2.17000×10^{16}

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109250312A. Moment Tensor Solution. s49,c56; s68,c104; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.18±.12 $M_{\theta\theta}$-0.13±.08; $M_{\phi\phi}$-2.05±.08; $M_{r\theta}$-0.79±.08; $M_{\theta\phi}$0.63±.07; $M_{\phi r}$1.06±.07; Best double couple: NP1:ϕ_s173.00000°,δ31.00000°,λ107.00000°. NP2:ϕ_s333.00000°,δ60.00000°,λ80.00000°. Principal axes: T 2.5810,Plg73.0000°,Azm218.0000°; N -0.0120,Plg9.0000°,Azm338.0000°
; P -2.5710,Plg15.0000°,Azm71.0000° $M_0$2.57600×10^{16}

JSN Event type se. Error ellipse: s-maj=38.8km s-min=482.0km az=-1.0. Presumed earthquake.

TRN	**IX**	**19 14 44 12.6**	**16.39N**	**61.07W**	**5**	**3.5**		**¶625961034**

TRN East of Guadeloupe.

TRN	**IX**	**28 16 14 59.9**	**19.55N**	**63.09W**	**28**	**3.8**		**¶625961329**

TRN Far North of Anguilla.

TRN	**IX**	**22 08 47 31.3**	**15.15N**	**61.11W**	**150**	**3.8**		**¶625961143**

TRN East of Dominica.

TRN	**IX**	**25 07 24 59.9**	**16.70N**	**60.99W**	**38**	**3.6**		**¶625961199**

TRN North-east of Guadeloupe.

TRN	**IX**	**30 11 58 53.1**	**15.70N**	**60.93W**	**27**	**3.5**		**¶625961370**

TRN North-east of Dominica.

TRN	**X**	**05 05 12 11.7**	**15.73N**	**61.11W**	**113**	**4.0**		**¶625961424**

TRN North-east of Dominica.

ISC	**X**	**07 17 53 23.1–.62**	**17.06N–.04**	**60.31W–.05**	**26**	**4.2b**	**126**	**1-73**
IDC	X	07 17 53 19.6–.79	17.16N	60.21W	0	4.2L,4.0b		**¶621131625**
PTWC	X	07 17 53 20	17.20N	60.20W		4.5L,4.0b		
NEIC	X	07 17 53 21.5–1.4	17.04N–.04	60.31W–.05	10–1	4.4b,4.0b		
TRN	X	07 17 53 23.3	17.10N	60.22W	27	4.4,4.0b		

ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=14.1km az=35.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=3.5km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

TRN Far East of Antigua.

TRN	**X**	**18 00 28 43.4**	**15.23N**	**60.93W**	**108**	**3.5**		**¶625961748**

TRN East of Dominica.

TRN	**X**	**09 13 11 19.4**	**17.61N**	**61.69W**	**30**	**3.6**		**¶625961494**

TRN Near East of Barbuda.

TRN	**X**	**17 01 52 40.3**	**19.21N**	**62.16W**	**30**	**3.8**		**¶625961703**

TRN North-east of Anguilla.

ISC	**X**	**23 22 47 26.5–.54**	**17.30N–.03**	**62.16W–.04**	**96–4**	**4.5b**	**343**	**0-164**
PTWC	X	23 22 47 26	17.40N	62.00W	105	4.9L		**¶621238030**
NEIC	X	23 22 47 27.1–.99	17.31N–.06	62.13W–.06	94–5	4.6b		
IDC	X	23 22 47 27.7–2.2	17.29N	62.18W	102–20	4.4,4.0b		
TRN	X	23 22 47 27.2	17.38N	62.04W	98	4.5,4.0b		
GFZ	X	23 22 47 27.2–.21	17N–4.0	62W–4.0	94–2	5.3b,4.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN South-west of Barbuda. Felt in Antigua; MMI IV, V, St. Kitts and Nevis IV, V, VI; Montserrat IV, V; St. Martin, V; St. Barthelemy IV; St. Eustatius and Saba IV; Guadeloupe IV.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

TRN	**X**	**19 23 22 08.0**	**19.29N**	**62.25W**	**15**	**3.6**		**¶625962234**

TRN North-east of Anguilla.

ISC	**X**	**24 08 20 18.7–1.5**	**16.04N–.03**	**60.22W–.06**	**28–10**	**4.0b,3.6s**	**177**	**1-59**
IDC	X	24 08 20 14.1–1.6	16.26N	59.98W	0	3.9,3.6L		**¶621238077**
RSNC	X	24 08 20 17.5–.80	16N–4.0	60W–8.0	49–6	5.5b,5.0		
NEIC	X	24 08 20 20.0–1.2	16.07N–.03	60.22W–.08	34–7	4.3b,5.0		
PTWC	X	24 08 20 20	15.90N	60.30W		4.1L,5.0		
TRN	X	24 08 20 20.2	16.03N	60.20W	22	4.4,5.0		

ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=16.2km az=46.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=3.4km az=73.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

TRN East of Guadeloupe.

ISC	**XI**	**01 20 26 23.2–3.4**	**19.5N–.20**	**63.52W–.10**	**31**		**59**	**2-7**
NEIC	XI	01 20 26 22.3–.51	19.46N–.07	63.58W–.04	10–2	4.1,3.1L		**¶621252403**
RSPR	XI	01 20 26 24.0	19.59N	63.52W	44–17	4.0,3.1L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=4.0km az=334.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

TRN	**X**	**24 11 33 20.2**	**16.55N**	**61.98W**	**137**	**3.6**		**¶625962359**

TRN South-east of Montserrat.

TRN	**XI**	**01 05 00 35.8**	**19.42N**	**62.21W**	**40**	**3.6**		**¶625962510**

TRN Far North-east of Anguilla.

TRN	**XI**	**01 22 32 26.6**	**18.52N**	**62.32W**	**9**	**3.5**		**¶625962522**

TRN North-east of Anguilla.

TRN	**XI**	**02 00 25 03.2**	**16.67N**	**62.08W**	**151**	**3.7**		**¶625962524**

TRN Near East of Montserrat.

TRN	**XI**	**04 00 14 26.9**	**15.83N**	**61.63W**	**3**	**3.5**		**¶625962566**

TRN North-west of Dominica, Near Les Saintes.

TRN	**XI**	**03 17 39 02.4**	**17.08N**	**62.35W**	**2**	**3.5**		**¶625962557**

TRN East of Nevis.

ISC	**XI**	**01 22 08 17.2–.37**	**18.43N–.03**	**62.33W–.03**	**31–2**	**4.9b,4.2s**	**611**	**1-164**
IDC	XI	01 22 08 13.0–.45	18.43N	62.33W	0	4.5b,4.5		**¶621252409**
TRN	XI	01 22 08 15.7	18.60N	62.27W	14	5.4,4.5		
CATAC	XI	01 22 08 16.7–.34	19N–2.0	62W–2.0	42–4	5.5,5.3b		
NEIC	XI	01 22 08 17.7	18.45N	62.33W	33	5.5,5.3b		
NEIC	XI	01 22 08 17.8	18.43N	62.35W	30	5.5,5.3b		
NEIC	XI	01 22 08 17.5–1.6	18.43N–.06	62.34W–.04	31–3	5.0b,4.9		
GFZ	XI	01 22 08 19.0–.20	18N–2.0	62W–2.0	44–2	5.8b,5.3		
NEIC	XI	01 22 08 19.2	18.35N	62.43W	30	5.0,5.3		
GFZ	XI	01 22 08 19.8	18.34N	62.43W	36	4.9W,5.3		
GCMT	XI	01 22 08 20.9–.20	18.50N–.01	62.35W–.01	32–1	5.0W,5.3		

ISC Event type ke.
TRN North-east of Anguilla.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27 $M_{\theta\theta}$2.35 $M_{\phi\phi}$-2.08 $M_{r\theta}$-0.62 $M_{\theta\phi}$0.02 $M_{\phi r}$1.08 NP1:ϕ_s132.77346°,δ81.94937°,λ-28.54406°. NP2:ϕ_s227.12981°,δ61.76265°,λ-170.85312°. Principal axes: T 2.5024,Plg13.6223°,Azm183.0459°; N 0.1011,Plg60.4345°,Azm298.3354°
; P -2.6034,Plg25.6949°,Azm86.3498° $M_0$2.55438×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.24 $M_{\theta\theta}$2.38 $M_{\phi\phi}$-2.14 $M_{r\theta}$-0.59 $M_{\theta\phi}$0.03 $M_{\phi r}$1.02 NP1: ϕ_s132.84630°,δ82.51024°,λ-26.90856°. NP2:ϕ_s226.63115°,δ63.33927°,λ-171.61311°.
Principal axes: T 2.5157,Plg13.0095°,Azm182.5185°; N 0.0843,Plg62.1437°,Azm298.4420°
; P -2.6000,Plg24.1706°,Azm86.5667° $M_0$2.55887×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35 $M_{\theta\theta}$2.44 $M_{\phi\phi}$-2.09 $M_{r\theta}$-0.68 $M_{\theta\phi}$-0.14 $M_{\phi r}$1.11 NP1: ϕ_s134.55135°,δ82.13134°,λ-29.85067°. NP2:ϕ_s229.04361°,δ60.45844°,λ-170.94632°.
Principal axes: T 2.6259,Plg14.5863°,Azm185.2265°; N 0.0069,Plg59.2223°,Azm301.1339°
; P -2.6328,Plg26.4520°,Azm87.7875° $M_0$2.62934×10^{16} Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.42 $M_{\theta\theta}$2.23 $M_{\phi\phi}$-1.80 $M_{r\theta}$-0.62 $M_{\theta\phi}$-0.32 $M_{\phi r}$1.03 NP1: ϕ_s136.64681°,δ81.25008°,λ-31.46502°. NP2:ϕ_s231.96531°,δ58.94217°,λ-169.77126°.
Principal axes: T 2.4414,Plg14.9059°,Azm188.0280°; N -0.0837,Plg57.4617°,Azm302.6871°
; P -2.3578,Plg28.1879°,Azm89.8264° $M_0$2.40068×10^{16}

NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.01 $M_{\theta\theta}$2.50 $M_{\phi\phi}$-2.51 $M_{r\theta}$-1.13 $M_{\theta\phi}$-0.13 $M_{\phi r}$1.01 NP1:ϕ_s225.81000°,δ58.91000°,λ178.34000°. NP2:ϕ_s316.67000°,δ88.58000°,λ31.10000°. Principal axes: T 2.9846,Plg23.0000°,Azm186.0000°
; N -0.1005,Plg59.0000°,Azm319.0000°; P -2.8841,Plg20.0000°,Azm87.0000°
$M_0$2.94000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ6 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.34 $M_{\theta\theta}$2.90 $M_{\phi\phi}$-2.56 $M_{r\theta}$-1.63 $M_{\theta\phi}$0.37 $M_{\phi r}$1.48 NP1:ϕ_s222.42000°,δ51.06000°,λ-174.98000°. NP2:ϕ_s129.26000°,δ86.09000°,λ-39.05000°. Principal axes: T 3.5861,Plg23.0000°,Azm183.0000°; N -0.0960,Plg51.0000°,Azm304.0000°
; P -3.4901,Plg30.0000°,Azm78.0000° $M_0$3.54000×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.43 $M_{\theta\theta}$2.80 $M_{\phi\phi}$-2.36 $M_{r\theta}$-1.33 $M_{\theta\phi}$-0.37 $M_{\phi r}$1.25 NP1: ϕ_s136.58194°,δ86.16295°,λ-35.79701°. NP2:ϕ_s229.34479°,δ54.29555°,λ-175.27297°.
Principal axes: T 3.3791,Plg21.4292°,Azm188.5484°; N -0.3855,Plg54.0253°,Azm311.2803°
; P -2.9935,Plg27.3864°,Azm86.8168° $M_0$3.20376×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111012208A. Moment Tensor Solution. s40,c52; s108,c165; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.30±.13 $M_{\theta\theta}$3.11±.10; $M_{\phi\phi}$-2.81±.10; $M_{r\theta}$-1.90±.14; $M_{\theta\phi}$0.12±.09; $M_{\phi r}$2.27±.16; Best double couple: NP1:ϕ_s226.00000°,δ45.00000°,λ-175.00000°. NP2:ϕ_s133.00000°,δ86.00000°,λ-45.00000°. Principal axes: T 4.0680,Plg27.0000°,Azm189.0000°; N 0.2480,Plg45.0000°,Azm309.0000°
; P -4.3130,Plg33.0000°,Azm80.0000° $M_0$4.19100×10^{16}

TRN	**XI**	**05 23 14 34.6**	**18.58N**	**62.10W**	**4**	**3.2**		**¶625962593**

TRN Far North-west of Barbuda.

TRN	**XI**	**05 14 09 31.0**	**15.85N**	**61.57W**	**3**	**3.5**		**¶625962587**

TRN North-west of Dominica, near Les Sainte.

TRN	**XI**	**20 22 10 58.7**	**15.18N**	**60.28W**	**21**	**3.9**		**¶625962909**

TRN East of Dominica.

TRN	**XI**	**09 22 09 05.1**	**16.77N**	**61.24W**	**13**	**3.5**		**¶625962687**

TRN North-east of Guadeloupe.

TRN	**XI**	**10 09 28 52.6**	**18.26N**	**61.54W**	**16**	**3.5**		**¶625962703**

TRN Far North-east of Barbuda.

TRN	**XI**	**17 08 39 45.7**	**15.18N**	**61.03W**	**168**	**3.6**		**¶625962822**

TRN East of Dominica.

TRN	**XI**	**27 08 00 37.3**	**17.15N**	**62.00W**	**1**	**3.5**		**¶625963109**

TRN Near North-west of Antigua.

TRN	**XI**	**22 08 58 19.8**	**17.96N**	**63.13W**	**90**	**3.5**		**¶625962941**

TRN South-west of St. Maarten.

ISC	**XII**	**11 07 34 47.6–1.8**	**19.6N–.10**	**63.36W–.05**	**34–4**		**122**	**2-25**
NEIC	XII	11 07 34 46.3–1.3	19.51N–.10	63.40W–.07	10–2	4.0b		**¶621627330**
TRN	XII	11 07 34 50.0	19.50N	63.38W	96	4.0		
RSPR	XII	11 07 34 50.3	19.76N	63.63W	73–14	4.3		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=10.0km az=21.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Far North-west of Anguilla.
RSPR Event type ke.

ISC	**XII**	**04 03 54 49.8–2.0**	**18.0N–.10**	**63.53W–.05**	**165–13**		**73**	**0-3**
TRN	XII	04 03 54 51.8	17.98N	63.55W	154	3.3		**¶621612095**
NEIC	XII	04 03 54 52.0–.69	18.1N–.10	63.57W–.06	144–11	4.2,2.9L		
RSPR	XII	04 03 54 51.5	18.60N	63.83W	184–5	4.2,2.9L		

ISC Event type ke.
TRN West of St. Maarten.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=7.6km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

TRN	**XII**	**08 03 13 11.3**	**19.47N**	**61.55W**	**51**	**4.0**		**¶625963405**

TRN Far North of Barbuda.

ISC	**XII**	**09 22 37 46.8–2.9**	**19.62N–.05**	**63.40W–.04**	**1–19**	**4.3b**	**289**	**2-70**
IDC	XII	09 22 37 48.0–.79	19.66N	63.35W	0	4.1,4.0b		**¶621626204**
NEIC	XII	09 22 37 48.2–2.6	19.64N–.06	63.33W–.06	10–1	4.4b,4.0b		
CATAC	XII	09 22 37 49.0	20N–4.0	63W–4.0	10–6	5.6b,5.5b		
TRN	XII	09 22 37 50.6	19.71N	63.32W	60	4.7,5.5b		
PTWC	XII	09 22 37 51	19.60N	63.40W		4.1L,5.5b		
RSPR	XII	09 22 37 54.5	19.78N	63.66W	51–10	4.2,5.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=17.7km s-min=15.9km az=98.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.6km az=42.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
TRN Far North of Anguilla.
RSPR Event type ke.

ISC	**XII**	**10 12 58 56.6–.68**	**18.24N–.04**	**62.85W–.03**	**46–6**	**4.3b**	**273**	**0-164**
PTWC	XII	10 12 58 56	18.30N	62.80W	21	4.6L		**¶621627187**
GFZ	XII	10 12 58 56.6–.22	18N–3.0	63W–3.0	58	5.3b,4.8L		
NEIC	XII	10 12 58 57.9–1.2	18.17N–.08	62.87W–.08	55–6	4.4b,4.8L		

CATAC XII 10 12 58 58.7–.68 18N–6.0 63W–3.0 38–9 4.8,4.8
TRN XII 10 12 58 58.4 18.26N 62.82W 41 4.3,4.8
IDC XII 10 12 58 59.0–2.7 18.22N 62.89W 62–24 4.9L,4.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.3km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=13.7km s-min=3.8km az=20.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
TRN East of Anguilla. Felt in St. Barthelemy MMI IV; St. Martin V, VI; St. Kitts and Nevis IV, V; Anguilla V; .
IDC Error ellipse: s-maj=17.4km s-min=14.4km az=57.0.
ISC XII 13 23 25 58.3–1.4 17.97N–.09 63.70W–.05 153–12 135 1-16
NEIC XII 13 23 25 58.3–1.1 17.96N–.09 63.69W–.04 155–6 4.4,4.1b **¶621629122**
TRN XII 13 23 25 59.9 18.01N 63.69W 150 4.2,4.1b
RSPR XII 13 23 25 59.6 17.82N 63.77W 143–3 4.4,4.1b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.1km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN West of St. Maarten.
RSPR Event type ke.
TRN XII 16 02 00 24.9 15.24N 61.18W 159 3.7 ¶625963482
TRN Near South-east of Dominica.
TRN XII 15 23 17 01.0 18.01N 63.20W 100 3.5 ¶625963480
TRN West of St. Martin.
TRN XII 30 23 00 25.6 17.53N 60.58W 47 3.9 ¶625963674
TRN Far East of Barbuda.
TRN XII 23 02 44 38.8 17.28N 61.57W 78 3.5 ¶625963566
TRN North-east of Antigua.
TRN XII 29 09 36 44.3 17.71N 61.44W 3 3.7 ¶625963653
TRN East of Barbuda.
TRN XII 18 13 29 55.3 15.95N 60.65W 10 3.7 ¶625963522
TRN North-east of Dominica.
TRN XII 18 13 40 02.6 17.17N 61.77W 64 3.6 ¶625963523
TRN Near North of Antigua.
ISC XII 22 23 01 29.2–.93 17.29N–.06 61.92W–.07 72–7 3.7b 111 1-83
TRN XII 22 23 01 29.3 17.37N 61.82W 58 4.2 **¶621648310**
NEIC XII 22 23 01 29.6–1.2 17.3N–.10 61.9W–.10 66–11 4.2b
IDC XII 22 23 01 31.4–5.8 17.54N 62.09W 77–55 4.5L,3.6
ISC Event type se.
TRN South of Barbuda. Felt in Antigua and Barbuda, MMI IV, V; St. Kitts and Nevis V; .
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=5.2km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=120.2km s-min=39.7km az=9.0.
TRN XII 29 06 03 06.1 17.60N 60.66W 26 3.6 ¶625963651
TRN Far East of Barbuda.

(93) Belize.

ISC VII 23 00 49 10.9–2.5 16.3N–.10 88.01W–.10 10 15 1-3
GCG VII 23 00 49 08.7–1.1 16.13N 87.89W 20–10 4.2 **¶625366900**
SNET VII 23 00 49 18.0–2.6 16N–22 88W–6.0 5 3.7,3.6
ISC Event type se.
GCG Event type se. Presumed earthquake.
SNET automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

(94) Caribbean Sea.

FUNV VII 24 03 04 36.9 13.14N 63.74W 28 3.8W ¶625959126
FUNV Event type se. Presumed earthquake.
ISC XII 22 05 56 48.2–2.4 12.3N–.10 73.27W–.06 10 23 1-7
RSNC XII 22 05 56 51.1–.00 12N–3.0 73W–3.0 18–3 4.9b,4.2 **¶624380803**
FUNV XII 22 05 57 04.3 11.52N 72.48W 23 2.9W,4.2
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC VIII 15 03 28 53.1–.80 12N–6.0 75W–8.0 0 6.6,6.5 ¶626345260
TRN IX 01 19 37 27.4 11.94N 64.00W 4 4.2 ¶625960428
TRN North of Margarita Island.
CATAC X 26 08 35 21.7–.80 16N–3.0 82W–2.0 12–5 3.8,3.8 ¶626091075
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(95) Windward Islands.

ISC VII 02 19 25 33.0–1.6 11.14N–.06 61.58W–.08 57–20 40 0-8
FUNV VII 02 19 25 33.6 11.20N 61.57W 14 3.9W **¶621699806**
TRN VII 02 19 25 33.2 11.14N 61.47W 55 3.8
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of Trinidad.
ISC VII 03 22 26 35.9–1.8 11.39N–.05 62.09W–.08 135–17 43 1-7
TRN VII 03 22 26 38.2 11.40N 61.67W 124 4.0 **¶621699813**
FUNV VII 03 22 26 39.7 11.29N 62.03W 112 3.6W
ISC Event type se.
TRN South of Grenada.
FUNV Event type se. Presumed earthquake.
ISC VII 06 16 00 12.4–1.3 11.99N–.03 61.90W–.06 19–3 34 0-6
TRN VII 06 16 00 11.9 12.00N 61.81W 21 3.7 **¶621699834**
FUNV VII 06 16 00 14.1 11.97N 61.83W 17 3.5W
ISC Event type se.
TRN Near South coast of Grenada. Felt widely in Grenada, MMI IV, V, VI.
FUNV Event type se. Presumed earthquake.
ISC VII 09 08 12 05.7–2.1 11.01N–.08 62.42W–.08 72–39 26 1-5
FUNV VII 09 08 12 05.3 10.58N 62.19W 113 3.2W **¶621699847**
TRN VII 09 08 12 06.3 10.99N 62.46W 47 3.3
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of the Paria peninsula.
ISC VII 10 10 52 04.5–1.3 12.43N–.03 59.58W–.05 30–9 4.4b 137 1-78
IDC VII 10 10 52 00.7–1.0 12.48N 59.45W 0 4.2L,4.0 **¶620928351**
TRN VII 10 10 52 05.2 12.63N 59.48W 80 4.1,4.0
NEIC VII 10 10 52 06.7–1.0 12.6N–.10 59.4W–.20 33–12 4.5b,4.0
FUNV VII 10 10 52 08.1 12.67N 59.50W 63 4.1W,4.0
ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=13.7km az=46.0.
TRN South of Barbados.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=16.2km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
TRN VII 18 02 09 31.7 13.28N 60.96W 93 3.6 ¶625958952
TRN East of St. Vincent.
TRN VII 25 10 37 08.1 15.00N 60.46W 40 3.5 ¶625959167
TRN North-east of Martinique.
TRN VIII 23 03 08 41.7 14.88N 60.44W 27 3.5 ¶625960031
TRN East of Martinique.
TRN VIII 16 13 57 19.2 12.30N 59.35W 62 3.9 ¶625959857
TRN South of Barbados.
TRN VIII 02 21 55 04.1 11.69N 61.26W 95 3.6 ¶625959430
TRN South-east of Grenada.
ISC VIII 06 06 20 18.5–2.7 12.95N–.06 59.3W–.10 52–12 27 0-3
TRN VIII 06 06 20 17.6 12.94N 59.38W 48 3.6 **¶625959510**
ISC Event type se.
TRN Near South-east of Barbados.
ISC VII 28 17 15 04.3–1.2 14.01N–.02 60.56W–.05 33–7 56 0-8
TRN VII 28 17 15 02.9 14.02N 60.57W 29 3.7 **¶621700458**
FUNV VII 28 17 15 06.0 13.97N 60.61W 5 3.3W
ISC Event type se.
TRN East of Saint Lucia.
FUNV Event type se. Presumed earthquake.
ISC VIII 01 11 02 25.2–1.9 14.87N–.09 60.3W–.10 42–45 12 1-2
TRN VIII 01 11 02 25.2 14.85N 60.45W 50 2.9 **¶625959391**
ISC Event type se.
TRN East of Martinique.
FUNV VIII 14 13 59 52.9 11.01N 62.51W 33 3.5W ¶621716757
FUNV Event type se. Presumed earthquake.
TRN VIII 20 18 46 30.4 12.40N 60.13W 75 3.5 ¶625959948
TRN South-west of Barbados.
ISC VIII 23 16 00 13.4–.78 11.22N–.03 62.12W–.08 65–8 4.3b 81 1-146
IDC VIII 23 16 00 05.3–1.4 11.44N 62.08W 0 4.4L,4.2 **¶621049255**
TRN VIII 23 16 00 13.7 11.24N 61.92W 55 4.0,4.2
NEIC VIII 23 16 00 13.2–2.6 11.43N–.09 62.53W–.06 45–7 4.5b,4.2
FUNV VIII 23 16 00 17.3 11.28N 61.78W 42 4.0W,4.2
ISC Event type se.
IDC Error ellipse: s-maj=35.6km s-min=27.3km az=94.0.
TRN North-east of Trinidad. Felt in Trinidad, MMI IV, V.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.7km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
ISC VIII 31 08 26 32.3–1.7 11.09N–.07 62.36W–.07 87–30 55 1-7
FUNV VIII 31 08 26 33.2 11.12N 62.29W 23 4.2W **¶621717453**
TRN VIII 31 08 26 33.3 11.09N 62.41W 70 4.2
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of the Paria peninsula. Felt widely in Trinidad, MMI IV, V.
ISC IX 16 07 54 54.1–1.7 11.26N–.04 62.55W–.05 34–4 31 1-5
TRN IX 16 07 54 56.7 11.28N 62.50W 60 3.5 **¶621717519**
FUNV IX 16 07 54 56.4 11.31N 62.29W 7 2.3W
ISC Event type se.
TRN North of the Paria peninsula.
FUNV Event type se. Presumed earthquake.
TRN VIII 31 07 13 35.2 12.07N 59.59W 112 3.6 ¶625960383
TRN South of Barbados.
ISC IX 04 09 57 00.7–2.1 12.02N–.05 59.4W–.10 99–19 41 1-8
TRN IX 04 09 57 00.3 12.04N 59.18W 50 3.7 **¶621717473**
FUNV IX 04 09 57 02.5 12.02N 59.62W 13 3.3W
ISC Event type se.
TRN South of Barbados.
FUNV Event type se. Presumed earthquake.
TRN IX 03 11 56 06.5 11.10N 61.92W 12 3.5 ¶625960484
TRN North of the Paria peninsula.
TRN IX 11 22 12 47.4 13.35N 59.14W 39 3.6 ¶625960834
TRN North-east of Barbados.
TRN IX 19 00 39 49.4 14.79N 60.58W 21 4.1 ¶625960992
TRN East of Martinique.
ISC IX 20 07 44 02.1–1.5 11.04N–.05 62.25W–.06 71–24 43 1-5
TRN IX 20 07 44 03.2 11.05N 62.25W 64 3.8 **¶621717537**
FUNV IX 20 07 44 03.8 10.96N 62.16W 69 3.5W
ISC Event type se.
TRN North of the Paria peninsula.
FUNV Event type se. Presumed earthquake.
TRN IX 20 04 51 47.7 14.55N 59.68W 30 3.6 ¶625961079
TRN East of Martinique.
TRN IX 29 15 59 05.8 14.76N 59.83W 14 3.6 ¶625961346
TRN East of Martinique.
TRN IX 20 15 11 20.2 14.82N 59.95W 68 3.8 ¶625961092
TRN East of Martinique.
TRN IX 20 21 23 01.8 14.79N 60.54W 20 3.8 ¶625961102
TRN East of Martinique.
TRN X 06 05 52 05.4 14.79N 60.99W 4 3.5 ¶625961436
TRN Martinique.
ISC X 02 23 04 54.0–1.5 11.18N–.04 61.90W–.07 82–15 38 1-7
FUNV X 02 23 04 56.6 11.31N 61.97W 29 3.4W **¶624380416**
TRN X 02 23 04 57.8 11.21N 61.67W 72 3.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North-west of Trinidad.
TRN X 05 18 54 30.3 14.95N 61.26W 160 3.5 ¶625961430
TRN North-west of Martinique.
ISC X 11 04 02 60.0–1.6 11.02N–.05 62.25W–.07 89–19 37 1-5
FUNV X 11 04 02 58.4 10.94N 62.16W 5 3.2W **¶624380448**
TRN X 11 04 03 01.3 11.00N 62.21W 87 3.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of the Paria peninsula. Felt in Trinidad MMI IV.
ISC X 09 00 37 34.3–1.6 11.00N–.05 62.31W–.06 122–15 40 1-7
TRN X 09 00 37 34.0 10.94N 62.43W 118 3.9 **¶624380438**
FUNV X 09 00 37 35.7 10.72N 62.16W 29 3.7W
ISC Event type se.
TRN North of the Paria peninsula.
FUNV Event type se. Presumed earthquake.
ISC X 16 07 07 44.3–.36 11.66N–.03 60.09W–.04 44–3 4.8b,3.8s 547 2-164
IDC X 16 07 07 38.4–.43 11.67N 60.12W 0 4.4L,4.4b **¶621204558**
TRN X 16 07 07 44.9 11.73N 60.01W 19 5.2,4.4b
NEIC X 16 07 07 45.0–1.0 11.59N–.08 60.10W–.07 44–8 4.9b,4.4b
GFZ X 16 07 07 45.3–.32 12N–2.0 60W–4.0 56–2 5.5b,5.5L
PTWC X 16 07 07 46 11.70N 60.10W 54 4.8b,5.5L
FUNV X 16 07 07 47.2 11.69N 60.06W 39 4.6W,5.5L
GCMT X 16 07 07 48.2–.30 11.73N–.02 59.82W–.02 33–0 4.9W,5.5L
CATAC X 16 07 07 48.6–.71 12N–5.0 60W–4.0 48–7 5.3b,5.1b
ISC Event type se.
TRN North-east of Tobago.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
FUNV Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110160707A. Moment Tensor Solution. s31,c36; s89,c132; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.31±.13 $M_{\theta\theta}$-0.55±.08; $M_{\phi\phi}$1.86±.09;

Mrθ-1.72±.11; Mθθ1.52±.06; Mθr-0.06±.09; Best double couple: NP1:ϕs171.00000°,δ48.00000°,λ-152.00000°. NP2:ϕs61.00000°,δ69.00000°,λ-45.00000°. Principal axes: T 2.7800,Plg13.0000°,Azm121.0000°; N 0.1030,Plg41.0000°,Azm222.0000°; P -2.8770,Plg46.0000°,Azm17.0000° Mo2.82900×1016

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

TRN	**X**	**11 08 21 04.1**	**14.87N**	**61.11W**	**169**	**3.7**		
								¶625961562

TRN Near North of Martinique.

TRN	**X**	**17 12 18 41.9**	**13.49N**	**59.90W**	**10**	**3.9**		
								¶625961735

TRN North-west of Barbados.

ISC	**X**	**31 22 25 56.7–1.3**	**12.45N–.04**	**60.23W–.04**	**14–10**		**60**	**1-8**
TRN	X	31 22 25 57.8	12.48N	60.21W	10	4.5		**¶624380527**
FUNV	X	31 22 25 57.4	12.48N	60.37W	7	4.2W		

ISC Event type se.

TRN South-west of Barbados.

FUNV Event type se. Presumed earthquake.

TRN	**X**	**26 10 30 42.8**	**14.45N**	**61.22W**	**148**	**3.7**		
								¶625962382

TRN West of Martinique.

ISC	**X**	**30 07 54 21.6–2.5**	**11.91N–.08**	**60.1W–.30**	**105–41**		**34**	**1-13**
FUNV	X	30 07 54 14.7	11.61N	59.95W	5	2.9W		**¶624380522**
TRN	X	30 07 54 21.0	11.86N	59.92W	76	3.7		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

TRN North-east of Tobago.

ISC	**XI**	**02 09 26 28.7–1.8**	**12.48N–.05**	**60.16W–.06**	**57–31**		**36**	**1-8**
TRN	XI	02 09 26 25.9	12.33N	60.07W	87	3.7		**¶624380534**
FUNV	XI	02 09 26 26.6	12.45N	60.21W	1	2.3W		

ISC Event type se.

TRN South-west of Barbados.

FUNV Event type se. Presumed earthquake.

TRN	**XI**	**01 01 07 34.8**	**12.53N**	**61.44W**	**107**	**3.5**		
								¶625962505

TRN North-east of Grenada, near Carriacou.

ISC	**XI**	**07 00 13 08.1–1.3**	**11.07N–.04**	**61.94W–.08**	**32–11**		**41**	**1-6**
FUNV	XI	07 00 13 07.5	11.09N	61.94W	13	3.3W		**¶624380551**
TRN	XI	07 00 13 09.2	11.05N	61.91W	46	3.0		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

TRN North of the Paria peninsula.

FUNV	**XI**	**07 07 26 03.5**	**11.36N**	**60.74W**	**14**	**3.5W**		
TRN	XI	07 07 26 00.3	10.94N	62.66W	29	3.0		**¶624380552**

FUNV Event type se. Presumed earthquake.

TRN North of the Paria peninsula.

ISC	**XI**	**18 06 25 57.5–4.5**	**11.19N–.09**	**62.0W–.50**	**75–46**		**24**	**1-1**
FUNV	XI	18 06 25 56.4	11.39N	60.77W	38	2.8W		**¶624380608**
TRN	XI	18 06 25 57.2	11.16N	61.99W	82	3.1		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

TRN North of the Paria peninsula.

TRN	**XI**	**20 21 01 10.5**	**14.87N**	**60.99W**	**164**	**3.7**		
								¶625962903

TRN North of Martinique.

ISC	**XII**	**02 02 12 05.2–1.6**	**11.92N–.03**	**61.5W–.10**	**128–10**		**53**	**0-7**
FUNV	XII	02 02 12 04.7	11.93N	61.67W	138	3.7W		**¶624380691**
TRN	XII	02 02 12 06.6	11.91N	61.51W	128	4.1		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

TRN South-east of Grenada.

ISC	**XII**	**20 06 02 12.4–1.7**	**11.19N–.05**	**62.00W–.04**	**9–13**		**29**	**1-6**
FUNV	XII	20 06 02 12.1	11.12N	61.81W	8	2.6W		**¶624380780**

ISC Event type se.

FUNV Event type se. Presumed earthquake.

ISC	**XII**	**13 05 26 12.9–1.4**	**13.90N–.03**	**60.20W–.04**	**27–13**		**56**	**1-9**
FUNV	XII	13 05 26 12.2	13.93N	60.19W	12	3.4W		**¶624380755**
TRN	XII	13 05 26 13.2	13.91N	60.16W	20	3.7		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

TRN East of Saint Lucia.

ISC	**XII**	**07 07 39 03.4–1.7**	**11.26N–.05**	**62.3W–.10**	**67–32**		**35**	**1-6**
FUNV	XII	07 07 39 02.6	11.24N	62.23W	15	3.4W		**¶624380722**
TRN	XII	07 07 39 04.2	11.24N	62.35W	45	3.8		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

TRN North of the Paria peninsula.

ISC	**XII**	**14 18 27 37.8–4.2**	**11.29N–.07**	**62.3W–.10**	**92–57**		**14**	**1-6**
TRN	XII	14 18 27 36.8	11.29N	62.11W	132	2.8		**¶624380762**
FUNV	XII	14 18 27 41.2	10.78N	62.43W	5	1.9W		

ISC Event type se.

TRN North of the Paria peninsula.

FUNV Event type se. Presumed earthquake.

TRN	**XII**	**29 03 27 52.7**	**14.60N**	**60.22W**	**36**	**3.6**		
								¶625963649

TRN East of Saint Lucia.

TRN	**XII**	**22 01 09 38.7**	**14.97N**	**59.46W**	**8**	**4.4**		
								¶625963551

TRN Far East of Martinique.

TRN	**XII**	**22 08 27 30.1**	**14.88N**	**59.29W**	**49**	**3.8**		
								¶625963556

TRN Far East of Martinique.

TRN	**XII**	**30 00 47 00.7**	**14.12N**	**60.15W**	**40**	**3.8**		
								¶625963660

TRN East of Saint Lucia.

(96) Near north coast of Colombia.

ISC	**VII**	**22 16 38 54.2–1.5**	**11.43N–.07**	**73.31W–.04**	**19–5**		**15**	**1-4**
FUNV	VII	22 16 38 55.9	11.30N	73.15W	15	2.8W		**¶621700429**
RSNC	VII	22 16 38 56.7–.00	11N–2.0	73W–2.0	38–6	2.3,2.1L		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

ISC	**VIII**	**14 11 17 15.4–1.5**	**8.32N–.03**	**76.54W–.04**	**10–11**		**63**	**0-10**
CATAC	VIII	14 11 17 15.5–1.5	8N–5.0	77W–4.0	5–15	6.1b,5.8		**¶625172060**
RSNC	VIII	14 11 17 17.6–.00	8N–4.0	76W–5.0	43–9	3.4b,2.9		

ISC Event type se.

CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VII**	**30 10 24 53.8–.87**	**11.88N–.04**	**72.68W–.04**	**49–9**	**4.2b**	**170**	**1-153**
CATAC	VII	30 10 24 51.8–.23	12N–2.0	72W–3.0	74–6	5.2b,5.0		**¶620986060**
NEIC	VII	30 10 24 54.5–.98	11.9N–.10	72.67W–.04	46–1	4.3b,5.0		
IDC	VII	30 10 24 55.1–4.0	11.82N	72.65W	65–34	3.8,3.4L		
RSNC	VII	30 10 24 55.2–.00	12N–1.0	73W–1.0	29–1	7.9,7.5		
FUNV	VII	30 10 24 56.6	11.88N	72.55W	27	4.0W,7.5		

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=6.9km s-min=3.2km az=120.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

NEIC Event type se. Error ellipse: s-maj=15.2km s-min=5.3km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=39.4km s-min=16.9km az=79.0.

FUNV Event type se. Presumed earthquake.

ISC	**VIII**	**05 01 51 02.7–1.3**	**11.09N–.05**	**73.63W–.03**	**16–11**		**38**	**1-6**
RSNC	VIII	05 01 51 02.5–.00	11N–1.0	74W–1.0	25–2	3.3b,3.0		**¶621700479**
FUNV	VIII	05 01 51 04.9	11.03N	73.60W	25	2.8W,3.0		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

RSNC	**VIII**	**22 10 43 57.1–.00**	**11N–4.0**	**74W–4.0**	**25–2**	**7.3,7.0**		
								¶626345753
ISC	**IX**	**08 15 15 34.5–1.4**	**9.04N–.04**	**77.22W–.02**	**27–14**		**60**	**1-6**
UPA	IX	08 15 15 35.6–1.1	9.02N	77.24W	30–8	3.7W		**¶625152597**
RSNC	IX	08 15 15 35.8–.00	9N–2.0	77W–2.0	39–10	4.8b,4.1		

ISC Event type se.

UPA Event type se. Presumed earthquake.

ISC	**IX**	**15 04 31 42.6–1.2**	**11.87N–.05**	**72.03W–.08**	**74–11**		**50**	**0-9**
RSNC	IX	15 04 31 43.4–.00	12N–4.0	72W–4.0	75–4	3.5b,3.2		**¶621717511**
FUNV	IX	15 04 31 48.1	11.48N	72.26W	11	3.2W,3.2		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

ISC	**X**	**12 06 15 22.0–1.1**	**11.29N–.05**	**72.89W–.04**	**28–9**		**25**	**0-6**
FUNV	X	12 06 15 21.7	11.25N	72.85W	3	3.1W		**¶624380452**
RSNC	X	12 06 15 21.6–.00	11N–3.0	73W–3.0	36–3	3.3b,2.7		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

ISC	**X**	**17 02 59 53.5–.89**	**11.29N–.04**	**72.51W–.05**	**94–12**		**114**	**0-11**
RSNC	X	17 02 59 55.7–.00	11N–1.0	72W–1.0	79–3	4.7b,4.1b		**¶624380471**
CATAC	X	17 02 59 56.9–.92	11N–9.0	73W–6.0	40–37	4.5b,4.3b		
FUNV	X	17 02 59 58.2	11.20N	72.46W	52	3.9W,4.3b		

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=19.8km s-min=11.8km az=16.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

FUNV Event type se. Presumed earthquake.

ISC	**XII**	**06 07 16 17.6–2.8**	**11.89N–.05**	**73.40W–.04**	**30–24**		**64**	**1-9**
CATAC	XII	06 07 16 15.5–.41	12N–3.0	73W–3.0	10	3.9,3.8		**¶624380718**
RSNC	XII	06 07 16 18.1–.00	12N–2.0	73W–2.0	29–1	6.1b,5.8		
FUNV	XII	06 07 16 19.4	11.88N	73.33W	20	3.3W,5.8		

ISC Event type se.

CATAC Event type se. Error ellipse: s-maj=6.2km s-min=6.1km az=95.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

FUNV Event type se. Presumed earthquake.

ISC	**XII**	**12 00 58 58.4–1.3**	**11.17N–.04**	**72.21W–.04**	**4–12**		**39**	**1-7**
RSNC	XII	12 00 58 59.9–.00	11N–4.0	72W–4.0	33–6	4.7b,3.9		**¶624380749**
FUNV	XII	12 00 59 01.0	11.07N	72.24W	5	3.4W,3.9		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

ISC	**XII**	**29 02 47 41.2–1.0**	**11.05N–.05**	**72.76W–.04**	**46–12**		**67**	**0-9**
RSNC	XII	29 02 47 41.7–.00	11N–1.0	73W–1.0	35–1	4.8b,4.2b		**¶624380834**
FUNV	XII	29 02 47 44.1	10.91N	72.69W	27	3.8W,4.2b		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

ISC	**XII**	**29 03 05 47.0–2.1**	**11.00N–.05**	**72.82W–.04**	**38–2**		**19**	**0-6**
RSNC	XII	29 03 05 46.2–.00	11N–1.0	73W–1.0	35–1	2.2,2.0L		**¶624380835**
FUNV	XII	29 03 05 49.8	10.88N	72.63W	13	3.0W,2.0L		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

(97) Near coast of Venezuela.

ISC	**VII**	**04 08 32 28.7–1.5**	**10.2N–.10**	**62.47W–.05**	**33–5**		**26**	**1-5**
TRN	VII	04 08 32 26.3	10.17N	62.49W	13	3.7		**¶621699816**
FUNV	VII	04 08 32 31.1	10.18N	62.41W	54	3.0W		

ISC Event type se.

TRN Gulf of Paria near coast of Venezuela.

FUNV Event type se. Presumed earthquake.

ISC	**VII**	**04 08 44 00.7–1.9**	**10.74N–.10**	**62.42W–.09**	**59–51**		**35**	**1-5**
TRN	VII	04 08 44 00.3	10.68N	62.44W	55	3.7		**¶621699817**
FUNV	VII	04 08 44 02.2	10.77N	62.35W	35	3.1W		

ISC Event type se.

TRN Paria peninsula.

FUNV Event type se. Presumed earthquake.

ISC	**VII**	**05 13 50 26.1–3.3**	**10.7N–.10**	**62.4W–.10**	**68–59**		**16**	**1-5**
FUNV	VII	05 13 50 25.2	10.49N	62.36W	4	3.1W		**¶621699828**
TRN	VII	05 13 50 27.9	10.75N	62.14W	80	2.8		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

TRN North of the Paria peninsula.

ISC	**VII**	**06 05 32 17.8–1.3**	**10.32N–.05**	**68.10W–.03**	**7–11**		**25**	**0-7**
FUNV	VII	06 05 32 18.4	10.30N	68.13W	7	3.1W		**¶621699831**
RSNC	VII	06 05 32 22.7–1.0	11N–5.0	69W–6.0	0	4.0b,2.8		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

ISC	**VII**	**16 23 09 11.7–1.6**	**10.95N–.05**	**62.16W–.07**	**11–12**		**23**	**1-5**
FUNV	VII	16 23 09 15.0	10.74N	62.01W	35	3.3W		**¶621699885**
TRN	VII	16 23 09 15.3	11.01N	61.93W	19	3.5		

ISC Event type se.

FUNV Event type se. Presumed earthquake.

TRN North of the Paria peninsula.

TRN	**VII**	**29 05 44 43.5**	**10.89N**	**62.03W**	**44**	**3.8**		
								¶625959290

TRN North of the Paria peninsula.

ISC	**VII**	**23 07 18 17.2–.87**	**10.88N–.04**	**62.27W–.04**	**93–9**	**3.8b**	**63**	**1-64**
IDC	VII	23 07 18 04.3–2.6	11.15N	61.90W	0	3.7b,3.7		**¶620967895**
FUNV	VII	23 07 18 18.6	10.93N	62.30W	15	3.9W,3.7		
TRN	VII	23 07 18 19.2	10.94N	62.23W	76	4.0,3.7		

ISC Event type se.

IDC Error ellipse: s-maj=100.8km s-min=32.1km az=75.0.

FUNV Event type se. Presumed earthquake.

TRN North of the Paria peninsula. Felt in Trinidad, MMI IV.

ISC	**VII**	**28 07 48 22.4–1.8**	**10.71N–.07**	**62.39W–.09**	**103–24**		**28**	**1-5**
TRN	VII	28 07 48 25.9	10.81N	62.27W	85	3.5		**¶621700457**
FUNV	VII	28 07 48 26.6	10.86N	62.34W	26	3.2W		

ISC Event type se.

TRN North of the Paria peninsula.

FUNV Event type se. Presumed earthquake.

ISC	**VIII**	**13 02 33 48.3–.65**	**10.87N–.04**	**62.17W–.06**	**95–6**	**3.9b**	**105**	**1-80**
NEIC	VIII	13 02 33 47.8–1.5	10.78N–.08	62.2W–.10	83–9	4.4b		**¶621011987**
TRN	VIII	13 02 33 50.1	10.91N	62.13W	76	4.3		
FUNV	VIII	13 02 33 51.1	10.89N	62.25W	36	3.9W		
IDC	VIII	13 02 33 56.8–4.4	11.64N	62.42W	130–28	3.8,3.4b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=18.1km s-min=11.6km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

TRN North of the Paria peninsula.

FUNV Event type se. Presumed earthquake.

IDC Error ellipse: s-maj=45.0km s-min=18.7km az=168.0.

ISC	**VIII**	**18 02 16 07.2–1.7**	**10.61N–.09**	**63.00W–.05**	**15–13**		**24**	**1-5**
TRN	VIII	18 02 16 07.6	10.74N	62.92W	1	3.5		**¶621716765**
FUNV	VIII	18 02 16 07.3	10.52N	62.95W	2	2.6W		

ISC Event type se.

TRN Near North of Venezuela.

FUNV Event type se. Presumed earthquake.

TRN	**VIII**	**17 01 35 06.8**	**10.26N**	**62.19W**	**10**	**3.5**		
								¶625959863

TRN Gulf of Paria.

TRN	**VIII**	**21 07 34 38.6**	**10.63N**	**62.02W**	**37**	**3.7**		
								¶625959969

TRN Near South of Paria peninsula.

ISC	**IX**	**11 07 45 06.8–1.4**	**10.86N–.05**	**62.35W–.06**	**85–19**		**62**	**1-7**
TRN	IX	11 07 45 07.5	10.83N	62.36W	84	4.2		**¶621717495**
FUNV	IX	11 07 45 09.0	10.88N	62.31W	25	3.9W		

ISC Event type se.

TRN North of Paria peninsula.

FUNV Event type se. Presumed earthquake.

TRN	**VIII**	**23 21 21 03.8**	**10.76N**	**62.70W**	**19**	**3.6**		
								¶625960054

TRN North of the Paria peninsula.

ISC	**VIII**	**26 22 18 55.8–.88**	**10.20N–.04**	**62.36W–.06**	**10**		**34**	**1-16**
TRN	VIII	26 22 18 56.2	10.29N	62.36W	3	3.8		**¶621717443**
FUNV	VIII	26 22 19 00.1	10.48N	62.29W	5	3.2W		

VAO VIII 26 22 19 08.4–1.5 9.61N 61.72W 10 3.7b
ISC Event type se.
TRN Gulf of Paria.
FUNV Event type se. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=7.2km s-min=7.4km az=-1.0. Presumed earthquake.
ISC VIII 30 16 16 43.9–.41 10.72N–.03 62.50W–.04 86–3 4.8b 368 1-161
VAO VIII 30 16 16 37.4–.41 10.71N 62.33W 10 4.9b **¶621011069**
RSNC VIII 30 16 16 42.8–1.1 11N–4.0 62W–7.0 37–13 7.4,7.1
NEIC VIII 30 16 16 43.5–1.6 10.61N–.05 62.33W–.08 77–6 4.9b,7.1
TRN VIII 30 16 16 43.7 10.61N 62.27W 98 4.6,7.1
FUNV VIII 30 16 16 44.7 10.66N 62.34W 72 4.9W,7.1
IDC VIII 30 16 16 45.6–2.3 10.77N 62.62W 102–20 4.5,4.2b
GFZ VIII 30 16 16 45.5–.59 11N–5.0 62W–6.0 93–10 5.1b,5.0
GCMT VIII 30 16 16 47.9–.40 10.70N–.03 62.39W–.02 62–3 4.8W,5.0
ISC Event type ke.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Near South of the Paria peninsula. Felt in Trinidad, MMI IV, V.
FUNV Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108301616A. Moment Tensor Solution. s7,c8; s74,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.01±.15 $M_{\theta\theta}$-0.30±.14; $M_{\phi\phi}$1.31±.14; $M_{r\theta}$0.88±.05; $M_{\theta\phi}$-1.22±.10; $M_{\phi r}$0.64±.05; Best double couple: NP1:ϕ_s297.00000°,δ57.00000°,λ-146.00000°. NP2:ϕ_s187.00000°,δ62.00000°,λ-38.00000°. Principal axes: T 1.9740,Plg3.0000°,Azm243.0000°; N 0.0850,Plg44.0000°,Azm336.0000°; P -2.0630,Plg46.0000°,Azm150.0000° M_o2.01800×10^{16}
ISC IX 16 06 17 16.2–4.7 10.9N–.10 62.4W–.30 50 14 1-1
FUNV IX 16 06 17 14.9 10.88N 62.40W 36 2.6W **¶621717518**
TRN IX 16 06 17 16.3 10.84N 62.41W 54 3.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of the Paria peninsula.
ISC IX 23 07 30 12.4–2.2 10.3N–.10 62.8W–.10 126–30 42 1-6
TRN IX 23 07 30 16.5 10.39N 62.72W 109 3.9 **¶621717545**
FUNV IX 23 07 30 17.7 10.51N 62.88W 24 3.6W
ISC Event type se.
TRN East coast of Venezuela, near Gulf of Paria.
FUNV Event type se. Presumed earthquake.
ISC IX 18 17 58 27.5–1.2 10.44N–.06 62.77W–.04 100 25 1-5
FUNV IX 18 17 58 21.7 11.60N 62.66W 24 2.4W **¶621717532**
TRN IX 18 17 58 36.0 10.66N 62.52W 37 3.0
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN Paria peninsula.
ISC IX 22 00 24 42.1–.93 10.91N–.07 64.28W–.04 18 24 3-6
TRN IX 22 00 24 48.3 10.79N 63.94W 148 3.7 **¶621717542**
FUNV IX 22 00 24 56.8 10.59N 64.68W 13 3.1W
ISC Event type se.
TRN North of Venezuela.
FUNV Event type se. Presumed earthquake.
TRN X 13 07 06 42.2 10.15N 62.40W 27 3.5 ¶625961614
TRN Gulf of Paria.
ISC X 10 10 13 34.1–1.0 9.99N–.07 60.69W–.07 41–11 42 0-145
IDC X 10 10 13 28.9–2.5 9.54N 61.46W 0 4.2L,4.1 **¶621235378**
TRN X 10 10 13 36.4 10.07N 60.80W 45 4.1,4.1
ISC Event type se.
IDC Error ellipse: s-maj=97.5km s-min=22.9km az=38.0.
TRN East of Trinidad.
ISC IX 27 11 16 00.1–2.1 10.81N–.05 62.55W–.04 30–19 26 1-5
FUNV IX 27 11 16 00.7 11.10N 62.41W 28 2.9W **¶621717559**
TRN IX 27 11 16 01.5 10.88N 62.53W 20 3.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of the Paria peninsula.
TRN X 03 02 43 09.8 10.21N 62.58W 58 3.8 ¶625961410
TRN Near East coast of Venezuela, Gulf of Paria.
ISC IX 26 02 13 36.3–1.5 11.57N–.08 71.33W–.05 24–17 45 1-9
FUNV IX 26 02 13 37.8 11.72N 71.41W 38 3.6W **¶621717552**
RSNC IX 26 02 13 38.2–.00 12N–4.0 71W–4.0 30–3 4.8b,4.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN X 13 07 55 25.4 10.58N 62.42W 105 3.6 ¶625961616
TRN Paria peninsula.
ISC X 14 02 34 51.2–1.3 10.67N–.05 62.76W–.06 50 23 1-5
FUNV X 14 02 34 47.0 12.41N 64.05W 35 3.5W **¶625961624**
TRN X 14 02 34 58.8 10.82N 62.29W 78 3.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of the Paria peninsula.
ISC X 15 16 46 37.0–1.5 11.78N–.08 70.51W–.04 22 35 1-9
FUNV X 15 16 46 34.8 11.93N 70.42W 5 3.2W **¶624380463**
RSNC X 15 16 46 39.6–.70 11N–3.0 71W–4.0 0 5.1b,4.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 20 22 21 03.1–1.3 10.81N–.05 62.50W–.04 89 29 1-6
TRN X 20 22 21 04.0 10.83N 62.61W 59 3.3 **¶625962300**
FUNV X 20 22 21 03.6 10.64N 62.32W 35 3.3W
ISC Event type se.
TRN North of the Paria peninsula.
FUNV Event type se. Presumed earthquake.
ISC X 28 17 20 22.8–1.4 10.74N–.06 62.77W–.06 35 16 1-5
TRN X 28 17 20 23.6 10.77N 62.73W 16 3.1 **¶624380517**
FUNV X 28 17 20 24.8 10.80N 62.63W 36 2.8W
ISC Event type se.
TRN North of the Paria peninsula.
FUNV Event type se. Presumed earthquake.
FUNV XI 07 13 13 25.8 10.38N 62.68W 5 2.9W ¶624380553
FUNV Event type se. Presumed earthquake.
ISC X 30 14 16 35.7–2.1 10.76N–.08 62.30W–.10 119–22 46 1-5
FUNV X 30 14 16 39.8 10.87N 62.35W 24 3.4W **¶624380524**
TRN X 30 14 16 39.5 10.84N 62.28W 95 3.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of the Paria peninsula.
ISC XI 12 21 05 59.7–1.6 10.60N–.08 62.52W–.06 34–4 21 1-5
FUNV XI 12 21 05 58.3 10.51N 62.48W 3 3.3W **¶624380580**
TRN XI 12 21 06 01.4 10.71N 62.52W 21 2.8
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of the Paria peninsula.
ISC XI 14 02 28 37.5–1.9 10.66N–.08 62.40W–.04 26–18 25 1-5
FUNV XI 14 02 28 39.3 10.51N 62.40W 5 2.6W **¶624380588**
TRN XI 14 02 28 40.2 10.70N 62.19W 78 3.0
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of the Paria peninsula.
ISC XI 23 00 31 54.1–1.0 10.48N–.05 68.97W–.04 10 18 1-8
FUNV XI 23 00 31 55.6 10.47N 68.89W 5 2.8W **¶624380638**
RSNC XI 23 00 32 00.1–1.6 11N–11 69W–15 164–29 3.3b,3.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN XI 22 09 43 09.7 10.88N 62.17W 80 3.6 ¶625962944
TRN North of the Paria peninsula.

ISC XI 19 23 09 37.4–2.4 10.3N–.10 62.7W–.10 96–39 49 1-8
FUNV XI 19 23 09 39.6 10.49N 62.65W 15 3.0W **¶624380624**
TRN XI 19 23 09 39.2 10.30N 62.54W 103 4.0
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN Gulf of Paria.
ISC XI 21 09 07 21.7–1.9 10.79N–.09 62.43W–.10 70–42 44 1-5
TRN XI 21 09 07 21.8 10.76N 62.50W 64 3.8 **¶624380632**
FUNV XI 21 09 07 22.9 10.84N 62.34W 29 3.1W
ISC Event type se.
TRN North of Paria peninsula.
FUNV Event type se. Presumed earthquake.
ISC XI 26 11 14 29.2–1.3 10.96N–.05 62.38W–.04 28–14 36 1-5
FUNV XI 26 11 14 30.6 10.99N 62.27W 30 3.5W **¶624380655**
TRN XI 26 11 14 31.2 10.99N 62.35W 23 3.2
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of the Paria peninsula.
ISC XI 24 21 58 20.8–2.2 10.84N–.09 62.2W–.10 106–26 28 1-5
FUNV XI 24 21 58 24.5 11.00N 62.22W 27 3.4W **¶624380645**
TRN XI 24 21 58 25.4 10.96N 62.15W 78 3.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN North of Paria peninsula.
ISC XII 02 22 45 04.5–.92 10.46N–.07 63.70W–.03 10 36 2-7
FUNV XII 02 22 45 07.6 10.59N 63.73W 5 3.8W **¶624380697**
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 29 21 35 30.3–1.7 11.4N–.10 70.36W–.04 28–18 16 2-5
FUNV XI 29 21 35 26.8 11.30N 70.53W 5 2.4W **¶624380674**
RSNC XI 29 21 35 34.5–1.2 11N–6.0 71W–7.0 0 3.2,2.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 07 19 43 47.6–.81 10.38N–.04 62.29W–.03 7–5 4.9b,4.0s 480 1-161
IDC XII 07 19 43 46.0–.45 10.30N 62.40W 0 4.4b,4.4 **¶621618795**
TRN XII 07 19 43 46.2 10.15N 62.21W 3 4.6,4.4
NEIC XII 07 19 43 48.4–1.2 10.42N–.06 62.35W–.06 10–1 5.1b,4.4
GFZ XII 07 19 43 49.2–.20 10N–3.0 62W–4.0 10 5.5b,5.2L
FUNV XII 07 19 43 50.1 10.37N 62.13W 16 4.2W,5.2L
VAO XII 07 19 43 50.7–.48 10.23N 62.23W 10 4.5b,5.2L
GCMT XII 07 19 43 51.7–.40 10.44N–.02 62.28W–.03 12 4.7W,5.2L
ISC Event type se.
TRN Gulf of Paria.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
FUNV Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071943A. Moment Tensor Solution. s13,c14; s70,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.54±.06 $M_{\theta\theta}$0.41±.07; $M_{\phi\phi}$0.13±.08; $M_{r\theta}$-0.45±.22; $M_{\theta\phi}$-1.34±.05; $M_{\phi r}$-0.53±.18; Best double couple: NP1:ϕ_s92.00000°,δ66.00000°,λ-155.00000°. NP2:ϕ_s352.00000°,δ67.00000°,λ-26.00000°. Principal axes: T 1.6160,Plg1.0000°,Azm42.0000°; N -0.0670,Plg56.0000°,Azm133.0000°; P -1.5500,Plg34.0000°,Azm312.0000° M_o1.58300×10^{16}
ISC XII 06 02 33 01.2–1.7 10.40N–.06 62.08W–.07 7–15 24 1-5
FUNV XII 06 02 33 00.3 10.25N 61.73W 5 3.0W **¶624380717**
TRN XII 06 02 33 05.2 10.25N 61.79W 3 2.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN Gulf of Paria.
ISC XII 07 00 25 09.0–1.6 10.09N–.06 62.34W–.06 9–10 3.9b 58 1-80
IDC XII 07 00 25 08.9–1.5 10.15N 62.70W 0 3.9b,3.9 **¶621632632**
TRN XII 07 00 25 11.9 10.05N 62.22W 15 3.5,3.9
FUNV XII 07 00 25 13.6 10.35N 62.25W 8 3.9W,3.9
ISC Event type se.
IDC Error ellipse: s-maj=51.8km s-min=16.2km az=29.0.
TRN Gulf of Paria.
FUNV Event type se. Presumed earthquake.
ISC XII 09 15 45 03.9–2.0 10.72N–.09 62.4W–.10 98–27 36 1-5
TRN XII 09 15 45 05.5 10.77N 62.50W 65 3.4 **¶624380738**
FUNV XII 09 15 45 06.6 10.85N 62.37W 22 3.3W
ISC Event type se.
TRN North of Paria peninsula.
FUNV Event type se. Presumed earthquake.
ISC XII 07 17 15 56.2–.45 10.39N–.03 62.32W–.03 12–2 5.2b,4.4s 803 1-171
MOS XII 07 17 15 54.9–1.3 10.37N 62.46W 11 5.3b,4.4s **¶621618752**
TRN XII 07 17 15 54.3 9.84N 61.83W 77 5.3,4.4s
NEIC XII 07 17 15 56.6–1.6 10.41N–.06 62.34W–.07 10–1 5.3b,5.1
VAO XII 07 17 15 57.5–.27 10.37N 62.16W 10 5.1b,5.1
GFZ XII 07 17 15 57.7–.23 10N–2.0 62W–4.0 10 5.7L,5.6b
FUNV XII 07 17 15 57.8 10.35N 62.18W 5 4.7W,5.6b
GCMT XII 07 17 15 58.8–.40 10.51N–.02 62.19W–.03 16–2 4.9W,5.6b
IDC XII 07 17 15 59.5–1.4 10.41N 62.51W 31–9 4.9,4.7b
BGR XII 07 17 16 00.2 10.69N 62.74W 33 4.7b,4.7b
ISC Event type ke.
MOS Error ellipse: s-maj=8.3km s-min=6.6km az=70.0.
TRN Venezuela. Felt widely in Trinidad MMI IV, V, VI; Tobago IV; St. Vincent IV, Grenada, IV.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.1km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.0km s-min=3.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
FUNV Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071715A. Moment Tensor Solution. s14,c14; s77,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.86±.15 $M_{\theta\theta}$0.64±.14; $M_{\theta\phi}$0.22±.15; $M_{r\theta}$0.41±.44; $M_{\theta\phi}$-2.32±.13; $M_{\phi r}$-1.72±.47; Best double couple: NP1:ϕ_s89.00000°,δ49.00000°,λ-167.00000°. NP2:ϕ_s351.00000°,δ80.00000°,λ-42.00000°. Principal axes: T 3.2980,Plg20.0000°,Azm47.0000°; N -0.6770,Plg47.0000°,Azm160.0000°; P -2.6210,Plg36.0000°,Azm301.0000° M_o2.96000×10^{16}
IDC Error ellipse: s-maj=11.1km s-min=10.2km az=56.0.
BGR Event type ke.
ISC XII 09 02 53 08.3–1.8 10.2N–.20 62.3W–.10 2–21 19 1-5
FUNV XII 09 02 53 09.6 10.20N 62.26W 5 2.9W **¶624380736**
TRN XII 09 02 53 10.2 10.10N 62.23W 27 3.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN Gulf of Paria.
ISC XII 13 18 26 09.1–1.4 10.68N–.09 62.58W–.05 50 13 1-5
TRN XII 13 18 26 08.4 10.64N 62.63W 61 3.0 **¶624380758**
FUNV XII 13 18 26 10.2 10.40N 62.48W 49 2.4W
ISC Event type se.
TRN Paria peninsula.
FUNV Event type se. Presumed earthquake.
ISC XII 10 00 48 23.5–1.4 10.0N–.10 62.48W–.05 38 19 1-5
FUNV XII 10 00 48 21.6 10.50N 62.38W 7 2.9W **¶624380741**
TRN XII 10 00 48 23.6 10.11N 62.44W 104 3.3
ISC Event type se.
FUNV Event type se. Presumed earthquake.
TRN Gulf of Paria.
ISC XII 21 01 50 49.9–1.3 10.1N–.10 62.75W–.04 38 33 1-5
TRN XII 21 01 50 49.3 10.15N 62.65W 110 3.2 **¶624380787**
FUNV XII 21 01 50 49.1 10.29N 62.74W 10 3.1W
ISC Event type se.
TRN Gulf of Paria.
FUNV Event type se. Presumed earthquake.
ISC XII 20 16 54 42.1–3.4 10.46N–.08 62.28W–.05 14–25 16 1-5
TRN XII 20 16 54 41.4 10.29N 62.37W 3 3.3 **¶624380782**

FUNV	XII	20 16 54 43.7	10.46N	62.19W	29	3.2W		
ISC	Event type se.							
TRN	Gulf of Paria.							
FUNV	Event type se. Presumed earthquake.							
ISC	**XII**	**21 20 05 44.8–1.9**	**10.34N–.09**	**62.23W–.07**	**2–16**		**29**	**1-5**
TRN	XII	21 20 05 44.6	10.18N	62.23W	3	3.7		**¶624380794**
FUNV	XII	21 20 05 46.6	10.29N	62.16W	8	2.4W		
ISC	Event type se.							
TRN	Gulf of Paria.							
FUNV	Event type se. Presumed earthquake.							
ISC	**XII**	**21 08 40 25.3–2.8**	**10.3N–.10**	**62.4W–.10**	**83–37**		**21**	**1-5**
TRN	XII	21 08 40 23.4	10.23N	62.28W	118	3.5		**¶624380790**
FUNV	XII	21 08 40 25.9	10.33N	62.41W	22	3.3W		
ISC	Event type se.							
TRN	Gulf of Paria.							
FUNV	Event type se. Presumed earthquake.							
ISC	**XII**	**21 20 17 19.2–1.8**	**10.3N–.10**	**62.2W–.10**	**11–16**		**34**	**1-5**
TRN	XII	21 20 17 19.9	10.29N	62.22W	3	3.7		**¶624380795**
FUNV	XII	21 20 17 20.5	10.27N	62.16W	16	3.0W		
ISC	Event type se.							
TRN	Gulf of Paria.							
FUNV	Event type se. Presumed earthquake.							
ISC	**XII**	**21 21 33 16.9–1.9**	**10.3N–.20**	**62.2W–.10**	**5–18**		**12**	**1-5**
FUNV	XII	21 21 33 16.3	10.08N	61.99W	5	2.2W		**¶624380796**
TRN	XII	21 21 33 18.1	10.30N	62.16W	3	3.0		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
TRN	Gulf of Paria.							
ISC	**XII**	**22 21 51 52.2–2.7**	**10.8N–.10**	**62.48W–.09**	**111–32**		**18**	**1-5**
TRN	XII	22 21 51 54.0	10.83N	62.43W	107	3.4		**¶624380805**
FUNV	XII	22 21 51 55.9	10.53N	62.51W	27	3.3W		
ISC	Event type se.							
TRN	North of the Paria peninsula.							
FUNV	Event type se. Presumed earthquake.							
ISC	**XII**	**22 00 13 27.7–1.4**	**10.1N–.10**	**62.25W–.05**	**9–11**		**22**	**1-5**
TRN	XII	22 00 13 30.2	10.27N	62.28W	3	3.1		**¶624380801**
FUNV	XII	22 00 13 33.5	10.40N	62.37W	5	2.7W		
ISC	Event type se.							
TRN	Gulf of Paria.							
FUNV	Event type se. Presumed earthquake.							
ISC	**XII**	**31 03 23 57.5–2.8**	**10.6N–.10**	**62.3W–.10**	**119–28**		**23**	**1-5**
TRN	XII	31 03 24 03.2	10.78N	62.14W	95	3.2		**¶624380844**
FUNV	XII	31 03 24 03.7	10.64N	62.38W	35	2.4W		
ISC	Event type se.							
TRN	North of the Paria peninsula.							
FUNV	Event type se. Presumed earthquake.							
ISC	**XII**	**23 06 46 56.7–2.3**	**10.53N–.10**	**63.15W–.05**	**9–20**		**25**	**2-5**
TRN	XII	23 06 46 55.7	10.20N	63.25W	0	3.6		**¶624380809**
FUNV	XII	23 06 46 58.2	10.22N	63.11W	5	3.0W		
ISC	Event type se.							
TRN	Venezuela.							
FUNV	Event type se. Presumed earthquake.							
ISC	**XII**	**28 14 05 03.2–2.4**	**10.6N–.10**	**62.53W–.10**	**83–39**		**34**	**1-7**
TRN	XII	28 14 05 05.4	10.55N	62.30W	97	3.7		**¶624380828**
FUNV	XII	28 14 05 09.0	10.45N	62.68W	70	3.5W		
ISC	Event type se.							
TRN	Gulf of Paria.							
FUNV	Event type se. Presumed earthquake.							
ISC	**XII**	**29 03 07 27.3–2.3**	**10.9N–.10**	**62.37W–.10**	**85–35**		**35**	**1-7**
TRN	XII	29 03 07 25.8	10.81N	62.61W	56	3.8		**¶624380836**
FUNV	XII	29 03 07 29.3	10.76N	62.30W	109	3.6W		
ISC	Event type se.							
TRN	North of the Paria peninsula.							
FUNV	Event type se. Presumed earthquake.							
ISC	**XII**	**31 16 07 01.8–.54**	**8.59N–.06**	**60.40W–.07**	**35**	**4.0b**	**88**	**2-146**
TRN	XII	31 16 06 59.7	8.35N	60.69W	45	4.7		**¶621726068**
NEIC	XII	31 16 07 00.4–2.1	8.63N–.06	60.41W–.10	15–4	4.6b		
IDC	XII	31 16 07 04.2–2.9	8.61N	60.25W	65–29	4.4L,3.6		
ISC	Event type se.							
TRN	Eastern Venezuela.							
NEIC	Event type se. Error ellipse: s-maj=15.7km s-min=4.7km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=29.7km s-min=19.0km az=42.0.							

(98) Trinidad.

ISC	**VII**	**02 02 34 03.7–2.5**	**10.73N–.09**	**61.0W–.10**	**122–9**		**41**	**0-7**
TRN	VII	02 02 34 09.2	10.94N	60.75W	41	3.3		**¶621699804**
FUNV	VII	02 02 34 11.8	11.22N	61.42W	5	3.5W		
ISC	Event type se.							
TRN	Near North-east of Trinidad.							
FUNV	Event type se. Presumed earthquake.							
ISC	**VII**	**12 23 08 07.8–2.9**	**10.1N–.10**	**60.5W–.10**	**90–11**		**36**	**0-8**
TRN	VII	12 23 08 09.1	10.25N	60.53W	72	3.7		**¶621699863**
FUNV	VII	12 23 08 10.0	10.23N	60.46W	22	4.1W		
ISC	Event type se.							
TRN	East of Trinidad.							
FUNV	Event type se. Presumed earthquake.							
ISC	**X**	**06 09 07 45.7–1.8**	**10.2N–.10**	**61.7W–.10**	**35–5**		**41**	**0-6**
TRN	X	06 09 07 49.1	10.35N	61.70W	31	3.8		**¶624380428**
FUNV	X	06 09 07 50.4	10.46N	61.78W	28	3.5W		
ISC	Event type se.							
TRN	Gulf of Paria.							
FUNV	Event type se. Presumed earthquake.							
FUNV	**VIII**	**29 08 38 02.8**	**10.36N**	**60.53W**	**10**	**3.7W**		**¶621717449**
FUNV	Event type se. Presumed earthquake.							
ISC	**X**	**04 15 45 55.3–2.8**	**10.96N–.10**	**60.6W–.20**	**27–17**		**29**	**1-8**
FUNV	X	04 15 45 52.3	11.03N	60.47W	15	4.0W		**¶624380421**
TRN	X	04 15 45 55.2	10.90N	60.43W	50	3.8		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
TRN	North-east of Trinidad.							
ISC	**IX**	**08 00 24 19.6–1.9**	**10.5N–.10**	**61.9W–.10**	**42–28**		**33**	**0-6**
FUNV	IX	08 00 24 20.2	10.50N	61.73W	57	3.2W		**¶621717485**
TRN	IX	08 00 24 20.9	10.52N	61.84W	42	3.6		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
TRN	Gulf of Paria.							
TRN	**XII**	**26 00 07 32.6**	**10.17N**	**61.45W**	**24**	**3.5**		**¶625963614**
TRN	South Trinidad.							

(99) Northern Colombia.

ISC	**VII**	**01 14 07 40.1–.50**	**6.86N–.03**	**73.03W–.03**	**157–5**	**4.5b**	**245**	**0-154**
FUNV	VII	01 14 07 39.9	6.74N	73.16W	176	4.6W		**¶626239113**
CATAC	VII	01 14 07 40.5–.56	7N–3.0	73W–4.0	157–6	4.7,4.7		
IDC	VII	01 14 07 40.1–.67	6.81N	72.98W	156–7	4.3,3.7b		
RSNC	VII	01 14 07 40.2–.00	7N–3.0	73W–4.0	151–5	5.2b,4.6		
NEIC	VII	01 14 07 41.1–1.8	6.92N–.07	73.13W–.09	142–10	4.5b,4.6		
VAO	VII	01 14 07 43.2–.56	6.73N	72.79W	167	4.2b,4.6		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
CATAC	Event type se. Error ellipse: s-maj=8.0km s-min=6.3km az=111.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.							
IDC	Error ellipse: s-maj=13.0km s-min=7.6km az=132.0.							
NEIC	Event type se. Error ellipse: s-maj=13.3km s-min=9.7km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
VAO	Event type se. Error ellipse: s-maj=7.5km s-min=3.6km az=-1.0. Presumed earthquake.							
RSNC	**VII**	**02 00 44 00.4–.00**	**7N–4.0**	**73W–4.0**	**91–11**	**1.2L**		**¶626239149**
ISC	**VII**	**02 14 17 52.1–1.7**	**6.86N–.04**	**73.14W–.05**	**165–10**		**37**	**0-4**
RSNC	VII	02 14 17 54.4–.00	7N–4.0	73W–5.0	142–7	2.2,1.9L		**¶621699805**
FUNV	VII	02 14 17 56.9	7.05N	73.51W	5	2.7W,1.9L		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
ISC	**VII**	**03 01 16 45.0–1.3**	**6.87N–.03**	**73.11W–.04**	**160–8**		**56**	**0-7**
RSNC	VII	03 01 16 46.7–.00	7N–1.0	73W–1.0	152–2	3.2b,3.0		**¶621699807**
FUNV	VII	03 01 16 47.3	6.83N	73.11W	154	3.5W,3.0		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
ISC	**VII**	**03 04 24 15.1–1.2**	**6.84N–.03**	**73.13W–.03**	**164–8**		**83**	**0-7**
FUNV	VII	03 04 24 17.5	6.80N	73.17W	160	3.8W		**¶621699808**
RSNC	VII	03 04 24 17.1–.00	7N–3.0	73W–4.0	146–5	5.0b,4.3		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
ISC	**VII**	**03 17 22 29.0–.84**	**9.58N–.03**	**73.51W–.04**	**10**		**27**	**1-5**
RSNC	VII	03 17 22 29.6–.00	10N–2.0	73W–2.0	0–5	4.7b,3.9		**¶621699811**
FUNV	VII	03 17 22 31.4	9.51N	73.53W	5	2.8W,3.9		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
ISC	**VII**	**04 07 01 01.8–.71**	**6.84N–.03**	**73.10W–.03**	**153–6**	**3.2b**	**96**	**0-63**
IDC	VII	04 07 01 01.9–.76	6.75N	72.98W	152–11	3.5,2.9b		**¶620927865**
FUNV	VII	04 07 01 01.8	6.75N	73.15W	173	2.6W,2.9b		
RSNC	VII	04 07 01 02.6–.00	7N–3.0	73W–4.0	142–5	5.0b,4.3		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
ISC	**VII**	**05 08 30 54.9–1.3**	**6.85N–.03**	**73.12W–.04**	**162–8**		**65**	**0-7**
RSNC	VII	05 08 30 55.5–.00	7N–3.0	73W–5.0	153–6	5.2b,4.6		**¶621699826**
FUNV	VII	05 08 30 56.8	6.90N	73.12W	165	3.6W,4.6		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
ISC	**VII**	**06 02 57 23.8–.55**	**6.85N–.03**	**73.08W–.03**	**155–5**	**4.2b**	**323**	**0-154**
CATAC	VII	06 02 57 23.8–.53	7N–3.0	73W–3.0	157–5	4.9b,4.8		**¶620734446**
NEIC	VII	06 02 57 24.4–1.9	6.80N–.05	73.05W–.07	152–4	4.2b,4.8		
FUNV	VII	06 02 57 24.3	6.87N	73.21W	168	4.5W,4.8		
IDC	VII	06 02 57 24.3–.63	6.73N	72.96W	160–6	4.2,3.7b		
RSNC	VII	06 02 57 24.4–.00	7N–3.0	73W–4.0	147–5	5.1b,4.7		
GFZ	VII	06 02 57 25.4–.43	7N–3.0	73W–4.0	167–4	4.3b,4.3		
VAO	VII	06 02 57 26.8–1.1	6.45N	72.94W	146	4.3b,4.3		
ISC	Event type se.							
CATAC	Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=110.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.							
NEIC	Event type se. Error ellipse: s-maj=10.8km s-min=6.7km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
FUNV	Event type se. Presumed earthquake.							
IDC	Error ellipse: s-maj=10.0km s-min=7.1km az=124.0.							
GFZ	Error ellipse: s-maj=7.8km s-min=5.6km az=76.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
VAO	Event type se. Error ellipse: s-maj=13.2km s-min=7.5km az=-1.0. Presumed earthquake.							
ISC	**VII**	**06 11 41 26.8–.54**	**6.85N–.03**	**73.13W–.03**	**154–5**	**4.5b**	**304**	**0-150**
GFZ	VII	06 11 41 26.7–.50	7N–4.0	73W–4.0	157–5	4.6b,4.6		**¶620754151**
CATAC	VII	06 11 41 26.1–.65	7N–3.0	73W–5.0	155–7	5.4b,5.2b		
FUNV	VII	06 11 41 26.2	6.74N	73.17W	176	4.3W,5.2b		
RSNC	VII	06 11 41 26.5–.00	7N–3.0	73W–4.0	150–5	5.2b,4.8b		
IDC	VII	06 11 41 26.9–.62	6.79N	73.01W	155–6	4.4,3.9b		
NEIC	VII	06 11 41 27.3–1.4	6.89N–.05	73.06W–.07	146–4	4.6b,3.9b		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
CATAC	manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.							
FUNV	Event type se. Presumed earthquake.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**08 08 59 39.2–.94**	**6.88N–.03**	**73.14W–.03**	**153–6**		**70**	**0-150**
RSNC	VII	08 08 59 39.1–.00	7N–3.0	73W–4.0	146–6	3.6b,3.5		**¶620928167**
FUNV	VII	08 08 59 42.5	7.05N	73.46W	5	3.5W,3.5		
IDC	VII	08 08 59 42.2–4.7	6.89N	73.77W	174–25	3.5,3.0b		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
IDC	Error ellipse: s-maj=188.7km s-min=37.1km az=93.0.							
ISC	**VII**	**08 17 22 43.6–.92**	**9.57N–.04**	**73.39W–.04**	**10**		**13**	**1-4**
FUNV	VII	08 17 22 40.8	10.13N	72.99W	128	3.1W		**¶621699843**
RSNC	VII	08 17 22 44.7–.00	10N–3.0	73W–3.0	0–7	2.1,2.0L		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
ISC	**VII**	**10 01 01 35.3–1.6**	**6.85N–.04**	**73.12W–.05**	**156–10**		**36**	**0-4**
RSNC	VII	10 01 01 36.6–.00	7N–4.0	73W–5.0	142–6	2.6,2.3		**¶621699851**
FUNV	VII	10 01 01 39.6	7.02N	73.40W	0	2.7W,2.3		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
ISC	**VII**	**10 23 37 59.5–.61**	**6.86N–.03**	**73.09W–.03**	**154–5**	**4.2b**	**154**	**0-150**
CATAC	VII	10 23 37 59.9–1.1	7N–3.0	73W–10	154–8	4.4,4.4		**¶620928385**
IDC	VII	10 23 37 59.2–.72	6.78N	72.96W	158–9	4.1,3.6b		
RSNC	VII	10 23 37 59.3–.00	7N–3.0	73W–4.0	148–5	4.8b,4.3b		
FUNV	VII	10 23 38 00.0	6.81N	73.12W	160	4.1W,4.3b		
NEIC	VII	10 23 38 00.2–1.6	6.91N–.07	73.10W–.08	140–9	4.3b,4.3b		
ISC	Event type se.							
CATAC	automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91_scanloc. confirmed.							
FUNV	Event type se. Presumed earthquake.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**11 13 26 10.2–1.0**	**6.86N–.03**	**73.14W–.03**	**150–6**		**79**	**0-150**
IDC	VII	11 13 26 09.2–2.9	6.99N	73.26W	158–32	3.7		**¶620928427**
RSNC	VII	11 13 26 10.3–.00	7N–3.0	73W–4.0	142–5	3.7b,3.2		
FUNV	VII	11 13 26 12.4	7.05N	73.48W	1	2.7W,3.2		
ISC	Event type se.							
IDC	Error ellipse: s-maj=152.2km s-min=8.3km az=131.0.							
FUNV	Event type se. Presumed earthquake.							
ISC	**VII**	**11 18 26 09.0–.75**	**6.85N–.03**	**73.13W–.03**	**160–6**	**3.7b**	**110**	**0-150**
RSNC	VII	11 18 26 09.8–.00	7N–3.0	73W–4.0	148–5	4.9b,4.8b		**¶620928437**
FUNV	VII	11 18 26 10.1	6.78N	73.19W	168	4.1W,4.8b		
CATAC	VII	11 18 26 10.1–.72	7N–2.0	73W–6.0	155–6	4.2,4.2		
IDC	VII	11 18 26 12.1–2.2	6.78N	73.54W	177–18	3.9,3.3b		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
CATAC	Event type se. Error ellipse: s-maj=13.2km s-min=5.2km az=89.3. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91_scanloc. confirmed.							
IDC	Error ellipse: s-maj=62.8km s-min=25.0km az=95.0.							
ISC	**VII**	**12 09 28 27.4–1.0**	**6.86N–.03**	**73.10W–.03**	**164–8**		**74**	**1-150**
FUNV	VII	12 09 28 27.8	6.74N	73.15W	174	3.8W		**¶620928477**
RSNC	VII	12 09 28 28.3–.00	7N–3.0	73W–5.0	147–8	3.6b,3.2		
IDC	VII	12 09 28 28.3–3.7	7.07N	73.27W	159–40	3.8,3.2		
ISC	Event type se.							
FUNV	Event type se. Presumed earthquake.							
IDC	Error ellipse: s-maj=182.4km s-min=7.9km az=131.0.							
ISC	**VII**	**13 18 54 46.3–.92**	**7.78N–.02**	**72.37W–.03**	**8–6**		**83**	**0-151**
IDC	VII	13 18 54 43.1–1.4	7.82N	72.68W	0	3.7b,3.7		**¶620928552**
RSNC	VII	13 18 54 46.1–.00	8N–2.0	72W–4.0	24–4	3.7b,3.3		
FUNV	VII	13 18 54 48.2	7.84N	72.37W	6	3.8W,3.3		
ISC	Event type se.							
IDC	Error ellipse: s-maj=38.9km s-min=13.4km az=133.0.							
FUNV	Event type se. Presumed earthquake.							
ISC	**VII**	**14 06 45 44.6–1.3**	**6.87N–.03**	**73.11W–.04**	**166–8**		**55**	**0-6**
RSNC	VII	14 06 45 46.6–.00	7N–3.0	73W–5.0	145–6	3.7b,3.3		**¶626239951**

FUNV VII 14 06 45 50.4 7.10N 73.09W 154 4.0W,3.3
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 14 20 37 53.1–1.5 6.90N–.04 73.14W–.05 150–9 41 0-4
RSNC VII 14 20 37 53.6–.00 7N–4.0 73W–5.0 141–6 2.5,2.2L **¶621699871**
FUNV VII 14 20 37 57.1 7.05N 73.43W 5 3.0W,2.2L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 15 00 59 39.9–1.4 6.84N–.03 73.14W–.04 154–8 51 0-5
RSNC VII 15 00 59 40.5–.00 7N–3.0 73W–4.0 144–6 3.8b,2.6 **¶621699872**
FUNV VII 15 00 59 43.3 7.00N 73.52W 5 2.6W,2.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC VII 15 13 35 34.9–.00 7N–7.0 73W–7.0 152–7 1.7L
¶626240041
ISC VII 16 14 51 03.4–1.5 6.88N–.03 73.13W–.04 159–8 56 0-4
RSNC VII 16 14 51 05.0–.00 7N–3.0 73W–4.0 142–6 2.9,2.5L **¶621699880**
FUNV VII 16 14 51 08.1 7.06N 73.42W 2 3.0W,2.5L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 16 22 52 44.5–1.6 6.82N–.04 73.10W–.05 157–9 40 0-4
RSNC VII 16 22 52 46.5–.00 7N–4.0 73W–5.0 139–6 2.2,1.9L **¶621699884**
FUNV VII 16 22 52 49.5 7.01N 73.41W 6 2.5W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 17 07 33 43.8–1.5 6.84N–.04 73.13W–.04 157–9 41 0-4
RSNC VII 17 07 33 45.6–.00 7N–4.0 73W–5.0 139–6 2.1,1.8L **¶621699887**
FUNV VII 17 07 33 48.5 7.06N 73.47W 6 2.7W,1.8L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 17 13 18 46.8–6.2 7.03N–.04 72.05W–.04 38–7 28 1-4
FUNV VII 17 13 18 40.7 7.78N 73.08W 112 3.7W **¶621699889**
RSNC VII 17 13 18 45.3–.00 7N–4.0 72W–7.0 27–6 2.4,2.1L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 17 14 20 22.1–1.3 7.12N–.03 72.08W–.03 3–11 28 1-3
RSNC VII 17 14 20 21.6–.00 7N–4.0 72W–5.0 25–6 2.2,1.9L **¶621699890**
FUNV VII 17 14 20 21.5 7.47N 72.50W 117 3.0W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 19 15 29 59.4–.54 6.84N–.03 73.12W–.03 155–4 4.2b 202 0-150
RSNC VII 19 15 29 58.9–.00 7N–3.0 73W–4.0 145–5 4.8b,4.6b **¶620833953**
FUNV VII 19 15 29 59.4 6.80N 73.13W 164 4.4W,4.6b
NEIC VII 19 15 29 59.5–.95 6.84N–.07 73.09W–.09 146–7 4.3b,4.6b
IDC VII 19 15 29 59.1–.71 6.76N 72.98W 161–8 4.1,3.6b
CATAC VII 19 15 29 59.4–1.1 7N–3.0 73W–9.0 154–8 4.5,4.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91_scanloc. confirmed.
ISC VII 19 20 38 14.4–.76 6.88N–.03 73.09W–.03 155–6 3.8b 105 0-149
FUNV VII 19 20 38 14.9 6.79N 73.16W 170 3.9W **¶620928896**
IDC VII 19 20 38 15.1–.80 6.82N 73.06W 160–14 4.0,3.6s
RSNC VII 19 20 38 15.2–.00 7N–3.0 73W–4.0 145–5 4.7b,4.0b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 21 16 44 14.1–.59 6.84N–.03 73.09W–.03 157–5 4.1b 170 0-150
CATAC VII 21 16 44 13.9–.71 7N–3.0 73W–6.0 162–6 4.5,4.5 **¶620844214**
NEIC VII 21 16 44 14.7–2.1 6.96N–.03 73.03W–.10 141–7 4.2b,4.5
RSNC VII 21 16 44 14.4–.00 7N–3.0 73W–4.0 151–5 4.9b,4.6b
FUNV VII 21 16 44 15.0 6.80N 73.16W 158 4.2W,4.6b
IDC VII 21 16 45 02.3–2.2 8.07N 73.99W 600–27 3.9,2.9b
ISC Event type se.
CATAC Error ellipse: s-maj=13.8km s-min=5.4km az=92.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=3.0km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=30.3km s-min=14.9km az=76.0.
ISC VII 20 19 05 13.7–1.4 6.85N–.03 73.09W–.04 162–8 66 0-6
RSNC VII 20 19 05 15.7–.00 7N–3.0 73W–4.0 142–6 3.6b,3.0 **¶621700419**
FUNV VII 20 19 05 19.5 7.05N 73.42W 5 3.6W,3.0
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC VII 23 14 05 31.2–.00 7N–5.0 73W–5.0 139–7 2.1,1.9L
¶626240578
RSNC VII 21 21 59 00.6–.00 7N–8.0 73W–6.0 139–9 2.1,1.9L
¶626240440
ISC VII 21 22 50 02.0–1.7 6.85N–.04 73.15W–.05 155–10 39 0-4
RSNC VII 21 22 50 03.6–.00 7N–5.0 73W–5.0 139–7 2.5,2.1L **¶621700426**
FUNV VII 21 22 50 06.8 7.05N 73.43W 3 2.7W,2.1L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC VII 22 09 22 56.9–.00 6N–5.0 76W–4.0 16–10 0.9L
¶626240486
ISC VII 25 05 44 55.1–.96 6.04N–.02 73.12W–.03 8–9 43 0-4
RSNC VII 25 05 44 54.5–.00 6N–3.0 73W–3.0 10–5 2.3,2.0L **¶621700442**
FUNV VII 25 05 44 55.2 5.76N 72.96W 5 3.1W,2.0L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 25 21 24 48.9–1.1 7.63N–.02 72.61W–.02 5–9 58 0-6
RSNC VII 25 21 24 49.9–.00 8N–3.0 73W–5.0 11–5 3.2b,2.8 **¶621700443**
FUNV VII 25 21 24 50.6 7.60N 72.48W 1 3.3W,2.8
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 26 09 55 14.9–1.4 7.75N–.03 73.25W–.04 132–8 49 0-4
FUNV VII 26 09 55 16.2 7.69N 73.52W 6 3.2W **¶621700447**
RSNC VII 26 09 55 16.6–.00 8N–1.0 73W–1.0 128–2 2.2,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 25 22 54 25.4–1.2 6.02N–.02 73.11W–.03 0–12 37 0-4
FUNV VII 25 22 54 05.9 7.13N 73.39W 36 3.1W **¶621700444**
RSNC VII 25 22 54 25.2–.00 6N–3.0 73W–3.0 13–5 2.3,2.0L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 26 14 50 12.0–1.1 6.02N–.02 73.08W–.02 1–9 101 0-150
RSNC VII 26 14 50 10.0–.00 6N–2.0 73W–3.0 10–4 4.6b,4.3b **¶620973850**
CATAC VII 26 14 50 12.0 5.91N 73.06W 5 4.5b,4.4b
FUNV VII 26 14 50 13.6 5.86N 73.08W 5 4.1W,4.4b
IDC VII 26 14 50 13.0–9.7 6.47N 74.80W 0 4.1W,4.4b
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/Hypo71. confirmed.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=516.4km s-min=19.3km az=67.0.
ISC VII 27 11 02 42.6–.62 6.85N–.03 73.11W–.03 155–5 3.6b 130 0-154
CATAC VII 27 11 02 42.5–.94 7N–5.0 73W–7.0 154–14 4.1,4.1 **¶620978960**
RSNC VII 27 11 02 42.8–.00 7N–3.0 73W–4.0 147–5 4.7b,4.1b
NEIC VII 27 11 02 43.1–1.1 6.93N–.03 73.00W–.09 142–9 4.2b,4.1b
IDC VII 27 11 02 43.6–2.3 6.71N 72.96W 172–21 3.9,3.3b
FUNV VII 27 11 02 44.1 6.83N 73.11W 157 4.0W,3.3b
ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=3.3km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.1km s-min=22.2km az=81.0.

FUNV Event type se. Presumed earthquake.
ISC VII 31 00 48 50.1–.50 6.82N–.02 73.04W–.03 154–4 4.3b 231 0-154
CATAC VII 31 00 48 50.8–.59 7N–3.0 73W–4.0 160–7 4.6b,4.6 **¶620929538**
NEIC VII 31 00 48 51.2–2.0 6.90N–.06 72.97W–.08 146–6 4.4b,4.6
RSNC VII 31 00 48 51.3–.00 7N–3.0 73W–4.0 147–5 4.8b,4.3b
IDC VII 31 00 48 52.6–1.6 6.77N 73.00W 174–16 4.2,3.7b
VAO VII 31 00 48 53.5–1.1 6.43N 72.72W 132–9 4.5b,3.7b
FUNV VII 31 00 48 55.7 7.03N 72.75W 5 4.1W,3.7b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.9km s-min=5.0km az=104.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.6km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.2km s-min=10.1km az=50.0.
VAO Event type se. Error ellipse: s-maj=6.4km s-min=3.8km az=-1.0. Presumed earthquake.
FUNV Event type se. Presumed earthquake.
ISC VII 27 17 51 26.4–1.3 6.83N–.02 72.04W–.03 17–9 3.8b 120 0-151
IDC VII 27 17 51 24.2–.75 7.00N 72.00W 0 3.8b,3.8 **¶620978973**
NEIC VII 27 17 51 24.6–1.7 6.77N–.03 72.03W–.07 10–1 4.0b,3.8
RSNC VII 27 17 51 27.3–.00 7N–3.0 72W–4.0 21–4 5.0b,4.9
FUNV VII 27 17 51 29.0 6.86N 72.19W 18 4.3W,4.9
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=14.9km az=121.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.4km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
ISC VII 30 16 27 44.3–1.0 9.93N–.03 74.50W–.03 25–9 65 0-8
RSNC VII 30 16 27 43.5–.00 10N–1.0 74W–1.0 29–1 6.1b,5.7 **¶625171148**
CATAC VII 30 16 27 44.4–.59 10N–3.0 75W–3.0 30–6 4.2b,4.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 30 05 51 04.7–1.4 9.72N–.03 73.38W–.03 10–12 39 1-6
FUNV VII 30 05 51 07.2 9.71N 73.44W 9 2.8W **¶621700463**
RSNC VII 30 05 51 07.1–.00 10N–1.0 73W–1.0 16–1 2.3,2.1L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 28 11 38 34.8–.47 7.22N–.03 72.94W–.03 173–4 4.2b 206 0-153
VAO VII 28 11 38 31.0–3.5 7.63N 73.03W 164–7 4.5b **¶620857221**
IDC VII 28 11 38 35.7–.62 7.07N 72.86W 186–6 4.2,3.8s
NEIC VII 28 11 38 35.7–1.4 7.25N–.06 72.90W–.08 166–9 4.3b,3.8s
RSNC VII 28 11 38 35.9–.00 7N–4.0 73W–5.0 162–6 5.1b,4.4
FUNV VII 28 11 38 36.1 7.19N 72.96W 181 4.2W,4.4
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=41.0km s-min=13.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=12.5km s-min=9.3km az=77.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.1km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
ISC VII 29 12 57 54.6–.94 6.85N–.03 73.13W–.04 159–6 77 0-150
IDC VII 29 12 57 55.8–5.7 6.83N 73.18W 163–35 3.7,3.1b **¶620984111**
RSNC VII 29 12 57 55.5–.00 7N–3.0 73W–4.0 145–5 4.9b,4.2
FUNV VII 29 12 58 00.1 7.05N 73.42W 5 3.3W,4.2
ISC Event type se.
IDC Error ellipse: s-maj=137.2km s-min=39.1km az=97.0.
FUNV Event type se. Presumed earthquake.
ISC VIII 04 20 20 45.9–1.6 6.85N–.04 73.11W–.05 148–10 43 0-4
RSNC VIII 04 20 20 46.8–.00 7N–5.0 73W–4.0 135–7 2.3,1.9L **¶621700476**
FUNV VIII 04 20 20 50.6 7.03N 73.36W 5 2.6W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 03 03 50 52.0–1.3 6.84N–.03 73.11W–.04 153–8 74 0-7
FUNV VIII 03 03 50 53.6 6.81N 73.10W 155 3.5W **¶621700472**
RSNC VIII 03 03 50 53.4–.00 7N–3.0 73W–4.0 138–6 3.3b,3.2
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC VIII 04 04 58 34.3–.00 7N–7.0 73W–7.0 139–9 1.7,1.6
¶626344551
ISC VIII 04 17 22 42.6–.94 9.63N–.04 73.42W–.04 19 14 1-3
RSNC VIII 04 17 22 42.1–.00 9.57N 73.47W 0–1 1.9,1.9L **¶621700475**
FUNV VIII 04 17 22 46.2 9.50N 73.53W 5 3.4W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 05 00 44 28.6–1.3 6.86N–.03 73.13W–.04 161–7 95 0-6
CATAC VIII 05 00 44 29.0–.53 7N–2.0 73W–4.0 159–5 4.1b,3.8 **¶621700478**
RSNC VIII 05 00 44 29.9–.00 7N–3.0 73W–4.0 145–5 4.7b,4.0
FUNV VIII 05 00 44 30.1 6.86N 73.13W 163 3.4W,4.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.4km s-min=4.5km az=103.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC VIII 12 00 54 00.3–.95 6.84N–.03 73.13W–.04 155–6 92 0-63
CATAC VIII 12 00 54 00.1–.73 7N–4.0 73W–5.0 91–17 4.0,4.0 **¶621009371**
RSNC VIII 12 00 54 00.4–.00 7N–3.0 73W–4.0 147–5 4.6b,4.2b
IDC VIII 12 00 54 03.5–2.3 5.02N 73.64W 267–12 3.5,2.9b
FUNV VIII 12 00 54 04.9 7.04N 73.40W 6 3.5W,2.9b
ISC Event type se.
CATAC Error ellipse: s-maj=11.5km s-min=7.9km az=109.0. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=93.0km s-min=35.5km az=69.0.
FUNV Event type se. Presumed earthquake.
ISC VIII 06 11 15 42.4–1.3 6.88N–.03 73.15W–.04 155–8 89 0-6
CATAC VIII 06 11 15 42.3–.69 7N–2.0 73W–7.0 161–7 4.1b,3.9 **¶621700485**
RSNC VIII 06 11 15 42.7–.00 7N–3.0 73W–4.0 147–5 4.4b,3.8b
FUNV VIII 06 11 15 44.8 6.93N 73.11W 162 3.4W,3.8b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=14.2km s-min=4.8km az=94.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC VIII 09 11 47 02.6–.88 6.88N–.03 73.12W–.03 160–7 99 0-150
CATAC VIII 09 11 46 51.6–1.2 7N–6.0 73W–11 316–15 4.3b,4.3b **¶621716735**
IDC VIII 09 11 46 54.5–1.7 3.93N 77.10W 0 3.5,3.4L
RSNC VIII 09 11 47 03.5–.00 7N–3.0 73W–4.0 147–5 4.8b,4.2b
FUNV VIII 09 11 47 05.8 6.98N 73.17W 146 3.8W,4.2b
ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=49.7km s-min=24.4km az=0.0.
FUNV Event type se. Presumed earthquake.
ISC VIII 09 22 50 22.7–.56 6.87N–.03 73.08W–.03 155–5 4.1b 159 0-150
CATAC VIII 09 22 50 21.8–.59 7N–3.0 73W–5.0 159–5 4.8b,4.5 **¶620979393**
NEIC VIII 09 22 50 22.5–2.0 6.91N–.07 73.00W–.08 142–7 4.1b,4.5
RSNC VIII 09 22 50 22.2–.00 7N–3.0 73W–4.0 149–5 4.5b,4.2b
FUNV VIII 09 22 50 23.5 6.83N 73.07W 158 3.9W,4.2b
IDC VIII 09 22 50 23.8–2.4 6.72N 73.18W 169–21 3.9,3.4b
ISC Event type se.
CATAC Error ellipse: s-maj=10.1km s-min=5.5km az=86.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.5km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=40.1km s-min=21.0km az=78.0.

ISC VIII 13 03 41 36.8–.99 7.49N–.03 73.19W–.03 138–6 108 0-151
FUNV VIII 13 03 41 38.3 7.46N 73.16W 150 3.2W ¶621012005
RSNC VIII 13 03 41 38.6–.00 7N–1.0 73W–1.0 136–2 4.7b,4.0
IDC VIII 13 03 41 43.6–6.5 6.98N 73.54W 187–42 3.7,3.7s
ISC Event type se.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=101.0km s-min=46.0km az=58.0.
RSNC VIII 13 06 25 40.4–.00 7N–6.0 73W–7.0 140–9 1.6,1.5L
¶626345152
ISC VIII 14 19 26 22.4–1.4 7.49N–.03 72.13W–.04 1–11 44 0-6
FUNV VIII 14 19 26 23.8 7.52N 72.19W 1 3.2W ¶621716758
RSNC VIII 14 19 26 23.2–.00 7N–4.0 72W–4.0 8–5 2.6,2.4L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 13 20 07 01.8–.66 6.87N–.03 73.12W–.04 151–5 3.6b 104 0-154
CATAC VIII 13 20 06 59.4–.39 7N–4.0 74W–5.0 10 4.4,4.4 ¶621012212
RSNC VIII 13 20 07 01.4–.00 7N–3.0 73W–4.0 148–5 4.7b,4.5b
IDC VIII 13 20 07 01.1–1.9 6.67N 72.90W 163–16 4.0,3.3b
FUNV VIII 13 20 07 05.8 7.10N 73.28W 14 4.1W,3.3b
ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=33.6km s-min=19.1km az=99.0.
FUNV Event type se. Presumed earthquake.
RSNC VIII 20 05 04 24.2–.00 7N–1.0 73W–1.0 145–2 3.4,2.8
FUNV VIII 20 05 04 23.0 6.79N 73.15W 167 3.0W,2.8 ¶625172428
FUNV Event type se. Presumed earthquake.
ISC VIII 14 20 35 19.5–.82 6.85N–.03 73.09W–.05 159–6 3.4b 83 1-150
CATAC VIII 14 20 35 18.8–.57 7N–2.0 73W–4.0 162–5 4.0,4.0 ¶621013554
IDC VIII 14 20 35 21.8–4.2 6.69N 73.24W 175–28 3.7,3.3b
RSNC VIII 14 20 35 21.1–.00 7N–1.0 73W–1.0 152–2 4.7b,4.2b
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 16 14 30 22.8–2.0 6.81N–.05 73.13W–.06 148–13 31 0-4
RSNC VIII 16 14 30 24.0–.00 7N–5.0 73W–5.0 134–7 2.1,1.8L ¶621716764
FUNV VIII 16 14 30 25.3 7.05N 73.56W 18 2.6W,1.8L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 20 19 30 21.9–1.3 6.86N–.03 73.14W–.04 148–8 65 0-7
FUNV VIII 20 19 30 22.0 6.79N 73.12W 160 3.1W ¶621716775
RSNC VIII 20 19 30 22.2–.00 7N–3.0 73W–4.0 139–6 3.5b,2.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 20 21 12 44.5–1.3 6.86N–.03 73.09W–.04 154–7 82 0-7
FUNV VIII 20 21 12 45.5 6.79N 73.12W 158 3.2W ¶621716776
RSNC VIII 20 21 12 45.9–.00 7N–3.0 73W–4.0 140–6 3.5b,2.8
CATAC VIII 20 21 12 47.7–.39 7N–2.0 73W–4.0 112 3.1,3.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 20 22 38 17.9–1.6 6.90N–.03 73.13W–.05 152–9 50 0-4
RSNC VIII 20 22 38 19.6–.00 7N–4.0 73W–4.0 135–6 2.5,2.1L ¶621716777
FUNV VIII 20 22 38 20.7 7.06N 73.49W 3 2.8W,2.1L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 23 13 52 47.4–1.4 6.86N–.03 73.14W–.04 157–8 85 0-6
RSNC VIII 23 13 52 47.8–.00 7N–3.0 73W–4.0 149–6 3.8b,3.5 ¶626345811
CATAC VIII 23 13 52 48.7–.88 7N–3.0 73W–6.0 150–7 3.5,3.5
FUNV VIII 23 13 52 51.7 7.08N 73.41W 5 3.1W,3.5
ISC Event type se.
CATAC Error ellipse: s-maj=11.9km s-min=5.7km az=91.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC VIII 20 18 22 56.5–1.5 10.62N–.04 73.43W–.03 0–14 23 1-4
RSNC VIII 20 18 23 00.0–.00 11N–2.0 74W–2.0 34–3 2.2,2.1L ¶621716774
FUNV VIII 20 18 23 03.2 10.76N 73.20W 5 2.9W,2.1L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 26 02 11 41.1–1.2 8.69N–.03 73.54W–.03 93–8 56 0-6
CATAC VIII 26 02 11 40.9–.47 9N–4.0 74W–5.0 10 2.8,2.8 ¶621717438
FUNV VIII 26 02 11 41.7 8.68N 73.55W 20 3.0W,2.8
RSNC VIII 26 02 11 42.0–.00 9N–1.0 74W–1.0 93–2 2.2,2.0L
ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC VIII 25 19 50 07.8–1.6 6.87N–.04 73.15W–.05 149–10 40 0-4
FUNV VIII 25 19 50 08.7 7.12N 73.94W 36 2.5W ¶621716794
RSNC VIII 25 19 50 08.8–.00 7N–4.0 73W–5.0 136–7 2.6,2.4
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 25 23 05 46.1–1.6 6.87N–.04 73.15W–.05 157–10 44 0-4
RSNC VIII 25 23 05 47.3–.00 7N–4.0 73W–5.0 143–7 2.7,2.5 ¶621716795
FUNV VIII 25 23 05 50.5 7.05N 73.45W 5 2.8W,2.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 24 01 21 53.5–.64 6.83N–.03 73.08W–.04 150–6 3.6b 130 0-150
FUNV VIII 24 01 21 52.1 6.68N 73.32W 82 3.7W ¶621049275
CATAC VIII 24 01 21 53.7–.51 7N–3.0 73W–5.0 152–5 4.5b,4.3
RSNC VIII 24 01 21 54.7–.00 7N–3.0 73W–4.0 141–5 4.9b,4.4b
IDC VIII 24 01 21 55.3–2.9 6.71N 73.12W 161–23 3.7,3.3b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
CATAC Error ellipse: s-maj=10.5km s-min=5.2km az=107.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=40.6km s-min=17.2km az=61.0.
ISC VIII 25 17 24 23.1–1.1 9.67N–.05 73.54W–.04 19 15 1-3
FUNV VIII 25 17 24 21.7 9.65N 73.59W 2 2.9W ¶621716793
RSNC VIII 25 17 24 22.0–.00 10N–3.0 73W–3.0 0–22 2.0,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 26 08 04 00.8–1.4 9.30N–.03 73.51W–.04 119–12 48 1-6
RSNC VIII 26 08 04 01.2–.00 9N–1.0 73W–1.0 114–4 4.2b,3.3b ¶621717441
FUNV VIII 26 08 04 02.4 9.28N 73.54W 18 3.0W,3.3b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 28 12 37 21.5–.46 6.88N–.03 73.15W–.03 153–4 4.4b 249 0-154
CATAC VIII 28 12 37 21.0–.81 7N–4.0 73W–7.0 162–8 4.9,4.9 ¶621009867
NEIC VIII 28 12 37 21.5–.71 6.86N–.06 73.03W–.08 149–7 4.5b,4.9
IDC VIII 28 12 37 21.4–.63 6.76N 72.94W 154–5 4.1,3.5b
RSNC VIII 28 12 37 21.7–.00 7N–3.0 73W–4.0 146–6 5.0b,4.7b
FUNV VIII 28 12 37 23.6 6.83N 73.10W 154 4.5W,4.7b
ISC Event type se.
CATAC Error ellipse: s-maj=15.8km s-min=7.1km az=103.2. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.4km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.8km s-min=9.9km az=107.0.
FUNV Event type se. Presumed earthquake.
ISC VIII 28 07 50 45.8–1.3 6.83N–.03 73.13W–.04 158–9 88 0-7
CATAC VIII 28 07 50 45.4–.78 7N–5.0 73W–6.0 168–11 3.6,3.6 ¶621717446
RSNC VIII 28 07 50 47.2–.00 7N–3.0 73W–4.0 142–6 3.7b,3.3
FUNV VIII 28 07 50 50.7 7.05N 73.39W 5 3.5W,3.3
ISC Event type se.

CATAC Error ellipse: s-maj=14.1km s-min=8.6km az=120.3. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC VIII 27 04 06 31.8–.73 6.85N–.03 73.13W–.04 150–6 3.2b 113 0-150
CATAC VIII 27 04 06 32.0–.59 7N–2.0 73W–5.0 144–6 4.2b,4.0 ¶621072122
FUNV VIII 27 04 06 32.8 6.85N 73.13W 155 3.8W,4.0
IDC VIII 27 04 06 32.9–3.4 6.77N 73.11W 163–25 3.7,3.2b
RSNC VIII 27 04 06 32.1–.00 7N–3.0 73W–4.0 139–8 5.3b,4.8
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC VIII 27 15 06 53.9–1.2 6.07N–.02 73.71W–.03 120–8 92 1-7
CATAC VIII 27 15 06 53.5–.67 6N–3.0 74W–4.0 122–7 3.7b,3.7 ¶621717445
FUNV VIII 27 15 06 54.9 6.01N 73.76W 111 3.5W,3.7
RSNC VIII 27 15 06 55.3–.00 6N–1.0 74W–1.0 116–2 4.0b,3.1
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC VIII 26 12 53 25.4–1.3 7.23N–.03 76.24W–.03 2–11 53 0-7
CATAC VIII 26 12 53 05.7–.60 7N–4.0 78W–4.0 1 4.2,4.2 ¶625151857
RSNC VIII 26 12 53 25.6–.00 7N–3.0 76W–3.0 17–6 4.2b,3.2
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 30 17 49 12.0–2.0 8.81N–.02 74.21W–.03 16–15 74 1-7
CATAC VIII 30 17 49 12.0–.80 9N–3.0 74W–4.0 13–7 4.0,4.0 ¶625152089
RSNC VIII 30 17 49 15.2–.00 9N–2.0 74W–2.0 35–3 5.3b,4.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 03 20 52 54.6–1.6 10.35N–.04 73.29W–.04 120–13 38 1-7
RSNC IX 03 20 52 55.7–.00 10N–1.0 73W–1.0 109–3 3.8b,2.7 ¶621717472
FUNV IX 03 20 52 56.2 10.34N 73.28W 117 3.4W,2.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 01 10 23 11.0–1.3 6.85N–.03 73.14W–.04 153–8 70 0-7
RSNC IX 01 10 23 12.1–.00 7N–4.0 73W–4.0 142–6 4.6b,3.7 ¶621717463
FUNV IX 01 10 23 13.0 6.87N 73.09W 150 3.5W,3.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 06 11 09 03.8–1.1 6.72N–.02 73.09W–.03 5–10 46 0-5
RSNC IX 06 11 09 03.4–.00 7N–2.0 73W–3.0 12–3 3.6b,2.5 ¶621717481
FUNV IX 06 11 09 06.2 6.64N 72.95W 16 3.2W,2.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 06 23 49 05.8–1.5 6.86N–.03 73.12W–.05 154–9 47 0-5
RSNC IX 06 23 49 07.6–.00 7N–4.0 73W–5.0 135–7 3.6b,2.7 ¶621717482
FUNV IX 06 23 49 10.9 7.03N 73.38W 5 2.5W,2.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 08 15 15 50.3–1.3 8.00N–.05 72.09W–.04 3–11 22 0-4
FUNV IX 08 15 15 50.2 7.71N 72.08W 5 3.1W ¶621717489
RSNC IX 08 15 15 52.8–.00 8N–9.0 72W–8.0 25–11 3.0,2.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 07 05 15 12.2–.67 6.84N–.03 73.12W–.04 156–6 3.4b 130 0-150
CATAC IX 07 05 15 12.2–.49 7N–2.0 73W–4.0 159–5 5.0b,4.3 ¶621094302
FUNV IX 07 05 15 12.4 6.79N 73.11W 167 4.2W,4.3
RSNC IX 07 05 15 13.3–.00 7N–1.0 73W–1.0 154–2 4.5b,4.3b
IDC IX 07 05 15 14.4–2.3 6.68N 73.12W 176–21 3.6,3.1b
ISC Event type se.
CATAC Error ellipse: s-maj=7.9km s-min=4.4km az=100.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=37.3km s-min=18.5km az=64.0.
ISC IX 07 12 06 47.8–1.1 6.84N–.03 76.14W–.03 14–10 47 1-5
CATAC IX 07 12 06 48.6–.80 7N–4.0 76W–8.0 10 3.9,3.9 ¶625152533
RSNC IX 07 12 06 49.2–.00 7N–2.0 76W–2.0 11–5 4.7b,4.0b
ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 08 07 43 19.0–1.4 8.21N–.03 73.17W–.04 146–10 46 0-4
RSNC IX 08 07 43 19.5–.00 8N–4.0 73W–7.0 135–10 2.8,2.4 ¶621717486
FUNV IX 08 07 43 21.6 8.12N 73.49W 5 2.4W,2.4
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 07 06 13 54.1–.56 6.86N–.03 73.09W–.04 155–5 4.3b 285 0-150
CATAC IX 07 06 13 53.0–.64 7N–3.0 73W–6.0 176–9 5.1b,4.7 ¶621039547
NEIC IX 07 06 13 55.0–1.0 6.88N–.06 73.05W–.09 154–8 4.3b,4.7
IDC IX 07 06 13 54.1–2.0 6.76N 72.99W 156–18 4.2,3.8b
RSNC IX 07 06 13 54.5–.00 7N–3.0 73W–4.0 147–6 5.1b,4.7
VAO IX 07 06 13 54.3–1.2 6.72N 73.06W 147 4.2b,4.7
FUNV IX 07 06 13 55.0 6.81N 73.14W 161 4.4W,4.7
ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.3km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.3km s-min=12.2km az=66.0.
VAO Event type se. Error ellipse: s-maj=13.9km s-min=8.2km az=-1.0. Presumed earthquake.
FUNV Event type se. Presumed earthquake.
RSNC IX 08 15 16 51.7–.00 8N–4.0 74W–4.0 40–4 1.9,1.8L
¶626685019
ISC IX 13 03 53 39.0–.87 7.58N–.03 72.66W–.04 11 28 0-3
RSNC IX 13 03 53 39.6–.00 8N–5.0 73W–5.0 15–5 1.8,1.7L ¶621717504
FUNV IX 13 03 53 40.4 7.56N 72.48W 5 2.5W,1.7L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC IX 11 11 14 22.5–.00 7N–3.0 73W–4.0 142–6 3.2b,2.6
¶626685199
ISC IX 10 17 14 06.5–1.3 9.83N–.04 73.04W–.04 148–11 91 1-9
RSNC IX 10 17 14 07.3–.00 10N–2.0 73W–2.0 133–5 8.3,7.8 ¶621717494
FUNV IX 10 17 14 08.2 9.87N 73.02W 148 3.8W,7.8
CATAC IX 10 17 14 09.4–.65 10N–4.0 73W–4.0 102–15 4.8b,4.0
ISC Event type se.
FUNV Event type se. Presumed earthquake.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSNC IX 11 09 21 18.4–.00 7N–4.0 73W–5.0 140–7 2.5,2.2
¶626685195
RSNC IX 13 05 23 43.2–.00 7N–1.0 74W–1.0 32–2 1.1,1.0L
¶626685315
ISC IX 13 01 29 00.7–1.8 10.12N–.04 73.26W–.04 137–14 28 1-4
RSNC IX 13 01 29 02.1–.00 10N–1.0 73W–1.0 119–4 2.1,1.9L ¶621717502
FUNV IX 13 01 29 02.4 10.13N 73.25W 133 2.8W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 13 01 32 16.7–1.7 9.36N–.03 73.20W–.05 140–14 31 1-4
RSNC IX 13 01 32 17.5–.00 9N–2.0 73W–2.0 130–5 2.0,1.9L ¶621717503
FUNV IX 13 01 32 18.0 9.33N 73.22W 142 2.5W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 15 11 58 59.4–1.6 6.82N–.04 73.13W–.04 151–10 45 0-4
RSNC IX 15 11 59 00.7–.00 7N–4.0 73W–4.0 136–7 2.8,2.5 ¶621717514
FUNV IX 15 11 59 03.5 7.00N 73.39W 2 2.8W,2.5
ISC Event type se.

FUNV Event type se. Presumed earthquake.
ISC IX 13 08 29 35.0–1.3 6.82N–.03 73.11W–.04 157–8 75 0-7
RSNC IX 13 08 29 36.4–.00 7N–3.0 73W–4.0 142–6 3.7b,3.6 **¶621717505**
FUNV IX 13 08 29 38.6 6.42N 72.56W 4 2.8W,3.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 14 17 32 50.1–1.4 9.75N–.07 73.53W–.06 108 11 1-3
RSNC IX 14 17 32 49.2–.00 10N–13 73W–13 0–130 2.0,1.9L **¶621717509**
FUNV IX 14 17 32 52.4 9.85N 73.59W 22 2.9W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 13 18 12 08.2–1.3 7.99N–.02 75.37W–.03 13–11 56 0-5
RSNC IX 13 18 12 07.7–.00 8N–3.0 75W–4.0 34–5 3.8b,2.9 **¶625152891**
CATAC IX 13 18 12 09.5–.45 8N–2.0 75W–3.0 3–5 3.6,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSNC IX 15 18 03 22.9–.00 7N–4.0 73W–4.0 144–6 3.4b,2.7 ¶626685488
ISC IX 15 09 26 51.3–1.5 6.87N–.03 73.15W–.04 157–9 52 0-6
RSNC IX 15 09 26 53.6–.00 7N–5.0 73W–5.0 137–7 3.4b,2.4 **¶621717513**
FUNV IX 15 09 26 58.2 6.98N 73.37W 23 2.7W,2.4
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 17 14 01 59.9–1.5 6.86N–.03 73.12W–.04 155–10 47 1-4
RSNC IX 17 14 02 01.4–.00 7N–4.0 73W–4.0 137–8 2.7,2.3L **¶621717523**
FUNV IX 17 14 02 03.4 7.12N 73.18W 5 2.9W,2.3L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 17 07 34 05.6–1.2 6.90N–.02 73.37W–.03 123–7 101 0-6
CATAC IX 17 07 34 06.4–.73 7N–2.0 73W–5.0 120–8 4.0b,3.6 **¶621717522**
FUNV IX 17 07 34 07.7 7.04N 73.49W 5 3.2W,3.6
RSNC IX 17 07 34 07.3–.00 7N–1.0 73W–1.0 119–2 3.5b,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC IX 17 02 54 14.2–1.4 7.08N–.03 72.15W–.05 6–12 23 1-3
RSNC IX 17 02 54 15.0–.00 7N–5.0 72W–6.0 10–7 2.2,1.9L **¶621717521**
FUNV IX 17 02 54 19.6 7.28N 72.66W 35 2.9W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 18 21 48 24.1–.98 6.84N–.03 73.11W–.04 156–7 72 0-14
CATAC IX 18 21 48 23.3–.49 7N–4.0 73W–5.0 168–5 6.0b,5.7 **¶621717533**
RSNC IX 18 21 48 25.8–.00 7N–3.0 73W–5.0 139–6 2.9,2.5L
FUNV IX 18 21 48 29.7 7.07N 73.38W 5 2.7W,2.5L
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=11.2km s-min=7.1km az=120.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC IX 17 16 36 53.1–1.4 6.86N–.03 73.13W–.04 159–9 54 1-5
RSNC IX 17 16 36 54.8–.00 7N–3.0 73W–4.0 139–7 4.0b,2.7 **¶621717524**
FUNV IX 17 16 36 58.2 7.11N 73.21W 22 3.0W,2.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 24 08 49 25.0–1.4 6.90N–.03 73.10W–.04 156–8 66 0-6
CATAC IX 24 08 49 25.7–.61 7N–4.0 73W–5.0 149–7 3.0,3.0 **¶621717548**
RSNC IX 24 08 49 26.2–.00 7N–5.0 73W–6.0 144–7 3.4b,2.5
FUNV IX 24 08 49 29.6 7.09N 73.35W 5 2.8W,2.5
ISC Event type se.
CATAC Error ellipse: s-maj=12.4km s-min=7.8km az=60.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC IX 20 07 45 12.0–1.3 9.95N–.03 73.08W–.03 9–11 29 1-4
FUNV IX 20 07 45 12.7 9.91N 73.04W 7 3.0W **¶621717538**
RSNC IX 20 07 45 13.1–.00 10N–2.0 73W–2.0 21–4 2.3,2.1L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 24 06 06 23.7–2.1 7.25N–.08 73.10W–.06 136–14 24 0-4
RSNC IX 24 06 06 21.8–.00 7N–2.0 73W–2.0 154–2 1.9,1.8L **¶621717547**
FUNV IX 24 06 06 22.9 9.16N 72.71W 12 2.6W,1.8L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 23 09 22 00.9–.70 6.84N–.03 73.08W–.04 153–6 3.4b 83 0-150
RSNC IX 23 09 22 01.8–.00 7N–4.0 73W–4.0 140–6 4.6b,4.0b **¶621125842**
IDC IX 23 09 22 02.4–2.4 6.71N 73.22W 166–23 3.7,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=23.2km az=61.0.
ISC IX 25 01 18 57.5–.56 6.86N–.03 73.11W–.03 155–5 4.1b 150 0-150
CATAC IX 25 01 18 57.4–.63 7N–2.0 73W–5.0 147–7 5.3,5.0 **¶621109877**
FUNV IX 25 01 18 57.0 6.78N 73.08W 177 4.1W,5.0
NEIC IX 25 01 18 57.8–1.4 6.89N–.06 72.97W–.09 144–6 4.2b,5.0
IDC IX 25 01 18 57.6–1.7 6.77N 73.02W 158–16 3.9,3.4b
RSNC IX 25 01 18 57.8–.00 7N–3.0 73W–4.0 147–6 4.7b,4.1b
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 24 14 37 12.4–1.0 6.84N–.03 73.13W–.04 156–8 75 0-13
CATAC IX 24 14 37 12.7–.71 7N–5.0 73W–5.0 159–7 3.8,3.8 **¶625153512**
RSNC IX 24 14 37 13.4–.00 7N–1.0 73W–1.0 153–3 3.8b,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 26 06 04 05.6–.60 6.90N–.03 73.12W–.04 154–5 3.8b 130 0-150
RSNC IX 26 06 04 07.2–.00 7N–3.0 73W–4.0 143–5 4.6b,4.0b **¶621131493**
IDC IX 26 06 04 08.1–2.0 6.72N 73.07W 168–18 3.7,3.2b
FUNV IX 26 06 04 10.2 7.09N 73.41W 2 4.0W,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=14.0km az=65.0.
FUNV Event type se. Presumed earthquake.
ISC IX 29 07 44 28.0–1.3 6.89N–.03 73.07W–.04 154–9 93 0-6
CATAC IX 29 07 44 28.7–.72 7N–3.0 73W–4.0 153–8 4.0,4.0 **¶621717564**
RSNC IX 29 07 44 29.5–.00 7N–4.0 73W–4.0 145–6 4.5b,3.9b
FUNV IX 29 07 44 32.2 7.13N 73.04W 18 3.6W,3.9b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=104.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC IX 27 00 59 37.2–1.2 7.56N–.03 72.24W–.03 5–8 4.1b 153 0-153
CATAC IX 27 00 59 35.0–2.4 8N–10 72W–21 10 4.8b,4.8b **¶621140671**
NEIC IX 27 00 59 39.4–1.3 7.57N–.05 72.22W–.08 10–1 4.2b,4.8b
RSNC IX 27 00 59 39.7–.00 8N–3.0 72W–4.0 21–4 6.0,5.9
FUNV IX 27 00 59 40.5 7.57N 72.42W 6 3.5W,5.9
IDC IX 27 00 59 44.7–3.3 7.61N 72.40W 58–31 3.9,3.6b
ISC Event type se.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.8km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=24.0km s-min=17.2km az=72.0.
ISC IX 27 01 01 59.2–.98 7.52N–.02 72.43W–.03 19–2 3.5b 68 0-151
RSNC IX 27 01 01 59.0–.00 8N–3.0 72W–4.0 19–4 4.5b,3.5 **¶621140672**
IDC IX 27 01 02 04.9–6.4 7.47N 72.38W 68–53 3.6,3.3b
FUNV IX 27 01 02 05.1 7.47N 73.17W 50 3.8W,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=59.2km s-min=23.8km az=78.0.
FUNV Event type se. Presumed earthquake.
ISC IX 29 12 12 44.6–1.3 6.83N–.03 73.13W–.04 146–8 55 0-5
RSNC IX 29 12 12 44.8–.00 7N–3.0 73W–5.0 142–7 3.8b,3.0 **¶621717565**
FUNV IX 29 12 12 46.6 6.81N 73.15W 128 3.2W,3.0
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 01 01 47 08.6–1.3 6.82N–.03 73.11W–.04 151–9 72 0-7
RSNC X 01 01 47 09.4–.00 7N–3.0 73W–4.0 139–6 4.7b,4.0 **¶624380411**
FUNV X 01 01 47 10.5 6.80N 73.12W 151 3.0W,4.0
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 30 18 42 53.8–.80 6.87N–.03 73.11W–.03 148–6 3.4b 93 0-149
FUNV IX 30 18 42 52.8 6.78N 73.19W 174 3.6W **¶621147778**
CATAC IX 30 18 42 53.8–.85 7N–3.0 73W–6.0 154–7 3.9,3.9
RSNC IX 30 18 42 54.6–.00 7N–4.0 73W–5.0 139–6 5.1b,4.5
IDC IX 30 18 42 57.2–3.2 6.67N 73.41W 178–27 3.6,3.1b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=12.6km s-min=6.6km az=82.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=58.7km s-min=30.7km az=71.0.
ISC IX 30 02 03 31.5–1.5 6.83N–.04 73.12W–.05 151–10 40 0-6
FUNV IX 30 02 03 33.6 6.26N 71.71W 29 2.6W **¶621717567**
RSNC IX 30 02 03 33.9–.00 7N–6.0 73W–5.0 130–7 3.1b,2.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 01 02 44 21.7–.93 6.83N–.03 73.13W–.04 157–7 90 0-150
FUNV X 01 02 44 22.2 6.77N 73.13W 175 3.6W **¶621147803**
RSNC X 01 02 44 22.4–.00 7N–3.0 73W–4.0 145–6 4.8b,4.1
UPA X 01 02 44 24.9–2.1 6.99N 73.18W 107–51 4.3,4.1
IDC X 01 02 44 27.0–2.5 6.68N 74.65W 170–110 3.9,3.4b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
UPA Event type se. Error ellipse: s-maj=11.5km s-min=18.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=716.2km s-min=36.0km az=88.0.
ISC X 01 12 59 02.7–1.4 6.88N–.03 73.09W–.04 152–9 48 0-5
RSNC X 01 12 59 03.9–.00 7N–5.0 73W–5.0 140–9 3.4b,3.1 **¶624380412**
FUNV X 01 12 59 07.9 7.06N 73.19W 18 3.0W,3.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 02 20 45 06.9–1.3 6.87N–.03 73.11W–.04 149–9 64 0-6
RSNC X 02 20 45 07.4–.00 7N–3.0 73W–4.0 145–6 4.5b,3.7 **¶624380415**
FUNV X 02 20 45 12.7 7.04N 73.35W 28 3.2W,3.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 03 06 03 43.4–1.3 6.86N–.03 73.10W–.04 147–9 62 0-6
RSNC X 03 06 03 44.0–.00 7N–3.0 73W–5.0 140–6 3.3b,2.8 **¶624380417**
FUNV X 03 06 03 46.3 6.89N 73.08W 132 2.9W,2.8
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 02 20 13 26.9–1.6 6.83N–.05 73.13W–.04 148–12 27 0-4
FUNV X 02 20 13 28.2 6.83N 73.15W 149 2.8W **¶624380414**
RSNC X 02 20 13 28.4–.00 7N–7.0 73W–5.0 133–8 2.1,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 09 02 53 44.5–1.3 6.86N–.03 73.11W–.04 158–10 85 1-6
RSNC X 09 02 53 45.5–.00 7N–3.0 73W–4.0 146–7 4.6b,3.8 **¶624380439**
CATAC X 09 02 53 46.4–.64 7N–3.0 73W–4.0 147–7 3.5,3.5
FUNV X 09 02 53 47.3 6.90N 73.16W 145 3.4W,3.5
ISC Event type se.
CATAC Error ellipse: s-maj=9.2km s-min=5.4km az=104.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC X 04 07 00 37.7–1.3 6.82N–.03 73.14W–.04 155–8 66 0-6
FUNV X 04 07 00 36.5 6.55N 72.54W 184 3.1W **¶624380420**
RSNC X 04 07 00 38.0–.00 7N–3.0 73W–4.0 145–6 5.0,4.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 05 07 33 00.6–1.9 10.61N–.04 73.51W–.03 2–16 23 1-4
RSNC X 05 07 33 02.6–.00 11N–1.0 74W–1.0 12–4 2.2,1.9L **¶624380422**
FUNV X 05 07 33 03.4 10.58N 73.49W 5 3.1W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 05 19 37 46.9–.46 6.84N–.03 73.07W–.03 154–4 4.7b 399 0-159
RSNC X 05 19 37 47.3–.00 7N–3.0 73W–3.0 154–5 5.5b,5.5b **¶621125947**
NEIC X 05 19 37 47.9–2.4 6.90N–.04 72.97W–.07 150–4 4.7b,5.5b
CATAC X 05 19 37 47.1–.63 7N–3.0 73W–5.0 156–6 5.2,4.7
IDC X 05 19 37 48.5–1.3 6.74N 72.98W 167–12 4.6,4.1b
FUNV X 05 19 37 48.0 6.78N 73.14W 166 5.0W,4.1b
GFZ X 05 19 37 48.2–.52 7N–3.0 73W–4.0 159–6 5.4b,5.0b
UPA X 05 19 39 10.6–.30 7.43N 79.29W 10 2.3W,5.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=10.9km s-min=5.2km az=100.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=13.9km s-min=9.5km az=66.0.
FUNV Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
UPA Event type se. Error ellipse: s-maj=7.7km s-min=4.3km az=-1.0. Presumed earthquake.
ISC X 06 17 34 31.2–.82 9.95N–.03 73.59W–.03 10 27 1-5
FUNV X 06 17 34 31.1 10.08N 73.59W 2 3.3W **¶624380429**
RSNC X 06 17 34 31.3–.00 10N–5.0 74W–5.0 21–8 3.3b,2.2L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 03 03 39 39.0–.77 6.87N–.05 73.08W–.06 166 3.6b 26 1-150
IDC X 03 03 39 39.4–2.7 6.73N 73.00W 168–22 3.7,3.3b **¶621186108**
FUNV X 03 03 39 39.0 6.79N 73.25W 163 3.8W,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=23.9km az=89.0.
FUNV Event type se. Presumed earthquake.
ISC X 04 02 55 53.2–1.3 6.84N–.03 73.09W–.04 157–8 88 0-7
RSNC X 04 02 55 54.4–.00 7N–3.0 73W–4.0 144–5 4.6b,3.9 **¶624380419**
FUNV X 04 02 55 55.0 6.83N 73.14W 158 3.7W,3.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 06 06 37 40.0–1.3 6.86N–.03 73.11W–.04 157–9 73 0-7
FUNV X 06 06 37 41.5 6.83N 73.14W 156 3.6W **¶624380426**
RSNC X 06 06 37 41.2–.00 7N–3.0 73W–4.0 143–6 4.5b,3.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 06 06 44 42.7–1.3 6.84N–.03 73.13W–.04 159–9 73 0-7
FUNV X 06 06 44 43.6 6.78N 73.10W 168 3.7W **¶624380427**
RSNC X 06 06 44 43.8–.00 7N–3.0 73W–4.0 144–6 4.4b,3.7b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 07 09 02 07.0–1.4 6.84N–.03 73.11W–.04 155–9 60 0-7
CATAC X 07 09 02 04.7–.74 7N–4.0 73W–8.0 10 4.3b,3.6 **¶625154184**
RSNC X 07 09 02 07.5–.00 7N–3.0 73W–4.0 145–6 3.4b,2.9
ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 08 21 26 47.7–1.3 6.86N–.03 73.12W–.04 162–9 81 1-6

CATAC X 08 21 26 49.6–.82 7N–5.0 73W–7.0 147–10 3.5,3.5 ¶624380437
RSNC X 08 21 26 49.6–.00 7N–4.0 73W–4.0 143–7 4.8b,4.0
FUNV X 08 21 26 51.2 6.91N 73.14W 142 3.4W,4.0
ISC Event type se.
CATAC Error ellipse: s-maj=15.2km s-min=10.2km az=89.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC X 06 03 54 26.8–1.3 6.86N–.03 73.12W–.04 156–8 71 0-7
RSNC X 06 03 54 27.2–.00 7N–4.0 73W–4.0 148–6 3.6b,3.1 ¶624380425
FUNV X 06 03 54 29.1 6.89N 73.09W 151 3.6W,3.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 10 00 09 46.2–1.7 8.74N–.03 73.04W–.05 139–16 35 1-4
RSNC X 10 00 09 46.6–.00 9N–1.0 73W–1.0 128–4 2.4,2.2L ¶624380443
FUNV X 10 00 09 49.6 8.48N 73.44W 5 2.7W,2.2L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 09 09 03 53.9–1.0 7.66N–.03 73.80W–.03 22–7 66 1-6
FUNV X 09 09 03 53.7 7.69N 73.79W 7 3.1W ¶624380440
RSNC X 09 09 03 56.1–.00 8N–1.0 74W–1.0 80–4 6.2b,5.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 09 04 44 36.7–1.3 6.79N–.05 73.11W–.05 162–10 27 1-10
RSNC X 09 04 44 40.2–.00 7N–5.0 73W–5.0 128–9 1.7,1.6L ¶625154328
CATAC X 09 04 44 44.8–.54 7N–4.0 73W–5.0 66–13 5.4b,4.9b
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 11 23 09 57.1–1.3 6.84N–.03 73.11W–.04 166–9 78 0-7
FUNV X 11 23 09 59.1 6.78N 73.10W 165 3.8W ¶624380451
RSNC X 11 23 09 59.2–.00 7N–3.0 73W–4.0 141–6 5.0b,4.3
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 16 03 04 08.4–1.6 8.55N–.03 73.40W–.04 134–16 36 1-5
RSNC X 16 03 04 10.0–.00 9N–2.0 73W–2.0 124–5 3.1,2.7 ¶624380466
FUNV X 16 03 04 10.9 8.52N 73.53W 23 3.1W,2.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 12 04 51 46.6–.34 6.84N–.03 73.08W–.03 153–3 4.9b 425 0-154
IDC X 12 04 51 47.0–1.0 6.80N 72.93W 156–10 4.5,4.0b ¶621146152
RSNC X 12 04 51 46.3–.00 7N–3.0 73W–4.0 156–5 5.5b,5.0
VAO X 12 04 51 46.5–.46 6.81N 73.02W 147–2 5.0b,5.0
CATAC X 12 04 51 46.5–.64 7N–4.0 73W–5.0 159–6 5.3,4.8
NEIC X 12 04 51 47.7–2.0 6.82N–.07 72.99W–.07 152–5 5.0b,4.8
GFZ X 12 04 51 47.8–.49 7N–4.0 73W–3.0 155–5 6.1,6.1
FUNV X 12 04 51 48.0 6.82N 73.14W 161 5.0W,6.1
ISC Event type se.
IDC Error ellipse: s-maj=12.6km s-min=9.1km az=70.0.
VAO Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=-1.0. Presumed earthquake.
CATAC Error ellipse: s-maj=10.5km s-min=7.7km az=107.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.3km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
FUNV Event type se. Presumed earthquake.
ISC X 13 04 20 07.3–1.3 6.87N–.03 73.32W–.03 127–10 56 1-6
RSNC X 13 04 20 08.0–.00 7N–1.0 73W–1.0 124–3 3.0,2.6 ¶624380456
FUNV X 13 04 20 08.4 6.79N 73.26W 136 3.1W,2.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 19 15 16 44.6–1.4 6.69N–.03 73.18W–.03 34–2 42 0-4
RSNC X 19 15 16 41.1–.00 7N–4.0 73W–4.0 46–5 2.1L ¶624380480
FUNV X 19 15 16 42.7 6.69N 73.09W 1 2.9W
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 17 00 26 42.0–.73 6.84N–.03 73.11W–.04 155–6 3.3b 105 0-150
RSNC X 17 00 26 41.8–.00 7N–3.0 73W–4.0 144–6 5.1b,4.4 ¶621242857
FUNV X 17 00 26 42.9 6.79N 73.10W 160 3.9W,4.4
IDC X 17 00 26 44.6–5.3 6.67N 73.23W 171–37 3.5,2.9b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=83.5km s-min=24.0km az=67.0.
ISC X 17 15 51 35.8–.62 6.32N–.02 73.51W–.03 126–5 4.5b 146 0-150
CATAC X 17 15 51 35.6–.83 6N–3.0 74W–4.0 116–9 3.6,3.6 ¶621242890
NEIC X 17 15 51 36.0–1.1 6.36N–.05 73.49W–.06 119–6 4.5b,3.6
FUNV X 17 15 51 36.0 6.26N 73.53W 128 3.9W,3.6
IDC X 17 15 51 36.8–4.8 6.29N 73.67W 141–26 4.0,3.7s
RSNC X 17 15 51 37.0–.00 6N–1.0 74W–1.0 119–2 4.7b,4.2b
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
ISC X 18 06 28 36.9–1.4 6.89N–.03 73.11W–.04 157–9 62 0-7
FUNV X 18 06 28 38.1 6.87N 73.14W 155 3.5W ¶624380474
RSNC X 18 06 28 38.4–.00 7N–1.0 73W–1.0 151–2 3.0b,2.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 18 23 00 19.5–1.5 10.21N–.04 73.09W–.04 142–12 50 1-7
FUNV X 18 23 00 21.3 10.24N 73.11W 142 3.1W ¶624380476
RSNC X 18 23 00 21.0–.00 10N–1.0 73W–1.0 125–3 6.6b,6.4
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 18 17 30 42.0–1.4 9.85N–.04 73.56W–.04 14–12 35 1-6
RSNC X 18 17 30 42.8–.00 10N–2.0 74W–2.0 0–6 3.7b,2.5 ¶624380475
FUNV X 18 17 30 43.3 9.92N 73.57W 5 3.3W,2.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 21 05 48 11.6–1.7 6.84N–.04 73.09W–.05 162–11 40 0-4
RSNC X 21 05 48 13.7–.00 7N–7.0 73W–5.0 143–8 2.0,1.8L ¶624380489
FUNV X 21 05 48 17.4 7.03N 73.37W 8 2.5W,1.8L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 20 00 55 58.0–1.6 6.85N–.04 73.10W–.05 158–10 48 0-4
FUNV X 20 00 55 57.8 7.29N 73.96W 68 2.8W ¶624380484
RSNC X 20 00 56 01.3–.00 7N–4.0 73W–4.0 125–8 2.2,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 23 22 31 32.1–1.5 10.52N–.04 73.47W–.03 5–13 18 1-3
RSNC X 23 22 31 32.7–.00 11N–4.0 74W–4.0 4–12 1.8,1.7L ¶624380497
FUNV X 23 22 31 36.7 10.33N 73.40W 25 3.0W,1.7L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 22 07 08 36.8–1.4 6.85N–.03 73.11W–.04 154–9 74 0-7
RSNC X 22 07 08 37.4–.00 7N–3.0 73W–4.0 143–6 5.1b,4.5 ¶625155024
CATAC X 22 07 08 38.8–.87 7N–5.0 73W–7.0 131–13 5.3b,4.8
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. confirmed.
ISC X 24 05 24 26.7–1.8 7.95N–.04 73.20W–.06 143–13 26 0-3
RSNC X 24 05 24 28.5–.00 8N–5.0 73W–7.0 123–10 1.7,1.7L ¶624380498
FUNV X 24 05 24 31.0 7.82N 73.47W 15 2.6W,1.7L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 25 02 27 42.2–1.3 6.86N–.03 73.15W–.04 159–9 82 0-7
FUNV X 25 02 27 43.6 6.82N 73.13W 166 3.7W ¶624380503
RSNC X 25 02 27 43.7–.00 7N–3.0 73W–4.0 143–6 6.0b,5.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC X 24 10 43 15.5–.00 7N–6.0 73W–5.0 136–8 2.0,1.8L ¶635681021
ISC X 26 09 10 51.1–1.3 6.84N–.03 73.11W–.04 153–10 65 1-7
FUNV X 26 09 10 52.3 6.79N 73.07W 155 3.2W ¶624380509
RSNC X 26 09 10 52.4–.00 7N–3.0 73W–4.0 136–7 5.1b,4.4
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 24 18 11 31.4–1.3 6.84N–.03 73.08W–.04 163–8 70 0-7
FUNV X 24 18 11 32.7 6.78N 73.04W 172 3.8W ¶624380501
RSNC X 24 18 11 33.6–.00 7N–4.0 73W–4.0 136–8 4.4b,3.9b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 25 14 22 29.6–.82 6.86N–.03 73.09W–.04 157–6 85 0-150
RSNC X 25 14 22 30.6–.00 7N–3.0 73W–4.0 146–5 4.9b,4.2 ¶621366436
FUNV X 25 14 22 32.8 6.98N 73.05W 127 3.7W,4.2
IDC X 25 14 22 33.3–5.6 6.63N 73.29W 179–35 3.3,2.7b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=99.2km s-min=33.7km az=75.0.
ISC X 29 05 50 58.2–.63 6.84N–.03 73.12W–.04 155–6 145 1-150
NEIC X 29 05 50 59.9–1.1 6.95N–.08 73.06W–.04 135–14 4.3b ¶621243373
RSNC X 29 05 50 59.5–.00 7N–3.0 73W–4.0 142–6 5.0b,4.3
FUNV X 29 05 51 00.7 6.83N 73.13W 149 4.0W,4.3
IDC X 29 05 51 02.0–6.5 6.56N 73.08W 175–47 3.8,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=4.1km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=356.8km s-min=85.3km az=129.0.
ISC X 26 05 58 59.0–1.3 10.25N–.04 73.05W–.04 143–11 60 1-10
RSNC X 26 05 59 00.3–.00 10N–1.0 73W–1.0 131–4 4.9b,4.9 ¶624380506
FUNV X 26 05 59 01.0 10.30N 73.06W 140 3.5W,4.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 26 17 32 17.2–.60 6.86N–.03 73.12W–.03 151–6 4.5b 160 1-150
NEIC X 26 17 32 17.5–1.8 6.94N–.06 73.09W–.09 143–7 4.6b ¶621366485
FUNV X 26 17 32 17.8 6.78N 73.13W 165 4.1W
RSNC X 26 17 32 17.1–.00 7N–2.0 73W–4.0 150–6 4.9b,4.5b
IDC X 26 17 32 19.0–2.4 6.67N 73.09W 174–18 4.0,3.6s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.2km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=41.4km s-min=20.7km az=86.0.
ISC X 26 14 29 34.2–1.3 8.92N–.03 73.56W–.04 17–12 44 1-5
FUNV X 26 14 29 32.6 8.94N 73.54W 4 2.7W ¶624380510
RSNC X 26 14 29 41.3–.00 9N–2.0 74W–2.0 81–8 3.3b,2.3
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 26 08 01 06.3–1.2 6.06N–.03 72.50W–.03 7–11 52 1-6
RSNC X 26 08 01 06.7–.00 6N–3.0 73W–7.0 17–11 4.7b,3.9 ¶624380508
FUNV X 26 08 01 08.3 5.97N 72.50W 5 2.9W,3.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 28 04 39 40.2–1.3 6.84N–.03 73.12W–.03 163–9 97 1-7
CATAC X 28 04 39 38.1–.58 7N–2.0 73W–4.0 133–8 4.3b,4.1 ¶624380514
RSNC X 28 04 39 41.4–.00 7N–3.0 73W–4.0 145–6 4.8b,4.0
FUNV X 28 04 39 42.0 6.78N 73.11W 166 3.3W,4.0
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=9.1km s-min=5.1km az=98.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC X 28 04 54 31.8–1.3 6.84N–.03 73.09W–.04 160–10 93 1-8
FUNV X 28 04 54 33.5 6.76N 73.11W 164 3.1W ¶624380515
RSNC X 28 04 54 33.3–.00 7N–3.0 73W–4.0 143–6 4.6b,3.8
CATAC X 28 04 54 34.7–.90 7N–5.0 73W–7.0 126–17 3.9,3.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 30 14 48 09.0–.73 6.85N–.03 73.13W–.03 160–6 134 1-150
CATAC X 30 14 48 09.1–.59 7N–3.0 73W–4.0 159–6 4.5b,4.2b ¶621395179
RSNC X 30 14 48 09.5–.00 7N–3.0 73W–4.0 149–6 4.8b,4.4b
FUNV X 30 14 48 10.8 6.82N 73.13W 160 4.2W,4.4b
IDC X 30 14 48 11.1–2.6 6.64N 73.02W 170–22 4.1,3.5b
ISC Event type se.
CATAC Error ellipse: s-maj=9.1km s-min=5.2km az=101.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=43.0km s-min=26.4km az=85.0.
RSNC X 29 20 32 16.9–.00 7N–5.0 73W–4.0 132–8 5.2,4.9 ¶635681304
ISC X 29 17 22 29.8–1.0 7.32N–.02 74.89W–.03 32–9 55 0-5
RSNC X 29 17 22 28.2–.00 7N–3.0 75W–4.0 52–11 3.8b,3.4 ¶625155385
CATAC X 29 17 22 29.8–.47 7N–2.0 75W–4.0 27–4 3.7b,3.5
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 29 17 31 20.0–1.4 9.87N–.04 73.53W–.03 7–12 23 1-4
RSNC X 29 17 31 19.8–.00 10N–2.0 73W–2.0 0–6 2.8,2.3 ¶624380521
FUNV X 29 17 31 21.2 9.75N 73.59W 5 3.0W,2.3
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 01 22 21 25.4–.94 6.84N–.03 73.13W–.04 158–8 90 1-150
FUNV XI 01 22 21 26.5 6.79N 73.15W 169 3.4W ¶624380530
RSNC XI 01 22 21 26.2–.00 7N–3.0 73W–4.0 144–6 4.7b,3.9
IDC XI 01 22 21 33.8–6.0 4.89N 76.23W 144–73 3.0,2.6b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=125.7km s-min=45.2km az=49.0.
RSNC XI 01 14 06 15.5–.00 7N–4.0 73W–5.0 136–8 2.5,2.1 ¶635750342
ISC XI 02 21 14 31.4–1.3 6.86N–.03 73.10W–.04 158–10 78 1-6
RSNC XI 02 21 14 33.0–.00 7N–3.0 73W–4.0 141–6 4.6b,3.8b ¶624380536
FUNV XI 02 21 14 36.6 6.99N 73.12W 118 3.2W,3.8b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 02 02 42 33.0–1.1 10.59N–.04 73.51W–.03 27–14 18 1-3
FUNV XI 02 02 42 33.1 10.52N 73.53W 10 2.8W ¶624380532
RSNC XI 02 02 42 33.0–.00 11N–2.0 74W–2.0 36–6 2.0,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 03 17 03 50.3–1.4 9.59N–.03 73.60W–.03 12–12 32 1-6
FUNV XI 03 17 03 52.9 9.63N 73.61W 2 3.2W ¶624380539
RSNC XI 03 17 03 53.1–.00 10N–2.0 74W–2.0 19–2 2.8,2.1L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 02 19 08 14.8–.71 6.89N–.03 73.12W–.03 160–6 4.0b 114 1-150
NEIC XI 02 19 08 15.3–2.2 6.96N–.06 73.02W–.08 147–13 4.0b ¶621401357
RSNC XI 02 19 08 17.0–.00 7N–3.0 73W–4.0 140–6 4.7b,4.2
FUNV XI 02 19 08 19.0 6.94N 73.13W 142 4.1W,4.2
IDC XI 02 19 08 20.0–4.1 6.43N 73.02W 181–28 4.1,3.4b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.5km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=56.8km s-min=25.2km az=39.0.
ISC XI 03 00 10 40.3–.89 6.85N–.03 73.15W–.04 159–7 86 1-150
RSNC XI 03 00 10 40.9–.00 7N–3.0 73W–4.0 143–7 4.4b,4.0b **¶621412203**
FUNV XI 03 00 10 42.9 6.89N 73.14W 154 4.0W,4.0b
IDC XI 03 00 10 42.1–6.8 6.58N 72.89W 170–60 4.6,4.0b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=900.6km s-min=85.7km az=132.0.
ISC XI 03 00 58 22.2–.93 6.84N–.03 73.15W–.04 161–7 79 1-150
CATAC XI 03 00 58 18.6–.65 6N–3.0 75W–6.0 180–7 4.9b,4.7b **¶621412206**
RSNC XI 03 00 58 23.1–.00 7N–3.0 73W–4.0 144–6 4.6b,3.9
IDC XI 03 00 58 26.7–6.5 6.52N 73.22W 182–70 4.6b,3.9
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=13.2km s-min=6.9km az=92.2. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=982.2km s-min=90.6km az=127.0.
ISC XI 04 17 36 50.7–1.2 9.74N–.03 73.47W–.03 7–12 29 1-4
FUNV XI 04 17 36 53.4 9.73N 73.42W 3 3.2W **¶624380545**
RSNC XI 04 17 36 53.0–.00 10N–3.0 74W–3.0 0–7 3.2,2.4
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 03 21 01 23.2–1.3 10.31N–.04 73.60W–.03 91–13 50 1-7
FUNV XI 03 21 01 24.6 10.26N 73.57W 21 3.3W **¶624380540**
RSNC XI 03 21 01 24.2–.00 10N–1.0 74W–1.0 78–2 5.5,5.3
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 09 01 02 20.4–.85 6.85N–.03 73.14W–.04 152–7 89 1-150
RSNC XI 09 01 02 20.7–.00 7N–3.0 73W–4.0 144–6 4.6b,4.0b **¶621423127**
FUNV XI 09 01 02 23.0 6.88N 73.10W 145 3.4W,4.0b
IDC XI 09 01 02 28.8–5.4 5.06N 76.10W 149–72 3.3,2.9b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=128.4km s-min=27.5km az=58.0.
ISC XI 08 15 59 20.0–1.5 6.84N–.04 73.12W–.04 152–10 43 1-4
RSNC XI 08 15 59 20.9–.00 7N–3.0 73W–4.0 136–7 2.4,2.1L **¶624380559**
FUNV XI 08 15 59 22.2 6.79N 73.13W 144 2.6W,2.1L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 04 15 51 44.6–1.5 6.83N–.04 73.48W–.04 101–13 36 1-5
FUNV XI 04 15 51 45.8 6.97N 73.47W 10 2.9W **¶624380542**
RSNC XI 04 15 51 45.8–.00 7N–1.0 74W–1.0 100–3 3.5b,2.2
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 05 19 38 14.7–1.1 7.47N–.02 74.62W–.03 49–8 76 0-6
RSNC XI 05 19 38 12.6–.00 7N–2.0 75W–3.0 59–7 5.1b,4.4 **¶625155802**
CATAC XI 05 19 38 16.0–.50 8N–3.0 75W–4.0 30–4 3.5,3.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 09 15 17 15.2–.57 6.87N–.03 73.06W–.03 150–6 4.2b 207 1-150
CATAC XI 09 15 17 15.8–.95 7N–6.0 73W–6.0 153–6 4.9b,4.9b **¶621385504**
NEIC XI 09 15 17 15.5–1.1 6.92N–.06 72.99W–.08 141–6 4.3b,4.9b
RSNC XI 09 15 17 15.3–.00 7N–3.0 73W–4.0 146–6 4.9b,4.6b
IDC XI 09 15 17 16.9–1.9 6.71N 73.08W 173–16 4.1,3.6b
FUNV XI 09 15 17 18.9 7.01N 73.15W 121 4.1W,3.6b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=13.5km s-min=11.6km az=49.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.1km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.1km s-min=14.8km az=76.0.
FUNV Event type se. Presumed earthquake.
ISC XI 09 16 40 29.9–1.3 6.84N–.03 73.09W–.04 149–9 75 1-6
RSNC XI 09 16 40 31.1–.00 7N–3.0 73W–4.0 136–6 4.6b,3.9 **¶624380567**
FUNV XI 09 16 40 33.8 6.91N 73.10W 120 3.5W,3.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 10 20 45 51.5–1.6 6.86N–.03 73.14W–.05 149–11 42 1-4
RSNC XI 10 20 45 53.0–.00 7N–4.0 73W–4.0 130–8 2.4,2.1L **¶624380573**
FUNV XI 10 20 45 55.5 7.03N 73.43W 5 2.7W,2.1L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 10 17 28 43.8–.93 9.65N–.04 73.59W–.03 19 17 1-6
FUNV XI 10 17 28 43.0 11.04N 73.54W 22 3.6W **¶624380572**
RSNC XI 10 17 28 44.0–.00 10N–14 73W–14 0–28 2.4L,2.4
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 11 02 03 31.8–1.6 6.84N–.04 73.14W–.04 149–10 40 0-5
RSNC XI 11 02 03 33.6–.00 7N–5.0 73W–4.0 133–7 2.1,1.9L **¶624380575**
FUNV XI 11 02 03 36.0 7.01N 73.36W 5 2.7W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC XI 12 17 40 53.4–.00 7N–8.0 73W–8.0 134–10 1.3L
¶635751169
ISC XI 11 10 37 33.7–1.4 6.87N–.03 73.16W–.04 158–8 62 0-7
RSNC XI 11 10 37 34.8–.00 7N–3.0 73W–5.0 143–6 3.4b,2.8 **¶624380576**
FUNV XI 11 10 37 38.5 7.04N 73.42W 3 3.0W,2.8
CATAC XI 11 10 37 39.4–.76 7N–5.0 73W–7.0 91–17 5.4b,4.8
ISC Event type se.
FUNV Event type se. Presumed earthquake.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 12 19 21 12.8–1.6 6.85N–.04 73.18W–.05 134–11 36 0-4
FUNV XI 12 19 21 13.8 7.06N 73.47W 5 2.9W **¶624380579**
RSNC XI 12 19 21 13.0–.00 7N–5.0 73W–4.0 128–7 2.1,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 13 06 23 45.1–1.5 6.87N–.04 73.13W–.04 150–9 42 0-4
RSNC XI 13 06 23 46.0–.00 7N–5.0 73W–5.0 139–7 2.2,2.0L **¶624380581**
FUNV XI 13 06 23 48.8 7.04N 73.40W 2 3.4W,2.0L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 16 15 16 22.4–1.6 9.59N–.04 73.83W–.05 107–15 26 0-6
FUNV XI 16 15 16 23.7 9.68N 73.85W 10 2.9W **¶624380601**
RSNC XI 16 15 16 24.0–.00 10N–1.0 74W–1.0 93–2 2.0,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 13 12 44 19.9–.94 6.86N–.03 73.14W–.04 152–6 70 0-150
RSNC XI 13 12 44 20.9–.00 7N–3.0 73W–4.0 142–5 3.7b,3.4 **¶624380583**
FUNV XI 13 12 44 25.4 7.08N 73.29W 15 3.5W,3.4
IDC XI 13 12 44 27.6–6.1 5.15N 76.25W 136–74 2.9,2.6b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=136.9km s-min=38.6km az=49.0.
ISC XI 13 13 51 30.0–1.4 6.84N–.03 73.11W–.04 156–8 77 0-7
CATAC XI 13 13 51 30.6–.69 7N–3.0 73W–5.0 155–7 3.6,3.6 **¶624380584**
RSNC XI 13 13 51 31.0–.00 7N–3.0 73W–5.0 147–5 4.5b,3.9b
FUNV XI 13 13 51 35.3 7.04N 73.41W 5 3.2W,3.9b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=10.3km s-min=6.5km az=93.0. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC XI 15 07 23 27.8–.51 6.77N–.03 71.55W–.03 28–3 4.2b 165 0-150
NEIC XI 15 07 23 26.0–1.5 6.76N–.04 71.64W–.06 10–1 4.3b **¶621475610**
IDC XI 15 07 23 29.0–.78 6.85N 71.61W 30–5 4.0,3.8s
RSNC XI 15 07 23 29.2–.00 7N–1.0 72W–1.0 30–2 5.0b,4.4b
FUNV XI 15 07 23 30.3 6.79N 71.66W 16 4.1W,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.4km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.2km s-min=12.8km az=124.0.
FUNV Event type se. Presumed earthquake.
ISC XI 14 13 35 29.8–1.5 6.83N–.03 73.13W–.04 155–9 50 0-5
RSNC XI 14 13 35 31.0–.00 7N–3.0 73W–4.0 139–6 2.5,2.3L **¶624380594**
FUNV XI 14 13 35 35.6 7.03N 73.37W 5 2.6W,2.3L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 17 17 30 21.4–.94 9.73N–.04 73.53W–.04 19 14 1-3
RSNC XI 17 17 30 20.1–.00 10N–3.0 74W–3.0 0–5 2.4,2.4L **¶624380606**
FUNV XI 17 17 30 23.6 9.68N 73.56W 5 3.1W,2.4L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 17 08 07 57.7–.93 6.81N–.03 73.12W–.04 147–7 69 0-150
RSNC XI 17 08 07 58.0–.00 7N–3.0 73W–4.0 140–5 4.6b,3.8b **¶621494198**
IDC XI 17 08 08 03.3–6.9 4.78N 76.50W 112–75 3.4,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=105.5km s-min=39.2km az=42.0.
ISC XI 18 14 01 01.9–1.1 6.60N–.03 73.59W–.03 12–10 33 0-5
FUNV XI 18 14 01 04.7 6.40N 73.64W 34 2.8W **¶624380618**
RSNC XI 18 14 01 04.0–.00 7N–1.0 74W–1.0 12–3 2.7,2.4
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 21 23 17 04.3–1.1 9.53N–.03 73.82W–.03 22–6 56 1-7
RSNC XI 21 23 17 03.9–.00 9N–1.0 74W–1.0 24–2 6.5b,6.2 **¶624380634**
FUNV XI 21 23 17 04.7 9.69N 73.86W 5 3.1W,6.2
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 18 18 11 40.0–1.2 6.97N–.02 72.02W–.03 5–10 60 1-6
RSNC XI 18 18 11 40.6–.00 7N–3.0 72W–4.0 22–4 2.9,2.7L **¶624380620**
FUNV XI 18 18 11 41.5 6.90N 72.08W 1 3.6W,2.7L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 21 01 11 18.2–1.5 6.84N–.04 73.10W–.04 161–9 45 0-5
RSNC XI 21 01 11 20.0–.00 7N–5.0 73W–5.0 141–6 3.8b,2.6 **¶624380628**
FUNV XI 21 01 11 27.1 7.01N 73.22W 5 2.4W,2.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 21 10 54 26.3–1.4 7.87N–.03 72.07W–.04 4–10 36 0-5
FUNV XI 21 10 54 28.2 7.88N 72.12W 5 2.9W **¶624380633**
RSNC XI 21 10 54 29.0–.00 8N–3.0 72W–7.0 31–6 3.4b,2.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 22 11 35 54.8–1.4 8.03N–.03 73.33W–.03 1–11 55 1-7
FUNV XI 22 11 35 56.5 8.06N 73.26W 4 3.0W **¶624380637**
RSNC XI 22 11 35 56.6–.00 8N–1.0 73W–1.0 1–2 3.5b,2.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC XI 24 05 25 47.7–.00 7N–6.0 73W–6.0 136–8 2.0,1.8L
¶635752190
ISC XI 26 03 20 30.2–.40 6.84N–.03 73.05W–.04 163–3 4.2b 246 0-150
NEIC XI 26 03 20 30.2–2.4 6.85N–.07 73.00W–.08 152–4 4.4b **¶621469751**
FUNV XI 26 03 20 30.9 6.82N 73.09W 169 4.5W
IDC XI 26 03 20 30.3–.61 6.70N 73.04W 163–5 4.1,3.7b
RSNC XI 26 03 20 31.4–.00 7N–1.0 73W–1.0 151–2 4.9b,4.5b
VAO XI 26 03 20 34.2–1.2 6.61N 73.02W 193 4.3b,4.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.6km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=12.4km s-min=8.2km az=92.0.
VAO Event type se. Error ellipse: s-maj=13.9km s-min=9.0km az=-1.0. Presumed earthquake.
ISC XI 24 03 48 40.8–1.4 7.52N–.03 72.08W–.04 2–11 57 0-7
FUNV XI 24 03 48 43.6 7.56N 72.16W 5 3.3W **¶624380642**
RSNC XI 24 03 48 43.1–.00 8N–1.0 72W–1.0 0–2 3.7b,2.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 25 17 26 18.7–.98 9.72N–.04 73.57W–.04 19 19 1-6
RSNC XI 25 17 26 17.2–.00 10N–5.0 73W–5.0 0–10 2.3,2.2L **¶624380649**
FUNV XI 25 17 26 18.5 9.69N 73.56W 2 3.5W,2.2L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 24 21 51 02.2–1.4 9.68N–.04 73.03W–.04 7–14 17 1-2
RSNC XI 24 21 51 04.7–.00 10N–1.0 73W–1.0 4–2 2.0,2.0L **¶624380644**
FUNV XI 24 21 51 04.3 9.48N 72.95W 8 3.0W,2.0L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 26 12 12 08.1–.78 7.37N–.03 75.24W–.04 58–8 4.3b,3.4s 204 0-154
GFZ XI 26 12 12 08.0–.50 7N–3.0 75W–5.0 54–5 4.7L,4.5b **¶621475701**
RSNC XI 26 12 12 07.9–.00 7N–1.0 75W–1.0 4–3 5.0b,4.9b
NEIC XI 26 12 12 08.7–1.1 7.34N–.06 75.28W–.07 65–10 4.3b,4.9b
IDC XI 26 12 12 10.9–1.8 7.45N 75.20W 79–17 4.2,3.8b
ISC Event type se.
GFZ Error ellipse: s-maj=11.3km s-min=5.5km az=76.0. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.9km az=59.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=11.7km az=60.0.
ISC XII 03 02 24 11.8–1.6 6.86N–.04 73.10W–.05 145–10 38 0-4
RSNC XII 03 02 24 12.9–.00 7N–1.0 73W–1.0 142–2 2.1,1.9L **¶624380699**
FUNV XII 03 02 24 16.0 7.02N 73.35W 5 2.6W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 26 20 00 23.8–1.4 6.85N–.03 73.10W–.04 152–8 50 0-5
RSNC XI 26 20 00 25.1–.00 7N–2.0 73W–2.0 148–3 2.5,2.2L **¶624380658**
FUNV XI 26 20 00 26.9 7.00N 73.46W 2 2.3W,2.2L
CATAC XI 26 20 00 27.0–1.1 7N–3.0 73W–9.0 124–11 2.9,2.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 28 09 42 15.2–1.4 7.49N–.03 76.92W–.03 25–11 4.7b 127 1-147
IDC XI 28 09 42 11.2–1.2 7.40N 77.35W 0 3.9b,3.9 **¶621480607**
RSNC XI 28 09 42 13.6–.00 7N–4.0 77W–4.0 46–12 4.7b,4.2b
NEIC XI 28 09 42 16.0–1.6 7.52N–.05 76.92W–.07 28–8 4.7b,4.2b
CATAC XI 28 09 42 17.1–1.0 8N–3.0 77W–2.0 29–9 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 29 00 17 40.1–1.4 6.86N–.03 73.15W–.04 156–9 40 0-5
RSNC XI 29 00 17 41.2–.00 7N–4.0 73W–5.0 144–6 3.4b,2.1 **¶624380667**
FUNV XI 29 00 17 43.6 6.84N 73.42W 8 2.7W,2.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC XI 30 10 56 33.0–.00 7N–3.0 73W–5.0 144–5 5.1,4.8
¶635752630
ISC XI 30 11 14 28.7–1.0 6.84N–.03 73.11W–.04 155–7 72 0-150
IDC XI 30 11 14 18.1–2.6 6.31N 76.73W 0 **¶624380688**
RSNC XI 30 11 14 29.7–.00 7N–3.0 73W–5.0 145–5 5.7,5.6
FUNV XI 30 11 14 30.0 6.81N 73.05W 166 3.6W,5.6

ISC Event type se.
IDC Error ellipse: s-maj=117.7km s-min=27.0km az=23.0.
FUNV Event type se. Presumed earthquake.
ISC XII 05 06 40 00.7–1.3 10.24N–.06 73.66W–.04 25–15 17 1-4
FUNV XII 05 06 39 57.7 10.04N 73.61W 135 3.2W **¶624380708**
RSNC XII 05 06 40 00.7–.00 10N–1.0 74W–1.0 44–3 2.1,2.0L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 04 22 53 32.5–1.9 6.84N–.05 73.13W–.06 150–13 28 0-4
RSNC XII 04 22 53 33.6–.00 7N–5.0 73W–5.0 137–8 2.0,1.8L **¶624380705**
FUNV XII 04 22 53 37.7 7.02N 73.37W 15 3.8W,1.8L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 05 11 55 05.1–1.6 6.89N–.04 73.07W–.05 155–10 42 0-4
RSNC XII 05 11 55 07.3–.00 7N–4.0 73W–4.0 140–6 2.2,2.0L **¶624380715**
FUNV XII 05 11 55 09.2 7.05N 73.31W 1 2.8W,2.0L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 05 05 23 30.7–1.4 7.13N–.03 72.08W–.04 5–11 47 1-6
FUNV XII 05 05 23 32.6 7.10N 72.17W 5 3.1W **¶624380707**
RSNC XII 05 05 23 32.4–.00 7N–3.0 72W–3.0 23–4 2.4,2.1L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 07 06 20 49.0–1.4 6.88N–.03 73.13W–.04 160–9 51 0-6
RSNC XII 07 06 20 50.4–.00 7N–4.0 73W–4.0 146–6 3.4b,2.5 **¶624380721**
FUNV XII 07 06 20 53.7 7.07N 73.45W 5 2.7W,2.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 06 11 45 48.5–1.6 7.58N–.04 72.81W–.04 1–12 30 0-5
RSNC XII 06 11 45 49.7–.00 7N–4.0 73W–3.0 10–4 2.5,2.1L **¶624380719**
FUNV XII 06 11 45 51.3 7.60N 72.52W 56 3.1W,2.1L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 05 08 51 52.7–1.3 7.26N–.03 73.30W–.04 119–9 55 1-5
FUNV XII 05 08 51 52.0 7.28N 73.49W 2 3.0W **¶624380714**
RSNC XII 05 08 51 53.7–.00 7N–1.0 73W–1.0 118–2 3.2b,2.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 10 18 28 31.9–1.4 8.52N–.03 73.33W–.04 133–15 55 1-6
RSNC XII 10 18 28 31.9–.00 9N–2.0 73W–2.0 148–3 5.0b,4.3 **¶624380744**
FUNV XII 10 18 28 34.4 8.55N 73.29W 17 3.7W,4.3
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 09 22 43 45.9–.98 6.86N–.03 73.09W–.04 149–7 69 0-150
RSNC XII 09 22 43 46.3–.00 7N–3.0 73W–4.0 142–5 3.5b,3.3 **¶621636597**
IDC XII 09 22 43 49.6–6.0 6.85N 73.85W 178–33 3.6,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=292.8km s-min=49.2km az=95.0.
ISC XII 09 23 14 40.1–.39 6.83N–.03 73.09W–.03 155–3 4.7b 484 0-154
FUNV XII 09 23 14 39.7 6.74N 73.18W 179 4.7W **¶621626206**
RSNC XII 09 23 14 40.3–.00 7N–3.0 73W–4.0 150–4 5.5b,5.0b
NEIC XII 09 23 14 40.3–1.7 6.82N–.06 72.95W–.07 153–6 4.8b,5.0b
IDC XII 09 23 14 40.6–.60 6.79N 72.96W 156–6 4.5,4.0b
CATAC XII 09 23 14 41.4 7N–6.0 73W–6.0 147–11 5.1,4.8b
GFZ XII 09 23 14 42.5–.61 7N–3.0 73W–5.0 173–6 5.4b,4.8
VAO XII 09 23 14 48.0–1.1 6.88N 74.20W 335 4.5b,4.8
ISC Event type se.
FUNV Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.6km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.3km s-min=8.8km az=85.0.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=12.2km s-min=10.4km az=-1.0. Presumed earthquake.
ISC XII 08 04 44 37.4–1.5 6.87N–.03 73.07W–.05 153–9 47 0-6
FUNV XII 08 04 44 35.0 6.76N 72.92W 184 3.0W **¶624380728**
RSNC XII 08 04 44 39.2–.00 7N–4.0 73W–5.0 140–6 3.0,2.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 08 13 15 31.6–1.3 7.69N–.03 73.27W–.03 140–10 62 1-7
FUNV XII 08 13 15 33.5 7.64N 73.25W 141 3.5W **¶624380733**
RSNC XII 08 13 15 33.6–.00 8N–1.0 73W–1.0 131–3 2.9,2.6L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 11 20 15 42.6–.91 6.84N–.03 73.09W–.04 160–7 83 0-150
RSNC XII 11 20 15 44.4–.00 7N–3.0 73W–4.0 145–5 3.6b,3.3 **¶624380748**
FUNV XII 11 20 15 45.3 6.80N 73.09W 162 3.8W,3.3
IDC XII 11 20 15 49.9–4.1 5.57N 76.31W 131–52 3.1,2.5b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=91.3km s-min=31.9km az=54.0.
ISC XII 11 04 28 33.6–1.3 10.70N–.04 73.46W–.03 19–4 61 1-9
FUNV XII 11 04 28 33.9 10.78N 73.45W 11 3.1W **¶624380746**
RSNC XII 11 04 28 33.8–.00 11N–1.0 74W–1.0 18–3 5.9b,5.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 13 07 55 02.7–1.5 8.27N–.03 73.58W–.04 76–28 37 1-5
RSNC XII 13 07 55 02.2–.00 8N–2.0 74W–2.0 107–6 2.2,2.0L **¶624380756**
FUNV XII 13 07 55 02.8 8.20N 73.55W 24 2.9W,2.0L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 12 17 29 31.7–1.0 9.74N–.04 73.52W–.04 19 17 1-4
RSNC XII 12 17 29 29.0–.00 10N–4.0 73W–4.0 0–35 2.0L,2.0 **¶624380753**
FUNV XII 12 17 29 32.0 9.73N 73.53W 2 3.1W,2.0
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC XII 12 02 53 39.0–.00 7N–3.0 75W–3.0 0–5 1.6,1.0L
¶635873529
ISC XII 14 21 52 45.6–1.5 6.92N–.04 73.12W–.04 155–9 48 0-4
RSNC XII 14 21 52 47.2–.00 7N–4.0 73W–4.0 140–6 2.7,2.5L **¶624380763**
FUNV XII 14 21 52 50.6 7.07N 73.38W 12 3.2W,2.5L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 13 19 37 50.9–1.3 6.84N–.03 73.12W–.04 161–8 62 0-6
RSNC XII 13 19 37 52.5–.00 7N–3.0 73W–4.0 144–5 4.7b,4.0 **¶624380759**
FUNV XII 13 19 37 53.9 6.90N 73.14W 147 3.5W,4.0
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 15 12 53 29.6–.74 6.83N–.03 73.09W–.04 151–6 3.4b 91 0-150
IDC XII 15 12 53 29.4–4.0 6.80N 72.91W 154–29 3.7,3.2b **¶621654110**
RSNC XII 15 12 53 30.1–.00 7N–3.0 73W–4.0 143–5 4.9b,4.2
FUNV XII 15 12 53 30.6 6.70N 73.04W 163 3.8W,4.2
ISC Event type se.
IDC Error ellipse: s-maj=61.7km s-min=23.0km az=84.0.
FUNV Event type se. Presumed earthquake.
ISC XII 17 10 26 26.4–.95 6.85N–.03 73.10W–.04 156–6 83 0-150
FUNV XII 17 10 26 19.6 6.68N 72.82W 217 3.6W **¶621656930**
CATAC XII 17 10 26 29.0–1.1 7N–3.0 73W–9.0 135–9 4.4b,3.7
RSNC XII 17 10 26 28.1–.00 7N–3.0 73W–4.0 141–4 5.2b,4.6
IDC XII 17 10 26 29.7–6.3 6.81N 73.43W 176–32 3.7,3.1b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=20.2km s-min=6.5km az=82.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=194.9km s-min=34.1km az=95.0.
ISC XII 17 01 21 25.5–2.0 9.92N–.06 73.40W–.05 124–17 25 1-5
FUNV XII 17 01 21 26.7 9.58N 73.55W 5 2.8W **¶624380771**
RSNC XII 17 01 21 27.8–.00 10N–1.0 73W–1.0 109–1 2.8b,2.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 19 03 38 18.4–.98 6.81N–.03 73.13W–.04 156–6 69 0-150
RSNC XII 19 03 38 19.3–.00 7N–3.0 73W–4.0 144–5 4.7b,3.9 **¶621657051**
IDC XII 19 03 38 23.4–3.4 6.74N 74.71W 169–137 3.4,2.9b
FUNV XII 19 03 38 24.3 7.01N 73.35W 5 3.3W,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=811.4km s-min=46.0km az=88.0.
FUNV Event type se. Presumed earthquake.
ISC XII 19 04 05 47.5–.76 6.80N–.03 73.08W–.04 152–5 3.4b 98 0-150
RSNC XII 19 04 05 48.2–.00 7N–3.0 73W–4.0 141–5 5.0b,4.4 **¶621657054**
IDC XII 19 04 05 49.3–3.8 6.66N 73.21W 166–25 3.7,3.2b
FUNV XII 19 04 05 50.2 6.80N 73.08W 146 4.0W,3.2b
CATAC XII 19 04 05 51.0–1.2 7N–5.0 73W–9.0 130–8 4.7b,4.3b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 20 04 20 40.1–.53 6.82N–.03 73.06W–.03 155–5 4.4b 314 0-150
VAO XII 20 04 20 29.3–.82 7.82N 73.69W 150 4.5b **¶621633827**
IDC XII 20 04 20 40.9–1.3 6.78N 72.99W 159–12 4.2,3.8b
NEIC XII 20 04 20 40.9–2.1 6.87N–.06 72.98W–.08 150–5 4.4b,3.8b
RSNC XII 20 04 20 40.8–.00 7N–3.0 73W–4.0 149–5 5.2b,4.8b
CATAC XII 20 04 20 40.5–.74 7N–4.0 73W–5.0 162–6 4.6,4.4
GFZ XII 20 04 20 42.7–.90 7N–4.0 73W–7.0 169–9 5.4b,4.9
FUNV XII 20 04 20 42.7 6.78N 73.08W 156 4.2W,4.9
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=10.1km s-min=8.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.8km s-min=10.8km az=66.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.7km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=11.8km s-min=6.8km az=54.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ Error ellipse: s-maj=15.9km s-min=6.6km az=63.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
FUNV Event type se. Presumed earthquake.
ISC XII 20 17 29 42.9–1.8 6.84N–.04 73.13W–.06 145–11 40 0-4
RSNC XII 20 17 29 43.5–.00 7N–3.0 73W–4.0 135–6 2.7,2.4 **¶624380783**
FUNV XII 20 17 29 44.8 7.08N 73.57W 17 3.0W,2.4
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 20 22 09 52.2–1.1 6.84N–.03 73.12W–.04 152–6 52 0-150
RSNC XII 20 22 09 52.9–.00 7N–1.0 73W–1.0 149–2 3.3,3.1 **¶621685647**
FUNV XII 20 22 09 52.4 6.78N 73.20W 158 3.3W,3.1
IDC XII 20 22 09 55.7–6.3 6.75N 73.76W 181–111 3.3W,3.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=1054.0km s-min=89.5km az=112.0.
ISC XII 20 14 07 45.8–1.7 6.79N–.05 73.13W–.04 138–11 32 1-4
RSNC XII 20 14 07 45.1–.00 7N–5.0 73W–4.0 136–8 2.5,2.1 **¶624380781**
FUNV XII 20 14 07 45.9 7.12N 73.76W 26 2.9W,2.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 21 10 56 29.0–.96 6.81N–.03 73.12W–.04 157–6 79 0-149
IDC XII 21 10 56 27.9–6.9 6.57N 76.45W 85–73 3.6,2.9b **¶624380792**
RSNC XII 21 10 56 29.8–.00 7N–3.0 73W–4.0 149–5 3.7b,3.3
FUNV XII 21 10 56 31.2 6.83N 73.13W 146 3.6W,3.3
ISC Event type se.
IDC Error ellipse: s-maj=88.2km s-min=42.7km az=73.0.
FUNV Event type se. Presumed earthquake.
ISC XII 21 11 16 52.4–.67 6.81N–.03 73.07W–.04 148–6 4.1b 108 0-150
RSNC XII 21 11 16 52.9–.00 7N–3.0 73W–4.0 146–5 4.8b,4.4b **¶621685682**
IDC XII 21 11 16 54.3–2.8 6.72N 73.17W 163–21 4.0,3.5b
FUNV XII 21 11 16 54.0 6.75N 73.02W 155 4.2W,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=56.4km s-min=22.8km az=93.0.
FUNV Event type se. Presumed earthquake.
RSNC XII 22 09 32 35.3–.00 7N–4.0 73W–4.0 127–8 1.6,1.3L
¶636155556
FUNV XII 25 03 11 33.7 9.68N 73.71W 53 2.4W
¶636235740
FUNV Event type se. Presumed earthquake.
ISC XII 25 03 27 26.8–.77 6.84N–.03 73.04W–.04 154–6 100 0-150
FUNV XII 25 03 27 26.0 6.62N 72.91W 178 3.8W **¶635874417**
IDC XII 25 03 27 27.9–5.0 6.76N 72.92W 162–34 3.5,2.9b
RSNC XII 25 03 27 28.0–.00 7N–3.0 73W–3.0 145–4 4.6b,4.0b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 31 22 42 24.1–.85 6.82N–.03 73.13W–.05 151–6 3.6b 46 0-149
IDC XII 31 22 42 25.6–2.9 6.65N 73.15W 179–27 3.7,3.1b **¶621726093**
RSNC XII 31 22 42 25.0–.00 7N–1.0 73W–1.0 149–1 3.6,3.3
FUNV XII 31 22 42 28.8 7.03N 73.38W 5 3.5W,3.3
ISC Event type se.
IDC Error ellipse: s-maj=64.5km s-min=37.1km az=102.0.
FUNV Event type se. Presumed earthquake.

(100) Lake Maracaibo.

ISC VII 14 06 00 32.3–2.1 9.92N–.04 71.57W–.03 2–16 45 1-8
RSNC VII 14 06 00 33.2–.90 10N–2.0 72W–3.0 7–8 5.3b,4.8 **¶621699869**
FUNV VII 14 06 00 34.2 9.87N 71.52W 4 3.3W,4.8
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 17 20 49 22.9–1.1 10.42N–.04 71.12W–.04 8 32 1-6
RSNC VII 17 20 49 23.6–.00 10N–1.0 71W–1.0 19–3 5.1b,4.5 **¶621699892**
FUNV VII 17 20 49 24.0 10.44N 71.11W 10 3.6W,4.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC VII 18 16 53 43.6–.60 10N–3.0 71W–4.0 0 2.4,2.2L
FUNV VII 18 16 53 43.7 10.40N 71.15W 6 2.8W,2.2L **¶621700410**
FUNV Event type se. Presumed earthquake.
FUNV VII 18 16 53 56.3 9.58N 71.38W 16 3.0W
¶626529419
FUNV Event type se. Presumed earthquake.
ISC VIII 20 22 38 34.3–3.4 10.44N–.04 71.12W–.04 16–25 24 1-5
RSNC VIII 20 22 38 34.8–.00 11N–8.0 71W–8.0 157–12 2.9,2.7L **¶621716778**
FUNV VIII 20 22 38 35.8 10.41N 71.12W 20 3.1W,2.7L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 22 07 23 51.8–1.3 10.40N–.05 71.13W–.05 20–10 40 1-8
RSNC VIII 22 07 23 52.0–1.9 10N–4.0 71W–8.0 31–29 4.8b,4.1 **¶621716783**
FUNV VIII 22 07 23 53.3 10.48N 71.12W 24 3.4W,4.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 22 08 01 28.0–2.6 10.60N–.06 71.10W–.04 17–18 20 1-5
FUNV VIII 22 08 01 27.0 10.45N 71.15W 10 2.6W **¶621716784**
RSNC VIII 22 08 01 28.4–.80 11N–3.0 71W–5.0 30 5.0b,4.3
ISC Event type se.
FUNV Event type se. Presumed earthquake.
FUNV IX 11 11 13 48.7 9.68N 71.73W 24 3.0W
¶621717496
FUNV Event type se. Presumed earthquake.
ISC VIII 22 08 04 48.5–2.1 10.61N–.07 71.15W–.04 32–21 18 1-4
FUNV VIII 22 08 04 45.8 10.49N 71.16W 7 2.5W **¶621716785**
RSNC VIII 22 08 04 47.0–1.0 11N–6.0 71W–7.0 137–11 3.0,2.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 31 19 24 19.9–1.6 10.72N–.05 71.50W–.03 8–13 39 1-6
RSNC VIII 31 19 24 20.9–.00 11N–2.0 72W–2.0 8–4 3.9b,3.2 **¶621717455**

FUNV VIII 31 19 24 21.4 10.75N 71.52W 9 3.6W,3.2
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 22 11 23 08.5–2.1 10.40N–.04 71.08W–.04 14–15 55 1-10
FUNV VIII 22 11 23 09.5 10.51N 71.12W 7 4.0W **¶621716786**
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 11 18 31 53.9–1.5 10.05N–.03 71.76W–.06 5–13 20 1-4
FUNV X 11 18 31 56.5 10.09N 71.74W 11 3.1W **¶624380449**
ISC Event type se.
FUNV Event type se. Presumed earthquake.

(101) Venezuela.

ISC VII 04 12 30 40.0–1.4 7.00N–.03 71.78W–.03 5–11 54 1-6
FUNV VII 04 12 30 42.8 6.95N 71.81W 5 3.1W **¶621699818**
RSNC VII 04 12 30 42.1–.00 7N–1.0 72W–1.0 0–3 2.9,2.5L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 06 00 52 57.3–1.4 10.73N–.05 70.43W–.04 67–32 50 1-8
FUNV VII 06 00 52 57.0 10.72N 70.45W 21 3.1W **¶621699830**
RSNC VII 06 00 52 58.2–.00 11N–3.0 70W–3.0 40–826 3.9b,3.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 08 07 40 42.3–1.8 9.27N–.08 69.66W–.03 3–13 19 1-5
FUNV VII 08 07 40 42.8 9.31N 69.73W 8 2.8W **¶621699839**
RSNC VII 08 07 40 48.3–1.2 9N–4.0 70W–7.0 0 3.7b,2.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 08 09 44 13.3–2.3 9.60N–.05 70.57W–.03 7–17 19 1-5
RSNC VII 08 09 44 12.7–1.0 10N–4.0 70W–7.0 68–10 3.3b,2.6 **¶621699840**
FUNV VII 08 09 44 18.9 10.13N 70.52W 28 2.7W,2.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 10 03 08 44.4–1.4 8.97N–.03 71.08W–.03 9–11 43 0-5
FUNV VII 10 03 08 45.4 8.92N 71.16W 5 2.7W **¶621699852**
RSNC VII 10 03 08 45.0–.00 9N–3.0 71W–3.0 24–5 3.3b,3.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 15 08 57 16.8–1.7 8.98N–.05 69.73W–.04 5–13 26 1-7
FUNV VII 15 08 57 19.0 9.06N 69.69W 5 3.0W **¶621699874**
RSNC VII 15 08 57 21.7–1.0 9N–7.0 70W–9.0 190–18 4.4b,3.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 16 09 26 16.4–.58 8.89N–.03 70.58W–.02 20–2 4.3b 185 0-154
IDC VII 16 09 26 12.8–.64 8.86N 70.37W 0 4.1L,3.8 **¶620832577**
NEIC VII 16 09 26 16.5–1.1 8.84N–.04 70.55W–.07 17–2 4.4b,3.8
GFZ VII 16 09 26 17.1–.25 9N–3.0 71W–6.0 17 4.5b,4.5
FUNV VII 16 09 26 18.8 8.80N 70.62W 6 4.0W,4.5
VAO VII 16 09 26 28.2–4.8 8.13N 69.96W 36–21 4.4b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=12.0km az=139.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=3.7km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=14.0km s-min=5.8km az=69.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
FUNV Event type se. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=31.1km s-min=17.3km az=-1.0. Presumed earthquake.
ISC VII 20 05 51 46.7–1.5 9.99N–.09 63.36W–.04 27–16 20 1-4
TRN VII 20 05 51 49.5 10.17N 63.09W 3 3.6 **¶621700417**
FUNV VII 20 05 51 50.7 10.53N 63.40W 35 3.2W
ISC Event type se.
TRN Venezuela.
FUNV Event type se. Presumed earthquake.
ISC VIII 01 03 00 04.1–1.1 9.11N–.04 70.97W–.03 8 41 2-7
FUNV VIII 01 03 00 06.2 9.05N 70.94W 5 2.8W **¶621700468**
RSNC VIII 01 03 00 07.4–.50 9N–2.0 71W–3.0 80 3.2b,2.8
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 27 18 50 31.9–1.3 9.63N–.03 72.84W–.04 2–12 26 1-4
RSNC VII 27 18 50 33.6–.00 10N–2.0 73W–2.0 0–5 2.1,2.0L **¶621700453**
FUNV VII 27 18 50 35.5 9.59N 72.81W 3 2.9W,2.0L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 01 10 16 39.9–.87 10.86N–.06 70.51W–.03 10 29 2-8
FUNV VIII 01 10 16 41.2 10.93N 70.49W 5 2.9W **¶621700469**
RSNC VIII 01 10 16 41.6–.70 11N–3.0 71W–4.0 0 3.6b,3.0
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 02 10 39 07.9–1.4 7.30N–.03 71.95W–.03 2–9 3.3b 66 1-152
RSNC VIII 02 10 39 09.8–.00 7N–4.0 72W–5.0 18–6 3.9b,3.3 **¶620993237**
FUNV VIII 02 10 39 10.0 7.28N 72.05W 1 3.8W,3.3
IDC VIII 02 10 39 19.2–4.2 7.31N 72.04W 93–38 3.5,3.1b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=33.9km s-min=26.9km az=63.0.
ISC VIII 22 06 38 57.1–1.5 10.46N–.05 70.96W–.04 13–12 19 2-4
FUNV VIII 22 06 38 58.1 10.46N 70.91W 5 2.2W **¶621716782**
RSNC VIII 22 06 39 03.0–1.0 11N–5.0 71W–6.0 146–11 3.2,2.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 05 07 20 37.8–3.1 9.15N–.04 70.44W–.04 12–23 33 1-7
RSNC VIII 05 07 20 37.6–.90 9N–3.0 71W–8.0 5–9 4.5b,3.7 **¶621700482**
FUNV VIII 05 07 20 42.8 9.07N 70.40W 36 3.1W,3.7
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 11 20 27 44.2–.87 9.69N–.05 69.94W–.03 7 24 1-6
FUNV VIII 11 20 27 43.2 9.79N 70.13W 5 3.4W **¶621716745**
RSNC VIII 11 20 27 45.5–.90 10N–4.0 70W–7.0 10 3.7b,2.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 01 17 01 58.5–.89 8.63N–.03 71.19W–.03 10 60 1-7
FUNV IX 01 17 01 59.0 8.64N 71.24W 1 3.5W **¶621717465**
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VIII 26 01 40 50.0–.42 9.58N–.03 69.26W–.03 13–2 5.2b,3.9s 965 0-155
TRN VIII 26 01 40 41.9 9.67N 69.46W 3 0.0,3.9s **¶621007934**
MOS VIII 26 01 40 48.8–.80 9.56N 69.38W 10 5.3b,3.9s
IDC VIII 26 01 40 48.2–.35 9.61N 69.24W 0 4.8b,4.8
CATAC VIII 26 01 40 49.8–.71 10N–4.0 69W–8.0 10 5.9,5.7b
NEIC VIII 26 01 40 50.6–1.5 9.59N–.06 69.24W–.06 10–1 5.2b,4.8
GFZ VIII 26 01 40 51.8–.19 10N–2.0 69W–3.0 10 5.2b,5.0
GCMT VIII 26 01 40 52.8–.40 9.55N–.03 69.30W–.02 19–1 4.8W,5.0
FUNV VIII 26 01 40 52.0 9.63N 69.32W 4 4.7W,5.0
BGR VIII 26 01 40 54.5 9.72N 68.67W 17–0 5.1b,5.1s
VAO VIII 26 01 40 58.4–1.3 9.02N 69.10W 35–9 5.1b,5.1s
ISC Event type ke.
TRN Venezuela.
MOS Error ellipse: s-maj=8.0km s-min=5.3km az=68.1.
IDC Error ellipse: s-maj=11.5km s-min=9.1km az=125.0.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.9km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108260140A. Moment Tensor Solution. s22,c28; s63,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.81±.14 $M_{\theta\theta}$-0.17±.09; $M_{\phi\phi}$-1.64±.09; $M_{r\theta}$0.55±.22; $M_{\theta\phi}$-0.91±.06; $M_{\phi r}$0.12±.18; Best double couple: NP1:ϕ_s191.00000°,δ42.00000°,λ68.00000°. NP2:ϕ_s40.00000°,δ52.00000°,λ109.00000°. Principal axes:
T 1.9560,Plg75.0000°,Azm8.0000°; N 0.1500,Plg15.0000°,Azm208.0000°; P -2.1050,Plg5.0000°,Azm116.0000° M_o2.03000×10^{16}
FUNV Event type se. Presumed earthquake.
BGR Event type ke.
VAO Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=-1.0. Presumed earthquake.
ISC IX 05 23 11 33.3–1.3 8.40N–.02 72.31W–.05 6–12 30 1-4
FUNV IX 05 23 11 36.5 8.42N 72.09W 5 3.2W **¶621717479**
RSNC IX 05 23 11 40.0–.00 8N–2.0 73W–2.0 0–3 2.4,2.2L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 12 11 49 31.2–1.5 9.95N–.03 70.57W–.03 16–13 43 1-6
RSNC IX 12 11 49 33.4–.60 10N–3.0 71W–5.0 151–11 3.3b,3.2 **¶621717499**
FUNV IX 12 11 49 34.7 9.84N 70.59W 30 3.5W,3.2
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC IX 11 11 13 28.9–.00 10N–2.0 73W–2.0 147–6 2.3,2.2L ¶635706674
ISC X 07 21 01 08.2–.82 9.91N–.05 63.25W–.05 95–20 52 2-16
TRN X 07 21 01 10.7 9.90N 63.06W 127 4.3 **¶624380434**
FUNV X 07 21 01 11.0 10.00N 63.26W 35 4.2W
RSNC X 07 21 01 12.7–1.0 10N–10 63W–11 273–31 5.3,5.1
VAO X 07 21 01 13.6–1.1 9.45N 62.62W 10 4.4b,5.1
ISC Event type se.
TRN Venezuela.
FUNV Event type se. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=6.0km s-min=6.2km az=-1.0. Presumed earthquake.
ISC X 02 14 11 05.9–2.1 10.94N–.07 72.08W–.06 132–15 22 1-5
RSNC X 02 14 11 07.5–.00 11N–3.0 72W–3.0 126–4 2.4,2.4L **¶624380413**
FUNV X 02 14 11 10.6 10.77N 71.70W 15 3.2W,2.4L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 25 16 39 43.4–.72 10.12N–.04 69.64W–.03 15–4 4.5b,3.6s 224 0-155
IDC IX 25 16 39 40.9–.47 10.12N 69.65W 0 4.3,4.2b **¶621110123**
VAO IX 25 16 39 42.6–.65 10.26N 69.72W 21 4.6b,4.2b
GFZ IX 25 16 39 43.9–.18 10N–3.0 70W–4.0 10 5.8b,5.3
FUNV IX 25 16 39 44.8 10.13N 69.64W 5 4.2W,5.3
NEIC IX 25 16 39 45.1–2.2 10.24N–.07 69.70W–.06 20–4 4.6b,5.3
ISC Event type se.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
FUNV Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 20 39 01.7–3.7 9.1N–.50 63.6W–.10 10 11 3-6
FUNV IX 17 20 39 06.2 9.53N 63.62W 5 3.3W **¶621717526**
ISC Event type se.
FUNV Event type se. Presumed earthquake.
FUNV IX 21 06 14 30.0 9.05N 69.89W 5 3.0W
RSNC IX 21 06 14 21.2–.70 9N–4.0 69W–5.0 137–21 3.4b,3.3 **¶621717540**
FUNV Event type se. Presumed earthquake.
ISC X 07 05 53 53.5–1.5 10.62N–.03 72.74W–.06 4–13 20 0-4
FUNV X 07 05 53 53.9 10.60N 72.73W 5 2.9W **¶624380431**
RSNC X 07 05 53 54.4–.00 11N–3.0 73W–3.0 18–6 2.0,2.0L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 18 04 07 29.2–3.3 9.05N–.05 70.62W–.04 7–24 34 2-7
RSNC X 18 04 07 29.0–.80 9N–3.0 71W–7.0 0 6.2b,5.9 **¶624380472**
FUNV X 18 04 07 32.7 8.89N 70.54W 25 3.4W,5.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 08 04 02 32.2–1.4 10.42N–.04 72.96W–.05 9–13 18 1-3
FUNV X 08 04 02 34.0 10.40N 72.92W 5 2.7W **¶624380435**
RSNC X 08 04 02 35.6–.00 10N–4.0 73W–4.0 18–5 1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 16 15 00 00.2–1.2 9.62N–.03 72.80W–.04 10–13 20 1-2
RSNC X 16 15 00 02.0–.00 10N–1.0 73W–1.0 3–4 2.1,2.0L **¶624380469**
FUNV X 16 15 00 03.8 9.59N 72.81W 5 2.8W,2.0L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 02 01 42 37.7–1.3 8.39N–.02 72.03W–.05 11–11 28 1-5
RSNC XI 02 01 42 37.2–.00 9N–4.0 72W–4.0 4–7 2.3,2.0L **¶624380531**
FUNV XI 02 01 42 41.2 8.34N 72.03W 14 2.5W,2.0L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 21 14 23 42.7–1.3 8.58N–.03 71.35W–.03 11–11 37 1-5
FUNV X 21 14 23 43.3 8.44N 71.42W 1 3.0W **¶624380491**
RSNC X 21 14 23 43.8–.00 9N–4.0 71W–4.0 17–8 2.8,2.5L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 24 12 36 55.1–1.2 7.22N–.04 71.98W–.04 14–11 19 1-5
RSNC X 24 12 36 53.2–.00 7N–3.0 72W–3.0 7–4 2.0,1.7L **¶624380499**
FUNV X 24 12 36 55.2 7.19N 72.05W 4 2.7W,1.7L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC X 30 12 56 09.1–1.3 10.33N–.04 72.86W–.03 6–12 26 0-5
FUNV X 30 12 56 11.3 10.30N 72.85W 5 3.2W **¶624380523**
RSNC X 30 12 56 11.2–.00 10N–2.0 73W–2.0 12–6 2.4,2.4L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 02 03 01 01.3–2.9 10.54N–.08 72.0W–.10 4–15 12 1-3
FUNV XI 02 03 01 01.7 10.48N 71.92W 5 2.5W **¶624380533**
RSNC XI 02 03 01 03.1–.00 11N–3.0 72W–3.0 11–6 1.8,1.7L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 20 22 34 56.9–1.8 9.15N–.05 70.93W–.04 125–26 21 2-5
RSNC XI 20 22 34 55.8–1.2 9N–7.0 71W–13 172–17 2.9b,2.3L **¶624380627**
FUNV XI 20 22 34 57.8 9.13N 70.88W 12 2.7W,2.3L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 05 13 03 00.6–1.0 9.90N–.08 63.28W–.05 9 41 2-8
TRN XI 05 13 03 06.5 9.41N 60.47W 155 3.6 **¶625962584**
FUNV XI 05 13 03 06.7 10.30N 63.30W 31 3.5W
ISC Event type se.
TRN East of Venezuela.
FUNV Event type se. Presumed earthquake.
ISC XI 07 19 15 51.9–1.0 10.45N–.04 69.65W–.04 10 46 1-8
RSNC XI 07 19 15 56.6–.00 11N–7.0 70W–8.0 45–40 4.2b,3.9 **¶624380556**
FUNV XI 07 19 15 56.5 10.32N 69.56W 11 3.0W,3.9
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 21 06 10 45.5–1.1 9.22N–.05 70.22W–.04 7 22 1-6
RSNC XI 21 06 10 44.4–.70 9N–3.0 70W–5.0 0 3.2b,2.5 **¶624380631**
FUNV XI 21 06 10 47.9 9.08N 69.96W 5 2.6W,2.5
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 21 04 05 50.3–1.0 9.32N–.05 70.20W–.04 7 23 1-6
RSNC XI 21 04 05 52.2–.90 9N–3.0 70W–8.0 0 3.3b,3.0 **¶624380630**
FUNV XI 21 04 05 54.2 9.22N 70.08W 7 2.6W,3.0
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 23 18 04 25.9–3.0 8.84N–.03 71.12W–.04 4–22 34 2-6
FUNV XI 23 18 04 28.4 8.82N 71.24W 5 3.3W **¶624380639**
RSNC XI 23 18 04 29.0–.00 9N–5.0 71W–5.0 14–8 3.5b,3.4
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XI 25 08 29 24.8–3.2 9.14N–.03 69.96W–.04 7–23 59 1-8
RSNC XI 25 08 29 26.8–.40 9N–2.0 70W–3.0 98–15 4.8b,4.1 **¶624380647**
FUNV XI 25 08 29 26.8 9.18N 69.98W 5 3.6W,4.1
ISC Event type se.

FUNV Event type se. Presumed earthquake.
ISC XII 08 07 22 13.8–3.2 10.29N–.05 70.18W–.03 6–24 28 1-7
FUNV XII 08 07 22 17.7 10.36N 70.15W 5 3.0W ¶624380729
RSNC XII 08 07 22 17.1–1.5 10N–4.0 70W–12 21–22 5.0b,4.2
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC XII 07 10 54 22.4–.00 11N–4.0 73W–4.0 22–4 3.6b,3.0
FUNV XII 07 10 54 22.3 10.52N 72.72W 4 3.5W,3.0 ¶624380723
FUNV Event type se. Presumed earthquake.
ISC XII 03 00 52 21.2–1.4 10.35N–.04 72.86W–.05 9–12 14 0-3
RSNC XII 03 00 52 20.7–.00 10N–3.0 73W–3.0 13–8 1.9,1.9L ¶624380698
FUNV XII 03 00 52 21.8 10.37N 72.82W 5 2.9W,1.9L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 17 19 04 02.9–.84 9.85N–.05 70.89W–.03 10 15 2-5
RSNC XII 17 19 04 05.6–.00 11N–8.0 72W–8.0 246–5 3.0,2.8L ¶624380775
FUNV XII 17 19 04 06.7 9.86N 70.98W 6 3.0W,2.8L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
FUNV XII 12 08 30 17.9 8.67N 71.22W 6 3.6W
¶624380752
FUNV Event type se. Presumed earthquake.
ISC XII 17 19 25 25.7–.90 9.90N–.07 70.83W–.04 9 15 2-5
FUNV XII 17 19 25 28.8 9.84N 70.97W 8 2.8W ¶624380776
RSNC XII 17 19 25 31.9–.00 10N–7.0 71W–7.0 12–10 2.3,2.2L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 22 06 21 29.1–2.4 9.47N–.05 69.95W–.04 20–11 22 1-6
RSNC XII 22 06 21 23.2–.00 9N–16 70W–16 0–16 3.8b,2.6 ¶624380804
FUNV XII 22 06 21 29.2 9.45N 69.95W 15 3.0W,2.6
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 21 10 33 27.8–1.5 8.52N–.04 71.68W–.06 6–12 18 1-4
FUNV XII 21 10 33 30.2 8.45N 71.71W 16 2.7W ¶624380791
RSNC XII 21 10 33 31.0–.00 8N–7.0 72W–7.0 1–8 1.9,1.8L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 23 07 59 55.3–2.2 9.11N–.04 70.35W–.05 15–18 58 1-8
FUNV XII 23 07 59 57.8 9.15N 70.33W 10 3.4W ¶624380810
RSNC XII 23 07 59 58.6–.00 9N–3.0 70W–3.0 31–8 3.8,3.8b
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC XII 24 10 34 39.6–1.6 9.97N–.04 70.60W–.03 12–13 24 1-6
RSNC XII 24 10 34 36.7–.70 10N–3.0 71W–6.0 260–7 2.6,2.4L ¶624380820
FUNV XII 24 10 34 42.0 9.96N 70.60W 14 2.7W,2.4L
ISC Event type se.
FUNV Event type se. Presumed earthquake.
RSNC XII 25 03 12 30.8–.00 11N–7.0 73W–7.0 35–6 3.3b,2.1
¶624380823
FUNV XII 29 12 15 06.5 9.79N 69.78W 1 2.9W
RSNC XII 29 12 15 05.5–1.3 10N–7.0 70W–11 0 3.4,2.7 ¶624380839
FUNV Event type se. Presumed earthquake.

(731) North of Honduras.

SSNC VII 17 03 52 43.4–3.5 18.96N 81.36W 34–11 3.9L,3.9
¶626355301
SSNC Event type se. Error ellipse: s-maj=13.9km s-min=15.7km az=-1.0. Presumed earthquake.
ISC VIII 11 23 44 51.9–1.8 17.98N–.09 79.45W–.08 9–16 25 2-4
SSNC VIII 11 23 44 57.5–1.1 17.98N 79.30W 8–8 3.2,2.5L ¶625422573
JSN VIII 11 23 44 57.0–1.1 18.16N 79.54W 30–999 3.5,2.5L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=5.5km s-min=3.0km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=100.0km s-min=999.9km az=-1.0. Presumed earthquake.
ISC VIII 13 04 33 28.6–2.7 18.83N–.09 81.3W–.10 35 28 1-6
SSNC VIII 13 04 33 23.8–1.6 18.73N 81.57W 2–11 4.2,3.6L ¶625422636
JSN VIII 13 04 33 25.4–.83 18.27N 81.74W 30–21 4.5,3.6L
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=9.3km s-min=13.2km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=12.9km s-min=6.1km az=-1.0. Presumed earthquake.
ISC IX 21 09 23 56.3–1.8 18.95N–.06 80.59W–.08 10 30 1-6
SSNC IX 21 09 23 57.7–1.3 18.96N 80.58W 1–6 3.8,3.8W ¶625423885
JSN IX 21 09 23 59.4–1.3 19.09N 80.36W 0–57 4.2,3.8W
ISC Event type se.
SSNC Event type se. Error ellipse: s-maj=4.3km s-min=4.4km az=-1.0. Presumed earthquake.
JSN Event type se. Error ellipse: s-maj=53.6km s-min=69.9km az=-1.0. Presumed earthquake.
ISC VIII 17 12 14 37.4–1.4 18.2N–.10 81.82W–.07 21 16 1-146
IDC VIII 17 12 14 37.4–2.0 17.91N 82.13W 0 3.0b,3.0 ¶621030262
SSNC VIII 17 12 14 39.5–1.9 18.03N 81.65W 23–113 3.5L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=79.4km s-min=28.1km az=31.0.
SSNC Event type se. Error ellipse: s-maj=21.7km s-min=29.9km az=-1.0. Presumed earthquake.
ISC VIII 24 08 05 01.5–.42 16.78N–.04 85.90W–.04 29 4.6b 196 3-142
IDC VIII 24 08 04 57.3–.68 16.75N 85.86W 0 4.3,4.1b ¶621001095
NEIC VIII 24 08 04 60.0–1.4 16.79N–.06 85.92W–.06 10–1 4.6b,4.1b
GFZ VIII 24 08 05 00.1–.21 17N–2.0 86W–3.0 10 4.5b,4.5
GCG VIII 24 08 05 01.0–.82 16.87N 86.04W 29 5.5,4.5
CATAC VIII 24 08 05 02.6 17N–3.0 86W–3.0 15–8 4.8,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.09 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$0.15 $M_{r\theta}$0.08 $M_{\theta\phi}$1.41 $M_{\phi r}$1.56 NP1: ϕ_s356.09222°,δ87.66314°,λ132.66102°. NP2:ϕ_s88.62575°,δ42.71270°,λ3.44617°. Principal axes: T 2.2007,Plg33.2565°,Azm301.0537°; N -0.1745,Plg42.6171°,Azm173.9404° ; P -2.0262,Plg29.3882°,Azm52.7288° $M_0$2.11886×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.10 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$0.13 $M_{r\theta}$0.17 $M_{\theta\phi}$1.45 $M_{\phi r}$0.85 NP1: ϕ_s355.23221°,δ83.85126°,λ150.48234°. NP2:ϕ_s88.70257°,δ60.66879°,λ7.05720°. Principal axes: T 1.7676,Plg24.9685°,Azm307.9794°; N -0.1330,Plg59.9053°,Azm164.5196° ; P -1.6345,Plg15.7026°,Azm45.5014° $M_0$1.70494×10^{15}
SSNC VIII 20 08 54 30.7–.65 18.72N 81.73W 28–8 3.6,2.8L
¶626353732
SSNC Event type se. Error ellipse: s-maj=2.8km s-min=3.6km az=-1.0. Presumed earthquake.
SSNC X 13 19 37 10.9–1.2 18.76N 81.59W 20–11 4.3,3.8L
¶626359381
SSNC Event type se. Error ellipse: s-maj=5.9km s-min=5.2km az=-1.0. Presumed earthquake.
ISC X 10 09 45 12.1–1.2 18.5N–.10 81.56W–.07 14 3.3b 20 1-147
IDC X 10 09 45 10.3–1.8 18.20N 81.81W 0 3.3b,3.3 ¶621235374
SSNC X 10 09 45 13.1–.82 18.44N 81.67W 25–17 4.7,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=54.8km s-min=26.8km az=20.0.
SSNC Event type se. Error ellipse: s-maj=5.6km s-min=6.9km az=-1.0. Presumed earthquake.
SSNC X 14 14 48 35.9–1.1 18.99N 80.69W 11–6 3.8,3.5L
¶626359388
SSNC Event type se. Error ellipse: s-maj=4.6km s-min=3.3km az=-1.0. Presumed earthquake.
ISC X 16 18 27 29.1–.64 18.65N–.03 81.78W–.03 14–3 4.9b,4.5s 638 1-154
NEIC X 16 18 27 28.9–1.9 18.70N–.05 81.71W–.05 10–1 5.2,5.2 ¶621204681
NEIC X 16 18 27 28.9 18.71N 81.71W 10 5.2,5.2
NEIC X 16 18 27 28.9 18.71N 81.71W 10 5.2,5.2
NEIC X 16 18 27 28.9 18.69N 81.71W 10 5.2,5.2
IDC X 16 18 27 28.1–.47 18.52N 81.87W 0 4.5,4.4L
JSN X 16 18 27 28.7–.78 18.14N 81.88W 13–16 5.4,4.4L
NEIC X 16 18 27 29.4 18.89N 81.92W 12 5.4,4.4L
PTWC X 16 18 27 29 18.70N 81.70W 17 5.6,4.4L
GFZ X 16 18 27 30.7–.19 19N–3.0 82W–2.0 10 5.5b,5.4
SSNC X 16 18 27 30.2–1.8 18.60N 81.72W 10–6 5.3W,5.0L
CATAC X 16 18 27 30.6–.57 19N–3.0 82W–3.0 27–5 5.4,5.3b
GFZ X 16 18 27 31.1 18.60N 81.74W 10 5.2W,5.3b
GCMT X 16 18 27 32.7–.10 18.69N–.01 81.83W–.01 12 5.3W,5.3b
BGR X 16 18 27 33.4 18.32N 81.79W 35 5.2b,5.3b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.9km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.60 $M_{\theta\theta}$-2.95 $M_{\phi\phi}$8.55 $M_{r\theta}$0.72 $M_{\theta\phi}$-0.56 $M_{\phi r}$-0.08 NP1:ϕ_s343.45000°,δ47.17000°,λ-109.62000°. NP2:ϕ_s191.12000° ,δ46.30000°,λ-70.09000°. Principal axes: T 8.5742,Plg0.0000°,Azm87.0000° ; N -2.7964,Plg14.0000°,Azm357.0000°; P -5.7778,Plg76.0000°,Azm179.0000° $M_0$7.57000×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.45 $M_{\theta\theta}$1.69 $M_{\phi\phi}$5.76 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.42 $M_{\phi r}$-0.09 NP1:ϕ_s349.79000°,δ45.85000°,λ-96.10000°. NP2: ϕ_s178.51000°,δ44.48000°,λ-83.75000°. Principal axes: T 5.8019,Plg1.0000°,Azm84.0000° ; N 1.7015,Plg4.0000°,Azm354.0000°; P -7.5034,Plg86.0000°,Azm183.0000° $M_0$6.81000×10^{16}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=10.3km az=15.0.
JSN Event type se. Error ellipse: s-maj=12.5km s-min=5.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.99 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.99 $M_{r\theta}$0.29 $M_{\theta\phi}$-0.33 $M_{\phi r}$1.07 NP1:ϕ_s323.54000°,δ26.85000° ,λ-128.55000°. NP2:ϕ_s185.31000°,δ69.31000°,λ-72.49000°. Principal axes: T 1.4772,Plg22.0000°,Azm262.0000°; N 0.0820,Plg16.0000°,Azm359.0000° ; P -1.5592,Plg62.0000°,Azm122.0000° $M_0$1.52000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SSNC Event type se. Error ellipse: s-maj=5.5km s-min=6.5km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=8.0km s-min=2.9km az=134.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.81 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$0.90 $M_{r\theta}$-0.41 $M_{\theta\phi}$-0.32 $M_{\phi r}$-0.67 NP1:ϕ_s139.02495° ,δ35.36573°,λ-136.00050°. NP2:ϕ_s10.80521°,δ66.29297°,λ-62.95273°. Principal axes: T 1.1576,Plg16.9974°,Azm81.1581°; N 0.0965,Plg24.6045°,Azm179.2048° ; P -1.2540,Plg59.4208°,Azm320.0064° $M_0$1.20867×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.14 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$-1.74 $M_{r\theta}$0.05 $M_{\theta\phi}$1.32 $M_{\phi r}$0.33 NP1: ϕ_s141.63182°,δ42.30234°,λ79.92228°. NP2:ϕ_s335.14375°,δ48.49705°,λ99.04760°. Principal axes: T 2.1792,Plg82.5459°,Azm304.1385°; N 0.3842,Plg6.7635°,Azm149.1202° ; P -2.5634,Plg3.1189°,Azm58.7500° $M_0$2.39456×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.07 $M_{\theta\theta}$0.71 $M_{\phi\phi}$-1.78 $M_{r\theta}$-0.34 $M_{\theta\phi}$0.68 $M_{\phi r}$0.21 NP1: ϕ_s196.73837°,δ49.63064°,λ137.60185°. NP2:ϕ_s317.33863°,δ59.08789°,λ49.02084°. Principal axes: T 1.2824,Plg55.2110°,Azm172.9748°; N 0.7020,Plg34.2382°,Azm341.3872° ; P -1.9844,Plg5.4367°,Azm75.1010° $M_0$1.74290×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-9.20 $M_{\theta\theta}$0.96 $M_{\phi\phi}$8.24 $M_{r\theta}$-0.72 $M_{\theta\phi}$-1.75 $M_{\phi r}$1.81 NP1: ϕ_s165.44285°,δ51.11367°,λ-92.12311°. NP2:ϕ_s348.82243°,δ38.93507°,λ-87.36996°. Principal axes: T 8.8416,Plg6.0919°,Azm256.9525°; N 0.5739,Plg1.6525°,Azm166.7761° ; P -9.4155,Plg83.6863°,Azm61.6621° $M_0$9.14208×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110161827A. Moment Tensor Solution. s97,c161; s159,c300;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07±.01 $M_{\theta\theta}$0.02±.01; $M_{\phi\phi}$1.05±.01; $M_{r\theta}$0.02±.04; $M_{\theta\phi}$-0.37±.01; $M_{\phi r}$0.05±.04; Best double couple: NP1: ϕ_s340.00000°,δ44.00000°,λ-93.00000°. NP2:ϕ_s164.00000°,δ46.00000°,λ-87.00000°. Principal axes: T 1.1670,Plg1.0000°,Azm252.0000°; N -0.0990,Plg2.0000°,Azm342.0000° ; P -1.0720,Plg88.0000°,Azm137.0000° $M_0$1.11900×10^{17}
BGR Event type ke.
ISC X 15 18 44 34.9–.35 17.19N–.03 85.17W–.04 10 4.5b,3.5s 238 3-144
CATAC X 15 18 44 34.9–.70 17N–2.0 85W–2.0 11–4 5.2b,5.1b ¶621204447
NEIC X 15 18 44 34.9–1.7 17.17N–.06 85.15W–.07 10–1 4.6b,5.1b
IDC X 15 18 44 34.8–.64 17.09N 85.15W 0 4.2L,4.2
GFZ X 15 18 44 35.8–.17 17N–2.0 85W–2.0 10 5.2L,5.2b
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.32 $M_{\theta\theta}$0.65 $M_{\phi\phi}$-0.97 $M_{r\theta}$0.60 $M_{\theta\phi}$0.35 $M_{\phi r}$0.02 NP1:ϕ_s128.99205° ,δ69.34333°,λ30.54772°. NP2:ϕ_s27.23154°,δ61.60284°,λ156.35796°. Principal axes: T 1.1530,Plg35.8546°,Azm350.2856°; N -0.0991,Plg53.6915°,Azm159.8606° ; P -1.0539,Plg4.9820°,Azm256.6737° $M_0$1.10676×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.34 $M_{\theta\theta}$1.87 $M_{\phi\phi}$-7.22 $M_{r\theta}$3.76 $M_{\theta\phi}$1.57 $M_{\phi r}$-0.48 NP1: ϕ_s141.83255°,δ58.22046°,λ50.87963°. NP2:ϕ_s18.90647°,δ48.73737°,λ135.52322°. Principal axes: T 7.7671,Plg57.0078°,Azm356.8140°; N -0.1833,Plg32.4362°,Azm165.0185° ; P -7.5838,Plg5.3906°,Azm258.4565° $M_0$7.67706×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.48 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-5.60 $M_{r\theta}$4.45 $M_{\theta\phi}$3.22 $M_{\phi r}$1.27 NP1: ϕ_s126.29216°,δ57.07727°,λ49.36326°. NP2:ϕ_s3.94613°,δ50.43262°,λ135.16628°. Principal axes: T 8.5244,Plg56.5882°,Azm339.5407°; N -1.4334,Plg33.1389°,Azm151.2987° ; P -7.0910,Plg3.7899°,Azm243.7774° $M_0$7.90576×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.24 $M_{\theta\theta}$-6.42 $M_{\phi\phi}$6.66 $M_{r\theta}$-0.47 $M_{\theta\phi}$2.31 $M_{\phi r}$-0.69 NP1: ϕ_s144.60041°,δ83.73711°,λ177.98692°. NP2:ϕ_s234.82011°,δ87.99894°,λ6.26673°. Principal axes: T 7.1374,Plg5.8445°,Azm99.8649°; N -0.3011,Plg83.4228°,Azm252.4595° ; P -6.8363,Plg3.0064°,Azm9.5568° $M_0$6.99172×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.15 $M_{\theta\theta}$1.55 $M_{\phi\phi}$-1.70 $M_{r\theta}$-0.42 $M_{\theta\phi}$-4.80 $M_{\phi r}$1.01 NP1: ϕ_s350.99064°,δ86.93263°,λ11.96042°. NP2:ϕ_s260.34120°,δ78.05697°,λ176.86470°. Principal axes: T 5.1682,Plg10.6125°,Azm216.2584°; N 0.0369,Plg77.6581°,Azm5.1672° ; P -5.2051,Plg6.2283°,Azm125.0867° $M_0$5.18676×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.20 $M_{\theta\theta}$0.66 $M_{\phi\phi}$-0.86 $M_{r\theta}$-0.68 $M_{\theta\phi}$-3.98 $M_{\phi r}$1.24 NP1: ϕ_s355.68556°,δ82.71662°,λ17.64983°. NP2:ϕ_s263.37565°,δ72.49720°,λ172.36098°. Principal axes: T 4.3625,Plg17.5963°,Azm220.7026°; N -0.1474,Plg70.9508°,Azm17.4103° ; P -4.2151,Plg7.0664°,Azm128.4494° $M_0$4.29072×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 11 03 23 58.0–2.2 16.22N–.06 87.73W–.04 2–15 108 1-4
GCG XII 11 03 23 56.9–1.5 16.87N 88.89W 0–359 4.4 ¶625355992
CATAC XII 11 03 23 59.8–.44 16N–3.0 88W–2.0 12–4 4.3,4.3
SNET XII 11 03 24 00.3–1.6 16N–7.0 88W–14 17 4.3,4.3
ISC Event type se.
GCG Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SSNC XI 28 17 49 45.3–.61 18.20N 81.57W 5–44 3.9
¶626360132
SSNC Event type se. Error ellipse: s-maj=9.4km s-min=7.8km az=-1.0. Presumed earthquake.
ISC XII 02 14 55 31.2–1.9 18.29N–.06 79.02W–.04 5–14 38 1-4
JSN XII 02 14 55 33.9–2.2 18.09N 79.04W 0–25 4.2 ¶625428231
SSNC XII 02 14 55 37.0–7.7 18.34N 79.02W 17–70 4.1,3.0L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=31.0km s-min=29.8km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=35.7km s-min=15.7km az=-1.0. Presumed earthquake.
ISC XII 05 12 03 06.3–1.6 18.16N–.08 79.13W–.04 11–13 38 1-5
JSN XII 05 12 03 06.8–2.3 17.95N 79.28W 0–30 4.2 ¶625428288
SSNC XII 05 12 03 08.9–1.2 18.17N 79.07W 3–5 4.2W,4.1
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=26.7km s-min=35.4km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=7.5km s-min=3.0km az=-1.0. Presumed earthquake.
ISC XII 08 23 05 19.8–2.5 18.2N–.10 79.1W–.10 4–16 16 1-4
JSN XII 08 23 05 20.2–.62 17.87N 79.20W 1–25 4.1 ¶625428383
SSNC XII 08 23 05 24.4–.35 18.28N 79.02W 5–3 2.9,2.8L
ISC Event type se.
JSN Event type se. Error ellipse: s-maj=21.6km s-min=29.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=4.5km s-min=2.6km az=-1.0. Presumed earthquake.
CATAC XI 05 04 57 31.5–.25 17N–2.0 84W–2.0 10 4.4b,4.4b
¶626091141
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 17 13 58 33.3–.32 16.97N–.03 85.44W–.04 10 4.9b,3.9s 373 3-145
CATAC XII 17 13 58 32.8–.21 17N–2.0 85W–2.0 1 5.7b,5.6b ¶621632743
IDC XII 17 13 58 32.2–.55 16.96N 85.33W 0 4.6,4.5b

NEIC XII 17 13 58 34.2–1.2 16.97N–.06 85.38W–.02 10–1 4.9b,4.5b
GFZ XII 17 13 58 35.7–.23 17N–2.0 86W–4.0 10 5.7L,5.5b
GCMT XII 17 13 58 39.4–.30 17.09N–.02 85.36W–.03 31–1 4.9W,5.5b
GCG XII 17 13 58 42.7–1.0 17.03N 86.09W 50–513 5.1,5.5b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=4.9km s-min=4.0km az=132.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.65 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-0.43 $M_{r\theta}$-0.84 $M_{\theta\phi}$-1.55 $M_{\phi r}$0.19 NP1:ϕ_s26.01991°,δ44.08877°,λ49.51738°. NP2:ϕ_s255.93949°,δ58.04816°,λ122.16533°. Principal axes: T 2.0569,Plg61.8960°,Azm218.9844°; N 0.4420,Plg26.8533°,Azm57.5314° ; P -2.4989,Plg7.6825°,Azm323.6152° M_o2.30984×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.31 $M_{\theta\theta}$1.22 $M_{\phi\phi}$-4.53 $M_{r\theta}$-3.41 $M_{\theta\phi}$-3.89 $M_{\phi r}$4.28 NP1:ϕ_s240.12059°,δ45.55642°,λ153.60034°. NP2:ϕ_s349.28704°,δ71.49188°,λ47.59509°. Principal axes: T 8.3970,Plg46.0202°,Azm215.9175°; N -1.2589,Plg39.7535°,Azm5.4545° ; P -7.1381,Plg15.7034°,Azm108.9790° M_o7.84372×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.43 $M_{\theta\theta}$3.24 $M_{\phi\phi}$-5.67 $M_{r\theta}$-1.88 $M_{\theta\phi}$-2.44 $M_{\phi r}$5.16 NP1:ϕ_s339.84152°,δ78.47507°,λ52.79067°. NP2:ϕ_s235.09944°,δ38.70520°,λ161.36666°. Principal axes: T 7.0193,Plg43.8747°,Azm213.4576°; N 1.3348,Plg36.3372°,Azm348.4677° ; P -8.3541,Plg24.2382°,Azm97.8075° M_o7.77316×10^{16}
IDC Error ellipse: s-maj=13.4km s-min=12.2km az=36.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.2km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112171358A. Moment Tensor Solution. s35,c46; s95,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.02±.14 $M_{\theta\theta}$-1.35±.11; $M_{\phi\phi}$1.37±.13; $M_{r\theta}$-0.81±.15; $M_{\theta\phi}$2.33±.08; $M_{\phi r}$0.85±.17; Best double couple: NP1:ϕ_s73.00000°,δ70.00000°,λ-9.00000°. NP2:ϕ_s166.00000°,δ81.00000°,λ-160.00000°. Principal axes: T 2.7510,Plg7.0000°,Azm298.0000°; N 0.3560,Plg68.0000°,Azm189.0000° ; P -3.1030,Plg20.0000°,Azm31.0000° M_o2.92700×10^{16}
GCG Event type se. Error ellipse: s-maj=19.5km s-min=194.7km az=-1.0. Presumed earthquake.
ISC XII 26 00 44 23.8–2.1 17.96N–.04 81.55W–.05 0–14 4.0b,3.3s 139 1-146
IDC XII 26 00 44 23.8–.87 17.87N 81.64W 0 3.9L,3.9 **¶621653491**
CATAC XII 26 00 44 24.1–.18 18N–3.0 82W–3.0 2 5.4b,4.8
NEIC XII 26 00 44 25.6–1.8 17.93N–.05 81.64W–.07 10–1 4.1b,4.8
OSPL XII 26 00 44 29.5–1.5 17.94N 81.39W 0–266 4.4L,4.8
SSNC XII 26 00 44 30.1–1.1 18.04N 81.46W 20–14 4.5,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=15.7km az=10.0.
CATAC Event type se. Error ellipse: s-maj=8.3km s-min=2.7km az=134.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.4km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=111.4km s-min=215.3km az=-1.0. Presumed earthquake.
SSNC Event type se. Error ellipse: s-maj=5.6km s-min=4.8km az=-1.0. Presumed earthquake.
SSNC XII 21 18 31 42.8–.94 18.46N 81.57W 10–14 3.6,3.5L ¶626361336
SSNC Event type se. Error ellipse: s-maj=8.4km s-min=7.9km az=-1.0. Presumed earthquake.
ISC XII 28 22 58 54.1–1.8 16.30N–.04 86.68W–.03 6–12 3.8b 110 2-145
IDC XII 28 22 58 53.7–1.1 16.39N 86.23W 0 3.7b,3.6 **¶625357312**
CATAC XII 28 22 59 00.6–.42 16N–3.0 87W–2.0 5 4.5,4.5
SNET XII 28 22 59 04.0 16N–8.0 87W–8.0 37 4.5,4.5
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SNET manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/LOCAL-regional. confirmed.

SEISMIC REGION 8. Andean South America.

(102) Near west coast of Colombia.

ISC VII 17 23 51 21.5–.46 6.77N–.03 77.71W–.04 20–3 4.3b 110 1-132
IDC VII 17 23 51 18.2–.79 6.85N 77.65W 0 3.8b,3.8 **¶620833214**
NEIC VII 17 23 51 20.4–1.9 6.82N–.07 77.68W–.07 10–1 4.4b,3.8
RSNC VII 17 23 51 21.1–.00 7N–2.0 78W–2.0 0–3 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC XII 12 08 30 18.4–1.1 4N–2.0 77W–3.0 25–9 3.5,3.5
IDC XII 12 08 30 11.3–1.9 3.81N 77.16W 0 3.2,3.1b **¶621650486**
RSNC XII 12 08 30 17.3–.00 4N–3.0 77W–4.0 40–10 3.0,2.5L
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(103) Colombia.

RSNC VII 22 09 23 02.7–.00 5N–5.0 74W–6.0 135–10 1.6,1.3L ¶626240487
RSNC VII 23 14 05 32.7–.00 4N–7.0 76W–7.0 107–10 1.1L ¶626240579
RSNC VII 30 13 14 12.3–.00 4N–1.0 71W–1.0 0–1 4.7b,4.0b ¶626241043
ISC VII 26 03 11 24.2–.89 2.66N–.02 75.19W–.02 17–2 71 0-146
IDC VII 26 03 11 20.0–1.0 2.54N 75.17W 0 3.5b,3.5 **¶620973808**
RSNC VII 26 03 11 25.6–.00 3N–3.0 75W–2.0 32–3 5.0b,4.3
ISC Event type se.
ISC VII 28 06 02 58.7–1.7 5.81N–.03 72.55W–.03 12–13 53 1-6
FUNV VII 28 06 02 55.4 5.35N 72.56W 19 3.1W **¶621700456**
RSNC VII 28 06 02 58.7–.00 6N–2.0 73W–4.0 30–5 4.9b,4.2
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 28 19 14 48.9–1.3 5.77N–.02 72.60W–.03 1–10 66 1-6
RSNC VII 28 19 14 47.7–.00 6N–2.0 73W–4.0 16–4 4.8b,4.1 **¶621700459**
FUNV VII 28 19 14 51.8 5.75N 72.65W 5 3.4W,4.1
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC VII 29 23 35 56.7–1.6 3.85N–.04 71.21W–.05 5–9 72 0-150
RSNC VII 29 23 36 00.7–.00 4N–1.0 71W–1.0 0–1 5.1b,4.4 **¶620984149**
IDC VII 29 23 36 02.0–3.2 3.68N 71.15W 54–31 3.9s,3.6
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=20.2km az=26.0.
RSNC VIII 03 19 25 00.2–.00 4N–1.0 71W–1.0 1–1 5.6b,5.1 ¶626344529
ISC VIII 12 01 53 17.5–1.1 5.57N–.02 73.32W–.02 12–9 73 0-11
RSNC VIII 12 01 53 16.4–.00 6N–2.0 73W–2.0 15–3 5.1b,4.4 **¶625171918**
CATAC VIII 12 01 53 18.4–.47 5N–3.0 73W–3.0 1 4.0b,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 12 12 08 32.4–.58 5.64N–.02 73.97W–.03 121–5 4.2b 164 0-149
CATAC VIII 12 12 08 32.1–.59 6N–3.0 74W–4.0 125–7 4.7,4.7b **¶621009409**
FUNV VIII 12 12 08 32.6 5.46N 73.98W 115 4.3W,4.7b
RSNC VIII 12 12 08 32.5–.00 6N–2.0 74W–3.0 110–5 5.0b,4.6b
IDC VIII 12 12 08 33.4–.63 5.54N 74.08W 129–6 4.0,3.7b
NEIC VIII 12 12 08 33.6–1.4 5.65N–.04 73.96W–.04 123–6 4.3b,3.7b
ISC Event type se.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 18 22 16.2–1.5 3.91N–.02 76.92W–.04 3–12 69 1-5
RSNC VIII 12 18 22 19.5–.00 4N–2.0 77W–4.0 41–6 5.5b,5.0 **¶625171962**
CATAC VIII 12 18 22 21.3–.62 4N–4.0 77W–5.0 15–4 3.6,3.6
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSNC VIII 15 14 07 30.9–.00 5N–3.0 74W–4.0 139–7 3.9b,2.1 ¶626345301
RSNC VIII 13 05 04 21.4–.00 5N–3.0 74W–4.0 139–6 2.5,2.2L ¶626345147
ISC VIII 19 22 37 36.8–1.2 4.94N–.02 76.25W–.03 89–8 87 0-7
RSNC VIII 19 22 37 35.3–.00 5N–2.0 76W–3.0 94–6 5.1b,4.5 **¶625172413**
CATAC VIII 19 22 37 36.8–.40 5N–2.0 76W–3.0 83–12 3.9b,3.6b
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 18 12 36 03.3–.64 5.11N–.02 76.33W–.03 95–5 4.3b 186 0-147
VAO VIII 18 12 36 00.9–3.2 5.23N 76.32W 88 4.8b **¶620996186**
NEIC VIII 18 12 36 03.7–1.4 5.07N–.06 76.32W–.07 92–9 4.4b
RSNC VIII 18 12 36 03.4–.00 5N–2.0 76W–3.0 88–5 5.6b,5.1
CATAC VIII 18 12 36 04.4–.96 5N–2.0 76W–2.0 29–9 4.7b,4.5b
IDC VIII 18 12 36 06.2–1.6 5.01N 76.18W 119–15 4.2,3.8b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=35.6km s-min=23.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.5km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Error ellipse: s-maj=5.3km s-min=4.0km az=40.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=23.6km s-min=12.5km az=46.0.
RSNC VIII 26 00 18 55.4–.00 4N–1.0 71W–1.0 2–1 3.9b,3.8 ¶626345966
ISC VIII 20 05 05 22.3–1.4 5.49N–.02 74.23W–.02 33–7 84 0-7
RSNC VIII 20 05 05 20.4–.00 5N–2.0 74W–2.0 50–4 5.0b,4.4 **¶626345608**
CATAC VIII 20 05 05 22.2–1.1 6N–2.0 74W–3.0 32–16 5.2b,4.0
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSNC VIII 30 20 52 03.2–.00 4N–1.0 71W–1.0 0–1 4.0b,3.5 ¶626346238
ISC VIII 25 21 35 42.7–1.2 5.82N–.03 74.04W–.03 114–8 73 0-8
RSNC VIII 25 21 35 42.6–.00 6N–2.0 74W–3.0 106–6 4.8b,4.1b **¶625151822**
CATAC VIII 25 21 35 44.9–1.0 6N–7.0 74W–5.0 112–7 3.9b,3.7
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 02 15 35 14.3–1.4 5.29N–.03 73.71W–.04 163–8 74 1-7
CATAC IX 02 15 35 15.6–.74 5N–4.0 74W–5.0 153–6 3.6,3.6b **¶621717468**
FUNV IX 02 15 35 17.4 5.44N 73.72W 159 3.6W,3.6b
RSNC IX 02 15 35 17.2–.00 5N–1.0 74W–1.0 144–2 5.2b,4.5
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
RSNC VIII 31 00 15 30.3–.00 4N–1.0 71W–1.0 0–1 3.9b,3.6 ¶626346250
ISC IX 15 15 23 11.4–1.1 5.31N–.03 73.71W–.03 159–6 90 0-149
CATAC IX 15 15 23 11.5–.75 5N–4.0 74W–5.0 163–6 3.8,3.8 **¶621111993**
RSNC IX 15 15 23 12.5–.00 5N–3.0 74W–3.0 144–6 5.1b,4.5
IDC IX 15 15 23 14.3–3.0 4.94N 74.03W 163–10 5.1b,4.5
FUNV IX 15 15 23 22.2 6.14N 73.85W 26 3.4W,4.5
ISC Event type se.
CATAC Error ellipse: s-maj=10.8km s-min=8.3km az=110.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=123.7km s-min=41.2km az=72.0.
FUNV Event type se. Presumed earthquake.
ISC IX 04 01 56 01.5–1.4 5.30N–.03 73.74W–.05 154–9 64 0-10
RSNC IX 04 01 56 02.2–.00 5N–3.0 74W–4.0 142–6 3.7b,2.6 **¶625152324**
CATAC IX 04 01 56 03.7–.64 5N–3.0 74W–4.0 146–6 5.9b,5.5
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
RSNC IX 14 22 59 56.5–.00 4N–2.0 71W–2.0 7–2 2.7,1.1L ¶626685408
ISC IX 10 20 04 50.9–1.2 1.59N–.03 76.20W–.02 1–10 70 1-16
RSNC IX 10 20 04 50.4–.00 2N–3.0 76W–3.0 30–5 4.1b,3.6 **¶625152718**
CATAC IX 10 20 04 58.1–1.3 2N–7.0 76W–8.0 23–11 4.2b,4.0
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 24 11 05 30.6–1.4 4.30N–.03 75.95W–.04 156–10 64 1-7
CATAC IX 24 11 05 31.2–.54 4N–3.0 76W–5.0 147–8 3.8b,3.7 **¶625153506**
RSNC IX 24 11 05 31.0–.00 4N–1.0 76W–1.0 159–2 4.6b,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 19 13 57 10.3–1.3 5.30N–.03 73.73W–.03 156–8 83 0-7
CATAC IX 19 13 57 08.5–1.3 5N–7.0 74W–9.0 183–16 3.5,3.5 **¶621717536**
FUNV IX 19 13 57 11.8 5.18N 73.75W 152 3.6W,3.5
RSNC IX 19 13 57 12.0–.00 5N–1.0 74W–1.0 146–2 3.5b,3.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.
ISC IX 26 20 47 55.6–1.1 3.46N–.02 74.26W–.02 7–8 85 0-148
IDC IX 26 20 47 56.2–1.6 4.43N 75.65W 0 4.4,3.8L **¶621131534**
RSNC IX 26 20 47 56.0–.00 3N–2.0 74W–2.0 13–3 4.3,4.2b
CATAC IX 26 20 47 58.2–.68 3N–6.0 74W–6.0 10 5.8b,5.4
ISC Event type se.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 24 20 05 16.1–1.1 5.31N–.02 72.75W–.03 16–9 51 1-7
RSNC IX 24 20 05 15.1–.00 5N–3.0 73W–4.0 27–7 5.0b,4.4 **¶621717551**
FUNV IX 24 20 05 16.9 5.31N 72.71W 6 2.9W,4.4
ISC Event type se.
FUNV Event type se. Presumed earthquake.
ISC IX 27 00 10 04.9–.72 5.75N–.02 75.95W–.03 50–6 3.8b,3.2s 136 0-147
CATAC IX 27 00 10 04.4–.74 6N–3.0 76W–3.0 17–5 6.5b,6.3 **¶621140669**
RSNC IX 27 00 10 04.4–.00 6N–2.0 76W–3.0 55–4 5.5b,5.0
IDC IX 27 00 10 07.0–4.2 5.82N 75.93W 82–36 3.8,3.5b
ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.7km s-min=5.2km az=32.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=43.6km s-min=27.5km az=77.0.
ISC IX 27 14 01 31.8–.98 5.28N–.03 73.71W–.03 149–7 80 1-15
CATAC IX 27 14 01 30.5–.81 5N–4.0 74W–5.0 158–7 3.8,3.8 **¶625153663**
RSNC IX 27 14 01 31.5–.00 5N–3.0 74W–3.0 143–5 4.0b,3.6
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 11 08 30 08.0–.48 5.93N–.03 73.36W–.03 174–4 4.0b 197 0-155
RSNC X 11 08 30 08.5–.00 6N–3.0 73W–4.0 162–5 4.5b,4.1b **¶621144698**
NEIC X 11 08 30 08.5–1.1 6.00N–.06 73.31W–.07 174–4 4.0b,4.1b
CATAC X 11 08 30 08.9–.49 6N–2.0 73W–3.0 166–4 4.2,4.2b
IDC X 11 08 30 08.6–.84 5.89N 73.21W 173–7 3.7,3.2b
FUNV X 11 08 30 09.2 5.88N 73.36W 177 4.2W,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.6km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

CATAC Error ellipse: s-maj=7.6km s-min=5.0km az=101.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=17.3km s-min=12.7km az=83.0.
FUNV Event type se. Presumed earthquake.

ISC	**X**	**19 21 42 34.4–1.2**	**5.32N–.03**	**76.48W–.04**	**9–10**		**41**	**1-4**
CATAC	X	19 21 42 18.7–.38	6N–8.0	78W–4.0	10	5.7b,5.2		**¶625154908**
RSNC	X	19 21 42 35.7–.00	5N–3.0	76W–4.0	52–8	3.5b,2.8		

ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

RSNC	**X**	**24 10 43 19.4–.00**	**3N–3.0**	**75W–3.0**	**33–6**	**2.1,1.8L**		**¶635822166**
RSNC	**XI**	**02 08 09 17.9–.00**	**5N–10**	**77W–10**	**32**	**2.2,1.6L**		**¶635750395**
ISC	**X**	**24 09 49 22.7–1.2**	**5.65N–.03**	**73.96W–.03**	**125–8**		**75**	**0-7**
CATAC	X	24 09 49 23.5–.66	6N–3.0	74W–4.0	119–7	3.8b,3.5		**¶635681019**
RSNC	X	24 09 49 23.3–.00	6N–3.0	74W–3.0	112–5	3.9b,3.1		

ISC Event type se.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**30 01 50 56.1–1.3**	**4.12N–.03**	**76.43W–.04**	**123–10**		**79**	**1-9**
CATAC	X	30 01 50 54.1–1.3	4N–2.0	77W–3.0	10–9	4.7b,3.9		**¶625155401**
RSNC	X	30 01 50 56.0–.00	4N–3.0	76W–4.0	112–6	4.8b,4.1		

ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**01 14 06 04.0–.70**	**1.08N–.02**	**77.26W–.02**	**10**		**85**	**1-7**
RSNC	XI	01 14 06 03.9–.00	1N–4.0	77W–3.0	12–3	4.0b,3.4		**¶625155532**
CATAC	XI	01 14 06 07.7–.32	1N–5.0	77W–7.0	3–3	3.9b,3.6		

ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**24 19 57 44.0–1.3**	**4.40N–.03**	**75.96W–.03**	**144–8**		**77**	**0-7**
CATAC	X	24 19 57 42.8	4N–1.0	76W–1.0	152–2	4.1b,3.7		**¶625155165**
RSNC	X	24 19 57 42.6–.00	4N–3.0	76W–4.0	147–5	4.7b,4.2b		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/TectonicDorel1991. confirmed.

ISC	**X**	**25 10 53 22.0–1.1**	**5.29N–.03**	**73.74W–.04**	**167–7**		**63**	**0-15**
CATAC	X	25 10 53 00.6–.65	3N–5.0	74W–9.0	1	4.3b,4.0		**¶626091069**
RSNC	X	25 10 53 24.9–.00	5N–3.0	74W–4.0	140–6	2.7,2.3L		

ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**29 21 43 46.0–1.1**	**2.20N–.02**	**76.63W–.02**	**2–7**	**4.6b,3.5s**	**175**	**0-145**
IDC	X	29 21 43 45.7–.62	2.23N	76.68W	0	4.3,4.2b		**¶621244304**
RSNC	X	29 21 43 45.1–.00	2N–2.0	77W–2.0	7–3	5.3b,4.9b		
CATAC	X	29 21 43 49.5–.27	2N–5.0	77W–7.0	1	5.0b,4.8b		
NEIC	X	29 21 43 49.3	2.20N	76.61W	18	5.0b,4.8b		
NEIC	X	29 21 43 50.0–1.6	2.19N–.06	76.62W–.08	24–5	4.6b,4.3		

ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.10 $M_{\theta\theta}$1.13 $M_{\phi\phi}$1.97 $M_{r\theta}$0.84 $M_{\theta\phi}$4.58 $M_{\phi r}$-0.15 NP1:ϕ_s256.24024°,δ61.49221°,λ-38.49351°. NP2:ϕ_s7.02479°,δ56.84142°,λ-145.24168°. Principal axes: T 6.1719,Plg2.8242°,Azm312.5908°; N -2.3669,Plg43.4547°,Azm45.2697°; P -3.8050,Plg46.4060°,Azm219.6207° M_o5.39316×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.58 $M_{\theta\theta}$1.27 $M_{\phi\phi}$2.31 $M_{r\theta}$0.81 $M_{\theta\phi}$5.01 $M_{\phi r}$-0.03 NP1:ϕ_s252.16314°,δ57.99222°,λ-45.15022°. NP2:ϕ_s10.21277°,δ53.04557°,λ-138.44967°. Principal axes: T 6.8577,Plg2.8836°,Azm312.2081°; N -2.7841,Plg36.7293°,Azm44.3621°; P -4.0737,Plg53.1195°,Azm218.3587° M_o5.97388×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-4.74 $M_{\theta\theta}$1.39 $M_{\phi\phi}$3.35 $M_{r\theta}$1.71 $M_{\theta\phi}$6.70 $M_{\phi r}$-0.25 NP1:ϕ_s253.34648°,δ61.03726°,λ-41.41498°. NP2:ϕ_s6.47578°,δ54.63548°,λ-143.57243°. Principal axes: T 9.2066,Plg3.8329°,Azm311.2413°; N -3.1357,Plg41.0067°,Azm44.5808°; P -6.0709,Plg48.7349°,Azm216.8623° M_o8.10713×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.48 $M_{\theta\theta}$1.14 $M_{\phi\phi}$2.34 $M_{r\theta}$1.28 $M_{\theta\phi}$5.48 $M_{\phi r}$-0.42 NP1:ϕ_s4.55091°,δ59.45940°,λ-149.61522°. NP2:ϕ_s257.95960°,δ64.17435°,λ-34.36980°. Principal axes: T 7.2814,Plg2.9392°,Azm312.1974°; N -2.4020,Plg47.9852°,Azm45.4646°; P -4.8794,Plg41.8633°,Azm219.5604° M_o6.42641×10^{15}

NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.97 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-1.73 $M_{r\theta}$1.39 $M_{\theta\phi}$-1.61 $M_{\phi r}$1.07 NP1:ϕ_s192.48000°,δ30.46000°,λ58.57000°. NP2:ϕ_s47.82000°,δ64.37000°,λ107.05000°. Principal axes: T 2.6667,Plg66.0000°,Azm349.0000°; N 0.6242,Plg15.0000°,Azm220.0000°; P -3.2908,Plg18.0000°,Azm125.0000° M_o3.03000×10^{15}

ISC	**XI**	**18 16 53 13.9–.69**	**3.16N–.02**	**75.98W–.02**	**10**		**72**	**1-146**
RSNC	XI	18 16 53 05.5–.00	3N–2.0	76W–2.0	9–4	5.1b,4.5b		**¶625156612**
IDC	XI	18 16 53 11.4–6.8	6.08N	76.60W	0	4.4,3.0L		

ISC Event type se.
IDC Error ellipse: s-maj=415.4km s-min=21.7km az=21.0.

ISC	**XI**	**16 08 00 07.9–1.2**	**4.32N–.02**	**76.77W–.03**	**88–19**		**94**	**1-6**
RSNC	XI	16 08 00 07.5–.00	4N–3.0	77W–4.0	87–10	4.0b,3.0		**¶625156454**
CATAC	XI	16 08 00 08.4–.26	4N–2.0	77W–3.0	52–52	4.1b,3.9b		

ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**22 05 10 19.5–1.4**	**5.29N–.03**	**73.72W–.04**	**164–9**		**62**	**1-7**
RSNC	XI	22 05 10 20.9–.00	5N–3.0	74W–4.0	143–6	4.5b,3.8b		**¶625156843**
CATAC	XI	22 05 10 22.2–.66	5N–3.0	74W–5.0	143–6	3.7b,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**19 13 39 43.4–1.2**	**2.09N–.02**	**76.06W–.02**	**0–10**		**80**	**1-8**
RSNC	XI	19 13 39 43.7–.00	2N–2.0	76W–2.0	28–3	4.4b,3.7		**¶625156663**
CATAC	XI	19 13 39 50.1–.97	2N–6.0	76W–6.0	6–5	4.2,4.2		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**20 02 56 07.7–1.0**	**4.68N–.02**	**75.92W–.02**	**32–8**	**3.6b**	**108**	**0-147**
CATAC	XI	20 02 56 06.2–.25	5N–2.0	76W–3.0	1	4.6b,4.3b		**¶621590331**
RSNC	XI	20 02 56 07.2–.00	5N–2.0	76W–3.0	29	4.9b,4.3b		
IDC	XI	20 02 56 13.7–2.2	4.68N	75.73W	93–20	3.7,3.3b		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=6.7km s-min=3.4km az=119.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=27.6km s-min=19.2km az=64.0.

ISC	**XI**	**27 12 05 14.6–.99**	**5.76N–.02**	**76.11W–.02**	**8–7**		**83**	**0-147**
RSNC	XI	27 12 05 14.5–.00	6N–3.0	76W–3.0	19–4	4.1b,3.9		**¶621625122**
IDC	XI	27 12 05 16.3–1.8	4.43N	76.25W	0	4.2,3.5L		
NEIC	XI	27 12 05 18.5–.99	5.84N–.05	75.99W–.02	35–10	4.1b,3.5L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**29 07 53 37.7–1.1**	**3.63N–.02**	**74.16W–.02**	**9–7**	**4.2b**	**167**	**0-148**
IDC	XI	29 07 53 36.9–.67	3.60N	74.26W	0	3.7b,3.7		**¶621481054**
NEIC	XI	29 07 53 37.7–1.2	3.64N–.04	74.01W–.06	10–1	4.4b,3.7		
RSNC	XI	29 07 53 39.5–.00	4N–2.0	74W–2.0	14–3	4.7b,4.7b		
CATAC	XI	29 07 53 44.7–.29	4N–2.0	74W–3.0	1	5.0b,4.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.02 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$0.24 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.73 $M_{\phi r}$0.87 NP1:ϕ_s351.69326°,δ88.74394°,λ132.05443°. NP2:ϕ_s83.08520°,δ42.06969°,λ1.87481°. Principal axes: T 1.2197,Plg32.7114°,Azm295.9515°; N -0.1206,Plg42.0420°,Azm170.5604°; P -1.0990,Plg30.6243°,Azm48.2978° M_o1.16403×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$0.35 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.72 $M_{\phi r}$0.87 NP1:ϕ_s170.34294°,δ89.73328°,λ-132.24988°. NP2:ϕ_s80.04931°,δ42.25056°,λ-0.39669°. Principal axes: T 1.2536,Plg31.3401°,Azm294.1675°; N -0.1643,Plg42.2493°,Azm170.5852°; P -1.0893,Plg31.7828°,Azm46.3355° M_o1.18010×10^{15}

ISC	**XI**	**29 20 33 32.9–.44**	**4.25N–.03**	**76.33W–.03**	**139–4**	**4.6b**	**353**	**1-157**
VAO	XI	29 20 33 30.3–.65	4.26N	76.32W	116–7	5.0b		**¶621499050**
NEIC	XI	29 20 33 32.1–1.8	4.25N–.05	76.34W–.07	123–5	4.9b		
GFZ	XI	29 20 33 32.9–.15	4N–2.0	76W–4.0	145	5.4b,4.8		
CATAC	XI	29 20 33 32.3–.36	4N–2.0	76W–4.0	153–11	5.1,5.0b		
IDC	XI	29 20 33 33.0–.53	4.20N	76.32W	139–4	4.6,4.2b		
RSNC	XI	29 20 33 33.4–.00	4N–1.0	76W–1.0	126–3	5.2b,5.2b		
GCMT	XI	29 20 33 34.6–.50	4.28N–.03	76.37W–.03	150–6	4.8W,5.2b		

ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111292033A. Moment Tensor Solution. s2,c3; s72,c82; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.50±.10 $M_{\theta\theta}$-1.29±.11; $M_{\phi\phi}$0.78±.13; $M_{r\theta}$0.31±.07; $M_{\theta\phi}$0.81±.11; $M_{\phi r}$-1.22±.08; Best double couple: NP1:ϕ_s250.00000°,δ47.00000°,λ16.00000°. NP2:ϕ_s149.00000°,δ78.00000°,λ136.00000°. Principal axes: T 1.9250,Plg39.0000°,Azm100.0000°; N -0.1170,Plg45.0000°,Azm317.0000°; P -1.8130,Plg19.0000°,Azm206.0000° M_o1.86900×10^{16}

ISC	**XII**	**03 09 13 20.7–1.3**	**4.27N–.03**	**75.99W–.03**	**155–8**		**77**	**0-6**
RSNC	XII	03 09 13 19.8–.00	4N–3.0	76W–4.0	151–5	3.1,2.9		**¶625157492**
CATAC	XII	03 09 13 21.6–.55	4N–3.0	76W–5.0	143–9	3.8b,3.5		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XI**	**30 10 26 24.2–1.2**	**4.61N–.02**	**73.29W–.03**	**5–10**		**69**	**0-8**
CATAC	XI	30 10 26 24.0–.00	5N–5.0	73W–7.0	8–4	4.0,4.0		**¶624380687**
RSNC	XI	30 10 26 25.7–.00	5N–2.0	73W–3.0	19–4	4.0b,3.4		
FUNV	XI	30 10 26 35.5	5.20N	73.25W	28	3.7W,3.4		

ISC Event type se.
CATAC Event type se. Error ellipse: s-maj=17.2km s-min=6.9km az=115.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
FUNV Event type se. Presumed earthquake.

ISC	**XII**	**08 22 54 40.3–1.0**	**4.36N–.02**	**73.57W–.03**	**8–8**	**3.6b**	**81**	**0-149**
IDC	XII	08 22 54 37.2–1.5	4.24N	75.18W	0	3.4,3.3b		**¶621634757**
RSNC	XII	08 22 54 40.2–.00	4N–2.0	74W–2.0	19–3	4.3b,4.1b		

ISC Event type se.

ISC	**XII**	**22 00 08 34.5–1.1**	**2.28N–.02**	**76.59W–.02**	**11–10**		**72**	**0-16**
RSNC	XII	22 00 08 20.7–.00	2N–1.0	77W–1.0	12–2	3.5,3.3L		**¶625158652**
CATAC	XII	22 00 08 43.2–1.4	3N–5.0	77W–7.0	25–10	4.0,4.0		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**09 00 07 14.2–.90**	**4.37N–.02**	**73.60W–.02**	**14–6**	**4.5b,3.9s**	**244**	**0-149**
IDC	XII	09 00 07 11.3–.64	4.45N	73.38W	0	4.1,4.0L		**¶621622860**
RSNC	XII	09 00 07 13.7–.00	4N–2.0	74W–2.0	18–3	5.3b,5.1b		
NEIC	XII	09 00 07 17.5–1.2	4.42N–.06	73.66W–.05	36–7	4.6b,5.1b		
CATAC	XII	09 00 07 18.9–.88	5N–3.0	74W–5.0	7–7	5.4b,5.3b		
GFZ	XII	09 00 07 21.8–.83	4N–3.0	73W–6.0	75–8	5.2L,4.8		
VAO	XII	09 00 07 34.7–.67	3.11N	73.83W	142	4.6b,4.8		

ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=11.7km az=62.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.5km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. Error ellipse: s-maj=11.0km s-min=3.4km az=118.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ Error ellipse: s-maj=14.3km s-min=5.9km az=69.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
VAO Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**23 23 52 09.5–1.6**	**5.28N–.04**	**73.73W–.04**	**156–11**		**58**	**1-8**
RSNC	XII	23 23 52 11.1–.00	5N–1.0	74W–1.0	147–3	3.1,3.0		**¶624380814**
FUNV	XII	23 23 52 11.5	5.14N	73.75W	142	3.7W,3.0		

ISC Event type se.
FUNV Event type se. Presumed earthquake.

ISC	**XII**	**31 22 46 53.6–.87**	**5.74N–.03**	**73.94W–.03**	**116–6**		**83**	**0-149**
IDC	XII	31 22 46 54.5–4.8	5.71N	74.97W	105–68	3.8,3.5b		**¶621726094**
RSNC	XII	31 22 46 54.0–.00	6N–2.0	74W–3.0	103–5	5.0b,4.4		
FUNV	XII	31 22 46 55.6	5.62N	73.98W	97	4.0W,4.4		

ISC Event type se.
IDC Error ellipse: s-maj=211.0km s-min=37.8km az=84.0.
FUNV Event type se. Presumed earthquake.

(104) Off coast of Ecuador.

ISC	**VII**	**10 16 48 32.4–.85**	**1.16S–.03**	**81.02W–.04**	**13–5**	**4.4b,3.3s**	**151**	**0-139**
IDC	VII	10 16 48 30.4–.65	1.10S	80.95W	0	4.1,4.0b		**¶620928368**
IGQ	VII	10 16 48 31.4–.75	1S–3.0	81W–6.0	5–1	4.8,4.7		
NEIC	VII	10 16 48 32.6–1.3	1.17S–.04	80.98W–.07	10–1	4.6b,4.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**12 23 53 21.5–1.3**	**1.43S–.04**	**81.01W–.05**	**13–9**		**58**	**0-7**
CATAC	IX	12 23 53 19.0–.96	2S–10	81W–8.0	10	4.1,3.9		**¶625388093**
IGQ	IX	12 23 53 23.7–.38	1S–2.0	81W–3.0	1–1	4.0L,3.9		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VIII**	**07 14 31 47.5–.79**	**2.0N–.10**	**84.70W–.10**	**10**	**4.3b**	**41**	**6-137**
IDC	VIII	07 14 31 45.9–1.1	1.94N	84.87W	0	3.9,3.8b		**¶621000726**
NEIC	VIII	07 14 31 49.2–1.7	2.1N–.10	84.6W–.10	10–2	4.4b,3.8b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**07 14 42 38.5–.75**	**1.99N–.07**	**84.62W–.07**	**10**	**4.2b,3.8s**	**50**	**5-130**
GCMT	VIII	07 14 42 32.0	1.75N	85.25W	10	4.9s,3.8s		**¶621000727**
IDC	VIII	07 14 42 37.2–.80	2.21N	84.56W	0	4.1b,4.1		
RSNC	VIII	07 14 42 42.7–.40	2N–2.0	84W–3.0	0	5.1b,4.6b		
GCMT	VIII	07 14 42 43.0–.40	2.31N–.03	84.66W–.05	12	4.8W,4.6b		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202108071442A. Moment Tensor Solution. s10,c10; s77,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.13±.07 $M_{\theta\theta}$1.23±.04; $M_{\phi\phi}$-0.10±.08; $M_{r\theta}$1.13±.24; $M_{\theta\phi}$-0.10±.05; $M_{\phi r}$1.24±.33; Best double couple: NP1:ϕ_s113.00000°,δ26.00000°,λ-38.00000°. NP2:ϕ_s237.00000°,δ74.00000°,λ-112.00000°. Principal axes: T 1.7790,Plg26.0000°,Azm344.0000°; N 0.4690,Plg21.0000°,Azm243.0000°; P -2.2500,Plg56.0000°,Azm120.0000° M_o2.01500×10^{16}

ISC	**XII**	**04 22 04 27.2–3.2**	**1.79N–.06**	**82.9W–.20**	**10**		**85**	**3-11**
RSNC	XII	04 22 04 27.4–.40	2N–2.0	83W–2.0	0	5.5,5.2		**¶625157581**
CATAC	XII	04 22 04 33.7–.70	2N–4.0	82W–6.0	1	6.0b,5.6		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**26 23 53 26.5–.91**	**1.3N–.10**	**84.7W–.10**	**10**	**3.8b**	**25**	**5-138**
IDC	X	26 23 53 26.5–1.3	1.60N	84.58W	0	3.8b,3.8		**¶621366497**
RSNC	X	26 23 53 44.1–2.6	1N–5.0	83W–23	0	5.3b,4.7		

ISC Event type se.

(105) Near coast of Ecuador.

ISC	**VII**	**02 09 30 33.5–.97**	**0.88S–.03**	**80.53W–.04**	**17–7**		**96**	**0-10**
IGQ	VII	02 09 30 32.0–.31	1S–2.0	81W–3.0	10–1	4.0,4.0		**¶625169356**

ISC Event type se.

ISC	**VII**	**13 11 36 56.4–1.4**	**0.70N–.04**	**80.26W–.05**	**14–8**	**4.3b,3.3s**	**153**	**0-141**
IGQ	VII	13 11 36 53.8–.54	1N–4.0	80W–3.0	13–2	5.0L,4.7		**¶620805843**

NEIC VII 13 11 36 56.2–.91 0.80N–.08 80.06W–.08 10–1 4.4b,4.7
GFZ VII 13 11 37 02.7–.65 1N–7.0 80W–9.0 62–7 4.3b,4.3
IDC VII 13 11 37 08.7–2.6 0.60N 80.18W 135–27 3.9,3.4b
VAO VII 13 11 37 09.3–1.5 0.23N 79.52W 62 4.5b,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.3km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=23.6km s-min=6.8km az=54.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=32.8km s-min=15.1km az=77.0.
VAO Event type se. Error ellipse: s-maj=13.5km s-min=14.0km az=-1.0. Presumed earthquake.
ISC VII 20 12 15 35.0–1.2 0.89S–.03 80.86W–.06 5–10 84 0-11
IGQ VII 20 12 15 34.5–.41 1S–2.0 81W–3.0 5–1 4.4,4.3 **¶625170464**
ISC Event type se.
ISC VIII 02 19 24 06.0–1.2 1.18S–.03 80.78W–.05 8–10 97 0-9
CATAC VIII 02 19 24 06.9–1.1 1S–4.0 81W–8.0 7–10 6.0,6.0 **¶625171267**
IGQ VIII 02 19 24 06.3–.33 1S–2.0 81W–4.0 2–2 4.2,4.1
RSNC VIII 02 19 24 06.6–.60 1S–4.0 81W–9.0 4–7 5.2b,4.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 10 06 54 43.6–1.2 0.13S–.03 80.64W–.04 10–7 4.1b,3.3s 183 0-140
VAO VIII 10 06 54 40.7–.83 0.21N 80.68W 10 4.5b,3.3s **¶620979409**
IGQ VIII 10 06 54 44.0–.43 0S–2.0 81W–2.0 2–1 4.7L,4.5
NEIC VIII 10 06 54 44.1–1.2 0.05S–.08 80.61W–.04 11–6 4.3b,4.5
IDC VIII 10 06 54 56.9–2.5 0.40S 80.34W 95–23 3.9,3.5b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=7.5km s-min=6.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=3.6km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.9km s-min=13.6km az=69.0.
ISC VIII 13 18 59 38.5–.90 1.56S–.03 80.99W–.04 17–5 4.6b 180 0-145
NEIC VIII 13 18 59 37.5–1.3 1.58S–.07 81.04W–.07 10–1 4.7b **¶620986446**
IGQ VIII 13 18 59 38.1–.50 2S–2.0 81W–4.0 4–1 5.1,4.8
IDC VIII 13 18 59 43.4–2.7 1.40S 80.59W 50–27 4.4s,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.9km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=79.2km s-min=13.8km az=69.0.
ISC VIII 10 05 13 38.6–1.6 0.14S–.04 80.68W–.05 4–10 110 0-7
IGQ VIII 10 05 13 39.2–.41 0S–2.0 81W–2.0 3–1 3.8,3.8 **¶625171803**
RSNC VIII 10 05 13 40.4–.70 0S–3.0 81W–3.0 13–5 4.9b,4.2
ISC Event type se.
ISC VIII 13 19 03 50.6–.35 1.53S–.03 80.96W–.03 27–2 5.0b,4.3s 474 0-163
IGQ VIII 13 19 03 48.6–.36 2S–2.0 81W–2.0 3–1 5.9L,5.6 **¶620986444**
VAO VIII 13 19 03 49.0–.48 1.68S 80.90W 10 5.0b,5.6
NEIC VIII 13 19 03 50.3 1.49S 80.95W 19 5.0b,5.6
GFZ VIII 13 19 03 51.1–.16 2S–2.0 81W–4.0 23 4.9b,4.9
NEIC VIII 13 19 03 52.7–1.6 1.51S–.05 80.93W–.07 40–6 5.0b,4.9
GCMT VIII 13 19 03 52.0–.30 1.44S–.03 81.08W–.02 23–1 5.1W,4.9
IDC VIII 13 19 03 54.7–2.2 1.50S 80.91W 61–20 4.6s,4.5
NEIC VIII 13 19 03 54.8 1.59S 80.95W 26 5.1,4.5
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=3.8km s-min=6.1km az=-1.0. Presumed earthquake.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.4km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131903A. Moment Tensor Solution. s29,c31; s94,c120; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.11±.41 $M_{\theta\theta}$-0.43±.21; $M_{\phi\phi}$-4.69±.25; $M_{r\theta}$0.47±.28; $M_{\theta\phi}$0.13±.13; $M_{\phi r}$-3.99±.33; Best double couple: NP1:ϕ_s1.00000°,δ25.00000° ,λ95.00000°. NP2:ϕ_s175.00000°,δ65.00000°,λ88.00000°. Principal axes: T 6.5520,Plg70.0000°,Azm80.0000°; N -0.4360,Plg2.0000°,Azm176.0000° ; P -6.1230,Plg20.0000°,Azm267.0000° $M_0$6.33700×10^{16}
IDC Error ellipse: s-maj=21.2km s-min=10.5km az=65.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}2.67 $M_{\theta\theta}$1.03 $M_{\phi\phi}$-3.70 $M_{r\theta}$0.16 $M_{\theta\phi}$0.45 $M_{\phi r}$-4.43 NP1:ϕ_s349.21000°,δ18.06000° ,λ81.84000°. NP2:ϕ_s177.79000°,δ72.12000°,λ92.65000°. Principal axes: T 4.9417,Plg63.0000°,Azm92.0000°; N 1.0624,Plg3.0000°,Azm357.0000° ; P -6.0041,Plg27.0000°,Azm266.0000° $M_0$5.55000×10^{16}
ISC VIII 26 10 03 11.8–1.1 3.35S–.04 79.07W–.04 79–9 98 0-19
CATAC VIII 26 10 03 10.3–.47 3S–4.0 79W–7.0 10 6.5b,6.3 **¶625151825**
IGQ VIII 26 10 03 12.7–.22 3S–1.0 79W–2.0 60–3 3.7,3.6
ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 04 00 09 40.2–1.5 1.73N–.03 79.16W–.04 11–11 55 0-13
CATAC IX 04 00 09 39.8–.39 2N–2.0 79W–5.0 1 5.0b,4.7b **¶625152318**
RSNC IX 04 00 09 40.0–.30 2N–2.0 79W–2.0 11–2 4.4b,3.7b
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 11 09 43 36.4–.89 2.61S–.02 79.54W–.02 15–7 122 0-20
NEIC XI 11 09 43 36.7–1.7 2.68S–.04 79.5W–.10 10–2 3.9b **¶621394932**
IGQ XI 11 09 43 36.2–.14 2.6S–1.0 80W–1.0 3–1 4.6L,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 08 57 14.8–1.6 2.41S–.03 80.10W–.04 36–1 171 0-11
CATAC X 06 08 57 14.6–1.0 2S–4.0 80W–9.0 19–9 4.6,4.4 **¶625154118**
IGQ X 06 08 57 14.4–.22 2S–1.0 80W–2.0 23–1 4.4,4.3
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 08 11 23 28.7–3.8 1.80N–.05 79.09W–.06 16–27 33 1-13
RSNC XI 08 11 23 25.9–.00 2N–5.0 79W–5.0 5–8 3.9b,3.2 **¶625155965**
CATAC XI 08 11 23 32.5–2.3 2N–14 79W–28 1 4.3b,3.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 24 02 00 09.9–1.1 1.86S–.03 80.49W–.03 13–10 76 1-8
RSNC IX 24 02 00 09.4–.70 2S–3.0 81W–5.0 0 5.2b,4.6 **¶625153473**
IGQ IX 24 02 00 10.3–.28 2S–3.0 80W–2.0 6–2 4.1L,3.8
ISC Event type se.
ISC X 12 00 33 44.5–1.3 0.25N–.03 80.37W–.05 31–9 4.3b 171 1-141
IGQ X 12 00 33 41.2–.65 0N–2.0 81W–4.0 7–2 4.7,4.6L **¶621236916**
VAO X 12 00 33 43.0–1.6 0.69N 80.01W 10 4.5b,4.6L
NEIC X 12 00 33 46.8–1.4 0.36N–.08 80.34W–.08 41–9 4.4b,4.6L
CATAC X 12 00 33 47.2–.87 0N–7.0 80W–5.0 1 4.3,4.3
RSNC X 12 00 33 53.5–.60 0S–4.0 80W–6.0 17–7 5.4b,4.8
IDC X 12 00 33 54.1–1.9 0.48N 79.98W 111–18 4.0,3.5b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=12.1km s-min=16.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.5km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Error ellipse: s-maj=15.2km s-min=8.5km az=153.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=19.4km s-min=11.2km az=74.0.
ISC X 12 01 40 55.7–2.6 0.39N–.06 80.46W–.10 5–12 31 1-9
CATAC X 12 01 40 53.4–1.1 1N–7.0 81W–7.0 10 3.9,3.9 **¶625154480**
RSNC X 12 01 40 53.8–.00 0N–6.0 81W–6.0 16–4 3.7,3.5b
ISC Event type se.

CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 14 17 56 55.0–.88 0.86N–.03 79.82W–.03 4–7 77 0-7
IGQ X 14 17 56 54.7–.76 1N–4.0 80W–5.0 7–2 4.1L,3.9 **¶625154598**
ISC Event type se.
ISC XI 20 22 06 38.4–.67 1.97S–.03 80.24W–.03 54–6 4.6b,3.5s 308 0-164
VAO XI 20 22 06 34.7–1.4 1.99S 80.01W 10 4.8b,3.5s **¶621427822**
CATAC XI 20 22 06 37.9–.37 2S–2.0 80W–3.0 1 5.8b,5.3
IGQ XI 20 22 06 38.7–.19 2S–1.0 80W–1.0 22–1 5.0,5.0
IDC XI 20 22 06 40.2–2.3 1.84S 80.10W 67–21 4.2,3.8b
NEIC XI 20 22 06 41.1–1.5 1.91S–.07 80.08W–.08 70–5 4.7b,3.8b
ISC Event type se.
VAO Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.27 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.39 $M_{\theta\phi}$0.41 $M_{\phi r}$1.19 NP1:ϕ_s98.06699° ,δ36.71172°,λ-42.86170°. NP2:ϕ_s224.71419°,δ66.00639°,λ-118.66071°. Principal axes: T 1.6630,Plg16.2196°,Azm335.3975°; N 0.3487,Plg25.9877°,Azm237.2453° ; P -2.0117,Plg58.6923°,Azm93.9718° $M_0$1.86202×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.30 $M_{\theta\theta}$1.31 $M_{\phi\phi}$-0.02 $M_{r\theta}$0.40 $M_{\theta\phi}$0.45 $M_{\phi r}$1.17 NP1: ϕ_s95.17357°,δ35.67225°,λ-44.56656°. NP2:ϕ_s223.83922°,δ65.84436°,λ-117.08584°. Principal axes: T 1.6752,Plg16.5630°,Azm333.4665°; N 0.3218,Plg24.5480°,Azm235.6594° ; P -1.9970,Plg59.7448°,Azm94.1217° $M_0$1.85715×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.27 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.40 $M_{\theta\phi}$0.41 $M_{\phi r}$1.19 NP1: ϕ_s98.11664°,δ36.70230°,λ-42.85418°. NP2:ϕ_s224.75997°,δ66.01562°,λ-118.65537°. Principal axes: T 1.6665,Plg16.2300°,Azm335.4407°; N 0.3482,Plg25.9849°,Azm237.2840° ; P -2.0147,Plg58.6885°,Azm94.0314° $M_0$1.86517×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.29 $M_{\theta\theta}$1.28 $M_{\phi\phi}$0.01 $M_{r\theta}$0.41 $M_{\theta\phi}$0.47 $M_{\phi r}$1.15 NP1: ϕ_s93.67788°,δ35.09734°,λ-45.47476°. NP2:ϕ_s223.43322°,δ65.80031°,λ-116.23313°. Principal axes: T 1.6589,Plg16.7791°,Azm332.4871°; N 0.3038,Plg23.7772°,Azm234.8533° ; P -1.9626,Plg60.2725°,Azm94.3597° $M_0$1.82975×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.99 $M_{\theta\theta}$0.52 $M_{\phi\phi}$-1.51 $M_{r\theta}$-0.24 $M_{\theta\phi}$0.59 $M_{\phi r}$1.49 NP1: ϕ_s151.78053°,δ21.66313°,λ71.34599°. NP2:ϕ_s351.74371°,δ69.52758°,λ97.24043°. Principal axes: T 1.6834,Plg64.7532°,Azm273.8043°; N 0.6633,Plg6.7809°,Azm169.1994° ; P -2.3467,Plg24.1953°,Azm76.1369° $M_0$2.09536×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.95 $M_{\theta\theta}$0.57 $M_{\phi\phi}$-1.52 $M_{r\theta}$-0.24 $M_{\theta\phi}$0.48 $M_{\phi r}$1.67 NP1: ϕ_s158.03244°,δ19.06788°,λ76.33286°. NP2:ϕ_s352.46074°,δ71.49195°,λ94.66906°. Principal axes: T 1.7884,Plg63.2237°,Azm269.8011°; N 0.6660,Plg4.4271°,Azm170.9756° ; P -2.4544,Plg26.3496°,Azm78.7780° $M_0$2.19841×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 18 03 17 07.8–.96 1.46S–.02 80.43W–.02 18–3 126 0-18
CATAC XI 18 03 17 07.4–.60 2S–4.0 80W–6.0 10 6.7b,6.5 **¶621822967**
IGQ XI 18 03 17 07.1–.14 1S–1.0 80W–2.0 5–1 4.0,3.9
ISC Event type se.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 18 04 13 15.5–.99 1.27N–.03 79.70W–.03 6–6 4.6b,3.3s 171 0-142
IGQ XI 18 04 13 15.7–.63 1N–4.0 80W–3.0 0–2 4.6,4.5 **¶621414631**
VAO XI 18 04 13 15.6–1.4 1.47N 79.59W 10 4.3b,4.5
IDC XI 18 04 13 22.4–3.2 1.16N 79.80W 56–31 4.1,3.7b
NEIC XI 18 04 13 29.9–1.5 0.66N–.07 79.15W–.09 59–8 4.5b,3.7b
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 07 51 30.5–.72 2.80S–.03 80.15W–.05 58–7 4.0b,2.3s 178 0-139
IDC XII 20 07 51 23.3–1.7 2.23S 78.90W 0 4.2L,3.9 **¶621635010**
CATAC XII 20 07 51 30.9–1.1 3S–5.0 80W–19 10 5.0b,5.0b
NEIC XII 20 07 51 32.0–.76 2.80S–.05 79.97W–.10 63–8 4.1b,5.0b
IGQ XII 20 07 51 31.3–.28 3S–1.0 80W–3.0 18–2 4.6L,4.3
ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.72 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.63 $M_{r\theta}$1.31 $M_{\theta\phi}$-0.76 $M_{\phi r}$-0.00 NP1:ϕ_s97.10914° ,δ74.40509°,λ119.49214°. NP2:ϕ_s212.53158°,δ33.03057°,λ29.55085°. Principal axes: T 1.5005,Plg51.5286°,Azm41.1340°; N 0.6456,Plg28.3060°,Azm268.4635° ; P -2.1461,Plg23.7489°,Azm164.7558° $M_0$1.90708×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.29 $M_{\theta\theta}$-1.06 $M_{\phi\phi}$0.77 $M_{r\theta}$1.74 $M_{\theta\phi}$-0.39 $M_{\phi r}$0.51 NP1: ϕ_s69.93323°,δ79.76376°,λ82.11909°. NP2:ϕ_s287.84942°,δ12.89288°,λ127.20922°. Principal axes: T 1.5432,Plg54.5812°,Azm330.3027°; N 0.8285,Plg7.7547°,Azm71.3423° ; P -2.3717,Plg34.3067°,Azm166.6738° $M_0$2.08478×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 24 14 56 48.8–1.0 0.03N–.02 80.02W–.04 13–9 123 0-9
IGQ XII 24 14 56 48.9–.21 0N–1.0 80W–2.0 10–1 3.8,3.7 **¶625158848**
RSNC XII 24 14 56 49.6–.30 0N–2.0 80W–2.0 18–3 5.3,5.2b
ISC Event type se.
ISC XII 28 06 55 08.6–1.6 0.33N–.03 80.19W–.06 8–11 46 0-7
RSNC XII 28 06 55 07.9–.50 0N–2.0 80W–4.0 5–3 5.0b,4.3 **¶625159090**
CATAC XII 28 06 55 08.3–.65 0N–3.0 80W–4.0 10 3.7,3.7
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 25 18 24 22.2–1.3 2.74S–.02 79.97W–.02 1–12 109 0-7
RSNC XII 25 18 24 23.3–.70 3S–4.0 80W–8.0 0 5.4b,4.8 **¶625158910**
IGQ XII 25 18 24 26.0–.12 2.9S–.90 80W–1.0 5–1 3.9,3.9
ISC Event type se.
ISC XII 28 18 36 29.0–1.2 0.28N–.02 79.94W–.03 5–10 115 1-8
CATAC XII 28 18 36 28.1–.84 0N–4.0 80W–4.0 1 3.9,3.9 **¶625159091**
IGQ XII 28 18 36 29.3–.28 0N–2.0 80W–3.0 7–3 4.0L,3.8
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(106) Colombia-Ecuador border region.

ISC XII 17 09 35 01.2–1.2 0.75N–.03 78.67W–.04 9–10 43 0-6
CATAC XII 17 09 35 01.9–.87 1N–4.0 79W–6.0 11–5 3.6,3.6 **¶625158386**
RSNC XII 17 09 35 01.4–.20 1N–1.0 79W–2.0 0 5.5b,5.0
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XII 24 01 30 08.6–.98 0.36N–.02 79.00W–.02 8–8 177 0-7
RSNC XII 24 01 30 08.4–.20 0N–1.0 79W–1.0 1–1 4.1b,3.6 **¶625158846**
IGQ XII 24 01 30 09.4–.14 0N–1.0 79W–1.0 10 4.7b,4.3b
CATAC XII 24 01 30 11.8–.42 0N–2.0 79W–3.0 10 4.1b,4.1
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(107) Ecuador.

ISC VII 04 21 36 46.2–.55 1.78S–.04 77.76W–.05 174–5 4.2b 234 0-142
IDC VII 04 21 36 45.2–1.7 1.64S 77.63W 161–16 4.1,3.5b **¶620733777**
NEIC VII 04 21 36 46.7–1.5 1.66S–.06 77.6W–.10 168–6 4.3b,3.5b
VAO VII 04 21 36 46.7–.63 1.65S 77.55W 165–8 4.4b,3.5b
IGQ VII 04 21 36 47.1–.29 2S–2.0 78W–3.0 175–2 3.7,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
IDC VII 14 01 09 53.0–510 1.73S 78.52W 0
¶620928570
IDC Error ellipse: s-maj=222.3km s-min=190.3km az=14.0.
IDC VII 14 04 20 34.6–516 1.99S 78.39W 0
¶620928576
IDC Error ellipse: s-maj=223.1km s-min=192.2km az=10.0.
ISC VIII 25 00 00 44.7–1.5 0.85S–.04 79.27W–.05 122–12 32 1-6
¶626345892
ISC Event type se.
ISC VIII 09 11 09 00.2–1.5 0.94S–.04 79.71W–.08 84 40 0-8
IGQ VIII 09 11 09 00.0–.26 1S–1.0 80W–2.0 31–4 4.2L,3.8 **¶625171734**

ISC Event type se.
ISC VIII 21 23 12 18.2–.74 1.43S–.02 78.12W–.02 18–6 125 0-8
IGQ VIII 21 23 12 17.2–.25 1S–1.0 78W–2.0 2–1 4.0,3.9 **¶625172468**
CATAC VIII 21 23 12 19.6–.29 1S–2.0 78W–2.0 5–1 4.0,4.0
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 23 01 56 53.4–1.0 0.52S–.03 78.46W–.03 7–10 31 0-10
CATAC IX 23 01 56 54.1–.53 1S–3.0 78W–5.0 4–4 3.6,3.6 **¶625153422**
RSNC IX 23 01 56 59.3–.40 0S–3.0 79W–2.0 0 3.6b,2.9
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 27 16 35 34.7–1.2 2.09S–.06 78.61W–.07 137–10 50 1-15
CATAC VIII 27 16 35 36.3–.53 2S–4.0 79W–8.0 117–4 4.0b,3.7 **¶625151876**
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 23 16 03 24.0–.64 0.17S–.02 78.40W–.02 13–4 4.8b,3.6s 294 0-162
IDC XI 23 16 03 21.6–.45 0.14S 78.45W 0 4.5,4.4b **¶621449560**
IGQ XI 23 16 03 22.7–.22 0S–1.0 78W–1.0 12–2 4.9L,4.7
NEIC XI 23 16 03 23.7–1.7 0.18S–.04 78.36W–.06 5–3 4.9b,4.7
CATAC XI 23 16 03 23.4–.47 0S–3.0 78W–6.0 4–3 4.8,4.8
VAO XI 23 16 03 23.6–.41 0.07S 78.34W 10 4.7b,4.8
GFZ XI 23 16 03 24.6–.18 0S–4.0 78W–7.0 10 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.36 $M_{\theta\theta}$2.18 $M_{\phi\phi}$-7.54 $M_{r\theta}$-1.33 $M_{\theta\phi}$-1.21 $M_{\phi r}$-0.30 NP1:ϕ_s205.62618°,δ50.32010°,λ116.41039°. NP2:ϕ_s347.75003°,δ46.42537°,λ61.80229°. Principal axes: T 5.8439,Plg69.8667°,Azm181.6554°; N 1.8616,Plg20.0187°,Azm8.0325°; P -7.7056,Plg2.0586°,Azm277.2821° $M_0$6.96394×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.30 $M_{\theta\theta}$1.59 $M_{\phi\phi}$-6.89 $M_{r\theta}$-0.49 $M_{\theta\phi}$-0.20 $M_{\phi r}$4.45 NP1:ϕ_s189.14785°,δ27.38633°,λ102.05263°. NP2:ϕ_s355.62681°,δ63.26606°,λ83.82611°. Principal axes: T 8.0024,Plg71.0758°,Azm252.0657°; N 1.5371,Plg5.5118°,Azm358.4127°; P -8.3395,Plg18.0452°,Azm90.2143° $M_0$7.68707×10^{15}
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 02 03 36 32.1–.78 0.45S–.02 78.73W–.03 10 52 0-7
CATAC X 02 03 36 32.1–.35 0S–1.0 79W–3.0 1–1 3.8,3.8 **¶625153873**
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 07 05 59 07.1–.60 2.50S–.03 78.93W–.04 91–5 4.2b 197 0-148
CATAC X 07 05 59 02.5–.92 3S–9.0 79W–10 1 4.6b,4.5 **¶621126672**
IDC X 07 05 59 06.8–2.4 2.43S 79.07W 86–23 3.9,3.4b
NEIC X 07 05 59 08.1–.81 2.46S–.07 78.75W–.10 87–9 4.3b,3.4b
IGQ X 07 05 59 08.2–.23 2S–2.0 79W–2.0 77–2 4.4,4.2
ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 24 05 27 07.5–1.3 1.90S–.04 79.26W–.04 115–8 173 0-10
IGQ XI 24 05 27 10.6–.18 2S–1.0 79W–2.0 88–2 4.0b,3.9 **¶621823382**
ISC Event type se.
ISC XII 07 06 56 49.4–.63 1.54S–.05 77.87W–.05 175–6 4.1b 119 1-89
RSNC XII 07 06 56 49.6–.30 1S–3.0 78W–3.0 181–3 5.4b,4.8 **¶621632646**
IDC XII 07 06 56 50.0–3.8 1.36S 77.64W 169–42 3.9,3.4b
NEIC XII 07 06 56 50.5–1.0 1.46S–.08 77.76W–.08 172–6 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 20 22 18.8–.88 0.96S–.02 77.69W–.02 11–5 4.6b,3.6s 362 1-162
IDC XII 28 20 22 18.2–.55 0.90S 78.16W 0 4.2b,4.2 **¶621656471**
VAO XII 28 20 22 20.7–.50 1.07S 77.82W 29 4.6b,4.2
IGQ XII 28 20 22 21.1–.19 0.9S–.80 78W–1.0 10 4.7,4.6
CATAC XII 28 20 22 21.0–.47 1S–2.0 78W–3.0 1 4.8,4.7
NEIC XII 28 20 22 22.4–1.4 1.05S–.06 77.90W–.05 34–5 4.6b,4.7
ISC Event type se.
VAO Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(108) Off coast of northern Peru.

ISC VII 29 00 46 11.7–.38 8.34S–.04 80.02W–.06 41–3 4.8b 263 2-152
IDC VII 29 00 46 06.3–.51 8.32S 80.19W 0 4.7s,4.5b **¶620857922**
NEIC VII 29 00 46 11.9–1.2 8.37S–.06 79.99W–.07 36–6 4.9b,4.5b
GFZ VII 29 00 46 13.1–.17 8S–4.0 80W–7.0 41 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 09 17 58 22.8–.57 9.76S–.06 79.79W–.07 22 4.6b,4.0s 108 3-150
NEIC IX 09 17 58 20.6–1.7 9.83S–.08 79.93W–.05 10–1 4.7b,4.0s **¶621105896**
IDC IX 09 17 58 20.4–1.0 9.87S 79.94W 0 3.9,3.9s
VAO IX 09 17 58 27.6–1.1 9.62S 79.59W 44 4.5b,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=3.1km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=13.9km az=52.0.
VAO Event type se. Error ellipse: s-maj=6.2km s-min=13.1km az=-1.0. Presumed earthquake.
ISC VII 29 00 54 14.9–.43 8.39S–.05 80.08W–.07 39 4.5b 80 2-149
IDC VII 29 00 54 09.4–.63 8.40S 80.24W 0 4.2,4.1b **¶620857923**
NEIC VII 29 00 54 15.3–1.1 8.37S–.07 79.99W–.06 37–6 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 10 59 58.6–.40 8.51S–.05 80.42W–.06 10 4.6b,3.9s 164 2-170
IDC IX 12 10 59 57.1–.58 8.47S 80.50W 0 4.3b,4.3 **¶621070678**
NEIC IX 12 10 59 59.8–1.0 8.50S–.07 80.38W–.09 10–1 4.7b,4.3
VAO IX 12 10 59 59.0–.94 8.47S 80.31W 10 4.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=11.8km az=52.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=11.2km az=243.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=5.4km s-min=11.9km az=-1.0. Presumed earthquake.
ISC IX 11 21 24 25.2–.55 8.62S–.06 80.60W–.07 10 4.4b,3.7s 80 3-152
IDC IX 11 21 24 24.0–.71 8.61S 80.62W 0 4.0b,4.0 **¶621070383**
NEIC IX 11 21 24 26.0–1.9 8.52S–.08 80.43W–.07 10–1 4.5b,4.0
VAO IX 11 21 24 25.0–1.3 8.63S 80.76W 19–11 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=11.6km az=50.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.3km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=3.9km s-min=7.3km az=-1.0. Presumed earthquake.
ISC XII 24 22 10 48.9–.46 9.18S–.05 79.04W–.08 64 4.6b 109 2-153
NEIC XII 24 22 10 48.2–1.7 9.26S–.08 79.16W–.09 53–7 4.7b **¶621653113**
IDC XII 24 22 10 52.5–2.6 9.11S 79.11W 93–22 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.2km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.7km s-min=14.2km az=64.0.
ISC IX 23 04 06 07.8–.59 7.46S–.08 80.80W–.08 35 4.3b 43 2-134
IDC IX 23 04 06 03.5–.74 7.34S 80.81W 0 3.9b,3.8 **¶621125827**
NEIC IX 23 04 06 04.7–.60 7.44S–.10 80.82W–.08 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 23 23 02 30.0–.36 6.46S–.04 82.15W–.06 10 4.7b,3.6s 199 3-168
IDC XII 23 23 02 28.4–.52 6.38S 82.37W 0 4.5,4.4b **¶621650676**
VAO XII 23 23 02 29.9–.98 6.47S 82.14W 10 4.8b,4.4b
NEIC XII 23 23 02 30.2–1.1 6.46S–.07 82.12W–.08 10–1 4.7b,4.4b
GFZ XII 23 23 02 31.8–.22 6S–4.0 82W–6.0 10 5.7b,5.3L
RSNC XII 23 23 02 31.7–.70 6S–4.0 82W–7.0 0 5.6b,5.1
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(109) Near coast of northern Peru.

ISC VII 02 15 17 05.6–.69 6.15S–.07 80.73W–.10 35 4.3b 33 3-147
IDC VII 02 15 17 07.1–3.7 6.25S 80.74W 60–35 4.0L,3.9 **¶620927756**
NEIC VII 02 15 17 09.6–1.2 6.17S–.04 80.4W–.20 69–10 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 17 06 44 36.3–.64 5.16S–.07 80.69W–.08 42 4.3b 49 3-143
VAO VII 17 06 44 36.5–.76 5.20S 80.72W 51 4.6b **¶620833097**
NEIC VII 17 06 44 38.1–.86 5.18S–.07 80.7W–.10 58–12 4.5b
IDC VII 17 06 44 39.4–.96 4.45S 78.91W 0 4.2L,4.0b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=5.8km s-min=7.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=4.8km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.1km s-min=14.3km az=75.0.
ISC VII 31 04 33 02.2–.55 5.08S–.07 80.79W–.10 43 4.3b 81 1-146
IDC VII 31 04 32 56.6–.94 5.09S 80.79W 0 4.0L,3.7b **¶620923887**
NEIC VII 31 04 33 02.7–1.9 5.06S–.10 80.8W–.10 35–2 4.3b,3.7b
GFZ VII 31 04 33 02.9–.91 5S–4.0 81W–10 54–9 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 30 17 10 18.8–.21 5.00S–.02 80.70W–.03 34–0 6.3b,6.0s 2304 1-178
BJI VII 30 17 10 18.2 5.00S 80.65W 30 6.3s,6.3 **¶620913674**
MOS VII 30 17 10 18.3–.83 4.95S 80.73W 35 6.3b,5.7s
ISC-P VII 30 17 10 19 4.92S 80.62W 48–0 6.7,5.7s
NEIC VII 30 17 10 19.6 4.92S 80.61W 34 6.7,5.7s
NEIC VII 30 17 10 19.6–1.6 4.92S–.05 80.62W–.03 34–1 6.4b,6.1
IPGP VII 30 17 10 19.0 4.92S 80.61W 42 6.1W,6.1
NEIC VII 30 17 10 19.6 4.91S 80.62W 34 6.1W,6.1
GFZ VII 30 17 10 20.8–.15 5S–1.0 81W–2.0 37–1 6.6b,6.4
CATAC VII 30 17 10 20.4–.30 5S–2.0 81W–5.0 33 6.9,6.5b
IDC VII 30 17 10 20.3–.38 4.81S 80.70W 41–2 5.8s,5.7
GFZ VII 30 17 10 20.5 4.90S 80.62W 36 6.2W,5.7
VAO VII 30 17 10 20.1–.22 4.92S 80.58W 36–1 6.1b,5.7
GCMT VII 30 17 10 21.9–.10 5.03S 80.73W 44–0 6.2W,5.7
PTWC VII 30 17 10 22 4.90S 80.50W 46 6.2,5.7
UPA VII 30 17 10 22.2–2.3 4.93S 80.60W 33 6.4W,5.7
NEIC VII 30 17 10 28.9 5.01S 80.82W 40 6.2,5.7
BGR VII 30 17 10 44.1 2.00S 76.28W 41–1 5.9b,5.6s
ISC Event type ke.
MOS Error ellipse: s-maj=10.4km s-min=7.4km az=92.3.
ISC-P Moment Tensor Solution. s30 Moment tensor: Scale 10^{19}Nm; M_{rr}0.50±.14 $M_{\theta\theta}$0.18±.17; $M_{\phi\phi}$-0.76±.14; $M_{r\theta}$-0.15±.23; $M_{\theta\phi}$0.07±.26; $M_{\phi r}$-0.20±.12; NP1:ϕ_s213.70000°,δ48.10000°,λ123.00000°. NP2:ϕ_s349.50000°,δ51.40000°,λ58.80000°. $M_0$1.35000×10^{19}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.3km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-0.94 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.24 $M_{\phi r}$1.15 NP1:ϕ_s10.05000°,δ69.89000°,λ87.15000°. NP2:ϕ_s198.29000°,δ20.31000°,λ97.74000°. Principal axes: T 1.5205,Plg65.0000°,Azm275.0000°; N 0.0212,Plg3.0000°,Azm11.0000°; P -1.5416,Plg25.0000°,Azm102.0000° $M_0$1.53000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s237.00000°,δ20.00000°,λ115.00000°. NP2:ϕ_s31.00000°,δ72.00000°,λ81.00000°.
NEIC Event type se.
GFZ Error ellipse: s-maj=4.5km s-min=2.3km az=73.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
CATAC Event type se. Error ellipse: s-maj=10.0km s-min=4.6km az=87.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.65 $M_{\theta\phi}$-1.02 $M_{\phi r}$2.00 NP1:ϕ_s22.31467°,δ76.39554°,λ70.25226°. NP2:ϕ_s259.08116°,δ23.82520°,λ144.38768°. Principal axes: T 2.4700,Plg54.4071°,Azm268.0788°; N 0.0917,Plg19.1717°,Azm27.1414°; P -2.5617,Plg28.7197°,Azm128.1237° $M_0$2.51709×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.65 $M_{\theta\phi}$-1.02 $M_{\phi r}$2.00 NP1:ϕ_s22.31345°,δ76.38878°,λ70.25163°. NP2:ϕ_s259.06805°,δ23.82941°,λ144.37452°. Principal axes: T 2.4698,Plg54.4130°,Azm268.0730°; N 0.0921,Plg19.1717°,Azm27.1426°; P -2.5620,Plg28.7130°,Azm128.1219° $M_0$2.51718×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-0.41 $M_{r\theta}$0.55 $M_{\theta\phi}$-1.05 $M_{\phi r}$1.77 NP1:ϕ_s22.54671°,δ74.20879°,λ68.52368°. NP2:ϕ_s257.87561°,δ26.43383°,λ142.31582°. Principal axes: T 2.2724,Plg55.6499°,Azm265.2363°; N 0.1276,Plg20.6280°,Azm28.6579°; P -2.4000,Plg26.1518°,Azm129.3094° $M_0$2.33881×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-0.41 $M_{r\theta}$0.55 $M_{\theta\phi}$-1.05 $M_{\phi r}$1.77 NP1:ϕ_s22.55159°,δ74.21896°,λ68.52230°. NP2:ϕ_s257.89920°,δ26.42914°,λ142.33629°. Principal axes: T 2.2731,Plg55.6402°,Azm265.2466°; N 0.1273,Plg20.6304°,Azm28.6594°; P -2.4004,Plg26.1612°,Azm129.3167° $M_0$2.33938×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.79 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$0.04 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.75 $M_{\phi r}$1.63 NP1:ϕ_s25.23586°,δ77.87674°,λ65.23793°. NP2:ϕ_s270.75578°,δ27.40148°,λ152.84916°. Principal axes: T 2.0946,Plg50.9208°,Azm267.2132°; N -0.1320,Plg24.1741°,Azm30.7690°; P -1.9626,Plg28.6376°,Azm134.9577° $M_0$2.03187×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.79 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$0.04 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.75 $M_{\phi r}$1.63 NP1:ϕ_s25.23613°,δ77.87710°,λ65.23622°. NP2:ϕ_s270.75836°,δ27.40284°,λ152.85137°. Principal axes: T 2.0946,Plg50.9197°,Azm267.2122°; N -0.1320,Plg24.1757°,Azm30.7695°; P -1.9626,Plg28.6374°,Azm134.9592° $M_0$2.03182×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$0.15 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.73 $M_{\phi r}$1.54 NP1:ϕ_s27.29245°,δ77.57964°,λ63.02717°. NP2:ϕ_s274.38265°,δ29.49909°,λ154.10040°. Principal axes: T 2.0219,Plg50.1323°,Azm267.2706°; N -0.1339,Plg26.2924°,Azm33.5393°; P -1.8879,Plg27.6037°,Azm138.5104° $M_0$1.95834×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$0.15 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.73 $M_{\phi r}$1.54 NP1:ϕ_s27.23340°,δ77.62662°,λ62.94434°. NP2:ϕ_s274.47325°,δ29.55542°,λ154.25196°. Principal axes: T 2.0218,Plg50.0511°,Azm267.1737°; N -0.1345,Plg26.3779°,Azm33.4792°; P -1.8873,Plg27.6182°,Azm138.5175° $M_0$1.95798×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.74 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$0.25 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.67 $M_{\phi r}$1.49 NP1:ϕ_s28.26284°,δ77.32163°,λ60.17355°. NP2:ϕ_s277.31499°,δ32.17956°,λ155.66271°. Principal axes: T 2.0028,Plg48.9100°,Azm265.9116°; N -0.2330,Plg29.0287°,Azm35.4347°; P -1.7698,Plg26.3139°,Azm141.3638° $M_0$1.89706×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.71 $M_{\theta\theta}$-0.91 $M_{\phi\phi}$0.19 $M_{r\theta}$0.46 $M_{\theta\phi}$-0.73 $M_{\phi r}$1.52 NP1:ϕ_s26.90240°,δ78.05835°,λ61.75750°. NP2:ϕ_s275.83525°,δ30.47078°,λ155.91837°. Principal axes: T 1.9955,Plg49.0917°,Azm266.1743°; N -0.1406,Plg27.5785°,Azm33.2445°; P -1.8549,Plg27.5896°,Azm139.0836° $M_0$1.92904×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$-0.20 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.32 NP1:ϕ_s26.59648°,δ76.43985°,λ73.11136°. NP2:ϕ_s258.91868°,δ21.53434°,λ140.29985°. Principal axes: T 1.6717,Plg55.4409°,Azm275.3651°; N -0.0124,Plg16.4044°,Azm30.6682°; P -1.6592,Plg29.4693°,Azm130.2442° $M_0$1.66548×10^{18} Moment Tensor Solution.

Moment tensor: Scale 10^{18}Nm; M_{rr}0.85 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$0.04 $M_{r\theta}$0.46 $M_{\theta\phi}$-0.59 $M_{\phi r}$1.61 NP1: ϕ_s26.98028°,δ77.28819°,λ66.75111°. NP2:ϕ_s269.85870°,δ26.32689°,λ150.25309°. Principal axes: T 2.1073,Plg52.1259°,Azm269.9388°; N -0.2911,Plg22.6469°,Azm32.3807° ; P -1.8162,Plg28.5658°,Azm135.5102° $M_0$1.97785×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$0.18 $M_{r\theta}$0.48 $M_{\theta\phi}$-0.71 $M_{\phi r}$1.49 NP1: ϕ_s27.61194°,δ77.72078°,λ62.31274°. NP2:ϕ_s275.54889°,δ30.08997°,λ154.90004°. Principal axes: T 1.9706,Plg49.6586°,Azm267.1116°; N -0.1310,Plg27.0016°,Azm33.9796° ; P -1.8396,Plg27.4795°,Azm139.3483° $M_0$1.90847×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$0.18 $M_{r\theta}$0.48 $M_{\theta\phi}$-0.71 $M_{\phi r}$1.56 NP1: ϕ_s26.66577°,δ78.38353°,λ62.79136°. NP2:ϕ_s275.27758°,δ29.40962°,λ155.79147°. Principal axes: T 2.0367,Plg49.3203°,Azm266.9296°; N -0.1600,Plg26.6069°,Azm32.5762° ; P -1.8767,Plg28.2683°,Azm138.2021° $M_0$1.96158×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.87 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-0.01 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.74 NP1: ϕ_s24.78571°,δ78.25559°,λ68.68636°. NP2:ϕ_s267.23456°,δ24.20254°,λ150.23140°. Principal axes: T 2.2301,Plg52.0812°,Azm270.0635°; N -0.3426,Plg20.8464°,Azm29.3263° ; P -1.8875,Plg30.0678°,Azm132.0619° $M_0$2.08005×10^{18} Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.88 $M_{\phi\phi}$0.15 $M_{r\theta}$0.47 $M_{\theta\phi}$-0.73 $M_{\phi r}$1.57 NP1: ϕ_s26.14806°,δ78.20910°,λ63.13599°. NP2:ϕ_s274.17866°,δ29.16047°,λ155.20525°. Principal axes: T 2.0451,Plg49.6388°,Azm266.5842°; N -0.1543,Plg26.2533°,Azm32.0575° ; P -1.8908,Plg28.2290°,Azm137.4115° $M_0$1.97245×10^{18}

IDC Error ellipse: s-maj=13.4km s-min=7.4km az=57.0.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}1.12 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.65 $M_{\phi r}$2.03 NP1: ϕ_s18.87513°,δ76.95344°,λ75.21216°. NP2:ϕ_s248.34016°,δ19.62354°,λ137.76475°. Principal axes: T 2.5049,Plg55.6557°,Azm270.2176°; N -0.2599,Plg14.3978°,Azm22.2855° ; P -2.2450,Plg30.4252°,Azm120.9568° $M_0$2.38560×10^{18}

VAO Event type se. Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0. Presumed earthquake.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107301710A. Moment Tensor Solution.
s162,c383; s165,c526;Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.12±.01 $M_{\theta\theta}$-0.69±.01; $M_{\phi\phi}$-0.43±.01; $M_{r\theta}$0.57±.01; $M_{\theta\phi}$-0.94±.01; $M_{\phi r}$1.68±.02; Best double couple: NP1:ϕ_s255.00000°,δ25.00000°,λ138.00000°. NP2:ϕ_s24.00000°,δ74.00000°,λ71.00000°. Principal axes: T 2.1950,Plg57.0000°,Azm269.0000°; N 0.0740,Plg18.0000°,Azm30.0000° ; P -2.2710,Plg26.0000°,Azm129.0000° $M_0$2.23300×10^{18}

PTWC PERU-ECUADOR BORDER REGION.

UPA Event type se. Error ellipse: s-maj=83.6km s-min=39.5km az=-1.0. Presumed earthquake.

NEIC Event type se. Moment Tensor Solution.Duration: 6s2 Moment tensor: Scale 10^{18}Nm; M_{rr}1.30 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-0.63 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.72 $M_{\phi r}$1.59 NP1:ϕ_s244.00000°,δ24.28000° ,λ128.79000°. NP2:ϕ_s22.59000°,δ71.31000°,λ74.22000°. Principal axes: T 2.2006,Plg61.0000°,Azm270.0000°; N -0.1698,Plg15.0000°,Azm28.0000° ; P -2.0308,Plg25.0000°,Azm125.0000° $M_0$2.12000×10^{18}

BGR Event type ke.

ISC	**VII**	**29 00 32 13.9–.42**	**8.31S–.03**	**79.99W–.04**	**27–2**	**5.6b,5.4s**	**1377**	**2-175**
UCR	VII	29 00 31 39.4–2.0	10.77S	77.44W	0–999	5.8b,5.4s		**¶620857921**
IDC	VII	29 00 32 09.7–.35	8.25S	80.12W	0	5.4s,5.3b		
BJI	VII	29 00 32 11.5	8.30S	80.00W	20	5.8s,5.8b		
MOS	VII	29 00 32 12.1–.94	8.24S	80.05W	23	5.8b,5.4s		
GFZ	VII	29 00 32 12.9	8.20S	79.92W	30	5.8W,5.4s		
ISC-P	VII	29 00 32 13	8.34S	79.97W	39–2	6.0,5.4s		
NEIC	VII	29 00 32 13.9–1.3	8.34S–.06	79.97W–.08	23–1	5.7b,5.7		
VAO	VII	29 00 32 13.6–1.6	8.22S	79.80W	23–10	5.8b,5.7		
PTWC	VII	29 00 32 14	8.20S	79.80W	10	5.9,5.7		
NEIC	VII	29 00 32 14.5	8.31S	79.92W	23	5.9,5.7		
NEIC	VII	29 00 32 14.5	8.31S	79.92W	23	5.9,5.7		
GFZ	VII	29 00 32 15.1–.09	8S–1.0	80W–3.0	28	6.1b,5.8		
IPGP	VII	29 00 32 15.0	8.34S	79.90W	27	5.8W,5.8		
GCMT	VII	29 00 32 16.8–.10	8.30S–.01	80.14W–.01	28–0	5.9W,5.8		
NEIC	VII	29 00 32 19.9	8.31S	79.92W	26	5.8,5.8		

ISC Event type se.

UCR Event type se. Error ellipse: s-maj=999.9km s-min=453.3km az=-1.0. Presumed earthquake.

IDC Error ellipse: s-maj=14.0km s-min=7.3km az=57.0.

MOS Error ellipse: s-maj=8.7km s-min=4.8km az=96.6.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}3.88 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$-3.34 $M_{r\theta}$0.64 $M_{\theta\phi}$1.38 $M_{\phi r}$-4.89 NP1: ϕ_s169.14572°,δ71.12838°,λ97.44485°. NP2:ϕ_s327.14699°,δ20.23716°,λ69.24024°. Principal axes: T 6.3519,Plg63.1471°,Azm90.8485°; N -0.1376,Plg7.0426°,Azm346.7255° ; P -6.2143,Plg25.7690°,Azm253.3064° $M_0$6.28421×10^{17}

ISC-P Moment Tensor Solution. s30 Moment tensor: Scale 10^{18}Nm; M_{rr}0.61±.14 $M_{\theta\theta}$-0.54±.16; $M_{\phi\phi}$-0.07±.15; $M_{r\theta}$-0.01±.15; $M_{\theta\phi}$-0.06±.26; $M_{\phi r}$0.41±.12; NP1:ϕ_s127.10000°,δ46.40000° ,λ99.80000°. NP2:ϕ_s293.00000°,δ44.50000°,λ79.80000°. $M_0$1.05000×10^{18}

NEIC Event type se. Error ellipse: s-maj=14.8km s-min=10.0km az=246.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.98 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-2.94 $M_{r\theta}$0.24 $M_{\theta\phi}$1.44 $M_{\phi r}$-3.30 NP1:ϕ_s321.50000°,δ24.66000°,λ62.48000°. NP2:ϕ_s171.32000°,δ68.28000° ,λ101.98000°. Principal axes: T 4.4849,Plg65.0000°,Azm101.0000°; N 0.3462,Plg11.0000° ,Azm347.0000°; P -4.8311,Plg22.0000°,Azm252.0000° $M_0$4.67000×10^{17}

VAO Event type se. Error ellipse: s-maj=4.1km s-min=5.2km az=-1.0. Presumed earthquake.

NEIC Event type se.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

IPGP Moment Tensor Solution. NP1:ϕ_s331.00000°,δ22.00000°,λ73.00000°. NP2:ϕ_s170.00000° ,δ69.00000°,λ97.00000°.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107290032A. Moment Tensor Solution.
s152,c326; s159,c431;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}3.86±.04 $M_{\theta\theta}$-0.10±.03; $M_{\phi\phi}$-3.76±.04; $M_{r\theta}$0.85±.07; $M_{\theta\phi}$1.38±.03; $M_{\phi r}$-7.28±.14; Best double couple: NP1:ϕ_s330.00000°,δ15.00000°,λ68.00000°. NP2:ϕ_s172.00000°,δ76.00000°,λ96.00000°. Principal axes: T 8.2670,Plg59.0000°,Azm90.0000°; N 0.2150,Plg6.0000°,Azm351.0000° ; P -8.4790,Plg31.0000°,Azm257.0000° $M_0$8.37300×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}2.50 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$-2.03 $M_{r\theta}$1.33 $M_{\theta\phi}$0.45 $M_{\phi r}$-6.43 NP1:ϕ_s343.14000°,δ9.77000° ,λ85.09000°. NP2:ϕ_s168.12000°,δ80.26000°,λ90.84000°. Principal axes: T 7.1462,Plg55.0000°,Azm79.0000°; N -0.3622,Plg1.0000°,Azm348.0000° ; P -6.7841,Plg35.0000°,Azm257.0000° $M_0$6.97000×10^{17}

ISC	**VIII**	**05 22 36 09.6–.64**	**5.01S–.08**	**80.9W–.10**	**43**	**4.4b,3.0s**	**34**	**3-137**
IDC	VIII	05 22 36 04.5–.86	4.89S	80.96W	0	4.1L,3.8		**¶620998839**
NEIC	VIII	05 22 36 09.6–.94	5.06S–.08	80.9W–.10	35–2	4.5b,3.8		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

RSNC	**VIII**	**25 02 45 04.7–.80**	**5S–4.0**	**81W–5.0**	**13–6**	**5.1b,4.6b**		
								¶626345906
ISC	**VIII**	**22 15 34 19.1–.59**	**8.49S–.07**	**79.99W–.08**	**39**	**4.9s,4.5b**	**65**	**2-149**
VAO	VIII	22 15 34 18.9–1.2	8.88S	80.08W	62–9	4.6b,4.5b		**¶620999556**
NEIC	VIII	22 15 34 19.7–.99	8.41S–.08	80.01W–.09	35–2	4.6b,4.5b		
IDC	VIII	22 15 34 22.7–4.0	8.38S	79.91W	62–31	4.6s,4.3		

ISC Event type se.

VAO Event type se. Error ellipse: s-maj=6.7km s-min=7.3km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=15.2km s-min=13.9km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=34.1km s-min=20.5km az=92.0.

ISC	**X**	**13 09 07 41.9–.39**	**9.10S–.04**	**78.71W–.06**	**78**	**4.4b**	**138**	**2-147**
NEIC	X	13 09 07 41.6–1.1	9.19S–.07	78.84W–.10	70–3	4.6b		**¶621146903**
IDC	X	13 09 07 42.0–.56	9.03S	78.65W	78–5	4.1,3.8b		
VAO	X	13 09 07 49.1–.92	9.10S	78.37W	115	4.6b,3.8b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.5km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=25.2km s-min=8.9km az=59.0.

VAO Event type se. Error ellipse: s-maj=6.0km s-min=11.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**22 08 14 24.5–.73**	**5.67S–.08**	**80.9W–.10**	**35**	**4.2b,3.9s**	**49**	**2-146**
VAO	XII	22 08 14 20.3–1.2	5.89S	80.96W	10	4.4b,3.9s		**¶621686752**
IDC	XII	22 08 14 21.5–1.1	4.86S	80.13W	0	3.8L,3.8s		
NEIC	XII	22 08 14 27.7–1.9	5.64S–.07	80.7W–.10	65–10	4.4b,3.8s		

ISC Event type se.

VAO Event type se. Presumed earthquake.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**05 23 19 49.6–.33**	**6.04S–.04**	**81.39W–.05**	**10**	**5.0b,4.2s**	**334**	**2-168**
IDC	XI	05 23 19 47.8–.50	6.04S	81.58W	0	4.6,4.5b		**¶621370587**
NEIC	XI	05 23 19 49.9–1.4	6.08S–.07	81.47W–.08	10–1	5.1,5.1b		
VAO	XI	05 23 19 51.0–.57	6.04S	81.30W	10	5.1b,5.1b		
GFZ	XI	05 23 19 52.2–.25	6S–3.0	81W–6.0	10	5.5L,5.5b		
GCMT	XI	05 23 19 53.9–.20	6.07S–.01	81.67W–.01	16–0	5.1W,5.5b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

VAO Event type se. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111052319A. Moment Tensor Solution. s64,c89; s120,c193; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.79±.10 $M_{\theta\theta}$-2.93±.08; $M_{\phi\phi}$3.72±.11; $M_{r\theta}$-3.64±.41; $M_{\theta\phi}$-2.87±.08; $M_{\phi r}$-1.37±.30; Best double couple: NP1:ϕ_s120.00000° ,δ67.00000°,λ-155.00000°. NP2:ϕ_s19.00000°,δ67.00000°,λ-25.00000°. Principal axes: T 4.7870,Plg0.0000°,Azm70.0000°; N 1.8120,Plg56.0000°,Azm160.0000° ; P -6.6010,Plg34.0000°,Azm340.0000° $M_0$5.69400×10^{16}

(110) Peru-Ecuador border region.

ISC	**VII**	**16 20 42 48.9–.65**	**3.52S–.04**	**77.29W–.05**	**12–3**	**5.2b,4.4s**	**561**	**2-165**
IDC	VII	16 20 42 44.5–.37	2.96S	77.47W	0	4.4b,4.4		**¶620833019**
VAO	VII	16 20 42 47.0–.43	3.50S	77.36W	10	5.2b,4.4		
GFZ	VII	16 20 42 50.0–.12	4S–2.0	77W–4.0	10	5.2b,5.0		
NEIC	VII	16 20 42 49.2–1.4	3.55S–.03	77.18W–.08	10–1	5.2b,4.9		
GCMT	VII	16 20 42 54.8–.30	3.58S–.02	77.28W–.02	30–0	5.0W,4.9		

ISC Event type se.

VAO Event type se. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107162042A. Moment Tensor Solution. s63,c74; s83,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.65±.18 $M_{\theta\theta}$-0.29±.10; $M_{\phi\phi}$-4.35±.13; $M_{r\theta}$0.28±.15; $M_{\theta\phi}$-0.60±.07; $M_{\phi r}$-0.62±.17; Best double couple: NP1:ϕ_s12.00000°,δ42.00000° ,λ96.00000°. NP2:ϕ_s184.00000°,δ49.00000°,λ84.00000°. Principal axes: T 4.7120,Plg84.0000°,Azm49.0000°; N -0.2320,Plg4.0000°,Azm188.0000° ; P -4.4730,Plg4.0000°,Azm278.0000° $M_0$4.59300×10^{16}

ISC	**VII**	**24 19 49 23.4–.75**	**3.73S–.04**	**80.45W–.08**	**50**	**3.6b**	**35**	**1-139**
IDC	VII	24 19 49 17.5–.99	3.29S	79.58W	0	3.9L,3.8		**¶620970244**

ISC Event type se.

IDC Error ellipse: s-maj=91.2km s-min=10.7km az=70.0.

ISC	**VIII**	**01 07 07 14.3–.51**	**4.94S–.05**	**80.67W–.06**	**42**	**4.2b**	**81**	**1-146**
NEIC	VIII	01 07 07 14.7–.94	4.91S–.03	80.66W–.09	35–2	4.3b		**¶620925419**
IDC	VIII	01 07 07 17.0–2.8	4.94S	80.65W	62–29	4.1L,3.8		
VAO	VIII	01 07 07 22.6–1.2	4.72S	79.94W	72	4.3b,3.8		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=16.3km s-min=3.0km az=251.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=48.5km s-min=18.1km az=54.0.

VAO Event type se. Error ellipse: s-maj=6.2km s-min=14.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**30 20 14 09.6–.44**	**4.93S–.04**	**80.77W–.07**	**43**	**4.4b**	**91**	**1-167**
RSNC	VII	30 20 14 07.4–.90	5S–3.0	81W–5.0	12–5	5.3b,5.0b		**¶620986088**
NEIC	VII	30 20 14 09.7–1.5	4.90S–.06	80.7W–.10	39–5	4.5b,5.0b		
IDC	VII	30 20 14 13.3–2.3	4.91S	80.77W	73–21	4.0,3.6b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.3km s-min=8.4km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=31.0km s-min=14.1km az=60.0.

ISC	**VIII**	**16 06 50 01.5–.35**	**4.96S–.04**	**80.72W–.06**	**42**	**4.6b**	**255**	**1-149**
VAO	VIII	16 06 49 52.9–.79	5.26S	80.98W	10	4.6b		**¶620987305**
NEIC	VIII	16 06 50 04.4–1.1	4.96S–.07	80.65W–.02	63–7	4.6b		
GFZ	VIII	16 06 50 05.2–.17	5S–3.0	81W–6.0	69	4.5b,4.5		
IDC	VIII	16 06 50 05.6–2.0	4.94S	80.65W	79–18	4.2,4.1s		

ISC Event type se.

VAO Event type se. Error ellipse: s-maj=3.9km s-min=7.9km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=9.5km s-min=2.7km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

IDC Error ellipse: s-maj=22.5km s-min=10.8km az=65.0.

ISC	**VIII**	**15 05 40 02.0–.27**	**3.65S–.03**	**77.08W–.04**	**94–2**	**5.4b**	**1034**	**2-165**
GFZ	VIII	15 05 39 54.1	3.41S	76.80W	87	5.3W		**¶620986842**
BJI	VIII	15 05 40 01.6	3.70S	77.10W	85	5.4b,5.3s		
NEIC	VIII	15 05 40 02.3	3.69S	77.07W	89	5.4b,5.3s		
MOS	VIII	15 05 40 02.6–.97	3.65S	77.19W	106	5.4b,5.3s		
IDC	VIII	15 05 40 02.1–.41	3.65S	77.11W	94–3	5.0,4.7b		
GFZ	VIII	15 05 40 02.8–.18	4S–1.0	77W–3.0	93–1	5.2b,5.2		
NEIC	VIII	15 05 40 02.6–1.4	3.69S–.07	77.05W–.09	96–5	5.4b,5.2		
VAO	VIII	15 05 40 03.6–.59	3.74S	77.01W	103–6	5.2b,5.2		
GCMT	VIII	15 05 40 05.3–.10	3.75S–.01	77.14W–.01	116–0	5.4W,5.2		
NEIC	VIII	15 05 40 09.6	3.69S	77.07W	90	5.4,5.2		
CATAC	VIII	15 05 40 14.4–.79	3S–6.0	77W–6.0	116–9	5.5b,5.4		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01 $M_{\theta\theta}$0.48 $M_{\phi\phi}$0.53 $M_{r\theta}$-0.66 $M_{\theta\phi}$-0.29 $M_{\phi r}$0.38 NP1: ϕ_s127.23242°,δ64.96062°,λ-96.39647°. NP2:ϕ_s322.06790°,δ25.79234°,λ-76.58629°. Principal axes: T 1.0594,Plg19.7177°,Azm222.0328°; N 0.2387,Plg5.7931°,Azm129.9489° ; P -1.2981,Plg69.3804°,Azm24.3062° $M_0$1.19672×10^{17}

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

VAO Event type se. Presumed earthquake.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108150540A. Moment Tensor Solution. s134,c229; s140,c281;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.39±.02 $M_{\theta\theta}$0.59±.02; $M_{\phi\phi}$0.80±.03; $M_{r\theta}$-0.76±.01; $M_{\theta\phi}$-0.53±.02; $M_{\phi r}$0.47±.02; Best double couple: NP1: ϕ_s328.00000°,δ29.00000°,λ-75.00000°. NP2:ϕ_s131.00000°,δ62.00000°,λ-98.00000°. Principal axes: T 1.4910,Plg17.0000°,Azm227.0000°; N 0.1950,Plg7.0000°,Azm135.0000° ; P -1.6830,Plg72.0000°,Azm22.0000° $M_0$1.58700×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.19 $M_{\theta\theta}$0.48 $M_{\phi\phi}$0.71 $M_{r\theta}$-0.65 $M_{\theta\phi}$-0.60 $M_{\phi r}$0.37 NP1:ϕ_s331.06000°,δ30.72000° ,λ-71.38000°. NP2:ϕ_s129.66000°,δ61.04000°,λ-100.74000°. Principal axes: T 1.3949,Plg15.0000°,Azm228.0000°; N 0.0281,Plg9.0000°,Azm135.0000° ; P -1.4231,Plg72.0000°,Azm15.0000° $M_0$1.41000×10^{17}

CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VIII**	**17 18 59 35.6–.42**	**4.86S–.05**	**80.61W–.07**	**42**	**4.5b**	**103**	**3-166**
IDC	VIII	17 18 59 29.7–.59	4.66S	80.46W	0	4.4L,4.1		**¶620993341**
VAO	VIII	17 18 59 33.1–1.7	5.04S	80.61W	10	4.4b,4.1		
NEIC	VIII	17 18 59 39.6–.99	4.85S–.02	80.4W–.10	74–7	4.5b,4.1		

ISC Event type se.

VAO Event type se. Presumed earthquake.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**19 21 28 44.0–1.8**	**1.98S–.08**	**75.12W–.06**	**10**		**54**	**3-8**
CATAC	VIII	19 21 28 42.1–.96	3S–7.0	75W–5.0	1	4.7,4.5		**¶625172356**
RSNC	VIII	19 21 28 46.1–.60	2S–3.0	75W–3.0	25–7	5.3b,4.7		

ISC Event type se.

CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**VIII**	**31 09 11 03.5–.91**	**3.27S–.03**	**78.21W–.03**	**32–5**	**4.6b,3.5s**	**411**	**0-148**
IDC	VIII	31 09 10 59.7–.48	3.19S	77.99W	0	4.1L,4.1b		**¶621011472**
IGQ	VIII	31 09 11 04.3–.17	3S–1.0	78W–2.0	2	5.3L,5.1		
VAO	VIII	31 09 11 06.9–.49	3.34S	77.99W	55	4.7b,5.1		
CATAC	VIII	31 09 11 06.6–.84	3S–3.0	78W–4.0	37–17	5.5,5.2b		
NEIC	VIII	31 09 11 10.4–.95	3.17S–.08	78.1W–.10	89–6	4.6b,5.2b		
GFZ	VIII	31 09 11 11.3–.17	3S–4.0	78W–8.0	95	4.5b,4.5		

ISC Event type se.
VAO Event type se. Presumed earthquake.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.39 Mθθ0.75 Mϕϕ-1.14 Mrθ0.22 Mθϕ-0.48 Mϕr-0.49 NP1:ϕ_s152.99243°,δ80.15926°,λ31.68512°. NP2:ϕ_s56.97029°,δ58.83380°,λ168.47833°. Principal axes: T 1.0501,Plg29.1302°,Azm19.4543°; N 0.3122,Plg56.9744°,Azm168.4692° ; P -1.3623,Plg14.1873°,Azm281.3554° $M_0$1.23613×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.38 Mθθ0.74 Mϕϕ-1.12 Mrθ0.22 Mθϕ-0.49 Mϕr-0.52 NP1:ϕ_s153.55911°,δ80.37609°,λ32.82532°. NP2:ϕ_s57.40384°,δ57.69335°,λ168.59169°. Principal axes: T 1.0581,Plg29.7441°,Azm20.3733°; N 0.3083,Plg55.9450°,Azm168.0883° ; P -1.3664,Plg15.0522°,Azm281.5338° $M_0$1.24130×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.39 Mθθ0.75 Mϕϕ-1.14 Mrθ0.22 Mθϕ-0.48 Mϕr-0.49 NP1:ϕ_s152.99115°,δ80.15590°,λ31.65569°. NP2:ϕ_s56.97386°,δ58.86298°,λ168.47799°. Principal axes: T 1.0498,Plg29.1126°,Azm19.4450°; N 0.3121,Plg57.0015°,Azm168.4898° ; P -1.3619,Plg14.1666°,Azm281.3643° $M_0$1.23573×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.40 Mθθ0.75 Mϕϕ-1.14 Mrθ0.22 Mθϕ-0.48 Mϕr-0.46 NP1:ϕ_s152.88438°,δ79.58997°,λ30.71742°. NP2:ϕ_s56.75652°,δ59.84132°,λ167.93746°. Principal axes: T 1.0360,Plg28.8826°,Azm18.9165°; N 0.3123,Plg57.7305°,Azm169.7993° ; P -1.3483,Plg13.1488°,Azm281.5126° $M_0$1.22249×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.22 Mθθ-0.34 Mϕϕ0.12 Mrθ-0.53 Mθϕ1.23 Mϕr-0.54 NP1:ϕ_s170.66908°,δ67.59992°,λ160.33605°. NP2:ϕ_s268.42352°,δ71.87374°,λ23.63887°. Principal axes: T 1.5682,Plg29.3043°,Azm130.4503°; N -0.1977,Plg60.5317°,Azm303.8285° ; P -1.3705,Plg2.8355°,Azm38.8573° $M_0$1.47930×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-0.55 Mθθ-1.01 Mϕϕ1.56 Mrθ-0.60 Mθϕ0.77 Mϕr0.09 NP1:ϕ_s154.47969°,δ67.60106°,λ-158.96095°. NP2:ϕ_s56.14118°,δ70.61474°,λ-23.82561°. Principal axes: T 1.7728,Plg1.9911°,Azm105.8075°; N -0.2004,Plg59.6459°,Azm199.2108° ; P -1.5725,Plg30.2748°,Azm14.6447° $M_0$1.68163×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr2.65 Mθθ4.91 Mϕϕ-7.56 Mrθ0.87 Mθϕ-2.96 Mϕr-3.09 NP1:ϕ_s151.59159°,δ81.97414°,λ28.94521°. NP2:ϕ_s57.17608°,δ61.36471°,λ170.84667°. Principal axes: T 6.3183,Plg25.9505°,Azm18.1067°; N 2.6036,Plg60.0558°,Azm165.7599° ; P -8.9219,Plg13.8949°,Azm281.1920° $M_0$7.94667×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr2.72 Mθθ4.98 Mϕϕ-7.70 Mrθ0.36 Mθϕ-3.28 Mϕr0.68 NP1:ϕ_s148.58909°,δ84.81399°,λ-0.18475°. NP2:ϕ_s238.60579°,δ89.81600°,λ-174.81397°. Principal axes: T 5.7921,Plg3.5342°,Azm13.4801°; N 2.7557,Plg84.8107°,Azm240.6322° ; P -8.5478,Plg3.7949°,Azm103.7148° $M_0$7.55668×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr2.65 Mθθ4.91 Mϕϕ-7.56 Mrθ0.87 Mθϕ-2.96 Mϕr-3.09 NP1:ϕ_s151.59159°,δ81.97414°,λ28.94521°. NP2:ϕ_s57.17608°,δ61.36471°,λ170.84667°. Principal axes: T 6.3183,Plg25.9505°,Azm18.1067°; N 2.6036,Plg60.0558°,Azm165.7599° ; P -8.9219,Plg13.8949°,Azm281.1920° $M_0$7.94667×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.99 Mθθ4.73 Mϕϕ-6.72 Mrθ0.79 Mθϕ-3.03 Mϕr-5.02 NP1:ϕ_s154.87408°,δ84.54886°,λ40.09017°. NP2:ϕ_s60.30204°,δ50.12760°,λ172.88978°. Principal axes: T 6.7145,Plg31.3648°,Azm25.5625°; N 2.7241,Plg49.6030°,Azm161.3128° ; P -9.4386,Plg22.7145°,Azm280.7791° $M_0$8.41403×10^{15}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**IX**	**16 12 06 50.6–.76**	**3.36S–.04**	**80.28W–.05**	**43–7**	**3.9b**	**128**	**0-55**
IDC	IX	16 12 06 45.3–.90	3.02S	79.76W	0	4.1,3.9L		**¶621112885**
IGQ	IX	16 12 06 50.1–.23	3S–1.0	80W–2.0	26–1	5.4b,5.1b		

ISC Event type se.

ISC	**VIII**	**31 11 36 33.7–.72**	**3.35S–.02**	**78.31W–.03**	**10**		**106**	**0-19**
IGQ	VIII	31 11 36 32.9–.21	3S–1.0	78W–2.0	0	4.7,4.6		**¶625388040**
CATAC	VIII	31 11 36 34.8–.46	3S–4.0	78W–6.0	1	4.9b,4.8		

ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr0.50 Mθθ1.25 Mϕϕ-1.76 Mrθ0.45 Mθϕ-0.47 Mϕr0.04 NP1:ϕ_s145.93804°,δ71.59354°,λ15.23370°. NP2:ϕ_s51.02335°,δ75.56307°,λ160.97068°. Principal axes: T 1.5167,Plg23.5510°,Azm7.8430°; N 0.3155,Plg66.2769°,Azm195.1617° ; P -1.8322,Plg2.6928°,Azm99.0177° $M_0$1.69656×10^{15} Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr0.51 Mθθ1.24 Mϕϕ-1.75 Mrθ0.45 Mθϕ-0.46 Mϕr0.07 NP1:ϕ_s145.84994°,δ70.79430°,λ14.95875°. NP2:ϕ_s50.82706°,δ75.89160°,λ160.17235°. Principal axes: T 1.5063,Plg23.8894°,Azm7.5055°; N 0.3245,Plg65.8310°,Azm196.7669° ; P -1.8307,Plg3.4540°,Azm99.0374° $M_0$1.69198×10^{15}

ISC	**IX**	**02 20 34 44.6–1.3**	**2.11S–.02**	**77.58W–.03**	**8–11**		**114**	**0-9**
IGQ	IX	02 20 34 45.5–.39	2S–3.0	78W–3.0	8–3	4.2,4.2		**¶625152205**
CATAC	IX	02 20 34 48.1–.72	2S–3.0	78W–5.0	1	4.4,4.4		

ISC Event type se.
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**19 12 23 13.7–1.1**	**3.10S–.02**	**78.29W–.03**	**10–7**	**4.5b,3.5s**	**314**	**1-164**
IGQ	IX	19 12 23 15.5–.21	3S–1.0	78W–2.0	6	4.9L,4.7		**¶621083119**
VAO	IX	19 12 23 18.3–.84	3.05S	77.65W	8–5	4.6b,4.7		
NEIC	IX	19 12 23 19.4–1.1	3.16S–.04	77.94W–.06	36–6	4.6b,4.7		
GFZ	IX	19 12 23 19.3–.16	3S–4.0	78W–9.0	56	5.6b,5.1		
IDC	IX	19 12 23 23.0–1.7	3.37S	78.21W	92–17	4.1,3.7b		

ISC Event type se.
VAO Event type se. Error ellipse: s-maj=4.1km s-min=5.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.8km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=19.9km s-min=10.3km az=60.0.

ISC	**XII**	**06 06 30 50.2–.39**	**2.81S–.03**	**77.26W–.04**	**25–2**	**5.1b,3.9s**	**581**	**0-164**
IDC	XII	06 06 30 46.6–.38	2.68S	77.17W	0	4.9b,4.9		**¶621613037**
NEIC	XII	06 06 30 48.7–1.1	2.76S–.08	77.20W–.10	10–1	5.1b,4.9		
VAO	XII	06 06 30 49.7–.30	2.79S	77.01W	10	5.1b,4.9		
IGQ	XII	06 06 30 52.8–.41	3S–2.0	77W–3.0	14–2	5.8L,5.3		
GFZ	XII	06 06 30 52.6–.19	3S–3.0	77W–5.0	35–1	5.4b,5.1b		
CATAC	XII	06 06 30 53.7–.42	3S–3.0	77W–4.0	61–5	5.7,5.3b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.04 Mθθ1.05 Mϕϕ-1.01 Mrθ-0.80 Mθϕ-1.54 Mϕr-2.10 NP1:ϕ_s345.90516°,δ81.78911°,λ-41.07001°. NP2:ϕ_s82.99947°,δ49.43984°,λ-169.16476°. Principal axes: T 1.9808,Plg21.0269°,Azm41.0766°; N 1.3553,Plg48.2605°,Azm156.5978° ; P -3.3361,Plg34.1098°,Azm295.9854° $M_0$2.90606×10^{17}

ISC	**XI**	**22 15 13 35.5–.48**	**3.26S–.04**	**80.76W–.06**	**35**	**4.3b,3.3s**	**111**	**1-139**
IGQ	XI	22 15 13 32.6–.49	3S–2.0	81W–3.0	12–2	4.4,4.3		**¶621611919**
NEIC	XI	22 15 13 37.6–1.2	3.23S–.07	80.6W–.10	47–6	4.4b,4.3		
IDC	XI	22 15 13 40.0–2.7	3.46S	80.89W	89–27	3.9,3.6b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=9.8km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.5km s-min=17.7km az=59.0.

ISC	**XII**	**06 11 34 10.4–1.2**	**2.81S–.04**	**77.79W–.06**	**9**		**53**	**1-7**
IGQ	XII	06 11 34 14.0–.60	3S–3.0	78W–5.0	12	3.9,3.9L		**¶625157708**

ISC Event type se.

ISC	**XII**	**31 17 54 19.0–.70**	**3.92S–.05**	**80.3W–.10**	**57**	**3.8b**	**35**	**0-84**
IDC	XII	31 17 54 12.3–.89	3.60S	80.01W	0	3.9L,3.8		**¶621726074**
NEIC	XII	31 17 54 19.8–2.2	3.94S–.05	80.2W–.20	68–4	4.1b,3.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(111) Northern Peru.

ISC	**VII**	**21 15 07 34.5–.45**	**5.18S–.04**	**79.00W–.06**	**30–2**	**4.9b**	**392**	**1-167**
IDC	VII	21 15 07 30.2–.39	5.16S	79.10W	0	4.9s,4.6		**¶620842805**
VAO	VII	21 15 07 33.5–.51	5.14S	78.66W	10	5.2b,4.6		
GFZ	VII	21 15 07 33.9–.21	5S–3.0	79W–6.0	10	5.0b,5.0		
GCMT	VII	21 15 07 34.3–.40	5.06S–.02	79.16W–.04	27–1	5.3W,5.0		
NEIC	VII	21 15 07 35.2–1.2	5.21S–.06	78.98W–.10	32–4	4.9b,5.0		

ISC Event type se.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107211507A. Moment Tensor Solution. s12,c14; s78,c90; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.59±.10 Mθθ0.81±.06; Mϕϕ-0.21±.06; Mrθ0.12±.08; Mθϕ-0.49±.04; Mϕr-0.46±.12; Best double couple: NP1:ϕ_s79.00000°,δ46.00000°,λ-144.00000°. NP2:ϕ_s322.00000°,δ65.00000°,λ-50.00000°. Principal axes: T 1.0590,Plg11.0000°,Azm25.0000°; N -0.1350,Plg36.0000°,Azm122.0000° ; P -0.9230,Plg52.0000°,Azm281.0000° $M_0$0.99100×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**02 00 03 01.4–.46**	**3.12S–.05**	**76.38W–.06**	**35**	**4.5b,3.1s**	**118**	**3-128**
IDC	XI	02 00 02 56.5–.68	3.00S	76.42W	0	4.0b,4.0		**¶621252424**
NEIC	XI	02 00 02 58.9–1.8	3.06S–.04	76.35W–.09	10–1	4.5b,4.0		
VAO	XI	02 00 03 02.8–.56	3.03S	76.34W	54	4.5b,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=9.9km az=96.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=5.0km az=249.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=8.2km s-min=8.8km az=-1.0. Presumed earthquake.

RSNC	**VIII**	**04 03 40 47.7–.50**	**5S–3.0**	**77W–3.0**	**0**	**5.0b,4.6b**		**¶626344546**
ISC	**IX**	**02 08 42 17.5–.29**	**3.81S–.04**	**76.35W–.05**	**105–2**	**4.8b**	**352**	**3-165**
IDC	IX	02 08 42 17.9–.39	3.86S	76.41W	108–3	4.4,4.0b		**¶621022471**
NEIC	IX	02 08 42 17.8–.95	3.85S–.03	76.27W–.06	104–5	4.9,4.8b		
VAO	IX	02 08 42 18.1–.37	3.82S	76.14W	83	4.8b,4.8b		
GFZ	IX	02 08 42 19.6–.14	4S–3.0	76W–5.0	115	4.8,4.8b		
GCMT	IX	02 08 42 21.2–.20	3.88S–.02	76.52W–.03	116–2	4.9W,4.8b		
CATAC	IX	02 08 42 37.5–.63	2S–5.0	77W–3.0	1	4.9,4.9b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109020842A. Moment Tensor Solution. s51,c62; s96,c139; Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.56±.07 Mθθ1.53±.10; Mϕϕ1.03±.13; Mrθ0.42±.07; Mθϕ1.30±.07; Mϕr-0.73±.09; Best double couple: NP1:ϕ_s246.00000°,δ46.00000°,λ-66.00000°. NP2:ϕ_s34.00000°,δ49.00000°,λ-112.00000°. Principal axes: T 2.6080,Plg2.0000°,Azm140.0000°; N 0.2040,Plg17.0000°,Azm49.0000° ; P -2.8120,Plg73.0000°,Azm235.0000° $M_0$2.71000×10^{16}
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-1.91 Mθθ1.59 Mϕϕ0.32 Mrθ0.29 Mθϕ-0.32 Mϕr-0.28 NP1:ϕ_s98.42510°,δ39.79694°,λ-98.22641°. NP2:ϕ_s289.08171°,δ50.69247°,λ-83.20236°. Principal axes: T 1.6986,Plg5.4711°,Azm14.2587°; N 0.2642,Plg5.2548°,Azm104.7634° ; P -1.9629,Plg82.4030°,Azm238.3592° $M_0$1.84499×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-1.66 Mθθ0.94 Mϕϕ0.72 Mrθ0.26 Mθϕ0.42 Mϕr-0.20 NP1:ϕ_s44.26452°,δ43.91208°,λ-102.21054°. NP2:ϕ_s240.98411°,δ47.32309°,λ-78.49070°. Principal axes: T 1.2694,Plg1.7238°,Azm322.8697°; N 0.4428,Plg8.4351°,Azm53.1254° ; P -1.7121,Plg81.3880°,Azm221.4080° $M_0$1.53926×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-1.03 Mθθ0.63 Mϕϕ0.40 Mrθ-1.07 Mθϕ-0.92 Mϕr0.12 NP1:ϕ_s107.30406°,δ67.51643°,λ-115.46319°. NP2:ϕ_s338.53665°,δ33.46380°,λ-43.91008°. Principal axes: T 1.7446,Plg18.6316°,Azm216.0166°; N -0.1430,Plg23.4065°,Azm117.6247° ; P -1.6016,Plg59.3507°,Azm340.6953° $M_0$1.67763×10^{16}

RSNC	**X**	**05 20 04 21.0–.50**	**3S–4.0**	**75W–5.0**	**0**	**5.2b,4.6**		**¶635679912**
ISC	**XI**	**26 21 48 36.1–.24**	**6.57S–.03**	**75.81W–.04**	**121–1**	**5.0b**	**578**	**3-167**
MOS	XI	26 21 48 34.3–1.0	6.50S	75.87W	109	5.3b		**¶621476312**
NEIC	XI	26 21 48 34.9–1.4	6.65S–.07	75.86W–.08	105–5	5.1b		
IDC	XI	26 21 48 36.1–.37	6.56S	75.88W	116–3	4.8,4.4b		
VAO	XI	26 21 48 37.3–.31	6.48S	75.68W	131–1	4.8b,4.4b		
GCMT	XI	26 21 48 39.7–.30	6.51S–.02	75.81W–.02	120–3	4.9W,4.4b		
GFZ	XI	26 21 48 40.2–.51	7S–3.0	76W–6.0	143–6	5.2b,4.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111262148A. Moment Tensor Solution. s27,c28; s98,c115; Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.39±.07 Mθθ-1.15±.11; Mϕϕ3.55±.13; Mrθ-0.60±.06; Mθϕ-0.40±.12; Mϕr0.23±.10; Best double couple: NP1:ϕ_s16.00000°,δ46.00000°,λ-59.00000°. NP2:ϕ_s155.00000°,δ52.00000°,λ-118.00000°. Principal axes: T 3.5980,Plg3.0000°,Azm265.0000°; N -0.9520,Plg22.0000°,Azm174.0000° ; P -2.6350,Plg68.0000°,Azm2.0000° $M_0$3.11700×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**03 17 23 39.9–.58**	**2.10S–.04**	**74.51W–.04**	**10**	**4.2b**	**67**	**2-144**
IDC	XI	03 17 23 39.0–.96	2.14S	74.50W	0	3.9,3.8b		**¶621412253**
NEIC	XI	03 17 23 40.1–2.0	2.08S–.07	74.47W–.09	10–1	4.4b,3.8b		
RSNC	XI	03 17 23 40.2–.50	2S–3.0	75W–3.0	0	5.3b,4.8b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**21 10 57 23.7–.34**	**6.90S–.04**	**76.02W–.05**	**114**	**4.5b**	**164**	**2-168**
IDC	XI	21 10 57 24.0–.65	6.88S	75.98W	117–5	4.2,3.8b		**¶621427888**
NEIC	XI	21 10 57 24.9–.83	6.98S–.07	76.01W–.09	119–6	4.5b,3.8b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**28 10 52 14.0–.20**	**4.50S–.02**	**76.82W–.03**	**119–1**	**6.7b**	**2864**	**3-175**
BJI	XI	28 10 52 12.0	4.50S	76.70W	100	7.0b		**¶621480794**
GFZ	XI	28 10 52 13.6–.06	4S–1.0	77W–2.0	102	7.3,7.2		
GFZ	XI	28 10 52 13.6	4.43S	76.76W	111	7.4W,7.2		
IDC	XI	28 10 52 13.5–1.1	4.43S	76.86W	114–9	6.5s,6.3		
NEIC	XI	28 10 52 13.2	4.49S	76.83W	109	6.5s,6.3		
VAO	XI	28 10 52 13.9–.27	4.42S	76.74W	123–2	6.8b,6.3		
MOS	XI	28 10 52 13.8–1.0	4.41S	77.02W	124	6.6b,6.5s		
IPGP	XI	28 10 52 13.0	4.49S	76.85W	123	7.5W,6.5s		
PTWC	XI	28 10 52 14	4.50S	76.70W	99	7.4,6.5s		
NEIC	XI	28 10 52 14.6–1.2	4.47S–.05	76.81W–.04	126–1	7.4,6.8b		
NEIC	XI	28 10 52 14.5	4.47S	76.82W	126	7.4,6.8b		
OSUNB	XI	28 10 52 15.6–.33	4.59S	76.75W	129–2	7.2W,6.8b		
GCMT	XI	28 10 52 25.2–.10	4.73S	76.73W	110–0	7.5W,6.8b		
NEIC	XI	28 10 52 37.6	4.89S	77.03W	110	7.5,6.8b		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; Mrr-1.62 Mθθ0.19 Mϕϕ1.42 Mrθ-0.05 Mθϕ-0.64 Mϕr0.33 NP1:ϕ_s159.96820°,δ50.61082°,λ-86.24780°. NP2:ϕ_s334.06783°,δ39.53852°,λ-94.55687°. Principal axes: T 1.7250,Plg5.5434°,Azm247.3035°; N -0.0721,Plg2.8991°,Azm337.5851° ; P -1.6529,Plg83.7401°,Azm95.0798° $M_0$1.69007×10^{20}
IDC Error ellipse: s-maj=9.7km s-min=6.4km az=61.0.
NEIC Event type se.
VAO Event type se. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. Presumed earthquake.

MOS Error ellipse: s-maj=7.2km s-min=4.4km az=82.2.
IPGP Moment Tensor Solution. NP1:ϕ_s335.00000°,δ39.00000°,λ-94.00000°. NP2:ϕ_s160.00000° ,δ51.00000°,λ-87.00000°.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.8km az=325.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}-1.34 $M_{\theta\theta}$0.33 $M_{\phi\phi}$1.01 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.33 NP1:ϕ_s156.86000°,δ52.20000°,λ-85.70000°. NP2:ϕ_s329.86000° ,δ38.01000°,λ-95.53000°. Principal axes: T 1.2807,Plg7.0000°,Azm244.0000° ; N 0.1099,Plg3.0000°,Azm334.0000°; P -1.3905,Plg82.0000°,Azm90.0000° $M_0$1.34000×10^{20}
NEIC Event type se.
OSUNB Event type ke. Error ellipse: s-maj=3.0km s-min=3.8km az=0.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. ID: C202111281052A. Moment Tensor Solution. s172,c458; s171,c877;Duration: 13s3 Moment tensor: Scale 10^{20}Nm; M_{rr}-1.90±.01 $M_{\theta\theta}$0.19±.00; $M_{\phi\phi}$1.71±.00; $M_{r\theta}$-0.21±.00; $M_{\theta\phi}$-0.79±.00; $M_{\phi r}$0.47±.01; Best double couple: NP1:ϕ_s337.00000°,δ38.00000°,λ-90.00000°. NP2:ϕ_s157.00000°,δ52.00000°,λ-90.00000°. Principal axes: T 2.1150,Plg7.0000°,Azm247.0000°; N -0.1490,Plg0.0000°,Azm157.0000° ; P -1.9660,Plg83.0000°,Azm66.0000° $M_0$2.04100×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 28s9 Moment tensor: Scale 10^{20}Nm; M_{rr}-1.96 $M_{\theta\theta}$0.20 $M_{\phi\phi}$1.77 $M_{r\theta}$-0.22 $M_{\theta\phi}$-0.69 $M_{\phi r}$0.60 NP1:ϕ_s339.02000°,δ36.09000° ,λ-90.48000°. NP2:ϕ_s159.61000°,δ53.91000°,λ-89.65000°. Principal axes: T 2.1268,Plg9.0000°,Azm249.0000°; N -0.0655,Plg0.0000°,Azm339.0000° ; P -2.0614,Plg81.0000°,Azm71.0000° $M_0$2.09000×10^{20}

ISC	**XII**	**19 08 32 25.8–.64**	**4.62S–.04**	**77.60W–.05**	**100**	**3.7b**	**81**	**2-42**
IDC	XII	19 08 32 22.5–1.6	4.85S	77.25W	0	3.6,3.5b		**¶621657067**
NEIC	XII	19 08 32 26.0–1.7	4.71S–.07	77.74W–.08	73–12	4.1b,3.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC	**XII**	**13 13 28 45.5–2.5**	**4.37S–.09**	**75.8W–.20**	**99–5**	**4.5b**		
								¶622512160

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**14 16 52 10.2–.61**	**3.49S–.07**	**75.33W–.08**	**10**	**4.4b**	**49**	**4-143**
IDC	XII	14 16 52 08.7–2.4	3.42S	75.05W	0	4.0,3.8b		**¶621652938**
NEIC	XII	14 16 52 10.0–.54	3.5S–.10	75.0W–.10	10–2	4.4b,3.8b		
RSNC	XII	14 16 52 14.8–.40	3S–4.0	76W–4.0	0	5.3b,4.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

RSNC	**XII**	**19 01 56 46.9–.40**	**3S–3.0**	**76W–3.0**	**0**	**5.2b,4.6**		
								¶635873976
ISC	**XII**	**04 11 41 30.7–.35**	**5.83S–.03**	**77.34W–.06**	**150**	**4.3b**	**126**	**2-146**
RSNC	XII	04 11 41 29.8–.40	6S–3.0	77W–4.0	85–13	5.1b,4.5b		**¶621630665**
IDC	XII	04 11 41 30.8–.73	5.86S	77.46W	130–7	4.2,3.8b		
NEIC	XII	04 11 41 30.6–1.5	5.87S–.08	77.22W–.10	129–6	4.4b,3.8b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**29 08 12 08.6–.45**	**7.95S–.05**	**75.46W–.07**	**50**	**4.4b**	**75**	**3-140**
IDC	XII	29 08 12 08.3–2.4	7.93S	75.45W	48–24	3.8,3.6L		**¶621724189**
NEIC	XII	29 08 12 09.2–1.7	7.94S–.04	75.54W–.06	47–7	4.6b,3.6L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**31 17 17 57.0–.33**	**5.59S–.05**	**76.17W–.05**	**100**	**4.5b**	**163**	**3-166**
NEIC	XII	31 17 17 58.9–1.3	5.55S–.06	76.17W–.06	111–4	4.5b		**¶621726071**
IDC	XII	31 17 17 59.0–1.7	5.56S	76.23W	121–16	4.2,3.8b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.6km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=12.8km az=68.0.

(112) Peru-Brazil border region.

ISC	**VII**	**11 09 32 10.9–.47**	**8.08S–.04**	**74.56W–.04**	**151**	**4.2b**	**71**	**2-147**
RSNC	VII	11 09 31 46.6–.50	9S–7.0	70W–7.0	612–13	5.4b,4.8		**¶620928417**
VAO	VII	11 09 32 10.6–.47	8.02S	74.55W	153–4	4.3b,4.8		
IDC	VII	11 09 32 11.2–2.0	8.11S	74.60W	146–18	3.7,3.1b		
NEIC	VII	11 09 32 11.1–2.4	8.06S–.05	74.62W–.07	148–11	4.3b,3.1b		

ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**01 22 18 07.3–.31**	**8.27S–.04**	**74.34W–.04**	**154–2**	**4.8b**	**371**	**2-150**
GFZ	VIII	01 22 18 06.4–.16	8S–3.0	74W–4.0	130	4.8b,4.8		**¶620925850**
VAO	VIII	01 22 18 07.0–.37	8.26S	74.34W	166	4.8,4.8		
IDC	VIII	01 22 18 07.3–.45	8.26S	74.37W	152–3	4.6,4.2b		
NEIC	VIII	01 22 18 08.1–1.3	8.24S–.07	74.28W–.06	154–5	4.8b,4.2b		
GCMT	VIII	01 22 18 10.5–.40	8.31S–.03	74.42W–.03	186–5	4.9W,4.2b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108012218A. Moment Tensor Solution. s7,c7; s81,c99; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.81±.14 $M_{\theta\theta}$0.36±.15; $M_{\phi\phi}$-1.17±.19; $M_{r\theta}$-0.24±.09; $M_{\theta\phi}$0.37±.18; $M_{\phi r}$-2.65±.14; Best double couple: NP1:ϕ_s320.00000°,δ14.00000° ,λ45.00000°. NP2:ϕ_s185.00000°,δ80.00000°,λ100.00000°. Principal axes: T 2.7210,Plg54.0000°,Azm107.0000°; N 0.2950,Plg10.0000°,Azm3.0000° ; P -3.0160,Plg35.0000°,Azm267.0000° $M_0$2.86900×10^{16}

ISC	**VIII**	**09 21 21 37.3–.40**	**8.14S–.05**	**74.57W–.05**	**151**	**4.3b**	**88**	**2-148**
IDC	VIII	09 21 21 35.9–1.7	8.03S	74.45W	136–16	4.2,3.7b		**¶620983020**
NEIC	VIII	09 21 21 37.9–1.5	8.15S–.06	74.56W–.06	152–5	4.4b,3.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**20 20 44 17.7–.52**	**7.97S–.05**	**74.52W–.05**	**151**	**4.1b**	**44**	**2-82**
IDC	VIII	20 20 44 16.6–1.9	7.81S	74.36W	137–20	4.1,3.8b		**¶620999171**
NEIC	VIII	20 20 44 18.5–2.7	7.96S–.05	74.53W–.06	157–8	4.3b,3.8b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 01 14 24.8–.42**	**6.92S–.05**	**72.71W–.05**	**35**	**4.8b**	**85**	**1-146**
IDC	IX	09 01 14 19.9–.56	6.78S	72.74W	0	4.1b,4.1		**¶621105816**
NEIC	IX	09 01 14 22.5–1.8	6.90S–.04	72.75W–.08	15–4	4.8b,4.1		
OSUNB	IX	09 01 14 22.7–.46	6.89S	72.46W	1–4	4.0,4.1		
VAO	IX	09 01 14 23.3–.39	7.00S	72.85W	16	3.6,4.1		

ISC Event type ke.
IDC Error ellipse: s-maj=11.3km s-min=10.4km az=47.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.5km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSUNB Event type ke. Error ellipse: s-maj=2.9km s-min=3.0km az=0.0.
VAO Event type se. Error ellipse: s-maj=3.4km s-min=4.3km az=-1.0. Presumed earthquake.

ISC	**VIII**	**22 08 28 09.1–.30**	**8.30S–.03**	**74.31W–.03**	**153–2**	**4.9b**	**598**	**2-171**
IDC	VIII	22 08 28 09.1–.42	8.32S	74.29W	150–3	4.8,4.4b		**¶620999442**
NEIC	VIII	22 08 28 09.8–1.1	8.34S–.06	74.38W–.06	159–6	5.0b,4.4b		
GFZ	VIII	22 08 28 09.9–.12	8S–2.0	74W–3.0	152	4.9b,4.8		
VAO	VIII	22 08 28 10.9–.26	8.33S	74.19W	160–1	5.0,4.8		
OSUNB	VIII	22 08 28 11.5–.39	8.39S	74.21W	172–3	5.1b,4.8		
GCMT	VIII	22 08 28 12.2–.30	8.36S–.02	74.29W–.02	170–3	5.0W,4.8		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Presumed earthquake.
OSUNB Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108220828A. Moment Tensor Solution. s20,c21; s106,c141; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.62±.16 $M_{\theta\theta}$-0.46±.17; $M_{\phi\phi}$2.08±.22; $M_{r\theta}$1.82±.10; $M_{\theta\phi}$1.55±.17; $M_{\phi r}$-3.18±.14; Best double couple: NP1:ϕ_s235.00000°,δ31.00000° ,λ-23.00000°. NP2:ϕ_s345.00000°,δ78.00000°,λ-119.00000°. Principal axes: T 3.9610,Plg28.0000°,Azm98.0000°; N 0.7830,Plg29.0000°,Azm351.0000° ; P -4.7450,Plg48.0000°,Azm223.0000° $M_0$4.35300×10^{16}

ISC	**X**	**01 03 06 33.4–.45**	**8.28S–.05**	**74.85W–.05**	**136**	**4.3b**	**76**	**2-144**
IDC	X	01 03 06 32.3–1.8	8.05S	74.77W	128–19	4.2,3.8b		**¶621113761**
NEIC	X	01 03 06 34.7–2.1	8.30S–.08	74.86W–.07	142–7	4.4b,3.8b		
VAO	X	01 03 06 36.0–.47	8.32S	74.64W	140	4.4b,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=11.5km az=41.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.7km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.1km s-min=5.3km az=-1.0. Presumed earthquake.

ISC	**IX**	**27 21 52 34.9–.40**	**6.89S–.04**	**72.75W–.05**	**35**	**4.5b**	**107**	**1-149**
IDC	IX	27 21 52 30.0–.53	6.86S	72.72W	0	4.1,4.0b		**¶621111195**
VAO	IX	27 21 52 31.5–.37	6.81S	72.67W	10	3.9,4.0b		
NEIC	IX	27 21 52 32.2–1.3	6.85S–.04	72.70W–.08	10–1	4.6b,4.0b		
OSUNB	IX	27 21 52 33.0–.92	6.91S	72.77W	7–7	4.0,4.0b		

ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=9.3km az=74.0.
VAO Event type se. Error ellipse: s-maj=3.0km s-min=4.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.5km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSUNB Event type ke. Error ellipse: s-maj=4.3km s-min=5.6km az=0.0.

ISC	**IX**	**27 22 10 48.4–.76**	**6.96S–.08**	**72.76W–.08**	**35**	**3.7b**	**14**	**6-142**
IDC	IX	27 22 10 43.3–.84	6.86S	72.73W	0	3.9L,3.8b		**¶621140744**

ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=12.0km az=15.0.

ISC	**X**	**02 12 52 34.6–.19**	**9.63S–.03**	**71.21W–.03**	**606–1**	**5.7b**	**2229**	**2-178**
VAO	X	02 12 52 33.7–.19	9.57S	71.20W	596	5.6b		**¶621630026**
GFZ	X	02 12 52 34.7	9.57S	71.18W	629	5.9W		
GFZ	X	02 12 52 34.7–.18	10S–1.0	71W–2.0	592–2	5.8b,5.8		
NEIC	X	02 12 52 34.1–1.4	9.59S–.08	71.16W–.10	589–1	6.0,5.8b		
NEIC	X	02 12 52 34.5	9.60S	71.17W	589	6.0,5.8b		
MOS	X	02 12 52 34.6–.91	9.58S	71.28W	607	5.8b,5.8b		
BJI	X	02 12 52 34.5	9.60S	71.20W	600	5.7b,5.8b		
NEIC	X	02 12 52 34.6	9.60S	71.20W	591	5.7b,5.8b		
GCG	X	02 12 52 35.4–2.0	9.62S	70.56W	666–379	5.7b,5.8b		
OSUNB	X	02 12 52 35.6–.20	9.79S	71.16W	620–2	5.5b,5.8b		
IDC	X	02 12 52 35.1–.26	9.52S	71.20W	606–2	5.8,4.9b		
GCMT	X	02 12 52 37.6–.20	9.51S–.02	71.24W–.02	609–2	5.9W,4.9b		
NEIC	X	02 12 52 40	9.60S	71.27W	590	5.9,4.9b		

ISC Event type ke.
VAO Event type se. Error ellipse: s-maj=2.8km s-min=3.0km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-7.92 $M_{\theta\theta}$0.73 $M_{\phi\phi}$7.19 $M_{r\theta}$-0.74 $M_{\theta\phi}$-2.55 $M_{\phi r}$0.83 NP1: ϕ_s157.75974°,δ48.72349°,λ-94.08183°. NP2:ϕ_s343.93369°,δ41.44181°,λ-85.36398°. Principal axes: T 8.1420,Plg3.6461°,Azm250.6507°; N -0.1312,Plg3.0665°,Azm160.4551° ; P -8.0108,Plg85.2331°,Azm30.4821° $M_0$8.07721×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=12.9km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.10 $M_{\theta\theta}$0.21 $M_{\phi\phi}$0.90 $M_{r\theta}$-0.17 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.04 NP1:ϕ_s342.75000°,δ42.67000°,λ-79.97000°. NP2:ϕ_s149.22000° ,δ48.13000°,λ-99.12000°. Principal axes: T 1.0724,Plg3.0000°,Azm246.0000° ; N 0.0537,Plg7.0000°,Azm155.0000°; P -1.1260,Plg83.0000°,Azm358.0000° $M_0$1.10000×10^{18}
NEIC Event type se.
MOS Error ellipse: s-maj=7.9km s-min=5.3km az=82.0.
NEIC Event type se.
GCG Event type se. Error ellipse: s-maj=206.2km s-min=350.4km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=0.0.
IDC Error ellipse: s-maj=7.9km s-min=6.1km az=73.0.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110021252A. Moment Tensor Solution. s127,c189;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.08±.02 $M_{\theta\theta}$0.29±.04; $M_{\phi\phi}$0.78±.05; $M_{r\theta}$-0.05±.05; $M_{\theta\phi}$-0.38±.04; $M_{\phi r}$0.03±.05; Best double couple: NP1:ϕ_s333.00000°,δ44.00000°,λ-88.00000°. NP2:ϕ_s150.00000° ,δ47.00000°,λ-92.00000°. Principal axes: T 0.9940,Plg1.0000°,Azm241.0000° ; N 0.0840,Plg2.0000°,Azm151.0000°; P -1.0820,Plg88.0000°,Azm16.0000° $M_0$1.03800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-9.24 $M_{\theta\theta}$0.27 $M_{\phi\phi}$8.96 $M_{r\theta}$-1.05 $M_{\theta\phi}$-2.87 $M_{\phi r}$0.40 NP1:ϕ_s349.06000°,δ43.23000° ,λ-81.53000°. NP2:ϕ_s157.50000°,δ47.36000°,λ-97.89000°. Principal axes: T 9.8522,Plg2.0000°,Azm253.0000°; N -0.5005,Plg6.0000°,Azm163.0000° ; P -9.3516,Plg84.0000°,Azm3.0000° $M_0$9.61000×10^{17}

ISC	**X**	**10 04 06 19.6–.49**	**8.75S–.04**	**74.68W–.04**	**138–4**	**4.5b**	**222**	**2-153**
OSUNB	X	10 04 06 18.9–.75	8.67S	74.78W	144–5	4.7b		**¶621144129**
NEIC	X	10 04 06 19.9–1.5	8.76S–.06	74.70W–.06	129–6	4.6b		
IDC	X	10 04 06 19.7–1.6	8.74S	74.64W	130–16	4.3,3.8b		
VAO	X	10 04 06 20.0–.25	8.76S	74.61W	149–1	4.7b,3.8b		

ISC Event type ke.
OSUNB Event type ke. Error ellipse: s-maj=5.4km s-min=5.7km az=0.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=12.2km az=56.0.
VAO Event type se. Error ellipse: s-maj=2.1km s-min=2.5km az=-1.0. Presumed earthquake.

ISC	**XII**	**31 15 35 28.9–.39**	**8.17S–.05**	**74.50W–.05**	**151**	**4.3b**	**95**	**2-168**
IDC	XII	31 15 35 28.3–1.8	8.12S	74.41W	138–18	4.0,3.5b		**¶621657732**
VAO	XII	31 15 35 29.7–.58	8.18S	74.46W	161–2	4.4b,3.5b		
NEIC	XII	31 15 35 30.1–1.8	8.16S–.08	74.48W–.07	159–2	4.5b,3.5b		

ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**12 04 34 34.8–.41**	**9.62S–.06**	**71.28W–.05**	**602**	**4.1b**	**86**	**2-148**
VAO	X	12 04 34 34.5–.40	9.60S	71.31W	603	4.3b		**¶621146151**
IDC	X	12 04 34 35.0–.86	9.59S	71.29W	607–12	4.2,3.3b		
NEIC	X	12 04 34 35.8–1.7	9.62S–.10	71.3W–.10	605–8	4.1b,3.3b		

ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**17 06 40 19.5–.90**	**8.55S–.09**	**74.30W–.10**	**147**	**3.3b**	**9**	**4-140**
IDC	XII	17 06 40 20.6–2.3	8.64S	74.41W	159–26	3.7,3.0b		**¶621656917**

ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=14.2km az=52.0.

(113) Western Brazil.

ISC	**VIII**	**22 02 17 52.5–.73**	**8.43S–.07**	**70.29W–.05**	**10**		**26**	**2-16**
VAO	VIII	22 02 17 52.0–.35	8.36S	70.26W	0	3.8		**¶625887600**
OSUNB	VIII	22 02 17 58.9–.40	8.89S	70.59W	141–7	3.9b		

ISC Event type ke.
VAO Event type se. Error ellipse: s-maj=2.7km s-min=3.0km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=0.0.

(114) Off coast of Peru.

ISC	**XII**	**03 11 38 05.3–.54**	**13.96S–.06**	**77.02W–.08**	**10**	**4.4b,3.5s**	**68**	**2-158**
IDC	XII	03 11 38 04.8–.68	13.89S	76.90W	0	4.0,3.9b		**¶621611998**
NEIC	XII	03 11 38 05.4–1.4	14.18S–.07	77.0W–.10	13–1	4.5b,3.9b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 06 52 18.6–.92 11.0S–.10 79.1W–.10 24 3.6b 15 2-136
IDC IX 11 06 52 14.8–1.1 11.03S 79.24W 0 3.7b,3.7 **¶621108567**
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=11.8km az=42.0.
IDC X 04 04 39 24.2–7.0 17.04S 74.15W 78–47 3.7,3.6L
¶621203095
IDC Error ellipse: s-maj=113.6km s-min=21.3km az=39.0.

(115) Near coast of Peru.

ISC VII 05 08 03 57.4–.48 14.84S–.05 76.30W–.06 35 4.2b,3.7s 98 3-147
VAO VII 05 08 03 47.7–.85 14.93S 77.01W 10 4.1b,3.7s **¶620927942**
NEIC VII 05 08 03 54.1–1.1 14.86S–.06 76.38W–.09 10–1 4.5b,3.7s
IDC VII 05 08 03 59.7–1.9 14.83S 76.35W 44–18 4.1L,3.8
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=5.3km s-min=9.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=8.7km az=241.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.0km s-min=10.9km az=64.0.
ISC VII 11 19 53 33.8–2.2 17.68S–.04 70.50W–.09 1–13 3.9b 34 1-148
IDC VII 11 19 53 33.9–1.0 17.71S 70.56W 0 3.7b,3.7 **¶620928442**
GUC VII 11 19 53 36.7–.76 17.61S 70.45W 5–3 4.0L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=19.5km az=156.0.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=2.9km az=-1.0. Presumed earthquake.
ISC VII 19 06 17 50.9–.56 17.16S–.04 70.88W–.05 115–5 4.7b 241 1-161
NEIC VII 19 06 17 51.3–1.3 17.15S–.06 70.99W–.09 112–5 4.7b,4.6L **¶620833504**
GFZ VII 19 06 17 52.5–.30 17S–2.0 71W–5.0 120–3 4.7,4.4b
GUC VII 19 06 17 52.7–.43 17.19S 70.91W 102–2 4.6L,4.4b
SJA VII 19 06 17 52.4–.62 17.35S 70.85W 130–5 4.3L,4.2W
VAO VII 19 06 17 53.9–1.7 16.99S 70.35W 108 4.9b,4.2W
IDC VII 19 06 17 55.5–1.6 16.99S 70.60W 145–13 4.4,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.8km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.2km s-min=5.2km az=92.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=6.3km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=7.2km s-min=15.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.9km s-min=13.1km az=75.0.
ISC VII 23 14 06 02.6–1.1 17.07S–.07 71.1W–.10 83 4.2b 46 1-84
SJA VII 23 14 06 04.3–.46 17.25S 71.08W 63–29 3.7W,3.6L **¶620967920**
NEIC VII 23 14 06 05.4–1.4 17.19S–.10 71.0W–.10 104–15 4.3b,3.6L
IDC VII 23 14 06 11.8–4.8 17.21S 70.41W 141–28 4.3,3.9b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=10.6km s-min=37.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=11.1km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.9km s-min=20.7km az=119.0.
ISC VIII 08 15 41 25.8–.45 14.77S–.05 76.16W–.08 10 4.5b,3.6s 124 3-153
VAO VIII 08 15 41 24.4–1.0 14.84S 76.18W 10 4.3b,3.6s **¶620976442**
IDC VIII 08 15 41 24.5–.60 14.74S 76.14W 0 4.1L,4.0
GFZ VIII 08 15 41 25.2–.35 15S–5.0 77W–8.0 10 4.8b,4.8
NEIC VIII 08 15 41 26.0–1.0 14.83S–.07 76.1W–.10 10–1 4.6b,4.8
ISC Event type se.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 27 16 58 38.8–.66 13.66S–.07 76.4W–.10 50 4.3b 31 2-146
NEIC VII 27 16 58 39.0–1.4 13.64S–.08 76.3W–.10 49–8 4.4b **¶620856940**
IDC VII 27 16 58 40.1–2.2 13.50S 76.32W 54–22 4.1L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=8.3km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.8km s-min=13.7km az=60.0.
ISC VIII 09 21 03 24.4–.47 14.79S–.04 76.14W–.05 18–2 5.1b,4.3s 428 3-174
IDC VIII 09 21 03 22.1–.45 14.69S 76.09W 0 4.6b,4.6 **¶620979388**
NEIC VIII 09 21 03 24.2–1.7 14.71S–.06 76.11W–.10 16–3 5.1b,5.0
GFZ VIII 09 21 03 24.8 14.65S 76.07W 32 5.0W,5.0
VAO VIII 09 21 03 24.6–.50 14.68S 76.05W 18 5.0b,5.0
RSNC VIII 09 21 03 26.0–.90 15S–5.0 76W–7.0 43–8 5.3b,5.2
GFZ VIII 09 21 03 26.4–.22 15S–2.0 76W–3.0 20–1 5.1,5.0b
BJI VIII 09 21 03 26.6 14.80S 76.10W 20 5.3b,5.2s
CATAC VIII 09 21 03 29.1–.77 15S–4.0 75W–10 11–5 5.3b,5.1b
GCMT VIII 09 21 03 29.4–.20 14.73S–.02 76.20W–.01 20–0 5.1W,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.32 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$-2.31 $M_{r\theta}$0.26 $M_{\theta\phi}$0.64 $M_{\phi r}$-3.07 NP1: ϕ_s173.17229°,δ71.18047°,λ95.35352°. NP2:ϕ_s336.97412°,δ19.53961°,λ74.68967°. Principal axes: T 3.8445,Plg63.4429°,Azm91.6580°; N 0.1185,Plg5.0665°,Azm351.4408° ; P -3.9630,Plg25.9942°,Azm258.9631° M_o3.90509×10^{16}
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108092103A. Moment Tensor Solution. s68,c90; s103,c145; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.52±.15 $M_{\theta\theta}$0.14±.08; $M_{\phi\phi}$-3.66±.12; $M_{r\theta}$0.45±.17; $M_{\theta\phi}$1.36±.07; $M_{\phi r}$-4.74±.30; Best double couple: NP1:ϕ_s330.00000°,δ21.00000° ,λ68.00000°. NP2:ϕ_s172.00000°,δ71.00000°,λ98.00000°. Principal axes: T 5.8840,Plg63.0000°,Azm95.0000°; N 0.4430,Plg7.0000°,Azm350.0000° ; P -6.3260,Plg26.0000°,Azm256.0000° M_o6.10500×10^{16}
ISC VIII 12 21 16 48.4–.63 14.41S–.08 76.9W–.20 35 4.8b 60 19-97
IDC VIII 12 21 16 39.1–3.5 15.34S 76.83W 0 4.2b,4.2 **¶621009539**
NEIC VIII 12 21 16 45.7–.87 14.4S–.10 77.0W–.20 10–1 4.9b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 10 14 15 48.9–.42 14.72S–.05 76.07W–.08 10 4.6b,4.0s 132 3-174
NEIC VIII 10 14 15 46.7–1.8 14.98S–.07 76.6W–.10 10–1 4.6b,4.0s **¶620979649**
VAO VIII 10 14 15 46.8–2.7 14.79S 76.19W 6–17 4.3b,4.0s
IDC VIII 10 14 15 47.6–.52 14.69S 76.03W 0 4.2L,4.2b
GFZ VIII 10 14 15 48.8–.19 15S–3.0 76W–4.0 10 4.7b,4.7
GCMT VIII 10 14 15 53.9–.40 14.77S–.03 76.21W–.02 22–1 4.9W,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108101415A. Moment Tensor Solution. s32,c34; s73,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.02±.17 $M_{\theta\theta}$-0.19±.09; $M_{\phi\phi}$-1.84±.11; $M_{r\theta}$0.13±.14; $M_{\theta\phi}$0.78±.05; $M_{\phi r}$-2.10±.20; Best double couple: NP1:ϕ_s325.00000°,δ24.00000° ,λ66.00000°. NP2:ϕ_s171.00000°,δ68.00000°,λ100.00000°. Principal axes: T 2.9550,Plg66.0000°,Azm99.0000°; N 0.0090,Plg10.0000°,Azm347.0000° ; P -2.9720,Plg22.0000°,Azm253.0000° M_o2.96400×10^{16}
ISC VIII 10 14 37 04.0–.49 14.78S–.06 76.20W–.07 10 4.2b,3.7s 72 3-153
IDC VIII 10 14 37 03.3–.67 14.78S 76.11W 0 4.4L,4.2 **¶620979650**
NEIC VIII 10 14 37 04.8–1.5 14.82S–.03 76.20W–.08 10–1 4.5b,4.2
VAO VIII 10 14 37 05.5–1.1 14.64S 75.99W 10 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=9.9km az=58.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=5.2km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=8.7km s-min=11.4km az=-1.0. Presumed earthquake.
ISC VIII 10 15 20 20.7–.44 14.73S–.05 76.14W–.07 10 4.5b,3.6s 152 3-153
IDC VIII 10 15 20 19.3–.57 14.70S 76.11W 0 4.4L,4.2b **¶620979654**
NEIC VIII 10 15 20 20.9–2.0 14.69S–.06 76.20W–.09 10–1 4.7b,4.2b
VAO VIII 10 15 20 21.8–.57 14.74S 75.99W 10 4.6b,4.2b
GFZ VIII 10 15 20 22.2–.29 15S–3.0 76W–4.0 22–2 5.3,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VIII 16 21 05 59.5–2.0 14.62S 75.84W 0 4.1b,4.0
¶621030207
IDC Error ellipse: s-maj=63.4km s-min=30.1km az=176.0.
ISC VIII 24 08 16 54.0–.64 17.71S–.04 70.03W–.06 107–5 4.1b 99 1-136
VAO VIII 24 08 16 47.6–2.0 18.19S 70.41W 109 4.2b **¶621001930**
GFZ VIII 24 08 16 53.5–.35 18S–3.0 70W–6.0 106–2 4.4b,4.4
NEIC VIII 24 08 16 54.1–2.1 17.70S–.06 70.10W–.08 102–5 4.3b,4.4
IDC VIII 24 08 16 56.8–2.4 17.68S 69.91W 125–21 4.1,3.6b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=17.1km s-min=13.4km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=12.2km s-min=6.3km az=102.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.2km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=14.7km az=73.0.
ISC VIII 24 19 39 36.8–.55 12.32S–.06 77.26W–.07 33 4.3b,3.2s 57 1-151
IDC VIII 24 19 39 37.8–3.8 12.32S 77.35W 33–30 4.1L,3.9 **¶621003179**
NEIC VIII 24 19 39 37.9–2.2 12.31S–.07 77.25W–.06 35–6 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 03 05 06 21.0–.35 14.40S–.04 76.48W–.06 10 5.0b,4.3s 391 2-168
IDC IX 03 05 06 19.9–.44 14.32S 76.44W 0 4.5b,4.4 **¶621024236**
CATAC IX 03 05 06 20.3–.81 15S–8.0 76W–20 10 5.3,5.2b
GFZ IX 03 05 06 21.8–.28 14S–3.0 76W–4.0 10 4.8b,4.8
NEIC IX 03 05 06 21.5–1.3 14.35S–.07 76.48W–.09 9–4 5.0,5.0b
VAO IX 03 05 06 23.2–.53 14.38S 76.13W 10 4.8b,5.0b
BJI IX 03 05 06 24.0 14.40S 76.50W 25 5.2s,5.2b
GCMT IX 03 05 06 25.3–.20 14.39S–.01 76.62W–.01 14–0 5.1W,5.2b
ISC Event type se.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109030506A. Moment Tensor Solution. s67,c93; s90,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.12 $M_{\theta\theta}$-0.09±.07; $M_{\phi\phi}$-3.23±.10; $M_{r\theta}$0.83±.17; $M_{\theta\phi}$1.25±.05; $M_{\phi r}$-3.69±.29; Best double couple: NP1:ϕ_s335.00000°,δ22.00000° ,λ80.00000°. NP2:ϕ_s166.00000°,δ69.00000°,λ94.00000°. Principal axes: T 4.9830,Plg66.0000°,Azm83.0000°; N 0.3200,Plg4.0000°,Azm344.0000° ; P -5.3110,Plg24.0000°,Azm253.0000° M_o5.14700×10^{16}
ISC VIII 25 07 15 09.0–.64 12.37S–.06 77.53W–.08 33 4.2b,3.2s 38 1-144
IDC VIII 25 07 15 04.7–.76 12.35S 77.67W 0 3.9L,3.9b **¶621003225**
NEIC VIII 25 07 15 08.3–2.0 12.39S–.07 77.55W–.04 26–7 4.2b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 14 03 22 00.1–.46 16.26S–.06 72.97W–.06 50 4.4b,3.2s 119 3-152
NEIC X 14 03 22 00.7–1.7 16.29S–.05 73.08W–.08 51–8 4.4b,3.2s **¶621148706**
VAO X 14 03 22 00.0–.42 16.05S 72.69W 10 4.6b,3.2s
IDC X 14 03 22 04.8–1.7 16.22S 72.98W 96–14 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=1.2km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.5km s-min=4.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=20.3km s-min=9.7km az=35.0.
ISC X 09 04 20 45.8–.95 17.0S–.10 73.00W–.09 50 3.8b 10 5-123
IDC X 09 04 20 46.1–2.8 16.86S 72.84W 51–25 4.0,3.8b **¶621235303**
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=25.7km az=122.0.
ISC X 10 00 39 39.2–1.5 17.9S–.20 72.6W–.20 10 8 5-153
IDC X 10 00 39 36.0–1.6 18.19S 72.55W 0 3.9,3.5L **¶621235359**
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=20.5km az=25.0.
ISC X 10 09 23 27.2–.59 16.45S–.05 72.35W–.07 50 4.3b 66 3-160
NEIC X 10 09 23 25.2–.46 16.64S–.06 72.8W–.10 64–8 4.6b **¶621144149**
VAO X 10 09 23 26.5–1.2 16.64S 72.24W 66–10 4.4b
IDC X 10 09 23 33.3–2.4 16.30S 71.63W 60–21 4.0,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=9.0km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=7.0km s-min=7.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=20.9km s-min=14.3km az=46.0.
IDC IX 19 02 27 00.2–6.4 12.89S 77.30W 0 4.1b,3.9
¶621113602
IDC Error ellipse: s-maj=285.5km s-min=26.6km az=31.0.
SJA X 04 18 41 24.1–.51 17.56S 70.60W 213–7 3.7L,3.4W
¶625829668
SJA Event type se. Error ellipse: s-maj=5.5km s-min=11.4km az=-1.0. Presumed earthquake.
ISC XI 01 17 07 57.8–.63 12.88S–.06 76.98W–.08 45 4.1b 50 1-145
IDC XI 01 17 07 52.3–.93 13.01S 77.11W 0 4.1s,3.9 **¶621252419**
NEIC XI 01 17 07 56.8–1.6 12.85S–.06 77.05W–.09 34–6 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 15 14 52 00.3–7.8 14.03S 76.48W 0 3.8L,3.4s
¶621242065
IDC Error ellipse: s-maj=354.8km s-min=23.6km az=30.0.
ISC X 16 12 53 41.6–.47 11.55S–.05 77.53W–.07 58 4.3b 76 1-152
IDC X 16 12 53 40.9–1.7 11.47S 77.59W 48–16 4.0,3.8L **¶621204668**
NEIC X 16 12 53 41.8–1.4 11.60S–.04 77.53W–.07 58–6 4.4b,3.8L
VAO X 16 12 54 23.5–1.1 10.75S 73.29W 75–9 4.1b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=14.1km az=67.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.5km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=5.2km s-min=11.9km az=-1.0. Presumed earthquake.
NEIC X 18 07 26 35.9–.90 17.21S–.08 70.56W–.10 135–7 3.9b
¶621206731
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 22 43 48.9–.47 15.13S–.07 74.04W–.08 89 4.4b 81 4-154
IDC X 29 22 43 47.9–2.5 15.02S 73.84W 74–21 4.1,3.8b **¶621244311**
NEIC X 29 22 43 48.4–1.6 15.05S–.10 74.0W–.10 76–7 4.5b,3.8b

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 12 20 41 34.6–.35 16.28S–.04 74.51W–.05 35 4.8b,4.2s 306 4-173
NEIC XI 12 20 41 31.6–1.9 16.19S–.08 74.53W–.10 12–3 4.9b,4.2s **¶621402601**
GFZ XI 12 20 41 32.0–.21 16S–3.0 74W–3.0 10 5.4b,5.4L
VAO XI 12 20 41 33.2–.42 16.14S 74.28W 10 4.8b,5.4L
GCMT XI 12 20 41 37.8–.40 16.12S–.03 74.77W–.03 24–1 4.9W,5.4L
IDC XI 12 20 41 38.2–1.9 16.20S 74.57W 65–15 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.7km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=3.6km s-min=5.1km az=-1.0. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111122041A. Moment Tensor Solution. s29,c34; s67,c87; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.08±.17 $M_{\theta\theta}$0.38±.10; $M_{\phi\phi}$-1.70±.12; $M_{r\theta}$0.28±.12; $M_{\theta\phi}$0.88±.07; $M_{\phi r}$-2.14±.17; Best double couple: NP1:ϕ_s321.00000°,δ24.00000°,λ66.00000°. NP2:ϕ_s167.00000°,δ68.00000°,λ100.00000°. Principal axes: T 3.0490,Plg65.0000°,Azm95.0000°; N -0.0620,Plg10.0000°,Azm343.0000°; P -2.9880,Plg22.0000°,Azm249.0000° M_o3.01800×10^{16}
IDC Error ellipse: s-maj=18.8km s-min=11.8km az=48.0.
ISC XII 02 23 31 30.3–1.0 16.57S–.08 74.8W–.10 35 27 5-74
NEIC XII 02 23 31 27.9–1.1 16.53S–.09 74.8W–.10 10–2 4.1b **¶622511954**
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 21 22 22 15.7–.39 16.90S–.05 72.04W–.06 66 4.4b 147 2-156
NEIC XI 21 22 22 16.4–.79 16.94S–.07 72.08W–.09 63–7 4.6b **¶621428018**
VAO XI 21 22 22 17.5–.78 16.60S 71.60W 50 4.6b
IDC XI 21 22 22 17.5–.65 16.90S 72.05W 70–5 4.1,3.7b
GFZ XI 21 22 22 18.2–.36 17S–3.0 72W–4.0 79–4 5.2b,5.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 28 06 32 31.2–.29 11.89S–.04 77.32W–.05 67–2 5.1b 384 0-156
NEIC XI 28 06 32 30.8–1.2 12.02S–.05 77.43W–.08 62–4 5.1b **¶621480585**
IDC XI 28 06 32 30.9–.47 11.88S 77.28W 60–4 4.6,4.3b
VAO XI 28 06 32 32.1–.41 11.88S 77.26W 64 4.8b,4.3b
GFZ XI 28 06 32 32.3–.25 12S–3.0 77W–5.0 62–2 5.3b,4.9b
GCMT XI 28 06 32 34.9–.30 11.98S–.02 77.40W–.02 62–1 4.8W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111280632A. Moment Tensor Solution. s49,c55; s82,c115; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.83±.12 $M_{\theta\theta}$2.14±.08; $M_{\phi\phi}$-0.31±.11; $M_{r\theta}$-0.21±.05; $M_{\theta\phi}$-0.65±.08; $M_{\phi r}$-1.14±.07; Best double couple: NP1:ϕ_s78.00000°,δ51.00000°,λ-130.00000°. NP2:ϕ_s310.00000°,δ53.00000°,λ-52.00000°. Principal axes: T 2.3030,Plg1.0000°,Azm14.0000°; N 0.1890,Plg30.0000°,Azm105.0000°; P -2.4940,Plg60.0000°,Azm283.0000° M_o2.39900×10^{16}
ISC XI 27 07 15 39.9–.58 15.18S–.06 75.67W–.08 28 4.0b 49 3-147
NEIC XI 27 07 15 41.1–.93 15.11S–.10 75.8W–.10 34–6 4.3b **¶621625113**
IDC XI 27 07 15 42.1–1.9 15.18S 75.60W 49–18 4.0L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=8.4km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.2km s-min=13.0km az=62.0.
ISC XII 13 17 51 38.5–.54 15.86S–.07 74.85W–.08 30 4.4b 61 4-154
NEIC XII 13 17 51 38.8–1.2 15.85S–.10 74.89W–.06 35–1 4.4b **¶621628522**
IDC XII 13 17 51 40.9–1.8 15.63S 74.58W 39–16 4.0,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=3.0km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=10.6km az=42.0.
ISC XII 10 18 59 33.7–.66 17.69S–.04 70.53W–.05 102–6 4.6b 162 1-150
NEIC XII 10 18 59 33.4–1.4 17.67S–.05 70.66W–.07 96–5 4.6b **¶621627308**
IDC XII 10 18 59 35.0–1.8 17.51S 70.43W 103–14 4.5,4.2b
VAO XII 10 18 59 38.6–.85 17.58S 70.01W 107–8 4.2b,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=4.5km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.4km s-min=13.4km az=23.0.
VAO Event type se. Error ellipse: s-maj=4.1km s-min=6.1km az=-1.0. Presumed earthquake.
ISC XII 14 17 33 20.1–.91 17.6S–.10 70.2W–.20 35 3.9b,3.5s 13 1-126
IDC XII 14 17 33 14.8–1.2 17.42S 69.80W 0 3.7b,3.7 **¶621652946**
SJA XII 14 17 33 28.0 18.33S 70.08W 10 3.2L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=18.5km az=145.0.
SJA Event type se. Presumed earthquake.
ISC XII 25 02 25 48.8–.59 16.74S–.06 72.96W–.07 55–5 4.2b 109 3-149
IDC XII 25 02 25 48.7–.71 16.60S 73.07W 55–6 4.1,3.8b **¶621653201**
NEIC XII 25 02 25 49.5–2.3 16.67S–.07 72.92W–.09 50–7 4.3b,3.8b
GFZ XII 25 02 25 51.5–.29 17S–3.0 73W–4.0 77 5.0b,4.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

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ISC VII 09 16 07 00.8–.31 12.69S–.04 73.81W–.05 71–2 5.0b 324 3-171
NEIC VII 09 16 07 00.0–2.1 12.74S–.05 73.89W–.07 60–6 5.1b **¶620786365**
IDC VII 09 16 07 00.5–.43 12.61S 73.79W 68–3 4.6,4.3b
VAO VII 09 16 07 01.3–.48 12.73S 73.70W 60 4.9b,4.3b
GFZ VII 09 16 07 02.6–.40 13S–3.0 74W–5.0 85–5 4.7b,4.7
GCMT VII 09 16 07 04.6–.30 12.48S–.02 73.95W–.02 74–3 5.0W,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107091607A. Moment Tensor Solution. s32,c38; s97,c125; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.18±.15 $M_{\theta\theta}$1.90±.12; $M_{\phi\phi}$-0.72±.15; $M_{r\theta}$0.69±.07; $M_{\theta\phi}$-1.56±.12; $M_{\phi r}$-2.48±.07; Best double couple: NP1:ϕ_s79.00000°,δ38.00000°,λ-159.00000°. NP2:ϕ_s332.00000°,δ77.00000°,λ-54.00000°. Principal axes: T 3.3730,Plg24.0000°,Azm35.0000°; N 0.1260,Plg35.0000°,Azm143.0000°; P -3.5010,Plg45.0000°,Azm279.0000° M_o3.43700×10^{16}
ISC VII 10 01 15 41.6–.53 13.84S–.07 72.56W–.06 83 3.9b 36 5-150
NEIC VII 10 01 15 42.6–2.6 13.77S–.05 72.53W–.06 89–10 4.2b **¶620928296**
IDC VII 10 01 15 42.8–1.5 13.79S 72.57W 87–15 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.7km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.2km s-min=10.8km az=34.0.
ISC VII 16 16 05 59.0–.74 14.3S–.10 73.78W–.09 100 3.8b 17 4-147
IDC VII 16 16 05 58.6–1.5 14.26S 73.88W 90–14 4.1,3.6b **¶620928669**
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=10.2km az=37.0.
ISC VII 18 03 33 44.6–.29 14.83S–.04 71.47W–.04 133 5.0b 257 3-161
IDC VII 18 03 33 42.3–1.2 14.79S 71.34W 107–10 4.6,4.2b **¶620833273**
VAO VII 18 03 33 43.5–.34 14.81S 71.43W 111 4.8b,4.2b
NEIC VII 18 03 33 44.1–2.0 14.86S–.07 71.51W–.08 119–6 5.0b,4.8
GFZ VII 18 03 33 45.1–.34 15S–3.0 72W–4.0 132–4 4.7b,4.7
GCMT VII 18 03 33 47.0–.40 14.96S–.03 71.57W–.03 153–4 4.9W,4.7
RSNC VII 18 03 34 45.6–.90 7S–7.0 70W–6.0 0 5.1b,4.5b
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107180333A. Moment Tensor Solution. s15,c18; s85,c102; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.02±.09 $M_{\theta\theta}$0.61±.10; $M_{\phi\phi}$1.41±.12; $M_{r\theta}$-0.13±.08; $M_{\theta\phi}$-1.74±.10; $M_{\phi r}$-0.01±.10; Best double couple: NP1:ϕ_s326.00000°,δ44.00000°,λ-83.00000°. NP2:ϕ_s137.00000°,δ46.00000°,λ-97.00000°. Principal axes: T 2.7950,Plg1.0000°,Azm231.0000°; N -0.7680,Plg5.0000°,Azm141.0000°; P -2.0300,Plg85.0000°,Azm331.0000° M_o2.41300×10^{16}
ISC VII 26 07 34 57.0–.38 11.05S–.04 74.43W–.04 10 4.6s,4.5b 98 3-151
IDC VII 26 07 34 56.7–.66 11.04S 74.51W 0 3.9,3.8b **¶620846046**
NEIC VII 26 07 34 57.4–1.2 11.05S–.06 74.53W–.06 10–1 4.5b,3.8b
VAO VII 26 07 35 07.7–.86 10.64S 73.73W 10 4.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=9.1km az=38.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.3km az=303.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.0km s-min=5.8km az=-1.0. Presumed earthquake.
ISC VIII 07 07 02 50.9–.55 13.27S–.07 74.61W–.06 100 4.2b 53 3-146
NEIC VIII 07 07 02 50.3–1.7 13.26S–.09 74.54W–.10 81–8 4.3b **¶620976044**
IDC VIII 07 07 02 51.1–1.3 13.27S 74.62W 98–11 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.9km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.1km s-min=10.5km az=34.0.
ISC VIII 12 19 34 31.2–.51 14.45S–.07 73.60W–.07 87 4.5b 65 4-150
NEIC VIII 12 19 34 31.0–.88 14.5S–.10 73.75W–.10 84–4 4.6b **¶620984530**
IDC VIII 12 19 34 32.7–1.5 14.16S 73.39W 84–12 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=7.7km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.1km s-min=9.5km az=31.0.
ISC VIII 31 11 44 26.7–.56 13.54S–.06 75.97W–.07 55 4.2b 62 2-146
VAO VIII 31 11 44 26.3–1.7 13.59S 75.99W 76–11 4.4b **¶621012257**
NEIC VIII 31 11 44 28.3–1.5 13.53S–.07 75.93W–.09 69–9 4.3b
IDC VIII 31 11 44 28.5–1.6 13.54S 76.12W 72–16 4.0,3.5b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=11.9km s-min=15.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=9.7km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.0km s-min=11.7km az=52.0.
ISC IX 19 20 02 19.8–.70 8.54S–.09 77.9W–.20 35 3.6b 15 1-137
IDC IX 19 20 02 22.5–.92 8.51S 77.78W 65–10 3.6,3.4b **¶621113640**
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=7.0km az=70.0.
ISC IX 11 09 03 59.7–.66 14.18S–.08 72.91W–.07 35 29 4-137
NEIC IX 11 09 04 00.7–.73 14.17S–.08 72.94W–.04 45–13 4.1b **¶621108574**
IDC IX 11 09 04 02.5–2.5 13.12S 72.57W 88–26 4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=3.9km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=143.3km s-min=15.1km az=19.0.
ISC IX 06 21 42 50.5–.48 8.22S–.05 75.87W–.04 124 4.2b 90 3-89
IDC IX 06 21 42 49.4–1.9 8.24S 75.74W 112–18 4.1,3.8b **¶621039478**
NEIC IX 06 21 42 51.0–1.8 8.18S–.08 75.95W–.06 124–9 4.4b,3.8b
VAO IX 06 21 42 55.6–.65 7.85S 75.56W 141–4 4.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=14.3km az=69.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.9km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=-1.0. Presumed earthquake.
ISC X 04 21 32 37.0–.36 9.48S–.04 74.71W–.04 130 4.6b 154 3-153
IDC X 04 21 32 36.9–1.7 9.41S 74.63W 126–17 4.3,3.9b **¶621120398**
NEIC X 04 21 32 36.7–2.0 9.49S–.06 74.69W–.06 117–5 4.7b,3.9b
VAO X 04 21 32 38.6–1.0 9.44S 74.58W 139 4.6b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=12.6km az=45.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=8.1km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.4km s-min=11.2km az=-1.0. Presumed earthquake.
ISC IX 26 06 59 39.5–.52 9.12S–.05 75.30W–.04 122–5 4.4b 128 3-141
IDC IX 26 06 59 39.5–.63 9.21S 75.42W 124–6 4.0,3.4b **¶621110207**
NEIC IX 26 06 59 40.3–.77 9.11S–.07 75.36W–.08 119–10 4.4b,3.4b
VAO IX 26 06 59 42.1–.58 8.88S 75.06W 141–2 4.4b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=11.9km s-min=9.5km az=69.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.9km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=5.5km s-min=5.5km az=-1.0. Presumed earthquake.
ISC X 24 10 28 39.1–.86 11.53S–.08 72.49W–.07 10 3.4b 25 4-64
IDC X 24 10 28 34.3–.88 12.16S 73.22W 0 3.8,3.7L **¶621366384**
VAO X 24 10 28 45.6–.46 11.56S 72.03W 10 4.1b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=8.5km az=32.0.
VAO Event type se. Error ellipse: s-maj=2.9km s-min=3.1km az=-1.0. Presumed earthquake.
ISC X 10 15 05 34.3–.38 11.68S–.04 71.61W–.05 35 4.4b 89 4-149
IDC X 10 15 05 29.9–.51 11.66S 71.61W 0 4.2,4.1b **¶621235389**
NEIC X 10 15 05 30.9–1.3 11.63S–.03 71.71W–.07 10–1 4.5b,4.1b
VAO X 10 15 05 36.1–.82 11.72S 71.46W 38–11 4.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=8.3km az=36.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=4.2km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.8km s-min=6.1km az=-1.0. Presumed earthquake.
ISC X 15 02 51 47.3–.59 12.72S–.07 71.19W–.05 10 4.5b 36 5-145
IDC X 15 02 51 44.9–.90 12.82S 71.30W 0 5.9s,4.4b **¶621242028**
NEIC X 15 02 51 47.8–2.3 12.77S–.08 71.33W–.09 10–2 4.3b,4.4b
VAO X 15 02 51 49.3–.82 12.82S 70.94W 10 4.2b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=8.8km az=29.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=10.4km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0. Presumed earthquake.
ISC X 10 00 20 39.9–.18 11.69S–.03 71.61W–.04 10 5.7b,5.2s 1312 4-171
IDC X 10 00 20 38.6–.32 11.61S 71.58W 0 5.5b,5.5 **¶621144065**
MOS X 10 00 20 39.0–.87 11.60S 71.62W 10 5.8b,5.2s
NEIC X 10 00 20 40.5 11.73S 71.66W 9 5.8b,5.2s
GFZ X 10 00 20 40.6 11.66S 71.53W 19 5.6W,5.2s

CATAC X 10 00 20 40.8–.19 12S–3.0 71W–6.0 10 6.1,6.0b
NEIC X 10 00 20 40.7–2.1 11.70S–.05 71.65W–.03 10–1 5.7b,5.6
VAO X 10 00 20 40.9–.39 11.78S 71.67W 14–2 5.9b,5.6
PTWC X 10 00 20 41 11.70S 71.60W 10 5.8,5.6
BJI X 10 00 20 41.2 11.70S 71.70W 10 5.7s,5.6b
GFZ X 10 00 20 41.1–.16 12S–2.0 72W–3.0 10 6.0b,5.9L
NEIC X 10 00 20 42 11.72S 71.70W 19 6.0b,5.9L
GCMT X 10 00 20 44.4–.10 11.73S 71.73W 14–0 5.6W,5.9L
NEIC X 10 00 20 46.7 11.72S 71.70W 22 5.7,5.9L
ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=8.5km az=36.0.
MOS Error ellipse: s-maj=7.2km s-min=5.0km az=99.1.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-3.22 $M_{\theta\theta}$3.37 $M_{\phi\phi}$-0.15 $M_{r\theta}$-0.62 $M_{\theta\phi}$-0.33 $M_{\phi r}$-0.03 NP1: ϕ_s93.59260°,δ50.27329°,λ-92.15989°. NP2:ϕ_s276.96973°,δ39.77567°,λ-87.40326°.
Principal axes: T 3.4574,Plg5.2511°,Azm185.1261°; N -0.1824,Plg1.6610°,Azm94.9734°
; P -3.2750,Plg84.4911°,Azm347.4756° $M_0$3.36993×10^{17}
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.85 $M_{\theta\theta}$1.79 $M_{\phi\phi}$3.06 $M_{r\theta}$-0.80 $M_{\theta\phi}$-1.33 $M_{\phi r}$0.76 NP1:ϕ_s144.91824°
,δ51.95478°,λ-93.18152°. NP2:ϕ_s330.07205°,δ38.15792°,λ-85.94333°. Principal axes:
T 4.0287,Plg6.9052°,Azm237.1838°; N 0.9605,Plg2.5050°,Azm146.8802°
; P -4.9892,Plg82.6502°,Azm37.0534° $M_0$4.58504×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}1.27 $M_{\theta\theta}$4.07 $M_{\phi\phi}$-5.34 $M_{r\theta}$-0.33 $M_{\theta\phi}$2.33 $M_{\phi r}$-0.07 NP1: ϕ_s301.96919°,δ86.05314°,λ4.05215°. NP2:ϕ_s211.68981°,δ85.95748°,λ176.04328°.
Principal axes: T 4.6450,Plg5.6539°,Azm166.8329°; N 1.2407,Plg84.3457°,Azm346.1446°
; P -5.8857,Plg0.0675°,Azm76.8262° $M_0$5.37383×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.18 $M_{\theta\theta}$2.84 $M_{\phi\phi}$-0.67 $M_{r\theta}$-1.14 $M_{\theta\phi}$-0.04 $M_{\phi r}$-0.04 NP1: ϕ_s89.19704°,δ57.25323°,λ-91.73361°. NP2:ϕ_s272.39956°,δ32.78752°,λ-87.30686°.
Principal axes: T 3.0889,Plg12.2373°,Azm180.4513°; N -0.6645,Plg1.4580°,Azm90.1350°
; P -2.4244,Plg77.6735°,Azm353.4461° $M_0$2.81608×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.09 $M_{\theta\theta}$2.19 $M_{\phi\phi}$-0.10 $M_{r\theta}$-3.19 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.88 NP1: ϕ_s104.29129°,δ73.53406°,λ-86.01352°. NP2:ϕ_s270.47818°,δ16.92864°,λ-103.23608°.
Principal axes: T 4.0117,Plg28.4271°,Azm191.0868°; N -0.1092,Plg3.8227°,Azm283.1597°
; P -3.9024,Plg61.2698°,Azm20.1611° $M_0$3.95818×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.18 $M_{\theta\theta}$2.84 $M_{\phi\phi}$-0.67 $M_{r\theta}$-1.14 $M_{\theta\phi}$-0.04 $M_{\phi r}$-0.04 NP1: ϕ_s89.19589°,δ57.25342°,λ-91.73437°. NP2:ϕ_s272.39983°,δ32.78737°,λ-87.30567°.
Principal axes: T 3.0888,Plg12.2374°,Azm180.4507°; N -0.6646,Plg1.4587°,Azm90.1343°
; P -2.4241,Plg77.6732°,Azm353.4426° $M_0$2.81589×10^{17} Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.09 $M_{\theta\theta}$2.19 $M_{\phi\phi}$-0.10 $M_{r\theta}$-3.19 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.88 NP1: ϕ_s104.28740°,δ73.53233°,λ-86.00999°. NP2:ϕ_s270.46384°,δ16.93114°,λ-103.24596°.
Principal axes: T 4.0112,Plg28.4252°,Azm191.0802°; N -0.1101,Plg3.8261°,Azm283.1546°
; P -3.9011,Plg61.2711°,Azm20.1627° $M_0$3.95729×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=3.5km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.12 $M_{\theta\theta}$2.48 $M_{\phi\phi}$-0.36 $M_{r\theta}$1.15 $M_{\theta\phi}$-0.87 $M_{\phi r}$0.52 NP1:ϕ_s265.91000°,δ59.43000°,λ-114.27000°. NP2:ϕ_s127.47000°
,δ38.29000°,λ-55.17000°. Principal axes: T 2.9169,Plg11.0000°,Azm13.0000°
; N -0.2943,Plg21.0000°,Azm279.0000°; P -2.6226,Plg66.0000°,Azm130.0000°
$M_0$2.78000×10^{17}
VAO Event type se. Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110100020A. Moment Tensor Solution. s127,c249; s138,c294;Duration: 1±5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.14±.04 $M_{\theta\theta}$3.64±.03; $M_{\phi\phi}$-1.50±.04; $M_{r\theta}$0.29±.06; $M_{\theta\phi}$0.06±.03; $M_{\phi r}$0.81±.08; Best double couple: NP1: ϕ_s119.00000°,δ51.00000°,λ-45.00000°. NP2:ϕ_s241.00000°,δ57.00000°,λ-132.00000°.
Principal axes: T 3.6570,Plg3.0000°,Azm359.0000°; N -0.9600,Plg34.0000°,Azm267.0000°
; P -2.6970,Plg56.0000°,Azm93.0000° $M_0$3.17700×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3±6 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.40 $M_{\theta\theta}$3.77 $M_{\phi\phi}$-0.37 $M_{r\theta}$-2.40 $M_{\theta\phi}$0.24 $M_{\phi r}$1.57 NP1:ϕ_s246.93000°,δ31.95000°
,λ-126.27000°. NP2:ϕ_s107.78000°,δ64.75000°,λ-69.75000°. Principal axes:
T 4.5114,Plg17.0000°,Azm183.0000°; N 0.1931,Plg18.0000°,Azm279.0000°
; P -4.7046,Plg64.0000°,Azm52.0000° $M_0$4.61000×10^{17}
ISC XI 06 19 00 35.5–.44 11.88S–.05 73.34W–.05 35 4.7b,3.6s 84 3-156
IDC XI 06 19 00 30.2–.72 11.79S 73.30W 0 4.2L,4.1 **¶621372224**
NEIC XI 06 19 00 36.9–1.2 11.88S–.07 73.44W–.07 44–7 4.8b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 31 04 45 17.6–.69 11.64S–.06 71.61W–.05 10 3.7b 30 4-149
VAO X 31 04 45 15.9–.39 11.82S 71.80W 23 4.2b **¶621395222**
IDC X 31 04 45 16.3–.89 11.51S 71.54W 0 3.7,3.5b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=27.2km s-min=11.2km az=33.0.
NEIC XI 11 04 33 17.4–1.3 14.19S–.07 72.87W–.04 85–15 4.2b
¶621392760
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO XI 15 03 24 04.4–.73 14.43S 72.64W 10 4.2b
¶626527510
VAO Event type se. Error ellipse: s-maj=4.5km s-min=8.0km az=-1.0. Presumed earthquake.
VAO XI 19 03 16 04.7–.42 12.82S 69.35W 0 4.1b
¶626527512
VAO Event type se. Error ellipse: s-maj=3.4km s-min=3.2km az=-1.0. Presumed earthquake.
NEIC XI 25 02 54 58.2–1.9 12.06S–.03 75.40W–.08 89–10 4.1b
¶621464955
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 21 08 09 08.4–.42 10.52S–.04 75.00W–.06 100 4.6b 123 2-146
NEIC XI 21 08 09 10.0–1.1 10.55S–.07 74.99W–.08 114–8 4.6b **¶621608903**
IDC XI 21 08 09 09.9–1.7 10.52S 75.06W 115–15 4.0,3.5b
VAO XI 21 08 09 12.1–1.0 10.45S 74.82W 139–10 4.1b,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=10.0km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.7km s-min=10.9km az=70.0.
VAO Event type se. Error ellipse: s-maj=7.4km s-min=10.2km az=-1.0. Presumed earthquake.
NEIC XI 27 01 46 45.9–2.1 14.88S–.08 71.99W–.04 102–13 4.2b
¶621476328
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 31 22 28 17.2–3.3 14S–1.0 73.0W–.80 35 4.0b 7 5-146
IDC XII 31 22 28 17.6–6.1 14.15S 73.00W 45–57 3.9L,3.9 **¶621726092**
ISC Event type se.
IDC Error ellipse: s-maj=236.8km s-min=37.1km az=30.0.
ISC XII 09 21 40 40.2–.56 10.44S–.05 74.47W–.06 126 3.9b 33 3-154
NEIC XII 09 21 40 40.4–1.3 10.48S–.06 74.5W–.10 126–16 4.3b **¶621626201**
IDC XII 09 21 40 40.7–1.7 10.44S 74.54W 128–18 4.0,4.0s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.3km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.1km s-min=13.0km az=61.0.
ISC XII 10 09 04 14.9–.94 13.5S–.20 70.3W–.20 35 3.2b 7 3-83
IDC XII 10 09 04 09.0–1.1 13.63S 70.24W 0 3.7L,3.6 **¶621644115**
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=15.4km az=47.0.

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ISC VII 11 14 46 30.0–.34 15.61S–.04 71.38W–.05 142 4.6b 240 3-169
NEIC VII 11 14 46 29.0–1.5 15.61S–.07 71.54W–.10 126–3 4.7b **¶620787475**
VAO VII 11 14 46 29.3–.80 15.57S 71.34W 132–6 4.6b
GFZ VII 11 14 46 31.7–.38 16S–3.0 71W–4.0 138–4 5.0,4.7b
IDC VII 11 14 46 32.5–1.7 15.53S 71.21W 151–15 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.6km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.6km s-min=6.3km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=20.9km s-min=11.7km az=55.0.
NEIC VII 20 15 42 34.5–1.2 15.59S–.09 72.2W–.10 125–20 4.1b
¶620837795
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 25 22 45 29.3–.82 15.98S–.08 72.09W–.09 35 3.8b,3.4s 27 3-148
IDC VII 25 22 45 26.4–1.0 16.06S 71.82W 0 3.7b,3.7 **¶620973800**
NEIC VII 25 22 45 30.0–.93 16.02S–.07 71.8W–.10 166–21 4.1b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 04 18 42.5–.57 15.34S–.06 73.58W–.07 100 4.1b 58 4-135
VAO VII 30 04 18 42.7–.66 15.18S 73.43W 76 4.4b **¶620883708**
IDC VII 30 04 18 42.5–1.7 15.34S 73.65W 95–18 4.2,3.7b
NEIC VII 30 04 18 42.3–2.6 15.45S–.08 73.7W–.10 84–10 4.2b,3.7b
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 28 08 46 25.4–.72 15.60S–.07 72.38W–.07 108 4.0b 36 3-79
NEIC VII 28 08 46 26.1–2.3 15.61S–.09 72.33W–.05 124–17 4.2b **¶620979610**
IDC VII 28 08 46 27.8–1.4 15.23S 72.15W 124–15 4.0,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=4.5km az=203.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.8km s-min=11.1km az=25.0.
ISC VIII 18 11 12 20.0–.72 16.23S–.08 71.63W–.08 150 3.9b 37 2-78
NEIC VIII 18 11 12 19.5–1.3 16.26S–.06 71.8W–.10 122–13 4.0b **¶621030371**
IDC VIII 18 11 12 24.1–2.5 15.53S 71.20W 149–15 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=3.4km az=61.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.0km s-min=14.0km az=26.0.
ISC VIII 04 17 51 38.0–.70 16.99S–.06 70.24W–.09 35 4.1b 39 1-87
IDC VIII 04 17 51 33.6–1.2 17.03S 70.19W 0 4.2L,4.1 **¶620997319**
NEIC VIII 04 17 51 35.8–2.4 17.04S–.06 70.4W–.10 20–6 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VIII 04 19 19 57.8–1.3 15.3S–.10 72.23W–.10 136–5 4.1b
¶620969505
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 21 00 22.9–.32 15.84S–.05 70.49W–.07 50 4.8b,3.6s 273 2-155
GFZ VIII 27 21 00 19.6–.28 16S–3.0 71W–5.0 10 4.6b,4.6 **¶621009723**
NEIC VIII 27 21 00 23.7–1.1 15.85S–.06 70.52W–.07 46–7 4.8b,4.6
IDC VIII 27 21 00 25.1–2.2 15.78S 70.37W 64–19 4.3,4.0b
VAO VIII 27 21 00 28.1–1.0 15.50S 69.89W 10 4.6b,4.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.1km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.7km s-min=14.6km az=53.0.
VAO Event type se. Error ellipse: s-maj=8.6km s-min=8.2km az=-1.0. Presumed earthquake.
ISC VIII 27 22 23 22.0–.69 16.06S–.09 70.3W–.10 100 4.2b 30 2-148
NEIC VIII 27 22 23 20.9–2.4 15.96S–.05 70.42W–.08 79–9 4.7b **¶621072184**
IDC VIII 27 22 23 21.0–6.1 15.85S 70.40W 75–54 4.0,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=3.3km az=57.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=70.8km s-min=37.2km az=79.0.
ISC IX 14 00 03 05.1–.42 15.27S–.05 73.67W–.06 76–3 4.5b 117 4-159
VAO IX 14 00 02 58.7–.56 15.26S 73.68W 10 4.5b **¶621073309**
NEIC IX 14 00 03 05.3–1.5 15.29S–.07 73.77W–.09 73–3 4.5b
IDC IX 14 00 03 07.6–.47 15.26S 73.82W 99–4 4.2,3.9b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=4.0km s-min=6.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.6km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=13.2km az=75.0.
ISC IX 13 16 33 12.0–.60 15.65S–.04 70.31W–.06 205–6 4.4b 187 2-148
NEIC IX 13 16 33 12.9–.90 15.67S–.04 70.30W–.08 211–7 4.4b **¶621072364**
IDC IX 13 16 33 12.2–.73 15.46S 70.24W 198–6 4.4,3.8b
VAO IX 13 16 33 13.6–.58 15.47S 70.03W 210–4 4.3b,3.8b
GFZ IX 13 16 33 13.2–.36 16S–3.0 70W–4.0 200–4 5.8b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 04 09 07 29.8–.49 15.83S–.06 71.93W–.07 10 4.3b 55 3-148
IDC IX 04 09 07 28.8–.71 15.70S 71.85W 0 3.8b,3.8 **¶621035298**
NEIC IX 04 09 07 30.8–1.1 15.85S–.06 72.04W–.07 17–5 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 20 50 46.1–.74 16.26S–.05 70.82W–.06 148–7 4.3b 87 2-148
VAO IX 28 20 50 27.8–3.6 16.06S 71.98W 51–18 4.5b **¶621140848**
NEIC IX 28 20 50 46.7–1.7 16.18S–.09 70.8W–.10 143–8 4.4b
IDC IX 28 20 50 50.4–1.7 16.10S 70.45W 171–14 4.1,3.7b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=12.2km s-min=27.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=12.4km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=17.0km az=49.0.
ISC IX 19 03 21 28.2–.47 15.68S–.06 71.85W–.07 10 4.5b,3.8s 112 3-152
IDC IX 19 03 21 25.7–.64 15.58S 71.55W 0 4.0b,3.9 **¶621083058**
NEIC IX 19 03 21 29.6–2.1 15.8S–.10 72.1W–.10 10–1 4.6b,3.9
VAO IX 19 03 21 29.1–.49 15.58S 71.55W 0 4.2b,3.9
GFZ IX 19 03 21 36.9–1.2 16S–10 72W–6.0 10 5.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 07 20 43 40.4–.77 15.1S–.10 72.12W–.09 124 3.6b 11 4-78
IDC X 07 20 43 39.3–1.4 15.19S 72.16W 105–16 3.9,3.5b **¶621217243**
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=11.1km az=30.0.
ISC X 09 04 47 48.7–.24 15.64S–.03 71.78W–.04 10 5.4s,5.3b 515 3-171
IDC X 09 04 47 45.9–.42 15.60S 71.85W 0 5.3s,4.6b **¶621143691**
MOS X 09 04 47 47.7–1.3 15.61S 71.75W 10 5.4s,5.4b
BJI X 09 04 47 48.5 15.60S 71.80W 10 5.9s,5.8
VAO X 09 04 47 48.7–.35 15.58S 71.76W 10 5.0b,5.8

NEIC X 09 04 47 49.3 15.58S 71.88W 16 5.0b,5.8
NEIC X 09 04 47 49.1–2.6 15.58S–.05 71.84W–.08 14–3 5.4,5.4b
GFZ X 09 04 47 50.1–.11 16S–1.0 72W–3.0 10 5.8b,5.6
PTWC X 09 04 47 50 15.70S 71.80W 229 5.8,5.6
GFZ X 09 04 47 50.1 15.62S 71.88W 10 5.5W,5.6
NEIC X 09 04 47 51.7 15.38S 71.57W 12 5.7,5.6
GCMT X 09 04 47 52.0–.10 15.78S 71.77W 12 5.5W,5.6
CATAC X 09 04 47 53.1–1.1 16S–6.0 71W–17 41–15 5.7b,5.6
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.67 $M_{\theta\theta}$1.42 $M_{\phi\phi}$0.25 $M_{r\theta}$-1.28 $M_{\theta\phi}$-0.52 $M_{\theta r}$-0.54 NP1: ϕ_s87.09670°,δ64.87509°,λ-109.92336°. NP2:ϕ_s307.58261°,δ31.65797°,λ-53.99678°. Principal axes: T 1.9386,Plg17.5570°,Azm191.7357°; N 0.3743,Plg17.9701°,Azm95.8457° ; P -2.3130,Plg64.4381°,Azm323.1493° $M_0$2.15038×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3ŝ Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77 $M_{\theta\theta}$1.50 $M_{\phi\phi}$0.26 $M_{r\theta}$3.06 $M_{\theta\phi}$-0.91 $M_{\theta r}$-3.24 NP1:ϕ_s100.09000°,δ13.22000° ,λ-124.31000°. NP2:ϕ_s315.12000°,δ79.11000°,λ-82.45000°. Principal axes: T 4.8441,Plg34.0000°,Azm39.0000°; N -0.0196,Plg7.0000°,Azm134.0000° ; P -4.8245,Plg55.0000°,Azm235.0000° $M_0$4.83000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110090447A. Moment Tensor Solution. s125,c208; s159,c350;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.91±.02 $M_{\theta\theta}$1.76±.02; $M_{\phi\phi}$0.15±.02; $M_{r\theta}$-0.82±.04; $M_{\theta\phi}$-0.71±.01; $M_{\theta r}$-0.24±.05; Best double couple: NP1: ϕ_s305.00000°,δ37.00000°,λ-67.00000°. NP2:ϕ_s97.00000°,δ56.00000°,λ-106.00000°. Principal axes: T 2.1460,Plg10.0000°,Azm198.0000°; N 0.0070,Plg13.0000°,Azm106.0000° ; P -2.1520,Plg73.0000°,Azm323.0000° $M_0$2.14900×10^{17}
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01 $M_{\theta\theta}$2.06 $M_{\phi\phi}$-2.04 $M_{r\theta}$2.15 $M_{\theta\phi}$-0.26 $M_{\theta r}$0.64 NP1:ϕ_s315.99452° ,δ84.00974°,λ41.14398°. NP2:ϕ_s220.78472°,δ49.12880°,λ172.06739°. Principal axes: T 3.4698,Plg32.4454°,Azm186.8714°; N -1.1931,Plg48.4992°,Azm322.8059° ; P -2.2766,Plg22.8867°,Azm81.3042° $M_0$3.05334×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.59 $M_{\theta\theta}$2.16 $M_{\phi\phi}$-2.74 $M_{r\theta}$-1.58 $M_{\theta\phi}$-0.05 $M_{\theta r}$-0.73 NP1: ϕ_s320.06755°,δ56.88964°,λ14.52838°. NP2:ϕ_s222.01032°,δ77.87032°,λ146.03217°. Principal axes: T 3.1541,Plg32.3331°,Azm175.9619°; N -0.2285,Plg54.1777°,Azm24.6876° ; P -2.9256,Plg13.7496°,Azm274.8720° $M_0$3.04630×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.95 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-5.02 $M_{r\theta}$-1.43 $M_{\theta\phi}$-0.26 $M_{\theta r}$1.56 NP1: ϕ_s203.85220°,δ39.93235°,λ124.10839°. NP2:ϕ_s342.40024°,δ57.89552°,λ64.85433°. Principal axes: T 4.7892,Plg66.6374°,Azm203.1384°; N 0.4988,Plg21.0967°,Azm356.4081° ; P -5.2880,Plg9.5791°,Azm90.1412° $M_0$5.05711×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.61 $M_{\theta\theta}$1.34 $M_{\phi\phi}$-4.95 $M_{r\theta}$-1.63 $M_{\theta\phi}$-0.23 $M_{\theta r}$1.50 NP1: ϕ_s207.41751°,δ41.82775°,λ130.70322°. NP2:ϕ_s338.31735°,δ59.63077°,λ59.73003°. Principal axes: T 4.6754,Plg62.1772°,Azm198.5285°; N 0.5330,Plg25.7795°,Azm354.7574° ; P -5.2084,Plg9.7535°,Azm89.5197° $M_0$4.96343×10^{17}

ISC X 08 09 27 59.4–.47 15.88S–.06 72.04W–.07 10 4.0b,3.8s 66 3-152
NEIC X 08 09 27 59.7–1.8 15.97S–.08 72.2W–.10 10–2 4.2b,3.8s **¶621224642**
VAO X 08 09 28 00.6–.61 15.51S 71.99W 10 4.2b,3.8s
IDC X 08 09 28 10.4–2.0 15.60S 71.29W 96–19 4.0,3.7s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=14.0km az=266.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.9km s-min=6.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.0km s-min=15.6km az=60.0.

NEIC X 08 23 14 25.1–1.5 15.73S–.06 72.4W–.10 10–2 4.0b
¶621144003

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC X 09 04 57 22.2–1.1 15.3S–.20 72.6W–.20 10 6 4-148
IDC X 09 04 57 21.4–1.2 15.24S 72.27W 0 3.7,3.6b **¶621235304**
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=24.3km az=51.0.

ISC X 09 05 50 11.0–.42 15.50S–.05 71.63W–.06 10 4.7b,3.8s 122 3-155
IDC X 09 05 50 08.0–1.4 15.68S 71.47W 0 4.1b,4.0 **¶621143700**
VAO X 09 05 50 10.4–.43 15.41S 71.83W 10 4.1b,4.0
NEIC X 09 05 50 11.6–1.0 15.60S–.08 71.7W–.10 10–1 4.7b,4.0
GCMT X 09 05 50 12.0–.40 15.73S–.03 71.53W–.05 23–1 4.8W,4.0
GFZ X 09 05 50 13.7–.26 16S–3.0 72W–4.0 10 4.5L,4.4
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110090550A. Moment Tensor Solution. s26,c29; s75,c95; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.40±.17 $M_{\theta\theta}$1.90±.11; $M_{\phi\phi}$0.50±.11; $M_{r\theta}$-0.18±.15; $M_{\theta\phi}$-0.32±.08; $M_{\theta r}$-0.90±.19; Best double couple: NP1:ϕ_s86.00000°,δ47.00000° ,λ-113.00000°. NP2:ϕ_s298.00000°,δ48.00000°,λ-67.00000°. Principal axes: T 1.9680,Plg0.0000°,Azm12.0000°; N 0.7080,Plg16.0000°,Azm102.0000° ; P -2.6720,Plg74.0000°,Azm281.0000° $M_0$2.32000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC X 09 05 20 59.2–.47 15.65S–.05 71.91W–.07 10 4.2b,4.2s 97 3-159
GFZ X 09 05 20 42.2–.92 15S–7.0 73W–7.0 10 5.4b,4.8 **¶621143693**
IDC X 09 05 20 58.5–.70 15.42S 71.68W 0 4.2s,3.9
VAO X 09 05 20 59.7–.48 15.60S 71.87W 10 4.1b,3.9
NEIC X 09 05 21 00.5–1.7 15.62S–.06 71.94W–.08 10–2 4.3b,3.9
GCMT X 09 05 21 01.5–.40 15.82S–.02 71.70W–.04 18–1 4.8W,3.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110090521A. Moment Tensor Solution. s25,c30; s77,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.86±.14 $M_{\theta\theta}$1.36±.09; $M_{\phi\phi}$0.50±.09; $M_{r\theta}$-1.11±.18; $M_{\theta\phi}$-0.54±.05; $M_{\theta r}$-0.10±.22; Best double couple: NP1:ϕ_s306.00000° ,δ31.00000°,λ-69.00000°. NP2:ϕ_s101.00000°,δ61.00000°,λ-103.00000°. Principal axes: T 1.8800,Plg15.0000°,Azm200.0000°; N 0.3520,Plg11.0000°,Azm107.0000° ; P -2.2310,Plg71.0000°,Azm343.0000° $M_0$2.05600×10^{16}

ISC X 09 17 55 33.7–.37 15.59S–.05 71.75W–.06 10 4.5b,3.9s 144 3-159
IDC X 09 17 55 33.0–.55 15.47S 71.67W 0 4.0b,4.0 **¶621144005**
NEIC X 09 17 55 34.1–1.8 15.66S–.05 71.76W–.08 10–1 4.5b,4.0
VAO X 09 17 55 34.0–1.6 15.44S 72.16W 10 4.3b,4.0
GFZ X 09 17 55 35.9–.36 16S–3.0 72W–5.0 10 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC X 09 06 12 56.4–2.2 15.44S 71.62W 0 4.0b,3.9
¶621235309

IDC Error ellipse: s-maj=38.5km s-min=26.0km az=175.0.

IDC X 09 06 46 53.8–1.2 15.45S 71.92W 0 3.9b,3.7
¶621235312

IDC Error ellipse: s-maj=35.7km s-min=23.9km az=35.0.

ISC X 09 14 46 49.1–.79 15.7S–.10 71.7W–.10 10 4.0b 10 3-152
IDC X 09 14 46 48.0–.87 15.62S 71.78W 0 3.8b,3.8 **¶621235329**
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=15.9km az=31.0.

ISC X 09 13 23 26.0–.49 15.61S–.06 72.08W–.07 10 4.2b 68 3-152
NEIC X 09 13 23 26.1–2.6 15.64S–.07 72.14W–.08 10–1 4.3b **¶621144006**
IDC X 09 13 23 26.1–.74 15.56S 71.78W 0 3.9,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.7km az=239.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.9km s-min=13.1km az=25.0.

ISC X 29 19 55 25.2–.33 15.06S–.03 73.90W–.04 65–2 5.5b 874 4-175
MOS X 29 19 55 24.6–.99 15.01S 74.00W 73 5.8b **¶621244191**
GFZ X 29 19 55 25.9–.10 15S–1.0 74W–3.0 59 5.8b,5.8
GFZ X 29 19 55 25.9 14.99S 73.92W 72 5.2W,5.8
NEIC X 29 19 55 26.2 15.05S 73.98W 67 5.2W,5.8
NEIC X 29 19 55 26.5–1.4 15.05S–.08 73.97W–.09 70–4 5.6b,5.8
VAO X 29 19 55 28.4–.58 14.95S 73.71W 81–5 5.3b,5.8
IDC X 29 19 55 28.5–1.5 14.99S 73.93W 88–13 5.1,4.9b
GCMT X 29 19 55 32.4–.20 15.11S–.01 74.15W–.01 108–1 5.3W,4.9b
NEIC X 29 19 55 33.1 15.05S 73.88W 70 5.2,4.9b
ISC Event type se.
MOS Error ellipse: s-maj=14.6km s-min=6.8km az=104.8.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.14 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$5.64 $M_{r\theta}$-2.86 $M_{\theta\phi}$-1.19 $M_{\theta r}$3.10 NP1: ϕ_s150.41706°,δ64.29322°,λ-108.72222°. NP2:ϕ_s8.41859°,δ31.42222°,λ-56.30679°. Principal axes: T 6.9754,Plg17.2589°,Azm254.1660°; N -0.0307,Plg16.8108°,Azm158.7802° ; P -6.9447,Plg65.5230°,Azm27.2012° $M_0$6.96011×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.1km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=14.3km s-min=8.6km az=58.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110291955A. Moment Tensor Solution. s90,c116; s126,c192;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.89±.02 $M_{\theta\theta}$-0.39±.02; $M_{\phi\phi}$1.27±.03; $M_{r\theta}$-0.24±.01; $M_{\theta\phi}$-0.34±.02; $M_{\theta r}$0.14±.02; Best double couple: NP1:ϕ_s10.00000° ,δ44.00000°,λ-59.00000°. NP2:ϕ_s150.00000°,δ53.00000°,λ-117.00000°. Principal axes: T 1.3510,Plg5.0000°,Azm258.0000°; N -0.3720,Plg21.0000°,Azm167.0000° ; P -0.9810,Plg68.0000°,Azm0.0000° $M_0$1.16600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ9 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.75 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$6.00 $M_{r\theta}$-2.26 $M_{\theta\phi}$-0.64 $M_{\theta r}$2.35 NP1:ϕ_s10.28000°,δ35.49000° ,λ-62.33000°. NP2:ϕ_s157.49000°,δ59.06000°,λ-108.32000°. Principal axes: T 6.6270,Plg12.0000°,Azm261.0000°; N 0.2530,Plg16.0000°,Azm167.0000° ; P -6.8800,Plg70.0000°,Azm27.0000° $M_0$6.76000×10^{16}

ISC X 09 14 07 07.1–.69 15.7S–.10 71.8W–.10 10 3.4b 16 4-152
IDC X 09 14 07 06.0–.81 15.63S 71.91W 0 3.6,3.5b **¶621235327**
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=14.3km az=33.0.

ISC X 09 14 08 15.7–.53 15.8S–.10 71.9W–.10 10 3.9b 23 4-152
IDC X 09 14 08 14.5–.58 15.76S 71.83W 0 3.8b,3.8 **¶621235328**
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=13.8km az=41.0.

ISC X 09 14 31 19.8–.42 15.68S–.05 71.99W–.07 10 4.3b,4.2s 93 3-159
IDC X 09 14 31 18.9–.55 15.73S 71.79W 0 4.1s,3.9b **¶621144023**
VAO X 09 14 31 19.8–.43 15.66S 71.99W 10 4.4b,3.9b
NEIC X 09 14 31 20.3–1.9 15.70S–.08 72.2W–.10 10–1 4.5b,3.9b
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC X 10 00 46 58.6–.54 15.83S–.07 72.2W–.10 10 4.4b 50 3-152
IDC X 10 00 46 56.7–.65 15.45S 71.93W 0 4.0b,3.9 **¶621235360**
NEIC X 10 00 46 59.1–1.2 15.85S–.07 72.23W–.09 8–3 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC X 10 09 56 59.9–1.6 15.1S–.20 71.9W–.20 50 7 4-137
IDC X 10 09 56 53.3–2.0 15.05S 71.89W 0 3.8b,3.8 **¶621235376**
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=26.7km az=166.0.

ISC X 09 23 11 00.6–.39 15.57S–.05 72.12W–.06 10 4.4b,4.0s 144 3-152
NEIC X 09 23 11 00.2–1.6 15.62S–.06 72.19W–.08 10–1 4.4b,4.0s **¶621144059**
IDC X 09 23 11 00.7–.55 15.52S 71.84W 0 4.0b,4.0
VAO X 09 23 11 01.5–1.4 15.50S 72.05W 10 4.1b,4.0
GFZ X 09 23 11 03.0–.28 16S–3.0 72W–4.0 10 5.3b,4.8
GCMT X 09 23 11 04.3–.50 15.70S–.03 72.12W–.05 18–1 4.8W,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110092311A. Moment Tensor Solution. s17,c19; s70,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.71±.16 $M_{\theta\theta}$1.10±.09; $M_{\phi\phi}$0.61±.11; $M_{r\theta}$-0.23±.19; $M_{\theta\phi}$-0.53±.05; $M_{\theta r}$1.71±.34; Best double couple: NP1:ϕ_s294.00000°,δ27.00000° ,λ-128.00000°. NP2:ϕ_s155.00000°,δ69.00000°,λ-73.00000°. Principal axes: T 1.9240,Plg22.0000°,Azm232.0000°; N 0.6960,Plg16.0000°,Azm328.0000° ; P -2.6160,Plg62.0000°,Azm91.0000° $M_0$2.27000×10^{16}

ISC X 12 04 00 04.6–.36 15.63S–.05 71.85W–.06 10 4.8b,3.7s 157 3-159
VAO X 12 04 00 03.4–.46 15.54S 72.03W 10 4.4b,3.7s **¶621146149**
IDC X 12 04 00 04.0–.55 15.42S 71.78W 0 4.3b,4.3
NEIC X 12 04 00 04.9–1.9 15.68S–.06 71.98W–.08 10–1 4.9b,4.3
GCMT X 12 04 00 05.6–.40 15.69S–.03 71.60W–.06 21–1 4.8W,4.3
GFZ X 12 04 00 12.9–.35 16S–3.0 72W–4.0 83–4 4.6b,4.6
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110120400A. Moment Tensor Solution. s14,c18; s69,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.60±.16 $M_{\theta\theta}$1.57±.10; $M_{\phi\phi}$0.02±.10; $M_{r\theta}$0.18±.18; $M_{\theta\phi}$0.41±.08; $M_{\theta r}$-0.66±.23; Best double couple: NP1:ϕ_s56.00000°,δ48.00000° ,λ-119.00000°. NP2:ϕ_s276.00000°,δ49.00000°,λ-62.00000°. Principal axes: T 1.6740,Plg0.0000°,Azm346.0000°; N 0.1860,Plg21.0000°,Azm76.0000° ; P -1.8630,Plg69.0000°,Azm255.0000° $M_0$1.76900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC XI 04 13 19 18.1–.57 15.89S–.08 73.10W–.07 100 3.5b 45 4-145
VAO XI 04 13 18 59.0–2.0 15.80S 74.13W 10 4.3b **¶621309473**
GFZ XI 04 13 19 18.6–.44 16S–5.0 73W–6.0 99–5 5.3b,4.8L
IDC XI 04 13 19 19.6–1.7 15.69S 73.03W 107–15 3.9,3.4b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=11.8km s-min=19.5km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=16.3km s-min=7.9km az=53.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=24.7km s-min=11.1km az=35.0.

ISC XII 09 04 48 56.1–.45 15.67S–.05 71.80W–.06 100 4.3b 99 3-152
NEIC XII 09 04 48 57.4–1.9 15.73S–.07 71.84W–.09 111–7 4.4b **¶621636548**
VAO XII 09 04 48 58.2–.38 15.52S 71.89W 148 4.2b
IDC XII 09 04 48 59.2–1.7 15.68S 71.75W 128–15 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.1km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=3.5km s-min=4.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.7km s-min=13.5km az=40.0.

ISC XII 10 09 09 11.6–.61 16.94S–.04 70.06W–.05 161–6 4.1b 162 1-149
VAO XII 10 09 09 11.6–.35 16.94S 70.06W 164 4.3b **¶621626269**
NEIC XII 10 09 09 12.4–1.3 16.96S–.06 70.09W–.08 172–5 4.2b
IDC XII 10 09 09 13.2–1.3 16.83S 70.00W 162–11 4.1,3.6b
GFZ XII 10 09 09 14.0–.35 17S–3.0 70W–4.0 164–2 5.2b,4.5

ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**XII**	**22 19 16 02.7–.59**	**15.47S–.07**	**73.91W–.08**	**71**	**4.3b**	**70**	**4-148**
NEIC	XII	22 19 16 03.4–1.4	15.4S–.10	74.0W–.10	73–8	4.4b		**¶621648302**
GFZ	XII	22 19 16 06.1–.51	16S–8.0	74W–9.0	88–7	5.1b,4.5L		
IDC	XII	22 19 16 07.8–2.8	15.13S	73.79W	105–18	4.2,3.8b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=7.6km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=23.3km s-min=8.8km az=50.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=56.5km s-min=16.8km az=36.0.

(118) Peru-Bolivia border region.

ISC	**VII**	**06 21 40 10.0–.88**	**17.71S–.06**	**69.78W–.08**	**154–7**		**67**	**0-28**
NEIC	VII	06 21 40 09.9–1.4	17.71S–.09	69.91W–.09	158–3	4.1b,4.0L		**¶622449016**
GUC	VII	06 21 40 11.4–.88	17.78S	69.76W	142–7	4.0L,4.0L		
VAO	VII	06 21 40 13.8–.79	17.70S	69.41W	154–6	4.3b,4.0L		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=7.6km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=5.6km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=8.6km s-min=8.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**08 04 13 20.6–.56**	**17.94S–.03**	**69.49W–.05**	**131–5**	**4.1b**	**188**	**0-88**
SJA	VII	08 04 13 19.8–.61	17.97S	69.61W	151–4	4.0L,3.8W		**¶620773171**
VAO	VII	08 04 13 21.3–.51	17.92S	69.38W	144	4.4b,3.8W		
GFZ	VII	08 04 13 21.2–.35	18S–4.0	69W–6.0	127–3	4.1b,4.1		
NEIC	VII	08 04 13 21.2–1.5	17.93S–.05	69.54W–.08	133–5	4.3b,3.8L		
GUC	VII	08 04 13 22.2–.51	17.96S	69.61W	135–2	3.8L,3.8L		
IDC	VII	08 04 13 23.6–1.8	17.84S	69.30W	152–16	4.0,3.6b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=4.5km s-min=4.6km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=12.2km s-min=6.8km az=108.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.9km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=25.8km s-min=15.8km az=72.0.

ISC	**VII**	**14 10 37 11.0–.79**	**17.92S–.05**	**69.70W–.08**	**128–7**	**4.0b**	**46**	**0-88**
GUC	VII	14 10 37 10.9–.78	17.98S	69.67W	127–5	3.4L		**¶620928587**
NEIC	VII	14 10 37 11.3–.98	17.96S–.06	69.75W–.09	131–6	4.2b,3.4L		
IDC	VII	14 10 37 15.8–4.8	17.77S	69.00W	165–51	3.9,3.4b		

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=4.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.9km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=146.8km s-min=31.8km az=84.0.

ISC	**VII**	**21 07 19 41.2–.81**	**17.53S–.05**	**69.48W–.09**	**164–7**	**3.8b**	**40**	**0-87**
SJA	VII	21 07 19 39.3–.68	17.49S	69.66W	181–5	3.8L,3.5W		**¶620961639**
GUC	VII	21 07 19 42.8–.85	17.54S	69.49W	160–8	3.5L,3.5W		
IDC	VII	21 07 19 49.0–2.5	16.50S	68.77W	192–6	4.2,3.7b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=6.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.9km s-min=4.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=92.0km s-min=19.0km az=14.0.

SCB	**VII**	**20 14 54 28.2–1.2**	**17.45S**	**69.35W**	**168–15**	**2.3L**		
								¶625421988

SCB Event type se. Error ellipse: s-maj=12.2km s-min=6.2km az=1.0.

ISC	**VII**	**31 13 46 16.3–.55**	**16.86S–.07**	**69.57W–.06**	**173**	**4.2b**	**46**	**1-149**
NEIC	VII	31 13 46 17.7–1.9	16.95S–.08	69.64W–.10	177–8	4.5b		**¶620925360**
IDC	VII	31 13 46 22.3–1.1	15.95S	69.03W	186–9	4.2,3.7b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.4km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.5km s-min=16.1km az=16.0.

SCB	**VII**	**21 01 25 50.7–1.2**	**17.54S**	**69.39W**	**156–23**	**2.1L**		
								¶625422021

SCB Event type se. Error ellipse: s-maj=15.3km s-min=9.9km az=1.0.

SCB	**VIII**	**01 14 02 51.4–1.5**	**17.36S**	**69.40W**	**172–16**	**4.9b,3.0L**		
								¶625422295

SCB Event type se. Error ellipse: s-maj=12.5km s-min=10.2km az=2.0.

ISC	**VIII**	**07 17 33 22.9–2.4**	**17.56S–.07**	**69.3W–.10**	**170–17**		**36**	**1-8**
SCB	VIII	07 17 33 23.9–1.6	17.61S	69.27W	163–17	3.3L		**¶624776154**
GUC	VIII	07 17 33 24.6–.77	17.51S	69.28W	152–5	3.3L		

ISC Event type se.
SCB Event type se. Error ellipse: s-maj=11.9km s-min=10.6km az=1.0.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=5.3km az=-1.0. Presumed earthquake.

IDC	**VIII**	**27 08 39 49.6–6.2**	**17.06S**	**69.93W**	**157–35**	**3.8,3.3b**		
								¶621072131

IDC Error ellipse: s-maj=110.9km s-min=51.0km az=8.0.

NEIC	**VIII**	**24 21 10 06.3–2.5**	**16.97S–.08**	**69.6W–.10**	**188–4**	**4.2b**		
								¶621002276

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**12 06 56 32.7–1.0**	**17.81S–.05**	**69.83W–.09**	**148–6**		**35**	**0-87**
SJA	VIII	12 06 56 29.9–.60	17.77S	69.87W	166–3	3.7L,3.5W		**¶621009385**
IDC	VIII	12 06 56 32.9–3.2	17.82S	69.80W	142–28	3.7,3.2b		
GUC	VIII	12 06 56 33.1–.74	17.78S	69.80W	145–3	3.2L,3.2b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=4.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=43.6km s-min=26.3km az=84.0.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0. Presumed earthquake.

ISC	**VIII**	**20 18 08 27.6–2.4**	**17.57S–.07**	**69.5W–.10**	**176–15**		**31**	**1-4**
SCB	VIII	20 18 08 29.6–.95	17.60S	69.35W	161–7	1.9L		**¶624776331**
GUC	VIII	20 18 08 31.3–.73	17.68S	69.47W	164–4	2.9L		

ISC Event type se.
SCB Event type se. Error ellipse: s-maj=11.7km s-min=3.9km az=2.0.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=6.3km az=-1.0. Presumed earthquake.

ISC	**VIII**	**31 19 09 08.4–.58**	**17.73S–.04**	**69.65W–.06**	**162–5**	**3.7b**	**133**	**0-87**
NEIC	VIII	31 19 09 08.4–2.1	17.67S–.05	69.60W–.07	162–5	4.3b		**¶621012663**
VAO	VIII	31 19 09 08.2–2.2	17.72S	69.54W	157–9	4.2b		
SJA	VIII	31 19 09 08.4–.60	17.71S	69.76W	167–2	4.2L,3.9W		
IDC	VIII	31 19 09 09.1–1.6	17.61S	69.46W	154–14	4.1,3.5b		
GUC	VIII	31 19 09 10.2–.62	17.67S	69.61W	152–3	4.0L,3.5b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.2km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=12.4km s-min=20.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=4.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.0km s-min=17.7km az=31.0.
GUC Event type se. Error ellipse: s-maj=3.0km s-min=4.4km az=-1.0. Presumed earthquake.

ISC	**IX**	**02 20 56 19.6–.85**	**16.48S–.09**	**69.62W–.09**	**189**	**3.7b**	**29**	**1-149**
NEIC	IX	02 20 56 20.0–1.2	16.48S–.05	69.62W–.07	192–9	4.3b		**¶621080704**
IDC	IX	02 20 56 20.9–1.1	16.26S	69.43W	201–7	4.1,3.6b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=2.5km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.9km s-min=19.8km az=163.0.

ISC	**IX**	**07 13 22 14.4–.44**	**17.40S–.03**	**69.32W–.05**	**170–4**	**4.5b**	**241**	**0-157**
GFZ	IX	07 13 22 14.7–.33	17S–3.0	69W–4.0	165–3	4.5,4.4b		**¶621041441**
NEIC	IX	07 13 22 14.5–1.1	17.39S–.06	69.40W–.09	169–5	4.6b,4.4L		
GUC	IX	07 13 22 15.4–.80	17.44S	69.59W	176–4	4.4L,4.4L		
VAO	IX	07 13 22 15.5–.71	17.32S	69.15W	171–5	4.7b,4.4L		
IDC	IX	07 13 22 16.1–.58	17.25S	69.15W	181–4	4.5,4.0b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=7.1km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.6km s-min=6.0km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=3.5km s-min=5.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=11.4km s-min=10.5km az=27.0.

ISC	**IX**	**09 21 22 55.8–1.1**	**15.2S–.20**	**69.4W–.20**	**200**	**3.2b**	**11**	**2-147**
IDC	IX	09 21 22 56.3–1.1	15.32S	69.31W	210–22	3.9,3.3b		**¶621105907**

ISC Event type se.
IDC Error ellipse: s-maj=84.8km s-min=24.5km az=19.0.

ISC	**X**	**15 01 51 32.5–.73**	**16.50S–.07**	**69.89W–.10**	**183**	**3.7b**	**40**	**1-156**
NEIC	X	15 01 51 31.6–2.3	16.43S–.09	70.0W–.10	182–8	4.2b		**¶621202361**
IDC	X	15 01 51 34.8–1.6	16.46S	69.63W	193–12	3.7,3.2b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=9.5km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.6km s-min=23.1km az=108.0.

SCB	**IX**	**26 07 00 51.6–1.8**	**17.52S**	**69.34W**	**162–10**	**4.5b,2.8L**		
								¶625423999

SCB Event type se. Error ellipse: s-maj=11.5km s-min=5.7km az=2.0.

ISC	**X**	**03 01 17 49.6–.44**	**16.18S–.06**	**69.65W–.06**	**213**	**4.1b**	**97**	**1-148**
IDC	X	03 01 17 50.5–1.0	16.09S	69.57W	212–8	4.0,3.5b		**¶621117071**
NEIC	X	03 01 17 50.3–2.6	16.18S–.08	69.68W–.07	218–5	4.3b,3.5b		
VAO	X	03 01 17 52.1–.49	16.13S	69.46W	215	4.1b,3.5b		

ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=12.2km az=29.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.0km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.0km s-min=5.8km az=-1.0. Presumed earthquake.

SCB	**X**	**22 01 23 41.2–1.4**	**17.65S**	**69.30W**	**159–7**	**6.0b,2.0L**		
								¶625424978

SCB Event type se. Error ellipse: s-maj=10.1km s-min=4.3km az=2.0.

ISC	**X**	**22 11 06 08.6–1.1**	**17.91S–.02**	**69.19W–.03**	**4–7**	**4.5b,3.0s**	**133**	**0-150**
SCB	X	22 11 06 07.7–1.7	17.90S	69.15W	22–4	4.5b,3.5L		**¶621309321**
SJA	X	22 11 06 07.8–.67	17.92S	69.21W	8–2	3.4W,3.2L		
IDC	X	22 11 06 08.4–.78	17.92S	69.04W	0	3.9b,3.9		
NEIC	X	22 11 06 09.5–1.2	17.92S–.02	69.27W–.05	3–5	4.6b,3.9		
VAO	X	22 11 06 24.3–.90	17.31S	68.08W	22–7	4.2b,3.9		

ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.1km s-min=2.9km az=2.0.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.4km s-min=12.6km az=129.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.1km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=-1.0. Presumed earthquake.

SCB	**XII**	**07 00 13 36.2–1.4**	**17.38S**	**69.31W**	**171–8**	**3.9b,2.0L**		
								¶625428337

SCB Event type se. Error ellipse: s-maj=11.9km s-min=4.0km az=2.0.

IDC	**XI**	**11 04 43 42.1–1.7**	**16.33S**	**69.47W**	**189–20**	**3.6,3.1b**		
								¶621449505

IDC Error ellipse: s-maj=46.7km s-min=29.5km az=73.0.

IDC	**XI**	**20 13 19 54.0–1.7**	**17.15S**	**69.55W**	**184–17**	**4.0,3.5b**		
								¶621590361

IDC Error ellipse: s-maj=33.3km s-min=22.9km az=82.0.

ISC	**XI**	**28 08 43 46.9–.67**	**16.90S–.07**	**69.25W–.09**	**200**	**4.1b**	**38**	**1-71**
NEIC	XI	28 08 43 47.0–1.1	16.92S–.07	69.25W–.10	200–5	4.1b		**¶621625168**
IDC	XI	28 08 43 48.1–1.1	16.73S	69.17W	193–11	4.1,3.5b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=7.5km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=21.0km az=71.0.

ISC	**XII**	**08 06 03 50.3–.49**	**16.69S–.05**	**69.42W–.06**	**189**	**4.1b**	**109**	**1-149**
IDC	XII	08 06 03 51.7–.98	16.71S	69.29W	200–7	4.0,3.5b		**¶621634677**
NEIC	XII	08 06 03 51.1–2.1	16.73S–.07	69.45W–.08	195–6	4.3b,3.5b		
VAO	XII	08 06 03 52.4–1.2	16.54S	69.18W	190	4.2b,3.5b		

ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=17.1km az=10.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.3km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=5.9km s-min=12.5km az=-1.0. Presumed earthquake.

IDC	**XII**	**10 16 15 40.8–2.1**	**17.62S**	**69.74W**	**0**	**3.9b,3.8**		
								¶621644134

IDC Error ellipse: s-maj=65.6km s-min=21.7km az=176.0.

ISC	**XII**	**12 10 51 40.2–1.8**	**17.57S–.06**	**69.81W–.06**	**3–11**	**3.9b**	**23**	**0-136**
GUC	XII	12 10 51 37.5–.76	17.23S	69.73W	14	3.4L		**¶621650497**
IDC	XII	12 10 51 41.5–2.3	17.18S	69.69W	0	3.9b,3.8		

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=5.8km s-min=4.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=75.2km s-min=16.3km az=6.0.

ISC	**XII**	**23 11 02 01.9–.75**	**17.84S–.05**	**69.48W–.07**	**140–7**	**3.8b**	**37**	**0-88**
NEIC	XII	23 11 02 01.4–.71	17.76S–.10	69.9W–.10	158–7	4.3b		**¶621686822**
IDC	XII	23 11 02 05.6–2.0	17.67S	69.15W	171–17	3.7,3.2b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=10.5km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.0km s-min=22.4km az=59.0.

ISC	**XII**	**25 16 23 36.4–2.0**	**17.66S–.06**	**69.45W–.07**	**172–12**		**48**	**0-5**
SCB	XII	25 16 23 37.8–1.2	17.70S	69.34W	163–5	2.0L		**¶625428965**
GUC	XII	25 16 23 39.6–.66	17.71S	69.45W	157–3	2.7L		

ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.0km s-min=2.4km az=1.0.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=3.9km az=-1.0. Presumed earthquake.

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ISC	**VII**	**03 19 15 48.4–4.0**	**18.68S–.08**	**64.6W–.20**	**35**		**10**	**1-6**
SCB	VII	03 19 15 53.3–1.3	18.60S	65.21W	31–6	5.4b,2.4L		**¶625421557**

ISC Event type se.
SCB Event type se. Error ellipse: s-maj=11.5km s-min=6.5km az=1.0.

ISC	**VII**	**06 11 58 38.4–.99**	**17.08S–.06**	**64.52W–.05**	**35**		**27**	**1-10**
SCB	VII	06 11 58 32.5–1.3	17.07S	64.50W	28–5	3.3L		**¶625421631**
VAO	VII	06 11 58 37.8–.44	16.35S	64.68W	0	3.7b		

ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.0km s-min=3.9km az=0.0.
VAO Event type se. Error ellipse: s-maj=7.1km s-min=2.5km az=-1.0. Presumed earthquake.

SCB	**VII**	**09 03 52 15.1–1.3**	**17.42S**	**64.75W**	**55–15**	**5.8b,2.0L**		
								¶625421712

SCB Event type se. Error ellipse: s-maj=13.0km s-min=9.3km az=0.0.

ISC	**VII**	**14 08 23 06.6–1.2**	**17.31S–.06**	**64.34W–.05**	**35**		**23**	**1-9**
VAO	VII	14 08 23 00.5–.90	17.42S	64.25W	0	3.5b		**¶625421832**
SCB	VII	14 08 23 02.9–2.1	17.28S	64.43W	35–11	2.6L		

ISC Event type se.
VAO Event type se. Error ellipse: s-maj=10.3km s-min=3.1km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=9.8km s-min=8.2km az=0.0.

ISC	**VII**	**18 21 59 45.3–.53**	**18.98S–.04**	**66.92W–.04**	**262–6**	**4.1b**	**198**	**1-165**
SCB	VII	18 21 59 45.2–1.6	19.02S	66.90W	273–11	4.7L,4.4b		**¶620833405**
SJA	VII	18 21 59 45.6–1.0	18.94S	67.05W	287–8	4.3L,4.2W		

IDC VII 18 21 59 45.0–.98 19.01S 66.77W 243–10 4.3,3.6b
NEIC VII 18 21 59 46.0–1.7 18.99S–.06 66.80W–.07 259–4 4.5b,3.6b
GFZ VII 18 21 59 46.7–.29 19S–4.0 67W–6.0 258–7 4.4b,4.4
VAO VII 18 21 59 46.4–.51 18.80S 66.94W 271–5 4.3b,4.4
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.6km s-min=4.1km az=2.0.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=4.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.0km s-min=12.3km az=41.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.0km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VII 19 02 41 17.0–.68 17.07S–.04 65.37W–.05 14 43 1-16
SCB VII 19 02 41 13.7–1.3 17.05S 65.46W 22–4 3.9L **¶625421958**
VAO VII 19 02 41 16.8–.39 16.98S 65.21W 0 4.3b
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=3.6km s-min=2.8km az=0.0.
VAO Event type se. Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0. Presumed earthquake.
SCB X 06 03 39 32.1–2.3 18.33S 63.54W 18–10 5.1b,3.8L
¶625424347
SCB Event type se. Error ellipse: s-maj=10.4km s-min=7.9km az=0.0.
ISC IX 03 16 29 06.7–.89 14.67S–.05 61.81W–.05 10 32 1-12
SCB IX 03 16 29 04.0–1.1 14.64S 61.85W 25–7 3.3L **¶625423267**
VAO IX 03 16 29 06.8–.90 14.66S 61.78W 11–5 3.5
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.2km s-min=3.9km az=1.0.
VAO Event type se. Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. Presumed earthquake.
ISC X 05 01 19 55.1–.56 18.39S–.04 67.14W–.04 259–6 4.1b 163 1-136
SCB X 05 01 19 54.2–1.9 18.49S 67.07W 276–10 4.3L **¶621120426**
IDC X 05 01 19 55.3–.88 18.33S 67.02W 253–9 4.1,3.3b
VAO X 05 01 19 55.7–.60 18.40S 67.06W 257 4.2b,3.3b
NEIC X 05 01 19 55.5–1.5 18.44S–.05 67.08W–.10 256–10 4.4b,3.3b
SJA X 05 01 19 55.5–.68 18.47S 67.32W 288–18 4.5L,4.2W
GFZ X 05 01 19 56.4–.34 18S–4.0 67W–5.0 254–5 5.0b,4.4
ISC Event type se.
SCB Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
SCB X 04 20 47 11.5–.91 17.19S 68.96W 130–16 1.7L
¶635742629
SCB Event type se. Error ellipse: s-maj=12.6km s-min=11.8km az=1.0.
ISC X 23 03 34 32.9–.79 17.03S–.05 65.10W–.05 10 36 1-14
SCB X 23 03 34 30.6–1.6 17.00S 65.11W 23–6 2.7L **¶625425011**
VAO X 23 03 34 30.6–.38 17.10S 65.10W 0 3.5b
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.3km s-min=3.9km az=0.0.
VAO Event type se. Error ellipse: s-maj=4.6km s-min=2.0km az=-1.0. Presumed earthquake.
ISC X 19 14 26 17.7–1.4 17.14S–.08 66.49W–.08 400 42 1-6
SJA X 19 14 26 20.5–.60 17.13S 66.67W 397–7 4.1L,3.8W **¶625424848**
SCB X 19 14 26 21.9–1.5 17.06S 66.33W 362–19 5.0b,2.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.8km s-min=9.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=21.5km s-min=13.9km az=0.0.
ISC XI 25 07 27 30.0–1.3 15.08S–.05 60.58W–.07 10 15 1-7
SCB XI 25 07 27 25.1–1.3 15.11S 60.81W 44–10 2.8L **¶625427982**
VAO XI 25 07 27 27.9–.33 15.08S 60.62W 0 3.1
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=8.8km s-min=6.6km az=1.0.
VAO Event type se. Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. Presumed earthquake.
ISC XI 23 08 59 36.4–1.4 18.86S–.06 66.99W–.07 246 33 1-7
SCB XI 23 08 59 34.8–1.7 18.84S 66.98W 268–15 3.5L **¶625427895**
SJA XI 23 08 59 35.1–.83 18.88S 67.07W 288–46 3.5L,3.5W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.2km s-min=4.1km az=2.0.
SJA Event type se. Error ellipse: s-maj=7.5km s-min=47.5km az=-1.0. Presumed earthquake.
ISC XI 29 08 07 04.1–.85 17.36S–.05 64.95W–.05 10 28 1-11
VAO XI 29 08 07 00.1–.45 17.49S 65.03W 0 3.9b **¶625428097**
SCB XI 29 08 07 02.6–2.5 17.34S 64.96W 34–12 3.2L
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=4.5km s-min=2.3km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=9.8km s-min=8.2km az=0.0.
ISC XII 23 16 01 54.8–.43 17.30S–.03 65.14W–.03 10 3.9b 120 1-152
SJA XII 23 16 01 53.8–.33 17.27S 65.14W 8–4 3.4W,3.3L **¶621652209**
IDC XII 23 16 01 53.2–.70 17.26S 65.15W 0 3.8b,3.8
VAO XII 23 16 01 53.8–.32 17.78S 65.17W 10 4.4b,3.8
SCB XII 23 16 01 55.5–1.5 17.34S 65.17W 28–6 4.2L,3.8
NEIC XII 23 16 02 00.4–1.7 17.27S–.06 65.20W–.06 51–7 4.0b,3.8
ISC Event type se.
SJA Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
SCB Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 03 20 39 43.6–.54 18.84S–.04 67.35W–.04 235–6 4.2b 233 1-151
SCB XII 03 20 39 43.8–2.5 18.85S 67.27W 246–13 4.3b,4.2L **¶621612045**
SJA XII 03 20 39 43.0–.62 18.80S 67.43W 268–5 4.3L,4.1W
GFZ XII 03 20 39 43.6–.27 19S–3.0 68W–3.0 274 5.1b,4.6L
VAO XII 03 20 39 44.3–.45 18.86S 67.25W 219 4.3b,4.6L
IDC XII 03 20 39 44.2–1.3 18.74S 67.13W 229–10 4.2,3.4b
NEIC XII 03 20 39 44.1–2.1 18.85S–.06 67.31W–.09 235–4 4.4b,3.4b
GUC XII 03 20 39 47.1–.70 18.89S 67.68W 250–10 4.3L,3.4b
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=8.1km s-min=5.9km az=2.0.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=3.5km s-min=4.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=19.9km s-min=13.3km az=20.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.5km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.4km s-min=10.1km az=-1.0. Presumed earthquake.
SCB XII 09 11 22 41.5–1.8 17.16S 65.30W 16–15 4.8b,2.6L
¶625428398
SCB Event type se. Error ellipse: s-maj=9.0km s-min=7.4km az=0.0.

(121) Off coast of northern Chile.

ISC VII 02 06 41 33.9–.50 18.10S–.06 71.95W–.05 29 4.2b,3.6s 76 2-157
VAO VII 02 06 41 31.5–.60 18.10S 72.04W 17 4.3b,3.6s **¶620697800**
NEIC VII 02 06 41 32.4–1.8 18.13S–.07 71.98W–.09 13–6 4.3b,3.6s
IDC VII 02 06 41 42.2–2.9 17.74S 71.66W 82–23 3.9,3.6b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=5.2km s-min=6.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=10.5km az=73.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.7km s-min=16.9km az=22.0.
ISC VII 08 10 30 37.1–.25 18.36S–.03 71.24W–.04 36–1 5.4b,4.4s 672 1-171
MOS VII 08 10 30 35.5–1.1 18.31S 71.16W 34 5.5b,4.4s **¶620773511**
BJI VII 08 10 30 36.7 18.10S 70.82W 36 5.5s,5.4
IDC VII 08 10 30 36.8–1.5 18.39S 71.25W 35–11 5.1,4.9b
VAO VII 08 10 30 36.2–1.2 18.29S 71.13W 31–8 5.5b,4.9b
SJA VII 08 10 30 37.4–1.3 18.70S 71.47W 40 5.2L,4.9W
NEIC VII 08 10 30 38.1–2.8 18.47S–.05 71.32W–.07 38–3 5.4b,5.1
NEIC VII 08 10 30 38.7 18.47S 71.27W 43 5.4b,5.1
GUC VII 08 10 30 39.3–.78 18.47S 71.25W 50–28 5.1L,5.1
GFZ VII 08 10 30 39.0–.13 18S–1.0 71W–3.0 52–1 5.4,5.3b
NEIC VII 08 10 30 39.1 18.48S 71.25W 48 5.4,5.3b
NEIC VII 08 10 30 39.5 18.48S 71.25W 30 5.2,5.3b
GCMT VII 08 10 30 40.7–.20 18.47S–.01 71.28W–.02 62–2 5.2W,5.3b
ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.21 $M_{\theta\theta}$1.09 $M_{\phi\phi}$2.12 $M_{r\theta}$4.10 $M_{\theta\phi}$-3.31 $M_{\phi r}$-0.29 NP1:ϕ_s170.12000°,δ36.44000°,λ-34.05000°. NP2:ϕ_s288.66000°,δ70.57000°,λ-121.46000°. Principal axes: T 5.9894,Plg19.0000°,Azm42.0000°; N 0.0038,Plg29.0000°,Azm300.0000°; P -5.9931,Plg54.0000°,Azm160.0000° $M_0$5.99000×10^{16}
NEIC Event type se.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.64 $M_{\theta\theta}$1.45 $M_{\phi\phi}$3.19 $M_{r\theta}$6.86 $M_{\theta\phi}$-4.01 $M_{\phi r}$-1.44 NP1:ϕ_s168.96000°,δ29.12000°,λ-36.41000°. NP2:ϕ_s291.76000°,δ73.21000°,λ-114.14000°. Principal axes: T 8.9383,Plg24.0000°,Azm40.0000°; N 0.2508,Plg23.0000°,Azm299.0000°; P -9.1891,Plg55.0000°,Azm171.0000° $M_0$9.07000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107081030A. Moment Tensor Solution. s73,c101; s114,c196;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.12±.23 $M_{\theta\theta}$0.43±.19; $M_{\phi\phi}$3.69±.23; $M_{r\theta}$4.82±.12; $M_{\theta\phi}$-3.58±.14; $M_{\phi r}$-2.50±.16; Best double couple: NP1: ϕ_s175.00000°,δ29.00000°,λ-42.00000°. NP2:ϕ_s304.00000°,δ71.00000°,λ-113.00000°. Principal axes: T 7.9520,Plg22.0000°,Azm51.0000°; N -0.7730,Plg21.0000°,Azm311.0000°; P -7.1790,Plg58.0000°,Azm182.0000° $M_0$7.56600×10^{16}
ISC VII 09 21 51 43.3–.90 25.74S–.03 71.09W–.06 42–9 4.6b,3.6s 140 1-165
VAO VII 09 21 51 36.4–3.8 26.31S 71.15W 26–20 4.6b,3.6s **¶620928286**
IDC VII 09 21 51 38.5–1.1 25.83S 70.87W 0 4.7b,4.7
SJA VII 09 21 51 41.9–1.2 25.69S 71.24W 40 4.4L,4.2W
NEIC VII 09 21 51 45.0–1.5 25.71S–.03 71.03W–.03 41–6 4.6b,4.5L
GUC VII 09 21 51 45.0–.63 25.74S 70.86W 31–5 4.5L,4.5L
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=12.5km s-min=19.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=31.8km s-min=17.5km az=113.0.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=9.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=1.6km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=5.3km az=-1.0. Presumed earthquake.
ISC VIII 12 05 29 23.7–1.6 19.88S–.03 71.35W–.05 14–10 4.8b,3.3s 216 1-159
SJA VIII 12 05 29 20.6–.69 19.85S 71.53W 21–8 4.4W,4.0L **¶620983376**
IDC VIII 12 05 29 22.8–.58 19.80S 71.46W 0 4.3b,4.2
NEIC VIII 12 05 29 23.1–1.4 19.92S–.04 71.33W–.06 10–3 4.7b,4.5
NEIC VIII 12 05 29 24.4 19.91S 71.33W 19 4.7b,4.5
GUC VIII 12 05 29 26.3–.84 19.78S 71.27W 32–7 4.1L,4.5
GFZ VIII 12 05 29 28.0–.88 20S–3.0 71W–7.0 39–11 4.6b,4.6
VAO VIII 12 05 29 29.0–.48 19.76S 71.21W 38 4.2b,4.6
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=6.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=19.4km s-min=15.0km az=91.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.5km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.91 $M_{\theta\theta}$2.27 $M_{\phi\phi}$-0.36 $M_{r\theta}$-1.72 $M_{\theta\phi}$0.80 $M_{\phi r}$-1.65 NP1:ϕ_s278.65000°,δ27.44000°,λ-47.68000°. NP2:ϕ_s52.91000°,δ70.08000°,λ-109.27000°. Principal axes: T 3.3801,Plg23.0000°,Azm158.0000°; N -0.2035,Plg18.0000°,Azm60.0000°; P -3.1766,Plg60.0000°,Azm295.0000° $M_0$3.28000×10^{15}
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=3.2km s-min=5.9km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=3.8km s-min=5.2km az=-1.0. Presumed earthquake.
ISC IX 11 12 26 14.1–.61 18.44S–.04 71.39W–.06 22–5 4.3b 151 1-158
GFZ IX 11 12 26 08.8–.68 18S–4.0 72W–5.0 22–3 6.3b,6.0 **¶621069788**
IDC IX 11 12 26 11.7–.69 18.44S 71.46W 0 4.0b,4.0
VAO IX 11 12 26 14.0–1.4 18.34S 71.53W 35 4.6b,4.0
SJA IX 11 12 26 15.0–.77 18.54S 71.36W 24–6 4.2W,4.0L
NEIC IX 11 12 26 16.7–1.6 18.47S–.04 71.35W–.06 35–1 4.4b,4.0L
GUC IX 11 12 26 17.3–.75 18.43S 71.33W 34–4 4.1L,4.0L
ISC Event type se.
GFZ Error ellipse: s-maj=11.3km s-min=7.1km az=112.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=20.2km s-min=16.8km az=147.0.
VAO Event type se. Error ellipse: s-maj=5.9km s-min=14.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=5.9km s-min=5.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.8km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=3.7km az=-1.0. Presumed earthquake.
ISC VIII 16 21 20 03.6–1.8 19.80S–.03 71.27W–.07 13–10 51 1-145
SJA VIII 16 21 20 03.4–.49 19.85S 71.36W 33–15 3.7W,3.4L **¶621030208**
GUC VIII 16 21 20 06.4–.64 19.74S 71.25W 32–2 3.4L,3.4L
IDC VIII 16 21 20 12.2–3.5 19.91S 71.19W 75–31 3.7,3.4b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.1km s-min=11.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=51.1km s-min=24.1km az=99.0.
ISC IX 11 16 41 21.2–.54 18.45S–.04 71.45W–.05 21–4 4.2b,3.6s 133 1-158
GFZ IX 11 16 41 18.2–.68 18S–3.0 72W–5.0 26–4 4.7,4.6 **¶621070377**
IDC IX 11 16 41 18.2–.76 18.67S 71.49W 0 4.0b,4.0
VAO IX 11 16 41 21.1–.80 18.43S 71.60W 44 4.4b,4.0
GUC IX 11 16 41 22.4–.72 18.43S 71.49W 28–4 4.1L,4.0
NEIC IX 11 16 41 24.2–2.1 18.53S–.04 71.44W–.08 47–12 4.3b,4.0L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
VAO Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 10 01 48.5–1.7 18.45S–.04 71.50W–.05 26–12 4.3b 109 1-158
NEIC IX 11 10 01 49.9–1.4 18.45S–.06 71.49W–.06 35–2 4.2b,4.0L **¶621069781**
SJA IX 11 10 01 49.1–.70 18.50S 71.35W 28–3 3.9W,3.7L
IDC IX 11 10 01 51.3–3.4 18.30S 71.47W 40–29 3.9,3.7L
GUC IX 11 10 01 51.5–.79 18.44S 71.33W 37–5 4.0L,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.1km az=9.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=3.7km s-min=3.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=28.2km s-min=20.6km az=82.0.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0. Presumed earthquake.
ISC IX 11 10 11 19.7–3.2 18.40S–.05 71.58W–.06 17–21 4.3b 84 1-151
IDC IX 11 10 11 18.1–1.5 18.25S 71.71W 0 4.1b,4.1 **¶621069782**
NEIC IX 11 10 11 21.5–1.4 18.44S–.06 71.73W–.05 35–1 4.3b,3.9L
SJA IX 11 10 11 22.5–1.2 18.55S 71.33W 22–12 3.7L,3.6W
GUC IX 11 10 11 24.9–.83 18.44S 71.34W 36–7 3.9L,3.6W
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=18.2km az=135.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.9km az=334.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=11.1km s-min=8.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=3.9km az=-1.0. Presumed earthquake.

ISC X 14 00 09 23.3–2.2 27.53S–.04 72.10W–.08 9–11 37 1-4
GUC X 14 00 09 26.3–.67 27.56S 71.95W 29–8 3.9L **¶625233598**
SJA X 14 00 09 28.8–1.1 27.65S 71.78W 31–4 3.7L,3.5W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.7km s-min=6.7km az=-1.0. Presumed earthquake.
ISC IX 24 19 51 50.6–2.2 26.71S–.03 71.34W–.08 16–14 35 1-6
SJA IX 24 19 51 49.6–1.6 26.64S 71.35W 20 3.6L,3.5W **¶624897525**
GUC IX 24 19 51 56.3–.43 26.73S 70.91W 53–11 3.9L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.9km s-min=9.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=10.3km az=-1.0. Presumed earthquake.
ISC IX 20 07 12 12.9–.40 22.27S–.03 71.01W–.05 21–3 4.5b,3.4s 243 1-147
IDC IX 20 07 12 11.3–.71 22.34S 70.82W 0 4.1L,4.0 **¶621083227**
VAO IX 20 07 12 12.5–.63 22.19S 70.92W 10 4.4b,4.0
NEIC IX 20 07 12 12.2 22.28S 71.05W 17 4.4b,4.0
GFZ IX 20 07 12 12.4–.20 22S–2.0 71W–2.0 10 5.2b,4.9
SJA IX 20 07 12 13.3–1.1 22.25S 70.91W 40–999 4.3L,4.0W
NEIC IX 20 07 12 13.1–.96 22.29S–.04 71.01W–.05 25–4 4.5b,4.3L
GUC IX 20 07 12 16.0–.90 22.23S 70.83W 42–5 4.3L,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=13.8km az=74.0.
VAO Event type se. Error ellipse: s-maj=5.8km s-min=5.9km az=-1.0. Presumed earthquake.
NEIC Event type se.
GFZ Error ellipse: s-maj=5.0km s-min=3.4km az=103.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=6.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.59 $M_{\theta\theta}$1.96 $M_{\phi\phi}$-3.55 $M_{r\theta}$1.13 $M_{\theta\phi}$0.21 $M_{\phi r}$-0.50 NP1:ϕ_s35.83000°,δ57.44000°,λ152.86000°. NP2:ϕ_s141.25000°,δ67.39000°,λ35.66000°. Principal axes: T 2.9269,Plg41.0000°,Azm2.0000°; N 0.6885,Plg49.0000°,Azm169.0000°; P -3.6154,Plg6.0000°,Azm267.0000° M_o3.33000×10^{15}
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0. Presumed earthquake.
ISC IX 11 21 52 56.9–2.4 18.55S–.05 71.3W–.10 10–11 43 1-4
SJA IX 11 21 52 56.5–.76 18.53S 71.29W 28–3 3.7W,3.5L **¶624897193**
GUC IX 11 21 52 59.2–.87 18.57S 71.28W 20–12 3.5L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.1km s-min=4.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=6.7km az=-1.0. Presumed earthquake.
ISC IX 20 12 43 49.4–.92 18.23S–.04 71.16W–.06 62–8 4.1b 129 1-148
VAO IX 20 12 43 47.3–1.5 18.17S 71.30W 50 4.4b **¶621086508**
NEIC IX 20 12 43 49.4–1.3 18.24S–.07 71.24W–.07 50–7 4.3b,4.2L
SJA IX 20 12 43 49.5–1.9 18.32S 71.14W 50 3.9L,3.9W
GUC IX 20 12 43 51.2–.79 18.18S 71.03W 68–6 4.2L,3.9W
IDC IX 20 12 43 51.6–2.2 18.10S 71.10W 84–21 4.1,3.7b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=11.5km s-min=13.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.7km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=6.9km s-min=7.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=4.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.1km s-min=18.8km az=66.0.
ISC XI 04 22 32 08.1–2.4 18.19S–.09 71.17W–.09 6–12 44 1-5
SJA XI 04 22 32 10.2–.69 18.24S 71.17W 31–2 3.5W,3.4L **¶625536904**
GUC XI 04 22 32 11.3–.79 18.13S 71.18W 37–4 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=4.0km az=-1.0. Presumed earthquake.
ISC X 17 13 04 03.0–1.4 26.02S–.02 71.13W–.05 9–8 4.6b 158 0-165
IDC X 17 13 04 02.9–.70 25.98S 70.97W 0 4.2b,4.2 **¶621205009**
SJA X 17 13 04 02.1–.73 26.03S 71.23W 24–3 4.4W,4.3L
GFZ X 17 13 04 03.4–.25 26S–2.0 71W–4.0 10 5.3b,4.8L
NEIC X 17 13 04 04.5–1.1 26.03S–.04 71.12W–.04 16–3 4.6b,4.4
NEIC X 17 13 04 04 26.03S 71.13W 12 4.6b,4.4
GUC X 17 13 04 05.2–.78 26.07S 71.05W 28–8 4.2L,4.4
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=13.2km az=90.0.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=4.0km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.6km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.01 $M_{\theta\theta}$0.25 $M_{\phi\phi}$-1.26 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.81 $M_{\phi r}$-1.92 NP1:ϕ_s173.13000°,δ76.21000°,λ65.88000°. NP2:ϕ_s55.09000°,δ27.58000°,λ149.01000°. Principal axes: T 2.4022,Plg53.0000°,Azm55.0000°; N 0.0441,Plg23.0000°,Azm179.0000°; P -2.4463,Plg27.0000°,Azm282.0000° M_o2.42000×10^{15}
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=5.2km az=-1.0. Presumed earthquake.
ISC XII 04 19 22 03.8–1.7 22.03S–.03 71.28W–.06 13–11 4.2b 83 1-147
NEIC XII 04 19 22 05.6–2.2 22.02S–.03 71.27W–.06 19–5 4.1L,4.1b **¶621612566**
SJA XII 04 19 22 05.6–1.0 22.04S 71.14W 40–10 4.0L,3.6W
GUC XII 04 19 22 08.3–.76 21.98S 71.14W 30–3 4.1L,3.6W
IDC XII 04 19 23 04.5–2.3 17.48S 68.13W 274–30 3.9,3.6W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.2km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=8.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=60.8km s-min=36.1km az=145.0.
ISC XI 06 17 58 40.8–2.9 18.42S–.06 71.36W–.09 16–15 52 1-5
SJA XI 06 17 58 38.7–.78 18.42S 71.43W 20–3 3.4W,3.3L **¶625536937**
GUC XI 06 17 58 42.6–.87 18.40S 71.32W 25–3 3.7L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.2km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=3.4km az=-1.0. Presumed earthquake.
ISC XII 17 00 52 20.6–.90 24.51S–.03 71.09W–.07 37–1 4.2b 87 1-149
IDC XII 17 00 52 15.4–1.1 24.47S 71.65W 0 3.9b,3.8 **¶621656902**
NEIC XII 17 00 52 17.9–.99 24.51S–.04 71.2W–.10 10–1 4.3b,3.8L
SJA XII 17 00 52 18.7–1.4 24.49S 71.18W 44–12 3.6L,3.4W
GUC XII 17 00 52 22.2–.93 24.55S 70.84W 50–5 3.8L,3.4W
ISC Event type se.
IDC Error ellipse: s-maj=47.7km s-min=20.0km az=80.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=6.8km az=274.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=13.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=5.8km az=-1.0. Presumed earthquake.
ISC XII 07 09 39 37.8–.49 18.58S–.03 71.08W–.04 29–3 5.3b,5.0s 578 1-179
IDC XII 07 09 39 33.1–.42 18.70S 71.10W 0 4.9s,4.8b **¶621616414**
MOS XII 07 09 39 33.7–1.0 18.58S 71.12W 10 5.6b,5.1s
NEIC XII 07 09 39 36.9–.95 18.55S–.05 71.07W–.07 18–3 5.6,5.4b
VAO XII 07 09 39 37.4–.32 18.61S 71.01W 31 5.1b,5.4b
GFZ XII 07 09 39 37.6 18.66S 71.09W 29 5.6W,5.4b
GFZ XII 07 09 39 37.6–.80 19S–2.0 71W–3.0 21–5 5.8b,5.6L
GUC XII 07 09 39 38.9–.89 18.57S 71.02W 31–7 5.1L,5.6L
IPGP XII 07 09 39 38.0 18.64S 71.07W 31 5.5W,5.6L
NEIC XII 07 09 39 38.4 18.62S 71.02W 25 5.5W,5.6L
NEIC XII 07 09 39 38.4 18.62S 71.02W 25 5.5W,5.6L
BJI XII 07 09 39 40.4 18.60S 71.00W 30 5.6s,5.5b
GCMT XII 07 09 39 42.5–.10 18.67S–.01 71.35W–.01 36–0 5.6W,5.5b
NEIC XII 07 09 39 45.9 18.62S 71.02W 24 5.6,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=12.8km s-min=10.6km az=31.0.
MOS Error ellipse: s-maj=13.1km s-min=7.6km az=104.8.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.6km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-0.89 $M_{r\theta}$0.01 $M_{\theta\phi}$0.17 $M_{\phi r}$-0.85 NP1:ϕ_s342.30000°,δ25.06000°,λ78.25000°. NP2:ϕ_s175.23000°,δ65.50000°,λ95.44000°. Principal axes: T 1.3489,Plg69.0000°,Azm96.0000°; N -0.1111,Plg5.0000°,Azm353.0000°; P -1.2378,Plg20.0000°,Azm261.0000° M_o1.30000×10^{17}
VAO Event type se. Error ellipse: s-maj=4.0km s-min=3.8km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.05 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$-1.70 $M_{r\theta}$0.43 $M_{\theta\phi}$0.91 $M_{\phi r}$-1.85 NP1:ϕ_s162.32553°,δ66.15585°,λ97.82636°. NP2:ϕ_s323.54666°,δ25.02426°,λ72.87601°. Principal axes: T 2.8090,Plg67.9075°,Azm87.1592°; N 0.0524,Plg7.1547°,Azm339.1452°; P -2.8614,Plg20.7862°,Azm246.4141° M_o2.83556×10^{17}
GFZ Error ellipse: s-maj=6.3km s-min=4.0km az=80.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=4.1km s-min=4.7km az=-1.0. Presumed earthquake.
IPGP Moment Tensor Solution. NP1:ϕ_s314.00000°,δ30.00000°,λ64.00000°. NP2:ϕ_s164.00000°,δ64.00000°,λ104.00000°.
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112070939A. Moment Tensor Solution. s130,c225; s136,c236;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.91±.03 $M_{\theta\theta}$0.24±.03; $M_{\phi\phi}$-2.15±.03; $M_{r\theta}$0.42±.04; $M_{\theta\phi}$0.95±.02; $M_{\phi r}$-1.98±.05; Best double couple: NP1:ϕ_s332.00000°,δ24.00000°,λ77.00000°. NP2:ϕ_s167.00000°,δ66.00000°,λ96.00000°. Principal axes: T 2.7160,Plg68.0000°,Azm88.0000°; N 0.5460,Plg5.0000°,Azm344.0000°; P -3.2620,Plg21.0000°,Azm252.0000° M_o2.98900×10^{17}
NEIC Event type se. Moment Tensor Solution. Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.60 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.65 $M_{r\theta}$0.79 $M_{\theta\phi}$0.85 $M_{\phi r}$-1.85 NP1:ϕ_s338.32000°,δ20.97000°,λ91.26000°. NP2:ϕ_s156.97000°,δ69.04000°,λ89.52000°. Principal axes: T 2.4941,Plg66.0000°,Azm66.0000°; N 0.4076,Plg0.0000°,Azm157.0000°; P -2.9016,Plg24.0000°,Azm247.0000° M_o2.72000×10^{17}
ISC XII 07 09 43 17.2–1.5 18.52S–.06 71.20W–.07 34–5 45 1-72
NEIC XII 07 09 43 17.9–1.7 18.49S–.06 71.13W–.07 35–2 4.5b,4.2L **¶622512042**
GUC XII 07 09 43 19.4–.83 18.52S 71.09W 34–5 4.2L,4.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.4km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.4km s-min=5.4km az=-1.0. Presumed earthquake.
ISC XII 18 02 42 13.0–2.6 18.55S–.05 71.23W–.07 3–15 3.3b 39 1-125
IDC XII 18 02 42 12.7–1.5 18.74S 71.52W 0 3.4b,3.4 **¶621656967**
SJA XII 18 02 42 15.7–1.6 18.50S 71.09W 29–8 3.4L,3.4W
GUC XII 18 02 42 18.1–.80 18.48S 71.06W 39–5 3.4L,3.4W
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=18.0km az=158.0.
SJA Event type se. Error ellipse: s-maj=9.7km s-min=9.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.3km s-min=4.1km az=-1.0. Presumed earthquake.

(122) Near coast of northern Chile.

ISC VII 05 18 19 05.1–1.5 20.58S–.03 70.75W–.06 18–9 46 1-3
SJA VII 05 18 19 03.5–.72 20.62S 70.81W 24–2 3.6W,3.4L **¶624631893**
GUC VII 05 18 19 05.5–.79 20.57S 70.78W 19–5 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0. Presumed earthquake.
ISC VII 10 02 28 57.8–.83 21.35S–.02 70.01W–.05 57–5 81 0-25
SJA VII 10 02 28 57.4–.77 21.37S 69.95W 61–4 4.2L,4.0W **¶622450557**
NEIC VII 10 02 28 58.3–.96 21.37S–.03 69.92W–.07 59–6 4.2L,4.1b
GUC VII 10 02 28 59.1–.56 21.38S 69.89W 59–2 4.2L,4.1b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=4.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.0km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=0.8km s-min=2.7km az=-1.0. Presumed earthquake.
ISC VII 11 23 12 58.1–.43 25.80S–.03 70.34W–.05 57–4 4.2b 178 0-151
SJA VII 11 23 12 57.8–.78 25.80S 70.35W 63–6 4.4L,4.4W **¶620787519**
GFZ VII 11 23 12 58.7–.21 26S–2.0 70W–5.0 60–2 4.5b,4.5
NEIC VII 11 23 12 58.7–2.0 25.78S–.03 70.29W–.07 56–7 4.4L,4.2b
IDC VII 11 23 12 58.9–.51 25.76S 70.10W 56–4 4.1,3.9b
GUC VII 11 23 12 59.3–.67 25.82S 70.27W 63–6 4.4L,3.9b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=6.6km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=11.3km s-min=4.1km az=92.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.4km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=12.2km az=85.0.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VII 17 09 14 56.3–.83 28.00S–.02 71.04W–.04 10 64 1-152
SJA VII 17 09 14 56.2–.68 28.01S 71.06W 20–2 3.8L,3.7W **¶620928762**
GUC VII 17 09 14 59.6–.86 28.09S 70.92W 53–6 3.7L,3.7W
IDC VII 17 09 15 05.8–1.2 27.76S 72.45W 0 4.2b,4.2
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=6.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=74.4km s-min=33.1km az=142.0.
ISC VII 24 03 56 53.8–2.0 27.00S–.03 71.17W–.07 11–12 46 1-5
SJA VII 24 03 56 56.0–.71 27.03S 71.11W 40–16 3.6W,3.4L **¶624632234**
GUC VII 24 03 56 57.5–.73 27.07S 70.97W 44–3 3.4L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.4km az=-1.0. Presumed earthquake.
ISC VII 28 11 09 51.0–1.0 18.59S–.04 70.67W–.08 47–9 4.3b 88 0-158
NEIC VII 28 11 09 51.1–1.2 18.56S–.06 70.68W–.10 43–8 4.4b,4.4L **¶620857220**
GUC VII 28 11 09 52.5–.85 18.60S 70.64W 36–4 4.4L,4.4L
IDC VII 28 11 09 56.1–2.8 18.50S 70.41W 93–24 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=7.5km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=3.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.3km s-min=16.8km az=80.0.
ISC VII 25 06 51 33.2–1.9 27.80S–.03 71.22W–.06 9–14 38 1-5
SJA VII 25 06 51 32.6–.80 27.86S 71.28W 8–3 3.9L,3.4W **¶620967970**
GUC VII 25 06 51 34.4–.79 27.85S 71.23W 40–3 3.9L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=4.5km az=-1.0. Presumed earthquake.
ISC VII 28 04 44 19.9–.87 22.45S–.03 70.38W–.06 65–7 4.2b 87 0-70
SJA VII 28 04 44 20.0–.76 22.43S 70.23W 69–4 4.3L,3.9W **¶620857919**
GUC VII 28 04 44 21.9–.75 22.41S 70.20W 67–4 4.0L,3.9W
NEIC VII 28 04 44 21.3–1.6 22.44S–.03 70.25W–.07 65–5 4.2b,4.0L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 00 18 35.5–1.6 27.14S–.03 71.85W–.05 2–9 4.6b 211 1-166
GUC VII 30 00 18 33.2–.56 27.05S 72.25W 12–27 4.1L **¶620883008**
GFZ VII 30 00 18 35.9–.36 27S–2.0 72W–6.0 10 4.8,4.7b
IDC VII 30 00 18 35.8–.80 27.01S 71.93W 0 4.4L,4.4b
SJA VII 30 00 18 35.0–.73 27.08S 72.05W 39–8 4.1L,4.1W
NEIC VII 30 00 18 37.9–1.8 27.13S–.04 71.72W–.07 10–1 4.6b,4.2
VAO VII 30 00 18 37.5–.55 27.10S 71.75W 10 4.6b,4.2
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.9km s-min=10.3km az=-1.0. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=25.1km s-min=11.9km az=91.0.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=6.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.5km az=274.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.5km s-min=6.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 02 42 54.4–1.6**	**20.61S–.02**	**70.76W–.06**	**13–9**		**54**	**1-146**
SJA	VII	31 02 42 51.7–.76	20.59S	70.90W	18–2	3.8W,3.6L	**¶620986103**	
IDC	VII	31 02 42 54.6–1.2	20.75S	70.10W	0	3.5L,3.4b		
GUC	VII	31 02 42 56.6–.79	20.59S	70.74W	25–3	3.5L,3.4b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=46.3km s-min=17.7km az=105.0.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0. Presumed earthquake.

ISC	**VIII**	**02 15 09 33.2–.62**	**22.52S–.03**	**70.42W–.04**	**59–6**	**4.6b,3.5s**	**194**	**0-147**
VAO	VIII	02 15 09 32.3–.48	22.56S	70.44W	63	4.7b,3.5s	**¶620929570**	
SJA	VIII	02 15 09 33.2–.64	22.52S	70.37W	61	4.7L,4.4W		
NEIC	VIII	02 15 09 34.8–.85	22.49S–.03	70.38W–.04	61–4	4.7,4.7		
IDC	VIII	02 15 09 34.7–2.2	22.64S	70.05W	59–19	4.5L,4.4		
GUC	VIII	02 15 09 34.0–.86	22.51S	70.28W	65–5	4.9L,4.4		
NEIC	VIII	02 15 09 34.8	22.50S	70.36W	62	4.9L,4.4		
GFZ	VIII	02 15 09 34.5–.26	23S–2.0	70W–5.0	65–4	5.0,4.9b		
GFZ	VIII	02 15 09 34.5	22.56S	70.40W	69	4.7W,4.9b		

ISC Event type se.
VAO Event type se. Error ellipse: s-maj=4.0km s-min=5.0km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.14 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.09 $M_{r\theta}$0.36 $M_{\theta\phi}$0.80 $M_{\phi r}$-1.20 NP1:ϕ_s170.87000°,δ85.98000°,λ120.49000°. NP2:ϕ_s267.67000°,δ30.73000°,λ7.90000°. Principal axes: T 1.2936,Plg41.0000°,Azm109.0000°; N 0.3392,Plg30.0000°,Azm348.0000°; P -1.6329,Plg34.0000°,Azm235.0000° $M_0$1.49000×10^{16}
IDC Error ellipse: s-maj=24.6km s-min=15.4km az=97.0.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0. Presumed earthquake.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.00 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$0.22 $M_{r\theta}$0.25 $M_{\theta\phi}$0.76 $M_{\phi r}$-1.10 NP1:ϕ_s170.34668°,δ89.94794°,λ125.20186°. NP2:ϕ_s260.42048°,δ35.20189°,λ0.09031°. Principal axes: T 1.3321,Plg35.3407°,Azm110.3268°; N 0.0829,Plg35.2018°,Azm350.3100°; P -1.4150,Plg35.2505°,Azm230.4034° $M_0$1.37540×10^{16}

ISC	**VIII**	**02 11 51 29.0–.55**	**25.46S–.03**	**70.49W–.05**	**51–5**	**4.3b**	**99**	**1-150**
SJA	VIII	02 11 51 19.7–.73	24.57S	70.22W	74	4.1L,3.6W	**¶620929556**	
NEIC	VIII	02 11 51 29.4–1.9	25.49S–.02	70.5W–.10	53–6	4.5b,4.4		
IDC	VIII	02 11 51 30.5–.63	25.51S	70.02W	55–5	4.1,3.8b		
GUC	VIII	02 11 51 30.6–.74	25.37S	70.42W	72–8	4.4L,3.8b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.5km s-min=8.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=2.1km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.0km s-min=12.4km az=90.0.
GUC Event type se. Error ellipse: s-maj=3.7km s-min=11.7km az=-1.0. Presumed earthquake.

ISC	**VIII**	**06 04 18 45.5–1.1**	**27.11S–.03**	**71.07W–.04**	**7–6**	**4.2b,3.6s**	**96**	**1-169**
SJA	VIII	06 04 18 46.7–1.3	27.16S	71.01W	21–4	3.9L,3.8W	**¶620998854**	
NEIC	VIII	06 04 18 47.4–2.1	27.14S–.02	71.00W–.06	10–1	4.3b,4.0L		
GUC	VIII	06 04 18 49.4–.78	27.20S	70.96W	32–4	4.0L,4.0L		
IDC	VIII	06 04 18 52.3–3.1	27.01S	70.87W	50–25	4.0,3.8L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=5.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=3.2km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=34.8km s-min=15.6km az=89.0.

ISC	**VIII**	**28 22 56 20.4–1.3**	**22.80S–.03**	**70.66W–.05**	**26–13**		**46**	**0-4**
SJA	VIII	28 22 56 19.6–.91	22.81S	70.66W	24–5	3.6W,3.5L	**¶624776465**	
GUC	VIII	28 22 56 22.6–.77	22.86S	70.59W	26–6	3.3L,3.5L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=4.4km az=-1.0. Presumed earthquake.

ISC	**VIII**	**20 07 07 13.9–1.3**	**21.33S–.02**	**70.46W–.05**	**11–8**	**4.2b**	**84**	**1-146**
IDC	VIII	20 07 07 13.5–1.7	21.48S	70.21W	0	3.9L,3.8b	**¶620998480**	
SJA	VIII	20 07 07 14.5–.66	21.33S	70.44W	27–1	4.0W,3.9L		
NEIC	VIII	20 07 07 15.3–1.7	21.33S–.03	70.43W–.03	21–1	4.2b,3.9L		
GUC	VIII	20 07 07 15.3–.86	21.34S	70.41W	37–3	3.9L,3.9L		

ISC Event type se.
IDC Error ellipse: s-maj=59.5km s-min=23.4km az=107.0.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0. Presumed earthquake.

ISC	**VIII**	**21 22 07 50.2–.49**	**18.19S–.03**	**70.18W–.05**	**84–4**	**4.5b**	**167**	**0-150**
NEIC	VIII	21 22 07 50.3–1.6	18.25S–.04	70.29W–.07	84–3	4.7b	**¶620999417**	
SJA	VIII	21 22 07 50.1–.75	18.28S	70.38W	82–2	4.4L,4.2W		
GUC	VIII	21 22 07 50.4–.75	18.27S	70.32W	84–3	4.5L,4.2W		
IDC	VIII	21 22 07 50.9–.82	18.17S	69.96W	81–7	4.4,4.1b		
VAO	VIII	21 22 07 51.9–1.8	18.16S	69.98W	86–9	4.5b,4.1b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=2.4km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=4.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.5km s-min=14.8km az=59.0.
VAO Event type se. Error ellipse: s-maj=5.6km s-min=13.4km az=-1.0. Presumed earthquake.

ISC	**VIII**	**31 09 56 46.7–1.2**	**25.45S–.02**	**70.01W–.06**	**73–15**		**62**	**1-5**
SJA	VIII	31 09 56 44.4–.72	25.44S	69.96W	76–4	3.8L,3.8W	**¶621071743**	
GUC	VIII	31 09 56 45.3–.80	25.49S	69.95W	75–8	3.8L,3.8W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.1km az=-1.0. Presumed earthquake.

ISC	**IX**	**01 18 35 45.8–.24**	**27.73S–.02**	**71.06W–.03**	**27–1**	**5.7b,5.2s**	**1106**	**0-176**
IDC	IX	01 18 35 41.9–.34	27.71S	70.94W	0	5.4b,5.3	**¶621013627**	
SJA	IX	01 18 35 41.5–.78	27.68S	71.34W	11–3	5.9L,5.5W		
VAO	IX	01 18 35 41.8–.27	27.71S	71.02W	10	6.0b,5.5W		
IPGP	IX	01 18 35 44.0	27.74S	71.21W	39	5.7W,5.5W		
NEIC	IX	01 18 35 44.4	27.74S	71.16W	17	5.7W,5.5W		
NEIC	IX	01 18 35 44.4	27.74S	71.16W	17	5.7W,5.5W		
MOS	IX	01 18 35 45.8–.97	27.65S	70.90W	28	5.9b,5.2s		
ISC-P	IX	01 18 35 45	27.73S	71.11W	47–0	6.1,5.2s		
GFZ	IX	01 18 35 45.8–.23	28S–1.0	71W–2.0	21–1	6.1b,5.8b		
NEIC	IX	01 18 35 45.9–1.3	27.73S–.03	71.11W–.06	28–1	5.8,5.7		
CATAC	IX	01 18 35 46.5–.90	28S–2.0	71W–5.0	22–6	6.7,6.0b		
NEIC	IX	01 18 35 46.1	27.73S	71.11W	28	6.7,6.0b		
GFZ	IX	01 18 35 46.6	27.76S	70.97W	21	5.6W,6.0b		
GUC	IX	01 18 35 47.0–.83	27.74S	71.12W	15–5	5.5L,6.0b		
NEIC	IX	01 18 35 49.7	27.63S	71.22W	36	5.6,6.0b		
GCMT	IX	01 18 35 50.7–.10	27.80S–.01	71.35W–.01	42–0	5.7W,6.0b		

ISC Event type se.
SJA Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
IPGP Moment Tensor Solution. NP1:ϕ_s357.00000°,δ30.00000°,λ103.00000°. NP2:ϕ_s162.00000°,δ61.00000°,λ83.00000°.
NEIC Event type se.
NEIC Event type se.
ISC-P Moment Tensor Solution. s30 Moment tensor: Scale 10^{18}Nm; M_{rr}0.66±.27 $M_{\theta\theta}$-0.33±.27; $M_{\phi\phi}$-0.33±.20; $M_{r\theta}$-0.12±.18; $M_{\theta\phi}$-0.14±.26; $M_{\phi r}$0.37±.27; NP1:ϕ_s150.40000°,δ47.70000°,λ111.60000°. NP2:ϕ_s299.90000°,δ46.50000°,λ68.00000°. $M_0$1.58000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.73 $M_{\theta\phi}$-0.44 $M_{\phi r}$-2.01 NP1:ϕ_s40.22000°,δ20.71000°,λ141.78000°. NP2:ϕ_s166.59000°,δ77.37000°,λ73.46000°. Principal axes: T 2.5671,Plg55.0000°,Azm56.0000°; N -0.2370,Plg16.0000°,Azm170.0000°; P -2.3302,Plg30.0000°,Azm270.0000° $M_0$2.46000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.89 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-3.82 $M_{r\theta}$0.75 $M_{\theta\phi}$-0.27 $M_{\phi r}$-1.33 NP1:ϕ_s14.68000°,δ36.83000°,λ107.73000°. NP2:ϕ_s172.91000°,δ55.18000°,λ77.15000°. Principal axes: T 4.2597,Plg76.0000°,Azm43.0000°; N -0.2145,Plg11.0000°,Azm180.0000°; P -4.0452,Plg9.0000°,Azm272.0000° $M_0$4.16000×10^{17}
CATAC manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.17 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-1.19 $M_{r\theta}$1.15 $M_{\theta\phi}$-0.13 $M_{\phi r}$-2.49 NP1:ϕ_s158.48729°,δ79.44947°,λ79.69238°. NP2:ϕ_s23.29351°,δ14.70899°,λ133.85194°. Principal axes: T 3.1018,Plg54.4301°,Azm55.9245°; N -0.2433,Plg10.1315°,Azm160.3946°; P -2.8585,Plg33.6736°,Azm257.2321° $M_0$2.98756×10^{17}
GUC Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 3±5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.01 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-2.29 $M_{r\theta}$0.98 $M_{\theta\phi}$0.25 $M_{\phi r}$-1.98 NP1:ϕ_s11.20000°,δ25.03000°,λ119.40000°. NP2:ϕ_s159.32000°,δ68.37000°,λ77.09000°. Principal axes: T 3.0307,Plg64.0000°,Azm48.0000°; N 0.1321,Plg12.0000°,Azm164.0000°; P -3.1628,Plg22.0000°,Azm259.0000° $M_0$3.10000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109011835A. Moment Tensor Solution. s142,c290; s142,c277;Duration: 1±7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.16±.04 $M_{\theta\theta}$0.42±.03; $M_{\phi\phi}$-3.58±.04; $M_{r\theta}$0.94±.04; $M_{\theta\phi}$-0.31±.03; $M_{\phi r}$-2.60±.05; Best double couple: NP1:ϕ_s21.00000°,δ29.00000°,λ119.00000°. NP2:ϕ_s169.00000°,δ65.00000°,λ75.00000°. Principal axes: T 4.3000,Plg67.0000°,Azm52.0000°; N 0.1680,Plg14.0000°,Azm175.0000°; P -4.4660,Plg19.0000°,Azm270.0000° $M_0$4.38300×10^{17}

ISC	**IX**	**01 19 16 23.4–1.2**	**19.53S–.02**	**70.67W–.05**	**16–9**		**60**	**1-3**
SJA	IX	01 19 16 24.0–.66	19.52S	70.64W	35–2	3.5W,3.3L	**¶624897045**	
GUC	IX	01 19 16 26.1–.90	19.51S	70.61W	43–3	3.4L,3.3L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.8km az=-1.0. Presumed earthquake.

ISC	**IX**	**05 10 41 39.2–1.2**	**20.17S–.03**	**70.38W–.06**	**32–8**		**48**	**0-3**
SJA	IX	05 10 41 37.6–.74	20.17S	70.42W	33–2	3.5W,3.4L	**¶624897096**	
GUC	IX	05 10 41 38.6–.79	20.16S	70.52W	33–5	3.2L,3.4L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=4.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=6.5km az=-1.0. Presumed earthquake.

ISC	**IX**	**11 13 33 18.2–1.3**	**19.23S–.03**	**70.05W–.05**	**54–10**		**48**	**0-4**
SJA	IX	11 13 33 16.0–.56	19.23S	70.05W	66–2	3.7L,3.7W	**¶624897183**	
GUC	IX	11 13 33 18.1–.91	19.25S	70.05W	55–5	3.7L,3.7W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0. Presumed earthquake.

ISC	**IX**	**05 12 25 41.7–.90**	**20.12S–.02**	**70.52W–.04**	**26–6**	**4.4b,3.8s**	**212**	**0-163**
GFZ	IX	05 12 25 40.6–.24	20S–2.0	71W–3.0	10	4.6,4.4b	**¶621035616**	
NEIC	IX	05 12 25 41.4	20.18S	70.49W	20	4.6,4.4b		
NEIC	IX	05 12 25 41.8–2.4	20.17S–.02	70.47W–.04	24–4	4.4b,4.1		
SJA	IX	05 12 25 41.2–.68	20.13S	70.48W	34–1	4.4W,4.2L		
GUC	IX	05 12 25 43.0–.67	20.14S	70.47W	35–2	4.1L,4.2L		
IDC	IX	05 12 25 45.3–2.0	20.07S	70.42W	53–17	4.0,3.9L		
VAO	IX	05 12 26 05.1–1.5	19.47S	68.88W	139–9	4.3b,3.9L		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=2.7km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.53 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-1.50 $M_{r\theta}$-0.40 $M_{\theta\phi}$-0.47 $M_{\phi r}$0.51 NP1:ϕ_s359.16000°,δ54.40000°,λ68.65000°. NP2:ϕ_s213.04000°,δ40.77000°,λ116.95000°. Principal axes: T 1.7448,Plg71.0000°,Azm216.0000°; N -0.0609,Plg17.0000°,Azm12.0000°; P -1.6839,Plg7.0000°,Azm104.0000° $M_0$1.72000×10^{15}
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.8km s-min=12.0km az=88.0.
VAO Event type se. Error ellipse: s-maj=10.9km s-min=9.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**07 11 21 58.6–1.9**	**27.07S–.04**	**71.59W–.08**	**9–13**		**30**	**1-5**
SJA	IX	07 11 21 59.4–1.3	27.06S	71.56W	21	3.3L,3.2W	**¶624897138**	
GUC	IX	07 11 22 04.1–.34	27.05S	71.35W	43–2	3.5L,3.2W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.9km s-min=7.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0. Presumed earthquake.

ISC	**IX**	**08 18 14 24.0–1.5**	**20.14S–.02**	**70.60W–.06**	**28–13**		**65**	**0-3**
SJA	IX	08 18 14 23.3–.78	20.14S	70.59W	36–2	3.5W,3.3L	**¶624897155**	
GUC	IX	08 18 14 25.4–.87	20.13S	70.54W	45–2	3.2L,3.3L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0. Presumed earthquake.

ISC	**IX**	**24 09 05 04.2–1.3**	**19.27S–.03**	**70.12W–.05**	**17–12**		**50**	**0-4**
SJA	IX	24 09 05 03.9–1.1	19.26S	70.13W	56–5	3.9L,3.8W	**¶624897508**	
GUC	IX	24 09 05 05.6–.71	19.26S	70.10W	55–2	3.9L,3.8W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.2km az=-1.0. Presumed earthquake.

ISC	**IX**	**16 01 10 17.6–1.2**	**26.26S–.02**	**70.92W–.05**	**14–7**	**4.6b**	**172**	**0-165**
IDC	IX	16 01 10 16.0–.64	26.22S	70.88W	0	4.1b,4.0	**¶621079020**	
SJA	IX	16 01 10 17.3–.67	26.28S	70.87W	16–3	4.2L,4.1W		
VAO	IX	16 01 10 18.4–.64	26.19S	70.94W	17	4.4b,4.1W		
NEIC	IX	16 01 10 19.4–2.0	26.28S–.03	70.90W–.08	21–4	4.6b,4.3L		
GUC	IX	16 01 10 19.7–.49	26.33S	70.96W	25–3	4.4L,4.3L		

ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=12.4km az=84.0.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=4.1km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=4.9km s-min=6.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=4.2km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=4.4km az=-1.0. Presumed earthquake.

ISC	**IX**	**16 23 20 37.5–1.2**	**22.06S–.02**	**70.37W–.04**	**25–10**		**77**	**1-147**
SJA	IX	16 23 20 37.3–.80	22.07S	70.36W	30–2	4.0L,3.9W	**¶621112914**	
GUC	IX	16 23 20 39.3–.72	22.07S	70.37W	14–3	3.8L,3.9W		
IDC	IX	16 23 20 44.6–3.2	22.17S	69.75W	72–25	3.9,3.7b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=51.3km s-min=18.3km az=106.0.

ISC	**IX**	**26 22 45 16.1–1.1**	**21.50S–.02**	**70.55W–.04**	**30–9**		**96**	**1-63**
SJA	IX	26 22 45 15.3–.59	21.52S	70.58W	28–1	3.9W,3.7L	**¶621110560**	
NEIC	IX	26 22 45 18.0–1.5	21.53S–.01	70.51W–.06	35–2	4.2b,3.9L		
GUC	IX	26 22 45 18.6–.79	21.52S	70.48W	27–2	3.9L,3.9L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=3.1km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0. Presumed earthquake.

ISC	**IX**	**24 10 44 01.9–2.0**	**27.48S–.04**	**71.36W–.08**	**3–14**		**33**	**1-4**
SJA	IX	24 10 44 02.5–1.6	27.53S	71.26W	10–10	3.5L,3.3W	**¶624897512**	

GUC IX 24 10 44 05.1–.68 27.52S 71.22W 26–8 3.7L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.2km s-min=7.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.2km az=-1.0. Presumed earthquake.
ISC X 01 22 59 05.1–.72 24.27S–.03 70.28W–.05 73–6 3.9b 102 0-167
SJA X 01 22 59 03.3–1.2 24.28S 70.34W 65 4.3L,4.1W **¶621116391**
NEIC X 01 22 59 04.9–.70 24.30S–.04 70.22W–.08 80–7 4.3,4.1b
IDC X 01 22 59 05.0–2.6 24.26S 69.82W 57–23 3.9L,3.8
GUC X 01 22 59 05.2–.78 24.33S 70.08W 72–5 4.4L,3.8
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=8.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.3km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.1km s-min=15.3km az=92.0.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.4km az=-1.0. Presumed earthquake.
ISC IX 30 06 07 35.3–1.9 22.70S–.03 70.83W–.07 1–12 30 1-5
SJA IX 30 06 07 33.4–.68 22.71S 70.95W 12–7 3.2W,3.1L **¶624897606**
GUC IX 30 06 07 36.3–.73 22.73S 70.85W 4–3 2.9L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.2km s-min=5.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0. Presumed earthquake.
ISC IX 30 20 19 53.8–.91 19.34S–.02 70.30W–.04 31–8 4.0b 117 0-126
IDC IX 30 20 19 50.1–1.5 19.47S 70.46W 0 4.0L,4.0 **¶621147783**
SJA IX 30 20 19 53.6–.69 19.32S 70.25W 36–2 4.5L,4.3W
NEIC IX 30 20 19 54.9–1.4 19.33S–.02 70.28W–.03 34–8 4.5L,4.3b
GUC IX 30 20 19 55.8–.85 19.33S 70.24W 23–5 4.5L,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=21.7km az=178.0.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.9km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0. Presumed earthquake.
ISC X 03 06 07 27.3–1.6 20.49S–.03 70.85W–.07 11–9 62 1-7
NEIC X 03 06 07 28.9–.65 20.51S–.06 70.78W–.04 17–10 3.7L,3.5L **¶621117496**
SJA X 03 06 07 28.2–.82 20.48S 70.76W 23–2 3.7W,3.6L
GUC X 03 06 07 30.8–.70 20.46S 70.67W 34–2 3.5L,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.4km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=4.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0. Presumed earthquake.
GUC X 04 06 32 13.6–.87 20.47S 70.70W 26–6 3.7L ¶625233403
GUC Event type se. Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0. Presumed earthquake.
ISC X 04 12 27 46.0–2.1 20.51S–.03 70.83W–.09 9–10 29 1-3
SJA X 04 12 27 46.4–.60 20.54S 70.81W 28–2 4.0L,4.0W **¶625233408**
GUC X 04 12 27 48.4–.83 20.49S 70.71W 10 3.7L,4.0W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=4.9km az=-1.0. Presumed earthquake.
ISC X 11 15 13 32.0–.49 27.29S–.03 70.60W–.04 59–4 4.3b 118 0-166
SJA X 11 15 13 31.3–.65 27.29S 70.53W 62–3 3.9W,3.8L **¶621145550**
NEIC X 11 15 13 32.4–1.0 27.32S–.04 70.59W–.08 62–4 4.3b,4.2
GUC X 11 15 13 32.7–.69 27.29S 70.56W 60–5 3.8L,4.2
IDC X 11 15 13 32.2–.66 27.31S 70.50W 61–4 3.9,3.6b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.0km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=34.0km s-min=12.0km az=75.0.
ISC X 05 09 23 15.0–.83 20.45S–.02 70.01W–.05 91–5 80 0-26
SJA X 05 09 23 14.8–.84 20.45S 69.97W 86–3 4.0L,3.9W **¶621122779**
NEIC X 05 09 23 15.7–.69 20.43S–.03 69.99W–.06 88–3 4.2b,3.9L
GUC X 05 09 23 16.3–.77 20.43S 69.94W 87–3 3.9L,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.5km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0. Presumed earthquake.
ISC X 07 03 23 08.5–1.4 27.47S–.02 71.11W–.04 5–9 4.5b 87 1-152
IDC X 07 03 23 06.5–7.1 27.82S 71.07W 0 4.1b,4.0 **¶621217185**
SJA X 07 03 23 08.5–.58 27.29S 71.04W 10–3 3.5L,3.3W
GUC X 07 03 23 13.6–.81 27.51S 70.95W 26–4 3.4L,3.3W
NEIC X 07 03 23 14.1–2.0 27.52S–.03 70.90W–.05 35–1 4.5b,3.3W
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 06 07 17.3–1.8 20.51S–.03 70.73W–.09 17–10 36 1-3
SJA X 04 06 07 16.8–1.4 20.51S 70.70W 32–4 3.6W,3.3L **¶625233402**
GUC X 04 06 07 18.6–.80 20.48S 70.74W 16–10 3.3L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=6.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=4.6km az=-1.0. Presumed earthquake.
SJA X 10 14 42 48.0–1.1 24.98S 70.69W 55–13 3.0L,2.9W
GUC X 10 14 42 48.0–.52 24.97S 70.92W 42–4 2.9L,2.9W **¶625233552**
SJA Event type se. Error ellipse: s-maj=3.2km s-min=26.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=5.9km az=-1.0. Presumed earthquake.
ISC X 14 06 27 41.1–.90 20.11S–.02 70.14W–.04 49–6 76 0-26
SJA X 14 06 27 40.2–.99 20.10S 70.11W 51–4 3.7W,3.5L **¶621148719**
NEIC X 14 06 27 41.6–.72 20.12S–.03 70.11W–.05 47–8 3.9b,3.6L
GUC X 14 06 27 41.5–.64 20.09S 70.12W 55–2 3.6L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.0km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=2.0km az=-1.0. Presumed earthquake.
ISC X 15 10 57 33.4–1.3 27.74S–.02 71.29W–.04 5–8 4.5b,3.4s 137 1-152
IDC X 15 10 57 32.9–1.0 27.57S 71.31W 0 4.2b,4.1L **¶621202577**
GFZ X 15 10 57 34.9–.32 28S–2.0 71W–6.0 10 4.7L,4.3b
SJA X 15 10 57 36.7–.89 27.66S 71.37W 51 4.1L,3.9W
NEIC X 15 10 57 37 27.80S 71.13W 22 4.1L,3.9W
NEIC X 15 10 57 37.9–1.1 27.80S–.03 71.06W–.06 28–5 4.4b,4.0L
GUC X 15 10 57 37.4–.64 27.80S 71.12W 30–1 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=15.7km az=81.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=6.5km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.0km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.92 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.76 $M_{r\theta}$0.21 $M_{\theta\phi}$-0.27 $M_{\phi r}$-0.49 NP1:ϕ_s182.58000°,δ59.16000°,λ71.22000°. NP2:ϕ_s36.15000°,δ35.62000° ,λ118.34000°. Principal axes: T 1.1147,Plg70.0000°,Azm52.0000°; N -0.1648,Plg16.0000° ,Azm192.0000°; P -0.9499,Plg12.0000°,Azm286.0000° $M_0$1.04000×10^{15}
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.8km az=-1.0. Presumed earthquake.
ISC X 14 17 41 33.4–1.7 27.55S–.02 71.14W–.04 14–13 118 1-9
SJA X 14 17 41 33.6–.66 27.51S 71.18W 29–4 4.1W,4.0L **¶621186234**
GFZ X 14 17 41 34.4–.27 28S–2.0 71W–5.0 21 4.7L,4.2b
NEIC X 14 17 41 36.9–2.2 27.57S–.02 71.00W–.07 35–2 4.3L,4.1L
GUC X 14 17 41 38.2–.54 27.64S 70.91W 46–2 4.1L,4.1L

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=5.0km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=3.1km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.2km az=-1.0. Presumed earthquake.
ISC X 18 02 51 29.5–1.1 20.16S–.02 70.55W–.05 28–8 4.3b,3.2s 105 0-145
NEIC X 18 02 51 29.8–1.4 20.19S–.02 70.57W–.04 25–5 4.3b,4.1L **¶622505890**
SJA X 18 02 51 29.1–.73 20.18S 70.51W 34–1 4.1W,3.9L
NEIC X 18 02 51 30.7 20.19S 70.57W 37 4.1W,3.9L
GUC X 18 02 51 31.1–.70 20.16S 70.54W 33–3 4.1L,3.9L
IDC X 18 02 51 38.0–2.6 20.26S 69.96W 84–24 3.8,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=1.1km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.82 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-0.87 $M_{r\theta}$0.12 $M_{\theta\phi}$0.15 $M_{\phi r}$-0.86 NP1:ϕ_s350.09000°,δ22.34000°,λ88.32000°. NP2:ϕ_s171.90000°,δ67.67000° ,λ90.69000°. Principal axes: T 1.1860,Plg67.0000°,Azm83.0000°; N 0.0739,Plg1.0000° ,Azm352.0000°; P -1.2599,Plg23.0000°,Azm261.0000° $M_0$1.22000×10^{15}
SJA Event type se. Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0. Presumed earthquake.
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=38.5km s-min=15.0km az=104.0.
ISC X 15 12 19 49.7–1.1 22.41S–.02 70.70W–.05 44–11 3.9b 105 1-143
SJA X 15 12 19 45.7–2.2 22.33S 70.78W 15 4.0W,3.8L **¶621203262**
GFZ X 15 12 19 50.5–.34 22S–2.0 71W–5.0 46–5 5.6b,5.1
GUC X 15 12 19 50.9–.57 22.36S 70.61W 42–3 3.8L,5.1
IDC X 15 12 19 54.5–6.1 22.35S 70.49W 84–54 4.4L,3.7
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.6km s-min=10.1km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=11.0km s-min=4.6km az=94.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=50.2km s-min=28.1km az=53.0.
ISC X 24 07 57 44.5–1.1 26.24S–.03 70.77W–.07 32–7 35 0-4
SJA X 24 07 57 42.1–.71 26.19S 70.88W 36–1 3.5W,3.3L **¶625230186**
GUC X 24 07 57 45.0–.62 26.29S 70.72W 32–2 3.2L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=6.2km az=-1.0. Presumed earthquake.
ISC X 22 09 30 40.6–.99 20.27S–.03 70.29W–.06 33–2 3.8b 81 0-70
SJA X 22 09 30 39.8–.83 20.27S 70.23W 40–1 3.4W,3.1L **¶621236978**
GUC X 22 09 30 41.4–.81 20.27S 70.23W 40–1 3.1L,3.1L
NEIC X 22 09 30 41.0–1.5 20.29S–.02 70.20W–.04 41–10 3.8b,3.1L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 19 02 55 49.3–1.3 22.08S–.02 70.26W–.06 68–10 53 0-4
SJA X 19 02 55 48.1–.81 22.07S 70.27W 70–5 3.4W,3.3L **¶625233770**
GUC X 19 02 55 50.2–.87 22.09S 70.15W 64–4 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0. Presumed earthquake.
ISC X 19 18 37 56.7–1.0 27.69S–.02 71.19W–.04 30–7 4.5b,3.5s 202 1-152
CATAC X 19 18 37 13.4–1.5 28S–6.0 66W–15 10 6.6b,6.4 **¶621217286**
IDC X 19 18 37 53.1–.69 27.65S 71.08W 0 4.1b,4.1
SJA X 19 18 37 55.8–.80 27.68S 71.15W 31–5 4.7L,4.4W
NEIC X 19 18 37 55.7 27.69S 71.25W 17 4.7L,4.4W
NEIC X 19 18 37 56.2–1.9 27.68S–.03 71.20W–.04 20–5 4.5b,4.2
GUC X 19 18 37 57.0–.69 27.75S 71.09W 36–3 4.1L,4.2
GFZ X 19 18 37 58.3–.22 28S–2.0 71W–4.0 40 5.4b,5.0L
ISC Event type se.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SJA Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.81 $M_{\theta\theta}$0.37 $M_{\phi\phi}$-2.18 $M_{r\theta}$0.72 $M_{\theta\phi}$-0.29 $M_{\phi r}$-0.76 NP1:ϕ_s164.84000°,δ58.54000°,λ63.53000°. NP2:ϕ_s28.49000°,δ40.22000° ,λ126.07000°. Principal axes: T 2.2601,Plg65.0000°,Azm26.0000°; N 0.0658,Plg22.0000° ,Azm179.0000°; P -2.3259,Plg10.0000°,Azm273.0000° $M_0$2.29000×10^{15}
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 10 13 53 49.8–.57 25.91S–.02 70.86W–.06 22–3 4.1b 121 0-150
IDC XI 10 13 53 47.7–1.6 25.85S 70.58W 0 4.3b,4.1 **¶621391504**
GFZ XI 10 13 53 49.2–.40 26S–2.0 71W–7.0 10 4.3L,4.3L
NEIC XI 10 13 53 49.9–1.1 25.911S–.01 70.87W–.07 21–7 4.0b,3.9L
SJA XI 10 13 53 49.6–.67 25.96S 70.80W 33–2 4.0W,3.8L
GUC XI 10 13 53 50.0–.77 26.00S 70.87W 37–3 3.9L,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=90.4km s-min=19.4km az=99.0.
GFZ Error ellipse: s-maj=14.0km s-min=4.7km az=88.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=0.6km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.6km az=-1.0. Presumed earthquake.
ISC X 30 02 41 00.9–1.1 21.31S–.02 70.21W–.04 30–12 64 0-4
SJA X 30 02 41 00.5–.83 21.32S 70.17W 28–2 3.5W,3.3L **¶625230308**
GUC X 30 02 41 02.2–.81 21.32S 70.22W 37–2 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=2.7km az=-1.0. Presumed earthquake.
ISC X 31 12 49 13.6–1.2 27.56S–.02 71.03W–.04 29–12 62 1-5
SJA X 31 12 49 12.4–.79 27.58S 71.09W 44 3.6W,3.4L **¶625230350**
GUC X 31 12 49 15.1–.53 27.66S 70.88W 47–1 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0. Presumed earthquake.
ISC XI 06 23 35 25.8–4.1 23.92S–.03 70.75W–.09 37–4 43 0-5
SJA XI 06 23 35 23.9–1.5 23.95S 70.69W 40–77 3.6W,3.5L **¶625536941**
GUC XI 06 23 35 26.2–.64 23.95S 70.58W 41–3 3.5L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.2km s-min=13.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0. Presumed earthquake.
ISC XI 12 17 33 15.7–1.2 20.97S–.03 70.31W–.06 41–8 59 0-10
NEIC XI 12 17 33 15.7–1.8 20.97S–.04 70.30W–.05 42–27 3.9L,3.7L **¶621402618**
GUC XI 12 17 33 16.8–.72 20.96S 70.21W 40–1 3.7L,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.7km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0. Presumed earthquake.
ISC XI 27 22 44 48.4–.28 27.83S–.03 71.14W–.04 42–2 5.1b,4.0s 494 0-167
SJA XI 27 22 44 44.7–.82 27.76S 71.44W 39 4.9L,4.9W **¶621480545**
VAO XI 27 22 44 44.7–.36 27.88S 71.03W 10 5.1b,4.9W
NEIC XI 27 22 44 47.5 27.81S 71.19W 48 5.1b,4.9W
GFZ XI 27 22 44 47.6 27.83S 71.13W 50 4.8W,4.9W
GUC XI 27 22 44 48.6–.95 27.86S 71.04W 39–2 4.8L,4.9W
GFZ XI 27 22 44 48.6–.17 28S–1.0 71W–3.0 46–1 5.8,5.7b
IDC XI 27 22 44 49.0–.49 27.79S 70.85W 41–4 4.7,4.5b
NEIC XI 27 22 44 48.1–1.6 27.83S–.03 71.10W–.08 33–3 5.2b,4.8
GCMT XI 27 22 44 51.0–.40 27.93S–.03 71.12W–.03 40–0 5.0W,4.8

ISC Event type se.
SJA Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.79 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-1.90 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.06 $M_{\phi r}$0.91 NP1: ϕ_s177.68905°,δ31.95614°,λ88.95004°. NP2:ϕ_s358.92649°,δ58.04986°,λ90.65491°. Principal axes: T 2.0047,Plg76.9402°,Azm270.9762°; N 0.1073,Plg0.5557°,Azm178.5799° ; P -2.1120,Plg13.0476°,Azm88.4511° $M_0$2.06041×10^{16}
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.79 $M_{\theta\theta}$0.25 $M_{\phi\phi}$-2.04 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.06 $M_{\phi r}$1.05 NP1:ϕ_s358.98000°,δ59.37000°,λ87.22000°. NP2:ϕ_s184.43000°,δ30.74000° ,λ94.69000°. Principal axes: T 2.0662,Plg75.0000°,Azm261.0000°; N 0.2456,Plg2.0000° ,Azm0.0000°; P -2.3118,Plg14.0000°,Azm91.0000° $M_0$2.20000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111272244A. Moment Tensor Solution. s35,c37; s57,c74; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.72±.21 $M_{\theta\theta}$-0.43±.12; $M_{\phi\phi}$-3.29±.13; $M_{r\theta}$-0.20±.09; $M_{\theta\phi}$0.56±.07; $M_{\phi r}$0.96±.11; Best double couple: NP1:ϕ_s170.00000°,δ37.00000° ,λ90.00000°. NP2:ϕ_s349.00000°,δ53.00000°,λ90.00000°. Principal axes: T 3.8510,Plg82.0000°,Azm258.0000°; N -0.3260,Plg0.0000°,Azm349.0000° ; P -3.5270,Plg8.0000°,Azm79.0000° $M_0$3.68900×10^{16}

ISC	**XI**	**13 00 16 58.8–1.3**	**22.15S–.02**	**70.37W–.07**	**25–11**		**42**	**1-147**	
IDC	XI	13 00 16 52.7–3.9	22.48S	70.20W	0	4.0b,3.8			**¶621468570**
SJA	XI	13 00 16 57.4–1.6	22.15S	70.38W	29–5	3.7L,3.6W			
GUC	XI	13 00 16 58.4–.84	22.14S	70.44W	30–3	3.6L,3.6W			

ISC Event type se.
IDC Error ellipse: s-maj=128.0km s-min=39.2km az=91.0.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=9.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=5.0km az=-1.0. Presumed earthquake.

ISC	**XI**	**21 11 50 59.2–.43**	**23.89S–.03**	**70.59W–.05**	**37–1**	**4.9b,3.9s**	**275**	**0-163**	
NEIC	XI	21 11 50 57.9–1.4	23.91S–.05	70.75W–.08	30–5	4.9b,4.7			**¶621427890**
NEIC	XI	21 11 50 59.2	23.91S	70.71W	45	4.9b,4.7			
GFZ	XI	21 11 50 59.5–.15	24S–1.0	71W–3.0	42–2	5.2L,5.2b			
GUC	XI	21 11 50 59.1–1.0	23.95S	70.43W	32–2	4.8L,5.2b			
IDC	XI	21 11 51 00.3–2.4	23.89S	70.19W	35–19	4.4,4.2L			
VAO	XI	21 11 51 00.4–.39	23.76S	70.46W	43	5.0b,4.2L			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.33 $M_{\theta\theta}$0.21 $M_{\phi\phi}$-1.54 $M_{r\theta}$0.16 $M_{\theta\phi}$-0.14 $M_{\phi r}$-0.55 NP1:ϕ_s14.26000°,δ35.55000°,λ105.42000°. NP2:ϕ_s175.53000°,δ55.91000° ,λ79.24000°. Principal axes: T 1.4587,Plg76.0000°,Azm52.0000°; N 0.1931,Plg9.0000° ,Azm182.0000°; P -1.6518,Plg10.0000°,Azm273.0000° $M_0$1.56000×10^{16}
NEIC Event type se.
GFZ Error ellipse: s-maj=5.9km s-min=2.8km az=93.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=18.8km s-min=10.3km az=92.0.
VAO Event type se. Error ellipse: s-maj=3.4km s-min=4.3km az=-1.0. Presumed earthquake.

ISC	**XI**	**20 13 31 46.8–1.3**	**22.80S–.02**	**70.76W–.05**	**26–13**		**50**	**1-4**	
SJA	XI	20 13 31 44.3–.65	22.87S	70.81W	20–3	3.6W,3.5L			**¶625537280**
GUC	XI	20 13 31 48.2–.62	22.79S	70.70W	30–10	3.3L,3.5L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0. Presumed earthquake.

ISC	**XII**	**07 11 46 32.1–.85**	**18.58S–.03**	**70.97W–.05**	**50–8**	**4.5b,3.8s**	**187**	**1-170**	
SJA	XII	07 11 46 25.2–.73	18.65S	71.30W	16–3	4.3W,4.2L			**¶621616412**
GUC	XII	07 11 46 30.1–.88	18.58S	71.11W	31–4	4.2L,4.2L			
NEIC	XII	07 11 46 31.3–1.4	18.67S–.05	70.91W–.06	35–1	4.4b,4.4			
GFZ	XII	07 11 46 31.2–.87	19S–3.0	71W–5.0	19–6	4.5L,4.5			
NEIC	XII	07 11 46 31.2	18.66S	70.91W	35	4.5L,4.5			
IDC	XII	07 11 46 33.8–2.1	18.59S	70.95W	66–18	4.1,3.7b			
VAO	XII	07 11 46 35.2–.63	18.48S	70.90W	89	4.4b,3.7b			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.2km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=4.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.7km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.84 $M_{\theta\theta}$0.51 $M_{\phi\phi}$1.33 $M_{r\theta}$-0.38 $M_{\theta\phi}$2.23 $M_{\phi r}$-3.14 NP1:ϕ_s253.33000°,δ30.83000°,λ-31.80000°. NP2:ϕ_s11.37000°,δ74.33000° ,λ-116.89000°. Principal axes: T 4.4178,Plg25.0000°,Azm122.0000°; N -0.4581,Plg26.0000° ,Azm19.0000°; P -3.9597,Plg53.0000°,Azm249.0000° $M_0$4.21000×10^{15}
GFZ Error ellipse: s-maj=12.0km s-min=7.1km az=104.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=14.5km az=42.0.
VAO Event type se. Error ellipse: s-maj=5.4km s-min=6.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**03 10 29 32.0–.91**	**19.68S–.02**	**70.01W–.03**	**23–7**		**56**	**0-152**	
SJA	XII	03 10 29 30.0–.91	19.69S	69.98W	30–2	3.3W,3.2L			**¶621630589**
GUC	XII	03 10 29 31.9–.67	19.67S	69.98W	27–2	3.1L,3.2L			
IDC	XII	03 10 29 39.4–8.1	19.10S	70.35W	312–53	3.6,3.5b			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.7km s-min=1.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=133.3km s-min=72.7km az=180.0.

ISC	**XII**	**01 19 01 24.0–1.5**	**19.24S–.04**	**70.42W–.07**	**81–11**		**45**	**0-4**	
SJA	XII	01 19 01 23.1–.69	19.24S	70.38W	80–2	3.5W,3.4L			**¶625752544**
GUC	XII	01 19 01 25.6–.73	19.21S	70.31W	74–5	3.5L,3.4L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=4.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**03 02 49 48.1–1.3**	**21.88S–.02**	**70.35W–.05**	**10–11**		**55**	**1-4**	
SJA	XII	03 02 49 48.0–1.6	21.86S	70.41W	14–5	3.6L,3.5W			**¶625752586**
GUC	XII	03 02 49 52.2–.85	21.90S	70.26W	47–7	3.8L,3.5W			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=7.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.7km az=-1.0. Presumed earthquake.

ISC	**XII**	**09 14 41 10.8–1.7**	**23.26S–.03**	**70.90W–.06**	**4–11**		**45**	**0-5**	
SJA	XII	09 14 41 11.5–.64	23.22S	70.90W	31–2	3.9W,3.6L			**¶625752736**
GUC	XII	09 14 41 13.5–.86	23.24S	70.87W	14–7	3.7L,3.6L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=3.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**15 16 07 11.3–1.1**	**22.55S–.02**	**70.42W–.05**	**32–12**		**43**	**0-4**	
SJA	XII	15 16 07 10.5–.77	22.56S	70.40W	28–4	3.7W,3.5L			**¶625752911**
GUC	XII	15 16 07 13.0–.90	22.57S	70.35W	34–4	3.5L,3.5L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0. Presumed earthquake.

ISC	**XII**	**19 05 29 56.5–1.3**	**27.18S–.03**	**71.43W–.04**	**14–8**	**4.2b**	**179**	**1-152**	
GFZ	XII	19 05 29 56.9–.34	27S–2.0	72W–6.0	10	5.1b,4.7L			**¶621633615**
NEIC	XII	19 05 29 56.8–1.3	27.20S–.05	71.57W–.04	10–1	4.3b,4.2L			
IDC	XII	19 05 29 57.9–1.3	27.06S	70.82W	0	4.2L,4.1			
GUC	XII	19 05 30 00.6–.86	27.30S	71.20W	58–6	4.2L,4.1			
SJA	XII	19 05 30 00.4–.67	27.31S	71.25W	44–9	4.1L,4.1W			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.6km az=344.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.1km s-min=14.4km az=88.0.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=5.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**19 21 35 38.2–.65**	**22.04S–.02**	**70.39W–.03**	**34–2**	**4.7b,3.8s**	**254**	**1-169**	
SJA	XII	19 21 35 32.7–.71	22.08S	70.74W	12–4	4.5L,4.2W			**¶621633805**
VAO	XII	19 21 35 37.3–.62	22.06S	70.40W	33	4.6b,4.2W			
GFZ	XII	19 21 35 38.6–.28	22S–2.0	70W–4.0	10	5.1,5.0b			
NEIC	XII	19 21 35 38.9	22.05S	70.35W	33	5.1,5.0b			
IDC	XII	19 21 35 38.5–2.6	22.09S	70.31W	33–19	4.4,4.3b			
NEIC	XII	19 21 35 39.1–.92	22.06S–.03	70.33W–.04	37–5	4.7,4.7b			
GUC	XII	19 21 35 39.2–.63	22.04S	70.33W	54–7	4.5L,4.7b			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=6.0km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=5.9km s-min=5.9km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=10.5km az=76.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.9km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.31 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-1.32 $M_{r\theta}$-0.00 $M_{\theta\phi}$-0.11 $M_{\phi r}$-0.26 NP1:ϕ_s5.26000°,δ39.37000°,λ91.18000°. NP2:ϕ_s183.74000°,δ50.64000° ,λ89.03000°. Principal axes: T 1.3396,Plg84.0000°,Azm87.0000°; N 0.0195,Plg1.0000° ,Azm184.0000°; P -1.3591,Plg6.0000°,Azm274.0000° $M_0$1.35000×10^{16}
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**22 23 21 45.8–.72**	**25.49S–.03**	**70.43W–.05**	**55–7**	**4.7b**	**215**	**1-150**	
SJA	XII	22 23 21 43.9–1.1	25.49S	70.74W	59	4.7L,4.5W			**¶621648308**
IDC	XII	22 23 21 46.9–2.2	25.48S	70.17W	55–20	4.3,4.2L			
NEIC	XII	22 23 21 46.1	25.52S	70.39W	52	4.3,4.2L			
NEIC	XII	22 23 21 46.1–2.1	25.52S–.02	70.39W–.07	53–3	4.7b,4.6			
GUC	XII	22 23 21 46.1–.81	25.49S	70.39W	55–11	4.4L,4.6			
GFZ	XII	22 23 21 47.2–.24	25S–2.0	70W–6.0	74–6	5.1b,5.1L			
VAO	XII	22 23 21 47.5–1.1	25.49S	70.22W	67–6	4.6b,5.1L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=11.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.1km s-min=13.0km az=77.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=3.5km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.03 $M_{\theta\theta}$1.23 $M_{\phi\phi}$-2.26 $M_{r\theta}$1.55 $M_{\theta\phi}$0.19 $M_{\phi r}$5.68 NP1:ϕ_s140.07000°,δ12.20000°,λ34.42000°. NP2:ϕ_s16.26000°,δ83.14000° ,λ100.11000°. Principal axes: T 5.7122,Plg51.0000°,Azm298.0000°; N 0.8985,Plg10.0000° ,Azm195.0000°; P -6.6107,Plg37.0000°,Azm97.0000° $M_0$6.21000×10^{15}
GUC Event type se. Error ellipse: s-maj=1.7km s-min=6.1km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=5.4km s-min=8.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**27 12 58 52.2–1.3**	**21.22S–.03**	**70.16W–.06**	**73–8**		**57**	**0-5**	
SJA	XII	27 12 58 51.0–.86	21.20S	70.09W	77–4	3.5W,3.4L			**¶625753171**
GUC	XII	27 12 58 53.1–.84	21.19S	70.06W	73–3	3.4L,3.4L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**26 14 01 01.0–1.4**	**21.25S–.03**	**70.43W–.06**	**23–13**		**41**	**1-3**	
SJA	XII	26 14 00 59.1–.64	21.25S	70.47W	33–1	3.5W,3.4L			**¶625753150**
GUC	XII	26 14 01 01.2–.77	21.24S	70.39W	47–2	3.6L,3.4L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0. Presumed earthquake.

GUC	**XII**	**30 21 10 40.7–.90**	**20.30S**	**70.45W**	**31–4**	**2.7L**			
SJA	XII	30 21 10 31.7–.79	19.76S	69.80W	19–4	3.1W,3.0L			**¶636235753**

GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.1km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=4.0km s-min=5.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**26 17 09 40.0–1.2**	**21.78S–.02**	**70.18W–.05**	**16–9**		**49**	**1-3**	
SJA	XII	26 17 09 40.2–.77	21.79S	70.14W	33–4	3.7W,3.5L			**¶625753154**
GUC	XII	26 17 09 42.4–.77	21.78S	70.10W	55–5	3.7L,3.5L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=5.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.5km az=-1.0. Presumed earthquake.

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ISC	**VII**	**02 15 30 01.5–1.5**	**27.91S–.04**	**69.06W–.04**	**118–12**		**38**	**1-5**	
SJA	VII	02 15 30 00.1–.59	27.86S	69.01W	125–4	3.0W,2.8L			**¶626243418**

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0. Presumed earthquake.

IDC	**VII**	**02 21 26 58.9–405**	**20.72S**	**69.39W**	**0**				
									¶620927771

IDC Error ellipse: s-maj=190.5km s-min=97.3km az=17.0.

ISC	**VII**	**03 00 15 17.8–1.4**	**23.09S–.04**	**69.42W–.05**	**79–7**		**43**	**0-5**	
SJA	VII	03 00 15 15.9–1.9	23.11S	69.40W	85–8	3.5L,3.4W			**¶624631742**
GUC	VII	03 00 15 17.5–.72	23.08S	69.43W	77–3	3.5L,3.4W			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.1km s-min=9.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**03 07 58 45.3–.46**	**20.18S–.03**	**69.17W–.04**	**93–4**	**4.2b**	**205**	**0-159**	
SJA	VII	03 07 58 44.9–.56	20.17S	69.21W	98–2	4.5L,4.3W			**¶620733172**
GFZ	VII	03 07 58 45.7–.18	20S–2.0	69W–3.0	91	4.6,4.5b			
IDC	VII	03 07 58 46.5–.79	20.19S	68.97W	104–6	4.1,3.7b			
NEIC	VII	03 07 58 46.0–2.3	20.17S–.04	69.17W–.06	92–5	4.4b,4.3			
GUC	VII	03 07 58 47.8–.73	20.25S	69.23W	85–3	4.3L,4.3			
VAO	VII	03 07 58 51.6–1.4	19.99S	68.72W	138–9	4.2b,4.3			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=17.2km s-min=11.3km az=91.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.2km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.5km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=6.7km s-min=11.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**03 21 17 05.7–1.6**	**23.92S–.04**	**68.85W–.05**	**123–13**		**40**	**1-4**	
SJA	VII	03 21 17 05.5–.53	23.93S	68.80W	116–4	3.4W,3.2L			**¶624631768**
GUC	VII	03 21 17 06.4–.87	23.95S	68.81W	112–4	3.5L,3.2L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.5km s-min=3.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 05 51 47.7–.81**	**19.09S–.04**	**69.06W–.07**	**127–7**	**3.2b**	**30**	**1-151**	
GUC	VII	05 05 51 48.5–.89	19.06S	69.04W	125–4	3.8L			**¶620927926**
IDC	VII	05 05 51 49.8–3.7	18.99S	68.64W	145–28	3.6,3.2b			

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=44.3km s-min=19.3km az=42.0.

ISC	**VII**	**05 18 02 19.4–.82**	**25.25S–.03**	**69.40W–.06**	**103–9**		**52**	**1-149**	
IDC	VII	05 18 02 15.4–3.0	25.26S	69.39W	46–25	3.8b,3.8			**¶620927979**
SJA	VII	05 18 02 18.7–1.2	25.18S	69.45W	112	4.0L,3.8W			
GUC	VII	05 18 02 19.0–.77	25.19S	69.42W	102–6	3.8L,3.8W			

ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=16.7km az=101.0.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=8.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 21 28 07.4–1.7**	**22.53S–.04**	**69.28W–.07**	**98–11**		**37**	**0-4**	
GUC	VII	05 21 28 06.9–.61	22.54S	69.18W	89–3	3.5L			**¶624631899**
SJA	VII	05 21 28 06.2–.70	22.56S	69.27W	99–4	3.5W,3.1L			

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=6.9km az=-1.0. Presumed earthquake.

IDC	**VII**	**06 15 53 06.4–407**	**22.85S**	**68.78W**	**0**				
									¶620928045

IDC Error ellipse: s-maj=183.1km s-min=133.9km az=13.0.

ISC	**VII**	**06 17 38 18.2–1.6**	**19.42S–.04**	**69.55W–.07**	**106–9**		**35**	**0-4**	

GUC VII 06 17 38 17.9–.66 19.42S 69.43W 112–3 3.2L ¶624631923
SJA VII 06 17 38 18.0 19.41S 69.55W 92 3.2L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=3.4km az=-1.0. Presumed earthquake.
SJA Event type se. Presumed earthquake.
ISC VII 07 00 40 19.9–.73 22.65S–.04 68.85W–.04 112–6 4.0b 103 1-78
IDC VII 07 00 40 19.5–2.6 22.78S 68.23W 71–25 3.8,3.5b ¶620928071
SJA VII 07 00 40 19.5–.66 22.58S 68.94W 124–4 3.7L,3.7W
NEIC VII 07 00 40 20.4–1.3 22.60S–.05 68.81W–.02 109–6 4.1b,3.9L
GUC VII 07 00 40 21.4–.78 22.56S 68.81W 103–3 3.9L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=17.0km az=108.0.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=2.3km az=173.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0. Presumed earthquake.
ISC VII 08 03 02 31.8–.63 19.76S–.03 69.41W–.05 108–5 4.1b 113 0-70
SJA VII 08 03 02 31.3–.62 19.76S 69.43W 109–2 3.9L,3.7W ¶622449034
NEIC VII 08 03 02 32.0–.76 19.78S–.03 69.42W–.07 101–4 4.1b,3.9L
GUC VII 08 03 02 32.5–.73 19.74S 69.38W 105–2 3.9L,3.9L
VAO VII 08 03 02 33.5–2.1 19.73S 69.53W 148 4.1b,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=3.1km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=14.8km s-min=18.9km az=-1.0. Presumed earthquake.
ISC VII 09 01 42 11.9–1.5 20.44S–.03 69.02W–.07 118–9 55 0-4
SJA VII 09 01 42 10.3–.70 20.41S 68.93W 121–3 3.7L,3.6W ¶624631970
GUC VII 09 01 42 12.4–.54 20.42S 68.92W 111–3 3.6L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VII 11 10 14 52.4–1.7 22.21S–.04 68.66W–.05 116–14 50 1-3
SJA VII 11 10 14 51.5–.63 22.22S 68.67W 115–5 3.7L,3.7W ¶624632021
GUC VII 11 10 14 52.9–.87 22.19S 68.59W 108–4 3.8L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=2.9km az=-1.0. Presumed earthquake.
ISC VII 13 17 57 36.7–.76 19.96S–.03 69.14W–.06 95–6 54 0-152
GUC VII 13 17 57 37.7–.55 19.96S 69.14W 97–2 3.9L ¶620928548
SJA VII 13 17 57 37.3–.98 19.98S 69.22W 95–4 3.9L,3.8W
IDC VII 13 17 57 40.7–2.9 19.86S 68.72W 131–26 3.8,3.4b
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=32.5km s-min=21.5km az=65.0.
ISC VII 15 02 33 43.9–.82 23.05S–.04 68.39W–.05 132–8 65 0-147
SJA VII 15 02 33 43.3–.58 23.04S 68.40W 136–4 3.6L,3.6W ¶620928622
IDC VII 15 02 33 43.8–2.3 23.13S 67.76W 103–22 4.1,3.8b
GUC VII 15 02 33 44.4–.55 23.01S 68.39W 134–5 3.6L,3.8b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=50.8km s-min=17.4km az=110.0.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.9km az=-1.0. Presumed earthquake.
GUC VII 16 04 05 11.1–.79 18.43S 69.90W 98–3 3.5L
¶624632094
GUC Event type se. Error ellipse: s-maj=2.3km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VII 16 08 00 50.0–1.7 22.17S–.04 69.04W–.07 90–17 29 1-3
GUC VII 16 08 00 48.4–.91 22.18S 68.99W 104–5 3.4L ¶624604293
GFZ VII 16 08 00 49.5–.36 22S–3.0 69W–7.0 101–5 3.6
ISC Event type se.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 16 19 03 03.7–1.2 21.35S–.03 69.86W–.06 45–6 42 0-3
SJA VII 16 19 03 02.1–.80 21.36S 69.81W 49–3 3.5W,3.4L ¶624632101
GUC VII 16 19 03 03.5–.65 21.35S 69.83W 50–1 3.4L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0. Presumed earthquake.
ISC VII 18 21 32 29.8–.53 18.98S–.03 69.60W–.05 102–5 4.4b 128 1-162
IDC VII 18 21 32 28.2–2.3 19.08S 69.69W 82–20 3.9,3.5b ¶620833403
NEIC VII 18 21 32 30.8–1.5 19.00S–.04 69.67W–.05 108–4 4.5b,4.3L
GUC VII 18 21 32 31.4–.69 18.96S 69.60W 105–2 4.3L,4.3L
VAO VII 18 21 32 34.2–.97 18.90S 69.17W 121–7 4.4b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=15.7km az=76.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=62.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.5km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=7.2km s-min=6.6km az=-1.0. Presumed earthquake.
ISC VII 20 03 26 51.5–1.6 19.22S–.04 69.66W–.07 119–9 46 1-4
SJA VII 20 03 26 50.5–.57 19.21S 69.63W 120–2 3.7L,3.7W ¶624632162
GUC VII 20 03 26 51.8–.88 19.19S 69.61W 115–4 3.6L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VII 20 18 31 33.8–1.3 27.68S–.03 69.29W–.04 108–10 58 1-5
GUC VII 20 18 31 32.9–.76 27.71S 69.31W 98–5 3.4L ¶624632172
SJA VII 20 18 31 33.0–.70 27.67S 69.31W 109–5 3.5L,3.4W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=2.5km az=-1.0. Presumed earthquake.
ISC VII 21 02 02 38.8–.70 20.93S–.03 69.95W–.05 93–5 4.2b 130 0-31
GFZ VII 21 02 02 38.8–.26 21S–2.0 70W–5.0 93 4.3,4.3L ¶620838910
SJA VII 21 02 02 38.7–.82 20.92S 69.89W 90–3 4.0L,3.9W
VAO VII 21 02 02 38.4–.92 20.94S 69.91W 88 4.3b,3.9W
NEIC VII 21 02 02 39.7–1.1 20.93S–.02 69.90W–.05 88–4 4.2b,4.2L
GUC VII 21 02 02 40.8–.66 20.92S 69.86W 85–3 4.2L,4.2L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=5.7km s-min=7.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.5km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.5km az=-1.0. Presumed earthquake.
ISC VII 22 19 23 35.1–.74 23.42S–.03 68.49W–.04 117–6 88 1-147
SJA VII 22 19 23 34.3–.72 23.42S 68.49W 118–3 4.2L,3.9W ¶620967844
IDC VII 22 19 23 35.3–3.6 23.43S 68.32W 108–31 4.0,3.9b
NEIC VII 22 19 23 35.8–1.0 23.42S–.06 68.5W–.10 110–8 4.4b,4.0L
GUC VII 22 19 23 35.4–.86 23.39S 68.49W 108–4 4.0L,4.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=35.9km s-min=26.7km az=106.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.9km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VII 24 02 29 05.6–.82 22.61S–.03 68.43W–.04 125–6 77 0-26
SJA VII 24 02 29 05.2–.59 22.63S 68.39W 124–4 3.6W,3.4L ¶620845590
GUC VII 24 02 29 06.6–.74 22.58S 68.38W 118–5 3.6L,3.4L
NEIC VII 24 02 29 06.7–1.1 22.63S–.06 68.39W–.05 115–4 4.0b,3.4L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 25 21 11 31.7–1.6 22.43S–.04 68.70W–.05 103–13 41 1-4
SJA VII 25 21 11 29.8–1.4 22.44S 68.70W 119–12 3.6W,3.4L ¶624632252
GUC VII 25 21 11 30.5–.80 22.43S 68.67W 113–5 3.6L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.0km s-min=6.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=2.8km az=-1.0. Presumed earthquake.
ISC VII 27 20 24 28.7–1.5 20.35S–.03 69.33W–.06 88–9 50 0-3
SJA VII 27 20 24 27.1–.76 20.36S 69.28W 92–3 3.8L,3.6W ¶624632275
GUC VII 27 20 24 28.4–.71 20.36S 69.26W 91–3 3.7L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VII 27 12 26 55.3–1.5 19.55S–.04 69.52W–.07 115–8 54 0-4
SJA VII 27 12 26 54.2–.57 19.54S 69.47W 118–2 3.8L,3.6W ¶624632269
GUC VII 27 12 26 56.2–.70 19.58S 69.40W 112–3 3.4L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0. Presumed earthquake.
ISC VII 29 22 03 05.2–.70 20.49S–.03 69.18W–.05 101–6 109 0-77
SJA VII 29 22 03 03.7–.74 20.48S 69.14W 108–3 4.2L,4.0W ¶620882996
IDC VII 29 22 03 05.9–2.4 20.84S 68.53W 73–25 3.7,3.2b
GUC VII 29 22 03 05.4–.82 20.49S 69.14W 101–3 4.1L,3.2b
NEIC VII 29 22 03 05.2–1.6 20.49S–.04 69.20W–.06 101–4 4.2b,4.1L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 27 16 08 12.5–1.6 20.56S–.03 69.10W–.07 86–10 47 0-4
SJA VII 27 16 08 09.8–.77 20.55S 69.10W 101–4 3.7L,3.7W ¶624632274
GUC VII 27 16 08 11.9–.76 20.59S 69.12W 89–5 3.3L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VII 31 15 25 35.4–.56 20.38S–.03 69.13W–.05 109–5 4.3b 169 0-160
VAO VII 31 15 25 34.4–.64 20.38S 69.15W 110 4.4b ¶620925374
SJA VII 31 15 25 34.7–.59 20.38S 69.13W 110–2 4.2L,4.0W
NEIC VII 31 15 25 35.7–1.5 20.34S–.05 69.16W–.08 109–5 4.4b,4.0L
GFZ VII 31 15 25 35.8–.20 20S–2.0 69W–4.0 100–3 4.3,4.3b
GUC VII 31 15 25 36.3–.75 20.38S 69.09W 104–3 4.0L,4.3b
IDC VII 31 15 25 37.7–2.7 20.40S 68.79W 118–23 4.1,3.8b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=4.5km s-min=6.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=4.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.5km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.0km s-min=5.0km az=101.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=31.2km s-min=21.2km az=107.0.
ISC VIII 04 09 02 33.5–1.5 20.19S–.04 69.22W–.06 88–9 37 0-5
SJA VIII 04 09 02 31.4–.93 20.20S 69.19W 95–4 3.7W,3.6L ¶624776086
GUC VIII 04 09 02 32.6–.70 20.20S 69.18W 96–3 3.5L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=3.3km az=-1.0. Presumed earthquake.
ISC VIII 02 11 58 26.9–.62 21.06S–.03 69.79W–.04 64–5 4.0b 145 0-146
GFZ VIII 02 11 58 26.5–.23 21S–2.0 70W–6.0 54–5 4.9b,4.8 ¶620929569
SJA VIII 02 11 58 26.3–1.0 21.04S 69.78W 64–3 4.3L,4.2W
GUC VIII 02 11 58 27.7–.91 21.06S 69.73W 67–3 4.4L,4.2W
NEIC VIII 02 11 58 27.3–1.7 21.06S–.03 69.77W–.06 64–3 4.5,4.2b
NEIC VIII 02 11 58 27.3 21.06S 69.77W 66 4.5,4.2b
IDC VIII 02 11 58 30.1–2.4 20.98S 69.59W 92–22 4.0,3.5b
ISC Event type se.
GFZ Error ellipse: s-maj=12.6km s-min=3.8km az=92.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.5km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.25 $M_{\theta\theta}$0.69 $M_{\phi\phi}$-0.94 $M_{r\theta}$1.11 $M_{\theta\phi}$0.77 $M_{\phi r}$-0.91 NP1:ϕ_s24.85000°,δ36.15000°,λ171.67000°. NP2:ϕ_s121.60000°,δ85.10000°,λ54.14000°. Principal axes: T 1.6001,Plg39.0000°,Azm359.0000°; N 0.3953,Plg36.0000°,Azm125.0000°; P -1.9954,Plg31.0000°,Azm240.0000° $M_0$1.83000×10^{15}
NEIC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=14.6km az=97.0.
ISC VIII 03 00 43 42.5–1.6 25.06S–.03 69.10W–.07 157–16 42 1-4
SJA VIII 03 00 43 43.9–1.8 25.06S 68.94W 110 3.6W,3.4L ¶624776064
GUC VIII 03 00 43 45.6–.59 24.98S 69.13W 137–6 3.6L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=6.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.0km s-min=5.2km az=-1.0. Presumed earthquake.
ISC VIII 04 09 52 19.1–.92 24.04S–.04 69.58W–.07 101–10 25 1-148
GUC VIII 04 09 52 19.8–.94 24.05S 69.55W 86–4 3.8L ¶620997302
IDC VIII 04 09 52 39.8–2.6 22.60S 68.64W 207–25 3.8,3.3b
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=3.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=39.7km s-min=23.8km az=113.0.
ISC VIII 05 11 20 27.3–1.3 25.24S–.02 69.86W–.07 69–19 41 1-4
SJA VIII 05 11 20 23.5–.70 25.17S 69.81W 24–5 3.4L,3.4W ¶624776112
GUC VIII 05 11 20 25.9–.51 25.23S 69.86W 85–5 3.5L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=5.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VIII 04 06 16 51.5–.44 18.41S–.03 69.42W–.05 122–4 4.7b 268 0-169
RSNC VIII 04 06 16 16.5–4.7 22S–40 69W–11 44–17 5.8b,5.4 ¶620966430
SJA VIII 04 06 16 51.2–.92 18.44S 69.52W 128–4 4.5L,4.2W
VAO VIII 04 06 16 52.4–.42 18.29S 69.18W 128 4.7b,4.2W
NEIC VIII 04 06 16 52.1–1.8 18.42S–.05 69.45W–.07 126–5 4.7,4.7b
IDC VIII 04 06 16 52.9–.67 18.32S 69.21W 125–5 4.5,4.1b
GFZ VIII 04 06 16 52.6–.24 18S–3.0 69W–4.0 121–3 4.5b,4.4
GUC VIII 04 06 16 53.2–.73 18.45S 69.54W 118–3 4.7L,4.4
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=5.3km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.4km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.6km s-min=10.2km az=94.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0. Presumed earthquake.
ISC VIII 13 03 24 43.4–1.2 21.40S–.02 69.89W–.06 42–7 50 0-3
SJA VIII 13 03 24 41.5–.71 21.41S 69.82W 48–5 3.5L,3.5W ¶624776203
GUC VIII 13 03 24 43.0–.70 21.40S 69.88W 48–2 3.3L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=3.2km az=-1.0. Presumed earthquake.
ISC VIII 08 10 21 05.7–1.5 21.15S–.03 69.01W–.08 115–12 46 0-5
SJA VIII 08 10 21 04.6–.68 21.15S 68.98W 114–4 3.5W,3.4L ¶624776158
GUC VIII 08 10 21 05.4–.85 21.16S 68.91W 114–4 3.4L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.0km az=-1.0. Presumed earthquake.
ISC VIII 11 02 47 53.6–1.8 22.74S–.04 69.13W–.07 120–11 33 0-4
SJA VIII 11 02 47 54.3–.46 22.77S 69.37W 111 3.8L,3.7W ¶624776178
GUC VIII 11 02 47 55.4–.86 22.73S 69.12W 108–4 3.7L,3.7W

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=6.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.4km az=-1.0. Presumed earthquake.
ISC VIII 06 13 42 46.5–1.8 18.06S–.05 69.01W–.08 184–12 67 1-5
SJA VIII 06 13 42 46.5–.72 18.00S 69.08W 188–6 3.2L,3.1W **¶624776136**
SCB VIII 06 13 42 47.9–1.4 18.11S 68.96W 169–14 2.9L,3.1W
GUC VIII 06 13 42 49.6–.71 18.06S 69.01W 163–3 2.8L,3.1W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=8.4km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=10.7km s-min=5.7km az=1.0.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VIII 05 19 51 55.0–1.4 22.35S–.03 69.05W–.05 85–9 54 1-3
SJA VIII 05 19 51 52.2–.70 22.37S 69.00W 98–4 3.5W,3.4L **¶624776119**
GUC VIII 05 19 51 54.5–.75 22.32S 68.99W 85–3 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.0km az=-1.0. Presumed earthquake.
ISC VIII 13 07 12 06.0–1.3 22.39S–.03 68.79W–.04 136–8 76 1-5
SJA VIII 13 07 12 05.7–.92 22.38S 68.75W 131 3.8W,3.6L **¶624776207**
GUC VIII 13 07 12 06.8–.55 22.36S 68.70W 125–2 3.7L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Presumed earthquake.
ISC VIII 14 00 21 27.4–1.4 20.76S–.03 69.09W–.06 113–8 57 0-4
SJA VIII 14 00 21 26.2–.70 20.76S 68.98W 110–3 3.6L,3.6W **¶624776225**
GUC VIII 14 00 21 27.6–.59 20.77S 68.97W 106–3 3.5L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0. Presumed earthquake.
ISC VIII 14 11 05 46.4–1.3 20.58S–.02 69.60W–.05 67–8 66 0-3
SJA VIII 14 11 05 43.7–.74 20.58S 69.57W 80–2 3.7W,3.6L **¶624776237**
GUC VIII 14 11 05 46.0–.74 20.63S 69.61W 79–3 3.4L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.5km az=-1.0. Presumed earthquake.
ISC VIII 13 19 02 44.6–.76 19.86S–.03 69.94W–.04 63–6 93 0-59
SJA VIII 13 19 02 43.3–.71 19.88S 69.94W 73–2 4.1W,4.0L **¶620986502**
NEIC VIII 13 19 02 44.6–1.6 19.88S–.03 69.96W–.05 67–5 4.1b,4.0L
GUC VIII 13 19 02 45.6–.59 19.86S 69.90W 62–3 4.0L,4.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.6km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0. Presumed earthquake.
ISC VIII 16 07 00 10.3–.25 23.74S–.03 69.91W–.03 63–2 4.9b 559 1-176
VAO VIII 16 07 00 05.0–.39 23.72S 69.93W 10 4.9b **¶620987306**
NEIC VIII 16 07 00 09.4 23.76S 69.86W 52 4.9b
SJA VIII 16 07 00 10.4–.76 23.73S 69.95W 58–5 4.9L,4.8W
GUC VIII 16 07 00 10.8–.80 23.73S 69.88W 71–5 5.2L,4.8W
GFZ VIII 16 07 00 10.9 23.77S 69.92W 62 4.9W,4.8W
NEIC VIII 16 07 00 10.0–.92 23.76S–.03 69.86W–.06 60–4 5.1,5.0b
IDC VIII 16 07 00 11.2–.32 23.73S 69.68W 63–2 4.6,4.3b
GFZ VIII 16 07 00 11.0–.18 24S–2.0 70W–4.0 59–4 5.2,5.0b
GCMT VIII 16 07 00 12.8–.30 23.67S–.03 69.97W–.03 54–1 5.0W,5.0b
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.14 $M_{\theta\theta}$0.16 $M_{\phi\phi}$2.97 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.09 $M_{\phi r}$-0.11 NP1: ϕ_s178.52679°,δ43.93467°,λ-89.36930°. NP2:ϕ_s357.65100°,δ46.06867°,λ-90.60764°.
Principal axes: T 2.9794,Plg1.0670°,Azm88.0807°; N 0.1598,Plg0.4376°,Azm358.0726°
; P -3.1392,Plg88.8467°,Azm245.7767° $M_0$3.06245×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.19 $M_{\theta\theta}$0.24 $M_{\phi\phi}$2.95 $M_{r\theta}$-0.23 $M_{\theta\phi}$0.50 $M_{\phi r}$-0.76 NP1:ϕ_s11.81000°,δ52.10000°,λ-88.03000°. NP2:ϕ_s188.60000°,δ37.94000°
,λ-92.53000°. Principal axes: T 3.1383,Plg7.0000°,Azm100.0000°; N 0.1487,Plg2.0000°
,Azm191.0000°; P -3.2870,Plg83.0000°,Azm293.0000° $M_0$3.22000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108160700A. Moment Tensor Solution. s42,c47; s74,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.71±.22 $M_{\theta\theta}$1.26±.15; $M_{\phi\phi}$3.44±.19; $M_{r\theta}$-0.40±.10; $M_{\theta\phi}$0.96±.17; $M_{\phi r}$-1.43±.15; Best double couple: NP1:ϕ_s202.00000°,δ35.00000°
,λ-88.00000°. NP2:ϕ_s19.00000°,δ55.00000°,λ-92.00000°. Principal axes:
T 4.0540,Plg10.0000°,Azm110.0000°; N 0.8980,Plg1.0000°,Azm20.0000°
; P -4.9620,Plg80.0000°,Azm283.0000° $M_0$4.50800×10^{16}
ISC VIII 18 20 27 35.9–1.5 21.06S–.03 69.05W–.09 106–9 54 0-3
SJA VIII 18 20 27 35.4–.73 21.07S 69.05W 103–4 3.5W,3.3L **¶624776297**
GUC VIII 18 20 27 36.2–.55 21.08S 68.91W 93–4 3.3L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=7.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=4.2km az=-1.0. Presumed earthquake.
ISC VIII 18 06 29 17.0–.63 18.19S–.03 69.80W–.06 130–6 4.3b 143 0-84
IDC VIII 18 06 29 16.5–2.3 18.36S 69.73W 118–17 4.2,3.9b **¶620996167**
GFZ VIII 18 06 29 17.3–.31 18S–3.0 70W–5.0 145 4.2b,4.0
SJA VIII 18 06 29 17.8–.69 18.23S 69.77W 130–4 4.0L,3.8W
NEIC VIII 18 06 29 18.0–1.7 18.23S–.05 69.83W–.06 133–5 4.4b,3.8W
GUC VIII 18 06 29 19.8–.70 18.24S 69.86W 122–3 3.9L,3.8W
VAO VIII 18 06 29 19.7–1.1 18.12S 69.48W 125 4.3b,3.8W
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=23.6km az=119.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=5.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.7km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.6km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=5.2km s-min=12.0km az=-1.0. Presumed earthquake.
IDC VIII 19 21 55 27.8–475 21.29S 69.68W 0 ¶621039220
IDC Error ellipse: s-maj=205.6km s-min=104.9km az=20.0.
ISC VIII 18 15 44 24.4–.65 19.51S–.03 69.82W–.04 69–5 110 0-152
SJA VIII 18 15 44 23.9–.57 19.53S 69.81W 75–2 4.1L,4.1W **¶620996743**
IDC VIII 18 15 44 25.1–1.1 19.57S 69.54W 75–8 3.9,3.5b
NEIC VIII 18 15 44 25.6–.87 19.53S–.02 69.85W–.05 63–8 4.1b,3.5b
GUC VIII 18 15 44 25.6–.72 19.51S 69.78W 68–3 4.1L,3.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=38.1km s-min=21.8km az=118.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=2.4km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0. Presumed earthquake.
ISC VIII 18 19 07 16.3–1.5 19.42S–.03 69.63W–.07 84–10 32 0-3
SJA VIII 18 19 07 14.6–.60 19.40S 69.63W 85–6 3.5W,3.4L **¶624776296**
GUC VIII 18 19 07 15.2–.73 19.37S 69.52W 92–4 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VIII 20 13 05 21.8–1.4 21.11S–.03 69.57W–.06 96–7 60 0-3
SJA VIII 20 13 05 20.6–.70 21.10S 69.52W 97–2 3.7W,3.6L **¶624776325**
GUC VIII 20 13 05 22.5–.79 21.10S 69.49W 91–3 3.5L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=3.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0. Presumed earthquake.

ISC VIII 21 12 30 34.3–1.5 19.41S–.03 69.27W–.06 113–8 60 0-4
SJA VIII 21 12 30 32.4–.69 19.38S 69.19W 120–3 3.5W,3.4L **¶624776344**
GUC VIII 21 12 30 34.2–.72 19.37S 69.17W 110–2 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.4km az=-1.0. Presumed earthquake.
ISC VIII 21 00 52 22.5–1.7 22.90S–.05 68.77W–.06 113–11 34 1-4
SJA VIII 21 00 52 21.8–.60 22.92S 68.81W 116–5 3.1W,2.9L **¶624776338**
GUC VIII 21 00 52 23.3–.63 22.88S 68.81W 110–3 2.8L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=5.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0. Presumed earthquake.
ISC VIII 22 12 28 07.3–1.4 20.18S–.03 69.20W–.07 80–8 49 0-4
SJA VIII 22 12 28 03.3–.59 20.19S 69.34W 120 3.7L,3.6W **¶624776357**
GUC VIII 22 12 28 05.1–.74 20.21S 69.18W 96–3 3.4L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VIII 25 00 28 33.1–.22 27.47S–.02 69.31W–.03 105–1 5.1b 673 1-170
VAO VIII 25 00 28 20.0–.35 27.55S 69.70W 10 5.2b **¶621003195**
SJA VIII 25 00 28 31.9–.72 27.41S 69.34W 111–4 5.1L,5.0W
GFZ VIII 25 00 28 31.7–.14 28S–1.0 69W–3.0 94–4 5.5b,5.1
GFZ VIII 25 00 28 31.6 27.51S 69.19W 98 5.0W,5.1
NEIC VIII 25 00 28 32.5–2.1 27.49S–.02 69.24W–.06 97–3 5.1b,5.1
BJI VIII 25 00 28 32.0 27.50S 69.20W 86 5.4b,5.0s
NEIC VIII 25 00 28 32.5 27.53S 69.25W 99 5.4b,5.0s
NEIC VIII 25 00 28 32.3 27.52S 69.25W 96 5.4b,5.0s
GUC VIII 25 00 28 33.2–.77 27.44S 69.35W 107–4 5.3L,5.0s
IDC VIII 25 00 28 34.1–.33 27.43S 69.14W 109–2 4.9,4.6b
NEIC VIII 25 00 28 35.2 27.42S 69.36W 90 5.1,4.6b
GCMT VIII 25 00 28 36.6–.20 27.48S–.01 69.40W–.02 106–1 5.1W,4.6b
ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.51 $M_{\theta\theta}$1.32 $M_{\phi\phi}$3.19 $M_{r\theta}$0.10 $M_{\theta\phi}$-1.71 $M_{\phi r}$2.01 NP1: ϕ_s161.45897°,δ56.72525°,λ-77.03221°. NP2:ϕ_s318.69065°,δ35.43963°,λ-108.87811°.
Principal axes: T 4.5254,Plg10.8444°,Azm242.1614°; N 0.5200,Plg10.8135°,Azm334.2583°
; P -5.0454,Plg74.5915°,Azm108.1291° $M_0$4.80653×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.57 $M_{\theta\theta}$0.85 $M_{\phi\phi}$3.72 $M_{r\theta}$1.12 $M_{\theta\phi}$-1.87 $M_{\phi r}$0.91 NP1:ϕ_s169.18000°,δ49.15000°,λ-68.80000°. NP2:ϕ_s318.51000°,δ45.15000°
,λ-112.69000°. Principal axes: T 4.6550,Plg2.0000°,Azm244.0000°; N 0.3299,Plg16.0000°
,Azm335.0000°; P -4.9849,Plg74.0000°,Azm147.0000° $M_0$4.83000×10^{16}
NEIC Event type se.
NEIC Event type se.
GUC Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ7 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.17 $M_{\theta\theta}$1.90 $M_{\phi\phi}$2.27 $M_{r\theta}$0.09 $M_{\theta\phi}$-2.68 $M_{\phi r}$1.58 NP1:ϕ_s301.34000°,δ40.33000°
,λ-114.34000°. NP2:ϕ_s152.02000°,δ53.87000°,λ-70.72000°. Principal axes:
T 4.9035,Plg7.0000°,Azm228.0000°; N -0.2799,Plg15.0000°,Azm320.0000°
; P -4.6237,Plg73.0000°,Azm115.0000° $M_0$4.77000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108250028A. Moment Tensor Solution. s74,c91; s118,c182; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.80±.08 $M_{\theta\theta}$1.38±.11; $M_{\phi\phi}$3.42±.14; $M_{r\theta}$-0.14±.07; $M_{\theta\phi}$-2.45±.09; $M_{\phi r}$1.08±.11; Best double couple: NP1:ϕ_s320.00000°,δ40.00000°
,λ-99.00000°. NP2:ϕ_s152.00000°,δ51.00000°,λ-83.00000°. Principal axes:
T 5.1500,Plg6.0000°,Azm237.0000°; N -0.2060,Plg6.0000°,Azm327.0000°
; P -4.9450,Plg82.0000°,Azm103.0000° $M_0$5.04800×10^{16}
ISC VIII 23 20 18 05.2–1.3 24.30S–.03 69.37W–.05 91–14 62 1-5
GUC VIII 23 20 18 03.4–.73 24.29S 69.26W 93–3 3.7L **¶624776383**
SJA VIII 23 20 18 03.0–.80 24.27S 69.43W 108–6 3.7L,3.6W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=2.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.2km az=-1.0. Presumed earthquake.
ISC VIII 23 21 02 24.5–.31 20.89S–.03 69.03W–.04 101–2 4.9b 307 0-160
SJA VIII 23 21 02 23.1–.86 20.89S 69.11W 121–6 4.8L,4.5W **¶621001058**
NEIC VIII 23 21 02 24.4–1.6 20.90S–.03 69.06W–.06 103–5 4.9b,4.5W
VAO VIII 23 21 02 25.4–.57 20.77S 68.83W 108 5.0b,4.5W
GUC VIII 23 21 02 25.0–.63 20.92S 69.01W 101–3 4.8L,4.5W
IDC VIII 23 21 02 25.9–.47 20.87S 68.75W 104–3 4.6,4.2b
GFZ VIII 23 21 02 26.4–.20 21S–2.0 69W–5.0 92–4 5.1,4.9b
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 23 06 26 48.4–1.4 20.15S–.03 69.25W–.06 92–8 59 0-5
SJA VIII 23 06 26 45.9–.73 20.15S 69.10W 100–3 3.5L,3.5W **¶624776376**
GUC VIII 23 06 26 47.0–.80 20.12S 69.23W 96–3 3.3L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0. Presumed earthquake.
ISC VIII 24 11 06 58.4–.69 20.29S–.03 69.13W–.05 95–5 103 0-163
IDC VIII 24 11 06 57.2–8.7 20.47S 69.23W 114–40 3.9,3.6b **¶621002274**
SJA VIII 24 11 06 57.8–.75 20.29S 69.10W 102–3 4.1L,4.0W
NEIC VIII 24 11 06 58.0–.91 20.28S–.04 69.08W–.07 104–5 4.1b,4.0W
GUC VIII 24 11 06 59.3–.89 20.29S 69.04W 96–4 4.0L,4.0W
ISC Event type se.
IDC Error ellipse: s-maj=131.6km s-min=30.7km az=77.0.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=5.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.1km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0. Presumed earthquake.
ISC VIII 25 12 46 29.3–1.4 22.63S–.03 68.79W–.05 123–9 61 1-5
SJA VIII 25 12 46 29.1–.75 22.66S 68.63W 101–6 3.5W,3.4L **¶624776404**
GUC VIII 25 12 46 31.5–.90 22.56S 68.82W 92–5 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0. Presumed earthquake.
ISC VIII 25 15 51 04.9–1.4 19.40S–.03 69.49W–.06 82–8 58 0-5
SJA VIII 25 15 51 01.5–.68 19.41S 69.40W 103–3 4.1L,3.9W **¶624776407**
GUC VIII 25 15 51 03.5–.77 19.39S 69.38W 92–3 3.9L,3.9W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=4.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VIII 25 07 43 37.6–1.4 20.50S–.03 69.12W–.07 101–8 59 0-3
SJA VIII 25 07 43 36.3–.72 20.50S 69.05W 102–3 3.7L,3.6W **¶624776401**
GUC VIII 25 07 43 37.5–.77 20.50S 69.01W 97–4 3.6L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.2km az=-1.0. Presumed earthquake.
ISC VIII 25 06 15 25.2–.73 23.79S–.04 68.07W–.04 122–7 4.0b 108 1-147
IDC VIII 25 06 15 24.3–2.2 23.70S 67.92W 104–21 3.8,3.4b **¶621058905**
NEIC VIII 25 06 15 25.6–1.9 23.80S–.05 68.10W–.08 124–8 4.3b,3.4b
SJA VIII 25 06 15 25.8–.77 23.78S 68.14W 124–5 3.6L,3.6W
GUC VIII 25 06 15 26.4–.81 23.71S 68.17W 134–4 3.7L,3.6W
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=15.4km az=91.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=2.4km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0. Presumed earthquake.

GUC Event type se. Error ellipse: s-maj=2.3km s-min=4.0km az=-1.0. Presumed earthquake.
ISC VIII 31 21 18 24.9–1.5 22.49S–.03 68.48W–.07 120–10 53 1-4
GUC VIII 31 21 18 24.5–.79 22.47S 68.41W 119–4 2.9L **¶624776535**
SJA VIII 31 21 18 24.1–.66 22.50S 68.49W 122–6 3.1W,2.9L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=6.2km az=-1.0. Presumed earthquake.
ISC VIII 26 12 26 18.9–1.3 21.03S–.02 69.67W–.05 64–7 53 0-3
SJA VIII 26 12 26 16.9–.60 21.04S 69.67W 72–2 3.6W,3.3L **¶624776422**
GUC VIII 26 12 26 18.4–.49 21.05S 69.62W 71–2 2.9L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=0.9km s-min=2.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.8km s-min=2.2km az=-1.0. Presumed earthquake.
ISC VIII 30 16 26 31.6–1.2 21.37S–.02 69.89W–.04 45–6 89 0-6
SJA VIII 30 16 26 29.4–.67 21.37S 69.87W 56–4 4.0L,4.0W **¶621011070**
NEIC VIII 30 16 26 30.8–.58 21.36S–.04 69.85W–.07 45–11 4.2L,4.0W
GUC VIII 30 16 26 31.3–.76 21.37S 69.80W 51–2 4.1L,4.0W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=3.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.9km az=74.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0. Presumed earthquake.
ISC VIII 27 18 29 42.5–1.4 19.80S–.03 69.44W–.06 80–8 52 0-3
SJA VIII 27 18 29 39.6–.72 19.79S 69.40W 93–3 3.7W,3.6L **¶624776436**
GUC VIII 27 18 29 40.8–.66 19.79S 69.48W 96–3 3.5L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.4km az=-1.0. Presumed earthquake.
ISC IX 03 00 26 30.9–.79 22.86S–.03 68.58W–.04 134–6 84 0-26
VAO IX 03 00 26 20.7–3.8 23.22S 69.02W 68–20 4.3b **¶624897059**
SJA IX 03 00 26 31.9–.87 22.83S 68.52W 123–4 3.6L,3.6W
GUC IX 03 00 26 32.9–.75 22.80S 68.53W 123–4 3.7L,3.6W
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=16.6km s-min=22.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0. Presumed earthquake.
ISC IX 01 23 32 32.4–.67 18.00S–.04 69.26W–.07 172–5 4.3b 95 0-150
NEIC IX 01 23 32 32.6–1.4 17.99S–.05 69.3W–.10 170–6 4.3b **¶621080645**
SJA IX 01 23 32 32.0–.77 18.00S 69.34W 176–6 4.0W,3.9L
GUC IX 01 23 32 34.3–.83 17.98S 69.24W 158–3 3.7L,3.9L
IDC IX 01 23 32 34.1–2.2 17.87S 69.08W 174–17 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.9km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=6.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=3.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=45.9km s-min=29.6km az=119.0.
ISC IX 03 18 03 14.9–.83 19.54S–.03 69.41W–.05 98–6 82 0-144
SJA IX 03 18 03 14.4–.59 19.55S 69.44W 99–2 3.7W,3.6L **¶621081582**
GUC IX 03 18 03 15.4–.77 19.51S 69.37W 96–2 3.6L,3.6L
IDC IX 03 18 03 16.2–2.8 19.38S 69.19W 115–31 3.7,3.3b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=37.7km s-min=23.1km az=87.0.
ISC IX 10 05 45 56.3–.67 20.62S–.02 69.35W–.04 90–5 4.1b 103 0-70
SJA IX 10 05 45 55.9–.64 20.64S 69.31W 88–2 4.2L,4.2W **¶622452025**
GUC IX 10 05 45 56.7–.67 20.64S 69.23W 90–2 4.3L,4.2W
NEIC IX 10 05 45 56.9–1.9 20.63S–.05 69.37W–.09 94–7 4.3L,4.1b
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 04 23 49 28.6–.91 20.80S–.03 69.00W–.06 113–7 59 1-145
GUC IX 04 23 49 27.7–.91 20.87S 68.86W 102–5 3.5L **¶621081662**
SJA IX 04 23 49 27.8–.58 20.86S 69.00W 108–6 3.5W,3.4L
IDC IX 04 23 49 30.5–5.2 20.65S 68.61W 126–59 4.2,4.1b
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=5.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=115.3km s-min=38.0km az=111.0.
ISC IX 06 06 38 36.9–.61 27.59S–.03 69.26W–.03 110–6 4.3b 263 1-170
VAO IX 06 06 38 27.5–1.4 27.74S 69.65W 44–8 4.4b **¶621036061**
SJA IX 06 06 38 36.5–.75 27.53S 69.26W 118–9 4.1L,4.1W
IDC IX 06 06 38 36.7–1.8 27.57S 69.05W 99–16 4.3,4.0b
NEIC IX 06 06 38 37.1–1.1 27.61S–.05 69.19W–.08 108–6 4.4b,4.4
GFZ IX 06 06 38 37.6–.19 28S–2.0 69W–5.0 106–6 4.6b,4.6
GUC IX 06 06 38 38.5–.83 27.64S 69.64W 135–7 4.3L,4.6
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=6.2km s-min=10.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.2km s-min=11.4km az=89.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.8km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=3.2km s-min=16.1km az=-1.0. Presumed earthquake.
ISC IX 09 01 45 19.2–1.3 20.79S–.02 69.11W–.05 10–11 54 0-5
SJA IX 09 01 45 16.5–.45 20.79S 68.92W 21–2 3.5L,3.5W **¶624897158**
GUC IX 09 01 45 19.4–.72 20.80S 69.06W 93–3 3.5L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.0km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0. Presumed earthquake.
ISC IX 04 16 53 02.1–1.8 18.01S–.06 69.76W–.08 133–10 56 0-5
SJA IX 04 16 53 03.1–.61 18.07S 69.72W 125–3 3.5W,3.4L **¶624897074**
GUC IX 04 16 53 05.4–.81 18.07S 69.66W 111–3 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=4.3km az=-1.0. Presumed earthquake.
ISC IX 10 21 18 21.8–2.6 27.89S–.09 69.17W–.05 136–21 21 1-4
SJA IX 10 21 17 59.1–.59 26.72S 70.21W 15 3.2W,2.9L **¶635706655**
GUC IX 10 21 18 24.8–.89 27.95S 69.11W 83–14 2.8L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=7.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.8km s-min=4.7km az=-1.0. Presumed earthquake.
ISC IX 10 03 25 38.6–.57 18.18S–.03 69.87W–.05 94–5 4.5b 149 0-150
SJA IX 10 03 25 35.1–.76 17.97S 69.74W 112–4 4.6L,4.2W **¶621108480**
NEIC IX 10 03 25 38.8–1.6 18.20S–.05 69.91W–.05 97–4 4.6b,4.4
GUC IX 10 03 25 40.0–.79 18.22S 70.01W 96–3 4.5L,4.4
VAO IX 10 03 25 43.5–1.0 18.12S 69.47W 127–8 4.3b,4.4
IDC IX 10 03 25 49.7–3.6 17.40S 69.24W 159–17 4.2,3.6b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.4km s-min=5.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.7km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=2.5km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=5.8km s-min=8.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=67.7km s-min=14.6km az=19.0.
ISC IX 13 23 35 05.2–1.8 23.21S–.05 68.67W–.06 90–12 32 1-4
SJA IX 13 23 35 02.3–.65 23.27S 68.58W 94–7 3.0W,2.6L **¶626551433**
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=7.1km az=-1.0. Presumed earthquake.
ISC IX 14 05 30 13.7–1.9 20.10S–.04 69.22W–.09 139–11 42 0-3
SJA IX 14 05 30 15.7–.55 20.09S 69.24W 116–3 3.7W,3.6L **¶624897255**
GUC IX 14 05 30 18.6–.69 20.49S 68.90W 121–6 3.3L,3.6L
ISC Event type se.

SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=5.1km az=-1.0. Presumed earthquake.
ISC IX 16 07 29 04.5–.62 19.22S–.03 69.33W–.05 120–5 4.2b 109 0-71
SJA IX 16 07 29 04.4–.58 19.17S 69.33W 118–2 3.8L,3.8W **¶621079074**
NEIC IX 16 07 29 05.3–.92 19.20S–.05 69.37W–.05 118–5 4.2b,3.7L
GUC IX 16 07 29 06.3–.80 19.17S 69.30W 110–3 3.7L,3.7L
VAO IX 16 07 29 12.5–1.5 18.86S 68.55W 135–10 4.2b,3.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.1km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.4km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=9.2km s-min=14.4km az=-1.0. Presumed earthquake.
ISC IX 15 15 23 40.9–1.6 20.02S–.03 69.27W–.07 91–10 48 0-3
SJA IX 15 15 23 37.8–.68 19.98S 69.20W 105–4 3.6L,3.6W **¶624897298**
GUC IX 15 15 23 40.0–.37 20.03S 69.23W 98–2 3.1L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0. Presumed earthquake.
ISC IX 15 15 47 37.0–.64 22.19S–.03 68.67W–.05 139–6 125 1-161
NEIC IX 15 15 47 38.0–1.6 22.20S–.01 68.66W–.05 132–6 4.3b,3.9L **¶621079014**
SJA IX 15 15 47 37.9–.77 22.13S 68.65W 130 4.0L,4.0W
GUC IX 15 15 47 38.4–.68 22.14S 68.62W 133–3 4.0L,4.0W
VAO IX 15 15 47 46.3–.84 21.65S 67.98W 139 4.3b,4.0W
IDC IX 15 15 48 17.6–6.1 14.98S 68.48W 328–100 4.3,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=1.1km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.8km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=7.0km s-min=6.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=362.5km s-min=104.9km az=1.0.
ISC IX 19 19 32 23.9–1.4 19.64S–.03 69.36W–.05 89–7 62 0-5
SJA IX 19 19 32 21.6–.56 19.64S 69.31W 98–2 3.5W,3.4L **¶624897387**
GUC IX 19 19 32 21.9–.79 19.62S 69.33W 96–2 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0. Presumed earthquake.
ISC IX 17 02 40 18.1–.54 20.07S–.02 69.27W–.04 109–4 4.3b 188 0-159
SJA IX 17 02 40 17.5–.64 20.08S 69.27W 109–2 4.3L,3.9W **¶621080894**
NEIC IX 17 02 40 18.3–1.7 20.05S–.03 69.28W–.06 103–2 4.3b,4.2L
VAO IX 17 02 40 18.7–.90 20.12S 69.11W 104 4.3b,4.2L
GUC IX 17 02 40 19.0–.81 20.06S 69.23W 103–3 4.2L,4.2L
IDC IX 17 02 40 20.9–2.4 19.95S 69.00W 122–21 4.0,3.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.1km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.5km s-min=10.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.3km s-min=16.0km az=67.0.
ISC IX 16 22 05 08.7–1.5 25.25S–.03 69.31W–.06 141–16 60 1-5
GUC IX 16 22 05 09.3–.61 25.30S 69.17W 122–9 3.8L **¶624897334**
SJA IX 16 22 05 09.4–1.4 25.27S 69.19W 111 3.6L,3.6W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=5.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=5.6km az=-1.0. Presumed earthquake.
ISC IX 22 01 08 57.0–.72 18.59S–.04 69.22W–.07 143–7 77 0-72
NEIC IX 22 01 08 57.8–2.0 18.61S–.05 69.21W–.06 138–5 4.0b,3.6L **¶621094772**
SJA IX 22 01 08 57.9–1.1 18.64S 69.27W 138–6 3.7W,3.5L
GUC IX 22 01 08 58.4–.52 18.63S 69.24W 139–2 3.6L,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.4km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=4.2km s-min=7.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.7km az=-1.0. Presumed earthquake.
ISC IX 19 23 19 10.0–.83 27.50S–.03 69.34W–.03 116–7 68 1-151
SJA IX 19 23 19 08.5–.74 27.48S 69.31W 117–4 3.4W,3.3L **¶621113652**
GUC IX 19 23 19 10.2–.82 27.53S 69.42W 110–6 3.4L,3.3L
IDC IX 19 23 19 12.1–2.9 27.68S 68.98W 122–22 3.6,3.4b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=45.9km s-min=18.3km az=101.0.
ISC IX 22 03 30 36.9–1.5 20.42S–.03 69.25W–.08 111–9 50 0-4
GUC IX 22 03 30 36.6–.68 20.40S 69.19W 116–4 3.1L **¶624897455**
SJA IX 22 03 30 36.0–.61 20.41S 69.23W 111–2 3.6W,3.3L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=6.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.0km s-min=2.8km az=-1.0. Presumed earthquake.
ISC IX 23 13 26 40.7–1.4 24.36S–.03 69.29W–.07 73–21 44 1-5
SJA IX 23 13 26 37.8–.61 24.39S 69.19W 76–5 3.1W,2.9L **¶624897486**
GUC IX 23 13 26 39.1–.61 24.40S 69.26W 85–4 3.0L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=6.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0. Presumed earthquake.
ISC IX 27 23 18 33.9–1.4 22.72S–.03 69.08W–.04 79–9 51 0-4
SJA IX 27 23 18 31.8–.64 22.75S 69.07W 89–3 3.5W,3.4L **¶624897565**
GUC IX 27 23 18 33.7–.87 22.76S 69.07W 80–5 3.4L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0. Presumed earthquake.
ISC IX 26 01 32 01.5–1.7 20.17S–.04 69.06W–.07 103–10 46 0-3
SJA IX 26 01 31 59.7–1.0 20.17S 69.02W 109–5 3.6L,3.6W **¶624897540**
GUC IX 26 01 32 00.5–.72 20.15S 69.04W 103–3 3.2L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=5.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0. Presumed earthquake.
ISC IX 23 10 48 15.9–1.8 27.37S–.06 69.31W–.05 100–18 26 1-4
SJA IX 23 10 48 13.9–1.1 27.31S 69.29W 108–9 3.1W,2.5L **¶624897484**
GUC IX 23 10 48 15.9–.69 27.43S 69.45W 116–8 2.9L,2.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.7km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=12.3km az=-1.0. Presumed earthquake.
ISC IX 24 11 20 24.9–1.5 22.16S–.03 68.78W–.06 145–10 53 1-4
SJA IX 24 11 20 25.4–.86 22.14S 68.69W 130 3.6W,3.4L **¶624897514**
GUC IX 24 11 20 26.1–.81 22.14S 68.72W 135–7 3.4L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=4.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=6.6km az=-1.0. Presumed earthquake.
ISC IX 24 11 23 20.4–1.4 19.85S–.03 69.46W–.05 78–7 48 0-4
SJA IX 24 11 23 18.2–.70 19.85S 69.43W 87–2 3.7L,3.7W **¶624897515**
GUC IX 24 11 23 19.9–.87 19.83S 69.43W 79–4 3.5L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=4.3km az=-1.0. Presumed earthquake.
ISC X 01 14 58 55.2–1.5 20.16S–.03 69.18W–.08 126–9 59 0-5
SJA X 01 14 58 54.3–.78 20.13S 69.15W 126–4 3.7L,3.7W **¶625233342**
GUC X 01 14 58 55.7–.68 20.13S 69.09W 120–3 3.5L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0. Presumed earthquake.
ISC IX 28 08 15 59.1–.71 22.41S–.03 68.65W–.04 119–6 95 1-146
NEIC IX 28 08 15 59.0–1.4 22.39S–.05 68.66W–.06 126–5 4.0b,3.8L **¶622499448**
SJA IX 28 08 15 59.7–.62 22.33S 68.64W 111–4 3.8L,3.8W
GUC IX 28 08 16 00.0–.77 22.31S 68.63W 115–3 3.8L,3.8W
IDC IX 28 08 16 25.3–7.4 20.12S 67.53W 265–48 3.8,3.2b

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.1km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=104.2km s-min=24.6km az=24.0.
ISC X 02 11 57 57.6–1.4 24.52S–.03 69.32W–.06 111–14 53 1-5
SJA X 02 11 57 56.4–.70 24.50S 69.35W 110 3.3L,3.3W **¶625233363**
GUC X 02 11 57 58.5–.63 24.46S 69.34W 95–4 3.5L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0. Presumed earthquake.
ISC X 02 17 34 27.7–1.5 20.33S–.03 69.33W–.07 101–10 51 1-3
SJA X 02 17 34 26.1–.59 20.28S 69.25W 106–3 3.5L,3.2W **¶625233370**
GUC X 02 17 34 27.8–.75 20.31S 69.24W 99–3 3.1L,3.2W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.3km az=-1.0. Presumed earthquake.
ISC X 02 10 34 14.2–1.4 22.24S–.03 68.78W–.05 121–10 52 1-5
SJA X 02 10 34 12.4–.63 22.25S 68.75W 130–3 3.5L,3.5W **¶625233362**
GUC X 02 10 34 14.4–.85 22.25S 68.75W 120–4 3.6L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=2.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=2.9km az=-1.0. Presumed earthquake.
ISC X 03 08 35 14.2–1.4 20.75S–.03 69.19W–.06 105–10 47 0-5
SJA X 03 08 35 12.4–.72 20.72S 69.11W 112–5 4.0L,3.7W **¶625233378**
GUC X 03 08 35 13.2–.69 20.74S 69.04W 108–3 3.8L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0. Presumed earthquake.
ISC X 04 20 47 14.9–1.9 18.58S–.05 69.83W–.06 73–13 36 0-3
SJA X 04 20 46 56.9–.60 17.45S 69.75W 134–4 3.7L,3.6W **¶625233414**
GUC X 04 20 47 13.1–.82 18.52S 69.77W 85–4 3.4L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.1km s-min=6.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.5km az=-1.0. Presumed earthquake.
ISC X 04 10 30 23.8–1.5 21.42S–.03 69.07W–.06 124–10 56 1-4
SJA X 04 10 30 23.0–.60 21.40S 68.94W 114–4 3.5L,3.5W **¶625233407**
GUC X 04 10 30 24.2–.89 21.42S 68.89W 109–6 3.6L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=6.3km az=-1.0. Presumed earthquake.
ISC X 05 21 46 12.8–1.3 23.74S–.03 69.44W–.04 80–11 48 1-4
SJA X 05 21 46 11.9–.73 23.70S 69.39W 79–4 3.4W,3.2L **¶625233429**
GUC X 05 21 46 12.0–.79 23.71S 69.42W 87–3 3.5L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=2.4km az=-1.0. Presumed earthquake.
ISC X 05 14 24 47.8–1.4 23.59S–.04 68.68W–.04 116–11 47 1-4
GUC X 05 14 24 47.8–.87 23.63S 68.66W 113–4 3.4L **¶625233425**
SJA X 05 14 24 47.6–.75 23.62S 68.67W 106–4 3.6W,3.3L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=3.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. Presumed earthquake.
GUC X 07 20 25 31.4–.94 21.04S 69.64W 4–3 2.2L
¶625233471
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.7km az=-1.0. Presumed earthquake.
ISC X 09 15 29 59.4–.81 18.17S–.05 69.44W–.08 141–6 3.4b 25 0-77
GUC X 09 15 30 03.1–.86 18.22S 69.41W 120–4 3.1L **¶621235332**
IDC X 09 15 30 04.2–2.4 17.77S 69.18W 178–17 3.9,3.4b
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=3.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=35.7km s-min=29.5km az=25.0.
ISC X 08 07 09 03.8–1.4 22.87S–.04 68.67W–.04 113–9 40 0-4
GUC X 08 07 09 03.9–.83 22.86S 68.73W 123–5 3.4L **¶625233484**
SJA X 08 07 09 03.3–.67 22.82S 68.62W 107–6 3.5W,3.3L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=4.4km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=4.6km s-min=3.7km az=-1.0. Presumed earthquake.
ISC X 12 04 35 44.2–1.6 23.27S–.04 69.24W–.05 92–10 33 0-4
SJA X 12 04 35 43.0–.87 23.29S 69.20W 86–8 3.6W,3.5L **¶625233572**
GUC X 12 04 35 44.6–.72 23.25S 69.26W 94–3 3.9L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=7.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0. Presumed earthquake.
ISC X 10 10 58 56.9–1.4 25.47S–.03 69.04W–.04 142–14 62 1-5
SJA X 10 10 58 57.5–.86 25.47S 68.99W 124 3.9L,3.8W **¶625233546**
GUC X 10 10 58 58.3–.74 25.47S 69.10W 134–7 3.9L,3.8W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0. Presumed earthquake.
ISC X 11 14 17 32.3–1.4 21.10S–.03 69.00W–.06 121–9 60 0-5
SJA X 11 14 17 31.5–.69 21.11S 69.00W 121–3 3.6W,3.5L **¶625233566**
GUC X 11 14 17 33.2–.89 21.13S 68.95W 111–5 3.4L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=5.8km az=-1.0. Presumed earthquake.
ISC X 13 11 45 10.1–1.9 19.23S–.04 69.31W–.08 111–11 41 0-3
SJA X 13 11 45 08.5–.96 19.22S 69.27W 117–4 3.7W,3.5L **¶625233590**
GUC X 13 11 45 09.7–.52 19.18S 69.21W 110–2 3.6L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=5.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Presumed earthquake.
ISC X 13 12 06 12.9–.78 19.83S–.03 69.16W–.05 117–5 95 0-70
SJA X 13 12 06 12.3–.80 19.82S 69.08W 117–3 3.9L,3.7W **¶621148690**
NEIC X 13 12 06 13.6–1.8 19.87S–.04 69.17W–.09 113–5 4.0b,3.9L
GUC X 13 12 06 14.0–.93 19.80S 69.08W 109–3 3.9L,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.0km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0. Presumed earthquake.
ISC X 18 11 08 01.4–1.8 20.84S–.04 69.12W–.07 107–13 32 0-4
GUC X 18 11 08 01.0–.71 20.85S 69.03W 109–4 3.5L **¶625233760**
SJA X 18 11 08 01.4–.45 20.80S 69.15W 103–3 3.4W,3.1L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=4.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.9km az=-1.0. Presumed earthquake.
ISC X 16 00 43 51.4–1.6 23.76S–.04 69.03W–.05 118–12 37 1-4
SJA X 16 00 43 50.5–1.1 23.76S 69.03W 116–6 3.4W,3.3L **¶625233660**
GUC X 16 00 43 51.9–.85 23.76S 69.04W 115–4 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.8km s-min=3.1km az=-1.0. Presumed earthquake.
ISC X 15 04 17 00.5–1.4 22.30S–.03 68.97W–.05 118–9 55 1-5
SJA X 15 04 17 00.5–.80 22.33S 68.95W 110–4 3.7W,3.6L **¶625233617**
GUC X 15 04 17 03.0–.63 22.31S 68.94W 95–3 3.7L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=3.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=1.9km az=-1.0. Presumed earthquake.
ISC X 16 08 52 00.2–.91 18.64S–.04 69.30W–.08 130–7 45 0-127
IDC X 16 08 51 55.7–3.8 19.15S 69.32W 102–32 4.1,3.7b **¶621242115**
SJA X 16 08 52 00.1–.75 18.65S 69.35W 129–4 3.6W,3.4L
GUC X 16 08 52 01.4–.68 18.62S 69.27W 122–3 3.5L,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=34.0km az=62.0.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=4.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.3km az=-1.0. Presumed earthquake.
ISC X 19 21 01 04.6–.84 18.98S–.03 69.30W–.06 120–6 67 0-151
SJA X 19 21 01 04.0–.64 18.98S 69.34W 119–2 3.5L,3.5W **¶621244099**
GUC X 19 21 01 05.3–.69 18.96S 69.28W 112–2 3.6L,3.5W
IDC X 19 21 01 05.2–3.9 19.01S 69.14W 116–34 4.0,3.7b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=43.7km s-min=27.8km az=66.0.
GUC X 19 18 39 01.6–.57 20.32S 69.70W 68–3 2.5L
¶625233783
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.2km az=-1.0. Presumed earthquake.
ISC X 21 10 01 51.7–1.7 23.11S–.04 68.80W–.05 95–11 38 1-3
GUC X 21 10 01 50.3–.85 23.13S 68.74W 102–4 3.5L **¶625230108**
SJA X 21 10 01 50.0–.73 23.14S 68.89W 110–5 3.6L,3.6W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=5.9km az=-1.0. Presumed earthquake.
ISC X 20 20 20 18.7–1.4 21.96S–.03 69.94W–.07 94–9 51 0-5
SJA X 20 20 20 18.7–.74 21.97S 69.90W 88–4 3.7W,3.4L **¶625230096**
GUC X 20 20 20 20.8–.75 21.99S 69.80W 81–3 3.1L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.7km az=-1.0. Presumed earthquake.
GUC X 26 09 16 52.6–.51 25.36S 69.89W 76–12 2.6L
¶625230247
GUC Event type se. Error ellipse: s-maj=2.3km s-min=7.3km az=-1.0. Presumed earthquake.
ISC X 24 14 04 13.0–1.6 22.46S–.04 68.82W–.07 97–11 36 1-4
SJA X 24 14 04 10.5–.76 22.48S 68.76W 109–5 3.1W,2.9L **¶625230190**
GUC X 24 14 04 12.1–.69 22.45S 68.82W 107–4 2.5L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0. Presumed earthquake.
ISC X 22 11 14 49.9–.61 22.14S–.03 69.20W–.04 107–5 3.8b 158 1-146
IDC X 22 11 14 46.5–3.6 22.22S 69.19W 60–34 3.8L,3.8 **¶621236125**
GFZ X 22 11 14 49.9–.17 22S–2.0 69W–4.0 115 4.4,4.4L
NEIC X 22 11 14 49.8–1.0 22.15S–.02 69.19W–.05 107–6 4.3b,4.2L
SJA X 22 11 14 49.2–.65 22.15S 69.22W 110–3 4.1L,4.0W
GUC X 22 11 14 50.7–.93 22.15S 69.16W 101–4 4.2L,4.0W
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=18.8km az=98.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=1.0km az=67.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.
ISC X 23 19 43 39.2–.82 22.04S–.03 68.69W–.05 124–6 79 1-69
SJA X 23 19 43 38.8–.64 22.03S 68.70W 124–4 3.7L,3.6W **¶621238014**
NEIC X 23 19 43 39.3–1.4 22.05S–.04 68.67W–.05 121–4 4.1b,3.6L
GUC X 23 19 43 40.9–.83 22.05S 68.68W 110–4 3.6L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.3km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0. Presumed earthquake.
ISC X 29 04 06 07.0–1.5 20.75S–.03 69.23W–.08 103–10 43 0-2
SJA X 29 04 06 05.4–.64 20.75S 69.28W 119–12 3.5L,3.5W **¶625230293**
GUC X 29 04 06 06.8–.73 20.74S 69.19W 107–3 3.0L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=10.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.5km az=-1.0. Presumed earthquake.
ISC X 28 15 18 45.3–1.5 20.48S–.03 69.05W–.08 118–10 63 1-4
SJA X 28 15 18 43.7–.66 20.47S 68.98W 122–4 3.7L,3.5W **¶625230283**
GUC X 28 15 18 45.6–.61 20.46S 68.97W 114–3 3.5L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0. Presumed earthquake.
ISC X 27 06 27 28.2–1.2 22.87S–.03 69.97W–.04 50–7 64 0-5
SJA X 27 06 27 25.9–.67 22.86S 69.92W 61–2 3.6W,3.5L **¶625230261**
GUC X 27 06 27 27.1–.88 22.85S 69.91W 63–4 3.7L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0. Presumed earthquake.
ISC X 27 22 52 44.5–1.4 22.36S–.03 69.40W–.05 107–8 53 0-4
SJA X 27 22 52 44.8–.77 22.37S 69.34W 96–4 3.7W,3.6L **¶625230274**
GUC X 27 22 52 46.4–.76 22.38S 69.25W 87–4 3.9L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=4.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.2km az=-1.0. Presumed earthquake.
ISC X 30 07 03 09.0–.66 23.66S–.04 68.68W–.03 111–7 4.0b 133 1-147
IDC X 30 07 03 07.4–2.3 23.77S 68.22W 80–19 4.1,3.7b **¶621244349**
SJA X 30 07 03 08.5–.77 23.69S 68.71W 128 4.1L,4.0W
NEIC X 30 07 03 09.3–1.6 23.70S–.06 68.66W–.08 113–7 4.2b,4.1L
GUC X 30 07 03 11.1–.80 23.64S 68.65W 105–4 4.1L,4.1L
VAO X 30 07 03 12.3–1.7 23.50S 68.51W 149–11 4.3b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=14.5km az=109.0.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.3km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.9km s-min=2.8km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=8.4km s-min=16.0km az=-1.0. Presumed earthquake.
ISC XI 03 15 28 41.3–1.4 22.22S–.03 68.89W–.05 138–8 61 1-5
SJA XI 03 15 28 41.4–.62 22.20S 68.84W 130 3.5L,3.5W **¶625536883**
GUC XI 03 15 28 43.8–.72 22.21S 68.79W 114–4 3.6L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.8km az=-1.0. Presumed earthquake.
ISC XI 02 20 27 00.0–1.3 24.53S–.03 69.87W–.07 77–14 38 0-4
SJA XI 02 20 26 56.3–.65 24.57S 69.82W 24–3 3.5W,3.3L **¶625536853**
GUC XI 02 20 26 59.8–.61 24.56S 69.77W 66–4 3.4L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0. Presumed earthquake.
ISC X 31 00 34 21.1–1.4 27.61S–.03 69.13W–.03 119–10 60 1-5
SJA X 31 00 34 19.6–.65 27.59S 69.22W 128–5 3.3W,3.0L **¶625230325**
GUC X 31 00 34 21.4–.75 27.61S 69.21W 119–4 3.3L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=2.8km az=-1.0. Presumed earthquake.
ISC X 31 23 49 40.3–1.4 23.44S–.04 68.78W–.04 117–9 51 1-4
SJA X 31 23 49 39.7–1.0 23.45S 68.75W 110 3.5W,3.2L **¶625230359**
GUC X 31 23 49 40.7–.79 23.43S 68.78W 116–4 3.4L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0. Presumed earthquake.
ISC XI 01 01 22 18.3–.78 20.82S–.03 69.19W–.06 114–6 80 0-145
IDC XI 01 01 22 17.5–2.6 20.92S 69.12W 99–28 3.7,3.2s **¶621244930**
NEIC XI 01 01 22 18.4–1.4 20.79S–.04 69.22W–.08 115–3 4.0b,3.6L
GUC XI 01 01 22 18.8–.88 20.78S 69.18W 108–4 3.6L,3.6L
SJA XI 01 01 22 18.0–.65 20.81S 69.23W 114–3 3.7L,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=21.2km az=96.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=4.6km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=3.3km az=-1.0. Presumed earthquake.
ISC XI 02 19 49 38.6–1.8 18.48S–.06 69.94W–.07 122–9 53 0-5

SJA XI 02 19 49 38.1–.76 18.48S 69.90W 124–3 3.5W,3.4L ¶625536852
GUC XI 02 19 49 40.1–.62 18.41S 69.77W 108–3 3.4L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=5.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=3.3km az=-1.0. Presumed earthquake.
ISC XI 05 18 48 20.3–.45 19.24S–.02 69.70W–.05 91–4 4.3b 212 0-151
SJA XI 05 18 48 19.7–.58 19.24S 69.74W 92–2 4.3L,4.3W ¶621370582
NEIC XI 05 18 48 20.9–2.2 19.25S–.04 69.78W–.06 89–5 4.4b,4.1L
IDC XI 05 18 48 21.3–.58 19.16S 69.58W 92–5 4.3,3.9b
GUC XI 05 18 48 21.1–.70 19.20S 69.66W 87–3 4.1L,3.9b
VAO XI 05 18 48 25.3–.51 19.08S 69.24W 116 4.5b,3.9b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.7km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.9km s-min=13.2km az=89.0.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=4.0km s-min=5.4km az=-1.0. Presumed earthquake.
ISC XI 06 16 58 44.5–1.3 23.27S–.03 68.92W–.04 82–9 49 1-4
SJA XI 06 16 58 42.3–.75 23.26S 68.90W 91–3 3.6W,3.5L ¶625536935
GUC XI 06 16 58 42.9–.88 23.25S 68.89W 88–4 3.5L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=2.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0. Presumed earthquake.
ISC XI 09 14 45 33.1–.72 19.66S–.03 69.52W–.06 105–6 3.9b 59 0-127
NEIC XI 09 14 45 33.3–.82 19.67S–.04 69.50W–.06 102–4 4.0b,3.8L ¶621385500
GUC XI 09 14 45 33.1–.67 19.64S 69.42W 106–2 3.8L,3.8L
IDC XI 09 14 45 35.0–3.4 19.59S 69.47W 115–51 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.1km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=64.8km s-min=32.0km az=122.0.
ISC XI 06 20 31 25.0–.62 18.25S–.04 69.50W–.06 132–6 109 0-72
SJA XI 06 20 31 25.2–.70 18.25S 69.50W 131–3 4.3L,4.1W ¶621372227
NEIC XI 06 20 31 26.1–2.0 18.29S–.05 69.54W–.05 131–5 4.3L,4.1b
GUC XI 06 20 31 27.5–.91 18.26S 69.41W 114–4 4.3L,4.1b
VAO XI 06 20 31 29.1–1.4 18.18S 69.08W 135 4.1b,4.1b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=3.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.9km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=4.4km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=5.8km s-min=14.5km az=-1.0. Presumed earthquake.
ISC XI 07 10 12 32.1–.62 25.46S–.02 69.79W–.04 83–6 3.8b 78 1-149
GUC XI 07 10 12 31.8–.91 25.47S 69.71W 84–8 4.2L ¶621416031
SJA XI 07 10 12 31.7–.65 25.48S 69.78W 90–6 4.1L,4.0W
IDC XI 07 10 12 32.7–.96 25.50S 69.66W 81–7 3.9,3.6b
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.0km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=29.6km s-min=14.0km az=94.0.
ISC XI 08 05 26 56.1–1.4 19.35S–.03 69.64W–.06 76–8 39 0-4
SJA XI 08 05 26 53.6–.71 19.32S 69.62W 87–2 3.5W,3.3L ¶625536972
GUC XI 08 05 26 54.9–.50 19.34S 69.62W 86–2 3.1L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0. Presumed earthquake.
ISC XI 10 19 50 13.9–.89 22.07S–.04 68.60W–.06 128–8 48 1-146
IDC XI 10 19 49 59.8–2.0 22.77S 68.41W 0 4.2b,3.9 ¶621440076
SJA XI 10 19 50 11.0–.76 22.08S 68.28W 116–12 3.5W,3.4L
GUC XI 10 19 50 15.2–.73 22.09S 68.67W 125–4 3.5L,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=25.9km az=97.0.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=16.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0. Presumed earthquake.
ISC XI 10 05 48 23.6–.55 25.49S–.03 69.18W–.04 90–5 4.3b 248 1-149
VAO XI 10 05 48 11.5–.84 25.59S 69.80W 10 4.5b ¶621385770
SJA XI 10 05 48 21.9–.63 25.55S 69.09W 40–488 4.1W,3.9L
GUC XI 10 05 48 24.4–.69 25.57S 69.48W 113–6 3.9L,3.9L
NEIC XI 10 05 48 24.1–2.5 25.53S–.04 69.32W–.04 89–6 4.4b,4.3
GFZ XI 10 05 48 24.1–.16 26S–1.0 69W–3.0 96–2 5.0b,4.7
IDC XI 10 05 48 26.2–.65 25.52S 69.14W 105–5 4.1,3.7b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=6.4km s-min=7.6km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=6.0km az=158.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.5km s-min=3.1km az=93.0. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=21.8km s-min=13.9km az=88.0.
ISC XI 12 02 48 31.5–1.6 22.30S–.03 68.93W–.05 119–12 40 1-4
SJA XI 12 02 48 31.7–1.3 22.29S 68.98W 114–15 3.5W,3.3L ¶625537081
GUC XI 12 02 48 32.0–.88 22.28S 68.84W 115–5 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.5km s-min=9.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0. Presumed earthquake.
ISC XI 22 13 37 11.2–.77 23.25S–.03 69.12W–.04 93–5 4.0b 82 0-147
SJA XI 22 13 37 09.9–.70 23.20S 69.10W 98–3 3.6W,3.5L ¶621611914
NEIC XI 22 13 37 11.5–.61 23.21S–.05 69.12W–.05 87–6 4.2b,3.6L
GUC XI 22 13 37 11.2–.61 23.22S 69.11W 96–3 3.5L,3.6L
IDC XI 22 13 37 15.4–6.0 23.36S 68.55W 111–66 3.8,3.6b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=7.1km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=2.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=118.9km s-min=39.1km az=113.0.
ISC XI 12 09 12 45.6–1.6 20.84S–.03 69.18W–.09 113–10 39 0-3
SJA XI 12 09 12 45.0–.57 20.84S 69.20W 112–3 3.7L,3.5W ¶625537085
GUC XI 12 09 12 46.0–.46 20.84S 69.10W 109–2 3.6L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0. Presumed earthquake.
ISC XI 14 09 40 37.6–1.5 19.35S–.04 69.30W–.07 116–8 45 0-4
SJA XI 14 09 40 36.8–.45 19.32S 69.29W 117–2 3.5W,3.4L ¶625537120
GUC XI 14 09 40 37.9–.63 19.28S 69.22W 111–3 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=2.7km az=-1.0. Presumed earthquake.
ISC XI 17 23 32 18.1–.82 23.92S–.03 69.44W–.04 86–8 87 1-66
NEIC XI 17 23 32 18.5–2.1 23.90S–.04 69.41W–.03 88–8 4.1b,4.0L ¶621414532
GUC XI 17 23 32 18.6–.51 23.85S 69.36W 85–2 4.0L,4.0L
SJA XI 17 23 32 18.2–.70 23.87S 69.48W 84–6 3.8L,3.8W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.4km az=167.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=3.0km az=-1.0. Presumed earthquake.
ISC XI 14 22 13 01.7–1.4 20.20S–.03 69.34W–.05 86–8 51 0-5
SJA XI 14 22 12 59.2–.54 20.20S 69.29W 96–2 3.6L,3.6W ¶625537126
GUC XI 14 22 13 00.8–.90 20.20S 69.26W 92–3 3.3L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0. Presumed earthquake.

GUC Event type se. Error ellipse: s-maj=1.6km s-min=2.6km az=-1.0. Presumed earthquake.
ISC XI 17 15 07 05.8–1.4 24.51S–.03 69.64W–.08 108–14 36 1-5
SJA XI 17 15 07 04.5–.84 24.56S 69.61W 100 3.3W,3.1L ¶625537206
GUC XI 17 15 07 06.5–.75 24.54S 69.55W 87–6 3.1L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=4.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.0km s-min=5.9km az=-1.0. Presumed earthquake.
GUC XI 20 05 22 06.6–.73 22.61S 68.45W 125–5 3.1L
SJA XI 20 05 22 07.8–.27 23.02S 70.68W 50 3.3W,3.1L ¶625825376
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=16.8km az=-1.0. Presumed earthquake.
ISC XI 21 08 12 45.9–1.4 23.24S–.03 68.32W–.05 131–8 55 0-5
SJA XI 21 08 12 44.8–.73 23.23S 68.27W 134–3 3.4L,3.4W ¶625537291
GUC XI 21 08 12 46.9–.94 23.21S 68.27W 123–5 3.5L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.8km s-min=4.1km az=-1.0. Presumed earthquake.
ISC XI 20 21 52 37.7–.79 20.82S–.02 69.79W–.05 10 28 0-2
SJA XI 20 21 52 38.2–.80 20.83S 69.81W 9–5 3.1W,2.7L ¶625825383
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0. Presumed earthquake.
ISC XI 21 11 09 07.1–1.4 23.02S–.03 68.60W–.05 126–8 52 0-5
GUC XI 21 11 09 08.8–.93 23.05S 68.58W 110–4 3.5L ¶625537294
SJA XI 21 11 09 08.2–1.9 23.04S 68.66W 110 3.7L,3.5W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=3.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=4.5km s-min=7.0km az=-1.0. Presumed earthquake.
ISC XI 23 02 19 27.6–1.5 19.25S–.03 69.48W–.06 100–8 51 0-4
GUC XI 23 02 19 26.1–.86 19.21S 69.42W 102–3 3.5L ¶625537314
SJA XI 23 02 19 26.4–.54 19.23S 69.49W 102–2 3.5W,3.4L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0. Presumed earthquake.
ISC XI 24 19 46 49.5–.57 22.48S–.03 68.50W–.04 119–5 4.7b 207 1-146
SJA XI 24 19 46 47.9–.63 22.47S 68.56W 133–4 4.3L,4.2W ¶621460285
VAO XI 24 19 46 48.8–.55 22.40S 68.52W 114 4.7b,4.2W
GUC XI 24 19 46 49.8–.83 22.45S 68.55W 119–4 4.5L,4.2W
NEIC XI 24 19 46 49.4–1.4 22.49S–.05 68.54W–.06 112–5 4.6b,4.5
IDC XI 24 19 46 49.1–2.3 22.54S 68.18W 97–20 4.5,4.3b
GFZ XI 24 19 46 50.1–.17 22S–2.0 69W–4.0 112–4 5.3b,4.7
ISC Event type se.
SJA Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 24 04 09 05.2–1.4 18.46S–.06 69.8W–.10 114 24 0-4
SJA XI 24 04 08 33.9–.66 17.49S 69.46W 370–15 3.7L,3.6W ¶625537333
GUC XI 24 04 09 08.5–.66 18.58S 69.74W 78–4 2.8L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.8km s-min=16.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=3.8km az=-1.0. Presumed earthquake.
ISC XI 24 12 20 15.4–.96 20.17S–.03 69.03W–.05 103–6 67 0-77
SJA XI 24 12 20 14.2–.56 20.17S 69.00W 107–2 3.9L,3.7W ¶621613978
GUC XI 24 12 20 14.8–.84 20.18S 69.01W 102–3 3.8L,3.7W
IDC XI 24 12 20 16.5–8.6 20.18S 68.39W 118–61 3.6,3.3b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=77.4km s-min=46.1km az=29.0.
ISC XI 24 12 30 55.6–.78 25.46S–.03 69.07W–.04 111–7 74 1-149
IDC XI 24 12 30 53.7–2.6 25.54S 68.70W 81–20 4.0,3.6b ¶621613980
SJA XI 24 12 30 54.7–.69 25.50S 69.11W 120 3.6L,3.6W
GUC XI 24 12 30 54.9–.72 25.50S 69.15W 131–6 3.7L,3.6W
ISC Event type se.
IDC Error ellipse: s-maj=59.1km s-min=15.2km az=98.0.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0. Presumed earthquake.
ISC XI 30 11 14 41.7–.68 24.73S–.03 69.46W–.04 103–7 4.0b 137 1-148
SJA XI 30 11 14 41.8–.90 24.73S 69.50W 108 4.1L,3.9W ¶621532514
NEIC XI 30 11 14 42.3–1.1 24.74S–.04 69.54W–.07 115–6 4.2b,4.2L
IDC XI 30 11 14 42.5–2.3 24.68S 69.17W 83–21 3.9,3.5b
GUC XI 30 11 14 43.3–.68 24.72S 69.43W 93–5 4.2L,3.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.0km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.0km s-min=14.3km az=94.0.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0. Presumed earthquake.
ISC XI 24 23 14 32.3–.32 20.50S–.03 69.12W–.04 101–2 4.7b 325 0-163
NEIC XI 24 23 14 32.3–2.0 20.57S–.03 69.07W–.06 95–3 4.8b,4.7 ¶621464948
GUC XI 24 23 14 32.6–.83 20.52S 69.18W 98–3 4.9L,4.7
VAO XI 24 23 14 32.1–.42 20.43S 68.98W 95 5.0b,4.7
SJA XI 24 23 14 32.5–.56 20.54S 69.08W 35–3 4.7L,4.5W
NEIC XI 24 23 14 32.1 20.55S 69.08W 96 4.7L,4.5W
IDC XI 24 23 14 33.5–.37 20.41S 69.00W 104–3 4.6,4.2b
GFZ XI 24 23 14 34.1–.23 21S–2.0 69W–6.0 87–3 5.3b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-6.33 $M_{\theta\theta}$-2.89 $M_{\phi\phi}$9.23 $M_{r\theta}$3.04
$M_{\theta\phi}$-2.00 $M_{\phi r}$-3.70 NP1:ϕ_s196.71000°,δ36.92000°,λ-49.36000°. NP2:ϕ_s329.68000°
,δ62.88000°,λ-116.08000°. Principal axes: T 10.5845,Plg14.0000°,Azm78.0000°
; N -2.1743,Plg23.0000°,Azm342.0000°; P -8.4102,Plg63.0000°,Azm197.0000°
$M_0$9.68000×10^{15}
GUC Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 27 07 11 12.2–1.3 20.59S–.03 69.00W–.06 96–11 61 1-5
SJA XI 27 07 11 09.7–.67 20.57S 68.99W 110–4 3.8L,3.7W ¶625537399
GUC XI 27 07 11 11.1–.62 20.59S 68.95W 105–3 3.7L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0. Presumed earthquake.
ISC XI 28 23 49 31.2–1.6 22.31S–.04 68.79W–.07 119–12 39 1-5
SJA XI 28 23 49 31.0 22.34S 68.88W 127 3.0L ¶625537417
GUC XI 28 23 49 32.4–.60 22.30S 68.79W 111–3 2.9L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0. Presumed earthquake.
ISC XI 27 04 06 05.0–.64 22.20S–.03 68.79W–.04 135–7 115 1-68
VAO XI 27 04 06 02.5–.77 22.28S 69.02W 131 4.5b ¶621480040
GUC XI 27 04 06 05.9–.79 22.15S 68.76W 126–6 3.8L
SJA XI 27 04 06 05.2–1.0 22.17S 68.80W 130 3.8L,3.8W
NEIC XI 27 04 06 06.1–1.4 22.18S–.04 68.78W–.08 125–7 4.4b,3.8L
ISC Event type se.
VAO Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 01 13 18.5–.63 22.45S–.02 69.49W–.04 97–5 4.3b 113 0-78
SJA XI 30 01 13 17.7–.75 22.48S 69.47W 98–3 3.8L,3.8W ¶621499079
NEIC XI 30 01 13 19.3–1.3 22.47S–.03 69.48W–.05 89–3 4.3b,4.0L
GUC XI 30 01 13 19.5–.80 22.48S 69.46W 91–3 4.0L,4.0L

VAO XI 30 01 13 24.2–2.0 22.40S 68.20W 49–10 4.3b,4.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=77.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.2km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=12.4km s-min=15.6km az=-1.0. Presumed earthquake.
ISC XII 01 11 46 45.1–1.3 22.69S–.03 68.69W–.04 125–8 65 1-5
SJA XII 01 11 46 44.9–.57 22.72S 68.70W 125–3 3.4L,3.4W **¶625752531**
GUC XII 01 11 46 46.0–.83 22.68S 68.64W 116–4 3.5L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0. Presumed earthquake.
ISC XII 01 00 12 13.7–1.6 18.64S–.04 69.88W–.06 77–10 36 0-4
SJA XII 01 00 12 10.5–.66 18.61S 69.82W 94–3 3.6W,3.5L **¶625752524**
GUC XII 01 00 12 12.0–.90 18.56S 69.76W 88–5 3.0L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=4.3km az=-1.0. Presumed earthquake.
ISC XII 01 18 25 41.2–.42 19.24S–.03 69.17W–.04 116–3 5.0b 295 0-165
NEIC XII 01 18 25 41.8–2.1 19.27S–.04 69.24W–.06 119–3 5.0b,4.7 **¶621590454**
SJA XII 01 18 25 41.1–.65 19.23S 69.23W 117–3 4.8L,4.5W
VAO XII 01 18 25 41.4–.41 19.15S 69.11W 118 4.5b,4.5W
GUC XII 01 18 25 42.5–.79 19.25S 69.18W 110–3 4.9L,4.5W
IDC XII 01 18 25 43.0–.64 19.14S 68.99W 124–5 4.5,4.1b
GFZ XII 01 18 25 43.0–.23 19S–2.0 69W–6.0 109–2 5.4b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 02 13 50 25.4–.64 27.60S–.03 69.07W–.03 122–5 4.4b 129 1-150
SJA XII 02 13 50 25.1–.67 27.57S 69.05W 108–6 4.0L,3.9W **¶621629891**
NEIC XII 02 13 50 25.9–1.6 27.62S–.05 69.12W–.10 119–3 4.4b,4.2L
GUC XII 02 13 50 26.1–.63 27.59S 69.19W 126–4 4.2L,4.2L
IDC XII 02 13 50 27.6–.84 27.78S 68.92W 124–5 4.2,3.9b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.6km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=38.3km s-min=11.6km az=89.0.
ISC XII 07 06 09 44.1–.86 19.13S–.03 69.41W–.07 118–7 55 0-89
SJA XII 07 06 09 43.8–.62 19.13S 69.53W 123–2 3.6L,3.6W **¶621632642**
IDC XII 07 06 09 45.3–7.1 19.16S 69.20W 130–48 3.5,3.1b
GUC XII 07 06 09 45.3–.91 19.10S 69.46W 114–3 3.5L,3.1b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=72.2km s-min=32.2km az=42.0.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=4.4km az=-1.0. Presumed earthquake.
ISC XII 06 17 18 41.7–1.4 22.52S–.03 68.86W–.05 124–9 50 1-5
SJA XII 06 17 18 40.5–.71 22.52S 68.78W 123–4 3.7W,3.6L **¶625752687**
GUC XII 06 17 18 42.3–.53 22.49S 68.77W 112–4 3.7L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.3km az=-1.0. Presumed earthquake.
ISC XII 09 08 29 22.8–1.5 22.17S–.03 68.60W–.05 127–12 59 1-4
SJA XII 09 08 29 21.9–.65 22.12S 68.53W 121–6 3.5W,3.3L **¶625752733**
GUC XII 09 08 29 23.8–.91 22.16S 68.51W 110–8 3.4L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=5.4km az=-1.0. Presumed earthquake.
ISC XII 10 18 38 11.4–1.5 20.54S–.03 69.29W–.07 113–9 56 1-3
SJA XII 10 18 38 11.0–.61 20.52S 69.21W 106–4 3.6W,3.4L **¶625752772**
GUC XII 10 18 38 12.5–.64 20.53S 69.17W 100–3 3.2L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0. Presumed earthquake.
ISC XII 09 03 02 24.5–1.4 25.50S–.03 69.10W–.06 126–16 41 1-5
GUC XII 09 03 02 24.7–.79 25.50S 69.11W 122–10 2.7L **¶625752727**
SJA XII 09 03 02 25.0–1.5 25.50S 69.16W 115 3.0W,2.7L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=6.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=6.8km az=-1.0. Presumed earthquake.
ISC XII 11 11 26 59.1–2.0 18.29S–.06 69.92W–.08 123–11 36 0-5
SJA XII 11 11 26 58.4–.81 18.29S 69.87W 125–5 3.2W,2.9L **¶625752786**
GUC XII 11 11 27 00.2–.58 18.22S 69.79W 109–9 3.0L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=5.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.2km s-min=6.1km az=-1.0. Presumed earthquake.
GUC XII 12 12 22 06.9–.84 20.86S 69.18W 110–3 3.3L
¶625752847
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0. Presumed earthquake.
ISC XII 11 22 34 07.0–.74 20.89S–.03 69.17W–.06 123–6 89 0-25
SJA XII 11 22 34 06.5–.74 20.92S 69.11W 120–8 4.0L,3.7W **¶621627622**
NEIC XII 11 22 34 07.7–1.3 20.91S–.04 69.08W–.09 116–5 4.1b,3.9L
GUC XII 11 22 34 08.2–.84 20.85S 69.14W 112–3 3.9L,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=6.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=3.4km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0. Presumed earthquake.
ISC XII 22 20 52 41.6–.93 22.04S–.03 69.07W–.05 113–7 61 0-146
IDC XII 22 20 52 39.2–7.4 22.43S 68.19W 81–60 3.5L,3.5 **¶621686788**
SJA XII 22 20 52 40.0–.75 22.05S 69.01W 120–5 4.0L,4.0W
GUC XII 22 20 52 42.1–.85 22.05S 68.95W 103–3 3.8L,4.0W
ISC Event type se.
IDC Error ellipse: s-maj=88.7km s-min=45.4km az=160.0.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0. Presumed earthquake.
ISC XII 13 19 41 37.0–1.5 19.96S–.03 69.20W–.06 87–7 51 0-3
GUC XII 13 19 41 35.8–.72 19.95S 69.15W 95–3 3.4L **¶625752879**
SJA XII 13 19 41 35.0–.59 19.95S 69.22W 96–2 3.5W,3.4L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=4.0km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0. Presumed earthquake.
ISC XII 16 13 28 50.0–.56 20.79S–.03 69.17W–.04 112–5 4.2b 185 0-146
NEIC XII 16 13 28 50.6–1.5 20.78S–.04 69.17W–.06 112–3 4.5b,4.2L **¶621631356**
SJA XII 16 13 28 50.0–.74 20.78S 69.20W 112–3 4.3L,4.0W
IDC XII 16 13 28 51.5–2.4 20.70S 68.93W 106–22 3.9,3.5b
GUC XII 16 13 28 51.4–.79 20.77S 69.18W 108–3 4.2L,3.5b
GFZ XII 16 13 28 51.7–.27 21S–2.0 69W–5.0 105–5 4.6L,4.5
VAO XII 16 13 28 58.0–1.6 20.52S 68.48W 126–8 4.5b,4.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.9km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=24.5km s-min=17.0km az=103.0.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=8.0km s-min=12.8km az=-1.0. Presumed earthquake.
ISC XII 16 13 48 22.7–.45 22.03S–.03 68.73W–.03 128–4 4.6b 219 1-146
SJA XII 16 13 48 22.5–.62 21.97S 68.72W 130–4 4.4L,4.2W **¶621631355**
NEIC XII 16 13 48 23.0–1.9 21.98S–.04 68.71W–.06 126–5 4.6b,4.4L
GFZ XII 16 13 48 23.2–.21 22S–2.0 69W–5.0 138–5 5.1b,4.7
VAO XII 16 13 48 23.8–1.3 22.00S 68.93W 177 4.4b,4.7
IDC XII 16 13 48 24.0–.65 21.94S 68.45W 124–6 4.1,3.7b
GUC XII 16 13 48 24.3–.71 21.99S 68.69W 119–3 4.4L,3.7b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.5km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=7.4km s-min=13.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.5km s-min=15.7km az=91.0.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0. Presumed earthquake.
ISC XII 22 10 53 47.1–1.5 20.27S–.03 69.38W–.06 114–8 53 0-3
SJA XII 22 10 53 46.0–.57 20.26S 69.33W 115–2 3.5L,3.4W **¶625753075**
GUC XII 22 10 53 47.6–.85 20.25S 69.30W 112–3 3.3L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.4km az=-1.0. Presumed earthquake.
ISC XII 13 10 39 54.8–1.5 25.95S–.03 69.43W–.05 130–13 36 1-3
SJA XII 13 10 39 54.2–1.5 25.96S 69.44W 116–9 3.6W,3.4L **¶625752872**
GUC XII 13 10 39 55.1–.76 25.91S 69.44W 128–9 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=5.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=7.0km az=-1.0. Presumed earthquake.
ISC XII 24 17 42 51.1–.55 22.32S–.03 68.53W–.04 111–5 4.7b 314 1-154
IDC XII 24 17 42 48.8–2.8 22.25S 68.41W 82–25 4.4,4.1b **¶621652986**
SJA XII 24 17 42 49.9–.75 22.33S 68.59W 130–5 4.7L,4.4W
VAO XII 24 17 42 51.9–.83 22.20S 68.33W 115–6 4.9b,4.4W
NEIC XII 24 17 42 51.8–1.6 22.32S–.04 68.58W–.06 110–5 4.7,4.7b
GUC XII 24 17 42 51.5–.78 22.30S 68.60W 119–3 4.6L,4.7b
GFZ XII 24 17 42 51.3–.17 22S–2.0 69W–3.0 114–4 5.3b,5.0
ISC Event type se.
SJA Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 29 09 38 10.9–.69 23.97S–.04 68.08W–.04 128–7 155 1-147
SJA XII 29 09 38 10.9–.65 23.92S 68.09W 141–6 4.1W,4.0L **¶621656528**
IDC XII 29 09 38 10.7–2.3 23.92S 67.84W 109–21 4.3,4.0b
NEIC XII 29 09 38 11.0–1.3 23.95S–.02 68.0W–.10 127–11 4.3b,4.3L
GFZ XII 29 09 38 11.6–.21 24S–2.0 68W–4.0 146–6 5.0b,4.7
GUC XII 29 09 38 12.2–.75 23.88S 68.11W 136–5 4.3L,4.7
VAO XII 29 09 38 13.6–2.4 23.78S 67.77W 133–12 4.2b,4.7
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=37.6km s-min=20.2km az=107.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=2.5km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=2.9km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=15.6km s-min=15.5km az=-1.0. Presumed earthquake.
ISC XII 30 22 03 26.9–.92 20.03S–.03 69.19W–.06 96–5 68 0-152
SJA XII 30 22 03 26.0–.72 20.04S 69.20W 100–2 3.7L,3.6W **¶621726031**
GUC XII 30 22 03 27.3–.76 20.02S 69.14W 95–2 3.5L,3.6W
IDC XII 30 22 03 29.4–8.3 19.99S 68.80W 122–61 3.8,3.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=92.7km s-min=38.7km az=52.0.
ISC XII 30 16 37 34.4–.34 19.65S–.03 69.20W–.04 102–3 4.8b 387 0-169
SJA XII 30 16 37 33.9–.61 19.63S 69.25W 110–3 5.1L,4.7W **¶621657534**
VAO XII 30 16 37 34.4–.69 19.55S 68.95W 96–5 5.2b,4.7W
NEIC XII 30 16 37 35.4 19.65S 69.28W 100 5.2b,4.7W
IDC XII 30 16 37 35.7–.48 19.65S 69.19W 109–3 4.6,4.2b
GFZ XII 30 16 37 35.3–.18 20S–2.0 69W–3.0 90–3 5.4b,5.0
NEIC XII 30 16 37 35.0–1.5 19.65S–.04 69.23W–.06 102–3 4.9,4.9b
GUC XII 30 16 37 35.1–.83 19.61S 69.21W 105–3 4.8L,4.9b
GCMT XII 30 16 37 39.4–.40 19.65S–.02 69.21W–.03 130–3 5.0W,4.9b
ISC Event type se.
SJA Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.75 $M_{\theta\theta}$0.08 $M_{\phi\phi}$1.67 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.64 $M_{\phi r}$-1.77 NP1:ϕ_s354.34000°,δ67.48000°,λ-78.41000°. NP2:ϕ_s146.17000° ,δ25.19000°,λ-115.85000°. Principal axes: T 2.5618,Plg22.0000°,Azm76.0000° ; N -0.0316,Plg11.0000°,Azm170.0000°; P -2.5303,Plg66.0000°,Azm284.0000° $M_0$2.55000×10^{16}
GUC Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112301637A. Moment Tensor Solution. s29,c35; s86,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.70±.14 $M_{\theta\theta}$-0.31±.15; $M_{\phi\phi}$3.01±.19; $M_{r\theta}$0.25±.10; $M_{\theta\phi}$-1.47±.16; $M_{\phi r}$-2.61±.14; Best double couple: NP1:ϕ_s143.00000°,δ27.00000° ,λ-115.00000°. NP2:ϕ_s351.00000°,δ66.00000°,λ-78.00000°. Principal axes: T 4.4700,Plg20.0000°,Azm72.0000°; N -0.7270,Plg11.0000°,Azm166.0000° ; P -3.7420,Plg67.0000°,Azm284.0000° $M_0$4.10600×10^{16}
ISC XII 31 19 57 28.0–.55 19.39S–.02 69.92W–.05 74–4 4.0b 116 0-151
IDC XII 31 19 57 27.7–1.1 19.58S 69.81W 77–6 3.8,3.5b **¶621726082**
SJA XII 31 19 57 27.8–.70 19.39S 69.91W 75–2 4.0L,3.9W
NEIC XII 31 19 57 28.8–.99 19.39S–.03 69.95W–.06 73–4 4.1b,3.8L
GUC XII 31 19 57 29.1–.89 19.36S 69.87W 75–3 3.8L,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=29.1km az=100.0.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.5km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0. Presumed earthquake.
ISC XII 31 15 54 08.9–.73 24.23S–.03 69.64W–.05 94–8 3.8b 109 1-148
SJA XII 31 15 54 07.7–.58 24.22S 69.64W 100–4 3.8L,3.8W **¶621657724**
IDC XII 31 15 54 08.2–2.6 24.23S 69.20W 69–23 3.8,3.5b
NEIC XII 31 15 54 09.8–1.7 24.17S–.04 69.63W–.07 96–8 4.1b,3.9L
GUC XII 31 15 54 10.5–.63 24.18S 69.58W 85–3 3.9L,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=35.1km s-min=15.0km az=99.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.1km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=3.0km az=-1.0. Presumed earthquake.

(124) Chile-Bolivia border region.

ISC VII 01 13 50 52.1–1.8 21.14S–.04 67.37W–.04 166–19 39 2-5
SJA VII 01 13 50 49.5–.73 21.17S 67.39W 200–9 3.2W,2.8L **¶625421515**
SCB VII 01 13 50 52.8–1.2 21.11S 67.36W 130–21 3.1L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=3.1km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=4.5km s-min=3.1km az=0.0.
ISC VII 02 18 05 42.3–.69 20.92S–.03 68.89W–.05 104–7 4.0b 107 1-145
SJA VII 02 18 05 40.7–.67 20.92S 68.82W 120–6 3.9L,3.9W **¶620714077**

NEIC VII 02 18 05 42.9–.78 20.92S–.03 68.9W–.20 107–8 4.0b,3.9L
GUC VII 02 18 05 42.1–.84 20.93S 68.87W 105–5 3.9L,3.9L
IDC VII 02 18 05 45.9–3.2 20.80S 69.28W 128–30 4.1,3.8b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=5.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=3.4km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=103.6km s-min=20.9km az=92.0.
ISC VII 02 22 25 00.4–.66 21.40S–.03 68.67W–.05 122–7 3.9b 125 1-145
IDC VII 02 22 24 59.5–2.5 21.57S 68.10W 84–24 4.0,3.9b **¶620733156**
SJA VII 02 22 24 59.6–.70 21.36S 68.71W 131–4 3.8L,3.8W
GUC VII 02 22 25 00.4–.88 21.37S 68.69W 116–5 3.9L,3.8W
NEIC VII 02 22 25 00.7–1.1 21.39S–.04 68.74W–.06 126–7 4.0b,3.9L
VAO VII 02 22 25 01.6–2.1 21.35S 68.92W 180–13 4.1b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=45.8km s-min=17.4km az=104.0.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.2km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=9.5km s-min=24.5km az=-1.0. Presumed earthquake.
ISC VII 03 02 52 38.3–1.9 22.61S–.04 67.01W–.06 217–15 55 1-5
SJA VII 03 02 52 38.9–.75 22.56S 66.96W 206–7 3.5L,3.3W **¶624631747**
GUC VII 03 02 52 41.0–.73 22.58S 67.36W 239–14 3.5L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.2km s-min=12.9km az=-1.0. Presumed earthquake.
ISC VII 03 14 38 41.8–.69 22.30S–.04 67.53W–.03 170–7 3.7b 129 1-82
IDC VII 03 14 38 41.6–1.9 22.21S 67.42W 163–20 3.9,3.4b **¶620927811**
SJA VII 03 14 38 41.0–.75 22.20S 67.53W 190 3.9L,3.7W
NEIC VII 03 14 38 42.0–2.2 22.25S–.06 67.6W–.10 184–11 4.3b,4.2L
GUC VII 03 14 38 43.6–.75 22.27S 67.70W 192–9 4.2L,4.2L
SCB VII 03 14 38 44.6–1.5 22.25S 67.56W 115–24 5.2b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=14.1km az=87.0.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.7km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=6.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.3km s-min=3.6km az=0.0.
ISC VII 04 22 27 14.0–1.8 21.20S–.04 67.59W–.04 178–16 57 2-5
SJA VII 04 22 27 14.3–.85 21.18S 67.69W 185 3.0W,2.7L **¶625421575**
SCB VII 04 22 27 15.2–.90 21.18S 67.60W 158–9 3.0L,2.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=4.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=3.5km s-min=2.0km az=0.0.
ISC VII 06 03 48 06.9–1.6 21.74S–.03 68.42W–.05 150–13 58 1-5
SJA VII 06 03 48 07.0–.68 21.75S 68.43W 144 3.6W,3.2L **¶624631908**
GUC VII 06 03 48 08.9–.61 21.74S 68.41W 135–5 3.5L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.7km az=-1.0. Presumed earthquake.
ISC VII 06 14 43 41.0–1.3 21.80S–.05 67.22W–.04 180 35 2-6
SJA VII 06 14 43 38.0 21.76S 67.16W 228 3.4L **¶625421632**
SCB VII 06 14 43 40.3–1.2 21.85S 67.21W 181–9 3.7L
ISC Event type se.
SJA Event type se. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=0.0.
ISC VII 07 17 28 14.6–.32 21.11S–.02 68.64W–.03 115–3 4.9b 422 1-168
VAO VII 07 17 28 13.9–.33 21.05S 68.54W 107 4.8b **¶620758700**
SJA VII 07 17 28 13.8–.62 21.12S 68.79W 135–3 4.8L,4.4W
NEIC VII 07 17 28 14.7 21.15S 68.72W 118 4.8L,4.4W
GFZ VII 07 17 28 15.0–.18 21S–2.0 69W–4.0 127–4 4.9,4.8b
NEIC VII 07 17 28 14.7–1.9 21.14S–.03 68.70W–.06 118–5 4.9b,4.7
IDC VII 07 17 28 15.7–.35 21.06S 68.27W 117–3 4.5,4.0b
GUC VII 07 17 28 15.0–.82 21.15S 68.70W 127–5 4.7L,4.0b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.2km az=-1.0. Presumed earthquake.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=2.9km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-0.01 $M_{r\theta}$0.72 $M_{\theta\phi}$-0.06 $M_{\phi r}$-1.22 NP1:ϕ_s323.73000°,δ81.83000°,λ-78.24000°. NP2:ϕ_s88.04000°,δ14.28000°,λ-144.85000°. Principal axes: T 1.3367,Plg36.0000°,Azm43.0000°; N 0.3308,Plg12.0000°,Azm142.0000°; P -1.6674,Plg52.0000°,Azm247.0000° $M_0$1.53000×10^{16}
IDC Error ellipse: s-maj=13.8km s-min=10.0km az=71.0.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VII 08 23 13 16.3–.50 21.94S–.03 68.57W–.04 128–5 4.2b 159 1-146
SJA VII 08 23 13 14.3–.67 21.94S 68.52W 136–4 4.2L,4.1W **¶620928206**
VAO VII 08 23 13 16.9–1.6 21.99S 68.92W 193–13 4.4b,4.1W
NEIC VII 08 23 13 16.6–1.9 21.96S–.04 68.66W–.06 125–7 4.4b,4.4L
GUC VII 08 23 13 17.0–.80 21.94S 68.66W 134–4 4.4L,4.4L
IDC VII 08 23 13 17.8–2.0 21.94S 68.25W 121–18 4.2,3.9b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=3.6km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=8.0km s-min=17.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.8km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.3km s-min=15.1km az=88.0.
ISC VII 09 05 05 31.1–.25 20.27S–.03 68.73W–.03 116–2 5.5b 699 0-178
MOS VII 09 05 05 28.7–.93 19.98S 68.56W 96 5.5b **¶620783828**
SJA VII 09 05 05 30.3–1.0 20.31S 68.86W 123–4 5.0W,4.9L
NEIC VII 09 05 05 30.6–1.8 20.32S–.04 68.72W–.08 108–5 5.7b,5.3
GFZ VII 09 05 05 30.8 20.37S 68.67W 99 5.2W,5.3
GFZ VII 09 05 05 30.8–.17 20S–2.0 69W–3.0 111–2 5.3,5.3b
VAO VII 09 05 05 30.1–.36 20.26S 68.62W 111 5.4b,5.3b
NEIC VII 09 05 05 31.2 20.33S 68.79W 114 5.4b,5.3b
NEIC VII 09 05 05 31.2 20.33S 68.79W 114 5.4b,5.3b
GUC VII 09 05 05 31.4–.81 20.34S 68.73W 114–4 5.0L,5.3b
IDC VII 09 05 05 32.6–.44 20.21S 68.58W 124–3 5.1,4.7b
GCMT VII 09 05 05 35.2–.10 20.29S–.01 68.74W–.01 130–1 5.2W,4.7b
NEIC VII 09 05 05 36.2 20.33S 68.79W 110 5.2,4.7b
ISC Event type se.
MOS Error ellipse: s-maj=14.0km s-min=8.7km az=119.0.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=3.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.2km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.72 $M_{\theta\theta}$1.58 $M_{\phi\phi}$5.14 $M_{r\theta}$0.34 $M_{\theta\phi}$0.97 $M_{\phi r}$-7.36 NP1:ϕ_s1.73000°,δ70.45000°,λ-96.00000°. NP2:ϕ_s199.17000°,δ20.42000°,λ-73.60000°. Principal axes: T 8.7391,Plg25.0000°,Azm96.0000°; N 1.5465,Plg6.0000°,Azm4.0000°; P -10.2856,Plg64.0000°,Azm262.0000° $M_0$9.61000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.98 $M_{\theta\theta}$1.67 $M_{\phi\phi}$5.32 $M_{r\theta}$-0.93 $M_{\theta\phi}$-0.13 $M_{\phi r}$-5.00 NP1:ϕ_s175.09623°,δ25.58550°,λ-99.38996°. NP2:ϕ_s5.48588°,δ64.78153°,λ-85.53318°. Principal axes: T 7.1023,Plg19.6633°,Azm92.1333°; N 1.7406,Plg4.0403°,Azm183.5795°; P -8.8428,Plg69.8921°,Azm284.7037° $M_0$8.11381×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
VAO Event type se. Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=4.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=13.7km s-min=9.5km az=58.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107090505A. Moment Tensor Solution. s114,c168; s141,c251;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73±.01 $M_{\theta\theta}$0.09±.01; $M_{\phi\phi}$0.64±.02; $M_{r\theta}$-0.14±.01; $M_{\theta\phi}$-0.08±.01; $M_{\phi r}$-0.60±.01; Best double couple: NP1:ϕ_s162.00000°,δ26.00000°,λ-111.00000°. NP2:ϕ_s5.00000°,δ66.00000°,λ-80.00000°. Principal axes: T 0.8640,Plg20.0000°,Azm88.0000°; N 0.1170,Plg9.0000°,Azm181.0000°; P -0.9810,Plg68.0000°,Azm293.0000° $M_0$0.92300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.31 $M_{\theta\theta}$1.17 $M_{\phi\phi}$5.13 $M_{r\theta}$0.07 $M_{\theta\phi}$-0.39 $M_{\phi r}$-4.42 NP1:ϕ_s172.95000°,δ26.25000°,λ-93.74000°. NP2:ϕ_s357.12000°,δ63.81000°,λ-88.16000°. Principal axes: T 6.6725,Plg19.0000°,Azm86.0000°; N 1.1473,Plg2.0000°,Azm176.0000°; P -7.8198,Plg71.0000°,Azm271.0000° $M_0$7.31000×10^{16}
ISC VII 09 05 35 01.5–1.4 20.37S–.03 68.94W–.05 119–8 61 0-4
SJA VII 09 05 34 59.2–.68 20.34S 68.83W 126–4 3.5L,3.5W **¶624631976**
GUC VII 09 05 35 00.7–.42 20.34S 68.75W 116–2 3.4L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=4.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0. Presumed earthquake.
ISC VII 09 05 54 37.0–1.3 21.18S–.06 67.29W–.04 150 22 2-5
SJA VII 09 05 54 07.0 19.43S 66.84W 415 3.3L **¶625421713**
SCB VII 09 05 54 35.4–1.3 21.24S 67.30W 163–15 2.7L
ISC Event type se.
SJA Event type se. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.9km s-min=3.2km az=0.0.
ISC VII 09 15 58 21.5–1.4 21.19S–.03 68.83W–.05 128–10 62 1-5
SJA VII 09 15 58 20.7–.63 21.17S 68.86W 130–3 3.7L,3.7W **¶624631981**
GUC VII 09 15 58 22.3–.73 21.20S 68.78W 121–3 3.6L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VII 11 15 39 07.1–2.1 21.28S–.06 67.98W–.05 156–22 30 1-5
SCB VII 11 15 39 06.4–1.4 21.34S 67.97W 152–15 5.9b,3.2L **¶624632025**
GUC VII 11 15 39 07.4–.66 21.23S 68.16W 179–13 3.0L,3.2L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=10.7km az=-1.0. Presumed earthquake.
ISC VII 13 15 44 14.3–.55 22.11S–.03 67.48W–.03 184–5 4.3b 229 1-145
IDC VII 13 15 44 13.6–1.6 22.09S 67.28W 163–15 4.3,3.8b **¶620816275**
VAO VII 13 15 44 13.7–.45 22.11S 67.55W 193 4.4b,3.8b
SJA VII 13 15 44 14.3–.79 22.09S 67.43W 184–5 3.9L,3.9W
NEIC VII 13 15 44 14.7–1.2 22.12S–.04 67.50W–.08 191–6 4.5b,4.4L
SCB VII 13 15 44 15.9–1.2 22.16S 67.46W 159–16 4.9b,4.4L
GUC VII 13 15 44 15.6–.71 22.11S 67.66W 204–7 4.4L,4.4L
GFZ VII 13 15 44 16.2–.63 22S–3.0 68W–6.0 198–10 4.5,4.5
ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 14 22 16 39.4–.62 21.68S–.03 68.41W–.04 129–6 4.3b 141 1-133
SJA VII 14 22 16 38.5–.66 21.70S 68.47W 141–5 3.9L,3.8W **¶620829336**
NEIC VII 14 22 16 40.4–1.4 21.71S–.05 68.53W–.07 129–3 4.3b,4.1L
GUC VII 14 22 16 40.4–.64 21.73S 68.50W 135–5 4.1L,4.1L
IDC VII 14 22 16 41.1–2.7 21.60S 68.09W 132–24 4.0,3.7b
VAO VII 14 22 16 46.5–.91 21.37S 67.83W 151 4.3b,3.7b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.5km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=25.8km s-min=20.0km az=63.0.
VAO Event type se. Error ellipse: s-maj=5.4km s-min=9.2km az=-1.0. Presumed earthquake.
ISC VII 15 03 27 28.1–1.7 21.07S–.04 68.58W–.07 147–14 46 1-5
SJA VII 15 03 27 26.8–.68 21.03S 68.51W 146 3.6W,3.4L **¶624632078**
GUC VII 15 03 27 28.7–.60 21.04S 68.47W 138–5 3.4L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.4km az=-1.0. Presumed earthquake.
ISC VII 15 04 53 57.3–1.1 21.22S–.04 68.6W–.10 137–11 23 1-145
IDC VII 15 04 53 57.8–9.0 21.22S 68.55W 141–68 3.8,3.4b **¶620928625**
GUC VII 15 04 53 58.3–.73 21.21S 68.51W 126–7 3.1L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=106.3km s-min=76.9km az=83.0.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=5.8km az=-1.0. Presumed earthquake.
ISC VII 17 00 59 52.4–.62 21.73S–.03 68.53W–.04 149–6 4.7b 129 1-164
NEIC VII 17 00 59 52.7–.85 21.72S–.05 68.56W–.09 147–7 4.6b,4.5L **¶620833033**
SJA VII 17 00 59 52.3–1.3 21.73S 68.48W 139 4.4L,4.1W
GUC VII 17 00 59 53.8–.67 21.73S 68.44W 128–3 4.5L,4.1W
IDC VII 17 00 59 54.1–3.4 21.78S 67.81W 118–35 4.4b,4.4
VAO VII 17 00 59 55.0–1.6 21.56S 68.20W 144–9 4.5b,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.8km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=4.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=50.5km s-min=28.3km az=107.0.
VAO Event type se. Error ellipse: s-maj=8.2km s-min=17.1km az=-1.0. Presumed earthquake.
ISC VII 17 23 21 12.4–2.0 21.97S–.04 68.58W–.08 156–18 36 1-3
SJA VII 17 23 21 11.7–2.7 21.95S 68.33W 132 3.5L,3.5W **¶624632112**
GUC VII 17 23 21 14.0–.76 21.98S 68.52W 140–7 3.4L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.8km s-min=19.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=4.5km az=-1.0. Presumed earthquake.
ISC VII 18 13 46 38.8–.61 20.41S–.03 68.93W–.05 110–5 4.3b 105 0-145
IDC VII 18 13 46 36.0–4.3 20.79S 68.81W 86–31 3.9,3.5b **¶620833377**
SJA VII 18 13 46 38.6–.89 20.43S 68.99W 112–4 3.9L,3.9W
NEIC VII 18 13 46 39.0–.92 20.43S–.04 68.90W–.07 110–2 4.3b,4.1L
GUC VII 18 13 46 39.8–.78 20.42S 68.93W 110–4 4.1L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=51.0km s-min=31.8km az=57.0.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.7km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VII 20 01 41 23.1–1.8 22.18S–.05 67.52W–.05 183–16 44 2-9
SCB VII 20 01 41 24.2–1.6 22.19S 67.52W 163–15 3.4L **¶624632160**
GUC VII 20 01 41 25.4–.68 22.16S 67.80W 202–10 3.5L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=9.0km az=-1.0. Presumed earthquake.
ISC VII 21 16 23 57.0–.26 21.65S–.03 68.62W–.04 106–2 5.0b 425 1-161
VAO VII 21 16 23 44.1–.36 21.79S 68.89W 10 5.2b **¶620842808**
NEIC VII 21 16 23 56.9 21.72S 68.67W 102 5.2b
GUC VII 21 16 23 56.7–.77 21.71S 68.71W 108–4 5.0L
SJA VII 21 16 23 56.4–1.5 21.70S 68.75W 117–11 4.8L,4.7W
GFZ VII 21 16 23 57.4–.18 22S–2.0 69W–4.0 101–5 5.2,5.0b
NEIC VII 21 16 23 57.1–1.9 21.71S–.04 68.66W–.06 104–3 5.0b,4.9
IDC VII 21 16 23 57.5–.40 21.64S 68.44W 108–3 4.6,4.4s
GCMT VII 21 16 24 02.2–.40 21.76S–.03 68.51W–.03 109–7 5.0W,4.4s
ISC Event type se.

VAO Event type se. Presumed earthquake.
NEIC Event type se.
GUC Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$0.53 $M_{r\theta}$0.03 $M_{\theta\phi}$0.05 $M_{\phi r}$-2.07 NP1:ϕ_s198.42000°,δ5.21000°,λ-70.50000°. NP2:ϕ_s358.85000°,δ85.09000°,λ-91.74000°. Principal axes: T 2.2749,Plg40.0000°,Azm90.0000°; N -0.3468,Plg2.0000°,Azm359.0000°; P -1.9281,Plg50.0000°,Azm267.0000° $M_0$2.12000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107211623A. Moment Tensor Solution. s12,c13; s73,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.20±.22 $M_{\theta\theta}$-0.48±.23; $M_{\phi\phi}$2.68±.30; $M_{r\theta}$-0.73±.12; $M_{\theta\phi}$0.88±.22; $M_{\phi r}$-2.52±.17; Best double couple: NP1:ϕ_s193.00000°,δ22.00000°,λ-93.00000°. NP2:ϕ_s16.00000°,δ68.00000°,λ-89.00000°. Principal axes: T 4.0160,Plg23.0000°,Azm105.0000°; N -0.7070,Plg1.0000°,Azm195.0000°; P -3.3070,Plg67.0000°,Azm288.0000° $M_0$3.66100×10^{16}

ISC	**VII**	**22 03 29 41.3–.70**	**21.84S–.03**	**68.58W–.07**	**141–7**	**4.3b**	**72**	**1-68**
NEIC	VII	22 03 29 41.5–.86	21.85S–.05	68.60W–.09	139–7	4.4b		**¶620844263**
SJA	VII	22 03 29 41.3–.52	21.82S	68.58W	134–4	3.7L,3.6W		
GUC	VII	22 03 29 43.0–.63	21.81S	68.56W	126–5	3.5L,3.6W		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.6km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**23 22 56 24.7–2.1**	**21.25S–.05**	**67.19W–.05**	**213–17**		**38**	**1-5**
SCB	VII	23 22 56 25.9–1.1	21.23S	67.19W	198–8	3.8L		**¶625422084**

ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.7km s-min=2.9km az=0.0.

ISC	**VII**	**24 05 02 30.3–1.7**	**21.34S–.03**	**68.98W–.09**	**108–13**		**46**	**1-2**
SJA	VII	24 05 02 29.5–.67	21.33S	68.99W	108–4	3.5W,3.3L		**¶624632235**
GUC	VII	24 05 02 30.3–.71	21.35S	68.89W	105–5	3.5L,3.3L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=4.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.8km az=-1.0. Presumed earthquake.

SCB	**VII**	**24 05 26 24.4–1.2**	**21.85S**	**67.22W**	**187–8**	**5.6b,3.1L**		
								¶625422105

SCB Event type se. Error ellipse: s-maj=4.6km s-min=2.7km az=0.0.

SCB	**VII**	**24 18 16 10.2–1.3**	**22.70S**	**67.78W**	**135–25**	**3.5L**		
								¶625422108

SCB Event type se. Error ellipse: s-maj=6.2km s-min=5.1km az=0.0.

ISC	**VII**	**28 15 03 21.8–.80**	**21.37S–.04**	**68.55W–.06**	**117–7**	**3.4b**	**60**	**1-145**
SJA	VII	28 15 03 20.2–.56	21.42S	68.63W	134–4	3.8L,3.7W		**¶620979622**
GUC	VII	28 15 03 21.6–.78	21.42S	68.61W	126–5	3.6L,3.7W		
IDC	VII	28 15 03 22.4–1.9	21.42S	68.12W	116–18	3.8,3.4b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=25.8km s-min=14.7km az=95.0.

ISC	**VII**	**29 18 56 34.4–1.5**	**21.77S–.03**	**68.47W–.07**	**151–12**		**51**	**1-5**
SJA	VII	29 18 56 33.8–.61	21.75S	68.39W	147–6	3.7W,3.3L		**¶624632323**
GUC	VII	29 18 56 36.0–.87	21.74S	68.35W	126–6	3.3L,3.3L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=4.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**28 10 50 11.4–1.5**	**22.29S–.04**	**67.63W–.05**	**190–13**		**76**	**1-9**
SJA	VII	28 10 50 11.9–.91	22.26S	67.61W	186	3.7L,3.7W		**¶624632289**
GUC	VII	28 10 50 13.1–.75	22.27S	67.72W	190–8	3.9L,3.7W		
SCB	VII	28 10 50 13.8–1.7	22.29S	67.53W	115–26	5.4b,3.9L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=5.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=7.0km s-min=4.0km az=0.0.

ISC	**VIII**	**03 15 44 12.9–1.8**	**22.16S–.05**	**67.36W–.05**	**214–15**		**52**	**2-9**
SJA	VIII	03 15 44 16.4–1.5	22.14S	67.44W	185	3.1W,2.7L		**¶625422368**
SCB	VIII	03 15 44 18.2–1.9	22.00S	67.41W	151–41	2.8L,2.7L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.6km s-min=9.3km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=12.8km s-min=6.0km az=0.0.

ISC	**VII**	**30 05 05 34.9–1.9**	**22.17S–.05**	**67.33W–.05**	**185–16**		**49**	**2-6**
SCB	VII	30 05 05 35.8–1.6	22.15S	67.32W	169–12	5.2b,3.4L		**¶624632338**
GUC	VII	30 05 05 36.8–.77	22.14S	67.57W	211–10	3.3L,3.4L		

ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.6km s-min=3.2km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=9.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 21 23 09.0–.82**	**20.43S–.03**	**68.99W–.06**	**99–6**		**69**	**0-77**
IDC	VII	31 21 23 07.6–2.1	20.56S	68.75W	86–21	3.7,3.3b		**¶620986152**
SJA	VII	31 21 23 08.6–.74	20.44S	69.02W	104–3	3.8L,3.8W		
GUC	VII	31 21 23 09.6–.69	20.42S	68.96W	100–2	3.7L,3.8W		

ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=15.5km az=94.0.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.3km az=-1.0. Presumed earthquake.

ISC	**VIII**	**01 05 48 11.4–1.9**	**21.16S–.06**	**67.21W–.04**	**173–21**		**46**	**1-8**
SJA	VIII	01 05 48 09.6–.61	21.13S	67.20W	188–6	3.4L,3.2W		**¶625422293**
SCB	VIII	01 05 48 10.9–1.8	21.21S	67.18W	169–25	3.1L,3.2W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=0.0.

ISC	**VIII**	**03 23 04 00.4–.64**	**21.17S–.04**	**67.42W–.04**	**192–6**	**4.1b**	**152**	**2-145**
IDC	VIII	03 23 04 00.8–1.6	21.13S	67.11W	186–15	4.1,3.6b		**¶620995916**
SCB	VIII	03 23 04 00.7–1.8	21.20S	67.38W	184–13	4.2L,3.6b		
SJA	VIII	03 23 04 00.3–.58	21.18S	67.39W	197–7	4.1L,3.7W		
NEIC	VIII	03 23 04 01.0–2.5	21.12S–.06	67.5W–.10	195–7	4.3L,4.2b		
GUC	VIII	03 23 04 02.1–.73	21.15S	67.57W	209–9	4.3L,4.2b		

ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=14.0km az=89.0.
SCB Event type se. Error ellipse: s-maj=6.3km s-min=3.4km az=0.0.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.3km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=7.9km az=-1.0. Presumed earthquake.

ISC	**VIII**	**04 07 14 03.0–.93**	**21.52S–.03**	**68.55W–.06**	**135–8**		**64**	**1-145**
SJA	VIII	04 07 14 00.9–.61	21.48S	68.41W	133–4	3.5W,3.3L		**¶620997291**
IDC	VIII	04 07 14 02.6–3.0	21.59S	68.00W	113–30	3.5,3.4b		
GUC	VIII	04 07 14 02.9–.60	21.50S	68.44W	131–4	3.5L,3.4b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=58.1km s-min=29.5km az=108.0.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.

ISC	**VIII**	**04 09 40 15.8–1.9**	**21.58S–.04**	**68.43W–.06**	**146–17**		**43**	**1-3**
SJA	VIII	04 09 40 15.0–.99	21.59S	68.41W	147–8	3.5W,3.4L		**¶624776087**
GUC	VIII	04 09 40 16.6–.62	21.58S	68.43W	141–5	3.3L,3.4L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=4.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.9km az=-1.0. Presumed earthquake.

ISC	**VIII**	**06 22 26 59.5–1.4**	**21.22S–.03**	**68.65W–.06**	**131–10**		**63**	**1-5**
SJA	VIII	06 22 27 00.4–.64	21.21S	68.81W	131–4	3.5L,3.5W		**¶624776145**
GUC	VIII	06 22 27 02.3–.84	21.21S	68.76W	119–4	3.4L,3.5W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=5.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0. Presumed earthquake.

ISC	**VIII**	**05 04 23 18.9–.81**	**21.19S–.04**	**68.77W–.08**	**138–8**	**4.2b**	**54**	**1-77**
NEIC	VIII	05 04 23 19.4–1.3	21.18S–.05	68.79W–.10	134–7	4.3b,3.5L		**¶620970704**
GUC	VIII	05 04 23 20.2–.61	21.19S	68.72W	129–4	3.5L,3.5L		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.0km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0. Presumed earthquake.

ISC	**VIII**	**06 00 48 33.3–1.9**	**21.89S–.04**	**68.9W–.10**	**131–14**		**45**	**1-4**
GUC	VIII	06 00 48 32.1–.86	21.89S	68.77W	124–5	3.4L		**¶624776126**

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0. Presumed earthquake.

ISC	**VIII**	**04 13 19 30.6–1.5**	**21.86S–.03**	**68.88W–.07**	**131–9**		**57**	**0-5**
SJA	VIII	04 13 19 28.9–.55	21.87S	68.76W	131–4	3.5W,3.1L		**¶624776089**
GUC	VIII	04 13 19 30.4–.69	21.88S	68.70W	122–3	3.1L,3.1L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0. Presumed earthquake.

ISC	**VIII**	**07 18 31 04.3–.26**	**21.81S–.02**	**68.32W–.03**	**138–2**	**4.9b**	**576**	**1-168**
VAO	VIII	07 18 31 01.9–.65	21.78S	68.28W	109–5	5.2b		**¶620976242**
NEIC	VIII	07 18 31 04.3–2.1	21.84S–.04	68.39W–.08	137–3	5.1,5.0b		
NEIC	VIII	07 18 31 04.2	21.85S	68.38W	136	5.1,5.0b		
GFZ	VIII	07 18 31 04.3	21.94S	68.31W	137	5.1W,5.0b		
GFZ	VIII	07 18 31 04.1–.16	22S–2.0	68W–3.0	138–4	5.1,4.9b		
SJA	VIII	07 18 31 04.0–.98	21.85S	68.43W	142	5.2L,4.9W		
IDC	VIII	07 18 31 05.8–.44	21.76S	68.14W	140–3	4.7,4.2b		
GUC	VIII	07 18 31 05.1–.72	21.86S	68.44W	146–4	5.2L,4.2b		
NEIC	VIII	07 18 31 09.2	21.85S	68.38W	140	5.2,4.2b		
GCMT	VIII	07 18 31 10.3–.20	21.75S–.01	68.36W–.01	159–1	5.2W,4.2b		

ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.32 $M_{\theta\theta}$-1.44 $M_{\phi\phi}$1.12 $M_{r\theta}$-1.77 $M_{\theta\phi}$-1.13 $M_{\phi r}$-4.83 NP1: ϕ_s108.81073°,δ18.36649°,λ176.42065°. NP2:ϕ_s202.20819°,δ88.87283°,λ71.66694°. Principal axes: T 5.5842,Plg43.2354°,Azm94.4329°; N -0.3332,Plg18.3294°,Azm202.5817°; P -5.2510,Plg41.0849°,Azm309.3706° $M_0$5.42530×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 2τ0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$0.97 $M_{r\theta}$-3.21 $M_{\theta\phi}$-2.39 $M_{\phi r}$-6.43 NP1:ϕ_s111.01000°,δ17.28000°,λ179.97000°. NP2:ϕ_s201.03000°,δ89.99000°,λ72.72000°. Principal axes: T 6.6825,Plg42.0000°,Azm94.0000°; N 1.6118,Plg17.0000°,Azm201.0000°; P -8.2943,Plg42.0000°,Azm308.0000° $M_0$7.62000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108071831A. Moment Tensor Solution. s78,c107; s127,c203;Duration: 1τ0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.14 $M_{\theta\theta}$-3.88±.17; $M_{\phi\phi}$4.56±.20; $M_{r\theta}$-2.88±.09; $M_{\theta\phi}$-1.86±.15; $M_{\phi r}$-5.90±.12; Best double couple: NP1: ϕ_s123.00000°,δ35.00000°,λ-175.00000°. NP2:ϕ_s29.00000°,δ87.00000°,λ-56.00000°. Principal axes: T 8.3970,Plg33.0000°,Azm90.0000°; N -0.7530,Plg34.0000°,Azm206.0000°; P -7.6390,Plg38.0000°,Azm329.0000° $M_0$8.01800×10^{16}

ISC	**VIII**	**13 13 26 58.5–1.7**	**21.84S–.04**	**67.31W–.04**	**211–15**		**55**	**1-5**
SJA	VIII	13 13 26 57.9–.66	21.81S	67.28W	217–6	3.1L,3.1W		**¶625422625**
SCB	VIII	13 13 27 00.0–1.4	21.84S	67.32W	187–17	3.2L,3.1W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.6km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.1km s-min=5.4km az=0.0.

ISC	**VIII**	**12 18 10 06.3–.57**	**20.86S–.03**	**68.76W–.05**	**104–5**	**4.0b**	**120**	**1-152**
SJA	VIII	12 18 10 05.8–.69	20.85S	68.90W	121–5	4.0L,4.0W		**¶620986246**
NEIC	VIII	12 18 10 06.6–1.6	20.89S–.04	68.81W–.09	108–6	4.1b,3.8L		
GUC	VIII	12 18 10 07.2–.72	20.85S	68.90W	115–4	3.8L,3.8L		
IDC	VIII	12 18 10 08.5–2.7	20.80S	68.45W	116–24	4.0,3.7b		
VAO	VIII	12 18 10 09.8–2.4	20.87S	68.46W	125–11	4.4b,3.7b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.5km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=33.6km s-min=20.3km az=105.0.
VAO Event type se. Error ellipse: s-maj=16.5km s-min=15.8km az=-1.0. Presumed earthquake.

ISC	**VIII**	**10 03 11 19.1–1.7**	**22.23S–.04**	**67.28W–.05**	**197–17**		**49**	**1-9**
SJA	VIII	10 03 11 19.9–.62	22.23S	67.37W	194–6	3.0L,3.0W		**¶625422532**
SCB	VIII	10 03 11 22.3–1.6	22.14S	67.32W	147–32	5.4b,2.9L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=2.5km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=10.9km s-min=6.5km az=0.0.

ISC	**VIII**	**13 18 46 49.0–1.5**	**21.27S–.03**	**68.77W–.07**	**135–11**		**52**	**1-4**
SJA	VIII	13 18 46 47.6–.64	21.28S	68.71W	140–7	3.3W,3.2L		**¶624776217**
GUC	VIII	13 18 46 48.7–.71	21.26S	68.68W	134–4	3.6L,3.2L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.4km az=-1.0. Presumed earthquake.

ISC	**VIII**	**14 10 29 49.3–1.6**	**21.05S–.03**	**67.53W–.03**	**163–14**		**75**	**2-5**
SJA	VIII	14 10 29 48.2–.70	21.08S	67.65W	195–6	3.3W,3.0L		**¶625422647**
SCB	VIII	14 10 29 50.8–1.5	21.01S	67.53W	110–22	4.4b,3.3L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=4.8km s-min=2.5km az=0.0.

ISC	**VIII**	**14 16 19 07.7–1.5**	**21.24S–.03**	**67.94W–.04**	**177–12**		**96**	**1-8**
SJA	VIII	14 16 19 08.2–.70	21.23S	68.06W	172–5	3.4W,3.3L		**¶624776241**
SCB	VIII	14 16 19 08.0–1.5	21.36S	67.89W	160–13	4.0b,3.4L		
GUC	VIII	14 16 19 10.0–.60	21.22S	68.02W	174–5	3.5L,3.4L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.5km s-min=3.4km az=0.0.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=5.4km az=-1.0. Presumed earthquake.

ISC	**VIII**	**14 22 17 17.8–1.8**	**22.05S–.05**	**67.44W–.04**	**173–17**		**56**	**1-9**
SJA	VIII	14 22 17 16.8–.72	22.11S	67.47W	189–6	3.0W,2.7L		**¶625422651**
SCB	VIII	14 22 17 20.9–1.9	21.91S	67.45W	107–43	2.9L,2.7L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=7.3km s-min=3.7km az=0.0.

ISC	**VIII**	**15 09 22 43.1–1.7**	**22.27S–.04**	**67.46W–.04**	**177–16**		**54**	**2-9**
SCB	VIII	15 09 22 44.8–1.9	22.26S	67.40W	144–20	2.8L		**¶624776255**
GUC	VIII	15 09 22 45.5–.68	22.25S	67.47W	164–6	2.8L		

ISC Event type se.
SCB Event type se. Error ellipse: s-maj=11.5km s-min=4.0km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0. Presumed earthquake.

ISC	**VIII**	**16 10 54 13.7–.96**	**21.33S–.03**	**68.79W–.05**	**133–9**		**91**	**1-24**
SJA	VIII	16 10 54 14.7–.54	21.28S	68.89W	127–3	3.7L,3.7W		**¶622451537**
NEIC	VIII	16 10 54 15.0–1.2	21.33S–.06	68.8W–.10	124–10	4.3b,3.9L		
GUC	VIII	16 10 54 15.8–.81	21.29S	68.76W	115–4	3.8L,3.9L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=3.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=7.4km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0. Presumed earthquake.

ISC	**VIII**	**15 23 32 19.1–.68**	**21.34S–.04**	**67.22W–.04**	**204–7**	**4.0b**	**107**	**1-145**
SJA	VIII	15 23 32 18.0–.69	21.33S	67.28W	221–6	3.7L,3.6W		**¶620987288**
IDC	VIII	15 23 32 18.4–1.6	21.34S	67.10W	186–17	3.8,3.5b		
NEIC	VIII	15 23 32 19.2–1.2	21.39S–.03	67.2W–.10	192–13	4.1b,3.5b		
SCB	VIII	15 23 32 19.1–1.4	21.39S	67.23W	200–9	3.9L,3.5b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=2.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=25.6km s-min=16.6km az=90.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=4.5km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SCB Event type se. Error ellipse: s-maj=4.9km s-min=3.1km az=0.0.
ISC VIII 16 06 45 29.0–1.6 22.29S–.04 67.52W–.04 198–13 69 1-9
SJA VIII 16 06 45 30.0–.65 22.28S 67.47W 182–6 3.0W,2.8L ¶624776265
GUC VIII 16 06 45 31.5–.59 22.25S 67.71W 200–8 3.1L,2.8L
SCB VIII 16 06 45 32.5–3.7 22.26S 67.52W 59–48 2.9L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=6.7km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=17.3km s-min=10.7km az=0.0.
ISC VIII 15 15 48 24.7–.40 21.34S–.03 68.80W–.04 113–3 4.5b 294 1-161
VAO VIII 15 15 48 10.9–1.2 21.54S 69.53W 43–7 4.9b ¶620986911
SJA VIII 15 15 48 23.6–.63 21.36S 68.89W 128–5 4.5L,4.3W
GUC VIII 15 15 48 24.8–.72 21.35S 68.86W 120–3 4.8L,4.3W
NEIC VIII 15 15 48 24.3–.95 21.32S–.04 68.67W–.08 105–3 4.8L,4.5b
IDC VIII 15 15 48 26.0–.45 21.28S 68.58W 117–3 4.5,4.1b
GFZ VIII 15 15 48 25.1–.17 21S–2.0 69W–4.0 106–4 4.8,4.6b
ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 18 05 20 53.8–1.6 22.06S–.04 67.42W–.04 184–15 72 2-9
SJA VIII 18 05 20 52.9–.62 22.08S 67.39W 192–12 3.2W,3.0L ¶624776291
SCB VIII 18 05 20 53.4–1.5 22.14S 67.41W 182–11 5.1b,3.4L
GUC VIII 18 05 20 54.4–.73 22.10S 67.67W 214–11 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=2.8km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.2km s-min=3.4km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=9.7km az=-1.0. Presumed earthquake.
ISC VIII 17 20 25 52.5–1.6 21.63S–.03 68.47W–.05 134–13 53 1-3
SJA VIII 17 20 25 51.3–.60 21.62S 68.45W 140–4 4.3W,4.1L ¶624776285
GUC VIII 17 20 25 52.8–.67 21.61S 68.35W 122–3 4.0L,4.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0. Presumed earthquake.
ISC VIII 18 10 01 30.3–1.7 21.47S–.03 68.7W–.10 107–16 46 1-3
SJA VIII 18 10 01 28.8–.61 21.50S 68.64W 103–6 3.5W,3.3L ¶624776293
GUC VIII 18 10 01 30.0–.67 21.46S 68.66W 110–6 3.3L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=4.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.9km az=-1.0. Presumed earthquake.
ISC VIII 20 13 14 27.4–1.9 21.92S–.04 67.39W–.05 194–16 62 2-5
SJA VIII 20 13 14 27.6–.63 21.91S 67.29W 176–6 3.0W,2.7L ¶624776326
SCB VIII 20 13 14 29.6–1.6 21.87S 67.44W 164–29 2.8L,2.7L
GUC VIII 20 13 14 30.1–.63 21.89S 67.61W 205–10 2.7L,2.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=2.3km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.7km s-min=7.7km az=1.0.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=9.3km az=-1.0. Presumed earthquake.
ISC VIII 22 23 45 12.9–1.9 21.78S–.04 67.29W–.04 215–15 69 1-6
SJA VIII 22 23 45 13.0–.57 21.81S 67.24W 218–4 3.2W,3.0L ¶624776368
GUC VIII 22 23 45 15.7–.68 21.77S 67.45W 218–8 3.2L,3.0L
SCB VIII 22 23 45 16.2–1.3 21.71S 67.29W 174–18 5.5b,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=1.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=7.6km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=7.3km s-min=5.7km az=0.0.
ISC VIII 23 04 29 14.2–.74 22.19S–.04 67.26W–.04 195–8 131 1-20
SJA VIII 23 04 29 14.8–.71 22.13S 67.20W 180–6 3.7L,3.6W ¶620999723
NEIC VIII 23 04 29 15.0–1.5 22.16S–.07 67.3W–.10 199–9 4.2b,3.6W
GUC VIII 23 04 29 15.7–.66 22.18S 67.48W 212–4 3.9L,3.6W
SCB VIII 23 04 29 16.4–2.5 22.04S 67.28W 38–19 4.4b,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=10.2km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=13.5km s-min=4.6km az=0.0.
ISC VIII 29 21 03 44.3–1.4 21.99S–.03 68.74W–.06 111–10 52 1-5
SJA VIII 29 21 03 42.4–.65 21.99S 68.71W 120–3 3.5W,3.4L ¶624776489
GUC VIII 29 21 03 44.0–.69 22.01S 68.71W 112–6 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VIII 26 06 49 30.0–.62 21.23S–.03 67.90W–.04 191–7 4.6b 138 1-145
NEIC VIII 26 06 49 30.1–1.3 21.30S–.06 68.0W–.10 206–11 4.5b ¶621007947
SJA VIII 26 06 49 30.4–.68 21.18S 67.84W 184–6 4.1L,3.8W
GUC VIII 26 06 49 32.9–.70 21.21S 67.96W 180–4 4.2L,3.8W
SCB VIII 26 06 49 34.1–1.5 21.18S 67.78W 124–33 4.7b,4.3L
VAO VIII 26 06 49 34.2–1.6 21.12S 67.29W 140–14 4.2b,4.3L
IDC VIII 26 06 49 34.5–2.0 21.00S 67.57W 182–22 3.9,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.8km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=11.6km s-min=10.6km az=358.0.
VAO Event type se. Error ellipse: s-maj=12.0km s-min=11.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=33.6km s-min=19.9km az=81.0.
ISC VIII 28 12 57 47.8–.33 22.32S–.03 67.53W–.03 182–3 5.1b 782 1-172
VAO VIII 28 12 57 19.1–.95 22.75S 69.28W 48–6 5.5b ¶621009869
SJA VIII 28 12 57 46.4–1.3 22.26S 67.51W 190 5.0L,4.8W
IDC VIII 28 12 57 46.9–.97 22.24S 67.32W 166–8 5.2,4.7b
CATAC VIII 28 12 57 46.8–.60 22S–5.0 67W–8.0 145–8 5.8,5.5
MOS VIII 28 12 57 46.1–1.4 22.26S 67.55W 173 5.1b,5.5
NEIC VIII 28 12 57 47.9 22.28S 67.51W 188 5.1b,5.5
GFZ VIII 28 12 57 47.1–.15 22S–1.0 67W–2.0 168–1 5.1b,5.1
GUC VIII 28 12 57 47.1–.76 22.29S 67.71W 209–6 5.4L,5.1
GFZ VIII 28 12 57 47.1 22.33S 67.44W 164 5.2W,5.1
NEIC VIII 28 12 57 48.1–1.4 22.30S–.05 67.56W–.08 192–4 5.1b,5.1
NEIC VIII 28 12 57 48.4 22.28S 67.51W 200 5.3,5.1
SCB VIII 28 12 57 49.1–2.2 22.28S 67.52W 123–38 5.3L,5.1
GCMT VIII 28 12 57 51.5–.20 22.25S–.01 67.44W–.02 194–1 5.3W,5.1
ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.95 $M_{\theta\theta}$-1.85 $M_{\phi\phi}$-0.09 $M_{r\theta}$1.42 $M_{\theta\phi}$2.66 $M_{\phi r}$-8.10 NP1: ϕ_s166.13872°,δ84.02158°,λ108.54853°. NP2:ϕ_s273.38353°,δ19.45588°,λ18.22192°. Principal axes: T 9.1364,Plg47.7636°,Azm95.6888°; N -0.6024,Plg18.4440°,Azm344.1372° ; P -8.5340,Plg36.3760°,Azm239.9158° $M_0$8.85063×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-0.36 $M_{r\theta}$0.20 $M_{\theta\phi}$0.32 $M_{\phi r}$-1.20 NP1:ϕ_s300.94000°,δ14.09000° ,λ41.69000°. NP2:ϕ_s170.12000°,δ80.68000°,λ100.62000°. Principal axes: T 1.2498,Plg53.0000°,Azm93.0000°; N 0.1051,Plg10.0000°,Azm348.0000° ; P -1.3549,Plg35.0000°,Azm251.0000° $M_0$1.31000×10^{17}
SCB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108281257A. Moment Tensor Solution. s62,c82; s116,c175; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.21±.03 $M_{\theta\theta}$-0.12±.03; $M_{\phi\phi}$-0.09±.04; $M_{r\theta}$0.39±.02; $M_{\theta\phi}$0.29±.03; $M_{\phi r}$-1.13±.02; Best double couple: NP1:ϕ_s278.00000°,δ12.00000° ,λ28.00000°. NP2:ϕ_s161.00000°,δ84.00000°,λ101.00000°. Principal axes: T 1.2100,Plg50.0000°,Azm82.0000°; N 0.0670,Plg11.0000°,Azm339.0000° ; P -1.2770,Plg38.0000°,Azm241.0000° $M_0$1.24300×10^{17}
ISC VIII 30 18 44 01.7–1.3 22.00S–.03 68.84W–.04 103–8 64 0-5
SJA VIII 30 18 44 00.6–.69 21.99S 68.87W 110–6 3.8W,3.7L ¶624776508
GUC VIII 30 18 44 02.0–.70 22.02S 68.90W 107–3 3.7L,3.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=6.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.2km az=-1.0. Presumed earthquake.
ISC VIII 29 21 27 25.6–.71 21.87S–.04 67.15W–.03 191–7 98 2-77
SJA VIII 29 21 27 25.8–1.6 21.87S 67.12W 175 3.4L,3.4W ¶621011386
GUC VIII 29 21 27 25.2–.54 21.86S 67.46W 234–12 3.4L,3.4W
SCB VIII 29 21 27 25.2–1.6 21.85S 67.13W 183–14 5.3b,3.9L
NEIC VIII 29 21 27 28.7–.68 21.75S–.08 67.7W–.10 216–8 4.6b,3.9L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
SCB Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 22 09 48.3–1.4 20.36S–.03 68.92W–.06 113–10 53 0-4
SJA VIII 29 22 09 46.2–.76 20.33S 68.83W 120–6 3.5W,3.3L ¶624776492
GUC VIII 29 22 09 47.4–.66 20.32S 68.76W 111–3 3.4L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=5.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VIII 30 21 22 58.5–.89 21.82S–.03 68.73W–.04 113–7 74 0-77
SJA VIII 30 21 22 57.1–.75 21.85S 68.71W 122–5 3.7W,3.6L ¶621076546
IDC VIII 30 21 22 57.4–3.2 22.16S 67.72W 77–30 3.7,3.6s
GUC VIII 30 21 22 59.2–.84 21.84S 68.69W 106–3 3.6L,3.6s
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=36.7km s-min=24.4km az=98.0.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=2.8km az=-1.0. Presumed earthquake.
ISC IX 03 19 20 17.6–.80 22.32S–.04 67.32W–.04 178–7 76 1-82
IDC IX 03 19 20 17.0–1.7 22.28S 67.06W 157–19 4.0,3.9b ¶621081587
SJA IX 03 19 20 16.9–.67 22.27S 67.32W 187–6 3.8L,3.7W
SCB IX 03 19 20 20.3–1.6 22.28S 67.37W 113–23 5.3b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=15.4km az=97.0.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.5km s-min=3.5km az=0.0.
ISC VIII 30 20 31 36.0–2.0 21.04S–.04 67.66W–.04 191–18 47 2-4
SJA VIII 30 20 31 35.4–.76 21.00S 67.61W 194–7 3.0W,2.8L ¶625423132
SCB VIII 30 20 31 38.3–1.4 20.99S 67.60W 140–33 3.1L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.8km s-min=5.4km az=0.0.
ISC IX 08 14 52 36.1–1.9 21.38S–.05 67.25W–.04 200–17 47 2-8
SCB IX 08 14 52 37.6–1.7 21.37S 67.26W 179–16 3.7L ¶625423441
SJA IX 08 14 52 37.1–.73 21.39S 67.24W 184–8 3.3W,3.2L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=8.6km s-min=4.4km az=0.0.
SJA Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=-1.0. Presumed earthquake.
ISC IX 08 10 11 13.4–.65 21.69S–.04 68.36W–.05 141–7 4.1b 112 1-129
IDC IX 08 10 11 11.6–1.8 21.75S 67.99W 125–18 3.7,3.4b ¶621042376
NEIC IX 08 10 11 14.0–1.2 21.67S–.06 68.32W–.10 137–9 4.1b,4.1L
SJA IX 08 10 11 13.6–1.4 21.64S 68.39W 140 3.9L,3.8W
GUC IX 08 10 11 14.5–.56 21.64S 68.39W 143–5 4.1L,3.8W
GFZ IX 08 10 11 14.3–.22 22S–3.0 68W–6.0 152–5 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 04 21 13 19.3–1.9 22.81S–.04 67.02W–.05 209–16 64 2-5
SJA IX 04 21 13 19.2–.66 22.80S 66.97W 211–5 3.4L,3.4W ¶624897081
GUC IX 04 21 13 21.2–.65 22.78S 67.04W 194–7 3.7L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=2.9km az=-1.0. Presumed earthquake.
ISC IX 06 14 01 56.6–1.7 21.52S–.03 68.5W–.10 160–10 71 1-4
SJA IX 06 14 01 56.2–1.3 21.51S 68.35W 140 3.6L,3.6W ¶624897122
GUC IX 06 14 01 57.5–.60 21.52S 68.36W 142–2 3.7L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=6.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.9km az=-1.0. Presumed earthquake.
ISC IX 08 16 18 23.3–1.4 21.13S–.03 68.99W–.06 122–9 67 0-5
SJA IX 08 16 18 22.1–.66 21.12S 68.94W 123–3 3.7W,3.6L ¶624897152
GUC IX 08 16 18 23.5–.83 21.13S 68.88W 115–4 3.5L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=5.1km az=-1.0. Presumed earthquake.
ISC IX 09 13 56 57.5–1.4 21.52S–.03 68.56W–.04 156–9 74 1-5
SJA IX 09 13 56 58.0–.97 21.51S 68.47W 140 3.6W,3.5L ¶624897160
GUC IX 09 13 56 59.1–.89 21.51S 68.46W 138–4 3.5L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.3km az=-1.0. Presumed earthquake.
ISC IX 09 21 22 50.2–1.5 21.13S–.03 68.81W–.07 151–10 56 1-4
SJA IX 09 21 22 50.7–1.2 21.12S 68.67W 130 3.6W,3.5L ¶624897164
GUC IX 09 21 22 51.7–.80 21.11S 68.65W 131–4 3.7L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=6.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.4km az=-1.0. Presumed earthquake.
ISC IX 10 04 52 49.6–2.1 22.27S–.06 67.37W–.05 184–18 41 2-6
SCB IX 10 04 52 50.3–1.5 22.29S 67.38W 164–13 5.8b,3.0L ¶625423509
SJA IX 10 04 52 50.7–2.1 22.26S 67.31W 160 3.1W,2.7L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=0.0.
SJA Event type se. Error ellipse: s-maj=6.2km s-min=8.7km az=-1.0. Presumed earthquake.
ISC IX 10 15 33 45.0–1.5 20.90S–.03 68.34W–.04 166–12 77 1-5
SJA IX 10 15 33 45.6–.77 20.85S 68.29W 150 3.5W,3.4L ¶624897173
SCB IX 10 15 33 46.4–1.3 20.91S 68.29W 135–13 3.7L,3.4L
GUC IX 10 15 33 46.8–.73 20.86S 68.35W 158–6 3.6L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=3.8km s-min=3.0km az=1.0.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=6.3km az=-1.0. Presumed earthquake.
ISC IX 11 13 12 39.5–1.8 22.62S–.04 67.71W–.05 190–14 61 1-5
SCB IX 11 13 12 40.6–1.5 22.62S 67.71W 171–21 3.6L ¶624897182
SJA IX 11 13 12 40.0–.71 22.62S 67.65W 180 3.6W,3.4L
GUC IX 11 13 12 42.4–.75 22.63S 67.84W 184–8 3.6L,3.4L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.7km s-min=5.7km az=0.0.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=4.6km az=-1.0. Presumed earthquake.
ISC IX 10 13 17 03.2–1.4 21.12S–.03 68.80W–.06 113–10 64 1-5
SJA IX 10 13 17 00.8–.66 21.14S 68.74W 124–4 3.7W,3.5L ¶624897169
GUC IX 10 13 17 02.4–.85 21.15S 68.70W 112–5 3.6L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=5.4km az=-1.0. Presumed earthquake.
ISC IX 13 09 51 31.5–1.7 21.24S–.04 67.62W–.04 176–17 52 2-5
SJA IX 13 09 51 30.9–.57 21.26S 67.62W 186–5 3.2W,3.0L ¶625423626

SCB IX 13 09 51 34.2–1.5 21.14S 67.62W 109–37 2.9L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=1.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.7km s-min=5.3km az=0.0.
SCB IX 12 20 39 11.2–.69 22.13S 67.41W 151–15 2.2L
¶625423575
SCB Event type se. Error ellipse: s-maj=7.5km s-min=3.3km az=0.0.
ISC IX 15 13 03 44.8–1.7 21.89S–.03 68.8W–.10 145–13 55 1-4
SJA IX 15 13 03 45.2–.95 21.85S 68.72W 130 3.7L,3.6W **¶624897295**
GUC IX 15 13 03 47.1–.57 21.87S 68.67W 118–4 3.6L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=5.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0. Presumed earthquake.
ISC IX 13 11 10 00.6–.50 20.97S–.03 68.78W–.04 105–4 4.2b 240 1-160
NEIC IX 13 11 10 01.0–1.1 21.02S–.04 68.77W–.07 104–6 4.3b,4.3L **¶621071762**
GFZ IX 13 11 10 01.0–.18 21S–2.0 69W–3.0 103–2 4.5L,4.5
SJA IX 13 11 10 00.5–.72 21.00S 68.88W 112–4 4.2L,4.2W
GUC IX 13 11 10 01.6–.72 21.00S 68.83W 109–3 4.3L,4.2W
IDC IX 13 11 10 01.6–.79 20.86S 68.57W 111–6 4.2,3.8b
VAO IX 13 11 10 02.0–1.0 20.86S 68.51W 105 4.8b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.4km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.8km s-min=4.7km az=78.6. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=18.6km s-min=11.4km az=87.0.
VAO Event type se. Error ellipse: s-maj=6.3km s-min=10.0km az=-1.0. Presumed earthquake.
ISC IX 17 16 12 41.2–.64 22.27S–.04 67.21W–.04 185–6 4.3b 112 1-161
IDC IX 17 16 12 41.1–1.5 22.32S 66.88W 146–15 4.3,4.1b **¶621081717**
VAO IX 17 16 12 41.1–2.3 21.97S 67.23W 157–14 4.3b,4.1b
SJA IX 17 16 12 41.4–.76 22.19S 67.24W 195–8 3.8L,3.7W
NEIC IX 17 16 12 42.2–1.8 22.28S–.06 67.3W–.10 205–10 4.3b,3.7W
SCB IX 17 16 12 43.4–2.0 22.32S 67.24W 160–19 5.0b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=12.4km az=102.0.
VAO Event type se. Error ellipse: s-maj=6.5km s-min=17.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.2km s-min=2.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.6km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se. Error ellipse: s-maj=9.2km s-min=4.7km az=0.0.
ISC IX 16 02 13 06.1–.56 20.13S–.02 68.86W–.05 119–5 4.5b 154 0-128
NEIC IX 16 02 13 06.2–.96 20.10S–.04 68.82W–.08 118–2 4.5b,4.0L **¶621079025**
SJA IX 16 02 13 06.9–.67 20.11S 68.96W 118–3 3.9L,3.9W
GUC IX 16 02 13 07.4–.68 20.09S 68.84W 115–3 4.0L,3.9W
IDC IX 16 02 13 08.1–2.8 20.11S 68.49W 118–37 4.0,3.6b
VAO IX 16 02 13 12.7–1.1 19.83S 68.27W 143–8 4.3b,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.9km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=33.0km s-min=25.2km az=72.0.
VAO Event type se. Error ellipse: s-maj=7.5km s-min=8.3km az=-1.0. Presumed earthquake.
ISC IX 16 14 58 45.5–1.2 21.19S–.04 68.14W–.05 155–11 53 1-145
IDC IX 16 14 58 44.4–7.4 21.19S 67.29W 151–83 3.8 **¶621112894**
SJA IX 16 14 58 44.7–1.4 21.16S 68.13W 155 3.3L,3.3W
SCB IX 16 14 58 46.0–1.2 21.20S 68.10W 127–14 3.6L,3.3W
ISC Event type se.
IDC Error ellipse: s-maj=319.3km s-min=29.7km az=92.0.
SJA Event type se. Error ellipse: s-maj=3.7km s-min=8.3km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=4.5km s-min=4.1km az=0.0.
ISC IX 16 20 03 39.7–1.6 21.40S–.03 68.95W–.09 109–10 55 0-3
SJA IX 16 20 03 38.1–.68 21.40S 68.91W 113–4 3.5W,3.4L **¶624897331**
GUC IX 16 20 03 39.3–.47 21.42S 68.83W 105–2 3.2L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=5.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.8km s-min=2.3km az=-1.0. Presumed earthquake.
ISC IX 24 19 59 18.5–2.4 21.91S–.07 67.20W–.06 203–20 28 2-4
SCB IX 24 19 59 19.9–1.4 22.01S 67.20W 173–18 2.8L **¶625423953**
SJA IX 24 19 59 20.1–1.4 21.80S 67.12W 175 3.0W,2.6L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.8km s-min=5.9km az=0.0.
SJA Event type se. Error ellipse: s-maj=8.6km s-min=10.6km az=-1.0. Presumed earthquake.
SJA IX 23 00 36 11.4–1.0 21.61S 68.47W 141 3.0W,2.6L
¶626551492
SJA Event type se. Error ellipse: s-maj=2.7km s-min=7.0km az=-1.0. Presumed earthquake.
ISC IX 23 11 01 54.8–.41 21.58S–.03 68.51W–.05 107–4 4.4b 249 1-161
VAO IX 23 11 01 53.5–.80 21.54S 68.54W 107–6 4.8b **¶621106550**
NEIC IX 23 11 01 54.9 21.61S 68.50W 102 4.8b
NEIC IX 23 11 01 55.2–2.2 21.60S–.04 68.53W–.06 105–5 4.5,4.4
SJA IX 23 11 01 55.1–.85 21.55S 68.84W 130–6 4.4L,4.3W
IDC IX 23 11 01 56.5–.50 21.46S 68.33W 114–4 4.3,3.9b
GUC IX 23 11 01 56.1–.80 21.56S 68.73W 119–5 4.4L,3.9b
GFZ IX 23 11 01 56.0–.17 22S–2.0 69W–4.0 117–4 4.7,4.7
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.72 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$2.43 $M_{r\theta}$1.95 $M_{\theta\phi}$1.77
$M_{\phi r}$-4.00 NP1:ϕ_s344.51000°,δ79.87000°,λ-117.75000°. NP2:ϕ_s236.03000°,δ29.40000°
,λ-20.99000°. Principal axes: T 4.9155,Plg29.0000°,Azm97.0000°; N 0.6293,Plg27.0000°
,Azm350.0000°; P -5.5448,Plg48.0000°,Azm225.0000° $M_0$5.26000×10^{15}
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 20 13 09 48.0–1.7 21.59S–.03 68.66W–.10 146–9 70 1-3
SJA IX 20 13 09 47.5–1.7 21.58S 68.43W 120 3.5W,3.4L **¶624897406**
GUC IX 20 13 09 49.0–.82 21.59S 68.52W 128–3 3.4L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=8.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.8km az=-1.0. Presumed earthquake.
ISC IX 20 14 05 32.9–1.9 21.75S–.05 67.34W–.04 192–16 56 2-8
GUC IX 20 14 05 34.8–.74 21.70S 67.62W 220–7 3.9L **¶624897411**
SCB IX 20 14 05 34.5–2.1 21.75S 67.34W 168–20 4.6b,4.0L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=6.8km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=10.3km s-min=5.5km az=0.0.
ISC IX 23 14 11 35.7–2.2 21.91S–.06 67.13W–.06 194–18 44 2-6
GUC IX 23 14 11 37.4–.63 21.88S 67.44W 231–8 3.1L **¶624897488**
SCB IX 23 14 11 38.9–1.4 21.85S 67.15W 149–18 5.3b,2.6L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=8.0km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.5km s-min=5.0km az=0.0.
ISC IX 19 07 52 55.4–1.9 21.98S–.05 67.35W–.04 184–19 46 2-6
SJA IX 19 07 52 52.9–.59 21.99S 67.28W 203–8 3.1W,2.6L **¶625423799**
SCB IX 19 07 52 56.8–1.2 21.96S 67.36W 147–24 2.7L,2.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=2.4km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.0km s-min=3.8km az=0.0.
ISC IX 23 04 15 39.7–2.1 21.98S–.07 67.27W–.06 172–24 32 2-8
SJA IX 23 04 15 38.2–.87 21.99S 67.27W 192–12 3.1W,2.8L **¶625423928**
SCB IX 23 04 15 40.3–1.7 22.02S 67.31W 157–31 5.3b,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.2km s-min=5.0km az=-1.0. Presumed earthquake.

SCB Event type se. Error ellipse: s-maj=11.2km s-min=6.8km az=0.0.
ISC IX 25 18 09 21.9–.64 20.41S–.03 68.81W–.06 125–6 4.5b 107 0-145
SJA IX 25 18 08 52.3–.68 21.13S 66.80W 242–11 4.2L,4.0W **¶621110134**
IDC IX 25 18 09 17.5–9.2 21.04S 68.49W 78–70 4.3,4.1b
NEIC IX 25 18 09 22.1–1.2 20.43S–.04 68.80W–.09 119–7 4.5b,3.8L
GUC IX 25 18 09 23.8–.91 20.37S 68.85W 115–5 3.8L,3.8L
VAO IX 25 18 09 27.5–1.4 20.21S 68.54W 163–17 4.3b,3.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.1km s-min=3.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=100.6km s-min=63.7km az=79.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.3km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.8km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=7.6km s-min=19.0km az=-1.0. Presumed earthquake.
ISC IX 30 15 09 23.5–.63 21.13S–.03 68.60W–.06 135–6 4.2b 132 1-145
IDC IX 30 15 09 23.7–3.3 21.13S 68.29W 114–29 4.2,3.9b **¶621113682**
SJA IX 30 15 09 23.5–.83 21.11S 68.67W 140 3.9L,3.8W
NEIC IX 30 15 09 24.2–1.4 21.12S–.04 68.69W–.09 136–7 4.2b,3.7L
GUC IX 30 15 09 24.7–.77 21.12S 68.68W 137–5 3.7L,3.7L
VAO IX 30 15 09 34.5–1.9 20.38S 67.80W 154–10 4.3b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=28.1km az=107.0.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.3km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.7km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=13.8km s-min=13.1km az=-1.0. Presumed earthquake.
ISC IX 29 01 26 02.7–.48 20.85S–.03 68.96W–.05 109–4 4.0b 137 1-145
SJA IX 29 01 26 02.6–.66 20.89S 69.04W 114–3 4.1L,4.0W **¶621112354**
GUC IX 29 01 26 03.9–.63 20.89S 68.99W 110–3 4.2L,4.0W
IDC IX 29 01 26 03.9–.73 20.67S 68.82W 111–6 3.9,3.5b
NEIC IX 29 01 26 03.7–1.6 20.88S–.03 69.03W–.07 109–5 4.4b,4.2L
VAO IX 29 01 26 06.7–1.3 20.82S 68.57W 123–8 4.4b,4.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.9km s-min=13.0km az=95.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=2.4km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=6.3km s-min=11.4km az=-1.0. Presumed earthquake.
ISC IX 26 00 27 50.1–1.4 21.91S–.03 68.83W–.05 147–9 70 1-5
SJA IX 26 00 27 50.9–.76 21.86S 68.76W 130 3.5W,3.4L **¶624897539**
GUC IX 26 00 27 52.4–.86 21.89S 68.86W 137–9 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=11.2km az=-1.0. Presumed earthquake.
ISC IX 29 21 13 31.6–1.6 21.40S–.04 67.32W–.04 208–13 82 2-8
SCB IX 29 21 13 32.3–1.8 21.42S 67.29W 195–12 3.4L **¶624897594**
GUC IX 29 21 13 33.9–.68 21.39S 67.54W 216–7 3.6L
SJA IX 29 21 13 33.0–1.2 21.37S 67.37W 201 3.6L,3.4W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=0.0.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=6.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=4.7km s-min=7.1km az=-1.0. Presumed earthquake.
ISC IX 30 09 59 53.8–1.7 21.98S–.04 67.40W–.07 207–15 73 2-8
SCB IX 30 09 59 54.8–1.6 22.00S 67.32W 177–12 5.4b,3.0L **¶624897609**
SJA IX 30 09 59 54.5–.63 21.93S 67.75W 180–6 3.1W,2.7L
GUC IX 30 09 59 56.2–.77 21.95S 67.62W 216–11 3.1L,2.7L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.7km s-min=3.2km az=0.0.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=7.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=10.9km az=-1.0. Presumed earthquake.
SJA X 04 06 31 19.0–1.3 20.82S 69.00W 102–8 3.5L,3.5W
¶635729906
SJA Event type se. Error ellipse: s-maj=3.3km s-min=8.2km az=-1.0. Presumed earthquake.
ISC IX 30 18 05 27.9–.74 21.63S–.03 68.40W–.05 138–6 112 1-145
SJA IX 30 18 05 26.8–1.1 21.66S 68.38W 140 3.9L,3.9W **¶621147777**
IDC IX 30 18 05 27.5–2.8 21.74S 67.84W 112–29 4.1,3.8b
NEIC IX 30 18 05 28.5–1.1 21.66S–.02 68.5W–.10 130–6 4.1b,3.9L
GUC IX 30 18 05 28.2–.78 21.68S 68.36W 133–3 3.9L,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=5.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=34.2km s-min=22.1km az=96.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=1.6km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0. Presumed earthquake.
ISC X 02 04 36 19.6–.61 21.72S–.03 68.44W–.04 111–6 4.7b 218 1-164
VAO X 02 04 36 06.7–.65 21.78S 69.27W 51 4.9b **¶621116402**
SJA X 02 04 36 18.9–.81 21.75S 68.62W 135–7 4.2L,4.2W
NEIC X 02 04 36 19.5–1.8 21.70S–.05 68.40W–.06 103–5 4.7b,4.1L
GFZ X 02 04 36 20.6–.19 22S–2.0 69W–5.0 117–6 5.1b,4.6b
IDC X 02 04 36 21.1–2.1 21.61S 68.33W 116–18 4.4,4.0b
GUC X 02 04 36 21.3–.85 21.73S 68.64W 118–5 4.1L,4.0b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=5.3km s-min=6.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=7.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=18.8km s-min=11.7km az=71.0.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0. Presumed earthquake.
ISC X 03 18 16 42.0–1.4 21.26S–.03 68.96W–.06 127–9 62 1-4
SJA X 03 18 16 41.1–.53 21.25S 68.97W 132 3.6W,3.4L **¶625233391**
GUC X 03 18 16 42.8–.65 21.25S 68.88W 117–3 3.4L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=0.9km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0. Presumed earthquake.
ISC IX 30 15 54 57.4–.55 21.07S–.03 68.69W–.05 121–5 4.3b 211 1-164
SJA IX 30 15 54 56.4–.79 21.09S 68.75W 139–6 4.1L,4.0W **¶621113683**
NEIC IX 30 15 54 56.7–1.4 21.06S–.02 68.68W–.10 131–9 4.5b,4.0L
GFZ IX 30 15 54 57.7–.24 21S–2.0 69W–5.0 143–7 5.5b,4.9
IDC IX 30 15 54 58.3–2.7 21.02S 68.46W 112–24 4.1,3.7b
GUC IX 30 15 54 58.8–.70 21.07S 68.77W 126–3 4.1L,3.7b
VAO IX 30 15 55 00.5–1.4 20.92S 68.26W 117–7 4.5b,3.7b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=5.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=2.7km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=25.3km s-min=17.9km az=82.0.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=7.0km s-min=10.6km az=-1.0. Presumed earthquake.
ISC X 06 06 33 54.8–1.3 21.69S–.05 67.21W–.05 200 35 2-6
SJA X 06 06 33 47.5–.63 21.79S 67.10W 236–6 3.5W,3.1L **¶625424350**
SCB X 06 06 33 55.3–1.3 21.75S 67.21W 173–23 3.0L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=5.7km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.6km s-min=4.5km az=0.0.
ISC X 05 13 11 43.6–1.6 22.49S–.04 67.68W–.05 185–15 50 1-6
SJA X 05 13 11 43.2–.62 22.50S 67.68W 181–5 3.1W,3.0L **¶625424315**
SCB X 05 13 11 45.2–1.4 22.46S 67.64W 148–24 6.2b,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0. Presumed earthquake.

SCB Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=1.0.
ISC X 06 18 02 25.5–.61 21.55S–.03 68.89W–.05 103–5 4.1b 128 0-146
GUC X 06 18 02 25.8–.75 21.55S 68.94W 102–3 4.0L **¶621126633**
SJA X 06 18 02 25.6–.64 21.55S 68.95W 104–6 4.0W,3.9L
NEIC X 06 18 02 26.6–1.9 21.53S–.03 69.01W–.07 103–5 4.2b,4.0L
IDC X 06 18 02 27.4–2.8 21.52S 68.62W 107–26 3.8,3.5b
VAO X 06 18 02 28.4–1.2 21.38S 68.62W 110 4.2b,3.5b
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.0km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.7km s-min=19.0km az=97.0.
VAO Event type se. Error ellipse: s-maj=7.8km s-min=11.1km az=-1.0. Presumed earthquake.
ISC X 06 21 43 57.0–1.5 21.49S–.03 68.62W–.06 152–10 66 1-5
SJA X 06 21 43 56.4–.61 21.48S 68.58W 143–4 3.5W,3.3L **¶625233448**
GUC X 06 21 43 57.9–.75 21.49S 68.47W 136–3 3.4L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0. Presumed earthquake.
ISC X 10 18 43 22.2–.60 21.73S–.03 68.40W–.04 122–6 4.3b 179 1-146
VAO X 10 18 43 06.8–.59 21.73S 69.02W 10 4.6b **¶621144286**
IDC X 10 18 43 21.3–1.9 21.79S 68.18W 102–17 4.2,3.8b
NEIC X 10 18 43 22.9–2.3 21.79S–.04 68.49W–.06 126–5 4.3b,4.1L
SJA X 10 18 43 22.0–.68 21.81S 68.49W 134–6 4.1L,4.0W
GFZ X 10 18 43 23.1–.21 22S–2.0 68W–4.0 113–4 4.5b,4.5
GUC X 10 18 43 23.3–.75 21.79S 68.46W 124–4 4.1L,4.5
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=3.8km s-min=6.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=20.5km s-min=12.6km az=98.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.3km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=3.1km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.6km az=-1.0. Presumed earthquake.
ISC X 08 11 49 16.3–2.7 21.62S–.06 68.6W–.20 154–21 29 1-3
SJA X 08 11 48 47.7–1.1 23.11S 66.61W 172 3.5L,3.4W **¶625829697**
GUC X 08 11 49 16.9–.81 21.58S 68.48W 138–12 2.7L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=7.1km s-min=7.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.5km s-min=6.8km az=-1.0. Presumed earthquake.
ISC X 09 07 15 12.6–.60 21.78S–.03 68.81W–.04 110–6 4.2b 183 1-161
IDC X 09 07 15 10.7–2.4 21.85S 68.53W 79–21 4.1,3.7b **¶621143715**
SJA X 09 07 15 11.8–.65 21.76S 68.86W 121–4 4.4L,4.1W
GFZ X 09 07 15 12.3–.19 22S–2.0 69W–3.0 124 4.5L,4.5
NEIC X 09 07 15 13.2–1.4 21.79S–.05 68.82W–.07 105–8 4.3b,4.1L
GUC X 09 07 15 13.4–.74 21.76S 68.84W 111–5 4.1L,4.1L
VAO X 09 07 15 15.5–1.2 21.73S 68.39W 116–8 4.4b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=16.6km az=105.0.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.8km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=5.5km s-min=10.6km az=-1.0. Presumed earthquake.
ISC X 09 23 33 46.0–.28 21.08S–.03 68.80W–.04 115–2 4.7b 389 1-164
VAO X 09 23 33 45.5–.67 20.98S 68.65W 110–5 5.0b **¶621144060**
SJA X 09 23 33 45.2–.63 21.14S 68.84W 118–5 4.9L,4.6W
GFZ X 09 23 33 45.8–.16 21S–2.0 69W–4.0 122–4 5.7b,5.2
GUC X 09 23 33 46.3–.85 21.11S 68.89W 121–5 4.9L,5.2
NEIC X 09 23 33 46.3–1.3 21.11S–.03 68.86W–.06 114–4 4.8,4.8b
IDC X 09 23 33 47.3–.44 20.98S 68.58W 119–3 4.5,4.0b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=3.5km s-min=4.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=5.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.3km s-min=9.4km az=79.0.
ISC X 10 23 46 32.6–1.5 21.80S–.03 68.93W–.06 140–10 59 1-3
SJA X 10 23 46 33.1–.98 21.82S 68.91W 128 3.6W,3.5L **¶625233559**
GUC X 10 23 46 34.2–.83 21.82S 68.86W 124–5 3.6L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0. Presumed earthquake.
ISC X 11 00 08 15.8–1.7 21.81S–.03 68.76W–.07 122–13 51 1-3
SJA X 11 00 08 15.7–.78 21.77S 68.87W 126–5 3.6W,3.5L **¶625233560**
GUC X 11 00 08 16.4–.85 21.82S 68.68W 113–5 3.6L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=6.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0. Presumed earthquake.
ISC X 11 02 14 50.6–.59 22.34S–.04 67.40W–.04 186–6 4.6b 162 1-145
VAO X 11 02 14 42.3–1.2 22.30S 68.08W 150 4.3b **¶621144619**
IDC X 11 02 14 50.3–2.3 22.33S 67.18W 164–22 4.2,3.8b
NEIC X 11 02 14 50.7–1.9 22.41S–.03 67.4W–.10 178–7 4.5b,4.0L
SJA X 11 02 14 50.1–1.2 22.36S 67.42W 192–7 3.7W,3.5L
SCB X 11 02 14 51.1–3.4 22.28S 67.42W 35–19 5.3b,4.1L
GUC X 11 02 14 51.2–.52 22.39S 67.52W 198–3 4.0L,4.1L
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=6.6km s-min=12.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.9km s-min=18.8km az=108.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=3.6km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=13.0km s-min=9.6km az=0.0.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0. Presumed earthquake.
ISC X 17 11 17 41.7–1.6 22.01S–.04 67.46W–.03 204–12 87 1-6
SJA X 17 11 17 42.5–.74 21.95S 67.44W 198–6 3.4L,3.3W **¶625424779**
SCB X 17 11 17 44.1–1.6 21.99S 67.43W 171–13 4.5b,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=2.1km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.6km s-min=3.3km az=0.0.
ISC X 14 01 00 52.7–1.8 21.00S–.05 67.69W–.05 171–17 42 2-8
SJA X 14 01 00 52.9–1.1 21.00S 67.74W 172 3.2W,3.1L **¶625424693**
SCB X 14 01 00 53.1–1.8 21.03S 67.70W 162–20 5.0b,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=7.0km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.5km s-min=5.4km az=0.0.
ISC X 17 16 57 43.8–.80 21.24S–.04 68.50W–.09 127–8 4.3b 48 1-130
IDC X 17 16 57 43.9–3.3 21.28S 68.19W 118–40 3.8,3.7b **¶621242892**
GUC X 17 16 57 44.9–.41 21.30S 68.50W 124–3 3.4L,3.7b
NEIC X 17 16 57 44.1–.88 21.26S–.05 68.5W–.10 125–5 4.2b,3.7b
ISC Event type se.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 22 19 39 50.9–1.6 22.36S–.04 67.77W–.04 192–13 67 1-5
SCB X 22 19 39 52.5–1.4 22.36S 67.75W 162–22 3.5L **¶625230134**
SJA X 22 19 39 52.0–1.3 22.32S 67.70W 170 3.3L,3.3W
GUC X 22 19 39 53.4–.72 22.34S 67.90W 192–6 3.4L,3.3W
ISC Event type se.

SCB Event type se. Error ellipse: s-maj=8.4km s-min=4.8km az=1.0.
SJA Event type se. Error ellipse: s-maj=3.5km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=6.7km az=-1.0. Presumed earthquake.
ISC X 21 14 17 55.2–1.4 21.60S–.03 68.88W–.06 128–8 59 0-5
SJA X 21 14 17 54.2–.54 21.59S 68.83W 128–2 3.5W,3.3L **¶625230109**
GUC X 21 14 17 55.6–.85 21.61S 68.76W 120–4 3.4L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0. Presumed earthquake.
ISC X 18 11 06 52.3–1.6 21.88S–.03 68.66W–.08 118–16 42 1-5
SJA X 18 11 06 50.9–.52 21.88S 68.60W 118–5 3.2L,3.0W **¶625233759**
GUC X 18 11 06 52.2–.75 21.90S 68.64W 120–8 2.6L,3.0W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=6.4km az=-1.0. Presumed earthquake.
ISC X 20 00 22 29.5–1.8 21.90S–.04 68.76W–.09 138–12 44 1-5
SJA X 20 00 22 30.6–.79 21.88S 68.88W 127–6 3.4L,3.4W **¶625230078**
GUC X 20 00 22 31.1–.80 21.90S 68.65W 125–5 3.5L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=6.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.0km az=-1.0. Presumed earthquake.
ISC X 24 02 05 18.7–2.0 21.55S–.04 68.57W–.09 138–17 47 1-3
GUC X 24 02 05 18.4–.68 21.56S 68.51W 138–5 3.4L **¶625230179**
SJA X 24 02 05 18.4–.67 21.54S 68.60W 138–5 3.5W,3.4L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=5.4km az=-1.0. Presumed earthquake.
ISC X 26 04 01 00.3–1.6 20.36S–.03 68.98W–.08 95–10 44 0-3
SJA X 26 04 00 58.0–.64 20.38S 68.95W 105–3 3.5L,3.5W **¶625230244**
GUC X 26 04 00 59.6–.75 20.37S 68.95W 101–5 3.4L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0. Presumed earthquake.
ISC X 25 23 04 16.6–1.8 22.35S–.05 67.64W–.08 186–17 57 2-9
SJA X 25 23 04 15.0–1.7 22.39S 67.44W 170 3.2W,3.0L **¶625230236**
GUC X 25 23 04 18.9–.79 22.32S 67.76W 190–11 3.3L,3.0L
SCB X 25 23 04 18.5–1.6 22.35S 67.62W 150–29 3.2L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.2km s-min=14.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=9.4km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.7km s-min=5.3km az=1.0.
ISC X 30 05 13 17.3–.69 21.17S–.03 68.72W–.05 149–7 99 1-39
SJA X 30 05 13 17.5–.66 21.15S 68.63W 140 3.7W,3.6L **¶621244336**
GUC X 30 05 13 18.8–.65 21.15S 68.60W 135–4 3.6L,3.6L
NEIC X 30 05 13 18.1–1.0 21.17S–.06 68.62W–.06 138–8 4.2b,3.6L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 02 18 38 31.1–1.7 21.17S–.04 67.60W–.04 201–14 78 2-8
SJA XI 02 18 38 30.8–.58 21.12S 67.61W 205 3.3W,3.1L **¶625425941**
SCB XI 02 18 38 32.8–1.6 21.17S 67.59W 178–12 5.5b,3.5L
GUC XI 02 18 38 33.4–.63 21.13S 68.02W 223–7 3.3L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.2km s-min=3.1km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=8.4km az=-1.0. Presumed earthquake.
SJA X 31 15 45 03.6–1.4 21.98S 68.61W 110 3.0W,2.9L
¶621244748
SJA Event type se. Error ellipse: s-maj=4.5km s-min=12.7km az=-1.0. Presumed earthquake.
ISC X 31 15 46 01.0–.68 20.49S–.03 68.86W–.05 118–6 4.1b 84 0-150
SJA X 31 15 46 00.2–.82 20.45S 68.84W 124–5 3.8W,3.6L **¶625829962**
GUC X 31 15 46 01.8–.64 20.45S 68.86W 118–4 3.4L,3.6L
NEIC X 31 15 46 01.1–.88 20.45S–.03 68.8W–.10 114–6 4.2b,3.4L
IDC X 31 15 46 03.4–2.9 20.45S 68.34W 130–28 3.9,3.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=5.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=4.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=4.1km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.4km s-min=23.1km az=91.0.
ISC XI 03 14 07 01.8–1.7 21.95S–.04 67.18W–.04 201–14 54 2-8
SCB XI 03 14 07 01.8–1.4 21.98S 67.18W 199–9 3.3L **¶625426198**
SJA XI 03 14 07 01.4–.67 21.90S 67.20W 210–7 3.4L,3.3W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.7km s-min=3.4km az=0.0.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.6km az=-1.0. Presumed earthquake.
ISC XI 10 00 01 03.6–.96 21.50S–.05 67.96W–.06 121 34 1-145
SCB XI 10 00 01 03.9–1.6 21.56S 68.02W 113–37 3.3L **¶621440035**
GUC XI 10 00 01 04.1–.53 21.51S 68.10W 147–6 3.0L
IDC XI 10 00 01 05.2–6.2 21.35S 67.53W 136–70 3.9,3.7b
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=8.4km s-min=6.2km az=1.0.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=99.0km s-min=38.1km az=111.0.
ISC XI 06 02 04 16.5–.70 21.60S–.03 68.49W–.06 127–7 4.1b 87 1-145
IDC XI 06 02 04 14.4–2.0 21.69S 68.39W 98–20 3.8,3.4b **¶621370656**
SJA XI 06 02 04 16.4–.63 21.56S 68.64W 137–4 3.7L,3.7W
NEIC XI 06 02 04 17.4–2.3 21.57S–.05 68.54W–.09 128–3 4.1b,3.6L
GUC XI 06 02 04 17.9–.66 21.57S 68.57W 130–4 3.6L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=14.7km az=89.0.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.5km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0. Presumed earthquake.
ISC XI 07 11 43 57.1–1.8 21.25S–.04 67.35W–.04 196–16 47 2-8
SCB XI 07 11 43 57.5–1.9 21.20S 67.33W 183–27 2.9L **¶625426757**
SJA XI 07 11 43 57.4–.66 21.26S 67.36W 192–6 3.1W,2.7L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=8.9km s-min=7.0km az=0.0.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0. Presumed earthquake.
ISC XI 11 15 59 07.6–1.3 21.73S–.03 68.71W–.05 97–10 52 0-5
SJA XI 11 15 59 05.4–.60 21.74S 68.74W 110–4 3.5W,3.3L **¶625537072**
GUC XI 11 15 59 06.9–.81 21.77S 68.68W 101–6 3.4L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.8km az=-1.0. Presumed earthquake.
ISC XI 13 01 44 57.7–1.5 21.78S–.03 68.52W–.06 140–13 59 1-5
SJA XI 13 01 44 56.9–.64 21.78S 68.58W 139–4 3.5L,3.5W **¶625537099**
GUC XI 13 01 44 59.2–.75 21.76S 68.53W 131–7 3.6L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=5.8km az=-1.0. Presumed earthquake.
ISC XI 18 09 18 56.7–1.8 21.16S–.04 67.39W–.04 196–17 69 2-8
SJA XI 18 09 18 56.7–1.4 21.24S 67.23W 175 3.1W,2.8L **¶625427730**
SCB XI 18 09 18 58.6–1.9 21.09S 67.37W 170–31 3.2L,2.8L
GUC XI 18 09 18 59.3–.76 21.10S 67.44W 184–6 3.0L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.8km s-min=8.0km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.0km s-min=6.4km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. Presumed earthquake.
ISC XI 15 04 54 32.4–1.6 22.00S–.04 67.41W–.04 198–15 57 2-8
SCB XI 15 04 54 34.5–1.7 21.97S 67.39W 168–16 5.5b,3.8L **¶625427532**
SJA XI 15 04 54 34.0–1.2 21.97S 67.43W 175 3.3L,3.3W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=8.9km s-min=5.4km az=0.0.
SJA Event type se. Error ellipse: s-maj=3.2km s-min=3.2km az=-1.0. Presumed earthquake.

ISC XI 15 22 31 01.3–.62 21.99S–.03 68.86W–.05 128–6 4.2b 144 1-146
NEIC XI 15 22 31 01.9–1.5 21.96S–.04 68.84W–.06 119–4 4.3b,3.9L ¶621409286
SJA XI 15 22 31 01.1–.86 21.99S 68.88W 125 4.1L,3.9W
GUC XI 15 22 31 02.4–.79 21.97S 68.83W 120–5 3.9L,3.9W
VAO XI 15 22 31 02.4–1.1 21.88S 68.66W 121 4.2b,3.9W
IDC XI 15 22 31 18.5–2.1 20.67S 68.00W 215–18 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.7km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=6.4km s-min=10.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=28.3km s-min=25.6km az=100.0.
ISC XI 19 00 54 23.4–1.6 21.81S–.03 68.9W–.10 131–13 50 1-5
SJA XI 19 00 54 22.6–1.1 21.81S 68.74W 120 3.6W,3.2L ¶625537248
GUC XI 19 00 54 23.9–.79 21.81S 68.76W 118–5 3.2L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=6.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.3km az=-1.0. Presumed earthquake.
ISC XI 18 14 10 05.1–.57 20.95S–.03 68.81W–.04 119–5 4.6b 205 1-160
IDC XI 18 14 10 04.4–2.3 20.99S 68.64W 105–20 4.4,4.1b ¶621416062
SJA XI 18 14 10 04.6–.72 20.92S 68.86W 124–3 4.7L,4.4W
GUC XI 18 14 10 05.4–.65 20.93S 68.87W 127–4 4.5L,4.4W
NEIC XI 18 14 10 05.2–2.0 20.92S–.03 68.78W–.09 115–6 4.7b,4.6
VAO XI 18 14 10 05.6–.57 20.85S 68.60W 115 5.0b,4.6
GFZ XI 18 14 10 06.4–.19 21S–2.0 69W–4.0 112–4 5.1b,4.7
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 21 21 36 20.9–1.5 21.99S–.03 68.87W–.09 136–9 70 0-5
SJA XI 21 21 36 20.7–1.1 21.99S 68.82W 130 3.5L,3.5W ¶625537301
GUC XI 21 21 36 21.6–.78 21.99S 68.77W 125–4 3.7L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=6.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0. Presumed earthquake.
ISC XI 21 10 45 03.9–1.6 21.34S–.03 68.96W–.09 106–13 45 1-3
SJA XI 21 10 45 02.9–1.3 21.32S 68.95W 108–9 3.1L,2.9W ¶625537293
GUC XI 21 10 45 03.4–.78 21.36S 68.87W 106–6 2.6L,2.9W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=10.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.8km az=-1.0. Presumed earthquake.
ISC XI 21 10 46 06.1–.75 21.19S–.03 68.95W–.05 121–7 94 1-77
IDC XI 21 10 46 04.2–2.6 21.46S 68.57W 81–25 3.7,3.5b ¶621608911
NEIC XI 21 10 46 06.3–.85 21.21S–.04 68.90W–.07 117–8 4.0b,3.5b
SJA XI 21 10 46 06.0–1.8 21.20S 68.99W 121–9 3.6W,3.5L
GUC XI 21 10 46 07.2–1.0 21.19S 68.88W 114–4 3.7L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=48.1km s-min=19.7km az=107.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=7.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0. Presumed earthquake.
ISC XI 21 05 32 22.5–.78 20.79S–.03 68.98W–.06 109–8 72 1-23
VAO XI 21 05 31 53.8–1.1 21.32S 70.93W 10 4.0b ¶625537289
SJA XI 21 05 32 22.3–.63 20.77S 69.01W 112–3 3.8L,3.7W
GUC XI 21 05 32 23.6–.94 20.77S 68.98W 110–4 3.8L,3.7W
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=6.8km s-min=10.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0. Presumed earthquake.
ISC XI 24 18 18 22.2–.55 21.27S–.03 67.52W–.03 175–5 4.6b 360 2-153
SJA XI 24 18 18 22.3–1.2 21.27S 67.65W 193 4.6L,4.2W ¶621460257
IDC XI 24 18 18 22.7–1.5 21.17S 67.38W 170–12 4.5,4.5s
NEIC XI 24 18 18 22.5–1.3 21.26S–.05 67.51W–.08 174–5 4.6b,4.3
GFZ XI 24 18 18 22.9–.20 21S–2.0 68W–4.0 177–4 5.4b,4.8
SCB XI 24 18 18 23.2–3.6 21.22S 67.56W 38–22 5.1b,4.7L
GUC XI 24 18 18 23.7–.68 21.29S 67.76W 201–4 5.0L,4.7L
VAO XI 24 18 18 24.0–.37 21.11S 67.30W 180 4.5b,4.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=5.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=15.2km s-min=10.7km az=60.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.5km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SCB Event type se. Error ellipse: s-maj=9.7km s-min=6.9km az=0.0.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=3.4km s-min=3.7km az=-1.0. Presumed earthquake.
ISC XI 22 11 07 20.0–.59 21.09S–.03 68.59W–.04 135–6 4.2b 187 1-145
VAO XI 22 11 07 19.8–.63 21.02S 68.52W 130 4.1b ¶621428176
NEIC XI 22 11 07 20.4–.93 21.08S–.03 68.54W–.08 132–7 4.2b,3.9L
GFZ XI 22 11 07 20.6–.19 21S–2.0 69W–3.0 139 5.1b,4.4
SJA XI 22 11 07 20.2–.95 21.09S 68.65W 140 3.9L,3.9W
GUC XI 22 11 07 21.0–.75 21.09S 68.64W 128–4 3.9L,3.9W
IDC XI 22 11 07 21.9–2.5 21.01S 68.23W 134–23 4.2,3.9b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=4.7km s-min=7.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=4.8km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=4.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=30.1km s-min=18.9km az=104.0.
ISC XI 23 01 37 02.6–1.7 21.91S–.04 67.14W–.04 210–14 86 2-8
SJA XI 23 01 37 03.8–.65 21.86S 67.17W 200–6 3.5W,3.4L ¶625427892
SCB XI 23 01 37 04.9–1.9 21.88S 67.18W 182–17 4.0b,3.9L
GUC XI 23 01 37 05.1–.85 21.83S 67.48W 230–12 3.8L,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=2.2km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=10.8km s-min=5.7km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=11.0km az=-1.0. Presumed earthquake.
ISC XI 23 03 49 28.4–.61 21.40S–.03 68.89W–.05 127–6 4.0b 138 1-146
VAO XI 23 03 49 04.1–1.4 21.88S 70.33W 10 4.2b ¶621448764
IDC XI 23 03 49 27.8–2.5 21.53S 68.64W 104–22 4.1,3.8b
NEIC XI 23 03 49 28.9–1.2 21.40S–.04 68.85W–.06 119–6 4.2b,4.1L
SJA XI 23 03 49 28.0–.71 21.36S 68.94W 130–4 4.0L,3.9W
GUC XI 23 03 49 29.6–.85 21.37S 68.88W 121–6 4.1L,3.9W
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=7.0km s-min=13.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=27.7km s-min=24.8km az=39.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.1km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=5.7km az=-1.0. Presumed earthquake.
ISC XI 29 08 18 50.2–1.8 21.95S–.04 68.71W–.06 134–13 50 1-4
SJA XI 29 08 18 50.4–.98 21.92S 68.77W 132 3.6L,3.6W ¶625537421
GUC XI 29 08 18 51.2–.72 21.96S 68.65W 125–3 3.6L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=5.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0. Presumed earthquake.

ISC XI 25 13 32 02.0–.65 21.10S–.04 67.50W–.03 192–6 4.0b 146 2-153
SJA XI 25 13 32 00.7–.69 21.01S 67.48W 210–5 3.8L,3.7W ¶621618706
IDC XI 25 13 32 02.4–2.5 21.10S 67.34W 187–24 3.9,3.5b
NEIC XI 25 13 32 02.8–1.7 21.03S–.04 67.6W–.10 199–8 4.0b,4.0L
GUC XI 25 13 32 03.7–.74 21.04S 67.66W 201–6 4.0L,4.0L
SCB XI 25 13 32 03.0–1.7 21.06S 67.49W 174–14 4.7b,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=38.2km s-min=20.1km az=91.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.6km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=5.3km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.9km s-min=3.6km az=0.0.
ISC XI 25 17 52 01.6–1.9 21.88S–.04 67.26W–.04 198–15 73 1-6
SJA XI 25 17 52 00.8–.62 21.83S 67.19W 205–5 3.1W,2.8L ¶625427985
SCB XI 25 17 52 03.2–1.6 21.82S 67.26W 174–16 3.1L,2.8L
GUC XI 25 17 52 03.8–.73 21.88S 67.53W 220–9 3.2L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.4km s-min=2.3km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.7km s-min=4.8km az=2.0.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=8.6km az=-1.0. Presumed earthquake.
ISC XI 27 17 52 48.2–1.3 21.83S–.06 67.13W–.05 180 39 2-8
SCB XI 27 17 52 46.6–1.7 21.87S 67.12W 197–12 3.8L ¶625428042
SJA XI 27 17 52 46.0 21.88S 67.18W 218 3.4L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.4km s-min=3.8km az=0.0.
SJA Event type se. Presumed earthquake.
ISC XI 27 19 16 31.0–1.5 21.09S–.03 67.93W–.04 166–13 79 1-8
SCB XI 27 19 16 31.6–1.6 21.10S 67.94W 158–13 3.1L ¶625428043
SJA XI 27 19 16 31.4–.96 21.04S 68.02W 169 3.3W,3.1L
GUC XI 27 19 16 32.5–.90 21.07S 68.11W 180–9 3.5L,3.1L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.3km s-min=3.8km az=0.0.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=7.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=8.7km az=-1.0. Presumed earthquake.
ISC XI 28 09 31 24.7–1.7 21.32S–.05 67.88W–.05 181–16 43 2-8
SCB XI 28 09 31 24.7–1.6 21.42S 67.82W 167–12 3.2L ¶625428058
SJA XI 28 09 31 25.5–1.2 21.31S 67.93W 170 3.3W,2.9L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.4km s-min=3.9km az=0.0.
SJA Event type se. Error ellipse: s-maj=4.5km s-min=7.4km az=-1.0. Presumed earthquake.
ISC XII 03 01 31 54.5–.52 22.12S–.03 67.36W–.03 181–5 4.6b 387 1-164
VAO XII 03 01 31 50.9–.35 22.02S 67.52W 170 4.8b ¶621611303
NEIC XII 03 01 31 54.3–2.1 22.06S–.06 67.22W–.09 167–5 4.6b,4.5
IDC XII 03 01 31 54.5–1.6 22.03S 67.19W 173–14 4.6,4.1b
SJA XII 03 01 31 54.2–.68 22.10S 67.36W 190–6 4.5L,4.3W
SCB XII 03 01 31 55.3–2.1 22.13S 67.31W 173–15 5.4b,4.6L
GFZ XII 03 01 31 55.0–.18 22S–2.0 67W–3.0 185–5 5.3b,4.7
GUC XII 03 01 31 55.5–.71 22.06S 67.60W 212–4 4.8L,4.7
CATAC XII 03 01 31 56.4–1.2 22S–4.0 68W–7.0 189–21 5.2,5.2
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Presumed earthquake.
SCB Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Presumed earthquake.
CATAC Event type se. automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 30 13 44 04.7–1.8 21.77S–.04 68.68W–.09 111–12 37 1-3
SJA XI 30 13 44 03.3–.43 21.81S 68.74W 122–4 3.6W,3.2L ¶625537438
GUC XI 30 13 44 04.9–.89 21.78S 68.62W 105–4 3.1L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=5.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0. Presumed earthquake.
ISC XII 02 10 29 07.6–2.2 22.08S–.06 67.41W–.05 197–19 42 2-9
SCB XII 02 10 29 09.5–1.5 22.05S 67.40W 176–15 4.1b,2.9L ¶625428210
GUC XII 02 10 29 10.0–.69 22.05S 67.63W 206–7 3.1L,2.9L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=10.5km s-min=3.8km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=5.7km az=-1.0. Presumed earthquake.
ISC XII 02 11 39 02.2–1.8 22.20S–.05 67.23W–.04 200–15 62 2-8
SJA XII 02 11 39 02.9–.60 22.20S 67.23W 204–6 3.1W,2.7L ¶625428212
SCB XII 02 11 39 04.1–1.7 22.16S 67.28W 183–24 3.1L,2.7L
GUC XII 02 11 39 06.5–.74 22.16S 67.58W 209–9 3.0L,2.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=2.3km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=7.9km s-min=6.1km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=8.8km az=-1.0. Presumed earthquake.
ISC XII 03 22 28 26.2–.93 21.33S–.03 68.57W–.06 141–8 55 1-145
SJA XII 03 22 28 23.6–.66 21.34S 68.47W 148–5 3.3W,3.1L ¶621630622
GUC XII 03 22 28 25.3–.49 21.34S 68.45W 131–5 3.1L,3.1L
IDC XII 03 22 28 26.9–9.3 21.34S 68.04W 134–64 3.6,3.4b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=90.6km s-min=57.8km az=41.0.
ISC XII 03 00 05 33.2–1.5 20.71S–.03 69.00W–.07 90–10 54 1-3
GUC XII 03 00 05 31.7–.70 20.72S 68.90W 98–3 3.5L ¶625752581
SJA XII 03 00 05 31.5–1.5 20.68S 69.00W 96–8 3.5W,3.4L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.2km s-min=7.2km az=-1.0. Presumed earthquake.
ISC XII 05 03 30 21.7–1.7 21.37S–.05 67.31W–.05 193–17 52 2-8
SJA XII 05 03 30 20.4–.59 21.40S 67.28W 213–6 3.0W,2.8L ¶625428276
SCB XII 05 03 30 23.0–1.4 21.41S 67.32W 170–18 3.1L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.5km s-min=5.0km az=0.0.
ISC XII 03 23 16 14.2–1.7 22.13S–.04 67.34W–.04 206–15 72 2-9
SJA XII 03 23 16 14.7–.64 22.08S 67.37W 207–6 3.1W,2.8L ¶625428250
SCB XII 03 23 16 16.7–1.5 22.07S 67.38W 177–15 2.9L,2.8L
GUC XII 03 23 16 17.6–.63 22.05S 67.73W 221–9 3.2L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.4km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.7km s-min=4.8km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=8.6km az=-1.0. Presumed earthquake.
ISC XII 06 05 48 54.5–.58 20.36S–.03 68.75W–.05 125–5 4.2b 140 0-145
SJA XII 06 05 48 53.9–.61 20.36S 68.77W 129–3 3.8L,3.8W ¶621632580
NEIC XII 06 05 48 55.0–1.0 20.34S–.04 68.74W–.09 122–5 4.3b,4.0L
GUC XII 06 05 48 55.8–.86 20.34S 68.75W 121–5 4.0L,4.0L
VAO XII 06 05 48 56.5–.99 20.32S 68.53W 134 4.4b,4.0L
IDC XII 06 05 48 57.8–2.4 20.23S 68.35W 139–22 4.0,3.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.4km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=3.9km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=5.2km s-min=9.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=32.2km s-min=21.2km az=113.0.
ISC XII 05 10 37 11.9–1.6 21.15S–.03 68.85W–.07 115–12 52 1-4
SJA XII 05 10 37 09.1–.67 21.17S 68.73W 123–4 3.6L,3.6W ¶625752666
GUC XII 05 10 37 09.9–.76 21.17S 68.71W 111–5 3.5L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0. Presumed earthquake.
ISC XII 07 07 11 27.8–1.4 20.88S–.03 68.93W–.06 91–10 51 1-4

SJA XII 07 07 11 24.1–.82 20.91S 68.80W 106–5 3.5W,3.4L ¶625752697
GUC XII 07 07 11 25.8–.92 20.89S 68.85W 104–5 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=6.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=4.6km az=-1.0. Presumed earthquake.
ISC XII 09 22 13 04.6–1.0 21.47S–.03 68.62W–.10 136–9 58 1-145
SJA XII 09 22 13 02.4–.67 21.51S 68.52W 144–6 3.3W,3.0L ¶621636596
GUC XII 09 22 13 04.4–.73 21.49S 68.45W 124–3 3.1L,3.0L
IDC XII 09 22 13 20.3–15 20.10S 67.45W 226–91 3.6,3.2b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=6.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=241.7km s-min=34.7km az=16.0.
ISC XII 13 19 02 46.7–1.4 21.80S–.03 68.86W–.06 121–9 59 0-5
SJA XII 13 19 02 45.6–.62 21.80S 68.84W 124–3 3.5W,3.4L ¶625752878
GUC XII 13 19 02 47.4–.93 21.82S 68.79W 114–5 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0. Presumed earthquake.
ISC XII 12 19 05 42.5–.65 21.66S–.04 68.10W–.05 115–6 4.5b 148 1-154
NEIC XII 12 19 05 43.1–2.1 21.72S–.06 68.06W–.08 117–6 4.5b ¶621627828
VAO XII 12 19 05 43.2–.62 21.64S 67.92W 111 4.8b
IDC XII 12 19 05 45.0–2.1 21.54S 68.10W 128–18 4.5,4.1b
GUC XII 12 19 05 45.7–.80 21.62S 68.35W 141–6 4.5L,4.1b
SJA XII 12 19 05 45.6–.27 21.71S 68.28W 100 4.3W,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=9.1km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.2km s-min=6.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=18.5km s-min=13.3km az=78.0.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=5.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=-1.0. Presumed earthquake.
ISC XII 14 08 40 16.7–.63 21.06S–.03 68.85W–.04 105–6 4.0b 99 1-145
SJA XII 14 08 40 16.2–.69 21.09S 68.77W 98–5 3.9W,3.6L ¶621629974
GUC XII 14 08 40 17.8–.80 21.08S 68.84W 102–5 3.7L,3.6L
IDC XII 14 08 40 17.5–3.1 20.97S 68.79W 104–30 3.8,3.5b
NEIC XII 14 08 40 17.2–1.2 21.08S–.03 68.83W–.06 106–6 4.2b,3.7L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 14 10 29.9–.69 21.14S–.03 68.73W–.06 139–6 4.0b 114 1-145
SJA XII 15 14 10 28.7–.63 21.11S 68.71W 140 3.8L,3.8W ¶621654116
IDC XII 15 14 10 28.7–2.1 21.23S 68.31W 115–21 3.9,3.4b
NEIC XII 15 14 10 29.9–.82 21.09S–.04 68.72W–.06 136–4 4.1b,3.7L
GUC XII 15 14 10 30.1–.82 21.12S 68.63W 131–5 3.7L,3.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=50.9km s-min=15.9km az=92.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.0km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=5.7km az=-1.0. Presumed earthquake.
ISC XII 14 06 24 33.8–1.6 21.17S–.04 67.89W–.04 170–15 51 1-8
SCB XII 14 06 24 32.5–1.4 21.31S 67.89W 169–13 3.2L ¶625428608
SJA XII 14 06 24 33.5–.57 21.15S 68.03W 174–6 3.3W,2.9L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=0.0.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=5.0km az=-1.0. Presumed earthquake.
ISC XII 15 22 27 30.4–2.1 21.73S–.05 67.10W–.05 208–18 43 1-4
SCB XII 15 22 27 31.2–1.5 21.74S 67.10W 188–18 3.3L ¶625428636
SJA XII 15 22 27 32.3–.70 21.59S 67.09W 171–10 3.2W,2.9L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.9km s-min=5.6km az=0.0.
SJA Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=-1.0. Presumed earthquake.
ISC XII 16 04 40 41.3–1.2 21.19S–.04 67.64W–.04 176–12 58 2-25
SJA XII 16 04 40 40.5–.67 21.20S 67.83W 178–6 3.3L,3.3W ¶625428671
SCB XII 16 04 40 43.7–1.7 21.18S 67.60W 108–31 3.5L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.4km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=0.0.
ISC XII 17 15 32 28.9–1.6 21.17S–.03 67.60W–.04 202–12 88 2-8
SJA XII 17 15 32 29.2–.61 21.12S 67.64W 203–6 3.4W,3.3L ¶625428719
SCB XII 17 15 32 30.7–1.8 21.13S 67.60W 176–14 4.7b,3.5L
GUC XII 17 15 32 31.9–.61 21.15S 67.78W 200–6 3.7L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=3.7km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=0.0.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=5.9km az=-1.0. Presumed earthquake.
ISC XII 17 16 00 24.6–1.6 21.29S–.04 68.03W–.05 182–13 59 1-5
GUC XII 17 16 00 25.9–.61 21.23S 68.04W 177–6 3.0L ¶625428720
SCB XII 17 16 00 25.8–1.7 21.30S 67.97W 155–20 3.3L
SJA XII 17 16 00 25.3–1.1 21.26S 68.01W 173 3.1W,2.9L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.8km s-min=6.0km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=9.9km s-min=7.1km az=1.0.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=4.2km az=-1.0. Presumed earthquake.
ISC XII 19 11 17 24.9–.51 21.76S–.03 68.68W–.04 112–5 4.5b 265 1-154
NEIC XII 19 11 17 24.6–1.2 21.75S–.04 68.56W–.08 107–5 4.5b,4.4 ¶621633683
NEIC XII 19 11 17 24.6 21.75S 68.55W 106 4.5b,4.4
SJA XII 19 11 17 24.7–.74 21.72S 68.75W 128–6 4.3L,4.3W
VAO XII 19 11 17 25.4–.63 21.65S 68.40W 111–6 4.7b,4.3W
GUC XII 19 11 17 25.5–.82 21.73S 68.71W 112–4 4.3L,4.3W
GFZ XII 19 11 17 26.4–.19 22S–2.0 69W–4.0 115–5 5.1b,4.7
IDC XII 19 11 17 26.2–.69 21.73S 68.44W 113–6 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.4km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.06 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$3.80 $M_{r\theta}$1.62 $M_{\theta\phi}$-0.95 $M_{\theta r}$-2.02 NP1:ϕ_s190.15000°,δ32.07000°,λ-54.89000°. NP2:ϕ_s330.48000°,δ64.26000°,λ-109.81000°. Principal axes: T 4.6935,Plg17.0000°,Azm75.0000°; N -0.5461,Plg18.0000°,Azm339.0000°; P -4.1474,Plg65.0000°,Azm206.0000° M_ϕ4.45000×10^{15}
NEIC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=3.1km s-min=4.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=19.7km s-min=13.0km az=75.0.
ISC XII 17 19 28 52.6–1.7 18.91S–.04 68.07W–.06 226–14 69 0-7
SCB XII 17 19 28 54.3–1.9 18.95S 67.98W 206–17 3.8L,3.7b ¶625428721
SJA XII 17 19 28 54.0–.64 18.85S 68.20W 222–8 3.6L,3.6W
GUC XII 17 19 28 55.7–.67 18.96S 68.28W 219–8 3.6L,3.6W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.6km s-min=4.3km az=1.0.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=7.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=7.0km az=-1.0. Presumed earthquake.
ISC XII 21 15 01 32.8–1.9 20.31S–.04 68.76W–.09 150–10 60 0-3
SJA XII 21 15 01 33.0–.65 20.30S 68.75W 146 3.7L,3.6W ¶625753066
GUC XII 21 15 01 34.6–.74 20.30S 68.75W 139–2 3.6L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0. Presumed earthquake.
ISC XII 20 03 39 58.2–.94 21.61S–.03 68.58W–.07 124–7 3.2b 58 1-91
SJA XII 20 03 39 56.3–.81 21.60S 68.66W 136 3.4W,3.3L ¶621685581
GUC XII 20 03 39 57.4–.68 21.63S 68.49W 122–3 3.5L,3.3L
IDC XII 20 03 40 04.7–7.0 21.04S 67.80W 177–48 3.6,3.0b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=5.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=71.6km s-min=26.6km az=17.0.
ISC XII 25 17 55 00.5–.59 21.33S–.03 67.85W–.03 165–6 4.5b 246 1-153
IDC XII 25 17 55 00.2–1.8 21.35S 67.72W 151–16 4.2,3.7b ¶621653479
SJA XII 25 17 55 00.0–.58 21.32S 67.90W 182 4.0L,4.0W
SCB XII 25 17 55 01.7–1.8 21.38S 67.85W 154–16 4.3L,4.3b
NEIC XII 25 17 55 01.2–2.1 21.33S–.05 67.9W–.10 167–7 4.5b,4.2L
GUC XII 25 17 55 02.1–.64 21.33S 68.00W 181–3 4.2L,4.2L
GFZ XII 25 17 55 02.5–.30 21S–2.0 68W–6.0 165–4 5.0b,4.4
ISC Event type se.
SJA Event type se. Presumed earthquake.
SCB Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 27 19 04 14.6–.87 21.21S–.03 68.82W–.06 124–7 80 1-145
SJA XII 27 19 04 13.1–.76 21.23S 68.74W 132–5 4.0L,3.8W ¶621654273
NEIC XII 27 19 04 14.4–.52 21.18S–.04 68.69W–.08 114–7 4.2b,3.9L
GUC XII 27 19 04 15.2–.59 21.22S 68.72W 115–3 3.9L,3.9L
IDC XII 27 19 04 21.8–8.8 20.68S 68.97W 149–60 3.7,3.6s
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=6.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=4.5km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=112.6km s-min=77.1km az=90.0.
ISC XII 27 12 54 46.6–1.9 22.54S–.05 67.03W–.05 206–16 44 1-5
SJA XII 27 12 54 46.8–.59 22.51S 66.97W 204–5 3.1W,2.8L ¶625429015
SCB XII 27 12 54 49.3–1.4 22.49S 67.09W 172–24 3.1L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.1km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.1km s-min=5.4km az=1.0.
ISC XII 26 12 16 26.0–2.0 21.95S–.05 67.32W–.05 204–17 51 2-4
SCB XII 26 12 16 28.8–1.5 21.92S 67.36W 169–23 2.8L ¶625428990
GUC XII 26 12 16 28.1–.70 21.95S 67.30W 195–5 2.8L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=1.0.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0. Presumed earthquake.
ISC XII 30 22 40 01.4–4.3 21.8S–.20 67.4W–.30 200 17 2-4
SJA XII 30 22 39 44.8–.70 22.83S 66.55W 40 3.5L,3.1W ¶625429101
SCB XII 30 22 40 01.2–1.2 21.71S 67.21W 167–19 3.2L,3.1W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.7km s-min=6.7km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.1km s-min=5.7km az=1.0.
ISC XII 31 20 27 33.8–1.9 21.41S–.05 67.27W–.06 193–18 44 2-8
SJA XII 31 20 27 32.2–.59 21.46S 67.25W 211–7 3.1W,3.0L ¶625429133
SCB XII 31 20 27 34.0–1.7 21.45S 67.28W 178–22 3.5L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=3.0km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=0.0.

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ISC VII 01 12 08 20.6–.76 21.40S–.05 66.73W–.04 235–8 89 1-24
NEIC VII 01 12 08 21.5–1.8 21.40S–.07 66.8W–.10 253–15 4.4b ¶622448446
SCB VII 01 12 08 21.2–1.5 21.40S 66.67W 225–10 4.4L
SJA VII 01 12 08 21.5–.66 21.36S 66.74W 233–5 3.8L,3.8W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.0km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se. Error ellipse: s-maj=5.9km s-min=3.9km az=0.0.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=2.4km az=-1.0. Presumed earthquake.
ISC VII 03 05 11 56.7–2.0 21.42S–.05 66.78W–.05 225–16 46 1-5
SJA VII 03 05 11 57.1–1.5 21.38S 66.66W 200 3.3W,3.2L ¶625421555
SCB VII 03 05 11 58.6–1.3 21.38S 66.80W 205–9 5.7b,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=9.3km s-min=13.8km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.0km s-min=2.9km az=0.0.
ISC VII 04 09 21 15.7–1.3 20.99S–.06 66.71W–.04 200 36 1-5
SCB VII 04 09 21 11.9–1.4 21.08S 66.73W 230–11 3.4L ¶624631832
SJA VII 04 09 21 32.1–.95 21.50S 67.96W 125 3.3W,2.9L
GUC VII 04 09 21 42.5–.88 21.68S 68.51W 128–12 3.1L,2.9L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=0.0.
SJA Event type se. Error ellipse: s-maj=7.5km s-min=10.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=9.5km az=-1.0. Presumed earthquake.
SJA VII 16 04 04 38.4–.73 20.95S 66.46W 268–10 4.2L,3.8W
¶626243485
SJA Event type se. Error ellipse: s-maj=4.5km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VII 17 04 49 27.6–.41 19.88S–.04 66.97W–.04 241 4.2b 115 2-140
IDC VII 17 04 49 27.7–1.1 19.78S 66.85W 235–10 4.2,3.6b ¶620833045
VAO VII 17 04 49 28.5–.53 19.73S 66.92W 242 4.2b,3.6b
NEIC VII 17 04 49 28.2–2.3 19.83S–.07 67.03W–.08 238–8 4.5b,3.6b
SCB VII 17 04 49 28.3–1.4 19.88S 66.94W 223–14 4.3L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=11.6km az=69.0.
VAO Event type se. Error ellipse: s-maj=4.0km s-min=4.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.2km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se. Error ellipse: s-maj=4.7km s-min=3.1km az=0.0.
SCB VII 21 03 42 26.3–1.3 21.51S 66.74W 207–16 5.4b,3.6L
¶625422023
SCB Event type se. Error ellipse: s-maj=7.6km s-min=4.9km az=0.0.
SCB VII 24 04 09 42.3–1.2 21.05S 66.88W 215–8 5.8b,3.3L
¶625422104
SCB Event type se. Error ellipse: s-maj=4.2km s-min=2.5km az=0.0.
ISC VII 29 17 01 58.8–1.9 21.51S–.04 66.70W–.04 232–14 74 1-6
SJA VII 29 17 01 58.8–.73 21.51S 66.67W 231–6 3.6W,3.3L ¶624632322
SCB VII 29 17 01 59.1–1.2 21.48S 66.68W 225–7 3.7L,3.3L
GUC VII 29 17 01 59.7–.57 21.49S 67.03W 267–13 3.8L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=4.6km s-min=2.6km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=12.2km az=-1.0. Presumed earthquake.
SCB VII 24 00 58 43.3–1.7 21.41S 66.61W 234–11 5.7b,3.5L
¶625422103
SCB Event type se. Error ellipse: s-maj=7.2km s-min=5.0km az=0.0.
SCB VII 26 07 09 25.5–1.7 21.81S 63.86W 15–10 6.3b,3.2L
¶625422139
SCB Event type se. Error ellipse: s-maj=10.8km s-min=8.4km az=0.0.
ISC VIII 06 08 45 05.0–.67 20.83S–.04 67.67W–.04 183–9 111 2-61
SJA VIII 06 08 45 05.9–.99 20.83S 67.73W 187–12 3.5W,3.4L ¶620976026
NEIC VIII 06 08 45 06.2–1.3 20.79S–.06 67.8W–.10 203–15 4.0b,3.6L
SCB VIII 06 08 45 07.4–1.8 20.84S 67.63W 147–21 4.4b,4.0L
IDC VIII 06 08 45 07.9–1.5 20.60S 67.37W 209–25 3.8,2.8b
GUC VIII 06 08 45 08.6–.43 20.80S 67.87W 178–5 3.6L,2.8b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.0km s-min=3.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=4.3km az=116.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se. Error ellipse: s-maj=5.1km s-min=4.2km az=1.0.
IDC Error ellipse: s-maj=24.6km s-min=14.6km az=60.0.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VIII 01 15 26 18.6–.45 21.33S–.03 66.68W–.03 228–4 4.6b 322 1-160

NEIC VIII 01 15 26 18.7–1.3 21.33S–.06 66.66W–.08 229–6 4.6b **¶620925705**
VAO VIII 01 15 26 18.7–.51 21.31S 66.62W 239–5 4.7b
SCB VIII 01 15 26 18.8–1.7 21.44S 66.67W 228–10 4.8L
IDC VIII 01 15 26 19.6–.69 21.28S 66.50W 230–5 4.7,4.1b
SJA VIII 01 15 26 19.1–.60 21.36S 66.72W 228–4 4.6L,4.4W
GFZ VIII 01 15 26 19.5–.19 21S–2.0 67W–3.0 227–4 4.7,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
SCB Event type se.
SJA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 05 11 25 17.2–.94 20.60S–.04 67.43W–.04 196–10 81 2-76
SJA VIII 05 11 25 16.5–.64 20.62S 67.46W 209–5 3.6W,3.3L **¶620998804**
SCB VIII 05 11 25 17.7–1.6 20.65S 67.43W 187–23 3.8L,3.3L
GUC VIII 05 11 25 17.9–.47 20.63S 67.65W 218–6 3.6L,3.3L
IDC VIII 05 11 25 18.8–1.6 20.41S 67.18W 211–23 3.8,3.2b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=2.1km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.2km s-min=5.1km az=0.0.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=5.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=22.8km s-min=20.1km az=90.0.
ISC VIII 02 16 32 27.2–1.4 21.39S–.05 66.65W–.06 219 38 1-5
SJA VIII 02 16 32 24.7–.67 21.24S 66.51W 251–13 3.4W,3.3L **¶625422322**
SCB VIII 02 16 32 28.8–1.0 21.36S 66.67W 204–14 3.7L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.7km s-min=4.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=0.0.
ISC VIII 18 14 11 28.2–1.8 20.86S–.04 67.19W–.06 220–16 52 2-8
SCB VIII 18 14 11 29.0–1.7 20.86S 67.19W 208–20 3.4L **¶625422790**
SJA VIII 18 14 11 29.5–.76 20.84S 67.17W 204–11 3.1W,2.9L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.6km s-min=5.3km az=2.0.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VIII 07 03 00 06.0–2.0 21.47S–.06 66.68W–.05 216–19 45 1-8
SJA VIII 07 03 00 04.8–1.1 21.51S 66.67W 234–11 3.2W,3.0L **¶625422474**
SCB VIII 07 03 00 05.8–1.5 21.48S 66.66W 214–17 5.6b,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.3km s-min=5.7km az=0.0.
ISC VIII 17 12 04 20.8–2.1 21.43S–.06 66.86W–.05 215–17 38 1-5
SJA VIII 17 12 04 18.9–.70 21.70S 66.99W 232–7 3.3W,2.8L **¶625422742**
SCB VIII 17 12 04 21.6–1.1 21.38S 66.90W 202–9 3.4L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=7.0km s-min=5.1km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=0.0.
ISC VIII 20 10 44 28.1–2.8 21.60S–.06 66.67W–.08 226–22 33 1-5
SJA VIII 20 10 44 26.3–.78 21.68S 66.61W 246–11 3.3W,2.8L **¶625422840**
SCB VIII 20 10 44 28.4–1.0 21.62S 66.71W 215–15 2.2L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.2km s-min=4.8km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.8km s-min=5.6km az=0.0.
ISC VIII 31 09 13 26.1–1.8 20.91S–.04 67.53W–.04 178–17 51 2-8
SJA VIII 31 09 13 24.9–.68 20.92S 67.60W 204–8 3.1W,2.8L **¶625423159**
SCB VIII 31 09 13 26.2–1.6 20.93S 67.53W 171–16 3.3L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=4.4km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=0.0.
ISC VIII 26 08 31 43.0–.80 20.65S–.05 66.80W–.04 247–8 4.4b 86 1-28
NEIC VIII 26 08 31 44.2–.76 20.61S–.08 66.9W–.20 255–13 4.4b **¶621007949**
SCB VIII 26 08 31 44.7–1.6 20.55S 66.78W 230–15 4.2L
SJA VIII 26 08 31 44.0–.61 20.56S 66.79W 242–5 4.0L,3.8W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=10.1km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se. Error ellipse: s-maj=6.6km s-min=3.9km az=0.0.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=2.1km az=-1.0. Presumed earthquake.
ISC X 08 16 41 29.7–2.3 21.55S–.05 66.87W–.05 211–20 45 1-4
SJA X 08 16 41 29.3–.67 21.62S 66.85W 209–6 3.1W,2.8L **¶625424430**
SCB X 08 16 41 30.9–1.3 21.55S 66.92W 195–19 3.0L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.9km s-min=5.8km az=1.0.
ISC IX 11 06 08 49.4–2.3 20.54S–.06 66.84W–.05 225–23 40 1-7
SCB IX 11 06 08 49.5–1.7 20.54S 66.81W 222–23 3.7L **¶625423531**
SJA IX 11 06 08 49.3–2.5 20.58S 66.85W 234–24 3.6W,3.1L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.0km s-min=4.7km az=0.0.
SJA Event type se. Error ellipse: s-maj=9.8km s-min=9.2km az=-1.0. Presumed earthquake.
ISC IX 24 06 50 11.0–.76 21.47S–.05 66.86W–.04 222–8 108 1-28
NEIC IX 24 06 50 11.8–.65 21.46S–.08 67.0W–.20 234–14 4.1b **¶621109281**
SJA IX 24 06 50 11.8–1.2 21.48S 66.86W 218–10 3.7L,3.6W
SCB IX 24 06 50 11.4–1.7 21.51S 66.83W 215–11 4.1L,3.6W
GUC IX 24 06 50 13.4–.59 21.42S 67.25W 252–13 3.8L,3.6W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=12.1km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=4.3km s-min=4.3km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.9km s-min=3.4km az=0.0.
GUC Event type se. Error ellipse: s-maj=2.9km s-min=12.4km az=-1.0. Presumed earthquake.
SCB IX 02 03 49 40.3–1.4 20.14S 65.53W 21–5 4.2b,3.5L ¶625423220
SCB Event type se. Error ellipse: s-maj=5.9km s-min=3.3km az=1.0.
ISC IX 12 01 29 01.0–2.2 21.42S–.05 66.86W–.05 219–18 47 1-5
SJA IX 12 01 29 00.2–.54 21.38S 66.78W 227–7 3.0W,2.8L **¶625423568**
SCB IX 12 01 29 02.0–1.4 21.40S 66.88W 205–11 3.0L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=2.5km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.4km s-min=4.2km az=0.0.
ISC IX 21 16 44 03.6–1.8 21.43S–.04 66.83W–.05 236–15 58 1-8
SJA IX 21 16 44 03.9–.70 21.37S 66.78W 228–5 3.5L,3.3W **¶625423870**
SCB IX 21 16 44 04.7–1.4 21.44S 66.81W 221–14 5.4b,3.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=2.2km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=0.0.
SCB IX 01 13 57 42.8–1.8 20.09S 65.31W 360–21 4.2L ¶625423191
SCB Event type se. Error ellipse: s-maj=10.8km s-min=5.7km az=0.0.
ISC IX 06 22 57 07.8–1.8 21.05S–.04 66.68W–.04 247–14 63 1-5
SCB IX 06 22 57 08.6–1.5 21.03S 66.65W 237–9 3.9L **¶625423354**
SJA IX 06 22 57 09.5–.68 21.00S 66.69W 230–6 3.6L,3.5W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=0.0.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=2.1km az=-1.0. Presumed earthquake.
ISC IX 17 11 25 42.1–2.0 21.44S–.05 66.78W–.05 220–16 54 1-5
SCB IX 17 11 25 42.7–1.3 21.39S 66.77W 210–10 3.1L **¶625423749**
SJA IX 17 11 25 42.1–.71 21.47S 66.77W 216–6 3.1W,3.0L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.5km s-min=4.5km az=0.0.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=2.3km az=-1.0. Presumed earthquake.
ISC IX 30 09 44 11.0–.46 21.54S–.04 66.69W–.03 221–4 4.4b 308 1-167
SCB IX 30 09 44 10.0–1.7 21.64S 66.62W 227–10 5.1b,4.5L **¶621113291**
VAO IX 30 09 44 10.6–.85 21.34S 66.76W 228–7 4.5b,4.5L
SJA IX 30 09 44 10.9–.65 21.57S 66.75W 232–8 4.6L,4.2W
GUC IX 30 09 44 10.5–.61 21.49S 66.94W 264–7 4.7L,4.2W
NEIC IX 30 09 44 10.7–2.0 21.56S–.06 66.60W–.06 213–5 4.6,4.5b
GFZ IX 30 09 44 11.8–.24 22S–2.0 67W–5.0 230–6 5.4b,4.8
IDC IX 30 09 44 12.6–.70 21.40S 66.44W 229–6 4.4,3.8b
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=6.6km s-min=4.5km az=0.0.
VAO Event type se. Error ellipse: s-maj=5.8km s-min=6.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.1km s-min=10.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.2km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=13.1km s-min=9.5km az=73.0.
ISC X 19 09 37 51.8–1.6 21.42S–.04 66.77W–.04 230–13 80 1-8
SCB X 19 09 37 51.1–1.6 21.46S 66.71W 239–8 3.7L **¶625233779**
GUC X 19 09 37 52.0–.64 21.41S 66.80W 225–10 3.8L
SJA X 19 09 37 52.3–.68 21.41S 66.74W 223–4 3.5W,3.4L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.1km s-min=3.6km az=0.0.
GUC Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0. Presumed earthquake.
ISC X 10 14 43 59.6–1.3 21.66S–.06 66.67W–.05 219 31 1-6
SJA X 10 14 43 59.6–.69 21.59S 66.65W 220–12 3.3L,3.3W **¶625424494**
SCB X 10 14 44 00.2–1.5 21.67S 66.72W 213–11 5.9b,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.0km s-min=5.2km az=0.0.
ISC X 15 04 57 04.3–1.8 20.59S–.05 67.35W–.06 208–19 39 2-8
SJA X 15 04 57 02.7–.87 20.54S 67.38W 229 3.2W,2.8L **¶625424740**
SCB X 15 04 57 04.2–1.6 20.56S 67.35W 198–23 2.9L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.4km s-min=5.2km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=7.5km s-min=5.5km az=2.0.
ISC X 17 13 48 05.2–1.3 21.47S–.06 66.67W–.06 219 35 1-8
SJA X 17 13 48 03.0 21.52S 66.72W 261 3.2L **¶625424780**
SCB X 17 13 48 03.3–1.2 21.55S 66.64W 232–7 2.7L
ISC Event type se.
SJA Event type se. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.2km s-min=3.4km az=0.0.
ISC X 22 07 07 33.2–1.8 21.52S–.04 66.97W–.05 219–15 70 1-7
SJA X 22 07 07 31.9–.55 21.46S 66.92W 232–6 3.5W,3.2L **¶625230114**
SCB X 22 07 07 33.3–1.8 21.57S 66.91W 213–12 3.9L,3.2L
GUC X 22 07 07 34.5–.70 21.52S 67.18W 244–8 3.8L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=2.0.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=7.6km az=-1.0. Presumed earthquake.
ISC X 30 17 58 41.8–1.7 21.43S–.04 66.79W–.04 222–15 57 1-8
SCB X 30 17 58 42.1–1.6 21.46S 66.75W 215–11 3.4L **¶625230315**
GUC X 30 17 58 43.9–.62 21.38S 67.39W 281–23 3.3L
SJA X 30 17 58 43.7–1.3 21.46S 66.82W 200 3.8W,3.3L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.0km s-min=4.0km az=0.0.
GUC Event type se. Error ellipse: s-maj=5.8km s-min=26.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=5.3km s-min=5.1km az=-1.0. Presumed earthquake.
ISC X 30 09 48 05.2–2.0 19.41S–.05 67.11W–.06 238–16 45 1-6
SJA X 30 09 48 05.0–.61 19.34S 67.60W 299–8 3.5W,3.2L **¶625425318**
SCB X 30 09 48 07.0–1.8 19.44S 67.10W 216–16 2.8L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=9.2km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.5km s-min=5.0km az=2.0.
ISC XI 04 01 14 21.5–.81 21.10S–.04 66.63W–.04 244–8 84 1-28
SCB XI 04 01 14 21.6–2.0 21.07S 66.59W 241–11 5.8b,3.4L **¶622506126**
SJA XI 04 01 14 21.4–.61 21.06S 66.59W 247–5 3.3W,3.1L
NEIC XI 04 01 14 22.6–1.2 21.08S–.08 66.7W–.10 255–15 4.2b,3.1L
ISC Event type se.
SCB Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 02 13 46 27.9–2.5 21.53S–.06 66.78W–.06 231–20 44 1-4
SJA XI 02 13 46 27.5–.57 21.47S 66.70W 231–6 3.2W,2.9L **¶625425940**
SCB XI 02 13 46 30.4–1.5 21.49S 66.83W 202–21 3.1L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.4km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.3km s-min=6.9km az=1.0.
ISC XI 03 02 29 11.7–1.9 21.51S–.05 66.80W–.05 221–15 67 1-8
SCB XI 03 02 29 11.6–1.8 21.54S 66.78W 217–12 5.3b,3.3L **¶625426195**
SJA XI 03 02 29 11.4–.67 21.50S 66.74W 227–7 3.3W,3.0L
GUC XI 03 02 29 13.1–.70 21.49S 67.15W 253–19 3.3L,3.0L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.5km s-min=3.8km az=0.0.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=17.8km az=-1.0. Presumed earthquake.
ISC XI 12 11 28 33.5–2.2 20.75S–.05 67.53W–.07 192–20 31 2-5
SJA XI 12 11 28 31.5–.62 20.74S 67.54W 217–9 3.1W,2.6L **¶625427332**
SCB XI 12 11 28 32.9–1.4 20.77S 67.51W 184–21 2.6L,2.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=4.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=8.3km s-min=6.2km az=0.0.
ISC XI 12 00 32 14.0–.62 21.61S–.04 66.75W–.04 220–6 4.3b 131 1-161
SJA XI 12 00 32 13.6–.71 21.55S 66.73W 229–6 4.0L,3.8W **¶621399232**
NEIC XI 12 00 32 14.5–1.5 21.62S–.07 66.82W–.07 227–9 4.3b,3.8W
IDC XI 12 00 32 15.1–1.8 21.42S 66.57W 213–19 3.9,3.4b
SCB XI 12 00 32 16.1–1.7 21.55S 66.79W 192–22 4.5L,3.4b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=2.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.7km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=17.3km az=93.0.
SCB Event type se. Error ellipse: s-maj=9.8km s-min=6.3km az=0.0.
ISC XI 08 07 50 42.5–1.8 21.48S–.05 66.87W–.04 221–15 45 1-8
SCB XI 08 07 50 42.7–1.9 21.50S 66.87W 215–14 4.8b,3.4L **¶625426952**
SJA XI 08 07 50 42.7–.71 21.43S 66.81W 218–7 3.2W,2.8L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=8.1km s-min=4.9km az=0.0.
SJA Event type se. Error ellipse: s-maj=3.5km s-min=2.8km az=-1.0. Presumed earthquake.
ISC XI 30 14 18 56.2–2.0 21.40S–.05 66.82W–.05 219–17 42 1-5
SJA XI 30 14 18 53.7–.48 21.31S 66.72W 239–6 3.2W,3.0L **¶625428133**
SCB XI 30 14 18 56.2–1.4 21.44S 66.83W 209–15 3.2L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=6.9km s-min=5.0km az=0.0.
ISC XI 22 04 24 04.4–1.9 21.56S–.04 66.82W–.05 214–16 48 1-6
SJA XI 22 04 24 03.9–.61 21.58S 66.78W 221 3.0W,2.7L **¶625427861**
SCB XI 22 04 24 04.8–1.5 21.59S 66.84W 205–11 3.1L,2.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.9km s-min=4.7km az=0.0.
ISC XI 29 13 46 10.3–1.8 21.11S–.07 66.43W–.10 243 36 1-5
SCB XI 29 13 46 09.6–1.3 21.13S 66.43W 246–16 2.8L **¶625428098**
SJA XI 29 13 46 09.5–1.1 20.94S 66.49W 268 3.0W,2.8L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=8.6km s-min=7.0km az=0.0.
SJA Event type se. Error ellipse: s-maj=7.7km s-min=12.1km az=-1.0. Presumed earthquake.
ISC XI 20 18 07 58.9–1.9 21.46S–.04 66.79W–.05 227–15 56 1-5
SJA XI 20 18 07 58.4–1.1 21.42S 66.76W 233–10 3.4L,3.4W **¶625427819**
SCB XI 20 18 07 59.4–1.5 21.45S 66.78W 216–12 3.6L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=-1.0. Presumed earthquake.
SCB Event type se. Error ellipse: s-maj=5.9km s-min=4.6km az=1.0.

ISC	**XII**	**07 07 47 11.2–.42**	**21.59S–.03**	**66.68W–.03**	**218–3**	**4.8b**	**432**	**1-166**	
VAO	XII	07 07 47 09.9–.37	21.57S	66.75W	223	4.7b			**¶621615805**
SCB	XII	07 07 47 10.8–1.7	21.71S	66.64W	226–11	5.5b,5.0L			
NEIC	XII	07 07 47 11.3–2.5	21.58S–.05	66.62W–.07	209–3	4.8b,5.0L			
SJA	XII	07 07 47 11.3–.67	21.63S	66.71W	227–5	4.8L,4.4W			
IDC	XII	07 07 47 12.7–.71	21.53S	66.55W	224–5	4.9,4.3b			
GFZ	XII	07 07 47 12.2–.22	22S–2.0	67W–4.0	216–4	5.3b,5.0b			
ISC	Event type se.								
VAO	Event type se. Presumed earthquake.								
SCB	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
SJA	Event type se. Presumed earthquake.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
ISC	**XII**	**08 12 34 20.0–1.7**	**20.83S–.04**	**67.56W–.04**	**186–14**		**55**	**2-5**	
SJA	XII	08 12 34 19.6–.74	20.80S	67.64W	197–9	3.2W,3.0L			**¶625428375**
SCB	XII	08 12 34 20.9–1.1	20.84S	67.55W	165–9	3.4L,3.0L			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=2.5km s-min=7.3km az=-1.0. Presumed earthquake.								
SCB	Event type se. Error ellipse: s-maj=3.6km s-min=2.7km az=0.0.								
ISC	**XII**	**10 08 57 34.6–2.1**	**19.63S–.05**	**66.85W–.06**	**277–18**		**48**	**1-7**	
SJA	XII	10 08 57 33.3–.75	19.59S	67.29W	344–11	3.7L,3.6W			**¶625428437**
SCB	XII	10 08 57 35.6–2.0	19.60S	66.85W	263–21	3.9L,3.6W			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=5.4km s-min=15.2km az=-1.0. Presumed earthquake.								
SCB	Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=2.0.								
ISC	**XII**	**10 14 31 21.3–1.8**	**20.88S–.04**	**67.19W–.04**	**220–16**		**54**	**1-8**	
SJA	XII	10 14 31 21.1–.68	20.87S	67.15W	220	3.4W,3.3L			**¶625428438**
SCB	XII	10 14 31 22.2–1.9	20.90S	67.15W	204–23	3.5L,3.3L			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=2.3km s-min=2.4km az=-1.0. Presumed earthquake.								
SCB	Event type se. Error ellipse: s-maj=7.8km s-min=6.4km az=0.0.								
ISC	**XII**	**20 09 12 45.4–.65**	**21.58S–.04**	**66.81W–.04**	**217–7**	**3.4b**	**124**	**1-153**	
IDC	XII	20 09 12 44.3–1.5	21.59S	66.58W	206–16	3.7,3.0b			**¶621634786**
NEIC	XII	20 09 12 46.2–1.5	21.56S–.07	67.06W–.09	254–14	4.2b,3.9L			
SCB	XII	20 09 12 46.8–1.8	21.55S	66.83W	203–13	4.5b,4.0L			
SJA	XII	20 09 12 46.0–.95	21.54S	66.80W	211–6	3.6W,3.4L			
GUC	XII	20 09 12 47.3–.72	21.54S	67.09W	246–10	3.9L,3.4L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=27.2km s-min=14.2km az=94.0.								
NEIC	Event type se. Error ellipse: s-maj=14.2km s-min=6.0km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
SCB	Event type se. Error ellipse: s-maj=8.0km s-min=5.1km az=0.0.								
SJA	Event type se. Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=2.7km s-min=9.6km az=-1.0. Presumed earthquake.								
ISC	**XII**	**12 13 32 37.9–.56**	**21.61S–.04**	**66.69W–.03**	**235–6**	**4.3b**	**162**	**1-145**	
VAO	XII	12 13 32 36.7–1.3	21.67S	66.85W	241–16	3.8b			**¶621627810**
IDC	XII	12 13 32 38.7–26	21.46S	66.42W	220–232	3.9,3.4b			
NEIC	XII	12 13 32 38.5–.65	21.68S–.08	66.8W–.10	250–8	4.3b,3.4b			
SCB	XII	12 13 32 38.6–1.7	21.64S	66.64W	225–11	5.0b,4.4L			
SJA	XII	12 13 32 38.7–.77	21.61S	66.67W	230–5	4.1L,3.9W			
ISC	Event type se.								
VAO	Event type se. Error ellipse: s-maj=5.7km s-min=8.4km az=-1.0. Presumed earthquake.								
IDC	Error ellipse: s-maj=66.2km s-min=36.4km az=120.0.								
NEIC	Event type se. Error ellipse: s-maj=13.8km s-min=11.2km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
SCB	Event type se. Error ellipse: s-maj=7.9km s-min=4.8km az=0.0.								
SJA	Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=-1.0. Presumed earthquake.								
ISC	**XII**	**14 21 15 55.5–1.3**	**21.50S–.05**	**66.79W–.05**	**207**		**40**	**1-5**	
SCB	XII	14 21 15 53.5–1.9	21.52S	66.74W	223–12	3.4L			**¶625428609**
SJA	XII	14 21 15 53.0	21.52S	66.76W	248	3.2L			
ISC	Event type se.								
SCB	Event type se. Error ellipse: s-maj=7.3km s-min=5.5km az=0.0.								
SJA	Event type se. Presumed earthquake.								
ISC	**XII**	**10 23 52 08.2–2.1**	**21.59S–.05**	**66.79W–.05**	**210–18**		**43**	**1-8**	
SJA	XII	10 23 52 06.5–2.2	21.66S	66.78W	236–28	3.3W,3.0L			**¶625428441**
SCB	XII	10 23 52 08.0–1.6	21.58S	66.80W	208–13	3.6L,3.0L			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=8.5km s-min=9.2km az=-1.0. Presumed earthquake.								
SCB	Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=0.0.								
ISC	**XII**	**19 10 23 02.1–.62**	**20.74S–.04**	**67.44W–.04**	**198–6**	**4.2b**	**154**	**2-149**	
IDC	XII	19 10 23 01.6–1.5	20.77S	67.26W	182–15	4.1,3.5b			**¶621633682**
SJA	XII	19 10 23 01.5–.77	20.80S	67.46W	213–10	3.8L,3.8W			
SCB	XII	19 10 23 02.6–2.0	20.81S	67.42W	194–16	4.6b,4.3L			
NEIC	XII	19 10 23 02.5–.99	20.79S–.08	67.5W–.10	212–9	4.5b,4.3L			
GUC	XII	19 10 23 03.7–.74	20.76S	67.48W	200–5	4.3L,4.3L			
VAO	XII	19 10 23 04.9–.94	20.59S	67.16W	197–10	4.0b,4.3L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=20.9km s-min=13.9km az=85.0.								
SJA	Event type se. Error ellipse: s-maj=3.6km s-min=4.2km az=-1.0. Presumed earthquake.								
SCB	Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=0.0.								
NEIC	Event type se. Error ellipse: s-maj=14.5km s-min=10.9km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GUC	Event type se. Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0. Presumed earthquake.								
VAO	Event type se. Error ellipse: s-maj=7.4km s-min=10.1km az=-1.0. Presumed earthquake.								
ISC	**XII**	**20 01 04 24.6–1.7**	**20.94S–.04**	**67.84W–.04**	**157–17**		**52**	**1-5**	
SJA	XII	20 01 04 23.3–1.5	20.94S	67.83W	169–15	3.1W,2.8L			**¶625428828**
GUC	XII	20 01 04 24.6–.39	20.91S	67.94W	179–4	3.2L,2.8L			
SCB	XII	20 01 04 25.7–1.3	20.94S	67.83W	115–23	3.1L,2.8L			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=5.3km s-min=7.1km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0. Presumed earthquake.								
SCB	Event type se. Error ellipse: s-maj=5.5km s-min=3.2km az=0.0.								
SCB	**XII**	**22 12 30 48.2–1.3**	**21.58S**	**66.71W**	**205–19**	**2.7L**			**¶625428910**
SCB	Event type se. Error ellipse: s-maj=7.8km s-min=6.9km az=0.0.								
ISC	**XII**	**22 00 29 19.6–2.4**	**21.46S–.05**	**66.72W–.06**	**225–21**		**30**	**1-5**	
SCB	XII	22 00 29 19.7–1.6	21.52S	66.72W	216–22	3.4L			**¶625428902**
SJA	XII	22 00 29 19.5–1.2	21.45S	66.68W	229–13	3.1L,2.9W			
ISC	Event type se.								
SCB	Event type se. Error ellipse: s-maj=8.9km s-min=6.6km az=0.0.								
SJA	Event type se. Error ellipse: s-maj=4.9km s-min=5.3km az=-1.0. Presumed earthquake.								
ISC	**XII**	**23 09 21 52.3–1.2**	**21.44S–.05**	**66.86W–.05**	**207**		**41**	**1-8**	
SCB	XII	23 09 21 51.4–1.2	21.46S	66.82W	210–14	3.2L			**¶625428940**
SJA	XII	23 09 21 51.3–.84	21.40S	66.80W	214–12	3.1W,2.8L			
ISC	Event type se.								
SCB	Event type se. Error ellipse: s-maj=5.6km s-min=3.9km az=2.0.								
SJA	Event type se. Error ellipse: s-maj=4.1km s-min=3.4km az=-1.0. Presumed earthquake.								
ISC	**XII**	**22 14 36 27.4–1.8**	**21.10S–.04**	**66.53W–.05**	**249–14**		**53**	**1-7**	
SJA	XII	22 14 36 25.6–.61	21.06S	66.46W	277–8	3.4L,3.2W			**¶625428911**
SCB	XII	22 14 36 27.5–1.4	21.09S	66.57W	251–9	3.7L,3.2W			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=3.4km s-min=4.0km az=-1.0. Presumed earthquake.								
SCB	Event type se. Error ellipse: s-maj=5.7km s-min=3.5km az=0.0.								
ISC	**XII**	**25 01 47 51.9–2.1**	**19.51S–.05**	**66.68W–.05**	**273–16**		**51**	**1-6**	
SCB	XII	25 01 47 51.5–1.9	19.51S	66.61W	280–9	3.0L			**¶625428961**
SJA	XII	25 01 47 52.7–.62	19.48S	67.02W	318–13	3.5W,3.4L			
ISC	Event type se.								
SCB	Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=0.0.								
SJA	Event type se. Error ellipse: s-maj=3.0km s-min=12.6km az=-1.0. Presumed earthquake.								
ISC	**XII**	**27 08 04 11.7–1.5**	**21.69S–.06**	**66.45W–.07**	**219**		**41**	**1-5**	
SJA	XII	27 08 04 06.8–.66	21.69S	66.28W	267–8	3.2W,2.9L			**¶625429013**
SCB	XII	27 08 04 09.2–1.4	21.68S	66.41W	240–19	3.1L,2.9L			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=3.4km s-min=3.4km az=-1.0. Presumed earthquake.								
SCB	Event type se. Error ellipse: s-maj=8.9km s-min=7.2km az=1.0.								
ISC	**XII**	**28 01 10 33.1–1.9**	**21.55S–.05**	**66.90W–.05**	**228–16**		**45**	**1-8**	
SCB	XII	28 01 10 35.1–1.7	21.49S	66.89W	204–21	3.8L			**¶625429036**
SJA	XII	28 01 10 35.0–.67	21.50S	66.86W	206–7	3.3L,3.3W			
ISC	Event type se.								
SCB	Event type se. Error ellipse: s-maj=10.3km s-min=5.8km az=0.0.								
SJA	Event type se. Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0. Presumed earthquake.								

(127) Chile-Argentina border region.

ISC	**VII**	**01 02 23 39.5–1.8**	**24.24S–.04**	**67.24W–.06**	**211–14**		**54**	**1-6**	
SJA	VII	01 02 23 41.6–.77	24.26S	67.21W	181–10	3.5W,3.3L			**¶624631719**
GUC	VII	01 02 23 43.1–.74	24.16S	67.57W	220–11	3.5L,3.3L			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=2.7km s-min=3.0km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=5.3km s-min=11.4km az=-1.0. Presumed earthquake.								
ISC	**VII**	**01 06 44 31.8–1.3**	**32.96S–.03**	**70.22W–.03**	**97–7**		**77**	**0-4**	
SJA	VII	01 06 44 29.1–.76	32.97S	70.23W	117–3	3.5W,3.2L			**¶620969469**
GUC	VII	01 06 44 30.5–.90	32.95S	70.23W	113–3	3.6L,3.2L			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=2.1km s-min=3.0km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=2.4km s-min=3.2km az=-1.0. Presumed earthquake.								
ISC	**VII**	**02 00 59 36.2–.77**	**24.29S–.03**	**67.28W–.03**	**198–8**	**4.4b**	**113**	**1-42**	
NEIC	VII	02 00 59 36.6–1.4	24.29S–.06	67.3W–.10	195–9	4.3b,4.1L			**¶620682310**
GUC	VII	02 00 59 36.8–.70	24.24S	67.23W	188–9	4.1L,4.1L			
SJA	VII	02 00 59 37.5–.99	24.30S	67.23W	150	3.7L,3.6W			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=15.8km s-min=8.6km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GUC	Event type se. Error ellipse: s-maj=3.7km s-min=3.1km az=-1.0. Presumed earthquake.								
SJA	Event type se. Error ellipse: s-maj=2.3km s-min=3.0km az=-1.0. Presumed earthquake.								
ISC	**VII**	**02 17 48 33.8–.72**	**24.05S–.04**	**67.13W–.04**	**193–7**		**110**	**1-147**	
IDC	VII	02 17 48 29.9–11	24.40S	66.98W	140–96	4.2			**¶620714076**
NEIC	VII	02 17 48 33.5–1.6	24.10S–.07	67.0W–.10	180–10	4.4b,3.8L			
SJA	VII	02 17 48 33.8–.62	24.09S	67.09W	195–5	3.7L,3.6W			
GUC	VII	02 17 48 34.7–.66	23.99S	67.09W	195–7	3.8L,3.6W			
ISC	Event type se.								
IDC	Error ellipse: s-maj=115.3km s-min=40.1km az=1.0.								
NEIC	Event type se. Error ellipse: s-maj=16.9km s-min=10.3km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
SJA	Event type se. Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=5.9km s-min=2.7km az=-1.0. Presumed earthquake.								
ISC	**VII**	**03 21 09 14.6–1.7**	**24.26S–.03**	**67.27W–.05**	**203–14**		**63**	**1-5**	
SJA	VII	03 21 09 15.5–.60	24.27S	67.24W	187–5	3.5L,3.3W			**¶624631767**
GUC	VII	03 21 09 17.0–.66	24.26S	67.28W	179–8	3.2L,3.3W			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=1.8km s-min=2.2km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=4.8km s-min=2.8km az=-1.0. Presumed earthquake.								
ISC	**VII**	**05 05 21 04.8–1.8**	**24.01S–.04**	**67.11W–.06**	**213–13**		**57**	**1-5**	
SJA	VII	05 05 21 06.2–.59	24.04S	67.09W	190–5	3.3L,3.3W			**¶624631872**
GUC	VII	05 05 21 08.4–.60	23.92S	67.39W	218–4	3.5L,3.3W			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=1.9km s-min=2.2km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=3.9km s-min=4.7km az=-1.0. Presumed earthquake.								
SJA	**VII**	**06 11 48 39.7–1.1**	**24.12S**	**67.19W**	**179**	**3.2W,2.8L**			**¶626243444**
SJA	Event type se. Error ellipse: s-maj=4.7km s-min=10.0km az=-1.0. Presumed earthquake.								
ISC	**VII**	**09 06 34 00.2–.65**	**29.01S–.03**	**69.81W–.03**	**132–5**	**4.0b**	**147**	**0-171**	
SJA	VII	09 06 33 59.9–.71	29.03S	69.79W	130–3	4.0L,3.8W			**¶620928232**
NEIC	VII	09 06 34 01.2–.90	29.03S–.04	69.9W–.10	130–4	4.1b,4.0L			
GUC	VII	09 06 34 01.7–.82	29.02S	69.83W	128–4	4.0L,4.0L			
IDC	VII	09 06 34 01.9–2.9	29.09S	69.56W	118–22	3.9,3.8b			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0. Presumed earthquake.								
NEIC	Event type se. Error ellipse: s-maj=12.9km s-min=5.9km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GUC	Event type se. Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0. Presumed earthquake.								
IDC	Error ellipse: s-maj=47.9km s-min=17.3km az=94.0.								
GUC	**VII**	**10 22 11 08.3–.56**	**33.11S**	**70.52W**	**102–1**	**3.6L**			**¶620967616**
GUC	Event type se. Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0. Presumed earthquake.								
ISC	**VII**	**11 01 17 49.1–.69**	**24.28S–.03**	**67.29W–.03**	**179–7**	**4.2b**	**113**	**1-163**	
IDC	VII	11 01 17 49.0–2.1	24.27S	66.94W	158–20	3.9,3.7b			**¶620928389**
SJA	VII	11 01 17 49.1–.63	24.25S	67.27W	179–5	3.7L,3.7W			
NEIC	VII	11 01 17 49.8–1.8	24.298S–.01	67.4W–.20	183–10	4.3L,4.3b			
GUC	VII	11 01 17 49.5–.67	24.25S	67.25W	186–6	4.3L,4.3b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=31.4km s-min=18.2km az=106.0.								
SJA	Event type se. Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0. Presumed earthquake.								
NEIC	Event type se. Error ellipse: s-maj=20.2km s-min=1.1km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GUC	Event type se. Error ellipse: s-maj=3.7km s-min=2.2km az=-1.0. Presumed earthquake.								
ISC	**VII**	**11 02 09 03.9–1.9**	**24.24S–.04**	**67.24W–.06**	**197–16**		**43**	**1-5**	
SJA	VII	11 02 09 04.7–.68	24.24S	67.21W	186–6	3.8L,3.7W			**¶624632009**
GUC	VII	11 02 09 06.7–.62	24.18S	67.65W	227–8	3.6L,3.7W			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=3.2km s-min=8.6km az=-1.0. Presumed earthquake.								
ISC	**VII**	**11 16 39 15.0–1.9**	**24.27S–.04**	**67.23W–.05**	**186–17**		**42**	**1-5**	
SJA	VII	11 16 39 14.4–.68	24.26S	67.17W	190–5	3.5W,3.2L			**¶624632027**
GUC	VII	11 16 39 15.5–.62	24.30S	67.88W	252–8	3.3L,3.2L			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=2.1km s-min=2.1km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=3.6km s-min=12.5km az=-1.0. Presumed earthquake.								
ISC	**VII**	**13 23 55 17.8–.30**	**25.71S–.03**	**68.97W–.04**	**121–2**	**4.8b**	**327**	**1-165**	
VAO	VII	13 23 55 15.4–.41	25.69S	68.78W	86	4.8b			**¶620823842**
SJA	VII	13 23 55 16.8–1.6	25.75S	69.03W	124	4.6L,4.6W			
GFZ	VII	13 23 55 17.6–.21	26S–2.0	69W–3.0	106–2	4.7W,4.6b			
NEIC	VII	13 23 55 18.0–2.4	25.74S–.04	69.04W–.04	120–5	4.9,4.9b			
GUC	VII	13 23 55 17.3–.72	25.75S	69.09W	137–6	5.0L,4.9b			
IDC	VII	13 23 55 19.6–.38	25.69S	68.86W	127–3	4.4,4.0b			
ISC	Event type se.								
VAO	Event type se. Error ellipse: s-maj=3.7km s-min=4.4km az=-1.0. Presumed earthquake.								
SJA	Event type se. Error ellipse: s-maj=2.4km s-min=4.5km az=-1.0. Presumed earthquake.								
GFZ	Error ellipse: s-maj=5.8km s-min=4.3km az=90.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. Error ellipse: s-maj=6.9km s-min=3.8km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GUC	Event type se. Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0. Presumed earthquake.								
IDC	Error ellipse: s-maj=18.1km s-min=10.2km az=80.0.								
ISC	**VII**	**14 05 22 34.1–.31**	**33.19S–.02**	**70.28W–.03**	**111–2**	**4.7b**	**466**	**0-165**	
VAO	VII	14 05 22 32.5–.43	33.30S	70.07W	102	4.5b			**¶620823857**
SJA	VII	14 05 22 32.8–.80	33.20S	70.30W	114–2	4.7L,4.7W			
GUC	VII	14 05 22 33.8–.83	33.18S	70.31W	117–1	4.8L,4.7W			
GFZ	VII	14 05 22 34.0–.17	33S–2.0	70W–3.0	100–1	4.8b,4.8			
NEIC	VII	14 05 22 34.0–1.3	33.20S–.04	70.30W–.07	108–4	4.8,4.7b			
IDC	VII	14 05 22 35.2–.55	33.18S	70.08W	113–4	4.5,4.2b			
ISC	Event type se.								
VAO	Event type se. Error ellipse: s-maj=4.4km s-min=5.1km az=-1.0. Presumed earthquake.								
SJA	Event type se. Error ellipse: s-maj=2.0km s-min=2.4km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.5km s-min=2.4km az=-1.0. Presumed earthquake.								
GFZ	Error ellipse: s-maj=6.0km s-min=3.7km az=98.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. Error ellipse: s-maj=8.3km s-min=6.5km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=13.5km s-min=7.9km az=116.0.								
ISC	**VII**	**16 01 39 15.1–.67**	**24.29S–.05**	**67.35W–.06**	**200**		**43**	**2-147**	
IDC	VII	16 01 39 14.7–1.8	24.37S	67.06W	157–21	4.5s,4.2b			**¶620831320**

NEIC VII 16 01 39 16.1–1.3 24.28S–.07 67.4W–.10 201–7 4.4b,4.2L
GUC VII 16 01 39 16.4–.67 24.42S 67.34W 171–10 4.2L,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=15.4km az=106.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.2km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VII 17 01 46 47.5–.80 23.95S–.05 67.24W–.05 187–8 76 1-147
NEIC VII 17 01 46 48.3–1.7 23.96S–.07 67.31W–.05 191–10 4.4b,3.7L **¶620833036**
SJA VII 17 01 46 48.0–.90 23.93S 67.18W 175 3.9L,3.6W
GUC VII 17 01 46 49.5–.80 23.87S 67.41W 202–11 3.7L,3.6W
IDC VII 17 01 47 05.8–10 22.39S 66.55W 270–64 4.3,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.5km az=181.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=8.0km s-min=8.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=141.9km s-min=28.1km az=22.0.
ISC VII 17 06 40 32.2–.38 24.14S–.04 67.15W–.05 181 4.3b 147 2-163
IDC VII 17 06 40 30.3–1.5 24.14S 67.20W 150–14 4.1,3.6b **¶620833086**
NEIC VII 17 06 40 31.2–1.6 24.25S–.06 67.08W–.07 161–5 4.3b,4.3L
GUC VII 17 06 40 31.9–.52 24.29S 67.31W 191–7 4.3L,4.3L
VAO VII 17 06 40 37.4–.92 23.81S 66.91W 210–9 4.2b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=10.5km az=94.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=9.0km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.5km s-min=2.9km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=5.1km s-min=4.8km az=-1.0. Presumed earthquake.
ISC VII 17 06 43 23.6–1.6 28.23S–.04 69.08W–.04 122–13 48 1-5
SJA VII 17 06 43 23.1–.73 28.21S 69.04W 111–5 3.8L,3.7W **¶624632106**
GUC VII 17 06 43 24.2–.87 28.23S 69.37W 143–9 3.8L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.8km s-min=10.4km az=-1.0. Presumed earthquake.
ISC VII 20 05 50 43.9–.84 24.40S–.03 67.23W–.04 189–9 99 1-24
SJA VII 20 05 50 44.1–.67 24.41S 67.21W 183–6 3.6L,3.5W **¶622450724**
NEIC VII 20 05 50 45.1–1.3 24.42S–.07 67.4W–.10 200–13 4.2b,4.0L
GUC VII 20 05 50 45.4–.70 24.43S 67.39W 198–15 4.0L,4.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.4km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=5.7km s-min=8.2km az=-1.0. Presumed earthquake.
ISC VII 22 11 58 34.4–1.8 24.16S–.04 67.20W–.05 198–15 49 1-5
SJA VII 22 11 58 35.0–.66 24.16S 67.19W 194–4 3.5W,3.2L **¶624632214**
GUC VII 22 11 58 37.7–.67 24.02S 67.42W 209–18 3.5L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=8.2km s-min=18.8km az=-1.0. Presumed earthquake.
ISC VII 22 13 11 38.0–1.6 24.22S–.03 67.20W–.04 201–13 63 1-5
SJA VII 22 13 11 38.7–.87 24.23S 67.19W 196–6 3.6L,3.4W **¶624632220**
GUC VII 22 13 11 40.3–.48 24.22S 67.20W 188–5 4.2L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=1.9km az=-1.0. Presumed earthquake.
ISC VII 23 17 27 07.5–1.4 32.01S–.03 70.72W–.04 90–10 59 0-5
SJA VII 23 17 27 05.8–2.2 31.99S 70.68W 105–14 3.8L,3.8W **¶620967869**
GUC VII 23 17 27 06.4–.94 32.01S 70.68W 83–4 3.8L,3.8W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.1km s-min=7.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=5.1km az=-1.0. Presumed earthquake.
ISC VII 23 22 36 25.4–2.0 24.27S–.05 67.23W–.07 193–18 38 1-5
GUC VII 23 22 36 27.6–.61 24.20S 67.51W 219–11 3.4L **¶624632232**
SJA VII 23 22 36 27.7–.74 24.26S 67.22W 150 3.5W,3.2L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=5.7km s-min=12.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=4.5km az=-1.0. Presumed earthquake.
ISC VII 23 23 37 49.3–1.4 34.42S–.04 70.43W–.05 118–7 85 0-5
GUC VII 23 23 37 48.8–.92 34.40S 70.41W 112–3 3.4L **¶620967863**
SJA VII 23 23 37 48.4–1.4 34.42S 70.36W 115 3.6L,3.4W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=4.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.5km s-min=5.0km az=-1.0. Presumed earthquake.
ISC VII 27 00 48 22.3–.59 23.93S–.03 67.15W–.04 184–5 4.2b 231 1-163
IDC VII 27 00 48 21.1–1.5 24.02S 67.06W 163–13 4.4,3.9b **¶620847114**
NEIC VII 27 00 48 22.7–1.9 24.02S–.06 67.14W–.05 193–8 4.4L,4.2b
GFZ VII 27 00 48 22.4–.22 24S–3.0 67W–3.0 180–3 4.3b,4.3
SJA VII 27 00 48 22.3–.70 23.97S 67.15W 186–6 4.2L,4.0W
GUC VII 27 00 48 23.7–.59 23.90S 67.39W 214–7 4.4L,4.0W
VAO VII 27 00 48 24.8–.41 23.73S 67.06W 211 4.5b,4.0W
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=11.4km az=91.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=4.1km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.4km s-min=6.0km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=3.4km s-min=4.5km az=-1.0. Presumed earthquake.
ISC VII 29 02 45 23.6–1.8 24.02S–.04 67.21W–.05 201–13 55 1-5
SJA VII 29 02 45 23.6–.57 24.06S 67.19W 197–4 3.5L,3.5W **¶624632305**
GUC VII 29 02 45 26.1–.66 23.93S 67.46W 216–9 3.6L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.3km s-min=7.8km az=-1.0. Presumed earthquake.
ISC VII 30 08 53 27.7–1.7 24.17S–.04 67.23W–.05 224–13 67 1-5
GUC VII 30 08 53 30.9–.61 24.24S 67.26W 195–6 3.6L **¶624632340**
SJA VII 30 08 53 30.1–.54 24.16S 67.22W 200 3.5W,3.2L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=4.6km s-min=2.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0. Presumed earthquake.
ISC VII 28 13 11 50.4–.84 24.10S–.04 67.69W–.04 163–8 95 1-66
SJA VII 28 13 11 50.6–.61 24.08S 67.66W 166–6 3.5L,3.5W **¶622450804**
NEIC VII 28 13 11 51.1–1.2 24.10S–.01 67.8W–.10 174–9 4.0b,3.5L
GUC VII 28 13 11 52.0–.66 24.08S 67.78W 170–8 3.5L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=1.8km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=7.0km az=-1.0. Presumed earthquake.
ISC VIII 02 02 01 25.1–2.3 28.15S–.05 69.75W–.05 111–20 31 1-3
SJA VIII 02 02 01 23.9–.83 28.15S 69.72W 112–6 3.1W,2.2L **¶624776057**
GUC VIII 02 02 01 25.5–.68 28.18S 69.79W 106–7 2.5L,2.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=2.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=2.5km az=-1.0. Presumed earthquake.
ISC VIII 03 17 00 52.5–.63 24.24S–.04 67.27W–.04 183–6 4.2b 147 1-147
IDC VIII 03 17 00 51.9–1.6 24.24S 67.01W 163–15 4.0,3.6b **¶620961715**
NEIC VIII 03 17 00 52.3–2.7 24.19S–.03 67.2W–.10 181–9 4.3b,4.2
SJA VIII 03 17 00 52.3–.64 24.21S 67.20W 188–6 4.4L,4.1W
GUC VIII 03 17 00 53.2–.74 24.31S 67.27W 184–7 4.4L,4.1W
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=12.1km az=96.0.

NEIC Event type se. Error ellipse: s-maj=17.1km s-min=2.6km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.0km s-min=2.7km az=-1.0. Presumed earthquake.
IDC VIII 02 04 47 28.9–494 34.58S 69.78W 0
¶620993203
IDC Error ellipse: s-maj=184.6km s-min=129.6km az=7.0.
ISC VIII 03 19 32 28.5–.60 32.33S–.02 70.80W–.03 98–5 4.3b 245 0-155
SJA VIII 03 19 32 27.7–.73 32.33S 70.78W 95–3 4.1L,4.0W **¶620965844**
NEIC VIII 03 19 32 28.6–1.6 32.33S–.04 70.77W–.05 91–5 4.4b,4.3L
IDC VIII 03 19 32 28.6–2.6 32.29S 70.70W 89–20 4.0,3.7b
GUC VIII 03 19 32 28.8–.83 32.34S 70.77W 98–3 4.3L,3.7b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.2km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.0km s-min=14.0km az=113.0.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0. Presumed earthquake.
ISC VIII 12 03 58 01.9–1.8 23.89S–.04 67.18W–.04 205–14 51 1-5
SJA VIII 12 03 58 03.7–1.0 23.83S 67.17W 185–7 3.6W,3.5L **¶624776190**
GUC VIII 12 03 58 05.9–.64 23.77S 67.44W 211–4 3.7L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=4.4km az=-1.0. Presumed earthquake.
ISC VIII 07 23 39 42.2–.72 24.27S–.04 67.31W–.04 188–7 71 1-66
SJA VIII 07 23 39 41.9–1.0 24.25S 67.28W 190–7 3.6W,3.4L **¶620976258**
NEIC VIII 07 23 39 42.4–1.7 24.32S–.07 67.36W–.06 191–11 4.3b,4.0L
GUC VIII 07 23 39 42.1–.70 24.26S 67.27W 198–9 4.0L,4.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.7km s-min=3.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.8km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VIII 12 09 00 21.3–1.8 24.01S–.04 67.18W–.05 203–15 56 1-5
SJA VIII 12 09 00 21.9–1.3 24.01S 67.14W 192–10 3.3W,2.9L **¶624776192**
GUC VIII 12 09 00 23.7–.70 23.97S 67.20W 189–7 3.3L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.9km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.0km s-min=2.5km az=-1.0. Presumed earthquake.
ISC VIII 13 23 54 09.2–1.3 31.77S–.02 70.19W–.03 134–8 117 1-5
SJA VIII 13 23 54 09.2–.71 31.75S 70.13W 130–3 3.2W,2.9L **¶621071607**
GUC VIII 13 23 54 10.9–.76 31.77S 70.40W 134–4 3.3L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=6.6km az=-1.0. Presumed earthquake.
ISC VIII 13 03 33 00.3–2.2 32.75S–.03 70.69W–.03 37–1 59 0-4
SJA VIII 13 03 32 57.1–.66 32.70S 70.64W 34–1 3.1L,3.1W **¶621071620**
GUC VIII 13 03 32 58.9–.79 32.75S 70.64W 52–2 3.0L,3.1W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0. Presumed earthquake.
ISC VIII 18 10 07 54.6–1.4 32.00S–.02 70.69W–.04 104–9 72 0-3
SJA VIII 18 10 07 54.1–.50 31.95S 70.62W 101–4 3.4W,3.2L **¶624776294**
GUC VIII 18 10 07 55.2–.77 32.02S 70.71W 105–3 3.3L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=3.4km az=-1.0. Presumed earthquake.
ISC VIII 14 08 25 47.2–1.4 24.16S–.04 67.21W–.06 181 41 1-5
SJA VIII 14 08 25 45.9–.60 24.16S 67.10W 191–6 3.0W,2.8L **¶624776232**
GUC VIII 14 08 25 47.5–.51 24.02S 67.15W 189–8 2.8L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=7.0km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VIII 17 02 19 27.4–.63 24.24S–.03 67.25W–.05 176–7 4.2b 153 1-147
IDC VIII 17 02 19 27.4–1.9 24.24S 67.00W 159–17 4.2,3.8b **¶620990413**
VAO VIII 17 02 19 27.5–.56 24.25S 67.26W 183 4.2b,3.8b
SJA VIII 17 02 19 27.6–.74 24.23S 67.26W 186–7 4.2L,3.9W
NEIC VIII 17 02 19 27.4–1.7 24.28S–.04 67.2W–.10 176–8 4.5,4.4b
GUC VIII 17 02 19 29.0–.53 24.20S 67.71W 234–5 4.6L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=14.1km az=108.0.
VAO Event type se. Error ellipse: s-maj=4.0km s-min=6.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=5.7km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.8km az=-1.0. Presumed earthquake.
ISC VIII 17 10 05 32.6–1.6 31.78S–.03 70.50W–.04 110–12 71 0-3
SJA VIII 17 10 05 31.9–.69 31.77S 70.44W 108–4 3.6W,3.5L **¶621071659**
GUC VIII 17 10 05 33.1–.60 31.85S 70.64W 99–3 3.7L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=5.9km az=-1.0. Presumed earthquake.
ISC VIII 19 20 34 05.0–1.4 31.75S–.03 70.51W–.04 113–9 89 0-5
SJA VIII 19 20 34 03.8–.67 31.74S 70.44W 119–4 3.2W,2.6L **¶624776315**
GUC VIII 19 20 34 05.4–.80 31.80S 70.66W 101–4 2.6L,2.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=5.9km az=-1.0. Presumed earthquake.
ISC VIII 20 03 48 17.4–1.8 24.0S–.10 67.10W–.10 181 22 1-4
SJA VIII 20 03 48 17.8–.73 23.91S 67.06W 176–9 3.2W,2.8L **¶625829275**
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.1km s-min=4.9km az=-1.0. Presumed earthquake.
ISC VIII 21 08 19 56.5–.61 33.91S–.03 70.30W–.04 116–4 4.0b 132 0-160
SJA VIII 21 08 19 55.3–.66 33.95S 70.28W 119–2 3.8L,3.8W **¶620999299**
NEIC VIII 21 08 19 56.7–1.3 33.91S–.05 70.35W–.06 114–6 4.2b,3.8W
GUC VIII 21 08 19 57.2–.58 33.93S 70.34W 117–3 3.7L,3.8W
IDC VIII 21 08 19 57.2–2.0 33.98S 69.92W 125–18 3.6,3.4b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.0km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.9km s-min=4.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=30.8km s-min=14.3km az=91.0.
ISC VIII 22 12 21 04.2–1.4 32.86S–.03 70.24W–.04 112–7 70 0-3
SJA VIII 22 12 21 02.7–.73 32.86S 70.21W 119–3 3.6L,3.5W **¶624776356**
GUC VIII 22 12 21 03.8–.79 32.84S 70.28W 106–3 3.5L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.0km az=-1.0. Presumed earthquake.
ISC VIII 22 13 12 05.5–.97 24.15S–.04 67.20W–.04 206–8 82 1-24
SJA VIII 22 13 12 05.0–.66 24.13S 67.14W 204–5 3.6L,3.6W **¶620999547**
NEIC VIII 22 13 12 06.2–1.2 24.17S–.08 67.3W–.20 205–14 4.1b,3.6W
GUC VIII 22 13 12 07.5–.66 24.09S 67.44W 219–5 3.8L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=1.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=10.9km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.4km s-min=5.2km az=-1.0. Presumed earthquake.
SJA VIII 23 04 27 48.0–.46 24.24S 67.19W 197–6 3.0L,2.8W
¶625829332
SJA Event type se. Error ellipse: s-maj=2.7km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VIII 24 18 28 34.0–1.9 24.25S–.04 67.18W–.06 196–18 53 1-5
SJA VIII 24 18 28 34.3–.59 24.23S 67.13W 190–5 3.5L,3.5W **¶624776392**
GUC VIII 24 18 28 36.5–.58 24.19S 67.44W 213–10 3.7L,3.5W
ISC Event type se.

SJA Event type se. Error ellipse: s-maj=2.5km s-min=2.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.1km s-min=10.0km az=-1.0. Presumed earthquake.
ISC VIII 24 16 06 40.4–1.8 34.98S–.06 70.58W–.07 128–12 27 0-5
SJA VIII 24 16 06 38.5–2.5 35.02S 70.64W 140–14 3.6W,3.5L ¶624776389
GUC VIII 24 16 06 41.7–.67 34.90S 70.60W 127–4 2.5L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=11.8km s-min=15.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=5.5km az=-1.0. Presumed earthquake.
ISC VIII 30 11 07 15.2–1.3 30.31S–.03 69.17W–.03 117–7 64 0-4
SJA VIII 30 11 07 14.7–.85 30.33S 69.13W 112–3 3.4W,3.3L ¶624776500
GUC VIII 30 11 07 16.2–.58 30.29S 69.37W 140–4 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=4.2km az=-1.0. Presumed earthquake.
ISC VIII 24 19 14 09.1–1.1 24.22S–.04 67.02W–.05 161–11 90 1-66
SJA VIII 24 19 14 09.2–.73 24.21S 66.97W 142 3.5L,3.5W ¶621002275
NEIC VIII 24 19 14 11.9–2.3 24.18S–.07 67.4W–.20 199–11 3.8L,3.5W
GUC VIII 24 19 14 12.8–.68 24.08S 67.46W 214–10 4.0L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.2km s-min=3.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=9.6km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.7km s-min=8.3km az=-1.0. Presumed earthquake.
ISC VIII 28 10 54 03.8–1.4 24.10S–.06 67.03W–.06 181 35 1-4
GUC VIII 28 10 54 03.9–.55 23.91S 66.92W 192–10 2.8L ¶624776453
SJA VIII 28 10 54 03.9–.99 24.05S 66.94W 176 3.1W,2.9L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=6.7km s-min=4.4km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=8.2km s-min=5.5km az=-1.0. Presumed earthquake.
SJA VIII 26 09 20 21.6–1.0 24.22S 67.11W 151–14 3.2L,3.2W
¶625829422
SJA Event type se. Error ellipse: s-maj=5.0km s-min=6.6km az=-1.0. Presumed earthquake.
IDC VIII 31 20 50 18.7–379 36.23S 70.47W 0
¶621076642
IDC Error ellipse: s-maj=158.9km s-min=103.8km az=172.0.
SJA VIII 31 15 49 29.9–.66 24.31S 67.22W 187–6 3.6L,3.6W
¶625829493
SJA Event type se. Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0. Presumed earthquake.
ISC IX 01 12 52 51.4–.68 24.32S–.03 67.31W–.03 192–7 4.0b 104 1-147
IDC IX 01 12 52 42.5–2.1 24.07S 67.10W 88–20 3.6,3.4b ¶621022456
SJA IX 01 12 52 51.4–.66 24.27S 67.23W 188–5 3.9L,3.7W
NEIC IX 01 12 52 53.0–1.6 24.31S–.08 67.5W–.10 214–11 4.1b,3.7W
GUC IX 01 12 52 53.3–.79 24.30S 67.61W 217–10 4.0L,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=44.9km s-min=14.3km az=110.0.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.3km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.0km s-min=8.8km az=-1.0. Presumed earthquake.
ISC IX 02 03 14 49.9–.72 24.36S–.04 67.29W–.03 180–8 4.2b 105 1-147
IDC IX 02 03 14 48.7–1.6 24.38S 67.07W 156–17 3.7,3.4b ¶621024220
SJA IX 02 03 14 49.9–.74 24.33S 67.23W 181–5 3.6L,3.6W
NEIC IX 02 03 14 50.1–1.3 24.39S–.08 67.3W–.10 180–14 4.2b,4.1L
GUC IX 02 03 14 51.6–.77 24.23S 67.50W 215–6 4.1L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=13.2km az=100.0.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=10.6km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=5.3km s-min=6.2km az=-1.0. Presumed earthquake.
ISC IX 05 10 51 57.8–.64 24.12S–.04 67.22W–.04 186–6 4.0b 131 1-94
VAO IX 05 10 51 47.5–1.4 24.15S 68.50W 201–13 4.2b ¶621035502
IDC IX 05 10 51 57.0–1.6 24.17S 67.02W 161–16 3.9,3.3b
NEIC IX 05 10 51 57.9–1.4 24.11S–.07 67.39W–.05 217–8 4.5b,4.3L
SJA IX 05 10 51 57.9–.68 24.13S 67.18W 190–6 4.1L,3.9W
GUC IX 05 10 52 00.3–.67 23.94S 67.40W 206–8 4.3L,3.9W
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=7.7km s-min=16.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=19.2km s-min=11.4km az=89.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.1km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.7km s-min=6.6km az=-1.0. Presumed earthquake.
ISC IX 03 15 05 26.9–1.6 27.40S–.04 68.83W–.04 120–16 43 1-3
SJA IX 03 15 05 25.9–1.0 27.38S 68.82W 115–9 3.3W,2.9L ¶624897066
GUC IX 03 15 05 27.3–.74 27.44S 68.94W 126–7 3.5L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.8km s-min=3.3km az=-1.0. Presumed earthquake.
ISC IX 06 22 36 24.6–.53 33.10S–.03 70.16W–.03 116–4 4.3b 213 0-172
SJA IX 06 22 36 23.2–.71 33.11S 70.19W 119–3 4.1W,3.9L ¶621039480
GUC IX 06 22 36 24.1–.81 33.07S 70.17W 110–2 4.3L,3.9L
NEIC IX 06 22 36 24.5–1.3 33.09S–.02 70.22W–.07 110–4 4.4b,4.3L
IDC IX 06 22 36 25.5–1.8 33.17S 69.89W 118–15 4.1,3.9b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=4.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=2.5km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.3km s-min=13.0km az=95.0.
ISC IX 08 17 19 33.5–1.3 32.01S–.02 70.56W–.04 97–9 85 0-4
SJA IX 08 17 19 31.4–.68 32.00S 70.60W 115–4 3.1W,2.7L ¶624897153
GUC IX 08 17 19 32.5–.91 31.99S 70.61W 86–4 2.9L,2.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=6.1km az=-1.0. Presumed earthquake.
ISC IX 07 23 57 57.3–.78 24.29S–.05 67.20W–.04 192–8 85 1-147
SJA IX 07 23 57 56.7–.57 24.30S 67.14W 198–4 3.5W,3.2L ¶621041910
NEIC IX 07 23 57 57.8–1.3 24.29S–.08 67.3W–.10 207–14 4.0b,3.7L
GUC IX 07 23 57 59.7–.45 24.24S 67.56W 221–7 3.7L,3.7L
IDC IX 07 23 58 03.4–2.7 23.85S 66.82W 208–30 3.7,3.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=6.2km az=117.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=7.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=31.3km s-min=23.5km az=106.0.
ISC IX 10 21 07 08.2–.60 24.08S–.04 67.11W–.03 195–6 3.9b 189 1-147
IDC IX 10 21 07 06.9–1.6 24.11S 66.98W 171–15 4.1,3.4b ¶621061021
SJA IX 10 21 07 07.2–.89 24.09S 67.08W 209–5 4.5L,4.1W
NEIC IX 10 21 07 08.4–1.6 24.10S–.07 67.1W–.10 191–7 4.7L,4.7b
GFZ IX 10 21 07 08.6–.22 24S–3.0 67W–4.0 201–6 5.2b,4.8L
VAO IX 10 21 07 10.4–1.3 23.94S 67.08W 226–9 4.3b,4.8L
GUC IX 10 21 07 10.1–.67 23.97S 67.32W 216–10 4.6L,4.8L
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=12.3km az=103.0.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.4km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.6km s-min=5.6km az=93.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
VAO Event type se. Error ellipse: s-maj=7.4km s-min=12.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.3km s-min=8.5km az=-1.0. Presumed earthquake.
ISC IX 11 04 38 37.6–1.7 24.07S–.04 67.13W–.05 208–14 56 1-5
SJA IX 11 04 38 38.2–.61 24.09S 67.10W 199–4 3.4L,3.4W **¶624897176**
GUC IX 11 04 38 41.2–.78 23.95S 67.44W 220–6 3.6L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=1.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=6.1km s-min=7.2km az=-1.0. Presumed earthquake.
ISC IX 12 13 54 04.9–.00 24.12S–.04 67.05W–.04 224–8 81 1-30
GUC IX 12 13 54 07.1–.63 24.09S 67.04W 217–6 3.9L **¶621070690**
SJA IX 12 13 54 07.4–.66 24.10S 67.06W 201–6 3.6W,3.5L
NEIC IX 12 13 54 08.3–.93 24.11S–.06 67.5W–.20 246–20 4.2b,3.7L
ISC Event type se.
GUC Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 11 11 41.4–.80 34.30S–.03 70.30W–.04 132–5 4.1b 134 0-41
NEIC IX 12 11 11 42.0–.95 34.31S–.03 70.31W–.08 131–5 4.1b **¶622452065**
SJA IX 12 11 11 41.2–.68 34.35S 70.25W 129–3 3.6W,3.5L
GUC IX 12 11 11 42.8–.60 34.29S 70.28W 126–1 3.5L,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=4.1km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.0km az=-1.0. Presumed earthquake.
ISC IX 13 10 09 42.2–.57 24.14S–.03 67.04W–.03 185–5 4.3b 235 1-166
SJA IX 13 10 09 41.5–1.0 24.13S 67.00W 198–5 4.1L,4.1W **¶621071758**
IDC IX 13 10 09 41.0–1.7 24.09S 66.88W 170–16 4.3,3.8b
GFZ IX 13 10 09 42.0–.19 24S–2.0 67W–3.0 181–5 5.6b,5.1
NEIC IX 13 10 09 42.1–1.8 24.18S–.06 66.93W–.09 180–6 4.5b,4.5
GUC IX 13 10 09 42.0–.38 24.31S 67.07W 206–3 4.5L,4.5
VAO IX 13 10 09 43.6–1.4 24.02S 66.85W 198–9 4.4b,4.5
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=18.0km s-min=10.8km az=80.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.0km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=9.5km s-min=9.0km az=-1.0. Presumed earthquake.
ISC IX 12 16 51 11.1–1.3 32.09S–.02 70.74W–.04 99–8 80 0-3
GUC IX 12 16 51 10.9–.90 32.08S 70.83W 105–3 3.0L **¶624897215**
SJA IX 12 16 51 10.1–.76 32.09S 70.71W 103–4 3.2W,2.9L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=5.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0. Presumed earthquake.
ISC IX 13 05 18 13.9–.18 23.84S–.02 67.01W–.03 201–1 5.7b 1860 1-175
CATAC IX 13 05 17 59.8–.74 24S–6.0 66W–6.0 78–12 7.5,6.5 **¶621240989**
MOS IX 13 05 18 08.0–1.1 23.71S 67.13W 150 6.0b,6.5
PTWC IX 13 05 18 11 23.90S 67.10W 211 6.1,6.5
GUC IX 13 05 18 11.7–.55 23.84S 67.46W 256–5 6.4L,6.5
OSUNB IX 13 05 18 13.0–.27 23.83S 66.85W 198–2 6.4b,6.5
NEIC IX 13 05 18 12.6 23.90S 67.03W 187 6.4b,6.5
VAO IX 13 05 18 12.1–.49 23.79S 66.97W 196–4 6.2b,6.5
SJA IX 13 05 18 12.6–.61 23.82S 67.13W 187–6 5.9L,5.7W
GFZ IX 13 05 18 12.1 23.86S 66.97W 192 6.2W,5.7W
GFZ IX 13 05 18 12.2–.16 24S–2.0 67W–2.0 180–3 6.3b,6.0
NEIC IX 13 05 18 13.2 23.90S 67.05W 194 6.3b,6.0
IPGP IX 13 05 18 13.0 23.89S 67.02W 212 6.2W,6.0
NEIC IX 13 05 18 14.6–1.1 23.76S–.08 67.01W–.09 205–1 6.2,6.1
BJI IX 13 05 18 15.5 23.90S 67.10W 200 6.0b,6.1
IDC IX 13 05 18 16.0–.28 23.71S 66.81W 211–2 5.9,5.3b
GCMT IX 13 05 18 17.9–.10 23.84S 67.02W 211–0 6.2W,5.3b
NEIC IX 13 05 18 19.7 23.90S 67.05W 190 6.2,5.3b
ISC Event type ke.
CATAC automatic. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
MOS Error ellipse: s-maj=11.1km s-min=6.6km az=92.3.
PTWC CHILE-ARGENTINA BORDER REGION.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=5.6km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=1.5km s-min=1.7km az=0.0.
NEIC Event type se.
VAO Event type se. Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}-0.85 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$1.26 $M_{r\theta}$0.63 $M_{\theta\phi}$-0.00 $M_{\phi r}$-1.81 NP1: ϕ_s206.26961°,δ18.38092°,λ-47.00864°. NP2:ϕ_s341.77968°,δ76.66451°,λ-102.76662°.
Principal axes: T 2.3388,Plg30.5264°,Azm82.2310°; N -0.2662,Plg12.4168°,Azm344.7713°
; P -2.0726,Plg56.5250°,Azm235.3228° $M_0$2.21769×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s195.00000°,δ12.00000°,λ-55.00000°. NP2:ϕ_s339.00000°
,δ80.00000°,λ-97.00000°.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=12.8km az=235.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.67 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$0.88 $M_{r\theta}$0.73 $M_{\theta\phi}$-0.06 $M_{\phi r}$-1.99 NP1:ϕ_s198.97000°,δ12.09000°,λ-52.08000°. NP2:ϕ_s340.42000°
,δ80.49000°,λ-97.50000°. Principal axes: T 2.3252,Plg35.0000°,Azm77.0000°
; N -0.1301,Plg7.0000°,Azm342.0000°; P -2.1951,Plg54.0000°,Azm241.0000°
$M_0$2.26000×10^{18}
IDC Error ellipse: s-maj=7.9km s-min=6.1km az=63.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109130518A. Moment Tensor Solution.
s161,c371; s159,c633;Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.87±.01 $M_{\theta\theta}$-0.33±.01; $M_{\phi\phi}$1.20±.01; $M_{r\theta}$0.85±.01; $M_{\theta\phi}$-0.04±.01; $M_{\phi r}$-2.14±.01; Best double couple: NP1:ϕ_s204.00000°,δ16.00000°,λ-46.00000°. NP2:ϕ_s339.00000°,δ79.00000°,λ-101.00000°.
Principal axes: T 2.6230,Plg33.0000°,Azm79.0000°; N -0.1740,Plg11.0000°,Azm342.0000°
; P -2.4510,Plg55.0000°,Azm236.0000° $M_0$2.53700×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.57 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$0.88 $M_{r\theta}$0.70 $M_{\theta\phi}$0.03 $M_{\phi r}$-2.05 NP1:ϕ_s210.17000°,δ12.61000°
,λ-41.91000°. NP2:ϕ_s341.38000°,δ81.62000°,λ-99.45000°. Principal axes:
T 2.3889,Plg36.0000°,Azm80.0000°; N -0.1779,Plg9.0000°,Azm343.0000°
; P -2.2110,Plg52.0000°,Azm240.0000° $M_0$2.31000×10^{18}
ISC IX 15 04 24 34.2–.69 24.23S–.04 67.19W–.04 198–6 4.3b 112 1-163
IDC IX 15 04 24 33.0–1.7 24.26S 67.07W 158–20 4.0,3.6b **¶621079003**
NEIC IX 15 04 24 34.6–1.7 24.29S–.05 67.1W–.10 200–6 4.4b,4.3L
SJA IX 15 04 24 34.5–.61 24.22S 67.17W 191–5 3.9L,3.7W
GUC IX 15 04 24 36.7–.60 24.08S 67.49W 228–5 4.0L,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=13.8km az=99.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.5km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=1.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=5.6km az=-1.0. Presumed earthquake.
ISC IX 13 21 40 41.3–2.0 24.22S–.05 67.18W–.06 210–17 45 1-5
SJA IX 13 21 40 42.7–.62 24.26S 67.18W 192–7 3.4W,3.3L **¶624897241**
GUC IX 13 21 40 44.9–.64 24.20S 67.51W 216–8 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.8km s-min=6.6km az=-1.0. Presumed earthquake.
ISC IX 15 16 09 13.6–1.1 24.06S–.07 67.01W–.05 194–10 39 1-147
SJA IX 15 16 09 13.0–.64 24.05S 66.95W 203–8 3.6W,3.1L **¶621111998**
GUC IX 15 16 09 14.7–.57 24.03S 67.48W 252–8 3.8L,3.1L
IDC IX 15 16 09 27.1–4.1 22.87S 66.53W 269–29 3.9,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.5km s-min=2.8km az=-1.0. Presumed earthquake.

GUC Event type se. Error ellipse: s-maj=3.3km s-min=7.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=60.4km s-min=28.2km az=42.0.
ISC IX 15 02 44 08.8–1.3 32.55S–.03 70.62W–.04 105–7 91 0-5
SJA IX 15 02 44 07.3–.67 32.55S 70.61W 113–4 3.6L,3.6W **¶621309611**
GUC IX 15 02 44 08.9–.72 32.54S 70.57W 97–2 3.6L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0. Presumed earthquake.
ISC IX 16 13 48 16.5–1.5 34.43S–.03 70.64W–.04 111–8 86 0-4
SJA IX 16 13 48 15.5–1.4 34.44S 70.63W 114–5 3.5W,3.4L **¶621309616**
GUC IX 16 13 48 17.3–.67 34.43S 70.63W 107–2 3.6L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.4km s-min=5.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0. Presumed earthquake.
ISC IX 15 18 48 33.4–.76 24.20S–.04 67.24W–.04 191–7 101 1-154
SJA IX 15 18 48 32.5–.71 24.21S 67.14W 193–5 3.8W,3.7L **¶621112006**
GUC IX 15 18 48 34.8–.53 24.06S 67.38W 213–4 4.1L,3.7L
NEIC IX 15 18 48 35.8–1.1 24.17S–.06 67.5W–.10 195–10 4.1L,3.9b
IDC IX 15 18 48 39.4–4.4 23.60S 66.91W 220–30 3.8,3.1b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.8km s-min=4.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=7.8km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=64.4km s-min=21.7km az=30.0.
ISC IX 18 08 08 06.7–1.9 24.22S–.05 67.06W–.06 207–16 49 1-5
SJA IX 18 08 08 07.9–.55 24.22S 67.04W 195–6 3.5L,3.4W **¶624897361**
GUC IX 18 08 08 09.6–.40 24.08S 67.35W 230–3 3.6L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=1.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=3.3km az=-1.0. Presumed earthquake.
ISC IX 22 10 34 12.0–2.2 24.22S–.06 67.04W–.05 199–17 36 1-5
SJA IX 22 10 34 11.8–1.1 24.25S 67.01W 202–7 3.3W,2.9L **¶624897463**
GUC IX 22 10 34 15.0–.57 24.12S 67.47W 232–9 3.5L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.7km s-min=9.2km az=-1.0. Presumed earthquake.
ISC IX 19 06 47 55.8–.82 24.29S–.04 67.12W–.04 169 64 1-131
IDC IX 19 06 47 54.6–1.8 24.30S 66.94W 152–22 3.6,3.4b **¶621113612**
GUC IX 19 06 47 56.0–.64 24.29S 67.21W 207–6 3.5L,3.4b
SJA IX 19 06 47 56.4–.55 24.23S 67.07W 162–4 3.4W,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=14.1km az=100.0.
GUC Event type se. Error ellipse: s-maj=4.7km s-min=3.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0. Presumed earthquake.
ISC IX 18 00 08 46.1–.80 24.08S–.05 67.17W–.03 189–7 72 1-81
SJA IX 18 00 08 45.8–.66 24.08S 67.14W 184–5 3.6W,3.3L **¶621113534**
NEIC IX 18 00 08 46.7–1.4 24.06S–.04 67.3W–.20 202–14 4.3b,4.0L
GUC IX 18 00 08 47.6–.62 24.03S 67.54W 230–4 3.9L,4.0L
IDC IX 18 00 08 50.1–7.6 23.80S 67.01W 210–65 4.1,3.4b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=1.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=6.3km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=5.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=72.3km s-min=38.1km az=19.0.
ISC IX 18 17 25 42.2–.93 24.18S–.05 67.03W–.04 190–8 63 1-147
IDC IX 18 17 25 42.0–4.5 24.12S 66.91W 174–49 3.7,3.3b **¶621113581**
SJA IX 18 17 25 42.0–.74 24.18S 66.99W 191–5 3.3W,3.1L
GUC IX 18 17 25 43.7–.60 24.10S 67.29W 222–5 3.7L,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=32.4km az=114.0.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=4.9km az=-1.0. Presumed earthquake.
ISC IX 28 02 27 45.2–.61 23.66S–.03 67.90W–.03 134–6 4.4b 272 1-149
IDC IX 28 02 27 42.7–1.8 23.66S 67.76W 103–16 4.2,3.9b **¶621111204**
SJA IX 28 02 27 44.7–.63 23.64S 67.92W 154–3 4.0L,4.0W
NEIC IX 28 02 27 45.6–1.8 23.75S–.06 67.82W–.07 138–5 4.4b,4.3L
GFZ IX 28 02 27 46.1–.20 24S–2.0 68W–3.0 140–4 5.3b,5.0
GUC IX 28 02 27 46.7–.78 23.58S 67.98W 148–5 4.3L,5.0
VAO IX 28 02 27 51.9–.91 23.34S 67.46W 172 4.4b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=10.5km az=90.0.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.1km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=4.7km s-min=5.4km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=6.2km s-min=8.9km az=-1.0. Presumed earthquake.
ISC IX 24 02 11 56.4–1.3 31.69S–.02 70.73W–.05 90–10 74 0-3
GUC IX 24 02 11 55.1–.79 31.73S 70.80W 92–4 3.1L **¶624897502**
SJA IX 24 02 11 55.4–1.1 31.67S 70.66W 90–6 3.2W,2.9L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=6.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0. Presumed earthquake.
ISC IX 24 10 55 34.1–1.4 34.65S–.03 70.88W–.04 91–7 74 0-5
SJA IX 24 10 55 31.8–.54 34.68S 70.92W 103–2 3.7L,3.5W **¶624897513**
GUC IX 24 10 55 33.0–.60 34.67S 70.91W 102–2 3.6L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0. Presumed earthquake.
ISC IX 27 17 56 31.7–.57 24.16S–.03 67.18W–.03 180–5 4.4b 309 1-173
VAO IX 27 17 56 30.4–.58 24.17S 67.27W 188 4.7b **¶621110924**
NEIC IX 27 17 56 31.5–1.9 24.22S–.06 67.1W–.10 176–5 5.0L,4.5b
SJA IX 27 17 56 31.1–.68 24.21S 67.19W 196–4 4.7L,4.3W
IDC IX 27 17 56 31.4–1.3 24.10S 66.96W 169–11 4.5,4.0b
GFZ IX 27 17 56 32.2–.16 24S–2.0 67W–2.0 174–2 5.5b,4.9
GUC IX 27 17 56 33.3–.80 24.14S 67.53W 227–9 5.0L,4.9
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=3.7km s-min=6.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.1km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=1.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=14.5km s-min=8.9km az=74.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GUC Event type se. Error ellipse: s-maj=4.2km s-min=8.6km az=-1.0. Presumed earthquake.
SJA IX 25 09 10 29.1–.84 24.06S 67.11W 201–5 3.5W,3.4L
¶626551512
SJA Event type se. Error ellipse: s-maj=3.4km s-min=2.3km az=-1.0. Presumed earthquake.
ISC IX 22 21 58 04.8–.73 23.61S–.04 67.33W–.03 192–7 84 1-146
IDC IX 22 21 58 03.9–4.4 23.49S 67.18W 167–51 3.8,3.7b **¶626535652**
NEIC IX 22 21 58 04.7–1.1 23.69S–.03 67.3W–.20 190–9 4.4b,4.3L
GUC IX 22 21 58 06.2–.72 23.60S 67.52W 209–5 4.3L,4.3L
SJA IX 22 21 58 06.4–1.7 23.66S 67.27W 150 3.7L,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=84.7km s-min=21.3km az=104.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=1.6km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.5km s-min=5.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=9.0km s-min=5.5km az=-1.0. Presumed earthquake.
ISC IX 25 21 29 12.4–1.7 28.95S–.04 69.97W–.05 135–12 34 0-4
SJA IX 25 21 29 12.3–1.4 28.84S 70.03W 90 3.0W,2.6L **¶624897536**
GUC IX 25 21 29 13.9–.86 28.95S 70.00W 127–4 2.8L,2.6L
ISC Event type se.

SJA Event type se. Error ellipse: s-maj=7.1km s-min=9.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=5.9km az=-1.0. Presumed earthquake.
ISC IX 27 21 19 40.1–.85 31.86S–.02 70.56W–.03 115–6 103 1-154
IDC IX 27 21 19 26.8–1.8 31.93S 71.08W 0 3.7L,3.6 **¶621140741**
SJA IX 27 21 19 38.9–.67 31.86S 70.56W 116–3 3.5W,3.4L
GUC IX 27 21 19 40.2–.86 31.90S 70.65W 97–5 3.7L,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=170.1km s-min=47.4km az=103.0.
SJA Event type se. Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=6.3km az=-1.0. Presumed earthquake.
ISC IX 29 17 50 51.3–2.3 24.21S–.06 67.08W–.06 207–19 34 1-6
SJA IX 29 17 50 51.6–.66 24.11S 67.01W 210–9 3.5W,3.2L **¶624897592**
GUC IX 29 17 50 55.3–.55 24.05S 67.36W 212–7 3.4L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=8.3km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=5.3km az=-1.0. Presumed earthquake.
ISC IX 29 13 21 33.2–1.9 24.15S–.04 67.17W–.05 208–17 46 1-5
SJA IX 29 13 21 34.2–.60 24.14S 67.12W 200–9 3.4L,3.4W **¶624897590**
GUC IX 29 13 21 37.5–.62 24.06S 67.50W 214–8 3.5L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.1km s-min=7.6km az=-1.0. Presumed earthquake.
ISC IX 30 18 56 45.1–2.0 24.42S–.04 67.17W–.06 205–17 49 1-5
SJA IX 30 18 56 46.2–.56 24.44S 67.16W 193–6 3.7L,3.6W **¶624897618**
GUC IX 30 18 56 48.6–.48 24.36S 67.48W 217–4 3.7L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=4.5km az=-1.0. Presumed earthquake.
ISC X 01 04 15 03.6–.70 24.22S–.04 67.17W–.04 189–7 4.1b 105 1-147
IDC X 01 04 15 02.0–1.7 24.26S 67.03W 152–21 4.0,3.6b **¶621113766**
SJA X 01 04 15 03.1–.78 24.25S 67.13W 196–5 3.8L,3.5W
GUC X 01 04 15 04.4–.59 24.36S 67.22W 189–6 3.8L,3.5W
NEIC X 01 04 15 04.4–1.8 24.23S–.08 67.2W–.10 184–9 4.2b,3.8L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA X 08 08 55 58.9–.97 24.25S 67.04W 212–7 3.5W,2.7L
¶625829696
SJA Event type se. Error ellipse: s-maj=5.6km s-min=6.0km az=-1.0. Presumed earthquake.
ISC X 03 21 30 59.8–.66 24.20S–.04 67.25W–.04 190–6 4.3b 119 1-155
IDC X 03 21 30 58.2–1.7 24.23S 67.17W 151–17 3.8,3.3b **¶621117497**
SJA X 03 21 30 59.8–.68 24.17S 67.17W 192–5 3.9L,3.8W
NEIC X 03 21 31 00.3–1.2 24.21S–.07 67.34W–.07 205–6 4.6b,3.8W
GUC X 03 21 31 03.7–.87 24.10S 67.27W 168–11 4.0L,3.8W
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=13.8km az=87.0.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.5km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=8.5km s-min=8.6km az=-1.0. Presumed earthquake.
ISC X 06 20 10 57.3–2.1 24.22S–.04 67.22W–.05 206–18 51 1-4
SJA X 06 20 10 56.6–.58 24.29S 67.15W 204 3.8L,3.6W **¶625233445**
GUC X 06 20 10 57.0–.55 24.15S 67.17W 214–6 3.9L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.8km s-min=2.9km az=-1.0. Presumed earthquake.
ISC X 06 03 19 41.5–1.9 24.14S–.04 67.08W–.05 218–16 54 1-5
SJA X 06 03 19 42.1–.70 24.17S 67.05W 211–5 3.4L,3.4W **¶625233436**
GUC X 06 03 19 45.7–.66 24.13S 67.44W 220–10 3.6L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.2km s-min=9.5km az=-1.0. Presumed earthquake.
ISC X 07 20 06 07.0–1.8 24.32S–.04 67.24W–.05 196–16 50 1-5
SJA X 07 20 06 07.4–.71 24.31S 67.21W 192–6 3.6L,3.6W **¶625233470**
GUC X 07 20 06 08.5–.85 24.31S 67.23W 189–7 3.6L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.0km s-min=3.4km az=-1.0. Presumed earthquake.
ISC X 14 16 23 52.3–2.3 24.04S–.05 67.10W–.05 205–19 42 1-4
SJA X 14 16 23 52.2–.82 24.03S 67.05W 207–5 3.6W,3.2L **¶625233608**
GUC X 14 16 23 55.3–.54 24.03S 67.45W 224–8 3.5L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=7.3km az=-1.0. Presumed earthquake.
ISC X 08 16 26 54.1–.70 24.20S–.04 67.05W–.03 193–6 3.9b 112 1-147
SJA X 08 16 26 52.5–.70 24.21S 67.00W 216–5 3.8L,3.7W **¶621140976**
IDC X 08 16 26 53.5–1.9 24.13S 66.98W 173–18 3.7,3.5s
GUC X 08 16 26 54.8–.63 24.16S 67.05W 196–6 4.0L,3.5s
NEIC X 08 16 26 54.8–1.4 24.17S–.08 67.3W–.10 231–12 4.3b,4.0L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 22 00 33.7–.75 24.59S–.04 67.83W–.03 124–8 3.9b 136 1-147
IDC X 13 22 00 32.2–1.9 24.59S 67.63W 102–18 3.9,3.3b **¶621148210**
NEIC X 13 22 00 34.0–1.9 24.59S–.05 67.8W–.10 132–8 4.3b,3.8L
SJA X 13 22 00 34.3–.62 24.58S 67.86W 131–7 3.7L,3.7W
GUC X 13 22 00 36.2–.67 24.58S 67.96W 130–10 3.7L,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=13.9km az=94.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.6km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=3.7km az=-1.0. Presumed earthquake.
ISC X 11 13 58 03.3–1.2 31.67S–.02 70.04W–.03 133–7 141 1-5
SJA X 11 13 58 03.8–1.0 31.66S 69.99W 124–4 3.3W,3.1L **¶625233565**
GUC X 11 13 58 04.8–.75 31.67S 70.27W 140–3 3.6L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=3.5km az=-1.0. Presumed earthquake.
ISC X 15 03 53 27.9–.44 24.47S–.03 68.98W–.03 100–4 4.5b 228 1-164
GUC X 15 03 53 27.7–.85 24.49S 69.02W 109–6 4.3L **¶621202373**
NEIC X 15 03 53 27.7–2.3 24.43S–.05 68.91W–.07 91–5 4.5b,4.4L
SJA X 15 03 53 27.3–.63 24.43S 69.04W 113–8 4.3L,4.2W
IDC X 15 03 53 28.9–.53 24.33S 68.81W 102–4 4.2,4.0b
GFZ X 15 03 53 29.8–.21 24S–2.0 69W–4.0 95–2 5.3b,4.8
VAO X 15 03 53 36.8–.89 24.03S 68.62W 174 4.2b,4.8
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.0km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.4km s-min=11.8km az=79.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=7.2km s-min=8.1km az=-1.0. Presumed earthquake.
ISC X 14 18 23 01.9–.67 24.17S–.04 67.22W–.03 182–6 4.0b 117 1-147
IDC X 14 18 23 01.3–2.0 24.12S 66.94W 161–19 3.9,3.5b **¶621240656**
SJA X 14 18 23 01.1–.62 24.23S 67.22W 199 4.0L,3.9W
NEIC X 14 18 23 02.3–2.2 24.16S–.07 67.3W–.10 189–7 4.2b,4.2
GUC X 14 18 23 04.0–.52 24.11S 67.52W 216–6 4.3L,4.2
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=15.0km az=106.0.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=1.4km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=14.1km s-min=9.8km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.6km s-min=4.9km az=-1.0. Presumed earthquake.
ISC X 16 21 37 57.3–.86 35.06S–.03 70.76W–.04 110–6 92 0-85
IDC X 16 21 37 56.9–3.8 35.05S 70.71W 109–51 3.7,3.3b **¶621242146**
SJA X 16 21 37 57.1–.71 35.05S 70.81W 111–3 3.6W,3.3L
GUC X 16 21 37 58.0–.70 35.04S 70.80W 112–3 3.4L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=93.2km s-min=15.6km az=102.0.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0. Presumed earthquake.
ISC X 16 04 12 14.4–.71 24.73S–.04 68.45W–.04 114–7 4.3b 165 2-164
IDC X 16 04 12 12.1–1.9 24.73S 68.40W 87–17 4.3,3.8b **¶621204544**
SJA X 16 04 12 14.4–1.1 24.70S 68.51W 134 3.8W,3.6L
NEIC X 16 04 12 15.7–2.1 24.72S–.05 68.47W–.05 110–6 4.2b,4.0L
GUC X 16 04 12 15.3–.83 24.75S 68.53W 129–9 4.0L,4.0L
VAO X 16 04 12 18.4–1.4 24.40S 68.07W 117 4.3b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=12.2km az=97.0.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=3.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.3km az=144.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=4.6km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=9.8km s-min=12.2km az=-1.0. Presumed earthquake.
ISC X 21 10 57 26.1–.80 24.17S–.04 67.16W–.04 178–9 90 1-66
IDC X 21 10 57 25.2–1.9 24.32S 66.52W 135–22 3.7,2.9b **¶621261405**
SJA X 21 10 57 26.0–.72 24.14S 67.15W 192–7 3.7L,3.5W
GUC X 21 10 57 27.7–.57 24.14S 67.48W 221–8 4.0L,3.5W
NEIC X 21 10 57 27.1–1.8 24.11S–.03 67.2W–.20 190–14 4.2b,3.9L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 17 10 09 31.4–1.6 24.39S–.03 67.64W–.04 197–13 67 1-5
SJA X 17 10 09 32.2–.59 24.40S 67.52W 174 3.5W,3.4L **¶625233725**
GUC X 17 10 09 33.2–.59 24.40S 67.79W 200–6 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=4.4km az=-1.0. Presumed earthquake.
ISC X 17 15 58 59.1–2.3 24.28S–.04 67.25W–.05 196–21 46 2-5
SJA X 17 15 58 59.5–.80 24.28S 67.23W 190–6 3.3W,3.0L **¶625233727**
GUC X 17 15 59 02.0–.63 24.18S 67.53W 213–5 3.5L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.8km s-min=4.9km az=-1.0. Presumed earthquake.
ISC X 17 16 56 40.8–.71 24.20S–.04 67.04W–.04 181 76 1-147
IDC X 17 16 56 40.6–1.9 24.26S 66.90W 155–27 3.7 **¶621205043**
SJA X 17 16 56 40.7–.95 24.16S 67.12W 198–9 3.5W,3.3L
NEIC X 17 16 56 42.3–1.4 24.10S–.08 67.2W–.20 187–14 4.0b,3.5L
GUC X 17 16 56 43.2–.62 24.07S 67.41W 216–7 3.6L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=16.3km az=104.0.
SJA Event type se. Error ellipse: s-maj=3.5km s-min=3.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=11.1km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=6.0km s-min=6.2km az=-1.0. Presumed earthquake.
ISC X 18 11 27 11.7–.61 24.06S–.04 67.10W–.04 195–6 4.2b 168 1-170
IDC X 18 11 27 10.2–1.7 24.11S 67.05W 144–16 3.9,3.3b **¶621206743**
SJA X 18 11 27 12.7–.76 24.12S 67.10W 184–5 3.8W,3.7L
NEIC X 18 11 27 13.3–1.6 24.10S–.06 67.33W–.06 219–8 4.6L,4.4b
GFZ X 18 11 27 13.1–.21 24S–2.0 67W–3.0 189 4.0b,4.0
GUC X 18 11 27 14.7–.63 24.03S 67.51W 233–9 4.6L,4.0
VAO X 18 11 27 17.7–.79 23.74S 66.80W 202 3.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=12.2km az=93.0.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.4km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=2.9km s-min=9.3km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=5.5km s-min=7.1km az=-1.0. Presumed earthquake.
IDC X 18 21 20 35.6–336 36.42S 70.85W 0
¶621244045
IDC Error ellipse: s-maj=168.1km s-min=102.6km az=179.0.
ISC X 21 23 55 54.6–1.4 31.95S–.02 70.46W–.04 106–10 74 0-4
SJA X 21 23 55 53.2–.75 31.97S 70.40W 114–4 3.7W,3.5L **¶621256396**
GUC X 21 23 55 54.9–.78 31.98S 70.50W 99–4 3.7L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=5.2km az=-1.0. Presumed earthquake.
ISC X 23 02 08 55.7–2.5 23.65S–.07 67.30W–.09 188–21 31 1-4
GUC X 23 02 08 56.9–.55 23.59S 67.44W 202–8 2.9L **¶625230145**
SJA X 23 02 08 56.5–.67 23.59S 67.27W 179–9 3.3W,2.8L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.2km s-min=7.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=5.2km s-min=4.5km az=-1.0. Presumed earthquake.
ISC X 26 03 35 42.1–.42 32.81S–.02 70.66W–.03 91–3 4.7b 337 0-163
SJA X 26 03 35 41.0–.75 32.82S 70.72W 100–2 4.7L,4.5W **¶621239266**
GFZ X 26 03 35 41.8–.21 33S–2.0 71W–8.0 89–4 5.6b,5.2
GUC X 26 03 35 42.7–.55 32.82S 70.66W 94–2 4.8L,5.2
IDC X 26 03 35 42.8–.49 32.81S 70.54W 90–4 4.6,4.2b
NEIC X 26 03 35 42.3 32.85S 70.70W 94 4.6,4.2b
NEIC X 26 03 35 42.6–1.2 32.81S–.02 70.69W–.05 91–3 4.7,4.7b
VAO X 26 03 35 42.7–1.7 32.90S 70.24W 95 4.7b,4.7b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=12.4km s-min=8.2km az=135.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.1km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.71 $M_{\theta\theta}$-4.13 $M_{\phi\phi}$3.42 $M_{r\theta}$-6.73 $M_{\theta\phi}$2.58 $M_{\theta r}$-2.04 NP1:ϕ_s153.53000°,δ32.09000°,λ173.87000°. NP2:ϕ_s248.73000°,δ86.75000°,λ58.06000°. Principal axes: T 7.7591,Plg40.0000°,Azm130.0000°; N 1.1776,Plg32.0000°,Azm251.0000°; P -8.9368,Plg34.0000°,Azm6.0000° M_o8.41000×10^{15}
VAO Event type se. Error ellipse: s-maj=18.1km s-min=10.4km az=-1.0. Presumed earthquake.
ISC X 23 08 21 43.2–.39 24.15S–.03 67.15W–.03 156–3 4.8b 394 1-166
SJA X 23 08 21 42.4–.72 24.25S 67.17W 169–5 4.6L,4.4W **¶621237754**
GFZ X 23 08 21 43.9–.17 24S–2.0 67W–2.0 154–2 5.5b,5.0
IDC X 23 08 21 43.2–1.1 24.14S 67.06W 151–9 4.7,4.2b
NEIC X 23 08 21 43.4–1.4 24.16S–.06 67.1W–.10 154–7 4.9b,4.8
VAO X 23 08 21 44.1–.55 24.09S 67.11W 175–5 4.8b,4.8
GUC X 23 08 21 46.2–.53 24.13S 67.50W 189–6 5.1L,4.8
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=15.2km s-min=9.0km az=84.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.4km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=3.0km s-min=4.4km az=-1.0. Presumed earthquake.

GUC Event type se. Error ellipse: s-maj=5.6km s-min=5.1km az=-1.0. Presumed earthquake.
ISC X 22 22 40 41.6–2.4 24.14S–.05 67.03W–.09 177–19 38 1-5
GUC X 22 22 40 43.9–.58 24.12S 67.52W 233–8 3.0L **¶625230141**
SJA X 22 22 40 43.3–1.0 24.10S 67.05W 155–8 3.1W,2.9L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.6km s-min=7.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=5.1km s-min=4.7km az=-1.0. Presumed earthquake.
ISC X 24 05 09 09.0–2.0 24.34S–.04 68.08W–.09 153–18 39 1-4
SJA X 24 05 09 09.8–.57 24.32S 68.13W 139–7 3.6W,3.3L **¶625230182**
GUC X 24 05 09 10.2–.62 24.28S 68.05W 155–5 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.9km s-min=3.8km az=-1.0. Presumed earthquake.
ISC X 24 16 52 35.6–.64 24.26S–.04 67.26W–.03 186–6 4.1b 110 1-163
SJA X 24 16 52 34.1–.60 24.34S 67.23W 196 3.8W,3.7L **¶621238309**
NEIC X 24 16 52 35.3–1.2 24.33S–.02 67.4W–.10 191–9 4.2b,3.9L
GUC X 24 16 52 36.4–.53 24.11S 67.18W 179–6 3.9L,3.9L
IDC X 24 16 52 37.8–2.9 24.11S 67.07W 190–31 3.9,3.6b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=1.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=2.3km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=6.0km s-min=2.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=31.5km s-min=22.9km az=112.0.
ISC X 29 05 49 38.6–.61 24.38S–.03 67.25W–.03 170–6 4.3b 216 1-164
IDC X 29 05 49 38.0–1.8 24.34S 67.02W 156–16 4.3,3.8b **¶621243369**
SJA X 29 05 49 38.1–.69 24.39S 67.23W 183–5 4.3L,4.1W
GFZ X 29 05 49 39.4–.25 24S–2.0 67W–4.0 161–5 5.3b,4.8
GUC X 29 05 49 39.3–.70 24.41S 67.43W 202–8 4.7L,4.8
NEIC X 29 05 49 39.1–1.8 24.43S–.06 67.2W–.10 168–7 4.4b,4.8
VAO X 29 05 49 41.8–1.1 24.18S 66.90W 177 4.3b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=11.7km az=89.0.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=5.5km s-min=8.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=9.3km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=7.3km s-min=10.8km az=-1.0. Presumed earthquake.
ISC XI 01 08 39 26.0–1.6 31.04S–.04 71.00W–.05 75–9 31 0-4
SJA XI 01 08 39 23.4–.79 31.06S 71.04W 84–4 3.1W,2.7L **¶625536802**
GUC XI 01 08 39 25.3–.84 31.04S 70.90W 86–3 2.9L,2.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.6km s-min=5.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=3.8km az=-1.0. Presumed earthquake.
ISC X 28 23 25 10.5–1.0 24.23S–.04 67.26W–.04 188–8 55 1-147
SJA X 28 23 25 09.1–.73 24.30S 67.22W 198–4 3.6L,3.5W **¶621391408**
GUC X 28 23 25 10.1–.59 24.36S 67.33W 206–10 3.7L,3.5W
IDC X 28 23 25 18.4–10 23.64S 66.96W 217–76 3.3,2.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=7.0km s-min=10.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=112.7km s-min=64.7km az=32.0.
ISC X 28 23 52 46.2–.69 24.18S–.04 67.26W–.04 186–7 4.3b 103 1-147
GUC X 28 23 52 46.7–.54 24.21S 67.28W 204–11 4.0L **¶621243335**
NEIC X 28 23 52 46.7–1.4 24.21S–.07 67.35W–.06 199–9 4.4b,4.0L
IDC X 28 23 52 46.2–2.1 24.15S 67.03W 156–21 3.9,3.4b
SJA X 28 23 52 46.2–.70 24.24S 67.22W 187–6 3.8L,3.6W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=5.4km s-min=12.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.4km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.9km s-min=19.6km az=98.0.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=1.8km az=-1.0. Presumed earthquake.
ISC X 31 13 04 15.2–.93 24.38S–.04 67.25W–.05 189–10 65 1-21
NEIC X 31 13 04 15.9–1.1 24.36S–.08 67.4W–.10 203–14 4.0b,3.6L **¶621244737**
SJA X 31 13 04 15.1–.56 24.37S 67.21W 187–5 3.6L,3.5W
GUC X 31 13 04 17.4–.48 24.24S 67.49W 213–8 3.6L,3.5W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=9.5km az=116.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.2km s-min=7.9km az=-1.0. Presumed earthquake.
ISC XI 05 02 33 32.5–1.3 24.07S–.06 67.01W–.05 181 28 1-4
SJA XI 05 02 33 30.2–.73 24.12S 66.95W 201–8 3.6W,3.3L **¶625536909**
GUC XI 05 02 33 31.4–.53 24.09S 67.20W 228–15 3.6L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.2km s-min=2.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=9.0km s-min=21.7km az=-1.0. Presumed earthquake.
SJA XI 01 00 10 21.2–.51 24.08S 67.15W 183–7 3.6L,3.4W
¶625829965
SJA Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=-1.0. Presumed earthquake.
ISC XI 03 03 17 48.6–.18 32.73S–.02 70.04W–.02 107–1 5.6b 1261 0-178
SJA XI 03 03 17 46.3–.84 32.75S 70.07W 122–2 5.8L,5.6W **¶621883467**
GUC XI 03 03 17 47.9–.81 32.66S 70.12W 113–3 5.8L,5.6W
CATAC XI 03 03 17 47.5–.48 33S–3.0 70W–10 105–3 6.6,6.5
GFZ XI 03 03 17 47.2 32.75S 69.90W 111 5.7W,6.5
NEIC XI 03 03 17 48.2 32.68S 70.10W 93 5.7W,6.5
NEIC XI 03 03 17 48.8 32.71S 70.09W 101 5.7W,6.5
NEIC XI 03 03 17 48.6–1.6 32.70S–.03 70.06W–.06 100–1 5.7,5.7
VAO XI 03 03 17 48.1–.21 32.68S 69.92W 110–1 6.0b,5.7
NEIC XI 03 03 17 48.2 32.68S 70.10W 93 6.0b,5.7
GFZ XI 03 03 17 49.6–.21 33S–2.0 70W–3.0 106–1 6.2,6.1L
MOS XI 03 03 17 49.3–1.1 32.58S 70.14W 110 5.7b,6.1L
IDC XI 03 03 17 49.4–.28 32.68S 70.00W 108–2 5.6,5.2b
BJI XI 03 03 17 50.0 32.70S 70.20W 111 5.5b,5.2b
GCMT XI 03 03 17 51.2–.10 32.88S–.01 69.91W–.01 117–0 5.7W,5.2b
NEIC XI 03 03 17 53.2 32.71S 70.09W 70 5.7,5.2b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=3.4km az=-1.0. Presumed earthquake.
CATAC Event type se. Error ellipse: s-maj=22.4km s-min=6.8km az=97.4. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.99 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$1.71 $M_{r\theta}$1.54 $M_{\theta\phi}$-0.42 $M_{\theta r}$-3.22 NP1:ϕ_s200.49973°,δ14.08707°,λ-44.20815°. NP2:ϕ_s333.83397°,δ80.22892°,λ-100.19724°. Principal axes: T 4.1537,Plg34.4605°,Azm72.5668°; N -0.6075,Plg10.0478°,Azm335.5825°; P -3.5462,Plg53.6921°,Azm231.6287° M_o3.88572×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.81 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$2.54 $M_{r\theta}$1.41 $M_{\theta\phi}$-0.96 $M_{\theta r}$-3.94 NP1:ϕ_s174.31000°,δ14.76000°,λ-76.20000°. NP2:ϕ_s340.06000°,δ75.68000°,λ-93.59000°. Principal axes: T 5.2649,Plg31.0000°,Azm73.0000°; N -0.9673,Plg3.0000°,Azm341.0000°; P -4.2976,Plg59.0000°,Azm245.0000° M_o4.85000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$0.51 $M_{r\theta}$1.37 $M_{\theta\phi}$-0.26 $M_{\theta r}$-3.53 NP1:ϕ_s175.59000°,δ3.34000°,λ-73.11000°. NP2:ϕ_s338.68000°,δ86.80000°,λ-90.97000°. Principal axes: T 3.9755,Plg42.0000°,Azm70.0000°; N -0.3198,Plg1.0000°,Azm339.0000°; P -3.6557,Plg48.0000°,Azm248.0000° M_o3.83000×10^{17}
VAO Event type se. Error ellipse: s-maj=2.9km s-min=2.6km az=-1.0. Presumed earthquake.
NEIC Event type se.

GFZ Error ellipse: s-maj=6.3km s-min=3.8km az=82.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=14.4km s-min=7.9km az=91.2.
IDC Error ellipse: s-maj=9.4km s-min=6.2km az=135.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111030317A. Moment Tensor Solution. s147,c265; s154,c323;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.72±.05 $M_{\theta\theta}$-0.91±.05; $M_{\phi\phi}$2.62±.06; $M_{r\theta}$1.88±.03; $M_{\theta\phi}$-0.06±.05; $M_{\phi r}$-3.33±.04; Best double couple: NP1: ϕ_s209.00000°,δ22.00000°,λ-36.00000°. NP2:ϕ_s333.00000°,δ77.00000°,λ-108.00000°. Principal axes: T 4.5980,Plg30.0000°,Azm78.0000°; N -0.2820,Plg18.0000°,Azm337.0000° ; P -4.3220,Plg54.0000°,Azm221.0000° $M_0$4.46000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.86 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$1.95 $M_{r\theta}$1.48 $M_{\theta\phi}$-0.26 $M_{\phi r}$-3.04 NP1:ϕ_s188.43000°,δ16.68000° ,λ-59.23000°. NP2:ϕ_s336.57000°,δ75.72000°,λ-98.72000°. Principal axes: T 3.8714,Plg30.0000°,Azm74.0000°; N 0.0385,Plg8.0000°,Azm339.0000° ; P -3.9100,Plg58.0000°,Azm235.0000° $M_0$3.89000×10^{17}

ISC XI 01 02 57 43.9–1.8 24.31S–.04 67.32W–.05 187–16 44 1-5
SJA XI 01 02 57 44.1–.77 24.30S 67.30W 181–7 3.4W,3.1L **¶625536785**
GUC XI 01 02 57 45.1–.72 24.23S 67.30W 180–9 3.3L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=6.0km s-min=4.8km az=-1.0. Presumed earthquake.
ISC XI 10 03 18 40.2–.75 24.17S–.05 67.22W–.04 199–7 79 1-147
SJA XI 10 03 18 40.7–.77 24.17S 67.17W 189–7 3.8L,3.6W **¶621385762**
NEIC XI 10 03 18 41.5–1.2 24.18S–.07 67.4W–.10 210–8 4.4b,3.9L
GUC XI 10 03 18 42.4–.72 24.18S 67.42W 207–7 3.9L,3.9L
IDC XI 10 03 18 43.5–11 24.01S 66.92W 184–84 4.3,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=2.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=9.8km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=5.1km s-min=7.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=116.0km s-min=38.8km az=25.0.

SJA XI 06 02 02 45.6–.76 24.24S 67.08W 134–12 3.2L,3.2W ¶625830020

SJA Event type se. Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. Presumed earthquake.
ISC XI 07 20 03 08.1–2.5 24.14S–.06 67.07W–.06 195–22 35 1-4
SJA XI 07 20 03 08.2–.56 24.16S 67.04W 192–6 3.1W,2.8L **¶625536962**
GUC XI 07 20 03 10.6–.67 24.08S 67.38W 222–10 3.2L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.5km s-min=2.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=10.2km az=-1.0. Presumed earthquake.
ISC XI 08 20 41 02.1–1.1 30.60S–.04 69.04W–.05 26–9 28 0-3
SJA XI 08 20 40 59.4–.79 30.58S 69.06W 25 3.3W,3.1L **¶625536999**
GUC XI 08 20 40 59.4–.69 30.58S 69.09W 7–3 3.2L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.4km az=-1.0. Presumed earthquake.
ISC XI 09 21 49 52.5–1.9 24.24S–.04 67.23W–.06 209–19 50 1-5
SJA XI 09 21 49 53.3–.66 24.25S 67.19W 191–6 3.4W,3.2L **¶625537033**
GUC XI 09 21 49 55.1–.66 24.27S 67.54W 218–10 3.6L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=8.7km az=-1.0. Presumed earthquake.
ISC XI 09 22 03 00.2–1.9 24.22S–.04 67.36W–.05 177–18 44 1-5
SJA XI 09 22 03 00.2–1.1 24.27S 67.36W 172–10 3.2W,3.0L **¶625537034**
GUC XI 09 22 03 01.4–.65 24.22S 67.69W 217–7 3.6L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=7.1km az=-1.0. Presumed earthquake.
ISC XI 06 05 32 29.2–1.7 24.13S–.04 67.08W–.05 216–13 54 1-5
SJA XI 06 05 32 30.1–.65 24.16S 67.09W 209–4 3.5W,3.4L **¶625536925**
GUC XI 06 05 32 31.1–.81 24.25S 67.15W 191–7 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=-1.0. Presumed earthquake.
ISC XI 10 10 51 04.4–.76 24.24S–.04 67.25W–.05 191–9 97 1-63
IDC XI 10 10 51 03.3–2.0 24.26S 66.80W 106–64 3.9 **¶621385928**
SJA XI 10 10 51 04.3–.65 24.19S 67.20W 192–4 3.5L,3.5W
NEIC XI 10 10 51 05.2–1.6 24.23S–.08 67.3W–.10 192–12 4.5b,3.9L
GUC XI 10 10 51 06.0–.65 24.15S 67.44W 212–6 3.8L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=53.4km s-min=14.7km az=98.0.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=1.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=11.4km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=6.0km s-min=6.8km az=-1.0. Presumed earthquake.
ISC XI 12 19 55 18.1–2.0 24.30S–.05 67.19W–.05 203–16 42 1-5
SJA XI 12 19 55 18.6–.57 24.28S 67.17W 194–5 3.6L,3.6W **¶625537093**
GUC XI 12 19 55 21.2–.66 24.20S 67.49W 214–6 3.7L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=1.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.0km s-min=6.1km az=-1.0. Presumed earthquake.
ISC XI 10 18 10 17.1–1.4 28.03S–.03 69.07W–.03 126–11 67 1-5
SJA XI 10 18 10 16.1–.73 28.00S 69.02W 124–4 3.5W,3.3L **¶625537050**
GUC XI 10 18 10 17.0–.75 28.02S 69.16W 121–7 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=1.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=5.5km az=-1.0. Presumed earthquake.
ISC XI 16 05 34 02.3–1.4 25.45S–.03 68.98W–.06 149–13 55 1-5
GUC XI 16 05 34 03.4–.71 25.43S 68.98W 135–6 3.5L **¶625537150**
SJA XI 16 05 34 03.3–1.9 25.46S 68.83W 86 3.5W,3.4L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=4.0km s-min=8.3km az=-1.0. Presumed earthquake.
ISC XI 15 21 03 49.2–.66 24.14S–.04 67.25W–.05 174–7 4.3b 126 1-147
NEIC XI 15 21 03 49.9–2.0 24.21S–.07 67.3W–.10 185–10 4.6b,4.0L **¶621406948**
IDC XI 15 21 03 49.7–2.1 24.14S 67.00W 160–20 4.1,3.6b
SJA XI 15 21 03 50.0–.64 24.15S 67.25W 175–8 3.8L,3.8W
GUC XI 15 21 03 51.8–.55 24.15S 67.63W 212–6 4.0L,3.8W
VAO XI 15 21 03 52.2–1.9 23.92S 67.12W 191 4.1b,3.8W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.1km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.0km s-min=16.4km az=115.0.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=6.1km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=12.8km s-min=16.9km az=-1.0. Presumed earthquake.
ISC XI 19 01 19 30.1–.58 24.70S–.03 68.96W–.03 109–5 4.3b 121 1-148
NEIC XI 19 01 19 30.0–2.0 24.70S–.06 68.84W–.08 98–7 4.3b,4.1L **¶621416146**
GUC XI 19 01 19 30.4–.76 24.69S 69.01W 121–6 4.1L,4.1L
SJA XI 19 01 19 30.0–1.4 24.69S 68.92W 105 3.8W,3.7L
IDC XI 19 01 19 31.5–.85 24.51S 68.68W 106–6 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.8km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=3.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.9km s-min=19.3km az=84.0.
ISC XI 25 10 36 29.7–1.8 24.37S–.04 67.23W–.05 195–16 48 1-5
SJA XI 25 10 36 29.9–.70 24.39S 67.25W 194–5 3.7L,3.7W **¶625537356**
GUC XI 25 10 36 32.6–.58 24.38S 67.45W 196–8 3.8L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=1.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.3km s-min=6.4km az=-1.0. Presumed earthquake.
ISC XI 21 01 29 16.8–1.7 24.04S–.06 67.15W–.09 181 27 1-4
SJA XI 21 01 29 15.4–.84 24.12S 67.10W 195–11 3.3W,2.9L **¶625537285**
GUC XI 21 01 29 17.1–.32 24.01S 67.45W 229–6 3.4L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.1km s-min=5.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.2km s-min=7.1km az=-1.0. Presumed earthquake.
ISC XI 21 01 40 04.3–1.9 24.29S–.04 67.19W–.05 220–14 51 1-5
SJA XI 21 01 40 06.1–.68 24.31S 67.17W 195–5 3.4W,3.2L **¶625537286**
GUC XI 21 01 40 07.8–.62 24.27S 67.53W 224–8 3.6L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=6.4km az=-1.0. Presumed earthquake.
ISC XI 23 02 04 12.0–.85 23.98S–.04 67.92W–.05 149–10 57 1-147
IDC XI 23 02 04 11.9–2.2 23.92S 67.64W 111–23 4.2,4.0b **¶621611938**
SJA XI 23 02 04 12.1–.65 24.00S 67.92W 152–6 3.8L,3.7W
GUC XI 23 02 04 14.1–.80 23.95S 68.10W 162–7 3.8L,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=17.3km az=105.0.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=5.6km az=-1.0. Presumed earthquake.

SJA XI 28 05 22 10.6–.77 24.32S 67.11W 201–7 3.6L,3.6W ¶625825476

SJA Event type se. Error ellipse: s-maj=3.1km s-min=2.2km az=-1.0. Presumed earthquake.
ISC XI 25 03 18 30.6–.84 32.76S–.03 70.09W–.03 113–6 154 0-24
SJA XI 25 03 18 29.5–.73 32.72S 70.09W 116–2 3.8L,3.7W **¶621823466**
NEIC XI 25 03 18 30.9–.87 32.72S–.02 70.19W–.07 113–8 4.0b,3.7L
GUC XI 25 03 18 31.7–.60 32.71S 70.19W 108–2 3.7L,3.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=1.4km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0. Presumed earthquake.
ISC XI 26 09 58 06.1–1.1 30.58S–.02 69.31W–.02 7–10 77 0-5
SJA XI 26 09 58 05.8–.72 30.58S 69.33W 10–2 3.6L,3.3W **¶621823536**
GUC XI 26 09 58 08.4–.77 30.57S 69.42W 15–2 3.6L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0. Presumed earthquake.
ISC XI 27 05 25 15.1–.64 24.26S–.04 67.24W–.03 176–6 4.2b 135 1-170
VAO XI 27 05 25 13.9–1.3 24.32S 67.29W 172–11 4.1b **¶621480044**
IDC XI 27 05 25 14.8–1.6 24.32S 67.09W 157–17 3.9,3.0b
NEIC XI 27 05 25 15.5–1.2 24.33S–.07 67.2W–.10 172–7 4.7b,4.2L
SJA XI 27 05 25 15.8–.75 24.28S 67.28W 179–9 3.8W,3.7L
GUC XI 27 05 25 18.1–.77 24.25S 67.55W 196–7 4.3L,3.7L
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=7.0km s-min=11.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=26.7km s-min=13.1km az=95.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=9.4km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=1.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=5.4km az=-1.0. Presumed earthquake.
ISC XI 28 17 31 55.8–.86 24.21S–.04 67.01W–.04 185–8 51 1-147
SJA XI 28 17 31 54.7–.68 24.31S 66.99W 203–5 3.7L,3.6W **¶621625185**
IDC XI 28 17 31 55.4–5.1 24.18S 67.41W 181–56 3.8,3.7b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=199.2km s-min=24.8km az=95.0.

SJA XI 29 13 57 48.0–.65 24.25S 67.10W 162–10 3.1W,2.9L ¶625825496

SJA Event type se. Error ellipse: s-maj=3.2km s-min=2.5km az=-1.0. Presumed earthquake.
ISC XII 04 01 38 54.8–2.4 24.06S–.05 67.07W–.09 197–19 39 1-4
SJA XII 04 01 38 54.0–.61 24.08S 67.00W 203–6 3.1W,2.9L **¶625752623**
GUC XII 04 01 38 56.1–.44 24.02S 67.55W 250–7 3.1L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.5km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=7.0km az=-1.0. Presumed earthquake.
ISC XII 05 11 01 56.4–.68 24.25S–.04 67.31W–.04 192–6 4.2b 103 1-147
NEIC XII 05 11 01 56.6–.88 24.31S–.05 67.3W–.10 200–5 4.2b **¶621631247**
SJA XII 05 11 01 57.3–.62 24.27S 67.26W 179–6 3.8L,3.7W
IDC XII 05 11 01 58.7–4.1 24.13S 67.14W 180–39 3.8,3.2b
GUC XII 05 11 01 58.3–.67 24.25S 67.27W 183–7 3.9L,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.5km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=38.3km s-min=29.9km az=117.0.
GUC Event type se. Error ellipse: s-maj=5.1km s-min=2.6km az=-1.0. Presumed earthquake.
ISC XII 03 16 09 35.5–1.4 24.16S–.06 67.02W–.06 181 29 1-4
SJA XII 03 16 09 33.1–.50 24.11S 66.93W 213–6 3.5L,3.5W **¶625752611**
GUC XII 03 16 09 36.8–.48 24.03S 67.34W 226–9 3.4L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=1.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.9km s-min=7.9km az=-1.0. Presumed earthquake.
ISC XII 04 12 58 49.4–2.3 24.08S–.06 67.11W–.07 206–19 35 1-5
SJA XII 04 12 58 49.2–.57 24.09S 67.08W 208–6 3.3W,3.0L **¶625752640**
GUC XII 04 12 58 51.7–.70 24.01S 67.36W 218–16 3.0L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.5km s-min=21.0km az=-1.0. Presumed earthquake.
ISC XII 05 19 02 39.6–1.5 34.00S–.04 70.37W–.04 107–7 64 0-3
SJA XII 05 19 02 38.2–.55 34.01S 70.38W 113–2 3.2W,3.1L **¶625752674**
GUC XII 05 19 02 39.7–.79 33.97S 70.39W 113–2 3.1L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.5km az=-1.0. Presumed earthquake.
ISC XII 05 21 51 09.2–.22 25.28S–.03 68.86W–.03 103–1 5.2b 725 1-175
VAO XII 05 21 50 57.6–.24 25.29S 69.01W 10 5.6b **¶621613028**
MOS XII 05 21 51 07.1–.90 25.32S 68.87W 84 5.2b
GFZ XII 05 21 51 08.2 25.34S 68.68W 100 5.1W
GUC XII 05 21 51 08.8–.72 25.32S 69.01W 122–6 5.3L
CATAC XII 05 21 51 08.8–.42 25S–4.0 69W–6.0 89–6 6.0,5.6
SJA XII 05 21 51 08.1–.73 25.32S 68.98W 125 5.4L,5.0W
GFZ XII 05 21 51 08.5–.15 25S–2.0 69W–3.0 105–4 5.8b,5.6b
NEIC XII 05 21 51 09.5–1.9 25.30S–.04 68.97W–.07 95–3 5.2b,5.1
NEIC XII 05 21 51 09.5 25.28S 68.88W 96 5.2b,5.1
NEIC XII 05 21 51 09.8 25.30S 68.91W 100 5.2b,5.1
IDC XII 05 21 51 10.3–.41 25.25S 68.71W 105–3 5.1,4.8b
GCMT XII 05 21 51 12.8–.20 25.15S–.01 68.87W–.02 125–1 5.2W,4.8b
NEIC XII 05 21 51 15.8 25.50S 68.79W 80 5.1,4.8b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=2.9km s-min=2.8km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=16.7km s-min=7.6km az=99.1.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.47 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$5.27 $M_{r\theta}$1.85 $M_{\theta\phi}$-1.72 $M_{\phi r}$-2.24 NP1: ϕ_s182.55649°,δ33.66333°,λ-62.61912°. NP2:ϕ_s330.66341°,δ60.51395°,λ-107.02942°. Principal axes: T 6.3746,Plg13.9152°,Azm72.9819°; N -0.9284,Plg14.7694°,Azm339.2368° ; P -5.4462,Plg69.4845°,Azm204.4428° $M_0$5.96486×10^{16}
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0. Presumed earthquake.
CATAC Error ellipse: s-maj=13.3km s-min=8.2km az=77.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.2km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.4km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.59 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$3.66 $M_{r\theta}$1.60 $M_{\theta\phi}$-0.75 $M_{\phi r}$-4.33 NP1:ϕ_s341.69000°,δ70.77000°,λ-95.18000°. NP2:ϕ_s177.08000° ,δ19.89000°,λ-75.48000°. Principal axes: T 5.9872,Plg26.0000°,Azm76.0000°

; N -0.1501,Plg5.0000°,Azm343.0000°; P -5.8371,Plg64.0000°,Azm243.0000°
$M_0$5.91000×10^{16}
NEIC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=10.0km az=69.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112052151A. Moment Tensor Solution. s73,c85; s128,c192; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.65±.01 $M_{\theta\theta}$-0.05±.02; $M_{\phi\phi}$0.69±.02; $M_{r\theta}$0.11±.01; $M_{\theta\phi}$-0.47±.02; $M_{\phi r}$-0.31±.02; Best double couple: NP1:ϕ_s149.00000°,δ34.00000° ,λ-98.00000°. NP2:ϕ_s338.00000°,δ56.00000°,λ-85.00000°. Principal axes: T 0.9930,Plg11.0000°,Azm64.0000°; N -0.2760,Plg5.0000°,Azm155.0000° ; P -0.7160,Plg78.0000°,Azm267.0000° $M_0$0.85500×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.44 $M_{\theta\theta}$-2.11 $M_{\phi\phi}$5.55 $M_{r\theta}$2.21 $M_{\theta\phi}$-2.25 $M_{\phi r}$-1.67 NP1:ϕ_s198.03000°,δ43.83000° ,λ-36.61000°. NP2:ϕ_s316.22000°,δ65.60000°,λ-127.62000°. Principal axes: T 6.6571,Plg13.0000°,Azm72.0000°; N -1.5719,Plg34.0000°,Azm334.0000° ; P -5.0852,Plg53.0000°,Azm180.0000° $M_0$6.03000×10^{16}

ISC	**XII**	**10 21 21 24.8–.68**	**24.04S–.04**	**67.28W–.04**	**190–6**		**108**	**1-163**
IDC	XII	10 21 21 24.7–2.1	24.03S	67.11W	164–21	4.0,3.4b	**¶621627309**	
NEIC	XII	10 21 21 24.7–2.0	24.11S–.06	67.34W–.09	193–7	4.6b,4.3L		
SJA	XII	10 21 21 25.3–2.1	24.09S	67.25W	181–17	3.7W,3.5L		
GUC	XII	10 21 21 26.1–.73	24.06S	67.37W	200–7	4.3L,3.5L		

ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=19.7km az=114.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.5km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=4.6km s-min=5.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.7km s-min=8.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**08 11 00 11.8–1.3**	**23.96S–.04**	**67.06W–.05**	**181**		**41**	**1-5**
SJA	XII	08 11 00 09.5–.57	23.95S	66.97W	212–6	3.6L,3.6W	**¶625752714**	
GUC	XII	08 11 00 11.0–.78	24.03S	67.08W	192–10	3.3L,3.6W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=6.8km s-min=4.9km az=-1.0. Presumed earthquake.

ISC	**XII**	**11 08 25 23.8–.61**	**24.12S–.04**	**67.39W–.03**	**169–6**	**4.5b**	**206**	**1-163**
SJA	XII	11 08 25 23.3–.66	24.20S	67.37W	185	4.2L,4.0W	**¶621627327**	
IDC	XII	11 08 25 23.4–2.0	24.16S	67.17W	149–19	4.4,3.8b		
NEIC	XII	11 08 25 24.1–1.7	24.20S–.07	67.3W–.10	164–8	4.6b,4.3		
GFZ	XII	11 08 25 24.8–.21	24S–2.0	67W–4.0	169–4	4.9b,4.3		
GUC	XII	11 08 25 25.4–.76	24.16S	67.55W	193–6	4.4L,4.3		
VAO	XII	11 08 25 27.1–1.1	23.96S	67.07W	185	4.3b,4.3		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=1.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=31.9km s-min=15.8km az=108.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=8.9km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=3.2km s-min=5.4km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=6.5km s-min=9.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**12 05 46 31.6–1.6**	**24.18S–.03**	**67.34W–.04**	**197–14**		**57**	**1-5**
SJA	XII	12 05 46 32.3–.60	24.19S	67.31W	193–4	3.3L,3.3W	**¶625752837**	
GUC	XII	12 05 46 34.8–.62	24.14S	67.62W	206–10	3.5L,3.3W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=7.2km s-min=9.5km az=-1.0. Presumed earthquake.

ISC	**XII**	**12 15 17 55.8–2.1**	**24.17S–.04**	**67.25W–.06**	**193–18**		**40**	**1-5**
SJA	XII	12 15 17 56.2–.73	24.23S	67.22W	185–9	3.3W,3.0L	**¶625752854**	
GUC	XII	12 15 17 57.0–.72	24.15S	67.25W	188–7	3.5L,3.0L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**13 12 44 09.6–1.5**	**31.89S–.03**	**70.57W–.05**	**113–10**		**60**	**0-5**
GUC	XII	13 12 44 09.9–.85	31.89S	70.59W	100–5	3.0L	**¶625752874**	
SJA	XII	13 12 44 09.0	31.89S	70.55W	117	3.1L		

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=7.2km az=-1.0. Presumed earthquake.
SJA Event type se. Presumed earthquake.

ISC	**XII**	**13 10 56 53.0–.75**	**23.99S–.04**	**67.15W–.03**	**197–7**		**93**	**1-147**
SJA	XII	13 10 56 53.8–.69	23.95S	67.13W	182–4	3.5L,3.5W	**¶621629196**	
NEIC	XII	13 10 56 54.8–.80	24.00S–.08	67.64W–.10	242–7	4.1b,3.9L		
GUC	XII	13 10 56 55.5–.64	23.94S	67.52W	219–12	3.9L,3.9L		
IDC	XII	13 10 56 55.6–3.6	23.85S	67.08W	180–36	3.8,3.9L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=1.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.3km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=6.6km s-min=14.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=36.4km s-min=30.7km az=100.0.

ISC	**XII**	**16 19 25 42.5–1.4**	**29.01S–.03**	**69.74W–.03**	**134–9**		**66**	**0-4**
SJA	XII	16 19 25 42.7–.76	29.04S	69.74W	128–3	3.6L,3.6W	**¶625752930**	
GUC	XII	16 19 25 44.0–.87	29.04S	69.81W	130–4	3.8L,3.6W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**16 01 00 25.2–.83**	**31.21S–.03**	**70.46W–.04**	**116–6**		**80**	**0-23**
SJA	XII	16 01 00 24.7–.67	31.20S	70.40W	115–2	3.2W,3.0L	**¶621630949**	
NEIC	XII	16 01 00 25.5–.64	31.22S–.03	70.46W–.06	113–7	4.0b,3.1L		
GUC	XII	16 01 00 26.0–.85	31.21S	70.45W	117–5	3.1L,3.1L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=2.7km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=4.9km az=-1.0. Presumed earthquake.

ISC	**XII**	**17 11 00 56.9–1.5**	**35.48S–.04**	**70.22W–.07**	**178–11**		**46**	**1-5**
SJA	XII	17 11 00 56.9–.74	35.57S	70.29W	170–8	3.9L,3.5W	**¶625752943**	
GUC	XII	17 11 00 58.6–.77	35.46S	70.35W	164–6	3.7L,3.5W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=7.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.9km s-min=10.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**19 10 03 15.8–1.0**	**24.13S–.05**	**67.18W–.04**	**196–11**		**51**	**1-20**
IDC	XII	19 10 03 14.5–1.9	24.17S	66.88W	131–59	3.7	**¶621657070**	
SJA	XII	19 10 03 14.9–1.2	24.15S	67.14W	206–7	3.5W,3.2L		
GUC	XII	19 10 03 17.3–.51	24.02S	67.15W	186–5	3.7L,3.2L		

ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=14.4km az=98.0.
SJA Event type se. Error ellipse: s-maj=4.2km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**19 01 58 08.5–2.5**	**24.33S–.05**	**67.21W–.08**	**201–24**		**25**	**2-4**
SJA	XII	19 01 58 08.7–.95	24.35S	67.21W	195–10	4.2W,2.8L	**¶625752987**	
GUC	XII	19 01 58 10.7–.45	24.18S	67.26W	199–27	2.9L,2.8L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=4.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=9.1km s-min=28.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**22 22 38 47.9–.87**	**24.41S–.04**	**67.27W–.03**	**189–9**		**85**	**1-24**
SJA	XII	22 22 38 48.1–.76	24.43S	67.26W	190–6	3.6W,3.4L	**¶621648312**	
NEIC	XII	22 22 38 49.1–1.5	24.33S–.03	67.5W–.20	212–15	4.2b,3.4L		
GUC	XII	22 22 38 50.5–.63	24.41S	67.50W	196–7	3.6L,3.4L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=2.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=2.6km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.6km s-min=5.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**26 04 58 53.5–1.4**	**32.06S–.02**	**70.23W–.04**	**108–10**		**76**	**1-3**
SJA	XII	26 04 58 51.8–.69	32.09S	70.14W	116–4	3.5W,3.1L	**¶625753140**	
GUC	XII	26 04 58 52.9–.75	32.06S	70.36W	107–4	3.1L,3.1L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=6.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**23 06 12 15.5–.81**	**24.24S–.04**	**67.10W–.04**	**195–8**		**48**	**1-147**
IDC	XII	23 06 12 14.4–2.1	24.15S	66.94W	165–22	3.5,3.3b	**¶621686810**	
SJA	XII	23 06 12 15.0–.67	24.23S	67.07W	203–5	3.6L,3.4W		

ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=17.6km az=95.0.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**24 08 54 15.7–1.4**	**30.46S–.03**	**70.75W–.04**	**84–9**		**50**	**0-5**
GUC	XII	24 08 54 14.5–.98	30.48S	70.65W	80–5	3.4L	**¶625753107**	
SJA	XII	24 08 54 14.4–.72	30.46S	70.71W	86–3	3.4W,3.2L		

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.8km s-min=3.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**24 16 41 02.4–1.4**	**33.17S–.03**	**70.53W–.04**	**90–7**		**57**	**0-4**
SJA	XII	24 16 41 00.3–.57	33.21S	70.55W	95–6	3.0W,2.7L	**¶625753109**	
GUC	XII	24 16 41 01.4–.73	33.15S	70.50W	100–2	2.8L,2.7L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Presumed earthquake.

ISC	**XII**	**25 08 52 19.1–1.9**	**24.58S–.04**	**67.99W–.04**	**168–19**		**37**	**2-4**
SJA	XII	25 08 52 19.5–.77	24.66S	67.97W	150	3.3W,3.0L	**¶625753115**	
GUC	XII	25 08 52 19.5–.66	24.61S	67.99W	165–6	3.2L,3.0L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.0km s-min=2.3km az=-1.0. Presumed earthquake.

ISC	**XII**	**28 06 30 18.9–2.4**	**24.17S–.06**	**67.15W–.06**	**204–21**		**32**	**1-5**
SJA	XII	28 06 30 19.7–.58	24.22S	67.11W	178–9	3.3W,3.2L	**¶625753189**	
GUC	XII	28 06 30 21.5–.57	24.02S	67.34W	211–11	3.6L,3.2L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=7.7km s-min=10.9km az=-1.0. Presumed earthquake.

ISC	**XII**	**26 19 04 55.6–.69**	**34.52S–.03**	**70.48W–.05**	**126–5**	**4.4b**	**108**	**0-51**
SJA	XII	26 19 04 55.8–.65	34.53S	70.50W	125–4	3.8L,3.7W	**¶621653685**	
NEIC	XII	26 19 04 56.3–.81	34.53S–.05	70.45W–.06	123–5	4.4b,3.9L		
GUC	XII	26 19 04 57.4–.86	34.49S	70.48W	123–2	3.9L,3.9L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=4.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.8km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0. Presumed earthquake.

ISC	**XII**	**26 19 13 01.2–1.3**	**30.26S–.03**	**70.31W–.04**	**122–7**		**76**	**0-4**
SJA	XII	26 19 13 01.4–.81	30.27S	70.23W	114–4	3.1W,2.9L	**¶625753158**	
GUC	XII	26 19 13 02.0–.71	30.25S	70.29W	122–3	3.1L,2.9L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0. Presumed earthquake.

ISC	**XII**	**27 21 31 53.7–2.3**	**23.99S–.05**	**67.21W–.06**	**196–21**		**35**	**1-4**
SJA	XII	27 21 31 53.4–.64	24.03S	67.17W	197–7	3.3W,3.0L	**¶625753184**	
GUC	XII	27 21 31 55.3–.46	23.88S	67.16W	186–7	3.2L,3.0L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.7km s-min=2.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=3.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**29 03 23 48.1–.76**	**24.04S–.04**	**67.12W–.03**	**193–7**		**80**	**1-77**
SJA	XII	29 03 23 47.1–.78	24.06S	67.11W	209–5	3.6L,3.6W	**¶621656488**	
NEIC	XII	29 03 23 49.1–1.3	24.03S–.03	67.2W–.10	202–9	4.3b,3.5L		
GUC	XII	29 03 23 49.4–.55	24.08S	67.32W	211–8	3.5L,3.5L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=2.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=2.7km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.5km s-min=5.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**29 04 28 41.8–1.4**	**23.98S–.05**	**67.27W–.06**	**178**		**31**	**1-5**
SJA	XII	29 04 28 39.4–1.1	23.96S	67.13W	203	3.0L,2.9W	**¶625753207**	
GUC	XII	29 04 28 40.3–.41	23.92S	67.38W	224–11	2.9L,2.9W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.6km s-min=4.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=5.9km az=-1.0. Presumed earthquake.

ISC	**XII**	**30 23 02 51.7–2.0**	**24.15S–.04**	**67.11W–.06**	**201–17**		**45**	**1-5**
SJA	XII	30 23 02 51.8–.65	24.21S	67.12W	199–6	3.4W,3.3L	**¶625753231**	
GUC	XII	30 23 02 53.9–.54	24.07S	67.34W	216–8	3.5L,3.3L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=8.1km az=-1.0. Presumed earthquake.

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ISC	**VII**	**01 01 55 52.3–.68**	**23.90S–.04**	**66.74W–.05**	**209–7**	**3.8b**	**108**	**0-146**
IDC	VII	01 01 55 51.9–1.6	23.86S	66.57W	192–16	3.8,3.4b	**¶620927649**	
SJA	VII	01 01 55 51.6–.56	23.92S	66.77W	226–4	3.8L,3.6W		
NEIC	VII	01 01 55 52.8–1.2	23.89S–.07	67.0W–.10	238–7	4.5b,4.3L		
GUC	VII	01 01 55 53.2–.62	23.81S	66.79W	217–9	4.3L,4.3L		

ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=13.9km az=74.0.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.2km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=5.2km s-min=3.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**04 15 45 21.9–2.3**	**23.98S–.07**	**66.90W–.06**	**212–17**		**38**	**1-5**
GUC	VII	04 15 45 23.6–.58	23.85S	66.88W	200–10	3.6L	**¶624631847**	
SJA	VII	04 15 45 24.3–.97	23.98S	66.94W	175	3.4W,3.0L		

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=8.1km s-min=4.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.9km s-min=3.5km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 19 42 06.3–1.4**	**24.00S–.05**	**66.95W–.06**	**150**		**33**	**1-5**
SJA	VII	05 19 42 03.1–.71	24.01S	66.92W	205–7	3.5L,3.4W	**¶624631896**	
GUC	VII	05 19 42 05.3–.64	23.98S	67.37W	241–9	3.4L,3.4W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=2.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.0km s-min=9.5km az=-1.0. Presumed earthquake.

ISC	**VII**	**06 08 33 06.5–2.0**	**23.02S–.04**	**66.75W–.08**	**232–17**		**51**	**1-5**
SJA	VII	06 08 33 04.3–.70	23.10S	66.63W	252–8	3.3W,3.1L	**¶624631912**	
GUC	VII	06 08 33 07.0–.54	23.01S	67.01W	264–10	3.5L,3.1L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.2km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.2km s-min=9.0km az=-1.0. Presumed earthquake.

SJA	**VII**	**09 11 58 08.5–.96**	**22.68S**	**66.35W**	**251–8**	**3.5W,3.3L**	**¶626243464**	
SJA	Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=-1.0. Presumed earthquake.							
ISC	**VII**	**10 00 06 46.4–.49**	**22.91S–.04**	**66.23W–.05**	**242**	**4.2b**	**113**	**1-145**
SJA	VII	10 00 06 45.1–.73	22.89S	66.12W	268–5	4.6L,4.4W	**¶620913569**	
IDC	VII	10 00 06 46.5–2.5	22.95S	66.04W	222–26	4.0,3.5b		
NEIC	VII	10 00 06 46.7–1.3	22.95S–.07	66.18W–.09	251–10	4.4b,3.5b		
VAO	VII	10 00 06 48.0–1.3	22.86S	66.26W	268–8	4.0b,3.5b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.9km s-min=2.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=33.0km s-min=21.0km az=57.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.6km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=9.4km s-min=10.8km az=-1.0. Presumed earthquake.

ISC	**VII**	**13 08 50 10.8–.74**	**23.98S–.05**	**66.82W–.05**	**200**		**57**	**1-146**
IDC	VII	13 08 50 09.1–1.6	24.06S	66.62W	172–23	3.6,3.4b	**¶620823834**	
NEIC	VII	13 08 50 12.6–.93	23.98S–.08	66.9W–.20	220–16	4.2b,3.4b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**17 03 19 42.8–.70**	**23.42S–.04**	**66.81W–.04**	**215–7**		**81**	**1-163**

SJA VII 17 03 19 43.6–.66 23.35S 66.83W 219–5 4.2L,3.8W ¶620833040
IDC VII 17 03 19 43.4–1.9 23.44S 66.72W 191–20 3.6,3.1b
NEIC VII 17 03 19 44.4–.94 23.44S–.09 67.0W–.10 234–14 4.5b,4.2L
GUC VII 17 03 19 44.8–.57 23.50S 66.92W 218–7 4.2L,4.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.7km s-min=2.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=25.4km s-min=17.2km az=92.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=12.2km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.6km s-min=2.8km az=-1.0. Presumed earthquake.
ISC VII 19 09 44 48.9–.61 23.29S–.04 64.52W–.05 10 33 1-145
IDC VII 19 09 44 47.9–.90 23.33S 64.57W 0 3.8,3.7L ¶620928864
SJA VII 19 09 44 49.0–.53 23.33S 64.61W 19–4 4.2W,3.9L
VAO VII 19 09 44 55.3–.54 22.74S 64.24W 0 4.2b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=11.1km az=93.0.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=2.8km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=3.1km s-min=5.4km az=-1.0. Presumed earthquake.
SJA VIII 02 17 55 17.2–.57 23.41S 66.82W 218–5 3.5W,3.3L
¶625829032
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.4km az=-1.0. Presumed earthquake.
ISC VIII 01 03 35 31.0–.67 23.61S–.04 66.95W–.04 210–6 4.3b 110 1-163
SJA VIII 01 03 35 30.8–.73 23.65S 66.95W 215–5 4.1L,3.7W ¶620925410
NEIC VIII 01 03 35 31.9–1.4 23.62S–.07 67.0W–.10 216–8 4.3b,4.1L
IDC VIII 01 03 35 32.5–2.7 23.50S 66.75W 203–31 3.9,3.5b
GUC VIII 01 03 35 33.3–.44 23.53S 67.21W 228–6 4.1L,3.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=10.7km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.1km s-min=18.4km az=115.0.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=4.6km az=-1.0. Presumed earthquake.
ISC VII 26 07 58 09.1–.65 23.14S–.05 66.77W–.05 216–7 4.3b 87 1-146
NEIC VII 26 07 58 08.3–1.1 23.15S–.07 66.6W–.10 191–10 4.3b ¶620846096
IDC VII 26 07 58 09.7–1.8 23.14S 66.66W 198–22 3.9,3.4b
SJA VII 26 07 58 09.6–.71 23.16S 66.78W 224–7 3.7L,3.7W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.9km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.6km s-min=17.1km az=109.0.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.9km az=-1.0. Presumed earthquake.
ISC VIII 04 00 15 50.2–1.3 23.87S–.04 66.86W–.06 181 46 1-5
SJA VIII 04 00 15 48.0–.59 23.89S 66.81W 219–8 3.5W,3.3L ¶624776081
GUC VIII 04 00 15 51.5–.53 23.74S 67.22W 245 3.7L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.0km s-min=4.7km az=-1.0. Presumed earthquake.
ISC VIII 11 06 16 42.5–.79 22.86S–.05 66.34W–.05 250 70 1-23
SJA VIII 11 06 16 41.9–.60 22.88S 66.33W 261–5 4.1L,3.7W ¶620983351
NEIC VIII 11 06 16 43.2–1.2 22.91S–.09 66.40W–.08 254–16 4.3b,3.7W
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 04 16 11 10.0–1.8 23.65S–.04 66.90W–.05 192–15 56 1-5
SJA VIII 04 16 11 09.2–.62 23.59S 66.86W 212–9 3.4W,3.3L ¶624776091
GUC VIII 04 16 11 10.0–.59 23.54S 66.92W 216–5 3.6L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.6km s-min=2.1km az=-1.0. Presumed earthquake.
SJA VIII 07 04 09 24.4–.62 22.51S 66.13W 270–4 3.5L,3.4W
¶625829099
SJA Event type se. Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0. Presumed earthquake.
ISC VIII 10 01 09 50.6–.57 23.89S–.05 66.73W–.05 195 3.9b 80 0-146
SJA VIII 10 01 09 50.5–.59 23.88S 66.74W 223–5 3.9L,3.8W ¶620979399
IDC VIII 10 01 09 50.6–1.7 23.85S 66.63W 193–17 3.7,3.2b
NEIC VIII 10 01 09 51.0–1.1 23.92S–.07 66.69W–.06 207–9 4.3b,3.2b
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 11 19 36 26.8–.78 22.84S–.04 66.99W–.05 219–8 108 1-76
SJA VIII 11 19 36 26.8–.71 22.79S 66.91W 218–6 3.7L,3.5W ¶621009354
IDC VIII 11 19 36 26.4–1.6 22.86S 66.73W 163–20 4.1,3.9b
NEIC VIII 11 19 36 28.2–2.0 22.94S–.08 67.1W–.20 221–13 4.2b,4.0L
GUC VIII 11 19 36 29.7–.62 22.80S 67.30W 235–7 3.9L,4.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=2.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=29.8km s-min=12.9km az=107.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=11.8km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.8km s-min=6.5km az=-1.0. Presumed earthquake.
SJA VIII 14 00 29 32.5–.72 22.53S 66.12W 280–6 3.6L,3.5W
¶625829191
SJA Event type se. Error ellipse: s-maj=3.2km s-min=2.7km az=-1.0. Presumed earthquake.
ISC VIII 13 08 37 58.2–1.7 23.73S–.04 66.86W–.04 218–12 68 1-5
GUC VIII 13 08 37 58.3–.66 23.70S 66.84W 233–5 4.0L ¶624776210
SJA VIII 13 08 37 59.3–.66 23.72S 66.87W 207–5 3.6L,3.4W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.2km s-min=3.0km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=2.2km az=-1.0. Presumed earthquake.
ISC VIII 15 00 19 39.3–2.1 23.98S–.04 66.76W–.06 215–18 55 1-5
SJA VIII 15 00 19 40.0–.59 24.05S 66.80W 213–6 3.2W,3.0L ¶624776248
GUC VIII 15 00 19 41.5–.57 23.90S 66.81W 207–7 3.5L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=6.9km s-min=3.4km az=-1.0. Presumed earthquake.
SJA VIII 16 19 21 48.1–.78 23.07S 66.66W 239–7 3.6W,3.1L
¶625829216
SJA Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=-1.0. Presumed earthquake.
SJA VIII 27 06 50 08.8–.93 22.74S 66.14W 250 3.6W,3.2L
¶625829445
SJA Event type se. Error ellipse: s-maj=5.8km s-min=8.4km az=-1.0. Presumed earthquake.
ISC VIII 25 00 53 38.2–.61 22.90S–.04 66.89W–.05 197–6 4.2b 222 1-146
SJA VIII 25 00 53 36.5–.59 22.88S 66.84W 228–5 4.2L,3.9W ¶621003198
VAO VIII 25 00 53 37.8–.74 22.83S 66.84W 200 4.4b,3.9W
GFZ VIII 25 00 53 38.9–.17 23S–2.0 67W–3.0 197–3 4.2b,4.2
NEIC VIII 25 00 53 38.3–1.6 22.84S–.05 66.80W–.06 192–6 4.3b,4.2
IDC VIII 25 00 53 38.3–1.6 22.85S 66.76W 186–15 4.1,3.5b
GUC VIII 25 00 53 40.3–.77 22.86S 67.07W 218–12 4.3L,3.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.2km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=4.4km s-min=7.9km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=5.6km s-min=4.8km az=66.9. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=2.2km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=12.4km az=78.0.
GUC Event type se. Error ellipse: s-maj=4.3km s-min=8.9km az=-1.0. Presumed earthquake.
SJA VIII 26 03 44 03.3–.60 23.74S 66.65W 216–4 3.3L,3.3W
¶625829417
SJA Event type se. Error ellipse: s-maj=1.7km s-min=2.1km az=-1.0. Presumed earthquake.
ISC VIII 18 18 01 44.7–.93 23.07S–.05 66.71W–.05 222 39 1-146
SJA VIII 18 18 01 43.4–.73 23.10S 66.67W 240–5 3.7W,3.6L ¶621030396
IDC VIII 18 18 01 47.9–4.8 22.95S 67.78W 242–53 3.6,3.2b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=192.7km s-min=31.7km az=97.0.
ISC VIII 22 07 24 58.2–2.0 22.72S–.04 66.39W–.06 226–14 62 1-5
SJA VIII 22 07 24 56.1–.59 22.74S 66.32W 255–5 3.5L,3.4W ¶624776355
GUC VIII 22 07 24 57.1–.56 22.73S 66.48W 260–15 4.0L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.0km s-min=10.7km az=-1.0. Presumed earthquake.
ISC IX 01 14 17 13.1–.68 23.91S–.05 66.94W–.05 214–7 96 1-132
SJA IX 01 14 17 11.8–.59 23.94S 66.86W 220–6 3.9L,3.8W ¶621080626
NEIC IX 01 14 17 13.4–1.1 23.92S–.08 67.09W–.10 229–9 4.3b,3.8W
GUC IX 01 14 17 13.8–.68 23.91S 67.27W 249–9 4.2L,3.8W
IDC IX 01 14 17 15.3–2.6 23.67S 66.84W 225–33 4.0,3.3b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=1.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=11.3km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.1km s-min=8.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=32.8km s-min=18.4km az=121.0.
SJA VIII 31 19 50 33.2–.60 23.09S 66.83W 224–7 3.6W,3.2L
¶625829497
SJA Event type se. Error ellipse: s-maj=2.6km s-min=2.5km az=-1.0. Presumed earthquake.
ISC IX 25 19 55 05.4–.49 23.80S–.03 66.89W–.04 206–4 4.6b 301 1-166
NEIC IX 25 19 55 05.8–2.5 23.84S–.06 66.9W–.10 210–6 4.9L,4.8b ¶621110131
VAO IX 25 19 55 05.2–.87 23.80S 66.76W 202–6 4.4b,4.8b
SJA IX 25 19 55 05.0–.82 23.84S 66.87W 220–4 4.6L,4.3W
GFZ IX 25 19 55 06.0–.17 24S–2.0 67W–3.0 207–5 5.1b,4.5b
IDC IX 25 19 55 06.8–1.7 23.72S 66.65W 209–14 4.4,3.8b
GUC IX 25 19 55 08.1–.71 23.76S 67.20W 217–10 4.9L,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.3km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.4km s-min=7.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=16.7km s-min=11.3km az=97.0.
GUC Event type se. Error ellipse: s-maj=9.8km s-min=13.3km az=-1.0. Presumed earthquake.
ISC IX 04 08 25 32.1–.72 23.94S–.04 66.86W–.04 212–8 100 1-146
IDC IX 04 08 25 31.4–1.7 23.97S 66.64W 184–19 3.6,3.4b ¶621030596
SJA IX 04 08 25 31.9–.64 23.89S 66.82W 221–6 3.7L,3.6W
NEIC IX 04 08 25 32.7–1.8 23.96S–.08 66.9W–.20 223–17 4.2b,4.1L
GUC IX 04 08 25 34.5–.66 23.80S 67.21W 246–5 4.0L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=14.2km az=107.0.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=10.7km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.3km s-min=6.4km az=-1.0. Presumed earthquake.
ISC IX 07 03 42 42.6–1.9 23.88S–.05 66.60W–.05 222–14 52 0-5
SJA IX 07 03 42 43.2–.61 23.89S 66.64W 231–5 3.5L,3.3W ¶624897132
GUC IX 07 03 42 46.2–.52 23.80S 67.13W 245–4 3.4L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.2km s-min=7.4km az=-1.0. Presumed earthquake.
SJA IX 11 07 07 06.5–1.1 22.95S 66.46W 236–7 3.6W,3.3L
¶626551417
SJA Event type se. Error ellipse: s-maj=3.5km s-min=5.5km az=-1.0. Presumed earthquake.
ISC IX 11 16 32 58.0–1.9 22.74S–.04 66.96W–.04 222–15 63 1-7
SJA IX 11 16 32 58.7–.61 22.70S 66.91W 214–6 3.6W,3.5L ¶624897189
GUC IX 11 16 32 59.6–.55 22.72S 66.95W 209–4 3.9L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.7km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=-1.0. Presumed earthquake.
ISC IX 20 20 49 18.4–1.0 23.44S–.04 66.99W–.04 214–8 96 1-24
SJA IX 20 20 49 18.1–.68 23.46S 66.94W 217–4 3.9L,3.7W ¶622452188
NEIC IX 20 20 49 19.8–1.4 23.45S–.07 67.1W–.20 212–14 4.3b,4.0L
GUC IX 20 20 49 22.1–.45 23.30S 67.35W 231–4 4.0L,4.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=10.7km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=4.1km az=-1.0. Presumed earthquake.
ISC IX 07 18 28 34.8–1.3 23.82S–.05 66.90W–.04 200 48 1-5
SJA IX 07 18 28 32.4–.65 23.89S 66.76W 220–7 3.4L,3.4W ¶624897146
GUC IX 07 18 28 33.2–.59 23.86S 66.81W 219–8 3.6L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.8km s-min=2.9km az=-1.0. Presumed earthquake.
ISC IX 12 11 45 57.3–1.7 23.99S–.04 66.77W–.05 221–11 73 0-5
GUC IX 12 11 45 55.9–.47 24.02S 66.75W 258–5 4.4L ¶624897201
SJA IX 12 11 45 59.0–.70 23.96S 66.78W 208–3 3.7L,3.7W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=4.5km s-min=3.1km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. Presumed earthquake.
ISC IX 22 17 37 45.0–2.4 23.76S–.07 66.77W–.07 218–21 41 2-5
GUC IX 22 17 37 47.0–.55 23.64S 66.76W 209–10 2.9L ¶624897471
SJA IX 22 17 37 48.5–.78 23.78S 66.84W 180 3.2W,2.9L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=6.3km s-min=4.4km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=5.9km s-min=8.5km az=-1.0. Presumed earthquake.
SJA IX 11 11 26 36.6–.58 22.73S 66.42W 262–4 4.0L,3.7W
¶626551419
SJA Event type se. Error ellipse: s-maj=2.4km s-min=2.1km az=-1.0. Presumed earthquake.
ISC IX 16 00 18 43.2–.63 23.98S–.04 66.83W–.04 207–6 4.2b 128 1-146
IDC IX 16 00 18 41.8–1.5 23.99S 66.82W 174–16 3.8,3.2b ¶621079018
VAO IX 16 00 18 41.5–2.5 23.98S 66.94W 195–11 4.2b,3.2b
SJA IX 16 00 18 42.3–.72 23.95S 66.79W 229–5 4.0L,3.8W
NEIC IX 16 00 18 43.7–1.6 24.00S–.07 66.8W–.10 202–7 4.4b,3.8W
ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 03 19 49.6–.75 23.88S–.04 66.85W–.05 210–7 72 1-76
SJA IX 26 03 19 48.6–.64 23.93S 66.82W 219–3 3.9L,3.7W ¶621110149
NEIC IX 26 03 19 49.7–1.0 23.93S–.09 66.9W–.20 228–18 4.4b,3.7W
IDC IX 26 03 19 49.2–1.7 23.85S 66.72W 190–21 3.6,3.3b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=12.4km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.4km s-min=16.8km az=95.0.
ISC IX 30 05 48 56.4–1.7 22.63S–.08 66.02W–.10 300 35 1-5
SJA IX 30 05 48 58.0–.62 22.54S 66.08W 272–6 3.8L,3.8W ¶624897605
GUC IX 30 05 49 42.9–.79 21.05S 68.74W 92–6 3.3L,3.8W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.9km s-min=4.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.5km az=-1.0. Presumed earthquake.
SJA IX 29 06 53 21.5–.67 22.55S 66.16W 279–7 3.5L,3.4W
¶626551534
SJA Event type se. Error ellipse: s-maj=3.5km s-min=3.1km az=-1.0. Presumed earthquake.
ISC IX 28 22 08 42.6–.68 23.95S–.04 66.87W–.04 210–6 4.1b 96 1-163
IDC IX 28 22 08 41.8–1.8 23.85S 66.76W 185–18 3.7,3.2b ¶621112339
NEIC IX 28 22 08 42.9–1.9 23.95S–.09 67.0W–.20 222–16 4.3b,4.0L
SJA IX 28 22 08 42.1–.68 23.95S 66.83W 220–6 3.8L,3.8W

GUC IX 28 22 08 45.0–.56 23.82S 67.20W 242–9 4.0L,3.8W
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=14.7km az=99.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=11.9km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.8km s-min=9.4km az=-1.0. Presumed earthquake.
ISC IX 28 23 17 21.1–.62 23.90S–.05 66.81W–.04 215–6 4.0b 94 1-146
IDC IX 28 23 17 19.9–1.9 23.83S 66.65W 195–19 3.6,3.1b **¶621112346**
SJA IX 28 23 17 19.8–.60 23.93S 66.74W 229–4 3.8L,3.6W
NEIC IX 28 23 17 20.9–1.7 24.02S–.08 66.8W–.10 215–10 4.1L,4.1b
GUC IX 28 23 17 22.4–.56 23.78S 67.01W 241–12 4.2L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=16.0km az=97.0.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=11.6km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.5km s-min=11.0km az=-1.0. Presumed earthquake.
ISC X 03 04 11 24.9–1.3 23.94S–.05 66.97W–.05 181 45 1-5
SJA X 03 04 11 21.9–1.5 23.94S 66.87W 220–16 3.5W,3.1L **¶625233375**
GUC X 03 04 11 24.0–.72 23.89S 67.24W 244–6 3.6L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.8km s-min=6.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.8km s-min=6.1km az=-1.0. Presumed earthquake.
ISC X 08 06 43 07.7–.58 23.87S–.04 66.84W–.04 207–6 4.1b 166 1-163
IDC X 08 06 43 06.0–1.5 23.88S 66.69W 181–15 4.0,3.5b **¶621134175**
SJA X 08 06 43 06.8–.61 23.87S 66.79W 225–4 4.1L,4.0W
NEIC X 08 06 43 07.6–1.3 23.92S–.07 66.8W–.10 204–8 4.5b,4.3
GUC X 08 06 43 08.9–.66 23.83S 67.13W 245–6 4.6L,4.3
VAO X 08 06 43 12.6–1.1 23.55S 66.57W 235 4.0b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=11.3km az=102.0.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.8km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=5.9km s-min=6.3km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=6.8km s-min=9.8km az=-1.0. Presumed earthquake.
ISC X 04 04 12 32.5–1.8 23.17S–.04 66.80W–.06 217–14 55 1-5
SJA X 04 04 12 32.8–.61 23.15S 66.77W 221–6 3.5L,3.4W **¶625233401**
GUC X 04 04 12 35.1–.71 23.11S 67.08W 235–10 3.7L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.5km s-min=8.3km az=-1.0. Presumed earthquake.
ISC X 17 07 29 43.1–.59 23.98S–.04 66.93W–.04 210–6 4.4b 162 1-163
IDC X 17 07 29 42.4–1.8 23.96S 66.76W 188–17 4.1,3.5b **¶621204820**
SJA X 17 07 29 42.8–.62 23.94S 66.87W 209–3 4.2L,3.8W
NEIC X 17 07 29 43.4–2.0 23.96S–.07 66.98W–.08 215–8 4.5b,4.3L
GUC X 17 07 29 45.2–.65 23.88S 67.22W 236–5 4.3L,4.3L
VAO X 17 07 29 47.5–1.0 23.65S 66.60W 215–9 4.0b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=15.4km az=86.0.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.8km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=8.2km s-min=8.9km az=-1.0. Presumed earthquake.
SJA X 11 04 52 22.0–.52 22.66S 66.19W 272–5 3.5W,3.3L
¶625829718
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.2km az=-1.0. Presumed earthquake.
ISC X 10 14 03 11.5–.66 23.88S–.05 66.79W–.04 221–6 4.3b 82 1-146
NEIC X 10 14 03 13.1–.55 23.87S–.08 67.0W–.10 236–9 4.3b,3.8L **¶621144261**
SJA X 10 14 03 13.2–1.3 23.93S 66.83W 203–9 3.5W,3.2L
GUC X 10 14 03 14.3–.68 23.85S 67.12W 245–9 3.8L,3.2L
IDC X 10 14 03 14.2–7.4 23.74S 66.53W 209–58 3.5,2.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.1km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=4.3km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.3km s-min=7.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=72.7km s-min=25.1km az=20.0.
ISC X 10 23 21 44.4–.57 23.12S–.04 66.70W–.04 218–6 4.3b 221 1-166
VAO X 10 23 21 43.9–.93 23.12S 66.74W 215–9 4.4b **¶621144609**
IDC X 10 23 21 44.0–1.6 23.06S 66.55W 207–15 4.3,3.7b
SJA X 10 23 21 44.2–.63 23.10S 66.73W 234–5 4.3L,4.0W
NEIC X 10 23 21 45.7–1.3 23.12S–.07 66.89W–.10 235–8 4.6,4.4b
GFZ X 10 23 21 45.7–.19 23S–3.0 67W–3.0 223–5 4.8b,4.4
GUC X 10 23 21 46.5–.52 23.08S 67.06W 247–7 4.7L,4.4
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=5.8km s-min=9.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.7km s-min=11.1km az=91.0.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.9km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=5.7km az=-1.0. Presumed earthquake.
ISC X 15 21 37 41.6–1.8 23.50S–.04 66.83W–.05 216–13 62 1-5
SJA X 15 21 37 41.9–.61 23.54S 66.79W 216–5 3.2L,3.2W **¶625233655**
GUC X 15 21 37 43.0–.60 23.48S 66.86W 214–6 3.3L,3.2W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=-1.0. Presumed earthquake.
ISC X 15 21 58 18.7–1.3 22.61S–.04 66.30W–.05 250 60 1-5
GUC X 15 21 58 17.9–.49 22.57S 66.27W 266–4 4.0L **¶625233656**
SJA X 15 21 58 17.0–.69 22.58S 66.16W 270–5 3.7L,3.6W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.8km s-min=2.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=2.9km az=-1.0. Presumed earthquake.
ISC X 18 17 41 14.4–4.0 22.7S–.10 66.9W–.30 290–31 31 2-4
SJA X 18 17 41 10.8–.91 22.72S 66.57W 260–32 3.6W,3.2L **¶625233766**
GUC X 18 17 41 12.8–.56 22.76S 66.71W 288–13 3.5L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=8.5km s-min=26.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.1km s-min=12.8km az=-1.0. Presumed earthquake.
ISC X 21 20 43 22.3–1.8 22.95S–.04 66.85W–.06 234–14 60 1-5
SJA X 21 20 43 23.7–.66 22.95S 66.83W 224–5 3.4W,3.3L **¶625230110**
GUC X 21 20 43 25.8–.59 22.90S 67.21W 250–9 3.6L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.8km s-min=8.8km az=-1.0. Presumed earthquake.
ISC XI 01 02 10 31.2–1.4 23.91S–.06 66.83W–.07 200 34 1-5
SJA XI 01 02 10 30.0–.71 23.95S 66.79W 216–9 3.2W,2.8L **¶625536783**
GUC XI 01 02 10 32.1–.49 23.76S 66.80W 202–8 2.9L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0. Presumed earthquake.
ISC X 28 19 24 44.3–2.4 22.92S–.06 66.86W–.07 210–20 44 1-5
SJA X 28 19 24 44.0–.56 22.87S 66.86W 224–6 3.4W,3.3L **¶625230285**
GUC X 28 19 24 46.6–.78 22.84S 67.17W 239–11 3.6L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.6km s-min=10.2km az=-1.0. Presumed earthquake.
ISC X 28 21 32 49.3–2.0 23.14S–.05 66.68W–.06 225–17 56 1-5
SJA X 28 21 32 48.9–.64 23.11S 66.63W 240–7 3.6W,3.3L **¶625230288**
GUC X 28 21 32 52.6–.54 23.05S 67.10W 255–10 3.5L,3.3L

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=2.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=10.1km az=-1.0. Presumed earthquake.
ISC XI 05 02 30 48.7–.62 23.88S–.05 66.79W–.05 200 3.6b 75 1-146
IDC XI 05 02 30 48.2–1.8 23.86S 66.73W 188–18 3.6,2.8b **¶621361558**
SJA XI 05 02 30 48.8–.73 23.87S 66.71W 217–12 3.7W,3.6L
NEIC XI 05 02 30 50.0–1.0 23.90S–.08 66.9W–.10 229–11 4.2b,3.9L
GUC XI 05 02 30 49.1–.76 23.99S 66.76W 228–15 3.9L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=16.2km az=93.0.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=4.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=11.4km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=7.7km s-min=6.3km az=-1.0. Presumed earthquake.
ISC XI 01 21 26 57.1–2.1 23.10S–.05 66.72W–.07 221–17 41 1-5
SJA XI 01 21 26 56.5–.57 23.04S 66.65W 228–6 3.3W,3.2L **¶625536816**
GUC XI 01 21 26 58.9–.49 22.99S 66.98W 246–14 3.5L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.6km s-min=12.3km az=-1.0. Presumed earthquake.
ISC XI 04 03 24 17.1–.69 22.41S–.05 66.23W–.06 250 62 1-68
SJA XI 04 03 24 17.2–.62 22.41S 66.28W 288–6 3.8L,3.7W **¶622506127**
NEIC XI 04 03 24 18.1–1.2 22.38S–.08 66.3W–.10 274–11 4.0b,3.7W
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 18 10 30 04.6–.35 23.10S–.04 66.72W–.04 200 4.5b 252 1-166
SJA XI 18 10 30 03.6–.69 23.08S 66.71W 234–6 4.8L,4.3W **¶621414840**
NEIC XI 18 10 30 04.8–2.0 23.12S–.07 66.59W–.09 201–6 4.5,4.5b
GFZ XI 18 10 30 05.8–.21 23S–2.0 67W–3.0 204–2 5.2b,4.6
GUC XI 18 10 30 05.5–.49 23.09S 67.00W 246–7 4.8L,4.6
IDC XI 18 10 30 05.4–1.4 23.08S 66.57W 204–13 4.4,3.7b
VAO XI 18 10 30 07.9–.42 23.02S 66.57W 243 4.6b,3.7b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=2.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.7km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.8km s-min=4.2km az=83.5. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=4.0km s-min=6.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.0km s-min=12.0km az=75.0.
VAO Event type se. Error ellipse: s-maj=3.4km s-min=4.6km az=-1.0. Presumed earthquake.
ISC XI 05 08 19 24.0–1.9 23.96S–.04 66.88W–.06 231–15 49 1-5
SJA XI 05 08 19 24.9–.54 23.98S 66.83W 225–4 3.4W,3.3L **¶625536914**
GUC XI 05 08 19 27.8–.64 23.95S 67.32W 250–9 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=1.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=8.3km az=-1.0. Presumed earthquake.
ISC XI 07 16 42 43.1–2.3 22.83S–.06 66.17W–.09 222–18 33 1-5
SJA XI 07 16 42 42.3–.49 23.00S 66.08W 224–6 3.4W,3.2L **¶625536956**
GUC XI 07 16 42 46.9–.69 22.84S 66.74W 275–29 3.6L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.6km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=6.1km s-min=30.3km az=-1.0. Presumed earthquake.
SJA XI 09 01 02 41.1–1.2 22.69S 66.33W 248–8 3.5L,3.5W
¶625830055
SJA Event type se. Error ellipse: s-maj=4.1km s-min=4.6km az=-1.0. Presumed earthquake.
ISC XI 13 12 12 07.4–.62 22.79S–.04 66.50W–.04 254–6 4.2b 113 1-145
IDC XI 13 12 12 06.3–1.5 22.84S 66.39W 200–17 4.1,3.5b **¶621402732**
SJA XI 13 12 12 07.1–.59 22.74S 66.40W 263–4 4.2L,3.9W
NEIC XI 13 12 12 08.0–1.3 22.79S–.07 66.49W–.10 267–11 4.5L,4.2b
GUC XI 13 12 12 09.4–.67 22.74S 66.53W 231–12 4.5L,4.2b
VAO XI 13 12 12 11.6–4.0 22.84S 66.19W 277 4.1b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=13.2km az=105.0.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=2.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=4.2km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=11.8km s-min=38.4km az=-1.0. Presumed earthquake.
ISC XI 15 01 05 38.9–.63 23.44S–.04 66.84W–.04 214–6 4.3b 140 1-146
NEIC XI 15 01 05 38.6–1.7 23.47S–.07 66.71W–.10 203–4 4.8L,4.5b **¶621403210**
IDC XI 15 01 05 38.3–2.0 23.36S 66.69W 204–19 4.2,3.5b
GUC XI 15 01 05 38.8–.59 23.38S 66.88W 236–5 4.7L,3.5b
SJA XI 15 01 05 38.8–1.0 23.41S 66.79W 223–8 4.0L,4.0W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.0km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.4km s-min=14.8km az=94.0.
GUC Event type se. Error ellipse: s-maj=3.8km s-min=3.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=3.0km az=-1.0. Presumed earthquake.
SJA XI 23 10 00 14.4–.73 22.63S 66.22W 275–6 3.7L,3.6W
¶625825409
SJA Event type se. Error ellipse: s-maj=3.2km s-min=2.9km az=-1.0. Presumed earthquake.
ISC XI 25 20 32 21.8–1.3 23.59S–.06 66.88W–.05 196 32 1-5
SJA XI 25 20 32 20.4–.91 23.55S 66.81W 211–9 3.3L,3.1W **¶625537374**
GUC XI 25 20 32 22.1–.62 23.65S 67.25W 247–13 3.6L,3.1W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=6.9km s-min=14.5km az=-1.0. Presumed earthquake.
ISC XII 01 06 30 07.0–.81 23.99S–.04 66.97W–.04 209–8 73 1-24
SJA XII 01 06 30 06.9–.68 23.97S 66.95W 211–5 3.5L,3.5W **¶621590407**
NEIC XII 01 06 30 08.2–1.2 23.97S–.08 67.2W–.10 230–11 4.2b,3.5W
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 14 31 47.8–1.9 23.13S–.04 66.86W–.05 210–16 48 1-5
SJA XI 26 14 31 47.8–.56 23.13S 66.83W 219–5 3.5L,3.5W **¶625537387**
GUC XI 26 14 31 50.1–.64 23.14S 67.27W 246–9 3.9L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.7km s-min=8.2km az=-1.0. Presumed earthquake.
SJA XI 29 10 34 43.5–.55 22.75S 66.67W 243–4 3.5L,3.4W
¶625825495
SJA Event type se. Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0. Presumed earthquake.
ISC XII 01 08 46 18.6–.65 23.42S–.04 66.93W–.04 218–7 4.2b 100 1-146
IDC XII 01 08 46 15.7–4.7 23.57S 66.28W 162–55 4.2,4.0b **¶621568621**
SJA XII 01 08 46 18.1–.76 23.44S 66.87W 212–6 4.2L,3.9W
NEIC XII 01 08 46 19.1–2.7 23.42S–.07 66.97W–.05 212–8 4.3b,3.9W
VAO XII 01 08 46 21.7–.57 23.18S 66.64W 223 4.0b,3.9W
ISC Event type se.
IDC Error ellipse: s-maj=78.3km s-min=24.1km az=107.0.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=2.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.0km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=5.5km s-min=5.6km az=-1.0. Presumed earthquake.
ISC XII 03 03 27 49.8–2.1 23.37S–.05 66.70W–.06 218–16 40 1-5
SJA XII 03 03 27 50.4–1.3 23.38S 66.70W 213–10 3.2W,2.9L **¶625752589**
GUC XII 03 03 27 51.8–.65 23.24S 66.95W 245–26 3.5L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.2km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=7.3km s-min=24.5km az=-1.0. Presumed earthquake.
ISC XII 02 00 13 03.2–1.3 23.75S–.04 66.82W–.05 200 54 1-5
SJA XII 02 00 13 01.6–.61 23.78S 66.74W 223–5 3.5L,3.5W **¶625752554**

GUC XII 02 00 13 04.0–.54 23.75S 67.10W 245–10 3.7L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.9km s-min=9.0km az=-1.0. Presumed earthquake.
ISC XII 03 07 33 12.0–1.8 23.40S–.04 66.90W–.05 224–14 65 1-5
SJA XII 03 07 33 12.1–.63 23.42S 66.85W 222–6 3.4L,3.3W **¶625752596**
GUC XII 03 07 33 13.4–.59 23.37S 66.89W 215–7 3.6L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=-1.0. Presumed earthquake.
SJA XII 05 11 35 17.1–.69 22.60S 66.24W 276–7 3.5L,3.3W
¶625825578
SJA Event type se. Error ellipse: s-maj=3.2km s-min=3.1km az=-1.0. Presumed earthquake.
ISC XII 03 06 02 11.4–2.0 23.94S–.05 66.86W–.05 215–16 41 1-5
SJA XII 03 06 02 12.6–1.3 23.97S 66.86W 205–10 3.3W,3.0L **¶625752594**
GUC XII 03 06 02 14.5–.65 23.81S 67.15W 237–13 3.7L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.6km s-min=12.3km az=-1.0. Presumed earthquake.
ISC XII 04 14 12 53.3–2.0 23.40S–.05 66.73W–.06 220–15 51 1-5
SJA XII 04 14 12 52.7–.67 23.43S 66.71W 238–5 3.3W,3.1L **¶625752641**
GUC XII 04 14 12 55.4–.49 23.35S 67.01W 244–10 3.7L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=8.9km az=-1.0. Presumed earthquake.
SJA XII 04 21 52 39.6–.61 24.00S 66.85W 217–11 3.5W,3.1L
¶625825570
SJA Event type se. Error ellipse: s-maj=2.8km s-min=4.5km az=-1.0. Presumed earthquake.
ISC XII 08 20 53 03.1–1.0 22.79S–.05 66.34W–.05 222 40 1-13
SJA XII 08 20 53 00.6–.65 22.82S 66.31W 273–6 3.5W,3.4L **¶625825622**
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0. Presumed earthquake.
ISC XII 13 04 24 49.9–.59 22.47S–.04 66.30W–.04 245 4.1b 110 1-145
SJA XII 13 04 24 49.1–.64 22.38S 66.26W 263–6 4.0L,3.7W **¶621627935**
NEIC XII 13 04 24 51.3–2.2 22.37S–.07 66.49W–.10 267–10 3.9b,3.7W
IDC XII 13 04 24 53.4–2.1 22.24S 66.67W 283–23 3.8,3.3b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.4km az=73.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=21.1km az=86.0.
ISC XII 12 16 11 08.6–.67 23.88S–.04 66.89W–.04 198–6 3.8b 106 1-146
IDC XII 12 16 11 07.9–1.9 23.86S 66.72W 186–18 3.7,3.2b **¶621627814**
SJA XII 12 16 11 07.4–.65 23.84S 66.86W 217–5 3.6L,3.6W
NEIC XII 12 16 11 08.5–1.6 23.83S–.07 67.1W–.20 223–15 4.3b,3.6W
GUC XII 12 16 11 09.3–.66 23.83S 67.14W 230–9 3.7L,3.6W
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=17.7km az=101.0.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=10.6km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.6km s-min=7.8km az=-1.0. Presumed earthquake.
ISC XII 15 05 03 35.1–.63 23.98S–.04 66.84W–.05 217–7 4.2b 107 1-163
SJA XII 15 05 03 34.9–.56 24.01S 66.78W 223–5 3.6W,3.5L **¶621630189**
IDC XII 15 05 03 34.9–3.2 24.01S 66.81W 184–37 4.0,3.8b
NEIC XII 15 05 03 36.3–1.4 24.02S–.07 67.0W–.10 225–9 4.4L,4.2b
GUC XII 15 05 03 37.0–.68 23.97S 67.15W 244–10 4.4L,4.2b
VAO XII 15 05 03 37.4–1.0 23.87S 66.71W 233 3.6b,4.2b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=1.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=36.4km s-min=24.2km az=109.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.1km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.7km s-min=8.0km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=7.1km s-min=10.3km az=-1.0. Presumed earthquake.
ISC XII 15 17 57 04.7–2.8 23.11S–.07 66.85W–.07 222–21 39 1-5
SJA XII 15 17 57 05.2–.64 23.10S 66.81W 220–8 3.6L,3.3W **¶625752912**
GUC XII 15 17 57 07.4–.74 23.08S 67.37W 242–12 3.5L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.3km s-min=2.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.4km s-min=12.0km az=-1.0. Presumed earthquake.
ISC XII 19 02 04 29.7–3.6 22.8S–.10 66.55W–.08 216–29 27 1-4
SJA XII 19 02 04 29.8–1.1 22.87S 66.50W 212–12 3.5W,2.6L **¶625752988**
GUC XII 19 02 04 30.0–.55 22.74S 66.95W 276–16 3.1L,2.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=7.9km s-min=4.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.7km s-min=15.1km az=-1.0. Presumed earthquake.
ISC XII 18 10 34 17.3–1.7 23.01S–.07 66.69W–.08 222 35 1-5
SJA XII 18 10 34 14.8–1.0 23.02S 66.38W 198 3.3W,2.9L **¶625752971**
GUC XII 18 10 34 17.3–.58 23.02S 66.93W 261–14 3.6L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.5km s-min=8.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.6km s-min=13.8km az=-1.0. Presumed earthquake.
ISC XII 20 10 49 22.7–2.2 23.90S–.06 66.86W–.06 210–17 35 1-5
SJA XII 20 10 49 23.3–.93 23.95S 66.86W 205–7 3.2W,2.6L **¶625753033**
GUC XII 20 10 49 25.1–.60 23.80S 67.18W 240–10 3.3L,2.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.7km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.1km s-min=9.9km az=-1.0. Presumed earthquake.
ISC XII 25 01 15 58.0–1.8 23.94S–.04 66.84W–.05 235–13 53 1-5
SJA XII 25 01 15 59.6–.66 23.95S 66.84W 220–6 3.2W,3.0L **¶625753111**
GUC XII 25 01 15 59.2–.64 24.25S 66.95W 235–6 3.5L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=6.1km s-min=3.4km az=-1.0. Presumed earthquake.
ISC XII 22 02 09 05.7–.88 23.52S–.04 66.62W–.05 201 4.2b 57 1-56
SJA XII 22 02 09 04.9–.61 23.47S 66.52W 231–7 3.4W,3.0L **¶621637445**
NEIC XII 22 02 09 06.1–1.1 23.56S–.09 66.8W–.20 241–12 4.1b,3.0L
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 25 16 28 40.1–2.7 23.96S–.06 66.86W–.07 215–24 34 1-4
SJA XII 25 16 28 41.1–1.1 23.97S 66.85W 202–10 3.1W,2.7L **¶625753127**
GUC XII 25 16 28 42.9–.46 23.76S 66.80W 195–9 2.9L,2.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.4km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.6km s-min=3.6km az=-1.0. Presumed earthquake.
ISC XII 28 01 04 23.7–1.5 22.38S–.05 66.44W–.07 245 39 1-4
SJA XII 28 01 04 20.1–.73 22.40S 66.31W 288–6 3.5W,3.2L **¶625753186**
GUC XII 28 01 04 23.4–.36 22.36S 66.69W 291–12 3.6L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.6km s-min=11.4km az=-1.0. Presumed earthquake.
ISC XII 27 03 30 10.4–1.3 23.10S–.05 66.82W–.05 208 45 1-5
SJA XII 27 03 30 09.5–.97 23.12S 66.73W 215 3.3W,3.1L **¶625753166**
GUC XII 27 03 30 10.9–.52 23.09S 67.09W 245–11 3.5L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.7km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=10.1km az=-1.0. Presumed earthquake.
ISC XII 28 11 00 01.1–1.1 23.18S–.05 66.80W–.04 213–10 29 1-19
IDC XII 28 11 00 01.2–5.4 23.11S 66.66W 184–118 3.6 **¶621717386**
SJA XII 28 11 00 01.4–1.3 23.11S 66.76W 210–9 3.4W,3.0L
ISC Event type se.
IDC Error ellipse: s-maj=70.4km s-min=30.4km az=135.0.
SJA Event type se. Error ellipse: s-maj=4.4km s-min=3.5km az=-1.0. Presumed earthquake.
ISC XII 31 11 22 40.7–.56 22.72S–.04 66.38W–.04 237–6 4.5b 164 1-145
VAO XII 31 11 22 39.9–.95 22.76S 66.31W 233 4.4b **¶621657687**
NEIC XII 31 11 22 40.7–1.6 22.78S–.06 66.34W–.09 238–6 4.6b
IDC XII 31 11 22 40.0–1.6 22.78S 66.33W 218–16 4.2,3.4b
SJA XII 31 11 22 40.6–1.0 22.76S 66.38W 244–5 4.0L,4.0W
GFZ XII 31 11 22 42.1–.19 23S–2.0 66W–3.0 234–5 5.1b,4.4
ISC Event type se.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 28 23 10 26.0–2.1 23.99S–.05 66.93W–.05 204–17 46 1-4
SJA XII 28 23 10 25.8–.97 24.01S 66.92W 201–6 3.3W,2.9L **¶625753200**
GUC XII 28 23 10 26.0–.56 24.04S 66.93W 215–6 3.6L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.1km s-min=2.3km az=-1.0. Presumed earthquake.
SJA XII 31 16 57 16.8–.63 22.97S 66.78W 207–7 3.5W,3.4L
¶625825868
SJA Event type se. Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0. Presumed earthquake.

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ISC VII 02 20 40 03.1–1.7 24.17S–.04 66.83W–.05 178–15 61 0-5
SJA VII 02 20 40 02.2–.72 24.21S 66.78W 185–5 3.8L,3.7W **¶624631740**
GUC VII 02 20 40 03.3–.66 24.09S 66.90W 210–9 4.1L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.2km s-min=3.2km az=-1.0. Presumed earthquake.
ISC VII 11 02 46 48.3–1.6 24.26S–.04 66.90W–.05 121–14 48 1-6
SJA VII 11 02 46 45.5–.76 24.22S 66.87W 176–7 3.5W,3.1L **¶624632011**
GUC VII 11 02 46 48.4–.55 24.43S 67.10W 188–6 3.1L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.8km s-min=2.4km az=-1.0. Presumed earthquake.
ISC VII 13 23 43 07.6–1.7 24.13S–.04 66.96W–.05 223–13 60 1-5
SJA VII 13 23 43 08.4–.61 24.13S 66.94W 222–6 3.5L,3.5W **¶624632066**
GUC VII 13 23 43 08.7–.71 24.23S 66.97W 227–6 3.7L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.0km s-min=4.0km az=-1.0. Presumed earthquake.
ISC VII 31 14 08 34.6–.61 24.13S–.04 66.96W–.04 192–6 4.2b 142 1-147
SJA VII 31 14 08 33.5–.75 24.16S 66.96W 216–4 4.1L,3.9W **¶620925367**
IDC VII 31 14 08 34.4–1.8 24.05S 66.81W 179–16 4.1,3.6b
NEIC VII 31 14 08 34.6–1.6 24.17S–.07 66.9W–.10 182–8 4.5b,3.6b
GFZ VII 31 14 08 34.7–.17 24S–2.0 67W–2.0 201 4.0b,4.0
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 07 18 12 35.4–.74 24.07S–.04 66.85W–.04 212–7 57 0-146
IDC VIII 07 18 12 33.7–1.6 24.14S 66.74W 183–16 3.7,3.1b **¶621000730**
SJA VIII 07 18 12 35.0–.71 24.03S 66.80W 220–4 3.6L,3.5W
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=13.1km az=95.0.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=1.8km az=-1.0. Presumed earthquake.
ISC VIII 01 07 23 15.3–1.8 24.22S–.04 66.92W–.06 217–16 55 1-5
SJA VIII 01 07 23 16.8–.66 24.24S 66.99W 211–6 3.2W,3.1L **¶624776048**
GUC VIII 01 07 23 20.1–.59 24.03S 67.25W 218–10 3.5L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.2km s-min=9.1km az=-1.0. Presumed earthquake.
ISC VIII 06 09 00 51.4–1.3 24.10S–.05 66.95W–.06 181 39 1-5
SJA VIII 06 09 00 48.8–.56 24.11S 66.88W 213–6 3.3L,3.3W **¶624776131**
GUC VIII 06 09 00 50.4–.59 24.06S 67.17W 242–51 3.5L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=29.2km s-min=45.8km az=-1.0. Presumed earthquake.
ISC VIII 13 03 14 21.0–.57 24.12S–.03 66.98W–.03 191–5 4.5b 272 1-156
SJA VIII 13 03 14 20.0–.66 24.14S 66.97W 208–3 4.7L,4.3W **¶620984716**
NEIC VIII 13 03 14 20.7–2.3 24.12S–.06 66.87W–.07 181–5 4.5b,4.5
IDC VIII 13 03 14 20.4–1.5 24.07S 66.83W 178–14 4.5,4.0b
GUC VIII 13 03 14 21.9–.38 24.03S 67.25W 232–3 4.9L,4.0b
VAO VIII 13 03 14 21.3–.66 24.08S 66.87W 200–7 4.5b,4.0b
GFZ VIII 13 03 14 21.4–.18 24S–2.0 67W–3.0 191–4 4.5b,4.5
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SJA IX 03 16 56 37.4–.63 25.60S 64.78W 20–2 3.7W,3.6L
¶626551345
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0. Presumed earthquake.
ISC VIII 30 16 47 59.9–1.3 24.00S–.04 66.82W–.06 200 52 0-5
SJA VIII 30 16 47 57.9–.75 24.08S 66.75W 221–7 3.3W,3.1L **¶624776507**
GUC VIII 30 16 48 01.2–.41 23.95S 67.09W 235–8 3.6L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=2.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=7.7km az=-1.0. Presumed earthquake.
ISC IX 01 09 40 01.0–1.1 24.14S–.03 65.82W–.04 10 36 1-5
SJA IX 01 09 39 57.8–.69 24.17S 64.87W 11–4 3.5L,3.2W **¶626551329**
GUC IX 01 09 40 26.0–.66 23.88S 67.33W 222–5 3.4L,3.2W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=6.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.2km s-min=5.3km az=-1.0. Presumed earthquake.
ISC IX 09 03 45 37.6–.66 24.14S–.04 66.95W–.04 205–6 4.5b 80 1-68
SJA IX 09 03 45 37.2–.68 24.14S 66.95W 212–5 4.1L,3.9W **¶622451985**
NEIC IX 09 03 45 38.7–1.2 24.17S–.07 67.1W–.10 210–7 4.5b,3.9W
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 16 05 59 04.9–1.7 24.09S–.04 66.92W–.05 216–13 64 1-5
SJA IX 16 05 59 06.1–.71 24.09S 66.93W 207–4 3.7L,3.6W **¶626551451**
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.2km az=-1.0. Presumed earthquake.
ISC IX 21 12 40 07.9–1.6 24.11S–.09 66.89W–.08 181 29 2-4
SJA IX 21 12 40 05.3–.78 23.99S 66.54W 170 3.0W,2.7L **¶624897428**
GUC IX 21 12 40 07.6–.37 23.99S 66.98W 220–16 2.6L,2.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=12.0km s-min=9.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.9km s-min=16.0km az=-1.0. Presumed earthquake.
ISC IX 29 13 35 53.6–2.2 24.02S–.05 66.86W–.06 221–18 48 1-5
SJA IX 29 13 35 54.5–.65 24.02S 66.84W 216–6 3.3L,3.3W **¶624897591**
GUC IX 29 13 35 57.0–.58 23.88S 67.19W 240–10 3.5L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.2km s-min=9.9km az=-1.0. Presumed earthquake.
SJA IX 26 08 29 35.2–.57 24.02S 66.96W 204–4 3.5W,3.4L
¶626551515
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0. Presumed earthquake.
ISC X 07 23 03 04.3–1.4 24.12S–.05 66.93W–.06 200 37 1-5
SJA X 07 23 03 03.6–1.2 24.10S 66.90W 213–12 3.3W,3.0L **¶625233475**
GUC X 07 23 03 06.8–.58 23.98S 67.23W 235–7 3.5L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.6km s-min=5.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.1km s-min=6.9km az=-1.0. Presumed earthquake.

ISC X 06 23 38 08.2–.30 25.30S–.04 64.59W–.05 10 4.9b 362 1-165
IDC X 06 23 38 06.6–.45 25.34S 64.68W 0 4.4b,4.4 **¶621126647**
SJA X 06 23 38 06.3–.50 25.53S 64.79W 26–2 4.8L,4.8W
NEIC X 06 23 38 08.8–1.3 25.25S–.07 64.6W–.10 10–1 5.0b,4.8W
VAO X 06 23 38 08.9–.33 25.31S 64.67W 10 4.7b,4.8W
GFZ X 06 23 38 10.4–.20 25S–2.0 64W–2.0 16–1 5.3b,4.8b
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 08 20 40 33.0–2.1 24.08S–.04 66.88W–.06 237–16 58 1-5
SJA X 08 20 40 33.9–.59 24.16S 66.85W 223–6 3.5W,3.2L **¶625233503**
GUC X 08 20 40 36.0–.66 24.04S 66.92W 209–6 3.4L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.2km s-min=3.3km az=-1.0. Presumed earthquake.
ISC X 27 22 21 51.0–.76 24.02S–.04 66.87W–.04 208–7 102 1-146
IDC X 27 22 21 49.3–1.6 24.03S 66.64W 172–19 4.2,3.7b **¶621242500**
NEIC X 27 22 21 51.2–1.5 24.09S–.07 66.8W–.10 200–10 4.0L,4.0b
SJA X 27 22 21 51.0–.67 24.02S 66.83W 212–4 3.7L,3.6W
GUC X 27 22 21 53.6–.43 24.03S 67.30W 247–8 4.0L,3.6W
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=13.5km az=100.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.8km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.7km s-min=8.5km az=-1.0. Presumed earthquake.
ISC X 14 14 46 20.3–2.0 24.02S–.04 66.87W–.06 200–16 46 1-5
SJA X 14 14 46 20.9–.64 24.05S 66.86W 194–4 3.5W,3.3L **¶625233606**
GUC X 14 14 46 22.4–.40 24.00S 67.22W 236–7 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=1.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.2km s-min=6.9km az=-1.0. Presumed earthquake.
ISC X 15 11 38 30.5–.62 24.04S–.04 66.85W–.03 197–6 4.2b 124 1-146
SJA X 15 11 38 29.3–.68 24.04S 66.81W 226–6 4.2L,4.0W **¶621202578**
NEIC X 15 11 38 30.1–1.0 24.03S–.01 67.0W–.10 237–10 4.4b,4.0W
IDC X 15 11 38 30.1–1.7 23.98S 66.69W 186–16 4.1,3.6b
GFZ X 15 11 38 32.3–.27 24S–3.0 67W–4.0 198 5.2b,4.6
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC X 24 18 09 08.0–2.3 24.21S–.05 66.94W–.05 210–19 48 1-4
SJA X 24 18 09 09.0–.70 24.22S 66.94W 199–5 3.8W,3.4L **¶625230195**
GUC X 24 18 09 11.3–.58 24.09S 67.41W 251–5 4.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.5km s-min=6.0km az=-1.0. Presumed earthquake.
ISC X 14 21 51 51.7–1.7 24.06S–.04 66.99W–.05 227–14 66 1-5
SJA X 14 21 51 53.8–.64 24.02S 67.00W 211–5 3.8L,3.6W **¶625233610**
GUC X 14 21 51 56.3–.68 23.97S 67.31W 226–8 3.9L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.0km s-min=7.3km az=-1.0. Presumed earthquake.
SJA XI 12 07 22 05.1–.61 24.03S 66.82W 226–5 3.5L,3.4W
¶625825271
SJA Event type se. Error ellipse: s-maj=2.1km s-min=1.9km az=-1.0. Presumed earthquake.
ISC XI 03 06 31 45.3–1.9 24.18S–.04 66.96W–.05 207–14 54 1-5
SJA XI 03 06 31 45.5–.62 24.19S 66.94W 208–5 3.4W,3.2L **¶625536870**
GUC XI 03 06 31 47.8–.61 24.18S 66.98W 192–6 3.6L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.0km s-min=3.9km az=-1.0. Presumed earthquake.
ISC XI 16 23 33 10.5–1.9 24.01S–.04 66.82W–.05 216–15 57 0-5
SJA XI 16 23 33 09.6–.65 24.05S 66.77W 226–4 3.4L,3.4W **¶625537173**
GUC XI 16 23 33 11.8–.59 24.02S 67.17W 253–10 3.8L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=1.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.2km s-min=8.5km az=-1.0. Presumed earthquake.
ISC XI 14 08 33 56.6–.87 24.04S–.04 66.88W–.04 206–8 55 1-146
SJA XI 14 08 33 55.7–.59 24.15S 66.84W 216–5 3.6L,3.5W **¶621468658**
IDC XI 14 08 33 56.6–3.3 23.98S 66.87W 186–39 3.8,3.5b
GUC XI 14 08 33 58.9–.47 24.08S 67.23W 232–8 3.9L,3.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=1.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=41.2km s-min=24.4km az=107.0.
GUC Event type se. Error ellipse: s-maj=4.3km s-min=7.1km az=-1.0. Presumed earthquake.
ISC XI 15 12 31 45.4–.64 24.07S–.04 66.85W–.04 212–6 4.1b 120 0-146
IDC XI 15 12 31 45.4–1.8 24.02S 66.70W 191–17 4.0,3.7b **¶621406825**
NEIC XI 15 12 31 45.9–.99 24.06S–.07 67.0W–.10 236–7 4.4,4.3b
SJA XI 15 12 31 45.1–.62 24.06S 66.80W 217–5 4.0L,3.8W
GUC XI 15 12 31 47.5–.52 23.98S 67.10W 235–8 4.2L,3.8W
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=13.6km az=94.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=9.5km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.8km s-min=6.0km az=-1.0. Presumed earthquake.
ISC XI 16 16 43 52.2–1.6 24.04S–.04 66.94W–.09 181 45 1-5
SJA XI 16 16 43 49.7–.42 24.00S 66.84W 211–4 3.4W,3.3L **¶625537165**
GUC XI 16 16 43 50.8–.58 23.96S 67.12W 242–10 3.6L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.0km s-min=10.5km az=-1.0. Presumed earthquake.
ISC XI 19 13 38 42.7–.50 24.05S–.04 66.80W–.03 205–5 4.2b 222 0-173
IDC XI 19 13 38 41.5–1.7 23.97S 66.64W 182–16 4.4,3.8b **¶621423219**
NEIC XI 19 13 38 42.3–1.2 24.06S–.06 66.76W–.04 206–8 4.8L,4.5b
SJA XI 19 13 38 42.2–.68 24.00S 66.77W 214–5 4.6L,4.2W
GFZ XI 19 13 38 43.5–.21 24S–2.0 67W–4.0 204–4 5.3b,4.7
VAO XI 19 13 38 43.1–.55 24.01S 66.64W 191 4.3b,4.7
GUC XI 19 13 38 44.7–.65 24.00S 67.14W 232–6 4.9L,4.7
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=11.1km az=87.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.3km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=3.8km s-min=5.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.3km s-min=5.9km az=-1.0. Presumed earthquake.
ISC XI 17 07 16 25.2–1.5 24.09S–.06 66.98W–.06 181 32 1-5
SJA XI 17 07 16 22.5–.61 24.13S 66.91W 216–6 3.0L,2.8W **¶625537189**
GUC XI 17 07 16 25.7–.52 24.01S 67.23W 228–11 2.5L,2.8W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.6km s-min=12.9km az=-1.0. Presumed earthquake.
ISC XII 01 07 03 03.2–.64 24.13S–.04 66.93W–.04 196–6 4.0b 90 1-147
NEIC XII 01 07 03 03.5–2.7 24.19S–.06 66.91W–.09 200–7 4.2b **¶621606948**
IDC XII 01 07 03 03.3–1.9 24.16S 66.68W 179–19 3.8,3.4b
SJA XII 01 07 03 03.2–1.2 24.15S 66.92W 198–9 3.6W,3.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.2km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.9km s-min=14.9km az=90.0.
SJA Event type se. Error ellipse: s-maj=4.0km s-min=4.0km az=-1.0. Presumed earthquake.
ISC XII 22 22 27 56.1–.71 24.04S–.04 66.98W–.04 210–7 3.7b 99 1-163
SJA XII 22 22 27 55.8–.66 24.03S 66.92W 206–5 3.8L,3.7W **¶621648303**
NEIC XII 22 22 27 56.5–1.3 24.04S–.08 67.2W–.10 228–12 4.2L,4.1b
GUC XII 22 22 27 57.0–.71 24.05S 67.23W 235–7 3.9L,4.1b
IDC XII 22 22 27 58.5–8.8 23.83S 66.93W 202–67 3.5,3.1b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=10.7km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.9km s-min=7.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=94.8km s-min=46.5km az=36.0.
ISC XII 05 05 34 01.8–2.0 24.05S–.04 66.76W–.05 235–16 52 0-5
SJA XII 05 05 34 03.7–.63 24.08S 66.81W 220–4 3.3L,3.3W **¶625752657**
GUC XII 05 05 34 06.2–.60 23.96S 67.21W 249–9 3.6L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=1.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=9.4km az=-1.0. Presumed earthquake.
ISC XII 08 16 28 23.9–1.3 24.02S–.04 66.93W–.06 181 49 1-5
SJA XII 08 16 28 21.7–.55 24.01S 66.84W 211–5 3.3L,3.3W **¶625752719**
GUC XII 08 16 28 24.3–.68 23.97S 67.22W 236–14 3.5L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=6.7km s-min=15.3km az=-1.0. Presumed earthquake.
ISC XII 18 18 47 11.9–.59 24.02S–.04 66.90W–.04 198–5 4.3b 179 1-163
NEIC XII 18 18 47 11.6–2.3 24.02S–.06 66.8W–.10 188–4 4.4b,3.9L **¶621633598**
IDC XII 18 18 47 12.5–1.8 23.95S 66.77W 194–17 4.0,3.7b
SJA XII 18 18 47 12.5–.98 24.07S 66.89W 206–6 4.0W,3.6L
GUC XII 18 18 47 14.1–.47 23.99S 67.17W 233–7 3.9L,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.2km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.7km s-min=13.2km az=91.0.
SJA Event type se. Error ellipse: s-maj=5.4km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=5.5km az=-1.0. Presumed earthquake.
ISC XII 01 02 21 42.3–.56 22.84S–.06 63.80W–.08 535 3.2b 64 5-144
NEIC XII 01 02 21 42.7–.58 22.8S–.10 63.80W–.08 537–13 4.1b **¶621564939**
IDC XII 01 02 21 42.0–1.2 22.88S 63.66W 525–16 3.8,2.9b
VAO XII 01 02 21 42.8–.75 22.83S 63.73W 548–10 4.0b,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=9.1km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=12.1km az=112.0.
VAO Event type se. Error ellipse: s-maj=7.8km s-min=8.8km az=-1.0. Presumed earthquake.
ISC XII 22 09 38 10.5–2.1 24.11S–.05 66.86W–.06 217–17 38 0-5
SJA XII 22 09 38 11.6–1.0 24.13S 66.87W 205–9 3.4W,2.8L **¶625753073**
GUC XII 22 09 38 13.5–.58 24.03S 67.20W 240–9 3.6L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.1km s-min=3.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=6.0km s-min=7.6km az=-1.0. Presumed earthquake.
ISC XII 12 12 20 45.8–2.0 24.03S–.05 66.91W–.06 204–16 38 1-5
SJA XII 12 12 20 46.1–.96 24.05S 66.88W 197–8 3.5W,3.3L **¶625752846**
GUC XII 12 12 20 48.3–.65 23.92S 67.28W 236–14 3.4L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=6.6km s-min=15.0km az=-1.0. Presumed earthquake.
ISC XII 20 19 12 34.3–.55 24.25S–.04 67.00W–.03 188–5 4.4b 269 1-166
VAO XII 20 19 12 32.8–.67 24.40S 67.34W 215–5 4.4b **¶621634985**
IDC XII 20 19 12 34.1–1.2 24.20S 66.83W 170–10 4.3,3.9b
SJA XII 20 19 12 34.1–.63 24.20S 67.00W 213–5 4.6L,4.3W
GFZ XII 20 19 12 35.9–.17 24S–2.0 67W–3.0 186–5 5.0b,4.5b
NEIC XII 20 19 12 35.1–1.7 24.21S–.06 66.90W–.04 181–5 4.4b,4.4
GUC XII 20 19 12 36.7–.63 24.12S 67.28W 223–6 4.7L,4.4
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=3.5km s-min=5.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.9km s-min=10.0km az=88.0.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=1.9km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=2.5km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=4.4km s-min=6.0km az=-1.0. Presumed earthquake.
ISC XII 26 18 02 04.7–2.4 24.04S–.07 66.90W–.07 206–19 28 1-4
SJA XII 26 18 02 05.1–.70 24.07S 66.90W 199–6 3.0W,2.4L **¶625753155**
GUC XII 26 18 02 06.0–.42 23.84S 66.86W 204–5 2.5L,2.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.9km s-min=4.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.0km s-min=2.6km az=-1.0. Presumed earthquake.

(130) Catamarca Province.

SJA VII 12 12 47 58.8–.66 27.96S 66.75W 182–3 3.6W,3.4L
¶626243483
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0. Presumed earthquake.
ISC VII 24 23 23 16.9–.73 27.87S–.04 66.81W–.04 182–7 4.2b 86 1-62
SJA VII 24 23 23 17.3–.77 27.90S 66.78W 175 4.0L,3.7W **¶620845808**
NEIC VII 24 23 23 17.6–1.5 27.92S–.07 66.9W–.10 186–13 4.3b,3.7W
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 09 20 37 00.2–1.4 27.32S–.04 67.31W–.04 5–10 30 1-149
SJA X 09 20 36 59.5–.66 27.26S 67.33W 9 4.0L,3.6W **¶621235348**
IDC X 09 20 37 00.1–1.6 27.57S 66.63W 0 4.2s,3.7b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=170.5km s-min=17.5km az=110.0.
SJA IX 24 20 46 02.1–.36 27.75S 67.29W 164–7 3.5W,3.0L
¶626551508
SJA Event type se. Error ellipse: s-maj=10.0km s-min=23.4km az=-1.0. Presumed earthquake.
ISC VIII 10 19 01 11.0–1.0 25.95S–.07 67.92W–.07 35 19 2-149
IDC VIII 10 19 01 05.4–2.0 25.70S 67.87W 0 3.9b,3.5 **¶621008135**
SJA VIII 10 19 01 07.7–1.0 25.91S 67.90W 38–14 3.4W,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=49.5km s-min=22.4km az=28.0.
SJA Event type se. Error ellipse: s-maj=7.8km s-min=6.3km az=-1.0. Presumed earthquake.
SJA X 26 21 52 34.3–.70 27.90S 66.58W 188–3 3.5W,3.4L
¶625829907
SJA Event type se. Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0. Presumed earthquake.
ISC XII 02 02 01 05.8–.72 27.91S–.05 66.50W–.05 186–6 4.4b 79 1-78
NEIC XII 02 02 01 05.5–.83 27.92S–.08 66.4W–.10 173–12 4.4b **¶622511938**
SJA XII 02 02 01 06.4–1.2 27.96S 66.50W 183–4 3.4W,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=11.4km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=3.9km az=-1.0. Presumed earthquake.
ISC XII 07 09 41 15.1–.41 27.91S–.03 66.60W–.04 165–3 5.0b 429 1-173
SJA XII 07 09 41 13.9–.68 27.91S 66.59W 194–3 5.0L,4.7W **¶621616416**
NEIC XII 07 09 41 14.3–1.1 27.88S–.06 66.55W–.08 151–5 5.0b,4.7W
VAO XII 07 09 41 14.0–.81 27.86S 66.69W 159 5.2b,4.7W
GFZ XII 07 09 41 15.4–.29 28S–2.0 67W–3.0 166–3 5.5b,5.2
IDC XII 07 09 41 15.7–.57 27.93S 66.62W 168–5 4.9,4.5b
ISC Event type se.

SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.8km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=5.9km s-min=9.0km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=6.1km s-min=5.0km az=82.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=13.4km s-min=8.3km az=93.0.

(131) Tucuman Province.

SJA	**IX**	**11 19 25 15.9–.63**	**26.93S**	**65.72W**	**17–5**	**4.1L,4.0W**		**¶626551420**

SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**20 16 34 26.7–.34**	**26.08S–.04**	**64.72W–.05**	**10**	**4.9b,3.7s**	**228**	**2-165**
IDC	XII	20 16 34 23.3–.62	26.16S	64.73W	0	4.3L,4.1b		¶621634793
SJA	XII	20 16 34 23.5–.90	26.04S	64.52W	10	4.7L,4.2W		
NEIC	XII	20 16 34 27.0–1.2	26.14S–.05	64.69W–.09	10–1	5.0b,4.2W		
GFZ	XII	20 16 34 27.4–.19	26S–2.0	65W–3.0	10	5.2b,4.9b		
VAO	XII	20 16 34 28.8–.43	26.19S	64.63W	10	4.8b,4.9b		

ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=11.6km az=105.0.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=5.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.0km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=5.6km s-min=4.2km az=88.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
VAO Event type se. Error ellipse: s-maj=3.1km s-min=4.3km az=-1.0. Presumed earthquake.

(132) Santiago del Estero Province.

ISC	**X**	**18 09 12 46.2–.79**	**28.51S–.08**	**62.93W–.09**	**602**		**54**	**3-31**
SJA	X	18 09 12 45.3–.60	28.49S	62.53W	566–7	3.5W,3.4L		¶621211179
NEIC	X	18 09 12 47.7–1.1	28.5S–.10	62.9W–.10	611–9	4.1b,3.4L		

ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**21 22 34 14.8–.56**	**28.34S–.08**	**63.18W–.08**	**602**	**3.9b**	**96**	**2-129**
SJA	XII	21 22 34 10.6–.62	28.56S	63.19W	613–7	4.0L,4.0W		¶621644234
GFZ	XII	21 22 34 13.9–.39	28S–3.0	63W–6.0	630–12	5.3,5.0		
IDC	XII	21 22 34 15.1–1.3	28.33S	63.19W	591–22	4.2,3.2b		
NEIC	XII	21 22 34 15.5–1.3	28.4S–.10	63.2W–.20	593–9	4.1b,3.2b		

ISC Event type se.
SJA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**17 21 38 53.6–.23**	**26.27S–.03**	**63.31W–.03**	**578–2**	**5.3b**	**1474**	**2-175**
SJA	XI	17 21 38 46.2–.72	26.50S	63.27W	614–9	5.4L,5.2W		¶621414522
BJI	XI	17 21 38 51.1	25.66S	63.86W	550	5.3b,5.2W		
PTWC	XI	17 21 38 52	26.40S	63.30W	577	5.4,5.2W		
MOS	XI	17 21 38 52.8–.87	26.32S	63.36W	572	5.2b,5.2W		
NEIC	XI	17 21 38 53.7	26.30S	63.34W	568	5.2b,5.2W		
GFZ	XI	17 21 38 53.5	26.35S	63.33W	610	5.5W,5.2W		
NEIC	XI	17 21 38 53.7	26.30S	63.34W	568	5.5W,5.2W		
IDC	XI	17 21 38 53.9–.32	26.28S	63.29W	576–3	5.6,4.7b		
VAO	XI	17 21 38 53.2–.23	26.22S	63.28W	582–2	5.5b,4.7b		
GFZ	XI	17 21 38 53.4–.17	26S–2.0	63W–3.0	574–3	5.9b,5.7b		
NEIC	XI	17 21 38 54.0–1.6	26.31S–.08	63.33W–.09	576–3	5.7,5.3b		
NEIC	XI	17 21 38 54.3	26.40S	63.34W	580	5.5,5.3b		
GCMT	XI	17 21 38 55.8–.20	26.30S–.02	63.12W–.02	577–1	5.6W,5.3b		

ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.05 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$1.10 $M_{r\theta}$-0.69 $M_{\theta\phi}$0.06 $M_{\phi r}$1.89 NP1: ϕ_s162.96073°,δ76.66069°,λ-99.73974°. NP2:ϕ_s19.60892°,δ16.46439°,λ-54.49345°. Principal axes: T 2.2357,Plg30.9955°,Azm260.9825°; N 0.0831,Plg9.4745°,Azm165.2286° ; P -2.3188,Plg57.2728°,Azm60.1775° $M_0$2.27835×10^{17}
NEIC Event type se.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.49 $M_{\theta\theta}$0.43 $M_{\phi\phi}$2.07 $M_{r\theta}$-0.97 $M_{\theta\phi}$-0.27 $M_{\phi r}$3.22 NP1:ϕ_s164.75000°,δ72.84000°,λ-92.88000°. NP2:ϕ_s354.42000° ,δ17.39000°,λ-80.76000°. Principal axes: T 3.8661,Plg28.0000°,Azm257.0000° ; N 0.4061,Plg3.0000°,Azm166.0000°; P -4.2722,Plg62.0000°,Azm70.0000° $M_0$4.08000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.12 $M_{\theta\theta}$0.15 $M_{\phi\phi}$0.98 $M_{r\theta}$-0.64 $M_{\theta\phi}$0.13 $M_{\phi r}$2.27 NP1:ϕ_s18.54000°,δ13.50000° ,λ-59.16000°. NP2:ϕ_s166.98000°,δ78.44000°,λ-97.02000°. Principal axes: T 2.4538,Plg33.0000°,Azm263.0000°; N 0.2505,Plg7.0000°,Azm168.0000° ; P -2.7044,Plg56.0000°,Azm68.0000° $M_0$2.59000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202111172138A. Moment Tensor Solution. s120,c192;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.28±.04 $M_{\theta\theta}$0.07±.06; $M_{\phi\phi}$1.21±.06; $M_{r\theta}$-0.41±.06; $M_{\theta\phi}$0.32±.05; $M_{\phi r}$2.55±.06; Best double couple: NP1:ϕ_s30.00000°,δ15.00000°,λ-55.00000°. NP2:ϕ_s174.00000° ,δ77.00000°,λ-99.00000°. Principal axes: T 2.8040,Plg32.0000°,Azm271.0000° ; N 0.1590,Plg9.0000°,Azm176.0000°; P -2.9600,Plg57.0000°,Azm72.0000° $M_0$2.88200×10^{17}

ISC	**XI**	**27 19 40 22.6–2.9**	**28.06S–.03**	**64.55W–.04**	**16–18**	**4.3b**	**132**	**1-167**
IDC	XI	27 19 40 20.1–.58	28.05S	64.52W	0	4.0b,3.9L		¶621480551
VAO	XI	27 19 40 21.6–.69	28.09S	64.49W	9–4	4.3b,3.9L		
SJA	XI	27 19 40 21.0–.79	28.07S	64.61W	12–5	4.3L,4.0W		
NEIC	XI	27 19 40 22.6–1.6	28.02S–.05	64.50W–.08	10–1	4.5b,4.0W		

ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(134) Off coast of central Chile.

ISC	**VII**	**02 07 01 01.9–1.5**	**30.15S–.03**	**72.22W–.05**	**13–9**	**4.0b**	**159**	**1-169**
SJA	VII	02 07 01 00.2–.82	30.09S	72.41W	30	4.2W,4.1L		¶620705778
IDC	VII	02 07 01 01.1–1.1	30.07S	71.91W	0	4.3L,3.7b		
GUC	VII	02 07 01 05.1–.70	30.21S	71.91W	42–2	4.3L,3.7b		
GFZ	VII	02 07 01 06.3–.54	30S–3.0	72W–4.0	40–9	4.1b,4.1		
NEIC	VII	02 07 01 06.1–1.8	30.14S–.03	71.97W–.08	35–7	4.3L,4.2b		

ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**04 16 17 11.7–2.3**	**34.50S–.04**	**73.02W–.09**	**10–11**		**44**	**1-5**
SJA	VII	04 16 17 09.2–.71	34.52S	73.07W	20–4	3.5W,3.1L		¶620967555
GUC	VII	04 16 17 15.5–.77	34.47S	72.77W	48–11	2.8L,3.1L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=4.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=8.5km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 23 07 21.4–.94**	**39.30S–.05**	**75.10W–.08**	**35**	**3.8b**	**37**	**1-87**
IDC	VII	05 23 07 17.1–1.3	39.18S	75.30W	0	3.8b,3.7L		¶620927995
SJA	VII	05 23 07 17.4–.79	39.30S	75.23W	40	3.7W,3.5L		
GUC	VII	05 23 07 21.1–.77	39.43S	74.94W	28–4	3.5L,3.5L		

ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=17.6km az=41.0.
SJA Event type se. Error ellipse: s-maj=4.1km s-min=6.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.4km s-min=5.4km az=-1.0. Presumed earthquake.

ISC	**VII**	**09 23 10 49.3–1.2**	**37.35S–.03**	**74.19W–.04**	**3–7**	**4.6b**	**171**	**1-165**
SJA	VII	09 23 10 46.4–.70	37.25S	74.67W	28–10	4.7W,4.4L		¶622450541
NEIC	VII	09 23 10 48.7	37.30S	74.40W	10	4.7W,4.4L		
NEIC	VII	09 23 10 49.7–1.3	37.31S–.05	74.28W–.05	10–1	4.6,4.6b		
GUC	VII	09 23 10 49.4–.44	37.43S	74.26W	20–3	4.5L,4.6b		
IDC	VII	09 23 10 50.9–.94	37.36S	73.88W	0	4.1b,4.1		
VAO	VII	09 23 10 51.5–1.5	37.05S	73.97W	10	4.6b,4.1		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=9.1km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.2km az=352.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.49 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-4.18 $M_{r\theta}$-0.78 $M_{\theta\phi}$-1.65 $M_{\phi r}$-0.45 NP1:ϕ_s12.60000°,δ41.26000°,λ78.48000°. NP2:ϕ_s207.76000°,δ49.74000° ,λ99.94000°. Principal axes: T 4.6150,Plg81.0000°,Azm172.0000°; N 0.2240,Plg8.0000° ,Azm21.0000°; P -4.8390,Plg4.0000°,Azm291.0000° $M_0$4.73000×10^{15}
GUC Event type se. Error ellipse: s-maj=2.1km s-min=5.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=31.7km s-min=16.1km az=111.0.
VAO Event type se. Error ellipse: s-maj=17.8km s-min=11.8km az=-1.0. Presumed earthquake.

GUC	**VII**	**09 23 27 11.5–.48**	**37.17S**	**74.56W**	**24–5**	**3.5L**		**¶624631986**

GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**09 23 52 55.0–2.0**	**37.31S–.04**	**74.2W–.10**	**15–12**		**25**	**1-5**
SJA	VII	09 23 52 50.4–.68	37.63S	71.59W	385–5	3.7W,3.5L		¶624631987
GUC	VII	09 23 53 06.9–.77	37.49S	73.35W	18–6	2.6L,3.5L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=10.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=5.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**10 02 06 45.6–2.1**	**37.37S–.04**	**74.5W–.10**	**32–14**		**41**	**1-5**
SJA	VII	10 02 06 39.2–.43	37.37S	74.82W	260–17	4.0W,3.7L		¶624631989
GUC	VII	10 02 06 44.7–.54	37.38S	74.40W	10–11	3.2L,3.7L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.0km s-min=10.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.0km s-min=9.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**11 10 06 27.1–1.4**	**33.91S–.03**	**72.05W–.05**	**16–10**		**68**	**0-5**
SJA	VII	11 10 06 26.6–.78	33.90S	72.12W	27–3	3.5W,3.2L		¶620967633
GUC	VII	11 10 06 28.9–.70	33.93S	72.07W	30–3	3.2L,3.2L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.6km s-min=10.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0. Presumed earthquake.

GUC	**VII**	**15 23 10 49.5–.80**	**31.46S**	**72.14W**	**41–2**	**3.5L**		**¶620967672**

GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**17 02 18 29.3–1.4**	**31.50S–.02**	**72.05W–.05**	**2–10**		**82**	**1-6**
SJA	VII	17 02 18 29.2–.64	31.54S	72.19W	9–3	3.6L,3.3W		¶620967700
GUC	VII	17 02 18 35.0–.75	31.56S	71.80W	34–3	3.5L,3.3W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=5.2km az=-1.0. Presumed earthquake.

GUC	**VII**	**20 06 20 55.9–.65**	**37.98S**	**75.60W**	**18–15**	**3.7L**		**¶620967761**

GUC Event type se. Error ellipse: s-maj=4.8km s-min=30.7km az=-1.0. Presumed earthquake.

GUC	**VII**	**20 10 06 53.7–.62**	**34.29S**	**73.85W**	**20–6**	**3.7L**		**¶620967759**

GUC Event type se. Error ellipse: s-maj=3.5km s-min=9.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**23 10 18 15.8–1.9**	**38.33S–.04**	**74.5W–.10**	**31–16**		**24**	**1-5**
SJA	VII	23 10 18 08.5–.46	38.20S	75.35W	23–19	3.5W,2.9L		¶624632228
GUC	VII	23 10 18 20.6–.80	38.24S	74.14W	42–4	2.9L,2.9L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=12.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=5.7km az=-1.0. Presumed earthquake.

ISC	**VII**	**24 13 55 59.0–3.2**	**34.36S–.04**	**73.49W–.05**	**11–20**	**4.9b**	**246**	**1-172**
SJA	VII	24 13 55 57.3–1.1	34.34S	73.43W	10	4.0W,3.9L		¶620845676
IDC	VII	24 13 55 57.8–.45	34.36S	73.59W	0	4.7L,4.5b		
NEIC	VII	24 13 55 58.5–2.5	34.36S–.04	73.57W–.06	10–1	4.9b,4.6		
GUC	VII	24 13 55 59.7–.68	34.33S	73.45W	16–4	4.2L,4.6		
GFZ	VII	24 13 55 59.6–.34	34S–2.0	73W–4.0	10	4.7b,4.7		
VAO	VII	24 13 56 06.0–.93	34.50S	73.02W	65–9	4.7b,4.7		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.7km s-min=6.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=15.2km s-min=12.6km az=91.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.5km az=267.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=4.6km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=4.8km s-min=6.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**24 01 35 22.1–2.0**	**34.35S–.04**	**73.51W–.08**	**6–12**		**55**	**1-5**
SJA	VII	24 01 35 24.0–.75	34.32S	73.62W	38–12	3.7W,3.3L		¶620967961
GUC	VII	24 01 35 25.6–.69	34.35S	73.44W	18–3	3.4L,3.3L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=10.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.8km s-min=3.5km az=-1.0. Presumed earthquake.

ISC	**VII**	**29 22 56 00.3–1.8**	**30.23S–.03**	**72.31W–.06**	**4–10**		**91**	**1-5**
SJA	VII	29 22 55 59.1–.54	30.22S	72.39W	10–3	3.5L,3.3W		¶620968008
GUC	VII	29 22 56 02.6–.78	30.26S	72.18W	43–2	3.6L,3.3W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.8km az=-1.0. Presumed earthquake.

ISC	**VII**	**26 01 27 06.2–1.6**	**30.36S–.02**	**72.04W–.05**	**1–10**		**105**	**0-60**
SJA	VII	26 01 27 04.5–.75	30.27S	72.44W	20–7	4.1W,4.0L		¶620846032
NEIC	VII	26 01 27 07.8–1.8	30.34S–.04	72.00W–.05	10–1	4.3b,4.2L		
GUC	VII	26 01 27 09.2–.72	30.45S	72.00W	22–4	4.2L,4.2L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=6.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.1km az=290.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0. Presumed earthquake.

ISC	**VIII**	**03 04 16 45.3–1.6**	**29.46S–.03**	**72.49W–.06**	**4–10**	**4.0b**	**104**	**1-154**
SJA	VIII	03 04 16 43.5–1.4	29.37S	72.70W	10	3.8W,3.6L		¶620930455
NEIC	VIII	03 04 16 48.7–.96	29.51S–.02	72.32W–.06	10–1	4.1b,3.5L		
IDC	VIII	03 04 16 49.4–.97	29.52S	72.46W	0	3.7L,3.6		
GUC	VIII	03 04 16 52.9–.90	29.60S	72.24W	15–17	3.6L,3.6		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.9km s-min=8.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=3.3km az=273.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=13.0km az=62.0.
GUC Event type se. Error ellipse: s-maj=5.9km s-min=12.4km az=-1.0. Presumed earthquake.

ISC	**VIII**	**03 10 36 00.5–1.6**	**32.76S–.03**	**73.19W–.07**	**35**		**79**	**1-5**
SJA	VIII	03 10 35 58.8–.81	32.70S	73.04W	30	3.5W,3.3L		¶621072457
GUC	VIII	03 10 36 03.3–.70	33.04S	72.90W	18–3	3.5L,3.3L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=3.4km az=-1.0. Presumed earthquake.

ISC	**VIII**	**03 05 17 31.3–2.0**	**38.70S–.04**	**74.95W–.06**	**8–12**	**4.2b**	**112**	**1-79**
SJA	VIII	03 05 17 31.9–1.5	38.85S	74.81W	10	4.0W,3.8L		¶620966408
GUC	VIII	03 05 17 31.1–.54	38.72S	75.08W	10	4.0L,3.8L		
NEIC	VIII	03 05 17 31.9–1.2	38.66S–.02	74.92W–.10	10–1	4.2b,4.0L		
IDC	VIII	03 05 17 31.4–.98	38.72S	75.19W	0	3.9L,3.9b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.7km s-min=14.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.4km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=12.7km s-min=3.5km az=264.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=16.6km az=77.0.
ISC VIII 05 22 42 25.2–3.2 37.27S–.06 74.4W–.10 23–25 23 1-5
SJA VIII 05 22 42 18.9–.60 37.03S 74.72W 19–9 3.7W,3.3L **¶624776123**
GUC VIII 05 22 42 25.3–.64 37.29S 74.38W 20–5 3.3L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.5km s-min=9.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=7.4km az=-1.0. Presumed earthquake.
ISC VIII 04 22 28 57.7–.51 37.27S–.03 74.19W–.05 10 4.5b 155 1-174
SJA VIII 04 22 28 47.1–.57 37.28S 75.01W 14–4 4.4W,4.3L **¶620969509**
NEIC VIII 04 22 28 57.5–1.3 37.23S–.05 74.19W–.04 8–5 4.4b,4.1L
GUC VIII 04 22 28 57.7–.67 37.27S 74.26W 18–3 4.2L,4.1L
IDC VIII 04 22 28 58.3–.84 37.20S 73.94W 0 4.0L,3.9b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=8.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=1.9km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=5.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.1km s-min=11.8km az=76.0.
ISC VIII 05 12 50 51.9–2.8 39.55S–.07 75.0W–.10 9–12 29 1-3
SJA VIII 05 12 50 52.6–.34 39.51S 74.97W 17–2 3.4W,3.3L **¶624776113**
GUC VIII 05 12 50 53.7–.79 39.51S 75.08W 30–4 3.6L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=4.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.0km s-min=4.9km az=-1.0. Presumed earthquake.
ISC VIII 17 11 01 16.0–2.2 38.29S–.04 75.3W–.10 35 37 2-6
GUC VIII 17 11 01 13.3–.50 38.32S 75.32W 15–6 3.7L **¶624776280**
SJA VIII 17 11 01 14.0–.76 38.24S 75.23W 33–13 3.6W,3.2L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=5.1km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=12.3km az=-1.0. Presumed earthquake.
ISC VIII 12 21 51 00.5–1.8 37.19S–.04 74.4W–.10 35 41 1-5
GUC VIII 12 21 50 53.7–.57 37.02S 74.84W 30–5 3.6L **¶624776200**
SJA VIII 12 21 50 58.2–.56 37.26S 74.22W 32–3 3.6W,3.4L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=11.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=5.8km az=-1.0. Presumed earthquake.
ISC VIII 07 02 20 58.1–2.2 38.11S–.04 75.4W–.10 35 35 2-5
SJA VIII 07 02 20 55.8–.66 38.07S 75.43W 41–11 3.5W,3.4L **¶624776147**
GUC VIII 07 02 21 01.0–.55 38.33S 75.03W 19–3 3.7L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=6.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=4.4km az=-1.0. Presumed earthquake.
ISC VIII 16 10 14 46.5–1.1 36.01S–.06 74.74W–.09 10 68 1-23
SJA VIII 16 10 14 13.1–25 36.63S 78.09W 10–543 5.0L,4.3W **¶626339035**
NEIC VIII 16 10 14 47.6–1.0 35.96S–.06 74.68W–.05 10–1 4.5b,4.5L
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 06 23 08 52.5–3.4 38.58S–.03 74.99W–.06 16–22 3.6b 76 1-73
IDC VIII 06 23 08 52.0–1.4 38.83S 75.71W 0 4.1L,3.6b **¶620998926**
NEIC VIII 06 23 08 52.1–1.9 38.52S–.04 75.09W–.10 22–6 4.0b,3.7L
SJA VIII 06 23 08 52.5–.66 38.58S 75.01W 41–999 4.1W,3.9L
GUC VIII 06 23 08 53.1–.60 38.58S 75.00W 27–4 3.7L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=19.2km az=46.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.1km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=10.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VIII 13 00 53 32.9–.90 39.32S–.04 74.97W–.06 10 4.2b 38 1-153
SJA VIII 13 00 53 31.2–.68 39.40S 75.15W 14–5 3.4L,3.4W **¶621011956**
IDC VIII 13 00 53 33.0–1.4 38.87S 74.93W 0 4.1L,4.1b
GUC VIII 13 00 53 35.4–.58 39.47S 75.03W 26–7 3.8L,4.1b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.6km s-min=8.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=49.2km s-min=17.3km az=39.0.
GUC Event type se. Error ellipse: s-maj=3.8km s-min=7.1km az=-1.0. Presumed earthquake.
ISC VIII 20 03 58 51.0–2.5 37.28S–.05 74.8W–.10 29–16 17 1-5
SJA VIII 20 03 58 44.1–.52 37.26S 74.93W 14–2 3.6L,3.6W **¶624776321**
GUC VIII 20 03 58 59.3–.64 37.70S 73.32W 40–22 3.2L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.7km s-min=18.3km az=-1.0. Presumed earthquake.
ISC VIII 24 16 20 43.3–.88 30.91S–.03 72.72W–.04 8–5 4.5b 146 1-152
NEIC VIII 24 16 20 42.7–1.4 30.89S–.04 72.80W–.06 10–1 4.4b **¶621002187**
SJA VIII 24 16 20 42.1–.78 30.90S 72.90W 35 4.0L,4.0W
GFZ VIII 24 16 20 44.0–.51 31S–3.0 73W–7.0 10 4.5b,4.5
IDC VIII 24 16 20 44.0–.67 30.91S 72.89W 0 4.2L,4.2
GUC VIII 24 16 20 46.2–.85 30.96S 72.59W 42–11 4.0L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.1km az=244.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.7km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=14.7km s-min=4.8km az=101.9.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=17.0km s-min=14.4km az=59.0.
GUC Event type se. Error ellipse: s-maj=3.9km s-min=9.2km az=-1.0. Presumed earthquake.
ISC VIII 23 20 49 01.9–2.7 35.56S–.04 73.55W–.07 5–16 4.3b 80 1-149
SJA VIII 23 20 48 58.4–1.4 35.47S 73.92W 10 4.2L,3.9W **¶621002155**
GUC VIII 23 20 49 01.4–.71 35.55S 73.81W 32–4 4.0L,3.9W
NEIC VIII 23 20 49 02.6–2.2 35.52S–.04 73.59W–.10 10–1 4.4b,3.9W
IDC VIII 23 20 49 04.1–1.3 35.60S 73.28W 0 4.2b,4.1
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.7km s-min=23.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=4.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.0km az=264.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.6km s-min=12.2km az=103.0.
ISC VIII 21 09 46 38.8–.94 33.84S–.03 72.24W–.07 21–3 55 1-154
IDC VIII 21 09 46 35.7–1.1 33.77S 72.34W 0 3.6b,3.5 **¶621042980**
GUC VIII 21 09 46 39.7–.71 33.88S 72.16W 45–3 3.5L,3.5
SJA VIII 21 09 46 39.7–.73 33.77S 72.10W 32–1 3.7W,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=19.2km az=130.0.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=3.4km az=-1.0. Presumed earthquake.
ISC IX 01 06 50 49.0–1.8 35.41S–.04 73.36W–.07 4–12 62 1-5
SJA IX 01 06 50 48.6–.63 35.30S 73.48W 20–4 3.7W,3.5L **¶624897033**
GUC IX 01 06 50 51.9–.87 35.44S 73.22W 28–4 3.6L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=5.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=4.7km az=-1.0. Presumed earthquake.
ISC VIII 25 13 24 47.1–2.5 35.50S–.04 73.62W–.09 5–14 47 1-5
SJA VIII 25 13 24 47.5–.65 35.49S 73.47W 7–3 3.4W,3.3L **¶624776405**
GUC VIII 25 13 24 49.8–.78 35.54S 73.50W 33–6 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.2km s-min=10.6km az=-1.0. Presumed earthquake.
ISC VIII 25 20 20 11.3–.66 38.13S–.04 75.37W–.05 10 4.4b 127 2-86
SJA VIII 25 20 20 10.9–.64 38.05S 75.23W 15–15 3.6L,3.4W **¶621007378**
NEIC VIII 25 20 20 11.9–1.6 38.07S–.05 75.3W–.10 10–2 4.3b,3.4W
GFZ VIII 25 20 20 12.0–.34 38S–2.0 75W–5.0 10 4.9,4.6b
GUC VIII 25 20 20 12.7–.63 38.09S 75.19W 25–7 4.1L,4.6b
IDC VIII 25 20 20 12.2–1.9 38.14S 75.70W 0 4.0L,3.7b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=15.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.9km az=263.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=3.7km s-min=8.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=62.4km s-min=17.0km az=46.0.
ISC VIII 30 21 32 21.8–2.2 29.35S–.03 72.01W–.05 11–14 69 1-5
SJA VIII 30 21 32 21.0–.65 29.35S 72.10W 14–3 3.7W,3.5L **¶624776514**
GUC VIII 30 21 32 25.5–.81 29.40S 71.74W 47–5 3.5L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=4.1km az=-1.0. Presumed earthquake.
ISC VIII 27 13 53 47.1–2.1 35.35S–.05 73.42W–.06 16–13 4.4b 67 1-51
SJA VIII 27 13 53 40.6–1.3 35.23S 73.82W 10 4.4L,4.1W **¶621009733**
NEIC VIII 27 13 53 47.9–1.4 35.35S–.04 73.37W–.08 15–4 4.4b,4.2
NEIC VIII 27 13 53 48 35.37S 73.36W 16 4.4b,4.2
GUC VIII 27 13 53 48.1–.54 35.38S 73.43W 34–4 4.2L,4.2
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.4km s-min=19.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.0km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.04 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-1.71 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.98 $M_{\phi r}$-1.06 NP1:ϕ_s187.25000°,δ58.05000°,λ66.64000°. NP2:ϕ_s46.48000°,δ38.83000°,λ122.45000°. Principal axes: T 2.4874,Plg68.0000°,Azm50.0000°; N -0.1339,Plg20.0000°,Azm200.0000°; P -2.3535,Plg10.0000°,Azm294.0000° M_o2.42000×10^{15}
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=5.6km az=-1.0. Presumed earthquake.
ISC IX 01 07 56 06.1–2.2 29.63S–.03 72.14W–.07 4–14 47 1-5
SJA IX 01 07 56 03.2–1.7 29.60S 72.51W 13–21 3.6W,3.2L **¶624897036**
GUC IX 01 07 56 08.6–.70 29.66S 72.09W 34–3 3.0L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.3km s-min=20.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.3km az=-1.0. Presumed earthquake.
ISC IX 02 15 25 05.8–1.9 32.13S–.03 72.89W–.04 8–12 4.7b,3.5s 276 1-153
GUC IX 02 15 25 04.8–.91 32.11S 73.02W 21–10 4.6L,3.5s **¶621023700**
SJA IX 02 15 25 04.0–.72 32.12S 73.23W 40–16 4.5L,4.3W
NEIC IX 02 15 25 06.3–1.8 32.11S–.03 72.86W–.07 10–1 4.8b,4.6L
GFZ IX 02 15 25 07.2–.31 32S–2.0 73W–4.0 10 4.7b,4.7
IDC IX 02 15 25 13.6–2.8 32.24S 72.70W 59–24 4.5L,4.3
VAO IX 02 15 25 20.1–.97 31.49S 71.62W 10 4.4b,4.3
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.6km s-min=14.1km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=10.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.5km az=264.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=21.7km s-min=12.9km az=103.0.
VAO Event type se. Error ellipse: s-maj=8.8km s-min=8.7km az=-1.0. Presumed earthquake.
GUC IX 04 17 09 05.5–.69 35.52S 73.23W 29–3 3.8L ¶621309521
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.4km az=-1.0. Presumed earthquake.
ISC IX 03 16 48 26.4–2.1 34.51S–.04 73.54W–.07 1–12 51 1-77
IDC IX 03 16 48 28.4–1.6 34.31S 73.60W 0 3.7b,3.7 **¶621081577**
SJA IX 03 16 48 30.0 34.47S 73.42W 10 3.4L,3.7
GUC IX 03 16 48 31.2–.80 34.71S 73.45W 21–5 3.4L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=17.5km az=102.0.
SJA Event type se. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.5km s-min=5.1km az=-1.0. Presumed earthquake.
ISC IX 06 08 31 02.0–.85 31.79S–.02 72.12W–.04 7–5 4.3b 138 1-152
SJA IX 06 08 31 00.6–.67 31.73S 72.29W 10–5 4.2L,4.0W **¶621037051**
IDC IX 06 08 31 02.5–.92 31.69S 72.65W 0 4.4s,4.3L
NEIC IX 06 08 31 03.7–.92 31.76S–.03 72.13W–.05 19–4 4.2L,4.2b
GUC IX 06 08 31 04.8–.65 31.74S 72.09W 33–3 4.2L,4.2b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=5.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=22.1km s-min=19.8km az=20.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.9km az=-1.0. Presumed earthquake.
ISC IX 07 14 23 60.0–1.5 37.98S–.04 74.08W–.06 7–9 4.3b 135 0-161
SJA IX 07 14 23 56.3–.57 37.95S 74.45W 19–7 4.3W,4.1L **¶621041450**
GFZ IX 07 14 23 59.9–.25 38S–2.0 74W–4.0 10 4.5b,4.5
GUC IX 07 14 24 00.6–.80 38.01S 74.15W 30–4 4.4L,4.5
NEIC IX 07 14 24 00.4–.83 37.984S–.01 74.1W–.10 10–1 4.4b,4.2L
IDC IX 07 14 24 00.9–.99 37.96S 73.73W 0 3.9L,3.9b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=8.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=9.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=2.9km az=271.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=12.9km az=81.0.
ISC IX 08 21 41 43.4–1.6 31.64S–.02 72.21W–.06 4–11 87 1-3
SJA IX 08 21 41 42.6–.65 31.68S 72.35W 10–4 3.5W,3.4L **¶624897156**
GUC IX 08 21 41 46.3–.90 31.70S 72.05W 27–6 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=5.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.2km az=-1.0. Presumed earthquake.
ISC IX 12 11 32 33.4–.94 31.71S–.02 72.16W–.03 9–5 4.3b 183 1-170
SJA IX 12 11 32 30.8–.57 31.69S 72.33W 11–2 4.2L,3.9W **¶621070683**
IDC IX 12 11 32 32.9–.64 31.67S 72.17W 0 4.0b,3.9L
GUC IX 12 11 32 33.5–.62 31.71S 72.28W 24–2 4.4L,3.9L
NEIC IX 12 11 32 33.3–1.1 31.72S–.03 72.13W–.05 5–5 4.4b,4.2L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 01 54 21.6–1.4 31.67S–.02 72.07W–.04 12–8 4.3b 128 1-170
IDC IX 12 01 54 20.0–.99 31.55S 72.38W 0 4.2b,3.9 **¶621070393**
SJA IX 12 01 54 21.6–.62 31.71S 72.32W 41–737 4.3W,4.0L
GUC IX 12 01 54 22.2–.97 31.70S 72.04W 31–7 3.8L,4.0L
NEIC IX 12 01 54 22.5–1.4 31.71S–.03 72.04W–.06 10–1 4.3b,3.8L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 08 17 34 50.3–1.6 31.68S–.02 72.19W–.06 3–10 92 1-3
SJA IX 08 17 34 51.0–.72 31.74S 72.46W 33–6 3.9W,3.6L **¶624897154**
GUC IX 08 17 34 53.7–.88 31.70S 72.07W 29–2 3.6L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=5.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0. Presumed earthquake.
ISC IX 13 11 22 03.0–3.6 37.31S–.04 75.01W–.05 16–22 4.6b 215 1-178
SJA IX 13 11 21 58.4–.48 37.29S 75.24W 28–7 4.2L,3.9W **¶621071763**
GFZ IX 13 11 22 00.7–.79 37S–3.0 75W–10 10 5.7b,5.3
IDC IX 13 11 22 01.4–.65 37.28S 75.14W 0 4.4L,4.2b
VAO IX 13 11 22 02.0–1.7 37.21S 74.96W 10 4.7b,4.2b

NEIC IX 13 11 22 04.5–1.4 37.29S–.05 74.97W–.08 26–5 4.6b,4.4
NEIC IX 13 11 22 04.4 37.28S 74.97W 25 4.6b,4.4
GUC IX 13 11 22 04.0–.54 37.35S 74.90W 17–5 4.3L,4.4
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=7.3km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=22.6km s-min=5.0km az=96.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=18.7km s-min=13.0km az=68.0.
VAO Event type se. Error ellipse: s-maj=8.7km s-min=21.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.9km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.52 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$0.91 $M_{r\theta}$0.33 $M_{\theta\phi}$0.50 $M_{\phi r}$0.94 NP1:ϕ_s62.96000°,δ67.72000°,λ32.31000°. NP2:ϕ_s319.47000°,δ60.36000°,λ154.13000°. Principal axes: T 1.7862,Plg38.0000°,Azm283.0000°; N -0.2430,Plg51.0000°,Azm94.0000°; P -1.5432,Plg5.0000°,Azm190.0000° $M_0$1.68000×10^{15}
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=5.2km az=-1.0. Presumed earthquake.
ISC IX 14 04 12 29.4–.97 31.69S–.02 72.15W–.04 3–6 4.6b,4.1s 287 1-171
IDC IX 14 04 12 30.0–.53 31.67S 72.12W 0 4.4b,4.3L **¶621072672**
VAO IX 14 04 12 30.5–.51 31.64S 72.10W 10 4.6b,4.3L
NEIC IX 14 04 12 30.9–1.3 31.71S–.03 72.06W–.04 10–1 4.7b,4.5
NEIC IX 14 04 12 31.4 31.69S 72.03W 10 4.7b,4.5
SJA IX 14 04 12 31.5–.59 31.68S 72.21W 40–8 4.8W,4.6L
GFZ IX 14 04 12 32.1–.26 32S–2.0 72W–4.0 10 4.9L,4.6b
GUC IX 14 04 12 33.2–.77 31.72S 71.97W 28–3 4.5L,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=13.5km az=89.0.
VAO Event type se. Error ellipse: s-maj=4.6km s-min=6.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=246.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.52 $M_{\theta\theta}$0.37 $M_{\phi\phi}$-3.89 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.09 $M_{\phi r}$-2.63 NP1:ϕ_s10.08000°,δ27.93000°,λ104.85000°. NP2:ϕ_s173.38000°,δ63.08000°,λ82.26000°. Principal axes: T 4.4351,Plg71.0000°,Azm66.0000°; N 0.2966,Plg7.0000°,Azm177.0000°; P -4.7317,Plg18.0000°,Azm269.0000° $M_0$4.59000×10^{15}
NEIC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=6.3km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.4km az=-1.0. Presumed earthquake.
ISC IX 14 12 07 24.6–1.4 31.70S–.02 72.06W–.04 2–9 4.4b 115 1-68
NEIC IX 14 12 07 26.1–.95 31.70S–.02 72.11W–.05 11–4 4.4b,3.8L **¶621309603**
SJA IX 14 12 07 27.3–.74 31.70S 72.29W 43–438 4.2W,3.9L
GUC IX 14 12 07 28.9–.68 31.70S 72.02W 34–4 3.8L,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.2km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=6.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=7.5km az=-1.0. Presumed earthquake.
ISC IX 14 01 56 36.2–.73 31.71S–.02 72.04W–.03 19–3 5.0b,4.3s 300 1-174
SJA IX 14 01 56 32.7–.72 31.67S 72.24W 10–3 5.1L,4.7W **¶621072663**
IDC IX 14 01 56 33.4–.43 31.67S 72.05W 0 4.7b,4.6
NEIC IX 14 01 56 35.8–.85 31.70S–.03 71.96W–.05 13–3 5.0b,4.8
NEIC IX 14 01 56 35.8 31.71S 71.94W 15 5.0b,4.8
GFZ IX 14 01 56 36.2 31.73S 71.97W 26 4.9W,4.8
GFZ IX 14 01 56 36.5–.32 32S–2.0 72W–5.0 10 5.2L,4.7b
GUC IX 14 01 56 37.2–.73 31.75S 71.95W 28–1 4.8L,4.7b
GCMT IX 14 01 56 39.6–.40 31.79S–.03 72.08W–.04 27–1 5.1W,4.7b
VAO IX 14 01 56 47.4–.61 31.39S 71.71W 102 4.7b,4.7b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=13.3km s-min=9.9km az=87.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.1km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.21 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-1.21 $M_{r\theta}$0.17 $M_{\theta\phi}$0.11 $M_{\phi r}$-1.23 NP1:ϕ_s356.47000°,δ22.23000°,λ93.25000°. NP2:ϕ_s172.96000°,δ67.81000°,λ88.67000°. Principal axes: T 1.7336,Plg67.0000°,Azm81.0000°; N 0.0106,Plg1.0000°,Azm173.0000°; P -1.7442,Plg23.0000°,Azm264.0000° $M_0$1.74000×10^{16}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.27 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-0.92 $M_{r\theta}$-0.23 $M_{\theta\phi}$-0.11 $M_{\phi r}$-2.34 NP1:ϕ_s186.01667°,δ82.85150°,λ91.20151°. NP2:ϕ_s356.44991°,δ7.24825°,λ80.50829°. Principal axes: T 2.1008,Plg52.1341°,Azm97.4008°; N 0.6512,Plg1.1922°,Azm5.8671°; P -2.7520,Plg37.8403°,Azm274.9409° $M_0$2.49111×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=3.3km az=-1.0. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109140156A. Moment Tensor Solution. s27,c34; s75,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.67±.29 $M_{\theta\theta}$-1.09±.16; $M_{\phi\phi}$-3.58±.18; $M_{r\theta}$0.26±.28; $M_{\theta\phi}$0.71±.09; $M_{\phi r}$-3.74±.27; Best double couple: NP1:ϕ_s342.00000°,δ25.00000°,λ81.00000°. NP2:ϕ_s172.00000°,δ66.00000°,λ94.00000°. Principal axes: T 6.1130,Plg69.0000°,Azm90.0000°; N -0.9500,Plg4.0000°,Azm350.0000°; P -5.1630,Plg21.0000°,Azm259.0000° $M_0$5.63800×10^{16}
VAO Event type se. Error ellipse: s-maj=6.3km s-min=6.1km az=-1.0. Presumed earthquake.
ISC IX 14 02 08 37.1–3.2 31.76S–.02 72.29W–.06 1–23 103 1-3
SJA IX 14 02 08 40.0–.81 31.74S 72.36W 43–286 3.8W,3.6L **¶624897245**
GUC IX 14 02 08 42.2–.78 31.74S 71.97W 24–2 3.5L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=5.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0. Presumed earthquake.
ISC IX 14 05 09 01.6–2.4 31.74S–.02 72.24W–.06 11–16 107 1-5
SJA IX 14 05 09 00.1–.69 31.70S 72.26W 14–4 3.5W,3.4L **¶624897253**
GUC IX 14 05 09 03.8–.68 31.73S 72.02W 30–2 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=2.9km az=-1.0. Presumed earthquake.
ISC IX 15 02 09 39.7–2.1 31.84S–.02 72.13W–.04 3–13 4.5b,3.9s 200 1-171
IDC IX 15 02 09 40.2–.69 31.76S 72.27W 0 4.2b,4.1L **¶621073519**
SJA IX 15 02 09 40.0–.75 31.88S 72.18W 16–3 4.3L,4.3W
GUC IX 15 02 09 42.6–.77 31.85S 71.99W 24–2 4.3L,4.3W
NEIC IX 15 02 09 43 31.84S 72.00W 20 4.3L,4.3W
NEIC IX 15 02 09 43.0–1.4 31.84S–.03 72.00W–.06 20–4 4.5b,4.3L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.81 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-2.00 $M_{r\theta}$0.34 $M_{\theta\phi}$-0.05 $M_{\phi r}$-0.67 NP1:ϕ_s12.61000°,δ36.49000°,λ108.09000°. NP2:ϕ_s170.50000°,δ55.57000°,λ77.06000°. Principal axes: T 1.9924,Plg76.0000°,Azm41.0000°; N 0.1215,Plg11.0000°,Azm178.0000°; P -2.1139,Plg10.0000°,Azm270.0000° $M_0$2.06000×10^{15}
ISC IX 16 06 10 33.4–1.5 32.14S–.02 72.26W–.04 5–9 4.4b 147 1-156
SJA IX 16 06 10 32.8–.67 32.16S 72.43W 24–4 4.4W,4.2L **¶621079070**
IDC IX 16 06 10 33.8–.80 32.11S 72.35W 0 4.1b,4.0L
NEIC IX 16 06 10 35.6–1.1 32.16S–.03 72.30W–.06 20–6 4.4b,4.0L
GUC IX 16 06 10 36.1–.75 32.15S 72.18W 30–3 4.0L,4.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=19.5km s-min=14.8km az=133.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.0km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0. Presumed earthquake.
ISC IX 15 03 48 56.6–2.9 39.57S–.05 75.19W–.09 11–15 36 1-5
SJA IX 15 03 48 55.3–.69 39.46S 75.27W 16–3 3.0W,2.9L **¶624897285**
GUC IX 15 03 48 59.3–.40 39.59S 75.01W 15–6 3.0L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.0km s-min=5.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=5.8km az=-1.0. Presumed earthquake.
ISC IX 16 02 23 25.2–1.8 31.86S–.02 72.16W–.05 8–13 101 1-5
GUC IX 16 02 23 26.4–.69 31.86S 72.24W 27–3 3.7L **¶624897311**
SJA IX 16 02 23 27.0–.67 31.88S 72.29W 40–10 4.0W,3.7L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.4km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=8.6km az=-1.0. Presumed earthquake.
ISC IX 14 23 23 59.5–1.7 31.64S–.02 72.08W–.07 7–11 72 1-5
SJA IX 14 23 23 57.8–.75 31.68S 72.49W 24–7 3.5W,3.1L **¶624897278**
GUC IX 14 23 24 03.0–.73 31.70S 71.96W 40–3 3.1L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=6.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0. Presumed earthquake.
ISC IX 15 08 47 01.3–.91 32.12S–.02 72.20W–.04 24–6 4.9b,4.2s 258 1-175
SJA IX 15 08 46 50.2–.64 32.16S 72.56W 11 5.1W,4.8L **¶621073669**
NEIC IX 15 08 46 59.7 32.11S 72.27W 10 5.1W,4.8L
GUC IX 15 08 46 59.3–.72 32.12S 72.35W 26–3 4.6L,4.8L
NEIC IX 15 08 46 59.8–1.5 32.11S–.03 72.26W–.07 11–3 4.9b,4.9
GFZ IX 15 08 47 00.1–.44 32S–2.0 72W–6.0 10 5.0L,4.7b
VAO IX 15 08 47 01.9–.97 32.11S 72.38W 40–8 4.8b,4.7b
GFZ IX 15 08 47 01.6 32.14S 72.15W 19 4.9W,4.7b
IDC IX 15 08 47 03.3–3.3 32.18S 72.07W 29–22 4.4,4.3L
GCMT IX 15 08 47 04.5–.30 32.25S–.02 72.26W–.03 18–1 5.1W,4.3L
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.72 $M_{\theta\theta}$0.18 $M_{\phi\phi}$-2.90 $M_{r\theta}$0.28 $M_{\theta\phi}$-0.05 $M_{\phi r}$-1.28 NP1:ϕ_s7.25000°,δ33.07000°,λ100.26000°. NP2:ϕ_s175.06000°,δ57.52000°,λ83.38000°. Principal axes: T 3.0288,Plg76.0000°,Azm65.0000°; N 0.1492,Plg6.0000°,Azm179.0000°; P -3.1780,Plg12.0000°,Azm270.0000° $M_0$3.11000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.93 $M_{\theta\theta}$0.79 $M_{\phi\phi}$-2.72 $M_{r\theta}$0.01 $M_{\theta\phi}$0.25 $M_{\phi r}$-1.85 NP1:ϕ_s179.18318°,δ64.20826°,λ93.57724°. NP2:ϕ_s351.00682°,δ26.02180°,λ82.64291°. Principal axes: T 2.5757,Plg70.5769°,Azm96.8072°; N 0.8048,Plg3.2205°,Azm357.6251°; P -3.3806,Plg19.1330°,Azm266.5066° $M_0$3.05862×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109150846A. Moment Tensor Solution. s40,c43; s99,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.14±.18 $M_{\theta\theta}$-0.44±.10; $M_{\phi\phi}$-2.70±.13; $M_{r\theta}$0.58±.21; $M_{\theta\phi}$0.29±.07; $M_{\phi r}$-4.34±.38; Best double couple: NP1:ϕ_s353.00000°,δ17.00000°,λ91.00000°. NP2:ϕ_s172.00000°,δ73.00000°,λ90.00000°. Principal axes: T 5.4750,Plg62.0000°,Azm82.0000°; N -0.4080,Plg0.0000°,Azm173.0000°; P -5.0710,Plg28.0000°,Azm263.0000° $M_0$5.27300×10^{16}
ISC IX 16 11 36 41.1–1.5 32.13S–.02 72.28W–.06 13–10 83 1-4
SJA IX 16 11 36 41.2–.58 32.12S 72.62W 38–8 3.7W,3.3L **¶624897322**
GUC IX 16 11 36 45.4–.70 32.13S 72.14W 37–1 3.3L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=9.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0. Presumed earthquake.
ISC IX 16 06 56 35.3–1.7 32.13S–.03 72.19W–.07 6–11 54 1-3
SJA IX 16 06 56 34.4–.74 32.12S 72.20W 8–3 3.5W,3.3L **¶621309622**
GUC IX 16 06 56 37.5–.77 32.17S 72.19W 15–6 3.2L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=5.8km az=-1.0. Presumed earthquake.
ISC IX 16 08 42 53.2–1.7 32.10S–.02 72.32W–.06 10–11 87 1-4
SJA IX 16 08 42 53.2–.65 32.13S 72.23W 11–2 3.6W,3.5L **¶621309619**
GUC IX 16 08 42 55.6–.70 32.10S 72.21W 27–2 3.5L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0. Presumed earthquake.
ISC IX 16 11 43 50.1–1.5 32.17S–.02 72.33W–.06 13–9 90 1-5
SJA IX 16 11 43 47.2–.66 32.12S 72.40W 12–3 3.5L,3.5W **¶621309617**
GUC IX 16 11 43 52.0–.59 32.13S 72.13W 27–2 3.6L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.8km az=-1.0. Presumed earthquake.
ISC IX 16 18 00 29.8–2.1 32.17S–.03 72.31W–.07 23–18 81 1-5
SJA IX 16 18 00 28.7–.73 32.14S 72.35W 40–9 3.8W,3.5L **¶624897329**
GUC IX 16 18 00 29.9–.70 32.14S 72.16W 44–2 3.4L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=8.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.8km az=-1.0. Presumed earthquake.
ISC IX 16 09 28 27.8–1.6 32.14S–.02 72.29W–.04 8–10 4.4b 160 1-156
IDC IX 16 09 28 27.5–.78 32.04S 72.33W 0 4.2b,4.1 **¶621079123**
SJA IX 16 09 28 27.0–.54 32.15S 72.29W 18–1 4.2W,4.1L
NEIC IX 16 09 28 28.5–1.1 32.107S–.01 72.20W–.05 10–1 4.6b,4.2L
GUC IX 16 09 28 30.0–.66 32.14S 72.15W 24–2 4.2L,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=15.0km az=135.0.
SJA Event type se. Error ellipse: s-maj=1.0km s-min=2.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.8km az=272.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.7km az=-1.0. Presumed earthquake.
ISC IX 16 18 34 55.2–1.4 31.83S–.02 72.19W–.04 9–8 4.6b 225 1-171
SJA IX 16 18 34 54.7–2.5 31.82S 72.39W 30–34 4.4L,4.4W **¶621080871**
NEIC IX 16 18 34 55.5–1.8 31.81S–.02 72.19W–.04 10–1 4.6b,4.2L
VAO IX 16 18 34 55.6–.57 31.84S 72.29W 19 4.5b,4.2L
IDC IX 16 18 34 55.1–.54 31.80S 72.09W 0 4.4b,4.3
GUC IX 16 18 34 58.0–.78 31.84S 72.08W 40–3 4.2L,4.3
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=7.3km s-min=22.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.0km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=4.7km s-min=6.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=15.1km s-min=11.8km az=172.0.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0. Presumed earthquake.
ISC IX 16 15 19 11.3–1.3 31.87S–.02 72.21W–.05 11–8 117 1-155
SJA IX 16 15 19 09.4–.73 31.86S 72.49W 9 3.8L,3.6W **¶621112895**
IDC IX 16 15 19 10.3–.91 32.28S 72.52W 0 3.6L,3.5
GUC IX 16 15 19 14.4–.80 31.79S 71.99W 41–2 3.8L,3.5
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=5.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=22.3km s-min=18.9km az=163.0.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0. Presumed earthquake.
ISC IX 20 04 18 30.0–1.8 36.82S–.05 74.03W–.06 9–11 4.3b 87 1-71
NEIC IX 20 04 18 29.0–1.4 36.77S–.06 74.09W–.05 10–2 4.3b,4.3 **¶621083217**
NEIC IX 20 04 18 29 36.77S 74.08W 10 4.3b,4.3
SJA IX 20 04 18 29.1–.61 36.61S 74.06W 21–4 4.2W,3.8L
IDC IX 20 04 18 30.3–1.3 36.68S 73.89W 0 3.5L,3.4
GUC IX 20 04 18 30.0–.65 36.78S 74.09W 31–6 3.9L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.4km az=351.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.08 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-1.05 $M_{r\theta}$-0.23 $M_{\theta\phi}$-0.44 $M_{\phi r}$-0.71 NP1:ϕ_s22.21000°,δ28.50000°,λ92.74000°. NP2:ϕ_s199.09000°,δ61.53000°,λ88.51000°. Principal axes: T 1.3010,Plg73.0000°,Azm105.0000°; N 0.1358,Plg1.0000°,Azm200.0000°; P -1.4368,Plg17.0000°,Azm290.0000° $M_0$1.37000×10^{15}
NEIC Event type se.

SJA Event type se. Error ellipse: s-maj=4.0km s-min=7.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=27.5km s-min=13.7km az=63.0.
GUC Event type se. Error ellipse: s-maj=3.2km s-min=7.7km az=-1.0. Presumed earthquake.
ISC IX 16 16 00 49.1–1.6 31.79S–.02 72.29W–.06 3–11 98 1-3
SJA IX 16 16 00 50.2–.59 31.84S 72.29W 11 3.7L,3.6W **¶624897325**
GUC IX 16 16 00 52.6–.75 31.77S 71.98W 33–3 3.6L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=3.0km az=-1.0. Presumed earthquake.
ISC IX 16 20 44 11.8–2.1 31.84S–.02 72.33W–.06 12–14 107 1-5
SJA IX 16 20 44 08.7–.71 31.80S 72.42W 7–4 3.7L,3.4W **¶621309614**
GUC IX 16 20 44 13.2–.91 31.83S 72.11W 38–4 3.9L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=5.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.6km az=-1.0. Presumed earthquake.
ISC IX 16 22 24 16.9–1.6 32.26S–.02 72.27W–.06 4–10 70 1-4
SJA IX 16 22 24 18.2–.75 32.32S 72.55W 37–7 3.6W,3.3L **¶624897335**
GUC IX 16 22 24 21.2–.87 32.27S 72.11W 18–8 3.1L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=9.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=6.0km az=-1.0. Presumed earthquake.
ISC IX 18 03 55 57.9–1.2 31.81S–.03 72.18W–.05 42–14 4.2b 83 1-152
IDC IX 18 03 55 53.3–1.1 31.70S 72.41W 0 4.2b,3.9 **¶621113545**
GUC IX 18 03 55 55.6–.85 31.79S 72.14W 42–6 3.9L,3.9
SJA IX 18 03 55 55.3–.61 31.80S 72.30W 40–999 4.1W,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=17.6km az=117.0.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.6km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.2km az=-1.0. Presumed earthquake.
ISC IX 18 19 06 10.0–1.6 31.80S–.02 72.18W–.06 9–10 81 1-5
SJA IX 18 19 06 10.5–.78 31.81S 72.21W 17–4 3.7W,3.5L **¶624897372**
GUC IX 18 19 06 12.4–.82 31.78S 72.16W 37–2 3.5L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=6.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0. Presumed earthquake.
ISC IX 20 05 43 15.6–1.6 36.72S–.04 74.06W–.05 16–9 4.3b 182 1-87
SJA IX 20 05 43 08.5–.75 36.70S 74.46W 5–4 4.2L,3.7W **¶621083222**
VAO IX 20 05 43 12.6–.86 37.21S 74.15W 10 4.5b,3.7W
IDC IX 20 05 43 14.7–1.0 36.70S 73.93W 0 4.1b,4.0
GFZ IX 20 05 43 15.3–.27 37S–2.0 74W–4.0 10 5.2b,4.6L
NEIC IX 20 05 43 15.0–.63 36.77S–.04 74.09W–.04 16–4 4.4b,4.4
NEIC IX 20 05 43 15.7 36.77S 74.04W 16 4.4b,4.4
GUC IX 20 05 43 17.2–.62 36.77S 73.98W 39–5 4.2L,4.4
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=4.3km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=11.5km s-min=9.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.5km s-min=12.7km az=89.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=5.1km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.01 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-1.58 $M_{r\theta}$-0.66 $M_{\theta\phi}$-1.03 $M_{\phi r}$-1.99 NP1:ϕ_s39.91000°,δ23.41000°,λ106.85000°. NP2:ϕ_s201.65000°,δ67.66000°,λ82.85000°. Principal axes: T 2.9047,Plg67.0000°,Azm99.0000° ; N 0.1209,Plg7.0000°,Azm204.0000°; P -3.0256,Plg22.0000°,Azm297.0000° M_o2.97000×10^{15}
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=7.8km az=-1.0. Presumed earthquake.
ISC IX 22 17 42 02.3–2.3 36.88S–.03 74.11W–.05 6–14 4.8b,4.3s 260 2-171
SJA IX 22 17 41 57.5–1.5 36.82S 74.48W 10 4.8L,4.4W **¶621105939**
NEIC IX 22 17 42 02 36.83S 74.15W 10 4.8L,4.4W
IDC IX 22 17 42 02.9–.64 36.80S 73.77W 0 4.5b,4.5
NEIC IX 22 17 42 02.1–1.6 36.83S–.05 74.14W–.07 10–1 5.0,5.0b
GUC IX 22 17 42 03.1–.50 36.90S 74.03W 17–4 5.0L,5.0b
VAO IX 22 17 42 04.3–.47 36.85S 73.96W 10 4.9b,5.0b
GFZ IX 22 17 42 04.0–.22 37S–2.0 74W–4.0 10 5.4b,5.2L
GCMT IX 22 17 42 07.5–.30 36.85S–.02 74.27W–.02 23–1 5.0W,5.2L
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.91 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.87 $M_{r\theta}$-0.72 $M_{\theta\phi}$-0.63 $M_{\phi r}$-2.88 NP1:ϕ_s194.39000°,δ80.58000°,λ83.65000°. NP2:ϕ_s48.59000°,δ11.35000°,λ123.68000°. Principal axes: T 3.0427,Plg54.0000°,Azm97.0000°; N 0.2169,Plg6.0000°,Azm195.0000°; P -3.2596,Plg35.0000°,Azm290.0000° M_o3.16000×10^{16}
GUC Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221742A. Moment Tensor Solution. s36,c41; s73,c100; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.41±.23 $M_{\theta\theta}$-0.23±.12; $M_{\phi\phi}$-3.18±.15; $M_{r\theta}$-0.87±.16; $M_{\theta\phi}$0.07±.07; $M_{\phi r}$-1.82±.18; Best double couple: NP1:ϕ_s348.00000°,δ32.00000°,λ70.00000°. NP2:ϕ_s191.00000°,δ61.00000°,λ102.00000°. Principal axes: T 4.0510,Plg72.0000°,Azm129.0000°; N -0.3960,Plg10.0000°,Azm5.0000° ; P -3.6560,Plg15.0000°,Azm273.0000° M_o3.85400×10^{16}
ISC IX 20 13 58 30.1–2.1 36.81S–.03 74.00W–.06 7–13 4.3b 104 1-100
SJA IX 20 13 58 16.9–.50 37.11S 74.95W 8–9 4.2L,4.1W **¶621086511**
IDC IX 20 13 58 29.8–1.0 36.74S 73.99W 0 4.0b,3.9
GUC IX 20 13 58 31.6–.57 36.80S 74.03W 35–2 4.0L,3.9
NEIC IX 20 13 58 31.1–1.1 36.77S–.05 73.99W–.06 14–4 4.4b,4.0L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 13 20 25.1–2.5 36.86S–.04 74.05W–.10 4–15 34 2-5
SJA IX 21 13 20 27.1–1.1 36.78S 73.84W 10 4.3L,4.1W **¶624897429**
GUC IX 21 13 20 28.8–.71 36.88S 73.95W 15–6 3.9L,4.1W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=7.3km s-min=18.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=5.3km az=-1.0. Presumed earthquake.
ISC IX 22 10 58 04.7–1.8 38.13S–.04 74.1W–.10 18 21 0-5
SJA IX 22 10 58 00.1–.82 38.10S 74.40W 1–6 3.9L,3.5W **¶624897464**
GUC IX 22 10 58 08.4–.40 38.14S 73.95W 38–2 3.9L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=10.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=7.5km az=-1.0. Presumed earthquake.
ISC IX 21 14 55 36.6–1.7 36.81S–.04 74.23W–.08 12–11 35 2-5
SJA IX 21 14 55 35.8–1.8 36.76S 74.18W 10 3.3L,3.2W **¶624897436**
GUC IX 21 14 55 46.3–.70 37.13S 73.83W 12–5 3.6L,3.2W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=10.4km s-min=33.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=5.3km az=-1.0. Presumed earthquake.
NEIC IX 21 15 26 19.2–.74 36.85S–.06 74.1W–.10 10–2 4.3b
¶622452197
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 15 27 22.0–1.0 36.84S–.03 74.00W–.05 1–6 4.7b 173 2-178
SJA IX 21 15 27 13.5–.62 36.68S 75.05W 9 4.6L,4.5W **¶621094403**
VAO IX 21 15 27 18.8–3.0 37.51S 73.93W 10 4.9b,4.5W
NEIC IX 21 15 27 23.7 36.79S 74.03W 10 4.9b,4.5W
IDC IX 21 15 27 23.3–.71 36.66S 73.79W 0 4.3b,4.3
NEIC IX 21 15 27 23.7–1.1 36.79S–.06 74.0W–.10 10–1 4.7b,4.6
GFZ IX 21 15 27 24.8–.26 37S–2.0 74W–6.0 10 5.2b,4.9L
GUC IX 21 15 27 25.1–.65 36.95S 73.89W 26–4 4.4L,4.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=8.7km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=31.4km s-min=24.9km az=-1.0. Presumed earthquake.
NEIC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=11.7km az=88.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=8.9km az=285.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.49 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$-5.72 $M_{r\theta}$0.34 $M_{\theta\phi}$-2.65 $M_{\phi r}$-2.07 NP1:ϕ_s33.29000°,δ38.44000°,λ105.49000°. NP2:ϕ_s193.81000°,δ53.19000°,λ78.03000°. Principal axes: T 6.9099,Plg78.0000°,Azm60.0000° ; N 0.1888,Plg10.0000°,Azm201.0000°; P -7.0987,Plg7.0000°,Azm292.0000° M_o7.01000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=3.0km s-min=7.5km az=-1.0. Presumed earthquake.
ISC IX 22 17 59 17.2–2.0 36.31S–.07 74.98W–.09 15–15 56 2-23
GUC IX 22 17 59 16.8–.47 36.28S 74.88W 10–11 4.0L **¶621105942**
SJA IX 22 17 59 22.5–13 36.29S 74.87W 10 4.1L
NEIC IX 22 17 59 28.3–1.2 36.86S–.02 74.07W–.09 10–2 4.4b,4.1L
ISC Event type se.
GUC Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 25 06 34 37.7–1.9 36.90S–.03 74.05W–.07 9–11 3.5b 52 1-72
SJA IX 25 06 34 31.8–.45 36.79S 74.52W 12 3.9W,3.7L **¶621131438**
GUC IX 25 06 34 36.7–.28 36.89S 74.23W 10 3.8L,3.7L
IDC IX 25 06 34 38.2–1.6 36.81S 73.82W 0 3.5b,3.5
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=5.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.9km s-min=5.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=28.1km s-min=11.6km az=77.0.
ISC IX 23 00 33 34.4–1.1 36.90S–.03 74.11W–.04 7–6 4.8b,3.7s 210 2-178
SJA IX 23 00 33 20.9–.43 36.83S 74.84W 8 4.4L,4.3W **¶621106373**
NEIC IX 23 00 33 33.4 36.89S 74.16W 1 4.4L,4.3W
IDC IX 23 00 33 34.5–.92 36.82S 74.12W 0 4.3b,4.3
NEIC IX 23 00 33 34.6–1.2 36.88S–.05 74.16W–.08 10–1 4.8,4.8b
GUC IX 23 00 33 34.3–.40 36.89S 74.08W 5–7 4.2L,4.8b
VAO IX 23 00 33 36.9–.88 36.84S 73.89W 10 4.7b,4.8b
GFZ IX 23 00 33 36.0–.33 37S–2.0 74W–5.0 10 5.5b,4.9
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.12 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-4.31 $M_{r\theta}$-1.77 $M_{\theta\phi}$-2.71 $M_{\phi r}$-2.54 NP1:ϕ_s24.60000°,δ30.41000°,λ83.57000°. NP2:ϕ_s212.04000°,δ59.80000°,λ93.76000°. Principal axes: T 5.9502,Plg75.0000°,Azm132.0000°; N 0.6470,Plg3.0000°,Azm30.0000°; P -6.5972,Plg15.0000°,Azm299.0000° M_o6.30000×10^{15}
GUC Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 29 08 26 43.4–1.8 36.43S–.05 74.28W–.08 12–12 39 1-5
SJA IX 29 08 26 45.3–.48 36.77S 74.41W 15–4 3.5W,3.1L **¶624897588**
GUC IX 29 08 26 49.9–.66 36.69S 74.17W 21–3 3.3L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=6.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0. Presumed earthquake.
ISC IX 27 07 21 39.9–1.4 36.95S–.03 74.10W–.04 16–8 4.4b 192 1-174
SJA IX 27 07 21 30.1–.57 37.12S 74.74W 17–4 4.5W,4.4L **¶621110613**
IDC IX 27 07 21 39.1–.94 36.78S 73.99W 0 4.1b,4.1
NEIC IX 27 07 21 39.4–.80 36.89S–.04 74.12W–.04 10–1 4.4b,4.2L
VAO IX 27 07 21 39.7–.89 36.95S 74.06W 10 4.6b,4.2L
GUC IX 27 07 21 40.3–.63 36.93S 74.13W 34–3 4.2L,4.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=5.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=24.6km s-min=14.3km az=99.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=17.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=6.4km s-min=11.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.1km s-min=5.1km az=-1.0. Presumed earthquake.
SJA X 02 20 47 51.9–.60 36.83S 74.77W 9 3.8W,3.5L
¶625829654
SJA Event type se. Error ellipse: s-maj=2.2km s-min=12.2km az=-1.0. Presumed earthquake.
ISC X 02 13 52 06.6–1.5 31.55S–.03 72.30W–.06 20–4 87 1-4
SJA X 02 13 52 08.7–.75 31.68S 72.39W 40–9 4.2W,3.8L **¶625233365**
GUC X 02 13 52 11.2–.86 31.65S 71.90W 38–3 3.6L,3.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=8.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.7km az=-1.0. Presumed earthquake.
ISC X 02 14 13 13.2–1.5 31.69S–.02 72.47W–.06 18–7 71 1-5
SJA X 02 14 13 17.2–.64 31.65S 72.69W 40 3.8W,3.4L **¶625233366**
GUC X 02 14 13 21.0–.76 31.69S 72.09W 39–3 3.4L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=7.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.0km az=-1.0. Presumed earthquake.
ISC X 03 08 38 37.6–.61 36.91S–.04 74.09W–.06 35 4.1b 91 2-178
SJA X 03 08 38 32.6–.58 36.86S 74.33W 32–8 4.0W,3.8L **¶621186122**
NEIC X 03 08 38 33.9–1.4 36.91S–.05 74.13W–.08 10–1 4.3b,4.3
IDC X 03 08 38 35.5–1.3 36.85S 73.84W 0 3.6L,3.5
GUC X 03 08 38 38.7–.79 36.74S 73.81W 23–16 3.9L,3.5
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=8.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.6km az=61.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.6km s-min=12.4km az=75.0.
GUC Event type se. Error ellipse: s-maj=4.8km s-min=5.6km az=-1.0. Presumed earthquake.
ISC X 04 12 36 16.9–.34 31.65S–.02 72.05W–.04 20–3 4.9b,4.2s 433 1-174
SJA X 04 12 36 10.7–.64 31.65S 72.50W 12 5.1L,4.7W **¶621118319**
IDC X 04 12 36 14.0–.48 31.66S 71.94W 0 4.7b,4.7
VAO X 04 12 36 14.9–.38 31.58S 72.07W 10 4.9b,4.7
NEIC X 04 12 36 15.5 31.69S 72.09W 10 4.9b,4.7
NEIC X 04 12 36 16.4–1.0 31.69S–.04 72.11W–.06 16–3 5.0b,4.9
GUC X 04 12 36 17.3–.77 31.69S 71.98W 40–6 4.9L,4.9
GFZ X 04 12 36 19.3 31.69S 71.87W 30 4.8W,4.9
GFZ X 04 12 36 19.3–.14 32S–2.0 72W–3.0 30 5.6b,5.3L
GCMT X 04 12 36 21.2–.40 31.72S–.02 72.15W–.03 30–1 5.1W,5.3L
ISC Event type se.
SJA Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.97 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.12 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.42 NP1:ϕ_s5.84000°,δ34.29000°,λ101.62000°. NP2:ϕ_s171.86000°,δ56.51000°,λ82.18000°. Principal axes: T 1.0621,Plg77.0000°,Azm57.0000°; N 0.1312,Plg7.0000°,Azm176.0000°; P -1.1933,Plg11.0000°,Azm267.0000° M_o1.13000×10^{16}
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.37 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-1.82 $M_{r\theta}$0.27 $M_{\theta\phi}$0.01 $M_{\phi r}$-1.15 NP1: ϕ_s169.95085°,δ63.63903°,λ79.23220°. NP2:ϕ_s13.13652°,δ28.32894°,λ110.65694°. Principal axes: T 1.7842,Plg69.4547°,Azm57.8379°; N 0.4119,Plg9.6368°,Azm174.7777° ; P -2.1961,Plg17.9658°,Azm267.9339° M_o2.02185×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110041236A. Moment Tensor Solution. s28,c30; s61,c77; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.37±.28 $M_{\theta\theta}$-0.56±.15; $M_{\phi\phi}$-3.81±.18; $M_{r\theta}$0.38±.19; $M_{\theta\phi}$0.85±.09; $M_{\phi r}$-2.33±.23; Best double couple: NP1:ϕ_s344.00000°,δ30.00000°,λ87.00000°. NP2:ϕ_s168.00000°,δ60.00000°,λ92.00000°. Principal axes:

T 4.9910,Plg75.0000°,Azm84.0000°; N -0.3550,Plg2.0000°,Azm347.0000° ; P -4.6370,Plg15.0000°,Azm257.0000° $M_0$4.81400×10^{16}

ISC X 03 09 38 20.1–2.1 36.92S–.04 74.5W–.10 10 34 2-5
SJA X 03 09 38 12.0–.49 37.03S 74.83W 7 3.5L,3.5W **¶625233383**
GUC X 03 09 38 23.9–.30 37.12S 74.03W 9–6 3.7L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=5.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0. Presumed earthquake.
ISC X 04 12 42 22.4–1.5 31.70S–.02 72.09W–.04 7–9 4.3b 127 1-152
SJA X 04 12 42 21.0–.74 31.72S 72.33W 16–4 4.1L,4.1W **¶621120418**
IDC X 04 12 42 22.2–.80 31.70S 72.35W 0 4.0L,4.0
GUC X 04 12 42 24.3–1.0 31.71S 71.93W 27–13 4.1L,4.0
NEIC X 04 12 42 24.3–1.2 31.71S–.03 72.11W–.07 18–4 4.4b,4.1L
NEIC X 04 12 42 24.4 31.70S 72.06W 17 4.4b,4.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=5.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=19.5km s-min=17.7km az=59.0.
GUC Event type se. Error ellipse: s-maj=4.5km s-min=8.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.8km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.08 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.11 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.15 $M_{\phi r}$-0.23 NP1:ϕ_s347.86000°,δ39.48000°,λ82.51000°. NP2:ϕ_s177.54000°,δ50.92000° ,λ96.13000°. Principal axes: T 1.1091,Plg83.0000°,Azm123.0000°; N 0.0413,Plg5.0000° ,Azm354.0000°; P -1.1504,Plg6.0000°,Azm263.0000° $M_0$1.13000×10^{15}
NEIC Event type se.
ISC X 10 04 40 11.0–1.5 30.10S–.04 72.19W–.08 25 44 1-5
SJA X 10 04 40 07.8–1.4 30.11S 72.36W 10 3.5L,3.3W **¶621256350**
GUC X 10 04 40 11.9–.52 30.16S 72.17W 33–4 3.5L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.5km s-min=11.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=8.5km az=-1.0. Presumed earthquake.
ISC X 04 10 58 29.7–1.4 31.65S–.02 72.13W–.05 18–6 98 1-5
SJA X 04 10 58 27.5–.61 31.72S 72.46W 15 4.1L,4.1W **¶621256315**
GUC X 04 10 58 31.5–.87 31.69S 72.12W 37–5 4.0L,4.1W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=5.6km az=-1.0. Presumed earthquake.
ISC X 13 17 00 13.2–1.7 36.96S–.03 74.21W–.09 10 31 1-5
SJA X 13 17 00 06.8–.49 36.84S 74.79W 15 3.6W,3.2L **¶625233594**
GUC X 13 17 00 17.3–.61 37.05S 73.97W 23–3 3.3L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=6.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.2km az=-1.0. Presumed earthquake.
ISC X 12 18 01 51.1–1.5 29.40S–.02 72.00W–.04 4–9 4.1b 127 1-154
SJA X 12 18 01 48.5–.67 29.33S 72.34W 14 4.0L,4.0W **¶621146466**
IDC X 12 18 01 51.9–.77 29.47S 72.00W 0 3.8L,3.8b
NEIC X 12 18 01 52.8–1.3 29.40S–.03 71.94W–.02 10–1 4.4b,4.0L
GUC X 12 18 01 55.4–.96 29.49S 71.73W 36–4 4.0L,4.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.9km s-min=12.5km az=56.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.9km az=38.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=4.9km az=-1.0. Presumed earthquake.
ISC X 13 10 23 20.5–1.7 36.93S–.04 74.20W–.09 35 36 1-5
SJA X 13 10 23 17.1–.60 36.89S 74.17W 23–3 3.6W,3.3L **¶625233588**
GUC X 13 10 23 19.6–.36 36.91S 74.10W 32–3 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=7.0km az=-1.0. Presumed earthquake.
ISC X 16 18 34 37.0–1.6 36.95S–.03 74.10W–.05 5–10 4.4b 136 1-93
SJA X 16 18 34 34.8–.71 36.84S 74.33W 24–4 4.3W,4.0L **¶621204778**
NEIC X 16 18 34 37.9–1.9 36.90S–.05 74.07W–.05 10–1 4.4b,3.9L
IDC X 16 18 34 38.2–.78 36.79S 73.82W 0 4.2b,4.1
GUC X 16 18 34 39.4–.59 37.01S 74.00W 26–3 4.0L,4.1
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=5.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.3km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=11.2km az=97.0.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=5.0km az=-1.0. Presumed earthquake.
ISC X 16 03 37 22.2–2.2 31.68S–.03 72.09W–.05 10–13 4.5b,3.6s 128 1-164
SJA X 16 03 37 17.7–1.1 31.80S 72.55W 24–10 4.5L,4.2W **¶621204538**
IDC X 16 03 37 20.9–.64 31.64S 72.08W 0 4.3b,4.1
NEIC X 16 03 37 24.0–1.5 31.69S–.03 72.00W–.06 18–2 4.5b,4.2L
NEIC X 16 03 37 24 31.67S 72.04W 20 4.5b,4.2L
GUC X 16 03 37 24.5–.83 31.69S 71.94W 39–3 4.2L,4.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=9.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.0km s-min=15.0km az=95.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.4km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.67 $M_{\theta\theta}$0.21 $M_{\phi\phi}$-1.89 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.06 $M_{\phi r}$-0.59 NP1:ϕ_s13.58000°,δ37.10000°,λ108.64000°. NP2:ϕ_s170.65000°,δ55.14000° ,λ76.41000°. Principal axes: T 1.8331,Plg75.0000°,Azm39.0000°; N 0.1492,Plg11.0000° ,Azm179.0000°; P -1.9823,Plg9.0000°,Azm270.0000° $M_0$1.91000×10^{15}
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=4.5km az=-1.0. Presumed earthquake.
ISC X 16 18 44 60.0–1.5 31.65S–.02 72.04W–.04 1–9 4.7b,4.0s 282 1-174
SJA X 16 18 44 59.7–.75 31.73S 72.27W 20–17 5.0L,4.7W **¶621204776**
VAO X 16 18 44 59.1–.55 31.65S 72.31W 10 4.6b,4.7W
IDC X 16 18 45 00.6–.61 31.66S 72.07W 0 4.7b,4.5
NEIC X 16 18 45 01.4–1.9 31.71S–.01 72.04W–.06 10–1 4.7b,4.5
NEIC X 16 18 45 01.7 31.70S 72.03W 10 4.7b,4.5
GFZ X 16 18 45 02.9–.22 32S–1.0 72W–4.0 10 5.6b,5.1
GUC X 16 18 45 03.9–.60 31.71S 71.92W 31–3 4.4L,5.1
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.4km s-min=15.9km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=4.8km s-min=6.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.9km s-min=14.7km az=105.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=2.9km az=276.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.21 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-4.30 $M_{r\theta}$0.36 $M_{\theta\phi}$0.01 $M_{\phi r}$-2.16 NP1:ϕ_s4.28000°,δ31.71000°,λ97.42000°. NP2:ϕ_s175.58000°,δ58.59000° ,λ85.44000°. Principal axes: T 4.7466,Plg76.0000°,Azm72.0000°; N 0.0691,Plg4.0000° ,Azm178.0000°; P -4.8157,Plg13.0000°,Azm269.0000° $M_0$4.78000×10^{15}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0. Presumed earthquake.
ISC X 17 12 31 22.1–1.6 31.70S–.02 72.21W–.07 11–11 63 1-5
SJA X 17 12 31 22.2–.77 31.69S 72.46W 25–11 3.6W,3.3L **¶625233726**
GUC X 17 12 31 26.8–.61 31.72S 72.01W 29–4 3.2L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=9.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=7.4km az=-1.0. Presumed earthquake.
ISC X 16 20 14 44.9–2.1 31.67S–.03 72.11W–.05 11–13 4.2b 124 1-152
IDC X 16 20 14 43.0–.87 31.56S 72.39W 0 3.9b,3.9 **¶621204782**
SJA X 16 20 14 43.7–.79 31.73S 72.19W 12–4 4.0L,3.9W
GUC X 16 20 14 45.7–.62 31.67S 72.15W 31–3 4.0L,3.9W
NEIC X 16 20 14 46.5–1.6 31.67S–.03 72.05W–.07 16–6 4.1b,4.0L
NEIC X 16 20 14 46.7 31.67S 72.04W 18 4.1b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=17.7km az=102.0.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=5.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=5.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.5km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}7.04 $M_{\theta\theta}$1.27 $M_{\phi\phi}$-8.31 $M_{r\theta}$1.04 $M_{\theta\phi}$0.52 $M_{\phi r}$-3.69 NP1:ϕ_s4.72000°,δ32.49000°,λ102.29000°. NP2:ϕ_s170.24000°,δ58.34000° ,λ82.28000°. Principal axes: T 8.0070,Plg75.0000°,Azm58.0000°; N 1.1986,Plg7.0000° ,Azm174.0000°; P -9.2056,Plg13.0000°,Azm266.0000° $M_0$8.67000×10^{14}
NEIC Event type se.
ISC XI 06 01 21 46.2–2.9 37.30S–.06 75.4W–.20 35 21 2-5
GUC XI 06 01 21 48.2–.68 37.35S 75.09W 25 3.8L **¶625536920**
SJA XI 06 01 21 50.3–3.9 37.40S 74.85W 84–104 3.5W,3.3L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=11.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=12.2km s-min=40.0km az=-1.0. Presumed earthquake.
ISC X 19 00 03 31.3–1.4 31.65S–.02 72.07W–.04 6–8 4.5b,3.4s 149 1-155
IDC X 19 00 03 30.9–.70 31.66S 72.14W 0 4.4b,4.3 **¶621211180**
NEIC X 19 00 03 32 31.66S 72.08W 8 4.4b,4.3
NEIC X 19 00 03 33.7–1.8 31.65S–.03 72.01W–.07 20–1 4.6b,4.5
SJA X 19 00 03 33.6–.81 31.70S 72.04W 17–6 4.6L,4.5W
GUC X 19 00 03 34.8–.82 31.69S 71.92W 38–5 4.5L,4.5W
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=15.5km az=105.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=3.7km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.95 $M_{\theta\theta}$0.43 $M_{\phi\phi}$-2.38 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.07 $M_{\phi r}$-0.90 NP1:ϕ_s167.94000°,δ57.77000°,λ73.60000°. NP2:ϕ_s16.84000°,δ35.76000° ,λ114.13000°. Principal axes: T 2.2456,Plg72.0000°,Azm38.0000°; N 0.3104,Plg14.0000° ,Azm177.0000°; P -2.5560,Plg11.0000°,Azm270.0000° $M_0$2.42000×10^{15}
SJA Event type se. Error ellipse: s-maj=1.7km s-min=5.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=5.4km az=-1.0. Presumed earthquake.
ISC X 19 00 10 50.7–1.5 31.68S–.03 72.14W–.08 35 59 1-4
SJA X 19 00 10 47.4–.63 31.67S 72.30W 39–4 3.9W,3.7L **¶625233769**
GUC X 19 00 10 50.0–.90 31.71S 71.90W 33–3 3.6L,3.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.0km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.3km az=-1.0. Presumed earthquake.
ISC X 27 18 58 29.4–2.9 30.43S–.05 72.2W–.10 5–11 22 1-2
GUC X 27 18 58 28.8–.68 30.39S 72.14W 48–5 2.5L **¶625230272**
SJA X 27 18 58 29.2–.27 31.97S 69.75W 85 3.3W,2.6L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=5.1km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=4.8km az=-1.0. Presumed earthquake.
ISC X 18 06 57 47.2–2.8 37.46S–.04 74.5W–.10 7–17 29 1-4
SJA X 18 06 57 44.7–.74 37.33S 74.75W 17–3 3.6W,3.3L **¶625233749**
GUC X 18 06 57 50.7–.58 37.44S 74.44W 28–5 3.4L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=5.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.8km s-min=4.8km az=-1.0. Presumed earthquake.
ISC X 19 11 31 04.1–1.4 32.35S–.02 72.01W–.06 13–11 69 1-4
SJA X 19 11 31 03.0–.75 32.38S 72.13W 10–2 3.6L,3.4W **¶621256392**
GUC X 19 11 31 07.3–.91 32.35S 71.85W 31–4 3.6L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.0km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.3km az=-1.0. Presumed earthquake.
ISC XI 01 13 43 44.0–1.6 31.33S–.02 72.02W–.05 6–11 134 1-9
SJA XI 01 13 43 44.4–.77 31.29S 72.15W 30 4.1W,3.9L **¶621246745**
NEIC XI 01 13 43 45.8–1.6 31.33S–.01 71.93W–.06 12–7 4.0L,4.0L
GUC XI 01 13 43 47.4–.73 31.33S 71.83W 43–1 4.0L,4.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=1.6km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=3.0km az=-1.0. Presumed earthquake.
ISC X 30 23 02 40.2–1.6 35.14S–.03 73.04W–.05 6–10 3.9b 121 1-156
SJA X 30 23 02 38.6–2.0 35.10S 73.20W 17–13 3.9L,3.8W **¶621395206**
IDC X 30 23 02 40.7–.95 35.07S 72.63W 0 3.9b,3.8L
NEIC X 30 23 02 41.3–1.3 35.18S–.03 73.00W–.04 13–5 4.1b,3.9L
GUC X 30 23 02 43.0–.70 35.20S 72.97W 24–2 3.9L,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=7.3km s-min=13.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=22.1km s-min=11.7km az=104.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=4.2km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0. Presumed earthquake.
ISC XI 11 09 00 07.2–1.6 39.36S–.03 74.86W–.05 11–9 4.3b,3.6s 114 1-175
SJA XI 11 09 00 05.5–.50 39.16S 74.95W 5 3.3L,3.1W **¶621394927**
IDC XI 11 09 00 06.4–.95 39.24S 75.22W 0 3.9b,3.8
NEIC XI 11 09 00 07.0–2.8 39.30S–.06 75.17W–.04 10–1 4.3b,3.9L
GFZ XI 11 09 00 07.8–.30 39S–3.0 75W–5.0 10 5.0b,4.5b
GUC XI 11 09 00 09.4–.76 39.36S 74.80W 10–14 3.6L,4.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=5.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=19.3km s-min=16.2km az=45.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=3.9km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.5km s-min=5.4km az=97.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=3.7km s-min=15.3km az=-1.0. Presumed earthquake.
ISC XI 06 08 35 08.2–3.6 38.72S–.06 75.2W–.10 24–26 22 1-4
SJA XI 06 08 35 03.4–.72 38.76S 75.51W 27–16 3.4W,3.1L **¶625536931**
GUC XI 06 08 35 10.8–.55 38.73S 74.99W 30 3.4L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.6km s-min=17.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=4.3km s-min=5.9km az=-1.0. Presumed earthquake.
ISC XI 08 06 16 27.4–.65 34.02S–.03 73.38W–.03 12–3 5.0b,3.9s 518 1-177
SJA XI 08 06 16 26.7–.71 34.01S 73.50W 40–14 4.6W,4.4L **¶621372564**
IDC XI 08 06 16 26.2–.39 34.01S 73.45W 0 4.8L,4.8b
NEIC XI 08 06 16 27.3 33.99S 73.34W 10 4.8L,4.8b
NEIC XI 08 06 16 27.3–.91 33.99S–.04 73.34W–.06 10–1 5.1b,4.8L
GFZ XI 08 06 16 28.9 34.09S 73.30W 10 4.8W,4.8L
GFZ XI 08 06 16 29.2–.23 34S–2.0 73W–3.0 10 5.5b,5.2L
VAO XI 08 06 16 29.0–.39 34.02S 73.13W 10 4.9b,5.2L
GUC XI 08 06 16 30.5–.68 34.04S 73.15W 36–2 4.8L,5.2L
GCMT XI 08 06 16 32.5–.20 34.06S–.02 73.48W–.03 17–0 5.0W,5.2L
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.46 $M_{\theta\theta}$0.79 $M_{\phi\phi}$0.67 $M_{r\theta}$0.34 $M_{\theta\phi}$0.53 $M_{\phi r}$0.32 NP1:ϕ_s48.53000°,δ35.66000°,λ-89.37000°. NP2:ϕ_s227.76000°,δ54.34000° ,λ-90.45000°. Principal axes: T 1.3428,Plg9.0000°,Azm318.0000°; N 0.1911,Plg0.0000° ,Azm228.0000°; P -1.5339,Plg81.0000°,Azm136.0000° $M_0$1.45000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.49 $M_{\theta\theta}$1.15 $M_{\phi\phi}$1.34 $M_{r\theta}$0.22 $M_{\theta\phi}$0.99 $M_{\phi r}$-0.12 NP1: ϕ_s227.38174°,δ45.95768°,λ-82.88026°. NP2:ϕ_s37.19594°,δ44.49727°,λ-97.30308°. Principal axes: T 2.2385,Plg0.7331°,Azm312.3534°; N 0.2717,Plg5.1115°,Azm42.4190° ; P -2.5102,Plg84.8359°,Azm214.2139° $M_0$2.38599×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111080616A. Moment Tensor Solution. s39,c49; s104,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.63±.16 $M_{\theta\theta}$1.81±.10; $M_{\phi\phi}$1.82±.11; $M_{r\theta}$1.60±.26; $M_{\theta\phi}$1.57±.06; $M_{\phi r}$0.97±.24; Best double couple: NP1:ϕ_s39.00000°,δ32.00000°

,λ-100.00000°. NP2:ϕ_s231.00000°,δ59.00000°,λ-84.00000°. Principal axes:
T 3.8290,Plg14.0000°,Azm317.0000°; N 0.2860,Plg5.0000°,Azm48.0000°
; P -4.1150,Plg75.0000°,Azm158.0000° $M_0$3.97200×10^{16}

ISC XI 16 17 05 16.3–1.9 36.84S–.03 74.14W–.04 2–13 3.8b 95 1-71
SJA XI 16 17 05 15.6–.55 36.85S 74.24W 30–4 4.1W,3.7L **¶621412346**
NEIC XI 16 17 05 16.6–1.2 36.85S–.06 74.18W–.05 9–6 4.1b,3.9L
IDC XI 16 17 05 17.8–1.1 36.77S 73.86W 0 3.7,3.6L
GUC XI 16 17 05 18.5–.57 37.05S 74.05W 12–15 3.8L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=7.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.5km az=167.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=11.4km az=81.0.
GUC Event type se. Error ellipse: s-maj=5.4km s-min=11.6km az=-1.0. Presumed earthquake.

ISC XI 13 00 24 01.0–1.3 33.89S–.03 72.06W–.05 26–11 53 0-5
SJA XI 13 00 23 58.3–.73 33.86S 72.13W 29–2 3.8W,3.6L **¶621822639**
GUC XI 13 00 24 01.2–.58 33.86S 72.07W 28–3 3.4L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=2.6km az=-1.0. Presumed earthquake.

ISC XI 13 00 51 01.5–1.5 33.84S–.04 72.08W–.07 22–13 30 0-5
SJA XI 13 00 51 00.0 33.85S 72.16W 10 3.1L **¶625537096**
GUC XI 13 00 51 01.5–.71 33.83S 72.10W 33–6 2.8L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=3.9km az=-1.0. Presumed earthquake.

ISC XI 28 08 49 02.1–1.4 32.37S–.02 72.04W–.05 4–10 66 1-5
SJA XI 28 08 49 00.8–.76 32.35S 72.45W 10–4 3.5L,3.2W **¶621823653**
GUC XI 28 08 49 07.7–.80 32.39S 71.78W 25–9 3.1L,3.2W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=6.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=4.4km az=-1.0. Presumed earthquake.

ISC XI 24 16 16 55.3–2.1 35.35S–.04 74.21W–.09 3–15 44 2-5
SJA XI 24 16 16 58.8–.64 35.32S 74.07W 37 3.4W,3.3L **¶625537345**
GUC XI 24 16 17 00.7–.79 35.37S 73.99W 15–10 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=5.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.5km s-min=10.2km az=-1.0. Presumed earthquake.

ISC XII 05 12 48 32.7–2.2 32.73S–.06 72.16W–.05 15–13 4.0b 35 1-156
IDC XII 05 12 48 30.8–.95 32.68S 72.27W 0 4.0b,3.8 **¶621631253**
GUC XII 05 12 48 34.3–.75 32.72S 72.09W 38–3 3.9L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=16.2km az=140.0.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=3.8km az=-1.0. Presumed earthquake.

ISC XI 29 00 42 53.0–1.4 38.47S–.03 74.01W–.09 30–7 38 0-5
SJA XI 29 00 42 49.2–1.1 38.38S 74.27W 31–18 3.9W,3.5L **¶625537418**
GUC XI 29 00 42 54.1–.72 38.45S 73.89W 29–2 3.4L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=18.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0. Presumed earthquake.

ISC XII 11 00 55 07.6–2.8 30.41S–.05 72.91W–.04 7–18 4.0b 98 1-151
NEIC XII 11 00 55 10.0–1.9 30.39S–.04 72.75W–.04 10–1 4.1b,3.8L **¶621644157**
GUC XII 11 00 55 11.6–.40 30.33S 72.73W 22–4 3.8L,3.8L
IDC XII 11 00 55 11.1–.91 30.30S 72.82W 0 4.1L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.9km az=23.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=8.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.0km s-min=16.4km az=63.0.

ISC XII 12 13 18 05.3–1.7 32.51S–.04 72.05W–.08 30–12 48 1-5
SJA XII 12 13 18 03.6–.72 32.54S 72.16W 40–2 3.8W,3.7L **¶625752850**
GUC XII 12 13 18 05.7–.86 32.50S 71.93W 50–3 3.5L,3.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=3.7km az=-1.0. Presumed earthquake.

ISC XII 11 07 02 14.7–1.8 37.24S–.04 74.12W–.09 15–10 38 1-5
SJA XII 11 07 02 15.7–.58 37.18S 74.11W 43–8 3.4L,3.3W **¶625752785**
GUC XII 11 07 02 19.2–.76 37.36S 73.78W 29–5 3.6L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=7.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.0km s-min=8.9km az=-1.0. Presumed earthquake.

ISC XII 26 01 41 39.2–1.8 32.88S–.03 73.36W–.09 35 79 1-5
SJA XII 26 01 41 37.0–.47 32.83S 73.37W 39 3.4W,3.3L **¶625753138**
GUC XII 26 01 41 41.0–.65 32.97S 73.03W 27–2 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=3.2km az=-1.0. Presumed earthquake.

ISC XII 18 22 15 59.9–2.9 37.93S–.04 75.2W–.20 35 23 2-5
SJA XII 18 22 15 58.0–.98 37.90S 75.30W 40 3.2W,3.0L **¶625752982**
GUC XII 18 22 16 02.7–.60 37.88S 74.81W 16–10 3.5L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=9.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=5.7km s-min=12.3km az=-1.0. Presumed earthquake.

ISC XII 24 07 45 13.3–4.1 37.79S–.04 75.22W–.06 4–26 4.4b 105 1-152
IDC XII 24 07 45 13.6–.85 37.68S 75.53W 0 4.0b,4.0 **¶621652228**
SJA XII 24 07 45 13.5–1.0 37.81S 75.31W 56–10 3.8L,3.5W
NEIC XII 24 07 45 14.3–2.0 37.77S–.01 75.3W–.10 10–1 4.5b,4.1L
GUC XII 24 07 45 16.9–.68 37.76S 75.11W 34–4 4.1L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=14.8km az=64.0.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=7.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=2.9km az=275.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=6.0km az=-1.0. Presumed earthquake.

ISC XII 12 17 03 25.0–.91 33.91S–.03 72.15W–.06 21–4 57 1-154
IDC XII 12 17 03 21.2–1.9 33.97S 72.39W 0 4.0L,3.9b **¶621650524**
SJA XII 12 17 03 23.0–.72 33.88S 72.18W 10 3.9W,3.8L
GUC XII 12 17 03 25.8–.87 33.93S 72.08W 36–4 3.6L,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=87.2km s-min=17.6km az=88.0.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0. Presumed earthquake.

ISC XII 30 04 06 46.3–.77 37.76S–.04 74.27W–.07 10 3.8b 77 1-72
SJA XII 30 04 06 37.4–.54 37.64S 75.26W 15 4.3W,4.2L **¶621657281**
NEIC XII 30 04 06 45.3–.80 37.74S–.04 74.4W–.20 10–1 4.1b,3.5L
IDC XII 30 04 06 46.4–1.4 37.77S 74.35W 0 3.6L,3.6s
GUC XII 30 04 06 49.1–.60 37.79S 74.05W 22–4 3.7L,3.6s
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=10.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=7.2km az=276.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.2km s-min=15.0km az=56.0.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=5.4km az=-1.0. Presumed earthquake.

(135) Near coast of central Chile.

ISC VII 01 17 49 26.0–1.2 32.32S–.02 71.71W–.03 12–8 4.0b 177 0-153
IDC VII 01 17 49 23.9–1.1 32.23S 71.61W 0 3.9L,3.9b **¶620714061**
NEIC VII 01 17 49 27.6–1.4 32.30S–.01 71.71W–.06 21–7 4.0L,3.8b
SJA VII 01 17 49 27.1–.72 32.43S 71.89W 62–7 4.1W,4.0L
GUC VII 01 17 49 28.2–.95 32.32S 71.50W 39–3 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=23.3km az=98.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=0.9km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0. Presumed earthquake.

ISC VII 02 06 31 43.5–1.3 29.82S–.03 71.32W–.05 47–9 74 0-5
SJA VII 02 06 31 42.0–1.7 29.83S 71.27W 46–20 3.5L,3.4W **¶620969477**
GUC VII 02 06 31 43.1–.63 29.84S 71.23W 58–2 3.7L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.2km s-min=9.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0. Presumed earthquake.

ISC VII 03 00 50 24.5–1.6 32.18S–.03 71.98W–.08 10–12 40 1-5
SJA VII 03 00 50 22.1–.99 32.23S 72.44W 30 3.7W,3.6L **¶620969484**
GUC VII 03 00 50 27.4–.79 32.14S 71.84W 24–16 3.2L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=13.9km s-min=17.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=4.5km az=-1.0. Presumed earthquake.

ISC VII 03 09 57 07.6–1.6 31.03S–.02 71.55W–.04 20–4 79 0-5
SJA VII 03 09 57 01.0–.67 30.98S 72.13W 11 3.5L,3.2W **¶624631754**
GUC VII 03 09 57 06.9–.67 31.05S 71.64W 36–2 3.4L,3.2W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=6.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0. Presumed earthquake.

ISC VII 04 01 01 34.8–.46 28.76S–.02 71.67W–.03 13–2 5.6b,5.5s 966 1-177
IDC VII 04 01 01 33.9–.32 28.80S 71.36W 0 5.7s,5.2b **¶620733495**
PTWC VII 04 01 01 33 28.70S 71.90W 10 5.7,5.2b
GFZ VII 04 01 01 34.2–.19 29S–1.0 72W–3.0 10 5.8b,5.7
BJI VII 04 01 01 34.1 28.21S 72.27W 10 6.0s,6.0
VAO VII 04 01 01 35.0–.38 28.73S 71.39W 10 5.6b,6.0
IPGP VII 04 01 01 35.0 28.76S 71.65W 28 6.0W,6.0
NEIC VII 04 01 01 35.4 28.75S 71.65W 10 6.0W,6.0
GFZ VII 04 01 01 35.8 28.76S 71.49W 34 5.9W,6.0
MOS VII 04 01 01 36.5–.87 28.42S 71.31W 16 5.8b,5.6s
CATAC VII 04 01 01 36.2–1.1 29S–3.0 71W–7.0 7–6 6.8,6.0b
SJA VII 04 01 01 36.1–1.3 28.80S 71.54W 30–4 5.9L,5.6W
ISC-P VII 04 01 01 37 28.74S 71.51W 44–0 6.2,5.6W
GUC VII 04 01 01 37.0–.76 28.80S 71.57W 25–7 5.8L,5.6W
NEIC VII 04 01 01 37.2 28.73S 71.56W 20 5.8L,5.6W
NEIC VII 04 01 01 37.2 28.73S 71.56W 20 5.8L,5.6W
NEIC VII 04 01 01 37.8–2.6 28.74S–.04 71.51W–.03 24–1 5.9,5.9
GCMT VII 04 01 01 41.9–.10 28.84S–.01 71.74W–.01 30–0 5.9W,5.9
NEIC VII 04 01 01 46.9 28.45S 71.88W 24 5.9,5.9
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=8.7km az=65.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=3.8km s-min=4.8km az=-1.0. Presumed earthquake.
IPGP Moment Tensor Solution. NP1:ϕ_s356.00000°,δ33.00000°,λ102.00000°. NP2:ϕ_s162.00000°
,δ57.00000°,λ82.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}7.08 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-7.39 $M_{r\theta}$1.46 $M_{\theta\phi}$0.23 $M_{\phi r}$-3.57 NP1:
ϕ_s168.71382°,δ58.98613°,λ79.71602°. NP2:ϕ_s8.11336°,δ32.51250°,λ106.53911°.
Principal axes: T 8.1500,Plg73.8668°,Azm51.6937°; N 0.1091,Plg8.8011°,Azm174.0547°
; P -8.2590,Plg13.4120°,Azm266.1705° $M_0$8.20503×10^{17}
MOS Error ellipse: s-maj=11.4km s-min=7.6km az=100.0.
CATAC Error ellipse: s-maj=16.0km s-min=5.4km az=76.3. manual.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=5.7km az=-1.0. Presumed earthquake.
ISC-P Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}0.58±.11 $M_{\theta\theta}$-0.08±.16;
$M_{\phi\phi}$-0.50±.18; $M_{r\theta}$0.30±.14; $M_{\theta\phi}$-0.34±.22; $M_{\phi r}$-0.01±.13; NP1:ϕ_s12.50000°,δ29.90000°
,λ121.00000°. NP2:ϕ_s157.70000°,δ64.70000°,λ73.50000°. $M_0$2.85000×10^{18}
GUC Event type se. Error ellipse: s-maj=1.4km s-min=5.2km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.2km az=352.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.39 $M_{\theta\theta}$0.51 $M_{\phi\phi}$-3.91 $M_{r\theta}$1.44 $M_{\theta\phi}$0.71
$M_{\phi r}$-2.65 NP1:ϕ_s6.64000°,δ27.96000°,λ115.94000°. NP2:ϕ_s157.80000°,δ65.07000°
,λ76.93000°. Principal axes: T 4.5911,Plg67.0000°,Azm43.0000°; N 0.4095,Plg12.0000°
,Azm163.0000°; P -5.0006,Plg19.0000°,Azm258.0000° $M_0$4.81000×10^{17} Moment Tensor
Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.96 $M_{\theta\theta}$1.02 $M_{\phi\phi}$-8.98 $M_{r\theta}$1.17 $M_{\theta\phi}$0.06
$M_{\phi r}$-2.23 NP1:ϕ_s8.79000°,δ38.32000°,λ104.03000°. NP2:ϕ_s171.11000°,δ53.02000°
,λ79.15000°. Principal axes: T 8.4325,Plg79.0000°,Azm39.0000°; N 0.8435,Plg9.0000°
,Azm178.0000°; P -9.2760,Plg7.0000°,Azm269.0000° $M_0$8.88000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. ID: C202107040101A. Moment Tensor Solution.
s158,c331; s170,c523;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.76±.01
$M_{\theta\theta}$0.06±.01; $M_{\phi\phi}$-0.81±.01; $M_{r\theta}$0.20±.01; $M_{\theta\phi}$0.02±.00; $M_{\phi r}$-0.54±.01; Best double couple:
NP1:ϕ_s11.00000°,δ29.00000°,λ111.00000°. NP2:ϕ_s167.00000°,δ63.00000°,λ79.00000°.
Principal axes: T 0.9660,Plg70.0000°,Azm54.0000°; N 0.0240,Plg10.0000°,Azm172.0000°
; P -0.9900,Plg18.0000°,Azm265.0000° $M_0$0.97800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s8 Moment tensor: Scale 10^{17}Nm;
M_{rr}5.94 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-5.13 $M_{r\theta}$0.22 $M_{\theta\phi}$-1.12 $M_{\phi r}$-6.25 NP1:ϕ_s21.66000°,δ22.06000°
,λ107.83000°. NP2:ϕ_s182.52000°,δ69.05000°,λ82.93000°. Principal axes:
T 8.7960,Plg65.0000°,Azm81.0000°; N -0.7345,Plg7.0000°,Azm185.0000°
; P -8.0616,Plg24.0000°,Azm278.0000° $M_0$8.45000×10^{17}

ISC VII 04 01 07 21.3–1.7 28.76S–.04 71.57W–.07 12–13 25 1-5
GUC VII 04 01 07 23.2–.79 28.75S 71.51W 20–6 3.6L **¶624631771**
SJA VII 04 01 07 23.0–.50 28.72S 71.47W 26–3 3.7L,3.4W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.7km s-min=4.4km az=-1.0. Presumed earthquake.

ISC VII 04 01 25 15.7–1.5 28.84S–.02 71.51W–.05 0–11 50 1-4
GUC VII 04 01 25 16.9–.98 28.83S 71.47W 29–5 3.0L **¶624631775**
SJA VII 04 01 25 16.2–.68 28.85S 71.61W 22–2 3.5W,3.3L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=6.0km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Presumed earthquake.

GUC VII 04 01 25 45.8–.46 28.76S 71.45W 21–3 3.0L
¶624631778
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0. Presumed earthquake.

ISC VII 04 01 29 13.0–.48 28.77S–.02 71.61W–.03 10–2 5.7s,5.6b 986 1-177
PTWC VII 04 01 29 11 28.70S 71.80W 10 5.9,5.6b **¶620733496**
NEIC VII 04 01 29 11.5 28.70S 71.83W 7 5.9,5.6b
BJI VII 04 01 29 11.7 28.32S 71.50W 5 6.1s,6.0
VAO VII 04 01 29 12.6–.39 28.70S 71.47W 11 5.6b,6.0
MOS VII 04 01 29 12.9–1.1 28.62S 71.46W 7 5.7s,5.7b
IDC VII 04 01 29 12.3–.33 28.76S 71.40W 0 5.6s,5.1b
GFZ VII 04 01 29 12.4–.20 29S–1.0 72W–3.0 10 5.8,5.8b
GFZ VII 04 01 29 14.0 28.72S 71.52W 22 5.9W,5.8b
NEIC VII 04 01 29 14.1 28.73S 71.63W 10 5.9W,5.8b
NEIC VII 04 01 29 14.1 28.73S 71.63W 10 5.9W,5.8b
GUC VII 04 01 29 15.2–.61 28.77S 71.59W 34–3 5.8L,5.8b
SJA VII 04 01 29 15.3–1.2 28.76S 71.47W 23–7 5.9L,5.9W
NEIC VII 04 01 29 16.0–2.3 28.74S–.03 71.48W–.04 22–1 5.9,5.8
GCMT VII 04 01 29 19.5–.10 28.79S–.01 71.60W–.01 21–0 6.0W,5.8
NEIC VII 04 01 29 24.1 28.50S 71.72W 12 6.0,5.8
ISC Event type se.
NEIC Event type se.
VAO Event type se. Error ellipse: s-maj=3.9km s-min=4.1km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=10.9km s-min=7.1km az=105.4.
IDC Error ellipse: s-maj=13.1km s-min=8.3km az=67.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}6.26 $M_{\theta\theta}$0.52 $M_{\phi\phi}$-6.78 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.12 $M_{\phi r}$-4.75 NP1:
ϕ_s175.08929°,δ63.26167°,λ84.36544°. NP2:ϕ_s7.45761°,δ27.28271°,λ101.02817°.
Principal axes: T 7.8783,Plg71.1884°,Azm72.6560°; N 0.4528,Plg5.0304°,Azm177.6309°
; P -8.3311,Plg18.0777°,Azm269.2774° $M_0$8.11418×10^{17}
NEIC Event type se.
NEIC Event type se.

GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=5.0km s-min=9.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.4km az=300.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.20 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-4.79 $M_{r\theta}$0.55 $M_{\theta\phi}$0.17 $M_{\phi r}$-4.78 NP1:ϕ_s2.88000°,δ21.69000°,λ97.80000°. NP2:ϕ_s174.49000°,δ68.52000°,λ86.91000°. Principal axes: T 6.3010,Plg66.0000°,Azm79.0000°; N 0.5725,Plg3.0000°,Azm176.0000°; P -6.8735,Plg23.0000°,Azm267.0000° $M_0$6.61000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.23 $M_{\theta\theta}$2.03 $M_{\phi\phi}$-7.26 $M_{r\theta}$-0.86 $M_{\theta\phi}$1.08 $M_{\phi r}$-4.48 NP1:ϕ_s334.90000°,δ30.10000°,λ61.40000°. NP2:ϕ_s187.12000°,δ63.88000°,λ105.51000°. Principal axes: T 6.9408,Plg67.0000°,Azm127.0000°; N 1.8113,Plg14.0000°,Azm0.0000°; P -8.7520,Plg17.0000°,Azm266.0000° $M_0$8.00000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107040129A. Moment Tensor Solution. s158,c321; s167,c545;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.79±.01 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$-0.80±.01; $M_{r\theta}$-0.01±.01; $M_{\theta\phi}$-0.06±.01; $M_{\phi r}$-1.10±.02; Best double couple: NP1:ϕ_s7.00000°,δ18.00000°,λ95.00000°. NP2:ϕ_s181.00000°,δ72.00000°,λ88.00000°. Principal axes: T 1.3530,Plg63.0000°,Azm89.0000°; N 0.0170,Plg2.0000°,Azm182.0000°; P -1.3700,Plg27.0000°,Azm273.0000° $M_0$1.36100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s4 Moment tensor: Scale 10^{18}Nm; M_{rr}0.47 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-0.47 $M_{r\theta}$-0.04 $M_{\theta\phi}$-0.14 $M_{\phi r}$-1.24 NP1:ϕ_s28.61000°,δ11.65000°,λ115.24000°. NP2:ϕ_s182.91000°,δ79.48000°,λ84.98000°. Principal axes: T 1.3221,Plg55.0000°,Azm87.0000°; N 0.0157,Plg5.0000°,Azm184.0000°; P -1.3378,Plg34.0000°,Azm277.0000° $M_0$1.33000×10^{18}

ISC	**VII**	**04 01 34 37.2–1.7**	**28.70S–.03**	**71.65W–.07**	**3–11**		**38**	**1-5**	
SJA	VII	04 01 34 38.9–1.4	28.64S	71.67W	10	4.2L,4.0W			**¶624631779**
GUC	VII	04 01 34 42.0–.82	28.75S	71.48W	24–5	4.0L,4.0W			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=4.3km s-min=11.7km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.5km s-min=4.9km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 01 57 39.6–1.6**	**28.74S–.03**	**71.68W–.06**	**8–11**		**43**	**1-5**	
GUC	VII	04 01 57 43.3–.68	28.82S	71.58W	30–3	3.9L			**¶624631791**
SJA	VII	04 01 57 44.5–1.1	28.84S	71.59W	30	3.7W,3.6L			
ISC	Event type se.								
GUC	Event type se. Error ellipse: s-maj=1.2km s-min=2.9km az=-1.0. Presumed earthquake.								
SJA	Event type se. Error ellipse: s-maj=5.4km s-min=10.3km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 02 05 50.0–1.9**	**28.65S–.04**	**71.83W–.08**	**9–13**		**33**	**1-153**	
IDC	VII	04 02 05 52.0–2.0	28.98S	71.90W	0	3.9L,3.6			**¶620927848**
GUC	VII	04 02 05 56.8–.74	28.76S	71.49W	22–4	3.6L,3.6			
SJA	VII	04 02 05 56.0–1.2	28.72S	71.47W	12	3.8L,3.5W			
ISC	Event type se.								
IDC	Error ellipse: s-maj=40.3km s-min=14.8km az=55.0.								
GUC	Event type se. Error ellipse: s-maj=1.4km s-min=6.2km az=-1.0. Presumed earthquake.								
SJA	Event type se. Error ellipse: s-maj=9.6km s-min=16.6km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 02 08 27.3–1.8**	**28.84S–.03**	**71.65W–.08**	**6–11**		**28**	**1-153**	
IDC	VII	04 02 08 25.7–1.3	28.95S	71.81W	0	3.6L,3.6			**¶624631792**
GUC	VII	04 02 08 29.4–.74	28.84S	71.59W	28–3	3.8L,3.6			
ISC	Event type se.								
IDC	Error ellipse: s-maj=27.8km s-min=14.5km az=61.0.								
GUC	Event type se. Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 02 17 53.8–1.7**	**28.72S–.03**	**71.64W–.08**	**12–11**		**36**	**1-5**	
SJA	VII	04 02 17 53.6–1.0	28.72S	71.74W	30	4.0L,3.8W			**¶624631800**
GUC	VII	04 02 17 56.2–.88	28.74S	71.54W	28–8	3.1L,3.8W			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=3.9km s-min=8.0km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 02 18 28.7–1.1**	**28.84S–.04**	**71.52W–.08**	**31**		**19**	**1-153**	
IDC	VII	04 02 18 23.9–2.2	28.86S	71.67W	0	3.8L,3.6			**¶620927850**
GUC	VII	04 02 18 28.3–.76	28.83S	71.58W	25–5	3.7L,3.6			
ISC	Event type se.								
IDC	Error ellipse: s-maj=43.5km s-min=41.0km az=57.0.								
GUC	Event type se. Error ellipse: s-maj=2.0km s-min=4.9km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 02 28 55.4–1.7**	**28.78S–.03**	**71.66W–.07**	**8–11**		**34**	**1-5**	
SJA	VII	04 02 28 56.2–1.8	28.68S	71.72W	30	3.8L,3.8W			**¶624631805**
GUC	VII	04 02 28 58.8–.83	28.78S	71.51W	26–12	3.6L,3.8W			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=5.7km s-min=14.8km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 02 57 47.4–.64**	**28.73S–.02**	**71.57W–.03**	**19–2**	**4.7b**	**227**	**1-168**	
IDC	VII	04 02 57 45.3–.50	28.84S	71.47W	0	4.3L,4.3b			**¶620733499**
GFZ	VII	04 02 57 46.3–.36	29S–2.0	72W–5.0	10	4.9b,4.9			
VAO	VII	04 02 57 47.0–.75	28.68S	71.54W	10	4.6b,4.9			
NEIC	VII	04 02 57 47.9	28.77S	71.56W	19	4.6b,4.9			
SJA	VII	04 02 57 47.0–1.5	28.79S	71.56W	25–5	4.7L,4.6W			
NEIC	VII	04 02 57 47.8–2.0	28.77S–.02	71.57W–.07	19–3	4.8b,4.6			
GUC	VII	04 02 57 48.6–.53	28.76S	71.57W	35–4	4.4L,4.6			
ISC	Event type se.								
IDC	Error ellipse: s-maj=16.4km s-min=11.7km az=85.0.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
VAO	Event type se. Error ellipse: s-maj=7.0km s-min=7.1km az=-1.0. Presumed earthquake.								
NEIC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=3.5km s-min=6.4km az=-1.0. Presumed earthquake.								
NEIC	Event type se. Error ellipse: s-maj=9.3km s-min=2.2km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.35 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-4.66 $M_{r\theta}$1.24 $M_{\theta\phi}$0.89 $M_{\phi r}$-4.95 NP1:ϕ_s354.02000°,δ21.09000°,λ96.67000°. NP2:ϕ_s166.88000°,δ69.06000°,λ87.44000°. Principal axes: T 6.6405,Plg66.0000°,Azm72.0000°; N 0.4506,Plg2.0000°,Azm168.0000°; P -7.0911,Plg24.0000°,Azm259.0000° $M_0$6.88000×10^{15}								
GUC	Event type se. Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 03 07 37.7–1.7**	**28.73S–.03**	**71.68W–.05**	**0–10**	**4.4b**	**114**	**1-168**	
IDC	VII	04 03 07 38.6–.68	28.63S	71.46W	0	4.0b,3.9			**¶620733500**
GFZ	VII	04 03 07 39.1–.40	29S–2.0	72W–6.0	10	4.4b,4.4			
NEIC	VII	04 03 07 40.3–2.2	28.80S–.03	71.61W–.05	10–1	4.5b,4.1L			
SJA	VII	04 03 07 41.6–1.5	28.64S	71.74W	30	4.1L,4.0W			
GUC	VII	04 03 07 42.3–.71	28.79S	71.53W	32–6	4.1L,4.0W			
ISC	Event type se.								
IDC	Error ellipse: s-maj=20.1km s-min=11.2km az=62.0.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=7.1km s-min=4.5km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
SJA	Event type se. Error ellipse: s-maj=12.8km s-min=36.6km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 03 09 17.9–1.2**	**28.82S–.04**	**71.3W–.10**	**10**		**14**	**1-153**	
GUC	VII	04 03 09 17.5–.78	28.79S	71.37W	15–16	3.3L			**¶620927854**
IDC	VII	04 03 09 27.5–2.2	28.43S	71.01W	0	3.8L,3.8			
ISC	Event type se.								
GUC	Event type se. Error ellipse: s-maj=2.5km s-min=7.6km az=-1.0. Presumed earthquake.								
IDC	Error ellipse: s-maj=76.6km s-min=14.9km az=65.0.								
ISC	**VII**	**04 03 51 01.8–1.5**	**28.81S–.03**	**71.62W–.06**	**9–9**	**3.8b**	**49**	**1-153**	
IDC	VII	04 03 51 00.4–.95	28.79S	71.82W	0	3.7L,3.7b			**¶620927857**
SJA	VII	04 03 51 01.7–1.1	28.81S	71.60W	22–4	4.0L,4.0W			
GUC	VII	04 03 51 03.2–.75	28.78S	71.59W	27–10	3.9L,4.0W			
ISC	Event type se.								
IDC	Error ellipse: s-maj=23.0km s-min=14.4km az=70.0.								
SJA	Event type se. Error ellipse: s-maj=2.9km s-min=6.3km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 04 03 19.2–1.4**	**28.76S–.03**	**71.71W–.05**	**5–8**	**4.4b**	**170**	**1-154**	
SJA	VII	04 04 03 17.6–1.0	28.72S	71.82W	10	4.3L,4.0W			**¶620733503**
GFZ	VII	04 04 03 19.5–.25	29S–2.0	72W–4.0	10	4.7,4.6b			
NEIC	VII	04 04 03 19	28.72S	71.80W	1	4.7,4.6b			
IDC	VII	04 04 03 19.4–.56	28.63S	71.57W	0	4.1L,4.1b			
NEIC	VII	04 04 03 20.9–2.0	28.78S–.03	71.65W–.04	11–4	4.6b,4.4			
GUC	VII	04 04 03 22.6–.80	28.77S	71.59W	25–14	4.3L,4.4			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=3.9km s-min=7.4km az=-1.0. Presumed earthquake.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se.								
IDC	Error ellipse: s-maj=14.8km s-min=11.0km az=70.0.								
NEIC	Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.80 $M_{\theta\theta}$0.57 $M_{\phi\phi}$-1.37 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.22 $M_{\phi r}$-0.39 NP1:ϕ_s39.44000°,δ50.11000°,λ146.53000°. NP2:ϕ_s152.42000°,δ64.96000°,λ45.06000°. Principal axes: T 1.5408,Plg49.0000°,Azm13.0000°; N -0.1034,Plg40.0000°,Azm175.0000°; P -1.4374,Plg9.0000°,Azm273.0000° $M_0$1.49000×10^{15}								
GUC	Event type se. Error ellipse: s-maj=1.4km s-min=4.5km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 04 08 07.5–.69**	**28.77S–.03**	**71.72W–.05**	**10**	**3.7b**	**58**	**1-153**	
IDC	VII	04 04 08 06.4–.77	28.81S	71.94W	0	3.8,3.7L			**¶620927859**
SJA	VII	04 04 08 07.0–1.9	28.74S	71.66W	20	4.2W,4.1L			
GUC	VII	04 04 08 09.8–.75	28.77S	71.56W	19–5	4.0L,4.1L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=31.0km s-min=14.8km az=66.0.								
SJA	Event type se. Error ellipse: s-maj=6.1km s-min=9.5km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 05 40 01.5–3.1**	**28.80S–.03**	**71.68W–.06**	**4–20**		**59**	**1-153**	
IDC	VII	04 05 40 01.3–1.2	28.82S	71.70W	0	3.6L,3.5			**¶620927861**
SJA	VII	04 05 40 02.6–1.1	28.83S	71.57W	22–5	4.0L,3.8W			
GUC	VII	04 05 40 04.3–.82	28.79S	71.59W	27–11	3.9L,3.8W			
ISC	Event type se.								
IDC	Error ellipse: s-maj=28.8km s-min=13.2km az=54.0.								
SJA	Event type se. Error ellipse: s-maj=2.9km s-min=6.8km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.5km s-min=4.3km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 09 52 49.0–2.7**	**28.75S–.04**	**71.7W–.10**	**5–14**		**24**	**1-4**	
SJA	VII	04 09 52 47.4–.39	28.66S	71.80W	6–11	3.5L,3.4W			**¶620967557**
GUC	VII	04 09 52 51.2–.52	28.77S	71.58W	22–3	3.7L,3.4W			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=1.4km s-min=19.2km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.2km s-min=2.5km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 11 43 43.1–.58**	**28.72S–.03**	**71.68W–.04**	**10**	**4.2b**	**95**	**1-153**	
IDC	VII	04 11 43 42.5–.94	28.70S	71.79W	0	3.9L,3.5b			**¶620733578**
SJA	VII	04 11 43 43.4–1.4	28.69S	71.86W	20	3.8W,3.7L			
NEIC	VII	04 11 43 44.0–1.4	28.74S–.03	71.66W–.06	10–5	4.3b,4.1L			
GUC	VII	04 11 43 45.8–.72	28.75S	71.57W	24–4	4.1L,4.1L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=29.2km s-min=19.7km az=101.0.								
SJA	Event type se. Error ellipse: s-maj=7.0km s-min=15.1km az=-1.0. Presumed earthquake.								
NEIC	Event type se. Error ellipse: s-maj=7.4km s-min=3.7km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GUC	Event type se. Error ellipse: s-maj=1.3km s-min=4.3km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 13 32 04.8–2.4**	**28.76S–.03**	**71.59W–.08**	**8–15**		**37**	**1-4**	
SJA	VII	04 13 32 01.9–.69	28.71S	72.20W	30–15	3.8W,3.4L			**¶624631843**
GUC	VII	04 13 32 06.7–.58	28.85S	71.60W	22–2	3.4L,3.4L			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=3.4km s-min=13.0km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 15 05 25.3–.86**	**28.77S–.02**	**71.72W–.04**	**6–5**	**4.8b,4.0s**	**309**	**1-167**	
SJA	VII	04 15 05 22.9–.55	28.65S	71.95W	8	5.0L,4.8W			**¶620733581**
IDC	VII	04 15 05 24.9–.46	28.68S	71.51W	0	4.4b,4.3L			
VAO	VII	04 15 05 24.9–.42	28.85S	71.69W	10	4.7b,4.3L			
NEIC	VII	04 15 05 26.8	28.76S	71.69W	10	4.7b,4.3L			
GUC	VII	04 15 05 27.9–.84	28.82S	71.47W	30–4	4.6L,4.3L			
GFZ	VII	04 15 05 27.1–.33	29S–2.0	72W–3.0	13–2	5.0,4.8b			
NEIC	VII	04 15 05 28.4–1.6	28.76S–.04	71.62W–.06	21–4	4.7b,4.6			
ISC	Event type se.								
SJA	Event type se. Presumed earthquake.								
VAO	Event type se. Presumed earthquake.								
NEIC	Event type se.								
GUC	Event type se. Presumed earthquake.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.80 $M_{\theta\theta}$1.41 $M_{\phi\phi}$-6.22 $M_{r\theta}$4.83 $M_{\theta\phi}$2.25 $M_{\phi r}$-4.59 NP1:ϕ_s140.17000°,δ71.56000°,λ67.67000°. NP2:ϕ_s12.57000°,δ28.66000°,λ138.73000°. Principal axes: T 8.6836,Plg58.0000°,Azm20.0000°; N 0.6345,Plg21.0000°,Azm148.0000°; P -9.3181,Plg23.0000°,Azm247.0000° $M_0$9.02000×10^{15}								
ISC	**VII**	**04 15 57 07.6–.94**	**28.65S–.02**	**71.67W–.04**	**3–5**	**4.5b,3.7s**	**211**	**1-153**	
SJA	VII	04 15 57 06.1–.59	28.70S	71.75W	6–3	4.4L,4.0W			**¶620733592**
IDC	VII	04 15 57 07.9–.60	28.84S	71.67W	0	4.0b,3.9			
GFZ	VII	04 15 57 08.3–.23	29S–2.0	72W–4.0	10	4.5b,4.5			
NEIC	VII	04 15 57 09.5–1.3	28.75S–.04	71.60W–.04	10–1	4.6b,4.4L			
GUC	VII	04 15 57 11.3–.55	28.77S	71.50W	30–2	4.4L,4.4L			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0. Presumed earthquake.								
IDC	Error ellipse: s-maj=18.0km s-min=11.1km az=58.0.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=7.1km s-min=5.4km az=228.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GUC	Event type se. Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 19 39 21.9–.70**	**28.78S–.03**	**71.70W–.06**	**10**	**3.7b**	**52**	**1-153**	
SJA	VII	04 19 39 20.2–.67	28.65S	72.09W	40–999	4.3L,4.3W			**¶620927902**
IDC	VII	04 19 39 21.1–.76	28.82S	71.66W	0	3.7L,3.7			
GUC	VII	04 19 39 24.0–.80	28.81S	71.62W	34–6	4.0L,3.7			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=3.7km s-min=26.9km az=-1.0. Presumed earthquake.								
IDC	Error ellipse: s-maj=22.1km s-min=13.9km az=70.0.								
GUC	Event type se. Error ellipse: s-maj=1.8km s-min=4.9km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 21 36 17.2–1.6**	**28.77S–.03**	**71.70W–.06**	**7–10**		**55**	**1-5**	
SJA	VII	04 21 36 17.9–.65	28.80S	71.64W	19–2	3.5W,3.4L			**¶620967554**
GUC	VII	04 21 36 20.6–.67	28.79S	71.55W	28–8	3.3L,3.4L			
ISC	Event type se.								
SJA	Event type se. Error ellipse: s-maj=1.7km s-min=3.5km az=-1.0. Presumed earthquake.								
GUC	Event type se. Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 22 11 27.2–1.9**	**28.75S–.03**	**71.70W–.06**	**1–11**		**82**	**1-150**	
IDC	VII	04 22 11 27.1–1.6	28.84S	71.98W	0	3.9L,3.8b			**¶620733778**
SJA	VII	04 22 11 27.7–.67	28.60S	71.80W	20–11	4.0L,4.0W			
NEIC	VII	04 22 11 29.7–1.5	28.77S–.03	71.61W–.06	10–1	4.2b,3.8L			
GUC	VII	04 22 11 31.9–.84	28.77S	71.49W	32–7	3.8L,3.8L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=31.3km s-min=22.1km az=58.0.								
SJA	Event type se. Error ellipse: s-maj=3.3km s-min=9.2km az=-1.0. Presumed earthquake.								
NEIC	Event type se. Error ellipse: s-maj=9.9km s-min=3.2km az=299.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GUC	Event type se. Error ellipse: s-maj=1.4km s-min=4.1km az=-1.0. Presumed earthquake.								
ISC	**VII**	**04 23 40 22.4–.90**	**28.70S–.02**	**71.57W–.04**	**9–5**	**4.5b,3.5s**	**238**	**1-153**	
IDC	VII	04 23 40 22.0–.66	28.48S	71.26W	0	4.2b,4.1			**¶620733770**
GFZ	VII	04 23 40 21.7–.28	29S–2.0	72W–5.0	10	4.8b,4.8			
VAO	VII	04 23 40 22.7–1.0	28.71S	71.54W	10	4.4b,4.8			
NEIC	VII	04 23 40 22.6–2.0	28.70S–.03	71.70W–.05	10–1	4.6b,4.4L			
NEIC	VII	04 23 40 22.9	28.71S	71.65W	10	4.6b,4.4L			
SJA	VII	04 23 40 23.5–.64	28.72S	71.56W	22–2	4.7W,4.5L			
GUC	VII	04 23 40 25.2–.65	28.71S	71.56W	29–7	4.4L,4.5L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=20.2km s-min=14.0km az=87.0.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
VAO	Event type se. Error ellipse: s-maj=8.6km s-min=9.5km az=-1.0. Presumed earthquake.								
NEIC	Event type se. Error ellipse: s-maj=7.0km s-min=5.3km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.11 $M_{\theta\theta}$0.29 $M_{\phi\phi}$-2.41 $M_{r\theta}$0.57 $M_{\theta\phi}$-0.48 $M_{\phi r}$-2.00 NP1:ϕ_s28.74000°,δ28.08000°,λ123.09000°. NP2:ϕ_s172.30000°,δ66.78000°								

,λ73.77000°. Principal axes: T 3.0465,Plg65.0000°,Azm55.0000°; N 0.1323,Plg15.0000° ,Azm179.0000°; P -3.1787,Plg20.0000°,Azm274.0000° $M_0$3.11000×10^{15}

NEIC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 02 16 11.0–1.6**	**28.84S–.03**	**71.58W–.06**	**8–10**	**3.9b**	**47**	**1-153**
IDC	VII	05 02 16 08.6–1.0	28.94S	72.16W	0	3.8b,3.7		¶620927923
SJA	VII	05 02 16 10.9–1.3	28.85S	71.57W	8–9	4.1L,3.6W		
GUC	VII	05 02 16 12.7–.73	28.81S	71.54W	22–4	3.9L,3.6W		

ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=16.2km az=61.0.
SJA Event type se. Error ellipse: s-maj=5.9km s-min=12.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 04 01 21.1–1.4**	**28.69S–.02**	**71.41W–.06**	**12–10**		**39**	**1-5**
SJA	VII	05 04 01 20.4–1.2	28.66S	71.63W	7–11	3.5L,3.2W		¶624631869
GUC	VII	05 04 01 22.8–.73	28.71S	71.60W	38–3	3.4L,3.2W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.3km s-min=16.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=5.4km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 06 06 34.1–2.7**	**28.79S–.03**	**71.63W–.05**	**4–17**	**4.3b**	**120**	**1-153**
IDC	VII	05 06 06 34.5–.68	28.74S	71.38W	0	3.9b,3.9		¶620733788
NEIC	VII	05 06 06 35.2	28.77S	71.71W	12	3.9b,3.9		
NEIC	VII	05 06 06 36.4–1.6	28.79S–.03	71.67W–.06	20–4	4.5b,4.3		
GUC	VII	05 06 06 37.8–.59	28.80S	71.54W	39–2	4.2L,4.3		
SJA	VII	05 06 06 37.1–1.3	28.69S	71.69W	9–17	4.4L,4.1W		

ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=12.3km az=70.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.8km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.64 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-1.62 $M_{r\theta}$0.22 $M_{\theta\phi}$0.04 $M_{\phi r}$0.21 NP1:ϕ_s171.17000°,δ41.91000°,λ78.74000°. NP2:ϕ_s6.15000°,δ49.07000°,λ99.94000°. Principal axes: T 1.6797,Plg82.0000°,Azm334.0000°; N -0.0453,Plg7.0000°,Azm180.0000° ; P -1.6344,Plg4.0000°,Azm89.0000° $M_0$1.66000×10^{15}

GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=6.3km s-min=14.8km az=-1.0. Presumed earthquake.

GUC	**VII**	**05 06 07 14.2–.48**	**28.80S**	**71.49W**	**23–2**	**4.0L**		
								¶624631873

GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 08 24 09.6–1.6**	**28.75S–.02**	**71.79W–.04**	**5–10**	**4.5b,3.7s**	**290**	**1-168**
GFZ	VII	05 08 24 10.7–.78	29S–2.0	72W–4.0	5–6	4.8b,4.8		¶620733795
IDC	VII	05 08 24 10.3–.50	28.76S	71.57W	0	4.3L,4.3b		
SJA	VII	05 08 24 10.9–.70	28.79S	71.72W	20–4	4.6L,4.5W		
VAO	VII	05 08 24 11.8–.59	28.74S	71.73W	14	4.4b,4.5W		
NEIC	VII	05 08 24 11.1	28.74S	71.82W	14	4.4b,4.5W		
NEIC	VII	05 08 24 11.1–1.6	28.76S–.03	71.81W–.05	14–4	4.6,4.5b		
GUC	VII	05 08 24 13.2–.60	28.77S	71.69W	21–4	4.5L,4.5b		

ISC Event type se.
GFZ Error ellipse: s-maj=9.0km s-min=3.4km az=95.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.5km s-min=11.4km az=67.0.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=5.8km s-min=6.1km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.46 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-2.53 $M_{r\theta}$0.60 $M_{\theta\phi}$0.99 $M_{\phi r}$0.39 NP1:ϕ_s144.94000°,δ45.56000°,λ65.89000°. NP2:ϕ_s357.53000°,δ49.33000° ,λ112.62000°. Principal axes: T 2.6766,Plg73.0000°,Azm335.0000°; N 0.1983,Plg17.0000° ,Azm162.0000°; P -2.8749,Plg2.0000°,Azm72.0000° $M_0$2.78000×10^{15}

GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 09 02 40.4–1.3**	**28.75S–.02**	**71.75W–.04**	**7–8**	**4.5b,3.8s**	**262**	**1-168**
VAO	VII	05 09 02 38.4–.86	28.85S	71.97W	10	4.4b,3.8s		¶620733909
SJA	VII	05 09 02 38.5–.62	28.73S	71.87W	8	4.5L,4.2W		
IDC	VII	05 09 02 40.5–.60	28.65S	71.45W	0	4.1b,4.0		
NEIC	VII	05 09 02 40.6	28.77S	71.82W	10	4.1b,4.0		
NEIC	VII	05 09 02 41.0–2.1	28.75S–.04	71.75W–.05	11–2	4.7,4.5b		
GFZ	VII	05 09 02 43.0–.82	29S–2.0	72W–5.0	15–5	4.5b,4.5		
GUC	VII	05 09 02 43.8–.78	28.77S	71.62W	23–6	4.6L,4.5		

ISC Event type se.
VAO Event type se. Error ellipse: s-maj=7.5km s-min=8.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=4.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.0km s-min=10.4km az=58.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.0km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.37 $M_{\theta\theta}$1.30 $M_{\phi\phi}$-4.67 $M_{r\theta}$0.89 $M_{\theta\phi}$0.22 $M_{\phi r}$-2.13 NP1:ϕ_s163.91000°,δ60.83000°,λ73.26000°. NP2:ϕ_s15.60000°,δ33.26000° ,λ117.30000°. Principal axes: T 4.1372,Plg69.0000°,Azm39.0000°; N 1.0933,Plg15.0000° ,Azm172.0000°; P -5.2305,Plg14.0000°,Azm266.0000° $M_0$4.78000×10^{15}
GFZ Error ellipse: s-maj=9.9km s-min=4.1km az=91.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=6.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 09 30 50.7–1.4**	**28.76S–.02**	**71.82W–.04**	**0–9**	**4.2b,3.5s**	**130**	**1-153**
IDC	VII	05 09 30 51.8–.75	28.80S	71.62W	0	3.7L,3.7b		¶620733912
SJA	VII	05 09 30 51.7–.71	28.77S	71.75W	13–2	4.1L,4.0W		
NEIC	VII	05 09 30 53.2–1.9	28.79S–.02	71.67W–.05	10–1	4.4b,4.1L		
GUC	VII	05 09 30 55.0–.70	28.76S	71.65W	27–11	4.2L,4.1L		

ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=11.1km az=68.0.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=3.7km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=5.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 09 42 05.2–1.6**	**28.75S–.03**	**71.58W–.06**	**13–11**		**32**	**1-5**
SJA	VII	05 09 42 01.2–.62	28.67S	72.38W	40	3.9W,3.6L		¶624631878
GUC	VII	05 09 42 07.1–.46	28.77S	71.67W	26–8	3.3L,3.6L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=5.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 11 07 21.3–1.8**	**28.73S–.04**	**71.76W–.07**	**3–13**		**43**	**1-6**
GUC	VII	05 11 07 20.9–.74	28.65S	71.90W	28–13	3.7L		¶624631883
SJA	VII	05 11 07 20.7–1.5	28.71S	71.75W	7–7	3.6L,3.4W		

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=4.8km s-min=10.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=4.7km s-min=8.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 11 58 23.7–.92**	**28.76S–.02**	**71.71W–.04**	**7–5**	**4.5b,4.1s**	**221**	**1-173**
SJA	VII	05 11 58 23.4–1.3	28.76S	71.80W	10–27	4.8L,4.2W		¶620734178
NEIC	VII	05 11 58 24.2	28.77S	71.78W	10	4.8L,4.2W		
NEIC	VII	05 11 58 24.5–1.4	28.78S–.03	71.75W–.05	10–1	4.9,4.6		
VAO	VII	05 11 58 25.0–.52	28.78S	71.63W	10	4.4b,4.6		
GUC	VII	05 11 58 26.2–.75	28.79S	71.67W	35–2	4.4L,4.6		
GFZ	VII	05 11 58 26.1–1.0	29S–2.0	72W–6.0	17–7	4.7b,4.7		
IDC	VII	05 11 58 26.8–3.3	28.79S	71.55W	19–20	4.1L,4.1b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=11.0km s-min=33.3km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.9km az=265.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}8.69 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$-8.69 $M_{r\theta}$2.78 $M_{\theta\phi}$3.03 $M_{\phi r}$-2.46 NP1:ϕ_s355.09000°,δ36.76000°,λ110.02000°. NP2:ϕ_s150.64000°,δ55.78000° ,λ75.65000°. Principal axes: T 9.6397,Plg75.0000°,Azm19.0000°; N 0.5465,Plg12.0000° ,Azm159.0000°; P -10.1861,Plg10.0000°,Azm251.0000° $M_0$9.92000×10^{15}

VAO Event type se. Error ellipse: s-maj=4.5km s-min=6.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=13.1km s-min=4.1km az=92.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.4km s-min=10.5km az=76.0.

ISC	**VII**	**05 12 06 08.7–1.5**	**28.70S–.03**	**71.79W–.05**	**10–9**		**66**	**1-153**
SJA	VII	05 12 06 05.6–1.2	28.74S	71.88W	11	4.0L,3.7W		¶620927961
GUC	VII	05 12 06 10.2–.75	28.75S	71.69W	24–5	3.8L,3.7W		
IDC	VII	05 12 06 14.6–4.1	28.78S	71.85W	48–36	3.7L,3.5		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=5.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=53.2km s-min=20.2km az=74.0.

ISC	**VII**	**05 13 12 30.9–1.6**	**28.76S–.02**	**71.69W–.05**	**5–11**		**75**	**1-6**
SJA	VII	05 13 12 31.0–.56	28.80S	71.70W	12–2	3.8L,3.6W		¶620967565
GUC	VII	05 13 12 34.6–.75	28.82S	71.53W	33–2	3.8L,3.6W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 13 57 29.8–1.6**	**28.76S–.02**	**71.81W–.05**	**0–11**		**77**	**1-7**
NEIC	VII	05 13 57 30.9–1.4	28.70S–.05	71.88W–.06	10–2	4.0L,3.7L		¶620734180
SJA	VII	05 13 57 32.7–.62	28.77S	71.63W	12–4	3.7L,3.6W		
GUC	VII	05 13 57 33.7–.72	28.76S	71.67W	25–13	4.0L,3.6W		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.1km az=312.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=5.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**05 21 08 51.4–1.8**	**28.72S–.04**	**71.92W–.09**	**35**		**43**	**1-7**
SJA	VII	05 21 08 47.9–1.5	28.77S	72.05W	33–33	3.8L,3.6W		¶624631897
GUC	VII	05 21 08 50.7–.79	28.79S	71.53W	20–6	3.3L,3.6W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=9.4km s-min=27.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0. Presumed earthquake.

ISC	**VII**	**06 09 38 50.1–1.8**	**28.81S–.02**	**71.59W–.05**	**9–13**		**70**	**1-5**
SJA	VII	06 09 38 47.3–.62	28.71S	71.86W	11	3.9L,3.5W		¶624631916
GUC	VII	06 09 38 53.2–.60	28.82S	71.49W	33–2	3.6L,3.5W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0. Presumed earthquake.

ISC	**VII**	**06 09 48 18.1–1.4**	**28.69S–.02**	**71.68W–.05**	**5–10**		**63**	**1-4**
SJA	VII	06 09 48 19.0–.66	28.77S	71.74W	15–2	3.7W,3.6L		¶620967576
GUC	VII	06 09 48 21.3–.59	28.76S	71.65W	33–2	3.6L,3.6L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0. Presumed earthquake.

GUC	**VII**	**06 11 49 59.3–.36**	**28.79S**	**71.41W**	**19–8**	**2.6L**		
								¶624631917

GUC Event type se. Error ellipse: s-maj=1.6km s-min=7.7km az=-1.0. Presumed earthquake.

ISC	**VII**	**07 01 21 20.9–1.4**	**28.71S–.03**	**71.67W–.05**	**12–10**		**67**	**1-5**
SJA	VII	07 01 21 20.7–.66	28.76S	71.61W	23–2	3.6W,3.4L		¶624631932
GUC	VII	07 01 21 23.7–.86	28.77S	71.40W	18–13	3.3L,3.4L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.4km az=-1.0. Presumed earthquake.

ISC	**VII**	**08 03 49 58.9–1.6**	**28.86S–.02**	**71.68W–.06**	**5–11**		**58**	**1-5**
SJA	VII	08 03 49 59.0–.71	28.86S	71.69W	22–3	3.6W,3.5L		¶624631952
GUC	VII	08 03 50 01.3–.72	28.85S	71.57W	20–7	3.3L,3.5L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=5.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**08 17 56 25.0–.39**	**34.75S–.03**	**71.90W–.04**	**43–3**	**4.7b,3.7s**	**334**	**0-173**
SJA	VII	08 17 56 22.9–.70	34.70S	71.95W	20–2	4.7L,4.6W		¶620780025
GUC	VII	08 17 56 25.9–.92	34.77S	71.84W	41–1	4.9L,4.6W		
NEIC	VII	08 17 56 25.3–2.3	34.74S–.03	71.89W–.06	38–5	4.8,4.8b		
IDC	VII	08 17 56 25.6–.45	34.72S	71.73W	40–3	4.6L,4.5		
NEIC	VII	08 17 56 25.3	34.74S	71.89W	42	4.6L,4.5		
GFZ	VII	08 17 56 25.4–.20	35S–2.0	72W–4.0	40–2	5.1,4.8b		
VAO	VII	08 17 56 29.2–1.1	34.80S	71.51W	86–13	4.7b,4.8b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.6km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.70 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-6.30 $M_{r\theta}$1.61 $M_{\theta\phi}$0.28 $M_{\phi r}$-4.75 NP1:ϕ_s9.64000°,δ26.63000°,λ110.60000°. NP2:ϕ_s166.83000°,δ65.19000° ,λ79.99000°. Principal axes: T 7.6431,Plg68.0000°,Azm57.0000°; N 0.3861,Plg9.0000° ,Azm171.0000°; P -8.0292,Plg20.0000°,Azm264.0000° $M_0$7.84000×10^{15}
IDC Error ellipse: s-maj=14.2km s-min=11.4km az=101.0.
NEIC Event type se.
GFZ Error ellipse: s-maj=8.6km s-min=3.7km az=93.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
VAO Event type se. Error ellipse: s-maj=8.0km s-min=8.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**08 20 38 31.2–.44**	**28.74S–.02**	**71.59W–.03**	**16–2**	**5.3b,5.1s**	**671**	**1-176**
VAO	VII	08 20 38 28.6–.32	28.91S	71.66W	10	5.3b,5.1s		¶620783810
SJA	VII	08 20 38 28.4–.65	28.68S	71.94W	14	5.5L,5.3W		
IDC	VII	08 20 38 30.0–.35	28.70S	71.41W	0	4.9s,4.8L		
MOS	VII	08 20 38 30.5–.94	28.64S	71.48W	13	5.5b,4.8L		
GFZ	VII	08 20 38 31.3–.32	29S–1.0	72W–3.0	30–3	5.5b,5.4		
GFZ	VII	08 20 38 31.1	28.62S	71.75W	37	5.4W,5.4		
NEIC	VII	08 20 38 32.5	28.75S	71.62W	20	5.4W,5.4		
NEIC	VII	08 20 38 32.9	28.75S	71.61W	14	5.4,5.4		
NEIC	VII	08 20 38 32.6	28.75S	71.61W	21	5.4,5.4		
NEIC	VII	08 20 38 32.5–2.5	28.75S–.03	71.60W–.06	20–2	5.4b,5.4		
GUC	VII	08 20 38 33.5–.83	28.75S	71.53W	35–5	5.4L,5.4		
GCMT	VII	08 20 38 38.2–.10	28.88S–.01	71.68W–.01	33–0	5.5W,5.4		

ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.16 $M_{r\theta}$0.30 $M_{\theta\phi}$0.07 $M_{\phi r}$-1.00 NP1: ϕ_s167.48277°,δ66.58390°,λ81.97637°. NP2:ϕ_s7.01257°,δ24.67920°,λ107.86440°. Principal axes: T 1.5142,Plg67.4474°,Azm62.5703°; N 0.0478,Plg7.3590°,Azm170.6891° ; P -1.5619,Plg21.1930°,Azm263.5594° $M_0$1.53859×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.76 $M_{\theta\phi}$0.13 $M_{\phi r}$-1.16 NP1:ϕ_s8.68000°,δ13.10000° ,λ129.73000°. NP2:ϕ_s148.20000°,δ79.96000°,λ81.54000°. Principal axes: T 1.4918,Plg54.0000°,Azm48.0000°; N 0.0020,Plg8.0000°,Azm150.0000° ; P -1.4938,Plg34.0000°,Azm245.0000° $M_0$1.49000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.80 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.87 $M_{r\theta}$0.25 $M_{\theta\phi}$0.28 $M_{\phi r}$-0.54 NP1:ϕ_s158.49000°,δ62.22000°,λ83.31000°. NP2:ϕ_s352.63000°,δ28.51000° ,λ102.48000°. Principal axes: T 0.9839,Plg72.0000°,Azm53.0000°; N 0.1393,Plg6.0000° ,Azm162.0000°; P -1.1232,Plg17.0000°,Azm253.0000° $M_0$1.06000×10^{17}
GUC Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107082038A. Moment Tensor Solution. s127,c191; s141,c252;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.42±.03 $M_{\theta\theta}$0.09±.02; $M_{\phi\phi}$-1.51±.02; $M_{r\theta}$0.54±.02; $M_{\theta\phi}$0.26±.01; $M_{\phi r}$-1.37±.04; Best double couple: NP1:ϕ_s2.00000° ,δ24.00000°,λ108.00000°. NP2:ϕ_s162.00000°,δ68.00000°,λ82.00000°. Principal axes: T 2.0500,Plg67.0000°,Azm58.0000°; N 0.0910,Plg7.0000°,Azm165.0000° ; P -2.1380,Plg22.0000°,Azm258.0000° $M_0$2.09400×10^{17}

ISC	**VII**	**08 23 42 51.3–1.3**	**28.75S–.02**	**71.60W–.04**	**10–8**	**4.3b**	**140**	**1-153**
SJA	VII	08 23 42 46.1–.65	28.65S	72.12W	9	4.4L,4.0W		¶620786355
IDC	VII	08 23 42 50.4–.77	28.59S	71.45W	0	4.2b,4.0		

NEIC VII 08 23 42 51.4–1.9 28.73S–.03 71.68W–.04 10–1 4.4b,4.1L
GUC VII 08 23 42 53.5–.89 28.76S 71.42W 33–4 4.2L,4.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.3km s-min=12.5km az=79.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=2.9km az=305.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VII 09 02 07 50.2–1.4 28.81S–.02 71.72W–.04 2–9 4.2b 117 1-150
IDC VII 09 02 07 50.3–.77 28.86S 71.75W 0 3.9L,3.7 **¶620928217**
SJA VII 09 02 07 51.3–.83 28.82S 71.62W 14–2 4.2L,4.1W
NEIC VII 09 02 07 52.0–1.8 28.82S–.02 71.64W–.04 10–1 4.4b,4.3L
GUC VII 09 02 07 53.7–.90 28.82S 71.44W 23–4 4.3L,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=15.4km az=79.0.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=2.9km az=68.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VII 09 11 16 16.5–1.5 28.80S–.03 71.58W–.07 14–10 36 1-6
GUC VII 09 11 16 19.6–.88 28.87S 71.43W 27–4 3.2L **¶624631978**
SJA VII 09 11 16 20.2–.99 28.80S 71.74W 40 3.6W,3.4L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=8.2km az=-1.0. Presumed earthquake.
ISC VII 12 01 41 20.3–1.5 28.77S–.02 71.68W–.05 3–10 58 1-150
SJA VII 12 01 41 17.2–.58 28.73S 71.86W 5–3 3.7L,3.4W **¶620928456**
IDC VII 12 01 41 18.7–2.0 29.10S 71.69W 0 4.2b,3.6
GUC VII 12 01 41 23.4–.80 28.88S 71.49W 33–2 3.7L,3.6
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=34.2km s-min=14.1km az=59.0.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0. Presumed earthquake.
GUC VII 12 02 04 52.7–.78 34.03S 72.25W 31–7 3.5L
¶620967647
GUC Event type se. Error ellipse: s-maj=2.5km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VII 12 09 39 04.6–.79 28.80S–.03 71.64W–.05 31 76 1-150
IDC VII 12 09 39 02.0–1.3 28.85S 71.81W 0 3.7L,3.7b **¶620928478**
SJA VII 12 09 39 03.4–.74 28.85S 71.60W 14–3 3.9L,3.9W
GUC VII 12 09 39 05.2–.81 28.84S 71.46W 28–3 4.0L,3.9W
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=18.1km az=69.0.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=4.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Presumed earthquake.
GUC VII 12 15 04 12.1–.49 34.64S 71.48W 64–1 3.5L
¶620967643
GUC Event type se. Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0. Presumed earthquake.
ISC VII 12 16 39 30.2–1.6 29.52S–.03 71.31W–.05 2–12 35 0-3
SJA VII 12 16 39 33.8–1.2 29.62S 71.12W 5–7 3.6L,3.4W **¶624632049**
GUC VII 12 16 39 33.9–.81 29.60S 71.25W 51–2 3.6L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.6km s-min=8.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0. Presumed earthquake.
ISC VII 13 22 17 40.1–1.5 28.77S–.03 71.47W–.05 5–10 4.2b 74 1-153
IDC VII 13 22 17 38.9–1.2 28.74S 71.48W 0 3.8L,3.7b **¶620823836**
SJA VII 13 22 17 41.8–1.5 28.79S 71.33W 10–8 3.7L,3.6W
GUC VII 13 22 17 43.8–.76 28.79S 71.37W 39–4 4.1L,3.6W
NEIC VII 13 22 17 43.6–.81 28.79S–.05 71.33W–.06 37–23 4.2b,4.1L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 14 01 57 08.8–1.8 28.73S–.03 71.62W–.05 3–12 59 1-5
SJA VII 14 01 57 08.9–.66 28.75S 71.64W 7–3 3.5L,3.2W **¶624632067**
GUC VII 14 01 57 12.0–.78 28.77S 71.50W 31–3 3.3L,3.2W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=5.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VII 14 07 43 59.6–1.0 29.43S–.02 71.64W–.05 10 67 1-5
SJA VII 14 07 44 00.4–.63 29.42S 71.56W 10–2 3.5L,3.3W **¶624632072**
GUC VII 14 07 44 01.8–.77 29.46S 71.55W 32–2 3.7L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0. Presumed earthquake.
ISC VII 14 20 32 32.8–.88 29.18S–.03 71.37W–.05 58–7 4.2b 79 1-153
SJA VII 14 20 32 32.2–1.0 29.18S 71.35W 50–15 3.8L,3.8W **¶620831302**
NEIC VII 14 20 32 33.2–.68 29.18S–.04 71.3W–.10 59–7 4.5b,4.0L
GUC VII 14 20 32 33.5–.90 29.24S 71.14W 56–4 4.0L,4.0L
IDC VII 14 20 32 36.1–4.2 29.24S 71.13W 80–32 3.9,3.6b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=6.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=4.2km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=43.6km s-min=20.0km az=82.0.
ISC VII 15 11 14 52.1–1.5 28.15S–.03 71.33W–.05 7–10 54 1-5
SJA VII 15 11 14 55.1–.61 28.18S 71.09W 24–1 3.5W,3.4L **¶624632083**
GUC VII 15 11 14 56.9–.64 28.19S 71.16W 30–2 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VII 17 13 03 04.7–1.1 30.75S–.02 71.44W–.04 33–4 79 0-5
SJA VII 17 13 03 02.1–.73 30.74S 71.50W 32–2 3.7L,3.7W **¶620967712**
GUC VII 17 13 03 02.3–.82 30.78S 71.39W 50–3 3.7L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VII 18 14 48 15.9–1.4 31.60S–.02 71.86W–.06 9–11 59 1-3
SJA VII 18 14 48 15.0–.64 31.57S 72.19W 34–7 3.6W,3.2L **¶624632124**
GUC VII 18 14 48 17.7–.72 31.62S 71.84W 28–5 3.2L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=7.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=4.9km az=-1.0. Presumed earthquake.
ISC VII 21 15 26 11.7–1.1 30.62S–.03 71.69W–.06 32–7 58 0-4
SJA VII 21 15 26 07.7–2.1 30.58S 71.89W 13–10 3.6L,3.4W **¶624632195**
GUC VII 21 15 26 12.0–.76 30.64S 71.62W 34–1 3.8L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.9km s-min=9.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=3.6km az=-1.0. Presumed earthquake.
ISC VII 22 01 28 22.8–1.2 32.05S–.02 71.31W–.04 47–10 104 0-5
SJA VII 22 01 28 20.6–.73 32.04S 71.39W 42–999 3.7W,3.6L **¶620967796**
GUC VII 22 01 28 22.4–.76 32.05S 71.17W 60–2 3.6L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VII 25 19 12 58.0–1.6 28.71S–.03 71.62W–.06 10–10 4.1b 94 1-168
IDC VII 25 19 12 57.2–.78 28.62S 71.76W 0 3.9b,3.9 **¶620845945**
SJA VII 25 19 12 58.4–1.8 28.65S 71.63W 15–16 4.3L,4.0W
GUC VII 25 19 13 00.8–.79 28.79S 71.39W 28–3 4.4L,4.0W
NEIC VII 25 19 13 01.3–2.0 28.73S–.03 71.8W–.10 35–2 4.4b,4.4L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 26 20 58 05.0–1.2 33.40S–.02 71.82W–.04 30–8 4.6b,3.8s 223 0-176
IDC VII 26 20 58 00.8–.66 33.41S 71.72W 0 4.8L,4.4 **¶620847096**
VAO VII 26 20 58 03.5–.56 33.32S 71.58W 10 4.6b,4.4
SJA VII 26 20 58 03.0–.74 33.48S 71.88W 15–3 5.0L,4.6W
NEIC VII 26 20 58 05.3 33.41S 71.87W 32 5.0L,4.6W
GFZ VII 26 20 58 05.2–.27 33S–2.0 72W–5.0 28 4.8b,4.8
NEIC VII 26 20 58 05.6–1.1 33.40S–.04 71.86W–.06 34–2 4.9,4.7b
GUC VII 26 20 58 06.1–.76 33.44S 71.75W 36–2 4.9L,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=11.0km az=107.0.
VAO Event type se. Error ellipse: s-maj=5.0km s-min=7.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0. Presumed earthquake.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.4km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.56 $M_{\theta\theta}$8.15 $M_{\phi\phi}$-7.59 $M_{r\theta}$-1.62 $M_{\theta\phi}$-1.91 $M_{\phi r}$4.36 NP1:ϕ_s140.35000°,δ82.81000°,λ-28.20000°. NP2:ϕ_s234.19000° ,δ62.04000°,λ-171.85000°. Principal axes: T 8.9158,Plg14.0000°,Azm190.0000° ; N 0.8224,Plg61.0000°,Azm307.0000°; P -9.7383,Plg25.0000°,Azm94.0000° $M_0$9.35000×10^{15}
GUC Event type se. Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0. Presumed earthquake.
ISC VII 29 14 09 22.2–1.5 28.81S–.03 71.61W–.05 10–11 58 1-5
SJA VII 29 14 09 18.9–.68 28.73S 71.89W 13 3.6L,3.6W **¶620968017**
GUC VII 29 14 09 25.1–.75 28.79S 71.50W 30–7 3.4L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=5.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0. Presumed earthquake.
ISC VII 28 14 20 09.6–1.6 38.05S–.02 73.61W–.07 1–11 56 1-5
SJA VII 28 14 20 07.8–.79 37.98S 73.75W 5–7 3.8L,3.5W **¶624632295**
GUC VII 28 14 20 12.5–.67 38.08S 73.66W 20–2 3.8L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=12.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0. Presumed earthquake.
ISC VII 28 06 57 56.1–1.8 28.78S–.03 71.60W–.06 3–12 50 1-5
SJA VII 28 06 57 53.0–.71 28.72S 71.91W 7 3.6L,3.2W **¶624632284**
GUC VII 28 06 58 00.1–.68 28.79S 71.42W 34–4 3.1L,3.2W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=4.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0. Presumed earthquake.
ISC VII 31 12 14 25.4–.48 32.68S–.02 71.80W–.03 28–3 5.1b,4.3s 614 0-173
SJA VII 31 12 14 21.2–.60 32.71S 72.04W 11 5.0L,4.7W **¶620925358**
VAO VII 31 12 14 22.8–.33 32.63S 71.69W 10 5.1b,4.7W
MOS VII 31 12 14 24.2–1.1 32.71S 71.63W 25 5.1b,4.7W
GUC VII 31 12 14 25.4–.91 32.68S 71.79W 35–4 4.9L,4.7W
GFZ VII 31 12 14 25.8–.18 33S–1.0 72W–3.0 24–1 5.2,5.1b
NEIC VII 31 12 14 25.4 32.68S 71.76W 26 5.2,5.1b
NEIC VII 31 12 14 25.4–.87 32.68S–.04 71.76W–.04 26–3 5.1,5.1b
IDC VII 31 12 14 27.9–2.3 32.66S 71.69W 47–20 4.9L,4.9
GCMT VII 31 12 14 31.0–.30 32.75S–.02 71.96W–.03 33–1 5.2W,4.9
ISC Event type se.
SJA Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.25 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.33 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.31 $M_{\phi r}$-1.16 NP1:ϕ_s19.49000°,δ24.97000°,λ103.08000°. NP2:ϕ_s185.11000° ,δ65.72000°,λ83.98000°. Principal axes: T 1.6953,Plg69.0000°,Azm83.0000° ; N 0.1294,Plg5.0000°,Azm188.0000°; P -1.8247,Plg21.0000°,Azm280.0000° $M_0$1.76000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107311214A. Moment Tensor Solution. s43,c46; s58,c73; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.93±.32 $M_{\theta\theta}$1.13±.23; $M_{\phi\phi}$-7.06±.24; $M_{r\theta}$0.35±.26; $M_{\theta\phi}$1.05±.12; $M_{\phi r}$-3.27±.30; Best double couple: NP1:ϕ_s352.00000°,δ32.00000° ,λ89.00000°. NP2:ϕ_s173.00000°,δ58.00000°,λ91.00000°. Principal axes: T 6.7090,Plg77.0000°,Azm85.0000°; N 1.2620,Plg1.0000°,Azm353.0000° ; P -7.9710,Plg13.0000°,Azm263.0000° $M_0$7.34000×10^{16}
ISC VII 29 19 52 32.8–.48 28.85S–.02 71.17W–.04 63–3 4.5b 199 0-153
SJA VII 29 19 52 32.6–.64 28.87S 71.11W 63–2 4.2W,4.1L **¶620882984**
GUC VII 29 19 52 33.4–.69 28.87S 71.05W 77–4 4.1L,4.1L
GFZ VII 29 19 52 33.0–.24 29S–2.0 71W–5.0 62 5.0,4.9b
NEIC VII 29 19 52 33.5–1.6 28.86S–.02 71.2W–.10 70–6 4.4b,4.1L
IDC VII 29 19 52 36.1–.68 28.81S 70.85W 83–5 4.1,3.8b
VAO VII 29 19 54 27.9–4.1 23.50S 62.89W 519–13 3.9b,3.8b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=2.0km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.0km s-min=10.5km az=60.0.
VAO Event type se. Error ellipse: s-maj=29.0km s-min=36.3km az=-1.0. Presumed earthquake.
ISC VII 31 12 29 33.1–1.4 32.74S–.02 71.87W–.05 15–9 86 0-5
SJA VII 31 12 29 31.8–.69 32.78S 72.06W 29–2 3.8W,3.6L **¶620968058**
GUC VII 31 12 29 35.5–.84 32.68S 71.74W 34–4 3.7L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.5km az=-1.0. Presumed earthquake.
ISC VIII 03 05 39 47.0–1.3 29.82S–.03 71.52W–.05 63–9 73 0-5
SJA VIII 03 05 39 46.4–.80 29.83S 71.45W 52–8 3.4W,3.2L **¶624776069**
GUC VIII 03 05 39 47.6–.62 29.87S 71.25W 70–2 3.5L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0. Presumed earthquake.
ISC VIII 04 00 27 08.9–1.4 30.04S–.02 71.81W–.03 4–8 4.6b,3.4s 255 1-169
VAO VIII 04 00 27 06.2–1.8 30.41S 72.09W 10 4.3b,3.4s **¶620965863**
IDC VIII 04 00 27 08.2–.61 29.89S 71.64W 0 4.3L,4.1b
GFZ VIII 04 00 27 09.8–.21 30S–2.0 72W–4.0 10 4.7b,4.7
SJA VIII 04 00 27 09.9–.79 30.01S 71.76W 12–2 4.6L,4.2W
GUC VIII 04 00 27 13.8–.80 30.08S 71.57W 37–2 4.7L,4.2W
NEIC VIII 04 00 27 13.8–1.8 30.07S–.04 71.66W–.04 31–3 4.7L,4.6b
ISC Event type se.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 03 04 30 58.0–1.4 33.69S–.03 71.89W–.05 34–2 56 0-5
SJA VIII 03 04 30 56.4–.80 33.69S 71.88W 43–17 3.0W,2.7L **¶621072461**
GUC VIII 03 04 30 57.6–.89 33.73S 71.82W 47–3 2.8L,2.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0. Presumed earthquake.
ISC VIII 07 08 40 22.5–1.1 32.57S–.02 71.70W–.05 30–11 72 0-3
SJA VIII 07 08 40 21.8–1.1 32.60S 71.70W 31–2 3.4L,3.4W **¶621072506**
GUC VIII 07 08 40 22.5–.68 32.56S 71.73W 36–2 3.5L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=4.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=2.1km az=-1.0. Presumed earthquake.
ISC VIII 05 20 00 10.1–1.6 28.75S–.03 71.49W–.07 23–15 35 1-3
SJA VIII 05 20 00 09.8–.76 28.76S 71.45W 27–2 3.5W,3.3L **¶624776121**
GUC VIII 05 20 00 10.5–.96 28.78S 71.49W 40–2 3.2L,3.3L
ISC Event type se.

SJA Event type se. Error ellipse: s-maj=2.0km s-min=6.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VIII 14 06 10 04.6–1.3 39.88S–.03 73.26W–.05 44–8 37 0-5
GUC VIII 14 06 10 04.9–.74 39.94S 73.19W 41–1 3.1L **¶624776229**
SJA VIII 14 06 10 04.3–.72 39.91S 73.10W 34–4 3.6L,3.4W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=4.6km s-min=4.1km az=-1.0. Presumed earthquake.
ISC VIII 07 14 42 49.8–1.2 32.00S–.02 71.76W–.04 13–9 78 1-4
SJA VIII 07 14 42 50.7–.69 32.06S 71.88W 66–5 3.4W,3.1L **¶621072505**
GUC VIII 07 14 42 51.8–.81 32.03S 71.65W 26–4 3.5L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VIII 09 09 53 53.7–1.7 38.12S–.04 73.98W–.09 16–11 4.0b 77 1-86
NEIC VIII 09 09 53 52.6–1.0 38.13S–.04 74.2W–.20 10–1 4.3b,3.9L **¶620978312**
GFZ VIII 09 09 53 54.3–.37 38S–2.0 74W–5.0 10 4.8b,4.8
GUC VIII 09 09 53 55.8–.72 38.15S 73.88W 25–6 4.1L,4.8
IDC VIII 09 09 53 59.3–1.2 37.91S 72.87W 0 3.6b,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=6.3km az=271.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.7km s-min=5.1km az=95.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.0km s-min=12.5km az=83.0.
ISC VIII 12 04 37 34.4–.54 30.26S–.03 71.59W–.05 40–3 4.3b 123 0-169
NEIC VIII 12 04 37 34.4 30.24S 71.59W 37 4.3b **¶620983374**
IDC VIII 12 04 37 35.0–.62 30.19S 71.37W 39–4 4.0L,4.0
NEIC VIII 12 04 37 34.5–1.4 30.25S–.04 71.59W–.08 38–6 4.3b,4.2L
GUC VIII 12 04 37 34.5–.74 30.29S 71.49W 51–1 4.3L,4.2L
ISC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=14.4km az=81.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.4km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.21 $M_{\theta\theta}$0.43 $M_{\phi\phi}$-1.65 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.26 $M_{\phi r}$-0.31 NP1:ϕ_s35.18000°,δ49.17000°,λ134.72000°. NP2:ϕ_s158.62000°,δ57.48000° ,λ50.85000°. Principal axes: T 1.7435,Plg57.0000°,Azm13.0000°; N -0.0484,Plg32.0000° ,Azm182.0000°; P -1.6951,Plg5.0000°,Azm275.0000° $M_0$1.72000×10^{15}
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VIII 08 23 24 34.6–.66 32.92S–.02 71.30W–.03 50–5 3.9b 151 0-153
IDC VIII 08 23 24 28.0–.74 32.81S 71.43W 0 4.1L,3.9b **¶621002151**
SJA VIII 08 23 24 34.2–.74 32.95S 71.28W 56–4 4.1L,4.1W
GUC VIII 08 23 24 34.7–.78 32.92S 71.26W 58–2 4.2L,4.1W
NEIC VIII 08 23 24 35.1–.62 32.91S–.03 71.25W–.04 53–7 4.1b,4.1W
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC VIII 19 20 35 43.6–.53 28.03S 71.01W 41–1 2.5L
¶624776316
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0. Presumed earthquake.
ISC VIII 16 10 15 13.5–.50 37.38S–.03 73.88W–.05 10 4.6b 120 1-160
IDC VIII 16 10 15 12.8–.69 37.47S 73.57W 0 4.2,4.1b **¶620989836**
NEIC VIII 16 10 15 14.7–2.2 37.32S–.06 73.8W–.10 10–1 4.6b,4.1b
GUC VIII 16 10 15 14.3–.46 37.52S 73.83W 10 4.2L,4.1b
VAO VIII 16 10 15 15.5–.70 37.14S 73.75W 10 4.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=11.2km az=91.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=7.1km az=302.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=6.3km s-min=8.0km az=-1.0. Presumed earthquake.
ISC VIII 17 15 13 44.5–1.4 30.88S–.03 71.38W–.06 50–11 45 0-4
SJA VIII 17 15 13 41.4–.71 30.86S 71.52W 38–3 3.0W,2.6L **¶624776284**
GUC VIII 17 15 13 43.1–.79 30.92S 71.29W 67–4 2.6L,2.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.4km az=-1.0. Presumed earthquake.
ISC VIII 20 06 41 42.8–1.5 37.33S–.05 73.4W–.10 23 10 1-3
SJA VIII 20 06 41 42.6–.64 37.36S 73.42W 42–182 3.2W,3.0L **¶624776323**
GUC VIII 20 06 41 46.6–.48 37.33S 73.10W 18–7 2.9L,3.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=9.5km s-min=11.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=6.0km az=-1.0. Presumed earthquake.
ISC VIII 24 16 07 05.6–1.2 31.67S–.03 71.64W–.06 28–12 51 1-5
SJA VIII 24 16 07 05.0–1.3 31.65S 71.65W 40 3.9L,3.9W **¶624776390**
GUC VIII 24 16 07 06.4–.87 31.66S 71.47W 58–5 3.8L,3.9W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.5km s-min=7.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=5.6km az=-1.0. Presumed earthquake.
ISC VIII 22 00 36 48.9–2.0 30.65S–.03 71.98W–.07 3–12 64 0-5
SJA VIII 22 00 36 47.7–.71 30.59S 72.07W 7–3 3.4L,3.2W **¶624776351**
GUC VIII 22 00 36 52.7–.77 30.69S 71.72W 36–1 3.6L,3.2W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VIII 26 03 47 28.2–1.6 36.56S–.03 73.36W–.09 14–8 45 0-4
SJA VIII 26 03 47 25.6–.59 36.50S 73.50W 22–3 3.6W,3.2L **¶624776419**
GUC VIII 26 03 47 28.2–.73 36.62S 73.36W 25–2 3.3L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=5.0km az=-1.0. Presumed earthquake.
ISC VIII 25 07 57 15.8–1.3 32.35S–.03 71.51W–.05 68–9 82 0-5
GUC VIII 25 07 57 15.9–.74 32.37S 71.45W 74–3 3.5L **¶624776402**
SJA VIII 25 07 57 16.0 32.34S 71.49W 55 3.4L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=2.8km az=-1.0. Presumed earthquake.
SJA Event type se. Presumed earthquake.
ISC VIII 31 13 11 26.5–1.2 29.73S–.02 71.72W–.04 26–9 4.3b 151 0-169
IDC VIII 31 13 11 22.0–.66 29.75S 71.81W 0 3.9L,3.8b **¶621012258**
SJA VIII 31 13 11 27.1–.73 29.74S 71.54W 34–2 4.0L,4.0W
GUC VIII 31 13 11 27.1–.67 29.79S 71.47W 61–3 4.1L,4.0W
NEIC VIII 31 13 11 28.0–1.3 29.74S–.02 71.70W–.07 32–5 4.4b,4.0W
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 00 28 43.3–1.4 31.16S–.02 71.67W–.06 21–5 58 0-5
SJA VIII 27 00 28 41.8–.73 31.11S 71.79W 29–5 3.6W,3.4L **¶624776429**
GUC VIII 27 00 28 44.5–.86 31.16S 71.57W 48–4 3.6L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=5.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=5.1km az=-1.0. Presumed earthquake.
ISC VIII 29 21 23 20.7–1.4 29.74S–.03 71.90W–.05 15–10 64 1-5
SJA VIII 29 21 23 19.9–.75 29.74S 71.97W 14–3 3.7L,3.7W **¶621071729**
GUC VIII 29 21 23 24.6–.76 29.85S 71.72W 45–2 3.5L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.4km az=-1.0. Presumed earthquake.
ISC VIII 30 05 13 29.1–.48 30.57S–.03 71.44W–.04 66–4 4.3b 235 0-151
SJA VIII 30 05 13 28.3–.74 30.55S 71.45W 61–4 4.2L,4.2W **¶621010121**
NEIC VIII 30 05 13 29.8–.90 30.57S–.03 71.39W–.02 69–5 4.2b,4.2W
GFZ VIII 30 05 13 29.7–.21 31S–2.0 71W–5.0 61–2 4.4b,4.4
IDC VIII 30 05 13 29.9–.66 30.55S 71.22W 67–5 4.0,3.9b
GUC VIII 30 05 13 30.0–.71 30.57S 71.30W 71–3 4.5L,3.9b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.6km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.4km s-min=3.7km az=97.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=17.8km s-min=11.0km az=34.0.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0. Presumed earthquake.
ISC IX 04 03 29 48.2–1.2 29.79S–.02 71.28W–.04 42–9 86 0-5
GUC IX 04 03 29 46.4–.80 29.86S 71.18W 64–2 4.1L **¶621309526**
SJA IX 04 03 29 46.2–.80 29.79S 71.28W 34–2 3.9L,3.9W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0. Presumed earthquake.
ISC IX 06 09 55 55.0–1.3 32.36S–.02 71.19W–.04 88–8 97 0-5
SJA IX 06 09 55 53.9–.66 32.36S 71.22W 85–3 3.4L,3.4W **¶624897117**
GUC IX 06 09 55 55.4–.66 32.35S 71.15W 88–4 3.5L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=0.9km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.1km az=-1.0. Presumed earthquake.
ISC IX 05 07 53 52.4–1.5 32.51S–.02 71.95W–.05 10–10 94 1-5
SJA IX 05 07 53 52.3–.70 32.56S 71.96W 18–2 3.6W,3.5L **¶621309534**
GUC IX 05 07 53 54.5–.51 32.49S 71.88W 24–10 3.4L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0. Presumed earthquake.
ISC IX 05 15 05 12.7–1.3 29.99S–.02 71.76W–.04 10–8 4.2b 156 0-151
SJA IX 05 15 05 12.3–1.0 29.93S 72.00W 30 4.2W,4.1L **¶621035623**
GUC IX 05 15 05 15.4–.56 30.02S 71.66W 32–3 4.0L,4.1L
NEIC IX 05 15 05 15.5–1.6 30.02S–.02 71.70W–.06 25–6 4.4b,4.0L
IDC IX 05 15 05 19.5–3.6 30.02S 71.77W 62–31 4.0,3.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=7.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=1.6km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.7km s-min=19.0km az=88.0.
ISC IX 15 04 07 56.0–1.3 31.71S–.02 71.89W–.04 16–8 4.3b 126 1-152
IDC IX 15 04 07 53.9–.63 31.72S 71.99W 0 4.1b,4.0 **¶621073657**
SJA IX 15 04 07 53.3–.70 31.86S 72.27W 22–9 4.5L,4.4W
NEIC IX 15 04 07 54.6–1.3 31.74S–.03 72.02W–.05 10–1 4.4b,4.1L
NEIC IX 15 04 07 55.3 31.71S 72.01W 10 4.4b,4.1L
GUC IX 15 04 07 57.3–.73 31.79S 71.90W 19–2 4.1L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=13.3km az=158.0.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=9.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.0km az=247.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.20 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-1.13 $M_{r\theta}$0.34 $M_{\theta\phi}$-0.07 $M_{\phi r}$-0.91 NP1:ϕ_s14.84000°,δ27.40000°,λ112.94000°. NP2:ϕ_s169.35000° ,δ64.93000°,λ78.58000°. Principal axes: T 1.5857,Plg68.0000°,Azm57.0000° ; N -0.1415,Plg10.0000°,Azm174.0000°; P -1.4442,Plg19.0000°,Azm268.0000° $M_0$1.52000×10^{15}
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=3.4km az=-1.0. Presumed earthquake.
ISC IX 14 03 46 52.8–1.6 31.66S–.02 71.96W–.06 6–11 71 1-4
SJA IX 14 03 46 51.6–.76 31.73S 72.15W 11–4 3.7L,3.7W **¶624897249**
GUC IX 14 03 46 55.2–.72 31.73S 71.95W 26–3 3.7L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0. Presumed earthquake.
SJA IX 06 17 18 32.8–.72 29.58S 71.66W 27–3 3.0W,2.8L
GUC IX 06 17 18 37.0–.74 29.67S 71.37W 64–2 3.0L,2.8L **¶624897124**
SJA Event type se. Error ellipse: s-maj=2.2km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0. Presumed earthquake.
ISC IX 07 06 39 26.5–.90 30.72S–.02 71.86W–.04 27–6 3.9b 160 0-151
IDC IX 07 06 39 22.7–.90 30.67S 71.79W 0 3.8L,3.7b **¶621039548**
SJA IX 07 06 39 22.1–.74 30.69S 72.05W 12–3 4.1L,3.9W
NEIC IX 07 06 39 27.4–1.3 30.71S–.04 71.77W–.05 24–7 4.4L,4.2b
GUC IX 07 06 39 27.4–.64 30.74S 71.69W 35–1 4.4L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=16.6km az=91.0.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.0km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0. Presumed earthquake.
GUC IX 07 08 08 34.0–.78 30.61S 71.66W 28–2 3.7L
¶621309552
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.9km az=-1.0. Presumed earthquake.
ISC IX 13 04 12 27.3–1.3 30.02S–.02 71.98W–.04 8–7 4.6b 242 1-173
SJA IX 13 04 12 25.7–.83 30.11S 72.18W 7–6 4.4L,4.2W **¶621070942**
IDC IX 13 04 12 27.0–.65 29.97S 71.77W 0 4.3L,4.1b
GFZ IX 13 04 12 27.6–.25 30S–2.0 72W–4.0 10 4.8L,4.7b
VAO IX 13 04 12 28.3–1.3 29.92S 71.96W 12 4.4b,4.7b
NEIC IX 13 04 12 28.3 30.03S 72.01W 11 4.4b,4.7b
NEIC IX 13 04 12 28.5–1.7 30.03S–.04 72.00W–.05 11–2 4.6b,4.2
GUC IX 13 04 12 29.0–.46 30.05S 72.07W 33–2 4.6L,4.2
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=7.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=18.5km s-min=11.7km az=54.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=11.7km s-min=10.0km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.1km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.85 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-1.96 $M_{r\theta}$0.10 $M_{\theta\phi}$0.22 $M_{\phi r}$-1.99 NP1:ϕ_s351.22000°,δ21.99000°,λ85.34000°. NP2:ϕ_s176.24000°,δ68.09000° ,λ91.88000°. Principal axes: T 2.6957,Plg67.0000°,Azm90.0000°; N 0.1317,Plg2.0000° ,Azm356.0000°; P -2.8274,Plg23.0000°,Azm265.0000° $M_0$2.76000×10^{15}
GUC Event type se. Error ellipse: s-maj=0.8km s-min=2.1km az=-1.0. Presumed earthquake.
ISC IX 19 16 40 39.7–1.6 34.43S–.03 72.37W–.06 5–10 74 0-5
SJA IX 19 16 40 40.2–.69 34.43S 72.35W 25–2 3.5W,3.2L **¶624897386**
GUC IX 19 16 40 41.8–.85 34.43S 72.36W 28–3 3.3L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0. Presumed earthquake.
ISC IX 19 00 46 18.7–1.4 30.00S–.02 71.82W–.03 6–8 4.8b,3.9s 357 1-173
IDC IX 19 00 46 18.7–.47 30.03S 71.65W 0 4.5b,4.5 **¶621083005**
SJA IX 19 00 46 20.4–1.6 29.95S 71.70W 10–14 4.8L,4.3W
GFZ IX 19 00 46 20.3–.14 30S–1.0 72W–3.0 10 5.5b,5.2L
NEIC IX 19 00 46 22.3–1.5 30.00S–.03 71.66W–.05 20–3 4.8,4.8b
GUC IX 19 00 46 22.3–.86 30.01S 71.66W 36–3 4.8L,4.8b
VAO IX 19 00 46 22.3–1.6 30.13S 71.70W 37–14 4.5b,4.8b
NEIC IX 19 00 46 23.1 30.02S 71.68W 29 4.5b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=11.1km az=62.0.
SJA Event type se. Error ellipse: s-maj=4.8km s-min=12.5km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.0km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.44 $M_{\theta\theta}$3.00 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.42 $M_{\theta\phi}$4.22 $M_{\phi r}$-3.62 NP1:ϕ_s19.05000°,δ71.40000°,λ-138.92000°. NP2:ϕ_s273.52000°,δ51.48000° ,λ-24.05000°. Principal axes: T 6.1638,Plg12.0000°,Azm142.0000°; N 0.1193,Plg46.0000°

,Azm39.0000°; P -6.2831,Plg42.0000°,Azm243.0000° $M_0$6.22000×10^{15}
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=10.7km s-min=7.5km az=-1.0. Presumed earthquake.
NEIC Event type se.
ISC IX 18 12 35 35.0–1.6 28.72S–.02 71.70W–.04 2–10 4.4b,3.4s 131 1-172
SJA IX 18 12 35 33.3–.60 28.66S 71.93W 9 4.5L,4.1W **¶621082976**
IDC IX 18 12 35 35.7–.69 28.77S 71.72W 0 4.1b,4.1
GUC IX 18 12 35 38.6–.71 28.76S 71.48W 31–4 4.3L,4.1
NEIC IX 18 12 35 38.1–1.3 28.69S–.04 71.56W–.09 20–4 4.4b,4.2L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 08 47 27.9–1.2 32.57S–.02 71.73W–.04 17–8 97 0-4
SJA IX 21 08 47 25.4–.71 32.59S 71.79W 15–2 3.4W,3.3L **¶624897426**
GUC IX 21 08 47 27.6–.69 32.52S 71.71W 35–2 3.5L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0. Presumed earthquake.
ISC IX 19 20 24 17.9–2.5 39.61S–.04 73.59W–.07 15–17 21 0-2
SJA IX 19 20 24 17.9–.46 39.64S 73.57W 23–3 3.6L,3.1W **¶624897388**
GUC IX 19 20 24 18.4–.58 39.62S 73.60W 11–1 3.2L,3.1W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.0km s-min=5.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=2.5km az=-1.0. Presumed earthquake.
ISC IX 20 13 12 04.9–.84 36.82S–.03 74.00W–.04 11–4 4.9b,4.3s 280 1-178
SJA IX 20 13 11 47.8–.99 36.56S 75.79W 10 5.0L,4.3W **¶621086510**
NEIC IX 20 13 12 03.7 36.76S 74.00W 5 5.0L,4.3W
NEIC IX 20 13 12 03.7 36.76S 74.00W 5 5.0L,4.3W
NEIC IX 20 13 12 04.4–.78 36.76S–.05 73.98W–.05 10–4 5.1,5.0
IDC IX 20 13 12 04.8–.48 36.76S 73.72W 0 4.5b,4.5
GFZ IX 20 13 12 06.5–.33 37S–2.0 74W–5.0 10 5.4b,5.3
GUC IX 20 13 12 06.7–.67 36.99S 73.89W 10–2 4.4L,5.3
GCMT IX 20 13 12 08.4–.20 36.85S–.02 74.20W–.02 19–0 5.1W,5.3
VAO IX 20 13 12 08.1–.78 36.47S 73.74W 10 4.9b,5.3
GFZ IX 20 13 12 08.4 36.81S 73.64W 10 4.9W,5.3
NEIC IX 20 13 12 12.1 36.76S 74.00W 12 5.1,5.3
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.1km s-min=9.7km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.1km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.62 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-1.62 $M_{r\theta}$-1.41 $M_{\theta\phi}$-0.59 $M_{\theta r}$-4.49 NP1:ϕ_s18.93000°,δ10.00000°,λ91.41000°. NP2:ϕ_s197.50000°,δ80.00000° ,λ89.75000°. Principal axes: T 4.9175,Plg55.0000°,Azm107.0000°; N 0.1943,Plg0.0000° ,Azm198.0000°; P -5.1119,Plg35.0000°,Azm288.0000° $M_0$5.02000×10^{16}
IDC Error ellipse: s-maj=14.3km s-min=8.3km az=89.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.5km az=-1.0. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109201312A. Moment Tensor Solution. s53,c69; s107,c149; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.23±.17 $M_{\theta\theta}$-0.24±.09; $M_{\phi\phi}$-3.99±.12; $M_{r\theta}$-0.75±.19; $M_{\theta\phi}$-0.22±.07; $M_{\phi r}$-4.35±.27; Best double couple: NP1:ϕ_s359.00000° ,δ22.00000°,λ82.00000°. NP2:ϕ_s188.00000°,δ69.00000°,λ93.00000°. Principal axes: T 6.1610,Plg66.0000°,Azm103.0000°; N -0.2510,Plg3.0000°,Azm7.0000° ; P -5.9090,Plg23.0000°,Azm276.0000° $M_0$6.03500×10^{16}
VAO Event type se. Error ellipse: s-maj=10.0km s-min=7.2km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.92 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-2.88 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.26 $M_{\phi r}$-0.28 NP1: ϕ_s183.61453°,δ47.66997°,λ87.88983°. NP2:ϕ_s6.74643°,δ42.37267°,λ92.31482°. Principal axes: T 2.9388,Plg86.9247°,Azm64.5808°; N -0.0193,Plg1.5598°,Azm185.0359° ; P -2.9195,Plg2.6496°,Azm275.1081° $M_0$2.92921×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}2.68 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-2.77 $M_{r\theta}$-0.52 $M_{\theta\phi}$-0.36 $M_{\phi r}$-4.52 NP1:ϕ_s7.44000°,δ15.55000° ,λ90.84000°. NP2:ϕ_s186.57000°,δ74.45000°,λ89.77000°. Principal axes: T 5.2493,Plg61.0000°,Azm96.0000°; N 0.1321,Plg0.0000°,Azm187.0000° ; P -5.3814,Plg29.0000°,Azm277.0000° $M_0$5.32000×10^{16}
ISC IX 21 13 14 32.3–.50 36.77S–.02 73.92W–.03 6–2 6.3s,5.7b 905 2-178
SJA IX 21 13 14 12.0–.33 36.50S 76.04W 10 6.1L,6.1W **¶621094394**
GUC IX 21 13 14 25.0–.49 36.73S 74.93W 10 5.8L,6.1W
IDC IX 21 13 14 30.9–.36 36.77S 73.73W 0 6.2s,5.0b
IPGP IX 21 13 14 30.0 36.79S 74.03W 16 6.5W,5.0b
VAO IX 21 13 14 31.6–1.3 36.67S 73.91W 10 5.6b,5.0b
NEIC IX 21 13 14 31.4 36.78S 74.09W 22 5.6b,5.0b
NEIC IX 21 13 14 31.1 36.79S 73.98W 14 5.6b,5.0b
NEIC IX 21 13 14 32.0–1.4 36.78S–.05 73.93W–.08 19–3 6.6,6.3
GFZ IX 21 13 14 32.9–.19 37S–1.0 74W–3.0 10 6.4b,6.2
GFZ IX 21 13 14 33.0 36.78S 73.71W 10 6.3W,6.2
BJI IX 21 13 14 33.4 36.70S 73.90W 10 6.5s,6.5
PTWC IX 21 13 14 33 36.80S 74.00W 16 6.3,6.5
MOS IX 21 13 14 34.0–1.7 36.71S 73.46W 19 6.4s,5.6b
GCMT IX 21 13 14 45.7–.00 36.82S 74.28W 12 6.4W,5.6b
NEIC IX 21 13 14 53.1 36.78S 74.09W 22 6.4,5.6b
BGR IX 21 13 14 56.7 35.09S 73.32W 33 6.4s,5.6b
OSUNB IX 21 13 15 04.9–1.2 35.83S 72.75W 239–9 6.2b,5.6b
ISC Event type ke.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=14.3km s-min=10.3km az=87.0.
IPGP Moment Tensor Solution. NP1:ϕ_s21.00000°,δ18.00000°,λ113.00000°. NP2:ϕ_s177.00000° ,δ74.00000°,λ83.00000°.
VAO Event type se. Error ellipse: s-maj=15.1km s-min=10.0km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.6km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.13 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-1.25 $M_{r\theta}$0.19 $M_{\theta\phi}$-0.71 $M_{\phi r}$-2.59 NP1:ϕ_s49.99000°,δ19.06000°,λ139.89000°. NP2:ϕ_s178.52000°,δ77.86000° ,λ75.20000°. Principal axes: T 2.8977,Plg55.0000°,Azm70.0000°; N 0.0850,Plg14.0000° ,Azm182.0000°; P -2.9827,Plg31.0000°,Azm281.0000° $M_0$2.94000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.56 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-1.51 $M_{r\theta}$-0.22 $M_{\theta\phi}$-0.29 $M_{\phi r}$-3.69 NP1: ϕ_s183.97989°,δ78.59335°,λ87.31678°. NP2:ϕ_s17.31119°,δ11.71392°,λ103.06327°. Principal axes: T 4.0206,Plg56.3280°,Azm90.5570°; N -0.0145,Plg2.6302°,Azm184.5109° ; P -4.0061,Plg33.5411°,Azm276.2560° $M_0$4.01340×10^{18}
MOS Error ellipse: s-maj=12.5km s-min=7.3km az=90.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109211314A. Moment Tensor Solution. s158,c374; s163,c679;Duration: 3s9 Moment tensor: Scale 10^{18}Nm; M_{rr}2.67±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-2.70±.01; $M_{r\theta}$-0.83±.03; $M_{\theta\phi}$-0.40±.01; $M_{\phi r}$-4.39±.03; Best double couple: NP1:ϕ_s6.00000°,δ16.00000°,λ86.00000°. NP2:ϕ_s190.00000°,δ74.00000°,λ91.00000°. Principal axes: T 5.1860,Plg61.0000°,Azm102.0000°; N 0.0860,Plg1.0000°,Azm10.0000° ; P -5.2690,Plg29.0000°,Azm279.0000° $M_0$5.22700×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 8s5 Moment tensor: Scale 10^{18}Nm; M_{rr}4.35 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-4.04 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.64 $M_{\phi r}$-3.41 NP1:ϕ_s11.27000°,δ25.57000° ,λ93.31000°. NP2:ϕ_s187.60000°,δ64.48000°,λ88.42000°. Principal axes: T 5.5683,Plg70.0000°,Azm94.0000°; N -0.2108,Plg1.0000°,Azm188.0000° ; P -5.3575,Plg19.0000°,Azm279.0000° $M_0$5.47000×10^{18}
BGR Event type ke.
OSUNB Event type ke. Error ellipse: s-maj=5.6km s-min=5.9km az=0.0.
ISC IX 22 08 55 22.5–1.5 38.13S–.03 73.85W–.04 10–9 4.5b 109 0-157
SJA IX 22 08 55 17.8–.56 38.12S 74.14W 8 4.3L,3.9W **¶621106367**
IDC IX 22 08 55 21.7–1.1 38.06S 73.75W 0 4.1b,4.0L
NEIC IX 22 08 55 22.9–2.1 38.15S–.04 73.79W–.08 10–1 4.5,4.5b
GUC IX 22 08 55 23.4–.75 38.14S 73.89W 34–4 4.4L,4.5b
NEIC IX 22 08 55 23.1 38.15S 73.72W 10 4.4L,4.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=5.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=32.8km s-min=16.6km az=85.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.9km az=273.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.84 $M_{\theta\theta}$0.21 $M_{\phi\phi}$-1.05 $M_{r\theta}$0.48 $M_{\theta\phi}$-0.50 $M_{\phi r}$-0.88 NP1:ϕ_s168.77000°,δ69.44000°,λ58.74000°. NP2:ϕ_s48.72000°,δ36.84000° ,λ144.14000°. Principal axes: T 1.5032,Plg55.0000°,Azm40.0000°; N -0.0490,Plg29.0000° ,Azm181.0000°; P -1.4541,Plg19.0000°,Azm282.0000° $M_0$1.48000×10^{15}
GUC Event type se. Error ellipse: s-maj=2.3km s-min=7.4km az=-1.0. Presumed earthquake.
NEIC Event type se.
ISC IX 21 16 02 59.9–1.5 32.28S–.03 71.90W–.07 11–11 43 1-6
SJA IX 21 16 02 56.6–.92 32.31S 72.65W 40 3.7W,3.4L **¶621309634**
GUC IX 21 16 03 03.4–.66 32.25S 71.67W 24–5 3.0L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=8.2km s-min=21.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.8km s-min=2.8km az=-1.0. Presumed earthquake.
ISC IX 21 14 29 03.0–2.1 36.82S–.03 73.99W–.06 16–13 4.2b 69 2-78
SJA IX 21 14 28 58.2–.76 37.10S 74.45W 10 3.8L,3.6W **¶621094402**
NEIC IX 21 14 29 00.8–.77 36.84S–.07 74.3W–.10 10–2 4.2b,4.0L
IDC IX 21 14 29 03.4–1.4 36.65S 73.63W 0 4.0b,3.9
GUC IX 21 14 29 06.3–.66 37.02S 73.90W 11–4 4.0L,3.9
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.6km s-min=12.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.4km az=293.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.2km s-min=12.8km az=84.0.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.7km az=-1.0. Presumed earthquake.
ISC IX 22 16 35 03.8–1.3 38.21S–.03 73.81W–.07 25–11 39 0-5
SJA IX 22 16 35 00.8–.99 38.07S 73.91W 25 4.1W,3.7L **¶624897470**
GUC IX 22 16 35 03.1–.53 38.14S 73.92W 33–2 3.6L,3.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=11.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0. Presumed earthquake.
ISC IX 26 09 50 12.4–.62 29.98S–.02 71.47W–.03 36–1 4.3b 130 0-173
IDC IX 26 09 50 06.6–.79 29.88S 71.61W 0 4.0b,3.9 **¶621110216**
SJA IX 26 09 50 12.8–1.8 30.03S 71.36W 40–251 4.0L,3.8W
GUC IX 26 09 50 13.3–.77 30.04S 71.30W 56–2 4.2L,3.8W
NEIC IX 26 09 50 13.7–1.3 30.01S–.03 71.38W–.03 45–7 4.4b,4.2L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 18 20 42.7–1.4 30.21S–.03 71.37W–.05 52–10 44 0-4
SJA IX 26 18 20 39.5–.75 30.18S 71.48W 40–6 3.0W,2.8L **¶624897546**
GUC IX 26 18 20 40.8–.93 30.23S 71.17W 64–5 2.8L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.8km s-min=3.6km az=-1.0. Presumed earthquake.
ISC IX 27 06 24 50.1–1.2 32.87S–.02 71.04W–.03 58–6 94 0-5
SJA IX 27 06 24 47.7–.79 32.85S 71.05W 67–2 3.2W,2.9L **¶624897556**
GUC IX 27 06 24 48.8–.96 32.84S 71.00W 71–3 3.0L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0. Presumed earthquake.
ISC IX 27 11 38 00.1–1.3 30.58S–.03 71.79W–.06 14–7 51 0-4
SJA IX 27 11 37 58.7–.78 30.63S 71.81W 15 3.0W,2.8L **¶624897557**
GUC IX 27 11 38 00.2–.60 30.67S 71.74W 34–2 3.0L,2.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=5.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=5.4km az=-1.0. Presumed earthquake.
ISC IX 28 11 05 56.8–1.3 29.40S–.02 71.52W–.04 7–10 78 1-6
SJA IX 28 11 05 56.8–.73 29.40S 71.56W 14–2 3.9L,3.8W **¶621309675**
GUC IX 28 11 06 01.5–.76 29.43S 71.27W 50–3 4.0L,3.8W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0. Presumed earthquake.
ISC IX 27 09 58 45.6–.71 30.68S–.02 71.54W–.04 42–6 4.4b 142 0-151
SJA IX 27 09 58 42.1–1.2 30.68S 71.66W 18–4 4.0L,3.9W **¶621140701**
GUC IX 27 09 58 45.7–.79 30.67S 71.40W 45–2 4.2L,3.9W
NEIC IX 27 09 58 45.8–1.9 30.72S–.04 71.52W–.07 39–3 4.5b,4.2L
IDC IX 27 09 58 46.5–3.0 30.75S 71.50W 53–25 4.0L,4.0
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.8km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=18.2km az=89.0.
ISC IX 28 05 52 49.1–1.3 29.37S–.03 71.53W–.05 10–11 64 1-5
SJA IX 28 05 52 49.5–.78 29.38S 71.50W 15–3 3.6L,3.6W **¶621309677**
GUC IX 28 05 52 53.2–.86 29.42S 71.31W 45–2 3.5L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=3.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0. Presumed earthquake.
ISC IX 30 15 03 23.2–2.2 31.62S–.02 71.97W–.07 2–14 62 1-3
GUC IX 30 15 03 25.7–.86 31.61S 71.74W 33–2 3.2L **¶624897615**
SJA IX 30 15 03 25.0–.80 31.74S 72.20W 40 3.5L,3.4W
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.6km s-min=7.5km az=-1.0. Presumed earthquake.
ISC IX 30 02 08 03.2–1.2 33.67S–.03 71.98W–.05 29–10 53 0-5
SJA IX 30 02 08 01.7–.75 33.68S 72.02W 24–1 3.3W,2.9L **¶621309690**
GUC IX 30 02 08 03.7–.76 33.66S 71.95W 35–4 2.8L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.5km az=-1.0. Presumed earthquake.
ISC IX 29 06 11 01.6–1.2 32.97S–.02 71.30W–.04 43–8 92 0-5
SJA IX 29 06 10 59.2–.77 32.93S 71.28W 54–3 3.3W,2.9L **¶624897584**
GUC IX 29 06 11 00.6–.79 32.96S 71.24W 56–2 3.0L,2.9L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=2.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.4km az=-1.0. Presumed earthquake.
ISC X 03 01 39 03.9–1.6 29.36S–.03 71.60W–.06 4–11 32 1-5
SJA X 03 01 39 04.3–.66 29.36S 71.63W 21–3 3.7W,3.5L **¶625233374**
GUC X 03 01 39 07.3–.91 29.36S 71.51W 45–3 3.4L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=4.4km az=-1.0. Presumed earthquake.
ISC X 05 06 33 33.1–1.3 31.71S–.02 71.96W–.05 7–10 73 1-4
SJA X 05 06 33 27.2–.69 31.62S 72.70W 10 3.8L,3.6W **¶621256322**
GUC X 05 06 33 34.8–.91 31.67S 71.92W 42–5 3.6L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=5.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.7km az=-1.0. Presumed earthquake.
SJA X 04 18 32 26.7–.73 30.77S 71.83W 14 3.4L,3.1W ¶635806520
SJA Event type se. Error ellipse: s-maj=2.6km s-min=6.6km az=-1.0. Presumed earthquake.
GUC X 04 18 33 20.5–.88 31.72S 71.78W 34–2 3.4L ¶625233412
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.8km az=-1.0. Presumed earthquake.
ISC X 04 21 54 03.3–1.3 38.82S–.03 73.33W–.05 41–9 38 0-5
SJA X 04 21 53 58.9–.47 38.73S 73.20W 13–2 3.3L,3.3W **¶625233417**
GUC X 04 21 54 02.8–.66 38.82S 73.27W 45–3 3.5L,3.3W

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=3.2km az=-1.0. Presumed earthquake.
ISC X 05 00 12 10.8–1.1 30.86S–.02 71.82W–.04 26–8 111 0-5
SJA X 05 00 12 07.2–.65 30.82S 71.98W 13–3 3.4L,3.4W ¶625233418
GUC X 05 00 12 11.2–.90 30.86S 71.71W 38–2 3.6L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=3.6km az=-1.0. Presumed earthquake.
ISC X 06 11 39 54.3–1.6 28.66S–.03 71.90W–.04 3–10 83 1-150
SJA X 06 11 39 53.9–.69 28.66S 71.85W 11–3 3.6L,3.4W ¶621217150
IDC X 06 11 39 55.0–1.5 28.61S 71.93W 0 3.6b,3.6
GUC X 06 11 39 58.9–.97 28.73S 71.47W 33–5 3.6L,3.6
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=3.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=60.3km s-min=35.7km az=130.0.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=5.5km az=-1.0. Presumed earthquake.
ISC X 07 11 55 49.3–.99 30.66S–.02 71.32W–.04 23–11 84 0-5
SJA X 07 11 55 45.7–.65 30.61S 71.61W 18–2 3.7W,3.6L ¶621256329
GUC X 07 11 55 48.2–.76 30.67S 71.47W 50–2 3.7L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=3.4km az=-1.0. Presumed earthquake.
ISC X 08 15 18 09.8–1.3 30.64S–.02 71.07W–.04 62–9 62 0-4
SJA X 08 15 18 07.3–.66 30.62S 71.08W 71–2 3.1W,2.7L ¶625233492
GUC X 08 15 18 08.2–.59 30.65S 70.98W 79–3 3.0L,2.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=2.5km az=-1.0. Presumed earthquake.
ISC X 07 09 56 19.6–1.3 29.34S–.03 71.16W–.05 58–13 55 1-4
SJA X 07 09 56 17.5–.76 29.33S 71.16W 64–4 3.7L,3.7W ¶621256332
GUC X 07 09 56 18.8–.43 29.38S 71.08W 80–2 3.9L,3.7W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=2.0km az=-1.0. Presumed earthquake.
ISC X 08 02 52 33.0–1.3 28.75S–.02 71.28W–.04 2–10 61 1-5
SJA X 08 02 52 32.3–.68 28.74S 71.61W 22–3 3.6W,3.4L ¶625233480
GUC X 08 02 52 35.3–.72 28.78S 71.45W 24–13 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=4.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0. Presumed earthquake.
ISC X 15 05 41 39.0–1.4 31.72S–.02 71.99W–.05 4–9 4.2b 114 1-152
IDC X 15 05 41 38.5–.72 31.61S 72.16W 0 4.0b,3.9 ¶621202377
NEIC X 15 05 41 39.9–1.1 31.69S–.04 72.11W–.07 10–1 4.3b,4.0L
GUC X 15 05 41 40.3–.67 31.71S 71.92W 8–3 4.0L,4.0L
SJA X 15 05 41 40.6–.89 31.73S 72.41W 37–16 4.2L,4.2W
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=16.0km az=80.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.7km az=277.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=0.8km s-min=3.5km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=16.4km az=-1.0. Presumed earthquake.
ISC X 13 06 03 20.2–2.3 36.76S–.08 73.8W–.10 35 16 1-5
SJA X 13 06 02 57.5–.87 36.62S 76.02W 10 3.9L,3.2W ¶625233584
GUC X 13 06 03 20.1–.63 36.70S 73.82W 21–4 3.6L,3.2W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=8.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=4.4km az=-1.0. Presumed earthquake.
ISC X 09 10 22 33.4–1.4 31.51S–.02 71.85W–.04 1–10 100 1-5
SJA X 09 10 22 32.0–.62 31.50S 71.96W 9–3 3.5L,3.3W ¶625233515
GUC X 09 10 22 36.1–.74 31.53S 71.72W 27–3 3.4L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=4.1km az=-1.0. Presumed earthquake.
ISC X 15 12 15 49.1–1.7 32.33S–.03 71.88W–.05 0–13 57 1-5
SJA X 15 12 15 48.2–.73 32.29S 71.95W 13–3 4.0L,3.9W ¶621256370
GUC X 15 12 15 52.0–.50 32.27S 71.74W 35–2 4.0L,3.9W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=4.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.5km az=-1.0. Presumed earthquake.
ISC X 16 06 18 40.2–2.2 36.89S–.04 74.0W–.10 10 23 1-4
SJA X 16 06 18 21.5–1.5 36.76S 75.72W 0–58 3.9W,3.4L ¶625233673
GUC X 16 06 18 40.7–.66 36.85S 74.01W 34–6 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=13.1km s-min=104.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.8km s-min=8.3km az=-1.0. Presumed earthquake.
ISC X 23 01 45 24.8–.63 36.92S–.02 72.83W–.03 28–4 4.7b 295 0-169
SJA X 23 01 45 15.7–.54 37.01S 73.73W 14 4.6L,4.4W ¶621237728
IDC X 23 01 45 20.6–.51 36.99S 72.75W 0 4.5,4.4b
VAO X 23 01 45 24.8–.50 36.79S 72.41W 10 4.7b,4.4b
NEIC X 23 01 45 26.9 36.95S 72.81W 41 4.7b,4.4b
NEIC X 23 01 45 26.5–2.5 36.95S–.05 72.81W–.04 37–4 4.7,4.7b
GFZ X 23 01 45 27.4–.25 37S–2.0 73W–4.0 43–2 5.9b,5.5
GUC X 23 01 45 27.3–.81 37.01S 72.73W 19–6 4.7L,5.5
GFZ X 23 01 45 29.2 36.97S 72.63W 47 4.5W,5.5
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=7.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=22.7km s-min=12.9km az=105.0.
VAO Event type se. Error ellipse: s-maj=5.2km s-min=5.9km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.3km az=209.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.55 $M_{\theta\theta}$0.32 $M_{\phi\phi}$-2.87 $M_{r\theta}$0.23 $M_{\theta\phi}$-0.75 $M_{\phi r}$-1.69 NP1:ϕ_s26.31000°,δ31.56000°,λ112.18000°. NP2:ϕ_s180.74000°,δ61.01000°,λ76.95000°. Principal axes: T 3.0960,Plg71.0000°,Azm61.0000°; N 0.3696,Plg11.0000°,Azm187.0000°; P -3.4656,Plg15.0000°,Azm280.0000° $M_0$3.30000×10^{15}
GFZ Error ellipse: s-maj=7.6km s-min=3.9km az=92.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}5.34 $M_{\theta\theta}$0.29 $M_{\phi\phi}$-5.62 $M_{r\theta}$1.00 $M_{\theta\phi}$-1.03 $M_{\phi r}$-3.19 NP1:ϕ_s175.86677°,δ60.59717°,λ75.44290°. NP2:ϕ_s23.74290°,δ32.51803°,λ114.03752°.
Principal axes: T 6.4460,Plg70.6306°,Azm53.4633°; N 0.1199,Plg12.6485°,Azm183.1322°; P -6.5659,Plg14.4240°,Azm276.4412° $M_0$6.50682×10^{15}
ISC X 21 05 58 55.1–1.2 32.50S–.03 71.60W–.05 31–12 63 0-3
SJA X 21 05 58 53.0–.71 32.45S 71.63W 25–1 3.5W,3.2L ¶621256401
GUC X 21 05 58 54.9–.74 32.49S 71.68W 36–3 3.3L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0. Presumed earthquake.
ISC X 17 00 57 46.3–1.7 28.90S–.03 71.45W–.07 16–10 36 1-3
SJA X 17 00 57 45.7–1.1 28.90S 71.46W 10–9 3.5L,3.4W ¶625233701
GUC X 17 00 57 46.3–.68 28.87S 71.39W 33–2 3.3L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=7.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0. Presumed earthquake.
ISC X 23 02 13 56.0–.35 33.24S–.03 71.79W–.04 35–1 4.9b,3.9s 278 0-176
SJA X 23 02 13 49.6–.66 33.40S 71.81W 26–2 4.8W,4.7L ¶621237731
IDC X 23 02 13 50.6–.43 33.19S 71.68W 0 4.5b,4.5
VAO X 23 02 13 53.5–.49 33.17S 71.59W 10 4.6b,4.5
GFZ X 23 02 13 56.4 33.27S 71.75W 44 4.6W,4.5
GFZ X 23 02 13 56.4–.33 33S–2.0 72W–4.0 33–4 5.4b,4.9L
NEIC X 23 02 13 56.6–1.3 33.27S–.02 71.79W–.05 35–3 4.9b,4.6
NEIC X 23 02 13 56.4 33.27S 71.79W 33 4.9b,4.6
GUC X 23 02 13 56.4–.72 33.27S 71.77W 43–3 4.5L,4.6
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.6km s-min=12.5km az=85.0.
VAO Event type se. Error ellipse: s-maj=4.8km s-min=5.4km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}8.04 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-7.61 $M_{r\theta}$1.19 $M_{\theta\phi}$1.33 $M_{\phi r}$5.88 NP1:ϕ_s159.00815°,δ28.35161°,λ69.38953°. NP2:ϕ_s2.14729°,δ63.60952°,λ100.75512°.
Principal axes: T 10.2254,Plg69.4863°,Azm294.2674°; N -0.5648,Plg9.6230°,Azm177.3213°; P -9.6606,Plg17.9381°,Azm84.1749° $M_0$9.95505×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.3km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.93 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-0.94 $M_{r\theta}$0.12 $M_{\theta\phi}$0.26 $M_{\phi r}$0.57 NP1:ϕ_s359.21000°,δ60.64000°,λ104.06000°. NP2:ϕ_s152.15000°,δ32.28000°,λ66.65000°. Principal axes: T 1.1279,Plg71.0000°,Azm301.0000°; N 0.0188,Plg12.0000°,Azm172.0000°; P -1.1467,Plg15.0000°,Azm79.0000° $M_0$1.14000×10^{16}
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0. Presumed earthquake.
ISC X 25 14 39 36.3–1.3 32.69S–.02 71.91W–.04 5–10 143 0-8
SJA X 25 14 39 38.1–.88 32.72S 71.83W 17–2 4.1L,4.0W ¶621239121
NEIC X 25 14 39 39.2–1.1 32.67S–.04 71.95W–.06 27–12 4.3L,4.1L
GUC X 25 14 39 40.5–.75 32.69S 71.76W 29–5 4.1L,4.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.4km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.0km az=-1.0. Presumed earthquake.
ISC X 30 15 01 25.8–1.4 30.24S–.03 71.46W–.05 53–11 67 0-5
SJA X 30 15 01 23.9–2.2 30.25S 71.48W 56–13 3.7L,3.5W ¶621256478
GUC X 30 15 01 26.2–.41 30.27S 71.28W 63–1 3.9L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.2km s-min=11.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.8km s-min=1.8km az=-1.0. Presumed earthquake.
ISC X 25 11 05 49.6–1.5 32.16S–.02 71.98W–.05 10–10 104 1-4
SJA X 25 11 05 48.1–.87 32.16S 72.07W 12–4 3.5W,3.4L ¶625230214
GUC X 25 11 05 50.8–.80 32.17S 71.97W 18–5 3.5L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=6.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=5.3km az=-1.0. Presumed earthquake.
ISC X 25 18 45 10.3–1.2 29.55S–.02 71.31W–.04 6–10 62 0-5
GUC X 25 18 45 12.8–.76 29.57S 71.26W 54–2 3.7L ¶625230225
SJA X 25 18 45 12.0–.79 29.60S 71.37W 44–16 3.8W,3.6L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0. Presumed earthquake.
ISC XI 01 15 46 46.6–1.4 28.86S–.03 71.55W–.07 31 38 1-5
SJA XI 01 15 46 43.0–1.2 28.74S 72.01W 40 3.5W,3.4L ¶625536811
GUC XI 01 15 46 47.2–.67 28.87S 71.52W 34–4 3.3L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.2km s-min=15.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.0km az=-1.0. Presumed earthquake.
ISC XI 04 23 07 30.8–2.6 28.49S–.03 71.45W–.07 7–17 47 0-5
SJA XI 04 23 07 31.5–.86 28.45S 71.46W 30 3.5L,3.5W ¶625536905
GUC XI 04 23 07 35.0–.93 28.53S 71.27W 68–4 3.6L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=5.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=4.6km az=-1.0. Presumed earthquake.
ISC XI 03 22 13 33.3–1.3 32.02S–.02 71.79W–.04 5–10 94 1-4
SJA XI 03 22 13 33.1–1.2 32.05S 72.12W 30 4.0W,3.7L ¶621821736
GUC XI 03 22 13 35.3–.86 32.04S 71.82W 24–4 3.5L,3.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=7.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=2.6km az=-1.0. Presumed earthquake.
ISC XI 04 04 18 22.5–.26 30.30S–.02 71.33W–.03 50–2 4.9b 427 0-176
VAO XI 04 04 18 18.3–.37 30.27S 71.10W 10 5.0b ¶621261756
SJA XI 04 04 18 20.6–.75 30.26S 71.48W 40–890 5.0L,4.8W
GUC XI 04 04 18 22.4–.89 30.31S 71.22W 52–3 5.2L,4.8W
IDC XI 04 04 18 22.7–.42 30.30S 71.24W 51–3 4.6,4.3b
GFZ XI 04 04 18 22.7 30.29S 71.26W 62 4.7W,4.3b
GFZ XI 04 04 18 22.7–.19 30S–2.0 71W–4.0 52–5 5.8b,5.7L
NEIC XI 04 04 18 23 30.33S 71.29W 50 5.8b,5.7L
NEIC XI 04 04 18 23.1–1.8 30.35S–.03 71.27W–.07 50–3 5.0,4.9b
ISC Event type se.
VAO Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}0.90 $M_{\theta\theta}$-1.45 $M_{\phi\phi}$0.55 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.42 $M_{\phi r}$-0.80 NP1:ϕ_s111.44843°,δ53.44575°,λ142.76388°. NP2:ϕ_s225.80302°,δ60.91716°,λ42.96175°.
Principal axes: T 1.5720,Plg49.8934°,Azm82.3608°; N -0.0213,Plg39.7576°,Azm253.3653°; P -1.5508,Plg4.4412°,Azm347.0699° $M_0$1.56151×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.57 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$0.99 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.35 $M_{\phi r}$-0.92 NP1:ϕ_s120.51000°,δ59.72000°,λ155.18000°. NP2:ϕ_s223.64000°,δ68.75000°,λ32.76000°. Principal axes: T 1.7449,Plg38.0000°,Azm85.0000°; N -0.1163,Plg52.0000°,Azm253.0000°; P -1.6285,Plg6.0000°,Azm350.0000° $M_0$1.69000×10^{16}
ISC XI 04 12 40 58.7–.93 30.71S–.02 71.46W–.03 30–7 91 0-5
SJA XI 04 12 40 54.4–.70 30.67S 71.57W 24–2 3.6W,3.4L ¶625536899
GUC XI 04 12 40 57.2–.79 30.72S 71.39W 48–2 3.6L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.5km az=-1.0. Presumed earthquake.
ISC XI 05 14 11 28.6–.42 28.64S–.03 71.39W–.04 45–3 4.8b,3.7s 289 1-172
SJA XI 05 14 11 26.0–.73 28.53S 71.35W 25–2 4.7L,4.6W ¶621366515
VAO XI 05 14 11 27.5–1.7 28.80S 71.24W 36–11 4.6b,4.6W
GFZ XI 05 14 11 28.9–.24 29S–2.0 71W–3.0 40–2 6.1b,5.7
GUC XI 05 14 11 28.2–.81 28.70S 71.14W 49–2 4.7L,5.7
NEIC XI 05 14 11 28.7–1.6 28.62S–.05 71.39W–.08 42–5 4.8b,4.5
NEIC XI 05 14 11 28.4 28.63S 71.40W 37 4.8b,4.5
IDC XI 05 14 11 29.6–.43 28.68S 71.23W 51–3 4.4,4.3b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=6.3km s-min=8.3km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=6.9km s-min=3.3km az=95.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.4km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.67 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-6.26 $M_{r\theta}$0.23 $M_{\theta\phi}$-0.79 $M_{\phi r}$2.63 NP1:ϕ_s5.80000°,δ56.85000°,λ89.24000°. NP2:ϕ_s187.19000°,δ33.16000°,λ91.16000°.
Principal axes: T 6.2201,Plg78.0000°,Azm273.0000°; N 0.6821,Plg1.0000°,Azm6.0000°; P -6.9022,Plg12.0000°,Azm96.0000° $M_0$6.59000×10^{15}
NEIC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=9.5km az=62.0.
ISC XI 08 04 52 46.0–.48 29.17S–.03 71.11W–.04 77–4 4.6b 277 0-168
VAO XI 08 04 52 39.1–.41 29.14S 71.02W 10 4.7b ¶621372558
GFZ XI 08 04 52 44.4–.23 29S–2.0 71W–5.0 101–3 5.7b,5.2
SJA XI 08 04 52 44.5–.67 29.15S 71.27W 81–6 4.7L,4.5W
NEIC XI 08 04 52 46.9–1.4 29.20S–.03 71.09W–.07 78–4 4.8,4.7b
NEIC XI 08 04 52 46.9 29.19S 71.05W 77 4.8,4.7b
GUC XI 08 04 52 46.6–.68 29.20S 71.02W 87–3 4.8L,4.7b
IDC XI 08 04 52 48.2–.61 29.05S 70.71W 80–4 4.3,3.9b
ISC Event type se.

VAO Event type se. Error ellipse: s-maj=3.9km s-min=4.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.5km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.65 $M_{\theta\theta}$7.20 $M_{\phi\phi}$-7.84 $M_{r\theta}$0.02 $M_{\theta\phi}$-1.32 $M_{\phi r}$4.30 NP1:ϕ_s138.11000°,δ77.04000°,λ-18.90000°. NP2:ϕ_s232.50000°,δ71.60000°,λ-166.33000°. Principal axes: T 7.3360,Plg4.0000°,Azm186.0000°; N 2.3922,Plg67.0000°,Azm285.0000°; P -9.7282,Plg22.0000°,Azm94.0000° $M_0$8.78000×10^{15}
NEIC Event type se.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.5km s-min=9.4km az=58.0.

ISC	**XI**	**05 16 57 06.5–1.5**	**29.68S–.04**	**71.33W–.07**	**65–11**		**34**	**0-4**	
SJA	XI	05 16 57 05.0	29.68S	71.46W	26	3.0L			**¶625536918**
GUC	XI	05 16 57 06.1–.89	29.71S	71.10W	67–3	2.7L			

ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=4.4km az=-1.0. Presumed earthquake.

ISC	**XI**	**12 15 27 08.0–.95**	**34.71S–.02**	**71.69W–.04**	**18–8**		**53**	**0-4**	
GUC	XI	12 15 27 07.6–.82	34.71S	71.81W	46–2	3.6L			**¶625537088**
SJA	XI	12 15 27 07.2–.68	34.70S	71.77W	35–2	3.6L,3.6W			

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0. Presumed earthquake.

ISC	**XI**	**10 06 51 46.3–.51**	**32.81S–.02**	**71.27W–.03**	**61–4**	**4.6b**	**312**	**0-155**	
SJA	XI	10 06 51 45.9–.75	32.84S	71.23W	68–2	4.4L,4.4W			**¶621385769**
NEIC	XI	10 06 51 47.0–1.7	32.84S–.03	71.28W–.04	61–4	4.7b,4.6			
GFZ	XI	10 06 51 46.9–.17	33S–2.0	71W–4.0	70–2	5.5b,5.0			
GUC	XI	10 06 51 46.9–.73	32.84S	71.24W	69–2	4.7L,5.0			
NEIC	XI	10 06 51 46.9	32.85S	71.28W	61	4.7L,5.0			
VAO	XI	10 06 51 47.7–1.3	32.76S	71.10W	70	4.6b,5.0			
IDC	XI	10 06 51 48.5–2.5	32.82S	71.11W	74–20	4.3,3.9b			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.0km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.12 $M_{\theta\theta}$-2.30 $M_{\phi\phi}$2.42 $M_{r\theta}$-1.15 $M_{\theta\phi}$0.73 $M_{\phi r}$2.08 NP1:ϕ_s54.82000°,δ46.22000°,λ-0.39000°. NP2:ϕ_s145.09000°,δ89.72000°,λ-136.22000°. Principal axes: T 3.5878,Plg29.0000°,Azm271.0000°; N -0.3412,Plg46.0000°,Azm145.0000°; P -3.2466,Plg30.0000°,Azm19.0000° $M_0$3.43000×10^{15}
GFZ Error ellipse: s-maj=7.9km s-min=3.7km az=99.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0. Presumed earthquake.
NEIC Event type se.
VAO Event type se. Error ellipse: s-maj=13.2km s-min=10.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=25.1km s-min=16.4km az=118.0.

ISC	**XI**	**10 15 07 15.0–1.5**	**31.69S–.02**	**71.95W–.06**	**8–10**		**59**	**1-5**	
SJA	XI	10 15 07 12.6–.68	31.68S	72.10W	15–3	3.7W,3.6L			**¶621822393**
GUC	XI	10 15 07 16.4–.84	31.69S	71.93W	27–8	3.4L,3.6L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0. Presumed earthquake.

ISC	**XI**	**13 14 25 08.5–2.5**	**36.35S–.03**	**73.6W–.10**	**4–15**		**43**	**1-71**	
SJA	XI	13 14 24 58.9–.52	36.36S	74.56W	24–6	4.1W,3.7L			**¶621468604**
GUC	XI	13 14 25 09.9–.77	36.21S	73.70W	31–6	3.8L,3.7L			
IDC	XI	13 14 25 13.3–1.4	36.27S	73.08W	0	3.6b,3.5L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.0km s-min=6.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=13.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=69.0km s-min=14.7km az=71.0.

ISC	**XI**	**12 20 35 23.5–1.9**	**31.64S–.03**	**71.92W–.06**	**19–5**		**52**	**1-5**	
SJA	XI	12 20 35 22.7–.81	31.54S	71.92W	6–8	3.9L,3.7W			**¶625537094**
GUC	XI	12 20 35 24.3–.84	31.66S	71.89W	36–4	3.8L,3.7W			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=9.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=5.1km az=-1.0. Presumed earthquake.

ISC	**XI**	**13 01 40 50.1–1.2**	**32.02S–.02**	**71.80W–.04**	**15–9**		**72**	**1-3**	
SJA	XI	13 01 40 49.8–.61	32.02S	72.10W	40	4.0W,3.7L			**¶625537098**
GUC	XI	13 01 40 50.9–1.1	32.03S	71.70W	35–4	3.4L,3.7L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=5.3km az=-1.0. Presumed earthquake.

ISC	**XI**	**18 09 24 19.1–1.2**	**30.70S–.02**	**71.87W–.06**	**24–8**		**71**	**0-5**	
SJA	XI	18 09 24 14.3–.66	30.66S	72.17W	9	3.7L,3.5W			**¶621822966**
GUC	XI	18 09 24 19.8–.80	30.74S	71.76W	33–2	3.6L,3.5W			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=5.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0. Presumed earthquake.

ISC	**XI**	**13 22 24 12.5–1.3**	**28.77S–.02**	**71.53W–.05**	**20–6**		**54**	**1-5**	
SJA	XI	13 22 24 12.0–.57	28.78S	71.57W	29–2	3.5W,3.4L			**¶625537113**
GUC	XI	13 22 24 13.3–.77	28.82S	71.37W	34–3	3.5L,3.4L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=6.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=4.0km az=-1.0. Presumed earthquake.

ISC	**XI**	**16 20 21 17.5–1.4**	**32.13S–.02**	**71.78W–.05**	**11–10**		**75**	**1-5**	
SJA	XI	16 20 21 17.7–1.3	32.12S	71.73W	11–7	3.9L,3.8W			**¶621822832**
GUC	XI	16 20 21 19.1–.81	32.14S	71.75W	22–4	4.0L,3.8W			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=11.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=0.8km s-min=2.6km az=-1.0. Presumed earthquake.

ISC	**XI**	**14 23 13 36.2–1.1**	**32.63S–.02**	**71.55W–.04**	**26–10**		**72**	**0-4**	
SJA	XI	14 23 13 34.5–.69	32.63S	71.58W	18–2	3.5W,3.4L			**¶621822702**
GUC	XI	14 23 13 36.5–.75	32.65S	71.56W	33–2	3.3L,3.4L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.3km az=-1.0. Presumed earthquake.

ISC	**XI**	**15 01 03 35.3–1.1**	**37.54S–.03**	**73.71W–.05**	**17–7**	**4.8b,4.0s**	**180**	**1-175**	
SJA	XI	15 01 03 34.6–1.7	37.54S	73.76W	64–43	5.1W,4.0s			**¶621403208**
NEIC	XI	15 01 03 35.4	37.55S	73.76W	16	5.1W,4.0s			
NEIC	XI	15 01 03 35.6–1.9	37.56S–.03	73.76W–.08	15–3	4.9b,4.7			
GUC	XI	15 01 03 36.0–.52	37.52S	73.68W	25–5	4.6L,4.7			
GFZ	XI	15 01 03 38.3–.32	38S–2.0	74W–5.0	64–5	5.6b,5.1			
IDC	XI	15 01 03 43.8–2.6	37.42S	72.41W	89–22	4.1,4.0s			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.0km s-min=22.6km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=3.2km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.98 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$-4.59 $M_{r\theta}$-1.82 $M_{\theta\phi}$-2.81 $M_{\phi r}$-3.72 NP1:ϕ_s27.06000°,δ26.47000°,λ90.75000°. NP2:ϕ_s206.23000°,δ63.53000°,λ89.63000°. Principal axes: T 6.3688,Plg71.0000°,Azm115.0000°; N 1.0175,Plg0.0000°,Azm206.0000°; P -7.3863,Plg19.0000°,Azm297.0000° $M_0$6.93000×10^{15}
GUC Event type se. Error ellipse: s-maj=1.1km s-min=4.7km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=27.4km s-min=14.6km az=92.0.

ISC	**XI**	**21 08 45 59.5–1.2**	**28.69S–.02**	**71.46W–.05**	**29–13**		**65**	**1-4**	
SJA	XI	21 08 45 54.9–.68	28.60S	71.90W	18–4	3.7W,3.6L			**¶621823183**
GUC	XI	21 08 45 59.4–.93	28.74S	71.39W	31–4	3.4L,3.6L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0. Presumed earthquake.

ISC	**XI**	**18 04 26 07.0–.73**	**34.98S–.03**	**71.05W–.04**	**92–5**	**4.0b**	**102**	**0-85**	
SJA	XI	18 04 26 06.5–1.3	34.96S	71.00W	92–8	3.5W,3.4L			**¶621532459**
NEIC	XI	18 04 26 07.3–.78	34.98S–.02	71.05W–.07	90–5	4.2b,3.9L			
GUC	XI	18 04 26 07.7–.78	34.97S	71.06W	94–3	3.9L,3.9L			
IDC	XI	18 04 26 07.7–2.9	35.09S	70.99W	98–30	3.8,3.6b			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.8km s-min=6.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=2.8km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=41.7km s-min=16.7km az=67.0.

ISC	**XI**	**18 18 22 11.7–2.1**	**29.57S–.03**	**71.30W–.05**	**17–14**		**52**	**1-5**	
GUC	XI	18 18 22 12.7–.74	29.57S	71.25W	55–1	3.9L			**¶621822962**
SJA	XI	18 18 22 12.7–.83	29.54S	71.21W	22–3	3.6L,3.6W			

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=5.1km az=-1.0. Presumed earthquake.

GUC	**XI**	**19 05 59 00.8–.47**	**32.14S**	**71.80W**	**30–3**	**2.9L**			**¶625537259**

GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.8km az=-1.0. Presumed earthquake.

GUC	**XI**	**19 06 00 09.2–.70**	**29.69S**	**71.30W**	**52–2**	**2.1L**			**¶625537260**

GUC Event type se. Error ellipse: s-maj=1.4km s-min=4.3km az=-1.0. Presumed earthquake.

ISC	**XI**	**21 22 57 08.1–1.4**	**32.07S–.02**	**71.92W–.06**	**10–10**		**50**	**1-4**	
SJA	XI	21 22 57 06.9–1.2	32.13S	72.54W	39–12	4.3W,3.6L			**¶625537304**
GUC	XI	21 22 57 11.2–.88	32.14S	71.83W	36–2	3.3L,3.6L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.0km s-min=10.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**28 18 37 12.4–1.3**	**32.14S–.02**	**71.87W–.04**	**14–8**		**101**	**1-155**	
SJA	XI	28 18 37 07.5–.71	32.19S	72.22W	7	4.1L,3.7W			**¶621625187**
IDC	XI	28 18 37 10.3–.88	32.12S	72.07W	0	4.0L,3.7			
GUC	XI	28 18 37 14.4–.85	32.13S	71.63W	35–3	3.9L,3.7			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.2km s-min=17.1km az=127.0.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=3.2km az=-1.0. Presumed earthquake.

ISC	**XI**	**28 00 37 36.3–1.3**	**38.85S–.03**	**73.64W–.05**	**19–3**	**4.2b**	**74**	**1-51**	
SJA	XI	28 00 37 35.7–.67	38.82S	73.53W	14	3.7W,3.6L			**¶621480565**
NEIC	XI	28 00 37 37.4–1.0	38.85S–.02	73.67W–.07	31–8	4.2b,3.7L			
GUC	XI	28 00 37 38.4–.80	38.92S	73.55W	42–4	3.7L,3.7L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.4km s-min=5.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=3.0km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=5.2km az=-1.0. Presumed earthquake.

ISC	**XI**	**24 04 02 00.3–1.0**	**30.71S–.02**	**71.42W–.05**	**31–9**		**51**	**0-3**	
SJA	XI	24 04 01 57.5–.68	30.69S	71.52W	24–2	3.5W,3.4L			**¶621823384**
GUC	XI	24 04 01 58.5–.85	30.70S	71.37W	47–3	3.5L,3.4L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=5.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0. Presumed earthquake.

ISC	**XI**	**27 19 28 59.1–.72**	**38.82S–.03**	**73.58W–.04**	**29–4**	**4.7b,4.2s**	**231**	**0-176**	
IDC	XI	27 19 28 54.9–.60	38.67S	73.36W	0	4.3b,4.3			**¶621480534**
SJA	XI	27 19 28 56.9–1.0	38.80S	73.67W	32	4.7L,4.4W			
GUC	XI	27 19 28 58.9–.63	38.83S	73.62W	35–1	4.7L,4.4W			
VAO	XI	27 19 28 59.4–.51	38.67S	73.12W	10	4.6b,4.4W			
NEIC	XI	27 19 28 59.0–1.5	38.81S–.03	73.56W–.08	26–4	4.7b,4.7			
NEIC	XI	27 19 28 59.3	38.82S	73.58W	27	4.7b,4.7			
GFZ	XI	27 19 29 00.6–.32	39S–2.0	73W–6.0	10	5.3b,5.0L			

ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.58 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-0.49 $M_{r\theta}$-0.23 $M_{\theta\phi}$-0.49 $M_{\phi r}$-0.74 NP1:ϕ_s198.72000°,δ69.98000°,λ75.88000°. NP2:ϕ_s55.04000°,δ24.33000°,λ123.82000°. Principal axes: T 0.9600,Plg62.0000°,Azm87.0000°; N 0.1873,Plg13.0000°,Azm204.0000°; P -1.1473,Plg24.0000°,Azm300.0000° $M_0$1.07000×10^{16}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**27 19 31 57.4–.85**	**38.88S–.03**	**73.53W–.04**	**29–5**	**4.7b**	**152**	**0-171**	
IDC	XI	27 19 31 53.5–.59	38.81S	73.52W	0	4.6L,4.2b			**¶621480549**
SJA	XI	27 19 31 55.3–.67	38.81S	73.56W	15–3	4.5W,4.4L			
NEIC	XI	27 19 31 56.7	38.87S	73.55W	20	4.5W,4.4L			
NEIC	XI	27 19 31 57.0–1.2	38.83S–.04	73.53W–.05	22–4	4.7b,4.5L			
GUC	XI	27 19 31 59.8–.84	38.94S	73.52W	21–3	4.5L,4.5L			
VAO	XI	27 19 32 01.7–1.1	38.32S	72.99W	20	4.6b,4.5L			

ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=12.1km az=73.0.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=4.7km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.8km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.58 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-0.94 $M_{r\theta}$-1.04 $M_{\theta\phi}$-1.97 $M_{\phi r}$-3.90 NP1:ϕ_s196.25000°,δ78.38000°,λ70.43000°. NP2:ϕ_s76.71000°,δ22.65000°,λ148.44000°. Principal axes: T 4.4396,Plg53.0000°,Azm83.0000°; N 0.4788,Plg19.0000°,Azm200.0000°; P -4.9185,Plg31.0000°,Azm302.0000° $M_0$4.70000×10^{15}
GUC Event type se. Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=5.5km s-min=13.7km az=-1.0. Presumed earthquake.

ISC	**XI**	**28 09 37 14.4–1.4**	**32.34S–.02**	**71.93W–.04**	**2–9**	**4.3b**	**119**	**1-153**	
SJA	XI	28 09 37 13.8–.63	32.35S	72.26W	22–5	4.3W,4.2L			**¶621480605**
IDC	XI	28 09 37 14.3–.97	32.23S	72.19W	0	4.0L,3.8			
NEIC	XI	28 09 37 16.1	32.37S	71.99W	11	4.0L,3.8			
NEIC	XI	28 09 37 17.5–1.6	32.38S–.02	71.92W–.05	21–5	4.3b,4.0L			
GUC	XI	28 09 37 18.4–.59	32.38S	71.80W	24–18	4.0L,4.0L			

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=6.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=20.6km s-min=15.5km az=105.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=2.1km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.68 $M_{\theta\theta}$0.73 $M_{\phi\phi}$-1.42 $M_{r\theta}$0.56 $M_{\theta\phi}$0.17 $M_{\phi r}$0.08 NP1:ϕ_s139.57000°,δ59.95000°,λ33.09000°. NP2:ϕ_s31.49000°,δ61.80000°,λ145.37000°. Principal axes: T 1.2774,Plg43.0000°,Azm355.0000°; N 0.1522,Plg46.0000°,Azm177.0000°; P -1.4296,Plg1.0000°,Azm86.0000° $M_0$1.36000×10^{15}
GUC Event type se. Error ellipse: s-maj=1.1km s-min=7.3km az=-1.0. Presumed earthquake.

ISC	**XI**	**24 21 53 36.2–.97**	**31.93S–.02**	**71.57W–.03**	**34–7**	**4.4b,3.5s**	**208**	**1-164**	
IDC	XI	24 21 53 30.9–.68	31.90S	71.70W	0	4.2L,4.1b			**¶621460293**
SJA	XI	24 21 53 34.9–.66	31.94S	71.84W	58–5	4.4L,4.4W			
GUC	XI	24 21 53 36.9–.82	31.94S	71.50W	49–2	4.3L,4.4W			
NEIC	XI	24 21 53 37.7–1.2	31.941S–.01	71.55W–.07	44–7	4.4b,4.3L			
GFZ	XI	24 21 53 38.1–.69	32S–2.0	71W–6.0	30–6	5.2b,4.7L			

ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**24 22 03 08.6–1.3**	**36.50S–.03**	**73.76W–.04**	**11–8**	**4.6b,3.7s**	**232**	**1-169**	
SJA	XI	24 22 03 01.7–.56	36.43S	74.27W	6–3	4.0L,4.0W			**¶621460294**
IDC	XI	24 22 03 07.5–.68	36.46S	73.82W	0	4.3b,4.3			
NEIC	XI	24 22 03 08.9	36.49S	73.74W	12	4.3b,4.3			
NEIC	XI	24 22 03 08.8–1.3	36.49S–.05	73.76W–.06	12–4	4.7b,4.3L			
VAO	XI	24 22 03 10.3–.75	36.46S	73.46W	10	4.7b,4.3L			
GUC	XI	24 22 03 10.9–.67	36.64S	73.68W	42–1	4.3L,4.3L			
GFZ	XI	24 22 03 10.6–.36	36S–2.0	73W–5.0	10	5.6b,5.1			

ISC Event type se.
SJA Event type se. Presumed earthquake.

NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.47 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$0.13 $M_{r\theta}$-1.17 $M_{\theta\phi}$1.58 $M_{\phi r}$2.03 NP1:ϕ_s87.62000°,δ30.80000°,λ34.53000°. NP2:ϕ_s327.03000°,δ73.13000°,λ116.15000°. Principal axes: T 2.9376,Plg54.0000°,Azm269.0000°; N 0.4988,Plg25.0000°,Azm139.0000°; P -3.4364,Plg24.0000°,Azm37.0000° $M_0$3.22000×10^{15}
VAO Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**26 20 17 09.0–1.3**	**32.25S–.02**	**71.80W–.05**	**8–10**		**69**	**1-5**
SJA	XI	26 20 17 08.7–1.1	32.27S	71.84W	10–3	3.5L,3.3W		**¶621823532**
GUC	XI	26 20 17 11.7–.83	32.24S	71.73W	34–6	3.5L,3.3W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.7km az=-1.0. Presumed earthquake.

ISC	**XII**	**01 04 39 25.1–.34**	**37.93S–.02**	**73.59W–.03**	**18–1**	**5.5b,4.9s**	**813**	**1-177**
SJA	XII	01 04 39 18.4–.54	37.85S	74.05W	7	5.5L,5.2W		**¶621564955**
IDC	XII	01 04 39 22.3–.33	37.95S	73.47W	0	5.2b,5.1		
MOS	XII	01 04 39 23.8–1.0	37.84S	73.53W	13	5.8b,5.1s		
CATAC	XII	01 04 39 24.9–.96	38S–13	73W–10	10	6.2,5.9b		
NEIC	XII	01 04 39 24.7	37.96S	73.75W	24	6.2,5.9b		
NEIC	XII	01 04 39 24.5	37.90S	73.63W	14	6.2,5.9b		
NEIC	XII	01 04 39 25.1–1.2	37.92S–.03	73.61W–.07	16–2	5.5b,5.3		
GUC	XII	01 04 39 25.3–.65	37.95S	73.74W	44–2	5.1L,5.3		
RSNC	XII	01 04 39 26.9–1.3	39S–13	72W–24	75–11	5.7b,5.5b		
GFZ	XII	01 04 39 26.1–.18	38S–1.0	73W–3.0	18–1	5.8L,5.8b		
GFZ	XII	01 04 39 26.1	37.87S	73.49W	16	5.1W,5.8b		
GCMT	XII	01 04 39 27.4–.20	38.02S–.01	73.66W–.01	22–0	5.2W,5.8b		
VAO	XII	01 04 39 29.8–.46	37.76S	73.28W	45	5.3b,5.8b		
NEIC	XII	01 04 39 29.5	37.90S	73.63W	14	5.1,5.8b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=12.6km s-min=8.5km az=79.0.
MOS Error ellipse: s-maj=13.2km s-min=6.6km az=91.0.
CATAC Error ellipse: s-maj=28.8km s-min=19.5km az=159.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=3.5km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.15 $M_{\theta\theta}$1.35 $M_{\phi\phi}$2.80 $M_{r\theta}$-0.42 $M_{\theta\phi}$-0.76 $M_{\phi r}$-5.83 NP1:ϕ_s359.57000°,δ74.52000°,λ-82.92000°. NP2:ϕ_s154.64000°,δ16.99000°,λ-113.97000°. Principal axes: T 6.1539,Plg29.0000°,Azm84.0000°; N 1.3684,Plg7.0000°,Azm178.0000°; P -7.5222,Plg60.0000°,Azm280.0000° $M_0$6.94000×10^{16}
GUC Event type se. Error ellipse: s-maj=1.0km s-min=4.2km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=5.9km s-min=2.7km az=91.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.77 $M_{\theta\theta}$1.45 $M_{\phi\phi}$4.32 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.28 $M_{\phi r}$-2.13 NP1:ϕ_s171.78337°,δ33.82243°,λ-96.49705°. NP2:ϕ_s359.58896°,δ56.42376°,λ-85.66454°. Principal axes: T 4.7613,Plg11.3252°,Azm86.4639°; N 1.4592,Plg3.6110°,Azm177.1881°; P -6.2205,Plg78.0984°,Azm284.6114° $M_0$5.63443×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112010439A. Moment Tensor Solution. s103,c150; s118,c173;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.75±.13 $M_{\theta\theta}$2.10±.08; $M_{\phi\phi}$3.65±.10; $M_{r\theta}$0.23±.13; $M_{\theta\phi}$-1.00±.06; $M_{\phi r}$-4.82±.17; Best double couple: NP1:ϕ_s152.00000°,δ24.00000°,λ-107.00000°. NP2:ϕ_s350.00000°,δ67.00000°,λ-83.00000°. Principal axes: T 5.9470,Plg22.0000°,Azm74.0000°; N 1.8380,Plg7.0000°,Azm167.0000°; P -7.7850,Plg67.0000°,Azm273.0000° $M_0$6.86600×10^{16}
VAO Event type se. Error ellipse: s-maj=3.7km s-min=5.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.08 $M_{\theta\theta}$0.93 $M_{\phi\phi}$4.15 $M_{r\theta}$-1.21 $M_{\theta\phi}$-0.96 $M_{\phi r}$-3.43 NP1:ϕ_s153.24000°,δ29.94000°,λ-116.39000°. NP2:ϕ_s3.04000°,δ63.44000°,λ-75.64000°. Principal axes: T 5.3509,Plg17.0000°,Azm82.0000°; N 1.1460,Plg13.0000°,Azm177.0000°; P -6.4969,Plg68.0000°,Azm301.0000° $M_0$6.01000×10^{16}

ISC	**XI**	**30 12 09 06.3–1.7**	**28.69S–.03**	**71.85W–.07**	**12–10**		**37**	**1-4**
SJA	XI	30 12 09 08.4–.82	28.70S	71.70W	14–3	3.8L,3.7W		**¶621823748**
GUC	XI	30 12 09 10.0–.66	28.66S	71.64W	43–1	3.7L,3.7W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.3km s-min=4.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**01 04 49 10.5–1.1**	**37.94S–.02**	**73.70W–.05**	**22–9**	**4.7b**	**91**	**0-73**
SJA	XII	01 04 49 06.5–1.3	37.85S	74.08W	27–16	4.3L,4.0W		**¶621606941**
NEIC	XII	01 04 49 10.2–1.1	37.92S–.04	73.69W–.10	16–4	4.5b,4.2L		
GUC	XII	01 04 49 11.5–.82	37.96S	73.71W	39–3	4.2L,4.2L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.9km s-min=12.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.0km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=4.7km az=-1.0. Presumed earthquake.

ISC	**XII**	**01 14 34 25.9–1.6**	**28.59S–.03**	**71.74W–.06**	**14–10**		**47**	**1-4**
SJA	XII	01 14 34 21.3–.52	28.54S	72.22W	9	3.9L,3.5W		**¶621823812**
GUC	XII	01 14 34 29.1–.61	28.66S	71.70W	28–4	3.6L,3.5W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=5.7km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0. Presumed earthquake.

GUC	**XII**	**01 21 57 13.0–.77**	**30.74S**	**71.98W**	**33–7**	**2.9L**		
SJA	XII	01 21 57 00.6–.65	31.77S	68.24W	120–4	3.4W,2.6L		**¶625752549**

GUC Event type se. Error ellipse: s-maj=3.4km s-min=15.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**05 02 14 32.4–.77**	**28.54S–.02**	**71.58W–.04**	**10**		**79**	**1-153**
IDC	XII	05 02 14 34.4–1.5	28.25S	71.04W	0	4.0b,3.7L		**¶621631220**
SJA	XII	05 02 14 35.3–.68	28.59S	71.43W	19–2	4.0L,4.0W		
GUC	XII	05 02 14 36.5–.75	28.55S	71.43W	23–4	3.8L,4.0W		

ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=13.5km az=83.0.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**11 14 54 19.2–.21**	**29.54S–.02**	**71.31W–.03**	**50–1**	**5.5b,5.2s**	**900**	**0-176**
IDC	XII	11 14 54 12.6–.32	29.48S	71.10W	0	5.3b,5.2		**¶621627511**
MOS	XII	11 14 54 13.5–1.1	29.41S	71.17W	10	5.8b,5.1s		
SJA	XII	11 14 54 17.3–.79	29.49S	71.28W	26–3	5.7L,5.6W		
GUC	XII	11 14 54 18.8–.82	29.54S	71.25W	53–2	5.4L,5.6W		
GFZ	XII	11 14 54 18.9–.18	29S–1.0	71W–3.0	42–4	6.4L,6.0b		
GFZ	XII	11 14 54 18.8	29.48S	71.18W	50	5.6W,6.0b		
NEIC	XII	11 14 54 19.4	29.54S	71.22W	46	5.6W,6.0b		
BJI	XII	11 14 54 19.4	29.60S	71.00W	53	5.9s,5.6b		
IPGP	XII	11 14 54 19.0	29.55S	71.20W	52	5.7W,5.6b		
NEIC	XII	11 14 54 19.4	29.54S	71.22W	46	5.7W,5.6b		
NEIC	XII	11 14 54 19.1–1.7	29.53S–.03	71.30W–.06	45–1	5.7,5.7		
VAO	XII	11 14 54 20.4–.34	29.49S	70.92W	53	5.5b,5.7		
GCMT	XII	11 14 54 23.7–.10	29.55S–.01	71.43W–.01	49–0	5.7W,5.7		
NEIC	XII	11 14 54 26.9	29.54S	71.22W	46	5.7,5.7		

ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=10.2km az=82.0.
MOS Error ellipse: s-maj=15.9km s-min=6.6km az=94.5.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=6.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.5km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.25 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-3.56 $M_{r\theta}$0.56 $M_{\theta\phi}$0.10 $M_{\phi r}$-0.72 NP1:ϕ_s168.99824°,δ51.88588°,λ77.71523°. NP2:ϕ_s8.43093°,δ39.75668°,λ105.17464°. Principal axes: T 3.4185,Plg78.5355°,Azm29.8025°; N 0.2248,Plg9.6369°,Azm176.6533°; P -3.6433,Plg6.1512°,Azm267.7018° $M_0$3.53628×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s24.00000°,δ46.00000°,λ104.00000°. NP2:ϕ_s185.00000°,δ45.00000°,λ76.00000°.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.7km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.55 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-3.93 $M_{r\theta}$0.99 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.21 NP1:ϕ_s18.45000°,δ48.25000°,λ103.73000°. NP2:ϕ_s178.31000°,δ43.55000°,λ75.11000°. Principal axes: T 4.7333,Plg80.0000°,Azm356.0000°; N -0.7216,Plg10.0000°,Azm189.0000°; P -4.0117,Plg2.0000°,Azm99.0000° $M_0$4.42000×10^{17}
VAO Event type se. Error ellipse: s-maj=3.7km s-min=3.9km az=-1.0. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112111454A. Moment Tensor Solution. s136,c236; s141,c244;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.63±.04 $M_{\theta\theta}$0.38±.04; $M_{\phi\phi}$-4.01±.04; $M_{r\theta}$0.83±.04; $M_{\theta\phi}$-0.36±.03; $M_{\phi r}$-0.81±.05; Best double couple: NP1:ϕ_s19.00000°,δ41.00000°,λ112.00000°. NP2:ϕ_s171.00000°,δ52.00000°,λ72.00000°. Principal axes: T 3.9250,Plg75.0000°,Azm25.0000°; N 0.1820,Plg14.0000°,Azm182.0000°; P -4.1120,Plg6.0000°,Azm274.0000° $M_0$4.01800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; M_{rr}4.01 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-4.40 $M_{r\theta}$0.86 $M_{\theta\phi}$0.07 $M_{\phi r}$0.35 NP1:ϕ_s166.67000°,δ44.14000°,λ71.53000°. NP2:ϕ_s11.63000°,δ48.66000°,λ107.09000°. Principal axes: T 4.2214,Plg77.0000°,Azm350.0000°; N 0.1972,Plg13.0000°,Azm180.0000°; P -4.4186,Plg2.0000°,Azm90.0000° $M_0$4.32000×10^{17}

ISC	**XII**	**05 08 00 00.9–1.2**	**33.58S–.02**	**71.91W–.05**	**29–10**		**73**	**0-5**
SJA	XII	05 07 59 59.3–1.5	33.56S	71.94W	30–4	3.0L,2.8W		**¶625752663**
GUC	XII	05 08 00 01.1–.79	33.57S	71.92W	28–3	2.7L,2.8W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.7km s-min=6.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**05 08 01 56.0–.99**	**29.76S–.02**	**71.92W–.05**	**41–9**	**4.4b**	**195**	**1-169**
SJA	XII	05 08 01 53.9–1.4	29.72S	72.02W	33	4.2L,3.8W		**¶621612597**
NEIC	XII	05 08 01 57.4–1.7	29.76S–.04	71.80W–.07	46–4	4.4L,4.4b		
GUC	XII	05 08 01 58.2–.74	29.79S	71.67W	65–3	4.4L,4.4b		
IDC	XII	05 08 01 59.7–3.0	29.80S	71.72W	68–25	4.1,3.8b		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.5km s-min=9.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.2km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=24.1km s-min=17.2km az=82.0.

ISC	**XII**	**10 03 44 05.5–1.5**	**35.15S–.03**	**72.29W–.05**	**26–14**		**78**	**0-5**
SJA	XII	10 03 44 04.0–.72	35.12S	72.36W	46–5	3.6W,3.4L		**¶625752753**
GUC	XII	10 03 44 06.0–.67	35.17S	72.23W	44–1	3.6L,3.4L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**05 12 00 31.7–1.4**	**29.82S–.02**	**71.70W–.05**	**8–10**		**50**	**0-4**
SJA	XII	05 12 00 29.6–.69	29.76S	71.98W	17–3	3.5W,3.4L		**¶625752668**
GUC	XII	05 12 00 33.4–.87	29.86S	71.52W	41–2	3.4L,3.4L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**11 15 14 22.6–1.3**	**29.58S–.02**	**71.47W–.05**	**8–10**		**54**	**0-4**
SJA	XII	11 15 14 22.2–.78	29.60S	71.45W	14–3	3.6L,3.4W		**¶625752800**
GUC	XII	11 15 14 24.4–.91	29.60S	71.29W	54–2	3.2L,3.4W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0. Presumed earthquake.

ISC	**XII**	**12 00 26 12.7–1.4**	**36.95S–.03**	**73.53W–.08**	**28–8**	**4.5b**	**107**	**0-82**
SJA	XII	12 00 26 06.8–.49	36.87S	73.93W	14	4.1L,4.0W		**¶621627544**
NEIC	XII	12 00 26 13.1–1.1	36.88S–.05	73.5W–.10	27–6	4.4b,4.2L		
GUC	XII	12 00 26 13.9–.71	36.97S	73.37W	36–2	4.2L,4.2L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=6.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.2km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=4.9km az=-1.0. Presumed earthquake.

ISC	**XII**	**11 15 22 57.3–1.8**	**29.55S–.03**	**71.38W–.05**	**14–13**		**46**	**0-4**
SJA	XII	11 15 22 54.9–.78	29.47S	71.54W	23–5	3.7W,3.6L		**¶625752806**
GUC	XII	11 15 22 59.0–.84	29.55S	71.26W	54–3	3.5L,3.6L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.4km s-min=8.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=3.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**11 16 03 39.8–1.4**	**29.56S–.03**	**71.32W–.05**	**33–7**		**48**	**0-5**
GUC	XII	11 16 03 39.3–.77	29.57S	71.22W	49–1	3.6L		**¶625752812**
SJA	XII	11 16 03 46.5–2.4	30.03S	70.62W	100–24	3.3W,3.1L		

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=0.9km s-min=2.4km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=13.3km s-min=20.4km az=-1.0. Presumed earthquake.

ISC	**XII**	**11 20 07 54.8–1.2**	**29.56S–.03**	**71.38W–.05**	**29–11**		**57**	**0-5**
SJA	XII	11 20 07 54.6–2.1	29.59S	71.31W	45–7	3.7L,3.5W		**¶625752825**
GUC	XII	11 20 07 55.1–.77	29.59S	71.27W	54–1	3.7L,3.5W		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=5.3km s-min=13.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**14 04 23 54.6–.50**	**28.63S–.02**	**71.43W–.03**	**18–2**	**5.4b**	**661**	**1-167**
SJA	XII	14 04 23 49.4–.60	28.57S	71.96W	13	5.3L,5.0W		**¶621629139**
IDC	XII	14 04 23 51.8–.34	28.62S	71.27W	0	5.1b,4.9		
VAO	XII	14 04 23 52.5–.61	28.81S	71.56W	20–3	5.4b,4.9		
MOS	XII	14 04 23 54.6–1.1	28.55S	71.42W	22	5.5b,4.9		
NEIC	XII	14 04 23 55.1–1.3	28.69S–.03	71.56W–.06	18–3	5.5,5.5b		
GFZ	XII	14 04 23 56.8–.28	29S–1.0	71W–3.0	26–2	6.9,6.8		
GUC	XII	14 04 23 57.4–.82	28.61S	71.28W	37–3	5.3L,6.8		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=3.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.9km s-min=10.7km az=84.0.
VAO Event type se. Error ellipse: s-maj=3.6km s-min=3.5km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=15.5km s-min=6.9km az=105.8.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=5.9km s-min=3.1km az=85.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Error ellipse: s-maj=3.0km s-min=5.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**12 18 35 37.2–1.3**	**29.55S–.02**	**71.39W–.04**	**7–10**		**63**	**1-5**
SJA	XII	12 18 35 37.7–.78	29.56S	71.29W	27–2	3.7W,3.5L		**¶625752857**
GUC	XII	12 18 35 39.2–.75	29.57S	71.24W	52–2	3.4L,3.5L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0. Presumed earthquake.

ISC	**XII**	**14 05 05 36.7–1.8**	**28.67S–.03**	**71.45W–.08**	**28–15**		**26**	**1-3**
GUC	XII	14 05 05 37.1–.94	28.71S	71.32W	33–3	3.5L		**¶625752885**
SJA	XII	14 05 05 37.9–.91	28.66S	71.31W	30–5	3.4L,3.2W		

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.7km s-min=4.6km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=4.3km s-min=8.1km az=-1.0. Presumed earthquake.

ISC	**XII**	**15 06 31 00.9–1.3**	**29.49S–.02**	**71.66W–.05**	**12–10**		**57**	**1-5**
SJA	XII	15 06 31 00.8–.62	29.48S	71.66W	15–3	3.9W,3.8L		**¶625752901**
GUC	XII	15 06 31 02.6–.82	29.51S	71.39W	35–2	3.8L,3.8L		

ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.6km az=-1.0. Presumed earthquake.

ISC	**XII**	**14 06 51 32.2–1.1**	**29.57S–.02**	**71.32W–.05**	**33–10**		**36**	**0-4**
GUC	XII	14 06 51 31.0–.81	29.65S	71.17W	56–3	3.5L		**¶625752887**
SJA	XII	14 06 51 31.5–1.6	29.57S	71.26W	35–4	3.7L,3.5W		

ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0. Presumed earthquake.

SJA Event type se. Error ellipse: s-maj=3.3km s-min=8.7km az=-1.0. Presumed earthquake.
ISC XII 14 12 42 17.2–1.4 29.56S–.02 71.43W–.05 15–10 55 1-5
SJA XII 14 12 42 16.5–.70 29.53S 71.57W 47–7 4.0L,4.0W **¶625752890**
GUC XII 14 12 42 18.4–.87 29.63S 71.28W 57–6 3.9L,4.0W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=3.8km az=-1.0. Presumed earthquake.
ISC XII 17 02 23 03.3–1.3 31.80S–.02 71.17W–.04 69–12 84 1-5
SJA XII 17 02 23 00.9–.69 31.77S 71.19W 78–2 3.5W,3.4L **¶625752936**
GUC XII 17 02 23 02.6–.80 31.80S 71.02W 86–7 3.4L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=0.9km s-min=2.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=5.8km az=-1.0. Presumed earthquake.
ISC XII 15 03 05 29.9–1.3 28.68S–.02 71.50W–.05 24–10 4.4b 90 1-153
SJA XII 15 03 05 29.1–1.7 28.65S 71.54W 25–5 3.9L,3.6W **¶621630203**
GUC XII 15 03 05 30.9–.77 28.71S 71.24W 37–2 3.8L,3.6W
NEIC XII 15 03 05 30.9–1.3 28.65S–.04 71.59W–.10 36–1 4.4b,3.8L
NEIC XII 15 03 05 30.7 28.63S 71.62W 36 4.4b,3.8L
IDC XII 15 03 05 37.6–3.9 28.62S 71.43W 83–33 3.4,3.1s
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.3km s-min=12.8km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=5.0km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.98 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-3.24 $M_{r\theta}$0.37 $M_{\theta\phi}$0.62 $M_{\phi r}$2.23 NP1:ϕ_s1.93000°,δ63.03000°,λ101.79000°. NP2:ϕ_s157.22000°,δ29.25000°,λ68.12000°. Principal axes: T 3.7825,Plg70.0000°,Azm296.0000°; N 0.2304,Plg10.0000°,Azm177.0000°; P -4.0129,Plg17.0000°,Azm83.0000° $M_0$3.90000×10^{14}
NEIC Event type se.
IDC Error ellipse: s-maj=63.8km s-min=28.1km az=88.0.
ISC XII 21 14 46 04.6–1.1 30.70S–.02 71.35W–.03 32–8 4.4b 124 0-154
SJA XII 21 14 46 01.9–.81 30.68S 71.61W 19–3 4.4L,4.0W **¶621636614**
GUC XII 21 14 46 05.6–.83 30.71S 71.36W 53–2 4.4L,4.0W
NEIC XII 21 14 46 06.2–.80 30.70S–.04 71.37W–.09 41–1 4.5b,4.4L
IDC XII 21 14 46 10.2–3.0 30.50S 71.26W 82–26 4.1,3.9b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=4.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=5.0km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.9km s-min=23.9km az=31.0.
ISC XII 22 09 20 21.4–2.0 37.81S–.03 73.82W–.10 11–15 26 1-4
SJA XII 22 09 20 10.0–.78 37.95S 74.82W 10 3.6L,3.2W **¶625753071**
GUC XII 22 09 20 24.3–.83 37.82S 73.96W 50–11 3.5L,3.2W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=8.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=10.2km az=-1.0. Presumed earthquake.
ISC XII 22 03 51 26.5–1.4 29.99S–.02 71.76W–.04 11–9 4.6b 100 0-36
SJA XII 22 03 51 26.6–.60 30.00S 71.69W 12–2 3.7L,3.5W **¶621648313**
NEIC XII 22 03 51 29.3–1.2 30.03S–.03 71.66W–.05 25–8 4.6b,3.7L
GUC XII 22 03 51 29.0–.94 30.08S 71.57W 33–3 3.7L,3.7L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0. Presumed earthquake.
ISC XII 26 10 59 25.6–1.3 30.15S–.03 71.41W–.05 54–8 68 0-4
SJA XII 26 10 59 24.3–1.3 30.16S 71.40W 46–18 3.7L,3.5W **¶625753144**
GUC XII 26 10 59 25.5–.71 30.16S 71.32W 64–1 3.9L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=7.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0. Presumed earthquake.
ISC XII 22 18 20 31.8–1.2 29.56S–.03 71.38W–.05 41–16 82 0-7
NEIC XII 22 18 20 31.9–2.0 29.56S–.03 71.40W–.06 35–2 4.1L,3.9L **¶621648304**
SJA XII 22 18 20 31.0–.76 29.56S 71.25W 33–2 3.9L,3.8W
GUC XII 22 18 20 32.0–.90 29.56S 71.25W 52–2 3.9L,3.8W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.4km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=5.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Presumed earthquake.
ISC XII 24 16 02 00.4–.98 30.74S–.02 71.41W–.05 31–9 43 0-3
SJA XII 24 16 01 57.0–.69 30.70S 71.50W 29–2 3.6W,3.5L **¶625753108**
GUC XII 24 16 01 59.1–.77 30.74S 71.41W 49–3 3.6L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0. Presumed earthquake.
ISC XII 22 10 52 50.4–1.4 37.84S–.03 73.68W–.07 22–6 30 1-5
SJA XII 22 10 52 31.5–1.0 38.57S 74.05W 363–12 3.6W,3.6L **¶625753074**
GUC XII 22 10 52 50.6–.75 37.86S 73.56W 30–3 2.8L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=6.4km s-min=19.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0. Presumed earthquake.
ISC XII 23 00 01 34.0–1.5 29.19S–.03 71.45W–.06 24–14 49 1-3
SJA XII 23 00 01 34.4–.71 29.19S 71.30W 39–2 3.7L,3.6W **¶621828491**
GUC XII 23 00 01 34.7–1.0 29.23S 71.32W 46–2 3.6L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=4.6km az=-1.0. Presumed earthquake.
ISC XII 24 02 15 37.0–1.2 29.50S–.02 71.36W–.05 15–8 53 0-5
GUC XII 24 02 15 36.9–.86 29.55S 71.23W 60–3 3.3L **¶625753098**
SJA XII 24 02 15 36.7–.69 29.53S 71.21W 32–2 3.5W,3.3L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=3.9km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.5km az=-1.0. Presumed earthquake.
ISC XII 28 02 31 28.0–1.6 29.80S–.04 71.75W–.08 50–16 33 0-4
SJA XII 28 02 31 24.5–.82 29.78S 71.91W 42–14 3.2W,3.1L **¶625753187**
GUC XII 28 02 31 28.7–.49 29.88S 71.51W 74–2 3.6L,3.1L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.9km s-min=12.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0. Presumed earthquake.
ISC XII 30 15 55 16.7–1.4 31.79S–.02 71.64W–.05 2–10 44 1-5
SJA XII 30 15 55 16.9–.65 31.79S 71.57W 31–2 3.5W,3.3L **¶625753225**
GUC XII 30 15 55 19.0–.84 31.79S 71.40W 52–3 3.4L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=4.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=5.4km az=-1.0. Presumed earthquake.

(136) Central Chile.

ISC VII 01 15 26 30.8–.62 35.23S–.03 71.45W–.04 76–5 4.1b 165 0-85
SJA VII 01 15 26 30.7–.67 35.24S 71.45W 76–2 3.9W,3.8L **¶620682304**
NEIC VII 01 15 26 31.1–1.4 35.24S–.04 71.44W–.09 81–4 4.2b,4.0L
GUC VII 01 15 26 31.9–.79 35.25S 71.41W 74–3 4.1L,4.0L
IDC VII 01 15 26 32.4–1.9 35.28S 71.30W 85–18 3.9,3.6b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.1km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.1km s-min=14.6km az=109.0.
ISC VII 16 07 02 27.5–.82 28.79S–.03 70.91W–.05 69–7 4.0b 125 0-127
IDC VII 16 07 02 18.6–1.4 28.71S 71.21W 0 4.0b,3.7L **¶620831331**
GFZ VII 16 07 02 25.4–.25 29S–2.0 71W–6.0 17 4.9b,4.8
GUC VII 16 07 02 27.4–.80 28.88S 70.72W 69–3 4.2L,4.8
SJA VII 16 07 02 27.4–.75 28.83S 70.83W 70–2 4.2L,4.0W
ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=20.0km az=106.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=2.1km s-min=3.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0. Presumed earthquake.
ISC VII 20 03 05 26.1–.61 35.35S–.03 71.49W–.03 95–5 4.0b 184 0-157
IDC VII 20 03 05 25.3–2.4 35.33S 71.42W 91–19 4.0,3.7b **¶620834125**
SJA VII 20 03 05 25.9–.63 35.33S 71.49W 89–2 3.9L,3.9W
NEIC VII 20 03 05 26.4–1.0 35.34S–.04 71.48W–.04 99–4 4.2,4.1b
GUC VII 20 03 05 27.6–.64 35.33S 71.39W 91–2 4.2L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=13.8km az=104.0.
SJA Event type se. Error ellipse: s-maj=1.0km s-min=2.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=170.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0. Presumed earthquake.
ISC VIII 07 14 04 14.3–.68 35.76S–.03 71.08W–.05 119–6 4.0b 107 0-79
SJA VIII 07 14 04 13.8–.73 35.77S 71.04W 119–4 3.9L,3.7W **¶621000724**
NEIC VIII 07 14 04 14.8–1.5 35.74S–.05 71.1W–.10 117–6 4.1L,4.1b
GUC VIII 07 14 04 14.7–.87 35.78S 71.07W 118–3 4.1L,4.1b
IDC VIII 07 14 04 15.9–2.2 35.77S 70.72W 118–22 3.9,3.6b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.5km s-min=4.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.5km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.2km s-min=4.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=40.5km s-min=14.6km az=97.0.
ISC VIII 04 04 05 03.0–1.4 38.98S–.04 72.48W–.04 63–13 30 0-4
SJA VIII 04 04 05 01.3–1.1 39.00S 72.52W 66–16 3.6W,3.2L **¶624776085**
GUC VIII 04 04 05 03.0–.59 38.97S 72.45W 63–4 3.6L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=4.8km s-min=5.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=2.5km az=-1.0. Presumed earthquake.
ISC VIII 08 14 20 03.9–1.4 28.49S–.03 70.42W–.04 98–8 57 0-4
SJA VIII 08 14 20 02.4–.74 28.48S 70.45W 101–3 3.6L,3.6W **¶624776164**
GUC VIII 08 14 20 03.8–.79 28.49S 70.35W 96–4 3.5L,3.6W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=2.7km az=-1.0. Presumed earthquake.
ISC VIII 12 01 12 06.8–1.2 28.21S–.02 70.56W–.04 18–6 55 0-72
NEIC VIII 12 01 12 07.1–1.6 28.01S–.06 71.2W–.10 43–10 4.3b,3.8L **¶620983366**
GUC VIII 12 01 12 07.8–.82 28.16S 70.78W 41–4 3.8L,3.8L
SJA VIII 12 01 12 21.3–.78 28.56S 69.87W 40 3.4W,3.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.9km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=3.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=4.3km s-min=7.5km az=-1.0. Presumed earthquake.
ISC VIII 19 08 39 45.6–1.3 36.08S–.03 71.36W–.06 98–8 69 0-5
SJA VIII 19 08 39 41.4–.72 36.30S 71.14W 102–5 3.3L,3.3W **¶624776308**
GUC VIII 19 08 39 45.1–.71 36.07S 71.47W 110–3 3.5L,3.3W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.3km s-min=7.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0. Presumed earthquake.
ISC VIII 12 15 37 31.5–1.3 35.88S–.03 71.58W–.05 95–8 88 0-5
SJA VIII 12 15 37 30.6–.69 35.87S 71.57W 97–2 3.5W,3.4L **¶621072559**
GUC VIII 12 15 37 31.8–.70 35.88S 71.53W 94–3 3.7L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=4.2km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.6km s-min=2.6km az=-1.0. Presumed earthquake.
ISC VIII 24 22 23 40.8–1.7 28.44S–.04 70.38W–.05 106–12 35 0-4
GUC VIII 24 22 23 41.4–.93 28.46S 70.36W 104–5 3.8L **¶624776397**
SJA VIII 24 22 23 42.4–2.0 28.47S 70.21W 75 3.2W,3.1L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=5.1km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=4.0km s-min=9.6km az=-1.0. Presumed earthquake.
ISC VIII 31 07 52 42.5–.40 28.14S–.03 70.88W–.04 72–3 4.2b 198 0-152
VAO VIII 31 07 52 39.9–1.8 28.27S 70.78W 55–9 4.6b **¶621011424**
SJA VIII 31 07 52 41.5–.63 28.10S 70.91W 63–4 4.3W,4.1L
GUC VIII 31 07 52 41.1–.53 28.14S 70.73W 84–1 4.4L,4.1L
NEIC VIII 31 07 52 43.0–1.8 28.13S–.03 70.80W–.08 70–5 4.3b,4.1L
IDC VIII 31 07 52 43.3–.44 28.10S 70.57W 70–3 3.9,3.7b
ISC Event type se.
VAO Event type se. Error ellipse: s-maj=12.5km s-min=16.2km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=4.5km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.4km s-min=9.0km az=68.0.
ISC VIII 26 08 34 29.9–.50 36.29S–.02 71.69W–.04 96–4 4.5b 227 1-176
NEIC VIII 26 08 34 30.0–1.2 36.32S–.05 71.68W–.09 99–4 4.5b **¶621007950**
SJA VIII 26 08 34 29.5–.74 36.31S 71.70W 99–4 4.4L,4.2W
GUC VIII 26 08 34 30.8–.73 36.29S 71.61W 98–3 4.4L,4.2W
IDC VIII 26 08 34 30.9–.74 36.28S 71.39W 92–5 4.4,4.0b
GFZ VIII 26 08 34 30.6–.19 36S–2.0 71W–4.0 88 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC IX 05 09 02 12.4–1.2 37.37S–.03 72.61W–.05 31–13 42 1-4
SJA IX 05 09 02 11.0–.71 37.34S 72.66W 79–4 3.6L,3.5W **¶624897093**
GUC IX 05 09 02 12.9–.71 37.43S 72.56W 23–8 3.6L,3.5W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0. Presumed earthquake.
ISC IX 19 23 59 32.2–1.7 29.12S–.04 70.65W–.09 98–11 24 0-4
GUC IX 19 23 59 32.7–.89 29.19S 70.59W 84–6 2.9L **¶624897393**
SJA IX 19 23 59 32.3–.80 29.15S 70.61W 91–4 3.1W,2.9L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=3.4km s-min=3.8km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=2.7km s-min=7.1km az=-1.0. Presumed earthquake.
ISC XI 08 21 09 54.2–1.2 39.75S–.04 72.53W–.04 106–8 45 0-15
SJA XI 08 21 09 55.0–.52 39.76S 72.51W 98–2 3.8W,3.6L **¶621822164**
GUC XI 08 21 09 57.0–.65 39.82S 72.50W 88–3 3.9L,3.6L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=2.4km az=-1.0. Presumed earthquake.
ISC XI 08 10 06 02.3–.59 35.53S–.02 71.36W–.04 98–5 4.1b 146 0-120
SJA XI 08 10 06 01.5–.61 35.50S 71.39W 100–2 4.1L,4.0W **¶621372610**
GFZ XI 08 10 06 02.7–.21 36S–2.0 71W–5.0 89–2 7.8,7.6b
NEIC XI 08 10 06 02.4–1.1 35.51S–.03 71.37W–.04 97–5 4.2b,4.1L
IDC XI 08 10 06 03.4–2.5 35.52S 71.17W 102–22 4.0,3.8b
GUC XI 08 10 06 03.1–.63 35.51S 71.36W 94–3 4.1L,3.8b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=11.1km s-min=4.7km az=89.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.0km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.0km s-min=13.1km az=92.0.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0. Presumed earthquake.
ISC IX 19 21 42 57.4–1.5 35.51S–.04 71.46W–.05 106–11 71 1-4
SJA IX 19 21 42 57.1–1.3 35.51S 71.47W 102–7 3.4W,3.2L **¶624897390**

GUC IX 19 21 42 58.3–.82 35.50S 71.42W 100–3 3.5L,3.2L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.6km s-min=8.9km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0. Presumed earthquake.
ISC XI 09 02 59 49.9–.85 38.42S–.03 72.41W–.04 64–9 4.2b 81 1-117
IDC XI 09 02 59 41.1–1.4 38.48S 73.04W 0 3.9L,3.9b **¶621423131**
SJA XI 09 02 59 47.9–1.3 38.44S 72.48W 79–13 3.9L,3.8W
NEIC XI 09 02 59 49.9–1.1 38.40S–.04 72.39W–.10 60–3 4.3b,4.1L
GUC XI 09 02 59 50.5–.62 38.45S 72.41W 55–6 4.1L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=19.4km az=75.0.
SJA Event type se. Error ellipse: s-maj=4.4km s-min=8.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.7km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. Presumed earthquake.
ISC XI 09 03 41 10.3–1.2 35.80S–.03 71.99W–.05 73–9 72 0-5
SJA XI 09 03 41 09.1–.48 35.81S 71.95W 80–1 3.6W,3.3L **¶625537006**
GUC XI 09 03 41 10.4–.62 35.81S 71.93W 77–2 3.4L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=3.3km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0. Presumed earthquake.
ISC XII 03 17 21 46.3–1.5 35.26S–.04 71.17W–.06 112–9 53 1-5
SJA XII 03 17 21 45.5–.68 35.25S 71.19W 114–3 3.5W,3.3L **¶625752612**
GUC XII 03 17 21 46.9–.62 35.25S 71.15W 111–5 3.2L,3.3L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.4km s-min=5.0km az=-1.0. Presumed earthquake.
ISC XI 27 20 40 05.7–.85 36.32S–.03 71.26W–.05 137–6 120 0-44
SJA XI 27 20 40 04.6–.72 36.31S 71.29W 141–3 3.7L,3.7W **¶621480552**
NEIC XI 27 20 40 05.6–1.6 36.33S–.06 71.2W–.10 131–1 4.1b,4.0L
GUC XI 27 20 40 06.5–.86 36.25S 71.31W 137–3 4.0L,4.0L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.9km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.5km s-min=4.1km az=-1.0. Presumed earthquake.
ISC XII 20 01 26 33.1–.75 28.93S–.03 70.75W–.04 105–6 106 0-25
SJA XII 20 01 26 33.8–.92 28.96S 70.73W 101 3.8L,3.8W **¶621633815**
NEIC XII 20 01 26 33.5–1.0 28.94S–.03 70.8W–.10 110–9 4.2L,4.2b
GUC XII 20 01 26 34.1–.78 28.97S 70.63W 108–3 4.2L,4.2b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=3.4km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0. Presumed earthquake.

(137) San Juan Province.

ISC VII 04 09 12 48.7–.60 31.13S–.03 69.22W–.03 123–5 4.0b 175 1-153
GUC VII 04 09 12 48.9–.72 31.11S 69.52W 133–4 4.4L **¶620733509**
SJA VII 04 09 12 48.0–.76 31.11S 69.21W 126–3 4.2L,4.0W
GFZ VII 04 09 12 49.2–.26 31S–2.0 69W–5.0 127–4 4.2b,4.2
IDC VII 04 09 12 49.2–.96 31.08S 69.02W 121–8 3.9,3.5b
NEIC VII 04 09 12 49.3–1.7 31.17S–.05 69.25W–.04 125–6 4.4L,4.2b
ISC Event type se.
GUC Event type se. Presumed earthquake.
SJA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 04 13 14 21.7–.71 31.33S–.03 68.32W–.04 106–5 3.3b 58 0-153
IDC VII 04 13 14 21.1–.64 31.37S 68.21W 102–5 3.6,3.6s **¶620927880**
SJA VII 04 13 14 21.1–.70 31.34S 68.35W 105–2 3.7L,3.6W
ISC Event type se.
IDC Error ellipse: s-maj=43.9km s-min=22.3km az=93.0.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0. Presumed earthquake.
SJA VII 11 15 16 19.1–.71 31.29S 68.61W 106–2 3.8L,3.7W
¶626243482
SJA Event type se. Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0. Presumed earthquake.
ISC VII 23 01 56 05.3–.92 31.78S–.03 69.35W–.03 130–6 74 0-154
IDC VII 23 01 55 55.2–1.2 31.67S 69.51W 0 3.6s,3.5 **¶620967878**
SJA VII 23 01 56 06.3–.74 31.76S 69.36W 116–2 3.5W,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=84.0km s-min=16.5km az=93.0.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0. Presumed earthquake.
ISC VIII 02 10 26 47.6–.66 31.01S–.02 69.33W–.03 116–5 4.2b 129 0-153
SJA VIII 02 10 26 46.4–.68 30.96S 69.36W 116–2 3.8L,3.8W **¶620961692**
NEIC VIII 02 10 26 47.9–2.5 31.00S–.05 69.37W–.05 109–4 4.4b,3.8W
IDC VIII 02 10 26 48.2–1.9 30.96S 69.27W 117–13 3.8,3.5b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.3km s-min=19.1km az=89.0.
SJA VII 30 13 29 03.5–.85 31.58S 69.54W 120–4 3.5L,3.0W
¶620968045
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.5km az=-1.0. Presumed earthquake.
ISC VII 28 18 39 46.1–.78 30.45S–.03 67.98W–.03 64–8 4.6b 152 1-152
IDC VII 28 18 39 41.9–.76 30.82S 67.05W 0 4.0L,3.8b **¶620857678**
SJA VII 28 18 39 44.0–.76 30.47S 67.97W 14–2 4.6L,4.2W
GFZ VII 28 18 39 46.5–.17 30S–1.0 68W–3.0 81 4.5,4.5b
NEIC VII 28 18 39 49.0–2.4 30.58S–.04 68.1W–.10 80–2 4.6b,4.5b
ISC Event type se.
SJA Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 11 17 19.8–.71 31.42S–.03 68.68W–.03 111–5 3.4b 86 0-153
IDC VII 29 11 17 19.4–.89 31.53S 68.54W 108–7 3.7,3.4b **¶620968019**
SJA VII 29 11 17 19.0–.82 31.39S 68.70W 108–2 3.7W,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=23.0km az=90.0.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. Presumed earthquake.
ISC VIII 12 07 47 56.3–.53 31.62S–.03 69.08W–.03 106–5 4.5b 196 0-153
SJA VIII 12 07 47 55.6–.72 31.62S 69.05W 112–4 4.2W,4.0L **¶620983382**
IDC VIII 12 07 47 56.1–.74 31.70S 69.04W 104–6 4.1,3.9b
NEIC VIII 12 07 47 56.8–1.1 31.68S–.05 69.2W–.10 108–6 4.6b,3.9b
GFZ VIII 12 07 47 56.8–.45 32S–2.0 69W–9.0 96–7 4.5b,4.5
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 06 13 23 29.8–1.2 32.00S–.02 69.56W–.03 136–7 144 0-5
SJA VIII 06 13 23 30.1–.77 31.98S 69.51W 128–2 3.5W,3.4L **¶621072490**
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. Presumed earthquake.
ISC VIII 07 22 30 03.0–.64 31.25S–.04 68.35W–.04 108–5 4.1b 134 0-153
IDC VIII 07 22 30 02.8–.80 30.98S 68.14W 89–13 3.8,3.6b **¶620976253**
GFZ VIII 07 22 30 03.5–.61 31S–3.0 69W–18 202–14 4.4b,3.6b
SJA VIII 07 22 30 03.7–.67 31.20S 68.39W 104–2 3.8L,3.8W
NEIC VIII 07 22 30 04.0–1.9 31.25S–.06 68.4W–.10 109–5 4.3b,3.8W
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 07 22 33 29.4–1.1 31.73S–.02 68.92W–.02 6–8 4.4b 130 0-151
IDC VIII 07 22 33 26.9–1.1 31.64S 69.07W 0 4.0b,3.8L **¶620976255**
SJA VIII 07 22 33 29.7–.83 31.76S 68.95W 10–2 3.9L,3.8W
NEIC VIII 07 22 33 31.5–1.4 31.76S–.04 68.81W–.06 15–6 4.3b,3.8W
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 08 05 19 21.2–.42 31.05S–.03 67.38W–.03 112–4 4.3b 222 1-152
SJA VIII 08 05 19 19.7–.83 31.03S 67.40W 14–2 4.0L,3.8W **¶620976271**
NEIC VIII 08 05 19 20.9–.82 31.10S–.05 67.34W–.09 108–6 4.4b,3.8W
VAO VIII 08 05 19 20.8–.34 31.09S 67.43W 110 4.2b,3.8W
GFZ VIII 08 05 19 20.3–.27 31S–2.0 67W–4.0 116 4.6,4.4b
IDC VIII 08 05 19 22.4–.45 31.04S 67.60W 111–4 4.0,3.6b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.7km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Event type se. Error ellipse: s-maj=2.4km s-min=3.8km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=19.1km s-min=11.7km az=118.0.
ISC VIII 14 19 48 06.8–.54 31.08S–.03 68.59W–.03 109–5 4.6b 300 0-170
VAO VIII 14 19 48 05.9–.48 31.11S 68.65W 110 4.8b **¶620986732**
GFZ VIII 14 19 48 06.5–.23 31S–2.0 69W–6.0 137–9 4.8b,4.8
IDC VIII 14 19 48 06.5–.57 31.05S 68.54W 101–4 4.5,4.1b
SJA VIII 14 19 48 06.3–.82 31.07S 68.61W 112–2 4.6L,4.4W
NEIC VIII 14 19 48 07.3–1.1 31.08S–.05 68.62W–.09 108–2 4.7b,4.4W
ISC Event type se.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA VIII 20 17 39 25.0–.75 31.48S 68.63W 111–2 3.5W,3.3L
¶625829278
SJA Event type se. Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0. Presumed earthquake.
ISC VIII 24 16 48 28.3–.69 31.38S–.03 68.97W–.03 118–5 101 0-153
IDC VIII 24 16 48 25.5–3.0 31.25S 68.63W 89–25 4.0b,4.0 **¶621002183**
NEIC VIII 24 16 48 28.9–1.6 31.36S–.06 69.02W–.09 115–5 4.3b,4.0
SJA VIII 24 16 48 28.7–.73 31.39S 68.97W 109–2 3.8L,3.8W
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=16.5km az=107.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=8.6km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0. Presumed earthquake.
SJA VIII 24 16 53 47.2–.67 31.15S 67.92W 13–2 3.7L,3.6W
¶625829368
SJA Event type se. Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0. Presumed earthquake.
ISC X 24 05 10 06.2–.62 31.42S–.04 68.92W–.03 112–5 4.1b 138 0-153
GFZ X 24 05 10 03.5–.34 31S–2.0 69W–6.0 147 4.7L,4.5b **¶621238078**
IDC X 24 05 10 05.8–1.6 31.33S 69.16W 91–16 4.0,3.7b
NEIC X 24 05 10 06.4–2.0 31.52S–.05 68.9W–.10 118–3 4.2b,3.7b
SJA X 24 05 10 06.3–.65 31.40S 68.92W 109–1 4.0W,3.9L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=39.8km s-min=16.9km az=83.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.3km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0. Presumed earthquake.
ISC VIII 28 08 59 43.3–.65 31.58S–.03 68.68W–.03 111–5 4.0b 147 0-124
IDC VIII 28 08 59 43.2–1.0 31.62S 68.67W 104–10 3.7,3.3b **¶621009793**
NEIC VIII 28 08 59 43.8–2.0 31.59S–.06 68.7W–.10 107–5 4.2b,3.3b
GFZ VIII 28 08 59 43.6–.41 32S–3.0 69W–8.0 189–6 3.9b,3.9
SJA VIII 28 08 59 43.2–.82 31.58S 68.65W 108–3 3.8L,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=18.6km az=89.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.1km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=18.1km s-min=5.0km az=99.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0. Presumed earthquake.
SJA X 01 21 52 31.5–.81 31.29S 69.25W 116–2 3.5W,3.4L
¶625829648
SJA Event type se. Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0. Presumed earthquake.
SJA XI 11 14 56 54.8–.52 31.21S 68.58W 105–3 3.6L,3.6W
¶621822466
SJA Event type se. Error ellipse: s-maj=1.6km s-min=2.1km az=-1.0. Presumed earthquake.
ISC XI 19 21 28 09.9–1.1 30.31S–.02 67.64W–.02 9–10 71 0-10
SJA XI 19 21 28 10.3–.67 30.29S 67.64W 17–2 3.8L,3.8W **¶625825357**
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0. Presumed earthquake.
ISC XI 18 01 09 41.0–.60 31.23S–.02 69.00W–.03 111–4 4.5b 148 0-153
SJA XI 18 01 09 39.7–.86 31.24S 69.00W 114–2 3.8L,3.8W **¶621414544**
NEIC XI 18 01 09 41.0–1.3 31.27S–.05 69.04W–.06 107–5 4.5b,3.8W
IDC XI 18 01 09 40.1–1.4 31.23S 69.07W 104–11 4.1,3.8b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.8km az=211.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.0km s-min=24.5km az=78.0.
ISC XI 22 15 58 22.5–.99 29.90S–.02 68.78W–.02 16–6 4.3b 164 0-162
IDC XI 22 15 58 19.1–.61 29.88S 69.05W 0 4.1b,3.9 **¶621440151**
SJA XI 22 15 58 21.5–1.1 29.93S 68.73W 14–3 4.2L,4.0W
NEIC XI 22 15 58 22.6–2.0 29.94S–.05 68.78W–.06 10–1 4.4b,4.0W
GFZ XI 22 15 58 26.3–.27 30S–2.0 69W–4.0 40–4 5.2b,4.7L
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SJA XI 24 17 58 39.8–.80 31.21S 69.23W 112–2 3.5W,3.3L
¶625825439
SJA Event type se. Error ellipse: s-maj=1.7km s-min=1.9km az=-1.0. Presumed earthquake.
SJA XI 24 09 38 05.4–.80 31.31S 68.87W 114–2 3.5W,3.4L
¶621823380
SJA Event type se. Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0. Presumed earthquake.
ISC XII 05 07 43 32.6–1.2 31.57S–.02 69.48W–.03 131–7 141 0-5
SJA XII 05 07 43 32.7–.76 31.55S 69.44W 124–2 3.6W,3.5L **¶625752662**
GUC XII 05 07 43 33.4–.76 31.57S 69.83W 147–4 3.9L,3.5L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.0km s-min=4.1km az=-1.0. Presumed earthquake.
SJA XI 29 13 24 21.9–.74 31.55S 69.33W 118–2 3.6L,3.6W
¶621823692
SJA Event type se. Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0. Presumed earthquake.
ISC XII 08 23 36 02.4–.63 31.84S–.03 68.37W–.04 118–5 3.9b 115 0-151
SJA XII 08 23 36 02.3–.81 31.84S 68.35W 114–2 3.8W,3.7L **¶621634758**
IDC XII 08 23 36 02.3–1.1 31.86S 68.31W 110–4 3.8,3.6b
NEIC XII 08 23 36 02.7–2.1 31.87S–.06 68.4W–.10 112–4 4.0b,3.6b

ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 31 09 57 39.1–.84 31.31S–.02 68.65W–.03 110–5 3.3b 81 0-153
IDC XII 31 09 57 28.0–1.2 30.17S 67.59W 0 3.5b,3.5 **¶621726055**
SJA XII 31 09 57 37.8–.78 31.33S 68.65W 112–2 3.6W,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=56.7km s-min=22.4km az=102.0.
SJA Event type se. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. Presumed earthquake.
ISC XII 25 16 46 26.4–1.3 31.67S–.02 69.86W–.03 122–8 103 0-4
SJA XII 25 16 46 26.7–.87 31.67S 69.79W 110–3 3.5W,3.4L **¶625753129**
GUC XII 25 16 46 27.1–.76 31.63S 69.84W 118–4 3.6L,3.4L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.2km s-min=2.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0. Presumed earthquake.
ISC XII 27 13 01 04.2–.68 31.28S–.02 69.30W–.03 121–5 4.4b 157 0-153
SJA XII 27 13 01 02.7–.73 31.33S 69.28W 116–3 3.9W,3.8L **¶621654221**
GUC XII 27 13 01 03.7–.76 31.27S 69.61W 143–6 4.0L,3.8L
IDC XII 27 13 01 03.6–2.7 31.29S 69.35W 110–19 4.2,3.9b
NEIC XII 27 13 01 04.1–1.6 31.29S–.05 69.33W–.04 109–5 4.5b,4.0L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(138) La Rioja Province.

ISC VII 11 12 01 29.2–.84 28.57S–.03 67.41W–.04 133–7 52 1-127
SJA VII 11 12 01 28.7–.76 28.62S 67.46W 138–3 3.5L,3.3W **¶620928423**
IDC VII 11 12 01 32.4–2.1 28.81S 67.74W 149–17 3.6,3.3b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=43.2km s-min=17.0km az=117.0.
ISC VIII 14 19 18 56.7–.65 31.53S–.04 66.85W–.03 130–6 4.3b 103 1-86
IDC VIII 14 19 18 56.0–1.2 31.51S 66.71W 117–12 4.1,4.1s **¶620986819**
NEIC VIII 14 19 18 55.6–2.0 31.60S–.07 66.7W–.10 120–6 4.5b,4.1s
SJA VIII 14 19 18 56.7–.91 31.52S 66.86W 125–4 4.0L,3.9W
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=17.5km az=130.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.8km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.6km s-min=1.7km az=-1.0. Presumed earthquake.
ISC VIII 28 11 43 18.5–.74 28.58S–.04 67.58W–.04 133–5 3.8b 55 1-150
IDC VIII 28 11 43 17.7–2.5 28.63S 67.56W 119–20 3.9,3.5b **¶621073103**
SJA VIII 28 11 43 17.4–.79 28.59S 67.57W 137–3 3.9L,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=18.9km az=120.0.
SJA Event type se. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. Presumed earthquake.
SJA X 11 15 40 48.0–.66 28.19S 67.47W 147–2 3.3W,3.2L
¶625829722
SJA Event type se. Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0. Presumed earthquake.
ISC IX 15 21 19 26.8–.83 28.75S–.04 67.25W–.04 146–6 75 0-79
NEIC IX 15 21 19 27.4–2.2 28.74S–.07 67.32W–.07 152–13 4.0b **¶622452115**
SJA IX 15 21 19 27.9–.70 28.81S 67.24W 134–3 3.8L,3.6W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.5km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=1.8km s-min=1.7km az=-1.0. Presumed earthquake.

(139) Mendoza Province.

SJA VII 03 17 37 45.3–.71 33.11S 68.04W 14 3.6L,3.5W
¶620969481
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.5km az=-1.0. Presumed earthquake.
ISC VII 18 16 29 49.9–1.0 32.85S–.02 69.24W–.02 13–8 3.9b 95 0-154
IDC VII 18 16 29 43.8–.96 33.28S 69.00W 0 3.8b,3.7L **¶620928833**
SJA VII 18 16 29 50.2–.95 32.83S 69.28W 8–3 3.7L,3.6W
GUC VII 18 16 29 51.1–.61 32.85S 69.25W 14–2 3.6L,3.6W
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=12.8km az=112.0.
SJA Event type se. Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0. Presumed earthquake.
SJA VII 23 07 42 58.6–.90 32.22S 67.10W 13 3.9L,3.7W
¶620967875
SJA Event type se. Error ellipse: s-maj=2.3km s-min=1.7km az=-1.0. Presumed earthquake.
SJA X 07 23 53 25.0–.84 33.95S 68.02W 223–7 3.7L,3.6W
¶621143948
SJA Event type se. Error ellipse: s-maj=3.0km s-min=3.4km az=-1.0. Presumed earthquake.
ISC VIII 22 13 45 17.7–1.2 32.86S–.03 67.19W–.03 27–9 4.2b 87 1-153
IDC VIII 22 13 45 13.8–.67 32.81S 67.06W 0 4.1b,3.9 **¶620999553**
SJA VIII 22 13 45 15.6–.70 32.87S 67.26W 21–3 4.0W,3.8L
NEIC VIII 22 13 45 16.3–1.5 32.90S–.04 67.17W–.08 10–1 4.2b,3.8L
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 29 07 53 56.7–.45 33.21S–.02 68.20W–.02 19–1 5.2b,4.2s 540 1-175
SJA IX 29 07 53 56.0–.82 33.23S 68.25W 14 5.2L,5.0W **¶621112446**
NEIC IX 29 07 53 56.1–2.3 33.169S–.01 68.18W–.04 10–1 5.2b,4.8
NEIC IX 29 07 53 56.8 33.17S 68.18W 13 5.2b,4.8
NEIC IX 29 07 53 56.1 33.16S 68.18W 10 5.2b,4.8
GFZ IX 29 07 53 57.2–.17 33S–2.0 68W–2.0 19–1 6.1,6.1
GUC IX 29 07 53 58.2–.80 33.22S 68.38W 7–6 5.0L,6.1
IDC IX 29 07 53 58.1–1.9 33.16S 68.17W 27–12 4.8,4.6b
VAO IX 29 07 53 59.3–.36 33.08S 68.09W 30 5.2b,4.6b
NEIC IX 29 07 53 59.6 33.26S 68.18W 20 4.9,4.6b
GCMT IX 29 07 54 00.0–.40 33.33S–.03 68.15W–.04 28–1 5.0W,4.6b
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.34 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.38 $M_{r\theta}$0.21 $M_{\theta\phi}$0.22 $M_{\phi r}$1.10 NP1:ϕ_s3.70000°,δ64.82000°,λ101.21000°. NP2:ϕ_s158.72000°,δ27.41000°,λ67.54000°. Principal axes: T 1.7709,Plg68.0000°,Azm295.0000°; N 0.0135,Plg10.0000°,Azm179.0000°; P -1.7844,Plg19.0000°,Azm85.0000° $M_0$1.78000×10^{16}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GUC Event type se. Presumed earthquake.
VAO Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ4 Moment tensor: Scale 10^{16}Nm; M_{rr}1.05 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-1.81 $M_{r\theta}$-0.67 $M_{\theta\phi}$0.32 $M_{\phi r}$1.80 NP1:ϕ_s199.56000°,δ22.56000°,λ129.52000°. NP2:ϕ_s337.79000°,δ72.78000°,λ75.19000°. Principal axes: T 2.0941,Plg60.0000°,Azm227.0000°; N 0.6859,Plg14.0000°,Azm342.0000°; P -2.7800,Plg26.0000°,Azm79.0000° $M_0$2.51000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109290753A. Moment Tensor Solution. s34,c40; s54,c68; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.06±.21 $M_{\theta\theta}$-0.14±.13; $M_{\phi\phi}$-2.91±.14; $M_{r\theta}$-0.18±.30; $M_{\theta\phi}$-0.56±.10; $M_{\phi r}$2.36±.25; Best double couple: NP1:ϕ_s200.00000°,δ27.00000°,λ106.00000°. NP2:ϕ_s2.00000°,δ64.00000°,λ82.00000°. Principal axes: T 3.9120,Plg70.0000°,Azm255.0000°; N -0.1170,Plg7.0000°,Azm5.0000°; P -3.7900,Plg19.0000°,Azm98.0000° $M_0$3.85100×10^{16}
ISC VIII 12 02 39 46.1–.63 32.42S–.02 69.82W–.03 128–5 3.9b 158 1-154
IDC VIII 12 02 39 29.3–1.7 33.05S 69.91W 0 4.0L,3.6 **¶620983370**
SJA VIII 12 02 39 44.9–.63 32.43S 69.76W 128–3 3.7W,3.5L
NEIC VIII 12 02 39 46.0–1.3 32.38S–.04 69.81W–.06 121–6 4.2b,3.7L
GUC VIII 12 02 39 45.7–.67 32.43S 69.96W 134–2 3.7L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=55.3km s-min=33.8km az=177.0.
SJA Event type se. Error ellipse: s-maj=1.5km s-min=2.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.5km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0. Presumed earthquake.
GUC XI 18 11 27 06.7–.77 32.08S 69.09W 136–5 2.5L
¶625537238
GUC Event type se. Error ellipse: s-maj=2.2km s-min=4.5km az=-1.0. Presumed earthquake.
ISC XI 19 07 19 13.5–.81 33.57S–.05 67.85W–.04 218–7 76 1-71
NEIC XI 19 07 19 12.8–1.2 33.65S–.08 67.6W–.20 204–8 4.0b **¶622511733**
SJA XI 19 07 19 14.6–.81 33.60S 67.79W 200 3.8L,3.6W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.6km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Event type se. Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0. Presumed earthquake.

(140) San Luis Province.

ISC VII 26 01 05 16.1–.77 32.56S–.04 65.68W–.03 17–4 4.3b 157 0-171
SJA VII 26 01 05 14.5–.58 32.58S 65.82W 8 4.2L,3.9W **¶620845961**
VAO VII 26 01 05 15.0–.74 32.54S 65.64W 10 4.3b,3.9W
NEIC VII 26 01 05 15.5–1.4 32.55S–.07 65.65W–.03 10–1 4.5b,3.9W
IDC VII 26 01 05 21.5–2.5 32.62S 65.88W 60–22 3.9,3.8L
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.4km s-min=1.1km az=-1.0. Presumed earthquake.
VAO Event type se. Error ellipse: s-maj=4.9km s-min=3.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=4.7km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=17.0km az=51.0.
ISC XII 31 13 59 38.8–.84 33.49S–.04 65.68W–.04 45–9 4.2b,3.6s 172 1-172
SJA XII 31 13 59 32.5–.67 33.55S 65.62W 16–8 4.6L,4.4W **¶621657728**
IDC XII 31 13 59 33.1–.76 33.52S 65.76W 0 4.0L,3.8b
NEIC XII 31 13 59 35.2–.77 33.46S–.07 65.74W–.09 9–5 4.3b,3.8b
GFZ XII 31 13 59 38.1–.22 33S–2.0 66W–2.0 40 5.4b,4.9
VAO XII 31 13 59 38.0–.35 33.49S 65.69W 40 4.8b,4.9
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.4km s-min=6.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.0km s-min=12.2km az=76.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.0km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0. Presumed earthquake.

SEISMIC REGION 9.
Extreme South America.

(143) Off coast of southern Chile.

ISC VII 05 07 57 06.0–2.9 40.11S–.04 74.94W–.05 8–19 4.5b 110 1-92
IDC VII 05 07 57 05.0–.98 40.12S 75.26W 0 4.2L,3.9 **¶620927941**
SJA VII 05 07 57 06.6–.75 40.21S 74.94W 21–5 4.1L,3.9W
NEIC VII 05 07 57 06.5–1.1 40.15S–.04 75.02W–.08 10–1 4.5b,4.1L
GUC VII 05 07 57 08.5–.59 40.23S 74.91W 20 4.2L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=18.6km az=78.0.
SJA Event type se. Error ellipse: s-maj=3.6km s-min=9.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.0km az=299.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=2.3km s-min=3.9km az=-1.0. Presumed earthquake.
ISC VIII 01 03 15 01.6–3.9 43.25S–.05 75.78W–.08 24–27 4.6b,3.5s 106 2-174
SJA VIII 01 03 14 56.5–.69 43.25S 75.80W 16–9 3.5L,3.5W **¶620925409**
IDC VIII 01 03 14 58.1–.72 43.24S 76.30W 0 4.2L,4.2b
GUC VIII 01 03 14 58.2–.33 43.36S 75.75W 20–2 4.2L,4.2b
NEIC VIII 01 03 14 59.3 43.19S 75.82W 10 4.2L,4.2b
NEIC VIII 01 03 14 59.3–1.9 43.18S–.05 75.8W–.10 10–1 4.7b,4.7
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.71 $M_{\theta\theta}$0.78 $M_{\phi\phi}$1.94 $M_{r\theta}$0.45 $M_{\theta\phi}$0.50 $M_{\phi r}$0.22 NP1:ϕ_s15.14000°,δ40.98000°,λ-98.85000°. NP2:ϕ_s206.79000°,δ49.61000°,λ-82.39000°. Principal axes: T 2.1516,Plg4.0000°,Azm291.0000°; N 0.6237,Plg6.0000°,Azm22.0000°; P -2.7753,Plg83.0000°,Azm165.0000° $M_0$2.52000×10^{15}
ISC X 06 01 55 35.6–1.6 45.69S–.08 77.8W–.10 35 47 3-43
NEIC X 06 01 55 33.3–1.2 45.70S–.02 77.7W–.20 10–2 4.5,4.2b **¶621126145**
GUC X 06 01 55 44.0–.72 45.38S 76.76W 45–999 4.0L,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=3.0km az=266.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=15.3km s-min=101.7km az=-1.0. Presumed earthquake.
NEIC VIII 09 10 29 05.8–1.5 45.71S–.04 76.9W–.20 10–2 4.4b
¶620979396
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 18 22 23 37.1–.43 45.67S–.05 77.17W–.06 10 4.8b,4.5s 150 3-173
IDC X 18 22 23 34.9–.81 45.75S 77.50W 0 4.5s,4.3b **¶621211167**
GUC X 18 22 23 35.0–.37 45.59S 77.11W 5–18 3.9L,4.3b
NEIC X 18 22 23 37.1–2.1 45.68S–.06 77.1W–.20 10–1 5.0b,4.1L
NEIC X 18 22 23 37.1 45.68S 77.05W 10 5.0b,4.1L
GFZ X 18 22 23 39.8–.39 46S–3.0 77W–6.0 10 5.5b,5.2
GCMT X 18 22 23 39.4–.20 45.73S–.01 77.36W–.01 12–1 5.1W,5.2
NEIC X 18 22 23 40.6 45.68S 77.48W 12 5.1,5.2
VAO X 18 22 23 48.1–1.8 45.31S 76.07W 10 4.6b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=13.9km az=102.0.
GUC Event type se. Error ellipse: s-maj=3.3km s-min=21.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.8km az=266.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110182223A. Moment Tensor Solution. s67,c87; s126,c209; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.25±.10 $M_{\theta\theta}$1.80±.10; $M_{\phi\phi}$-2.05±.10; $M_{r\theta}$-0.65±.26; $M_{\theta\phi}$-4.94±.10; $M_{\phi r}$-1.41±.30; Best double couple: NP1:ϕ_s80.00000°,δ78.00000°,λ-172.00000°. NP2:ϕ_s349.00000°,δ82.00000°,λ-12.00000°. Principal axes: T 5.1910,Plg3.0000°,Azm35.0000°; N 0.6250,Plg75.0000°,Azm137.0000°; P -5.8120,Plg14.0000°,Azm304.0000° $M_0$5.50200×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ9 Moment tensor: Scale 10^{16}Nm; M_{rr}0.07 $M_{\theta\theta}$1.70 $M_{\phi\phi}$-1.77 $M_{r\theta}$-3.35 $M_{\theta\phi}$-4.53 $M_{\phi r}$-0.23 NP1:ϕ_s350.67000°,δ55.62000°,λ2.47000°. NP2:ϕ_s259.28000°,δ87.96000°,λ145.59000°. Principal axes: T 6.0621,Plg25.0000°,Azm209.0000°; N -0.3252,Plg56.0000°,Azm76.0000°; P -5.7368,Plg22.0000°,Azm310.0000° $M_0$5.91000×10^{16}
VAO Event type se. Error ellipse: s-maj=23.6km s-min=13.4km az=-1.0. Presumed earthquake.
ISC X 18 18 32 16.1–.41 45.66S–.05 77.03W–.07 10 4.7b,4.3s 165 3-177
IDC X 18 18 32 14.8–.68 45.78S 77.12W 0 4.3s,4.1b **¶621208899**
NEIC X 18 18 32 15.7–1.8 45.68S–.07 77.1W–.20 10–1 4.7b,4.1b
GCMT X 18 18 32 15.4–.20 45.73S–.01 77.41W–.02 17–1 5.0W,4.1b
GFZ X 18 18 32 18.1–.31 46S–2.0 77W–5.0 10 5.7b,5.6
GUC X 18 18 32 20.3–.66 45.23S 76.57W 6–10 3.7L,5.6
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=14.3km az=100.0.

NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.8km az=266.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110181832A. Moment Tensor Solution. s39,c56; s120,c182; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.10±.11 $M_{\theta\theta}$1.84±.11; $M_{\phi\phi}$-1.94±.10; $M_{r\theta}$-0.59±.27; $M_{\theta\phi}$-3.88±.09; $M_{\phi r}$-0.47±.26; Best double couple: NP1:ϕ_s347.00000°,δ81.00000°,λ-4.00000°. NP2:ϕ_s77.00000°,δ86.00000°,λ-171.00000°. Principal axes: T 4.2810,Plg3.0000°,Azm212.0000°; N 0.1960,Plg80.0000°,Azm101.0000° ; P -4.4780,Plg9.0000°,Azm302.0000° $M_0$4.37900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GUC Event type se. Error ellipse: s-maj=8.9km s-min=10.8km az=-1.0. Presumed earthquake.
ISC X 20 01 21 27.9–2.3 45.6S–.10 77.7W–.20 10 30 3-20
NEIC X 20 01 21 28.3–1.2 45.65S–.08 77.7W–.20 10–2 4.2b **¶621221484**
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 22 12 31.9–3.8 40.12S–.04 74.89W–.06 8–24 4.6b,4.0s 161 1-159
SJA XII 14 22 12 29.7–.72 40.17S 75.11W 40 4.2W,3.8L **¶621630102**
IDC XII 14 22 12 30.9–.83 40.21S 75.07W 0 4.4L,4.2b
GUC XII 14 22 12 31.1–.84 40.12S 74.92W 24–13 4.1L,4.2b
NEIC XII 14 22 12 32.2–1.9 40.25S–.04 74.83W–.08 10–1 4.7b,4.1
NEIC XII 14 22 12 32.2 40.26S 74.84W 10 4.7b,4.1
GFZ XII 14 22 12 33.0–.32 40S–2.0 75W–5.0 10 5.5b,4.9
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.36 $M_{\theta\theta}$0.43 $M_{\phi\phi}$0.93 $M_{r\theta}$-0.18 $M_{\theta\phi}$0.98 $M_{\phi r}$-0.70 NP1:ϕ_s26.01000°,δ57.96000°,λ-104.35000°. NP2:ϕ_s231.75000°,δ34.79000°,λ-68.40000°. Principal axes: T 1.8332,Plg12.0000°,Azm126.0000°; N -0.2675,Plg12.0000°,Azm34.0000°; P -1.5657,Plg73.0000°,Azm259.0000° $M_0$1.72000×10^{15}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC X 28 06 23 33.5–1.2 44.24S–.09 78.60W–.10 10 4.4b 43 4-46
NEIC X 28 06 23 33.5–1.4 44.23S–.08 78.90W–.07 10–2 4.3b,3.9L **¶622506028**
GUC X 28 06 23 36.2–.35 44.28S 78.36W 15–136 3.9L,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.0km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=6.9km s-min=115.2km az=-1.0. Presumed earthquake.
ISC X 24 17 29 27.1–4.4 44.92S–.06 75.99W–.08 7–28 4.3b 92 2-173
GFZ X 24 17 29 26.3–.86 45S–5.0 76W–9.0 10 5.8b,5.4 **¶621238312**
IDC X 24 17 29 26.4–1.1 44.96S 76.33W 0 4.4L,4.1
NEIC X 24 17 29 28.6–1.8 44.90S–.06 76.0W–.10 10–1 4.4b,4.0
GUC X 24 17 29 29.7–.43 44.90S 75.91W 25–6 3.6L,4.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=38.6km s-min=14.7km az=119.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=9.8km az=271.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=15.5km s-min=4.0km az=-1.0. Presumed earthquake.
ISC XII 16 21 28 30.7–.59 43.48S–.05 76.28W–.08 10 4.6b 135 2-174
GUC XII 16 21 28 27.5–.56 43.47S 76.52W 20 3.9L **¶621631477**
IDC XII 16 21 28 29.4–.92 43.41S 76.47W 0 4.3b,4.3
NEIC XII 16 21 28 29.6–1.8 43.36S–.06 76.3W–.10 10–1 4.6b,3.9L
GFZ XII 16 21 28 31.7–.33 43S–3.0 76W–4.0 10 5.5b,5.0
VAO XII 16 21 28 46.0–2.5 41.56S 75.83W 10 4.7b,5.0
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=4.1km s-min=30.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=23.2km s-min=16.5km az=127.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.8km az=271.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Error ellipse: s-maj=30.1km s-min=17.0km az=-1.0. Presumed earthquake.

(144) Southern Chile.

ISC X 17 16 14 23.2–.58 50.64S–.05 73.82W–.09 35 4.2b 52 1-170
SJA X 17 16 14 11.7–.87 50.86S 75.06W 27–15 4.2L,4.2W **¶621205040**
IDC X 17 16 14 16.4–.89 50.80S 74.71W 0 3.9b,3.9
GUC X 17 16 14 20.3–.36 50.48S 73.94W 10 4.3L,3.9
NEIC X 17 16 14 20.6–1.2 50.52S–.04 73.8W–.20 16–4 4.3b,4.3L
ISC Event type se.
SJA Event type se. Presumed earthquake.
GUC Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 07 04 24.1–.57 42.26S–.03 72.16W–.05 150–5 4.4b 152 0-161
SJA X 16 07 04 23.6–1.0 42.31S 72.24W 161–6 4.1W,3.6L **¶621204560**
NEIC X 16 07 04 24.8–1.8 42.28S–.05 72.2W–.10 146–5 4.5b,3.3L
GUC X 16 07 04 25.2–.69 42.29S 72.34W 144–3 3.3L,3.3L
IDC X 16 07 04 26.8–1.5 42.23S 71.64W 164–11 4.3,3.9b
VAO X 16 07 04 28.8–2.4 41.84S 71.18W 146 4.4b,3.9b
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=3.5km s-min=11.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.4km az=73.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.3km s-min=4.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=25.7km s-min=15.2km az=84.0.
VAO Event type se. Error ellipse: s-maj=30.3km s-min=12.4km az=-1.0. Presumed earthquake.
SJA X 22 06 45 29.2–1.1 50.84S 74.67W 10–7 3.3W,3.0L
¶625829861
SJA Event type se. Error ellipse: s-maj=4.5km s-min=10.5km az=-1.0. Presumed earthquake.
GUC XI 05 19 23 41.6–.80 47.07S 75.86W 10–8 4.1L
¶621385314
GUC Event type se. Error ellipse: s-maj=3.1km s-min=13.0km az=-1.0. Presumed earthquake.
SJA X 19 09 42 50.6–.53 50.58S 73.71W 26–4 3.6W,3.4L
¶625829839
SJA Event type se. Error ellipse: s-maj=2.4km s-min=9.2km az=-1.0. Presumed earthquake.

(145) Southern Chile-Argentina border region.

ISC VII 12 10 02 13.6–.64 40.04S–.04 71.46W–.07 169–6 4.5b 106 0-77
IDC VII 12 10 02 11.8–4.6 40.14S 70.82W 111–47 4.2,4.0b **¶620928481**
NEIC VII 12 10 02 12.5–2.4 40.18S–.06 70.7W–.10 135–6 4.4b,4.0b
GUC VII 12 10 02 14.9–.66 40.14S 71.64W 170–3 3.4L,4.0b
SJA VII 12 10 02 14.5–.57 40.11S 71.53W 167–5 3.7L,3.6W
ISC Event type se.
IDC Error ellipse: s-maj=65.6km s-min=25.2km az=108.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.7km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=1.9km s-min=4.7km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=3.9km s-min=6.1km az=-1.0. Presumed earthquake.
ISC X 15 14 39 51.3–1.5 50.35S–.03 72.5W–.10 9–12 24 1-5
GUC X 15 14 39 52.8–.56 50.35S 72.44W 39–3 4.1L **¶625233647**
SJA X 15 14 39 54.2–.61 50.49S 72.57W 8 3.6W,3.5L
ISC Event type se.
GUC Event type se. Error ellipse: s-maj=1.5km s-min=9.3km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=4.6km s-min=45.0km az=-1.0. Presumed earthquake.
ISC X 01 20 58 39.5–1.4 37.25S–.03 71.65W–.09 129–11 56 1-5
SJA X 01 20 58 38.4–.71 37.28S 71.55W 137–7 3.5L,3.4W **¶625233345**
GUC X 01 20 58 40.0–.74 37.29S 71.45W 124–5 3.8L,3.4W
ISC Event type se.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=7.0km az=-1.0. Presumed earthquake.
GUC Event type se. Error ellipse: s-maj=2.0km s-min=7.0km az=-1.0. Presumed earthquake.
ISC X 13 07 55 29.6–.43 50.28S–.02 72.25W–.05 7–2 5.3b,5.0s 653 1-178
SJA X 13 07 55 25.6–13 50.31S 72.23W 10 5.5L,5.5W **¶621146567**
NEIC X 13 07 55 29.2–1.7 50.32S–.04 72.3W–.10 10–1 5.4,5.4
GUC X 13 07 55 29.8–.56 50.29S 72.26W 24–5 5.5L,5.4
IDC X 13 07 55 29.3–.36 50.27S 72.18W 0 5.2b,5.2
GFZ X 13 07 55 30.8–.27 50S–2.0 72W–6.0 10 6.0L,5.9b
VAO X 13 07 55 30.7–.32 50.29S 72.27W 10 5.3b,5.9b
GFZ X 13 07 55 31.5 50.33S 72.28W 10 5.4W,5.9b
MOS X 13 07 55 31.1–1.1 50.18S 72.00W 17 5.7b,4.9s
GCMT X 13 07 55 33.2–.10 50.40S–.01 72.33W–.01 12 5.5W,4.9s
ISC Event type se.
SJA Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
VAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.92 $M_{\theta\theta}$0.62 $M_{\phi\phi}$-1.54 $M_{r\theta}$0.27 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.45 NP1: ϕ_s167.88044°,δ41.74797°,λ47.46030°. NP2:ϕ_s38.76682°,δ60.61943°,λ121.10679°. Principal axes: T 1.0783,Plg60.9825°,Azm357.6272°; N 0.7610,Plg26.7556°,Azm202.2763° ; P -1.8393,Plg10.4074°,Azm106.9632° $M_0$1.60072×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110130755A. Moment Tensor Solution. s101,c156; s142,c266;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.02 $M_{\theta\theta}$0.64±.02; $M_{\phi\phi}$-1.83±.02; $M_{r\theta}$0.63±.06; $M_{\theta\phi}$-0.77±.02; $M_{\phi r}$-0.36±.06; Best double couple: NP1: ϕ_s48.00000°,δ53.00000°,λ140.00000°. NP2:ϕ_s165.00000°,δ59.00000°,λ44.00000°. Principal axes: T 1.7580,Plg52.0000°,Azm19.0000°; N 0.3060,Plg38.0000°,Azm193.0000° ; P -2.0590,Plg3.0000°,Azm285.0000° $M_0$1.90900×10^{17}
IDC XII 24 13 08 03.3–352 37.24S 71.46W 0
¶621700085
IDC Error ellipse: s-maj=132.0km s-min=79.3km az=172.0.
IDC XII 07 00 09 14.1–278 37.29S 71.38W 0
¶621632630
IDC Error ellipse: s-maj=114.9km s-min=78.5km az=163.0.

(146) Southern Argentina.

ISC VII 18 21 07 40.7–1.8 38.06S–.03 68.54W–.06 3–13 54 2-44
NEIC VII 18 21 07 44.0–1.8 37.91S–.06 68.6W–.10 14–6 4.3b,3.9L **¶622450707**
GUC VII 18 21 07 44.6–.51 37.89S 68.59W 10 3.7L,3.9L
SJA VII 18 21 07 45.4–.59 38.23S 68.71W 4–2 3.8W,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.7km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=3.1km s-min=7.0km az=-1.0. Presumed earthquake.
SJA Event type se. Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0. Presumed earthquake.
SJA VIII 22 14 38 43.9–.65 38.57S 69.15W 8–1 3.8W,3.7L
¶625829305
SJA Event type se. Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0. Presumed earthquake.

SEISMIC REGION 10.
Southern Antilles.

(148) Falkland Islands region.

ISC IX 23 20 47 33.7–.77 54.44S–.08 56.92W–.08 10 4.4b 19 3-153
IDC IX 23 20 47 32.9–1.6 54.48S 55.50W 0 4.2L,3.9b **¶621125883**
NEIC IX 23 20 47 34.1–1.7 54.42S–.06 57.0W–.20 10–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(149) Drake Passage.

ISC X 08 18 06 13.1–.68 56.57S–.06 69.29W–.08 10 4.5b 48 2-57
NEIC X 08 18 06 13.6–1.2 56.57S–.03 69.1W–.20 10–1 4.4b **¶621140979**
GUC X 08 18 06 14.1–.57 56.61S 69.28W 15–19 4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=4.4km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Event type se. Error ellipse: s-maj=8.4km s-min=41.2km az=-1.0. Presumed earthquake.

(150) Scotia Sea.

ISC VIII 03 23 06 32.0–.48 60.30S–.07 50.04W–.08 10 4.2b,3.6s 41 3-150
IDC VIII 03 23 06 30.4–.88 60.23S 50.23W 0 3.9b,3.9 **¶620970269**
NEIC VIII 03 23 06 31.4–2.6 60.37S–.06 49.8W–.10 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 22 40 29.4–.30 61.12S–.05 39.00W–.07 10 5.1b,4.4s 186 7-168
IDC VIII 31 22 40 28.8–.50 61.04S 38.97W 0 4.7L,4.5 **¶621012672**
NEIC VIII 31 22 40 28.4 61.19S 39.10W 10 4.7L,4.5
NEIC VIII 31 22 40 28.4–1.1 61.19S–.06 39.1W–.20 10–1 5.2b,4.5
NEIC VIII 31 22 40 29 60.89S 38.48W 26 5.3,4.5
GFZ VIII 31 22 40 29.1–.21 61S–4.0 39W–5.0 10 5.0b,5.0
GCMT VIII 31 22 40 32.6–.10 61.28S–.01 38.92W–.02 25–0 5.3W,5.0
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.07 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$0.11 $M_{r\theta}$0.35 $M_{\theta\phi}$1.08 $M_{\phi r}$0.36 NP1:ϕ_s353.84000°,δ73.27000°,λ164.73000°. NP2:ϕ_s88.33000°,δ75.39000°,λ17.30000°. Principal axes: T 1.2647,Plg22.0000°,Azm311.0000°; N -0.1390,Plg67.0000°,Azm127.0000° ; P -1.1256,Plg1.0000°,Azm221.0000° $M_0$1.20000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108312240A. Moment Tensor Solution. s91,c137; s135,c249;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06±.02 $M_{\theta\theta}$0.10±.02; $M_{\phi\phi}$-0.04±.02; $M_{r\theta}$-0.11±.04; $M_{\theta\phi}$1.06±.01; $M_{\phi r}$0.19±.04; Best double couple: NP1:ϕ_s91.00000°,δ80.00000°,λ-7.00000°. NP2:ϕ_s183.00000°,δ83.00000°,λ-170.00000°. Principal axes: T 1.0950,Plg2.0000°,Azm317.0000°; N -0.0170,Plg78.0000°,Azm215.0000° ; P -1.0790,Plg12.0000°,Azm47.0000° $M_0$1.08700×10^{17}
ISC IX 02 17 58 55.9–.38 60.31S–.06 48.81W–.05 10 4.6b,3.6s 117 2-157
IDC IX 02 17 58 54.9–.62 60.16S 48.56W 0 4.3b,4.3 **¶621023707**
NEIC IX 02 17 58 55.3–1.9 60.38S–.08 48.6W–.10 10–1 4.7b,4.3
GFZ IX 02 17 58 57.4–.21 60S–4.0 49W–4.0 10 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 22 13 18 58.3–.52 60.28S–.07 45.81W–.07 10 4.2b,3.6s 44 1-148
IDC XII 22 13 18 57.8–.85 60.18S 45.62W 0 4.3L,4.2b **¶621686769**
NEIC XII 22 13 18 57.9–1.2 60.33S–.07 45.8W–.10 10–2 4.3b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 20 08 21 06.2–.38 61.12S–.06 37.31W–.08 10 4.8b,3.8s 160 4-149
GFZ XI 20 08 21 04.8–.20 61S–4.0 36W–5.0 10 5.8b,5.3 **¶621425229**
IDC XI 20 08 21 05.5–.63 61.06S 37.34W 0 4.7L,4.5b
NEIC XI 20 08 21 06.8–1.0 61.08S–.08 37.6W–.20 10–1 4.9b,4.5b
GCMT XI 20 08 21 09.5–.20 61.44S–.01 37.40W–.03 27–1 5.0W,4.5b
ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111200821A. Moment Tensor Solution. s53,c74; s105,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.16 $M_{\theta\theta}$1.53±.12; $M_{\phi\phi}$-1.06±.13; $M_{r\theta}$-0.11±.23; $M_{\theta\phi}$4.42±.11; $M_{\phi r}$0.62±.24; Best double couple: NP1:ϕ_s98.00000°,δ82.00000° ,λ-4.00000°. NP2:ϕ_s188.00000°,δ87.00000°,λ-172.00000°. Principal axes: T 4.8560,Plg3.0000°,Azm323.0000°; N -0.4090,Plg81.0000°,Azm212.0000° ; P -4.4500,Plg8.0000°,Azm53.0000° $M_0$4.65300×10^{16}

(151) South Georgia Island region.

ISC	**XI**	**04 08 10 43.7–.58**	**55.21S–.09**	**36.0W–.10**	**10**	**4.5b**	**36**	**1-147**
IDC	XI	04 08 10 42.7–1.1	55.23S	36.06W	0	4.2b,4.2		**¶621412284**
NEIC	XI	04 08 10 44.0–1.2	55.22S–.05	36.04W–.09	10–1	4.6b,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**16 01 20 39.5–.24**	**56.45S–.05**	**36.40W–.06**	**10**	**5.3b,4.2s**	**376**	**2-170**
NEIC	IX	16 01 20 39.1–1.6	56.48S–.06	36.5W–.20	10–1	5.4b,5.3		**¶621079022**
GFZ	IX	16 01 20 41.6–.24	56S–3.0	36W–4.0	10	5.8b,5.3		
MOS	IX	16 01 20 43.7–.86	56.66S	37.08W	47	5.4b,5.3		
GCMT	IX	16 01 20 43.4–.20	56.42S–.02	36.24W–.01	12	5.1W,5.3		
IDC	IX	16 01 20 46.4–4.0	56.39S	36.18W	59–35	4.9,4.7b		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=16.3km s-min=10.5km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
MOS	Error ellipse: s-maj=25.1km s-min=10.3km az=109.9.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109160120A. Moment Tensor Solution. s51,c76; s113,c175; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.51±.12 $M_{\theta\theta}$1.56±.13; $M_{\phi\phi}$-5.07±.09; $M_{r\theta}$-3.38±.39; $M_{\theta\phi}$1.12±.09; $M_{\phi r}$0.37±.26; Best double couple: NP1:ϕ_s201.00000°,δ49.00000° ,λ141.00000°. NP2:ϕ_s319.00000°,δ62.00000°,λ48.00000°. Principal axes: T 6.0660,Plg53.0000°,Azm177.0000°; N -0.6980,Plg36.0000°,Azm342.0000° ; P -5.3680,Plg7.0000°,Azm77.0000° $M_0$5.71700×10^{16}							
IDC	Error ellipse: s-maj=21.7km s-min=12.1km az=62.0.							
ISC	**XI**	**03 05 36 44.9–.49**	**55.06S–.10**	**32.23W–.10**	**10**	**4.6b,3.8s**	**81**	**3-154**
IDC	XI	03 05 36 43.4–.80	55.07S	32.10W	0	4.1b,4.1		**¶621256500**
NEIC	XI	03 05 36 45.3–1.2	55.1S–.10	32.3W–.20	10–1	4.7b,4.1		
GFZ	XI	03 05 36 46.2–.42	55S–7.0	32W–8.0	10	4.6b,4.6		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**XI**	**02 05 38 59.6–.74**	**55.0S–.10**	**32.1W–.20**	**10**	**4.3b,3.7s**	**10**	**29-153**
IDC	XI	02 05 38 58.0–.77	55.00S	32.05W	0	4.2b,4.2		**¶621401328**
ISC	Event type se.							
IDC	Error ellipse: s-maj=26.1km s-min=21.2km az=61.0.							

(153) South Sandwich Islands region.

ISC	**VII**	**01 06 28 32.4–.87**	**55.4S–.10**	**27.3W–.30**	**10**	**4.2b**	**13**	**17-151**
IDC	VII	01 06 28 30.7–.85	55.48S	27.32W	0	4.6L,4.4b		**¶620714058**
ISC	Event type se.							
IDC	Error ellipse: s-maj=42.0km s-min=21.0km az=79.0.							
ISC	**VII**	**04 18 06 30.4–1.0**	**56.0S–.20**	**27.5W–.10**	**112**	**4.3b**	**25**	**5-151**
IDC	VII	04 18 06 31.6–15	55.90S	27.41W	126–126	4.8L,4.4		**¶620733902**
NEIC	VII	04 18 06 32.2–1.2	56.2S–.20	27.8W–.30	115–12	4.5b,4.4		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**04 18 16 44.5–.36**	**55.75S–.06**	**27.59W–.07**	**37–5**	**5.1b,3.9s**	**225**	**5-154**
IDC	VII	04 18 16 39.0–.46	55.74S	27.49W	0	4.8L,4.8b		**¶620733589**
NEIC	VII	04 18 16 44.6–2.2	55.85S–.06	27.5W–.20	35–1	5.2b,4.8b		
GFZ	VII	04 18 16 45.8–.46	56S–4.0	27W–4.0	42–4	5.1b,5.1		
GCMT	VII	04 18 16 45.0–.40	55.65S–.03	27.41W–.05	39–1	5.0W,5.1		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107041816A. Moment Tensor Solution. s29,c31; s57,c74; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.48±.28 $M_{\theta\theta}$-0.75±.20; $M_{\phi\phi}$-2.73±.21; $M_{r\theta}$0.66±.18; $M_{\theta\phi}$1.48±.10; $M_{\phi r}$1.33±.12; Best double couple: NP1:ϕ_s136.00000°,δ40.00000° ,λ64.00000°. NP2:ϕ_s349.00000°,δ54.00000°,λ111.00000°. Principal axes: T 3.9540,Plg72.0000°,Azm311.0000°; N -0.3260,Plg17.0000°,Azm156.0000° ; P -3.6320,Plg7.0000°,Azm64.0000° $M_0$3.79300×10^{16}							
ISC	**VII**	**04 23 44 42.4–.59**	**57.85S–.09**	**26.4W–.10**	**145**	**4.1b**	**30**	**7-152**
IDC	VII	04 23 44 40.8–7.7	57.85S	26.53W	123–72	4.2,3.9b		**¶620927914**
NEIC	VII	04 23 44 40.0–1.6	57.8S–.10	26.3W–.20	115–10	4.4b,3.9b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**05 02 27 51.4–.69**	**58.4S–.10**	**24.7W–.20**	**10**	**4.3b,3.5s**	**32**	**8-154**
IDC	VII	05 02 27 49.6–1.7	58.27S	24.93W	0	4.6L,4.2		**¶620754138**
NEIC	VII	05 02 27 52.1–1.6	58.4S–.10	24.3W–.30	10–1	4.3b,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**06 09 37 35.2–.55**	**60.64S–.09**	**25.7W–.10**	**19**	**4.5b,3.6s**	**46**	**9-154**
NEIC	VII	06 09 37 34.3–.90	60.5S–.10	25.8W–.30	10–1	4.6b,3.6s		**¶620928019**
IDC	VII	06 09 37 34.7–1.5	60.58S	26.57W	0	4.2L,4.1b		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=25.3km s-min=13.9km az=227.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=76.8km s-min=14.7km az=59.0.							
ISC	**VII**	**06 22 51 10.8–.73**	**55.5S–.10**	**27.8W–.10**	**26**	**4.2b**	**35**	**5-151**
IDC	VII	06 22 51 07.6–1.1	55.51S	27.74W	0	4.1b,4.1		**¶620913544**
NEIC	VII	06 22 51 08.8–1.4	55.5S–.10	27.82W–.10	10–1	4.4b,4.1		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**07 18 24 18.7–.30**	**55.88S–.06**	**26.48W–.07**	**10**	**5.0b,4.8s**	**177**	**6-176**
IDC	VII	07 18 24 16.9–.47	55.77S	26.34W	0	4.8b,4.7		**¶620758703**
NEIC	VII	07 18 24 19.0–1.6	55.88S–.09	26.5W–.20	10–1	5.1b,4.7		
BJI	VII	07 18 24 19.0	55.90S	26.40W	10	5.2s,5.0		
GFZ	VII	07 18 24 20.2–.19	56S–4.0	26W–4.0	10	4.9b,4.9		
GCMT	VII	07 18 24 23.8–.30	55.98S–.03	26.24W–.04	17–1	4.9W,4.9		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107071824A. Moment Tensor Solution. s26,c29; s71,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.58±.21 $M_{\theta\theta}$-0.80±.15; $M_{\phi\phi}$-1.78±.13; $M_{r\theta}$1.70±.46; $M_{\theta\phi}$1.43±.08; $M_{\phi r}$0.60±.33; Best double couple: NP1:ϕ_s348.00000°,δ45.00000° ,λ130.00000°. NP2:ϕ_s118.00000°,δ57.00000°,λ57.00000°. Principal axes: T 3.5280,Plg62.0000°,Azm333.0000°; N -0.6720,Plg27.0000°,Azm138.0000° ; P -2.8580,Plg6.0000°,Azm231.0000° $M_0$3.19300×10^{16}							
ISC	**VII**	**07 19 10 44.6–1.0**	**55.8S–.20**	**26.5W–.30**	**35**	**3.9b**	**7**	**19-150**
IDC	VII	07 19 10 39.4–1.0	55.73S	26.48W	0	4.0b,3.9		**¶620928136**
ISC	Event type se.							
IDC	Error ellipse: s-maj=43.9km s-min=21.8km az=77.0.							
ISC	**VII**	**07 20 35 43.6–.94**	**57.9S–.20**	**24.3W–.30**	**10**	**3.9b**	**11**	**14-153**
IDC	VII	07 20 35 42.2–1.1	57.81S	24.29W	0	4.2b,4.1		**¶620928141**
ISC	Event type se.							
IDC	Error ellipse: s-maj=51.1km s-min=24.1km az=65.0.							
ISC	**VII**	**07 20 37 47.8–.85**	**57.9S–.10**	**24.4W–.20**	**24**	**4.3b**	**27**	**14-152**
IDC	VII	07 20 37 44.6–1.1	57.81S	24.51W	0	4.1b,4.0		**¶620913555**
NEIC	VII	07 20 37 45.9–.76	57.9S–.10	24.4W–.20	10–2	4.4b,4.0		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**07 20 44 36.2–.62**	**55.8S–.10**	**26.4W–.10**	**10**	**4.3b,3.8s**	**34**	**17-150**
IDC	VII	07 20 44 35.0–.75	55.75S	26.27W	0	4.3b,4.2		**¶620913549**
NEIC	VII	07 20 44 36.5–1.6	55.9S–.10	26.3W–.10	10–1	4.5b,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**07 23 07 25.0–.38**	**57.93S–.07**	**24.59W–.08**	**10**	**4.9b,3.9s**	**171**	**8-155**
IDC	VII	07 23 07 23.6–.60	57.88S	24.49W	0	4.7L,4.5b		**¶620772581**
NEIC	VII	07 23 07 25.2–1.3	57.95S–.09	24.7W–.20	10–1	5.0b,4.5b		
GFZ	VII	07 23 07 26.0–.28	58S–4.0	24W–5.0	10	5.0b,5.0		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**VII**	**07 23 58 58.0–.71**	**57.85S–.10**	**24.5W–.10**	**10**	**4.5b**	**37**	**15-152**
IDC	VII	07 23 58 57.1–.85	57.82S	24.70W	0	4.2b,4.2		**¶620786345**
NEIC	VII	07 23 58 58.0–.83	57.9S–.10	24.4W–.40	10–1	4.6b,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**08 01 31 47.1–.60**	**55.7S–.10**	**26.35W–.08**	**10**	**4.3b**	**27**	**6-150**
IDC	VII	08 01 31 45.9–.76	55.75S	26.27W	0	4.1b,4.0		**¶620786349**
NEIC	VII	08 01 31 47.2–1.1	55.8S–.10	26.4W–.20	10–1	4.4b,4.0		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**08 05 11 00.5–.57**	**59.21S–.09**	**24.94W–.10**	**18**	**4.5b**	**41**	**10-153**
IDC	VII	08 05 10 58.1–.79	59.10S	25.41W	0	4.4L,4.1		**¶620786350**
NEIC	VII	08 05 11 00.0–1.1	59.2S–.10	24.9W–.10	10–1	4.5b,4.1		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**08 07 09 18.3–.28**	**55.90S–.06**	**26.44W–.06**	**10**	**5.0b,4.8s**	**221**	**6-159**
IDC	VII	08 07 09 16.8–.40	55.79S	26.48W	0	4.7b,4.7		**¶620773175**
BJI	VII	08 07 09 17.5	55.90S	26.50W	5	5.3s,5.1		
NEIC	VII	08 07 09 18.3–1.2	55.92S–.10	26.5W–.20	10–1	5.1b,5.0		
GFZ	VII	08 07 09 19.0–.19	56S–4.0	26W–4.0	10	5.1b,5.1		
GCMT	VII	08 07 09 21.6–.20	55.84S–.01	26.33W–.02	12	5.1W,5.1		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107080709A. Moment Tensor Solution. s77,c95; s127,c198; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.93±.08 $M_{\theta\theta}$-1.39±.09; $M_{\phi\phi}$-3.54±.08; $M_{r\theta}$-0.06±.29; $M_{\theta\phi}$2.10±.07; $M_{\phi r}$0.62±.26; Best double couple: NP1:ϕ_s145.00000°,δ42.00000° ,λ85.00000°. NP2:ϕ_s332.00000°,δ48.00000°,λ94.00000°. Principal axes: T 4.9770,Plg86.0000°,Azm282.0000°; N -0.1200,Plg3.0000°,Azm149.0000° ; P -4.8560,Plg3.0000°,Azm59.0000° $M_0$4.91600×10^{16}							
ISC	**VII**	**09 05 23 33.1–.33**	**57.87S–.06**	**26.53W–.07**	**145**	**4.6b**	**170**	**7-154**
IDC	VII	09 05 23 30.3–4.0	57.76S	26.40W	118–36	4.6,4.3b		**¶620783830**
GFZ	VII	09 05 23 30.2–.20	58S–4.0	26W–4.0	121	4.6b,4.6		
NEIC	VII	09 05 23 30.8–1.0	57.9S–.10	26.4W–.20	123–8	4.9b,4.6		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**09 06 13 17.2–.82**	**56.4S–.10**	**26.71W–.09**	**35**	**4.1b**	**28**	**6-151**
IDC	VII	09 06 13 10.7–1.4	56.10S	26.86W	0	4.0b,4.0		**¶620928228**
NEIC	VII	09 06 13 17.1–1.2	56.5S–.10	26.6W–.20	30–7	4.3b,4.0		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**09 15 15 40.5–1.6**	**55.9S–.30**	**26.6W–.40**	**35**	**4.0b**	**8**	**17-150**
IDC	VII	09 15 15 35.5–1.6	55.86S	26.72W	0	4.0b,3.9		**¶620913565**
ISC	Event type se.							
IDC	Error ellipse: s-maj=76.5km s-min=23.9km az=60.0.							
ISC	**VII**	**10 15 27 33.7–1.3**	**55.6S–.20**	**27.8W–.40**	**10**	**3.8b**	**10**	**18-151**
IDC	VII	10 15 27 32.4–1.3	55.62S	27.92W	0	4.4L,3.8		**¶620913567**
ISC	Event type se.							
IDC	Error ellipse: s-maj=69.5km s-min=20.9km az=65.0.							
ISC	**VII**	**11 02 03 18.4–.43**	**55.63S–.07**	**26.94W–.07**	**10**	**4.9b,4.0s**	**105**	**6-153**
GFZ	VII	11 02 03 18.4–.33	56S–5.0	27W–6.0	10	5.0b,5.0		**¶620787423**
NEIC	VII	11 02 03 18.7–1.4	55.64S–.08	26.9W–.10	10–1	4.9b,5.0		
IDC	VII	11 02 03 24.3–5.0	55.66S	26.60W	48–47	4.6,4.4b		
ISC	Event type se.							
GFZ	Error ellipse: s-maj=15.5km s-min=6.6km az=55.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC	Event type se. Error ellipse: s-maj=14.5km s-min=12.5km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=27.5km s-min=15.5km az=53.0.							
ISC	**VII**	**13 09 05 17.7–.50**	**57.05S–.09**	**24.95W–.10**	**22**	**4.6b,3.4s**	**53**	**7-152**
IDC	VII	13 09 05 14.7–.67	57.04S	24.97W	0	4.3b,4.2L		**¶620913585**
NEIC	VII	13 09 05 16.1–1.6	57.0S–.10	24.9W–.20	10–1	4.7b,4.2L		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**13 10 14 26.8–.81**	**57.1S–.10**	**25.0W–.20**	**22**	**4.3b**	**24**	**7-152**
IDC	VII	13 10 14 23.7–.99	57.07S	24.69W	0	3.9b,3.9		**¶620928532**
NEIC	VII	13 10 14 24.7–1.4	57.1S–.20	24.9W–.30	10–2	4.4b,3.9		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**15 01 58 56.2–.57**	**56.26S–.09**	**25.91W–.08**	**10**	**4.7b,3.4s**	**41**	**6-151**
IDC	VII	15 01 58 55.0–.78	56.29S	25.66W	0	4.3L,4.3b		**¶620913592**
NEIC	VII	15 01 58 56.6–1.6	56.3S–.10	25.8W–.20	10–1	4.8b,4.3b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**16 07 45 36.6–.56**	**57.33S–.07**	**25.49W–.08**	**35**	**4.4b**	**44**	**7-152**
IDC	VII	16 07 45 31.2–.89	57.14S	25.24W	0	4.3L,4.3		**¶620913597**
NEIC	VII	16 07 45 38.9–1.3	57.3S–.10	25.5W–.10	54–7	4.4b,4.3		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**17 00 53 25.5–.29**	**56.09S–.03**	**27.84W–.04**	**112–2**	**5.4b**	**862**	**5-176**
BJI	VII	17 00 53 22.0	56.10S	27.80W	100	5.3b		**¶621112242**
MOS	VII	17 00 53 24.4–.90	56.08S	27.79W	104	5.8b,4.9s		
NEIC	VII	17 00 53 24.9–1.4	56.07S–.05	27.8W–.10	97–1	5.7,5.5b		
IPGP	VII	17 00 53 25.0	56.13S	27.85W	98	5.7W,5.5b		
NEIC	VII	17 00 53 25	56.10S	27.86W	96	5.7W,5.5b		
NEIC	VII	17 00 53 25	56.09S	27.84W	96	5.7W,5.5b		
GFZ	VII	17 00 53 26.9–.77	56S–3.0	28W–3.0	107–7	5.6,5.4b		
GFZ	VII	17 00 53 27.1	56.07S	27.74W	112	5.7W,5.4b		
GCMT	VII	17 00 53 28.4–.10	56.04S–.01	27.37W–.01	109–0	5.8W,5.4b		
IDC	VII	17 00 53 28.5–.84	56.01S	27.63W	134–6	5.4,5.0b		
NEIC	VII	17 00 53 29.5	55.90S	27.50W	110	5.7,5.0b		
ISC	Event type se.							

MOS Error ellipse: s-maj=18.1km s-min=9.3km az=106.3.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.5km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.09 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$-1.69 $M_{r\theta}$-2.89 $M_{\theta\phi}$2.26 $M_{\phi r}$-0.54 NP1:ϕ_s162.25000°,δ39.09000°,λ137.91000°. NP2:ϕ_s287.28000° ,δ65.00000°,λ58.92000°. Principal axes: T 4.8603,Plg58.0000°,Azm154.0000° ; N -0.6406,Plg28.0000°,Azm302.0000°; P -4.2197,Plg14.0000°,Azm39.0000° $M_0$4.57000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s165.00000°,δ44.00000°,λ149.00000°. NP2:ϕ_s278.00000° ,δ69.00000°,λ50.00000°.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-1.67 $M_{r\theta}$-2.56 $M_{\theta\phi}$2.25 $M_{\phi r}$-0.50 NP1: ϕ_s175.56441°,δ45.21389°,λ149.12478°. NP2:ϕ_s288.40515°,δ68.64052°,λ49.14940°. Principal axes: T 4.1353,Plg49.0840°,Azm153.4805°; N -0.5244,Plg37.5289°,Azm305.8868° ; P -3.6110,Plg13.9213°,Azm46.8627° $M_0$3.89969×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107170053A. Moment Tensor Solution. s163,c305; s171,c377;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}2.35±.04 $M_{\theta\theta}$-1.28±.05; $M_{\phi\phi}$-1.07±.05; $M_{r\theta}$-3.25±.03; $M_{\theta\phi}$3.56±.04; $M_{\phi r}$-0.64±.03; Best double couple: NP1: ϕ_s170.00000°,δ45.00000°,λ154.00000°. NP2:ϕ_s279.00000°,δ71.00000°,λ48.00000°. Principal axes: T 5.2740,Plg46.0000°,Azm145.0000°; N -0.0030,Plg40.0000°,Azm295.0000° ; P -5.2710,Plg16.0000°,Azm38.0000° $M_0$5.27200×10^{17}
IDC Error ellipse: s-maj=9.9km s-min=7.9km az=56.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.98 $M_{\theta\theta}$-1.58 $M_{\phi\phi}$-0.39 $M_{r\theta}$-3.12 $M_{\theta\phi}$3.27 $M_{\phi r}$-0.43 NP1:ϕ_s166.89000°,δ43.48000° ,λ156.47000°. NP2:ϕ_s274.42000°,δ74.06000°,λ48.99000°. Principal axes: T 4.7404,Plg45.0000°,Azm143.0000°; N 0.2889,Plg39.0000°,Azm288.0000° ; P -5.0293,Plg19.0000°,Azm34.0000° $M_0$4.89000×10^{17}

ISC	**VII**	**20 02 46 30.4–.60**	**55.9S–.10**	**26.55W–.08**	**35**	**4.6b,3.2s**	**28**	**6-150**	
IDC	VII	20 02 46 25.3–.88	55.90S	26.38W	0	4.1b,4.1			**¶620961569**
NEIC	VII	20 02 46 30.8–1.1	56.0S–.10	26.4W–.10	35–1	4.6b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**20 22 10 18.7–.57**	**56.0S–.10**	**28.0W–.10**	**121**	**4.3b**	**47**	**5-151**	
IDC	VII	20 22 10 03.7–.91	55.68S	27.33W	0	5.2L,4.5			**¶620913622**
NEIC	VII	20 22 10 16.4–.59	55.9S–.20	27.5W–.30	97–2	4.4b,4.5			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**24 05 00 43.0–.56**	**57.18S–.09**	**26.8W–.10**	**100**	**4.4b**	**35**	**6-151**	
NEIC	VII	24 05 00 44.2–1.4	57.3S–.10	26.9W–.20	111–7	4.4b			**¶620970197**
IDC	VII	24 05 00 44.8–7.4	57.01S	26.68W	112–66	4.1,3.8b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=14.6km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=19.7km az=59.0.

ISC	**VII**	**21 10 19 37.0–1.2**	**59.3S–.20**	**25.3W–.40**	**35**	**3.8b**	**12**	**13-153**	
IDC	VII	21 10 19 33.6–1.2	59.43S	26.49W	0	4.3L,3.9b			**¶620913624**

ISC Event type se.
IDC Error ellipse: s-maj=48.1km s-min=25.0km az=58.0.

ISC	**VII**	**27 08 23 03.9–.34**	**56.64S–.06**	**25.35W–.07**	**29**	**4.8b,3.8s**	**119**	**7-158**	
IDC	VII	27 08 23 00.2–.57	56.57S	25.37W	0	4.7L,4.5b			**¶620847129**
GFZ	VII	27 08 23 03.4–.24	57S–4.0	25W–4.0	27	4.9b,4.9			
NEIC	VII	27 08 23 05.6–1.6	56.7S–.10	25.6W–.20	35–2	4.9b,4.9			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**24 08 49 20.4–.58**	**59.68S–.09**	**25.94W–.09**	**40**	**4.4b**	**38**	**8-153**	
NEIC	VII	24 08 49 17.9–1.9	59.6S–.10	25.5W–.20	31–7	4.4b			**¶620970206**
IDC	VII	24 08 49 30.8–7.0	59.74S	26.57W	125–61	4.2,3.7b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=12.5km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.9km s-min=18.2km az=56.0.

ISC	**VII**	**28 00 27 26.1–.57**	**57.81S–.08**	**23.7W–.10**	**10**	**4.6b,3.6s**	**45**	**8-153**	
IDC	VII	28 00 27 24.8–.80	57.69S	23.73W	0	4.3b,4.3			**¶620979588**
NEIC	VII	28 00 27 26.5–2.1	57.8S–.10	23.7W–.20	10–1	4.8b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**01 20 38 14.5–.50**	**56.37S–.08**	**25.75W–.08**	**10**	**4.6b,3.2s**	**52**	**6-154**	
IDC	VIII	01 20 38 13.6–.73	56.31S	25.36W	0	4.4b,4.3			**¶620929078**
NEIC	VIII	01 20 38 15.1–1.7	56.42S–.10	25.8W–.20	10–1	4.6b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**27 22 36 38.0–1.0**	**57.2S–.20**	**23.4W–.30**	**10**	**3.8b**	**11**	**15-152**	
IDC	VII	27 22 36 36.7–1.2	57.07S	23.63W	0	3.9b,3.8L			**¶620978990**

ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=25.0km az=73.0.

ISC	**VIII**	**03 08 51 39.0–1.1**	**56.8S–.10**	**27.1W–.30**	**150**	**3.6b**	**11**	**16-151**	
IDC	VIII	03 08 51 40.1–14	56.78S	27.12W	159–132	4.4L,4.0			**¶620995863**

ISC Event type se.
IDC Error ellipse: s-maj=66.0km s-min=31.7km az=115.0.

ISC	**VIII**	**05 21 01 25.1–.84**	**55.5S–.10**	**27.8W–.10**	**10**	**4.2b**	**21**	**17-151**	
IDC	VIII	05 21 01 23.8–.93	55.41S	27.53W	0	3.8L,3.8b			**¶620998830**
NEIC	VIII	05 21 01 27.6–1.1	55.6S–.10	27.9W–.30	20–11	4.4b,3.8b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**04 12 47 59.7–.33**	**55.59S–.06**	**28.08W–.07**	**26**	**4.8b,4.1s**	**159**	**17-151**	
IDC	VIII	04 12 47 56.3–.53	55.52S	28.01W	0	4.7b,4.7			**¶620968079**
NEIC	VIII	04 12 47 57.2–.77	55.6S–.10	28.1W–.20	10–1	4.9b,4.7			
GFZ	VIII	04 12 47 57.9–.16	56S–3.0	28W–3.0	10	4.9,4.8b			
GCMT	VIII	04 12 48 02.2–.20	55.63S–.02	27.95W–.03	12	4.8W,4.8b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108041247A. Moment Tensor Solution. s30,c36; s93,c126; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.71±.08 $M_{\theta\theta}$0.55±.08; $M_{\phi\phi}$1.17±.06; $M_{r\theta}$-0.03±.30; $M_{\theta\phi}$1.65±.06; $M_{\phi r}$0.31±.25; Best double couple: NP1:ϕ_s53.00000°,δ44.00000° ,λ-71.00000°. NP2:ϕ_s208.00000°,δ49.00000°,λ-107.00000°. Principal axes: T 2.5500,Plg3.0000°,Azm309.0000°; N -0.7700,Plg13.0000°,Azm219.0000° ; P -1.7710,Plg77.0000°,Azm52.0000° $M_0$2.16000×10^{16}

ISC	**VIII**	**06 19 59 59.7–.80**	**59.8S–.10**	**26.1W–.10**	**16**	**4.5b**	**46**	**8-153**	
IDC	VIII	06 19 59 57.5–1.0	59.60S	26.05W	0	4.0b,4.0			**¶620976214**
NEIC	VIII	06 20 00 02.3–1.9	59.8S–.10	26.1W–.30	35–2	4.5b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**07 09 58 29.2–.37**	**59.51S–.06**	**25.91W–.07**	**40**	**4.8b,3.7s**	**171**	**8-153**	
IDC	VIII	07 09 58 23.8–.51	59.43S	25.97W	0	4.5L,4.3b			**¶620976070**
GFZ	VIII	07 09 58 25.0–.24	60S–4.0	26W–4.0	10	5.2,5.0b			
NEIC	VIII	07 09 58 29.3–.96	59.54S–.10	26.0W–.20	38–8	4.8b,5.0b			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**06 19 22 03.7–.25**	**59.59S–.03**	**26.23W–.04**	**34–0**	**5.7b,5.7s**	**1257**	**8-178**	
BJI	VIII	06 19 22 00.9	59.21S	26.17W	38	5.9s,5.8b			**¶620973939**
MOS	VIII	06 19 22 00.9–1.2	59.68S	26.21W	27	5.9b,5.6s			
IPGP	VIII	06 19 22 02.0	59.64S	26.18W	35	6.0W,5.6s			
NEIC	VIII	06 19 22 02.2	59.63S	26.18W	31	6.0W,5.6s			
NEIC	VIII	06 19 22 02.7–1.5	59.60S–.08	26.2W–.20	35–1	5.9,5.8b			
ISC-P	VIII	06 19 22 02	59.60S	26.19W	21–0	6.3,5.8b			
NEIC	VIII	06 19 22 03.5	59.64S	26.17W	41	6.3,5.8b			
IDC	VIII	06 19 22 03.6–1.1	59.50S	26.04W	36–8	5.6L,5.6s			
GFZ	VIII	06 19 22 04.9–.13	60S–2.0	26W–2.0	42–1	5.8,5.7b			
GFZ	VIII	06 19 22 04.9	59.72S	26.09W	38	6.0W,5.7b			
GCMT	VIII	06 19 22 07.4–.10	59.86S	25.43W	34–0	5.9W,5.7b			
NEIC	VIII	06 19 22 10	59.34S	25.38W	36	5.9,5.7b			
PTWC	VIII	06 19 22 13	59.60S	26.30W	130	6.1,5.7b			

ISC Event type se.
MOS Error ellipse: s-maj=18.4km s-min=8.9km az=100.7.
IPGP Moment Tensor Solution. NP1:ϕ_s214.00000°,δ45.00000°,λ-115.00000°. NP2:ϕ_s67.00000° ,δ50.00000°,λ-67.00000°.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.0km az=231.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-7.77 $M_{\theta\theta}$5.34 $M_{\phi\phi}$2.42 $M_{r\theta}$-2.48 $M_{\theta\phi}$3.28 $M_{\phi r}$1.20 NP1:ϕ_s71.96000°,δ52.26000°,λ-71.29000°. NP2:ϕ_s223.01000°,δ41.49000° ,λ-112.51000°. Principal axes: T 7.6108,Plg6.0000°,Azm149.0000°; N 0.9151,Plg15.0000° ,Azm240.0000°; P -8.5260,Plg74.0000°,Azm39.0000° $M_0$8.11000×10^{17}
ISC-P Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.22±.09 $M_{\theta\theta}$0.60±.22; $M_{\phi\phi}$-0.30±.16; $M_{r\theta}$0.04±.21; $M_{\theta\phi}$-0.22±.14; $M_{\phi r}$0.45±.20; NP1:ϕ_s26.80000°,δ71.70000° ,λ203.70000°. NP2:ϕ_s289.00000°,δ67.60000°,λ-19.90000°. $M_0$4.17000×10^{18}
NEIC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=10.9km az=56.0.
GFZ Error ellipse: s-maj=5.6km s-min=3.6km az=36.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.64 $M_{\phi\phi}$0.37 $M_{r\theta}$-0.17 $M_{\theta\phi}$0.46 $M_{\phi r}$0.36 NP1: ϕ_s70.22929°,δ45.45561°,λ-64.02531°. NP2:ϕ_s215.44816°,δ50.15485°,λ-113.98885°. Principal axes: T 0.9951,Plg2.4619°,Azm322.1712°; N 0.1507,Plg18.1887°,Azm231.3618° ; P -1.1458,Plg71.6338°,Azm59.6119° $M_0$1.07837×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108061922A. Moment Tensor Solution. s162,c352; s166,c549;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.84±.01 $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$0.35±.01; $M_{r\theta}$-0.45±.01; $M_{\theta\phi}$0.55±.00; $M_{\phi r}$0.21±.01; Best double couple: NP1:ϕ_s205.00000°,δ44.00000°,λ-128.00000°. NP2:ϕ_s73.00000°,δ57.00000°,λ-59.00000°. Principal axes: T 0.9940,Plg7.0000°,Azm141.0000°; N 0.0860,Plg25.0000°,Azm235.0000° ; P -1.0790,Plg64.0000°,Azm37.0000° $M_0$1.03700×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-7.28 $M_{\theta\theta}$3.76 $M_{\phi\phi}$3.51 $M_{r\theta}$-3.34 $M_{\theta\phi}$4.06 $M_{\phi r}$2.03 NP1:ϕ_s204.50000°,δ45.73000° ,λ-123.94000°. NP2:ϕ_s68.46000°,δ53.55000°,λ-60.19000°. Principal axes: T 7.7750,Plg4.0000°,Azm138.0000°; N 1.2268,Plg24.0000°,Azm230.0000° ; P -9.0018,Plg66.0000°,Azm38.0000° $M_0$8.46000×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.

ISC	**VIII**	**09 04 46 01.5–.35**	**59.59S–.06**	**25.95W–.07**	**35**	**4.8b,3.4s**	**174**	**8-153**	
IDC	VIII	09 04 45 56.9–.57	59.49S	25.91W	0	5.0L,4.4b			**¶620976532**
GFZ	VIII	09 04 45 58.5–.20	60S–4.0	26W–4.0	10	4.9b,4.9			
NEIC	VIII	09 04 46 01.9–1.6	59.64S–.06	25.9W–.20	35–4	4.9b,4.9			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**08 02 55 29.3–.39**	**56.05S–.07**	**27.66W–.07**	**112**	**4.6b**	**95**	**5-151**	
GFZ	VIII	08 02 55 27.9–.42	56S–3.0	28W–3.0	92–4	4.6b,4.6			**¶620976269**
NEIC	VIII	08 02 55 29.2–1.0	56.1S–.10	27.6W–.20	106–8	4.6b,4.6			
IDC	VIII	08 02 55 29.9–5.2	56.01S	27.54W	118–47	4.6,4.2b			

ISC Event type se.
GFZ Error ellipse: s-maj=8.9km s-min=5.6km az=44.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=13.7km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.6km s-min=13.5km az=64.0.

ISC	**VIII**	**12 18 32 52.4–.33**	**57.68S–.04**	**24.93W–.04**	**28–2**	**7.7s,6.1b**	**1069**	**7-175**	
IDC	VIII	12 18 32 45.9–.34	57.36S	24.83W	0	5.4L,4.8b			**¶621237435**
GFZ	VIII	12 18 32 49.4	57.62S	25.33W	13	7.7W,4.8b			
GFZ	VIII	12 18 32 49.5–.12	58S–3.0	25W–2.0	10	7.2,7.1b			
MOS	VIII	12 18 32 50.7–1.0	57.53S	25.23W	58	7.4s,6.3b			
NEIC	VIII	12 18 32 52.5–2.4	57.57S–.09	25.0W–.20	47–4	7.8,6.3b			
IPGP	VIII	12 18 32 54.0	57.60S	25.19W	40	7.9W,6.3b			
NEIC	VIII	12 18 32 54.5	57.60S	25.19W	63	7.9W,6.3b			
PTWC	VIII	12 18 32 55	57.40S	24.80W	78	7.6,6.3b			
BJI	VIII	12 18 32 55.4	57.21S	24.81W	50	7.9s,7.8			
NEIC	VIII	12 18 33 30.8	57.70S	24.07W	50	7.5,7.8			

ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=11.4km az=31.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}1.74 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-1.43 $M_{r\theta}$-1.06 $M_{\theta\phi}$0.43 $M_{\phi r}$3.95 NP1: ϕ_s159.02913°,δ11.06039°,λ84.46005°. NP2:ϕ_s344.67326°,δ78.99192°,λ91.08110°. Principal axes: T 4.4967,Plg55.9954°,Azm256.0402°; N -0.1685,Plg1.0612°,Azm164.4668° ; P -4.3282,Plg33.9834°,Azm73.7514° $M_0$4.41487×10^{20}
GFZ Error ellipse: s-maj=6.4km s-min=4.6km az=24.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=16.9km s-min=9.7km az=106.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s335.00000°,δ71.00000°,λ95.00000°. NP2: ϕ_s140.00000°,δ20.00000°,λ76.00000°. Principal axes: T Plg64.0000°,Azm253.0000° ; N Plg5.0000°,Azm153.0000°; P Plg26.0000°,Azm61.0000°
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=11.7km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IPGP Moment Tensor Solution. NP1:ϕ_s199.00000°,δ19.00000°,λ124.00000°. NP2:ϕ_s343.00000° ,δ74.00000°,λ79.00000°.
NEIC Event type se.
PTWC SOUTH SANDWICH ISLANDS REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 28s6 Moment tensor: Scale 10^{20}Nm; M_{rr}1.57 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$-0.44 $M_{r\theta}$-0.68 $M_{\theta\phi}$0.63 $M_{\phi r}$1.43 NP1:ϕ_s105.99000°,δ26.38000° ,λ56.03000°. NP2:ϕ_s322.93000°,δ68.38000°,λ105.49000°. Principal axes: T 2.3466,Plg63.0000°,Azm258.0000°; N -0.3062,Plg14.0000°,Azm137.0000° ; P -2.0404,Plg22.0000°,Azm41.0000° $M_0$2.21000×10^{20}

ISC	**VIII**	**11 17 25 16.3–.32**	**55.91S–.06**	**28.15W–.06**	**121**	**4.9b**	**124**	**5-154**	
NEIC	VIII	11 17 25 16.4–1.2	56.0S–.10	28.1W–.20	117–2	4.9b			**¶620983081**
IDC	VIII	11 17 25 19.5–1.3	55.94S	27.97W	146–10	4.8,4.4b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=12.2km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.7km s-min=10.7km az=72.0.

ISC	**VIII**	**12 19 00 23.1–.50**	**56.80S–.09**	**25.2W–.10**	**35**	**5.1b**	**71**	**7-153**	
NEIC	VIII	12 19 00 20.8–1.8	56.8S–.10	25.3W–.30	16–4	5.2b			**¶621009463**
IDC	VIII	12 19 00 39.7–6.6	56.96S	25.82W	193–61	4.7,4.2b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=14.5km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.5km s-min=14.8km az=57.0.

ISC	**VIII**	**10 19 21 32.6–1.5**	**59.0S–.10**	**26.4W–.30**	**10**	**3.9b**	**13**	**14-150**	
IDC	VIII	10 19 21 31.2–1.4	58.92S	26.48W	0	4.5L,4.1			**¶620983058**

ISC Event type se.
IDC Error ellipse: s-maj=53.7km s-min=25.1km az=92.0.

ISC VIII 12 18 35 19.6–.31 58.37S–.07 25.37W–.06 38 7.8s,6.4b 170 7-174
MOS VIII 12 18 35 17.8–1.8 58.47S 25.26W 46 7.6s,6.6b **¶620986442**
NEIC VIII 12 18 35 17.2–1.6 58.38S–.09 25.3W–.10 23–3 7.8,6.5b
NEIC VIII 12 18 35 19.1 58.41S 25.26W 38 7.8,6.5b
NEIC VIII 12 18 35 21 58.45S 25.33W 56 7.8,6.5b
GFZ VIII 12 18 35 22.3 58.42S 25.21W 11 8.0W,6.5b
GFZ VIII 12 18 35 22.3–.41 58S–10 25W–8.0 10 6.8,6.2b
GCMT VIII 12 18 35 25.1–1.3 59.5S–.10 24.3W–.30 20 8.3W,6.2b
IDC VIII 12 18 35 26.7–.49 58.42S 26.59W 0 6.4L,5.9b
NEIC VIII 12 18 35 57.5 60.38S 24.91W 10 8.0,5.9b
NEIC VIII 12 18 36 55.8 60.81S 23.16W 36 8.1,5.9b
ISC Event type se.
MOS Error ellipse: s-maj=20.1km s-min=11.8km az=109.9.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.3km az=163.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{21}Nm; M_{rr}0.41 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.57 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.94 NP1:
ϕ207.20719°,δ11.62723°,λ86.23245°. NP2:ϕ31.05344°,δ78.39825°,λ90.77463°.
Principal axes: T 1.1359,Plg56.5952°,Azm302.0484°; N 0.1105,Plg0.7588°,Azm210.8976°
; P -1.2464,Plg33.3939°,Azm120.3974° $M_0$1.19502×10^{21}
GFZ Error ellipse: s-maj=22.3km s-min=16.1km az=22.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves. nsta2 refers to mantle waves, cutoff=500s. Triangular
moment-rate function. ID: M202108121832A. Moment Tensor Solution. s20,c59;
Duration: 150s0 Moment tensor: Scale 10^{21}Nm; M_{rr}1.39±.03 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$-1.24±.02;
$M_{r\theta}$-0.37±.25; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$2.75±.31; Best double couple: NP1:ϕ204.00000°,δ14.00000°
,λ118.00000°. NP2:ϕ355.00000°,δ78.00000°,λ83.00000°. Principal axes:
T 3.1850,Plg57.0000°,Azm256.0000°; N -0.2080,Plg7.0000°,Azm356.0000°
; P -2.9730,Plg32.0000°,Azm90.0000° $M_0$3.07900×10^{21}
IDC Error ellipse: s-maj=23.3km s-min=20.8km az=23.0.
NEIC Event type se. Moment Tensor Solution.Duration: 54s3 Moment tensor: Scale 10^{21}Nm;
M_{rr}0.44 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.39 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.98 NP1:ϕ4.12000°,δ77.62000°
,λ66.20000°. NP2:ϕ248.19000°,δ26.66000°,λ151.45000°. Principal axes:
T 1.1653,Plg52.0000°,Azm247.0000°; N 0.0243,Plg23.0000°,Azm10.0000°
; P -1.1896,Plg29.0000°,Azm113.0000° $M_0$1.18000×10^{21}
NEIC Event type se. Moment Tensor Solution.Duration: 133s3 Moment tensor: Scale 10^{21}Nm;
M_{rr}0.65 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.54 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.41 $M_{\phi r}$1.71 NP1:ϕ222.95000°,δ11.17000°
,λ109.89000°. NP2:ϕ22.70000°,δ79.50000°,λ86.16000°. Principal axes:
T 1.9287,Plg55.0000°,Azm288.0000°; N 0.1184,Plg4.0000°,Azm23.0000°
; P -2.0471,Plg34.0000°,Azm116.0000° $M_0$1.99000×10^{21}
ISC VIII 12 19 01 05.7–.55 57.0S–.10 25.1W–.10 22 4.8b 36 20-158
IDC VIII 12 19 01 02.8–.80 56.92S 24.94W 0 4.8,4.7b **¶621009466**
NEIC VIII 12 19 01 06.1–1.2 57.0S–.10 25.0W–.20 25–6 4.8b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 02 44.3–.63 59.6S–.10 24.8W–.10 27 4.8b 44 15-153
IDC VIII 12 19 02 40.7–1.6 59.51S 24.68W 0 4.6b,4.6 **¶621009467**
NEIC VIII 12 19 02 42.2–1.3 59.6S–.10 24.73W–.05 10–1 5.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 03 39.6–.58 59.3S–.10 25.0W–.10 27 4.7b 29 8-153
IDC VIII 12 19 03 36.9–1.6 59.03S 24.68W 0 5.8L,4.7b **¶621009470**
NEIC VIII 12 19 03 36.5–2.1 59.3S–.10 24.9W–.20 6–5 4.8b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 04 05.5–.64 56.8S–.10 25.2W–.10 22 4.6b 43 7-153
IDC VIII 12 19 04 01.7–.99 56.74S 24.87W 0 4.8,4.7b **¶621009471**
NEIC VIII 12 19 04 08.7–2.5 57.0S–.10 25.5W–.20 35–2 4.7b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 05 15.7–.44 59.22S–.09 25.19W–.08 18 4.7b 66 8-158
IDC VIII 12 19 05 13.4–.56 59.22S 25.05W 0 4.9b,4.8 **¶621009472**
NEIC VIII 12 19 05 18.7–1.4 59.3S–.10 25.3W–.20 35–2 4.7b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 18 36 58.7–.38 60.00S–.10 26.37W–.09 26 7.6s,6.6b 107 8-159
IDC VIII 12 18 36 55.2–.48 60.02S 26.41W 0 7.6s,6.2b **¶621009447**
NEIC VIII 12 18 36 59.7–2.5 59.98S–.03 26.4W–.20 35–1 6.7b,6.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 18 38 11.2–.74 61.1S–.20 29.9W–.20 10 6.0b 14 13-152
IDC VIII 12 18 38 09.2–1.0 61.42S 29.85W 0 6.0b,6.0 **¶621009448**
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=25.8km az=42.0.
ISC VIII 12 18 41 20.9–.32 60.28S–.06 26.83W–.08 19 6.0b 149 8-159
IDC VIII 12 18 41 17.8–.46 60.35S 27.19W 0 5.7L,5.6 **¶620984523**
NEIC VIII 12 18 41 22.6–2.4 60.36S–.08 26.8W–.20 35–1 6.1b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 18 41 56.0–.40 60.33S–.09 26.43W–.08 20 5.7b 74 8-172
IDC VIII 12 18 41 52.8–.52 60.22S 26.29W 0 5.6b,5.5L **¶621009451**
NEIC VIII 12 18 41 58.5–1.3 60.3S–.10 26.5W–.20 35–1 5.8b,5.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 18 47 03.9–.43 59.52S–.08 25.71W–.09 32 5.3b 75 8-153
IDC VIII 12 18 46 58.8–.72 59.52S 25.63W 0 5.4L,4.8b **¶621009452**
NEIC VIII 12 18 47 04.6–2.5 59.5S–.10 25.7W–.20 35–1 5.6b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 18 48 11.4–.38 60.36S–.08 26.27W–.08 20 5.5b 112 8-158
NEIC VIII 12 18 48 06–1.8 60.4S–.10 25.2W–.30 10–1 5.6b **¶621237437**
IDC VIII 12 18 48 09.2–.48 60.08S 26.29W 0 5.6L,5.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.6km s-min=4.0km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=13.6km az=22.0.
ISC VIII 12 19 07 53.6–.64 56.98S–.05 25.22W–.05 19–2 7.6s,5.9b 722 7-176
IDC VIII 12 19 07 50.8–.31 56.95S 25.05W 0 6.8s,5.6b **¶620984518**
GFZ VIII 12 19 07 53.7–.11 57S–3.0 25W–2.0 10 5.9b,5.9
NEIC VIII 12 19 07 53.9–1.4 57.02S–.08 25.20W–.09 25–3 5.9b,5.9
MOS VIII 12 19 07 53.7–1.4 56.97S 25.32W 26 5.8b,5.9
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=11.5km az=21.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.3km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=16.4km s-min=9.8km az=100.9.
ISC VIII 12 19 44 53.2–.33 59.89S–.05 26.49W–.05 45–2 6.8s,5.8b 665 8-179
GFZ VIII 12 19 44 49.7–.13 60S–3.0 27W–2.0 10 5.9b,5.9 **¶620984526**
MOS VIII 12 19 44 51.0–1.1 59.80S 26.40W 34 6.0b,5.9
NEIC VIII 12 19 44 52.8–2.0 59.87S–.08 26.5W–.20 40–4 5.9b,5.9
IDC VIII 12 19 45 01.0–3.8 59.85S 26.49W 111–33 6.4s,5.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
MOS Error ellipse: s-maj=21.9km s-min=10.3km az=104.9.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=10.7km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=10.9km az=52.0.
ISC VIII 12 18 49 51.3–.25 57.00S–.06 25.19W–.05 22 7.6s,5.8b 322 7-168
IDC VIII 12 18 49 47.3–.42 56.99S 25.14W 0 5.1b,5.1 **¶620984177**
MOS VIII 12 18 49 48.8–1.2 57.08S 25.30W 27 5.7b,5.1
NEIC VIII 12 18 49 50.9–1.7 57.02S–.09 25.2W–.20 24–4 5.9b,5.1
GFZ VIII 12 18 49 51.4–.20 57S–4.0 25W–4.0 10 6.0b,6.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 12 18 52 05.3–1.4 60.4S–.50 25.9W–.30 10 8 41-153
IDC VIII 12 18 52 04.7–1.5 60.27S 25.76W 0 4.8b,4.8 **¶621009454**
ISC Event type se.
IDC Error ellipse: s-maj=74.2km s-min=43.9km az=161.0.
ISC VIII 12 18 53 08.6–.55 59.82S–.10 26.58W–.10 26 5.0b 48 18-167
IDC VIII 12 18 53 04.6–1.3 59.94S 26.55W 0 4.8L,4.8 **¶621009457**
NEIC VIII 12 18 53 10.1–1.5 59.9S–.20 26.63W–.10 35–2 5.1b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 18 55 54.8–.40 59.20S–.09 25.01W–.08 18 5.0b 82 8-158
IDC VIII 12 18 55 51.9–.58 59.19S 24.93W 0 4.9b,4.8 **¶621009458**
NEIC VIII 12 18 55 57.1–2.0 59.2S–.10 25.0W–.20 35–6 5.0b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 18 56 40.5–.96 59.5S–.20 27.0W–.20 10 8 16-151
IDC VIII 12 18 56 40.5–1.1 58.98S 27.07W 0 5.3L,5.1 **¶621009461**
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=33.7km az=37.0.
IDC VIII 12 18 59 02.5–9.1 57.41S 25.52W 250–85 4.6,4.0b
¶621009462
IDC Error ellipse: s-maj=44.0km s-min=33.3km az=71.0.
ISC VIII 12 19 13 05.6–.31 59.80S–.06 26.28W–.06 35 5.2b 149 8-173
IDC VIII 12 19 13 00.4–.44 59.87S 26.18W 0 5.0b,5.0 **¶621237439**
NEIC VIII 12 19 13 05.7–1.6 59.84S–.09 26.3W–.20 36–5 5.3b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 12 20 12 52.4–1.9 58.57S 25.38W 0 4.7b,4.7
¶621009498
IDC Error ellipse: s-maj=75.8km s-min=42.9km az=17.0.
ISC VIII 12 20 14 34.2–1.1 59.6S–.20 25.7W–.30 32 11 13-153
IDC VIII 12 20 14 29.4–1.2 59.57S 25.69W 0 4.5b,4.5 **¶620984514**
ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=38.8km az=56.0.
ISC VIII 12 20 14 46.5–.30 59.69S–.06 26.08W–.06 40 5.0b 172 8-153
IDC VIII 12 20 14 40.9–.47 59.62S 25.68W 0 5.1L,4.9 **¶621009499**
NEIC VIII 12 20 14 46.2–1.6 59.60S–.07 26.1W–.20 35–1 5.1b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 17 23.6–1.7 54.6S–.50 25.5W–.20 10 6 33-150
IDC VIII 12 19 17 22.9–1.8 54.47S 25.51W 0 4.3b,4.3 **¶621009474**
ISC Event type se.
IDC Error ellipse: s-maj=70.7km s-min=33.6km az=179.0.
ISC VIII 12 19 50 04.6–.57 60.25S–.09 26.94W–.08 56–4 5.2b 96 8-158
NEIC VIII 12 19 50 04.5–1.9 60.2S–.10 26.9W–.20 52–5 5.1b **¶621237444**
IDC VIII 12 19 50 06.9–5.1 60.32S 26.94W 74–44 5.0,4.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=13.3km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.0km s-min=17.4km az=48.0.
ISC VIII 12 20 15 17.8–.29 59.80S–.05 26.23W–.06 38–3 5.4b 385 8-170
IDC VIII 12 20 15 12.7–.39 59.70S 25.89W 0 5.2L,5.2b **¶621009502**
GFZ VIII 12 20 15 15.9–.32 60S–6.0 26W–6.0 10 5.5b,5.5
MOS VIII 12 20 15 15.8–1.3 59.75S 26.08W 39 5.4b,5.5
NEIC VIII 12 20 15 17.6–1.9 59.87S–.08 26.2W–.10 35–1 5.4b,5.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 18 38.8–1.9 58.5S–.50 23.9W–.30 10 6 34-153
IDC VIII 12 19 18 37.5–1.8 58.43S 23.89W 0 4.6b,4.6 **¶621009475**
ISC Event type se.
IDC Error ellipse: s-maj=74.2km s-min=36.4km az=163.0.
ISC VIII 12 19 20 56.3–.41 60.39S–.08 27.15W–.08 10 4.5b 57 9-158
NEIC VIII 12 19 21 00.7–2.4 60.4S–.10 27.4W–.20 38–6 4.7b **¶621009476**
IDC VIII 12 19 21 04.5–5.5 60.38S 27.34W 71–48 4.4L,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=13.2km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.3km s-min=19.7km az=54.0.
ISC VIII 12 20 17 46.8–1.3 58.7S–.30 25.0W–.60 28 6 67-153
IDC VIII 12 20 17 42.8–1.4 58.72S 24.80W 0 4.8b,4.7 **¶621009504**
ISC Event type se.
IDC Error ellipse: s-maj=93.7km s-min=45.7km az=100.0.
ISC VIII 12 19 22 38.9–.51 59.88S–.10 26.2W–.10 16 4.8b 62 8-153
IDC VIII 12 19 22 36.7–.67 59.85S 26.37W 0 5.4L,4.8b **¶621009477**
NEIC VIII 12 19 22 42.2–1.6 59.9S–.10 26.3W–.30 35–1 4.9b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 54 20.2–.74 59.9S–.10 26.1W–.10 35 4.8b 38 13-153
IDC VIII 12 19 54 15.4–.87 59.90S 26.50W 0 5.6L,4.7 **¶621009483**
NEIC VIII 12 19 54 20.2–2.2 59.69S–.06 26.1W–.30 35–2 4.8b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 18 06.3–.38 58.54S–.07 25.17W–.07 28 5.2b 163 8-163
IDC VIII 12 20 18 02.2–.61 58.44S 25.08W 0 4.9b,4.9 **¶621009507**
NEIC VIII 12 20 18 07.3–1.7 58.59S–.10 25.1W–.20 34–4 5.2b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 25 06.9–.71 59.2S–.20 25.2W–.10 18 4.4b 22 20-153
IDC VIII 12 19 25 04.2–1.1 59.23S 25.25W 0 4.5b,4.5 **¶621009478**
NEIC VIII 12 19 25 09.2–2.1 59.2S–.20 25.0W–.30 35–2 4.5b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 21 27.7–.58 58.7S–.10 25.0W–.10 28 4.6b 36 8-153
IDC VIII 12 20 21 23.6–.72 58.72S 25.12W 0 4.5b,4.5 **¶621009508**
NEIC VIII 12 20 21 28.5–1.4 58.8S–.10 25.0W–.20 35–2 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 55 12.9–.43 59.19S–.07 23.77W–.08 10 4.8b 57 9-157
IDC VIII 12 19 55 11.8–.50 59.12S 23.74W 0 5.1L,4.7b **¶621009486**
NEIC VIII 12 19 55 13.0–1.8 59.17S–.09 23.8W–.20 10–1 4.9b,4.7b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 57 24.9–.51 60.2S–.10 26.8W–.10 34 4.5b 58 18-153
NEIC VIII 12 19 57 25.2–1.4 60.2S–.10 26.8W–.30 35–1 4.6b **¶621009487**
IDC VIII 12 19 57 28.1–6.0 60.30S 26.78W 59–52 4.6L,4.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=19.6km az=227.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.5km s-min=18.9km az=48.0.
ISC VIII 12 20 22 14.5–.73 59.4S–.10 26.1W–.10 40 4.8b 55 8-153
IDC VIII 12 20 22 09.4–.88 59.33S 26.00W 0 4.6L,4.5b **¶621237449**
NEIC VIII 12 20 22 13.6–.87 59.5S–.10 25.9W–.20 35–2 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 58 20.6–.51 58.62S–.09 25.0W–.10 28 4.8b 50 19-153
IDC VIII 12 19 58 14.8–.87 59.11S 25.48W 0 4.6b,4.6 **¶620984529**
NEIC VIII 12 19 58 21.5–1.4 58.7S–.10 25.1W–.30 35–1 4.8b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 38 06.2–.54 59.49S–.06 25.95W–.06 54–4 5.4b 310 8-173
MOS VIII 12 20 38 00.4–1.5 59.44S 25.80W 18 5.5b **¶620984541**
GFZ VIII 12 20 38 00.9–.26 59S–4.0 26W–5.0 10 5.6b,5.6
IDC VIII 12 20 38 03.8–1.6 59.45S 25.73W 30–10 5.0,4.8b
NEIC VIII 12 20 38 05.8–1.6 59.56S–.09 25.9W–.20 58–5 5.4b,4.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 22 43.4–.47 56.77S–.08 25.17W–.08 22 4.9b 51 7-151
IDC VIII 12 20 22 40.9–1.2 56.76S 25.09W 0 4.7b,4.7 **¶621009512**
NEIC VIII 12 20 22 44.8–2.1 56.8S–.10 25.1W–.20 35–2 5.0b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 24 18.9–.64 60.7S–.10 26.5W–.10 20 4.6b 28 12-150
IDC VIII 12 20 24 16.5–1.2 60.67S 26.91W 0 4.7b,4.7 **¶621009513**
NEIC VIII 12 20 24 17.2–2.0 60.7S–.10 26.6W–.20 10–1 4.6b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 58 58.0–.52 60.48S–.06 27.30W–.06 12–3 5.3b 273 8-172
IDC VIII 12 19 58 55.4–.42 60.31S 26.94W 0 5.0L,4.9b **¶621009488**
NEIC VIII 12 19 58 57.7–2.3 60.44S–.09 27.3W–.20 10–1 5.4b,4.9b
GFZ VIII 12 19 58 59.6–.18 60S–4.0 27W–3.0 10 5.4b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 12 20 25 47.6–.58 57.5S–.10 25.13W–.09 15 4.6b 31 7-152
IDC VIII 12 20 25 45.5–.78 57.41S 25.05W 0 4.5b,4.5 **¶621009514**
NEIC VIII 12 20 25 50.7–1.4 57.5S–.10 25.1W–.10 35–2 4.5b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 29 14.7–.30 59.83S–.05 26.46W–.05 46–2 7.4s,5.6b 629 8-177
GFZ VIII 12 19 29 10.6–.26 60S–4.0 26W–5.0 10 5.8b,5.8 **¶620984522**
MOS VIII 12 19 29 12.7–1.1 59.81S 26.50W 37 5.7b,5.8
IDC VIII 12 19 29 14.2–1.6 59.74S 26.38W 36–12 6.1L,5.4
NEIC VIII 12 19 29 15.4–1.9 59.79S–.01 26.5W–.20 50–4 5.6b,5.4
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 28 38.2–.41 59.82S–.07 26.20W–.07 35 4.9b 96 8-153
IDC VIII 12 20 28 32.5–.62 59.70S 25.92W 0 4.6b,4.6 **¶620984536**
NEIC VIII 12 20 28 39.2–1.6 59.84S–.10 26.3W–.20 45–7 5.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 31 15.3–.36 58.55S–.06 25.00W–.08 28 5.0b 102 8-154
IDC VIII 12 20 31 10.8–.55 58.48S 24.89W 0 5.6L,4.8 **¶621009515**
NEIC VIII 12 20 31 16.3–1.9 58.60S–.05 25.0W–.20 35–1 5.1b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 32 51.8–.43 56.96S–.07 25.45W–.08 35 5.0b 73 7-151
IDC VIII 12 19 32 49.8–.79 57.30S 27.47W 0 5.8L,4.5b **¶621009479**
NEIC VIII 12 19 32 52.8–1.4 57.01S–.07 25.5W–.20 43–5 5.0b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 01 42.7–.61 59.9S–.10 26.3W–.10 26 4.7b 55 13-153
IDC VIII 12 20 01 38.8–1.5 60.09S 26.48W 0 4.5b,4.5 **¶621009490**
NEIC VIII 12 20 01 43.0–2.0 60.0S–.20 26.0W–.20 35–2 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 32 38.8–.45 58.48S–.08 24.87W–.08 28 4.6b 79 8-153
IDC VIII 12 20 32 34.8–.70 58.51S 24.96W 0 4.5b,4.5 **¶621009516**
NEIC VIII 12 20 32 39.9–2.2 58.6S–.10 24.8W–.20 35–1 5.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 33 17.7–.40 58.56S–.07 25.13W–.08 28 5.0b 117 8-155
IDC VIII 12 20 33 13.2–.62 58.48S 25.12W 0 5.4L,4.7b **¶621009519**
NEIC VIII 12 20 33 20.2–2.3 58.59S–.06 24.9W–.20 53–6 5.2b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 04 14.1–.45 59.23S–.09 25.27W–.08 35 4.9b 65 8-153
IDC VIII 12 20 04 09.0–.69 59.20S 25.10W 0 4.6b,4.6 **¶621009494**
NEIC VIII 12 20 04 14.4–.99 59.1S–.10 25.2W–.20 35–6 5.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 05 03.0–.47 60.44S–.08 26.89W–.10 10 4.9b 43 8-152
NEIC VIII 12 20 05 03.0–1.6 60.48S–.08 26.9W–.10 10–1 4.9b **¶621009497**
IDC VIII 12 20 05 02.5–1.3 60.24S 26.09W 0 4.7b,4.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=3.2km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.7km s-min=35.2km az=23.0.
ISC VIII 12 20 43 31.1–1.0 60.0S–.30 26.6W–.20 26 4.2b 7 33-153
IDC VIII 12 20 43 27.0–1.1 59.96S 26.52W 0 4.4b,4.3 **¶621009520**
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=34.5km az=13.0.
ISC VIII 12 20 36 19.9–.38 59.84S–.06 26.41W–.06 31–2 5.2b 233 8-155
IDC VIII 12 20 36 14.6–.45 59.88S 26.26W 0 5.0b,4.9 **¶621237450**
GFZ VIII 12 20 36 17.3–.38 60S–6.0 26W–7.0 10 5.4b,5.4
NEIC VIII 12 20 36 20.5–1.6 59.79S–.08 26.4W–.20 35–1 5.2b,5.4
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 36 10.3–.71 56.8S–.10 25.1W–.10 35 4.4b 21 7-151
IDC VIII 12 19 36 05.2–.91 56.54S 24.66W 0 4.5b,4.5 **¶621009480**
NEIC VIII 12 19 36 10.7–1.4 56.9S–.20 25.3W–.20 33–7 4.3b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 37 21.9–.30 56.98S–.07 25.40W–.07 35 5.1b 277 7-158
NEIC VIII 12 19 37 17.4–1.6 56.93S–.09 25.2W–.20 7–2 5.2b **¶620984534**
IDC VIII 12 19 37 24.8–4.6 57.04S 25.55W 55–40 4.9L,4.7
GFZ VIII 12 19 37 33.5–.45 56S–5.0 28W–6.0 10 5.3b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 12 21 07 02.1–.39 59.84S–.05 26.63W–.05 74–3 5.5b 508 8-177
IDC VIII 12 21 06 52.4–.49 59.88S 26.38W 0 5.4b,5.3 **¶621237454**
GFZ VIII 12 21 06 55.1–.13 60S–3.0 27W–3.0 10 6.4,5.5b
MOS VIII 12 21 07 00.5–1.1 59.80S 26.75W 67 5.7b,5.5b
NEIC VIII 12 21 07 01.8–1.7 59.84S–.10 26.7W–.20 68–4 5.6b,5.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 39 23.3–.34 59.04S–.07 24.93W–.07 18 5.0b 157 8-158
IDC VIII 12 19 39 20.4–.48 59.08S 25.08W 0 4.8b,4.8 **¶620984538**
GFZ VIII 12 19 39 22.5–.17 59S–4.0 25W–3.0 10 6.1,5.3b
NEIC VIII 12 19 39 23.6–1.4 59.1S–.10 25.0W–.20 20–4 5.0b,5.3b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 42 08.1–.48 56.50S–.09 24.95W–.09 10 4.6b 51 7-151
IDC VIII 12 19 42 07.4–.71 56.41S 24.72W 0 4.5b,4.5 **¶621009481**
NEIC VIII 12 19 42 07.8–1.6 56.5S–.10 25.0W–.10 6–4 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 06 33.4–.20 58.55S–.05 25.15W–.05 28 6.3s,5.7b 592 8-174
IDC VIII 12 20 06 28.9–.33 58.41S 25.02W 0 6.4s,5.5b **¶620984513**
GFZ VIII 12 20 06 31.9–.12 59S–3.0 25W–2.0 10 6.4,5.8b
MOS VIII 12 20 06 33.9–1.5 58.31S 25.05W 49 5.8b,5.8b
NEIC VIII 12 20 06 34.2–2.2 58.54S–.09 25.2W–.20 45–4 5.8b,5.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 44 34.4–.41 59.82S–.07 26.40W–.07 35 5.0b 97 9-153
IDC VIII 12 20 44 28.8–.59 59.78S 26.34W 0 5.8s,4.6b **¶621009521**
NEIC VIII 12 20 44 34.4–1.7 59.9S–.10 26.4W–.20 33–4 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 12 20 46 11.9–1.4 59.89S 26.31W 0 4.4b,4.3 ¶621009522
IDC Error ellipse: s-maj=60.7km s-min=40.8km az=48.0.
ISC VIII 12 20 48 08.4–.76 57.3S–.10 24.6W–.10 10 4.3b 29 17-152
IDC VIII 12 20 48 07.3–.80 57.30S 24.59W 0 4.3b,4.3 **¶621009523**
NEIC VIII 12 20 48 12.1–1.4 57.3S–.10 24.6W–.30 35–2 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 49 53.7–.40 59.81S–.06 26.34W–.06 36–2 5.1b 215 8-155
IDC VIII 12 20 49 47.7–.49 59.83S 26.30W 0 4.8b,4.7 **¶621237453**
GFZ VIII 12 20 49 49.5–.35 60S–6.0 26W–7.0 10 5.2b,5.2
NEIC VIII 12 20 49 54.4–1.4 59.87S–.03 26.5W–.20 49–5 5.1b,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 12 09.1–.64 58.8S–.10 25.2W–.10 18 4.8b 33 8-153
IDC VIII 12 21 12 06.6–1.6 58.90S 25.06W 0 4.3b,4.3 **¶621009532**
NEIC VIII 12 21 12 09.3–.75 58.8S–.10 25.2W–.20 18–5 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 12 26.6–.51 58.43S–.10 25.23W–.10 28 4.8b 45 19-154
IDC VIII 12 21 12 23.0–.69 58.45S 25.13W 0 4.6b,4.6 **¶621009535**
NEIC VIII 12 21 12 23.8–.96 58.4S–.10 25.2W–.20 9–5 5.1b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 13 42.3–.32 58.74S–.07 25.57W–.06 38 5.1b 137 8-162
IDC VIII 12 21 13 36.6–.47 58.67S 25.69W 0 4.6b,4.6 **¶621237455**
NEIC VIII 12 21 13 42.6–2.4 58.7S–.10 25.4W–.20 35–1 5.1b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 51 54.8–.56 59.4S–.10 25.34W–.10 32 4.7b 33 8-153
IDC VIII 12 20 51 50.5–1.0 59.39S 25.35W 0 4.6b,4.6 **¶621009525**
NEIC VIII 12 20 51 54.5–1.3 59.3S–.10 25.3W–.20 26–4 4.7b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 08 35.7–.33 58.03S–.05 25.27W–.05 40–3 5.8s,5.6b 552 7-175
IDC VIII 12 22 08 29.5–.34 57.89S 25.04W 0 5.7s,5.2b **¶620984554**
GFZ VIII 12 22 08 32.5–.15 58S–3.0 25W–3.0 10 6.2,5.5b
MOS VIII 12 22 08 34.9–1.0 57.97S 25.27W 41 5.7s,5.6b
NEIC VIII 12 22 08 35.8–1.9 57.99S–.09 25.2W–.20 35–1 5.8,5.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 17 39.2–.40 59.28S–.08 25.71W–.08 50 4.8b 88 8-154
NEIC VIII 12 21 17 40.6–1.2 59.27S–.10 25.7W–.20 59–6 4.9b **¶621237456**
IDC VIII 12 21 17 41.5–9.3 59.31S 25.75W 63–79 4.5,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=12.6km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.2km s-min=24.0km az=66.0.
ISC VIII 12 20 55 21.9–.58 59.8S–.10 25.9W–.10 35 4.8b 50 9-153
IDC VIII 12 20 55 16.7–1.7 60.10S 25.91W 0 4.4b,4.4 **¶621009527**
NEIC VIII 12 20 55 21.7–1.7 59.8S–.10 25.8W–.20 35–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 19 43 46.5–.30 59.79S–.05 26.49W–.05 41–2 7.1s,5.8b 747 8-179
GFZ VIII 12 19 43 43.7–.11 60S–3.0 27W–2.0 10 5.8b,5.8 **¶621072555**
NEIC VIII 12 19 43 46.0–2.1 59.84S–.09 26.5W–.20 35–1 7.0,6.0b
MOS VIII 12 19 43 48.3–1.1 59.77S 26.46W 34 5.7b,6.0b
IDC VIII 12 19 43 52.7–3.7 59.74S 26.49W 93–31 5.3,5.1b
ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.1km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=21.0km s-min=10.2km az=106.0.
IDC Error ellipse: s-maj=15.0km s-min=10.3km az=53.0.
ISC VIII 12 21 19 02.8–.94 60.2S–.30 26.3W–.20 26 4.1b 11 33-153
IDC VIII 12 21 18 58.8–1.1 60.19S 26.29W 0 4.3b,4.3 **¶626338539**
ISC Event type se.
IDC Error ellipse: s-maj=48.8km s-min=27.5km az=22.0.
ISC VIII 12 22 13 09.3–.37 59.81S–.07 26.47W–.07 26 5.0b 107 8-153
IDC VIII 12 22 13 05.3–.56 59.74S 26.34W 0 5.5L,4.8 **¶620984555**
NEIC VIII 12 22 13 10.3–1.4 59.84S–.06 26.5W–.20 35–1 5.1b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 00 29.3–.52 58.90S–.09 24.22W–.09 10 4.3b 33 8-153
NEIC VIII 12 21 00 30.0–1.6 58.96S–.06 24.2W–.20 10–1 4.6b **¶621009528**
IDC VIII 12 21 00 39.2–7.9 58.93S 24.22W 89–73 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.3km az=264.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.4km s-min=24.6km az=86.0.
ISC VIII 12 21 19 53.5–.37 60.15S–.06 26.49W–.06 25–2 5.2b 226 8-177
IDC VIII 12 21 19 49.8–.40 60.07S 26.54W 0 5.4L,4.7b **¶621237457**
GFZ VIII 12 21 19 52.0–.32 60S–6.0 27W–6.0 10 5.3b,5.3
NEIC VIII 12 21 19 54.8–1.6 60.15S–.10 26.6W–.20 35–1 5.3b,5.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 25 14.1–.31 58.75S–.06 25.49W–.07 35 4.8b 171 8-158
NEIC VIII 12 21 25 14.8–1.4 58.76S–.10 25.6W–.10 35–1 4.9b **¶621009543**
IDC VIII 12 21 25 15.1–4.9 58.72S 25.60W 42–43 4.6,4.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=11.8km az=173.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=14.5km az=58.0.
NEIC VIII 12 21 04 29.8–1.0 59.75S–.04 23.5W–.20 10–1 4.8b
¶622451435
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 14 07.9–.53 58.20S–.07 25.46W–.09 35 4.8b 52 7-152
IDC VIII 12 23 14 05.0–.97 58.27S 25.51W 0 4.6L,4.0 **¶621009582**
NEIC VIII 12 23 14 08.3–2.1 58.2S–.10 25.4W–.20 35–2 4.9b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 14 23.8–.67 58.1S–.10 25.86W–.09 35 4.7b 29 7-152
IDC VIII 12 23 14 19.2–1.1 58.06S 25.69W 0 4.3L,4.3 **¶621009585**
NEIC VIII 12 23 14 23.1–1.1 58.1S–.10 25.8W–.20 25–8 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 14 47.1–.59 58.0S–.10 25.32W–.09 10 5.0b 39 7-154
IDC VIII 12 22 14 46.2–1.3 58.11S 25.34W 0 4.6b,4.6 **¶621009561**
NEIC VIII 12 22 14 49.0–.99 57.9S–.20 25.3W–.20 18–4 5.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 17 28.7–.45 56.71S–.08 25.25W–.09 10 5.0b 59 7-154
IDC VIII 12 22 17 27.3–.89 56.62S 24.96W 0 4.5b,4.5 **¶621009562**
NEIC VIII 12 22 17 28.9–1.6 56.75S–.09 25.2W–.20 10–1 5.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 04 41.4–.38 57.79S–.07 27.79W–.07 10 4.9b 117 6-153
IDC VIII 12 21 04 40.5–.59 57.77S 27.75W 0 4.3b,4.3 **¶621009529**
NEIC VIII 12 21 04 41.5–1.2 57.82S–.03 27.8W–.20 10–1 4.9b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 27 51.9–.43 59.92S–.08 25.87W–.09 16 4.6b 61 8-154
NEIC VIII 12 21 27 51.0–1.8 60.0S–.10 25.9W–.20 10–1 4.8b **¶621009544**
IDC VIII 12 21 27 57.9–7.6 59.88S 26.25W 62–66 4.3,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=16.2km az=217.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=22.6km az=46.0.
ISC VIII 12 23 14 49.7–.57 58.71S–.08 25.1W–.10 10 4.6b 51 8-153
IDC VIII 12 23 14 48.0–.73 58.66S 25.17W 0 4.6L,4.5 **¶621009588**
NEIC VIII 12 23 14 50.9–.91 58.7S–.10 25.2W–.20 15–6 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 19 09.3–.37 59.91S–.06 26.17W–.07 16 4.8b 95 8-155
IDC VIII 12 22 19 06.5–.56 59.84S 26.20W 0 4.6b,4.6 **¶620984559**
NEIC VIII 12 22 19 11.9–1.4 59.85S–.09 26.1W–.20 35–2 4.9b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 30 49.8–.83 57.4S–.20 25.1W–.20 15 10 20-152
IDC VIII 12 21 30 47.6–.82 57.42S 25.05W 0 5.8s,4.4b **¶621009545**
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=28.0km az=119.0.
ISC VIII 12 23 17 03.4–.55 60.58S–.09 26.29W–.09 10 4.4b 31 8-153
NEIC VIII 12 23 17 03.4–1.3 60.6S–.10 26.3W–.20 10–1 4.5b **¶621009589**
IDC VIII 12 23 17 03.7–.98 60.23S 26.16W 0 4.3L,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=8.0km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.7km s-min=25.0km az=42.0.
ISC VIII 12 21 37 38.2–.47 59.82S–.08 26.37W–.09 26 4.7b 68 8-153
NEIC VIII 12 21 37 39.8–1.1 59.88S–.04 26.4W–.20 35–1 4.7b **¶621009546**
IDC VIII 12 21 37 47.2–6.6 59.87S 26.58W 101–58 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=6.6km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.3km s-min=16.0km az=62.0.
ISC VIII 12 21 38 50.7–.78 60.9S–.20 27.0W–.30 10 4.0b 10 12-152
IDC VIII 12 21 38 50.1–.92 60.75S 27.25W 0 4.3b,4.3 **¶621009547**
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=29.1km az=67.0.
ISC VIII 12 21 06 45.7–.34 58.57S–.08 25.20W–.09 28 4.8b 85 14-174
IDC VIII 12 21 06 41.8–.36 58.49S 25.23W 0 5.1L,4.7b **¶626338538**
ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=12.1km az=51.0.
ISC VIII 12 21 42 26.4–.48 60.17S–.10 26.5W–.10 26 4.8b 58 30-153
IDC VIII 12 21 42 23.5–.80 60.33S 26.95W 0 4.2b,4.2 **¶621009548**
NEIC VIII 12 21 42 23.9–1.3 60.1S–.10 26.4W–.20 10–1 4.9b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 22 12.7–.58 57.0S–.10 24.80W–.10 22 4.9b 34 7-152
IDC VIII 12 22 22 09.5–1.0 56.99S 24.84W 0 4.3b,4.3 **¶621009563**
NEIC VIII 12 22 22 11.0–1.4 57.0S–.10 24.8W–.20 10–1 5.0b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 46 51.1–.40 56.95S–.07 25.14W–.08 22 4.8b 73 7-158
IDC VIII 12 21 46 47.8–.58 56.90S 25.05W 0 4.6b,4.6 **¶621009549**
NEIC VIII 12 21 46 50.1–1.1 56.96S–.09 25.1W–.20 14–4 4.9b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 12 22 26 59.4–2.0 58.62S 24.74W 0 4.0b,4.0
¶621009564
IDC Error ellipse: s-maj=80.6km s-min=36.4km az=176.0.
IDC VIII 12 23 18 50.6–1.2 58.70S 25.20W 0 4.2L,4.2
¶621009590
IDC Error ellipse: s-maj=46.2km s-min=34.9km az=38.0.
ISC VIII 12 21 48 21.6–.28 57.97S–.06 25.28W–.07 49 4.9b 180 7-155
IDC VIII 12 21 48 14.7–.45 57.97S 25.36W 0 4.7b,4.6L **¶620984556**
NEIC VIII 12 21 48 20.3–1.8 58.0S–.10 25.2W–.20 35–1 5.1b,4.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 33 23.2–.61 58.78S–.09 24.90W–.09 18 4.4b 29 8-153
IDC VIII 12 22 33 21.9–1.1 58.78S 24.93W 0 4.0b,4.0 **¶621009565**
NEIC VIII 12 22 33 22.0–1.8 58.80S–.08 24.9W–.20 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 51 49.2–.56 58.02S–.10 24.49W–.09 24 4.8b 34 8-153
IDC VIII 12 21 51 45.5–1.1 58.04S 24.43W 0 4.3b,4.3 **¶621009550**
NEIC VIII 12 21 51 47.6–1.9 57.92S–.09 24.6W–.20 10–1 4.9b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 12 22 33 46.8–2.2 57.46S 25.76W 0 4.5b,4.5
¶621009568
IDC Error ellipse: s-maj=202.5km s-min=40.4km az=26.0.
ISC VIII 12 23 20 03.3–.31 58.81S–.06 25.20W–.06 35 4.8b 127 8-158
IDC VIII 12 23 19 58.2–.45 58.76S 25.18W 0 4.7L,4.7b **¶621237464**
NEIC VIII 12 23 20 03.1–1.6 58.79S–.10 25.2W–.20 35–1 4.8b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 22 43.1–.90 58.5S–.20 25.6W–.20 38 4.0b 9 16-152
IDC VIII 12 23 22 38.1–1.2 58.30S 25.56W 0 4.5L,4.2 **¶621009592**
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=28.8km az=31.0.
IDC VIII 12 21 55 38.6–1.2 55.18S 22.36W 0 3.9b,3.9
¶621009551
IDC Error ellipse: s-maj=56.8km s-min=30.7km az=46.0.
ISC VIII 12 21 56 57.1–.29 60.58S–.06 26.33W–.06 20 5.2b 211 9-162
IDC VIII 12 21 56 54.3–.40 60.54S 26.36W 0 4.8b,4.8 **¶621237458**
NEIC VIII 12 21 56 55.8–1.8 60.59S–.08 26.5W–.10 10–1 5.2b,4.8
GFZ VIII 12 21 56 55.0–.30 60S–5.0 26W–6.0 10 6.0,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 12 23 23 43.9–.38 58.71S–.05 25.22W–.06 34–1 5.5s,5.1b 364 8-174
IDC VIII 12 23 23 39.0–.40 58.64S 25.05W 0 5.0b,4.9 **¶620984565**
GFZ VIII 12 23 23 40.8–.37 59S–5.0 25W–7.0 10 5.5,5.1b
NEIC VIII 12 23 23 45.0–1.5 58.76S–.08 25.3W–.20 43–4 5.2b,5.1b
BJI VIII 12 23 23 46.5 58.80S 25.20W 50 5.7s,5.5
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=13.6km az=65.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.7km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 38 58.8–.53 58.72S–.08 25.22W–.08 28 4.7b 50 8-153
IDC VIII 12 22 38 54.7–.90 58.66S 25.24W 0 4.1b,4.1 **¶621009569**
NEIC VIII 12 22 38 59.5–1.4 58.82S–.10 25.2W–.20 35–2 4.8b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 21 57 53.8–.68 58.7S–.20 25.13W–.08 28 4.9b 48 8-153
IDC VIII 12 21 57 50.5–1.3 58.66S 25.01W 0 4.6b,4.6 **¶621009554**
NEIC VIII 12 21 57 54.6–1.1 58.7S–.10 25.1W–.20 35–2 4.9b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 40 00.0–.46 59.80S–.08 26.39W–.09 26 4.8b 78 8-153
IDC VIII 12 22 39 55.4–.58 59.70S 26.32W 0 5.3L,4.8s **¶620984704**
NEIC VIII 12 22 40 01.6–1.0 59.89S–.06 26.7W–.10 35–2 4.9b,4.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 01 37.3–.71 59.9S–.10 25.5W–.10 26 4.5b 32 8-153
IDC VIII 12 22 01 33.8–.94 59.91S 25.48W 0 4.4L,4.2 **¶621009555**
NEIC VIII 12 22 01 35.0–1.1 59.9S–.10 25.6W–.30 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 47 57.6–.38 57.98S–.07 24.00W–.07 10 4.9b 77 8-154
IDC VIII 12 22 47 56.0–.63 57.95S 23.87W 0 4.4L,4.3b **¶621009570**
NEIC VIII 12 22 47 58.1–1.6 58.00S–.09 24.0W–.10 10–1 5.0b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 06 13.6–.35 58.47S–.07 25.21W–.07 28 5.0b 109 8-174
IDC VIII 13 00 06 09.4–.45 58.46S 25.23W 0 5.1L,4.8b **¶620984579**
NEIC VIII 13 00 06 13.9–1.4 58.48S–.07 25.1W–.10 27–4 5.1b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 02 08.4–.41 60.61S–.08 25.89W–.07 28 4.9b 53 9-158
NEIC VIII 12 22 02 05.6–1.2 60.68S–.07 25.8W–.10 10–1 5.0b **¶621009558**
IDC VIII 12 22 02 06.3–1.1 60.80S 25.95W 0 4.4b,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.4km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.8km s-min=30.6km az=60.0.
ISC VIII 12 22 04 24.7–.40 59.32S–.08 25.44W–.07 32 4.8b 80 8-153
IDC VIII 12 22 04 19.6–.59 59.33S 25.57W 0 4.4b,4.4 **¶621009559**
NEIC VIII 12 22 04 24.8–1.8 59.4S–.10 25.5W–.20 35–1 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 24 26.7–.29 58.74S–.05 25.26W–.06 36–4 5.5s,5.4b 298 8-176
IDC VIII 12 23 24 21.4–.40 58.62S 25.01W 0 5.2L,5.2b **¶621237466**
MOS VIII 12 23 24 25.4–1.2 58.70S 25.23W 38 5.4b,5.2b
NEIC VIII 12 23 24 26.3–2.0 58.76S–.09 25.1W–.20 36–4 5.5,5.5b
BJI VIII 12 23 24 28.0 58.80S 25.10W 51 5.7s,5.5
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=13.7km az=58.0.
MOS Error ellipse: s-maj=22.7km s-min=10.8km az=109.1.

NEIC Event type se. Error ellipse: s-maj=13.6km s-min=11.2km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 05 46.5–.91 56.7S–.10 25.1W–.20 40 4.5b 23 7-151
IDC VIII 12 22 05 41.0–1.4 56.71S 25.06W 0 4.4b,4.4 **¶621009560**
NEIC VIII 12 22 05 42.4–.46 56.8S–.10 24.9W–.30 10–2 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 07 41.3–.42 58.73S–.09 26.52W–.08 100 4.9b 67 7-153
IDC VIII 13 00 07 29.4–.77 58.67S 26.27W 0 4.7b,4.6 **¶621237471**
NEIC VIII 13 00 07 41.3–1.9 58.7S–.10 26.5W–.20 101–4 4.9b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 50 33.5–.49 58.70S–.08 25.18W–.09 28 4.5b 48 8-153
IDC VIII 13 00 50 29.2–.63 58.66S 25.22W 0 4.5L,4.3b **¶621011954**
NEIC VIII 13 00 50 34.8–1.7 58.8S–.10 25.2W–.20 35–2 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 09 38.2–1.6 59.0S–.60 24.9W–.60 18 6 75-153
IDC VIII 13 00 09 35.9–1.9 58.81S 24.92W 0 4.1b,4.1 **¶621011931**
ISC Event type se.
IDC Error ellipse: s-maj=106.4km s-min=78.8km az=149.0.
ISC VIII 13 00 10 20.3–.86 60.4S–.10 26.3W–.20 20 10 15-153
IDC VIII 13 00 10 17.3–1.1 60.10S 26.70W 0 4.5b,4.5 **¶621011934**
ISC Event type se.
IDC Error ellipse: s-maj=44.2km s-min=30.2km az=92.0.
ISC VIII 12 22 51 51.3–.56 55.67S–.09 26.16W–.08 32 4.6b 29 6-72
IDC VIII 12 22 51 47.9–1.3 55.65S 26.09W 0 4.2b,4.2 **¶621009571**
NEIC VIII 12 22 51 48.5–1.8 55.6S–.10 26.1W–.10 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 54 47.6–.46 58.25S–.07 24.39W–.08 10 4.5b 59 8-153
IDC VIII 12 22 54 46.4–.65 58.16S 24.28W 0 4.5L,4.4 **¶621009573**
NEIC VIII 12 22 54 48.2–2.2 58.28S–.09 24.44W–.07 10–1 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 12 22 59 27.7–1.8 58.11S 25.15W 0 4.2b,4.2
¶621009574
IDC Error ellipse: s-maj=106.7km s-min=74.2km az=123.0.
ISC VIII 13 00 52 24.3–.84 57.4S–.10 24.1W–.20 10 4.1b 10 20-152
IDC VIII 13 00 52 22.8–.90 57.36S 24.13W 0 4.1b,4.1 **¶621011955**
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=22.2km az=96.0.
ISC VIII 13 00 55 33.7–.52 57.38S–.08 24.84W–.08 15 4.5b 47 7-152
IDC VIII 13 00 55 31.6–.83 57.25S 24.95W 0 4.3b,4.3 **¶621011957**
NEIC VIII 13 00 55 33.0–2.0 57.37S–.08 24.8W–.20 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 22 59 51.8–.50 58.1S–.10 24.94W–.08 40 4.6b 34 7-152
IDC VIII 12 22 59 46.7–1.9 58.15S 24.86W 0 4.0b,4.0 **¶621009577**
NEIC VIII 12 22 59 49.8–1.4 58.11S–.08 24.9W–.20 23–5 4.7b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 14 48.5–.86 57.6S–.10 24.9W–.20 15 4.0b 9 17-152
IDC VIII 13 00 14 46.4–.91 57.52S 25.06W 0 4.5L,4.1 **¶621011935**
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=25.1km az=88.0.
ISC VIII 12 23 32 59.0–.27 58.70S–.06 25.33W–.06 38 5.0b 216 8-174
IDC VIII 12 23 32 53.7–.38 58.56S 25.23W 0 5.2L,4.9b **¶621237467**
NEIC VIII 12 23 32 57.0–1.8 58.68S–.09 25.3W–.20 21–3 5.0b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 34 24.3–.42 58.67S–.08 25.25W–.08 28 4.9b 55 8-153
IDC VIII 12 23 34 20.3–.69 58.61S 25.20W 0 4.6L,4.6b **¶621009596**
NEIC VIII 12 23 34 25.2–1.0 58.7S–.10 25.3W–.20 34–5 4.9b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 58 00.0–.58 57.37S–.09 25.09W–.10 15 4.5b 37 7-152
IDC VIII 13 00 57 57.5–.75 57.34S 25.04W 0 4.3b,4.3 **¶621011958**
NEIC VIII 13 00 58 03.4–1.1 57.4S–.10 25.1W–.20 37–7 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 59 12.1–1.5 58.2S–.60 23.8W–.60 10 6 20-153
IDC VIII 13 00 59 10.9–1.4 58.05S 23.89W 0 4.3,4.2b **¶621011959**
ISC Event type se.
IDC Error ellipse: s-maj=108.5km s-min=36.7km az=136.0.
ISC VIII 13 00 16 28.5–.36 58.11S–.07 23.30W–.07 16 4.7b 89 8-153
IDC VIII 13 00 16 26.1–.49 58.04S 23.46W 0 5.1L,4.4 **¶620987186**
NEIC VIII 13 00 16 28.2–1.2 58.16S–.09 23.4W–.20 10–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 01 01 23.4–1.4 57.03S 25.80W 0 4.0,3.9b
¶621011960
IDC Error ellipse: s-maj=47.0km s-min=32.2km az=101.0.
ISC VIII 12 23 01 02.3–.35 57.92S–.06 25.18W–.07 40 4.7b 127 7-154
IDC VIII 12 23 00 56.6–.53 57.83S 25.27W 0 4.6L,4.4b **¶621009578**
NEIC VIII 12 23 01 01.8–1.2 57.99S–.08 25.15W–.10 35–1 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 01 02 48.5–2.1 57.08S 24.17W 0 3.9b,3.9
¶621011961
IDC Error ellipse: s-maj=57.8km s-min=37.5km az=140.0.
ISC VIII 12 23 35 06.3–.43 58.79S–.08 25.09W–.09 18 4.8b 62 8-153
IDC VIII 12 23 35 04.0–.66 58.70S 25.15W 0 4.5b,4.5 **¶621009599**
NEIC VIII 12 23 35 05.3–1.2 58.81S–.10 25.1W–.20 10–1 4.9b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 01 04 56.3–1.4 57.48S 25.70W 0 4.0b,4.0
¶621011962
IDC Error ellipse: s-maj=48.9km s-min=32.3km az=67.0.
ISC VIII 12 23 02 06.6–.76 58.9S–.10 25.2W–.10 18 4.5b 35 8-153
IDC VIII 12 23 02 03.9–1.3 58.81S 25.34W 0 4.2b,4.2 **¶621009579**
NEIC VIII 12 23 02 05.7–1.0 58.9S–.10 25.1W–.20 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 01 06 10.9–.49 58.17S–.09 23.42W–.10 16 4.4b 37 8-153
NEIC VIII 13 01 06 10.3–1.8 58.2S–.10 23.3W–.20 10–1 4.7b **¶621011963**
IDC VIII 13 01 06 14.2–6.4 58.13S 23.59W 39–53 4.3,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=15.1km az=43.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.7km s-min=19.0km az=51.0.
ISC VIII 13 00 18 24.5–.48 58.93S–.08 25.08W–.08 18 4.6b 49 8-153
IDC VIII 13 00 18 22.6–.80 58.82S 25.16W 0 4.4b,4.4 **¶621011936**
NEIC VIII 13 00 18 23.5–1.2 58.92S–.06 25.0W–.20 10–1 4.7b,4.4
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 38 30.5–.67 60.38S–.09 27.2W–.10 19 4.5b 30 8-153
IDC VIII 12 23 38 28.3–.85 60.31S 27.17W 0 4.3,4.2b **¶621009600**
NEIC VIII 12 23 38 33.4–1.6 60.32S–.07 27.3W–.20 35–2 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 01 08 32.7–.83 58.4S–.20 26.6W–.10 100 4.3b 18 7-152
IDC VIII 13 01 08 29.4–1.1 57.78S 24.48W 0 4.1L,4.0 **¶620984708**
NEIC VIII 13 01 08 33.9–2.4 58.4S–.10 26.6W–.30 120–12 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 20 31.5–.57 58.49S–.10 23.95W–.09 10 4.6b 29 8-153
IDC VIII 13 00 20 30.2–1.3 58.34S 24.10W 0 4.4,4.3L **¶621011937**
NEIC VIII 13 00 20 31.9–1.7 58.5S–.10 23.9W–.20 10–1 4.6b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 01 09 01.5–.50 58.91S–.08 24.91W–.09 18 4.6b 52 8-153
IDC VIII 13 01 08 59.6–.65 58.78S 25.12W 0 4.4b,4.4 **¶621011964**
NEIC VIII 13 01 09 00.1–1.2 59.0S–.10 24.8W–.20 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 40 36.5–.85 57.0S–.10 25.0W–.10 22 4.4b 25 7-152
IDC VIII 12 23 40 33.6–1.5 56.92S 24.89W 0 4.2b,4.2 **¶621009601**
NEIC VIII 12 23 40 34.7–1.7 57.0S–.10 24.9W–.20 10–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 01 18 19.3–.64 58.7S–.10 25.1W–.10 28 4.2b 23 16-153
IDC VIII 13 01 18 15.5–.77 58.68S 25.31W 0 4.4L,4.1b **¶621011966**
NEIC VIII 13 01 18 16.5–1.4 58.7S–.10 24.9W–.30 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 07 41.7–.42 58.71S–.07 25.32W–.08 38 4.7b 87 10-153
IDC VIII 12 23 07 36.6–.54 58.72S 25.37W 0 4.4b,4.4 **¶620984516**
NEIC VIII 12 23 07 41.4–2.0 58.7S–.10 25.31W–.07 35–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 22 29.2–.44 58.51S–.07 24.94W–.08 10 4.7b 57 8-153
IDC VIII 13 00 22 28.0–.62 58.41S 24.87W 0 4.4b,4.4 **¶621011938**
NEIC VIII 13 00 22 29.6–1.1 58.55S–.09 24.9W–.20 10–1 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 45 27.8–.35 58.73S–.06 25.18W–.07 28 4.7b 90 8-158
IDC VIII 12 23 45 23.6–.50 58.71S 25.21W 0 4.8L,4.3b **¶621009602**
NEIC VIII 12 23 45 28.9–1.6 58.75S–.09 25.14W–.08 35–1 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 01 21 51.7–.95 56.9S–.20 25.0W–.30 22 3.9b 8 33-152
IDC VIII 13 01 21 48.2–.97 56.93S 24.91W 0 3.9b,3.9 **¶621011967**
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=24.1km az=70.0.
ISC VIII 13 01 26 41.1–.30 58.57S–.06 25.01W–.06 28 4.8b 212 8-155
IDC VIII 13 01 26 39.8–2.5 58.55S 25.13W 18–15 4.8L,4.5 **¶620984709**
NEIC VIII 13 01 26 41.8–1.6 58.63S–.06 25.0W–.20 30–3 5.0b,4.5
GFZ VIII 13 01 26 44.0–.20 58S–4.0 25W–3.0 58 4.8b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 12 23 48 33.3–.45 57.03S–.08 24.99W–.08 22 4.8b 74 7-153
IDC VIII 12 23 48 30.4–.53 56.98S 24.96W 0 4.6b,4.6 **¶621009603**
NEIC VIII 12 23 48 31.7–1.8 57.1S–.10 25.0W–.20 10–1 4.8b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 08 12.2–.35 59.77S–.08 26.28W–.06 35 5.0b 142 8-157
IDC VIII 12 23 08 06.2–.52 59.98S 26.23W 0 4.7b,4.7 **¶621009580**
NEIC VIII 12 23 08 12.3–1.7 59.9S–.10 26.2W–.20 35–2 5.1b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 25 01.5–.39 60.61S–.07 26.95W–.08 19 4.8b,4.5s 103 8-153
IDC VIII 13 00 24 57.5–.54 60.39S 27.07W 0 5.0L,4.5 **¶620984706**
GFZ VIII 13 00 24 60.0–.31 61S–7.0 27W–9.0 10 4.9b,4.9
NEIC VIII 13 00 25 01.0–2.1 60.75S–.09 27.0W–.20 10–1 4.8b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 01 34 38.6–.73 58.4S–.10 23.5W–.20 10 4.2b 22 8-153
NEIC VIII 13 01 34 38.6–1.6 58.3S–.20 23.3W–.30 10–1 4.5b **¶621011968**
IDC VIII 13 01 34 39.1–.79 58.72S 25.04W 0 4.2b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=18.1km az=39.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.6km s-min=20.7km az=67.0.
ISC VIII 13 01 39 13.6–.37 57.78S–.06 24.89W–.07 40 4.9b 104 7-153
IDC VIII 13 01 39 11.2–2.3 57.71S 24.86W 22–13 4.6L,4.5 **¶620987185**
NEIC VIII 13 01 39 13.3–2.6 57.80S–.04 24.9W–.20 35–2 4.9b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 27 38.2–.80 57.1S–.10 25.1W–.10 22 4.4b 22 7-152
IDC VIII 13 00 27 34.7–1.0 57.02S 24.78W 0 4.2b,4.1 **¶621011939**
NEIC VIII 13 00 27 36.6–1.3 57.1S–.10 25.0W–.20 10–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 50 11.8–.22 58.36S–.05 24.28W–.05 10 5.4b,5.2s 470 8-175
IDC VIII 12 23 50 10.1–.34 58.22S 24.32W 0 5.1L,5.1b **¶621237469**
NEIC VIII 12 23 50 11.6–1.7 58.37S–.06 24.3W–.10 10–1 5.5b,5.1
MOS VIII 12 23 50 14.6–1.1 58.45S 24.71W 37 5.4b,5.1s
GFZ VIII 12 23 50 16.0–.24 58S–3.0 25W–3.0 30–1 6.1b,5.7
BJI VIII 12 23 50 15.0 58.40S 24.40W 33 5.7s,5.4
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=12.2km az=50.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.5km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=21.7km s-min=10.9km az=108.8.
GFZ Error ellipse: s-maj=7.5km s-min=5.1km az=24.6. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 13 01 46 51.4–1.0 56.8S–.20 25.1W–.30 22 4.0b 6 33-151
IDC VIII 13 01 46 47.9–1.0 56.79S 25.08W 0 4.0b,4.0 **¶620984710**
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=26.4km az=80.0.
ISC VIII 13 02 00 55.0–.42 58.72S–.08 24.88W–.08 28 4.6b 59 8-158
NEIC VIII 13 02 00 56.2–1.6 58.77S–.10 24.9W–.20 35–2 4.6b **¶621011972**
IDC VIII 13 02 00 57.3–4.8 58.75S 24.92W 43–43 4.5,4.3L

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=13.9km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=17.6km az=64.0.
ISC VIII 13 00 31 33.0–.55 60.44S–.09 26.89W–.09 19 4.6b 46 8-153
IDC VIII 13 00 31 30.3–.79 60.25S 26.74W 0 4.1b,4.1 **¶621011940**
NEIC VIII 13 00 31 32.2–1.1 60.47S–.10 26.9W–.10 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 01 47 38.0–.26 58.34S–.06 24.30W–.05 10 5.2b,5.1s 301 8-175
NEIC VIII 13 01 47 37.9–2.1 58.37S–.09 24.2W–.20 10–1 5.3b,5.1s **¶621011969**
IDC VIII 13 01 47 38.9–3.4 58.29S 24.22W 18–20 5.0s,4.8
GFZ VIII 13 01 47 39.0–.16 58S–3.0 24W–3.0 10 5.3,5.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 13 00 34 07.2–.54 57.38S–.08 24.42W–.09 10 4.6b 52 7-152
IDC VIII 13 00 34 06.4–.79 57.37S 24.68W 0 4.5L,4.4 **¶621011941**
NEIC VIII 13 00 34 07.3–1.3 57.39S–.09 24.39W–.07 10–1 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 01 52 14.8–.70 58.4S–.10 24.4W–.10 10 4.6b 24 8-153
IDC VIII 13 01 52 14.0–1.0 58.28S 24.46W 0 4.5L,4.3b **¶621011971**
NEIC VIII 13 01 52 15.2–1.2 58.4S–.10 24.3W–.20 10–2 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 36 34.1–.70 58.3S–.10 23.8W–.10 10 4.3b 24 8-153
IDC VIII 13 00 36 32.9–.77 58.24S 23.76W 0 4.3b,4.3 **¶620987194**
NEIC VIII 13 00 36 34.3–1.4 58.4S–.10 23.8W–.30 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 12 23 51 04.0–1.0 58.33S 25.79W 0 5.1b,5.1
¶626338540
IDC Error ellipse: s-maj=59.2km s-min=33.2km az=63.0.
ISC VIII 12 23 54 00.7–.53 58.87S–.07 24.96W–.08 18 4.8b 49 8-153
IDC VIII 12 23 53 58.5–.79 58.79S 24.93W 0 4.5,4.4b **¶621009607**
NEIC VIII 12 23 53 59.7–2.4 58.83S–.10 24.9W–.20 10–1 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 02 04 51.5–.41 58.19S–.08 23.63W–.09 10 4.6b 59 8-159
IDC VIII 13 02 04 50.3–.47 58.11S 23.71W 0 4.5L,4.5 **¶621011973**
NEIC VIII 13 02 04 51.8–.95 58.2S–.10 23.6W–.20 10–1 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 02 41 40.5–3.6 58.84S 25.83W 0 3.9b,3.9
¶621011989
IDC Error ellipse: s-maj=130.4km s-min=60.8km az=171.0.
ISC VIII 13 02 09 20.4–.95 59.6S–.20 24.0W–.20 10 7 15-154
IDC VIII 13 02 09 20.0–1.1 59.35S 24.13W 0 4.2L,4.1 **¶621011974**
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=27.6km az=41.0.
ISC VIII 13 00 37 15.8–.49 58.83S–.09 25.2W–.10 18 4.5b 41 8-153
IDC VIII 13 00 37 13.3–.59 58.76S 25.16W 0 4.8L,4.4b **¶621011942**
NEIC VIII 13 00 37 18.3–1.4 58.9S–.10 25.2W–.20 35–2 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 40 13.4–.73 58.1S–.10 23.7W–.20 10 4.1b 13 16-153
IDC VIII 13 00 40 12.2–.74 58.03S 23.80W 0 4.3L,4.2b **¶621011944**
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=19.2km az=83.0.
ISC VIII 13 00 40 24.8–1.0 58.6S–.20 24.9W–.60 10 7 32-153
IDC VIII 13 00 40 23.4–.95 58.69S 24.59W 0 4.4b,4.4 **¶621011947**
ISC Event type se.
IDC Error ellipse: s-maj=72.8km s-min=33.8km az=100.0.
ISC VIII 13 00 41 13.0–1.0 58.6S–.20 23.4W–.30 10 7 20-153
IDC VIII 13 00 41 11.8–1.1 58.50S 23.58W 0 4.4b,4.4 **¶621011950**
ISC Event type se.
IDC Error ellipse: s-maj=61.7km s-min=30.7km az=117.0.
ISC VIII 12 23 58 05.5–.47 58.74S–.08 25.19W–.08 28 4.5b 53 8-153
IDC VIII 12 23 58 01.6–.64 58.62S 25.17W 0 4.4L,4.3b **¶621009609**
NEIC VIII 12 23 58 06.4–1.0 58.76S–.10 25.2W–.20 33–6 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 00 00.5–.55 58.44S–.09 25.01W–.10 28 4.5b 38 8-153
IDC VIII 12 23 59 56.7–.74 58.29S 24.94W 0 4.4L,4.3b **¶621009610**
NEIC VIII 13 00 00 01.7–.95 58.5S–.10 25.0W–.20 36–8 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 02 12 52.2–.87 57.0S–.20 25.0W–.20 22 3.8b 8 33-152
IDC VIII 13 02 12 48.8–.89 56.94S 24.96W 0 3.9b,3.9 **¶621011975**
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=22.1km az=63.0.
ISC VIII 13 02 51 00.3–1.1 57.1S–.20 24.8W–.30 22 3.8b 6 17-152
IDC VIII 13 02 50 57.5–1.2 56.99S 24.93W 0 4.3L,4.0b **¶621011990**
ISC Event type se.
IDC Error ellipse: s-maj=47.5km s-min=27.0km az=64.0.
IDC VIII 13 02 15 28.1–1.1 56.99S 24.57W 0 3.9b,3.9
¶621011976
IDC Error ellipse: s-maj=48.3km s-min=32.9km az=80.0.
ISC VIII 13 00 42 14.1–.41 60.06S–.08 24.74W–.08 10 4.9b,4.4s 97 9-154
NEIC VIII 13 00 42 13.8–1.4 60.1S–.10 24.8W–.20 10–1 4.9b,4.4s **¶620984581**
IDC VIII 13 00 42 13.6–.56 60.02S 24.93W 0 5.2L,4.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=14.7km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.3km s-min=14.4km az=55.0.
ISC VIII 13 02 57 27.3–.43 60.33S–.08 25.07W–.09 10 4.6b,3.8s 57 9-159
IDC VIII 13 02 57 26.0–.49 60.22S 25.00W 0 4.5b,4.5 **¶620984715**
NEIC VIII 13 02 57 27.3–1.8 60.3S–.10 25.1W–.20 10–1 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 03 02 24.8–.67 58.8S–.10 25.1W–.10 28 4.2b 24 16-153
IDC VIII 13 03 02 20.5–.95 58.70S 25.10W 0 4.0b,4.0 **¶621011991**
NEIC VIII 13 03 02 26.3–.57 58.8S–.10 25.2W–.30 35–2 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 45 56.4–1.6 58.1S–.50 25.2W–.30 40 8 39-152
IDC VIII 13 00 45 50.9–1.6 58.01S 25.14W 0 4.2b,4.2 **¶620984582**
ISC Event type se.
IDC Error ellipse: s-maj=67.2km s-min=36.4km az=13.0.
ISC VIII 13 00 01 30.6–.71 59.3S–.10 24.3W–.10 10 4.6b 26 8-153
NEIC VIII 13 00 01 29.9–1.2 59.2S–.20 24.0W–.30 10–1 4.7b **¶621011928**
IDC VIII 13 00 01 30.7–1.5 59.03S 24.07W 0 5.1L,4.6
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=32.2km s-min=14.5km az=42.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=83.3km s-min=30.1km az=79.0.
ISC VIII 13 02 17 47.4–.75 60.3S–.20 26.5W–.20 20 4.1b 12 13-153
IDC VIII 13 02 17 44.8–.81 60.15S 26.57W 0 4.2L,4.1b **¶621011977**
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=17.6km az=53.0.
ISC VIII 13 03 07 16.0–.67 59.4S–.10 25.6W–.10 32 4.4b 25 10-153
NEIC VIII 13 03 07 12.6–1.4 59.4S–.10 25.48W–.06 10–1 4.4b **¶621011992**
IDC VIII 13 03 07 12.3–.85 59.37S 25.87W 0 4.6L,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=5.1km az=359.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.6km s-min=20.2km az=62.0.
ISC VIII 13 03 07 52.1–.81 59.4S–.20 25.3W–.20 32 4.2b 9 15-153
IDC VIII 13 03 07 47.7–.92 59.18S 25.34W 0 4.7L,4.3 **¶621011995**
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=23.6km az=37.0.
ISC VIII 13 02 19 28.5–.63 60.3S–.10 26.7W–.10 20 4.4b 29 8-153
IDC VIII 13 02 19 25.8–.76 60.34S 26.81W 0 4.2L,4.2b **¶621011978**
NEIC VIII 13 02 19 26.5–1.9 60.3S–.10 26.5W–.30 10–1 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 46 19.0–.34 59.90S–.06 25.01W–.07 10 5.0b 177 8-154
IDC VIII 13 00 46 17.1–.52 59.77S 24.93W 0 5.2L,4.6b **¶621011951**
NEIC VIII 13 00 46 19.2–1.5 59.91S–.10 25.1W–.20 10–1 5.1b,4.6b
GFZ VIII 13 00 46 20.0–.27 60S–6.0 25W–5.0 10 5.2b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 13 00 02 50.5–1.0 58.5S–.20 25.2W–.30 28 6 16-153
IDC VIII 13 00 02 46.5–1.1 58.34S 25.27W 0 4.2b,4.2 **¶621011929**
ISC Event type se.
IDC Error ellipse: s-maj=53.4km s-min=32.2km az=62.0.
ISC VIII 13 03 21 36.3–.64 59.4S–.10 25.9W–.10 40 4.4b 28 9-153
IDC VIII 13 03 21 31.5–1.0 59.31S 26.16W 0 4.7L,4.1 **¶620987211**
NEIC VIII 13 03 21 36.1–1.5 59.5S–.10 25.9W–.20 35–2 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 00 04 15.6–.29 59.26S–.06 25.14W–.06 10 5.2s,5.0b 205 8-174
IDC VIII 13 00 04 14.3–.39 59.30S 25.53W 0 4.8s,4.7b **¶620984578**
NEIC VIII 13 00 04 15.4–1.2 59.22S–.05 25.2W–.20 10–1 5.0b,4.7b
GFZ VIII 13 00 04 15.8–.42 59S–7.0 25W–8.0 10 5.3b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 13 02 20 55.7–1.5 57.0S–.20 24.6W–.40 10 4.1b 6 17-152
IDC VIII 13 02 20 54.5–1.5 56.97S 24.79W 0 4.6L,4.1b **¶621011979**
ISC Event type se.
IDC Error ellipse: s-maj=69.2km s-min=26.7km az=63.0.
ISC VIII 13 02 23 37.6–.65 57.1S–.10 25.2W–.10 22 4.2b 25 20-152
IDC VIII 13 02 23 33.6–.89 57.03S 24.80W 0 4.0b,4.0 **¶621011980**
NEIC VIII 13 02 23 40.2–.95 57.21S–.06 25.4W–.20 35–2 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 02 24 54.1–.80 58.4S–.10 25.3W–.10 10 4.4b 17 7-152
NEIC VIII 13 02 24 53.9–2.6 58.5S–.10 25.1W–.20 10–2 4.5b **¶621011981**
IDC VIII 13 02 24 54.4–.92 58.12S 25.20W 0 4.1b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=17.7km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=23.6km az=129.0.
ISC VIII 13 03 22 33.7–.88 58.5S–.20 24.9W–.20 28 3.9b 9 16-153
IDC VIII 13 03 22 29.9–1.0 58.42S 24.97W 0 4.6L,4.1 **¶621012000**
ISC Event type se.
IDC Error ellipse: s-maj=38.1km s-min=24.8km az=62.0.
ISC VIII 13 03 26 28.3–.43 57.21S–.08 24.81W–.08 22 4.8b 58 7-154
IDC VIII 13 03 26 25.1–.54 57.17S 24.87W 0 4.5b,4.5 **¶621012002**
NEIC VIII 13 03 26 26.7–1.7 57.3S–.10 24.8W–.20 10–1 5.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 02 26 19.5–.58 59.4S–.10 25.32W–.09 32 4.3b 31 8-154
IDC VIII 13 02 26 15.2–.77 59.35S 25.41W 0 4.8L,4.3 **¶621011982**
NEIC VIII 13 02 26 17.1–1.7 59.2S–.10 25.3W–.10 10–1 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 03 34 56.2–.85 59.5S–.10 25.1W–.20 27 3.9b 9 15-153
IDC VIII 13 03 34 52.3–.90 59.35S 25.23W 0 4.6L,4.1 **¶621012003**
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=23.0km az=87.0.
ISC VIII 13 04 18 20.2–.83 59.9S–.20 25.7W–.20 10 4.0b 10 15-153
IDC VIII 13 04 18 19.3–.89 59.79S 25.79W 0 4.9L,4.3 **¶621012021**
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=21.5km az=54.0.
IDC VIII 13 03 36 51.1–2.0 59.76S 25.36W 0 3.9b,3.9
¶621012004
IDC Error ellipse: s-maj=82.2km s-min=37.6km az=178.0.
ISC VIII 13 02 29 35.1–.41 58.65S–.07 25.28W–.08 38 4.7b 100 10-153
IDC VIII 13 02 29 29.5–.54 58.52S 25.30W 0 4.8L,4.3b **¶620987183**
NEIC VIII 13 02 29 34.7–1.5 58.7S–.10 25.2W–.20 35–2 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 03 38 23.3–.32 58.84S–.06 24.60W–.07 10 5.0b 189 8-163
IDC VIII 13 03 38 22.3–.43 58.70S 24.66W 0 4.9L,4.8b **¶620984718**
NEIC VIII 13 03 38 23.8–2.0 58.80S–.09 24.7W–.20 10–1 5.1b,4.8b
GFZ VIII 13 03 38 23.4–.23 59S–4.0 25W–4.0 10 5.3,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 13 02 31 23.1–.57 58.2S–.10 25.3W–.10 35 4.7s,4.5b 32 15-153
IDC VIII 13 02 31 18.4–.70 57.99S 25.29W 0 4.5s,4.3L **¶621011983**
NEIC VIII 13 02 31 22.8–.55 58.35S–.07 25.2W–.30 35–2 4.6b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 03 43 15.9–.29 58.00S–.04 25.41W–.05 40–2 5.7b,5.1s 761 7-175
GFZ VIII 13 03 43 12.8–.35 58S–4.0 25W–6.0 10 5.7b,5.7 **¶621237476**
MOS VIII 13 03 43 15.9–.90 58.00S 25.44W 47 5.8b,5.7
NEIC VIII 13 03 43 16.0–2.1 58.02S–.10 25.4W–.20 35–1 5.8b,5.3
IDC VIII 13 03 43 16.9–1.1 57.94S 25.30W 47–8 5.6,5.5L
GCMT VIII 13 03 43 19.7–.40 58.18S–.04 24.73W–.05 39–1 5.6W,5.5L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108130343A. Moment Tensor Solution. s39,c45; s79,c95; Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}3.38±.22 $M_{\theta\theta}$-0.44±.13; $M_{\phi\phi}$-2.93±.12; $M_{r\theta}$0.01±.18; $M_{\theta\phi}$0.25±.07; $M_{\phi r}$0.93±.12; Best double couple: NP1:ϕ_s173.00000°,δ37.00000° ,λ88.00000°. NP2:ϕ_s356.00000°,δ53.00000°,λ92.00000°. Principal axes: T 3.5140,Plg82.0000°,Azm274.0000°; N -0.4210,Plg1.0000°,Azm175.0000° ; P -3.0860,Plg8.0000°,Azm85.0000° M_o3.30000×10^{17}

ISC	**VIII**	**13 02 33 40.2–.28**	**57.80S–.06**	**23.82W–.06**	**10**	**5.1b**	**241**	**8-163**
IDC	VIII	13 02 33 38.6–.40	57.70S	23.73W	0	4.8b,4.8		**¶620984713**
NEIC	VIII	13 02 33 40.3–2.1	57.78S–.09	23.8W–.20	10–1	5.2b,4.8		
GFZ	VIII	13 02 33 41.2–.21	58S–4.0	24W–4.0	10	5.1b,5.1		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**13 03 53 20.0–.29**	**57.13S–.06**	**24.81W–.06**	**22**	**4.9b**	**169**	**7-158**
IDC	VIII	13 03 53 16.8–.49	57.07S	24.82W	0	4.7b,4.6		**¶620984721**
GFZ	VIII	13 03 53 18.7–.22	57S–5.0	25W–4.0	10	4.9b,4.9		
NEIC	VIII	13 03 53 22.0–2.2	57.21S–.04	25.0W–.20	35–1	5.1b,4.9		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 05 31 14.3–.56**	**59.56S–.09**	**25.43W–.09**	**32**	**4.6b**	**32**	**10-153**
IDC	VIII	13 05 31 09.3–1.2	59.50S	25.25W	0	4.7L,4.3		**¶621012040**
NEIC	VIII	13 05 31 10.7–.99	59.45S–.09	25.4W–.20	6–4	4.6b,4.3		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 03 56 06.7–.59**	**58.39S–.10**	**25.2W–.10**	**28**	**4.4b**	**29**	**16-152**
IDC	VIII	13 03 56 03.3–.76	58.25S	25.17W	0	4.6L,4.3b		**¶621012006**
NEIC	VIII	13 03 56 07.4–1.8	58.44S–.06	25.1W–.20	35–2	4.5b,4.3b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 04 00 04.4–.80**	**58.2S–.10**	**23.7W–.20**	**10**	**4.0b**	**11**	**16-153**
IDC	VIII	13 04 00 03.1–.78	58.15S	23.78W	0	4.2L,4.1		**¶621012008**

ISC Event type se.

IDC Error ellipse: s-maj=31.5km s-min=20.8km az=68.0.

ISC	**VIII**	**13 04 00 56.5–.62**	**56.7S–.10**	**26.09W–.09**	**33**	**4.9b**	**45**	**6-151**
IDC	VIII	13 04 00 48.5–.93	56.24S	24.41W	0	4.4b,4.4		**¶621012011**
NEIC	VIII	13 04 00 60.0–1.7	56.8S–.10	26.3W–.20	60–9	4.9b,4.4		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**13 04 28 33.5–2.1**	**57.80S**	**23.72W**	**0**	**3.9b,3.9**		
								¶621012022

IDC Error ellipse: s-maj=88.9km s-min=41.9km az=14.0.

ISC	**VIII**	**13 02 33 50.0–.45**	**57.78S–.09**	**23.68W–.08**	**10**	**4.8b**	**55**	**8-160**
IDC	VIII	13 02 33 48.3–.52	57.69S	23.67W	0	4.8L,4.8b		**¶621011984**
NEIC	VIII	13 02 33 50.5–1.2	57.8S–.10	23.7W–.10	10–1	5.1b,4.8b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 02 40 19.1–.58**	**59.86S–.10**	**26.0W–.10**	**16**	**4.4b**	**38**	**9-153**
IDC	VIII	13 02 40 16.9–.65	59.79S	26.07W	0	4.6L,4.3b		**¶621011988**
NEIC	VIII	13 02 40 22.3–1.9	59.89S–.05	26.2W–.20	35–2	4.6b,4.3b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 05 32 24.2–.49**	**58.75S–.08**	**25.13W–.09**	**28**	**4.5b**	**42**	**8-153**
IDC	VIII	13 05 32 20.6–.71	58.58S	25.25W	0	4.3L,4.3b		**¶621012041**
NEIC	VIII	13 05 32 24.8–1.3	58.76S–.10	25.1W–.20	32–5	4.6b,4.3b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 04 42 22.2–.99**	**56.6S–.20**	**25.0W–.20**	**40**	**4.0b**	**8**	**33-151**
IDC	VIII	13 04 42 16.4–.96	56.61S	24.89W	0	4.0b,4.0		**¶621012024**

ISC Event type se.

IDC Error ellipse: s-maj=34.6km s-min=23.3km az=69.0.

ISC	**VIII**	**13 04 44 44.3–.53**	**60.00S–.08**	**26.45W–.09**	**26**	**4.5b**	**52**	**8-153**
NEIC	VIII	13 04 44 47.7–2.2	59.89S–.09	26.6W–.20	44–7	4.6b		**¶621012025**
IDC	VIII	13 04 44 48.1–6.0	60.23S	26.54W	63–53	4.3,4.2L		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.6km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=28.1km s-min=16.8km az=60.0.

ISC	**VIII**	**13 05 37 42.8–.68**	**57.43S–.10**	**25.4W–.10**	**43**	**4.5b**	**31**	**10-152**
IDC	VIII	13 05 37 37.0–.95	57.20S	24.86W	0	4.1b,4.1		**¶621012043**
NEIC	VIII	13 05 37 43.5–1.5	57.5S–.10	25.4W–.20	41–9	4.6b,4.1		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 06 41 44.8–.48**	**58.28S–.06**	**25.15W–.07**	**49–4**	**4.8b**	**222**	**7-153**
IDC	VIII	13 06 41 38.1–.42	58.17S	25.15W	0	4.7b,4.6		**¶620984737**
GFZ	VIII	13 06 41 42.3–.33	58S–5.0	26W–6.0	10	4.9b,4.9		
NEIC	VIII	13 06 41 45.5–1.5	58.3S–.10	25.1W–.20	57–7	4.9b,4.9		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 05 41 22.6–.29**	**59.39S–.06**	**25.19W–.06**	**27**	**5.1s,5.0b**	**196**	**8-173**
IDC	VIII	13 05 41 18.2–.40	59.35S	25.17W	0	4.9L,4.7b		**¶620984732**
GFZ	VIII	13 05 41 20.2–.32	59S–7.0	25W–6.0	10	5.0b,5.0		
NEIC	VIII	13 05 41 23.7–1.0	59.4S–.10	25.2W–.20	37–7	5.0b,5.0		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 05 44 03.3–.47**	**57.25S–.06**	**25.22W–.06**	**33–1**	**5.1b,4.9s**	**310**	**7-176**
IDC	VIII	13 05 43 58.1–.38	57.19S	25.17W	0	5.0L,4.8b		**¶621237480**
GFZ	VIII	13 05 44 01.9–.24	57S–4.0	25W–4.0	18	5.1b,5.1		
NEIC	VIII	13 05 44 03.8–1.5	57.3S–.10	25.4W–.20	35–5	5.1b,5.1		
BJI	VIII	13 05 44 05.0	57.40S	25.40W	40	5.4s,5.2		

ISC Event type se.

IDC Error ellipse: s-maj=17.3km s-min=12.5km az=54.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.9km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 04 03 58.3–.29**	**57.77S–.06**	**23.66W–.07**	**10**	**5.2s,5.0b**	**153**	**8-175**
IDC	VIII	13 04 03 56.9–.35	57.68S	23.65W	0	4.8b,4.7L		**¶620984722**
NEIC	VIII	13 04 03 58.4–1.8	57.73S–.09	23.7W–.20	10–1	5.1b,4.7L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 04 48 01.4–.49**	**55.25S–.09**	**28.65W–.10**	**10**	**4.5b**	**47**	**5-152**
IDC	VIII	13 04 48 00.1–.58	55.24S	28.61W	0	4.7L,4.4		**¶621012026**
NEIC	VIII	13 04 48 01.9–1.4	55.28S–.06	28.7W–.20	10–1	4.5b,4.4		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 04 50 49.3–.60**	**58.6S–.10**	**23.9W–.10**	**10**	**4.5b**	**26**	**16-157**
IDC	VIII	13 04 50 48.1–.89	58.51S	23.93W	0	4.2L,4.2		**¶621012027**
NEIC	VIII	13 04 50 50.1–2.1	58.6S–.20	23.99W–.09	10–1	4.9b,4.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 05 50 03.5–.77**	**59.9S–.10**	**26.6W–.10**	**35**	**4.3b**	**22**	**8-153**
IDC	VIII	13 05 49 56.2–1.2	60.53S	26.70W	0	3.9b,3.9		**¶621012045**
NEIC	VIII	13 05 50 01.5–1.7	59.9S–.20	26.6W–.20	20–6	4.4b,3.9		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 04 52 44.8–.87**	**58.3S–.20**	**25.4W–.20**	**38**	**4.1b**	**8**	**16-152**
IDC	VIII	13 04 52 39.6–.92	58.12S	25.31W	0	4.2b,4.2		**¶626338541**

ISC Event type se.

IDC Error ellipse: s-maj=39.4km s-min=24.1km az=42.0.

ISC	**VIII**	**13 04 53 08.9–.27**	**57.80S–.06**	**23.93W–.06**	**10**	**5.2b,4.8s**	**280**	**8-175**
IDC	VIII	13 04 53 07.6–.38	57.76S	24.04W	0	4.9s,4.8b		**¶621237478**
GFZ	VIII	13 04 53 09.9–.21	58S–4.0	24W–4.0	10	5.3,5.1b		
NEIC	VIII	13 04 53 09.2–2.1	57.86S–.07	23.9W–.10	10–1	5.3b,5.1b		
GCMT	VIII	13 04 53 10.6–.40	58.06S–.05	23.31W–.06	31–0	5.5W,5.1b		
MOS	VIII	13 04 53 12.8–1.6	57.78S	24.32W	42	5.4b,5.1b		

ISC Event type se.

IDC Error ellipse: s-maj=16.2km s-min=11.2km az=36.0.

GFZ Error ellipse: s-maj=8.9km s-min=6.8km az=38.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=16.8km s-min=6.3km az=44.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108130453A. Moment Tensor Solution. s20,c20; s70,c82; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.22±.17 $M_{\theta\theta}$0.76±.09; $M_{\phi\phi}$1.46±.10; $M_{r\theta}$-0.34±.12; $M_{\theta\phi}$-0.39±.04; $M_{\phi r}$-0.06±.10; Best double couple: NP1:ϕ_s342.00000° ,δ44.00000°,λ-80.00000°. NP2:ϕ_s149.00000°,δ47.00000°,λ-99.00000°. Principal axes: T 1.6380,Plg1.0000°,Azm245.0000°; N 0.6250,Plg7.0000°,Azm155.0000° ; P -2.2610,Plg83.0000°,Azm346.0000° M_o1.94900×10^{17}

MOS Error ellipse: s-maj=21.1km s-min=12.6km az=109.6.

ISC	**VIII**	**13 06 48 20.5–2.0**	**58.7S–.60**	**25.0W–.20**	**10**		**6**	**34-153**
IDC	VIII	13 06 48 18.7–2.0	58.71S	25.01W	0	3.8b,3.8		**¶621012064**

ISC Event type se.

IDC Error ellipse: s-maj=81.8km s-min=34.1km az=178.0.

ISC	**VIII**	**13 05 59 31.5–.68**	**57.4S–.10**	**24.3W–.10**	**10**	**4.4b**	**24**	**8-152**
IDC	VIII	13 05 59 30.8–1.1	57.43S	24.40W	0	4.0b,4.0		**¶621012046**
NEIC	VIII	13 05 59 32.0–1.4	57.5S–.10	24.2W–.20	10–1	4.4b,4.0		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 06 49 02.3–.54**	**60.80S–.09**	**25.02W–.09**	**10**	**4.3b**	**35**	**12-154**
IDC	VIII	13 06 49 00.8–.76	60.68S	25.26W	0	4.8L,4.2		**¶620987243**
NEIC	VIII	13 06 49 03.0–1.1	60.8S–.10	25.05W–.09	10–1	4.4b,4.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 04 08 55.6–.60**	**60.41S–.10**	**28.1W–.10**	**10**	**4.2b**	**26**	**8-152**
IDC	VIII	13 04 08 53.8–.67	60.40S	27.75W	0	4.2b,4.2		**¶621012013**
NEIC	VIII	13 04 08 58.1–2.1	60.56S–.06	28.8W–.20	10–2	4.6b,4.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 06 01 55.1–.44**	**58.29S–.08**	**24.91W–.08**	**28**	**4.6b**	**72**	**8-153**
IDC	VIII	13 06 01 51.1–.58	58.15S	24.96W	0	4.4L,4.4b		**¶621012047**
NEIC	VIII	13 06 01 58.7–1.6	58.4S–.10	25.2W–.20	57–7	4.7b,4.4b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 06 53 27.9–.47**	**58.45S–.08**	**23.69W–.09**	**10**	**4.5b**	**44**	**8-153**
IDC	VIII	13 06 53 26.5–.58	58.33S	23.85W	0	4.7L,4.3		**¶620987232**
NEIC	VIII	13 06 53 28.6–1.4	58.47S–.07	23.8W–.20	10–1	4.6b,4.3		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**13 06 04 41.6–2.1**	**57.14S**	**24.91W**	**0**	**4.0b,4.0**		
								¶621012048

IDC Error ellipse: s-maj=92.6km s-min=44.5km az=10.0.

ISC	**VIII**	**13 06 06 16.2–.56**	**60.74S–.09**	**25.80W–.09**	**10**	**4.5b**	**38**	**12-154**
IDC	VIII	13 06 06 15.3–.72	60.69S	26.02W	0	4.8L,4.4		**¶621012049**
NEIC	VIII	13 06 06 16.6–1.7	60.7S–.10	25.9W–.20	10–1	4.6b,4.4		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 06 09 53.4–.54**	**55.73S–.09**	**26.16W–.08**	**32**	**4.7b**	**41**	**6-150**
IDC	VIII	13 06 09 49.7–.82	55.64S	25.94W	0	4.4b,4.4		**¶621012050**
NEIC	VIII	13 06 09 50.5–2.4	55.73S–.06	26.1W–.20	10–1	4.7b,4.4		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 07 01 42.8–.69**	**60.27S–.10**	**26.6W–.10**	**10**	**4.3b**	**29**	**15-150**
NEIC	VIII	13 07 01 40.9–1.7	60.2S–.10	26.1W–.20	10–1	4.4b		**¶621012067**
IDC	VIII	13 07 01 42.3–.94	60.37S	26.72W	0	4.2L,4.2		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=22.0km s-min=18.0km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=33.2km s-min=20.0km az=66.0.

ISC	**VIII**	**13 04 55 10.3–.80**	**59.8S–.10**	**26.0W–.10**	**16**	**4.4b**	**15**	**9-153**
IDC	VIII	13 04 55 09.6–1.1	59.71S	26.40W	0	4.9L,4.5		**¶621012030**
NEIC	VIII	13 04 55 09.2–1.6	59.7S–.20	25.91W–.08	10–2	4.5b,4.5		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 06 14 11.3–.29**	**59.48S–.06**	**24.41W–.06**	**10**	**5.5b,4.7s**	**357**	**8-157**
IDC	VIII	13 06 14 10.2–.40	59.40S	24.42W	0	5.0b,5.0		**¶621237481**
GFZ	VIII	13 06 14 11.7–.26	60S–4.0	24W–4.0	10	5.7,5.6b		
NEIC	VIII	13 06 14 11.6–1.1	59.48S–.09	24.41W–.09	10–1	5.6b,5.6b		
GCMT	VIII	13 06 14 16.9–.20	59.65S–.01	23.59W–.02	18–1	5.4W,5.6b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108130614A. Moment Tensor Solution. s56,c75; s128,c231; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32±.04 $M_{\theta\theta}$-1.13±.03; $M_{\phi\phi}$1.45±.04; $M_{r\theta}$-0.19±.07; $M_{\theta\phi}$0.70±.03; $M_{\phi r}$0.69±.09; Best double couple: NP1:ϕ_s60.00000°,δ64.00000° ,λ-2.00000°. NP2:ϕ_s151.00000°,δ88.00000°,λ-154.00000°. Principal axes: T 1.8130,Plg17.0000°,Azm282.0000°; N -0.3780,Plg64.0000°,Azm155.0000° ; P -1.4350,Plg20.0000°,Azm18.0000° M_o1.62400×10^{17}

ISC	**VIII**	**13 05 04 35.7–.53**	**60.07S–.08**	**26.97W–.09**	**34**	**4.6b**	**66**	**8-153**
IDC	VIII	13 05 04 30.1–.77	60.06S	26.96W	0	4.3b,4.3		**¶621012032**
NEIC	VIII	13 05 04 39.4–1.4	60.1S–.10	27.3W–.20	56–9	4.6b,4.3		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 05 04 56.8–.47**	**60.16S–.08**	**26.81W–.09**	**34**	**4.8b**	**81**	**9-153**
IDC	VIII	13 05 04 51.9–.57	60.07S	26.92W	0	4.7L,4.5b		**¶621012035**
NEIC	VIII	13 05 04 59.8–1.0	60.2S–.10	27.0W–.20	54–8	4.8b,4.5b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 04 11 41.5–1.0**	**56.2S–.20**	**25.1W–.20**	**30**	**4.2b**	**8**	**21-151**
IDC	VIII	13 04 11 36.8–1.1	56.15S	25.00W	0	4.2b,4.2		**¶621012014**

ISC Event type se.

IDC Error ellipse: s-maj=30.5km s-min=25.1km az=121.0.

ISC	**VIII**	**13 04 14 20.1–.00**	**57.3S–.20**	**24.9W–.30**	**15**	**3.9b**	**7**	**33-152**

IDC VIII 13 04 14 18.0–1.1 57.26S 24.98W 0 4.0b,4.0 **¶621012016**
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=25.2km az=70.0.
ISC VIII 13 06 18 03.5–.57 57.57S–.10 23.59W–.10 10 4.3b 30 17-153
NEIC VIII 13 06 18 03.3–2.1 57.70S–.09 23.5W–.20 10–1 4.4b **¶621012052**
IDC VIII 13 06 18 03.0–.91 57.56S 23.54W 0 4.3b,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=6.7km az=130.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.3km s-min=32.2km az=98.0.
ISC VIII 13 04 14 50.6–.84 57.5S–.10 24.9W–.20 15 3.9b 12 20-152
IDC VIII 13 04 14 48.3–.85 57.48S 24.86W 0 4.2L,4.1b **¶621012019**
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=18.3km az=58.0.
ISC VIII 13 04 17 20.4–.75 60.0S–.10 25.2W–.20 10 4.1b 14 15-153
IDC VIII 13 04 17 19.1–.78 59.88S 25.30W 0 4.3L,4.2 **¶621012020**
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=18.3km az=61.0.
ISC VIII 13 05 07 11.2–.61 57.35S–.09 25.19W–.09 15 4.5b 36 7-152
IDC VIII 13 05 07 08.4–1.0 57.12S 24.77W 0 4.3b,4.3 **¶621012036**
NEIC VIII 13 05 07 14.7–2.0 57.4S–.10 25.4W–.20 39–9 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 07 04 34.8–.34 58.73S–.06 24.74W–.07 10 5.0b,4.9s 200 8-153
IDC VIII 13 07 04 33.4–.46 58.66S 24.77W 0 4.9L,4.8s **¶620984739**
NEIC VIII 13 07 04 36.0–1.4 58.78S–.08 24.8W–.20 15–3 5.1b,4.8s
GFZ VIII 13 07 04 37.1–.24 59S–5.0 25W–5.0 10 5.2,5.0b
GCMT VIII 13 07 04 42.3–.20 58.91S–.02 24.05W–.02 20–0 5.4W,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108130704A. Moment Tensor Solution. s65,c98; s126,c217; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.05 $M_{\theta\theta}$0.15±.03; $M_{\phi\phi}$-1.25±.03; $M_{r\theta}$-0.34±.07; $M_{\theta\phi}$0.03±.02; $M_{\phi r}$0.67±.05; Best double couple: NP1:ϕ_s194.00000°,δ32.00000°,λ116.00000°. NP2:ϕ_s344.00000°,δ62.00000°,λ75.00000°. Principal axes: T 1.3640,Plg69.0000°,Azm222.0000°; N 0.0710,Plg13.0000°,Azm352.0000°; P -1.4340,Plg15.0000°,Azm86.0000° M_o1.39900×10^{17}
ISC VIII 13 06 20 14.3–3.1 60.2S–.70 26.8W–.20 10 4.1b 6 40-153
IDC VIII 13 06 20 12.6–3.1 60.26S 26.75W 0 4.0b,4.0 **¶621012053**
ISC Event type se.
IDC Error ellipse: s-maj=107.6km s-min=28.1km az=9.0.
ISC VIII 13 06 24 51.4–.74 59.8S–.10 26.4W–.10 35 4.4b 29 8-153
NEIC VIII 13 06 24 50.1–2.1 59.9S–.20 26.2W–.10 35–2 4.4b **¶621012054**
IDC VIII 13 06 24 56.8–.95 58.00S 26.11W 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=9.9km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.4km s-min=31.9km az=78.0.
ISC VIII 13 06 25 25.6–.68 56.85S–.10 25.4W–.10 35 4.7b 28 7-151
IDC VIII 13 06 25 20.1–2.5 56.65S 24.99W 0 4.7b,4.7 **¶621012057**
NEIC VIII 13 06 25 26.2–1.6 56.92S–.10 25.6W–.20 35–2 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 05 13 56.2–.61 60.4S–.10 26.58W–.10 20 4.2b 24 15-150
IDC VIII 13 05 13 53.8–1.1 60.31S 27.09W 0 4.0b,4.0 **¶621012037**
NEIC VIII 13 05 13 55.1–1.8 60.4S–.10 26.5W–.20 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 06 29 10.8–.60 58.44S–.09 25.2W–.10 35 4.2b 27 8-152
IDC VIII 13 06 29 06.0–.94 58.35S 25.04W 0 4.7L,4.0 **¶621012059**
NEIC VIII 13 06 29 13.1–1.6 58.47S–.07 25.3W–.20 53–9 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 05 17 33.7–.53 57.60S–.09 24.78W–.10 15 4.3b 32 7-152
IDC VIII 13 05 17 32.0–.97 57.52S 24.86W 0 4.1L,4.0b **¶621012038**
NEIC VIII 13 05 17 37.7–2.2 57.7S–.10 24.9W–.20 45–7 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 07 08 37.6–.34 57.72S–.06 23.93W–.07 10 5.2s,5.0b 134 8-153
IDC VIII 13 07 08 36.0–.48 57.61S 23.87W 0 4.6b,4.6 **¶620984740**
NEIC VIII 13 07 08 37.4–1.8 57.7S–.10 24.0W–.20 10–1 5.2b,4.6
BJI VIII 13 07 08 38.0 57.80S 24.00W 10 5.5s,5.2
GFZ VIII 13 07 08 38.8–.22 58S–4.0 24W–4.0 10 5.0b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 13 07 46 38.9–.48 58.38S–.09 25.21W–.08 28 4.6b 50 7-152
IDC VIII 13 07 46 34.8–.67 58.26S 25.22W 0 4.3b,4.3 **¶621012082**
NEIC VIII 13 07 46 38.8–1.9 58.39S–.10 25.2W–.10 25–5 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 06 29 38.5–.56 58.63S–.10 25.2W–.10 28 4.5b 37 20-153
IDC VIII 13 06 29 34.3–.80 58.52S 25.09W 0 4.2b,4.2 **¶621012062**
NEIC VIII 13 06 29 39.9–.87 58.69S–.04 25.2W–.30 35–2 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 06 34 34.6–.35 58.19S–.07 23.95W–.07 10 4.9b 80 8-153
IDC VIII 13 06 34 33.5–.46 58.07S 23.96W 0 4.8L,4.5b **¶620987174**
NEIC VIII 13 06 34 34.5–1.4 58.25S–.10 23.87W–.09 10–1 5.0b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 07 51 14.2–.69 56.9S–.10 25.6W–.10 35 4.4b 18 11-151
IDC VIII 13 07 51 08.1–3.5 56.53S 24.63W 0 3.9b,3.9 **¶621012083**
NEIC VIII 13 07 51 16.9–1.6 57.0S–.10 25.7W–.20 53–11 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 05 21 48.3–.50 58.85S–.09 23.97W–.09 10 4.5b 37 15-153
IDC VIII 13 05 21 46.8–.68 58.75S 24.01W 0 4.8L,4.4 **¶621012039**
NEIC VIII 13 05 21 48.9–1.8 58.9S–.10 24.0W–.20 10–1 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 05 24 01.3–.36 59.76S–.07 26.14W–.07 35 4.9b 147 8-153
IDC VIII 13 05 23 56.3–.45 59.75S 26.43W 0 5.5L,4.6b **¶620984729**
NEIC VIII 13 05 24 03.3–1.1 59.8S–.10 26.4W–.20 44–8 4.9b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 06 36 52.3–.67 60.4S–.10 26.7W–.10 20 4.5b 23 18-153
IDC VIII 13 06 36 49.3–3.6 60.55S 26.77W 0 4.2b,4.2 **¶621012063**
NEIC VIII 13 06 36 50.8–1.2 60.4S–.10 26.5W–.30 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 09 15 54.1–.49 58.16S–.09 23.7W–.10 16 4.2b 47 8-153
IDC VIII 13 09 15 52.0–.58 58.11S 23.98W 0 4.8L,4.2b **¶621012104**
NEIC VIII 13 09 15 53.5–2.1 58.2S–.10 23.4W–.20 10–1 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 05 24 59.7–.22 57.80S–.05 24.91W–.05 40 5.3b,5.2s 486 7-175
IDC VIII 13 05 24 53.6–.33 57.66S 24.90W 0 5.1L,5.1s **¶621237479**
BJI VIII 13 05 24 55.5 57.89S 24.58W 20 5.5s,5.3
NEIC VIII 13 05 24 57.2–1.2 57.83S–.09 24.9W–.20 21–5 5.5,5.5b
MOS VIII 13 05 24 58.2–1.0 57.80S 24.97W 36 5.7b,5.5b
GFZ VIII 13 05 24 58.2–.26 58S–3.0 25W–3.0 18–1 5.4,5.4b
GCMT VIII 13 05 25 01.9–.20 57.83S–.02 24.33W–.03 22–1 5.5W,5.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108130524B. Moment Tensor Solution. s43,c57; s125,c196; Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.82±.12 $M_{\theta\theta}$0.06±.06; $M_{\phi\phi}$-1.88±.07; $M_{r\theta}$-1.08±.14; $M_{\theta\phi}$0.72±.04; $M_{\phi r}$0.81±.11; Best double couple: NP1:ϕ_s181.00000°,δ34.00000°,λ124.00000°. NP2:ϕ_s323.00000°,δ63.00000°,λ70.00000°. Principal axes: T 2.3790,Plg66.0000°,Azm195.0000°; N 0.0430,Plg18.0000°,Azm332.0000°; P -2.4260,Plg15.0000°,Azm67.0000° M_o2.40200×10^{17}
ISC VIII 13 07 11 21.5–.54 56.47S–.09 25.39W–.08 29 4.8b 40 7-151
NEIC VIII 13 07 11 18.6–2.6 56.46S–.10 25.4W–.10 10–1 4.9b **¶621012069**
IDC VIII 13 07 11 18.6–.88 56.47S 25.61W 0 4.4b,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=10.8km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.7km s-min=20.6km az=70.0.
ISC VIII 13 07 13 56.3–.38 58.71S–.06 25.26W–.08 38 4.8b 109 10-153
IDC VIII 13 07 13 50.9–.54 58.62S 25.36W 0 4.9L,4.5b **¶620987219**
NEIC VIII 13 07 13 56.4–1.1 58.7S–.10 25.3W–.20 35–8 5.0b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 07 53 13.6–.66 57.62S–.10 24.8W–.10 15 4.4b 28 7-152
IDC VIII 13 07 53 11.3–.92 57.74S 24.86W 0 4.1b,4.1 **¶621012084**
NEIC VIII 13 07 53 13.0–1.5 57.59S–.05 24.7W–.20 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 07 54 40.0–.60 60.50S–.09 26.86W–.10 19 4.5b 29 13-153
IDC VIII 13 07 54 38.2–1.2 60.35S 27.04W 0 4.3b,4.3 **¶620987178**
NEIC VIII 13 07 54 39.1–1.3 60.5S–.10 27.0W–.20 10–2 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 07 56 18.9–.46 56.97S–.08 25.01W–.08 22 4.5b 50 7-152
IDC VIII 13 07 56 15.6–.58 56.92S 25.00W 0 4.6b,4.6 **¶621012085**
NEIC VIII 13 07 56 17.3–1.7 57.0S–.10 25.0W–.20 10–1 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 08 02 25.2–.74 57.0S–.10 25.0W–.10 22 4.2b 22 7-152
IDC VIII 13 08 02 22.1–.94 56.82S 24.79W 0 4.0b,4.0 **¶621012086**
NEIC VIII 13 08 02 23.7–1.2 56.9S–.10 25.1W–.20 10–2 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 09 20 49.6–1.4 57.30S 25.29W 0 3.9b,3.9
¶621012105
IDC Error ellipse: s-maj=56.7km s-min=36.2km az=81.0.
ISC VIII 13 09 22 24.1–.56 59.48S–.09 25.03W–.10 27 4.6b 46 8-152
IDC VIII 13 09 22 20.2–.79 59.37S 25.10W 0 4.6L,4.5b **¶620987176**
NEIC VIII 13 09 22 22.0–2.8 59.6S–.10 24.8W–.10 10–1 4.5b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 07 18 27.5–.92 59.5S–.20 25.4W–.20 32 3.7b 10 13-153
IDC VIII 13 07 18 23.2–1.0 59.27S 25.53W 0 4.7L,4.1 **¶621012071**
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=24.6km az=52.0.
ISC VIII 13 09 31 46.0–.74 60.0S–.10 25.4W–.10 10 4.1b 28 15-153
IDC VIII 13 09 31 45.8–1.2 59.96S 25.73W 0 4.4L,4.2 **¶621012109**
NEIC VIII 13 09 31 46.5–.72 59.8S–.20 25.5W–.10 10–1 4.1b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 07 22 56.6–1.3 60.4S–.20 23.8W–.50 10 7 12-154
IDC VIII 13 07 22 54.5–1.3 60.23S 25.11W 0 4.1b,4.1 **¶620987245**
ISC Event type se.
IDC Error ellipse: s-maj=106.6km s-min=35.0km az=99.0.
ISC VIII 13 08 13 59.6–.82 58.4S–.10 24.8W–.10 28 4.0b 23 10-153
NEIC VIII 13 08 13 54.4–.75 58.13S–.07 24.2W–.20 10–2 4.2b **¶621012088**
IDC VIII 13 08 13 55.9–.96 58.32S 25.08W 0 4.9L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=9.4km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.4km s-min=22.1km az=65.0.
ISC VIII 13 10 34 28.5–.19 60.49S–.04 27.47W–.04 10 6.0s,5.4b 679 8-178
IDC VIII 13 10 34 26.2–.36 60.48S 27.68W 0 5.9s,5.3L **¶621237485**
NEIC VIII 13 10 34 28.3–.81 60.54S–.08 27.3W–.20 10–1 6.0,6.0
NEIC VIII 13 10 34 28.6 60.49S 27.25W 10 6.0,6.0
NEIC VIII 13 10 34 28.3 60.54S 27.25W 10 6.0,6.0
IPGP VIII 13 10 34 29.0 60.49S 27.18W 6 6.2W,6.0
GFZ VIII 13 10 34 30.2–.13 61S–3.0 27W–2.0 10 5.7,5.4b
PTWC VIII 13 10 34 30 60.30S 27.00W 21 5.9,5.4b
GFZ VIII 13 10 34 30.2 60.56S 27.20W 15 6.1W,5.4b
MOS VIII 13 10 34 31.5–1.3 60.46S 27.40W 33 5.9s,5.7b
GCMT VIII 13 10 34 33.9–.10 60.71S 26.93W 12 6.1W,5.7b
NEIC VIII 13 10 34 34.5 60.59S 26.64W 16 6.1,5.7b
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=12.2km az=62.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.8km az=227.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.40 $M_{\theta\theta}$0.35 $M_{\phi\phi}$0.04 $M_{r\theta}$0.23 $M_{\theta\phi}$-1.23 $M_{\phi r}$0.05 NP1:ϕ_s175.68000°,δ76.10000°,λ-7.88000°. NP2:ϕ_s267.58000°,δ82.35000°,λ-165.98000°. Principal axes: T 1.4472,Plg4.0000°,Azm41.0000°; N -0.3539,Plg74.0000°,Azm296.0000°; P -1.0933,Plg15.0000°,Azm132.0000° M_o1.31000×10^{18}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s274.00000°,δ76.00000°,λ-166.00000°. NP2:ϕ_s181.00000°,δ77.00000°,λ-14.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PTWC SOUTH SANDWICH ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$0.23 $M_{r\theta}$-0.03 $M_{\theta\phi}$-1.63 $M_{\phi r}$-0.58 NP1: ϕ_s93.11866°,δ70.26730°,λ-178.03213°. NP2:ϕ_s2.45401°,δ88.14773°,λ-19.74345°. Principal axes: T 1.7921,Plg12.4676°,Azm49.4842°; N -0.1079,Plg70.1733°,Azm177.3079°; P -1.6842,Plg15.1649°,Azm316.0486° M_o1.74067×10^{18}
MOS Error ellipse: s-maj=20.5km s-min=10.1km az=104.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108131034A. Moment Tensor Solution. s165,c352; s169,c461;Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13±.01 $M_{\theta\theta}$-0.11±.01; $M_{\phi\phi}$0.24±.01; $M_{r\theta}$0.16±.03; $M_{\theta\phi}$-1.69±.01; $M_{\phi r}$0.15±.02; Best double couple:

NP1:ϕ_s273.00000°,δ84.00000°,λ-174.00000°. NP2:ϕ_s183.00000°,δ84.00000°,λ-6.00000°. Principal axes: T 1.7650,Plg0.0000°,Azm228.0000°; N -0.0990,Plg82.0000°,Azm318.0000° ; P -1.6660,Plg8.0000°,Azm138.0000° $M_0$1.71500×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 6s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.65 $M_{\theta\theta}$0.12 $M_{\phi\phi}$0.53 $M_{r\theta}$0.41 $M_{\theta\phi}$-1.39 $M_{\phi r}$0.14 NP1:ϕ_s180.29000°,δ65.37000° ,λ-20.49000°. NP2:ϕ_s279.15000°,δ71.44000°,λ-153.92000°. Principal axes: T 1.7376,Plg4.0000°,Azm49.0000°; N -0.4125,Plg58.0000°,Azm312.0000° ; P -1.3251,Plg31.0000°,Azm141.0000° $M_0$1.57000×10^{18}

ISC VIII 13 09 32 43.2–.58 58.86S–.09 23.87W–.09 10 4.2b 35 14-153
IDC VIII 13 09 32 42.5–.99 58.76S 23.98W 0 5.1L,4.1 **¶620985612**
NEIC VIII 13 09 32 43.5–1.6 58.9S–.10 23.88W–.09 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 07 23 40.3–.57 58.14S–.10 23.7W–.10 16 4.3b 27 16-153
IDC VIII 13 07 23 38.4–.85 58.11S 23.76W 0 4.2b,4.2 **¶621012073**
NEIC VIII 13 07 23 39.6–1.2 58.1S–.10 23.7W–.20 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 07 25 15.7–.89 56.9S–.20 25.1W–.20 22 4.0b 10 33-152
IDC VIII 13 07 25 12.4–.95 56.88S 25.03W 0 4.1b,4.1 **¶621012074**
ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=21.6km az=58.0.

ISC VIII 13 08 19 32.4–.47 58.19S–.09 23.85W–.09 10 4.6b 47 16-153
IDC VIII 13 08 19 31.3–.57 58.08S 23.95W 0 4.5L,4.4b **¶621012089**
NEIC VIII 13 08 19 32.3–.69 58.2S–.10 23.8W–.20 10–1 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 09 49 10.8–.48 59.60S–.08 26.21W–.08 35 4.5b 66 8-153
IDC VIII 13 09 49 05.7–.58 59.51S 26.38W 0 4.5L,4.3b **¶620987172**
NEIC VIII 13 09 49 11.3–1.2 59.6S–.10 26.2W–.20 35–2 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 09 49 14.7–.52 56.58S–.08 25.99W–.09 35 4.8b 75 6-148
IDC VIII 13 09 49 08.7–1.3 56.51S 25.60W 0 4.3b,4.3 **¶621012112**
NEIC VIII 13 09 49 15.0–1.0 56.7S–.10 26.07W–.07 35–1 4.9b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 10 05 53.9–2.0 58.6S–.30 24.7W–.30 10 4.0b 6 19-153
IDC VIII 13 10 05 52.7–2.1 58.58S 24.71W 0 4.0,3.9L **¶621012115**
ISC Event type se.
IDC Error ellipse: s-maj=57.8km s-min=33.2km az=148.0.

ISC VIII 13 08 24 58.0–.30 58.26S–.06 24.99W–.06 28 4.9b 237 8-154
IDC VIII 13 08 24 53.9–.42 58.12S 25.02W 0 4.8L,4.7 **¶620984742**
GFZ VIII 13 08 24 56.0–.26 58S–6.0 25W–4.0 10 4.9b,4.9
NEIC VIII 13 08 25 00.8–1.6 58.3S–.10 25.0W–.20 53–8 5.1b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 10 08 54.5–.59 57.4S–.10 23.9W–.10 10 4.3b 29 17-152
IDC VIII 13 10 08 52.2–.83 57.48S 23.89W 0 4.1b,4.1 **¶621012116**
NEIC VIII 13 10 08 55.0–2.0 57.4S–.10 23.9W–.10 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 10 09 53.7–.62 60.5S–.10 26.2W–.10 10 4.2b 31 30-153
NEIC VIII 13 10 09 53.6–1.2 60.6S–.10 26.2W–.30 10–1 4.2b **¶621012117**
IDC VIII 13 10 09 53.5–1.4 60.54S 26.49W 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=20.7km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.4km s-min=35.5km az=84.0.

ISC VIII 13 08 27 11.1–.58 58.52S–.09 24.97W–.09 28 4.5b 27 8-153
IDC VIII 13 08 27 08.1–1.1 58.36S 24.89W 0 4.3b,4.3 **¶621012091**
NEIC VIII 13 08 27 13.1–.99 58.6S–.20 25.0W–.20 47–11 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 10 36 30.2–.43 58.45S–.10 25.1W–.10 28 5.2b 79 16-154
IDC VIII 13 10 36 26.4–.61 58.42S 25.13W 0 5.4L,4.9b **¶621012123**
NEIC VIII 13 10 36 34.1–2.3 58.4S–.10 25.1W–.20 55–6 5.3b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 07 38 34.4–.50 60.40S–.08 27.06W–.08 10 4.3b 38 9-153
IDC VIII 13 07 38 33.2–.66 60.36S 27.41W 0 4.2b,4.2 **¶621237482**
NEIC VIII 13 07 38 34.9–1.2 60.40S–.08 27.1W–.20 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 10 11 18.3–.32 57.81S–.06 23.87W–.07 10 5.3s,5.0b 155 8-160
IDC VIII 13 10 11 16.6–.46 57.65S 24.24W 0 4.6L,4.6b **¶620987203**
NEIC VIII 13 10 11 18.7–.71 57.80S–.09 23.9W–.10 10–1 5.1b,4.6b
GCMT VIII 13 10 11 23.0–.40 58.03S–.05 23.44W–.04 14–1 5.0W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131011A. Moment Tensor Solution. s18,c18; s63,c85; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.33±.45 $M_{\theta\theta}$0.34±.28; $M_{\phi\phi}$4.00±.28; $M_{r\theta}$-1.61±.69; $M_{\theta\phi}$-0.49±.16; $M_{\phi r}$0.92±.52; Best double couple: NP1:ϕ_s7.00000°,δ39.00000° ,λ-65.00000°. NP2:ϕ_s156.00000°,δ55.00000°,λ-109.00000°. Principal axes: T 4.2240,Plg8.0000°,Azm259.0000°; N 0.6760,Plg15.0000°,Azm167.0000° ; P -4.8920,Plg73.0000°,Azm16.0000° $M_0$4.55800×10^{16}

ISC VIII 13 07 43 27.5–.64 55.5S–.10 27.32W–.09 10 4.4b 29 5-151
IDC VIII 13 07 43 25.3–.88 55.39S 27.36W 0 4.0b,4.0 **¶621012078**
NEIC VIII 13 07 43 31.8–1.5 55.5S–.10 27.4W–.20 37–10 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 10 15 07.7–.61 57.2S–.10 25.19W–.10 22 4.5b 34 7-152
IDC VIII 13 10 15 03.7–1.0 57.05S 24.69W 0 4.1b,4.1 **¶621012118**
NEIC VIII 13 10 15 10.8–1.4 57.28S–.04 25.5W–.20 35–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 07 46 15.4–.69 58.6S–.10 25.0W–.10 28 4.0b 27 8-153
IDC VIII 13 07 46 11.2–1.1 58.63S 24.82W 0 3.9b,3.9 **¶621012079**
NEIC VIII 13 07 46 16.6–1.8 58.58S–.04 24.9W–.20 35–2 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 08 30 27.1–.43 57.81S–.07 23.94W–.08 10 4.5b 57 8-153
IDC VIII 13 08 30 25.6–.53 57.64S 23.95W 0 4.8L,4.4b **¶621012093**
NEIC VIII 13 08 30 27.5–1.6 57.9S–.10 23.9W–.20 10–1 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 10 42 41.0–.43 58.70S–.08 24.89W–.09 28 4.7b 74 14-153
IDC VIII 13 10 42 37.2–.59 58.67S 24.84W 0 5.0L,4.4b **¶621012125**
NEIC VIII 13 10 42 38.8–1.7 58.65S–.07 24.9W–.20 10–1 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VIII 13 10 17 48.4–3.4 57.81S 24.75W 0 3.8b,3.8 ¶621012119
IDC Error ellipse: s-maj=152.4km s-min=27.1km az=66.0.

ISC VIII 13 10 20 58.3–.93 57.5S–.20 25.5W–.30 10 3.9b 8 17-152
IDC VIII 13 10 20 56.4–1.0 57.39S 25.32W 0 4.3L,3.9 **¶621012120**
ISC Event type se.
IDC Error ellipse: s-maj=43.7km s-min=21.9km az=69.0.

IDC VIII 13 10 46 06.3–1.4 58.27S 25.43W 0 4.5L,4.1 ¶621012126
IDC Error ellipse: s-maj=47.1km s-min=34.6km az=35.0.

IDC VIII 13 10 25 34.2–2.1 57.15S 25.34W 0 4.0b,4.0 ¶621012121
IDC Error ellipse: s-maj=97.8km s-min=39.3km az=168.0.

ISC VIII 13 12 37 26.0–.95 57.2S–.20 25.3W–.30 35 4.2b 8 17-152
IDC VIII 13 12 37 21.1–.90 57.13S 25.38W 0 4.3L,4.1b **¶621012149**
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=21.2km az=72.0.

IDC VIII 13 10 48 18.3–4.0 59.97S 25.80W 0 3.9b,3.9 ¶621012127
IDC Error ellipse: s-maj=138.3km s-min=42.8km az=170.0.

ISC VIII 13 11 45 38.6–.50 57.24S–.05 25.56W–.05 39–5 5.5b,5.5s 690 7-175
NEIC VIII 13 11 45 35.7–1.4 57.27S–.09 25.5W–.10 19–1 5.7,5.5b **¶621237486**
GFZ VIII 13 11 45 35.7–.36 57S–4.0 26W–6.0 10 5.6,5.5b
GFZ VIII 13 11 45 35.2 57.24S 25.62W 25 5.8W,5.5b
NEIC VIII 13 11 45 36.1 57.25S 25.56W 21 5.8W,5.5b
NEIC VIII 13 11 45 36.7 57.26S 25.56W 25 5.8W,5.5b
MOS VIII 13 11 45 37.1–.93 57.25S 25.70W 37 5.6b,5.2s
IDC VIII 13 11 45 38.3–1.6 57.22S 25.49W 35–11 5.5L,5.4s
NEIC VIII 13 11 45 39 57.06S 25.19W 30 5.7,5.4s
BJI VIII 13 11 45 39.0 57.30S 25.50W 40 5.7s,5.6
GCMT VIII 13 11 45 41.2–.10 57.32S–.01 25.02W–.01 33–0 5.8W,5.6
PTWC VIII 13 11 45 43 57.30S 25.80W 80 5.9,5.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.7km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.87 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-3.80 $M_{r\theta}$0.51 $M_{\theta\phi}$2.09 $M_{\phi r}$1.46 NP1:ϕ_s351.71000°,δ54.58000°,λ110.46000°. NP2:ϕ_s138.94000°,δ40.22000° ,λ63.82000°. Principal axes: T 4.3362,Plg72.0000°,Azm314.0000°; N 0.5466,Plg17.0000° ,Azm160.0000°; P -4.8828,Plg7.0000°,Azm67.0000° $M_0$4.63000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.91 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-3.94 $M_{r\theta}$-1.31 $M_{\theta\phi}$1.45 $M_{\phi r}$4.05 NP1: ϕ_s161.82973°,δ22.18701°,λ89.81666°. NP2:ϕ_s342.02773°,δ67.81311°,λ90.07477°. Principal axes: T 5.6998,Plg67.1868°,Azm252.1641°; N 0.5002,Plg0.0692°,Azm161.9995° ; P -6.2000,Plg22.8131°,Azm71.9704° $M_0$5.96562×10^{17}
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=18.7km s-min=11.7km az=112.1.
IDC Error ellipse: s-maj=12.2km s-min=10.8km az=19.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}4.53 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$-3.20 $M_{r\theta}$-0.30 $M_{\theta\phi}$1.48 $M_{\phi r}$1.53 NP1:ϕ_s146.54000°,δ35.61000° ,λ81.81000°. NP2:ϕ_s336.58000°,δ54.81000°,λ95.83000°. Principal axes: T 4.8195,Plg79.0000°,Azm269.0000°; N -0.5577,Plg5.0000°,Azm153.0000° ; P -4.2618,Plg10.0000°,Azm62.0000° $M_0$4.57000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131145A. Moment Tensor Solution. s133,c241; s152,c297;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.59±.10 $M_{\theta\theta}$-0.35±.06; $M_{\phi\phi}$-5.24±.06; $M_{r\theta}$-0.30±.10; $M_{\theta\phi}$1.30±.04; $M_{\phi r}$2.50±.09; Best double couple: NP1: ϕ_s163.00000°,δ33.00000°,λ85.00000°. NP2:ϕ_s349.00000°,δ57.00000°,λ93.00000°. Principal axes: T 6.1390,Plg78.0000°,Azm269.0000°; N -0.0400,Plg3.0000°,Azm167.0000° ; P -6.0990,Plg12.0000°,Azm77.0000° $M_0$6.11900×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.

ISC VIII 13 08 33 13.8–.30 59.33S–.06 24.86W–.07 10 5.2b,4.8s 188 8-162
IDC VIII 13 08 33 12.1–.42 59.31S 24.73W 0 5.2L,4.9b **¶620984743**
BJI VIII 13 08 33 13.5 59.30S 24.80W 10 5.4s,5.1
NEIC VIII 13 08 33 13.9–1.1 59.3S–.10 24.8W–.20 10–1 5.2b,5.1
GFZ VIII 13 08 33 14.8–.18 59S–5.0 25W–4.0 10 5.4,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

ISC VIII 13 12 39 16.0–.36 58.89S–.07 25.12W–.08 18 4.6b 96 14-162
IDC VIII 13 12 39 13.5–.46 58.78S 25.01W 0 4.4b,4.4 **¶620987205**
NEIC VIII 13 12 39 18.6–1.2 58.91S–.02 25.2W–.20 35–2 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 12 49 35.7–1.0 56.9S–.20 26.0W–.20 61 3.7b 7 33-151
IDC VIII 13 12 49 27.7–1.0 56.88S 25.84W 0 3.9b,3.9 **¶621012150**
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=24.4km az=72.0.

ISC VIII 13 08 37 12.3–.65 56.98S–.10 25.1W–.10 22 4.5b 31 7-152
IDC VIII 13 08 37 09.3–.84 56.93S 25.06W 0 4.4b,4.4 **¶621012094**
NEIC VIII 13 08 37 10.8–1.1 57.0S–.10 25.0W–.20 10–2 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 10 52 47.0–.55 57.1S–.10 24.82W–.10 10 4.5b 38 11-152
IDC VIII 13 10 52 45.9–.69 57.08S 24.83W 0 4.4b,4.4 **¶621012129**
NEIC VIII 13 10 52 47.3–1.6 57.1S–.10 24.89W–.10 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 13 12 50 10.6–.98 58.5S–.20 25.1W–.20 28 4.5b 7 16-153
IDC VIII 13 12 50 07.0–1.2 58.28S 25.12W 0 4.4b,4.4 **¶621012153**
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=31.0km az=39.0.

ISC VIII 13 08 39 12.9–.93 58.6S–.20 25.3W–.30 38 4.0b 7 44-153
IDC VIII 13 08 39 07.2–.99 58.57S 25.27W 0 4.1b,4.0 **¶621012095**
ISC Event type se.
IDC Error ellipse: s-maj=48.6km s-min=32.3km az=86.0.

ISC VIII 13 12 52 45.9–.68 58.1S–.10 24.0W–.10 10 4.3b 31 16-153
NEIC VIII 13 12 52 45.8–.79 58.16S–.07 24.0W–.20 10–1 4.3b **¶621012154**
IDC VIII 13 12 52 48.0–1.0 58.18S 24.96W 0 4.1,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=5.4km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.8km s-min=24.5km az=51.0.

IDC VIII 13 12 55 41.2–1.2 57.36S 25.09W 0 4.0b,4.0 ¶621012155
IDC Error ellipse: s-maj=47.1km s-min=31.0km az=75.0.

ISC VIII 13 12 57 31.9–1.1 58.2S–.20 24.0W–.20 10 3.8b 6 16-149
IDC VIII 13 12 57 30.7–1.2 58.13S 24.19W 0 4.3L,3.8 **¶621012156**
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=28.2km az=78.0.

ISC VIII 13 13 12 18.6–.27 59.81S–.05 26.42W–.06 50 5.4b,4.9s 291 8-173
IDC VIII 13 13 12 11.6–.36 59.69S 26.33W 0 5.1L,4.9b **¶621237487**
NEIC VIII 13 13 12 18.9–.88 59.80S–.09 26.5W–.20 51–6 5.4,5.3b
BJI VIII 13 13 12 21.0 59.80S 26.40W 60 5.3s,5.1
GFZ VIII 13 13 12 22.5–.83 60S–6.0 26W–4.0 91–8 5.5,5.5b
GCMT VIII 13 13 12 22.3–.10 60.03S–.01 25.74W–.02 34–0 5.4W,5.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131312A. Moment Tensor Solution. s84,c138; s143,c253;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.01±.04 $M_{\theta\theta}$0.71±.03; $M_{\phi\phi}$-1.72±.03; $M_{r\theta}$0.37±.04; $M_{\theta\phi}$-0.47±.02; $M_{\phi r}$1.03±.04; Best double couple: NP1: ϕ_s170.00000°,δ29.00000°,λ61.00000°. NP2:ϕ_e23.00000°,δ65.00000°,λ105.00000°. Principal axes: T 1.4210,Plg66.0000°,Azm320.0000°; N 0.7510,Plg14.0000°,Azm196.0000° ; P -2.1740,Plg19.0000°,Azm102.0000° $M_0$1.79700×10^{17}

ISC VIII 13 08 46 28.9–.28 57.29S–.05 25.41W–.06 43 5.0b,4.5s 232 7-153
IDC VIII 13 08 46 22.8–.43 57.22S 25.21W 0 4.7L,4.7b **¶620984744**
GFZ VIII 13 08 46 25.5–.23 57S–5.0 25W–4.0 10 4.9b,4.9
NEIC VIII 13 08 46 28.6–2.0 57.32S–.04 25.4W–.20 42–7 5.0b,4.9
BJI VIII 13 08 46 31.0 57.40S 25.40W 50 5.2s,4.9
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=13.0km az=51.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.3km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 11 04 27.0–.98 60.6S–.10 26.8W–.20 19 7 15-153
IDC VIII 13 11 04 24.4–1.0 60.42S 26.98W 0 4.4L,4.3 **¶621012130**
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=23.8km az=74.0.
IDC VIII 13 11 53 08.5–1.3 58.46S 23.99W 0 4.2b,4.2 ¶621012139
IDC Error ellipse: s-maj=99.7km s-min=32.5km az=102.0.
ISC VIII 13 11 54 22.9–.94 60.6S–.20 28.5W–.20 10 4.0b 8 15-152
IDC VIII 13 11 54 22.0–.99 60.40S 28.66W 0 4.5L,4.1 **¶621012140**
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=26.4km az=72.0.
IDC VIII 13 13 16 56.7–4.0 55.28S 27.14W 0 4.0b,4.0 ¶621012157
IDC Error ellipse: s-maj=141.7km s-min=55.7km az=170.0.
ISC VIII 13 12 08 30.6–.60 57.0S–.10 25.1W–.10 10 4.2b 39 20-152
IDC VIII 13 12 08 29.4–.80 56.94S 24.89W 0 4.0b,4.0 **¶621012142**
NEIC VIII 13 12 08 30.9–1.3 57.0S–.10 25.0W–.30 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 08 54 21.2–1.5 57.9S–.20 23.4W–.40 10 6 16-153
IDC VIII 13 08 54 20.5–1.5 57.54S 23.55W 0 4.3,4.2b **¶621012097**
ISC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=41.7km az=80.0.
ISC VIII 13 11 10 45.6–.60 58.1S–.10 23.7W–.10 16 4.2b 20 14-153
IDC VIII 13 11 10 43.6–.66 57.94S 23.73W 0 4.3L,4.3b **¶621012131**
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=21.8km az=18.0.
IDC VIII 13 11 13 55.9–1.4 58.73S 26.43W 0 4.2b,4.2 ¶621012132
IDC Error ellipse: s-maj=54.4km s-min=33.3km az=78.0.
ISC VIII 13 11 18 43.7–.83 58.0S–.10 23.9W–.20 10 3.7b 11 16-153
IDC VIII 13 11 18 42.6–.83 57.84S 23.93W 0 4.3L,4.1 **¶621012134**
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=25.2km az=80.0.
ISC VIII 13 13 22 08.0–.82 59.8S–.20 26.3W–.20 26 3.8b 11 13-150
IDC VIII 13 13 22 04.4–.91 59.73S 26.38W 0 3.9L,3.9b **¶620987192**
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=20.5km az=58.0.
IDC VIII 13 11 20 16.3–1.3 56.89S 24.99W 0 3.9b,3.9 ¶621012135
IDC Error ellipse: s-maj=53.8km s-min=27.0km az=79.0.
IDC VIII 13 11 24 48.4–3.4 58.77S 25.23W 0 4.0b,4.0 ¶621012136
IDC Error ellipse: s-maj=123.2km s-min=38.4km az=166.0.
ISC VIII 13 11 25 03.9–.36 60.25S–.07 24.91W–.07 10 4.5b 104 9-157
NEIC VIII 13 11 25 03.9–1.4 60.21S–.10 24.94W–.05 10–1 4.5b **¶620987227**
IDC VIII 13 11 25 03.3–.45 60.21S 24.93W 0 5.0L,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=3.9km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=13.5km az=55.0.
ISC VIII 13 08 54 45.6–.56 58.00S–.09 24.8W–.10 40 4.4b 29 16-152
IDC VIII 13 08 54 40.4–.84 57.94S 24.83W 0 4.2L,4.1b **¶621012100**
NEIC VIII 13 08 54 46.2–.73 58.00S–.10 24.8W–.20 45–9 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 13 37 06.6–.48 59.66S–.08 25.25W–.10 10 4.4b 51 10-153
NEIC VIII 13 13 37 06.1–1.1 59.59S–.04 25.1W–.20 10–1 4.4b **¶620987251**
IDC VIII 13 13 37 06.7–.61 59.73S 25.73W 0 4.8L,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=6.8km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.1km s-min=18.8km az=70.0.
ISC VIII 13 11 26 07.6–.57 57.3S–.10 24.97W–.09 15 4.4b 39 7-152
IDC VIII 13 11 26 05.7–.79 57.19S 24.89W 0 4.4b,4.4 **¶621012137**
NEIC VIII 13 11 26 10.8–.93 57.4S–.10 25.1W–.10 35–1 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 11 36 46.1–1.3 57.38S 25.04W 0 3.6b,3.6 ¶621012138
IDC Error ellipse: s-maj=93.7km s-min=35.8km az=97.0.
ISC VIII 13 12 15 26.5–.51 57.69S–.09 23.91W–.10 10 4.0b 38 17-153
IDC VIII 13 12 15 25.6–.66 57.63S 23.89W 0 4.1L,4.1b **¶621012143**
NEIC VIII 13 12 15 26.8–.65 57.64S–.09 24.0W–.20 10–1 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 12 23 52.0–.90 56.9S–.10 24.9W–.20 22 4.3b 9 20-152
IDC VIII 13 12 23 48.8–.84 56.92S 24.87W 0 4.4b,4.4 **¶621012144**
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=20.9km az=77.0.
ISC VIII 13 13 38 25.6–.56 57.05S–.09 25.02W–.09 10 4.5b 42 7-152
IDC VIII 13 13 38 25.4–.75 57.04S 24.79W 0 4.3b,4.3 **¶621012158**
NEIC VIII 13 13 38 25.6–.66 57.1S–.10 25.0W–.10 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 12 27 54.7–2.1 57.46S 24.50W 0 3.7b,3.7 ¶621012145
IDC Error ellipse: s-maj=104.4km s-min=43.4km az=170.0.
ISC VIII 13 09 01 24.4–.30 57.02S–.05 25.48W–.06 35 4.9b,4.2s 155 7-154
IDC VIII 13 09 01 19.2–.44 56.99S 25.48W 0 4.5b,4.5 **¶620987252**
NEIC VIII 13 09 01 24.5–1.1 57.08S–.09 25.5W–.20 35–1 5.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 11 41 19.1–.40 57.20S–.07 25.05W–.08 10 4.8b 93 7-152
IDC VIII 13 11 41 17.3–.51 57.25S 25.22W 0 4.7L,4.6b **¶620987239**
NEIC VIII 13 11 41 22.3–.98 57.37S–.09 25.2W–.20 38–7 4.8b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 12 29 60.0–.73 57.7S–.10 24.0W–.10 10 4.1b 25 8-153
NEIC VIII 13 12 29 60.0–1.1 57.7S–.10 24.0W–.10 10–1 4.4b **¶621012146**
IDC VIII 13 12 30 01.2–1.1 57.96S 24.82W 0 3.8b,3.8
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=19.4km s-min=10.0km az=345.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=50.8km s-min=23.7km az=73.0.
ISC VIII 13 13 53 40.0–.57 59.58S–.08 25.98W–.09 40 4.5b 42 8-153
IDC VIII 13 13 53 34.6–.81 59.40S 26.05W 0 4.6L,4.3 **¶620987218**
NEIC VIII 13 13 53 39.7–.92 59.6S–.10 26.0W–.20 35–2 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 12 34 10.3–1.3 58.84S 25.05W 0 3.8b,3.8 ¶621012148
IDC Error ellipse: s-maj=39.8km s-min=35.6km az=77.0.
ISC VIII 13 13 55 57.0–.40 59.83S–.07 26.21W–.08 10 4.7b,4.3s 105 9-154
IDC VIII 13 13 55 55.3–.53 59.83S 26.38W 0 5.3L,4.6b **¶620987246**
NEIC VIII 13 13 56 00.4–1.1 59.86S–.03 26.3W–.20 38–8 4.8b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 14 08 06.6–.40 57.98S–.07 25.36W–.08 35 4.6b,4.0s 107 7-154
IDC VIII 13 14 08 01.8–.51 57.87S 25.22W 0 4.7L,4.5b **¶620987214**
NEIC VIII 13 14 08 06.6–1.1 58.03S–.10 25.3W–.20 40–8 4.6b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 15 48 56.4–1.0 59.5S–.20 25.0W–.20 27 3.9b 10 13-153
IDC VIII 13 15 48 52.8–1.0 59.28S 25.04W 0 4.5L,4.1 **¶621012174**
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=24.1km az=64.0.
ISC VIII 13 14 15 07.4–.49 58.28S–.08 24.96W–.09 35 4.4b 48 10-153
IDC VIII 13 14 15 02.8–.62 58.19S 24.95W 0 4.8L,4.3 **¶621012163**
NEIC VIII 13 14 15 08.1–1.0 58.27S–.09 24.9W–.20 44–7 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 14 48 06.1–.68 58.87S–.09 25.0W–.10 18 4.1b 31 10-153
IDC VIII 13 14 48 04.3–.96 58.71S 24.93W 0 4.4L,4.1b **¶621012167**
NEIC VIII 13 14 48 04.3–1.2 58.85S–.08 24.8W–.20 10–2 4.1b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 14 20 43.0–.65 60.31S–.10 26.4W–.10 10 4.3b,3.7s 40 13-153
NEIC VIII 13 14 20 42.4–1.7 60.3S–.10 26.2W–.10 10–2 4.3b,3.7s **¶620987209**
IDC VIII 13 14 20 43.9–.68 60.40S 27.12W 0 4.5L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=9.5km az=13.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.0km s-min=17.2km az=66.0.
ISC VIII 13 14 50 22.6–.49 57.48S–.08 26.22W–.09 65 4.5b 42 10-151
IDC VIII 13 14 50 14.6–.69 57.13S 25.81W 0 4.6L,4.4s **¶620987191**
NEIC VIII 13 14 50 23.3–.90 57.5S–.10 26.2W–.20 69–8 4.5b,4.4s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 16 53 01.1–.95 57.8S–.20 25.7W–.20 50 4.6b 26 7-152
IDC VIII 13 16 52 55.1–1.4 57.52S 25.64W 0 4.6b,4.5 **¶621012183**
NEIC VIII 13 16 53 02.4–1.1 57.9S–.10 26.1W–.30 53–8 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 15 52 42.2–.52 57.00S–.07 25.17W–.07 41–4 5.1b,4.5s 206 7-154
IDC VIII 13 15 52 36.5–.48 56.93S 25.09W 0 4.8b,4.8 **¶620986261**
GFZ VIII 13 15 52 38.9–.25 57S–4.0 25W–5.0 10 5.1b,5.1
NEIC VIII 13 15 52 42.1–2.0 57.0S–.10 25.2W–.20 39–5 5.1b,5.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 14 46 54.0–.89 57.4S–.20 24.3W–.30 10 3.7b 8 33-152
IDC VIII 13 14 46 52.6–.89 57.36S 24.22W 0 3.7b,3.7 **¶621012165**
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=28.6km az=87.0.
ISC VIII 13 16 00 48.2–1.8 60.8S–.20 25.4W–.60 10 7 12-154
IDC VIII 13 16 00 46.6–1.9 60.74S 26.24W 0 4.2b,4.2 **¶620987220**
ISC Event type se.
IDC Error ellipse: s-maj=89.3km s-min=32.1km az=73.0.
IDC VIII 13 18 20 11.2–1.2 56.83S 24.39W 0 4.1b,4.1 ¶621012196
IDC Error ellipse: s-maj=46.1km s-min=24.0km az=75.0.
ISC VIII 13 14 51 48.5–.32 58.38S–.06 23.63W–.06 10 4.9b,4.1s 133 8-157
IDC VIII 13 14 51 46.9–.43 58.26S 23.67W 0 5.0L,4.7b **¶620986262**
NEIC VIII 13 14 51 48.3–1.2 58.46S–.09 23.6W–.10 10–1 5.0b,4.7b
GFZ VIII 13 14 51 49.6–.22 58S–4.0 24W–4.0 10 5.1b,5.1
GCMT VIII 13 14 51 53.0–.30 58.48S–.04 23.14W–.04 18–1 5.1W,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131451A. Moment Tensor Solution. s28,c32; s75,c102; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.27±.46 $M_{\theta\theta}$-0.50±.36; $M_{\phi\phi}$4.77±.28; $M_{r\theta}$-2.27±1.13; $M_{\theta\phi}$2.58±.19; $M_{\phi r}$2.19±.63; Best double couple: NP1:ϕ_s50.00000°,δ47.00000° ,λ-44.00000°. NP2:ϕ_s174.00000°,δ60.00000°,λ-127.00000°. Principal axes: T 5.9730,Plg7.0000°,Azm289.0000°; N 0.2460,Plg31.0000°,Azm195.0000° ; P -6.2220,Plg58.0000°,Azm31.0000° $M_0$6.09800×10^{16}
ISC VIII 13 18 33 29.2–1.1 58.9S–.20 24.9W–.20 10 9 14-153
IDC VIII 13 18 33 26.1–1.1 58.64S 24.94W 0 4.0L,4.0 **¶621012198**
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=28.9km az=75.0.
ISC VIII 13 18 35 51.7–.47 60.23S–.08 26.49W–.09 26 4.5b 59 8-153
IDC VIII 13 18 35 48.6–.61 60.11S 26.58W 0 4.3L,4.3b **¶620987179**
NEIC VIII 13 18 35 49.6–1.9 60.3S–.10 26.6W–.20 10–1 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 17 09 30.5–.83 57.1S–.10 25.4W–.10 35 4.7b,3.7s 22 7-155
IDC VIII 13 17 09 25.3–1.9 56.88S 25.01W 0 4.2b,4.2 **¶621012184**
NEIC VIII 13 17 09 34.2–1.0 57.2S–.10 26.07W–.06 51–9 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 16 14 50.1–.44 57.99S–.07 25.05W–.08 40 4.5b,4.1s 59 7-153
IDC VIII 13 16 14 44.6–.51 57.89S 24.93W 0 4.7L,4.4 **¶620987196**
NEIC VIII 13 16 14 52.1–1.7 58.08S–.09 25.2W–.20 54–7 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 18 38 06.2–.38 57.45S–.07 25.24W–.10 50 4.9b 110 7-156
IDC VIII 13 18 37 59.5–.55 57.35S 25.11W 0 4.6b,4.6 **¶620987234**
NEIC VIII 13 18 38 06.0–1.0 57.5S–.10 25.3W–.20 46–5 5.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 16 18 10.9–.56 56.48S–.09 25.09W–.09 40 4.6b,4.2s 38 7-151
IDC VIII 13 16 18 05.4–.77 56.38S 24.96W 0 4.3b,4.3 **¶621012178**
NEIC VIII 13 16 18 11.7–2.2 56.51S–.08 25.1W–.20 46–8 4.7b,4.3
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 18 46 20.5–.96 57.1S–.20 25.0W–.30 22 4.1b 7 17-152
IDC VIII 13 18 46 17.2–.98 57.08S 24.91W 0 4.1b,4.1 **¶621012199**
ISC Event type se.
IDC Error ellipse: s-maj=39.5km s-min=24.9km az=67.0.
ISC VIII 13 16 21 20.6–.48 60.52S–.08 26.52W–.10 10 4.7b 100 8-153
IDC VIII 13 16 21 19.8–.68 60.52S 26.78W 0 4.4L,4.1b **¶620986687**
NEIC VIII 13 16 21 20.4–1.6 60.49S–.04 26.4W–.20 10–1 4.8b,4.1b
GFZ VIII 13 16 21 20.8–.34 60S–7.0 26W–8.0 10 4.9b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 13 16 26 56.8–.57 59.47S–.09 25.27W–.09 32 4.5b 39 8-153
IDC VIII 13 16 26 52.9–.75 59.46S 25.64W 0 4.5L,4.1b **¶621012179**
NEIC VIII 13 16 26 57.5–1.2 59.4S–.10 25.3W–.10 36–7 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 17 25 32.6–.60 59.4S–.10 25.4W–.10 10 4.4b 36 8-153
IDC VIII 13 17 25 31.8–.82 59.26S 25.36W 0 4.5L,4.2b **¶621012186**
NEIC VIII 13 17 25 32.5–2.1 59.3S–.10 25.3W–.20 10–1 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 18 54 30.9–.70 57.30S–.09 26.0W–.10 35 4.7b 29 7-151
IDC VIII 13 18 54 24.8–.87 57.17S 25.35W 0 4.4L,4.4b **¶621012200**
NEIC VIII 13 18 54 32.5–1.6 57.4S–.10 26.1W–.20 50–6 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 17 33 00.8–.64 57.57S–.09 25.20W–.09 15 4.4b 32 7-152
IDC VIII 13 17 32 58.4–.75 57.58S 25.21W 0 4.1L,4.1b **¶620987206**
NEIC VIII 13 17 33 04.5–2.2 57.6S–.10 25.2W–.20 40–10 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 19 06 36.1–.49 59.49S–.07 25.17W–.08 10 4.5b 60 8-153
NEIC VIII 13 19 06 35.6–1.4 59.52S–.05 25.1W–.20 10–1 4.6b **¶620987216**
IDC VIII 13 19 06 35.8–.64 59.26S 25.39W 0 4.7L,4.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=7.7km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=17.6km az=50.0.
IDC VIII 13 17 34 52.6–2.3 59.43S 24.65W 0 4.1b,4.1 ¶621012191
IDC Error ellipse: s-maj=124.0km s-min=86.8km az=125.0.
ISC VIII 13 17 55 49.8–.53 56.62S–.08 25.50W–.10 29 4.8b 49 7-151
IDC VIII 13 17 55 45.8–.83 56.59S 25.42W 0 4.3b,4.3 **¶621012192**
NEIC VIII 13 17 55 50.8–2.3 56.67S–.05 25.5W–.20 37–9 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 16 45 01.5–.95 58.2S–.20 25.6W–.20 49 9 15-152
IDC VIII 13 16 44 55.8–1.2 57.80S 25.54W 0 4.2L,4.1b **¶620987224**
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=32.5km az=24.0.
ISC VIII 13 16 45 43.1–.63 58.05S–.09 25.3W–.10 49 4.1b 24 7-152
IDC VIII 13 16 45 36.5–.98 57.85S 25.31W 0 4.2L,4.1 **¶621012182**
NEIC VIII 13 16 45 43.2–.50 57.9S–.10 25.3W–.20 42–8 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 16 50 47.6–.52 59.82S–.09 26.01W–.09 16 4.5b 52 8-153
IDC VIII 13 16 50 45.6–.62 59.75S 26.06W 0 4.4L,4.3b **¶620987190**
NEIC VIII 13 16 50 50.7–1.4 59.8S–.10 26.0W–.20 38–7 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 15 12 54.1–.55 60.47S–.08 27.97W–.09 10 4.5b 34 8-151
IDC VIII 13 15 12 52.4–.87 60.22S 28.06W 0 4.3b,4.3 **¶620987200**
NEIC VIII 13 15 12 54.1–2.7 60.6S–.10 28.2W–.20 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 19 10 07.3–1.6 57.54S 24.36W 0 4.4s,4.1b ¶621012202
IDC Error ellipse: s-maj=88.2km s-min=43.8km az=78.0.
IDC VIII 13 19 15 26.8–1.6 58.37S 26.03W 0 4.7s,4.1L ¶621012203
IDC Error ellipse: s-maj=81.2km s-min=40.7km az=77.0.
IDC VIII 13 15 22 19.1–2.2 56.70S 24.56W 0 3.9b,3.9 ¶621012169
IDC Error ellipse: s-maj=94.1km s-min=51.9km az=5.0.
ISC VIII 13 19 18 38.4–.56 56.51S–.10 25.9W–.10 10 4.8b 57 6-154
IDC VIII 13 19 18 37.0–.74 56.46S 25.63W 0 4.4b,4.4 **¶621012204**
NEIC VIII 13 19 18 38.7–1.6 56.5S–.10 25.8W–.20 10–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 15 24 38.5–.60 58.98S–.09 25.32W–.10 10 4.2b 25 8-153
IDC VIII 13 15 24 37.4–.98 58.79S 25.08W 0 4.4L,4.3b **¶620987250**
NEIC VIII 13 15 24 39.8–1.3 59.0S–.10 25.4W–.20 17–7 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 20 51 20.8–.94 60.7S–.30 24.7W–.20 10 4.3b 9 34-154
IDC VIII 13 20 51 19.5–1.0 60.60S 24.67W 0 4.4b,4.4 **¶621012222**
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=29.0km az=20.0.
ISC VIII 13 15 27 11.6–.53 57.46S–.09 24.95W–.09 15 4.6b 39 7-152
IDC VIII 13 15 27 09.6–.66 57.41S 25.09W 0 4.4L,4.4b **¶621012170**
NEIC VIII 13 15 27 16.4–2.2 57.51S–.08 25.1W–.20 51–6 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 15 30 04.0–1.3 57.95S 24.56W 0 4.1b,4.1 ¶621012171
IDC Error ellipse: s-maj=96.9km s-min=34.5km az=97.0.
ISC VIII 13 18 11 40.7–.46 59.98S–.05 26.82W–.06 48–4 5.3b,4.6s 337 8-173
GFZ VIII 13 18 11 37.1–.24 60S–4.0 26W–5.0 10 5.5,5.4b **¶620986266**
NEIC VIII 13 18 11 40.3–1.1 60.03S–.09 27.0W–.20 52–4 5.3b,5.4b
BJI VIII 13 18 11 40.0 60.10S 26.80W 40 5.6s,5.3b
GCMT VIII 13 18 11 41.1–.20 60.35S–.01 26.68W–.03 12 5.1W,5.3b
IDC VIII 13 18 11 45.6–4.7 59.99S 26.82W 82–41 4.9,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.7km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131811A. Moment Tensor Solution. s49,c61; s115,c186; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.88±.17 $M_{\theta\theta}$5.56±.15; $M_{\phi\phi}$-1.68±.16; $M_{r\theta}$0.83±.43; $M_{\theta\phi}$3.66±.12; $M_{\phi r}$1.20±.47; Best double couple: NP1:ϕ_s97.00000°,δ47.00000°,λ-45.00000°. NP2:ϕ_s221.00000°,δ59.00000°,λ-127.00000°. Principal axes: T 7.2240,Plg6.0000°,Azm337.0000°; N -2.7310,Plg31.0000°,Azm243.0000°; P -4.4930,Plg58.0000°,Azm77.0000° $M_0$5.85900×10^{16}

IDC Error ellipse: s-maj=18.3km s-min=12.7km az=66.0.
ISC VIII 13 19 34 02.9–.57 57.99S–.10 24.9W–.10 10 4.2b 29 7-152
IDC VIII 13 19 34 01.6–.70 57.93S 24.80W 0 4.2L,4.1b **¶621012207**
NEIC VIII 13 19 34 02.9–.70 58.0S–.10 24.9W–.30 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 19 40 18.1–.95 58.4S–.20 24.9W–.20 28 4.0b 9 16-153
IDC VIII 13 19 40 13.8–.90 58.31S 24.99W 0 4.6L,4.1b **¶621012209**
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=22.6km az=74.0.
ISC VIII 13 19 43 34.7–.38 56.53S–.06 25.60W–.08 29 5.0b 127 7-154
IDC VIII 13 19 43 30.2–.64 56.47S 25.50W 0 4.5L,4.4b **¶620987199**
NEIC VIII 13 19 43 35.9–1.5 56.59S–.10 25.7W–.20 35–1 5.0b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 21 07 49.5–.92 60.6S–.20 24.3W–.20 10 3.9b 11 12-154
IDC VIII 13 21 07 48.6–.88 60.47S 24.69W 0 4.5L,4.1b **¶620987222**
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=19.6km az=66.0.
ISC VIII 13 15 37 29.0–.78 58.8S–.10 23.7W–.20 10 4.0b 12 14-153
IDC VIII 13 15 37 27.9–.85 58.66S 23.84W 0 4.2L,4.1b **¶620987253**
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=23.4km az=72.0.
ISC VIII 13 21 20 03.4–.45 58.43S–.08 25.10W–.08 28 4.5b,4.0s 56 8-153
IDC VIII 13 21 19 59.5–.57 58.34S 25.18W 0 4.4L,4.4 **¶620987248**
NEIC VIII 13 21 20 05.4–1.9 58.5S–.10 25.1W–.20 44–9 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 15 39 27.2–.74 56.7S–.10 23.6W–.10 10 4.6b 24 8-152
NEIC VIII 13 15 39 27.8–1.1 56.7S–.10 23.5W–.20 15–5 4.8b **¶621012172**
IDC VIII 13 15 39 29.1–.91 57.05S 25.01W 0 4.2b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=15.8km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.0km s-min=21.0km az=67.0.
ISC VIII 13 18 16 38.3–.68 57.93S–.09 25.2W–.10 40 4.5b 31 7-152
NEIC VIII 13 18 16 32.6–2.5 57.7S–.10 24.6W–.20 10–1 4.5b **¶620987188**
IDC VIII 13 18 16 32.7–.85 57.88S 25.23W 0 4.3L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=8.2km az=30.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.2km s-min=25.3km az=59.0.
ISC VIII 13 21 34 58.0–1.1 56.9S–.20 24.9W–.30 22 3.9b 6 33-152
IDC VIII 13 21 34 55.0–1.1 56.91S 24.89W 0 4.0b,4.0 **¶621012225**
ISC Event type se.
IDC Error ellipse: s-maj=44.7km s-min=29.5km az=61.0.
ISC VIII 13 21 48 42.0–.92 57.1S–.20 24.7W–.30 10 3.9b 8 33-152
IDC VIII 13 21 48 40.6–1.0 57.09S 24.68W 0 3.9b,3.9 **¶621012233**
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=24.8km az=72.0.
ISC VIII 13 15 41 58.9–.60 58.82S–.10 24.02W–.10 10 4.4b 29 8-153
IDC VIII 13 15 41 58.7–.91 58.60S 23.99W 0 4.3L,4.3 **¶620987204**
NEIC VIII 13 15 42 01.6–2.4 58.8S–.10 24.0W–.20 26–5 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 21 36 51.8–5.7 56.45S 23.64W 0 4.0b,4.0 ¶621012226
IDC Error ellipse: s-maj=223.8km s-min=38.6km az=158.0.
ISC VIII 13 19 54 33.1–1.4 57.6S–.20 23.6W–.50 10 6 16-153
IDC VIII 13 19 54 31.2–1.3 57.53S 24.07W 0 4.1L,3.9 **¶621012210**
ISC Event type se.
IDC Error ellipse: s-maj=80.4km s-min=30.5km az=89.0.
ISC VIII 13 21 37 52.9–1.1 58.4S–.20 24.7W–.30 10 8 14-149
IDC VIII 13 21 37 51.5–1.2 58.39S 24.77W 0 3.9L,3.8b **¶621012227**
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=27.8km az=79.0.
ISC VIII 13 19 56 20.8–.99 58.2S–.20 25.0W–.20 40 4.0b 7 16-152
IDC VIII 13 19 56 15.6–1.1 58.05S 25.14W 0 3.9,3.8b **¶621012211**
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=27.2km az=55.0.
IDC VIII 13 21 40 23.2–2.2 58.31S 23.88W 0 3.8b,3.8 ¶621012228
IDC Error ellipse: s-maj=116.0km s-min=84.1km az=126.0.
ISC VIII 13 21 44 14.6–.77 56.9S–.10 26.6W–.10 100 4.6b 42 6-151
IDC VIII 13 21 44 01.2–.76 56.49S 25.77W 0 4.3b,4.3 **¶621012229**
NEIC VIII 13 21 44 15.9–1.1 56.9S–.10 26.7W–.30 108–8 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 21 50 40.4–.54 57.29S–.09 25.07W–.08 15 4.3b 39 7-152
IDC VIII 13 21 50 39.0–.78 57.30S 25.17W 0 4.3L,4.2b **¶620986504**
NEIC VIII 13 21 50 43.0–2.3 57.3S–.10 25.0W–.20 35–2 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 21 44 52.3–.69 57.6S–.10 23.82W–.10 10 4.6b 23 8-153
IDC VIII 13 21 44 51.5–1.3 57.45S 23.63W 0 4.3b,4.3 **¶621012232**
NEIC VIII 13 21 44 52.3–1.6 57.6S–.10 23.8W–.20 10–1 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 01 47 34.2–1.4 58.1S–.20 23.8W–.40 35 8 14-153
IDC VIII 14 01 47 28.2–1.3 57.91S 25.35W 0 4.3L,3.8 **¶621013424**
ISC Event type se.
IDC Error ellipse: s-maj=80.8km s-min=26.8km az=92.0.
ISC VIII 13 21 51 10.6–.27 58.26S–.06 23.48W–.06 10 5.0b 204 8-175
IDC VIII 13 21 51 09.2–.37 58.21S 23.43W 0 5.5L,4.8 **¶621012234**
NEIC VIII 13 21 51 10.9–1.6 58.24S–.09 23.5W–.10 10–1 5.0b,4.8
GFZ VIII 13 21 51 11.7–.19 58S–4.0 23W–4.0 10 5.1,5.0b
BJI VIII 13 21 51 12.0 58.40S 23.50W 20 5.5b,4.9s
GCMT VIII 13 21 51 15.2–.20 58.37S–.03 23.05W–.02 16–0 5.0W,4.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132151A. Moment Tensor Solution. s41,c53; s101,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.53±.26 $M_{\theta\theta}$-1.47±.18; $M_{\phi\phi}$5.00±.16; $M_{r\theta}$-1.44±.60; $M_{\theta\phi}$0.74±.11; $M_{\phi r}$0.71±.34; Best double couple: NP1:ϕ_s32.00000°,δ48.00000°,λ-51.00000°. NP2:ϕ_s162.00000°,δ55.00000°,λ-125.00000°. Principal axes: T 5.1200,Plg4.0000°,Azm276.0000°; N -0.7480,Plg28.0000°,Azm184.0000°; P -4.3720,Plg62.0000°,Azm13.0000° $M_0$4.74600×10^{16}
ISC VIII 13 20 04 54.1–.21 57.86S–.05 23.87W–.05 10 5.2b,5.1s 492 8-175
IDC VIII 13 20 04 53.1–.30 57.81S 23.72W 0 5.2L,4.9b **¶620986448**
NEIC VIII 13 20 04 53.9–1.4 57.82S–.10 24.0W–.20 10–1 5.4b,5.0
NEIC VIII 13 20 04 53.9 57.82S 23.99W 10 5.4b,5.0
MOS VIII 13 20 04 54.3–1.4 57.89S 24.00W 21 5.4b,5.1s
NEIC VIII 13 20 04 54.3 57.42S 23.81W 26 5.5,5.1s
GFZ VIII 13 20 04 55.5–.15 58S–3.0 24W–3.0 10 5.5,5.2b
BJI VIII 13 20 04 55.0 58.00S 24.10W 10 5.8b,5.4s
GCMT VIII 13 20 04 57.8–.20 57.91S–.02 23.26W–.02 12 5.2W,5.4s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$1.24 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.11 $M_{\phi r}$1.50 NP1:ϕ_s351.56000°,δ19.45000° ,λ-96.51000°. NP2:ϕ_s178.45000°,δ70.68000°,λ-87.71000°. Principal axes: T 1.9640,Plg26.0000°,Azm267.0000°; N -0.0889,Plg2.0000°,Azm358.0000° ; P -1.8751,Plg64.0000°,Azm92.0000° $M_0$1.92000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132004A. Moment Tensor Solution. s63,c92; s92,c150; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39±.03 $M_{\theta\theta}$-0.68±.04; $M_{\phi\phi}$1.07±.02; $M_{r\theta}$-0.13±.07; $M_{\theta\phi}$0.01±.02; $M_{\phi r}$-0.13±.05; Best double couple: NP1:ϕ_s137.00000°,δ71.00000° ,λ-168.00000°. NP2:ϕ_s43.00000°,δ79.00000°,λ-19.00000°. Principal axes: T 1.0830,Plg5.0000°,Azm91.0000°; N -0.3540,Plg68.0000°,Azm194.0000° ; P -0.7320,Plg21.0000°,Azm359.0000° $M_0$0.90700×10^{17}

ISC	**VIII**	**13 23 32 41.3–.30**	**60.46S–.06**	**26.94W–.07**	**10**	**5.0b,4.5s**	**200**	**8-162**	
IDC	VIII	13 23 32 39.6–.44	60.64S	27.34W	0	4.6L,4.6s			**¶621237495**
NEIC	VIII	13 23 32 41.8–1.4	60.47S–.07	26.9W–.20	10–1	5.1,5.0b			
GFZ	VIII	13 23 32 43.3–.26	60S–5.0	26W–6.0	10	5.2,5.1b			
GCMT	VIII	13 23 32 47.5–.20	60.73S–.01	26.79W–.02	12	5.1W,5.1b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132332A. Moment Tensor Solution. s46,c53; s132,c214; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.29±.12 $M_{\theta\theta}$-4.33±.12; $M_{\phi\phi}$4.05±.10; $M_{r\theta}$-0.60±.32; $M_{\theta\phi}$-3.25±.09; $M_{\phi r}$-0.08±.29; Best double couple: NP1:ϕ_s26.00000°,δ85.00000° ,λ-3.00000°. NP2:ϕ_s116.00000°,δ87.00000°,λ-175.00000°. Principal axes: T 5.1650,Plg1.0000°,Azm251.0000°; N 0.3450,Plg84.0000°,Azm148.0000° ; P -5.5500,Plg6.0000°,Azm341.0000° $M_0$5.33500×10^{16}

ISC	**VIII**	**14 01 48 25.1–.82**	**58.7S–.20**	**24.2W–.20**	**10**	**4.0b**	**12**	**14-153**	
IDC	VIII	14 01 48 24.4–.95	58.53S	24.22W	0	4.1b,4.1			**¶621013427**

ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=29.2km az=33.0.

ISC	**VIII**	**14 02 32 22.8–.46**	**58.60S–.08**	**25.09W–.10**	**28**	**4.5b,3.8s**	**57**	**14-158**	
IDC	VIII	14 02 32 19.1–.53	58.47S	25.01W	0	5.1L,4.3			**¶620995999**
NEIC	VIII	14 02 32 24.0–2.6	58.6S–.10	25.2W–.20	35–2	4.6b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 21 59 58.0–.89**	**57.4S–.20**	**25.0W–.30**	**15**	**4.0b**	**8**	**33-152**	
IDC	VIII	13 21 59 55.7–.90	57.40S	25.02W	0	4.0b,4.0			**¶621012237**

ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=26.0km az=67.0.

ISC	**VIII**	**13 22 03 19.0–1.0**	**55.9S–.20**	**25.7W–.30**	**10**		**6**	**19-151**	
IDC	VIII	13 22 03 17.4–1.1	55.86S	25.67W	0	4.0b,3.9			**¶621012239**

ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=26.7km az=74.0.

ISC	**VIII**	**13 22 10 21.4–.65**	**58.1S–.10**	**25.1W–.10**	**40**	**4.2b**	**24**	**7-152**	
IDC	VIII	13 22 10 15.8–.92	57.98S	24.87W	0	4.3L,4.0			**¶621012241**
NEIC	VIII	13 22 10 18.7–.88	58.0S–.10	25.0W–.20	18–4	4.5b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 22 16 17.5–.56**	**58.33S–.10**	**24.73W–.08**	**10**	**4.7b**	**31**	**8-153**	
IDC	VIII	13 22 16 16.6–.92	58.31S	25.25W	0	4.8L,4.2			**¶621012242**
NEIC	VIII	13 22 16 17.7–1.1	58.4S–.10	24.7W–.20	10–1	4.7b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 20 12 08.8–.44**	**57.82S–.06**	**24.00W–.07**	**12–2**	**4.9b**	**137**	**8-159**	
IDC	VIII	13 20 12 07.6–.50	57.77S	23.92W	0	4.5b,4.5			**¶620987201**
NEIC	VIII	13 20 12 11.4–.92	57.92S–.09	23.9W–.20	30–3	5.1b,4.5			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 20 15 28.6–.49**	**57.84S–.10**	**24.04W–.10**	**10**	**4.5b**	**39**	**8-154**	
IDC	VIII	13 20 15 27.7–.76	57.81S	23.87W	0	4.5s,4.4L			**¶621012214**
NEIC	VIII	13 20 15 28.9–1.8	57.9S–.10	24.0W–.20	10–1	4.7b,4.4L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**13 20 18 40.5–1.2**	**57.55S**	**23.98W**	**0**	**3.9b,3.9**			**¶621012216**

IDC Error ellipse: s-maj=50.8km s-min=35.5km az=87.0.

IDC	**VIII**	**13 20 20 44.9–2.2**	**60.52S**	**24.05W**	**0**	**3.9b,3.9**			**¶621012217**

IDC Error ellipse: s-maj=86.6km s-min=49.2km az=7.0.

ISC	**VIII**	**14 02 42 41.2–.55**	**60.53S–.10**	**26.9W–.10**	**10**	**4.5b**	**38**	**13-153**	
NEIC	VIII	14 02 42 42.4–.75	60.4S–.20	27.1W–.30	10–1	4.5b			**¶620996128**
IDC	VIII	14 02 42 47.1–7.4	60.38S	27.06W	45–68	4.3,4.1b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=22.1km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.0km s-min=23.1km az=29.0.

ISC	**VIII**	**13 23 52 50.2–.39**	**60.29S–.06**	**27.20W–.07**	**10**	**4.8b,4.5s**	**75**	**8-153**	
IDC	VIII	13 23 52 48.3–.53	60.14S	27.48W	0	4.8L,4.5s			**¶621012249**
NEIC	VIII	13 23 52 50.9–1.3	60.34S–.09	27.2W–.20	10–1	4.9b,4.5s			
GCMT	VIII	13 23 52 54.6–.20	60.60S–.01	27.58W–.02	12	5.1W,4.5s			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132352A. Moment Tensor Solution. s37,c40; s134,c212; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.11 $M_{\theta\theta}$-3.41±.11; $M_{\phi\phi}$2.96±.10; $M_{r\theta}$-1.57±.31; $M_{\theta\phi}$-3.98±.09; $M_{\phi r}$1.06±.31; Best double couple: NP1:ϕ_s20.00000°,δ70.00000° ,λ7.00000°. NP2:ϕ_s288.00000°,δ84.00000°,λ160.00000°. Principal axes: T 5.4210,Plg19.0000°,Azm243.0000°; N 0.0680,Plg69.0000°,Azm92.0000° ; P -5.4830,Plg10.0000°,Azm336.0000° $M_0$5.45200×10^{16}

ISC	**VIII**	**14 02 43 20.8–1.9**	**60.3S–.20**	**26.4W–.40**	**20**		**6**	**13-153**	
IDC	VIII	14 02 43 20.6–1.7	59.43S	26.63W	0	4.2b,4.2			**¶621013430**

ISC Event type se.
IDC Error ellipse: s-maj=65.2km s-min=49.4km az=123.0.

ISC	**VIII**	**13 22 29 11.3–.39**	**58.12S–.07**	**25.01W–.07**	**35**	**4.4b**	**68**	**7-152**	
IDC	VIII	13 22 29 06.1–.61	58.03S	24.94W	0	4.4L,4.2			**¶621012243**
NEIC	VIII	13 22 29 11.5–1.4	58.17S–.08	25.0W–.20	35–1	4.6b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 20 25 27.4–.22**	**57.85S–.05**	**23.96W–.05**	**10**	**5.2b,4.9s**	**442**	**8-175**	
MOS	VIII	13 20 25 26.8–1.1	57.75S	24.13W	14	5.4b,4.9s			**¶620986449**
IDC	VIII	13 20 25 26.4–.35	57.81S	23.89W	0	5.0b,4.9L			
NEIC	VIII	13 20 25 27.0–1.4	57.93S–.08	24.0W–.10	10–1	5.3b,4.9L			
GFZ	VIII	13 20 25 28.8–.32	58S–5.0	24W–6.0	10	5.2b,5.2			
BJI	VIII	13 20 25 32.0	58.00S	24.10W	40	5.7b,5.3s			
GCMT	VIII	13 20 25 32.3–.20	58.08S–.02	23.33W–.02	14–1	5.2W,5.3s			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132025A. Moment Tensor Solution. s29,c33; s111,c181; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.65±.05 $M_{\theta\theta}$-0.23±.03; $M_{\phi\phi}$0.87±.03; $M_{r\theta}$-0.39±.08; $M_{\theta\phi}$0.02±.02; $M_{\phi r}$0.16±.05; Best double couple: NP1:ϕ_s28.00000°,δ47.00000° ,λ-47.00000°. NP2:ϕ_s154.00000°,δ58.00000°,λ-126.00000°. Principal axes: T 0.8970,Plg6.0000°,Azm269.0000°; N -0.0010,Plg30.0000°,Azm175.0000° ; P -0.8960,Plg59.0000°,Azm9.0000° $M_0$0.89600×10^{17}

IDC	**VIII**	**14 03 02 52.0–3.5**	**59.21S**	**24.82W**	**0**	**4.0b,4.0**			**¶621013432**

IDC Error ellipse: s-maj=101.1km s-min=68.3km az=178.0.

ISC	**VIII**	**14 00 08 39.1–.52**	**59.70S–.09**	**26.32W–.09**	**35**	**4.6b**	**53**	**8-153**	
IDC	VIII	14 00 08 33.7–.61	59.61S	26.46W	0	4.9L,4.4			**¶620995988**
NEIC	VIII	14 00 08 39.2–.96	59.77S–.10	26.3W–.20	35–2	4.7b,4.4			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 22 36 21.6–.55**	**58.38S–.08**	**25.1W–.10**	**35**	**4.6b**	**47**	**8-152**	
IDC	VIII	13 22 36 16.4–.74	58.29S	25.32W	0	4.9L,4.3b			**¶621012245**
NEIC	VIII	13 22 36 23.5–1.7	58.4S–.10	25.2W–.20	44–8	4.7b,4.3b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**14 03 04 46.8–.79**	**58.74S–.06**	**24.71W–.07**	**9–4**	**5.2b,4.9s**	**249**	**8-174**	
IDC	VIII	14 03 04 45.6–.37	58.71S	24.76W	0	5.1L,4.9b			**¶620986465**
NEIC	VIII	14 03 04 47.4–2.0	58.82S–.09	24.8W–.10	10–1	5.3b,4.9b			
GFZ	VIII	14 03 04 47.3–.26	59S–5.0	25W–5.0	10	5.3,5.3b			
GCMT	VIII	14 03 04 53.1–.10	58.99S–.01	24.15W–.01	19–0	5.3W,5.3b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140304A. Moment Tensor Solution. s92,c146; s133,c247;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.90±.02 $M_{\theta\theta}$0.14±.02; $M_{\phi\phi}$-1.04±.02; $M_{r\theta}$-0.14±.04; $M_{\theta\phi}$0.05±.01; $M_{\phi r}$0.63±.03; Best double couple: NP1: ϕ_s185.00000°,δ29.00000°,λ102.00000°. NP2:ϕ_s352.00000°,δ62.00000°,λ84.00000°. Principal axes: T 1.0970,Plg72.0000°,Azm247.0000°; N 0.1330,Plg6.0000°,Azm354.0000° ; P -1.2340,Plg17.0000°,Azm86.0000° $M_0$1.16500×10^{17}

ISC	**VIII**	**13 20 35 17.2–.68**	**57.7S–.10**	**23.8W–.20**	**10**	**3.8b**	**16**	**15-153**	
IDC	VIII	13 20 35 15.8–.74	57.62S	23.76W	0	4.0L,3.9			**¶621012218**

ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=21.8km az=60.0.

ISC	**VIII**	**14 03 23 42.5–.31**	**60.45S–.07**	**26.99W–.07**	**10**	**5.0b**	**185**	**8-155**	
IDC	VIII	14 03 23 41.4–.42	60.24S	26.88W	0	4.9L,4.6b			**¶620986508**
NEIC	VIII	14 03 23 43.0–2.2	60.4S–.10	26.9W–.20	10–1	5.1b,4.6b			
GFZ	VIII	14 03 23 42.7–.21	61S–5.0	27W–5.0	10	5.2b,5.2			
GCMT	VIII	14 03 23 48.2–.40	60.72S–.04	26.35W–.05	19–1	5.0W,5.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140323A. Moment Tensor Solution. s21,c23; s72,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.30 $M_{\theta\theta}$0.86±.19; $M_{\phi\phi}$-3.12±.19; $M_{r\theta}$2.77±.50; $M_{\theta\phi}$-0.52±.12; $M_{\phi r}$1.48±.34; Best double couple: NP1:ϕ_s160.00000°,δ36.00000° ,λ33.00000°. NP2:ϕ_s42.00000°,δ71.00000°,λ121.00000°. Principal axes: T 4.5160,Plg53.0000°,Azm349.0000°; N -0.6340,Plg29.0000°,Azm211.0000° ; P -3.8810,Plg20.0000°,Azm109.0000° $M_0$4.19800×10^{16}

ISC	**VIII**	**13 20 37 16.4–.48**	**59.82S–.07**	**26.45W–.08**	**50**	**4.6b**	**71**	**8-153**	
NEIC	VIII	13 20 37 15.5–1.4	59.7S–.10	26.4W–.20	43–7	4.7b			**¶621012219**
IDC	VIII	13 20 37 18.3–5.4	59.71S	26.50W	58–48	4.3,4.1L			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=12.6km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=17.3km az=59.0.

IDC	**VIII**	**13 20 43 36.4–2.2**	**57.18S**	**25.18W**	**0**	**4.0b,4.0**			**¶621012220**

IDC Error ellipse: s-maj=93.5km s-min=45.5km az=9.0.

ISC	**VIII**	**14 00 16 37.3–.34**	**59.82S–.06**	**26.36W–.07**	**26**	**5.0b,4.1s**	**171**	**9-173**	
IDC	VIII	14 00 16 33.2–.47	59.74S	26.41W	0	5.2L,4.7b			**¶620986505**
GFZ	VIII	14 00 16 35.3–.21	60S–4.0	26W–4.0	10	5.2b,5.2			
NEIC	VIII	14 00 16 38.8–.94	59.8S–.10	26.5W–.20	35–1	5.1b,5.2			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**14 00 20 15.0–.37**	**58.40S–.06**	**23.65W–.07**	**10**	**4.7b,4.2s**	**85**	**8-155**	
IDC	VIII	14 00 20 13.4–.53	58.26S	23.67W	0	4.9L,4.4b			**¶620996125**
NEIC	VIII	14 00 20 15.1–1.7	58.43S–.09	23.6W–.10	10–1	4.9b,4.4b			
GCMT	VIII	14 00 20 19.9–.30	58.56S–.04	22.91W–.03	19–1	5.0W,4.4b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140020A. Moment Tensor Solution. s23,c23; s94,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.54±.26 $M_{\theta\theta}$0.21±.16; $M_{\phi\phi}$3.33±.16; $M_{r\theta}$-2.05±.42; $M_{\theta\phi}$-0.10±.10; $M_{\phi r}$-0.19±.29; Best double couple: NP1:ϕ_s157.00000° ,δ49.00000°,λ-123.00000°. NP2:ϕ_s21.00000°,δ51.00000°,λ-59.00000°. Principal axes: T 3.3360,Plg1.0000°,Azm89.0000°; N 1.1100,Plg24.0000°,Azm180.0000° ; P -4.4500,Plg66.0000°,Azm356.0000° $M_0$3.89300×10^{16}

ISC	**VIII**	**13 22 47 55.7–.40**	**60.50S–.06**	**26.98W–.08**	**19**	**4.7b,4.1s**	**68**	**8-153**	
IDC	VIII	13 22 47 52.8–.59	60.32S	27.11W	0	4.1L,4.1b			**¶620987187**
NEIC	VIII	13 22 47 54.0–1.3	60.39S–.10	27.2W–.20	10–1	4.9b,4.1b			
GCMT	VIII	13 22 48 03.7–.30	60.64S–.03	27.48W–.04	20–1	4.9W,4.1b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132248A. Moment Tensor Solution. s25,c29; s86,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.83±.22 $M_{\theta\theta}$-0.84±.16; $M_{\phi\phi}$2.67±.14; $M_{r\theta}$-0.12±.33; $M_{\theta\phi}$1.27±.09; $M_{\phi r}$1.64±.25; Best double couple: NP1:ϕ_s46.00000°,δ35.00000° ,λ-47.00000°. NP2:ϕ_s177.00000°,δ65.00000°,λ-116.00000°. Principal axes: T 3.5220,Plg16.0000°,Azm286.0000°; N -0.9850,Plg23.0000°,Azm189.0000° ; P -2.5380,Plg61.0000°,Azm48.0000° $M_0$3.03000×10^{16}

ISC	**VIII**	**13 22 54 03.6–.36**	**60.20S–.06**	**27.26W–.07**	**35**	**4.8b**	**98**	**8-153**	
IDC	VIII	13 22 53 57.7–.51	60.08S	27.49W	0	4.5b,4.5			**¶620987237**
NEIC	VIII	13 22 54 04.0–1.2	60.25S–.09	27.3W–.20	35–2	4.9b,4.5			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 23 12 01.3–.90**	**56.7S–.20**	**24.5W–.30**	**10**	**4.1b**	**8**	**18-152**	
IDC	VIII	13 23 11 59.1–.89	56.57S	24.38W	0	4.3b,4.2			**¶621012247**

ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=23.6km az=67.0.

ISC	**VIII**	**13 20 47 57.5–.53**	**57.75S–.09**	**23.92W–.09**	**10**	**4.1b**	**38**	**8-153**	
IDC	VIII	13 20 47 56.5–.65	57.69S	23.89W	0	4.1,4.0L			**¶621012221**
NEIC	VIII	13 20 47 57.7–1.5	57.7S–.10	23.9W–.20	10–1	4.4b,4.0L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**14 03 30 09.1–1.1**	**57.4S–.20**	**25.2W–.20**	**15**	**4.0b**	**7**	**17-152**	
IDC	VIII	14 03 30 07.0–1.1	57.34S	25.18W	0	3.9b,3.9			**¶621013434**

ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=25.1km az=67.0.

ISC	**VIII**	**13 20 49 51.8–1.6**	**60.51S–.06**	**24.72W–.07**	**2–9**	**5.0b,4.7s**	**207**	**9-172**	
NEIC	VIII	13 20 49 52.9–1.0	60.52S–.08	24.8W–.20	10–1	5.2b,4.7s			**¶621237493**
IDC	VIII	13 20 49 52.1–.38	60.56S	24.72W	0	5.3L,4.8b			
GCMT	VIII	13 20 49 57.5–.10	60.78S–.01	23.81W–.02	12	5.3W,4.8b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132049A. Moment Tensor Solution. s52,c63; s144,c253; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.16±.02 $M_{\theta\theta}$0.44±.02; $M_{\phi\phi}$0.72±.01; $M_{r\theta}$-0.12±.06; $M_{\theta\phi}$0.47±.01; $M_{\phi r}$-0.53±.06; Best double couple: NP1:ϕ_s225.00000°,δ34.00000°

,λ-75.00000°. NP2:ϕ_s27.00000°,δ58.00000°,λ-100.00000°. Principal axes:
T 1.1820,Plg12.0000°,Azm124.0000°; N 0.1200,Plg8.0000°,Azm32.0000°
; P -1.2990,Plg75.0000°,Azm269.0000° $M_0$1.24100×10^{17}

ISC VIII 14 03 31 34.3–.33 58.40S–.05 25.01W–.05 32–2 5.2b,4.9s 321 8-174
IDC VIII 14 03 31 29.4–.32 58.34S 25.07W 0 5.2L,5.0b **¶621237497**
GFZ VIII 14 03 31 31.8–.24 58S–4.0 25W–5.0 10 5.2b,5.2
NEIC VIII 14 03 31 35.0–2.4 58.46S–.07 25.0W–.20 35–1 5.3b,5.2
GCMT VIII 14 03 31 36.9–.10 58.56S–.01 24.49W–.02 28–0 5.3W,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140331A. Moment Tensor Solution. s104,c158; s126,c205;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.03 $M_{\theta\theta}$-0.14±.02; $M_{\phi\phi}$-0.90±.02; $M_{r\theta}$0.49±.03; $M_{\theta\phi}$-0.53±.01; $M_{\phi r}$-0.20±.03; Best double couple: NP1: ϕ_s185.00000°,δ49.00000°,λ56.00000°. NP2:ϕ_s50.00000°,δ51.00000°,λ122.00000°. Principal axes: T 1.2850,Plg65.0000°,Azm25.0000°; N -0.1130,Plg25.0000°,Azm208.0000° ; P -1.1760,Plg1.0000°,Azm118.0000° $M_0$1.23000×10^{17}

ISC VIII 14 00 23 32.5–.30 58.39S–.06 24.94W–.07 28 5.0b 202 8-159
IDC VIII 14 00 23 28.0–.48 58.36S 24.95W 0 4.8L,4.6b **¶620995970**
NEIC VIII 14 00 23 33.7–1.6 58.42S–.10 25.0W–.20 35–1 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 03 34 02.5–.33 57.77S–.05 25.34W–.06 33–1 5.2b,5.0s 278 7-175
GFZ VIII 14 03 33 59.9–.24 58S–4.0 25W–5.0 10 5.2b,5.2 **¶620986510**
NEIC VIII 14 03 34 03.1–2.1 57.78S–.09 25.3W–.20 35–1 5.3b,5.2
IDC VIII 14 03 34 04.2–1.6 57.71S 25.41W 46–14 5.1L,4.9
GCMT VIII 14 03 34 05.2–.30 57.79S–.02 24.91W–.03 41–0 5.2W,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140334A. Moment Tensor Solution. s70,c91; s93,c125; Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.03 $M_{\theta\theta}$0.01±.02; $M_{\phi\phi}$-0.82±.02; $M_{r\theta}$0.16±.02; $M_{\theta\phi}$0.08±.02; $M_{\phi r}$0.31±.02; Best double couple: NP1:ϕ_s163.00000°,δ36.00000° ,λ71.00000°. NP2:ϕ_s6.00000°,δ56.00000°,λ103.00000°. Principal axes:
T 0.8980,Plg75.0000°,Azm316.0000°; N -0.0180,Plg11.0000°,Azm179.0000°
; P -0.8800,Plg10.0000°,Azm87.0000° $M_0$0.88900×10^{17}

ISC VIII 14 00 25 33.2–.95 59.0S–.10 24.3W–.20 10 10 13-153
IDC VIII 14 00 25 32.8–1.3 58.72S 24.07W 0 4.6L,4.3 **¶620996107**
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=30.9km az=45.0.

IDC VIII 14 06 25 54.0–2.1 55.85S 26.85W 0 4.3b,4.3
¶621013453

IDC Error ellipse: s-maj=112.7km s-min=73.4km az=136.0.

ISC VIII 14 06 26 01.1–1.1 57.9S–.20 23.3W–.20 10 6 16-153
IDC VIII 14 06 26 00.5–1.3 57.72S 23.39W 0 4.2L,4.2 **¶621013454**
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=31.8km az=74.0.

ISC VIII 14 03 39 12.0–.41 58.21S–.08 23.57W–.08 16 4.5b 64 11-153
IDC VIII 14 03 39 09.8–.46 58.17S 23.63W 0 4.4L,4.4b **¶620996103**
NEIC VIII 14 03 39 11.7–1.3 58.2S–.10 23.6W–.10 10–1 4.9b,4.4b
GCMT VIII 14 03 39 14.7–.60 58.06S–.08 23.2W–.10 32–0 5.0W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140339A. Moment Tensor Solution. s14,c17; s37,c45; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.73±.38 $M_{\theta\theta}$2.36±.33; $M_{\phi\phi}$2.37±.27; $M_{r\theta}$0.41±.39; $M_{\theta\phi}$-0.18±.25; $M_{\phi r}$0.34±.23; Best double couple: NP1:ϕ_s140.00000°,δ45.00000° ,λ-84.00000°. NP2:ϕ_s311.00000°,δ45.00000°,λ-96.00000°. Principal axes:
T 2.5490,Plg0.0000°,Azm45.0000°; N 2.2220,Plg4.0000°,Azm315.0000°
; P -4.7710,Plg86.0000°,Azm140.0000° $M_0$3.66000×10^{16}

ISC VIII 14 00 28 40.9–.48 58.72S–.08 23.34W–.08 10 4.6b 63 9-153
IDC VIII 14 00 28 39.4–.68 58.57S 23.45W 0 4.4L,4.1b **¶620996053**
NEIC VIII 14 00 28 41.7–1.2 58.7S–.10 23.4W–.20 10–1 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 00 32 24.0–1.1 59.9S–.20 25.8W–.30 16 8 13-139
IDC VIII 14 00 32 22.4–1.3 59.75S 26.11W 0 4.2L,3.9 **¶621013414**
ISC Event type se.
IDC Error ellipse: s-maj=53.1km s-min=25.9km az=72.0.

ISC VIII 14 04 28 32.3–.88 60.6S–.20 24.3W–.20 10 3.8b 11 12-154
IDC VIII 14 04 28 31.2–.88 60.45S 24.51W 0 3.9b,3.9 **¶620995958**
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=23.3km az=61.0.

ISC VIII 14 04 05 15.7–1.2 59.6S–.20 25.0W–.40 10 6 15-153
IDC VIII 14 04 05 14.5–1.4 59.45S 25.48W 0 3.8L,3.8 **¶621013435**
ISC Event type se.
IDC Error ellipse: s-maj=72.2km s-min=28.3km az=85.0.

ISC VIII 14 04 35 39.8–1.3 60.8S–.20 23.6W–.30 10 3.8b 10 12-154
IDC VIII 14 04 35 35.0–1.2 60.49S 24.91W 0 4.1L,4.1b **¶620996050**
ISC Event type se.
IDC Error ellipse: s-maj=51.5km s-min=21.7km az=84.0.

ISC VIII 14 04 38 49.1–1.1 59.2S–.20 23.8W–.20 10 6 15-154
IDC VIII 14 04 38 48.0–1.1 59.10S 24.10W 0 4.5L,4.0 **¶620995928**
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=26.0km az=71.0.

ISC VIII 14 06 41 20.6–.83 58.5S–.10 25.1W–.20 28 3.9b 12 14-153
IDC VIII 14 06 41 16.8–.93 58.38S 25.21W 0 4.4L,4.0 **¶621013455**
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=23.3km az=59.0.

ISC VIII 14 07 01 23.7–.95 60.7S–.20 24.2W–.20 10 3.6b 10 12-154
IDC VIII 14 07 01 22.6–.96 60.52S 24.39W 0 4.2L,3.9 **¶620996029**
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=22.7km az=61.0.

ISC VIII 14 00 45 20.5–.46 58.09S–.09 24.00W–.08 10 4.9b 43 8-154
IDC VIII 14 00 45 18.1–1.6 57.70S 24.26W 0 4.4b,4.3L **¶621013415**
NEIC VIII 14 00 45 20.9–1.4 58.1S–.10 24.1W–.20 10–1 5.0b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 00 49 23.7–.67 60.43S–.09 26.5W–.10 20 4.5b 46 8-153
IDC VIII 14 00 49 20.3–.81 60.18S 26.86W 0 4.3L,4.1 **¶620996016**
NEIC VIII 14 00 49 23.0–1.4 60.48S–.07 26.5W–.30 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 00 51 16.4–1.3 60.1S–.20 26.5W–.40 35 8 13-153
IDC VIII 14 00 51 10.4–1.3 59.91S 27.94W 0 3.9b,3.9 **¶621013417**
ISC Event type se.
IDC Error ellipse: s-maj=100.4km s-min=29.0km az=101.0.

ISC VIII 14 08 39 31.1–.56 57.80S–.09 23.14W–.09 10 4.4b 27 14-153
NEIC VIII 14 08 39 30.6–1.9 57.83S–.10 23.1W–.20 10–1 4.4b **¶621013465**
IDC VIII 14 08 39 31.2–1.1 57.69S 23.39W 0 4.1b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=16.4km az=271.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.8km s-min=29.7km az=43.0.

ISC VIII 14 04 39 28.6–.54 60.40S–.09 24.5W–.10 10 4.2b 30 12-154
IDC VIII 14 04 39 27.2–.68 60.36S 24.79W 0 4.1b,4.1 **¶621013439**
NEIC VIII 14 04 39 29.1–2.2 60.3S–.10 24.6W–.30 10–1 4.3b,4.1
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 08 46 07.8–.62 60.02S–.09 27.13W–.10 50 4.2b 28 9-153
IDC VIII 14 08 46 01.1–.85 59.94S 27.45W 0 4.7L,4.0b **¶621013466**
NEIC VIII 14 08 46 07.7–1.4 60.0S–.10 27.2W–.20 43–7 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 07 07 25.9–.33 59.32S–.06 25.42W–.07 32 4.9b,3.9s 139 10-154
IDC VIII 14 07 07 21.4–.47 59.25S 25.39W 0 4.7L,4.5b **¶620996141**
NEIC VIII 14 07 07 27.9–1.5 59.3S–.10 25.5W–.20 49–5 5.0b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VIII 14 00 59 53.9–1.4 57.87S 23.92W 0 4.0b,4.0
¶621013418

IDC Error ellipse: s-maj=100.6km s-min=35.0km az=100.0.

ISC VIII 14 08 59 50.8–1.1 58.7S–.20 25.5W–.20 10 7 14-153
IDC VIII 14 08 59 51.7–1.4 58.03S 25.82W 0 4.1L,3.9 **¶621013468**
ISC Event type se.
IDC Error ellipse: s-maj=44.9km s-min=40.3km az=33.0.

ISC VIII 14 09 08 06.0–.62 58.94S–.09 25.1W–.10 35 4.4b 29 16-153
IDC VIII 14 09 08 01.3–1.3 58.60S 25.75W 0 3.8L,3.8 **¶621013470**
NEIC VIII 14 09 08 06.0–.73 59.01S–.05 25.0W–.30 35–2 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 01 09 41.8–1.4 59.6S–.20 24.6W–.40 35 8 13-153
IDC VIII 14 01 09 36.0–1.3 59.47S 25.76W 0 4.5L,4.1 **¶621013419**
ISC Event type se.
IDC Error ellipse: s-maj=68.0km s-min=24.9km az=89.0.

ISC VIII 14 04 57 49.5–.53 60.59S–.10 24.46W–.09 10 4.4b 40 10-154
IDC VIII 14 04 57 48.1–.64 60.47S 24.48W 0 4.7L,4.3 **¶620996091**
NEIC VIII 14 04 57 50.0–1.6 60.6S–.10 24.5W–.20 10–1 4.5b,4.3
GCMT VIII 14 04 57 52.4–.50 60.67S–.05 23.6W–.10 21–1 4.9W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140457A. Moment Tensor Solution. s18,c18; s71,c82; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.83±.27 $M_{\theta\theta}$1.47±.17; $M_{\phi\phi}$1.36±.16; $M_{r\theta}$0.38±.32; $M_{\theta\phi}$0.95±.10; $M_{\phi r}$-0.76±.36; Best double couple: NP1:ϕ_s239.00000°,δ44.00000° ,λ-71.00000°. NP2:ϕ_s33.00000°,δ49.00000°,λ-107.00000°. Principal axes:
T 2.3840,Plg3.0000°,Azm135.0000°; N 0.6450,Plg13.0000°,Azm45.0000°
; P -3.0290,Plg77.0000°,Azm238.0000° $M_0$2.70600×10^{16}

ISC VIII 14 07 20 09.5–1.9 58.8S–.20 25.5W–.60 10 7 14-153
IDC VIII 14 07 20 08.0–1.8 58.73S 25.97W 0 3.8L,3.8 **¶621013458**
ISC Event type se.
IDC Error ellipse: s-maj=91.1km s-min=41.4km az=74.0.

ISC VIII 14 09 18 34.6–.60 59.2S–.10 24.0W–.10 10 4.4b 23 13-153
IDC VIII 14 09 18 34.7–1.1 59.05S 24.06W 0 4.0,3.9L **¶620996002**
NEIC VIII 14 09 18 34.2–.87 59.3S–.20 23.9W–.10 10–1 4.3b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 07 22 19.2–.51 56.89S–.08 25.22W–.08 22 4.4b,4.0s 47 7-151
IDC VIII 14 07 22 15.8–.69 56.79S 25.16W 0 4.1b,4.1 **¶620996009**
NEIC VIII 14 07 22 21.1–1.5 56.9S–.10 25.3W–.20 35–2 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 01 13 10.6–.94 58.8S–.20 25.1W–.30 18 4.0b 10 14-153
IDC VIII 14 01 13 09.6–1.1 58.58S 25.42W 0 4.4L,4.1 **¶621013420**
ISC Event type se.
IDC Error ellipse: s-maj=46.7km s-min=21.4km az=63.0.

ISC VIII 14 09 19 19.3–.62 59.92S–.10 26.1W–.10 16 4.4b 37 13-153
IDC VIII 14 09 19 17.9–.90 59.89S 26.66W 0 4.1L,4.1b **¶621013472**
NEIC VIII 14 09 19 22.2–1.1 60.0S–.10 26.02W–.09 42–10 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 05 12 21.0–.56 60.07S–.09 26.58W–.09 10 4.4b 38 8-153
IDC VIII 14 05 12 19.6–.71 59.91S 26.48W 0 4.3,4.2L **¶620996063**
NEIC VIII 14 05 12 27.8–1.3 60.12S–.10 26.8W–.20 56–9 4.6b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 09 27 15.0–.42 59.42S–.07 25.27W–.08 32 4.4b 66 8-153
IDC VIII 14 09 27 10.8–.56 59.34S 25.19W 0 4.9L,4.3b **¶620996073**
NEIC VIII 14 09 27 12.2–1.0 59.35S–.08 25.3W–.20 10–1 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 07 23 57.9–.90 59.0S–.20 25.2W–.20 18 10 14-153
IDC VIII 14 07 23 55.9–1.2 58.77S 25.13W 0 4.4L,4.1b **¶620996088**
ISC Event type se.
IDC Error ellipse: s-maj=44.5km s-min=29.2km az=50.0.

ISC VIII 14 01 15 56.0–1.1 57.3S–.20 25.0W–.30 15 4.0b 6 33-152
IDC VIII 14 01 15 53.6–1.2 57.28S 24.94W 0 3.9b,3.9 **¶621013421**
ISC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=24.6km az=73.0.

ISC VIII 14 09 30 19.0–.42 58.61S–.08 25.13W–.08 28 4.7b 97 8-154
IDC VIII 14 09 30 15.2–.56 58.54S 25.20W 0 4.8L,4.3b **¶620995994**
NEIC VIII 14 09 30 17.8–.91 58.63S–.10 25.1W–.20 20–5 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VIII 14 07 27 59.3–1.4 58.69S 24.15W 0 3.8L,3.7b
¶621013459

IDC Error ellipse: s-maj=59.0km s-min=34.9km az=61.0.

ISC VIII 14 07 32 22.3–.53 59.69S–.09 25.80W–.09 40 4.2b,3.8s 40 13-153
IDC VIII 14 07 32 17.3–.68 59.75S 26.43W 0 4.3L,4.1 **¶621013461**
NEIC VIII 14 07 32 23.8–2.3 59.6S–.10 25.7W–.20 54–8 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 09 30 58.9–.57 55.64S–.10 26.20W–.09 32 4.5b 31 6-150
IDC VIII 14 09 30 54.9–.83 55.62S 26.01W 0 4.4b,4.4 **¶621013476**
NEIC VIII 14 09 30 55.9–1.3 55.7S–.10 26.1W–.20 10–1 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 05 14 42.0–.37 59.76S–.06 26.42W–.06 48–2 5.2b,4.8s 278 8-173
IDC VIII 14 05 14 34.9–.36 59.72S 26.45W 0 4.8L,4.8b **¶621237499**
GFZ VIII 14 05 14 38.0–.23 60S–5.0 26W–5.0 10 5.2b,5.2
GCMT VIII 14 05 14 44.6–.10 60.03S–.01 25.73W–.01 36–0 5.3W,5.2
NEIC VIII 14 05 14 44.4–1.1 59.77S–.10 26.4W–.20 71–3 5.3,5.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140514A. Moment Tensor Solution. s104,c161; s132,c234;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69±.03 $M_{\theta\theta}$0.52±.02; $M_{\phi\phi}$-1.21±.02; $M_{r\theta}$-0.43±.03; $M_{\theta\phi}$-0.44±.01; $M_{\phi r}$0.45±.02; Best double couple: NP1: ϕ_s229.00000°,δ50.00000°,λ148.00000°. NP2:ϕ_s340.00000°,δ66.00000°,λ45.00000°. Principal axes: T 1.2030,Plg48.0000°,Azm202.0000°; N 0.1670,Plg41.0000°,Azm2.0000° ; P -1.3750,Plg10.0000°,Azm101.0000° $M_0$1.28900×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 09 46 34.0–.43 58.60S–.07 25.15W–.08 28 4.6b 75 8-153
IDC VIII 14 09 46 30.2–.56 58.46S 25.00W 0 4.7L,4.5 **¶620996117**

NEIC VIII 14 09 46 35.2–1.4 58.63S–.10 25.1W–.20 35–2 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 05 20 16.4–.44 58.48S–.06 24.98W–.07 64–3 4.8b 159 8-158
IDC VIII 14 05 20 08.2–.45 58.32S 24.97W 0 4.9L,4.5 **¶620996084**
NEIC VIII 14 05 20 14.9–1.4 58.5S–.10 24.99W–.08 51–7 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 07 36 38.5–.55 56.89S–.09 25.92W–.09 61 4.4b 28 7-151
IDC VIII 14 07 36 31.5–.87 56.90S 26.06W 0 4.2b,4.2 **¶620995983**
NEIC VIII 14 07 36 35.9–1.8 56.9S–.10 25.8W–.20 35–2 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 01 33 26.1–.99 59.6S–.20 24.2W–.20 10 3.9b 10 13-154
IDC VIII 14 01 33 25.3–1.0 59.51S 24.47W 0 4.3L,4.0b **¶620996057**
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=22.8km az=68.0.
ISC VIII 14 12 09 16.1–.64 59.91S–.09 25.5W–.10 26 4.6b 40 13-153
IDC VIII 14 12 09 13.2–.80 59.83S 25.82W 0 5.5s,4.6L **¶620996005**
NEIC VIII 14 12 09 13.7–.83 59.9S–.10 25.4W–.30 10–1 4.6b,4.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 09 57 20.5–.30 55.87S–.06 26.22W–.06 10 5.3b 305 6-151
IDC VIII 14 09 57 18.9–.45 55.81S 26.13W 0 5.2s,4.9b **¶620986694**
NEIC VIII 14 09 57 20.4–1.2 55.92S–.10 26.2W–.20 10–1 5.4,5.3b
GFZ VIII 14 09 57 21.7–.23 56S–4.0 26W–4.0 10 5.4b,5.3
MOS VIII 14 09 57 22.9–1.1 55.90S 26.36W 40 5.4b,5.3
GCMT VIII 14 09 57 27.2–.20 55.75S–.02 26.05W–.03 12 5.5W,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140957A. Moment Tensor Solution. s40,c47; s82,c113; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.33±.03 $M_{\theta\theta}$-0.09±.03; $M_{\phi\phi}$-0.23±.02; $M_{r\theta}$-2.08±.07; $M_{\theta\phi}$0.22±.02; $M_{\phi r}$-0.10±.06; Best double couple: NP1:ϕ_s153.00000°,δ7.00000° ,λ155.00000°. NP2:ϕ_s268.00000°,δ87.00000°,λ84.00000°. Principal axes: T 2.2290,Plg47.0000°,Azm172.0000°; N -0.2530,Plg6.0000°,Azm269.0000° ; P -1.9770,Plg42.0000°,Azm4.0000° M_o2.10300×10^{17}
IDC VIII 14 05 27 54.6–1.3 60.34S 27.12W 0 4.0b,4.0 ¶621013445
IDC Error ellipse: s-maj=35.2km s-min=28.1km az=62.0.
ISC VIII 14 05 34 31.0–.83 60.1S–.20 25.9W–.20 16 3.7b 13 13-153
IDC VIII 14 05 34 28.8–.89 60.08S 25.99W 0 3.8L,3.8b **¶620996093**
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=21.4km az=53.0.
ISC VIII 14 05 37 25.7–.76 60.2S–.10 25.7W–.10 26 4.2b 27 13-153
NEIC VIII 14 05 37 22.8–2.5 60.3S–.10 25.5W–.20 10–1 4.2b **¶621013446**
IDC VIII 14 05 37 23.7–1.3 60.04S 25.73W 0 4.2L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=20.4km az=347.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.9km s-min=26.3km az=63.0.
ISC VIII 14 05 40 28.3–.61 59.79S–.09 25.21W–.09 10 4.3b 33 8-153
IDC VIII 14 05 40 27.2–.81 59.81S 25.85W 0 4.3L,4.1b **¶620996035**
NEIC VIII 14 05 40 27.5–1.3 59.6S–.10 25.2W–.10 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 05 45 02.7–.41 58.38S–.07 24.78W–.09 28 4.6b 60 8-158
IDC VIII 14 05 44 58.4–.49 58.33S 24.83W 0 4.5L,4.4b **¶620996121**
NEIC VIII 14 05 45 04.3–1.7 58.4S–.10 24.75W–.08 35–2 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 05 47 57.1–.53 59.40S–.08 25.79W–.09 35 4.2b 41 10-153
IDC VIII 14 05 47 52.3–.65 59.26S 25.57W 0 4.6L,4.0b **¶620996046**
NEIC VIII 14 05 47 57.0–2.2 59.5S–.10 25.7W–.20 35–2 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 12 10 24.1–.62 55.7S–.10 25.94W–.09 32 4.7b 34 6-150
IDC VIII 14 12 10 20.4–1.2 55.73S 25.92W 0 5.5s,4.6b **¶621013487**
NEIC VIII 14 12 10 21.4–1.6 55.76S–.06 25.9W–.20 10–1 4.7b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 05 49 14.2–.65 60.0S–.10 25.49W–.10 26 4.2b 26 10-153
IDC VIII 14 05 49 11.7–.94 59.34S 25.82W 0 4.1L,4.1 **¶620995978**
NEIC VIII 14 05 49 13.1–.76 60.0S–.10 25.7W–.20 10–2 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 12 15 27.7–.58 55.90S–.09 26.66W–.09 35 4.7b 44 6-150
IDC VIII 14 12 15 21.9–.87 55.67S 25.78W 0 4.5b,4.5 **¶621013489**
NEIC VIII 14 12 15 29.0–1.0 56.0S–.10 26.8W–.20 37–9 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 05 51 32.1–.58 56.77S–.09 25.31W–.09 35 5.0b,3.8s 45 7-151
IDC VIII 14 05 51 27.1–.78 56.65S 25.40W 0 4.3b,4.2 **¶621013448**
NEIC VIII 14 05 51 28.8–1.9 56.8S–.10 25.19W–.08 10–1 4.9b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 12 28 15.0–.55 57.42S–.08 25.34W–.09 43 4.4b 31 7-152
IDC VIII 14 12 28 09.0–1.1 57.26S 25.46W 0 4.6L,4.3b **¶620995949**
NEIC VIII 14 12 28 15.7–1.4 57.40S–.10 25.18W–.08 48–9 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 13 47 30.1–.65 56.54S–.09 25.7W–.10 29 4.8b 51 7-154
IDC VIII 14 13 47 25.6–.87 56.45S 25.34W 0 4.4b,4.4 **¶620996126**
NEIC VIII 14 13 47 35.7–1.7 56.7S–.10 26.1W–.30 63–10 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 06 03 52.0–.49 58.21S–.08 23.49W–.09 16 4.5b 42 8-153
IDC VIII 14 06 03 49.8–.63 58.07S 23.64W 0 4.5s,4.3L **¶620996008**
NEIC VIII 14 06 03 51.3–1.8 58.2S–.10 23.6W–.20 10–1 4.6b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 06 11 36.9–.53 60.40S–.08 26.88W–.09 10 4.5b 39 13-153
IDC VIII 14 06 11 35.9–.71 60.27S 26.96W 0 4.2,4.1b **¶620996028**
NEIC VIII 14 06 11 41.8–.98 60.4S–.10 27.1W–.20 42–9 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 06 14 02.0–.62 58.24S–.09 24.54W–.10 10 4.4b 31 8-153
IDC VIII 14 06 14 01.4–.96 58.15S 24.83W 0 4.0L,4.0b **¶620996056**
NEIC VIII 14 06 14 01.4–1.3 58.2S–.10 24.5W–.10 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 06 14 38.8–.43 58.19S–.08 23.66W–.09 16 4.6b,3.6s 51 14-153
IDC VIII 14 06 14 36.9–.56 58.11S 23.69W 0 4.6L,4.3b **¶620996076**
NEIC VIII 14 06 14 38.1–.93 58.21S–.09 23.6W–.20 10–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 12 51 05.6–.44 58.23S–.07 25.11W–.08 40 4.5b 64 7-152
IDC VIII 14 12 50 59.7–.63 57.98S 25.33W 0 4.5b,4.5 **¶620996040**
NEIC VIII 14 12 51 05.7–1.2 58.13S–.05 25.2W–.20 35–2 4.5b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 10 00 10.3–.21 60.32S–.05 27.07W–.05 19 5.8b,5.5s 567 8-172
IDC VIII 14 10 00 07.3–.32 60.23S 26.93W 0 5.4b,5.3L **¶621237501**
GFZ VIII 14 10 00 09.6–.19 60S–3.0 27W–3.0 10 5.9b,5.8
NEIC VIII 14 10 00 09 60.35S 27.10W 10 5.9b,5.8
NEIC VIII 14 10 00 09.3–1.3 60.35S–.09 27.1W–.20 12–1 5.8b,5.5
MOS VIII 14 10 00 13.8–1.2 60.31S 27.17W 59 5.8b,5.5
GCMT VIII 14 10 00 15.4–.20 60.45S–.01 26.46W–.02 12 5.5W,5.5
PTWC VIII 14 10 00 21 60.20S 26.90W 115 5.7,5.5
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=11.9km az=56.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=14.2km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-0.52 $M_{r\theta}$2.14 $M_{\theta\phi}$0.26 $M_{\phi r}$0.21 NP1:ϕ_s88.39000°,δ79.27000°,λ83.06000°. NP2:ϕ_s301.57000°,δ12.75000° ,λ122.53000°. Principal axes: T 2.5868,Plg55.0000°,Azm350.0000°; N -0.5431,Plg7.0000° ,Azm90.0000°; P -2.0437,Plg34.0000°,Azm184.0000° M_o2.36000×10^{17}
MOS Error ellipse: s-maj=26.8km s-min=14.4km az=107.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108141000A. Moment Tensor Solution. s91,c138; s130,c219;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65±.02 $M_{\theta\theta}$-0.54±.02; $M_{\phi\phi}$-0.11±.02; $M_{r\theta}$2.41±.06; $M_{\theta\phi}$-0.49±.01; $M_{\phi r}$0.72±.06; Best double couple: NP1: ϕ_s215.00000°,δ10.00000°,λ52.00000°. NP2:ϕ_s73.00000°,δ82.00000°,λ96.00000°. Principal axes: T 2.5670,Plg53.0000°,Azm350.0000°; N 0.1260,Plg6.0000°,Azm252.0000° ; P -2.6930,Plg37.0000°,Azm158.0000° M_o2.63000×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.
IDC VIII 14 14 15 31.0–2.4 59.02S 25.50W 0 4.3b,4.3 ¶620996006
IDC Error ellipse: s-maj=74.3km s-min=50.2km az=5.0.
ISC VIII 14 10 14 55.8–.61 56.02S–.09 26.84W–.09 63 4.5b 32 6-150
IDC VIII 14 10 14 47.6–1.2 55.86S 26.49W 0 4.2b,4.2 **¶621013479**
NEIC VIII 14 10 14 53.5–1.1 56.0S–.10 27.0W–.10 35–2 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 10 15 59.4–.50 59.96S–.08 25.58W–.09 26 4.5b 59 13-153
NEIC VIII 14 10 15 56.2–1.6 60.0S–.10 25.4W–.20 10–1 4.5b **¶620996011**
IDC VIII 14 10 15 58.6–.77 60.28S 26.95W 0 4.7L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=17.0km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.7km s-min=17.6km az=58.0.
ISC VIII 14 06 17 03.4–1.5 58.8S–.20 25.2W–.50 18 7 14-153
IDC VIII 14 06 17 01.1–1.6 58.61S 25.57W 0 4.3L,4.2 **¶621013451**
ISC Event type se.
IDC Error ellipse: s-maj=79.8km s-min=40.2km az=78.0.
ISC VIII 14 06 20 44.6–.49 58.55S–.07 25.05W–.08 10 4.3b 39 8-153
IDC VIII 14 06 20 43.1–.67 58.42S 25.13W 0 4.5L,4.2 **¶620995937**
NEIC VIII 14 06 20 47.4–.66 58.51S–.10 25.2W–.20 30–6 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 06 24 33.5–.99 59.1S–.10 23.8W–.20 10 3.6b 11 13-153
IDC VIII 14 06 24 32.1–.95 58.95S 23.94W 0 4.8L,3.9 **¶621013452**
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=21.5km az=71.0.
ISC VIII 14 14 37 46.4–.55 58.53S–.08 25.46W–.10 38 4.4b 42 7-152
NEIC VIII 14 14 37 47.5–1.9 58.6S–.10 25.5W–.20 49–8 4.6b **¶620995926**
IDC VIII 14 14 37 49.7–5.7 58.54S 25.27W 66–50 4.2,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=14.5km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.8km s-min=20.3km az=67.0.
ISC VIII 14 15 27 23.3–.68 57.68S–.09 25.3W–.10 35 4.1b 25 7-152
IDC VIII 14 15 27 18.3–.79 57.55S 25.09W 0 4.0b,4.0 **¶620996083**
NEIC VIII 14 15 27 25.5–.87 57.8S–.10 25.6W–.30 42–7 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 10 23 22.8–.45 57.38S–.06 25.00W–.06 43–3 4.9b 143 7-175
IDC VIII 14 10 23 17.1–.42 57.35S 25.13W 0 4.7b,4.7 **¶620986698**
NEIC VIII 14 10 23 24.2–1.3 57.44S–.10 25.0W–.10 57–7 4.9b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 14 49 34.9–.32 60.24S–.05 26.76W–.06 35–1 5.0b 213 8-172
IDC VIII 14 14 49 29.7–.41 60.09S 26.62W 0 4.8L,4.7b **¶620986717**
GFZ VIII 14 14 49 34.9–.24 60S–3.0 27W–3.0 39–2 5.1b,5.1
NEIC VIII 14 14 49 35.2–1.6 60.2S–.10 26.8W–.20 36–2 5.1b,5.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 14 55 46.9–.51 59.35S–.08 25.40W–.08 32 4.6b 56 8-153
IDC VIII 14 14 55 42.5–.61 59.36S 25.58W 0 4.8L,4.3b **¶620996122**
NEIC VIII 14 14 55 46.1–1.6 59.35S–.10 25.3W–.20 23–6 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 10 30 11.4–.48 59.96S–.05 26.71W–.06 35–1 5.2b,4.9s 277 8-173
IDC VIII 14 10 30 05.8–.39 59.85S 26.62W 0 4.9L,4.9s **¶620986696**
GFZ VIII 14 10 30 07.8–.27 60S–6.0 27W–6.0 10 5.3b,5.3
NEIC VIII 14 10 30 10.6–.85 59.9S–.10 26.8W–.20 35–1 5.2b,5.3
GCMT VIII 14 10 30 12.1–.10 60.20S–.01 26.40W–.02 12 5.4W,5.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108141030A. Moment Tensor Solution. s81,c101; s143,c250;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.23±.02 $M_{\theta\theta}$1.47±.02; $M_{\phi\phi}$-0.24±.02; $M_{r\theta}$0.33±.06; $M_{\theta\phi}$-0.04±.02; $M_{\phi r}$0.14±.07; Best double couple: NP1: ϕ_s100.00000°,δ39.00000°,λ-77.00000°. NP2:ϕ_s264.00000°,δ52.00000°,λ-100.00000°. Principal axes: T 1.5090,Plg7.0000°,Azm1.0000°; N -0.2300,Plg8.0000°,Azm270.0000° ; P -1.2880,Plg80.0000°,Azm131.0000° M_o1.39900×10^{17}
ISC VIII 14 17 59 06.5–.92 59.9S–.20 25.6W–.20 10 3.9b 11 13-153
IDC VIII 14 17 59 05.1–.92 59.84S 25.91W 0 4.5L,4.1 **¶620995930**
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=23.6km az=74.0.
ISC VIII 14 10 38 49.2–.55 60.07S–.08 26.09W–.10 16 4.5b 55 13-153
NEIC VIII 14 10 38 47.8–1.3 60.0S–.10 25.9W–.20 10–1 4.6b **¶620996039**
IDC VIII 14 10 38 48.1–.79 60.04S 26.64W 0 4.4L,4.1

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=11.7km az=50.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.1km s-min=16.7km az=57.0.
ISC VIII 14 16 10 48.0–.74 57.3S–.10 25.3W–.10 35 4.2b 27 7-152
IDC VIII 14 16 10 42.1–.84 57.09S 25.11W 0 4.4L,4.0b **¶620995964**
NEIC VIII 14 16 10 49.1–2.5 57.35S–.10 25.5W–.10 35–2 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 13 30 00.8–.67 58.88S–.09 24.3W–.10 10 4.6b 33 8-153
IDC VIII 14 13 29 59.2–.77 58.47S 24.04W 0 4.4L,4.3b **¶620995967**
NEIC VIII 14 13 30 02.5–1.8 59.2S–.10 24.64W–.08 10–2 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 13 35 31.5–.60 57.67S–.09 24.4W–.10 10 4.1b 31 8-152
IDC VIII 14 13 35 30.5–.82 57.52S 24.03W 0 4.1b,4.1 **¶620995962**
NEIC VIII 14 13 35 32.0–1.7 57.68S–.07 24.4W–.20 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 18 11 54.1–.29 59.64S–.06 26.34W–.06 50 5.0b,4.8s 174 8-173
IDC VIII 14 18 11 46.8–.42 59.60S 26.23W 0 4.6L,4.6b **¶620996115**
NEIC VIII 14 18 11 56.0–1.1 59.69S–.10 26.3W–.20 73–4 5.1b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 16 16 57.9–1.0 59.3S–.10 23.8W–.20 10 4.0b 10 13-154
IDC VIII 14 16 16 56.1–.95 59.12S 24.01W 0 4.8L,4.2 **¶620996049**
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=21.9km az=77.0.
ISC VIII 14 16 18 55.1–.98 59.4S–.10 24.2W–.20 10 4.1b 11 13-153
IDC VIII 14 16 18 53.8–.95 59.25S 24.52W 0 4.6L,4.2 **¶620996082**
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=22.2km az=74.0.
ISC VIII 14 18 15 34.5–.43 59.67S–.08 25.99W–.08 40 4.5b 65 8-158
IDC VIII 14 18 15 29.1–.61 59.57S 25.88W 0 4.7L,4.5b **¶620996124**
NEIC VIII 14 18 15 33.2–1.6 59.66S–.10 26.0W–.20 27–4 4.6b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 16 44 01.6–.44 59.46S–.08 25.05W–.08 27 4.5b 60 8-153
IDC VIII 14 16 43 58.2–.52 59.33S 24.96W 0 5.1L,4.3b **¶621013524**
NEIC VIII 14 16 43 59.3–1.8 59.46S–.08 25.0W–.20 10–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 18 17 03.5–.94 58.5S–.10 24.9W–.20 28 4.0b 11 14-153
IDC VIII 14 18 16 59.7–.97 58.33S 25.10W 0 4.4L,4.1 **¶620996143**
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=26.2km az=69.0.
ISC VIII 14 18 45 21.0–.47 58.42S–.08 23.60W–.09 10 4.3b 59 8-153
IDC VIII 14 18 45 19.8–.56 58.29S 23.72W 0 4.4L,4.2b **¶620996086**
NEIC VIII 14 18 45 21.3–2.0 58.5S–.10 23.7W–.20 10–1 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 17 02 31.6–.57 58.62S–.09 25.11W–.10 28 4.2b 40 8-153
IDC VIII 14 17 02 27.6–.76 58.45S 25.39W 0 4.5L,4.1 **¶620995982**
NEIC VIII 14 17 02 32.8–1.0 58.7S–.10 25.1W–.20 35–4 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 10 59 31.3–.46 57.26S–.08 24.63W–.09 10 4.6b,4.3s 45 7-152
IDC VIII 14 10 59 30.4–.67 57.34S 24.73W 0 4.5L,4.4b **¶620996000**
NEIC VIII 14 10 59 31.3–1.5 57.23S–.09 24.6W–.20 10–1 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 18 56 19.0–.68 56.86S–.10 25.20W–.09 22 4.2b 29 7-151
IDC VIII 14 18 56 15.8–.83 56.81S 24.99W 0 4.1L,4.1b **¶620995955**
NEIC VIII 14 18 56 22.2–1.3 56.9S–.10 25.1W–.20 49–8 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 19 40 51.9–1.1 59.5S–.20 25.3W–.20 32 8 13-153
IDC VIII 14 19 40 47.6–1.1 59.29S 25.60W 0 4.2L,4.0 **¶620996118**
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=25.3km az=74.0.
ISC VIII 14 19 03 32.3–.19 58.41S–.03 25.67W–.04 10 5.2b,4.8s 311 7-174
IDC VIII 14 19 03 30.7–.36 58.31S 25.51W 0 4.9b,4.9 **¶621237504**
BJI VIII 14 19 03 33.0 58.30S 25.70W 10 5.6b,5.4s
NEIC VIII 14 19 03 33.4–1.5 58.54S–.08 25.6W–.20 24–3 5.2b,5.4s
GFZ VIII 14 19 03 35.9–.15 58S–3.0 25W–3.0 10 5.2b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 14 19 44 49.9–1.4 57.0S–.20 22.8W–.60 35 4.6b 6 17-153
IDC VIII 14 19 44 41.7–.94 56.67S 25.23W 0 4.3b,4.2 **¶621013547**
ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=22.6km az=78.0.
ISC VIII 14 19 14 02.9–.69 55.3S–.10 27.2W–.10 10 4.2b 18 5-151
IDC VIII 14 19 14 02.3–.85 55.30S 27.24W 0 3.9L,3.9b **¶621013543**
NEIC VIII 14 19 14 02.7–1.7 55.2S–.10 27.2W–.20 10–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 11 24 41.5–.68 57.16S–.10 24.9W–.10 22 4.6b 29 7-152
IDC VIII 14 11 24 38.6–1.2 57.11S 24.99W 0 4.0b,4.0 **¶621013483**
NEIC VIII 14 11 24 39.9–1.2 57.2S–.10 24.87W–.09 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 19 21 30.0–.75 59.7S–.10 28.3W–.20 10 3.9b 11 31-152
IDC VIII 14 19 21 28.6–.76 59.74S 28.27W 0 4.1b,4.0 **¶621013544**
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=18.8km az=69.0.
ISC VIII 14 19 53 32.2–.98 59.8S–.20 27.9W–.30 10 3.9b 8 14-152
IDC VIII 14 19 53 30.5–.92 59.81S 28.06W 0 4.1b,4.1 **¶621013549**
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=26.1km az=89.0.
ISC VIII 14 17 19 03.4–.59 57.87S–.10 23.87W–.10 10 4.0b 34 8-153
IDC VIII 14 17 19 02.4–.77 57.82S 23.99W 0 4.2L,3.9b **¶620996116**
NEIC VIII 14 17 19 04.0–.69 57.9S–.10 23.8W–.20 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 19 24 10.6–1.1 60.6S–.20 22.8W–.30 10 8 12-155
IDC VIII 14 19 24 09.8–1.2 60.39S 22.84W 0 4.2b,4.2 **¶620996087**
ISC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=28.1km az=62.0.
ISC VIII 14 20 51 22.2–.78 57.0S–.10 24.8W–.20 22 3.9b 9 33-152
IDC VIII 14 20 51 19.0–.88 57.01S 24.82W 0 3.8b,3.8 **¶621013558**
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=24.4km az=64.0.
ISC VIII 14 17 37 60.0–.96 60.1S–.20 24.1W–.20 10 3.8b 10 12-154
IDC VIII 14 17 37 59.4–1.0 59.91S 24.34W 0 4.9L,4.0 **¶620996069**

ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=21.8km az=58.0.
ISC VIII 14 11 33 07.2–.43 59.82S–.07 26.46W–.08 26 4.6b 83 13-173
IDC VIII 14 11 33 04.3–.52 59.82S 26.64W 0 4.5L,4.4b **¶620996045**
NEIC VIII 14 11 33 08.4–.80 59.7S–.10 26.3W–.20 35–2 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 20 03 27.9–.67 57.03S–.09 25.6W–.10 35 4.5b 35 7-151
IDC VIII 14 20 03 22.9–.81 56.83S 25.02W 0 4.0b,4.0 **¶621013550**
NEIC VIII 14 20 03 29.0–1.4 57.1S–.10 25.8W–.20 35–2 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 20 56 23.2–1.1 58.4S–.20 25.3W–.20 10 3.7b 6 32-152
IDC VIII 14 20 56 21.6–1.2 58.42S 25.23W 0 3.7b,3.7 **¶621013560**
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=26.8km az=76.0.
ISC VIII 14 21 10 55.8–.95 60.1S–.20 25.8W–.20 16 3.7b 9 13-153
IDC VIII 14 21 10 54.0–1.1 59.92S 26.04W 0 3.7b,3.7 **¶620995936**
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=33.5km az=56.0.
ISC VIII 14 20 11 13.9–.49 57.29S–.08 25.46W–.09 43 4.4b 51 7-152
IDC VIII 14 20 11 07.9–.59 57.16S 25.34W 0 4.1L,4.1b **¶620995984**
NEIC VIII 14 20 11 14.6–1.3 57.41S–.07 25.7W–.30 45–9 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 14 21 11 35.1–1.4 59.87S 26.63W 0 3.6b,3.6
¶620995953
IDC Error ellipse: s-maj=115.7km s-min=32.1km az=96.0.
ISC VIII 14 21 11 48.5–.96 59.3S–.20 25.3W–.20 10 4.1b 28 8-153
NEIC VIII 14 21 11 48.6–1.2 59.3S–.10 25.3W–.40 10–1 4.2b **¶621013561**
IDC VIII 14 21 11 49.5–.84 59.68S 27.01W 0 4.7L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=37.9km s-min=11.0km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.9km s-min=20.3km az=58.0.
ISC VIII 14 21 16 10.3–.42 58.62S–.07 24.98W–.08 28 4.5b,3.8s 68 8-153
IDC VIII 14 21 16 06.4–.56 58.53S 25.07W 0 4.9L,4.3b **¶620996068**
NEIC VIII 14 21 16 10.4–1.9 58.65S–.09 24.9W–.20 27–4 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 20 15 21.1–.74 58.3S–.10 24.9W–.10 35 4.3b 30 14-153
IDC VIII 14 20 15 16.6–.83 58.19S 24.95W 0 4.6L,4.1 **¶621013552**
NEIC VIII 14 20 15 20.0–.69 58.2S–.10 24.7W–.40 30–9 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 17 55 16.2–.53 59.10S–.07 25.39W–.08 35 4.4b 52 8-153
IDC VIII 14 17 55 11.2–.66 58.86S 25.31W 0 4.5L,4.2b **¶620996094**
NEIC VIII 14 17 55 17.4–1.4 59.1S–.10 25.5W–.20 50–8 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 14 21 24 45.0–1.2 58.11S 25.16W 0 4.0L,3.6b
¶621013564
IDC Error ellipse: s-maj=41.4km s-min=31.0km az=79.0.
ISC VIII 14 17 56 04.8–.63 58.9S–.10 23.7W–.10 10 4.5b 26 8-153
IDC VIII 14 17 56 03.9–.89 58.78S 23.88W 0 4.6L,4.2 **¶621013536**
NEIC VIII 14 17 56 06.6–1.6 58.9S–.10 23.6W–.20 25–6 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 20 17 35.2–.58 58.83S–.09 25.3W–.10 35 4.3b 40 14-156
IDC VIII 14 20 17 30.5–.73 58.69S 25.24W 0 4.0L,4.0b **¶620996112**
NEIC VIII 14 20 17 36.7–1.0 58.9S–.10 25.6W–.30 35–2 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 21 37 19.8–.65 58.91S–.09 23.8W–.10 10 4.2b 28 13-153
IDC VIII 14 21 37 17.6–.90 58.62S 24.49W 0 4.1L,4.0 **¶621013566**
NEIC VIII 14 21 37 20.0–1.8 58.88S–.08 23.8W–.30 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 21 42 07.8–.21 56.52S–.05 25.63W–.05 29 5.4b,5.2s 465 7-176
IDC VIII 14 21 42 03.4–.39 56.46S 25.63W 0 5.0s,4.9b **¶620986825**
NEIC VIII 14 21 42 05.7–1.2 56.52S–.10 25.7W–.20 16–3 5.4b,5.3
GFZ VIII 14 21 42 06.1 56.52S 25.75W 21 5.6W,5.3
BJI VIII 14 21 42 06.4 56.60S 25.60W 20 5.5s,5.4b
NEIC VIII 14 21 42 06.1 56.51S 25.63W 18 5.5s,5.4b
GFZ VIII 14 21 42 06.4–.31 57S–4.0 26W–6.0 10 5.9b,5.5
MOS VIII 14 21 42 07.9–.95 56.65S 26.08W 37 5.5b,5.0s
PTWC VIII 14 21 42 10 56.60S 25.70W 48 5.5,5.0s
GCMT VIII 14 21 42 13.3–.10 56.57S–.01 25.31W–.01 18–0 5.6W,5.0s
NEIC VIII 14 21 42 14.4 56.11S 25.81W 26 5.5,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=13.0km az=58.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.1km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}2.20 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-2.20 $M_{r\theta}$-1.05 $M_{\theta\phi}$0.72 $M_{\phi r}$1.63 NP1:
ϕ_s175.00465°,δ26.51568°,λ110.12075°. NP2:ϕ_s332.73921°,δ65.21615°,λ80.26124°.
Principal axes: T 2.9530,Plg68.3018°,Azm223.8632°; N 0.1335,Plg8.8342°,Azm336.8544°
; P -3.0865,Plg19.6523°,Azm70.0360° $M_0$3.02200×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=20.4km s-min=9.7km az=109.4.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108142142A. Moment Tensor Solution. s116,c187; s150,c288;Duration: 1τ5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.24±.05 $M_{\theta\theta}$-0.02±.03; $M_{\phi\phi}$-2.22±.03; $M_{r\theta}$-0.21±.09; $M_{\theta\phi}$0.85±.02; $M_{\phi r}$1.56±.09; Best double couple: NP1: ϕ_s154.00000°,δ29.00000°,λ78.00000°. NP2:ϕ_s348.00000°,δ62.00000°,λ97.00000°.
Principal axes: T 2.7320,Plg72.0000°,Azm274.0000°; N 0.2380,Plg6.0000°,Azm165.0000°
; P -2.9710,Plg17.0000°,Azm73.0000° $M_0$2.85200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2τ8 Moment tensor: Scale 10^{17}Nm; M_{rr}2.29 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-1.99 $M_{r\theta}$-0.71 $M_{\theta\phi}$1.00 $M_{\phi r}$0.42 NP1:ϕ_s166.44000°,δ38.15000°
,λ108.03000°. NP2:ϕ_s323.95000°,δ54.03000°,λ76.33000°. Principal axes:
T 2.4775,Plg76.0000°,Azm189.0000°; N 0.0741,Plg11.0000°,Azm332.0000°
; P -2.5516,Plg8.0000°,Azm64.0000° $M_0$2.52000×10^{17}
ISC VIII 14 20 28 42.8–.25 59.16S–.05 25.06W–.06 18 5.2b,4.9s 320 8-164
IDC VIII 14 20 28 40.1–.33 59.10S 25.10W 0 4.9L,4.9s **¶620986821**
GFZ VIII 14 20 28 41.7–.27 59S–4.0 25W–5.0 10 5.4b,5.4
BJI VIII 14 20 28 41.4 59.20S 25.20W 10 5.4s,5.4b
NEIC VIII 14 20 28 41.5–1.1 59.11S–.05 25.1W–.20 9–3 5.2b,5.4b
GCMT VIII 14 20 28 48.0–.20 59.34S–.01 24.42W–.03 19–0 5.4W,5.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108142028A. Moment Tensor Solution. s47,c64; s128,c196; Duration: 1τ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86±.05 $M_{\theta\theta}$-0.88±.04; $M_{\phi\phi}$0.01±.03; $M_{r\theta}$0.07±.06; $M_{\theta\phi}$0.59±.02; $M_{\phi r}$1.06±.09; Best double couple: NP1:ϕ_s89.00000°,δ42.00000°

,λ35.00000°. NP2:ϕ_e331.00000°,δ67.00000°,λ126.00000°. Principal axes:
T 1.6410,Plg53.0000°,Azm285.0000°; N -0.3620,Plg33.0000°,Azm135.0000°
; P -1.2790,Plg15.0000°,Azm36.0000° $M_0$1.46000×10^{17}

ISC VIII 14 21 47 33.6–.58 56.7S–.10 26.2W–.10 35 4.6b 37 6-152
IDC VIII 14 21 47 29.0–.82 56.80S 26.62W 0 4.1b,4.1 **¶621013569**
NEIC VIII 14 21 47 33.1–1.3 56.6S–.10 26.1W–.20 35–2 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 22 16 05.5–.96 58.5S–.20 25.1W–.30 10 3.8b 7 16-153
IDC VIII 14 22 16 04.3–1.0 58.46S 25.29W 0 3.9L,3.9b **¶620995990**
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=26.7km az=75.0.
ISC VIII 14 22 17 04.0–.43 58.07S–.08 25.32W–.09 35 4.4b 49 7-175
IDC VIII 14 22 16 59.7–.62 57.84S 25.15W 0 4.4L,4.2b **¶621013573**
NEIC VIII 14 22 17 04.0–1.9 58.2S–.10 25.3W–.20 40–8 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 23 53 43.6–.38 59.22S–.05 25.14W–.07 34–1 4.9b,3.9s 258 8-158
IDC VIII 14 23 53 38.8–.43 59.11S 25.15W 0 4.5L,4.5b **¶620987261**
NEIC VIII 14 23 53 43.9–1.4 59.16S–.09 25.1W–.20 35–1 5.0b,4.5b
GFZ VIII 14 23 53 45.1–.34 60S–6.0 26W–6.0 40–3 5.3,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 14 20 34 42.9–.71 59.9S–.10 26.3W–.10 26 4.4b 27 13-153
IDC VIII 14 20 34 40.0–1.0 59.66S 26.54W 0 4.8L,4.4 **¶620995973**
NEIC VIII 14 20 34 44.4–1.2 59.9S–.10 26.4W–.10 35–2 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 21 51 18.8–1.0 56.5S–.20 25.2W–.30 40 4.2b 6 34-151
IDC VIII 14 21 51 12.8–1.1 56.43S 25.10W 0 3.9b,3.9 **¶621013570**
ISC Event type se.
IDC Error ellipse: s-maj=46.8km s-min=26.8km az=79.0.
ISC VIII 14 21 53 30.5–1.4 60.2S–.10 26.0W–.40 10 8 13-150
IDC VIII 14 21 53 28.7–1.5 60.22S 26.83W 0 3.9L,3.9b **¶620996133**
ISC Event type se.
IDC Error ellipse: s-maj=78.5km s-min=24.5km az=92.0.
ISC VIII 14 20 36 40.6–1.9 58.0S–.20 24.4W–.70 24 6 14-152
IDC VIII 14 20 36 37.1–2.2 57.82S 24.56W 0 3.8b,3.8 **¶621013555**
ISC Event type se.
IDC Error ellipse: s-maj=114.7km s-min=88.8km az=129.0.
ISC VIII 14 21 57 14.8–.29 56.54S–.06 25.82W–.07 10 5.2b,4.9s 223 6-154
IDC VIII 14 21 57 12.9–.46 56.45S 25.62W 0 4.6b,4.6 **¶620986820**
NEIC VIII 14 21 57 15.2–1.2 56.58S–.09 25.8W–.20 12–3 5.1b,4.6
GFZ VIII 14 21 57 16.2–.34 57S–6.0 26W–8.0 10 5.6,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC VIII 14 20 38 23.7–1.8 59.08S 25.32W 0 4.1b,4.0
¶621013556
IDC Error ellipse: s-maj=86.4km s-min=36.8km az=77.0.
ISC VIII 15 03 49 12.5–.72 58.6S–.10 23.3W–.10 10 4.2b 25 8-153
IDC VIII 15 03 49 11.2–.82 58.46S 23.50W 0 3.9b,3.9 **¶621023535**
NEIC VIII 15 03 49 13.4–2.2 58.61S–.10 23.7W–.40 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 20 43 16.6–.89 57.0S–.10 25.0W–.20 22 4.2b 20 20-152
IDC VIII 14 20 43 13.0–.97 56.88S 24.51W 0 3.9b,3.9 **¶621013557**
NEIC VIII 14 20 43 20.0–1.2 57.16S–.10 25.4W–.40 35–2 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 02 07 20.7–.39 58.09S–.06 25.30W–.09 35 4.6b 88 7-155
IDC VIII 15 02 07 15.5–.51 57.97S 25.20W 0 4.8L,4.4b **¶621023523**
NEIC VIII 15 02 07 21.0–2.1 58.08S–.10 25.0W–.20 35–1 4.6b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 22 27 15.7–.33 59.19S–.06 25.17W–.07 35 4.7b,4.0s 129 8-162
IDC VIII 14 22 27 10.3–.48 59.15S 25.25W 0 4.3b,4.3 **¶620996079**
NEIC VIII 14 22 27 15.8–1.5 59.21S–.09 25.23W–.03 36–6 4.9b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 22 31 29.5–.46 56.52S–.08 25.65W–.10 29 4.9b,3.9s 53 7-153
IDC VIII 14 22 31 25.2–.72 56.44S 25.65W 0 4.4b,4.3 **¶620996105**
NEIC VIII 14 22 31 28.1–1.0 56.57S–.08 25.6W–.10 17–4 4.9b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 14 22 39 12.7–1.5 58.21S 25.29W 0 4.1L,3.9
¶621013577
IDC Error ellipse: s-maj=56.6km s-min=38.4km az=59.0.
IDC VIII 15 00 00 29.4–1.4 58.67S 24.89W 0 3.8L,3.7b
¶621023502
IDC Error ellipse: s-maj=81.1km s-min=29.6km az=89.0.
ISC VIII 15 00 14 26.4–.47 58.42S–.08 23.93W–.10 10 4.3b,3.6s 48 16-153
IDC VIII 15 00 14 25.1–.59 58.35S 23.94W 0 4.3b,4.3 **¶621023503**
NEIC VIII 15 00 14 26.6–.95 58.43S–.08 23.9W–.20 10–1 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 03 58 36.0–.42 58.69S–.08 25.2W–.10 28 4.6b 97 8-154
IDC VIII 15 03 58 31.7–.50 58.66S 25.39W 0 4.6L,4.3b **¶621023537**
NEIC VIII 15 03 58 37.2–1.0 58.7S–.10 25.1W–.20 35–2 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 02 17 53.5–1.1 57.5S–.20 24.6W–.20 35 3.9b,3.6s 8 17-152
IDC VIII 15 02 17 52.1–.73 57.68S 25.28W 0 4.4L,4.0 **¶621023524**
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=19.1km az=76.0.
ISC VIII 14 22 41 38.5–.31 58.00S–.06 25.18W–.07 10 4.8b,3.9s 185 7-153
IDC VIII 14 22 41 37.1–.42 57.99S 25.15W 0 4.6b,4.6 **¶620996024**
NEIC VIII 14 22 41 39.5–1.3 58.05S–.09 25.2W–.20 16–3 5.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 15 04 01 57.9–1.2 58.69S 23.94W 0 4.3L,4.2b
¶621023539
IDC Error ellipse: s-maj=38.5km s-min=32.1km az=45.0.
IDC VIII 15 00 31 53.3–1.3 57.98S 25.54W 0 3.8,3.7L
¶621023504
IDC Error ellipse: s-maj=73.2km s-min=30.1km az=92.0.
ISC VIII 15 04 17 45.7–.48 57.86S–.07 25.03W–.08 40 4.6b,4.0s 55 7-152
IDC VIII 15 04 17 39.8–.56 57.71S 24.98W 0 4.3b,4.3 **¶621023540**
NEIC VIII 15 04 17 45.8–2.4 57.89S–.10 24.9W–.20 35–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 00 38 25.7–.40 57.82S–.08 23.42W–.08 16 4.7b,3.8s 84 8-153
IDC VIII 15 00 38 23.1–.54 57.75S 23.35W 0 4.8L,4.4b **¶621023505**
NEIC VIII 15 00 38 25.2–1.8 57.8S–.10 23.5W–.20 10–1 4.8b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 04 22 52.3–.64 58.6S–.10 23.7W–.10 10 4.0b 21 16-153
NEIC VIII 15 04 22 52.0–2.7 58.6S–.10 23.5W–.30 10–1 4.3b **¶621023541**
IDC VIII 15 04 22 51.2–.83 58.50S 23.87W 0 4.7L,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=20.5km az=241.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.6km s-min=21.9km az=44.0.
ISC VIII 15 04 34 14.4–.71 59.7S–.10 26.8W–.20 30 4.2b 30 8-153
IDC VIII 15 04 34 10.7–.91 59.63S 27.16W 0 4.6L,4.2 **¶621023542**
NEIC VIII 15 04 34 15.1–1.9 59.7S–.10 26.6W–.30 35–2 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 22 53 11.7–.69 55.4S–.10 27.2W–.10 25 4.1b 27 5-151
IDC VIII 14 22 53 08.3–.80 55.29S 26.84W 0 4.0b,4.0 **¶621013579**
NEIC VIII 14 22 53 10.3–1.4 55.5S–.10 27.4W–.30 10–1 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 04 40 30.4–1.1 57.4S–.20 25.4W–.20 43 3.9b 7 33-152
IDC VIII 15 04 40 24.3–1.1 57.32S 25.34W 0 3.9b,3.9 **¶621023544**
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=22.8km az=71.0.
ISC VIII 15 00 42 59.0–.49 60.40S–.08 26.60W–.10 20 4.4b 42 8-153
IDC VIII 15 00 42 56.7–.69 60.33S 26.84W 0 4.5L,4.2 **¶621023506**
NEIC VIII 15 00 42 57.4–1.6 60.4S–.10 26.7W–.30 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 00 45 37.6–.77 57.1S–.10 25.3W–.20 35 4.4b 20 17-152
IDC VIII 15 00 45 32.7–1.0 56.95S 25.27W 0 4.0b,4.0 **¶621023507**
NEIC VIII 15 00 45 37.7–1.5 57.2S–.10 25.3W–.20 35–2 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 04 57 06.6–.89 58.2S–.10 23.8W–.20 10 4.0b 10 16-153
IDC VIII 15 04 57 05.4–.82 58.15S 23.97W 0 4.3L,4.1 **¶621023546**
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=21.2km az=82.0.
ISC VIII 15 00 47 29.6–.74 57.1S–.10 25.1W–.10 22 4.4b 25 17-152
IDC VIII 15 00 47 26.8–1.0 56.94S 24.94W 0 4.2b,4.2 **¶621023508**
NEIC VIII 15 00 47 32.0–1.5 57.19S–.08 25.2W–.30 35–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 23 05 35.6–.74 59.5S–.10 24.7W–.10 10 4.3b 18 8-153
IDC VIII 14 23 05 34.7–1.3 59.24S 24.91W 0 4.2L,4.2s **¶620995924**
NEIC VIII 14 23 05 34.8–1.7 59.7S–.10 24.6W–.20 10–2 4.3b,4.2s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 04 59 35.0–.47 56.67S–.09 26.5W–.10 88 4.3b 46 6-152
IDC VIII 15 04 59 24.3–.60 56.56S 26.32W 0 4.4b,4.3 **¶621023547**
NEIC VIII 15 04 59 32.7–.75 56.6S–.10 26.3W–.20 63–5 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 23 20 37.5–1.4 59.3S–.20 24.5W–.50 10 7 13-153
IDC VIII 14 23 20 35.0–1.3 59.12S 24.94W 0 4.0,3.9b **¶621013580**
ISC Event type se.
IDC Error ellipse: s-maj=71.8km s-min=28.2km az=87.0.
IDC VIII 15 00 50 01.2–1.9 57.52S 23.50W 0 3.7b,3.7
¶621023509
IDC Error ellipse: s-maj=91.8km s-min=50.7km az=9.0.
ISC VIII 15 05 36 17.7–.62 57.90S–.10 23.8W–.10 10 4.3b 28 16-153
IDC VIII 15 05 36 17.0–.82 57.83S 23.83W 0 4.2,4.1b **¶621023551**
NEIC VIII 15 05 36 17.6–.90 57.9S–.10 23.8W–.20 10–2 4.1b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 14 23 31 57.3–1.4 59.22S 24.61W 0 5.0L,4.1
¶620996142
IDC Error ellipse: s-maj=58.4km s-min=28.4km az=128.0.
ISC VIII 14 23 36 19.0–.34 57.87S–.07 23.65W–.08 16 4.7b,3.9s 98 8-153
IDC VIII 14 23 36 16.9–.44 57.79S 23.65W 0 4.6L,4.4b **¶620995945**
NEIC VIII 14 23 36 18.2–1.2 57.90S–.10 23.6W–.10 10–1 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 05 49 10.7–.43 58.60S–.06 25.14W–.07 36–3 5.0b,4.6s 267 8-153
IDC VIII 15 05 49 05.4–.40 58.47S 25.13W 0 5.1L,4.9 **¶620986844**
GFZ VIII 15 05 49 11.7–.41 59S–3.0 25W–3.0 44–4 5.3,5.1b
NEIC VIII 15 05 49 11.8–.51 58.61S–.10 25.1W–.20 51–6 5.1b,5.1b
GCMT VIII 15 05 49 13.1–.20 58.71S–.01 24.47W–.02 30–0 5.2W,5.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108150549A. Moment Tensor Solution. s70,c109; s114,c178;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.03 $M_{\theta\theta}$0.23±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$-0.10±.03; $M_{\theta\phi}$-0.03±.01; $M_{\phi r}$0.29±.02; Best double couple: NP1: ϕ_s193.00000°,δ36.00000°,λ108.00000°. NP2:ϕ_e351.00000°,δ56.00000°,λ77.00000°. Principal axes: T 0.7710,Plg75.0000°,Azm223.0000°; N 0.2120,Plg11.0000°,Azm359.0000° ; P -0.9820,Plg10.0000°,Azm90.0000° $M_0$0.87700×10^{17}
ISC VIII 14 23 37 40.2–.67 58.0S–.10 23.58W–.09 16 4.5b 23 8-153
IDC VIII 14 23 37 39.4–1.1 57.67S 23.77W 0 4.4b,4.4 **¶621013583**
NEIC VIII 14 23 37 39.6–1.9 58.0S–.20 23.64W–.09 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 23 49 41.8–.99 59.7S–.10 25.9W–.20 40 3.7b 10 13-150
IDC VIII 14 23 49 36.4–1.1 59.63S 25.98W 0 4.1L,3.8b **¶621013584**
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=22.5km az=65.0.
ISC VIII 15 01 42 41.4–.81 57.5S–.20 24.9W–.20 15 4.3b 11 17-152
IDC VIII 15 01 42 39.6–.77 57.36S 24.93W 0 4.3b,4.3 **¶621023512**
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=20.1km az=58.0.
ISC VIII 15 01 52 36.4–.59 60.4S–.10 25.2W–.10 11 4.3b,4.1s 34 14-154
IDC VIII 15 01 52 35.3–.69 60.38S 25.28W 0 4.5L,4.3b **¶621023514**
NEIC VIII 15 01 52 36.2–1.8 60.4S–.10 25.2W–.30 10–1 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 03 18 02.7–.73 56.5S–.10 25.2W–.10 40 4.3b 29 18-151
IDC VIII 15 03 17 57.1–.83 56.39S 25.25W 0 4.1b,4.1 **¶621023527**
NEIC VIII 15 03 17 59.2–1.6 56.6S–.20 25.2W–.30 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 05 55 28.8–.63 56.42S–.09 25.9W–.10 35 4.5b 43 6-151
IDC VIII 15 05 55 23.4–.81 56.35S 25.50W 0 4.3b,4.2 **¶621023554**
NEIC VIII 15 05 55 29.6–.80 56.5S–.10 26.0W–.20 38–11 4.5b,4.2
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 01 53 14.2–.47 57.76S–.09 23.62W–.09 10 4.7b 43 8-153
IDC VIII 15 01 53 12.9–.54 57.65S 23.57W 0 4.7L,4.5b **¶621023515**
NEIC VIII 15 01 53 14.6–2.0 57.8S–.10 23.6W–.10 10–1 4.7b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 01 53 23.5–.96 57.7S–.10 23.3W–.30 10 4.3b 12 16-153
IDC VIII 15 01 53 22.1–.88 57.66S 23.37W 0 4.8L,4.4b **¶621023518**
ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=24.4km az=87.0.
ISC VIII 15 01 54 19.3–1.0 57.6S–.20 23.7W–.20 10 7 17-153
IDC VIII 15 01 54 18.0–1.1 57.51S 23.78W 0 4.4,4.3b **¶621023521**
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=26.4km az=120.0.
ISC VIII 15 05 58 14.1–.67 59.9S–.10 24.4W–.10 10 4.1b 20 15-149
IDC VIII 15 05 58 13.0–1.2 59.54S 24.04W 0 4.2b,4.2 **¶621023555**
NEIC VIII 15 05 58 14.9–.95 60.0S–.10 24.5W–.30 10–1 4.1b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 07 12 46.4–.52 59.65S–.08 25.95W–.09 40 4.1b 47 8-153
IDC VIII 15 07 12 41.4–.73 59.57S 26.02W 0 4.5L,4.0b **¶621023563**
NEIC VIII 15 07 12 46.3–1.3 59.64S–.08 25.9W–.10 38–8 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 06 32 02.5–.71 58.6S–.10 25.4W–.10 38 4.1b 25 8-153
IDC VIII 15 06 31 58.1–1.3 58.40S 25.39W 0 4.5L,4.0 **¶621023556**
NEIC VIII 15 06 32 02.0–1.1 58.5S–.10 25.2W–.30 33–6 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 07 34 00.9–.54 58.61S–.09 23.6W–.10 10 4.1b 39 16-153
NEIC VIII 15 07 34 01.0–1.0 58.63S–.10 23.6W–.10 10–1 4.2b **¶621023565**
IDC VIII 15 07 34 00.1–.72 58.54S 23.60W 0 4.6L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=8.7km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.9km s-min=18.9km az=80.0.
ISC VIII 15 02 01 38.6–.27 59.92S–.06 26.38W–.06 26 5.0b,4.1s 246 8-173
IDC VIII 15 02 01 34.3–.37 59.88S 26.28W 0 5.0L,4.8b **¶620986836**
GFZ VIII 15 02 01 37.1–.28 60S–6.0 26W–6.0 10 5.2b,5.2
NEIC VIII 15 02 01 40.2–1.1 59.95S–.09 26.5W–.20 35–1 5.0b,5.2
GCMT VIII 15 02 01 41.1–.40 60.15S–.03 26.44W–.07 18–1 5.0W,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108150201A. Moment Tensor Solution. s24,c27; s72,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.33±.27 $M_{\theta\theta}$2.63±.20; $M_{\phi\phi}$0.70±.17; $M_{r\theta}$2.63±.46; $M_{\theta\phi}$-1.19±.10; $M_{\phi r}$2.96±.49; Best double couple: NP1:ϕ_s128.00000°,δ34.00000° ,λ-40.00000°. NP2:ϕ_s253.00000°,δ69.00000°,λ-117.00000°. Principal axes: T 3.6270,Plg20.0000°,Azm2.0000°; N 2.2470,Plg25.0000°,Azm263.0000° ; P -5.8720,Plg57.0000°,Azm126.0000° M_o4.75000×10^{16}
ISC VIII 15 03 28 16.1–1.3 57.6S–.20 23.8W–.30 10 7 17-153
IDC VIII 15 03 28 14.7–1.2 57.51S 23.99W 0 4.2L,4.1b **¶621023530**
ISC Event type se.
IDC Error ellipse: s-maj=50.6km s-min=28.6km az=96.0.
ISC VIII 15 06 32 42.4–.49 58.92S–.08 25.40W–.09 35 4.2b 51 8-153
IDC VIII 15 06 32 38.0–.72 58.81S 25.52W 0 4.4L,4.3 **¶621023559**
NEIC VIII 15 06 32 42.7–1.1 58.9S–.10 25.4W–.20 35–2 4.2b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 06 52 40.3–.80 58.8S–.10 24.8W–.10 10 4.0b 25 8-153
NEIC VIII 15 06 52 39.0–1.2 58.67S–.08 24.5W–.30 10–1 4.1b **¶621023560**
IDC VIII 15 06 52 40.3–1.2 58.63S 25.62W 0 4.1,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=7.8km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.1km s-min=24.4km az=91.0.
ISC VIII 15 03 32 22.5–.42 58.38S–.09 23.93W–.09 10 5.0s,4.7b 59 16-157
IDC VIII 15 03 32 21.4–.48 58.38S 23.93W 0 4.6s,4.5b **¶621023532**
NEIC VIII 15 03 32 22.8–1.8 58.36S–.10 23.9W–.10 10–1 4.8b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 03 38 00.3–.50 58.68S–.08 25.01W–.09 28 4.5b 45 8-153
IDC VIII 15 03 37 56.4–.77 58.53S 25.12W 0 4.5L,4.3b **¶621023534**
NEIC VIII 15 03 38 01.4–1.6 58.69S–.10 25.0W–.20 35–2 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 07 44 21.1–.34 58.84S–.06 24.64W–.07 10 4.9b,4.1s 215 8-153
NEIC VIII 15 07 44 20.7–1.0 58.81S–.07 24.7W–.20 10–1 5.0b,4.1s **¶620986846**
IDC VIII 15 07 44 20.1–.47 58.72S 24.88W 0 4.7b,4.7
GFZ VIII 15 07 44 25.8–.42 59S–4.0 25W–4.0 52–4 5.0b,5.0
GCMT VIII 15 07 44 26.5–.40 59.20S–.04 24.16W–.04 24–1 4.9W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108150744A. Moment Tensor Solution. s18,c20; s73,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.02±.23 $M_{\theta\theta}$-0.28±.14; $M_{\phi\phi}$-2.74±.14; $M_{r\theta}$0.73±.20; $M_{\theta\phi}$0.02±.07; $M_{\phi r}$0.45±.15; Best double couple: NP1:ϕ_s168.00000°,δ42.00000° ,λ72.00000°. NP2:ϕ_s12.00000°,δ51.00000°,λ105.00000°. Principal axes: T 3.2080,Plg77.0000°,Azm340.0000°; N -0.4360,Plg12.0000°,Azm182.0000° ; P -2.7750,Plg5.0000°,Azm91.0000° M_o2.99200×10^{16}
ISC VIII 15 07 02 50.0–.69 59.6S–.10 26.0W–.10 40 4.2b,3.5s 38 9-153
IDC VIII 15 07 02 44.7–.79 59.52S 26.09W 0 4.7L,4.2 **¶621023562**
NEIC VIII 15 07 02 49.0–1.4 59.5S–.10 25.9W–.20 32–8 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 02 05 29.9–.96 56.9S–.20 24.7W–.30 10 3.9b 7 17-152
IDC VIII 15 02 05 28.8–1.1 56.88S 24.67W 0 4.1b,4.0 **¶621023522**
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=26.7km az=61.0.
ISC VIII 15 12 20 55.2–.60 58.26S–.09 25.7W–.10 50 4.1b 34 7-152
NEIC VIII 15 12 20 54.8–1.1 58.3S–.10 25.6W–.20 48–5 4.1b **¶621023602**
IDC VIII 15 12 20 55.5–6.1 58.19S 25.50W 45–57 4.2L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.1km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.7km s-min=19.4km az=64.0.
ISC VIII 15 09 23 03.5–1.0 57.7S–.20 25.5W–.30 43 3.9b 7 17-152
IDC VIII 15 09 22 57.9–1.1 57.63S 25.53W 0 4.2L,4.2s **¶621023578**
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=23.1km az=65.0.
ISC VIII 15 09 26 09.4–.56 59.64S–.09 26.1W–.10 40 4.2b,3.3s 47 9-153
IDC VIII 15 09 26 04.3–.63 59.56S 26.10W 0 4.8L,4.2b **¶621023580**
NEIC VIII 15 09 26 09.9–.51 59.6S–.10 26.0W–.20 46–9 4.2b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 07 50 47.8–.38 58.89S–.07 23.70W–.07 10 4.6b,4.0s 102 8-157
IDC VIII 15 07 50 46.0–.53 58.69S 23.78W 0 4.6L,4.5b **¶621023566**
NEIC VIII 15 07 50 47.6–.94 58.89S–.10 23.6W–.20 10–1 4.6b,4.5b
GFZ VIII 15 07 50 48.2–.19 59S–4.0 24W–3.0 10 6.7b,6.5
GCMT VIII 15 07 50 51.6–.30 59.05S–.04 23.44W–.06 20–1 4.9W,6.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108150750A. Moment Tensor Solution. s22,c24; s82,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.00±.23 $M_{\theta\theta}$0.93±.14; $M_{\phi\phi}$2.07±.15; $M_{r\theta}$-0.41±.29; $M_{\theta\phi}$0.70±.07; $M_{\phi r}$1.16±.29; Best double couple: NP1:ϕ_s35.00000°,δ37.00000° ,λ-71.00000°. NP2:ϕ_s191.00000°,δ56.00000°,λ-104.00000°. Principal axes: T 2.5490,Plg10.0000°,Azm291.0000°; N 0.7740,Plg11.0000°,Azm199.0000° ; P -3.3240,Plg75.0000°,Azm60.0000° M_o2.93600×10^{16}
ISC VIII 15 08 01 27.4–.54 60.52S–.09 24.4W–.10 10 4.2b 31 14-154
IDC VIII 15 08 01 26.3–.73 60.57S 24.40W 0 4.1L,4.1b **¶621023568**
NEIC VIII 15 08 01 27.3–.80 60.51S–.08 24.3W–.20 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 12 25 30.9–1.3 58.7S–.20 25.0W–.30 28 6 16-153
IDC VIII 15 12 25 26.7–1.3 58.49S 25.24W 0 4.1L,4.0b **¶621023604**
ISC Event type se.
IDC Error ellipse: s-maj=48.0km s-min=29.8km az=93.0.
ISC VIII 15 10 43 59.3–.39 57.83S–.08 24.80W–.08 40 4.6b 95 7-153
IDC VIII 15 10 43 53.9–.47 57.73S 24.82W 0 4.5b,4.5 **¶621023590**
NEIC VIII 15 10 43 59.6–1.2 57.8S–.10 24.8W–.20 44–7 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 12 44 42.4–.39 56.41S–.07 25.47W–.07 29 5.0b,4.4s 183 7-151
IDC VIII 15 12 44 38.5–.54 56.34S 25.32W 0 4.7b,4.7 **¶620986905**
NEIC VIII 15 12 44 39.0–1.5 56.42S–.06 25.4W–.10 10–1 5.0b,4.7
GFZ VIII 15 12 44 41.4–.28 57S–4.0 26W–5.0 10 5.3,5.1b
GCMT VIII 15 12 44 47.2–.30 56.44S–.03 25.20W–.03 14–1 4.9W,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108151244A. Moment Tensor Solution. s32,c33; s91,c120; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.85±.17 $M_{\theta\theta}$-1.05±.13; $M_{\phi\phi}$-1.81±.11; $M_{r\theta}$-0.43±.29; $M_{\theta\phi}$1.43±.07; $M_{\phi r}$0.92±.23; Best double couple: NP1:ϕ_s138.00000°,δ36.00000° ,λ83.00000°. NP2:ϕ_s327.00000°,δ55.00000°,λ95.00000°. Principal axes: T 3.0300,Plg80.0000°,Azm256.0000°; N 0.0340,Plg4.0000°,Azm144.0000° ; P -3.0740,Plg9.0000°,Azm53.0000° M_o3.05200×10^{16}
ISC VIII 15 10 50 45.3–1.0 57.6S–.20 24.8W–.30 15 3.9b 7 17-152
IDC VIII 15 10 50 43.1–1.2 57.56S 24.91W 0 3.8L,3.8b **¶621023593**
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=23.2km az=69.0.
ISC VIII 15 09 37 12.5–1.1 57.3S–.10 24.9W–.20 15 3.9b 9 20-152
IDC VIII 15 09 37 10.2–1.1 57.30S 24.86W 0 3.9b,3.9 **¶621023582**
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=20.7km az=73.0.
IDC VIII 15 09 57 10.9–1.6 58.24S 25.94W 0 4.0b,4.0 ¶621023583
IDC Error ellipse: s-maj=60.8km s-min=31.0km az=53.0.
ISC VIII 15 09 57 43.0–.77 57.2S–.10 25.1W–.20 22 3.9b 11 17-152
IDC VIII 15 09 57 39.6–.75 57.22S 25.03W 0 4.1b,4.1 **¶621023586**
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=18.7km az=69.0.
ISC VIII 15 08 04 34.1–.58 56.37S–.09 25.48W–.09 29 4.5b,3.7s 58 11-151
IDC VIII 15 08 04 30.4–.86 56.26S 25.21W 0 4.1b,4.1 **¶621023569**
NEIC VIII 15 08 04 31.5–1.2 56.39S–.07 25.4W–.20 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 08 10 01.8–.56 58.75S–.10 23.64W–.09 10 4.1b,3.6s 38 8-153
NEIC VIII 15 08 10 01.9–1.2 58.7S–.10 23.55W–.07 10–1 4.2b,3.6s **¶621023572**
IDC VIII 15 08 10 01.2–.78 58.77S 23.83W 0 4.4L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=6.3km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.6km s-min=19.3km az=45.0.
ISC VIII 15 08 11 33.9–1.1 59.7S–.10 26.0W–.20 35 4.3b 32 8-153
IDC VIII 15 08 11 31.3–1.1 59.77S 26.97W 0 4.2,4.1b **¶621023573**
NEIC VIII 15 08 11 33.7–1.2 59.6S–.10 25.8W–.30 35–2 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 13 19 28.7–.52 59.66S–.09 24.05W–.09 10 4.4b,3.5s 47 9-154
IDC VIII 15 13 19 27.4–.61 59.63S 24.13W 0 4.4L,4.1b **¶621023609**
NEIC VIII 15 13 19 29.0–1.5 59.6S–.10 24.1W–.20 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 08 36 00.8–.70 59.2S–.10 25.4W–.10 35 4.2b 31 8-153
IDC VIII 15 08 35 56.6–1.1 59.00S 25.72W 0 4.8L,4.0 **¶621023574**
NEIC VIII 15 08 35 59.4–1.0 59.11S–.07 25.1W–.20 28–8 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 08 50 17.0–.85 59.8S–.20 27.0W–.20 34 3.8b 11 18-153
IDC VIII 15 08 50 11.6–.88 59.81S 26.82W 0 4.2L,3.9b **¶621023575**
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=24.6km az=58.0.
ISC VIII 15 11 04 59.8–.60 58.9S–.10 23.8W–.10 10 4.3b 31 8-153
IDC VIII 15 11 04 58.6–.77 58.76S 23.93W 0 4.8L,4.2 **¶621023595**
NEIC VIII 15 11 04 59.7–1.3 58.9S–.10 23.7W–.20 10–1 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 10 02 17.4–.66 56.6S–.10 25.4W–.10 29 4.4b,3.8s 34 7-151
IDC VIII 15 10 02 13.2–.78 56.51S 25.30W 0 4.2b,4.2 **¶621023587**
NEIC VIII 15 10 02 14.6–.71 56.58S–.08 25.3W–.30 10–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 10 21 56.4–.00 58.2S–.20 23.9W–.30 10 3.8b 7 32-153
IDC VIII 15 10 21 54.9–.93 58.18S 23.84W 0 3.8b,3.8 **¶621023589**
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=26.9km az=92.0.
ISC VIII 15 13 34 34.0–.88 58.5S–.10 23.3W–.10 10 15 8-153
IDC VIII 15 13 34 33.5–1.4 58.38S 23.16W 0 3.9b,3.9 **¶621023610**
NEIC VIII 15 13 34 34.3–1.7 58.4S–.10 23.4W–.30 10–2 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 08 52 16.0–.40 58.67S–.08 23.70W–.08 10 4.7b,3.7s 72 8-153
IDC VIII 15 08 52 15.3–.50 58.57S 23.67W 0 4.2b,4.2 **¶621023576**
NEIC VIII 15 08 52 16.1–.97 58.7S–.10 23.7W–.10 10–1 4.8b,4.2
GCMT VIII 15 08 52 21.4–.40 58.99S–.04 23.17W–.05 22–1 4.9W,4.2
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108150852A. Moment Tensor Solution. s12,c15; s69,c87; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.23±.22 $M_{\theta\theta}$0.34±.14; $M_{\phi\phi}$1.89±.14; $M_{r\theta}$-1.22±.29; $M_{\theta\phi}$0.85±.09; $M_{\phi r}$0.48±.19; Best double couple: NP1:ϕ_s181.00000°,δ49.00000°,λ-124.00000°. NP2:ϕ_s47.00000°,δ51.00000°,λ-57.00000°. Principal axes: T 2.2640,Plg1.0000°,Azm114.0000°; N 0.5800,Plg25.0000°,Azm205.0000°; P -2.8430,Plg65.0000°,Azm23.0000° M_o2.55300×10^{16}

ISC	**VIII**	**15 13 37 59.1–.56**	**58.77S–.09**	**23.60W–.09**	**10**	**4.5b**	**33**	**8-153**	
IDC	VIII	15 13 37 57.4–.79	58.77S	23.88W	0	4.2L,4.1b			**¶621023612**
NEIC	VIII	15 13 37 59.2–1.1	58.75S–.09	23.5W–.20	10–1	4.5b,4.1b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 09 03 42.8–.47**	**57.56S–.09**	**23.75W–.09**	**10**	**4.5b,3.5s**	**43**	**8-153**	
IDC	VIII	15 09 03 41.6–.61	57.46S	23.82W	0	4.2b,4.2			**¶621023577**
NEIC	VIII	15 09 03 42.8–1.2	57.61S–.09	23.7W–.20	10–1	4.5b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 11 26 35.8–.31**	**57.82S–.05**	**25.29W–.06**	**35**	**5.0b,4.1s**	**249**	**7-175**	
IDC	VIII	15 11 26 30.6–.39	57.71S	25.29W	0	4.9b,4.9			**¶620986902**
GFZ	VIII	15 11 26 33.3–.33	58S–5.0	25W–6.0	10	5.1b,5.1			
NEIC	VIII	15 11 26 37.2–1.7	57.82S–.09	25.4W–.10	48–6	5.0b,5.1			
GCMT	VIII	15 11 26 38.9–.40	57.93S–.04	24.90W–.04	34–1	5.0W,5.1			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108151126A. Moment Tensor Solution. s33,c38; s48,c62; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.05±.26 $M_{\theta\theta}$0.09±.21; $M_{\theta\phi}$-3.13±.16; $M_{r\theta}$0.62±.26; $M_{\theta\theta}$0.84±.10; $M_{\phi r}$1.55±.17; Best double couple: NP1:ϕ_s150.00000°,δ36.00000°,λ63.00000°. NP2:ϕ_s2.00000°,δ59.00000°,λ108.00000°. Principal axes: T 3.6010,Plg71.0000°,Azm313.0000°; N 0.0250,Plg15.0000°,Azm173.0000°; P -3.6210,Plg12.0000°,Azm79.0000° M_o3.61100×10^{16}

ISC	**VIII**	**15 10 31 34.6–.54**	**57.77S–.05**	**25.43W–.06**	**45–4**	**5.4b,4.8s**	**420**	**7-175**	
IDC	VIII	15 10 31 28.1–.37	57.70S	25.43W	0	5.1L,5.1b			**¶620986899**
NEIC	VIII	15 10 31 32.5–1.3	57.82S–.09	25.5W–.10	30–3	5.4b,5.4			
GFZ	VIII	15 10 31 35.0–.14	58S–3.0	25W–3.0	46	5.6,5.4b			
GCMT	VIII	15 10 31 36.6–.10	57.82S–.01	24.72W–.01	40–0	5.4W,5.4b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108151031A. Moment Tensor Solution. s123,c214; s139,c233;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.28±.02 $M_{\theta\theta}$0.04±.02; $M_{\phi\phi}$-1.32±.02; $M_{r\theta}$-0.03±.02; $M_{\theta\phi}$0.33±.01; $M_{\phi r}$0.60±.02; Best double couple: NP1: ϕ_s162.00000°,δ33.00000°,λ82.00000°. NP2:ϕ_s351.00000°,δ57.00000°,λ95.00000°. Principal axes: T 1.4130,Plg77.0000°,Azm278.0000°; N 0.1040,Plg4.0000°,Azm169.0000°; P -1.5220,Plg12.0000°,Azm78.0000° M_o1.46800×10^{17}

ISC	**VIII**	**15 13 44 26.4–.77**	**60.3S–.10**	**30.5W–.10**	**10**	**4.3b**	**17**	**7-152**	
IDC	VIII	15 13 44 25.7–1.1	59.95S	30.16W	0	4.6L,4.3			**¶621023613**
NEIC	VIII	15 13 44 26.0–.97	60.4S–.10	30.4W–.30	10–1	4.5b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 14 23 01.2–.47**	**57.15S–.07**	**25.04W–.08**	**22**	**4.6b,3.8s**	**54**	**7-152**	
IDC	VIII	15 14 22 58.3–.57	57.13S	24.78W	0	4.6L,4.5b			**¶621023618**
NEIC	VIII	15 14 22 60.0–1.7	57.19S–.10	25.0W–.20	10–1	4.7b,4.5b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 16 04 54.5–.88**	**59.8S–.10**	**24.0W–.10**	**10**	**4.0b**	**16**	**9-154**	
IDC	VIII	15 16 04 51.7–1.3	59.65S	25.66W	0	4.4L,4.0			**¶621023624**
NEIC	VIII	15 16 04 54.8–1.1	59.8S–.10	24.0W–.30	10–2	4.4b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**15 11 28 01.7–2.4**	**59.65S**	**24.01W**	**0**	**4.2b,4.2**			
									¶621023599

IDC Error ellipse: s-maj=97.5km s-min=42.6km az=171.0.

ISC	**VIII**	**15 15 04 03.5–.37**	**58.50S–.07**	**25.50W–.07**	**38**	**4.7b,3.9s**	**99**	**7-152**	
IDC	VIII	15 15 03 57.5–.50	58.44S	25.53W	0	4.4b,4.4			**¶621023621**
NEIC	VIII	15 15 04 05.3–.86	58.60S–.09	25.6W–.20	53–6	4.8b,4.4			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 16 07 08.9–.65**	**58.41S–.09**	**25.6W–.10**	**38**	**4.1b**	**28**	**7-152**	
IDC	VIII	15 16 07 03.3–.78	58.34S	25.71W	0	4.1b,4.0L			**¶621023626**
NEIC	VIII	15 16 07 09.0–1.2	58.4S–.10	25.5W–.20	38–5	4.2b,4.0L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 15 44 43.7–.82**	**60.6S–.10**	**24.8W–.10**	**10**	**4.0b**	**18**	**9-154**	
IDC	VIII	15 15 44 41.5–1.2	60.51S	26.26W	0	4.3L,4.1b			**¶621023622**
NEIC	VIII	15 15 44 43.4–.72	60.5S–.20	24.7W–.30	10–2	4.3b,4.1b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 16 21 30.9–.63**	**59.1S–.10**	**24.40W–.09**	**10**	**4.2b**	**21**	**10-153**	
NEIC	VIII	15 16 21 30.7–1.6	58.9S–.20	24.3W–.10	10–1	4.4b			**¶621023627**
IDC	VIII	15 16 21 30.3–.98	59.02S	24.58W	0	4.0L,3.9b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=10.1km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.8km s-min=26.0km az=32.0.

ISC	**VIII**	**15 11 42 35.5–.33**	**58.02S–.06**	**23.92W–.07**	**10**	**5.0b,4.0s**	**190**	**11-157**	
IDC	VIII	15 11 42 34.3–.45	57.88S	23.87W	0	4.7L,4.7b			**¶620986903**
NEIC	VIII	15 11 42 35.6–1.7	58.03S–.10	23.98W–.04	10–1	5.1b,4.7b			
GFZ	VIII	15 11 42 35.9–.26	58S–4.0	24W–5.0	10	5.0b,5.0			
GCMT	VIII	15 11 42 39.4–.30	58.02S–.04	23.33W–.03	12–1	4.9W,5.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108151142A. Moment Tensor Solution. s20,c24; s91,c126; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.45±.18 $M_{\theta\theta}$-0.02±.11; $M_{\phi\phi}$2.47±.12; $M_{r\theta}$0.83±.48; $M_{\theta\phi}$0.38±.08; $M_{\phi r}$0.28±.29; Best double couple: NP1:ϕ_s353.00000°,δ43.00000°,λ-114.00000°. NP2:ϕ_s205.00000°,δ52.00000°,λ-69.00000°. Principal axes: T 2.5600,Plg5.0000°,Azm280.0000°; N 0.1490,Plg16.0000°,Azm11.0000°; P -2.7090,Plg73.0000°,Azm174.0000° M_o2.63500×10^{16}

ISC	**VIII**	**15 11 44 42.4–.60**	**58.0S–.10**	**23.58W–.10**	**16**	**4.6b**	**43**	**8-153**	
NEIC	VIII	15 11 44 40.5–1.2	58.1S–.10	23.5W–.20	10–2	4.6b			**¶621023600**
IDC	VIII	15 11 44 41.2–.88	57.80S	23.74W	0	4.5b,4.5			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=17.2km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.9km s-min=27.6km az=123.0.

IDC	**VIII**	**15 17 44 48.3–1.2**	**57.88S**	**23.98W**	**0**	**4.3L,4.1b**			
									¶621023643

IDC Error ellipse: s-maj=50.5km s-min=34.9km az=61.0.

IDC	**VIII**	**15 20 27 10.7–1.7**	**58.41S**	**23.85W**	**0**	**3.9,3.8b**			
									¶621023659

IDC Error ellipse: s-maj=87.1km s-min=37.3km az=77.0.

ISC	**VIII**	**15 18 07 45.9–.99**	**57.6S–.20**	**23.7W–.30**	**10**	**3.8b**	**7**	**17-153**	
IDC	VIII	15 18 07 44.5–.96	57.51S	23.85W	0	3.9,3.8L			**¶621023644**

ISC Event type se.
IDC Error ellipse: s-maj=46.6km s-min=23.9km az=82.0.

IDC	**VIII**	**15 18 09 20.7–1.9**	**58.21S**	**25.36W**	**0**	**4.1L,4.0**			
									¶621023645

IDC Error ellipse: s-maj=94.4km s-min=41.5km az=77.0.

ISC	**VIII**	**15 18 10 49.5–.54**	**57.7S–.10**	**23.87W–.10**	**10**	**4.5b,3.6s**	**36**	**8-153**	
IDC	VIII	15 18 10 48.4–.71	57.55S	23.85W	0	4.3L,4.2			**¶621023646**
NEIC	VIII	15 18 10 52.4–1.4	57.7S–.10	23.9W–.20	31–5	4.6b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**15 18 15 52.4–1.8**	**58.16S**	**25.07W**	**0**	**4.4L,4.3**			
									¶621023647

IDC Error ellipse: s-maj=87.3km s-min=38.4km az=79.0.

ISC	**VIII**	**15 18 21 05.1–1.1**	**55.6S–.20**	**26.4W–.30**	**38**	**4.1b**	**6**	**21-150**	
IDC	VIII	15 18 20 59.4–1.1	55.56S	26.36W	0	4.0b,4.0			**¶621023648**

ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=24.4km az=92.0.

ISC	**VIII**	**15 16 34 51.1–.28**	**60.43S–.05**	**28.02W–.06**	**10**	**5.1b,4.9s**	**261**	**8-172**	
IDC	VIII	15 16 34 49.2–.43	60.17S	28.10W	0	4.9b,4.8			**¶620987269**
NEIC	VIII	15 16 34 51.4–1.2	60.36S–.09	28.1W–.20	10–1	5.4,5.2b			
BJI	VIII	15 16 34 52.0	60.40S	28.10W	10	5.3s,5.1b			
GFZ	VIII	15 16 34 52.2–.16	60S–3.0	28W–4.0	10	5.5W,5.3			
GCMT	VIII	15 16 34 55.5–.10	60.55S–.01	27.97W–.01	12	5.4W,5.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108151634A. Moment Tensor Solution. s96,c156; s145,c277;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.55±.02 $M_{\theta\theta}$-0.89±.02; $M_{\phi\phi}$1.44±.02; $M_{r\theta}$0.20±.04; $M_{\theta\phi}$-0.78±.01; $M_{\phi r}$0.33±.04; Best double couple: NP1: ϕ_s300.00000°,δ69.00000°,λ-168.00000°. NP2:ϕ_s205.00000°,δ79.00000°,λ-21.00000°. Principal axes: T 1.7050,Plg7.0000°,Azm254.0000°; N -0.4540,Plg66.0000°,Azm359.0000°; P -1.2480,Plg23.0000°,Azm161.0000° M_o1.47700×10^{17}

ISC	**VIII**	**15 20 57 40.5–.90**	**60.4S–.20**	**26.7W–.30**	**20**	**3.7b,3.6s**	**7**	**15-150**	
IDC	VIII	15 20 57 37.0–1.2	60.40S	26.55W	0	3.8b,3.8			**¶621023663**

ISC Event type se.
IDC Error ellipse: s-maj=45.6km s-min=30.1km az=68.0.

ISC	**VIII**	**15 16 52 35.4–.71**	**59.59S–.09**	**26.1W–.10**	**40**	**4.4b**	**38**	**8-153**	
IDC	VIII	15 16 52 30.0–.81	59.50S	26.17W	0	4.4L,4.1b			**¶621023629**
NEIC	VIII	15 16 52 36.0–.62	59.60S–.06	26.1W–.20	43–10	4.5b,4.1b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**15 16 53 38.2–1.4**	**59.09S**	**26.08W**	**0**	**4.3L,4.0**			
									¶621023630

IDC Error ellipse: s-maj=64.6km s-min=31.7km az=57.0.

ISC	**VIII**	**15 16 54 23.7–.54**	**60.25S–.09**	**27.6W–.10**	**35**	**4.4b,3.8s**	**36**	**15-172**	
IDC	VIII	15 16 54 17.8–.75	60.14S	27.95W	0	4.2b,4.2			**¶621023633**
NEIC	VIII	15 16 54 24.5–.96	60.3S–.10	27.6W–.30	35–1	4.5b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 18 45 28.5–1.1**	**57.3S–.20**	**25.5W–.30**	**43**	**3.9b**	**6**	**17-152**	
IDC	VIII	15 18 45 22.5–1.2	57.26S	25.71W	0	4.0L,3.7b			**¶621023652**

ISC Event type se.
IDC Error ellipse: s-maj=53.6km s-min=25.0km az=77.0.

ISC	**VIII**	**15 21 13 29.9–.61**	**57.3S–.10**	**24.8W–.10**	**15**	**4.4b**	**28**	**7-152**	
IDC	VIII	15 21 13 27.7–.79	57.34S	25.00W	0	4.3L,4.2b			**¶621023665**
NEIC	VIII	15 21 13 32.7–1.2	57.3S–.10	24.8W–.10	35–2	4.3b,4.2b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**15 18 50 47.1–1.7**	**57.94S**	**24.12W**	**0**	**4.1b,4.0**			
									¶621023653

IDC Error ellipse: s-maj=85.7km s-min=38.0km az=81.0.

IDC	**VIII**	**15 16 59 30.4–1.3**	**57.05S**	**25.12W**	**0**	**3.9b,3.9**			
									¶621023634

IDC Error ellipse: s-maj=47.6km s-min=32.4km az=72.0.

IDC	**VIII**	**15 17 08 14.8–1.1**	**60.57S**	**26.42W**	**0**	**4.1L,4.0**			
									¶621023636

IDC Error ellipse: s-maj=52.3km s-min=23.3km az=66.0.

ISC	**VIII**	**15 21 20 28.6–.62**	**57.2S–.10**	**24.6W–.10**	**10**	**4.3b**	**23**	**17-152**	
IDC	VIII	15 21 20 27.5–.99	57.19S	24.80W	0	4.1L,4.0			**¶621023666**
NEIC	VIII	15 21 20 28.6–.97	57.24S–.08	24.6W–.20	10–1	4.3b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 17 09 22.3–.90**	**59.5S–.20**	**25.5W–.20**	**35**	**4.0b**	**12**	**15-153**	
IDC	VIII	15 17 09 19.1–.71	59.72S	26.49W	0	4.5L,4.2			**¶621023637**

ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=17.5km az=63.0.

ISC	**VIII**	**15 17 10 44.1–.50**	**59.49S–.09**	**24.85W–.09**	**27**	**4.6b**	**44**	**10-153**	
IDC	VIII	15 17 10 40.2–.58	59.40S	24.94W	0	4.9L,4.4b			**¶621023639**
NEIC	VIII	15 17 10 43.3–.98	59.5S–.10	24.8W–.20	20–5	4.7b,4.4b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 21 30 40.4–.77**	**59.5S–.10**	**26.0W–.10**	**40**	**4.5b**	**23**	**9-150**	
IDC	VIII	15 21 30 34.2–1.2	59.25S	26.31W	0	4.2L,4.0			**¶621023667**
NEIC	VIII	15 21 30 40.6–1.4	59.6S–.10	26.0W–.20	35–2	4.4b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 19 00 51.0–.28**	**59.94S–.05**	**27.06W–.06**	**34**	**5.1b,4.1s**	**235**	**8-163**	
IDC	VIII	15 19 00 45.9–.39	59.87S	26.81W	0	4.8L,4.8b			**¶621237508**
BJI	VIII	15 19 00 47.8	60.00S	26.80W	12	5.2s,5.2b			
GFZ	VIII	15 19 00 47.9–.25	60S–5.0	27W–6.0	10	5.3b,5.3			
NEIC	VIII	15 19 00 51.9–1.2	59.89S–.09	27.1W–.20	38–6	5.1b,5.3			
GCMT	VIII	15 19 00 52.2–.20	60.13S–.02	26.71W–.07	12–1	5.0W,5.3			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108151900A. Moment Tensor Solution. s18,c19; s110,c135; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.38±.18 $M_{\theta\theta}$1.98±.13; $M_{\phi\phi}$0.39±.10; $M_{r\theta}$1.78±.38; $M_{\theta\phi}$0.01±.07; $M_{\phi r}$2.92±.51; Best double couple: NP1:ϕ_s88.00000°,δ20.00000°,λ-47.00000°. NP2:ϕ_s223.00000°,δ76.00000°,λ-104.00000°. Principal axes: T 3.2180,Plg29.0000°,Azm324.0000°; N 1.3550,Plg13.0000°,Azm227.0000°; P -4.5760,Plg57.0000°,Azm115.0000° M_o3.89700×10^{16}

ISC	**VIII**	**15 21 38 27.8–.53**	**59.53S–.05**	**26.37W–.06**	**70–4**	**5.2b**	**315**	**8-173**	
GFZ	VIII	15 21 38 27.2–.27	60S–3.0	26W–3.0	58–2	5.4,5.3b			**¶621237509**
NEIC	VIII	15 21 38 28.3–1.2	59.52S–.10	26.4W–.20	69–5	5.2b,5.3b			
GCMT	VIII	15 21 38 28.3–.20	59.74S–.02	25.80W–.04	60–1	5.0W,5.3b			
IDC	VIII	15 21 38 30.0–4.2	59.46S	26.24W	88–37	4.9,4.6b			

ISC Event type se.
GFZ Error ellipse: s-maj=9.2km s-min=4.8km az=45.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=12.9km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108152138A. Moment Tensor Solution. s60,c72; s99,c133; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.22±.17 $M_{\theta\theta}$1.42±.16; $M_{\theta\phi}$-4.64±.12;

Mrθ-0.54±.10; Mθθ-1.42±.11; Mθr0.85±.11; Best double couple: NP1:φs214.00000°,δ44.00000°,λ121.00000°. NP2:φs353.00000°,δ53.00000°,λ63.00000°. Principal axes:
T 3.5590,Plg68.0000°,Azm205.0000°; N 1.4590,Plg21.0000°,Azm10.0000°
; P -5.0180,Plg5.0000°,Azm102.0000° M0 4.28900×10^16
IDC Error ellipse: s-maj=16.6km s-min=11.9km az=58.0.
ISC VIII 15 17 20 26.0–.28 58.62S–.06 25.14W–.06 28 5.0b,4.5s 193 8-174
IDC VIII 15 17 20 21.9–.41 58.53S 25.14W 0 4.9L,4.8b **¶620987273**
BJI VIII 15 17 20 23.4 58.80S 25.10W 10 5.2s,4.9
NEIC VIII 15 17 20 23.9–2.4 58.60S–.09 25.1W–.20 10–1 5.0b,4.9
GFZ VIII 15 17 20 24.9–.27 59S–5.0 25W–6.0 10 5.1b,5.1
GCMT VIII 15 17 20 29.9–.20 58.83S–.02 24.51W–.03 32–0 5.0W,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108151720A. Moment Tensor Solution. s61,c85; s91,c129; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr4.24±.18 Mθθ0.34±.15; Mφφ-4.58±.12; Mrθ0.84±.19; Mθφ-1.56±.08; Mφr-0.08±.14; Best double couple: NP1:φs184.00000°,δ45.00000°,λ72.00000°. NP2:φs29.00000°,δ47.00000°,λ108.00000°. Principal axes:
T 4.4330,Plg77.0000°,Azm12.0000°; N 0.6070,Plg13.0000°,Azm197.0000°
; P -5.0350,Plg1.0000°,Azm106.0000° M0 4.73400×10^16
IDC VIII 15 17 29 56.7–1.2 60.60S 25.24W 0 4.1L,4.0b
¶621023642
IDC Error ellipse: s-maj=58.7km s-min=22.9km az=59.0.
ISC VIII 15 21 58 21.9–.79 58.1S–.10 24.6W–.10 24 4.5b 24 8-153
NEIC VIII 15 21 58 19.1–1.4 58.1S–.20 24.4W–.20 10–1 4.5b **¶621023668**
IDC VIII 15 21 58 20.3–1.2 57.83S 24.93W 0 4.3L,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=7.8km az=28.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.3km s-min=28.2km az=40.0.
ISC VIII 15 23 44 43.5–.77 60.19S–.09 27.1W–.10 34 4.5b 43 8-153
IDC VIII 15 23 44 38.7–.95 60.07S 26.99W 0 4.2L,4.1b **¶621023675**
NEIC VIII 15 23 44 45.6–1.3 60.2S–.10 27.5W–.20 35–2 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 15 22 16 01.1–1.3 58.65S 25.55W 0 3.9b,3.9
¶621023669
IDC Error ellipse: s-maj=53.0km s-min=34.9km az=57.0.
ISC VIII 15 22 21 05.7–.63 57.03S–.10 24.9W–.10 22 4.3b 26 7-152
IDC VIII 15 22 21 02.5–.88 56.94S 24.74W 0 4.2L,4.0 **¶621023670**
NEIC VIII 15 22 21 04.2–1.1 57.1S–.10 25.0W–.20 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 15 19 38 06.4–1.7 58.82S 25.34W 0 4.2L,4.0
¶621023655
IDC Error ellipse: s-maj=84.2km s-min=37.0km az=75.0.
ISC VIII 15 19 43 05.4–.51 59.56S–.09 26.07W–.09 40 4.6b,3.6s 43 9-153
IDC VIII 15 19 42 59.8–.58 59.47S 26.09W 0 4.4,4.3b **¶621023656**
NEIC VIII 15 19 43 02.9–1.4 59.60S–.05 26.0W–.20 17–5 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 00 16 53.8–.71 59.8S–.10 27.0W–.20 34 4.1b 15 13-153
IDC VIII 16 00 16 49.2–.84 59.68S 27.03W 0 4.1L,4.1b **¶621002993**
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=18.3km az=52.0.
ISC VIII 16 00 54 08.2–.94 57.2S–.20 25.2W–.30 10 9 15-152
IDC VIII 16 00 54 05.9–1.0 57.20S 24.76W 0 3.9b,3.9 **¶621030115**
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=32.4km az=81.0.
ISC VIII 15 22 30 43.8–.33 58.47S–.07 25.16W–.07 28 5.0b,4.5s 138 8-174
IDC VIII 15 22 30 39.3–.44 58.40S 25.07W 0 4.7b,4.7 **¶620987286**
NEIC VIII 15 22 30 43.2–1.1 58.51S–.09 25.2W–.10 20–3 5.2,5.0b
GCMT VIII 15 22 30 47.9–.10 58.66S–.01 24.74W–.02 34–1 5.2W,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108152230A. Moment Tensor Solution. s80,c116; s137,c209;Duration: 1s0 Moment tensor: Scale 10^16Nm; Mrr2.04±.17 Mθθ1.36±.14; Mφφ-3.40±.14; Mrθ-6.08±.26; Mθφ4.45±.10; Mφr1.34±.16; Best double couple: NP1: φs188.00000°,δ39.00000°,λ165.00000°. NP2:φs290.00000°,δ81.00000°,λ52.00000°. Principal axes: T 8.2130,Plg42.0000°,Azm165.0000°; N -0.0130,Plg37.0000°,Azm297.0000°
; P -8.2000,Plg26.0000°,Azm49.0000° M0 8.20700×10^16
ISC VIII 15 22 47 08.8–.69 57.9S–.10 23.4W–.10 16 4.3b 18 8-153
IDC VIII 15 22 47 06.3–1.6 57.73S 23.89W 0 4.4b,4.2 **¶621023672**
NEIC VIII 15 22 47 08.1–.83 57.98S–.08 23.4W–.20 10–1 4.1b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 00 18 21.7–1.1 58.9S–.20 24.2W–.30 10 7 14-153
IDC VIII 16 00 18 22.4–1.5 58.24S 24.23W 0 3.9L,3.8 **¶621030114**
ISC Event type se.
IDC Error ellipse: s-maj=62.4km s-min=30.8km az=62.0.
ISC VIII 16 02 18 05.4–.79 60.2S–.10 26.5W–.10 26 4.2b,3.8s 32 9-153
IDC VIII 16 02 18 02.1–.87 60.12S 26.91W 0 4.0L,4.0 **¶621002977**
NEIC VIII 16 02 18 03.4–1.4 60.1S–.20 26.5W–.20 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 04 38 01.0–.70 59.8S–.10 25.7W–.10 26 4.2b 29 13-152
NEIC VIII 16 04 37 57.9–2.2 59.7S–.10 25.3W–.40 10–1 4.4b **¶621003137**
IDC VIII 16 04 37 58.7–1.1 59.75S 26.51W 0 4.6L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=14.3km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.2km s-min=20.5km az=60.0.
ISC VIII 16 04 46 43.5–.70 57.03S–.09 24.9W–.10 22 4.4b 44 7-152
IDC VIII 16 04 46 40.4–.98 56.89S 24.91W 0 4.1,4.0b **¶621003150**
NEIC VIII 16 04 46 44.8–1.4 57.1S–.10 25.1W–.20 26–6 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 01 14 08.0–.38 59.21S–.08 25.31W–.08 35 4.6b,3.8s 110 8-155
IDC VIII 16 01 14 03.0–.48 59.11S 25.33W 0 4.9L,4.4 **¶621002925**
NEIC VIII 16 01 14 04.9–1.6 59.1S–.10 25.2W–.20 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 01 19 02.0–1.1 58.7S–.10 24.1W–.20 10 10 14-149
IDC VIII 16 01 19 01.5–1.5 58.58S 24.08W 0 3.9L,3.8b **¶621030117**
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=32.7km az=49.0.
IDC VIII 16 04 50 38.5–1.5 57.87S 24.03W 0 3.9b,3.8
¶621030133
IDC Error ellipse: s-maj=54.0km s-min=36.7km az=60.0.
ISC VIII 16 01 20 51.2–1.0 58.6S–.20 24.0W–.30 10 10 14-153
IDC VIII 16 01 20 50.2–1.3 58.47S 24.01W 0 3.9L,3.8b **¶621030118**
ISC Event type se.
IDC Error ellipse: s-maj=49.8km s-min=31.5km az=53.0.
ISC VIII 16 05 01 03.5–.52 58.76S–.08 23.19W–.09 10 4.1b,3.6s 37 11-155
IDC VIII 16 05 01 02.4–.70 58.58S 23.16W 0 4.5L,4.1 **¶621002957**
NEIC VIII 16 05 01 04.5–2.5 58.7S–.10 23.1W–.20 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 05 06 55.6–1.1 59.8S–.10 25.3W–.20 26 9 13-153
IDC VIII 16 05 06 52.7–1.2 59.59S 25.64W 0 4.2L,4.1 **¶621003071**
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=28.9km az=69.0.
ISC VIII 16 05 39 58.3–.63 59.80S–.09 26.2W–.10 16 4.2b 33 9-153
IDC VIII 16 05 39 57.0–.86 59.74S 26.49W 0 4.7L,4.0 **¶621003026**
NEIC VIII 16 05 39 59.5–.67 59.8S–.10 26.1W–.20 25–7 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 03 35 34.1–.89 58.0S–.10 25.5W–.20 49 3.8b 18 17-152
IDC VIII 16 03 35 28.0–1.0 57.94S 25.69W 0 4.0L,3.7b **¶621030125**
NEIC VIII 16 03 35 33.2–1.0 58.04S–.09 25.6W–.20 35–2 4.1b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 16 03 39 37.5–1.2 58.36S 26.07W 0 3.9b,3.9
¶621030126
IDC Error ellipse: s-maj=70.3km s-min=25.8km az=93.0.
ISC VIII 16 03 43 05.2–.92 59.8S–.20 24.2W–.20 10 11 13-154
IDC VIII 16 03 43 03.5–1.1 59.82S 24.20W 0 3.9b,3.9 **¶621003032**
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=26.1km az=46.0.
ISC VIII 16 03 46 01.5–.60 58.6S–.10 25.3W–.10 38 4.2b 31 14-153
IDC VIII 16 03 45 55.9–.88 58.39S 25.43W 0 4.5L,4.0 **¶621030127**
NEIC VIII 16 03 46 01.7–1.5 58.7S–.10 25.2W–.30 35–2 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 16 02 58 17.7–1.6 59.63S 27.00W 0 3.8L,3.8
¶621030122
IDC Error ellipse: s-maj=67.4km s-min=31.0km az=58.0.
ISC VIII 16 03 03 15.7–.82 60.7S–.20 27.2W–.30 19 17 13-155
IDC VIII 16 03 03 18.9–1.2 59.67S 26.07W 0 4.3L,4.1 **¶621030123**
ISC Event type se.
IDC Error ellipse: s-maj=56.0km s-min=27.4km az=61.0.
ISC VIII 16 05 46 18.1–.17 56.98S–.03 25.72W–.03 15 5.8b,5.5s 743 7-176
ISC-P VIII 16 05 46 17 56.90S 25.67W 14–0 6.1,5.5s **¶620987304**
NEIC VIII 16 05 46 17.9 56.90S 25.67W 16 6.1,5.5s
NEIC VIII 16 05 46 17.9–.78 56.90S–.08 25.7W–.20 16–2 5.8b,5.6
GFZ VIII 16 05 46 18.8 56.88S 25.73W 19 5.8W,5.6
GFZ VIII 16 05 46 18.6–.25 57S–4.0 26W–4.0 10 5.7b,5.6
NEIC VIII 16 05 46 18 56.90S 25.66W 16 5.7b,5.6
IPGP VIII 16 05 46 19.0 56.91S 25.68W 25 5.8W,5.6
IDC VIII 16 05 46 20.5–1.8 56.84S 25.54W 32–12 5.3,5.3s
MOS VIII 16 05 46 20.9–1.1 57.11S 26.19W 40 5.5b,5.3s
PTWC VIII 16 05 46 24 57.00S 25.90W 50 6.3,5.3s
GCMT VIII 16 05 46 24.3–.10 56.87S–.01 25.11W–.01 19–0 5.8W,5.3s
NEIC VIII 16 05 46 25.4 56.60S 25.49W 20 5.7,5.3s
ISC Event type se.
ISC-P Moment Tensor Solution. s30 Moment tensor: Scale 10^18Nm; Mrr0.47±.18 Mθθ0.21±.24; Mφφ-0.67±.24; Mrθ0.25±.24; Mθφ0.22±.26; Mφr0.18±.20; NP1:φs139.70000°,δ46.00000°,λ42.30000°. NP2:φs17.40000°,δ61.10000°,λ127.40000°. M0 1.58000×10^18
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.3km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr2.52 Mθθ-0.35 Mφφ-2.17 Mrθ-0.43 Mθφ1.77 Mφr1.61 NP1:φs339.13000°,δ60.40000°,λ102.26000°. NP2:φs135.37000°,δ31.82000°,λ69.50000°. Principal axes: T 3.0259,Plg72.0000°,Azm278.0000°; N 0.6447,Plg11.0000°,Azm153.0000°; P -3.6706,Plg15.0000°,Azm60.0000° M0 3.39000×10^17
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr4.55 Mθθ-0.48 Mφφ-4.06 Mrθ-2.09 Mθφ1.46 Mφr5.02 NP1: φs162.78523°,δ20.04835°,λ94.41454°. NP2:φs338.08717°,δ70.01367°,λ88.39104°. Principal axes: T 7.0877,Plg64.9509°,Azm245.3994°; N 0.0259,Plg1.5120°,Azm338.6372°
; P -7.1136,Plg24.9971°,Azm69.3424° M0 7.10069×10^17
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:φs148.00000°,δ27.00000°,λ81.00000°. NP2:φs338.00000°,δ64.00000°,λ94.00000°.
IDC Error ellipse: s-maj=15.3km s-min=10.9km az=47.0.
MOS Error ellipse: s-maj=21.4km s-min=10.1km az=111.2.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108160546A. Moment Tensor Solution. s155,c317; s160,c359;Duration: 1s9 Moment tensor: Scale 10^17Nm; Mrr4.62±.05 Mθθ-0.20±.04; Mφφ-4.41±.04; Mrθ-1.08±.10; Mθφ1.76±.03; Mφr3.78±.12; Best double couple: NP1: φs157.00000°,δ26.00000°,λ85.00000°. NP2:φs343.00000°,δ65.00000°,λ92.00000°. Principal axes: T 6.0230,Plg70.0000°,Azm258.0000°; N 0.4240,Plg2.0000°,Azm162.0000°
; P -6.4410,Plg20.0000°,Azm71.0000° M0 6.23200×10^17
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^17Nm; Mrr4.01 Mθθ-0.76 Mφφ-3.26 Mrθ-0.13 Mθφ1.82 Mφr2.28 NP1:φs140.56000°,δ32.70000°,λ70.08000°. NP2:φs343.87000°,δ59.47000°,λ102.34000°. Principal axes:
T 4.6945,Plg73.0000°,Azm284.0000°; N 0.0229,Plg11.0000°,Azm158.0000°
; P -4.7174,Plg14.0000°,Azm65.0000° M0 4.71000×10^17
ISC VIII 16 03 53 16.9–1.0 58.2S–.20 25.0W–.20 10 3.7b 12 14-152
IDC VIII 16 03 53 16.3–1.2 58.03S 25.23W 0 4.3L,3.8 **¶621030129**
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=25.1km az=61.0.
ISC VIII 16 05 48 31.5–.84 56.8S–.20 25.5W–.20 35 5.0b 9 18-151
IDC VIII 16 05 48 26.5–.96 56.73S 25.47W 0 4.9b,4.9 **¶621030135**
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=20.8km az=49.0.
IDC VIII 16 04 07 56.0–1.4 58.39S 25.41W 0 4.1L,3.9
¶621030132
IDC Error ellipse: s-maj=50.7km s-min=35.7km az=56.0.
ISC VIII 16 06 15 03.7–.55 58.64S–.09 25.1W–.10 28 4.4b 36 14-153
IDC VIII 16 06 15 00.1–.80 58.53S 25.19W 0 4.2L,4.1b **¶621030136**
NEIC VIII 16 06 15 01.7–1.3 58.64S–.09 25.1W–.20 13–5 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 09 52 51.8–.77 56.5S–.10 25.4W–.10 29 4.2b,3.6s 29 7-151
IDC VIII 16 09 52 47.9–.79 56.45S 25.45W 0 4.2b,4.2 **¶621003148**
NEIC VIII 16 09 52 48.6–1.3 56.4S–.10 25.2W–.30 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 06 19 22.7–.73 56.9S–.10 25.6W–.10 35 4.2b 21 7-151
IDC VIII 16 06 19 17.4–1.6 56.54S 25.23W 0 4.0b,4.0 **¶621030138**
NEIC VIII 16 06 19 23.7–1.1 57.1S–.10 25.9W–.30 35–2 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 06 26 17.1–.76 59.5S–.10 24.9W–.20 27 3.9b 15 13-153
IDC VIII 16 06 26 13.2–.81 59.34S 24.91W 0 4.4L,4.0 **¶621030140**
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=18.4km az=74.0.
ISC VIII 16 04 26 05.4–1.1 59.7S–.10 25.5W–.20 32 11 13-153
IDC VIII 16 04 26 01.0–1.2 59.23S 25.97W 0 4.8L,4.0 **¶621002942**
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=26.1km az=69.0.
ISC VIII 16 10 17 23.3–.77 57.6S–.10 23.9W–.20 10 4.0b 14 15-152
IDC VIII 16 10 17 22.3–.82 57.47S 23.96W 0 4.1b,4.1 **¶621002879**
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=23.7km az=60.0.
ISC VIII 16 04 34 57.8–.73 59.0S–.10 23.9W–.20 10 4.1b 31 13-153

IDC VIII 16 04 34 56.9–.89 58.94S 24.34W 0 4.9L,4.0 **¶621002955**
NEIC VIII 16 04 34 58.2–2.4 58.98S–.08 23.8W–.30 10–1 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 10 23 20.8–.26 59.81S–.06 26.58W–.06 26 5.2b,4.1s 273 8-173
NEIC VIII 16 10 23 22.3–1.8 59.85S–.08 26.7W–.20 35–1 5.2b,4.1s **¶621237513**
IDC VIII 16 10 23 24.6–1.4 59.84S 26.57W 55–10 4.9,4.6b
GFZ VIII 16 10 23 26.1–.66 60S–5.0 26W–5.0 70–7 5.3b,5.2
GCMT VIII 16 10 23 27.0–.20 60.09S–.01 26.35W–.02 42–1 5.2W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108161023A. Moment Tensor Solution. s71,c93; s109,c155; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.49±.20 $M_{\theta\theta}$6.07±.20; $M_{\phi\phi}$-5.58±.17; $M_{r\theta}$-2.14±.24; $M_{\theta\phi}$-3.41±.14; $M_{\phi r}$2.95±.22; Best double couple: NP1:ϕ_s240.00000°,δ62.00000°,λ-179.00000°. NP2:ϕ_s150.00000°,δ90.00000°,λ-28.00000°. Principal axes: T 7.9870,Plg19.0000°,Azm198.0000°; N -0.6480,Plg62.0000°,Azm329.0000°; P -7.3370,Plg20.0000°,Azm101.0000° $M_0$7.66200×10^{16}
ISC VIII 16 06 44 14.1–.38 60.60S–.07 26.84W–.08 19 4.7b 120 8-154
NEIC VIII 16 06 44 12.5–1.2 60.66S–.09 26.9W–.20 10–1 4.8b **¶621003152**
IDC VIII 16 06 44 12.4–.47 60.40S 26.77W 0 4.7L,4.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=13.7km az=42.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.9km s-min=13.1km az=57.0.
ISC VIII 16 11 10 36.8–.34 58.42S–.03 23.54W–.03 16–1 6.6s,6.3b 2021 8-177
IDC VIII 16 11 10 33.9–.27 58.33S 23.28W 0 6.5L,6.5s **¶620987366**
IPGP VIII 16 11 10 35.0 58.38S 23.33W 19 6.9W,6.5s
NEIC VIII 16 11 10 35.6 58.39S 23.32W 10 6.9W,6.5s
BJI VIII 16 11 10 36.2 58.35S 23.40W 9 6.8s,6.8
NEIC VIII 16 11 10 36.5 58.37S 23.36W 16 6.8s,6.8
NEIC VIII 16 11 10 36.6–1.4 58.37S–.08 23.4W–.10 17–3 6.6,6.3b
GFZ VIII 16 11 10 36.3–.14 58S–3.0 23W–2.0 10 6.8b,6.7
GFZ VIII 16 11 10 36.8 58.47S 23.50W 20 6.9W,6.7
ISC-P VIII 16 11 10 36 58.37S 23.36W 24–0 7.0,6.7
MOS VIII 16 11 10 37.1–1.3 58.39S 23.54W 26 6.6s,6.4b
PTWC VIII 16 11 10 39 58.50S 23.20W 7.1,6.4b
GCMT VIII 16 11 10 44.8–.00 58.48S 22.83W 15–0 6.8W,6.4b
NEIC VIII 16 11 10 46 58.19S 22.94W 22 6.9,6.4b
NEIC VIII 16 11 10 52 57.95S 22.43W 23 6.9,6.4b
ISC Event type se.
IDC Error ellipse: s-maj=11.5km s-min=9.9km az=38.0.
IPGP Moment Tensor Solution. NP1:ϕ_s346.00000°,δ42.00000°,λ-138.00000°. NP2:ϕ_s222.00000°,δ63.00000°,λ-56.00000°.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=11.1km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-1.65 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$2.33 $M_{r\theta}$-0.76 $M_{\theta\phi}$0.85 $M_{\phi r}$1.65 NP1:ϕ_s167.19048°,δ68.40925°,λ-120.39912°. NP2:ϕ_s45.09375°,δ36.67816°,λ-38.02774°. Principal axes: T 3.0067,Plg17.8728°,Azm279.2738°; N -0.2637,Plg28.0678°,Azm179.3726°; P -2.7430,Plg55.8223°,Azm37.6262° $M_0$2.88386×10^{19}
ISC-P Moment Tensor Solution. s29 Moment tensor: Scale 10^{19}Nm; M_{rr}0.16±.12 $M_{\theta\theta}$-0.50±.17; $M_{\phi\phi}$0.36±.17; $M_{r\theta}$0.32±.20; $M_{\theta\phi}$0.43±.11; $M_{\phi r}$0.12±.15; NP1:ϕ_s314.30000°,δ42.80000°,λ165.50000°. NP2:ϕ_s55.10000°,δ80.20000°,λ48.10000°. $M_0$4.37000×10^{19}
MOS Error ellipse: s-maj=16.5km s-min=8.8km az=99.1.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108161110A. Moment Tensor Solution. s173,c435; s160,c727;Duration: 6s3 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.44±.01 $M_{\theta\theta}$-0.92±.01; $M_{\phi\phi}$2.36±.01; $M_{r\theta}$0.27±.03; $M_{\theta\phi}$1.14±.01; $M_{\phi r}$0.41±.03; Best double couple: NP1:ϕ_s351.00000°,δ45.00000°,λ-128.00000°. NP2:ϕ_s219.00000°,δ56.00000°,λ-59.00000°. Principal axes: T 2.7710,Plg6.0000°,Azm288.0000°; N -1.2150,Plg26.0000°,Azm21.0000°; P -1.5600,Plg63.0000°,Azm185.0000° $M_0$2.16600×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 14s4 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.99 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$2.70 $M_{r\theta}$0.09 $M_{\theta\phi}$1.11 $M_{\phi r}$-0.41 NP1:ϕ_s208.13000°,δ42.04000°,λ-73.12000°. NP2:ϕ_s5.90000°,δ50.15000°,λ-104.67000°. Principal axes: T 3.0570,Plg4.0000°,Azm106.0000°; N -1.0017,Plg11.0000°,Azm15.0000°; P -2.0552,Plg78.0000°,Azm216.0000° $M_0$2.70000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 16s3 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.97 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$2.54 $M_{r\theta}$1.27 $M_{\theta\phi}$1.30 $M_{\phi r}$1.34 NP1:ϕ_s354.67000°,δ32.83000°,λ-129.58000°. NP2:ϕ_s219.20000°,δ65.30000°,λ-67.65000°. Principal axes: T 3.5388,Plg17.0000°,Azm293.0000°; N -0.7652,Plg20.0000°,Azm29.0000°; P -2.7736,Plg63.0000°,Azm165.0000° $M_0$3.16000×10^{19}
ISC VIII 16 08 42 53.0–.98 58.6S–.10 24.0W–.20 10 10 14-153
IDC VIII 16 08 42 52.2–1.1 58.35S 24.07W 0 3.9L,3.9 **¶621030147**
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=29.8km az=11.0.
ISC VIII 16 08 46 12.8–.37 59.66S–.05 26.40W–.05 37–2 5.3b,4.7s 584 8-173
IDC VIII 16 08 46 07.1–.34 59.60S 26.29W 0 6.0L,5.1 **¶621237512**
GFZ VIII 16 08 46 09.7–.13 60S–3.0 26W–2.0 10 5.5,5.4b
NEIC VIII 16 08 46 11.8–1.1 59.68S–.08 26.3W–.20 35–1 5.3,5.3b
MOS VIII 16 08 46 12.0–.92 59.61S 26.52W 42 5.4b,5.3b
BJI VIII 16 08 46 13.8 59.70S 26.50W 57 5.1s,5.1b
GCMT VIII 16 08 46 16.1–.10 59.94S–.01 25.72W–.02 38–0 5.3W,5.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108160846A. Moment Tensor Solution. s102,c156; s142,c233;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.25±.02 $M_{\theta\theta}$1.10±.02; $M_{\phi\phi}$-0.85±.02; $M_{r\theta}$-0.54±.02; $M_{\theta\phi}$-0.01±.01; $M_{\phi r}$0.51±.02; Best double couple: NP1:ϕ_s227.00000°,δ51.00000°,λ-170.00000°. NP2:ϕ_s131.00000°,δ83.00000°,λ-39.00000°. Principal axes: T 1.3030,Plg21.0000°,Azm185.0000°; N -0.1320,Plg50.0000°,Azm302.0000°; P -1.1740,Plg32.0000°,Azm82.0000° $M_0$1.23900×10^{17}
ISC VIII 16 11 15 33.8–.62 58.4S–.10 23.07W–.09 10 4.7b 24 8-153
NEIC VIII 16 11 15 33.7–1.6 58.4S–.10 23.1W–.10 10–1 4.6b **¶621030159**
IDC VIII 16 11 15 38.1–2.3 58.29S 23.28W 0 4.7b,4.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=4.8km az=25.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=122.7km s-min=87.2km az=123.0.
ISC VIII 16 10 35 31.4–.55 59.53S–.09 25.27W–.09 32 4.4b 51 10-153
IDC VIII 16 10 35 26.8–.61 59.37S 25.30W 0 4.2L,4.2b **¶621030158**
NEIC VIII 16 10 35 28.3–1.3 59.4S–.10 25.2W–.20 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 10 41 11.7–.55 58.75S–.09 23.80W–.09 10 4.2b 45 11-155
IDC VIII 16 10 41 10.3–.62 58.63S 23.96W 0 4.3L,4.2b **¶621003082**
NEIC VIII 16 10 41 14.6–1.4 58.79S–.08 23.8W–.20 26–4 4.3b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 16 11 21 33.4–3.0 58.06S 23.23W 0 4.5L,4.4b ¶621030160
IDC Error ellipse: s-maj=175.5km s-min=35.4km az=84.0.
ISC VIII 16 11 35 27.2–.93 58.5S–.20 23.9W–.30 10 11 14-153
IDC VIII 16 11 35 26.9–1.1 58.16S 23.87W 0 4.5L,4.2 **¶621030162**
ISC Event type se.
IDC Error ellipse: s-maj=51.6km s-min=32.3km az=57.0.
ISC VIII 16 07 39 37.1–.82 58.1S–.10 25.2W–.20 40 3.7b 14 15-152
IDC VIII 16 07 39 31.6–.90 57.94S 25.17W 0 4.2L,3.9 **¶621002918**
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=21.2km az=52.0.
ISC VIII 16 11 36 11.2–.55 58.71S–.09 23.35W–.09 10 4.4b 38 9-153
NEIC VIII 16 11 36 11.1–1.3 58.74S–.06 23.3W–.20 10–1 4.3b **¶621002896**
IDC VIII 16 11 36 12.7–1.8 58.57S 22.89W 0 4.2L,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=5.0km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.4km s-min=28.1km az=78.0.
ISC VIII 16 09 04 58.5–.96 58.7S–.20 23.6W–.20 10 3.9b 11 14-153
IDC VIII 16 09 04 57.4–.96 58.59S 23.77W 0 4.3L,4.1 **¶621002897**
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=24.4km az=59.0.
ISC VIII 16 11 47 03.5–.39 58.30S–.07 23.66W–.08 10 4.5b 69 8-153
IDC VIII 16 11 47 02.6–.55 58.26S 23.79W 0 4.3L,4.3b **¶621030163**
NEIC VIII 16 11 47 03.7–1.1 58.33S–.10 23.65W–.08 10–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 09 22 32.7–.85 56.5S–.20 25.7W–.20 29 4.1b,3.5s 9 18-151
IDC VIII 16 09 22 28.4–.88 56.45S 25.65W 0 4.1b,4.1 **¶621030155**
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=19.4km az=64.0.
ISC VIII 16 11 52 28.1–.29 58.70S–.06 23.77W–.06 10 6.2s,5.0b 243 8-174
IDC VIII 16 11 52 26.5–.40 58.60S 23.69W 0 4.8b,4.8 **¶620987369**
NEIC VIII 16 11 52 28.3–1.6 58.70S–.03 23.7W–.20 10–1 5.0b,4.8
GFZ VIII 16 11 52 29.2–.17 59S–3.0 24W–3.0 10 5.1b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 16 11 54 15.1–2.1 58.7S–.20 22.5W–.80 10 9 13-148
IDC VIII 16 11 54 11.9–3.2 58.59S 23.40W 0 5.1s,4.5b **¶621003142**
ISC Event type se.
IDC Error ellipse: s-maj=168.3km s-min=34.5km az=85.0.
ISC VIII 16 12 02 20.2–.56 56.76S–.09 25.03W–.09 22 4.3b 29 7-151
IDC VIII 16 12 02 16.9–1.0 56.55S 24.71W 0 4.2b,4.1 **¶621030164**
NEIC VIII 16 12 02 19.0–.80 56.8S–.10 25.05W–.08 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 13 34 58.3–.54 58.31S–.08 23.46W–.09 10 4.4b 42 8-153
IDC VIII 16 13 34 55.9–.74 58.19S 23.61W 0 4.1L,4.1b **¶621030179**
NEIC VIII 16 13 34 58.7–1.9 58.37S–.05 23.5W–.20 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 12 05 05.3–.57 58.78S–.09 25.18W–.10 18 4.2b 24 8-153
IDC VIII 16 12 05 08.6–1.9 58.61S 25.23W 0 4.3,4.2b **¶621030165**
NEIC VIII 16 12 05 09.2–1.0 58.82S–.09 25.3W–.20 44–7 4.2b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 12 08 18.5–.69 58.0S–.10 23.0W–.10 10 4.3b 30 14-153
NEIC VIII 16 12 08 18.4–1.5 58.01S–.09 22.9W–.20 10–1 4.4b **¶621030166**
IDC VIII 16 12 08 23.9–1.9 57.63S 24.11W 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=15.8km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=75.5km s-min=25.8km az=2.0.
ISC VIII 16 13 41 57.7–.41 58.53S–.07 23.46W–.08 10 4.4b 83 8-153
IDC VIII 16 13 41 56.6–.53 58.41S 23.57W 0 4.4b,4.4 **¶621030180**
NEIC VIII 16 13 41 57.4–2.2 58.55S–.09 23.31W–.08 10–1 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 12 20 48.2–.51 58.47S–.09 23.99W–.09 10 4.4b 33 8-149
IDC VIII 16 12 20 46.0–1.1 58.37S 24.71W 0 4.1b,4.1 **¶621030167**
NEIC VIII 16 12 20 48.2–1.2 58.6S–.10 24.0W–.20 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 13 50 25.4–.37 58.02S–.06 24.69W–.08 24 4.8b 88 8-153
IDC VIII 16 13 50 21.8–.48 57.91S 24.65W 0 4.6L,4.4b **¶621002967**
NEIC VIII 16 13 50 27.3–1.6 58.05S–.09 24.8W–.20 35–3 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 15 01 56.5–.61 58.58S–.09 23.3W–.10 10 4.3b 29 8-153
IDC VIII 16 15 01 55.8–.87 58.40S 23.52W 0 4.0L,4.0 **¶621030187**
NEIC VIII 16 15 01 57.0–.63 58.5S–.10 23.3W–.20 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 15 04 56.2–.75 58.6S–.10 23.2W–.10 10 4.0b 24 9-153
IDC VIII 16 15 04 54.8–1.1 58.37S 23.12W 0 3.9L,3.9 **¶621030188**
NEIC VIII 16 15 04 56.4–2.1 58.6S–.10 23.3W–.30 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 12 44 55.5–.39 58.33S–.07 22.98W–.07 10 4.6b 64 9-153
IDC VIII 16 12 44 54.7–.55 58.30S 22.84W 0 4.8L,4.5 **¶621003027**
NEIC VIII 16 12 44 55.6–1.2 58.33S–.05 23.0W–.20 10–1 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 12 52 41.7–.51 58.36S–.08 24.30W–.09 10 4.5b 42 8-153
NEIC VIII 16 12 52 41.8–.98 58.4S–.10 24.3W–.20 10–1 4.5b **¶621030171**
IDC VIII 16 12 52 41.6–.97 58.18S 23.71W 0 4.2L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=15.0km az=40.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.8km s-min=25.3km az=75.0.
ISC VIII 16 12 22 10.6–.45 56.98S–.07 26.07W–.09 61 4.6b 61 6-151
IDC VIII 16 12 22 01.3–.98 56.81S 25.20W 0 4.5b,4.5 **¶621003039**
NEIC VIII 16 12 22 11.7–1.4 57.06S–.09 26.1W–.20 70–7 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 16 12 22 38.5–1.4 59.55S 26.75W 0 4.9L,4.3 ¶621030170
IDC Error ellipse: s-maj=75.0km s-min=31.8km az=77.0.
ISC VIII 16 12 58 46.3–.83 58.3S–.10 23.5W–.10 10 4.2b 26 8-153
IDC VIII 16 12 58 45.0–1.1 58.17S 23.44W 0 4.6L,4.1 **¶621030173**
NEIC VIII 16 12 58 46.5–1.4 58.31S–.06 23.5W–.20 10–2 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 12 25 46.2–1.8 58.8S–.20 24.0W–.60 10 8 14-153
IDC VIII 16 12 25 44.8–1.9 58.65S 24.33W 0 4.2b,4.2 **¶621003130**
ISC Event type se.
IDC Error ellipse: s-maj=95.3km s-min=36.1km az=77.0.

ISC VIII 16 16 58 48.2–.54 58.34S–.09 23.19W–.10 10 4.2b 39 8-153
IDC VIII 16 16 58 46.8–.71 58.27S 23.45W 0 4.3L,4.0b **¶621002979**
NEIC VIII 16 16 58 48.7–1.2 58.38S–.08 23.1W–.10 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 13 07 29.0–.64 58.56S–.10 23.9W–.10 10 4.1b 38 8-153
IDC VIII 16 13 07 27.4–.78 58.47S 24.07W 0 4.1L,4.1 **¶621030174**
NEIC VIII 16 13 07 29.2–.79 58.52S–.05 23.9W–.20 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 13 08 42.6–.50 58.44S–.08 23.47W–.08 10 4.5b 52 8-153
IDC VIII 16 13 08 40.9–.64 58.37S 23.53W 0 4.3L,4.2b **¶621030175**
NEIC VIII 16 13 08 43.1–1.4 58.42S–.10 23.5W–.20 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 13 10 57.8–.80 58.5S–.10 23.5W–.10 10 4.4b 25 8-153
IDC VIII 16 13 10 56.4–1.0 58.39S 23.81W 0 4.1L,4.0b **¶621030176**
NEIC VIII 16 13 10 58.2–1.4 58.5S–.10 23.6W–.10 10–2 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 13 16 50.0–.71 58.4S–.10 24.6W–.10 35 4.3b 15 8-153
IDC VIII 16 13 16 43.8–1.2 58.35S 25.73W 0 4.0b,3.9 **¶621030178**
NEIC VIII 16 13 16 52.2–.32 58.4S–.20 24.7W–.20 55–12 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 14 08 11.8–.36 57.79S–.06 23.84W–.07 10 4.9b 181 8-153
IDC VIII 16 14 08 10.2–.53 57.70S 23.85W 0 4.7L,4.6b **¶620989837**
NEIC VIII 16 14 08 11.9–1.4 57.80S–.09 23.8W–.20 10–1 5.0b,4.6b
GFZ VIII 16 14 08 12.3–.30 58S–4.0 24W–5.0 10 5.0b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 16 15 20 15.2–.69 58.44S–.10 23.3W–.10 10 4.1b 27 8-153
IDC VIII 16 15 20 14.1–.88 58.31S 23.37W 0 4.2L,4.0b **¶621030189**
NEIC VIII 16 15 20 15.5–1.6 58.4S–.20 23.2W–.30 10–2 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 17 17 36.5–.65 58.5S–.10 23.7W–.10 10 4.1b,3.5s 19 14-153
IDC VIII 16 17 17 35.4–.65 58.40S 23.73W 0 4.5L,4.2b **¶621002882**
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=17.4km az=63.0.
ISC VIII 16 15 53 57.2–.64 58.33S–.09 23.6W–.10 10 4.6b 24 8-153
IDC VIII 16 15 53 56.9–1.4 58.37S 23.53W 0 4.0b,3.9 **¶621030190**
NEIC VIII 16 15 53 57.3–1.9 58.29S–.09 23.6W–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 13 25 41.9–.69 59.0S–.10 24.4W–.10 10 4.2b 23 8-153
IDC VIII 16 13 25 39.1–1.0 58.93S 26.15W 0 4.0L,4.0b **¶621003136**
NEIC VIII 16 13 25 41.3–1.4 58.9S–.10 24.3W–.30 10–1 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 14 10 43.7–.76 59.4S–.10 25.8W–.10 40 4.6b 24 8-153
IDC VIII 16 14 10 38.0–1.4 59.16S 26.12W 0 4.6L,4.2 **¶621003081**
NEIC VIII 16 14 10 40.3–.77 59.4S–.10 25.7W–.20 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 14 13 42.6–.72 58.49S–.09 23.3W–.10 10 4.1b 33 8-153
IDC VIII 16 14 13 41.4–.92 58.46S 23.38W 0 4.5L,4.0 **¶621002970**
NEIC VIII 16 14 13 42.5–1.3 58.42S–.10 23.1W–.20 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 19 17 05.9–.26 60.17S–.06 26.80W–.06 10 5.1b,4.3s 280 8-173
IDC VIII 16 19 17 04.3–.41 60.13S 26.79W 0 5.0b,4.9L **¶620990391**
BJI VIII 16 19 17 04.9 60.20S 26.70W 10 5.0s,4.8
NEIC VIII 16 19 17 05.9–1.7 60.12S–.09 26.8W–.20 10–1 5.1b,4.8
GFZ VIII 16 19 17 06.7–.16 60S–4.0 27W–4.0 10 5.2b,5.2
GCMT VIII 16 19 17 10.6–.30 60.44S–.02 26.45W–.04 19–2 5.0W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108161917A. Moment Tensor Solution. s16,c19; s74,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.95±.22 $M_{\theta\theta}$1.05±.17; $M_{\phi\phi}$-0.09±.16; $M_{r\theta}$1.92±.40; $M_{\theta\phi}$-2.71±.12; $M_{\phi r}$0.55±.34; Best double couple: NP1:ϕ_s170.00000°,δ53.00000° ,λ-16.00000°. NP2:ϕ_s269.00000°,δ78.00000°,λ-142.00000°. Principal axes: T 3.5700,Plg16.0000°,Azm35.0000°; N -0.1160,Plg51.0000°,Azm285.0000° ; P -3.4520,Plg35.0000°,Azm136.0000° $M_0$3.51100×10^{16}
ISC VIII 16 14 15 58.8–.65 59.35S–.09 25.97W–.10 40 4.5b 33 8-153
IDC VIII 16 14 15 53.4–.99 59.19S 26.05W 0 4.7L,4.2 **¶621002944**
NEIC VIII 16 14 15 57.6–1.1 59.3S–.10 25.9W–.20 29–6 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 14 36 00.1–.64 57.74S–.06 25.30W–.06 41–5 5.1b,4.5s 302 7-175
IDC VIII 16 14 35 53.7–.37 57.66S 25.22W 0 4.8b,4.8 **¶620989838**
GFZ VIII 16 14 35 56.9–.23 58S–4.0 25W–5.0 10 5.5,5.2b
NEIC VIII 16 14 36 01.3–1.7 57.77S–.09 25.4W–.20 50–4 5.1b,5.2b
BJI VIII 16 14 36 01.0 57.80S 25.40W 40 5.0s,4.7
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=12.0km az=46.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=11.1km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 17 36 51.4–.96 60.0S–.10 25.1W–.10 10 4.3b 33 10-153
NEIC VIII 16 17 36 50.5–1.4 59.9S–.20 24.79W–.08 10–2 4.4b **¶621002966**
IDC VIII 16 17 36 51.0–1.3 59.88S 25.48W 0 4.3L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=38.9km s-min=6.7km az=0.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.3km s-min=25.2km az=47.0.
ISC VIII 16 17 40 22.6–1.9 61.0S–.30 27.6W–.60 10 8 12-153
IDC VIII 16 17 40 22.1–1.4 60.61S 27.73W 0 4.1,4.0L **¶621030195**
ISC Event type se.
IDC Error ellipse: s-maj=68.3km s-min=28.8km az=82.0.
ISC VIII 16 17 41 51.3–.64 60.52S–.09 26.56W–.10 20 4.4b,3.7s 38 8-153
IDC VIII 16 17 41 49.2–.78 60.41S 26.83W 0 4.3L,4.3 **¶621003034**
NEIC VIII 16 17 41 50.1–2.0 60.5S–.10 26.6W–.10 10–1 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 17 47 08.1–.89 58.0S–.10 23.6W–.20 10 4.0b 13 14-153
IDC VIII 16 17 47 07.0–.97 57.91S 23.64W 0 4.2L,4.2b **¶621030197**
ISC Event type se.
IDC Error ellipse: s-maj=38.1km s-min=30.1km az=59.0.

ISC VIII 16 19 52 10.4–1.1 59.8S–.20 23.9W–.20 10 10 13-154
IDC VIII 16 19 52 09.4–1.1 59.55S 23.94W 0 4.1b,4.1 **¶621002905**
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=28.7km az=56.0.
ISC VIII 16 20 49 48.1–.61 58.62S–.08 23.8W–.10 10 4.4b 38 8-153
IDC VIII 16 20 49 46.7–.72 58.52S 23.80W 0 4.2L,4.1b **¶626338542**
NEIC VIII 16 20 49 48.3–1.7 58.6S–.10 23.8W–.20 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 20 50 34.7–.45 60.30S–.04 24.87W–.05 9–2 5.5b,5.1s 732 9-177
BJI VIII 16 20 50 32.5 60.30S 24.80W 10 5.5b,5.3s **¶621237517**
IDC VIII 16 20 50 33.5–.34 60.29S 24.74W 0 5.3b,5.2
MOS VIII 16 20 50 34.1–1.2 60.31S 25.13W 11 5.6b,5.0s
NEIC VIII 16 20 50 34.3 60.25S 24.94W 10 5.6b,5.0s
NEIC VIII 16 20 50 34.3–2.2 60.25S–.08 24.9W–.20 10–1 5.5b,5.1
GFZ VIII 16 20 50 35.3–.14 60S–3.0 25W–3.0 10 5.6b,5.6
GFZ VIII 16 20 50 35.3 60.36S 24.66W 15 5.6W,5.6
NEIC VIII 16 20 50 35 59.75S 23.73W 12 5.5,5.6
GCMT VIII 16 20 50 41.5–.10 60.44S–.01 24.12W–.01 12 5.5W,5.6
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.86 $M_{\theta\theta}$0.63 $M_{\phi\phi}$2.23 $M_{r\theta}$-0.16 $M_{\theta\phi}$1.05 $M_{\phi r}$1.07 NP1: ϕ_s195.30988°,δ54.84066°,λ-102.66614°. NP2:ϕ_s36.62918°,δ37.09296°,λ-72.70846°. Principal axes: T 2.8939,Plg9.0235°,Azm294.3421°; N 0.2198,Plg10.3269°,Azm202.6839° ; P -3.1137,Plg76.2202°,Azm64.6976° $M_0$3.00985×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.35 $M_{\theta\theta}$0.18 $M_{\phi\phi}$2.16 $M_{r\theta}$0.78 $M_{\theta\phi}$1.11 $M_{\phi r}$0.12 NP1:ϕ_s8.22000°,δ42.37000° ,λ-114.37000°. NP2:ϕ_s219.74000°,δ52.13000°,λ-69.37000°. Principal axes: T 2.6975,Plg5.0000°,Azm295.0000°; N -0.1204,Plg16.0000°,Azm27.0000° ; P -2.5771,Plg73.0000°,Azm188.0000° $M_0$2.64000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108162050A. Moment Tensor Solution. s117,c197; s155,c330;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.43±.03 $M_{\theta\theta}$0.32±.03; $M_{\phi\phi}$2.11±.03; $M_{r\theta}$-0.24±.08; $M_{\theta\phi}$1.32±.02; $M_{\phi r}$-0.42±.07; Best double couple: NP1: ϕ_s207.00000°,δ40.00000°,λ-91.00000°. NP2:ϕ_s28.00000°,δ50.00000°,λ-89.00000°. Principal axes: T 2.8550,Plg5.0000°,Azm118.0000°; N -0.3810,Plg0.0000°,Azm208.0000° ; P -2.4750,Plg85.0000°,Azm303.0000° $M_0$2.66500×10^{17}
ISC VIII 16 20 11 23.0–.54 57.84S–.09 24.13W–.10 10 4.2b 43 8-154
IDC VIII 16 20 11 21.6–.74 57.65S 24.17W 0 4.1,4.0b **¶621003019**
NEIC VIII 16 20 11 23.7–1.5 57.8S–.10 24.2W–.20 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 20 28 02.5–.43 57.29S–.08 25.45W–.08 43 4.6b 82 7-155
IDC VIII 16 20 27 57.3–.58 57.21S 25.17W 0 4.6L,4.5 **¶621002934**
NEIC VIII 16 20 28 02.5–1.9 57.3S–.10 25.4W–.20 35–1 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 21 49 15.2–1.8 58.7S–.20 23.3W–.60 10 9 14-153
IDC VIII 16 21 49 13.9–1.7 58.51S 23.58W 0 4.0b,4.0 **¶621003151**
ISC Event type se.
IDC Error ellipse: s-maj=86.0km s-min=35.8km az=79.0.
ISC VIII 16 20 29 14.1–.48 58.50S–.09 23.31W–.10 10 4.5b 40 11-153
IDC VIII 16 20 29 12.4–.87 58.31S 23.37W 0 4.4b,4.4 **¶621003156**
NEIC VIII 16 20 29 14.2–2.2 58.5S–.10 23.25W–.05 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 21 53 24.7–.46 58.30S–.08 23.80W–.08 10 4.5b 53 8-153
IDC VIII 16 21 53 23.3–.65 58.18S 23.83W 0 4.4L,4.2 **¶621003062**
NEIC VIII 16 21 53 25.2–1.9 58.36S–.10 23.7W–.20 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 20 35 31.5–1.3 58.5S–.20 23.4W–.40 10 11 14-153
IDC VIII 16 20 35 29.7–1.3 58.40S 24.14W 0 3.9,3.8L **¶621003048**
ISC Event type se.
IDC Error ellipse: s-maj=80.5km s-min=28.5km az=88.0.
ISC VIII 16 22 22 52.9–.60 60.58S–.10 26.1W–.10 28 4.5b 46 9-153
NEIC VIII 16 22 22 50.7–2.3 60.4S–.10 26.0W–.20 10–1 4.6b **¶621002988**
IDC VIII 16 22 22 50.4–.80 60.54S 26.41W 0 4.7L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=13.6km az=15.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.9km s-min=17.1km az=65.0.
ISC VIII 16 21 14 04.5–.45 58.58S–.08 25.3W–.10 38 4.6b 67 8-153
IDC VIII 16 21 13 58.6–.66 58.59S 25.24W 0 4.2b,4.1 **¶621002895**
NEIC VIII 16 21 14 04.8–2.0 58.6S–.10 25.2W–.20 35–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 19 10 52.6–.42 58.00S–.07 23.68W–.08 16 4.4b 60 11-153
IDC VIII 16 19 10 50.3–.59 57.88S 23.62W 0 4.4L,4.3 **¶621030200**
NEIC VIII 16 19 10 52.1–1.8 58.03S–.09 23.7W–.20 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 22 34 44.5–.47 58.40S–.08 25.08W–.08 28 4.4b,3.6s 53 8-153
IDC VIII 16 22 34 40.9–.69 58.33S 25.22W 0 4.7L,4.2 **¶621030212**
NEIC VIII 16 22 34 44.1–1.3 58.42S–.10 25.0W–.20 22–5 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 23 27 53.3–1.1 58.9S–.20 23.9W–.20 10 10 13-153
IDC VIII 16 23 27 52.3–1.1 58.74S 24.10W 0 4.9L,4.3 **¶621002963**
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=25.5km az=79.0.
ISC VIII 16 22 54 43.8–.79 60.0S–.10 25.8W–.10 16 4.5b 24 9-153
IDC VIII 16 22 54 42.0–1.2 59.92S 25.89W 0 4.2L,4.2 **¶621003049**
NEIC VIII 16 22 54 44.4–.61 60.0S–.20 26.1W–.10 10–2 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 00 17 01.2–1.2 58.8S–.20 23.8W–.30 10 9 14-149
IDC VIII 17 00 17 00.7–1.5 58.49S 23.71W 0 3.9,3.8L **¶621010846**
ISC Event type se.
IDC Error ellipse: s-maj=58.3km s-min=33.0km az=61.0.
ISC VIII 16 22 59 36.6–.59 57.50S–.10 24.8W–.10 10 4.1b 31 15-152
IDC VIII 16 22 59 34.5–.84 57.30S 24.77W 0 4.1L,3.8 **¶621030213**
NEIC VIII 16 22 59 37.5–1.1 57.6S–.10 24.9W–.20 10–1 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 23 04 50.6–.50 59.79S–.07 26.14W–.09 16 4.6b 46 8-153
IDC VIII 16 23 04 48.5–.84 59.76S 26.29W 0 4.8L,4.2 **¶621003055**
NEIC VIII 16 23 04 53.8–1.7 59.80S–.09 26.2W–.20 35–2 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 23 17 16.0–1.6 58.7S–.20 23.4W–.60 10 10 14-153
IDC VIII 16 23 17 14.7–1.5 58.52S 23.66W 0 4.3L,4.0 **¶621030214**
ISC Event type se.

IDC Error ellipse: s-maj=84.1km s-min=33.1km az=77.0.
ISC VIII 17 00 28 34.2–.84 58.8S–.10 25.1W–.30 35 3.8b 13 14-153
IDC VIII 17 00 28 29.1–.87 58.72S 25.45W 0 4.0b,4.0 ¶621030219
ISC Event type se.
IDC Error ellipse: s-maj=52.7km s-min=21.4km az=85.0.
ISC VIII 16 23 37 24.1–.49 59.52S–.04 26.30W–.04 44–4 5.5b,5.0s 736 8-177
IDC VIII 16 23 37 17.7–.32 59.43S 26.32W 0 5.4b,5.4 ¶620990399
GFZ VIII 16 23 37 21.1 59.54S 26.27W 47 5.5W,5.4
BJI VIII 16 23 37 21.8 59.50S 26.20W 40 5.4s,5.4b
MOS VIII 16 23 37 22.5–.89 59.55S 26.42W 37 5.6b,4.8s
NEIC VIII 16 23 37 24.1–2.2 59.54S–.07 26.3W–.10 41–3 5.6b,5.0
NEIC VIII 16 23 37 24.5 59.63S 25.72W 46 5.5,5.0
NEIC VIII 16 23 37 24.1 59.53S 26.31W 42 5.5,5.0
GFZ VIII 16 23 37 26.5–.31 60S–3.0 26W–2.0 54–2 5.6b,5.5
GCMT VIII 16 23 37 29.2–.10 59.79S–.01 25.58W–.01 49–0 5.5W,5.5
PTWC VIII 16 23 37 32 59.70S 26.20W 125 5.8,5.5
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=11.9km az=56.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.35 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$-1.61 $M_{r\theta}$-0.33 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.36 NP1: ϕ_s211.92293°,δ42.93729°,λ102.71076°. NP2:ϕ_s14.79907°,δ48.35575°,λ78.42967°. Principal axes: T 2.4276,Plg80.9486°,Azm220.4426°; N -0.5985,Plg8.6202°,Azm22.5463° ; P -1.8291,Plg2.7396°,Azm112.9619° $M_0$2.19058×10^{17}
MOS Error ellipse: s-maj=19.4km s-min=9.1km az=100.3.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.6km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.16 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-1.93 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.74 $M_{\phi r}$0.17 NP1:ϕ_s196.50000°,δ41.99000° ,λ84.06000°. NP2:ϕ_s24.47000°,δ48.28000°,λ95.32000°. Principal axes: T 2.1880,Plg85.0000°,Azm342.0000°; N 0.0323,Plg4.0000°,Azm201.0000° ; P -2.2202,Plg3.0000°,Azm111.0000° $M_0$2.20000×10^{17}
NEIC Event type se.
GFZ Error ellipse: s-maj=7.0km s-min=4.7km az=18.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108162337A. Moment Tensor Solution. s140,c249; s143,c278;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.36±.03 $M_{\theta\theta}$0.01±.03; $M_{\phi\phi}$-2.38±.02; $M_{r\theta}$-0.03±.02; $M_{\theta\phi}$-0.86±.02; $M_{\phi r}$0.12±.02; Best double couple: NP1: ϕ_s200.00000°,δ44.00000°,λ93.00000°. NP2:ϕ_s16.00000°,δ46.00000°,λ87.00000°. Principal axes: T 2.3650,Plg88.0000°,Azm231.0000°; N 0.2850,Plg2.0000°,Azm18.0000° ; P -2.6580,Plg1.0000°,Azm108.0000° $M_0$2.51100×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.
ISC VIII 16 23 24 53.8–.43 58.72S–.08 25.04W–.09 28 4.5b 52 8-153
IDC VIII 16 23 24 49.9–.56 58.59S 25.16W 0 4.6L,4.3b ¶621003091
NEIC VIII 16 23 24 51.4–.79 58.66S–.10 24.9W–.20 10–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 01 17 28.3–.65 59.18S–.10 26.1W–.10 70 4.7b 31 14-153
IDC VIII 17 01 17 21.2–1.1 58.70S 26.03W 0 4.1b,4.1 ¶621010827
NEIC VIII 17 01 17 25.4–1.2 59.1S–.10 26.0W–.30 35–7 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 03 10 51.3–.49 57.96S–.04 24.06W–.04 16–2 5.4b,5.1s 564 8-175
IDC VIII 17 03 10 48.7–.34 57.85S 23.90W 0 5.8L,5.0b ¶621237519
NEIC VIII 17 03 10 50.0–1.1 58.03S–.10 23.9W–.20 10–1 5.6,5.6b
MOS VIII 17 03 10 49.7–1.0 57.96S 24.03W 14 5.5b,4.9s
NEIC VIII 17 03 10 50 58.04S 23.91W 10 5.5b,4.9s
GFZ VIII 17 03 10 50.8–.21 58S–3.0 24W–4.0 10 5.7,5.6b
PTWC VIII 17 03 10 51 58.00S 23.90W 15 5.7,5.6b
GFZ VIII 17 03 10 51.2 58.03S 24.03W 21 5.7W,5.6b
GCMT VIII 17 03 10 54.4–.10 57.97S–.01 23.36W–.01 22–0 5.6W,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26 $M_{\theta\theta}$-2.71 $M_{\phi\phi}$2.97 $M_{r\theta}$-0.20 $M_{\theta\phi}$1.06 $M_{\phi r}$0.32 NP1:ϕ_s145.28000°,δ89.40000°,λ-172.72000°. NP2:ϕ_s55.21000°,δ82.72000° ,λ-0.61000°. Principal axes: T 3.1822,Plg5.0000°,Azm280.0000°; N -0.2590,Plg83.0000° ,Azm150.0000°; P -2.9231,Plg6.0000°,Azm10.0000° $M_0$3.06000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PTWC SOUTH SANDWICH ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.20 $M_{\theta\theta}$-4.29 $M_{\phi\phi}$4.10 $M_{r\theta}$-0.73 $M_{\theta\phi}$1.15 $M_{\phi r}$0.54 NP1: ϕ_s142.86484°,δ87.66318°,λ-168.82101°. NP2:ϕ_s52.40317°,δ78.83043°,λ-2.38196°. Principal axes: T 4.2998,Plg6.2084°,Azm277.1142°; N 0.2835,Plg78.5824°,Azm154.5225° ; P -4.5833,Plg9.5441°,Azm8.1622° $M_0$4.44834×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108170310A. Moment Tensor Solution. s137,c253; s156,c326;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.70±.04 $M_{\theta\theta}$-3.11±.04; $M_{\phi\phi}$3.81±.04; $M_{r\theta}$-0.68±.06; $M_{\theta\phi}$0.84±.03; $M_{\phi r}$0.30±.06; Best double couple: NP1:ϕ_s51.00000° ,δ78.00000°,λ-9.00000°. NP2:ϕ_s143.00000°,δ82.00000°,λ-167.00000°. Principal axes: T 3.9210,Plg3.0000°,Azm277.0000°; N -0.5250,Plg75.0000°,Azm176.0000° ; P -3.3990,Plg15.0000°,Azm7.0000° $M_0$3.66000×10^{17}
ISC VIII 17 01 19 19.2–.58 59.70S–.09 25.9W–.10 40 4.7b 30 13-150
IDC VIII 17 01 19 15.5–1.5 59.49S 26.17W 0 3.9,3.8L ¶621030225
NEIC VIII 17 01 19 18.7–1.5 59.7S–.10 25.8W–.20 35–2 4.7b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 16 23 52 15.3–1.8 58.22S 23.91W 0 4.0b,4.0 ¶621030215
IDC Error ellipse: s-maj=75.8km s-min=46.8km az=2.0.
ISC VIII 17 00 43 33.8–1.0 56.6S–.20 25.5W–.30 29 4.1b 7 16-151
IDC VIII 17 00 43 29.6–1.3 56.51S 25.49W 0 3.9b,3.9 ¶621030221
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=27.5km az=71.0.
ISC VIII 17 00 47 23.5–1.1 58.7S–.20 23.5W–.30 10 8 14-149
IDC VIII 17 00 47 24.4–1.2 58.10S 23.27W 0 3.7b,3.7 ¶621030222
ISC Event type se.
IDC Error ellipse: s-maj=52.3km s-min=30.5km az=84.0.
ISC VIII 17 03 16 29.9–.52 57.93S–.09 23.61W–.10 16 4.4b 39 8-153
NEIC VIII 17 03 16 28.3–1.7 58.0S–.10 23.5W–.20 10–1 4.5b ¶621010857
IDC VIII 17 03 16 28.3–.76 57.81S 23.65W 0 4.8L,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=15.0km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=21.7km az=9.0.
ISC VIII 17 03 35 39.5–1.1 57.7S–.20 25.0W–.30 15 8 15-152
IDC VIII 17 03 35 37.8–1.3 57.55S 25.27W 0 3.7L,3.6b ¶621010920
ISC Event type se.
IDC Error ellipse: s-maj=54.6km s-min=28.2km az=73.0.
IDC VIII 17 01 56 44.5–1.4 58.57S 25.26W 0 3.7b,3.6L ¶621030226
IDC Error ellipse: s-maj=44.8km s-min=36.7km az=51.0.
ISC VIII 17 00 13 20.5–.75 58.3S–.10 23.8W–.20 10 4.1b 16 14-153
IDC VIII 17 00 13 19.1–.76 58.27S 23.83W 0 4.1L,4.1b ¶621010765
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=19.8km az=72.0.
ISC VIII 17 03 44 08.7–.61 59.59S–.09 26.5W–.10 35 4.5b 37 8-153
IDC VIII 17 03 44 04.3–.87 59.55S 26.61W 0 4.7L,4.1 ¶621010776
NEIC VIII 17 03 44 09.7–1.7 59.5S–.10 26.6W–.10 35–2 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 00 15 40.2–1.0 58.3S–.10 23.7W–.20 10 11 14-153
IDC VIII 17 00 15 38.8–1.1 58.26S 23.82W 0 3.9L,3.9b ¶621030218
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=28.8km az=81.0.
ISC VIII 17 06 21 25.6–.54 58.46S–.09 23.1W–.10 10 4.2b,3.4s 29 9-153
IDC VIII 17 06 21 24.2–.84 58.43S 23.29W 0 4.0L,4.0b ¶621030237
NEIC VIII 17 06 21 25.6–1.7 58.48S–.06 23.1W–.20 10–1 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 17 01 14 20.2–1.8 56.03S 25.54W 0 4.1L,3.8 ¶621030224
IDC Error ellipse: s-maj=57.6km s-min=47.4km az=46.0.
ISC VIII 17 07 32 18.3–.65 57.00S–.09 25.2W–.10 22 4.5b,3.6s 39 7-152
IDC VIII 17 07 32 14.7–.76 56.86S 24.75W 0 4.3L,4.3 ¶621010889
NEIC VIII 17 07 32 21.1–2.1 57.1S–.10 25.4W–.20 35–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 06 32 53.6–1.1 60.1S–.20 26.5W–.30 26 9 13-153
IDC VIII 17 06 32 50.7–1.4 59.82S 26.76W 0 4.1L,3.9 ¶621010814
ISC Event type se.
IDC Error ellipse: s-maj=55.6km s-min=30.6km az=60.0.
ISC VIII 17 02 19 46.2–.62 58.48S–.09 23.1W–.10 10 4.2b 24 9-153
IDC VIII 17 02 19 45.1–.90 58.49S 23.46W 0 3.9b,3.9 ¶621010874
NEIC VIII 17 02 19 46.4–1.6 58.5S–.10 23.1W–.10 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 09 23 30.9–.91 58.5S–.10 23.6W–.20 10 3.9b 13 14-153
IDC VIII 17 09 23 29.5–.93 58.51S 23.64W 0 4.4L,3.9b ¶621030247
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=21.1km az=75.0.
ISC VIII 17 02 26 32.7–.72 57.6S–.10 24.5W–.20 10 4.4b 29 15-152
NEIC VIII 17 02 26 30.7–1.5 57.5S–.20 23.9W–.10 10–2 4.5b ¶621010864
IDC VIII 17 02 26 31.2–.77 57.71S 24.96W 0 4.1b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=7.7km az=22.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.7km s-min=19.9km az=72.0.
ISC VIII 17 04 30 05.7–.71 57.1S–.10 24.7W–.10 10 4.5b 25 7-152
IDC VIII 17 04 30 05.0–1.9 57.09S 24.86W 0 4.2,4.1b ¶621030229
NEIC VIII 17 04 30 06.0–1.4 57.1S–.10 24.8W–.10 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 04 34 60.0–.50 58.83S–.08 24.7W–.10 10 4.3b 40 14-153
IDC VIII 17 04 34 58.9–.65 58.74S 24.76W 0 4.2b,4.2 ¶621030230
NEIC VIII 17 04 35 00.1–1.4 58.80S–.06 24.7W–.30 10–1 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 07 38 49.3–.90 57.0S–.10 24.6W–.10 10 4.3b 20 7-152
IDC VIII 17 07 38 49.0–1.2 57.18S 25.16W 0 4.1b,4.0 ¶621030240
NEIC VIII 17 07 38 51.6–2.1 57.0S–.10 24.2W–.10 35–2 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 17 07 44 03.6–1.3 57.48S 23.81W 0 3.8,3.7b ¶621030241
IDC Error ellipse: s-maj=57.2km s-min=27.5km az=107.0.
ISC VIII 17 07 51 06.6–.65 57.82S–.09 23.8W–.10 10 4.0b 32 8-153
IDC VIII 17 07 51 05.3–.77 57.69S 23.88W 0 4.6L,4.1 ¶621030242
NEIC VIII 17 07 51 10.3–1.8 57.8S–.10 23.9W–.20 32–5 4.1b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 09 59 02.7–1.2 59.6S–.20 25.4W–.40 32 3.6b 9 13-153
IDC VIII 17 09 58 57.5–1.4 59.51S 26.14W 0 3.8b,3.7 ¶621010767
ISC Event type se.
IDC Error ellipse: s-maj=104.8km s-min=29.0km az=98.0.
ISC VIII 17 08 03 28.4–.65 57.08S–.09 24.9W–.10 22 4.3b,3.7s 37 7-152
IDC VIII 17 08 03 25.2–.75 57.00S 24.87W 0 4.2b,4.2 ¶621010913
NEIC VIII 17 08 03 31.9–.82 57.1S–.10 25.0W–.20 52–7 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 05 23 06.8–.48 60.51S–.08 26.82W–.09 19 4.4b,3.8s 47 8-153
NEIC VIII 17 05 23 05.4–1.2 60.55S–.10 26.8W–.20 10–1 4.4b,3.8s ¶621030234
IDC VIII 17 05 23 05.2–.77 60.32S 26.94W 0 4.5L,4.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=5.6km az=226.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.2km s-min=21.3km az=73.0.
ISC VIII 17 10 23 22.8–.43 59.91S–.07 26.70W–.08 26 4.7b,3.7s 77 8-153
IDC VIII 17 10 23 19.5–.54 59.85S 26.66W 0 4.3L,4.3b ¶621010738
NEIC VIII 17 10 23 21.4–1.4 59.89S–.08 26.6W–.20 13–4 4.8b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 05 34 18.1–.59 57.80S–.09 23.15W–.10 10 4.0b 31 8-153
NEIC VIII 17 05 34 17.9–1.0 57.88S–.06 23.1W–.20 10–1 4.1b ¶622451551
IDC VIII 17 05 34 33.0–1.2 59.52S 26.84W 0 4.5L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=3.6km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.0km s-min=26.3km az=43.0.
ISC VIII 17 08 17 20.1–.41 58.64S–.07 25.10W–.09 28 4.8b,3.8s 117 8-153
IDC VIII 17 08 17 16.5–.54 58.53S 25.31W 0 4.4L,4.2b ¶621010830
NEIC VIII 17 08 17 21.2–1.8 58.7S–.10 24.9W–.20 35–1 4.9b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 10 28 34.5–1.3 59.3S–.20 24.6W–.40 10 9 13-153
IDC VIII 17 10 28 33.0–1.3 59.13S 25.32W 0 4.1L,4.0b ¶621030254
ISC Event type se.
IDC Error ellipse: s-maj=72.9km s-min=27.7km az=87.0.
ISC VIII 17 08 19 49.4–.85 58.7S–.10 25.3W–.20 10 3.8b 14 14-153
IDC VIII 17 08 19 48.4–.90 58.67S 25.41W 0 4.2L,4.0 ¶621030244
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=21.6km az=73.0.
ISC VIII 17 10 29 23.8–.59 56.99S–.09 25.2W–.10 22 4.5b 36 7-152
IDC VIII 17 10 29 21.1–.90 56.92S 25.06W 0 4.1b,4.1 ¶620990448
NEIC VIII 17 10 29 22.5–1.6 57.0S–.10 25.2W–.20 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 11 03 48.0–.45 55.49S–.07 28.65W–.08 45 4.7b,3.8s 63 5-152
IDC VIII 17 11 03 42.1–.58 55.30S 28.25W 0 4.5b,4.5 ¶621010784
NEIC VIII 17 11 03 43.9–1.3 55.5S–.10 28.5W–.20 10–5 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 14 54 40.8–.86 57.39S–.10 26.0W–.10 65 4.2b 18 7-151
IDC VIII 17 14 54 31.9–1.1 57.24S 25.57W 0 3.9b,3.9 ¶621030278
NEIC VIII 17 14 54 39.8–1.2 57.4S–.10 25.9W–.30 54–7 4.2b,3.9
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 11 24 14.5–.65 58.83S–.09 25.03W–.10 18 4.3b 33 8-153
NEIC VIII 17 11 24 12.7–2.3 58.81S–.10 24.8W–.20 10–1 4.4b **¶621010927**
IDC VIII 17 11 24 12.3–1.0 58.65S 25.11W 0 4.3L,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=16.2km az=30.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.9km s-min=22.4km az=97.0.
ISC VIII 17 11 51 32.0–.91 58.6S–.20 23.1W–.30 10 3.9b 13 14-153
IDC VIII 17 11 51 30.7–.96 58.46S 23.25W 0 4.0b,4.0 **¶621030260**
ISC Event type se.
IDC Error ellipse: s-maj=48.4km s-min=24.3km az=76.0.
ISC VIII 17 12 30 30.7–1.4 60.3S–.20 25.3W–.40 10 8 13-154
IDC VIII 17 12 30 28.9–1.5 60.18S 25.94W 0 3.9b,3.9 **¶621030265**
ISC Event type se.
IDC Error ellipse: s-maj=72.9km s-min=29.0km az=83.0.
ISC VIII 17 12 52 05.3–.69 56.94S–.10 25.5W–.10 35 4.3b,3.6s 31 7-151
IDC VIII 17 12 52 00.3–.84 56.75S 24.91W 0 4.0L,4.0b **¶621030266**
NEIC VIII 17 12 52 07.9–1.5 57.07S–.07 25.9W–.20 44–11 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 12 56 20.7–.58 55.31S–.10 28.15W–.10 26 4.3b 33 5-151
IDC VIII 17 12 56 17.3–.73 55.27S 27.98W 0 4.5L,4.3b **¶621030267**
NEIC VIII 17 12 56 19.0–1.4 55.4S–.10 28.2W–.10 10–1 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 08 54 12.5–.59 56.98S–.08 24.62W–.10 10 4.3b,3.6s 49 7-152
IDC VIII 17 08 54 11.0–.67 56.94S 24.57W 0 4.2b,4.2 **¶621010883**
NEIC VIII 17 08 54 16.5–1.1 57.0S–.10 24.7W–.20 35–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 09 08 06.2–.83 59.8S–.10 26.1W–.10 16 4.3b 30 9-153
IDC VIII 17 09 08 04.7–.90 59.76S 26.49W 0 4.8L,4.1 **¶621010884**
NEIC VIII 17 09 08 08.1–1.1 59.8S–.20 25.8W–.30 38–11 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 15 13 16.3–.55 58.51S–.08 23.29W–.09 10 4.2b,3.4s 31 8-153
IDC VIII 17 15 13 14.6–.92 58.37S 23.31W 0 4.3L,4.0b **¶621010773**
NEIC VIII 17 15 13 16.9–.95 58.53S–.10 23.3W–.20 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 12 00 25.7–1.6 58.7S–.10 22.9W–.50 10 9 13-149
IDC VIII 17 12 00 23.3–2.1 58.55S 23.89W 0 3.8L,3.7 **¶621030261**
ISC Event type se.
IDC Error ellipse: s-maj=106.9km s-min=29.4km az=95.0.
ISC VIII 17 12 59 38.5–.70 58.44S–.10 23.8W–.10 10 3.8b 29 8-153
IDC VIII 17 12 59 37.2–.80 58.27S 23.72W 0 3.9L,3.9b **¶621030268**
NEIC VIII 17 12 59 39.2–1.4 58.6S–.10 23.9W–.20 10–2 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 15 23 46.6–.73 59.86S–.10 25.8W–.10 16 4.2b 31 8-153
IDC VIII 17 15 23 44.4–.83 59.81S 26.13W 0 4.5L,4.2b **¶621010936**
NEIC VIII 17 15 23 45.7–2.8 59.81S–.08 25.7W–.30 10–2 4.3b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 13 03 24.9–1.1 58.8S–.10 24.7W–.40 35 12 14-153
IDC VIII 17 13 03 19.2–1.1 58.64S 25.66W 0 4.2L,3.9 **¶621030270**
ISC Event type se.
IDC Error ellipse: s-maj=66.7km s-min=25.8km az=89.0.
ISC VIII 17 13 04 35.0–.76 58.9S–.10 23.8W–.10 10 19 11-153
IDC VIII 17 13 04 34.4–1.5 58.71S 24.01W 0 4.3L,4.1 **¶621010745**
NEIC VIII 17 13 04 35.2–1.8 58.8S–.10 23.9W–.10 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 17 15 02.6–.55 57.25S–.09 23.91W–.08 10 4.3b 41 8-152
IDC VIII 17 17 15 01.8–.74 57.36S 24.20W 0 4.1b,4.1 **¶621010906**
NEIC VIII 17 17 15 05.4–1.2 57.3S–.10 23.8W–.20 33–5 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 13 23 40.6–.73 58.91S–.09 24.4W–.10 10 3.9b 22 8-153
IDC VIII 17 13 23 39.5–.99 58.90S 24.81W 0 4.6L,3.9 **¶621010803**
NEIC VIII 17 13 23 40.8–2.2 59.0S–.10 24.4W–.10 10–2 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 13 24 33.8–.63 59.13S–.10 25.82W–.09 35 3.9b 24 8-153
IDC VIII 17 13 24 29.6–1.2 59.01S 25.80W 0 4.1L,4.1 **¶621030271**
NEIC VIII 17 13 24 34.0–1.5 59.1S–.10 25.9W–.20 35–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 13 27 28.0–1.2 59.4S–.20 24.8W–.20 10 9 13-150
IDC VIII 17 13 27 27.3–1.4 59.15S 24.92W 0 4.6L,4.0 **¶621030273**
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=31.5km az=51.0.
ISC VIII 17 15 45 51.6–.92 59.9S–.10 26.3W–.20 26 4.3b 22 8-95
IDC VIII 17 15 45 47.9–1.2 59.70S 26.37W 0 4.6L,4.0b **¶621010818**
NEIC VIII 17 15 45 52.6–.82 59.9S–.10 26.3W–.30 35–2 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 15 55 22.8–.57 59.74S–.09 26.61W–.09 35 4.2b,3.4s 31 13-150
IDC VIII 17 15 55 17.6–.98 59.52S 26.62W 0 4.3L,4.2 **¶621010891**
NEIC VIII 17 15 55 23.6–2.1 59.8S–.10 26.7W–.10 35–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 12 16 00.7–.45 58.40S–.08 23.69W–.08 10 4.4b,3.5s 58 8-154
IDC VIII 17 12 15 59.4–.53 58.33S 23.73W 0 4.9L,4.3b **¶621030263**
NEIC VIII 17 12 16 01.0–1.7 58.36S–.08 23.6W–.20 10–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 17 53 27.4–.17 58.10S–.03 25.49W–.04 36–3 6.1b,5.9s 1576 7-175
BJI VIII 17 17 53 19.9 57.62S 24.95W 10 6.2s,6.1 **¶620993293**
IDC VIII 17 17 53 25.8–1.1 57.91S 25.33W 22–6 5.8s,5.7
ISC-P VIII 17 17 53 26 58.03S 25.42W 15–0 6.5,5.7
MOS VIII 17 17 53 26.9–.90 58.01S 25.48W 39 6.2b,5.9s
NEIC VIII 17 17 53 26.8–1.6 58.03S–.08 25.4W–.10 33–2 6.2b,6.1
NEIC VIII 17 17 53 27.1 58.01S 25.47W 30 6.2b,6.1
NEIC VIII 17 17 53 28 58.01S 25.48W 36 6.2b,6.1
IPGP VIII 17 17 53 29.0 58.02S 25.47W 33 6.1W,6.1
GFZ VIII 17 17 53 29.3 58.00S 25.57W 35 6.1W,6.1
GFZ VIII 17 17 53 29.3–.33 58S–2.0 26W–2.0 44–3 6.4b,6.2
PTWC VIII 17 17 53 31 58.00S 25.40W 75 6.3,6.2
GCMT VIII 17 17 53 32.1–.10 58.04S 24.78W 39–0 6.1W,6.2
NEIC VIII 17 17 53 34.7 58.01S 25.28W 40 6.1,6.2
ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=10.2km az=46.0.
ISC-P Moment Tensor Solution. s28 Moment tensor: Scale 10^{18}Nm; M_{rr}0.57±.15 $M_{\theta\theta}$0.20±.17; $M_{\phi\phi}$-0.75±.16; $M_{r\theta}$0.09±.21; $M_{\theta\phi}$0.16±.28; $M_{\phi r}$-0.02±.12; NP1:ϕ_s11.60000°,δ52.80000°,λ104.10000°. NP2:ϕ_s168.90000°,δ39.40000°,λ72.20000°. $M_0$7.50000×10^{18}
MOS Error ellipse: s-maj=16.1km s-min=8.4km az=98.7.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.7km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.34 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.37 $M_{r\theta}$-0.26 $M_{\theta\phi}$0.71 $M_{\phi r}$0.38 NP1:ϕ_s332.94000°,δ53.49000°,λ84.29000°. NP2:ϕ_s162.48000°,δ36.89000°,λ97.65000°. Principal axes: T 1.4093,Plg80.0000°,Azm218.0000°; N 0.3199,Plg5.0000°,Azm336.0000°; P -1.7292,Plg8.0000°,Azm67.0000° $M_0$1.59000×10^{18}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s172.00000°,δ33.00000°,λ98.00000°. NP2:ϕ_s343.00000°,δ57.00000°,λ85.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.41 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.45 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.28 $M_{\phi r}$0.45 NP1: ϕ_s166.67501°,δ36.60291°,λ85.07152°. NP2:ϕ_s352.80590°,δ53.55427°,λ93.65114°. Principal axes: T 1.4801,Plg81.0119°,Azm279.5578°; N 0.0894,Plg2.9363°,Azm170.6350°; P -1.5696,Plg8.4874°,Azm80.1964° $M_0$1.52682×10^{18}
GFZ Error ellipse: s-maj=5.8km s-min=4.1km az=34.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108171753A. Moment Tensor Solution. s166,c389; s167,c647;Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}1.74±.01 $M_{\theta\theta}$0.13±.01; $M_{\phi\phi}$-1.87±.01; $M_{r\theta}$-0.18±.01; $M_{\theta\phi}$0.19±.01; $M_{\phi r}$0.77±.01; Best double couple: NP1:ϕ_s178.00000°,δ33.00000°,λ96.00000°. NP2:ϕ_s351.00000°,δ57.00000°,λ86.00000°. Principal axes: T 1.9070,Plg78.0000°,Azm249.0000°; N 0.1390,Plg3.0000°,Azm353.0000°; P -2.0500,Plg12.0000°,Azm84.0000° $M_0$1.97900×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s1 Moment tensor: Scale 10^{18}Nm; M_{rr}1.70 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-1.69 $M_{r\theta}$-0.52 $M_{\theta\phi}$0.14 $M_{\phi r}$0.84 NP1:ϕ_s186.98000°,δ32.41000°,λ111.05000°. NP2:ϕ_s342.47000°,δ59.99000°,λ77.15000°. Principal axes: T 2.0132,Plg72.0000°,Azm222.0000°; N -0.0909,Plg11.0000°,Azm349.0000°; P -1.9224,Plg14.0000°,Azm82.0000° $M_0$1.97000×10^{18}
ISC VIII 17 20 27 59.9–1.2 58.3S–.10 23.4W–.50 10 12 14-153
IDC VIII 17 20 27 58.4–1.2 58.34S 24.01W 0 4.2L,4.0b **¶621010917**
ISC Event type se.
IDC Error ellipse: s-maj=71.9km s-min=25.2km az=84.0.
ISC VIII 18 00 19 20.9–.29 59.03S–.06 25.41W–.07 35 5.0b,4.0s 174 8-174
IDC VIII 18 00 19 15.9–.39 58.95S 25.70W 0 4.6b,4.6 **¶621237526**
GFZ VIII 18 00 19 15.8–.53 59S–8.0 25W–10 10 5.2b,5.2
NEIC VIII 18 00 19 21.1–1.3 59.1S–.10 25.5W–.20 37–5 5.1b,5.2
GCMT VIII 18 00 19 24.6–.40 59.26S–.03 25.09W–.04 40–0 5.0W,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108180019A. Moment Tensor Solution. s25,c30; s66,c77; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.74±.32 $M_{\theta\theta}$-0.78±.19; $M_{\phi\phi}$-3.96±.18; $M_{r\theta}$-0.89±.17; $M_{\theta\phi}$-0.59±.10; $M_{\phi r}$0.40±.12; Best double couple: NP1:ϕ_s200.00000°,δ44.00000°,λ104.00000°. NP2:ϕ_s0.00000°,δ47.00000°,λ77.00000°. Principal axes: T 4.9080,Plg80.0000°,Azm199.0000°; N -0.8310,Plg10.0000°,Azm9.0000°; P -4.0730,Plg2.0000°,Azm100.0000° $M_0$4.49000×10^{16}
ISC VIII 17 20 36 39.7–1.2 59.2S–.10 26.3W–.30 10 12 14-153
IDC VIII 17 20 36 37.9–1.1 59.12S 26.96W 0 4.4L,4.2 **¶621010858**
ISC Event type se.
IDC Error ellipse: s-maj=60.1km s-min=22.2km az=90.0.
ISC VIII 17 20 42 14.7–.38 59.64S–.07 26.09W–.07 40 4.8b,4.0s 111 8-158
IDC VIII 17 20 42 09.2–.46 59.53S 26.03W 0 4.4b,4.4 **¶621010870**
NEIC VIII 17 20 42 20.9–1.5 59.6S–.10 26.3W–.20 91–6 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 22 34 58.9–.71 57.1S–.10 25.1W–.10 22 4.1b 30 7-153
IDC VIII 17 22 34 55.6–.82 57.02S 24.90W 0 4.2L,4.0b **¶621010822**
NEIC VIII 17 22 35 01.3–1.3 57.2S–.10 25.2W–.20 35–8 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 18 56 17.3–.84 59.3S–.10 23.4W–.20 10 4.1b 17 13-174
IDC VIII 17 18 56 16.0–.87 59.08S 23.52W 0 4.3L,4.2b **¶621030289**
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=21.7km az=67.0.
ISC VIII 18 00 26 16.7–1.0 60.4S–.20 26.0W–.30 10 4.0b 6 15-153
IDC VIII 18 00 26 14.3–.94 60.36S 25.45W 0 4.1L,4.0 **¶621030321**
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=21.4km az=77.0.
IDC VIII 17 19 24 33.9–1.9 58.66S 24.73W 0 3.7b,3.6 ¶621030292
IDC Error ellipse: s-maj=98.5km s-min=40.0km az=76.0.
ISC VIII 17 22 52 57.8–.65 57.93S–.09 25.8W–.10 35 4.3b 30 7-153
IDC VIII 17 22 52 52.3–.91 57.80S 25.58W 0 4.1L,4.1 **¶621030314**
NEIC VIII 17 22 52 59.1–1.0 58.0S–.10 25.7W–.30 43–4 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 18 00 36 12.5–1.1 57.84S 25.43W 0 3.7b,3.7 ¶621030323
IDC Error ellipse: s-maj=54.5km s-min=27.7km az=89.0.
ISC VIII 18 00 46 10.3–.75 58.6S–.10 25.2W–.10 35 4.5b 24 10-153
IDC VIII 18 00 46 05.5–1.0 58.48S 25.34W 0 4.2L,3.9 **¶621030324**
NEIC VIII 18 00 46 11.5–1.8 58.67S–.09 25.2W–.30 40–9 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 21 05 27.1–1.3 57.9S–.10 25.4W–.30 10 4.0b 12 15-152
IDC VIII 17 21 05 25.6–1.2 57.86S 25.64W 0 4.7L,4.1 **¶621030308**
ISC Event type se.
IDC Error ellipse: s-maj=58.2km s-min=23.3km az=90.0.
ISC VIII 18 00 49 47.8–.47 57.91S–.08 25.68W–.10 35 4.3b,3.6s 42 10-152
IDC VIII 18 00 49 42.1–.59 57.86S 25.50W 0 4.2b,4.2 **¶621030325**
NEIC VIII 18 00 49 48.1–.92 57.9S–.10 25.7W–.20 38–5 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 02 05 33.2–.44 56.76S–.08 25.23W–.09 22 4.7b,3.5s 65 7-154
IDC VIII 18 02 05 30.4–.55 56.73S 25.18W 0 4.4L,4.3 **¶621030327**
NEIC VIII 18 02 05 33.1–1.3 56.8S–.10 25.2W–.20 20–4 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 21 32 14.4–.98 58.6S–.10 23.4W–.30 10 3.6b 12 14-153
IDC VIII 17 21 32 13.2–.96 58.57S 23.81W 0 4.3L,4.0 **¶621010890**
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=22.5km az=81.0.
ISC VIII 17 21 46 15.1–.57 60.27S–.09 23.9W–.10 10 4.3b,4.2s 35 12-154
IDC VIII 17 21 46 13.9–.90 60.18S 24.20W 0 4.4L,4.2s **¶621010815**
NEIC VIII 17 21 46 15.5–.71 60.3S–.10 24.0W–.20 10–1 4.4b,4.2s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 23 13 03.8–1.2 58.6S–.10 22.8W–.30 10 4.0b 13 14-154
IDC VIII 17 23 13 01.9–1.1 58.45S 23.14W 0 4.1L,4.1b **¶621010851**
ISC Event type se.
IDC Error ellipse: s-maj=47.5km s-min=21.5km az=100.0.
ISC VIII 17 23 39 20.9–1.1 58.9S–.20 23.9W–.20 10 10 13-153
IDC VIII 17 23 39 20.2–1.1 58.67S 23.97W 0 4.9L,4.4 **¶621010921**
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=31.6km az=54.0.

ISC VIII 17 19 40 33.4–.89 59.67S–.05 26.24W–.06 49–7 5.2b,4.4s 323 8-173
IDC VIII 17 19 40 26.8–.35 59.60S 26.39W 0 5.6L,5.0 **¶620993342**
NEIC VIII 17 19 40 34.2–1.2 59.69S–.09 26.3W–.20 55–4 5.2b,5.0
GFZ VIII 17 19 40 36.0–.35 60S–5.0 26W–3.0 61–3 5.3b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 18 02 10 12.8–1.2 59.8S–.20 26.0W–.20 50 6 15-153
IDC VIII 18 02 10 06.1–1.2 59.48S 26.37W 0 4.2L,4.0 **¶621030328**
ISC Event type se.
IDC Error ellipse: s-maj=43.2km s-min=27.8km az=96.0.
ISC VIII 17 19 52 08.1–.62 58.26S–.09 23.66W–.10 10 4.1b 33 8-153
IDC VIII 17 19 52 06.5–.70 58.38S 24.16W 0 4.4L,4.1b **¶621030297**
NEIC VIII 17 19 52 09.0–1.5 58.2S–.10 23.6W–.30 10–2 4.1b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 02 19 57.3–.63 59.60S–.09 26.17W–.09 40 4.7b 38 8-153
IDC VIII 18 02 19 51.9–.85 59.45S 26.22W 0 4.2b,4.2 **¶621030329**
NEIC VIII 18 02 19 56.2–1.1 59.6S–.10 26.2W–.20 28–7 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 02 48 57.0–.33 59.63S–.04 26.50W–.04 43–2 5.8b,5.4s 1169 8-177
IDC VIII 18 02 48 50.6–.30 59.37S 25.85W 0 5.6b,5.6 **¶620996159**
BJI VIII 18 02 48 53.8 59.60S 26.30W 30 5.8s,5.7
GFZ VIII 18 02 48 53.8 59.73S 26.36W 40 5.8W,5.7
MOS VIII 18 02 48 56.1–.79 59.60S 26.39W 41 5.9b,5.3s
ISC-P VIII 18 02 48 56 59.63S 26.39W 35–0 6.3,5.3s
IPGP VIII 18 02 48 56.0 59.70S 26.13W 40 5.9W,5.3s
NEIC VIII 18 02 48 56.3–1.6 59.63S–.07 26.4W–.10 31–1 5.9b,5.7
NEIC VIII 18 02 48 56.5 59.70S 26.26W 34 5.9b,5.7
NEIC VIII 18 02 48 56.7 59.68S 26.25W 36 5.9b,5.7
GFZ VIII 18 02 48 57.8–.32 60S–3.0 26W–3.0 38–2 5.9,5.8b
PTWC VIII 18 02 48 58 59.90S 26.10W 6.1,5.8b
GCMT VIII 18 02 49 02.8–.10 59.96S 25.70W 41–0 5.8W,5.8b
NEIC VIII 18 02 49 02.1 59.78S 25.65W 40 5.8,5.8b
ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=9.9km az=67.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.57 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-5.24 $M_{r\theta}$0.43 $M_{\theta\phi}$-2.16 $M_{\phi r}$-0.65 NP1: ϕ_s193.84470°,δ47.63972°,λ80.67446°. NP2:ϕ_s27.54162°,δ43.18425°,λ100.07670°. Principal axes: T 5.6608,Plg82.7629°,Azm38.4003°; N 0.4108,Plg6.8770°,Azm200.1586° ; P -6.0715,Plg2.2437°,Azm290.4293° M_o5.87694×10^{17}
MOS Error ellipse: s-maj=17.4km s-min=9.2km az=100.2.
ISC-P Moment Tensor Solution. s26 Moment tensor: Scale 10^{18}Nm; M_{rr}0.56±.16 $M_{\theta\theta}$0.15±.16; $M_{\phi\phi}$-0.69±.16; $M_{r\theta}$-0.16±.17; $M_{\theta\phi}$0.22±.29; $M_{\phi r}$-0.15±.11; NP1:ϕ_s211.20000°,δ41.00000° ,λ123.10000°. NP2:ϕ_s350.40000°,δ56.70000°,λ64.60000°. M_o3.51000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s215.00000°,δ40.00000°,λ118.00000°. NP2:ϕ_s360.00000° ,δ55.00000°,λ68.00000°.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.8km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.53 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-3.65 $M_{r\theta}$-0.48 $M_{\theta\phi}$-0.45 $M_{\phi r}$1.66 NP1:ϕ_s356.93000°,δ57.67000°,λ79.11000°. NP2:ϕ_s196.71000°,δ33.93000° ,λ106.62000°. Principal axes: T 3.9814,Plg75.0000°,Azm236.0000°; N 0.0619,Plg9.0000° ,Azm3.0000°; P -4.0433,Plg12.0000°,Azm95.0000° M_o4.01000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ Error ellipse: s-maj=7.1km s-min=4.6km az=38.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108180248A. Moment Tensor Solution. s155,c320; s160,c475;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}4.65±.05 $M_{\theta\theta}$0.95±.04; $M_{\phi\phi}$-5.60±.04; $M_{r\theta}$-1.43±.05; $M_{\theta\phi}$-2.68±.03; $M_{\phi r}$2.91±.05; Best double couple: NP1:ϕ_s226.00000°,δ41.00000°,λ133.00000°. NP2:ϕ_s355.00000°,δ62.00000°,λ60.00000°. Principal axes: T 6.2830,Plg61.0000°,Azm218.0000°; N 0.7340,Plg26.0000°,Azm11.0000° ; P -7.0190,Plg12.0000°,Azm107.0000° M_o6.65100×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; M_{rr}4.15 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-4.55 $M_{r\theta}$-1.14 $M_{\theta\phi}$-2.13 $M_{\phi r}$2.66 NP1:ϕ_s224.08000°,δ38.20000° ,λ129.40000°. NP2:ϕ_s357.82000°,δ61.46000°,λ63.46000°. Principal axes: T 5.4836,Plg63.0000°,Azm223.0000°; N 0.3212,Plg23.0000°,Azm11.0000° ; P -5.8048,Plg13.0000°,Azm107.0000° M_o5.65000×10^{17}
ISC VIII 17 19 59 16.0–.55 58.20S–.09 23.33W–.09 16 4.1b 35 8-149
IDC VIII 17 19 59 13.6–.76 58.13S 23.35W 0 4.2L,4.1b **¶621010832**
NEIC VIII 17 19 59 15.3–1.8 58.18S–.07 23.3W–.20 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 20 06 13.5–.41 59.61S–.04 26.17W–.05 43–3 5.6b,5.2s 781 8-173
MOS VIII 17 20 06 12.8–.95 59.61S 26.34W 46 5.6b,5.1s **¶621237524**
NEIC VIII 17 20 06 12.9 59.61S 26.12W 35 5.6b,5.1s
IDC VIII 17 20 06 12.6–1.1 59.54S 26.15W 35–6 5.8L,5.3
NEIC VIII 17 20 06 13.5 59.21S 25.53W 30 5.5,5.3
NEIC VIII 17 20 06 13.3–1.5 59.63S–.09 26.2W–.20 42–4 5.6b,5.3
PTWC VIII 17 20 06 14 59.50S 25.50W 71 5.7,5.3
GFZ VIII 17 20 06 16.1–.16 60S–4.0 26W–3.0 56 5.7b,5.6
GFZ VIII 17 20 06 16.1 59.67S 26.35W 34 5.6W,5.6
GCMT VIII 17 20 06 17.9–.10 59.95S–.01 25.63W–.01 36–0 5.6W,5.6
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}2.00 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-1.84 $M_{r\theta}$-0.28 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.76 NP1:ϕ_s202.28000°,δ36.31000° ,λ107.18000°. NP2:ϕ_s1.29000°,δ55.55000°,λ77.75000°. Principal axes: T 2.1929,Plg76.0000°,Azm233.0000°; N -0.1544,Plg10.0000°,Azm8.0000° ; P -2.0385,Plg10.0000°,Azm100.0000° M_o2.12000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PTWC SOUTH SANDWICH ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.96 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$-1.98 $M_{r\theta}$0.59 $M_{\theta\phi}$-0.96 $M_{\phi r}$-0.92 NP1: ϕ_s195.80373°,δ52.01288°,λ71.26308°. NP2:ϕ_s44.66334°,δ41.72224°,λ112.35921°. Principal axes: T 3.2654,Plg74.3619°,Azm48.3850°; N -0.6566,Plg14.6653°,Azm207.5961° ; P -2.6089,Plg5.3107°,Azm298.9900° M_o2.99169×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108172006A. Moment Tensor Solution. s134,c242; s145,c283;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.20±.05 $M_{\theta\theta}$-0.43±.04; $M_{\phi\phi}$-2.78±.04; $M_{r\theta}$-0.12±.05; $M_{\theta\phi}$-1.59±.03; $M_{\phi r}$1.05±.04; Best double couple: NP1: ϕ_s218.00000°,δ39.00000°,λ107.00000°. NP2:ϕ_s16.00000°,δ53.00000°,λ77.00000°. Principal axes: T 3.4210,Plg77.0000°,Azm241.0000°; N 0.2690,Plg10.0000°,Azm24.0000° ; P -3.6970,Plg7.0000°,Azm116.0000° M_o3.55900×10^{17}
ISC VIII 17 21 47 46.9–.28 59.47S–.06 25.35W–.06 32 5.0b 174 8-158
IDC VIII 17 21 47 42.4–.41 59.37S 25.20W 0 4.7L,4.7b **¶621010805**
NEIC VIII 17 21 47 43.7–1.5 59.41S–.09 25.3W–.20 10–1 5.0b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 22 07 56.8–.57 58.87S–.09 24.8W–.10 18 4.5b 36 14-153
NEIC VIII 17 22 07 55.7–1.9 58.9S–.10 24.7W–.40 10–1 4.4b **¶621010933**
IDC VIII 17 22 08 05.1–9.9 58.85S 25.03W 84–89 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=8.5km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.5km s-min=19.7km az=80.0.
ISC VIII 17 22 16 06.0–1.1 56.6S–.20 25.1W–.30 35 4.2b 6 18-151
IDC VIII 17 22 16 00.9–1.1 56.49S 25.29W 0 4.2L,4.1 **¶621030310**
ISC Event type se.
IDC Error ellipse: s-maj=47.6km s-min=23.2km az=79.0.
ISC VIII 17 23 58 16.1–.63 56.92S–.10 25.2W–.10 22 4.4b 37 7-152
IDC VIII 17 23 58 13.0–.78 56.83S 24.94W 0 4.2b,4.2 **¶621030317**
NEIC VIII 17 23 58 18.6–1.9 57.0S–.10 25.3W–.20 35–2 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 00 01 55.5–1.1 58.1S–.20 25.4W–.20 49 6 16-152
IDC VIII 18 00 01 49.2–1.2 57.96S 25.44W 0 3.9L,3.9 **¶621030318**
ISC Event type se.
IDC Error ellipse: s-maj=40.3km s-min=27.9km az=89.0.
ISC VIII 18 00 05 48.9–.51 56.97S–.08 25.24W–.09 22 4.7b 51 7-152
IDC VIII 18 00 05 45.6–.84 56.86S 25.11W 0 4.3s,4.0L **¶620996160**
NEIC VIII 18 00 05 51.2–2.5 57.0S–.10 25.3W–.20 36–2 4.7b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 00 06 46.8–.26 56.64S–.05 25.59W–.06 10 5.3b,4.5s 303 7-158
IDC VIII 18 00 06 45.6–.38 56.48S 25.51W 0 4.9b,4.9 **¶621030319**
NEIC VIII 18 00 06 46.6–2.0 56.68S–.09 25.6W–.20 10–1 5.3b,5.1
BJI VIII 18 00 06 47.0 56.70S 25.60W 10 5.0s,4.7
GFZ VIII 18 00 06 48.2–.23 57S–4.0 26W–6.0 10 5.5,5.4b
GCMT VIII 18 00 06 54.1–.20 56.59S–.02 25.36W–.02 19–0 5.1W,5.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108180006A. Moment Tensor Solution. s66,c96; s103,c156; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.16±.18 $M_{\theta\theta}$-0.42±.13; $M_{\phi\phi}$-3.74±.13; $M_{r\theta}$-1.83±.29; $M_{\theta\phi}$2.51±.08; $M_{\phi r}$3.66±.29; Best double couple: NP1:ϕ_s150.00000°,δ24.00000° ,λ87.00000°. NP2:ϕ_s333.00000°,δ66.00000°,λ91.00000°. Principal axes: T 5.7120,Plg69.0000°,Azm246.0000°; N 0.9250,Plg1.0000°,Azm153.0000° ; P -6.6390,Plg21.0000°,Azm62.0000° M_o6.17600×10^{16}
ISC VIII 18 03 02 44.7–.52 60.38S–.09 26.8W–.10 10 4.5b 41 15-153
IDC VIII 18 03 02 43.5–.65 60.31S 27.09W 0 4.9L,4.2b **¶621030330**
NEIC VIII 18 03 02 45.0–1.9 60.4S–.10 26.9W–.10 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 22 18 15.3–.51 58.67S–.09 25.0W–.10 28 4.4b,3.7s 42 8-153
IDC VIII 17 22 18 11.6–.72 58.52S 25.19W 0 4.7L,4.1b **¶621030311**
NEIC VIII 17 22 18 12.6–1.7 58.75S–.10 24.9W–.20 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 22 21 24.1–.75 57.1S–.10 25.0W–.20 22 4.3b 24 7-152
IDC VIII 17 22 21 21.0–.94 56.99S 24.74W 0 4.1b,4.1 **¶621030312**
NEIC VIII 17 22 21 22.7–1.9 57.2S–.20 25.0W–.30 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 03 15 49.3–.55 57.9S–.10 23.4W–.10 16 4.4b 28 16-153
IDC VIII 18 03 15 48.1–.91 57.88S 23.64W 0 3.9b,3.8 **¶621030331**
NEIC VIII 18 03 15 48.5–1.3 58.0S–.10 23.4W–.20 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 22 27 24.4–1.6 58.5S–.10 22.9W–.40 10 11 14-149
IDC VIII 17 22 27 22.6–1.6 58.28S 23.39W 0 4.3L,4.1 **¶621010760**
ISC Event type se.
IDC Error ellipse: s-maj=65.9km s-min=25.9km az=95.0.
ISC VIII 18 03 25 31.3–.51 59.80S–.08 25.96W–.08 35 4.6b 58 8-153
IDC VIII 18 03 25 26.8–.68 59.54S 26.02W 0 4.2L,4.1 **¶621030332**
NEIC VIII 18 03 25 31.7–1.4 59.74S–.07 26.0W–.10 35–2 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 04 06 45.1–.45 58.40S–.07 22.92W–.08 10 4.5b 51 9-153
IDC VIII 18 04 06 43.2–.66 58.31S 23.17W 0 4.7L,4.2 **¶621030337**
NEIC VIII 18 04 06 45.5–1.3 58.4S–.10 22.9W–.20 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 20 15 10.1–.42 57.94S–.07 25.19W–.07 40 4.5b 66 7-152
IDC VIII 17 20 15 04.7–.55 57.90S 25.33W 0 4.3b,4.3 **¶621030301**
NEIC VIII 17 20 15 11.8–1.3 57.89S–.10 25.1W–.20 56–6 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 03 36 20.8–.68 59.42S–.09 26.1W–.10 35 4.6b 26 8-153
IDC VIII 18 03 36 18.1–1.2 59.47S 26.35W 0 4.1L,3.8 **¶621030334**
NEIC VIII 18 03 36 20.4–1.5 59.33S–.05 25.9W–.20 35–2 4.7b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 03 57 32.5–.43 58.35S–.07 25.82W–.08 100 4.4b 57 7-156
IDC VIII 18 03 57 20.7–.51 58.09S 25.46W 0 4.3b,4.3 **¶621030335**
NEIC VIII 18 03 57 26.8–1.0 58.18S–.09 25.5W–.20 40–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 18 06 36 07.7–1.4 58.18S 24.31W 0 3.7b,3.7 ¶621030351
IDC Error ellipse: s-maj=55.8km s-min=36.0km az=83.0.
ISC VIII 18 10 50 31.9–1.2 58.8S–.20 24.8W–.40 35 6 16-153
IDC VIII 18 10 50 26.5–1.0 58.66S 25.65W 0 4.0,3.9L **¶621030367**
ISC Event type se.
IDC Error ellipse: s-maj=65.4km s-min=24.6km az=87.0.
ISC VIII 18 04 39 47.6–.69 58.2S–.10 23.7W–.10 16 4.3b 19 8-153
IDC VIII 18 04 39 45.7–2.1 58.15S 23.54W 0 3.8b,3.8 **¶621030338**
NEIC VIII 18 04 39 47.1–1.7 58.15S–.10 23.7W–.20 10–1 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 04 48 44.3–.55 57.98S–.10 23.83W–.10 10 4.6b,3.5s 48 16-153
IDC VIII 18 04 48 42.9–.69 57.87S 23.77W 0 4.4L,4.3b **¶621030341**
NEIC VIII 18 04 48 45.1–1.6 58.00S–.03 24.0W–.20 10–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 04 53 17.3–.51 59.15S–.08 25.5W–.10 10 4.5b 40 16-153
IDC VIII 18 04 53 16.2–.71 59.08S 25.49W 0 4.5L,4.2b **¶621030342**
NEIC VIII 18 04 53 21.2–1.3 59.19S–.02 25.5W–.20 35–2 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 04 58 03.9–.49 58.27S–.09 23.32W–.09 10 4.4b 37 16-153
IDC VIII 18 04 58 02.8–.76 58.22S 23.49W 0 4.0b,4.0 **¶621030343**
NEIC VIII 18 04 58 04.1–1.6 58.3S–.10 23.3W–.20 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 18 05 06 33.2–1.4 56.70S 25.38W 0 3.8,3.7b ¶621030344
IDC Error ellipse: s-maj=45.3km s-min=31.6km az=99.0.

ISC VIII 18 05 43 55.2–.99 57.2S–.20 25.0W–.30 22 3.9b 7 17-152
IDC VIII 18 05 43 51.7–.97 57.20S 25.04W 0 3.9b,3.8 ¶621030347
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=23.3km az=78.0.
ISC VIII 18 05 51 18.5–.72 57.5S–.10 24.8W–.10 15 4.3b 26 7-152
IDC VIII 18 05 51 16.3–.76 57.44S 24.94W 0 4.2b,4.1 ¶621030348
NEIC VIII 18 05 51 21.2–.49 57.6S–.10 24.8W–.30 39–7 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 20 19 46.8–1.2 59.60S–.06 26.25W–.06 45–10 5.1b,4.8s 361 8-173
IDC VIII 17 20 19 40.4–.37 59.57S 26.30W 0 5.4L,4.9b ¶621237525
GFZ VIII 17 20 19 41.1–.25 60S–6.0 25W–5.0 30–2 5.2b,5.2
NEIC VIII 17 20 19 45.6–1.5 59.61S–.07 26.2W–.20 34–3 5.2b,5.2
GCMT VIII 17 20 19 51.6–.40 59.74S–.02 25.58W–.05 40–0 5.2W,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108172019A. Moment Tensor Solution. s22,c23; s69,c82; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.75±.08 $M_{\theta\theta}$0.04±.05; $M_{\phi\phi}$-0.79±.04; $M_{r\theta}$-0.21±.04; $M_{\theta\phi}$-0.26±.02; $M_{\phi r}$0.17±.03; Best double couple: NP1:ϕ_s214.00000°,δ44.00000°,λ117.00000°. NP2:ϕ_s358.00000°,δ52.00000°,λ66.00000°. Principal axes: T 0.8380,Plg71.0000°,Azm206.0000°; N 0.0330,Plg19.0000°,Azm13.0000°; P -0.8710,Plg4.0000°,Azm105.0000° $M_0$0.85500×10^{17}
ISC VIII 18 11 04 32.2–.57 59.37S–.09 25.75W–.09 35 4.7b 50 8-153
IDC VIII 18 11 04 27.0–.72 59.25S 25.73W 0 4.5L,4.4 ¶621030370
NEIC VIII 18 11 04 32.7–1.9 59.4S–.10 25.9W–.20 38–9 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 05 55 44.9–.44 58.82S–.08 24.96W–.09 18 4.6b,4.0s 72 8-153
IDC VIII 18 05 55 41.8–.51 58.73S 25.16W 0 4.6L,4.4 ¶621030349
NEIC VIII 18 05 55 47.1–1.2 58.8S–.10 25.1W–.20 35–2 4.7b,4.4
GCMT VIII 18 05 55 49.5–.40 58.98S–.03 24.86W–.05 25–2 4.9W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108180555A. Moment Tensor Solution. s7,c7; s84,c99; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.04±.17 $M_{\theta\theta}$0.61±.15; $M_{\phi\phi}$-0.57±.14; $M_{r\theta}$-2.55±.47; $M_{\theta\phi}$1.85±.09; $M_{\phi r}$-0.04±.26; Best double couple: NP1:ϕ_s186.00000°,δ37.00000°,λ-180.00000°. NP2:ϕ_s96.00000°,δ90.00000°,λ-53.00000°. Principal axes: T 3.3960,Plg34.0000°,Azm155.0000°; N -0.4200,Plg37.0000°,Azm276.0000°; P -2.9760,Plg34.0000°,Azm37.0000° $M_0$3.18600×10^{16}
ISC VIII 18 12 00 49.9–1.6 58.8S–.20 23.9W–.40 10 4.2b 6 16-149
IDC VIII 18 12 00 47.4–1.6 58.56S 24.54W 0 4.2L,4.1b ¶621030373
ISC Event type se.
IDC Error ellipse: s-maj=63.1km s-min=22.1km az=102.0.
ISC VIII 18 16 51 40.4–.46 58.35S–.08 25.03W–.09 28 4.8b,3.9s 68 8-152
IDC VIII 18 16 51 36.5–.58 58.27S 24.96W 0 4.6L,4.4b ¶621030389
NEIC VIII 18 16 51 39.4–1.6 58.36S–.04 24.9W–.20 18–4 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 18 12 30 47.7–1.3 56.24S 24.48W 0 3.9b,3.9 ¶621030374
IDC Error ellipse: s-maj=57.9km s-min=30.9km az=85.0.
ISC VIII 18 17 09 57.2–.95 55.4S–.20 28.6W–.30 45 4.1b 7 20-151
IDC VIII 18 17 09 51.1–.98 55.31S 28.49W 0 4.2L,4.0b ¶621030390
ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=23.2km az=67.0.
ISC VIII 18 17 20 56.4–.65 55.39S–.10 28.3W–.10 35 4.2b 23 5-151
IDC VIII 18 17 20 51.6–.75 55.35S 28.13W 0 4.1b,4.1 ¶621030392
NEIC VIII 18 17 20 57.0–1.1 55.5S–.10 28.3W–.20 35–2 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 18 15 37 45.6–1.9 58.15S 25.02W 0 4.3b,4.3 ¶621030385
IDC Error ellipse: s-maj=88.8km s-min=35.8km az=170.0.
ISC VIII 18 18 19 59.1–.64 58.47S–.10 23.16W–.10 10 4.2b,3.6s 21 11-153
IDC VIII 18 18 19 57.8–.92 58.36S 23.10W 0 4.2L,4.1 ¶621030397
NEIC VIII 18 18 19 59.9–1.5 58.52S–.09 23.2W–.20 10–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 17 26 01.1–.77 57.75S–.10 24.0W–.10 10 4.0b 24 8-153
IDC VIII 18 17 25 59.9–.85 57.64S 23.85W 0 4.3L,4.0b ¶621030393
NEIC VIII 18 17 26 02.3–1.3 57.7S–.10 24.3W–.30 10–2 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 19 53 15.0–.46 58.08S–.09 25.35W–.08 35 4.3b,3.5s 52 7-154
IDC VIII 18 19 53 09.8–.55 57.93S 25.23W 0 4.4L,4.2b ¶621030409
NEIC VIII 18 19 53 15.3–1.1 58.0S–.10 25.2W–.20 35–2 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 18 27 18.7–.85 58.3S–.10 23.9W–.10 10 4.1b 21 11-153
IDC VIII 18 18 27 17.3–.94 58.22S 24.12W 0 4.4L,4.0 ¶621030398
NEIC VIII 18 18 27 19.0–1.6 58.3S–.10 23.8W–.30 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 15 55 53.1–.80 60.0S–.20 26.6W–.20 26 4.0b,3.5s 10 15-153
IDC VIII 18 15 55 49.5–.80 59.86S 26.65W 0 4.5L,4.2 ¶621030388
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=17.7km az=55.0.
IDC VIII 18 20 04 27.8–1.4 58.57S 23.45W 0 3.8L,3.8b ¶621030410
IDC Error ellipse: s-maj=79.3km s-min=28.8km az=88.0.
ISC VIII 18 20 16 42.7–.97 57.0S–.20 24.8W–.30 22 4.0b 7 17-152
IDC VIII 18 20 16 39.3–.93 56.92S 24.84W 0 4.0b,4.0 ¶621030414
ISC Event type se.
IDC Error ellipse: s-maj=42.2km s-min=23.1km az=66.0.
ISC VIII 18 21 40 51.5–.48 56.45S–.08 25.11W–.08 10 5.0b 65 7-151
IDC VIII 18 21 40 50.4–.65 56.43S 25.04W 0 4.4b,4.4 ¶621030422
NEIC VIII 18 21 40 52.8–2.1 56.48S–.06 25.2W–.20 16–4 5.0b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 20 23 59.7–.62 58.73S–.09 24.7W–.10 10 4.4b 38 10-153
IDC VIII 18 20 23 58.8–.79 58.68S 25.12W 0 4.5L,4.2 ¶621030415
NEIC VIII 18 20 23 59.3–2.1 58.7S–.10 24.5W–.20 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 20 28 59.2–.33 59.84S–.05 26.57W–.06 36–3 5.4b,4.8s 384 8-173
IDC VIII 18 20 28 53.5–.37 59.72S 26.44W 0 5.2L,5.1b ¶620996739
NEIC VIII 18 20 28 59.0–1.3 59.86S–.08 26.3W–.20 35–1 5.4b,5.2
BJI VIII 18 20 29 00.0 59.90S 26.50W 52 5.2s,5.1b
GFZ VIII 18 20 29 00.8–.18 60S–4.0 26W–3.0 50 5.6,5.5b
GCMT VIII 18 20 29 03.7–.10 60.12S–.01 25.90W–.02 31–0 5.3W,5.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108182029A. Moment Tensor Solution. s112,c182; s125,c224;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.02 $M_{\theta\theta}$-0.16±.02; $M_{\phi\phi}$-0.71±.02; $M_{r\theta}$0.45±.03; $M_{\theta\phi}$-0.56±.01; $M_{\phi r}$0.72±.02; Best double couple: NP1: ϕ_s212.00000°,δ24.00000°,λ90.00000°. NP2:ϕ_s32.00000°,δ66.00000°,λ90.00000°. Principal axes: T 1.1880,Plg69.0000°,Azm302.0000°; N 0.1950,Plg0.0000°,Azm212.0000°; P -1.3830,Plg21.0000°,Azm122.0000° $M_0$1.28600×10^{17}
IDC VIII 18 19 06 27.9–1.4 58.62S 26.80W 0 3.6b,3.6 ¶621030400
IDC Error ellipse: s-maj=97.8km s-min=35.4km az=99.0.
ISC VIII 18 14 04 34.6–.43 59.96S–.08 26.86W–.08 35 4.8b 82 8-153
IDC VIII 18 14 04 30.1–.58 59.88S 26.77W 0 4.3L,4.3b ¶621030379
NEIC VIII 18 14 04 34.8–1.1 59.99S–.07 26.9W–.10 35–1 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 20 59 44.3–.46 58.50S–.08 23.19W–.08 10 4.6b 52 8-153
IDC VIII 18 20 59 42.9–.57 58.39S 23.29W 0 4.7L,4.3b ¶621030417
NEIC VIII 18 20 59 44.6–1.9 58.5S–.10 23.2W–.20 10–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 19 20 38.3–.56 59.62S–.09 26.2W–.10 40 4.5b 54 8-153
IDC VIII 18 19 20 32.7–.60 59.52S 26.23W 0 4.3b,4.3 ¶621030402
NEIC VIII 18 19 20 38.0–1.4 59.6S–.10 26.1W–.30 35–2 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 19 21 20.6–.93 58.8S–.10 25.6W–.10 35 4.6b 20 10-153
NEIC VIII 18 19 21 19.9–2.2 58.9S–.20 25.3W–.20 35–2 4.5b ¶621030405
IDC VIII 18 19 21 20.6–1.3 59.64S 27.58W 0 4.5L,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=9.0km az=23.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.8km s-min=28.6km az=88.0.
ISC VIII 18 19 27 56.4–.32 55.38S–.06 28.29W–.06 10 5.0b,4.2s 196 5-160
IDC VIII 18 19 27 55.5–.49 55.26S 28.05W 0 4.9L,4.8b ¶620996735
GFZ VIII 18 19 27 58.0–.24 55S–4.0 28W–5.0 10 4.9b,4.9
NEIC VIII 18 19 27 57.1–1.5 55.4S–.10 28.32W–.10 15–2 5.1b,4.9
GCMT VIII 18 19 28 01.9–.30 55.32S–.03 28.08W–.04 20–1 5.0W,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108181927A. Moment Tensor Solution. s28,c32; s79,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.45±.33 $M_{\theta\theta}$-2.14±.22; $M_{\phi\phi}$-2.31±.20; $M_{r\theta}$-0.86±.44; $M_{\theta\phi}$2.20±.10; $M_{\phi r}$1.33±.40; Best double couple: NP1:ϕ_s133.00000°,δ35.00000°,λ84.00000°. NP2:ϕ_s320.00000°,δ55.00000°,λ94.00000°. Principal axes: T 4.7330,Plg80.0000°,Azm247.0000°; N -0.0410,Plg3.0000°,Azm137.0000°; P -4.6920,Plg10.0000°,Azm47.0000° $M_0$4.71300×10^{16}
IDC VIII 18 21 02 23.8–3.8 55.26S 28.01W 0 4.2s,4.0b ¶621030418
IDC Error ellipse: s-maj=137.5km s-min=55.6km az=171.0.
ISC VIII 18 21 02 29.9–.28 58.47S–.06 23.30W–.07 10 5.1b,4.1s 230 8-163
IDC VIII 18 21 02 27.9–.40 58.36S 23.35W 0 5.5L,4.8b ¶620996742
NEIC VIII 18 21 02 29.6–1.3 58.47S–.09 23.27W–.07 10–1 5.2b,4.8b
GFZ VIII 18 21 02 30.4–.21 59S–4.0 23W–4.0 10 5.5,5.2b
GCMT VIII 18 21 02 34.9–.30 58.49S–.05 22.74W–.04 15–1 4.9W,5.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108182102A. Moment Tensor Solution. s16,c21; s75,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.18±.25 $M_{\theta\theta}$-0.56±.16; $M_{\phi\phi}$2.74±.16; $M_{r\theta}$0.24±.49; $M_{\theta\phi}$0.43±.10; $M_{\phi r}$0.10±.27; Best double couple: NP1:ϕ_s359.00000°,δ44.00000°,λ-101.00000°. NP2:ϕ_s195.00000°,δ47.00000°,λ-79.00000°. Principal axes: T 2.7980,Plg1.0000°,Azm277.0000°; N -0.5790,Plg8.0000°,Azm8.0000°; P -2.2150,Plg82.0000°,Azm177.0000° $M_0$2.50600×10^{16}
ISC VIII 18 21 49 57.0–.38 59.70S–.04 26.45W–.04 41–3 5.8b,5.6s 1192 8-179
BJI VIII 18 21 49 49.0 59.70S 26.40W 10 5.9s,5.9 ¶621237534
GFZ VIII 18 21 49 54.0 59.71S 26.40W 43 5.9W,5.9
ISC-P VIII 18 21 49 55 59.63S 26.35W 32–0 6.4,5.9
NEIC VIII 18 21 49 55.7–1.4 59.63S–.08 26.4W–.20 28–1 5.9,5.9b
MOS VIII 18 21 49 55.6–.78 59.66S 26.45W 36 5.9b,5.6s
NEIC VIII 18 21 49 56.4 59.70S 26.43W 33 5.9b,5.6s
NEIC VIII 18 21 49 56.8 59.69S 26.42W 35 5.9b,5.6s
PTWC VIII 18 21 49 56 59.50S 26.00W 6.2,5.6s
IPGP VIII 18 21 49 57.0 59.71S 26.37W 40 6.0W,5.6s
IDC VIII 18 21 49 57.7–1.3 59.58S 26.43W 45–10 6.2L,5.6
GFZ VIII 18 21 49 58.5–.12 60S–3.0 26W–2.0 42 5.9,5.8b
GCMT VIII 18 21 50 02.1–.10 59.94S 25.73W 47–0 5.9W,5.8b
NEIC VIII 18 21 50 03.3 59.69S 26.03W 46 6.0,5.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.11 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$-5.74 $M_{r\theta}$-1.95 $M_{\theta\phi}$-3.17 $M_{\phi r}$1.99 NP1: ϕ_s225.37089°,δ44.56669°,λ117.15609°. NP2:ϕ_s9.61651°,δ51.36303°,λ65.79302°. Principal axes: T 8.0627,Plg70.9568°,Azm216.9167°; N -0.6073,Plg18.6802°,Azm25.2960°; P -7.4554,Plg3.5696°,Azm116.5045° $M_0$7.77686×10^{17}
ISC-P Moment Tensor Solution. s26 Moment tensor: Scale 10^{18}Nm; M_{rr}0.53±.15 $M_{\theta\theta}$0.02±.17; $M_{\phi\phi}$-0.56±.20; $M_{r\theta}$-0.23±.17; $M_{\theta\phi}$0.38±.24; $M_{\phi r}$0.01±.12; NP1:ϕ_s341.60000°,δ64.80000°,λ74.00000°. NP2:ϕ_s195.60000°,δ29.60000°,λ120.40000°. $M_0$5.13000×10^{18}
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.1km az=229.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.79 $M_{\theta\theta}$-1.42 $M_{\phi\phi}$-6.37 $M_{r\theta}$-1.31 $M_{\theta\phi}$-0.95 $M_{\phi r}$2.03 NP1:ϕ_s359.90000°,δ52.83000°,λ78.05000°. NP2:ϕ_s199.21000°,δ38.78000°,λ105.28000°. Principal axes: T 8.2896,Plg78.0000°,Azm225.0000°; N -1.5210,Plg9.0000°,Azm7.0000°; P -6.7685,Plg7.0000°,Azm98.0000° $M_0$7.64000×10^{17}
MOS Error ellipse: s-maj=17.9km s-min=8.6km az=99.1.
NEIC Event type se.
NEIC Event type se.
PTWC SOUTH SANDWICH ISLANDS REGION.
IPGP Moment Tensor Solution. NP1:ϕ_s208.00000°,δ41.00000°,λ113.00000°. NP2:ϕ_s359.00000°,δ53.00000°,λ71.00000°.
IDC Error ellipse: s-maj=16.7km s-min=11.2km az=60.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108182149A. Moment Tensor Solution. s162,c370; s166,c521;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.83±.01 $M_{\theta\theta}$0.06±.01; $M_{\phi\phi}$-0.88±.01; $M_{r\theta}$-0.25±.01; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$0.29±.01; Best double couple: NP1:ϕ_s223.00000°,δ44.00000°,λ124.00000°. NP2:ϕ_s360.00000°,δ55.00000°,λ61.00000°. Principal axes: T 0.9940,Plg66.0000°,Azm213.0000°; N 0.0750,Plg23.0000°,Azm17.0000°; P -1.0690,Plg6.0000°,Azm109.0000° $M_0$1.03100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.81 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.71 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.77 NP1:ϕ_s218.04000°,δ25.80000°,λ115.14000°. NP2:ϕ_s10.51000°,δ66.80000°,λ78.40000°. Principal axes: T 1.1385,Plg66.0000°,Azm260.0000°; N 0.0079,Plg11.0000°,Azm15.0000°; P -1.1464,Plg21.0000°,Azm109.0000° $M_0$1.14000×10^{18}
IDC VIII 18 21 12 48.8–8.2 58.45S 24.24W 0 4.4L,4.1 ¶621030419
IDC Error ellipse: s-maj=350.0km s-min=30.6km az=79.0.
ISC VIII 18 23 30 33.9–.27 58.64S–.06 23.27W–.06 10 5.2b,4.3s 270 9-163
IDC VIII 18 23 30 32.8–.42 58.49S 23.23W 0 5.1L,4.8b ¶620996854
BJI VIII 18 23 30 33.4 58.70S 23.30W 10 5.5b,5.0s

NEIC VIII 18 23 30 33.6–1.5 58.70S–.09 23.3W–.20 10–1 5.2b,5.0s
GFZ VIII 18 23 30 34.9–.19 59S–3.0 23W–4.0 10 5.1b,5.1
GCMT VIII 18 23 30 37.1–.30 58.77S–.02 22.77W–.03 12 5.1W,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108182330A. Moment Tensor Solution. s18,c18; s112,c155; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.45±.17 $M_{\theta\theta}$-2.38±.16; $M_{\phi\phi}$4.82±.14; $M_{r\theta}$-1.71±.46; $M_{\theta\phi}$2.04±.12; $M_{\phi r}$2.39±.50; Best double couple: NP1:ϕ_S52.00000°,δ49.00000°,λ-25.00000°. NP2:ϕ_S160.00000°,δ71.00000°,λ-136.00000°. Principal axes:
T 5.8160,Plg14.0000°,Azm281.0000°; N -0.7100,Plg43.0000°,Azm178.0000°
; P -5.1160,Plg44.0000°,Azm25.0000° $M_0$5.46600×10^{16}

IDC	VIII	**18 21 25 57.6–1.4**	**59.65S**	**28.03W**	**0**	**4.0b,4.0**			**¶621030420**
IDC	Error ellipse: s-maj=103.1km s-min=32.7km az=101.0.								
ISC	VIII	**19 03 06 38.3–.65**	**57.06S–.10**	**24.05W–.10**	**10**	**4.4b**	**30**	**8-152**	
IDC	VIII	19 03 06 37.1–1.1	56.97S	24.00W	0	3.8b,3.8			**¶621039150**
NEIC	VIII	19 03 06 38.6–1.4	57.1S–.10	24.0W–.20	10–1	4.6b,3.8			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**18 22 13 16.6–.65**	**58.44S–.09**	**23.63W–.10**	**10**	**4.4b**	**26**	**8-153**	
IDC	VIII	18 22 13 15.8–.87	58.32S	23.77W	0	4.2L,4.1b			**¶620996748**
NEIC	VIII	18 22 13 16.8–2.3	58.46S–.09	23.6W–.10	10–1	4.3b,4.1b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**18 22 13 53.6–.25**	**57.42S–.05**	**25.21W–.06**	**15**	**5.3s,5.2b**	**361**	**7-164**	
IDC	VIII	18 22 13 51.5–.38	57.37S	25.07W	0	5.0L,4.9b			**¶621030423**
GFZ	VIII	18 22 13 54.0–.21	57S–4.0	25W–4.0	10	5.1b,5.1			
NEIC	VIII	18 22 13 54.9–1.4	57.44S–.09	25.2W–.20	24–3	5.3b,5.1			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 03 39 39.5–.59**	**58.84S–.09**	**24.13W–.09**	**10**	**4.3b**	**33**	**11-153**	
IDC	VIII	19 03 39 38.5–.85	58.71S	24.16W	0	5.0L,4.2			**¶621036000**
NEIC	VIII	19 03 39 40.1–1.4	58.8S–.10	24.2W–.20	10–1	4.3b,4.2			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 04 15 08.4–.55**	**59.71S–.08**	**25.01W–.09**	**27**	**4.2b**	**34**	**10-153**	
IDC	VIII	19 04 15 05.3–.95	59.52S	25.01W	0	4.5L,4.1			**¶621039155**
NEIC	VIII	19 04 15 06.3–1.6	59.66S–.10	24.9W–.10	10–1	4.2b,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**18 22 42 24.8–.99**	**60.4S–.20**	**26.5W–.30**	**10**	**4.2b**	**6**	**15-153**	
IDC	VIII	18 22 42 24.2–.98	60.25S	26.86W	0	4.4L,4.2			**¶621030428**
ISC	Event type se.								
IDC	Error ellipse: s-maj=41.7km s-min=20.0km az=65.0.								
ISC	VIII	**19 04 27 40.6–.58**	**57.03S–.09**	**25.03W–.10**	**22**	**4.3b,3.5s**	**36**	**7-152**	
IDC	VIII	19 04 27 37.3–.94	56.87S	25.03W	0	4.0b,3.9			**¶621039156**
NEIC	VIII	19 04 27 39.2–1.4	57.1S–.10	25.02W–.08	10–1	4.3b,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 04 42 46.3–.74**	**58.6S–.10**	**24.9W–.10**	**28**	**4.1b,3.6s**	**25**	**8-139**	
IDC	VIII	19 04 42 41.9–1.3	58.34S	25.49W	0	4.0b,4.0			**¶621039157**
NEIC	VIII	19 04 42 47.7–1.6	58.72S–.05	24.8W–.20	35–2	4.2b,4.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**18 23 16 43.3–.89**	**56.3S–.10**	**26.2W–.10**	**10**	**4.5b**	**24**	**6-151**	
IDC	VIII	18 23 16 42.0–1.0	56.10S	25.83W	0	4.3b,4.2			**¶621030429**
NEIC	VIII	18 23 16 47.9–1.2	56.4S–.10	26.5W–.20	35–2	4.5b,4.2			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 05 23 49.5–.32**	**58.30S–.06**	**25.03W–.07**	**35**	**5.0b,4.2s**	**193**	**8-158**	
IDC	VIII	19 05 23 44.9–.41	58.15S	24.85W	0	4.8L,4.8b			**¶620996870**
NEIC	VIII	19 05 23 48.6–.89	58.33S–.09	25.0W–.20	27–5	5.1b,4.8b			
GCMT	VIII	19 05 23 51.4–.40	58.23S–.03	24.47W–.04	31–1	4.9W,4.8b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108190523A. Moment Tensor Solution. s22,c26; s71,c87; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.15±.27 $M_{\theta\theta}$1.13±.18; $M_{\phi\phi}$-3.28±.16; $M_{r\theta}$-0.43±.26; $M_{\theta\phi}$0.07±.09; $M_{\phi r}$1.48±.15; Best double couple: NP1:ϕ_S197.00000°,δ33.00000°,λ117.00000°. NP2:ϕ_S346.00000°,δ61.00000°,λ74.00000°. Principal axes:
T 2.6360,Plg70.0000°,Azm222.0000°; N 1.0280,Plg14.0000°,Azm354.0000°
; P -3.6640,Plg14.0000°,Azm88.0000° $M_0$3.15000×10^{16}

ISC	VIII	**19 08 24 39.4–.55**	**58.36S–.09**	**23.13W–.09**	**10**	**4.2b**	**38**	**8-153**	
NEIC	VIII	19 08 24 39.1–1.2	58.3S–.10	23.03W–.09	10–1	4.2b			**¶621039171**
IDC	VIII	19 08 24 40.1–.90	58.43S	23.46W	0	4.0L,4.0			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=19.0km s-min=7.9km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=29.9km s-min=23.0km az=69.0.								
ISC	VIII	**19 06 26 11.2–.62**	**59.67S–.10**	**25.3W–.10**	**10**	**4.1b**	**37**	**13-153**	
IDC	VIII	19 06 26 09.8–1.0	59.63S	25.26W	0	3.9b,3.9			**¶621039163**
NEIC	VIII	19 06 26 11.8–.58	59.65S–.03	25.3W–.30	10–1	4.2b,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 06 28 20.1–.65**	**59.56S–.09**	**26.1W–.10**	**40**	**4.2b**	**30**	**8-153**	
IDC	VIII	19 06 28 15.3–1.0	59.61S	26.46W	0	4.0b,4.0			**¶621036038**
NEIC	VIII	19 06 28 18.3–.84	59.5S–.10	25.8W–.20	26–8	4.3b,4.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 02 06 36.3–.50**	**59.87S–.08**	**26.6W–.10**	**35**	**4.4b**	**44**	**13-150**	
IDC	VIII	19 02 06 31.8–.93	59.74S	27.12W	0	4.2L,4.0b			**¶621039145**
NEIC	VIII	19 02 06 37.0–1.3	59.8S–.10	26.6W–.30	35–2	4.4b,4.0b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 02 14 02.6–.51**	**56.44S–.09**	**25.32W–.09**	**29**	**4.5b,3.9s**	**53**	**7-151**	
IDC	VIII	19 02 13 58.4–.86	56.37S	25.39W	0	4.1b,4.1			**¶621039146**
NEIC	VIII	19 02 14 00.1–1.4	56.48S–.07	25.3W–.20	10–4	4.6b,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 05 40 14.3–.68**	**60.05S–.09**	**24.3W–.10**	**10**	**4.4b**	**23**	**13-154**	
IDC	VIII	19 05 40 08.6–1.3	59.31S	25.69W	0	4.2L,3.9			**¶621035936**
NEIC	VIII	19 05 40 14.7–2.1	60.0S–.10	24.3W–.30	10–1	4.3b,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 05 48 10.4–.46**	**59.87S–.07**	**26.26W–.08**	**35**	**4.7b,3.7s**	**81**	**9-158**	
IDC	VIII	19 05 48 05.5–.56	59.82S	26.39W	0	4.9L,4.4b			**¶621035914**
NEIC	VIII	19 05 48 11.4–1.5	59.9S–.10	26.3W–.20	42–8	4.8b,4.4b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								

ISC	VIII	**19 08 28 26.2–.51**	**57.94S–.05**	**25.74W–.05**	**55–4**	**5.2b,4.7s**	**441**	**7-175**	
GFZ	VIII	19 08 28 22.2–.23	58S–4.0	26W–4.0	10	5.2b,5.1			**¶620996878**
MOS	VIII	19 08 28 23.3–.98	57.91S	25.72W	39	5.6b,5.1			
BJI	VIII	19 08 28 24.2	58.00S	25.70W	34	5.1s,5.1b			
NEIC	VIII	19 08 28 25.7–.65	57.97S–.08	25.8W–.20	50–6	5.3,5.3b			
IDC	VIII	19 08 28 28.9–2.3	57.86S	25.60W	77–19	5.1,4.8b			
GCMT	VIII	19 08 28 29.4–.10	57.94S–.01	24.96W–.02	55–0	5.3W,4.8b			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108190828A. Moment Tensor Solution. s132,c207; s135,c231;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.02 $M_{\theta\theta}$0.21±.02; $M_{\phi\phi}$-1.26±.01; $M_{r\theta}$0.10±.01; $M_{\theta\phi}$0.16±.01; $M_{\phi r}$0.12±.02; Best double couple: NP1:ϕ_S166.00000°,δ43.00000°,λ79.00000°. NP2:ϕ_S1.00000°,δ48.00000°,λ100.00000°. Principal axes: T 1.0700,Plg82.0000°,Azm334.0000°; N 0.2110,Plg7.0000°,Azm175.0000°
; P -1.2820,Plg3.0000°,Azm84.0000° $M_0$1.17600×10^{17}

ISC	VIII	**19 02 21 01.2–.58**	**58.55S–.09**	**23.27W–.09**	**10**	**4.2b,3.8s**	**40**	**11-153**	
IDC	VIII	19 02 21 00.1–.80	58.46S	23.31W	0	4.1L,4.0b			**¶621035958**
NEIC	VIII	19 02 21 01.2–1.1	58.6S–.10	23.30W–.04	10–1	4.3b,4.0b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 08 35 32.9–.59**	**56.28S–.09**	**25.60W–.09**	**29**	**4.4b**	**43**	**7-151**	
IDC	VIII	19 08 35 28.5–.85	56.19S	25.57W	0	4.1b,4.1			**¶621039173**
NEIC	VIII	19 08 35 30.0–.84	56.32S–.04	25.4W–.20	10–1	4.5b,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 09 15 23.4–.97**	**60.2S–.20**	**26.4W–.30**	**10**			**12**	**13-153**
IDC	VIII	19 09 15 22.7–1.3	59.90S	26.84W	0	3.8b,3.8			**¶621036016**
ISC	Event type se.								
IDC	Error ellipse: s-maj=56.4km s-min=33.9km az=82.0.								
ISC	VIII	**19 07 20 43.7–.59**	**59.80S–.10**	**26.2W–.10**	**35**	**4.3b**	**29**	**13-153**	
IDC	VIII	19 07 20 40.5–1.0	59.74S	26.77W	0	3.9b,3.9			**¶621035938**
NEIC	VIII	19 07 20 43.5–.47	59.8S–.10	26.1W–.10	35–2	4.3b,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 09 21 27.8–1.1**	**59.4S–.20**	**25.8W–.20**	**10**			**10**	**13-150**
IDC	VIII	19 09 21 27.0–1.3	59.19S	25.86W	0	4.2L,3.9			**¶621036026**
ISC	Event type se.								
IDC	Error ellipse: s-maj=46.3km s-min=27.4km az=52.0.								
ISC	VIII	**19 12 14 57.2–1.4**	**58.7S–.10**	**23.2W–.30**	**10**			**11**	**14-153**
IDC	VIII	19 12 14 55.6–1.3	58.49S	23.56W	0	4.2b,4.1			**¶621039185**
ISC	Event type se.								
IDC	Error ellipse: s-maj=48.8km s-min=25.8km az=97.0.								
ISC	VIII	**19 08 02 01.2–.40**	**58.85S–.07**	**25.38W–.08**	**35**	**4.7b,3.5s**	**92**	**8-158**	
IDC	VIII	19 08 01 56.1–.50	58.67S	25.40W	0	4.5L,4.4b			**¶621035973**
NEIC	VIII	19 08 02 01.2–1.1	58.88S–.07	25.3W–.20	35–2	4.7b,4.4b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 10 23 30.1–.53**	**59.82S–.06**	**23.43W–.06**	**27–3**	**5.0b,4.2s**	**262**	**9-173**	
IDC	VIII	19 10 23 25.6–.39	59.74S	23.44W	0	4.8b,4.8			**¶620997099**
GFZ	VIII	19 10 23 28.3–.21	60S–4.0	23W–4.0	10	5.3,5.1b			
BJI	VIII	19 10 23 30.2	59.90S	23.50W	30	5.2s,5.2b			
NEIC	VIII	19 10 23 30.8–2.3	59.80S–.09	23.4W–.10	31–3	5.1b,5.2b			
GCMT	VIII	19 10 23 31.4–.20	59.85S–.02	22.91W–.03	12	5.1W,5.2b			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108191023A. Moment Tensor Solution. s48,c63; s120,c182; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.17±.10 $M_{\theta\theta}$1.20±.10; $M_{\phi\phi}$2.97±.09; $M_{r\theta}$2.30±.34; $M_{\theta\phi}$2.38±.08; $M_{\phi r}$-0.80±.31; Best double couple: NP1:ϕ_S12.00000°,δ46.00000°,λ-127.00000°. NP2:ϕ_S239.00000°,δ55.00000°,λ-58.00000°. Principal axes:
T 4.6800,Plg5.0000°,Azm307.0000°; N 0.6590,Plg25.0000°,Azm39.0000°
; P -5.3380,Plg64.0000°,Azm207.0000° $M_0$5.00900×10^{16}

ISC	VIII	**19 11 15 35.9–.97**	**55.3S–.20**	**27.6W–.30**	**10**	**3.9b**	**9**	**18-151**	
IDC	VIII	19 11 15 34.3–.96	55.32S	27.50W	0	3.9b,3.9s			**¶621039181**
ISC	Event type se.								
IDC	Error ellipse: s-maj=46.5km s-min=23.1km az=83.0.								
ISC	VIII	**19 16 50 58.0–1.2**	**58.4S–.20**	**25.1W–.20**	**35**			**8**	**14-153**
IDC	VIII	19 16 50 53.8–1.4	58.10S	25.13W	0	4.2L,4.0			**¶621035950**
ISC	Event type se.								
IDC	Error ellipse: s-maj=46.1km s-min=37.1km az=42.0.								
ISC	VIII	**19 17 02 06.9–.54**	**57.99S–.09**	**24.94W–.10**	**40**	**4.3b,3.7s**	**36**	**7-152**	
IDC	VIII	19 17 02 01.3–.65	57.90S	24.98W	0	4.4L,4.2b			**¶621035977**
NEIC	VIII	19 17 02 06.5–1.1	58.0S–.10	24.9W–.20	35–2	4.4b,4.2b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 14 57 33.2–.64**	**58.53S–.08**	**23.8W–.10**	**10**	**4.4b,3.3s**	**40**	**8-153**	
IDC	VIII	19 14 57 32.1–.71	58.42S	24.00W	0	4.3L,4.1b			**¶621039200**
NEIC	VIII	19 14 57 35.4–1.4	58.6S–.10	23.7W–.20	26–6	4.5b,4.1b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 17 06 34.7–1.4**	**58.6S–.10**	**23.1W–.30**	**10**			**10**	**14-153**
IDC	VIII	19 17 06 33.1–1.5	58.51S	23.31W	0	4.0L,4.0			**¶621035953**
ISC	Event type se.								
IDC	Error ellipse: s-maj=53.6km s-min=27.5km az=96.0.								
ISC	VIII	**19 17 25 32.1–.55**	**56.93S–.09**	**25.31W–.10**	**35**	**4.6b,3.7s**	**68**	**7-153**	
IDC	VIII	19 17 25 27.2–.72	56.78S	25.17W	0	4.3b,4.3			**¶621035933**
NEIC	VIII	19 17 25 34.5–1.7	57.0S–.10	25.3W–.20	53–2	4.6b,4.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**19 18 35 40.2–1.4**	**58.8S–.20**	**25.1W–.40**	**100**			**9**	**14-153**
IDC	VIII	19 18 35 27.2–1.2	58.42S	26.22W	0	3.9L,3.9b			**¶621039207**
ISC	Event type se.								
IDC	Error ellipse: s-maj=69.2km s-min=27.6km az=90.0.								
ISC	VIII	**19 13 21 59.3–1.4**	**58.5S–.10**	**22.8W–.30**	**10**	**3.3s**	**10**	**14-154**	
IDC	VIII	19 13 21 57.7–1.4	58.37S	23.02W	0	4.1,4.0b			**¶621036034**
ISC	Event type se.								
IDC	Error ellipse: s-maj=53.9km s-min=26.4km az=96.0.								
ISC	VIII	**19 11 02 50.2–1.0**	**57.0S–.20**	**25.3W–.30**	**35**			**9**	**15-152**
IDC	VIII	19 11 02 45.1–1.1	56.95S	25.33W	0	3.9b,3.9			**¶621035963**
ISC	Event type se.								
IDC	Error ellipse: s-maj=47.3km s-min=26.9km az=70.0.								
ISC	VIII	**19 20 48 51.8–1.4**	**60.4S–.20**	**23.2W–.40**	**10**			**9**	**12-154**
IDC	VIII	19 20 48 46.5–1.5	60.14S	26.64W	0	3.9b,3.9			**¶621036028**
ISC	Event type se.								
IDC	Error ellipse: s-maj=106.8km s-min=34.0km az=100.0.								
IDC	VIII	**19 21 07 43.0–3.1**	**58.06S**	**23.73W**	**0**	**3.9b,3.9**			**¶621039218**
IDC	Error ellipse: s-maj=104.4km s-min=41.3km az=168.0.								
ISC	VIII	**19 16 14 35.5–.31**	**59.38S–.06**	**26.02W–.06**	**40**	**4.8b**	**182**	**8-158**	
IDC	VIII	19 16 14 30.1–.49	59.36S	25.90W	0	4.5b,4.5			**¶620997350**
GFZ	VIII	19 16 14 32.3–.27	59S–5.0	26W–5.0	10	5.0,4.9b			
NEIC	VIII	19 16 14 40.9–1.0	59.43S–.10	26.2W–.20	87–5	4.9b,4.9b			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								

IDC VIII 19 14 16 54.9–1.2 59.74S 26.62W 0 3.9L,3.9b
¶621039199
IDC Error ellipse: s-maj=41.8km s-min=26.8km az=72.0.
ISC VIII 19 21 26 31.8–.27 58.49S–.05 23.31W–.06 10 5.1b,4.2s 266 8-157
IDC VIII 19 21 26 30.5–.36 58.41S 23.28W 0 4.9L,4.9 **¶621105959**
GFZ VIII 19 21 26 32.7–.22 59S–4.0 23W–4.0 10 5.2,5.1b
NEIC VIII 19 21 26 32.4–2.1 58.48S–.09 23.5W–.10 10–1 5.1b,5.1b
GCMT VIII 19 21 26 36.3–.30 58.62S–.03 22.79W–.03 18–1 4.9W,5.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108192126A. Moment Tensor Solution. s30,c38; s88,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.94±.18 $M_{\theta\theta}$-1.28±.13; $M_{\phi\phi}$3.23±.12; $M_{r\theta}$-0.34±.34; $M_{\theta\phi}$0.25±.09; $M_{\phi r}$0.13±.22; Best double couple: NP1:ϕ_s25.00000°,δ48.00000°,λ-58.00000°. NP2:ϕ_s162.00000°,δ51.00000°,λ-121.00000°. Principal axes: T 3.2460,Plg1.0000°,Azm273.0000°; N -1.1460,Plg23.0000°,Azm183.0000°; P -2.0900,Plg67.0000°,Azm6.0000° M_o2.66800×10^{16}
ISC VIII 19 14 28 07.9–1.4 58.7S–.20 23.4W–.40 10 9 14-153
IDC VIII 19 14 28 06.0–1.4 58.63S 24.06W 0 4.2L,4.1 **¶621035993**
ISC Event type se.
IDC Error ellipse: s-maj=75.1km s-min=27.3km az=88.0.
ISC VIII 20 00 16 14.0–.40 58.43S–.07 23.29W–.08 10 4.6b,3.7s 58 8-153
IDC VIII 20 00 16 12.6–.64 58.36S 23.38W 0 4.7L,4.4b **¶621041228**
NEIC VIII 20 00 16 14.0–1.4 58.38S–.07 23.4W–.10 10–1 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 19 19 57 46.5–1.2 59.7S–.10 25.3W–.30 35 4.0b,3.2s 13 13-153
IDC VIII 19 19 57 40.7–1.1 59.53S 25.86W 0 4.3L,4.1b **¶621039211**
ISC Event type se.
IDC Error ellipse: s-maj=51.4km s-min=22.6km az=85.0.
ISC VIII 19 16 27 44.5–.52 59.63S–.05 26.39W–.05 59–4 5.3b,4.6s 479 8-173
BJI VIII 19 16 27 40.8 59.60S 26.20W 30 5.3b,5.1s **¶621237539**
GFZ VIII 19 16 27 40.5–.17 60S–3.0 26W–3.0 21 5.4,5.4b
NEIC VIII 19 16 27 43.1–1.6 59.62S–.08 26.5W–.20 47–4 5.3b,5.2
IDC VIII 19 16 27 43.2–1.5 59.65S 26.38W 45–12 5.0,4.9L
GCMT VIII 19 16 27 47.9–.10 59.96S–.01 25.71W–.02 42–0 5.2W,4.9L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108191627A. Moment Tensor Solution. s90,c136; s120,c200;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.02 $M_{\theta\theta}$0.30±.02; $M_{\phi\phi}$-0.76±.01; $M_{r\theta}$-0.27±.01; $M_{\theta\phi}$-0.24±.01; $M_{\phi r}$0.35±.01; Best double couple: NP1: ϕ_s225.00000°,δ45.00000°,λ146.00000°. NP2:ϕ_s341.00000°,δ66.00000°,λ50.00000°. Principal axes: T 0.7840,Plg51.0000°,Azm205.0000°; N 0.0990,Plg36.0000°,Azm359.0000°; P -0.8830,Plg13.0000°,Azm99.0000° M_o0.83300×10^{17}
ISC VIII 19 16 34 10.9–.35 60.39S–.07 26.53W–.07 20 5.0b 178 8-157
IDC VIII 19 16 34 08.8–.59 60.40S 26.33W 0 4.5b,4.5 **¶620997352**
NEIC VIII 19 16 34 09.9–1.1 60.36S–.07 26.5W–.20 10–1 5.0b,4.5
GFZ VIII 19 16 34 10.2–.21 61S–5.0 26W–5.0 10 5.0b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 20 00 20 23.4–.88 58.1S–.10 25.1W–.20 10 3.9b 9 16-152
IDC VIII 20 00 20 21.4–.94 57.96S 25.17W 0 4.2L,4.1 **¶621041229**
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=20.7km az=63.0.
ISC VIII 20 00 37 35.2–.99 59.8S–.20 27.0W–.30 10 3.8b 7 15-153
IDC VIII 20 00 37 34.3–.94 59.76S 27.35W 0 4.7L,4.0 **¶621041233**
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=18.2km az=71.0.
ISC VIII 19 20 13 09.3–.59 55.42S–.09 28.09W–.10 26 4.3b 24 5-151
IDC VIII 19 20 13 06.4–.74 55.23S 27.98W 0 4.1b,4.1 **¶621039215**
NEIC VIII 19 20 13 10.1–1.8 55.6S–.10 28.2W–.10 35–2 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 02 42 30.0–.48 59.29S–.08 24.85W–.09 27 4.6b,3.5s 48 10-153
IDC VIII 20 02 42 26.4–.62 59.21S 24.95W 0 5.2L,4.5 **¶621041235**
NEIC VIII 20 02 42 30.7–1.6 59.3S–.10 24.9W–.20 28–6 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 19 20 35 04.5–1.4 60.4S–.20 25.9W–.40 10 7 13-153
IDC VIII 19 20 35 02.5–1.4 60.23S 27.13W 0 3.9,3.8b **¶621039217**
ISC Event type se.
IDC Error ellipse: s-maj=68.6km s-min=27.0km az=87.0.
ISC VIII 20 03 13 51.8–.28 58.57S–.06 23.30W–.06 10 5.0b,4.2s 220 8-174
IDC VIII 20 03 13 49.9–.37 58.45S 23.22W 0 5.0L,4.8b **¶621237542**
BJI VIII 20 03 13 51.6 58.60S 23.20W 10 5.3b,5.0s
NEIC VIII 20 03 13 51.9–2.1 58.58S–.09 23.2W–.20 10–1 5.2b,5.0s
GFZ VIII 20 03 13 52.6–.20 59S–4.0 23W–4.0 10 5.0b,5.0
GCMT VIII 20 03 13 54.1–.20 58.63S–.02 22.69W–.03 12 4.9W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108200313A. Moment Tensor Solution. s33,c38; s113,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.00±.07 $M_{\theta\theta}$0.59±.08; $M_{\phi\phi}$2.41±.06; $M_{r\theta}$0.17±.30; $M_{\theta\phi}$0.89±.06; $M_{\phi r}$-0.29±.27; Best double couple: NP1:ϕ_s207.00000°,δ43.00000°,λ-83.00000°. NP2:ϕ_s17.00000°,δ47.00000°,λ-96.00000°. Principal axes: T 2.7790,Plg2.0000°,Azm112.0000°; N 0.2510,Plg5.0000°,Azm22.0000°; P -3.0290,Plg85.0000°,Azm226.0000° M_o2.90400×10^{16}
ISC VIII 20 01 09 51.1–.36 56.89S–.07 25.03W–.07 10 5.0b,4.0s 142 11-158
IDC VIII 20 01 09 49.6–.50 56.82S 24.95W 0 4.5b,4.5 **¶620998462**
NEIC VIII 20 01 09 51.3–2.1 56.9S–.10 25.1W–.20 10–1 5.0b,4.5
GFZ VIII 20 01 09 51.8–.22 57S–4.0 25W–5.0 10 5.0b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC VIII 19 23 15 27.2–1.3 57.54S 24.80W 0 3.6b,3.6
¶621039226
IDC Error ellipse: s-maj=110.5km s-min=36.6km az=103.0.
ISC VIII 20 03 21 33.9–.79 57.95S–.06 25.47W–.07 40–7 5.1b,4.2s 228 7-175
IDC VIII 20 03 21 28.0–.38 57.91S 25.45W 0 4.8b,4.8 **¶620998469**
GFZ VIII 20 03 21 30.9–.24 58S–4.0 26W–6.0 10 5.0b,5.0
NEIC VIII 20 03 21 33.7–1.8 58.0S–.10 25.35W–.07 35–1 5.2b,5.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 03 41 20.1–.75 59.70S–.06 26.60W–.07 62–6 5.1b 258 8-173
GFZ VIII 20 03 41 17.8–.23 60S–4.0 27W–4.0 33 5.3,5.3b **¶621237543**
IDC VIII 20 03 41 20.3–3.8 59.77S 26.67W 63–33 5.3L,4.9
NEIC VIII 20 03 41 22.4–1.8 59.72S–.09 26.6W–.20 78–4 5.1b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 05 11 40.6–.68 59.7S–.10 25.65W–.10 10 4.5b 25 10-153
NEIC VIII 20 05 11 40.1–2.0 59.7S–.10 25.5W–.20 10–2 4.4b **¶621041241**
IDC VIII 20 05 11 41.2–.94 59.70S 26.31W 0 4.2L,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=17.1km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.7km s-min=22.8km az=45.0.
ISC VIII 20 05 19 52.0–.96 58.6S–.20 23.3W–.20 10 3.6b 7 16-153
IDC VIII 20 05 19 50.9–1.0 58.52S 23.39W 0 4.2L,3.9 **¶621041242**
ISC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=24.5km az=83.0.
IDC VIII 20 01 31 05.9–2.0 60.01S 26.58W 0 4.2b,4.2
¶621041234
IDC Error ellipse: s-maj=73.9km s-min=25.9km az=85.0.
ISC VIII 20 08 18 34.0–.75 57.3S–.10 24.4W–.10 10 4.1b 23 11-152
IDC VIII 20 08 18 32.5–.86 57.14S 23.91W 0 3.9b,3.9 **¶621041253**
NEIC VIII 20 08 18 35.5–1.7 57.5S–.10 24.7W–.10 10–2 4.0b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 06 52 38.9–1.0 57.4S–.20 25.1W–.30 15 3.8b 7 17-152
IDC VIII 20 06 52 36.6–1.1 57.34S 25.08W 0 3.9,3.8b **¶621041244**
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=21.7km az=70.0.
ISC VIII 20 04 30 11.4–.52 57.63S–.08 26.4W–.10 100 4.4b 54 7-153
IDC VIII 20 04 29 58.6–.61 57.38S 26.06W 0 4.3b,4.3 **¶621041239**
NEIC VIII 20 04 30 10.9–1.7 57.6S–.10 26.4W–.20 94–8 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 20 08 59 58.6–1.2 56.65S 24.49W 0 4.0b,3.9
¶621041258
IDC Error ellipse: s-maj=50.7km s-min=27.4km az=75.0.
ISC VIII 20 05 09 44.0–.50 59.22S–.09 25.14W–.08 18 4.4b,3.7s 43 10-153
IDC VIII 20 05 09 41.6–.64 59.11S 25.16W 0 4.6L,4.2b **¶621041240**
NEIC VIII 20 05 09 46.8–.98 59.3S–.10 25.2W–.10 41–9 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 14 31 28.1–.73 56.5S–.10 25.1W–.10 10 4.4b 24 18-151
NEIC VIII 20 14 31 27.7–.62 56.4S–.20 24.9W–.30 10–1 4.4b **¶621041288**
IDC VIII 20 14 31 27.5–1.1 56.45S 25.40W 0 4.2b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=20.3km az=39.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.4km s-min=26.9km az=75.0.
ISC VIII 20 10 01 53.3–.61 59.54S–.10 26.09W–.09 40 4.2b,3.4s 45 8-153
IDC VIII 20 10 01 47.9–.73 59.44S 26.48W 0 4.1b,4.1 **¶621041267**
NEIC VIII 20 10 01 52.9–1.2 59.57S–.09 25.9W–.20 35–2 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 17 38 03.7–1.1 60.5S–.20 27.2W–.30 19 6 15-153
IDC VIII 20 17 38 03.1–1.1 59.79S 27.15W 0 4.5L,4.0 **¶621041297**
ISC Event type se.
IDC Error ellipse: s-maj=49.5km s-min=22.1km az=68.0.
ISC VIII 20 10 52 23.8–.85 57.4S–.10 25.5W–.10 43 4.2b 27 7-152
NEIC VIII 20 10 52 18.3–1.1 57.3S–.10 25.1W–.20 10–2 4.3b **¶621041275**
IDC VIII 20 10 52 18.7–1.0 57.31S 25.40W 0 4.0L,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=9.4km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.5km s-min=23.3km az=76.0.
ISC VIII 20 11 16 14.1–.35 58.90S–.07 24.77W–.07 10 4.8b,4.5s 136 10-153
IDC VIII 20 11 16 12.6–.47 58.83S 24.75W 0 5.1L,4.6b **¶621041276**
NEIC VIII 20 11 16 14.3–.96 58.88S–.04 24.8W–.20 10–1 4.8b,4.6b
GCMT VIII 20 11 16 21.6–.20 58.93S–.02 24.07W–.02 22–0 5.1W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108201116A. Moment Tensor Solution. s68,c84; s103,c150; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.92±.17 $M_{\theta\theta}$0.12±.11; $M_{\phi\phi}$-4.04±.11; $M_{r\theta}$0.35±.21; $M_{\theta\phi}$-0.62±.08; $M_{\phi r}$2.87±.17; Best double couple: NP1:ϕ_s189.00000°,δ27.00000°,λ92.00000°. NP2:ϕ_s8.00000°,δ63.00000°,λ89.00000°. Principal axes: T 4.8510,Plg72.0000°,Azm276.0000°; N 0.2060,Plg1.0000°,Azm8.0000°; P -5.0630,Plg18.0000°,Azm98.0000° M_o4.95700×10^{16}
ISC VIII 20 15 07 42.7–.27 57.08S–.06 25.12W–.06 22 4.9b,4.6s 221 7-176
IDC VIII 20 15 07 39.6–.42 57.04S 25.17W 0 4.6b,4.6 **¶620998940**
NEIC VIII 20 15 07 40.7–1.9 57.1S–.10 25.0W–.10 10–1 5.2,5.1b
GFZ VIII 20 15 07 45.4–.20 57S–4.0 25W–4.0 40 4.9,4.9b
GCMT VIII 20 15 07 46.2–.10 57.08S–.01 24.58W–.01 12 5.2W,4.9b
BJI VIII 20 15 07 47.6 57.10S 25.10W 55 5.4b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=14.0km az=38.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=4.3km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108201507A. Moment Tensor Solution. s94,c142; s128,c201;Duration: 1ŝ0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.00±.11 $M_{\theta\theta}$0.74±.12; $M_{\phi\phi}$-5.74±.09; $M_{r\theta}$-1.26±.31; $M_{\theta\phi}$2.82±.08; $M_{\phi r}$5.20±.25; Best double couple: NP1: ϕ_s151.00000°,δ24.00000°,λ76.00000°. NP2:ϕ_s345.00000°,δ66.00000°,λ96.00000°. Principal axes: T 7.1070,Plg68.0000°,Azm267.0000°; N 1.7310,Plg6.0000°,Azm163.0000°; P -8.8400,Plg21.0000°,Azm71.0000° M_o7.97400×10^{16}
ISC VIII 20 15 20 15.2–.51 58.38S–.10 23.16W–.10 10 4.1b 35 8-153
NEIC VIII 20 15 20 15.0–1.5 58.32S–.08 23.0W–.20 10–1 4.3b **¶621041290**
IDC VIII 20 15 20 14.2–.61 58.37S 23.28W 0 4.5L,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=10.7km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.2km s-min=17.6km az=68.0.
ISC VIII 20 13 12 39.2–1.2 57.7S–.20 25.4W–.50 50 3.8b 7 17-152
IDC VIII 20 13 12 31.9–1.1 57.60S 26.00W 0 4.0b,3.9 **¶621041282**
ISC Event type se.
IDC Error ellipse: s-maj=71.2km s-min=24.8km az=93.0.
ISC VIII 20 21 10 33.3–.62 55.3S–.10 27.58W–.09 10 4.3b,3.3s 31 5-151
IDC VIII 20 21 10 32.4–.81 55.25S 27.28W 0 4.0L,3.9b **¶621041311**
NEIC VIII 20 21 10 33.3–.90 55.3S–.10 27.6W–.10 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 18 59 13.7–.34 57.16S–.07 25.13W–.07 22 5.0b,4.1s 111 7-158
IDC VIII 20 18 59 11.5–.50 57.01S 25.03W 0 4.6b,4.6 **¶621041303**
NEIC VIII 20 18 59 13.3–1.4 57.19S–.10 25.1W–.10 21–2 5.0b,4.6
GCMT VIII 20 18 59 18.9–.30 57.22S–.03 24.68W–.03 22–1 5.0W,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108201859A. Moment Tensor Solution. s30,c35; s80,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.50±.21 $M_{\theta\theta}$0.90±.15; $M_{\phi\phi}$-3.39±.14; $M_{r\theta}$1.04±.28; $M_{\theta\phi}$0.47±.09; $M_{\phi r}$1.04±.18; Best double couple: NP1:ϕ_s148.00000°,δ43.00000°,λ50.00000°. NP2:ϕ_s18.00000°,δ59.00000°,λ121.00000°. Principal axes:

T 3.2090,Plg62.0000°,Azm339.0000°; N 0.3850,Plg26.0000°,Azm181.0000° ; P -3.5880,Plg9.0000°,Azm86.0000° $M_0$3.39800×10^{16}

ISC VIII 20 19 07 47.1–.99 59.0S–.20 25.7W–.30 10 4.1b 6 16-153
IDC VIII 20 19 07 46.1–1.1 58.79S 25.79W 0 4.1L,4.1 **¶621041304**
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=29.6km az=62.0.
ISC VIII 20 19 36 26.9–.39 57.87S–.07 25.52W–.08 49 4.4b 108 7-154
IDC VIII 20 19 36 20.4–.53 57.79S 25.57W 0 4.2b,4.2 **¶621041306**
NEIC VIII 20 19 36 28.0–1.3 57.88S–.10 25.5W–.20 51–5 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 20 19 37 37.5–1.9 59.33S 24.24W 0 4.1,3.9b
¶621041307
IDC Error ellipse: s-maj=98.7km s-min=28.1km az=72.0.
ISC VIII 20 15 35 19.4–.98 59.5S–.20 23.9W–.30 10 4.0b 6 15-154
IDC VIII 20 15 35 18.5–1.1 59.38S 24.06W 0 4.4L,4.2 **¶621041291**
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=22.1km az=69.0.
ISC VIII 20 21 32 03.5–.57 59.45S–.09 25.76W–.10 40 4.5b,3.4s 45 8-153
IDC VIII 20 21 31 57.5–.66 59.28S 25.98W 0 4.3L,4.2b **¶621041314**
NEIC VIII 20 21 32 03.0–1.7 59.5S–.10 25.7W–.30 34–7 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 15 56 57.2–.61 58.62S–.05 23.31W–.05 53–5 5.3b,4.7s 402 8-166
IDC VIII 20 15 56 49.5–.36 58.35S 23.08W 0 5.2L,4.9b **¶620998942**
BJI VIII 20 15 56 50.6 58.70S 23.10W 10 5.3s,5.0
MOS VIII 20 15 56 54.1–1.3 58.50S 23.22W 35 5.4b,5.0
NEIC VIII 20 15 56 55.6–2.5 58.67S–.10 23.3W–.20 38–4 5.3b,5.3
GCMT VIII 20 15 56 56.7–.10 58.53S–.01 22.97W–.01 30–0 5.3W,5.3
GFZ VIII 20 15 56 56.6–.15 59S–3.0 23W–3.0 37 5.5,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108201556A. Moment Tensor Solution. s98,c149; s143,c242;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.34±.02 $M_{\theta\theta}$-0.28±.02; $M_{\phi\phi}$-0.06±.02; $M_{r\theta}$-0.20±.02; $M_{\theta\phi}$0.81±.01; $M_{\phi r}$-0.51±.03; Best double couple: NP1: ϕ_s273.00000°,δ58.00000°,λ22.00000°. NP2:ϕ_s170.00000°,δ71.00000°,λ146.00000°. Principal axes: T 1.0360,Plg37.0000°,Azm127.0000°; N -0.0210,Plg51.0000°,Azm325.0000° ; P -1.0150,Plg9.0000°,Azm224.0000° $M_0$1.02600×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 21 00 04 28.5–.42 57.68S–.07 25.45W–.08 43 4.9b 59 7-152
IDC VIII 21 00 04 22.8–1.1 57.69S 25.50W 0 3.8b,3.8 **¶621008668**
NEIC VIII 21 00 04 28.2–1.0 57.74S–.08 25.4W–.20 39–7 4.9b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 20 16 03 06.6–1.4 58.37S 25.84W 0 4.2L,4.0b
¶621041295
IDC Error ellipse: s-maj=58.4km s-min=32.3km az=50.0.
IDC VIII 20 21 59 31.5–1.2 57.78S 26.20W 0 3.8b,3.8
¶621041315
IDC Error ellipse: s-maj=77.7km s-min=25.9km az=92.0.
ISC VIII 21 00 05 38.7–.48 57.71S–.07 25.68W–.09 50 4.6b 60 7-152
IDC VIII 21 00 05 39.8–.71 57.72S 25.74W 61–6 4.4,4.1b **¶621008772**
NEIC VIII 21 00 05 39.5–1.6 57.77S–.10 25.7W–.20 56–2 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 22 25 55.0–.29 57.99S–.06 25.41W–.06 35 4.9b,3.9s 177 7-158
IDC VIII 20 22 25 49.9–.43 57.93S 25.26W 0 4.6b,4.6 **¶621041318**
NEIC VIII 20 22 25 55.3–1.4 58.02S–.08 25.5W–.20 35–1 5.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 00 14 20.3–.38 57.70S–.07 25.58W–.07 43 4.7b,3.6s 80 7-152
IDC VIII 21 00 14 22.6–.62 57.69S 25.73W 64–5 4.3,4.0b **¶621008648**
NEIC VIII 21 00 14 23.6–1.2 57.75S–.09 25.7W–.10 74–5 4.9b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 22 36 52.7–.80 57.4S–.10 25.2W–.20 15 3.8b 9 17-152
IDC VIII 20 22 36 50.5–.86 57.37S 25.18W 0 3.9L,3.9b **¶621041319**
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=22.4km az=72.0.
ISC VIII 21 01 31 02.3–1.3 60.4S–.20 27.0W–.40 10 3.5s 10 13-153
IDC VIII 21 01 31 00.3–1.4 60.16S 27.69W 0 4.5L,4.2 **¶621042961**
ISC Event type se.
IDC Error ellipse: s-maj=65.5km s-min=25.7km az=84.0.
ISC VIII 21 05 53 19.0–.81 59.2S–.10 24.6W–.10 10 4.4b,3.6s 27 10-153
NEIC VIII 21 05 53 15.9–1.6 58.9S–.10 23.8W–.20 10–1 4.3b,3.6s **¶621042974**
IDC VIII 21 05 53 19.3–.96 59.21S 24.87W 0 4.8L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=13.2km az=33.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.6km s-min=22.1km az=82.0.
ISC VIII 21 02 49 04.0–1.1 57.5S–.20 25.0W–.30 10 3.8b 7 15-74
IDC VIII 21 02 49 03.4–1.2 57.32S 25.14W 0 3.8b,3.8 **¶621042964**
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=25.4km az=69.0.
ISC VIII 20 23 16 10.3–.72 57.98S–.10 24.1W–.10 10 4.3b 36 8-153
NEIC VIII 20 23 16 10.1–1.0 57.9S–.10 23.9W–.20 10–1 4.4b **¶621041321**
IDC VIII 20 23 16 10.1–1.1 57.96S 24.56W 0 4.2L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=14.2km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.2km s-min=22.6km az=70.0.
ISC VIII 20 23 26 19.0–.56 60.30S–.08 27.87W–.09 10 4.4b,4.0s 35 8-153
IDC VIII 20 23 26 17.9–.77 60.19S 27.82W 0 4.3L,4.1b **¶621041323**
NEIC VIII 20 23 26 20.5–1.1 60.32S–.10 28.0W–.20 18–3 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 21 03 53 11.4–1.4 55.28S 27.62W 0 3.7L,3.6b
¶621042966
IDC Error ellipse: s-maj=79.9km s-min=27.0km az=92.0.
ISC VIII 21 07 28 38.8–.53 58.30S–.08 23.49W–.09 10 4.3b,3.6s 37 14-153
IDC VIII 21 07 28 37.8–.67 58.32S 23.61W 0 4.1L,4.1b **¶621008830**
NEIC VIII 21 07 28 39.0–1.7 58.3S–.10 23.47W–.10 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 08 19 16.0–1.4 58.3S–.20 23.6W–.40 10 10 14-153
IDC VIII 21 08 19 14.4–1.4 58.29S 24.15W 0 3.8L,3.8b **¶621008733**
ISC Event type se.
IDC Error ellipse: s-maj=78.9km s-min=29.9km az=87.0.
ISC VIII 21 02 50 56.1–.47 57.72S–.07 24.64W–.08 10 4.6b 53 7-152
IDC VIII 21 02 50 54.7–.59 57.69S 24.80W 0 4.4b,4.3L **¶621008649**
NEIC VIII 21 02 50 56.5–2.6 57.8S–.10 24.7W–.20 10–1 4.7b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 02 57 01.6–1.9 58.4S–.20 24.5W–.60 10 8 14-153
IDC VIII 21 02 57 01.5–1.6 58.09S 23.95W 0 4.4b,4.3 **¶621008707**
ISC Event type se.
IDC Error ellipse: s-maj=78.9km s-min=35.7km az=80.0.
ISC VIII 21 02 58 28.6–.74 60.0S–.10 26.1W–.10 100 4.3b 25 8-153
IDC VIII 21 02 58 17.5–.88 59.23S 25.87W 0 4.7L,4.2 **¶621008853**
NEIC VIII 21 02 58 36.2–2.2 59.96S–.09 27.4W–.20 111–10 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 06 47 54.8–.49 58.32S–.08 23.65W–.09 10 4.3b,3.5s 42 11-153
IDC VIII 21 06 47 53.8–.66 58.26S 23.86W 0 4.2b,4.2 **¶621008770**
NEIC VIII 21 06 47 54.8–.91 58.38S–.04 23.6W–.20 10–1 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 07 39 48.2–.78 60.5S–.10 26.9W–.20 10 3.5b 16 13-153
IDC VIII 21 07 39 47.7–.80 60.36S 27.30W 0 4.3L,3.9 **¶621008833**
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=19.2km az=71.0.
ISC VIII 21 06 50 08.5–.74 57.4S–.10 24.8W–.10 15 4.2b 19 17-152
IDC VIII 21 06 50 06.5–3.0 57.38S 24.88W 0 4.1b,4.1 **¶621042975**
NEIC VIII 21 06 50 08.3–.53 57.5S–.10 24.9W–.10 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 08 24 51.2–.64 57.13S–.09 24.89W–.10 10 4.1b 35 11-152
IDC VIII 21 08 24 50.3–.78 57.13S 24.91W 0 4.0b,4.0 **¶621008643**
NEIC VIII 21 08 24 51.3–1.4 57.1S–.10 24.9W–.20 10–2 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 07 40 54.9–.42 58.22S–.08 25.52W–.08 49 4.6b 54 7-152
IDC VIII 21 07 40 47.9–.52 58.16S 25.66W 0 4.4b,4.3L **¶621008730**
NEIC VIII 21 07 40 54.7–1.1 58.21S–.08 25.6W–.20 46–9 4.6b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 07 03 30.4–1.3 58.8S–.20 23.2W–.40 10 9 14-154
IDC VIII 21 07 03 28.9–1.4 58.69S 24.00W 0 3.9L,3.8b **¶621008738**
ISC Event type se.
IDC Error ellipse: s-maj=84.9km s-min=29.4km az=87.0.
ISC VIII 21 12 25 25.7–.58 58.90S–.09 23.97W–.10 10 4.3b 34 8-153
IDC VIII 21 12 25 24.1–.94 58.64S 24.11W 0 4.3L,4.2b **¶621008859**
NEIC VIII 21 12 25 26.3–.91 59.0S–.10 24.0W–.20 10–1 4.3b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 07 06 18.6–.88 58.3S–.10 23.5W–.20 10 3.9b,3.3s 12 14-153
IDC VIII 21 07 06 17.5–.92 58.26S 23.56W 0 4.1L,3.9b **¶621008792**
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=24.9km az=65.0.
IDC VIII 21 11 20 56.0–1.4 56.82S 23.77W 0 3.7b,3.7
¶621042986
IDC Error ellipse: s-maj=121.8km s-min=27.4km az=98.0.
ISC VIII 21 09 33 14.9–.44 58.81S–.07 23.87W–.08 10 4.6b,3.7s 73 11-153
IDC VIII 21 09 33 13.9–.62 58.66S 23.97W 0 4.2b,4.2 **¶621008914**
NEIC VIII 21 09 33 15.0–1.1 58.9S–.10 23.9W–.20 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 14 54 58.7–.41 58.43S–.07 23.20W–.07 10 4.8b,3.7s 65 8-155
IDC VIII 21 14 54 57.7–.55 58.44S 22.95W 0 4.7L,4.4b **¶621008701**
NEIC VIII 21 14 54 58.7–1.7 58.43S–.09 23.4W–.10 10–1 4.9b,4.4b
GCMT VIII 21 14 55 03.3–.40 58.55S–.05 22.64W–.07 28–0 4.9W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108211455A. Moment Tensor Solution. s17,c18; s75,c87; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.02±.25 $M_{\theta\theta}$0.68±.17; $M_{\phi\phi}$2.34±.16; $M_{r\theta}$-0.03±.31; $M_{\theta\phi}$0.85±.09; $M_{\phi r}$0.03±.24; Best double couple: NP1:ϕ_s24.00000°,δ45.00000° ,λ-89.00000°. NP2:ϕ_s202.00000°,δ45.00000°,λ-91.00000°. Principal axes: T 2.7000,Plg0.0000°,Azm293.0000°; N 0.3210,Plg1.0000°,Azm203.0000° ; P -3.0200,Plg89.0000°,Azm41.0000° $M_0$2.86000×10^{16}
ISC VIII 21 11 04 03.5–.42 56.98S–.07 25.10W–.08 10 4.7b,3.8s 118 7-152
IDC VIII 21 11 04 02.2–.63 56.88S 24.93W 0 4.5L,4.5b **¶620999305**
NEIC VIII 21 11 04 03.5–.82 57.03S–.10 25.1W–.20 10–1 4.8b,4.5b
GFZ VIII 21 11 04 04.5–.28 57S–5.0 25W–5.0 10 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 21 11 33 19.1–.81 57.2S–.10 24.5W–.10 10 4.2b 23 17-152
NEIC VIII 21 11 33 18.1–.78 57.1S–.20 24.2W–.30 10–2 4.3b **¶621042988**
IDC VIII 21 11 33 19.1–1.2 57.12S 24.53W 0 3.9b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=19.1km az=37.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.0km s-min=25.7km az=68.0.
ISC VIII 21 11 58 51.5–.45 57.96S–.07 25.48W–.09 35 4.3b,3.5s 45 7-152
IDC VIII 21 11 58 46.5–.67 57.89S 25.40W 0 4.7L,4.3 **¶621042992**
NEIC VIII 21 11 58 52.2–1.1 57.98S–.09 25.5W–.20 40–8 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 13 48 43.2–.44 59.57S–.07 23.83W–.08 10 4.6b,3.7s 62 9-154
NEIC VIII 21 13 48 43.0–2.7 59.5S–.10 23.6W–.20 10–1 4.6b,3.7s **¶621008823**
IDC VIII 21 13 48 42.5–.56 59.53S 24.16W 0 4.4b,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=15.2km az=40.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.0km s-min=15.0km az=68.0.
ISC VIII 21 14 08 57.0–.81 59.7S–.10 24.0W–.20 10 4.0b 14 13-154
IDC VIII 21 14 08 55.9–.88 59.59S 24.10W 0 4.2b,4.2 **¶621042998**
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=19.8km az=60.0.
ISC VIII 21 14 25 36.2–1.6 58.5S–.10 23.1W–.40 10 10 14-149
IDC VIII 21 14 25 33.8–2.0 58.40S 24.21W 0 4.5L,3.9 **¶621042999**
ISC Event type se.
IDC Error ellipse: s-maj=102.3km s-min=27.0km az=95.0.
ISC VIII 21 14 59 26.2–1.1 59.9S–.10 25.1W–.30 50 3.8b 15 13-153
IDC VIII 21 14 59 17.3–1.1 59.58S 27.09W 0 4.5L,4.0b **¶621008721**
ISC Event type se.
IDC Error ellipse: s-maj=50.3km s-min=21.7km az=82.0.
ISC VIII 21 15 20 49.0–.71 57.4S–.10 25.1W–.20 15 4.0b 19 15-152
IDC VIII 21 15 20 46.8–.67 57.39S 25.11W 0 4.1b,4.1 **¶621008654**
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=19.2km az=71.0.
ISC VIII 21 15 58 48.2–.97 58.8S–.20 24.1W–.20 10 12 14-153
IDC VIII 21 15 58 47.1–.98 58.74S 24.33W 0 4.5L,4.2 **¶621008866**
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=26.6km az=74.0.
ISC VIII 21 15 24 46.1–1.1 58.6S–.10 23.0W–.40 10 12 14-153
IDC VIII 21 15 24 43.7–1.1 58.42S 23.65W 0 4.1L,4.0 **¶621043002**
ISC Event type se.
IDC Error ellipse: s-maj=71.2km s-min=24.6km az=89.0.
ISC VIII 21 15 26 48.5–.94 58.5S–.10 25.0W–.20 28 4.0b 14 14-153
IDC VIII 21 15 26 44.2–.95 58.34S 25.15W 0 4.7L,4.1 **¶621008810**
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=22.8km az=72.0.
ISC VIII 21 15 34 18.0–.44 58.69S–.07 23.84W–.08 10 4.5b,3.9s 58 8-153

IDC VIII 21 15 34 16.7–.56 58.59S 23.93W 0 4.4L,4.4 ¶621008764
NEIC VIII 21 15 34 18.1–1.5 58.73S–.10 23.9W–.20 10–1 4.6b,4.4
GCMT VIII 21 15 34 22.7–.30 58.90S–.04 23.14W–.04 14–1 4.8W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108211534A. Moment Tensor Solution. s24,c27; s78,c102; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.95±.17 $M_{\theta\theta}$0.31±.10; $M_{\phi\phi}$1.64±.11; $M_{r\theta}$-0.18±.30; $M_{\theta\phi}$0.53±.06; $M_{\phi r}$-0.25±.22; Best double couple: NP1:ϕ_s197.00000°,δ41.00000°,λ-94.00000°. NP2:ϕ_s22.00000°,δ50.00000°,λ-87.00000°. Principal axes: T 1.8490,Plg4.0000°,Azm109.0000°; N 0.1270,Plg2.0000°,Azm200.0000°; P -1.9770,Plg85.0000°,Azm317.0000° $M_0$1.91300×10^{16}
ISC VIII 21 15 46 56.5–1.3 58.4S–.20 25.2W–.40 35 10 14-152
IDC VIII 21 15 46 50.3–1.1 58.21S 25.44W 0 4.0b,3.9L ¶621043003
ISC Event type se.
IDC Error ellipse: s-maj=70.0km s-min=27.6km az=88.0.
ISC VIII 21 16 25 50.8–.60 57.73S–.10 25.8W–.20 65 4.3b 21 15-175
IDC VIII 21 16 25 51.9–5.3 57.70S 25.75W 72–47 4.3,4.2L ¶621008806
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=16.9km az=75.0.
ISC VIII 21 18 46 54.5–.57 59.66S–.09 26.1W–.10 35 4.3b 56 8-153
IDC VIII 21 18 46 49.5–.64 59.64S 26.00W 0 4.1b,4.1 ¶621008802
NEIC VIII 21 18 46 55.0–1.2 59.6S–.10 26.2W–.30 35–8 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 17 15 13.9–1.9 58.8S–.20 22.5W–.60 10 8 14-154
IDC VIII 21 17 15 14.7–1.5 58.43S 22.41W 0 3.9L,3.9b ¶621043007
ISC Event type se.
IDC Error ellipse: s-maj=81.6km s-min=28.8km az=86.0.
ISC VIII 21 17 21 13.7–1.0 59.7S–.20 25.7W–.30 35 4.0b 11 13-150
IDC VIII 21 17 21 08.6–1.1 59.57S 25.91W 0 4.0b,4.0 ¶621008840
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=25.5km az=70.0.
ISC VIII 21 15 53 02.8–.39 58.72S–.07 23.87W–.08 10 4.8b,3.8s 114 8-157
IDC VIII 21 15 53 01.9–.48 58.66S 23.96W 0 5.0L,4.6 ¶620999311
NEIC VIII 21 15 53 03.1–2.4 58.76S–.10 23.75W–.06 10–1 4.9b,4.6
GFZ VIII 21 15 53 07.8–.38 59S–5.0 24W–5.0 35–2 4.8b,4.8
GCMT VIII 21 15 53 07.5–.40 58.77S–.05 23.11W–.05 19–1 4.8W,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108211553A. Moment Tensor Solution. s17,c19; s81,c102; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.20±.21 $M_{\theta\theta}$0.41±.12; $M_{\phi\phi}$1.79±.13; $M_{r\theta}$0.87±.34; $M_{\theta\phi}$0.65±.07; $M_{\phi r}$-0.12±.26; Best double couple: NP1:ϕ_s5.00000°,δ45.00000°,λ-116.00000°. NP2:ϕ_s219.00000°,δ51.00000°,λ-67.00000°. Principal axes: T 2.0620,Plg3.0000°,Azm293.0000°; N 0.4260,Plg18.0000°,Azm24.0000°; P -2.4840,Plg72.0000°,Azm194.0000° $M_0$2.27300×10^{16}
ISC VIII 21 20 26 46.0–1.8 58.4S–.20 24.4W–.60 10 9 14-153
IDC VIII 21 20 26 44.9–1.8 58.24S 24.60W 0 4.3L,4.0 ¶621043018
ISC Event type se.
IDC Error ellipse: s-maj=91.6km s-min=36.9km az=79.0.
ISC VIII 21 18 14 16.3–.65 56.79S–.09 24.49W–.09 10 4.2b,3.0s 34 7-152
NEIC VIII 21 18 14 15.6–.70 56.8S–.10 24.4W–.20 10–2 4.4b,3.0s ¶621008728
IDC VIII 21 18 14 15.7–.88 56.76S 24.48W 0 4.4L,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=17.9km az=24.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.2km s-min=19.4km az=69.0.
ISC VIII 21 19 07 20.1–1.2 58.6S–.10 24.7W–.40 35 3.4b 12 14-153
IDC VIII 21 19 07 14.0–1.2 58.44S 25.68W 0 4.1L,3.7b ¶621008672
ISC Event type se.
IDC Error ellipse: s-maj=69.7km s-min=27.4km az=88.0.
ISC VIII 21 20 58 50.4–1.6 58.5S–.10 22.5W–.40 10 11 14-148
IDC VIII 21 20 58 48.4–1.6 58.29S 23.08W 0 4.6L,4.2 ¶621043019
ISC Event type se.
IDC Error ellipse: s-maj=64.7km s-min=24.9km az=95.0.
ISC VIII 21 21 23 00.0–.96 58.9S–.20 23.8W–.20 10 3.9b 12 13-153
IDC VIII 21 21 22 59.0–.94 58.70S 23.88W 0 4.5L,4.1 ¶621008763
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=23.8km az=66.0.
ISC VIII 22 01 21 50.7–.95 57.9S–.20 24.8W–.30 40 4.1b 8 17-152
IDC VIII 22 01 21 46.5–1.1 57.64S 24.97W 0 4.0b,4.0 ¶621043041
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=28.3km az=42.0.
IDC VIII 22 02 37 16.2–1.3 59.77S 27.47W 0 4.6L,4.2
¶621043046
IDC Error ellipse: s-maj=56.6km s-min=28.4km az=59.0.
ISC VIII 22 03 04 02.4–1.4 60.1S–.10 23.9W–.30 10 6 14-154
IDC VIII 22 03 04 00.5–1.3 59.96S 24.40W 0 4.1L,4.0b ¶621043048
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=23.8km az=89.0.
ISC VIII 22 00 01 55.5–.92 56.9S–.20 25.6W–.30 35 3.9b 9 18-151
IDC VIII 22 00 01 49.6–.99 56.82S 25.23W 0 3.8b,3.8 ¶621043036
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=20.3km az=66.0.
ISC VIII 22 00 07 37.0–1.3 58.2S–.20 22.6W–.50 10 6 16-153
IDC VIII 22 00 07 35.4–1.2 58.09S 23.52W 0 4.0L,4.0b ¶621043037
ISC Event type se.
IDC Error ellipse: s-maj=74.6km s-min=23.9km az=93.0.
ISC VIII 21 23 02 02.5–1.5 58.5S–.20 22.3W–.50 35 10 14-154
IDC VIII 21 23 01 53.7–1.2 58.21S 25.05W 0 4.2L,4.1 ¶621043028
ISC Event type se.
IDC Error ellipse: s-maj=71.2km s-min=26.9km az=90.0.
IDC VIII 22 02 04 53.1–1.5 59.80S 23.63W 0 4.1L,4.0
¶621043045
IDC Error ellipse: s-maj=73.9km s-min=25.8km az=83.0.
ISC VIII 22 03 04 33.7–.41 60.01S–.07 24.49W–.09 10 4.6b 70 9-154
IDC VIII 22 03 04 32.5–.51 59.98S 24.53W 0 4.8L,4.4b ¶621043051
NEIC VIII 22 03 04 34.3–2.0 59.94S–.09 24.5W–.20 10–1 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 03 12 16.0–.46 60.06S–.09 24.33W–.08 10 4.7b 47 10-163
IDC VIII 22 03 12 14.8–.53 60.02S 24.39W 0 4.5L,4.5b ¶621043052
NEIC VIII 22 03 12 16.4–1.8 60.0S–.10 24.3W–.20 10–1 4.8b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 06 21 25.5–.99 59.7S–.20 26.1W–.30 40 3.7b 7 15-153
IDC VIII 22 06 21 19.9–.97 59.53S 26.54W 0 4.1L,3.9 ¶621043061
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=22.0km az=77.0.
ISC VIII 22 03 38 00.2–.32 57.40S–.07 24.80W–.07 15 5.0b 165 7-175
IDC VIII 22 03 37 57.9–.45 57.34S 24.78W 0 4.8b,4.8 ¶620999434
GFZ VIII 22 03 37 59.9–.22 57S–4.0 25W–4.0 10 5.0b,5.0
NEIC VIII 22 03 37 59.7–2.0 57.44S–.10 24.8W–.20 10–1 5.1b,5.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 00 13 06.3–.96 57.4S–.20 25.2W–.30 15 3.9b 7 17-152
IDC VIII 22 00 13 03.5–1.0 57.33S 25.03W 0 3.9b,3.9 ¶621043038
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=26.2km az=62.0.

ISC VIII 22 05 47 06.9–.59 58.00S–.09 25.6W–.10 49 4.4b 26 10-152
IDC VIII 22 05 47 01.1–.97 57.86S 25.38W 0 4.2b,4.2 ¶621043060
NEIC VIII 22 05 47 06.8–.53 58.0S–.10 25.6W–.20 45–8 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 06 22 14.3–.45 57.47S–.08 24.90W–.08 15 4.6b 65 7-152
IDC VIII 22 06 22 12.6–.55 57.39S 25.04W 0 4.4b,4.4 ¶621043062
NEIC VIII 22 06 22 13.4–.72 57.5S–.10 24.8W–.10 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 07 26 15.5–.76 59.7S–.10 23.8W–.10 10 4.2b 24 15-154
IDC VIII 22 07 26 14.9–1.0 59.66S 24.58W 0 4.0L,4.0b ¶621043066
NEIC VIII 22 07 26 15.2–1.7 59.7S–.10 23.7W–.40 10–2 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 09 28 50.8–.56 57.22S–.09 24.16W–.09 10 4.4b,3.7s 34 17-152
IDC VIII 22 09 28 49.9–.78 57.24S 23.98W 0 4.1b,4.1 ¶621043074
NEIC VIII 22 09 28 50.7–.86 57.24S–.09 24.1W–.20 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 08 28 32.5–.51 56.57S–.08 24.52W–.08 33 4.5b,3.9s 58 7-153
IDC VIII 22 08 28 28.5–.75 56.48S 24.33W 0 4.4b,4.4 ¶621043069
NEIC VIII 22 08 28 29.1–1.1 56.6S–.10 24.4W–.20 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 22 09 51 43.3–1.4 58.65S 24.43W 0 3.8b,3.8
¶621043075
IDC Error ellipse: s-maj=59.8km s-min=36.0km az=116.0.
ISC VIII 22 00 45 08.1–.14 60.15S–.03 24.36W–.03 8 6.6s,6.3b 2158 9-177
IDC VIII 22 00 45 06.6–.28 60.12S 24.57W 0 6.8L,6.6s ¶620999428
NEIC VIII 22 00 45 07.9–1.3 60.14S–.08 24.2W–.20 7–1 6.6,6.5b
MOS VIII 22 00 45 07.3–.91 60.15S 24.33W 10 6.5s,6.5b
ISC-P VIII 22 00 45 07 60.14S 24.22W 8–0 6.8,6.5b
BJI VIII 22 00 45 08.8 60.30S 24.35W 10 6.9s,6.9b
PTWC VIII 22 00 45 08 60.30S 24.40W 10 7.1,6.9b
IPGP VIII 22 00 45 08.0 60.10S 24.46W 12 6.7W,6.9b
NEIC VIII 22 00 45 08.2 60.14S 24.29W 11 6.7W,6.9b
NEIC VIII 22 00 45 08.2 60.15S 24.31W 11 6.7W,6.9b
GFZ VIII 22 00 45 08.7–.14 60S–3.0 24W–2.0 10 7.0b,6.9
GFZ VIII 22 00 45 09.3 60.24S 24.52W 21 6.8W,6.9
GCMT VIII 22 00 45 13.8–.00 60.33S 23.60W 12 6.7W,6.9
NEIC VIII 22 00 45 19.7 60.25S 23.91W 12 6.6,6.9
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=9.0km az=50.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.7km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-4.81 $M_{\theta\theta}$1.81 $M_{\phi\phi}$3.00 $M_{r\theta}$2.46 $M_{\theta\phi}$3.06 $M_{\phi r}$0.94 NP1:ϕ_s233.54000°,δ58.61000°,λ-73.81000°. NP2:ϕ_s24.41000°,δ34.94000°,λ-114.56000°. Principal axes: T 6.0194,Plg12.0000°,Azm312.0000°; N -0.3982,Plg14.0000°,Azm45.0000°; P -5.6213,Plg71.0000°,Azm182.0000° $M_0$5.83000×10^{18}
MOS Error ellipse: s-maj=18.0km s-min=9.2km az=94.1.
ISC-P Moment Tensor Solution. s28 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.86±.09 $M_{\theta\theta}$0.12±.12; $M_{\phi\phi}$-0.22±.11; $M_{r\theta}$-0.15±.09; $M_{\theta\phi}$-0.26±.11; $M_{\phi r}$0.05±.20; NP1:ϕ_s61.30000°,δ58.70000°,λ251.30000°. NP2:ϕ_s274.40000°,δ36.00000°,λ-62.20000°. $M_0$2.26000×10^{19}
PTWC SOUTH SANDWICH ISLANDS REGION.
IPGP Moment Tensor Solution. NP1:ϕ_s10.00000°,δ44.00000°,λ-121.00000°. NP2:ϕ_s231.00000°,δ53.00000°,λ-63.00000°.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-1.64 $M_{\theta\theta}$0.51 $M_{\phi\phi}$1.13 $M_{r\theta}$0.70 $M_{\theta\phi}$0.74 $M_{\phi r}$1.13 NP1: ϕ_s212.56153°,δ64.59665°,λ-90.90374°. NP2:ϕ_s34.66745°,δ25.41835°,λ-88.09779°. Principal axes: T 2.0914,Plg19.5918°,Azm303.2398°; N 0.0198,Plg0.8164°,Azm212.9493°; P -2.1112,Plg70.3898°,Azm120.6572° $M_0$2.10137×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202108220045A. Moment Tensor Solution. s164,c398; s170,c822;Duration: 5s4 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.20±.00 $M_{\theta\theta}$0.21±.00; $M_{\phi\phi}$0.98±.00; $M_{r\theta}$0.29±.01; $M_{\theta\phi}$0.76±.00; $M_{\phi r}$0.04±.01; Best double couple: NP1: ϕ_s19.00000°,δ42.00000°,λ-109.00000°. NP2:ϕ_s224.00000°,δ50.00000°,λ-74.00000°. Principal axes: T 1.4680,Plg4.0000°,Azm302.0000°; N -0.2020,Plg13.0000°,Azm33.0000°; P -1.2650,Plg77.0000°,Azm194.0000° $M_0$1.36600×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 12s1 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.09 $M_{\theta\theta}$0.28 $M_{\phi\phi}$0.81 $M_{r\theta}$-0.10 $M_{\theta\phi}$0.66 $M_{\phi r}$0.04 NP1:ϕ_s207.85000°,δ44.67000°,λ-99.02000°. NP2:ϕ_s40.43000°,δ46.03000°,λ-81.19000°. Principal axes: T 1.2541,Plg1.0000°,Azm124.0000°; N -0.1545,Plg6.0000°,Azm214.0000°; P -1.0997,Plg84.0000°,Azm28.0000° $M_0$1.18000×10^{19}
ISC VIII 22 14 50 00.1–.77 56.7S–.10 24.4W–.10 10 4.2b,3.1s 27 7-152
NEIC VIII 22 14 49 59.5–1.1 56.7S–.20 24.3W–.20 10–2 4.3b,3.1s ¶621043097
IDC VIII 22 14 49 59.0–.81 56.69S 24.55W 0 4.2b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.6km s-min=8.6km az=30.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.0km s-min=18.4km az=67.0.
IDC VIII 22 12 15 58.2–1.4 58.13S 25.20W 0 4.0L,3.8b
¶621043084
IDC Error ellipse: s-maj=47.5km s-min=32.6km az=42.0.
ISC VIII 22 13 40 14.9–1.3 57.1S–.20 24.6W–.50 35 6 17-152
IDC VIII 22 13 40 06.8–1.2 56.88S 25.80W 0 4.0L,3.9b ¶621043094
ISC Event type se.
IDC Error ellipse: s-maj=77.6km s-min=25.6km az=95.0.
ISC VIII 22 11 20 26.0–.38 57.45S–.07 25.08W–.07 15 4.6b,3.8s 81 7-153
IDC VIII 22 11 20 24.0–.46 57.38S 25.03W 0 4.5b,4.5 ¶621043078
NEIC VIII 22 11 20 28.8–.86 57.45S–.02 25.1W–.20 35–2 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 14 50 13.2–.54 56.78S–.10 24.59W–.08 10 4.5b 29 7-152
IDC VIII 22 14 50 12.2–.87 56.76S 24.54W 0 4.4b,4.4 ¶621043100
NEIC VIII 22 14 50 13.3–1.2 56.83S–.07 24.6W–.20 10–1 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 15 03 56.7–.69 60.18S–.10 24.20W–.10 10 4.2b 25 9-149
IDC VIII 22 15 03 55.7–1.1 60.06S 24.17W 0 4.0,3.9b ¶621043102
NEIC VIII 22 15 03 57.1–.85 60.2S–.20 24.4W–.10 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 15 08 28.6–.61 57.36S–.09 24.92W–.09 15 4.2b 33 7-152
IDC VIII 22 15 08 26.5–.76 57.34S 25.07W 0 4.2b,4.1 ¶621043103
NEIC VIII 22 15 08 28.0–.80 57.4S–.10 24.9W–.20 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 15 21 59.5–.57 58.21S–.04 25.10W–.04 29–3 5.4b,5.4s 544 7-175
IDC VIII 22 15 21 55.3–.37 58.17S 25.03W 0 5.4L,5.3b ¶622451668
BJI VIII 22 15 21 55.1 58.36S 25.32W 15 5.6s,5.4b
NEIC VIII 22 15 21 58.8 58.28S 25.06W 21 5.6s,5.4b
MOS VIII 22 15 21 58.2–.98 58.23S 25.21W 27 5.5b,5.3s
NEIC VIII 22 15 21 58.8–1.1 58.28S–.09 25.1W–.20 21–1 5.5,5.5b
NEIC VIII 22 15 21 58.1 58.27S 25.03W 16 5.5,5.5b

NEIC VIII 22 15 21 59.1 58.18S 24.49W 20 5.7,5.5b
PTWC VIII 22 15 22 01 58.20S 24.90W 41 6.1,5.5b
GFZ VIII 22 15 22 01.5 58.19S 25.06W 27 5.6W,5.5b
GFZ VIII 22 15 22 01.5–.16 58S–3.0 25W–3.0 39 5.3,5.3b
IPGP VIII 22 15 22 02.0 58.29S 25.09W 26 5.7W,5.3b
GCMT VIII 22 15 22 03.1–.10 58.32S–.01 24.63W–.01 35–0 5.7W,5.3b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.40 $M_{r\theta}$-1.59 $M_{\theta\phi}$1.47 $M_{\phi r}$0.49 NP1:ϕ_s286.60000°,δ72.89000°,λ62.06000°. NP2:ϕ_s167.59000°,δ32.40000° ,λ146.71000°. Principal axes: T 2.0707,Plg54.0000°,Azm163.0000°; N 0.5666,Plg27.0000° ,Azm295.0000°; P -2.6372,Plg23.0000°,Azm38.0000° $M_0$2.40000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.36 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$-0.75 $M_{r\theta}$-2.83 $M_{\theta\phi}$2.62 $M_{\phi r}$0.73 NP1:ϕ_s176.12000°,δ36.81000° ,λ159.12000°. NP2:ϕ_s283.10000°,δ77.67000°,λ55.04000°. Principal axes: T 3.6254,Plg46.0000°,Azm158.0000°; N 0.8214,Plg34.0000°,Azm292.0000° ; P -4.4468,Plg25.0000°,Azm40.0000° $M_0$4.10000×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.57 $M_{\theta\theta}$0.21 $M_{\phi\phi}$-1.78 $M_{r\theta}$-1.86 $M_{\theta\phi}$2.10 $M_{\phi r}$-0.03 NP1: ϕ_s182.99280°,δ48.39201°,λ151.45137°. NP2:ϕ_s292.85603°,δ69.06358°,λ45.31394°. Principal axes: T 3.2193,Plg46.2374°,Azm156.8911°; N 0.1018,Plg41.0558°,Azm312.3213° ; P -3.3211,Plg12.5252°,Azm53.4783° $M_0$3.27142×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IPGP Moment Tensor Solution. NP1:ϕ_s183.00000°,δ28.00000°,λ143.00000°. NP2:ϕ_s307.00000° ,δ74.00000°,λ67.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108221522A. Moment Tensor Solution. s139,c256; s153,c318;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.94±.04 $M_{\theta\theta}$0.20±.04; $M_{\phi\phi}$-2.14±.04; $M_{r\theta}$-3.16±.08; $M_{\theta\phi}$2.57±.03; $M_{\phi r}$1.23±.06; Best double couple: NP1: ϕ_s183.00000°,δ35.00000°,λ153.00000°. NP2:ϕ_s296.00000°,δ75.00000°,λ58.00000°. Principal axes: T 4.4080,Plg50.0000°,Azm170.0000°; N 0.5700,Plg31.0000°,Azm305.0000° ; P -4.9830,Plg23.0000°,Azm50.0000° $M_0$4.69600×10^{17}

ISC	VIII	**22 11 57 40.9–.79**	**57.5S–.10**	**25.3W–.20**	**43**	**3.9b**	**10**	**17-152**	
IDC	VIII	22 11 57 34.8–.87	57.42S	25.32W	0	4.0b,3.9			**¶621043083**
ISC	Event type se.								
IDC	Error ellipse: s-maj=31.7km s-min=24.1km az=59.0.								
ISC	VIII	**22 12 36 38.8–1.0**	**57.07S–.06**	**25.31W–.07**	**33–4**	**4.9b,4.1s**	**218**	**7-176**	
IDC	VIII	22 12 36 33.7–.44	57.07S	25.43W	0	4.6L,4.6b			**¶621237554**
NEIC	VIII	22 12 36 38.8–1.4	57.1S–.10	25.2W–.20	35–2	4.9b,4.6b			
GFZ	VIII	22 12 36 40.2–.26	57S–4.0	26W–5.0	34	5.0b,5.0			
GCMT	VIII	22 12 36 42.7–.30	57.19S–.03	24.99W–.05	25–1	4.9W,5.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108221236A. Moment Tensor Solution. s35,c38; s55,c74; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.19±.17 $M_{\theta\theta}$-1.86±.13; $M_{\phi\phi}$-0.33±.10; $M_{r\theta}$-1.09±.26; $M_{\theta\phi}$1.17±.07; $M_{\phi r}$1.76±.25; Best double couple: NP1:ϕ_s99.00000°,δ29.00000° ,λ55.00000°. NP2:ϕ_s318.00000°,δ66.00000°,λ108.00000°. Principal axes: T 3.1360,Plg64.0000°,Azm257.0000°; N -0.0030,Plg16.0000°,Azm130.0000° ; P -3.1370,Plg20.0000°,Azm35.0000° $M_0$3.13700×10^{16}								
ISC	VIII	**22 13 55 37.8–2.0**	**58.14S–.07**	**25.65W–.09**	**44–17**	**4.8b,3.5s**	**125**	**7-175**	
IDC	VIII	22 13 55 31.8–.42	57.92S	25.41W	0	4.6L,4.5b			**¶621043095**
NEIC	VIII	22 13 55 37.3–1.3	58.37S–.10	25.5W–.20	51–6	4.9b,4.5b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**22 15 38 54.7–.72**	**58.30S–.10**	**24.0W–.10**	**10**	**4.1b**	**18**	**8-153**	
IDC	VIII	22 15 38 52.4–1.1	58.07S	25.35W	0	4.2L,4.1			**¶621043105**
NEIC	VIII	22 15 38 55.6–.84	58.4S–.10	24.1W–.30	10–1	4.3b,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	VIII	**22 14 32 16.5–2.1**	**60.32S**	**28.79W**	**0**	**4.3b,4.3**			**¶621043096**
IDC	Error ellipse: s-maj=118.7km s-min=76.9km az=134.0.								
IDC	VIII	**22 12 46 11.5–1.2**	**56.98S**	**25.33W**	**0**	**4.0b,3.9**			**¶621043087**
IDC	Error ellipse: s-maj=48.5km s-min=26.9km az=75.0.								
ISC	VIII	**22 12 46 58.6–.54**	**57.01S–.08**	**25.35W–.08**	**35**	**4.3b,3.6s**	**44**	**7-152**	
IDC	VIII	22 12 46 54.2–.84	56.97S	25.23W	0	4.1L,4.1b			**¶621043090**
NEIC	VIII	22 12 46 57.3–.75	57.0S–.10	25.3W–.20	25–5	4.4b,4.1b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**22 16 09 54.5–.66**	**60.2S–.10**	**23.9W–.10**	**10**	**4.0b**	**19**	**9-154**	
IDC	VIII	22 16 09 53.7–1.2	60.06S	23.89W	0	4.2L,4.1			**¶621043108**
NEIC	VIII	22 16 09 54.4–1.2	60.1S–.10	23.8W–.20	10–2	4.4b,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**22 21 15 32.5–.62**	**57.42S–.09**	**25.0W–.10**	**15**	**4.4b**	**40**	**7-150**	
IDC	VIII	22 21 15 30.4–.71	57.39S	24.85W	0	4.1b,4.1			**¶621043126**
NEIC	VIII	22 21 15 32.1–1.2	57.4S–.10	25.0W–.30	10–1	4.4b,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**22 13 14 00.4–.41**	**57.40S–.07**	**24.80W–.08**	**15**	**4.8b,3.6s**	**90**	**7-152**	
IDC	VIII	22 13 13 58.3–.52	57.32S	24.80W	0	4.5b,4.5			**¶621043091**
NEIC	VIII	22 13 13 59.8–.98	57.44S–.06	24.8W–.20	10–1	4.9b,4.5			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**22 23 04 20.0–.55**	**60.60S–.09**	**25.15W–.08**	**11**	**4.4b**	**33**	**9-154**	
IDC	VIII	22 23 04 18.5–.80	60.49S	24.88W	0	4.5L,4.1b			**¶621043139**
NEIC	VIII	22 23 04 20.9–1.2	60.6S–.10	25.3W–.20	10–1	4.5b,4.1b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**22 18 50 31.7–1.0**	**57.3S–.20**	**23.6W–.30**	**10**		**6**	**17-152**	
IDC	VIII	22 18 50 31.1–1.1	57.23S	24.13W	0	3.8b,3.7			**¶621043112**
ISC	Event type se.								
IDC	Error ellipse: s-maj=49.4km s-min=29.3km az=70.0.								
ISC	VIII	**22 18 56 06.2–.95**	**57.9S–.20**	**25.3W–.20**	**49**	**3.9b**	**8**	**17-152**	
IDC	VIII	22 18 55 59.5–.95	57.87S	25.15W	0	4.0b,3.9			**¶621043113**
ISC	Event type se.								
IDC	Error ellipse: s-maj=33.6km s-min=25.6km az=80.0.								
ISC	VIII	**22 19 12 17.7–.82**	**58.3S–.10**	**25.2W–.20**	**35**	**4.1b**	**9**	**16-152**	
IDC	VIII	22 19 12 12.8–.87	58.14S	25.29W	0	4.8L,4.3			**¶621043116**
ISC	Event type se.								
IDC	Error ellipse: s-maj=30.7km s-min=22.0km az=76.0.								
ISC	VIII	**22 19 20 02.5–.42**	**59.67S–.07**	**26.36W–.08**	**61**	**4.8b**	**73**	**8-153**	
IDC	VIII	22 19 19 54.4–.57	59.48S	26.16W	0	4.4b,4.4			**¶621043117**
NEIC	VIII	22 19 20 04.2–1.9	59.7S–.10	26.4W–.20	74–2	5.0b,4.4			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**22 17 49 25.9–.53**	**60.51S–.09**	**24.58W–.08**	**10**	**4.5b,3.6s**	**45**	**10-154**	
NEIC	VIII	22 17 49 25.8–2.7	60.41S–.05	24.6W–.20	10–1	4.6b,3.6s			**¶621043109**
IDC	VIII	22 17 49 25.2–.69	60.50S	24.66W	0	4.7L,4.3			
ISC	Event type se.								

NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.4km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.1km s-min=15.4km az=62.0.

ISC	VIII	**22 21 33 19.8–.13**	**60.29S–.03**	**25.04W–.03**	**6**	**6.8s,6.5b**	**2305**	**9-178**	
NEIC	VIII	22 21 33 19.0–.80	60.29S–.09	24.9W–.20	6–1	6.9,6.7			**¶621237558**
ISC-P	VIII	22 21 33 18	60.28S	24.87W	6–0	7.2,6.7			
IDC	VIII	22 21 33 19.0–.29	60.22S	25.02W	0	6.7L,6.7s			
MOS	VIII	22 21 33 19.3–1.2	60.31S	24.98W	11	6.7s,6.7b			
GFZ	VIII	22 21 33 20.6–.06	60S–2.0	25W–1.0	10	7.2b,7.2			
IPGP	VIII	22 21 33 20.0	60.30S	25.00W	14	7.0W,7.2			
NEIC	VIII	22 21 33 20.3	60.28S	24.89W	14	7.0W,7.2			
NEIC	VIII	22 21 33 20.4	60.33S	25.00W	10	7.0W,7.2			
BJI	VIII	22 21 33 20.4	60.55S	24.90W	10	7.1b,7.0s			
GFZ	VIII	22 21 33 21.0	60.40S	25.03W	20	7.1W,7.0s			
GCMT	VIII	22 21 33 28.4–.00	60.57S	24.18W	12	7.0W,7.0s			
PTWC	VIII	22 21 33 31	60.40S	25.00W	111	7.4,7.0s			
NEIC	VIII	22 21 33 37.6	60.33S	23.79W	14	7.1,7.0s			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=13.7km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-1.45 $M_{\theta\theta}$0.80 $M_{\phi\phi}$0.66 $M_{r\theta}$0.37 $M_{\theta\phi}$0.88 $M_{\phi r}$0.05 NP1:ϕ_s235.90000°,δ51.29000°,λ-78.82000°. NP2:ϕ_s38.36000°,δ40.05000° ,λ-103.60000°. Principal axes: T 1.6355,Plg6.0000°,Azm318.0000°; N -0.1192,Plg9.0000° ,Azm49.0000°; P -1.5163,Plg80.0000°,Azm195.0000° $M_0$1.58000×10^{19}
ISC-P Moment Tensor Solution. s27 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.84±.09 $M_{\theta\theta}$0.46±.15; $M_{\phi\phi}$-0.06±.16; $M_{r\theta}$0.17±.11; $M_{\theta\phi}$0.11±.12; $M_{\phi r}$0.00±.27; NP1:ϕ_s261.50000°,δ53.10000° ,λ260.60000°. NP2:ϕ_s96.90000°,δ37.90000°,λ-77.70000°. $M_0$6.84000×10^{19}
IDC Error ellipse: s-maj=15.7km s-min=10.3km az=51.0.
MOS Error ellipse: s-maj=18.8km s-min=10.2km az=95.1.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s43.00000°,δ39.00000°,λ-68.00000°. NP2:ϕ_s195.00000° ,δ55.00000°,λ-107.00000°.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-4.49 $M_{\theta\theta}$1.32 $M_{\phi\phi}$3.17 $M_{r\theta}$0.52 $M_{\theta\phi}$1.74 $M_{\phi r}$2.61 NP1: ϕ_s201.41503°,δ60.62083°,λ-99.00409°. NP2:ϕ_s39.31528°,δ30.60988°,λ-74.46472°. Principal axes: T 4.8996,Plg15.1696°,Azm297.9991°; N 0.3977,Plg7.8383°,Azm205.8601° ; P -5.2973,Plg72.8375°,Azm89.3887° $M_0$5.11010×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202108222133A. Moment Tensor Solution. s161,c399; s168,c867;Duration: 7s5 Moment tensor: Scale 10^{19}Nm; M_{rr}-3.35±.01 $M_{\theta\theta}$0.57±.01; $M_{\phi\phi}$2.77±.01; $M_{r\theta}$-0.13±.03; $M_{\theta\phi}$1.91±.01; $M_{\phi r}$0.31±.03; Best double couple: NP1:ϕ_s35.00000°,δ44.00000°,λ-82.00000°. NP2:ϕ_s205.00000°,δ47.00000°,λ-97.00000°. Principal axes: T 3.8810,Plg2.0000°,Azm300.0000°; N -0.5050,Plg5.0000°,Azm210.0000° ; P -3.3810,Plg84.0000°,Azm47.0000° $M_0$3.63100×10^{19}
PTWC SOUTH SANDWICH ISLANDS REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 16s0 Moment tensor: Scale 10^{19}Nm; M_{rr}-3.48 $M_{\theta\theta}$0.87 $M_{\phi\phi}$2.61 $M_{r\theta}$2.10 $M_{\theta\phi}$1.16 $M_{\phi r}$5.02 NP1:ϕ_s29.06000°,δ15.82000° ,λ-84.45000°. NP2:ϕ_s203.30000°,δ74.25000°,λ-91.57000°. Principal axes: T 6.2355,Plg29.0000°,Azm295.0000°; N 0.2968,Plg2.0000°,Azm204.0000° ; P -6.5323,Plg61.0000°,Azm111.0000° $M_0$6.39000×10^{19}

ISC	VIII	**22 21 21 14.6–.47**	**58.32S–.07**	**24.90W–.08**	**28**	**4.4b**	**49**	**8-153**	
IDC	VIII	22 21 21 10.1–.63	58.20S	24.86W	0	4.4L,4.3			**¶621043127**
NEIC	VIII	22 21 21 12.3–1.9	58.32S–.08	24.8W–.10	10–1	4.5b,4.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**23 00 56 33.5–.27**	**58.34S–.06**	**23.65W–.06**	**10**	**5.0b,4.5s**	**246**	**8-175**	
IDC	VIII	23 00 56 31.4–.41	58.24S	23.62W	0	5.0L,4.8b			**¶621237560**
NEIC	VIII	23 00 56 32.0–1.4	58.30S–.10	23.6W–.20	10–1	5.1b,4.8b			
GFZ	VIII	23 00 56 33.7–.23	58S–4.0	24W–4.0	10	5.0b,5.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
ISC	VIII	**23 01 08 44.2–.80**	**60.1S–.10**	**24.6W–.10**	**10**	**4.2b**	**23**	**10-154**	
IDC	VIII	23 01 08 43.4–1.3	59.99S	24.75W	0	4.9L,4.3			**¶621049180**
NEIC	VIII	23 01 08 44.8–2.4	60.1S–.20	24.7W–.20	10–1	4.3b,4.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**22 23 13 12.4–.89**	**58.1S–.20**	**24.8W–.20**	**40**	**3.9b**	**9**	**16-152**	
IDC	VIII	22 23 13 06.9–.92	57.96S	24.88W	0	3.8L,3.8b			**¶621043141**
ISC	Event type se.								
IDC	Error ellipse: s-maj=35.5km s-min=21.8km az=68.0.								
ISC	VIII	**23 01 41 07.1–.49**	**60.43S–.08**	**24.92W–.08**	**11**	**4.5b**	**59**	**10-154**	
IDC	VIII	23 01 41 05.8–.67	60.43S	25.19W	0	5.0L,4.7s			**¶621049182**
NEIC	VIII	23 01 41 07.4–1.5	60.4S–.10	25.0W–.20	10–1	4.5b,4.7s			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**22 23 28 55.6–.46**	**58.32S–.08**	**25.08W–.08**	**28**	**4.6b**	**38**	**8-152**	
IDC	VIII	22 23 28 52.3–.93	58.30S	25.20W	0	3.9b,3.8			**¶621043142**
NEIC	VIII	22 23 28 56.8–1.4	58.30S–.04	25.1W–.20	35–1	4.6b,3.8			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**22 23 38 40.1–.58**	**60.36S–.09**	**25.01W–.09**	**11**	**4.5b**	**32**	**9-154**	
IDC	VIII	22 23 38 38.8–.75	60.34S	25.28W	0	4.3b,4.3			**¶621043143**
NEIC	VIII	22 23 38 40.1–2.0	60.27S–.08	24.9W–.20	10–1	4.5b,4.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**23 01 41 48.4–.46**	**60.46S–.08**	**25.19W–.08**	**10**	**4.7b**	**66**	**10-155**	
IDC	VIII	23 01 41 46.8–.62	60.55S	25.63W	0	4.6L,4.4b			**¶621049185**
NEIC	VIII	23 01 41 49.4–2.0	60.5S–.10	25.4W–.20	10–1	4.7b,4.4b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**23 03 09 38.9–.64**	**60.7S–.10**	**25.2W–.10**	**11**	**4.4b**	**26**	**14-154**	
IDC	VIII	23 03 09 37.8–.91	60.56S	25.18W	0	4.5L,4.2b			**¶621049188**
NEIC	VIII	23 03 09 39.5–1.9	60.8S–.10	25.1W–.10	10–1	4.5b,4.2b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**22 23 43 41.1–.63**	**59.88S–.10**	**23.58W–.08**	**10**	**4.5b**	**28**	**9-154**	
NEIC	VIII	22 23 43 41.0–1.8	59.91S–.08	23.6W–.20	10–1	4.3b			**¶621043144**
IDC	VIII	22 23 43 41.2–1.7	60.07S	24.60W	0	4.4L,4.1			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=19.8km s-min=7.2km az=231.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=82.3km s-min=22.8km az=55.0.								
ISC	VIII	**22 21 54 31.6–.53**	**60.40S–.08**	**25.06W–.09**	**10**	**4.3b**	**36**	**14-154**	
IDC	VIII	22 21 54 30.8–.66	60.43S	25.28W	0	4.5L,4.3b			**¶621043128**
NEIC	VIII	22 21 54 31.8–1.6	60.31S–.10	25.1W–.20	10–1	4.4b,4.3b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	VIII	**23 02 38 05.8–.45**	**58.28S–.08**	**23.35W–.08**	**10**	**4.6b,3.8s**	**56**	**8-153**	
IDC	VIII	23 02 38 04.4–.61	58.16S	23.43W	0	4.3L,4.3			**¶621049187**
NEIC	VIII	23 02 38 06.2–1.6	58.3S–.10	23.3W–.20	10–1	4.7b,4.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								

ISC VIII 23 03 11 18.1–.57 60.8S–.10 24.32W–.09 10 4.1b 34 10-154
IDC VIII 23 03 11 16.9–.77 60.62S 24.45W 0 4.3L,4.1 ¶621049189
NEIC VIII 23 03 11 18.0–1.5 60.8S–.10 24.3W–.20 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 04 19 27.6–.49 60.50S–.08 24.92W–.08 11 4.5b 48 10-154
IDC VIII 23 04 19 26.3–.71 60.48S 25.08W 0 4.9L,4.2b ¶621049190
NEIC VIII 23 04 19 27.9–1.9 60.5S–.10 24.9W–.20 10–1 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 22 18 17.2–.55 60.93S–.08 26.0W–.10 10 4.5b 26 14-154
IDC VIII 22 22 18 14.0–1.1 60.74S 27.94W 0 4.2L,4.2b ¶621043132
NEIC VIII 22 22 18 17.6–.66 61.0S–.10 25.9W–.20 10–1 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 23 47 54.3–.60 60.16S–.08 24.92W–.10 10 4.2b 29 9-154
IDC VIII 22 23 47 53.2–.89 60.06S 24.86W 0 4.5L,4.1 ¶621043145
NEIC VIII 22 23 47 54.4–2.0 60.16S–.09 25.0W–.20 10–1 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 23 57 14.9–.99 60.6S–.20 25.1W–.30 10 3.9b 6 14-154
IDC VIII 22 23 57 14.3–.98 60.53S 25.36W 0 4.6L,4.0 ¶621043147
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=17.6km az=63.0.
ISC VIII 23 04 26 22.8–.56 60.22S–.09 24.8W–.10 10 4.7b,3.5s 58 10-154
IDC VIII 23 04 26 22.2–.83 60.20S 25.06W 0 5.0L,4.4 ¶621049191
NEIC VIII 23 04 26 24.0–1.4 60.1S–.10 25.0W–.20 10–1 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 22 30 56.0–.61 60.32S–.10 24.8W–.10 11 5.0b 39 9-154
NEIC VIII 22 22 30 55.9–1.3 60.34S–.08 24.8W–.10 10–1 5.0b ¶621043133
IDC VIII 22 22 30 55.8–1.4 60.26S 25.35W 0 4.3L,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=4.8km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.7km s-min=18.0km az=52.0.
ISC VIII 23 04 31 02.3–.54 60.54S–.08 24.86W–.08 10 4.6b 42 10-154
IDC VIII 23 04 31 00.8–.76 60.48S 24.99W 0 4.4L,4.4 ¶621049192
NEIC VIII 23 04 31 02.8–2.0 60.5S–.10 24.9W–.10 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 03 05 37.9–.27 60.46S–.06 24.93W–.06 10 5.0b,4.2s 229 9-161
IDC VIII 23 03 05 36.6–.44 60.42S 25.10W 0 4.9L,4.8b ¶620999721
NEIC VIII 23 03 05 37.7–2.5 60.47S–.06 24.9W–.10 10–1 5.1b,4.8b
GFZ VIII 23 03 05 38.2–.19 61S–4.0 25W–4.0 10 5.0b,5.0
GCMT VIII 23 03 05 41.2–.40 60.64S–.06 24.28W–.09 24–1 5.4W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108230305A. Moment Tensor Solution. s10,c11; s78,c94; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.66±.15 $M_{\theta\theta}$0.71±.09; $M_{\phi\phi}$0.94±.09; $M_{r\theta}$0.25±.14; $M_{\theta\phi}$0.35±.03; $M_{\phi r}$-0.01±.13; Best double couple: NP1:ϕ_s31.00000°,δ42.00000°,λ-98.00000°. NP2:ϕ_s222.00000°,δ48.00000°,λ-83.00000°. Principal axes: T 1.2080,Plg3.0000°,Azm306.0000°; N 0.4780,Plg5.0000°,Azm37.0000°; P -1.6860,Plg84.0000°,Azm189.0000° $M_0$1.44700×10^{17}
ISC VIII 23 05 10 13.8–1.0 58.6S–.20 25.4W–.20 38 3.9b 7 16-152
IDC VIII 23 05 10 08.9–1.0 58.46S 25.53W 0 4.2L,4.0b ¶621049194
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=24.6km az=66.0.
ISC VIII 22 22 45 51.3–.51 58.31S–.09 25.72W–.10 38 4.6b 41 7-154
IDC VIII 22 22 45 45.8–.89 58.19S 25.94W 0 4.0b,4.0 ¶621043135
NEIC VIII 22 22 45 47.9–1.6 58.3S–.10 25.7W–.20 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 00 14 09.5–.65 58.20S–.09 25.3W–.10 35 4.5b 30 7-152
IDC VIII 23 00 14 04.2–1.1 58.17S 25.07W 0 3.9L,3.9b ¶621049177
NEIC VIII 23 00 14 10.0–1.0 58.1S–.10 25.3W–.20 35–2 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 05 22 28.8–.54 60.51S–.08 24.97W–.08 11 4.4b,3.5s 58 9-154
IDC VIII 23 05 22 27.4–.73 60.52S 25.05W 0 4.7L,4.3 ¶621049196
NEIC VIII 23 05 22 29.3–2.0 60.46S–.09 25.0W–.20 10–1 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 23 05 39 45.0–1.3 60.49S 25.00W 0 4.4L,4.0 ¶621049200
IDC Error ellipse: s-maj=59.1km s-min=25.5km az=59.0.
ISC VIII 23 05 50 12.7–.90 60.5S–.20 26.9W–.30 10 4.0b 7 15-153
IDC VIII 23 05 50 11.7–.93 60.42S 27.06W 0 4.3L,4.0 ¶621049201
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=18.3km az=61.0.
ISC VIII 22 22 52 39.4–.67 60.4S–.10 24.8W–.10 11 4.5b 41 14-154
IDC VIII 22 22 52 38.2–.87 60.23S 24.89W 0 4.5L,4.2 ¶621043137
NEIC VIII 22 22 52 39.8–1.1 60.4S–.10 24.9W–.20 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 23 00 23.8–.48 60.28S–.08 24.88W–.09 11 4.7b 51 9-154
IDC VIII 22 23 00 22.8–.71 60.17S 24.96W 0 4.2b,4.2 ¶621043138
NEIC VIII 22 23 00 23.7–1.7 60.3S–.10 24.9W–.20 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 23 05 30 29.2–1.3 58.02S 23.94W 0 4.1L,4.0 ¶621049197
IDC Error ellipse: s-maj=38.4km s-min=31.1km az=106.0.
ISC VIII 23 00 46 55.5–.56 58.99S–.09 23.29W–.09 10 4.4b 30 9-154
IDC VIII 23 00 46 54.3–.92 58.92S 23.42W 0 4.4L,4.2 ¶621049178
NEIC VIII 23 00 46 55.9–1.3 58.98S–.06 23.3W–.20 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 00 49 24.5–.45 58.24S–.08 23.38W–.07 10 4.3b 41 8-153
IDC VIII 23 00 49 23.5–.63 58.24S 23.30W 0 4.5L,4.2 ¶621049179
NEIC VIII 23 00 49 24.7–1.0 58.27S–.07 23.4W–.20 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 05 34 51.6–.56 60.48S–.08 25.35W–.09 10 4.5b 66 9-154
NEIC VIII 23 05 34 50.8–1.4 60.46S–.10 25.1W–.20 10–1 4.5b ¶621049199
IDC VIII 23 05 34 51.6–.72 60.41S 25.48W 0 4.3L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=13.7km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.2km s-min=15.4km az=62.0.
ISC VIII 23 08 45 31.1–.81 57.3S–.10 25.9W–.10 35 4.2b 28 7-151
IDC VIII 23 08 45 26.2–1.2 57.21S 26.36W 0 4.0b,3.9 ¶621049218
NEIC VIII 23 08 45 31.3–.65 57.28S–.04 25.9W–.20 35–2 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 06 02 57.6–.25 60.46S–.05 24.81W–.06 10 5.2b,4.2s 389 9-173
MOS VIII 23 06 02 56.9–1.1 60.41S 25.11W 10 5.4b,4.2s ¶621237562
IDC VIII 23 06 02 56.4–.40 60.44S 24.84W 0 4.9L,4.9b
NEIC VIII 23 06 02 57.9–.79 60.42S–.09 24.9W–.20 10–1 5.2b,4.9b
GFZ VIII 23 06 02 58.0–.20 60S–5.0 25W–3.0 10 5.3b,5.3
GCMT VIII 23 06 03 03.4–.30 60.66S–.03 24.41W–.04 20–1 5.1W,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108230602A. Moment Tensor Solution. s33,c40; s87,c126; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.53±.34 $M_{\theta\theta}$0.82±.22; $M_{\phi\phi}$3.71±.21; $M_{r\theta}$-0.95±.42; $M_{\theta\phi}$2.76±.12; $M_{\phi r}$0.92±.38; Best double couple: NP1:ϕ_s48.00000°,δ46.00000°,λ-65.00000°. NP2:ϕ_s195.00000°,δ49.00000°,λ-113.00000°. Principal axes: T 5.3890,Plg2.0000°,Azm301.0000°; N -0.4450,Plg17.0000°,Azm210.0000°; P -4.9460,Plg72.0000°,Azm36.0000° $M_0$5.16700×10^{16}
IDC VIII 23 08 51 56.2–1.3 57.35S 26.54W 0 4.1b,4.1 ¶621049219
IDC Error ellipse: s-maj=45.9km s-min=32.5km az=92.0.
IDC VIII 23 10 55 53.6–1.9 59.95S 26.11W 0 4.1b,4.0L ¶621049225
IDC Error ellipse: s-maj=60.2km s-min=30.8km az=75.0.
IDC VIII 23 06 46 32.8–1.3 59.73S 24.45W 0 4.1b,4.1 ¶621049203
IDC Error ellipse: s-maj=34.1km s-min=28.9km az=61.0.
ISC VIII 23 07 15 59.6–.47 58.21S–.08 23.25W–.08 10 4.3b,3.1s 63 8-153
IDC VIII 23 07 15 58.8–.66 58.07S 23.21W 0 5.1L,4.1b ¶621049205
NEIC VIII 23 07 15 59.9–1.3 58.26S–.07 23.3W–.20 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 23 11 24 53.4–1.4 60.66S 25.44W 0 4.1b,4.1 ¶621049227
IDC Error ellipse: s-maj=65.7km s-min=25.8km az=83.0.
ISC VIII 23 06 58 00.6–1.2 59.0S–.20 25.3W–.40 10 6 16-153
IDC VIII 23 06 57 57.2–1.2 58.80S 27.08W 0 4.3L,4.1 ¶621049204
ISC Event type se.
IDC Error ellipse: s-maj=68.2km s-min=24.1km az=92.0.
ISC VIII 23 11 29 07.5–.76 60.6S–.10 24.8W–.20 11 4.2b,3.3s 11 14-154
IDC VIII 23 11 29 06.0–.76 60.50S 24.95W 0 4.6L,4.3b ¶621049228
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=17.5km az=65.0.
ISC VIII 23 11 45 51.1–.48 60.42S–.08 24.00W–.09 10 4.3b 37 14-154
IDC VIII 23 11 45 50.9–.79 60.46S 24.66W 0 4.6L,4.1b ¶621049231
NEIC VIII 23 11 45 51–1.3 60.4S–.10 23.9W–.10 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 13 29 29.3–.46 59.78S–.07 26.23W–.08 35 4.6b 82 8-153
IDC VIII 23 13 29 23.9–.59 59.67S 26.22W 0 4.4b,4.4 ¶621000834
GFZ VIII 23 13 29 26.3–.31 60S–6.0 26W–7.0 10 5.0b,5.0
NEIC VIII 23 13 29 29.9–.89 59.76S–.10 26.3W–.20 35–2 4.5b,5.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 12 13 06.2–.91 60.6S–.20 24.8W–.20 10 4.0b 9 14-154
IDC VIII 23 12 13 04.9–.95 60.48S 24.96W 0 4.0L,4.0b ¶621049232
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=18.7km az=60.0.
ISC VIII 23 10 25 24.2–.70 60.1S–.10 23.8W–.10 10 4.4b,3.6s 34 9-140
IDC VIII 23 10 25 22.3–.89 59.88S 23.79W 0 4.0L,4.0b ¶621000184
NEIC VIII 23 10 25 26.6–1.2 60.4S–.10 24.5W–.20 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 10 30 32.6–1.1 57.6S–.10 24.3W–.20 10 3.8b 7 17-152
IDC VIII 23 10 30 31.7–1.2 57.51S 24.38W 0 3.8b,3.8 ¶621049224
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=24.6km az=75.0.
ISC VIII 23 13 30 10.4–.74 59.7S–.10 26.0W–.10 10 4.2b 19 9-153
IDC VIII 23 13 30 08.5–1.2 59.80S 26.26W 0 4.1b,4.1 ¶621049242
NEIC VIII 23 13 30 11.4–1.9 59.63S–.07 25.9W–.30 18–7 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 13 42 39.4–.55 60.04S–.10 25.11W–.09 10 4.6b,3.8s 47 8-153
IDC VIII 23 13 42 38.1–.65 60.08S 25.08W 0 4.3b,4.3 ¶621049243
NEIC VIII 23 13 42 39.8–1.1 60.06S–.09 25.1W–.10 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 13 43 54.5–.54 60.52S–.09 24.70W–.08 10 4.5b 37 9-154
IDC VIII 23 13 43 52.9–.75 60.46S 24.75W 0 4.6L,4.4 ¶621049245
NEIC VIII 23 13 43 54.6–.96 60.5S–.10 24.8W–.20 10–1 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 12 35 13.6–1.0 60.8S–.20 25.1W–.20 10 4.1b,3.5s 8 14-154
IDC VIII 23 12 35 12.1–1.1 60.67S 25.29W 0 4.6L,4.1 ¶621049236
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=21.5km az=64.0.
ISC VIII 23 13 45 45.5–.59 60.52S–.10 24.59W–.09 10 4.4b 30 9-154
IDC VIII 23 13 45 44.3–.71 60.47S 24.74W 0 4.4b,4.3 ¶621049246
NEIC VIII 23 13 45 45.8–.93 60.5S–.10 24.6W–.20 10–1 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 12 39 55.1–1.1 60.6S–.20 24.1W–.30 10 3.6b 6 14-149
IDC VIII 23 12 39 53.9–1.1 60.45S 24.55W 0 3.9L,3.9 ¶621049238
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=22.2km az=76.0.
IDC VIII 23 12 50 55.0–1.3 58.98S 25.46W 0 3.9L,3.9b ¶621049239
IDC Error ellipse: s-maj=70.6km s-min=25.2km az=89.0.
ISC VIII 23 14 08 49.1–1.3 60.6S–.20 23.7W–.30 10 3.9b 7 14-154
IDC VIII 23 14 08 46.9–1.4 60.50S 24.42W 0 4.5L,4.0b ¶621049248
ISC Event type se.
IDC Error ellipse: s-maj=54.6km s-min=24.8km az=80.0.
ISC VIII 23 14 28 49.8–.27 60.50S–.06 24.77W–.06 11 5.0b,4.5s 209 9-172
IDC VIII 23 14 28 48.0–.40 60.48S 24.87W 0 4.8b,4.8 ¶621000835
GFZ VIII 23 14 28 49.8–.23 61S–4.0 25W–4.0 10 5.2b,5.1
NEIC VIII 23 14 28 49.6–1.5 60.50S–.08 24.8W–.10 10–1 5.0b,5.1
GCMT VIII 23 14 28 53.1–.20 60.69S–.01 24.10W–.03 12 5.1W,5.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108231428A. Moment Tensor Solution. s40,c49; s132,c215; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.50±.11 $M_{\theta\theta}$4.45±.12; $M_{\phi\phi}$2.05±.12; $M_{r\theta}$1.40±.41; $M_{\theta\phi}$2.64±.09; $M_{\phi r}$-0.96±.38; Best double couple: NP1:ϕ_s45.00000°,δ43.00000°,λ-108.00000°. NP2:ϕ_s249.00000°,δ49.00000°,λ-74.00000°. Principal axes: T 6.1850,Plg3.0000°,Azm328.0000°; N 0.6890,Plg12.0000°,Azm59.0000°

; P -6.8740,Plg77.0000°,Azm224.0000° $M_0$6.52900×10^{16}
ISC VIII 23 08 28 19.0–.76 58.82S–.08 24.9W–.10 18 4.5b,3.8s 40 8-153
NEIC VIII 23 08 28 17.8–1.0 58.9S–.10 24.8W–.20 10–2 4.5b,3.8s ¶621049216
IDC VIII 23 08 28 17.1–.97 58.72S 24.95W 0 4.2b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=15.5km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.7km s-min=17.9km az=70.0.
ISC VIII 23 15 36 03.0–.75 59.2S–.10 25.7W–.20 50 4.0b,3.5s 14 16-153
IDC VIII 23 15 36 04.4–6.7 59.17S 25.67W 64–59 4.1,4.0L ¶621049253
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=21.1km az=59.0.
ISC VIII 23 14 36 48.7–.54 60.54S–.09 24.86W–.09 11 4.5b 43 9-154
IDC VIII 23 14 36 47.2–.70 60.43S 24.95W 0 4.3b,4.3 ¶621049249
NEIC VIII 23 14 36 48.8–1.8 60.6S–.10 24.9W–.20 10–1 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 16 02 50.5–.96 60.5S–.20 26.6W–.30 10 4.1b 7 15-153
IDC VIII 23 16 02 48.9–.96 60.53S 26.51W 0 4.2L,4.2b ¶621049256
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=19.3km az=67.0.
ISC VIII 23 14 40 43.6–.77 60.7S–.10 24.5W–.10 10 4.1b 22 9-154
IDC VIII 23 14 40 41.0–1.2 60.41S 24.88W 0 4.1,4.0b ¶621049250
NEIC VIII 23 14 40 45.0–1.3 60.81S–.07 24.7W–.30 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 15 05 34.8–.73 57.64S–.10 24.8W–.10 15 4.3b 35 7-154
NEIC VIII 23 15 05 33.1–1.1 57.54S–.09 24.5W–.30 10–1 4.4b ¶621049251
IDC VIII 23 15 05 39.9–6.7 57.72S 25.25W 49–63 4.2,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=7.8km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.4km s-min=24.2km az=74.0.
IDC VIII 23 18 13 50.0–1.3 58.41S 23.60W 0 4.0b,3.9
¶621049259
IDC Error ellipse: s-maj=82.5km s-min=28.5km az=89.0.
ISC VIII 23 22 37 54.5–1.1 60.6S–.20 25.7W–.20 19 3.9b 7 34-154
IDC VIII 23 22 37 51.6–1.2 60.55S 25.63W 0 4.1b,4.1 ¶621049268
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=31.8km az=114.0.
IDC VIII 24 02 57 54.2–1.3 57.74S 26.30W 0 4.0L,3.6
¶621049280
IDC Error ellipse: s-maj=80.0km s-min=28.4km az=89.0.
ISC VIII 23 21 25 42.4–.90 59.6S–.10 26.2W–.20 10 4.0b,3.5s 10 15-153
IDC VIII 23 21 25 40.5–.86 59.51S 26.35W 0 4.1L,4.1b ¶621049266
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=18.4km az=69.0.
ISC VIII 24 03 10 00.9–.69 60.4S–.10 25.4W–.10 19 4.2b 18 9-154
NEIC VIII 24 03 10 00.7–1.5 60.3S–.10 25.5W–.20 10–1 4.4b ¶621049281
IDC VIII 24 03 10 12.8–7.9 60.38S 25.58W 123–73 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=12.1km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.8km s-min=29.9km az=63.0.
ISC VIII 24 03 18 37.6–.65 57.9S–.10 25.5W–.10 49 4.5b 21 17-152
IDC VIII 24 03 18 30.4–1.2 57.79S 25.90W 0 3.9b,3.9 ¶621049282
NEIC VIII 24 03 18 37.9–1.0 58.0S–.10 25.5W–.20 48–6 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 03 18 50.9–.69 58.0S–.10 25.8W–.10 49 4.5b 28 7-152
IDC VIII 24 03 18 44.8–1.2 57.98S 25.53W 0 3.8b,3.8 ¶621049285
NEIC VIII 24 03 18 46.1–1.4 58.0S–.10 25.5W–.10 10–1 4.6b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 03 24 01.0–.59 59.0S–.10 23.6W–.10 10 4.2b 24 15-154
IDC VIII 24 03 23 58.7–1.5 58.89S 23.76W 0 4.5L,4.0 ¶621049286
NEIC VIII 24 03 24 01.8–1.4 59.0S–.10 23.6W–.20 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 24 00 46 49.6–1.2 58.24S 26.33W 0 4.0b,3.9
¶621049271
IDC Error ellipse: s-maj=70.2km s-min=29.3km az=90.0.
ISC VIII 24 03 32 22.2–.63 60.3S–.10 24.2W–.10 10 4.3b,3.5s 39 14-154
IDC VIII 24 03 32 21.6–.77 60.30S 24.56W 0 5.0L,4.2 ¶621049287
NEIC VIII 24 03 32 22.2–.84 60.23S–.08 24.2W–.30 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 24 00 59 35.5–1.3 57.88S 25.87W 0 3.8L,3.7
¶621049273
IDC Error ellipse: s-maj=80.4km s-min=27.1km az=92.0.
ISC VIII 24 07 19 09.6–.42 59.03S–.06 25.65W–.06 48–3 5.0b,4.6s 283 8-158
IDC VIII 24 07 19 03.1–.39 58.95S 25.71W 0 4.7b,4.7 ¶621001091
MOS VIII 24 07 19 08.2–1.1 59.04S 25.77W 41 5.1b,4.7
GFZ VIII 24 07 19 09.7–.21 59S–4.0 25W–4.0 56 5.1,5.0b
NEIC VIII 24 07 19 11.1–1.3 59.02S–.07 25.6W–.10 57–4 5.2b,5.0b
GCMT VIII 24 07 19 13.0–.20 59.15S–.02 24.88W–.03 49–1 5.2W,5.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108240719A. Moment Tensor Solution. s50,c63; s89,c125; Duration: 0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.61±.04 $M_{\theta\theta}$0.10±.03; $M_{\phi\phi}$-0.70±.02; $M_{r\theta}$0.15±.02; $M_{\theta\phi}$-0.30±.01; $M_{\phi r}$0.09±.02; Best double couple: NP1:ϕ_s184.00000°,δ42.00000°,λ68.00000°. NP2:ϕ_s32.00000°,δ52.00000°,λ108.00000°. Principal axes:
T 0.6500,Plg75.0000°,Azm359.0000°; N 0.1690,Plg14.0000°,Azm200.0000°
; P -0.8190,Plg5.0000°,Azm109.0000° $M_0$0.73500×10^{17}
ISC VIII 24 01 16 08.0–.58 59.94S–.10 28.8W–.10 10 4.3b 27 16-152
NEIC VIII 24 01 16 09.0–1.8 60.1S–.10 29.1W–.20 10–1 4.5b ¶621049274
IDC VIII 24 01 16 13.6–6.5 59.87S 28.30W 55–59 4.1,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=10.3km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.9km s-min=19.7km az=68.0.
ISC VIII 24 05 54 33.8–.66 57.75S–.09 25.9W–.10 50 4.3b 28 7-152
IDC VIII 24 05 54 27.5–1.3 57.50S 25.22W 0 4.4L,4.3b ¶621049294
NEIC VIII 24 05 54 34.1–1.0 57.7S–.10 25.8W–.20 52–8 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 11 20 22.4–.48 58.18S–.08 23.09W–.08 10 4.2b,3.6s 50 8-153
IDC VIII 24 11 20 21.2–.57 58.07S 23.09W 0 5.4L,4.2b ¶621049320
NEIC VIII 24 11 20 22.7–.99 58.2S–.10 23.1W–.20 10–1 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 24 06 25 22.6–1.5 60.47S 26.97W 0 3.7b,3.7
¶621049296
IDC Error ellipse: s-maj=74.4km s-min=27.4km az=70.0.
ISC VIII 24 05 15 31.3–.78 60.5S–.10 24.7W–.20 10 4.0b 9 14-154
IDC VIII 24 05 15 30.2–.83 60.41S 24.80W 0 5.0L,4.2 ¶621049293
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=18.5km az=61.0.
ISC VIII 24 12 00 00.2–.51 58.66S–.08 25.45W–.09 38 4.4b 52 8-153
IDC VIII 24 11 59 55.2–.82 58.61S 25.35W 0 4.1b,4.1 ¶621049323
NEIC VIII 24 12 00 00.4–1.0 58.64S–.09 25.5W–.10 35–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 08 15 09.3–1.4 55.2S–.20 27.3W–.40 10 4.0b 6 20-150
IDC VIII 24 08 15 07.8–1.3 55.19S 27.33W 0 3.9b,3.9 ¶621049303
ISC Event type se.
IDC Error ellipse: s-maj=61.0km s-min=25.0km az=88.0.
ISC VIII 24 12 00 28.3–.47 58.59S–.08 25.40W–.08 38 4.4b 55 8-152
IDC VIII 24 12 00 24.4–.86 58.59S 25.20W 0 4.4b,4.4 ¶621049327
NEIC VIII 24 12 00 28.1–1.2 58.58S–.09 25.4W–.20 35–1 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 13 27 37.8–.73 59.45S–.10 25.4W–.10 32 4.5b,3.7s 33 8-153
IDC VIII 24 13 27 33.2–.79 59.28S 25.43W 0 4.6L,4.1b ¶621049336
NEIC VIII 24 13 27 41.0–1.1 59.4S–.10 25.77W–.05 50–10 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 12 05 15.8–.50 57.75S–.09 23.95W–.08 10 4.2b 54 8-153
IDC VIII 24 12 05 14.8–.72 57.62S 23.96W 0 4.2,4.1b ¶621049328
NEIC VIII 24 12 05 16.4–.92 57.8S–.10 24.0W–.20 10–1 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 12 36 35.3–.74 59.63S–.09 26.2W–.10 40 4.2b 39 8-153
IDC VIII 24 12 36 30.2–.92 59.48S 26.21W 0 4.4L,4.1 ¶621049329
NEIC VIII 24 12 36 35.2–2.2 59.7S–.10 26.2W–.20 35–2 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 09 58 37.5–.91 59.1S–.20 23.6W–.20 10 3.8b 10 15-154
IDC VIII 24 09 58 36.1–.89 58.98S 23.70W 0 4.6L,4.0b ¶621049313
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=19.3km az=72.0.
ISC VIII 24 12 37 00.2–1.3 59.4S–.20 25.2W–.40 27 3.9b 6 31-153
IDC VIII 24 12 36 55.1–1.3 59.26S 25.13W 0 3.9b,3.9 ¶621049332
ISC Event type se.
IDC Error ellipse: s-maj=63.1km s-min=27.8km az=91.0.
ISC VIII 24 12 43 18.5–.72 58.33S–.10 24.8W–.10 10 4.3b,3.6s 36 8-153
IDC VIII 24 12 43 17.4–.89 58.28S 24.71W 0 4.2,4.1L ¶621049333
NEIC VIII 24 12 43 18.8–.93 58.3S–.10 24.8W–.20 10–2 4.3b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 18 27 39.9–.42 58.25S–.07 24.84W–.08 10 4.5b,3.5s 64 8-153
IDC VIII 24 18 27 38.9–.55 58.21S 24.88W 0 4.5L,4.3 ¶621049345
NEIC VIII 24 18 27 40.0–1.3 58.24S–.10 24.8W–.20 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 10 41 12.4–.97 59.3S–.20 25.9W–.20 40 3.7b 8 16-153
IDC VIII 24 10 41 06.9–.97 59.15S 26.16W 0 4.8L,4.1 ¶621049315
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=21.4km az=72.0.
ISC VIII 24 18 48 39.6–.33 60.55S–.07 24.88W–.07 11 5.0b,3.6s 172 9-161
IDC VIII 24 18 48 38.1–.51 60.43S 24.94W 0 5.8L,4.6b ¶621002188
NEIC VIII 24 18 48 39.5–1.2 60.55S–.10 24.9W–.20 10–1 5.0b,4.6b
GFZ VIII 24 18 48 40.8–.22 61S–5.0 25W–5.0 10 5.2b,5.2
GCMT VIII 24 18 48 43.1–.40 60.82S–.03 24.70W–.06 23–1 4.8W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108241848A. Moment Tensor Solution. s30,c35; s66,c79; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.97±.15 $M_{\theta\theta}$1.05±.10; $M_{\phi\phi}$0.92±.10; $M_{r\theta}$-1.00±.15; $M_{\theta\phi}$0.73±.05; $M_{\phi r}$1.06±.16; Best double couple: NP1:ϕ_s204.00000°,δ50.00000°,λ-125.00000°. NP2:ϕ_s72.00000°,δ51.00000°,λ-55.00000°. Principal axes:
T 1.7190,Plg0.0000°,Azm138.0000°; N 0.9740,Plg26.0000°,Azm228.0000°
; P -2.6890,Plg64.0000°,Azm47.0000° $M_0$2.20400×10^{16}
ISC VIII 24 14 51 56.0–.38 59.22S–.07 25.12W–.07 18 4.9b,3.8s 153 8-155
GFZ VIII 24 14 51 53.5–.30 59S–5.0 24W–5.0 10 5.0b,5.0 ¶621002170
IDC VIII 24 14 51 54.4–.48 59.23S 25.20W 0 4.7L,4.5b
NEIC VIII 24 14 51 55.5–.88 59.26S–.05 25.2W–.20 10–1 4.9b,4.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 21 13 25.4–.54 58.73S–.10 25.0W–.10 28 4.3b,3.5s 34 8-153
IDC VIII 24 21 13 21.0–.72 58.70S 25.30W 0 4.3b,4.3 ¶621049349
NEIC VIII 24 21 13 22.5–2.4 58.6S–.10 24.8W–.20 10–1 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 24 22 40 48.9–1.3 55.73S 24.62W 0 4.2b,4.2
¶621049353
IDC Error ellipse: s-maj=51.6km s-min=32.5km az=80.0.
ISC VIII 24 19 20 33.5–.72 60.5S–.10 25.2W–.10 11 4.2b 15 10-154
IDC VIII 24 19 20 31.8–1.2 60.55S 25.14W 0 4.4L,4.2 ¶621049347
NEIC VIII 24 19 20 33.1–1.1 60.56S–.09 25.2W–.20 10–1 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 25 05 22 02.8–1.6 58.57S 24.72W 0 3.9L,3.8b
¶621058903
IDC Error ellipse: s-maj=48.3km s-min=32.4km az=45.0.
ISC VIII 24 20 46 55.0–.70 59.1S–.10 25.5W–.10 50 4.3b 27 8-153
IDC VIII 24 20 46 48.1–1.0 58.89S 25.91W 0 4.4L,4.2b ¶621049348
NEIC VIII 24 20 46 55.8–2.0 59.0S–.20 25.3W–.20 55–11 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 23 26 56.8–.34 59.89S–.07 25.54W–.08 26 4.9b,3.7s 123 8-155
IDC VIII 24 23 26 53.0–.46 59.76S 25.56W 0 5.0L,4.5b ¶621049354
NEIC VIII 24 23 26 54.5–1.4 59.83S–.09 25.5W–.20 10–1 5.0b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 25 12 00 46.9–.97 58.6S–.20 25.7W–.20 10 4.0b 12 16-154
IDC VIII 25 12 00 45.8–1.1 58.43S 25.83W 0 4.5L,4.0 ¶621058933
ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=26.8km az=62.0.
ISC VIII 25 00 39 03.0–.30 58.46S–.06 23.73W–.07 10 5.0b,4.0s 219 8-157
IDC VIII 25 00 39 01.6–.46 58.35S 23.90W 0 4.7L,4.7b ¶621003196
NEIC VIII 25 00 39 03.1–1.7 58.48S–.09 23.7W–.20 10–1 5.1b,4.7b
GFZ VIII 25 00 39 03.1–.37 58S–5.0 24W–6.0 10 5.1b,5.1
GCMT VIII 25 00 39 08.5–.30 58.45S–.05 23.21W–.04 12 4.8W,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108250039A. Moment Tensor Solution. s18,c19; s80,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.72±.07 $M_{\theta\theta}$0.23±.08; $M_{\phi\phi}$1.49±.06; $M_{r\theta}$0.91±.37; $M_{\theta\phi}$0.39±.07; $M_{\phi r}$0.40±.26; Best double couple: NP1:ϕ_s0.00000°,δ37.00000° ,λ-120.00000°. NP2:ϕ_s216.00000°,δ59.00000°,λ-69.00000°. Principal axes: T 1.7300,Plg12.0000°,Azm291.0000°; N 0.3670,Plg17.0000°,Azm25.0000° ; P -2.0960,Plg69.0000°,Azm170.0000° $M_0$1.91300×10^{16}

ISC	VIII	**25 00 49 58.1–.42**	**59.69S–.08**	**26.37W–.09**	**50**	**4.7b**	**93**	**8-156**
IDC	VIII	25 00 49 51.7–.63	59.56S	26.23W	0	4.5L,4.5b		**¶621058896**
NEIC	VIII	25 00 49 57.3–1.9	59.7S–.10	26.4W–.20	35–1	4.7b,4.5b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
IDC	VIII	**25 12 39 59.6–1.2**	**58.11S**	**24.72W**	**0**	**4.1L,4.0**		
								¶621058936
IDC		Error ellipse: s-maj=41.7km s-min=28.5km az=76.0.						
IDC	VIII	**25 06 53 16.1–1.4**	**58.14S**	**23.53W**	**0**	**3.7L,3.7b**		
								¶621058906
IDC		Error ellipse: s-maj=82.7km s-min=31.6km az=87.0.						
ISC	VIII	**25 06 53 33.9–.87**	**58.3S–.20**	**23.7W–.20**	**10**	**3.8b**	**8**	**32-153**
IDC	VIII	25 06 53 32.4–.93	58.28S	23.68W	0	3.9b,3.9		**¶621058909**
ISC		Event type se.						
IDC		Error ellipse: s-maj=36.5km s-min=23.3km az=55.0.						
ISC	VIII	**25 07 31 57.6–.91**	**58.2S–.20**	**23.2W–.30**	**10**	**3.8b**	**9**	**16-153**
IDC	VIII	25 07 31 56.2–.93	58.14S	23.30W	0	4.0L,3.9b		**¶621058911**
ISC		Event type se.						
IDC		Error ellipse: s-maj=42.7km s-min=21.8km az=74.0.						
ISC	VIII	**25 10 35 32.4–.61**	**57.9S–.10**	**25.0W–.10**	**40**	**4.1b**	**32**	**7-152**
IDC	VIII	25 10 35 26.8–.71	57.80S	24.83W	0	4.4L,4.0b		**¶621058923**
NEIC	VIII	25 10 35 33.6–1.6	58.0S–.10	25.3W–.20	40–8	4.4b,4.0b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**25 10 43 14.1–.46**	**58.56S–.08**	**25.21W–.08**	**35**	**4.6b,3.9s**	**63**	**8-153**
IDC	VIII	25 10 43 09.5–.53	58.49S	25.26W	0	4.6L,4.4b		**¶621058925**
NEIC	VIII	25 10 43 14.2–1.1	58.6S–.10	25.1W–.20	35–2	4.7b,4.4b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**25 16 06 43.8–.65**	**59.7S–.10**	**25.6W–.10**	**10**	**4.5b**	**33**	**8-153**
IDC	VIII	25 16 06 41.9–.84	59.31S	25.99W	0	5.2L,3.9b		**¶621058947**
NEIC	VIII	25 16 06 44.1–2.8	59.70S–.06	25.6W–.20	10–1	4.6b,3.9b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**25 11 17 04.7–.50**	**58.89S–.09**	**25.31W–.08**	**35**	**4.4b**	**50**	**8-154**
IDC	VIII	25 11 16 59.4–.67	58.82S	26.02W	0	5.0L,4.4s		**¶621058931**
NEIC	VIII	25 11 17 04.7–1.8	58.91S–.10	25.2W–.20	30–6	4.5b,4.4s		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**25 19 21 18.3–1.0**	**58.7S–.20**	**25.0W–.40**	**35**		**8**	**16-153**
IDC	VIII	25 19 21 13.7–.96	58.63S	25.36W	0	4.0L,3.9b		**¶621058955**
ISC		Event type se.						
IDC		Error ellipse: s-maj=60.1km s-min=23.3km az=89.0.						
ISC	VIII	**25 12 42 08.5–.55**	**57.74S–.09**	**23.69W–.08**	**10**	**4.4b**	**34**	**8-153**
IDC	VIII	25 12 42 07.2–.73	57.62S	23.84W	0	4.2L,4.2		**¶621058937**
NEIC	VIII	25 12 42 08.7–1.2	57.7S–.10	23.7W–.10	10–1	4.6b,4.2		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**25 13 37 32.7–.54**	**58.12S–.08**	**24.98W–.09**	**10**	**4.4b,3.4s**	**42**	**7-153**
NEIC	VIII	25 13 37 32.6–1.3	58.1S–.10	24.9W–.20	10–1	4.5b,3.4s		**¶621058942**
IDC	VIII	25 13 37 32.3–.81	58.11S	25.12W	0	4.5L,4.0		
ISC		Event type se.						
NEIC		Event type se. Error ellipse: s-maj=19.5km s-min=13.8km az=44.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
IDC		Error ellipse: s-maj=34.0km s-min=17.2km az=57.0.						
ISC	VIII	**25 16 09 17.7–.91**	**60.5S–.20**	**25.1W–.20**	**11**	**3.9b**	**8**	**14-154**
IDC	VIII	25 16 09 16.4–.96	60.31S	25.21W	0	4.5L,4.1		**¶621058948**
ISC		Event type se.						
IDC		Error ellipse: s-maj=39.9km s-min=22.1km az=59.0.						
ISC	VIII	**26 00 30 06.8–.36**	**57.08S–.06**	**25.28W–.08**	**35**	**4.9b,3.9s**	**155**	**7-153**
IDC	VIII	26 00 30 01.9–.63	56.93S	25.10W	0	4.6L,4.4b		**¶621035054**
NEIC	VIII	26 00 30 07.4–1.3	57.15S–.10	25.4W–.20	35–1	5.0b,4.4b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**25 18 08 21.1–.47**	**59.46S–.08**	**23.76W–.09**	**10**	**4.5b,3.5s**	**52**	**15-154**
NEIC	VIII	25 18 08 21.7–1.6	59.5S–.10	23.8W–.20	10–1	4.5b,3.5s		**¶621058952**
IDC	VIII	25 18 08 24.7–5.8	59.40S	23.92W	33–43	4.3,4.1L		
ISC		Event type se.						
NEIC		Event type se. Error ellipse: s-maj=21.2km s-min=16.8km az=43.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
IDC		Error ellipse: s-maj=22.4km s-min=15.1km az=56.0.						
ISC	VIII	**25 19 31 46.1–.35**	**59.39S–.06**	**25.77W–.07**	**50**	**4.9b,4.1s**	**118**	**8-153**
IDC	VIII	25 19 31 39.0–.52	59.25S	25.71W	0	4.7L,4.6b		**¶621058957**
NEIC	VIII	25 19 31 46.7–1.2	59.37S–.08	25.8W–.20	57–5	5.0b,4.6b		
GCMT	VIII	25 19 31 47.9–.30	59.69S–.02	25.26W–.03	44–1	5.0W,4.6b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108251931A. Moment Tensor Solution. s31,c36; s88,c117; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.19 $M_{\theta\theta}$3.59±.15; $M_{\phi\phi}$-3.12±.14; $M_{r\theta}$-1.70±.12; $M_{\theta\phi}$0.68±.09; $M_{\phi r}$0.93±.10; Best double couple: NP1:ϕ_s219.00000°,δ61.00000° ,λ-179.00000°. NP2:ϕ_s128.00000°,δ89.00000°,λ-29.00000°. Principal axes: T 4.2220,Plg19.0000°,Azm177.0000°; N -0.6110,Plg61.0000°,Azm306.0000° ; P -3.6140,Plg21.0000°,Azm79.0000° $M_0$3.91800×10^{16}						
ISC	VIII	**25 19 43 04.7–.70**	**57.13S–.09**	**25.4W–.10**	**35**	**4.5b**	**28**	**7-152**
IDC	VIII	25 19 42 59.3–.86	56.98S	25.05W	0	4.3L,4.3b		**¶621058958**
NEIC	VIII	25 19 43 07.0–1.9	57.2S–.10	25.5W–.20	53–8	4.4b,4.3b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
IDC	VIII	**25 19 45 23.7–1.2**	**57.97S**	**25.56W**	**0**	**4.3b,4.2**		
								¶621058959
IDC		Error ellipse: s-maj=53.5km s-min=29.2km az=76.0.						
ISC	VIII	**25 19 48 58.4–.83**	**59.3S–.20**	**26.1W–.20**	**10**	**4.0b**	**12**	**16-153**
IDC	VIII	25 19 48 57.2–.89	59.26S	26.41W	0	4.9L,4.1		**¶621058960**
ISC		Event type se.						
IDC		Error ellipse: s-maj=35.9km s-min=21.9km az=75.0.						
ISC	VIII	**25 21 26 38.4–.21**	**57.17S–.05**	**25.39W–.05**	**35**	**5.3b,5.1s**	**538**	**7-176**
MOS	VIII	25 21 26 33.6–.91	57.13S	25.44W	10	5.4b,5.1s		**¶621007382**
NEIC	VIII	25 21 26 34.7–1.3	57.14S–.08	25.4W–.20	10–3	5.5b,5.3		
BJI	VIII	25 21 26 34.6	57.20S	25.40W	10	5.5b,5.4s		
GFZ	VIII	25 21 26 35.9–.16	57S–3.0	25W–3.0	10	5.5,5.3b		
IDC	VIII	25 21 26 36.0–3.5	57.03S	25.29W	18–21	5.1s,5.0L		
PTWC	VIII	25 21 26 38	57.10S	25.30W	33	5.7,5.0L		
GCMT	VIII	25 21 26 40.4–.10	57.17S–.01	25.01W–.01	22–0	5.5W,5.0L		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.						
PTWC		SOUTH SANDWICH ISLANDS REGION.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108252126A. Moment Tensor Solution. s136,c254; s155,c287;Duration: 1τ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.67±.02 $M_{\theta\theta}$-1.03±.02; $M_{\phi\phi}$-0.64±.02; $M_{r\theta}$-0.82±.03; $M_{\theta\phi}$0.76±.01; $M_{\phi r}$1.05±.03; Best double couple: NP1: ϕ_s120.00000°,δ26.00000°,λ75.00000°. NP2:ϕ_s316.00000°,δ65.00000°,λ97.00000°. Principal axes: T 2.1600,Plg70.0000°,Azm241.0000°; N -0.0890,Plg6.0000°,Azm133.0000° ; P -2.0750,Plg19.0000°,Azm41.0000° $M_0$2.11700×10^{17}						
ISC	VIII	**26 01 05 45.2–.74**	**60.09S–.08**	**25.41W–.10**	**10**	**4.5b**	**30**	**8-153**
IDC	VIII	26 01 05 37.9–1.2	59.32S	26.63W	0	5.0L,4.1		**¶621035221**
NEIC	VIII	26 01 05 46.2–1.8	60.11S–.08	25.5W–.20	10–1	4.4b,4.1		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**25 22 51 40.3–.45**	**55.60S–.08**	**26.76W–.07**	**10**	**4.9b,4.1s**	**70**	**6-150**
IDC	VIII	25 22 51 39.5–.59	55.46S	26.49W	0	4.5b,4.5		**¶621058963**
NEIC	VIII	25 22 51 40.6–1.4	55.61S–.08	26.7W–.20	10–1	4.9b,4.5		
GCMT	VIII	25 22 51 44.5–.40	55.45S–.04	26.59W–.06	24–1	4.9W,4.5		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108252251A. Moment Tensor Solution. s26,c29; s60,c77; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.45±.21 $M_{\theta\theta}$-0.87±.15; $M_{\phi\phi}$-1.59±.15; $M_{r\theta}$-0.84±.22; $M_{\theta\phi}$0.91±.06; $M_{\phi r}$-0.24±.19; Best double couple: NP1:ϕ_s160.00000°,δ44.00000° ,λ113.00000°. NP2:ϕ_s310.00000°,δ51.00000°,λ70.00000°. Principal axes: T 2.6980,Plg74.0000°,Azm157.0000°; N -0.4830,Plg16.0000°,Azm323.0000° ; P -2.2210,Plg4.0000°,Azm54.0000° $M_0$2.45900×10^{16}						
ISC	VIII	**25 18 23 42.8–.76**	**59.6S–.10**	**25.9W–.10**	**40**	**4.5b**	**25**	**8-153**
IDC	VIII	25 18 23 36.6–1.2	59.36S	26.68W	0	4.5L,3.9		**¶621058953**
NEIC	VIII	25 18 23 40.6–.93	59.3S–.10	25.3W–.30	35–2	4.5b,3.9		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**26 03 20 25.0–.25**	**58.75S–.04**	**25.46W–.04**	**33–1**	**5.6b,5.6s**	**976**	**8-176**
BJI	VIII	26 03 20 19.1	58.80S	25.50W	10	5.9s,5.8		**¶621237571**
IPGP	VIII	26 03 20 22.0	58.85S	25.46W	32	5.9W,5.8		
IDC	VIII	26 03 20 22.7–1.7	58.74S	25.41W	17–9	5.9L,5.5s		
MOS	VIII	26 03 20 23.0–.88	58.82S	25.55W	27	5.9b,5.4s		
NEIC	VIII	26 03 20 24.7	58.80S	25.44W	30	5.9b,5.4s		
NEIC	VIII	26 03 20 24.7–1.6	58.80S–.07	25.4W–.10	30–1	5.8b,5.8		
PTWC	VIII	26 03 20 24	58.70S	24.80W		6.1,5.8		
GFZ	VIII	26 03 20 25.0–.19	59S–2.0	26W–2.0	27–1	5.8,5.7b		
NEIC	VIII	26 03 20 25.2	58.70S	24.47W	36	5.8,5.7b		
NEIC	VIII	26 03 20 25	58.83S	25.44W	30	5.8,5.7b		
GFZ	VIII	26 03 20 25.0	58.84S	25.52W	32	5.9W,5.7b		
GCMT	VIII	26 03 20 30.0–.10	58.91S–.01	24.64W–.01	35–0	5.9W,5.7b		
ISC		Event type se.						
IPGP		Moment Tensor Solution. NP1:ϕ_s190.00000°,δ38.00000°,λ100.00000°. NP2:ϕ_s357.00000° ,δ53.00000°,λ82.00000°.						
NEIC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.43 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-4.63 $M_{r\theta}$-0.88 $M_{\theta\phi}$1.70 $M_{\phi r}$1.97 NP1:ϕ_s339.23000°,δ57.11000°,λ86.27000°. NP2:ϕ_s166.09000°,δ33.07000° ,λ95.75000°. Principal axes: T 4.9034,Plg78.0000°,Azm237.0000°; N 0.7248,Plg3.0000° ,Azm341.0000°; P -5.6281,Plg12.0000°,Azm72.0000° $M_0$5.30000×10^{17}						
PTWC		SOUTH SANDWICH ISLANDS REGION.						
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.						
NEIC		Event type se. Moment Tensor Solution.Duration: 4τ1 Moment tensor: Scale 10^{17}Nm; M_{rr}5.96 $M_{\theta\theta}$1.31 $M_{\phi\phi}$-7.27 $M_{r\theta}$-0.51 $M_{\theta\phi}$0.42 $M_{\phi r}$1.86 NP1:ϕ_s182.40000°,δ37.30000° ,λ97.81000°. NP2:ϕ_s352.61000°,δ53.10000°,λ84.09000°. Principal axes: T 6.2584,Plg81.0000°,Azm236.0000°; N 1.2966,Plg5.0000°,Azm356.0000° ; P -7.5550,Plg8.0000°,Azm87.0000° $M_0$7.00000×10^{17}						
NEIC		Event type se.						
GFZ		smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.43 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-6.34 $M_{r\theta}$-0.69 $M_{\theta\phi}$0.75 $M_{\phi r}$4.10 NP1: ϕ_s174.79169°,δ28.59765°,λ92.72312°. NP2:ϕ_s351.69090°,δ61.43762°,λ88.51634°. Principal axes: T 7.6628,Plg73.5203°,Azm257.9905°; N -0.0137,Plg1.3031°,Azm352.4004° ; P -7.6490,Plg16.4252°,Azm82.7846° $M_0$7.65590×10^{17}						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108260320A. Moment Tensor Solution. s151,c311; s157,c514;Duration: 2τ1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.69±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-0.81±.01; $M_{r\theta}$-0.11±.01; $M_{\theta\phi}$-0.04±.00; $M_{\phi r}$0.26±.01; Best double couple: NP1:ϕ_s194.00000°,δ37.00000°,λ107.00000°. NP2:ϕ_s352.00000°,δ55.00000°,λ77.00000°. Principal axes: T 0.7600,Plg76.0000°,Azm223.0000°; N 0.1030,Plg10.0000°,Azm360.0000° ; P -0.8630,Plg9.0000°,Azm91.0000° $M_0$0.81200×10^{18}						
ISC	VIII	**26 01 20 33.3–.85**	**59.0S–.10**	**24.9W–.20**	**10**	**4.3b**	**29**	**14-153**
NEIC	VIII	26 01 20 32.3–2.0	58.76S–.07	24.5W–.40	10–2	4.5b		**¶621035199**
IDC	VIII	26 01 20 35.8–.89	59.52S	26.53W	0	4.1,4.0b		
ISC		Event type se.						
NEIC		Event type se. Error ellipse: s-maj=35.1km s-min=6.2km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
IDC		Error ellipse: s-maj=39.2km s-min=22.0km az=66.0.						
ISC	VIII	**25 23 08 15.0–.46**	**59.17S–.08**	**25.49W–.08**	**35**	**4.5b**	**49**	**8-158**
IDC	VIII	25 23 08 09.6–.58	59.02S	25.62W	0	4.9L,4.4		**¶621058964**
NEIC	VIII	25 23 08 15.4–1.8	59.1S–.10	25.7W–.20	35–1	4.6b,4.4		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**26 03 46 22.3–.85**	**59.3S–.10**	**25.0W–.20**	**10**	**4.0b**	**31**	**8-155**
IDC	VIII	26 03 46 15.0–1.1	58.65S	25.54W	0	4.0b,4.0		**¶621035130**
NEIC	VIII	26 03 46 22.5–1.4	59.4S–.20	24.8W–.40	10–1	4.2b,4.0		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**26 03 51 19.3–.55**	**59.54S–.08**	**24.7W–.10**	**10**	**4.4b**	**37**	**8-154**
IDC	VIII	26 03 51 11.1–1.1	58.63S	25.58W	0	4.0L,4.0b		**¶621034999**
NEIC	VIII	26 03 51 19.1–1.9	59.5S–.10	24.7W–.20	10–1	4.6b,4.0b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**26 03 25 41.8–.56**	**58.79S–.07**	**25.26W–.07**	**32–3**	**4.9b**	**140**	**8-158**
IDC	VIII	26 03 25 36.7–.46	58.62S	25.59W	0	5.1L,4.7b		**¶621035181**
NEIC	VIII	26 03 25 42.7–1.6	58.76S–.08	25.2W–.10	35–1	5.1b,4.7b		
GCMT	VIII	26 03 25 45.4–.30	58.89S–.02	24.55W–.04	34–0	5.4W,4.7b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108260325A. Moment Tensor Solution. s25,c28; s89,c120; Duration: 1τ2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.49±.12 $M_{\theta\theta}$-0.31±.06; $M_{\phi\phi}$-1.18±.07; $M_{r\theta}$0.45±.05; $M_{\theta\phi}$-0.46±.03; $M_{\phi r}$0.20±.05; Best double couple: NP1:ϕ_s193.00000°,δ39.00000° ,λ73.00000°. NP2:ϕ_s35.00000°,δ53.00000°,λ103.00000°. Principal axes: T 1.5980,Plg77.0000°,Azm352.0000°; N -0.1760,Plg11.0000°,Azm206.0000° ; P -1.4220,Plg7.0000°,Azm115.0000° $M_0$1.51000×10^{17}						
ISC	VIII	**26 03 27 35.4–.65**	**58.6S–.10**	**25.4W–.10**	**10**	**4.5b**	**27**	**14-152**
IDC	VIII	26 03 27 35.8–1.8	58.62S	25.49W	0	4.5b,4.5		**¶621034998**
NEIC	VIII	26 03 27 38.7–1.9	58.4S–.10	25.3W–.20	35–2	4.5b,4.5		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**26 04 19 42.2–.60**	**58.87S–.09**	**24.8W–.10**	**18**	**4.2b**	**28**	**14-153**
IDC	VIII	26 04 19 38.5–1.2	58.69S	25.54W	0	3.9L,3.8b		**¶621035277**
NEIC	VIII	26 04 19 41.3–1.6	58.9S–.10	24.7W–.30	10–1	4.3b,3.8b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	VIII	**26 03 29 37.3–.70**	**58.6S–.10**	**24.6W–.20**	**10**	**4.5b**	**26**	**8-153**
IDC	VIII	26 03 29 36.4–1.2	58.57S	25.50W	0	4.4,4.3L		**¶621035043**
NEIC	VIII	26 03 29 36.5–2.0	58.5S–.10	24.1W–.30	10–1	4.5b,4.3L		
ISC		Event type se.						

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 03 31 35.3–.64 58.8S–.10 25.4W–.10 35 4.2b 23 16-153
IDC VIII 26 03 31 31.7–1.6 58.60S 25.70W 0 4.1L,4.1b **¶621058973**
NEIC VIII 26 03 31 35.4–.99 58.77S–.09 25.5W–.10 35–2 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 04 26 43.0–.58 58.58S–.08 25.01W–.10 10 4.5b 35 8-153
NEIC VIII 26 04 26 42.7–1.6 58.51S–.07 24.9W–.20 10–1 4.4b **¶621058975**
IDC VIII 26 04 26 43.1–.89 58.69S 25.60W 0 4.3L,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=12.6km az=266.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.4km s-min=19.7km az=76.0.
ISC VIII 26 03 37 17.5–.47 58.72S–.08 25.09W–.10 35 4.5b 58 8-153
IDC VIII 26 03 37 12.4–.58 58.63S 25.26W 0 5.0L,4.4 **¶621035197**
NEIC VIII 26 03 37 18.1–1.3 58.7S–.10 25.1W–.20 35–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 03 41 47.0–.80 59.4S–.10 24.6W–.10 10 4.5b 26 13-153
IDC VIII 26 03 41 38.8–1.2 58.62S 25.64W 0 3.9,3.8b **¶621035198**
NEIC VIII 26 03 41 47.8–1.6 59.4S–.10 24.6W–.20 10–1 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 07 17 29.2–.39 58.87S–.07 23.46W–.07 10 4.3b 75 9-153
IDC VIII 26 07 17 28.2–.51 58.79S 23.43W 0 4.8L,4.3b **¶621035063**
NEIC VIII 26 07 17 29.6–1.1 58.84S–.10 23.5W–.20 10–1 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 06 11 00.9–.70 58.62S–.10 24.9W–.10 28 3.9b 31 14-153
NEIC VIII 26 06 10 57.8–1.4 58.5S–.10 24.5W–.30 10–1 4.1b **¶621035208**
IDC VIII 26 06 10 58.7–.95 58.63S 25.34W 0 4.4L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=18.5km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.2km s-min=23.3km az=69.0.
ISC VIII 26 05 16 02.9–.28 58.80S–.06 25.40W–.06 35 5.0b 262 8-174
IDC VIII 26 05 15 57.8–.38 58.75S 25.28W 0 5.0L,4.9b **¶621035215**
GFZ VIII 26 05 15 59.8–.15 59S–3.0 25W–3.0 10 5.4,5.1b
NEIC VIII 26 05 16 02.9–1.6 58.86S–.09 25.2W–.20 35–2 5.0b,5.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 07 34 44.8–.40 60.46S–.07 25.22W–.07 11 4.7b,3.7s 78 10-157
IDC VIII 26 07 34 44.1–.54 60.41S 25.28W 0 4.6,4.5b **¶621035234**
NEIC VIII 26 07 34 44.7–1.2 60.44S–.05 25.2W–.20 10–1 4.7b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 05 16 37.6–.35 58.76S–.05 25.28W–.06 40–2 5.4b,4.7s 443 8-176
GFZ VIII 26 05 16 34.0–.17 59S–3.0 25W–3.0 10 5.7,5.5b **¶621007944**
MOS VIII 26 05 16 36.1–.89 58.79S 25.43W 35 5.5b,5.5b
IDC VIII 26 05 16 37.3–1.6 58.72S 25.25W 35–11 5.4L,5.2
NEIC VIII 26 05 16 37.3–1.1 58.78S–.10 25.4W–.20 35–1 5.4b,5.2
GCMT VIII 26 05 16 38.9–.20 58.84S–.02 24.70W–.02 39–0 5.3W,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108260516B. Moment Tensor Solution. s91,c137; s103,c140;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99±.03 $M_{\theta\theta}$-0.01±.02; $M_{\phi\phi}$-0.98±.02; $M_{r\theta}$0.01±.02; $M_{\theta\phi}$0.02±.01; $M_{\phi r}$0.20±.02; Best double couple: NP1: ϕ_s178.00000°,δ39.00000°,λ88.00000°. NP2:ϕ_s0.00000°,δ51.00000°,λ91.00000°. Principal axes: T 1.0160,Plg84.0000°,Azm279.0000°; N -0.0130,Plg1.0000°,Azm179.0000° ; P -1.0030,Plg6.0000°,Azm89.0000° $M_0$1.01000×10^{17}
ISC VIII 26 06 22 22.7–.47 58.86S–.07 25.47W–.08 35 4.3b 60 8-153
IDC VIII 26 06 22 18.3–.66 58.73S 25.61W 0 4.6L,4.2 **¶621035106**
NEIC VIII 26 06 22 22.8–1.1 58.86S–.05 25.4W–.20 35–1 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 08 02 03.1–.50 59.80S–.08 26.29W–.08 26 4.6b 64 8-153
IDC VIII 26 08 01 60.0–.66 59.72S 26.43W 0 4.6L,4.2b **¶621035211**
NEIC VIII 26 08 02 03.9–.95 59.82S–.08 26.3W–.20 32–5 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 06 31 35.9–.59 58.86S–.10 25.5W–.10 35 4.1b 33 8-153
IDC VIII 26 06 31 30.6–1.1 58.57S 25.61W 0 4.0L,3.9b **¶621035174**
NEIC VIII 26 06 31 36.4–.85 58.9S–.10 25.5W–.20 35–2 4.2b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 06 37 21.6–.39 59.62S–.07 26.31W–.07 35 4.7b,3.8s 93 8-158
IDC VIII 26 06 37 17.2–.55 59.49S 26.39W 0 4.5L,4.4b **¶621035016**
NEIC VIII 26 06 37 21.5–.82 59.68S–.06 26.2W–.10 35–2 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 05 17 24.8–.43 58.70S–.08 24.8W–.10 35 4.8b 71 14-174
IDC VIII 26 05 17 20.9–.51 58.68S 24.95W 0 5.1L,4.9b **¶621058977**
NEIC VIII 26 05 17 26.1–.83 58.8S–.10 25.2W–.10 37–6 4.9b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 09 02 30.8–.37 58.76S–.06 25.19W–.07 35 4.8b,3.8s 102 8-158
IDC VIII 26 09 02 25.4–.46 58.67S 25.30W 0 4.8L,4.5b **¶621035057**
NEIC VIII 26 09 02 31.0–1.8 58.74S–.09 25.2W–.20 35–1 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 08 14 43.8–.68 58.6S–.10 24.7W–.10 10 4.1b 29 10-153
IDC VIII 26 08 14 43.6–.94 58.64S 25.33W 0 4.1L,3.8b **¶621035282**
NEIC VIII 26 08 14 43.3–1.5 58.6S–.10 24.4W–.10 10–1 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 09 51 44.0–1.1 57.4S–.20 24.1W–.30 10 10 15-152
IDC VIII 26 09 51 42.6–1.2 57.26S 24.17W 0 4.1L,4.0 **¶621058988**
ISC Event type se.
IDC Error ellipse: s-maj=51.6km s-min=26.8km az=70.0.
ISC VIII 26 09 12 59.5–.47 59.95S–.07 26.08W–.07 16 4.7b 67 9-153
IDC VIII 26 09 12 57.7–.58 59.77S 26.48W 0 4.3L,4.3b **¶621035225**
NEIC VIII 26 09 13 02.2–1.3 59.9S–.10 26.2W–.20 35–7 4.8b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 10 14 05.9–1.4 59.8S–.20 27.0W–.40 10 10 13-153
IDC VIII 26 10 14 04.5–1.3 59.73S 27.41W 0 4.5L,4.0 **¶621035064**
ISC Event type se.
IDC Error ellipse: s-maj=68.3km s-min=27.3km az=84.0.
ISC VIII 26 09 19 01.8–.48 59.80S–.08 26.27W–.09 35 4.8b 91 8-153
IDC VIII 26 09 18 56.7–.56 59.79S 26.42W 0 4.5L,4.5 **¶621034995**
NEIC VIII 26 09 19 02.1–1.6 59.8S–.10 26.3W–.20 35–7 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 05 54 22.0–.72 58.9S–.10 24.3W–.10 10 4.0b 29 8-153
IDC VIII 26 05 54 18.2–1.1 58.63S 25.64W 0 3.8b,3.8 **¶621058981**
NEIC VIII 26 05 54 21.9–1.1 58.87S–.09 24.2W–.20 10–1 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 05 58 11.9–.50 60.26S–.08 25.05W–.09 10 4.4b 65 9-154
IDC VIII 26 05 58 11.5–.78 60.19S 25.04W 0 4.4L,4.1 **¶621035178**
NEIC VIII 26 05 58 12.6–1.0 60.20S–.10 25.0W–.20 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 10 24 37.9–.98 60.6S–.10 24.8W–.10 11 4.2b,3.1s 27 10-154
NEIC VIII 26 10 24 36.2–2.8 60.5S–.10 24.2W–.20 10–2 4.3b,3.1s **¶621035046**
IDC VIII 26 10 24 38.8–.86 60.73S 26.11W 0 4.6L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=7.0km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.5km s-min=15.9km az=57.0.
ISC VIII 26 10 51 40.0–.66 58.74S–.09 25.0W–.10 10 4.1b,3.9s 31 8-153
IDC VIII 26 10 51 38.6–.78 58.57S 25.22W 0 4.4L,4.2b **¶621035131**
NEIC VIII 26 10 51 43.3–1.1 58.74S–.10 25.1W–.20 25–6 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 02 39 18.8–.74 57.1S–.10 25.2W–.10 22 4.2b 23 7-152
IDC VIII 27 02 39 15.5–.92 57.04S 25.19W 0 4.1b,4.1 **¶621072120**
NEIC VIII 27 02 39 22.4–.99 57.3S–.10 25.5W–.30 35–2 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 15 12 00.9–.75 56.99S–.10 25.10W–.09 22 4.2b 29 7-152
IDC VIII 26 15 11 58.0–.81 56.93S 24.95W 0 4.2b,4.1 **¶621059001**
NEIC VIII 26 15 11 59.0–1.3 57.0S–.10 25.0W–.20 10–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 14 38 04.8–.53 59.65S–.08 26.11W–.08 50 4.7b,3.5s 61 8-153
IDC VIII 26 14 37 58.2–.62 59.44S 26.14W 0 4.4L,4.3b **¶621035275**
NEIC VIII 26 14 38 05.9–1.4 59.7S–.10 26.2W–.20 57–9 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 12 18 45.6–1.9 60.2S–.20 28.2W–.60 10 8 13-152
IDC VIII 26 12 18 42.9–1.4 60.71S 28.17W 0 3.6b,3.6 **¶621035269**
ISC Event type se.
IDC Error ellipse: s-maj=102.6km s-min=38.6km az=102.0.
ISC VIII 26 12 25 54.6–.31 57.11S–.06 25.03W–.07 22 5.0b 148 7-176
IDC VIII 26 12 25 51.3–.46 57.04S 25.13W 0 4.7L,4.6b **¶621008154**
NEIC VIII 26 12 25 53.1–1.9 57.1S–.10 25.0W–.20 10–1 5.1b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 20 07 10.7–.54 59.93S–.08 26.47W–.09 26 4.3b 44 8-158
IDC VIII 26 20 07 06.9–.63 59.83S 26.36W 0 4.2b,4.2 **¶621035139**
NEIC VIII 26 20 07 12.4–1.7 59.9S–.10 26.5W–.20 35–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 20 17 24.8–.62 57.07S–.10 25.5W–.10 35 5.0s,4.5b 35 7-158
IDC VIII 26 20 17 19.8–.64 56.95S 25.10W 0 4.9s,4.3b **¶621008296**
NEIC VIII 26 20 17 25.8–1.4 57.2S–.10 25.6W–.20 35–2 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 04 32 13.3–1.8 57.7S–.60 23.6W–.20 10 3.2s 7 20-153
IDC VIII 27 04 32 12.0–1.8 57.60S 23.66W 0 3.9b,3.9 **¶621072123**
ISC Event type se.
IDC Error ellipse: s-maj=84.2km s-min=35.2km az=3.0.
ISC VIII 26 20 18 17.1–.38 57.16S–.04 25.70W–.04 44–3 5.5b,5.1s 600 7-175
NEIC VIII 26 20 18 15.5–1.7 57.11S–.09 25.5W–.10 35–1 5.7b,5.3 **¶621059020**
GFZ VIII 26 20 18 18.0–.48 57S–3.0 26W–3.0 42–4 5.8,5.5b
IDC VIII 26 20 18 17.8–1.4 57.07S 25.42W 46–12 5.4L,5.2
GCMT VIII 26 20 18 17.3–.10 57.14S–.01 24.91W–.02 26–0 5.4W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108262018A. Moment Tensor Solution. s128,c218; s141,c265;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.17±.02 $M_{\theta\theta}$-1.20±.01; $M_{\phi\phi}$0.03±.01; $M_{r\theta}$-0.70±.03; $M_{\theta\phi}$0.26±.01; $M_{\phi r}$0.98±.03; Best double couple: NP1:ϕ_s81.00000° ,δ30.00000°,λ48.00000°. NP2:ϕ_s308.00000°,δ68.00000°,λ112.00000°. Principal axes: T 1.8110,Plg61.0000°,Azm250.0000°; N -0.2300,Plg20.0000°,Azm120.0000° ; P -1.5800,Plg20.0000°,Azm22.0000° $M_0$1.69600×10^{17}
ISC VIII 26 20 26 44.5–.60 57.15S–.09 25.78W–.10 35 4.7b 41 7-151
IDC VIII 26 20 26 38.8–.80 56.96S 25.27W 0 4.4L,4.4b **¶621035075**
NEIC VIII 26 20 26 45.3–2.2 57.18S–.10 25.94W–.07 35–1 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 20 34 57.4–.73 57.1S–.10 25.6W–.10 35 4.5b 20 7-151
IDC VIII 26 20 34 53.3–.99 56.97S 25.29W 0 4.0b,4.0 **¶621059023**
NEIC VIII 26 20 34 57.3–2.0 57.1S–.10 25.6W–.20 35–2 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 00 17 55.6–1.2 58.8S–.20 25.5W–.40 10 6 16-153
IDC VIII 27 00 17 54.6–1.3 58.75S 25.75W 0 4.0,3.9L **¶621072113**
ISC Event type se.
IDC Error ellipse: s-maj=66.2km s-min=25.7km az=84.0.
ISC VIII 27 06 29 00.4–.56 60.03S–.09 28.6W–.10 10 4.3b,3.5s 33 8-152
IDC VIII 27 06 28 58.5–.92 59.83S 27.87W 0 4.0b,4.0 **¶621072126**
NEIC VIII 27 06 29 01.0–2.1 60.2S–.10 28.7W–.20 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 00 40 49.0–.97 57.2S–.10 25.2W–.10 22 4.7b 19 7-152
IDC VIII 27 00 40 45.6–1.2 57.09S 25.03W 0 4.1b,4.0 **¶621072115**
NEIC VIII 27 00 40 52.1–.85 57.3S–.10 25.5W–.10 35–2 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 09 44 32.5–.93 59.4S–.20 25.4W–.20 32 3.9b 9 15-153
IDC VIII 27 09 44 28.1–.99 59.31S 25.43W 0 4.9L,4.1 **¶621072140**
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=19.8km az=56.0.
ISC VIII 27 01 11 02.0–.61 57.6S–.10 23.8W–.10 10 4.1b 26 17-153
IDC VIII 27 01 11 00.5–.81 57.53S 23.92W 0 4.2L,4.0 **¶621072116**
NEIC VIII 27 01 11 02.9–2.4 57.7S–.10 23.9W–.30 10–1 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 27 01 22 58.3–1.1 57.7S–.20 23.7W–.20 10 6 20-153
IDC VIII 27 01 22 56.7–1.1 57.65S 23.64W 0 3.9,3.8b ¶621072117
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=31.5km az=111.0.
ISC VIII 27 08 14 44.6–.58 57.95S–.10 25.7W–.10 49 4.3b 29 7-152
IDC VIII 27 08 14 37.9–.74 57.90S 25.84W 0 4.1b,4.1 ¶621072130
NEIC VIII 27 08 14 44.9–1.9 58.0S–.10 25.7W–.30 44–9 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 27 09 51 15.1–1.4 58.09S 23.71W 0 4.1L,3.9b ¶621072141
IDC Error ellipse: s-maj=77.8km s-min=28.3km az=88.0.
ISC VIII 27 13 47 38.5–.36 60.50S–.07 26.51W–.08 20 5.1b,4.0s 145 8-162
GFZ VIII 27 13 47 35.1–.27 60S–5.0 26W–6.0 10 5.2,5.2b ¶621237577
IDC VIII 27 13 47 35.6–.48 60.31S 26.90W 0 4.9L,4.7
NEIC VIII 27 13 47 35.7–1.2 60.4S–.10 26.3W–.20 10–1 5.0b,4.7
GCMT VIII 27 13 47 41.2–.30 60.69S–.02 26.86W–.03 12 4.9W,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108271347A. Moment Tensor Solution. s8,c8; s105,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.06±.08 $M_{\theta\theta}$-1.25±.10; $M_{\phi\phi}$1.19±.08; $M_{r\theta}$-0.44±.23; $M_{\theta\phi}$-1.68±.06; $M_{\phi r}$-1.50±.24; Best double couple: NP1:ϕ_s107.00000° ,δ53.00000°,λ179.00000°. NP2:ϕ_s198.00000°,δ89.00000°,λ37.00000°. Principal axes: T 2.6060,Plg26.0000°,Azm69.0000°; N -0.0140,Plg53.0000°,Azm200.0000° ; P -2.5940,Plg24.0000°,Azm327.0000° $M_0$2.60000×10^{16}
ISC VIII 27 09 23 05.5–.41 58.17S–.08 23.60W–.07 16 4.6b,3.5s 69 8-153
NEIC VIII 27 09 23 04.7–.89 58.13S–.10 23.5W–.20 10–1 4.7b,3.5s ¶621072136
IDC VIII 27 09 23 04.1–.54 58.21S 23.75W 0 4.7L,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=14.1km az=28.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.1km s-min=16.0km az=69.0.
ISC VIII 27 16 23 40.8–1.1 57.6S–.20 23.8W–.50 10 7 17-153
IDC VIII 27 16 23 39.4–1.1 57.48S 24.13W 0 3.8,3.7b ¶621072165
ISC Event type se.
IDC Error ellipse: s-maj=73.4km s-min=29.4km az=84.0.
ISC VIII 27 12 27 51.8–.40 57.36S–.08 25.92W–.10 65 4.7b 84 17-151
NEIC VIII 27 12 27 50.0–1.3 57.4S–.10 25.9W–.20 47–7 4.7b ¶621072148
IDC VIII 27 12 27 52.4–4.9 57.34S 25.94W 66–42 4.6,4.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=14.4km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.4km s-min=14.2km az=61.0.
ISC VIII 27 14 24 06.6–.88 56.5S–.10 24.2W–.30 35 4.2b,3.6s 8 18-152
IDC VIII 27 14 24 02.4–.95 56.49S 24.62W 0 4.0b,3.9 ¶621072157
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=20.2km az=73.0.
ISC VIII 27 13 01 12.0–.65 58.22S–.10 24.6W–.10 24 4.2b 28 16-153
NEIC VIII 27 13 01 09.5–1.1 58.2S–.10 24.4W–.30 10–1 4.2b ¶621072150
IDC VIII 27 13 01 09.6–.93 58.29S 25.02W 0 4.2L,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=19.9km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.5km s-min=23.8km az=76.0.
ISC VIII 27 11 17 58.4–.48 58.58S–.08 23.2W–.10 10 4.4b 37 16-153
IDC VIII 27 11 17 56.7–.63 58.54S 23.26W 0 4.3b,4.2 ¶621072144
NEIC VIII 27 11 17 58.9–1.4 58.56S–.10 23.1W–.20 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 16 07 18.1–.61 58.4S–.10 23.5W–.10 10 4.5b 27 8-153
IDC VIII 27 16 07 17.3–.69 58.26S 23.54W 0 4.2,4.1b ¶621072160
NEIC VIII 27 16 07 17.4–2.6 58.4S–.10 23.3W–.10 10–1 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 27 21 22 08.5–1.3 58.90S 25.75W 0 3.7b,3.7 ¶621072178
IDC Error ellipse: s-maj=103.9km s-min=34.8km az=103.0.
ISC VIII 27 16 14 05.6–.65 57.6S–.10 23.31W–.09 10 4.3b 22 8-153
IDC VIII 27 16 14 04.2–1.0 57.48S 24.00W 0 4.1,4.0L ¶621072161
NEIC VIII 27 16 14 05.6–2.4 57.6S–.10 23.2W–.20 10–2 4.3b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 16 14 41.5–.67 58.3S–.10 23.5W–.10 10 4.3b,3.3s 21 8-153
IDC VIII 27 16 14 40.1–.77 58.27S 23.58W 0 4.2L,4.2b ¶621072164
NEIC VIII 27 16 14 42.1–1.3 58.3S–.10 23.6W–.20 10–2 4.2b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 22 35 42.7–.39 60.38S–.07 25.15W–.08 11 4.9b,3.8s 104 9-154
IDC VIII 27 22 35 41.7–.52 60.34S 25.30W 0 4.8L,4.5b ¶621072186
GFZ VIII 27 22 35 41.6–.36 60S–7.0 24W–9.0 10 4.9b,4.6
NEIC VIII 27 22 35 43.1–1.2 60.33S–.09 25.2W–.20 10–1 4.9b,4.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 21 40 51.5–.31 58.69S–.06 25.00W–.06 28 4.7b,3.8s 144 8-155
IDC VIII 27 21 40 47.1–.45 58.53S 25.04W 0 4.5b,4.5 ¶621072180
NEIC VIII 27 21 40 52.3–1.6 58.77S–.05 25.1W–.10 35–2 4.8b,4.5
GFZ VIII 27 21 40 54.2–.77 59S–7.0 25W–8.0 46–7 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 27 18 07 21.9–.28 57.35S–.06 23.99W–.06 10 5.1b,4.4s 216 8-176
IDC VIII 27 18 07 20.5–.43 57.27S 23.97W 0 4.8b,4.8 ¶621237578
NEIC VIII 27 18 07 21.4–1.6 57.4S–.10 23.9W–.20 10–1 5.2b,4.8
GFZ VIII 27 18 07 26.1–.22 57S–4.0 24W–4.0 37 5.0b,4.9
GCMT VIII 27 18 07 28.0–.20 57.44S–.02 23.47W–.02 17–0 5.0W,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108271807A. Moment Tensor Solution. s50,c60; s92,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.14±.16 $M_{\theta\theta}$-0.55±.12; $M_{\phi\phi}$3.68±.11; $M_{r\theta}$-0.82±.32; $M_{\theta\phi}$-1.45±.07; $M_{\phi r}$-2.37±.25; Best double couple: NP1:ϕ_s139.00000° ,δ35.00000°,λ-130.00000°. NP2:ϕ_s5.00000°,δ64.00000°,λ-66.00000°. Principal axes: T 4.6800,Plg15.0000°,Azm77.0000°; N -0.3920,Plg22.0000°,Azm173.0000° ; P -4.2920,Plg63.0000°,Azm315.0000° $M_0$4.48600×10^{16}
ISC VIII 27 23 53 52.9–.57 57.02S–.09 25.2W–.10 22 5.2b 28 7-150
IDC VIII 27 23 53 50.1–1.4 56.92S 25.15W 0 4.9b,4.9 ¶621072191
NEIC VIII 27 23 53 51.1–1.2 56.98S–.06 25.1W–.20 10–1 4.9b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 00 43 32.2–.50 59.07S–.08 23.36W–.09 10 4.9b 37 9-154
IDC VIII 28 00 43 30.8–.90 58.94S 23.50W 0 4.6L,4.2 ¶621073074
NEIC VIII 28 00 43 32.5–.98 59.10S–.10 23.35W–.09 10–1 4.9b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 00 49 10.2–.54 59.68S–.09 28.85W–.08 10 4.7b 33 7-152
IDC VIII 28 00 49 10.0–1.0 59.64S 28.93W 0 3.9b,3.8 ¶621073075
NEIC VIII 28 00 49 10.6–1.6 59.69S–.07 29.0W–.20 10–1 4.9b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 19 16 21.1–1.4 55.9S–.20 26.2W–.50 10 6 19-150
IDC VIII 27 19 16 17.7–1.2 55.75S 27.48W 0 3.9b,3.7 ¶621072170
ISC Event type se.
IDC Error ellipse: s-maj=75.4km s-min=24.6km az=96.0.
ISC VIII 27 22 06 40.3–.52 60.10S–.10 27.2W–.10 34 4.8b 31 8-153
IDC VIII 27 22 06 36.0–.83 60.01S 27.24W 0 4.0b,4.0 ¶621072181
NEIC VIII 27 22 06 40.8–1.5 60.07S–.07 27.3W–.20 43–7 5.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 22 08 33.5–.37 59.55S–.06 26.21W–.07 40 4.8b 99 8-153
IDC VIII 27 22 08 28.5–.73 59.58S 26.23W 0 4.5L,4.1b ¶621237579
NEIC VIII 27 22 08 32.7–2.1 59.6S–.10 26.0W–.20 35–2 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 00 22 05.6–.36 59.68S–.05 26.32W–.05 50–3 5.4b,4.5s 498 8-177
IDC VIII 28 00 21 58.7–.31 59.61S 26.22W 0 5.1b,5.1 ¶621237580
GFZ VIII 28 00 22 00.8–.25 60S–4.0 26W–5.0 10 5.6,5.5b
MOS VIII 28 00 22 03.0–.82 59.67S 26.38W 35 5.5b,4.4s
NEIC VIII 28 00 22 04.3–1.5 59.65S–.06 26.3W–.10 35–1 5.3b,4.4s
GCMT VIII 28 00 22 09.3–.20 59.96S–.01 25.60W–.02 39–0 5.2W,4.4s
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108280022A. Moment Tensor Solution. s80,c114; s118,c179;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.36±.18 $M_{\theta\theta}$1.81±.15; $M_{\phi\phi}$-6.17±.12; $M_{r\theta}$-1.67±.15; $M_{\theta\phi}$-2.97±.10; $M_{\phi r}$1.71±.13; Best double couple: NP1: ϕ_s229.00000°,δ49.00000°,λ137.00000°. NP2:ϕ_s350.00000°,δ59.00000°,λ49.00000°. Principal axes: T 5.9020,Plg55.0000°,Azm205.0000°; N 1.3600,Plg34.0000°,Azm13.0000° ; P -7.2620,Plg6.0000°,Azm107.0000° $M_0$6.58200×10^{16}
ISC VIII 27 22 08 52.5–.35 59.68S–.05 26.15W–.05 30–2 5.1b,4.4s 415 8-177
GFZ VIII 27 22 08 46.4–.20 61S–4.0 26W–4.0 10 5.3,5.3b ¶622451747
IDC VIII 27 22 08 52.5–1.8 59.64S 26.29W 32–12 5.0,4.8L
MOS VIII 27 22 08 52.5–1.0 59.71S 26.41W 39 5.2b,4.8L
NEIC VIII 27 22 08 53.5–1.5 59.65S–.08 26.2W–.10 35–1 5.2b,4.8L
GCMT VIII 27 22 08 54.5–.20 60.00S–.02 25.55W–.04 38–0 5.0W,4.8L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108272208A. Moment Tensor Solution. s62,c80; s84,c116; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.22±.17 $M_{\theta\theta}$-1.51±.13; $M_{\phi\phi}$-2.71±.11; $M_{r\theta}$-0.87±.12; $M_{\theta\phi}$-1.63±.07; $M_{\phi r}$-1.52±.09; Best double couple: NP1:ϕ_s37.00000°,δ33.00000° ,λ93.00000°. NP2:ϕ_s213.00000°,δ57.00000°,λ88.00000°. Principal axes: T 4.5850,Plg78.0000°,Azm116.0000°; N -0.3780,Plg2.0000°,Azm214.0000° ; P -4.2070,Plg12.0000°,Azm304.0000° $M_0$4.39600×10^{16}
ISC VIII 27 22 23 45.0–.41 57.33S–.07 25.08W–.07 15 4.7b 72 7-152
IDC VIII 27 22 23 42.2–.65 57.23S 25.07W 0 4.3L,4.2b ¶621072185
NEIC VIII 27 22 23 47.6–1.2 57.38S–.09 25.2W–.20 32–6 4.8b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 27 20 23 38.1–1.1 60.29S 25.29W 0 5.1L,4.3 ¶621072174
IDC Error ellipse: s-maj=39.1km s-min=23.7km az=73.0.
IDC VIII 28 09 49 54.4–2.3 56.94S 26.39W 0 4.0b,4.0 ¶621073099
IDC Error ellipse: s-maj=89.0km s-min=46.6km az=6.0.
ISC VIII 28 01 39 43.9–.69 56.4S–.10 27.5W–.10 112 3.9b 23 6-152
NEIC VIII 28 01 39 45.8–1.1 56.3S–.20 27.5W–.30 126–9 4.1b ¶621073077
IDC VIII 28 01 39 46.2–9.3 56.13S 27.36W 133–84 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.0km s-min=11.4km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.0km s-min=20.3km az=61.0.
ISC VIII 28 10 17 56.8–.41 59.64S–.07 25.95W–.08 40 4.8b,3.8s 98 8-153
IDC VIII 28 10 17 52.7–.50 59.44S 26.09W 0 4.6b,4.6 ¶621073100
NEIC VIII 28 10 17 55.1–.98 59.7S–.10 25.9W–.20 26–6 4.8b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 02 10 43.0–.44 58.80S–.07 25.03W–.08 35 4.4b,3.8s 57 8-153
IDC VIII 28 02 10 38.2–.58 58.63S 25.12W 0 4.3b,4.3 ¶621073078
NEIC VIII 28 02 10 43.0–2.8 58.8S–.10 25.0W–.20 35–2 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 02 17 22.5–.95 59.0S–.20 23.4W–.30 10 3.9b 8 15-154
IDC VIII 28 02 17 21.1–.96 58.95S 23.58W 0 4.4L,4.1 ¶621073079
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=20.9km az=76.0.
IDC VIII 28 06 48 59.4–1.4 58.53S 25.44W 0 3.8L,3.8b ¶621073093
IDC Error ellipse: s-maj=58.8km s-min=34.4km az=60.0.
ISC VIII 28 04 16 41.7–.29 58.76S–.05 25.27W–.06 36–2 5.1b,4.1s 364 8-174
MOS VIII 28 04 16 36.4–1.1 58.82S 25.30W 6 5.3b,4.2s ¶621009751
GFZ VIII 28 04 16 38.1–.35 59S–6.0 25W–7.0 10 5.3,5.2b
NEIC VIII 28 04 16 41.9–2.0 58.78S–.10 25.5W–.20 35–3 5.1b,5.2b
IDC VIII 28 04 16 41.5–2.0 58.76S 25.50W 33–14 5.0L,4.8
GCMT VIII 28 04 16 44.7–.30 59.10S–.03 24.86W–.04 38–1 5.0W,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108280416A. Moment Tensor Solution. s51,c63; s68,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.86±.19 $M_{\theta\theta}$0.97±.15; $M_{\phi\phi}$-3.83±.12; $M_{r\theta}$-0.55±.21; $M_{\theta\phi}$-0.27±.10; $M_{\phi r}$0.64±.13; Best double couple: NP1:ϕ_s199.00000°,δ42.00000° ,λ113.00000°. NP2:ϕ_s349.00000°,δ52.00000°,λ70.00000°. Principal axes: T 3.0750,Plg74.0000°,Azm201.0000°; N 0.8220,Plg15.0000°,Azm1.0000° ; P -3.9010,Plg5.0000°,Azm93.0000° $M_0$3.48800×10^{16}
ISC VIII 28 12 07 11.9–.97 57.4S–.20 26.9W–.20 10 4.0b 8 32-151
IDC VIII 28 12 07 10.4–.96 57.35S 26.90W 0 4.1b,4.1 ¶621073106
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=27.3km az=86.0.
ISC VIII 28 04 36 10.4–.95 58.8S–.20 24.8W–.20 18 4.1b 8 16-153
IDC VIII 28 04 36 08.2–1.1 58.71S 24.97W 0 4.3L,4.1 ¶621073088
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=22.2km az=66.0.
ISC VIII 28 05 27 48.1–.65 58.9S–.10 25.6W–.10 35 4.3b,3.4s 25 8-153
IDC VIII 28 05 27 43.0–.83 58.81S 25.69W 0 4.3b,4.3 ¶621073090
NEIC VIII 28 05 27 48.6–.74 58.93S–.08 25.5W–.20 35–7 4.4b,4.3

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 02 39 39.9–1.1 58.7S–.20 25.1W–.40 10 6 16-153
IDC VIII 28 02 39 38.6–1.1 58.62S 25.51W 0 3.9L,3.8b **¶621073080**
ISC Event type se.
IDC Error ellipse: s-maj=65.6km s-min=28.6km az=86.0.
ISC VIII 28 02 45 11.4–.58 58.8S–.10 25.4W–.10 35 4.1b,3.5s 31 8-153
IDC VIII 28 02 45 06.9–.66 58.65S 25.21W 0 4.3L,4.2b **¶621073081**
NEIC VIII 28 02 45 11.4–.40 58.9S–.10 25.3W–.20 35–2 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 02 50 42.3–1.1 60.4S–.20 26.7W–.30 20 3.8b 6 15-153
IDC VIII 28 02 50 39.0–.96 60.46S 26.70W 0 3.9L,3.9b **¶621073082**
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=20.9km az=63.0.
ISC VIII 28 03 07 35.9–.93 56.4S–.20 25.4W–.30 29 4.1b 8 18-151
IDC VIII 28 03 07 31.6–.94 56.34S 25.55W 0 4.0b,4.0 **¶621073084**
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=21.8km az=73.0.
ISC VIII 28 07 18 59.0–1.2 56.1S–.20 26.9W–.40 63 4.0b 8 19-150
IDC VIII 28 07 18 50.5–1.2 55.92S 26.82W 0 3.9b,3.9 **¶621073095**
ISC Event type se.
IDC Error ellipse: s-maj=63.6km s-min=23.3km az=64.0.
ISC VIII 28 12 36 48.2–.50 57.51S–.08 26.37W–.09 50 4.1b 34 7-152
NEIC VIII 28 12 36 48.3–1.4 57.53S–.09 26.47W–.08 49–9 4.2b **¶621073109**
IDC VIII 28 12 36 50.1–6.7 57.40S 25.85W 63–59 4.2,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=3.3km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.3km s-min=22.8km az=66.0.
ISC VIII 28 12 38 07.1–.53 57.42S–.10 26.0W–.10 65 4.5b 29 7-151
NEIC VIII 28 12 38 05.6–1.3 57.4S–.10 25.9W–.10 50–8 4.5b **¶621073110**
IDC VIII 28 12 38 09.7–14 57.44S 25.84W 82–122 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=5.6km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=91.8km s-min=40.1km az=113.0.
ISC VIII 28 18 29 43.2–.67 57.1S–.10 25.0W–.10 22 4.3b 21 7-152
IDC VIII 28 18 29 40.9–.96 57.00S 25.09W 0 4.2b,4.1L **¶621073124**
NEIC VIII 28 18 29 41.4–1.3 57.1S–.10 24.8W–.20 10–1 4.5b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 15 41 14.7–1.0 60.8S–.20 25.5W–.30 35 3.9b 6 14-154
IDC VIII 28 15 41 09.9–1.0 60.60S 25.95W 0 4.1L,4.0 **¶621073117**
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=22.4km az=68.0.
IDC VIII 28 19 53 22.9–1.2 57.32S 26.20W 0 4.0b,3.8 ¶621073129
IDC Error ellipse: s-maj=75.5km s-min=28.6km az=92.0.
ISC VIII 28 14 15 14.5–.83 59.8S–.20 27.5W–.20 10 3.8b 10 15-152
IDC VIII 28 14 15 13.5–.82 59.67S 27.69W 0 4.7L,4.1 **¶621073113**
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=19.5km az=61.0.
ISC VIII 29 01 35 24.4–.47 60.59S–.09 25.21W–.10 11 4.5b,3.5s 52 10-157
IDC VIII 29 01 35 23.0–.59 60.51S 25.20W 0 4.6L,4.4 **¶621073142**
NEIC VIII 29 01 35 24.2–1.3 60.5S–.10 25.2W–.10 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 16 04 00.5–.36 59.33S–.06 25.82W–.07 35 4.8b,4.1s 107 8-173
IDC VIII 28 16 03 54.8–.46 59.33S 25.87W 0 4.4b,4.4 **¶621237583**
NEIC VIII 28 16 04 00.7–2.2 59.38S–.10 25.9W–.20 35–1 4.9b,4.4
GCMT VIII 28 16 04 05.3–.30 59.41S–.03 25.07W–.05 42–1 5.0W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108281604A. Moment Tensor Solution. s36,c40; s57,c67; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.34±.23 $M_{\theta\theta}$2.66±.22; $M_{\phi\phi}$-4.01±.14; $M_{r\theta}$-0.70±.20; $M_{\theta\phi}$-2.00±.12; $M_{\phi r}$0.05±.14; Best double couple: NP1:ϕ_s332.00000°,δ76.00000° ,λ12.00000°. NP2:ϕ_s239.00000°,δ78.00000°,λ166.00000°. Principal axes: T 3.4420,Plg18.0000°,Azm195.0000°; N 1.1160,Plg72.0000°,Azm20.0000° ; P -4.5670,Plg1.0000°,Azm286.0000° $M_0$4.00400×10^{16}
IDC VIII 28 16 08 58.0–1.2 59.73S 27.18W 0 4.7L,4.2 ¶621073121
IDC Error ellipse: s-maj=46.6km s-min=30.3km az=50.0.
ISC VIII 28 20 10 12.5–.47 59.42S–.06 25.82W–.07 56–4 5.0b,3.8s 159 8-158
IDC VIII 28 20 10 04.6–.40 59.34S 25.76W 0 4.5b,4.5 **¶621237584**
NEIC VIII 28 20 10 12.1–1.0 59.42S–.09 25.9W–.20 51–5 5.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 03 03 15.3–1.2 59.2S–.20 25.3W–.40 35 6 15-153
IDC VIII 29 03 03 09.8–1.3 59.04S 26.17W 0 4.3L,4.0b **¶621073144**
ISC Event type se.
IDC Error ellipse: s-maj=73.4km s-min=27.9km az=85.0.
ISC VIII 29 03 34 08.3–.69 59.7S–.10 26.1W–.10 40 4.0b 25 8-153
IDC VIII 29 03 34 03.4–.82 59.53S 26.27W 0 4.7L,4.0 **¶621073147**
NEIC VIII 29 03 34 07.5–.80 59.66S–.05 25.9W–.20 35–2 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 29 04 19 48.6–1.2 57.82S 23.59W 0 4.5L,4.1 ¶621073153
IDC Error ellipse: s-maj=50.5km s-min=33.9km az=57.0.
ISC VIII 29 03 34 24.7–.56 59.6S–.10 25.93W–.10 40 4.5b 41 9-153
IDC VIII 29 03 34 20.1–.70 59.47S 26.06W 0 4.4L,4.3 **¶621073150**
NEIC VIII 29 03 34 24.1–2.2 59.62S–.05 25.8W–.20 35–2 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 29 09 49 45.0–1.4 59.45S 26.23W 0 3.8b,3.8 ¶621073166
IDC Error ellipse: s-maj=119.0km s-min=33.8km az=98.0.
IDC VIII 29 12 49 25.5–1.4 59.43S 24.64W 0 3.8L,3.8b ¶621073176
IDC Error ellipse: s-maj=67.7km s-min=24.3km az=81.0.
ISC VIII 29 10 39 11.0–.59 59.3S–.10 24.5W–.10 10 4.2b 36 15-153
IDC VIII 29 10 39 09.5–.73 59.21S 24.68W 0 4.7L,4.1b **¶621073168**
NEIC VIII 29 10 39 11.1–1.3 59.3S–.10 24.5W–.20 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 10 58 21.0–.87 60.2S–.20 26.5W–.20 26 3.9b 10 15-153
IDC VIII 29 10 58 17.6–.92 60.13S 26.70W 0 4.0L,3.9b **¶621073169**
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=16.8km az=62.0.
ISC VIII 29 13 04 02.9–.32 58.30S–.06 24.86W–.07 28 4.9b,4.1s 129 8-164
IDC VIII 29 13 03 57.9–.46 58.15S 24.99W 0 5.1L,4.5b **¶621073177**
GFZ VIII 29 13 04 01.5–2.2 58S–8.0 24W–9.0 24–14 5.1,5.1b
NEIC VIII 29 13 04 04.4–1.6 58.37S–.08 24.9W–.20 42–6 4.9b,5.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 11 39 43.5–.62 58.5S–.10 23.3W–.10 10 4.3b 26 16-153
NEIC VIII 29 11 39 43.3–.73 58.6S–.10 23.2W–.20 10–1 4.4b **¶621073170**
IDC VIII 29 11 39 43.1–.86 58.41S 23.51W 0 4.6L,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=16.3km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.4km s-min=22.8km az=67.0.
ISC VIII 29 19 16 05.8–.83 60.4S–.20 24.8W–.20 11 3.9b 10 14-154
IDC VIII 29 19 16 04.1–.89 60.29S 24.95W 0 4.4L,4.0 **¶621073201**
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=18.0km az=61.0.
ISC VIII 29 17 03 21.2–.00 59.1S–.20 25.7W–.40 10 9 16-153
IDC VIII 29 17 03 19.6–1.1 58.99S 26.18W 0 4.6L,4.1 **¶621073194**
ISC Event type se.
IDC Error ellipse: s-maj=62.9km s-min=24.9km az=80.0.
ISC VIII 29 13 48 08.9–.91 59.5S–.20 23.8W–.20 10 3.9b 8 15-154
IDC VIII 29 13 48 07.7–.92 59.42S 23.93W 0 4.0L,3.9b **¶621073180**
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=19.4km az=62.0.
ISC VIII 29 15 13 33.7–.39 57.44S–.07 25.85W–.08 50 4.7b 78 7-154
IDC VIII 29 15 13 26.8–.50 57.35S 25.72W 0 4.5L,4.4b **¶621073184**
NEIC VIII 29 15 13 34.1–1.1 57.42S–.10 25.8W–.20 49–3 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 03 01 45.1–.80 60.4S–.20 26.6W–.20 20 4.4b 27 15-153
IDC VIII 30 03 01 41.8–.94 60.42S 26.42W 0 3.8b,3.8 **¶621076483**
NEIC VIII 30 03 01 43.9–.43 60.4S–.10 26.6W–.50 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 29 15 50 23.9–1.2 58.55S 25.45W 0 3.9L,3.7 ¶621073188
IDC Error ellipse: s-maj=56.6km s-min=27.6km az=71.0.
ISC VIII 29 17 42 27.3–.72 57.00S–.10 25.03W–.10 22 4.4b 30 7-152
NEIC VIII 29 17 42 24.6–1.9 57.0S–.10 24.8W–.20 10–1 4.4b **¶621073196**
IDC VIII 29 17 42 25.3–.99 56.97S 25.14W 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=14.6km az=39.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.2km s-min=21.7km az=65.0.
ISC VIII 29 18 22 41.2–.52 56.95S–.08 25.2W–.10 22 4.4b 38 17-152
IDC VIII 29 18 22 38.0–.67 56.97S 25.08W 0 4.1b,4.1 **¶621073197**
NEIC VIII 29 18 22 42.3–1.4 57.0S–.10 25.2W–.20 30–6 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 18 27 48.1–.73 59.6S–.10 25.9W–.10 10 4.3b,3.4s 25 8-155
IDC VIII 29 18 27 46.3–.80 59.57S 25.87W 0 4.7L,4.1 **¶621073198**
NEIC VIII 29 18 27 48.4–1.7 59.6S–.10 25.8W–.20 16–4 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 23 16 52.1–.46 59.28S–.08 25.17W–.07 27 4.6b 51 8-153
IDC VIII 29 23 16 48.2–.68 59.15S 25.31W 0 4.4L,4.2 **¶621073210**
NEIC VIII 29 23 16 50.6–1.5 59.34S–.10 25.2W–.20 15–5 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 14 53 22.9–.32 56.83S–.07 25.39W–.07 35 4.9b,3.8s 190 7-157
IDC VIII 29 14 53 17.0–.45 56.76S 25.16W 0 4.5L,4.4b **¶621011005**
GFZ VIII 29 14 53 19.7–.21 57S–4.0 25W–4.0 10 4.9b,4.9
NEIC VIII 29 14 53 21.6–1.2 56.9S–.10 25.4W–.20 25–5 5.0b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 21 59 53.3–.51 59.8S–.10 26.1W–.10 35 4.5b 47 8-153
IDC VIII 29 21 59 49.2–.72 59.71S 26.26W 0 4.3L,4.1b **¶621073204**
NEIC VIII 29 21 59 53.4–1.0 59.7S–.10 26.0W–.20 35–2 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 05 22 22.2–.59 57.90S–.09 25.4W–.10 49 4.2b,3.5s 43 7-152
IDC VIII 30 05 22 15.7–.75 57.86S 25.34W 0 4.1L,4.1b **¶621076488**
NEIC VIII 30 05 22 21.0–.84 57.9S–.10 25.3W–.20 35–7 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 22 11 39.2–.51 57.43S–.09 24.89W–.10 15 4.5b,3.4s 48 7-152
IDC VIII 29 22 11 36.8–.67 57.36S 25.07W 0 4.2b,4.2 **¶621073206**
NEIC VIII 29 22 11 42.4–.84 57.5S–.10 24.9W–.20 35–2 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 22 26 51.7–.51 57.42S–.10 24.88W–.08 15 4.3b 30 7-152
IDC VIII 29 22 26 49.4–1.2 57.43S 25.10W 0 3.9b,3.8 **¶621073207**
NEIC VIII 29 22 26 54.8–1.7 57.5S–.10 24.9W–.20 35–2 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 23 32 45.5–.79 58.16S–.04 23.53W–.05 13–4 5.4b,4.9s 591 8-175
NEIC VIII 29 23 32 44.6–1.3 58.10S–.08 23.5W–.20 10–1 5.5b,4.9 **¶621010108**
NEIC VIII 29 23 32 44.5 58.11S 23.51W 10 5.5b,4.9
BJI VIII 29 23 32 44.0 58.20S 23.70W 10 5.2b,5.1s
IDC VIII 29 23 32 44.1–.32 58.11S 23.47W 0 5.6L,5.2b
MOS VIII 29 23 32 45.4–.99 58.20S 23.84W 18 5.7b,4.6s
NEIC VIII 29 23 32 45 57.81S 23.32W 20 5.5,4.6s
GFZ VIII 29 23 32 46.4–.18 58S–3.0 24W–3.0 10 5.5,5.3b
GCMT VIII 29 23 32 49.4–.10 58.17S–.01 22.95W–.01 12 5.3W,5.3b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.53 $M_{\theta\theta}$0.03 $M_{\phi\phi}$1.50 $M_{r\theta}$-0.26 $M_{\theta\phi}$-0.17 $M_{\phi r}$1.25 NP1:ϕ_s356.53000°,δ25.11000° ,λ-84.11000°. NP2:ϕ_s170.04000°,δ65.03000°,λ-92.75000°. Principal axes: T 1.9818,Plg20.0000°,Azm262.0000°; N 0.0181,Plg2.0000°,Azm171.0000° ; P -1.9999,Plg70.0000°,Azm74.0000° $M_0$1.99000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108292332A. Moment Tensor Solution. s97,c166; s121,c247;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83±.02 $M_{\theta\theta}$-0.51±.02; $M_{\phi\phi}$1.34±.01; $M_{r\theta}$-0.23±.04; $M_{\theta\phi}$0.14±.01; $M_{\phi r}$-0.26±.03; Best double couple: NP1: ϕ_s159.00000°,δ44.00000°,λ-128.00000°. NP2:ϕ_s26.00000°,δ57.00000°,λ-60.00000°. Principal axes: T 1.3870,Plg7.0000°,Azm95.0000°; N -0.4260,Plg25.0000°,Azm189.0000° ; P -0.9600,Plg64.0000°,Azm350.0000° $M_0$1.17400×10^{17}
ISC VIII 30 05 30 50.1–.65 60.12S–.10 24.29W–.09 10 4.2b,3.1s 34 9-154
NEIC VIII 30 05 30 49.4–1.1 60.1S–.10 24.1W–.20 10–1 4.3b,3.1s **¶621076489**
IDC VIII 30 05 30 50.7–.90 60.10S 24.73W 0 4.8L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=14.9km az=33.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.6km s-min=20.9km az=60.0.
ISC VIII 30 06 08 47.7–.97 60.5S–.20 26.7W–.30 20 3.8b 7 15-153
IDC VIII 30 06 08 44.2–1.0 60.54S 26.39W 0 4.2L,3.8 **¶621076490**

ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=21.8km az=72.0.
ISC VIII 29 23 43 32.2–.74 59.25S–.06 23.72W–.06 18–3 5.1b,4.7s 308 9-174
IDC VIII 29 23 43 29.3–.34 59.13S 23.67W 0 5.1L,4.9b **¶621237587**
NEIC VIII 29 23 43 30.5–1.4 59.24S–.08 23.7W–.20 10–1 5.1b,4.9b
GFZ VIII 29 23 43 31.1–.18 59S–4.0 24W–4.0 10 5.6,5.0b
GCMT VIII 29 23 43 35.6–.30 59.33S–.04 23.14W–.04 20–1 5.0W,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108292343A. Moment Tensor Solution. s11,c16; s92,c135; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.62±.31 $M_{\theta\theta}$-0.22±.17; $M_{\phi\phi}$3.84±.19; $M_{r\theta}$-0.33±.39; $M_{\theta\phi}$0.90±.10; $M_{\phi r}$0.58±.29; Best double couple: NP1:ϕ_s20.00000°,δ42.00000°,λ-78.00000°. NP2:ϕ_s184.00000°,δ49.00000°,λ-100.00000°. Principal axes: T 4.0620,Plg4.0000°,Azm282.0000°; N -0.3540,Plg8.0000°,Azm191.0000°; P -3.7130,Plg81.0000°,Azm37.0000° $M_0$3.88700×10^{16}
ISC VIII 30 09 27 04.1–.91 59.1S–.20 23.4W–.20 10 3.7b 8 15-154
IDC VIII 30 09 27 02.9–.96 58.98S 23.48W 0 4.4L,3.9 **¶621076506**
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=21.4km az=58.0.
ISC VIII 30 00 05 49.1–.52 58.15S–.10 23.16W–.09 10 4.7b 31 8-153
IDC VIII 30 00 05 48.1–.94 58.09S 23.42W 0 4.2L,3.8 **¶621076472**
NEIC VIII 30 00 05 49.3–.78 58.2S–.10 23.2W–.20 10–1 4.7b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 30 08 21 38.0–1.2 60.33S 27.63W 0 3.8L,3.8b
¶621076498
IDC Error ellipse: s-maj=56.2km s-min=25.1km az=52.0.
ISC VIII 30 22 41 53.1–.70 59.0S–.10 24.3W–.10 10 4.3b 20 8-153
NEIC VIII 30 22 41 52.3–2.0 58.95S–.07 24.0W–.20 10–1 4.3b **¶621076547**
IDC VIII 30 22 41 53.2–1.3 58.96S 24.85W 0 4.3L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=4.9km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.1km s-min=26.8km az=86.0.
ISC VIII 30 08 36 55.1–.54 58.83S–.10 25.38W–.09 35 4.3b,3.0s 52 8-153
IDC VIII 30 08 36 51.3–.82 58.91S 25.71W 0 4.4L,4.2b **¶621076502**
NEIC VIII 30 08 36 55.0–1.3 58.7S–.10 25.2W–.20 35–2 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 13 02 30.8–.44 56.70S–.08 23.90W–.08 10 4.8b,3.4s 59 8-153
IDC VIII 30 13 02 29.5–.55 56.67S 23.69W 0 4.6L,4.5 **¶621076520**
NEIC VIII 30 13 02 31.1–1.3 56.7S–.10 24.0W–.20 10–1 4.9b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 13 43 30.3–.91 56.6S–.10 23.8W–.10 10 4.2b,3.5s 19 8-152
IDC VIII 30 13 43 28.3–1.0 56.61S 23.80W 0 4.0b,4.0 **¶621076522**
NEIC VIII 30 13 43 31.2–2.4 56.6S–.20 23.9W–.20 10–2 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 14 45 52.4–.43 59.58S–.06 26.39W–.06 72–3 5.1b 238 8-173
GFZ VIII 30 14 45 51.9–.15 60S–4.0 26W–3.0 66 5.2,5.2b **¶621237588**
IDC VIII 30 14 45 51.1–4.1 59.50S 26.42W 61–35 4.9L,4.8
NEIC VIII 30 14 45 52.1–1.1 59.5S–.10 26.4W–.20 68–3 5.1b,4.8
GCMT VIII 30 14 45 54.1–.20 59.80S–.01 25.57W–.02 58–0 5.1W,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108301445A. Moment Tensor Solution. s92,c143; s124,c174;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.63±.14 $M_{\theta\theta}$1.51±.14; $M_{\phi\phi}$-6.14±.11; $M_{r\theta}$-1.05±.09; $M_{\theta\phi}$-1.51±.09; $M_{\phi r}$0.87±.10; Best double couple: NP1: ϕ_s210.00000°,δ45.00000°,λ119.00000°. NP2:ϕ_s352.00000°,δ52.00000°,λ64.00000°. Principal axes: T 5.0990,Plg70.0000°,Azm200.0000°; N 1.3680,Plg20.0000°,Azm9.0000°; P -6.4670,Plg3.0000°,Azm100.0000° $M_0$5.78300×10^{16}
ISC VIII 30 12 30 02.3–.50 57.71S–.10 25.3W–.10 43 4.3b 46 17-150
IDC VIII 30 12 29 56.1–.71 57.63S 25.30W 0 4.5L,4.2b **¶621076516**
NEIC VIII 30 12 30 01.8–1.4 57.7S–.10 25.4W–.20 35–2 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 00 59 47.3–.39 57.26S–.07 25.77W–.08 35 4.7b,3.3s 76 7-153
NEIC VIII 30 00 59 47.7–1.2 57.26S–.10 25.8W–.20 35–1 4.8b,3.3s **¶621076475**
IDC VIII 30 00 59 49.6–6.0 57.29S 25.78W 55–53 4.1,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=15.3km az=33.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.7km s-min=17.6km az=66.0.
ISC VIII 30 01 31 56.5–.97 57.9S–.20 25.4W–.30 49 7 32-152
IDC VIII 30 01 31 49.6–.95 57.89S 25.36W 0 3.8b,3.8 **¶621076478**
ISC Event type se.
IDC Error ellipse: s-maj=48.5km s-min=29.9km az=89.0.
ISC VIII 30 17 51 10.3–.57 60.74S–.09 25.7W–.10 19 4.1b 31 9-154
IDC VIII 30 17 51 07.8–.64 60.56S 25.75W 0 4.1b,4.0 **¶621076536**
NEIC VIII 30 17 51 09.1–1.9 60.7S–.10 25.6W–.10 10–1 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 01 15 20.7–.40 58.42S–.07 25.59W–.08 50 4.6b,3.5s 69 7-153
NEIC VIII 31 01 15 22.6–1.1 58.44S–.10 25.6W–.20 66–6 4.6b,3.5s **¶621076550**
IDC VIII 31 01 15 22.9–4.4 58.35S 25.54W 67–39 4.5L,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.9km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.8km s-min=13.8km az=59.0.
ISC VIII 30 21 13 43.3–.48 55.50S–.08 26.56W–.08 38 4.7b 54 6-150
IDC VIII 30 21 13 38.2–.61 55.49S 26.48W 0 4.5b,4.5 **¶621076545**
NEIC VIII 30 21 13 39.7–1.7 55.5S–.10 26.5W–.20 10–1 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 01 20 21.0–.58 58.7S–.10 25.1W–.10 50 4.5b 29 8-153
NEIC VIII 31 01 20 19.6–1.7 58.6S–.10 25.2W–.10 35–2 4.5b **¶621076551**
IDC VIII 31 01 20 24.0–7.3 58.51S 25.31W 71–65 4.1,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=12.4km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.3km s-min=25.4km az=86.0.
ISC VIII 31 01 26 12.5–.57 57.90S–.10 25.46W–.09 49 4.5b 37 7-152
IDC VIII 31 01 26 05.7–1.1 57.75S 25.79W 0 3.8b,3.8 **¶621076552**
NEIC VIII 31 01 26 11.4–.81 57.9S–.10 25.4W–.20 35–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 05 40 59.1–.42 60.75S–.08 25.75W–.09 10 4.6b 71 9-154
IDC VIII 31 05 40 58.5–.53 60.62S 25.77W 0 4.5b,4.5 **¶621076581**
NEIC VIII 31 05 40 59.1–1.1 60.78S–.09 25.7W–.20 10–1 4.7b,4.5
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 18 52 06.5–.27 60.21S–.06 27.48W–.06 10 4.9b,4.2s 282 8-177
IDC VIII 30 18 52 05.2–.41 60.09S 27.45W 0 4.7b,4.7 **¶621237589**
NEIC VIII 30 18 52 06.8–2.3 60.21S–.09 27.6W–.20 10–1 5.0b,4.7
GFZ VIII 30 18 52 07.3–.15 60S–4.0 27W–3.0 10 4.9b,4.9
GCMT VIII 30 18 52 11.1–.20 60.56S–.03 27.26W–.03 12–1 4.9W,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108301852A. Moment Tensor Solution. s27,c30; s94,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.02±.14 $M_{\theta\theta}$0.06±.09; $M_{\phi\phi}$1.97±.10; $M_{r\theta}$-1.44±.37; $M_{\theta\phi}$1.05±.07; $M_{\phi r}$0.88±.28; Best double couple: NP1:ϕ_s51.00000°,δ50.00000°,λ-46.00000°. NP2:ϕ_s175.00000°,δ56.00000°,λ-129.00000°. Principal axes: T 2.4480,Plg4.0000°,Azm292.0000°; N 0.6350,Plg32.0000°,Azm199.0000°; P -3.0770,Plg58.0000°,Azm28.0000° $M_0$2.76200×10^{16}
ISC VIII 31 02 24 20.2–.78 58.0S–.10 23.6W–.10 16 4.4b 21 8-153
IDC VIII 31 02 24 18.9–2.2 57.81S 23.60W 0 3.8b,3.8 **¶621076555**
NEIC VIII 31 02 24 19.5–1.9 58.0S–.10 23.6W–.20 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 06 18 36.7–.43 58.02S–.05 25.59W–.05 52–3 5.2b,4.2s 438 7-175
NEIC VIII 31 06 18 36.7–1.2 58.01S–.08 25.7W–.20 52–6 5.2b,4.2s **¶621237603**
GFZ VIII 31 06 18 36.2–.19 58S–3.0 26W–4.0 41 5.4,5.2b
MOS VIII 31 06 18 37.0–.97 57.97S 25.67W 62 5.2b,5.2b
IDC VIII 31 06 18 38.0–1.6 57.93S 25.56W 60–12 5.0,4.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.6km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=22.5km s-min=11.4km az=107.9.
IDC Error ellipse: s-maj=15.1km s-min=11.4km az=55.0.
ISC VIII 31 02 45 04.5–.58 58.3S–.10 23.8W–.10 10 4.4b 29 8-153
NEIC VIII 31 02 45 04.5–.78 58.3S–.10 23.8W–.10 10–1 4.5b **¶621076557**
IDC VIII 31 02 45 05.1–1.1 58.20S 24.15W 0 4.0L,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=8.0km az=15.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.7km s-min=26.5km az=32.0.
ISC VIII 31 00 50 30.7–.81 58.8S–.10 24.8W–.10 35 4.3b 20 8-153
IDC VIII 31 00 50 24.8–1.2 58.64S 25.62W 0 3.9L,3.9 **¶621076549**
NEIC VIII 31 00 50 32.1–1.5 58.9S–.20 25.0W–.20 35–2 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 06 25 56.0–.68 56.7S–.10 25.0W–.10 40 4.3b 27 18-151
IDC VIII 31 06 25 50.2–.90 56.57S 24.46W 0 4.1b,4.1 **¶621076583**
NEIC VIII 31 06 25 53.0–1.3 56.8S–.10 25.2W–.20 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 31 13 46 33.2–1.6 59.68S 27.21W 0 4.4L,4.4b
¶621076612
IDC Error ellipse: s-maj=78.6km s-min=33.4km az=73.0.
ISC VIII 31 02 58 34.1–.67 58.3S–.10 24.97W–.10 35 4.5b 32 8-152
IDC VIII 31 02 58 28.8–1.2 58.01S 25.16W 0 4.2b,4.0 **¶621076559**
NEIC VIII 31 02 58 34.5–1.4 58.3S–.10 25.0W–.20 35–2 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 14 24 25.0–.23 56.98S–.05 25.08W–.05 10 5.4b,5.2s 429 7-177
IDC VIII 31 14 24 23.2–.35 56.87S 25.00W 0 5.0b,5.0 **¶622451803**
MOS VIII 31 14 24 23.9–.89 56.98S 25.25W 10 5.5b,4.9s
GFZ VIII 31 14 24 25.9 57.01S 25.35W 18 5.6W,4.9s
NEIC VIII 31 14 24 25.4–1.7 57.02S–.09 25.1W–.20 15–3 5.5b,5.2
NEIC VIII 31 14 24 25.9 57.03S 25.16W 18 5.5b,5.2
GFZ VIII 31 14 24 26.1–.27 57S–4.0 25W–5.0 10 5.5,5.4b
BJI VIII 31 14 24 27.4 57.00S 25.20W 25 5.6b,5.3s
GCMT VIII 31 14 24 31.7–.10 57.00S–.01 24.82W–.01 12–0 5.5W,5.3s
NEIC VIII 31 14 24 36.2 56.33S 25.53W 18 5.6,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=11.8km az=46.0.
MOS Error ellipse: s-maj=21.4km s-min=11.5km az=108.6.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.06 $M_{\theta\theta}$0.43 $M_{\phi\phi}$-2.49 $M_{r\theta}$0.84 $M_{\theta\phi}$0.55 $M_{\phi r}$-1.03 NP1: ϕ_s153.53779°,δ60.50958°,λ71.19050°. NP2:ϕ_s8.21760°,δ34.51751°,λ119.68758°. Principal axes: T 2.5297,Plg68.5467°,Azm24.9763°; N 0.3417,Plg16.2989°,Azm163.0564°; P -2.8715,Plg13.5639°,Azm257.1016° $M_0$2.71678×10^{17}
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=13.0km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108311424A. Moment Tensor Solution. s137,c242; s152,c317;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.03±.03 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-2.14±.02; $M_{r\theta}$-0.24±.07; $M_{\theta\phi}$0.66±.02; $M_{\phi r}$1.49±.07; Best double couple: NP1: ϕ_s160.00000°,δ28.00000°,λ83.00000°. NP2:ϕ_s349.00000°,δ62.00000°,λ94.00000°. Principal axes: T 2.5080,Plg72.0000°,Azm268.0000°; N 0.2890,Plg3.0000°,Azm167.0000°; P -2.7890,Plg17.0000°,Azm76.0000° $M_0$2.64800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}2.61 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.96 $M_{\theta\phi}$0.85 $M_{\phi r}$0.54 NP1:ϕ_s175.07000°,δ38.14000°,λ112.91000°. NP2:ϕ_s326.82000°,δ55.32000°,λ73.00000°. Principal axes: T 2.9234,Plg73.0000°,Azm190.0000°; N -0.0916,Plg14.0000°,Azm337.0000°; P -2.8318,Plg9.0000°,Azm69.0000° $M_0$2.88000×10^{17}
ISC VIII 31 10 44 53.3–.55 56.91S–.08 25.02W–.09 22 4.4b,3.5s 58 7-152
IDC VIII 31 10 44 50.8–.67 56.76S 24.81W 0 4.2b,4.2 **¶621076606**
NEIC VIII 31 10 44 51.2–1.2 57.0S–.10 24.9W–.10 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 14 29 39.6–.39 57.05S–.07 25.43W–.07 35 4.8b 79 7-176
IDC VIII 31 14 29 39.5–7.0 56.88S 25.45W 33–52 4.6,4.4L **¶621076615**
NEIC VIII 31 14 29 40.5–1.3 57.06S–.06 25.6W–.20 35–2 5.0b,4.4L
GCMT VIII 31 14 29 42.1–.30 57.06S–.03 24.91W–.04 30–0 5.2W,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108311429A. Moment Tensor Solution. s37,c42; s85,c112; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.92±.05 $M_{\theta\theta}$-0.20±.03; $M_{\phi\phi}$-0.72±.03; $M_{r\theta}$0.04±.04; $M_{\theta\phi}$0.15±.01; $M_{\phi r}$0.17±.03; Best double couple: NP1:ϕ_s162.00000°,δ40.00000°,λ84.00000°. NP2:ϕ_s350.00000°,δ50.00000°,λ95.00000°. Principal axes: T 0.9430,Plg83.0000°,Azm294.0000°; N -0.1660,Plg4.0000°,Azm167.0000°; P -0.7780,Plg5.0000°,Azm76.0000° $M_0$0.86100×10^{17}
ISC VIII 31 14 40 27.5–.58 56.81S–.09 24.6W–.10 10 4.2b 31 7-152
IDC VIII 31 14 40 26.4–.70 56.82S 24.79W 0 4.2b,4.2 **¶621076616**
NEIC VIII 31 14 40 28.1–.62 56.8S–.10 24.6W–.20 13–4 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 03 10 37.3–.68 57.5S–.10 24.3W–.10 10 4.6b,3.6s 24 8-152

IDC IX 01 03 10 36.8–1.4 57.65S 24.80W 0 3.8L,3.8b **¶621080592**
NEIC IX 01 03 10 37.9–1.7 57.5S–.10 24.3W–.10 10–1 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 18 26 58.9–.49 60.34S–.08 24.33W–.08 10 4.7b,3.6s 73 9-154
IDC VIII 31 18 26 58.0–.59 60.20S 24.49W 0 4.7L,4.3b **¶621076632**
NEIC VIII 31 18 26 58.1–1.6 60.12S–.04 24.1W–.20 10–1 4.8b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 31 20 18 20.6–1.8 58.60S 29.49W 0 3.8b,3.8 ¶621076637
IDC Error ellipse: s-maj=107.2km s-min=73.2km az=144.0.
ISC VIII 31 19 12 25.7–.86 55.4S–.10 27.3W–.10 10 4.1b 19 5-150
IDC VIII 31 19 12 24.0–1.0 55.28S 27.08W 0 4.0L,4.0b **¶621076633**
NEIC VIII 31 19 12 31.2–.54 55.6S–.20 27.5W–.20 42–10 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 19 44 03.6–.57 56.5S–.10 25.58W–.08 29 4.5b,3.6s 37 7-151
IDC VIII 31 19 43 59.4–.81 56.41S 25.50W 0 4.1b,4.1 **¶621076634**
NEIC VIII 31 19 44 01.0–1.7 56.6S–.10 25.4W–.20 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 09 01 13.0–.42 59.07S–.04 25.65W–.05 43–3 5.4b,5.2s 588 8-176
IDC IX 01 09 01 06.4–.36 59.00S 25.66W 0 5.1,5.0b **¶622451814**
MOS IX 01 09 01 10.3–.84 59.06S 25.64W 29 5.5b,5.0s
NEIC IX 01 09 01 11.9 59.05S 25.62W 30 5.5b,5.0s
NEIC IX 01 09 01 11.4–1.3 59.08S–.08 25.6W–.20 27–1 5.5b,5.4
NEIC IX 01 09 01 12.4 59.06S 25.60W 34 5.5b,5.4
NEIC IX 01 09 01 12.1 59.15S 25.03W 40 5.6,5.4
GFZ IX 01 09 01 14.4 59.14S 25.66W 38 5.5W,5.4
BJI IX 01 09 01 14.5 59.10S 25.70W 50 5.6s,5.4b
GFZ IX 01 09 01 14.4–.19 59S–3.0 26W–2.0 50–1 5.4,5.4b
GCMT IX 01 09 01 16.9–.10 59.26S–.01 24.90W–.01 41–0 5.6W,5.4b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.83 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$-1.29 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.41 $M_{\theta r}$0.35 NP1:ϕ_s18.33000°,δ50.45000°,λ83.88000°. NP2:ϕ_s207.89000°,δ39.95000°,λ97.35000°. Principal axes: T 1.8757,Plg83.0000°,Azm251.0000°; N -0.3752,Plg5.0000°,Azm22.0000°; P -1.5005,Plg5.0000°,Azm113.0000° $M_0$1.72000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.67 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-2.62 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.45 $M_{\theta r}$0.08 NP1:ϕ_s182.00000°,δ43.99000°,λ78.97000°. NP2:ϕ_s17.15000°,δ47.03000°,λ100.46000°. Principal axes: T 2.7203,Plg82.0000°,Azm358.0000°; N -0.0207,Plg8.0000°,Azm190.0000°; P -2.6995,Plg2.0000°,Azm100.0000° $M_0$2.71000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.56 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-2.47 $M_{r\theta}$-0.10 $M_{\theta\phi}$-0.36 $M_{\theta r}$0.22 NP1: ϕ_s191.16985°,δ42.78942°,λ94.09401°. NP2:ϕ_s5.59919°,δ47.34577°,λ86.21903°. Principal axes: T 2.5764,Plg86.4031°,Azm227.5913°; N -0.0436,Plg2.7798°,Azm8.1631°; P -2.5328,Plg2.2809°,Azm98.2739° $M_0$2.55487×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109010901A. Moment Tensor Solution. s137,c248; s144,c274;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.60±.04 $M_{\theta\theta}$0.34±.03; $M_{\phi\phi}$-2.94±.03; $M_{r\theta}$0.25±.04; $M_{\theta\phi}$-1.02±.02; $M_{\theta r}$0.36±.03; Best double couple: NP1: ϕ_s192.00000°,δ41.00000°,λ84.00000°. NP2:ϕ_s20.00000°,δ49.00000°,λ95.00000°. Principal axes: T 2.6400,Plg84.0000°,Azm331.0000°; N 0.6170,Plg4.0000°,Azm196.0000°; P -3.2620,Plg4.0000°,Azm106.0000° $M_0$2.95100×10^{17}
ISC IX 01 06 45 33.8–.97 60.7S–.20 25.1W–.30 10 3.8b 7 14-154
IDC IX 01 06 45 33.2–1.0 60.54S 25.42W 0 4.3L,4.0 **¶621080600**
ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=19.5km az=60.0.
ISC IX 01 06 49 48.3–1.8 60.5S–.30 24.8W–.40 10 3.9b 8 14-154
IDC IX 01 06 49 49.0–1.9 60.64S 25.70W 0 4.3L,3.9b **¶621080601**
ISC Event type se.
IDC Error ellipse: s-maj=76.1km s-min=18.3km az=56.0.
ISC IX 01 20 24 52.4–.00 57.7S–.20 25.0W–.20 15 3.8b 7 17-150
IDC IX 01 20 24 50.8–1.1 57.68S 25.20W 0 3.8b,3.8 **¶621080641**
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=24.4km az=56.0.
ISC IX 01 15 45 18.6–.63 57.03S–.10 25.0W–.10 22 4.5b 39 7-152
IDC IX 01 15 45 15.6–.77 57.03S 25.02W 0 4.3L,4.2b **¶621080631**
NEIC IX 01 15 45 16.9–2.3 57.0S–.20 24.8W–.20 10–1 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 15 47 32.4–.95 57.1S–.20 24.9W–.30 22 4.5b 7 17-152
IDC IX 01 15 47 29.0–1.0 57.07S 24.91W 0 4.3b,4.2 **¶621080632**
ISC Event type se.
IDC Error ellipse: s-maj=47.1km s-min=27.8km az=70.0.
ISC IX 01 16 47 20.5–.73 56.9S–.10 25.0W–.10 22 4.7b,3.6s 21 7-152
IDC IX 01 16 47 17.8–.84 56.90S 25.09W 0 4.3b,4.3 **¶621080634**
NEIC IX 01 16 47 18.1–1.7 56.9S–.20 24.6W–.20 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 10 02 18.5–.41 59.03S–.06 25.55W–.06 49–3 5.1b,4.2s 322 14-174
IDC IX 01 10 02 11.6–.36 58.98S 25.47W 0 4.8b,4.8 **¶621012721**
GFZ IX 01 10 02 13.8 58.97S 25.29W 55 4.9W,4.8
NEIC IX 01 10 02 18.3–1.2 59.03S–.10 25.6W–.20 43–7 5.1b,4.8
GFZ IX 01 10 02 19.4–.23 59S–3.0 26W–3.0 51–2 5.4,5.2b
GCMT IX 01 10 02 21.8–.30 59.36S–.02 25.17W–.04 42–1 5.0W,5.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.48 $M_{\theta\theta}$2.99 $M_{\phi\phi}$-1.51 $M_{r\theta}$0.98 $M_{\theta\phi}$-0.91 $M_{\theta r}$1.47 NP1: ϕ_s137.15754°,δ53.06099°,λ-28.01132°. NP2:ϕ_s244.88614°,δ67.95240°,λ-139.58050°. Principal axes: T 3.2728,Plg9.1787°,Azm7.9324°; N -0.0263,Plg44.8816°,Azm268.6722°; P -3.2465,Plg43.6600°,Azm106.8026° $M_0$3.25973×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109011002A. Moment Tensor Solution. s35,c43; s72,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.16±.29 $M_{\theta\theta}$2.75±.22; $M_{\phi\phi}$-4.91±.17; $M_{r\theta}$-1.31±.19; $M_{\theta\phi}$-0.07±.11; $M_{\theta r}$0.33±.15; Best double couple: NP1:ϕ_s219.00000°,δ62.00000°,λ152.00000°. NP2:ϕ_s323.00000°,δ66.00000°,λ31.00000°. Principal axes: T 3.8060,Plg39.0000°,Azm182.0000°; N 1.1200,Plg51.0000°,Azm357.0000°; P -4.9260,Plg3.0000°,Azm90.0000° $M_0$4.36600×10^{16}
ISC IX 01 05 24 25.2–.74 60.6S–.10 25.2W–.10 11 4.3b,3.5s 32 10-154
IDC IX 01 05 24 24.2–.88 60.61S 25.36W 0 4.7L,4.2 **¶621080597**
NEIC IX 01 05 24 25.2–1.0 60.6S–.10 25.1W–.20 10–2 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 05 43 55.3–.78 60.2S–.10 24.7W–.20 10 4.4b,3.2s 35 9-154
IDC IX 01 05 43 54.7–.90 60.07S 24.95W 0 4.6L,4.1 **¶621080598**
NEIC IX 01 05 43 55.1–1.2 60.2S–.10 24.6W–.30 10–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 06 06 05.8–.59 59.90S–.09 26.55W–.09 26 4.4b 44 8-153
IDC IX 01 06 06 02.7–.79 59.84S 26.78W 0 4.4L,4.2b **¶621080599**
NEIC IX 01 06 06 07.4–.76 59.90S–.07 26.6W–.20 35–2 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 13 48 52.3–.54 58.71S–.07 25.62W–.07 30–3 4.8b 141 7-174
IDC IX 01 13 48 47.4–.43 58.65S 25.65W 0 4.7L,4.5b **¶621080625**
NEIC IX 01 13 48 53.1–1.1 58.76S–.05 25.7W–.20 32–4 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 15 03 23.7–.69 57.1S–.10 25.0W–.10 22 4.2b 27 7-152
IDC IX 01 15 03 20.5–.87 57.06S 25.09W 0 4.2b,4.2 **¶621080630**
NEIC IX 01 15 03 22.5–1.4 57.2S–.10 25.0W–.20 10–1 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 06 05 22.5–.27 59.04S–.05 25.79W–.06 39–3 5.0b,3.9s 276 8-174
GFZ IX 02 06 05 19.4–.16 59S–3.0 26W–3.0 10 5.1b,5.1 **¶621022467**
NEIC IX 02 06 05 21.9–1.1 59.05S–.09 25.6W–.20 37–6 4.9b,5.1
IDC IX 02 06 05 22.7–2.1 59.00S 25.72W 40–17 5.5L,4.9
GCMT IX 02 06 05 25.1–.40 59.22S–.03 25.19W–.05 58–2 4.9W,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109020605A. Moment Tensor Solution. s38,c52; s48,c60; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.59±.20 $M_{\theta\theta}$0.64±.16; $M_{\phi\phi}$-3.22±.12; $M_{r\theta}$0.23±.12; $M_{\theta\phi}$-0.02±.11; $M_{\theta r}$0.95±.14; Best double couple: NP1:ϕ_s174.00000°,δ36.00000°,λ80.00000°. NP2:ϕ_s6.00000°,δ54.00000°,λ97.00000°. Principal axes: T 2.7660,Plg79.0000°,Azm304.0000°; N 0.6120,Plg6.0000°,Azm182.0000°; P -3.3730,Plg9.0000°,Azm91.0000° $M_0$3.06900×10^{16}
ISC IX 02 01 18 54.7–.53 57.70S–.09 25.77W–.09 65 4.5b 45 7-152
IDC IX 02 01 18 46.3–.65 57.54S 25.81W 0 4.2b,4.2 **¶621080652**
NEIC IX 02 01 18 54.3–.71 57.7S–.10 25.9W–.20 56–9 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 23 14 52.4–.41 58.00S–.07 25.46W–.09 49 4.7b 89 7-154
NEIC IX 01 23 14 52.0–1.6 58.0S–.10 25.3W–.20 40–7 4.8b **¶621080644**
IDC IX 01 23 14 54.9–5.4 57.98S 25.47W 66–48 4.6L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.5km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=15.2km az=64.0.
ISC IX 02 06 17 18.0–.48 59.02S–.06 25.73W–.06 53–4 4.9b,3.7s 184 8-158
GFZ IX 02 06 17 13.2–.26 59S–5.0 26W–6.0 10 5.0b,5.0 **¶621240937**
IDC IX 02 06 17 17.6–4.2 59.01S 25.78W 48–38 5.2L,4.7
NEIC IX 02 06 17 17.5–.97 59.07S–.09 25.7W–.20 49–8 4.9b,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 22 12 47.0–.41 58.91S–.08 25.25W–.08 10 4.7b,3.6s 58 8-153
IDC IX 02 22 12 45.7–.70 58.84S 25.09W 0 4.5L,4.3b **¶621080706**
NEIC IX 02 22 12 48.7–1.1 58.93S–.10 25.3W–.10 19–4 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 12 01 55.5–.53 59.41S–.08 25.2W–.10 27 4.7b,3.8s 88 8-153
NEIC IX 02 12 01 50.8–2.3 59.63S–.06 24.6W–.20 10–1 4.6b,3.8s **¶621023697**
IDC IX 02 12 01 52.6–.57 59.30S 25.67W 0 4.5L,4.3
GFZ IX 02 12 01 52.9–.58 59S–9.0 25W–11 10 5.3,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC IX 02 08 47 28.3–.40 58.98S–.06 25.71W–.06 54–3 4.9b,4.1s 186 8-174
GFZ IX 02 08 47 23.8–.27 59S–5.0 26W–5.0 10 5.0b,5.0 **¶621240938**
IDC IX 02 08 47 27.7–3.7 58.94S 25.65W 49–33 4.7L,4.6
NEIC IX 02 08 47 28.5–1.2 58.94S–.09 25.6W–.20 62–8 4.8b,4.6
GCMT IX 02 08 47 29.8–.30 59.21S–.03 25.11W–.04 43–1 5.0W,4.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109020847A. Moment Tensor Solution. s48,c64; s65,c79; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.19 $M_{\theta\theta}$1.09±.15; $M_{\phi\phi}$-3.83±.12; $M_{r\theta}$-1.02±.14; $M_{\theta\phi}$-0.47±.09; $M_{\theta r}$0.44±.13; Best double couple: NP1:ϕ_s210.00000°,δ48.00000°,λ127.00000°. NP2:ϕ_s342.00000°,δ53.00000°,λ57.00000°. Principal axes: T 3.2780,Plg64.0000°,Azm191.0000°; N 0.6150,Plg26.0000°,Azm3.0000°; P -3.8940,Plg3.0000°,Azm95.0000° $M_0$3.58600×10^{16}
ISC IX 02 18 29 14.0–.70 60.32S–.09 27.0W–.10 35 4.4b 39 9-153
IDC IX 02 18 29 09.5–.74 60.12S 26.84W 0 4.5L,4.1 **¶621080697**
NEIC IX 02 18 29 11.3–1.5 60.3S–.10 27.2W–.20 10–2 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 03 01 44 53.8–1.1 59.8S–.20 26.2W–.30 16 3.6b 6 15-150
IDC IX 03 01 44 51.6–1.2 59.73S 26.55W 0 3.8L,3.7b **¶621081541**
ISC Event type se.
IDC Error ellipse: s-maj=48.6km s-min=24.0km az=79.0.
ISC IX 03 07 49 42.9–.20 59.92S–.04 26.80W–.05 8 5.5b,5.3s 631 8-179
IDC IX 03 07 49 41.8–.33 59.86S 26.75W 0 5.3b,5.2L **¶622451855**
MOS IX 03 07 49 42.0–.99 59.93S 26.79W 7 5.8b,5.2s
GFZ IX 03 07 49 44.0–.19 60S–4.0 27W–4.0 10 5.8,5.6b
ISC-P IX 03 07 49 43 59.93S 26.75W 8–0 6.2,5.6b
NEIC IX 03 07 49 43.5–1.1 59.93S–.09 26.8W–.20 7–3 5.6,5.6b
BJI IX 03 07 49 44.0 59.90S 26.70W 15 5.7b,5.5s
GFZ IX 03 07 49 44.5 60.06S 26.86W 12 5.6W,5.5s
NEIC IX 03 07 49 45 59.93S 26.70W 16 5.6W,5.5s
GCMT IX 03 07 49 48.2–.10 60.19S 26.22W 12 5.6W,5.5s
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=11.5km az=57.0.
MOS Error ellipse: s-maj=19.5km s-min=9.8km az=100.9.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC-P Moment Tensor Solution. s26 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.47±.07 $M_{\theta\theta}$0.37±.18; $M_{\phi\phi}$0.10±.17; $M_{r\theta}$0.27±.12; $M_{\theta\phi}$-0.38±.14; $M_{\theta r}$-0.32±.16; NP1:ϕ_s104.80000°,δ27.70000°,λ238.80000°. NP2:ϕ_s319.10000°,δ66.60000°,λ-74.80000°. $M_0$2.16000×10^{18}
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=12.6km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.40 $M_{\theta\theta}$1.92 $M_{\phi\phi}$0.48 $M_{r\theta}$0.64 $M_{\theta\phi}$-0.85 $M_{\theta r}$0.09 NP1:ϕ_s287.05000°,δ52.03000°,λ-99.57000°. NP2:ϕ_s122.37000°,δ38.98000°,λ-77.98000°. Principal axes: T 2.3756,Plg7.0000°,Azm24.0000°; N 0.1352,Plg8.0000°,Azm293.0000°; P -2.5108,Plg80.0000°,Azm155.0000° $M_0$2.45000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.09 $M_{\theta\theta}$2.77 $M_{\phi\phi}$0.32 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.71 $M_{\theta r}$0.55 NP1: ϕ_s115.70001°,δ43.35818°,λ-74.06415°. NP2:ϕ_s274.25931°,δ48.68698°,λ-104.53449°. Principal axes: T 2.9724,Plg2.7116°,Azm14.4926°; N 0.2506,Plg10.8654°,Azm283.9717°; P -3.2230,Plg78.7934°,Azm118.3228° $M_0$3.10531×10^{17}
NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109030749A. Moment Tensor Solution. s135,c228; s155,c323;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.06±.02 $M_{\theta\theta}$2.68±.02; $M_{\phi\phi}$0.38±.02; $M_{r\theta}$0.58±.07; $M_{\theta\phi}$-0.60±.02; $M_{\phi r}$-0.55±.07; Best double couple: NP1:ϕ_s97.00000° ,δ39.00000°,λ-100.00000°. NP2:ϕ_s291.00000°,δ52.00000°,λ-82.00000°. Principal axes: T 2.9090,Plg7.0000°,Azm15.0000°; N 0.2780,Plg6.0000°,Azm106.0000° ; P -3.1860,Plg81.0000°,Azm239.0000° $M_0$3.04800×10^{17}

ISC	**IX**	**03 00 06 16.7–.31**	**58.78S–.04**	**25.84W–.04**	**46–2**	**5.5b,5.1s**	**844**	**7-176**	
GFZ	IX	03 00 06 13.2	58.76S	25.73W	48	5.5W,5.1s			**¶621240941**
MOS	IX	03 00 06 14.2–.83	58.82S	25.76W	34	5.6b,4.9s			
NEIC	IX	03 00 06 16.3	58.84S	25.73W	36	5.6b,4.9s			
NEIC	IX	03 00 06 16.7	58.87S	25.80W	38	5.6b,4.9s			
NEIC	IX	03 00 06 16.5	58.44S	24.96W	50	5.5,4.9s			
NEIC	IX	03 00 06 16.1–1.8	58.82S–.07	25.73W–.10	35–3	5.5b,5.5			
IDC	IX	03 00 06 16.9–.95	58.71S	25.60W	46–7	5.5L,5.3			
GFZ	IX	03 00 06 18.4–.37	59S–3.0	26W–2.0	52–3	5.7,5.5b			
GCMT	IX	03 00 06 19.7–.10	58.99S–.01	24.98W–.01	51–0	5.5W,5.5b			
PTWC	IX	03 00 06 20	58.90S	25.60W	80	5.7,5.5b			

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$0.15 $M_{\phi\phi}$-2.11 $M_{r\theta}$-0.30 $M_{\theta\phi}$0.13 $M_{\phi r}$0.45 NP1: ϕ_s185.09927°,δ39.17081°,λ102.96892°. NP2:ϕ_s348.55495°,δ52.01009°,λ79.63826°. Principal axes: T 2.0543,Plg79.5572°,Azm213.9931°; N 0.1186,Plg8.1493°,Azm354.9763° ; P -2.1729,Plg6.4857°,Azm85.9090° $M_0$2.11607×10^{17}

MOS Error ellipse: s-maj=18.6km s-min=9.1km az=105.4.

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.26 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-1.98 $M_{r\theta}$-0.74 $M_{\theta\phi}$0.25 $M_{\phi r}$0.32 NP1:ϕ_s184.72000°,δ40.88000° ,λ111.45000°. NP2:ϕ_s337.25000°,δ52.47000°,λ72.43000°. Principal axes: T 2.4723,Plg75.0000°,Azm192.0000°; N -0.4120,Plg14.0000°,Azm348.0000° ; P -2.0602,Plg6.0000°,Azm80.0000° $M_0$2.29000×10^{17}

NEIC Event type se. Error ellipse: s-maj=11.1km s-min=4.7km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.10 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-2.04 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.47 $M_{\phi r}$0.11 NP1:ϕ_s346.28000°,δ46.61000°,λ88.49000°. NP2:ϕ_s168.47000°,δ43.41000° ,λ91.59000°. Principal axes: T 2.1075,Plg88.0000°,Azm223.0000°; N 0.0442,Plg1.0000° ,Azm347.0000°; P -2.1517,Plg2.0000°,Azm77.0000° $M_0$2.13000×10^{17}

IDC Error ellipse: s-maj=13.8km s-min=10.1km az=50.0.

GFZ Error ellipse: s-maj=6.6km s-min=4.9km az=24.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109030006A. Moment Tensor Solution. s143,c266; s146,c281;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.05±.03 $M_{\theta\theta}$0.37±.02; $M_{\phi\phi}$-2.42±.02; $M_{r\theta}$-0.30±.02; $M_{\theta\phi}$0.04±.02; $M_{\phi r}$0.44±.02; Best double couple: NP1: ϕ_s189.00000°,δ40.00000°,λ105.00000°. NP2:ϕ_s350.00000°,δ51.00000°,λ78.00000°. Principal axes: T 2.1430,Plg79.0000°,Azm210.0000°; N 0.3240,Plg9.0000°,Azm358.0000° ; P -2.4650,Plg6.0000°,Azm89.0000° $M_0$2.30400×10^{17}

PTWC SOUTH SANDWICH ISLANDS REGION.

ISC	**IX**	**03 08 23 29.5–1.5**	**57.2S–.30**	**23.0W–.40**	**10**	**3.7b**	**6**	**17-153**	
IDC	IX	03 08 23 28.6–1.4	57.18S	23.22W	0	4.1L,3.9b			**¶621081557**

ISC Event type se.

IDC Error ellipse: s-maj=67.4km s-min=24.7km az=58.0.

IDC	**IX**	**03 11 09 44.5–2.6**	**56.40S**	**24.22W**	**0**	**4.0b,3.9**			**¶621081565**

IDC Error ellipse: s-maj=118.9km s-min=25.5km az=62.0.

ISC	**IX**	**03 00 56 41.5–.48**	**59.45S–.08**	**25.84W–.08**	**10**	**4.6b,4.0s**	**70**	**8-153**	
IDC	IX	03 00 56 40.3–.58	59.50S	26.12W	0	5.2L,4.5			**¶621081539**
NEIC	IX	03 00 56 41.8–2.0	59.41S–.08	25.8W–.10	10–1	4.6b,4.5			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**04 01 57 32.3–.78**	**59.8S–.10**	**25.6W–.10**	**10**	**4.2b**	**26**	**15-153**	
IDC	IX	04 01 57 31.7–1.0	59.77S	25.90W	0	4.6L,4.2			**¶621081612**
NEIC	IX	04 01 57 32.7–.91	59.7S–.10	25.6W–.40	10–2	4.5b,4.2			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**03 16 50 33.9–.46**	**57.78S–.08**	**25.01W–.08**	**40**	**4.6b,3.9s**	**61**	**7-154**	
IDC	IX	03 16 50 28.0–.59	57.69S	24.99W	0	4.3L,4.3b			**¶621081578**
NEIC	IX	03 16 50 34.5–1.3	57.9S–.10	25.0W–.20	44–5	4.7b,4.3b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**03 18 14 58.1–.48**	**58.60S–.09**	**25.54W–.09**	**38**	**4.4b,3.7s**	**65**	**7-153**	
IDC	IX	03 18 14 52.9–.75	58.47S	25.15W	0	4.6L,4.2b			**¶621081584**
NEIC	IX	03 18 14 57.0–1.6	58.6S–.10	25.5W–.20	26–3	4.5b,4.2b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**03 09 59 35.7–1.0**	**59.6S–.20**	**25.8W–.30**	**40**	**4.2b**	**11**	**15-153**	
IDC	IX	03 09 59 30.4–1.1	59.48S	25.99W	0	4.9L,4.3			**¶621081562**

ISC Event type se.

IDC Error ellipse: s-maj=47.6km s-min=17.0km az=59.0.

ISC	**IX**	**04 05 15 32.1–.55**	**58.75S–.08**	**24.57W–.09**	**10**	**4.4b,3.8s**	**40**	**10-139**	
IDC	IX	04 05 15 30.6–.79	58.69S	24.57W	0	4.7L,4.2b			**¶621081619**
NEIC	IX	04 05 15 36.9–1.5	58.8S–.10	24.7W–.20	42–9	4.4b,4.2b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**IX**	**04 01 16 46.2–1.4**	**57.74S**	**23.35W**	**0**	**4.2b,4.2**			**¶621081599**

IDC Error ellipse: s-maj=47.7km s-min=36.4km az=70.0.

ISC	**IX**	**04 05 19 29.0–1.6**	**58.5S–.20**	**24.3W–.40**	**10**	**3.7b**	**6**	**16-153**	
IDC	IX	04 05 19 28.8–1.8	58.59S	24.80W	0	3.9L,3.8			**¶621081620**

ISC Event type se.

IDC Error ellipse: s-maj=72.5km s-min=23.8km az=64.0.

ISC	**IX**	**04 13 55 56.4–.40**	**58.05S–.08**	**25.32W–.08**	**49**	**4.5b,3.7s**	**82**	**7-154**	
IDC	IX	04 13 55 50.0–.51	57.90S	25.25W	0	4.6L,4.4b			**¶621081636**
NEIC	IX	04 13 55 53.7–1.9	58.1S–.10	25.4W–.30	26–6	4.7b,4.4b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**04 07 44 28.0–.34**	**58.99S–.07**	**25.58W–.07**	**35**	**4.9b,3.9s**	**111**	**8-164**	
IDC	IX	04 07 44 29.3–4.2	59.03S	25.84W	47–38	5.1L,4.6			**¶621240946**
NEIC	IX	04 07 44 29.0–1.1	59.0S–.10	25.6W–.20	45–8	4.9b,4.6			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**04 07 46 19.4–.43**	**59.08S–.08**	**25.58W–.08**	**50**	**4.7b,3.8s**	**54**	**8-158**	
IDC	IX	04 07 46 12.1–.56	58.88S	25.73W	0	5.3L,4.5			**¶621081624**
NEIC	IX	04 07 46 20.2–1.4	59.0S–.10	25.6W–.20	56–8	4.7b,4.5			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**04 16 13 07.1–.40**	**58.94S–.06**	**25.57W–.06**	**40–3**	**5.0b,3.8s**	**233**	**8-174**	
IDC	IX	04 16 13 01.3–.38	58.92S	25.61W	0	4.9b,4.8			**¶621240949**
GFZ	IX	04 16 13 02.7–.18	59S–4.0	25W–3.0	10	5.2,5.1b			
NEIC	IX	04 16 13 08.1–2.0	59.09S–.09	25.7W–.20	45–5	5.1b,5.1b			
GCMT	IX	04 16 13 10.3–.40	59.34S–.03	25.09W–.05	48–1	4.9W,5.1b			

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109041613A. Moment Tensor Solution. s37,c45; s50,c68; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.23±.20 $M_{\theta\theta}$0.63±.17; $M_{\phi\phi}$-2.87±.12; $M_{r\theta}$-1.10±.12; $M_{\theta\phi}$0.03±.10; $M_{\phi r}$0.31±.10; Best double couple: NP1:ϕ_s204.00000°,δ47.00000° ,λ128.00000°. NP2:ϕ_s335.00000°,δ54.00000°,λ56.00000°. Principal axes: T 2.8030,Plg63.0000°,Azm186.0000°; N 0.0820,Plg27.0000°,Azm356.0000° ; P -2.8910,Plg4.0000°,Azm88.0000° $M_0$2.84700×10^{16}

ISC	**IX**	**04 16 38 27.6–.59**	**58.67S–.09**	**25.40W–.10**	**10**	**4.5b,3.9s**	**37**	**8-153**	
IDC	IX	04 16 38 26.8–.78	58.51S	25.14W	0	4.7L,4.3b			**¶621081641**
NEIC	IX	04 16 38 29.4–2.3	58.71S–.09	25.3W–.20	28–7	4.5b,4.3b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**04 17 11 24.7–.61**	**58.1S–.10**	**23.9W–.10**	**10**	**4.6b,3.3s**	**26**	**8-153**	
NEIC	IX	04 17 11 24.2–1.2	58.2S–.10	23.8W–.20	10–2	4.5b,3.3s			**¶621081643**
IDC	IX	04 17 11 25.0–1.1	57.80S	24.08W	0	4.6b,4.5			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=24.0km s-min=4.7km az=36.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=40.1km s-min=29.7km az=50.0.

ISC	**IX**	**05 01 30 45.8–.96**	**58.9S–.20**	**27.7W–.20**	**10**	**3.8b**	**12**	**14-152**	
IDC	IX	05 01 30 44.7–1.0	58.87S	27.74W	0	4.9L,4.2			**¶621041370**

ISC Event type se.

IDC Error ellipse: s-maj=35.8km s-min=21.9km az=67.0.

ISC	**IX**	**04 19 32 45.0–.80**	**57.93S–.10**	**24.5W–.10**	**24**	**4.1b**	**23**	**16-152**	
NEIC	IX	04 19 32 41.7–1.6	57.9S–.10	24.1W–.40	10–1	4.3b			**¶621081650**
IDC	IX	04 19 32 42.4–.98	57.87S	24.74W	0	4.1L,4.0b			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=33.5km s-min=16.8km az=256.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=36.3km s-min=22.7km az=67.0.

ISC	**IX**	**04 23 31 55.9–.46**	**59.43S–.08**	**26.13W–.08**	**35**	**4.6b,4.0s**	**61**	**8-154**	
IDC	IX	04 23 31 54.8–.57	59.77S	26.76W	0	5.0L,4.3b			**¶621081660**
NEIC	IX	04 23 31 55.3–2.0	59.5S–.10	26.00W–.08	35–1	4.6b,4.3b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**05 02 03 21.7–.38**	**58.53S–.08**	**23.87W–.08**	**10**	**4.9b,3.5s**	**107**	**8-157**	
IDC	IX	05 02 03 20.3–.47	58.38S	23.96W	0	4.4b,4.4			**¶621041422**
NEIC	IX	05 02 03 22.0–1.6	58.6S–.10	23.9W–.10	10–1	4.9b,4.4			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**05 05 26 34.0–.25**	**56.74S–.05**	**25.63W–.06**	**8**	**5.4b,5.2s**	**372**	**7-168**	
BJI	IX	05 05 26 31.8	56.80S	25.60W	5	5.5b,5.4s			**¶621035477**
IDC	IX	05 05 26 32.3–.39	56.60S	25.38W	0	5.0s,4.9b			
GFZ	IX	05 05 26 35.0	56.71S	25.65W	19	5.5W,4.9b			
GFZ	IX	05 05 26 34.8–.24	57S–4.0	26W–4.0	10	5.5,5.4b			
NEIC	IX	05 05 26 34.6	56.78S	25.68W	15	5.5,5.4b			
ISC-P	IX	05 05 26 35	56.77S	25.66W	8–1	6.1,5.4b			
NEIC	IX	05 05 26 35.3–1.0	56.77S–.09	25.7W–.20	20–4	5.5b,5.2			
NEIC	IX	05 05 26 35.2	56.18S	25.14W	24	5.5,5.2			
MOS	IX	05 05 26 36.8–1.2	56.74S	25.78W	41	5.5b,4.8s			
GCMT	IX	05 05 26 41.0–.10	56.72S–.01	25.22W–.01	18–0	5.5W,4.8s			

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.86 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.90 $M_{r\theta}$1.34 $M_{\theta\phi}$0.22 $M_{\phi r}$-0.79 NP1: ϕ_s146.81775°,δ63.92168°,λ64.94002°. NP2:ϕ_s13.58457°,δ35.54666°,λ130.87409°. Principal axes: T 2.6448,Plg62.3966°,Azm16.5474°; N -0.4595,Plg22.3613°,Azm158.4331° ; P -2.1853,Plg15.3366°,Azm254.9111° $M_0$2.44760×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se.

ISC-P Moment Tensor Solution. s30 Moment tensor: Scale 10^{18}Nm; M_{rr}0.41±.08 $M_{\theta\theta}$0.84±.20; $M_{\phi\phi}$-0.25±.15; $M_{r\theta}$-0.15±.24; $M_{\theta\phi}$0.01±.14; $M_{\phi r}$-0.11±.11; NP1:ϕ_s229.20000°,δ78.30000° ,λ167.10000°. NP2:ϕ_s321.80000°,δ77.30000°,λ12.00000°. $M_0$1.58000×10^{18}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.74 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-2.35 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.55 $M_{\phi r}$1.20 NP1:ϕ_s160.07000°,δ31.00000° ,λ75.30000°. NP2:ϕ_s357.09000°,δ60.12000°,λ98.67000°. Principal axes: T 2.0778,Plg73.0000°,Azm289.0000°; N 0.6822,Plg8.0000°,Azm173.0000° ; P -2.7600,Plg15.0000°,Azm81.0000° $M_0$2.49000×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109050526A. Moment Tensor Solution. s130,c229; s136,c277;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.64±.03 $M_{\theta\theta}$0.25±.02; $M_{\phi\phi}$-1.89±.02; $M_{r\theta}$0.09±.05; $M_{\theta\phi}$0.37±.02; $M_{\phi r}$1.19±.05; Best double couple: NP1: ϕ_s160.00000°,δ29.00000°,λ73.00000°. NP2:ϕ_s359.00000°,δ62.00000°,λ99.00000°. Principal axes: T 2.0250,Plg71.0000°,Azm290.0000°; N 0.2720,Plg8.0000°,Azm175.0000° ; P -2.2960,Plg17.0000°,Azm82.0000° $M_0$2.16100×10^{17}

ISC	**IX**	**05 10 27 53.0–1.1**	**58.7S–.20**	**25.0W–.20**	**28**	**4.1b**	**10**	**14-153**	
IDC	IX	05 10 27 48.9–1.1	58.52S	25.27W	0	4.1L,4.1b			**¶621035501**

ISC Event type se.

IDC Error ellipse: s-maj=42.4km s-min=24.5km az=78.0.

ISC	**IX**	**05 06 17 40.4–.65**	**57.4S–.10**	**24.9W–.10**	**15**	**4.2b**	**23**	**7-152**	
IDC	IX	05 06 17 38.0–1.0	57.29S	25.20W	0	4.1b,4.1			**¶621041407**
NEIC	IX	05 06 17 43.3–.61	57.5S–.10	25.0W–.20	35–2	4.2b,4.1			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**05 06 19 50.3–.64**	**57.47S–.09**	**25.2W–.10**	**15**	**4.0b**	**24**	**7-152**	
IDC	IX	05 06 19 48.0–1.1	57.33S	25.05W	0	4.0b,4.0			**¶621086386**
NEIC	IX	05 06 19 53.6–1.2	57.54S–.08	25.3W–.20	35–2	4.0b,4.0			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**05 10 29 04.4–.31**	**59.34S–.06**	**25.36W–.07**	**32**	**5.0b,4.3s**	**223**	**10-174**	
IDC	IX	05 10 29 00.0–.41	59.26S	25.40W	0	4.9L,4.9b			**¶621086400**
NEIC	IX	05 10 29 00.9–1.1	59.29S–.08	25.3W–.10	10–1	5.0b,4.9b			
GFZ	IX	05 10 29 01.8–.28	59S–5.0	25W–6.0	10	5.3b,5.3			
GCMT	IX	05 10 29 08.8–.40	59.43S–.03	24.64W–.04	30–0	5.0W,5.3			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109051029A. Moment Tensor Solution. s23,c25; s62,c78; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.53±.27 $M_{\theta\theta}$-0.65±.19; $M_{\phi\phi}$-2.88±.19; $M_{r\theta}$-1.36±.22; $M_{\theta\phi}$1.36±.09; $M_{\phi r}$0.96±.18; Best double couple: NP1:ϕ_s166.00000°,δ35.00000° ,λ109.00000°. NP2:ϕ_s323.00000°,δ57.00000°,λ77.00000°. Principal axes: T 3.9790,Plg74.0000°,Azm198.0000°; N -0.1610,Plg11.0000°,Azm330.0000° ; P -3.8180,Plg11.0000°,Azm62.0000° $M_0$3.89800×10^{16}

ISC	**IX**	**05 10 39 05.6–.52**	**58.66S–.08**	**25.3W–.10**	**38**	**4.1b**	**44**	**14-153**	
IDC	IX	05 10 39 00.3–1.0	58.44S	24.98W	0	4.5L,4.0b			**¶621086402**
NEIC	IX	05 10 39 05.5–1.2	58.7S–.10	25.26W–.07	35–1	4.3b,4.0b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**05 10 46 27.1–.78**	**60.1S–.10**	**27.0W–.10**	**34**	**4.0b**	**17**	**13-153**	
IDC	IX	05 10 46 22.9–.85	59.94S	27.20W	0	4.6L,4.1b			**¶621041343**

ISC Event type se.

IDC Error ellipse: s-maj=30.9km s-min=16.5km az=58.0.

ISC	**IX**	**05 10 56 25.8–.94**	**58.3S–.10**	**25.4W–.30**	**38**	**4.0b**	**12**	**14-152**	
IDC	IX	05 10 56 20.3–.99	58.16S	25.49W	0	4.7L,4.1			**¶621086405**

ISC Event type se.

IDC Error ellipse: s-maj=43.4km s-min=21.9km az=73.0.

ISC	**IX**	**05 11 26 04.4–.76**	**58.6S–.10**	**24.9W–.20**	**28**	**3.7b**	**16**	**14-153**	
IDC	IX	05 11 26 00.5–.85	58.55S	24.97W	0	4.1L,3.9b			**¶621041411**

ISC Event type se.

IDC Error ellipse: s-maj=38.1km s-min=19.9km az=67.0.

ISC	**IX**	**05 09 59 03.9–.21**	**58.66S–.04**	**25.21W–.05**	**28**	**5.3b,5.2s**	**594**	**10-174**	
BJI	IX	05 09 59 00.8	58.70S	25.20W	10	5.5s,5.4b			**¶621309532**

PTWC IX 05 09 59 02 58.60S 25.00W 18 5.8,5.4b
GFZ IX 05 09 59 02.3 58.68S 25.16W 30 5.6W,5.4b
MOS IX 05 09 59 02.4–.83 58.69S 25.23W 25 5.6b,5.0s
IPGP IX 05 09 59 02.0 58.71S 25.17W 33 5.6W,5.0s
GFZ IX 05 09 59 03.9–.49 59S–3.0 25W–3.0 24–3 5.4,5.4b
NEIC IX 05 09 59 03.9 58.61S 24.62W 30 5.6,5.4b
NEIC IX 05 09 59 03.5 58.71S 25.20W 23 5.6,5.4b
IDC IX 05 09 59 04.5–1.7 58.60S 25.16W 29–11 5.2,5.1s
NEIC IX 05 09 59 04.0–1.4 58.73S–.09 25.2W–.20 27–1 5.3b,5.2
GCMT IX 05 09 59 09.0–.10 58.78S–.01 24.43W–.01 29–0 5.6W,5.2
ISC Event type se.
PTWC SOUTH SANDWICH ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.71 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-2.62 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.73 $M_{\phi r}$-0.88 NP1: ϕ_s179.76748°,δ54.13931°,λ71.34210°. NP2:ϕ_s29.72648°,δ39.83867°,λ113.87355°. Principal axes: T 3.0156,Plg73.1739°,Azm38.3705°; N -0.1158,Plg15.0270°,Azm190.9566° ; P -2.8999,Plg7.3955°,Azm282.9535° M_o2.95945×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s216.00000°,δ38.00000°,λ102.00000°. NP2:ϕ_s21.00000° ,δ53.00000°,λ81.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}2.81 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-2.59 $M_{r\theta}$0.79 $M_{\theta\phi}$-0.71 $M_{\phi r}$-0.01 NP1:ϕ_s181.93000°,δ44.65000° ,λ69.79000°. NP2:ϕ_s29.29000°,δ48.74000°,λ108.84000°. Principal axes: T 3.0123,Plg76.0000°,Azm8.0000°; N -0.2141,Plg14.0000°,Azm197.0000° ; P -2.7982,Plg2.0000°,Azm106.0000° M_o2.91000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109050959A. Moment Tensor Solution. s129,c243; s134,c257;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.55±.04 $M_{\theta\theta}$0.30±.03; $M_{\phi\phi}$-2.85±.03; $M_{r\theta}$0.50±.06; $M_{\theta\phi}$-1.03±.02; $M_{\phi r}$0.88±.05; Best double couple: NP1: ϕ_s190.00000°,δ36.00000°,λ80.00000°. NP2:ϕ_s22.00000°,δ55.00000°,λ97.00000°. Principal axes: T 2.7370,Plg79.0000°,Azm319.0000°; N 0.5840,Plg6.0000°,Azm198.0000° ; P -3.3210,Plg10.0000°,Azm107.0000° M_o3.02900×10^{17}

ISC IX 05 15 28 56.7–.59 58.61S–.09 25.1W–.10 28 4.2b 37 8-153
IDC IX 05 15 28 52.4–.99 58.43S 24.95W 0 4.3L,4.0b **¶621041333**
NEIC IX 05 15 28 58.2–.87 58.6S–.10 25.2W–.20 35–2 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 05 10 16 31.5–.61 58.54S–.09 25.1W–.10 28 4.2b 39 14-153
IDC IX 05 10 16 27.8–.85 58.39S 25.07W 0 4.4s,4.3L **¶621041413**
NEIC IX 05 10 16 32.7–1.7 58.58S–.05 25.1W–.30 35–2 4.3b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 05 10 17 56.3–.41 58.68S–.07 25.13W–.09 28 4.8s,4.5b 91 14-153
IDC IX 05 10 17 51.6–.55 58.55S 25.90W 0 4.4L,4.3 **¶621041386**
NEIC IX 05 10 17 57.8–.91 58.6S–.10 25.08W–.06 35–2 4.7b,4.3
GCMT IX 05 10 18 01.1–.40 58.82S–.03 24.31W–.05 38–1 5.0W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109051017A. Moment Tensor Solution. s16,c18; s69,c82; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.07±.42 $M_{\theta\theta}$0.89±.26; $M_{\phi\phi}$-3.96±.23; $M_{r\theta}$-0.44±.24; $M_{\theta\phi}$-1.09±.20; $M_{\phi r}$1.93±.14; Best double couple: NP1:ϕ_s211.00000°,δ35.00000° ,λ120.00000°. NP2:ϕ_s356.00000°,δ60.00000°,λ71.00000°. Principal axes: T 3.7440,Plg69.0000°,Azm227.0000°; N 0.8770,Plg16.0000°,Azm6.0000° ; P -4.6190,Plg13.0000°,Azm100.0000° M_o4.18200×10^{16}

ISC IX 05 12 33 29.4–1.0 59.3S–.20 25.0W–.30 27 9 13-153
IDC IX 05 12 33 27.7–1.1 58.59S 25.11W 0 4.2L,4.0 **¶621086409**
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=27.9km az=70.0.

ISC IX 05 13 47 43.9–.37 58.70S–.07 24.89W–.09 28 4.5b,3.6s 162 8-156
IDC IX 05 13 47 39.8–.51 58.55S 25.08W 0 4.4b,4.4 **¶621041389**
NEIC IX 05 13 47 45.8–1.1 58.65S–.10 25.0W–.20 35–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 05 20 37 37.8–.93 60.4S–.10 24.9W–.10 11 4.1b 25 10-154
IDC IX 05 20 37 37.7–1.1 60.39S 25.46W 0 4.8L,4.1 **¶621041394**
NEIC IX 05 20 37 38.6–1.2 60.3S–.10 25.1W–.20 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 05 20 56 59.4–.80 58.61S–.10 25.1W–.10 28 4.4b 37 8-154
IDC IX 05 20 56 57.4–1.2 58.70S 26.27W 0 4.7L,4.0 **¶621086420**
NEIC IX 05 20 56 58.8–2.1 58.6S–.10 25.0W–.10 28–7 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 05 21 00 43.0–.43 59.41S–.07 25.83W–.09 40 4.8b 91 8-153
IDC IX 05 21 00 37.4–.63 59.31S 25.98W 0 5.2L,4.5 **¶621041371**
NEIC IX 05 21 00 43.1–1.2 59.4S–.10 25.9W–.20 35–2 4.9b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 05 18 38 58.5–.79 59.5S–.10 26.0W–.10 40 4.2b 30 8-153
NEIC IX 05 18 38 59.9–2.5 59.7S–.20 26.4W–.60 36–18 4.4b **¶621041395**
IDC IX 05 18 39 00.4–7.7 59.43S 25.58W 63–68 5.0L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=51.0km s-min=13.5km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.5km s-min=22.0km az=55.0.

ISC IX 06 08 19 43.1–.32 58.82S–.04 25.43W–.04 33–1 5.4b,5.3s 599 8-174
IDC IX 06 08 19 38.3–.35 58.68S 25.12W 0 5.2b,5.2 **¶622451926**
BJI IX 06 08 19 41.5 58.70S 24.92W 32 5.6s,5.5
MOS IX 06 08 19 41.6–1.0 58.84S 25.36W 30 5.6b,5.1s
NEIC IX 06 08 19 42.3–1.0 58.78S–.08 25.22W–.09 28–1 5.4b,5.3
IPGP IX 06 08 19 43.0 58.82S 25.21W 29 5.7W,5.3
GFZ IX 06 08 19 43.9 58.87S 25.33W 29 5.7W,5.3
GFZ IX 06 08 19 43.9–.41 59S–3.0 25W–3.0 34–3 5.5,5.4b
NEIC IX 06 08 19 43.5 58.81S 25.23W 35 5.5,5.4b
NEIC IX 06 08 19 44.1 58.41S 24.65W 30 5.6,5.4b
GCMT IX 06 08 19 47.9–.10 58.90S–.01 24.50W–.01 30–0 5.7W,5.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IPGP Moment Tensor Solution. NP1:ϕ_s174.00000°,δ38.00000°,λ83.00000°. NP2:ϕ_s2.00000° ,δ52.00000°,λ95.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.63 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-3.56 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.19 $M_{\phi r}$2.05 NP1: ϕ_s182.10355°,δ30.13390°,λ88.37048°. NP2:ϕ_s3.98754°,δ59.87955°,λ90.94568°. Principal axes: T 4.1761,Plg75.1019°,Azm276.5892°; N -0.0607,Plg0.8180°,Azm183.5129° ; P -4.1154,Plg14.8746°,Azm93.2957° M_o4.14612×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}3.37 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-3.34 $M_{r\theta}$-0.44 $M_{\theta\phi}$-0.23 $M_{\phi r}$0.65 NP1:ϕ_s191.77000°,δ40.32000° ,λ102.06000°. NP2:ϕ_s356.12000°,δ50.74000°,λ79.95000°. Principal axes: T 3.4895,Plg81.0000°,Azm217.0000°; N -0.0792,Plg8.0000°,Azm3.0000° ; P -3.4103,Plg5.0000°,Azm93.0000° M_o3.45000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109060819A. Moment Tensor Solution. s143,c279; s144,c308;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.63±.04 $M_{\theta\theta}$0.45±.03; $M_{\phi\phi}$-4.08±.03; $M_{r\theta}$0.01±.06; $M_{\theta\phi}$-0.64±.03; $M_{\phi r}$1.45±.06; Best double couple: NP1: ϕ_s191.00000°,δ35.00000°,λ95.00000°. NP2:ϕ_s5.00000°,δ55.00000°,λ86.00000°. Principal axes: T 3.8970,Plg79.0000°,Azm260.0000°; N 0.5300,Plg3.0000°,Azm7.0000° ; P -4.4250,Plg10.0000°,Azm97.0000° M_o4.16100×10^{17}

ISC IX 06 08 23 24.6–.44 58.65S–.06 25.17W–.07 31–2 4.8b 115 8-158
IDC IX 06 08 23 20.2–.49 58.67S 25.16W 0 5.2L,4.8b **¶621094238**
NEIC IX 06 08 23 24.4–1.1 58.66S–.07 25.1W–.10 29–4 4.9b,4.8b
GCMT IX 06 08 23 30.1–.20 58.89S–.02 24.77W–.03 35–0 5.4W,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109060823A. Moment Tensor Solution. s55,c72; s95,c138; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.06 $M_{\theta\theta}$-0.41±.04; $M_{\phi\phi}$-1.43±.04; $M_{r\theta}$0.04±.04; $M_{\theta\phi}$-0.20±.02; $M_{\phi r}$0.02±.03; Best double couple: NP1:ϕ_s189.00000°,δ45.00000° ,λ89.00000°. NP2:ϕ_s12.00000°,δ45.00000°,λ91.00000°. Principal axes: T 1.8410,Plg89.0000°,Azm346.0000°; N -0.3790,Plg1.0000°,Azm191.0000° ; P -1.4660,Plg0.0000°,Azm101.0000° M_o1.65400×10^{17}

ISC IX 06 08 42 30.3–.60 58.58S–.09 24.6W–.10 10 4.5b 49 8-153
IDC IX 06 08 42 30.0–.77 58.58S 25.10W 0 4.8L,4.2b **¶621094240**
NEIC IX 06 08 42 30.2–1.1 58.6S–.10 24.6W–.20 10–1 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 06 09 45 51.0–.47 58.70S–.09 25.07W–.10 35 4.4b,3.6s 61 8-154
IDC IX 06 09 45 46.1–.59 58.63S 25.18W 0 4.8L,4.2b **¶621094246**
NEIC IX 06 09 45 50.7–2.2 58.7S–.10 25.0W–.20 35–2 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 06 17 48 31.5–.70 56.78S–.10 25.5W–.10 10 4.5b 28 7-151
IDC IX 06 17 48 29.9–.93 56.83S 25.66W 0 4.4b,4.3 **¶621094270**
NEIC IX 06 17 48 31.2–2.0 56.6S–.20 25.1W–.20 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 06 09 54 20.8–.69 58.72S–.09 25.2W–.10 28 4.5b 31 8-153
IDC IX 06 09 54 17.0–.89 58.68S 25.23W 0 4.3L,4.1 **¶621094248**
NEIC IX 06 09 54 19.0–1.2 58.8S–.10 25.1W–.30 14–6 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 06 10 11 49.5–2.0 58.5S–.30 24.9W–.40 10 3.9b 6 16-153
IDC IX 06 10 11 49.5–2.1 58.58S 25.43W 0 3.9L,3.8b **¶621094249**
ISC Event type se.
IDC Error ellipse: s-maj=79.2km s-min=28.6km az=58.0.

ISC IX 06 10 54 21.9–.42 58.80S–.07 25.11W–.08 35 4.5b 64 8-153
IDC IX 06 10 54 17.2–.52 58.65S 25.11W 0 4.5L,4.4b **¶621094250**
NEIC IX 06 10 54 22.0–1.9 58.84S–.09 25.1W–.20 35–1 4.6b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 06 13 25 08.5–1.2 59.1S–.20 25.3W–.40 10 6 16-153
IDC IX 06 13 25 06.5–1.2 58.91S 25.47W 0 4.3b,4.1 **¶621094257**
ISC Event type se.
IDC Error ellipse: s-maj=68.8km s-min=29.5km az=85.0.

ISC IX 07 01 52 54.8–.29 58.51S–.06 25.31W–.07 38 4.8b,4.4s 181 8-158
IDC IX 07 01 52 49.3–.44 58.41S 25.37W 0 4.9L,4.7b **¶621043222**
NEIC IX 07 01 52 54.7–1.7 58.52S–.09 25.3W–.20 35–5 5.0b,4.7b
GCMT IX 07 01 52 57.3–.20 58.59S–.01 24.68W–.02 41–0 5.1W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109070152A. Moment Tensor Solution. s65,c94; s112,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.67±.15 $M_{\theta\theta}$-1.11±.11; $M_{\phi\phi}$-2.56±.12; $M_{r\theta}$-3.04±.11; $M_{\theta\phi}$2.83±.07; $M_{\phi r}$0.90±.09; Best double couple: NP1:ϕ_s166.00000°,δ34.00000° ,λ131.00000°. NP2:ϕ_s300.00000°,δ65.00000°,λ66.00000°. Principal axes: T 5.1750,Plg62.0000°,Azm172.0000°; N 0.3440,Plg21.0000°,Azm311.0000° ; P -5.5190,Plg16.0000°,Azm47.0000° M_o5.34700×10^{16}

ISC IX 06 20 24 32.2–.68 59.60S–.10 26.1W–.10 40 4.1b 27 8-153
IDC IX 06 20 24 26.4–.76 59.49S 26.11W 0 4.2b,4.2 **¶621094280**
NEIC IX 06 20 24 32.4–1.0 59.7S–.10 26.3W–.10 35–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 07 02 08 47.6–.56 58.26S–.09 24.91W–.09 28 4.2b 31 14-152
IDC IX 07 02 08 44.8–1.5 58.28S 25.09W 0 4.2L,4.1 **¶621043202**
NEIC IX 07 02 08 48.8–1.9 58.2S–.10 24.9W–.20 35–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 07 06 16 29.2–.69 59.6S–.10 25.9W–.10 40 4.3b 40 9-153
IDC IX 07 06 16 24.3–1.1 59.50S 25.85W 0 4.8L,4.1 **¶621043214**
NEIC IX 07 06 16 29.3–.85 59.5S–.10 25.8W–.10 35–2 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 08 00 08 06.2–.76 58.70S–.10 25.1W–.10 28 4.0b 25 16-153
IDC IX 08 00 08 02.3–.97 58.65S 25.22W 0 4.1L,4.0b **¶621105749**
NEIC IX 08 00 08 08.0–1.2 58.71S–.10 25.2W–.10 35–2 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 07 10 22 06.6–1.1 59.46S–.08 25.96W–.08 26–7 4.8b 99 8-153
IDC IX 07 10 22 02.8–.62 59.40S 26.00W 0 5.1L,4.7s **¶621043198**
NEIC IX 07 10 22 08.1–.78 59.46S–.07 26.00W–.10 35–1 4.9b,4.7s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 07 06 50 39.5–1.6 57.1S–.30 25.2W–.40 22 3.9b,3.3s 10 15-152
IDC IX 07 06 50 33.7–1.7 56.63S 24.77W 0 4.1L,3.9 **¶621094305**
ISC Event type se.
IDC Error ellipse: s-maj=74.0km s-min=23.1km az=58.0.

ISC IX 08 10 59 08.5–.58 58.05S–.09 24.94W–.09 40 4.2b 36 7-152
IDC IX 08 10 59 02.9–.71 57.99S 25.07W 0 4.4L,4.2b **¶621105776**
NEIC IX 08 10 59 07.8–1.6 58.0S–.10 24.7W–.20 35–2 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 08 02 29 06.5–.65 58.82S–.10 23.75W–.09 10 4.5b 34 11-153
IDC IX 08 02 29 05.1–.90 58.67S 23.70W 0 5.1L,4.2 **¶621105756**
NEIC IX 08 02 29 06.6–1.4 58.88S–.05 23.7W–.20 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 08 16 38 06.4–1.1 58.4S–.20 25.8W–.40 10 3.9b 8 16-152
IDC IX 08 16 38 05.2–1.1 58.33S 26.21W 0 4.1b,4.1 **¶621105785**
ISC Event type se.
IDC Error ellipse: s-maj=68.3km s-min=26.0km az=89.0.

ISC IX 08 16 39 12.1–1.1 58.5S–.20 25.5W–.20 35 4.0b 9 16-152
IDC IX 08 16 39 10.3–.93 58.38S 26.17W 0 4.3L,4.2 **¶621105786**
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=24.3km az=75.0.

ISC IX 09 04 37 03.8–.28 58.63S–.06 25.07W–.06 28 5.0b,4.3s 229 8-155
IDC IX 09 04 36 59.3–.41 58.52S 25.15W 0 4.7b,4.7 **¶621044114**
GFZ IX 09 04 37 01.6–.22 59S–4.0 25W–4.0 10 5.7b,5.2
NEIC IX 09 04 37 01.8–1.4 58.64S–.09 25.0W–.20 10–1 5.1b,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 08 15 21 42.3–.61 60.5S–.10 24.9W–.10 11 4.3b 28 14-154
IDC IX 08 15 21 40.6–.84 60.39S 25.07W 0 4.3L,4.2b **¶621105781**
NEIC IX 08 15 21 42.9–1.4 60.6S–.10 24.9W–.30 10–1 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 08 12 11 31.4–.55 60.13S–.09 27.41W–.09 10 4.3b 34 9-153
IDC IX 08 12 11 29.5–.86 59.99S 27.53W 0 4.1L,4.1b **¶621105777**
NEIC IX 08 12 11 34.2–1.3 60.1S–.10 27.5W–.20 26–6 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 08 20 05 58.6–1.3 60.7S–.20 26.0W–.40 10 4.3b 6 14-154
IDC IX 08 20 05 57.0–1.3 60.74S 26.02W 0 4.3b,4.3 **¶621105791**
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=20.4km az=80.0.
ISC IX 08 21 42 15.0–.35 58.37S–.07 25.48W–.08 38 4.7b,4.6s 94 7-158
IDC IX 08 21 42 09.4–.49 58.28S 25.59W 0 4.5b,4.5 **¶621105797**
NEIC IX 08 21 42 17.1–1.4 58.40S–.10 25.5W–.20 54–5 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 15 04 17.1–.52 59.11S–.09 26.00W–.10 50 4.7b,3.7s 58 8-153
IDC IX 09 15 04 10.8–.68 59.02S 26.01W 0 4.5L,4.4b **¶621105887**
NEIC IX 09 15 04 16.7–1.7 59.1S–.10 25.9W–.20 39–7 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 09 20 13.5–.74 59.7S–.10 26.3W–.10 61 4.1b 20 9-153
IDC IX 09 09 20 06.0–.96 59.45S 26.43W 0 4.4L,4.1 **¶621105868**
NEIC IX 09 09 20 11.4–1.1 59.6S–.10 26.2W–.20 35–2 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 03 47 13.0–.21 58.62S–.05 25.04W–.05 28 5.3b,5.0s 390 8-174
IDC IX 09 03 47 08.0–.34 58.45S 25.01W 0 5.1L,5.1b **¶621240968**
GFZ IX 09 03 47 10.5–.28 59S–5.0 25W–5.0 10 5.7b,5.6
MOS IX 09 03 47 12.1–1.3 58.70S 25.30W 28 5.4b,5.6
NEIC IX 09 03 47 14.5–.92 58.70S–.09 25.1W–.20 44–5 5.3,5.3b
GCMT IX 09 03 47 18.5–.10 58.74S–.01 24.59W–.02 29–0 5.4W,5.3b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090347A. Moment Tensor Solution. s104,c168; s134,c241;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$0.32±.02; $M_{\phi\phi}$-1.11±.02; $M_{r\theta}$-0.40±.03; $M_{\theta\phi}$0.01±.01; $M_{\phi r}$1.18±.04; Best double couple: NP1: ϕ_s202.00000°,δ22.00000°,λ127.00000°. NP2:ϕ_s343.00000°,δ72.00000°,λ76.00000°. Principal axes: T 1.4710,Plg60.0000°,Azm233.0000°; N 0.2230,Plg13.0000°,Azm347.0000° ; P -1.6910,Plg26.0000°,Azm84.0000° $M_0$1.58100×10^{17}
ISC IX 09 03 54 17.8–.49 58.69S–.06 25.39W–.07 31–3 4.8b 146 8-155
IDC IX 09 03 54 12.9–.41 58.56S 25.25W 0 4.5L,4.5b **¶621105835**
NEIC IX 09 03 54 18.3–1.3 58.81S–.10 25.4W–.20 35–1 5.0b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 04 04 30.5–.65 58.7S–.10 25.1W–.10 28 4.4b 24 8-153
IDC IX 09 04 04 26.2–1.1 58.55S 24.97W 0 4.1L,4.1b **¶621105836**
NEIC IX 09 04 04 31.7–1.1 58.78S–.07 25.1W–.10 35–2 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 23 54 28.6–1.1 59.6S–.20 26.7W–.30 10 3.7b 6 15-150
IDC IX 09 23 54 27.2–1.2 59.54S 26.95W 0 4.2L,4.0 **¶621105920**
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=22.5km az=74.0.
ISC IX 09 12 58 57.5–.28 59.32S–.07 25.27W–.06 10 5.0b,4.2s 221 8-158
IDC IX 09 12 58 56.1–.41 59.27S 25.28W 0 5.0L,4.8b **¶621049361**
GFZ IX 09 12 58 57.9–.20 59S–5.0 25W–4.0 10 6.0b,5.6
NEIC IX 09 12 58 57.6–2.0 59.35S–.09 25.3W–.20 10–1 5.1b,5.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 20 57 20.0–.46 60.26S–.09 26.8W–.10 19 4.8b,4.0s 53 8-152
IDC IX 09 20 57 17.7–.69 60.10S 26.97W 0 5.0L,4.3b **¶621105905**
NEIC IX 09 20 57 18.8–1.8 60.3S–.10 26.9W–.30 10–1 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 18 24 26.1–.43 59.40S–.07 25.71W–.08 32 4.6b,3.7s 57 8-158
NEIC IX 09 18 24 26.7–1.5 59.3S–.10 25.6W–.20 41–7 4.7b,3.7s **¶621105901**
IDC IX 09 18 24 29.4–.66 59.18S 25.93W 57–5 4.5,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=13.9km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.1km s-min=17.0km az=83.0.
ISC IX 10 16 07 59.5–.50 57.97S–.08 25.11W–.10 50 4.5b 46 7-152
IDC IX 10 16 07 52.8–.61 57.87S 25.03W 0 4.3b,4.3 **¶621070620**
NEIC IX 10 16 08 00.4–1.7 58.0S–.10 25.2W–.20 58–5 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 09 22 56 39.6–2.0 58.75S 27.28W 0 3.9L,3.8b
¶621105915
IDC Error ellipse: s-maj=111.9km s-min=32.4km az=90.0.
ISC IX 10 04 53 50.5–.63 58.7S–.10 25.1W–.10 35 4.1b 33 10-154
IDC IX 10 04 53 45.5–.72 58.66S 25.52W 0 4.1b,4.1 **¶621108484**
NEIC IX 10 04 53 50.6–2.5 58.6S–.20 25.1W–.30 35–2 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 14 02 02.1–.88 59.2S–.10 24.4W–.20 10 4.4b 33 13-153
NEIC IX 10 14 02 01.2–.76 59.2S–.10 24.1W–.10 10–2 4.4b **¶621070651**
IDC IX 10 14 02 03.6–.97 59.59S 25.71W 0 4.7L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=8.1km az=14.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.2km s-min=20.0km az=72.0.
ISC IX 11 12 43 56.0–.39 57.44S–.07 26.17W–.08 65 4.7b 107 7-150
GFZ IX 11 12 43 51.0–.30 57S–5.0 27W–6.0 10 5.1b,4.7b **¶621069789**
IDC IX 11 12 43 53.6–4.9 57.34S 25.97W 43–44 4.5,4.4L
NEIC IX 11 12 43 55.1–1.1 57.4S–.10 25.9W–.20 62–9 4.7b,4.4L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 17 07 17.1–.48 60.52S–.05 26.66W–.05 19–1 5.5b,5.2s 510 8-165
IDC IX 10 17 07 14.8–.34 60.43S 26.68W 0 5.3L,5.1b **¶621059033**
NEIC IX 10 17 07 15.4–1.7 60.55S–.08 26.6W–.20 10–1 5.6b,5.2
MOS IX 10 17 07 15.4–2.3 60.50S 26.60W 10 5.5b,5.2s
NEIC IX 10 17 07 15.5 60.59S 26.58W 10 5.5b,5.2s
NEIC IX 10 17 07 15.9 60.39S 25.56W 20 5.5,5.2s
BJI IX 10 17 07 16.6 60.50S 26.50W 10 5.4s,5.4b
GFZ IX 10 17 07 21.4 60.50S 26.57W 33 5.6W,5.4b
GFZ IX 10 17 07 21.4–.26 60S–3.0 27W–2.0 44–2 6.2b,5.9
GCMT IX 10 17 07 22.5–.10 60.79S–.01 25.80W–.01 12–0 5.5W,5.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.37 $M_{\theta\theta}$0.02 $M_{\phi\phi}$1.34 $M_{r\theta}$-0.33 $M_{\theta\phi}$1.18 $M_{\phi r}$0.96 NP1:ϕ_s59.15000°,δ42.48000° ,λ-43.01000°. NP2:ϕ_s183.67000°,δ62.57000°,λ-123.81000°. Principal axes: T 2.1696,Plg11.0000°,Azm297.0000°; N -0.2276,Plg30.0000°,Azm201.0000° ; P -1.9420,Plg58.0000°,Azm46.0000° $M_0$2.07000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77 $M_{\theta\theta}$0.11 $M_{\phi\phi}$1.66 $M_{r\theta}$0.02 $M_{\theta\phi}$1.61 $M_{\phi r}$1.98 NP1: ϕ_s188.06681°,δ68.45004°,λ-115.91789°. NP2:ϕ_s60.98302°,δ33.22245°,λ-42.09882°. Principal axes: T 3.2674,Plg19.3781°,Azm297.1914°; N -0.4258,Plg23.9870°,Azm198.1875° ; P -2.8416,Plg58.3489°,Azm61.9822° $M_0$3.07665×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109101707A. Moment Tensor Solution. s116,c191; s143,c258;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.02 $M_{\theta\theta}$-0.67±.02; $M_{\phi\phi}$1.09±.02; $M_{r\theta}$0.04±.05; $M_{\theta\phi}$1.62±.02; $M_{\phi r}$0.18±.05; Best double couple: NP1:ϕ_s76.00000° ,δ85.00000°,λ1.00000°. NP2:ϕ_s346.00000°,δ89.00000°,λ175.00000°. Principal axes: T 2.0650,Plg4.0000°,Azm301.0000°; N -0.4250,Plg85.0000°,Azm152.0000° ; P -1.6390,Plg2.0000°,Azm31.0000° $M_0$1.85200×10^{17}
ISC IX 11 03 34 03.5–1.1 60.6S–.10 24.8W–.30 10 4.1b 13 12-150
IDC IX 11 03 33 59.4–.89 60.31S 26.94W 0 4.4L,4.2b **¶621108554**
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=18.1km az=71.0.
ISC IX 11 10 55 42.1–.50 58.82S–.08 25.32W–.09 35 4.2b 49 8-150
IDC IX 11 10 55 37.4–.62 58.67S 25.40W 0 4.4L,4.2b **¶621072270**
NEIC IX 11 10 55 43.9–1.3 58.8S–.10 25.3W–.20 54–9 4.3b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 17 50 04.0–.33 57.99S–.06 25.37W–.07 35 4.6b 117 7-158
NEIC IX 10 17 50 04.2–1.4 58.06S–.10 25.3W–.20 36–5 4.8b **¶621070604**
IDC IX 10 17 50 06.2–4.7 58.01S 25.45W 51–41 4.6L,4.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.1km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=14.3km az=57.0.
ISC IX 11 09 10 47.5–.31 55.99S–.05 27.89W–.06 83–2 5.1b 282 5-158
GFZ IX 11 09 10 47.2–.33 56S–4.0 28W–4.0 68–2 5.6b,5.5 **¶621069776**
IDC IX 11 09 10 47.3–.70 55.94S 27.85W 80–5 4.8,4.5b
NEIC IX 11 09 10 47.2–1.0 56.0S–.10 27.9W–.20 80–7 5.2b,4.5b
GCMT IX 11 09 10 49.7–.20 56.01S–.01 27.60W–.03 70–2 5.1W,4.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109110910A. Moment Tensor Solution. s49,c60; s99,c142; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.28±.23 $M_{\theta\theta}$-0.42±.25; $M_{\phi\phi}$1.70±.22; $M_{r\theta}$-4.33±.13; $M_{\theta\phi}$4.11±.18; $M_{\phi r}$-0.64±.13; Best double couple: NP1:ϕ_s176.00000°,δ43.00000° ,λ-169.00000°. NP2:ϕ_s78.00000°,δ82.00000°,λ-48.00000°. Principal axes: T 6.3660,Plg25.0000°,Azm136.0000°; N -0.3530,Plg42.0000°,Azm251.0000° ; P -6.0120,Plg38.0000°,Azm25.0000° $M_0$6.18900×10^{16}
ISC IX 11 09 23 04.0–.28 59.60S–.04 26.45W–.04 45–2 5.4b,5.0s 635 9-177
MOS IX 11 09 23 01.5–.86 59.56S 26.30W 33 5.5b,5.0s **¶621069779**
BJI IX 11 09 23 02.0 59.60S 26.40W 38 5.5b,5.4s
NEIC IX 11 09 23 03.7–1.1 59.61S–.08 26.4W–.20 41–6 5.4b,5.0
GFZ IX 11 09 23 04.5 59.63S 26.46W 45 5.4W,5.0
GFZ IX 11 09 23 04.5–.49 60S–4.0 26W–3.0 38–4 5.9b,5.5
NEIC IX 11 09 23 05.6 59.63S 26.42W 56 5.9b,5.5
IDC IX 11 09 23 05.5–1.4 59.58S 26.50W 56–11 5.2,5.0b
NEIC IX 11 09 23 06 59.83S 25.63W 46 5.5,5.0b
GCMT IX 11 09 23 08.5–.10 59.89S–.01 25.75W–.01 49–0 5.5W,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-1.38 $M_{r\theta}$-0.61 $M_{\theta\phi}$-0.76 $M_{\phi r}$0.41 NP1: ϕ_s228.19463°,δ48.47380°,λ126.68482°. NP2:ϕ_s359.86129°,δ53.10360°,λ55.99521°. Principal axes: T 1.7645,Plg63.2923°,Azm208.2319°; N -0.0398,Plg26.5677°,Azm21.9106° ; P -1.7247,Plg2.5367°,Azm113.1800° $M_0$1.74494×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.70 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-1.73 $M_{r\theta}$-0.20 $M_{\theta\phi}$-0.80 $M_{\phi r}$0.28 NP1:ϕ_s212.46000°,δ43.28000° ,λ106.49000°. NP2:ϕ_s10.33000°,δ48.90000°,λ75.03000°. Principal axes: T 1.7699,Plg78.0000°,Azm215.0000°; N 0.2760,Plg11.0000°,Azm20.0000° ; P -2.0459,Plg3.0000°,Azm111.0000° $M_0$1.92000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109110923A. Moment Tensor Solution. s130,c223; s144,c266;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.62±.03 $M_{\theta\theta}$0.16±.03; $M_{\phi\phi}$-1.78±.02; $M_{r\theta}$-0.46±.02; $M_{\theta\phi}$-0.91±.02; $M_{\phi r}$0.47±.02; Best double couple: NP1: ϕ_s224.00000°,δ46.00000°,λ124.00000°. NP2:ϕ_s0.00000°,δ54.00000°,λ61.00000°. Principal axes: T 1.8980,Plg66.0000°,Azm210.0000°; N 0.2640,Plg23.0000°,Azm19.0000° ; P -2.1620,Plg4.0000°,Azm111.0000° $M_0$2.03000×10^{17}
ISC IX 10 19 28 34.7–.53 58.02S–.06 25.45W–.07 43–4 4.9b 94 7-152
IDC IX 10 19 28 28.7–.67 57.89S 25.60W 0 4.2L,4.2b **¶621070607**
NEIC IX 10 19 28 34.2–1.4 58.0S–.10 25.3W–.10 35–3 5.0b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 05 09 09.3–.64 60.49S–.10 26.5W–.10 20 4.5b 30 9-150
IDC IX 11 05 09 07.0–.93 60.42S 26.79W 0 4.3L,4.3b **¶621072326**
NEIC IX 11 05 09 08.7–1.2 60.4S–.10 26.7W–.20 10–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 13 17 45.3–.47 58.89S–.08 25.17W–.09 18 4.6b,4.0s 49 8-150
IDC IX 11 13 17 43.1–.61 58.90S 25.35W 0 4.9L,4.5 **¶621072310**
NEIC IX 11 13 17 44.0–2.4 58.88S–.10 25.0W–.20 10–1 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 09 37 29.1–.48 60.25S–.08 26.50W–.09 20 4.3b,4.0s 40 8-152
IDC IX 11 09 37 26.4–.77 60.00S 26.97W 0 4.8L,4.2 **¶621072312**
NEIC IX 11 09 37 27.8–1.0 60.26S–.09 26.42W–.05 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 17 17 13.5–.54 57.07S–.09 25.4W–.10 35 4.5b,3.4s 47 7-152
IDC IX 11 17 17 08.6–.67 56.99S 25.23W 0 4.3b,4.3 **¶621072332**
NEIC IX 11 17 17 14.1–1.2 57.13S–.05 25.3W–.20 40–7 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 13 07 35 27.2–.86 59.7S–.10 25.9W–.20 40 3.9b 14 13-153
IDC IX 13 07 35 21.8–.94 59.47S 26.16W 0 4.4L,4.0 **¶621073226**
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=19.2km az=63.0.

ISC	**IX**	**11 21 18 26.7–.58**	**58.21S–.10**	**25.8W–.20**	**64**	**4.3b**	**28**	**15-152**	
IDC	IX	11 21 18 19.0–.93	58.06S	25.86W	0	4.1L,3.9b			**¶621072261**
NEIC	IX	11 21 18 24.0–1.3	58.17S–.08	25.7W–.40	35–2	4.6b,3.9b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**11 22 24 19.2–.64**	**57.7S–.10**	**25.2W–.10**	**50**	**4.3b**	**33**	**7-152**	
IDC	IX	11 22 24 12.5–.75	57.69S	25.57W	0	4.1b,4.0			**¶621108603**
NEIC	IX	11 22 24 19.8–.73	57.7S–.10	25.1W–.20	55–7	4.4b,4.0			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**11 23 00 00.9–.55**	**60.1S–.10**	**28.1W–.10**	**10**	**4.4b,3.8s**	**38**	**13-152**	
NEIC	IX	11 23 00 00.7–1.4	60.1S–.10	28.0W–.30	10–1	4.5b,3.8s			**¶621108604**
IDC	IX	11 23 00 01.1–.88	59.79S	27.90W	0	4.3b,4.3			
ISC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=27.3km s-min=16.5km az=239.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=38.9km s-min=19.6km az=62.0.							
ISC	**IX**	**13 01 45 41.1–.40**	**59.78S–.07**	**26.48W–.08**	**26**	**4.9b,3.8s**	**77**	**8-153**	
IDC	IX	13 01 45 37.1–.66	59.70S	26.58W	0	4.8L,4.3			**¶621073293**
NEIC	IX	13 01 45 42.1–1.2	59.82S–.09	26.4W–.20	35–1	5.1b,4.3			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**13 02 34 02.1–.35**	**59.75S–.06**	**26.25W–.07**	**26**	**4.9b,4.2s**	**120**	**8-158**	
IDC	IX	13 02 33 57.6–.57	59.67S	26.30W	0	4.9L,4.5b			**¶621073283**
NEIC	IX	13 02 34 04.5–1.5	59.84S–.09	26.3W–.20	48–3	5.1b,4.5b			
GCMT	IX	13 02 34 06.6–.30	60.10S–.02	25.83W–.03	36–1	5.0W,4.5b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109130234A. Moment Tensor Solution. s41,c57; s90,c112; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.20±.26 $M_{\theta\theta}$1.04±.16; $M_{\phi\phi}$-4.24±.16; $M_{r\theta}$-1.52±.16; $M_{\theta\phi}$-1.38±.11; $M_{\phi r}$1.66±.15; Best double couple: NP1:ϕ_s222.00000°,δ44.00000°,λ136.00000°. NP2:ϕ_s347.00000°,δ61.00000°,λ55.00000°. Principal axes: T 4.4960,Plg58.0000°,Azm207.0000°; N 0.2930,Plg30.0000°,Azm5.0000° ; P -4.7890,Plg10.0000°,Azm101.0000° $M_0$4.64300×10^{16}								
ISC	**IX**	**13 02 46 33.0–.33**	**57.06S–.06**	**27.47W–.07**	**200**	**4.5b**	**148**	**6-151**	
NEIC	IX	13 02 46 30.8–1.7	57.06S–.10	27.3W–.20	174–5	4.7b			**¶621073237**
IDC	IX	13 02 46 31.9–1.4	56.98S	27.23W	182–10	4.6,4.1b			
ISC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=15.9km s-min=12.4km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=15.6km s-min=10.4km az=68.0.							
ISC	**IX**	**12 20 17 56.4–.68**	**61.20S–.09**	**27.2W–.10**	**10**	**4.3b**	**32**	**9-153**	
IDC	IX	12 20 17 55.5–.83	61.04S	27.06W	0	4.6L,4.2			**¶621109673**
NEIC	IX	12 20 17 56.7–2.0	61.18S–.10	27.2W–.30	10–1	4.6b,4.2			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**12 20 28 08.6–1.0**	**55.7S–.10**	**29.0W–.10**	**50**	**4.1b**	**25**	**5-152**	
IDC	IX	12 20 28 00.6–1.3	55.34S	27.96W	0	4.2L,4.1			**¶621075949**
NEIC	IX	12 20 28 09.7–2.3	55.8S–.20	29.0W–.30	50–14	4.1b,4.1			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**13 04 10 09.1–.57**	**59.50S–.09**	**25.8W–.10**	**40**	**4.3b**	**43**	**8-153**	
IDC	IX	13 04 10 03.8–.82	59.34S	25.85W	0	4.6L,4.2b			**¶621073287**
NEIC	IX	13 04 10 09.2–1.8	59.6S–.10	25.9W–.30	35–1	4.5b,4.2b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**13 11 09 56.4–1.9**	**58.4S–.30**	**26.0W–.50**	**10**			**14-152**	
IDC	IX	13 11 09 55.9–2.2	58.48S	27.63W	0	3.8L,3.8			**¶621073284**
ISC		Event type se.							
IDC		Error ellipse: s-maj=130.2km s-min=33.7km az=74.0.							
ISC	**IX**	**13 19 19 50.4–.40**	**59.89S–.07**	**26.59W–.09**	**26**	**4.7b,3.6s**	**81**	**8-153**	
IDC	IX	13 19 19 45.9–.54	59.82S	26.73W	0	4.5L,4.4b			**¶621073227**
NEIC	IX	13 19 19 51.2–1.5	59.96S–.07	26.7W–.20	35–1	4.9b,4.4b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**13 14 11 28.6–.41**	**59.93S–.06**	**26.49W–.06**	**32–2**	**5.1b,4.3s**	**252**	**8-162**	
GFZ	IX	13 14 11 25.9–.22	60S–4.0	26W–5.0	10	5.6b,5.3b			**¶621240991**
IDC	IX	13 14 11 28.8–1.8	59.88S	26.39W	33–12	4.8,4.7L			
NEIC	IX	13 14 11 29.4–1.1	59.97S–.09	26.5W–.20	37–6	5.1b,4.7L			
GCMT	IX	13 14 11 32.1–.30	60.38S–.02	25.91W–.04	31–0	5.0W,4.7L			
ISC		Event type se.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109131411A. Moment Tensor Solution. s37,c42; s78,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.86±.28 $M_{\theta\theta}$-0.31±.20; $M_{\phi\phi}$-3.56±.19; $M_{r\theta}$-0.43±.26; $M_{\theta\phi}$-2.01±.10; $M_{\phi r}$1.98±.21; Best double couple: NP1:ϕ_s223.00000°,δ37.00000°,λ118.00000°. NP2:ϕ_s9.00000°,δ58.00000°,λ70.00000°. Principal axes: T 4.5390,Plg70.0000°,Azm235.0000°; N 0.2780,Plg17.0000°,Azm20.0000° ; P -4.8250,Plg11.0000°,Azm113.0000° $M_0$4.68200×10^{16}								
ISC	**IX**	**13 06 22 13.8–.44**	**57.32S–.07**	**25.83W–.08**	**65**	**4.7b**	**103**	**7-152**	
IDC	IX	13 06 22 05.2–.65	57.39S	25.94W	0	4.3L,4.1b			**¶621073232**
NEIC	IX	13 06 22 10.9–1.4	57.31S–.07	25.70W–.09	35–2	4.6b,4.1b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**15 01 36 13.6–.57**	**60.3S–.10**	**27.9W–.10**	**10**	**4.3b**	**30**	**13-151**	
NEIC	IX	15 01 36 12.6–2.0	60.5S–.10	28.1W–.20	10–1	4.5b			**¶621081280**
IDC	IX	15 01 36 13.4–.84	60.00S	27.65W	0	4.0b,4.0			
ISC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=23.3km s-min=14.7km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=33.4km s-min=19.4km az=61.0.							
ISC	**IX**	**14 21 11 09.5–.87**	**59.6S–.10**	**26.0W–.10**	**40**	**4.0b**	**28**	**8-152**	
IDC	IX	14 21 11 04.4–1.2	59.58S	25.84W	0	3.9b,3.9			**¶621076684**
NEIC	IX	14 21 11 10.2–1.7	59.7S–.10	26.0W–.20	44–8	4.3b,3.9			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**13 23 58 00.9–.45**	**58.72S–.06**	**25.27W–.06**	**32–3**	**5.0b,4.3s**	**170**	**8-158**	
IDC	IX	13 23 57 55.9–.41	58.66S	25.36W	0	4.8L,4.7b			**¶621073304**
NEIC	IX	13 23 58 01.8–1.2	58.72S–.09	25.2W–.20	35–1	5.0b,4.7b			
GCMT	IX	13 23 58 04.2–.40	58.95S–.03	24.74W–.04	34–0	5.2W,4.7b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109132358A. Moment Tensor Solution. s39,c46; s75,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.87±.40 $M_{\theta\theta}$-0.14±.24; $M_{\phi\phi}$-6.73±.24; $M_{r\theta}$-0.44±.34; $M_{\theta\phi}$0.27±.14; $M_{\phi r}$1.55±.24; Best double couple: NP1:ϕ_s181.00000°,δ39.00000°,λ95.00000°. NP2:ϕ_s355.00000°,δ52.00000°,λ86.00000°. Principal axes: T 7.0680,Plg83.0000°,Azm243.0000°; N -0.1470,Plg3.0000°,Azm357.0000° ; P -6.9190,Plg6.0000°,Azm87.0000° $M_0$6.99400×10^{16}								
ISC	**IX**	**14 22 58 19.2–.42**	**58.49S–.08**	**25.1W–.10**	**28**	**4.8b,3.6s**	**72**	**8-153**	
IDC	IX	14 22 58 15.2–.67	58.49S	25.19W	0	4.5L,4.3b			**¶621110855**
NEIC	IX	14 22 58 19.1–1.6	58.6S–.10	25.1W–.20	29–3	5.0b,4.3b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**15 08 08 29.4–1.1**	**59.68S–.06**	**26.20W–.06**	**44–9**	**5.2b,4.4s**	**331**	**8-177**	
IDC	IX	15 08 08 28.9–1.5	59.57S	26.25W	40–12	4.9L,4.9			**¶621073668**
NEIC	IX	15 08 08 28.1–1.7	59.83S–.10	26.2W–.20	27–3	5.0b,4.9			
GFZ	IX	15 08 08 30.4–.56	60S–4.0	26W–3.0	51–5	5.5b,5.3b			
GCMT	IX	15 08 08 34.1–.20	59.82S–.02	25.57W–.03	38–0	5.1W,5.3b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109150808A. Moment Tensor Solution. s66,c101; s104,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.33±.24 $M_{\theta\theta}$1.35±.17; $M_{\phi\phi}$-5.68±.15; $M_{r\theta}$-1.03±.18; $M_{\theta\phi}$-2.67±.13; $M_{\phi r}$1.92±.16; Best double couple: NP1: ϕ_s225.00000°,δ44.00000°,λ130.00000°. NP2:ϕ_s355.00000°,δ58.00000°,λ58.00000°. Principal axes: T 5.3350,Plg62.0000°,Azm212.0000°; N 1.4500,Plg27.0000°,Azm13.0000° ; P -6.7840,Plg8.0000°,Azm107.0000° $M_0$6.05900×10^{16}								
ISC	**IX**	**15 03 31 37.1–.37**	**58.39S–.04**	**25.59W–.05**	**55–3**	**5.4b,4.7s**	**630**	**7-175**	
IDC	IX	15 03 31 29.5–.32	58.28S	25.37W	0	5.2b,5.2			**¶621240997**
BJI	IX	15 03 31 34.8	58.40S	25.60W	40	5.4s,5.1			
NEIC	IX	15 03 31 36.7–1.6	58.38S–.08	25.5W–.20	47–3	5.4b,5.1			
MOS	IX	15 03 31 36.2–1.0	58.42S	25.68W	54	5.6b,5.1			
GFZ	IX	15 03 31 36.9–.29	58S–3.0	26W–3.0	46–2	5.8b,5.4			
NEIC	IX	15 03 31 38.2	58.39S	25.56W	61	5.8b,5.4			
NEIC	IX	15 03 31 38.7	58.29S	24.98W	60	5.3,5.4			
GCMT	IX	15 03 31 39.3–.10	58.49S–.01	24.86W–.02	51–0	5.3W,5.4			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC		Event type se.							
NEIC		Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-1.09 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.21 $M_{\phi r}$0.17 NP1:ϕ_s170.72000°,δ40.21000°,λ89.39000°. NP2:ϕ_s351.52000°,δ49.79000°,λ90.51000°. Principal axes: T 0.8744,Plg85.0000°,Azm266.0000°; N 0.2632,Plg0.0000°,Azm171.0000° ; P -1.1376,Plg5.0000°,Azm81.0000° $M_0$1.03000×10^{17}								
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109150331A. Moment Tensor Solution. s126,c202; s133,c233;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$0.15±.02; $M_{\phi\phi}$-1.29±.01; $M_{r\theta}$-0.11±.01; $M_{\theta\phi}$0.10±.01; $M_{\phi r}$0.23±.01; Best double couple: NP1: ϕ_s181.00000°,δ40.00000°,λ98.00000°. NP2:ϕ_s351.00000°,δ51.00000°,λ84.00000°. Principal axes: T 1.1710,Plg83.0000°,Azm223.0000°; N 0.1480,Plg5.0000°,Azm355.0000° ; P -1.3200,Plg6.0000°,Azm86.0000° $M_0$1.24600×10^{17}								
ISC	**IX**	**15 04 23 13.6–.55**	**59.53S–.09**	**25.9W–.10**	**40**	**4.7b**	**74**	**9-153**	
IDC	IX	15 04 23 08.2–.77	59.45S	25.95W	0	4.6L,4.3			**¶621081278**
NEIC	IX	15 04 23 13.3–1.8	59.5S–.10	25.7W–.20	35–2	4.8b,4.3			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**15 10 22 58.2–.25**	**57.97S–.05**	**23.49W–.06**	**16**	**5.2b,4.3s**	**373**	**8-175**	
IDC	IX	15 10 22 55.7–.38	57.90S	23.49W	0	5.0L,4.9b			**¶621240999**
MOS	IX	15 10 22 56.3–1.0	57.92S	23.51W	12	5.3b,4.9b			
NEIC	IX	15 10 22 57.2–1.4	57.92S–.09	23.6W–.20	10–1	5.3,5.2b			
GFZ	IX	15 10 22 58.5	58.05S	23.52W	15	5.2W,5.2b			
GFZ	IX	15 10 22 58.5–.16	58S–3.0	24W–3.0	10	5.6b,5.2			
GCMT	IX	15 10 23 01.3–.20	58.01S–.02	23.05W–.01	12	5.1W,5.2			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.06 $M_{\theta\theta}$0.37 $M_{\phi\phi}$7.42 $M_{r\theta}$-1.41 $M_{\theta\phi}$-1.29 $M_{\phi r}$1.87 NP1: ϕ_s162.11621°,δ53.54398°,λ-100.77694°. NP2:ϕ_s359.87814°,δ37.80260°,λ-75.79654°. Principal axes: T 7.9217,Plg7.9632°,Azm259.7885°; N -0.4079,Plg8.6498°,Azm168.5691° ; P -7.5137,Plg78.2010°,Azm31.8292° $M_0$7.72578×10^{16}								
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109151022A. Moment Tensor Solution. s48,c66; s110,c186; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.83±.14 $M_{\theta\theta}$-1.61±.15; $M_{\phi\phi}$6.44±.09; $M_{r\theta}$-1.11±.45; $M_{\theta\phi}$-0.81±.09; $M_{\phi r}$2.56±.32; Best double couple: NP1:ϕ_s8.00000°,δ34.00000°,λ-69.00000°. NP2:ϕ_s163.00000°,δ59.00000°,λ-103.00000°. Principal axes: T 7.1150,Plg13.0000°,Azm263.0000°; N -1.5160,Plg11.0000°,Azm170.0000° ; P -5.5980,Plg73.0000°,Azm40.0000° $M_0$6.35700×10^{16}								
ISC	**IX**	**15 11 27 09.5–1.5**	**58.6S–.20**	**24.8W–.40**	**10**	**3.9b**	**11**	**14-153**	
IDC	IX	15 11 27 07.7–1.6	58.53S	24.92W	0	4.0b,3.9			**¶621081266**
ISC		Event type se.							
IDC		Error ellipse: s-maj=75.4km s-min=29.2km az=66.0.							
ISC	**IX**	**15 04 43 04.7–.26**	**58.91S–.06**	**23.60W–.06**	**10**	**5.1b,4.0s**	**271**	**8-159**	
IDC	IX	15 04 43 03.1–.39	58.77S	23.55W	0	5.0L,4.8b			**¶621073659**
MOS	IX	15 04 43 03.4–.97	58.81S	23.63W	10	5.2b,4.8b			
NEIC	IX	15 04 43 04.8–1.9	58.97S–.09	23.6W–.20	10–1	5.2b,4.8b			
GFZ	IX	15 04 43 09.5–.22	59S–5.0	24W–4.0	38	5.0b,5.0			
GCMT	IX	15 04 43 09.1–.30	58.90S–.04	22.92W–.04	18–1	5.0W,5.0			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109150443A. Moment Tensor Solution. s25,c28; s91,c117; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.42±.24 $M_{\theta\theta}$0.81±.15; $M_{\phi\phi}$2.61±.15; $M_{r\theta}$0.62±.50; $M_{\theta\phi}$1.27±.10; $M_{\phi r}$-0.59±.33; Best double couple: NP1:ϕ_s219.00000°,δ44.00000°,λ-72.00000°. NP2:ϕ_s15.00000°,δ48.00000°,λ-107.00000°. Principal axes: T 3.2750,Plg2.0000°,Azm117.0000°; N 0.3350,Plg12.0000°,Azm26.0000° ; P -3.6090,Plg77.0000°,Azm216.0000° $M_0$3.44200×10^{16}								
ISC	**IX**	**16 04 58 37.9–.28**	**59.59S–.06**	**26.08W–.06**	**40**	**5.0b,4.5s**	**217**	**8-173**	
IDC	IX	16 04 58 31.8–.44	59.60S	26.05W	0	4.7b,4.7			**¶621241007**
GFZ	IX	16 04 58 33.3–.22	59S–4.0	26W–5.0	10	5.7b,5.3			
NEIC	IX	16 04 58 37.5–1.4	59.64S–.08	26.1W–.20	35–1	5.1b,5.3			
GCMT	IX	16 04 58 42.0–.20	59.86S–.01	25.58W–.02	40–1	5.2W,5.3			
ISC		Event type se.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109160458A. Moment Tensor Solution. s69,c102; s123,c203;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.19±.03 $M_{\theta\theta}$0.58±.02; $M_{\phi\phi}$-0.77±.02; $M_{r\theta}$-0.45±.02; $M_{\theta\phi}$0.11±.01; $M_{\phi r}$0.30±.02; Best double couple: NP1: ϕ_s217.00000°,δ51.00000°,λ168.00000°. NP2:ϕ_s315.00000°,δ80.00000°,λ40.00000°. Principal axes: T 0.8770,Plg34.0000°,Azm183.0000°; N 0.0180,Plg50.0000°,Azm326.0000° ; P -0.8950,Plg19.0000°,Azm80.0000° $M_0$0.88600×10^{17}								
ISC	**IX**	**15 05 45 13.2–.93**	**58.1S–.20**	**25.4W–.20**	**49**	**3.8b**	**12**	**15-152**	
IDC	IX	15 05 45 06.8–1.0	57.88S	25.42W	0	4.2L,3.9b			**¶621081264**
ISC		Event type se.							
IDC		Error ellipse: s-maj=39.2km s-min=25.3km az=62.0.							
ISC	**IX**	**15 23 55 28.3–.64**	**59.80S–.09**	**26.1W–.10**	**35**	**4.4b**	**28**	**8-153**	
IDC	IX	15 23 55 24.7–.96	59.60S	25.92W	0	4.1L,4.0b			**¶621112014**
NEIC	IX	15 23 55 28.1–1.2	59.71S–.08	25.9W–.20	35–2	4.6b,4.0b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**16 06 03 39.6–.49**	**57.22S–.08**	**25.22W–.09**	**22**	**4.5b,3.6s**	**58**	**7-152**	
IDC	IX	16 06 03 36.6–.71	57.18S	25.27W	0	4.3b,4.3			**¶621081678**
NEIC	IX	16 06 03 41.7–.83	57.3S–.10	25.2W–.20	35–2	4.5b,4.3			
ISC		Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 16 17 59 17.5–1.3 59.9S–.20 24.2W–.40 10 10 13-154
IDC IX 16 17 59 12.6–1.4 59.67S 26.75W 0 4.2L,3.9 **¶621081671**
ISC Event type se.
IDC Error ellipse: s-maj=67.1km s-min=25.7km az=79.0.
ISC IX 16 06 46 57.9–.56 58.76S–.08 24.20W–.09 10 4.4b 49 8-153
IDC IX 16 06 46 57.8–1.0 58.79S 25.00W 0 4.5L,4.2 **¶621081688**
NEIC IX 16 06 46 57.6–1.4 58.7S–.10 24.0W–.20 10–1 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 16 22 51 25.3–.43 59.93S–.07 26.12W–.08 35 4.7b 60 8-150
IDC IX 16 22 51 20.9–.73 59.67S 26.26W 0 4.8L,4.2b **¶621081682**
NEIC IX 16 22 51 25.6–1.2 59.91S–.10 26.21W–.08 35–2 4.9b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 03 54 59.7–1.1 58.3S–.20 24.7W–.20 35 3.9b 6 16-74
IDC IX 17 03 54 54.9–1.1 58.23S 24.84W 0 3.9b,3.9 **¶621112927**
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=23.8km az=73.0.
ISC IX 17 04 08 40.3–1.1 58.9S–.20 25.7W–.40 10 7 16-153
IDC IX 17 04 08 38.8–1.2 58.83S 26.29W 0 4.0L,3.8b **¶621112928**
ISC Event type se.
IDC Error ellipse: s-maj=71.0km s-min=25.0km az=93.0.
ISC IX 17 04 17 53.6–1.0 57.9S–.20 25.6W–.20 49 4.0b 8 33-152
IDC IX 17 04 17 46.7–1.0 57.88S 25.49W 0 4.0b,4.0 **¶621112929**
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=28.7km az=70.0.
ISC IX 17 01 34 02.2–1.3 58.9S–.10 25.6W–.40 10 10 14-150
IDC IX 17 01 34 00.8–1.6 58.84S 26.27W 0 4.3L,4.1 **¶621082887**
ISC Event type se.
IDC Error ellipse: s-maj=84.5km s-min=23.6km az=96.0.
ISC IX 16 22 32 13.4–.49 60.55S–.08 24.76W–.09 11 4.7b 46 9-154
IDC IX 16 22 32 12.7–.90 60.56S 25.19W 0 4.3L,4.2 **¶621081703**
NEIC IX 16 22 32 13.2–1.6 60.55S–.07 24.6W–.10 10–1 4.8b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 06 49 32.5–.88 58.7S–.10 24.6W–.10 10 4.0b 21 16-153
IDC IX 17 06 49 31.5–1.1 58.64S 25.14W 0 4.1L,3.9 **¶621112940**
NEIC IX 17 06 49 31.0–1.5 58.5S–.10 23.9W–.30 10–1 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 08 00 06.4–.40 58.82S–.07 24.77W–.07 10 4.7b,3.8s 118 8-162
NEIC IX 17 08 00 06.0–2.0 58.80S–.06 24.7W–.20 10–1 4.7b,3.8s **¶621082885**
IDC IX 17 08 00 05.4–.53 58.70S 24.85W 0 4.6L,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=3.3km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.0km s-min=15.5km az=68.0.
ISC IX 17 08 36 45.5–.49 58.87S–.07 24.63W–.08 10 4.6b,3.7s 63 8-153
IDC IX 17 08 36 45.3–.71 58.68S 24.83W 0 4.4b,4.3 **¶621082881**
NEIC IX 17 08 36 45.5–2.4 58.8S–.10 24.64W–.08 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 07 29 02.3–.71 57.79S–.09 25.6W–.10 49 4.1b 23 7-152
IDC IX 17 07 28 55.3–1.3 57.67S 25.30W 0 3.8b,3.8 **¶621112943**
NEIC IX 17 07 29 03.2–1.1 57.8S–.10 25.8W–.20 56–7 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 05 03 57.9–.84 59.9S–.20 26.5W–.20 26 3.8b 9 13-150
IDC IX 17 05 03 55.2–1.1 59.55S 26.45W 0 4.3L,3.9b **¶621112934**
ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=23.0km az=31.0.
ISC IX 17 09 35 53.0–.70 57.96S–.09 25.8W–.10 35 4.1b 35 7-152
IDC IX 17 09 35 48.0–.88 57.89S 25.55W 0 4.2L,4.0b **¶621112952**
NEIC IX 17 09 35 53.6–.99 57.97S–.09 26.0W–.20 35–1 4.1b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 09 47 43.7–.94 55.3S–.20 26.9W–.20 25 3.8b 9 19-150
IDC IX 17 09 47 40.0–1.0 55.29S 26.84W 0 3.8b,3.8 **¶621112953**
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=19.7km az=56.0.
IDC IX 17 08 59 01.1–1.2 59.05S 26.25W 0 3.9L,3.9b ¶621082890
IDC Error ellipse: s-maj=41.6km s-min=24.8km az=82.0.
ISC IX 17 18 06 02.1–1.5 59.0S–.20 25.1W–.40 10 3.9b 9 14-150
IDC IX 17 18 05 59.7–1.7 58.88S 26.12W 0 4.2L,4.0b **¶621112977**
ISC Event type se.
IDC Error ellipse: s-maj=93.5km s-min=24.7km az=96.0.
ISC IX 17 05 50 19.3–.60 59.46S–.09 25.22W–.09 27 4.3b,3.4s 34 10-153
IDC IX 17 05 50 15.9–.94 59.39S 25.32W 0 4.4L,4.0 **¶621082879**
NEIC IX 17 05 50 16.7–1.9 59.4S–.10 25.2W–.10 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 00 00 48.9–.89 58.5S–.10 24.7W–.20 10 3.6b 12 14-153
IDC IX 18 00 00 47.5–.91 58.45S 24.81W 0 4.3L,3.8 **¶621083299**
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=20.9km az=68.0.
ISC IX 17 20 16 30.8–1.4 60.2S–.20 23.9W–.40 10 9 12-154
IDC IX 17 20 16 29.0–1.4 60.05S 24.56W 0 4.5L,4.1 **¶621082884**
ISC Event type se.
IDC Error ellipse: s-maj=68.9km s-min=25.2km az=83.0.
ISC IX 18 19 46 40.6–.54 59.69S–.09 26.11W–.10 40 4.4b,3.4s 47 8-153
IDC IX 18 19 46 35.7–.69 59.58S 26.21W 0 4.8L,4.1 **¶621083276**
NEIC IX 18 19 46 40.9–1.4 59.7S–.10 26.1W–.10 39–7 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 16 34 52.0–.89 59.9S–.10 26.0W–.20 16 3.8b,3.5s 12 13-153
IDC IX 18 16 34 50.4–.93 59.80S 26.46W 0 4.2L,3.9 **¶621113575**
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=20.9km az=65.0.
ISC IX 18 12 57 37.2–.45 58.53S–.08 25.06W–.08 28 4.6b 84 8-154
IDC IX 18 12 57 33.8–.61 58.47S 25.11W 0 4.5L,4.4b **¶621083289**
NEIC IX 18 12 57 38.2–.72 58.54S–.10 25.0W–.20 35–2 4.6b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 14 31 00.7–1.1 58.7S–.20 25.0W–.30 50 7 14-153
IDC IX 18 14 30 53.9–1.2 58.73S 25.20W 0 3.8b,3.8 **¶621113570**
ISC Event type se.
IDC Error ellipse: s-maj=51.0km s-min=28.1km az=72.0.
ISC IX 18 20 45 42.2–.98 57.5S–.10 24.6W–.10 10 4.2b 19 7-152
IDC IX 18 20 45 41.6–1.3 57.34S 24.79W 0 3.9b,3.9 **¶621113590**
NEIC IX 18 20 45 41.4–1.1 57.48S–.10 24.4W–.20 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 13 12 10.2–.35 58.55S–.06 25.02W–.07 10 4.8b,4.0s 149 8-154
IDC IX 18 13 12 09.0–.45 58.45S 25.06W 0 4.7b,4.7 **¶621082982**
GFZ IX 18 13 12 10.4–.22 59S–4.0 25W–4.0 10 5.1b,4.8b
NEIC IX 18 13 12 10.4–2.4 58.58S–.10 24.9W–.20 10–1 4.9b,4.8b
GCMT IX 18 13 12 17.7–.30 58.53S–.03 24.35W–.04 35–0 5.0W,4.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109181312A. Moment Tensor Solution. s32,c37; s75,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.47±.26 $M_{\theta\theta}$0.34±.17; $M_{\phi\phi}$-3.81±.14; $M_{r\theta}$-0.51±.18; $M_{\theta\phi}$-0.66±.12; $M_{\phi r}$1.40±.11; Best double couple: NP1:ϕ_s201.00000°,δ36.00000°,λ109.00000°. NP2:ϕ_s358.00000°,δ56.00000°,λ76.00000°. Principal axes:
T 3.8400,Plg75.0000°,Azm228.0000°; N 0.2990,Plg11.0000°,Azm5.0000°
; P -4.1400,Plg10.0000°,Azm97.0000° $M_0$3.99000×10^{16}
ISC IX 19 05 02 03.6–.57 59.32S–.09 25.70W–.09 35 4.5b,3.5s 47 10-153
IDC IX 19 05 01 59.0–.77 59.30S 26.07W 0 4.5L,4.0 **¶621086486**
NEIC IX 19 05 02 04.0–.85 59.4S–.10 25.6W–.20 36–6 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 13 46 13.7–.61 58.55S–.09 25.1W–.10 28 4.3b,3.6s 45 8-153
IDC IX 18 13 46 09.9–.78 58.43S 24.97W 0 4.2L,4.1 **¶621113565**
NEIC IX 18 13 46 11.1–2.3 58.5S–.10 25.1W–.20 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 23 47 19.7–1.2 60.3S–.10 26.3W–.30 35 3.7b 11 13-153
IDC IX 18 23 47 13.7–1.3 60.06S 27.01W 0 4.3L,3.9 **¶621083281**
ISC Event type se.
IDC Error ellipse: s-maj=48.2km s-min=24.1km az=94.0.
ISC IX 19 15 56 11.7–.52 60.10S–.08 26.41W–.08 26 4.2b 40 8-153
IDC IX 19 15 56 07.6–.67 60.04S 26.88W 0 4.1L,4.1b **¶621086497**
NEIC IX 19 15 56 13.1–1.4 60.09S–.07 26.4W–.20 35–2 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 19 11 38 10.9–.93 59.4S–.10 26.1W–.20 40 3.7b 12 14-134
IDC IX 19 11 38 12.6–8.4 59.44S 26.07W 56–77 4.7L,3.9 **¶621086492**
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=23.7km az=63.0.
ISC IX 20 09 54 37.6–1.3 57.9S–.20 26.3W–.40 10 7 15-152
IDC IX 20 09 54 36.7–1.4 57.84S 26.30W 0 3.5b,3.5 **¶621115989**
ISC Event type se.
IDC Error ellipse: s-maj=105.6km s-min=37.8km az=99.0.
ISC IX 19 23 46 35.0–1.0 59.7S–.20 26.7W–.20 10 3.3s 11 13-153
IDC IX 19 23 46 34.2–1.0 59.55S 27.02W 0 4.2L,4.0 **¶621086499**
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=23.1km az=72.0.
ISC IX 20 00 38 39.3–1.0 58.6S–.20 25.2W–.30 28 10 14-153
IDC IX 20 00 38 35.8–1.2 58.46S 25.45W 0 3.8b,3.8 **¶621094369**
ISC Event type se.
IDC Error ellipse: s-maj=53.2km s-min=34.8km az=93.0.
ISC IX 19 20 50 44.3–2.6 60.7S–.30 26.5W–.40 20 3.8b 9 12-150
IDC IX 19 20 50 35.5–1.1 60.00S 27.21W 0 4.3L,3.9 **¶621086487**
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=23.1km az=80.0.
ISC IX 19 21 51 19.1–.42 58.60S–.08 23.59W–.09 10 4.5b 51 14-153
IDC IX 19 21 51 17.9–.63 58.48S 23.68W 0 4.1b,4.1 **¶621113646**
NEIC IX 19 21 51 19.4–.61 58.58S–.09 23.6W–.20 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 19 21 58 59.8–.38 58.70S–.07 23.72W–.08 10 4.8b,3.8s 105 8-153
IDC IX 19 21 58 58.3–.49 58.54S 23.65W 0 4.5b,4.4 **¶621086494**
NEIC IX 19 21 59 00.0–1.4 58.68S–.10 23.7W–.20 10–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 20 04 17 28.0–.52 57.84S–.08 25.5W–.10 49 4.6b,3.3s 83 7-152
IDC IX 20 04 17 21.4–.72 57.73S 25.51W 0 4.4L,4.2 **¶621115978**
NEIC IX 20 04 17 26.9–1.7 57.80S–.02 25.4W–.30 35–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 10 58 59.6–1.4 59.2S–.20 22.9W–.40 10 10 13-154
IDC IX 21 10 58 55.3–1.3 58.95S 24.89W 0 4.4L,3.9 **¶621106493**
ISC Event type se.
IDC Error ellipse: s-maj=72.5km s-min=23.9km az=91.0.
ISC IX 20 19 07 45.1–.34 59.82S–.05 26.48W–.05 32–2 5.4b,4.9s 524 8-177
MOS IX 20 19 07 41.0–.91 59.75S 26.44W 12 5.3b,4.9s **¶621086646**
NEIC IX 20 19 07 45.9–2.3 59.79S–.04 26.6W–.20 35–1 5.4b,4.9s
IDC IX 20 19 07 46.1–1.2 59.80S 26.42W 39–8 5.2,5.0L
GFZ IX 20 19 07 46.2–.18 60S–4.0 27W–3.0 30 6.0,6.0
GCMT IX 20 19 07 47.9–.20 60.04S–.02 25.98W–.04 28–1 5.3W,6.0
PTWC IX 20 19 07 49 60.10S 26.20W 81 5.8,6.0
ISC Event type se.
MOS Error ellipse: s-maj=24.4km s-min=12.8km az=101.7.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=3.2km az=291.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=11.9km az=60.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109201907A. Moment Tensor Solution. s43,c60; s80,c116; Duration: 1ϑ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.56±.04 $M_{\theta\theta}$-0.29±.03; $M_{\phi\phi}$-0.26±.03; $M_{r\theta}$0.25±.05; $M_{\theta\phi}$-0.59±.02; $M_{\phi r}$0.67±.06; Best double couple: NP1:ϕ_s254.00000°,δ30.00000°,λ137.00000°. NP2:ϕ_s24.00000°,δ70.00000°,λ67.00000°. Principal axes:
T 0.9410,Plg59.0000°,Azm262.0000°; N 0.1870,Plg21.0000°,Azm32.0000°
; P -1.1280,Plg22.0000°,Azm131.0000° $M_0$1.03500×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.
ISC IX 20 19 50 47.8–.65 59.76S–.09 26.29W–.10 26 4.3b 41 8-153
IDC IX 20 19 50 44.6–.72 59.74S 26.45W 0 4.7L,4.3 **¶621094371**
NEIC IX 20 19 50 48.9–1.5 59.68S–.05 26.2W–.20 35–2 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 08 00 15.3–1.0 57.4S–.20 24.7W–.30 10 3.9b 8 15-152
IDC IX 21 08 00 14.0–1.3 57.33S 24.68W 0 3.9b,3.9 **¶621116024**
ISC Event type se.
IDC Error ellipse: s-maj=47.7km s-min=28.5km az=73.0.
ISC IX 20 21 14 41.0–1.9 60.4S–.20 27.8W–.60 10 10 13-153
IDC IX 20 21 14 39.9–1.8 60.08S 27.98W 0 4.3b,4.3 **¶621094352**
ISC Event type se.
IDC Error ellipse: s-maj=83.6km s-min=33.0km az=74.0.
ISC IX 20 21 24 41.1–1.1 60.4S–.20 24.9W–.20 10 4.0b 10 12-76
IDC IX 20 21 24 40.6–1.2 60.23S 25.08W 0 4.4L,4.1 **¶621116006**
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=20.8km az=56.0.
ISC IX 21 08 51 15.5–.99 56.0S–.20 27.7W–.30 100 3.9b 12 17-150
IDC IX 21 08 51 02.5–.94 55.82S 27.77W 0 4.8L,4.1 **¶621106500**
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=20.5km az=79.0.
ISC IX 20 07 31 27.0–.53 60.20S–.08 27.14W–.09 34 4.4b 46 8-153
IDC IX 20 07 31 23.8–.71 60.11S 27.10W 0 4.4L,4.2b **¶621094366**
NEIC IX 20 07 31 27.9–1.3 60.15S–.10 27.2W–.20 35–2 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 20 07 47 14.3–.51 59.72S–.08 26.09W–.09 10 4.6b,3.5s 64 8-153
IDC IX 20 07 47 13.7–.76 59.83S 26.44W 0 4.8L,4.2b **¶621094360**
NEIC IX 20 07 47 15.0–.89 59.68S–.08 25.9W–.10 19–4 4.7b,4.2b

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 23 54 33.0–.75 58.7S–.10 23.2W–.10 10 4.3b 27 9-153
IDC IX 21 23 54 31.4–.91 58.46S 23.27W 0 4.5L,4.2 **¶621106522**
NEIC IX 21 23 54 34.9–1.2 58.8S–.20 23.5W–.20 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 12 44 38.5–.51 60.42S–.08 26.92W–.09 19 4.5b 61 8-153
IDC IX 21 12 44 36.3–.82 60.42S 27.34W 0 4.2,4.1L **¶621106503**
NEIC IX 21 12 44 37.3–1.6 60.38S–.08 26.8W–.20 10–1 4.6b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 20 12 06.7–3.8 61.7S–.90 30W–2.0 35 7 12-152
IDC IX 21 20 11 56.7–2.0 60.14S 28.08W 0 4.6L,4.0 **¶621106517**
ISC Event type se.
IDC Error ellipse: s-maj=84.8km s-min=29.0km az=88.0.
ISC IX 22 07 27 41.6–1.4 59.5S–.20 30.1W–.40 10 3.6b 6 31-151
IDC IX 22 07 27 40.0–1.3 59.50S 30.12W 0 3.8b,3.8 **¶621118125**
ISC Event type se.
IDC Error ellipse: s-maj=61.7km s-min=28.0km az=91.0.
ISC IX 22 07 34 56.6–.73 59.5S–.10 29.6W–.20 10 3.9b 12 16-152
IDC IX 22 07 34 55.1–.77 59.45S 29.79W 0 4.0b,3.9 **¶621118127**
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=20.0km az=66.0.
IDC IX 22 01 43 31.4–3.7 60.52S 27.04W 0 3.9b,3.9
¶621118110
IDC Error ellipse: s-maj=117.1km s-min=44.9km az=0.0.
ISC IX 22 05 19 24.3–.69 58.8S–.10 25.1W–.10 18 4.1b,3.4s 26 8-153
IDC IX 22 05 19 21.8–.72 58.69S 25.14W 0 4.3L,4.0b **¶621118119**
NEIC IX 22 05 19 23.9–.95 58.9S–.20 25.2W–.40 10–1 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 22 07 29 05.2–1.5 59.47S 30.01W 0 3.8b,3.8
¶621118126
IDC Error ellipse: s-maj=79.1km s-min=39.2km az=77.0.
IDC IX 22 19 00 27.8–1.3 59.47S 25.15W 0 3.7b,3.7
¶621118172
IDC Error ellipse: s-maj=94.5km s-min=37.0km az=102.0.
ISC IX 22 08 27 37.0–.32 59.38S–.06 25.82W–.07 40 5.0b,4.3s 175 8-158
IDC IX 22 08 27 30.7–.43 59.27S 25.89W 0 5.8L,4.7b **¶621094787**
NEIC IX 22 08 27 36.8–1.9 59.36S–.09 25.9W–.20 35–1 4.9b,4.7b
GCMT IX 22 08 27 39.8–.20 59.64S–.02 25.29W–.03 43–0 5.0W,4.7b
GFZ IX 22 08 27 42.4–.77 60S–7.0 26W–7.0 88–8 5.8b,5.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109220827A. Moment Tensor Solution. s78,c108; s80,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.05±.16 $M_{\theta\theta}$0.74±.14; $M_{\phi\phi}$-4.80±.11; $M_{r\theta}$0.12±.11; $M_{\theta\phi}$-1.89±.08; $M_{\phi r}$0.27±.10; Best double couple: NP1:ϕ_s196.00000°,δ43.00000°,λ89.00000°. NP2:ϕ_s18.00000°,δ47.00000°,λ91.00000°. Principal axes: T 4.0600,Plg88.0000°,Azm308.0000°; N 1.3270,Plg1.0000°,Azm197.0000°; P -5.3920,Plg2.0000°,Azm107.0000° $M_0$4.72600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 22 12 57 21.0–.64 57.9S–.10 23.41W–.09 16 4.2b 21 8-153
IDC IX 22 12 57 18.6–1.3 57.72S 23.67W 0 4.1L,4.0b **¶621118146**
NEIC IX 22 12 57 20.2–1.3 57.9S–.10 23.4W–.20 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 02 53 08.1–.62 60.0S–.10 26.4W–.10 26 4.5b 33 15-153
IDC IX 22 02 53 05.5–.87 59.79S 26.55W 0 4.4L,4.3 **¶621118115**
NEIC IX 22 02 53 09.2–.50 60.0S–.10 26.3W–.20 35–2 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 19 33 22.9–.38 58.33S–.07 23.16W–.07 10 4.7b 66 8-153
IDC IX 22 19 33 21.7–.52 58.22S 23.19W 0 5.0L,4.5 **¶621118175**
NEIC IX 22 19 33 23.1–1.5 58.33S–.07 23.1W–.20 10–1 4.9b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 19 51 58.4–.40 59.41S–.08 25.93W–.08 40 5.0b 103 8-153
IDC IX 22 19 51 52.7–.60 59.22S 25.90W 0 5.5L,4.4b **¶621118176**
NEIC IX 22 19 51 58.3–1.3 59.46S–.09 26.0W–.20 35–1 5.0b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 02 06 40.6–.53 56.22S–.09 27.81W–.09 100 4.6b 37 5-151
IDC IX 23 02 06 27.8–.99 56.02S 27.37W 0 4.4L,3.9 **¶621110084**
NEIC IX 23 02 06 41.8–1.5 56.3S–.10 27.9W–.20 108–4 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 17 43 58.7–.41 55.87S–.09 27.10W–.08 35 4.9b 103 6-154
IDC IX 22 17 43 52.9–.58 55.70S 26.71W 0 4.7b,4.6 **¶621118167**
NEIC IX 22 17 43 57.6–1.8 55.9S–.10 27.0W–.20 28–4 5.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 21 41 34.9–.71 57.9S–.10 23.5W–.10 10 4.3b,3.5s 19 8-153
IDC IX 22 21 41 33.7–.99 57.91S 24.40W 0 4.6L,4.2 **¶621118179**
NEIC IX 22 21 41 35.1–1.0 57.9S–.10 23.5W–.20 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 02 22 22.2–.60 59.85S–.10 24.2W–.10 10 4.4b,3.5s 27 13-154
IDC IX 23 02 22 21.9–.94 59.77S 24.45W 0 5.3L,4.4 **¶621110115**
NEIC IX 23 02 22 22.6–.82 59.75S–.08 24.3W–.20 10–1 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 22 23 27.2–.34 59.95S–.07 24.08W–.08 10 4.8b,3.6s 110 9-154
NEIC IX 22 22 23 27.4–1.3 59.97S–.10 24.1W–.20 10–1 4.9b,3.6s **¶621118180**
IDC IX 22 22 23 31.7–5.0 59.88S 24.05W 35–38 5.4L,4.5
GCMT IX 22 22 23 31.8–.30 59.99S–.03 23.43W–.07 21–0 4.9W,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109222223A. Moment Tensor Solution. s24,c26; s76,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.60±.22 $M_{\theta\theta}$1.96±.15; $M_{\phi\phi}$1.63±.14; $M_{r\theta}$0.78±.24; $M_{\theta\phi}$0.57±.06; $M_{\phi r}$-0.03±.28; Best double couple: NP1:ϕ_s49.00000°,δ39.00000°,λ-99.00000°. NP2:ϕ_s240.00000°,δ51.00000°,λ-83.00000°. Principal axes: T 2.4490,Plg6.0000°,Azm325.0000°; N 1.2510,Plg5.0000°,Azm56.0000°; P -3.7100,Plg82.0000°,Azm188.0000° $M_0$3.08000×10^{16}
ISC IX 23 05 58 08.1–.64 60.60S–.09 27.7W–.10 10 4.3b 38 8-77
NEIC IX 23 05 58 07.7–.84 60.6S–.10 27.6W–.10 10–1 4.4b **¶621125833**
IDC IX 23 05 58 08.4–1.3 60.40S 28.26W 0 4.7L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=7.6km az=19.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.5km s-min=22.4km az=59.0.
ISC IX 24 01 50 21.2–.59 57.90S–.10 23.76W–.09 10 4.4b,3.7s 25 8-149
IDC IX 24 01 50 19.8–.76 57.85S 23.79W 0 4.2b,4.2 **¶621126399**
NEIC IX 24 01 50 21.6–1.8 57.87S–.08 23.8W–.10 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 14 33 22.3–.98 58.6S–.10 23.3W–.30 10 3.9b 12 14-153
IDC IX 23 14 33 20.9–1.0 58.53S 23.56W 0 3.9,3.8b **¶621110113**
ISC Event type se.
IDC Error ellipse: s-maj=47.5km s-min=23.5km az=80.0.
ISC IX 23 04 58 13.4–.59 57.36S–.09 24.09W–.09 10 4.7b 31 8-152
IDC IX 23 04 58 12.4–1.0 57.24S 23.82W 0 4.0L,4.0b **¶621125830**
NEIC IX 23 04 58 13.3–1.5 57.5S–.10 24.0W–.20 10–2 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 09 47 14.5–1.4 58.6S–.20 24.6W–.40 35 8 14-153
IDC IX 23 09 47 08.9–1.3 58.49S 25.47W 0 3.5b,3.5 **¶621125844**
ISC Event type se.
IDC Error ellipse: s-maj=112.1km s-min=31.5km az=96.0.
ISC IX 23 16 02 02.7–.36 59.93S–.06 26.64W–.07 50 5.0b,4.1s 158 8-153
IDC IX 23 16 01 56.7–.55 59.79S 26.42W 0 4.6,4.5L **¶621108682**
GFZ IX 23 16 02 01.4–.27 60S–6.0 26W–5.0 50 5.8b,5.3
NEIC IX 23 16 02 02.7–1.3 59.85S–.09 26.6W–.20 45–6 4.9b,5.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 24 20 58 12.8–1.1 58.6S–.20 25.3W–.30 38 3.7b 6 16-153
IDC IX 24 20 58 07.6–1.1 58.54S 25.62W 0 3.9L,3.7 **¶621126464**
ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=24.8km az=79.0.
ISC IX 24 18 42 34.0–.65 60.5S–.10 25.2W–.20 10 4.2b 23 14-154
IDC IX 24 18 42 33.0–.83 60.33S 25.30W 0 4.8L,4.2 **¶621126456**
NEIC IX 24 18 42 34.2–1.1 60.4S–.10 25.2W–.40 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 24 06 35 37.1–.36 58.06S–.06 25.58W–.08 69 4.7b 130 7-154
NEIC IX 24 06 35 37.3–1.6 58.0S–.10 25.6W–.20 69–4 4.8b **¶621126412**
IDC IX 24 06 35 37.0–4.6 57.99S 25.59W 65–40 4.5L,4.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=13.4km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.5km s-min=14.5km az=63.0.
ISC IX 24 13 12 36.1–.79 60.5S–.10 25.3W–.10 10 4.3b 36 14-154
NEIC IX 24 13 12 33.1–1.4 60.3S–.10 24.2W–.30 10–1 4.4b **¶621126439**
IDC IX 24 13 12 36.1–.89 60.55S 25.63W 0 4.3L,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=18.5km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.0km s-min=17.1km az=63.0.
ISC IX 24 13 43 25.2–.00 55.7S–.20 25.6W–.30 10 7 19-151
IDC IX 24 13 43 24.1–1.0 55.64S 25.56W 0 4.7s,4.0b **¶621126441**
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=27.8km az=76.0.
IDC IX 24 11 28 56.0–1.1 59.40S 24.38W 0 4.6L,3.9
¶621126434
IDC Error ellipse: s-maj=49.9km s-min=23.2km az=76.0.
ISC IX 26 00 01 07.2–.93 59.4S–.10 25.5W–.20 32 4.1b 23 13-153
NEIC IX 26 00 01 02.6–2.2 59.2S–.10 25.0W–.40 10–2 4.2b **¶621112094**
IDC IX 26 00 01 03.4–1.1 59.32S 25.76W 0 4.7L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.9km s-min=10.7km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.5km s-min=21.3km az=73.0.
ISC IX 25 08 33 11.6–1.1 58.7S–.10 24.2W–.10 10 4.4b 26 8-153
NEIC IX 25 08 33 09.3–1.5 58.49S–.07 23.6W–.20 10–1 4.4b **¶621110411**
IDC IX 25 08 33 21.3–9.8 59.06S 25.02W 72–82 4.9L,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=3.5km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=83.0km s-min=27.7km az=103.0.
ISC IX 25 17 22 37.3–.74 58.8S–.10 24.6W–.20 10 4.3b,3.3s 31 14-153
IDC IX 25 17 22 36.7–1.0 58.71S 24.86W 0 4.5L,4.1 **¶621131464**
NEIC IX 25 17 22 36.5–2.2 58.84S–.05 24.2W–.40 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 25 19 13 50.0–.97 57.6S–.10 24.5W–.30 10 3.9b 10 15-152
IDC IX 25 19 13 49.0–1.0 57.51S 24.87W 0 3.7b,3.7 **¶621110409**
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=25.9km az=86.0.
ISC IX 25 06 42 22.5–.47 58.01S–.08 25.44W–.09 49 4.3b 50 7-154
NEIC IX 25 06 42 22.2–2.0 58.0S–.10 25.4W–.20 42–9 4.5b **¶621110360**
IDC IX 25 06 42 23.1–6.1 57.90S 25.53W 52–54 4.2L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=14.7km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.9km s-min=16.9km az=61.0.
ISC IX 25 21 19 34.9–.59 59.0S–.10 24.7W–.10 10 4.4b 34 8-153
IDC IX 25 21 19 33.7–.78 58.89S 25.89W 0 4.4L,4.3 **¶621110402**
NEIC IX 25 21 19 34.4–.98 58.8S–.10 24.7W–.30 10–1 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 23 24 59.5–.40 59.51S–.07 25.78W–.08 40 4.9b,3.8s 89 8-153
IDC IX 26 23 24 54.3–.60 59.31S 25.90W 0 4.4b,4.3 **¶621112040**
NEIC IX 26 23 24 59.3–1.9 59.50S–.10 25.75W–.09 35–1 4.9b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 04 23 15.8–.53 58.84S–.05 25.85W–.06 56–4 5.2b,4.6s 373 7-174
GFZ IX 26 04 23 11.2 58.85S 25.84W 49 5.2W,4.6s **¶621110202**
IDC IX 26 04 23 13.9–3.9 58.76S 25.63W 40–33 5.0L,5.0
NEIC IX 26 04 23 13.5–2.2 58.76S–.09 25.6W–.20 35–1 5.2,5.2b
GFZ IX 26 04 23 15.3–.26 59S–4.0 26W–3.0 46–2 6.1b,5.8
GCMT IX 26 04 23 17.7–.10 58.95S–.01 24.92W–.02 53–0 5.3W,5.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}8.71 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-9.23 $M_{r\theta}$-1.66 $M_{\theta\phi}$1.42 $M_{\phi r}$2.10 NP1: ϕ_s181.02376°,δ38.55308°,λ104.20075°. NP2:ϕ_s343.09300°,δ52.82910°,λ78.93777°. Principal axes: T 9.2092,Plg78.5822°,Azm209.8289°; N 0.5200,Plg8.7946°,Azm349.8298°; P -9.7293,Plg7.2240°,Azm80.9535° $M_0$9.47996×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109260423A. Moment Tensor Solution. s126,c210; s136,c239;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.96±.02 $M_{\theta\theta}$0.17±.01; $M_{\phi\phi}$-1.12±.01; $M_{r\theta}$-0.11±.01; $M_{\theta\phi}$0.02±.01; $M_{\phi r}$0.18±.01; Best double couple: NP1: ϕ_s187.00000°,δ40.00000°,λ101.00000°. NP2:ϕ_s352.00000°,δ50.00000°,λ81.00000°. Principal axes: T 0.9880,Plg81.0000°,Azm213.0000°; N 0.1520,Plg7.0000°,Azm358.0000°; P -1.1360,Plg5.0000°,Azm89.0000° $M_0$1.06200×10^{17}
ISC IX 26 02 24 15.4–.49 58.54S–.09 25.0W–.10 28 4.2b 49 14-154

IDC IX 26 02 24 11.5–.58 58.45S 25.15W 0 4.4L,4.2b ¶621112058
NEIC IX 26 02 24 16.5–1.5 58.58S–.09 25.0W–.30 33–5 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 06 35 05.1–.64 59.75S–.08 26.2W–.10 35 4.3b 34 8-153
IDC IX 26 06 35 01.5–1.1 59.71S 26.74W 0 4.7L,4.1 ¶621112052
NEIC IX 26 06 35 03.0–.59 59.75S–.04 25.9W–.20 24–7 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 06 35 21.3–.80 59.9S–.10 26.1W–.20 35 3.9b 30 13-153
IDC IX 26 06 35 17.1–1.1 59.64S 26.43W 0 4.6L,4.0 ¶621112093
NEIC IX 26 06 35 22.1–.62 59.8S–.10 26.2W–.20 39–8 4.0b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 19 08 16.6–.80 58.2S–.10 25.4W–.20 49 4.0b 15 14-152
IDC IX 26 19 08 09.9–.85 58.07S 25.39W 0 4.0b,4.0 ¶621131529
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=23.1km az=77.0.
ISC IX 27 04 52 35.1–.64 58.7S–.10 23.7W–.10 10 4.1b 28 14-153
IDC IX 27 04 52 34.0–.90 58.56S 23.72W 0 4.2L,3.9 ¶621112586
NEIC IX 27 04 52 35.4–2.5 58.66S–.08 23.5W–.20 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 08 53 21.4–1.1 57.2S–.20 24.9W–.30 22 3.7b 8 15-152
IDC IX 27 08 53 18.5–1.2 57.10S 25.15W 0 3.7,3.6L ¶621140695
ISC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=25.6km az=79.0.
ISC IX 27 03 00 37.5–.55 59.52S–.08 25.72W–.09 32 4.3b,3.4s 47 8-153
IDC IX 27 03 00 33.2–.69 59.42S 25.66W 0 4.6L,4.1 ¶621112571
NEIC IX 27 03 00 37.6–2.8 59.6S–.10 25.8W–.20 28–4 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 05 34 56.8–.88 59.4S–.10 29.8W–.30 10 3.9b 8 16-151
IDC IX 28 05 34 55.2–.96 59.29S 29.99W 0 4.1b,4.0 ¶621140800
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=22.7km az=77.0.
ISC IX 27 15 00 19.8–.66 58.19S–.10 24.5W–.10 10 4.2b 29 8-153
IDC IX 27 15 00 18.6–.93 58.32S 25.60W 0 4.0L,3.9b ¶621112578
NEIC IX 27 15 00 23.1–.95 58.2S–.10 24.4W–.10 35–1 4.2b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 20 45 32.2–1.1 60.9S–.20 26.6W–.30 10 7 12-153
IDC IX 27 20 45 31.9–1.3 60.57S 26.64W 0 3.9b,3.9 ¶621140738
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=28.2km az=59.0.
ISC IX 27 15 42 20.2–.67 60.7S–.10 24.2W–.10 10 4.2b 25 9-154
NEIC IX 27 15 42 19.7–.60 60.7S–.10 24.0W–.20 10–2 4.4b ¶621112543
IDC IX 27 15 42 19.6–1.0 60.65S 25.52W 0 4.2L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=11.9km az=36.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=50.4km s-min=22.4km az=70.0.
ISC IX 28 00 44 21.2–.47 58.82S–.08 25.22W–.09 18 4.5b,3.6s 54 8-174
IDC IX 28 00 44 18.6–.58 58.80S 25.19W 0 4.3b,4.3 ¶621113277
NEIC IX 28 00 44 23.7–1.4 58.84S–.09 25.3W–.20 35–2 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 29 06 44 30.4–.67 59.34S–.10 25.6W–.10 32 4.4b,3.3s 45 8-153
IDC IX 29 06 44 25.6–.80 59.29S 25.81W 0 4.0b,4.0 ¶621113654
NEIC IX 29 06 44 31.8–1.1 59.3S–.10 25.6W–.20 44–7 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 22 43 39.1–.63 59.7S–.10 26.4W–.10 61 4.5b 47 8-153
IDC IX 28 22 43 31.5–.78 59.66S 26.40W 0 4.1b,4.1 ¶621113253
NEIC IX 28 22 43 36.6–1.4 59.7S–.10 26.2W–.30 35–2 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 19 04 22.8–.66 59.5S–.10 25.9W–.10 40 4.5b 32 13-150
IDC IX 28 19 04 18.0–.93 59.57S 26.15W 0 3.9b,3.8 ¶621140844
NEIC IX 28 19 04 22.0–.75 59.40S–.06 25.6W–.30 35–2 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 29 07 47 11.8–.91 58.1S–.20 23.7W–.30 10 3.9b 10 14-153
IDC IX 29 07 47 12.6–1.0 57.37S 23.55W 0 3.9b,3.9 ¶621146358
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=31.4km az=59.0.
ISC IX 29 13 02 24.1–.48 57.94S–.08 23.67W–.09 16 4.4b 51 8-153
IDC IX 29 13 02 22.3–.66 57.86S 23.60W 0 4.2b,4.2 ¶621146377
NEIC IX 29 13 02 23.4–1.4 57.96S–.05 23.7W–.20 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 29 13 49 51.0–.55 58.51S–.09 25.03W–.10 28 4.2b 38 8-153
IDC IX 29 13 49 46.7–.85 58.36S 25.11W 0 4.0b,4.0 ¶621113660
NEIC IX 29 13 49 48.7–1.2 58.51S–.07 25.0W–.10 10–1 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 01 09 52 04.3–1.4 60.25S 26.74W 0 4.3L,4.1 ¶621147825
IDC Error ellipse: s-maj=75.1km s-min=24.1km az=58.0.
ISC IX 29 05 36 12.5–.94 59.02S–.06 25.55W–.07 43–8 5.1b,4.0s 282 8-158
GFZ IX 29 05 36 08.4–.20 59S–4.0 25W–4.0 10 6.7,6.5 ¶621239829
IDC IX 29 05 36 13.6–2.2 58.99S 25.67W 51–18 4.9,4.6b
NEIC IX 29 05 36 13.8–1.2 59.09S–.09 25.6W–.20 52–4 5.1b,4.6b
GCMT IX 29 05 36 15.6–.40 59.35S–.03 25.15W–.05 42–1 5.0W,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109290536A. Moment Tensor Solution. s40,c51; s52,c64; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.35±.22 $M_{\theta\theta}$0.15±.16; $M_{\phi\phi}$-3.50±.13; $M_{r\theta}$-1.20±.16; $M_{\theta\phi}$0.32±.11; $M_{\phi r}$0.47±.13; Best double couple: NP1:ϕ_s192.00000°,δ43.00000° ,λ116.00000°. NP2:ϕ_s338.00000°,δ52.00000°,λ68.00000°. Principal axes: T 3.7660,Plg72.0000°,Azm189.0000°; N -0.1920,Plg18.0000°,Azm352.0000° ; P -3.5780,Plg5.0000°,Azm83.0000° $M_0$3.67200×10^{16}
ISC IX 29 06 14 57.8–1.1 58.1S–.20 23.7W–.30 16 8 14-153
IDC IX 29 06 14 55.7–2.2 57.92S 23.59W 0 3.8b,3.8 ¶621113670
ISC Event type se.
IDC Error ellipse: s-maj=88.5km s-min=51.2km az=2.0.
ISC IX 29 22 58 29.9–.58 58.28S–.09 23.0W–.10 10 4.1b 32 8-153
IDC IX 29 22 58 28.6–.77 58.23S 23.26W 0 4.9L,4.0 ¶621113672
NEIC IX 29 22 58 29.7–.87 58.28S–.10 23.1W–.10 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 15 44 06.2–.33 60.53S–.08 26.35W–.09 10 5.4b,3.9s 197 8-158
GFZ X 01 15 44 05.5–.29 61S–6.0 26W–8.0 10 5.6b,5.5b ¶621116085

IDC X 01 15 44 05.2–.45 60.50S 26.55W 0 4.6L,4.6b
NEIC X 01 15 44 06.5–1.7 60.5S–.10 26.4W–.20 10–1 5.3b,4.6b
GCMT X 01 15 44 11.1–.40 60.87S–.02 25.83W–.04 16–1 4.9W,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110011544A. Moment Tensor Solution. s16,c18; s78,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.25±.15 $M_{\theta\theta}$-0.67±.14; $M_{\phi\phi}$-0.58±.11; $M_{r\theta}$0.30±.32; $M_{\theta\phi}$2.11±.09; $M_{\phi r}$0.78±.33; Best double couple: NP1:ϕ_s97.00000°,δ58.00000° ,λ28.00000°. NP2:ϕ_s351.00000°,δ66.00000°,λ145.00000°. Principal axes: T 2.1560,Plg41.0000°,Azm311.0000°; N 0.6060,Plg49.0000°,Azm141.0000° ; P -2.7650,Plg5.0000°,Azm45.0000° $M_0$2.46100×10^{16}
ISC X 01 19 14 59.8–.46 60.4S–.10 27.6W–.10 10 4.7b,4.0s 52 8-153
IDC X 01 19 14 57.4–.78 60.13S 28.18W 0 4.8L,4.5b ¶621147845
NEIC X 01 19 15 00.1–1.7 60.5S–.10 27.83W–.04 10–1 4.9b,4.5b
GCMT X 01 19 15 04.7–.30 60.53S–.02 27.51W–.03 12 4.8W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110011914A. Moment Tensor Solution. s9,c10; s87,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.40±.09 $M_{\theta\theta}$-1.09±.11; $M_{\phi\phi}$1.49±.09; $M_{r\theta}$-1.20±.25; $M_{\theta\phi}$-1.41±.07; $M_{\phi r}$-0.29±.24; Best double couple: NP1:ϕ_s17.00000°,δ64.00000° ,λ-19.00000°. NP2:ϕ_s115.00000°,δ73.00000°,λ-153.00000°. Principal axes: T 2.1330,Plg6.0000°,Azm244.0000°; N 0.3090,Plg58.0000°,Azm145.0000° ; P -2.4390,Plg31.0000°,Azm338.0000° $M_0$2.28600×10^{16}
ISC X 01 11 21 53.3–1.4 59.4S–.30 25.7W–.30 10 4.0b 7 15-153
IDC X 01 11 21 52.2–1.4 59.07S 25.55W 0 4.9L,4.3 ¶621147827
ISC Event type se.
IDC Error ellipse: s-maj=73.4km s-min=29.3km az=42.0.
ISC X 03 08 04 09.5–.40 60.09S–.08 27.51W–.08 10 4.5b,3.7s 81 8-153
IDC X 03 08 04 08.2–.63 60.00S 27.55W 0 4.3b,4.2 ¶621122751
NEIC X 03 08 04 11.0–.68 60.11S–.10 27.6W–.10 19–4 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 02 21 41 13.2–.69 55.9S–.10 27.65W–.09 112 4.4b 23 5-151
IDC X 02 21 40 58.9–.93 55.56S 26.96W 0 3.9b,3.9 ¶621186090
NEIC X 02 21 41 13.0–.95 56.0S–.10 27.6W–.20 107–4 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 18 04 23.9–.80 58.8S–.10 24.7W–.20 10 4.5b,3.6s 33 16-153
IDC X 01 18 04 23.0–.94 58.69S 24.85W 0 4.6L,4.2 ¶621147840
NEIC X 01 18 04 24.5–2.1 58.8S–.20 24.9W–.40 10–2 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 18 27 29.9–.85 56.8S–.20 25.1W–.20 22 4.7b,3.5s 27 7-151
IDC X 01 18 27 27.1–.97 56.77S 25.15W 0 4.4b,4.3 ¶621147843
NEIC X 01 18 27 28.7–1.4 56.9S–.10 25.3W–.30 10–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 03 54 05.6–.15 60.34S–.03 27.63W–.03 3 6.0s,5.9b 1273 8-172
BJI X 04 03 54 04.4 60.60S 27.65W 10 6.4s,6.4b ¶621630031
NEIC X 04 03 54 06.8–1.9 60.42S–.07 27.5W–.10 10–1 6.1,6.1b
NEIC X 04 03 54 06.8 60.41S 27.49W 10 6.1,6.1b
ISC-P X 04 03 54 06 60.42S 27.52W 3–0 6.2,6.1b
IPGP X 04 03 54 06.0 60.42S 27.51W 9 6.2W,6.1b
MOS X 04 03 54 06.1–.91 60.33S 27.71W 10 6.3b,6.0s
GFZ X 04 03 54 07.5–.19 61S–4.0 27W–3.0 10 6.6b,6.4
NEIC X 04 03 54 07 60.39S 27.60W 10 6.6b,6.4
GFZ X 04 03 54 08.2 60.48S 27.66W 15 6.2W,6.4
PTWC X 04 03 54 10 60.60S 27.60W 6.4,6.4
IDC X 04 03 54 12.3–2.0 60.24S 27.52W 49–17 6.0s,5.6
GCMT X 04 03 54 12.3–.00 60.53S 27.19W 12 6.2W,5.6
NEIC X 04 03 54 14.9 60.51S 27.29W 14 6.2,5.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.7km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.30 $M_{\theta\theta}$0.97 $M_{\phi\phi}$0.33 $M_{r\theta}$0.37 $M_{\theta\phi}$-1.41 $M_{\phi r}$-0.13 NP1:ϕ_s142.25000°,δ40.49000°,λ-70.20000°. NP2:ϕ_s296.91000°,δ52.34000° ,λ-106.13000°. Principal axes: T 2.1321,Plg6.0000°,Azm38.0000°; N -0.7674,Plg13.0000° ,Azm307.0000°; P -1.3647,Plg76.0000°,Azm153.0000° $M_0$1.87000×10^{18}
NEIC Event type se.
ISC-P Moment Tensor Solution. s28 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.93±.12 $M_{\theta\theta}$0.28±.15; $M_{\phi\phi}$0.05±.09; $M_{r\theta}$0.13±.07; $M_{\theta\phi}$-0.09±.20; $M_{\phi r}$0.04±.11; NP1:ϕ_s354.30000°,δ50.30000° ,λ255.30000°. NP2:ϕ_s196.60000°,δ41.90000°,λ-73.00000°. $M_0$2.95000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s299.00000°,δ41.00000°,λ-111.00000°. NP2:ϕ_s146.00000° ,δ52.00000°,λ-73.00000°.
MOS Error ellipse: s-maj=17.9km s-min=8.5km az=94.2.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.92 $M_{\theta\theta}$1.19 $M_{\phi\phi}$0.73 $M_{r\theta}$-0.00 $M_{\theta\phi}$-1.56 $M_{\phi r}$0.49 NP1: ϕ_s144.49742°,δ50.81601°,λ-71.21021°. NP2:ϕ_s296.19511°,δ42.79305°,λ-111.56172°. Principal axes: T 2.5651,Plg4.1360°,Azm221.2974°; N -0.5217,Plg14.4576°,Azm312.3657° ; P -2.0434,Plg74.9374°,Azm115.7103° $M_0$2.34811×10^{18}
PTWC SOUTH SANDWICH ISLANDS REGION.
IDC Error ellipse: s-maj=14.9km s-min=12.1km az=55.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110040354A. Moment Tensor Solution. s158,c357; s163,c585;Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.04±.01 $M_{\theta\theta}$1.35±.01; $M_{\phi\phi}$0.68±.01; $M_{r\theta}$0.43±.03; $M_{\theta\phi}$-1.94±.01; $M_{\phi r}$-0.02±.03; Best double couple: NP1:ϕ_s143.00000°,δ43.00000°,λ-71.00000°. NP2:ϕ_s298.00000°,δ50.00000°,λ-106.00000°. Principal axes: T 3.0100,Plg4.0000°,Azm40.0000°; N -0.8920,Plg12.0000°,Azm309.0000° ; P -2.1210,Plg77.0000°,Azm147.0000° $M_0$2.56600×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.00 $M_{\theta\theta}$1.22 $M_{\phi\phi}$0.78 $M_{r\theta}$0.64 $M_{\theta\phi}$-1.67 $M_{\phi r}$1.05 NP1:ϕ_s284.20000°,δ49.99000° ,λ-131.76000°. NP2:ϕ_s158.44000°,δ55.16000°,λ-51.58000°. Principal axes: T 2.6966,Plg3.0000°,Azm222.0000°; N 0.0309,Plg31.0000°,Azm314.0000° ; P -2.7275,Plg59.0000°,Azm127.0000° $M_0$2.71000×10^{18}
ISC X 03 07 11 56.8–.51 59.30S–.08 25.49W–.10 32 4.6b 51 13-153
NEIC X 03 07 11 55.1–1.8 59.27S–.07 25.5W–.20 20–6 4.7b ¶621122774
IDC X 03 07 11 59.6–6.6 59.24S 25.54W 47–62 4.8L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=5.8km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.4km s-min=18.4km az=53.0.
ISC X 04 14 51 46.7–.31 60.38S–.07 27.22W–.07 19 5.0b,4.5s 179 8-158
IDC X 04 14 51 43.4–.47 60.25S 27.34W 0 4.6b,4.6 ¶621118323
NEIC X 04 14 51 45.6–1.4 60.37S–.10 27.1W–.20 10–1 5.1b,4.6
GFZ X 04 14 51 46.5–.19 60S–4.0 27W–4.0 10 6.3,6.3
GCMT X 04 14 51 49.8–.20 60.45S–.01 27.24W–.03 12 5.1W,6.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110041451A. Moment Tensor Solution. s53,c65; s130,c207; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.00±.10 $M_{\theta\theta}$2.56±.10; $M_{\phi\phi}$2.44±.09; $M_{r\theta}$2.38±.37; $M_{\theta\phi}$-2.69±.07; $M_{\phi r}$2.63±.35; Best double couple: NP1:ϕ_s290.00000°,δ50.00000° ,λ-127.00000°. NP2:ϕ_s160.00000°,δ52.00000°,λ-54.00000°. Principal axes:

T 5.1930,Plg1.0000°,Azm225.0000°; N 1.6870,Plg28.0000°,Azm316.0000°
; P -6.8800,Plg62.0000°,Azm133.0000° $M_0$6.03600×10^{16}

ISC	**X**	**04 13 06 20.7–.42**	**60.30S–.09**	**25.07W–.09**	**11**	**4.9b,3.6s**	**66**	**9-154**
IDC	X	04 13 06 19.2–.56	60.27S	25.07W	0	5.1L,4.5		¶621203122
NEIC	X	04 13 06 21.3–1.2	60.2S–.10	25.1W–.20	10–1	4.9b,4.5		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**04 01 24 02.5–.44**	**60.15S–.08**	**27.24W–.10**	**100**	**4.7b**	**65**	**8-153**
IDC	X	04 01 23 59.0–6.1	60.14S	27.63W	59–54	4.7L,4.4		¶621203089
NEIC	X	04 01 24 01.6–2.1	60.1S–.10	27.4W–.30	79–5	4.8b,4.4		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**04 06 54 35.1–1.1**	**57.9S–.20**	**25.4W–.30**	**49**	**4.1b**	**9**	**17-152**
IDC	X	04 06 54 35.8–7.9	57.87S	25.41W	54–69	4.3L,4.1		¶621203101
ISC	Event type se.							
IDC	Error ellipse: s-maj=53.9km s-min=20.6km az=58.0.							
ISC	**X**	**04 08 10 14.9–1.4**	**59.6S–.30**	**25.9W–.30**	**40**	**3.9b**	**7**	**15-153**
IDC	X	04 08 10 09.6–1.3	59.43S	26.00W	0	4.7L,4.1		¶621203108
ISC	Event type se.							
IDC	Error ellipse: s-maj=56.3km s-min=20.8km az=54.0.							
ISC	**X**	**04 21 16 48.7–.72**	**58.8S–.10**	**23.9W–.20**	**10**	**4.2b**	**27**	**8-155**
IDC	X	04 21 16 46.6–1.1	58.63S	24.17W	0	4.2L,4.2b		¶621203139
NEIC	X	04 21 16 49.4–1.5	58.8S–.10	24.0W–.30	10–1	4.2b,4.2b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**04 17 30 59.6–.46**	**60.30S–.09**	**27.5W–.10**	**10**	**4.9b,3.9s**	**53**	**8-153**
IDC	X	04 17 30 58.1–.70	60.13S	27.66W	0	4.2L,4.2b		¶621203130
NEIC	X	04 17 31 00.0–1.2	60.38S–.02	27.5W–.20	10–1	4.9b,4.2b		
GCMT	X	04 17 31 04.2–.40	60.61S–.02	27.29W–.05	12	4.8W,4.2b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110041730A. Moment Tensor Solution. s5,c5; s78,c100; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.10±.09 $M_{\theta\theta}$1.42±.08; $M_{\phi\phi}$-0.32±.07; $M_{r\theta}$-0.62±.26; $M_{\theta\phi}$-1.43±.06; $M_{\phi r}$-0.38±.27; Best double couple: NP1:ϕ_s336.00000° ,δ55.00000°,λ-31.00000°. NP2:ϕ_s85.00000°,δ65.00000°,λ-140.00000°. Principal axes: T 2.2610,Plg6.0000°,Azm208.0000°; N -0.4980,Plg44.0000°,Azm112.0000° ; P -1.7720,Plg45.0000°,Azm304.0000° $M_0$2.01700×10^{16}								
ISC	**X**	**04 18 17 44.5–.65**	**55.89S–.10**	**27.67W–.09**	**112**	**4.3b**	**25**	**5-151**
NEIC	X	04 18 17 45.0–1.4	55.9S–.10	27.5W–.20	116–10	4.4b		¶621203132
IDC	X	04 18 17 47.9–8.7	55.99S	27.65W	135–75	4.3,3.9b		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=17.7km s-min=15.8km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=51.5km s-min=23.0km az=48.0.							
ISC	**X**	**05 09 57 41.9–1.4**	**56.7S–.20**	**24.7W–.20**	**10**	**4.4b,3.4s**	**20**	**7-152**
IDC	X	05 09 57 39.1–2.8	56.36S	23.65W	0	4.1b,4.1		¶621203167
NEIC	X	05 09 57 41.7–1.1	56.7S–.10	24.6W–.20	10–2	4.5b,4.1		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**05 01 22 24.5–.55**	**58.90S–.10**	**24.5W–.10**	**10**	**4.6b,3.3s**	**39**	**8-153**
IDC	X	05 01 22 19.4–.77	58.38S	25.67W	0	4.3L,4.2b		¶621203144
NEIC	X	05 01 22 25.5–1.2	58.9S–.10	24.6W–.20	10–1	4.7b,4.2b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**05 07 35 57.3–.61**	**60.24S–.09**	**27.2W–.10**	**50**	**4.4b,3.4s**	**24**	**8-153**
IDC	X	05 07 35 49.6–1.4	59.98S	27.98W	0	4.3L,4.1b		¶621203164
NEIC	X	05 07 35 57.7–2.7	60.2S–.10	27.1W–.20	52–6	4.6b,4.1b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**05 03 51 28.8–.49**	**60.45S–.08**	**26.82W–.09**	**19**	**4.6b,4.1s**	**39**	**8-172**
IDC	X	05 03 51 25.8–.67	60.26S	26.88W	0	4.8L,4.3		¶621203150
NEIC	X	05 03 51 27.9–.93	60.4S–.10	27.0W–.20	10–1	4.8b,4.3		
GCMT	X	05 03 51 29.8–.30	60.50S–.03	27.11W–.05	18–1	4.9W,4.3		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110050351A. Moment Tensor Solution. s13,c16; s71,c91; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.96±.26 $M_{\theta\theta}$1.77±.16; $M_{\phi\phi}$1.19±.14; $M_{r\theta}$0.48±.39; $M_{\theta\phi}$-1.46±.07; $M_{\phi r}$0.33±.33; Best double couple: NP1:ϕ_s140.00000°,δ44.00000° ,λ-75.00000°. NP2:ϕ_s299.00000°,δ47.00000°,λ-104.00000°. Principal axes: T 2.9730,Plg2.0000°,Azm39.0000°; N 0.0930,Plg10.0000°,Azm309.0000° ; P -3.0660,Plg80.0000°,Azm138.0000° $M_0$3.02000×10^{16}								
ISC	**X**	**05 04 03 49.4–.54**	**60.44S–.09**	**26.8W–.10**	**19**	**4.6b,3.8s**	**37**	**8-153**
IDC	X	05 04 03 46.4–.68	60.29S	27.03W	0	4.5L,4.2		¶621203151
NEIC	X	05 04 03 48.7–1.2	60.52S–.08	26.7W–.30	10–1	4.7b,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**05 04 07 58.8–.80**	**59.8S–.10**	**25.0W–.10**	**10**	**4.6b**	**24**	**8-153**
NEIC	X	05 04 07 57.7–1.6	59.75S–.09	24.7W–.10	10–1	4.7b		¶621203152
IDC	X	05 04 08 01.6–1.1	60.27S	27.33W	0	4.4L,4.0		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=16.3km s-min=11.4km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=60.1km s-min=24.7km az=66.0.							
ISC	**X**	**05 04 13 48.7–.61**	**59.8S–.10**	**24.7W–.10**	**10**	**4.5b**	**36**	**15-154**
IDC	X	05 04 13 47.8–.70	59.79S	24.91W	0	4.6L,4.2		¶621203154
NEIC	X	05 04 13 48.9–1.2	59.9S–.10	24.8W–.10	10–1	4.7b,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**06 05 58 03.4–1.0**	**60.1S–.20**	**26.7W–.40**	**26**	**3.6b,3.5s**	**8**	**15-153**
IDC	X	06 05 57 59.7–1.1	59.95S	27.20W	0	4.1L,3.9		¶621217127
ISC	Event type se.							
IDC	Error ellipse: s-maj=63.7km s-min=26.3km az=62.0.							
ISC	**X**	**05 11 26 54.2–.67**	**60.41S–.09**	**26.54W–.10**	**10**	**4.3b,3.2s**	**27**	**8-153**
IDC	X	05 11 26 50.7–1.2	60.07S	27.69W	0	4.7L,4.3b		¶621203170
NEIC	X	05 11 26 54.8–1.3	60.4S–.10	26.59W–.09	10–1	4.3b,4.3b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**05 09 07 36.0–.69**	**59.5S–.10**	**23.9W–.10**	**10**	**4.8b,3.7s**	**99**	**9-154**
NEIC	X	05 09 07 34.3–1.2	59.25S–.07	23.4W–.10	10–1	4.8b,3.7s		¶621125894
IDC	X	05 09 07 37.8–1.5	59.77S	24.87W	0	5.0L,4.4		
GFZ	X	05 09 07 38.6–.49	60S–9.0	25W–11	10	5.3b,4.9b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**X**	**06 16 37 30.5–1.1**	**58.6S–.10**	**22.9W–.30**	**10**	**3.8b,3.5s**	**10**	**15-154**
IDC	X	06 16 37 28.5–1.1	58.51S	23.36W	0	4.3L,3.9b		¶621217160
ISC	Event type se.							
IDC	Error ellipse: s-maj=50.2km s-min=22.8km az=97.0.							
ISC	**X**	**06 08 35 18.1–.96**	**59.9S–.20**	**26.2W–.30**	**10**		**7**	**15-153**
IDC	X	06 08 35 17.2–.95	59.78S	26.52W	0	4.2L,4.2		¶621217134
ISC	Event type se.							
IDC	Error ellipse: s-maj=41.5km s-min=20.0km az=69.0.							
ISC	**X**	**05 20 10 58.5–.47**	**60.36S–.08**	**27.24W–.09**	**50**	**4.6b,3.8s**	**54**	**8-153**
IDC	X	05 20 10 50.3–.88	60.10S	28.15W	0	4.4b,4.3		¶621203191
NEIC	X	05 20 11 00.6–1.7	60.3S–.10	27.4W–.20	74–6	4.7b,4.3		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**07 06 24 25.6–.71**	**60.4S–.10**	**27.9W–.20**	**10**	**4.0b**	**25**	**8-153**
IDC	X	07 06 24 25.5–.92	60.25S	28.23W	0	4.2L,4.0b		¶621217193
NEIC	X	07 06 24 25–.65	60.2S–.20	27.3W–.50	15–6	4.0b,4.0b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**07 01 20 50.9–.45**	**58.51S–.09**	**25.5W–.10**	**38**	**4.5b,3.7s**	**64**	**7-152**
IDC	X	07 01 20 45.0–.53	58.47S	25.74W	0	4.7L,4.4b		¶621217178
NEIC	X	07 01 20 51.3–1.2	58.50S–.10	25.4W–.20	35–1	4.6b,4.4b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**08 01 36 37.7–1.1**	**57.2S–.20**	**23.4W–.30**	**10**		**7**	**15-152**
IDC	X	08 01 36 37.0–1.4	56.96S	23.73W	0	3.7b,3.7		¶621224619
ISC	Event type se.							
IDC	Error ellipse: s-maj=54.5km s-min=37.1km az=84.0.							
ISC	**X**	**07 02 03 03.9–.64**	**58.4S–.10**	**24.5W–.10**	**10**	**4.3b**	**23**	**8-153**
IDC	X	07 02 03 01.4–1.1	58.42S	26.15W	0	3.9b,3.8L		¶621217180
NEIC	X	07 02 03 03.2–.94	58.4S–.10	24.3W–.20	10–1	4.4b,3.8L		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**07 13 12 22.2–.00**	**56.3S–.20**	**27.2W–.30**	**101**	**3.9b**	**7**	**19-150**
IDC	X	07 13 12 21.7–10	56.26S	27.18W	96–98	4.2L,4.0		¶621217215
ISC	Event type se.							
IDC	Error ellipse: s-maj=41.6km s-min=25.0km az=62.0.							
ISC	**X**	**07 17 56 14.9–.22**	**55.77S–.05**	**26.47W–.05**	**10**	**5.5b,4.7s**	**445**	**6-173**
MOS	X	07 17 56 14.4–1.0	55.83S	26.78W	10	5.7b,4.7s		¶621131623
IDC	X	07 17 56 15.5–1.6	55.66S	26.41W	12–9	5.1,5.0b		
GFZ	X	07 17 56 15.7–.20	56S–4.0	26W–3.0	10	5.8b,5.6b		
NEIC	X	07 17 56 15.1–1.3	55.74S–.09	26.5W–.20	10–1	5.5b,5.3		
BJI	X	07 17 56 15.0	55.80S	26.50W	10	5.7b,5.3		
GCMT	X	07 17 56 19.6–.20	55.74S–.01	26.18W–.02	29–0	5.4W,5.3		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110071756A. Moment Tensor Solution. s77,c113; s124,c214;Duration: 1s^2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.07±.03 $M_{\theta\theta}$1.13±.03; $M_{\phi\phi}$-1.20±.03; $M_{r\theta}$-0.57±.05; $M_{\theta\phi}$-0.35±.02; $M_{\phi r}$-0.26±.04; Best double couple: NP1: ϕ_s325.00000°,δ64.00000°,λ6.00000°. NP2:ϕ_s232.00000°,δ85.00000°,λ154.00000°. Principal axes: T 1.3940,Plg22.0000°,Azm185.0000°; N -0.0590,Plg63.0000°,Azm42.0000° ; P -1.3380,Plg14.0000°,Azm281.0000° $M_0$1.36600×10^{17}								
ISC	**X**	**08 19 41 56.8–.69**	**56.8S–.10**	**25.3W–.10**	**10**	**4.6b,3.6s**	**33**	**7-151**
IDC	X	08 19 41 55.5–.96	56.68S	25.14W	0	4.0L,3.9		¶621143960
NEIC	X	08 19 41 56.8–1.5	56.8S–.20	25.3W–.30	10–1	4.5b,3.9		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**07 20 37 27.3–1.5**	**60.5S–.20**	**24.2W–.50**	**10**	**3.9b**	**7**	**14-149**
IDC	X	07 20 37 22.8–1.6	60.15S	27.66W	0	3.9b,3.9		¶621217241
ISC	Event type se.							
IDC	Error ellipse: s-maj=73.7km s-min=26.4km az=92.0.							
ISC	**X**	**08 03 12 13.7–.39**	**58.07S–.08**	**23.32W–.09**	**16**	**4.9b,3.6s**	**88**	**8-153**
IDC	X	08 03 12 11.3–.49	57.94S	23.36W	0	4.9L,4.4b		¶621143973
NEIC	X	08 03 12 13.1–2.1	58.1S–.10	23.4W–.20	10–1	5.0b,4.4b		
GCMT	X	08 03 12 16.4–.30	58.33S–.03	23.12W–.03	30–1	4.9W,4.4b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110080312A. Moment Tensor Solution. s22,c25; s65,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.58±.19 $M_{\theta\theta}$-1.02±.13; $M_{\phi\phi}$2.59±.12; $M_{r\theta}$-0.63±.22; $M_{\theta\phi}$0.55±.09; $M_{\phi r}$0.70±.14; Best double couple: NP1:ϕ_s40.00000°,δ47.00000° ,λ-41.00000°. NP2:ϕ_s160.00000°,δ61.00000°,λ-129.00000°. Principal axes: T 2.7570,Plg8.0000°,Azm277.0000°; N -0.6130,Plg34.0000°,Azm181.0000° ; P -2.1540,Plg55.0000°,Azm19.0000° $M_0$2.45500×10^{16}								
ISC	**X**	**08 12 36 40.9–.64**	**57.7S–.10**	**25.7W–.20**	**43**	**4.0b,3.6s**	**20**	**15-152**
IDC	X	08 12 36 34.8–.66	57.64S	25.69W	0	4.1L,4.1b		¶621143959
ISC	Event type se.							
IDC	Error ellipse: s-maj=29.8km s-min=18.4km az=78.0.							
ISC	**X**	**08 20 07 17.1–1.2**	**58.7S–.20**	**25.7W–.40**	**10**		**11**	**14-152**
IDC	X	08 20 07 16.2–1.3	58.59S	25.98W	0	3.8b,3.8		¶621143963
ISC	Event type se.							
IDC	Error ellipse: s-maj=73.1km s-min=27.1km az=84.0.							
ISC	**X**	**08 21 39 27.2–.34**	**56.62S–.06**	**25.64W–.07**	**29**	**5.0b,4.2s**	**132**	**7-154**
IDC	X	08 21 39 23.0–.51	56.51S	25.60W	0	4.5b,4.5		¶621143962
NEIC	X	08 21 39 26.4–1.3	56.59S–.09	25.7W–.20	20–2	5.1b,4.5		
GCMT	X	08 21 39 30.1–.20	56.82S–.03	25.30W–.03	19–0	5.0W,4.5		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110082139A. Moment Tensor Solution. s48,c62; s97,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.11±.15 $M_{\theta\theta}$-0.63±.11; $M_{\phi\phi}$-2.48±.10; $M_{r\theta}$1.05±.26; $M_{\theta\phi}$1.23±.06; $M_{\phi r}$1.88±.20; Best double couple: NP1:ϕ_s135.00000°,δ38.00000° ,λ53.00000°. NP2:ϕ_s358.00000°,δ61.00000°,λ115.00000°. Principal axes: T 4.0860,Plg65.0000°,Azm312.0000°; N -0.7270,Plg21.0000°,Azm165.0000° ; P -3.3610,Plg12.0000°,Azm70.0000° $M_0$3.72300×10^{16}								
ISC	**X**	**08 20 17 47.6–.59**	**59.7S–.10**	**26.2W–.10**	**40**	**4.4b,3.3s**	**47**	**8-153**
IDC	X	08 20 17 42.3–.70	59.61S	26.36W	0	4.7L,4.2		¶621143951
NEIC	X	08 20 17 46.7–1.2	59.6S–.20	25.8W–.40	35–2	4.5b,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**08 19 01 25.1–.89**	**55.5S–.10**	**28.7W–.30**	**45**	**4.0b,4.0s**	**11**	**18-152**
IDC	X	08 19 01 18.9–.84	55.40S	28.66W	0	4.3L,4.1		¶621143997
ISC	Event type se.							
IDC	Error ellipse: s-maj=40.5km s-min=21.9km az=80.0.							
ISC	**X**	**08 21 53 45.8–.60**	**56.49S–.09**	**25.50W–.09**	**29**	**4.5b**	**35**	**7-151**
IDC	X	08 21 53 41.1–1.3	56.45S	25.27W	0	4.1b,4.1		¶621143995
NEIC	X	08 21 53 42.8–1.9	56.55S–.08	25.4W–.10	10–1	4.6b,4.1		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**08 20 51 45.4–.97**	**57.7S–.10**	**24.5W–.30**	**10**	**3.9b**	**11**	**15-152**
IDC	X	08 20 51 44.1–1.0	57.60S	24.67W	0	4.2s,3.9		¶621143974
ISC	Event type se.							
IDC	Error ellipse: s-maj=50.0km s-min=24.9km az=79.0.							
ISC	**X**	**09 17 53 23.6–1.3**	**58.6S–.10**	**23.7W–.30**	**35**		**11**	**14-153**
IDC	X	09 17 53 15.2–1.4	58.23S	25.84W	0	4.5L,3.9		¶621146891
ISC	Event type se.							
IDC	Error ellipse: s-maj=73.6km s-min=26.7km az=87.0.							
ISC	**X**	**08 22 55 34.6–.31**	**60.21S–.07**	**24.24W–.07**	**10**	**4.9b,3.7s**	**135**	**9-155**
IDC	X	08 22 55 33.2–.43	60.15S	24.25W	0	5.4L,4.5b		¶621143966
NEIC	X	08 22 55 34.7–1.4	60.18S–.09	24.30W–.09	10–1	5.0b,4.5b		
GCMT	X	08 22 55 39.4–.30	60.30S–.04	23.55W–.05	25–1	4.9W,4.5b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110082255A. Moment Tensor Solution. s19,c21; s75,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.04±.21 $M_{\theta\theta}$-0.39±.14; $M_{\phi\phi}$2.43±.14; $M_{r\theta}$0.21±.30; $M_{\theta\phi}$1.25±.07; $M_{\phi r}$-0.41±.29; Best double couple: NP1:ϕ_s216.00000°,δ43.00000° ,λ-68.00000°. NP2:ϕ_s7.00000°,δ50.00000°,λ-109.00000°. Principal axes: T 2.9240,Plg4.0000°,Azm110.0000°; N -0.7750,Plg15.0000°,Azm20.0000°								

; P -2.1490,Plg75.0000°,Azm214.0000° M0 2.53700×10^16
ISC X 09 01 35 39.5–.71 58.7S–.10 25.2W–.20 10 4.0b,3.6s 16 14-153
IDC X 09 01 35 38.3–.80 58.60S 25.29W 0 4.0b,3.9 ¶621146873
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=25.3km az=91.0.
ISC X 09 15 22 04.2–.73 60.5S–.10 24.9W–.20 11 4.3b,3.6s 20 12-157
IDC X 09 15 22 02.6–.72 60.32S 25.11W 0 4.8L,4.4b ¶621146874
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=18.8km az=68.0.
ISC X 10 05 25 38.3–.47 56.68S–.06 27.38W–.07 146–3 4.9b 259 6-151
NEIC X 10 05 25 38.5–1.2 56.7S–.10 27.4W–.20 143–5 4.9b ¶621144134
IDC X 10 05 25 38.4–.70 56.67S 27.38W 140–5 4.8,4.4b
GFZ X 10 05 25 40.3–.31 57S–5.0 28W–4.0 157 5.8b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 11 06 15 46.4–.67 59.35S–.09 25.6W–.10 32 4.4b,3.3s 56 8-153
NEIC X 11 06 15 42.9–1.7 59.2S–.10 25.3W–.20 10–1 4.4b,3.3s ¶621147896
IDC X 11 06 15 42.4–.92 59.27S 25.92W 0 4.7L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=15.1km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.3km s-min=18.8km az=63.0.
ISC X 10 14 28 27.3–.68 57.2S–.10 24.9W–.10 10 4.6b,3.8s 33 7-152
NEIC X 10 14 28 26.7–.92 57.2S–.10 24.8W–.20 10–1 4.7b,3.8s ¶621235388
IDC X 10 14 28 26.1–.85 57.25S 25.10W 0 4.4b,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=15.2km az=38.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.4km s-min=21.3km az=80.0.
ISC X 12 00 29 53.4–.78 59.5S–.10 25.7W–.10 10 4.3b 22 8-150
NEIC X 12 00 29 53.7–1.3 59.6S–.10 25.7W–.10 10–1 4.4b ¶621236915
IDC X 12 00 29 54.8–1.1 59.81S 26.90W 0 4.5L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=9.2km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.3km s-min=23.0km az=81.0.
ISC X 11 14 20 43.7–.85 57.4S–.10 25.5W–.20 10 4.3b 18 7-152
NEIC X 11 14 20 41.6–.67 57.27S–.08 24.9W–.30 10–2 4.6b ¶621236891
IDC X 11 14 20 41.2–.94 57.42S 25.59W 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=6.6km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.5km s-min=22.4km az=76.0.
ISC X 11 20 59 41.5–1.1 58.0S–.10 25.5W–.40 49 3.8b 12 15-152
IDC X 11 20 59 34.4–1.0 57.84S 25.95W 0 4.0L,4.0b ¶621236908
ISC Event type se.
IDC Error ellipse: s-maj=66.9km s-min=24.1km az=93.0.
ISC X 11 21 42 17.0–.91 57.4S–.10 25.1W–.30 15 4.1b 12 15-152
IDC X 11 21 42 14.9–.91 57.31S 25.20W 0 4.0L,4.0b ¶621147895
ISC Event type se.
IDC Error ellipse: s-maj=44.9km s-min=22.8km az=81.0.
ISC X 11 01 21 57.1–.51 57.97S–.09 25.4W–.10 49 4.4b,3.4s 60 7-154
IDC X 11 01 21 50.2–.65 57.92S 25.67W 0 4.3L,4.3b ¶621147858
NEIC X 11 01 21 56.0–1.8 57.95S–.05 25.3W–.20 35–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 02 36 00.5–.49 57.01S–.08 25.13W–.09 22 4.7b,3.4s 42 7-152
IDC X 12 02 35 57.2–.90 56.91S 24.97W 0 4.1b,4.1 ¶621236919
NEIC X 12 02 35 58.9–.94 57.0S–.10 25.11W–.09 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 06 42 00.7–.93 57.4S–.10 24.3W–.20 10 4.0b,3.5s 12 15-152
IDC X 12 06 41 59.6–.93 57.27S 24.37W 0 4.0b,4.0 ¶621236927
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=22.6km az=72.0.
ISC X 12 03 22 52.3–.53 58.96S–.09 25.45W–.09 35 4.3b,3.4s 44 8-153
IDC X 12 03 22 47.3–.65 58.88S 25.50W 0 4.7L,4.2 ¶621236921
NEIC X 12 03 22 52.6–1.4 59.0S–.10 25.4W–.20 35–2 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 13 19 26.1–.51 58.59S–.08 25.1W–.10 28 4.3b,3.2s 43 8-153
IDC X 13 13 19 22.8–.84 58.53S 25.38W 0 4.7L,4.1 ¶621186172
NEIC X 13 13 19 27.4–1.4 58.56S–.08 25.1W–.20 35–2 4.1b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 13 38 33.5–.56 59.78S–.09 26.05W–.09 16 4.8b,3.7s 79 8-153
IDC X 12 13 38 29.3–.81 59.52S 25.83W 0 5.1L,4.3 ¶621146415
GFZ X 12 13 38 33.5–.27 60S–6.0 26W–7.0 10 6.2b,5.9
NEIC X 12 13 38 36.0–1.1 59.8S–.10 26.1W–.20 35–2 4.7b,5.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 01 13 42.0–.88 58.3S–.20 24.0W–.20 10 3.2s 12 14-153
IDC X 13 01 13 41.4–1.1 58.05S 24.02W 0 4.3L,4.0 ¶621238942
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=30.7km az=32.0.
ISC X 13 09 49 08.7–.33 58.57S–.07 25.17W–.08 28 4.7b,3.9s 153 8-155
IDC X 13 09 49 04.5–.49 58.53S 25.16W 0 5.0L,4.5b ¶621146900
GFZ X 13 09 49 05.7–.30 59S–6.0 25W–7.0 10 6.6b,6.4
NEIC X 13 09 49 09.9–1.1 58.6S–.10 25.1W–.10 35–2 4.9b,6.4
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 05 49 02.8–.47 58.78S–.08 25.72W–.09 35 4.5b,3.2s 56 7-152
IDC X 12 05 48 57.3–.62 58.67S 26.02W 0 4.4b,4.4 ¶621236926
NEIC X 12 05 49 02.8–.97 58.76S–.08 25.6W–.20 35–2 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 17 32 19.6–.55 59.68S–.09 26.82W–.10 35 4.3b 44 8-153
NEIC X 12 17 32 23–1.4 59.7S–.10 26.7W–.30 73–7 4.5b ¶621236961
IDC X 12 17 32 24.1–6.2 59.80S 26.62W 79–56 4.6L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=16.2km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.2km s-min=18.8km az=69.0.
ISC X 13 05 24 46.6–.48 58.81S–.05 25.28W–.06 32–3 4.9b,3.8s 214 8-153
IDC X 13 05 24 41.9–.42 58.73S 25.22W 0 4.8L,4.7b ¶621186203
NEIC X 13 05 24 46.9–1.6 58.82S–.02 25.3W–.20 35–1 4.8b,4.7b
GFZ X 13 05 24 55.6–.49 61S–9.0 29W–10 36 5.1b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 13 13 46 38.4–1.4 59.1S–.20 25.2W–.40 10 9 14-153
IDC X 13 13 46 36.4–1.4 58.96S 26.22W 0 4.0L,3.9 ¶621186167
ISC Event type se.
IDC Error ellipse: s-maj=76.0km s-min=27.9km az=88.0.
ISC X 14 03 29 45.2–.65 59.90S–.09 26.2W–.10 35 4.6b 35 8-153
IDC X 14 03 29 40.3–.87 59.59S 26.50W 0 4.3L,4.0b ¶621203206
NEIC X 14 03 29 46.1–1.7 59.9S–.10 26.3W–.20 35–2 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 22 08 56.4–.68 60.6S–.10 25.5W–.10 10 4.4b,3.2s 27 12-154
NEIC X 13 22 08 55.7–.71 60.5S–.10 25.5W–.10 10–1 4.4b,3.2s ¶621186173
IDC X 13 22 08 56.0–.82 60.59S 26.15W 0 4.4L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=8.5km az=18.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.3km s-min=16.9km az=57.0.
ISC X 14 12 47 55.1–.43 58.10S–.08 23.58W–.08 16 4.7b,3.6s 56 8-153
IDC X 14 12 47 52.8–.52 58.01S 23.59W 0 4.9L,4.4b ¶621203255
NEIC X 14 12 47 54.5–2.2 58.17S–.08 23.6W–.20 10–1 4.9b,4.4b
GCMT X 14 12 47 58.0–.40 58.24S–.05 23.27W–.05 20–1 4.8W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110141247A. Moment Tensor Solution. s14,c15; s72,c87; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-1.91±.19 Mθθ0.03±.12; Mϕϕ1.88±.12; Mrθ-0.26±.32; Mθϕ-0.02±.07; Mϕr0.03±.20; Best double couple: NP1:ϕs7.00000°,δ45.00000°,λ-80.00000°. NP2:ϕs172.00000°,δ46.00000°,λ-100.00000°. Principal axes: T 1.8800,Plg0.0000°,Azm269.0000°; N 0.0630,Plg7.0000°,Azm179.0000°; P -1.9430,Plg83.0000°,Azm3.0000° M0 1.91200×10^16
ISC X 15 07 26 55.4–.74 60.3S–.10 24.6W–.10 10 4.3b 21 14-154
IDC X 15 07 26 54.6–.96 60.20S 24.79W 0 4.7L,4.1 ¶621242043
NEIC X 15 07 26 55.4–1.4 60.2S–.20 24.6W–.10 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 15 04 23 55.7–1.7 60.57S 27.58W 0 4.2L,3.9b ¶621242035
IDC Error ellipse: s-maj=71.6km s-min=26.8km az=92.0.
ISC X 14 08 19 00.7–.58 59.54S–.09 26.0W–.10 35 4.1b 32 13-95
IDC X 14 08 18 57.2–1.2 59.64S 26.79W 0 4.2L,3.9 ¶621203203
NEIC X 14 08 19 00.7–1.3 59.4S–.10 25.9W–.20 35–1 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 14 08 21 40.7–1.4 57.5S–.20 26.0W–.20 65 4.2b 16 7-152
IDC X 14 08 21 28.6–1.3 59.49S 27.19W 0 4.1b,4.0 ¶621203226
NEIC X 14 08 21 43.1–1.6 57.4S–.20 26.2W–.20 86–13 4.0b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 02 35 18.3–.55 59.68S–.10 26.3W–.10 61 4.6b 61 8-153
IDC X 16 02 35 10.4–.61 59.64S 26.62W 0 4.5L,4.4b ¶621242097
NEIC X 16 02 35 18.0–1.2 59.7S–.10 26.2W–.30 56–7 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 15 11 48 11.1–1.2 59.1S–.20 23.8W–.40 10 4.2b,3.3s 10 15-153
IDC X 15 11 48 07.0–1.2 58.79S 25.75W 0 4.5L,4.4b ¶621242060
ISC Event type se.
IDC Error ellipse: s-maj=68.0km s-min=28.4km az=75.0.
ISC X 15 09 49 28.2–.59 56.85S–.09 26.9W–.10 150 4.4b 32 6-151
IDC X 15 09 49 27.8–7.2 56.72S 26.78W 135–68 4.4,4.0b ¶621242056
NEIC X 15 09 49 27.7–1.3 56.8S–.10 26.8W–.20 140–10 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 15 16 56 30.7–1.4 57.7S–.20 25.8W–.50 50 6 17-152
IDC X 15 16 56 23.5–1.3 57.63S 26.20W 0 3.8b,3.8 ¶621242073
ISC Event type se.
IDC Error ellipse: s-maj=79.4km s-min=29.5km az=91.0.
ISC X 17 17 20 55.1–.46 58.08S–.08 23.66W–.08 16 4.5b,3.6s 56 8-153
IDC X 17 17 20 53.6–.64 58.00S 23.66W 0 4.6L,4.3 ¶621242895
NEIC X 17 17 20 54.4–1.6 58.1S–.10 23.63W–.09 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 13 24 07.9–.64 58.78S–.06 24.74W–.07 17–3 5.0b,4.5s 236 8-174
IDC X 16 13 24 05.4–.40 58.70S 24.86W 0 4.9L,4.7b ¶621204670
NEIC X 16 13 24 06.7–1.7 58.9S–.10 24.8W–.20 10–1 5.0b,4.7b
GFZ X 16 13 24 08.5–.24 59S–4.0 25W–4.0 29 5.3b,5.2L
GCMT X 16 13 24 11.9–.20 59.00S–.02 24.18W–.02 20–0 5.1W,5.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110161324A. Moment Tensor Solution. s67,c92; s102,c161; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr4.17±.16 Mθθ1.01±.13; Mϕϕ-5.19±.12; Mrθ-0.51±.25; Mθϕ-0.29±.08; Mϕr2.46±.20; Best double couple: NP1:ϕs193.00000°,δ32.00000°,λ106.00000°. NP2:ϕs354.00000°,δ59.00000°,λ80.00000°. Principal axes: T 4.8610,Plg74.0000°,Azm239.0000°; N 0.9300,Plg8.0000°,Azm359.0000°; P -5.8010,Plg14.0000°,Azm91.0000° M0 5.33100×10^16
ISC X 17 02 36 55.5–.60 58.6S–.10 25.7W–.10 100 4.4b 23 7-154
IDC X 17 02 36 43.0–1.2 58.36S 27.09W 0 4.4b,4.3 ¶621242863
NEIC X 17 02 36 54.0–1.8 58.5S–.10 25.6W–.30 78–10 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 16 16 05 06.7–1.3 58.36S 26.04W 0 3.8b,3.8 ¶621242130
IDC Error ellipse: s-maj=100.5km s-min=33.0km az=95.0.
ISC X 17 18 08 54.1–2.6 58.8S–.40 24.6W–.40 10 3.6b 10 14-153
IDC X 17 18 08 53.9–2.6 58.81S 25.15W 0 4.2L,3.8 ¶621208860
ISC Event type se.
IDC Error ellipse: s-maj=86.3km s-min=27.9km az=55.0.
ISC X 17 13 59 59.6–.66 59.55S–.10 26.0W–.10 10 4.1b,3.5s 31 8-150
IDC X 17 13 59 59.0–.92 59.54S 26.17W 0 4.6L,4.1 ¶621208858
NEIC X 17 14 00 00.2–.78 59.5S–.10 26.0W–.20 15–4 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 20 01 02 54.1–.38 58.47S–.08 23.83W–.08 10 4.8b,3.7s 100 8-153
IDC X 20 01 02 52.4–.51 58.34S 23.91W 0 4.5b,4.5 ¶621242936
NEIC X 20 01 02 54.0–1.3 58.5S–.10 23.9W–.20 10–1 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 19 06 31 00.2–1.2 57.9S–.20 25.6W–.40 49 3.7b 11 15-152
IDC X 19 06 30 53.5–1.4 57.81S 25.48W 0 4.0L,3.8b ¶621237839
ISC Event type se.
IDC Error ellipse: s-maj=71.7km s-min=20.5km az=63.0.
ISC X 19 01 42 29.7–.41 57.97S–.07 25.51W–.09 49 4.6b,3.6s 60 7-152
NEIC X 19 01 42 28.9–1.4 58.0S–.10 25.5W–.20 35–2 4.7b,3.6s ¶621237843
IDC X 19 01 42 31.2–.55 57.90S 25.62W 59–4 4.4,4.1b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=20.9km s-min=15.5km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.4km s-min=14.5km az=70.0.
ISC X 19 10 38 03.7–.57 58.80S–.08 25.5W–.10 35 4.3b 40 8-153
IDC X 19 10 37 59.4–1.1 58.75S 25.42W 0 4.5L,4.3 **¶621237838**
NEIC X 19 10 38 03.9–1.5 58.80S–.09 25.5W–.20 35–1 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 19 19 54 52.5–.58 59.1S–.10 25.3W–.10 35 4.2b 43 14-153
IDC X 19 19 54 48.1–.82 58.87S 25.35W 0 4.7L,4.1b **¶621237845**
NEIC X 19 19 54 52.9–1.7 59.12S–.07 25.4W–.30 35–2 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 20 07 00 57.9–1.6 58.5S–.20 25.1W–.40 35 11 14-153
IDC X 20 07 00 46.1–1.6 57.64S 25.65W 0 4.1L,4.0 **¶621242947**
ISC Event type se.
IDC Error ellipse: s-maj=90.4km s-min=34.5km az=82.0.
ISC X 21 10 03 51.5–1.9 59.6S–.30 24.8W–.40 10 3.9b 6 15-153
IDC X 21 10 03 50.3–2.1 59.55S 24.98W 0 3.9b,3.9 **¶621261403**
ISC Event type se.
IDC Error ellipse: s-maj=83.4km s-min=20.8km az=54.0.
ISC X 20 19 37 07.9–.48 57.78S–.06 25.26W–.07 35–2 4.8b,3.9s 205 7-156
NEIC X 20 19 37 07.9–1.7 57.80S–.09 25.4W–.20 35–1 4.9b,3.9s **¶621224732**
GFZ X 20 19 37 08.2–.52 58S–4.0 25W–5.0 32–4 5.8b,5.4
IDC X 20 19 37 09.4–4.7 57.69S 25.40W 44–42 4.5,4.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.9km az=35.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=12.2km s-min=6.3km az=52.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=22.9km s-min=16.5km az=41.0.
ISC X 21 16 53 25.9–.69 57.5S–.10 25.0W–.10 15 4.5b,3.7s 43 11-152
IDC X 21 16 53 23.9–.96 57.30S 24.88W 0 4.1b,4.1 **¶621261417**
NEIC X 21 16 53 29.3–1.2 57.55S–.08 25.2W–.20 35–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 16 26 49.9–.72 58.90S–.09 25.0W–.10 10 4.3b 32 8-153
IDC X 23 16 26 49.0–1.1 58.81S 25.07W 0 4.5L,4.1 **¶621240699**
NEIC X 23 16 26 50.2–2.0 58.9S–.10 24.9W–.20 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 01 19 14.6–.65 59.7S–.10 26.0W–.20 35 4.3b 40 8-153
IDC X 23 01 19 09.6–.73 59.60S 26.09W 0 4.8L,4.3 **¶621240701**
NEIC X 23 01 19 14.8–1.1 59.8S–.10 26.1W–.10 35–2 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 22 21 57 46.8–.41 57.31S–.06 25.69W–.08 43 4.8b,3.4s 72 7-152
IDC X 22 21 57 40.5–1.2 57.16S 25.24W 0 4.2b,4.2 **¶621309351**
NEIC X 22 21 57 46.2–1.2 57.35S–.04 25.7W–.20 35–1 4.8b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 22 05 21 07.9–.62 59.8S–.10 26.2W–.10 35 4.3b 26 15-153
IDC X 22 05 21 02.6–1.0 59.64S 26.12W 0 4.5L,4.0 **¶621309313**
NEIC X 22 05 21 08.4–1.7 59.8S–.10 26.3W–.30 35–2 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 22 11 26 39.7–1.3 56.5S–.20 25.2W–.30 40 4.3b,4.0s 7 18-151
IDC X 22 11 26 33.9–1.2 56.49S 25.18W 0 4.3L,4.2b **¶621309322**
ISC Event type se.
IDC Error ellipse: s-maj=54.9km s-min=21.9km az=59.0.
ISC X 22 11 32 49.1–.75 56.6S–.10 25.1W–.10 40 4.3b 34 7-151
IDC X 22 11 32 43.8–1.2 56.40S 24.98W 0 4.1b,4.0 **¶621309323**
NEIC X 22 11 32 45.0–1.6 56.6S–.20 25.1W–.20 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 00 34 18.5–.32 56.29S–.04 27.93W–.05 129–2 5.4b 773 5-175
NEIC X 23 00 34 17.0–1.7 56.25S–.08 27.9W–.10 112–4 5.4b,5.2 **¶621630068**
GFZ X 23 00 34 18.8 56.29S 27.99W 118 5.2W,5.2
GFZ X 23 00 34 18.8–.29 56S–3.0 28W–3.0 121–2 5.8b,5.5
IDC X 23 00 34 21.2–1.1 56.17S 27.62W 149–9 5.4,4.9b
GCMT X 23 00 34 21.0–.10 56.30S–.01 27.59W–.02 127–0 5.3W,4.9b
GCG X 23 00 34 24.4–2.2 59.82S 39.90W 50–999 5.3W,4.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=11.1km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}6.63 $M_{\theta\theta}$-6.80 $M_{\phi\phi}$0.17 $M_{r\theta}$-1.80 $M_{\theta\phi}$-0.37 $M_{\phi r}$3.62 NP1: ϕ_s66.25770°,δ42.46993°,λ54.06770°. NP2:ϕ_s290.75257°,δ56.85776°,λ118.24306°. Principal axes: T 8.4644,Plg65.2541°,Azm253.8227°; N -1.4229,Plg23.3426°,Azm94.3862° ; P -7.0416,Plg7.7584°,Azm1.0156° $M_0$7.85030×10^{16}
GFZ Error ellipse: s-maj=7.2km s-min=4.7km az=34.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=14.0km s-min=9.9km az=58.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110230034A. Moment Tensor Solution. s121,c182; s145,c260;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.77±.01 $M_{\theta\theta}$-0.93±.02; $M_{\phi\phi}$0.16±.02; $M_{r\theta}$-0.26±.01; $M_{\theta\phi}$-0.01±.02; $M_{\phi r}$0.48±.01; Best double couple: NP1:ϕ_s65.00000° ,δ43.00000°,λ48.00000°. NP2:ϕ_s295.00000°,δ60.00000°,λ122.00000°. Principal axes: T 1.0610,Plg61.0000°,Azm256.0000°; N -0.0860,Plg27.0000°,Azm98.0000° ; P -0.9750,Plg9.0000°,Azm3.0000° $M_0$1.01800×10^{17}
GCG Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ISC X 23 08 00 42.6–.52 57.48S–.06 25.72W–.08 59–4 5.0b,3.5s 161 7-153
NEIC X 23 08 00 42.2–1.5 57.49S–.09 25.72W–.10 54–7 5.0b,3.5s **¶621237872**
IDC X 23 08 00 45.7–2.9 57.43S 25.81W 84–25 4.7,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=4.7km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.0km s-min=13.7km az=60.0.
ISC X 23 19 59 13.6–.76 60.1S–.10 29.8W–.20 10 4.0b,3.8s 27 7-152
IDC X 23 19 59 12.1–1.9 59.94S 30.07W 0 4.0L,4.0b **¶621240704**
NEIC X 23 19 59 14.0–1.9 60.1S–.10 29.9W–.40 10–1 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 28 17 08 56.0–1.2 58.0S–.20 24.9W–.50 10 4.2b 13 15-152
IDC X 28 17 08 55.6–1.2 57.97S 25.50W 0 4.3L,4.1b **¶621243456**
ISC Event type se.
IDC Error ellipse: s-maj=79.9km s-min=28.1km az=78.0.
ISC X 26 08 54 23.5–.56 59.67S–.10 25.9W–.10 40 4.7b 51 8-153
IDC X 26 08 54 18.0–.75 59.56S 26.02W 0 4.8L,4.2 **¶621242158**
NEIC X 26 08 54 20.8–.86 59.6S–.10 25.8W–.20 18–3 4.9b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 26 08 44 22.0–.38 59.54S–.07 25.23W–.08 35 4.8b,3.7s 109 8-158
IDC X 26 08 44 18.8–.57 59.57S 26.13W 0 5.1L,4.3b **¶621239848**
NEIC X 26 08 44 20.1–1.1 59.41S–.05 25.0W–.20 25–5 5.0b,4.3b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 27 14 55 52.2–.48 58.69S–.09 25.4W–.10 38 4.3b,3.2s 51 8-153
NEIC X 27 14 55 52.0–.68 58.7S–.10 25.41W–.10 35–1 4.4b,3.2s **¶621242651**
IDC X 27 14 55 53.1–7.7 58.57S 25.25W 39–62 4.6L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=6.9km az=18.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.5km s-min=22.0km az=45.0.
ISC X 24 14 56 41.3–.47 57.20S–.09 25.05W–.10 22 4.7b,3.9s 97 7-157
IDC X 24 14 56 38.3–.70 57.15S 24.79W 0 4.4b,4.4 **¶621238295**
GFZ X 24 14 56 39.3–.43 57S–7.0 25W–10 10 4.8b,4.8
NEIC X 24 14 56 43.8–2.0 57.3S–.10 25.2W–.20 35–1 4.8b,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 05 27 23.8–.54 57.97S–.09 25.3W–.10 49 4.4b,3.7s 43 7-152
IDC X 29 05 27 17.1–.86 57.84S 25.37W 0 4.8L,4.3 **¶621246679**
NEIC X 29 05 27 24.9–1.1 58.00S–.02 25.5W–.30 56–8 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 06 38 19.7–.70 59.12S–.06 25.83W–.07 44–6 4.9b,3.8s 227 8-174
GFZ X 29 06 38 19.1–.32 59S–4.0 26W–4.0 37–2 5.8b,5.3 **¶621243380**
IDC X 29 06 38 19.4–2.5 59.07S 25.98W 39–20 4.7,4.6L
NEIC X 29 06 38 20.3–1.4 59.1S–.10 25.8W–.20 48–7 5.0b,4.6L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 14 56 30.0–1.6 59.3S–.20 25.6W–.40 10 4.0b,3.5s 11 14-153
IDC X 29 14 56 28.2–1.5 59.15S 26.06W 0 4.8L,4.2 **¶621246687**
ISC Event type se.
IDC Error ellipse: s-maj=60.9km s-min=32.6km az=75.0.
ISC X 29 07 20 15.1–.53 59.23S–.09 25.45W–.10 35 4.5b,3.6s 50 8-153
IDC X 29 07 20 09.7–.76 59.05S 25.41W 0 4.7L,4.4 **¶621246673**
NEIC X 29 07 20 15.7–1.5 59.3S–.10 25.5W–.20 35–2 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 07 32 20.3–.74 58.4S–.10 23.22W–.10 10 3.9b 25 8-153
IDC X 29 07 32 18.3–.92 58.31S 23.47W 0 4.6L,4.0 **¶621391425**
NEIC X 29 07 32 20.3–.50 58.4S–.10 23.1W–.20 10–1 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 30 04 11 28.4–.95 59.3S–.10 25.5W–.10 32 4.4b 27 8-153
IDC X 30 04 11 23.7–1.2 59.21S 25.52W 0 4.3b,4.3 **¶621395150**
NEIC X 30 04 11 29.2–2.6 59.4S–.10 25.6W–.20 35–2 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 22 07 58.1–.60 59.52S–.08 25.72W–.09 32 4.4b 41 8-150
IDC X 29 22 07 52.5–1.1 59.21S 25.61W 0 4.6L,4.2 **¶621246698**
NEIC X 29 22 07 59.5–1.1 59.6S–.10 25.8W–.20 35–2 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 01 04 21 27.4–.84 58.1S–.10 24.3W–.20 10 4.3b 34 8-153
NEIC XI 01 04 21 27.6–2.2 58.1S–.20 24.4W–.30 10–1 4.5b **¶621309450**
IDC XI 01 04 21 28.8–1.6 58.67S 26.42W 0 4.1L,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.9km s-min=15.6km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=68.4km s-min=23.0km az=61.0.
ISC X 30 01 13 47.7–.39 56.99S–.07 27.23W–.08 150 4.7b 119 6-151
NEIC X 30 01 13 47.1–1.2 57.0S–.10 27.1W–.20 134–5 4.7b **¶621395149**
IDC X 30 01 13 47.1–1.4 57.01S 27.04W 134–11 4.8,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=13.1km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=12.7km az=66.0.
ISC X 30 12 42 45.1–.45 59.34S–.09 25.50W–.09 35 4.6b,3.5s 69 8-153
NEIC X 30 12 42 45.3–.95 59.4S–.10 25.5W–.10 35–1 4.7b,3.5s **¶621395175**
IDC X 30 12 42 52.8–6.3 59.56S 26.02W 96–55 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=7.1km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.4km s-min=18.5km az=37.0.
ISC XI 01 04 40 35.7–.34 58.01S–.07 24.45W–.07 10 4.8b,3.9s 204 8-154
IDC XI 01 04 40 34.9–.55 57.88S 24.36W 0 4.5L,4.5b **¶621244959**
NEIC XI 01 04 40 36.0–1.5 58.0S–.10 24.5W–.20 10–1 5.0b,4.5b
GFZ XI 01 04 40 39.7–.22 58S–4.0 25W–4.0 33 5.8b,5.4
GCMT XI 01 04 40 40.2–.40 58.22S–.05 23.98W–.04 24–1 4.9W,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111010440A. Moment Tensor Solution. s20,c22; s77,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.87±.23 $M_{\theta\theta}$-0.34±.14; $M_{\phi\phi}$-2.53±.14; $M_{r\theta}$0.13±.19; $M_{\theta\phi}$0.21±.07; $M_{\phi r}$0.49±.15; Best double couple: NP1:ϕ_s172.00000°,δ40.00000° ,λ85.00000°. NP2:ϕ_s358.00000°,δ50.00000°,λ94.00000°. Principal axes: T 2.9200,Plg84.0000°,Azm297.0000°; N -0.3300,Plg3.0000°,Azm175.0000° ; P -2.5910,Plg5.0000°,Azm85.0000° $M_0$2.75600×10^{16}
ISC XI 01 05 39 45.7–.49 58.03S–.08 25.5W–.10 49 4.4b 66 7-152
NEIC XI 01 05 39 44.6–1.0 58.0S–.10 25.4W–.20 35–2 4.5b **¶621309461**
IDC XI 01 05 39 48.7–7.3 57.95S 25.30W 69–64 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=13.9km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.7km s-min=16.8km az=60.0.
ISC XI 01 00 02 49.9–.53 58.15S–.04 25.46W–.04 30–3 6.0b,5.7s 1219 7-175
GFZ XI 01 00 02 48.0 58.08S 25.56W 30 5.9W,5.7s **¶621244913**
BJI XI 01 00 02 47.6 58.00S 25.50W 30 6.0s,5.9b
ISC-P XI 01 00 02 48 58.03S 25.27W 15–0 6.3,5.9b
NEIC XI 01 00 02 49.0–1.8 58.03S–.08 25.3W–.10 22–1 6.0b,5.7
IDC XI 01 00 02 48.6–1.3 57.94S 25.33W 22–7 5.8,5.7b
NEIC XI 01 00 02 49.1 58.04S 25.24W 22 5.8,5.7b
NEIC XI 01 00 02 49 58.04S 25.22W 22 5.8,5.7b
MOS XI 01 00 02 50.1–1.1 58.02S 25.36W 38 6.1b,5.7s
IPGP XI 01 00 02 51.0 58.05S 25.32W 25 6.1W,5.7s
GFZ XI 01 00 02 52.0–.11 58S–3.0 26W–2.0 41 6.4b,6.1
PTWC XI 01 00 02 53 57.90S 24.80W 86 6.2,6.1
GCMT XI 01 00 02 54.2–.10 58.10S 24.72W 38–0 6.0W,6.1
NEIC XI 01 00 02 55.7 58.04S 24.86W 40 6.0,6.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}8.79 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$-8.13 $M_{r\theta}$0.57 $M_{\theta\phi}$2.52 $M_{\phi r}$3.09 NP1: ϕ_s154.33763°,δ36.89916°,λ75.88288°. NP2:ϕ_s351.79577°,δ54.38924°,λ100.37721°. Principal axes: T 9.4374,Plg77.7415°,Azm298.6577°; N -0.1051,Plg8.4208°,Azm165.7094° ; P -9.3323,Plg8.8436°,Azm74.3896° $M_0$9.38531×10^{17}

ISC-P Moment Tensor Solution. s28 Moment tensor: Scale 10^{18}Nm; M_{rr}0.58±.16 $M_{\theta\theta}$0.11±.17; $M_{\phi\phi}$-0.68±.16; $M_{r\theta}$0.04±.16; $M_{\theta\phi}$0.20±.25; $M_{\phi r}$0.23±.13; NP1:ϕ_s355.30000°,δ53.60000° ,λ103.50000°. NP2:ϕ_s153.20000°,δ38.50000°,λ72.40000°. M_o4.03000×10^{18}

NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.5km az=35.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.79 $M_{\theta\theta}$-1.77 $M_{\phi\phi}$-3.02 $M_{r\theta}$-0.63 $M_{\theta\phi}$0.72 $M_{\phi r}$3.03 NP1:ϕ_s342.84000°,δ63.57000°,λ93.85000°. NP2:ϕ_s154.24000°,δ26.69000° ,λ82.30000°. Principal axes: T 5.8439,Plg71.0000°,Azm261.0000°; N -1.4808,Plg3.0000° ,Azm161.0000°; P -4.3631,Plg18.0000°,Azm70.0000° M_o5.26000×10^{17}

IDC Error ellipse: s-maj=15.0km s-min=11.8km az=55.0.

NEIC Event type se.

NEIC Event type se.

MOS Error ellipse: s-maj=18.5km s-min=10.6km az=97.4.

IPGP Moment Tensor Solution. NP1:ϕ_s176.00000°,δ35.00000°,λ97.00000°. NP2:ϕ_s347.00000° ,δ56.00000°,λ85.00000°.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

PTWC SOUTH SANDWICH ISLANDS REGION.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111010002A. Moment Tensor Solution. s171,c389; s168,c597;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}1.11±.01 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$-1.14±.01; $M_{r\theta}$-0.12±.01; $M_{\theta\phi}$0.15±.00; $M_{\phi r}$0.52±.01; Best double couple: NP1:ϕ_s176.00000°,δ33.00000°,λ95.00000°. NP2:ϕ_s350.00000°,δ58.00000°,λ87.00000°. Principal axes: T 1.2290,Plg77.0000°,Azm251.0000°; N 0.0510,Plg2.0000°,Azm352.0000° ; P -1.2760,Plg12.0000°,Azm82.0000° M_o1.25200×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 5s4 Moment tensor: Scale 10^{18}Nm; M_{rr}1.05 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-1.11 $M_{r\theta}$-0.16 $M_{\theta\phi}$0.19 $M_{\phi r}$0.32 NP1:ϕ_s177.49000°,δ36.72000° ,λ99.94000°. NP2:ϕ_s345.16000°,δ53.92000°,λ82.67000°. Principal axes: T 1.1082,Plg79.0000°,Azm225.0000°; N 0.0786,Plg6.0000°,Azm349.0000° ; P -1.1868,Plg9.0000°,Azm80.0000° M_o1.15000×10^{18}

ISC	**XI**	**02 09 50 40.2–.97**	**60.1S–.20**	**26.8W–.30**	**34**	**3.8b**	**7**	**30-153**
IDC	XI	02 09 50 35.0–.98	60.06S	26.75W	0	4.0b,4.0		¶621401336

ISC Event type se.

IDC Error ellipse: s-maj=46.5km s-min=24.2km az=81.0.

ISC	**XI**	**01 12 59 51.5–1.2**	**56.1S–.20**	**26.7W–.30**	**35**	**3.9b**	**11**	**17-150**
IDC	XI	01 12 59 46.2–1.1	56.13S	26.62W	0	4.1b,4.1		¶621309440

ISC Event type se.

IDC Error ellipse: s-maj=54.7km s-min=23.9km az=63.0.

ISC	**XI**	**02 04 49 17.5–.29**	**56.27S–.07**	**26.04W–.07**	**10**	**5.0b,4.0s**	**244**	**6-162**
IDC	XI	02 04 49 15.9–.42	56.26S	26.06W	0	4.8b,4.8		¶621252451
NEIC	XI	02 04 49 17.8–1.1	56.30S–.09	26.1W–.10	10–1	5.1b,4.8		
GCMT	XI	02 04 49 21.3–.30	56.52S–.02	26.08W–.05	22–1	4.9W,4.8		
GFZ	XI	02 04 49 22.1–.23	56S–4.0	26W–4.0	37	5.1b,4.9b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111020449A. Moment Tensor Solution. s30,c32; s73,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.88±.21 $M_{\theta\theta}$2.03±.14; $M_{\phi\phi}$0.84±.12; $M_{r\theta}$0.05±.20; $M_{\theta\phi}$1.12±.06; $M_{\phi r}$1.16±.23; Best double couple: NP1:ϕ_s73.00000°,δ40.00000° ,λ-66.00000°. NP2:ϕ_s223.00000°,δ54.00000°,λ-109.00000°. Principal axes: T 2.7810,Plg7.0000°,Azm326.0000°; N 0.4350,Plg15.0000°,Azm235.0000° ; P -3.2250,Plg73.0000°,Azm80.0000° M_o3.00300×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**02 02 43 24.9–.58**	**58.31S–.10**	**29.5W–.10**	**10**	**4.4s,4.4b**	**34**	**6-151**
IDC	XI	02 02 43 23.1–.99	58.20S	29.56W	0	4.7L,4.2b		¶621401319
NEIC	XI	02 02 43 24.8–1.4	58.36S–.06	29.4W–.20	10–1	4.6b,4.2b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**01 02 50 58.6–.37**	**57.92S–.07**	**25.2W–.10**	**35**	**4.9b**	**130**	**7-152**
IDC	XI	01 02 50 53.6–.54	57.91S	25.25W	0	4.6L,4.5b		¶621309438
NEIC	XI	01 02 50 58.7–1.7	58.0S–.10	25.2W–.20	35–1	5.0b,4.5b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**02 03 25 40.2–.59**	**58.1S–.10**	**29.9W–.10**	**10**	**4.3b**	**28**	**5-153**
IDC	XI	02 03 25 38.8–1.1	58.08S	29.60W	0	3.8b,3.8		¶621401320
NEIC	XI	02 03 25 40.5–1.4	58.16S–.05	29.9W–.20	10–1	4.5b,3.8		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**02 04 20 23.7–.47**	**58.28S–.10**	**29.8W–.10**	**10**	**4.9b,4.2s**	**61**	**5-152**
IDC	XI	02 04 20 22.2–.75	58.25S	29.84W	0	4.4L,4.4		¶621401324
NEIC	XI	02 04 20 24.2–1.1	58.3S–.10	29.7W–.30	10–0	5.0b,4.4		
GCMT	XI	02 04 20 28.6–.30	58.59S–.03	29.54W–.03	12–1	4.9W,4.4		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111020420A. Moment Tensor Solution. s24,c32; s101,c139; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.48±.16 $M_{\theta\theta}$0.34±.10; $M_{\phi\phi}$2.14±.11; $M_{r\theta}$-0.78±.38; $M_{\theta\phi}$0.78±.07; $M_{\phi r}$0.01±.27; Best double couple: NP1:ϕ_s186.00000°,δ44.00000° ,λ-112.00000°. NP2:ϕ_s35.00000°,δ50.00000°,λ-70.00000°. Principal axes: T 2.4470,Plg3.0000°,Azm111.0000°; N 0.2420,Plg15.0000°,Azm202.0000° ; P -2.6880,Plg75.0000°,Azm9.0000° M_o2.56700×10^{16}

ISC	**XI**	**03 07 28 38.4–.35**	**59.58S–.07**	**26.27W–.07**	**35**	**4.9b,3.7s**	**119**	**8-173**
IDC	XI	03 07 28 33.1–.45	59.53S	26.34W	0	4.6L,4.5b		¶621370863
NEIC	XI	03 07 28 38.9–1.5	59.6S–.10	26.2W–.20	35–1	4.9b,4.5b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**03 12 09 20.1–.65**	**56.5S–.10**	**26.2W–.10**	**33**	**4.7b,3.8s**	**52**	**6-151**
IDC	XI	03 12 09 14.3–.94	56.43S	25.83W	0	4.4b,4.4		¶621412243
NEIC	XI	03 12 09 24.1–1.3	56.6S–.10	26.5W–.20	62–10	4.8b,4.4		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**04 13 43 27.4–.87**	**58.0S–.10**	**25.3W–.30**	**49**	**3.9b,3.5s**	**14**	**15-152**
IDC	XI	04 13 43 20.7–.90	57.90S	25.39W	0	4.3L,3.9b		¶621370893

ISC Event type se.

IDC Error ellipse: s-maj=43.8km s-min=21.3km az=77.0.

ISC	**XI**	**03 19 14 48.1–.58**	**57.8S–.10**	**24.9W–.10**	**40**	**4.1b**	**67**	**7-155**
IDC	XI	03 19 14 42.3–.83	57.77S	25.00W	0	4.0b,4.0		¶621412257
NEIC	XI	03 19 14 48.0–.89	57.9S–.10	24.9W–.30	35–2	4.2b,4.0		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**03 20 04 45.4–.55**	**58.05S–.09**	**25.2W–.10**	**40**	**4.4b,3.6s**	**29**	**15-152**
IDC	XI	03 20 04 47.6–5.0	57.97S	25.38W	58–44	4.4L,4.4		¶621370861

ISC Event type se.

IDC Error ellipse: s-maj=21.0km s-min=17.6km az=60.0.

ISC	**XI**	**03 20 34 58.3–.56**	**57.57S–.09**	**25.7W–.10**	**43**	**4.5b,3.4s**	**40**	**7-152**
NEIC	XI	03 20 34 59.5–.54	57.7S–.10	25.8W–.20	55–5	4.6b,3.4s		¶621370873
IDC	XI	03 20 35 03.7–7.3	57.63S	25.71W	93–66	4.1,3.8L		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=20.1km s-min=15.2km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=28.3km s-min=20.8km az=106.0.

ISC	**XI**	**04 17 53 25.1–1.1**	**58.4S–.10**	**25.5W–.40**	**38**	**4.0b**	**12**	**14-152**
IDC	XI	04 17 53 19.2–1.0	58.28S	25.69W	0	3.9b,3.9		¶621412310

ISC Event type se.

IDC Error ellipse: s-maj=87.7km s-min=25.1km az=96.0.

ISC	**XI**	**05 11 31 46.8–.98**	**60.0S–.20**	**26.3W–.20**	**150**	**3.8b**	**7**	**30-150**
IDC	XI	05 11 31 46.7–16	59.95S	26.41W	146–150	3.8,3.4b		¶621413971

ISC Event type se.

IDC Error ellipse: s-maj=56.7km s-min=22.1km az=65.0.

ISC	**XI**	**04 19 21 34.5–.41**	**59.53S–.08**	**26.00W–.09**	**50**	**5.0b,3.6s**	**128**	**8-153**
GFZ	XI	04 19 21 27.4–.32	59S–6.0	25W–7.0	10	5.8b,5.4		¶621366501
IDC	XI	04 19 21 27.0–.66	59.42S	26.05W	0	4.4b,4.3		
NEIC	XI	04 19 21 36.1–1.3	59.6S–.10	26.2W–.20	73–6	5.1b,4.3		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**04 15 46 33.1–.48**	**59.61S–.07**	**26.31W–.07**	**64–3**	**4.9b**	**106**	**8-158**
IDC	XI	04 15 46 25.1–.63	59.46S	26.20W	0	4.6L,4.3		¶621370887
NEIC	XI	04 15 46 34.1–1.4	59.5S–.10	26.2W–.20	69–4	5.0b,4.3		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**06 09 56 23.0–.44**	**60.29S–.08**	**24.89W–.09**	**10**	**4.7b,3.5s**	**75**	**12-154**
IDC	XI	06 09 56 22.4–.59	60.25S	25.09W	0	4.8L,4.5		¶621372416
NEIC	XI	06 09 56 23.1–.57	60.20S–.09	24.9W–.20	10–1	4.7b,4.5		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**05 16 09 09.1–1.4**	**58.6S–.20**	**24.2W–.40**	**10**		**8**	**14-153**
IDC	XI	05 16 09 07.2–1.3	58.62S	24.58W	0	4.0L,3.8		¶621385310

ISC Event type se.

IDC Error ellipse: s-maj=76.9km s-min=26.6km az=88.0.

ISC	**XI**	**05 18 08 18.6–.55**	**58.2S–.10**	**25.3W–.10**	**49**	**4.0b**	**36**	**7-154**
IDC	XI	05 18 08 12.0–.76	58.24S	25.42W	0	3.9b,3.9		¶621413983
NEIC	XI	05 18 08 17.2–1.1	58.21S–.10	25.1W–.20	35–1	4.2b,3.9		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**07 09 15 17.6–.96**	**58.8S–.20**	**24.2W–.20**	**10**	**4.0b**	**7**	**16-153**
IDC	XI	07 09 15 16.2–.96	58.78S	24.23W	0	4.0b,3.9		¶621416030

ISC Event type se.

IDC Error ellipse: s-maj=35.3km s-min=27.8km az=67.0.

ISC	**XI**	**06 15 13 19.4–.24**	**58.59S–.05**	**23.23W–.05**	**10**	**5.3b,4.9s**	**396**	**9-174**
IDC	XI	06 15 13 17.9–.37	58.46S	23.31W	0	5.6L,5.0b		¶621370947
MOS	XI	06 15 13 18.1–.91	58.49S	23.35W	10	5.5b,5.0b		
GFZ	XI	06 15 13 20.1–.17	59S–3.0	23W–3.0	10	6.0b,5.6		
NEIC	XI	06 15 13 21.6–2.3	58.58S–.09	23.4W–.20	24–1	5.4,5.3b		
GCMT	XI	06 15 13 24.6–.10	58.64S–.01	22.87W–.02	25–0	5.6W,5.3b		

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111061513A. Moment Tensor Solution. s89,c134; s135,c241;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.07 $M_{\theta\theta}$-1.10±.06; $M_{\phi\phi}$2.12±.05; $M_{r\theta}$-0.78±.13; $M_{\theta\phi}$2.40±.04; $M_{\phi r}$0.66±.12; Best double couple: NP1:ϕ_s70.00000° ,δ68.00000°,λ-19.00000°. NP2:ϕ_s167.00000°,δ73.00000°,λ-157.00000°. Principal axes: T 3.4110,Plg3.0000°,Azm298.0000°; N -0.5010,Plg62.0000°,Azm202.0000° ; P -2.9100,Plg28.0000°,Azm29.0000° M_o3.16100×10^{17}

ISC	**XI**	**08 05 44 26.5–.47**	**60.45S–.07**	**27.11W–.09**	**10**	**4.5b**	**69**	**8-153**
NEIC	XI	08 05 44 26.5–.79	60.49S–.09	27.1W–.20	10–1	4.5b		¶621423077
IDC	XI	08 05 44 26.4–.80	60.42S	27.01W	0	4.0b,4.0		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=18.9km s-min=14.0km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=41.7km s-min=24.2km az=85.0.

ISC	**XI**	**07 12 43 46.7–.45**	**57.78S–.08**	**25.27W–.10**	**35**	**4.5b,3.7s**	**59**	**17-152**
IDC	XI	07 12 43 41.8–.58	57.66S	25.42W	0	4.7L,4.3b		¶621416037
NEIC	XI	07 12 43 47.1–1.3	57.7S–.10	25.3W–.20	35–2	4.5b,4.3b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**07 18 50 24.5–.29**	**57.84S–.05**	**25.40W–.05**	**64–2**	**5.1b**	**349**	**7-156**
IDC	XI	07 18 50 16.1–.41	57.74S	25.30W	0	4.9b,4.9		¶621372482
NEIC	XI	07 18 50 23.4–2.2	57.9S–.10	25.4W–.20	51–4	5.2b,4.9		
GCMT	XI	07 18 50 23.5–.30	57.99S–.02	24.85W–.03	39–0	5.0W,4.9		
MOS	XI	07 18 50 24.9–1.1	57.81S	25.40W	73	5.3b,4.9		
GFZ	XI	07 18 50 25.7–.18	58S–4.0	26W–3.0	68	5.8b,5.3		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111071850A. Moment Tensor Solution. s56,c71; s71,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.49±.19 $M_{\theta\theta}$0.39±.14; $M_{\phi\phi}$-3.87±.12; $M_{r\theta}$-0.47±.13; $M_{\theta\phi}$0.97±.08; $M_{\phi r}$1.77±.11; Best double couple: NP1:ϕ_s169.00000°,δ32.00000° ,λ92.00000°. NP2:ϕ_s346.00000°,δ58.00000°,λ88.00000°. Principal axes: T 3.9110,Plg77.0000°,Azm252.0000°; N 0.5940,Plg1.0000°,Azm347.0000° ; P -4.5000,Plg13.0000°,Azm78.0000° M_o4.20500×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**08 08 18 05.4–.81**	**57.3S–.10**	**25.8W–.10**	**35**	**4.2b**	**19**	**7-151**
IDC	XI	08 08 18 01.6–1.3	57.27S	25.41W	0	4.0b,4.0		¶621423089
NEIC	XI	08 08 18 05.0–.67	57.3S–.10	25.6W–.20	35–2	4.2b,4.0		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**08 07 10 41.9–.61**	**57.19S–.10**	**25.5W–.10**	**35**	**4.4b,3.4s**	**46**	**7-152**
IDC	XI	08 07 10 36.5–1.1	57.12S	25.33W	0	4.2b,4.2		¶621423082
NEIC	XI	08 07 10 42.2–1.3	57.2S–.10	25.6W–.20	35–2	4.4b,4.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**08 17 21 22.8–.43**	**58.20S–.09**	**25.4W–.10**	**49**	**4.4b**	**62**	**7-154**
IDC	XI	08 17 21 16.0–.53	58.14S	25.49W	0	4.4L,4.3b		¶621423110
NEIC	XI	08 17 21 26.3–1.8	58.2S–.10	25.6W–.10	79–6	4.6b,4.3b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**08 11 15 57.9–.58**	**57.3S–.10**	**25.2W–.10**	**15**	**4.3b,3.5s**	**31**	**17-152**
IDC	XI	08 11 15 55.7–.90	57.33S	25.16W	0	4.1b,4.1		¶621423095
NEIC	XI	08 11 16 01.2–1.4	57.3S–.10	25.30W–.07	35–1	4.3b,4.1		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**08 17 23 01.3–.59**	**56.6S–.10**	**25.0W–.10**	**10**	**5.0b,3.9s**	**50**	**7-151**
IDC	XI	08 17 23 00.3–.85	56.58S	24.97W	0	4.4b,4.4		¶621423111
NEIC	XI	08 17 23 01.9–1.5	56.66S–.04	25.0W–.20	10–1	5.0b,4.4		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**10 11 19 17.3–.48**	**57.55S–.09**	**25.9W–.10**	**65**	**4.3b**	**49**	**7-153**
IDC	XI	10 11 19 18.8–7.0	57.52S	25.90W	78–61	4.3,4.1b		¶621399195
NEIC	XI	10 11 19 21.7–1.4	57.6S–.10	26.1W–.20	104–9	4.4b,4.1b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**08 12 39 42.2–.80**	**57.4S–.20**	**25.5W–.30**	**43**	**4.0b**	**10**	**33-152**
IDC	XI	08 12 39 35.9–.79	57.37S	25.36W	0	4.1b,4.1		¶621423098

ISC Event type se.

IDC Error ellipse: s-maj=44.1km s-min=23.9km az=84.0.

ISC	**XI**	**10 10 12 18.2–.54**	**57.76S–.09**	**23.79W–.10**	**10**	**4.7b**	**39**	**8-153**
IDC	XI	10 10 12 16.9–.68	57.64S	23.93W	0	4.6L,4.2		¶621399184
NEIC	XI	10 10 12 18.6–.99	57.8S–.10	23.8W–.20	10–1	4.8b,4.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**10 05 09 57.6–.61**	**59.4S–.10**	**25.6W–.10**	**10**	**4.4b,3.6s**	**46**	**8-153**

IDC XI 10 05 09 56.5–.86 59.32S 25.34W 0 4.0b,4.0 **¶621399219**
NEIC XI 10 05 09 57.8–1.6 59.4S–.10 25.7W–.20 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 05 03 24.4–.49 58.83S–.08 25.0W–.10 35 4.4b,4.0s 49 8-153
IDC XI 09 05 03 19.8–.71 58.63S 25.39W 0 4.4L,4.4b **¶621423135**
NEIC XI 09 05 03 23.6–1.2 58.8S–.10 25.1W–.30 27–6 4.5b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 13 36 00.3–.65 57.8S–.10 23.2W–.10 10 4.2b 24 8-153
IDC XI 09 13 35 56.2–1.9 58.16S 23.69W 0 3.9b,3.9 **¶621391489**
NEIC XI 09 13 36 00.3–2.0 57.8S–.20 23.1W–.20 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 10 00 25 21.9–.72 59.7S–.10 26.3W–.10 61 4.3b 29 8-153
IDC XI 10 00 25 14.2–.91 59.49S 26.48W 0 3.9b,3.9 **¶621399202**
NEIC XI 10 00 25 25.4–1.7 59.7S–.10 26.7W–.30 84–6 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 10 01 02 18.9–.89 58.2S–.20 26.2W–.30 64 3.9b 11 15-152
IDC XI 10 01 02 10.6–.95 58.07S 26.00W 0 3.8b,3.8 **¶621399167**
ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=29.5km az=86.0.
ISC XI 11 10 17 52.0–.80 56.2S–.10 25.7W–.10 10 4.5b,3.9s 38 6-151
IDC XI 11 10 17 50.6–.87 56.16S 25.80W 0 4.2b,4.2 **¶621403022**
NEIC XI 11 10 17 52.0–1.9 56.2S–.10 25.7W–.20 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 12 06 20 22.9–.77 58.7S–.10 26.5W–.10 172 4.3b 28 7-152
NEIC XI 12 06 20 21.8–1.6 58.7S–.10 26.4W–.20 156–10 4.5b **¶621460197**
IDC XI 12 06 20 26.4–6.3 58.65S 26.35W 199–61 4.5,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=10.7km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.9km s-min=22.7km az=42.0.
ISC XI 12 02 42 50.0–.44 57.97S–.08 25.5W–.10 49 4.6b 56 15-152
IDC XI 12 02 42 43.2–.50 57.91S 25.46W 0 4.5b,4.5 **¶621406734**
NEIC XI 12 02 42 50.7–1.6 57.9S–.10 25.5W–.20 50–6 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 12 02 50 52.7–.60 57.89S–.09 25.3W–.10 50 4.1b 37 7-168
IDC XI 12 02 50 46.2–.72 57.81S 25.51W 0 4.1b,4.1 **¶621406757**
NEIC XI 12 02 50 54.5–1.9 57.9S–.10 25.4W–.20 60–6 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 12 02 53 06.1–.40 58.02S–.05 25.60W–.06 67–3 5.1b 353 7-158
IDC XI 12 02 52 57.4–.40 57.91S 25.50W 0 5.0L,5.0b **¶621399241**
NEIC XI 12 02 53 06.4–1.5 58.01S–.09 25.5W–.10 64–3 5.2b,5.0b
GFZ XI 12 02 53 06.5–.20 58S–4.0 26W–4.0 66 5.4b,5.0b
GCMT XI 12 02 53 07.3–.40 57.97S–.04 25.00W–.05 53–2 4.9W,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111120253A. Moment Tensor Solution. s30,c40; s52,c69; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.05±.24 $M_{\theta\theta}$1.52±.20; $M_{\phi\phi}$-3.57±.15; $M_{r\theta}$-0.34±.17; $M_{\theta\phi}$0.58±.12; $M_{\phi r}$0.87±.13; Best double couple: NP1:ϕ_s194.00000°,δ40.00000° ,λ121.00000°. NP2:ϕ_s337.00000°,δ57.00000°,λ67.00000°. Principal axes: T 2.2740,Plg69.0000°,Azm197.0000°; N 1.5020,Plg19.0000°,Azm350.0000° ; P -3.7760,Plg9.0000°,Azm83.0000° $M_0$3.02500×10^{16}
ISC XI 13 06 21 10.3–.66 58.3S–.10 23.9W–.10 10 4.1b 22 8-153
IDC XI 13 06 21 08.7–.91 58.21S 24.15W 0 4.0b,4.0 **¶621468586**
NEIC XI 13 06 21 11.1–1.4 58.2S–.20 23.8W–.10 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 12 03 12 50.7–.47 58.88S–.08 25.32W–.10 35 4.4b 46 8-153
IDC XI 12 03 12 46.8–.74 58.89S 25.71W 0 4.5L,4.3b **¶621406752**
NEIC XI 12 03 12 51.4–1.5 58.86S–.08 25.1W–.20 46–7 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 12 08 40 23.1–.42 56.90S–.07 26.98W–.10 150 4.6b 96 16-151
NEIC XI 12 08 40 21.6–.93 56.9S–.10 26.9W–.30 131–9 4.7b **¶621406770**
IDC XI 12 08 40 25.2–3.1 56.85S 26.73W 166–27 4.6,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=15.9km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.0km s-min=12.8km az=73.0.
ISC XI 12 05 31 21.8–.61 59.66S–.10 26.2W–.10 35 4.2b 30 8-153
IDC XI 12 05 31 16.7–.77 59.54S 26.18W 0 4.1b,4.0 **¶621406744**
NEIC XI 12 05 31 27.8–1.2 59.7S–.10 26.4W–.20 84–10 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 00 48 24.2–.59 56.45S–.08 25.10W–.10 40 4.5b,3.7s 31 7-151
IDC XI 13 00 48 18.4–.94 56.40S 24.89W 0 4.1b,4.1 **¶621409238**
NEIC XI 13 00 48 20.9–1.3 56.37S–.06 25.1W–.20 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 18 47 56.8–.86 59.4S–.10 25.9W–.10 40 4.1b 27 13-151
IDC XI 13 18 47 52.0–1.1 59.25S 25.84W 0 4.1L,3.8b **¶621468615**
NEIC XI 13 18 47 56.2–2.2 59.5S–.10 25.9W–.10 35–2 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 19 02 50.1–.31 57.71S–.07 23.90W–.07 10 4.8b,3.7s 171 8-156
NEIC XI 13 19 02 50.0–1.1 57.8S–.10 23.9W–.20 10–1 5.1b,3.7s **¶621402827**
IDC XI 13 19 02 49.2–.51 57.53S 23.80W 0 4.4b,4.4
GFZ XI 13 19 02 51.1–.41 58S–6.0 24W–7.0 10 5.4b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 14 01 20 25.1–.57 57.2S–.10 23.9W–.10 10 4.2b 32 8-152
IDC XI 14 01 20 23.5–.69 57.09S 23.78W 0 4.2L,4.1b **¶621409438**
NEIC XI 14 01 20 25.7–.95 57.3S–.10 24.0W–.20 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 16 41 03.5–1.0 58.8S–.20 25.1W–.40 18 12 14-153
IDC XI 13 16 41 13.4–13 58.87S 25.32W 97–113 4.2,3.9b **¶621409263**
ISC Event type se.
IDC Error ellipse: s-maj=82.1km s-min=31.0km az=104.0.
ISC XI 13 21 25 36.7–1.1 56.7S–.10 24.0W–.30 10 3.7b,3.6s 8 16-149
IDC XI 13 21 25 35.4–1.1 56.65S 24.12W 0 3.7b,3.7 **¶621409260**
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=26.8km az=89.0.

ISC XI 14 03 48 27.3–.36 57.71S–.06 25.19W–.06 42–2 5.0b,4.0s 261 7-155
IDC XI 14 03 48 21.2–.46 57.65S 25.22W 0 4.7L,4.7b **¶621402879**
NEIC XI 14 03 48 27.4–1.7 57.8S–.10 25.2W–.10 35–1 5.1b,4.7b
GCMT XI 14 03 48 28.6–.30 57.93S–.03 24.86W–.03 36–0 5.0W,4.7b
GFZ XI 14 03 48 30.5–.39 58S–4.0 25W–4.0 68–3 5.2,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111140348A. Moment Tensor Solution. s54,c68; s75,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.99±.16 $M_{\theta\theta}$0.03±.13; $M_{\phi\phi}$-3.01±.10; $M_{r\theta}$0.34±.17; $M_{\theta\phi}$0.65±.07; $M_{\phi r}$1.35±.10; Best double couple: NP1:ϕ_s158.00000°,δ35.00000° ,λ72.00000°. NP2:ϕ_s359.00000°,δ57.00000°,λ102.00000°. Principal axes: T 3.3460,Plg75.0000°,Azm303.0000°; N 0.0560,Plg10.0000°,Azm172.0000° ; P -3.3950,Plg11.0000°,Azm80.0000° $M_0$3.37000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 16 06 25 01.6–.31 57.73S–.05 25.82W–.06 73–2 4.9b 319 7-154
NEIC XI 16 06 24 59.7–1.0 57.7S–.10 25.7W–.20 56–7 5.0b **¶621409308**
GCMT XI 16 06 25 01.4–.30 57.88S–.03 25.30W–.05 74–4 4.8W
GFZ XI 16 06 25 01.7–.40 58S–4.0 26W–4.0 67–4 5.5b,5.0
IDC XI 16 06 25 01.9–1.2 57.71S 25.81W 73–8 5.0,4.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=14.3km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111160625A. Moment Tensor Solution. s25,c29; s72,c86; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.29±.16 $M_{\theta\theta}$0.58±.20; $M_{\phi\phi}$-1.87±.16; $M_{r\theta}$0.41±.09; $M_{\theta\phi}$-0.63±.15; $M_{\phi r}$-1.44±.07; Best double couple: NP1:ϕ_s43.00000°,δ33.00000° ,λ139.00000°. NP2:ϕ_s170.00000°,δ69.00000°,λ64.00000°. Principal axes: T 2.1010,Plg58.0000°,Azm44.0000°; N 0.3980,Plg24.0000°,Azm180.0000° ; P -2.4930,Plg20.0000°,Azm279.0000° $M_0$2.29700×10^{16}
GFZ Error ellipse: s-maj=9.8km s-min=7.0km az=33.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.1km s-min=12.6km az=66.0.
ISC XI 15 15 38 50.2–.94 59.6S–.20 25.8W–.20 40 4.1b,3.5s 27 8-153
IDC XI 15 15 38 44.2–1.2 59.42S 25.90W 0 5.0L,4.1 **¶621475639**
NEIC XI 15 15 38 50.6–1.4 59.7S–.20 26.0W–.20 35–2 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 15 23 26 22.4–.58 58.30S–.09 25.16W–.10 28 4.4b 44 7-154
IDC XI 15 23 26 18.7–1.1 58.24S 25.35W 0 4.2L,4.1b **¶621475654**
NEIC XI 15 23 26 23.5–1.2 58.31S–.08 25.1W–.10 35–2 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 11 59 38.6–.35 59.71S–.06 25.52W–.07 10 5.0b 194 8-147
NEIC XI 14 11 59 38.9–1.1 59.8S–.10 25.6W–.20 10–1 5.0b **¶621403057**
IDC XI 14 11 59 38.9–.57 59.73S 26.10W 0 5.0L,4.7b
GFZ XI 14 11 59 39.1–.31 60S–6.0 25W–6.0 10 5.4b,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 18 09 58 14.5–.46 58.87S–.09 25.5W–.10 10 4.7b,3.6s 55 8-153
IDC XI 18 09 58 13.1–.58 58.79S 25.57W 0 4.7L,4.5b **¶621423186**
NEIC XI 18 09 58 14.6–1.5 58.9S–.10 25.6W–.20 10–1 4.7b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 16 10 24 59.3–.32 58.73S–.06 23.56W–.07 10 4.6b,3.6s 132 8-153
IDC XI 16 10 24 58.3–.48 58.68S 23.44W 0 5.0L,4.5b **¶621412330**
NEIC XI 16 10 24 59.3–.89 58.68S–.07 23.6W–.20 10–1 4.6b,4.5b
GFZ XI 16 10 25 00.6–.22 59S–4.0 23W–5.0 10 5.6b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 16 23 11 13.7–.40 58.00S–.08 25.1W–.10 40 4.6b,3.4s 77 7-152
NEIC XI 16 23 11 13.4–2.2 58.0S–.10 25.2W–.20 35–1 4.7b,3.4s **¶621414021**
IDC XI 16 23 11 17.0–5.1 57.98S 25.46W 66–45 4.7L,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=13.5km az=228.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.7km s-min=16.8km az=57.0.
ISC XI 18 02 17 25.1–.52 58.94S–.09 25.2W–.10 18 4.5b 51 8-153
IDC XI 18 02 17 22.6–.71 58.84S 25.11W 0 4.7L,4.3 **¶621532455**
NEIC XI 18 02 17 27.8–1.3 58.97S–.09 25.3W–.20 35–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 18 19 29 58.4–.69 59.7S–.10 26.6W–.10 35 4.3b 41 8-153
IDC XI 18 19 29 53.4–1.0 59.66S 26.45W 0 4.1L,4.1 **¶621532497**
NEIC XI 18 19 29 59.1–2.6 59.7S–.20 26.6W–.30 35–2 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 18 08 58 50.4–.56 57.09S–.09 25.07W–.10 22 4.5b,3.4s 38 7-152
IDC XI 18 08 58 47.5–.82 57.05S 24.82W 0 4.2b,4.2 **¶621423200**
NEIC XI 18 08 58 52.5–1.5 57.1S–.10 25.2W–.20 35–2 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 03 04 26.7–.40 58.29S–.07 25.37W–.10 50 4.5b,3.5s 66 7-152
IDC XI 19 03 04 28.0–.65 58.20S 25.57W 56–5 4.4,4.2b **¶621427689**
NEIC XI 19 03 04 29.4–2.1 58.26S–.07 25.6W–.20 70–5 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 22 15 52.2–.44 57.98S–.07 25.73W–.08 49 4.6b 65 7-152
IDC XI 19 22 15 46.2–.66 57.89S 25.48W 0 4.2L,4.2b **¶621590321**
NEIC XI 19 22 15 50.9–1.4 58.02S–.09 25.7W–.20 35–4 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 10 35 23.9–.91 58.0S–.10 24.9W–.30 40 3.9b 11 15-152
IDC XI 19 10 35 18.2–.97 57.85S 25.09W 0 3.9b,3.9 **¶621590283**
ISC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=23.4km az=79.0.
ISC XI 18 21 56 44.2–.57 55.67S–.09 28.74W–.09 45 4.5b 30 5-152
IDC XI 18 21 56 37.9–.87 55.59S 28.30W 0 4.6L,4.3b **¶621423203**
NEIC XI 18 21 56 43.3–1.4 55.7S–.10 28.5W–.20 30–3 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 20 20 01 52.3–2.8 55.96S 27.19W 0 4.0b,4.0 ¶621590379
IDC Error ellipse: s-maj=126.8km s-min=26.2km az=65.0.
ISC XI 20 14 53 17.1–1.7 59.0S–.30 25.2W–.30 18 8 14-153
IDC XI 20 14 53 15.2–1.6 58.94S 25.52W 0 4.1L,3.9 **¶621427839**
ISC Event type se.
IDC Error ellipse: s-maj=59.5km s-min=28.9km az=53.0.
ISC XI 21 11 36 48.3–.31 59.51S–.06 26.36W–.06 61 5.0b 173 8-153
IDC XI 21 11 36 40.0–.50 59.39S 26.29W 0 4.6b,4.6 **¶621428141**
NEIC XI 21 11 36 47.5–1.0 59.52S–.06 26.3W–.20 51–7 4.9b,4.6
GCMT XI 21 11 36 50.7–.30 59.81S–.03 25.57W–.04 59–1 4.9W,4.6

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111211136A. Moment Tensor Solution. s60,c74; s83,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.13 $M_{\theta\theta}$0.47±.12; $M_{\phi\phi}$-3.36±.09; $M_{r\theta}$-0.44±.08; $M_{\theta\phi}$-0.09±.10; $M_{\phi r}$0.29±.08; Best double couple: NP1:ϕ_s191.00000°,δ43.00000° ,λ105.00000°. NP2:ϕ_s352.00000°,δ48.00000°,λ76.00000°. Principal axes: T 2.9820,Plg80.0000°,Azm195.0000°; N 0.3960,Plg10.0000°,Azm1.0000° ; P -3.3750,Plg3.0000°,Azm91.0000° M_o3.17800×10^{16}

ISC	**XI**	**23 15 44 04.7–.73**	**56.4S–.10**	**25.0W–.20**	**10**	**4.4b**	**20**	**16-151**
IDC	XI	23 15 44 03.6–1.1	56.35S	24.92W	0	4.5b,4.5		**¶621611963**
NEIC	XI	23 15 44 05.2–.96	56.4S–.10	25.1W–.30	10–1	4.4b,4.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**22 01 22 51.9–.28**	**57.95S–.04**	**25.66W–.05**	**47–2**	**5.3b,4.5s**	**604**	**7-175**
IDC	XI	22 01 22 45.1–.35	57.90S	25.49W	0	5.1b,5.1		**¶621428027**
MOS	XI	22 01 22 49.4–.93	57.98S	25.82W	34	5.5b,5.1		
GFZ	XI	22 01 22 52.5–.14	58S–3.0	26W–3.0	45	6.5,6.4		
NEIC	XI	22 01 22 52.4–1.6	57.94S–.09	25.7W–.20	49–4	5.4b,5.3		
GCMT	XI	22 01 22 54.4–.10	58.07S–.01	25.05W–.02	52–0	5.3W,5.3		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111220122A. Moment Tensor Solution. s121,c189; s122,c206;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.91±.02 $M_{\theta\theta}$0.18±.01; $M_{\phi\phi}$-1.09±.01; $M_{r\theta}$0.01±.01; $M_{\theta\phi}$0.07±.01; $M_{\phi r}$0.14±.01; Best double couple: NP1: ϕ_s175.00000°,δ41.00000°,λ87.00000°. NP2:ϕ_s359.00000°,δ49.00000°,λ92.00000°. Principal axes: T 0.9230,Plg86.0000°,Azm289.0000°; N 0.1820,Plg2.0000°,Azm177.0000° ; P -1.1040,Plg4.0000°,Azm87.0000° M_o1.01300×10^{17}

ISC	**XI**	**25 03 24 28.0–.33**	**57.96S–.05**	**25.75W–.06**	**66–2**	**5.0b**	**216**	**7-158**
NEIC	XI	25 03 24 27.2–1.6	57.96S–.09	25.7W–.20	56–4	5.0b		**¶621464959**
IDC	XI	25 03 24 29.1–4.3	57.89S	25.61W	74–37	4.7,4.5L		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.9km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=15.3km az=52.0.

ISC	**XI**	**24 08 26 37.3–1.5**	**59.3S–.30**	**25.4W–.30**	**10**	**3.7b**	**7**	**15-153**
IDC	XI	24 08 26 36.3–1.4	59.21S	25.77W	0	4.2L,3.9		**¶621613969**

ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=25.1km az=54.0.

ISC	**XI**	**24 14 12 20.4–.41**	**60.41S–.08**	**27.01W–.08**	**19**	**4.6b,3.9s**	**83**	**8-159**
NEIC	XI	24 14 12 18.9–.94	60.44S–.10	27.0W–.20	10–1	4.7b,3.9s		**¶621613989**
IDC	XI	24 14 12 18.1–.60	60.30S	26.83W	0	4.7L,4.4b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=13.9km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.6km s-min=16.3km az=56.0.

ISC	**XI**	**23 21 43 05.7–.72**	**55.6S–.10**	**25.8W–.10**	**10**	**4.5b**	**21**	**6-152**
IDC	XI	23 21 43 04.4–2.2	55.55S	25.58W	0	4.6b,4.6		**¶621460242**
NEIC	XI	23 21 43 06.6–1.7	55.7S–.20	25.9W–.20	10–1	4.4b,4.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**23 22 43 40.3–.71**	**59.4S–.10**	**25.6W–.20**	**35**	**4.2b**	**27**	**13-153**
IDC	XI	23 22 43 35.1–.91	59.25S	25.97W	0	4.4L,4.4b		**¶621611981**
NEIC	XI	23 22 43 40.8–1.9	59.5S–.10	25.7W–.30	35–2	4.6b,4.4b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**24 11 36 59.6–.68**	**56.4S–.10**	**24.9W–.10**	**40**	**4.4b**	**23**	**18-151**
IDC	XI	24 11 36 54.0–.97	56.32S	25.03W	0	4.2b,4.1		**¶621613976**
NEIC	XI	24 11 36 56.1–1.7	56.46S–.07	24.8W–.20	10–1	4.4b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**25 09 45 34.4–.55**	**58.72S–.09**	**25.2W–.10**	**28**	**4.3b,3.6s**	**37**	**8-153**
IDC	XI	25 09 45 30.3–.72	58.55S	25.35W	0	4.5L,4.3b		**¶621470347**
NEIC	XI	25 09 45 35.9–2.2	58.71S–.09	25.3W–.20	35–1	4.4b,4.3b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**25 19 44 34.4–.44**	**57.73S–.08**	**23.82W–.08**	**10**	**4.8b,3.4s**	**70**	**8-155**
NEIC	XI	25 19 44 34.6–1.7	57.76S–.07	23.8W–.20	10–1	4.9b,3.4s		**¶621618723**
IDC	XI	25 19 44 34.0–.66	57.58S	23.88W	0	4.4L,4.2		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=11.4km az=254.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=21.2km az=89.0.

IDC	**XI**	**25 06 40 56.7–1.3**	**56.17S**	**29.15W**	**0**	**4.2b,4.2**		
								¶621618680

IDC Error ellipse: s-maj=97.4km s-min=29.5km az=100.0.

ISC	**XI**	**26 12 22 23.5–.93**	**56.1S–.10**	**27.5W–.30**	**112**	**3.9b**	**12**	**17-151**
IDC	XI	26 12 22 09.6–1.0	55.91S	27.38W	0	4.8L,4.2		**¶621480745**

ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=23.6km az=77.0.

ISC	**XI**	**27 10 11 19.3–.37**	**59.46S–.06**	**25.89W–.07**	**40**	**4.8b,3.6s**	**141**	**8-153**
IDC	XI	27 10 11 13.6–.55	59.71S	26.33W	0	4.5b,4.5		**¶621480392**
GFZ	XI	27 10 11 15.4–.72	59S–13	25W–17	10	5.3b,4.9b		
NEIC	XI	27 10 11 18.8–.81	59.46S–.09	25.7W–.20	39–6	4.9b,4.9b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**26 15 03 27.1–1.3**	**55.5S–.20**	**27.2W–.30**	**25**	**4.0b**	**8**	**19-151**
IDC	XI	26 15 03 23.3–1.2	55.47S	27.20W	0	4.1L,4.0b		**¶621622006**

ISC Event type se.
IDC Error ellipse: s-maj=45.7km s-min=21.4km az=56.0.

ISC	**XI**	**27 12 26 21.5–.52**	**58.50S–.08**	**25.37W–.10**	**38**	**4.5b**	**41**	**14-154**
NEIC	XI	27 12 26 20.4–1.8	58.5S–.10	25.3W–.20	27–3	4.5b		**¶621480790**
IDC	XI	27 12 26 26.6–11	58.54S	25.20W	78–94	3.9L,3.9		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.7km az=186.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.2km s-min=34.7km az=102.0.

ISC	**XI**	**27 13 32 51.8–.47**	**59.94S–.08**	**26.84W–.08**	**34**	**4.5b,4.0s**	**47**	**8-153**
IDC	XI	27 13 32 47.0–.68	59.77S	26.67W	0	4.7L,4.2		**¶621480781**
NEIC	XI	27 13 32 52.8–2.1	59.92S–.09	26.8W–.10	42–7	4.6b,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**30 05 03 39.2–.62**	**60.27S–.09**	**25.57W–.10**	**19**	**4.6b**	**60**	**13-153**
NEIC	XI	30 05 03 37.5–.94	60.28S–.04	25.5W–.20	10–1	4.6b		**¶621590399**
IDC	XI	30 05 03 40.8–.81	60.49S	26.25W	0	4.6L,4.1		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=7.5km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=19.1km az=63.0.

ISC	**XI**	**28 21 18 50.4–.51**	**58.62S–.10**	**25.22W–.10**	**28**	**4.5b,3.2s**	**38**	**8-153**
IDC	XI	28 21 18 46.1–.95	58.51S	25.24W	0	4.3L,4.0		**¶621625194**
NEIC	XI	28 21 18 51.7–1.2	58.6S–.10	25.2W–.20	35–1	4.6b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**29 06 18 13.9–1.1**	**59.7S–.20**	**24.7W–.20**	**35**	**3.8b**	**6**	**15-153**
IDC	XI	29 06 18 09.5–1.2	59.55S	24.90W	0	4.3L,3.9		**¶621626954**

ISC Event type se.
IDC Error ellipse: s-maj=43.3km s-min=22.6km az=61.0.

ISC	**XI**	**29 08 59 42.7–.34**	**58.52S–.07**	**23.51W–.07**	**10**	**5.0b,4.0s**	**187**	**8-155**
IDC	XI	29 08 59 41.3–.46	58.37S	23.39W	0	5.5L,4.6b		**¶621481108**
NEIC	XI	29 08 59 42.7–.89	58.59S–.09	23.6W–.20	10–1	5.1b,4.6b		
GFZ	XI	29 08 59 43.5–.24	58S–4.0	23W–5.0	10	5.6b,5.1		
GCMT	XI	29 08 59 46.3–.30	58.49S–.02	22.91W–.03	14–2	4.9W,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111290859A. Moment Tensor Solution. s18,c21; s90,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.41±.15 $M_{\theta\theta}$-2.04±.13; $M_{\phi\phi}$2.45±.14; $M_{r\theta}$0.28±.28; $M_{\theta\phi}$2.01±.10; $M_{\phi r}$1.10±.32; Best double couple: NP1:ϕ_s67.00000°,δ76.00000° ,λ9.00000°. NP2:ϕ_s335.00000°,δ81.00000°,λ166.00000°. Principal axes: T 3.5410,Plg16.0000°,Azm291.0000°; N -0.7280,Plg74.0000°,Azm123.0000° ; P -2.8160,Plg3.0000°,Azm22.0000° M_o3.17800×10^{16}

ISC	**XI**	**29 10 20 48.6–.57**	**59.64S–.08**	**26.08W–.08**	**40**	**4.2b**	**46**	**8-153**
IDC	XI	29 10 20 42.7–.73	59.51S	26.31W	0	4.6L,4.1b		**¶621626967**
NEIC	XI	29 10 20 51.7–2.0	59.69S–.10	26.3W–.20	62–4	4.3b,4.1b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**30 21 06 37.0–.52**	**58.27S–.09**	**24.89W–.10**	**28**	**4.3b,3.6s**	**43**	**8-153**
IDC	XI	30 21 06 33.0–.74	58.12S	24.87W	0	4.5L,4.3		**¶621590394**
NEIC	XI	30 21 06 35.0–1.7	58.3S–.10	24.6W–.20	10–1	4.5b,4.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**30 02 29 41.7–4.1**	**58.75S–.09**	**25.25W–.09**	**31–28**	**4.6b,3.5s**	**87**	**8-153**
IDC	XI	30 02 29 37.3–.46	58.69S	25.31W	0	4.6L,4.5b		**¶621590392**
NEIC	XI	30 02 29 42.4–1.6	58.80S–.08	25.3W–.20	35–1	4.6b,4.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**02 20 00 57.6–.43**	**57.95S–.08**	**25.15W–.09**	**40**	**4.4b,3.4s**	**63**	**7-152**
IDC	XII	02 20 00 51.9–.60	57.88S	25.19W	0	4.2b,4.2		**¶621629907**
NEIC	XII	02 20 00 57.4–1.4	57.9S–.10	25.2W–.20	35–1	4.5b,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**01 13 47 41.5–.82**	**55.7S–.10**	**28.0W–.30**	**26**	**4.2b**	**15**	**17-151**
IDC	XII	01 13 47 37.2–.76	55.69S	27.88W	0	4.6L,4.2		**¶621612378**

ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=20.0km az=78.0.

ISC	**XII**	**01 20 20 31.8–.49**	**60.22S–.09**	**24.8W–.10**	**10**	**4.8b,3.4s**	**68**	**9-154**
NEIC	XII	01 20 20 32.0–1.7	60.1S–.10	24.9W–.20	10–1	4.9b,3.4s		**¶621612385**
IDC	XII	01 20 20 31.0–.67	60.17S	25.02W	0	5.1L,4.4b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=16.9km az=227.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.3km s-min=17.5km az=62.0.

ISC	**XII**	**03 09 46 10.9–.56**	**60.60S–.09**	**27.80W–.08**	**10**	**4.4b**	**45**	**8-153**
NEIC	XII	03 09 46 11.1–1.1	60.58S–.07	27.8W–.10	10–1	4.5b		**¶621630584**
IDC	XII	03 09 46 12.4–1.4	60.30S	27.30W	0	4.1b,4.1		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.0km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=100.2km s-min=32.4km az=99.0.

ISC	**XII**	**02 21 41 37.5–.42**	**57.96S–.08**	**25.46W–.10**	**49**	**4.4b,3.4s**	**63**	**7-154**
NEIC	XII	02 21 41 40.5–1.7	58.0S–.10	25.6W–.20	73–8	4.6b,3.4s		**¶621627396**
IDC	XII	02 21 41 41.0–4.6	57.91S	25.65W	78–40	4.6L,4.4		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=15.2km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.6km s-min=15.4km az=63.0.

ISC	**XII**	**03 20 13 22.9–1.1**	**57.9S–.10**	**24.8W–.30**	**40**	**4.1b**	**15**	**15-152**
IDC	XII	03 20 13 13.7–1.1	57.61S	25.80W	0	4.4L,4.1b		**¶621612404**

ISC Event type se.
IDC Error ellipse: s-maj=58.7km s-min=24.4km az=90.0.

ISC	**XII**	**03 08 33 39.8–.19**	**60.49S–.04**	**27.04W–.04**	**19**	**5.9s,5.6b**	**1001**	**8-163**
IDC	XII	03 08 33 36.5–.34	60.21S	26.97W	0	5.8s,5.3L		**¶621611351**
MOS	XII	03 08 33 37.4–.93	60.44S	27.27W	10	5.9s,5.8b		
NEIC	XII	03 08 33 38.5	60.47S	27.14W	7	5.9s,5.8b		
GFZ	XII	03 08 33 38.7	60.48S	26.84W	12	6.0W,5.8b		
GFZ	XII	03 08 33 38.7–.12	60S–3.0	27W–2.0	10	6.2b,5.8		
NEIC	XII	03 08 33 38.5–1.3	60.47S–.10	27.1W–.20	7–3	6.0,5.9		
NEIC	XII	03 08 33 39.1	60.48S	27.14W	11	6.0,5.9		
NEIC	XII	03 08 33 39.6	60.38S	26.53W	18	6.0,5.9		
IPGP	XII	03 08 33 39.0	60.46S	27.11W	9	6.0W,5.9		
PTWC	XII	03 08 33 43	60.60S	26.90W		6.2,5.9		
GCMT	XII	03 08 33 44.0–.10	60.75S	26.90W	12	6.0W,5.9		

ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=11.5km az=75.0.
MOS Error ellipse: s-maj=23.9km s-min=12.9km az=91.2.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$0.53 $M_{r\theta}$0.07 $M_{\theta\phi}$-1.08 $M_{\phi r}$-0.01 NP1: ϕ_s281.75284°,δ89.10625°,λ-176.38408°. NP2:ϕ_s191.69636°,δ86.38452°,λ-0.89553°. Principal axes: T 1.2405,Plg1.9232°,Azm56.6711°; N -0.1330,Plg86.2754°,Azm295.6182° ; P -1.1075,Plg3.1884°,Azm146.7782° M_o1.17965×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=12.6km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$0.31 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.93 $M_{\phi r}$0.41 NP1:ϕ_s185.68000°,δ76.31000°,λ-23.18000°. NP2:ϕ_s281.46000° ,δ67.51000°,λ-165.16000°. Principal axes: T 1.0178,Plg6.0000°,Azm235.0000° ; N 0.1835,Plg63.0000°,Azm337.0000°; P -1.2013,Plg26.0000°,Azm142.0000° M_o1.12000×10^{18}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5ŝ2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.11 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$0.56 $M_{r\theta}$-0.12 $M_{\theta\phi}$-1.12 $M_{\phi r}$0.27 NP1:ϕ_s281.68000°,δ80.37000° ,λ173.44000°. NP2:ϕ_s12.79000°,δ83.53000°,λ9.69000°. Principal axes: T 1.3416,Plg11.0000°,Azm237.0000°; N -0.1669,Plg78.0000°,Azm46.0000° ; P -1.1747,Plg2.0000°,Azm147.0000° M_o1.27000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s282.00000°,δ65.00000°,λ-167.00000°. NP2:ϕ_s186.00000° ,δ78.00000°,λ-25.00000°.
PTWC SOUTH SANDWICH ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112030833A. Moment Tensor Solution. s156,c320; s166,c580;Duration: 2ŝ4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07±.01 $M_{\theta\theta}$-0.44±.01; $M_{\phi\phi}$0.50±.01; $M_{r\theta}$0.31±.02; $M_{\theta\phi}$-1.08±.01; $M_{\phi r}$0.14±.02; Best double couple: NP1:ϕ_s191.00000°,δ77.00000°,λ-10.00000°. NP2:ϕ_s283.00000°,δ81.00000°,λ-167.00000°. Principal axes: T 1.2150,Plg3.0000°,Azm56.0000°; N 0.0290,Plg74.0000°,Azm317.0000° ; P -1.2440,Plg16.0000°,Azm147.0000° M_o1.22900×10^{18}

ISC	**XII**	**03 08 41 39.6–.74**	**60.9S–.10**	**27.1W–.10**	**10**	**4.4b**	**23**	**9-153**
NEIC	XII	03 08 41 38.5–.65	60.84S–.09	26.9W–.20	10–1	4.4b		**¶621630578**
IDC	XII	03 08 41 41.6–1.7	60.15S	27.15W	0	4.1b,4.1		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=7.1km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=76.9km s-min=47.2km az=9.0.

ISC	**XII**	**03 20 24 39.3–.55**	**58.40S–.10**	**25.0W–.10**	**28**	**4.4b**	**46**	**8-153**	
IDC	XII	03 20 24 35.8–.75	58.29S	25.21W	0	4.8L,4.3			**¶621612396**
NEIC	XII	03 20 24 42.1–1.3	58.4S–.10	25.1W–.20	51–7	4.6b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**04 02 06 39.1–.60**	**60.83S–.10**	**24.8W–.10**	**10**	**4.2b,3.6s**	**29**	**9-154**	
IDC	XII	04 02 06 38.1–.81	60.68S	24.84W	0	4.7L,4.1			**¶621613004**
NEIC	XII	04 02 06 39.0–2.8	60.9S–.10	24.8W–.30	10–1	4.6b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**04 03 11 53.9–1.3**	**59.73S**	**28.75W**	**0**	**3.9b,3.8**			**¶621630630**

IDC Error ellipse: s-maj=100.0km s-min=35.2km az=97.0.

ISC	**XII**	**04 04 56 20.3–.49**	**59.84S–.09**	**29.0W–.10**	**10**	**4.8b**	**40**	**7-152**	
IDC	XII	04 04 56 18.4–.74	59.79S	29.35W	0	4.5s,4.2b			**¶621612997**
NEIC	XII	04 04 56 20.8–2.2	59.8S–.10	29.0W–.20	10–1	5.0b,4.2b			
GCMT	XII	04 04 56 24.0–.20	59.94S–.01	29.15W–.02	15–1	5.1W,4.2b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040456A. Moment Tensor Solution. s29,c35; s122,c192; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.61±.17 $M_{\theta\theta}$-2.85±.17; $M_{\phi\phi}$2.24±.15; $M_{r\theta}$1.15±.55; $M_{\theta\phi}$5.16±.14; $M_{\phi r}$-0.10±.51; Best double couple: NP1:ϕ_s347.00000°,δ79.00000° ,λ-178.00000°. NP2:ϕ_s257.00000°,δ88.00000°,λ-11.00000°. Principal axes: T 5.5050,Plg6.0000°,Azm302.0000°; N 0.7060,Plg79.0000°,Azm68.0000° ; P -6.2140,Plg9.0000°,Azm211.0000° M_o5.86000×10^{16}

ISC	**XII**	**04 05 00 38.9–.55**	**59.88S–.08**	**29.26W–.09**	**10**	**4.4b**	**31**	**7-152**	
IDC	XII	04 05 00 37.9–.82	59.81S	29.46W	0	4.1b,4.1			**¶621630637**
NEIC	XII	04 05 00 38.6–.96	59.9S–.10	29.2W–.10	10–1	4.6b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**04 05 04 31.0–.63**	**59.8S–.10**	**29.7W–.10**	**10**	**4.5b**	**20**	**13-151**	
IDC	XII	04 05 04 29.9–1.6	59.85S	29.58W	0	4.1b,4.0			**¶621630638**
NEIC	XII	04 05 04 31.2–.66	59.8S–.10	29.7W–.20	10–1	4.5b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**04 05 11 06.7–.56**	**59.9S–.10**	**29.2W–.10**	**10**	**4.5b,4.2s**	**30**	**7-152**	
IDC	XII	04 05 11 04.9–.83	59.66S	29.44W	0	4.2s,4.1b			**¶621630639**
NEIC	XII	04 05 11 07.0–1.3	59.9S–.10	29.2W–.20	10–1	4.5b,4.1b			
GCMT	XII	04 05 11 12.0–.30	59.90S–.02	29.27W–.03	19–1	4.9W,4.1b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040511A. Moment Tensor Solution. s4,c4; s97,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.06±.14 $M_{\theta\theta}$-0.94±.12; $M_{\phi\phi}$0.88±.11; $M_{r\theta}$1.21±.29; $M_{\theta\phi}$2.45±.10; $M_{\phi r}$0.34±.25; Best double couple: NP1:ϕ_s349.00000°,δ64.00000° ,λ178.00000°. NP2:ϕ_s80.00000°,δ88.00000°,λ26.00000°. Principal axes: T 2.9280,Plg19.0000°,Azm308.0000°; N -0.0540,Plg64.0000°,Azm85.0000° ; P -2.8730,Plg16.0000°,Azm212.0000° M_o2.90000×10^{16}

ISC	**XII**	**04 05 14 59.4–.64**	**59.8S–.10**	**28.6W–.10**	**10**	**4.4b**	**23**	**7-152**	
IDC	XII	04 05 14 58.3–1.1	59.61S	28.93W	0	3.8b,3.8			**¶621630640**
NEIC	XII	04 05 14 59.4–1.2	59.9S–.10	28.6W–.20	10–1	4.5b,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**04 05 41 36.5–.58**	**59.65S–.10**	**29.09W–.09**	**10**	**4.2b,3.8s**	**27**	**14-152**	
IDC	XII	04 05 41 35.2–.91	59.63S	29.08W	0	3.9b,3.8			**¶621612994**
NEIC	XII	04 05 41 36.8–1.0	59.6S–.10	29.1W–.20	10–1	4.5b,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**04 06 21 44.9–.56**	**59.66S–.08**	**29.35W–.09**	**18**	**4.5b,3.9s**	**31**	**7-152**	
IDC	XII	04 06 21 42.1–.87	59.50S	29.69W	0	4.0b,4.0			**¶621630645**
NEIC	XII	04 06 21 44.2–.85	59.6S–.10	29.3W–.10	10–1	4.5b,4.0			
GCMT	XII	04 06 21 47.7–.40	59.73S–.02	29.27W–.04	18–2	4.9W,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040621A. Moment Tensor Solution. s8,c8; s81,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.28±.14 $M_{\theta\theta}$-2.47±.14; $M_{\phi\phi}$2.19±.12; $M_{r\theta}$-0.94±.34; $M_{\theta\phi}$-0.31±.10; $M_{\phi r}$0.83±.30; Best double couple: NP1:ϕ_s42.00000°,δ62.00000° ,λ4.00000°. NP2:ϕ_s310.00000°,δ86.00000°,λ151.00000°. Principal axes: T 2.5810,Plg22.0000°,Azm262.0000°; N 0.1770,Plg61.0000°,Azm123.0000° ; P -2.7590,Plg17.0000°,Azm359.0000° M_o2.67000×10^{16}

ISC	**XII**	**04 08 46 24.5–.56**	**59.92S–.09**	**29.6W–.10**	**10**	**4.5b,4.4s**	**34**	**7-152**	
IDC	XII	04 08 46 22.9–.78	59.77S	30.08W	0	4.3s,4.0b			**¶621612990**
NEIC	XII	04 08 46 24.9–1.6	59.93S–.09	29.64W–.09	10–1	4.6b,4.0b			
GCMT	XII	04 08 46 28.3–.20	59.97S–.01	29.15W–.02	18–1	5.0W,4.0b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040846A. Moment Tensor Solution. s44,c54; s114,c171; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.16±.14 $M_{\theta\theta}$-1.53±.12; $M_{\phi\phi}$1.38±.11; $M_{r\theta}$1.80±.31; $M_{\theta\phi}$4.16±.10; $M_{\phi r}$0.68±.25; Best double couple: NP1:ϕ_s349.00000°,δ67.00000° ,λ176.00000°. NP2:ϕ_s81.00000°,δ86.00000°,λ23.00000°. Principal axes: T 4.8860,Plg19.0000°,Azm308.0000°; N -0.1470,Plg67.0000°,Azm91.0000° ; P -4.7320,Plg13.0000°,Azm213.0000° M_o4.80900×10^{16}

ISC	**XII**	**04 06 57 59.6–.56**	**57.82S–.09**	**23.8W–.10**	**10**	**4.5b**	**33**	**14-153**	
IDC	XII	04 06 57 58.6–.94	57.66S	23.94W	0	4.1L,4.1b			**¶621612996**
NEIC	XII	04 06 57 59.9–1.3	57.88S–.05	23.8W–.20	10–1	4.6b,4.1b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**04 04 32 02.4–.78**	**59.8S–.10**	**29.7W–.20**	**10**	**4.0b**	**12**	**14-151**	
IDC	XII	04 04 32 01.2–.84	59.69S	29.72W	0	3.9b,3.9			**¶621613005**
GCMT	XII	04 04 32 08.8–.20	59.82S–.01	29.28W–.02	17–1	5.1W,3.9			
GCMT	XII	04 04 32 16.0	59.75S	28.75W	10	5.0s,3.9			

ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=22.9km az=56.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202112040432A. Moment Tensor Solution. s36,c43; s119,c175;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.32±.16 $M_{\theta\theta}$-0.03±.15; $M_{\phi\phi}$0.34±.13; $M_{r\theta}$1.24±.39; $M_{\theta\phi}$4.64±.12; $M_{\phi r}$1.37±.36; Best double couple: NP1:ϕ_s90.00000°,δ77.00000°,λ12.00000°. NP2:ϕ_s357.00000° ,δ78.00000°,λ167.00000°. Principal axes: T 5.4000,Plg18.0000°,Azm314.0000° ; N -0.9160,Plg72.0000°,Azm137.0000°; P -4.4840,Plg1.0000°,Azm44.0000° M_o4.94200×10^{16}

ISC	**XII**	**04 04 33 08.9–.96**	**59.7S–.20**	**28.9W–.30**	**10**	**4.3b**	**11**	**14-152**	
IDC	XII	04 04 33 07.5–1.0	59.59S	29.03W	0	4.3b,4.3			**¶621613000**

ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=23.1km az=67.0.

ISC	**XII**	**04 04 36 35.3–.54**	**59.75S–.08**	**29.2W–.10**	**10**	**4.3b**	**36**	**7-152**	
IDC	XII	04 04 36 34.6–.75	59.72S	29.05W	0	4.6s,4.1b			**¶621612977**
NEIC	XII	04 04 36 35.1–2.0	59.8S–.10	29.2W–.20	10–1	4.7b,4.1b			
GCMT	XII	04 04 36 42.1–.30	59.77S–.02	29.21W–.03	17–1	5.0W,4.1b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040436A. Moment Tensor Solution. s25,c32; s109,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.06±.15 $M_{\theta\theta}$-0.58±.14; $M_{\phi\phi}$0.63±.13; $M_{r\theta}$1.50±.42; $M_{\theta\phi}$3.66±.12; $M_{\phi r}$0.61±.35; Best double couple: NP1:ϕ_s354.00000°,δ68.00000° ,λ175.00000°. NP2:ϕ_s86.00000°,δ85.00000°,λ22.00000°. Principal axes: T 4.2270,Plg19.0000°,Azm312.0000°; N -0.3850,Plg67.0000°,Azm97.0000° ; P -3.8430,Plg12.0000°,Azm218.0000° M_o4.03500×10^{16}

ISC	**XII**	**04 14 27 15.6–.24**	**59.73S–.05**	**29.49W–.05**	**10**	**5.4s,5.1b**	**268**	**7-169**	
NEIC	XII	04 14 27 09.1–2.2	59.73S–.07	28.01W–.09	10–1	5.7,5.4			**¶621612436**
NEIC	XII	04 14 27 10.3	59.70S	28.04W	11	5.7,5.4			
NEIC	XII	04 14 27 10.3	59.70S	28.04W	11	5.7,5.4			
BJI	XII	04 14 27 13.0	59.60S	28.20W	20	5.9s,5.6			
NEIC	XII	04 14 27 13.1	59.50S	28.43W	12	5.7,5.6			
IDC	XII	04 14 27 14.0–.50	59.69S	29.32W	0	5.3s,4.6b			
GFZ	XII	04 14 27 17.3	59.70S	29.52W	26	5.7W,4.6b			
MOS	XII	04 14 27 17.7–2.0	60.03S	30.38W	10	5.1b,4.6b			
GFZ	XII	04 14 27 17.3–.17	60S–4.0	30W–3.0	10	5.8b,5.6			
GCMT	XII	04 14 27 21.6–.10	59.86S–.01	29.13W–.01	13–0	5.7W,5.6			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.11 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$1.85 $M_{r\theta}$0.22 $M_{\theta\phi}$3.64 $M_{\phi r}$0.45 NP1:ϕ_s76.37000°,δ84.52000°,λ4.65000°. NP2:ϕ_s345.92000°,δ85.37000° ,λ174.50000°. Principal axes: T 4.1140,Plg7.0000°,Azm301.0000°; N 0.0521,Plg83.0000° ,Azm126.0000°; P -4.1661,Plg1.0000°,Azm31.0000° M_o4.14000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$1.56 $M_{r\theta}$-1.66 $M_{\theta\phi}$3.11 $M_{\phi r}$-0.06 NP1:ϕ_s168.13000°,δ64.94000° ,λ-175.79000°. NP2:ϕ_s76.34000°,δ86.19000°,λ-25.12000°. Principal axes: T 3.7488,Plg15.0000°,Azm125.0000°; N 0.1742,Plg65.0000°,Azm248.0000° ; P -3.9230,Plg20.0000°,Azm29.0000° M_o3.84000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.15 $M_{\theta\theta}$-2.70 $M_{\phi\phi}$2.55 $M_{r\theta}$-0.22 $M_{\theta\phi}$3.97 $M_{\phi r}$2.10 NP1: ϕ_s342.51360°,δ86.08040°,λ156.52140°. NP2:ϕ_s74.21432°,δ66.57961°,λ4.27215°. Principal axes: T 5.2909,Plg19.2319°,Azm295.8987°; N -0.1695,Plg66.2148°,Azm153.5703° ; P -5.1215,Plg13.4574°,Azm30.6873° M_o5.20827×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112041427A. Moment Tensor Solution. s130,c222; s160,c333;Duration: 1ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.04 $M_{\theta\theta}$-1.50±.04; $M_{\phi\phi}$1.63±.04; $M_{r\theta}$0.13±.10; $M_{\theta\phi}$3.95±.04; $M_{\phi r}$0.57±.10; Best double couple: NP1:ϕ_s79.00000° ,δ83.00000°,λ3.00000°. NP2:ϕ_s349.00000°,δ87.00000°,λ173.00000°. Principal axes: T 4.3790,Plg7.0000°,Azm304.0000°; N -0.1780,Plg83.0000°,Azm147.0000° ; P -4.1940,Plg3.0000°,Azm34.0000° M_o4.28700×10^{17}

ISC	**XII**	**04 04 49 03.3–.50**	**59.70S–.09**	**29.3W–.10**	**18**	**4.8s,4.8b**	**40**	**7-152**	
IDC	XII	04 04 49 00.8–.76	59.58S	29.53W	0	4.7s,4.3b			**¶621612998**
NEIC	XII	04 04 49 02.7–1.3	59.7S–.10	29.4W–.30	10–1	4.9b,4.3b			
GCMT	XII	04 04 49 06.5–.10	59.87S–.01	29.14W–.01	14–0	5.3W,4.3b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040449A. Moment Tensor Solution. s91,c127; s140,c255;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.02 $M_{\theta\theta}$-0.31±.02; $M_{\phi\phi}$0.32±.02; $M_{r\theta}$0.13±.04; $M_{\theta\phi}$1.10±.02; $M_{\phi r}$0.07±.04; Best double couple: NP1:ϕ_s352.00000° ,δ83.00000°,λ178.00000°. NP2:ϕ_s82.00000°,δ88.00000°,λ7.00000°. Principal axes: T 1.1680,Plg6.0000°,Azm307.0000°; N -0.0310,Plg83.0000°,Azm102.0000° ; P -1.1380,Plg3.0000°,Azm217.0000° M_o1.15300×10^{17}

ISC	**XII**	**04 09 31 04.9–.58**	**59.7S–.10**	**29.6W–.10**	**18**	**4.3b,4.0s**	**28**	**7-151**	
IDC	XII	04 09 31 03.2–1.0	59.63S	30.20W	0	4.0s,3.9b			**¶621630657**
NEIC	XII	04 09 31 03.8–1.4	59.7S–.10	29.6W–.20	10–1	4.4b,3.9b			
GCMT	XII	04 09 31 07.0–.30	59.82S–.02	29.38W–.03	17–1	4.9W,3.9b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040931A. Moment Tensor Solution. s17,c18; s87,c124; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.38±.10 $M_{\theta\theta}$-2.77±.12; $M_{\phi\phi}$2.40±.09; $M_{r\theta}$-0.55±.28; $M_{\theta\phi}$-0.26±.07; $M_{\phi r}$0.89±.26; Best double couple: NP1:ϕ_s44.00000°,δ68.00000° ,λ9.00000°. NP2:ϕ_s310.00000°,δ82.00000°,λ158.00000°. Principal axes: T 2.7720,Plg21.0000°,Azm265.0000°; N 0.0980,Plg67.0000°,Azm111.0000° ; P -2.8640,Plg9.0000°,Azm359.0000° M_o2.81800×10^{16}

ISC	**XII**	**04 10 06 04.9–.54**	**59.76S–.08**	**29.19W–.10**	**10**	**4.6b,4.2s**	**32**	**7-152**	
IDC	XII	04 10 06 04.0–.99	59.69S	29.31W	0	4.1s,4.0b			**¶621612988**
NEIC	XII	04 10 06 05.2–1.4	59.79S–.09	29.2W–.20	10–5	4.7b,4.0b			
GCMT	XII	04 10 06 09.1–.30	60.00S–.02	29.09W–.04	23–2	4.9W,4.0b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112041006A. Moment Tensor Solution. s19,c19; s84,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.42±.18 $M_{\theta\theta}$-0.76±.16; $M_{\phi\phi}$0.33±.14; $M_{r\theta}$0.20±.22; $M_{\theta\phi}$3.00±.11; $M_{\phi r}$0.43±.21; Best double couple: NP1:ϕ_s85.00000°,δ81.00000° ,λ6.00000°. NP2:ϕ_s354.00000°,δ84.00000°,λ171.00000°. Principal axes: T 2.9250,Plg11.0000°,Azm310.0000°; N 0.3380,Plg79.0000°,Azm140.0000° ; P -3.2640,Plg2.0000°,Azm40.0000° M_o3.09400×10^{16}

ISC	**XII**	**05 15 13 24.5–.90**	**59.8S–.10**	**29.4W–.20**	**10**	**3.9b,3.5s**	**9**	**14-152**	
IDC	XII	05 15 13 22.9–.97	59.78S	29.46W	0	3.9b,3.9			**¶621631263**

ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=25.7km az=84.0.

ISC	**XII**	**04 23 06 22.0–.58**	**57.33S–.10**	**25.4W–.10**	**43**	**4.6b**	**40**	**7-152**	
IDC	XII	04 23 06 16.0–.79	57.20S	25.32W	0	4.3b,4.2			**¶621612984**
NEIC	XII	04 23 06 21.3–1.8	57.4S–.10	25.4W–.20	35–1	4.6b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**05 13 00 51.0–.73**	**56.7S–.10**	**25.3W–.10**	**10**	**4.5b**	**23**	**7-151**	
IDC	XII	05 13 00 49.3–1.5	56.71S	24.88W	0	4.2b,4.2			**¶621631254**
NEIC	XII	05 13 00 50.4–1.5	56.6S–.10	25.1W–.10	10–1	4.7b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**05 13 04 51.8–.82**	**56.8S–.10**	**25.5W–.10**	**10**	**4.6b,3.5s**	**27**	**7-151**	
IDC	XII	05 13 04 48.7–1.0	56.71S	25.05W	0	4.2b,4.2			**¶621631255**
NEIC	XII	05 13 04 50.6–.72	56.8S–.10	25.2W–.20	10–1	4.5b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**05 16 07 44.9–2.1**	**59.6S–.80**	**25W–2.0**	**10**		**7**	**13-153**	
IDC	XII	05 16 07 39.9–1.3	59.30S	26.28W	0	4.1L,3.9			**¶621631265**

ISC Event type se.
IDC Error ellipse: s-maj=70.6km s-min=28.0km az=83.0.

ISC	**XII**	**06 01 54 59.4–.43**	**58.83S–.06**	**25.24W–.07**	**42–3**	**4.8b,4.0s**	**159**	**8-154**	
IDC	XII	06 01 54 53.4–.47	58.77S	25.30W	0	5.3L,4.6b			**¶621632561**
NEIC	XII	06 01 54 59.7–1.5	58.84S–.09	25.3W–.20	44–5	5.0b,4.6b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**05 18 26 26.8–.22**	**59.86S–.05**	**29.49W–.05**	**10**	**5.4s,5.2b**	**417**	**7-170**	
IDC	XII	05 18 26 24.8–.38	59.82S	29.38W	0	5.3s,4.7b			**¶621613017**
NEIC	XII	05 18 26 26.1–1.8	59.83S–.08	29.44W–.04	10–1	5.6,5.5b			
NEIC	XII	05 18 26 26.5	59.86S	29.25W	13	5.6,5.5b			
NEIC	XII	05 18 26 26.5	59.86S	29.25W	13	5.6,5.5b			
MOS	XII	05 18 26 26.7–1.1	59.94S	29.47W	23	5.5b,5.3s			
BJI	XII	05 18 26 26.2	59.80S	29.40W	10	5.7s,5.7b			
NEIC	XII	05 18 26 27	59.76S	28.85W	12	5.6,5.7b			
GFZ	XII	05 18 26 28.2–.14	60S–3.0	29W–2.0	10	6.0b,5.8			
GCMT	XII	05 18 26 31.6–.10	59.94S–.01	29.15W–.01	12	5.7W,5.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.43 $M_{\theta\theta}$-1.99 $M_{\phi\phi}$1.56 $M_{r\theta}$-0.33 $M_{\theta\phi}$3.07 $M_{\phi r}$0.59 NP1:ϕ_s74.86000°,δ79.73000°,λ-0.72000°. NP2:ϕ_s164.99000°,δ89.29000° ,λ-169.73000°. Principal axes: T 3.3745,Plg7.0000°,Azm299.0000°; N 0.4685,Plg80.0000° ,Azm169.0000°; P -3.8430,Plg8.0000°,Azm30.0000° $M_0$3.63000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$1.74 $M_{r\theta}$-0.05 $M_{\theta\phi}$2.51 $M_{\phi r}$-0.31 NP1:ϕ_s255.65000°,δ84.51000° ,λ0.52000°. NP2:ϕ_s165.60000°,δ89.48000°,λ174.51000°. Principal axes: T 3.2482,Plg4.0000°,Azm120.0000°; N -0.7273,Plg84.0000°,Azm340.0000° ; P -2.5209,Plg4.0000°,Azm211.0000° $M_0$2.95000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112051826A. Moment Tensor Solution. s140,c244; s156,c335;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.03 $M_{\theta\theta}$-1.49±.04; $M_{\phi\phi}$1.58±.04; $M_{r\theta}$-0.14±.09; $M_{\theta\phi}$3.41±.03; $M_{\phi r}$0.70±.09; Best double couple: NP1:ϕ_s78.00000° ,δ79.00000°,λ0.00000°. NP2:ϕ_s168.00000°,δ90.00000°,λ-169.00000°. Principal axes: T 3.8530,Plg8.0000°,Azm302.0000°; N -0.0920,Plg79.0000°,Azm169.0000° ; P -3.7630,Plg8.0000°,Azm33.0000° $M_0$3.80800×10^{17}

ISC	**XII**	**06 20 50 31.2–.58**	**59.1S–.10**	**25.6W–.10**	**35**	**4.2b**	**41**	**8-153**
IDC	XII	06 20 50 26.1–.78	58.99S	25.47W	0	4.1b,4.1		**¶621632624**
NEIC	XII	06 20 50 31.4–1.2	59.1S–.10	25.7W–.10	35–1	4.3b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**06 05 02 27.9–.46**	**58.76S–.06**	**24.94W–.08**	**34–1**	**4.8b,4.2s**	**125**	**8-153**
IDC	XII	06 05 02 22.8–.46	58.72S	25.13W	0	4.6b,4.6		**¶621632572**
NEIC	XII	06 05 02 28.3–2.0	58.8S–.10	25.1W–.20	35–1	4.9b,4.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**06 05 07 28.9–.51**	**58.82S–.08**	**25.57W–.09**	**35**	**4.6b**	**54**	**8-153**
IDC	XII	06 05 07 25.4–.85	58.61S	25.37W	0	4.3L,4.1		**¶621632574**
NEIC	XII	06 05 07 28.8–1.1	58.85S–.10	25.48W–.09	35–2	4.6b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**06 05 09 35.8–.45**	**58.69S–.07**	**25.59W–.08**	**38**	**4.2b**	**85**	**7-152**
IDC	XII	06 05 09 31.2–.91	58.62S	25.41W	0	4.1L,4.0		**¶621632575**
NEIC	XII	06 05 09 36.1–1.3	58.64S–.08	25.6W–.10	35–1	4.3b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**06 05 09 49.8–.39**	**58.84S–.07**	**25.57W–.08**	**35**	**4.5b**	**99**	**8-154**
IDC	XII	06 05 09 45.0–.62	58.46S	25.53W	0	4.4b,4.4		**¶621632578**
NEIC	XII	06 05 09 49.6–1.2	58.90S–.10	25.5W–.20	35–1	4.6b,4.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 05 49 48.8–.48**	**57.43S–.09**	**25.7W–.10**	**43**	**4.2b,3.6s**	**54**	**15-153**
IDC	XII	07 05 49 42.8–.64	57.43S	25.47W	0	4.3b,4.3		**¶621627139**
NEIC	XII	07 05 49 50.1–1.3	57.51S–.10	25.8W–.20	53–7	4.3b,4.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 11 40 47.1–.55**	**59.70S–.09**	**27.07W–.09**	**30**	**4.3b**	**54**	**7-152**
IDC	XII	07 11 40 43.9–.77	59.64S	26.86W	0	5.0L,4.3		**¶621627122**
NEIC	XII	07 11 40 44.1–1.3	59.6S–.10	26.9W–.20	10–1	4.3b,4.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 15 55 53.9–.28**	**57.53S–.04**	**25.94W–.04**	**36–1**	**5.7b,5.4s**	**903**	**7-177**
BJI	XII	07 15 55 51.0	57.50S	25.90W	30	5.8b,5.7s		**¶621883655**
GFZ	XII	07 15 55 51.6–.22	57S–4.0	26W–4.0	10	6.0b,5.8		
MOS	XII	07 15 55 53.8–.69	57.48S	26.00W	49	5.9b,5.3s		
ISC-P	XII	07 15 55 53	57.46S	25.75W	29–4	6.2,5.3s		
NEIC	XII	07 15 55 53.7–1.9	57.46S–.08	25.8W–.10	31–1	5.8b,5.7		
NEIC	XII	07 15 55 54.3	57.51S	25.82W	33	5.8b,5.7		
IPGP	XII	07 15 55 54.0	57.51S	25.82W	38	5.9W,5.7		
NEIC	XII	07 15 55 54.1	57.51S	25.82W	33	5.9W,5.7		
GFZ	XII	07 15 55 55.1	57.50S	26.02W	50	5.7W,5.7		
IDC	XII	07 15 55 57.7–1.6	57.47S	25.94W	70–13	5.5,5.2b		
GCMT	XII	07 15 55 57.9–.10	57.51S–.01	25.21W–.01	50–0	5.8W,5.2b		
NEIC	XII	07 15 55 59.6	57.51S	25.82W	30	5.8,5.2b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=19.1km s-min=10.6km az=102.8.
ISC-P Moment Tensor Solution. s29 Moment tensor: Scale 10^{18}Nm; M_{rr}0.73±.16 $M_{\theta\theta}$-0.40±.23; $M_{\phi\phi}$-0.13±.18; $M_{r\theta}$0.12±.14; $M_{\theta\phi}$-0.01±.31; $M_{\phi r}$-0.36±.13; NP1:ϕ_s227.80000°,δ41.90000° ,λ79.40000°. NP2:ϕ_s62.00000°,δ49.00000°,λ99.40000°. $M_0$2.24000×10^{18}
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.5km az=37.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.08 $M_{\theta\theta}$-0.88 $M_{\phi\phi}$-3.20 $M_{r\theta}$-0.56 $M_{\theta\phi}$2.27 $M_{\phi r}$1.07 NP1:ϕ_s329.78000°,δ52.75000°,λ91.56000°. NP2:ϕ_s147.19000°,δ37.28000° ,λ87.94000°. Principal axes: T 4.2452,Plg82.0000°,Azm248.0000°; N 0.5087,Plg1.0000° ,Azm149.0000°; P -4.7539,Plg8.0000°,Azm59.0000° $M_0$4.52000×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s178.00000°,δ38.00000°,λ94.00000°. NP2:ϕ_s352.00000° ,δ52.00000°,λ87.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.41 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-4.16 $M_{r\theta}$-0.17 $M_{\theta\phi}$1.38 $M_{\phi r}$1.49 NP1: ϕ_s158.63762°,δ36.06143°,λ84.05449°. NP2:ϕ_s345.97849°,δ54.16268°,λ94.31348°. Principal axes: T 4.6649,Plg80.2705°,Azm274.3213°; N 0.1654,Plg3.4957°,Azm163.4499° ; P -4.8303,Plg9.0685°,Azm72.8912° $M_0$4.74978×10^{17}
IDC Error ellipse: s-maj=13.0km s-min=9.6km az=48.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112071555A. Moment Tensor Solution. s157,c334; s153,c437;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.20±.05 $M_{\theta\theta}$0.15±.04; $M_{\phi\phi}$-5.36±.04; $M_{r\theta}$0.22±.04; $M_{\theta\phi}$1.39±.03; $M_{\phi r}$1.73±.04; Best double couple: NP1:ϕ_s159.00000°,δ37.00000°,λ79.00000°. NP2:ϕ_s353.00000°,δ54.00000°,λ98.00000°. Principal axes: T 5.5130,Plg79.0000°,Azm297.0000°; N 0.4120,Plg7.0000°,Azm168.0000° ; P -5.9310,Plg8.0000°,Azm77.0000° $M_0$5.72200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.41 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-4.73 $M_{r\theta}$-1.81 $M_{\theta\phi}$1.19 $M_{\phi r}$2.44 NP1:ϕ_s173.21000°,δ31.36000° ,λ105.77000°. NP2:ϕ_s334.91000°,δ59.94000°,λ80.59000°. Principal axes: T 6.2949,Plg73.0000°,Azm221.0000°; N -0.5079,Plg8.0000°,Azm340.0000° ; P -5.7871,Plg14.0000°,Azm72.0000° $M_0$6.06000×10^{17}

ISC	**XII**	**07 21 05 43.6–.00**	**57.4S–.20**	**25.6W–.30**	**43**	**4.0b**	**9**	**15-152**
IDC	XII	07 21 05 37.6–1.1	57.33S	25.67W	0	3.9b,3.9		**¶621627133**

ISC Event type se.
IDC Error ellipse: s-maj=56.3km s-min=27.1km az=85.0.

ISC	**XII**	**07 14 51 39.0–.67**	**57.3S–.10**	**25.6W–.10**	**43**	**4.3b**	**24**	**7-152**
IDC	XII	07 14 51 32.8–1.0	57.27S	25.64W	0	3.9b,3.9		**¶621627134**
NEIC	XII	07 14 51 38.2–.68	57.3S–.10	25.5W–.20	35–1	4.5b,3.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 19 07 21.2–.41**	**57.40S–.08**	**25.68W–.09**	**43**	**4.4b,3.9s**	**71**	**7-152**
IDC	XII	07 19 07 15.3–.52	57.40S	25.65W	0	4.4b,4.4		**¶621632690**
NEIC	XII	07 19 07 21.9–1.1	57.5S–.10	25.7W–.10	53–6	4.6b,4.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 00 16 57.5–.31**	**59.74S–.05**	**26.39W–.05**	**42–2**	**5.4b,4.8s**	**498**	**8-173**
GFZ	XII	08 00 16 54.6–.15	60S–3.0	27W–3.0	10	5.9b,5.7		**¶621620185**
NEIC	XII	08 00 16 56.9–1.6	59.7S–.10	26.4W–.20	35–1	5.4b,5.2		
IDC	XII	08 00 16 58.5–1.1	59.71S	26.41W	46–9	5.1,4.9b		
BJI	XII	08 00 17 00.0	59.70S	26.40W	74	5.8s,5.8		
GCMT	XII	08 00 17 01.8–.20	60.05S–.01	25.75W–.02	36–0	5.3W,5.8		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112080017B. Moment Tensor Solution. s68,c105; s99,c161; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.79±.04 $M_{\theta\theta}$0.37±.03; $M_{\phi\phi}$-1.16±.03; $M_{r\theta}$-0.45±.03; $M_{\theta\phi}$-0.42±.02; $M_{\phi r}$0.45±.03; Best double couple: NP1:ϕ_s226.00000°,δ47.00000° ,λ142.00000°. NP2:ϕ_s344.00000°,δ63.00000°,λ50.00000°. Principal axes: T 1.2330,Plg53.0000°,Azm205.0000°; N 0.0900,Plg35.0000°,Azm5.0000° ; P -1.3240,Plg10.0000°,Azm102.0000° $M_0$1.27900×10^{17}

ISC	**XII**	**08 16 30 50.4–.65**	**57.0S–.10**	**24.7W–.10**	**10**	**4.5b**	**35**	**7-153**
IDC	XII	08 16 30 48.8–.91	57.00S	24.60W	0	4.2b,4.2		**¶621624267**
NEIC	XII	08 16 30 50.8–1.3	57.0S–.20	24.8W–.20	10–1	4.6b,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 10 31 09.4–.44**	**58.74S–.08**	**25.31W–.10**	**38**	**4.7b,4.0s**	**79**	**8-154**
IDC	XII	08 10 31 04.1–.52	58.60S	25.22W	0	4.8L,4.5b		**¶621624248**
NEIC	XII	08 10 31 07.3–1.3	58.8S–.10	25.3W–.20	21–6	4.7b,4.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 02 45 20.7–.96**	**56.0S–.20**	**27.5W–.30**	**112**		**12**	**17-150**
IDC	XII	08 02 45 07.5–.99	55.88S	27.53W	0	4.3L,4.1b		**¶621624254**

ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=25.3km az=76.0.

ISC	**XII**	**09 00 39 27.3–.54**	**57.5S–.10**	**24.3W–.10**	**10**	**4.5b**	**48**	**8-152**
IDC	XII	09 00 39 25.6–.75	57.38S	24.34W	0	4.1b,4.1		**¶621627179**
NEIC	XII	09 00 39 27.1–1.1	57.4S–.20	24.3W–.10	10–1	4.6b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**09 01 13 26.8–.70**	**59.6S–.10**	**23.9W–.10**	**10**	**4.3b**	**29**	**9-154**
IDC	XII	09 01 13 26.8–1.6	59.38S	23.95W	0	5.0L,4.6		**¶621627150**
NEIC	XII	09 01 13 27.1–1.9	59.6S–.10	23.91W–.07	10–1	4.5b,4.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**09 09 37 31.8–1.2**	**58.3S–.30**	**26.6W–.30**	**172**		**6**	**33-152**
IDC	XII	09 09 37 30.3–13	58.28S	26.50W	158–111	4.1,3.7b		**¶621627173**

ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=35.6km az=147.0.

ISC	**XII**	**09 01 55 20.4–.42**	**57.71S–.08**	**25.55W–.09**	**43**	**4.6b**	**67**	**7-152**
IDC	XII	09 01 55 13.9–.58	57.69S	25.70W	0	4.4b,4.4		**¶621636543**
NEIC	XII	09 01 55 22.7–1.1	57.8S–.10	25.7W–.20	65–5	4.7b,4.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**08 20 48 47.7–.47**	**57.20S–.07**	**25.44W–.07**	**54–4**	**4.8b,4.1s**	**231**	**7-160**
IDC	XII	08 20 48 40.4–.45	57.02S	25.19W	0	4.6L,4.5b		**¶621622153**
GCMT	XII	08 20 48 47.6–.30	57.21S–.03	24.48W–.03	26–1	5.0W,4.5b		
NEIC	XII	08 20 48 48.2–1.7	57.3S–.10	25.6W–.10	58–4	5.0b,4.5b		
GFZ	XII	08 20 48 51.0–.36	57S–5.0	25W–3.0	76–3	4.8b,4.8		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112082048A. Moment Tensor Solution. s33,c42; s65,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.35±.25 $M_{\theta\theta}$1.21±.21; $M_{\phi\phi}$-3.57±.15; $M_{r\theta}$0.37±.40; $M_{\theta\phi}$0.76±.10; $M_{\phi r}$1.14±.23; Best double couple: NP1:ϕ_s149.00000°,δ39.00000° ,λ57.00000°. NP2:ϕ_s9.00000°,δ58.00000°,λ114.00000°. Principal axes: T 2.7340,Plg67.0000°,Azm328.0000°; N 1.1310,Plg20.0000°,Azm176.0000° ; P -3.8740,Plg10.0000°,Azm82.0000° $M_0$3.30400×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**XII**	**10 05 03 38.7–.69**	**56.05S–.06**	**27.62W–.07**	**130–5**	**4.8b**	**148**	**5-159**
NEIC	XII	10 05 03 36.1–.91	56.1S–.10	27.7W–.20	101–4	4.9b		**¶621627771**
IDC	XII	10 05 03 39.6–1.3	56.05S	27.76W	133–10	4.8,4.3b		
GCMT	XII	10 05 03 39.7–.20	56.09S–.02	27.37W–.03	118–3	5.0W,4.3b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112100503A. Moment Tensor Solution. s30,c35; s109,c149; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.35±.12 $M_{\theta\theta}$-1.17±.18; $M_{\phi\phi}$-0.17±.17; $M_{r\theta}$-2.21±.10; $M_{\theta\phi}$3.14±.13; $M_{\phi r}$-1.26±.08; Best double couple: NP1:ϕ_s168.00000°,δ55.00000° ,λ158.00000°. NP2:ϕ_s271.00000°,δ72.00000°,λ37.00000°. Principal axes: T 4.4250,Plg39.0000°,Azm135.0000°; N -0.4040,Plg49.0000°,Azm294.0000° ; P -4.0180,Plg11.0000°,Azm36.0000° $M_0$4.22100×10^{16}

ISC	**XII**	**09 11 39 37.6–.57**	**59.63S–.09**	**25.98W–.09**	**40**	**4.6b**	**43**	**8-153**
IDC	XII	09 11 39 32.6–.89	59.51S	26.13W	0	4.7L,4.2		**¶621627151**
NEIC	XII	09 11 39 37.9–2.2	59.54S–.07	26.0W–.20	35–1	4.7b,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**10 11 11 07.5–.46**	**58.19S–.06**	**26.07W–.07**	**86–4**	**4.9b**	**96**	**7-163**
NEIC	XII	10 11 11 06.7–.84	58.2S–.10	26.1W–.20	80–7	5.0b		**¶621627775**
IDC	XII	10 11 11 08.6–.85	58.22S	25.77W	87–7	4.6,4.3b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=14.0km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.2km s-min=14.7km az=84.0.

ISC	**XII**	**10 19 45 20.4–.32**	**58.91S–.06**	**25.58W–.07**	**35**	**4.9b,3.9s**	**146**	**8-155**
IDC	XII	10 19 45 15.0–.49	58.71S	25.46W	0	4.7L,4.5b		**¶621627325**
NEIC	XII	10 19 45 24.3–1.5	58.92S–.09	25.9W–.20	68–4	5.0b,4.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**10 12 35 13.4–.59**	**60.46S–.09**	**27.02W–.10**	**19**	**4.3b**	**37**	**13-153**
IDC	XII	10 12 35 10.8–.82	60.26S	26.92W	0	4.2b,4.1		**¶621644129**
NEIC	XII	10 12 35 12.6–1.6	60.5S–.10	27.0W–.20	13–6	4.4b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**11 14 35 48.6–.43**	**56.14S–.05**	**27.86W–.05**	**108–3**	**5.0b**	**247**	**5-176**
NEIC	XII	11 14 35 44.2–2.2	56.16S–.08	27.6W–.10	66–4	5.1b		**¶621627515**
IDC	XII	11 14 35 50.4–.72	56.02S	27.53W	119–5	5.1,4.6b		
GCMT	XII	11 14 35 52.0–.30	56.06S–.02	27.30W–.04	111–3	5.1W,4.6b		
GFZ	XII	11 14 35 56.8–.21	56S–4.0	24W–4.0	138	5.7b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112111435A. Moment Tensor Solution. s44,c56; s74,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.41±.25 $M_{\theta\theta}$0.51±.32; $M_{\phi\phi}$-1.91±.31; $M_{r\theta}$-4.38±.17; $M_{\theta\phi}$4.56±.22; $M_{\phi r}$0.04±.19; Best double couple: NP1:ϕ_s183.00000°,δ47.00000° ,λ167.00000°. NP2:ϕ_s282.00000°,δ81.00000°,λ44.00000°. Principal axes: T 6.6060,Plg37.0000°,Azm152.0000°; N -0.1010,Plg46.0000°,Azm291.0000° ; P -6.4970,Plg22.0000°,Azm45.0000° $M_0$6.55100×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**12 06 22 57.5–.64**	**59.94S–.10**	**26.7W–.10**	**26**	**4.1b**	**27**	**13-153**

IDC XII 12 06 22 53.9–1.3 59.76S 27.53W 0 4.3L,4.1 **¶621650475**
NEIC XII 12 06 22 58.5–.67 60.0S–.10 26.73W–.09 30–8 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 08 46 42.5–.36 59.39S–.07 25.86W–.08 40 4.9b 105 8-153
IDC XII 12 08 46 36.6–.58 59.29S 25.90W 0 5.0L,4.5 **¶621630732**
NEIC XII 12 08 46 42.7–.95 59.43S–.05 25.9W–.20 35–1 5.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 13 04 09 23.8–1.0 58.12S 27.28W 0 4.0b,4.0
¶621650549
IDC Error ellipse: s-maj=80.2km s-min=31.0km az=101.0.
ISC XII 12 10 57 38.1–1.2 58.4S–.20 25.9W–.40 35 9 14-152
IDC XII 12 10 57 33.2–1.2 58.36S 25.81W 0 3.9b,3.8 **¶621650500**
ISC Event type se.
IDC Error ellipse: s-maj=96.0km s-min=33.1km az=94.0.
ISC XII 13 14 03 48.2–.40 58.70S–.08 25.15W–.08 28 4.7b,3.9s 75 8-153
IDC XII 13 14 03 44.1–.55 58.56S 25.32W 0 4.9L,4.5 **¶621629937**
NEIC XII 13 14 03 48.1–1.2 58.73S–.09 25.1W–.20 24–4 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 13 19 33 12.8–.72 58.6S–.20 24.0W–.30 10 4.2b,3.3s 40 8-155
IDC XII 13 19 33 11.2–1.1 58.60S 25.16W 0 4.4L,4.1b **¶621629950**
NEIC XII 13 19 33 12.6–1.4 58.6S–.10 23.6W–.40 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 16 40 06.8–.82 60.5S–.10 24.7W–.10 10 4.0b 19 9-154
IDC XII 14 16 40 00.6–1.5 60.06S 27.05W 0 4.2L,3.9b **¶621652935**
NEIC XII 14 16 40 07.3–1.0 60.5S–.10 24.8W–.30 10–1 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 13 11 51 53.6–.50 56.34S–.07 26.4W–.10 88 4.5b 41 16-151
NEIC XII 13 11 51 48.4–1.4 56.30S–.10 26.4W–.10 35–2 4.5b **¶621629966**
IDC XII 13 11 52 01.8–6.6 56.37S 26.23W 157–61 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=4.6km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=17.9km az=89.0.
ISC XII 13 16 25 12.3–.81 57.3S–.10 25.5W–.10 43 4.1b 22 7-152
NEIC XII 13 16 25 11.6–1.2 57.4S–.20 25.4W–.20 35–1 4.4b **¶621650582**
IDC XII 13 16 25 17.9–9.2 57.45S 25.68W 94–84 4.0L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=16.0km az=31.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.0km s-min=28.7km az=78.0.
IDC XII 14 14 20 45.7–1.5 59.46S 26.82W 0 4.7L,4.1
¶621652927
IDC Error ellipse: s-maj=85.3km s-min=34.9km az=72.0.
ISC XII 14 04 07 12.3–.81 58.8S–.10 25.5W–.10 35 4.3b 25 8-153
IDC XII 14 04 07 07.6–2.0 58.31S 25.18W 0 4.0L,3.8 **¶621652865**
NEIC XII 14 04 07 12.6–.75 58.8S–.10 25.4W–.20 35–2 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 16 34 42.2–.42 57.94S–.07 25.19W–.06 44–3 4.9b,4.0s 182 7-155
NEIC XII 15 16 34 41.8–1.8 58.0S–.10 25.1W–.20 35–1 5.0b,4.0s **¶621630759**
GFZ XII 15 16 34 42.3–.21 58S–4.0 25W–3.0 43 4.9b,4.9
IDC XII 15 16 34 42.8–1.8 57.91S 25.29W 48–14 5.1L,4.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=14.7km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=21.2km s-min=15.6km az=65.0.
ISC XII 15 07 03 50.8–.45 59.52S–.08 26.12W–.09 40 4.7b,3.8s 80 8-153
IDC XII 15 07 03 45.0–.62 59.43S 26.25W 0 4.7L,4.5b **¶621654084**
NEIC XII 15 07 03 50.8–1.5 59.5S–.10 26.1W–.20 35–1 4.7b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 08 53 52.6–1.0 59.7S–.10 25.9W–.20 40 4.3b 27 8-153
IDC XII 15 08 53 47.4–1.8 59.57S 26.26W 0 4.8L,4.1 **¶621654092**
NEIC XII 15 08 53 52.0–1.8 59.5S–.10 25.6W–.30 35–5 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 12 33 56.1–.49 57.73S–.08 25.6W–.10 43 4.5b,3.5s 62 7-153
IDC XII 16 12 33 50.0–.64 57.63S 25.57W 0 4.4b,4.3 **¶621632736**
NEIC XII 16 12 33 59.3–1.7 57.87S–.06 25.8W–.20 69–6 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 17 15 15.8–.61 57.9S–.10 25.2W–.10 35 4.3b,3.5s 47 7-153
IDC XII 15 17 15 10.6–.81 57.74S 25.14W 0 4.5L,4.3b **¶621654127**
NEIC XII 15 17 15 16.0–1.2 57.9S–.10 25.3W–.30 35–1 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 00 58 36.4–.39 58.99S–.07 25.59W–.07 36–2 4.9b,3.7s 204 8-158
IDC XII 18 00 58 30.6–.44 58.95S 25.74W 0 4.7L,4.6b **¶621883722**
GFZ XII 18 00 58 32.1–.31 59S–5.0 25W–5.0 10 6.1,6.0
NEIC XII 18 00 58 37.3–1.8 58.97S–.09 25.6W–.10 42–5 4.9b,6.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 17 16 13.9–.49 56.52S–.09 27.79W–.09 100 4.6b 84 5-152
IDC XII 17 17 16 00.1–.82 56.04S 26.39W 0 4.4b,4.3 **¶621633468**
NEIC XII 17 17 16 11.8–1.2 56.5S–.10 27.6W–.20 79–3 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 17 43 41.4–1.1 59.7S–.20 26.2W–.20 50 4.3b 23 13-153
IDC XII 17 17 43 34.6–1.3 59.44S 26.68W 0 4.6L,4.0 **¶621656941**
NEIC XII 17 17 43 42.0–1.9 59.8S–.20 26.3W–.50 50–9 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 21 14 46.1–.61 60.12S–.04 23.78W–.04 15–3 5.8b,5.7s 1224 9-177
IDC XII 16 21 14 44.0–.29 60.05S 23.90W 0 5.7s,5.4b **¶621883710**
IPGP XII 16 21 14 45.0 60.23S 23.85W 16 6.0W,5.4b
GFZ XII 16 21 14 46.6–.11 60S–3.0 24W–2.0 10 6.4b,6.2
NEIC XII 16 21 14 46.6 60.18S 23.80W 15 6.4b,6.2
ISC-P XII 16 21 14 46 60.18S 23.84W 26–0 6.3,6.2
NEIC XII 16 21 14 46.6–1.6 60.18S–.08 23.8W–.20 15–1 5.9b,5.9
NEIC XII 16 21 14 46.6 60.18S 23.79W 15 5.9b,5.9
MOS XII 16 21 14 46.0–.91 60.15S 24.01W 18 6.0b,5.7s
GFZ XII 16 21 14 46.6 60.17S 23.90W 29 6.1W,5.7s
PTWC XII 16 21 14 49 60.00S 23.80W 6.1,5.7s
NEIC XII 16 21 14 50.2 59.98S 23.20W 20 6.0,5.7s
GCMT XII 16 21 14 50.6–.10 60.28S 23.11W 19–0 6.0W,5.7s
ISC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=10.8km az=27.0.
IPGP Moment Tensor Solution. NP1:ϕ_s41.00000°,δ29.00000°,λ-78.00000°. NP2:ϕ_s207.00000°,δ62.00000°,λ-96.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
ISC-P Moment Tensor Solution. s29 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.54±.07 $M_{\theta\theta}$0.37±.15; $M_{\phi\phi}$0.17±.12; $M_{r\theta}$0.27±.09; $M_{\theta\phi}$0.32±.15; $M_{\phi r}$-0.31±.14; NP1:ϕ_s278.40000°,δ54.20000°,λ232.10000°. NP2:ϕ_s151.40000°,δ50.20000°,λ-49.60000°. M_o3.16000×10^{18}
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.7km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.77 $M_{\theta\theta}$1.42 $M_{\phi\phi}$4.35 $M_{r\theta}$2.67 $M_{\theta\phi}$1.55 $M_{\phi r}$4.65 NP1:ϕ_s207.72000°,δ67.44000°,λ-87.12000°. NP2:ϕ_s20.24000°,δ22.73000°,λ-96.90000°. Principal axes: T 7.2178,Plg22.0000°,Azm296.0000°; N 0.7820,Plg3.0000°,Azm27.0000°; P -7.9998,Plg67.0000°,Azm123.0000° M_o7.64000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=19.0km s-min=10.1km az=99.2.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.68 $M_{\theta\theta}$0.75 $M_{\phi\phi}$0.93 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.57 $M_{\phi r}$0.83 NP1: ϕ_s204.51547°,δ57.75402°,λ-105.16182°. NP2:ϕ_s51.44028°,δ35.28141°,λ-67.48160°. Principal axes: T 1.5399,Plg11.5339°,Azm305.3955°; N 0.3909,Plg12.7799°,Azm212.7424°; P -1.9308,Plg72.6516°,Azm76.1825° M_o1.76806×10^{18}
PTWC SOUTH SANDWICH ISLANDS REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 5s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.24 $M_{\phi\phi}$0.78 $M_{r\theta}$-0.22 $M_{\theta\phi}$0.60 $M_{\phi r}$0.60 NP1:ϕ_s54.25000°,δ39.55000°,λ-53.32000°. NP2:ϕ_s190.24000°,δ59.30000°,λ-116.25000°. Principal axes: T 1.2398,Plg11.0000°,Azm299.0000°; N 0.0674,Plg22.0000°,Azm204.0000°; P -1.3071,Plg65.0000°,Azm52.0000° M_o1.27000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112162114A. Moment Tensor Solution. s157,c344; s159,c584;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.20±.01 $M_{\theta\theta}$0.32±.01; $M_{\phi\phi}$0.87±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$0.66±.01; $M_{\phi r}$0.63±.02; Best double couple: NP1:ϕ_s40.00000°,δ31.00000°,λ-79.00000°. NP2:ϕ_s208.00000°,δ59.00000°,λ-97.00000°. Principal axes: T 1.4840,Plg14.0000°,Azm302.0000°; N -0.1060,Plg6.0000°,Azm211.0000°; P -1.3790,Plg75.0000°,Azm100.0000° M_o1.43200×10^{18}
ISC XII 19 08 09 27.3–.45 57.91S–.06 25.33W–.06 35–2 4.9b,3.9s 291 7-175
IDC XII 19 08 09 21.9–.43 57.84S 25.42W 0 5.1L,4.8b **¶621633624**
NEIC XII 19 08 09 27.3–1.1 58.0S–.10 25.29W–.10 35–1 5.0b,4.8b
GFZ XII 19 08 09 28.4–.21 58S–4.0 25W–4.0 45 6.1,6.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 19 14 35 50.0–.77 58.4S–.10 25.2W–.10 28 4.2b,3.4s 40 8-154
IDC XII 19 14 35 46.0–1.2 58.31S 25.11W 0 4.6L,4.2 **¶621634780**
NEIC XII 19 14 35 51.8–.98 58.5S–.10 25.2W–.30 35–6 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 00 31 57.9–.51 59.23S–.10 26.0W–.10 70 4.5b 36 14-153
IDC XII 20 00 32 00.4–.74 59.22S 26.20W 84–6 4.4,4.1b **¶621635081**
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=16.2km az=71.0.
ISC XII 21 08 25 30.7–.49 57.94S–.08 25.4W–.10 49 4.5b,3.5s 74 7-154
NEIC XII 21 08 25 29.1–2.0 57.97S–.08 25.3W–.10 35–1 4.6b,3.5s **¶621640253**
IDC XII 21 08 25 30.6–2.7 57.90S 25.33W 46–23 4.5,4.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.1km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=16.9km az=66.0.
ISC XII 20 05 55 02.8–.48 56.79S–.08 23.76W–.09 10 4.5b 68 8-152
IDC XII 20 05 55 01.9–.79 56.79S 23.77W 0 5.0L,4.6 **¶621635080**
NEIC XII 20 05 55 02.8–1.4 56.85S–.09 23.7W–.20 10–1 4.5b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 03 39 34.9–.53 56.78S–.03 24.01W–.03 14–3 6.0b,5.8s 1446 8-176
BJI XII 20 03 39 32.4 56.90S 24.10W 20 6.1b,6.0s **¶621633822**
IDC XII 20 03 39 32.6–.27 56.72S 24.11W 0 5.7b,5.7
MOS XII 20 03 39 33.5–.88 56.76S 24.15W 12 6.1b,5.5s
NEIC XII 20 03 39 34.3 56.80S 24.09W 10 6.1b,5.5s
NEIC XII 20 03 39 34.3 56.80S 24.09W 10 6.1b,5.5s
NEIC XII 20 03 39 34.3–1.5 56.84S–.09 24.0W–.10 10–1 6.1b,5.9
IPGP XII 20 03 39 34.0 56.85S 24.09W 9 5.9W,5.9
GFZ XII 20 03 39 35.6 56.85S 24.04W 18 6.1W,5.9
GFZ XII 20 03 39 35.6–.09 57S–2.0 24W–2.0 10 6.5,6.4b
PTWC XII 20 03 39 38 56.80S 24.10W 6.2,6.4b
NEIC XII 20 03 39 39.9 56.70S 24.09W 16 5.9,6.4b
GCMT XII 20 03 39 40.1–.10 56.87S 23.68W 12 6.0W,6.4b
ISC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=8.3km az=49.0.
MOS Error ellipse: s-maj=15.4km s-min=9.1km az=98.5.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.6km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.04 $M_{\theta\theta}$2.38 $M_{\phi\phi}$7.41 $M_{r\theta}$-0.06 $M_{\theta\phi}$-3.00 $M_{\phi r}$2.27 NP1:ϕ_s176.18000°,δ55.53000°,λ-73.83000°. NP2:ϕ_s329.06000°,δ37.65000°,λ-112.07000°. Principal axes: T 8.6165,Plg9.0000°,Azm255.0000°; N -3.0905,Plg13.0000°,Azm347.0000°; P -5.5260,Plg74.0000°,Azm131.0000° M_o7.56000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s329.00000°,δ34.00000°,λ-97.00000°. NP2:ϕ_s158.00000°,δ57.00000°,λ-85.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.35 $M_{\theta\theta}$0.21 $M_{\phi\phi}$1.14 $M_{r\theta}$-0.88 $M_{\theta\phi}$-0.45 $M_{\phi r}$0.73 NP1: ϕ_s140.86935°,δ65.54483°,λ-103.86725°. NP2:ϕ_s351.67815°,δ27.90143°,λ-62.21045°. Principal axes: T 1.6783,Plg19.4011°,Azm241.2203°; N 0.1491,Plg12.6016°,Azm146.7047°; P -1.8274,Plg66.5831°,Azm25.6276° M_o1.75759×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PTWC SOUTH SANDWICH ISLANDS REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.78 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$0.97 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.41 $M_{\phi r}$-0.17 NP1:ϕ_s180.69000°,δ41.05000°,λ-62.31000°. NP2:ϕ_s325.86000°,δ54.44000°,λ-112.03000°. Principal axes: T 1.1294,Plg7.0000°,Azm71.0000°; N -0.2627,Plg18.0000°,Azm339.0000°; P -0.8666,Plg71.0000°,Azm182.0000° M_o1.02000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112200339A. Moment Tensor Solution. s145,c305; s161,c605;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.93±.01 $M_{\theta\theta}$-0.06±.01; $M_{\phi\phi}$0.98±.01; $M_{r\theta}$-0.00±.02; $M_{\theta\phi}$-0.43±.00; $M_{\phi r}$0.13±.01; Best double couple: NP1:ϕ_s337.00000°,δ42.00000°,λ-95.00000°. NP2:ϕ_s163.00000°,δ48.00000°,λ-86.00000°. Principal axes: T 1.1490,Plg3.0000°,Azm250.0000°; N -0.2060,Plg3.0000°,Azm341.0000°; P -0.9420,Plg85.0000°,Azm113.0000° M_o1.04600×10^{18}
ISC XII 21 08 29 57.6–1.4 57.2S–.20 25.7W–.40 35 4.3b 8 15-152
IDC XII 21 08 29 52.4–1.4 57.23S 25.69W 0 4.2b,4.2 **¶621685671**
ISC Event type se.
IDC Error ellipse: s-maj=70.2km s-min=27.7km az=71.0.
ISC XII 21 04 23 18.8–.55 59.05S–.08 25.55W–.09 46–4 4.9b,3.9s 153 8-158
IDC XII 21 04 23 12.1–.48 58.95S 25.46W 0 4.5b,4.5 **¶621883731**
NEIC XII 21 04 23 18.5–1.2 59.2S–.10 25.7W–.20 44–3 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 08 54 25.6–.39 57.03S–.08 23.46W–.08 10 4.8b,3.7s 80 8-153
IDC XII 21 08 54 24.4–.52 57.02S 23.31W 0 4.5L,4.5b **¶621635087**

NEIC XII 21 08 54 26.1–1.2 57.0S–.10 23.5W–.20 10–1 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 05 51 51.9–.27 57.82S–.04 25.47W–.04 36–1 5.7b,5.6s 944 7-175
GFZ XII 22 05 51 48.8 57.77S 25.48W 34 5.8W,5.6s **¶621883738**
NEIC XII 22 05 51 51.6–1.7 57.78S–.08 25.3W–.10 35–1 5.9b,5.6
ISC-P XII 22 05 51 51 57.78S 25.34W 14–0 6.1,5.6
NEIC XII 22 05 51 51.5 57.81S 25.29W 35 6.1,5.6
IPGP XII 22 05 51 51.0 57.78S 25.26W 38 5.9W,5.6
GFZ XII 22 05 51 52.0–1.1 58S–3.0 26W–2.0 34–8 6.1b,5.8
NEIC XII 22 05 51 52.8 57.61S 24.92W 40 5.9,5.8
MOS XII 22 05 51 52.1–.96 57.86S 25.60W 48 6.1b,5.5s
IDC XII 22 05 51 52.2–1.3 57.74S 25.33W 40–10 5.6L,5.6
GCMT XII 22 05 51 55.4–.10 57.84S–.01 24.91W–.01 39–0 5.9W,5.6
PTWC XII 22 05 51 56 57.70S 25.20W 84 5.9,5.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.61 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-5.38 $M_{r\theta}$0.05 $M_{\theta\phi}$1.63 $M_{\phi r}$1.94 NP1: ϕ_s157.83738°,δ36.34655°,λ80.45308°. NP2:ϕ_s349.63179°,δ54.23520°,λ96.95799°. Principal axes: T 5.9613,Plg79.3617°,Azm287.2780°; N 0.1892,Plg5.6411°,Azm165.5519° ; P -6.1505,Plg8.9900°,Azm74.6565° M_o6.05811×10^{17}
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=12.4km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC-P Moment Tensor Solution. s29 Moment tensor: Scale 10^{18}Nm; M_{rr}0.77±.12 $M_{\theta\theta}$-0.27±.17; $M_{\phi\phi}$-0.47±.17; $M_{r\theta}$0.10±.10; $M_{\theta\phi}$0.08±.26; $M_{\phi r}$0.20±.13; NP1:ϕ_s140.40000°,δ45.00000° ,λ78.60000°. NP2:ϕ_s336.40000°,δ46.20000°,λ101.20000°. M_o1.82000×10^{18}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s164.00000°,δ38.00000°,λ89.00000°. NP2:ϕ_s346.00000° ,δ52.00000°,λ91.00000°.
GFZ Error ellipse: s-maj=6.2km s-min=4.3km az=36.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}6.87 $M_{\theta\theta}$0.66 $M_{\phi\phi}$-7.53 $M_{r\theta}$0.08 $M_{\theta\phi}$1.65 $M_{\phi r}$1.63 NP1:ϕ_s165.26000°,δ39.04000° ,λ84.34000°. NP2:ϕ_s352.54000°,δ51.18000°,λ94.57000°. Principal axes: T 7.0596,Plg83.0000°,Azm290.0000°; N 0.9559,Plg4.0000°,Azm170.0000° ; P -8.0155,Plg6.0000°,Azm79.0000° M_o7.58000×10^{17}
MOS Error ellipse: s-maj=21.0km s-min=11.2km az=109.5.
IDC Error ellipse: s-maj=14.5km s-min=12.4km az=67.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112220551A. Moment Tensor Solution. s153,c320; s154,c483;Duration: 2s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.72±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.75±.00; $M_{r\theta}$-0.02±.01; $M_{\theta\phi}$0.16±.00; $M_{\phi r}$0.24±.01; Best double couple: NP1:ϕ_s167.00000°,δ36.00000°,λ86.00000°. NP2:ϕ_s351.00000°,δ54.00000°,λ93.00000°. Principal axes: T 0.7600,Plg81.0000°,Azm274.0000°; N 0.0640,Plg2.0000°,Azm170.0000° ; P -0.8230,Plg9.0000°,Azm79.0000° M_o0.79200×10^{18}
PTWC SOUTH SANDWICH ISLANDS REGION.
ISC XII 21 19 16 22.6–.73 56.0S–.10 27.7W–.10 112 4.2b 22 5-151
IDC XII 21 19 16 08.8–1.2 55.72S 27.05W 0 4.3L,4.2b **¶621685700**
NEIC XII 21 19 16 22.4–1.2 56.0S–.20 27.5W–.20 104–7 4.2b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 22 47 11.0–.76 59.2S–.10 24.9W–.20 18 4.2b 13 13-153
IDC XII 21 22 47 08.8–.96 59.07S 24.98W 0 4.8L,4.2 **¶621685713**
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=22.0km az=56.0.
ISC XII 23 03 02 42.1–.65 57.3S–.10 25.8W–.10 35 4.4b 45 7-153
IDC XII 23 03 02 36.7–.77 57.26S 25.39W 0 4.4b,4.4 **¶621686801**
NEIC XII 23 03 02 42.6–1.6 57.4S–.10 25.8W–.20 35–2 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 02 35 25.1–.55 59.63S–.09 23.8W–.10 10 4.5b,3.3s 51 13-154
IDC XII 22 02 35 23.8–.87 59.55S 23.99W 0 4.6L,4.1b **¶621686736**
NEIC XII 22 02 35 25.4–.71 59.7S–.10 23.9W–.10 10–1 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 03 07 07.9–.71 59.5S–.10 25.6W–.10 32 4.6b 47 10-153
IDC XII 22 03 07 03.6–1.1 59.38S 25.91W 0 5.1L,4.2 **¶621653323**
NEIC XII 22 03 07 08.8–1.2 59.5S–.20 25.6W–.20 35–2 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 21 49 21.6–1.4 58.0S–.20 25.6W–.30 49 8 15-152
IDC XII 22 21 49 14.3–1.4 57.74S 25.30W 0 3.8b,3.8 **¶621686790**
ISC Event type se.
IDC Error ellipse: s-maj=55.1km s-min=38.1km az=58.0.
ISC XII 22 13 49 51.9–.37 57.79S–.05 25.43W–.05 33–1 5.3b,4.3s 435 7-164
GFZ XII 22 13 49 50.5–.37 58S–4.0 26W–3.0 15–2 5.9b,5.5 **¶621644243**
MOS XII 22 13 49 51.2–1.2 57.77S 25.57W 33 5.1b,5.5
NEIC XII 22 13 49 52.4–1.1 57.76S–.02 25.5W–.20 35–1 5.3b,5.5
IDC XII 22 13 49 53.5–1.5 57.68S 25.25W 41–11 5.1L,5.1
GCMT XII 22 13 49 55.0–.20 57.85S–.02 24.77W–.02 38–0 5.1W,5.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112221349A. Moment Tensor Solution. s96,c141; s107,c163;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.10±.15 $M_{\theta\theta}$0.68±.12; $M_{\phi\phi}$-5.78±.10; $M_{r\theta}$0.83±.13; $M_{\theta\phi}$0.53±.07; $M_{\phi r}$2.41±.10; Best double couple: NP1: ϕ_s163.00000°,δ35.00000°,λ71.00000°. NP2:ϕ_s6.00000°,δ58.00000°,λ103.00000°. Principal axes: T 5.7770,Plg74.0000°,Azm310.0000°; N 0.5310,Plg11.0000°,Azm179.0000° ; P -6.3070,Plg12.0000°,Azm87.0000° M_o6.04200×10^{16}
ISC XII 22 14 08 16.3–.62 60.3S–.10 24.3W–.10 10 4.3b 34 9-154
IDC XII 22 14 08 15.3–1.3 60.21S 24.16W 0 4.2b,4.2 **¶621653340**
NEIC XII 22 14 08 16.4–1.7 60.37S–.05 24.3W–.20 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 23 17 57 41.5–1.3 57.7S–.20 24.8W–.40 15 4.0b 7 33-152
IDC XII 23 17 57 39.8–1.2 57.74S 25.12W 0 4.0b,4.0 **¶621686838**
ISC Event type se.
IDC Error ellipse: s-maj=65.9km s-min=27.7km az=73.0.
ISC XII 23 05 54 17.0–.85 60.2S–.10 24.7W–.20 10 4.3b,3.2s 27 14-154
IDC XII 23 05 54 15.9–1.2 60.05S 24.65W 0 4.8L,4.0 **¶621686807**
NEIC XII 23 05 54 17.2–1.1 60.3S–.20 24.7W–.20 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 25 05 23 41.8–.57 58.23S–.09 25.1W–.10 40 4.3b,3.7s 33 7-152
IDC XII 25 05 23 36.7–.87 58.13S 25.05W 0 4.5L,4.2b **¶621700137**
NEIC XII 25 05 23 41.2–1.8 58.2S–.10 25.0W–.20 35–7 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 23 14 11 08.6–.47 59.55S–.08 23.80W–.09 10 4.6b,3.5s 49 9-154
IDC XII 23 14 11 07.7–.69 59.40S 23.87W 0 4.6L,4.2b **¶621686829**
NEIC XII 23 14 11 08.6–2.3 59.6S–.10 23.9W–.20 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 24 21 39 23.8–.41 57.95S–.08 23.00W–.08 10 4.8b,4.0s 77 8-153
IDC XII 24 21 39 22.9–.66 57.82S 22.80W 0 5.6L,4.3b **¶621653112**
NEIC XII 24 21 39 23.8–1.8 58.1S–.10 23.1W–.20 10–1 4.9b,4.3b
GCMT XII 24 21 39 29.1–.30 58.15S–.02 22.69W–.03 16–1 4.9W,4.3b

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112242139A. Moment Tensor Solution. s10,c12; s83,c112; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.10 $M_{\theta\theta}$-2.13±.12; $M_{\phi\phi}$2.10±.11; $M_{r\theta}$-0.98±.30; $M_{\theta\phi}$-1.09±.08; $M_{\phi r}$0.74±.30; Best double couple: NP1:ϕ_s32.00000°,δ63.00000° ,λ2.00000°. NP2:ϕ_s301.00000°,δ88.00000°,λ153.00000°. Principal axes: T 2.7180,Plg20.0000°,Azm253.0000°; N -0.0730,Plg63.0000°,Azm117.0000° ; P -2.6360,Plg17.0000°,Azm350.0000° M_o2.67700×10^{16}
ISC XII 26 16 46 10.1–1.0 56.9S–.10 25.4W–.10 10 4.4b 21 7-151
IDC XII 26 16 46 08.4–1.3 56.80S 25.01W 0 4.5b,4.5 **¶621700232**
NEIC XII 26 16 46 10.6–.37 56.9S–.10 25.3W–.20 10–1 4.5b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 25 18 26 30.1–.39 57.03S–.08 25.15W–.08 22 4.9b,3.9s 117 7-152
IDC XII 25 18 26 27.5–.60 57.00S 25.11W 0 4.6b,4.6 **¶621653470**
NEIC XII 25 18 26 28.5–1.2 57.1S–.10 25.1W–.10 10–1 4.9b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 26 23 49 47.3–.77 56.0S–.10 26.7W–.10 35 4.5b 39 6-150
IDC XII 26 23 49 41.8–1.4 55.80S 26.52W 0 4.6L,4.3 **¶621700270**
NEIC XII 26 23 49 51.4–1.3 56.1S–.10 26.9W–.30 72–6 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 26 17 59 33.4–.32 58.74S–.06 26.64W–.06 100 5.0b 216 7-153
GFZ XII 26 17 59 24.2–.28 58S–5.0 26W–6.0 10 5.8b,5.3 **¶621883766**
NEIC XII 26 17 59 36.2–1.4 58.84S–.10 26.6W–.20 124–5 5.0b,5.3
IDC XII 26 17 59 38.0–1.3 58.79S 26.48W 138–10 4.9,4.5b
GCMT XII 26 17 59 38.2–.40 59.10S–.03 26.11W–.05 148–5 5.0W,4.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112261759A. Moment Tensor Solution. s12,c13; s71,c87; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.00±.23 $M_{\theta\theta}$-1.99±.30; $M_{\phi\phi}$1.99±.26; $M_{r\theta}$2.78±.17; $M_{\theta\phi}$2.84±.20; $M_{\phi r}$0.67±.16; Best double couple: NP1:ϕ_s343.00000°,δ51.00000° ,λ-179.00000°. NP2:ϕ_s253.00000°,δ89.00000°,λ-39.00000°. Principal axes: T 4.3960,Plg26.0000°,Azm305.0000°; N 0.1900,Plg51.0000°,Azm72.0000° ; P -4.5880,Plg27.0000°,Azm201.0000° M_o4.49200×10^{16}
ISC XII 27 11 58 34.9–.58 59.34S–.10 25.57W–.09 32 4.6b 61 8-153
IDC XII 27 11 58 30.3–.83 59.13S 25.44W 0 5.5L,4.4s **¶621717311**
NEIC XII 27 11 58 33.7–1.4 59.4S–.10 25.5W–.20 21–6 4.7b,4.4s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 01 36 39.0–.76 58.9S–.10 25.3W–.10 35 4.4b 32 8-153
IDC XII 28 01 36 33.5–1.3 58.76S 26.11W 0 4.3L,4.0b **¶621717354**
NEIC XII 28 01 36 39.5–1.4 58.90S–.07 25.3W–.20 35–2 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 27 16 06 51.0–.58 57.9S–.10 25.6W–.10 49 4.3b 33 7-152
IDC XII 27 16 06 43.8–.84 57.85S 25.20W 0 4.1b,4.0 **¶621717326**
NEIC XII 27 16 06 49.9–1.1 58.0S–.10 25.5W–.20 35–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 18 46 25.9–.52 57.67S–.09 25.63W–.09 43 4.5b,3.5s 60 7-155
IDC XII 28 18 46 20.9–.76 57.61S 25.15W 0 4.3b,4.3 **¶621717409**
NEIC XII 28 18 46 23.1–1.5 57.63S–.07 25.4W–.20 22–4 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 12 33 32.4–.66 56.0S–.10 26.7W–.10 35 4.6b 41 6-152
IDC XII 30 12 33 27.1–.83 55.89S 26.20W 0 4.5b,4.4 **¶621726007**
NEIC XII 30 12 33 41.8–1.2 56.28S–.08 27.2W–.20 106–6 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 04 58 16.9–.31 55.87S–.04 28.23W–.04 56–2 5.8b,5.4s 882 5-176
NEIC XII 30 04 58 15.3 55.89S 28.14W 36 5.8b,5.4s **¶621883793**
NEIC XII 30 04 58 15.3 55.89S 28.14W 36 5.8b,5.4s
BJI XII 30 04 58 15.4 55.90S 28.20W 43 5.8b,5.7s
NEIC XII 30 04 58 15.9–1.8 55.89S–.09 28.1W–.10 41–1 5.9b,5.8
GFZ XII 30 04 58 16.3–.13 56S–2.0 28W–2.0 40–1 6.3b,6.2
GFZ XII 30 04 58 16.3 55.89S 28.15W 43 5.7W,6.2
GCMT XII 30 04 58 18.8–.10 55.87S–.01 27.78W–.01 44–1 5.8W,6.2
PTWC XII 30 04 58 18 55.80S 28.10W 56 5.8,6.2
NEIC XII 30 04 58 19.9 55.29S 27.96W 40 5.7,6.2
MOS XII 30 04 58 19.1–1.1 56.04S 28.59W 76 6.1b,5.1s
IDC XII 30 04 58 20.3–1.0 55.88S 28.14W 84–7 5.5,5.2s
ISC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=13.4km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$2.01 $M_{\phi\phi}$-2.36 $M_{r\theta}$-2.67 $M_{\theta\phi}$1.21 $M_{\phi r}$-4.14 NP1:ϕ_s303.84000°,δ26.98000°,λ3.94000°. NP2:ϕ_s210.32000°,δ88.21000° ,λ116.93000°. Principal axes: T 5.6450,Plg41.0000°,Azm145.0000°; N -0.2273,Plg27.0000° ,Azm29.0000°; P -5.4177,Plg37.0000°,Azm277.0000° M_o5.53000×10^{17}
GFZ Error ellipse: s-maj=5.6km s-min=3.6km az=26.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03 $M_{\theta\theta}$1.66 $M_{\phi\phi}$-1.63 $M_{r\theta}$-1.79 $M_{\theta\phi}$1.32 $M_{\phi r}$-4.27 NP1: ϕ_s203.94309°,δ89.92026°,λ114.48641°. NP2:ϕ_s294.11818°,δ24.48654°,λ0.19239°. Principal axes: T 4.9943,Plg40.1277°,Azm136.4817°; N 0.1860,Plg24.4864°,Azm23.9068° ; P -5.1803,Plg39.9803°,Azm271.4558° M_o5.08987×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112300458A. Moment Tensor Solution. s111,c162; s148,c305;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.63±.11 $M_{\theta\theta}$2.13±.09; $M_{\phi\phi}$-1.50±.07; $M_{r\theta}$-3.10±.13; $M_{\theta\phi}$1.92±.06; $M_{\phi r}$-4.77±.17; Best double couple: NP1: ϕ_s292.00000°,δ24.00000°,λ-10.00000°. NP2:ϕ_s31.00000°,δ86.00000°,λ-113.00000°. Principal axes: T 6.6140,Plg37.0000°,Azm141.0000°; N -0.6910,Plg23.0000°,Azm33.0000° ; P -5.9220,Plg44.0000°,Azm278.0000° M_o6.26800×10^{17}
PTWC SOUTH SANDWICH ISLANDS REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26 $M_{\theta\theta}$2.27 $M_{\phi\phi}$-2.01 $M_{r\theta}$-1.09 $M_{\theta\phi}$1.62 $M_{\phi r}$-4.02 NP1:ϕ_s291.05000°,δ33.08000° ,λ-2.73000°. NP2:ϕ_s23.34000°,δ88.51000°,λ-123.05000°. Principal axes: T 4.5381,Plg35.0000°,Azm141.0000°; N 0.7547,Plg33.0000°,Azm24.0000° ; P -5.2928,Plg38.0000°,Azm264.0000° M_o4.96000×10^{17}
MOS Error ellipse: s-maj=19.9km s-min=11.7km az=110.0.
IDC Error ellipse: s-maj=15.2km s-min=9.7km az=60.0.
ISC XII 30 14 11 58.3–.55 59.4S–.10 25.8W–.10 40 4.6b 44 8-153
IDC XII 30 14 11 53.3–.88 59.35S 25.82W 0 4.9L,4.3 **¶621726012**
NEIC XII 30 14 11 58.0–1.4 59.5S–.10 25.7W–.20 38–2 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(154) South Shetland Islands.

GUC VII 10 12 45 48.1–.33 62.18S 58.30W 11–1 3.6L
¶624631992
GUC Event type se. Error ellipse: s-maj=1.2km s-min=6.3km az=-1.0. Presumed earthquake.

GUC VII 14 04 46 29.8–.33 62.27S 58.26W 3–4 3.5L
¶624632071
GUC Event type se. Error ellipse: s-maj=5.0km s-min=6.5km az=-1.0. Presumed earthquake.
GUC VII 28 17 47 36.6–.53 62.22S 58.29W 8–3 3.7L
¶624632297
GUC Event type se. Error ellipse: s-maj=1.0km s-min=4.5km az=-1.0. Presumed earthquake.
ISC VIII 28 23 08 53.6–.38 62.33S–.04 58.42W–.05 10 4.7b,3.8s 80 0-163
NEIC VIII 28 23 08 52.6–2.2 62.33S–.05 58.3W–.10 3–4 4.9b,3.8s **¶621009884**
IDC VIII 28 23 08 53.3–.59 62.20S 58.06W 0 4.1b,4.1
GUC VIII 28 23 08 54.9–.81 62.32S 58.48W 20 4.3L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=3.5km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.9km s-min=14.7km az=92.0.
GUC Event type se. Error ellipse: s-maj=5.1km s-min=8.1km az=-1.0. Presumed earthquake.
ISC IX 12 05 16 49.1–.48 62.16S–.06 57.90W–.09 10 4.1b,3.7s 40 1-154
IDC IX 12 05 16 47.9–.65 62.17S 57.69W 0 4.0b,3.9 **¶621075953**
NEIC IX 12 05 16 48.8–1.5 62.22S–.08 57.8W–.20 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC IX 12 11 57 29.3–.55 62.43S 58.41W 4 3.5L
¶624897202
GUC Event type se. Error ellipse: s-maj=3.0km s-min=4.1km az=-1.0. Presumed earthquake.
ISC IX 12 03 58 21.1–.37 62.30S–.05 57.91W–.07 10 4.5b,4.0s 105 1-158
IDC IX 12 03 58 19.7–.55 62.28S 57.63W 0 4.2L,4.1b **¶621070430**
NEIC IX 12 03 58 21.4–2.4 62.36S–.06 58.0W–.10 10–1 4.8b,4.1b
GFZ IX 12 03 58 22.8–.19 62S–3.0 58W–5.0 10 5.7b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(732) East of South Sandwich Islands.

ISC VIII 16 21 57 07.6–1.2 58.3S–.10 22.0W–.40 10 12 14-154
IDC VIII 16 21 57 05.8–1.2 58.18S 22.57W 0 4.3L,4.0 **¶621030210**
ISC Event type se.
IDC Error ellipse: s-maj=76.8km s-min=23.8km az=92.0.
ISC VIII 16 04 03 02.9–1.4 58.8S–.20 20.7W–.50 10 6 15-155
IDC VIII 16 04 02 57.8–1.3 58.46S 24.30W 0 4.0b,4.0 **¶621030131**
ISC Event type se.
IDC Error ellipse: s-maj=74.9km s-min=24.1km az=94.0.
ISC VIII 20 12 22 09.2–1.4 58.7S–.20 21.5W–.30 10 6 15-154
IDC VIII 20 12 22 07.7–1.3 58.49S 21.80W 0 4.5L,4.2 **¶621041279**
ISC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=24.1km az=94.0.
ISC X 26 05 48 42.3–.20 58.43S–.05 14.82W–.04 10 5.6b,5.5s 551 13-173
IDC X 26 05 48 41.0–.36 58.28S 14.76W 0 5.9L,5.4s **¶621239338**
MOS X 26 05 48 41.8–1.3 58.45S 14.91W 14 5.6b,5.3s
IPGP X 26 05 48 42.0 58.34S 14.81W 12 6.0W,5.3s
NEIC X 26 05 48 42.6 58.36S 14.87W 10 6.0W,5.3s
NEIC X 26 05 48 42.3–1.1 58.34S–.10 14.8W–.20 10–1 5.8,5.7b
NEIC X 26 05 48 42.6 58.36S 14.87W 10 5.8,5.7b
PTWC X 26 05 48 43 58.40S 14.80W 10 5.8,5.7b
GFZ X 26 05 48 43.1–.18 58S–3.0 15W–3.0 10 6.1b,5.8
GFZ X 26 05 48 43.6 58.47S 14.82W 12 5.9W,5.8
NEIC X 26 05 48 46 58.46S 15.06W 18 5.9,5.8
GCMT X 26 05 48 46.7–.10 58.47S 14.45W 12 5.9W,5.8
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=11.5km az=51.0.
MOS Error ellipse: s-maj=17.0km s-min=11.1km az=99.1.
IPGP Moment Tensor Solution. NP1:ϕ_s172.00000°,δ83.00000°,λ167.00000°. NP2:ϕ_s263.00000°,δ77.00000°,λ7.00000°.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=14.8km az=214.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.99 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$1.98 $M_{r\theta}$2.41 $M_{\theta\phi}$6.13 $M_{\phi r}$2.82 NP1:ϕ_s350.87000°,δ73.10000°,λ165.84000°. NP2:ϕ_s85.07000°,δ76.46000°,λ17.40000°. Principal axes: T 8.2859,Plg22.0000°,Azm308.0000°; N -2.4653,Plg68.0000°,Azm122.0000°; P -5.8206,Plg2.0000°,Azm218.0000° $M_0$7.37000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.06 $M_{\theta\theta}$-3.36 $M_{\phi\phi}$2.31 $M_{r\theta}$1.27 $M_{\theta\phi}$7.99 $M_{\phi r}$0.25 NP1:ϕ_s350.14829°,δ81.00550°,λ178.15969°. NP2:ϕ_s80.43610°,δ88.18233°,λ8.99906°. Principal axes: T 8.0711,Plg7.6417°,Azm305.6339°; N 1.0101,Plg80.8207°,Azm91.7618°; P -9.0812,Plg5.0555°,Azm214.9539° $M_0$8.62063×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.45 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.29 $M_{r\theta}$-2.02 $M_{\theta\phi}$7.30 $M_{\phi r}$2.27 NP1:ϕ_s88.64000°,δ75.80000°,λ-12.32000°. NP2:ϕ_s181.71000°,δ78.06000°,λ-165.48000°. Principal axes: T 7.0762,Plg2.0000°,Azm315.0000°; N 1.4703,Plg71.0000°,Azm220.0000°; P -8.5465,Plg19.0000°,Azm45.0000° $M_0$7.91000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110260548A. Moment Tensor Solution. s154,c292; s164,c536;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66±.05 $M_{\theta\theta}$-1.97±.05; $M_{\phi\phi}$2.63±.05; $M_{r\theta}$-0.33±.12; $M_{\theta\phi}$7.88±.04; $M_{\phi r}$0.53±.13; Best double couple: NP1:ϕ_s82.00000°,δ86.00000°,λ-2.00000°. NP2:ϕ_s172.00000°,δ88.00000°,λ-176.00000°. Principal axes: T 8.5440,Plg1.0000°,Azm307.0000°; N -0.6220,Plg85.0000°,Azm200.0000°; P -7.9250,Plg5.0000°,Azm37.0000° $M_0$8.23500×10^{17}
ISC VIII 21 16 18 19.4–.99 60.9S–.10 20.2W–.30 10 3.9b 13 11-147
IDC VIII 21 16 18 18.3–1.1 60.85S 20.90W 0 4.8L,3.9b **¶621008703**
ISC Event type se.
IDC Error ellipse: s-maj=47.0km s-min=21.9km az=73.0.
ISC VIII 25 19 09 57.7–1.4 59.8S–.20 20.3W–.50 10 6 14-155
IDC VIII 25 19 09 52.3–1.2 59.36S 24.39W 0 4.4L,4.1 **¶621058954**
ISC Event type se.
IDC Error ellipse: s-maj=64.9km s-min=23.2km az=89.0.

SEISMIC REGION 11.
New Zealand Region.

(158) Off west coast of North Island.

WEL VIII 20 10 35 58.2–.88 37S–3.0 174E–6.0 31–11 2.6,2.6
¶626188974
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

(159) North Island.

WEL VII 01 01 03 10.5–.38 40S–2.0 176E–2.0 21–3 3.6L,3.5
¶626186013
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 02 09 14 31.8–.36 37.65S–.04 176.48E–.04 238–2 5.0b 516 0-162
NOU VII 02 09 14 30.5 37.71S 176.54E 230 5.0b **¶620705782**
GFZ VII 02 09 14 31.7–.54 38S–5.0 176E–8.0 221–2 5.0b,5.0
WEL VII 02 09 14 32.5 37.54S 176.58E 220 4.7L,4.6W
WEL VII 02 09 14 32.7–.65 38S–6.0 177E–5.0 210–4 4.3,4.3
NEIC VII 02 09 14 32.1–1.4 37.70S–.06 176.44E–.08 230–4 5.0b,4.3
IDC VII 02 09 14 38.7–1.8 37.37S 176.50E 303–16 5.0,4.4b
ISC Event type se.
NOU North Island, New Zealand.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
WEL Stations used: BKZ GRZ HAZ HIZ KNZ MWZ MXZ OPRZ OTVZ PUZ PXZ RATZ. OBLIQUE FAULTING. Moment Tensor Solution. s21 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.48 $M_{\theta\theta}$0.15 $M_{\phi\phi}$0.33 $M_{r\theta}$0.06 $M_{\theta\phi}$0.52 $M_{\phi r}$-0.92 NP1:ϕ_s6.00000°,δ76.00000°,λ-117.00000°. NP2:ϕ_s251.00000°,δ30.00000°,λ-28.00000°. Principal axes: T 1.1089,Plg26.0000°,Azm117.0000°; N 0.0631,Plg26.0000°,Azm13.0000°; P -1.1720,Plg51.0000°,Azm245.0000° $M_0$1.14000×10^{16}
WEL Event type se. Error ellipse: s-maj=8.7km s-min=5.5km az=34.0. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.6km az=54.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.7km s-min=10.0km az=67.0.
WEL VII 16 15 20 54.1–.59 39S–3.0 175E–3.0 13–6 3.6,3.6
¶626186814
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 28 15 04 28.7–1.3 38.67S–.03 177.02E–.03 57–6 120 0-3
WEL VII 28 15 04 28.0–1.2 39S–4.0 177E–5.0 49–9 3.5L,3.5 **¶620968000**
NOU VII 28 15 04 28.4 38.68S 177.12E 38 3.3,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=6.3km s-min=5.1km az=100.8.
smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU North Island, New Zealand.
ISC VIII 01 13 04 53.7–.33 38.34S–.03 175.86E–.04 186–2 5.0b 572 0-179
NOU VIII 01 13 04 52.5 38.41S 175.84E 169 4.9b **¶620925717**
NEIC VIII 01 13 04 53.3–1.5 38.33S–.06 175.88E–.08 175–4 5.1b
NEIC VIII 01 13 04 53.1 38.35S 175.83E 171 5.1b
GFZ VIII 01 13 04 53.5–.31 38S–3.0 176E–5.0 165–3 5.0b,5.0
WEL VIII 01 13 04 54.6 38.30S 175.97E 178 5.1L,5.0W
WEL VIII 01 13 04 54.6–.69 38S–5.0 176E–6.0 160–4 5.1,5.1
NEIC VIII 01 13 04 55.6 38.45S 175.96E 180 5.0,5.1
GCMT VIII 01 13 04 56.3–.20 38.33S–.01 175.87E–.02 178–2 5.2W,5.1
IDC VIII 01 13 05 00.3–1.0 38.13S 175.88E 244–8 5.0,4.5b
ISC Event type se.
NOU North Island, New Zealand.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.4km az=158.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
WEL Stations used: BFZ BKZ GRZ HAZ HIZ KHEZ KNZ KUZ MKAZ MRZ MWZ MXZ. REVERSE FAULTING. Moment Tensor Solution. s25 Moment tensor: Scale 10^{16}Nm; M_{rr}2.19 $M_{\theta\theta}$-1.25 $M_{\phi\phi}$-0.95 $M_{r\theta}$3.66 $M_{\theta\phi}$1.57 $M_{\phi r}$-0.79 NP1:ϕ_s108.00000°,δ75.00000°,λ74.00000°. NP2:ϕ_s336.00000°,δ22.00000°,λ136.00000°. Principal axes: T 4.5232,Plg57.0000°,Azm356.0000°; N -0.0785,Plg16.0000°,Azm112.0000°; P -4.4447,Plg28.0000°,Azm210.0000° $M_0$4.48000×10^{16}
WEL Event type se. Error ellipse: s-maj=8.6km s-min=6.7km az=116.5.
smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}1.37 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-0.55 $M_{r\theta}$4.02 $M_{\theta\phi}$0.66 $M_{\phi r}$-0.82 NP1:ϕ_s323.80000°,δ11.04000°,λ129.91000°. NP2:ϕ_s103.37000°,δ81.56000°,λ82.87000°. Principal axes: T 4.4523,Plg53.0000°,Azm5.0000°; N -0.2724,Plg7.0000°,Azm104.0000°; P -4.1798,Plg36.0000°,Azm200.0000° $M_0$4.32000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108011304A. Moment Tensor Solution. s54,c63; s108,c155; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.14±.16 $M_{\theta\theta}$0.33±.20; $M_{\phi\phi}$-2.47±.19; $M_{r\theta}$4.98±.13; $M_{\theta\phi}$3.54±.16; $M_{\phi r}$-1.04±.13; Best double couple: NP1:ϕ_s3.00000°,δ36.00000°,λ160.00000°. NP2:ϕ_s109.00000°,δ78.00000°,λ56.00000°. Principal axes: T 6.5690,Plg46.0000°,Azm345.0000°; N 0.0990,Plg33.0000°,Azm117.0000°; P -6.6670,Plg26.0000°,Azm225.0000° $M_0$6.61800×10^{16}
IDC Error ellipse: s-maj=10.3km s-min=8.7km az=71.0.
ISC VIII 04 02 07 05.2–1.1 40.39S–.03 176.84E–.04 17–7 124 0-7
NOU VIII 04 02 07 07.5 40.31S 176.71E 5 3.7 **¶621072472**
WEL VIII 04 02 07 07.5–.80 40S–4.0 177E–4.0 13–5 4.0L,3.8
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 01 14 51 29.2–.56 41S–3.0 176E–3.0 20–4 1.1L,1.1
¶626187643
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 10 08 01 34.1–1.2 37.06S–.07 176.79E–.06 200 56 1-149
IDC VIII 10 08 01 09.1–7.3 35.06S 176.48E 0 3.2b,3.2 **¶621008102**
WEL VIII 10 08 01 32.0–.94 37S–7.0 177E–6.0 217–8 3.0,3.0
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 09 20 18 12.3–.29 40S–2.0 175E–3.0 32–4 3.8L,3.6
¶626188179
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 09 20 35 35.4–.77 37.72S–.05 176.43E–.05 194–6 3.9b 173 0-150
IDC VIII 09 20 35 10.2–2.4 36.87S 177.24E 0 4.0b,4.0 **¶621007283**
NEIC VIII 09 20 35 35.2–1.4 37.86S–.09 176.49E–.08 186–5 4.3b,4.0
WEL VIII 09 20 35 37.0–1.1 38S–7.0 176E–5.0 169–10 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 13 19 27 20.3–.53 39S–4.0 176E–3.0 76–4 2.2,2.2
¶626574030
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL VIII 11 10 18 48.8–.99 40S–4.0 176E–4.0 10–5 0.9L,0.6
¶626188353
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 11 10 18 49.9–.76 39S–4.0 175E–4.0 22–6 1.7L,1.2
¶626188356
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 31 17 51 57.7–1.3 38.23S–.03 177.59E–.03 51–7 99 0-4
NOU VIII 31 17 51 53.5 38.23S 177.48E 78 3.6 **¶621012666**
WEL VIII 31 17 51 57.1 38.22S 177.59E 46 3.9W,3.7L
WEL VIII 31 17 51 57.2–.25 38S–2.0 178E–2.0 36–3 3.8L,3.7
ISC Event type se.
NOU North Island, New Zealand.
WEL Stations used: BKZ MWZ MXZ OPRZ RTZ TLZ URZ WIZ. STRIKE-SLIP FAULTING. Moment Tensor Solution. s8 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.80 $M_{\theta\theta}$7.97 $M_{\phi\phi}$-6.17 $M_{r\theta}$-4.54 $M_{\theta\phi}$0.83 $M_{\phi r}$0.60 NP1:ϕ_s311.00000°,δ86.00000°,λ26.00000°. NP2:ϕ_s219.00000°,δ64.00000°,λ175.00000°. Principal axes: T 9.7740,Plg21.0000°,Azm178.0000°; N -3.3230,Plg64.0000°,Azm320.0000°; P -6.4510,Plg15.0000°,Azm82.0000° $M_0$8.61000×10^{14}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 19 15 31 57.2–.92 39S–7.0 174E–6.0 199–6 3.5,3.5
¶626188884
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 23 09 41 22.6–1.7 39.55S–.05 174.26E–.05 221–10 168 0-8
NOU VIII 23 09 41 24.0 39.53S 174.36E 210 3.5 **¶621071698**
WEL VIII 23 09 41 25.9–.79 40S–5.0 174E–5.0 194–5 3.7,3.7
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 19 06 01 34.7–1.6 38.49S–.05 175.97E–.05 182–8 171 0-9
NOU VIII 19 06 01 37.7 38.48S 176.00E 154 4.0 **¶621071681**
WEL VIII 19 06 01 39.2–1.4 38S–9.0 176E–12 146–11 3.9,2.5L
ISC Event type se.
NOU North Island, New Zealand.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 20 10 35 05.8–1.2 38S–12 177E–12 166–8 1.7,1.7
¶626188973
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 02 06 19 17.3–1.6 38.32S–.04 175.96E–.04 178–8 164 0-10
NOU IX 02 06 19 20.2 38.33S 176.04E 153 3.6 **¶621309514**
WEL IX 02 06 19 21.0–.61 38S–4.0 176E–4.0 148–5 3.7,3.7
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 31 19 55 24.1–1.4 38.83S–.03 176.60E–.03 63–7 131 0-7
WEL VIII 31 19 55 25.4 38.77S 176.58E 36 3.6W,3.6L **¶621012668**
NOU VIII 31 19 55 25.2 38.79S 176.64E 36 3.0,3.6L
WEL VIII 31 19 55 25.4–.35 39S–3.0 177E–3.0 38–4 3.6,3.6
ISC Event type se.
WEL Stations used: BKZ HIZ KNZ MWZ NTVZ OPRZ RTZ TLZ TRVZ TSZ WHVZ. OBLIQUE FAULTING. Moment Tensor Solution. s11 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.16 $M_{\theta\theta}$2.58 $M_{\phi\phi}$-1.41 $M_{r\theta}$1.02 $M_{\theta\phi}$-0.19 $M_{\phi r}$-1.51 NP1:ϕ_s309.00000°,δ73.00000°,λ-47.00000°. NP2: ϕ_s56.00000°,δ46.00000°,λ-156.00000°. Principal axes: T 2.9190,Plg17.0000°,Azm9.0000° ; N -0.0570,Plg41.0000°,Azm114.0000°; P -2.8620,Plg44.0000°,Azm261.0000° $M_0$2.89000×10^{14}
NOU North Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 04 04 54 27.9–.56 39.98S–.02 176.64E–.03 47–4 4.8b,3.9s 357 0-179
GFZ IX 04 04 54 24.1–.19 40S–3.0 177E–3.0 10 4.8b,4.8 **¶621030586**
NEIC IX 04 04 54 24.7–2.3 39.96S–.04 176.65E–.08 17–2 4.9b,4.8
NOU IX 04 04 54 26.6 39.98S 176.68E 40 4.7,4.8
WEL IX 04 04 54 27.0–.41 40S–2.0 177E–3.0 36–4 4.9L,4.9
WEL IX 04 04 54 27.4 39.93S 176.57E 60 4.9L,4.7W
IDC IX 04 04 54 34.1–3.2 39.83S 176.42E 96–27 4.5,4.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.6km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU North Island, New Zealand.
WEL Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=106.3. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL Stations used: BFZ BKZ HIZ KHEZ KNZ MKAZ MRZ MWZ MXZ NNZ NTVZ OPRZ. OBLIQUE-NORMAL FAULTING. Moment Tensor Solution. s24 Moment tensor: Scale 10^{16} Nm; M_{rr}-0.92 $M_{\theta\theta}$0.80 $M_{\phi\phi}$0.12 $M_{r\theta}$0.71 $M_{\theta\phi}$0.82 $M_{\phi r}$-0.60 NP1:ϕ_s269.00000°,δ62.00000° ,λ-48.00000°. NP2:ϕ_s26.00000°,δ49.00000°,λ-142.00000°. Principal axes: T 1.3815,Plg8.0000°,Azm330.0000°; N 0.2327,Plg36.0000°,Azm66.0000° ; P -1.6142,Plg53.0000°,Azm230.0000° $M_0$1.51000×10^{16}
IDC Error ellipse: s-maj=22.0km s-min=12.9km az=47.0.
WEL IX 02 17 04 33.8–.62 38S–4.0 176E–6.0 5 1.1L,1.1
¶626465770
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 28 19 43 47.5–.98 41S–2.0 175E–4.0 19–7 1.3,1.3
¶626512654
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 21 17 29 12.3–.34 40S–2.0 176E–3.0 21–3 2.1,1.9L
¶626504622
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 21 17 29 36.4–1.4 39S–8.0 175E–3.0 9–12 2.2,2.2
¶626504625
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 24 02 37 38.7–.93 39S–5.0 176E–6.0 98–9 2.0,2.0
¶626507191
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 26 17 17 32.8–1.2 38.72S–.02 176.50E–.03 50 154 0-4
NOU IX 26 17 17 31.7 38.72S 176.54E 54 3.6 **¶621309663**
WEL IX 26 17 17 32.1–.44 39S–3.0 177E–3.0 51–5 3.8,3.8
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 06 03 34 31.0–1.1 37.90S–.06 176.53E–.05 195–7 4.1b 198 0-52
NOU X 06 03 34 17.5 37.29S 176.44E 312 3.9 **¶621256325**
NEIC X 06 03 34 32.7–1.1 37.82S–.09 176.2E–.10 164–4 4.2b
WEL X 06 03 34 35.5–.91 38S–6.0 177E–5.0 152–8 4.0,4.0
ISC Event type se.
NOU North Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 04 07 20 52.7–1.4 40S–14 176E–9.0 12–13 1.1L,0.4
¶626703072
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 14 19 29 31.8–1.8 38.34S–.06 175.80E–.06 226–10 149 0-8
NOU X 14 19 29 32.3 38.29S 175.79E 233 3.5 **¶621256366**
WEL X 14 19 29 37.6–.78 38S–5.0 176E–5.0 182–7 3.8,3.8
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 07 00 09 20.5–.52 39.27S–.04 174.69E–.04 221–4 4.5b 374 0-179
NOU X 07 00 09 19.0 39.32S 174.78E 217 4.9 **¶621126654**
NEIC X 07 00 09 20.3–1.7 39.23S–.06 174.68E–.08 216–5 4.5b
GFZ X 07 00 09 20.2–.24 39S–3.0 175E–4.0 208–2 6.1b,5.7
IDC X 07 00 09 20.8–1.4 39.07S 174.75E 224–14 4.6,4.1b
WEL X 07 00 09 22.4 39.20S 174.76E 212 4.7W,4.7L
WEL X 07 00 09 22.4–.84 39S–7.0 175E–6.0 200–6 4.7,4.0L
ISC Event type se.
NOU North Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL Stations used: BFZ BKZ GRZ HIZ KHEZ KUZ MKAZ MRZ MWZ NNZ NTVZ OTVZ. OBLIQUE-REVERSE FAULTING. Moment Tensor Solution. s20 Moment tensor: Scale 10^{16} Nm; M_{rr}0.26 $M_{\theta\theta}$0.55 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.84 $M_{\theta\phi}$-0.74 $M_{\phi r}$-0.33 NP1:ϕ_s63.00000°,δ67.00000° ,λ152.00000°. NP2:ϕ_s165.00000°,δ64.00000°,λ25.00000°. Principal axes: T 1.5159,Plg36.0000°,Azm23.0000°; N -0.3796,Plg54.0000°,Azm207.0000° ; P -1.1363,Plg2.0000°,Azm115.0000° $M_0$1.37000×10^{16}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 13 06 58 42.9–.66 37.88S–.04 176.83E–.04 174–5 4.0b 240 0-150
NEIC X 13 06 58 42.4–1.7 37.92S–.08 176.94E–.07 175–6 4.3b **¶621148207**
IDC X 13 06 58 43.5–.75 37.49S 176.84E 142–5 4.1,3.6b
NOU X 13 06 58 45.4 37.84S 176.83E 146 4.3,3.6b
WEL X 13 06 58 46.3 37.73S 176.84E 156 4.7L,4.5W
WEL X 13 06 58 46.3–.85 38S–9.0 177E–6.0 138–7 4.7,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU North Island, New Zealand.
WEL Stations used: BKZ HAZ HIZ KUZ MKAZ MWZ MXZ NTVZ OTVZ RATZ RTZ TOZ. REVERSE FAULTING. Moment Tensor Solution. s12 Moment tensor: Scale 10^{15}Nm; M_{rr}4.27 $M_{\theta\theta}$-3.53 $M_{\phi\phi}$-0.74 $M_{r\theta}$2.56 $M_{\theta\phi}$-0.20 $M_{\phi r}$5.23 NP1:ϕ_s39.00000°,δ75.00000° ,λ75.00000°. NP2:ϕ_s264.00000°,δ21.00000°,λ133.00000°. Principal axes: T 7.9396,Plg58.0000°,Azm290.0000°; N -2.4648,Plg14.0000°,Azm43.0000° ; P -5.4748,Plg28.0000°,Azm141.0000° $M_0$7.04000×10^{15}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 12 23 16 17.7–.98 40.35S–.03 176.41E–.03 31–5 124 0-3
NOU X 12 23 16 16.2 40.30S 176.54E 6 3.8 **¶621146546**
WEL X 12 23 16 17.3 40.30S 176.35E 15 3.9L,3.8W
WEL X 12 23 16 17.4–.23 40S–2.0 176E–2.0 22–1 4.0L,4.0
ISC Event type se.
NOU North Island, New Zealand.
WEL Stations used: BFZ MRZ PXZ TSZ. REVERSE FAULTING. Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}3.63 $M_{\theta\theta}$2.82 $M_{\phi\phi}$-6.45 $M_{r\theta}$-0.01 $M_{\theta\phi}$-1.30 $M_{\phi r}$-0.44 NP1: ϕ_s184.00000°,δ48.00000°,λ85.00000°. NP2:ϕ_s12.00000°,δ43.00000°,λ96.00000°. Principal axes: T 3.6520,Plg85.0000°,Azm39.0000°; N 2.9990,Plg4.0000°,Azm188.0000° ; P -6.6510,Plg2.0000°,Azm278.0000° $M_0$5.77000×10^{14}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 14 16 29 30.2–1.8 38S–19 176E–21 180–21 1.9,1.9
¶621240645
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 24 07 28 25.9–.67 37.14S–.06 176.77E–.07 322–5 3.8b 162 1-151
NOU X 24 07 28 21.7 37.05S 177.05E 364 3.7 **¶621256419**
IDC X 24 07 28 25.4–.62 37.14S 176.90E 312–5 4.4,3.7b
WEL X 24 07 28 31.2–1.5 37S–12 177E–10 273–14 4.0,3.7b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 21 21 58 20.0–.21 39.13S–.03 174.97E–.03 228–1 5.2b 1192 0-179
BJI X 21 21 58 17.1 39.35S 175.26E 226 5.4b,5.1b **¶621630066**
WEL X 21 21 58 19.8 39.04S 174.93E 216 5.6W,5.2L
GFZ X 21 21 58 19.5–.24 39S–3.0 175E–2.0 209–2 5.6b,5.4
GFZ X 21 21 58 19.5 39.02S 174.98E 221 5.5W,5.4
NOU X 21 21 58 19.0 39.23S 175.01E 210 5.2b,5.4
IDC X 21 21 58 19.4–.35 38.91S 174.97E 229–2 5.4,4.8b
MOS X 21 21 58 19.2–1.5 39.01S 175.01E 229 5.4b,4.8b
WEL X 21 21 58 19.8–.78 39S–12 175E–9.0 210–5 5.9,5.9
NEIC X 21 21 58 20.7 38.99S 174.84E 230 5.6,5.9
NEIC X 21 21 58 20.5–1.6 39.02S–.09 175.0E–.10 224–4 5.5,5.3b
NEIC X 21 21 58 20.5 39.01S 174.96E 225 5.5,5.3b
NEIC X 21 21 58 20.5 38.99S 174.97E 226 5.5,5.3b
GCMT X 21 21 58 21.5–.10 39.06S–.01 175.00E–.01 222–0 5.6W,5.3b
ISC Event type se.
WEL Stations used: BFZ BKZ GRZ HIZ KHEZ KNZ KUZ MKAZ MRZ MWZ MXZ NNZ. REVERSE FAULTING. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-2.03 $M_{r\theta}$1.27 $M_{\theta\phi}$-0.90 $M_{\phi r}$-1.15 NP1:ϕ_s165.00000°,δ66.00000°,λ51.00000°. NP2: ϕ_s48.00000°,δ45.00000°,λ144.00000°. Principal axes: T 2.8241,Plg52.0000°,Azm28.0000° ; N -0.3528,Plg35.0000°,Azm183.0000°; P -2.4713,Plg12.0000°,Azm282.0000° $M_0$2.67000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.53 $M_{\theta\theta}$0.75 $M_{\phi\phi}$-2.27 $M_{r\theta}$0.81 $M_{\theta\phi}$-0.47 $M_{\phi r}$-0.97 NP1: ϕ_s160.76857°,δ64.24089°,λ55.27109°. NP2:ϕ_s38.68294°,δ42.25256°,λ139.73495°. Principal axes: T 2.2913,Plg56.1699°,Azm24.4185°; N 0.2391,Plg30.8694°,Azm177.5334° ; P -2.5304,Plg12.4796°,Azm275.1358° $M_0$2.41971×10^{17}
NOU North Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.44 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-2.58 $M_{r\theta}$1.83 $M_{\theta\phi}$-0.66 $M_{\phi r}$-0.88 NP1:ϕ_s43.18000°,δ50.80000° ,λ149.24000°. NP2:ϕ_s153.79000°,δ66.65000°,λ43.51000°. Principal axes: T 3.3329,Plg47.0000°,Azm15.0000°; N -0.5439,Plg42.0000°,Azm176.0000° ; P -2.7891,Plg10.0000°,Azm275.0000° $M_0$3.10000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-1.21 $M_{r\theta}$1.54 $M_{\theta\phi}$-0.60 $M_{\phi r}$-1.15 NP1:ϕ_s41.64000°,δ33.80000°,λ155.33000°. NP2:ϕ_s152.53000°,δ76.57000° ,λ58.69000°. Principal axes: T 2.6011,Plg49.0000°,Azm29.0000°; N -0.8865,Plg30.0000° ,Azm161.0000°; P -1.7146,Plg25.0000°,Azm266.0000° $M_0$2.29000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110212158A. Moment Tensor Solution. s144,c269; s162,c323;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.50±.03 $M_{\theta\theta}$0.91±.03; $M_{\phi\phi}$-2.41±.03; $M_{r\theta}$1.84±.03; $M_{\theta\phi}$-0.77±.03; $M_{\phi r}$-1.29±.03; Best double couple: NP1: ϕ_s44.00000°,δ45.00000°,λ151.00000°. NP2:ϕ_s156.00000°,δ70.00000°,λ49.00000°. Principal axes: T 3.4450,Plg48.0000°,Azm22.0000°; N -0.6310,Plg38.0000°,Azm172.0000° ; P -2.8120,Plg15.0000°,Azm274.0000° $M_0$3.12800×10^{17}
WEL XI 03 22 33 16.8–.78 38S–4.0 176E–5.0 134–7 3.6,3.6
¶635631571
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 31 09 49 50.9–.52 39.20S–.04 174.72E–.05 224–4 4.2b 257 0-163
NEIC X 31 09 49 50.9–1.9 39.14S–.06 174.68E–.09 218–7 4.2b **¶621244625**
IDC X 31 09 49 52.0–1.2 39.00S 174.87E 230–11 4.4,3.8b
WEL X 31 09 49 52.5 39.16S 174.73E 186 4.6L,4.4W
WEL X 31 09 49 52.5–.85 39S–6.0 175E–6.0 203–6 4.6,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Stations used: BFZ GRZ HAZ HIZ KHEZ KNZ KUZ MKAZ MRZ MWZ NTVZ OTVZ. OBLIQUE FAULTING. Moment Tensor Solution. s20 Moment tensor: Scale 10^{15}Nm; M_{rr}1.16 $M_{\theta\theta}$2.43 $M_{\phi\phi}$-3.59 $M_{r\theta}$1.39 $M_{\theta\phi}$-1.34 $M_{\phi r}$-2.57 NP1:ϕ_s153.00000°,δ81.00000° ,λ45.00000°. NP2:ϕ_s54.00000°,δ46.00000°,λ167.00000°. Principal axes: T 4.1967,Plg37.0000°,Azm24.0000°; N 0.5789,Plg44.0000°,Azm163.0000° ; P -4.7756,Plg22.0000°,Azm276.0000° $M_0$4.51000×10^{15}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 31 09 49 54.8–1.1 40S–4.0 176E–3.0 31–8 2.6L,1.1
¶635740720
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 07 22 32 59.0–1.4 39.45S–.03 176.37E–.04 88–8 157 0-9
NOU XI 07 22 32 58.9 39.48S 176.42E 88 3.4 **¶635635748**
WEL XI 07 22 33 01.6–.57 39S–3.0 176E–4.0 51–7 3.7,3.7
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 07 01 40 34.1–1.1 38S–11 176E–10 185–8 3.5,3.5
¶635635672
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 16 11 41 59.4–.91 39.20S–.05 174.79E–.05 232–6 183 0-151
IDC XII 16 11 41 58.1–.77 39.39S 175.03E 218–12 3.6,2.9b **¶621655774**
WEL XII 16 11 42 03.0–.85 39S–10 175E–8.0 203–6 3.6,3.6
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 12 19 48 36.8–.60 40S–3.0 176E–3.0 43–5 3.5L,3.4
¶631564883
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 12 00 43 27.9–1.5 38.78S–.04 175.81E–.04 130–7 155 0-5
NOU XI 12 00 43 30.5 38.74S 175.88E 104 3.3 **¶621822535**
WEL XI 12 00 43 31.2–.92 39S–7.0 176E–6.0 97–7 3.5,3.5
ISC Event type se.

NOU North Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 12 15 09 03.9–.85 40S–3.0 177E–6.0 14–6 2.2L,2.1
¶631564874
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 11 07 48 58.6–.60 38.62S–.03 176.13E–.03 124–4 4.1b 239 0-151
NOU XI 11 07 48 55.3 38.61S 176.17E 157 4.3 **¶621392767**
NEIC XI 11 07 48 58.8–.74 38.58S–.09 176.18E–.03 116–6 4.0b
IDC XI 11 07 48 58.9–.47 38.12S 176.55E 126–7 4.1,3.7b
WEL XI 11 07 49 00.1 38.56S 176.17E 100 4.2L,4.1W
ISC Event type se.
NOU North Island, New Zealand.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=2.8km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.5km s-min=21.7km az=44.0.
WEL Stations used: BKZ HAZ HIZ KNZ MKAZ MWZ NTVZ OTVZ PUZ PXZ RATZ TOZ. REVERSE FAULTING. Moment Tensor Solution. s15 Moment tensor: Scale 10^{15}Nm; M_{rr}0.91 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$-0.52 $M_{r\theta}$0.82 $M_{\theta\phi}$1.02 $M_{\phi r}$0.02 NP1:ϕ_s107.00000°,δ66.00000°,λ53.00000°. NP2:ϕ_s349.00000°,δ43.00000°,λ143.00000°. Principal axes: T 1.4408,Plg54.0000°,Azm332.0000°; N 0.1638,Plg33.0000°,Azm125.0000°; P -1.6047,Plg13.0000°,Azm223.0000° $M_0$1.53000×10^{15}
ISC XII 07 09 04 47.0–.61 38.34S–.04 175.99E–.04 180–5 4.4b 283 0-151
NOU XII 07 09 04 44.6 38.35S 176.04E 186 4.5 **¶621616413**
NEIC XII 07 09 04 46.7–1.9 38.33S–.06 176.07E–.06 169–5 4.3b
IDC XII 07 09 04 46.9–.62 38.06S 175.97E 160–9 4.4,3.9b
WEL XII 07 09 04 48.4 38.21S 176.03E 154 4.5W,4.5L
GFZ XII 07 09 04 48.2–.29 38S–3.0 176E–6.0 154–3 6.0,6.0
WEL XII 07 09 04 48.4–.80 38S–6.0 176E–5.0 158–6 4.5,3.3L
ISC Event type se.
NOU North Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Stations used: BFZ BKZ GRZ HAZ HIZ KHEZ KNZ KUZ MKAZ MRZ MWZ MXZ. OBLIQUE FAULTING. Moment Tensor Solution. s23 Moment tensor: Scale 10^{15}Nm; M_{rr}2.15 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$-1.19 $M_{r\theta}$5.80 $M_{\theta\phi}$3.57 $M_{\phi r}$-0.08 NP1:ϕ_s98.00000°,δ80.00000°,λ60.00000°. NP2:ϕ_s351.00000°,δ32.00000°,λ160.00000°. Principal axes: T 7.1775,Plg47.0000°,Azm337.0000°; N -0.2344,Plg29.0000°,Azm104.0000°; P -6.9431,Plg29.0000°,Azm212.0000° $M_0$7.06000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 17 22 56 48.6–.70 41S–3.0 177E–4.0 14–5 3.9L,3.5
¶631565099
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 21 08 04 11.2–.89 40S–4.0 177E–4.0 44–7 3.6,3.5L
¶631565242
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 19 07 55 06.0–.91 39.23S–.02 174.64E–.02 32–5 154 0-5
WEL XII 19 07 55 05.3 39.24S 174.64E 22 3.6L,3.4W **¶621633802**
WEL XII 19 07 55 05.3–.42 39S–4.0 175E–3.0 24–5 3.8L,3.6
NOU XII 19 07 55 06.2 39.21S 174.67E 23 3.5,3.6
ISC Event type se.
WEL Stations used: HIZ KHEZ NTVZ OTVZ TRVZ VRZ WAZ. STRIKE-SLIP FAULTING. Moment Tensor Solution. s7 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.00 $M_{\theta\theta}$1.24 $M_{\phi\phi}$-1.24 $M_{r\theta}$-0.26 $M_{\theta\phi}$1.09 $M_{\phi r}$0.77 NP1:ϕ_s207.00000°,δ75.00000°,λ-163.00000°. NP2:ϕ_s112.00000°,δ74.00000°,λ-15.00000°. Principal axes: T 1.6530,Plg1.0000°,Azm339.0000°; N 0.3280,Plg68.0000°,Azm246.0000°; P -1.9810,Plg22.0000°,Azm70.0000° $M_0$1.84000×10^{14}
WEL Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=163.8. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU North Island, New Zealand.
ISC XII 20 03 43 57.5–1.4 38.97S–.03 177.50E–.04 58–7 146 0-10
NOU XII 20 03 43 58.0 38.94S 177.45E 34 3.8 **¶621634995**
WEL XII 20 03 43 58.6–.40 39S–3.0 177E–3.0 34–4 4.2L,4.1
WEL XII 20 03 43 58.6 38.89S 177.44E 30 4.1L,3.8W
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. Error ellipse: s-maj=4.1km s-min=3.4km az=149.1. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL Stations used: BKZ HAZ KNZ MWZ PUZ RTZ URZ. OBLIQUE-NORMAL FAULTING. Moment Tensor Solution. s7 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.32 $M_{\theta\theta}$2.62 $M_{\phi\phi}$-0.30 $M_{r\theta}$2.81 $M_{\theta\phi}$5.54 $M_{\phi r}$-0.05 NP1:ϕ_s272.00000°,δ78.00000°,λ-32.00000°. NP2:ϕ_s10.00000°,δ59.00000°,λ-166.00000°. Principal axes: T 7.4000,Plg13.0000°,Azm324.0000°; N -1.7730,Plg56.0000°,Azm74.0000°; P -5.6270,Plg31.0000°,Azm226.0000° $M_0$6.69000×10^{14}
WEL XII 29 19 42 48.7–.72 38S–6.0 176E–6.0 277–6 3.9,3.9
¶631565738
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

(160) Off east coast of North Island.

WEL VII 01 06 53 51.6–1.2 36S–11 178E–10 183–15 3.5,3.5
¶626186026
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 03 04 38 01.6–2.3 37.51S–.06 179.96E–.08 7–12 3.9b 100 1-151
IDC VII 03 04 38 00.8–1.4 37.01S 179.86E 0 4.0b,4.0 **¶620927789**
WEL VII 03 04 38 05.0–.92 37S–7.0 180E–7.0 33 3.9,3.9
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 04 17 43 21.2–.91 38S–7.0 180E–6.0 33 3.6L,3.6
¶626186280
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 04 18 49 36.4–.96 37S–7.0 180E–7.0 33 3.5L,3.5
¶626186283
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 05 01 29 56.9–.82 36S–4.0 175E–5.0 9–6 3.8,3.8
WEL VII 05 01 29 57.3 35.82S 175.05E 6 4.0L,3.5W **¶620734241**
WEL Event type se. Error ellipse: s-maj=7.7km s-min=4.4km az=63.3. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL Stations used: GRZ OUZ TOZ WCZ. NORMAL FAULTING. Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.32 $M_{\theta\theta}$1.83 $M_{\phi\phi}$-0.51 $M_{r\theta}$-1.10 $M_{\theta\phi}$1.52 $M_{\phi r}$-0.44 NP1:ϕ_s74.00000°,δ62.00000°,λ-77.00000°. NP2:ϕ_s228.00000°,δ31.00000°,λ-113.00000°. Principal axes: T 2.9070,Plg16.0000°,Azm154.0000°; N -1.2390,Plg11.0000°,Azm247.0000°; P -1.6680,Plg71.0000°,Azm12.0000° $M_0$2.53000×10^{14}
WEL VII 07 15 42 10.4–1.2 38S–8.0 180E–8.0 33 4.1,4.1
¶626186406
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 08 04 48 27.7–.81 38S–6.0 180E–6.0 33 3.8L,3.8
¶626186430
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 16 11 50 17.5–1.2 35S–16 179E–16 232–22 3.9L,3.9
¶626186803
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 17 20 06 16.5–1.0 38S–8.0 180E–7.0 33 3.5L,3.5
¶626186837
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 18 20 12 51.9–.81 39S–4.0 178E–6.0 23–5 3.6L,3.5
¶626186868
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 19 16 19 01.6–.57 39S–3.0 177E–4.0 21–6 3.8L,3.7
¶626186899
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 23 02 46 45.4–1.4 35S–18 180E–15 146–56 4.0,4.0
¶626187067
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 13 22 09 42.2–.77 37S–4.0 178E–5.0 66–8 3.6,3.6
¶626186683
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 24 00 15 55.2–1.6 38S–10 180E–17 23–31 3.6,3.6
¶626187129
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 01 05 47 38.7–2.1 35S–23 180E–21 194–41 3.9,3.9
¶626187616
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 25 08 42 37.6–.95 37.98S–.03 178.46E–.04 16–5 4.0b,4.0s 139 0-151
IDC VII 25 08 42 34.9–5.4 37.38S 178.57E 0 4.1b,4.1 **¶620857162**
WEL VII 25 08 42 39.5 37.90S 178.31E 10 3.9W,3.8L
WEL VII 25 08 42 39.4–.59 38S–3.0 178E–3.0 8–4 4.0L,3.8
NEIC VII 25 08 42 40.9–1.1 37.7S–.20 178.3E–.20 31–8 4.1b,3.8
ISC Event type se.
WEL Stations used: BKZ HAZ MWZ MXZ OPRZ PUZ RTZ TLZ TOZ URZ WIZ. OBLIQUE FAULTING. Moment Tensor Solution. s11 Moment tensor: Scale 10^{14}Nm; M_{rr}0.37 $M_{\theta\theta}$0.89 $M_{\phi\phi}$-1.25 $M_{r\theta}$-8.08 $M_{\theta\phi}$-0.59 $M_{\phi r}$-5.50 NP1:ϕ_s236.00000°,δ89.00000°,λ97.00000°. NP2:ϕ_s334.00000°,δ7.00000°,λ8.00000°. Principal axes: T 9.8610,Plg46.0000°,Azm153.0000°; N -0.0170,Plg7.0000°,Azm55.0000°; P -9.8440,Plg44.0000°,Azm319.0000° $M_0$9.85000×10^{14}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 18 38 40.3–1.5 36.88S–.05 177.15E–.04 23–17 94 1-5
WEL VIII 02 18 38 40.5 36.94S 177.08E 4 3.8W,3.6L **¶620929663**
NOU VIII 02 18 38 40.5 36.92S 177.15E 27 3.6,3.6L
WEL VIII 02 18 38 40.4–.58 37S–5.0 177E–4.0 12 3.6,3.6
ISC Event type se.
WEL Stations used: GRZ HAZ KUZ MKAZ MWZ MXZ PUZ RTZ TOZ URZ. STRIKE-SLIP FAULTING. Moment Tensor Solution. s10 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.25 $M_{\theta\theta}$-1.67 $M_{\phi\phi}$1.92 $M_{r\theta}$1.97 $M_{\theta\phi}$4.53 $M_{\phi r}$1.95 NP1:ϕ_s81.00000°,δ80.00000°,λ22.00000°. NP2:ϕ_s346.00000°,δ68.00000°,λ169.00000°. Principal axes: T 6.1550,Plg23.0000°,Azm305.0000°; N -1.3340,Plg65.0000°,Azm104.0000°; P -4.8210,Plg8.0000°,Azm212.0000° $M_0$5.61000×10^{14}
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 09 11 39 17.4–1.2 36.80S–.08 177.44E–.08 228–7 139 1-149
IDC VIII 09 11 38 53.0–8.2 35.00S 178.11E 0 3.4b,3.4 **¶621007254**
WEL VIII 09 11 39 19.8–1.3 37S–13 177E–9.0 185–13 3.9,3.9
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 11 16 32 06.4–.99 35S–10 179E–11 188–21 3.6,3.5L
¶626188377
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 09 22 06 34.2–1.2 36.36S–.09 177.86E–.09 200 4.0b 106 1-152
IDC VIII 09 22 06 04.4–1.8 35.13S 179.05E 0 4.3b,4.3 **¶621007291**
WEL VIII 09 22 06 32.9–1.3 36S–14 178E–11 182–20 4.3,4.3
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 12 16 08 53.7–2.3 37.59S–.06 179.70E–.08 2–12 3.7b 90 1-151
IDC VIII 12 16 08 53.4–2.2 37.15S 179.59E 0 3.8b,3.8 **¶621009427**
WEL VIII 12 16 08 57.4–.94 38S–7.0 180E–7.0 33 4.0,4.0
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 12 16 11 22.3–3.7 37.5S–.10 179.9E–.20 84–20 30 1-151
IDC VIII 12 16 11 03.0–7.3 32.35S 178.63W 0 3.4b,3.4 **¶621009429**
WEL VIII 12 16 11 25.3–1.0 38S–8.0 180E–7.0 33 3.4,3.4
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 22 13 21 44.3–.69 39S–3.0 178E–3.0 21–4 1.8L,1.8
¶626189136
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 18 03 12 21.2–1.2 36S–6.0 179E–11 33 3.7L,3.7
¶626188792
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 22 19 49 40.4–1.2 36S–11 180E–13 110–28 3.6,3.6
¶626189154
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 28 17 53 07.9–.93 38S–7.0 180E–8.0 61–25 3.5,3.5
¶626189653
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 23 10 02 00.3–2.7 35.2S–.20 178.9E–.20 186–20 3.4b 29 2-149
IDC VIII 23 10 01 33.9–2.2 34.40S 179.94E 0 3.7b,3.7 **¶621049223**
WEL VIII 23 10 01 59.6–1.2 35S–23 179E–26 211–27 3.9,3.9
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 31 20 33 43.9–1.7 37.46S–.07 179.97E–.09 10 3.6b 79 1-151
WEL VIII 31 20 33 45.5–1.0 37S–8.0 180E–8.0 19–15 3.7L,3.6 **¶626189832**
IDC VIII 31 20 33 53.9–2.3 35.42S 178.26E 0 3.7b,3.7
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=12.4km s-min=8.8km az=49.9. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=63.2km s-min=37.8km az=51.0.
ISC VIII 30 20 25 05.5–2.1 36.81S–.06 178.77E–.08 31–12 4.2b 128 1-156
IDC VIII 30 20 24 59.2–1.6 36.13S 178.89E 0 4.2b,4.2 **¶621076540**
WEL VIII 30 20 25 08.6–.91 37S–5.0 179E–8.0 22–10 4.0,4.0
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 02 19 24 50.8–.62 37.14S–.05 178.46E–.06 35 4.3b,3.5s 187 0-152
IDC IX 02 19 24 44.4–1.0 36.59S 178.66E 0 4.3b,4.3 **¶621023961**
NEIC IX 02 19 24 51.9–2.0 37.12S–.09 178.4E–.10 43–8 4.5b,4.3
NOU IX 02 19 24 51.7 37.15S 178.43E 58 4.3,4.3
WEL IX 02 19 24 52.2 37.11S 178.21E 48 4.5L,4.3W
WEL IX 02 19 24 52.3–1.1 37S–6.0 178E–9.0 33 4.5,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Off E. Coast of N. Island, N.Z.
WEL Stations used: BKZ GRZ HAZ HIZ KNZ KUZ MKAZ MWZ MXZ NTVZ OTVZ PUZ. NORMAL FAULTING. Moment Tensor Solution. s18 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.17 $M_{\theta\theta}$0.17 $M_{\phi\phi}$3.00 $M_{r\theta}$0.38 $M_{\theta\phi}$0.97 $M_{\phi r}$1.15 NP1:ϕ_s198.00000°,δ55.00000°,λ-90.00000°. NP2:ϕ_s17.00000°,δ35.00000°,λ-91.00000°. Principal axes: T 3.5250,Plg10.0000°,Azm287.0000°; N -0.1319,Plg0.0000°,Azm17.0000°; P -3.3931,Plg80.0000°,Azm110.0000° $M_0$3.46000×10^{15}

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 08 05 08 08.0–.79 37S–7.0 177E–5.0 102–8 4.0,4.0 ¶626469048
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 06 07 25 35.3–1.1 36S–7.0 178E–9.0 120–15 3.9,3.9 ¶626468876
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 07 06 49 55.8–1.2 36S–14 179E–15 188–25 3.6,3.6 ¶626468952
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 14 05 17 14.0–.99 35S–12 179E–13 210–15 3.9,3.9 ¶626494189
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 13 01 01 18.9–1.4 37.10S–.06 178.50E–.08 43–11 3.9b 115 0-150
IDC IX 13 01 00 58.1–2.2 34.99S 179.18W 0 3.9b,3.9 **¶621309599**
NEIC IX 13 01 01 18.6–1.4 37.10S–.07 178.5E–.20 35–12 4.2b,3.9
NOU IX 13 01 01 19.0 37.09S 178.30E 18 3.5,3.9
WEL IX 13 01 01 19.0–1.1 37S–6.0 178E–9.0 33 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 10 01 06 02.4–1.0 38S–7.0 180E–7.0 33 3.6,3.6 ¶626469179
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 10 17 58 45.8–3.5 37.63S–.06 179.6E–.10 23–21 114 1-151
WEL IX 10 17 58 48.6–.92 38S–6.0 179E–7.0 33 4.0,3.9L **¶621108534**
IDC IX 10 17 58 48.5–5.1 35.93S 178.82E 0 3.5b,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=9.0km s-min=7.5km az=105.8. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=266.4km s-min=54.0km az=170.0.
ISC IX 15 14 35 21.7–.79 36.99S–.06 176.93E–.07 335–6 3.1b 191 1-151
NOU IX 15 14 35 19.3 36.90S 176.90E 363 3.8 **¶621111988**
WEL IX 15 14 35 26.5–.73 37S–6.0 177E–6.0 293–6 3.8,3.8
IDC IX 15 14 35 27.4–2.7 36.62S 176.92E 373–26 4.0,3.0b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. Error ellipse: s-maj=8.3km s-min=7.5km az=126.4. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=27.0km s-min=18.8km az=70.0.
ISC IX 15 08 55 16.6–1.2 39.01S–.03 178.26E–.05 28–8 3.7b 160 0-152
NOU IX 15 08 55 16.4 39.03S 178.23E 29 3.9 **¶621079006**
IDC IX 15 08 55 18.9–2.1 36.57S 177.81E 0 3.8b,3.8
WEL IX 15 08 55 19.1 38.90S 178.02E 12 4.1W,3.9L
WEL IX 15 08 55 19.1–.51 39S–3.0 178E–4.0 25–2 4.2L,4.2
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Stations used: BFZ BKZ HAZ HIZ MWZ MXZ NTVZ OTVZ PUZ PXZ RATZ RTZ. NORMAL FAULTING. Moment Tensor Solution. s19 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.37 $M_{\theta\theta}$0.82 $M_{\phi\phi}$0.55 $M_{r\theta}$-0.11 $M_{\theta\phi}$0.46 $M_{\phi r}$1.21 NP1:ϕ_s200.00000°,δ66.00000°,λ-111.00000°. NP2: ϕ_s64.00000°,δ32.00000°,λ-51.00000°. Principal axes: T 1.3832,Plg18.0000°,Azm306.0000° ; N 0.6014,Plg19.0000°,Azm209.0000°; P -1.9846,Plg63.0000°,Azm76.0000° $M_0$1.76000×10^{15}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 22 02 37 31.7–.95 35.26S–.07 178.96E–.08 215–8 4.0b 123 2-153
NEIC IX 22 02 37 25.5–1.9 34.7S–.10 179.3E–.10 156–6 4.2b **¶621241026**
WEL IX 22 02 37 28.2–.79 35S–6.0 179E–9.0 145–22 6.1b,5.8
IDC IX 22 02 37 30.1–1.8 35.13S 178.92E 200–16 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=16.5km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=13.0km s-min=6.1km az=112.8. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=23.1km s-min=20.5km az=93.0.
ISC IX 19 12 50 46.5–1.9 36.68S–.08 178.8E–.10 60–15 126 1-150
NOU IX 19 12 50 47.0 36.67S 178.41E 3 3.7 **¶621113623**
WEL IX 19 12 50 47.5–1.2 37S–6.0 178E–9.0 5 4.0,4.0
IDC IX 19 12 50 53.9–3.2 37.48S 178.70E 128–19 4.3,3.9b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. Error ellipse: s-maj=12.8km s-min=6.6km az=69.0. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=46.1km s-min=36.9km az=133.0.
ISC IX 17 11 56 37.4–2.0 37.23S–.05 179.03E–.07 16–10 4.1b 149 1-150
IDC IX 17 11 56 33.9–1.8 36.90S 178.96E 0 4.0b,4.0 **¶621112958**
WEL IX 17 11 56 39.4–.82 37S–5.0 179E–6.0 28–6 3.9L,3.8
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 19 01 42 08.6–.53 37.56S–.04 178.38E–.05 75–4 4.8b 310 0-164
GFZ IX 19 01 42 05.7–.37 38S–4.0 179E–5.0 60 4.7b,4.7 **¶621083055**
NOU IX 19 01 42 08.4 37.55S 178.36E 72 4.4,4.7
IDC IX 19 01 42 08.8–2.4 37.34S 178.23E 67–18 4.6,4.4b
WEL IX 19 01 42 09.9 37.50S 178.28E 58 4.7L,4.5W
WEL IX 19 01 42 09.4–1.1 37S–11 178E–7.0 56–7 4.8L,4.7
NEIC IX 19 01 42 09.4–1.8 37.42S–.09 178.3E–.10 63–4 4.6b,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Off E. Coast of N. Island, N.Z.
WEL Stations used: BKZ GRZ HAZ HIZ KNZ KUZ MKAZ MWZ MXZ NTVZ OPRZ OTVZ. REVERSE FAULTING. Moment Tensor Solution. s21 Moment tensor: Scale 10^{15}Nm; M_{rr}5.47 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-4.76 $M_{r\theta}$0.96 $M_{\theta\phi}$-0.68 $M_{\phi r}$2.89 NP1:ϕ_s14.00000°,δ60.00000° ,λ94.00000°. NP2:ϕ_s186.00000°,δ30.00000°,λ83.00000°. Principal axes: T 6.3085,Plg74.0000°,Azm294.0000°; N -0.6231,Plg3.0000°,Azm192.0000° ; P -5.6855,Plg15.0000°,Azm101.0000° $M_0$6.02000×10^{15}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 19 04 00 58.0–1.1 35.23S–.06 179.98E–.09 10 4.1b 63 3-151
IDC IX 19 04 00 53.0–1.6 34.80S 179.77W 0 4.2L,4.2 **¶621113605**
WEL IX 19 04 01 00.1–.76 35S–4.0 180E–7.0 10 6.2b,5.9
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 22 12 05 21.9–1.1 37S–14 177E–18 239–16 3.6L,3.5 ¶626505533
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 23 06 51 32.5–.99 36.03S–.08 178.17E–.10 250–7 4.2b 126 2-149
IDC IX 23 06 51 29.6–3.3 35.45S 178.35E 207–24 4.4,3.9b **¶621106388**
NEIC IX 23 06 51 33.7–.70 36.34S–.07 178.3E–.20 262–10 4.1b,3.9b
WEL IX 23 06 51 35.3–1.1 36S–11 178E–11 212–11 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 27 00 53 42.6–.85 37.37S–.05 177.34E–.04 120–6 3.5b 120 1-154
IDC IX 27 00 53 27.1–1.4 36.31S 177.99E 0 3.8b,3.8 **¶621140670**
NOU IX 27 00 53 43.9 37.16S 177.07E 62 3.9,3.8
WEL IX 27 00 53 44.3–1.0 37S–5.0 177E–5.0 88–14 4.0,4.0
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 24 19 46 20.4–1.1 38S–10 178E–9.0 27–10 1.6L,1.4 ¶626507238
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 16 01 54 20.2–1.9 35.04S–.09 179.9E–.20 35 23 3-149
WEL X 16 01 54 19.8–1.6 35S–21 180E–17 170–48 3.5,3.5 **¶621242096**
IDC X 16 01 54 21.7–2.9 34.91S 178.78E 0 4.1b,4.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=30.6km s-min=17.4km az=30.6. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=61.4km s-min=21.5km az=91.0.
WEL IX 29 15 47 04.2–1.2 37S–8.0 180E–9.0 33 3.5L,3.5 ¶626513434
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 02 01 32 49.7–2.1 36.71S–.05 178.77E–.08 3–11 3.9b 118 1-150
WEL X 02 01 32 49.9–.95 37S–4.0 179E–9.0 12 3.9,3.9 **¶621186038**
IDC X 02 01 32 50.9–1.7 36.74S 178.58E 0 3.8b,3.8
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=11.6km s-min=5.0km az=82.2. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=37.2km s-min=18.9km az=111.0.
ISC IX 29 11 44 55.2–2.4 37.73S–.07 179.79E–.09 12–12 3.6b 89 1-145
IDC IX 29 11 44 53.3–1.9 37.15S 179.70E 0 3.9L,3.7b **¶621146372**
WEL IX 29 11 44 57.6–.98 38S–7.0 180E–7.0 33 3.8,3.8
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 19 20 44 52.1–1.2 36S–18 179E–21 196–19 3.8,3.8 ¶626704047
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 23 16 28 39.1–2.8 37.68S–.05 179.81E–.07 4–16 4.3b,3.5s 138 1-151
IDC X 23 16 28 39.6–1.3 37.21S 179.66E 0 4.3b,4.3 **¶621240713**
NEIC X 23 16 28 40.9–1.9 37.4S–.10 179.66E–.05 10–2 4.4b,4.3
WEL X 23 16 28 41.5–.95 38S–7.0 180E–6.0 12 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 20 02 04 02.8–1.2 36.85S–.09 177.03E–.09 296–7 105 1-149
IDC X 20 02 04 03.1–1.5 38.20S 177.35E 323–4 3.8,3.1b **¶621246582**
WEL X 20 02 04 07.3–1.2 37S–14 177E–10 251–11 3.2,3.2
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 21 18 43 57.4–1.3 35S–19 180E–29 224–15 3.9,3.9 ¶626704196
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 21 14 12 15.9–1.5 37.09S–.07 177.60E–.07 180 109 1-4
NOU X 21 14 12 06.2 36.31S 177.69E 242 3.6 **¶621256398**
WEL X 21 14 12 23.1–1.0 37S–7.0 177E–6.0 116–10 3.4,3.3L
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 30 04 47 46.2–1.6 36S–19 178E–16 171–42 3.7,3.7 ¶626704870
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 27 15 06 20.4–1.1 37.89S–.05 179.77E–.05 19–3 4.3b,3.2s 226 1-156
IDC X 27 15 06 18.5–.87 37.28S 179.62E 0 4.4L,4.3 **¶621242495**
NEIC X 27 15 06 20.6–1.6 37.59S–.08 179.64E–.07 10–1 4.4b,4.3
WEL X 27 15 06 20.3–.92 38S–7.0 180E–6.0 12 4.3,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 24 00 03 47.4–2.2 37.70S–.07 179.82E–.08 13–11 4.1b 101 1-151
NEIC X 24 00 03 49.0–2.2 37.72S–.06 179.63E–.05 10–2 4.1b **¶621366362**
WEL X 24 00 03 50.2–1.3 38S–8.0 180E–9.0 24–19 3.8,3.8
IDC X 24 00 03 51.4–1.8 36.67S 178.81E 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.9km az=340.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=13.1km s-min=8.3km az=58.5. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=40.0km s-min=24.0km az=110.0.
WEL X 24 22 26 24.5–.98 38S–7.0 180E–6.0 33 3.5,3.5 ¶626704465
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 27 11 40 31.4–.60 38S–4.0 178E–4.0 29–5 3.7L,3.2 ¶626704650
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 26 05 33 35.8–.84 37S–7.0 178E–7.0 36–13 2.6,2.6 ¶626704575
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 01 20 57 32.9 37.38S 177.20E 6 3.9W,3.6L ¶621252421
WEL Stations used: KUZ MWZ MXZ OPRZ PUZ RTZ TLZ TOZ URZ. OBLIQUE-NORMAL FAULTING. Moment Tensor Solution. s9 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.60 $M_{\theta\theta}$0.09 $M_{\phi\phi}$0.52 $M_{r\theta}$0.62 $M_{\theta\phi}$0.38 $M_{\phi r}$-0.49 NP1:ϕ_s355.00000°,δ63.00000°,λ-130.00000°. NP2: ϕ_s236.00000°,δ47.00000°,λ-38.00000°. Principal axes: T 0.7550,Plg9.0000°,Azm112.0000° ; N 0.4336,Plg35.0000°,Azm16.0000°; P -1.1886,Plg53.0000°,Azm215.0000° $M_0$1.04000×10^{15}
WEL XI 05 23 32 12.3–1.3 36S–13 178E–13 165–21 3.6,3.6L ¶635632909
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 13 05 41 12.8–1.1 37.00S–.05 177.55E–.04 10 104 1-6
NOU XI 13 05 41 13.3 36.95S 177.62E 15 3.6 **¶621822637**
WEL XI 13 05 41 13.1–.66 37S–5.0 178E–4.0 5 3.8,3.8
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 09 14 08 44.6–2.3 36.94S–.08 177.69E–.09 197–12 144 1-7
NOU XI 09 14 08 41.0 36.62S 177.97E 217 3.2 **¶621822298**
WEL XI 09 14 08 50.6–1.2 37S–8.0 178E–7.0 142–12 3.5,3.5
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 12 04 51 10.7–1.4 36.62S–.07 178.35E–.08 92–10 3.7b 118 1-150
IDC XI 12 04 51 08.9–6.1 36.46S 178.16E 78–45 3.8,3.5b **¶621460195**
NOU XI 12 04 51 10.8 36.57S 178.22E 77 3.6,3.5b
WEL XI 12 04 51 11.9–1.1 37S–7.0 178E–9.0 72–21 3.9,3.9

ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 30 09 12 07.6–2.5 37.38S–.08 178.6E–.10 57–10 95 0-7
NOU XI 30 09 11 55.3 36.46S 178.69E 0 3.8 **¶621823750**
WEL XI 30 09 12 10.5–.67 37S–4.0 178E–5.0 32–4 3.5,3.4L
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 17 04 45 23.3–1.1 38S–8.0 180E–8.0 33 3.5,3.5
¶635644500
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 17 13 37 19.3–2.6 37.70S–.04 179.77E–.05 17–15 4.9b,3.8s 283 1-156
NEIC XI 17 13 37 18.5–1.5 37.63S–.08 179.66E–.10 10–1 4.9b,3.8s **¶621414053**
NOU XI 17 13 37 19.3 37.72S 179.85E 93 4.8,3.8s
GFZ XI 17 13 37 21.1–.29 38S–5.0 179E–4.0 10 5.4b,5.0b
WEL XI 17 13 37 21.9 37.62S 179.69E 44 5.0L,4.6W
IDC XI 17 13 37 23.2–3.3 37.35S 179.54E 34–23 4.6,4.5b
GCMT XI 17 13 37 23.4–.40 37.65S–.04 179.82E–.04 23–0 4.9W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Off E. Coast of N. Island, N.Z.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL Stations used: BKZ KNZ MWZ PUZ RTZ URZ. OBLIQUE-NORMAL FAULTING. Moment Tensor Solution. s6 Moment tensor: Scale 10^{15}Nm; M_{rr}-6.00 $M_{\theta\theta}$1.96 $M_{\phi\phi}$4.05 $M_{r\theta}$3.26 $M_{\theta\phi}$5.45 $M_{\phi r}$-4.08 NP1:ϕ_s9.00000°,δ59.00000°,λ-132.00000°. NP2:ϕ_s249.00000°,δ51.00000°,λ-42.00000°. Principal axes: T 8.6423,Plg5.0000°,Azm127.0000°; N 1.0713,Plg35.0000°,Azm34.0000°; P -9.7136,Plg54.0000°,Azm224.0000° $M_0$9.22000×10^{15}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111171337A. Moment Tensor Solution. s26,c28; s82,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.80±.17 $M_{\theta\theta}$1.07±.11; $M_{\phi\phi}$1.74±.10; $M_{r\theta}$-0.12±.18; $M_{\theta\phi}$0.55±.05; $M_{\phi r}$0.53±.15; Best double couple: NP1:ϕ_s34.00000°,δ40.00000°,λ-81.00000°. NP2:ϕ_s203.00000°,δ50.00000°,λ-97.00000°. Principal axes: T 2.0850,Plg5.0000°,Azm298.0000°; N 0.7960,Plg6.0000°,Azm208.0000°; P -2.8710,Plg83.0000°,Azm68.0000° $M_0$2.47800×10^{16}
WEL XI 22 05 34 45.5–1.6 37S–31 177E–24 219–25 2.6,2.6
¶635895292
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 28 10 00 27.6–2.0 37.18S–.05 179.06E–.07 13–10 3.7b 173 1-150
IDC XI 28 10 00 27.7–1.8 36.86S 178.78E 0 3.8b,3.8 **¶621625172**
NOU XI 28 10 00 32.1 37.19S 178.84E 25 3.6,3.8
WEL XI 28 10 00 32.0–.96 37S–6.0 179E–7.0 33 4.0,4.0
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 18 00 22 39.7–.84 36S–8.0 178E–8.0 217–10 4.1,4.1
¶635645301
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 10 05 15 06.4–.38 39S–2.0 177E–3.0 21–3 3.5L,3.5
¶631564756
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 02 00 46 43.8–1.7 37S–14 177E–10 208–15 3.9,3.9
¶631564379
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 07 00 43 02.8–.64 40S–4.0 179E–5.0 12 3.8,3.8
¶631564589
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
ISC XII 08 08 22 49.5–.96 38.04S–.04 178.66E–.06 65–6 4.0b 174 0-151
NEIC XII 08 08 22 43.7–1.6 38.21S–.07 178.90E–.09 10–1 4.2b **¶621634685**
WEL XII 08 08 22 51.0–.68 38S–5.0 179E–6.0 39–5 3.8L,3.8
IDC XII 08 08 22 52.0–3.5 38.48S 178.44E 76–19 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=7.5km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=8.0km s-min=5.9km az=105.3. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=38.5km s-min=25.7km az=102.0.
ISC XII 08 07 27 02.0–2.4 37.05S–.07 179.88E–.08 2–12 4.1b 56 1-151
NEIC XII 08 07 27 04.1–.62 36.89S–.07 179.69E–.08 10–2 4.2b **¶621634683**
WEL XII 08 07 27 05.2–1.1 37S–8.0 180E–8.0 33 3.8,3.8
IDC XII 08 07 27 08.7–3.1 36.32S 178.69E 0 4.1b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=7.1km az=38.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=12.4km s-min=8.3km az=129.9. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=67.7km s-min=24.4km az=106.0.
ISC XII 14 10 15 59.4–2.5 37.86S–.07 179.3E–.10 28–13 3.4b 62 1-145
WEL XII 14 10 16 00.6–1.1 38S–7.0 179E–7.0 33 3.7,3.7 **¶621652912**
IDC XII 14 10 16 04.7–4.8 34.99S 178.39E 0 3.5b,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=10.5km s-min=8.5km az=48.3. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=137.0km s-min=40.5km az=44.0.
ISC XII 13 22 06 45.4–1.2 38.46S–.03 178.48E–.06 30–7 3.5b 100 0-151
IDC XII 13 22 06 40.8–1.5 38.61S 178.41E 0 4.0b,3.8 **¶621650603**
WEL XII 13 22 06 46.8–.51 38S–3.0 178E–4.0 27–4 3.9L,3.5
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 12 08 48 36.1–1.8 37.71S–.04 179.13E–.07 8–9 4.1b 135 0-153
IDC XII 12 08 48 36.9–2.0 37.30S 178.80E 0 4.1b,4.1 **¶621627920**
NEIC XII 12 08 48 36.9–1.3 37.8S–.10 179.11E–.07 10–2 4.2b,4.1
WEL XII 12 08 48 41.2 37.58S 178.79E 38 4.0W,3.9L
WEL XII 12 08 48 41.2–1.2 38S–5.0 179E–8.0 25–4 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Stations used: HAZ MWZ MXZ PUZ URZ. NORMAL FAULTING. Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.98 $M_{\theta\theta}$0.48 $M_{\phi\phi}$0.51 $M_{r\theta}$0.34 $M_{\theta\phi}$1.01 $M_{\phi r}$0.18 NP1:ϕ_s235.00000°,δ54.00000°,λ-76.00000°. NP2:ϕ_s32.00000°,δ38.00000°,λ-109.00000°. Principal axes: T 1.5513,Plg8.0000°,Azm315.0000°; N -0.4932,Plg12.0000°,Azm47.0000°; P -1.0582,Plg76.0000°,Azm190.0000° $M_0$1.37000×10^{15}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 13 03 35 11.1–.83 38S–6.0 180E–6.0 33 3.7,3.5L
¶631564898
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 13 19 37 24.3–1.2 36.65S–.07 177.84E–.08 208–7 3.9b 116 1-150
IDC XII 13 19 36 54.5–1.3 34.66S 179.89E 0 4.2b,4.2 **¶631564932**
WEL XII 13 19 37 24.7–.90 37S–7.0 178E–7.0 185–7 3.9L,3.9
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 14 16 53 42.3–.64 35.03S–.06 179.24E–.09 200 4.2b 88 3-153
NEIC XII 14 16 53 40.2–2.4 34.8S–.10 179.2E–.10 158–8 4.4b **¶621883696**
IDC XII 14 16 53 41.5–2.0 34.98S 179.10E 189–15 4.2,3.8b
WEL XII 14 16 53 42.2–1.2 35S–12 179E–12 177–24 4.5,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 14 07 50 47.0–.99 38.03S–.04 179.11E–.07 31 4.0b 152 1-151
IDC XII 14 07 50 43.7–2.1 37.47S 179.01E 0 3.9L,3.8b **¶621652899**
NEIC XII 14 07 50 45.3–1.8 38.11S–.08 179.04E–.09 10–1 4.2b,3.8b
WEL XII 14 07 50 47.7–1.4 38S–7.0 179E–10 25–6 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 16 01 16 58.6–1.4 35S–32 179E–35 266–39 3.8,3.8
¶631565014
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 18 11 41 02.4–2.5 36S–19 178E–16 149–31 3.6,3.6
¶631565119
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 24 18 50 10.4–1.3 36.87S–.05 178.93E–.07 10 83 1-150
WEL XII 24 18 50 14.4–.91 37S–5.0 179E–8.0 12 3.5,3.5 **¶621700097**
IDC XII 24 18 50 16.3–2.9 36.65S 178.19E 0 3.4b,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=10.0km s-min=6.0km az=101.6. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=63.2km s-min=23.7km az=101.0.
WEL XII 26 20 50 22.0–1.1 38S–7.0 180E–8.0 12 3.6,3.6
¶631565547
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 24 16 57 49.9–.92 37.65S–.05 178.61E–.07 56–6 4.3b 167 0-151
NEIC XII 24 16 57 42.5–2.1 37.78S–.08 179.08E–.07 10–1 4.4b **¶621652984**
IDC XII 24 16 57 47.4–1.4 37.41S 178.19E 0 4.3L,4.2
WEL XII 24 16 57 53.1–.42 38S–3.0 178E–4.0 30–3 4.1L,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 26 03 56 01.7–1.1 37.27S–.07 177.61E–.07 162–6 3.5b 164 1-150
IDC XII 26 03 56 00.7–3.2 37.11S 177.78E 142–21 3.6,3.2b **¶631565513**
WEL XII 26 03 56 03.0–.92 37S–5.0 178E–6.0 124–9 3.9,3.9
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 29 07 13 40.4–1.2 37S–8.0 180E–8.0 12 3.5,3.5
¶631565697
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 26 23 03 50.7–1.1 37.47S–.06 177.26E–.06 174–7 147 0-150
IDC XII 26 23 03 32.9–2.6 35.60S 177.83E 0 4.5L,4.0 **¶621700267**
WEL XII 26 23 03 53.7–1.2 37S–8.0 177E–6.0 132–13 3.8,3.8
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 30 02 41 49.3–1.6 35S–20 180E–17 167–48 3.6,3.6
¶631565762
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 31 06 37 14.0–.69 37.38S–.05 177.82E–.04 67–6 4.6b 221 0-154
IDC XII 31 06 37 03.8–.80 36.72S 178.18E 0 4.4b,4.4 **¶621657660**
WEL XII 31 06 37 14.8–.57 37S–4.0 178E–5.0 28–5 4.5,4.5
NEIC XII 31 06 37 14.4–2.6 37.38S–.09 177.80E–.07 58–8 4.6b,4.5
WEL XII 31 06 37 14.8 37.36S 177.74E 76 4.6W,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=20.2km az=55.0.
WEL Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=64.2. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.1km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Stations used: BKZ GRZ HAZ HIZ KNZ KUZ MKAZ MWZ MXZ NTVZ OPRZ OTVZ. REVERSE FAULTING. Moment Tensor Solution. s19 Moment tensor: Scale 10^{15}Nm; M_{rr}7.87 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$-7.21 $M_{r\theta}$-1.51 $M_{\theta\phi}$-3.23 $M_{\phi r}$3.74 NP1:ϕ_s5.00000°,δ57.00000°,λ70.00000°. NP2:ϕ_s219.00000°,δ38.00000°,λ119.00000°. Principal axes: T 9.2634,Plg70.0000°,Azm229.0000°; N -0.2114,Plg17.0000°,Azm16.0000°; P -9.0520,Plg10.0000°,Azm109.0000° $M_0$9.16000×10^{15}

(161) Off west coast of South Island.

ISC VII 17 08 27 31.8–2.8 46.56S–.10 165.22E–.08 12–16 29 1-152
IDC VII 17 08 27 31.3–6.1 44.95S 166.33E 0 3.4b,3.4 **¶620928758**
WEL VII 17 08 27 36.4–1.4 47S–9.0 165E–9.0 33 3.5L,3.4
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 20 13 28 31.2–1.3 46.23S–.08 165.92E–.07 12 57 1-144
WEL VIII 20 13 28 31.4–1.6 46S–8.0 166E–10 12–4 4.2,4.2 **¶621041283**
IDC VIII 20 13 28 34.6–13 45.19S 165.74E 0 3.4b,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=14.0km s-min=8.6km az=55.1. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=628.4km s-min=52.6km az=52.0.
WEL X 07 04 38 44.3–1.3 45S–6.0 167E–9.0 15–4 3.5,3.5
¶626703228
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 22 22 46 21.7–.75 46.30S–.07 166.62E–.06 125–6 4.2b 92 0-37
NEIC VIII 22 22 46 22.1–.88 46.3S–.10 166.64E–.07 123–7 4.1b **¶620999708**
WEL VIII 22 22 46 25.5–1.1 46S–7.0 167E–7.0 89–7 4.1,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 11 16 12 22.8–.96 46S–5.0 167E–6.0 18–3 3.7,3.7
¶626469310
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 14 16 13 59.3–1.2 47S–8.0 169E–3.0 3–4 3.7,3.7
¶626494215
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 16 22 15 12.6–.42 48.37S–.06 165.10E–.05 10 4.6b,3.8s 208 2-168
IDC X 16 22 15 11.1–.58 48.48S 164.88E 0 4.4L,4.4 **¶621204783**
NOU X 16 22 15 12.3 48.44S 165.08E 5 4.8b,4.4
GFZ X 16 22 15 14.0–.33 48S–5.0 165E–3.0 10 5.7,5.6
NEIC X 16 22 15 13.4–1.6 48.32S–.07 165.1E–.10 12–4 4.7b,5.6
ISC Event type se.
NOU Off W. Coast of S. Island, N.Z.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL X 07 20 54 37.3–1.1 45S–6.0 167E–8.0 23–3 3.7,3.7
¶626703274
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**X**	**26 13 11 28.6–1.5**	**45.23S–.04**	**166.57E–.06**	**11–10**		**91**	**0-17**
NEIC	X	26 13 11 28.3–.57	45.26S–.05	166.52E–.05	10–1	4.3b		**¶621240771**
WEL	X	26 13 11 30.8	45.29S	166.73E	16	4.3L,3.7W		
NOU	X	26 13 11 30.6	45.27S	166.73E	11	4.0,3.7W		
WEL	X	26 13 11 30.5–.93	45S–4.0	167E–6.0	13–3	4.2,4.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

WEL Stations used: EAZ MLZ MSZ PYZ WHZ WKZ. REVERSE FAULTING. Moment Tensor Solution. s6 Moment tensor: Scale 10^{14}Nm; M_{rr}3.57 $M_{\theta\theta}$1.19 $M_{\phi\phi}$-4.76 $M_{r\theta}$0.84 $M_{\theta\phi}$-0.49 $M_{\phi r}$-0.67 NP1:ϕ_s168.00000°,δ52.00000°,λ67.00000°. NP2:ϕ_s23.00000°,δ44.00000° ,λ117.00000°. Principal axes: T 3.9050,Plg71.0000°,Azm16.0000°; N 0.9380,Plg18.0000° ,Azm183.0000°; P -4.8430,Plg4.0000°,Azm274.0000° M_o4.45000×10^{14}

NOU Off W. Coast of S. Island, N.Z.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**X**	**19 21 11 21.2–.59**	**46.78S–.05**	**165.74E–.04**	**20–2**	**4.6b,3.9s**	**183**	**1-161**
NOU	X	19 21 11 19.8	46.77S	165.38E	101	5.2,3.9s		**¶621221461**
IDC	X	19 21 11 19.9–.51	46.75S	165.74E	0	4.5L,4.2		
NEIC	X	19 21 11 20.9–1.9	46.82S–.07	165.6E–.10	18–3	4.7b,4.2		
WEL	X	19 21 11 22.8	46.80S	165.78E	19	5.2L,4.7W		
WEL	X	19 21 11 22.9–1.2	47S–9.0	166E–6.0	12	5.1,5.1		

ISC Event type se.

NOU Off W. Coast of S. Island, N.Z.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

WEL Stations used: DCZ EAZ MLZ MSZ PYZ SYZ TUZ WHZ WKZ. OBLIQUE-REVERSE FAULTING. Moment Tensor Solution. s9 Moment tensor: Scale 10^{16}Nm; M_{rr}0.75 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-1.09 $M_{r\theta}$1.09 $M_{\theta\phi}$0.45 $M_{\phi r}$0.02 NP1:ϕ_s128.00000°,δ67.00000°,λ47.00000°. NP2: ϕ_s15.00000°,δ48.00000°,λ148.00000°. Principal axes: T 1.6861,Plg49.0000°,Azm350.0000° ; N -0.4092,Plg39.0000°,Azm148.0000°; P -1.2770,Plg11.0000°,Azm247.0000° M_o1.52000×10^{16}

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

WEL	**X**	**29 17 10 21.5–1.7**	**46S–13**	**166E–9.0**	**13–8**	**4.0,4.0**		
								¶626704834

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**XI**	**04 16 36 54.3–.29**	**48.28S–.04**	**165.24E–.04**	**10**	**5.5s,5.0b**	**446**	**2-162**
BJI	XI	04 16 36 52.8	48.30S	165.20E	10	5.6b,5.4b		**¶621309484**
NEIC	XI	04 16 36 53.8	48.47S	165.40E	26	5.5,5.4b		
NEIC	XI	04 16 36 53.3	48.27S	165.24E	10	5.5,5.4b		
NEIC	XI	04 16 36 53.3	48.27S	165.25E	10	5.5,5.4b		
NEIC	XI	04 16 36 53.3–1.5	48.27S–.06	165.25E–.09	10–1	5.5,5.5		
IDC	XI	04 16 36 54.7–.54	48.31S	165.17E	0	5.0s,4.9L		
NOU	XI	04 16 36 54.5	48.30S	165.47E	0	5.1b,4.9L		
MOS	XI	04 16 36 54.8–2.1	48.38S	164.73E	10	4.8b,4.9L		
GFZ	XI	04 16 36 55.4–.22	48S–3.0	165E–3.0	10	5.7b,5.2		
GFZ	XI	04 16 36 55.5	48.17S	165.38E	17	5.5W,5.2		
GCMT	XI	04 16 37 01.0–.10	48.19S–.01	165.00E–.01	20–0	5.6W,5.2		

ISC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.52 $M_{\theta\theta}$0.63 $M_{\phi\phi}$-0.10 $M_{r\theta}$-0.34 $M_{\theta\phi}$2.08 $M_{\phi r}$-0.47 NP1:ϕ_s275.54000°,δ77.87000° ,λ3.01000°. NP2:ϕ_s184.91000°,δ87.05000°,λ167.85000°. Principal axes: T 2.4784,Plg11.0000°,Azm140.0000°; N -0.6148,Plg78.0000°,Azm351.0000° ; P -1.8637,Plg6.0000°,Azm231.0000° M_o2.24000×10^{17}

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23 $M_{\theta\theta}$1.72 $M_{\phi\phi}$-1.49 $M_{r\theta}$-0.84 $M_{\theta\phi}$1.81 $M_{\phi r}$0.36 NP1:ϕ_s110.06000°,δ86.93000°,λ-21.11000°. NP2:ϕ_s201.24000°,δ68.93000° ,λ-176.71000°. Principal axes: T 2.6721,Plg12.0000°,Azm158.0000°; N -0.1615,Plg69.0000° ,Azm282.0000°; P -2.5106,Plg17.0000°,Azm64.0000° M_o2.60000×10^{17}

NOU Off W. Coast of S. Island, N.Z.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$1.76 $M_{\phi\phi}$-1.65 $M_{r\theta}$-0.05 $M_{\theta\phi}$1.81 $M_{\phi r}$-0.17 NP1: ϕ_s291.59757°,δ85.81120°,λ-0.61937°. NP2:ϕ_s21.64282°,δ89.38228°,λ-175.81095°. Principal axes: T 2.5453,Plg2.5233°,Azm156.5453°; N -0.1020,Plg85.7657°,Azm30.0163° ; P -2.4433,Plg3.3981°,Azm246.6952° M_o2.49590×10^{17}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111041636A. Moment Tensor Solution. s129,c231; s146,c291;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.20±.03 $M_{\theta\theta}$2.17±.03; $M_{\phi\phi}$-1.96±.03; $M_{r\theta}$-0.81±.07; $M_{\theta\phi}$2.00±.03; $M_{\phi r}$0.30±.07; Best double couple: NP1: ϕ_s203.00000°,δ73.00000°,λ-179.00000°. NP2:ϕ_s113.00000°,δ89.00000°,λ-17.00000°. Principal axes: T 3.1040,Plg11.0000°,Azm159.0000°; N -0.2010,Plg73.0000°,Azm289.0000° ; P -2.8980,Plg12.0000°,Azm67.0000° M_o3.00100×10^{17}

ISC	**XI**	**22 11 22 37.7–2.1**	**40.92S–.05**	**172.82E–.07**	**221–11**		**98**	**0-4**
NOU	XI	22 11 22 40.9	40.99S	172.92E	194	3.5		**¶621823237**
WEL	XI	22 11 22 42.2–.86	41S–6.0	173E–7.0	188–6	3.9,3.9		

ISC Event type se.

NOU Off W. Coast of S. Island, N.Z.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

(162) South Island.

ISC	**VII**	**01 10 45 14.2–.95**	**42.43S–.03**	**173.71E–.04**	**32–6**		**131**	**0-7**
NOU	VII	01 10 45 13.9	42.44S	173.71E	26	3.9		**¶620969468**
WEL	VII	01 10 45 14.4–.39	42S–2.0	174E–3.0	28–3	3.8,3.8		

ISC Event type se.

NOU South Island, New Zealand.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**VII**	**12 01 12 40.1–1.7**	**44.92S–.05**	**167.55E–.07**	**140–9**		**99**	**0-10**
NOU	VII	12 01 12 41.1	44.90S	167.57E	126	3.9		**¶620833479**
WEL	VII	12 01 12 43.8	44.97S	167.59E	108	4.3L,3.9W		
WEL	VII	12 01 12 43.8–.87	45S–4.0	168E–4.0	106–6	3.9,3.9		

ISC Event type se.

NOU South Island, New Zealand.

WEL Stations used: DCZ EAZ JCZ MLZ MSZ PYZ WHZ WKZ. STRIKE-SLIP FAULTING. Moment Tensor Solution. s8 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.30 $M_{\theta\theta}$1.12 $M_{\phi\phi}$-0.82 $M_{r\theta}$1.22 $M_{\theta\phi}$-7.75 $M_{\phi r}$-4.18 NP1:ϕ_s176.00000°,δ88.00000°,λ28.00000°. NP2:ϕ_s85.00000°,δ62.00000° ,λ177.00000°. Principal axes: T 9.4060,Plg21.0000°,Azm44.0000°; N -1.0040,Plg62.0000° ,Azm181.0000°; P -8.4010,Plg18.0000°,Azm307.0000° M_o8.95000×10^{14}

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

WEL	**VII**	**15 07 31 51.0–.48**	**45S–4.0**	**167E–4.0**	**33**	**3.7,3.7**		
								¶626186758

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

WEL	**VII**	**18 08 36 25.9–.44**	**45S–3.0**	**168E–5.0**	**91**	**5.0b,4.4**		
WEL	VII	18 08 36 26.8	45.01S	167.52E	90	4.4L,4.1W		**¶620833489**

WEL Event type se. Error ellipse: s-maj=6.8km s-min=3.4km az=115.2. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

WEL Stations used: DCZ EAZ JCZ MLZ PYZ SYZ WHZ WKZ. OBLIQUE-REVERSE FAULTING. Moment Tensor Solution. s8 Moment tensor: Scale 10^{15}Nm; M_{rr}0.61 $M_{\theta\theta}$0.68 $M_{\phi\phi}$-1.28 $M_{r\theta}$-1.41 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.41 NP1:ϕ_s326.00000°,δ71.00000°,λ44.00000°. NP2:ϕ_s218.00000° ,δ49.00000°,λ154.00000°. Principal axes: T 2.1194,Plg44.0000°,Azm191.0000° ; N -0.7451,Plg43.0000°,Azm345.0000°; P -1.3743,Plg14.0000°,Azm87.0000° M_o1.86000×10^{15}

WEL	**VIII**	**07 06 51 20.6–.73**	**44S–4.0**	**169E–4.0**	**44–8**	**3.9,3.9**		
								¶626188053

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**VIII**	**01 03 10 18.5–.79**	**43.62S–.02**	**172.22E–.02**	**17–5**		**120**	**0-7**
WEL	VIII	01 03 10 18.9	43.62S	172.20E	8	3.8L,3.5W		**¶620925852**
NOU	VIII	01 03 10 18.1	43.62S	172.28E	14	3.9,3.5W		
NEIC	VIII	01 03 10 18.4–1.5	43.61S–.04	172.22E–.04	25–9	3.4L,3.5W		
WEL	VIII	01 03 10 19.0–.31	44S–2.0	172E–2.0	5	3.9,3.9		

ISC Event type se.

WEL Stations used: CVZ GVZ INZ LTZ MQZ RPZ. STRIKE-SLIP FAULTING. Moment Tensor Solution. s6 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.24 $M_{\theta\theta}$1.88 $M_{\phi\phi}$-1.64 $M_{r\theta}$0.51 $M_{\theta\phi}$-0.21 $M_{\phi r}$-0.84 NP1:ϕ_s316.00000°,δ83.00000°,λ-29.00000°. NP2:ϕ_s50.00000°,δ61.00000° ,λ-172.00000°. Principal axes: T 2.0410,Plg15.0000°,Azm7.0000°; N -0.0060,Plg60.0000° ,Azm124.0000°; P -2.0340,Plg25.0000°,Azm270.0000° M_o2.04000×10^{14}

NOU South Island, New Zealand.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**VIII**	**30 20 45 16.8–.94**	**41.43S–.02**	**172.31E–.02**	**12–8**		**160**	**0-6**
WEL	VIII	30 20 45 16.9	41.40S	172.32E	14	3.9L,3.4W		**¶621011387**
NOU	VIII	30 20 45 16.6	41.40S	172.30E	8	3.8,3.4W		
NEIC	VIII	30 20 45 17.0–1.3	41.42S–.02	172.34E–.02	10–5	3.5L,3.4W		
WEL	VIII	30 20 45 16.7–.34	41S–2.0	172E–2.0	4–1	4.0,4.0		

ISC Event type se.

WEL Stations used: DSZ GVZ KHZ LTZ NNZ QRZ. STRIKE-SLIP FAULTING. Moment Tensor Solution. s6 Moment tensor: Scale 10^{14}Nm; M_{rr}0.20 $M_{\theta\theta}$1.57 $M_{\phi\phi}$-1.76 $M_{r\theta}$-0.28 $M_{\theta\phi}$-0.12 $M_{\phi r}$-0.21 NP1:ϕ_s227.00000°,δ87.00000°,λ168.00000°. NP2:ϕ_s317.00000°,δ78.00000° ,λ3.00000°. Principal axes: T 1.6250,Plg11.0000°,Azm181.0000°; N 0.1670,Plg77.0000° ,Azm32.0000°; P -1.7910,Plg6.0000°,Azm272.0000° M_o1.71000×10^{14}

NOU South Island, New Zealand.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**VIII**	**10 13 03 53.2–.85**	**44.43S–.03**	**170.90E–.02**	**12–6**		**122**	**0-100**
WEL	VIII	10 13 03 53.2	44.41S	170.89E	6	4.1L,3.7W		**¶620979644**
NOU	VIII	10 13 03 53.7	44.40S	170.88E	4	4.1,3.7W		
NEIC	VIII	10 13 03 53.1–.98	44.41S–.08	170.90E–.09	12–6	4.2b,3.7W		
WEL	VIII	10 13 03 53.2–.31	44S–2.0	171E–2.0	5–2	4.1,4.1		

ISC Event type se.

WEL Stations used: CVZ EAZ INZ JCZ LBZ MQZ ODZ OPZ OXZ RPZ TUZ WKZ. REVERSE FAULTING. Moment Tensor Solution. s13 Moment tensor: Scale 10^{14}Nm; M_{rr}3.72 $M_{\theta\theta}$1.11 $M_{\phi\phi}$-4.83 $M_{r\theta}$1.05 $M_{\theta\phi}$-2.28 $M_{\phi r}$0.23 NP1:ϕ_s39.00000°,δ52.00000°,λ118.00000°. NP2: ϕ_s177.00000°,δ46.00000°,λ58.00000°. Principal axes: T 4.1350,Plg68.0000°,Azm11.0000° ; N 1.5030,Plg22.0000°,Azm201.0000°; P -5.6380,Plg3.0000°,Azm109.0000° M_o5.06000×10^{14}

NOU South Island, New Zealand.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

WEL	**VIII**	**27 15 08 41.7–.33**	**42S–3.0**	**173E–3.0**	**5**	**3.5L,3.3**		
								¶626189512

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**IX**	**02 00 47 38.9–2.2**	**45.35S–.05**	**167.08E–.08**	**120–11**		**49**	**0-5**
NOU	IX	02 00 47 28.6	45.54S	166.14E	184	3.8		**¶621309515**
WEL	IX	02 00 47 42.9–.84	45S–4.0	167E–4.0	85–6	3.6,3.6		

ISC Event type se.

NOU Off W. Coast of S. Island, N.Z.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**XI**	**29 19 51 11.2–.79**	**44.67S–.02**	**169.55E–.02**	**9**		**53**	**0-5**
NOU	XI	29 19 51 11.3	44.70S	169.56E	2	3.8		**¶621823689**
WEL	XI	29 19 51 11.2–.31	45S–3.0	170E–3.0	5	3.8,3.8		

ISC Event type se.

NOU South Island, New Zealand.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

WEL	**IX**	**05 21 32 07.7–.33**	**43S–2.0**	**171E–2.0**	**5**	**2.5,2.5**		
								¶626466075

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

WEL	**IX**	**15 21 25 56.6–.84**	**45S–6.0**	**167E–5.0**	**73–7**	**3.7,3.7**		
								¶626494968

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**IX**	**17 06 05 12.1–.79**	**43.49S–.02**	**172.79E–.02**	**18–4**		**111**	**0-4**
WEL	IX	17 06 05 13.3	43.54S	172.72E	7	3.6L,3.3W		**¶621080898**
NEIC	IX	17 06 05 13.8–2.1	43.530S–.01	172.72E–.02	10–1	3.1L,3.3W		
WEL	IX	17 06 05 13.3–.30	44S–2.0	173E–2.0	11–1	3.6,3.6		

ISC Event type se.

WEL Stations used: GVZ INZ KHZ MQZ OXZ RPZ. REVERSE FAULTING. Moment Tensor Solution. s6 Moment tensor: Scale 10^{14}Nm; M_{rr}0.40 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.33 $M_{\phi r}$-0.97 NP1:ϕ_s174.00000°,δ80.00000°,λ70.00000°. NP2:ϕ_s58.00000°,δ22.00000° ,λ152.00000°. Principal axes: T 1.1660,Plg51.0000°,Azm61.0000°; N -0.1020,Plg19.0000° ,Azm177.0000°; P -1.0640,Plg32.0000°,Azm280.0000° M_o1.12000×10^{14}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**IX**	**18 12 56 21.8–.54**	**45.12S–.04**	**167.39E–.04**	**88–4**	**4.3b**	**169**	**0-162**
IDC	IX	18 12 56 22.0–.64	45.02S	167.44E	83–5	4.2,3.9b		**¶621082977**
NEIC	IX	18 12 56 22.0–1.1	45.17S–.06	167.32E–.07	89–5	4.3b,3.9b		
NOU	IX	18 12 56 22.8	45.16S	167.41E	75	4.5,3.9b		
WEL	IX	18 12 56 23.4	45.13S	167.33E	76	4.6L,4.4W		
WEL	IX	18 12 56 23.5–.76	45S–4.0	167E–5.0	64–7	4.6,4.6		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU South Island, New Zealand.

WEL Stations used: CVZ DCZ EAZ JCZ MLZ MSZ ODZ PYZ RPZ SYZ TUZ WHZ. REVERSE FAULTING. Moment Tensor Solution. s13 Moment tensor: Scale 10^{15}Nm; M_{rr}3.97 $M_{\theta\theta}$-1.70 $M_{\phi\phi}$-2.27 $M_{r\theta}$-2.14 $M_{\theta\phi}$-1.79 $M_{\phi r}$-0.35 NP1:ϕ_s237.00000°,δ59.00000°,λ107.00000°. NP2: ϕ_s26.00000°,δ35.00000°,λ64.00000°. Principal axes: T 4.6927,Plg71.0000°,Azm186.0000° ; N -0.5408,Plg15.0000°,Azm48.0000°; P -4.1519,Plg12.0000°,Azm315.0000° M_o4.45000×10^{15}

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

WEL	**X**	**07 04 46 15.3–.87**	**45S–4.0**	**167E–6.0**	**99–6**	**3.5,3.5**		
								¶626703229

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

WEL	**XI**	**03 03 09 07.0**	**43.02S**	**171.75E**	**6**	**3.8L,3.7W**		
								¶621261558

WEL Stations used: DSZ FOZ GVZ INZ KHZ LTZ MQZ RPZ THZ WVZ. OBLIQUE-REVERSE FAULTING. Moment Tensor Solution. s10 Moment tensor: Scale 10^{14}Nm; M_{rr}2.32 $M_{\theta\theta}$0.95 $M_{\phi\phi}$-3.27 $M_{r\theta}$-2.44 $M_{\theta\phi}$-2.28 $M_{\phi r}$-0.75 NP1:ϕ_s236.00000°,δ69.00000°,λ130.00000°. NP2: ϕ_s349.00000°,δ45.00000°,λ31.00000°. Principal axes: T 4.2650,Plg49.0000°,Azm190.0000° ; N 0.4300,Plg37.0000°,Azm39.0000°; P -4.6950,Plg14.0000°,Azm298.0000° M_o4.50000×10^{14}

WEL	**XI**	**11 10 06 45.6–1.0**	**45S–5.0**	**168E–7.0**	**103–7**	**4.5,4.5**		
								¶635639611

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.

WEL	**XI**	**12 10 14 47.5**	**43.43S**	**172.12E**	**4**	**3.5L,3.4W**		
								¶621403050

WEL Stations used: CVZ FOZ INZ KHZ LBZ MQZ OXZ RPZ THZ WVZ. REVERSE FAULTING. Moment Tensor Solution. s10 Moment tensor: Scale 10^{14}Nm; M_{rr}1.10 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-1.21 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.26 $M_{\phi r}$1.05 NP1:ϕ_s6.00000°,δ66.00000°,λ86.00000°. NP2:ϕ_s196.00000° ,δ24.00000°,λ99.00000°. Principal axes: T 1.5070,Plg69.0000°,Azm269.0000° ; N 0.1510,Plg4.0000°,Azm8.0000°; P -1.6570,Plg21.0000°,Azm99.0000° M_o1.59000×10^{14}

ISC	**IX**	**03 22 55 00.6–1.2**	**41.55S–.03**	**173.27E–.03**	**78–5**		**156**	**0-6**
NOU	IX	03 22 55 01.0	41.52S	173.24E	61	4.1		**¶621309516**
WEL	IX	03 22 55 01.1–.50	41S–3.0	173E–3.0	60–4	3.9,3.9		

ISC Event type se.

NOU South Island, New Zealand.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 19 14 10 34.0–1.2 41.36S–.03 171.95E–.03 3–9 4.6b 152 0-78
WEL IX 19 14 10 34.1 41.37S 171.94E 8 3.8L,3.3W **¶621083134**
NEIC IX 19 14 10 34.9–.97 41.30S–.05 172.03E–.06 4–5 4.5b,3.3W
WEL IX 19 14 10 34.4–.58 41S–4.0 172E–3.0 2–2 3.7L,3.7
ISC Event type se.
WEL Stations used: DSZ INZ KHZ NNZ QRZ. REVERSE FAULTING. Moment Tensor Solution. s5 Moment tensor: Scale 10^{14}Nm; M_{rr}0.81 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-0.60 $M_{r\theta}$-0.54 $M_{\theta\phi}$0.12 $M_{\phi r}$-0.49 NP1:ϕ_s202.00000°,δ67.00000°,λ110.00000°. NP2:ϕ_s340.00000°,δ30.00000°,λ51.00000°. Principal axes: T 1.1820,Plg63.0000°,Azm144.0000°; N -0.4180,Plg18.0000°,Azm14.0000° ; P -0.7640,Plg20.0000°,Azm278.0000° $M_0$1.04000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 27 05 36 20.4–.63 45S–4.0 167E–4.0 55–7 3.7,3.7
¶626511615
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 05 13 33 50.2–.85 42.77S–.02 172.49E–.02 11–6 147 0-7
WEL X 05 13 33 50.3 42.74S 172.47E 7 3.9L,3.4W **¶621144589**
NOU X 05 13 33 50.1 42.78S 172.48E 9 3.7,3.4W
WEL X 05 13 33 50.3–.38 43S–2.0 172E–2.0 5–2 3.9,3.9
ISC Event type se.
WEL Stations used: DSZ GVZ INZ KHZ LTZ MQZ NNZ OXZ RPZ THZ WVZ. OBLIQUE FAULTING. Moment Tensor Solution. s11 Moment tensor: Scale 10^{14}Nm; M_{rr}0.17 $M_{\theta\theta}$1.42 $M_{\phi\phi}$-1.59 $M_{r\theta}$0.74 $M_{\theta\phi}$-0.31 $M_{\phi r}$0.51 NP1:ϕ_s49.00000°,δ85.00000°,λ149.00000°. NP2:ϕ_s142.00000°,δ59.00000°,λ5.00000°. Principal axes: T 1.7650,Plg25.0000°,Azm1.0000° ; N 0.0430,Plg59.0000°,Azm222.0000°; P -1.8080,Plg18.0000°,Azm100.0000° $M_0$1.79000×10^{14}
NOU South Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 21 08 16 05.8–.68 44.99S–.05 167.58E–.05 100–5 4.0b 140 0-152
IDC IX 21 08 15 52.2–1.1 44.69S 167.94E 0 3.9b,3.9 **¶621094760**
NEIC IX 21 08 16 04.6–2.1 44.86S–.08 167.37E–.08 93–6 4.0b,3.9
NOU IX 21 08 16 05.7 44.96S 167.57E 90 4.5,3.9
WEL IX 21 08 16 06.6 44.97S 167.45E 50 4.6L,4.0W
WEL IX 21 08 16 06.6–.84 45S–5.0 167E–6.0 78–6 4.5,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South Island, New Zealand.
WEL Stations used: DCZ EAZ JCZ MSZ PYZ WHZ WKZ. STRIKE-SLIP FAULTING. Moment Tensor Solution. s7 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.10 $M_{\theta\theta}$0.88 $M_{\phi\phi}$-0.78 $M_{r\theta}$-0.19 $M_{\theta\phi}$-0.82 $M_{\phi r}$-0.63 NP1:ϕ_s334.00000°,δ74.00000°,λ-21.00000°. NP2:ϕ_s71.00000°,δ69.00000° ,λ-163.00000°. Principal axes: T 1.2217,Plg3.0000°,Azm23.0000°; N 0.2206,Plg64.0000° ,Azm120.0000°; P -1.4422,Plg26.0000°,Azm292.0000° $M_0$1.35000×10^{15}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 25 13 50 28.1–.83 44.54S–.02 168.85E–.03 8 70 0-7
WEL X 25 13 50 27.5 44.52S 168.86E 5 4.4L,4.2W **¶621241066**
WEL X 25 13 50 27.5–.29 45S–2.0 169E–3.0 4–2 4.4,4.4
NOU X 25 13 50 28.5 44.54S 168.86E 1 4.4,4.4
ISC Event type se.
WEL Stations used: DCZ EAZ JCZ LBZ MLZ MSZ RPZ TUZ WKZ. REVERSE FAULTING. Moment Tensor Solution. s9 Moment tensor: Scale 10^{15}Nm; M_{rr}2.60 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$-1.34 $M_{r\theta}$1.68 $M_{\theta\phi}$-0.57 $M_{\phi r}$0.81 NP1:ϕ_s56.00000°,δ65.00000°,λ97.00000°. NP2:ϕ_s220.00000° ,δ26.00000°,λ76.00000°. Principal axes: T 3.2974,Plg69.0000°,Azm340.0000° ; N -0.8024,Plg6.0000°,Azm233.0000°; P -2.4950,Plg20.0000°,Azm141.0000° $M_0$2.98000×10^{15}
WEL Event type se. Error ellipse: s-maj=3.6km s-min=2.8km az=121.0. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC X 27 00 45 16.3–1.1 44.39S–.02 169.54E–.02 1–10 81 0-7
WEL X 27 00 45 16.0 44.36S 169.54E 11 4.1L,3.7W **¶621242485**
WEL X 27 00 45 16.0–.29 44S–2.0 170E–2.0 5 4.1,4.1
NOU X 27 00 45 16.6 44.40S 169.54E 3 4.0,4.1
ISC Event type se.
WEL Stations used: CVZ EAZ FOZ JCZ LBZ MLZ MSZ ODZ RPZ TUZ WKZ WVZ. OBLIQUE FAULTING. Moment Tensor Solution. s12 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.37 $M_{\theta\theta}$2.99 $M_{\phi\phi}$-1.62 $M_{r\theta}$-2.91 $M_{\theta\phi}$-3.04 $M_{\phi r}$0.38 NP1:ϕ_s78.00000°,δ83.00000°,λ-140.00000°. NP2:ϕ_s343.00000°,δ50.00000°,λ-9.00000°. Principal axes: T 5.6190,Plg22.0000°,Azm204.0000° ; N -1.8640,Plg49.0000°,Azm86.0000°; P -3.7550,Plg33.0000°,Azm309.0000° $M_0$4.96000×10^{14}
WEL Event type se. Error ellipse: s-maj=2.6km s-min=2.5km az=162.0. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC XI 08 20 07 20.4–.82 43.48S–.02 171.50E–.02 13–5 106 0-6
NOU XI 08 20 07 20.2 43.47S 171.56E 5 4.0 **¶621385022**
WEL XI 08 20 07 20.4 43.45S 171.51E 9 4.1L,3.7W
ISC Event type se.
NOU South Island, New Zealand.
WEL Stations used: CVZ DSZ FOZ GVZ INZ LBZ LTZ MQZ ODZ OXZ RPZ WVZ. STRIKE-SLIP FAULTING. Moment Tensor Solution. s12 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.20 $M_{\theta\theta}$3.05 $M_{\phi\phi}$-2.85 $M_{r\theta}$-1.16 $M_{\theta\phi}$-2.61 $M_{\phi r}$1.22 NP1:ϕ_s336.00000°,δ86.00000°,λ21.00000°. NP2:ϕ_s245.00000°,δ69.00000°,λ175.00000°. Principal axes: T 4.5310,Plg18.0000°,Azm202.0000° ; N -0.5400,Plg68.0000°,Azm347.0000°; P -3.9910,Plg12.0000°,Azm108.0000° $M_0$4.29000×10^{14}
WEL XII 06 09 54 51.4–.29 43S–2.0 172E–2.0 5 3.8,3.8
WEL XII 06 09 54 51.4 42.76S 171.63E 9 3.8L,3.6W **¶621615797**
WEL Event type se. Error ellipse: s-maj=3.2km s-min=2.5km az=10.3. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL Stations used: GVZ INZ KHZ MQZ OXZ RPZ THZ WVZ. STRIKE-SLIP FAULTING. Moment Tensor Solution. s8 Moment tensor: Scale 10^{14}Nm; M_{rr}0.45 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-1.05 $M_{r\theta}$0.85 $M_{\theta\phi}$-2.32 $M_{\phi r}$-0.77 NP1:ϕ_s173.00000°,δ74.00000°,λ21.00000°. NP2:ϕ_s77.00000°,δ70.00000° ,λ163.00000°. Principal axes: T 2.7900,Plg26.0000°,Azm36.0000°; N -0.0960,Plg64.0000° ,Azm209.0000°; P -2.6950,Plg3.0000°,Azm305.0000° $M_0$2.74000×10^{14}
WEL XII 09 00 00 04.3–.57 42S–3.0 173E–3.0 58–5 3.5,3.5
¶631564687
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 13 21 31 53.0–.77 42S–4.0 173E–4.0 59–6 4.1,4.1
¶631564936
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 09 13 03 09.7–.34 42S–2.0 174E–2.0 13–3 3.8,3.8
¶631564716
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 24 12 36 14.1–.31 42S–3.0 172E–2.0 5 3.5,3.5
WEL XII 24 12 36 14.7 41.79S 172.02E 5 3.5L,3.2W **¶621661313**
WEL Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=149.1. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL Stations used: DSZ INZ LTZ QRZ THZ. REVERSE FAULTING. Moment Tensor Solution. s5 Moment tensor: Scale 10^{13}Nm; M_{rr}9.20 $M_{\theta\theta}$-6.96 $M_{\phi\phi}$-2.23 $M_{r\theta}$2.56 $M_{\theta\phi}$-3.05 $M_{\phi r}$0.64 NP1: ϕ_s67.00000°,δ53.00000°,λ94.00000°. NP2:ϕ_s241.00000°,δ37.00000°,λ85.00000°. Principal axes: T 9.6000,Plg81.0000°,Azm354.0000°; N -0.7700,Plg3.0000°,Azm245.0000° ; P -8.8300,Plg8.0000°,Azm154.0000° $M_0$9.24000×10^{13}
WEL XII 25 13 20 05.8–.90 45S–4.0 168E–4.0 102–7 3.5,3.5
¶631565476
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 29 09 19 38.5–.77 45S–4.0 167E–6.0 38–6 4.2,4.2
WEL XII 29 09 19 38.5 45.20S 167.13E 102 4.3W,4.2L **¶621661314**
WEL Event type se. Error ellipse: s-maj=8.0km s-min=5.0km az=117.5. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL Stations used: DCZ EAZ JCZ MLZ MSZ PYZ WHZ WKZ. STRIKE-SLIP FAULTING. Moment Tensor Solution. s8 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.05 $M_{\theta\theta}$0.68 $M_{\phi\phi}$-0.62 $M_{r\theta}$-1.40 $M_{\theta\phi}$-2.74 $M_{\phi r}$0.65 NP1:ϕ_s262.00000°,δ80.00000°,λ157.00000°. NP2:ϕ_s356.00000° ,δ68.00000°,λ11.00000°. Principal axes: T 3.4853,Plg23.0000°,Azm217.0000° ; N -0.6445,Plg65.0000°,Azm59.0000°; P -2.8408,Plg8.0000°,Azm311.0000° $M_0$3.21000×10^{15}

(163) Cook Strait.

ISC VII 18 18 11 51.7–.92 40.67S–.04 173.81E–.04 122–6 159 0-60
NEIC VII 18 18 11 52.2–.63 40.61S–.04 173.76E–.06 113–6 4.2b **¶620833394**
WEL VII 18 18 11 53.9–.72 41S–4.0 174E–4.0 92–8 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 30 00 36 42.6–1.3 40.48S–.03 174.99E–.03 56–8 153 0-6
NOU VII 30 00 36 41.8 40.38S 174.94E 1 3.8 **¶620968030**
WEL VII 30 00 36 42.6–.30 40S–3.0 175E–5.0 32–8 4.0L,3.9
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 04 15 51 20.9–.57 40.91S–.03 174.68E–.03 60–4 4.5b 291 0-164
IDC VIII 04 15 51 11.9–.69 40.53S 174.95E 0 4.2b,4.2 **¶620969508**
NOU VIII 04 15 51 20.1 40.99S 174.71E 66 4.5,4.2
NEIC VIII 04 15 51 21.1 40.83S 174.65E 45 4.5,4.2
WEL VIII 04 15 51 21.4 40.88S 174.61E 54 4.6L,4.3W
WEL VIII 04 15 51 21.4–.34 41S–4.0 175E–4.0 33–6 4.7L,4.6
NEIC VIII 04 15 51 21.1–1.6 40.83S–.03 174.65E–.03 45–5 4.6b,4.2
ISC Event type se.
NOU Cook Strait, New Zealand.
NEIC Event type se.
WEL Stations used: BFZ KHEZ KHZ MRZ NNZ OTVZ QRZ TRVZ TSZ VRZ WEL WHVZ. NORMAL FAULTING. Moment Tensor Solution. s12 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.49 $M_{\theta\theta}$2.73 $M_{\phi\phi}$-0.25 $M_{r\theta}$-0.74 $M_{\theta\phi}$0.72 $M_{\phi r}$-1.15 NP1:ϕ_s58.00000°,δ58.00000° ,λ-113.00000°. NP2:ϕ_s277.00000°,δ38.00000°,λ-58.00000°. Principal axes: T 3.0814,Plg10.0000°,Azm164.0000°; N -0.0808,Plg19.0000°,Azm71.0000° ; P -3.0006,Plg68.0000°,Azm281.0000° $M_0$3.04000×10^{15}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.19 $M_{\theta\theta}$2.15 $M_{\phi\phi}$0.04 $M_{r\theta}$-1.37 $M_{\theta\phi}$0.19 $M_{\phi r}$-0.86 NP1:ϕ_s69.81000°,δ63.35000°,λ-103.43000°. NP2:ϕ_s277.84000°,δ29.62000° ,λ-65.17000°. Principal axes: T 2.6202,Plg17.0000°,Azm170.0000°; N 0.1811,Plg12.0000° ,Azm76.0000°; P -2.8013,Plg69.0000°,Azm313.0000° $M_0$2.72000×10^{15}
WEL VIII 08 15 03 21.6–.45 42S–2.0 174E–2.0 11–3 3.7,3.7
¶626188119
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 08 15 40 08.2–.24 42S–2.0 174E–2.0 11–2 3.6,3.4L
¶626188121
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 12 01 55 00.9–.36 40.25S–.03 173.49E–.03 167–3 4.6b 410 1-178
IDC X 12 01 54 57.9–.97 40.26S 173.53E 140–9 4.8,4.3b **¶621630050**
NOU X 12 01 54 59.0 40.23S 173.55E 177 5.3,4.3b
GFZ X 12 01 55 00.8–.21 40S–3.0 174E–3.0 164 6.2b,5.9
NEIC X 12 01 55 01.1–1.4 40.21S–.05 173.48E–.07 164–5 4.8b,5.9
WEL X 12 01 55 02.5–.92 40S–4.0 173E–7.0 150–6 5.3,5.1L
WEL X 12 01 55 02.6 40.24S 173.49E 150 5.1L,4.8W
ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=8.3km az=123.0.
NOU Cook Strait, New Zealand.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=2.7km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=102.8. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL Stations used: BFZ BKZ DSZ GVZ HIZ INZ KHEZ KHZ LTZ MRZ NNZ NTVZ. OBLIQUE FAULTING. Moment Tensor Solution. s23 Moment tensor: Scale 10^{16}Nm; M_{rr}0.30 $M_{\theta\theta}$1.10 $M_{\phi\phi}$-1.40 $M_{r\theta}$1.50 $M_{\theta\phi}$0.60 $M_{\phi r}$-0.81 NP1:ϕ_s125.00000°,δ85.00000°,λ51.00000°. NP2: ϕ_s28.00000°,δ39.00000°,λ172.00000°. Principal axes: T 2.2533,Plg38.0000°,Azm0.0000° ; N -0.0861,Plg39.0000°,Azm129.0000°; P -2.1673,Plg29.0000°,Azm245.0000° $M_0$2.21000×10^{16}
ISC IX 27 18 34 15.1–1.2 40.05S–.02 174.39E–.02 27–13 140 1-7
WEL IX 27 18 34 14.5–.29 40S–2.0 174E–3.0 12 3.8L,3.6 **¶621309665**
NOU IX 27 18 34 15.4 40.00S 174.38E 28 3.4,3.6
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=3.6km s-min=2.5km az=60.3. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC VIII 28 00 52 15.1–.60 40.88S–.03 173.83E–.03 103–5 4.0b 162 0-152
NEIC VIII 28 00 52 14.3–.60 40.73S–.09 173.84E–.05 95–8 4.1b **¶621009741**
WEL VIII 28 00 52 15.9–.60 41S–4.0 174E–4.0 79–6 4.1L,4.0
IDC VIII 28 00 52 38.1–18 40.67S 173.03E 307–151 3.9,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=2.4km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=149.6. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=136.9km s-min=17.2km az=57.0.
WEL IX 14 07 32 20.9–1.1 41S–6.0 173E–8.0 146–9 4.0L,3.9
¶626494195
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 14 09 50 15.8–1.6 40.04S–.05 173.68E–.05 233–10 195 1-7
NOU IX 14 09 50 17.4 40.10S 173.77E 219 4.3 **¶621076723**
WEL IX 14 09 50 19.5–1.2 40S–9.0 174E–9.0 205–8 4.4,4.4
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 17 08 40 50.8–.41 40S–2.0 174E–3.0 33–7 3.7L,3.7
¶626703929
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 09 15 24 29.0–.57 41.74S–.02 174.18E–.02 18 4.1b 218 0-151
IDC XII 09 15 24 27.2–.98 41.56S 173.93E 0 3.8b,3.8 **¶621625221**
WEL XII 09 15 24 29.9–.31 42S–2.0 174E–3.0 12 4.1,4.1
NEIC XII 09 15 24 29.7–2.3 41.75S–.03 174.17E–.03 25–6 4.2b,4.1
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 02 04 19.8–.67 40.09S–.03 174.03E–.04 165–5 4.2b 238 1-69
NOU XI 09 02 04 19.1 40.09S 174.08E 159 4.3 **¶621385736**
NEIC XI 09 02 04 19.5–1.7 40.09S–.05 173.99E–.08 170–7 4.2b
WEL XI 09 02 04 22.3 40.08S 174.03E 156 4.3L,4.0W
IDC XI 09 02 04 44.8–13 39.73S 174.04E 429–181 4.3,3.5b
ISC Event type se.
NOU Cook Strait, New Zealand.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=2.7km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Stations used: HIZ KHEZ MRZ NNZ NTVZ OTVZ QRZ TRVZ. OBLIQUE FAULTING. Moment Tensor Solution. s8 Moment tensor: Scale 10^{15}Nm; M_{rr}0.15 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-0.32 $M_{r\theta}$0.79 $M_{\theta\phi}$-0.15 $M_{\phi r}$-0.82 NP1:ϕ_s140.00000°,δ88.00000°,λ77.00000°. NP2:ϕ_s43.00000° ,δ13.00000°,λ173.00000°. Principal axes: T 1.2603,Plg45.0000°,Azm36.0000° ; N -0.1927,Plg13.0000°,Azm140.0000°; P -1.0676,Plg42.0000°,Azm242.0000° $M_0$1.18000×10^{15}

IDC Error ellipse: s-maj=35.2km s-min=22.5km az=5.0.
WEL XI 22 04 57 17.6–.49 40S–2.0 175E–3.0 20–6 3.5L,3.5
¶635648601
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 25 05 14 17.7–1.4 40.34S–.03 174.06E–.04 139–9 158 0-8
NOU XI 25 05 14 20.0 40.33S 174.09E 113 3.6 **¶621823464**
WEL XI 25 05 14 21.5–.87 40S–4.0 174E–5.0 103–8 4.0L,3.9
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 07 03 16 44.9–.25 40.36S–.03 173.44E–.03 217–1 5.1b 812 1-178
BJI XI 07 03 16 42.4 40.32S 174.14E 220 5.6b,5.2b **¶621883490**
NOU XI 07 03 16 43.8 40.42S 173.54E 207 5.1b,5.2b
GFZ XI 07 03 16 45.0–.24 40S–3.0 173E–4.0 206–3 5.4b,5.1b
IDC XI 07 03 16 44.9–.34 40.24S 173.51E 218–2 5.2,4.7b
GFZ XI 07 03 16 44.9 40.32S 173.41E 215 5.2W,4.7b
NEIC XI 07 03 16 45.5 40.33S 173.56E 210 5.2,4.7b
NEIC XI 07 03 16 45 40.33S 173.43E 213 5.2,4.7b
NEIC XI 07 03 16 45.4–2.6 40.32S–.06 173.45E–.08 219–4 5.0b,4.7b
GCMT XI 07 03 16 46.4–.20 40.32S–.01 173.40E–.02 210–1 5.2W,4.7b
WEL XI 07 03 16 46.9 40.32S 173.42E 206 5.5L,5.1W
ISC Event type se.
NOU Cook Strait, New Zealand.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=11.0km s-min=8.1km az=45.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.51 $M_{\theta\theta}$4.37 $M_{\phi\phi}$-3.86 $M_{r\theta}$4.11 $M_{\theta\phi}$0.36 $M_{\phi r}$3.50 NP1: ϕ_s133.00359°,δ36.99228°,λ-4.23947°. NP2:ϕ_s226.39196°,δ87.45056°,λ-126.91686°. Principal axes: T 7.1272,Plg32.2304°,Azm346.5307°; N -0.6719,Plg36.8743°,Azm228.3060° ; P -6.4553,Plg36.6004°,Azm104.4507° $M_0$6.81611×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88 $M_{\theta\theta}$4.16 $M_{\phi\phi}$-3.28 $M_{r\theta}$3.23 $M_{\theta\phi}$1.85 $M_{\phi r}$4.67 NP1:ϕ_s119.67000°,δ35.76000° ,λ-7.56000°. NP2:ϕ_s215.81000°,δ85.59000°,λ-125.53000°. Principal axes: T 7.2195,Plg31.0000°,Azm335.0000°; N -0.2937,Plg35.0000°,Azm219.0000° ; P -6.9258,Plg39.0000°,Azm94.0000° $M_0$7.08000×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=8.2km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111070316A. Moment Tensor Solution. s81,c115; s114,c167;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.71±.16 $M_{\theta\theta}$4.45±.21; $M_{\phi\phi}$-2.75±.20; $M_{r\theta}$4.04±.15; $M_{\theta\phi}$1.64±.17; $M_{\phi r}$5.81±.15; Best double couple: NP1: ϕ_s116.00000°,δ29.00000°,λ-14.00000°. NP2:ϕ_s219.00000°,δ83.00000°,λ-118.00000°. Principal axes: T 8.2150,Plg32.0000°,Azm332.0000°; N 0.0410,Plg28.0000°,Azm222.0000° ; P -8.2670,Plg45.0000°,Azm101.0000° $M_0$8.24100×10^{16}
WEL Stations used: BFZ BKZ GVZ HIZ KHEZ KHZ LTZ MRZ NNZ NTVZ OTVZ PXZ. OBLIQUE FAULTING. Moment Tensor Solution. s18 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.14 $M_{\theta\theta}$2.91 $M_{\phi\phi}$-1.77 $M_{r\theta}$3.43 $M_{\theta\phi}$0.52 $M_{\phi r}$3.95 NP1:ϕ_s224.00000°,δ84.00000°,λ-114.00000°. NP2: ϕ_s121.00000°,δ25.00000°,λ-14.00000°. Principal axes: T 5.7740,Plg35.0000°,Azm335.0000° ; N 0.1265,Plg24.0000°,Azm227.0000°; P -5.9005,Plg46.0000°,Azm110.0000° $M_0$5.84000×10^{16}
WEL XII 26 05 23 43.7–.52 42S–2.0 174E–3.0 5–4 3.7,3.6L
¶631565517
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 28 15 56 37.7–.73 41.72S–.02 174.26E–.02 10–4 4.5b 208 0-150
IDC XII 28 15 56 37.1–1.5 41.49S 173.93E 0 3.9b,3.9 **¶621655829**
NEIC XII 28 15 56 37.8–1.2 41.75S–.04 174.20E–.01 10–6 4.5b,3.9
WEL XII 28 15 56 38.5 41.69S 174.22E 11 4.3L,3.8W
WEL XII 28 15 56 38.5–.43 42S–2.0 174E–2.0 5–3 4.3,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Stations used: DSZ GVZ KHZ LTZ MRZ NNZ QRZ THZ WEL. REVERSE FAULTING. Moment Tensor Solution. s9 Moment tensor: Scale 10^{14}Nm; M_{rr}3.62 $M_{\theta\theta}$-3.75 $M_{\phi\phi}$0.13 $M_{r\theta}$-0.65 $M_{\theta\phi}$-2.81 $M_{\phi r}$-4.89 NP1:ϕ_s208.00000°,δ71.00000°,λ58.00000°. NP2:ϕ_s91.00000° ,δ37.00000°,λ147.00000°. Principal axes: T 7.1870,Plg53.0000°,Azm80.0000° ; N -0.9190,Plg30.0000°,Azm220.0000°; P -6.2680,Plg20.0000°,Azm322.0000° $M_0$6.77000×10^{14}
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 28 16 40 47.2–.76 41.69S–.03 174.22E–.02 10–4 49 0-48
NEIC XII 28 16 40 47.6–.70 41.67S–.02 174.21E–.01 10–1 4.5b **¶621655832**
WEL XII 28 16 40 47.5–.63 42S–2.0 174E–4.0 6–5 2.5L,2.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

(164) Off east coast of South Island.

WEL VII 11 06 02 34.8–.81 43S–6.0 179E–6.0 33 4.7,4.7
¶620787427
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 02 20 13 54.3–1.2 43S–7.0 176E–11 33 3.8,3.8
¶626465791
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

(167) Macquarie Island region.

ISC VII 29 05 00 54.2–.58 53.87S–.04 158.86E–.05 10–3 5.1b,4.7s 445 1-169
IDC VII 29 05 00 54.7–.72 54.10S 157.23E 0 4.8b,4.8 **¶620857934**
NEIC VII 29 05 00 54.5–1.1 53.93S–.04 158.7E–.20 10–1 5.4,5.3b
GFZ VII 29 05 00 55.5–.22 54S–3.0 158E–4.0 10 5.0b,5.0
MOS VII 29 05 00 56.9–2.0 54.01S 157.15E 12 5.2b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=12.2km az=67.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=6.0km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=32.5km s-min=9.9km az=104.6.
ISC VIII 14 20 25 17.6–.76 53.35S–.07 159.5E–.10 10 4.0b,3.6s 19 1-82
IDC VIII 14 20 25 15.4–3.3 53.03S 160.31E 0 4.0b,4.0 **¶621013553**
NEIC VIII 14 20 25 17.3–2.3 53.47S–.05 159.5E–.30 10–6 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 08 22 19 10.3–.86 59.67S–.04 159.62E–.07 7–5 5.0s,4.9b 351 5-163
GFZ VIII 08 22 19 10.0 59.71S 159.26E 22 5.6W,4.9b **¶620976452**
IDC VIII 08 22 19 09.6–.60 59.82S 159.23E 0 4.8s,4.6b
GFZ VIII 08 22 19 10.0–.20 60S–3.0 159E–5.0 10 4.9b,4.9
NEIC VIII 08 22 19 10.9 59.80S 159.60E 10 4.9b,4.9
NEIC VIII 08 22 19 11.1–1.6 59.79S–.09 159.6E–.30 10–1 5.5,5.5
GCMT VIII 08 22 19 15.7–.10 59.72S 159.56E 23–0 5.7W,5.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09 $M_{\theta\theta}$-2.11 $M_{\phi\phi}$2.19 $M_{r\theta}$-0.20 $M_{\theta\phi}$2.56 $M_{\phi r}$-0.19 NP1: ϕ_s159.92169°,δ85.84040°,λ178.30441°. NP2:ϕ_s250.04472°,δ88.30888°,λ4.16141°. Principal axes: T 3.4040,Plg4.1379°,Azm115.0464°; N -0.1016,Plg85.5086°,Azm272.1226° ; P -3.3024,Plg1.7433°,Azm24.9203° $M_0$3.35434×10^{17}
IDC Error ellipse: s-maj=33.5km s-min=14.8km az=73.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=15.6km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.36 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$0.84 $M_{r\theta}$0.84 $M_{\theta\phi}$2.24 $M_{\phi r}$0.41 NP1:ϕ_s346.41000°,δ69.02000°,λ172.05000°. NP2:ϕ_s79.27000°,δ82.58000° ,λ21.17000°. Principal axes: T 2.5740,Plg20.0000°,Azm305.0000°; N 0.1502,Plg68.0000° ,Azm98.0000°; P -2.7243,Plg9.0000°,Azm211.0000° $M_0$2.65000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108082219A. Moment Tensor Solution. s144,c282; s164,c322;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.03 $M_{\theta\theta}$-2.46±.03; $M_{\phi\phi}$2.62±.03; $M_{r\theta}$0.51±.05; $M_{\theta\phi}$2.79±.03; $M_{\phi r}$0.61±.06; Best double couple: NP1:ϕ_s338.00000° ,δ80.00000°,λ175.00000°. NP2:ϕ_s69.00000°,δ85.00000°,λ10.00000°. Principal axes: T 3.9930,Plg10.0000°,Azm294.0000°; N -0.2850,Plg79.0000°,Azm94.0000° ; P -3.7080,Plg4.0000°,Azm203.0000° $M_0$3.85000×10^{17}
IDC VIII 08 22 40 24.1–17 59.23S 161.68E 0 3.6b,3.6
¶621002150
IDC Error ellipse: s-maj=751.0km s-min=34.7km az=74.0.
ISC X 07 20 13 01.4–.44 58.83S–.03 158.58E–.04 12–2 5.8s,5.6b 1388 4-169
IDC X 07 20 12 59.6–.39 58.82S 158.44E 0 5.5s,5.2b **¶621134137**
BJI X 07 20 12 59.2 58.92S 158.35E 10 6.4b,5.8s
MOS X 07 20 13 00.3–1.1 58.71S 158.65E 10 5.7s,5.7b
GFZ X 07 20 13 01.9–.10 59S–2.0 158E–3.0 10 6.3b,6.0
GFZ X 07 20 13 01.9 58.92S 158.21E 25 5.8W,6.0
IPGP X 07 20 13 01.0 58.78S 158.45E 15 6.0W,6.0
NEIC X 07 20 13 01.2 58.76S 158.61E 10 6.0W,6.0
NEIC X 07 20 13 01.2 58.76S 158.61E 10 6.0W,6.0
NEIC X 07 20 13 01.2–2.0 58.76S–.07 158.6E–.20 10–1 5.9b,5.8
PTWC X 07 20 13 03 58.90S 158.40E 10 6.5,5.8
GCMT X 07 20 13 07.8–.10 58.87S 158.23E 19–0 6.0W,5.8
NEIC X 07 20 13 10.6 58.56S 159.38E 20 5.8,5.8
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=12.7km az=80.0.
MOS Error ellipse: s-maj=22.8km s-min=7.2km az=100.4.
GFZ Error ellipse: s-maj=6.8km s-min=4.2km az=64.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.67 $M_{\theta\theta}$-2.70 $M_{\phi\phi}$-2.97 $M_{r\theta}$0.08 $M_{\theta\phi}$2.42 $M_{\phi r}$1.99 NP1: ϕ_s125.37903°,δ38.98225°,λ71.08939°. NP2:ϕ_s329.16268°,δ53.47843°,λ104.69645°. Principal axes: T 6.1467,Plg76.0437°,Azm287.2192°; N -0.7043,Plg11.7639°,Azm140.2910° ; P -5.4423,Plg7.4029°,Azm48.7405° $M_0$5.82652×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s132.00000°,δ41.00000°,λ80.00000°. NP2:ϕ_s325.00000° ,δ50.00000°,λ98.00000°.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=12.5km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.85 $M_{\theta\theta}$-2.42 $M_{\phi\phi}$-2.43 $M_{r\theta}$0.74 $M_{\theta\phi}$3.27 $M_{\phi r}$2.81 NP1:ϕ_s338.49000°,δ57.86000°,λ118.95000°. NP2:ϕ_s112.37000°,δ42.19000° ,λ52.39000°. Principal axes: T 6.2080,Plg64.0000°,Azm300.0000°; N -0.2913,Plg24.0000° ,Azm142.0000°; P -5.9168,Plg8.0000°,Azm48.0000° $M_0$6.07000×10^{17}
PTWC MACQUARIE ISLAND REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110072013A. Moment Tensor Solution. s167,c371; s154,c566;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}1.21±.01 $M_{\theta\theta}$-0.52±.01; $M_{\phi\phi}$-0.69±.01; $M_{r\theta}$-0.00±.01; $M_{\theta\phi}$0.70±.01; $M_{\phi r}$0.14±.01; Best double couple: NP1:ϕ_s134.00000°,δ43.00000°,λ83.00000°. NP2:ϕ_s323.00000°,δ48.00000°,λ97.00000°. Principal axes: T 1.2230,Plg85.0000°,Azm292.0000°; N 0.0970,Plg5.0000°,Azm139.0000° ; P -1.3190,Plg2.0000°,Azm49.0000° $M_0$1.27100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; M_{rr}4.80 $M_{\theta\theta}$-2.63 $M_{\phi\phi}$-2.17 $M_{r\theta}$-2.99 $M_{\theta\phi}$2.44 $M_{\phi r}$4.81 NP1:ϕ_s121.33000°,δ21.51000° ,λ68.62000°. NP2:ϕ_s324.15000°,δ70.04000°,λ98.18000°. Principal axes: T 7.5143,Plg64.0000°,Azm247.0000°; N -0.1535,Plg8.0000°,Azm141.0000° ; P -7.3608,Plg25.0000°,Azm48.0000° $M_0$7.44000×10^{17}
ISC VIII 23 18 06 53.6–.59 53.85S–.07 159.2E–.10 10 4.4b,3.6s 31 1-154
IDC VIII 23 18 06 50.7–1.7 52.48S 162.14E 0 4.3b,4.3 **¶622451683**
NEIC VIII 23 18 06 53.8–2.1 53.88S–.05 159.2E–.20 10–1 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 09 11 54.3–.56 59.51S–.06 159.4E–.10 10 4.4b,4.1s 54 5-151
IDC IX 02 09 11 53.3–1.1 59.60S 159.05E 0 4.3b,4.3 **¶621022657**
NEIC IX 02 09 11 54.6–1.5 59.59S–.08 159.4E–.30 10–1 4.5b,4.3
GCMT IX 02 09 11 57.6–.20 59.67S–.01 159.50E–.02 27–0 5.2W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109020911A. Moment Tensor Solution. s71,c105; s120,c183;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.42±.18 $M_{\theta\theta}$-5.66±.16; $M_{\phi\phi}$5.24±.15; $M_{r\theta}$1.60±.28; $M_{\theta\phi}$5.08±.13; $M_{\phi r}$2.22±.33; Best double couple: NP1:ϕ_s335.00000° ,δ73.00000°,λ170.00000°. NP2:ϕ_s68.00000°,δ80.00000°,λ17.00000°. Principal axes: T 8.1540,Plg19.0000°,Azm292.0000°; N -0.4290,Plg70.0000°,Azm96.0000° ; P -7.7200,Plg5.0000°,Azm201.0000° $M_0$7.93700×10^{16}
ISC X 07 20 20 23.2–.69 58.69S–.07 159.2E–.20 10 4.2b 25 4-151
IDC X 07 20 20 22.1–2.7 58.75S 158.80E 0 4.2b,4.1 **¶621217240**
NEIC X 07 20 20 24.1–1.8 58.85S–.09 158.8E–.30 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 30 12 14 21.1–9.5 53.71S 159.27E 0
¶621395173
IDC Error ellipse: s-maj=34.0km s-min=14.5km az=33.0.
ISC X 08 00 22 44.5–.55 58.38S–.07 158.4E–.10 10 4.8b,3.6s 28 4-159
IDC X 08 00 22 43.3–7.5 58.37S 158.53E 0 4.0b,3.8 **¶621224612**
NEIC X 08 00 22 44.7–1.5 58.40S–.08 158.4E–.20 10–1 4.8b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 17 09 27 18.0–7.9 56.39S 157.91E 0 3.9,3.8b
¶621656928
IDC Error ellipse: s-maj=412.6km s-min=22.4km az=72.0.

(168) South of New Zealand.

ISC IX 14 09 59 38.5–1.3 60.44S–.09 175.7E–.40 10 3.7b,3.6s 22 14-90
IDC IX 14 09 59 34.3–4.1 60.39S 177.50E 0 3.8b,3.8 **¶621110834**
ISC Event type se.
IDC Error ellipse: s-maj=125.7km s-min=23.0km az=68.0.

SEISMIC REGION 12.
Kermadec-Tonga-Samoa Area.

(169) Samoa Islands region.

ISC VII 02 09 04 57.3–.65 15.0S–.20 173.74W–.08 10 4.2b,3.8s 20 2-146
NEIC VII 02 09 04 57.0–1.6 15.0S–.20 173.68W–.08 10–1 4.7b,3.8s **¶620927738**
IDC VII 02 09 04 57.7–.92 15.07S 173.96W 0 3.9b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=11.3km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.6km s-min=19.4km az=150.0.
ISC VII 02 15 44 51.9–1.1 14.8S–.30 173.3W–.20 10 4.2b,3.6s 6 2-146
IDC VII 02 15 44 52.4–1.1 15.18S 173.40W 0 4.1b,4.0 **¶620927758**
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=21.9km az=147.0.
IDC VII 05 15 08 38.8–1.4 14.71S 174.47W 0 3.7b,3.7
¶620927965

IDC Error ellipse: s-maj=81.9km s-min=17.1km az=162.0.
IDC VII 07 00 09 21.9–5.9 16.16S 172.95W 0 3.9b,3.9
¶620928070

IDC Error ellipse: s-maj=250.7km s-min=59.4km az=136.0.
ISC VII 09 18 18 47.7–2.0 16.2S–.20 172.5W–.40 24 4.4b 18 2-74
NEIC VII 09 18 18 45.7–1.4 16.34S–.05 172.3W–.20 10–1 4.4b **¶622450528**
IDC VII 09 18 19 02.3–26 17.08S 174.69W 0 4.1b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=8.0km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=493.3km s-min=162.4km az=73.0.
ISC VII 12 11 48 10.4–.64 16.80S–.09 172.7W–.10 17 4.5b 36 3-148
IDC VII 12 11 48 07.9–.81 17.06S 172.82W 0 3.9b,3.9 **¶620928488**
NEIC VII 12 11 48 08.6–.89 16.8S–.10 172.5W–.10 10–1 4.7b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 14 21 04 56.0–47 15.87S 172.52W 0 4.0b,4.0
¶620928615

IDC Error ellipse: s-maj=907.7km s-min=190.4km az=79.0.
ISC VII 19 16 58 29.0–.62 15.08S–.09 172.1W–.10 10 4.4b,3.7s 51 1-147
IDC VII 19 16 58 27.4–.88 15.37S 172.06W 0 4.1b,4.1 **¶620928882**
NEIC VII 19 16 58 29.5–1.2 15.20S–.10 172.1W–.10 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 21 08 50 06.6–1.3 12.24S 173.74W 0 3.7L,3.6
¶620961645

IDC Error ellipse: s-maj=38.0km s-min=18.4km az=30.0.
IDC VII 25 17 47 06.1–2.9 14.92S 173.96W 0 3.6b,3.5
¶620973783

IDC Error ellipse: s-maj=446.2km s-min=16.4km az=157.0.
ISC VII 24 05 11 52.1–.49 15.47S–.07 171.49W–.07 10 4.5b,3.5s 48 2-149
IDC VII 24 05 11 51.9–.68 15.54S 171.79W 0 4.2,4.1b **¶620970198**
NEIC VII 24 05 11 53.0–2.1 15.47S–.07 171.6W–.10 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 14 23 33 52.4–56 15.44S 171.33W 0 4.0b,4.0
¶621013581

IDC Error ellipse: s-maj=1101.0km s-min=222.1km az=79.0.
ISC VIII 03 10 18 10.2–.91 14.8S–.20 173.7W–.20 30 4.3s,3.9b 11 2-146
IDC VIII 03 10 18 05.2–.84 14.85S 173.57W 0 4.2s,3.8b **¶620995871**
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=16.8km az=150.0.
IDC IX 12 11 35 39.7–1.6 15.00S 174.46W 0 4.2L,4.0
¶621109651

IDC Error ellipse: s-maj=150.5km s-min=20.0km az=160.0.
ISC IX 08 09 42 47.7–.45 15.84S–.07 172.49W–.07 24 4.7b,3.8s 42 2-154
IDC IX 08 09 42 44.9–.53 15.86S 172.88W 0 4.4b,4.4 **¶621105775**
NEIC IX 08 09 42 46.2–2.0 15.83S–.10 172.7W–.10 10–1 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 17 08 55.3–.33 15.36S–.07 172.98W–.06 29 4.9b,4.1s 180 2-174
NEIC VIII 28 17 08 52.9–2.2 15.3S–.10 173.1W–.10 10–1 4.9b,4.1s **¶621073123**
IDC VIII 28 17 08 52.4–.47 15.39S 173.29W 0 4.5,4.4b
GCMT VIII 28 17 09 00.0–.50 15.37S–.04 172.88W–.03 32–1 4.9W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110828708A. Moment Tensor Solution. s30,c34; s57,c72; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.75±.19 $M_{\theta\theta}$0.19±.17; $M_{\phi\phi}$1.56±.14; $M_{r\theta}$0.44±.16; $M_{\theta\phi}$-1.86±.09; $M_{\phi r}$0.86±.13; Best double couple: NP1:ϕ_s295.00000°,δ49.00000° ,λ-137.00000°. NP2:ϕ_s174.00000°,δ59.00000°,λ-50.00000°. Principal axes:
T 2.9040,Plg6.0000°,Azm236.0000°; N -0.5380,Plg34.0000°,Azm330.0000°
; P -2.3680,Plg56.0000°,Azm138.0000° $M_0$2.63600×10^{16}
ISC X 02 03 22 10.9–.96 14.9S–.30 173.2W–.20 10 3.7b 8 2-146
IDC X 02 03 22 10.0–.91 14.92S 173.44W 0 3.9b,3.9 **¶621186044**
ISC Event type se.
IDC Error ellipse: s-maj=43.2km s-min=20.0km az=146.0.
IDC IX 30 20 43 08.4–1.1 14.88S 173.55W 0 4.0b,4.0
¶621147789

IDC Error ellipse: s-maj=49.4km s-min=21.0km az=150.0.
ISC X 02 03 44 30.7–.91 15.0S–.30 173.3W–.20 10 3.8b 9 2-146
IDC X 02 03 44 29.6–.83 15.11S 173.38W 0 3.8b,3.8 **¶621186045**
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=18.2km az=146.0.
ISC X 02 04 24 30.6–.25 14.95S–.05 173.19W–.04 10 5.5s,5.1b 554 2-158
NEIC X 02 04 24 29.7 14.61S 173.30W 20 5.5s,5.1b **¶621116400**
BJI X 02 04 24 29.8 14.85S 173.46W 6 5.8b,5.5s
NEIC X 02 04 24 29.7–2.4 14.6S–.10 173.30W–.07 20–5 5.5,5.2b
IDC X 02 04 24 29.7–.44 14.97S 173.26W 0 5.3s,4.8b
MOS X 02 04 24 30.8–1.7 15.07S 173.59W 10 5.5b,5.4s
NOU X 02 04 24 31.3 15.00S 173.05W 36 4.9b,5.4s
GFZ X 02 04 24 32.0–.13 15S–4.0 173W–3.0 10 6.0b,5.7
GCMT X 02 04 24 36.7–.10 14.87S–.01 173.24W 12 5.7W,5.7
NEIC X 02 04 24 40 14.61S 173.10W 30 5.8,5.7
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=7.5km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=15.4km az=85.0.
MOS Error ellipse: s-maj=10.0km s-min=8.6km az=68.1.
NOU Tonga Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110020424A. Moment Tensor Solution.
s136,c271; s163,c449;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.48±.02 $M_{\theta\theta}$1.63±.02; $M_{\phi\phi}$-2.12±.02; $M_{r\theta}$0.46±.06; $M_{\theta\phi}$2.10±.02; $M_{\phi r}$2.76±.05; Best double couple: NP1:ϕ_s110.00000°,δ44.00000°,λ5.00000°. NP2:ϕ_s17.00000°,δ87.00000°,λ134.00000°. Principal axes: T 3.6070,Plg33.0000°,Azm323.0000°; N 0.6740,Plg44.0000°,Azm193.0000° ; P -4.2890,Plg28.0000°,Azm73.0000° $M_0$3.94800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$4.58 $M_{\phi\phi}$-4.09 $M_{r\theta}$-0.63 $M_{\theta\phi}$3.15 $M_{\phi r}$-0.45 NP1:ϕ_s297.20000°,δ83.09000° ,λ2.72000°. NP2:ϕ_s206.87000°,δ87.30000°,λ173.08000°. Principal axes:
T 5.6903,Plg7.0000°,Azm162.0000°; N -0.5689,Plg83.0000°,Azm6.0000°
; P -5.1214,Plg3.0000°,Azm252.0000° $M_0$5.43000×10^{17}
ISC X 02 01 45 52.5–.46 14.8S–.10 173.20W–.07 10 4.3b,4.2s 71 2-153
NEIC X 02 01 45 51.1–2.6 14.9S–.20 173.1W–.10 10–1 4.6b,4.2s **¶621186039**
IDC X 02 01 45 52.0–.59 15.17S 173.49W 0 4.2b,4.2
GCMT X 02 01 45 59.6–.30 14.85S–.02 173.26W–.02 12 4.8W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110020145A. Moment Tensor Solution. s13,c17; s98,c122; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.22±.07 $M_{\theta\theta}$1.17±.07; $M_{\phi\phi}$-1.38±.06; $M_{r\theta}$0.84±.22; $M_{\theta\phi}$1.21±.06; $M_{\phi r}$1.38±.18; Best double couple: NP1:ϕ_s116.00000°,δ48.00000° ,λ6.00000°. NP2:ϕ_s22.00000°,δ85.00000°,λ138.00000°. Principal axes:
T 2.4740,Plg32.0000°,Azm330.0000°; N -0.1580,Plg48.0000°,Azm197.0000°
; P -2.3100,Plg25.0000°,Azm77.0000° $M_0$2.39200×10^{16}
ISC X 18 23 55 30.4–.83 14.9S–.30 173.2W–.20 10 3.6b,3.5s 9 2-93
IDC X 18 23 55 29.2–.80 14.91S 173.43W 0 3.7b,3.7 **¶621244052**
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=18.1km az=143.0.
IDC X 02 02 24 17.9–6.1 15.68S 172.93W 0 4.2b,4.2
¶621186041

IDC Error ellipse: s-maj=274.0km s-min=22.9km az=138.0.
IDC X 04 09 42 46.9–.77 14.83S 173.65W 0 4.0b,4.0
¶621203113

IDC Error ellipse: s-maj=41.7km s-min=17.8km az=150.0.
ISC X 02 05 15 41.8–.56 14.8S–.10 173.07W–.08 10 4.1b,3.9s 26 2-146
NEIC X 02 05 15 40.5–1.3 14.7S–.10 173.1W–.10 10–1 4.4b,3.9s **¶621186047**
IDC X 02 05 15 41.2–.67 15.05S 173.42W 0 4.0s,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=8.7km az=319.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.7km s-min=16.9km az=136.0.
ISC X 28 22 37 51.7–.48 16.18S–.09 172.79W–.08 10 4.5b,3.8s 62 2-149
IDC X 28 22 37 50.6–.60 16.07S 172.78W 0 4.1b,4.1 **¶621243324**
NEIC X 28 22 37 52.4–2.0 16.2S–.10 172.83W–.09 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 21 03 37 20.6–.51 16.87S–.08 172.7W–.10 17 4.7b,3.4s 59 3-150
IDC X 21 03 37 18.6–.71 17.20S 172.66W 0 4.1L,4.1 **¶621229651**
NEIC X 21 03 37 20.1–1.4 16.90S–.10 172.6W–.10 10–1 4.8b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 12 07 53 12.3–8.9 16.47S 171.65W 0 3.4b,3.4
¶621460201

IDC Error ellipse: s-maj=435.4km s-min=69.1km az=143.0.
ISC XI 20 01 30 47.7–.74 15.52S–.09 172.4W–.10 10 4.3b,3.5s 25 2-165
NEIC XI 20 01 30 47.7–1.8 15.6S–.10 172.4W–.10 10–1 4.3b,3.5s **¶621590329**
IDC XI 20 01 30 49.9–.91 15.26S 173.25W 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=7.5km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.7km s-min=18.6km az=141.0.
ISC XII 05 19 29 35.2–.48 15.46S–.08 172.91W–.07 29 4.3b 38 2-147
NEIC XII 05 19 29 33.9–1.8 15.45S–.05 172.9W–.10 10–1 4.4b **¶621631271**
IDC XII 05 19 29 35.0–.84 15.39S 173.25W 0 4.0,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=8.0km az=256.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.4km s-min=16.8km az=153.0.
IDC XI 20 09 09 41.9–4.5 14.99S 175.31W 0 4.1b,4.1
¶621590347

IDC Error ellipse: s-maj=308.1km s-min=52.4km az=150.0.
IDC XI 29 18 27 29.5–1.3 14.52S 174.99W 0 4.0b,4.0
¶621626986

IDC Error ellipse: s-maj=89.3km s-min=16.5km az=167.0.
ISC XII 13 01 40 10.9–4.0 15S–1.0 173.0W–.80 35 3.7b 8 2-146
IDC XII 13 01 40 07.9–1.9 14.72S 173.58W 0 3.6b,3.6 **¶621650544**
ISC Event type se.
IDC Error ellipse: s-maj=96.7km s-min=21.7km az=154.0.
ISC XII 11 04 23 04.3–1.0 15.7S–.10 172.3W–.20 10 4.1b,3.4s 23 2-147
IDC XII 11 04 23 01.9–.74 15.88S 172.18W 0 4.0,3.9b **¶621644167**
NEIC XII 11 04 23 03.1–1.0 15.95S–.05 171.9W–.10 10–1 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 29 19 03 52.7–6.8 15.96S 171.36W 390–35 3.9,3.3b
¶621724241

IDC Error ellipse: s-maj=176.8km s-min=33.0km az=138.0.
ISC XII 26 06 13 41.1–1.3 14.9S–.40 175.3W–.20 250 3.3b 9 4-145
IDC XII 26 06 13 40.8–1.8 14.92S 175.24W 247–26 3.7,3.1b **¶621700198**
ISC Event type se.
IDC Error ellipse: s-maj=99.3km s-min=16.4km az=151.0.

(170) Samoa Islands.

IDC XI 26 02 00 03.6–8.6 14.86S 170.78W 0 3.8s,3.7b
¶621621978

IDC Error ellipse: s-maj=375.4km s-min=37.6km az=138.0.

(171) South of Fiji Islands.

ISC VII 01 02 19 02.1–.63 24.3S–.10 180.0E–.10 517 4.2b 52 7-151
IDC VII 01 02 19 03.5–1.9 24.27S 179.86E 530–20 4.4,3.5b **¶620927651**
NEIC VII 01 02 19 03.1–1.5 24.3S–.10 180.0E–.20 522–9 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 01 02 37 09.9–1.6 23.0S–.10 177.0W–.20 167 4.4b 30 7-146
IDC VII 01 02 37 13.3–24 22.70S 176.88W 222–158 4.1,3.6b **¶620927654**
NEIC VII 01 02 37 13.0–1.0 23.0S–.20 177.1W–.30 184–16 4.5b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 01 08 00 00.7–1.1 22.3S–.10 179.5W–.20 600 4.2b 21 5-78
NEIC VII 01 08 00 00.0–.61 22.3S–.10 179.46W–.10 590–13 4.1b **¶620927658**
IDC VII 01 08 00 00.5–2.4 21.85S 179.43W 624–50 4.3,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=12.7km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=83.3km s-min=36.1km az=21.0.
IDC VII 02 12 25 52.8–2.4 22.28S 178.16W 0 3.6b,3.6
¶620927748

IDC Error ellipse: s-maj=70.0km s-min=41.5km az=33.0.
ISC VII 03 15 09 34.3–2.1 23.9S–.20 179.9E–.30 500 3.7b 34 6-145
IDC VII 03 15 08 34.2–3.0 22.69S 178.23W 0 3.9b,3.9 **¶620927814**
ISC Event type se.
IDC Error ellipse: s-maj=86.0km s-min=39.8km az=31.0.
ISC VII 04 04 39 15.9–.36 22.87S–.06 179.24E–.07 576 4.3b 227 5-163
GFZ VII 04 04 39 15.3–.48 23S–4.0 179E–6.0 578–7 4.3b,4.3 **¶621112197**
NEIC VII 04 04 39 16.9–1.3 22.8S–.10 179.2E–.10 576–8 4.4b,4.3
IDC VII 04 04 39 16.7–1.5 22.71S 179.16E 577–17 4.2,3.3b
ISC Event type se.
GFZ Error ellipse: s-maj=13.9km s-min=7.9km az=72.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=14.9km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=12.2km az=153.0.
IDC VII 04 09 54 26.8–1.4 25.01S 177.01W 0 4.4L,3.9
¶620927867

IDC Error ellipse: s-maj=37.7km s-min=30.9km az=33.0.
ISC VII 04 13 35 49.3–.45 23.97S–.07 179.87E–.10 526 3.9b 69 6-151
IDC VII 04 13 35 48.9–1.7 23.90S 179.71E 514–18 3.8,3.0b **¶620927881**
NEIC VII 04 13 35 49.4–1.1 23.9S–.10 179.9E–.10 525–7 4.4b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 04 16 42 12.9–6.4 23.34S 177.57W 0 3.9b,3.9
¶620927888

IDC Error ellipse: s-maj=291.6km s-min=57.5km az=151.0.
ISC VII 05 16 40 48.3–.50 24.91S–.08 178.73E–.10 550 4.4b 70 7-151
NEIC VII 05 16 40 48.1–1.1 25.0S–.10 178.8E–.10 546–4 4.7b **¶620927974**
IDC VII 05 16 40 50.7–2.1 24.83S 178.58E 573–24 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=15.0km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=20.3km s-min=17.6km az=107.0.
ISC VII 05 18 47 23.3–.37 24.09S–.04 178.87E–.04 550–3 4.9b 794 6-169
BGR VII 05 18 46 21.6 25.14S 179.87E 33 4.9b **¶620734229**
NEIC VII 05 18 47 23.7–1.9 24.13S–.09 178.8E–.10 549–5 4.9b
GFZ VII 05 18 47 23.3–.17 24S–4.0 179E–3.0 538 4.9,4.9b
NOU VII 05 18 47 23.4 24.12S 178.89E 553 5.0b,4.9b
IDC VII 05 18 47 23.9–.90 24.06S 178.70E 546–8 4.9,4.0b
GCMT VII 05 18 47 27.2–.50 24.18S–.06 178.63E–.06 548–4 5.2W,4.0b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202107051847A. Moment Tensor Solution. s49,c51;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.51±.04 $M_{\theta\theta}$0.32±.09; $M_{\phi\phi}$0.18±.08; $M_{r\theta}$-0.47±.10; $M_{\theta\phi}$0.14±.07; $M_{\phi r}$0.78±.08; Best double couple: NP1:ϕ_s331.00000°,δ9.00000°,λ-88.00000°. NP2:ϕ_s149.00000°,δ81.00000°,λ-90.00000°. Principal axes: T 0.7540,Plg36.0000°,Azm239.0000°; N 0.4100,Plg0.0000°,Azm149.0000°; P -1.1650,Plg54.0000°,Azm58.0000° $M_0$0.95900×10^{17}
ISC VII 05 21 55 05.5–.48 22.15S–.09 179.65W–.09 592 4.2b 74 5-151
NEIC VII 05 21 55 04.8–1.9 22.2S–.10 179.5W–.10 581–8 4.3b **¶620927990**
IDC VII 05 21 55 08.3–4.8 22.08S 179.78W 622–57 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=15.6km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.5km s-min=17.7km az=73.0.
IDC VII 05 22 23 27.1–14 21.39S 178.97E 590–145 3.9,3.0b
¶620927993
IDC Error ellipse: s-maj=392.7km s-min=101.7km az=90.0.
ISC VII 07 06 39 09.0–.22 23.24S–.03 179.72E–.03 543–2 5.3b 1526 6-170
BGR VII 07 06 38 08.5 23.97S 179.22W 33 5.3b **¶620757424**
NEIC VII 07 06 39 08.9 23.25S 179.68E 537 5.3b
IPGP VII 07 06 39 08.0 23.20S 179.64E 551 6.0W
PTWC VII 07 06 39 08 23.20S 179.90E 556 5.7
MOS VII 07 06 39 08.4–.85 23.24S 179.60E 537 5.4b
NEIC VII 07 06 39 08.5–2.5 23.29S–.05 179.67E–.08 531–3 5.9,5.2b
GFZ VII 07 06 39 08.9–.32 23S–2.0 180E–2.0 532–3 5.4b,5.3
GFZ VII 07 06 39 08.6 23.22S 179.59E 546 5.9W,5.3
NEIC VII 07 06 39 09.6 23.20S 179.68E 543 5.9W,5.3
IDC VII 07 06 39 09.4–.37 23.23S 179.58E 541–3 5.6,4.8b
NOU VII 07 06 39 09.3 23.32S 179.64E 545 5.4b,4.8b
GCMT VII 07 06 39 14.1–.10 23.35S–.01 179.78E–.01 556–0 5.9W,4.8b
NEIC VII 07 06 39 14 23.10S 179.90E 550 5.9,4.8b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s95.00000°,δ77.00000°,λ-164.00000°. NP2:ϕ_s1.00000°,δ75.00000°,λ-13.00000°.
MOS Error ellipse: s-maj=8.9km s-min=7.4km az=114.6.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.0km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.10 $M_{\theta\theta}$0.29 $M_{\phi\phi}$0.40 $M_{r\theta}$-0.37 $M_{\theta\phi}$-0.86 $M_{\phi r}$-0.33 NP1:ϕ_s104.13000°,δ68.89000°,λ-163.59000°. NP2:ϕ_s8.08000°,δ74.72000°,λ-21.92000°. Principal axes: T 0.9812,Plg4.0000°,Azm57.0000°; N 0.1343,Plg63.0000°,Azm155.0000°; P -1.1155,Plg26.0000°,Azm325.0000° $M_0$1.05000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-2.81 $M_{\phi\phi}$1.35 $M_{r\theta}$-2.06 $M_{\theta\phi}$-7.14 $M_{\phi r}$-3.88 NP1:ϕ_s99.55212°,δ60.54974°,λ179.55215°. NP2:ϕ_s189.77232°,δ89.61002°,λ29.45101°. Principal axes: T 7.4118,Plg20.6387°,Azm58.6279°; N 2.2153,Plg60.5466°,Azm190.4629°; P -9.6271,Plg20.0505°,Azm320.7268° $M_0$8.73280×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=7.9km s-min=7.7km az=85.0.
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202107070639A. Moment Tensor Solution. s155,c330; s96,c114;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08±.01 $M_{\theta\theta}$-0.29±.01; $M_{\phi\phi}$0.21±.01; $M_{r\theta}$-0.38±.01; $M_{\theta\phi}$-0.79±.01; $M_{\phi r}$-0.34±.01; Best double couple: NP1:ϕ_s102.00000°,δ70.00000°,λ-167.00000°. NP2:ϕ_s7.00000°,δ77.00000°,λ-21.00000°. Principal axes: T 0.7920,Plg5.0000°,Azm55.0000°; N 0.2930,Plg66.0000°,Azm157.0000°; P -1.0840,Plg23.0000°,Azm323.0000° $M_0$0.93800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.43 $M_{\theta\theta}$-1.73 $M_{\phi\phi}$1.31 $M_{r\theta}$-1.52 $M_{\theta\phi}$-7.92 $M_{\phi r}$-3.17 NP1:ϕ_s96.72000°,δ68.55000°,λ-175.13000°. NP2:ϕ_s4.94000°,δ85.46000°,λ-21.52000°. Principal axes: T 8.1591,Plg12.0000°,Azm53.0000°; N 1.1798,Plg68.0000°,Azm174.0000°; P -9.3389,Plg18.0000°,Azm319.0000° $M_0$8.81000×10^{17}
ISC VII 07 15 43 18.7–.34 24.16S–.06 179.57E–.07 537 4.4b 282 6-164
NEIC VII 07 15 43 17.7–2.0 24.12S–.09 179.6E–.10 521–6 4.5b **¶621112214**
IDC VII 07 15 43 17.8–1.2 24.09S 179.50E 519–11 4.5,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=13.0km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.1km s-min=10.3km az=132.0.
ISC VII 07 19 57 51.1–.56 22.1S–.10 179.58W–.10 592 4.2b 86 5-151
NEIC VII 07 19 57 50.1–1.2 22.1S–.10 179.4W–.10 583–5 4.4b **¶620928138**
IDC VII 07 19 57 51.3–1.5 22.02S 179.65W 594–15 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=16.3km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=15.0km az=106.0.
ISC VII 08 11 26 52.5–.44 25.29S–.05 179.85E–.09 493 4.3b 75 4-168
IDC VII 08 11 26 52.4–2.3 25.36S 179.77E 496–21 4.4,3.6b **¶621112220**
NEIC VII 08 11 26 54.2–1.2 25.2S–.10 179.9E–.10 507–7 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 09 19 58 28.5–.28 25.92S–.03 176.87W–.04 106–2 5.1b 476 3-165
NOU VII 09 19 58 24.6 25.69S 176.33W 85 5.1b **¶621112224**
BJI VII 09 19 58 26.7 25.49S 176.48W 102 5.4b,5.2b
IDC VII 09 19 58 26.0–2.6 25.62S 177.00W 75–22 4.9,4.6b
NEIC VII 09 19 58 29.0–1.5 25.68S–.09 177.0W–.10 100–3 5.0b,4.6b
GFZ VII 09 19 58 29.4–.19 26S–4.0 177W–4.0 100 5.2b,5.2
GCMT VII 09 19 58 31.2–.20 25.65S–.01 176.73W–.02 116–1 5.2W,5.2
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107091958A. Moment Tensor Solution. s75,c93; s112,c170; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.08±.15 $M_{\theta\theta}$-5.15±.19; $M_{\phi\phi}$2.06±.18; $M_{r\theta}$-1.87±.14; $M_{\theta\phi}$-4.19±.15; $M_{\phi r}$2.87±.11; Best double couple: NP1:ϕ_s28.00000°,δ60.00000°,λ30.00000°. NP2:ϕ_s282.00000°,δ65.00000°,λ146.00000°. Principal axes: T 6.9570,Plg41.0000°,Azm244.0000°; N 0.1330,Plg49.0000°,Azm70.0000°; P -7.1000,Plg3.0000°,Azm336.0000° $M_0$7.02900×10^{16}
IDC VII 09 23 12 56.4–51 23.25S 178.74W 0 3.9b,3.9
¶620928287
IDC Error ellipse: s-maj=917.4km s-min=159.8km az=87.0.
ISC VII 10 05 20 37.5–.69 25.28S–.08 179.8E–.10 493 4.0b 64 4-150
NEIC VII 10 05 20 37.1–1.4 25.4S–.10 179.9E–.20 490–12 4.0b **¶621112226**
IDC VII 10 05 20 40.2–2.2 25.17S 179.70E 524–23 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=18.0km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=15.6km az=78.0.
ISC VII 10 14 37 45.4–1.2 22.3S–.10 177.2W–.20 350 3.5b 7 6-68
IDC VII 10 14 37 47.4–3.8 22.21S 177.36W 370–56 4.1,3.2b **¶620928363**
ISC Event type se.
IDC Error ellipse: s-maj=64.6km s-min=29.6km az=4.0.
ISC VII 11 07 06 10.4–.70 24.2S–.10 179.2W–.10 500 3.8b 35 7-151
NEIC VII 11 07 06 11.6–1.2 24.2S–.10 179.1W–.20 521–11 4.1b **¶620928411**
IDC VII 11 07 06 12.1–2.2 24.19S 179.37W 517–23 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=16.1km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.0km s-min=16.6km az=142.0.
ISC VII 12 00 47 23.4–.60 23.48S–.10 179.6W–.10 500 4.1b 40 6-151
NEIC VII 12 00 47 23.9–1.1 23.54S–.08 179.5W–.20 516–9 4.2b **¶620928451**
IDC VII 12 00 47 38.6–7.5 23.50S 179.85E 687–97 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=5.0km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.5km s-min=30.1km az=74.0.
ISC VII 12 23 52 46.4–1.5 24.69S–.10 179.9E–.20 550 3.3b 42 7-143
IDC VII 12 23 52 47.4–7.8 24.59S 179.60E 536–61 3.9,2.7b **¶620928510**
ISC Event type se.
IDC Error ellipse: s-maj=142.5km s-min=34.0km az=142.0.
ISC VII 13 15 02 09.4–.48 25.15S–.05 179.99W–.06 495–5 4.5b 262 4-152
NEIC VII 13 15 02 08.7–1.2 25.34S–.10 179.9W–.10 482–6 4.5b **¶621112233**
GFZ VII 13 15 02 08.5–.55 25S–4.0 180W–6.0 490–8 4.4b,4.4
IDC VII 13 15 02 10.1–.75 25.09S 179.85E 489–6 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.8km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=13.5km s-min=7.5km az=76.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=16.2km s-min=13.0km az=161.0.
ISC VII 14 03 06 51.7–.90 23.8S–.10 179.9E–.20 500 4.2b 24 10-90
IDC VII 14 03 05 59.5–1.4 23.81S 179.36W 0 4.1b,4.1 **¶620928574**
NEIC VII 14 03 06 51.0–.98 23.9S–.10 180.0W–.20 485–13 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 15 13 04 12.5–.73 23.52S–.08 176.31W–.09 200 4.1b 17 8-86
IDC VII 15 13 04 13.3–4.4 23.45S 176.38W 208–52 4.4,3.7b **¶620928642**
ISC Event type se.
IDC Error ellipse: s-maj=45.7km s-min=16.5km az=6.0.
IDC VII 16 03 41 47.5–7.8 20.83S 178.07E 543–32 3.8,2.9b
¶620928676
IDC Error ellipse: s-maj=239.6km s-min=30.2km az=145.0.
ISC VII 16 06 18 27.6–.64 24.8S–.10 179.96E–.10 501 4.2b 32 7-143
IDC VII 16 06 18 29.5–2.6 24.82S 179.76E 522–28 4.4,3.5b **¶620928698**
NEIC VII 16 06 18 30.3–1.4 24.8S–.10 179.81E–.08 526–11 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 16 06 39 31.4–.69 24.3S–.20 178.9W–.10 500 3.8b 15 14-149
IDC VII 16 06 39 31.7–3.6 24.37S 178.83W 503–40 4.3,3.4b **¶620928699**
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=16.4km az=169.0.
ISC VII 16 15 04 43.4–1.6 23.8S–.20 180.0W–.30 500 4.0b 8 6-148
IDC VII 16 15 04 42.7–2.2 23.96S 179.96E 481–22 4.3,3.5b **¶620928667**
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=25.0km az=41.0.
IDC VII 17 00 26 22.9–4.2 19.03S 179.89E 421–29 4.0,3.3b
¶620928739
IDC Error ellipse: s-maj=138.0km s-min=26.4km az=149.0.
ISC VII 17 11 13 45.8–.53 26.01S–.09 177.4W–.10 161 4.3b 66 9-165
NEIC VII 17 11 13 46.6–1.2 26.05S–.08 177.3W–.20 169–8 4.5b **¶621112244**
IDC VII 17 11 13 48.8–3.7 25.88S 177.46W 184–31 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=5.7km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.7km s-min=14.2km az=105.0.
ISC VII 18 16 42 48.3–.79 24.9S–.10 179.4E–.10 550 4.3b 31 7-70
IDC VII 18 16 42 48.7–3.4 24.84S 179.28E 542–76 4.1,3.2b **¶620928834**
NEIC VII 18 16 42 48.1–.62 24.9S–.10 179.4E–.20 537–13 4.5b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 23 59 22.2–.46 23.77S–.06 179.85W–.09 518 4.3b 104 6-153
GFZ VII 18 23 59 17.3–.48 24S–5.0 179W–8.0 568–9 4.2b,4.2 **¶620833487**
IDC VII 18 23 59 19.5–1.4 23.82S 179.80W 476–15 4.5,3.6b
NEIC VII 18 23 59 20.3–2.4 23.9S–.10 179.7W–.20 477–10 4.5b,3.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 06 35 24.4–.37 23.51S–.06 179.77W–.07 532 4.1b 168 6-151
GFZ VII 19 06 35 23.6–.38 24S–4.0 180W–8.0 539–7 4.2b,4.2 **¶620833505**
NEIC VII 19 06 35 24.6–.74 23.6S–.10 179.6W–.10 530–8 4.2b,4.2
IDC VII 19 06 35 29.8–1.6 23.30S 179.87E 579–17 4.1,3.2b
ISC Event type se.
GFZ Error ellipse: s-maj=17.0km s-min=8.6km az=88.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=16.0km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=11.5km az=152.0.
IDC VII 19 09 27 46.6–60 23.50S 178.29W 0 4.0b,4.0
¶620928863
IDC Error ellipse: s-maj=1099.0km s-min=159.5km az=87.0.
ISC VII 19 18 04 56.4–.41 24.52S–.07 179.83E–.08 517 4.2b 116 7-151
NEIC VII 19 18 04 53.9–1.6 24.61S–.10 180.0W–.20 483–7 4.4b **¶620834048**
GFZ VII 19 18 04 54.8–.48 25S–3.0 180E–5.0 498–7 4.3b,4.3
IDC VII 19 18 04 56.9–1.8 24.44S 179.78E 513–19 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=13.4km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.3km s-min=6.7km az=97.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=16.5km s-min=15.2km az=84.0.
ISC VII 19 18 51 55.6–.70 24.9S–.10 179.9E–.10 501 4.1b 30 7-149
NEIC VII 19 18 51 56.4–1.6 24.9S–.10 179.9E–.10 501–9 4.2b **¶620928888**
IDC VII 19 18 51 56.7–2.6 24.77S 179.79E 515–28 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=10.1km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=17.9km az=144.0.
ISC VII 19 19 51 26.9–.51 22.84S–.10 177.33W–.10 219 4.2b 116 7-153
NEIC VII 19 19 51 27.5–.91 22.7S–.10 177.3W–.20 220–6 4.4b **¶621112250**
IDC VII 19 19 51 28.8–3.3 22.75S 177.40W 236–28 4.4,3.9b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=19.7km s-min=15.2km az=139.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.8km s-min=18.0km az=146.0.
IDC VII 21 16 01 04.2–2.1 26.71S 176.48W 0 3.8b,3.8
¶620961670
IDC Error ellipse: s-maj=59.1km s-min=31.9km az=47.0.
ISC VII 25 16 33 54.8–.61 23.03S–.09 179.5W–.10 526 4.1b 59 6-148
NEIC VII 25 16 33 53.4–1.1 23.1S–.10 179.4W–.20 503–10 4.2b **¶620973776**
IDC VII 25 16 33 55.9–2.1 22.95S 179.77W 525–26 4.0,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=16.8km az=116.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=20.9km az=171.0.
ISC VII 24 16 45 47.0–.60 24.12S–.07 179.61W–.09 512 3.7b 70 5-148
NEIC VII 24 16 45 46.1–1.5 24.0S–.10 179.1W–.20 550–13 4.4b **¶620845789**
IDC VII 24 16 45 47.3–2.5 24.18S 179.85W 494–19 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=15.3km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.5km s-min=16.6km az=145.0.
ISC VII 14 23 54 15.2–.31 22.20S–.04 179.37E–.04 625–3 5.2b 1137 5-174
BJI VII 14 23 54 14.0 21.93S 179.57E 623 5.2b,5.1b **¶620829339**
GFZ VII 14 23 54 16.0–.32 22S–3.0 179E–3.0 623–4 5.2b,4.9
IDC VII 14 23 54 15.2–.53 22.16S 179.27E 619–5 5.3,4.4b
NOU VII 14 23 54 15.1 22.24S 179.35E 629 5.2b,4.4b
NEIC VII 14 23 54 16.1–1.6 22.18S–.09 179.28E–.10 628–5 5.0b,4.4b
GCMT VII 14 23 54 17.3–.30 22.18S–.04 179.18E–.03 632–3 5.4W,4.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID:
B202107142354A. Moment Tensor Solution. s84,c119;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45±.04 $M_{\theta\theta}$-0.21±.07; $M_{\phi\phi}$0.65±.06; $M_{r\theta}$0.02±.06; $M_{\theta\phi}$0.56±.06; $M_{\phi r}$-1.23±.06;
Best double couple: NP1:ϕ_s244.00000°,δ25.00000°,λ-27.00000°. NP2:ϕ_s359.00000°
,δ79.00000°,λ-113.00000°. Principal axes: T 1.5720,Plg30.0000°,Azm107.0000°
; N -0.2310,Plg22.0000°,Azm3.0000°; P -1.3420,Plg51.0000°,Azm243.0000°
M_o1.45700×10^{17}
ISC VII 23 10 12 56.6–1.0 22.4S–.20 176.6W–.20 500 3.3b 8 10-80
IDC VII 23 10 12 57.1–6.7 22.32S 176.58W 510–117 4.0,3.0b **¶620967906**
ISC Event type se.
IDC Error ellipse: s-maj=86.3km s-min=24.4km az=13.0.
ISC VII 25 22 08 10.9–.41 24.73S–.07 179.98W–.07 500 4.4b 133 7-154
NEIC VII 25 22 08 10.0–1.7 24.9S–.10 179.8W–.10 484–6 4.5b **¶620845955**
GFZ VII 25 22 08 10.7–.67 25S–6.0 180W–6.0 501–10 4.2b,4.2
IDC VII 25 22 08 13.1–1.4 24.59S 179.77E 510–14 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=15.4km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=14.3km s-min=10.8km az=46.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=14.6km s-min=13.2km az=150.0.
IDC VII 25 04 00 17.0–8.0 23.41S 177.67W 0 3.9b,3.9
¶620973743
IDC Error ellipse: s-maj=335.1km s-min=64.8km az=148.0.
ISC VII 25 22 23 50.2–.59 24.82S–.07 179.8E–.10 501 4.3b 84 7-154
GFZ VII 25 22 23 48.0–.67 25S–5.0 180E–8.0 472–7 4.3b,4.3 **¶620845956**
NEIC VII 25 22 23 48.6–1.8 24.95S–.06 180.0E–.20 474–8 4.5b,4.3
IDC VII 25 22 23 50.2–2.0 24.60S 179.89E 500–21 4.3,3.4b
ISC Event type se.
GFZ Error ellipse: s-maj=17.2km s-min=8.9km az=72.5. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=6.2km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.5km s-min=16.4km az=92.0.
ISC VII 26 01 20 46.5–1.0 25.5S–.10 179.9E–.20 493 4.0b 27 8-150
IDC VII 26 01 20 45.5–24 25.23S 179.91E 490–248 4.3,3.4b **¶621112292**
NEIC VII 26 01 20 48.9–1.5 25.5S–.10 179.8E–.20 513–7 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 26 19 33 06.0–1.5 23.6S–.30 179.7E–.20 548 3.6b 7 6-142
IDC VII 26 19 33 08.6–5.2 23.29S 179.42E 565–52 3.8,2.9b **¶620973875**
ISC Event type se.
IDC Error ellipse: s-maj=116.8km s-min=24.2km az=153.0.
ISC VII 26 19 50 45.1–.37 22.60S–.07 179.14E–.07 612 4.4b 327 5-170
BGR VII 26 19 49 37.9 23.50S 179.97E 33 4.4b **¶621112304**
GFZ VII 26 19 50 45.0–.30 23S–3.0 179E–5.0 613 4.5b,4.5
NEIC VII 26 19 50 45.0–1.2 22.6S–.10 179.3E–.10 614–9 4.5b,4.5
IDC VII 26 19 50 46.2–1.2 22.58S 179.06E 620–12 4.4,3.5b
ISC Event type ke.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=16.3km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.1km s-min=10.6km az=135.0.
ISC VII 27 05 55 40.5–.51 23.48S–.06 179.30E–.06 543–5 4.6b 290 6-164
NEIC VII 27 05 55 40.4–2.4 23.56S–.10 179.3E–.10 536–6 4.7b **¶621112311**
IDC VII 27 05 55 41.0–.58 23.54S 179.15E 539–5 4.8,4.0b
GFZ VII 27 05 55 41.3–.39 23S–4.0 179E–4.0 547–5 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 26 04 05 18.8–.51 22.94S–.07 178.63W–.09 400 4.2b 96 6-152
NEIC VII 26 04 05 20.8–2.2 22.9S–.10 178.7W–.10 417–7 4.3b **¶620846040**
IDC VII 26 04 05 22.9–1.9 22.77S 178.88W 439–19 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=14.5km az=125.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=13.7km az=106.0.
ISC VII 27 22 53 29.6–1.8 22.9S–.30 179.6W–.30 550 4.0b 6 35-148
IDC VII 27 22 52 26.7–2.4 21.84S 177.96W 0 4.2b,4.2 **¶620978991**
ISC Event type se.
IDC Error ellipse: s-maj=66.8km s-min=40.1km az=26.0.
IDC VII 31 13 02 38.6–7.8 19.66S 178.74E 486–27 3.6,2.8b
¶620986128
IDC Error ellipse: s-maj=255.1km s-min=31.6km az=144.0.
ISC VII 29 22 34 16.8–.41 26.77S–.08 176.04W–.09 31 4.7b 106 11-166
IDC VII 29 22 34 12.3–.45 26.71S 176.09W 0 4.4b,4.4 **¶620883003**
NEIC VII 29 22 34 13.6–1.8 26.8S–.10 176.0W–.10 10–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 30 08 35 38.1–67 22.17S 177.65W 0 3.8b,3.7
¶620986051
IDC Error ellipse: s-maj=1217.0km s-min=56.1km az=83.0.
ISC VII 31 13 07 56.0–1.4 23.6S–.30 179.9E–.20 550 3.3b 7 6-148
IDC VII 31 13 07 59.1–7.2 23.15S 179.65E 571–61 3.6,2.7b **¶620986129**
ISC Event type se.
IDC Error ellipse: s-maj=159.6km s-min=20.9km az=153.0.
IDC VII 31 19 40 31.0–7.8 22.38S 177.92W 0 4.0b,4.0
¶620986146
IDC Error ellipse: s-maj=201.0km s-min=36.6km az=32.0.
ISC VIII 03 07 16 31.2–.26 22.05S–.05 179.45W–.05 592 4.6b 559 5-171
NEIC VIII 03 07 16 28.8–1.7 22.1S–.10 179.4W–.10 556–5 4.6b **¶621237411**
BGR VIII 03 07 16 31.3 22.12S 178.89W 592–22 4.6b
IDC VIII 03 07 16 31.8–.92 22.06S 179.60W 591–9 4.9,4.0b
GFZ VIII 03 07 16 32.7–.62 22S–5.0 180W–5.0 593–7 4.7b,4.7
NOU VIII 03 07 16 32.3 21.90S 179.63W 603 4.9b,4.7
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=14.1km az=116.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=8.9km az=123.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Fiji Islands Region.
ISC VIII 02 04 33 54.8–.43 24.94S–.07 179.71E–.09 507 4.2b 77 7-168
IDC VIII 02 04 33 54.0–1.6 24.86S 179.71E 497–16 4.5,3.6b **¶620925868**
NEIC VIII 02 04 33 55.5–1.7 25.0S–.10 179.7E–.10 509–7 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 03 10 23 55.7–.47 25.45S–.04 179.76E–.04 494–4 4.8b 614 4-168
NEIC VIII 03 10 23 54.8–1.0 25.46S–.10 179.8E–.10 480–6 5.5,4.8b **¶621237412**
IDC VIII 03 10 23 55.9–.77 25.49S 179.58E 488–7 5.3,4.5b
BJI VIII 03 10 23 55.3 26.07S 179.55E 515 5.1b,5.0b
NOU VIII 03 10 23 56.4 25.59S 179.65E 507 5.0b,5.0b
GFZ VIII 03 10 23 56.1–.43 25S–3.0 180E–7.0 508–7 5.0b,5.0
GCMT VIII 03 10 24 00.2–.30 25.57S–.03 179.70E–.03 500–1 5.6W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID:
B202108031023A. Moment Tensor Solution. s99,c140;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.62±.05 $M_{\theta\theta}$-1.40±.07; $M_{\phi\phi}$0.78±.07; $M_{r\theta}$-1.31±.07; $M_{\theta\phi}$-0.40±.07; $M_{\phi r}$-2.11±.07;
Best double couple: NP1:ϕ_s115.00000°,δ26.00000°,λ165.00000°. NP2:ϕ_s218.00000°
,δ84.00000°,λ65.00000°. Principal axes: T 2.9080,Plg46.0000°,Azm103.0000°
; N -0.2420,Plg25.0000°,Azm221.0000°; P -2.6650,Plg34.0000°,Azm329.0000°
M_o2.78600×10^{17}
ISC VIII 05 08 10 56.4–.58 23.65S–.09 179.9W–.10 532 4.2b 51 6-148
NEIC VIII 05 08 10 55.8–1.6 23.68S–.06 179.8W–.10 518–10 4.3b **¶620969578**
IDC VIII 05 08 10 56.8–1.9 23.52S 179.99W 537–21 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=6.6km az=68.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.0km s-min=16.5km az=151.0.
ISC VIII 03 11 01 37.5–.66 25.94S–.10 177.5W–.10 200 4.2b 62 9-153
IDC VIII 03 11 01 37.5–3.6 25.90S 177.58W 200–31 4.3,3.8b **¶620970268**
NEIC VIII 03 11 01 38.4–.82 25.9S–.10 177.5W–.20 206–2 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 05 11 20 17.7–.29 23.05S–.04 179.39W–.04 550–3 5.0b 980 6-170
NOU VIII 05 11 20 15.8 23.11S 179.23W 547 5.1b **¶621237420**
BJI VIII 05 11 20 16.8 22.65S 178.88W 550 5.0b,5.0b
NEIC VIII 05 11 20 16.7 23.12S 179.40W 529 5.0b,5.0b
NEIC VIII 05 11 20 17.0–2.1 23.12S–.09 179.39W–.10 537–5 4.9b,5.0b
NEIC VIII 05 11 20 17.1 23.02S 179.18W 550 5.3,5.0b
GFZ VIII 05 11 20 18.9–.24 23S–3.0 180W–3.0 554–3 5.0b,4.8
GFZ VIII 05 11 20 18.9 23.13S 179.58W 561 5.3W,4.8
BGR VIII 05 11 20 18.9 23.23S 178.70W 568–7 5.3W,4.8
IDC VIII 05 11 20 18.9–.50 23.08S 179.61W 552–5 5.1,4.2b
GCMT VIII 05 11 20 21.3–.20 23.08S–.02 179.57W–.02 552–1 5.3W,4.2b
ISC Event type ke.
NOU South of Fiji Islands.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm;
M_{rr}-0.98 $M_{\theta\theta}$0.51 $M_{\phi\phi}$0.47 $M_{r\theta}$-0.19 $M_{\theta\phi}$-0.57 $M_{\phi r}$-0.70 NP1:ϕ_s111.63000°,δ40.49000°
,λ-130.68000°. NP2:ϕ_s340.13000°,δ60.50000°,λ-60.90000°. Principal axes:
T 1.1289,Plg11.0000°,Azm50.0000°; N 0.2231,Plg25.0000°,Azm145.0000°
; P -1.3520,Plg62.0000°,Azm298.0000° M_o1.26000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.91 $M_{\theta\theta}$0.53 $M_{\phi\phi}$0.38 $M_{r\theta}$-0.17 $M_{\theta\phi}$-0.57 $M_{\phi r}$-0.69 NP1:
ϕ_s107.56244°,δ41.34748°,λ-132.65716°. NP2:ϕ_s338.39047°,δ60.93267°,λ-59.19277°.
Principal axes: T 1.0939,Plg10.7952°,Azm46.7569°; N 0.2011,Plg26.5927°,Azm142.2342°
; P -1.2949,Plg60.9712°,Azm296.6620° M_o1.20702×10^{17}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID:
B202108051120A. Moment Tensor Solution. s106,c163;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84±.02 $M_{\theta\theta}$0.63±.03; $M_{\phi\phi}$0.21±.04; $M_{r\theta}$0.08±.04; $M_{\theta\phi}$-0.65±.03; $M_{\phi r}$-0.72±.04;
Best double couple: NP1:ϕ_s100.00000°,δ38.00000°,λ-135.00000°. NP2:ϕ_s332.00000°
,δ64.00000°,λ-61.00000°. Principal axes: T 1.2310,Plg15.0000°,Azm42.0000°
; N 0.0080,Plg26.0000°,Azm139.0000°; P -1.2380,Plg60.0000°,Azm285.0000°
M_o1.23400×10^{17}
IDC VIII 08 01 35 09.9–8.2 21.17S 179.66E 0 3.7b,3.7
¶621002103
IDC Error ellipse: s-maj=357.5km s-min=43.4km az=147.0.
ISC VIII 08 01 49 10.8–4.1 23.4S–.30 179.7W–.50 536 3.8b 7 6-147
IDC VIII 08 01 49 06.8–7.6 23.86S 179.41W 500–55 4.1,3.2b **¶621002105**
ISC Event type se.
IDC Error ellipse: s-maj=124.1km s-min=39.2km az=137.0.
ISC VIII 09 07 01 31.0–.57 23.90S–.06 179.89W–.09 500 4.2b 89 6-151
NEIC VIII 09 07 01 32.4–1.0 23.9S–.20 179.81W–.07 514–10 4.2b **¶621007237**
IDC VIII 09 07 01 32.6–1.4 23.72S 179.93E 520–14 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=9.3km az=181.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=15.0km az=159.0.
ISC VIII 08 20 34 45.0–1.8 24.5S–.20 179.8E–.30 517 3.6b 6 7-90
IDC VIII 08 20 34 45.7–2.9 24.32S 179.87E 533–42 4.0,3.1b **¶621002144**
ISC Event type se.
IDC Error ellipse: s-maj=47.5km s-min=35.6km az=26.0.
ISC VIII 09 17 11 04.2–.93 23.5S–.20 179.8E–.20 535 3.4b 11 6-148
IDC VIII 09 17 11 03.6–2.6 23.58S 179.86E 526–26 3.8,2.9b **¶621007276**
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=21.1km az=145.0.
ISC VIII 11 14 42 36.7–1.7 23.4S–.20 179.8W–.20 550 3.7b 8 6-78
IDC VIII 11 14 42 37.1–2.7 23.27S 179.71W 565–71 4.1,3.1b **¶621009341**
ISC Event type se.
IDC Error ellipse: s-maj=101.5km s-min=25.7km az=24.0.
ISC VIII 10 18 21 37.2–.33 25.04S–.05 179.67E–.06 507 4.4b 217 5-154
GFZ VIII 10 18 21 36.4–.39 25S–3.0 180E–4.0 506–6 4.4b,4.4 **¶621237427**
IDC VIII 10 18 21 37.9–1.1 25.00S 179.52E 509–11 4.5,3.6b
NEIC VIII 10 18 21 37.6–1.4 25.08S–.10 179.8E–.10 509–6 4.4b,3.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 10 03 35 29.2–.58 24.1S–.10 180.0W–.10 518 4.1b 43 7-151
IDC VIII 10 03 35 29.6–2.1 23.98S 180.00W 519–21 4.0,3.2b **¶621008089**
NEIC VIII 10 03 35 29.1–1.4 24.1S–.10 179.9W–.10 506–7 4.2b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 10 20 29 00.1–.68 23.6S–.10 177.1W–.10 167 3.8b 26 7-151
NEIC VIII 10 20 29 02.3–1.2 23.6S–.20 177.3W–.20 181–5 4.1b **¶621008138**
IDC VIII 10 20 29 02.2–4.0 23.56S 177.32W 186–34 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=21.6km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.1km s-min=20.1km az=129.0.
IDC VIII 10 20 51 24.2–50 23.52S 176.51W 0 3.9b,3.9
¶621008140
IDC Error ellipse: s-maj=917.9km s-min=176.2km az=88.0.
ISC VIII 13 14 37 48.2–.55 24.12S–.07 179.9E–.10 526 3.7b 53 5-169
IDC VIII 13 14 37 47.6–1.3 24.07S 179.76E 514–12 4.3,3.5b **¶621012164**
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=12.5km az=87.0.
ISC VIII 11 20 06 02.4–1.2 25.9S–.10 179.6E–.20 500 4.3b 23 8-74
NEIC VIII 11 20 06 02.7–.84 25.92S–.07 179.7E–.20 503–16 4.3b **¶621009358**
IDC VIII 11 20 06 05.5–3.5 25.42S 179.67E 566–82 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=9.1km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=83.1km s-min=24.9km az=21.0.
ISC VIII 12 04 11 05.8–.36 24.35S–.07 177.14W–.08 150 4.7b 203 8-169
NEIC VIII 12 04 11 07.3–1.3 24.3S–.10 177.2W–.10 160–5 4.7b **¶620983373**
IDC VIII 12 04 11 08.4–3.3 24.32S 177.43W 170–28 4.5,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=14.2km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.7km s-min=12.3km az=115.0.
IDC VIII 12 12 16 38.4–6.2 24.82S 179.66E 521–64 4.0,3.1b
¶621009411
IDC Error ellipse: s-maj=108.1km s-min=26.0km az=152.0.
IDC VIII 13 15 59 28.8–5.3 25.91S 177.81W 0 3.6b,3.6
¶621012176
IDC Error ellipse: s-maj=297.1km s-min=53.8km az=157.0.
IDC VIII 14 05 44 45.4–10 25.98S 176.52W 287–87 4.1,3.4b
¶621013447
IDC Error ellipse: s-maj=115.7km s-min=26.8km az=149.0.
IDC VIII 15 11 24 13.4–7.8 23.55S 179.52W 409–59 4.1,3.3b
¶621023598
IDC Error ellipse: s-maj=116.7km s-min=26.5km az=142.0.
ISC VIII 14 07 59 60.0–.60 22.5S–.10 176.78W–.10 179 4.1b 42 7-150
IDC VIII 14 08 00 00.2–4.2 22.40S 176.81W 184–35 4.0,3.4b **¶621013462**
NEIC VIII 14 08 00 00.4–1.1 22.5S–.10 176.8W–.10 174–8 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 17 24 49.2–.21 23.13S–.03 177.07W–.03 157–1 5.8b 1900 6-170
IPGP VIII 17 17 24 47.0 23.22S 176.96W 161 5.8W **¶620993291**
BJI VIII 17 17 24 47.7 22.91S 176.80W 160 5.8b,5.7b
NEIC VIII 17 17 24 47.8 23.24S 177.04W 144 5.8b,5.7b
MOS VIII 17 17 24 49.0–1.1 22.96S 177.27W 156 5.7b,5.7b
NEIC VIII 17 17 24 49.9–1.9 23.04S–.08 177.04W–.08 157–1 5.8,5.6b
NEIC VIII 17 17 24 49.4 23.18S 177.01W 157 5.8,5.6b
IDC VIII 17 17 24 50.7–.54 23.01S 177.25W 159–4 5.9,5.4b
GFZ VIII 17 17 24 52.4–.60 23S–3.0 177W–3.0 184–6 6.0b,5.9
GCMT VIII 17 17 24 52.8–.10 23.17S–.01 176.82W–.01 166–0 5.8W,5.9
GFZ VIII 17 17 24 52.3 23.06S 177.20W 180 5.8W,5.9
NOU VIII 17 17 24 53.7 23.19S 177.19W 189 5.6,5.9
NEIC VIII 17 17 24 54.3 23.44S 176.61W 180 5.8,5.9
PTWC VIII 17 17 24 55 23.40S 176.90W 242 5.8,5.9
ISC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s270.00000°,δ18.00000°,λ-32.00000°. NP2:ϕ_s31.00000°,δ81.00000°,λ-105.00000°.
NEIC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=7.2km az=119.7.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=13.0km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$1.17 $M_{r\theta}$-2.60 $M_{\theta\phi}$0.99 $M_{\phi r}$-6.07 NP1:ϕ_s204.86000°,δ4.52000°,λ-88.30000°. NP2:ϕ_s23.16000°,δ85.48000°,λ-90.13000°. Principal axes: T 7.2428,Plg40.0000°,Azm113.0000°; N -1.1123,Plg0.0000°,Azm23.0000°; P -6.1305,Plg50.0000°,Azm293.0000° $M_0$6.76000×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=8.8km s-min=8.5km az=20.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108171724A. Moment Tensor Solution. s151,c329; s164,c476;Duration: 2^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.06±.06 $M_{\theta\theta}$1.69±.07; $M_{\phi\phi}$-0.63±.07; $M_{r\theta}$-3.11±.05; $M_{\theta\phi}$1.10±.06; $M_{\phi r}$-6.46±.04; Best double couple: NP1:ϕ_s281.00000°,δ13.00000°,λ-16.00000°. NP2:ϕ_s27.00000°,δ86.00000°,λ-102.00000°. Principal axes: T 7.2330,Plg40.0000°,Azm129.0000°; N 0.3250,Plg12.0000°,Azm28.0000°; P -7.5630,Plg47.0000°,Azm284.0000° $M_0$7.39800×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$1.48 $M_{\phi\phi}$-2.20 $M_{r\theta}$-2.68 $M_{\theta\phi}$1.31 $M_{\phi r}$-5.66 NP1:ϕ_s203.74342°,δ86.87671°,λ109.66463°. NP2:ϕ_s302.41234°,δ19.90142°,λ9.21035°. Principal axes: T 6.7387,Plg44.7008°,Azm133.3020°; N -0.1006,Plg19.6342°,Azm22.6280°; P -6.6382,Plg38.7815°,Azm275.9705° $M_0$6.68900×10^{17}
NOU South of Fiji Islands.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-0.12 $M_{r\theta}$-3.70 $M_{\theta\phi}$1.06 $M_{\phi r}$-6.20 NP1:ϕ_s273.72000°,δ9.35000°,λ-27.83000°. NP2:ϕ_s31.24000°,δ85.65000°,λ-98.29000°. Principal axes: T 7.4398,Plg40.0000°,Azm129.0000°; N -0.1284,Plg8.0000°,Azm32.0000°; P -7.3114,Plg49.0000°,Azm292.0000° $M_0$7.38000×10^{17}
IDC VIII 17 00 40 23.1–7.1 23.32S 177.69W 0 4.1b,4.1
¶621030220
IDC Error ellipse: s-maj=329.4km s-min=55.9km az=151.0.
IDC VIII 17 01 12 23.1–13 24.58S 179.47E 630–169 3.7,2.7b
¶621030223
IDC Error ellipse: s-maj=71.5km s-min=42.8km az=62.0.
IDC VIII 17 10 49 19.1–28 23.52S 179.50W 503–199 4.0,3.2b
¶621030256
IDC Error ellipse: s-maj=707.9km s-min=105.0km az=92.0.
ISC VIII 19 23 11 18.1–.78 24.4S–.20 179.5W–.20 350 3.6b 14 35-169
IDC VIII 19 23 11 18.9–9.9 24.30S 179.51W 357–92 4.0,3.3b **¶621039225**
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=23.7km az=60.0.
ISC VIII 19 10 24 35.0–.45 23.41S–.04 177.25W–.05 181–3 4.7b 363 6-170
NOU VIII 19 10 24 29.6 23.38S 176.47W 184 4.8b **¶620997100**
NEIC VIII 19 10 24 33.1–2.4 23.36S–.09 177.2W–.10 160–5 4.7b
GFZ VIII 19 10 24 35.9–.20 23S–4.0 177W–4.0 180 4.8,4.8b
IDC VIII 19 10 24 36.8–.58 23.27S 177.32W 192–5 4.6,4.1b
GCMT VIII 19 10 24 37.2–.20 23.38S–.01 176.98W–.01 179–1 5.2W,4.1b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108191024A. Moment Tensor Solution. s96,c126; s142,c221;Duration: 1^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.51±.17 $M_{\theta\theta}$1.40±.19; $M_{\phi\phi}$-3.90±.18; $M_{r\theta}$-5.97±.14; $M_{\theta\phi}$0.11±.17; $M_{\phi r}$-6.17±.13; Best double couple: NP1:ϕ_s331.00000°,δ18.00000°,λ23.00000°. NP2:ϕ_s219.00000°,δ83.00000°,λ107.00000°. Principal axes: T 9.6860,Plg49.0000°,Azm148.0000°; N -0.9480,Plg17.0000°,Azm37.0000°; P -8.7290,Plg36.0000°,Azm294.0000° $M_0$9.20800×10^{16}
IDC VIII 17 19 41 38.1–3.6 22.32S 178.45W 431–90 3.7,2.8b
¶621030295
IDC Error ellipse: s-maj=137.0km s-min=40.3km az=24.0.
ISC VIII 18 14 21 05.2–1.6 22.9S–.20 179.8W–.30 600 3.9b 7 6-79
IDC VIII 18 14 21 05.0–2.1 22.93S 179.78W 594–56 4.2,3.3b **¶621030381**
ISC Event type se.
IDC Error ellipse: s-maj=81.5km s-min=22.5km az=25.0.
ISC VIII 18 23 36 06.7–.97 25.1S–.20 177.0W–.20 126 4.1b 15 9-151
IDC VIII 18 23 36 09.8–4.7 25.04S 177.13W 149–37 4.3,3.8b **¶621030432**
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=24.0km az=127.0.
ISC VIII 21 09 51 59.6–1.2 22.9S–.40 179.8E–.20 550 3.8b 6 35-148
IDC VIII 21 09 51 58.9–20 23.12S 179.89E 538–248 3.9,3.0b **¶621042981**
ISC Event type se.
IDC Error ellipse: s-maj=160.9km s-min=69.1km az=2.0.
ISC VIII 19 20 07 56.7–1.2 23.4S–.20 179.9W–.20 500 3.8b 7 6-90
IDC VIII 19 20 07 57.8–2.7 23.29S 179.96W 517–36 4.1,3.3b **¶621039214**
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=22.5km az=0.0.
ISC VIII 20 21 11 35.1–2.2 22.9S–.40 179.5W–.30 526 3.8b 6 32-142
IDC VIII 20 21 11 49.1–18 23.38S 179.80E 666–209 4.2,3.0b **¶621041312**
ISC Event type se.
IDC Error ellipse: s-maj=151.4km s-min=53.5km az=56.0.
ISC VIII 22 18 27 58.2–.51 23.37S–.07 179.17W–.09 417 4.3b 196 6-170
GFZ VIII 22 18 27 53.8–.53 23S–4.0 178W–4.0 450–7 4.4b,4.4 **¶621237556**
NEIC VIII 22 18 27 56.0–2.3 23.7S–.10 179.0W–.10 384–9 4.5b,4.4
IDC VIII 22 18 27 55.8–2.0 23.35S 178.99W 388–18 4.3,3.5b
ISC Event type se.
GFZ Error ellipse: s-maj=9.2km s-min=7.8km az=90.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=11.7km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.5km s-min=15.0km az=98.0.
ISC VIII 21 11 59 12.7–.59 25.85S–.07 178.70E–.10 550 4.0b 60 5-152
NEIC VIII 21 11 59 12.5–1.3 25.8S–.20 178.9E–.10 556–15 4.2b **¶621042993**
IDC VIII 21 11 59 12.7–2.2 25.64S 178.68E 548–21 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=17.0km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.9km s-min=18.0km az=141.0.
IDC VIII 22 19 11 22.9–2.0 20.54S 178.90E 472–31 3.6,2.8b
¶621043115
IDC Error ellipse: s-maj=59.9km s-min=34.5km az=17.0.
ISC VIII 23 11 21 55.7–.88 25.6S–.10 179.7W–.20 500 3.4b 27 8-144
IDC VIII 23 11 21 54.4–3.3 25.91S 179.68W 499–49 4.0,2.9b **¶621049226**
WEL VIII 23 11 22 53.4–9.6 31S–93 179E–42 500 4.3,4.2L
ISC Event type se.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
ISC VIII 24 10 27 04.2–.57 24.59S–.09 179.95E–.09 517 3.9b 40 7-148
IDC VIII 24 10 27 02.4–2.0 24.76S 179.96E 494–20 4.1,3.3b **¶621049314**
NEIC VIII 24 10 27 02.7–1.3 24.7S–.20 179.82W–.09 510–12 4.0b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 04 06 28.4–.98 26.36S–.09 178.6W–.20 10 4.1b 20 9-91
IDC VIII 24 04 06 24.5–1.2 25.65S 178.88W 0 3.8b,3.8 **¶621049288**
NEIC VIII 24 04 06 29.9–1.9 26.38S–.08 178.7W–.20 10–1 4.6b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 00 14 58.3–.57 24.58S–.10 179.89E–.10 517 4.1b 45 7-151
IDC VIII 24 00 14 57.8–1.9 24.56S 179.90E 515–20 4.4,3.5b **¶621049270**
NEIC VIII 24 00 14 58.5–1.2 24.7S–.10 179.9E–.10 511–9 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 25 06 38 36.3–.34 26.50S–.05 177.88W–.07 200 4.4b 186 3-166
GFZ VIII 25 06 38 28.4–.93 26S–4.0 178W–5.0 127–8 4.7b,4.7 **¶621003219**
NEIC VIII 25 06 38 31.7–2.4 26.22S–.09 177.6W–.10 155–5 4.5b,4.7
IDC VIII 25 06 38 37.2–3.3 26.26S 177.84W 203–28 4.5,4.0b
ISC Event type se.
GFZ Error ellipse: s-maj=10.5km s-min=8.6km az=112.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=12.7km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=13.1km az=103.0.
ISC VIII 26 06 41 48.8–.45 23.90S–.09 176.56W–.08 82 4.3b 63 8-152
IDC VIII 26 06 41 52.3–3.2 23.68S 176.69W 111–27 4.3,3.8b **¶621058983**
NEIC VIII 26 06 41 52.0–.29 23.9S–.20 176.57W–.06 110–11 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 25 23 50 03.5–9.2 24.70S 176.70W 0 4.0b,4.0
¶621058966
IDC Error ellipse: s-maj=237.0km s-min=44.5km az=34.0.
ISC VIII 26 15 53 54.2–.51 24.26S–.08 179.69W–.09 490 4.3b 70 7-148
IDC VIII 26 15 53 51.8–2.4 24.23S 179.71W 455–23 4.4,3.5b **¶621059004**
NEIC VIII 26 15 53 51.3–1.5 24.4S–.10 179.6W–.10 452–8 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 00 13 37.8–.60 23.9S–.10 179.9W–.10 518 4.0b 29 6-149
IDC VIII 27 00 13 38.1–2.4 23.91S 179.98W 518–23 4.2,3.3b **¶621072112**
NEIC VIII 27 00 13 38.4–.74 23.9S–.10 179.8W–.10 525–8 4.3b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 04 22 08.9–3.8 24S–2.0 177.8W–.60 200 3.7b 8 33-150
IDC VIII 28 04 21 45.2–3.7 23.22S 177.60W 0 4.1b,4.1 **¶621073087**
ISC Event type se.
IDC Error ellipse: s-maj=201.1km s-min=33.9km az=156.0.
ISC VIII 26 22 40 51.9–.33 24.14S–.04 179.19E–.04 561–3 4.8b 833 6-169
NOU VIII 26 22 40 48.4 24.21S 179.30E 529 4.9b **¶621008308**
GFZ VIII 26 22 40 51.6–.48 24S–3.0 179E–3.0 549–5 4.9b,4.8
NEIC VIII 26 22 40 51.9–1.8 24.09S–.09 179.17E–.09 554–5 4.8b,4.8
IDC VIII 26 22 40 51.5–.60 24.14S 179.11E 552–6 5.1,4.2b
GCMT VIII 26 22 40 53.4–.30 24.24S–.04 179.11E–.03 556–2 5.3W,4.2b
ISC Event type se.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202108262240A. Moment Tensor Solution. s74,c109;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.30±.03 $M_{\theta\theta}$0.14±.05; $M_{\phi\phi}$-0.44±.04; $M_{r\theta}$-0.58±.04; $M_{\theta\phi}$-0.19±.04; $M_{\phi r}$-0.86±.04; Best double couple: NP1:ϕ_s347.00000°,δ14.00000°,λ43.00000°. NP2:ϕ_s214.00000°,δ80.00000°,λ100.00000°. Principal axes: T 1.0420,Plg53.0000°,Azm136.0000°; N 0.1410,Plg10.0000°,Azm32.0000°; P -1.1820,Plg35.0000°,Azm295.0000° $M_0$1.11200×10^{17}

ISC VIII 27 19 33 07.9–1.2 22.1S–.20 179.7W–.20 592 3.9b 22 5-68
NEIC VIII 27 19 33 08.1–1.7 22.2S–.20 179.6W–.10 590–13 4.1b **¶621072171**
IDC VIII 27 19 33 11.2–4.9 21.43S 179.96E 623–38 4.2,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=14.0km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=116.7km s-min=57.3km az=140.0.
ISC VIII 27 04 04 32.0–.39 25.44S–.05 179.66E–.08 507 4.4b 137 4-152
NEIC VIII 27 04 04 31.5–1.8 25.4S–.10 179.7E–.10 498–6 4.4b **¶621008331**
IDC VIII 27 04 04 32.1–2.1 25.33S 179.62E 504–21 4.7,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=14.8km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.2km s-min=11.7km az=78.0.
ISC VIII 30 19 41 12.1–.55 22.24S–.08 179.59W–.08 592 4.2b 60 5-147
NEIC VIII 30 19 41 11.4–2.3 22.21S–.10 179.5W–.10 576–9 4.3b **¶621076539**
IDC VIII 30 19 41 11.9–1.5 22.11S 179.53W 588–16 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=13.3km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.2km s-min=14.2km az=154.0.
IDC VIII 28 03 45 16.3–3.6 23.17S 177.49W 0 3.9b,3.9
¶621073085
IDC Error ellipse: s-maj=189.1km s-min=41.4km az=152.0.
ISC VIII 31 14 25 55.6–.66 24.2S–.10 179.7W–.10 500 4.2b 36 7-143
IDC VIII 31 14 25 55.4–3.2 24.43S 179.84W 493–25 4.4,3.5b **¶621076614**
NEIC VIII 31 14 25 57.3–1.2 24.1S–.10 179.7W–.10 523–10 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 03 22 32 19.9–.82 24.0S–.10 179.5W–.10 550 4.1b 29 7-85
NEIC IX 03 22 32 19.8–1.1 24.0S–.10 179.5W–.10 544–12 4.2b **¶621081593**
IDC IX 03 22 32 20.7–2.7 23.82S 179.64W 558–63 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=18.2km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=85.8km s-min=30.4km az=22.0.
ISC IX 01 17 13 18.8–.37 24.22S–.05 179.96W–.07 500 4.6b 289 5-156
IDC IX 01 17 13 19.4–1.2 24.15S 180.00W 505–11 4.6,3.8b **¶621013625**
NEIC IX 01 17 13 20.0–1.5 24.2S–.10 179.94W–.08 510–7 4.6b,3.8b
GFZ IX 01 17 13 20.4–.40 24S–4.0 180E–7.0 512 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 31 21 22 21.7–.45 23.79S–.06 179.37W–.09 450 4.1b 100 6-153
NEIC VIII 31 21 22 19.8–2.1 23.8S–.10 179.3W–.20 422–7 4.2b **¶621012667**
IDC VIII 31 21 22 21.2–2.5 23.74S 179.51W 427–24 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=16.6km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=15.1km az=123.0.
ISC IX 01 07 12 58.8–.80 23.72S–.09 179.9W–.10 550 4.3b 35 6-151
IDC IX 01 07 12 58.6–2.2 23.73S 179.89E 527–27 4.3,3.4b **¶621080602**
NEIC IX 01 07 12 59.3–1.8 23.7S–.10 179.9W–.10 552–11 4.4b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 00 38 00.2–1.8 23.6S–.30 179.8W–.30 532 3.6b 6 35-148
IDC IX 02 00 37 01.4–2.4 22.98S 178.44W 0 3.9b,3.9 **¶621080650**
ISC Event type se.
IDC Error ellipse: s-maj=64.5km s-min=44.1km az=23.0.
ISC IX 03 12 57 17.0–.50 23.21S–.07 179.5E–.10 553 3.9b 82 6-152
IDC IX 03 12 57 16.0–1.6 23.12S 179.40E 531–16 4.3,3.4b **¶621081566**
NEIC IX 03 12 57 16.7–1.0 23.2S–.10 179.5E–.10 542–11 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 05 10 57 34.2–1.2 23.4S–.20 178.5E–.20 550 3.6b 10 6-152
IDC IX 05 10 57 35.5–2.2 23.22S 178.65E 589–23 4.1,3.2b **¶621086406**
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=19.2km az=111.0.
ISC IX 04 02 15 12.5–.36 22.38S–.05 179.48W–.04 584–3 4.8b 727 5-171
BJI IX 04 02 15 10.2 22.31S 178.79W 588 5.1b,4.7b **¶621240945**
NOU IX 04 02 15 10.2 22.43S 179.21W 580 5.1b,4.7b
NEIC IX 04 02 15 12.8–1.9 22.43S–.09 179.5W–.10 576–5 4.6b,4.7b
GFZ IX 04 02 15 13.3–.49 22S–4.0 180W–8.0 590–7 5.2b,5.0
IDC IX 04 02 15 13.4–.45 22.45S 179.57W 584–4 5.2,4.2b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.9km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=10.8km s-min=9.4km az=89.0.
ISC IX 06 13 44 49.6–.56 23.12S–.08 179.35W–.08 526 4.4b 40 6-91
NEIC IX 06 13 44 49.9–1.6 23.1S–.10 179.3W–.10 528–8 4.5b **¶621094258**
IDC IX 06 13 44 52.7–2.2 22.49S 179.46W 590–44 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=15.9km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.1km s-min=25.4km az=2.0.
ISC IX 06 04 56 57.8–.41 26.70S–.05 177.46W–.09 150 4.3b 118 3-156
NEIC IX 06 04 56 57.3–1.9 26.65S–.09 177.3W–.20 147–6 4.6b **¶621240960**
IDC IX 06 04 57 04.2–3.4 26.29S 177.63W 199–29 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=12.8km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.0km s-min=15.2km az=107.0.
IDC IX 07 06 15 18.5–56 24.63S 176.76W 0 4.0b,4.0
¶621094303
IDC Error ellipse: s-maj=1038.0km s-min=196.0km az=90.0.
ISC IX 07 08 45 56.8–.43 24.25S–.06 179.61E–.08 550 4.6b 173 5-151
NEIC IX 07 08 45 56.8–1.5 24.3S–.10 179.6E–.10 542–5 4.9b **¶621039596**
GFZ IX 07 08 45 57.1–.42 24S–4.0 180E–6.0 546–6 4.3b,4.3
IDC IX 07 08 45 58.4–2.1 24.32S 179.22E 539–21 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=15.8km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.9km s-min=8.2km az=85.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=23.3km s-min=17.3km az=126.0.
IDC IX 07 18 29 10.9–14 19.70S 177.71E 392–91 3.8,3.3b
¶621094334
IDC Error ellipse: s-maj=524.0km s-min=140.7km az=33.0.
IDC IX 07 13 08 00.5–47 23.05S 176.34W 0 4.0b,4.0
¶621094326
IDC Error ellipse: s-maj=872.6km s-min=164.6km az=87.0.
ISC IX 09 03 37 02.8–.78 23.9S–.10 179.9W–.10 518 4.3b 32 6-90
IDC IX 09 03 37 02.9–15 23.83S 179.97W 520–186 4.3,3.4b **¶621105830**
NEIC IX 09 03 37 03.1–1.2 24.0S–.10 179.9W–.20 521–12 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 00 39 10.6–.63 22.0S–.10 179.7W–.10 592 3.8b 49 5-151
IDC IX 11 00 39 09.0–1.7 22.09S 179.64W 576–16 4.0,3.1b **¶621108549**
NEIC IX 11 00 39 09.9–1.2 22.26S–.09 179.6W–.10 578–9 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 00 20 59.9–.28 26.32S–.05 178.48E–.06 612 4.6b 414 4-167
BJI IX 10 00 19 53.6 25.90S 179.40W 33 5.3b,5.3b **¶621051051**
GFZ IX 10 00 20 59.8–.19 26S–3.0 178E–4.0 606 5.2b,4.7b
IDC IX 10 00 21 01.1–1.2 26.22S 178.33E 620–13 4.8,3.9b
NEIC IX 10 00 21 01.1–1.7 26.24S–.09 178.5E–.10 617–7 4.6b,3.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 11 23 54.0–.68 25.44S–.08 177.2W–.10 126 4.3b 62 4-153
NEIC IX 11 11 23 54.2–1.3 25.42S–.04 177.0W–.20 129–12 4.3b **¶621108581**
IDC IX 11 11 23 59.8–4.0 25.50S 177.29W 170–33 4.3,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=4.8km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.4km s-min=16.0km az=80.0.
ISC IX 11 21 16 22.8–3.1 22.6S–.30 179.2W–.40 600 3.9b 6 5-141
IDC IX 11 21 16 24.4–6.1 22.40S 179.43W 606–49 4.2,3.2b **¶621108601**
ISC Event type se.
IDC Error ellipse: s-maj=120.7km s-min=70.8km az=127.0.
ISC IX 14 05 21 46.8–.46 24.69S–.07 177.06W–.09 132 4.2b 76 5-154
NEIC IX 14 05 21 47.7–1.0 24.71S–.04 177.0W–.20 142–7 4.4b **¶621076674**
IDC IX 14 05 21 49.5–2.5 24.75S 177.07W 153–21 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=5.6km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.0km s-min=15.0km az=167.0.
ISC IX 12 01 43 57.0–1.1 26.5S–.20 177.4W–.20 100 3.5b 11 10-156
IDC IX 12 01 43 56.7–11 26.52S 177.36W 90–79 4.1L,3.7 **¶621109630**
ISC Event type se.
IDC Error ellipse: s-maj=112.4km s-min=34.1km az=159.0.
ISC IX 12 04 26 40.9–.49 24.3S–.10 179.9E–.10 517 3.8b 62 7-164
IDC IX 12 04 26 40.9–1.7 24.28S 179.85E 514–17 4.1,3.3b **¶621109632**
NEIC IX 12 04 26 41.5–2.0 24.4S–.10 179.9E–.20 513–5 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 13 14 43 23.5–.40 22.63S–.06 178.14W–.07 400 4.6b 219 6-152
NOU IX 13 14 43 10.6 22.66S 177.07W 331 4.6b **¶621072362**
NEIC IX 13 14 43 18.1–2.0 22.65S–.06 177.7W–.10 349–4 4.6b
GFZ IX 13 14 43 20.0–.29 23S–4.0 178W–5.0 323 5.1b,4.7b
IDC IX 13 14 43 27.6–2.4 22.68S 178.51W 406–23 4.8,4.0b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.1km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=18.5km s-min=15.5km az=89.0.
IDC IX 13 00 23 57.7–2.4 26.46S 176.66W 0 3.7b,3.7
¶621109687
IDC Error ellipse: s-maj=72.6km s-min=44.6km az=33.0.
ISC IX 15 02 38 40.7–.85 25.1S–.20 180.0W–.20 496 3.4b 13 42-150
IDC IX 15 02 38 43.6–9.4 25.22S 179.98W 521–97 3.7,2.9b **¶621111966**
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=25.3km az=56.0.
ISC IX 14 08 18 24.3–.84 24.4S–.20 179.9W–.10 505 3.5b 11 13-149
IDC IX 14 08 18 29.2–4.7 24.39S 179.84E 560–53 4.0,3.0b **¶621110826**
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=25.8km az=63.0.
IDC IX 15 00 21 02.1–15 24.82S 179.46E 550–113 3.8,2.8b
¶621111959
IDC Error ellipse: s-maj=283.9km s-min=32.0km az=147.0.
ISC IX 14 07 53 32.2–.48 22.23S–.08 179.55W–.08 592 4.2b 76 5-151
NEIC IX 14 07 53 30.9–2.0 22.3S–.10 179.4W–.10 575–6 4.2b **¶621073653**
IDC IX 14 07 53 33.3–1.1 22.16S 179.65W 600–12 4.6,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=15.6km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.9km s-min=11.7km az=161.0.
ISC IX 15 09 53 42.1–.46 24.04S–.07 179.42E–.08 537 4.2b 91 6-153
GFZ IX 15 09 53 41.7–.55 24S–5.0 180E–6.0 578–6 4.3b,4.1b **¶621076035**
IDC IX 15 09 53 44.0–1.4 23.86S 179.28E 556–15 4.4,3.5b
NEIC IX 15 09 53 43.2–1.1 24.1S–.10 179.4E–.10 537–6 4.1b,3.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 15 20 30 30.1–8.1 26.82S 176.39W 0 3.6b,3.6
¶621112010
IDC Error ellipse: s-maj=209.3km s-min=36.9km az=35.0.
IDC IX 15 15 45 56.7–2.3 26.68S 176.75W 0 3.9b,3.9
¶621111996
IDC Error ellipse: s-maj=66.6km s-min=37.5km az=40.0.
ISC IX 16 19 42 30.4–.48 23.72S–.04 179.71W–.04 516–4 5.0b 957 6-175
NOU IX 16 19 42 28.2 23.68S 179.68W 492 5.2b **¶621080873**
NEIC IX 16 19 42 30.7–2.2 23.85S–.09 179.67W–.10 512–5 4.9b
IDC IX 16 19 42 31.4–.91 23.76S 179.81W 518–8 5.1,4.4b
BJI IX 16 19 42 31.5 23.57S 179.28W 541 5.2b,5.1b
GFZ IX 16 19 42 32.3–.44 24S–5.0 180W–5.0 536–6 5.4b,5.3b
GCMT IX 16 19 42 35.2–.40 23.75S–.04 179.80W–.06 534–3 5.4W,5.3b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109161942A. Moment Tensor Solution. s52,c59;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.37±.05 $M_{\theta\theta}$0.47±.09; $M_{\phi\phi}$-0.09±.09; $M_{r\theta}$-0.10±.10; $M_{\theta\phi}$-0.40±.09; $M_{\phi r}$-1.65±.09; Best double couple: NP1:ϕ_s98.00000°,δ15.00000°,λ-168.00000°. NP2:ϕ_s357.00000°,δ87.00000°,λ-75.00000°. Principal axes: T 1.4740,Plg40.0000°,Azm73.0000°; N 0.4660,Plg15.0000°,Azm176.0000°; P -1.9400,Plg46.0000°,Azm282.0000° $M_0$1.70700×10^{17}
ISC IX 15 21 36 28.1–3.3 26.9S–.80 178.1W–.30 202 3.9b 7 10-85
IDC IX 15 21 36 07.4–3.0 28.34S 177.95W 0 4.1b,4.1 **¶621081283**
ISC Event type se.
IDC Error ellipse: s-maj=91.9km s-min=28.6km az=25.0.
IDC IX 17 06 44 49.8–9.5 23.13S 178.59W 154–57 4.4,3.7b
¶621112939
IDC Error ellipse: s-maj=214.9km s-min=27.5km az=144.0.
ISC IX 17 00 23 37.4–.65 24.54S–.08 176.5W–.10 250 4.1b 27 8-143
NEIC IX 17 00 23 36.2–.84 24.68S–.04 176.5W–.20 232–11 4.1b **¶621112920**
IDC IX 17 00 23 38.7–3.7 24.52S 176.41W 259–44 4.3,3.6b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=20.0km s-min=5.3km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.3km s-min=22.3km az=3.0.
ISC IX 18 01 33 04.2–1.5 22.4S–.30 177.9E–.50 450 8 5-147
IDC IX 18 01 33 07.9–9.1 21.93S 178.43E 458–58 3.5,2.9b **¶621113538**
ISC Event type se.
IDC Error ellipse: s-maj=205.3km s-min=32.9km az=154.0.
ISC IX 17 06 11 18.7–.39 22.27S–.06 179.67W–.06 579 4.5b 205 5-171
NEIC IX 17 06 11 18.6–1.7 22.3S–.10 179.6W–.10 568–8 4.4b **¶621080900**
IDC IX 17 06 11 19.8–.94 22.29S 179.74W 584–10 4.7,3.7b
GFZ IX 17 06 11 20.6–.28 22S–4.0 180W–5.0 593 5.0b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 18 08 46 50.0–1.6 24.0S–.20 179.7W–.30 550 3.6b 6 7-143
IDC IX 18 08 46 49.9–2.7 24.00S 179.73W 545–38 3.9,2.9b **¶621113554**
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=30.7km az=12.0.
ISC IX 21 11 53 36.4–.57 24.37S–.08 179.9E–.10 517 3.6b 21 7-149
IDC IX 21 11 53 37.1–1.8 24.27S 179.82E 524–20 4.1,3.1b **¶621116032**
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=16.4km az=115.0.
ISC IX 18 14 27 28.1–1.8 24.4S–.20 179.4E–.30 500 3.5b 6 7-66
IDC IX 18 14 27 28.3–3.9 24.39S 179.38E 506–84 3.9,3.0b **¶621113569**
ISC Event type se.
IDC Error ellipse: s-maj=92.7km s-min=35.0km az=25.0.
ISC IX 20 05 51 16.5–.39 23.51S–.06 179.15E–.07 555 4.5b 244 6-152
NEIC IX 20 05 51 16.7–1.1 23.48S–.08 179.3E–.10 555–6 4.5b **¶621083224**
GFZ IX 20 05 51 16.7–.37 23S–3.0 179E–6.0 564–6 4.5b,4.5
IDC IX 20 05 51 16.0–1.5 23.42S 179.03E 539–15 4.5,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.3km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.9km s-min=7.1km az=96.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=16.4km s-min=10.9km az=90.0.
ISC IX 21 12 50 38.7–.82 25.08S–.09 179.6E–.10 507 3.8b 13 7-144
IDC IX 21 12 50 40.4–1.7 24.89S 179.57E 530–21 4.2,3.3b **¶621116034**
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=14.2km az=17.0.
IDC IX 21 19 58 32.4–4.4 23.33S 177.81W 0 4.1b,4.1 ¶621116046
IDC Error ellipse: s-maj=103.1km s-min=37.9km az=38.0.
ISC IX 23 02 03 50.5–.39 24.41S–.05 179.04W–.08 400 4.3b 165 5-169
GFZ IX 23 02 03 48.8–.55 24S–3.0 179W–11 407–8 5.7,4.9b **¶621106377**
NEIC IX 23 02 03 49.5–1.9 24.43S–.08 179.0W–.20 380–6 4.4b,4.9b
IDC IX 23 02 03 50.2–2.2 24.37S 179.03W 389–20 4.4,3.6b
ISC Event type se.
GFZ Error ellipse: s-maj=23.8km s-min=7.1km az=84.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=11.1km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.0km s-min=14.1km az=113.0.
ISC IX 22 14 01 10.3–.51 23.39S–.06 179.34W–.08 536 4.0b 82 6-170
NEIC IX 22 14 01 10.3–1.1 23.5S–.10 179.6W–.20 508–11 4.0b **¶621118153**
IDC IX 22 14 01 10.2–1.7 23.48S 179.61W 505–18 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=15.9km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=15.9km az=66.0.
IDC IX 25 10 12 09.0–10 20.78S 179.00E 472–40 3.8,3.0b ¶621131450
IDC Error ellipse: s-maj=241.1km s-min=60.1km az=136.0.
ISC IX 23 08 36 13.0–.51 22.34S–.05 179.28W–.06 553–4 4.7b 426 5-171
NOU IX 23 08 36 10.2 22.41S 178.94W 549 4.9b **¶621106393**
NEIC IX 23 08 36 12.0–1.7 22.3S–.10 179.1W–.10 538–7 4.6b
GFZ IX 23 08 36 12.6–.35 22S–3.0 179W–3.0 549–4 5.2b,4.8b
IDC IX 23 08 36 13.1–.81 22.27S 179.35W 550–7 4.8,3.9b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=15.1km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.6km s-min=5.6km az=83.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=9.9km s-min=9.0km az=105.0.
ISC IX 23 20 01 08.7–1.1 24.1S–.20 177.4W–.20 200 3.6b 12 8-150
IDC IX 23 20 01 08.1–8.2 24.13S 177.40W 192–61 3.9,3.4b **¶621125878**
ISC Event type se.
IDC Error ellipse: s-maj=86.2km s-min=21.3km az=144.0.
ISC IX 24 11 33 19.3–.46 23.17S–.06 179.51W–.08 526 4.1b 109 6-145
IDC IX 24 11 33 19.9–1.5 23.20S 179.70W 513–17 4.3,3.4b **¶621109734**
NEIC IX 24 11 33 20.6–1.1 23.0S–.10 179.5W–.10 548–7 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 10 15 38.6–1.1 24.3S–.10 179.9E–.20 450 3.1b 7 7-91
IDC IX 23 10 15 37.9–2.6 24.32S 179.90E 435–32 3.7,2.8b **¶621125846**
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=26.7km az=93.0.
ISC IX 25 12 53 08.2–1.7 23.4S–.30 178.6W–.30 35 3.9b 6 43-142
IDC IX 25 12 53 03.9–3.1 23.56S 178.68W 0 3.8b,3.8 **¶621131453**
ISC Event type se.
IDC Error ellipse: s-maj=84.0km s-min=33.2km az=37.0.
ISC IX 28 17 27 01.3–.61 24.59S–.04 178.83W–.06 364–5 4.8b 574 5-169
NOU IX 28 17 26 55.0 24.33S 177.21W 436 5.2b **¶621239827**
GFZ IX 28 17 27 00.6–.44 25S–2.0 179W–2.0 348–4 4.9b,4.7b
NEIC IX 28 17 27 01.0–1.7 24.53S–.08 178.85W–.09 353–5 4.9b,4.7b
IDC IX 28 17 27 02.9–1.4 24.45S 178.95W 372–12 4.7,4.0b
ISC Event type se.
NOU South of Fiji Islands.
GFZ Error ellipse: s-maj=5.5km s-min=4.7km az=131.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.0km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.7km s-min=10.5km az=111.0.
ISC IX 26 07 13 12.3–2.1 24.8S–.10 179.6W–.30 465 3.4b 6 14-144
IDC IX 26 07 13 12.4–10 24.63S 179.90W 434–100 3.8,3.0b **¶621131498**
ISC Event type se.
IDC Error ellipse: s-maj=82.5km s-min=28.0km az=41.0.
ISC IX 25 13 46 32.2–.39 26.12S–.04 178.42E–.04 636–3 4.8b 608 4-167
NOU IX 25 13 46 30.4 26.03S 178.66E 655 5.1b **¶621109928**
BJI IX 25 13 46 30.6 26.13S 178.95E 653 4.9b,4.8b
GFZ IX 25 13 46 31.7–.35 26S–4.0 178E–6.0 641–8 5.4b,5.1b
NEIC IX 25 13 46 31.4–2.2 26.15S–.10 178.4E–.10 620–6 4.8b,5.1b
IDC IX 25 13 46 32.1–.57 26.15S 178.26E 627–5 5.1,4.1b
GCMT IX 25 13 46 32.5–.60 26.45S–.07 178.33E–.05 634–4 5.3W,4.1b
ISC Event type se.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109251346A. Moment Tensor Solution. s54,c60;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22±.05 $M_{\theta\theta}$0.56±.07; $M_{\phi\phi}$-0.78±.07; $M_{r\theta}$-0.30±.05; $M_{\theta\phi}$-0.41±.08; $M_{\phi r}$-0.64±.06; Best double couple: NP1:ϕ_s326.00000°,δ52.00000°,λ1.00000°. NP2:ϕ_s235.00000°,δ90.00000°,λ142.00000°. Principal axes: T 0.7390,Plg26.0000°,Azm183.0000° ; N 0.4930,Plg52.0000°,Azm55.0000°; P -1.2320,Plg26.0000°,Azm287.0000° $M_0$0.98500×10^{17}
ISC IX 28 05 42 47.5–.92 25.3S–.10 176.9W–.20 126 4.2b 14 9-148
IDC IX 28 05 42 48.0–3.9 25.40S 176.90W 131–33 4.3,3.9b **¶621140801**
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=21.5km az=85.0.
ISC IX 29 15 53 19.0–.82 23.5S–.10 180.0E–.10 500 4.0b 25 6-126
NEIC IX 29 15 53 20.5–1.6 23.4S–.20 179.9W–.10 532–14 4.0b **¶621146384**
IDC IX 29 15 53 21.4–2.6 23.23S 179.97E 545–35 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=14.4km az=186.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.6km s-min=23.1km az=168.0.
ISC IX 28 19 41 03.5–.46 22.49S–.05 179.57E–.05 582–5 4.8b 775 5-170
BJI IX 28 19 41 00.0 22.50S 179.70E 548 4.9b,4.8b **¶621112329**
NOU IX 28 19 41 02.4 22.26S 179.93E 621 5.0b,4.8b
NEIC IX 28 19 41 03.5–1.9 22.41S–.08 179.6E–.10 574–4 4.8b,4.8b
GFZ IX 28 19 41 03.9–.42 22S–4.0 180E–8.0 588–8 5.3b,4.9b
IDC IX 28 19 41 03.5–.62 22.38S 179.45E 572–6 4.9,4.1b
GCMT IX 28 19 41 06.5–.70 22.32S–.06 179.67E–.06 590–3 5.2W,4.1b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109281941A. Moment Tensor Solution. s51,c61;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.83±.34 $M_{\theta\theta}$1.23±.53; $M_{\phi\phi}$0.60±.57; $M_{r\theta}$-8.55±.45; $M_{\theta\phi}$0.53±.52; $M_{\phi r}$-2.22±.58; Best double couple: NP1:ϕ_s235.00000°,δ6.00000°,λ-110.00000°. NP2:ϕ_s75.00000°,δ85.00000°,λ-88.00000°. Principal axes: T 8.7990,Plg40.0000°,Azm163.0000° ; N 0.3820,Plg2.0000°,Azm255.0000°; P -9.1800,Plg50.0000°,Azm347.0000° $M_0$8.99000×10^{16}
ISC IX 30 15 12 27.3–.37 23.84S–.06 179.95E–.07 526 4.5b 242 6-164
GFZ IX 30 15 12 27.5–.43 24S–3.0 180E–5.0 536–6 4.9,4.5b **¶621113681**
IDC IX 30 15 12 28.6–1.5 23.69S 179.87E 531–15 4.6,3.7b
NEIC IX 30 15 12 28.9–1.3 23.79S–.10 179.9E–.10 536–6 4.6b,3.7b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 29 21 54 33.9–.68 24.09S–.09 179.9W–.10 518 3.9b 33 5-149
NEIC IX 29 21 54 35.9–1.3 24.2S–.10 179.9W–.10 539–12 4.1b **¶621146401**
IDC IX 29 21 54 36.7–6.2 24.04S 179.99W 555–69 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=7.4km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.7km s-min=27.1km az=21.0.
ISC X 01 17 53 04.7–1.6 23.70S–.10 177.0W–.20 167 3.7b 19 6-146
NEIC X 01 17 53 04.5–1.6 23.7S–.10 177.0W–.20 149–14 4.1b **¶621147839**
IDC X 01 17 53 08.7–4.9 23.56S 177.39W 191–42 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.8km s-min=14.1km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.1km s-min=39.7km az=120.0.
ISC X 02 15 08 04.2–.47 25.35S–.07 179.63E–.07 507 4.0b 69 4-148
IDC X 02 15 08 01.7–2.4 25.36S 179.69E 479–26 4.1,3.3b **¶621186072**
NEIC X 02 15 08 05.5–2.2 25.4S–.10 179.6E–.10 521–7 4.2b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 01 21 20 15.1–27 24.04S 179.79W 550–302 3.8,2.8b ¶621147848
IDC Error ellipse: s-maj=186.6km s-min=67.0km az=50.0.
ISC X 02 07 14 48.3–.41 21.13S–.07 175.29E–.07 550 4.3b 118 4-146
NEIC X 02 07 14 49.8–2.0 21.1S–.10 175.3E–.10 566–9 4.3b **¶621118248**
IDC X 02 07 14 50.4–1.2 21.21S 175.26E 574–14 4.6,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=15.6km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.4km s-min=10.5km az=2.0.
ISC X 02 21 13 12.8–1.1 23.3S–.30 180.0W–.20 532 3.6b 7 35-148
IDC X 02 21 13 15.0–12 23.34S 179.97E 556–141 3.8,2.9b **¶621186089**
ISC Event type se.
IDC Error ellipse: s-maj=62.1km s-min=33.6km az=57.0.
ISC X 03 03 16 27.8–.80 24.24S–.08 179.8W–.10 518 3.7b 27 5-151
IDC X 03 03 16 27.8–2.5 24.06S 179.79W 515–24 4.0,3.0b **¶621186106**
NEIC X 03 03 16 27.8–.78 24.12S–.06 179.7W–.20 513–11 4.2b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 03 13 24 17.8–.60 22.79S–.09 179.66W–.09 600 4.2b 45 5-90
NEIC X 03 13 24 16.9–.91 22.80S–.09 179.6W–.10 577–11 4.3b **¶621186131**
IDC X 03 13 24 17.7–1.9 22.71S 179.81W 584–24 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=8.2km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.2km s-min=19.7km az=24.0.
ISC X 04 18 32 03.7–.32 23.66S–.04 179.31E–.05 536–3 4.9b 551 6-164
NOU X 04 18 32 02.9 23.54S 179.63E 553 5.1b **¶621118335**
NEIC X 04 18 32 02.8–1.7 23.63S–.09 179.4E–.10 528–6 4.9b
GFZ X 04 18 32 04.0–.36 24S–3.0 179E–3.0 525–4 5.4b,4.9b
IDC X 04 18 32 04.0–.41 23.61S 179.12E 532–3 4.8,3.9b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.0km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=7.0km s-min=5.6km az=144.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=10.4km s-min=8.9km az=128.0.
IDC X 04 22 54 53.2–26 22.07S 178.54W 503–307 3.7,2.8b ¶621203141
IDC Error ellipse: s-maj=84.7km s-min=41.1km az=95.0.
IDC X 05 05 47 08.8–2.9 21.15S 178.57E 182–28 4.1,3.5b ¶621203158
IDC Error ellipse: s-maj=43.5km s-min=29.9km az=118.0.
IDC X 05 16 37 40.9–8.6 23.41S 179.29W 0 3.4b,3.4 ¶621203180
IDC Error ellipse: s-maj=363.3km s-min=43.7km az=148.0.
IDC X 08 01 30 51.4–12 23.92S 179.75E 650–163 3.7,2.7b ¶621224617
IDC Error ellipse: s-maj=67.2km s-min=36.0km az=67.0.
ISC X 11 08 05 37.9–1.2 24.6S–.10 179.9W–.10 505 3.9b 10 13-149
IDC X 11 08 05 40.2–4.2 24.59S 179.94E 536–48 4.2,3.2b **¶621236867**
ISC Event type se.
IDC Error ellipse: s-maj=40.1km s-min=26.1km az=8.0.
IDC X 08 10 34 28.5–5.3 23.47S 179.84E 501–39 3.9,3.0b ¶621224646
IDC Error ellipse: s-maj=261.7km s-min=30.1km az=163.0.

ISC X 08 10 51 38.3–.45 23.75S–.06 179.29E–.08 500 4.1b 107 6-151
NEIC X 08 10 51 39.2–.85 23.75S–.08 179.4E–.20 517–7 4.1b **¶621134205**
IDC X 08 10 51 41.8–1.6 23.63S 179.18E 539–18 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=11.5km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.4km s-min=14.2km az=158.0.
ISC X 08 11 36 37.3–.60 23.55S–.06 179.5E–.10 548 3.6b 71 6-148
IDC X 08 11 36 36.7–1.3 23.50S 179.43E 536–13 4.1,3.2b **¶621224652**
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=13.4km az=116.0.
ISC X 09 19 26 08.7–.69 24.06S–.08 179.4W–.10 512 4.2b 54 7-151
NEIC X 09 19 26 07.3–1.3 24.3S–.10 179.4W–.20 475–11 4.3b **¶621235344**
IDC X 09 19 26 08.2–2.2 23.97S 179.57W 487–24 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=15.7km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.9km s-min=20.5km az=137.0.
ISC X 08 03 26 00.7–.95 25.8S–.10 179.2W–.20 500 4.2b 25 8-92
IDC X 08 03 25 05.1–7.0 24.04S 178.19W 0 4.5b,4.5 **¶621224623**
NEIC X 08 03 26 00.7–.98 25.7S–.10 179.2W–.20 491–6 4.4b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 08 03 35 05.7–.60 26.03S–.07 179.8E–.10 500 4.0b 46 8-155
IDC X 08 03 35 05.8–2.2 26.02S 179.75E 497–23 4.5,3.5b **¶621224626**
NEIC X 08 03 35 05.6–1.1 26.0S–.10 179.9E–.20 492–8 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 11 11 42 01.5–.94 25.1S–.20 179.9E–.10 501 3.5b 10 13-94
IDC X 11 11 42 00.8–2.8 25.05S 179.92E 490–32 3.9,3.1b **¶621236876**
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=17.0km az=169.0.
ISC X 11 11 55 28.6–.84 24.7S–.10 180.0E–.10 517 3.9b 14 7-143
IDC X 11 11 55 28.8–1.7 24.74S 179.90E 517–21 4.3,3.4b **¶621236878**
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=14.1km az=8.0.
ISC X 15 06 18 06.1–.80 25.72S–.09 179.7E–.20 500 3.5b 12 8-150
IDC X 15 06 18 07.7–2.6 25.54S 179.65E 517–28 4.0,3.1b **¶621242041**
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=19.9km az=142.0.
ISC X 12 09 42 40.8–.60 24.70S–.09 179.8W–.10 505 4.2b 81 7-165
IDC X 12 09 42 40.3–2.9 24.53S 179.98W 486–31 4.6,3.5b **¶621236939**
NEIC X 12 09 42 42.1–.96 24.7S–.10 179.7W–.10 528–12 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 17 47 04.1–.36 24.34S–.05 179.96E–.07 517 4.5b 181 7-169
GFZ X 12 17 46 57.7–.39 24S–5.0 179W–6.0 535 4.7b,4.6b **¶621146430**
NEIC X 12 17 47 04.3–1.3 24.32S–.09 179.9W–.10 518–6 4.5b,4.6b
IDC X 12 17 47 04.3–1.3 24.28S 179.91E 507–12 4.6,3.7b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.8km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.4km s-min=12.9km az=97.0.
ISC X 14 06 22 01.8–.55 24.29S–.05 179.80W–.06 524–5 4.7b 250 7-169
GFZ X 14 06 22 00.8–.37 24S–3.0 180W–6.0 524 5.1b,4.8b **¶621148718**
IDC X 14 06 22 01.7–.79 24.28S 179.80W 515–7 4.8,3.9b
NEIC X 14 06 22 02.8–1.5 24.3S–.10 179.7W–.10 529–8 4.6b,3.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 11 29 19.5–2.0 23.1S–.20 179.4W–.30 600 3.9b 6 6-67
IDC X 13 11 29 19.6–2.8 23.13S 179.36W 600–83 4.3,3.3b **¶621238967**
ISC Event type se.
IDC Error ellipse: s-maj=119.3km s-min=33.6km az=24.0.
ISC X 14 07 19 18.3–.47 23.63S–.07 179.96E–.09 535 4.0b 73 6-153
NEIC X 14 07 19 18.1–1.7 23.8S–.10 179.9W–.10 520–8 4.2b **¶621240623**
IDC X 14 07 19 18.8–2.0 23.56S 179.98E 539–19 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=10.5km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.3km s-min=17.3km az=140.0.
ISC X 15 16 34 59.8–.81 23.0S–.10 179.3W–.10 526 4.2b 34 6-146
NEIC X 15 16 34 59.4–1.9 23.1S–.20 179.3W–.10 508–12 4.3b **¶621242071**
IDC X 15 16 35 01.0–2.3 22.48S 179.35W 552–51 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=15.2km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=83.0km s-min=27.3km az=23.0.
ISC X 16 13 54 26.3–.88 24.14S–.07 180.0E–.20 526 3.5b 63 7-149
IDC X 16 13 54 25.7–1.5 24.12S 179.83E 508–16 4.1,3.1b **¶621242125**
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=18.9km az=68.0.
ISC X 15 21 46 35.9–.89 24.0S–.10 179.9W–.10 518 4.2b 33 6-90
IDC X 15 21 46 36.7–1.8 23.90S 179.95E 525–17 4.2,3.4b **¶621242087**
NEIC X 15 21 46 37.1–1.4 23.9S–.10 179.8W–.20 550–14 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 11 58 22.8–.76 23.60S–.08 179.4W–.10 536 4.0b 53 6-66
NEIC X 16 11 58 22.7–.56 23.6S–.10 179.3W–.20 536–13 4.1b **¶621242120**
IDC X 16 11 58 25.8–2.2 23.07S 179.46W 574–49 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=15.4km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.4km s-min=21.2km az=16.0.
ISC X 16 18 59 40.3–1.1 24.4S–.20 180.0E–.20 517 3.4b 7 7-143
IDC X 16 18 59 42.4–2.6 24.22S 179.83E 544–32 3.8,2.9b **¶621242136**
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=23.8km az=165.0.
ISC X 19 20 36 21.2–.92 22.6S–.10 179.6W–.10 579 4.2b 35 5-80
NEIC X 19 20 36 21.8–1.2 22.6S–.20 179.5W–.20 590–12 4.2b **¶621244098**
IDC X 19 20 36 22.5–2.0 22.53S 179.64W 599–31 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=20.1km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.9km s-min=20.1km az=37.0.
ISC X 18 06 24 14.4–.38 25.53S–.04 179.99E–.04 480–4 4.9b 560 8-166
IDC X 18 06 24 13.4–.54 25.53S 179.86E 463–5 5.0,4.2b **¶621630061**
NOU X 18 06 24 13.9 25.41S 179.72W 504 5.2b,4.2b
BJI X 18 06 24 14.0 25.60S 180.00E 491 5.3b,4.9b
NEIC X 18 06 24 15.7–1.1 25.6S–.10 180.0E–.10 492–7 4.8b,4.9b
GFZ X 18 06 24 16.4–.47 25S–5.0 180E–5.0 508–7 5.4b,5.1b
GCMT X 18 06 24 18.4–.40 25.64S–.05 179.61E–.06 488–3 5.3W,5.1b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110180624A. Moment Tensor Solution. s47,c57;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.23±.04 $M_{\theta\theta}$-0.51±.07; $M_{\phi\phi}$0.28±.06; $M_{r\theta}$0.29±.05; $M_{\theta\phi}$-0.16±.05; $M_{\phi r}$-0.91±.05; Best double couple: NP1:ϕ_s243.00000°,δ16.00000°,λ4.00000°. NP2:ϕ_s149.00000°,δ89.00000°,λ106.00000°. Principal axes: T 1.2210,Plg44.0000°,Azm76.0000° ; N -0.5040,Plg16.0000°,Azm329.0000°; P -0.7150,Plg42.0000°,Azm224.0000° $M_0$0.96800×10^{17}
ISC X 20 13 05 48.4–.80 25.2S–.10 178.6E–.10 600 4.1b 39 7-154
IDC X 20 13 05 49.0–2.5 25.24S 178.48E 598–26 4.2,3.2b **¶621246601**
NEIC X 20 13 05 49.3–1.6 25.2S–.10 178.6E–.20 604–10 4.1b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 20 02 49 42.6–1.3 22.5S–.20 178.0W–.20 352 3.4b 6 6-147
IDC X 20 02 49 43.1–3.5 22.55S 178.05W 355–33 3.9,3.2b **¶621246585**
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=26.1km az=132.0.
ISC X 22 04 20 51.9–1.3 22.1S–.10 179.5W–.20 592 4.1b 26 5-147
NEIC X 22 04 20 50.6–2.0 22.2S–.20 179.2W–.20 586–21 4.3b **¶621309312**
IDC X 22 04 20 52.0–2.0 22.04S 179.51W 599–21 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.5km s-min=19.5km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.4km s-min=24.8km az=52.0.
IDC X 20 16 13 29.9–37 22.60S 179.58E 660–263 4.3,3.2b
¶621246608
IDC Error ellipse: s-maj=418.2km s-min=72.7km az=88.0.
IDC X 21 20 51 55.0–7.0 26.65S 177.94W 0 3.3b,3.3
¶621261426
IDC Error ellipse: s-maj=222.9km s-min=117.2km az=157.0.
ISC X 21 09 55 18.2–.71 25.10S–.07 180.0E–.10 501 4.1b 72 8-144
NEIC X 21 09 55 17.4–1.1 25.18S–.08 180.0W–.10 483–10 4.3b **¶621261400**
IDC X 21 09 55 18.1–2.2 25.17S 179.76E 483–25 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=7.4km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.6km s-min=16.7km az=62.0.
ISC X 21 08 10 44.5–.19 25.29S–.03 179.71E–.03 506–1 5.7b 1849 4-172
MOS X 21 08 10 41.8–.95 25.33S 179.62E 483 5.8b **¶621630065**
BJI X 21 08 10 42.6 25.40S 180.00W 500 5.7b,5.4b
NEIC X 21 08 10 43.9 25.25S 179.64E 495 5.7b,5.4b
NEIC X 21 08 10 43.9 25.25S 179.64E 495 5.7b,5.4b
NEIC X 21 08 10 43.9 25.25S 179.64E 495 5.7b,5.4b
IPGP X 21 08 10 43.0 25.24S 179.64E 509 6.1W,5.4b
NEIC X 21 08 10 43.0–1.3 25.32S–.10 179.6E–.10 487–2 6.1,5.7b
PTWC X 21 08 10 43 25.10S 180.00E 520 5.8,5.7b
GFZ X 21 08 10 44.2 25.25S 179.56E 508 6.1W,5.7b
NOU X 21 08 10 44.7 25.32S 179.60E 497 5.5,5.7b
IDC X 21 08 10 44.1–.29 25.27S 179.58E 499–2 5.9,5.1b
GFZ X 21 08 10 44.2–.33 25S–2.0 180E–2.0 487–3 6.0b,5.8
NEIC X 21 08 10 48.1 25.64S 179.14E 483 6.0,5.8
GCMT X 21 08 10 50.6–.10 25.24S–.01 179.71E–.01 508–0 6.1W,5.8
NEIC X 21 08 10 53.2 25.15S 179.64E 500 6.1,5.8
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=7.9km az=117.7.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s91.00000°,δ25.00000°,λ156.00000°. NP2:ϕ_s203.00000°,δ80.00000°,λ67.00000°.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=15.5km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.56 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$-0.15 $M_{r\theta}$-0.46 $M_{\theta\phi}$-0.62 $M_{\phi r}$-1.67 NP1:ϕ_s82.74000°,δ19.88000°,λ152.72000°. NP2:ϕ_s198.62000°,δ81.03000°,λ72.19000°. Principal axes: T 1.9187,Plg51.0000°,Azm89.0000° ; N -0.0117,Plg18.0000°,Azm201.0000°; P -1.9069,Plg34.0000°,Azm304.0000° $M_0$1.91000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.34 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.19 $M_{r\theta}$-0.57 $M_{\theta\phi}$-0.54 $M_{\phi r}$-1.28 NP1: ϕ_s202.69009°,δ81.21280°,λ76.49666°. NP2:ϕ_s80.22765°,δ16.06604°,λ146.49525°. Principal axes: T 1.3831,Plg51.9535°,Azm97.1504°; N 0.2518,Plg13.3419°,Azm204.7910° ; P -1.6349,Plg34.8527°,Azm304.2973° $M_0$1.52468×10^{18}
NOU South of Fiji Islands.
IDC Error ellipse: s-maj=7.6km s-min=6.6km az=91.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 5s7 Moment tensor: Scale 10^{18}Nm; M_{rr}0.30 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-0.05 $M_{r\theta}$-0.28 $M_{\theta\phi}$-0.57 $M_{\phi r}$-1.16 NP1:ϕ_s88.71000°,δ24.76000°,λ161.88000°. NP2:ϕ_s195.25000°,δ82.51000°,λ66.33000°. Principal axes: T 1.3122,Plg47.0000°,Azm81.0000°; N 0.0687,Plg23.0000°,Azm199.0000° ; P -1.3810,Plg33.0000°,Azm305.0000° $M_0$1.35000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202110210810A. Moment Tensor Solution. s163,c370; s131,c182;Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}0.44±.01 $M_{\theta\theta}$-0.56±.01; $M_{\phi\phi}$0.11±.01; $M_{r\theta}$-0.51±.01; $M_{\theta\phi}$-0.78±.01; $M_{\phi r}$-1.50±.01; Best double couple: NP1:ϕ_s95.00000°,δ27.00000°,λ162.00000°. NP2:ϕ_s201.00000°,δ82.00000°,λ64.00000°. Principal axes: T 1.7990,Plg47.0000°,Azm84.0000°; N 0.0780,Plg26.0000°,Azm205.0000° ; P -1.8760,Plg32.0000°,Azm313.0000° $M_0$1.83800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-0.21 $M_{r\theta}$-0.42 $M_{\theta\phi}$-0.53 $M_{\phi r}$-1.35 NP1:ϕ_s78.16000°,δ19.54000°,λ146.36000°. NP2:ϕ_s200.25000°,δ79.32000°,λ73.54000°. Principal axes: T 1.5640,Plg53.0000°,Azm91.0000°; N 0.0310,Plg16.0000°,Azm203.0000° ; P -1.5950,Plg32.0000°,Azm304.0000° $M_0$1.58000×10^{18}
IDC X 21 08 22 36.8–16 24.09S 177.77W 309–90 4.1,3.4b
¶621261393
IDC Error ellipse: s-maj=288.0km s-min=107.0km az=92.0.
IDC X 21 08 22 43.5–15 24.43S 176.92W 339–80 4.4,3.7b
¶621261396
IDC Error ellipse: s-maj=253.8km s-min=93.9km az=90.0.
ISC X 22 01 56 37.0–1.3 25.4S–.10 179.6E–.20 450 4.0b 22 8-148
IDC X 22 01 56 37.3–2.5 25.50S 179.35E 449–30 4.3,3.5b **¶621309307**
NEIC X 22 01 56 38.4–1.8 25.3S–.10 179.7E–.20 488–16 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 22 15 49 46.9–22 24.17S 179.24E 437–286 3.9,3.1b
¶621309330
IDC Error ellipse: s-maj=715.3km s-min=98.3km az=94.0.
ISC X 22 08 28 54.3–.38 26.08S–.06 178.51E–.07 600 4.3b 176 8-154
GFZ X 22 08 28 53.8–.34 26S–3.0 179E–4.0 597–5 4.3b,4.3 **¶621630067**
NEIC X 22 08 28 54.7–1.6 26.03S–.10 178.6E–.20 597–9 4.3b,4.3
IDC X 22 08 28 55.5–1.4 26.03S 178.33E 601–16 4.3,3.4b
ISC Event type se.
GFZ Error ellipse: s-maj=8.8km s-min=6.1km az=100.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=13.2km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.5km s-min=11.5km az=146.0.
IDC X 24 13 50 28.8–6.2 25.89S 177.09W 189–67 3.6,3.0b
¶621366396
IDC Error ellipse: s-maj=61.2km s-min=41.9km az=31.0.
ISC X 24 04 27 30.9–.71 23.50S–.09 179.9W–.10 532 3.7b 25 6-148
IDC X 24 04 27 32.9–1.7 23.35S 179.93W 557–19 4.1,3.1b **¶621366373**
ISC Event type se.

IDC Error ellipse: s-maj=17.2km s-min=15.5km az=140.0.
ISC X 24 00 42 05.4–.77 26.30S–.08 178.5E–.10 600 4.0b 40 9-151
NEIC X 24 00 42 05.0–.94 26.2S–.10 178.5E–.20 582–8 4.2b **¶621366366**
IDC X 24 00 42 04.4–2.0 26.21S 178.45E 573–21 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=18.3km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=18.6km az=98.0.
ISC X 24 19 47 10.8–.52 21.86S–.08 179.93E–.08 600 4.2b 91 4-151
NEIC X 24 19 47 10.4–1.8 21.8S–.20 180.0E–.10 588–12 4.2b **¶621238326**
IDC X 24 19 47 11.9–1.1 21.84S 179.69E 591–14 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=16.7km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=14.3km az=7.0.
ISC X 27 07 32 06.2–.35 24.53S–.05 179.98E–.06 500 4.5b 218 7-153
GFZ X 27 07 32 05.5–.28 25S–3.0 180W–4.0 523 5.3b,4.8b **¶621241211**
NEIC X 27 07 32 06.6–2.3 24.64S–.09 179.9W–.10 499–6 4.5b,4.8b
IDC X 27 07 32 08.5–1.2 24.58S 179.76E 519–13 4.6,3.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.6km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.5km s-min=10.7km az=139.0.
ISC X 25 16 05 10.7–.27 24.05S–.04 179.97E–.05 526 4.7b 573 7-164
NOU X 25 16 05 07.4 23.88S 179.43W 542 4.7b **¶621239133**
GFZ X 25 16 05 12.0–.42 24S–3.0 180E–3.0 532–5 5.0b,4.7b
NEIC X 25 16 05 11.1–1.4 24.14S–.08 180.0E–.10 525–6 4.7b,4.7b
IDC X 25 16 05 11.1–.98 24.01S 179.90E 522–9 4.9,4.0b
ISC Event type se.
NOU South of Fiji Islands.
GFZ Error ellipse: s-maj=7.2km s-min=6.1km az=81.2. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=12.2km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.1km s-min=9.6km az=89.0.
ISC X 26 14 20 50.0–.94 24.0S–.10 180.0E–.10 526 3.9b 21 6-90
NEIC X 26 14 20 48.5–1.1 24.18S–.04 179.8W–.20 503–18 4.1b **¶621366476**
IDC X 26 14 20 49.6–3.2 23.95S 179.96E 517–41 3.9,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.3km s-min=3.2km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.0km s-min=25.2km az=166.0.
ISC X 27 17 21 21.4–.84 26.18S–.09 179.8E–.20 475 3.5b 43 9-151
IDC X 27 17 21 18.9–2.7 26.17S 179.86E 438–29 4.0,3.1b **¶621385472**
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=16.0km az=88.0.
ISC X 27 13 28 08.5–.66 24.07S–.09 179.6W–.10 512 3.6b 17 13-145
IDC X 27 13 28 08.8–2.9 24.05S 179.87W 506–32 4.0,3.1b **¶621385465**
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=17.5km az=76.0.
ISC X 29 15 23 22.9–.46 23.69S–.06 179.59W–.08 536 4.4b 117 6-152
NEIC X 29 15 23 22.8–1.8 23.7S–.10 179.6W–.10 530–8 4.6b **¶621244128**
IDC X 29 15 23 22.9–1.6 23.69S 179.79W 522–16 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=15.3km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.6km s-min=14.1km az=141.0.
IDC X 27 15 47 45.8–25 24.03S 179.11W 327–192 4.1,3.5b
¶621385471
IDC Error ellipse: s-maj=208.7km s-min=31.5km az=41.0.
ISC X 30 00 24 34.7–1.2 22.5S–.20 179.7W–.20 550 3.4b 6 5-89
IDC X 30 00 24 36.5–2.5 22.27S 179.82W 577–34 3.8,2.9b **¶621395148**
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=25.4km az=167.0.
ISC XI 02 03 38 54.1–.70 24.16S–.09 179.9W–.10 518 3.9b 28 7-145
NEIC XI 02 03 38 54.5–1.1 24.1S–.10 179.83W–.05 513–9 4.1b **¶621401321**
IDC XI 02 03 38 55.0–2.2 24.04S 179.94E 520–25 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=4.9km az=165.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.6km s-min=24.7km az=150.0.
IDC X 31 19 17 19.0–9.1 25.29S 179.30E 350–49 3.7,2.9b
¶621395265
IDC Error ellipse: s-maj=135.6km s-min=29.8km az=131.0.
ISC XI 01 03 42 19.1–.68 24.28S–.08 180.0E–.10 500 3.7b 34 5-148
IDC XI 01 03 42 18.8–1.8 24.36S 179.97W 499–20 4.2,3.2b **¶621401247**
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=16.2km az=91.0.
ISC X 31 23 39 39.5–.55 25.33S–.09 179.27E–.10 507 4.1b 59 5-148
IDC X 31 23 38 38.7–1.7 24.11S 178.76W 0 3.9b,3.9 **¶621395277**
NEIC X 31 23 39 39.1–1.6 25.3S–.20 179.2E–.10 497–12 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 01 05 25 36.4–1.3 24.3S–.20 180.0W–.20 500 3.8b 8 13-91
IDC XI 01 05 25 38.1–4.5 24.22S 179.89E 523–51 4.2,3.3b **¶621401250**
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=26.4km az=20.0.
ISC XI 01 13 48 49.7–.33 23.97S–.05 179.85W–.06 518 4.5b 308 6-155
GFZ XI 01 13 48 48.7–.34 24S–3.0 180W–4.0 508–5 4.6b,4.5 **¶621246748**
NEIC XI 01 13 48 49.5–1.4 24.04S–.08 179.8W–.10 506–6 4.6b,4.5
IDC XI 01 13 48 49.8–1.2 23.97S 179.95W 507–10 4.6,3.7b
ISC Event type se.
GFZ Error ellipse: s-maj=8.5km s-min=5.4km az=99.1. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=12.2km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.1km s-min=11.1km az=102.0.
ISC XI 03 04 38 17.6–.54 24.24S–.06 176.10W–.08 41–3 4.8b,3.8s 113 5-152
IDC XI 03 04 38 11.5–.53 24.16S 176.23W 0 4.6L,4.5 **¶621370850**
NEIC XI 03 04 38 17.5–1.4 24.24S–.06 175.78W–.10 35–1 4.9b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 02 02 25 54.6–.64 23.31S–.07 179.8E–.10 535 4.5b 76 6-90
NEIC XI 02 02 25 55.8–1.2 23.2S–.10 179.70E–.10 551–10 4.6b **¶621252437**
IDC XI 02 02 25 55.4–2.0 23.32S 179.59E 538–24 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=12.7km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=19.8km az=72.0.
ISC XI 05 10 05 51.3–.33 23.72S–.05 179.99E–.07 550 4.2b 306 6-164
GFZ XI 05 10 05 50.2–.41 24S–4.0 180W–6.0 545–7 4.8,4.0b **¶621883480**
NEIC XI 05 10 05 51.2–.96 23.6S–.10 180.0W–.10 549–7 4.3b,4.0b
IDC XI 05 10 05 51.7–1.2 23.68S 179.81E 536–13 4.4,3.6b
ISC Event type se.
GFZ Error ellipse: s-maj=13.2km s-min=7.5km az=82.0. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=17.0km s-min=15.2km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.5km s-min=10.2km az=132.0.
ISC XI 04 03 23 49.0–.42 22.46S–.07 179.49W–.08 579 4.3b 126 5-152
NEIC XI 04 03 23 49.5–1.6 22.4S–.10 179.5W–.10 576–6 4.4b **¶621412272**
IDC XI 04 03 23 50.9–1.1 22.31S 179.68W 592–11 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=15.6km az=132.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=10.7km az=155.0.
ISC XI 04 11 48 10.1–1.1 24.3S–.10 179.7E–.10 531 4.2b 30 5-91
IDC XI 04 11 47 15.8–2.1 23.29S 179.53W 0 4.0b,4.0 **¶621412296**
NEIC XI 04 11 48 08.6–1.3 24.1S–.10 180.0E–.10 526–14 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 05 01 15 49.7–.47 23.08S–.06 178.83W–.09 426 4.2b 75 6-151
NEIC XI 05 01 15 50.0–2.3 23.1S–.10 178.92W–.08 427–9 4.5b **¶621361550**
IDC XI 05 01 15 52.4–2.2 23.02S 179.27W 442–21 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.2km az=178.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.8km s-min=18.8km az=105.0.
ISC XI 03 17 47 26.5–.38 24.88S–.06 179.81E–.10 501 3.9b 127 5-154
IDC XI 03 17 47 26.0–1.5 24.88S 179.69E 493–16 4.2,3.3b **¶621883471**
NEIC XI 03 17 47 26.6–1.8 24.9S–.10 179.9E–.20 504–7 4.3b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 07 07 45 52.1–.47 25.51S–.06 179.98E–.08 493 4.1b 87 4-152
NEIC XI 07 07 45 52.7–1.6 25.5S–.10 179.9W–.20 503–8 4.3b **¶621883491**
IDC XI 07 07 45 53.0–1.8 25.41S 179.88E 499–20 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=12.0km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=13.1km az=123.0.
ISC XI 05 19 08 52.0–1.3 24.8S–.10 179.8E–.20 500 4.0b 32 7-148
IDC XI 05 19 08 52.0–3.1 24.85S 179.48E 472–35 4.0,3.3b **¶621413989**
NEIC XI 05 19 08 52.3–1.5 24.8S–.10 179.9E–.20 499–16 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 05 19 18 50.2–4.0 23.78S 178.45W 310–40 3.7,2.9b
¶621413991
IDC Error ellipse: s-maj=44.0km s-min=38.5km az=25.0.
ISC XI 06 20 32 52.5–.46 24.34S–.04 179.93E–.05 518–4 4.8b 548 5-164
NEIC XI 06 20 32 52.9–1.2 24.34S–.09 179.9E–.10 514–5 4.7b **¶621883487**
BJI XI 06 20 32 52.0 24.50S 179.90E 523 4.7b
NOU XI 06 20 32 52.9 24.45S 179.88E 518 4.8b
IDC XI 06 20 32 52.2–.59 24.35S 179.91E 511–5 4.9,4.1b
GFZ XI 06 20 32 53.7–.44 24S–4.0 180E–5.0 529–6 5.2b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 08 16 02 51.3–.36 25.63S–.05 178.56W–.07 350 4.5b 321 4-157
NEIC XI 08 16 02 49.7–1.3 25.58S–.06 178.4W–.10 332–5 4.5b **¶621883496**
IDC XI 08 16 02 50.9–1.9 25.54S 178.78W 333–17 4.6,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=8.4km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.8km s-min=11.1km az=95.0.
ISC XI 10 09 21 19.2–1.6 23.2S–.20 179.6W–.30 600 3.8b 22 6-67
IDC XI 10 09 21 20.0–2.1 22.66S 179.55W 625–63 4.0,3.0b **¶621440056**
ISC Event type se.
IDC Error ellipse: s-maj=93.4km s-min=23.4km az=26.0.
ISC XI 08 20 55 51.3–.67 22.3S–.10 179.3W–.10 579 4.1b 43 5-152
NEIC XI 08 20 55 51.3–1.8 22.34S–.10 179.2W–.20 577–7 4.3b **¶621423120**
IDC XI 08 20 55 51.7–2.5 22.39S 179.43W 580–21 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=12.0km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.5km s-min=22.9km az=131.0.
ISC XI 09 11 03 52.6–.44 24.19S–.06 179.86E–.08 526 4.1b 92 5-151
IDC XI 09 11 03 52.5–1.1 24.15S 179.68E 517–11 4.3,3.4b **¶621423148**
NEIC XI 09 11 03 52.6–.98 24.13S–.04 179.9E–.20 519–8 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 10 19 08 14.9–2.5 25.4S–.30 179.6E–.30 500 3.3b 28 12-84
IDC XI 10 19 08 00.7–29 23.36S 178.90W 474–304 3.7,2.9b **¶621399204**
ISC Event type se.
IDC Error ellipse: s-maj=344.2km s-min=78.7km az=36.0.
ISC XI 11 07 19 11.1–1.2 24.2S–.20 179.8E–.20 600 3.7b 6 14-149
IDC XI 11 07 19 12.1–12 24.29S 179.85E 624–160 4.0,3.0b **¶621449511**
ISC Event type se.
IDC Error ellipse: s-maj=135.5km s-min=33.7km az=9.0.
IDC XI 12 21 22 00.9–73 22.15S 176.72E 0 4.0b,4.0
¶621460224
IDC Error ellipse: s-maj=1284.0km s-min=147.5km az=83.0.
ISC XI 12 14 00 11.2–1.0 23.3S–.10 177.3W–.10 350 3.6b 8 7-79
IDC XI 12 14 00 10.2–4.1 23.47S 176.98W 333–54 4.2,3.5b **¶621460211**
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=22.7km az=5.0.
ISC XI 12 05 59 15.9–.40 24.52S–.06 179.80W–.07 500 4.0b 98 5-154
IDC XI 12 05 59 16.6–1.3 24.57S 179.97E 502–13 4.3,3.5b **¶621883520**
NEIC XI 12 05 59 16.5–2.1 24.6S–.10 179.8W–.20 501–9 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 19 45 51.6–.43 23.59S–.04 179.79W–.05 529–4 4.9b 629 6-175
BJI XI 13 19 45 48.8 23.58S 179.08W 528 4.7b,4.6b **¶621883532**
NEIC XI 13 19 45 50.3–1.6 23.57S–.09 179.8W–.10 508–5 4.9b,4.6b
NOU XI 13 19 45 50.8 23.57S 179.57W 542 4.9b,4.6b
IDC XI 13 19 45 52.0–.69 23.56S 179.85W 524–6 4.7,3.8b
GFZ XI 13 19 45 52.4–.28 24S–3.0 180W–4.0 549 5.2b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 12 15 19 11.5–.41 23.25S–.05 179.17W–.08 500 4.0b 132 6-152
IDC XI 12 15 19 10.3–1.5 23.39S 179.20W 479–15 4.2,3.1b **¶621401794**
NEIC XI 12 15 19 12.0–2.3 23.3S–.10 179.2W–.10 500–7 4.3b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 09 57 18.7–.68 22.42S–.08 178.0W–.20 350 3.6b 42 6-151
IDC XI 14 09 57 06.8–8.0 22.16S 177.94W 233–74 4.1,3.5b **¶621468665**
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=22.5km az=178.0.
ISC XI 14 04 27 49.4–.90 23.64S–.09 179.8W–.10 532 4.0b 36 6-151

NEIC XI 14 04 27 51.2–1.4 23.7S–.20 179.7W–.10 558–12 4.1b ¶621468642
IDC XI 14 04 27 51.0–2.1 23.33S 179.80W 564–23 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=8.4km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.0km s-min=22.0km az=22.0.
ISC XI 16 04 24 45.5–.58 22.70S–.08 179.62W–.09 579 4.3b 73 5-150
GFZ XI 16 04 24 44.7–.45 23S–4.0 180W–7.0 582–6 5.7b,5.2 ¶621409302
NEIC XI 16 04 24 45.2–1.9 22.8S–.10 179.5W–.10 568–9 4.3b,5.2
IDC XI 16 04 24 45.6–2.0 22.59S 179.65W 578–23 4.3,3.3b
ISC Event type se.
GFZ Error ellipse: s-maj=14.7km s-min=8.3km az=107.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=19.7km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.4km s-min=19.8km az=147.0.
ISC XI 14 04 58 52.3–.83 22.09S–.09 177.8W–.10 373 4.0b 40 6-152
NEIC XI 14 04 58 48.5–1.8 22.0S–.10 177.7W–.10 327–8 4.2b ¶621468645
IDC XI 14 04 58 55.2–3.2 21.95S 177.97W 394–28 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=11.6km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.8km s-min=21.3km az=140.0.
ISC XI 14 05 56 55.0–.86 22.1S–.10 176.7W–.10 10 4.3b 21 7-145
IDC XI 14 05 56 50.9–5.3 22.85S 176.26W 0 4.0L,4.0 ¶621468648
NEIC XI 14 05 56 55.6–.92 22.09S–.08 176.69W–.08 10–2 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 17 08 28 42.5–.31 23.74S–.05 179.39E–.06 550 4.4b 266 6-169
NEIC XI 17 08 28 41.0–1.9 23.76S–.05 179.4E–.10 520–6 4.6b ¶621883542
GFZ XI 17 08 28 41.8–.45 24S–4.0 179E–4.0 528–5 5.1b,4.5b
IDC XI 17 08 28 43.5–1.2 23.69S 179.20E 548–12 4.5,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=6.7km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.0km s-min=8.2km az=154.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=12.0km s-min=9.8km az=131.0.
IDC XI 16 02 02 16.4–5.0 22.32S 176.53W 0 4.0,3.9b
¶621475656
IDC Error ellipse: s-maj=210.2km s-min=38.7km az=143.0.
IDC XI 17 19 15 36.3–4.7 24.49S 179.77E 462–27 4.2,3.3b
¶621494228
IDC Error ellipse: s-maj=85.7km s-min=34.6km az=133.0.
ISC XI 17 19 39 01.4–1.1 25.3S–.10 179.6E–.20 507 3.7b 7 8-91
IDC XI 17 19 39 00.2–2.5 25.28S 179.55E 480–30 4.0,3.2b ¶621494230
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=25.4km az=129.0.
ISC XI 20 06 27 22.7–.43 23.79S–.07 179.56W–.08 512 4.1b 98 6-153
NEIC XI 20 06 27 22.1–1.7 23.8S–.10 179.4W–.20 500–9 4.1b ¶621883564
IDC XI 20 06 27 23.6–2.0 23.66S 179.60W 512–20 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=18.3km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.3km s-min=15.8km az=143.0.
ISC XI 18 21 33 44.8–.67 24.33S–.07 176.3W–.10 43 4.2b,3.5s 33 5-151
IDC XI 18 21 33 38.5–1.0 24.26S 176.25W 0 4.2b,4.2 ¶621532503
NEIC XI 18 21 33 44.3–.81 24.30S–.08 176.3W–.20 33–5 4.1b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 23 08 17 46.3–.49 24.30S–.06 179.79E–.08 517 4.3b 114 5-169
GFZ XI 23 08 17 45.2–.66 24S–6.0 180E–10 500–8 4.3b,4.1b ¶621449126
IDC XI 23 08 17 45.6–1.4 24.26S 179.81E 503–13 4.5,3.6b
NEIC XI 23 08 17 46.4–1.9 24.2S–.10 179.9E–.10 516–8 4.5b,3.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 20 10 11 43.8–.88 25.8S–.10 177.1W–.10 100 4.5b 26 4-77
NEIC XI 20 10 11 42.7–.56 25.7S–.10 176.8W–.20 99–10 4.6b ¶621590350
IDC XI 20 10 12 04.7–4.8 25.29S 176.93W 332–67 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=18.1km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.4km s-min=23.4km az=26.0.
ISC XI 21 00 20 02.9–1.2 25.3S–.20 179.8E–.30 500 3.4b 24 4-150
IDC XI 21 00 19 59.9–18 25.27S 179.84E 458–179 3.8,2.9b ¶621608885
ISC Event type se.
IDC Error ellipse: s-maj=105.6km s-min=27.5km az=53.0.
IDC XI 20 13 57 16.6–2.9 23.75S 179.86W 595–87 3.9,2.9b
¶621590364
IDC Error ellipse: s-maj=112.2km s-min=35.8km az=24.0.
IDC XI 24 16 01 02.5–14 23.60S 179.17E 384–126 3.9,3.0b
¶621613995
IDC Error ellipse: s-maj=389.4km s-min=86.1km az=97.0.
ISC XI 26 10 47 08.7–.40 23.52S–.06 179.92W–.07 532 4.1b 151 6-170
NEIC XI 26 10 47 08.9–1.4 23.5S–.10 179.9W–.10 524–8 4.0b ¶621621994
IDC XI 26 10 47 09.8–1.2 23.40S 179.99E 536–12 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=16.3km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.5km s-min=11.7km az=145.0.
IDC XI 24 22 17 35.9–55 23.26S 177.55W 0 3.8b,3.8
¶621614009
IDC Error ellipse: s-maj=1006.0km s-min=174.4km az=87.0.
ISC XI 27 19 28 15.4–1.4 24.87S–.10 179.8E–.30 501 3.6b 12 7-148
IDC XI 27 19 28 15.7–2.6 24.88S 179.84E 508–24 4.1,3.1b ¶621625143
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=22.2km az=116.0.
ISC XI 27 14 57 59.5–2.0 24.5S–.10 179.6E–.30 531 3.6b 6 7-42
IDC XI 27 14 57 57.9–6.2 24.35S 179.84W 576–118 4.0,2.8b ¶621625130
ISC Event type se.
IDC Error ellipse: s-maj=212.2km s-min=41.4km az=76.0.
ISC XI 27 07 46 17.7–.72 23.5S–.10 179.6E–.10 548 4.1b 24 6-93
IDC XI 27 07 45 21.5–2.0 22.88S 179.58W 0 4.1b,4.1 ¶621625114
NEIC XI 27 07 46 12.7–1.9 23.4S–.10 179.6E–.10 477–6 4.1b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 29 07 40 07.1–.57 25.49S–.08 179.7E–.10 507 3.5b 56 4-150
IDC XI 29 07 40 08.1–1.9 25.46S 179.52E 517–20 4.1,3.1b ¶621626960
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=14.7km az=91.0.
ISC XII 02 02 10 53.8–.65 23.0S–.10 179.9E–.10 600 4.2b 33 5-92
NEIC XII 02 02 10 51.6–1.4 23.22S–.04 180.0W–.10 560–11 4.2b ¶621629864
IDC XII 02 02 10 55.1–4.4 22.61S 179.63E 596–45 4.1,3.2b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=17.3km s-min=5.4km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=106.9km s-min=20.7km az=152.0.
ISC XI 29 06 32 24.0–.28 24.12S–.04 179.89E–.05 526 4.5b 356 5-169
NOU XI 29 06 32 22.2 24.17S 179.91W 543 4.8b ¶621481049
GFZ XI 29 06 32 24.1–.21 24S–3.0 180E–4.0 521 5.3b,4.7
IDC XI 29 06 32 25.4–.86 24.16S 179.75E 529–8 4.7,3.8b
NEIC XI 29 06 32 26.1–1.1 24.15S–.10 179.8E–.10 538–7 4.5b,3.8b
ISC Event type se.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 03 16 58 23.7–.54 23.53S–.06 176.12W–.10 33 4.3b,4.0s 45 6-151
NEIC XII 03 16 58 25.2–2.0 23.61S–.07 176.0W–.10 47–8 4.4b,4.0s ¶621630608
IDC XII 03 16 58 34.9–4.5 23.37S 176.40W 126–37 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=10.8km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.0km s-min=19.2km az=137.0.
ISC XII 03 05 27 31.5–.43 24.30S–.06 179.97E–.08 517 4.3b 137 5-169
IDC XII 03 05 27 30.9–1.2 24.29S 179.88E 507–11 4.4,3.6b ¶621611347
GFZ XII 03 05 27 31.3–.58 24S–5.0 180E–7.0 512–7 6.7,6.5
NEIC XII 03 05 27 32.1–1.7 24.3S–.10 180.0W–.10 518–9 4.3b,6.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 03 12 32 16.3–1.1 25.93S–.08 179.4W–.20 35 4.3b 40 4-149
IDC XII 03 12 32 04.7–1.6 25.43S 176.75W 0 4.4b,4.4 ¶621630596
ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=28.6km az=54.0.
ISC XII 03 20 54 17.4–.88 24.5S–.10 179.9W–.10 550 3.8b 25 5-148
NEIC XII 03 20 54 18.6–1.1 24.7S–.20 180.0E–.20 531–13 4.2b ¶621630620
IDC XII 03 20 54 21.9–6.0 23.80S 179.55E 556–51 4.0,2.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.6km s-min=23.1km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=127.9km s-min=23.5km az=155.0.
ISC XII 05 03 34 25.9–1.3 23.1S–.20 177.1W–.10 167 3.8b 10 7-149
IDC XII 05 03 34 30.6–6.9 22.73S 177.23W 198–49 4.2,3.6b ¶621631222
ISC Event type se.
IDC Error ellipse: s-maj=76.7km s-min=23.1km az=146.0.
ISC XII 03 19 43 53.2–1.8 23.91S–.10 177.1W–.30 100 4.4b 18 5-152
IDC XII 03 19 43 32.6–3.0 24.69S 175.77W 0 4.1L,3.9 ¶621630617
NEIC XII 03 19 43 53.2–.69 23.9S–.10 176.8W–.40 118–19 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 05 14 24 13.4–.51 26.77S–.05 178.31W–.09 350 3.9b 55 3-86
IDC XII 05 14 24 14.2–3.4 26.73S 178.48W 344–35 4.3,3.2b ¶621632533
NEIC XII 05 14 24 15.3–2.0 26.73S–.09 178.4W–.10 357–10 4.0b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 05 03 54 45.3–.68 24.33S–.08 179.7E–.10 531 3.9b 48 5-149
IDC XII 05 03 54 44.0–2.0 24.18S 179.76E 525–23 4.3,3.3b ¶621631223
NEIC XII 05 03 54 45.8–1.6 24.2S–.10 179.9E–.20 537–8 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 14 14 12.6–.75 24.0S–.10 179.8W–.10 518 4.1b 45 7-151
NEIC XII 08 14 14 12.2–1.0 24.0S–.10 179.6W–.10 518–11 4.3b ¶621634712
IDC XII 08 14 14 13.6–4.0 23.97S 179.71W 520–27 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=8.6km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=82.8km s-min=18.8km az=146.0.
ISC XII 05 16 23 40.1–.56 22.30S–.08 176.18W–.09 150 4.4b 60 7-149
NEIC XII 05 16 23 40.8–1.5 22.3S–.10 176.2W–.10 150–6 4.6b ¶621631266
IDC XII 05 16 23 41.5–4.2 22.09S 176.33W 160–35 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=14.5km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.5km s-min=21.6km az=132.0.
ISC XII 05 16 46 53.5–.58 26.10S–.08 179.68E–.10 503 4.2b 64 8-155
NEIC XII 05 16 46 53.9–1.5 26.1S–.10 179.7E–.10 501–8 4.3b ¶621631267
IDC XII 05 16 46 54.9–1.9 26.08S 179.52E 507–19 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=9.8km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.2km s-min=15.3km az=143.0.
ISC XII 06 07 50 54.2–1.1 22.4S–.10 179.7W–.20 579 3.9b 9 5-89
IDC XII 06 07 50 55.2–1.9 22.21S 179.74W 595–29 4.2,3.1b ¶621632586
ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=22.1km az=10.0.
IDC XII 06 02 47 49.1–2.7 19.19S 179.50E 561–38 4.0,3.0b
¶621632565
IDC Error ellipse: s-maj=108.7km s-min=28.9km az=32.0.
IDC XII 08 04 38 08.6–5.1 22.45S 177.80W 0 3.6b,3.6
¶621634671
IDC Error ellipse: s-maj=322.6km s-min=70.1km az=159.0.
ISC XII 08 17 35 24.4–1.1 24.63S–.10 179.9E–.20 517 4.2b 34 5-65
NEIC XII 08 17 35 21.7–2.1 24.8S–.10 180.0E–.20 466–15 4.4b ¶621634730
IDC XII 08 17 35 24.4–3.1 24.63S 179.95E 512–46 4.0,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=17.3km az=73.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.1km s-min=29.9km az=24.0.
ISC XII 09 18 03 07.5–.93 25.54S–.09 179.2E–.10 500 3.9b 31 5-148
IDC XII 09 18 03 07.3–6.0 25.45S 179.03E 487–55 4.1,3.2b ¶621636588
NEIC XII 09 18 03 08.3–1.4 25.6S–.10 179.2E–.20 501–11 4.5b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 09 05 10 48.3–.89 24.06S–.08 179.8W–.10 400 4.0b 58 5-148
IDC XII 09 05 10 48.1–2.5 24.21S 179.76W 404–28 4.3,3.4b ¶621636550
NEIC XII 09 05 10 49.1–.76 24.05S–.10 179.7W–.20 418–8 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 09 00 55 39.8–4.9 22.48S 178.31W 0 3.9b,3.9
¶621636542
IDC Error ellipse: s-maj=350.5km s-min=54.9km az=159.0.
ISC XII 12 10 00 26.9–2.2 23.1S–.10 179.1W–.30 500 3.6b 7 6-145
IDC XII 12 10 00 27.8–2.9 23.06S 179.17W 515–29 4.0,3.0b ¶621650495
ISC Event type se.
IDC Error ellipse: s-maj=47.0km s-min=31.7km az=91.0.
ISC XII 13 17 47 59.1–.51 22.81S–.08 179.46W–.08 550 4.3b 68 6-155
IDC XII 13 17 47 58.8–1.8 22.87S 179.30W 561–17 4.3,3.4b ¶621628521
NEIC XII 13 17 48 00.3–1.7 22.8S–.10 179.4W–.10 564–8 4.6b,3.4b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 12 50 27.2–.51 25.66S–.08 179.92E–.08 500 4.4b 118 4-154
NEIC XII 12 12 50 27.9–.85 25.73S–.03 179.9E–.10 495–11 4.5b ¶621650509
IDC XII 12 12 50 29.7–1.6 25.78S 179.62E 499–19 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=4.3km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.7km s-min=14.2km az=177.0.
IDC XII 12 14 58 19.4–33 22.51S 177.46W 0 4.0b,4.0
¶621650515
IDC Error ellipse: s-maj=630.6km s-min=154.2km az=90.0.
ISC XII 13 00 36 47.6–.30 22.14S–.04 179.43W–.04 580–3 5.1b 1031 5-175
NOU XII 13 00 36 40.7 22.37S 178.32W 583 5.3b ¶621627928
BGR XII 13 00 36 45.7 22.93S 178.58W 599–2 5.3b
NEIC XII 13 00 36 46.7–1.9 22.14S–.09 179.50W–.10 562–5 5.0b
BJI XII 13 00 36 46.5 21.83S 178.89W 579 5.3b,5.0b
GFZ XII 13 00 36 48.5–.37 22S–3.0 179W–4.0 586–6 5.5b,5.2b
IDC XII 13 00 36 48.8–.45 22.12S 179.54W 584–4 5.1,4.2b
ISC Event type ke.
NOU South of Fiji Islands.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=12.7km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=10.3km s-min=9.4km az=122.0.
ISC XII 14 14 39 26.5–.49 24.80S–.07 179.95E–.08 501 4.3b 63 5-152
IDC XII 14 14 39 25.9–1.5 24.74S 179.92E 491–19 4.4,3.6b ¶621652928
NEIC XII 14 14 39 26.7–1.4 24.81S–.10 180.0E–.10 498–8 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 13 13 54 43.4–.68 25.65S–.08 178.9W–.10 388 3.9b 43 4-149
IDC XII 13 13 54 41.4–2.5 25.66S 179.05W 357–22 4.2,3.5b ¶621650576
NEIC XII 13 13 54 42.5–1.8 25.6S–.10 179.0W–.20 367–11 4.0b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 20 40 26.8–1.9 24.2S–.20 179.5W–.30 250 3.7b 9 7-145
IDC XII 15 20 40 24.0–7.9 24.29S 179.34W 224–49 4.1,3.6s ¶621654138
ISC Event type se.
IDC Error ellipse: s-maj=95.9km s-min=23.1km az=131.0.
ISC XII 15 07 14 12.3–.41 25.82S–.04 179.94W–.04 468–4 5.1b 774 4-167
IDC XII 15 07 14 11.5–.73 25.83S 179.96E 454–6 5.3,4.5b ¶621883703
NOU XII 15 07 14 11.3 25.85S 179.66W 491 5.4b,4.5b
BJI XII 15 07 14 12.3 25.56S 179.45W 483 5.2b,5.2b
GFZ XII 15 07 14 12.4–.42 26S–3.0 180W–3.0 466–7 5.8b,5.3b
NEIC XII 15 07 14 13.6–2.3 25.89S–.08 179.99W–.10 473–5 5.0b,5.3b
GCMT XII 15 07 14 14.0–.40 25.81S–.04 179.85W–.06 463–3 5.3W,5.3b
ISC Event type se.
NOU South of Fiji Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202112150714A. Moment Tensor Solution. s52,c60;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04±.04 $M_{\theta\theta}$0.42±.07; $M_{\phi\phi}$-0.38±.07; $M_{r\theta}$-0.26±.07; $M_{\theta\phi}$-0.89±.05; $M_{\phi r}$-0.51±.06; Best double couple: NP1:ϕ_s81.00000°,δ69.00000°,λ-164.00000°. NP2:ϕ_s345.00000°,δ75.00000°,λ-21.00000°. Principal axes: T 1.0040,Plg4.0000°,Azm34.0000°; N 0.2250,Plg64.0000°,Azm132.0000°; P -1.2290,Plg26.0000°,Azm302.0000° $M_0$1.11600×10^{17}
ISC XII 15 21 16 49.7–1.7 25.4S–.20 176.4W–.30 36 3.3b 6 9-148
IDC XII 15 21 16 44.1–2.0 25.51S 176.31W 0 4.4L,3.6 ¶621654142
ISC Event type se.
IDC Error ellipse: s-maj=61.8km s-min=39.9km az=148.0.
ISC XII 16 05 17 34.1–1.1 25.3S–.10 179.7E–.20 507 3.9b 9 8-91
IDC XII 16 05 17 33.5–2.3 25.27S 179.64E 492–29 4.4,3.5b ¶621655759
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=20.2km az=21.0.
ISC XII 16 05 50 08.2–1.8 23.8S–.30 179.6E–.20 550 3.8b 7 6-91
IDC XII 16 05 50 12.5–7.3 23.11S 179.29E 589–69 4.1,3.2b ¶621655761
ISC Event type se.
IDC Error ellipse: s-maj=180.2km s-min=22.0km az=158.0.
ISC XII 17 08 58 53.3–.63 24.79S–.08 179.6W–.10 465 3.9b 27 5-146
IDC XII 17 08 58 53.0–2.6 24.92S 179.72W 447–33 4.3,3.4b ¶621656927
NEIC XII 17 08 58 54.5–1.6 24.9S–.10 179.5W–.10 481–11 4.0b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 20 46 50.5–.79 26.08S–.07 178.7W–.10 342 4.1b 36 3-144
NEIC XII 17 20 46 52.6–1.8 26.10S–.10 178.6W–.20 364–8 4.2b ¶621656950
IDC XII 17 20 46 53.6–3.7 26.06S 178.73W 377–33 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=14.3km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.1km s-min=30.1km az=121.0.
IDC XII 18 00 57 45.6–4.6 22.22S 179.48E 502–37 3.9,3.1b
¶621656961
IDC Error ellipse: s-maj=169.8km s-min=26.8km az=159.0.
ISC XII 18 01 26 39.7–.44 23.42S–.06 179.77W–.08 550 4.2b 117 6-155
NEIC XII 18 01 26 38.3–1.7 23.6S–.10 179.6W–.20 525–8 4.2b ¶621883723
IDC XII 18 01 26 40.4–1.4 23.35S 179.83W 548–14 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=15.3km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.3km s-min=12.4km az=113.0.
IDC XII 20 13 08 43.5–3.1 24.25S 176.41W 0 3.8b,3.8
¶621685613
IDC Error ellipse: s-maj=79.1km s-min=36.4km az=54.0.
ISC XII 20 06 40 35.4–.62 25.02S–.08 179.9E–.10 501 3.7b 39 5-150
IDC XII 20 06 40 34.6–1.7 25.04S 179.82E 486–17 4.3,3.2b ¶621685590
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=16.1km az=138.0.
IDC XII 20 07 29 00.9–2.7 19.70S 179.69E 0 4.3,4.2b
¶621685595
IDC Error ellipse: s-maj=154.7km s-min=34.1km az=152.0.
IDC XII 21 00 23 02.6–5.3 26.76S 178.21W 0 3.6b,3.6
¶621685650
IDC Error ellipse: s-maj=276.6km s-min=44.3km az=156.0.
ISC XII 23 03 46 19.8–1.1 26.5S–.10 177.5W–.20 150 3.4b 11 10-151
IDC XII 23 03 46 22.3–15 26.29S 177.51W 168–114 3.7,3.2b ¶621686802
ISC Event type se.
IDC Error ellipse: s-maj=156.8km s-min=24.7km az=149.0.
ISC XII 22 17 41 17.4–.38 23.41S–.07 177.03W–.07 167 4.4b 187 6-163
NEIC XII 22 17 41 18.3–1.7 23.2S–.10 177.1W–.10 169–6 4.5b ¶621648307
IDC XII 22 17 41 19.1–2.2 23.25S 177.12W 178–19 4.5,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=14.1km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=12.1km az=157.0.
IDC XII 24 04 52 13.3–55 23.28S 176.13W 0 3.9b,3.9
¶621700070
IDC Error ellipse: s-maj=998.0km s-min=59.9km az=81.0.
IDC XII 23 12 19 55.8–29 26.50S 179.20W 370–198 3.6,2.4b
¶621686826
IDC Error ellipse: s-maj=390.7km s-min=38.8km az=140.0.
ISC XII 25 13 42 40.3–.30 24.33S–.05 179.95W–.05 505 4.4b 316 5-164
GFZ XII 25 13 42 38.2–.60 24S–4.0 180W–4.0 483–9 4.2b,4.2 ¶621883762
IDC XII 25 13 42 40.2–1.1 24.39S 179.97W 500–11 4.5,3.6b
NEIC XII 25 13 42 41.9–2.2 24.39S–.10 179.9W–.10 516–6 4.6b,3.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 25 22 42 26.6–.48 23.65S–.06 179.60W–.08 536 4.2b 66 6-151
NEIC XII 25 22 42 26.8–1.8 23.7S–.10 179.6W–.20 533–9 4.3b ¶621700176
IDC XII 25 22 42 28.6–2.1 23.58S 179.85W 543–22 4.3,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=16.7km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.1km s-min=19.4km az=151.0.
ISC XII 30 21 40 45.6–.97 23.5S–.20 180.0E–.20 535 3.5b 9 6-148
IDC XII 30 21 40 45.7–2.2 23.44S 179.98E 535–22 4.0,3.1b ¶621726030
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=21.0km az=150.0.
IDC XII 30 23 04 36.3–65 23.09S 177.89W 0 3.8b,3.8
¶621726033
IDC Error ellipse: s-maj=1181.0km s-min=182.1km az=87.0.
ISC XII 31 20 40 59.2–.47 23.43S–.07 179.69W–.08 550 4.1b 95 6-156
IDC XII 31 20 41 00.8–1.7 23.31S 179.80W 555–17 4.1,3.2b ¶621726085
NEIC XII 31 20 41 00.5–1.6 23.4S–.10 179.7W–.10 552–2 4.3b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

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ISC VII 02 01 59 58.5–1.3 17.1S–.20 173.8W–.20 10 4.1b,3.6s 12 4-148
IDC VII 02 01 59 55.9–1.7 17.68S 173.93W 0 3.9L,3.9b ¶620927706
ISC Event type se.
IDC Error ellipse: s-maj=68.7km s-min=21.4km az=142.0.
IDC VII 03 14 38 43.4–2.9 15.18S 174.05W 0 3.7,3.6L
¶620927812
IDC Error ellipse: s-maj=318.5km s-min=19.8km az=155.0.
IDC VII 03 17 57 58.2–7.1 15.07S 173.34W 33–59 3.7,3.5b
¶620927826
IDC Error ellipse: s-maj=51.9km s-min=23.6km az=145.0.
IDC VII 03 18 47 19.7–8.2 16.60S 175.64W 0 3.7b,3.7
¶620927830
IDC Error ellipse: s-maj=360.1km s-min=41.3km az=140.0.
IDC VII 03 19 34 43.2–6.6 21.20S 175.55W 0 3.3b,3.3
¶620927832
IDC Error ellipse: s-maj=378.2km s-min=42.9km az=151.0.
IDC VII 03 21 49 20.2–3.5 16.58S 175.13W 146–39 3.9,3.5b
¶620927836
IDC Error ellipse: s-maj=262.8km s-min=22.3km az=143.0.
IDC VII 04 19 37 09.2–6.0 15.33S 173.15W 0 3.9b,3.9
¶620927901
IDC Error ellipse: s-maj=429.1km s-min=60.4km az=150.0.
ISC VII 05 06 42 56.1–.73 16.4S–.10 173.5W–.10 10 4.2b 21 3-83
NEIC VII 05 06 42 56.1–.83 16.38S–.08 173.48W–.05 10–1 4.3b ¶620927931
IDC VII 05 06 42 59.5–8.7 16.36S 173.89W 0 3.8L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.6km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=414.0km s-min=21.2km az=142.0.
ISC VII 05 06 44 04.8–.55 15.3S–.10 174.44W–.08 10 4.2b,4.1s 34 3-148
IDC VII 05 06 44 04.0–.64 15.39S 174.45W 0 4.2s,4.1b ¶620927932
NEIC VII 05 06 44 03.5–.82 15.0S–.20 174.44W–.07 10–2 4.6b,4.1b
GCMT VII 05 06 44 09.9–.30 15.19S–.02 174.40W–.01 12 5.0W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107050644A. Moment Tensor Solution. s24,c28; s97,c136; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.11 $M_{\theta\theta}$1.70±.13; $M_{\phi\phi}$-1.55±.09; $M_{r\theta}$-0.43±.33; $M_{\theta\phi}$2.95±.08; $M_{\phi r}$0.43±.29; Best double couple: NP1:ϕ_s195.00000°,δ81.00000°,λ-174.00000°. NP2:ϕ_s104.00000°,δ84.00000°,λ-9.00000°. Principal axes: T 3.4500,Plg2.0000°,Azm150.0000°; N -0.0410,Plg79.0000°,Azm253.0000°; P -3.4010,Plg10.0000°,Azm59.0000° $M_0$3.42500×10^{16}
ISC VII 06 07 57 42.9–.67 18.1S–.10 175.1W–.10 200 4.3b 47 5-149
NEIC VII 06 07 57 42.6–1.5 18.2S–.10 175.2W–.20 188–10 4.4b ¶620928013
IDC VII 06 07 57 43.5–2.1 18.23S 175.20W 199–19 4.5,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=15.2km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.3km s-min=15.6km az=144.0.
ISC VII 06 16 41 20.3–.44 15.1S–.10 173.44W–.09 10 4.5b,3.5s 59 2-148
IDC VII 06 16 41 19.6–.66 15.16S 173.71W 0 4.4L,4.2 ¶620928049
NEIC VII 06 16 41 21.2–1.1 15.19S–.07 173.5W–.10 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 08 02 06 35.9–.90 16.7S–.20 175.2W–.20 250 4.0b 23 7-147
IDC VII 08 02 06 37.8–11 16.72S 175.26W 267–62 4.1,3.4b ¶620928150
NEIC VII 08 02 06 38.1–1.0 16.6S–.20 175.3W–.10 271–8 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 08 09 35 37.8–.53 21.78S–.09 174.08W–.09 10 4.3b 35 8-146
NEIC VII 08 09 35 37.8–2.7 21.9S–.10 174.1W–.10 10–1 4.6b ¶620928173
IDC VII 08 09 35 38.0–.71 21.93S 174.39W 0 4.1,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=17.9km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.0km s-min=14.1km az=143.0.
ISC VII 09 09 47 29.6–.27 16.07S–.05 173.00W–.05 10 5.0b,4.0s 483 2-155
GFZ VII 09 09 47 29.1–.17 16S–4.0 173W–4.0 0 4.8b,4.8 ¶620784562
IDC VII 09 09 47 29.1–.44 16.02S 173.29W 0 4.7b,4.7
BJI VII 09 09 47 29.0 16.00S 173.20W 10 5.3b,5.2b
NEIC VII 09 09 47 30.4–.84 15.98S–.10 173.10W–.09 10–1 5.0b,5.2b
GCMT VII 09 09 47 38.0–.40 16.02S–.03 172.96W–.02 34–1 4.9W,5.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107090947A. Moment Tensor Solution. s34,c42; s48,c61; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.41±.18 $M_{\theta\theta}$-0.91±.14; $M_{\phi\phi}$-1.49±.13; $M_{r\theta}$0.78±.15; $M_{\theta\phi}$1.30±.07; $M_{\phi r}$0.50±.11; Best double couple: NP1:ϕ_s340.00000°,δ47.00000°,λ117.00000°. NP2:ϕ_s123.00000°,δ49.00000°,λ64.00000°. Principal axes: T 2.7410,Plg70.0000°,Azm324.0000°; N -0.1980,Plg20.0000°,Azm140.0000°; P -2.5350,Plg1.0000°,Azm231.0000° $M_0$2.63800×10^{16}
IDC VII 10 16 23 12.7–46 16.28S 173.75W 0 3.9b,3.9
¶620928367
IDC Error ellipse: s-maj=884.8km s-min=187.9km az=79.0.
ISC VII 11 01 41 41.5–.99 16.4S–.20 173.7W–.30 66 3.6b 9 3-147
IDC VII 11 01 41 40.4–3.8 16.52S 173.72W 57–34 4.6L,3.8 ¶620928391
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=22.8km az=137.0.

IDC VII 11 10 01 25.4–8.6 17.30S 174.02W 0 3.4b,3.4
¶620928419

IDC Error ellipse: s-maj=646.5km s-min=66.6km az=152.0.
ISC VII 11 10 24 29.8–.38 15.70S–.08 173.40W–.05 42 4.6b,3.5s 141 2-149
IDC VII 11 10 24 24.4–.69 15.58S 173.70W 0 4.3b,4.3 **¶620787478**
NEIC VII 11 10 24 29.9–1.4 15.75S–.09 173.34W–.06 35–2 4.7b,4.3
GFZ VII 11 10 24 30.6–.18 16S–5.0 173W–3.0 49 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 11 14 37 30.0–.69 19.0S–.10 174.6W–.10 10 4.5b,3.6s 26 6-94
NEIC VII 11 14 37 29.8–1.5 19.02S–.08 174.5W–.20 10–1 4.5b,3.6s **¶620928430**
IDC VII 11 14 37 30.4–5.6 18.99S 174.76W 0 4.0b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=5.4km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=263.8km s-min=32.3km az=145.0.
ISC VII 13 03 59 28.9–.66 16.3S–.20 175.3W–.10 35 4.1b 26 4-146
IDC VII 13 03 59 24.3–1.5 14.81S 176.07W 0 3.8b,3.8 **¶620928517**
NEIC VII 13 03 59 26.2–.74 16.3S–.20 175.3W–.10 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 13 09 59 36.0–.71 17.8S–.10 174.7W–.10 10 3.9b 21 5-146
NEIC VII 13 09 59 35.7–.65 17.8S–.10 174.6W–.10 10–2 4.1b **¶620928531**
IDC VII 13 09 59 35.8–.94 18.07S 174.57W 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=17.1km az=352.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.5km s-min=16.1km az=132.0.
ISC VII 13 13 03 00.9–.49 15.3S–.10 175.56W–.07 10 4.6b,4.1s 60 3-146
IDC VII 13 13 02 59.2–.62 15.33S 175.82W 0 4.2b,4.2 **¶620928534**
NEIC VII 13 13 03 01.5–1.3 15.4S–.10 175.55W–.07 10–1 4.6b,4.2
GCMT VII 13 13 03 04.3–.40 15.35S–.02 175.66W–.02 25–1 5.0W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107131303A. Moment Tensor Solution. s14,c15; s83,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.18 $M_{\theta\theta}$0.30±.17; $M_{\phi\phi}$0.30±.13; $M_{r\theta}$-0.65±.32; $M_{\theta\phi}$3.50±.15; $M_{\phi r}$1.08±.28; Best double couple: NP1:ϕ_s88.00000°,δ72.00000°,λ-13.00000°. NP2:ϕ_s182.00000°,δ78.00000°,λ-161.00000°. Principal axes: T 3.8290,Plg4.0000°,Azm314.0000°; N -0.1480,Plg68.0000°,Azm214.0000°; P -3.6800,Plg22.0000°,Azm46.0000° $M_0$3.75500×10^{16}
IDC VII 13 14 08 20.8–3.3 15.32S 175.81W 0 3.6b,3.6
¶620928536

IDC Error ellipse: s-maj=361.5km s-min=33.2km az=153.0.
ISC VII 13 20 35 06.3–1.7 16.4S–.60 175.1W–.30 150 4.2b 16 7-76
IDC VII 13 20 34 33.7–7.1 16.10S 172.94W 0 4.4b,4.4 **¶620928560**
NEIC VII 13 20 35 05.7–1.8 16.0S–.20 175.2W–.10 128–9 4.3b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 14 02 08 11.6–.43 18.26S–.05 174.06W–.05 67–3 5.1b 536 5-157
NEIC VII 14 02 08 05.0–1.1 18.26S–.10 174.0W–.10 10–1 5.2b **¶621112236**
GFZ VII 14 02 08 10.7–.36 18S–3.0 174W–3.0 52–3 5.3,5.0b
BGR VII 14 02 08 12.0 18.23S 174.52W 53–8 5.3,5.0b
IDC VII 14 02 08 12.8–2.7 18.24S 174.27W 71–23 4.9,4.6b
GCMT VII 14 02 08 14.4–.30 17.64S–.02 174.24W–.02 12 5.3W,4.6b
BJI VII 14 02 08 15.0 18.40S 174.10W 102 5.1b,5.0b
NOU VII 14 02 08 16.2 17.67S 173.71W 206 5.0b,5.0b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=15.4km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=7.3km s-min=5.1km az=148.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=11.1km az=144.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107140208A. Moment Tensor Solution. s25,c31; s109,c141; Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15±.01 $M_{\theta\theta}$-0.07±.01; $M_{\phi\phi}$0.22±.01; $M_{r\theta}$0.88±.04; $M_{\theta\phi}$-0.08±.01; $M_{\phi r}$0.68±.04; Best double couple: NP1:ϕ_s334.00000°,δ7.00000°,λ-166.00000°. NP2:ϕ_s231.00000°,δ88.00000°,λ-83.00000°. Principal axes: T 1.0290,Plg43.0000°,Azm314.0000°; N 0.1870,Plg7.0000°,Azm50.0000°; P -1.2170,Plg46.0000°,Azm147.0000° $M_0$1.12300×10^{17}
NOU Tonga Islands.
IDC VII 14 12 21 06.2–1.2 17.69S 173.79W 0 3.8b,3.8
¶620928594

IDC Error ellipse: s-maj=47.1km s-min=16.9km az=129.0.
IDC VII 14 18 08 59.8–8.2 18.04S 173.34W 0 3.5b,3.5
¶620928609

IDC Error ellipse: s-maj=355.7km s-min=41.6km az=141.0.
ISC VII 14 21 43 29.6–.38 18.74S–.08 174.08W–.07 10 4.6b,3.6s 150 5-152
IDC VII 14 21 43 28.1–.57 18.64S 174.29W 0 4.3b,4.3 **¶620829335**
GFZ VII 14 21 43 29.7–.23 19S–5.0 174W–4.0 10 4.7b,4.7
NEIC VII 14 21 43 30.0–1.4 18.87S–.05 174.1W–.10 10–1 4.7b,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 17 02 18 11.5–.63 15.2S–.10 173.1W–.10 29 4.3b 34 2-146
IDC VII 17 02 18 06.7–.88 15.42S 173.26W 0 4.8L,3.9b **¶620928745**
NEIC VII 17 02 18 10.1–1.4 15.2S–.20 173.2W–.20 10–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 00 36 32.5–.23 19.37S–.03 175.30W–.03 211–1 5.5b 1390 6-177
MOS VII 18 00 36 25.1–.74 19.25S 175.38W 222 5.5b **¶620833218**
IDC VII 18 00 36 29.5–1.0 19.25S 175.35W 178–8 5.6,5.1b
GFZ VII 18 00 36 29.8 19.28S 175.43W 211 5.4W,5.1b
GFZ VII 18 00 36 31.2–.48 19S–3.0 175W–3.0 197–4 5.6b,5.4
BJI VII 18 00 36 32.5 19.03S 175.20W 213 5.6b,5.5b
NEIC VII 18 00 36 33.8–1.4 19.23S–.08 175.35W–.09 216–4 5.4,5.4b
GCMT VII 18 00 36 34.1–.10 19.32S–.01 175.02W–.01 205–1 5.4W,5.4b
NOU VII 18 00 36 35.2 19.40S 175.37W 237 5.4b,5.4b
ISC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=7.2km az=157.6.
IDC Error ellipse: s-maj=10.8km s-min=9.8km az=56.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.26 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-0.86 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.42 $M_{\phi r}$-0.92 NP1: ϕ_s329.46446°,δ30.86568°,λ13.30092°. NP2:ϕ_s227.99346°,δ83.22159°,λ120.18408°. Principal axes: T 1.3137,Plg43.6634°,Azm167.4294°; N 0.3424,Plg29.9514°,Azm44.0662°; P -1.6561,Plg31.5674°,Azm293.3315° $M_0$1.51421×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=12.2km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107180036A. Moment Tensor Solution. s123,c188; s151,c260;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36±.02 $M_{\theta\theta}$0.13±.03; $M_{\phi\phi}$-0.49±.03; $M_{r\theta}$-1.04±.02; $M_{\theta\phi}$-0.28±.03; $M_{\phi r}$-1.28±.02; Best double couple: NP1: ϕ_s351.00000°,δ11.00000°,λ42.00000°. NP2:ϕ_s219.00000°,δ83.00000°,λ98.00000°. Principal axes: T 1.6430,Plg52.0000°,Azm139.0000°; N 0.1610,Plg8.0000°,Azm38.0000°; P -1.8040,Plg37.0000°,Azm302.0000° $M_0$1.72300×10^{17}
NOU Tonga Islands.
IDC VII 18 17 56 35.6–75 16.98S 173.28W 0 3.6b,3.6
¶620928839

IDC Error ellipse: s-maj=1437.0km s-min=217.9km az=81.0.
IDC VII 19 14 42 19.6–4.8 17.99S 174.16W 0 3.5,3.4b
¶620928876

IDC Error ellipse: s-maj=177.7km s-min=17.7km az=134.0.
ISC VII 22 03 58 28.4–.53 17.3S–.10 175.1W–.10 256 4.3b 42 5-148
IDC VII 22 03 58 28.7–1.5 17.22S 175.11W 260–16 4.3,3.6b **¶620967806**
NEIC VII 22 03 58 29.7–1.1 17.3S–.10 175.1W–.20 261–9 4.5b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 22 07 53 54.1–11 17.16S 174.76W 0 3.6b,3.6
¶620967814

IDC Error ellipse: s-maj=507.1km s-min=37.4km az=141.0.
ISC VII 23 01 16 39.8–.33 16.29S–.07 173.63W–.07 66 4.8b 304 3-160
GFZ VII 23 01 16 36.8–.22 16S–5.0 173W–5.0 42 4.7b,4.7 **¶620845244**
BGR VII 23 01 16 36.8 16.44S 173.89W 33 4.7b,4.7
IDC VII 23 01 16 37.5–3.0 16.23S 173.86W 46–28 5.2L,4.4
NEIC VII 23 01 16 38.7–1.3 16.33S–.08 173.7W–.10 51–5 4.8b,4.4
GCMT VII 23 01 16 43.7–.40 16.43S–.03 173.53W–.03 122–5 4.8W,4.4
NOU VII 23 01 16 43.9 19.13S 169.62W 81 5.1b,4.4
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
IDC Error ellipse: s-maj=24.2km s-min=14.2km az=132.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.4km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107230116A. Moment Tensor Solution. s15,c17; s77,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.18±.10 $M_{\theta\theta}$0.75±.17; $M_{\phi\phi}$0.43±.12; $M_{r\theta}$-1.41±.09; $M_{\theta\phi}$-0.83±.14; $M_{\phi r}$-0.02±.06; Best double couple: NP1:ϕ_s334.00000°,δ30.00000°,λ-43.00000°. NP2:ϕ_s102.00000°,δ70.00000°,λ-113.00000°. Principal axes: T 1.8680,Plg22.0000°,Azm210.0000°; N 0.1300,Plg22.0000°,Azm111.0000°; P -1.9970,Plg59.0000°,Azm340.0000° $M_0$1.93200×10^{16}
NOU Tonga Islands Region.
ISC VII 23 22 37 22.9–.81 19.3S–.10 174.37W–.09 61 4.2b 23 6-61
IDC VII 23 22 37 15.4–52 19.35S 174.23W 0 4.1b,4.1 **¶620967946**
NEIC VII 23 22 37 23.3–1.1 19.3S–.10 174.4W–.10 50–14 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 16 01 29 52.0–4.1 15.72S 174.33W 101–76 3.8,3.7L
¶620928673

IDC Error ellipse: s-maj=353.3km s-min=36.8km az=143.0.
IDC VII 24 14 09 57.2–20 20.94S 174.73W 0 3.9b,3.9
¶620970221

IDC Error ellipse: s-maj=385.5km s-min=162.6km az=81.0.
ISC VII 24 14 37 49.6–.44 15.27S–.10 173.86W–.07 94 4.3b 54 2-148
NEIC VII 24 14 37 48.5–1.3 15.3S–.10 173.92W–.09 74–5 4.5b **¶620970226**
IDC VII 24 14 37 49.0–2.1 15.27S 173.92W 84–19 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=9.8km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=12.9km az=151.0.
ISC VII 25 00 21 23.4–.29 16.05S–.06 173.95W–.05 115 4.7b 340 3-155
NEIC VII 25 00 21 23.8–1.4 16.0S–.10 173.98W–.09 113–5 4.6b **¶621112273**
IDC VII 25 00 21 24.3–2.2 16.00S 174.02W 121–19 4.6,4.2b
NOU VII 25 00 21 27.0 15.51S 173.90W 172 4.9b,4.2b
GFZ VII 25 00 21 29.1–.43 16S–4.0 174W–4.0 169–4 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 25 04 01 40.2–.48 15.2S–.10 173.68W–.08 10 4.9b,4.7s 95 2-154
IDC VII 25 04 01 38.5–.63 15.05S 173.93W 0 4.6s,4.1b **¶620973744**
NEIC VII 25 04 01 41.3–2.2 15.2S–.10 173.8W–.10 10–1 5.0b,4.1b
GCMT VII 25 04 01 44.2–.20 14.89S–.01 173.94W–.01 12 5.1W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107250401A. Moment Tensor Solution. s45,c59; s127,c198; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.34±.12 $M_{\theta\theta}$-2.46±.14; $M_{\phi\phi}$2.12±.11; $M_{r\theta}$1.22±.31; $M_{\theta\phi}$4.68±.08; $M_{\phi r}$1.44±.31; Best double couple: NP1:ϕ_s345.00000°,δ74.00000°,λ168.00000°. NP2:ϕ_s79.00000°,δ79.00000°,λ16.00000°. Principal axes: T 5.6920,Plg19.0000°,Azm302.0000°; N -0.3010,Plg71.0000°,Azm113.0000°; P -5.3940,Plg3.0000°,Azm211.0000° $M_0$5.54300×10^{16}
ISC VII 25 04 28 49.5–.50 16.45S–.09 173.52W–.09 66 4.4b 39 3-150
IDC VII 25 04 28 46.9–2.7 16.37S 173.72W 46–24 4.1L,4.0 **¶620973747**
NEIC VII 25 04 28 49.9–1.3 16.5S–.10 173.4W–.10 68–6 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 25 18 48 24.6–.37 15.10S–.06 173.87W–.05 96–3 4.8b 368 2-166
BGR VII 25 18 48 15.2 15.95S 173.94W 33 4.8b **¶621112288**
IDC VII 25 18 48 23.6–2.3 15.05S 174.08W 81–20 4.7,4.4b
NEIC VII 25 18 48 24.5–1.5 15.1S–.10 173.88W–.07 93–7 4.8b,4.4b
NOU VII 25 18 48 24.8 15.52S 173.52W 110 5.1b,4.4b
GFZ VII 25 18 48 26.6–.19 15S–5.0 174W–4.0 111 4.9b,4.8
GCMT VII 25 18 48 29.6–.20 14.94S–.02 173.85W–.02 124–2 4.9W,4.8
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107251848A. Moment Tensor Solution. s43,c49; s111,c147; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.12±.09 $M_{\theta\theta}$0.27±.13; $M_{\phi\phi}$2.85±.13; $M_{r\theta}$0.56±.10; $M_{\theta\phi}$0.34±.12; $M_{\phi r}$-1.22±.09; Best double couple: NP1:ϕ_s197.00000°,δ35.00000°,λ-72.00000°. NP2:ϕ_s356.00000°,δ56.00000°,λ-102.00000°. Principal axes: T 3.1090,Plg11.0000°,Azm95.0000°; N 0.3500,Plg10.0000°,Azm3.0000°; P -3.4600,Plg75.0000°,Azm230.0000° $M_0$3.28500×10^{16}
IDC VII 26 05 43 25.0–31 18.46S 173.68W 0 4.1b,4.1
¶620973814

IDC Error ellipse: s-maj=616.3km s-min=176.1km az=88.0.
ISC VII 26 06 29 46.3–.29 15.59S–.04 174.35W–.04 179–2 4.9b 953 3-166
BGR VII 26 06 29 28.3 15.98S 174.17W 33 4.9b **¶620846045**
NOU VII 26 06 29 43.8 15.91S 174.21W 168 5.1b
IDC VII 26 06 29 43.5–1.3 15.57S 174.49W 150–11 5.2,4.7b
GFZ VII 26 06 29 46.5 15.46S 174.64W 173 5.2W,4.7b
GFZ VII 26 06 29 46.5–.28 15S–3.0 175W–3.0 176–2 5.4,5.1b
NEIC VII 26 06 29 47.3–1.4 15.56S–.10 174.38W–.07 175–5 4.8b,5.1b
GCMT VII 26 06 29 49.4–.10 15.55S–.01 174.26W–.01 178–1 5.3W,5.1b
ISC Event type ke.
BGR Event type ke.
NOU Tonga Islands.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.44 $M_{\theta\theta}$0.53 $M_{\phi\phi}$3.91 $M_{r\theta}$0.83 $M_{\theta\phi}$7.50 $M_{\phi r}$-3.30 NP1: ϕ_s2.46228°,δ68.92585°,λ-142.89841°. NP2:ϕ_s257.24805°,δ55.74455°,λ-25.78781°. Principal axes: T 10.2056,Plg8.2655°,Azm127.2045°; N -2.4001,Plg48.0924°,Azm27.8895°; P -7.8055,Plg40.7135°,Azm224.3859° $M_0$9.24227×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107260629A. Moment Tensor Solution. s102,c162; s139,c238;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64±.01 $M_{\theta\theta}$0.06±.02; $M_{\phi\phi}$0.58±.02; $M_{r\theta}$0.63±.01; $M_{\theta\phi}$0.85±.02; $M_{\theta r}$-0.30±.01; Best double couple: NP1:ϕ_s2.00000°,δ55.00000°,λ-146.00000°. NP2:ϕ_s251.00000°,δ63.00000°,λ-40.00000°. Principal axes: T 1.2200,Plg5.0000°,Azm308.0000°; N 0.0720,Plg43.0000°,Azm43.0000° ; P -1.2930,Plg47.0000°,Azm213.0000° $M_0$1.25700×10^{17}

ISC	VII	**27 20 26**	**15.8–.32**	**15.35S–.07**	**173.43W–.05**	**42**	**4.7b,3.6s**	**234**	**2-154**	
IDC	VII	27 20 26	10.3–.57	15.37S	173.46W	0	4.5b,4.5			**¶620857069**
GFZ	VII	27 20 26	13.4–.19	15S–4.0	174W–3.0	21	4.7b,4.7			
NEIC	VII	27 20 26	15.1–1.9	15.5S–.10	173.24W–.09	32–4	4.8b,4.7			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**26 19 19**	**59.7–.33**	**21.99S–.07**	**175.94W–.06**	**137**	**4.7b**	**269**	**7-166**	
BGR	VII	26 19 19	45.8	22.63S	175.91W	33	4.7b			**¶621112303**
IDC	VII	26 19 19	59.9–.58	21.97S	176.09W	132–4	4.5,4.2b			
NEIC	VII	26 19 20	00.8–1.7	22.0S–.10	176.0W–.10	141–6	4.7b,4.2b			

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**01 02 48**	**44.5–.47**	**17.1S–.10**	**174.97W–.10**	**256**	**4.2b**	**128**	**4-156**	
IDC	VIII	01 02 48	43.0–2.2	17.19S	175.01W	237–20	4.3,3.7b			**¶620986167**
NEIC	VIII	01 02 48	43.6–1.3	17.2S–.10	174.9W–.10	245–8	4.3b,3.7b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**30 22 39**	**15.6–.23**	**16.71S–.05**	**173.59W–.05**	**10**	**5.3b,4.2s**	**693**	**3-174**	
IDC	VII	30 22 39	14.0–.39	16.75S	173.62W	0	4.9b,4.8			**¶620923871**
BJI	VII	30 22 39	14.8	16.02S	173.26W	6	5.5b,5.3s			
MOS	VII	30 22 39	15.4–1.1	16.70S	173.78W	10	5.2b,5.3s			
GFZ	VII	30 22 39	16.3–.12	17S–3.0	174W–3.0	10	5.1b,5.1			
NEIC	VII	30 22 39	16.4–1.4	16.73S–.09	173.6W–.10	10–1	5.3b,5.1			
BGR	VII	30 22 39	22.6	16.01S	173.41W	33	5.3b,5.1			
GCMT	VII	30 22 39	25.3–.30	16.66S–.02	174.20W–.02	12	5.2W,5.1			
NOU	VII	30 22 39	27.8	16.90S	173.66W	114	5.2b,5.1			

ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=13.8km az=137.0.
MOS Error ellipse: s-maj=14.2km s-min=11.1km az=104.1.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=13.8km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107302239A. Moment Tensor Solution. s16,c18; s112,c160; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.70±.12 $M_{\theta\theta}$1.90±.10; $M_{\phi\phi}$-0.20±.09; $M_{r\theta}$0.16±.32; $M_{\theta\phi}$0.79±.10; $M_{\phi r}$8.78±.25; Best double couple: NP1:ϕ_s69.00000°,δ7.00000°,λ-24.00000°. NP2:ϕ_s183.00000°,δ87.00000°,λ-96.00000°. Principal axes: T 7.9400,Plg42.0000°,Azm279.0000°; N 1.8350,Plg6.0000°,Azm183.0000° ; P -9.7790,Plg47.0000°,Azm87.0000° $M_0$8.85900×10^{16}
NOU Tonga Islands.

ISC	**VIII**	**01 14 45**	**59.2–.53**	**15.0S–.10**	**173.4W–.10**	**10**	**4.6b,3.2s**	**66**	**2-154**	
IDC	VIII	01 14 45	58.0–.65	15.03S	173.57W	0	4.7L,4.2			**¶620925703**
NEIC	VIII	01 14 45	59.7–.83	15.1S–.20	173.4W–.20	10–1	4.6b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**02 19 39**	**15.9–.37**	**16.28S–.07**	**174.83W–.06**	**288**	**4.4b**	**266**	**4-155**	
GFZ	VIII	02 19 39	15.8–.40	16S–5.0	175W–4.0	296–5	4.4b,4.4			**¶620929662**
IDC	VIII	02 19 39	15.8–1.6	16.38S	174.96W	278–15	4.5,3.9b			
NEIC	VIII	02 19 39	15.1–1.6	16.3S–.10	174.86W–.09	273–6	4.4b,3.9b			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**02 06 41**	**33.0–.98**	**15.2S–.30**	**174.9W–.20**	**250**	**3.4b**	**7**	**3-83**	
IDC	VIII	02 06 41	32.9–1.5	15.16S	174.94W	249–17	4.0,3.4b			**¶620993214**

ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=18.4km az=146.0.

ISC	**VIII**	**02 07 02**	**09.2–.85**	**17.5S–.20**	**174.8W–.20**	**10**	**3.9b**	**11**	**5-148**	
IDC	VIII	02 07 02	08.0–.79	17.67S	174.82W	0	4.0b,4.0			**¶620993217**

ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=19.1km az=137.0.

IDC	**VIII**	**04 13 35**	**12.2–1.1**	**15.76S**	**175.13W**	**0**	**3.7b,3.7**			**¶620997308**

IDC Error ellipse: s-maj=53.2km s-min=21.7km az=147.0.

ISC	**VIII**	**06 12 58**	**54.0–.79**	**15.9S–.20**	**176.0W–.20**	**400**	**3.9b**	**12**	**5-145**	
IDC	VIII	06 12 58	53.3–1.5	16.02S	176.07W	380–16	4.3,3.6b			**¶620998900**

ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=17.8km az=158.0.

IDC	**VIII**	**07 09 35**	**47.0–20**	**17.24S**	**174.88W**	**0**	**3.6b,3.6**			**¶621000716**

IDC Error ellipse: s-maj=498.2km s-min=44.2km az=36.0.

IDC	**VIII**	**06 16 33**	**24.9–6.6**	**15.95S**	**173.36W**	**42–56**	**3.5,3.3b**			**¶620998913**

IDC Error ellipse: s-maj=220.0km s-min=33.7km az=135.0.

ISC	**VIII**	**06 19 13**	**11.1–.38**	**15.23S–.09**	**173.24W–.08**	**10**	**4.8b**	**142**	**2-149**	
IDC	VIII	06 19 13	10.4–.57	15.21S	173.40W	0	4.3b,4.3			**¶620998921**
NEIC	VIII	06 19 13	11.5–1.2	15.24S–.07	173.24W–.09	10–1	4.8b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**07 17 36**	**54.6–.31**	**17.58S–.06**	**174.21W–.04**	**100**	**4.5b**	**253**	**4-150**	
NEIC	VIII	07 17 36	55.8–2.0	17.56S–.08	174.19W–.08	104–6	4.5b			**¶620976243**
GFZ	VIII	07 17 36	56.0–.79	18S–4.0	174W–5.0	112–8	4.8b,4.8			
IDC	VIII	07 17 37	02.8–2.0	17.70S	174.51W	166–17	4.3,3.8b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=10.2km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.9km s-min=7.2km az=106.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.6km s-min=10.7km az=152.0.

ISC	**VIII**	**07 13 27**	**17.5–.91**	**17.6S–.20**	**174.4W–.10**	**35**	**3.9b,3.7s**	**12**	**4-92**	
IDC	VIII	07 13 27	12.1–.89	17.69S	174.75W	0	3.8b,3.8			**¶621000722**

ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=15.7km az=137.0.

ISC	**VIII**	**08 01 14**	**59.4–.93**	**17.7S–.30**	**174.3W–.10**	**139**	**3.6b**	**9**	**7-148**	
IDC	VIII	08 01 15	00.0–4.9	17.72S	174.33W	145–42	3.9,3.5b			**¶621002102**

ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=21.8km az=145.0.

ISC	**VIII**	**08 02 23**	**54.2–.60**	**16.6S–.10**	**173.7W–.10**	**66**	**4.1b**	**26**	**3-147**	
NEIC	VIII	08 02 23	55.1–.39	16.56S–.09	173.8W–.20	70–9	4.6b			**¶621002107**
IDC	VIII	08 02 24	05.8–4.3	16.84S	173.79W	176–39	4.1,3.5b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=10.6km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.0km s-min=18.0km az=133.0.

ISC	**VIII**	**08 23 41**	**21.0–.54**	**15.6S–.10**	**173.48W–.07**	**100**	**4.7b**	**44**	**2-146**	
NEIC	VIII	08 23 41	19.6–1.1	15.6S–.10	173.47W–.04	78–8	4.9b			**¶621002152**
IDC	VIII	08 23 41	27.8–5.2	15.78S	173.59W	160–44	3.8,3.2b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=6.1km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=106.3km s-min=22.1km az=150.0.

ISC	**VIII**	**07 23 16**	**20.3–.34**	**16.80S–.06**	**173.28W–.05**	**34–1**	**5.0b,4.3s**	**396**	**3-155**	
IDC	VIII	07 23 16	15.5–.44	16.92S	173.41W	0	4.7b,4.7			**¶620976256**
BJI	VIII	07 23 16	16.8	16.35S	173.12W	7	5.6b,5.0s			
GFZ	VIII	07 23 16	17.1–.20	17S–5.0	174W–5.0	10	5.0b,5.0			
NEIC	VIII	07 23 16	21.0–1.2	16.77S–.09	173.35W–.09	35–1	5.0b,5.0			
GCMT	VIII	07 23 16	24.7–.20	16.84S–.01	173.03W–.01	37–0	5.0W,5.0			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108072316A. Moment Tensor Solution. s74,c108; s110,c153;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.07±.12 $M_{\theta\theta}$3.95±.09; $M_{\phi\phi}$-0.88±.09; $M_{r\theta}$1.36±.10; $M_{\theta\phi}$-0.78±.07; $M_{\phi r}$1.82±.09; Best double couple: NP1: ϕ_s126.00000°,δ44.00000°,λ-45.00000°. NP2:ϕ_s251.00000°,δ61.00000°,λ-125.00000°. Principal axes: T 4.2450,Plg9.0000°,Azm5.0000°; N 0.1470,Plg30.0000°,Azm270.0000° ; P -4.3940,Plg59.0000°,Azm111.0000° $M_0$4.32000×10^{16}

ISC	**VIII**	**09 14 01**	**19.3–.67**	**16.2S–.10**	**173.5W–.20**	**50**	**4.3b**	**31**	**19-147**	
IDC	VIII	09 14 01	12.4–.88	16.26S	173.40W	0	3.8b,3.8			**¶621007266**
NEIC	VIII	09 14 01	21.3–1.1	16.2S–.10	173.4W–.10	65–4	4.5b,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**09 04 22**	**54.7–.44**	**17.38S–.09**	**174.02W–.08**	**150**	**4.4b**	**106**	**5-151**	
NEIC	VIII	09 04 22	53.5–1.6	17.5S–.10	174.0W–.10	130–6	4.6b			**¶620976531**
IDC	VIII	09 04 22	53.7–.95	17.46S	174.07W	134–7	4.4,4.0b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=13.8km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.4km s-min=13.0km az=142.0.

ISC	**VIII**	**11 16 16**	**23.3–.43**	**19.55S–.07**	**173.80W–.07**	**10**	**4.5b,3.6s**	**92**	**6-153**	
IDC	VIII	11 16 16	23.0–.59	19.45S	174.24W	0	4.4L,4.2			**¶620983150**
NEIC	VIII	11 16 16	23.2–2.0	19.67S–.10	173.74W–.06	10–1	4.7b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**11 09 17**	**12.7–2.7**	**15.6S–.90**	**173.8W–.60**	**35**	**3.7b**	**7**	**3-125**	
IDC	VIII	11 09 17	03.8–1.9	17.05S	172.91W	0	3.9L,3.7b			**¶621009329**

ISC Event type se.
IDC Error ellipse: s-maj=78.3km s-min=20.7km az=133.0.

IDC	**VIII**	**09 02 35**	**46.3–1.8**	**17.51S**	**173.61W**	**0**	**3.7b,3.7**			**¶621007218**

IDC Error ellipse: s-maj=50.8km s-min=43.8km az=179.0.

IDC	**VIII**	**12 11 43**	**28.6–11**	**16.84S**	**175.88W**	**386–52**	**4.1,3.2b**			**¶621009407**

IDC Error ellipse: s-maj=300.1km s-min=37.4km az=139.0.

IDC	**VIII**	**13 17 17**	**43.0–5.8**	**17.57S**	**173.20W**	**0**	**3.7b,3.7**			**¶621012185**

IDC Error ellipse: s-maj=418.6km s-min=34.0km az=151.0.

ISC	**VIII**	**19 11 48**	**18.3–.46**	**20.74S–.05**	**173.10W–.04**	**20–2**	**5.4b,4.3s**	**764**	**7-171**	
NOU	VIII	19 11 48	15.4	20.77S	172.99W	4	5.3b,4.3s			**¶620997104**
IDC	VIII	19 11 48	15.8–.34	20.71S	173.29W	0	5.0b,5.0			
NEIC	VIII	19 11 48	17.6	20.67S	173.05W	10	5.0b,5.0			
NEIC	VIII	19 11 48	17.6–2.1	20.68S–.08	173.10W–.08	10–1	5.4b,5.0			
NEIC	VIII	19 11 48	17.8	20.67S	172.95W	18	5.1,5.0			
GFZ	VIII	19 11 48	17.6–.11	21S–3.0	173W–2.0	10	5.3b,5.3			
GFZ	VIII	19 11 48	17.6	20.65S	173.40W	17	5.1W,5.3			
GCMT	VIII	19 11 48	19.9–.20	20.83S–.02	172.96W–.01	13–0	5.0W,5.3			
BJI	VIII	19 11 48	20.6	20.32S	172.72W	45	5.4b,5.2b			

ISC Event type se.
NOU Tonga Islands Region.
IDC Error ellipse: s-maj=13.1km s-min=10.9km az=125.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=12.3km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.48 $M_{\theta\theta}$0.70 $M_{\phi\phi}$3.78 $M_{r\theta}$0.69 $M_{\theta\phi}$1.04 $M_{\phi r}$3.83 NP1:ϕ_s20.50000°,δ24.09000°,λ-82.80000°. NP2:ϕ_s192.63000°,δ66.11000°,λ-93.21000°. Principal axes: T 5.5898,Plg21.0000°,Azm285.0000°; N 0.4040,Plg3.0000°,Azm194.0000° ; P -5.9938,Plg69.0000°,Azm96.0000° $M_0$5.80000×10^{16}
GFZ Error ellipse: s-maj=6.8km s-min=5.2km az=160.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.14 $M_{\theta\theta}$0.46 $M_{\phi\phi}$4.68 $M_{r\theta}$-0.13 $M_{\theta\phi}$1.37 $M_{\phi r}$2.31 NP1: ϕ_s188.74001°,δ57.02297°,λ-98.44402°. NP2:ϕ_s23.99572°,δ33.92230°,λ-77.24782°. Principal axes: T 5.5328,Plg11.6465°,Azm284.8257°; N 0.1535,Plg7.0760°,Azm193.3596° ; P -5.6862,Plg76.3205°,Azm72.6960° $M_0$5.61107×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108191148A. Moment Tensor Solution. s67,c85; s122,c207; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.29±.16 $M_{\theta\theta}$0.14±.10; $M_{\phi\phi}$4.16±.11; $M_{r\theta}$-0.21±.28; $M_{\theta\phi}$1.64±.07; $M_{\phi r}$1.35±.23; Best double couple: NP1:ϕ_s29.00000°,δ38.00000°,λ-76.00000°. NP2:ϕ_s191.00000°,δ53.00000°,λ-101.00000°. Principal axes: T 4.9020,Plg8.0000°,Azm289.0000°; N -0.3480,Plg9.0000°,Azm198.0000° ; P -4.5480,Plg78.0000°,Azm59.0000° $M_0$4.72500×10^{16}

IDC	**VIII**	**14 18 56**	**52.2–3.6**	**21.70S**	**175.53W**	**0**	**3.5b,3.5**			**¶621013542**

IDC Error ellipse: s-maj=193.7km s-min=44.8km az=149.0.

ISC	**VIII**	**19 03 42**	**36.2–.75**	**18.4S–.10**	**175.4W–.10**	**238**	**4.4b**	**38**	**5-147**	
NEIC	VIII	19 03 42	36.3–1.1	18.4S–.10	175.34W–.10	235–7	4.5b			**¶621039153**
IDC	VIII	19 03 42	40.7–3.8	18.51S	175.57W	270–31	4.4,3.7b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=10.2km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.9km s-min=27.0km az=96.0.

ISC	**VIII**	**17 07 54**	**31.6–.37**	**17.44S–.06**	**173.93W–.07**	**50**	**4.8b,3.5s**	**139**	**4-149**	
IDC	VIII	17 07 54	31.4–2.7	17.46S	174.08W	49–25	4.2L,4.2			**¶620990425**
NEIC	VIII	17 07 54	32.7–2.9	17.5S–.10	173.80W–.10	57–6	4.9b,4.2			
GFZ	VIII	17 07 54	38.1–.67	17S–5.0	174W–6.0	126–6	4.5b,4.5			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**VIII**	**15 07 51**	**21.9–1.7**	**15.5S–.70**	**174.0W–.40**	**35**	**4.2b**	**8**	**3-146**	
IDC	VIII	15 07 51	19.5–1.2	14.87S	174.63W	0	4.3L,4.2b			**¶621023567**

ISC Event type se.
IDC Error ellipse: s-maj=69.3km s-min=18.1km az=156.0.

ISC	**VIII**	**20 04 06**	**28.4–.59**	**15.4S–.20**	**173.9W–.10**	**50**	**4.0b**	**27**	**2-146**	
IDC	VIII	20 04 06	31.4–2.8	15.28S	173.87W	78–26	4.0,3.6b			**¶621041238**
NEIC	VIII	20 04 06	31.0–1.2	15.5S–.20	173.8W–.20	67–14	4.5b,3.6b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**20 10 10**	**54.4–1.1**	**15.12S**	**173.23W**	**0**	**3.7b,3.7**			**¶621041268**

IDC Error ellipse: s-maj=47.0km s-min=16.5km az=142.0.

ISC	**VIII**	**19 20 21**	**13.9–.61**	**17.2S–.10**	**174.22W–.10**	**100**	**4.3b**	**57**	**4-148**	
NEIC	VIII	19 20 21	15.4–1.5	17.1S–.10	174.24W–.03	110–8	4.3b			**¶621039216**
IDC	VIII	19 20 21	15.3–3.1	17.18S	174.29W	114–27	4.3,4.0b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=3.7km az=178.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.1km s-min=14.8km az=143.0.
ISC VIII 21 07 18 31.5–.36 15.41S–.07 173.77W–.06 150 4.4b 114 2-148
IDC VIII 21 07 18 27.0–1.5 15.39S 173.95W 98–14 4.4,4.0b **¶620999220**
NEIC VIII 21 07 18 31.0–2.3 15.4S–.10 173.67W–.08 133–8 4.5b,4.0b
GFZ VIII 21 07 18 34.0–.72 15S–5.0 174W–4.0 171–7 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VIII 25 13 01 05.0–1.5 15.83S 174.56W 240–27 3.8,3.1b
¶621058939
IDC Error ellipse: s-maj=54.5km s-min=23.5km az=167.0.
ISC VIII 24 13 21 28.0–.82 16.3S–.10 173.97W–.10 50 4.1b 18 3-83
IDC VIII 24 13 21 30.8–5.3 15.67S 174.28W 59–33 4.4L,4.0 **¶621049335**
NEIC VIII 24 13 21 30.1–1.0 16.14S–.09 173.99W–.08 69–11 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 10 01 46.3–.56 16.3S–.10 175.94W–.08 350 4.1b 41 3-145
NEIC VIII 21 10 01 46.3–.82 16.40S–.08 175.90W–.09 346–12 4.2b **¶621042982**
IDC VIII 21 10 01 46.6–1.6 16.31S 176.10W 342–16 4.1,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=5.0km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=14.8km az=149.0.
ISC VIII 22 00 41 49.4–.65 16.6S–.20 174.3W–.20 50 4.2b 32 4-147
IDC VIII 22 00 41 50.4–4.5 16.50S 174.27W 58–30 4.3L,4.0 **¶621043039**
NEIC VIII 22 00 41 51.7–.78 16.6S–.20 174.2W–.20 70–6 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 27 20 00 28.1–2.1 15.34S 173.88W 0 4.4b,4.4
¶621072172
IDC Error ellipse: s-maj=60.8km s-min=41.8km az=32.0.
ISC IX 01 08 21 04.2–.30 18.68S–.05 174.04W–.04 34–1 5.5b,4.5s 763 5-173
IDC IX 01 08 20 59.0–.36 18.73S 174.09W 0 5.1L,5.1b **¶621012691**
GFZ IX 01 08 21 01.0–.20 19S–4.0 174W–4.0 10 5.5b,5.2
MOS IX 01 08 21 01.8–.98 18.69S 174.16W 25 5.5b,5.2
BJI IX 01 08 21 03.5 18.69S 173.60W 46 5.4b,5.1b
NEIC IX 01 08 21 03.9–1.9 18.62S–.08 174.1W–.10 29–2 5.6b,5.4
GCMT IX 01 08 21 08.4–.10 18.67S–.01 173.60W–.01 43–0 5.3W,5.4
NOU IX 01 08 21 08.4 19.03S 173.84W 76 5.5b,5.4
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=10.5km az=124.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=9.7km s-min=7.6km az=57.7.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.9km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109010821A. Moment Tensor Solution. s104,c181; s126,c230;Duration: 1$9$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$0.15±.02; $M_{\phi\phi}$-0.81±.02; $M_{r\theta}$0.34±.02; $M_{\theta\phi}$0.49±.01; $M_{\phi r}$-0.77±.02; Best double couple: NP1: ϕ_s340.00000°,δ23.00000°,λ93.00000°. NP2:ϕ_s156.00000°,δ67.00000°,λ89.00000°. Principal axes: T 1.0160,Plg68.0000°,Azm63.0000°; N 0.3540,Plg1.0000°,Azm157.0000° ; P -1.3690,Plg22.0000°,Azm247.0000° $M_0$1.19200×10^{17}
NOU Tonga Islands.
ISC VIII 29 08 50 43.8–.32 18.97S–.06 173.11W–.06 10 5.0b,4.9s 476 5-160
NEIC VIII 29 08 50 42.9–1.7 18.66S–.04 173.04W–.09 10–1 5.1b,5.0 **¶621009933**
NEIC VIII 29 08 50 42.9 18.62S 173.05W 10 5.1b,5.0
IDC VIII 29 08 50 42.2–.45 19.00S 173.08W 0 4.7s,4.6b
MOS VIII 29 08 50 42.4–1.1 18.94S 173.30W 10 5.2b,4.7s
NEIC VIII 29 08 50 43.6 18.92S 172.63W 12 5.2,4.7s
GFZ VIII 29 08 50 43.6–.16 19S–4.0 173W–3.0 10 5.2,4.9b
NOU VIII 29 08 50 45.3 19.17S 173.44W 17 5.0b,4.9b
GCMT VIII 29 08 50 48.6–.10 18.98S–.01 172.71W–.01 12 5.2W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2$9$7 Moment tensor: Scale 10^{16}Nm; M_{rr}7.42 $M_{\theta\theta}$-2.38 $M_{\phi\phi}$-5.05 $M_{r\theta}$0.77 $M_{\theta\phi}$-2.44 $M_{\phi r}$-1.64 NP1:ϕ_s39.81000°,δ41.57000° ,λ104.61000°. NP2:ϕ_s200.60000°,δ50.05000°,λ77.39000°. Principal axes: T 7.7557,Plg79.0000°,Azm53.0000°; N -1.1874,Plg10.0000°,Azm209.0000° ; P -6.5683,Plg4.0000°,Azm300.0000° $M_0$7.24000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108290850A. Moment Tensor Solution. s96,c153; s145,c271;Duration: 1$9$0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.01 $M_{\theta\theta}$-0.18±.01; $M_{\phi\phi}$-0.62±.01; $M_{r\theta}$0.33±.03; $M_{\theta\phi}$-0.30±.01; $M_{\phi r}$0.41±.02; Best double couple: NP1: ϕ_s201.00000°,δ29.00000°,λ79.00000°. NP2:ϕ_s33.00000°,δ62.00000°,λ96.00000°. Principal axes: T 0.9610,Plg73.0000°,Azm317.0000°; N -0.0380,Plg5.0000°,Azm210.0000° ; P -0.9240,Plg17.0000°,Azm119.0000° $M_0$0.94300×10^{17}
ISC VIII 29 10 05 35.7–.64 21.66S–.06 173.59W–.07 23–4 4.7b,3.3s 182 8-160
IDC VIII 29 10 05 33.0–.54 21.79S 173.87W 0 4.4,4.3L **¶621009937**
NEIC VIII 29 10 05 34.5–1.6 21.72S–.10 173.55W–.10 16–4 4.7b,4.3L
GFZ VIII 29 10 05 34.6–.24 22S–5.0 174W–4.0 10 4.8b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 30 02 43 57.0–.63 18.5S–.10 175.3W–.10 150 4.3b 41 6-149
NEIC VIII 30 02 43 59.5–1.8 18.4S–.10 175.3W–.10 176–8 4.6b **¶621076481**
IDC VIII 30 02 44 01.6–2.8 18.51S 175.40W 196–25 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=15.6km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.7km s-min=13.3km az=147.0.
ISC VIII 30 17 28 50.6–.85 15.6S–.30 175.0W–.10 262 3.3b 10 4-146
IDC VIII 30 17 28 51.5–1.1 15.65S 174.88W 281–12 3.9,3.2b **¶621076535**
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=14.2km az=149.0.
ISC VIII 30 18 25 55.0–.53 15.6S–.10 173.8W–.10 94 4.3b 43 3-175
NEIC VIII 30 18 25 54.6–1.9 15.6S–.20 173.8W–.10 83–8 4.5b **¶621076537**
IDC VIII 30 18 25 55.8–2.2 15.67S 173.70W 94–19 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.8km s-min=12.1km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.4km s-min=13.5km az=145.0.
ISC VIII 31 07 35 39.5–.94 15.1S–.30 173.5W–.20 10 3.5b 8 2-82
IDC VIII 31 07 35 38.2–.94 15.12S 173.70W 0 4.1L,3.7 **¶621076589**
ISC Event type se.
IDC Error ellipse: s-maj=53.2km s-min=18.6km az=148.0.
ISC IX 04 20 16 04.7–.46 15.1S–.10 173.5W–.10 10 4.6b,3.7s 89 2-154
IDC IX 04 20 16 04.1–.58 15.14S 173.77W 0 5.2L,4.3b **¶621081652**
NEIC IX 04 20 16 05.2–1.1 15.1S–.10 173.6W–.10 10–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 03 14 13 40.3–.54 21.54S–.08 173.80W–.08 25 4.4b,3.9s 53 8-154
NEIC IX 03 14 13 36.7–.84 21.8S–.10 173.51W–.09 10–1 4.3b,3.9s **¶621081567**
IDC IX 03 14 13 39.7–.75 21.69S 174.38W 0 4.4b,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=14.5km az=174.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.7km s-min=17.7km az=163.0.
ISC IX 01 05 18 13.4–.84 19.8S–.10 175.8W–.10 222 4.0b 26 6-150
NEIC IX 01 05 18 13.4–1.3 19.7S–.20 175.6W–.10 240–15 4.2b **¶621080596**
IDC IX 01 05 18 17.5–3.9 19.87S 176.07W 249–34 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=16.8km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.8km s-min=24.9km az=148.0.
ISC IX 05 02 36 21.1–2.0 15.1S–.70 173.8W–.40 100 3.5b 7 2-146
IDC IX 05 02 36 20.3–2.6 15.26S 173.74W 95–18 3.6,3.2b **¶621086374**
ISC Event type se.
IDC Error ellipse: s-maj=142.9km s-min=16.5km az=149.0.
IDC IX 04 22 20 52.5–10 21.20S 174.75W 0 3.9b,3.9
¶621081657
IDC Error ellipse: s-maj=438.1km s-min=60.3km az=145.0.
ISC IX 07 03 28 01.5–.65 15.3S–.20 173.0W–.20 29 4.5b,3.3s 26 2-146
NEIC IX 07 03 27 59.5–.77 15.4S–.10 173.0W–.20 10–1 4.7b,3.3s **¶621094298**
IDC IX 07 03 28 00.1–1.8 15.07S 173.68W 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=12.5km az=307.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=104.4km s-min=19.5km az=152.0.
ISC IX 05 21 26 29.5–.54 15.9S–.10 173.3W–.10 35 4.4b 45 2-149
IDC IX 05 21 26 24.3–1.1 16.15S 173.31W 0 4.0s,3.9b **¶621086422**
NEIC IX 05 21 26 29.5–1.5 15.9S–.10 173.2W–.10 35–2 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 06 18 14 12.0–4.0 21.98S 173.58W 0 4.0b,4.0
¶621094272
IDC Error ellipse: s-maj=112.7km s-min=39.7km az=32.0.
ISC IX 06 18 33 22.4–.73 17.9S–.20 174.5W–.10 10 4.1b 14 5-148
IDC IX 06 18 33 21.6–.74 18.19S 174.47W 0 4.0b,4.0 **¶621094274**
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=17.4km az=135.0.
ISC IX 07 03 54 01.7–.43 15.91S–.06 173.95W–.05 105–4 4.7b 307 3-155
NEIC IX 07 03 53 59.6–1.8 16.0S–.10 173.8W–.10 82–6 4.8b **¶621039545**
IDC IX 07 03 54 00.9–2.3 15.92S 173.88W 97–21 4.8,4.4b
NOU IX 07 03 54 02.4 16.17S 173.54W 153 5.0b,4.4b
GFZ IX 07 03 54 02.5–.16 16S–4.0 174W–3.0 112 4.8b,4.8
GCMT IX 07 03 54 06.6–.30 15.94S–.03 173.52W–.02 144–3 4.9W,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109070354A. Moment Tensor Solution. s23,c24; s88,c112; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.12 $M_{\theta\theta}$-1.20±.19; $M_{\phi\phi}$1.17±.18; $M_{r\theta}$-0.39±.09; $M_{\theta\phi}$-0.51±.21; $M_{\phi r}$2.62±.08; Best double couple: NP1:ϕ_s313.00000°,δ9.00000° ,λ-132.00000°. NP2:ϕ_s175.00000°,δ84.00000°,λ-84.00000°. Principal axes: T 3.3730,Plg38.0000°,Azm260.0000°; N -1.2890,Plg6.0000°,Azm354.0000° ; P -2.0780,Plg51.0000°,Azm91.0000° $M_0$2.72500×10^{16}
IDC IX 09 09 53 50.1–8.2 17.20S 174.69W 0 3.9b,3.9
¶621105870
IDC Error ellipse: s-maj=365.2km s-min=34.3km az=141.0.
ISC IX 08 02 42 54.3–1.2 19.9S–.30 175.7W–.20 204 3.7b 13 6-150
IDC IX 08 02 42 50.5–12 20.23S 175.49W 173–89 4.0,3.6b **¶621105759**
ISC Event type se.
IDC Error ellipse: s-maj=149.6km s-min=27.9km az=135.0.
IDC IX 09 16 43 51.6–8.1 21.78S 175.93W 0 3.8b,3.8
¶621105893
IDC Error ellipse: s-maj=326.5km s-min=56.9km az=144.0.
ISC IX 10 08 46 49.2–.72 21.5S–.10 176.0W–.10 100 4.2b 36 8-150
IDC IX 10 08 46 34.1–1.7 22.75S 175.16W 0 4.3b,4.3 **¶621108498**
NEIC IX 10 08 46 50.1–.97 21.63S–.08 176.0W–.20 85–8 4.3b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 15 47 23.8–.65 16.1S–.10 174.7W–.10 200 3.7b 16 4-147
IDC IX 11 15 47 22.2–1.7 16.19S 174.74W 178–19 4.0,3.5b **¶621108590**
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=17.6km az=129.0.
ISC IX 11 03 35 32.4–.90 15.2S–.30 173.6W–.20 10 3.8b 9 2-146
IDC IX 11 03 35 31.6–.83 15.37S 173.66W 0 5.3L,4.0 **¶621108555**
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=18.2km az=145.0.
ISC IX 11 07 40 50.2–.65 18.4S–.10 173.9W–.10 35 4.5b,3.7s 43 5-149
IDC IX 11 07 40 45.0–.65 18.65S 173.87W 0 4.3,4.2b **¶621108570**
NEIC IX 11 07 40 49.9–2.2 18.5S–.10 173.7W–.20 32–6 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 08 14 35.7–.60 19.25S–.08 173.5W–.10 10 4.2b 37 6-150
IDC IX 12 08 14 34.9–.80 19.52S 173.63W 0 4.1b,4.1 **¶621109639**
NEIC IX 12 08 14 35.0–.66 19.3S–.10 173.4W–.20 10–2 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 11 57 36.8–.39 15.42S–.05 174.33W–.04 186–3 4.8b 646 3-176
IDC IX 12 11 57 33.6–1.1 15.40S 174.45W 155–10 5.0,4.6b **¶621070681**
BJI IX 12 11 57 35.3 15.01S 173.96W 184 5.0b,4.6b
NOU IX 12 11 57 36.6 15.34S 174.16W 210 5.1b,4.6b
NEIC IX 12 11 57 37.4 15.31S 174.11W 190 5.2,4.6b
GFZ IX 12 11 57 37.8–.42 15S–6.0 174W–4.0 206–4 5.7b,5.2
NEIC IX 12 11 57 37.1–1.6 15.4S–.10 174.30W–.08 187–6 4.7b,5.2
NEIC IX 12 11 57 37 15.41S 174.32W 186 4.7b,5.2
GCMT IX 12 11 57 41.5–.20 15.33S–.01 174.28W–.01 194–1 5.2W,5.2
ISC Event type se.
NOU Tonga Islands.
NEIC Event type se. Moment Tensor Solution.Duration: 1$9$9 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.13 $M_{\theta\theta}$1.57 $M_{\phi\phi}$4.55 $M_{r\theta}$0.78 $M_{\theta\phi}$3.71 $M_{\phi r}$-0.98 NP1:ϕ_s226.20000°,δ44.71000° ,λ-72.36000°. NP2:ϕ_s22.10000°,δ47.90000°,λ-106.69000°. Principal axes: T 7.0742,Plg2.0000°,Azm124.0000°; N -0.6782,Plg12.0000°,Azm33.0000° ; P -6.3960,Plg78.0000°,Azm221.0000° $M_0$6.76000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109121157A. Moment Tensor Solution. s83,c113; s123,c219;Duration: 1$9$0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64±.01 $M_{\theta\theta}$-0.11±.02; $M_{\phi\phi}$0.75±.02; $M_{r\theta}$0.33±.01; $M_{\theta\phi}$0.30±.02; $M_{\phi r}$-0.40±.01; Best double couple: NP1: ϕ_s224.00000°,δ42.00000°,λ-44.00000°. NP2:ϕ_s350.00000°,δ62.00000°,λ-123.00000°. Principal axes: T 0.9030,Plg11.0000°,Azm103.0000°; N 0.0320,Plg29.0000°,Azm7.0000° ; P -0.9350,Plg59.0000°,Azm212.0000° $M_0$0.91900×10^{17}
ISC IX 16 10 47 28.0–.50 17.17S–.09 174.22W–.08 124 4.3b 64 4-148
IDC IX 16 10 47 25.4–2.3 17.28S 174.23W 100–21 4.3,4.0b **¶621112881**
NEIC IX 16 10 47 30.5–1.6 16.97S–.10 174.1W–.10 163–12 4.4b,4.0b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 13 23 33 37.4–.49 15.51S–.09 173.87W–.08 94 4.6b 44 3-146
NEIC IX 13 23 33 34.4–1.4 15.70S–.06 173.82W–.08 59–7 4.8b **¶621109731**
IDC IX 13 23 33 36.3–3.3 15.71S 173.82W 74–34 4.7L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.0km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.3km s-min=29.2km az=155.0.
ISC IX 16 12 21 58.1–.90 16.4S–.30 174.8W–.20 200 3.2b 9 4-84
IDC IX 16 12 21 58.4–2.3 16.41S 174.80W 203–23 3.8,3.2b **¶621112888**
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=17.2km az=146.0.
ISC IX 18 05 26 01.5–1.3 18.7S–.10 173.9W–.20 35 4.2b 10 5-97
IDC IX 18 05 25 56.0–.84 18.79S 173.90W 0 4.3,4.2b **¶621113547**
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=14.0km az=125.0.
ISC IX 17 06 04 46.5–1.5 15.5S–.60 174.2W–.40 100 3.8b 8 3-83
IDC IX 17 06 04 46.3–2.1 15.56S 174.12W 101–25 4.0,3.6b **¶621112937**
ISC Event type se.
IDC Error ellipse: s-maj=125.3km s-min=16.7km az=145.0.
ISC IX 16 23 36 10.8–.44 16.23S–.09 174.64W–.07 175 4.0b 52 4-155
IDC IX 16 23 36 11.9–1.4 16.15S 174.69W 186–14 4.2,3.7b **¶621112916**
NEIC IX 16 23 36 12.6–1.1 16.2S–.10 174.55W–.07 190–7 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 19 00 19 06.4–.30 20.18S–.04 175.73W–.03 198–2 5.2b 1226 6-177
BJI IX 19 00 19 02.9 20.04S 175.07W 193 5.1b,4.9b **¶621083003**
MOS IX 19 00 19 02.7–.88 20.10S 175.82W 171 5.2b,4.9b
IDC IX 19 00 19 03.7–1.3 20.07S 175.78W 170–11 5.3,4.8b
NOU IX 19 00 19 04.9 20.05S 175.29W 218 5.3b,4.8b
BGR IX 19 00 19 05.5 20.57S 175.55W 189–3 5.3b,4.8b
NEIC IX 19 00 19 06.7–1.6 20.06S–.08 175.75W–.07 192–4 5.3b,5.2
GFZ IX 19 00 19 06.2–.51 20S–4.0 176W–4.0 199–6 5.5b,5.2b
GCMT IX 19 00 19 08.1–.20 20.16S–.01 175.43W–.01 199–1 5.2W,5.2b
ISC Event type ke.
NOU Tonga Islands.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109190019A. Moment Tensor Solution. s98,c157; s137,c236;Duration: 1$s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53±.01 $M_{\theta\theta}$-0.39±.02; $M_{\phi\phi}$-0.13±.02; $M_{r\theta}$-0.15±.01; $M_{\theta\phi}$0.26±.01; $M_{\phi r}$-0.71±.01; Best double couple: NP1: ϕ_s288.00000°,δ31.00000°,λ36.00000°. NP2:ϕ_s166.00000°,δ72.00000°,λ116.00000°. Principal axes: T 1.0300,Plg55.0000°,Azm109.0000°; N -0.3630,Plg25.0000°,Azm338.0000° ; P -0.6670,Plg23.0000°,Azm236.0000° $M_0$0.84800×10^{17}
ISC IX 18 18 39 01.8–1.0 16.3S–.40 175.3W–.20 200 4.3b 20 4-91
IDC IX 18 18 38 36.9–58 16.00S 174.87W 0 4.2b,4.2 **¶621113585**
NEIC IX 18 18 39 03.8–1.4 16.2S–.30 175.1W–.30 222–14 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 00 56 06.5–.27 15.73S–.05 173.67W–.03 73–2 5.1b 692 3-175
BJI IX 18 00 56 01.5 15.88S 173.19W 62 5.4b,5.1b **¶621082838**
GFZ IX 18 00 56 06.1–.41 16S–5.0 174W–3.0 70–3 5.9,5.9
NEIC IX 18 00 56 06.4–1.8 15.77S–.09 173.71W–.09 67–5 5.1b,5.9
BGR IX 18 00 56 06.9 15.93S 173.71W 72–0 5.1b,5.9
IDC IX 18 00 56 07.3–1.7 15.71S 173.92W 75–14 4.8,4.5b
NOU IX 18 00 56 07.2 15.92S 173.57W 102 5.1b,4.5b
GCMT IX 18 00 56 12.6–.20 15.65S–.01 173.67W–.01 105–1 5.1W,4.5b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109180056A. Moment Tensor Solution. s84,c128; s119,c185;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.77±.13 $M_{\theta\theta}$-0.19±.16; $M_{\phi\phi}$-1.58±.16; $M_{r\theta}$1.64±.09; $M_{\theta\phi}$0.10±.18; $M_{\phi r}$-4.72±.08; Best double couple: NP1:ϕ_s4.00000° ,δ10.00000°,λ112.00000°. NP2:ϕ_s162.00000°,δ81.00000°,λ86.00000°. Principal axes: T 5.4020,Plg54.0000°,Azm67.0000°; N -0.2640,Plg4.0000°,Azm162.0000° ; P -5.1350,Plg36.0000°,Azm255.0000° $M_0$5.26900×10^{16}
ISC IX 19 06 03 31.7–.66 21.9S–.10 174.8W–.10 33 4.1b,3.6s 30 8-146
IDC IX 19 06 03 26.7–1.0 21.75S 174.80W 0 3.9b,3.9 **¶621113610**
NEIC IX 19 06 03 33.8–.86 22.1S–.10 175.0W–.10 35–2 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 20 01 10 11.7–.48 15.1S–.10 175.62W–.09 350 4.1b 65 3-151
NEIC IX 20 01 10 10.5–2.2 15.1S–.10 175.54W–.09 331–6 4.3b **¶621115973**
IDC IX 20 01 10 11.1–1.5 15.06S 175.72W 336–15 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=10.9km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.0km s-min=12.4km az=143.0.
ISC IX 20 18 34 50.1–.21 21.10S–.04 174.20W–.04 5 5.7s,5.6b 1057 8-171
IPGP IX 20 18 34 48.0 21.09S 173.78W 22 5.8W,5.6b **¶621086519**
BJI IX 20 18 34 48.3 21.10S 173.80W 10 6.1b,5.7s
IDC IX 20 18 34 50.0–.33 21.06S 174.32W 0 5.4b,5.4
GFZ IX 20 18 34 51.2–.17 21S–3.0 174W–3.0 10 6.1L,6.0b
MOS IX 20 18 34 51.7–1.3 21.05S 174.39W 19 5.7b,5.6s
ISC-P IX 20 18 34 52 20.98S 174.27W 5–0 6.1,5.6s
NEIC IX 20 18 34 52.5–1.9 20.98S–.07 174.27W–.08 14–1 5.8,5.7
NEIC IX 20 18 34 52.1 21.01S 174.24W 10 5.8,5.7
NEIC IX 20 18 34 52.3 20.98S 174.30W 10 5.8,5.7
GFZ IX 20 18 34 52.0 21.02S 174.45W 26 5.9W,5.7
PTWC IX 20 18 34 53 21.10S 173.70W 68 6.0,5.7
NOU IX 20 18 34 53.7 21.02S 174.21W 27 5.6,5.7
NEIC IX 20 18 34 55.5 21.21S 173.81W 26 5.8,5.7
BGR IX 20 18 34 56.0 21.01S 174.68W 33 5.8s,5.7
GCMT IX 20 18 34 57.1–.10 21.18S 173.88W 18–0 5.9W,5.7
ISC Event type ke.
IPGP Moment Tensor Solution. NP1:ϕ_s175.00000°,δ28.00000°,λ69.00000°. NP2:ϕ_s19.00000° ,δ64.00000°,λ101.00000°.
IDC Error ellipse: s-maj=11.7km s-min=10.0km az=147.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=9.2km s-min=7.8km az=120.8.
ISC-P Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}0.62±.14 $M_{\theta\theta}$0.00±.15; $M_{\phi\phi}$-0.63±.17; $M_{r\theta}$-0.23±.16; $M_{\theta\phi}$0.23±.27; $M_{\phi r}$0.03±.13; NP1:ϕ_s340.30000°,δ57.90000° ,λ71.50000°. NP2:ϕ_s192.60000°,δ36.60000°,λ116.90000°. $M_0$1.82000×10^{18}
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=10.8km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.75 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-4.95 $M_{r\theta}$1.09 $M_{\theta\phi}$-1.53 $M_{\phi r}$1.55 NP1:ϕ_s23.07000°,δ55.23000°,λ99.38000°. NP2:ϕ_s186.90000°,δ35.86000° ,λ76.78000°. Principal axes: T 5.1422,Plg78.0000°,Azm325.0000°; N 0.5299,Plg8.0000° ,Azm198.0000°; P -5.6721,Plg10.0000°,Azm106.0000° $M_0$5.43000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}8.33 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$-6.86 $M_{r\theta}$1.52 $M_{\theta\phi}$-2.12 $M_{\phi r}$5.11 NP1: ϕ_s200.22351°,δ28.12040°,λ92.15210°. NP2:ϕ_s17.78370°,δ61.90120°,λ88.85033°. Principal axes: T 9.9485,Plg73.0741°,Azm284.9905°; N -0.7413,Plg1.0142°,Azm18.3252° ; P -9.2073,Plg16.8937°,Azm108.6333° $M_0$9.59940×10^{17}
NOU Tonga Islands.
NEIC Event type se. Moment Tensor Solution.Duration: 4$s0 Moment tensor: Scale 10^{17}Nm; M_{rr}6.85 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-6.00 $M_{r\theta}$0.26 $M_{\theta\phi}$-1.94 $M_{\phi r}$-2.60 NP1:ϕ_s26.23000°,δ35.78000° ,λ102.98000°. NP2:ϕ_s190.37000°,δ55.27000°,λ80.80000°. Principal axes: T 7.4089,Plg78.0000°,Azm69.0000°; N -0.3486,Plg8.0000°,Azm196.0000° ; P -7.0603,Plg10.0000°,Azm287.0000° $M_0$7.24000×10^{17}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109201834A. Moment Tensor Solution. s149,c318; s166,c558;Duration: 2$s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.65±.01 $M_{\theta\theta}$-0.04±.00; $M_{\phi\phi}$-0.60±.00; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$-0.24±.00; $M_{\phi r}$0.47±.01; Best double couple: NP1:ϕ_s195.00000°,δ26.00000°,λ80.00000°. NP2:ϕ_s25.00000°,δ64.00000°,λ95.00000°. Principal axes: T 0.8400,Plg70.0000°,Azm305.0000°; N 0.0380,Plg4.0000°,Azm203.0000° ; P -0.8780,Plg19.0000°,Azm112.0000° $M_0$0.85900×10^{18}
IDC IX 20 08 37 13.1–9.2 17.76S 174.17W 250–41 4.5,3.8b ¶621115984
IDC Error ellipse: s-maj=183.5km s-min=32.9km az=28.0.
ISC IX 21 04 42 49.1–.31 15.82S–.06 175.37W–.05 321 4.6b 313 3-151
BGR IX 21 04 42 47.9 15.81S 175.07W 300 4.6b **¶621093593**
BJI IX 21 04 42 48.4 15.33S 174.85W 327 5.0b,4.7b
NEIC IX 21 04 42 49.4–1.4 15.9S–.10 175.31W–.09 321–6 4.6b,4.7b
NOU IX 21 04 42 49.3 15.69S 175.26W 351 4.8b,4.7b
GFZ IX 21 04 42 50.8–.36 16S–4.0 175W–4.0 329–3 5.2b,4.6b
IDC IX 21 04 42 50.0–1.4 15.64S 175.56W 321–14 4.8,4.0b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=11.7km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=13.2km s-min=10.6km az=135.0.
ISC IX 20 23 12 26.6–.91 18.4S–.20 174.4W–.20 35 3.9b 10 5-149
IDC IX 20 23 12 28.0–4.4 18.45S 174.42W 52–39 4.5L,3.9 **¶621116008**
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=20.3km az=143.0.
ISC IX 20 23 15 13.9–.66 16.4S–.10 173.6W–.20 66 3.9b 32 3-147
IDC IX 20 23 15 13.1–3.2 16.39S 173.73W 50–29 4.1L,4.0 **¶621116009**
ISC Event type se.
IDC Error ellipse: s-maj=47.0km s-min=16.3km az=144.0.
ISC IX 21 00 25 39.8–.46 21.11S–.07 173.51W–.08 10 4.5b,3.7s 78 7-152
NEIC IX 21 00 25 39.4–1.9 21.11S–.08 173.3W–.10 10–1 4.9b,3.7s **¶621116012**
IDC IX 21 00 25 40.8–.62 21.45S 173.96W 0 4.1L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=13.0km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.9km s-min=15.3km az=149.0.
ISC IX 21 15 30 08.7–.42 20.83S–.06 174.03W–.07 10 4.5b 66 7-151
IDC IX 21 15 30 08.0–.59 20.97S 174.38W 0 4.3b,4.3 **¶621116038**
NEIC IX 21 15 30 09.2–2.4 20.85S–.04 173.90W–.09 10–1 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 21 08 06 41.1–1.1 16.57S 173.57W 0 3.9,3.7b ¶621116025
IDC Error ellipse: s-maj=30.8km s-min=20.6km az=136.0.
ISC IX 22 08 30 14.5–.59 21.00S–.08 173.85W–.10 10 4.5b 33 7-152
NEIC IX 22 08 30 14.7–2.2 21.2S–.10 173.8W–.10 10–1 4.6b **¶621118129**
IDC IX 22 08 30 16.1–.96 20.92S 174.56W 0 4.3L,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=16.1km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.9km s-min=14.6km az=127.0.
ISC IX 23 08 23 12.8–.69 15.0S–.20 173.4W–.10 150 4.1b 22 2-84
IDC IX 23 08 23 12.1–5.0 15.10S 173.45W 136–85 3.9,3.5b **¶621125836**
NEIC IX 23 08 23 13.4–1.1 15.1S–.20 173.3W–.10 149–13 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 23 12 24 33.2–4.0 15.15S 173.30W 0 3.9b,3.9 ¶621125855
IDC Error ellipse: s-maj=238.6km s-min=17.0km az=147.0.
IDC IX 23 20 06 24.9–2.6 16.94S 175.43W 0 4.5L,4.4b ¶621125880
IDC Error ellipse: s-maj=171.4km s-min=18.1km az=148.0.
IDC IX 25 10 27 05.1–6.8 16.42S 174.13W 131–92 3.8,3.7L ¶621131451
IDC Error ellipse: s-maj=85.1km s-min=39.9km az=11.0.
IDC IX 23 14 44 52.9–3.0 15.36S 173.66W 0 3.7b,3.6 ¶621125863
IDC Error ellipse: s-maj=161.0km s-min=16.9km az=148.0.
ISC IX 23 18 32 31.4–.73 17.3S–.10 173.0W–.10 10 4.3b 34 4-146
IDC IX 23 18 32 30.8–1.4 17.57S 173.03W 0 4.2b,4.2 **¶621125872**
NEIC IX 23 18 32 31.7–2.0 17.4S–.10 173.02W–.10 10–1 4.8b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 24 00 08 11.4–.54 21.47S–.07 174.01W–.06 13–3 4.8b,4.6s 220 8-171
IDC IX 24 00 08 10.4–.44 21.51S 174.20W 0 4.6,4.5b **¶621109269**
NEIC IX 24 00 08 11.7–2.3 21.45S–.09 174.06W–.09 10–1 4.8b,4.5b
GCMT IX 24 00 08 15.2–.40 21.58S–.03 173.59W–.04 22–1 4.9W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109240008A. Moment Tensor Solution. s27,c28; s72,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.56±.20 $M_{\theta\theta}$1.49±.13; $M_{\phi\phi}$1.06±.13; $M_{r\theta}$1.49±.21; $M_{\theta\phi}$0.78±.08; $M_{\phi r}$0.26±.21; Best double couple: NP1:ϕ_s45.00000°,δ30.00000° ,λ-108.00000°. NP2:ϕ_s246.00000°,δ61.00000°,λ-80.00000°. Principal axes: T 2.4590,Plg16.0000°,Azm328.0000°; N 0.5800,Plg9.0000°,Azm61.0000° ; P -3.0490,Plg72.0000°,Azm180.0000° $M_0$2.75400×10^{16}
ISC IX 25 15 45 11.0–.43 20.32S–.07 174.35W–.08 35 4.6b,3.8s 119 7-153
IDC IX 25 15 45 05.7–.53 20.48S 174.42W 0 4.4L,4.3 **¶621110125**
GFZ IX 25 15 45 06.2–.28 20S–4.0 175W–6.0 10 4.8L,4.5b
NEIC IX 25 15 45 11.9–1.8 20.35S–.09 174.51W–.04 35–2 4.7b,4.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 26 02 54 47.4–2.3 20.98S 174.27W 0 4.0L,3.9 ¶621131480
IDC Error ellipse: s-maj=70.3km s-min=18.6km az=129.0.
ISC IX 25 14 30 59.2–.49 20.23S–.08 174.19W–.09 10 4.3b,3.8s 72 7-153
IDC IX 25 14 30 58.8–.56 20.47S 174.40W 0 4.2b,4.2 **¶621109930**
NEIC IX 25 14 30 58.8–1.9 20.1S–.10 174.2W–.10 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 25 08 53 11.0–.51 15.2S–.10 175.46W–.08 26 4.5b,3.9s 49 3-146
IDC IX 25 08 53 07.5–.67 15.32S 175.63W 0 4.1b,4.1 **¶621131446**
NEIC IX 25 08 53 09.5–1.8 15.2S–.10 175.41W–.07 10–1 4.7b,4.1
GCMT IX 25 08 53 13.4–.30 15.18S–.02 175.62W–.02 18–1 4.8W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109250853A. Moment Tensor Solution. s15,c16; s97,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.34±.10 $M_{\theta\theta}$2.16±.10; $M_{\phi\phi}$-1.82±.08; $M_{r\theta}$0.12±.21; $M_{\theta\phi}$0.98±.08; $M_{\phi r}$-0.59±.20; Best double couple: NP1:ϕ_s300.00000°,δ77.00000°,λ-12.00000°. NP2:ϕ_s33.00000°,δ78.00000°,λ-167.00000°. Principal axes: T 2.3910,Plg0.0000°,Azm167.0000°; N -0.1530,Plg72.0000°,Azm76.0000°; P -2.2390,Plg18.0000°,Azm257.0000° $M_0$2.31500×10^{16}

IDC	**IX**	**26 10 21 43.2–5.5**	**17.82S**	**174.54W**	**0**	**3.6b,3.6**			
									¶621131504
IDC	Error ellipse: s-maj=191.1km s-min=109.7km az=157.0.								
ISC	**IX**	**26 15 34 49.8–.68**	**18.55S–.08**	**174.49W–.10**	**100**	**4.1b**	**31**	**5-149**	
IDC	IX	26 15 34 48.8–3.4	18.61S	174.64W	85–33	3.9,3.6b			**¶621131519**
NEIC	IX	26 15 34 49.8–1.4	18.6S–.10	174.5W–.10	91–9	4.3b,3.6b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**26 06 01 54.3–.83**	**15.5S–.20**	**173.3W–.10**	**42**	**4.2b**	**21**	**2-146**	
IDC	IX	26 06 01 51.2–1.2	15.55S	173.71W	0	4.4L,4.1b			**¶621131492**
NEIC	IX	26 06 01 54.7–1.6	15.6S–.10	173.27W–.06	35–2	4.3b,4.1b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**27 15 40 33.6–.65**	**16.5S–.10**	**173.5W–.20**	**66**	**4.3b**	**35**	**3-150**	
IDC	IX	27 15 40 26.0–1.1	16.84S	173.58W	0	4.1b,4.1			**¶621140729**
NEIC	IX	27 15 40 32.6–1.4	16.4S–.20	173.5W–.20	57–10	4.5b,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**26 23 10 03.4–.69**	**15.2S–.20**	**173.5W–.10**	**30**	**4.2b**	**13**	**2-146**	
IDC	IX	26 23 10 00.5–.82	15.55S	173.46W	0	4.4L,4.0b			**¶621131545**
ISC	Event type se.								
IDC	Error ellipse: s-maj=35.7km s-min=16.3km az=139.0.								
IDC	**IX**	**29 19 39 10.6–4.0**	**15.75S**	**173.38W**	**0**	**4.2L,4.0b**			
									¶621146392
IDC	Error ellipse: s-maj=205.9km s-min=16.1km az=139.0.								
ISC	**IX**	**30 15 37 53.6–.47**	**18.34S–.07**	**174.32W–.08**	**50**	**4.8b,3.1s**	**69**	**5-149**	
NEIC	IX	30 15 37 55.5–2.0	18.34S–.09	174.2W–.10	80–7	4.9b,3.1s			**¶621147770**
IDC	IX	30 15 37 56.2–3.0	18.25S	174.48W	75–29	4.3,4.0b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=16.7km s-min=10.8km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=26.4km s-min=18.0km az=106.0.								
IDC	**X**	**02 15 23 11.5–53**	**18.23S**	**175.67W**	**0**	**3.7b,3.7**			
									¶621186075
IDC	Error ellipse: s-maj=987.7km s-min=179.9km az=81.0.								
ISC	**X**	**02 07 20 22.2–3.0**	**15.2S–.90**	**173.1W–.60**	**10**	**3.7b**	**7**	**2-146**	
IDC	X	02 07 20 20.8–3.3	15.47S	173.08W	0	3.8b,3.8			**¶621186050**
ISC	Event type se.								
IDC	Error ellipse: s-maj=171.9km s-min=20.9km az=143.0.								
ISC	**X**	**04 15 46 20.2–.59**	**17.12S–.09**	**173.62W–.09**	**50**	**4.2b**	**30**	**4-148**	
IDC	X	04 15 46 15.1–.91	17.37S	173.88W	0	4.0b,4.0			**¶621203125**
NEIC	X	04 15 46 21.5–1.4	17.0S–.10	173.62W–.07	63–9	4.5b,4.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**04 19 36 34.3–.44**	**17.56S–.06**	**174.14W–.07**	**108**	**4.7b**	**93**	**4-148**	
IDC	X	04 19 36 32.1–2.5	17.46S	174.39W	72–25	4.3,3.9b			**¶621118419**
NEIC	X	04 19 36 33.7–1.2	17.59S–.10	174.1W–.10	98–6	4.8b,3.9b			
GFZ	X	04 19 36 37.2–.49	17S–4.0	174W–4.0	175–5	4.9,4.6b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
ISC	**X**	**05 18 21 03.6–.99**	**17.3S–.20**	**174.0W–.10**	**108**	**4.3b**	**29**	**4-119**	
NEIC	X	05 18 21 04.0–.98	17.4S–.10	174.0W–.20	105–10	4.3b			**¶621203185**
IDC	X	05 18 21 04.2–3.6	17.58S	173.82W	126–25	4.3,4.0b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=32.6km s-min=9.7km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=63.4km s-min=21.4km az=139.0.								
IDC	**X**	**08 03 31 25.9–48**	**15.97S**	**173.64W**	**0**	**4.2b,4.2**			
									¶621224624
IDC	Error ellipse: s-maj=930.0km s-min=189.5km az=79.0.								
IDC	**X**	**05 17 59 38.8–16**	**20.93S**	**175.58W**	**321–130**	**3.6,2.8b**			
									¶621203184
IDC	Error ellipse: s-maj=262.7km s-min=33.4km az=150.0.								
ISC	**X**	**06 15 54 20.0–.20**	**15.47S–.04**	**173.21W–.04**	**35**	**5.4b,4.6s**	**1017**	**2-175**	
IDC	X	06 15 54 15.3–.38	15.37S	173.39W	0	5.2L,5.2b			**¶621630039**
MOS	X	06 15 54 19.2–1.1	15.36S	173.47W	33	5.6b,5.2b			
BJI	X	06 15 54 19.4	15.08S	172.91W	42	5.5b,5.2b			
GFZ	X	06 15 54 20.7–.48	15S–3.0	173W–3.0	37–3	5.8b,5.7			
NEIC	X	06 15 54 20.6–1.8	15.42S–.08	173.27W–.07	35–1	5.4,5.4b			
GCMT	X	06 15 54 26.3–.10	15.28S–.01	173.14W–.01	61–1	5.4W,5.4b			
NOU	X	06 15 54 28.3	15.49S	173.49W	110	5.3b,5.4b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=16.2km s-min=12.2km az=134.0.								
MOS	Error ellipse: s-maj=8.2km s-min=7.3km az=86.3.								
GFZ	Error ellipse: s-maj=6.9km s-min=5.3km az=143.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. Error ellipse: s-maj=14.0km s-min=10.4km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110061554A. Moment Tensor Solution. s127,c235; s148,c285;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.55±.02 $M_{\theta\theta}$-0.43±.02; $M_{\phi\phi}$-0.11±.02; $M_{r\theta}$-1.15±.01; $M_{\theta\phi}$0.35±.01; $M_{\phi r}$0.55±.01; Best double couple: NP1: ϕ_s132.00000°,δ13.00000°,λ106.00000°. NP2:ϕ_s296.00000°,δ77.00000°,λ86.00000°. Principal axes: T 1.3610,Plg57.0000°,Azm201.0000°; N 0.1000,Plg4.0000°,Azm297.0000°; P -1.4610,Plg32.0000°,Azm29.0000° $M_0$1.41100×10^{17}								
NOU	Tonga Islands.								
IDC	**X**	**10 03 41 37.5–8.8**	**21.91S**	**175.69W**	**0**	**3.5b,3.5**			
									¶621235365
IDC	Error ellipse: s-maj=378.9km s-min=60.5km az=145.0.								
IDC	**X**	**08 06 12 16.7–4.5**	**21.49S**	**175.47W**	**0**	**4.0,3.9b**			
									¶621224634
IDC	Error ellipse: s-maj=148.4km s-min=18.1km az=131.0.								
ISC	**X**	**08 15 53 40.0–.44**	**19.45S–.07**	**173.51W–.09**	**25**	**4.6b,3.7s**	**120**	**6-150**	
IDC	X	08 15 53 36.6–.54	19.51S	173.47W	0	4.3L,4.3b			**¶621140967**
NEIC	X	08 15 53 38.4–1.3	19.4S–.10	173.5W–.10	10–1	4.7b,4.3b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	**X**	**09 03 04 32.0–7.0**	**17.27S**	**173.02W**	**0**	**3.8b,3.8**			
									¶621235301
IDC	Error ellipse: s-maj=333.8km s-min=38.0km az=136.0.								
ISC	**X**	**09 18 28 06.7–.61**	**21.86S–.09**	**173.57W–.07**	**10**	**4.4b**	**30**	**8-150**	
NEIC	X	09 18 28 06.5–1.7	22.0S–.10	173.6W–.10	10–1	4.6b			**¶621235342**
IDC	X	09 18 28 08.7–.97	22.02S	174.36W	0	4.1,4.0b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=22.2km s-min=18.4km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=33.6km s-min=17.9km az=160.0.								
IDC	**X**	**10 12 31 16.0–2.8**	**20.03S**	**175.94W**	**0**	**3.9b,3.9**			
									¶621235384
IDC	Error ellipse: s-maj=222.2km s-min=23.1km az=158.0.								
IDC	**X**	**10 06 13 46.4–2.4**	**16.17S**	**175.41W**	**383–64**	**3.6,2.7b**			
									¶621235369
IDC	Error ellipse: s-maj=330.3km s-min=27.3km az=142.0.								
ISC	**X**	**10 05 04 26.3–.44**	**17.48S–.08**	**175.24W–.07**	**300**	**4.2b**	**95**	**4-148**	
IDC	X	10 05 04 22.1–2.1	17.74S	175.47W	239–20	4.4,3.7b			**¶621145535**
NEIC	X	10 05 04 25.1–1.1	17.4S–.10	175.19W–.05	291–10	4.3b,3.7b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**11 16 49 15.5–.43**	**17.13S–.09**	**174.75W–.09**	**200**	**4.4b**	**61**	**4-150**	
NEIC	X	11 16 49 15.9–.51	17.14S–.09	174.7W–.10	197–7	4.5b			**¶621145656**
IDC	X	11 16 49 15.4–1.6	17.10S	174.79W	191–16	4.2,3.7b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=20.6km s-min=3.9km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=20.1km s-min=13.3km az=127.0.								
IDC	**X**	**12 01 21 51.2–5.9**	**16.49S**	**173.51W**	**0**	**3.9L,3.9b**			
									¶621236917
IDC	Error ellipse: s-maj=238.1km s-min=17.2km az=135.0.								
ISC	**X**	**16 08 30 38.6–.98**	**15.4S–.30**	**174.8W–.20**	**262**	**3.4b**	**7**	**3-83**	
IDC	X	16 08 30 37.4–1.4	15.39S	174.91W	247–17	3.8,3.3b			**¶621242113**
ISC	Event type se.								
IDC	Error ellipse: s-maj=42.2km s-min=18.4km az=145.0.								
ISC	**X**	**14 16 59 58.7–.99**	**20.0S–.20**	**175.6W–.20**	**35**	**3.6b,3.5s**	**7**	**7-85**	
IDC	X	14 16 59 53.5–1.0	20.39S	175.44W	0	3.7,3.6L			**¶621240648**
ISC	Event type se.								
IDC	Error ellipse: s-maj=46.5km s-min=21.1km az=138.0.								
ISC	**X**	**15 21 12 44.0–.48**	**20.27S–.09**	**173.70W–.07**	**10**	**4.3b,3.7s**	**50**	**7-150**	
IDC	X	15 21 12 42.7–.56	20.39S	173.72W	0	4.2,4.1b			**¶621242085**
NEIC	X	15 21 12 44.2–2.0	20.27S–.09	173.68W–.07	10–1	4.5b,4.1b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**13 03 31 20.0–.41**	**16.91S–.07**	**174.19W–.07**	**150**	**4.4b**	**69**	**4-175**	
IDC	X	13 03 31 19.7–1.6	16.80S	174.30W	148–14	4.6,4.1b			**¶621146556**
NEIC	X	13 03 31 20.9–1.2	16.88S–.10	174.16W–.05	156–6	4.5b,4.1b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**14 03 51 45.6–.77**	**18.0S–.10**	**175.6W–.10**	**250**	**4.0b**	**24**	**5-86**	
IDC	X	14 03 51 46.7–7.4	18.18S	175.56W	273–51	4.0,3.4b			**¶621240617**
NEIC	X	14 03 51 47.7–.51	17.9S–.10	175.59W–.09	267–10	4.4b,3.4b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**15 23 14 25.6–.46**	**16.19S–.07**	**173.67W–.06**	**79**	**4.3b**	**53**	**3-147**	
IDC	X	15 23 14 24.6–1.8	16.08S	173.86W	76–17	4.2,3.8b			**¶621242092**
NEIC	X	15 23 14 29.2–1.3	16.08S–.06	173.53W–.09	107–8	4.3b,3.8b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	**X**	**19 07 33 11.4–2.8**	**16.00S**	**174.39W**	**0**	**4.1L,3.8**			
									¶621244068
IDC	Error ellipse: s-maj=214.1km s-min=19.0km az=148.0.								
ISC	**X**	**17 04 43 16.1–.86**	**16.5S–.20**	**174.2W–.20**	**111**	**3.7b**	**9**	**3-84**	
IDC	X	17 04 43 16.6–2.9	16.61S	174.15W	113–29	4.0,3.6b			**¶621242868**
ISC	Event type se.								
IDC	Error ellipse: s-maj=35.8km s-min=19.0km az=137.0.								
ISC	**X**	**16 23 13 26.8–.77**	**18.0S–.10**	**174.6W–.10**	**132**	**4.3b**	**54**	**5-157**	
IDC	X	16 23 13 26.1–2.4	18.01S	174.62W	127–20	4.2,3.8b			**¶621242153**
NEIC	X	16 23 13 27.4–1.5	18.1S–.10	174.6W–.20	131–8	4.4b,3.8b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**19 00 16 24.0–.51**	**15.8S–.10**	**174.87W–.08**	**278**	**3.9b**	**40**	**3-146**	
NEIC	X	19 00 16 22.9–.72	15.8S–.20	175.0W–.10	258–9	4.0b			**¶621211181**
IDC	X	19 00 16 22.6–1.1	15.66S	175.03W	260–12	4.1,3.5b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=30.7km s-min=12.9km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=30.3km s-min=12.2km az=149.0.								
ISC	**X**	**22 21 59 46.7–.31**	**16.98S–.06**	**173.90W–.05**	**80–2**	**5.0b**	**516**	**4-156**	
IDC	X	22 21 59 46.8–2.8	16.99S	173.97W	75–24	4.8,4.4b			**¶621237637**
NEIC	X	22 21 59 46.4–1.8	17.04S–.06	173.97W–.09	75–6	5.0b,4.4b			
BJI	X	22 21 59 51.6	16.95S	173.92W	131	5.2b,4.7b			
NOU	X	22 21 59 51.7	16.61S	173.54W	174	5.1b,4.7b			
GFZ	X	22 21 59 52.3–.32	17S–4.0	174W–4.0	132–2	5.9b,5.5			
GCMT	X	22 21 59 53.3–.20	17.13S–.02	173.52W–.01	131–2	5.1W,5.5			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NOU	Tonga Islands.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110222159A. Moment Tensor Solution. s60,c80; s117,c169; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.31±.13 $M_{\theta\theta}$-0.45±.15; $M_{\phi\phi}$1.76±.14; $M_{r\theta}$-0.49±.10; $M_{\theta\phi}$-1.99±.17; $M_{\phi r}$4.24±.09; Best double couple: NP1:ϕ_s291.00000°,δ23.00000°,λ-153.00000°. NP2:ϕ_s175.00000°,δ80.00000°,λ-69.00000°. Principal axes: T 5.3680,Plg32.0000°,Azm248.0000°; N -0.9330,Plg20.0000°,Azm352.0000°; P -4.4370,Plg51.0000°,Azm109.0000° $M_0$4.90300×10^{16}								
ISC	**X**	**19 10 28 44.7–.59**	**21.26S–.05**	**175.65W–.04**	**11–3**	**5.2s,5.0b**	**457**	**7-160**	
BJI	X	19 10 28 43.7	21.28S	175.86W	9	5.9b,5.2s			**¶621213179**
GFZ	X	19 10 28 45.0–.15	21S–3.0	176W–3.0	10	5.9b,5.5			
NEIC	X	19 10 28 45.1–1.0	21.16S–.09	175.66W–.08	10–1	5.5,5.3			
NEIC	X	19 10 28 45.9	21.23S	175.79W	10	5.5,5.3			
NEIC	X	19 10 28 45.1	21.16S	175.66W	10	5.5,5.3			
GFZ	X	19 10 28 46.0	21.24S	175.79W	19	5.5W,5.3			
NOU	X	19 10 28 46.2	20.58S	175.34W	45	4.7b,5.3			
MOS	X	19 10 28 46.5–1.7	21.11S	175.71W	25	5.1s,5.1b			
GCMT	X	19 10 28 48.6–.10	21.17S	175.67W	12	5.5W,5.1b			
NEIC	X	19 10 28 48.7	21.06S	175.66W	22	5.6,5.1b			
IDC	X	19 10 28 49.0–2.9	21.16S	175.82W	37–23	5.0s,4.6			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=16.2km s-min=12.6km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.49 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-1.23 $M_{r\theta}$0.02 $M_{\theta\phi}$0.62 $M_{\phi r}$-1.64 NP1:ϕ_s318.74000°,δ24.41000°,λ59.24000°. NP2:ϕ_s171.91000°,δ69.20000°,λ103.07000°. Principal axes: T 2.2831,Plg64.0000°,Azm103.0000°; N -0.1140,Plg12.0000°,Azm347.0000°; P -2.1692,Plg23.0000°,Azm252.0000° $M_0$2.23000×10^{17}								
NEIC	Event type se.								
NEIC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.74 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$-2.26 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.14 $M_{\phi r}$-0.02 NP1: ϕ_s185.76482°,δ45.29245°,λ91.80612°. NP2:ϕ_s3.19831°,δ44.73630°,λ88.17627°. Principal axes: T 2.7415,Plg88.6867°,Azm172.2629°; N -0.4731,Plg1.2835°,Azm4.4940°; P -2.2684,Plg0.2781°,Azm274.4878° $M_0$2.53827×10^{17}								
NOU	Tonga Islands.								
MOS	Error ellipse: s-maj=9.9km s-min=9.5km az=85.6.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110191028A. Moment Tensor Solution. s134,c263; s160,c299;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.52±.02 $M_{\theta\theta}$-1.18±.02; $M_{\phi\phi}$-1.35±.02; $M_{r\theta}$-0.10±.04; $M_{\theta\phi}$0.40±.01; $M_{\phi r}$-0.53±.04; Best double couple: NP1: ϕ_s316.00000°,δ40.00000°,λ80.00000°. NP2:ϕ_s149.00000°,δ50.00000°,λ99.00000°. Principal axes: T 2.5970,Plg82.0000°,Azm107.0000°; N -0.9050,Plg7.0000°,Azm324.0000°; P -1.7020,Plg5.0000°,Azm233.0000° $M_0$2.15000×10^{17}								
NEIC	Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.96 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-1.61 $M_{r\theta}$0.43 $M_{\theta\phi}$0.28 $M_{\phi r}$-2.30 NP1:ϕ_s333.46000°,δ22.98000°								

,λ80.13000°. NP2:ϕ$_s$164.17000°,δ67.38000°,λ94.16000°. Principal axes:
T 3.9306,Plg67.0000°,Azm82.0000°; N -1.2302,Plg4.0000°,Azm343.0000°
; P -2.7004,Plg22.0000°,Azm251.0000° M$_0$3.48000×10^{17}
IDC Error ellipse: s-maj=17.5km s-min=13.6km az=130.0.
IDC X 20 08 29 11.3–49 18.89S 175.70W 0 3.8b,3.8
¶621246592
IDC Error ellipse: s-maj=926.5km s-min=184.2km az=81.0.
ISC X 21 21 12 48.4–.59 17.5S–.10 174.9W–.10 350 3.9b 61 5-156
NEIC X 21 21 12 44.7–1.2 17.3S–.10 174.8W–.10 308–8 4.1b **¶621261427**
IDC X 21 21 12 47.2–1.4 17.62S 174.83W 333–13 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=5.8km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.8km s-min=13.9km az=137.0.
IDC X 24 08 15 20.3–3.3 15.96S 174.92W 284–14 4.0,3.3b
¶621366379
IDC Error ellipse: s-maj=240.1km s-min=15.2km az=152.0.
ISC X 22 19 49 57.0–1.0 18.1S–.20 175.0W–.10 228 3.6b 8 5-72
IDC X 22 19 50 00.9–2.3 18.13S 175.22W 260–31 4.0,3.3b **¶621309344**
ISC Event type se.
IDC Error ellipse: s-maj=46.1km s-min=21.4km az=3.0.
IDC X 27 10 59 45.9–5.1 16.76S 175.92W 0 4.1b,4.1
¶621385459
IDC Error ellipse: s-maj=169.0km s-min=101.8km az=156.0.
ISC X 25 04 50 42.1–.58 17.8S–.10 173.1W–.10 26 4.4b,3.7s 34 4-149
IDC X 25 04 50 38.3–.76 17.90S 173.23W 0 4.2b,4.2 **¶621366425**
NEIC X 25 04 50 39.2–2.7 17.7S–.10 173.0W–.10 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 27 12 18 08.5–62 17.29S 173.38W 0 4.2b,4.2
¶621385462
IDC Error ellipse: s-maj=1183.0km s-min=199.3km az=81.0.
IDC X 28 09 30 13.2–2.4 15.98S 173.87W 172–20 3.7,3.2b
¶621391395
IDC Error ellipse: s-maj=86.8km s-min=20.4km az=142.0.
ISC X 29 18 16 21.7–2.2 15.0S–1.0 173.4W–.50 10 3.5b 6 2-146
IDC X 29 18 16 19.3–1.8 15.78S 173.13W 0 4.4L,3.6 **¶621391455**
ISC Event type se.
IDC Error ellipse: s-maj=100.3km s-min=20.8km az=144.0.
IDC XI 01 11 18 11.9–2.8 16.71S 175.21W 170–34 3.6,3.1b
¶621401263
IDC Error ellipse: s-maj=45.7km s-min=27.1km az=149.0.
ISC X 30 09 43 53.4–.83 17.4S–.10 173.6W–.20 39 4.1b 20 4-73
IDC X 30 09 43 50.2–1.1 17.74S 173.59W 0 4.0b,4.0 **¶621395167**
NEIC X 30 09 43 53.2–.69 17.5S–.10 173.5W–.20 35–2 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 30 12 48 12.8–.71 20.8S–.10 175.1W–.10 66 3.6b 13 7-100
IDC X 30 12 48 04.9–.91 20.81S 175.23W 0 3.8L,3.8b **¶621395177**
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=23.4km az=144.0.
ISC XI 01 15 49 55.6–.31 17.66S–.05 174.53W–.05 200 4.6b 300 5-157
IDC XI 01 15 49 49.7–1.6 17.77S 174.63W 139–14 4.7,4.3b **¶621246752**
NEIC XI 01 15 49 54.5–1.7 17.65S–.09 174.54W–.05 176–4 4.6b,4.3b
GFZ XI 01 15 49 55.5–.15 18S–3.0 175W–3.0 195 6.1b,5.8
GCMT XI 01 15 49 58.1–.30 17.82S–.03 174.33W–.02 209–3 5.0W,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111011549A. Moment Tensor Solution. s36,c41; s93,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M$_{rr}$-0.50±.16 M$_{\theta\theta}$3.33±.16; M$_{\phi\phi}$-2.84±.14; M$_{r\theta}$2.49±.14; M$_{\theta\phi}$-0.36±.17; M$_{\phi r}$2.50±.13; Best double couple: NP1:ϕ$_s$135.00000°,δ41.00000°,λ-6.00000°. NP2:ϕ$_s$230.00000°,δ86.00000°,λ-131.00000°. Principal axes:
T 4.6500,Plg29.0000°,Azm352.0000°; N 0.1300,Plg41.0000°,Azm234.0000°
; P -4.7870,Plg36.0000°,Azm105.0000° M$_0$4.71900×10^{16}
ISC XI 02 07 24 01.0–.81 15.1S–.10 173.3W–.10 30 3.8b 12 2-146
IDC XI 02 07 23 57.0–.79 14.90S 173.80W 0 4.0,3.8L **¶621401332**
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=18.0km az=157.0.
ISC XI 02 14 49 51.9–.75 15.9S–.20 173.7W–.20 100 4.2b 21 3-86
IDC XI 02 14 49 41.3–10.0 15.90S 173.96W 0 3.9b,3.9 **¶621401345**
NEIC XI 02 14 49 49.9–.75 16.0S–.10 173.7W–.20 71–8 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 02 16 12 11.9–.44 16.55S–.09 173.6W–.10 10 4.6b,3.3s 122 3-149
IDC XI 02 16 12 10.8–.51 16.65S 173.68W 0 4.3b,4.3 **¶621254080**
NEIC XI 02 16 12 12.5–1.4 16.6S–.10 173.6W–.10 10–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 04 09 27 50.7–.60 18.52S–.07 173.72W–.09 35 4.1b 51 5-86
IDC XI 04 09 27 46.7–.97 18.59S 174.23W 0 4.0b,4.0 **¶621412287**
NEIC XI 04 09 27 52.2–2.4 18.44S–.08 173.76W–.06 44–10 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 03 01 33 39.1–.69 15.3S–.20 173.2W–.20 10 4.2b,3.8s 20 2-146
NEIC XI 03 01 33 39.5–1.5 15.42S–.08 173.11W–.09 10–1 4.2b,3.8s **¶621412209**
IDC XI 03 01 33 39.0–.97 15.42S 173.57W 0 4.1,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=14.1km az=289.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.7km s-min=21.4km az=139.0.
ISC XI 03 01 56 05.5–.81 17.6S–.10 174.8W–.10 256 4.0b 28 5-151
IDC XI 03 01 56 06.2–3.5 17.61S 174.89W 266–27 4.4,3.7b **¶621412210**
NEIC XI 03 01 56 06.6–1.2 17.6S–.10 174.8W–.10 262–9 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 06 09 57 23.3–.50 16.16S–.10 173.7W–.10 79 4.5b 62 3-147
IDC XI 06 09 57 20.4–3.0 16.44S 173.62W 43–29 4.5L,4.1 **¶621370932**
NEIC XI 06 09 57 23.3–.60 16.2S–.20 173.6W–.10 73–9 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 06 08 55 13.7–.54 17.1S–.10 174.42W–.09 200 4.3b 71 4-156
IDC XI 06 08 55 13.2–1.6 17.01S 174.58W 199–14 4.3,3.7b **¶621370938**
NEIC XI 06 08 55 15.3–1.7 17.00S–.07 174.37W–.10 219–8 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 05 08 32 40.4–4.2 15.26S 173.41W 73–58 3.8,3.6L
¶621413960
IDC Error ellipse: s-maj=234.0km s-min=36.0km az=140.0.
ISC XI 05 11 58 24.4–.98 18.9S–.20 175.0W–.30 147 3.9b 8 6-84
IDC XI 05 11 58 27.2–2.7 18.77S 174.88W 182–31 4.2,3.7b **¶621413974**
ISC Event type se.
IDC Error ellipse: s-maj=35.6km s-min=19.2km az=167.0.
ISC XI 07 11 38 23.8–.64 17.0S–.10 173.8W–.10 35 4.0b 35 4-93
IDC XI 07 11 38 19.1–.80 17.42S 173.73W 0 3.8,3.7L **¶621416036**
NEIC XI 07 11 38 23.9–1.1 17.07S–.09 173.7W–.20 35–2 4.2b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 06 13 03 06.8–.50 21.22S–.05 174.20W–.06 14–2 5.2b,4.6s 672 8-171
IDC XI 06 13 03 04.8–.39 21.27S 174.28W 0 4.8b,4.8 **¶621370940**
MOS XI 06 13 03 05.5–1.5 21.30S 174.34W 10 5.4b,4.8
NEIC XI 06 13 03 05.7–2.3 21.25S–.07 174.0W–.10 10–1 5.3b,4.8
GFZ XI 06 13 03 06.7–.15 21S–3.0 174W–3.0 10 5.9b,5.7
NOU XI 06 13 03 07.1 21.31S 173.77W 47 5.0b,5.7
BGR XI 06 13 03 10.1 21.62S 175.57W 33 4.9s,5.7
GCMT XI 06 13 03 10.1–.20 21.44S–.02 173.71W–.01 14–0 5.1W,5.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Tonga Islands.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111061303A. Moment Tensor Solution. s69,c89; s131,c203; Duration: 0 Moment tensor: Scale 10^{16}Nm; M$_{rr}$4.12±.14 M$_{\theta\theta}$-0.79±.09; M$_{\phi\phi}$-3.32±.10; M$_{r\theta}$2.09±.24; M$_{\theta\phi}$-1.69±.06; M$_{\phi r}$1.35±.19; Best double couple: NP1:ϕ$_s$193.00000°,δ33.00000°,λ66.00000°. NP2:ϕ$_s$41.00000°,δ60.00000°,λ105.00000°. Principal axes:
T 4.9500,Plg71.0000°,Azm344.0000°; N -0.2360,Plg13.0000°,Azm214.0000°
; P -4.7080,Plg14.0000°,Azm120.0000° M$_0$4.82900×10^{16}
ISC XI 06 15 03 38.2–1.0 18.5S–.20 175.7W–.20 238 3.7b 9 6-72
IDC XI 06 15 03 40.7–2.2 18.52S 175.57W 271–23 4.2,3.5b **¶621415988**
ISC Event type se.
IDC Error ellipse: s-maj=35.6km s-min=22.2km az=156.0.
ISC XI 07 03 39 33.8–.53 19.29S–.05 173.45W–.05 14–3 5.3b,4.8s 895 6-158
IDC XI 07 03 39 32.2–.38 19.35S 173.51W 0 5.0,4.9b **¶621372244**
BJI XI 07 03 39 32.3 18.98S 173.24W 5 5.9b,5.3b
GFZ XI 07 03 39 33.9 19.30S 173.50W 31 5.5W,5.3b
NEIC XI 07 03 39 34.0–2.4 19.28S–.08 173.5W–.10 10–1 5.4b,5.3b
NEIC XI 07 03 39 33.9 19.32S 173.48W 10 5.4b,5.3b
NEIC XI 07 03 39 34.5 19.32S 172.85W 12 5.4,5.3b
MOS XI 07 03 39 36.6–2.4 19.29S 174.48W 10 5.4b,5.3b
GFZ XI 07 03 39 36.4–.30 19S–3.0 174W–3.0 34–2 5.9b,5.5
BGR XI 07 03 39 37.7 19.36S 172.97W 33 5.1s,5.5
GCMT XI 07 03 39 37.3–.10 19.39S–.01 173.07W–.01 12 5.3W,5.5
NOU XI 07 03 40 11.3 20.36S 174.91W 279 4.8b,5.5
ISC Event type ke.
IDC Error ellipse: s-maj=13.4km s-min=12.0km az=133.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M$_{rr}$-1.25 M$_{\theta\theta}$0.05 M$_{\phi\phi}$1.20 M$_{r\theta}$0.87 M$_{\theta\phi}$0.71 M$_{\phi r}$0.88 NP1:
ϕ$_s$219.40620°,δ66.46446°,λ-76.61688°. NP2:ϕ$_s$8.61879°,δ26.88503°,λ-117.98720°.
Principal axes: T 1.9741,Plg20.3845°,Azm299.3507°; N -0.1931,Plg12.2517°,Azm33.9790°
; P -1.7810,Plg65.9289°,Azm153.0641° M$_0$1.88499×10^{17}
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=12.2km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm;
M$_{rr}$-1.06 M$_{\theta\theta}$0.55 M$_{\phi\phi}$0.50 M$_{r\theta}$-0.61 M$_{\theta\phi}$0.52 M$_{\phi r}$-0.84 NP1:ϕ$_s$233.48000°,δ23.25000°
,λ-76.67000°. NP2:ϕ$_s$39.02000°,δ67.41000°,λ-95.66000°. Principal axes:
T 1.4646,Plg22.0000°,Azm133.0000°; N 0.0265,Plg5.0000°,Azm41.0000°
; P -1.4911,Plg67.0000°,Azm299.0000° M$_0$1.48000×10^{17}
MOS Error ellipse: s-maj=11.4km s-min=10.3km az=126.9.
GFZ Error ellipse: s-maj=7.3km s-min=5.5km az=151.3. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111070339A. Moment Tensor Solution. s110,c185; s157,c284;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M$_{rr}$-1.11±.01 M$_{\theta\theta}$0.46±.01; M$_{\phi\phi}$0.65±.01; M$_{r\theta}$-0.46±.03; M$_{\theta\phi}$0.68±.01; M$_{\phi r}$-0.33±.03; Best double couple: NP1:
ϕ$_s$214.00000°,δ33.00000°,λ-102.00000°. NP2:ϕ$_s$47.00000°,δ58.00000°,λ-83.00000°.
Principal axes: T 1.3630,Plg13.0000°,Azm132.0000°; N -0.1200,Plg6.0000°,Azm223.0000°
; P -1.2460,Plg76.0000°,Azm340.0000° M$_0$1.30400×10^{17}
NOU Tonga Islands.
IDC XI 08 04 33 31.6–9.0 16.06S 175.68W 0 3.9b,3.9
¶621423073
IDC Error ellipse: s-maj=379.4km s-min=64.6km az=140.0.
IDC XI 08 15 52 28.0–1.3 15.07S 175.90W 0 3.7b,3.7
¶621423106
IDC Error ellipse: s-maj=288.5km s-min=17.4km az=164.0.
IDC XI 08 00 17 26.3–5.5 17.62S 174.83W 0 3.9b,3.9
¶621423065
IDC Error ellipse: s-maj=186.5km s-min=108.9km az=157.0.
ISC XI 08 17 55 36.8–.68 18.1S–.10 174.3W–.10 50 4.1b 28 5-149
NEIC XI 08 17 55 37.8–1.5 18.0S–.10 174.3W–.20 67–8 4.2b **¶621423115**
IDC XI 08 17 55 38.4–2.7 17.92S 174.47W 73–27 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=14.1km az=117.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.6km s-min=16.8km az=125.0.
IDC XI 12 20 51 38.8–9.2 17.97S 174.27W 181–38 3.9,3.3b
¶621460222
IDC Error ellipse: s-maj=296.3km s-min=26.6km az=141.0.
IDC XI 09 00 28 44.7–48 15.87S 174.78W 0 4.0b,4.0
¶621423126
IDC Error ellipse: s-maj=909.2km s-min=174.7km az=78.0.
ISC XI 09 11 39 59.2–.77 15.4S–.20 173.1W–.20 29 3.7b 13 2-146
IDC XI 09 11 39 55.0–.76 15.50S 173.07W 0 3.8b,3.8 **¶621423150**
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=19.3km az=134.0.
ISC XI 10 16 02 02.2–.56 19.88S–.07 173.56W–.10 10 4.8b 100 6-151
GFZ XI 10 16 01 57.3–.40 20S–9.0 173W–5.0 10 6.6,6.5 **¶621391513**
IDC XI 10 16 02 01.6–.75 20.16S 173.57W 0 4.3b,4.3
NEIC XI 10 16 02 02.9–1.9 19.8S–.10 173.5W–.10 10–1 4.8b,4.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 10 07 17 26.6–8.4 17.75S 174.09W 0 3.8b,3.8
¶621440051
IDC Error ellipse: s-maj=368.1km s-min=38.7km az=141.0.
IDC XI 13 06 39 27.6–1.3 15.88S 175.95W 0 3.7b,3.7
¶621468587
IDC Error ellipse: s-maj=64.3km s-min=23.0km az=158.0.
ISC XI 13 10 26 39.8–.77 15.1S–.20 176.0W–.10 10 3.7b 12 4-144
IDC XI 13 10 26 38.9–.81 15.00S 176.30W 0 3.7b,3.7 **¶621468593**
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=16.7km az=157.0.
ISC XI 13 16 06 26.2–.34 15.98S–.06 173.04W–.07 26 4.7b,3.8s 202 2-155
IDC XI 13 16 06 23.5–.50 16.03S 173.15W 0 4.4b,4.4 **¶621402818**
GFZ XI 13 16 06 24.3–.38 16S–6.0 173W–6.0 10 5.1,4.9L
NEIC XI 13 16 06 24.8–2.0 15.93S–.09 173.1W–.10 10–1 4.8b,4.9L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 12 27 07.7–.53 15.4S–.20 175.85W–.09 26 4.2b,3.4s 36 2-146
IDC XI 13 12 27 04.6–1.1 15.36S 176.09W 0 3.8b,3.8 **¶621468599**
NEIC XI 13 12 27 05.6–1.4 15.36S–.08 175.81W–.08 10–1 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 08 15 52.1–.74 16.6S–.20 175.4W–.20 35 3.7b,3.7s 12 4-146

IDC XI 13 08 15 47.3–.74 16.78S 175.54W 0 3.8b,3.8 ¶621468589
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=13.9km az=141.0.
ISC XI 14 19 13 10.5–.29 17.58S–.06 174.97W–.05 256 4.8b 463 4-175
NEIC XI 14 19 13 07.5–1.1 17.71S–.10 174.85W–.09 227–6 4.6b ¶621403083
NOU XI 14 19 13 08.7 17.65S 174.73W 267 5.0b
IDC XI 14 19 13 08.2–1.7 17.65S 175.11W 224–15 4.9,4.3b
GFZ XI 14 19 13 11.3–.48 18S–7.0 175W–4.0 267–6 5.0b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 14 07 23 53.7–.94 16.1S–.30 175.3W–.20 10 3.6b,3.5s 9 4-145
IDC XI 14 07 23 52.8–.99 16.10S 175.53W 0 3.6,3.6s ¶621468655
ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=16.4km az=150.0.
ISC XI 13 14 08 46.7–.52 15.09S–.04 176.00W–.03 18–2 5.3s,5.1b 515 2-177
NEIC XI 13 14 08 44.5 14.86S 176.05W 10 5.3s,5.1b ¶621402812
NEIC XI 13 14 08 44.5–2.4 14.77S–.08 176.10W–.05 10–1 5.5,5.5
IDC XI 13 14 08 45.7–.42 15.19S 176.16W 0 5.1s,4.7b
BJI XI 13 14 08 45.5 15.10S 176.20W 10 5.5s,5.4b
MOS XI 13 14 08 45.7–1.9 15.05S 176.38W 10 5.5s,5.3b
NOU XI 13 14 08 47.3 15.45S 175.77W 28 5.1b,5.3b
GFZ XI 13 14 08 51.0–.41 15S–6.0 176W–4.0 33–3 5.7,5.6b
GCMT XI 13 14 08 52.2–.10 15.12S–.01 176.10W–.01 12 5.6W,5.6b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16 $M_{\theta\theta}$2.24 $M_{\phi\phi}$-2.08 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.47 $M_{\phi r}$-0.21 NP1:ϕ_s309.74000°,δ77.38000°,λ6.74000°. NP2:ϕ_s218.26000°,δ83.43000°,λ167.29000°. Principal axes: T 2.4410,Plg14.0000°,Azm173.0000°; N -0.3047,Plg76.0000°,Azm11.0000°; P -2.1363,Plg4.0000°,Azm265.0000° $M_0$2.30000×10^{17}
NOU Tonga Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111131408A. Moment Tensor Solution. s127,c218; s165,c329;Duration: 1$\mathfrak{s}$5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.53±.03 $M_{\theta\theta}$3.23±.03; $M_{\phi\phi}$-2.70±.03; $M_{r\theta}$0.01±.08; $M_{\theta\phi}$0.91±.03; $M_{\phi r}$-0.41±.08; Best double couple: NP1: ϕ_s306.00000°,δ83.00000°,λ-6.00000°. NP2:ϕ_s37.00000°,δ84.00000°,λ-173.00000°. Principal axes: T 3.3660,Plg1.0000°,Azm171.0000°; N -0.4630,Plg80.0000°,Azm77.0000°; P -2.9050,Plg10.0000°,Azm262.0000° $M_0$3.13500×10^{17}
ISC XI 14 06 02 04.3–.54 15.5S–.20 175.67W–.10 10 4.0b,3.9s 33 4-146
IDC XI 14 06 02 03.6–.73 15.32S 175.98W 0 3.8s,3.7b ¶621468649
NEIC XI 14 06 02 04.6–1.0 15.5S–.20 175.59W–.09 10–1 4.3b,3.7b
GCMT XI 14 06 02 08.9–.40 15.14S–.02 175.97W–.02 12 4.8W,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111140602A. Moment Tensor Solution. s16,c16; s88,c114; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.69±.06 $M_{\theta\theta}$1.87±.07; $M_{\phi\phi}$-1.18±.05; $M_{r\theta}$0.24±.20; $M_{\theta\phi}$0.90±.05; $M_{\phi r}$-0.25±.16; Best double couple: NP1:ϕ_s31.00000°,δ74.00000°,λ-168.00000°. NP2:ϕ_s298.00000°,δ79.00000°,λ-17.00000°. Principal axes: T 2.1270,Plg3.0000°,Azm345.0000°; N -0.5890,Plg70.0000°,Azm84.0000°; P -1.5370,Plg20.0000°,Azm254.0000° $M_0$1.83200×10^{16}
IDC XI 13 12 46 36.0–3.7 16.16S 175.85W 0 3.7b,3.7
¶621468602
IDC Error ellipse: s-maj=335.8km s-min=17.3km az=155.0.
IDC XI 14 09 40 19.6–30 20.38S 174.23W 0 4.0b,4.0
¶621468662
IDC Error ellipse: s-maj=550.6km s-min=163.9km az=76.0.
IDC XI 15 19 55 15.6–49 17.63S 174.54W 0 4.3b,4.3
¶621475646
IDC Error ellipse: s-maj=935.4km s-min=166.9km az=81.0.
ISC XI 14 18 22 44.3–.49 15.03S–.10 173.46W–.06 30 4.2b 38 2-146
IDC XI 14 18 22 40.8–.66 15.09S 173.79W 0 4.4L,4.0b ¶621468727
NEIC XI 14 18 22 41.7–2.2 15.0S–.10 173.50W–.07 10–1 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 16 19 15 45.6–19 16.40S 173.76W 600–71 3.7,2.4b
¶621475689
IDC Error ellipse: s-maj=406.0km s-min=60.8km az=124.0.
ISC XI 16 05 17 10.7–.62 21.18S–.10 174.70W–.10 27 4.3b,4.1s 22 8-150
IDC XI 16 05 17 06.8–.69 21.44S 174.56W 0 4.2L,4.2b ¶621475662
GCMT XI 16 05 17 11.8–.30 21.43S–.04 173.80W–.02 24–0 4.9W,4.2b
GCMT XI 16 05 17 12.0 21.75S 173.75W 10 4.8s,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=15.8km az=122.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111160517A. Moment Tensor Solution. s38,c43; s73,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.99±.18 $M_{\theta\theta}$-0.36±.12; $M_{\phi\phi}$-2.64±.11; $M_{r\theta}$-0.65±.24; $M_{\theta\phi}$-0.83±.10; $M_{\phi r}$1.14±.14; Best double couple: NP1:ϕ_s212.00000°,δ38.00000°,λ114.00000°. NP2:ϕ_s2.00000°,δ55.00000°,λ72.00000°. Principal axes: T 3.3840,Plg73.0000°,Azm225.0000°; N -0.3450,Plg15.0000°,Azm13.0000°; P -3.0440,Plg9.0000°,Azm105.0000° $M_0$3.21400×10^{16}
ISC XI 15 17 23 40.2–.71 17.5S–.10 173.6W–.10 100 3.9b 24 4-90
NEIC XI 15 17 23 38.6–1.5 17.4S–.10 174.0W–.20 76–9 4.4b ¶621475641
IDC XI 15 17 23 38.5–3.3 17.50S 174.03W 81–32 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.6km s-min=13.7km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.0km s-min=19.6km az=125.0.
ISC XI 16 06 40 30.9–.75 16.1S–.20 174.3W–.20 150 3.6b 11 3-83
IDC XI 16 06 40 28.9–2.7 16.21S 174.39W 128–25 3.8,3.3b ¶621475665
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=16.1km az=139.0.
ISC XI 18 13 10 51.1–.94 16.1S–.30 175.8W–.20 360 3.6b 7 4-84
IDC XI 18 13 10 49.8–1.3 16.21S 175.84W 339–16 3.9,3.2b ¶621532481
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=17.0km az=154.0.
ISC XI 20 07 57 13.7–.51 20.79S–.07 173.52W–.08 10 4.3b 35 7-151
NEIC XI 20 07 57 13.2–2.1 20.88S–.05 173.5W–.10 10–1 4.4b ¶621590343
IDC XI 20 07 57 13.9–.63 20.80S 173.96W 0 4.2,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=8.4km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.6km s-min=13.7km az=133.0.
IDC XI 18 15 50 08.1–60 18.25S 173.67W 0 3.7b,3.7
¶621532485
IDC Error ellipse: s-maj=1138.0km s-min=189.4km az=82.0.
ISC XI 21 07 43 04.6–.88 16.2S–.30 175.0W–.20 278 3.3b 9 4-84
IDC XI 21 07 43 04.7–1.3 16.10S 175.01W 284–14 3.8,3.2b ¶621608902
ISC Event type se.
IDC Error ellipse: s-maj=40.1km s-min=14.1km az=155.0.
IDC XI 20 18 59 36.2–.99 15.81S 175.13W 0 3.7b,3.7
¶621590375
IDC Error ellipse: s-maj=43.3km s-min=21.4km az=146.0.
IDC XI 21 21 27 01.8–1.2 19.77S 174.17W 0 3.7L,3.7
¶621608933
IDC Error ellipse: s-maj=50.0km s-min=17.0km az=136.0.
ISC XI 21 14 25 36.7–.76 15.0S–.20 173.4W–.10 30 4.0b 18 2-146
IDC XI 21 14 25 36.2–2.3 15.48S 173.78W 0 3.8b,3.8 ¶621608922
NEIC XI 21 14 25 38.6–1.9 15.3S–.20 173.4W–.20 35–2 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 23 06 14 57.0–.69 19.1S–.10 173.10W–.09 35 3.9b 15 5-86
IDC XI 23 06 14 52.9–.68 18.67S 173.45W 0 4.2,4.1b ¶621611943
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=13.1km az=140.0.
ISC XI 22 00 59 33.5–.57 16.5S–.10 174.80W–.09 200 4.0b 32 4-145
NEIC XI 22 00 59 34.0–1.9 16.5S–.10 174.83W–.09 204–8 4.2b ¶621611885
IDC XI 22 00 59 34.9–1.8 16.48S 174.82W 212–20 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=11.4km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.0km s-min=19.2km az=154.0.
ISC XI 23 17 21 37.3–.61 15.4S–.10 173.71W–.05 10 4.6b 25 2-146
NEIC XI 23 17 21 38.3–1.3 15.4S–.10 173.71W–.07 10–1 4.8b ¶621611967
IDC XI 23 17 21 39.2–1.5 14.94S 174.09W 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=8.6km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=89.5km s-min=15.8km az=156.0.
IDC XI 25 07 35 15.2–3.2 16.57S 174.31W 571–37 3.6,2.7b
¶621618685
IDC Error ellipse: s-maj=37.6km s-min=29.9km az=171.0.
ISC XI 24 15 15 47.9–.79 21.2S–.10 174.7W–.10 100 4.1b 18 8-150
IDC XI 24 15 15 35.3–.84 21.00S 174.60W 0 4.2b,4.1 ¶621613990
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=16.9km az=122.0.
ISC XI 25 23 45 06.5–.70 16.6S–.10 174.50W–.08 200 3.9b 26 4-84
NEIC XI 25 23 45 06.0–1.4 16.7S–.10 174.5W–.10 190–9 4.0b ¶621618731
IDC XI 25 23 45 07.4–1.9 16.61S 174.68W 199–17 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=13.6km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.1km s-min=14.6km az=146.0.
IDC XI 26 09 05 39.5–8.6 17.91S 175.67W 0 3.7b,3.7
¶621621991
IDC Error ellipse: s-maj=380.5km s-min=36.9km az=142.0.
IDC XI 26 16 32 57.4–2.5 16.71S 173.01W 0 3.7L,3.6b
¶621622014
IDC Error ellipse: s-maj=99.2km s-min=21.1km az=135.0.
ISC XI 28 14 55 45.2–.53 21.00S–.09 174.3W–.10 10 4.4b 55 7-151
IDC XI 28 14 55 44.9–.70 20.98S 174.35W 0 4.2L,4.1b ¶621625179
NEIC XI 28 14 55 45.3–1.9 20.99S–.07 174.25W–.07 10–1 4.9b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 28 08 20 26.5–5.3 19.92S 175.02W 0 3.8b,3.8
¶621625167
IDC Error ellipse: s-maj=365.9km s-min=31.2km az=153.0.
IDC XI 27 12 18 49.5–6.6 16.08S 173.24W 0 3.4b,3.4
¶621625124
IDC Error ellipse: s-maj=271.5km s-min=17.7km az=135.0.
ISC XI 26 18 33 10.6–.24 15.19S–.05 173.08W–.04 29 5.3b,4.9s 695 2-166
NOU XI 26 18 33 05.5 15.15S 173.29W 0 5.4b,4.9s ¶621475724
IDC XI 26 18 33 06.9–.38 15.09S 173.44W 0 5.0b,5.0
NEIC XI 26 18 33 07.7–2.8 15.01S–.09 173.06W–.06 10–0 5.4b,5.0
MOS XI 26 18 33 07.6–1.2 15.14S 173.32W 15 5.5b,5.0s
GFZ XI 26 18 33 08.6–.21 15S–4.0 173W–4.0 10 5.6b,5.2b
BGR XI 26 18 33 09.5 16.35S 173.10W 33 5.2s,5.2b
GCMT XI 26 18 33 16.2–.10 14.89S–.01 172.94W–.01 12 5.6W,5.2b
ISC Event type ke.
NOU Tonga Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111261833A. Moment Tensor Solution. s86,c121; s144,c229;Duration: 1$\mathfrak{s}$5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49±.01 $M_{\theta\theta}$0.51±.02; $M_{\phi\phi}$-0.02±.01; $M_{r\theta}$-2.95±.04; $M_{\theta\phi}$-0.33±.01; $M_{\phi r}$-0.35±.04; Best double couple: NP1: ϕ_s322.00000°,δ8.00000°,λ-32.00000°. NP2:ϕ_s84.00000°,δ86.00000°,λ-97.00000°. Principal axes: T 3.0030,Plg40.0000°,Azm181.0000°; N 0.0530,Plg7.0000°,Azm85.0000°; P -3.0560,Plg49.0000°,Azm346.0000° $M_0$3.02900×10^{17}
ISC XI 26 18 35 18.9–.28 15.09S–.06 173.22W–.06 10 5.5s,5.0b 317 2-166
MOS XI 26 18 35 17.6–1.5 15.14S 173.34W 10 5.4s,5.3b ¶621476301
IDC XI 26 18 35 18.5–.47 15.05S 173.46W 0 4.7b,4.7
NEIC XI 26 18 35 20.0–2.4 15.04S–.03 173.30W–.10 10–1 5.2b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 01 19 41 46.5–32 18.31S 174.34W 0 4.1b,4.1
¶621629842
IDC Error ellipse: s-maj=639.1km s-min=167.4km az=87.0.
ISC XI 30 23 30 42.1–.64 17.7S–.10 173.5W–.20 10 4.5b,3.8s 34 4-151
IDC XI 30 23 30 41.0–.78 17.93S 173.76W 0 4.1b,4.1 ¶621627103
NEIC XI 30 23 30 42.8–1.4 17.9S–.10 173.3W–.10 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 29 05 49 17.8–1.2 17.3S–.20 173.4W–.20 100 3.9b 8 4-73
IDC XI 29 05 49 20.0–3.2 17.02S 173.47W 130–37 4.0,3.5b ¶621626953
ISC Event type se.
IDC Error ellipse: s-maj=47.6km s-min=21.0km az=154.0.
ISC XI 30 04 48 48.9–.82 15.4S–.20 173.5W–.20 42 3.9b,3.8s 9 2-84
IDC XI 30 04 48 50.3–3.2 15.36S 173.49W 56–32 4.5L,3.9 ¶621627017
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=20.3km az=145.0.
ISC XII 01 06 45 28.9–.62 15.1S–.20 173.4W–.10 10 4.1b 26 2-82
IDC XII 01 06 45 28.0–.85 15.09S 173.75W 0 4.4L,3.8 ¶621629791
NEIC XII 01 06 45 29.4–1.8 15.10S–.09 173.43W–.09 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 01 12 13 35.7–.61 21.18S–.09 173.78W–.09 10 4.3b,3.4s 32 7-150
NEIC XII 01 12 13 35.9–1.6 21.17S–.06 173.9W–.20 10–1 4.3b,3.4s ¶621629813
IDC XII 01 12 13 35.4–.80 21.35S 174.19W 0 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=6.3km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.6km s-min=14.7km az=147.0.
ISC XI 29 16 49 50.5–1.1 18.9S–.20 174.8W–.10 10 4.0b 10 6-86
IDC XI 29 16 49 49.8–.89 19.07S 174.73W 0 4.1,4.0b ¶621626981
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=16.0km az=151.0.
IDC XI 29 17 21 11.7–3.8 20.44S 175.09W 0 3.9b,3.9
¶621626983
IDC Error ellipse: s-maj=248.0km s-min=71.8km az=160.0.
IDC XI 29 17 46 02.1–16 17.53S 175.99W 0 3.9b,3.9
¶621626984
IDC Error ellipse: s-maj=408.0km s-min=49.1km az=36.0.
ISC XII 01 21 08 03.2–1.8 18.3S–.30 173.7W–.20 150 3.5b 7 5-85
IDC XII 01 21 08 04.8–6.2 18.11S 173.91W 160–40 4.0,3.4b ¶621629847
ISC Event type se.
IDC Error ellipse: s-maj=126.1km s-min=16.4km az=148.0.
IDC XII 02 10 54 15.6–18 19.67S 173.15W 0 3.5b,3.5
¶621629886

IDC Error ellipse: s-maj=460.0km s-min=51.4km az=39.0.
ISC XII 04 21 52 59.0–.70 17.7S–.10 174.3W–.10 100 4.3b 32 4-148
NEIC XII 04 21 52 57.9–.85 17.8S–.10 174.4W–.20 80–9 4.5b **¶621630694**
IDC XII 04 21 52 58.4–2.7 17.80S 174.44W 85–24 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.0km s-min=3.9km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.9km s-min=17.0km az=133.0.
ISC XII 05 09 24 25.7–.37 15.13S–.08 173.18W–.06 10 5.0b,4.4s 202 2-154
IDC XII 05 09 24 24.3–.51 14.98S 173.65W 0 4.5b,4.5 **¶621612603**
GFZ XII 05 09 24 25.8–.19 15S–6.0 173W–4.0 10 5.5b,4.9
NEIC XII 05 09 24 25.9–1.6 15.08S–.09 173.11W–.07 10–1 5.1b,4.9
GCMT XII 05 09 24 42.4–.30 14.63S–.02 173.10W–.02 12 5.0W,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112050924A. Moment Tensor Solution. s15,c16; s98,c132; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.21±.07 $M_{\theta\theta}$1.94±.08; $M_{\phi\phi}$0.27±.07; $M_{r\theta}$-3.82±.24; $M_{\theta\phi}$-0.23±.06; $M_{\phi r}$0.56±.28; Best double couple: NP1:ϕ_s277.00000°,δ14.00000°,λ-91.00000°. NP2:ϕ_s98.00000°,δ76.00000°,λ-90.00000°. Principal axes: T 4.2690,Plg31.0000°,Azm188.0000°; N 0.2400,Plg0.0000°,Azm278.0000°; P -4.5100,Plg59.0000°,Azm9.0000° $M_0$4.39000×10^{16}
ISC XII 05 07 45 06.4–.46 21.62S–.04 174.08W–.05 13–2 5.3b,4.9s 592 8-171
IDC XII 05 07 45 04.7–.38 21.40S 174.21W 0 4.9b,4.9 **¶621612596**
NEIC XII 05 07 45 05.2–1.4 21.66S–.08 173.77W–.09 10–1 5.3b,5.3
GFZ XII 05 07 45 06.2–.14 21S–4.0 174W–3.0 10 5.6b,5.3W
MOS XII 05 07 45 06.3–1.6 21.61S 174.19W 18 5.4b,5.1s
GCMT XII 05 07 45 10.9–.10 21.54S–.01 173.73W–.01 12 5.2W,5.1s
NOU XII 05 07 45 14.7 21.38S 174.19W 96 5.1b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=12.3km az=135.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=13.9km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=10.6km s-min=9.4km az=43.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112050745A. Moment Tensor Solution. s93,c139; s146,c258;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.01 $M_{\theta\theta}$-0.26±.01; $M_{\phi\phi}$-0.44±.01; $M_{r\theta}$0.31±.03; $M_{\theta\phi}$-0.35±.01; $M_{\phi r}$0.45±.03; Best double couple: NP1: ϕ_s219.00000°,δ26.00000°,λ93.00000°. NP2:ϕ_s36.00000°,δ64.00000°,λ89.00000°. Principal axes: T 0.8900,Plg71.0000°,Azm303.0000°; N 0.0140,Plg1.0000°,Azm37.0000°; P -0.9030,Plg19.0000°,Azm127.0000° $M_0$0.89700×10^{17}
NOU Tonga Islands.
ISC XII 06 07 43 46.9–.66 19.8S–.10 175.8W–.10 250 3.8b 16 6-150
IDC XII 06 07 43 46.1–2.0 19.84S 175.80W 235–19 4.1,3.5b **¶621632584**
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=13.2km az=132.0.
ISC XII 07 00 13 06.4–.38 19.16S–.07 175.09W–.06 100 4.7b 127 6-150
NEIC XII 07 00 13 06.1–2.1 19.2S–.10 175.11W–.10 89–6 4.7b **¶621615808**
IDC XII 07 00 13 07.4–2.8 19.19S 175.16W 101–25 4.5,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.4km az=176.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=13.7km az=132.0.
ISC XII 07 09 50 43.0–.90 18.0S–.10 173.7W–.10 35 4.3b 24 4-148
NEIC XII 07 09 50 41.7–1.2 18.0S–.20 173.6W–.10 35–2 4.3b **¶621632655**
IDC XII 07 09 50 47.6–3.3 17.78S 173.71W 75–28 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=10.3km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.5km s-min=14.8km az=136.0.
IDC XII 07 10 00 35.2–2.8 16.61S 174.09W 298–22 3.5,2.8b
¶621632657
IDC Error ellipse: s-maj=108.5km s-min=26.3km az=140.0.
ISC XII 07 14 10 57.2–.50 15.3S–.10 174.41W–.07 200 4.1b 48 3-146
IDC XII 07 14 10 56.8–1.4 15.13S 174.63W 192–15 3.9,3.4b **¶621632673**
NEIC XII 07 14 10 58.9–.93 15.3S–.10 174.36W–.08 214–7 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 07 14 16 38.0–.67 20.1S–.10 175.03W–.10 115 4.4b 33 7-88
NEIC XII 07 14 16 37.4–.97 20.13S–.07 174.99W–.10 106–8 4.5b **¶621632676**
IDC XII 07 14 16 39.9–3.0 20.15S 175.24W 126–29 3.9,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=6.5km az=57.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.4km s-min=20.6km az=147.0.
ISC XII 07 08 20 50.0–.79 16.9S–.10 173.6W–.10 52 3.9b 12 3-148
IDC XII 07 08 20 51.9–3.5 16.55S 174.20W 75–32 4.0,3.6b **¶621632650**
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=21.3km az=127.0.
ISC XII 09 07 12 25.5–.48 21.54S–.07 174.05W–.10 25 4.3s,4.3b 68 8-152
IDC XII 09 07 12 21.9–.53 21.49S 174.23W 0 4.2s,4.1L **¶621625205**
NEIC XII 09 07 12 22.9–1.6 21.63S–.06 173.91W–.10 10–1 4.4b,4.1L
GFZ XII 09 07 12 23.7–2.2 21S–5.0 174W–5.0 21–15 4.2b,4.2
GCMT XII 09 07 12 27.6–.30 21.61S–.02 173.78W–.02 17–0 4.9W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112090712A. Moment Tensor Solution. s38,c46; s93,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.02±.16 $M_{\theta\theta}$-1.55±.11; $M_{\phi\phi}$-1.47±.10; $M_{r\theta}$0.92±.27; $M_{\theta\phi}$-1.28±.06; $M_{\phi r}$0.91±.25; Best double couple: NP1:ϕ_s226.00000°,δ33.00000°,λ90.00000°. NP2:ϕ_s46.00000°,δ57.00000°,λ90.00000°. Principal axes: T 3.2940,Plg78.0000°,Azm315.0000°; N -0.2290,Plg0.0000°,Azm46.0000°; P -3.0650,Plg12.0000°,Azm136.0000° $M_0$3.18000×10^{16}
IDC XII 09 07 34 44.0–3.0 16.32S 175.05W 198–54 3.7,3.1b
¶621636560
IDC Error ellipse: s-maj=301.8km s-min=25.5km az=142.0.
ISC XII 10 07 55 09.3–.71 15.2S–.20 173.8W–.20 30 3.8b 13 2-146
IDC XII 10 07 55 04.7–.66 15.19S 173.65W 0 4.0L,3.9b **¶621644111**
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=15.9km az=141.0.
ISC XII 13 01 06 00.3–.47 16.8S–.10 174.4W–.10 100 4.5b 114 4-150
IDC XII 13 01 05 58.6–3.3 17.00S 174.32W 85–29 4.2,3.9b **¶621650543**
NEIC XII 13 01 05 59.4–1.6 17.0S–.10 174.2W–.20 89–6 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 07 34 57.1–.45 16.27S–.09 174.90W–.08 288 4.4b 101 4-147
IDC XII 17 07 34 56.4–1.0 16.26S 174.95W 272–11 4.7,4.1b **¶621631541**
NEIC XII 17 07 34 57.8–1.0 16.3S–.10 174.9W–.10 284–9 4.6b,4.1b
GFZ XII 17 07 34 57.1–.47 16S–4.0 175W–5.0 304–5 5.1,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 15 17 48 48.1–.91 21.9S–.20 174.2W–.10 50 3.8b 9 8-146
IDC XII 15 17 48 51.3–5.7 21.85S 174.34W 77–48 3.9,3.8L **¶621654130**
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=25.9km az=142.0.
ISC XII 17 17 05 18.0–4.9 16S–1.0 174W–1.0 35 3.8b,3.7s 4 3-146
IDC XII 17 17 05 18.6–1.4 15.30S 175.15W 0 3.8L,3.8b **¶621656938**
ISC Event type se.
IDC Error ellipse: s-maj=91.8km s-min=15.5km az=159.0.
ISC XII 18 16 49 49.0–.37 20.52S–.06 175.28W–.08 100 4.7b 212 7-160
NEIC XII 18 16 49 46.1–2.1 20.52S–.09 175.24W–.06 78–6 4.7b **¶621633499**
IDC XII 18 16 49 55.6–3.2 20.60S 175.38W 152–27 4.5,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.9km az=168.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=13.5km az=121.0.
ISC XII 18 01 12 28.6–.33 21.88S–.07 174.48W–.07 10 5.0b,4.4s 263 8-162
IDC XII 18 01 12 26.8–.44 21.84S 174.48W 0 4.6b,4.6 **¶621633317**
BJI XII 18 01 12 28.0 21.47S 174.17W 6 5.6b,5.2b
NEIC XII 18 01 12 29.4–2.7 21.80S–.09 174.5W–.10 10–1 5.1b,5.2b
GFZ XII 18 01 12 30.4–.21 22S–7.0 175W–5.0 10 5.3,5.1
GCMT XII 18 01 12 33.1–.20 22.03S–.03 173.98W–.02 17–0 5.0W,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112180112A. Moment Tensor Solution. s41,c51; s102,c132; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.56±.20 $M_{\theta\theta}$-1.18±.13; $M_{\phi\phi}$-2.38±.12; $M_{r\theta}$1.24±.41; $M_{\theta\phi}$-1.28±.08; $M_{\phi r}$1.92±.31; Best double couple: NP1:ϕ_s212.00000°,δ28.00000°,λ90.00000°. NP2:ϕ_s33.00000°,δ62.00000°,λ90.00000°. Principal axes: T 4.2610,Plg73.0000°,Azm303.0000°; N -0.3660,Plg0.0000°,Azm213.0000°; P -3.8940,Plg17.0000°,Azm123.0000° $M_0$4.07800×10^{16}
IDC XII 18 17 25 09.2–6.1 16.05S 173.06W 0 3.6b,3.6
¶621657016
IDC Error ellipse: s-maj=465.1km s-min=34.1km az=150.0.
ISC XII 18 20 10 53.7–.60 21.25S–.09 173.46W–.07 10 4.6b 32 7-152
IDC XII 18 20 10 52.4–.97 21.64S 174.19W 0 4.4,4.4s **¶621657029**
NEIC XII 18 20 10 54.8–.80 21.3S–.10 173.50W–.06 10–1 4.8b,4.4s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 19 20 33 12.5–2.4 20.63S 175.61W 0 3.8b,3.7
¶621657099
IDC Error ellipse: s-maj=187.0km s-min=26.3km az=155.0.
IDC XII 18 19 08 53.0–4.5 17.39S 173.95W 0 4.1b,4.1
¶621657022
IDC Error ellipse: s-maj=349.2km s-min=33.3km az=152.0.
ISC XII 19 04 09 24.1–.52 16.57S–.09 173.2W–.10 10 4.5b,3.6s 51 3-150
IDC XII 19 04 09 23.2–.81 16.74S 173.49W 0 4.2L,4.2b **¶621657056**
NEIC XII 19 04 09 24.5–2.4 16.59S–.05 173.2W–.10 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 09 51 60.0–1.1 20.4S–.20 173.8W–.20 27 3.9b,3.2s 11 7-150
IDC XII 20 09 51 54.8–1.2 21.02S 173.66W 0 3.9,3.8b **¶621685605**
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=18.4km az=131.0.
ISC XII 20 11 11 05.7–.34 16.41S–.07 175.38W–.06 300 4.5b 172 4-156
NEIC XII 20 11 11 05.8–.97 16.3S–.10 175.44W–.09 299–7 4.5b **¶621634783**
IDC XII 20 11 11 06.3–1.3 16.40S 175.33W 304–12 4.4,3.7b
GFZ XII 20 11 11 08.2–.54 17S–7.0 175W–5.0 321–5 4.3b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC XII 20 11 55 18.3–1.4 15.44S 175.03W 292–19 3.7,3.0b
¶621685609
IDC Error ellipse: s-maj=108.7km s-min=17.7km az=151.0.
ISC XII 21 14 01 52.1–.75 15.1S–.10 174.17W–.09 35 4.2b 16 3-83
IDC XII 21 14 01 48.7–1.4 14.77S 174.71W 0 4.2L,3.7 **¶621685689**
NEIC XII 21 14 01 49.8–.74 15.1S–.20 174.2W–.10 10–1 4.5b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 21 22 15 21.7–8.1 15.19S 175.92W 0 3.9b,3.9
¶621685709
IDC Error ellipse: s-maj=360.4km s-min=36.6km az=140.0.
ISC XII 22 11 43 34.9–.57 18.0S–.10 174.1W–.10 35 4.3b 36 5-151
IDC XII 22 11 43 29.3–.86 18.55S 173.96W 0 3.9L,3.9b **¶621686766**
NEIC XII 22 11 43 31.3–.67 18.1S–.10 174.03W–.10 10–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 27 11 34 11.8–.27 21.52S–.05 174.15W–.05 10 5.6s,5.3b 700 8-159
PTWC XII 27 11 34 01 24.20S 173.80W 10 5.7,5.3b **¶621653788**
NEIC XII 27 11 34 08.3–.72 21.45S–.04 173.81W–.09 11–4 5.6,5.3b
NOU XII 27 11 34 09.3 21.46S 173.72W 16 5.2b,5.3b
IDC XII 27 11 34 10.7–.39 21.46S 174.23W 0 5.1s,4.8b
NEIC XII 27 11 34 12.7 21.44S 173.92W 10 5.1s,4.8b
NEIC XII 27 11 34 13.2 21.44S 173.27W 16 5.5,4.8b
GFZ XII 27 11 34 13.4–.14 21S–3.0 174W–3.0 10 6.0b,5.7L
GCMT XII 27 11 34 16.8–.10 21.56S–.01 173.74W–.01 12 5.5W,5.7L
MOS XII 27 11 34 17.7–3.0 20.17S 175.39W 10 5.5s,5.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.1km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
IDC Error ellipse: s-maj=14.7km s-min=11.2km az=127.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.88 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-1.08 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.86 $M_{\phi r}$0.53 NP1:ϕ_s214.69000°,δ32.37000°,λ79.67000°. NP2:ϕ_s46.87000°,δ58.22000°,λ96.49000°. Principal axes: T 2.1137,Plg76.0000°,Azm336.0000°; N -0.0915,Plg6.0000°,Azm223.0000°; P -2.0221,Plg13.0000°,Azm132.0000° $M_0$2.07000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112271134A. Moment Tensor Solution. s120,c224; s162,c313;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.60±.01 $M_{\theta\theta}$-0.55±.02; $M_{\phi\phi}$-1.05±.01; $M_{r\theta}$0.80±.04; $M_{\theta\phi}$-0.82±.01; $M_{\phi r}$1.12±.04; Best double couple: NP1: ϕ_s217.00000°,δ25.00000°,λ91.00000°. NP2:ϕ_s36.00000°,δ65.00000°,λ89.00000°. Principal axes: T 2.1020,Plg70.0000°,Azm304.0000°; N 0.0600,Plg1.0000°,Azm36.0000°; P -2.1630,Plg20.0000°,Azm126.0000° $M_0$2.13300×10^{17}
MOS Error ellipse: s-maj=12.9km s-min=10.1km az=107.5.
IDC XII 24 08 42 45.9–2.0 17.57S 173.27W 0 3.8b,3.8
¶621700077
IDC Error ellipse: s-maj=84.2km s-min=22.0km az=135.0.
ISC XII 26 03 49 15.2–.69 18.6S–.10 175.4W–.10 200 4.1b 32 6-94
NEIC XII 26 03 49 14.7–1.7 18.8S–.20 175.3W–.20 192–11 4.3b **¶621700192**
IDC XII 26 03 49 15.3–2.2 18.69S 175.53W 196–20 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=18.8km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.2km s-min=14.5km az=142.0.
ISC XII 25 12 39 12.7–.24 16.96S–.04 173.52W–.03 35–2 5.8b,5.3s 1627 3-165
BJI XII 25 12 39 07.9 16.52S 173.26W 7 6.1b,5.7b **¶621653369**
IDC XII 25 12 39 07.8–.33 16.97S 173.51W 0 5.5b,5.5
IPGP XII 25 12 39 09.0 17.02S 173.51W 67 5.9W,5.5

NOU XII 25 12 39 10.1 16.93S 173.58W 15 5.6,5.5
GFZ XII 25 12 39 11.9–.35 17S–2.0 174W–2.0 25–2 6.7,6.5L
GFZ XII 25 12 39 11.9 16.95S 173.59W 25 6.1W,6.5L
MOS XII 25 12 39 12.3–1.1 16.93S 173.64W 37 5.9b,5.0s
NEIC XII 25 12 39 13.7–1.1 17.04S–.08 173.49W–.09 43–1 5.8b,5.6
BGR XII 25 12 39 16.3 15.91S 173.48W 33 5.3s,5.6
GCMT XII 25 12 39 19.8–.10 17.03S 173.19W 75–0 5.9W,5.6
ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=11.8km az=122.0.
IPGP Moment Tensor Solution. NP1:ϕ_s161.00000°,δ3.00000°,λ79.00000°. NP2:ϕ_s352.00000° ,δ87.00000°,λ91.00000°.
NOU Tonga Islands.
GFZ Error ellipse: s-maj=4.8km s-min=3.9km az=161.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12 $M_{\theta\theta}$0.06 $M_{\phi\phi}$0.06 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.09 $M_{\phi r}$1.53 NP1: ϕ_s296.86247°,δ3.62381°,λ-150.64949°. NP2:ϕ_s177.56092°,δ88.22468°,λ-86.84034°. Principal axes: T 1.5155,Plg43.1403°,Azm264.4991°; N 0.0508,Plg3.1581°,Azm357.4629° ; P -1.5663,Plg46.6855°,Azm90.8179° $M_0$1.54154×10^{18}
MOS Error ellipse: s-maj=8.9km s-min=7.3km az=81.7.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.1km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112251239A. Moment Tensor Solution. s147,c332; s159,c481;Duration: 2ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.06 $M_{\theta\theta}$-0.49±.06; $M_{\phi\phi}$0.66±.06; $M_{r\theta}$-1.43±.04; $M_{\theta\phi}$1.00±.05; $M_{\phi r}$7.85±.04; Best double couple: NP1:ϕ_s74.00000°,δ8.00000°,λ-6.00000°. NP2:ϕ_s170.00000°,δ89.00000°,λ-98.00000°. Principal axes: T 8.1160,Plg44.0000°,Azm268.0000°; N -0.1050,Plg8.0000°,Azm170.0000° ; P -8.0110,Plg45.0000°,Azm71.0000° $M_0$8.06400×10^{17}

ISC XII 26 16 14 47.0–.58 19.90S–.08 174.05W–.10 31 4.4b 60 6-150
IDC XII 26 16 14 42.2–.97 20.24S 174.04W 0 4.2L,4.0b **¶621700229**
NEIC XII 26 16 14 48.3–2.5 19.9S–.10 174.0W–.10 35–2 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 27 12 08 42.1–1.7 15.3S–.60 173.6W–.40 10 3.7b 10 2-146
IDC XII 27 12 08 39.8–1.9 16.00S 173.46W 0 4.2s,3.8 **¶621717312**
ISC Event type se.
IDC Error ellipse: s-maj=105.1km s-min=18.2km az=145.0.

ISC XII 28 13 42 01.5–.79 17.1S–.10 175.9W–.10 35 4.3b 18 5-83
IDC XII 28 13 41 55.8–49 17.14S 175.71W 0 3.9b,3.9 **¶621717391**
NEIC XII 28 13 41 58.5–1.3 17.12S–.06 175.83W–.08 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 28 14 08 42.9–.65 18.50S–.09 173.6W–.10 31 4.5b,3.8s 42 5-149
IDC XII 28 14 08 38.5–.93 18.78S 173.74W 0 4.1b,4.0 **¶621717392**
NEIC XII 28 14 08 43.1–1.4 18.6S–.10 173.6W–.10 29–6 4.8b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 29 11 52 21.3–.69 18.1S–.10 174.7W–.10 150 4.2b 32 5-149
NEIC XII 29 11 52 22.4–1.7 18.1S–.20 174.7W–.10 165–9 4.3b **¶621724213**
IDC XII 29 11 52 23.0–2.4 17.98S 175.01W 163–23 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=4.5km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.0km s-min=15.6km az=116.0.

ISC XII 31 16 56 13.2–.27 16.06S–.05 174.91W–.05 278 4.8b 367 4-167
BGR XII 31 16 55 44.8 16.03S 174.69W 33 4.8b **¶621883806**
IDC XII 31 16 56 13.3–1.0 15.98S 174.94W 278–9 4.9,4.3b
NEIC XII 31 16 56 14.3–2.2 16.04S–.09 174.81W–.09 284–6 4.9b,4.3b
GFZ XII 31 16 56 16.1–.50 16S–6.0 175W–4.0 297–5 5.4b,4.9
GCMT XII 31 16 56 19.1–.40 16.10S–.05 174.72W–.04 313–2 5.1W,4.9
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202112311656A. Moment Tensor Solution. s62,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.80±.24 $M_{\theta\theta}$0.52±.50; $M_{\phi\phi}$3.28±.39; $M_{r\theta}$0.84±.38; $M_{\theta\phi}$0.88±.34; $M_{\phi r}$3.66±.33; Best double couple: NP1:ϕ_s18.00000°,δ22.00000°,λ-86.00000°. NP2:ϕ_s194.00000° ,δ68.00000°,λ-92.00000°. Principal axes: T 5.1140,Plg23.0000°,Azm285.0000° ; N 0.2720,Plg2.0000°,Azm195.0000°; P -5.3830,Plg67.0000°,Azm101.0000° $M_0$5.24900×10^{16}

(174) Tonga Islands region.

ISC VII 16 10 02 01.7–.26 17.80S–.05 172.92W–.05 26 5.2b,4.8s 630 4-156
IDC VII 16 10 01 57.8–.42 17.85S 173.13W 0 4.8b,4.7 **¶620831717**
MOS VII 16 10 01 58.6–1.4 17.69S 173.06W 10 5.3b,4.9s
BJI VII 16 10 01 59.1 17.49S 172.81W 11 5.6b,5.2b
NEIC VII 16 10 01 59.6–1.1 17.60S–.10 173.05W–.06 10–1 5.4,5.2b
GFZ VII 16 10 02 00.5 17.77S 173.12W 30 5.4W,5.2b
GFZ VII 16 10 02 00.2–.18 18S–5.0 173W–4.0 10 5.1b,5.0
NOU VII 16 10 02 02.1 17.99S 172.72W 35 5.1b,5.0
GCMT VII 16 10 02 05.4–.10 17.85S–.01 172.76W–.01 13–0 5.3W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.39 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-1.21 $M_{r\theta}$-0.85 $M_{\theta\phi}$-0.35 $M_{\phi r}$-0.89 NP1: ϕ_s213.71690°,δ66.34665°,λ102.53537°. NP2:ϕ_s4.72211°,δ26.59998°,λ63.64013°. Principal axes: T 1.9185,Plg66.3418°,Azm146.2028°; N -0.1953,Plg11.4673°,Azm28.6194° ; P -1.7232,Plg20.3999°,Azm294.2928° $M_0$1.82866×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Tonga Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107161002A. Moment Tensor Solution. s118,c201; s151,c296;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.02 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$-0.88±.01; $M_{r\theta}$0.39±.03; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$0.66±.03; Best double couple: NP1: ϕ_s197.00000°,δ27.00000°,λ80.00000°. NP2:ϕ_s28.00000°,δ64.00000°,λ95.00000°. Principal axes: T 1.1920,Plg71.0000°,Azm308.0000°; N 0.1280,Plg4.0000°,Azm205.0000° ; P -1.3200,Plg19.0000°,Azm114.0000° $M_0$1.25600×10^{17}

ISC VII 18 10 13 07.2–1.2 23.9S–.30 175.0W–.30 24 3.9b 7 47-151
IDC VII 18 10 13 03.2–1.1 23.80S 175.17W 0 3.7b,3.7 **¶620928810**
ISC Event type se.
IDC Error ellipse: s-maj=56.1km s-min=32.6km az=101.0.

ISC VII 19 05 49 17.1–.71 23.20S–.10 175.48W–.10 33–3 4.6b,3.6s 93 8-151
IDC VII 19 05 49 12.5–.65 23.32S 175.24W 0 4.2b,4.2 **¶620913614**
NEIC VII 19 05 49 13.1–.97 23.3S–.10 175.3W–.10 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VII 20 11 06 47.4–63 23.38S 173.22W 0 3.6b,3.6
¶620961598

IDC Error ellipse: s-maj=1192.0km s-min=190.5km az=89.0.

ISC VII 20 21 19 51.6–.46 17.29S–.08 172.11W–.09 15 4.9b,3.7s 86 3-151
IDC VII 20 21 19 49.8–.59 17.47S 172.31W 0 4.1,4.0b **¶620961612**
NEIC VII 20 21 19 51.4–1.6 17.33S–.08 172.2W–.10 10–1 5.1b,4.0b
GCMT VII 20 21 19 56.5–.50 17.18S–.03 171.91W–.03 20–1 4.9W,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107202119A. Moment Tensor Solution. s14,c16; s77,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.18 $M_{\theta\theta}$1.33±.13; $M_{\phi\phi}$0.66±.11; $M_{r\theta}$1.05±.25; $M_{\theta\phi}$1.26±.08; $M_{\phi r}$-0.92±.20; Best double couple: NP1:ϕ_s27.00000°,δ48.00000° ,λ-130.00000°. NP2:ϕ_s259.00000°,δ56.00000°,λ-54.00000°. Principal axes: T 2.3220,Plg4.0000°,Azm325.0000°; N 0.4510,Plg29.0000°,Azm57.0000° ; P -2.7750,Plg61.0000°,Azm227.0000° $M_0$2.54800×10^{16}

IDC VII 21 19 40 11.8–26 22.12S 173.26W 0 4.3b,4.3
¶620961679

IDC Error ellipse: s-maj=473.8km s-min=145.6km az=76.0.

ISC VII 24 02 55 43.9–.66 17.25S–.09 172.4W–.10 10 4.6b,3.6s 39 3-151
IDC VII 24 02 55 42.1–.68 17.49S 172.51W 0 3.9b,3.9 **¶620845591**
NEIC VII 24 02 55 44.8–1.9 17.33S–.10 172.5W–.10 10–1 4.8b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 04 01 41 33.1–.48 17.44S–.08 172.55W–.08 21 4.6b,4.0s 75 4-150
IDC VIII 04 01 41 31.3–.66 17.58S 172.75W 0 4.2,4.1b **¶620997269**
NEIC VIII 04 01 41 32.0–1.6 17.5S–.10 172.6W–.20 10–1 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VII 25 10 13 51.9–24 21.84S 169.62W 0 4.0b,4.0
¶620973759

IDC Error ellipse: s-maj=469.9km s-min=173.4km az=78.0.

IDC VIII 03 13 47 58.0–19 21.04S 172.60W 0 3.7b,3.7
¶620995881

IDC Error ellipse: s-maj=472.0km s-min=45.8km az=40.0.

ISC VIII 06 07 22 13.1–.79 23.73S–.09 175.5W–.10 150 3.9b 17 8-151
IDC VIII 06 07 22 15.4–3.2 23.61S 175.54W 177–29 4.3,3.7b **¶620976217**
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=22.1km az=133.0.

ISC VIII 08 11 49 18.1–.53 22.53S–.09 174.28W–.08 22 4.5b,3.2s 39 9-146
IDC VIII 08 11 49 16.4–1.2 22.56S 174.72W 0 4.1,4.0b **¶621002130**
NEIC VIII 08 11 49 16.4–.87 22.57S–.09 174.19W–.05 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 14 09 50 13.5–.45 22.54S–.04 174.48W–.04 14–2 5.5b,5.4s 724 7-170
GFZ VIII 14 09 50 10.1–.32 23S–6.0 174W–5.0 10 5.5,5.3b **¶620986692**
IDC VIII 14 09 50 11.7–.41 22.51S 174.67W 0 5.2s,5.0b
BJI VIII 14 09 50 12.3 22.28S 174.32W 11 6.2b,5.6b
NEIC VIII 14 09 50 13.3 22.42S 174.55W 10 6.2b,5.6b
NEIC VIII 14 09 50 13.3 22.42S 174.55W 10 6.2b,5.6b
NEIC VIII 14 09 50 13.3–.92 22.42S–.10 174.6W–.10 10–1 5.6b,5.5
MOS VIII 14 09 50 13.4–1.1 22.45S 174.69W 17 5.5b,5.4s
NOU VIII 14 09 50 15.4 22.70S 174.43W 31 5.1b,5.4s
GCMT VIII 14 09 50 17.0–.10 22.65S–.01 174.24W–.01 12 5.5W,5.4s
NEIC VIII 14 09 50 20.6 22.62S 174.22W 22 5.6,5.4s
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=14.0km s-min=11.1km az=140.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=16.1km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.80 $M_{\phi r}$-0.37 NP1:ϕ_s196.44000°,δ49.34000°,λ65.90000°. NP2:ϕ_s50.92000°,δ46.18000° ,λ115.43000°. Principal axes: T 1.7287,Plg72.0000°,Azm38.0000°; N -0.0828,Plg18.0000° ,Azm213.0000°; P -1.6459,Plg2.0000°,Azm303.0000° $M_0$1.69000×10^{17}
MOS Error ellipse: s-maj=9.3km s-min=8.5km az=114.8.
NOU Tonga Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140950A. Moment Tensor Solution. s116,c204; s153,c319;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.79±.02 $M_{\theta\theta}$-0.37±.02; $M_{\phi\phi}$-1.42±.02; $M_{r\theta}$0.82±.05; $M_{\theta\phi}$-0.77±.01; $M_{\phi r}$0.85±.04; Best double couple: NP1: ϕ_s199.00000°,δ29.00000°,λ75.00000°. NP2:ϕ_s36.00000°,δ62.00000°,λ98.00000°. Principal axes: T 2.1630,Plg72.0000°,Azm326.0000°; N -0.0060,Plg7.0000°,Azm212.0000° ; P -2.1560,Plg16.0000°,Azm120.0000° $M_0$2.15900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ8 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-1.87 $M_{r\theta}$1.01 $M_{\theta\phi}$-0.94 $M_{\phi r}$-0.17 NP1:ϕ_s193.15000°,δ43.50000° ,λ64.61000°. NP2:ϕ_s46.36000°,δ51.55000°,λ112.14000°. Principal axes: T 2.9030,Plg72.0000°,Azm18.0000°; N -0.4838,Plg17.0000°,Azm212.0000° ; P -2.4192,Plg4.0000°,Azm121.0000° $M_0$2.69000×10^{17}

ISC VIII 09 10 39 09.7–.42 23.94S–.08 175.44W–.07 10 4.6b,3.8s 60 9-152
IDC VIII 09 10 39 08.5–.62 23.95S 175.76W 0 4.4,4.3b **¶620979397**
NEIC VIII 09 10 39 10.8–1.8 23.9S–.10 175.6W–.10 10–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VIII 12 09 56 09.3–17 22.19S 175.90W 166–116 3.9,3.4b
¶621009397

IDC Error ellipse: s-maj=186.2km s-min=41.9km az=127.0.

ISC VIII 19 05 53 50.8–.71 23.4S–.10 174.8W–.10 35 4.3b 26 9-151
IDC VIII 19 05 53 45.7–1.4 23.27S 174.61W 0 4.4L,4.1b **¶621039162**
NEIC VIII 19 05 53 47.5–.87 23.4S–.20 174.7W–.10 10–2 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 15 13 47 15.5–.49 22.28S–.07 173.77W–.07 10 4.4b 40 9-151
NEIC VIII 15 13 47 16.0–2.3 22.26S–.09 173.8W–.10 10–1 4.5b **¶621023614**
IDC VIII 15 13 47 18.2–.81 22.44S 174.74W 0 4.2,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=15.5km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.9km s-min=17.3km az=150.0.

ISC VIII 19 20 45 34.8–.67 22.38S–.06 174.74W–.07 13–3 4.9b,4.0s 248 8-161
IDC VIII 19 20 45 32.9–.51 22.45S 174.80W 0 4.6b,4.5 **¶620997436**
NEIC VIII 19 20 45 33.8–2.1 22.31S–.04 174.62W–.10 10–1 5.0b,4.5
GFZ VIII 19 20 45 34.6–.20 22S–4.0 175W–4.0 10 4.9b,4.9
GCMT VIII 19 20 45 35.8–.30 22.65S–.04 174.17W–.03 22–1 4.9W,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108192045A. Moment Tensor Solution. s24,c27; s74,c95; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.81±.22 $M_{\theta\theta}$-0.82±.14; $M_{\phi\phi}$-1.98±.13; $M_{r\theta}$0.38±.26; $M_{\theta\phi}$-1.07±.07; $M_{\phi r}$1.09±.20; Best double couple: NP1:ϕ_s215.00000°,δ34.00000° ,λ97.00000°. NP2:ϕ_s27.00000°,δ56.00000°,λ85.00000°. Principal axes: T 3.0520,Plg78.0000°,Azm281.0000°; N -0.1990,Plg4.0000°,Azm29.0000° ; P -2.8440,Plg11.0000°,Azm120.0000° $M_0$2.94800×10^{16}

ISC VIII 19 05 13 15.3–.52 18.77S–.08 172.82W–.08 21 4.4b,3.4s 46 5-149
IDC VIII 19 05 13 12.7–.83 19.05S 172.89W 0 4.2b,4.2 **¶621039159**
NEIC VIII 19 05 13 13.3–1.6 18.7S–.10 172.77W–.10 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VIII 22 20 36 41.0–49 22.38S 173.31W 0 3.8b,3.8
¶621043122

IDC Error ellipse: s-maj=928.4km s-min=193.7km az=87.0.

ISC VIII 23 04 34 38.4–.45 22.68S–.09 174.35W–.08 22 4.7b,3.8s 84 9-153
BJI VIII 23 04 34 35.4 22.54S 174.14W 10 5.3b,5.1s **¶620999724**
NEIC VIII 23 04 34 36.5–2.7 22.63S–.08 174.29W–.08 10–1 4.8b,5.1s
IDC VIII 23 04 34 36.5–.75 22.53S 174.72W 0 4.5,4.4b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=16.1km s-min=8.9km az=144.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=18.3km az=170.0.
ISC IX 06 19 09 24.4–.00 22.3S–.20 174.4W–.20 35 3.7b 9 8-151
IDC IX 06 19 09 19.6–1.0 22.11S 174.59W 0 3.8b,3.7 **¶621094277**
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=30.1km az=139.0.
ISC VIII 30 14 48 21.3–.64 22.5S–.10 174.39W–.08 10 4.5b 40 9-151
NEIC VIII 30 14 48 21.5–2.5 22.6S–.10 174.3W–.10 10–1 4.6b **¶621076528**
IDC VIII 30 14 48 21.4–.81 22.46S 174.77W 0 4.2b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=15.4km az=163.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=18.0km az=169.0.
IDC IX 01 12 34 12.4–1.8 22.71S 174.16W 0 3.6b,3.6
¶621080621
IDC Error ellipse: s-maj=44.8km s-min=43.7km az=98.0.
ISC IX 06 11 18 32.5–.54 23.02S–.09 174.44W–.07 10 4.2b,3.3s 30 9-147
NEIC IX 06 11 18 32.7–1.8 23.06S–.10 174.5W–.10 10–1 4.3b,3.3s **¶621094252**
IDC IX 06 11 18 34.5–.73 23.22S 175.04W 0 4.1,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=16.0km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.2km s-min=16.6km az=150.0.
IDC VIII 25 23 25 18.9–4.6 18.34S 171.58W 0 4.1,3.9L
¶621058965
IDC Error ellipse: s-maj=109.6km s-min=57.1km az=128.0.
ISC IX 05 17 51 46.1–.31 22.03S–.03 174.64W–.03 20–1 6.3s,6.0b 1790 8-179
BJI IX 05 17 51 42.2 22.00S 174.25W 10 6.8b,6.3s **¶621240957**
IPGP IX 05 17 51 42.0 22.09S 174.17W 9 6.3W,6.3s
IDC IX 05 17 51 43.3–.29 22.00S 174.66W 0 6.1s,5.5b
MOS IX 05 17 51 43.9–1.2 21.93S 174.78W 10 6.2s,6.1b
ISC-P IX 05 17 51 44 22.01S 174.59W 11–0 6.5,6.1b
NEIC IX 05 17 51 44.9–2.5 22.01S–.07 174.6W–.10 10–1 6.4,6.2
GFZ IX 05 17 51 45.1–.07 22S–2.0 175W–2.0 12 6.6b,6.4
GFZ IX 05 17 51 45.1 21.96S 174.77W 12 6.0W,6.4
NEIC IX 05 17 51 45 22.03S 174.55W 10 6.0W,6.4
NEIC IX 05 17 51 45.1 22.02S 174.54W 10 6.0W,6.4
NEIC IX 05 17 51 48.4 21.93S 173.79W 30 5.9,6.4
PTWC IX 05 17 51 48 21.90S 174.00W 98 6.4,6.4
GCMT IX 05 17 51 49.8–.10 22.11S 174.15W 21–0 6.0W,6.4
NOU IX 05 17 51 51.9 22.03S 174.80W 66 5.9,6.4
ISC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s241.00000°,δ22.00000°,λ123.00000°. NP2:ϕ_s26.00000°,δ71.00000°,λ77.00000°.
IDC Error ellipse: s-maj=11.2km s-min=10.5km az=150.0.
MOS Error ellipse: s-maj=8.1km s-min=6.6km az=102.3.
ISC-P Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}0.29±.12 $M_{\theta\theta}$0.23±.20; $M_{\phi\phi}$-0.63±.16; $M_{r\theta}$0.24±.19; $M_{\theta\phi}$0.41±.17; $M_{\phi r}$0.07±.15; NP1:ϕ_s25.10000°,δ72.80000°,λ122.10000°. NP2:ϕ_s140.40000°,δ36.00000°,λ30.20000°. M_o8.32000×10^{18}
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.8km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.42 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.78 $M_{\phi r}$1.47 NP1:ϕ_s29.64000°,δ69.44000°,λ81.26000°. NP2:ϕ_s233.29000°,δ22.26000°,λ112.06000°. Principal axes: T 2.1833,Plg65.0000°,Azm285.0000°; N 0.0126,Plg8.0000°,Azm33.0000°; P -2.1959,Plg24.0000°,Azm126.0000° M_o2.19000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.56 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.87 $M_{\theta\phi}$-0.29 $M_{\phi r}$0.90 NP1:ϕ_s208.71046°,δ12.69491°,λ75.83228°. NP2:ϕ_s43.21839°,δ77.69737°,λ93.15589°. Principal axes: T 1.3676,Plg57.1917°,Azm317.3384°; N 0.0133,Plg3.0833°,Azm222.5453°; P -1.3809,Plg32.6261°,Azm130.5691° M_o1.37429×10^{18}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}7.69 $M_{\theta\theta}$-2.36 $M_{\phi\phi}$-5.33 $M_{r\theta}$3.92 $M_{\theta\phi}$-1.95 $M_{\phi r}$5.76 NP1:ϕ_s203.62000°,δ22.74000°,λ82.55000°. NP2:ϕ_s31.69000°,δ67.47000°,λ93.11000°. Principal axes: T 10.5865,Plg67.0000°,Azm307.0000°; N -1.4407,Plg3.0000°,Azm210.0000°; P -9.1458,Plg22.0000°,Azm119.0000° M_o9.94000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109051751A. Moment Tensor Solution. s156,c345; s163,c544;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.86±.01 $M_{\theta\theta}$-0.19±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$0.44±.01; $M_{\theta\phi}$-0.53±.00; $M_{\phi r}$0.94±.02; Best double couple: NP1:ϕ_s221.00000°,δ21.00000°,λ104.00000°. NP2:ϕ_s27.00000°,δ69.00000°,λ85.00000°. Principal axes: T 1.3290,Plg65.0000°,Azm288.0000°; N 0.1420,Plg5.0000°,Azm29.0000°; P -1.4700,Plg24.0000°,Azm121.0000° M_o1.39900×10^{18}
NOU Tonga Islands Region.
ISC VIII 31 02 41 50.1–.58 17.36S–.07 172.19W–.09 15 4.6b 69 3-148
IDC VIII 31 02 41 49.8–.83 17.68S 172.47W 0 4.3b,4.3 **¶621076556**
NEIC VIII 31 02 41 50.1–1.3 17.40S–.10 172.2W–.10 10–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 16 42 06.3–1.7 22.2S–.30 174.0W–.20 46 4.0b 8 9-146
IDC IX 11 16 42 26.7–5.5 21.44S 175.35W 172–42 3.9,3.4b **¶621108593**
ISC Event type se.
IDC Error ellipse: s-maj=44.5km s-min=24.1km az=103.0.
ISC IX 07 18 08 09.9–2.2 22.9S–.30 175.0W–.40 30 4.2b,3.8s 6 8-146
IDC IX 07 18 08 15.5–7.9 22.67S 175.28W 75–59 4.1,3.8b **¶621094333**
ISC Event type se.
IDC Error ellipse: s-maj=64.7km s-min=47.9km az=111.0.
ISC IX 17 07 27 16.2–2.9 22S–1.0 172.8W–.60 35 3.7b,3.7s 8 49-160
IDC IX 17 07 27 11.7–2.6 21.35S 172.91W 0 3.6b,3.6 **¶621112942**
ISC Event type se.
IDC Error ellipse: s-maj=184.4km s-min=25.0km az=155.0.
IDC IX 14 09 50 07.5–59 23.99S 175.49W 0 3.8b,3.8
¶621110832
IDC Error ellipse: s-maj=1092.0km s-min=187.1km az=89.0.
ISC IX 16 01 11 12.6–.66 22.8S–.10 174.4W–.10 10 4.6b,3.5s 36 9-153
IDC IX 16 01 11 11.3–1.6 22.85S 174.46W 0 4.0L,4.0 **¶621112862**
NEIC IX 16 01 11 12.7–1.1 22.75S–.10 174.3W–.10 10–1 4.7b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 24 13 36 25.0–5.2 17.84S 171.93W 0 3.6b,3.6
¶621126440
IDC Error ellipse: s-maj=222.0km s-min=39.2km az=137.0.
IDC IX 17 09 03 25.8–9.3 18.86S 171.89W 0 3.7b,3.7
¶621112949
IDC Error ellipse: s-maj=242.8km s-min=50.1km az=29.0.
ISC IX 17 16 42 22.4–.56 23.05S–.08 175.6W–.10 10 4.5b 56 8-153
IDC IX 17 16 42 21.9–.70 23.14S 175.58W 0 4.6L,4.1b **¶621081718**
NEIC IX 17 16 42 22.3–2.6 22.9S–.10 175.3W–.10 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 27 12 10 20.5–20 22.64S 173.95W 0 4.1b,4.1
¶621140713
IDC Error ellipse: s-maj=492.5km s-min=37.0km az=41.0.
IDC IX 25 22 12 33.8–32 22.68S 174.02W 0 3.7b,3.7
¶621131472
IDC Error ellipse: s-maj=597.7km s-min=167.1km az=78.0.
ISC X 18 10 20 53.1–.53 18.68S–.08 172.61W–.09 10 4.3b 35 5-149
NEIC X 18 10 20 52.8–1.6 18.72S–.04 172.5W–.10 10–1 4.5b **¶621244026**
IDC X 18 10 20 53.7–.71 18.91S 172.86W 0 4.2,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=4.1km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=16.7km az=137.0.
ISC IX 30 19 48 37.7–.65 22.7S–.10 174.50W–.09 22 4.2b 31 7-151
NEIC IX 30 19 48 36.0–2.2 22.6S–.10 174.45W–.10 10–1 4.3b **¶621147781**
IDC IX 30 19 48 36.5–1.0 22.74S 174.86W 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=14.9km az=7.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.7km s-min=19.8km az=175.0.
IDC X 03 12 53 57.4–42 21.61S 172.84W 0 4.2b,4.2
¶621186130
IDC Error ellipse: s-maj=812.5km s-min=177.5km az=86.0.
IDC X 09 02 15 21.6–3.2 22.19S 172.34W 0 3.6b,3.6
¶621235298
IDC Error ellipse: s-maj=284.6km s-min=34.6km az=161.0.
ISC IX 29 11 23 12.8–.43 19.03S–.07 172.58W–.06 13 4.5b,3.8s 71 5-149
NEIC IX 29 11 23 12.6–1.8 19.02S–.09 172.6W–.10 10–1 4.6b,3.8s **¶621112998**
IDC IX 29 11 23 13.1–.53 19.21S 172.82W 0 4.4,4.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=14.0km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.3km s-min=11.8km az=126.0.
ISC X 19 02 08 27.8–.54 18.93S–.08 172.61W–.08 13 4.6b,3.6s 53 5-152
NEIC X 19 02 08 26.5–1.4 18.91S–.09 172.47W–.06 10–1 4.6b,3.6s **¶621244056**
IDC X 19 02 08 27.0–.66 19.26S 172.75W 0 4.5b,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=5.3km az=28.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.7km s-min=14.7km az=158.0.
ISC X 19 02 39 11.7–.82 18.6S–.10 172.9W–.10 19 4.2b,3.2s 35 5-149
IDC X 19 02 39 08.7–1.1 18.94S 172.87W 0 4.2,4.1b **¶621244058**
NEIC X 19 02 39 10.2–1.3 18.5S–.10 172.8W–.10 10–2 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 24 23 05 18.8–.45 22.51S–.08 174.68W–.08 22 4.3b,3.4s 62 8-153
IDC X 24 23 05 15.9–.56 22.50S 174.83W 0 4.2b,4.2 **¶621241325**
NEIC X 24 23 05 17.5–1.8 22.54S–.04 174.58W–.09 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 26 06 40 12.4–1.0 23.6S–.10 175.9W–.20 33 4.3b 14 8-147
IDC X 26 06 40 06.0–1.0 22.98S 176.04W 0 4.2,4.1L **¶621242161**
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=21.7km az=169.0.
IDC X 26 21 50 16.2–16 23.30S 172.12W 0 3.8b,3.8
¶621366492
IDC Error ellipse: s-maj=445.9km s-min=63.8km az=35.0.
ISC X 28 06 03 11.3–.66 22.84S–.07 175.00W–.07 15–3 5.0b,4.0s 255 8-155
IDC X 28 06 03 09.4–.45 22.65S 175.16W 0 4.6b,4.6 **¶621242561**
GFZ X 28 06 03 10.6–.23 23S–4.0 175W–4.0 10 4.9b,4.9
NEIC X 28 06 03 10.8–1.4 22.86S–.09 174.93W–.03 10–1 5.0b,4.9
GCMT X 28 06 03 14.0–.40 22.96S–.05 174.71W–.03 29–1 5.0W,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110280603A. Moment Tensor Solution. s26,c27; s70,c78; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.32±.23 $M_{\theta\theta}$-1.56±.18; $M_{\phi\phi}$-1.76±.15; $M_{r\theta}$2.06±.21; $M_{\theta\phi}$-0.43±.10; $M_{\phi r}$0.43±.17; Best double couple: NP1:ϕ_s223.00000°,δ28.00000°,λ72.00000°. NP2:ϕ_s63.00000°,δ64.00000°,λ99.00000°. Principal axes: T 4.0840,Plg70.0000°,Azm353.0000°; N -1.4260,Plg8.0000°,Azm239.0000°; P -2.6580,Plg18.0000°,Azm146.0000° M_o3.37100×10^{16}
ISC XI 01 00 21 37.4–.36 23.62S–.06 174.53W–.06 10 5.5s,4.8b 143 6-162
NEIC XI 01 00 21 36.7–1.1 23.51S–.07 174.45W–.09 10–1 4.7b,4.8b **¶621244916**
IDC XI 01 00 21 42.7–.49 23.41S 175.42W 0 5.4s,4.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.1km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.2km s-min=13.0km az=120.0.
ISC X 30 21 04 59.7–1.2 23.3S–.30 173.9W–.10 35 4.0b 11 9-147
IDC X 30 21 04 54.6–1.4 23.29S 173.87W 0 4.1b,4.1 **¶621395199**
ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=23.4km az=166.0.
ISC X 29 23 19 17.4–1.9 23.0S–.10 174.1W–.20 10 4.4b 26 7-151
IDC X 29 23 19 16.6–56 22.96S 174.11W 0 4.1b,4.1 **¶621391468**
NEIC X 29 23 19 17.8–2.5 22.97S–.09 174.1W–.10 10–2 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 30 22 22 27.6–.82 22.4S–.10 174.7W–.20 22 4.2b 26 7-151
NEIC X 30 22 22 25.0–2.4 22.46S–.09 174.40W–.07 10–1 4.5b **¶621395204**
IDC X 30 22 22 26.5–1.1 22.53S 175.07W 0 4.1,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.9km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.1km s-min=22.7km az=129.0.
ISC XI 12 06 40 05.7–.96 18.1S–.10 172.8W–.10 26 3.9b 11 4-149
IDC XI 12 06 40 07.8–3.8 18.09S 172.92W 42–34 4.0,3.8L **¶621460199**
ISC Event type se.
IDC Error ellipse: s-maj=43.0km s-min=18.2km az=137.0.
ISC XI 01 02 53 39.2–.42 22.62S–.07 175.0W–.10 33 4.6b,3.7s 130 7-153
NEIC XI 01 02 53 36.0–1.6 22.67S–.08 174.80W–.10 10–1 4.7b,3.7s **¶621244928**
IDC XI 01 02 53 46.8–3.6 22.62S 175.40W 88–30 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=12.3km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.3km s-min=15.1km az=114.0.
ISC XI 01 03 45 07.5–.50 22.74S–.09 175.2W–.10 33 4.7b,4.0s 79 7-153
NEIC XI 01 03 45 05.0–1.9 22.66S–.05 175.2W–.20 10–1 4.8b,4.0s **¶621401248**
IDC XI 01 03 45 13.5–4.0 22.83S 175.31W 84–33 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=8.7km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.9km s-min=16.0km az=91.0.
ISC XI 01 15 14 39.7–.48 18.85S–.07 172.90W–.07 10 4.3b 51 5-150
IDC XI 01 15 14 39.6–.64 19.00S 173.38W 0 4.1,4.0b **¶621401274**
NEIC XI 01 15 14 40.1–2.5 18.85S–.08 172.80W–.08 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 08 06 28 01.2–.51 22.63S–.10 174.54W–.09 10 4.2b 42 7-151
IDC XI 08 06 28 00.5–.63 22.49S 174.83W 0 4.1,4.0b **¶621423079**
NEIC XI 08 06 28 01.7–1.3 22.63S–.09 174.6W–.10 10–1 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 29 20 06 10.7–29 19.92S 171.37W 0 3.9b,3.9
¶621626991

IDC Error ellipse: s-maj=553.3km s-min=186.6km az=76.0.
ISC XI 13 11 50 01.8–1.4 19.3S–.20 172.6W–.30 35 3.7b,3.5s 6 5-150
IDC XI 13 11 49 58.3–1.4 19.72S 172.65W 0 3.6,3.5L **¶621468598**
ISC Event type se.
IDC Error ellipse: s-maj=40.3km s-min=23.8km az=111.0.
ISC XI 18 15 42 47.9–.47 22.65S–.08 174.39W–.08 10 5.1b 74 7-157
IDC XI 18 15 42 47.8–.92 22.74S 174.83W 0 4.7b,4.7 **¶621532484**
NEIC XI 18 15 42 48.9–2.2 22.64S–.02 174.5W–.10 10–1 5.2b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 22 00 41 22.0–.51 23.62S–.07 175.2W–.10 10 4.4b,4.0s 59 6-154
IDC XI 22 00 41 21.1–.67 23.52S 175.39W 0 4.1b,4.1 **¶621611882**
NEIC XI 22 00 41 22.0–.99 23.56S–.09 175.08W–.05 10–1 4.8b,4.1
GCMT XI 22 00 41 25.2–.40 23.34S–.06 174.80W–.03 20–1 4.8W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111220041A. Moment Tensor Solution. s21,c23; s68,c77; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.52±.15 $M_{\theta\theta}$-0.10±.10; $M_{\phi\phi}$-1.42±.09; $M_{r\theta}$-0.03±.26; $M_{\theta\phi}$-0.55±.07; $M_{\phi r}$0.57±.15; Best double couple: NP1:ϕ_s208.00000°,δ36.00000°,λ103.00000°. NP2:ϕ_s12.00000°,δ55.00000°,λ80.00000°. Principal axes:
T 1.6360,Plg78.0000°,Azm248.0000°; N 0.0610,Plg8.0000°,Azm17.0000°
; P -1.7010,Plg9.0000°,Azm109.0000° $M_0$1.66900×10^{16}
ISC XI 22 00 50 04.2–.51 18.13S–.07 172.23W–.08 10 4.3b 48 4-149
IDC XI 22 00 50 04.1–.83 17.99S 172.77W 0 4.3b,4.2 **¶621611883**
NEIC XI 22 00 50 05.1–2.2 18.08S–.09 172.15W–.10 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 22 10 06 54.4–.84 17.76S–.10 172.8W–.10 10 4.2b 26 4-146
IDC XI 22 10 06 50.8–1.0 18.54S 172.49W 0 3.9b,3.9 **¶621611904**
NEIC XI 22 10 06 55.2–2.0 17.8S–.10 172.8W–.10 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 27 03 52 04.2–.45 23.34S–.07 175.81W–.09 35 4.8b 64 6-153
NEIC XI 27 03 52 03.1–2.5 23.27S–.08 175.76W–.07 35–1 4.9b **¶621625106**
IDC XI 27 03 52 09.3–4.4 23.29S 176.17W 100–35 4.4,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=4.7km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.8km s-min=18.2km az=147.0.
ISC XII 03 08 40 28.1–.58 23.62S–.04 175.21W–.05 15–3 5.6s,5.3b 546 6-169
BJI XII 03 08 40 23.8 23.57S 174.48W 10 5.9b,5.7b **¶621883630**
NEIC XII 03 08 40 26.1 23.43S 174.99W 10 5.9b,5.7b
NEIC XII 03 08 40 26.5 23.33S 174.45W 26 5.5,5.7b
NEIC XII 03 08 40 26.3–1.3 23.38S–.09 175.0W–.10 10–1 5.6,5.3b
IDC XII 03 08 40 26.8–.46 23.47S 175.34W 0 5.1s,5.0b
GFZ XII 03 08 40 27.8–.19 23S–3.0 175W–4.0 10 5.8b,5.4
NOU XII 03 08 40 30.6 23.61S 174.77W 67 5.2b,5.4
GCMT XII 03 08 40 32.8–.20 23.51S–.01 174.91W–.01 15–0 5.5W,5.4
MOS XII 03 08 40 35.9–1.9 22.49S 177.06W 10 5.5s,5.3b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.76 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-1.48 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.77 $M_{\phi r}$1.19 NP1:ϕ_s209.35000°,δ27.53000°,λ95.68000°. NP2:ϕ_s22.95000°,δ62.62000°,λ87.05000°. Principal axes:
T 2.1627,Plg72.0000°,Azm286.0000°; N 0.0905,Plg3.0000°,Azm24.0000°
; P -2.2533,Plg18.0000°,Azm115.0000° $M_0$2.21000×10^{17}
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=12.9km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=14.5km az=115.0.
GFZ Error ellipse: s-maj=8.0km s-min=7.0km az=112.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Tonga Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112030840A. Moment Tensor Solution. s74,c125; s140,c232;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.87±.05 $M_{\theta\theta}$-0.56±.03; $M_{\phi\phi}$-1.31±.04; $M_{r\theta}$0.55±.07; $M_{\theta\phi}$-0.63±.02; $M_{\phi r}$0.70±.07; Best double couple: NP1: ϕ_s206.00000°,δ32.00000°,λ84.00000°. NP2:ϕ_s33.00000°,δ58.00000°,λ94.00000°. Principal axes: T 2.0860,Plg76.0000°,Azm314.0000°; N -0.2100,Plg3.0000°,Azm211.0000°
; P -1.8730,Plg13.0000°,Azm121.0000° $M_0$1.98000×10^{17}
MOS Error ellipse: s-maj=19.2km s-min=12.6km az=133.8.
ISC XII 03 09 05 25.9–.49 23.38S–.07 174.73W–.06 10 4.5b 47 7-151
NEIC XII 03 09 05 25.6–.80 23.40S–.08 174.75W–.07 10–1 4.6b **¶621630582**
IDC XII 03 09 05 27.9–.77 23.46S 175.32W 0 4.4,4.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=7.9km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=16.0km az=154.0.
ISC XII 03 09 20 59.8–.48 23.50S–.06 175.36W–.07 25–2 5.0b 217 6-169
IDC XII 03 09 20 56.0–.50 23.52S 175.38W 0 4.6b,4.6 **¶621611400**
NEIC XII 03 09 20 56.5–1.2 23.28S–.08 175.4W–.10 10–1 4.9b,4.6
BJI XII 03 09 20 57.5 23.19S 174.96W 19 5.2b,4.6
GFZ XII 03 09 21 02.7–.28 23S–5.0 175W–5.0 47–1 5.0b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 03 18 46 42.0–.58 23.94S–.07 174.76W–.08 24 4.6b,3.4s 40 9-151
NEIC XII 03 18 46 39.2–2.1 23.80S–.06 174.68W–.09 10–1 4.7b,3.4s **¶621630613**
IDC XII 03 18 46 42.1–1.0 23.89S 175.16W 0 4.4,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=4.1km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.9km s-min=19.7km az=149.0.
IDC XII 05 07 17 28.7–1.4 18.45S 172.63W 0 3.6b,3.6
¶621631235
IDC Error ellipse: s-maj=56.0km s-min=32.8km az=153.0.
ISC XII 05 07 36 02.6–.55 22.83S–.10 175.97W–.08 71 4.3b 38 8-153
NEIC XII 05 07 36 02.9–.64 22.9S–.10 175.97W–.10 68–9 4.3b **¶621631237**
IDC XII 05 07 36 05.7–3.4 22.76S 176.16W 96–30 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=7.1km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.8km s-min=22.0km az=155.0.
ISC XII 06 19 23 54.9–.83 23.8S–.10 175.2W–.10 24 4.5b,3.9s 29 6-152
IDC XII 06 19 23 51.7–1.2 23.67S 175.28W 0 4.3,4.2b **¶621632619**
NEIC XII 06 19 23 53.7–1.8 23.88S–.05 175.2W–.10 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 13 22 07 57.8–1.4 17.5S–.10 172.4W–.20 21 4.3s,3.9b 7 4-78
IDC XII 13 22 07 58.3–1.6 18.19S 172.60W 0 4.2s,4.0b **¶621650605**
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=17.9km az=114.0.
ISC XII 09 22 09 40.4–.44 23.76S–.08 175.25W–.07 10 4.8b,4.4s 103 6-154
IDC XII 09 22 09 39.9–.57 23.60S 175.39W 0 4.5,4.4b **¶621627146**
NEIC XII 09 22 09 40.2–2.0 23.63S–.09 175.3W–.10 10–1 5.1b,4.4b
GCMT XII 09 22 09 46.0–.30 23.51S–.04 175.03W–.03 21–1 4.9W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112092209A. Moment Tensor Solution. s34,c41; s82,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.14±.19 $M_{\theta\theta}$-1.13±.13; $M_{\phi\phi}$-2.01±.12; $M_{r\theta}$1.52±.28; $M_{\theta\phi}$-0.62±.09; $M_{\phi r}$0.85±.19; Best double couple: NP1:ϕ_s202.00000°,δ31.00000°,λ71.00000°. NP2:ϕ_s43.00000°,δ61.00000°,λ101.00000°. Principal axes:
T 3.6960,Plg72.0000°,Azm339.0000°; N -0.9760,Plg9.0000°,Azm218.0000°
; P -2.7200,Plg15.0000°,Azm125.0000° $M_0$3.20800×10^{16}
IDC XII 11 06 55 47.2–1.3 23.10S 175.27W 0 3.7b,3.7
¶621644171
IDC Error ellipse: s-maj=45.2km s-min=33.3km az=158.0.
IDC XII 19 04 42 51.6–50 23.14S 172.89W 0 4.3b,4.3
¶621657058
IDC Error ellipse: s-maj=952.9km s-min=175.4km az=88.0.
ISC XII 22 21 22 37.2–.75 23.6S–.10 175.6W–.10 30 4.6b,3.8s 37 6-154
NEIC XII 22 21 22 38.9–.88 23.59S–.05 175.7W–.20 35–2 4.6b,3.8s **¶621686789**
IDC XII 22 21 22 44.7–4.6 23.48S 175.85W 94–36 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=4.4km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.5km s-min=22.6km az=148.0.
IDC XII 23 12 09 34.1–4.8 18.75S 172.74W 0 4.8L,4.5
¶621686825
IDC Error ellipse: s-maj=145.3km s-min=22.6km az=123.0.
ISC XII 25 21 00 22.6–.56 23.37S–.09 175.3W–.10 30 4.7b,3.5s 52 6-152
IDC XII 25 21 00 18.0–.65 23.20S 175.36W 0 4.3,4.2b **¶621700171**
NEIC XII 25 21 00 19.7–1.4 23.2S–.10 175.3W–.20 10–1 4.9b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 24 04 53 20.1–.64 23.6S–.10 175.3W–.10 30 4.2b 32 6-154
IDC XII 24 04 53 15.2–.87 23.55S 175.22W 0 3.9L,3.9b **¶621700071**
NEIC XII 24 04 53 18.7–1.9 23.70S–.10 175.32W–.06 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

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ISC VII 07 10 44 58.7–1.0 25.2S–.20 175.9W–.20 100 3.7b 8 9-151
IDC VII 07 10 44 57.3–5.3 25.22S 175.89W 86–46 4.2L,3.9 **¶620928107**
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=25.9km az=134.0.
ISC VII 23 23 13 54.6–.56 26.66S–.04 175.63W–.05 17–2 5.5s,5.5b 852 3-166
IDC VII 23 23 13 51.7–.41 26.47S 175.79W 0 5.2s,4.8b **¶620845584**
MOS VII 23 23 13 51.9–1.1 26.58S 175.80W 10 5.4b,5.3s
BJI VII 23 23 13 52.0 26.07S 175.10W 7 5.8b,5.5s
NEIC VII 23 23 13 52.5–1.8 26.63S–.08 175.7W–.10 10–1 5.5b,5.5
NOU VII 23 23 13 53.3 26.64S 175.53W 23 5.3b,5.5
GFZ VII 23 23 13 54.7–.14 26S–3.0 176W–3.0 10 5.7,5.3b
GCMT VII 23 23 13 59.3–.30 26.46S–.03 175.17W–.02 28–0 5.8W,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Tonga Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107232313A. Moment Tensor Solution. s50,c59; s118,c177; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.86±.23 $M_{\theta\theta}$-1.28±.13; $M_{\phi\phi}$-3.58±.14; $M_{r\theta}$0.71±.26; $M_{\theta\phi}$-0.51±.08; $M_{\phi r}$2.97±.20; Best double couple: NP1:ϕ_s192.00000°,δ27.00000°,λ89.00000°. NP2:ϕ_s13.00000°,δ63.00000°,λ91.00000°. Principal axes:
T 5.8390,Plg72.0000°,Azm284.0000°; N -1.1730,Plg0.0000°,Azm192.0000°
; P -4.6660,Plg18.0000°,Azm102.0000° $M_0$5.25200×10^{17}
ISC VIII 13 20 39 00.5–.31 26.54S–.05 175.69W–.06 10 5.0b,4.3s 226 3-166
NEIC VIII 13 20 39 00.8–1.6 26.44S–.09 175.7W–.10 10–1 5.0b,4.3s **¶621237492**
IDC VIII 13 20 39 00.1–.43 26.53S 175.72W 0 4.5,4.4b
GCMT VIII 13 20 39 05.2–.30 26.29S–.04 175.37W–.02 18–1 5.0W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132039A. Moment Tensor Solution. s19,c19; s85,c116; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.27±.36 $M_{\theta\theta}$0.23±.21; $M_{\phi\phi}$4.03±.22; $M_{r\theta}$2.09±.69; $M_{\theta\phi}$0.25±.12; $M_{\phi r}$0.33±.40; Best double couple: NP1:ϕ_s345.00000°,δ45.00000°,λ-120.00000°. NP2:ϕ_s205.00000°,δ52.00000°,λ-63.00000°. Principal axes:
T 4.0760,Plg4.0000°,Azm276.0000°; N 1.0120,Plg21.0000°,Azm7.0000°
; P -5.0960,Plg69.0000°,Azm176.0000° $M_0$4.58600×10^{16}
ISC VIII 01 05 50 47.9–.44 25.04S–.07 175.31W–.08 10 4.4b 49 10-152
IDC VIII 01 05 50 47.7–.56 25.19S 175.55W 0 4.5L,4.4 **¶620929077**
NEIC VIII 01 05 50 47.2–1.8 24.98S–.06 175.22W–.08 10–1 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 25 10 57 50.0–.73 26.32S–.09 176.0W–.10 32 4.4b 30 10-154
IDC VII 25 10 57 44.3–1.9 26.72S 176.09W 0 4.3b,4.2 **¶621112280**
NEIC VII 25 10 57 47.4–1.2 26.3S–.10 175.96W–.07 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 04 18 32.3–.59 26.4S–.10 175.8W–.10 32 4.0s,4.0b 29 10-167
IDC VIII 14 04 18 27.3–.71 26.43S 175.81W 0 4.0,4.0s **¶621237498**
NEIC VIII 14 04 18 29.2–2.2 26.39S–.10 175.6W–.10 10–1 4.6b,4.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 10 08 10 56.1–9.7 24.40S 174.77W 0 3.8b,3.8
¶621108492
IDC Error ellipse: s-maj=251.7km s-min=38.9km az=32.0.
ISC X 25 10 04 12.0–.61 24.98S–.08 175.21W–.08 10 4.5b,3.2s 35 10-134
NEIC X 25 10 04 11.5–1.1 25.03S–.09 175.1W–.10 10–2 4.6b,3.2s **¶621240722**
IDC X 25 10 04 12.9–.90 24.94S 175.55W 0 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=15.0km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=17.9km az=151.0.
ISC XI 03 03 19 00.2–.26 24.51S–.04 175.98W–.04 35–1 5.6b,5.5s 1068 5-168
BJI XI 03 03 18 56.9 24.18S 175.34W 30 6.0b,5.7b **¶621255802**
IDC XI 03 03 18 56.2–.44 24.28S 176.21W 0 5.4b,5.4
GFZ XI 03 03 18 58.7–.46 24S–3.0 176W–3.0 26–3 6.0b,5.6
GFZ XI 03 03 18 59.3 24.43S 175.93W 26 5.7W,5.6
MOS XI 03 03 18 59.9–1.1 24.35S 176.23W 33 5.7b,5.2s
NOU XI 03 03 18 59.1 24.70S 175.55W 54 5.6b,5.2s
IPGP XI 03 03 19 00.0 24.45S 176.11W 33 5.7W,5.2s
NEIC XI 03 03 19 00.6–1.6 24.48S–.05 175.9W–.10 35–1 5.7b,5.6
BGR XI 03 03 19 01.9 23.74S 175.85W 33 5.6s,5.6
NEIC XI 03 03 19 01.4 24.39S 176.09W 35 5.6s,5.6
GCMT XI 03 03 19 04.1–.10 24.31S–.01 175.69W–.01 28–0 5.8W,5.6
NEIC XI 03 03 19 08.9 23.79S 175.87W 24 5.7,5.6
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=12.8km az=141.0.
GFZ Error ellipse: s-maj=7.2km s-min=5.0km az=121.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.52 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-3.47 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.94 $M_{\phi r}$2.91 NP1: ϕ_s195.01207°,δ25.16590°,λ91.03660°. NP2:ϕ_s13.86679°,δ64.83850°,λ89.51301°. Principal axes: T 4.5994,Plg70.1576°,Azm282.8522°; N 0.1924,Plg0.4408°,Azm14.0739°
; P -4.7918,Plg19.8371°,Azm104.2329° $M_0$4.69857×10^{17}
MOS Error ellipse: s-maj=10.5km s-min=9.1km az=130.7.
NOU South of Tonga Islands.

IPGP Moment Tensor Solution. NP1:ϕ_s242.00000°,δ30.00000°,λ120.00000°. NP2:ϕ_s28.00000°,δ64.00000°,λ74.00000°.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.8km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111030319A. Moment Tensor Solution. s140,c272; s158,c327;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}4.39±.06 $M_{\theta\theta}$-0.32±.04; $M_{\phi\phi}$-4.08±.04; $M_{r\theta}$0.71±.09; $M_{\theta\phi}$-1.28±.03; $M_{\phi r}$3.41±.08; Best double couple: NP1: ϕ_s201.00000°,δ26.00000°,λ96.00000°. NP2:ϕ_s14.00000°,δ64.00000°,λ87.00000°. Principal axes: T 5.6020,Plg71.0000°,Azm277.0000°; N 0.0630,Plg3.0000°,Azm15.0000°; P -5.6710,Plg19.0000°,Azm106.0000° $M_0$5.63700×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}4.38 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-3.17 $M_{r\theta}$-0.15 $M_{\theta\phi}$-0.07 $M_{\phi r}$-0.39 NP1:ϕ_s0.83000°,δ42.03000°,λ87.91000°. NP2:ϕ_s183.64000°,δ48.00000°,λ91.88000°. Principal axes: T 4.4050,Plg87.0000°,Azm117.0000°; N -1.2116,Plg1.0000°,Azm2.0000°; P -3.1935,Plg3.0000°,Azm272.0000° $M_0$3.94000×10^{17}

IDC	**XI**	**06 17 39 58.4–6.0**	**26.57S**	**175.44W**	**0**	**3.4b,3.4**				**¶621415993**
IDC	Error ellipse: s-maj=366.9km s-min=36.3km az=158.0.									
ISC	**XI**	**03 07 26 29.4–.30**	**24.16S–.04**	**175.93W–.06**	**31**	**4.8b,4.3s**	**179**	**5-169**		
IDC	XI	03 07 26 24.7–.50	24.30S	176.21W	0	5.0L,4.5				**¶621255777**
NEIC	XI	03 07 26 30.3–2.3	24.17S–.05	175.9W–.10	35–1	4.9b,4.5				
GCMT	XI	03 07 26 33.7–.20	24.22S–.02	175.56W–.01	33–0	5.1W,4.5				
ISC	Event type se.									
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.									
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111030726A. Moment Tensor Solution. s61,c92; s107,c163; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.03±.18 $M_{\theta\theta}$0.61±.12; $M_{\phi\phi}$-4.63±.11; $M_{r\theta}$0.31±.17; $M_{\theta\phi}$-0.69±.08; $M_{\phi r}$3.36±.14; Best double couple: NP1:ϕ_s189.00000°,δ26.00000°,λ93.00000°. NP2:ϕ_s6.00000°,δ64.00000°,λ89.00000°. Principal axes: T 5.1820,Plg71.0000°,Azm273.0000°; N 0.6970,Plg1.0000°,Azm7.0000°; P -5.8700,Plg19.0000°,Azm97.0000° $M_0$5.52600×10^{16}									
ISC	**XI**	**03 04 49 15.4–.50**	**24.21S–.08**	**175.76W–.08**	**31**	**4.6b**	**33**	**5-148**		
IDC	XI	03 04 49 11.0–.74	24.23S	176.23W	0	4.3b,4.3				**¶621412217**
NEIC	XI	03 04 49 15.6–1.9	24.20S–.05	175.6W–.10	35–2	4.7b,4.3				
ISC	Event type se.									
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.									
ISC	**XI**	**12 17 19 17.1–.41**	**24.37S–.06**	**175.06W–.08**	**10**	**4.8b,3.8s**	**121**	**6-168**		
IDC	XI	12 17 19 15.9–.49	24.27S	175.06W	0	4.3L,4.3				**¶621401387**
NEIC	XI	12 17 19 17.5–1.6	24.30S–.09	175.1W–.10	10–1	4.9b,4.3				
GCMT	XI	12 17 19 21.0–.30	24.37S–.03	174.68W–.02	19–0	4.8W,4.3				
ISC	Event type se.									
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.									
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111121719A. Moment Tensor Solution. s36,c43; s79,c116; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.31±.13 $M_{\theta\theta}$0.28±.08; $M_{\phi\phi}$2.03±.08; $M_{r\theta}$-0.05±.20; $M_{\theta\phi}$0.55±.05; $M_{\phi r}$0.16±.15; Best double couple: NP1:ϕ_s18.00000°,δ43.00000°,λ-87.00000°. NP2:ϕ_s194.00000°,δ47.00000°,λ-93.00000°. Principal axes: T 2.1940,Plg2.0000°,Azm286.0000°; N 0.1200,Plg2.0000°,Azm196.0000°; P -2.3180,Plg87.0000°,Azm56.0000° $M_0$2.25600×10^{16}									

(176) North of New Zealand.

WEL	**VII**	**05 00 20 46.1–1.2**	**32S–7.0**	**178E–30**	**10**	**4.7b,4.2**				**¶626186292**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									
ISC	**VII**	**25 10 52 20.3–.85**	**29.1S–.10**	**177.8E–.30**	**35**	**3.7b**	**17**	**11-149**		
IDC	VII	25 10 52 14.5–.83	28.99S	177.95E	0	3.9b,3.9				**¶620973763**
ISC	Event type se.									
IDC	Error ellipse: s-maj=34.1km s-min=23.0km az=85.0.									
WEL	**XII**	**10 01 17 36.4–1.5**	**32S–9.0**	**176E–20**	**0**	**4.7b,3.9L**				**¶631564751**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									
WEL	**VIII**	**06 08 42 26.5–2.2**	**35S–39**	**178E–41**	**536–45**	**3.5,3.5**				**¶626187990**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									
WEL	**XI**	**09 14 39 49.5–2.5**	**31S–18**	**177E–83**	**300**	**4.2,4.1**				**¶635637942**
WEL	smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.									
WEL	**XI**	**18 18 51 49.0–1.4**	**33S–9.0**	**178E–28**	**10**	**4.5b,3.9**				**¶635645345**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									
WEL	**X**	**02 08 06 51.8–1.8**	**34S–30**	**177E–24**	**596–36**	**3.5,3.5**				**¶626702934**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.									
WEL	**IX**	**25 21 09 40.8–1.6**	**33S–8.0**	**178E–25**	**10**	**4.8b,4.1**				**¶626508166**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									
WEL	**XII**	**09 16 47 17.5–1.3**	**32S–8.0**	**177E–26**	**10**	**4.7b,4.3**				**¶631564727**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									

(177) Kermadec Islands region.

IDC	**VII**	**01 20 07 46.1–8.9**	**31.51S**	**179.58W**	**0**	**3.5s,3.4b**				**¶620927692**
IDC	Error ellipse: s-maj=384.4km s-min=62.9km az=158.0.									
ISC	**VII**	**02 03 34 52.7–1.2**	**28.4S–.30**	**177.5W–.30**	**54**	**3.9b**	**9**	**44-150**		
IDC	VII	02 03 34 45.7–1.4	28.52S	177.50W	0	3.8b,3.8				**¶620927710**
ISC	Event type se.									
IDC	Error ellipse: s-maj=47.5km s-min=41.3km az=9.0.									
WEL	**VII**	**03 13 16 03.6–1.1**	**31S–13**	**180W–26**	**10**	**4.9b,4.6**				**¶626186195**
WEL	smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									
ISC	**VII**	**04 11 58 10.0–.54**	**31.23S–.06**	**179.4W–.10**	**200**	**4.5b**	**71**	**2-162**		
NEIC	VII	04 11 58 08.8–1.3	31.0S–.10	179.3W–.20	190–6	4.3b				**¶620733903**
WEL	VII	04 11 58 12.0–.98	32S–9.0	178W–28	20	4.6,4.6L				
IDC	VII	04 11 58 25.8–8.1	31.12S	179.80W	343–72	4.6,3.9b				
ISC	Event type se.									
NEIC	Event type se. Error ellipse: s-maj=23.2km s-min=10.6km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.									
WEL	Error ellipse: s-maj=38.1km s-min=4.5km az=106.9. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									
IDC	Error ellipse: s-maj=41.2km s-min=16.2km az=67.0.									
IDC	**VII**	**04 18 27 35.4–5.2**	**28.90S**	**177.22W**	**0**	**3.5b,3.5**				**¶620927894**
IDC	Error ellipse: s-maj=284.3km s-min=47.1km az=159.0.									
IDC	**VII**	**04 18 44 21.8–26**	**30.16S**	**179.13W**	**461–267**	**3.8,2.9b**				**¶620927895**
IDC	Error ellipse: s-maj=173.0km s-min=30.5km az=55.0.									
IDC	**VII**	**04 23 20 47.4–5.7**	**29.56S**	**179.37W**	**0**	**3.8b,3.8**				**¶620927912**
IDC	Error ellipse: s-maj=310.5km s-min=83.4km az=166.0.									
ISC	**VII**	**05 07 02 34.9–.98**	**29.0S–.20**	**179.3W–.20**	**300**	**3.8b**	**12**	**15-147**		
IDC	VII	05 07 02 19.3–23	29.04S	179.02W	148–203	4.0,3.6b				**¶620927934**
ISC	Event type se.									
IDC	Error ellipse: s-maj=63.6km s-min=23.3km az=60.0.									
IDC	**VII**	**05 17 47 08.6–3.4**	**29.18S**	**176.99W**	**0**	**3.7b,3.7**				**¶620927976**
IDC	Error ellipse: s-maj=96.1km s-min=42.0km az=37.0.									
ISC	**VII**	**05 21 02 20.3–.48**	**27.31S–.08**	**176.42W–.09**	**10**	**4.3b,3.7s**	**56**	**11-155**		
IDC	VII	05 21 02 20.0–.67	27.13S	176.74W	0	4.1b,4.1				**¶620754143**
NEIC	VII	05 21 02 21.2–2.1	27.3S–.10	176.57W–.06	10–1	4.7b,4.1				
ISC	Event type se.									
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.									
ISC	**VII**	**06 04 45 02.8–.87**	**28.81S–.10**	**177.1W–.20**	**36**	**4.2b,3.7s**	**30**	**12-150**		
IDC	VII	06 04 44 58.5–1.3	28.62S	177.40W	0	3.8b,3.8				**¶621112209**
NEIC	VII	06 04 45 02.8–1.8	28.8S–.10	176.9W–.20	35–1	4.4b,3.8				
ISC	Event type se.									
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.									
ISC	**VII**	**06 06 46 38.1–.69**	**28.1S–.10**	**176.9W–.20**	**49**	**4.2b,3.6s**	**18**	**11-152**		
IDC	VII	06 06 46 31.1–.83	28.04S	176.82W	0	4.1b,4.1				**¶620928009**
ISC	Event type se.									
IDC	Error ellipse: s-maj=32.4km s-min=28.3km az=159.0.									
IDC	**VII**	**06 13 47 37.9–5.3**	**29.84S**	**179.08W**	**0**	**3.5b,3.5**				**¶620928038**
IDC	Error ellipse: s-maj=258.8km s-min=82.2km az=166.0.									
ISC	**VII**	**06 16 18 36.3–.86**	**27.6S–.20**	**178.2W–.20**	**250**	**3.7b**	**17**	**10-152**		
IDC	VII	06 16 18 37.4–3.9	27.59S	178.25W	260–33	4.0,3.3b				**¶620928047**
ISC	Event type se.									
IDC	Error ellipse: s-maj=27.8km s-min=20.5km az=104.0.									
IDC	**VII**	**06 20 35 23.6–4.0**	**28.11S**	**176.97W**	**0**	**3.5b,3.5**				**¶620928058**
IDC	Error ellipse: s-maj=113.5km s-min=39.5km az=38.0.									
IDC	**VII**	**07 03 41 54.1–2.1**	**28.57S**	**177.32W**	**0**	**3.6b,3.6**				**¶620928080**
IDC	Error ellipse: s-maj=64.1km s-min=39.8km az=39.0.									
ISC	**VII**	**07 05 39 26.5–.82**	**28.0S–.10**	**177.1W–.20**	**100**	**4.1b**	**18**	**11-152**		
IDC	VII	07 05 39 28.5–4.9	27.89S	177.16W	120–40	4.1,3.7b				**¶620928086**
ISC	Event type se.									
IDC	Error ellipse: s-maj=28.4km s-min=20.3km az=101.0.									
ISC	**VII**	**07 12 00 28.4–1.4**	**28.8S–.30**	**177.8W–.30**	**35**	**4.2b**	**7**	**35-150**		
IDC	VII	07 12 00 23.7–1.4	28.83S	177.80W	0	4.3b,4.3				**¶620928112**
ISC	Event type se.									
IDC	Error ellipse: s-maj=41.2km s-min=32.6km az=27.0.									
ISC	**VII**	**07 16 59 31.2–.81**	**29.0S–.10**	**177.8W–.20**	**35**	**4.4b**	**34**	**10-151**		
IDC	VII	07 16 59 26.8–1.0	28.89S	177.96W	0	4.2b,4.2				**¶620928130**
NEIC	VII	07 16 59 29.4–1.0	29.12S–.08	177.8W–.20	10–1	4.5b,4.2				
ISC	Event type se.									
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.									
IDC	**VII**	**08 05 34 55.0–2.6**	**28.25S**	**177.53W**	**0**	**4.3L,3.4b**				**¶620928157**
IDC	Error ellipse: s-maj=66.4km s-min=36.6km az=62.0.									
ISC	**VII**	**08 09 38 11.6–.59**	**31.41S–.05**	**178.0W–.10**	**50**	**4.5b**	**75**	**2-153**		
NEIC	VII	08 09 38 11.7–1.8	31.4S–.10	178.3W–.20	38–7	4.6b				**¶621112219**
IDC	VII	08 09 38 32.8–10	31.31S	178.78W	222–87	4.5,3.9b				
ISC	Event type se.									
NEIC	Event type se. Error ellipse: s-maj=25.1km s-min=14.9km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.									
IDC	Error ellipse: s-maj=40.3km s-min=17.8km az=60.0.									
ISC	**VII**	**09 15 15 39.8–1.6**	**29.0S–.30**	**178.0W–.30**	**35**	**4.3b,3.5s**	**9**	**12-150**		
IDC	VII	09 15 15 35.6–1.9	29.20S	178.14W	0	4.1b,4.1				**¶620913566**
ISC	Event type se.									
IDC	Error ellipse: s-maj=53.7km s-min=34.3km az=34.0.									
ISC	**VII**	**09 21 24 46.6–.00**	**31.65S–.10**	**179.6W–.20**	**300**	**3.3b**	**62**	**3-152**		
IDC	VII	09 21 24 03.3–1.2	30.58S	178.93W	0	3.7b,3.7				**¶620928285**
WEL	VII	09 21 24 50.6–1.2	32S–9.0	180W–19	271–21	4.7,4.7b				
ISC	Event type se.									
WEL	smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									
WEL	**VII**	**11 10 01 56.3–.91**	**32S–8.0**	**180W–20**	**312–14**	**4.8,4.4b**				**¶626186574**
WEL	smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									
ISC	**VII**	**11 14 54 47.0–.91**	**31.56S–.08**	**179.8W–.10**	**400**	**3.6b**	**38**	**3-150**		
IDC	VII	11 14 53 55.5–1.7	29.94S	178.34W	0	4.1b,4.1				**¶626186584**
WEL	VII	11 14 54 52.8–1.0	32S–7.0	180W–15	342–21	4.8,4.8b				
ISC	Event type se.									
WEL	smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									
IDC	**VII**	**12 16 51 18.3–3.8**	**27.90S**	**179.15W**	**0**	**3.7b,3.7**				**¶620928498**
IDC	Error ellipse: s-maj=239.5km s-min=36.8km az=161.0.									
ISC	**VII**	**13 04 17 02.0–.41**	**28.98S–.06**	**175.90W–.07**	**35**	**4.7b,3.7s**	**134**	**2-167**		
IDC	VII	13 04 16 57.8–.49	28.72S	176.04W	0	4.4b,4.4				**¶621112232**
NEIC	VII	13 04 16 58.2–1.5	28.8S–.10	176.0W–.20	10–1	4.7b,4.4				
ISC	Event type se.									
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.									
IDC	**VII**	**13 14 11 11.0–2.2**	**31.08S**	**179.11W**	**0**	**3.4b,3.4**				**¶620928538**
IDC	Error ellipse: s-maj=64.4km s-min=40.0km az=43.0.									
WEL	**VII**	**13 16 49 46.5–1.2**	**32S–32**	**179W–86**	**264–23**	**4.2,4.2**				**¶626186674**
WEL	smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.									
IDC	**VII**	**14 14 00 45.6–1.3**	**31.47S**	**179.65W**	**0**	**3.6b,3.6**				**¶620928599**
IDC	Error ellipse: s-maj=50.1km s-min=25.8km az=176.0.									
ISC	**VII**	**16 15 56 35.3–.30**	**29.35S–.05**	**176.17W–.05**	**10**	**5.2b,4.4s**	**289**	**2-172**		
IDC	VII	16 15 56 34.1–.44	29.19S	176.31W	0	4.6b,4.6				**¶621112241**
NEIC	VII	16 15 56 35.5	29.33S	176.20W	10	4.6b,4.6				
NEIC	VII	16 15 56 35.5–2.0	29.3S–.10	176.2W–.10	10–1	5.3b,4.6				
BJI	VII	16 15 56 35.9	29.01S	175.89W	15	5.6b,5.2b				
NEIC	VII	16 15 56 36	29.53S	175.74W	12	5.2,5.2b				
GFZ	VII	16 15 56 36.3–.19	29S–3.0	176W–4.0	10	5.3,4.9b				
NOU	VII	16 15 56 36.3	29.64S	175.99W	14	4.9b,4.9b				
GCMT	VII	16 15 56 39.8–.10	29.22S–.01	175.85W–.01	12	5.1W,4.9b				
ISC	Event type se.									
NEIC	Event type se.									
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.									
NEIC	Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.37 $M_{\theta\theta}$1.02 $M_{\phi\phi}$4.35 $M_{r\theta}$-1.52 $M_{\theta\phi}$1.73 $M_{\phi r}$7.20 NP1:ϕ_s37.14000°,δ21.64000°,λ-51.42000°. NP2:ϕ_s176.50000°,δ73.24000°,λ-103.90000°. Principal axes: T 8.2756,Plg27.0000°,Azm277.0000°; N 1.3609,Plg13.0000°,Azm181.0000°; P -9.6365,Plg59.0000°,Azm67.0000° $M_0$9.03000×10^{16}									
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.									
NOU	Kermadec Islands Region.									
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107161556A. Moment Tensor Solution. s71,c98; s143,c242; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.68±.08 $M_{\theta\theta}$0.62±.07; $M_{\phi\phi}$5.06±.06; $M_{r\theta}$-0.35±.28; $M_{\theta\phi}$0.95±.07; $M_{\phi r}$-1.69±.22; Best double couple: NP1:ϕ_s191.00000°,δ36.00000°,λ-90.00000°. NP2:ϕ_s12.00000°,δ54.00000°,λ-90.00000°. Principal axes: T 5.5190,Plg9.0000°,Azm102.0000°; N 0.4290,Plg0.0000°,Azm192.0000°; P -5.9460,Plg81.0000°,Azm282.0000° $M_0$5.73300×10^{16}									
IDC	**VII**	**16 18 21 22.6–1.8**	**27.62S**	**176.75W**	**0**	**3.7b,3.7**				**¶620928727**
IDC	Error ellipse: s-maj=53.1km s-min=35.0km az=39.0.									
ISC	**VII**	**16 23 03 36.1–1.4**	**31.8S–.30**	**178.6W–.30**	**45**	**4.0b**	**8**	**43-153**		
IDC	VII	16 23 03 30.6–1.3	31.98S	178.66W	0	4.1b,4.1				**¶620928737**
ISC	Event type se.									
IDC	Error ellipse: s-maj=45.5km s-min=33.3km az=45.0.									
IDC	**VII**	**17 11 47 50.8–5.4**	**29.35S**	**179.24W**	**0**	**3.9b,3.9**				**¶620928769**
IDC	Error ellipse: s-maj=230.1km s-min=85.0km az=165.0.									
IDC	**VII**	**18 03 31 37.2–1.9**	**31.33S**	**178.31W**	**0**	**4.0b,4.0**				**¶620928799**
IDC	Error ellipse: s-maj=52.1km s-min=33.3km az=39.0.									

WEL VII 18 09 36 41.7–1.0 32S–16 180E–41 358–23 4.6,4.3b
¶626186852
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 18 15 41 51.1–.68 28.7S–.10 178.1W–.10 100 4.0b 26 15-150
IDC VII 18 15 41 37.9–1.4 28.43S 177.89W 0 3.8b,3.8 **¶620928831**
NEIC VII 18 15 41 48.7–1.0 28.7S–.10 178.0W–.10 70–6 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 00 01 37.6–.54 29.79S–.06 176.64W–.08 10 4.4b,3.7s 63 1-152
IDC VII 19 00 01 36.1–.76 29.53S 176.73W 0 4.2b,4.2 **¶621112248**
NEIC VII 19 00 01 38.9–1.4 29.52S–.09 176.6W–.10 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 15 40 27.2–.94 28.91S–.08 177.9W–.20 35 4.3b 22 11-150
IDC VII 19 15 40 21.0–1.9 28.69S 177.77W 0 3.9b,3.9 **¶620928877**
NEIC VII 19 15 40 25.5–.91 28.94S–.08 177.9W–.10 18–5 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 19 16 56 07.8–4.5 30.39S 179.05W 0 3.5b,3.5
¶620928881
IDC Error ellipse: s-maj=195.4km s-min=68.6km az=161.0.
WEL VII 20 01 04 07.2–.94 31S–6.0 178E–10 10 4.8b,4.3L
¶626186935
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC VII 21 08 56 54.3–61 28.77S 179.65W 0 3.7b,3.7
¶620961646
IDC Error ellipse: s-maj=1097.0km s-min=180.7km az=95.0.
ISC VII 21 13 48 32.4–.65 27.74S–.06 179.54W–.10 500 3.9b 52 2-148
NEIC VII 21 13 48 32.9–1.4 27.5S–.10 179.7W–.10 483–15 3.9b **¶620842802**
IDC VII 21 13 48 33.4–2.4 27.51S 179.96W 471–27 4.4,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=13.1km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=18.2km az=118.0.
WEL VII 21 18 51 58.0–2.2 31S–30 179E–76 178–83 4.7,4.7
¶626187006
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 23 01 28 28.1–1.7 31.9S–.10 180.0E–.20 350 3.2b 33 3-146
IDC VII 23 01 27 45.3–2.1 31.07S 178.99W 0 3.6b,3.6 **¶620967881**
WEL VII 23 01 28 33.0–1.0 32S–25 180E–60 249–48 4.6,4.5L
ISC Event type se.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 21 21 22 39.3–1.4 27.8S–.20 178.1W–.20 350 3.4b 9 15-149
IDC VII 21 21 22 38.9–10 27.85S 178.10W 343–97 4.1,3.3b **¶620961683**
ISC Event type se.
IDC Error ellipse: s-maj=51.1km s-min=24.1km az=68.0.
ISC VII 23 16 32 22.0–.57 29.22S–.06 176.63W–.09 10 4.3b,3.9s 74 1-164
IDC VII 23 16 32 20.6–.66 29.01S 176.69W 0 4.3b,4.2 **¶621112260**
NEIC VII 23 16 32 24.4–2.7 29.3S–.10 176.9W–.20 10–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 23 21 02 56.6–1.5 28.9S–.40 176.1W–.20 10 4.2b 13 17-151
IDC VII 23 21 02 56.8–2.0 28.73S 176.35W 0 4.6L,4.2b **¶620967939**
ISC Event type se.
IDC Error ellipse: s-maj=79.0km s-min=33.7km az=163.0.
IDC VII 24 10 43 20.0–7.6 30.83S 176.60W 0 3.3b,3.3
¶620970209
IDC Error ellipse: s-maj=331.2km s-min=57.9km az=156.0.
ISC VII 24 12 51 29.2–.37 29.99S–.03 176.75W–.03 12–1 6.2s,5.6b 1279 1-172
NOU VII 24 12 51 27.6 30.10S 176.42W 15 5.8,5.6b **¶620845661**
BJI VII 24 12 51 27.0 30.10S 176.80W 5 6.5b,6.1s
NEIC VII 24 12 51 28.4–.84 29.93S–.04 176.9W–.10 10–1 6.2,6.2
NEIC VII 24 12 51 28.5 29.97S 176.93W 7 6.2,6.2
NEIC VII 24 12 51 28.4 29.94S 176.87W 10 6.2,6.2
MOS VII 24 12 51 28.8–1.4 29.90S 177.04W 10 6.0s,5.8b
IDC VII 24 12 51 28.0–.35 29.79S 177.03W 0 5.9s,5.3b
GFZ VII 24 12 51 29.3–.15 30S–3.0 177W–3.0 10 6.0,5.7b
IPGP VII 24 12 51 29.0 29.95S 176.90W 12 6.2W,5.7b
GFZ VII 24 12 51 30.1 30.07S 176.96W 18 6.1W,5.7b
PTWC VII 24 12 51 32 30.10S 176.40W 69 6.3,5.7b
GCMT VII 24 12 51 36.1–.00 29.88S 176.59W 12 6.1W,5.7b
NEIC VII 24 12 51 40.6 29.97S 176.46W 12 6.1,5.7b
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=6.1km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-0.84 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.38 $M_{\phi r}$1.73 NP1:ϕ_s22.96000°,δ75.17000°,λ88.48000°. NP2:ϕ_s208.86000°,δ14.91000°,λ95.71000°. Principal axes: T 2.1835,Plg60.0000°,Azm291.0000°; N -0.0676,Plg1.0000°,Azm23.0000°; P -2.1159,Plg30.0000°,Azm114.0000° $M_0$2.15000×10^{18}
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=10.2km s-min=7.6km az=107.5.
IDC Error ellipse: s-maj=14.4km s-min=13.4km az=122.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IPGP Moment Tensor Solution. NP1:ϕ_s200.00000°,δ21.00000°,λ97.00000°. NP2:ϕ_s13.00000°,δ69.00000°,λ87.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.44 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.32 $M_{r\theta}$0.34 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.89 NP1:ϕ_s183.39674°,δ28.40687°,λ79.41347°. NP2:ϕ_s15.39292°,δ62.11930°,λ95.67461°. Principal axes: T 1.7393,Plg72.2943°,Azm298.6838°; N -0.1008,Plg5.0141°,Azm192.7325°; P -1.6385,Plg16.9358°,Azm101.2016° $M_0$1.69117×10^{18}
PTWC KERMADEC ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107241251A. Moment Tensor Solution. s155,c345; s169,c647;Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}1.27±.01 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$-1.23±.01; $M_{r\theta}$0.27±.02; $M_{\theta\phi}$-0.40±.01; $M_{\phi r}$0.93±.01; Best double couple: NP1:ϕ_s197.00000°,δ27.00000°,λ90.00000°. NP2:ϕ_s17.00000°,δ63.00000°,λ90.00000°. Principal axes: T 1.5880,Plg72.0000°,Azm286.0000°; N 0.0800,Plg0.0000°,Azm17.0000°; P -1.6670,Plg18.0000°,Azm107.0000° $M_0$1.62700×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s1 Moment tensor: Scale 10^{18}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$-1.21 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.39 $M_{\phi r}$0.82 NP1:ϕ_s203.03000°,δ29.05000°,λ100.93000°. NP2:ϕ_s10.57000°,δ61.53000°,λ83.99000°. Principal axes: T 1.4684,Plg73.0000°,Azm266.0000°; N 0.0986,Plg5.0000°,Azm13.0000°; P -1.5670,Plg16.0000°,Azm105.0000° $M_0$1.52000×10^{18}
ISC VII 24 17 45 19.0–.61 28.78S–.10 176.9W–.10 10 4.3b,3.9s 49 10-153
NEIC VII 24 17 45 19.2–1.8 28.7S–.10 176.8W–.10 10–1 4.5b,3.9s **¶620970237**
IDC VII 24 17 45 28.3–8.5 28.58S 176.99W 80–70 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=17.3km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.9km s-min=22.0km az=77.0.
IDC VII 24 18 15 38.5–2.0 30.02S 176.97W 0 3.5b,3.5
¶620970239
IDC Error ellipse: s-maj=58.6km s-min=44.9km az=47.0.
ISC VII 24 18 39 07.0–1.3 28.7S–.30 177.4W–.20 54 4.0b 8 35-150
IDC VII 24 18 39 00.2–1.3 28.74S 177.37W 0 4.0b,4.0 **¶620970241**
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=33.7km az=12.0.
IDC VII 24 19 58 15.0–3.9 28.29S 177.51W 0 3.5b,3.5
¶620970245
IDC Error ellipse: s-maj=110.1km s-min=44.5km az=37.0.
ISC VII 24 20 09 20.7–.67 29.8S–.10 177.0W–.10 24 4.2b 30 13-154
IDC VII 24 20 09 16.9–.77 29.84S 177.09W 0 3.9b,3.9 **¶621112271**
NEIC VII 24 20 09 19.5–.23 29.7S–.10 177.1W–.10 10–2 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 24 20 18 39.8–7.2 27.64S 177.75W 0 3.4b,3.4
¶620970248
IDC Error ellipse: s-maj=328.1km s-min=109.8km az=162.0.
IDC VII 24 15 37 09.6–3.8 28.46S 177.46W 0 3.5b,3.5
¶620970231
IDC Error ellipse: s-maj=106.3km s-min=42.8km az=37.0.
ISC VII 24 20 37 03.3–1.0 31.40S–.08 179.2W–.10 450 4.0b 64 2-146
WEL VII 24 20 37 08.4–1.4 32S–8.0 179W–18 385–18 5.2,5.0b **¶620970251**
IDC VII 24 20 37 09.2–4.0 31.10S 179.93E 447–44 4.4,3.6b
ISC Event type se.
WEL Error ellipse: s-maj=23.8km s-min=9.4km az=103.2. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=31.1km s-min=22.4km az=61.0.
IDC VII 24 21 57 40.5–3.5 28.59S 177.50W 0 3.8b,3.8
¶620970257
IDC Error ellipse: s-maj=93.2km s-min=41.7km az=34.0.
ISC VII 24 22 22 05.9–1.5 30.4S–.10 176.8W–.20 10 4.2b 18 10-145
NEIC VII 24 22 22 07.3–1.0 30.4S–.10 176.9W–.20 10–2 4.5b **¶620970258**
IDC VII 24 22 22 50.1–11 29.67S 178.52W 348–103 4.0,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=7.9km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.9km s-min=30.3km az=72.0.
ISC VII 25 07 13 45.7–.53 29.66S–.04 176.96W–.05 34–1 5.2b,4.6s 714 1-172
NOU VII 25 07 13 39.0 30.09S 176.71W 0 5.2b,4.6s **¶621112276**
IDC VII 25 07 13 41.2–.38 29.47S 176.98W 0 5.0b,4.9
NEIC VII 25 07 13 42.2–1.1 29.52S–.10 177.0W–.10 10–1 5.2b,5.1
MOS VII 25 07 13 42.2–.95 29.49S 177.09W 13 5.4b,4.7s
BJI VII 25 07 13 45.5 28.97S 176.57W 35 5.7b,5.5s
GFZ VII 25 07 13 46.3–.16 30S–4.0 177W–3.0 36 5.1b,5.1
GCMT VII 25 07 13 48.3–.20 29.51S–.02 176.73W–.01 20–0 5.1W,5.1
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107250713A. Moment Tensor Solution. s78,c106; s116,c177;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.25±.18 $M_{\theta\theta}$-1.02±.11; $M_{\phi\phi}$-4.23±.11; $M_{r\theta}$1.32±.23; $M_{\theta\phi}$-1.19±.07; $M_{\phi r}$3.55±.19; Best double couple: NP1:ϕ_s197.00000°,δ26.00000°,λ88.00000°. NP2:ϕ_s19.00000°,δ64.00000°,λ91.00000°. Principal axes: T 6.5360,Plg71.0000°,Azm292.0000°; N -0.6290,Plg1.0000°,Azm199.0000°; P -5.9070,Plg19.0000°,Azm109.0000° $M_0$6.22200×10^{16}
IDC VII 24 13 59 04.7–4.0 29.84S 176.82W 0 3.7b,3.7
¶620970220
IDC Error ellipse: s-maj=208.2km s-min=63.7km az=169.0.
ISC VII 25 08 16 07.1–1.0 31.1S–.10 178.1W–.20 200 3.6b 13 14-152
IDC VII 25 08 16 08.2–4.5 31.04S 178.18W 208–38 4.2,3.3b **¶620973754**
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=21.6km az=123.0.
ISC VII 25 13 51 37.7–.54 30.11S–.05 176.74W–.06 11–2 4.9s,4.8b 293 1-169
BJI VII 25 13 51 35.1 30.12S 176.52W 3 5.6b,5.1s **¶620845932**
IDC VII 25 13 51 36.7–.44 29.99S 176.99W 0 4.7s,4.6b
NOU VII 25 13 51 37.9 30.19S 176.43W 30 5.0b,4.6b
GFZ VII 25 13 51 37.4–.19 30S–3.0 177W–4.0 10 4.9b,4.9
NEIC VII 25 13 51 38.2–2.1 29.98S–.09 176.8W–.10 10–1 4.8b,4.9
GCMT VII 25 13 51 42.5–.40 29.98S–.03 176.11W–.03 34–1 5.0W,4.9
ISC Event type se.
NOU Kermadec Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107251351A. Moment Tensor Solution. s31,c35; s69,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.44±.24 $M_{\theta\theta}$-0.86±.14; $M_{\phi\phi}$-2.58±.13; $M_{r\theta}$0.71±.13; $M_{\theta\phi}$-0.49±.09; $M_{\phi r}$1.81±.10; Best double couple: NP1:ϕ_s193.00000°,δ29.00000°,λ86.00000°. NP2:ϕ_s18.00000°,δ61.00000°,λ92.00000°. Principal axes: T 4.0050,Plg74.0000°,Azm294.0000°; N -0.7400,Plg2.0000°,Azm197.0000°; P -3.2690,Plg16.0000°,Azm106.0000° $M_0$3.63700×10^{16}
IDC VII 25 14 12 49.5–7.7 30.00S 176.67W 0 3.2b,3.2
¶620973770
IDC Error ellipse: s-maj=324.8km s-min=58.8km az=154.0.
ISC VII 25 10 17 01.1–.49 29.92S–.04 176.59W–.04 15–2 6.0s,5.4b 785 1-172
BJI VII 25 10 16 57.9 29.60S 176.30W 4 6.1b,5.9s **¶620845833**
NOU VII 25 10 16 58.8 30.17S 176.60W 2 5.3b,5.9s
IDC VII 25 10 16 59.4–.38 29.81S 176.84W 0 5.7s,4.8b
NEIC VII 25 10 17 00.5 29.75S 176.68W 10 5.7s,4.8b
NEIC VII 25 10 17 00.5–1.5 29.8S–.10 176.7W–.10 10–1 6.0,5.5b
MOS VII 25 10 17 00.2–.90 29.79S 176.86W 11 5.8s,5.5b
GFZ VII 25 10 17 01.2–.16 30S–3.0 177W–3.0 10 5.6,5.3b
GFZ VII 25 10 17 01.6 29.82S 176.72W 12 5.9W,5.3b
NEIC VII 25 10 17 04.7 30.15S 175.76W 18 5.7,5.3b
GCMT VII 25 10 17 09.5–.10 29.87S–.01 176.37W 12 5.8W,5.3b
PTWC VII 25 10 17 11 29.90S 176.90W 88 5.8,5.3b
ISC Event type se.
NOU Kermadec Islands Region.
IDC Error ellipse: s-maj=14.2km s-min=13.3km az=165.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=17.8km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.7km s-min=8.9km az=115.3.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.97 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-4.28 $M_{r\theta}$3.45 $M_{\theta\phi}$-0.86 $M_{\phi r}$7.98 NP1:ϕ_s186.71272°,δ14.63543°,λ75.22057°. NP2:ϕ_s21.96503°,δ75.85904°,λ93.81123°. Principal axes: T 10.1889,Plg58.9720°,Azm297.1967°; N -0.6026,Plg3.6956°,Azm201.0326°; P -9.5863,Plg30.7579°,Azm108.8297° $M_0$9.90137×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}4.25 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-4.17 $M_{r\theta}$0.19 $M_{\theta\phi}$-0.58 $M_{\phi r}$1.61 NP1:ϕ_s188.38000°,δ34.58000°,λ90.70000°. NP2:ϕ_s7.54000°,δ55.42000°,λ89.52000°. Principal axes: T 4.5486,Plg80.0000°,Azm276.0000°; N -0.0017,Plg0.0000°,Azm8.0000°; P -4.5469,Plg10.0000°,Azm98.0000° $M_0$4.55000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107251017A. Moment Tensor Solution. s141,c308; s167,c557;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.23±.03 $M_{\theta\theta}$-0.44±.03; $M_{\phi\phi}$-4.80±.03; $M_{r\theta}$1.45±.09; $M_{\theta\phi}$-1.44±.03; $M_{\phi r}$4.24±.08; Best double couple: NP1:ϕ_s195.00000°,δ25.00000°,λ87.00000°. NP2:ϕ_s18.00000°,δ65.00000°,λ91.00000°. Principal axes: T 6.8880,Plg70.0000°,Azm291.0000°; N -0.0100,Plg1.0000°,Azm198.0000°; P -6.8880,Plg20.0000°,Azm107.0000° $M_0$6.88800×10^{17}
PTWC KERMADEC ISLANDS REGION.
ISC VII 25 14 35 34.5–.47 29.94S–.08 176.79W–.09 24 4.7b 71 11-159
IDC VII 25 14 35 30.9–.53 29.91S 176.87W 0 4.4b,4.4 **¶621112282**
NEIC VII 25 14 35 32.9–1.3 29.93S–.09 176.6W–.10 10–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 25 16 07 37.3–.54 29.96S–.04 176.73W–.05 16–2 5.7s,5.2b 547 1-169
NOU VII 25 16 07 32.7 30.35S 176.50W 0 5.1b,5.2b **¶626067034**

BJI VII 25 16 07 33.9 29.47S 176.19W 4 5.9b,5.6s
IDC VII 25 16 07 35.0–.38 29.74S 176.83W 0 4.8b,4.7
MOS VII 25 16 07 35.6–1.2 29.82S 176.90W 10 5.6s,5.3b
NEIC VII 25 16 07 36.0–.95 29.9S–.10 176.7W–.10 10–1 5.8,5.5
GFZ VII 25 16 07 37.0–.21 30S–4.0 177W–4.0 10 5.2,5.2b
GCMT VII 25 16 07 41.6–.20 29.77S–.01 176.36W–.01 12 5.4W,5.2b
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107251607A. Moment Tensor Solution. s109,c171; s142,c258;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.59±.03 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$-1.53±.03; $M_{r\theta}$0.01±.07; $M_{\theta\phi}$-0.34±.03; $M_{\phi r}$0.85±.07; Best double couple: NP1: ϕ_s198.00000°,δ31.00000°,λ100.00000°. NP2:ϕ_s7.00000°,δ59.00000°,λ84.00000°. Principal axes: T 1.8110,Plg75.0000°,Azm261.0000°; N 0.0020,Plg5.0000°,Azm10.0000° ; P -1.8130,Plg14.0000°,Azm101.0000° $M_0$1.81200×10^{17}

ISC VII 25 16 09 51.8–.39 29.78S–.05 176.74W–.05 19–1 5.8s,5.2b 429 10-168
NOU VII 25 16 09 46.9 30.85S 176.78W 8 5.2b,5.2b **¶621112284**
IDC VII 25 16 09 48.2–.41 29.75S 176.81W 0 5.4s,4.8b
BJI VII 25 16 09 48.2 29.55S 176.37W 7 5.9b,5.6s
MOS VII 25 16 09 50.1–1.1 29.87S 176.87W 16 5.4s,5.4b
NEIC VII 25 16 09 50.5–1.4 29.83S–.09 176.7W–.10 10–1 5.8,5.6
GFZ VII 25 16 09 53.8–.25 30S–3.0 177W–3.0 33–1 5.5,5.3b
GFZ VII 25 16 09 53.8 29.79S 176.85W 24 5.6W,5.3b
GCMT VII 25 16 09 54.3–.10 29.69S–.01 176.36W–.01 12 5.6W,5.3b
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.98 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-2.51 $M_{r\theta}$0.56 $M_{\theta\phi}$-0.50 $M_{\phi r}$1.57 NP1: ϕ_s190.55820°,δ29.74477°,λ85.18824°. NP2:ϕ_s16.09590°,δ60.37056°,λ92.74423°. Principal axes: T 3.4457,Plg74.4778°,Azm293.3637°; N -0.3652,Plg2.3852°,Azm194.7384° ; P -3.0805,Plg15.3287°,Azm104.0842° $M_0$3.27840×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107251609A. Moment Tensor Solution. s118,c227; s154,c309;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.22±.03 $M_{\theta\theta}$-0.08±.03; $M_{\phi\phi}$-2.15±.02; $M_{r\theta}$0.82±.07; $M_{\theta\phi}$-0.64±.02; $M_{\phi r}$2.22±.07; Best double couple: NP1: ϕ_s192.00000°,δ22.00000°,λ83.00000°. NP2:ϕ_s19.00000°,δ68.00000°,λ93.00000°. Principal axes: T 3.2330,Plg67.0000°,Azm294.0000°; N 0.0930,Plg2.0000°,Azm198.0000° ; P -3.3340,Plg23.0000°,Azm107.0000° $M_0$3.28300×10^{17}

ISC VII 25 10 52 00.0–.99 28.1S–.20 176.0W–.10 10 4.4b 25 2-147
IDC VII 25 10 51 57.7–1.6 27.93S 175.78W 0 4.3b,4.2 **¶620973762**
NEIC VII 25 10 52 00.8–1.2 28.2S–.20 175.93W–.07 10–1 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 25 16 41 06.7–.97 30.0S–.10 177.0W–.20 10 4.3b 20 12-152
IDC VII 25 16 41 05.2–1.2 29.87S 176.77W 0 3.9b,3.9 **¶620973777**
NEIC VII 25 16 41 07.0–1.0 29.9S–.10 176.9W–.20 10–1 4.7b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VII 25 11 14 35.3–1.7 28.60S 177.43W 0 3.8b,3.8 ¶620973765

IDC Error ellipse: s-maj=54.5km s-min=42.0km az=26.0.

ISC VII 25 19 08 26.5–.85 29.66S–.09 176.9W–.20 10 4.5b 46 9-151
NEIC VII 25 19 08 25.9–2.1 29.6S–.10 176.7W–.20 10–2 4.5b **¶620913642**
IDC VII 25 19 08 25.9–.94 29.69S 177.08W 0 4.1b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=19.6km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.6km s-min=24.0km az=81.0.

ISC VII 25 19 33 08.3–1.2 29.8S–.10 177.0W–.20 10 4.0b 20 9-151
IDC VII 25 19 33 06.2–1.3 29.93S 176.93W 0 3.9b,3.9 **¶620973790**
NEIC VII 25 19 33 08.5–1.6 29.73S–.09 176.9W–.20 10–2 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 25 16 47 56.6–.77 28.7S–.10 177.3W–.10 54 4.2b 23 13-150
IDC VII 25 16 47 50.8–1.2 28.51S 177.40W 0 4.0b,4.0 **¶620973779**
NEIC VII 25 16 47 51.4–1.3 28.6S–.10 177.3W–.20 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VII 25 19 48 05.2–4.4 29.43S 176.75W 0 3.8b,3.8 ¶620973793

IDC Error ellipse: s-maj=188.8km s-min=67.8km az=159.0.

ISC VII 26 00 04 45.6–.30 29.73S–.05 176.64W–.06 10 4.7b,4.3s 235 1-168
IDC VII 26 00 04 44.6–.46 29.48S 176.91W 0 4.4b,4.4 **¶621112291**
NEIC VII 26 00 04 46.2–1.8 29.63S–.03 176.7W–.10 10–1 4.8b,4.4
GFZ VII 26 00 04 46.2–.20 30S–3.0 177W–4.0 10 4.8b,4.8
GCMT VII 26 00 04 51.8–.20 29.47S–.02 176.55W–.01 17–0 5.1W,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107260004A. Moment Tensor Solution. s76,c106; s123,c193;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.59±.16 $M_{\theta\theta}$-0.10±.10; $M_{\phi\phi}$-4.49±.11; $M_{r\theta}$0.29±.30; $M_{\theta\phi}$-0.92±.08; $M_{\phi r}$3.47±.27; Best double couple: NP1: ϕ_s196.00000°,δ27.00000°,λ97.00000°. NP2:ϕ_s7.00000°,δ63.00000°,λ86.00000°. Principal axes: T 5.7640,Plg71.0000°,Azm269.0000°; N 0.0590,Plg3.0000°,Azm9.0000° ; P -5.8280,Plg18.0000°,Azm100.0000° $M_0$5.79600×10^{16}

IDC VII 25 17 33 02.9–4.9 29.49S 176.95W 0 3.6b,3.6 ¶620973780

IDC Error ellipse: s-maj=274.6km s-min=71.4km az=165.0.

IDC VII 25 17 50 18.3–3.9 28.33S 177.28W 0 3.5b,3.5 ¶620973784

IDC Error ellipse: s-maj=108.7km s-min=38.8km az=38.0.

ISC VII 25 18 05 01.5–1.6 28.5S–.20 176.4W–.20 10 4.3b 18 10-151
NEIC VII 25 18 04 58.2–1.4 28.3S–.10 175.9W–.20 10–2 4.4b **¶621112287**
IDC VII 25 18 05 06.2–1.2 29.58S 177.20W 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=18.3km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.5km s-min=32.9km az=171.0.

IDC VII 26 01 02 23.6–2.0 29.14S 176.86W 0 3.7b,3.7 ¶620973804

IDC Error ellipse: s-maj=62.8km s-min=42.9km az=34.0.

IDC VII 26 05 25 53.5–2.1 28.41S 177.29W 0 3.9b,3.9 ¶620973812

IDC Error ellipse: s-maj=62.9km s-min=39.1km az=38.0.

ISC VII 26 05 56 11.1–1.7 30.1S–.30 179.0W–.30 200 3.4b 8 33-163
IDC VII 26 05 55 47.5–1.8 29.98S 178.71W 0 3.8s,3.7b **¶620973815**
ISC Event type se.
IDC Error ellipse: s-maj=53.0km s-min=30.2km az=42.0.

IDC VII 26 07 04 49.0–13 30.35S 179.84E 694–147 3.8,2.7b ¶620973821

IDC Error ellipse: s-maj=112.1km s-min=28.7km az=58.0.

ISC VII 26 07 08 49.4–1.2 28.5S–.30 178.4W–.20 200 4.0b 10 15-151
IDC VII 26 07 08 24.8–1.2 28.30S 178.01W 0 4.2b,4.2 **¶620973822**
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=33.9km az=13.0.

ISC VII 26 10 51 43.3–.48 29.66S–.08 176.72W–.09 10 4.5b,4.2s 55 10-157
IDC VII 26 10 51 41.6–.63 29.63S 176.66W 0 4.2b,4.2 **¶621112301**
NEIC VII 26 10 51 44.2–.96 29.7S–.10 176.7W–.20 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 26 09 08 54.3–1.8 28.4S–.30 177.5W–.30 54 4.0b 6 35-150
IDC VII 26 09 08 47.2–1.9 28.46S 177.39W 0 3.9b,3.9 **¶620973827**
ISC Event type se.
IDC Error ellipse: s-maj=53.3km s-min=36.9km az=30.0.

ISC VII 26 18 59 08.0–.97 30.6S–.10 176.7W–.20 10 4.4b 33 10-152
NEIC VII 26 18 59 07.6–1.7 30.5S–.10 176.6W–.20 10–1 4.6b **¶620973868**
IDC VII 26 18 59 50.9–9.8 29.21S 178.33W 333–87 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=9.2km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.8km s-min=23.8km az=60.0.

ISC VII 26 19 38 55.5–.92 29.4S–.10 177.0W–.20 31 4.4b,3.9s 30 12-153
NEIC VII 26 19 38 52.7–1.7 29.4S–.10 176.90W–.09 10–2 4.6b,3.9s **¶620973876**
IDC VII 26 19 39 05.5–6.1 29.61S 177.27W 112–49 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=9.9km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.5km s-min=25.7km az=98.0.

ISC VII 26 20 23 45.3–.40 29.52S–.08 176.75W–.08 10 4.7b,4.0s 89 13-164
IDC VII 26 20 23 44.4–.50 29.56S 176.89W 0 4.4b,4.3 **¶621112305**
NEIC VII 26 20 23 45.6–2.0 29.5S–.10 176.8W–.20 10–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 26 02 57 37.8–.37 29.63S–.06 176.88W–.08 10 4.9b,4.3s 223 10-168
IDC VII 26 02 57 36.4–.45 29.60S 176.97W 0 4.5b,4.5 **¶620846036**
GFZ VII 26 02 57 38.6–.31 30S–5.0 177W–6.0 10 5.0b,5.0
NEIC VII 26 02 57 38.1–2.4 29.70S–.08 176.8W–.10 10–1 4.9b,5.0
GCMT VII 26 02 57 43.9–.30 29.59S–.03 176.47W–.02 23–0 5.0W,5.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107260257A. Moment Tensor Solution. s47,c61; s85,c121; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.67±.20 $M_{\theta\theta}$-0.59±.12; $M_{\phi\phi}$-3.08±.12; $M_{r\theta}$0.39±.20; $M_{\theta\phi}$-0.54±.08; $M_{\phi r}$1.82±.15; Best double couple: NP1:ϕ_s191.00000°,δ31.00000° ,λ90.00000°. NP2:ϕ_s12.00000°,δ59.00000°,λ90.00000°. Principal axes: T 4.1430,Plg76.0000°,Azm283.0000°; N -0.4790,Plg0.0000°,Azm192.0000° ; P -3.6630,Plg14.0000°,Azm102.0000° $M_0$3.90300×10^{16}

IDC VII 26 21 05 42.6–4.2 29.63S 176.47W 0 3.8b,3.8 ¶620973880

IDC Error ellipse: s-maj=195.4km s-min=63.9km az=160.0.

ISC VII 26 16 29 45.5–.62 27.88S–.06 178.9W–.10 400 4.0b 55 2-92
NEIC VII 26 16 29 48.9–.49 27.6S–.10 178.9W–.20 436–11 4.1b **¶620973859**
IDC VII 26 16 29 49.5–8.6 27.39S 179.04W 447–133 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=19.0km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.9km s-min=22.0km az=13.0.

IDC VII 26 22 58 55.5–6.2 31.44S 178.88W 0 3.6b,3.6 ¶620973885

IDC Error ellipse: s-maj=284.6km s-min=53.9km az=159.0.

ISC VII 26 03 04 00.9–.61 29.70S–.08 176.9W–.10 10 4.4b 57 10-153
IDC VII 26 03 03 59.8–.71 29.52S 177.09W 0 4.2b,4.1 **¶621112295**
NEIC VII 26 03 04 01.4–2.1 29.79S–.10 176.8W–.20 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 26 23 01 28.6–2.0 30.7S–.10 180.0E–.30 400 27 7-145
IDC VII 26 23 00 36.0–7.6 31.08S 178.04W 0 3.4b,3.4 **¶620973886**
WEL VII 26 23 01 33.8–1.6 31S–17 180E–35 394–41 4.9,4.8L
ISC Event type se.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC VII 26 23 07 29.6–.85 30.2S–.10 176.6W–.10 10 4.6b,3.7s 39 9-154
IDC VII 26 23 07 28.0–.89 30.49S 176.71W 0 4.2b,4.2 **¶620973887**
NEIC VII 26 23 07 30.6–2.0 30.3S–.10 176.5W–.20 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VII 27 02 51 29.5–3.9 28.32S 177.36W 0 3.5b,3.5 ¶620978941

IDC Error ellipse: s-maj=111.4km s-min=44.0km az=36.0.

ISC VII 27 05 52 44.8–.66 31.57S–.07 179.9W–.10 400 3.5b 68 3-152
WEL VII 27 05 52 49.6–1.0 32S–7.0 180W–17 341–16 5.1,4.8b **¶620978945**
IDC VII 27 05 52 51.1–8.5 31.36S 179.58E 461–86 3.9,3.1b
ISC Event type se.
WEL Error ellipse: s-maj=22.6km s-min=6.0km az=107.3. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=49.2km s-min=29.5km az=50.0.

ISC VII 27 16 22 41.1–.40 29.76S–.07 176.81W–.08 24 4.8b,4.2s 96 10-168
GFZ VII 27 16 22 37.4–.35 30S–3.0 177W–5.0 10 4.4b,4.4 **¶620856935**
NEIC VII 27 16 22 39.9–1.6 29.73S–.07 176.9W–.10 10–1 4.9b,4.4
IDC VII 27 16 22 48.2–4.4 29.74S 176.95W 77–37 4.5,4.2b
ISC Event type se.
GFZ Error ellipse: s-maj=11.6km s-min=6.7km az=106.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=8.0km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.3km s-min=14.6km az=76.0.

IDC VII 26 18 39 18.9–5.7 29.00S 176.69W 0 3.4b,3.4 ¶620973866

IDC Error ellipse: s-maj=305.4km s-min=85.0km az=164.0.

IDC VII 28 00 02 48.2–5.7 29.80S 176.56W 0 4.0b,4.0 ¶620979587

IDC Error ellipse: s-maj=224.0km s-min=54.2km az=149.0.

IDC VII 27 13 57 17.0–3.6 28.66S 177.35W 0 3.8b,3.8 ¶620978964

IDC Error ellipse: s-maj=170.0km s-min=67.3km az=164.0.

IDC VII 28 20 24 36.7–2.3 31.61S 178.86W 0 3.6b,3.6 ¶620979634

IDC Error ellipse: s-maj=63.9km s-min=40.7km az=40.0.

ISC VII 29 03 18 02.1–1.4 31.5S–.20 178.7W–.20 61 4.0b 20 11-146
IDC VII 29 03 17 54.1–7.2 31.17S 178.65W 0 3.8b,3.8 **¶620984034**
NEIC VII 29 03 18 02.0–1.5 31.54S–.09 178.6W–.20 58–10 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 28 21 06 44.4–.29 30.85S–.03 179.73W–.04 365–2 5.0b 1064 2-175
MOS VII 28 21 06 43.7–1.9 30.73S 179.86W 357 5.3b **¶621112317**
GFZ VII 28 21 06 44.8–.46 31S–3.0 180W–4.0 358–6 5.0b,4.6
NEIC VII 28 21 06 44.4–1.6 30.77S–.09 179.7W–.10 356–4 5.2b,4.6
WEL VII 28 21 06 45.9–1.1 31S–8.0 179W–20 336–13 6.4,5.9b
NOU VII 28 21 06 45.3 30.96S 179.86W 371 5.2b,5.9b
IDC VII 28 21 06 46.1–1.1 30.76S 179.82W 374–10 5.2,4.5b
GCMT VII 28 21 06 48.3–.30 30.72S–.04 179.75W–.03 366–1 5.2W,4.5b
ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU Kermadec Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202107282106A. Moment Tensor Solution. s83,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.31±.22 $M_{\theta\theta}$-0.37±.40; $M_{\phi\phi}$5.68±.35; $M_{r\theta}$-3.40±.37; $M_{\theta r}$2.60±.35; $M_{\phi r}$1.18±.39; Best double couple: NP1:ϕ_s173.00000°,δ52.00000°,λ-130.00000°. NP2:ϕ_s47.00000°,δ53.00000°,λ-50.00000°. Principal axes: T 6.6440,Plg0.0000°,Azm111.0000° ; N 0.7870,Plg31.0000°,Azm201.0000°; P -7.4340,Plg59.0000°,Azm20.0000° $M_0$7.03900×10^{16}

IDC VII 28 21 47 41.6–4.1 28.25S 177.27W 0 3.5b,3.5 ¶620979636

IDC Error ellipse: s-maj=113.9km s-min=43.8km az=38.0.
ISC VII 29 09 01 51.7–.57 28.45S–.07 180.0W–.10 450 4.1b 79 2-149
IDC VII 29 09 01 00.1–1.3 27.54S 178.81W 0 4.2b,4.2 **¶620925350**
NEIC VII 29 09 01 51.0–1.7 28.49S–.06 180.0W–.20 435–8 4.1b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VII 29 22 13 45.9–8.0 27.97S 177.44W 0 3.4b,3.4 ¶620984147

IDC Error ellipse: s-maj=485.0km s-min=101.3km az=164.0.
ISC VII 29 13 18 36.4–1.7 29.4S–.30 177.0W–.30 31 3.9b 7 35-151
IDC VII 29 13 18 31.1–2.0 29.31S 176.94W 0 3.8b,3.8 **¶620984114**
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=34.8km az=31.0.

IDC VII 30 14 36 48.1–9.5 29.89S 176.84W 0 3.5b,3.5 ¶620986072

IDC Error ellipse: s-maj=409.7km s-min=59.1km az=155.0.

IDC VII 30 16 02 18.2–5.2 29.55S 176.72W 0 3.8s,3.3b ¶620986075

IDC Error ellipse: s-maj=326.5km s-min=70.3km az=165.0.
ISC VIII 02 02 06 18.7–1.6 30.7S–.30 179.9E–.30 550 3.5b 7 32-151
IDC VIII 02 02 06 20.8–19 30.82S 179.80E 567–197 4.0,3.0b **¶620993196**
ISC Event type se.
IDC Error ellipse: s-maj=157.6km s-min=25.5km az=55.0.
ISC VII 30 05 29 30.8–.59 27.40S–.09 176.3W–.20 10 4.2b 31 14-166
IDC VII 30 05 29 29.7–.78 27.43S 176.50W 0 4.3L,4.1 **¶621112322**
NEIC VII 30 05 29 31.1–1.3 27.41S–.07 176.3W–.20 10–1 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VII 30 21 27 12.0–9.2 30.21S 176.76W 0 3.3b,3.3 ¶620986094

IDC Error ellipse: s-maj=393.4km s-min=62.1km az=155.0.
ISC VII 30 21 03 58.2–1.9 27.7S–.30 176.7W–.30 34 4.2b 9 27-95
IDC VII 30 21 03 50.7–8.3 27.37S 176.40W 0 3.9b,3.9 **¶620925355**
ISC Event type se.
IDC Error ellipse: s-maj=214.8km s-min=32.8km az=36.0.
ISC VIII 01 02 00 30.3–1.7 28.8S–.30 177.8W–.30 35 4.4b 6 35-150
IDC VIII 01 02 00 25.0–1.4 28.85S 177.71W 0 4.3b,4.3 **¶620986166**
ISC Event type se.
IDC Error ellipse: s-maj=40.3km s-min=32.8km az=28.0.
ISC VIII 02 09 51 38.7–1.1 31.22S–.09 177.0W–.20 10 4.4b 28 9-156
NEIC VIII 02 09 51 36.6–2.3 31.15S–.09 176.7W–.20 10–2 4.5b **¶622451192**
IDC VIII 02 09 52 33.4–6.0 30.59S 179.32W 433–58 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=4.6km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.9km s-min=20.5km az=63.0.
ISC VIII 05 18 41 21.2–.42 28.40S–.07 176.34W–.09 29 4.4b,3.9s 69 12-167
IDC VIII 05 18 41 17.3–.53 28.32S 176.41W 0 4.2b,4.2 **¶620970777**
NEIC VIII 05 18 41 18.9–1.8 28.5S–.10 176.3W–.20 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 01 31 30.8–.85 30.4S–.10 179.7W–.10 500 4.5b 33 7-152
NEIC VIII 02 01 31 32.0–2.0 30.4S–.20 179.6W–.10 522–8 4.6b **¶620993193**
IDC VIII 02 01 31 35.8–10 30.23S 179.96E 535–85 4.7,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=18.2km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=135.5km s-min=33.6km az=143.0.

WEL VIII 05 19 01 32.2–1.2 32S–19 180W–50 406–21 4.6,4.3L ¶626187947

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 05 20 31 21.9–1.8 28.7S–.30 178.0W–.30 198 3.5b 6 35-150
IDC VIII 05 20 30 58.9–1.9 28.68S 177.73W 0 3.8b,3.8 **¶620998829**
ISC Event type se.
IDC Error ellipse: s-maj=52.7km s-min=35.0km az=35.0.

WEL VIII 09 09 49 09.3–.84 32S–9.0 180W–20 220–26 4.9b,4.7 ¶626188160

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.

IDC VIII 06 23 01 26.7–1.6 28.15S 176.48W 0 3.8b,3.8 ¶620998925

IDC Error ellipse: s-maj=48.7km s-min=39.0km az=43.0.

IDC VIII 10 13 32 14.9–7.0 31.73S 178.18W 0 3.5b,3.5 ¶621008118

IDC Error ellipse: s-maj=294.9km s-min=63.9km az=158.0.
ISC VIII 10 16 49 28.2–.92 31.6S–.10 178.2W–.20 10 4.3b 28 7-153
IDC VIII 10 16 49 27.6–1.1 31.71S 178.20W 0 4.1b,4.1 **¶621008126**
NEIC VIII 10 16 49 28.7–.91 31.7S–.10 178.2W–.10 10–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VIII 10 22 27 41.4–2.8 29.73S 176.84W 0 3.8b,3.8 ¶621008148

IDC Error ellipse: s-maj=80.3km s-min=42.0km az=35.0.
ISC VIII 11 01 54 50.4–1.6 31.4S–.30 178.6W–.30 61 4.2b 7 43-153
IDC VIII 11 01 54 43.2–1.4 31.61S 178.67W 0 4.2b,4.2 **¶621009312**
ISC Event type se.
IDC Error ellipse: s-maj=48.2km s-min=40.7km az=28.0.

IDC VIII 10 20 49 56.9–1.3 31.16S 178.31W 0 3.9b,3.9 ¶621008139

IDC Error ellipse: s-maj=37.8km s-min=32.8km az=27.0.

IDC VIII 13 11 15 52.0–5.0 31.00S 178.65E 0 3.4b,3.4 ¶621012133

IDC Error ellipse: s-maj=242.3km s-min=77.5km az=169.0.
ISC VIII 12 15 42 12.7–1.2 29.8S–.10 179.6W–.50 300 20 2-151
IDC VIII 12 15 41 34.7–1.7 28.92S 179.32W 0 3.8b,3.8 **¶621009423**
ISC Event type se.
IDC Error ellipse: s-maj=183.0km s-min=45.0km az=83.0.
ISC VIII 12 02 34 23.5–.89 27.1S–.10 178.5W–.20 200 4.2b 20 20-146
IDC VIII 12 02 33 56.5–6.7 27.03S 177.72W 0 4.1s,3.8b **¶621009374**
NEIC VIII 12 02 34 22.2–1.1 27.1S–.10 178.4W–.20 185–9 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 18 46 56.9–.33 27.25S–.04 176.61W–.04 24–2 5.4b,5.2s 807 2-170
NEIC VIII 13 18 46 54.7–1.9 27.47S–.07 177.03W–.08 18–3 5.5b,5.2 **¶620986268**
NEIC VIII 13 18 46 54.8 27.47S 177.04W 19 5.5b,5.2
IDC VIII 13 18 46 54.2–.34 27.02S 176.75W 0 5.0s,4.9b
BJI VIII 13 18 46 55.9 26.94S 176.45W 25 5.8b,5.5b
NEIC VIII 13 18 46 55.2 26.97S 175.91W 24 5.5,5.5b
MOS VIII 13 18 46 57.9–1.5 27.23S 176.74W 42 5.6b,5.2s
NOU VIII 13 18 46 58.9 27.34S 176.09W 64 5.2b,5.2s

GFZ VIII 13 18 46 58.1–.19 27S–3.0 177W–3.0 26–1 5.4,5.3W
GCMT VIII 13 18 47 02.7–.10 27.07S–.01 176.31W–.01 33–0 5.6W,5.3W
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.87 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$-1.48 $M_{r\theta}$0.35 $M_{\theta\phi}$-0.45 $M_{\theta r}$1.31 NP1:ϕ_s201.86000°,δ26.26000°,λ94.45000°. NP2:ϕ_s16.89000°,δ63.82000°,λ87.81000°. Principal axes: T 2.3297,Plg71.0000°,Azm282.0000°; N -0.2328,Plg2.0000°,Azm18.0000° ; P -2.0969,Plg19.0000°,Azm109.0000° $M_0$2.22000×10^{17}
NOU Kermadec Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131846A. Moment Tensor Solution. s132,c255; s146,c280;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.46±.04 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$-2.40±.03; $M_{r\theta}$0.47±.04; $M_{\theta\phi}$-0.50±.02; $M_{\phi r}$1.74±.04; Best double couple: NP1: ϕ_s189.00000°,δ27.00000°,λ86.00000°. NP2:ϕ_s14.00000°,δ63.00000°,λ92.00000°. Principal axes: T 3.0470,Plg72.0000°,Azm288.0000°; N 0.0360,Plg2.0000°,Azm193.0000° ; P -3.0850,Plg18.0000°,Azm102.0000° $M_0$3.06600×10^{17}

IDC VIII 13 19 34 15.6–2.0 31.03S 178.35W 0 3.9b,3.9 ¶621012208

IDC Error ellipse: s-maj=57.8km s-min=39.8km az=40.0.
IDC VIII 13 19 25 40.1–2.2 31.30S 178.90W 0 3.8b,3.8 ¶621012205

IDC Error ellipse: s-maj=57.9km s-min=41.0km az=34.0.
WEL VIII 14 15 27 00.0–1.5 32S–19 180E–23 435–46 4.6,4.5L ¶626188554

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

IDC VIII 18 13 52 04.3–2.3 31.68S 179.06W 0 3.6b,3.6 ¶621030378

IDC Error ellipse: s-maj=66.3km s-min=38.1km az=44.0.
ISC VIII 18 08 19 44.2–.52 28.78S–.09 176.7W–.10 10 4.4b,3.8s 68 11-164
NEIC VIII 18 08 19 44.4–2.4 28.8S–.10 176.6W–.10 10–1 4.6b,3.8s **¶621030356**
IDC VIII 18 08 19 53.9–7.2 28.72S 176.85W 91–61 4.2,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=17.0km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.3km s-min=17.1km az=66.0.
ISC VIII 18 20 41 41.3–1.0 31.88S–.08 179.9W–.20 350 3.2b 78 3-95
IDC VIII 18 20 40 56.2–7.7 30.50S 178.46W 0 4.6s,3.8b **¶621030416**
WEL VIII 18 20 41 46.8–.84 32S–12 180W–31 259–17 4.9,4.8b
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

WEL VIII 19 10 47 48.2–1.2 32S–26 180W–49 437–51 4.7,4.5b ¶626188876

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

IDC VIII 19 14 05 53.2–2.6 29.78S 176.80W 0 3.7b,3.7 ¶621039196

IDC Error ellipse: s-maj=77.0km s-min=40.8km az=36.0.

IDC VIII 20 09 12 57.6–1.5 27.86S 177.21W 0 3.9b,3.9 ¶621041259

IDC Error ellipse: s-maj=44.5km s-min=32.0km az=178.0.

IDC VIII 19 19 29 48.6–2.1 31.97S 178.81W 0 4.0b,4.0 ¶621039209

IDC Error ellipse: s-maj=61.0km s-min=39.9km az=39.0.

IDC VIII 19 12 15 39.7–3.5 29.91S 176.91W 0 3.7b,3.7 ¶621039186

IDC Error ellipse: s-maj=140.9km s-min=40.1km az=151.0.

IDC VIII 19 12 16 35.8–5.3 29.35S 176.89W 0 3.5b,3.5 ¶621039189

IDC Error ellipse: s-maj=315.1km s-min=74.9km az=165.0.
ISC VIII 19 12 21 05.9–1.3 29.6S–.30 176.8W–.30 10 4.1b 9 44-151
IDC VIII 19 12 21 05.2–1.2 29.76S 176.88W 0 3.9b,3.9 **¶621039191**
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=34.7km az=49.0.
ISC VIII 22 03 49 36.8–.99 30.2S–.10 176.8W–.20 24 4.3b 25 8-153
IDC VIII 22 03 49 33.8–1.0 30.11S 176.90W 0 4.0b,4.0 **¶621237550**
NEIC VIII 22 03 49 34.9–2.3 30.2S–.10 176.7W–.20 10–2 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VIII 20 17 54 29.6–6.8 28.26S 177.67W 0 3.2b,3.2 ¶621041300

IDC Error ellipse: s-maj=360.2km s-min=98.7km az=163.0.
ISC VIII 22 04 34 16.5–1.2 29.0S–.20 179.2W–.30 500 3.5b 8 42-148
IDC VIII 22 04 34 15.3–18 29.01S 179.25W 481–198 3.9,3.1b **¶621043055**
ISC Event type se.
IDC Error ellipse: s-maj=96.4km s-min=24.9km az=58.0.

IDC VIII 22 11 22 56.3–4.4 27.95S 177.32W 0 3.6b,3.6 ¶621043079

IDC Error ellipse: s-maj=122.8km s-min=43.2km az=37.0.

WEL VIII 27 02 00 49.1–1.6 32S–28 180E–38 398–75 4.5,4.3L ¶626189491

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

IDC VIII 23 15 51 21.4–3.5 28.86S 177.52W 0 3.8b,3.8 ¶621049254

IDC Error ellipse: s-maj=92.3km s-min=34.8km az=36.0.

IDC VIII 25 08 49 30.9–7.5 27.45S 178.45W 0 3.9b,3.9 ¶621058919

IDC Error ellipse: s-maj=191.0km s-min=39.7km az=38.0.
ISC VIII 25 19 11 59.3–.45 31.05S–.04 179.95E–.08 400 4.0b 148 3-159
IDC VIII 25 19 11 57.8–2.2 31.35S 179.94W 393–21 4.4,3.4b **¶621007377**
NEIC VIII 25 19 12 00.0–1.7 31.2S–.10 179.9W–.20 404–7 4.2b,3.4b
WEL VIII 25 19 12 06.3–1.1 32S–6.0 179W–15 346–19 5.2,5.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

IDC VIII 22 12 35 15.2–5.6 29.87S 176.77W 0 3.6b,3.6 ¶621043086

IDC Error ellipse: s-maj=288.6km s-min=37.7km az=158.0.
ISC VIII 23 08 57 58.5–.43 30.24S–.05 176.73W–.07 10 4.5b,3.6s 122 1-163
NEIC VIII 23 08 57 58.3–1.1 30.29S–.08 176.57W–.08 10–1 4.8b,3.6s **¶621000181**
IDC VIII 23 08 57 58.4–.53 30.01S 176.87W 0 4.3L,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=7.8km az=324.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.4km s-min=18.5km az=62.0.

WEL VIII 24 15 57 17.1–1.3 31S–26 180W–51 332–60 4.6,4.3L ¶626189276

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

IDC VIII 28 04 05 32.8–4.3 28.42S 178.79W 0 3.6b,3.6 ¶621073086

IDC Error ellipse: s-maj=270.3km s-min=49.5km az=162.0.
ISC VIII 31 03 46 32.9–1.5 28.74S–.09 177.5W–.20 54 4.2b 23 1-144
NEIC VIII 31 03 46 26.5–1.6 28.75S–.09 177.13W–.07 10–1 4.4b **¶621076569**
IDC VIII 31 03 46 27.4–3.5 28.71S 177.61W 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=5.1km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=93.6km s-min=36.4km az=36.0.

IDC VIII 29 03 23 27.9–3.5 28.24S 177.44W 0 3.5b,3.5 ¶621073146

IDC Error ellipse: s-maj=189.7km s-min=50.0km az=159.0.
ISC VIII 30 23 14 03.2–.32 30.20S–.04 179.05W–.06 250 4.5b 330 1-171
NEIC VIII 30 23 14 04.6–1.6 30.20S–.08 179.0W–.10 263–6 4.6b ¶621237591
IDC VIII 30 23 14 05.6–2.1 29.97S 179.09W 271–18 4.7,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=11.5km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.7km s-min=12.2km az=92.0.
IDC VIII 31 03 52 37.9–5.3 27.56S 178.45W 0 3.6b,3.6
¶621076571
IDC Error ellipse: s-maj=267.4km s-min=58.7km az=158.0.
IDC VIII 31 07 47 05.8–3.8 28.64S 177.37W 0 3.6b,3.6
¶621076591
IDC Error ellipse: s-maj=107.2km s-min=43.0km az=37.0.
IDC VIII 31 08 42 10.8–3.7 28.67S 177.47W 0 4.2s,3.5b
¶621076595
IDC Error ellipse: s-maj=104.9km s-min=39.2km az=39.0.
IDC VIII 31 03 09 11.9–5.6 28.70S 177.47W 0 3.6b,3.6
¶621076562
IDC Error ellipse: s-maj=256.5km s-min=89.3km az=163.0.
IDC VIII 31 03 12 20.8–3.9 28.56S 177.53W 0 3.7b,3.7
¶621076563
IDC Error ellipse: s-maj=109.8km s-min=39.9km az=38.0.
ISC VIII 31 03 19 37.7–.71 28.81S–.09 178.3W–.10 10 4.2b 33 1-152
IDC VIII 31 03 19 37.4–.99 28.53S 178.70W 0 4.3b,4.3 ¶621076564
NEIC VIII 31 03 19 38.7–1.4 28.88S–.08 178.2W–.10 10–1 4.3b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 31 10 23 31.6–4.2 27.41S 177.83W 0 3.6b,3.6
¶621076605
IDC Error ellipse: s-maj=109.1km s-min=37.0km az=35.0.
IDC VIII 31 03 29 05.7–4.2 27.88S 179.59E 0 3.7b,3.7
¶621076565
IDC Error ellipse: s-maj=243.2km s-min=82.3km az=171.0.
WEL IX 01 21 09 19.0–.94 31S–21 180E–59 253–41 4.7,4.5b
¶626465634
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC VIII 31 19 58 15.9–3.9 28.44S 177.22W 0 3.5b,3.5
¶621076635
IDC Error ellipse: s-maj=109.0km s-min=44.4km az=37.0.
IDC VIII 31 20 51 41.7–4.4 28.96S 177.42W 0 3.9b,3.9
¶621076643
IDC Error ellipse: s-maj=242.4km s-min=51.6km az=161.0.
ISC VIII 31 15 57 44.7–1.4 28.8S–.20 177.4W–.20 10 4.3b 20 1-144
IDC VIII 31 15 57 43.4–3.2 28.84S 177.48W 0 4.1b,4.1 ¶621076621
NEIC VIII 31 15 57 45.2–.67 28.9S–.10 177.4W–.20 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 31 16 08 01.3–5.6 28.76S 177.25W 0 3.5b,3.5
¶621076624
IDC Error ellipse: s-maj=254.0km s-min=88.8km az=163.0.
IDC VIII 31 16 19 24.9–3.9 28.54S 177.31W 0 3.4b,3.4
¶621076625
IDC Error ellipse: s-maj=110.7km s-min=44.2km az=37.0.
IDC IX 02 00 10 55.9–4.1 28.15S 176.43W 0 3.7b,3.7
¶621080648
IDC Error ellipse: s-maj=115.5km s-min=44.7km az=36.0.
WEL IX 02 12 33 48.9–1.6 32S–42 180W–83 524–50 4.1L,3.9
¶626465747
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 02 23 20 19.5–.43 30.25S–.04 176.89W–.04 11–2 5.2b,4.8s 524 1-169
MOS IX 02 23 20 18.7–.97 30.10S 177.14W 10 5.4b,4.8s ¶621024219
BJI IX 02 23 20 18.8 29.82S 176.63W 16 5.6b,5.3b
IDC IX 02 23 20 18.1–.40 30.05S 176.93W 0 4.8b,4.7
NEIC IX 02 23 20 19.7–1.6 30.08S–.09 177.0W–.10 10–1 5.2b,4.7
GFZ IX 02 23 20 20.2–.22 30S–3.0 177W–4.0 10 5.1b,5.1
GCMT IX 02 23 20 23.8–.20 30.02S–.01 176.52W–.01 12 5.2W,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109022320A. Moment Tensor Solution. s77,c119; s123,c204;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.98±.09 $M_{\theta\theta}$-0.36±.09; $M_{\phi\phi}$-4.62±.08; $M_{r\theta}$1.47±.28; $M_{\theta\phi}$-0.85±.08; $M_{\phi r}$4.79±.24; Best double couple: NP1: ϕ_s187.00000°,δ22.00000°,λ82.00000°. NP2:ϕ_s15.00000°,δ68.00000°,λ93.00000°. Principal axes: T 7.1070,Plg67.0000°,Azm291.0000°; N -0.2280,Plg3.0000°,Azm194.0000° ; P -6.8810,Plg23.0000°,Azm103.0000° $M_0$6.99400×10^{16}
ISC IX 02 20 54 56.9–.54 30.26S–.05 176.97W–.09 24 4.7b,4.3s 108 1-172
IDC IX 02 20 54 52.8–.68 30.15S 176.71W 0 4.4,4.3b ¶621080703
NEIC IX 02 20 54 54.8–1.6 30.08S–.07 176.9W–.10 10–1 4.8b,4.3b
GCMT IX 02 20 54 58.1–.50 30.15S–.04 176.43W–.04 20–1 4.8W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109022054A. Moment Tensor Solution. s24,c27; s69,c85; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.11±.18 $M_{\theta\theta}$-0.73±.12; $M_{\phi\phi}$-1.38±.11; $M_{r\theta}$0.42±.23; $M_{\theta\phi}$-0.84±.07; $M_{\phi r}$1.15±.19; Best double couple: NP1:ϕ_s220.00000°,δ30.00000° ,λ101.00000°. NP2:ϕ_s28.00000°,δ60.00000°,λ84.00000°. Principal axes: T 2.4630,Plg74.0000°,Azm281.0000°; N -0.1810,Plg6.0000°,Azm31.0000° ; P -2.2830,Plg15.0000°,Azm122.0000° $M_0$2.37300×10^{16}
ISC IX 03 10 43 17.7–1.6 30.0S–.20 176.8W–.20 24 4.2b 19 1-152
IDC IX 03 10 43 14.3–1.5 29.97S 176.82W 0 4.0b,4.0 ¶621081563
NEIC IX 03 10 43 16.4–.36 30.05S–.07 176.8W–.20 10–2 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 02 18 57 37.2–3.8 28.41S 177.69W 0 3.7b,3.7
¶621080699
IDC Error ellipse: s-maj=99.0km s-min=42.1km az=35.0.
ISC IX 03 17 52 53.9–.64 28.45S–.06 177.9W–.10 10 4.4b,3.8s 45 1-160
IDC IX 03 17 52 54.3–.87 27.59S 178.06W 0 4.2b,4.2 ¶621240943
NEIC IX 03 17 52 54.6–1.5 28.46S–.04 177.9W–.20 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 04 22 00 25.0–1.6 28.9S–.30 177.6W–.30 57 3.9b 7 35-152
IDC IX 04 22 00 17.6–1.7 28.89S 177.54W 0 3.9b,3.9 ¶621081656
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=37.0km az=28.0.
ISC IX 04 14 41 42.6–.48 28.78S–.09 176.84W–.07 36 4.3b,3.8s 44 1-153
NEIC IX 04 14 41 44.7–1.6 28.84S–.04 176.92W–.08 46–9 4.7b,3.8s ¶621081637
IDC IX 04 14 41 47.8–4.3 28.70S 176.98W 84–37 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.2km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.8km s-min=18.3km az=145.0.
ISC IX 04 17 37 46.8–2.6 28.9S–.70 176.9W–.40 36 3.3b 9 44-151
IDC IX 04 17 37 44.1–3.4 28.52S 177.24W 0 3.6b,3.6 ¶621240950
ISC Event type se.
IDC Error ellipse: s-maj=155.8km s-min=38.7km az=154.0.
ISC IX 04 22 32 02.6–.73 31.41S–.07 179.6W–.10 100 4.1b 66 3-152
IDC IX 04 22 31 45.8–1.7 30.88S 178.75W 0 4.0b,4.0 ¶621081658
WEL IX 04 22 32 02.1–.88 32S–6.0 178W–18 20 5.0b,4.7
NEIC IX 04 22 32 03.2–.65 31.5S–.10 179.4W–.20 111–12 4.0b,4.7

ISC Event type se.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 06 02 10 12.5–1.1 28.7S–.20 178.2W–.20 200 3.9b 8 18-150
IDC IX 06 02 09 48.6–1.2 28.54S 177.82W 0 4.2b,4.2 ¶621094220
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=29.6km az=160.0.
ISC IX 05 20 41 51.3–.55 28.82S–.09 176.70W–.09 50 4.5b 48 1-157
NEIC IX 05 20 41 52.6–1.3 28.8S–.10 176.8W–.10 55–8 4.7b ¶621240958
IDC IX 05 20 41 55.4–4.4 28.67S 176.77W 85–37 4.2,4.1s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=14.7km az=158.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=18.8km az=109.0.
ISC IX 05 17 09 33.6–1.1 28.6S–.30 177.4W–.20 54 3.8b 12 12-152
IDC IX 05 17 09 26.1–1.1 28.55S 177.33W 0 3.8b,3.8 ¶621086415
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=33.5km az=164.0.
ISC IX 06 16 03 18.7–.63 28.48S–.09 177.1W–.10 50 4.5b,3.6s 52 1-156
NEIC IX 06 16 03 20.3–1.6 28.5S–.10 177.2W–.20 60–6 4.6b,3.6s ¶621240962
IDC IX 06 16 03 24.7–4.8 28.27S 177.36W 104–39 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=12.6km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.9km s-min=20.4km az=112.0.
ISC IX 07 04 36 34.4–.61 29.92S–.08 176.75W–.09 24 4.6b,3.7s 41 1-152
IDC IX 07 04 36 30.9–.76 29.84S 176.67W 0 4.0b,4.0 ¶621240964
NEIC IX 07 04 36 33.1–1.2 29.93S–.09 176.73W–.07 10–1 4.8b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 05 07 00.3–.93 30.2S–.10 176.5W–.10 24 4.2b 26 2-152
IDC IX 12 05 06 57.1–1.2 30.11S 176.49W 0 3.9b,3.9 ¶621240986
NEIC IX 12 05 06 58.6–.68 30.3S–.10 176.3W–.10 10–2 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 07 11 10 42.6–6.3 28.16S 176.82W 0 3.6b,3.6
¶621094319
IDC Error ellipse: s-maj=301.4km s-min=96.5km az=163.0.
ISC IX 09 15 29 20.6–2.1 27.8S–.30 177.6W–.30 150 3.9b 6 35-83
IDC IX 09 15 29 01.5–2.2 27.57S 177.29W 0 4.2b,4.2 ¶621105890
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=33.6km az=51.0.
ISC IX 07 13 05 54.0–.50 30.03S–.07 176.57W–.09 24 4.4b,4.0s 58 1-152
IDC IX 07 13 05 49.7–.76 29.82S 176.59W 0 4.1b,4.1 ¶621240966
NEIC IX 07 13 05 52.7–1.4 30.06S–.10 176.5W–.10 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 07 13 30 15.0–3.1 28.35S 177.35W 0 3.7b,3.7
¶621094328
IDC Error ellipse: s-maj=94.6km s-min=43.0km az=38.0.
IDC IX 07 22 10 21.8–1.7 31.21S 178.53W 0 3.9b,3.9
¶621094339
IDC Error ellipse: s-maj=51.5km s-min=37.7km az=40.0.
ISC IX 10 12 14 15.7–.73 29.1S–.10 176.2W–.10 10 4.3b,3.7s 36 1-151
NEIC IX 10 12 14 14.9–1.1 29.06S–.06 176.0W–.10 10–1 4.3b,3.7s ¶621240974
IDC IX 10 12 14 15.5–1.0 29.07S 176.35W 0 4.1b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=10.4km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.0km s-min=25.4km az=161.0.
ISC IX 12 05 19 33.9–.99 30.2S–.10 176.4W–.20 10 4.2b 29 2-152
IDC IX 12 05 19 32.8–1.1 30.15S 176.42W 0 4.2L,4.1 ¶621109635
NEIC IX 12 05 19 34.6–.47 30.2S–.20 176.4W–.20 10–2 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 12 22 32 26.0–6.7 28.61S 176.53W 0 4.7s,3.9b
¶621109682
IDC Error ellipse: s-maj=362.7km s-min=51.5km az=158.0.
IDC IX 12 08 43 17.6–4.2 28.11S 177.10W 0 3.5b,3.5
¶621109642
IDC Error ellipse: s-maj=118.9km s-min=44.0km az=37.0.
ISC IX 15 19 57 54.0–1.2 27.6S–.20 177.9W–.20 35 4.2b 14 15-151
IDC IX 15 19 57 46.6–1.1 27.82S 177.49W 0 4.2b,4.2 ¶621081277
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=32.1km az=16.0.
ISC IX 12 16 12 27.7–.92 29.1S–.10 177.0W–.10 36 4.4b,3.8s 31 1-151
IDC IX 12 16 12 22.1–1.2 29.11S 176.90W 0 4.1,4.0b ¶621109666
NEIC IX 12 16 12 28.1–.74 29.1S–.10 176.9W–.10 35–2 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 15 12 44 13.4–.79 28.17S–.04 177.57W–.07 16–4 5.0b,4.1s 278 1-167
NOU IX 15 12 44 08.1 28.08S 176.47W 33 5.2b,4.1s ¶621076730
BJI IX 15 12 44 10.5 28.00S 177.42W 6 5.3b,4.1s
IDC IX 15 12 44 10.9–.48 28.06S 177.73W 0 4.6b,4.5
NEIC IX 15 12 44 13.1–1.5 28.18S–.04 177.7W–.20 10–1 5.1b,4.5
GFZ IX 15 12 44 14.0–.45 28S–5.0 178W–7.0 18 5.5b,5.0b
GCMT IX 15 12 44 16.3–.30 28.11S–.02 177.76W–.03 18–0 5.0W,5.0b
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109151244A. Moment Tensor Solution. s34,c39; s93,c133; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.91±.21 $M_{\theta\theta}$2.17±.14; $M_{\phi\phi}$1.74±.13; $M_{r\theta}$-0.04±.29; $M_{\theta\phi}$1.86±.08; $M_{\phi r}$0.05±.29; Best double couple: NP1:ϕ_s49.00000°,δ45.00000° ,λ-89.00000°. NP2:ϕ_s227.00000°,δ45.00000°,λ-91.00000°. Principal axes: T 3.8270,Plg0.0000°,Azm318.0000°; N 0.0840,Plg1.0000°,Azm228.0000° ; P -3.9110,Plg89.0000°,Azm52.0000° $M_0$3.86900×10^{16}
ISC IX 14 18 05 17.8–1.1 28.3S–.10 177.2W–.20 48 4.1b 18 1-147
IDC IX 14 18 05 11.9–1.8 28.38S 177.22W 0 3.9b,3.9 ¶621110842
NEIC IX 14 18 05 13.1–1.9 28.3S–.10 177.0W–.20 12–7 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 15 06 33 45.7–1.0 31.56S–.09 179.9E–.10 400 33 3-146
IDC IX 15 06 32 57.8–7.9 31.06S 179.11W 0 3.5b,3.5 ¶621111972
WEL IX 15 06 33 48.8–1.2 32S–7.0 180W–17 369–17 5.0,4.6
ISC Event type se.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 12 20 59 58.1–.92 31.81S–.08 178.9W–.20 10 4.3b 27 3-150
IDC IX 12 20 59 53.7–1.2 31.25S 178.34W 0 4.3b,4.3 ¶621109676
WEL IX 12 20 59 56.9–.94 32S–7.0 178W–19 10 5.0b,4.6
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IX 15 20 14 51.6–.33 28.22S–.06 177.62W–.06 10 5.0b,4.7s 209 10-167
NEIC IX 15 20 14 52.6–1.5 28.21S–.07 177.8W–.10 10–1 5.0b,4.7s ¶622452113
NEIC IX 15 20 14 52.7 28.22S 177.77W 10 5.0b,4.7s
NEIC IX 15 20 14 53.2 28.12S 177.43W 18 5.4,4.7s
NOU IX 15 20 14 55.3 28.36S 177.10W 63 5.0b,4.7s

GCMT IX 15 20 14 56.4–.10 28.14S–.01 177.78W–.01 12 5.4W,4.7s
IDC IX 15 20 14 57.4–4.0 28.09S 177.84W 51–34 4.7s,4.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=12.3km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.48 $M_{\theta\theta}$0.47 $M_{\phi\phi}$1.01 $M_{r\theta}$0.07 $M_{\theta\phi}$0.75 $M_{\phi r}$0.10 NP1:ϕ_s35.05000°,δ42.67000°,λ-90.05000°. NP2:ϕ_s215.12000°,δ47.33000°,λ-89.95000°. Principal axes: T 1.5420,Plg2.0000°,Azm305.0000°; N -0.0563,Plg0.0000°,Azm35.0000°; P -1.4857,Plg88.0000°,Azm126.0000° $M_0$1.51000×10^{17}
NOU Kermadec Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109152014A. Moment Tensor Solution. s79,c131; s145,c261;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.33±.02 $M_{\theta\theta}$0.52±.02; $M_{\phi\phi}$0.81±.02; $M_{r\theta}$-0.22±.06; $M_{\theta\phi}$0.67±.01; $M_{\phi r}$0.13±.06; Best double couple: NP1:ϕ_s208.00000°,δ45.00000°,λ-105.00000°. NP2:ϕ_s49.00000°,δ47.00000°,λ-75.00000°. Principal axes: T 1.3490,Plg1.0000°,Azm129.0000°; N 0.0320,Plg11.0000°,Azm219.0000°; P -1.3770,Plg79.0000°,Azm35.0000° $M_0$1.36300×10^{17}
IDC Error ellipse: s-maj=18.2km s-min=14.7km az=88.0.
ISC IX 15 20 22 59.3–.67 27.8S–.20 178.0W–.20 35 4.2b 16 35-151
IDC IX 15 20 22 53.8–.74 27.80S 177.91W 0 4.1b,4.1 **¶621112009**
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=21.9km az=35.0.
ISC IX 16 04 25 33.5–1.0 28.02S–.08 177.7W–.20 10 3.9b 18 1-91
NEIC IX 16 04 25 33.0–1.6 27.97S–.05 177.6W–.10 10–2 4.2b **¶621112869**
IDC IX 16 04 25 33.3–1.6 28.23S 177.64W 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=6.5km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.5km s-min=32.3km az=8.0.
ISC IX 15 23 32 36.5–.44 30.11S–.05 179.02W–.09 200 4.3b 101 1-163
NEIC IX 15 23 32 35.4–1.5 29.97S–.09 178.9W–.10 185–6 4.5b **¶621241004**
IDC IX 15 23 32 42.6–2.8 29.93S 179.18W 248–24 4.4,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=13.5km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=16.4km az=112.0.
ISC IX 16 04 26 01.9–.55 28.40S–.07 177.8W–.10 10 4.5b 39 1-156
NEIC IX 16 04 26 02.5–1.3 28.40S–.03 177.7W–.10 10–1 4.7b **¶621112872**
IDC IX 16 04 26 13.2–4.7 28.17S 178.05W 112–40 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=5.8km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=18.0km az=78.0.
IDC IX 16 15 23 55.0–3.6 28.88S 177.52W 0 3.5b,3.5
¶621112896
IDC Error ellipse: s-maj=104.1km s-min=44.7km az=37.0.
ISC IX 16 00 06 08.2–.35 28.03S–.07 177.46W–.07 10 4.9b,4.2s 161 11-167
BJI IX 16 00 06 07.4 27.91S 177.33W 16 5.5b,5.0b **¶621241005**
NEIC IX 16 00 06 09.5–1.3 28.01S–.09 177.5W–.10 21–4 5.0b,5.0b
GFZ IX 16 00 06 11.2–.34 28S–4.0 178W–4.0 17–2 6.4b,6.1
GCMT IX 16 00 06 13.6–.30 28.03S–.02 177.61W–.02 12 5.0W,6.1
IDC IX 16 00 06 21.4–4.0 28.10S 177.88W 109–34 4.6,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=12.8km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.0km s-min=8.1km az=54.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109160006A. Moment Tensor Solution. s42,c56; s102,c138; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.31±.10 $M_{\theta\theta}$1.14±.11; $M_{\phi\phi}$2.17±.10; $M_{r\theta}$2.06±.39; $M_{\theta\phi}$1.90±.08; $M_{\phi r}$-0.44±.32; Best double couple: NP1:ϕ_s15.00000°,δ43.00000°,λ-128.00000°. NP2:ϕ_s242.00000°,δ58.00000°,λ-61.00000°. Principal axes: T 3.7550,Plg8.0000°,Azm311.0000°; N 0.5630,Plg25.0000°,Azm45.0000°; P -4.3180,Plg64.0000°,Azm204.0000° $M_0$4.03700×10^{16}
IDC Error ellipse: s-maj=16.9km s-min=14.1km az=81.0.
ISC IX 16 05 07 44.7–.64 28.6S–.10 178.3W–.10 150 4.3b 45 11-151
IDC IX 16 05 07 41.9–4.6 28.11S 178.12W 130–39 4.3,3.9b **¶621081697**
NEIC IX 16 05 07 46.8–.68 28.94S–.07 178.4W–.20 147–11 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 16 10 30.3–.92 28.0S–.20 177.9W–.20 35 4.1b 8 11-151
IDC IX 17 16 10 24.8–.96 27.96S 177.83W 0 4.2b,4.2 **¶621112971**
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=28.2km az=30.0.
IDC IX 16 18 07 26.5–4.4 27.86S 176.92W 0 3.8b,3.8
¶621112905
IDC Error ellipse: s-maj=122.2km s-min=43.4km az=36.0.
IDC IX 16 18 30 32.9–7.4 28.52S 176.72W 0 3.4b,3.4
¶621112906
IDC Error ellipse: s-maj=478.2km s-min=90.4km az=164.0.
ISC IX 17 16 50 45.1–.39 28.19S–.06 177.59W–.07 35 5.0b,4.8s 187 10-165
GFZ IX 17 16 50 37.4–.28 28S–3.0 177W–5.0 10 5.5b,4.9b **¶621241012**
IDC IX 17 16 50 40.0–.52 27.95S 177.80W 0 4.7s,4.5b
NEIC IX 17 16 50 42.7 28.18S 177.64W 10 4.7s,4.5b
NEIC IX 17 16 50 42.3–2.2 28.20S–.10 177.72W–.07 10–1 5.0b,4.5b
NEIC IX 17 16 50 44.7 27.98S 177.64W 18 5.4,4.5b
GCMT IX 17 16 50 45.5–.10 28.02S–.01 177.77W–.01 12 5.3W,4.5b
NOU IX 17 16 50 57.2 27.93S 177.80W 132 4.7b,4.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=19.9km s-min=15.8km az=90.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=9.9km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.17 $M_{\theta\theta}$0.30 $M_{\phi\phi}$0.87 $M_{r\theta}$0.45 $M_{\theta\phi}$0.47 $M_{\phi r}$1.32 NP1:ϕ_s36.38000°,δ20.38000°,λ-75.81000°. NP2:ϕ_s201.29000°,δ70.27000°,λ-95.20000°. Principal axes: T 1.7749,Plg25.0000°,Azm295.0000°; N 0.0585,Plg5.0000°,Azm203.0000°; P -1.8334,Plg64.0000°,Azm103.0000° $M_0$1.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109171650A. Moment Tensor Solution. s81,c142; s137,c245;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$0.75±.01; $M_{r\theta}$0.21±.04; $M_{\theta\phi}$0.45±.01; $M_{\phi r}$0.39±.03; Best double couple: NP1:ϕ_s30.00000°,δ33.00000°,λ-89.00000°. NP2:ϕ_s209.00000°,δ57.00000°,λ-90.00000°. Principal axes: T 1.1020,Plg12.0000°,Azm299.0000°; N -0.0520,Plg0.0000°,Azm209.0000°; P -1.0500,Plg78.0000°,Azm117.0000° $M_0$1.07600×10^{17}
NOU Kermadec Islands Region.
IDC IX 17 06 56 54.7–6.7 31.33S 176.79W 212–54 3.8,3.3b
¶621112941
IDC Error ellipse: s-maj=47.1km s-min=20.9km az=52.0.
ISC IX 17 16 20 40.3–.77 28.47S–.08 178.3W–.10 10 4.4b,4.0s 36 10-151
IDC IX 17 16 20 36.9–.76 27.94S 177.74W 0 4.2b,4.2 **¶621112972**
NEIC IX 17 16 20 41.5–2.2 28.48S–.06 178.3W–.20 10–2 4.7b,4.2
GCMT IX 17 16 20 42.7–.30 28.03S–.03 177.76W–.02 13–1 4.8W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109171620A. Moment Tensor Solution. s25,c28; s78,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.29±.16 $M_{\theta\theta}$0.49±.10; $M_{\phi\phi}$1.81±.10; $M_{r\theta}$0.64±.31; $M_{\theta\phi}$0.75±.06; $M_{\phi r}$0.29±.24; Best double couple: NP1:ϕ_s15.00000°,δ39.00000°,λ-106.00000°. NP2:ϕ_s215.00000°,δ53.00000°,λ-78.00000°. Principal axes: T 2.2130,Plg7.0000°,Azm296.0000°; N 0.2290,Plg10.0000°,Azm27.0000°; P -2.4340,Plg78.0000°,Azm171.0000° $M_0$2.32300×10^{16}
ISC IX 17 16 44 49.0–.84 27.2S–.10 177.2W–.10 10 4.1b 20 11-146
NEIC IX 17 16 44 49.6–2.1 27.2S–.10 177.1W–.10 10–1 4.5b **¶621112974**
IDC IX 17 16 44 53.5–1.2 28.00S 177.67W 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=17.7km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.2km s-min=31.5km az=110.0.
WEL IX 19 23 29 22.0–.90 31S–17 180W–45 293–22 4.7b,4.7
¶626501275
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC IX 17 20 34 42.6–2.3 27.41S 177.03W 0 3.9b,3.9
¶621112984
IDC Error ellipse: s-maj=68.3km s-min=43.0km az=37.0.
IDC IX 18 17 33 35.0–11 27.72S 177.65W 192–156 4.2,3.7s
¶621113583
IDC Error ellipse: s-maj=128.6km s-min=27.9km az=28.0.
ISC IX 17 22 18 45.5–.47 28.81S–.07 178.25W–.10 200 4.3b 93 1-164
NEIC IX 17 22 18 45.4–1.4 28.8S–.10 178.15W–.09 199–7 4.4b **¶621241013**
IDC IX 17 22 18 48.0–3.1 28.74S 178.30W 222–26 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=7.5km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=11.9km az=78.0.
IDC IX 17 17 56 35.3–2.5 27.67S 177.45W 0 3.5b,3.5
¶621112976
IDC Error ellipse: s-maj=72.6km s-min=44.8km az=37.0.
IDC IX 18 00 35 32.5–1.5 28.63S 178.29W 0 3.9b,3.9
¶621113535
IDC Error ellipse: s-maj=46.4km s-min=33.6km az=67.0.
ISC IX 20 18 08 18.0–.29 31.92S–.04 179.79E–.04 428–2 5.2b 1225 3-172
BJI IX 20 18 08 14.4 31.80S 179.70E 400 5.1b,5.1b **¶621241021**
NOU IX 20 18 08 16.0 31.91S 179.80W 441 5.4b,5.1b
WEL IX 20 18 08 17.4–.43 32S–4.0 180W–8.0 405–6 6.3,6.0b
WEL IX 20 18 08 17.4 31.92S 179.98W 368 6.3L,5.2W
NEIC IX 20 18 08 17.6–1.9 31.81S–.09 179.6E–.10 410–4 5.3,5.1b
MOS IX 20 18 08 18.6–.82 31.79S 179.54E 432 5.4b,5.1b
IDC IX 20 18 08 18.7–.38 31.87S 179.58E 428–3 5.4,4.7b
GFZ IX 20 18 08 18.6–.43 32S–4.0 180E–4.0 425–6 5.5b,5.3b
GCMT IX 20 18 08 21.3–.20 31.96S–.03 179.52E–.03 425–1 5.3W,5.3b
ISC Event type se.
NOU Kermadec Islands Region.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL Stations used: BKZ GLKZ HAZ HIZ KHEZ MKAZ MWZ MXZ NTVZ OTVZ OUZ PXZ.
OBLIQUE-NORMAL FAULTING. Moment Tensor Solution. s20 Moment tensor: Scale 10^{16} Nm; M_{rr}-3.92 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$3.92 $M_{r\theta}$1.37 $M_{\theta\phi}$4.20 $M_{\phi r}$-3.78 NP1:ϕ_s1.00000°,δ67.00000°,λ-128.00000°. NP2:ϕ_s245.00000°,δ44.00000°,λ-34.00000°. Principal axes: T 7.1896,Plg14.0000°,Azm118.0000°; N -0.3716,Plg35.0000°,Azm18.0000°; P -6.8180,Plg52.0000°,Azm226.0000° $M_0$7.01000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109201808A. Moment Tensor Solution. s103,c150;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$-0.10±.04; $M_{\phi\phi}$0.45±.04; $M_{r\theta}$-0.04±.04; $M_{\theta\phi}$0.52±.04; $M_{\phi r}$-1.15±.04; Best double couple: NP1:ϕ_s249.00000°,δ24.00000°,λ-24.00000°. NP2:ϕ_s2.00000°,δ80.00000°,λ-112.00000°. Principal axes: T 1.4050,Plg32.0000°,Azm110.0000°; N -0.1670,Plg22.0000°,Azm6.0000°; P -1.2390,Plg50.0000°,Azm247.0000° $M_0$1.32200×10^{17}
ISC IX 20 16 33 34.9–.65 31.81S–.08 179.15E–.10 550 4.2b 57 4-151
NEIC IX 20 16 33 36.1–1.5 31.9S–.10 179.3E–.20 567–11 4.2b **¶621116000**
IDC IX 20 16 33 37.6–2.8 32.02S 178.91E 572–31 4.0,2.9b
WEL IX 20 16 33 43.2–1.2 32S–13 179E–34 467–24 4.2L,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC IX 22 13 05 54.7–5.4 28.69S 176.82W 0 3.6b,3.6
¶621118149
IDC Error ellipse: s-maj=407.0km s-min=57.3km az=164.0.
ISC IX 22 02 47 57.5–.51 28.27S–.06 177.9W–.10 35 4.3b,3.9s 54 1-165
NEIC IX 22 02 47 53.8–1.7 28.27S–.06 177.78W–.05 10–1 4.5b,3.9s **¶621241027**
GCMT IX 22 02 47 55.8–.30 28.06S–.03 177.79W–.03 21–0 5.0W,3.9s
IDC IX 22 02 48 00.7–3.4 28.31S 178.00W 63–29 4.0,3.8s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.5km az=0.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109220247A. Moment Tensor Solution. s36,c41; s83,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.42±.23 $M_{\theta\theta}$1.86±.16; $M_{\phi\phi}$1.56±.14; $M_{r\theta}$0.81±.26; $M_{\theta\phi}$2.08±.09; $M_{\phi r}$-0.39±.22; Best double couple: NP1:ϕ_s33.00000°,δ44.00000°,λ-111.00000°. NP2:ϕ_s241.00000°,δ49.00000°,λ-71.00000°. Principal axes: T 3.8100,Plg3.0000°,Azm318.0000°; N -0.1630,Plg14.0000°,Azm48.0000°; P -3.6480,Plg75.0000°,Azm217.0000° $M_0$3.72900×10^{16}
IDC Error ellipse: s-maj=21.7km s-min=15.9km az=85.0.
ISC IX 23 02 02 20.9–.66 28.7S–.10 176.92W–.09 35 4.3b,3.6s 35 1-150
NEIC IX 23 02 02 18.5–1.1 28.67S–.10 176.9W–.10 10–1 4.4b,3.6s **¶621125823**
IDC IX 23 02 02 27.6–4.6 28.93S 176.98W 98–42 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=10.0km az=316.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.2km s-min=22.6km az=163.0.
ISC IX 23 09 52 27.5–1.0 29.3S–.10 177.0W–.20 31 4.2b,3.5s 14 10-164
IDC IX 23 09 52 22.6–1.4 29.27S 176.93W 0 4.0b,4.0 **¶621125845**
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=32.2km az=66.0.
ISC IX 22 19 57 23.4–.25 27.67S–.04 178.84W–.05 350 5.0b 686 2-167
IDC IX 22 19 57 22.8–1.3 27.56S 178.89W 339–12 5.1,4.4b **¶621106349**
BJI IX 22 19 57 22.9 27.33S 178.45W 356 5.4b,5.2b
NOU IX 22 19 57 23.6 27.64S 178.95W 347 5.1b,5.2b
NEIC IX 22 19 57 24.0–1.6 27.56S–.09 178.81W–.08 352–6 5.0b,5.2b
GFZ IX 22 19 57 25.0–.55 28S–3.0 179W–7.0 368–6 5.2,5.1b
GCMT IX 22 19 57 26.0–.20 27.58S–.02 178.77W–.01 348–1 5.4W,5.1b
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109221957A. Moment Tensor Solution. s122,c193;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.69±.02 $M_{\theta\theta}$-0.65±.04; $M_{\phi\phi}$1.35±.03; $M_{r\theta}$-0.71±.03; $M_{\theta\phi}$-0.48±.03; $M_{\phi r}$-0.26±.03; Best double couple: NP1:ϕ_s131.00000°,δ58.00000°,λ-148.00000°. NP2:ϕ_s23.00000°,δ63.00000°,λ-36.00000°. Principal axes: T 1.4620,Plg3.0000°,Azm78.0000°; N 0.0220,Plg46.0000°,Azm171.0000°; P -1.4820,Plg44.0000°,Azm346.0000° $M_0$1.47200×10^{17}
ISC IX 23 23 31 44.2–.59 28.40S–.09 177.6W–.10 10 4.3b 48 10-165
IDC IX 23 23 31 43.5–1.1 28.40S 177.73W 0 4.1b,4.1 **¶621125889**
NEIC IX 23 23 31 44.4–1.9 28.4S–.10 177.6W–.20 10–2 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 24 19 44 00.6–.99 27.04S–.08 178.6W–.20 300 3.4b 10 10-75
IDC IX 24 19 44 02.8–2.7 26.91S 178.76W 321–29 4.3,3.2b **¶621126458**
ISC Event type se.

IDC Error ellipse: s-maj=30.5km s-min=20.7km az=92.0.
ISC IX 24 07 57 35.1–.67 28.19S–.05 176.59W–.06 13–3 5.0b,4.2s 379 2-167
IDC IX 24 07 57 34.4–.39 27.83S 176.95W 0 4.8b,4.8 **¶621109286**
GFZ IX 24 07 57 35.4–.27 28S–4.0 177W–5.0 10 5.1b,5.0b
NEIC IX 24 07 57 36.4–1.1 27.80S–.09 176.8W–.10 10–1 5.0b,4.9
BJI IX 24 07 57 38.4 27.72S 176.63W 35 5.6b,5.5b
GCMT IX 24 07 57 42.5–.30 27.90S–.03 176.59W–.02 35–0 5.0W,5.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109240757A. Moment Tensor Solution. s48,c59; s69,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.74±.20 $M_{\theta\theta}$-0.24±.13; $M_{\phi\phi}$-3.50±.12; $M_{r\theta}$0.47±.17; $M_{\theta\phi}$-0.14±.10; $M_{\phi r}$1.59±.12; Best double couple: NP1:ϕ_s178.00000°,δ33.00000°,λ81.00000°. NP2:ϕ_s8.00000°,δ57.00000°,λ96.00000°. Principal axes: T 4.1160,Plg77.0000°,Azm296.0000°; N -0.2660,Plg5.0000°,Azm185.0000°; P -3.8490,Plg12.0000°,Azm94.0000° M_o3.98200×10^{16}
IDC IX 24 06 51 41.6–1.6 28.27S 177.67W 0 3.8b,3.8
¶621126413

IDC Error ellipse: s-maj=47.6km s-min=36.7km az=42.0.
ISC IX 26 02 43 49.0–.70 30.43S–.06 179.5W–.10 300 4.0b 67 2-170
IDC IX 26 02 43 48.7–2.2 30.33S 179.58W 295–22 4.0,2.9b **¶621131478**
WEL IX 26 02 43 55.4–.46 31S–6.0 179W–12 10 5.4b,5.1
ISC Event type se.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC IX 26 06 39 21.7–2.2 31.49S 178.77W 0 3.5L,3.5b
¶621131496

IDC Error ellipse: s-maj=52.4km s-min=36.8km az=64.0.
IDC X 03 03 30 39.7–9.8 31.37S 176.65W 0 3.4s,3.2b
¶621186107

IDC Error ellipse: s-maj=453.2km s-min=60.4km az=157.0.
WEL IX 28 07 15 20.2–1.5 32S–25 179E–61 420–42 5.0b,4.7
¶626512618

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IX 28 08 11 48.4–1.0 31S–8.0 180W–17 242–26 4.7b,4.5
¶626512624

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 01 04 30 47.6–1.2 32S–8.0 180W–15 376–22 4.8L,4.8
¶626702767

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 02 03 18 59.1–.81 28.9S–.10 177.2W–.10 35 4.0b 20 1-151
NEIC X 02 03 18 51.6–1.6 28.23S–.06 177.8W–.20 10–2 4.3b **¶621186043**
IDC X 02 03 18 52.6–1.1 28.58S 177.26W 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=7.9km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=34.0km s-min=29.4km az=105.0.
ISC IX 27 02 00 56.7–1.1 28.8S–.10 176.4W–.20 36 3.9b,3.5s 11 11-153
IDC IX 27 02 01 02.1–6.0 29.11S 176.48W 86–53 4.0,3.6L **¶621140674**
ISC Event type se.

IDC Error ellipse: s-maj=47.4km s-min=35.3km az=161.0.
ISC IX 27 21 08 13.5–1.4 28.7S–.20 177.8W–.30 35 4.1b 8 10-150
IDC IX 27 21 08 09.4–1.5 28.79S 177.94W 0 3.9b,3.9 **¶621140740**
ISC Event type se.

IDC Error ellipse: s-maj=38.2km s-min=33.8km az=70.0.
ISC IX 30 01 00 43.6–.42 28.85S–.07 177.51W–.08 57 4.6b,3.7s 93 1-164
IDC IX 30 01 00 35.9–.47 28.66S 177.46W 0 4.4b,4.4 **¶621115377**
NEIC IX 30 01 00 46.8–.88 29.0S–.10 177.50W–.10 76–4 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 02 13 30 14.0–.76 31.48S–.07 179.1W–.10 300 4.4b 73 6-151
IDC X 02 13 30 15.7–2.4 31.28S 179.61W 316–23 4.5,3.8b **¶621186065**
WEL X 02 13 30 20.9–1.1 32S–7.0 179W–15 280–24 5.0,4.7b
ISC Event type se.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 01 06 28 35.7–1.1 29.9S–.10 179.2W–.30 200 3.8b 23 8-150
IDC X 01 06 28 25.9–7.3 29.40S 178.69W 128–59 4.1,3.6b **¶621147813**
ISC Event type se.

IDC Error ellipse: s-maj=49.9km s-min=26.0km az=43.0.
ISC X 04 20 31 29.9–.71 31.75S–.07 179.9W–.10 350 3.8b 58 3-151
IDC X 04 20 31 25.3–4.5 31.37S 179.92W 293–39 4.2,3.5b **¶621203137**
NEIC X 04 20 31 29.3–1.3 31.8S–.10 179.9W–.20 329–2 4.1b,3.5b
WEL X 04 20 31 35.4–1.1 32S–8.0 180W–16 271–25 4.9,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC X 02 23 55 14.5–4.0 28.14S 177.09W 0 3.8b,3.8
¶621186095

IDC Error ellipse: s-maj=113.3km s-min=43.6km az=36.0.
ISC X 05 01 57 19.2–.70 31.48S–.06 178.1W–.10 10 3.9b 25 2-146
IDC X 05 01 57 18.5–2.1 31.53S 178.09W 0 3.8b,3.8 **¶621203146**
NEIC X 05 01 57 20.3–1.3 31.50S–.04 177.9W–.20 14–5 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 01 00 51.9–.41 31.08S–.05 179.81W–.08 350 4.2b 155 2-163
NEIC X 06 01 00 52.4–2.0 31.04S–.04 179.9W–.10 344–6 4.3b **¶621217119**
IDC X 06 01 00 52.9–2.2 30.90S 179.95W 354–19 4.5,3.8b
WEL X 06 01 00 57.9–.98 31S–7.0 180W–17 251–23 5.2,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC X 06 19 08 11.6–12 31.45S 179.58E 380–154 3.9,3.1b
¶621217166

IDC Error ellipse: s-maj=198.0km s-min=39.7km az=1.0.
IDC X 08 13 56 06.8–2.0 29.95S 176.84W 0 3.6b,3.6
¶621224660

IDC Error ellipse: s-maj=55.5km s-min=41.8km az=35.0.
ISC X 06 15 23 22.8–1.1 28.52S–.08 179.6W–.20 200 24 2-149
IDC X 06 15 23 19.1–3.4 28.61S 178.37W 247–30 3.7,2.6b **¶621217157**
ISC Event type se.

IDC Error ellipse: s-maj=52.1km s-min=23.3km az=98.0.
ISC X 08 02 58 44.1–2.7 29.5S–.20 179.0W–.40 315 17 9-144
IDC X 08 02 58 07.8–9.8 30.35S 178.32W 0 3.6b,3.6 **¶621224622**
ISC Event type se.

IDC Error ellipse: s-maj=418.2km s-min=62.1km az=156.0.
ISC X 13 06 10 34.8–1.0 30.4S–.10 176.9W–.20 24 4.4b 25 8-152
IDC X 13 06 10 30.5–1.5 29.93S 176.74W 0 4.1b,4.1 **¶621238952**
NEIC X 13 06 10 34.2–2.9 30.52S–.09 176.9W–.20 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 08 12 15 04.0–1.3 30.3S–.10 176.9W–.20 24 4.0b,3.5s 11 9-152
IDC X 08 12 15 00.0–1.3 30.11S 176.77W 0 4.0b,4.0 **¶621224654**
ISC Event type se.

IDC Error ellipse: s-maj=36.1km s-min=28.9km az=98.0.
IDC X 08 12 31 21.9–3.1 30.34S 176.92W 0 3.5L,3.5
¶621224657

IDC Error ellipse: s-maj=77.1km s-min=37.1km az=117.0.
WEL X 11 15 14 07.4–1.4 32S–35 179W–63 465–57 4.7,4.5b
¶626703573

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 09 19 00 16.2–.99 30.3S–.10 176.8W–.20 24 4.2b 13 9-152
IDC X 09 19 00 13.0–1.2 30.23S 176.83W 0 3.9b,3.9 **¶621235343**
ISC Event type se.

IDC Error ellipse: s-maj=40.1km s-min=27.1km az=103.0.
IDC X 10 12 24 43.5–7.7 31.29S 179.11W 0 3.6b,3.6
¶621235382

IDC Error ellipse: s-maj=327.5km s-min=58.3km az=157.0.
ISC X 11 21 08 44.7–.99 28.0S–.10 177.2W–.20 35 4.1b,3.1s 19 11-152
IDC X 11 21 08 38.2–.91 27.72S 177.02W 0 4.1b,4.1 **¶621236909**
ISC Event type se.

IDC Error ellipse: s-maj=32.3km s-min=25.5km az=84.0.
WEL X 10 11 02 58.2–1.7 32S–40 180E–82 437–82 4.0,4.0
¶626703491

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC X 12 18 24 11.6–3.8 28.50S 177.40W 0 3.7b,3.7
¶621236963

IDC Error ellipse: s-maj=105.5km s-min=40.3km az=38.0.
IDC X 13 14 29 54.0–3.8 28.71S 177.72W 0 3.4b,3.4
¶621238979

IDC Error ellipse: s-maj=106.9km s-min=40.0km az=38.0.
ISC X 15 00 08 03.2–.79 28.9S–.10 176.9W–.20 36 4.0b,3.6s 19 11-151
IDC X 15 00 07 57.2–.88 28.58S 176.93W 0 4.0b,4.0 **¶621242021**
NEIC X 15 00 07 59.2–1.6 29.0S–.10 176.5W–.20 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL X 18 08 56 11.8–1.6 31S–35 180W–64 380–60 4.5,4.5L
¶626703964

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC X 15 18 27 02.2–2.1 29.59S 175.71W 0 3.7,3.6b
¶621242076

IDC Error ellipse: s-maj=62.8km s-min=35.7km az=134.0.
ISC X 16 05 46 14.9–.91 30.79S–.09 179.5W–.10 400 3.7b 55 2-97
IDC X 16 05 46 09.6–4.0 30.42S 179.60W 349–38 4.3,3.5b **¶621242109**
WEL X 16 05 46 18.8–1.2 31S–10 179W–19 368–19 5.0,4.7L
ISC Event type se.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 16 16 05 30.7–.35 31.21S–.05 177.58W–.06 27 4.8b,4.1s 220 2-163
NOU X 16 16 05 26.1 31.18S 176.85W 25 4.9b,4.1s **¶621204676**
IDC X 16 16 05 27.3–.47 31.06S 177.70W 0 4.4b,4.4
NEIC X 16 16 05 29.4–1.7 31.32S–.08 177.6W–.10 10–1 4.7b,4.4
GFZ X 16 16 05 29.9–.48 31S–4.0 178W–7.0 10 4.7b,4.7
GCMT X 16 16 05 33.0–.50 31.16S–.05 177.31W–.03 23–1 4.8W,4.7
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110161605A. Moment Tensor Solution. s28,c32; s61,c79; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.91±.20 $M_{\theta\theta}$-0.28±.11; $M_{\phi\phi}$-1.63±.11; $M_{r\theta}$0.84±.20; $M_{\theta\phi}$-0.22±.07; $M_{\phi r}$1.14±.14; Best double couple: NP1:ϕ_s179.00000°,δ28.00000°,λ67.00000°. NP2:ϕ_s24.00000°,δ64.00000°,λ102.00000°. Principal axes: T 2.4540,Plg69.0000°,Azm318.0000°; N -0.3700,Plg10.0000°,Azm199.0000°; P -2.0840,Plg18.0000°,Azm106.0000° M_o2.26900×10^{16}
IDC X 16 16 33 04.9–2.7 31.39S 177.55W 0 3.9,3.8b
¶621242131

IDC Error ellipse: s-maj=67.0km s-min=36.4km az=116.0.
IDC X 17 15 46 54.7–5.8 28.49S 178.59W 0 3.6b,3.6
¶621242889

IDC Error ellipse: s-maj=180.9km s-min=90.9km az=155.0.
ISC X 21 18 17 27.8–.81 28.9S–.10 177.2W–.20 35 4.3b,3.6s 36 12-153
IDC X 21 18 17 24.2–.85 28.04S 177.42W 0 4.1b,4.1 **¶621261421**
NEIC X 21 18 17 27.5–2.8 28.79S–.07 177.1W–.10 35–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL X 20 16 12 07.5–1.1 32S–8.0 180W–17 271–25 4.7,4.4b
¶626704120

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL X 22 15 43 26.2–1.4 32S–11 179E–46 300 4.1,4.1
¶626704278

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
ISC X 26 18 46 11.0–.44 28.74S–.05 177.31W–.07 40–5 4.8b,3.7s 222 10-168
IDC X 26 18 46 05.8–.47 28.52S 177.31W 0 4.6b,4.6 **¶621630075**
NEIC X 26 18 46 14.2–1.6 28.62S–.09 177.4W–.10 58–5 4.9b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 25 03 40 10.6–.83 29.57S–.09 177.0W–.20 35 4.6b 46 10-159
IDC X 25 03 40 06.9–1.0 28.98S 177.28W 0 4.6s,4.5b **¶621630072**
NEIC X 25 03 40 11.7–1.9 29.48S–.10 177.13W–.08 35–1 4.6b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 26 04 09 50.1–.89 28.75S–.09 179.9W–.10 400 3.8b 42 9-143
NEIC X 26 04 09 48.2–1.5 28.58S–.06 179.8W–.20 381–9 4.0b **¶621366456**
IDC X 26 04 09 49.3–8.0 28.53S 179.82W 391–65 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=6.2km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=82.4km s-min=23.8km az=39.0.
ISC X 26 05 24 45.9–.77 30.68S–.07 176.7W–.10 35 4.3b 56 8-158
IDC X 26 05 24 40.8–1.1 30.67S 176.62W 0 4.4L,4.3 **¶621366458**
NEIC X 26 05 24 43.2–1.4 30.67S–.08 176.7W–.20 10–2 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 27 11 26 11.7–3.3 29.94S 177.00W 0 3.7b,3.7
¶621385461

IDC Error ellipse: s-maj=73.3km s-min=37.6km az=115.0.
IDC X 26 23 12 31.2–2.1 27.09S 176.57W 0 3.9b,3.9
¶621366495

IDC Error ellipse: s-maj=62.6km s-min=34.4km az=45.0.
ISC X 26 14 59 18.5–.70 31.02S–.07 179.0W–.10 250 4.0b 73 7-160
IDC X 26 14 59 12.2–4.9 30.34S 179.07W 163–40 4.3,3.9b **¶621630074**
NEIC X 26 14 59 17.1–1.3 30.85S–.08 179.1W–.20 209–7 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL X 30 18 02 00.2–2.1 31S–13 179E–49 10 5.3,5.0
¶626704902

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 27 13 51 50.8–.99 27.14S–.08 178.7W–.20 350 3.4b 26 10-63
IDC X 27 13 51 51.4–2.9 27.06S 178.75W 355–39 4.0,3.0b **¶621385467**
ISC Event type se.

IDC Error ellipse: s-maj=33.0km s-min=24.6km az=70.0.
ISC X 29 19 42 18.3–.57 29.76S–.08 175.92W–.08 10 4.6b 125 2-157
IDC X 29 19 42 17.3–1.8 29.77S 175.98W 0 4.7s,4.5b **¶635676371**
NEIC X 29 19 42 19.8–2.6 29.69S–.06 176.2W–.10 10–1 4.5b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 19 42 32.4–.40 29.55S–.04 176.09W–.04 20–1 5.7b,5.4s 1154 2-172
BJI X 29 19 42 29.6 28.99S 175.59W 8 6.2b,5.5b **¶621630080**
IDC X 29 19 42 30.4–.35 29.39S 176.16W 0 5.2b,5.2
GFZ X 29 19 42 30.6–.22 30S–3.0 176W–4.0 10 6.0b,5.6b
NEIC X 29 19 42 31.2–2.1 29.39S–.09 176.12W–.07 10–1 5.7b,5.4
NEIC X 29 19 42 31.2 29.39S 176.13W 10 5.7b,5.4
NEIC X 29 19 42 31.2 29.39S 176.13W 10 5.7b,5.4
NEIC X 29 19 42 31.6 29.39S 175.56W 18 5.5,5.4

GFZ X 29 19 42 32.4 29.49S 176.24W 27 5.6W,5.4
MOS X 29 19 42 32.6–1.3 29.48S 176.29W 24 5.6b,5.1s
PTWC X 29 19 42 33 29.50S 175.60W 36 5.6,5.1s
GCMT X 29 19 42 36.6–.10 29.37S–.01 175.92W 12 5.5W,5.1s
NOU X 29 19 42 37.7 29.46S 176.05W 67 5.5b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=13.6km az=21.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.3km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.53 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$1.73 $M_{r\theta}$0.18 $M_{\theta\phi}$0.69 $M_{\phi r}$0.45 NP1:ϕ_s199.43000°,δ52.72000°,λ-87.83000°. NP2:ϕ_s15.85000°,δ37.33000°,λ-92.84000°. Principal axes: T 2.0198,Plg8.0000°,Azm288.0000°; N -0.4247,Plg2.0000°,Azm18.0000°; P -1.5950,Plg82.0000°,Azm121.0000° M_o1.84000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.80 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$2.07 $M_{r\theta}$0.35 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.75 NP1:ϕ_s209.79000°,δ38.49000°,λ-63.15000°. NP2:ϕ_s356.90000°,δ56.27000°,λ-109.76000°. Principal axes: T 2.2977,Plg9.0000°,Azm101.0000°; N -0.2469,Plg16.0000°,Azm8.0000°; P -2.0508,Plg71.0000°,Azm219.0000° M_o2.18000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.95 $M_{\theta\theta}$0.25 $M_{\phi\phi}$1.70 $M_{r\theta}$0.97 $M_{\theta\phi}$0.90 $M_{\phi r}$1.54 NP1:ϕ_s210.29633°,δ65.89521°,λ-85.84325°. NP2:ϕ_s20.20609°,δ24.43946°,λ-99.20235°. Principal axes: T 2.8229,Plg20.7911°,Azm297.1535°; N -0.1684,Plg3.7937°,Azm28.5962°; P -2.6545,Plg68.8337°,Azm128.4571° M_o2.74256×10^{17}
MOS Error ellipse: s-maj=9.6km s-min=8.0km az=126.5.
PTWC KERMADEC ISLANDS REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110291942A. Moment Tensor Solution. s131,c220; s156,c317;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77±.02 $M_{\theta\theta}$-0.03±.02; $M_{\phi\phi}$1.81±.01; $M_{r\theta}$-0.29±.04; $M_{\theta\phi}$0.56±.01; $M_{\phi r}$-0.58±.04; Best double couple: NP1:ϕ_s191.00000°,δ36.00000°,λ-97.00000°. NP2:ϕ_s20.00000°,δ55.00000°,λ-85.00000°. Principal axes: T 2.0720,Plg9.0000°,Azm106.0000°; N -0.1830,Plg4.0000°,Azm197.0000°; P -1.8830,Plg80.0000°,Azm309.0000° M_o1.97700×10^{17}
NOU Kermadec Islands Region.
IDC X 27 09 30 02.2–15 28.93S 176.72W 0 3.9b,3.9
¶621385455
IDC Error ellipse: s-maj=281.0km s-min=46.0km az=90.0.
ISC X 28 14 36 58.1–1.0 30.0S–.10 179.4W–.30 200 3.4b 23 1-150
IDC X 28 14 36 57.6–6.2 29.62S 179.10W 223–53 3.8,3.2b **¶621391398**
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=25.7km az=47.0.
IDC X 27 08 41 07.3–14 31.10S 175.82W 0 4.0b,4.0
¶621385453
IDC Error ellipse: s-maj=276.2km s-min=48.2km az=101.0.
ISC X 31 15 37 01.5–1.4 28.9S–.10 177.8W–.20 57 4.1b 15 0-144
IDC X 31 15 36 52.5–3.5 28.47S 177.52W 0 3.8b,3.8 **¶621395255**
NEIC X 31 15 37 00.4–1.4 28.9S–.10 177.6W–.20 42–9 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 30 20 06 14.9–6.4 31.44S 179.64W 0 3.3b,3.3
¶621395197
IDC Error ellipse: s-maj=258.0km s-min=61.0km az=157.0.
ISC X 31 09 18 14.6–.46 28.30S–.04 177.21W–.05 63–3 5.1b 538 1-167
IDC X 31 09 18 12.4–2.2 28.10S 177.30W 38–17 4.9,4.8b **¶621244621**
NEIC X 31 09 18 14.7–1.3 28.19S–.07 177.4W–.10 56–6 5.1b,4.8b
GFZ X 31 09 18 15.5–.28 28S–3.0 177W–3.0 61–2 5.8b,5.4
GCMT X 31 09 18 17.0–.30 28.13S–.02 176.96W–.02 52–1 5.0W,5.4
NOU X 31 09 18 21.0 27.92S 176.88W 152 5.1b,5.4
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=12.4km az=113.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.8km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=7.7km s-min=6.3km az=137.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110310918A. Moment Tensor Solution. s62,c67; s76,c104; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.58±.17 $M_{\theta\theta}$-0.48±.12; $M_{\phi\phi}$-3.10±.10; $M_{r\theta}$-0.06±.09; $M_{\theta\phi}$-0.48±.11; $M_{\phi r}$1.09±.09; Best double couple: NP1:ϕ_s193.00000°,δ36.00000°,λ95.00000°. NP2:ϕ_s6.00000°,δ54.00000°,λ86.00000°. Principal axes: T 3.7580,Plg81.0000°,Azm259.0000°; N -0.4080,Plg3.0000°,Azm9.0000°; P -3.3480,Plg9.0000°,Azm99.0000° M_o3.55300×10^{16}
NOU Kermadec Islands Region.
ISC X 31 00 48 37.5–.32 29.24S–.05 176.84W–.06 36 4.8b,4.1s 239 1-168
IDC X 31 00 48 32.5–.48 29.08S 177.10W 0 4.6b,4.6 **¶621244539**
GFZ X 31 00 48 33.8–.20 29S–3.0 177W–4.0 10 6.2b,5.9
NEIC X 31 00 48 34.5–1.9 29.2S–.10 176.81W–.07 10–1 4.9b,5.9
GCMT X 31 00 48 39.3–.30 29.07S–.03 176.60W–.03 30–0 5.0W,5.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110310048A. Moment Tensor Solution. s36,c47; s72,c89; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.18 $M_{\theta\theta}$-1.30±.14; $M_{\phi\phi}$-2.13±.12; $M_{r\theta}$0.68±.17; $M_{\theta\phi}$-1.07±.08; $M_{\phi r}$1.70±.13; Best double couple: NP1:ϕ_s218.00000°,δ30.00000°,λ98.00000°. NP2:ϕ_s29.00000°,δ60.00000°,λ85.00000°. Principal axes: T 3.9360,Plg74.0000°,Azm286.0000°; N -0.5960,Plg4.0000°,Azm31.0000°; P -3.3390,Plg15.0000°,Azm122.0000° M_o3.63700×10^{16}
WEL XI 02 04 31 19.1–1.3 32S–18 179E–45 154–68 4.6,4.6b
¶635630901
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 01 00 44 22.5–3.1 31S–26 180W–22 441–38 5.0,4.9
¶635630029
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 01 18 31 50.8–1.2 31.52S–.09 179.1W–.20 10 3.9b 26 6-152
IDC XI 01 18 31 50.4–1.5 31.60S 179.23W 0 3.9b,3.9 **¶621401286**
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=28.9km az=78.0.
IDC XI 03 15 49 56.2–2.0 31.50S 178.71W 0 3.9b,3.9
¶621412248
IDC Error ellipse: s-maj=58.0km s-min=33.9km az=44.0.
ISC XI 03 01 17 05.5–.99 29.3S–.20 176.2W–.10 28 4.1b,3.4s 16 2-151
IDC XI 03 01 17 00.8–1.2 29.19S 176.29W 0 3.9b,3.9 **¶621412208**
NEIC XI 03 01 17 03.4–.66 29.5S–.20 176.14W–.09 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 04 00 43 09.2–1.2 29.6S–.10 179.2W–.30 315 3.9b 9 12-144
IDC XI 04 00 43 09.7–6.5 29.63S 179.25W 317–68 3.8,3.0b **¶621412266**
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=32.8km az=52.0.
ISC XI 04 20 55 58.7–.63 30.21S–.07 179.1W–.10 200 4.0b 69 1-163
IDC XI 04 20 55 58.6–3.1 29.99S 178.99W 200–26 4.4,3.8b **¶621412315**
NEIC XI 04 20 55 59.6–1.8 30.2S–.10 179.0W–.20 206–9 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 05 23 22 00.5–.86 31.04S–.07 179.9W–.20 350 3.5b 53 2-145
IDC XI 05 23 22 00.6–3.1 30.93S 179.95W 351–27 4.1,3.3b **¶621414002**
WEL XI 05 23 22 05.6–1.3 32S–11 178W–28 312–19 4.8,4.8b
ISC Event type se.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC XI 05 08 42 09.0–1.2 31.27S–.09 179.9E–.10 400 3.1b 35 3-42
IDC XI 05 08 41 33.5–20 28.62S 179.09E 0 4.5L,3.9 **¶635632882**
WEL XI 05 08 42 13.6–.91 32S–8.0 180W–17 351–19 4.7,4.6
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 07 15 23 08.5–.65 29.82S–.08 179.78E–.09 450 3.9b 147 2-148
NEIC XI 07 15 23 09.0–1.8 29.8S–.10 179.8E–.20 455–3 4.1b **¶621416042**
IDC XI 07 15 23 08.4–1.8 29.80S 179.66E 440–17 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=16.0km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=15.8km az=63.0.
IDC XI 08 07 13 39.8–2.1 30.54S 176.85W 0 3.5b,3.5
¶621423083
IDC Error ellipse: s-maj=61.6km s-min=44.3km az=44.0.
ISC XI 11 01 46 13.7–.89 31.26S–.07 178.5W–.20 35 4.3b 57 2-146
IDC XI 11 01 46 05.4–2.0 30.95S 177.95W 0 3.9b,3.9 **¶621449499**
NEIC XI 11 01 46 13.6–1.4 31.35S–.08 178.2W–.20 39–11 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 11 02 05 23.2–3.6 28.79S 177.66W 0 3.7b,3.7
¶621449500
IDC Error ellipse: s-maj=101.5km s-min=43.4km az=37.0.
ISC XI 15 19 07 20.6–1.1 29.70S–.09 179.1W–.20 350 3.8b 13 9-144
IDC XI 15 19 07 19.0–3.5 29.65S 178.75W 346–31 4.4,3.3b **¶621475643**
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=34.0km az=106.0.
ISC XI 11 02 54 54.7–.66 27.40S–.09 177.1W–.20 150 3.8b 35 2-155
IDC XI 11 02 54 48.2–8.2 27.23S 177.34W 108–73 3.9,3.7L **¶621449501**
NEIC XI 11 02 54 57.7–2.0 27.5S–.10 177.0W–.20 178–5 4.4b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 11 19 15 43.7–.40 29.70S–.05 179.15W–.08 315 4.2b 232 1-169
NOU XI 11 19 15 40.6 29.66S 177.91W 391 4.9b **¶621449535**
NEIC XI 11 19 15 45.9–1.6 29.6S–.10 179.1W–.20 325–6 4.2b
IDC XI 11 19 15 45.1–1.9 29.46S 179.25W 320–17 4.5,3.7b
ISC Event type se.
NOU Kermadec Islands, New Zealand.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=16.0km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=14.6km az=92.0.
ISC XI 18 01 53 26.3–.44 28.41S–.07 176.63W–.08 29 4.4b,4.2s 96 1-153
IDC XI 18 01 53 22.3–.66 28.20S 176.74W 0 4.2b,4.1 **¶621883548**
NEIC XI 18 01 53 23.8–1.4 28.30S–.08 176.5W–.10 10–1 4.7b,4.1
GCMT XI 18 01 53 27.7–.30 28.35S–.03 176.12W–.02 22–0 4.9W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111180153A. Moment Tensor Solution. s28,c37; s83,c100; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.50±.16 $M_{\theta\theta}$-0.43±.10; $M_{\phi\phi}$-2.07±.10; $M_{r\theta}$1.35±.19; $M_{\theta\phi}$-0.59±.07; $M_{\phi r}$0.90±.14; Best double couple: NP1:ϕ_s185.00000°,δ32.00000°,λ63.00000°. NP2:ϕ_s36.00000°,δ62.00000°,λ106.00000°. Principal axes: T 3.1060,Plg69.0000°,Azm340.0000°; N -0.5000,Plg14.0000°,Azm208.0000°; P -2.6060,Plg15.0000°,Azm114.0000° M_o2.85600×10^{16}
WEL XI 17 03 27 33.4–3.5 31S–46 180E–128 289–110 4.6b,4.3
¶635644497
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 21 05 12 29.8–.41 29.29S–.03 176.88W–.04 20–1 5.7s,5.6b 1335 1-172
BJI XI 21 05 12 26.7 28.87S 176.37W 12 6.0b,5.8s **¶621883569**
IDC XI 21 05 12 27.6–.33 29.05S 177.16W 0 5.5s,5.2b
MOS XI 21 05 12 28.3–1.1 29.14S 177.24W 10 6.0b,5.6s
IPGP XI 21 05 12 28.0 29.40S 176.88W 16 5.9W,5.6s
NEIC XI 21 05 12 28.3 29.38S 176.88W 10 5.9W,5.6s
NEIC XI 21 05 12 29.0–1.4 29.34S–.08 176.85W–.07 16–1 5.7,5.5b
GFZ XI 21 05 12 29.4–.21 29S–3.0 177W–4.0 10 6.1b,5.8
PTWC XI 21 05 12 29 29.40S 176.50W 19 6.3,5.8
GFZ XI 21 05 12 30.9 29.20S 177.07W 19 5.9W,5.8
NOU XI 21 05 12 33.2 29.35S 176.90W 45 5.5,5.8
NEIC XI 21 05 12 34.5 29.28S 176.42W 30 5.8,5.8
GCMT XI 21 05 12 35.9–.10 29.11S–.01 176.71W 22–0 5.8W,5.8
ISC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s169.00000°,δ25.00000°,λ75.00000°. NP2:ϕ_s6.00000°,δ66.00000°,λ97.00000°.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PTWC KERMADEC ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.06 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-3.98 $M_{r\theta}$2.58 $M_{\theta\phi}$-0.86 $M_{\phi r}$6.76 NP1:ϕ_s184.01690°,δ15.22930°,λ74.79602°. NP2:ϕ_s19.74730°,δ75.31597°,λ94.08385°. Principal axes: T 8.3100,Plg59.4875°,Azm295.4394°; N 0.0254,Plg3.9502°,Azm198.7105°; P -8.3354,Plg30.2008°,Azm106.4070° M_o8.32269×10^{17}
NOU Kermadec Islands Region.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}3.97 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-4.37 $M_{r\theta}$1.19 $M_{\theta\phi}$-1.83 $M_{\phi r}$2.60 NP1:ϕ_s193.67000°,δ29.00000°,λ82.12000°. NP2:ϕ_s22.65000°,δ61.30000°,λ94.34000°. Principal axes: T 4.8161,Plg73.0000°,Azm303.0000°; N 1.0054,Plg4.0000°,Azm201.0000°; P -5.8216,Plg16.0000°,Azm109.0000° M_o5.39000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111210512A. Moment Tensor Solution. s153,c325; s161,c508;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.67±.05 $M_{\theta\theta}$-0.37±.03; $M_{\phi\phi}$-5.30±.04; $M_{r\theta}$1.22±.07; $M_{\theta\phi}$-1.17±.03; $M_{\phi r}$4.43±.07; Best double couple: NP1:ϕ_s191.00000°,δ25.00000°,λ87.00000°. NP2:ϕ_s14.00000°,δ65.00000°,λ91.00000°. Principal axes: T 7.3120,Plg70.0000°,Azm287.0000°; N -0.1110,Plg1.0000°,Azm194.0000°; P -7.2010,Plg20.0000°,Azm103.0000° M_o7.25700×10^{17}
IDC XI 18 18 30 38.8–7.6 28.53S 177.47W 0 3.5b,3.5
¶621532495
IDC Error ellipse: s-maj=407.0km s-min=63.2km az=159.0.
IDC XI 20 09 09 49.8–4.5 28.53S 177.61W 380–44 4.2,3.3b
¶621590348
IDC Error ellipse: s-maj=27.4km s-min=20.8km az=130.0.
ISC XI 19 08 07 45.1–.51 29.47S–.06 176.78W–.06 10 4.6b,4.2s 85 1-153
IDC XI 19 08 07 43.8–.65 29.22S 177.01W 0 4.3b,4.3 **¶621590269**
NEIC XI 19 08 07 45.2–2.1 29.31S–.09 176.72W–.05 10–1 4.7b,4.3
GCMT XI 19 08 07 51.0–.20 29.25S–.02 176.55W–.01 17–0 5.0W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111190807A. Moment Tensor Solution. s47,c67; s111,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.84±.13 $M_{\theta\theta}$-0.14±.08; $M_{\phi\phi}$-2.70±.09; $M_{r\theta}$1.12±.24; $M_{\theta\phi}$-0.74±.06; $M_{\phi r}$2.62±.21; Best double couple: NP1:ϕ_s189.00000°,δ23.00000°,λ79.00000°. NP2:ϕ_s21.00000°,δ67.00000°,λ95.00000°. Principal axes: T 4.0300,Plg67.0000°,Azm299.0000°; N 0.0280,Plg4.0000°,Azm199.0000°; P -4.0570,Plg22.0000°,Azm107.0000° M_o4.04300×10^{16}
IDC XI 19 08 37 55.3–4.1 27.52S 176.96W 0 3.8b,3.8
¶621590271
IDC Error ellipse: s-maj=108.7km s-min=38.0km az=35.0.
ISC XI 19 08 55 57.9–.68 29.67S–.08 176.7W–.10 21 4.2b,3.3s 30 1-154
IDC XI 19 08 55 54.5–1.0 29.80S 176.55W 0 4.2b,4.2 **¶621590272**
NEIC XI 19 08 55 56.4–1.4 29.69S–.08 176.6W–.10 10–2 4.4b,4.2
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 20 07 04 23.4–.58 28.20S–.08 176.6W–.10 10 4.4b,4.2s 37 2-153
IDC XI 20 07 04 22.0–.64 27.94S 176.62W 0 4.2b,4.2 **¶621883565**
NEIC XI 20 07 04 23.9–1.5 28.3S–.10 176.49W–.07 10–1 4.6b,4.2
GCMT XI 20 07 04 28.6–.20 28.17S–.02 176.15W–.02 21–0 5.0W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111200704A. Moment Tensor Solution. s54,c69; s94,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.03±.14 $M_{\theta\theta}$-0.44±.09; $M_{\phi\phi}$-2.59±.09; $M_{r\theta}$1.07±.18; $M_{\theta\phi}$-0.65±.06; $M_{\phi r}$1.49±.13; Best double couple: NP1:ϕ_s188.00000°,δ30.00000° ,λ74.00000°. NP2:ϕ_s25.00000°,δ61.00000°,λ99.00000°. Principal axes: T 3.5990,Plg72.0000°,Azm317.0000°; N -0.3420,Plg8.0000°,Azm201.0000° ; P -3.2550,Plg16.0000°,Azm109.0000° $M_0$3.42700×10^{16}
IDC XI 25 19 13 55.3–5.0 29.70S 176.94W 0 3.6b,3.6
¶621618721
IDC Error ellipse: s-maj=288.6km s-min=72.5km az=165.0.
ISC XI 21 06 52 38.9–1.4 29.3S–.20 176.8W–.20 31 4.2b 27 1-151
NEIC XI 21 06 52 35.0–1.2 29.3S–.20 176.6W–.10 10–2 4.2b **¶621608899**
IDC XI 21 06 52 59.7–14 29.23S 177.43W 197–119 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=16.7km az=6.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.0km s-min=35.8km az=57.0.
ISC XI 21 19 58 54.7–4.1 30.6S–.20 179.8E–.50 400 17 7-145
IDC XI 21 19 58 01.7–6.4 28.97S 178.30W 0 3.4b,3.4 **¶621608931**
ISC Event type se.
IDC Error ellipse: s-maj=368.9km s-min=88.0km az=165.0.
IDC XI 21 20 23 11.4–15 30.05S 176.15W 0 3.7,3.6b
¶621608932
IDC Error ellipse: s-maj=281.4km s-min=47.6km az=96.0.
IDC XI 22 10 02 17.5–6.8 27.90S 177.22W 0 3.4b,3.4
¶621611902
IDC Error ellipse: s-maj=313.3km s-min=103.7km az=162.0.
ISC XI 23 00 10 35.7–.31 30.94S–.05 179.67E–.06 450 4.4b 411 3-171
NOU XI 23 00 10 31.2 31.11S 179.14W 513 4.7b **¶621883580**
NEIC XI 23 00 10 35.2–1.4 30.93S–.10 179.6E–.10 435–6 4.5b
IDC XI 23 00 10 35.6–1.1 30.86S 179.61E 444–9 4.9,3.9b
GFZ XI 23 00 10 37.1–.49 31S–4.0 180E–5.0 454–5 4.8b,4.5b
WEL XI 23 00 10 39.4–1.1 31S–7.0 180W–15 424–16 5.4,5.2L
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 23 00 16 46.9–.73 30.97S–.08 179.7E–.10 450 4.0b 49 3-151
IDC XI 23 00 16 49.1–1.7 30.90S 179.55E 462–16 4.3,3.4b **¶621611936**
WEL XI 23 00 16 52.2–1.3 31S–8.0 180W–17 389–24 4.8,4.6b
ISC Event type se.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 23 19 21 53.6–1.1 30.48S–.08 179.4W–.30 300 46 2-152
IDC XI 23 19 21 55.3–3.5 30.60S 179.37W 334–32 4.3,2.8b **¶621611974**
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=31.0km az=94.0.
ISC XI 22 07 47 02.9–.45 29.42S–.05 176.93W–.07 31 4.5b,3.8s 116 1-164
IDC XI 22 07 46 58.7–.67 29.23S 177.10W 0 4.3L,4.3b **¶621428050**
NEIC XI 22 07 47 01.2–.85 29.42S–.10 176.9W–.10 16–5 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 24 14 04 43.6–.38 29.69S–.06 176.64W–.07 21 4.8b,4.5s 207 1-158
NOU XI 24 14 04 37.3 30.08S 175.99W 11 4.9b,4.5s **¶621883585**
BJI XI 24 14 04 40.5 29.28S 176.10W 12 5.6b,5.2b
GFZ XI 24 14 04 41.7–.31 30S–4.0 177W–5.0 10 6.0,6.0
IDC XI 24 14 04 41.2–.59 29.59S 176.88W 0 4.5b,4.5
NEIC XI 24 14 04 42.3–.98 29.65S–.09 176.6W–.10 10–1 4.9b,4.5
GCMT XI 24 14 04 46.9–.30 29.46S–.03 176.24W–.02 18–0 4.9W,4.5
ISC Event type se.
NOU Kermadec Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111241404A. Moment Tensor Solution. s40,c52; s95,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.94±.15 $M_{\theta\theta}$-0.53±.09; $M_{\phi\phi}$-2.41±.10; $M_{r\theta}$0.42±.27; $M_{\theta\phi}$-0.45±.06; $M_{\phi r}$1.27±.21; Best double couple: NP1:ϕ_s191.00000°,δ32.00000° ,λ87.00000°. NP2:ϕ_s15.00000°,δ58.00000°,λ92.00000°. Principal axes: T 3.2520,Plg77.0000°,Azm291.0000°; N -0.4270,Plg2.0000°,Azm194.0000° ; P -2.8200,Plg13.0000°,Azm103.0000° $M_0$3.03600×10^{16}
ISC XI 26 11 41 15.5–2.0 30.29S–.08 176.3W–.20 35 3.0s 24 2-146
IDC XI 26 11 41 12.3–2.9 30.42S 176.41W 0 4.2L,4.0 **¶621621998**
ISC Event type se.
IDC Error ellipse: s-maj=71.0km s-min=33.0km az=114.0.
ISC XI 25 21 42 38.1–.42 29.62S–.05 179.18W–.08 350 4.4b 196 1-158
IDC XI 25 21 42 37.4–1.8 29.40S 179.17W 334–16 4.6,3.9b **¶621468838**
NEIC XI 25 21 42 38.9–1.9 29.53S–.09 179.2W–.20 348–5 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 01 07 21 31.1–3.5 29.94S 176.59W 0 3.7,3.6b
¶621629793
IDC Error ellipse: s-maj=80.9km s-min=39.0km az=115.0.
ISC XI 27 05 43 43.3–1.6 28.5S–.20 177.3W–.30 54 3.9b 7 11-150
IDC XI 27 05 43 35.9–1.8 28.31S 177.25W 0 3.9b,3.9 **¶621625111**
ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=36.6km az=57.0.
WEL XI 29 09 58 54.3–1.3 32S–8.0 180W–15 375–25 4.5,4.3b
¶631564193
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC XII 01 00 23 03.0–7.2 31.06S 177.45W 0 3.8b,3.8
¶621629773
IDC Error ellipse: s-maj=310.9km s-min=57.0km az=156.0.
ISC XI 27 22 25 14.3–.46 31.10S–.05 178.27W–.09 35 4.5b,3.5s 84 2-153
IDC XI 27 22 25 08.8–.60 30.84S 178.12W 0 4.5b,4.4 **¶621883603**
NEIC XI 27 22 25 15.7–1.1 31.01S–.09 178.3W–.20 39–6 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 01 08 28.8–1.4 28.52S–.10 178.0W–.20 10 4.2b,3.8s 22 1-151
IDC XI 30 01 08 24.8–1.4 28.07S 177.56W 0 4.1b,4.1 **¶621627004**
NEIC XI 30 01 08 29.2–1.2 28.53S–.04 177.9W–.20 10–2 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 30 01 24 26.1–6.6 28.04S 177.09W 0 3.5b,3.5
¶621627005
IDC Error ellipse: s-maj=313.2km s-min=101.0km az=162.0.
ISC XII 01 01 38 13.4–.43 29.68S–.06 176.81W–.06 10 4.5b,4.2s 85 1-163
IDC XII 01 01 38 12.1–.53 29.46S 176.86W 0 4.2b,4.2 **¶621564934**
NEIC XII 01 01 38 13.6–1.5 29.63S–.10 176.76W–.04 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 02 01 20 00.8–6.0 28.83S 176.83W 0 3.6b,3.6
¶621629861
IDC Error ellipse: s-maj=335.6km s-min=84.0km az=164.0.
IDC XII 04 05 45 56.7–2.9 31.64S 177.34W 0 3.8b,3.8
¶621630641
IDC Error ellipse: s-maj=71.5km s-min=35.8km az=120.0.
ISC XII 06 04 19 45.4–.42 28.89S–.04 175.85W–.04 14–2 5.6b,5.4s 908 2-167
BJI XII 06 04 19 42.9 28.55S 175.44W 9 5.9b,5.4b **¶621613050**
IDC XII 06 04 19 43.9–.39 28.85S 176.18W 0 5.1b,5.0
PTWC XII 06 04 19 43 29.20S 175.40W 5.8,5.0
MOS XII 06 04 19 44.3–1.1 28.80S 176.09W 10 5.6b,5.2s
NEIC XII 06 04 19 45.4–1.9 28.84S–.08 175.9W–.10 11–3 5.7b,5.4
GFZ XII 06 04 19 45.7–.11 29S–3.0 176W–2.0 10 5.9,5.9b
NEIC XII 06 04 19 45.1 28.94S 175.88W 10 5.9,5.9b
NEIC XII 06 04 19 45.1 28.94S 175.88W 10 5.9,5.9b
GFZ XII 06 04 19 45.5 28.77S 176.00W 15 5.6W,5.9b
BGR XII 06 04 19 46.7 29.10S 175.22W 33 5.3s,5.9b
NOU XII 06 04 19 48.8 28.94S 175.86W 44 5.3b,5.9b
NEIC XII 06 04 19 50.6 28.74S 175.42W 18 5.6,5.9b
GCMT XII 06 04 19 50.0–.10 28.79S–.01 175.70W 12 5.5W,5.9b
ISC Event type ke.
PTWC KERMADEC ISLANDS REGION.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.24 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$1.27 $M_{r\theta}$-0.11 $M_{\theta\phi}$0.83 $M_{\phi r}$0.94 NP1:ϕ_s185.89000°,δ62.85000°,λ-113.11000°. NP2:ϕ_s48.97000°,δ35.07000° ,λ-52.57000°. Principal axes: T 1.8857,Plg15.0000°,Azm293.0000°; N -0.2380,Plg20.0000° ,Azm197.0000°; P -1.6477,Plg64.0000°,Azm56.0000° $M_0$1.78000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.81 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$2.84 $M_{r\theta}$0.06 $M_{\theta\phi}$0.37 $M_{\phi r}$-0.02 NP1: ϕ_s188.55782°,δ44.89910°,λ-88.11271°. NP2:ϕ_s5.89443°,δ45.13186°,λ-91.87964°. Principal axes: T 2.8871,Plg0.1164°,Azm97.2234°; N -0.0743,Plg1.3320°,Azm7.2207° ; P -2.8128,Plg88.6629°,Azm192.2171° $M_0$2.85065×10^{17}
BGR Event type ke.
NOU Kermadec Islands Region.
NEIC Event type se. Moment Tensor Solution.Duration: 3ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.18 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$3.31 $M_{r\theta}$0.77 $M_{\theta\phi}$0.84 $M_{\phi r}$0.06 NP1:ϕ_s359.66000°,δ44.64000° ,λ-109.53000°. NP2:ϕ_s206.15000°,δ48.53000°,λ-71.73000°. Principal axes: T 3.5084,Plg2.0000°,Azm283.0000°; N -0.1436,Plg14.0000°,Azm14.0000° ; P -3.3647,Plg76.0000°,Azm185.0000° $M_0$3.44000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112060419A. Moment Tensor Solution. s115,c227; s142,c292;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.11±.02 $M_{\theta\theta}$-0.60±.02; $M_{\phi\phi}$2.71±.02; $M_{r\theta}$-0.70±.07; $M_{\theta\phi}$0.28±.02; $M_{\phi r}$-0.20±.06; Best double couple: NP1: ϕ_s165.00000°,δ46.00000°,λ-120.00000°. NP2:ϕ_s24.00000°,δ52.00000°,λ-63.00000°. Principal axes: T 2.7470,Plg3.0000°,Azm95.0000°; N -0.3590,Plg21.0000°,Azm187.0000° ; P -2.3860,Plg69.0000°,Azm357.0000° $M_0$2.56700×10^{17}
ISC XII 04 16 56 24.8–.59 29.77S–.08 176.9W–.10 24 4.5b,3.7s 34 10-153
IDC XII 04 16 56 22.2–1.0 29.61S 177.01W 0 4.2b,4.2 **¶621883636**
NEIC XII 04 16 56 23.2–2.2 29.81S–.09 176.83W–.08 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 04 17 23 29.4–.45 31.64S–.05 179.73W–.08 200 4.4b 109 3-158
NEIC XII 04 17 23 30.4–2.0 31.62S–.08 179.6W–.10 204–5 4.4b **¶621612457**
IDC XII 04 17 23 35.2–1.8 31.41S 179.77W 248–16 4.6,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.7km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=13.3km az=5.0.
ISC XII 05 07 53 09.3–.00 31.35S–.08 177.7W–.20 26 4.2b 24 2-153
NEIC XII 05 07 53 05.4–.92 31.35S–.03 177.3W–.20 10–2 4.4b **¶621631238**
IDC XII 05 07 53 06.9–1.2 31.28S 177.77W 0 4.5s,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=4.4km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.8km s-min=31.7km az=72.0.
WEL XII 06 09 17 38.9–2.0 31S–13 179W–36 300 4.9,4.7
¶631564561
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 06 14 21 32.8–.32 27.95S–.03 176.80W–.05 100 4.7b 156 2-165
IDC XII 06 14 21 23.6–.48 27.29S 177.09W 0 4.6b,4.5 **¶621883645**
GFZ XII 06 14 21 31.3–.44 28S–4.0 177W–5.0 64–4 6.1b,5.8
NEIC XII 06 14 21 33.7–1.2 27.68S–.07 177.0W–.10 86–6 4.8b,5.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 10 13 27 55.4–.23 31.59S–.04 178.05W–.05 35 5.3b,4.7s 682 2-171
NOU XII 10 13 27 47.3 31.79S 176.93W 32 5.4b,4.7s **¶621627182**
BJI XII 10 13 27 52.5 31.64S 178.04W 26 5.5b,5.2b
IDC XII 10 13 27 53.9–2.1 31.42S 178.18W 21–12 4.8,4.7b
GFZ XII 10 13 27 54.5–.16 32S–3.0 178W–3.0 22 6.0,6.0b
MOS XII 10 13 27 55.6–.82 31.52S 178.32W 41 5.5b,6.0b
NEIC XII 10 13 27 55.9–.96 31.50S–.07 178.2W–.10 33–3 5.3b,5.2
GCMT XII 10 13 27 57.0–.10 31.51S–.01 177.91W–.01 30–0 5.3W,5.2
ISC Event type se.
NOU Kermadec Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112101327A. Moment Tensor Solution. s109,c169; s118,c203;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.83±.02 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$-0.83±.01; $M_{r\theta}$0.10±.02; $M_{\theta\phi}$-0.23±.01; $M_{\phi r}$0.75±.02; Best double couple: NP1: ϕ_s200.00000°,δ25.00000°,λ100.00000°. NP2:ϕ_s9.00000°,δ66.00000°,λ86.00000°. Principal axes: T 1.1180,Plg69.0000°,Azm271.0000°; N 0.0630,Plg4.0000°,Azm11.0000° ; P -1.1800,Plg21.0000°,Azm103.0000° $M_0$1.14900×10^{17}
ISC XII 08 17 52 09.6–.59 31.39S–.07 179.9E–.10 400 3.9b 78 3-151
NEIC XII 08 17 52 09.1–1.9 31.30S–.10 180.0E–.20 389–7 4.2b **¶621624258**
IDC XII 08 17 52 11.8–2.8 31.36S 179.79E 418–25 4.1,3.2b
WEL XII 08 17 52 15.4–1.2 32S–9.0 180W–22 344–25 5.0,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 06 18 39 57.3–.62 29.45S–.07 176.95W–.08 31 4.4b,3.5s 62 1-155
IDC XII 06 18 39 52.9–1.2 29.36S 176.95W 0 4.2b,4.2 **¶621632613**
NEIC XII 06 18 39 54.8–1.8 29.5S–.10 176.82W–.08 10–1 4.8b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL XII 08 14 19 21.0–2.6 31S–52 180E–113 413–84 4.4,4.4
¶631564671
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
ISC XII 07 15 03 15.7–.63 28.57S–.04 176.49W–.05 16–3 5.3b,5.0s 561 1-167
NOU XII 07 15 03 09.9 28.71S 175.33W 41 5.3b,5.0s **¶621883654**
BJI XII 07 15 03 10.4 28.67S 175.38W 16 5.7b,5.5b
IDC XII 07 15 03 13.8–.39 28.43S 176.70W 0 4.9b,4.9s
MOS XII 07 15 03 14.3–1.6 28.41S 176.65W 10 5.3b,5.0s
NEIC XII 07 15 03 16.7–1.2 28.35S–.10 176.34W–.10 22–4 5.3b,5.2
GCMT XII 07 15 03 20.5–.10 28.28S–.01 176.24W–.01 18–0 5.3W,5.2
GFZ XII 07 15 03 21.5–.31 28S–3.0 176W–5.0 59 5.2b,5.2

ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071503A. Moment Tensor Solution. s91,c151; s125,c213;Duration: 1$_S$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76±.02 $M_{\theta\theta}$-0.10±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$0.10±.03; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$0.68±.03; Best double couple: NP1: ϕ_S205.00000°,δ24.00000°,λ102.00000°. NP2:ϕ_S12.00000°,δ66.00000°,λ85.00000°. Principal axes: T 1.0350,Plg68.0000°,Azm272.0000°; N -0.0380,Plg5.0000°,Azm14.0000° ; P -0.9960,Plg21.0000°,Azm106.0000° $M_0$1.01500×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

WEL	**XII**	**10 22 58 27.1–1.1**	**32S–11**	**179W–27**	**224–24**	**4.7,4.6b**			
									¶631564796

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**XII**	**11 22 46 30.5–1.3**	**31.60S–.08**	**177.8W–.20**	**35**	**4.2b**	**16**	**2-146**	
IDC	XII	11 22 46 27.0–2.8	31.70S	177.89W	0	4.0b,3.9			**¶621644227**
NEIC	XII	11 22 46 28.1–2.4	31.58S–.09	177.7W–.10	10–2	4.3b,3.9			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**11 04 54 49.6–3.4**	**29.59S**	**175.82W**	**0**	**3.5,3.4b**			
									¶621644169

IDC Error ellipse: s-maj=86.8km s-min=38.9km az=118.0.

ISC	**XII**	**16 08 02 36.8–.30**	**31.02S–.04**	**179.64W–.06**	**350**	**4.6b**	**400**	**2-171**	
BGR	XII	16 08 02 22.7	33.76S	177.54W	360	4.6b			**¶621630970**
NEIC	XII	16 08 02 37.7–1.2	31.0S–.10	179.7W–.10	355–5	4.7b			
IDC	XII	16 08 02 38.4–1.2	30.80S	179.95W	359–11	4.8,4.1b			
WEL	XII	16 08 02 38.6–1.1	31S–7.0	179W–18	345–19	5.5b,5.0			

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

IDC	**XII**	**15 08 31 03.9–65**	**28.82S**	**178.07E**	**0**	**3.7b,3.7**			
									¶621654089

IDC Error ellipse: s-maj=1146.0km s-min=166.5km az=95.0.

IDC	**XII**	**16 12 19 09.9–3.5**	**29.00S**	**177.77W**	**0**	**3.7b,3.7**			
									¶621655778

IDC Error ellipse: s-maj=94.0km s-min=42.2km az=35.0.

ISC	**XII**	**16 23 29 20.4–.39**	**28.51S–.06**	**176.70W–.07**	**10**	**4.8b,4.2s**	**132**	**1-160**	
IDC	XII	16 23 29 18.7–.49	28.30S	176.93W	0	4.6L,4.5b			**¶621631485**
BJI	XII	16 23 29 19.8	28.66S	176.85W	10	5.1b,4.5b			
NEIC	XII	16 23 29 21.5–.89	28.46S–.08	176.8W–.10	10–1	4.9b,4.5b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**18 12 06 15.5–1.0**	**28.3S–.10**	**177.3W–.20**	**100**	**4.2b**	**27**	**1-150**	
IDC	XII	18 12 06 03.6–1.1	27.93S	177.32W	0	4.0b,4.0			**¶621657000**
NEIC	XII	18 12 06 13.3–.62	28.04S–.08	177.4W–.20	61–13	4.3b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**18 03 23 07.0–7.9**	**31.29S**	**179.36W**	**189–60**	**3.7,3.2b**			
									¶621656969

IDC Error ellipse: s-maj=73.5km s-min=25.9km az=46.0.

ISC	**XII**	**17 19 48 10.4–.33**	**28.96S–.05**	**178.18W–.06**	**178**	**4.5b**	**180**	**0-158**	
NEIC	XII	17 19 48 11.4–2.2	28.76S–.09	178.1W–.10	178–4	4.6b			**¶621633309**
GFZ	XII	17 19 48 11.1–.81	29S–4.0	178W–5.0	194–8	5.3b,4.7b			
IDC	XII	17 19 48 12.3–1.7	28.67S	178.34W	181–14	4.4,3.9b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=13.0km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.8km s-min=8.5km az=89.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=14.7km s-min=13.6km az=33.0.

IDC	**XII**	**20 06 22 35.5–1.0**	**28.12S**	**177.44W**	**0**	**3.8b,3.8**			
									¶621685589

IDC Error ellipse: s-maj=38.0km s-min=28.2km az=127.0.

IDC	**XII**	**18 10 56 54.8–3.1**	**30.23S**	**176.95W**	**0**	**3.7,3.5b**			
									¶621656995

IDC Error ellipse: s-maj=74.1km s-min=36.7km az=115.0.

WEL	**XII**	**20 11 57 08.9–.95**	**32S–7.0**	**180W–16**	**272–23**	**4.9,4.5b**			
									¶631565214

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

IDC	**XII**	**22 05 53 26.1–3.3**	**29.20S**	**176.86W**	**0**	**4.2b,4.1**			
									¶621686747

IDC Error ellipse: s-maj=73.7km s-min=50.8km az=121.0.

IDC	**XII**	**20 19 54 47.8–7.0**	**31.65S**	**178.18W**	**0**	**3.4b,3.4**			
									¶621685641

IDC Error ellipse: s-maj=300.6km s-min=62.1km az=158.0.

WEL	**XII**	**20 14 47 26.2–2.2**	**32S–31**	**180E–36**	**483–61**	**4.4,4.3**			
									¶631565223

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**XII**	**22 12 08 43.9–.88**	**29.26S–.09**	**176.7W–.10**	**35**	**4.3b**	**24**	**1-157**	
IDC	XII	22 12 08 39.3–1.6	28.93S	176.83W	0	4.2b,4.2			**¶621686767**
NEIC	XII	22 12 08 39.3–1.7	29.4S–.10	176.4W–.10	10–2	4.4b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

WEL	**XII**	**24 23 36 23.9–1.2**	**32S–16**	**179E–38**	**300**	**4.4,4.4**			
									¶631565438

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**XII**	**26 21 39 58.7–1.0**	**31.47S–.07**	**178.0W–.20**	**10**	**4.2b**	**21**	**2-146**	
IDC	XII	26 21 39 57.7–3.2	31.23S	178.11W	0	4.7s,4.1b			**¶621700261**
NEIC	XII	26 21 39 58.9–1.9	31.5S–.10	177.9W–.20	10–2	4.3b,4.1b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

WEL	**XII**	**26 22 18 50.3–2.5**	**32S–54**	**180E–91**	**426–96**	**4.1b,4.0**			
									¶631565552

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.

WEL	**XII**	**25 14 07 28.2–1.3**	**31S–16**	**180W–35**	**300**	**4.3,4.2b**			
									¶631565480

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

ISC	**XII**	**29 20 47 21.0–.49**	**30.12S–.05**	**179.41W–.10**	**300**	**4.0b**	**90**	**2-154**	
NEIC	XII	29 20 47 22.2–1.6	30.0S–.10	179.1W–.20	326–5	4.3b			**¶621724254**
IDC	XII	29 20 47 26.4–4.6	29.97S	179.34W	372–43	4.3,3.5b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=15.8km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=16.8km az=74.0.

IDC	**XII**	**28 15 28 03.6–3.5**	**29.75S**	**176.81W**	**0**	**3.7b,3.7**			
									¶621717398

IDC Error ellipse: s-maj=76.3km s-min=42.8km az=108.0.

ISC	**XII**	**28 07 51 14.0–2.5**	**31.8S–.10**	**178.9W–.40**	**10**		**18**	**6-146**	
IDC	XII	28 07 51 13.1–8.6	31.63S	179.00W	0	3.5b,3.5			**¶621717378**
WEL	XII	28 07 51 39.4–1.8	32S–9.0	178W–35	33	4.7b,4.3			

ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

IDC	**XII**	**28 23 06 57.0–5.8**	**30.50S**	**176.54W**	**0**	**4.0b,4.0**			
									¶621717423

IDC Error ellipse: s-maj=239.5km s-min=55.1km az=158.0.

ISC	**XII**	**29 00 08 01.9–.86**	**28.23S–.09**	**177.6W–.20**	**35**	**4.5b**	**30**	**1-156**	
IDC	XII	29 00 07 54.4–3.0	27.80S	177.27W	0	4.1b,4.1			**¶621724174**
NEIC	XII	29 00 08 01.0–1.4	28.22S–.09	177.56W–.04	18–6	4.8b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**29 22 08 29.2–2.0**	**31.93S**	**177.84W**	**0**	**3.8b,3.8**			
									¶621724261

IDC Error ellipse: s-maj=45.5km s-min=32.2km az=87.0.

ISC	**XII**	**30 21 17 57.4–.60**	**28.8S–.10**	**176.5W–.10**	**10**	**4.5b,4.0s**	**36**	**1-153**	
IDC	XII	30 21 17 56.7–.92	28.43S	176.80W	0	4.2b,4.2			**¶621726029**
NEIC	XII	30 21 17 58.1–2.8	28.9S–.20	176.5W–.10	10–1	4.9b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**30 15 49 39.1–1.3**	**30.04S–.08**	**176.5W–.10**	**24**	**4.2b**	**29**	**1-58**	
NEIC	XII	30 15 49 37.8–1.7	30.00S–.07	176.5W–.10	10–1	4.3b			**¶621726014**
IDC	XII	30 15 49 39.7–12	29.98S	177.08W	0	3.9b,3.9			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=7.6km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=233.0km s-min=45.0km az=91.0.

IDC	**XII**	**31 01 01 43.3–3.2**	**31.68S**	**178.19W**	**0**	**3.7b,3.7**			
									¶621726042

IDC Error ellipse: s-maj=75.8km s-min=48.0km az=119.0.

ISC	**XII**	**30 19 19 28.8–.34**	**28.86S–.05**	**176.31W–.05**	**10**	**5.0b,4.3s**	**315**	**1-161**	
GFZ	XII	30 19 19 16.7–1.4	29S–4.0	175W–20	10	4.8b,4.8			**¶621657564**
IDC	XII	30 19 19 28.7–.52	28.58S	176.67W	0	4.6b,4.6			
NEIC	XII	30 19 19 29.7–2.1	28.8S–.10	176.35W–.05	10–1	5.1b,4.6			
GCMT	XII	30 19 19 36.2–.50	28.59S–.05	176.17W–.03	21–1	4.9W,4.6			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112301919A. Moment Tensor Solution. s19,c21; s76,c99; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.48±.21 $M_{\theta\theta}$-0.47±.13; $M_{\phi\phi}$-2.00±.12; $M_{r\theta}$0.17±.29; $M_{\theta\phi}$-0.39±.07; $M_{\phi r}$0.76±.17; Best double couple: NP1:ϕ_S194.00000°,δ36.00000° ,λ90.00000°. NP2:ϕ_S13.00000°,δ54.00000°,λ90.00000°. Principal axes: T 2.6090,Plg81.0000°,Azm282.0000°; N -0.3800,Plg0.0000°,Azm14.0000° ; P -2.2240,Plg9.0000°,Azm104.0000° $M_0$2.41700×10^{16}

IDC	**XII**	**31 01 54 30.8–1.9**	**31.80S**	**178.15W**	**0**	**4.0b,3.9**			
									¶621726044

IDC Error ellipse: s-maj=43.9km s-min=33.4km az=87.0.

ISC	**XII**	**30 19 29 08.1–.71**	**29.00S–.07**	**176.1W–.10**	**10**	**4.6b**	**58**	**2-157**	
IDC	XII	30 19 29 08.1–1.3	29.03S	176.34W	0	4.4,4.3b			**¶621883795**
NEIC	XII	30 19 29 09.1–2.6	29.0S–.10	176.1W–.10	10–1	4.7b,4.3b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**31 17 02 32.2–.91**	**31.46S–.09**	**179.4W–.20**	**400**	**3.4b**	**55**	**3-152**	
IDC	XII	31 17 02 34.2–6.0	31.52S	179.97W	383–62	3.9,2.8b			**¶621726070**
WEL	XII	31 17 02 40.8–2.2	32S–36	179W–36	440–66	5.0,4.9b			
NEIC	XII	31 17 02 42.3–1.9	31.95S–.10	179.9W–.20	200–14	4.3b,4.9b			

ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**31 00 01 57.2–.97**	**31.8S–.10**	**178.0W–.20**	**10**	**4.2b,3.4s**	**25**	**3-153**	
IDC	XII	31 00 01 55.8–.94	31.57S	178.01W	0	4.0b,4.0			**¶621726037**
NEIC	XII	31 00 01 58.5–1.5	31.8S–.10	177.9W–.10	10–2	4.5b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(178) Kermadec Islands.

ISC	**VII**	**03 02 57 04.1–.82**	**30.55S–.20**	**177.2W–.20**	**24**	**4.2b,3.5s**	**14**	**13-153**	
IDC	VII	03 02 57 00.8–.87	30.39S	177.20W	0	4.2b,4.2			**¶620927786**

ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=26.9km az=155.0.

ISC	**VII**	**03 05 31 00.4–.92**	**29.3S–.20**	**177.0W–.20**	**31**	**4.2b**	**16**	**12-152**	
IDC	VII	03 05 30 56.1–.95	29.28S	177.06W	0	4.3b,4.3			**¶620927792**

ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=30.4km az=143.0.

IDC	**VII**	**03 19 40 08.4–8.3**	**30.46S**	**177.32W**	**0**	**3.3b,3.3**			
									¶620927833

IDC Error ellipse: s-maj=353.5km s-min=63.4km az=155.0.

ISC	**VII**	**04 15 01 10.3–.57**	**30.87S–.07**	**178.8W–.10**	**100**	**4.4b**	**42**	**2-145**	
NEIC	VII	04 15 01 14.3–1.8	30.7S–.20	178.7W–.20	130–10	4.4b			**¶620733905**
IDC	VII	04 15 01 28.1–5.3	30.61S	179.13W	263–48	4.4,3.8b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=22.6km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.4km s-min=19.9km az=60.0.

ISC	**VII**	**05 16 38 39.8–.96**	**29.7S–.10**	**177.1W–.20**	**31**	**4.5b,3.6s**	**32**	**9-155**	
IDC	VII	05 16 38 35.3–1.1	29.43S	177.13W	0	4.3b,4.3			**¶621112204**
NEIC	VII	05 16 38 37.2–1.7	29.8S–.10	177.1W–.20	10–1	4.6b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**05 17 56 09.8–1.0**	**30.8S–.10**	**177.8W–.20**	**10**	**4.3b**	**21**	**9-146**	
NEIC	VII	05 17 56 09.9–1.4	30.83S–.08	177.7W–.20	10–1	4.5b			**¶620927978**
IDC	VII	05 17 56 10.1–1.6	30.35S	178.04W	0	4.0b,4.0			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=8.6km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.1km s-min=35.8km az=23.0.

ISC	**VII**	**06 21 43 40.9–.91**	**29.7S–.10**	**177.9W–.20**	**10**	**4.5b**	**29**	**8-151**	
IDC	VII	06 21 43 38.5–1.1	29.22S	177.81W	0	4.3b,4.3			**¶620928062**
NEIC	VII	06 21 43 40.9–1.2	29.7S–.10	177.7W–.20	10–1	4.5b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**07 16 36 55.2–1.4**	**29.4S–.30**	**177.9W–.20**	**63**	**4.1b**	**12**	**16-151**	
IDC	VII	07 16 36 46.3–1.5	29.29S	177.76W	0	3.9b,3.9			**¶620913556**

ISC Event type se.
IDC Error ellipse: s-maj=46.8km s-min=33.3km az=26.0.

ISC	**VII**	**07 23 42 59.8–1.4**	**30.6S–.30**	**178.8W–.20**	**450**	**3.6b**	**9**	**34-151**	
IDC	VII	07 23 43 00.7–18	30.47S	178.67W	471–186	4.0,3.1b			**¶620928147**

ISC Event type se.
IDC Error ellipse: s-maj=110.2km s-min=25.1km az=54.0.

ISC	**VII**	**08 00 08 07.3–.67**	**29.6S–.10**	**178.7W–.20**	**150**	**4.0b**	**22**	**12-152**	
IDC	VII	08 00 08 06.5–5.0	29.57S	178.73W	141–42	4.2,3.7b			**¶620786347**

ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=19.4km az=104.0.

ISC	**VII**	**09 06 52 25.7–1.2**	**29.6S–.30**	**177.9W–.20**	**63**	**4.5b**	**9**	**12-151**	
IDC	VII	09 06 52 16.9–1.1	29.53S	177.80W	0	4.4b,4.4			**¶620928234**

ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=31.8km az=14.0.

IDC	**VII**	**09 07 28 35.2–8.8**	**30.52S**	**178.02W**	**0**	**3.5b,3.5**			
									¶620928238

IDC Error ellipse: s-maj=373.9km s-min=63.3km az=156.0.

ISC	**VII**	**09 09 04 52.1–1.8**	**29.1S–.30**	**177.5W–.30**	**57**	**3.6b**	**6**	**28-150**	
IDC	VII	09 09 04 44.5–1.9	29.06S	177.33W	0	3.7b,3.7			**¶620928247**

ISC Event type se.
IDC Error ellipse: s-maj=53.1km s-min=34.8km az=34.0.

IDC	**VII**	**09 14 44 38.1–3.5**	**29.36S**	**178.43W**	**0**	**3.8b,3.8**			
									¶620928269

IDC Error ellipse: s-maj=100.6km s-min=36.9km az=39.0.

ISC VII 10 03 58 56.1–.68 30.20S–.06 177.9W–.10 35 4.4b 46 1-163
IDC VII 10 03 58 50.2–.87 29.79S 177.80W 0 4.3b,4.3 **¶620928323**
NEIC VII 10 03 58 52.4–2.0 30.3S–.10 177.6W–.20 10–2 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 10 17 02 48.3–2.2 29.22S 177.68W 0 3.6b,3.6
¶620928369
IDC Error ellipse: s-maj=67.9km s-min=41.6km az=31.0.
ISC VII 10 18 13 52.6–1.2 30.3S–.30 178.1W–.20 46 3.8b 6 34-145
IDC VII 10 18 13 45.8–1.3 30.27S 178.05W 0 3.8b,3.8 **¶620928372**
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=30.7km az=179.0.
ISC VII 11 22 09 55.3–.85 30.0S–.10 178.2W–.10 100 4.4b 22 12-151
IDC VII 11 22 09 40.6–1.5 29.60S 177.77W 0 3.9b,3.9 **¶620928448**
NEIC VII 11 22 09 58.3–.82 30.1S–.10 178.1W–.20 131–8 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 12 07 44 05.0–.85 30.07S–.10 178.9W–.20 200 3.4b 32 1-151
IDC VII 12 07 44 10.1–5.0 29.58S 179.02W 239–45 4.0,3.2b **¶620928473**
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=20.4km az=69.0.
ISC VII 12 19 38 22.9–.52 29.77S–.05 179.00W–.10 350 4.0b 99 1-159
NEIC VII 12 19 38 15.0–2.0 29.6S–.10 178.9W–.20 259–9 4.2b **¶620928501**
IDC VII 12 19 38 28.3–3.8 29.53S 179.35W 381–36 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=16.8km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.7km s-min=13.9km az=76.0.
IDC VII 12 20 47 49.8–2.7 30.13S 178.29W 0 3.7b,3.7
¶620928503
IDC Error ellipse: s-maj=73.8km s-min=37.9km az=34.0.
ISC VII 12 21 46 41.3–.66 30.3S–.10 178.3W–.10 250 4.1b 35 8-152
NEIC VII 12 21 46 36.9–1.4 29.78S–.07 178.3W–.20 195–7 4.4b **¶621112230**
IDC VII 12 21 46 40.5–24 30.49S 178.25W 243–213 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=7.2km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=105.4km s-min=22.3km az=53.0.
IDC VII 13 09 31 05.5–7.5 30.26S 177.64W 0 3.9b,3.9
¶620928529
IDC Error ellipse: s-maj=320.4km s-min=53.1km az=155.0.
ISC VII 15 05 44 48.3–.36 29.65S–.04 178.98W–.05 306–3 4.8b 433 1-169
NEIC VII 15 05 44 44.2–1.1 29.58S–.10 179.0W–.10 258–7 4.8b **¶620829347**
NOU VII 15 05 44 45.1 29.83S 177.98W 353 4.9b
GFZ VII 15 05 44 46.3–.65 30S–3.0 179W–5.0 278–6 4.9b,4.6
IDC VII 15 05 44 49.3–.48 29.50S 178.90W 313–4 4.7,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.7km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Kermadec Islands, New Zealand.
GFZ Error ellipse: s-maj=10.4km s-min=6.1km az=66.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=11.4km s-min=10.6km az=96.0.
IDC VII 16 17 27 06.4–3.6 29.28S 177.92W 0 3.4b,3.4
¶620928723
IDC Error ellipse: s-maj=101.5km s-min=42.6km az=37.0.
IDC VII 17 19 39 22.9–5.2 29.57S 178.91W 0 3.6b,3.6
¶620928781
IDC Error ellipse: s-maj=246.8km s-min=80.0km az=165.0.
IDC VII 18 05 55 40.7–5.1 29.58S 178.09W 0 3.9b,3.9
¶620928803
IDC Error ellipse: s-maj=231.9km s-min=76.8km az=159.0.
IDC VII 20 05 42 55.3–2.1 30.99S 178.60W 0 3.9b,3.9
¶620961574
IDC Error ellipse: s-maj=60.8km s-min=35.7km az=45.0.
ISC VII 21 17 14 40.2–.43 29.92S–.05 177.39W–.07 35 4.5b,4.0s 120 1-159
IDC VII 21 17 14 35.4–.55 29.79S 177.44W 0 4.2b,4.2 **¶620913627**
NEIC VII 21 17 14 37.4–2.2 30.0S–.10 177.4W–.20 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 22 21 15 21.1–.91 30.3S–.20 177.6W–.20 33 4.5b 15 13-153
IDC VII 22 21 15 15.8–.84 30.26S 177.57W 0 4.3b,4.3 **¶620967850**
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=27.7km az=165.0.
ISC VII 23 23 21 19.3–.74 29.21S–.07 178.7W–.10 350 3.6b 48 1-150
IDC VII 23 23 21 12.9–5.6 29.43S 178.57W 292–48 4.1,3.4b **¶620967948**
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=27.1km az=108.0.
ISC VII 24 13 52 04.4–1.2 30.2S–.20 177.6W–.20 150 3.8b 10 16-151
IDC VII 24 13 52 08.5–12 30.14S 177.49W 200–111 4.0,3.5b **¶620970216**
ISC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=25.0km az=64.0.
IDC VII 24 13 58 22.3–5.4 29.35S 177.01W 0 3.4b,3.4
¶620970217
IDC Error ellipse: s-maj=318.7km s-min=76.8km az=165.0.
ISC VII 24 14 26 47.7–1.2 29.1S–.20 178.0W–.20 300 3.7b 9 16-150
IDC VII 24 14 26 48.7–9.3 29.19S 178.12W 305–84 4.1,3.5b **¶620970223**
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=22.9km az=64.0.
ISC VII 24 15 09 42.2–.68 30.11S–.06 177.1W–.10 10 4.1b 61 1-163
IDC VII 24 15 09 40.5–.72 29.79S 176.81W 0 4.1b,4.1 **¶620970228**
NEIC VII 24 15 09 42.8–2.2 30.1S–.10 177.1W–.20 10–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 24 16 31 05.9–8.2 30.13S 177.17W 0 4.0s,3.5b
¶620970234
IDC Error ellipse: s-maj=349.1km s-min=55.1km az=155.0.
ISC VII 24 18 09 35.9–.91 30.12S–.06 177.2W–.10 10 4.3b,3.6s 57 1-151
IDC VII 24 18 09 33.7–1.0 29.80S 177.01W 0 4.0b,4.0 **¶620970238**
NEIC VII 24 18 09 36.3–2.8 30.3S–.10 177.2W–.20 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 18 28 10.8–1.1 30.1S–.10 177.5W–.20 10 4.2b 28 10-151
IDC VII 24 18 28 08.9–1.2 29.68S 177.21W 0 4.0b,4.0 **¶620970240**
NEIC VII 24 18 28 11.4–2.5 30.2S–.10 177.5W–.20 10–2 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 24 20 56 36.2–5.4 29.66S 177.25W 0 3.3b,3.3
¶620970253
IDC Error ellipse: s-maj=324.9km s-min=75.1km az=165.0.
IDC VII 24 21 34 06.1–3.0 29.50S 177.01W 0 3.4b,3.4
¶620970256
IDC Error ellipse: s-maj=88.7km s-min=44.2km az=54.0.
ISC VII 25 13 57 36.9–1.0 29.5S–.20 178.2W–.20 250 3.7b 15 16-151
IDC VII 25 13 57 38.1–9.8 29.60S 178.18W 266–85 4.1,3.4b **¶620973769**
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=24.8km az=74.0.
ISC VII 25 18 53 32.5–1.0 30.17S–.10 177.7W–.20 10 4.3b 29 12-152
IDC VII 25 18 53 31.4–.98 30.01S 177.73W 0 4.3b,4.3 **¶620973788**
NEIC VII 25 18 53 32.7–2.2 30.1S–.10 177.6W–.20 10–2 4.3b,4.3
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 25 20 57 59.4–3.3 29.21S 177.78W 0 3.9b,3.9
¶620973795
IDC Error ellipse: s-maj=93.0km s-min=36.9km az=38.0.
ISC VII 26 02 34 49.2–.62 29.62S–.08 177.1W–.10 10 4.5b 44 13-154
IDC VII 26 02 34 47.5–.70 29.48S 177.11W 0 4.1b,4.1 **¶621112293**
NEIC VII 26 02 34 49.9–1.9 29.72S–.09 177.27W–.09 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 25 10 39 59.6–3.3 29.13S 177.50W 0 3.8b,3.8
¶620973760
IDC Error ellipse: s-maj=93.1km s-min=37.8km az=38.0.
IDC VII 25 10 43 13.2–1.8 29.26S 177.76W 0 3.9b,3.9
¶620973761
IDC Error ellipse: s-maj=50.9km s-min=35.6km az=29.0.
IDC VII 26 11 00 51.2–3.6 29.27S 177.84W 0 3.5b,3.5
¶620973838
IDC Error ellipse: s-maj=101.0km s-min=42.4km az=37.0.
ISC VII 26 19 01 25.5–1.0 29.5S–.30 177.1W–.20 31 4.1b 10 35-151
IDC VII 26 19 01 20.5–1.0 29.50S 177.01W 0 3.9b,3.9 **¶620973870**
ISC Event type se.
IDC Error ellipse: s-maj=45.4km s-min=29.7km az=160.0.
IDC VII 26 19 23 16.5–7.8 30.73S 177.61W 0 3.6b,3.6
¶620973874
IDC Error ellipse: s-maj=325.3km s-min=63.4km az=156.0.
IDC VII 26 20 57 52.4–5.4 29.35S 177.39W 0 3.4b,3.4
¶620973879
IDC Error ellipse: s-maj=299.1km s-min=80.0km az=165.0.
ISC VII 26 12 01 43.6–1.3 30.01S–.09 177.1W–.20 10 4.3b 25 10-151
IDC VII 26 12 01 41.2–1.7 29.43S 177.14W 0 4.0b,4.0 **¶620973842**
NEIC VII 26 12 01 43.7–2.5 30.05S–.08 177.0W–.20 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 26 09 49 21.1–.69 29.4S–.10 177.1W–.20 31 4.2b,3.8s 22 12-153
IDC VII 26 09 49 16.7–.83 29.38S 177.07W 0 4.1b,4.1 **¶620913645**
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=24.3km az=132.0.
IDC VII 26 09 53 51.1–2.2 30.41S 178.01W 0 3.9b,3.9
¶620973832
IDC Error ellipse: s-maj=61.5km s-min=40.0km az=30.0.
IDC VII 28 02 41 46.2–2.1 30.99S 178.70W 0 3.9b,3.9
¶620979591
IDC Error ellipse: s-maj=60.2km s-min=41.5km az=40.0.
IDC VII 26 12 58 20.1–2.7 29.95S 177.38W 0 3.7b,3.7
¶620973845
IDC Error ellipse: s-maj=78.1km s-min=40.9km az=34.0.
ISC VII 27 16 48 21.6–1.0 30.6S–.10 177.9W–.20 10 4.5b 25 9-152
NEIC VII 27 16 48 22.4–1.6 30.68S–.08 177.9W–.20 10–2 4.6b **¶620978969**
IDC VII 27 16 49 09.5–7.2 30.14S 179.12W 418–68 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=13.7km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.2km s-min=22.5km az=60.0.
IDC VII 29 12 48 26.8–1.5 29.27S 177.84W 0 3.8b,3.8
¶620984109
IDC Error ellipse: s-maj=43.6km s-min=31.8km az=6.0.
ISC VII 30 13 18 57.1–1.0 29.8S–.10 177.4W–.20 10 4.2b 27 10-151
IDC VII 30 13 18 54.8–1.4 29.50S 177.24W 0 3.9b,3.9 **¶620986070**
NEIC VII 30 13 18 57.4–1.4 29.8S–.10 177.28W–.08 10–2 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 14 43 43.1–.35 29.87S–.05 177.11W–.07 24 4.7b,3.8s 169 1-169
IDC VII 30 14 43 40.8–.58 29.66S 177.23W 0 4.3b,4.3 **¶621112323**
NEIC VII 30 14 43 41.1–1.5 29.74S–.09 177.1W–.10 10–1 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 01 12 14 04.7–1.1 29.3S–.30 178.1W–.20 63 4.2b 6 29-144
IDC VIII 01 12 13 57.0–1.3 29.36S 178.02W 0 4.2b,4.2 **¶620986210**
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=25.8km az=176.0.
ISC VII 31 22 05 10.4–.86 30.3S–.20 177.5W–.20 250 3.5b 14 17-153
IDC VII 31 22 05 13.1–9.9 30.33S 177.67W 272–88 4.0,3.3b **¶620986154**
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=25.0km az=56.0.
IDC VIII 01 22 08 50.7–6.9 30.39S 178.26W 0 3.7b,3.7
¶620986239
IDC Error ellipse: s-maj=281.1km s-min=59.8km az=155.0.
IDC VIII 02 04 26 37.7–2.8 29.71S 177.82W 0 3.9b,3.9
¶620993201
IDC Error ellipse: s-maj=77.4km s-min=37.2km az=34.0.
IDC VIII 02 10 00 59.3–3.4 29.37S 177.86W 0 3.8b,3.8
¶620993235
IDC Error ellipse: s-maj=96.5km s-min=36.9km az=39.0.
ISC VIII 02 02 48 21.7–.83 30.5S–.10 177.6W–.20 35 4.5b 45 8-153
NEIC VIII 02 02 48 22.3–2.5 30.4S–.10 177.5W–.20 35–2 4.5b **¶620993198**
IDC VIII 02 02 48 47.1–17 29.90S 178.56W 229–150 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=20.7km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.0km s-min=21.9km az=54.0.
IDC VIII 02 11 34 49.8–4.8 29.25S 178.37W 0 3.3b,3.3
¶620993239
IDC Error ellipse: s-maj=299.1km s-min=72.1km az=166.0.
ISC VIII 02 17 34 32.1–.38 30.53S–.04 177.59W–.07 10 4.8b,3.7s 239 1-163
NEIC VIII 02 17 34 33.0–2.0 30.5S–.10 177.7W–.20 10–1 4.8b,3.7s **¶620929577**
IDC VIII 02 17 34 44.3–4.9 30.39S 177.94W 99–40 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=16.9km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=14.7km az=75.0.
ISC VIII 02 01 27 39.5–.37 30.52S–.04 177.68W–.04 31–2 5.4b,5.3s 873 1-170
NOU VIII 02 01 27 30.3 30.60S 176.88W 0 5.5b,5.3s **¶621237406**
BJI VIII 02 01 27 35.3 30.04S 177.11W 13 5.5b,5.3s
MOS VIII 02 01 27 36.0–1.0 30.46S 177.81W 14 5.5b,5.3s
IPGP VIII 02 01 27 36.0 30.42S 177.82W 41 5.7W,5.3s
NEIC VIII 02 01 27 37 30.42S 177.82W 10 5.7W,5.3s
GFZ VIII 02 01 27 37.7 30.45S 177.78W 31 5.6W,5.3s
GFZ VIII 02 01 27 39.5–.49 30S–3.0 178W–3.0 24–3 5.5,5.4b
NEIC VIII 02 01 27 40.3–1.8 30.46S–.08 177.8W–.10 32–3 5.4b,5.3
IDC VIII 02 01 27 42.5–.52 30.34S 177.79W 55–4 5.1s,4.9
NEIC VIII 02 01 27 42.3 30.52S 177.24W 40 5.6,4.9
GCMT VIII 02 01 27 45.5–.10 30.47S–.01 177.50W–.01 37–0 5.7W,4.9
ISC Event type se.
NOU Kermadec Islands Region.
IPGP Moment Tensor Solution. NP1:ϕ_s212.00000°,δ35.00000°,λ107.00000°. NP2:ϕ_s12.00000°,δ57.00000°,λ78.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.31 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-2.42 $M_{r\theta}$0.10 $M_{\theta\phi}$-0.67 $M_{\phi r}$1.93 NP1: ϕ_s202.35722°,δ26.59355°,λ104.17389°. NP2:ϕ_s6.58572°,δ64.27639°,λ83.01126°. Principal axes: T 3.0061,Plg69.9183°,Azm262.0743°; N 0.2325,Plg6.2932°,Azm9.6313°; P -3.2387,Plg18.9893°,Azm101.8062° $M_0$3.12889×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.28 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-2.77 $M_{r\theta}$0.16 $M_{\theta\phi}$-1.09 $M_{\phi r}$1.53 NP1:ϕ_s208.30000°,δ33.07000° ,λ100.83000°. NP2:ϕ_s15.44000°,δ57.60000°,λ83.03000°. Principal axes: T 3.6432,Plg76.0000°,Azm264.0000°; N -0.1076,Plg6.0000°,Azm19.0000° ; P -3.5356,Plg12.0000°,Azm110.0000° M_o3.59000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108020127A. Moment Tensor Solution. s150,c313; s158,c314;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}3.90±.04 $M_{\theta\theta}$-0.24±.03; $M_{\phi\phi}$-3.67±.03; $M_{r\theta}$0.29±.04; $M_{\theta\phi}$-1.22±.03; $M_{\phi r}$2.50±.04; Best double couple: NP1: ϕ_s204.00000°,δ29.00000°,λ101.00000°. NP2:ϕ_s12.00000°,δ61.00000°,λ84.00000°. Principal axes: T 4.6520,Plg73.0000°,Azm267.0000°; N 0.1080,Plg5.0000°,Azm15.0000° ; P -4.7660,Plg16.0000°,Azm106.0000° M_o4.70900×10^{17}

IDC	**VIII**	**03 00 53 01.6–3.3**	**29.46S**	**178.07W**	**0**	**3.6b,3.6**			
									¶620995827
IDC	Error ellipse: s-maj=95.0km s-min=44.9km az=38.0.								
ISC	**VIII**	**02 01 39 09.3–1.4**	**29.4S–.30**	**177.9W–.30**	**63**	**4.2b**	**8**	**35-151**	
IDC	VIII	02 01 39 00.6–1.5	29.35S	177.79W	0	4.1b,4.1			**¶620993194**
ISC	Event type se.								
IDC	Error ellipse: s-maj=46.2km s-min=34.8km az=27.0.								
ISC	**VIII**	**03 22 53 37.9–1.2**	**30.6S–.20**	**178.7W–.30**	**35**	**4.1b**	**11**	**43-152**	
IDC	VIII	03 22 53 35.4–1.1	30.95S	179.06W	0	3.8b,3.8			**¶620970271**
ISC	Event type se.								
IDC	Error ellipse: s-maj=41.0km s-min=36.7km az=57.0.								
ISC	**VIII**	**07 01 06 10.6–1.6**	**29.2S–.30**	**177.8W–.20**	**35**	**4.5b**	**8**	**34-151**	
IDC	VIII	07 01 06 05.3–1.8	29.20S	177.82W	0	4.4b,4.4			**¶621000694**
ISC	Event type se.								
IDC	Error ellipse: s-maj=53.5km s-min=31.6km az=30.0.								
IDC	**VIII**	**06 08 23 47.4–21**	**29.55S**	**178.08W**	**373–219**	**3.7,3.0b**			
									¶620998870
IDC	Error ellipse: s-maj=73.9km s-min=38.7km az=54.0.								
ISC	**VIII**	**08 09 47 01.5–.73**	**29.9S–.10**	**178.5W–.10**	**10**	**4.1b**	**27**	**9-151**	
NEIC	VIII	08 09 47 01.9–1.2	29.99S–.05	178.5W–.10	10–1	4.1b			**¶621002123**
IDC	VIII	08 09 47 01.7–4.0	29.65S	178.62W	0	4.2b,4.2			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=18.9km s-min=8.1km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=211.6km s-min=38.2km az=157.0.								
ISC	**VIII**	**08 18 44 52.3–.72**	**29.72S–.08**	**177.7W–.10**	**10**	**4.4b,3.4s**	**63**	**9-159**	
IDC	VIII	08 18 44 49.4–.67	29.40S	177.52W	0	4.2b,4.2			**¶621002139**
NEIC	VIII	08 18 44 53.5–2.1	29.84S–.07	177.7W–.10	10–2	4.5b,4.2			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**08 11 45 26.0–1.8**	**29.2S–.30**	**177.8W–.30**	**35**	**4.0b**	**6**	**35-150**	
IDC	VIII	08 11 45 21.2–2.0	29.23S	177.85W	0	3.9b,3.9			**¶621002129**
ISC	Event type se.								
IDC	Error ellipse: s-maj=55.0km s-min=35.5km az=32.0.								
ISC	**VIII**	**09 04 39 46.0–1.8**	**29.4S–.30**	**178.0W–.30**	**63**	**4.1b**	**6**	**35-151**	
IDC	VIII	09 04 39 37.6–1.8	29.42S	177.92W	0	4.0b,4.0			**¶621007226**
ISC	Event type se.								
IDC	Error ellipse: s-maj=52.6km s-min=34.9km az=33.0.								
ISC	**VIII**	**10 11 41 53.6–1.7**	**29.5S–.30**	**177.9W–.30**	**63**	**3.9b**	**6**	**35-144**	
IDC	VIII	10 11 41 44.8–1.8	29.40S	177.73W	0	3.8b,3.8			**¶621008113**
ISC	Event type se.								
IDC	Error ellipse: s-maj=53.5km s-min=36.2km az=26.0.								
ISC	**VIII**	**09 20 41 13.0–.56**	**30.49S–.05**	**177.8W–.10**	**10**	**4.5b,3.6s**	**77**	**1-160**	
IDC	VIII	09 20 41 11.7–.69	30.36S	177.59W	0	4.3b,4.3			**¶621237425**
NEIC	VIII	09 20 41 13.1–1.5	30.37S–.09	177.5W–.10	10–1	4.6b,4.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	**VIII**	**09 15 42 35.9–3.2**	**29.43S**	**177.85W**	**0**	**3.7b,3.7**			
									¶621007271
IDC	Error ellipse: s-maj=85.7km s-min=40.9km az=34.0.								
ISC	**VIII**	**12 02 11 53.3–.37**	**29.76S–.05**	**177.04W–.07**	**24**	**4.8b,4.4s**	**196**	**1-172**	
GFZ	VIII	12 02 11 50.4–.33	30S–3.0	177W–5.0	10	4.8b,4.8			**¶620983367**
NEIC	VIII	12 02 11 52.0–2.0	29.78S–.09	176.9W–.20	10–1	4.9b,4.8			
GCMT	VIII	12 02 11 58.8–.40	29.51S–.03	176.38W–.04	35–1	5.3W,4.8			
IDC	VIII	12 02 12 01.0–5.0	29.59S	177.16W	82–42	4.4,4.3s			
ISC	Event type se.								
GFZ	Error ellipse: s-maj=11.8km s-min=6.8km az=107.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. Error ellipse: s-maj=24.2km s-min=14.3km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108120211A. Moment Tensor Solution. s39,c42; s70,c91; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.08 $M_{\theta\theta}$-0.24±.04; $M_{\phi\phi}$-0.80±.04; $M_{r\theta}$0.04±.05; $M_{\theta\phi}$-0.09±.03; $M_{\phi r}$0.61±.04; Best double couple: NP1:ϕ_s190.00000°,δ28.00000° ,λ93.00000°. NP2:ϕ_s6.00000°,δ62.00000°,λ88.00000°. Principal axes: T 1.2250,Plg73.0000° ,Azm272.0000°; N -0.2270,Plg1.0000°,Azm7.0000°; P -1.0010,Plg17.0000°,Azm98.0000° M_o1.11300×10^{17}								
IDC	Error ellipse: s-maj=22.8km s-min=16.0km az=87.0.								
ISC	**VIII**	**13 02 33 50.8–1.1**	**30.0S–.10**	**178.5W–.20**	**187**	**3.9b**	**13**	**13-151**	
IDC	VIII	13 02 33 54.6–6.1	29.95S	178.67W	219–51	4.3,3.7b			**¶621011986**
ISC	Event type se.								
IDC	Error ellipse: s-maj=36.0km s-min=25.8km az=120.0.								
IDC	**VIII**	**19 18 53 22.7–3.3**	**29.67S**	**178.16W**	**0**	**3.8b,3.8**			
									¶621039208
IDC	Error ellipse: s-maj=94.1km s-min=41.6km az=37.0.								
IDC	**VIII**	**14 15 26 01.1–4.5**	**29.86S**	**179.00W**	**0**	**3.7b,3.7**			
									¶621013518
IDC	Error ellipse: s-maj=177.1km s-min=70.9km az=160.0.								
IDC	**VIII**	**15 16 24 44.1–3.3**	**29.48S**	**178.19W**	**0**	**3.6b,3.6**			
									¶621023628
IDC	Error ellipse: s-maj=95.2km s-min=42.9km az=37.0.								
ISC	**VIII**	**19 00 20 49.6–.78**	**29.8S–.10**	**177.6W–.10**	**10**	**4.4b**	**44**	**8-163**	
IDC	VIII	19 00 20 47.4–.81	29.55S	177.46W	0	4.3b,4.3			**¶621039141**
NEIC	VIII	19 00 20 50.3–1.4	29.9S–.10	177.5W–.20	10–1	4.5b,4.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	**VIII**	**15 04 38 01.5–3.0**	**29.58S**	**177.96W**	**0**	**4.2b,4.2**			
									¶621023543
IDC	Error ellipse: s-maj=78.9km s-min=34.1km az=35.0.								
ISC	**VIII**	**18 06 57 18.2–.57**	**29.11S–.06**	**177.25W–.09**	**50**	**4.3b,3.6s**	**60**	**1-153**	
NEIC	VIII	18 06 57 24.4–1.3	28.9S–.10	177.6W–.20	93–6	4.4b,3.6s			**¶621030352**
IDC	VIII	18 06 57 25.8–4.9	28.79S	177.66W	112–41	4.2,3.9b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=19.4km s-min=14.3km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=27.4km s-min=21.0km az=103.0.								
ISC	**VIII**	**20 23 59 54.1–.59**	**29.96S–.06**	**178.50W–.09**	**187**	**4.4b**	**70**	**1-163**	
NEIC	VIII	20 23 59 58.3–1.4	29.8S–.10	178.6W–.20	215–4	4.5b			**¶621008640**
IDC	VIII	20 23 59 58.0–2.9	29.80S	178.77W	219–25	4.5,4.0b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=25.4km s-min=13.7km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=22.7km s-min=13.9km az=71.0.								
IDC	**VIII**	**19 15 24 28.6–4.4**	**29.79S**	**178.47W**	**0**	**4.0b,4.0**			
									¶621039202
IDC	Error ellipse: s-maj=168.2km s-min=68.8km az=159.0.								
ISC	**VIII**	**22 11 28 57.2–1.3**	**29.0S–.20**	**177.1W–.30**	**36**	**4.0b**	**8**	**16-153**	
IDC	VIII	22 11 28 53.4–1.6	29.27S	177.18W	0	3.8b,3.8			**¶621043080**
ISC	Event type se.								
IDC	Error ellipse: s-maj=49.0km s-min=30.2km az=51.0.								
IDC	**VIII**	**21 18 17 59.0–8.1**	**30.83S**	**177.17W**	**0**	**3.3b,3.3**			
									¶621043010
IDC	Error ellipse: s-maj=349.5km s-min=59.7km az=156.0.								
ISC	**VIII**	**28 03 05 59.2–1.3**	**29.8S–.50**	**177.8W–.30**	**50**			**9 43-163**	
IDC	VIII	28 03 05 51.0–1.3	29.52S	177.52W	0	3.7b,3.7			**¶621073083**
ISC	Event type se.								
IDC	Error ellipse: s-maj=67.9km s-min=38.4km az=169.0.								
IDC	**VIII**	**25 05 00 39.0–3.0**	**30.41S**	**178.56W**	**0**	**3.7b,3.7**			
									¶621058900
IDC	Error ellipse: s-maj=87.3km s-min=42.1km az=37.0.								
ISC	**VIII**	**25 05 58 04.6–.22**	**29.72S–.03**	**177.65W–.04**	**36–1**	**5.6b,4.9s**	**1115**	**1-173**	
IDC	VIII	25 05 57 59.5–.34	29.54S	177.73W	0	5.3b,5.3			**¶621003217**
MOS	VIII	25 05 58 00.0–.97	29.48S	177.77W	10	5.7b,5.0s			
BJI	VIII	25 05 58 01.5	29.63S	177.22W	33	5.9b,5.8b			
BGR	VIII	25 05 58 02.9	29.69S	179.79W	33	5.0s,5.8b			
IPGP	VIII	25 05 58 03.0	29.72S	177.57W	43	5.5W,5.8b			
NOU	VIII	25 05 58 04.9	29.84S	177.69W	36	5.5b,5.8b			
NEIC	VIII	25 05 58 05.0–2.5	29.67S–.07	177.6W–.10	34–1	5.7b,5.8b			
NEIC	VIII	25 05 58 06.7	29.60S	177.05W	60	5.4,5.8b			
NEIC	VIII	25 05 58 06.2	29.70S	177.63W	44	5.4,5.8b			
GFZ	VIII	25 05 58 07.9–.25	30S–2.0	178W–3.0	59–2	5.5b,5.5			
GFZ	VIII	25 05 58 08.3	29.64S	177.90W	55	5.4W,5.5			
GCMT	VIII	25 05 58 09.5–.10	29.57S–.01	177.51W–.01	55–0	5.5W,5.5			
ISC	Event type ke.								
BGR	Event type ke.								
IPGP	Moment Tensor Solution. NP1:ϕ_s212.00000°,δ34.00000°,λ90.00000°. NP2:ϕ_s31.00000° ,δ56.00000°,λ90.00000°.								
NOU	Kermadec Islands, New Zealand.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NEIC	Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.87 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-1.55 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.57 NP1:ϕ_s188.97000°,δ35.59000° ,λ87.13000°. NP2:ϕ_s12.49000°,δ54.46000°,λ92.05000°. Principal axes: T 1.9703,Plg80.0000°,Azm291.0000°; N -0.2728,Plg2.0000°,Azm191.0000° ; P -1.6975,Plg9.0000°,Azm101.0000° M_o1.85000×10^{17}								
NEIC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.56 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.58 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.80 NP1: ϕ_s181.88290°,δ31.44458°,λ78.73883°. NP2:ϕ_s15.01997°,δ59.22754°,λ96.80939°. Principal axes: T 1.7851,Plg74.8055°,Azm303.6756°; N 0.0443,Plg5.8470°,Azm191.5239° ; P -1.8294,Plg13.9744°,Azm100.0636° M_o1.80763×10^{17}								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108250558A. Moment Tensor Solution. s141,c274; s150,c283;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.02 $M_{\theta\theta}$-0.07±.02; $M_{\phi\phi}$-1.77±.02; $M_{r\theta}$0.34±.01; $M_{\theta\phi}$-0.32±.02; $M_{\phi r}$0.85±.02; Best double couple: NP1: ϕ_s185.00000°,δ32.00000°,λ82.00000°. NP2:ϕ_s15.00000°,δ58.00000°,λ95.00000°. Principal axes: T 2.0650,Plg76.0000°,Azm301.0000°; N -0.0280,Plg4.0000°,Azm192.0000° ; P -2.0380,Plg13.0000°,Azm101.0000° M_o2.05100×10^{17}								

ISC	**VIII**	**26 08 25 37.0–1.4**	**30.4S–.10**	**178.3W–.20**	**10**	**4.2b**	**21**	**8-151**	
IDC	VIII	26 08 25 31.3–1.6	29.37S	177.81W	0	4.2b,4.2			**¶621058987**
NEIC	VIII	26 08 25 36.4–1.8	30.2S–.10	178.1W–.20	10–2	4.3b,4.2			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**22 10 58 38.5–.68**	**29.51S–.04**	**177.21W–.06**	**44–5**	**4.9b,4.2s**	**399**	**1-172**	
GFZ	VIII	22 10 58 27.6–.28	29S–3.0	176W–5.0	10	4.9b,4.9			**¶620999533**
NEIC	VIII	22 10 58 37.9–.78	29.21S–.09	177.3W–.10	35–1	4.8b,4.9			
GCMT	VIII	22 10 58 39.4–.30	29.31S–.03	176.66W–.03	30–1	5.0W,4.9			
IDC	VIII	22 10 58 41.2–4.3	29.25S	177.49W	56–35	4.5,4.2b			
NOU	VIII	22 10 59 03.3	29.85S	178.51W	229	4.7b,4.2b			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=19.4km s-min=15.0km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108221058B. Moment Tensor Solution. s43,c53; s72,c100; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.04±.17 $M_{\theta\theta}$-0.20±.12; $M_{\phi\phi}$-2.84±.11; $M_{r\theta}$0.41±.20; $M_{\theta\phi}$-0.73±.09; $M_{\phi r}$2.15±.14; Best double couple: NP1:ϕ_s197.00000°,δ27.00000° ,λ94.00000°. NP2:ϕ_s12.00000°,δ63.00000°,λ88.00000°. Principal axes: T 3.7490,Plg72.0000°,Azm278.0000°; N -0.0200,Plg2.0000°,Azm13.0000° ; P -3.7340,Plg18.0000°,Azm104.0000° M_o3.74200×10^{16}								
IDC	Error ellipse: s-maj=18.6km s-min=14.2km az=89.0.								
NOU	Kermadec Islands, New Zealand.								
ISC	**VIII**	**23 19 43 45.3–.36**	**29.99S–.02**	**178.39W–.03**	**140–3**	**4.9b**	**474**	**1-169**	
GFZ	VIII	23 19 43 30.6–.15	30S–2.0	178W–3.0	10	5.1b,5.1			**¶621001055**
WEL	VIII	23 19 43 45.2–.72	30S–5.0	178W–13	120–6	5.5,5.5L			
GCMT	VIII	23 19 43 49.5–.30	29.79S–.03	178.24W–.02	160–3	5.0W,5.5L			
NEIC	VIII	23 19 43 50.9–1.2	29.8S–.10	178.6W–.10	179–5	4.8b,5.5L			
IDC	VIII	23 19 43 51.5–1.7	29.71S	178.55W	185–14	4.8,4.3b			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
WEL	Error ellipse: s-maj=17.2km s-min=6.3km az=100.5. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108231943A. Moment Tensor Solution. s22,c25; s86,c109; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.33±.12 $M_{\theta\theta}$0.54±.18; $M_{\phi\phi}$-0.86±.18; $M_{r\theta}$-0.64±.09; $M_{\theta\phi}$2.18±.17; $M_{\phi r}$-2.42±.10; Best double couple: NP1:ϕ_s282.00000°,δ43.00000° ,λ6.00000°. NP2:ϕ_s188.00000°,δ86.00000°,λ133.00000°. Principal axes: T 3.4960,Plg35.0000°,Azm133.0000°; N -0.1920,Plg43.0000°,Azm4.0000° ; P -3.3040,Plg28.0000°,Azm245.0000° M_o3.40000×10^{16}								
NEIC	Event type se. Error ellipse: s-maj=16.7km s-min=12.8km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=10.8km s-min=10.5km az=132.0.								
ISC	**VIII**	**31 02 52 49.6–.35**	**30.00S–.03**	**177.30W–.04**	**15–1**	**6.5s,6.2b**	**1797**	**1-173**	
BJI	VIII	31 02 52 47.0	29.55S	176.95W	10	6.6b,6.5s			**¶621237592**
IDC	VIII	31 02 52 47.9–.32	29.89S	177.41W	0	6.3s,5.7b			
IPGP	VIII	31 02 52 49.0	29.96S	177.52W	18	6.4W,5.7b			
GFZ	VIII	31 02 52 49.6–.19	30S–3.0	177W–3.0	10	6.3,6.1b			
NEIC	VIII	31 02 52 50.5–1.3	29.92S–.06	177.38W–.08	16–1	6.5,6.2b			
NEIC	VIII	31 02 52 50.5	29.91S	177.37W	16	6.5,6.2b			
ISC-P	VIII	31 02 52 50	29.92S	177.38W	35–0	6.8,6.2b			
PTWC	VIII	31 02 52 50	30.10S	176.60W	40	6.5,6.2b			
MOS	VIII	31 02 52 50.8–.97	29.86S	177.60W	24	6.4s,6.4b			
GFZ	VIII	31 02 52 50.2	29.92S	177.48W	24	6.4W,6.4b			
NEIC	VIII	31 02 52 50.5	29.91S	177.37W	16	6.4W,6.4b			
GCMT	VIII	31 02 52 56.4–.00	29.93S	177.11W	22–0	6.4W,6.4b			
NEIC	VIII	31 02 52 59.4	30.01S	177.02W	18	6.4,6.4b			
NOU	VIII	31 02 53 06.2	29.80S	177.60W	157	6.3,6.4b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=13.4km s-min=12.1km az=68.0.								
IPGP	Moment Tensor Solution. NP1:ϕ_s207.00000°,δ25.00000°,λ98.00000°. NP2:ϕ_s19.00000° ,δ65.00000°,λ86.00000°.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=13.0km s-min=8.1km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.47 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$-1.67 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.27 $M_{\phi r}$1.02 NP1:ϕ_s13.40000°,δ58.06000°,λ88.29000°. NP2:ϕ_s196.63000°,δ31.98000° ,λ92.74000°. Principal axes: T 2.7165,Plg77.0000°,Azm278.0000°; N -0.7272,Plg1.0000° ,Azm14.0000°; P -1.9892,Plg13.0000°,Azm105.0000° M_o2.44000×10^{18}								

NEIC Event type se.
ISC-P Moment Tensor Solution. s24 Moment tensor: Scale 10^{19}Nm; M_{rr}0.52±.15 $M_{\theta\theta}$0.01±.16; $M_{\phi\phi}$-0.51±.17; $M_{r\theta}$0.10±.11; $M_{\theta\phi}$0.38±.21; $M_{\phi r}$-0.28±.10; NP1:ϕ_s17.30000°,δ62.30000°,λ82.90000°. NP2:ϕ_s212.20000°,δ28.60000°,λ103.10000°. M_o2.04000×10^{19}
PTWC KERMADEC ISLANDS REGION.
MOS Error ellipse: s-maj=10.5km s-min=7.5km az=109.4.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}3.02 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-2.74 $M_{r\theta}$1.53 $M_{\theta\phi}$-0.63 $M_{\phi r}$4.60 NP1: ϕ_s190.05045°,δ15.80547°,λ82.68067°. NP2:ϕ_s17.65408°,δ74.32665°,λ92.06539°. Principal axes: T 5.7427,Plg60.6217°,Azm290.6318°; N -0.1369,Plg1.9886°,Azm197.0959° ; P -5.6057,Plg29.2976°,Azm105.9795° M_o5.67544×10^{18}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108310252A. Moment Tensor Solution. s165,c421; s167,c732;Duration: 3s9 Moment tensor: Scale 10^{18}Nm; M_{rr}4.15±.02 $M_{\theta\theta}$-0.13±.01; $M_{\phi\phi}$-4.02±.01; $M_{r\theta}$0.68±.03; $M_{\theta\phi}$-1.14±.01; $M_{\phi r}$2.78±.03; Best double couple: NP1:ϕ_s196.00000°,δ28.00000°,λ92.00000°. NP2:ϕ_s14.00000°,δ62.00000°,λ89.00000°. Principal axes: T 5.0260,Plg73.0000°,Azm282.0000°; N 0.1760,Plg1.0000°,Azm15.0000° ; P -5.2050,Plg17.0000°,Azm105.0000° M_o5.11600×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 8s9 Moment tensor: Scale 10^{18}Nm; M_{rr}4.23 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-4.18 $M_{r\theta}$-0.27 $M_{\theta\phi}$-0.74 $M_{\phi r}$2.58 NP1:ϕ_s197.92000°,δ30.34000°,λ104.10000°. NP2:ϕ_s1.70000°,δ60.67000°,λ81.89000°. Principal axes: T 5.0025,Plg73.0000°,Azm252.0000°; N -0.0163,Plg7.0000°,Azm6.0000° ; P -4.9863,Plg15.0000°,Azm98.0000° M_o4.99000×10^{18}
NOU Kermadec Islands, New Zealand.

ISC	**VIII**	**30 21 07 44.7–.60**	**29.50S–.08**	**177.8W–.10**	**50**	**4.5b,4.3s**	**51**	**0-151**	
NEIC	VIII	30 21 07 40.4–2.4	29.2S–.20	177.18W–.05	10–1	4.9b,4.3s			**¶621076544**
IDC	VIII	30 21 07 45.5–3.2	29.17S	177.85W	52–25	4.2,4.0s			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=6.6km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.1km s-min=23.2km az=160.0.

ISC	**VIII**	**31 03 01 52.2–.88**	**29.90S–.10**	**177.1W–.10**	**35**	**4.4b**	**30**	**1-163**	
NEIC	VIII	31 03 01 50.3–1.6	29.9S–.10	177.2W–.10	10–1	4.5b			**¶621237593**
IDC	VIII	31 03 02 14.7–15	30.29S	178.00W	220–126	4.2,3.6b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=10.2km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.6km s-min=39.5km az=97.0.

IDC	**VIII**	**31 05 32 55.5–5.8**	**29.18S**	**177.43W**	**0**	**3.4b,3.4**			**¶621076580**

IDC Error ellipse: s-maj=331.8km s-min=83.6km az=165.0.

IDC	**VIII**	**31 03 36 04.9–5.3**	**30.05S**	**177.38W**	**0**	**3.8b,3.8**			**¶621076567**

IDC Error ellipse: s-maj=252.9km s-min=49.5km az=158.0.

IDC	**VIII**	**31 03 40 04.1–6.3**	**29.07S**	**177.67W**	**0**	**3.4b,3.4**			**¶621076568**

IDC Error ellipse: s-maj=371.1km s-min=86.9km az=165.0.

ISC	**VIII**	**31 03 48 09.0–.51**	**29.88S–.09**	**177.5W–.10**	**35**	**4.5b**	**89**	**13-163**	
IDC	VIII	31 03 48 03.4–.59	29.86S	177.59W	0	4.3b,4.3			**¶621076570**
NEIC	VIII	31 03 48 05.9–1.7	30.0S–.10	177.4W–.20	10–1	4.6b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**31 03 05 13.2–.59**	**29.83S–.06**	**177.8W–.10**	**10**	**4.4b**	**41**	**1-151**	
IDC	VIII	31 03 05 10.0–1.0	29.47S	177.72W	0	4.1b,4.1			**¶621076561**
NEIC	VIII	31 03 05 13.2–2.7	29.89S–.05	177.7W–.10	10–1	4.4b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**31 03 22 22.4–.39**	**29.89S–.06**	**177.35W–.08**	**35**	**4.9b**	**223**	**1-169**	
IDC	VIII	31 03 22 17.1–.43	29.89S	177.40W	0	4.5b,4.5			**¶621011410**
NEIC	VIII	31 03 22 19.2–1.8	29.93S–.07	177.26W–.09	10–1	4.9b,4.5			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**31 07 38 31.4–3.5**	**29.02S**	**177.42W**	**0**	**3.6b,3.6**			**¶621076590**

IDC Error ellipse: s-maj=98.7km s-min=39.3km az=39.0.

IDC	**VIII**	**31 03 29 39.9–4.9**	**29.35S**	**177.51W**	**0**	**3.7b,3.7**			**¶621076566**

IDC Error ellipse: s-maj=281.5km s-min=55.9km az=162.0.

ISC	**VIII**	**31 08 45 02.9–.87**	**29.7S–.10**	**177.5W–.10**	**52**	**4.3b**	**28**	**1-151**	
NEIC	VIII	31 08 44 57.2–2.2	29.66S–.09	177.2W–.10	10–2	4.6b			**¶621076597**
IDC	VIII	31 08 45 19.4–9.5	29.28S	178.12W	177–82	4.3,3.9b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=13.1km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.1km s-min=31.8km az=97.0.

ISC	**VIII**	**31 04 06 44.8–.42**	**29.99S–.05**	**177.28W–.07**	**35**	**4.7b**	**146**	**1-159**	
IDC	VIII	31 04 06 39.4–.52	29.69S	177.26W	0	4.6s,4.4b			**¶621237597**
NEIC	VIII	31 04 06 41.9–1.9	29.99S–.06	177.26W–.09	10–1	4.8b,4.4b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**31 11 00 33.0–.60**	**30.05S–.05**	**177.7W–.10**	**35**	**4.3b,3.8s**	**70**	**1-163**	
IDC	VIII	31 11 00 27.8–.71	29.76S	177.49W	0	4.1b,4.1			**¶621076607**
NEIC	VIII	31 11 00 29.3–1.1	29.96S–.06	177.4W–.10	10–1	4.4b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**31 04 11 33.6–2.0**	**29.60S**	**177.34W**	**0**	**3.5b,3.5**			**¶621076573**

IDC Error ellipse: s-maj=64.1km s-min=45.2km az=38.0.

ISC	**VIII**	**31 04 23 18.3–.57**	**29.89S–.07**	**177.4W–.10**	**35**	**4.5b**	**50**	**1-162**	
IDC	VIII	31 04 23 11.8–.89	29.63S	177.36W	0	3.9b,3.9			**¶621076574**
NEIC	VIII	31 04 23 15.1–1.8	29.90S–.07	177.4W–.10	10–1	4.7b,3.9			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**31 04 26 16.9–.86**	**29.89S–.08**	**177.1W–.10**	**24**	**4.3b**	**43**	**1-163**	
IDC	VIII	31 04 26 13.4–1.0	29.77S	177.24W	0	4.0b,4.0			**¶621076575**
NEIC	VIII	31 04 26 15.8–.93	29.94S–.08	177.15W–.10	10–1	4.4b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**31 04 32 12.8–1.2**	**30.14S–.04**	**177.37W–.08**	**14–6**	**4.8b,4.5s**	**242**	**1-169**	
IDC	VIII	31 04 32 10.9–.45	29.94S	177.36W	0	4.6s,4.5b			**¶621013598**
NEIC	VIII	31 04 32 13.0–1.8	30.12S–.03	177.38W–.09	10–1	4.8b,4.5b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**31 08 25 36.9–3.1**	**29.27S**	**177.07W**	**0**	**3.6b,3.6**			**¶621076594**

IDC Error ellipse: s-maj=83.7km s-min=37.1km az=35.0.

IDC	**VIII**	**31 07 06 33.3–3.0**	**29.53S**	**177.32W**	**0**	**3.6b,3.6**			**¶621076586**

IDC Error ellipse: s-maj=88.5km s-min=42.9km az=36.0.

ISC	**VIII**	**31 04 45 34.8–.56**	**29.83S–.07**	**177.5W–.10**	**35**	**4.4b**	**53**	**1-159**	
IDC	VIII	31 04 45 29.6–.71	29.66S	177.49W	0	4.4b,4.4			**¶621076576**
NEIC	VIII	31 04 45 31.5–1.8	29.91S–.07	177.32W–.09	10–1	4.5b,4.4			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**31 13 44 12.2–4.7**	**30.03S**	**177.30W**	**0**	**4.0b,4.0**			**¶621076611**

IDC Error ellipse: s-maj=163.9km s-min=53.9km az=152.0.

ISC	**VIII**	**31 08 43 35.4–.61**	**30.10S–.05**	**177.4W–.10**	**10**	**4.5b,3.8s**	**75**	**1-153**	
NEIC	VIII	31 08 43 36.2–1.7	30.06S–.06	177.4W–.10	10–1	4.4b,3.8s			**¶621237604**
IDC	VIII	31 08 43 58.0–7.4	29.24S	178.16W	170–63	4.5,4.0b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=3.4km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.5km s-min=20.0km az=74.0.

ISC	**VIII**	**31 14 54 23.0–.41**	**30.04S–.04**	**177.21W–.06**	**10**	**4.6b,4.0s**	**111**	**1-169**	
IDC	VIII	31 14 54 21.8–.51	29.90S	177.30W	0	4.4b,4.4			**¶621076617**
NEIC	VIII	31 14 54 23.6–1.6	29.9S–.10	177.0W–.10	10–1	4.7b,4.4			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**31 05 22 29.8–3.6**	**29.05S**	**177.34W**	**0**	**3.5b,3.5**			**¶621076579**

IDC Error ellipse: s-maj=104.5km s-min=45.4km az=38.0.

ISC	**VIII**	**31 17 40 12.8–.68**	**30.03S–.06**	**177.3W–.10**	**10**	**4.6b**	**49**	**1-162**	
NEIC	VIII	31 17 40 13.5–1.8	29.9S–.10	177.2W–.10	10–1	4.6b			**¶621237607**
IDC	VIII	31 17 40 49.3–9.3	29.47S	178.53W	291–83	4.3,3.6b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=7.4km az=44.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.6km s-min=21.3km az=64.0.

IDC	**VIII**	**31 15 13 22.7–5.4**	**29.86S**	**178.14W**	**0**	**3.2b,3.2**			**¶621076619**

IDC Error ellipse: s-maj=294.7km s-min=78.1km az=166.0.

ISC	**VIII**	**31 18 00 00.4–.67**	**30.73S–.05**	**178.1W–.10**	**10**	**4.5b,3.4s**	**74**	**1-153**	
NEIC	VIII	31 18 00 00.9–1.5	30.70S–.07	177.9W–.20	10–1	4.5b,3.4s			**¶621076629**
IDC	VIII	31 18 00 00.1–.85	30.68S	178.24W	0	4.5b,4.4			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=12.1km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.0km s-min=26.7km az=133.0.

ISC	**VIII**	**31 13 30 19.6–.64**	**30.08S–.05**	**177.5W–.10**	**10**	**4.6b**	**74**	**1-159**	
NEIC	VIII	31 13 30 20.9–2.0	29.8S–.10	177.3W–.10	10–1	4.7b			**¶621076610**
IDC	VIII	31 13 30 27.5–5.3	29.67S	177.62W	58–41	4.4,4.1b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=16.1km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.6km s-min=20.5km az=142.0.

IDC	**VIII**	**31 18 25 20.6–7.2**	**30.87S**	**178.14W**	**0**	**3.6b,3.6**			**¶621076631**

IDC Error ellipse: s-maj=305.6km s-min=53.8km az=156.0.

ISC	**IX**	**01 08 11 19.5–.84**	**29.98S–.08**	**177.4W–.10**	**10**	**4.5b**	**40**	**1-152**	
NEIC	IX	01 08 11 19.7–2.0	29.97S–.05	177.4W–.20	10–1	4.8b			**¶621080605**
IDC	IX	01 08 11 20.4–1.1	29.01S	177.79W	0	4.3b,4.3			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=5.8km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.7km s-min=31.7km az=146.0.

ISC	**VIII**	**31 22 28 56.9–.43**	**29.91S–.07**	**177.31W–.09**	**35**	**4.7b,4.0s**	**122**	**10-163**	
IDC	VIII	31 22 28 52.0–.58	29.80S	177.39W	0	4.5b,4.5			**¶621076650**
NEIC	VIII	31 22 28 53.3–2.5	29.90S–.07	177.2W–.10	10–1	4.7b,4.5			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**02 00 07 45.8–1.7**	**30.3S–.20**	**177.1W–.30**	**24**	**4.1b**	**12**	**1-145**	
IDC	IX	02 00 07 42.9–3.0	29.52S	177.43W	0	3.8b,3.8			**¶621080646**
NEIC	IX	02 00 07 42.9–2.4	30.0S–.20	176.7W–.20	10–2	4.0b,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**IX**	**01 16 43 53.6–5.0**	**30.11S**	**177.83W**	**0**	**3.4b,3.4**			**¶621080633**

IDC Error ellipse: s-maj=282.2km s-min=71.8km az=166.0.

ISC	**IX**	**01 02 20 50.2–1.3**	**30.16S–.09**	**177.5W–.20**	**35**	**4.1b**	**15**	**1-145**	
IDC	IX	01 02 20 44.1–1.9	29.96S	177.08W	0	3.8b,3.8			**¶621080589**
NEIC	IX	01 02 20 46.6–.83	30.19S–.08	177.7W–.30	2–5	4.2b,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**03 23 20 23.7–.62**	**30.24S–.08**	**177.3W–.10**	**10**	**4.3b,3.7s**	**38**	**1-152**	
IDC	IX	03 23 20 21.0–.76	29.94S	177.28W	0	4.1b,4.1			**¶621081595**
NEIC	IX	03 23 20 23.5–1.1	30.22S–.09	177.4W–.20	7–5	4.5b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**IX**	**03 08 41 29.8–3.3**	**29.14S**	**177.45W**	**0**	**4.2s,3.8b**			**¶621081558**

IDC Error ellipse: s-maj=95.2km s-min=41.1km az=38.0.

ISC	**IX**	**05 13 49 20.9–.64**	**29.7S–.10**	**177.10W–.10**	**31**	**4.4b**	**40**	**1-153**	
NEIC	IX	05 13 49 20.0–1.5	29.72S–.10	177.13W–.07	18–5	4.6b			**¶621086411**
IDC	IX	05 13 50 15.5–7.0	29.65S	179.09W	491–71	4.1,3.3b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.8km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.2km s-min=21.5km az=62.0.

IDC	**IX**	**03 18 27 40.2–3.4**	**29.16S**	**177.41W**	**0**	**3.6b,3.6**			**¶621081585**

IDC Error ellipse: s-maj=95.3km s-min=42.2km az=36.0.

IDC	**IX**	**04 16 21 06.1–5.0**	**29.20S**	**177.06W**	**0**	**3.8b,3.8**			**¶621081640**

IDC Error ellipse: s-maj=148.0km s-min=53.3km az=142.0.

IDC	**IX**	**10 19 44 55.5–2.2**	**30.13S**	**177.22W**	**0**	**3.6b,3.6**			**¶621108538**

IDC Error ellipse: s-maj=62.7km s-min=42.2km az=39.0.

ISC	**IX**	**07 00 02 41.8–.66**	**29.99S–.09**	**177.5W–.10**	**35**	**4.5b**	**38**	**1-162**	
IDC	IX	07 00 02 35.2–.88	29.84S	177.25W	0	4.1b,4.1			**¶621240963**
NEIC	IX	07 00 02 38.4–2.5	30.00S–.10	177.5W–.10	10–1	4.6b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**12 13 38 07.9–1.1**	**30.26S–.09**	**177.5W–.20**	**33**	**4.3b**	**20**	**1-158**	
IDC	IX	12 13 38 04.3–4.3	30.26S	177.74W	0	4.3b,4.3			**¶621109658**
NEIC	IX	12 13 38 04.4–1.3	30.29S–.10	177.4W–.20	10–1	4.5b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**IX**	**13 23 24 00.9–3.2**	**29.30S**	**177.89W**	**0**	**4.0b,4.0**			**¶621109729**

IDC Error ellipse: s-maj=85.1km s-min=34.1km az=36.0.

ISC	**IX**	**18 09 35 43.3–1.3**	**30.6S–.10**	**177.8W–.20**	**10**	**4.1b**	**10**	**9-152**	
IDC	IX	18 09 35 40.3–1.2	30.12S	177.60W	0	4.0b,4.0			**¶621113558**

ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=32.6km az=27.0.

IDC	**IX**	**19 06 23 20.1–2.2**	**30.10S**	**177.54W**	**0**	**3.7b,3.7**			**¶621113611**

IDC Error ellipse: s-maj=62.6km s-min=42.8km az=40.0.

IDC	**IX**	**22 02 36 14.5–2.0**	**30.89S**	**178.70W**	**0**	**4.3b,4.3**			**¶621118111**

IDC Error ellipse: s-maj=59.3km s-min=33.7km az=45.0.

ISC	**IX**	**22 17 33 02.7–.28**	**29.88S–.03**	**177.54W–.05**	**35**	**5.1b,4.1s**	**439**	**1-172**	
NOU	IX	22 17 32 56.0	29.65S	176.20W	46	5.3b,4.1s			**¶621105938**
BJI	IX	22 17 32 58.1	29.74S	177.16W	14	5.5b,5.2b			
IDC	IX	22 17 32 58.0–.42	29.68S	177.54W	0	4.8b,4.8			

NEIC IX 22 17 32 59.4–2.4 29.82S–.07 177.4W–.10 10–1 5.1b,4.8
GFZ IX 22 17 33 00.4–.24 30S–3.0 178W–4.0 10 5.2b,5.1b
GCMT IX 22 17 33 07.1–.30 29.56S–.02 177.18W–.02 41–0 5.0W,5.1b
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221733A. Moment Tensor Solution. s53,c71; s76,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.30±.21 $M_{\theta\theta}$-0.77±.13; $M_{\phi\phi}$-3.53±.12; $M_{r\theta}$0.16±.13; $M_{\theta\phi}$-1.36±.11; $M_{\phi r}$2.03±.12; Best double couple: NP1:ϕ_s209.00000°,δ33.00000°,λ102.00000°. NP2:ϕ_s15.00000°,δ58.00000°,λ83.00000°. Principal axes: T 4.8000,Plg76.0000°,Azm263.0000°; N -0.2800,Plg6.0000°,Azm19.0000°; P -4.5180,Plg13.0000°,Azm110.0000° M_o4.65900×10^{16}

ISC IX 22 17 44 34.8–1.2 29.81S–.10 177.6W–.20 35 4.3b 21 1-151
NEIC IX 22 17 44 29.6–1.6 29.81S–.09 177.2W–.10 10–1 4.5b **¶621118168**
IDC IX 22 17 44 29.5–1.3 28.70S 177.65W 0 4.2b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=6.6km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.3km s-min=34.1km az=0.0.

ISC IX 23 06 58 46.4–1.1 30.10S–.07 177.4W–.20 10 4.3b 29 1-151
IDC IX 23 06 58 45.1–1.5 30.04S 177.41W 0 4.1,4.0b **¶621125834**
NEIC IX 23 06 58 45.8–.42 30.1S–.10 177.3W–.20 10–2 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 23 11 13 49.9–1.9 29.4S–.10 177.4W–.30 10 3.8b,3.5s 6 10-153
IDC IX 23 11 13 49.1–2.3 29.41S 177.49W 0 3.8b,3.8 **¶621125851**
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=35.4km az=70.0.

ISC IX 23 23 37 25.3–.45 30.00S–.06 177.16W–.10 24 4.7b,4.1s 108 1-163
IDC IX 23 23 37 21.5–.55 29.84S 177.17W 0 4.5L,4.4b **¶621109264**
NEIC IX 23 23 37 23.4–1.3 29.8S–.10 177.0W–.10 10–1 4.7b,4.4b
GCMT IX 23 23 37 28.2–.30 29.81S–.03 176.86W–.02 20–0 4.9W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109232337A. Moment Tensor Solution. s42,c54; s84,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.71±.17 $M_{\theta\theta}$0.28±.12; $M_{\phi\phi}$-2.99±.12; $M_{r\theta}$0.96±.25; $M_{\theta\phi}$-1.25±.09; $M_{\phi r}$0.48±.20; Best double couple: NP1:ϕ_s181.00000°,δ41.00000°,λ63.00000°. NP2:ϕ_s35.00000°,δ55.00000°,λ112.00000°. Principal axes: T 3.0450,Plg71.0000°,Azm359.0000°; N 0.4620,Plg17.0000°,Azm202.0000°; P -3.5090,Plg7.0000°,Azm110.0000° M_o3.27700×10^{16}

ISC IX 24 00 50 10.0–.48 29.94S–.06 177.45W–.09 35 4.5b,3.9s 90 1-163
IDC IX 24 00 50 04.6–.59 29.87S 177.22W 0 4.3b,4.3 **¶621241032**
NEIC IX 24 00 50 06.3–1.2 29.86S–.10 177.4W–.10 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC IX 24 01 20 31.7–2.0 29.14S 177.48W 0 4.0,3.9b
¶621126397
IDC Error ellipse: s-maj=47.1km s-min=34.0km az=75.0.

IDC IX 26 17 17 38.5–7.7 29.99S 177.10W 0 3.9b,3.9
¶626766118
IDC Error ellipse: s-maj=323.7km s-min=58.3km az=155.0.

ISC IX 25 13 38 23.9–.89 30.08S–.09 177.1W–.20 24 4.4b 33 8-152
IDC IX 25 13 38 20.4–.97 29.94S 177.00W 0 4.2b,4.2 **¶621131455**
NEIC IX 25 13 38 24.0–1.6 30.22S–.09 177.1W–.20 10–2 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 25 13 42 45.9–.42 30.10S–.04 177.22W–.07 10 4.8b,4.2s 205 1-169
IDC IX 25 13 42 44.8–.47 30.01S 177.31W 0 4.5b,4.5 **¶621241037**
NEIC IX 25 13 42 46.9–1.8 30.07S–.09 177.2W–.20 10–1 4.8b,4.5
GFZ IX 25 13 42 47.5–.32 30S–3.0 177W–6.0 10 4.8b,4.8
GCMT IX 25 13 42 50.8–.30 29.87S–.03 176.82W–.02 21–0 5.0W,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109251342A. Moment Tensor Solution. s53,c65; s92,c132; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.41±.18 $M_{\theta\theta}$-0.46±.10; $M_{\phi\phi}$-2.96±.11; $M_{r\theta}$0.29±.21; $M_{\theta\phi}$-0.85±.07; $M_{\phi r}$1.04±.15; Best double couple: NP1:ϕ_s198.00000°,δ36.00000°,λ91.00000°. NP2:ϕ_s17.00000°,δ54.00000°,λ90.00000°. Principal axes: T 3.5820,Plg81.0000°,Azm285.0000°; N -0.1920,Plg0.0000°,Azm17.0000°; P -3.3950,Plg9.0000°,Azm107.0000° M_o3.48800×10^{16}

IDC IX 26 12 10 31.9–3.4 30.42S 177.93W 0 3.2b,3.2
¶621131511
IDC Error ellipse: s-maj=78.1km s-min=49.4km az=114.0.

ISC IX 24 02 31 26.8–.56 30.05S–.07 177.3W–.10 10 4.5b,3.8s 58 1-163
IDC IX 24 02 31 25.1–.62 30.03S 177.29W 0 4.3b,4.3 **¶621241033**
NEIC IX 24 02 31 27.1–.88 29.96S–.09 177.1W–.10 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC IX 24 09 45 17.1–2.2 30.08S 177.39W 0 3.7b,3.7
¶621126424
IDC Error ellipse: s-maj=62.8km s-min=34.0km az=123.0.

IDC IX 25 15 16 55.9–1.9 30.27S 177.82W 0 3.7b,3.7
¶621131459
IDC Error ellipse: s-maj=46.0km s-min=32.9km az=59.0.

ISC IX 28 00 42 02.7–.47 30.30S–.06 178.1W–.10 46 4.6b,3.7s 93 1-169
IDC IX 28 00 41 57.0–.59 29.66S 177.82W 0 4.3b,4.3 **¶621140789**
NEIC IX 28 00 41 59.1–.87 30.23S–.05 177.6W–.20 15–5 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 27 15 16 32.8–2.8 29.94S–.09 177.6W–.40 35 4.0b 19 1-145
IDC IX 27 15 16 26.5–3.2 29.94S 177.40W 0 3.8,3.6b **¶621140724**
NEIC IX 27 15 16 31.4–1.4 29.99S–.03 177.7W–.20 10–2 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 26 23 06 09.7–.39 30.09S–.05 177.57W–.07 35 4.6b,3.9s 187 1-169
IDC IX 26 23 06 04.2–.50 29.83S 177.40W 0 4.4b,4.4 **¶621239823**
NEIC IX 26 23 06 07.2–1.7 30.06S–.05 177.4W–.10 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 26 17 03 58.6–.42 30.17S–.04 177.52W–.08 10 4.6b,4.2s 147 1-172
IDC IX 26 17 03 57.0–.50 29.99S 177.58W 0 4.5b,4.4 **¶621110436**
NEIC IX 26 17 03 59.5–2.1 30.0S–.10 177.5W–.10 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 28 10 15 36.0–.59 30.37S–.04 177.8W–.10 10 4.4b,3.7s 94 1-153
IDC IX 28 10 15 34.1–.86 30.35S 177.39W 0 4.2b,4.2 **¶621239826**
NEIC IX 28 10 15 36.6–1.4 30.33S–.05 177.8W–.20 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC X 02 13 16 05.7–2.9 29.47S 177.06W 0 3.6b,3.6
¶621186063
IDC Error ellipse: s-maj=84.3km s-min=35.8km az=40.0.

ISC IX 30 07 38 10.6–.36 30.01S–.04 177.24W–.07 24 4.8b,4.5s 179 1-163
IDC IX 30 07 38 06.3–.57 29.95S 177.04W 0 4.5b,4.5 **¶621239832**
NEIC IX 30 07 38 11.2–1.0 29.99S–.06 177.3W–.10 21–5 4.8b,4.5
GCMT IX 30 07 38 13.2–.20 29.84S–.02 176.76W–.01 20–0 5.2W,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109300738A. Moment Tensor Solution. s74,c100; s120,c185;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.51±.23 $M_{\theta\theta}$-0.81±.14; $M_{\phi\phi}$-5.70±.14; $M_{r\theta}$1.11±.30; $M_{\theta\phi}$-1.48±.09; $M_{\phi r}$3.57±.23; Best double couple: NP1:ϕ_s195.00000°,δ30.00000°,λ89.00000°. NP2:ϕ_s16.00000°,δ60.00000°,λ91.00000°. Principal axes: T 7.5350,Plg75.0000°,Azm288.0000°; N -0.4030,Plg1.0000°,Azm196.0000°; P -7.1370,Plg15.0000°,Azm106.0000° M_o7.33600×10^{16}

ISC X 04 06 34 11.9–.42 30.13S–.04 177.38W–.04 20–1 5.6b,5.5s 1004 1-172
PTWC X 04 06 34 07 30.30S 176.30W 46 6.0,5.5s **¶621117514**
IDC X 04 06 34 08.9–.37 29.88S 177.56W 0 5.3s,4.8b
BJI X 04 06 34 09.6 29.47S 176.80W 18 5.9b,5.5s
GFZ X 04 06 34 11.8–.16 30S–3.0 178W–3.0 10 6.0b,5.7
GFZ X 04 06 34 11.2 30.05S 177.61W 26 5.7W,5.7
NEIC X 04 06 34 13.9–.88 29.98S–.07 177.5W–.10 28–4 5.7b,5.5
MOS X 04 06 34 13.8–.83 29.94S 177.64W 38 5.6b,5.5s
NOU X 04 06 34 14.3 30.21S 177.24W 47 5.3b,5.5s
NEIC X 04 06 34 14.6 29.99S 177.52W 32 5.3b,5.5s
IPGP X 04 06 34 14.0 30.00S 177.51W 31 5.8W,5.5s
GCMT X 04 06 34 17.3–.10 30.02S–.01 177.27W–.01 33–0 5.8W,5.5s
NEIC X 04 06 34 17.1 30.09S 176.94W 36 5.7,5.5s
ISC Event type se.
PTWC KERMADEC ISLANDS REGION.
IDC Error ellipse: s-maj=15.9km s-min=14.8km az=116.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.01 $M_{\theta\theta}$0.13 $M_{\phi\phi}$-3.14 $M_{r\theta}$0.21 $M_{\theta\phi}$-0.88 $M_{\phi r}$3.63 NP1: ϕ_s204.12552°,δ21.42129°,λ107.27520°. NP2:ϕ_s5.65270°,δ69.58929°,λ83.35470°. Principal axes: T 4.6998,Plg64.8046°,Azm264.5705°; N 0.2780,Plg6.2264°,Azm7.9794°; P -4.9778,Plg24.3091°,Azm100.8042° M_o4.84477×10^{17}
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.1km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.7km s-min=8.1km az=79.4.
NOU Kermadec Islands, New Zealand.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s225.00000°,δ23.00000°,λ113.00000°. NP2:ϕ_s20.00000°,δ69.00000°,λ80.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110040634A. Moment Tensor Solution. s145,c294; s151,c299;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}4.42±.06 $M_{\theta\theta}$-0.26±.04; $M_{\phi\phi}$-4.16±.04; $M_{r\theta}$0.52±.07; $M_{\theta\phi}$-1.06±.03; $M_{\phi r}$3.52±.07; Best double couple: NP1: ϕ_s198.00000°,δ26.00000°,λ97.00000°. NP2:ϕ_s11.00000°,δ64.00000°,λ87.00000°. Principal axes: T 5.6820,Plg70.0000°,Azm274.0000°; N -0.0110,Plg3.0000°,Azm12.0000°; P -5.6740,Plg19.0000°,Azm103.0000° M_o5.67800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; M_{rr}4.12 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$-3.72 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.90 $M_{\phi r}$2.62 NP1:ϕ_s198.51000°,δ28.75000°,λ97.95000°. NP2:ϕ_s9.46000°,δ61.55000°,λ85.66000°. Principal axes: T 4.9148,Plg73.0000°,Azm269.0000°; N -0.2022,Plg4.0000°,Azm12.0000°; P -4.7126,Plg16.0000°,Azm103.0000° M_o4.82000×10^{17}

IDC X 04 06 43 16.3–5.8 30.03S 177.31W 0 4.0b,4.0
¶621203099
IDC Error ellipse: s-maj=231.7km s-min=51.0km az=151.0.

ISC X 04 06 52 48.0–.56 30.17S–.05 177.7W–.10 35 4.4b 106 1-159
IDC X 04 06 52 42.8–.64 29.96S 177.55W 0 4.5L,4.3b **¶621630033**
NEIC X 04 06 52 48.6–1.2 30.06S–.08 177.7W–.20 35–2 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC X 04 07 21 37.9–8.2 30.01S 177.22W 0 3.3b,3.3
¶635724170
IDC Error ellipse: s-maj=345.7km s-min=62.2km az=155.0.

ISC X 07 00 34 28.6–1.7 29.6S–.20 177.9W–.30 150 3.6b 6 10-151
IDC X 07 00 34 28.3–9.7 29.63S 177.87W 144–75 3.8,3.3b **¶621217176**
ISC Event type se.
IDC Error ellipse: s-maj=73.0km s-min=26.2km az=44.0.

ISC X 05 15 39 25.0–.96 29.90S–.08 177.1W–.10 10 4.0b 32 9-159
IDC X 05 15 39 22.9–1.3 29.90S 177.09W 0 3.9b,3.9 **¶621203178**
NEIC X 05 15 39 26.0–1.0 29.91S–.07 177.1W–.10 10–2 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC X 06 11 00 48.8–3.5 29.20S 177.40W 0 3.6b,3.6
¶621217148
IDC Error ellipse: s-maj=100.1km s-min=42.8km az=37.0.

IDC X 04 09 42 01.8–2.8 30.51S 177.30W 0 4.1,3.9b
¶621203112
IDC Error ellipse: s-maj=65.6km s-min=33.2km az=113.0.

IDC X 04 12 17 37.6–7.5 30.07S 177.42W 0 3.5b,3.5
¶621203119
IDC Error ellipse: s-maj=310.8km s-min=59.2km az=155.0.

IDC X 04 18 49 35.8–5.3 29.81S 177.33W 0 3.5b,3.5
¶621203134
IDC Error ellipse: s-maj=314.6km s-min=74.4km az=166.0.

IDC X 04 19 53 00.3–5.0 29.25S 178.23W 0 3.7b,3.7
¶621203136
IDC Error ellipse: s-maj=195.9km s-min=77.0km az=159.0.

ISC X 07 20 40 18.1–1.7 30.6S–.20 177.3W–.30 33 4.3b 9 9-152
IDC X 07 20 40 13.9–1.7 30.49S 177.46W 0 4.3b,4.3 **¶621217242**
ISC Event type se.
IDC Error ellipse: s-maj=54.9km s-min=29.4km az=135.0.

IDC X 07 21 29 25.6–7.8 30.88S 177.08W 0 3.9s,3.6b
¶621217245
IDC Error ellipse: s-maj=344.6km s-min=54.7km az=156.0.

ISC X 08 11 31 13.9–1.8 30.3S–.10 177.8W–.30 35 3.9b 7 9-145
IDC X 08 11 31 08.7–2.0 30.17S 177.75W 0 3.8,3.7b **¶621224650**
ISC Event type se.
IDC Error ellipse: s-maj=46.0km s-min=34.1km az=54.0.

ISC X 11 19 24 57.0–.93 30.65S–.09 177.3W–.10 33 4.5b 40 9-152
IDC X 11 19 24 52.5–.91 30.67S 177.38W 0 4.3b,4.3 **¶621236901**
NEIC X 11 19 24 54.6–1.8 30.7S–.10 177.3W–.20 10–2 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC X 08 17 02 18.1–5.3 29.15S 177.70W 0 3.5b,3.5
¶621224667
IDC Error ellipse: s-maj=245.0km s-min=85.4km az=164.0.

IDC X 08 19 20 16.3–4.5 30.27S 178.05W 0 3.8b,3.8
¶621224674
IDC Error ellipse: s-maj=200.8km s-min=39.0km az=154.0.

IDC X 12 17 38 30.8–5.0 29.18S 177.33W 0 3.7b,3.7
¶621236962
IDC Error ellipse: s-maj=234.7km s-min=74.3km az=159.0.

IDC X 22 17 50 14.4–2.8 29.87S 177.76W 0 3.8b,3.8
¶621309338
IDC Error ellipse: s-maj=75.6km s-min=36.8km az=34.0.

ISC X 13 12 24 15.2–.74 29.3S–.10 178.4W–.20 150 4.0b 18 10-148
IDC X 13 12 24 13.7–5.4 29.20S 178.47W 132–45 4.0,3.7b **¶621186171**
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=22.5km az=55.0.

IDC X 16 19 43 51.6–4.8 30.37S 177.86W 0 3.7b,3.7
¶621242137
IDC Error ellipse: s-maj=162.5km s-min=56.2km az=152.0.

IDC X 21 11 41 31.0–3.2 30.50S 177.25W 0 3.7,3.6b ¶621261409
IDC Error ellipse: s-maj=74.1km s-min=37.6km az=114.0.
ISC X 12 16 53 42.3–.79 30.62S–.08 178.4W–.10 35 4.5b 41 8-151
IDC X 12 16 53 35.1–1.4 30.37S 178.20W 0 4.3b,4.2 ¶621236959
NEIC X 12 16 53 41.8–1.4 30.6S–.10 178.2W–.20 35–7 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 17 19 08.3–.65 29.82S–.07 177.6W–.10 35 4.3b,3.4s 64 9-169
IDC X 12 17 19 02.6–.77 29.76S 177.45W 0 4.2b,4.2 ¶621630052
NEIC X 12 17 19 05.0–1.6 29.89S–.09 177.5W–.10 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 15 00 59 47.2–.48 30.82S–.08 178.67W–.09 87 4.6b 52 7-145
IDC X 15 00 59 37.2–1.6 30.92S 178.62W 0 4.1b,4.0 ¶621242022
NEIC X 15 00 59 47.8–1.1 30.84S–.10 178.7W–.10 87–7 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 15 29 27.7–.68 30.47S–.09 177.3W–.10 33 4.3b 36 8-152
NEIC X 16 15 29 24.7–1.5 30.5S–.10 177.2W–.10 10–1 4.3b ¶621242127
IDC X 16 15 29 24.0–1.2 30.50S 177.48W 0 4.2b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=15.1km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.7km s-min=28.5km az=120.0.
ISC X 17 02 30 56.2–.32 29.98S–.05 177.39W–.06 10 5.1b,4.0s 356 9-169
NOU X 17 02 30 45.8 30.34S 176.50W 0 5.3b,4.0s ¶621630059
IDC X 17 02 30 55.1–.42 29.77S 177.58W 0 4.8b,4.8
NEIC X 17 02 30 57.2–2.8 29.91S–.09 177.5W–.10 10–1 5.1b,4.8
GCMT X 17 02 31 03.8–.30 29.84S–.03 177.40W–.02 38–0 5.0W,4.8
GFZ X 17 02 31 10.0–1.0 30S–5.0 178W–5.0 109–9 5.4b,4.9b
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110170230A. Moment Tensor Solution. s35,c44; s68,c83; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.30±.21 $M_{\theta\theta}$-0.64±.13; $M_{\phi\phi}$-2.67±.12; $M_{r\theta}$0.41±.14; $M_{\theta\phi}$-1.32±.11; $M_{\phi r}$1.50±.10; Best double couple: NP1:ϕ_s211.00000°,δ33.00000° ,λ98.00000°. NP2:ϕ_s22.00000°,δ58.00000°,λ85.00000°. Principal axes: T 3.6580,Plg77.0000°,Azm276.0000°; N -0.0070,Plg4.0000°,Azm24.0000° ; P -3.6560,Plg12.0000°,Azm115.0000° $M_0$3.65700×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 28 02 12 51.3–.56 29.97S–.08 177.7W–.10 35 4.5b 58 8-162
IDC X 28 02 12 45.7–.62 29.82S 177.66W 0 4.3b,4.3 ¶621630079
NEIC X 28 02 12 52.0–1.8 29.93S–.05 177.6W–.20 35–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 25 14 03 41.0–9.1 29.29S 178.52W 0 3.8b,3.8 ¶621366434
IDC Error ellipse: s-maj=234.8km s-min=38.8km az=38.0.
ISC X 24 18 12 21.6–.77 29.32S–.06 178.7W–.10 250 4.2b 67 9-151
IDC X 24 18 12 22.9–2.5 29.12S 178.97W 260–22 4.3,3.3b ¶621366406
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=16.2km az=86.0.
ISC X 25 03 38 46.7–.42 29.67S–.05 177.14W–.07 31 4.7b,4.2s 150 1-162
IDC X 25 03 38 41.8–.68 29.37S 177.20W 0 4.4b,4.4 ¶621238480
NEIC X 25 03 38 47.8–1.8 29.64S–.05 177.20W–.06 35–1 4.9b,4.4
GCMT X 25 03 38 48.4–.20 29.32S–.02 176.63W–.02 25–0 5.1W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110250338B. Moment Tensor Solution. s57,c75; s94,c132; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.89±.21 $M_{\theta\theta}$-0.91±.14; $M_{\phi\phi}$-3.98±.13; $M_{r\theta}$0.91±.34; $M_{\theta\phi}$-1.36±.09; $M_{\phi r}$2.43±.24; Best double couple: NP1:ϕ_s201.00000°,δ31.00000° ,λ90.00000°. NP2:ϕ_s21.00000°,δ59.00000°,λ90.00000°. Principal axes: T 5.5600,Plg76.0000°,Azm290.0000°; N -0.3920,Plg0.0000°,Azm21.0000° ; P -5.1660,Plg14.0000°,Azm111.0000° $M_0$5.36300×10^{16}
IDC XI 01 08 33 48.2–2.8 30.46S 177.63W 0 4.1b,4.1 ¶621401257
IDC Error ellipse: s-maj=65.1km s-min=42.4km az=128.0.
IDC X 31 23 17 07.1–2.9 29.60S 177.73W 0 4.0b,4.0 ¶621395276
IDC Error ellipse: s-maj=79.0km s-min=37.3km az=34.0.
ISC X 30 19 00 59.4–.66 30.48S–.06 177.9W–.10 46 4.4b,3.5s 71 1-153
IDC X 30 19 00 53.1–.76 30.41S 177.88W 0 4.3b,4.3 ¶621395193
NEIC X 30 19 00 58.6–1.3 30.39S–.07 177.8W–.20 35–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 30 19 02 32.5–3.4 29.29S 177.88W 0 4.1b,4.1 ¶621395194
IDC Error ellipse: s-maj=90.0km s-min=42.2km az=34.0.
ISC XI 03 09 35 34.2–1.3 29.0S–.20 178.4W–.30 200 3.5b 13 10-164
IDC XI 03 09 35 08.4–1.1 28.63S 177.80W 0 3.8b,3.8 ¶621412236
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=27.4km az=60.0.
ISC XI 02 14 21 53.9–1.1 30.21S–.08 177.1W–.20 24 4.0b 26 1-145
IDC XI 02 14 21 50.1–1.8 30.18S 177.16W 0 3.8,3.7b ¶621401344
NEIC XI 02 14 21 52.1–1.9 30.20S–.07 177.08W–.08 10–1 4.5b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 04 06 10 22.6–.91 30.50S–.07 177.6W–.10 33 4.2b 28 1-145
IDC XI 04 06 10 18.1–2.0 30.44S 177.60W 0 4.1b,4.1 ¶621412277
NEIC XI 04 06 10 19.0–1.2 30.43S–.09 177.4W–.20 10–2 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 06 08 31 02.9–2.2 30.14S 177.32W 0 3.7b,3.7 ¶621415974
IDC Error ellipse: s-maj=62.5km s-min=42.6km az=41.0.
ISC XI 05 10 55 33.8–1.2 30.26S–.07 177.7W–.20 33 4.4b 25 1-158
IDC XI 05 10 55 28.6–2.2 30.33S 177.53W 0 4.5b,4.3 ¶621413969
NEIC XI 05 10 55 35.2–.94 30.2S–.10 177.7W–.20 35–2 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 06 08 39 31.0–1.8 30.2S–.10 177.5W–.30 35 3.9b 7 9-145
IDC XI 06 08 39 23.8–2.5 29.80S 177.24W 0 3.7b,3.7 ¶621415975
ISC Event type se.
IDC Error ellipse: s-maj=55.3km s-min=39.0km az=47.0.
ISC XI 10 21 13 44.9–.89 29.81S–.07 177.5W–.10 35 4.4b 32 1-152
IDC XI 10 21 13 38.8–1.2 29.77S 177.25W 0 4.3b,4.3 ¶621440081
NEIC XI 10 21 13 44.6–1.5 29.70S–.07 177.3W–.20 34–9 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 07 08 47 12.4–.54 30.31S–.06 178.0W–.10 35 4.3b 76 1-163
IDC XI 07 08 47 07.0–.67 30.13S 178.04W 0 4.2b,4.2 ¶621883492
NEIC XI 07 08 47 12.8–.65 30.33S–.10 177.8W–.20 35–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC XI 07 10 16 47.1–2.1 30.92S 178.67W 0 3.5b,3.5 ¶621416032
IDC Error ellipse: s-maj=50.8km s-min=36.4km az=64.0.
IDC XI 06 07 31 58.5–1.7 30.85S 178.62W 0 3.7b,3.7 ¶621415973
IDC Error ellipse: s-maj=52.4km s-min=33.4km az=60.0.
IDC XI 07 20 11 12.3–7.5 30.58S 178.45W 0 3.4b,3.4 ¶621416048
IDC Error ellipse: s-maj=314.9km s-min=58.2km az=156.0.
ISC XI 14 00 18 12.6–.47 30.13S–.05 177.49W–.07 32–2 4.7b,4.1s 188 1-169
IDC XI 14 00 18 07.8–.51 30.03S 177.58W 0 4.4b,4.4 ¶621402874
NEIC XI 14 00 18 13.1–1.8 30.10S–.07 177.5W–.10 35–1 4.8b,4.4
GFZ XI 14 00 18 15.9–.29 30S–5.0 177W–5.0 52 5.0b,4.8b
GCMT XI 14 00 18 16.0–.40 30.16S–.04 177.14W–.03 33–1 4.9W,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111140018A. Moment Tensor Solution. s36,c43; s55,c70; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.91±.20 $M_{\theta\theta}$-0.73±.13; $M_{\phi\phi}$-2.18±.12; $M_{r\theta}$-0.18±.16; $M_{\theta\phi}$-0.75±.09; $M_{\phi r}$1.13±.11; Best double couple: NP1:ϕ_s211.00000°,δ36.00000° ,λ105.00000°. NP2:ϕ_s13.00000°,δ56.00000°,λ79.00000°. Principal axes: T 3.1790,Plg76.0000°,Azm248.0000°; N -0.5020,Plg9.0000°,Azm19.0000° ; P -2.6730,Plg10.0000°,Azm110.0000° $M_0$2.92600×10^{16}
ISC XI 12 17 56 10.9–1.8 30.4S–.10 177.7W–.30 33 4.2b 7 9-145
IDC XI 12 17 56 05.8–1.8 30.26S 177.69W 0 4.2b,4.1 ¶621460220
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=32.7km az=54.0.
ISC XI 11 06 35 32.0–.31 30.24S–.04 177.85W–.06 50 5.2b,4.2s 287 1-163
NOU XI 11 06 35 07.7 30.14S 175.23W 5 5.4b,4.2s ¶621883512
GFZ XI 11 06 35 26.1–.26 30S–4.0 178W–4.0 10 6.1b,6.0
NEIC XI 11 06 35 31.2–.92 30.27S–.07 177.9W–.10 35–2 5.0b,6.0
IDC XI 11 06 35 32.6–2.3 30.22S 177.85W 48–20 4.6,4.3b
GCMT XI 11 06 35 34.7–.20 30.32S–.02 177.61W–.02 45–0 5.1W,4.3b
ISC Event type se.
NOU Kermadec Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111110635A. Moment Tensor Solution. s70,c93; s95,c139; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.80±.17 $M_{\theta\theta}$-0.59±.11; $M_{\phi\phi}$-4.21±.10; $M_{r\theta}$0.24±.09; $M_{\theta\phi}$-1.35±.08; $M_{\phi r}$2.00±.08; Best double couple: NP1:ϕ_s203.00000°,δ34.00000° ,λ97.00000°. NP2:ϕ_s14.00000°,δ56.00000°,λ85.00000°. Principal axes: T 5.2240,Plg78.0000°,Azm268.0000°; N -0.1720,Plg4.0000°,Azm17.0000° ; P -5.0540,Plg11.0000°,Azm107.0000° $M_0$5.13900×10^{16}
ISC XI 18 11 15 06.0–.47 29.12S–.06 177.37W–.09 81 4.5b 112 0-152
IDC XI 18 11 14 56.5–.60 28.54S 177.49W 0 4.3b,4.3 ¶621423191
NEIC XI 18 11 15 06.3–1.4 29.10S–.10 177.4W–.10 81–5 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 16 18 06 16.8–2.3 30.76S 178.46W 0 3.5b,3.5 ¶621475686
IDC Error ellipse: s-maj=66.5km s-min=38.0km az=46.0.
ISC XI 14 06 45 12.2–1.1 30.6S–.20 178.4W–.20 100 4.0b 15 1-145
IDC XI 14 06 45 00.7–1.5 30.66S 178.42W 0 4.0b,3.9 ¶621468651
NEIC XI 14 06 45 11.0–.73 30.73S–.07 178.5W–.30 72–11 4.0b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 10 08 28.2–.94 29.9S–.20 177.9W–.20 10 4.1b,3.5s 15 9-151
IDC XI 19 10 08 26.6–1.0 29.85S 177.90W 0 4.1b,4.1 ¶621590280
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=27.9km az=146.0.
ISC XI 19 11 08 59.5–.86 29.4S–.10 177.0W–.20 10 4.1b,3.8s 14 10-152
IDC XI 19 11 08 58.0–.95 29.20S 176.98W 0 4.0b,4.0 ¶621590286
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=24.1km az=98.0.
ISC XI 23 06 36 38.6–1.8 30.9S–.10 178.0W–.30 46 4.1b 7 8-146
IDC XI 23 06 36 31.6–1.8 30.69S 177.88W 0 4.1b,4.1 ¶621611944
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=32.0km az=52.0.
ISC XI 22 01 53 55.7–.76 30.22S–.06 177.6W–.10 35 4.5b 39 1-153
IDC XI 22 01 53 50.3–.91 29.98S 177.50W 0 4.5s,4.4b ¶621611886
NEIC XI 22 01 53 54.4–1.6 30.15S–.06 177.5W–.10 21–4 4.6b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 22 05 33 20.4–8.8 30.52S 178.70W 366–99 4.0,3.3b ¶621611891
IDC Error ellipse: s-maj=112.5km s-min=40.9km az=2.0.
ISC XI 24 05 28 02.7–1.6 29.5S–.20 177.2W–.30 10 3.9b 6 13-151
IDC XI 24 05 27 59.7–1.9 29.13S 176.98W 0 3.8b,3.8 ¶621613962
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=38.9km az=38.0.
ISC XI 23 23 26 17.1–.70 29.28S–.07 177.02W–.09 31 4.2b,3.6s 40 1-153
IDC XI 23 23 26 12.5–.94 29.13S 176.96W 0 4.2,4.1L ¶621611983
NEIC XI 23 23 26 17.3–1.6 29.39S–.04 176.96W–.09 28–7 4.4b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 27 08 05 33.1–1.4 30.4S–.10 177.6W–.20 33 4.1b,3.0s 9 9-152
IDC XI 27 08 05 27.9–1.4 30.24S 177.55W 0 4.0b,4.0 ¶621625115
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=31.7km az=63.0.
ISC XI 24 23 26 56.1–.50 29.00S–.05 178.77W–.09 300 4.0b 79 1-156
NEIC XI 24 23 26 55.6–2.1 28.60S–.10 178.8W–.20 275–6 4.3b ¶621614011
IDC XI 24 23 26 58.9–2.2 28.45S 178.74W 309–19 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=14.3km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.7km s-min=17.4km az=88.0.
ISC XI 28 20 59 18.8–.54 30.81S–.07 178.0W–.10 46 4.3b 40 2-153
IDC XI 28 20 59 13.2–.98 30.56S 178.20W 0 4.1b,4.1 ¶621625192
NEIC XI 28 20 59 18.6–1.1 30.90S–.06 178.0W–.20 35–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 28 10 36 36.1–2.0 30.47S 177.58W 0 3.7b,3.7 ¶621625173
IDC Error ellipse: s-maj=44.8km s-min=33.7km az=86.0.
ISC XII 01 22 53 21.5–.93 30.76S–.06 177.9W–.20 10 4.5b,3.2s 46 1-153
IDC XII 01 22 53 20.6–1.0 30.41S 177.92W 0 4.3b,4.3 ¶621629855
NEIC XII 01 22 53 21.5–1.7 30.82S–.03 177.7W–.20 10–2 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 30 21 50 39.0–7.3 30.38S 178.43W 0 3.6b,3.6 ¶621627098
IDC Error ellipse: s-maj=305.8km s-min=56.0km az=156.0.
IDC XII 01 08 14 44.5–3.4 30.55S 177.22W 0 3.5,3.4b ¶621629798
IDC Error ellipse: s-maj=79.3km s-min=38.7km az=113.0.
ISC XI 28 17 26 19.2–1.9 29.1S–.40 177.8W–.30 50 3.8b 6 34-150
IDC XI 28 17 26 11.7–1.5 29.05S 177.72W 0 3.9b,3.9 ¶621625184
ISC Event type se.

IDC Error ellipse: s-maj=50.5km s-min=33.9km az=42.0.
ISC XI 30 00 50 34.4–1.0 29.37S–.10 177.1W–.20 31 4.4b 26 1-157
NEIC XI 30 00 50 29.1–1.8 29.2S–.10 176.70W–.08 10–2 4.7b ¶621627003
IDC XI 30 00 50 29.8–1.3 29.15S 177.21W 0 4.3b,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=7.7km az=26.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.8km s-min=27.7km az=85.0.
ISC XII 04 06 38 28.8–.55 30.49S–.05 177.76W–.10 46 4.5b,4.0s 70 1-163
IDC XII 04 06 38 23.0–.73 30.23S 177.78W 0 4.3,4.2b ¶621883634
NEIC XII 04 06 38 27.7–1.6 30.36S–.05 177.6W–.20 31–7 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 04 10 06 19.2–1.2 29.56S–.09 177.2W–.20 31 4.2b 26 1-148
IDC XII 04 10 06 14.6–1.7 29.34S 177.13W 0 4.0b,4.0 ¶621630661
NEIC XII 04 10 06 15.1–.84 29.6S–.20 176.88W–.10 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 06 15 41 42.7–11 29.71S 178.52W 165–85 3.6,3.2b
¶621632604
IDC Error ellipse: s-maj=87.9km s-min=31.6km az=43.0.
IDC XII 04 08 25 22.8–3.0 30.81S 177.41W 0 3.8,3.7b
¶621630654
IDC Error ellipse: s-maj=69.4km s-min=35.7km az=117.0.
IDC XII 07 06 42 49.8–11 30.03S 177.32W 0 3.8b,3.8
¶621632643
IDC Error ellipse: s-maj=490.7km s-min=56.7km az=155.0.
ISC XII 07 01 04 01.3–1.6 30.5S–.10 178.1W–.20 10 14 8-149
IDC XII 07 01 03 59.5–6.5 30.51S 177.76W 0 4.3b,4.3 ¶621883652
ISC Event type se.
IDC Error ellipse: s-maj=302.4km s-min=57.1km az=160.0.
IDC XII 08 18 37 44.2–2.1 30.16S 177.74W 0 3.8s,3.6b
¶621634739
IDC Error ellipse: s-maj=60.2km s-min=42.0km az=38.0.
IDC XII 07 16 57 52.9–8.3 30.31S 177.13W 0 3.4b,3.4
¶621632681
IDC Error ellipse: s-maj=358.3km s-min=58.0km az=155.0.
ISC XII 09 03 09 08.9–1.5 30.11S–.08 177.8W–.20 50 4.1b 18 1-145
IDC XII 09 03 09 01.6–3.1 29.34S 177.93W 0 4.0b,4.0 ¶621636545
NEIC XII 09 03 09 08.9–.96 30.13S–.09 177.7W–.30 51–14 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 10 21 57 11.4–5.7 29.41S 177.82W 0 3.5b,3.5
¶621644149
IDC Error ellipse: s-maj=336.7km s-min=79.2km az=165.0.
IDC XII 14 07 16 46.5–4.2 29.88S 178.50W 0 3.8,3.7b
¶621652894
IDC Error ellipse: s-maj=91.7km s-min=35.0km az=47.0.
ISC XII 11 00 07 01.5–.78 29.89S–.06 177.4W–.10 10 4.5b,3.6s 36 1-163
IDC XII 11 00 06 58.6–.89 29.48S 177.26W 0 4.4b,4.4 ¶621883680
NEIC XII 11 00 06 60.0–1.1 29.78S–.10 177.18W–.10 10–1 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 11 43 08.7–1.8 30.4S–.10 177.8W–.30 46 3.9b 7 9-145
IDC XII 14 11 43 00.2–2.5 30.01S 177.46W 0 4.0,3.8b ¶621652917
ISC Event type se.
IDC Error ellipse: s-maj=56.3km s-min=38.1km az=46.0.
ISC XII 14 12 45 39.9–.33 30.38S–.04 177.64W–.07 33 5.0b,4.0s 290 1-159
IDC XII 14 12 45 35.6–.47 30.27S 177.88W 0 4.6b,4.6 ¶621629969
BJI XII 14 12 45 35.1 29.86S 176.90W 8 5.6b,5.1b
NEIC XII 14 12 45 36.4–1.4 30.35S–.07 177.5W–.10 10–1 5.2b,5.1b
GFZ XII 14 12 45 47.2–.37 30S–5.0 178W–6.0 83 5.1b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC XII 15 10 49 16.3–3.2 29.44S 177.94W 0 4.0b,4.0
¶621654101
IDC Error ellipse: s-maj=85.4km s-min=34.1km az=36.0.
ISC XII 14 13 17 36.8–.86 30.44S–.07 177.8W–.20 46 4.3b 25 1-145
IDC XII 14 13 17 28.6–2.0 30.18S 177.33W 0 3.8,3.7b ¶621652921
NEIC XII 14 13 17 33.3–2.1 30.45S–.05 177.7W–.10 10–1 4.7b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 15 13 04 33.9–3.3 29.75S 178.13W 0 3.5b,3.5
¶621654112
IDC Error ellipse: s-maj=96.4km s-min=43.6km az=38.0.
ISC XII 15 03 02 50.7–.79 30.49S–.05 177.7W–.10 23–3 4.8b,3.5s 186 1-158
IDC XII 15 03 02 47.5–.77 30.22S 177.73W 0 4.8b,4.8 ¶621883702
NEIC XII 15 03 02 49.4–1.5 30.43S–.06 177.7W–.20 10–1 4.7b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 21 21 53.3–1.8 30.3S–.10 178.0W–.30 35 4.1b 7 9-145
IDC XII 17 21 21 47.4–1.9 30.19S 177.83W 0 4.1b,4.0 ¶621656952
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=35.4km az=56.0.
IDC XII 19 21 16 14.1–8.3 30.23S 177.60W 0 3.3b,3.3
¶621657104
IDC Error ellipse: s-maj=345.4km s-min=64.8km az=155.0.
IDC XII 19 01 12 34.9–6.6 29.25S 178.90W 0 3.6b,3.6
¶621657047
IDC Error ellipse: s-maj=396.6km s-min=86.6km az=166.0.
ISC XII 20 03 16 09.1–.67 30.86S–.07 178.3W–.10 87 4.3b 30 2-153
IDC XII 20 03 15 57.8–1.2 30.36S 178.20W 0 4.1b,4.1 ¶621685579
NEIC XII 20 03 16 08.8–2.0 30.95S–.07 178.3W–.10 77–10 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 06 35 51.9–.71 29.83S–.06 177.8W–.10 50 4.8s,4.5b 57 1-157
IDC XII 22 06 35 44.9–.85 29.53S 177.69W 0 4.7s,4.3b ¶621883739
NEIC XII 22 06 35 50.4–2.1 29.83S–.04 177.6W–.20 33–5 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 20 19 52 37.3–8.7 30.56S 178.04W 0 3.4b,3.4
¶621685640
IDC Error ellipse: s-maj=371.0km s-min=57.7km az=156.0.
ISC XII 21 07 18 47.1–.62 30.23S–.07 177.5W–.10 35 4.5b,3.7s 66 1-156
IDC XII 21 07 18 42.4–.84 29.98S 177.51W 0 4.4L,4.4b ¶621883732
NEIC XII 21 07 18 44.4–2.0 30.14S–.06 177.4W–.10 10–1 4.6b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 23 00 00 14.2–.94 29.88S–.08 177.0W–.10 10 4.7s,4.1b 31 1-153
IDC XII 23 00 00 12.6–1.5 29.64S 177.04W 0 4.7s,4.0b ¶621686795
NEIC XII 23 00 00 14.2–1.5 29.8S–.10 176.9W–.20 9–7 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 25 11 17 53.1–1.4 30.58S–.06 177.4W–.20 33 4.3b,3.4s 41 1-152
IDC XII 25 11 17 50.4–1.2 30.62S 177.57W 0 4.3b,4.2 ¶621700149
NEIC XII 25 11 17 53.1–1.2 30.46S–.06 177.59W–.08 10–1 4.4b,4.2
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 26 23 33 10.7–1.2 29.5S–.10 177.2W–.20 35 4.0b 12 10-153
IDC XII 26 23 33 05.0–1.2 29.22S 177.09W 0 4.0b,3.9 ¶621700269
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=34.9km az=71.0.
ISC XII 27 03 47 15.1–.63 30.49S–.08 177.2W–.10 10 4.5b,3.8s 44 1-153
IDC XII 27 03 47 14.0–.71 30.34S 177.26W 0 4.2b,4.2 ¶621717283
NEIC XII 27 03 47 16.1–1.1 30.39S–.07 177.2W–.10 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 13 34 34.4–.51 30.34S–.06 177.84W–.09 10 4.5b 41 1-151
IDC XII 30 13 34 33.1–1.5 30.47S 177.38W 0 4.3b,4.3 ¶621726010
NEIC XII 30 13 34 34.8–1.4 30.36S–.01 177.8W–.10 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 26 19 24 27.4–7.7 30.16S 177.62W 0 3.3b,3.3
¶621700243
IDC Error ellipse: s-maj=323.9km s-min=59.2km az=155.0.

(179) South of Kermadec Islands.

ISC VII 02 15 29 52.3–.66 34.59S–.06 179.59W–.10 10 4.3b 94 3-154
IDC VII 02 15 29 51.0–.80 34.20S 179.84W 0 4.3b,4.2 ¶621112190
NEIC VII 02 15 29 54.6–1.8 34.49S–.09 179.91E–.06 10–2 4.5b,4.2
WEL VII 02 15 30 00.2–1.3 35S–7.0 180W–13 10 4.4,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 03 10 03 44.0–2.3 33S–44 180E–91 394–45 4.2b,3.8
¶626186177
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 03 10 32 07.6–1.6 34S–29 179E–30 221–46 3.6,3.5L
¶626186178
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 04 10 44 36.8–1.4 33.12S–.07 179.8E–.20 150 3.5b 63 5-152
IDC VII 04 10 44 13.8–1.7 32.82S 179.77W 0 3.6b,3.6 ¶620927869
WEL VII 04 10 44 50.9–.89 34S–15 179E–16 309–19 4.5b,4.1L
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 04 17 48 27.3–1.8 34.6S–.10 179.8W–.20 350 3.3b 95 3-148
IDC VII 04 17 47 53.6–2.2 32.67S 179.50W 0 4.0b,4.0 ¶620927891
WEL VII 04 17 48 26.6–1.2 34S–6.0 179E–13 10 5.1b,4.5
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 12 12 17 33.2–2.3 34S–24 179W–21 150–83 4.4,4.4
¶626186625
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 13 03 29 09.6–.63 33.21S–.05 178.7W–.10 35 4.3b 91 4-153
IDC VII 13 03 29 04.5–.86 32.88S 178.89W 0 4.1b,4.1 ¶620913582
WEL VII 13 03 29 08.0–.85 33S–6.0 178W–16 33 5.2b,4.8
NEIC VII 13 03 29 11.3–1.6 33.22S–.08 179.0W–.20 35–1 4.3b,4.8
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 13 18 02 22.1–.90 32.25S–.08 179.5W–.20 250 3.7b 49 3-151
IDC VII 13 18 01 54.0–1.3 31.38S 179.02W 0 3.9b,3.9 ¶620928549
NEIC VII 13 18 02 19.6–.45 31.9S–.20 179.6W–.30 202–10 3.9b,3.9
WEL VII 13 18 02 22.3–.67 32S–9.0 180E–18 10 4.7,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 14 06 29 26.0–1.2 34S–24 180W–32 198–45 3.6L,3.5
¶626186701
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 14 08 55 46.9–1.5 33S–34 180E–46 292–62 4.3b,4.0
¶626186716
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 17 17 32 26.8–.98 32.39S–.09 179.3W–.20 300 4.0b 32 3-152
IDC VII 17 17 32 26.2–6.3 31.94S 179.93E 348–60 4.4,3.7b ¶620928778
WEL VII 17 17 32 29.5–.97 32S–7.0 179W–17 270–17 4.7,4.5b
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 17 23 39 22.4–.79 33.1S–.10 178.3W–.20 10 4.4b 32 7-154
IDC VII 17 23 39 22.1–.73 31.15S 178.23W 0 4.3b,4.3 ¶620928794
NEIC VII 17 23 39 23.4–1.5 33.3S–.10 178.2W–.20 10–1 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 03 16 01.1–.75 32.48S–.06 177.8W–.10 20 4.5b,3.6s 51 3-160
WEL VII 18 03 15 59.3–.97 32S–7.0 178W–21 0 4.7L,4.7 ¶620913608
NEIC VII 18 03 16 01.5–1.6 32.70S–.09 177.9W–.20 10–2 4.5b,4.7
IDC VII 18 03 16 02.2–1.1 31.44S 178.42W 0 4.4b,4.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=28.3km s-min=4.1km az=107.9.
smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=6.7km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.6km s-min=33.1km az=50.0.
ISC VII 20 08 00 34.3–.60 34.58S–.05 179.52E–.10 200 4.1b 61 3-153
NEIC VII 20 08 00 34.9–1.8 34.54S–.09 179.4E–.20 190–7 4.3b ¶620961580
WEL VII 20 08 00 35.0–1.1 34S–6.0 180E–10 117–54 4.5,4.5
IDC VII 20 08 00 44.9–5.4 34.43S 178.83E 280–47 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=4.3km az=117.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=13.9km s-min=6.1km az=117.9.
smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=31.1km s-min=19.7km az=73.0.
IDC VII 20 14 38 08.0–2.0 32.18S 178.32W 0 3.8b,3.8
¶620961602
IDC Error ellipse: s-maj=60.5km s-min=32.3km az=45.0.
ISC VII 20 14 41 26.0–.38 33.04S–.05 178.75W–.07 45 4.6b,3.6s 216 4-162
WEL VII 20 14 41 22.9–.72 33S–5.0 179W–15 10 5.4b,5.1 ¶620837794
NEIC VII 20 14 41 26.8–2.1 33.01S–.08 179.0W–.10 39–5 4.7b,5.1
IDC VII 20 14 41 39.0–3.9 32.87S 179.26W 146–33 4.6,4.1b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=19.9km s-min=3.7km az=108.2.
smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.0km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=14.4km az=78.0.
ISC VII 21 14 37 17.9–.75 32.09S–.08 179.6W–.10 350 3.9b 129 3-152

WEL VII 21 14 37 18.9–.72 32S–8.0 179W–17 322–15 5.3,4.8b ¶620961659
IDC VII 21 14 37 21.4–4.8 31.57S 179.86E 382–44 4.3,3.6b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=24.1km s-min=6.5km az=110.7. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=29.0km s-min=19.8km az=78.0.
IDC VII 21 17 20 34.4–2.1 32.09S 179.54W 0 3.8b,3.8 ¶620961675
IDC Error ellipse: s-maj=61.3km s-min=36.0km az=44.0.
IDC VII 22 09 10 47.8–1.7 32.61S 178.91W 0 3.7b,3.7 ¶620967818
IDC Error ellipse: s-maj=51.2km s-min=39.4km az=30.0.
IDC VII 22 15 47 26.2–2.2 32.45S 179.09W 0 3.7b,3.7 ¶620967835
IDC Error ellipse: s-maj=63.0km s-min=29.5km az=50.0.
WEL VII 22 17 47 44.3–.76 33S–17 180E–42 167–36 4.5,4.5b ¶620913631
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 22 19 02 06.2–.60 32.67S–.06 179.6W–.10 200 4.2b 134 4-161
NEIC VII 22 19 02 05.6–2.4 32.5S–.10 179.7W–.20 188–8 4.0b ¶620913630
WEL VII 22 19 02 10.2–.56 33S–5.0 179W–12 100 5.1,4.9b
IDC VII 22 19 02 16.9–5.1 32.43S 179.82E 294–46 4.6,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=16.9km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=16.9km s-min=4.0km az=109.2. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=32.0km s-min=15.1km az=68.0.
ISC VII 23 10 17 03.5–1.5 34.91S–.09 179.5W–.10 35 3.8b 39 3-153
IDC VII 23 10 16 55.8–1.8 36.47S 179.33W 0 3.9b,3.9 ¶620967907
WEL VII 23 10 17 06.8–1.4 35S–7.0 180W–13 33 4.2,4.2
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 23 17 53 37.6–1.3 32S–40 180W–57 542–58 4.3,4.2b ¶626187111
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 24 09 33 29.3–1.4 35S–35 178W–43 300 3.7,3.7 ¶626187154
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 24 20 31 36.5–.74 33.44S–.07 178.5W–.10 10 4.4b,3.6s 60 4-154
WEL VII 24 20 31 33.9–.95 33S–6.0 178W–17 12 5.1b,4.7 ¶620970250
IDC VII 24 20 31 35.5–.80 33.20S 178.56W 0 4.4b,4.3
NEIC VII 24 20 31 38.0–1.6 33.52S–.06 178.8W–.20 10–1 4.4b,4.3
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 20 46 08.4–1.3 33.4S–.10 178.4W–.20 41 3.8b 33 4-148
IDC VII 24 20 46 04.9–2.0 33.38S 178.64W 0 3.8b,3.8 ¶620970252
WEL VII 24 20 46 07.3–1.0 33S–17 179W–37 150 4.4b,4.2
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 25 01 35 59.9–.78 33.53S–.07 178.9W–.10 48 4.1b 67 4-153
NEIC VII 25 01 35 60.0–1.9 33.4S–.10 179.1W–.10 35–2 4.1b ¶620973735
WEL VII 25 01 35 60.0–.95 34S–7.0 179W–13 150 5.1b,5.0
IDC VII 25 01 36 15.5–5.8 33.28S 179.56W 170–50 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=11.2km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=17.6km s-min=8.1km az=103.4. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=29.5km s-min=19.2km az=60.0.
WEL VII 25 06 30 07.8–1.4 33S–20 180E–21 305–38 4.6b,4.4 ¶626187200
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 25 13 35 43.2–1.7 34.0S–.20 178.5W–.30 50 21 5-153
IDC VII 25 13 35 34.6–3.6 34.79S 178.24W 0 3.9b,3.9 ¶620973767
WEL VII 25 13 35 44.1–1.9 34S–48 179W–38 247–62 4.3b,4.0
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL VII 25 13 59 26.8–1.3 32S–11 179E–47 300 4.5,4.5 ¶626187216
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 25 14 59 30.9–1.8 34S–39 178W–40 198–62 3.9,3.9 ¶626187222
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
ISC VII 26 09 57 51.0–.71 32.60S–.06 179.9W–.10 400 4.1b 183 5-151
NEIC VII 26 09 57 49.1–2.1 32.4S–.10 179.8E–.20 337–9 4.3b ¶620973833
WEL VII 26 09 57 53.5–1.0 33S–13 180W–15 392–28 5.4b,5.4
IDC VII 26 09 57 54.0–3.0 32.09S 179.54E 389–31 4.6,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=13.6km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=20.7km s-min=14.2km az=56.7. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=21.9km s-min=14.3km az=137.0.
ISC VII 26 10 37 11.4–1.2 33.9S–.20 179.8W–.30 250 3.9b 11 17-153
IDC VII 26 10 37 11.8–14 33.98S 179.89W 250–126 4.4,3.8b ¶620973836
ISC Event type se.
IDC Error ellipse: s-maj=71.6km s-min=23.9km az=54.0.
ISC VII 27 11 23 06.7–1.9 32.4S–.10 178.8W–.20 350 3.4b 56 6-147
WEL VII 27 11 23 06.9–1.2 33S–25 179W–28 445–63 4.6,4.5b ¶620978961
IDC VII 27 11 23 09.0–6.8 31.42S 179.90W 303–68 4.2,3.5b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=40.5km s-min=28.0km az=127.0. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=35.3km s-min=26.8km az=57.0.
ISC VII 27 20 13 04.8–1.9 33.7S–.10 178.8E–.20 400 41 4-147
IDC VII 27 20 12 20.1–6.7 31.00S 179.73E 0 3.6b,3.6 ¶626187311
WEL VII 27 20 13 10.8–1.5 34S–20 179E–22 373–22 4.5b,4.5
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 29 09 07 44.5–1.4 33S–24 179E–44 427–35 4.0L,4.0b ¶626187410
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VII 28 22 32 22.0–1.7 33.00S–.08 177.5W–.20 10 4.3b 41 4-148
WEL VII 28 22 32 29.9–1.3 32S–17 179W–43 110–61 4.5L,4.4 ¶620979637
IDC VII 28 22 32 30.3–1.9 31.58S 178.74W 0 4.2b,4.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=59.9km s-min=6.4km az=111.0. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=55.8km s-min=33.0km az=45.0.
ISC VII 31 19 15 40.4–2.2 32.3S–.20 179.4E–.50 500 25 6-146
IDC VII 31 19 14 39.8–8.0 31.43S 176.05W 0 3.2b,3.2 ¶626187584
WEL VII 31 19 15 39.9–1.2 32S–16 180E–48 500 4.3L,4.2
ISC Event type se.

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 31 10 12 29.2–1.2 34S–31 180W–29 353–45 5.0b,4.4 ¶626187543
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VII 31 08 25 37.1–1.2 34S–23 178W–24 184–39 4.4b,4.0L ¶626187538
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 01 07 00 50.1–1.2 33.77S–.08 179.1W–.10 10 3.7b 32 4-152
IDC VIII 01 07 00 45.3–1.6 33.31S 179.18W 0 3.7b,3.7 ¶620986179
WEL VIII 01 07 00 50.4–.84 34S–8.0 179W–16 10 4.8b,4.1
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 03 12 03 53.9–1.8 34S–31 180E–50 100 4.5b,3.9 ¶626187757
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VIII 04 09 50 49.4–2.1 33S–62 179W–96 363–75 4.3,4.3 ¶626187846
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 06 15 41 54.0–.59 33.31S–.05 179.98W–.09 150 4.0b 74 4-147
NEIC VIII 06 15 41 54.8–1.1 33.3S–.10 179.8E–.10 148–10 4.1b ¶620976232
WEL VIII 06 15 41 55.3–.63 33S–5.0 180W–12 33 5.0b,4.9
IDC VIII 06 15 42 01.2–6.0 33.13S 179.61E 213–57 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=10.3km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=15.8km s-min=5.3km az=107.9. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=24.4km s-min=16.4km az=66.0.
WEL VIII 05 07 26 11.4–1.5 34S–28 180E–20 197–60 4.6b,4.1 ¶626187914
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 07 00 49 54.3–.71 34.81S–.06 178.9E–.10 100 4.6b 44 3-161
IDC VIII 07 00 49 41.1–2.4 34.67S 179.32E 0 4.0b,4.0 ¶621000691
NEIC VIII 07 00 49 53.1–1.5 34.84S–.08 179.1E–.10 86–9 4.7b,4.0
WEL VIII 07 00 50 01.1–1.6 36S–33 179E–33 197–36 3.5,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 11 01 52 30.3–.45 32.88S–.06 178.38W–.07 10 4.6b 128 4-162
WEL VIII 11 01 52 30.5–.87 33S–9.0 178W–18 33 5.1,5.0b ¶620980011
NEIC VIII 11 01 52 31.4–1.2 32.8S–.10 178.6W–.20 10–1 4.8b,5.0b
IDC VIII 11 01 53 00.6–3.6 32.45S 179.22W 242–31 4.5,3.8b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=25.5km s-min=5.9km az=114.1. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=18.4km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.5km s-min=13.3km az=84.0.
WEL VIII 08 09 07 13.8–1.3 34S–13 179E–35 300 3.9L,3.8 ¶626188111
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 11 17 08 34.1–1.2 32.79S–.08 178.7W–.20 35 3.7b 23 4-147
IDC VIII 11 17 08 29.7–2.1 31.92S 178.95W 0 3.7b,3.7 ¶621009343
WEL VIII 11 17 08 33.7–.86 33S–8.0 179W–21 33 4.4b,4.1L
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 10 22 58 35.0–3.8 33.1S–.20 178.3W–.50 32 3.7b 18 5-148
IDC VIII 10 22 58 22.3–2.1 30.22S 177.03W 0 3.8b,3.8 ¶626188281
WEL VIII 10 22 58 34.7–1.5 33S–31 179W–55 100 4.2,4.2
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 12 04 59 27.3–1.7 32.8S–.10 178.2W–.30 35 4.5b 37 4-151
IDC VIII 12 04 59 25.0–1.5 31.68S 178.66W 0 4.1b,4.1 ¶621009380
WEL VIII 12 04 59 27.4–.64 32S–16 179W–39 100 4.6b,4.5
NEIC VIII 12 04 59 32.3–.99 31.76S–.08 178.7W–.20 44–11 4.7b,4.5
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 11 11 48 00.8–2.0 34.3S–.10 178.4W–.20 100 3.8b 41 4-149
IDC VIII 11 11 47 55.1–2.1 33.38S 179.13W 0 3.8b,3.8 ¶621009336
WEL VIII 11 11 47 59.4–1.2 34S–11 178W–16 100 4.5b,4.2
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 12 06 00 17.9–1.2 33.25S–.09 177.8W–.20 100 4.5b 37 5-154
WEL VIII 12 06 00 14.4–1.2 33S–10 178W–16 100 4.8b,4.6 ¶621009384
IDC VIII 12 06 00 58.1–15 32.37S 179.85W 380–148 4.3,3.5b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=22.7km s-min=8.3km az=116.7. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=89.4km s-min=17.6km az=55.0.
ISC VIII 14 16 18 03.8–1.7 32.84S–.08 177.6W–.20 35 3.7b 23 4-148
WEL VIII 14 16 18 04.0–1.2 33S–7.0 178W–22 33 4.5b,4.4L ¶621013521
IDC VIII 14 16 18 07.1–2.2 31.74S 178.93W 0 4.3s,3.7b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=29.9km s-min=5.1km az=103.7. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
IDC Error ellipse: s-maj=61.7km s-min=40.9km az=39.0.
WEL VIII 14 21 46 37.3–1.5 33S–40 180E–70 432–65 4.0,4.0 ¶626188568
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
ISC VIII 15 10 55 04.1–2.3 32.1S–.10 180.0E–.20 450 23 3-146
IDC VIII 15 10 54 11.8–7.7 30.79S 179.09W 0 3.3b,3.3 ¶621023594
WEL VIII 15 10 55 06.0–1.1 32S–8.0 180W–20 362–16 4.6,4.4b
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 19 17 53 48.6–.33 33.13S–.05 176.85W–.06 10 5.0b,4.3s 256 4-165
IDC VIII 19 17 53 47.7–.54 33.03S 176.70W 0 4.6,4.5b ¶620997353
NEIC VIII 19 17 53 48.9 33.12S 176.81W 10 4.6,4.5b
WEL VIII 19 17 53 48.3–.97 33S–6.0 177W–14 10 5.4,5.3b
NEIC VIII 19 17 53 48.8–1.6 33.2S–.10 176.77W–.08 10–1 5.0b,5.3b
GFZ VIII 19 17 53 49.4–.24 33S–4.0 177W–4.0 10 5.0b,5.0
GFZ VIII 19 17 53 49.4 33.05S 176.61W 16 5.2W,5.0
NEIC VIII 19 17 53 49.7 33.32S 176.21W 14 5.2,5.0
GCMT VIII 19 17 53 51.5–.10 33.16S–.01 176.45W–.01 12 5.2W,5.0
ISC Event type se.
NEIC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.02 $M_{\theta\theta}$0.08 $M_{\phi\phi}$7.93 $M_{r\theta}$1.55 $M_{\theta\phi}$0.98 $M_{\phi r}$2.58 NP1: ϕ_s195.10265°,δ54.98122°,λ-80.62870°. NP2:ϕ_s359.05774°,δ36.09571°,λ-103.08252°. Principal axes: T 8.5148,Plg9.5319°,Azm278.3980°; N 0.1278,Plg7.6634°,Azm9.6926° ; P -8.6426,Plg77.7243°,Azm137.8911° $M_0$8.57941×10^{16}

NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.91 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$8.09 $M_{r\theta}$0.16 $M_{\theta\phi}$2.17 $M_{\phi r}$3.02 NP1:ϕ_s18.17000°,δ35.27000° ,λ-83.14000°. NP2:ϕ_s189.78000°,δ55.02000°,λ-94.83000°. Principal axes: T 9.1394,Plg10.0000°,Azm283.0000°; N -0.6770,Plg4.0000°,Azm193.0000° ; P -8.4624,Plg79.0000°,Azm81.0000° $M_0$8.82000×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108191753A. Moment Tensor Solution. s73,c125; s129,c240;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.61±.01 $M_{\theta\theta}$-0.28±.01; $M_{\theta\phi}$0.89±.01; $M_{r\theta}$-0.17±.04; $M_{\theta\phi}$0.21±.01; $M_{\phi r}$0.16±.03; Best double couple: NP1:ϕ_s34.00000° ,δ46.00000°,λ-53.00000°. NP2:ϕ_s167.00000°,δ55.00000°,λ-122.00000°. Principal axes: T 0.9420,Plg5.0000°,Azm279.0000°; N -0.2270,Plg26.0000°,Azm187.0000° ; P -0.7160,Plg64.0000°,Azm19.0000° $M_0$0.82900×10^{17}

ISC	**VIII**	**16 17 43 07.2–.95**	**33.6S–.10**	**178.3W–.20**	**41**	**4.3b**	**20**	**6-154**	
NEIC	VIII	16 17 43 02.8–.87	33.5S–.10	178.2W–.20	10–1	4.5b			**¶621030196**
IDC	VIII	16 17 43 02.1–1.9	33.33S	178.49W	0	4.3b,4.3			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=28.7km s-min=12.3km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=57.7km s-min=38.9km az=37.0.								
ISC	**VIII**	**18 13 19 27.2–1.2**	**33.30S–.10**	**179.2W–.20**	**35**	**3.8b**	**35**	**4-147**	
IDC	VIII	18 13 19 22.0–2.1	33.09S	179.05W	0	4.0s,3.8b			**¶621030377**
WEL	VIII	18 13 19 23.1–1.1	34S–8.0	178W–17	0	5.2b,4.6			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VIII**	**22 09 55 32.5–1.6**	**33S–35**	**179E–56**	**247–77**	**4.1b,3.8**			**¶626189126**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.								
ISC	**VIII**	**20 14 05 25.2–1.9**	**33.4S–.10**	**179.5E–.10**	**35**	**4.4b,3.5s**	**30**	**4-147**	
IDC	VIII	20 14 05 22.7–2.2	33.64S	179.76E	0	4.6b,4.6			**¶621041287**
WEL	VIII	20 14 05 23.2–1.2	33S–7.0	179E–9.0	33	5.0b,4.6			
ISC	Event type se.								
WEL	smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VIII**	**20 04 10 21.7–2.2**	**34S–23**	**178E–23**	**434–40**	**3.8b,3.8**			**¶626188962**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VIII**	**20 04 39 56.1–1.0**	**34S–17**	**180E–27**	**274–13**	**3.9,3.9**			**¶626188964**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**VIII**	**21 13 05 15.0–1.3**	**33.98S–.10**	**179.4W–.10**	**100**	**4.6b**	**59**	**4-148**	
IDC	VIII	21 13 05 05.7–1.3	33.15S	179.68W	0	4.3b,4.3			**¶621042996**
WEL	VIII	21 13 05 11.0–1.2	34S–15	179W–16	193–31	4.5,4.5b			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**VIII**	**23 20 03 44.2–1.7**	**34.8S–.10**	**179.4E–.20**	**200**	**3.3b**	**33**	**3-148**	
IDC	VIII	23 20 03 18.3–2.3	33.44S	179.50W	0	3.6b,3.6			**¶621049261**
WEL	VIII	23 20 03 40.9–1.3	35S–25	180E–29	224–33	3.7,3.7			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VIII**	**25 06 26 09.7–1.4**	**32S–8.0**	**180E–20**	**443–20**	**4.4,4.2L**			**¶626189316**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
IDC	**VIII**	**25 15 52 18.6–2.4**	**32.60S**	**178.87W**	**0**	**3.6b,3.6**			**¶621058946**
IDC	Error ellipse: s-maj=69.4km s-min=41.5km az=42.0.								
WEL	**VIII**	**25 15 53 28.5–1.4**	**34S–28**	**179E–28**	**499–44**	**4.1b,3.9**			**¶626189344**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VIII**	**27 10 19 56.9–1.4**	**33S–30**	**179W–37**	**434–39**	**4.3,4.2b**			**¶626189504**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VIII**	**26 12 32 57.8–1.4**	**32S–23**	**179W–44**	**468–33**	**4.4,4.4**			**¶626189393**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VIII**	**28 04 55 37.2–1.9**	**34S–40**	**180W–34**	**341–40**	**4.0,4.0**			**¶626189616**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VIII**	**28 09 39 54.1–1.1**	**35S–27**	**179E–37**	**290–34**	**3.5,3.5**			**¶626189629**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**01 12 23 15.3–1.2**	**33S–28**	**180E–67**	**284–41**	**4.3,3.8L**			**¶626465616**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VIII**	**29 17 56 45.0–1.5**	**33S–34**	**179E–54**	**395–45**	**4.3,4.3**			**¶626189717**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**VIII**	**28 22 21 03.0–1.7**	**33.2S–.10**	**179.9E–.20**	**400**	**3.2b**	**97**	**5-147**	
IDC	VIII	28 22 20 16.8–2.3	31.43S	179.07W	0	3.6b,3.6			**¶626189659**
WEL	VIII	28 22 21 07.8–.99	34S–13	180E–20	414–19	4.5b,4.3			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**02 06 56 23.2–1.5**	**33S–11**	**179E–35**	**100**	**4.1b,3.8L**			**¶626465730**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**01 08 09 57.7–2.3**	**32.2S–.10**	**178.8W–.20**	**400**	**3.3b**	**61**	**6-58**	
IDC	IX	01 08 09 16.7–8.0	30.29S	178.52W	0	3.9b,3.9			**¶621080604**
WEL	IX	01 08 09 56.8–.99	32S–8.0	179W–21	394–9	4.6,4.6			
ISC	Event type se.								
WEL	smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**04 21 00 28.8–1.2**	**34S–10**	**179W–17**	**20**	**4.5b,4.0**			**¶626465966**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**04 15 00 18.5–1.3**	**35S–26**	**180W–24**	**254–40**	**3.9,3.9b**			**¶626465950**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
IDC	**IX**	**07 01 21 27.3–2.3**	**32.65S**	**179.15W**	**0**	**3.8b,3.8**			**¶621094295**
IDC	Error ellipse: s-maj=66.7km s-min=37.8km az=45.0.								
ISC	**IX**	**05 05 09 20.1–.27**	**32.25S–.02**	**179.72W–.03**	**239–2**	**5.2b**	**861**	**3-172**	
BJI	IX	05 05 09 17.6	32.40S	179.60W	235	5.2b,5.1b			**¶621035475**
WEL	IX	05 05 09 17.6–.56	32S–4.0	179W–10	251–9	5.8,5.4b			
NOU	IX	05 05 09 18.0	32.55S	178.91W	301	5.1b,5.4b			
GFZ	IX	05 05 09 19.2–.51	32S–5.0	179W–7.0	250–6	5.1b,5.0			
NEIC	IX	05 05 09 20.9–1.6	32.09S–.08	179.8W–.10	231–4	5.3,5.1b			
GFZ	IX	05 05 09 20.2	32.11S	179.87W	248	5.4W,5.1b			
GCMT	IX	05 05 09 24.0–.10	31.94S–.01	179.76W–.01	240–0	5.4W,5.1b			
IDC	IX	05 05 09 27.1–1.5	32.08S	179.97E	294–13	5.2,4.6b			
ISC	Event type se.								
WEL	Event type se. Error ellipse: s-maj=13.2km s-min=4.3km az=107.6. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
NOU	South of Kermadec Islands.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=16.1km s-min=11.3km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.81 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$1.26 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.26 $M_{\phi r}$-0.42 NP1: ϕ_s157.11122°,δ42.00633°,λ-142.56587°. NP2:ϕ_s37.47904°,δ65.99727°,λ-54.43041°. Principal axes: T 1.4212,Plg13.7563°,Azm102.4255°; N -0.1388,Plg32.0994°,Azm201.2594° ; P -1.2825,Plg54.3967°,Azm352.4320° $M_0$1.35718×10^{17}								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109050509A. Moment Tensor Solution. s120,c191; s135,c221;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86±.02 $M_{\theta\theta}$-0.67±.02; $M_{\phi\phi}$1.52±.02; $M_{r\theta}$-0.89±.02; $M_{\theta\phi}$0.11±.02; $M_{\phi r}$-0.03±.02; Best double couple: NP1: ϕ_s149.00000°,δ57.00000°,λ-143.00000°. NP2:ϕ_s37.00000°,δ60.00000°,λ-40.00000°. Principal axes: T 1.5280,Plg2.0000°,Azm94.0000°; N 0.1300,Plg42.0000°,Azm186.0000° ; P -1.6610,Plg48.0000°,Azm1.0000° $M_0$1.59500×10^{17}								
IDC	Error ellipse: s-maj=10.1km s-min=9.2km az=87.0.								
WEL	**IX**	**09 01 23 16.5–1.8**	**35S–32**	**180E–38**	**234–31**	**3.8,3.8**			**¶626469111**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**10 10 09 09.0–1.1**	**33S–10**	**175W–14**	**10**	**5.1b,4.6**			**¶626469190**
WEL	smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
IDC	**IX**	**11 00 37 40.1–2.2**	**34.17S**	**179.20W**	**0**	**3.9b,3.9**			**¶621108548**
IDC	Error ellipse: s-maj=66.6km s-min=39.7km az=40.0.								
ISC	**IX**	**13 20 01 08.6–.88**	**32.51S–.07**	**179.4W–.10**	**300**	**3.6b**	**119**	**3-151**	
IDC	IX	13 20 01 13.8–5.8	32.04S	179.81E	290–54	4.5,3.6b			**¶621109721**
WEL	IX	13 20 01 14.6–.81	33S–7.0	179W–13	184–29	5.5b,5.4			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**11 14 58 49.7–1.2**	**34S–25**	**180W–28**	**280–31**	**4.5b,3.9**			**¶626469306**
WEL	smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**12 03 48 03.8–.73**	**33S–6.0**	**179W–14**	**33**	**5.3b,5.0**			**¶626492826**
WEL	smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**15 00 24 03.6–2.7**	**34S–28**	**179E–24**	**246–36**	**4.2,4.2**			**¶626494913**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**18 21 30 52.7–1.6**	**34.5S–.10**	**179.0E–.20**	**200**	**3.3b**	**39**	**3-148**	
IDC	IX	18 21 30 43.1–7.6	33.71S	179.61E	134–53	3.7,3.3b			**¶621113592**
WEL	IX	18 21 30 54.5–1.3	35S–26	179E–33	203–39	3.7L,3.7			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**17 05 21 14.5–.60**	**34.49S–.07**	**179.09W–.09**	**10**	**4.5b,3.3s**	**88**	**4-159**	
IDC	IX	17 05 21 13.4–.81	34.21S	179.34W	0	4.3b,4.3			**¶621241010**
NEIC	IX	17 05 21 15.5–1.0	34.43S–.10	179.4W–.20	10–1	4.6b,4.3			
WEL	IX	17 05 21 15.7–1.8	35S–13	179W–16	148–36	4.7b,4.7			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**17 05 28 48.9–5.9**	**33.8S–.30**	**178E–3.0**	**35**	**3.8b**	**5**	**4-151**	
IDC	IX	17 05 28 40.7–1.6	34.25S	179.34W	0	4.1L,3.8b			**¶621112936**
ISC	Event type se.								
IDC	Error ellipse: s-maj=42.7km s-min=36.8km az=75.0.								
IDC	**IX**	**17 11 37 57.6–2.9**	**33.54S**	**179.60W**	**0**	**3.8b,3.7**			**¶621112956**
IDC	Error ellipse: s-maj=68.3km s-min=33.1km az=110.0.								
WEL	**IX**	**17 21 01 53.6–1.2**	**34S–11**	**179W–10**	**140–52**	**4.7b,4.3**			**¶626496372**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**18 14 45 27.9–1.6**	**33S–35**	**179E–61**	**431–38**	**4.0b,3.8L**			**¶626497027**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**22 16 28 30.5–1.1**	**32S–32**	**179W–93**	**10**	**4.8b,4.3**			**¶626505543**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**19 08 36 50.5–1.0**	**34S–9.0**	**179W–19**	**10**	**4.8b,4.3**			**¶626501250**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**20 13 42 24.7–1.9**	**33S–36**	**179E–62**	**379–60**	**4.2b,4.0**			**¶626503462**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**20 04 46 32.8–1.2**	**32.54S–.09**	**179.8E–.10**	**350**	**3.6b**	**38**	**4-146**	
IDC	IX	20 04 46 27.9–4.8	32.19S	179.71E	319–38	4.3,3.4b			**¶621115979**
WEL	IX	20 04 46 36.9–1.0	33S–7.0	180E–14	300–16	4.8,4.7b			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**22 08 36 44.2–.70**	**32.33S–.07**	**178.7W–.10**	**33**	**4.5b,3.5s**	**61**	**3-152**	
IDC	IX	22 08 36 39.4–.84	32.15S	178.63W	0	4.3b,4.3			**¶621118130**
WEL	IX	22 08 36 39.7–.94	33S–6.0	178W–18	10	5.0b,4.9			
NEIC	IX	22 08 36 40.6–1.8	32.43S–.08	178.5W–.20	10–1	4.6b,4.9			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
WEL	**IX**	**26 20 27 06.8–1.4**	**34S–31**	**180E–29**	**304–35**	**4.2,4.2**			**¶626509080**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**26 11 04 33.4–1.6**	**34S–37**	**180W–33**	**328–40**	**4.6b,3.8**			**¶626509056**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**IX**	**24 15 53 09.2–.93**	**33S–20**	**180W–27**	**406–27**	**4.4b,4.2**			**¶626507228**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**X**	**04 16 37 02.8–.76**	**33.34S–.06**	**178.8W–.10**	**48**	**4.4b,3.5s**	**65**	**4-153**	
IDC	X	04 16 36 57.0–1.1	33.04S	178.95W	0	4.2b,4.2			**¶621203127**
WEL	X	04 16 37 01.0–.94	33S–7.0	178W–14	33	5.1b,4.8			
NEIC	X	04 16 37 02.6–2.6	33.31S–.07	178.9W–.20	35–2	4.5b,4.8			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**27 04 54 40.4–1.2**	**32.12S–.09**	**178.3W–.20**	**45**	**4.0b**	**25**	**3-150**	
IDC	IX	27 04 54 35.8–1.5	32.09S	178.19W	0	4.0b,4.0			**¶621140680**
WEL	IX	27 04 54 36.8–.91	32S–21	179W–56	10	4.6b,4.4			
ISC	Event type se.								

WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC IX 30 23 59 47.4–3.5 34.75S 178.86W 0 3.9b,3.9 ¶621147798
IDC Error ellipse: s-maj=187.0km s-min=56.6km az=169.0.
ISC X 03 05 49 09.2–.33 33.63S–.04 179.24W–.05 44–2 5.3b,5.0s 556 4-175
BJI X 03 05 49 07.8 33.65S 178.65W 49 5.8b,5.4b **¶621117080**
MOS X 03 05 49 07.6–.95 33.58S 179.39W 38 5.4b,5.4b
IDC X 03 05 49 09.5–2.2 33.54S 179.38W 44–19 5.1L,4.8
NEIC X 03 05 49 09.6–1.0 33.59S–.09 179.3W–.10 42–5 5.3b,5.1
GFZ X 03 05 49 09.6–.26 34S–3.0 179W–3.0 40–2 5.5b,5.3b
WEL X 03 05 49 10.0 33.66S 179.34W 45 6.1b,5.9L
GCMT X 03 05 49 10.4–.10 33.61S–.01 179.01W–.01 39–0 5.3W,5.9L
NEIC X 03 05 49 10 33.63S 179.31W 41 5.3W,5.9L
NEIC X 03 05 49 10.4 33.93S 178.95W 40 5.3,5.9L
ISC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=9.9km az=87.1.
IDC Error ellipse: s-maj=13.2km s-min=11.3km az=96.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.7km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.3km s-min=5.9km az=146.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL Event type se. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110030549A. Moment Tensor Solution. s122,c206; s130,c205;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.02 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-1.13±.01; $M_{r\theta}$-0.17±.01; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$-0.09±.01; Best double couple: NP1: ϕ_s354.00000°,δ43.00000°,λ78.00000°. NP2:ϕ_s191.00000°,δ48.00000°,λ101.00000°. Principal axes: T 1.1280,Plg81.0000°,Azm166.0000°; N 0.0070,Plg8.0000°,Azm3.0000° ; P -1.1360,Plg3.0000°,Azm273.0000° $M_0$1.13200×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.96 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-1.05 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.05 $M_{\phi r}$-0.12 NP1:ϕ_s342.98000°,δ43.91000° ,λ68.40000°. NP2:ϕ_s191.77000°,δ49.85000°,λ109.51000°. Principal axes: T 1.0347,Plg75.0000°,Azm167.0000°; N 0.0216,Plg15.0000°,Azm359.0000° ; P -1.0564,Plg3.0000°,Azm268.0000° $M_0$1.05000×10^{17}
ISC X 03 05 56 48.2–.53 33.74S–.05 179.05W–.08 48 4.2b 77 4-152
WEL X 03 05 56 43.7–2.2 34S–8.0 178W–19 169–69 4.9,4.9b **¶621122748**
NEIC X 03 05 56 44.1–1.1 33.61S–.09 179.0W–.20 16–6 4.3b,4.9b
IDC X 03 05 56 49.2–3.7 33.66S 179.25W 43–32 4.3,4.0b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=24.6km s-min=10.2km az=97.9. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=10.3km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=18.1km az=74.0.
ISC IX 26 18 56 00.8–1.4 33.1S–.10 179.6E–.10 350 3.6b 74 4-147
IDC IX 26 18 55 54.9–5.1 32.43S 179.77E 316–39 4.1,3.2b **¶621112016**
WEL IX 26 18 56 04.6–.97 33S–6.0 180E–12 341–14 4.9b,4.6
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 01 14 42 04.8–.43 34.64S–.04 179.64E–.06 150 4.6b 175 3-161
WEL X 01 14 42 01.1–.55 34S–4.0 180W–9.0 33 5.3b,5.0 **¶621147834**
NEIC X 01 14 42 02.4–.79 34.38S–.07 179.6E–.10 117–4 4.6b,5.0
IDC X 01 14 42 04.7–1.7 34.47S 179.00E 131–14 4.6,4.2b
NOU X 01 14 42 05.1 34.78S 179.59E 168 4.7,4.2b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=12.4km s-min=4.3km az=108.1. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.0km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.7km s-min=13.4km az=112.0.
NOU South of Kermadec Islands.
ISC X 04 00 35 24.3–.81 32.96S–.06 178.1W–.10 34 4.5b 142 4-154
IDC X 04 00 35 24.4–.89 32.54S 178.76W 0 4.5b,4.3 **¶621117513**
WEL X 04 00 35 25.5–.98 33S–5.0 178W–15 33 5.4b,5.2
NEIC X 04 00 35 28.6–2.3 32.71S–.07 178.9W–.20 27–5 4.6b,5.2
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 02 15 14 57.2–1.9 32.9S–.10 179.9E–.20 300 22 5-147
WEL X 02 15 14 57.7–.55 33S–6.0 180W–13 200 4.3,4.2b **¶621186073**
IDC X 02 15 14 58.3–6.8 33.03S 179.95E 324–73 3.8,2.9b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=18.5km s-min=5.0km az=111.8. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
IDC Error ellipse: s-maj=86.0km s-min=48.3km az=2.0.
ISC X 03 09 07 08.5–1.9 34.51S–.09 179.2W–.10 50 3.9b 63 4-149
IDC X 03 09 07 04.4–2.0 34.05S 179.64W 0 4.0L,4.0 **¶621186125**
WEL X 03 09 07 14.2–2.3 35S–25 180W–22 133–82 4.4b,4.2
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 07 22 46 14.5–1.6 34.59S–.10 179.0W–.10 35 3.8b 30 4-149
IDC X 07 22 46 08.4–2.0 34.38S 179.10W 0 4.2L,3.9 **¶621217248**
WEL X 07 22 46 15.4–1.3 35S–15 179W–15 134–78 5.1b,4.4
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 05 17 03 15.7–.69 33.86S–.07 178.79W–.09 50 4.4b 92 4-148
IDC X 05 17 03 10.8–1.2 33.55S 179.11W 0 4.0b,4.0 **¶621203182**
NEIC X 05 17 03 11.2–1.8 33.77S–.10 178.9W–.10 10–1 4.8b,4.0
WEL X 05 17 03 18.0–1.1 34S–11 179W–13 111–107 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 08 03 34 05.1–.84 34.93S–.08 179.2W–.10 42 4.2b,3.9s 53 3-149
IDC X 08 03 33 59.9–1.0 34.62S 179.57W 0 4.2b,4.2 **¶621630043**
WEL X 08 03 34 02.1–1.4 35S–8.0 179W–13 100 4.8b,4.7
NEIC X 08 03 34 03.7–1.8 34.8S–.10 179.4W–.20 24–6 4.5b,4.7
GCMT X 08 03 34 06.7–.40 34.82S–.04 178.94W–.03 22–1 4.8W,4.7
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110080334A. Moment Tensor Solution. s27,c30; s57,c72; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.05±.20 $M_{\theta\theta}$-0.45±.12; $M_{\phi\phi}$-1.60±.12; $M_{r\theta}$0.56±.20; $M_{\theta\phi}$-0.56±.06; $M_{\phi r}$1.32±.15; Best double couple: NP1:ϕ_s202.00000°,δ27.00000° ,λ89.00000°. NP2:ϕ_s23.00000°,δ63.00000°,λ90.00000°. Principal axes: T 2.5230,Plg72.0000°,Azm294.0000°; N -0.2210,Plg0.0000°,Azm202.0000° ; P -2.3000,Plg18.0000°,Azm112.0000° $M_0$2.41200×10^{16}
ISC X 08 04 55 59.6–.90 34.92S–.08 179.2W–.10 42 4.2b,3.4s 48 3-154
IDC X 08 04 55 54.4–1.2 34.62S 179.46W 0 4.3,4.2b **¶621224632**
NEIC X 08 04 55 55.4–1.5 34.8S–.10 179.2W–.20 10–2 4.4b,4.2b
WEL X 08 04 55 58.5–1.5 35S–8.0 179W–14 100 4.5,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 08 13 57 13.3–1.5 35.00S–.09 178.8W–.10 42 57 3-149
IDC X 08 13 57 07.9–2.1 34.82S 178.88W 0 4.2,4.1b **¶621224661**
WEL X 08 13 57 17.3–1.4 35S–12 179W–14 152–29 4.4b,4.3
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 08 08 21 46.0–.52 34.43S–.06 179.05W–.08 35 4.4b,3.9s 130 4-154
NEIC X 08 08 21 42.7–1.1 34.34S–.07 179.1W–.10 10–1 4.5b,3.9s **¶621143976**
WEL X 08 08 21 45.4–1.3 35S–8.0 179W–14 100 5.0b,4.6
IDC X 08 08 21 47.5–2.8 34.27S 179.33W 43–24 4.4,4.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=10.8km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=18.4km s-min=9.6km az=105.0. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=20.7km s-min=15.7km az=112.0.
IDC X 09 12 06 55.1–2.0 34.34S 179.08W 0 3.6,3.5b ¶621235323
IDC Error ellipse: s-maj=43.2km s-min=34.2km az=90.0.
ISC X 08 08 43 03.5–.83 34.54S–.08 178.7W–.10 35 4.3b,3.6s 51 4-149
IDC X 08 08 42 58.9–1.2 34.41S 179.03W 0 4.1,4.0L **¶621224639**
NEIC X 08 08 43 00.4–1.5 34.5S–.10 178.9W–.20 10–2 4.4b,4.0L
WEL X 08 08 43 02.9–1.2 35S–9.0 179W–14 12 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 08 10 03 18.4–2.1 34S–37 179W–37 172–74 4.3b,3.8L ¶626703319
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 08 19 27 42.8–1.6 34S–37 179W–39 140–127 4.0b,3.8 ¶626703338
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC X 09 12 33 21.3–2.2 34.14S 179.32W 0 3.6,3.5b ¶621235325
IDC Error ellipse: s-maj=51.3km s-min=33.4km az=68.0.
WEL X 11 23 48 20.9–1.5 34S–32 179E–39 318–45 4.4,4.4 ¶626703579
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 11 20 48 48.1–1.6 33.26S–.10 179.0W–.20 48 3.6b 21 5-148
IDC X 11 20 48 40.5–2.0 32.94S 179.07W 0 3.9L,3.7 **¶621236906**
WEL X 11 20 48 53.2–1.9 34S–26 179W–23 295–55 4.6b,4.4
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 10 23 28 01.0–.66 33.66S–.07 177.85W–.10 34 4.7b 62 5-154
IDC X 10 23 27 56.4–1.0 33.40S 177.95W 0 4.6b,4.5 **¶621235408**
NEIC X 10 23 27 58.6–1.1 33.6S–.10 178.0W–.10 10–1 4.7b,4.5
WEL X 10 23 27 59.7–1.3 34S–14 177W–18 33 5.0,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC X 11 00 52 21.2–2.1 32.33S 178.87W 0 3.7L,3.7 ¶621236855
IDC Error ellipse: s-maj=50.6km s-min=34.5km az=62.0.
WEL X 11 02 12 55.0–4.1 34S–39 179E–60 392–43 4.1b,3.7 ¶626703549
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
ISC X 13 04 05 25.4–.90 33.63S–.09 178.9W–.10 48 4.0b 30 5-148
IDC X 13 04 05 19.2–2.1 33.55S 178.80W 0 4.1L,3.9 **¶621238947**
NEIC X 13 04 05 20.1–1.2 33.6S–.10 178.7W–.20 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL X 13 04 39 16.2–1.3 34S–28 179W–43 33 4.5b,4.2L ¶626703669
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 14 16 29 36.0–1.4 32.11S–.10 179.5W–.20 450 44 3-146
IDC X 14 16 28 51.3–3.7 29.67S 179.14W 0 4.0b,3.9 **¶626703758**
WEL X 14 16 29 44.7–.84 32S–8.0 180W–19 284–15 4.6,4.6b
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 15 17 26 29.7–1.4 33.97S–.08 179.2W–.10 50 3.7b 51 4-148
IDC X 15 17 26 22.1–2.9 33.47S 179.28W 0 4.0L,3.6 **¶621242074**
NEIC X 15 17 26 26.4–1.1 33.8S–.10 179.6W–.20 10–2 4.1b,3.6
WEL X 15 17 26 30.8–1.4 34S–8.0 179W–14 100 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 14 18 58 45.2–1.1 34S–7.0 179E–16 10 3.8L,3.6 ¶626703763
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 14 09 26 56.4–1.3 34.21S–.09 179.1W–.10 50 4.0b,3.0s 43 4-148
IDC X 14 09 26 49.1–1.7 33.86S 179.44W 0 4.1L,4.1 **¶621203246**
WEL X 14 09 26 54.2–1.7 34S–18 179W–18 181–54 4.7b,4.7
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 16 07 25 19.0–6.2 35S–34 179W–42 86–141 4.4b,4.0 ¶626703874
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 16 14 58 12.5–1.6 33S–28 179E–31 330–48 4.5b,4.3 ¶626703890
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 16 05 33 47.7–1.6 33.5S–.10 177.9W–.20 34 4.5b 28 5-148
IDC X 16 05 33 43.2–2.0 33.28S 177.95W 0 4.4b,4.2 **¶621242108**
WEL X 16 05 33 43.7–1.1 33S–15 178W–36 117–78 4.7,4.4b
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 16 09 11 51.2–1.9 34S–9.0 180E–17 100 4.3,4.3 ¶626703876
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 17 09 05 36.1–1.5 33S–37 179E–44 352–54 4.7b,4.1 ¶626703932
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 16 13 02 51.1–1.4 33S–16 179W–30 33 4.6b,4.3 ¶626703886
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 20 01 17 11.1–1.2 33S–7.0 179E–26 20 4.8b,4.4 ¶626704091
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 18 14 37 07.2–2.2 34S–38 178W–41 170–70 4.3b,3.9L ¶626703971

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 19 17 30 39.0–1.9 34S–18 179W–19 168–49 5.1b,4.5
¶626704039
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 23 23 45 43.1–1.3 35S–18 180W–20 143–42 3.8,3.8
¶626704370
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 21 07 05 40.6–1.8 35S–14 179E–34 100 3.6L,3.5
¶626704158
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 21 07 11 33.5–1.5 35S–12 179E–29 100 3.8,3.8
¶626704160
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 21 03 10 49.4–1.2 34S–7.0 179E–15 200 4.3,4.3
¶626704145
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL X 28 05 55 41.5–1.3 32S–13 179E–26 100 4.5b,4.0
¶626704715
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC X 24 14 03 58.6–2.4 33.18S 179.27W 0 3.4b,3.4
¶621366397
IDC Error ellipse: s-maj=70.4km s-min=42.4km az=44.0.
WEL X 26 06 55 30.3–1.5 32S–28 179E–63 247–66 4.2,4.1b
¶626704579
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 26 18 01 43.5–1.0 33.53S–.09 179.6E–.20 35 4.1b 63 4-147
NEIC X 26 18 01 47.1–1.8 33.82S–.08 179.9E–.20 75–10 4.3b **¶621366487**
IDC X 26 18 01 50.1–7.3 33.82S 179.54E 87–56 4.0L,4.0
WEL X 26 18 01 51.5–.81 34S–6.0 180W–13 33 5.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 27 06 10 46.5–.83 33.27S–.05 179.08W–.06 52–6 5.0b,4.0s 326 5-172
WEL X 27 06 10 44.2–1.1 33S–8.0 178W–14 33 5.6b,5.4 **¶621630077**
GFZ X 27 06 10 45.0–.34 33S–3.0 179W–5.0 57 5.0b,5.0
NEIC X 27 06 10 47.6–1.7 33.16S–.07 179.2W–.10 47–4 4.9b,5.0
IDC X 27 06 10 49.1–2.5 33.12S 179.47W 66–20 4.7,4.3b
GCMT X 27 06 10 50.4–.30 33.25S–.02 179.11W–.03 52–1 5.0W,4.3b
NOU X 27 06 10 56.8 34.02S 179.48W 205 4.6b,4.3b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=19.4km s-min=9.0km az=104.9. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.1km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.9km s-min=13.7km az=96.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110270610A. Moment Tensor Solution. s42,c47; s73,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.25±.22 $M_{\theta\theta}$-0.09±.16; $M_{\phi\phi}$-3.16±.13; $M_{r\theta}$-0.36±.10; $M_{\theta\phi}$-1.02±.09; $M_{\phi r}$1.11±.10; Best double couple: NP1:ϕ_s208.00000°,δ38.00000°,λ108.00000°. NP2:ϕ_s6.00000°,δ54.00000°,λ76.00000°. Principal axes: T 3.5170,Plg76.0000°,Azm231.0000°; N 0.0880,Plg11.0000°,Azm14.0000°; P -3.6040,Plg8.0000°,Azm105.0000° $M_0$3.56000×10^{16}
NOU South of Kermadec Islands.
ISC X 30 15 01 08.4–.78 32.21S–.06 178.4W–.10 10 4.2b 51 3-150
NEIC X 30 15 01 08.0–2.0 32.29S–.07 178.3W–.10 10–1 4.4b **¶621630083**
IDC X 30 15 01 08.4–1.2 32.30S 178.28W 0 3.9b,3.9
WEL X 30 15 01 08.2–1.3 32S–17 178W–52 10 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 28 21 19 24.9–1.4 32S–12 179E–43 300 4.3b,4.2
¶626704768
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 29 07 02 28.8–1.4 32.3S–.10 178.9W–.20 35 3.9b 8 7-147
IDC X 29 07 02 21.4–1.8 32.16S 178.47W 0 3.8b,3.8 **¶621391423**
ISC Event type se.
IDC Error ellipse: s-maj=46.7km s-min=32.5km az=58.0.
ISC X 29 22 10 52.8–1.4 32.03S–.10 179.9W–.20 150 4.0b 38 6-146
IDC X 29 22 10 53.2–7.2 32.07S 179.82W 152–54 4.3,3.9b **¶621391466**
WEL X 29 22 10 59.0–1.1 33S–19 179W–47 165–27 4.6,4.5
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 31 14 25 16.0–1.8 34S–10 179W–21 100 4.5b,3.9
¶626704939
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 31 15 45 59.5–2.2 33.1S–.10 179.9E–.30 350 24 5-152
IDC X 31 15 46 00.7–4.5 32.97S 179.63E 350–40 3.9,2.9b **¶621395256**
WEL X 31 15 46 02.8–1.8 33S–38 179E–59 363–47 4.3b,4.0
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL XI 01 06 56 27.2–1.3 34S–15 179W–15 190–43 3.8,3.8
¶635630038
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL X 31 21 05 30.9–2.1 33S–26 180E–42 382–25 4.3b,4.2
¶626704954
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
ISC XI 01 07 43 14.7–1.9 32.6S–.10 179.7W–.20 400 68 5-147
IDC XI 01 07 43 15.3–7.6 32.71S 179.99W 407–93 4.1,3.1b **¶621401256**
WEL XI 01 07 43 21.5–1.4 33S–25 180W–26 401–36 4.5,4.5b
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 01 22 47 47.7–1.4 32S–15 180E–26 415–42 4.6,4.4L
¶635630091
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 02 08 02 36.7–1.1 33.27S–.07 178.8W–.10 48 3.4b 34 4-148
WEL XI 02 08 02 36.6–1.0 33S–8.0 179W–16 113–66 4.4b,4.2 **¶635630909**
IDC XI 02 08 02 43.0–2.3 34.64S 179.11E 0 3.7b,3.7
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=22.1km s-min=5.9km az=111.7. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=69.3km s-min=35.9km az=46.0.
ISC XI 04 11 59 00.6–1.7 32.1S–.10 179.5E–.20 350 3.1b 42 6-146
IDC XI 04 11 58 50.0–5.5 31.59S 179.88W 268–46 3.7,3.1b **¶621412297**
WEL XI 04 11 59 02.5–1.1 33S–25 179W–42 432–24 4.5b,4.3L
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 02 14 11 22.7–.81 33.60S–.05 179.0W–.10 48 4.2b,3.4s 62 4-148
IDC XI 02 14 11 18.6–1.7 33.48S 179.33W 0 4.0,3.9L **¶621401343**
WEL XI 02 14 11 22.7–.88 34S–7.0 179W–16 100 4.8b,4.7
NEIC XI 02 14 11 23.1–1.7 33.53S–.06 179.3W–.10 35–2 4.5b,4.7
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 04 13 12 14.3–.41 34.75S–.03 179.02E–.06 250 4.4b 213 3-158
IDC XI 04 13 12 12.4–1.6 34.52S 178.70E 218–12 4.4,3.8b **¶621309474**
NEIC XI 04 13 12 13.5–2.5 34.62S–.08 178.9E–.10 231–5 4.5b,3.8b
GFZ XI 04 13 12 14.8–.57 35S–5.0 179E–8.0 251–6 4.9b,4.5b
WEL XI 04 13 12 15.7–.58 34S–4.0 179E–6.0 100 5.2,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 06 05 10 11.9–2.4 35S–25 179E–21 196–48 4.2,4.2
¶635633999
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 05 07 25 09.0–1.1 33S–6.0 180W–14 209–22 4.4b,4.3
¶635632880
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 06 08 46 04.5–1.2 33.00S–.08 180.0E–.20 200 25 4-147
WEL XI 06 08 46 08.7–.65 33S–7.0 180W–18 100 4.8b,4.4 **¶621415976**
IDC XI 06 08 46 09.8–8.3 33.61S 179.97W 280–93 3.6,2.9b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=24.2km s-min=5.3km az=109.5. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=113.1km s-min=51.8km az=178.0.
ISC XI 06 21 08 34.3–.64 34.08S–.07 179.49W–.09 35 4.5b,3.3s 64 4-153
IDC XI 06 21 08 27.2–1.3 33.69S 179.65W 0 4.7L,4.4 **¶621372228**
NEIC XI 06 21 08 35.6–1.6 34.09S–.10 179.8W–.20 35–2 4.4b,4.4
WEL XI 06 21 08 36.8–1.4 34S–8.0 179W–13 100 5.0b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 06 04 31 16.7–1.5 33S–9.0 180W–21 100 4.7b,4.3
¶635633998
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 08 03 08 56.4–.82 34.34S–.08 179.6W–.10 50 4.1b 52 4-159
IDC XI 08 03 08 48.7–1.1 33.94S 179.73W 0 4.1L,4.0b **¶621423069**
WEL XI 08 03 08 55.4–.95 34S–7.0 179W–12 33 4.4,4.2L
NEIC XI 08 03 08 59.6–2.4 34.41S–.08 179.9W–.20 61–8 4.2b,4.2L
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL XI 07 16 48 53.0–1.4 33S–39 179W–44 511–42 4.1,4.0b
¶635635733
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 08 13 15 52.7–1.9 33S–19 178W–45 33 4.5,4.5
¶635637033
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 09 04 00 25.8–1.8 33S–26 179E–54 100 4.1,4.1
¶635637910
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL XI 13 14 08 50.6–2.1 34S–36 180E–52 264–58 4.3b,3.7L
¶635641213
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 12 06 10 02.0–1.2 33.10S–.09 177.7W–.20 35 3.3s 39 4-162
IDC XI 12 06 10 00.0–1.8 32.96S 178.39W 0 4.4b,4.4 **¶621883521**
WEL XI 12 06 10 02.1–1.2 33S–10 178W–24 33 4.9b,4.6
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC XI 12 13 50 11.7–8.0 34.93S 179.04E 123–55 3.5,3.1b
¶621460210
IDC Error ellipse: s-maj=72.9km s-min=32.9km az=51.0.
WEL XI 14 10 31 49.1–1.3 34S–6.0 179W–15 90–112 4.8b,4.5
¶635642120
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC XI 20 21 53 24.6–1.9 32.13S 178.36W 0 3.6b,3.6
¶621590383
IDC Error ellipse: s-maj=48.0km s-min=34.0km az=62.0.
ISC XI 17 16 11 52.5–.57 34.35S–.06 178.55W–.09 10 4.5b 120 4-154
IDC XI 17 16 11 51.8–.81 34.33S 178.88W 0 4.6L,4.4b **¶621494217**
NEIC XI 17 16 11 55.2–2.1 34.12S–.09 179.0W–.10 10–1 4.6b,4.4b
WEL XI 17 16 11 55.0–.84 34S–6.0 179W–11 10 5.4b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC XI 18 00 52 32.5–9.2 33.12S 178.23W 93–89 3.9L,3.6
¶621532451
IDC Error ellipse: s-maj=93.1km s-min=59.7km az=152.0.
ISC XI 17 11 56 45.2–.96 32.58S–.08 179.5W–.10 250 3.2b 50 4-147
IDC XI 17 11 56 39.9–5.6 32.03S 179.97E 242–44 4.1,3.4b **¶621494206**
WEL XI 17 11 56 46.7–1.0 33S–7.0 180W–16 241–20 4.7,4.6b
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 25 22 10 43.9–1.2 33.51S–.07 178.8W–.10 48 3.6b 31 4-148
IDC XI 25 22 10 39.9–2.0 33.24S 179.22W 0 3.8L,3.8b **¶621618727**
WEL XI 25 22 10 44.2–1.6 34S–6.0 179W–16 35–27 4.8b,4.3
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 20 18 04 40.2–.64 32.22S–.04 178.02W–.05 19–2 5.1b,4.2s 549 3-171
WEL XI 20 18 04 35.8–.68 32S–4.0 178W–12 10 5.3,5.2b **¶621427733**
BJI XI 20 18 04 37.4 31.97S 177.55W 12 5.6b,5.2b
IDC XI 20 18 04 38.0–.39 32.08S 178.28W 0 4.4b,4.4
NEIC XI 20 18 04 40.0–1.5 32.14S–.06 178.3W–.10 10–1 5.1b,4.4
NOU XI 20 18 04 39.8 32.37S 177.71W 30 5.2b,4.4
GFZ XI 20 18 04 42.2–.23 32S–4.0 178W–4.0 32 5.3b,5.0b
GCMT XI 20 18 04 43.0–.40 32.34S–.03 177.80W–.03 32–1 4.9W,5.0b
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Kermadec Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111201804A. Moment Tensor Solution. s31,c37; s73,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.27±.17 $M_{\theta\theta}$-0.83±.11; $M_{\phi\phi}$-1.44±.10;

$M_{r\theta}$0.60±.13; $M_{\theta\theta}$-1.03±.06; $M_{\theta r}$1.62±.11; Best double couple: NP1:ϕ_s225.00000°,δ27.00000°,λ106.00000°. NP2:ϕ_s27.00000°,δ64.00000°,λ82.00000°. Principal axes: T 2.8890,Plg70.0000°,Azm280.0000°; N -0.1260,Plg7.0000°,Azm31.0000°; P -2.7640,Plg18.0000°,Azm123.0000° $M_0$2.82600×10^{16}

ISC XI 21 12 09 28.8–2.0 32.4S–.20 178.1W–.40 20 3.8b 6 7-147
IDC XI 21 12 09 27.9–1.4 32.13S 178.42W 0 3.9L,3.9 **¶621608917**
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=27.5km az=100.0.
IDC XI 25 15 45 43.5–8.7 32.57S 179.95E 286–96 3.2,2.4b
¶621618714
IDC Error ellipse: s-maj=104.1km s-min=53.8km az=178.0.
ISC XI 21 00 58 11.5–1.1 32.20S–.10 178.3W–.20 10 4.1b 17 3-147
IDC XI 21 00 58 10.8–2.1 32.43S 178.41W 0 4.0b,3.9 **¶621608888**
NEIC XI 21 00 58 11.6–2.1 32.1S–.10 178.07W–.08 10–2 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 22 20 59 22.5–.47 32.71S–.05 177.87W–.08 10 4.7b,3.7s 164 3-161
NEIC XI 22 20 59 21.0–2.5 32.71S–.09 177.4W–.20 10–1 4.7b,3.7s **¶621883575**
IDC XI 22 20 59 22.4–.68 32.74S 178.02W 0 4.3b,4.3
WEL XI 22 20 59 23.7–1.0 33S–6.0 178W–18 33 5.2b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC XI 21 11 33 19.6–7.0 33.27S 179.39W 233–65 3.6,3.0b
¶621608914
IDC Error ellipse: s-maj=71.9km s-min=41.8km az=18.0.
WEL XI 27 13 59 22.0–.84 33S–14 179W–37 100 4.5b,4.5
¶631564015
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 27 04 07 15.3–.82 33S–8.0 179W–20 100 5.3b,4.7
¶631563992
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 29 18 23 47.1–.28 33.23S–.03 179.18W–.04 55–2 5.4b,4.8s 932 4-173
IPGP XI 29 18 23 32.0 33.50S 177.75W 47 5.5W,4.8s **¶621883612**
NEIC XI 29 18 23 41.4 33.14S 179.29W 10 5.5W,4.8s
WEL XI 29 18 23 42.2 33.37S 178.38W 52 6.1L,5.4W
NEIC XI 29 18 23 42 33.54S 178.45W 50 5.4,5.4W
NOU XI 29 18 23 46.4 33.38S 179.02W 55 5.4b,5.4W
GFZ XI 29 18 23 46.5–.25 33S–3.0 179W–2.0 36–2 5.8b,5.4b
NEIC XI 29 18 23 46.3–2.0 33.15S–.06 179.3W–.10 45–3 5.5b,5.4b
MOS XI 29 18 23 49.0–1.2 33.19S 179.55W 76 5.5b,5.4b
GCMT XI 29 18 23 49.6–.10 33.24S–.01 179.03W–.01 47–0 5.5W,5.4b
IDC XI 29 18 23 52.3–1.6 33.16S 179.42W 93–12 5.0,4.7b
ISC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s41.00000°,δ56.00000°,λ57.00000°. NP2:ϕ_s270.00000°,δ46.00000°,λ129.00000°.
NEIC Event type se.
WEL Stations used: BFZ BKZ CTZ DSZ GLKZ GRZ GVZ HAZ HIZ INZ KHEZ KHZ. REVERSE FAULTING. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}1.62 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-1.43 $M_{r\theta}$-0.47 $M_{\theta\phi}$-0.29 $M_{\phi r}$-0.15 NP1:ϕ_s206.00000°,δ51.00000°,λ107.00000°. NP2:ϕ_s0.00000°,δ42.00000°,λ71.00000°. Principal axes: T 1.7367,Plg76.0000°,Azm174.0000°; N -0.2234,Plg13.0000°,Azm15.0000°; P -1.5132,Plg5.0000°,Azm284.0000° $M_0$1.64000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-1.20 $M_{r\theta}$-0.42 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.64 NP1:ϕ_s218.95000°,δ38.67000°,λ127.92000°. NP2:ϕ_s354.01000°,δ60.47000°,λ63.82000°. Principal axes: T 1.4845,Plg64.0000°,Azm218.0000°; N -0.0589,Plg23.0000°,Azm8.0000°; P -1.4257,Plg12.0000°,Azm103.0000° $M_0$1.46000×10^{17}
NOU South of Kermadec Islands.
GFZ Error ellipse: s-maj=6.6km s-min=4.9km az=22.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=7.5km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.1km s-min=10.3km az=112.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111291823A. Moment Tensor Solution. s126,c232; s145,c275;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.03 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-1.75±.02; $M_{r\theta}$-0.34±.02; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$1.09±.02; Best double couple: NP1:ϕ_s202.00000°,δ31.00000°,λ115.00000°. NP2:ϕ_s354.00000°,δ62.00000°,λ76.00000°. Principal axes: T 2.0360,Plg69.0000°,Azm234.0000°; N 0.0460,Plg13.0000°,Azm1.0000°; P -2.0820,Plg16.0000°,Azm94.0000° $M_0$2.05900×10^{17}
IDC Error ellipse: s-maj=12.6km s-min=11.4km az=61.0.
WEL XI 28 08 14 41.3–.77 32S–7.0 180E–15 300 4.6b,4.5
¶631564099
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
ISC XI 27 10 27 03.3–2.3 34.1S–.10 178.3W–.30 37 33 5-149
IDC XI 27 10 27 02.4–3.1 34.02S 178.99W 0 3.8L,3.8b **¶621625118**
WEL XI 27 10 27 04.9–1.3 34S–23 178W–29 100 4.4b,3.9
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 29 18 29 50.2–.57 33.36S–.06 178.76W–.10 48 4.6b 117 4-153
IDC XI 29 18 29 43.6–.77 32.99S 178.95W 0 5.0L,4.7b **¶621626987**
WEL XI 29 18 29 48.7–.80 33S–6.0 179W–14 33 5.5b,5.3
NEIC XI 29 18 29 49.6–1.2 33.29S–.09 179.1W–.20 29–5 4.6b,5.3
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 29 18 40 06.7–2.0 33.4S–.10 178.8W–.20 35 29 5-148
IDC XI 29 18 40 02.7–3.2 32.95S 179.09W 0 3.7L,3.5 **¶621626989**
WEL XI 29 18 40 14.3–13 34S–75 179W–92 33 4.8b,4.1
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL XI 30 10 19 05.7–1.4 34S–39 180E–46 334–50 4.2b,3.5
¶631564289
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 30 18 45 21.4–13 35S–101 179E–58 277–68 5.0b,4.3
¶631564316
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL XII 01 14 57 46.8–14 33S–106 179E–61 403–88 4.1b,3.5L
¶631564358
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL XI 30 22 41 48.6–.89 32S–7.0 180E–15 259–19 4.8b,4.7
¶631564321
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XI 30 23 10 12.6–1.3 33.3S–.10 178.9W–.20 48 3.7b 40 4-148
IDC XI 30 23 10 07.3–2.0 33.03S 179.15W 0 4.1L,3.9 **¶621627101**
WEL XI 30 23 10 12.6–.86 33S–30 180W–77 100 4.7b,4.4
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL XII 01 07 31 22.0–1.6 33S–27 180W–37 442–37 4.3b,4.2
¶631564343
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
ISC XII 03 23 15 38.0–2.2 32.1S–.20 179.6E–.40 500 24 6-146
IDC XII 03 23 14 41.3–5.0 29.88S 179.28W 0 3.5b,3.5 **¶631564467**
WEL XII 03 23 15 41.1–1.5 32S–19 180E–37 458–58 4.5,4.4b
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 04 06 44 19.1–1.7 32S–29 179W–73 500 4.6,3.8b
¶631564477
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 04 10 45 27.0–.54 33S–7.0 180W–15 33 5.0b,4.5
¶631564486
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 04 22 42 53.6–2.7 35S–54 179E–76 305–26 3.5,3.5
¶631564516
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
ISC XII 05 04 45 21.7–1.0 33.92S–.09 177.6W–.10 35 4.3b 34 5-152
IDC XII 05 04 45 18.0–1.9 33.70S 178.01W 0 4.3b,4.2 **¶621631225**
WEL XII 05 04 45 18.9–.86 34S–6.0 178W–13 33 4.6,4.6
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 04 20 06 30.8–1.8 33S–41 180W–46 356–51 4.4b,4.0
¶631564509
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 06 23 19 53.4–1.3 33.76S–.10 179.4E–.10 35 4.2b 33 4-147
IDC XII 06 23 19 47.9–1.8 33.72S 179.76E 0 4.1,4.0b **¶621632629**
WEL XII 06 23 19 52.5–1.5 34S–10 179E–9.0 33 4.7b,4.3
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 04 20 18 55.8–1.6 32.0S–.10 179.8E–.20 363 3.2b 8 7-150
IDC XII 04 20 18 48.5–4.8 31.55S 179.92W 299–42 3.8,3.1b **¶621630689**
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=22.6km az=41.0.
IDC XII 07 23 21 38.5–8.0 32.83S 179.02W 0 3.3b,3.3
¶621632716
IDC Error ellipse: s-maj=367.3km s-min=65.7km az=161.0.
ISC XII 07 02 49 28.2–.86 32.91S–.09 178.1W–.20 34 4.1b 27 4-151
IDC XII 07 02 49 22.9–1.2 32.67S 178.09W 0 4.1b,4.0 **¶621632638**
NEIC XII 07 02 49 25.1–1.3 32.91S–.09 178.1W–.20 10–1 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 08 06 26 28.2–2.2 33.04S 179.04W 0 3.6,3.5L
¶621634679
IDC Error ellipse: s-maj=52.7km s-min=37.6km az=65.0.
ISC XII 09 17 30 57.7–.94 32.27S–.07 177.3W–.10 10 4.5b 51 3-154
IDC XII 09 17 30 58.6–1.6 32.27S 177.76W 0 4.3b,4.2 **¶621636585**
NEIC XII 09 17 30 58.7–1.9 32.18S–.10 177.4W–.10 10–1 4.5b,4.2
WEL XII 09 17 31 01.4–1.2 32S–6.0 178W–20 33 4.5,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC XII 09 19 11 39.1–3.3 32.53S 179.09W 0 3.4b,3.4
¶621636593
IDC Error ellipse: s-maj=73.5km s-min=37.8km az=107.0.
WEL XII 09 19 14 30.9–1.6 32S–9.0 178E–43 10 4.6b,4.2
¶631564735
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 10 12 06 22.4–.86 34S–7.0 180E–16 162–24 4.4b,3.8
¶631564773
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 09 23 53 05.9–1.6 32.4S–.10 178.3W–.30 33 4.4b 30 3-152
IDC XII 09 23 53 02.9–2.2 32.48S 178.34W 0 4.2,4.1L **¶621636600**
WEL XII 09 23 53 04.9–.83 32S–16 179W–44 150 4.6b,4.5
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC XII 10 01 51 30.8–2.9 32.33S 178.32W 0 3.6L,3.6
¶621644095
IDC Error ellipse: s-maj=73.9km s-min=45.2km az=122.0.
ISC XII 11 14 17 22.4–.88 33.83S–.07 178.9W–.10 50 3.9b,2.7s 41 4-153
IDC XII 11 14 17 16.6–1.3 33.38S 179.29W 0 4.1L,4.0 **¶621644194**
WEL XII 11 14 17 21.8–.80 34S–6.0 179W–13 33 5.1b,4.6
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 10 18 37 27.1–1.6 33S–36 179E–59 343–63 4.1b,3.8
¶631564788
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 10 15 04 59.6–1.4 34S–18 179E–18 214–41 4.1,4.1
¶631564781
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 13 21 45 03.7–1.2 35S–24 180E–26 304–22 4.3b,4.0
¶631564937
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC XII 13 09 52 33.8–8.5 33.91S 179.74E 97–81 3.5,3.2b
¶621650568
IDC Error ellipse: s-maj=69.9km s-min=56.2km az=170.0.
WEL XII 15 06 39 08.4–3.4 34S–38 179W–32 158–124 4.0L,3.7
¶631564989
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 15 13 30 45.5–1.1 33S–15 178W–34 33 4.8b,4.4L
¶631565003
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC XII 15 23 56 33.3–3.0 32.33S 179.05W 0 4.1b,4.1
¶621654158
IDC Error ellipse: s-maj=66.8km s-min=46.0km az=113.0.
ISC XII 16 19 18 27.5–1.4 34.0S–.10 179.4E–.30 150 3.5b 9 5-152
IDC XII 16 19 18 26.0–6.4 33.96S 179.48E 132–51 3.9,3.4b **¶621655800**
ISC Event type se.
IDC Error ellipse: s-maj=53.9km s-min=28.5km az=44.0.
WEL XII 16 15 33 45.8–2.1 34S–41 180W–50 216–51 3.8L,3.4
¶631565044
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 17 09 40 40.1–1.3 34S–17 180W–13 223–53 5.8b,5.3
¶631565074
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 18 07 18 35.4–1.8 34S–48 180E–53 319–50 3.8b,3.6
¶631565111
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL XII 17 16 56 34.2–1.7 34S–28 179W–24 274–65 4.1,4.1
¶631565087
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 18 12 28 27.2–3.5 34S–32 179E–48 414–32 3.6L,3.4
¶631565121
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

WEL XII 19 02 05 02.3–1.3 33S–16 180W–43 300 4.5b,4.3 ¶631565162
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 20 11 43 59.9–1.6 33S–23 179E–28 427–44 4.3b,4.1 ¶631565212
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 19 10 55 42.5–10 33S–100 179E–74 373–53 4.2,4.2 ¶631565181
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL XII 22 10 00 36.3–1.4 34S–20 179E–21 237–57 3.8,3.8 ¶631565277
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 23 00 33 33.4–1.9 34.32S–.09 179.4W–.20 61 53 4-148
IDC XII 23 00 33 25.8–2.8 34.04S 179.37W 0 4.0L,3.9 **¶621686796**
WEL XII 23 00 33 38.3–2.1 35S–30 180W–23 160–93 4.3,4.3
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 22 13 41 33.6–.98 34.53S–.07 179.3W–.10 100 4.1b 74 4-153
NEIC XII 22 13 41 16.1–1.0 33.79S–.07 178.1W–.20 10–2 4.2b **¶621686770**
IDC XII 22 13 41 23.9–1.9 33.90S 179.54W 0 4.0b,4.0
WEL XII 22 13 41 34.8–.81 35S–6.0 179W–11 100 4.8b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 24 01 41 13.0–1.0 34.35S–.07 179.2E–.10 300 3.6b 98 3-148
IDC XII 24 01 41 10.7–2.3 34.03S 178.98E 246–21 4.4,3.6b **¶621700066**
WEL XII 24 01 41 15.9–1.6 34S–22 179E–19 295–34 5.0L,4.8
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 25 02 52 04.9–.51 32.47S–.05 179.86W–.08 250 4.3b 137 4-152
WEL XII 25 02 52 04.3–.82 33S–6.0 179W–15 221–15 5.2,4.7b **¶621653202**
NEIC XII 25 02 52 04.1–1.9 32.44S–.09 180.0W–.20 229–7 4.4b,4.7b
IDC XII 25 02 52 11.3–3.0 32.32S 179.87E 303–26 4.6,3.9b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=21.0km s-min=4.5km az=108.8. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=11.6km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=13.8km az=60.0.
ISC XII 25 18 55 01.3–.58 32.88S–.05 179.66W–.09 150 4.2b 56 4-147
IDC XII 25 18 54 43.8–1.6 32.64S 179.59W 0 4.0b,4.0 **¶621700167**
WEL XII 25 18 55 01.9–.76 33S–10 179W–26 100 4.7b,4.5
NEIC XII 25 18 55 01.5–2.3 32.88S–.07 179.7W–.10 151–7 4.4b,4.5
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL XII 26 04 52 08.0–1.3 32S–16 180E–47 500 4.1,4.1 ¶631565515
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC XII 29 13 26 31.5–9.2 32.81S 179.86W 139–91 3.6,3.2b ¶621724218
IDC Error ellipse: s-maj=83.0km s-min=56.0km az=174.0.
ISC XII 27 01 54 23.3–1.7 33.9S–.10 179.5E–.30 35 3.6b 7 5-150
IDC XII 27 01 54 17.6–1.7 33.72S 179.65E 0 3.8,3.7L **¶621717275**
ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=21.1km az=93.0.
ISC XII 27 16 38 42.6–1.0 32.21S–.09 179.4W–.20 350 33 3-146
WEL XII 27 16 38 46.3–.63 32S–9.0 179W–22 300 4.2b,4.2 **¶621717327**
IDC XII 27 16 38 48.4–8.1 32.49S 179.87E 383–97 3.6,2.7b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=30.4km s-min=5.0km az=111.1. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=116.5km s-min=47.0km az=2.0.
ISC XII 29 09 28 54.5–1.3 33.87S–.10 177.8W–.20 10 4.1b 58 5-154
WEL XII 29 09 28 54.7–1.3 34S–8.0 178W–19 12 5.1b,4.6 **¶621724198**
IDC XII 29 09 28 58.1–1.4 33.52S 178.89W 0 4.2,4.1L
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=25.4km s-min=9.3km az=103.9. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
IDC Error ellipse: s-maj=37.6km s-min=28.2km az=99.0.
WEL XII 29 06 33 02.0–1.8 32S–44 179E–79 438–73 3.9L,3.7 ¶631565696
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.
WEL XII 29 19 48 12.6–1.5 32S–25 179E–43 266–62 4.5b,4.5 ¶631565739
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 30 00 35 24.1–1.1 33S–23 180E–47 345–17 4.2,4.2 ¶631565758
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

SEISMIC REGION 13.
Fiji Area.

(180) North of Fiji Islands.
IDC XI 24 05 26 12.8–1.1 12.70S 176.78W 0 4.1b,4.1 ¶621613960
IDC Error ellipse: s-maj=40.3km s-min=18.9km az=175.0.

(181) Fiji Islands region.
IDC VII 01 00 12 16.6–5.9 17.33S 178.51W 577–25 4.0,3.1b ¶620927647
IDC Error ellipse: s-maj=159.7km s-min=39.5km az=26.0.
ISC VII 01 10 08 27.0–1.3 19.4S–.20 176.1W–.20 300 3.3b 7 6-85
IDC VII 01 10 08 27.6–3.5 19.31S 176.14W 307–34 4.0,3.2b **¶620927664**
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=25.7km az=15.0.
ISC VII 02 03 16 07.7–.65 19.9S–.10 178.4W–.10 602 3.7b 21 4-150
IDC VII 02 03 16 09.1–1.4 19.86S 178.54W 618–17 4.2,3.2b **¶620927709**
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=13.4km az=147.0.
IDC VII 02 07 41 02.5–1.6 21.76S 177.15W 0 3.7b,3.7 ¶620927734
IDC Error ellipse: s-maj=53.9km s-min=36.9km az=172.0.
ISC VII 02 20 14 37.2–.16 21.78S–.03 179.32W–.03 604–1 5.7b 2725 5-175
BGR VII 02 20 13 30.2 23.12S 177.95W 33 5.7b **¶621112191**
BJI VII 02 20 14 35.7 21.85S 179.15W 600 6.0b,6.0b
MOS VII 02 20 14 37.0–1.0 21.74S 179.45W 600 5.8b,6.0b
NEIC VII 02 20 14 37.7–1.6 21.81S–.08 179.42W–.08 600–2 6.1,5.7b
PTWC VII 02 20 14 37 21.70S 179.30W 619 5.8,5.7b
GFZ VII 02 20 14 37.8–.08 22S–2.0 179W–1.0 595–0 6.2b,5.9
NEIC VII 02 20 14 37.7 21.84S 179.37W 602 6.2b,5.9
IDC VII 02 20 14 37.9–.33 21.75S 179.50W 599–2 6.0,5.1b
NOU VII 02 20 14 37.5 21.84S 179.42W 595 5.7,5.1b
IPGP VII 02 20 14 38.0 21.83S 179.36W 606 6.1W,5.1b
GFZ VII 02 20 14 38.2 21.80S 179.48W 600 6.1W,5.1b
NEIC VII 02 20 14 38.1 21.83S 179.39W 603 6.1W,5.1b
GCMT VII 02 20 14 41.3–.10 21.88S–.01 179.39W–.01 607–0 6.1W,5.1b
NEIC VII 02 20 14 42.1 21.84S 179.48W 600 6.1,5.1b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=8.3km s-min=6.8km az=115.4.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=11.2km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.18 $M_{\theta\theta}$0.08 $M_{\phi\phi}$0.10 $M_{r\theta}$-1.03 $M_{\theta\phi}$-0.12 $M_{\phi r}$-1.62 NP1:ϕ_s156.55000°,δ2.16000°,λ-145.65000°. NP2:ϕ_s32.22000°,δ88.78000°,λ-88.22000°. Principal axes: T 1.8214,Plg44.0000°,Azm120.0000°; N 0.1966,Plg2.0000°,Azm212.0000°; P -2.0180,Plg46.0000°,Azm304.0000° $M_0$1.93000×10^{18}
PTWC FIJI REGION.
GFZ Error ellipse: s-maj=3.4km s-min=3.0km az=171.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
IDC Error ellipse: s-maj=7.2km s-min=6.5km az=175.0.
NOU Fiji Islands Region.
IPGP Moment Tensor Solution. NP1:ϕ_s129.00000°,δ7.00000°,λ-174.00000°. NP2:ϕ_s33.00000°,δ89.00000°,λ-83.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$0.34 $M_{r\theta}$-0.78 $M_{\theta\phi}$-0.09 $M_{\phi r}$-1.28 NP1:ϕ_s130.53569°,δ11.50621°,λ-170.28331°. NP2:ϕ_s31.01066°,δ88.07068°,λ-78.65454°. Principal axes: T 1.5381,Plg41.9969°,Azm110.2227°; N -0.0042,Plg11.3389°,Azm210.6236°; P -1.5338,Plg45.7829°,Azm312.5165° $M_0$1.53596×10^{18}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202107022014A. Moment Tensor Solution. s159,c350; s131,c166;Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08±.01 $M_{\theta\theta}$-0.37±.01; $M_{\phi\phi}$0.28±.01; $M_{r\theta}$-0.96±.01; $M_{\theta\phi}$-0.19±.01; $M_{\phi r}$-1.48±.01; Best double couple: NP1:ϕ_s117.00000°,δ12.00000°,λ174.00000°. NP2:ϕ_s213.00000°,δ89.00000°,λ78.00000°. Principal axes: T 1.8050,Plg45.0000°,Azm111.0000°; N -0.0030,Plg12.0000°,Azm213.0000°; P -1.8020,Plg42.0000°,Azm315.0000° $M_0$1.80400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08 $M_{\theta\theta}$0.05 $M_{\phi\phi}$0.13 $M_{r\theta}$-0.88 $M_{\theta\phi}$-0.21 $M_{\phi r}$-1.34 NP1:ϕ_s119.94000°,δ5.97000°,λ177.61000°. NP2:ϕ_s212.32000°,δ89.75000°,λ84.03000°. Principal axes: T 1.5119,Plg45.0000°,Azm116.0000°; N 0.1936,Plg6.0000°,Azm212.0000°; P -1.7055,Plg44.0000°,Azm308.0000° $M_0$1.62000×10^{18}
ISC VII 02 22 40 14.3–1.1 18.3S–.10 178.0W–.20 557 4.2b 25 4-148
IDC VII 02 22 40 15.9–2.1 18.38S 178.07W 575–21 4.0,2.9b **¶620927776**
NEIC VII 02 22 40 17.5–1.5 18.27S–.09 178.1W–.20 597–14 4.4b,2.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 03 00 13 17.8–.89 19.6S–.20 178.1W–.20 450 3.3b 10 4-149
IDC VII 03 00 13 18.7–2.6 19.59S 178.16W 461–26 3.7,2.9b **¶620927779**
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=22.6km az=144.0.
ISC VII 03 01 14 25.7–.37 20.57S–.07 178.38W–.07 587 4.2b 216 4-160
NEIC VII 03 01 14 24.8–2.0 20.56S–.08 178.3W–.10 566–5 4.2b **¶620733162**
IDC VII 03 01 14 26.1–1.2 20.57S 178.42W 585–13 4.5,3.6b
GFZ VII 03 01 14 26.4–.39 21S–4.0 178W–4.0 597–5 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VII 03 09 11 13.0–2.0 21.10S 179.18W 647–24 4.0,3.0b ¶620927800
IDC Error ellipse: s-maj=30.8km s-min=27.8km az=158.0.
IDC VII 03 12 55 54.2–63 16.09S 176.45W 0 3.9b,3.9 ¶620927806
IDC Error ellipse: s-maj=1185.0km s-min=188.3km az=78.0.
IDC VII 03 15 12 02.2–5.2 18.03S 178.19W 612–26 3.7,2.7b ¶620927816
IDC Error ellipse: s-maj=174.5km s-min=28.3km az=141.0.
ISC VII 03 20 30 33.1–.47 21.93S–.06 177.1W–.10 250 4.0b 103 6-153
NEIC VII 03 20 30 33.1–2.3 21.8S–.10 177.1W–.10 246–8 4.3b **¶620927835**
IDC VII 03 20 30 35.1–2.6 21.61S 177.23W 264–22 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=16.9km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.1km s-min=15.5km az=145.0.
ISC VII 04 16 52 26.6–.47 17.7S–.10 178.49W–.09 547 4.2b 104 3-150
NEIC VII 04 16 52 27.9–.96 17.8S–.10 178.34W–.08 566–7 4.3b **¶620734177**
IDC VII 04 16 52 30.1–1.6 17.68S 178.65W 581–17 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=10.2km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.4km s-min=14.2km az=141.0.
ISC VII 04 21 08 06.4–1.3 17.1S–.10 177.1W–.20 550 4.4b 25 5-73
IDC VII 04 21 08 03.3–72 16.98S 176.54W 566–68 4.3,3.3b **¶620927906**
NEIC VII 04 21 08 08.6–.77 17.2S–.20 177.2W–.20 565–13 4.5b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 05 08 36 35.7–5.2 19.26S 176.58W 0 3.5b,3.5 ¶620927944
IDC Error ellipse: s-maj=330.6km s-min=62.8km az=154.0.
ISC VII 05 09 45 57.2–.59 16.1S–.10 176.0W–.10 360 3.9b 29 5-145
NEIC VII 05 09 45 59.3–1.6 16.1S–.20 175.9W–.10 387–9 4.1b **¶620927954**
IDC VII 05 09 46 00.9–2.8 15.86S 176.26W 396–27 3.9,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=14.3km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.2km s-min=18.3km az=143.0.
ISC VII 05 21 56 03.8–.88 20.1S–.20 178.1W–.10 569 4.0b 24 4-148
NEIC VII 05 21 56 04.1–1.4 20.2S–.10 178.1W–.20 570–12 4.1b **¶620927991**
IDC VII 05 21 56 04.3–2.6 19.99S 178.09W 577–27 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=16.1km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.8km s-min=38.1km az=10.0.
ISC VII 05 23 37 49.0–.61 21.8S–.10 179.4W–.10 592 3.8b 50 5-151
IDC VII 05 23 37 46.9–1.9 21.91S 179.30W 567–20 4.1,3.1b **¶620927997**
NEIC VII 05 23 37 47.2–1.1 21.9S–.10 179.2W–.20 571–9 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 06 01 04 40.9–1.1 17.8S–.20 178.9W–.10 550 4.4b 30 3-147
NEIC VII 06 01 04 42.0–1.0 17.7S–.20 178.91W–.08 567–12 4.5b **¶620927999**
IDC VII 06 01 04 42.4–2.2 17.60S 178.99W 577–18 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=10.9km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.6km s-min=32.2km az=162.0.
ISC VII 06 05 04 40.2–3.5 19.7S–.40 177.5W–.40 550 3.6b 6 5-70
IDC VII 06 05 04 40.5–4.0 19.92S 177.56W 537–44 4.0,3.1b **¶620928003**
ISC Event type se.
IDC Error ellipse: s-maj=132.9km s-min=38.7km az=29.0.
ISC VII 06 10 11 35.1–1.5 19.4S–.20 177.8W–.20 450 3.9b 19 4-75
IDC VII 06 10 11 34.9–3.9 19.32S 177.80W 453–41 4.1,3.3b **¶620928023**
NEIC VII 06 10 11 36.1–.26 19.6S–.10 177.8W–.20 446–17 4.1b,3.3b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 07 02 34 43.7–1.7 18.26S 176.88W 0 3.8b,3.8 ¶620928076
IDC Error ellipse: s-maj=54.6km s-min=45.9km az=171.0.
ISC VII 07 03 06 03.8–.67 17.9S–.10 178.5W–.10 600 4.2b 38 3-149
NEIC VII 07 03 06 05.0–.75 18.0S–.20 178.52W–.10 606–9 4.4b ¶620928077
IDC VII 07 03 06 05.2–1.8 17.79S 178.63W 613–20 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=9.5km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.3km s-min=16.5km az=147.0.
ISC VII 07 03 21 37.0–.73 16.6S–.10 179.9W–.20 550 4.3b 29 2-149
IDC VII 07 03 21 35.4–3.2 16.95S 179.49W 545–18 4.2,3.3b ¶620928078
NEIC VII 07 03 21 37.0–1.4 16.7S–.20 179.8W–.10 540–8 4.4b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 07 05 20 52.7–5.8 16.43S 178.03W 604–22 4.1,3.1b ¶620928085
IDC Error ellipse: s-maj=132.6km s-min=38.8km az=30.0.
IDC VII 07 05 42 46.8–10 18.27S 177.64W 581–42 3.5,2.6b ¶620928087
IDC Error ellipse: s-maj=319.6km s-min=35.2km az=141.0.
IDC VII 07 07 30 09.7–2.4 18.45S 178.01W 561–25 3.4,2.5b ¶620928089
IDC Error ellipse: s-maj=36.2km s-min=34.2km az=119.0.
ISC VII 07 08 49 30.5–3.2 17.5S–.50 178.5W–.40 600 3.7b 8 3-73
IDC VII 07 08 49 30.5–3.0 17.73S 178.56W 589–20 4.2,3.3b ¶620928101
ISC Event type se.
IDC Error ellipse: s-maj=66.4km s-min=35.4km az=23.0.
IDC VII 07 11 39 45.3–3.3 19.76S 177.88W 404–42 3.9,3.2b ¶620928111
IDC Error ellipse: s-maj=117.3km s-min=29.6km az=26.0.
ISC VII 07 12 13 23.9–1.1 17.4S–.20 178.9W–.20 539 4.0b 27 3-84
NEIC VII 07 12 13 24.9–.92 17.3S–.20 178.8W–.20 561–11 4.0b ¶620928113
IDC VII 07 12 13 26.1–3.0 17.54S 179.06W 561–19 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.9km s-min=8.0km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=77.8km s-min=27.2km az=25.0.
IDC VII 07 15 44 14.0–1.4 15.68S 177.50W 0 4.0L,4.0 ¶620928126
IDC Error ellipse: s-maj=188.2km s-min=20.4km az=162.0.
ISC VII 07 19 43 01.6–.79 17.6S–.20 178.7W–.10 600 4.0b 46 3-147
NEIC VII 07 19 43 00.6–1.2 17.6S–.30 178.6W–.20 575–10 4.1b ¶620928137
IDC VII 07 19 43 01.8–1.9 17.41S 178.91W 576–18 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=42.3km s-min=16.8km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=76.4km s-min=17.5km az=148.0.
ISC VII 08 02 38 33.1–.36 17.87S–.07 178.54W–.06 579 4.3b 248 3-148
NEIC VII 08 02 38 33.0–.96 18.0S–.10 178.5W–.10 568–6 4.2b ¶620773170
GFZ VII 08 02 38 33.7–.34 18S–5.0 179W–3.0 578–4 4.5b,4.5
IDC VII 08 02 38 35.2–.86 17.84S 178.68W 598–9 4.6,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=12.8km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.2km s-min=6.4km az=154.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=16.2km s-min=11.4km az=136.0.
IDC VII 08 16 49 35.9–5.1 17.62S 176.61W 165–37 3.9,3.4b ¶620928189
IDC Error ellipse: s-maj=200.2km s-min=22.1km az=152.0.
ISC VII 08 23 28 18.2–.59 15.1S–.10 177.8W–.20 400 4.2b 50 1-145
NEIC VII 08 23 28 18.0–1.0 15.1S–.10 177.7W–.10 397–7 4.3b ¶620928208
IDC VII 08 23 28 19.1–2.5 15.16S 177.88W 406–24 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=14.7km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.6km s-min=19.6km az=113.0.
ISC VII 09 12 23 44.2–.27 15.94S–.06 177.65W–.05 450 4.6b 453 2-159
NOU VII 09 12 23 43.3 16.16S 177.57W 452 4.7b ¶621112222
NEIC VII 09 12 23 44.0–1.5 15.9S–.10 177.70W–.08 440–4 4.6b
IDC VII 09 12 23 43.5–.78 15.84S 177.82W 436–7 4.8,4.0b
GFZ VII 09 12 23 44.2–.33 16S–7.0 178W–4.0 435–3 4.6b,4.6
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 09 14 22 07.2–.38 20.52S–.07 178.00W–.07 500 4.1b 109 5-150
NEIC VII 09 14 22 03.8–1.4 20.6S–.10 177.9W–.10 458–6 4.5b ¶620928267
IDC VII 09 14 22 07.9–1.4 20.58S 178.05W 494–13 4.1,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=13.5km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=13.4km az=141.0.
ISC VII 10 18 34 18.1–.89 15.4S–.30 177.4W–.20 386 3.5b 7 6-84
IDC VII 10 18 34 18.7–2.2 15.46S 177.39W 394–27 3.9,3.1b ¶620928374
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=19.1km az=156.0.
ISC VII 11 03 16 03.4–1.3 21.4S–.20 178.2W–.20 300 3.5b 7 5-90
IDC VII 11 03 16 00.1–5.6 21.78S 177.95W 280–40 4.0,3.4b ¶620928399
ISC Event type se.
IDC Error ellipse: s-maj=70.6km s-min=24.9km az=141.0.
ISC VII 11 04 15 50.8–.82 15.2S–.30 176.3W–.10 17 3.9b,3.6s 12 5-145
IDC VII 11 04 15 48.2–.82 15.13S 176.57W 0 3.9,3.8b ¶620928403
ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=16.6km az=160.0.
IDC VII 11 18 20 17.0–5.5 17.51S 178.75W 550–27 3.8,3.0b ¶620928436
IDC Error ellipse: s-maj=149.9km s-min=40.0km az=26.0.
ISC VII 11 21 42 09.6–.57 19.9S–.10 178.4W–.10 602 3.9b 71 4-152
NEIC VII 11 21 42 10.4–1.5 19.9S–.10 178.2W–.20 612–7 4.1b ¶620928447
IDC VII 11 21 42 12.4–1.6 19.90S 178.56W 630–17 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=20.4km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.4km s-min=14.2km az=125.0.
ISC VII 12 00 58 41.6–1.1 17.7S–.30 178.3W–.20 600 3.4b 7 3-86
IDC VII 12 00 58 42.0–1.9 17.69S 178.33W 605–21 3.9,2.9b ¶620928452
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=23.0km az=154.0.
ISC VII 12 01 35 26.8–.53 19.65S–.10 177.9W–.10 450 4.2b 57 4-152
NEIC VII 12 01 35 26.2–1.5 19.7S–.10 177.8W–.20 439–7 4.4b ¶620928455
IDC VII 12 01 35 28.2–2.2 19.59S 178.02W 465–22 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=16.6km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.9km s-min=16.2km az=101.0.
ISC VII 12 02 06 13.1–.71 19.2S–.10 177.7W–.10 600 3.8b 37 4-95
IDC VII 12 02 06 12.4–1.4 19.07S 177.68W 578–17 4.1,3.1b ¶620928459
NEIC VII 12 02 06 12.4–1.0 19.4S–.10 177.6W–.10 570–10 4.3b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 12 06 10 27.9–.62 17.9S–.10 178.6W–.10 579 4.0b 48 3-91
NEIC VII 12 06 10 28.5–.95 18.0S–.20 178.5W–.10 585–9 4.1b ¶620928464
IDC VII 12 06 10 28.8–1.7 17.86S 178.63W 591–20 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=16.9km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.4km s-min=15.8km az=140.0.
ISC VII 12 22 08 19.2–1.9 15.3S–.70 176.1W–.40 26 3.8b,3.5s 7 4-146
IDC VII 12 22 08 15.1–2.0 15.30S 176.08W 0 3.8b,3.8 ¶620928505
ISC Event type se.
IDC Error ellipse: s-maj=126.3km s-min=26.1km az=150.0.
ISC VII 12 22 21 40.1–1.8 15.4S–.70 176.1W–.40 26 4.0b,3.6s 9 4-146
IDC VII 12 22 21 36.0–1.6 15.40S 176.05W 0 4.0b,4.0 ¶620928506
ISC Event type se.
IDC Error ellipse: s-maj=111.5km s-min=22.5km az=152.0.
ISC VII 13 15 09 20.0–.64 15.6S–.10 177.4W–.10 400 3.9b 31 1-144
NEIC VII 13 15 09 21.1–1.0 15.6S–.10 177.4W–.20 416–8 4.0b ¶620928542
IDC VII 13 15 09 22.9–2.4 15.55S 177.67W 433–26 3.8,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=17.6km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.8km s-min=21.6km az=145.0.
IDC VII 13 20 53 51.7–7.9 18.19S 179.26W 560–28 3.4,2.6b ¶620928562
IDC Error ellipse: s-maj=289.7km s-min=103.7km az=149.0.
ISC VII 14 14 20 21.0–.80 20.4S–.20 178.0W–.10 500 3.9b 30 5-147
IDC VII 14 14 20 20.0–2.5 20.40S 178.09W 487–24 4.0,3.1b ¶620928600
NEIC VII 14 14 20 20.4–1.1 20.6S–.10 177.89W–.09 491–11 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 14 14 33 55.0–11 19.92S 178.31W 563–56 3.9,2.9b ¶620928602
IDC Error ellipse: s-maj=274.6km s-min=47.7km az=142.0.
IDC VII 14 17 34 20.4–8.5 18.74S 177.39W 594–60 3.6,2.7b ¶620928606
IDC Error ellipse: s-maj=318.4km s-min=38.1km az=26.0.
IDC VII 14 18 12 40.5–2.6 21.13S 179.69W 482–39 3.4,2.5b ¶620928610
IDC Error ellipse: s-maj=71.1km s-min=38.8km az=20.0.
IDC VII 14 20 03 45.0–4.8 18.35S 178.12W 545–27 3.8,2.8b ¶620928613
IDC Error ellipse: s-maj=156.5km s-min=25.0km az=147.0.
IDC VII 15 06 18 15.9–27 20.22S 178.80W 545–82 4.1,3.3b ¶620928629
IDC Error ellipse: s-maj=553.8km s-min=116.2km az=86.0.
ISC VII 15 08 13 44.2–.90 21.0S–.20 179.2W–.20 650 3.3b 10 4-143
IDC VII 15 08 13 43.7–1.7 21.09S 179.17W 645–20 4.0,3.0b ¶620928632
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=18.2km az=152.0.
ISC VII 15 08 54 41.1–.55 20.6S–.10 178.4W–.10 587 4.0b 54 4-150
NEIC VII 15 08 54 42.9–1.4 20.6S–.10 178.5W–.10 605–8 4.1b ¶620928635
IDC VII 15 08 54 43.4–1.9 20.60S 178.55W 616–19 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=13.0km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.1km s-min=15.5km az=139.0.
IDC VII 15 17 06 38.5–60 20.02S 178.71W 0 3.6b,3.6 ¶620928651
IDC Error ellipse: s-maj=1090.0km s-min=175.1km az=82.0.
ISC VII 16 05 20 26.1–1.5 22.0S–.10 179.5W–.20 592 4.0b 11 5-144
IDC VII 16 05 20 26.5–1.4 21.90S 179.56W 603–17 4.4,3.4b ¶620928687
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=18.9km az=43.0.
ISC VII 16 14 21 20.7–1.2 17.9S–.30 178.0W–.20 590 3.5b 10 4-148
IDC VII 16 14 21 23.6–2.2 18.02S 178.09W 616–20 3.9,2.9b ¶620928666
ISC Event type se.
IDC Error ellipse: s-maj=38.1km s-min=25.8km az=142.0.
IDC VII 17 01 46 01.9–12 19.67S 178.33W 0 3.7b,3.7 ¶620928743
IDC Error ellipse: s-maj=334.0km s-min=36.6km az=33.0.
ISC VII 17 03 23 46.7–.23 20.60S–.03 178.33W–.03 561–2 5.4b 1613 4-173
BJI VII 17 03 23 44.8 20.41S 177.98W 558 5.4b,5.4b ¶620833041
MOS VII 17 03 23 46.3–.85 20.55S 178.47W 558 5.5b,5.4b
NEIC VII 17 03 23 47.3 20.59S 178.41W 557 5.5b,5.4b
NEIC VII 17 03 23 47.8 20.39S 178.30W 560 5.5,5.4b
GFZ VII 17 03 23 47.6–.33 21S–2.0 178W–2.0 559–3 5.4b,5.2
GFZ VII 17 03 23 47.6 20.52S 178.47W 584 5.5W,5.2
NEIC VII 17 03 23 47.7–2.1 20.60S–.09 178.41W–.08 563–1 5.4b,5.2
IDC VII 17 03 23 47.2–.84 20.60S 178.43W 563–8 5.7,4.9b
NOU VII 17 03 23 48.5 20.54S 178.54W 575 5.5b,4.9b
GCMT VII 17 03 23 50.0–.20 20.49S–.02 178.56W–.02 579–1 5.6W,4.9b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.26 $M_{\theta\theta}$1.69 $M_{\phi\phi}$-0.44 $M_{r\theta}$-0.69 $M_{\theta\phi}$0.38 $M_{\phi r}$-1.32 NP1:ϕ_s288.49000°,δ37.42000° ,λ-36.14000°. NP2:ϕ_s48.60000°,δ69.00000°,λ-121.71000°. Principal axes: T 2.0532,Plg18.0000°,Azm162.0000°; N 0.2096,Plg29.0000°,Azm61.0000° ; P -2.2628,Plg55.0000°,Azm279.0000° $M_0$2.17000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.38 $M_{\theta\theta}$1.02 $M_{\phi\phi}$0.36 $M_{r\theta}$-1.27 $M_{\theta\phi}$0.83 $M_{\phi r}$-1.23 NP1: ϕ_s47.98945°,δ70.17103°,λ-96.07697°. NP2:ϕ_s245.41398°,δ20.70339°,λ-73.63862°. Principal axes: T 2.3969,Plg24.9346°,Azm142.7247°; N -0.1745,Plg5.7154°,Azm50.0577° ; P -2.2225,Plg64.3300°,Azm308.0384° $M_0$2.31466×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202107170323A. Moment Tensor Solution. s131,c219;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.78±.04 $M_{\theta\theta}$1.57±.07; $M_{\phi\phi}$0.21±.07; $M_{r\theta}$-1.58±.07; $M_{\theta\phi}$0.80±.06; $M_{\phi r}$-1.57±.07; Best double couple: NP1:ϕ_s261.00000°,δ22.00000°,λ-61.00000°. NP2:ϕ_s50.00000° ,δ71.00000°,λ-101.00000°. Principal axes: T 2.9130,Plg25.0000°,Azm149.0000° ; N -0.0140,Plg11.0000°,Azm54.0000°; P -2.8970,Plg63.0000°,Azm302.0000° $M_0$2.90500×10^{17}
ISC VII 17 03 26 48.4–2.5 19.8S–.50 178.6W–.40 600 4.3b 7 4-147
IDC VII 17 03 26 50.6–9.0 19.51S 178.90W 597–42 4.5,3.6b ¶620928747
ISC Event type se.
IDC Error ellipse: s-maj=260.9km s-min=32.5km az=145.0.
ISC VII 17 09 14 30.6–.48 21.76S–.09 179.39W–.08 592 4.3b 61 5-151
NEIC VII 17 09 14 31.8–1.6 21.9S–.20 179.4W–.10 600–8 4.3b ¶620928761
IDC VII 17 09 14 31.4–1.2 21.78S 179.48W 599–13 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=16.9km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.5km s-min=14.9km az=114.0.
ISC VII 17 14 54 35.4–1.0 17.8S–.30 177.9W–.20 590 4.0b 8 4-72
IDC VII 17 14 54 35.3–1.5 18.03S 177.83W 575–21 4.3,3.4b ¶620928771
ISC Event type se.

IDC Error ellipse: s-maj=52.9km s-min=25.2km az=172.0.
ISC VII 18 10 59 46.0–1.3 17.3S–.30 179.0W–.20 550 3.2b 7 3-86
IDC VII 18 10 59 47.2–1.9 17.21S 179.06W 567–18 3.8,2.9b **¶620928811**
ISC Event type se.
IDC Error ellipse: s-maj=50.1km s-min=26.4km az=166.0.
ISC VII 18 15 25 40.4–.50 18.08S–.10 178.21W–.08 550 4.0b 73 4-148
IDC VII 18 15 25 39.7–1.0 18.07S 178.19W 535–9 4.1,3.2b **¶620928825**
NEIC VII 18 15 25 40.5–.90 18.2S–.10 178.1W–.10 546–5 4.1b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 16 53 38.4–.80 15.4S–.10 177.1W–.10 35 4.7b 22 17-75
IDC VII 18 16 53 33.7–4.3 15.50S 177.03W 0 4.2b,4.2 **¶620928836**
NEIC VII 18 16 53 36.0–1.9 15.5S–.10 177.01W–.05 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 04 51 54.9–.89 18.0S–.20 178.3W–.20 600 3.5b 9 3-87
IDC VII 19 04 51 56.6–1.8 17.90S 178.53W 623–21 4.0,3.0b **¶620928856**
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=16.9km az=148.0.
ISC VII 19 12 26 21.6–.99 20.5S–.10 178.6W–.10 587 4.2b 27 4-59
NEIC VII 19 12 26 20.6–1.0 20.7S–.20 178.6W–.20 549–16 4.3b **¶622450711**
IDC VII 19 12 26 37.4–7.3 20.61S 178.80E 532–74 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=13.9km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=190.3km s-min=100.5km az=90.0.
ISC VII 19 18 21 23.3–.50 17.7S–.10 178.64W–.09 550 4.1b 74 3-147
NEIC VII 19 18 21 23.9–1.4 17.7S–.20 178.5W–.10 564–9 4.2b **¶620928885**
IDC VII 19 18 21 24.9–1.3 17.67S 178.75W 564–14 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=18.1km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=12.7km az=143.0.
ISC VII 19 19 35 17.9–.81 18.0S–.20 178.6W–.10 579 4.2b 34 3-148
IDC VII 19 19 35 18.9–1.8 17.93S 178.65W 590–19 4.4,3.4b **¶620928890**
NEIC VII 19 19 35 19.5–1.4 18.1S–.20 178.7W–.10 586–9 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 22 43 11.4–.57 20.3S–.10 178.1W–.10 534 4.1b 63 4-153
NEIC VII 19 22 43 12.0–2.4 20.3S–.10 178.2W–.20 535–7 4.2b **¶620928904**
IDC VII 19 22 43 13.6–2.1 20.32S 178.30W 550–20 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=17.3km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=20.7km az=129.0.
ISC VII 19 23 43 19.8–.53 17.7S–.10 178.0W–.10 550 4.2b 41 4-150
NEIC VII 19 23 43 18.8–1.2 17.8S–.10 177.9W–.10 530–7 4.2b **¶620928907**
IDC VII 19 23 43 20.6–1.9 17.68S 178.20W 551–19 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=13.7km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.5km s-min=17.7km az=139.0.
ISC VII 20 09 06 49.8–.63 17.9S–.20 177.9W–.10 590 3.8b 23 4-148
IDC VII 20 09 06 49.7–1.3 17.88S 178.03W 583–14 4.3,3.4b **¶620961587**
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=12.1km az=144.0.
ISC VII 20 12 20 59.2–.54 17.7S–.10 178.60W–.10 547 3.9b 48 3-94
NEIC VII 20 12 21 00.4–.59 17.7S–.20 178.6W–.10 564–8 4.1b **¶620961600**
IDC VII 20 12 21 01.5–.97 17.64S 178.85W 573–9 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=12.8km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=13.9km az=146.0.
ISC VII 21 04 05 51.0–.47 20.43S–.09 178.45W–.09 587 3.8b 68 4-150
NEIC VII 21 04 05 48.9–1.6 20.5S–.10 178.3W–.10 550–7 4.2b **¶620961627**
IDC VII 21 04 05 51.9–1.6 20.51S 178.59W 590–17 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=15.6km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=11.4km az=150.0.
ISC VII 14 02 27 50.6–1.5 19.7S–.20 178.2W–.20 600 3.6b 6 4-88
IDC VII 14 02 27 50.9–2.2 19.71S 178.21W 603–25 4.1,3.1b **¶620928572**
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=27.8km az=16.0.
ISC VII 20 21 30 39.1–.64 19.7S–.10 177.6W–.10 550 4.2b 56 5-152
NEIC VII 20 21 30 41.0–1.5 19.6S–.10 177.6W–.20 566–8 4.3b **¶620961613**
IDC VII 20 21 30 41.4–1.5 19.57S 177.68W 574–12 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=16.5km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=17.2km az=129.0.
ISC VII 21 06 14 23.1–.68 17.9S–.10 177.8W–.10 600 4.2b 37 4-85
NEIC VII 21 06 14 23.0–1.1 17.9S–.10 177.6W–.10 608–11 4.3b **¶620961632**
IDC VII 21 06 14 24.3–1.1 18.04S 177.90W 601–13 4.2,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=17.8km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=17.8km az=170.0.
ISC VII 21 09 24 26.2–.46 20.16S–.08 177.58W–.08 550 4.3b 105 5-150
IDC VII 21 09 24 25.4–1.6 20.21S 177.64W 536–16 4.2,3.3b **¶620840361**
GFZ VII 21 09 24 25.4–.42 20S–6.0 178W–6.0 541–6 4.4b,4.4
NEIC VII 21 09 24 26.2–1.0 20.2S–.10 177.59W–.07 539–7 4.3b,4.4
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 21 09 34 50.0–1.7 19.3S–.50 176.9W–.40 350 3.3b 7 7-87
IDC VII 21 09 34 51.1–3.4 19.48S 176.75W 366–33 3.8,2.9b **¶620961648**
ISC Event type se.
IDC Error ellipse: s-maj=104.4km s-min=20.2km az=149.0.
ISC VII 21 15 20 20.6–.36 18.01S–.07 177.93W–.06 590 4.4b 196 4-158
NEIC VII 21 15 20 19.3–1.7 18.1S–.10 177.9W–.10 564–6 4.3b **¶620844212**
GFZ VII 21 15 20 19.7–.32 18S–5.0 178W–5.0 580–4 4.5b,4.5
IDC VII 21 15 20 20.9–1.0 18.00S 178.08W 581–10 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=15.8km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.5km s-min=8.6km az=47.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.8km s-min=11.9km az=139.0.
ISC VII 21 15 39 00.3–.57 19.84S–.10 177.74W–.09 550 3.9b 39 4-150
NEIC VII 21 15 39 01.4–.93 19.8S–.10 177.8W–.10 564–14 4.0b **¶620961666**
IDC VII 21 15 39 04.1–1.5 19.64S 178.06W 585–14 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=6.8km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.7km s-min=18.7km az=129.0.
ISC VII 23 04 58 36.7–.46 21.90S–.09 178.96W–.07 576 4.2b 74 5-151
GFZ VII 23 04 58 35.9–.43 22S–5.0 179W–6.0 579–7 4.5b,4.5 **¶620845255**
NEIC VII 23 04 58 35.9–1.6 21.9S–.10 178.8W–.10 560–9 4.1b,4.5
IDC VII 23 04 58 39.2–1.5 21.94S 179.19W 590–17 4.3,3.4b
ISC Event type se.
GFZ Error ellipse: s-maj=12.4km s-min=10.1km az=71.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=16.5km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=14.4km az=161.0.
ISC VII 22 22 05 15.6–1.5 18.8S–.50 178.0W–.30 600 3.7b 7 4-149
IDC VII 22 22 05 16.1–3.0 18.68S 178.05W 604–25 4.1,3.0b **¶620967854**
ISC Event type se.
IDC Error ellipse: s-maj=104.0km s-min=25.2km az=152.0.
ISC VII 23 05 35 41.1–.91 21.4S–.10 179.8W–.10 600 4.1b 24 4-146
IDC VII 23 05 35 42.3–3.8 21.23S 179.77W 630–30 4.2,3.1b **¶620967888**
NEIC VII 23 05 35 43.4–.89 21.40S–.06 180.0W–.20 609–15 4.2b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 23 02 23 29.3–1.3 17.2S–.40 178.7W–.30 650 3.6b 12 3-144
IDC VII 23 02 23 28.7–1.9 17.16S 178.68W 640–19 4.0,3.0b **¶620967883**
ISC Event type se.
IDC Error ellipse: s-maj=79.7km s-min=17.8km az=151.0.
IDC VII 23 09 36 28.1–2.6 20.35S 178.31W 603–28 3.9,3.0b ¶620967904
IDC Error ellipse: s-maj=56.5km s-min=37.4km az=15.0.
ISC VII 24 00 54 04.8–.67 17.6S–.10 178.3W–.10 547 4.3b 26 3-87
NEIC VII 24 00 54 05.3–2.3 17.6S–.10 178.35W–.09 552–11 4.5b **¶620970188**
IDC VII 24 00 54 06.5–2.2 17.16S 178.66W 564–20 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=12.4km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=116.3km s-min=21.6km az=154.0.
IDC VII 23 18 39 03.5–30 21.84S 179.04W 0 4.2b,4.2 ¶620967935
IDC Error ellipse: s-maj=565.7km s-min=146.2km az=90.0.
ISC VII 24 03 10 12.0–.30 18.18S–.06 178.13W–.05 559 4.7b 605 4-161
BGR VII 24 03 09 12.2 18.21S 175.71W 33 4.7b **¶621112265**
BJI VII 24 03 10 12.0 18.20S 178.10W 576 5.0b,4.9b
NOU VII 24 03 10 12.1 17.98S 178.17W 582 5.1b,4.9b
NEIC VII 24 03 10 13.0–1.9 18.1S–.10 178.22W–.10 559–6 4.6b,4.9b
GFZ VII 24 03 10 13.1–.32 18S–4.0 178W–4.0 572–4 5.0b,5.0
IDC VII 24 03 10 14.3–.67 18.14S 178.27W 580–6 5.1,4.2b
ISC Event type ke.
BGR Event type ke.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.3km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=11.1km s-min=7.5km az=159.0.
IDC VII 23 22 57 47.7–67 16.22S 179.09W 451–37 3.8,3.0b ¶620967947
IDC Error ellipse: s-maj=1209.0km s-min=145.3km az=77.0.
ISC VII 24 11 44 18.9–.88 20.9S–.20 178.4W–.20 500 3.7b 15 5-151
IDC VII 24 11 44 17.0–2.3 21.01S 178.19W 480–22 4.1,3.3b **¶620970212**
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=18.6km az=118.0.
ISC VII 24 14 32 59.6–.78 17.6S–.20 178.5W–.10 547 3.9b 17 3-147
IDC VII 24 14 32 59.6–1.4 17.58S 178.70W 532–15 4.3,3.4b **¶620970224**
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=15.6km az=134.0.
ISC VII 24 08 18 31.4–1.2 19.1S–.20 178.0W–.20 600 3.1b 7 4-86
IDC VII 24 08 18 30.1–2.2 19.24S 177.83W 578–25 3.6,2.7b **¶620970204**
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=27.3km az=12.0.
ISC VII 24 08 43 21.4–1.4 17.3S–.60 179.0W–.40 600 3.5b 10 3-87
IDC VII 24 08 43 20.8–2.0 17.40S 178.93W 592–18 4.1,3.2b **¶620970205**
ISC Event type se.
IDC Error ellipse: s-maj=81.0km s-min=18.4km az=149.0.
IDC VII 24 21 07 09.5–12 19.78S 176.63W 0 3.7b,3.7 ¶620970255
IDC Error ellipse: s-maj=332.8km s-min=37.3km az=34.0.
IDC VII 24 22 58 26.0–1.2 14.95S 177.79W 0 3.7b,3.7 ¶620970259
IDC Error ellipse: s-maj=52.9km s-min=28.8km az=140.0.
ISC VII 24 10 16 19.3–.92 17.2S–.20 177.4W–.20 403 3.9b 21 4-147
IDC VII 24 10 16 18.9–2.5 17.20S 177.46W 400–23 4.1,3.3b **¶620970208**
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=15.9km az=141.0.
ISC VII 25 05 29 42.6–.88 14.8S–.30 178.1W–.20 379 3.6b 9 5-85
IDC VII 25 05 29 42.4–2.4 14.78S 178.12W 377–25 4.1,3.3b **¶620973748**
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=17.6km az=145.0.
ISC VII 25 13 53 41.9–.47 18.0S–.10 178.35W–.07 550 4.3b 79 3-158
IDC VII 25 13 53 41.0–1.0 18.13S 178.27W 533–11 4.4,3.4b **¶620973768**
NEIC VII 25 13 53 41.4–.68 18.0S–.10 178.3W–.10 539–8 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 26 12 49 09.8–.89 18.7S–.20 177.2W–.10 400 3.9b 22 5-146
NEIC VII 26 12 49 08.8–.65 18.9S–.20 177.1W–.10 381–11 4.2b **¶620973844**
IDC VII 26 12 49 12.9–5.0 18.92S 177.68W 389–39 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=11.2km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=117.8km s-min=23.7km az=149.0.
IDC VII 25 04 03 41.4–6.2 17.63S 178.66W 631–21 3.9,2.9b ¶620973745
IDC Error ellipse: s-maj=244.0km s-min=35.3km az=143.0.
ISC VII 25 05 05 53.0–.48 17.7S–.10 178.68W–.09 547 4.0b 141 3-150
BGR VII 25 05 04 56.6 17.20S 178.60W 33 4.0b **¶620845825**
IDC VII 25 05 05 54.9–.88 17.73S 178.78W 569–8 4.4,3.5b
NEIC VII 25 05 05 54.7–.70 17.62S–.05 178.7W–.20 563–12 4.1b,3.5b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 26 14 37 11.8–.42 21.75S–.07 179.15W–.08 576 4.4b 125 5-152
NEIC VII 26 14 37 11.4–1.1 21.8S–.10 178.99W–.09 571–7 4.5b **¶621112302**
IDC VII 26 14 37 12.5–1.1 21.75S 179.20W 580–11 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.7km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.3km s-min=12.0km az=128.0.
ISC VII 27 07 11 43.5–.44 18.11S–.09 178.17W–.10 650 4.2b 110 4-151
NEIC VII 27 07 11 42.4–1.5 18.2S–.10 178.1W–.10 621–7 4.2b **¶620978948**
IDC VII 27 07 11 42.2–1.3 17.94S 178.31W 621–14 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=16.2km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.9km s-min=13.4km az=146.0.
ISC VII 26 16 19 42.6–1.7 17.3S–.90 178.4W–.40 600 3.7b 6 3-86

IDC VII 26 16 19 41.7–2.6 17.71S 178.24W 589–23 4.1,3.0b ¶620973857
ISC Event type se.
IDC Error ellipse: s-maj=122.0km s-min=27.9km az=155.0.
ISC VII 26 16 40 24.2–.85 17.0S–.20 179.4W–.20 550 4.0b 26 3-88
NEIC VII 26 16 40 22.7–.63 17.1S–.20 179.3W–.10 531–8 4.2b ¶620973861
IDC VII 26 16 40 24.4–1.8 16.94S 179.41W 551–19 3.8,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=15.1km az=152.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.1km s-min=21.9km az=149.0.
ISC VII 27 09 51 14.8–.64 19.2S–.10 177.48W–.10 500 3.9b 33 4-149
IDC VII 27 09 51 14.9–1.7 19.21S 177.59W 497–15 4.0,3.0b ¶620978957
NEIC VII 27 09 51 15.3–.62 19.2S–.10 177.5W–.20 497–7 4.2b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 27 03 36 39.0–1.0 16.6S–.10 179.0W–.20 600 4.2b 26 3-146
NEIC VII 27 03 36 33.7–1.2 16.2S–.20 178.3W–.20 583–14 4.5b ¶620978942
IDC VII 27 03 36 40.7–4.4 16.67S 179.21W 587–26 3.9,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=8.9km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=249.1km s-min=28.0km az=144.0.
ISC VII 27 19 03 08.3–.79 18.84S–.06 177.71W–.07 598–8 4.3b 294 4-166
BGR VII 27 19 02 00.2 20.69S 174.52W 33 4.3b ¶620857070
GFZ VII 27 19 03 06.9–.39 19S–4.0 178W–4.0 590–6 4.5b,4.5
NEIC VII 27 19 03 08.3–1.6 18.9S–.10 177.7W–.10 593–6 4.2b,4.5
IDC VII 27 19 03 09.7–1.0 18.83S 177.85W 604–10 4.3,3.4b
ISC Event type ke.
BGR Event type ke.
GFZ Error ellipse: s-maj=10.0km s-min=8.3km az=128.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=14.3km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.1km s-min=10.9km az=140.0.
ISC VII 27 19 31 04.2–1.3 18.0S–.20 177.9W–.20 590 3.6b 9 4-148
IDC VII 27 19 31 06.1–2.2 18.01S 178.12W 606–21 4.1,3.1b ¶620978978
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=24.3km az=128.0.
IDC VII 27 21 27 51.8–13 17.28S 178.79W 594–31 4.2,3.3b
¶620978984
IDC Error ellipse: s-maj=258.9km s-min=104.1km az=83.0.
ISC VII 29 11 07 22.8–.32 20.36S–.05 177.44W–.06 500 4.4b 376 5-173
NEIC VII 29 11 07 21.3–2.4 20.4S–.10 177.4W–.10 478–6 4.4b ¶620859566
GFZ VII 29 11 07 23.8–.42 20S–4.0 178W–4.0 492–4 4.8,4.6b
IDC VII 29 11 07 25.9–1.3 20.35S 177.74W 521–13 4.8,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=14.3km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=11.5km s-min=8.9km az=144.0.
ISC VII 27 17 34 44.1–.58 18.1S–.10 178.4W–.10 600 3.9b 53 3-151
NEIC VII 27 17 34 41.8–1.2 18.1S–.10 178.11W–.10 576–6 4.0b ¶620978972
IDC VII 27 17 34 43.6–1.3 18.13S 178.30W 585–11 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=10.8km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.2km s-min=16.8km az=133.0.
IDC VII 28 14 03 37.1–5.9 19.22S 178.22W 577–50 3.8,2.9b
¶620979620
IDC Error ellipse: s-maj=240.0km s-min=27.8km az=157.0.
ISC VII 29 17 30 14.5–1.8 17.3S–.70 178.9W–.40 650 3.2b 8 3-147
IDC VII 29 17 30 13.8–2.4 17.30S 178.82W 636–21 3.6,2.7b ¶620984129
ISC Event type se.
IDC Error ellipse: s-maj=95.3km s-min=23.1km az=150.0.
ISC VII 29 21 27 13.3–.40 21.57S–.07 179.33W–.08 604 4.4b 150 5-172
GFZ VII 29 21 27 13.5–.62 22S–6.0 179W–12 613–10 4.5b,4.5 ¶620882993
NEIC VII 29 21 27 13.6–1.8 21.5S–.10 179.3W–.10 607–6 4.4b,4.5
IDC VII 29 21 27 14.5–1.0 21.57S 179.44W 610–11 4.4,3.5b
ISC Event type se.
GFZ Error ellipse: s-maj=26.6km s-min=11.4km az=82.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=16.1km az=125.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=11.0km az=124.0.
ISC VII 30 02 40 21.6–.32 20.33S–.05 176.12W–.05 250 4.7b 373 6-164
NOU VII 30 02 40 21.3 20.68S 175.84W 274 5.0b ¶620883012
NEIC VII 30 02 40 22.7–2.0 20.3S–.10 176.1W–.10 256–5 4.6b
IDC VII 30 02 40 24.8–1.7 20.29S 176.27W 275–15 4.7,4.1b
GFZ VII 30 02 40 25.2–.87 20S–6.0 176W–9.0 280–6 4.8b,4.8
BGR VII 30 02 40 26.4 20.28S 175.49W 280 4.8b,4.8
ISC Event type ke.
NOU Tonga Islands.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=13.6km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.2km s-min=10.0km az=140.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
BGR Event type ke.
IDC VII 31 11 40 59.4–11 18.54S 177.74W 598–45 3.5,2.5b
¶620986123
IDC Error ellipse: s-maj=334.9km s-min=35.0km az=141.0.
ISC VII 30 04 39 57.6–1.8 17.9S–.60 178.1W–.40 550 3.2b 11 4-148
IDC VII 30 04 40 00.2–3.0 18.45S 178.00W 587–22 3.7,2.7b ¶620986038
ISC Event type se.
IDC Error ellipse: s-maj=110.6km s-min=20.5km az=152.0.
ISC VII 31 18 28 28.0–.91 17.9S–.20 178.0W–.20 590 3.8b 13 4-148
IDC VII 31 18 28 30.8–1.9 17.99S 178.07W 621–20 4.1,3.1b ¶620986141
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=17.5km az=109.0.
ISC VII 31 09 48 37.7–.64 17.6S–.20 178.47W–.10 547 4.0b 33 3-86
NEIC VII 31 09 48 37.7–.23 17.5S–.20 178.27W–.06 562–16 4.1b ¶620986117
IDC VII 31 09 48 39.9–1.9 17.72S 178.69W 557–20 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=7.8km az=182.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.4km s-min=24.7km az=165.0.
IDC VII 31 07 03 09.1–2.9 21.34S 180.00W 0 3.9b,3.9
¶620986112
IDC Error ellipse: s-maj=288.2km s-min=35.1km az=162.0.
ISC VIII 01 22 12 45.8–.69 20.1S–.20 179.1W–.10 665 3.9b 60 4-150
NEIC VIII 01 22 12 46.3–.83 20.1S–.20 179.05W–.06 669–12 4.0b ¶620986240
IDC VIII 01 22 12 46.8–1.8 20.02S 179.27W 674–21 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=5.3km az=164.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.6km s-min=16.6km az=149.0.
ISC VII 31 23 26 02.4–.38 18.24S–.08 178.07W–.06 590 4.3b 315 4-158
NEIC VII 31 23 26 01.6–1.5 18.3S–.10 178.1W–.10 577–7 4.4b ¶620925392
GFZ VII 31 23 26 01.6–.35 18S–5.0 178W–5.0 585–4 4.4b,4.4
BGR VII 31 23 26 02.6 18.12S 178.12W 580 4.4b,4.4
IDC VII 31 23 26 03.1–.90 18.29S 178.14W 588–8 4.4,3.5b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.5km az=211.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.7km s-min=9.1km az=146.9.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=9.7km az=152.0.
IDC VII 31 19 30 44.9–15 19.28S 178.32W 0 3.5b,3.5
¶620986145
IDC Error ellipse: s-maj=465.0km s-min=70.4km az=132.0.
ISC VIII 01 12 39 06.3–.45 18.16S–.10 178.04W–.08 590 4.1b 197 4-158
NEIC VIII 01 12 39 05.9–1.5 18.1S–.10 178.2W–.10 574–9 4.3b ¶620925718
IDC VIII 01 12 39 07.2–1.6 18.14S 178.23W 583–17 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=15.1km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.7km s-min=12.2km az=147.0.
IDC VIII 02 07 28 40.5–2.2 17.33S 179.01W 551–21 3.5,2.7b
¶620993219
IDC Error ellipse: s-maj=38.3km s-min=35.3km az=176.0.
ISC VIII 02 20 53 28.5–.90 17.3S–.20 177.5W–.20 650 4.0b 23 4-147
NEIC VIII 02 20 53 29.2–1.1 17.6S–.20 177.4W–.10 647–10 4.3b ¶620993262
IDC VIII 02 20 53 31.5–5.6 17.82S 177.78W 644–31 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.7km s-min=8.7km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=160.0km s-min=39.6km az=27.0.
IDC VIII 02 03 06 43.7–8.2 20.02S 178.87W 625–57 3.5,2.6b
¶620993200
IDC Error ellipse: s-maj=259.4km s-min=45.7km az=150.0.
ISC VIII 02 14 11 21.8–.78 20.75S–.09 176.4W–.10 300 3.4b 34 8-145
IDC VIII 02 14 11 00.5–7.5 17.92S 178.38W 0 3.7b,3.7 ¶620993244
WEL VIII 02 14 11 20.7–.84 21S–10 177W–18 300 4.4b,3.6
ISC Event type se.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VIII 03 07 19 00.1–1.2 21.2S–.20 177.2W–.20 650 4.0b 25 6-89
IDC VIII 03 07 19 01.5–3.9 20.97S 177.19W 686–38 4.3,3.2b ¶622451202
NEIC VIII 03 07 19 12.6–2.3 21.5S–.20 179.3W–.20 603–19 4.1b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 03 07 42 19.0–.42 19.99S–.08 177.67W–.08 550 4.2b 99 5-173
NEIC VIII 03 07 42 18.6–2.1 20.1S–.10 177.63W–.08 534–7 4.2b ¶620995857
IDC VIII 03 07 42 20.3–2.0 20.02S 177.82W 556–22 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=4.7km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.6km s-min=14.2km az=129.0.
ISC VIII 04 09 38 23.3–.81 20.3S–.20 178.3W–.10 550 3.4b 14 4-147
IDC VIII 04 09 38 23.5–2.1 20.38S 178.34W 551–22 4.0,3.1b ¶620997300
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=17.9km az=138.0.
ISC VIII 04 02 13 04.1–.94 15.0S–.30 176.9W–.30 35 3.9b,3.7s 7 5-144
IDC VIII 04 02 12 58.6–.98 15.04S 176.85W 0 3.8b,3.8 ¶620997276
ISC Event type se.
IDC Error ellipse: s-maj=53.5km s-min=27.3km az=135.0.
ISC VIII 04 17 46 49.8–1.0 17.4S–.30 176.7W–.20 24 3.9b 8 5-148
IDC VIII 04 17 46 45.7–1.1 17.36S 176.70W 0 3.8b,3.8 ¶620997318
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=26.3km az=146.0.
ISC VIII 04 06 01 58.4–.29 20.37S–.04 178.21W–.04 545–3 4.9b 875 4-173
NOU VIII 04 06 01 57.3 20.59S 178.12W 544 4.9b ¶620966427
NEIC VIII 04 06 01 57.8–2.2 20.42S–.09 178.22W–.09 530–5 4.8b
BJI VIII 04 06 01 57.0 20.50S 178.20W 544 5.1b,4.8b
GFZ VIII 04 06 01 58.6–.40 20S–5.0 178W–6.0 554–6 5.1b,5.0
IDC VIII 04 06 01 59.7–.40 20.40S 178.35W 552–4 5.0,4.1b
BGR VIII 04 06 02 00.5 20.43S 177.62W 568–7 5.0,4.1b
ISC Event type ke.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=12.1km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=9.7km s-min=8.2km az=156.0.
BGR Event type ke.
ISC VIII 05 16 30 53.7–.64 18.2S–.10 177.8W–.10 600 4.1b 30 4-86
NEIC VIII 05 16 30 54.3–1.2 18.3S–.20 177.7W–.20 609–13 4.3b ¶620998821
IDC VIII 05 16 30 55.9–1.5 18.10S 177.81W 636–20 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=21.7km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=18.6km az=169.0.
ISC VIII 04 23 31 10.1–.76 17.8S–.10 178.0W–.10 630 4.2b 32 4-148
NEIC VIII 04 23 31 10.0–.93 17.9S–.10 177.87W–.07 630–11 4.2b ¶620997337
IDC VIII 04 23 31 10.7–2.0 18.01S 177.98W 631–21 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=8.9km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.4km s-min=22.8km az=115.0.
ISC VIII 05 01 06 27.3–.64 18.2S–.10 178.4W–.10 550 4.0b 32 3-148
NEIC VIII 05 01 06 26.3–1.1 18.2S–.10 178.2W–.10 543–7 4.2b ¶620998776
IDC VIII 05 01 06 27.5–1.6 18.18S 178.36W 548–14 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=17.7km az=159.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.8km s-min=20.7km az=141.0.
ISC VIII 04 16 39 29.7–4.6 15.1S–.60 179.0W–.30 400 3.9b 6 4-75
IDC VIII 04 16 39 33.2–8.9 15.53S 179.16W 409–29 4.2,3.4b ¶620997314
ISC Event type se.
IDC Error ellipse: s-maj=167.6km s-min=26.3km az=28.0.
ISC VIII 06 08 46 08.8–.62 20.7S–.10 178.17W–.10 534 4.0b 39 5-150
IDC VIII 06 08 46 09.2–1.5 20.75S 178.18W 542–16 4.3,3.4b ¶620998874
NEIC VIII 06 08 46 10.3–1.3 20.7S–.10 178.2W–.20 550–13 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 06 15 08 02.8–.55 17.9S–.10 178.45W–.10 579 4.2b 34 3-148
IDC VIII 06 15 08 04.0–1.3 17.85S 178.55W 591–15 4.5,3.5b ¶620998906
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=13.3km az=152.0.
ISC VIII 06 06 04 02.6–.39 21.58S–.06 178.63W–.07 536 4.2b 213 5-151
NEIC VIII 06 06 04 02.6–2.1 21.5S–.10 178.5W–.10 534–9 4.2b ¶620970718
GFZ VIII 06 06 04 02.3–.38 22S–4.0 179W–6.0 537–5 4.3b,4.3
IDC VIII 06 06 04 05.0–1.7 21.42S 178.83W 548–15 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=16.1km az=130.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ Error ellipse: s-maj=12.5km s-min=7.5km az=92.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=28.5km s-min=12.7km az=143.0.
ISC VIII 07 09 49 44.2–1.0 18.2S–.20 178.0W–.20 650 3.5b 9 4-148
IDC VIII 07 09 49 43.3–1.9 18.25S 177.88W 639–22 3.9,2.9b **¶621000717**
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=19.8km az=116.0.
IDC VIII 07 21 49 10.3–2.5 21.51S 176.36W 0 3.8b,3.8
¶621000742
IDC Error ellipse: s-maj=68.0km s-min=40.3km az=25.0.
ISC VIII 08 10 29 26.3–2.1 17.4S–.70 179.2W–.50 539 3.2b 8 3-147
IDC VIII 08 10 29 25.8–2.4 17.43S 179.11W 532–19 3.7,2.9b **¶621002126**
ISC Event type se.
IDC Error ellipse: s-maj=107.4km s-min=19.4km az=147.0.
ISC VIII 07 14 49 11.9–1.5 17.9S–.40 178.0W–.20 590 3.5b 10 45-148
IDC VIII 07 14 49 12.1–7.4 17.84S 177.96W 589–87 3.9,3.0b **¶621000728**
ISC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=31.8km az=155.0.
ISC VIII 09 16 31 24.0–.68 18.0S–.10 177.9W–.10 600 4.2b 63 4-148
NEIC VIII 09 16 31 24.5–1.0 18.1S–.10 177.8W–.10 606–5 4.2b **¶621007273**
IDC VIII 09 16 31 24.9–2.0 18.01S 177.96W 607–20 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=15.6km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.5km s-min=17.2km az=104.0.
ISC VIII 08 21 38 32.1–1.2 17.6S–.20 178.0W–.20 600 4.3b 22 4-83
NEIC VIII 08 21 38 31.8–.97 17.6S–.10 177.9W–.20 597–8 4.5b **¶621002147**
IDC VIII 08 21 38 33.0–5.1 17.84S 178.09W 594–28 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=15.1km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=140.3km s-min=39.2km az=27.0.
ISC VIII 09 03 58 52.5–.49 21.61S–.08 176.50W–.08 250 4.2b 103 6-152
IDC VIII 09 03 58 51.7–3.9 21.62S 176.51W 240–32 4.2,3.5b **¶620976527**
NEIC VIII 09 03 58 52.0–1.8 21.6S–.10 176.5W–.10 238–7 4.3b,3.5b
GFZ VIII 09 03 58 51.7–.77 21S–6.0 176W–6.0 249–9 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VIII 08 17 44 20.5–56 18.48S 176.40W 541–64 3.8,2.8b
¶621002138
IDC Error ellipse: s-maj=937.9km s-min=140.9km az=82.0.
ISC VIII 10 05 30 07.0–1.6 21.3S–.30 177.7W–.20 400 3.3b 6 5-87
IDC VIII 10 05 30 09.2–6.4 20.99S 177.80W 420–60 3.9,3.0b **¶621008093**
ISC Event type se.
IDC Error ellipse: s-maj=125.0km s-min=29.3km az=151.0.
ISC VIII 09 21 20 38.4–.59 20.7S–.10 178.6W–.10 600 4.1b 51 4-153
NEIC VIII 09 21 20 39.0–2.3 20.8S–.10 178.5W–.20 602–7 4.2b **¶621007288**
IDC VIII 09 21 20 39.6–2.1 20.73S 178.62W 612–22 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=17.8km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.7km s-min=19.2km az=147.0.
IDC VIII 12 17 11 35.0–5.4 17.93S 177.82W 571–27 4.0,3.0b
¶621009435
IDC Error ellipse: s-maj=132.4km s-min=81.3km az=150.0.
IDC VIII 10 09 00 42.7–4.7 20.12S 179.07W 609–33 3.9,3.0b
¶621008105
IDC Error ellipse: s-maj=126.9km s-min=41.6km az=145.0.
ISC VIII 12 03 47 00.6–.24 18.35S–.04 177.79W–.03 533–2 5.1b 1266 4-175
BJI VIII 12 03 46 58.9 18.20S 177.59W 524 5.4b,5.3b **¶621237431**
NOU VIII 12 03 46 59.9 18.38S 177.78W 532 5.2b,5.3b
NEIC VIII 12 03 47 00.2 18.35S 177.91W 522 5.2b,5.3b
NEIC VIII 12 03 47 00.2–1.4 18.36S–.09 177.89W–.10 523–5 5.7,5.5
IDC VIII 12 03 47 01.9–.43 18.30S 177.89W 535–4 5.4,4.6b
GFZ VIII 12 03 47 01.7 18.31S 177.96W 521 5.6W,4.6b
MOS VIII 12 03 47 01.2–.96 18.29S 178.00W 537 5.5b,4.6b
GFZ VIII 12 03 47 01.7–.35 18S–3.0 178W–2.0 532–4 5.2b,5.2
GCMT VIII 12 03 47 04.2–.20 18.34S–.02 177.97W–.02 539–1 5.7W,5.2
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.37 $M_{\theta\theta}$1.84 $M_{\phi\phi}$1.53 $M_{r\theta}$-1.04 $M_{\theta\phi}$1.97 $M_{\phi r}$-2.20 NP1:ϕ_s240.39000°,δ29.96000°,λ-67.40000°. NP2:ϕ_s34.72000°,δ62.55000° ,λ-102.49000°. Principal axes: T 4.3307,Plg17.0000°,Azm134.0000°; N -0.1098,Plg11.0000° ,Azm41.0000°; P -4.2209,Plg70.0000°,Azm278.0000° $M_0$4.28000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.06 $M_{\theta\theta}$0.72 $M_{\phi\phi}$1.34 $M_{r\theta}$-1.23 $M_{\theta\phi}$0.55 $M_{\phi r}$-1.52 NP1: ϕ_s207.42024°,δ22.00007°,λ-98.11958°. NP2:ϕ_s36.16797°,δ68.23180°,λ-86.73398°. Principal axes: T 2.4938,Plg23.1653°,Azm123.6566°; N 0.4113,Plg3.0329°,Azm214.9556° ; P -2.9052,Plg66.6138°,Azm311.9931° $M_0$2.72292×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202108120347A. Moment Tensor Solution. s121,c203;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.92±.07 $M_{\theta\theta}$0.69±.12; $M_{\phi\phi}$2.23±.11; $M_{r\theta}$-1.60±.13; $M_{\theta\phi}$1.11±.11; $M_{\phi r}$-1.74±.12; Best double couple: NP1:ϕ_s199.00000°,δ26.00000°,λ-106.00000°. NP2:ϕ_s37.00000° ,δ65.00000°,λ-82.00000°. Principal axes: T 3.6200,Plg20.0000°,Azm121.0000° ; N 0.1790,Plg7.0000°,Azm214.0000°; P -3.8040,Plg69.0000°,Azm322.0000° $M_0$3.71200×10^{17}
ISC VIII 14 13 21 25.2–.40 21.45S–.06 177.62W–.06 381 4.3b 177 6-151
GFZ VIII 14 13 21 23.6–.74 21S–4.0 177W–5.0 389–10 4.5b,4.5 **¶620986714**
NEIC VIII 14 13 21 24.1–1.2 21.32S–.09 177.4W–.20 385–12 4.5b,4.5
IDC VIII 14 13 21 27.9–2.3 21.33S 177.88W 391–21 4.4,3.7b
NOU VIII 14 13 21 28.5 20.91S 177.86W 426 4.5b,3.7b
ISC Event type se.
GFZ Error ellipse: s-maj=11.5km s-min=8.7km az=81.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=13.6km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=14.8km az=126.0.
NOU Fiji Islands Region.
ISC VIII 13 09 23 30.4–.96 17.8S–.30 178.5W–.20 650 3.6b 8 3-86
IDC VIII 13 09 23 29.2–1.8 17.89S 178.40W 634–21 4.0,3.0b **¶621012106**
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=20.6km az=154.0.
ISC VIII 14 00 04 39.0–1.7 17.3S–.60 178.9W–.30 650 3.3b 11 3-147
IDC VIII 14 00 04 37.9–2.3 17.61S 178.63W 637–19 3.8,2.8b **¶621013411**
ISC Event type se.
IDC Error ellipse: s-maj=98.7km s-min=21.3km az=151.0.
ISC VIII 14 00 31 02.3–.72 18.5S–.10 178.4W–.10 600 4.0b 19 3-148
IDC VIII 14 00 31 02.9–17 18.03S 178.40W 623–188 4.1,3.1b **¶621013413**
NEIC VIII 14 00 31 02.3–1.0 18.6S–.10 178.4W–.20 602–12 4.4b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 05 51 46.6–1.9 18.5S–.60 178.2W–.30 500 3.1b 6 4-86
IDC VIII 14 05 51 48.7–3.3 18.16S 178.50W 518–25 3.6,2.8b **¶621013449**
ISC Event type se.
IDC Error ellipse: s-maj=112.7km s-min=21.4km az=151.0.
IDC VIII 14 23 34 53.4–7.7 17.34S 176.44W 0 3.9b,3.9
¶621013582
IDC Error ellipse: s-maj=390.5km s-min=55.8km az=146.0.
ISC VIII 15 09 25 53.4–.77 21.3S–.20 178.1W–.20 412 3.3b 15 5-151
IDC VIII 15 09 25 51.9–2.5 21.35S 177.96W 395–24 3.8,3.0b **¶621023579**
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=17.6km az=132.0.
ISC VIII 14 21 39 49.0–1.0 21.2S–.30 178.7W–.20 550 3.5b 20 5-151
IDC VIII 14 21 39 50.9–2.6 20.99S 178.83W 566–21 4.0,3.1b **¶621013567**
ISC Event type se.
IDC Error ellipse: s-maj=56.7km s-min=14.3km az=153.0.
ISC VIII 15 07 19 32.6–1.0 21.6S–.20 179.4W–.20 604 3.2b 9 5-151
IDC VIII 15 07 19 32.2–2.2 21.66S 179.35W 599–24 3.6,2.7b **¶621023564**
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=22.9km az=135.0.
IDC VIII 15 10 44 28.5–40 17.88S 178.16W 550–365 3.9,3.4s
¶621023591
IDC Error ellipse: s-maj=344.8km s-min=107.1km az=118.0.
ISC VIII 15 18 35 52.3–2.4 18.4S–.50 178.5W–.40 550 3.9b 8 3-148
IDC VIII 15 18 35 53.9–3.7 18.31S 178.70W 556–23 4.2,3.3b **¶621023649**
ISC Event type se.
IDC Error ellipse: s-maj=109.9km s-min=31.6km az=142.0.
ISC VIII 15 08 08 52.2–1.3 16.4S–.50 179.5W–.20 450 3.2b 18 8-148
IDC VIII 15 08 08 52.9–2.6 16.71S 179.32W 468–38 3.9,3.1b **¶621023571**
ISC Event type se.
IDC Error ellipse: s-maj=96.4km s-min=16.3km az=155.0.
ISC VIII 16 06 17 07.5–.72 20.2S–.20 177.9W–.10 600 4.2b 32 5-150
NEIC VIII 16 06 17 06.2–2.1 20.2S–.20 177.7W–.20 594–7 4.2b **¶621030137**
IDC VIII 16 06 17 07.5–1.9 20.40S 178.03W 580–18 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=37.5km s-min=18.1km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.6km s-min=16.9km az=152.0.
ISC VIII 16 07 39 08.9–.63 15.9S–.10 176.28W–.09 350 4.0b 26 2-85
NEIC VIII 16 07 39 09.4–1.1 16.02S–.09 176.2W–.10 361–7 4.2b **¶621030143**
IDC VIII 16 07 39 11.2–1.6 16.05S 176.22W 374–18 3.9,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=10.3km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.4km s-min=17.8km az=153.0.
ISC VIII 16 12 52 53.6–.75 17.7S–.30 178.4W–.20 547 3.7b 13 3-147
IDC VIII 16 12 52 54.1–1.3 17.76S 178.49W 550–14 4.3,3.3b **¶621030172**
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=13.6km az=150.0.
ISC VIII 16 17 05 11.5–.64 16.2S–.20 176.3W–.10 382 4.2b 41 5-149
IDC VIII 16 17 05 10.6–1.6 15.99S 176.49W 358–16 4.2,3.5b **¶621030193**
NEIC VIII 16 17 05 11.4–1.1 16.1S–.20 176.4W–.10 375–10 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 20 16 51.4–.91 21.1S–.20 177.6W–.10 500 4.0b 30 5-149
NEIC VIII 16 20 16 52.5–1.4 21.1S–.20 177.58W–.07 518–7 4.2b **¶621030202**
IDC VIII 16 20 16 54.4–4.1 20.62S 177.85W 520–29 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=8.3km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.1km s-min=24.5km az=139.0.
ISC VIII 17 12 29 44.5–.52 20.97S–.06 178.71W–.05 586–5 4.8b 534 4-172
BJI VIII 17 12 29 44.0 20.75S 178.22W 602 4.9b,4.7b **¶621237520**
NOU VIII 17 12 29 44.3 21.04S 178.56W 597 4.9b,4.7b
NEIC VIII 17 12 29 44.2–1.3 21.0S–.10 178.67W–.10 577–6 4.6b,4.7b
IDC VIII 17 12 29 44.1–.63 20.95S 178.72W 577–6 5.0,4.0b
GFZ VIII 17 12 29 45.5–.26 21S–3.0 179W–5.0 595 4.8b,4.5
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC VIII 18 00 33 40.7–17 17.52S 179.44W 656–186 4.6,3.7b
¶621030322
IDC Error ellipse: s-maj=131.6km s-min=118.7km az=115.0.
IDC VIII 18 04 42 27.8–23 16.18S 176.20W 260–219 3.7,3.1b
¶621030340
IDC Error ellipse: s-maj=118.9km s-min=48.4km az=149.0.
ISC VIII 17 23 22 18.4–.49 18.14S–.10 178.43W–.10 579 4.2b 92 3-158
NEIC VIII 17 23 22 15.6–1.2 18.14S–.07 178.2W–.10 549–7 4.3b **¶621030316**
IDC VIII 17 23 22 17.4–1.1 18.10S 178.39W 562–10 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=4.1km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.1km s-min=13.0km az=135.0.
IDC VIII 18 14 34 37.8–4.6 17.90S 178.26W 600–24 3.7,2.8b
¶621030382
IDC Error ellipse: s-maj=154.9km s-min=30.5km az=143.0.
IDC VIII 18 15 07 47.9–55 20.05S 179.63W 0 4.3b,4.3
¶621030384
IDC Error ellipse: s-maj=994.0km s-min=144.8km az=82.0.
IDC VIII 18 17 55 39.0–2.6 20.23S 177.75W 507–26 3.8,2.9b
¶621030394
IDC Error ellipse: s-maj=52.7km s-min=29.3km az=31.0.
ISC VIII 18 22 36 21.1–.95 20.7S–.20 178.4W–.20 550 3.4b 10 4-150
IDC VIII 18 22 36 21.8–2.2 20.72S 178.48W 556–23 3.8,2.9b **¶621030427**
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=21.6km az=130.0.
ISC VIII 19 00 48 15.6–.89 20.4S–.30 178.0W–.20 534 3.4b 11 45-160
IDC VIII 19 00 48 25.5–8.3 20.57S 178.24W 647–98 3.8,2.8b **¶621039143**
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=38.2km az=43.0.
IDC VIII 18 19 07 32.6–6.3 18.56S 177.14W 0 3.6b,3.6
¶621030401
IDC Error ellipse: s-maj=322.7km s-min=52.2km az=148.0.
ISC VIII 20 21 20 51.3–.56 19.2S–.10 177.43W–.09 400 3.7b 50 5-152
NEIC VIII 20 21 20 52.7–.77 19.2S–.10 177.4W–.10 417–11 4.6b **¶621041313**
IDC VIII 20 21 20 53.3–2.6 19.20S 177.51W 422–23 4.1,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=15.2km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.3km s-min=19.7km az=129.0.
ISC VIII 19 10 51 15.7–1.3 17.6S–.40 179.0W–.30 600 3.3b 9 3-88
IDC VIII 19 10 51 14.5–1.9 17.57S 178.91W 582–20 3.8,3.0b **¶621039178**
ISC Event type se.
IDC Error ellipse: s-maj=59.4km s-min=16.9km az=148.0.
ISC VIII 19 11 58 25.8–2.2 21.0S–.20 178.2W–.30 495 4.1b 24 5-69
NEIC VIII 19 11 58 24.6–.58 21.1S–.10 178.1W–.30 470–21 4.1b **¶621039184**
IDC VIII 19 11 58 35.8–2.1 20.14S 179.54W 519–30 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.1km s-min=4.0km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.0km s-min=26.8km az=25.0.
ISC VIII 20 16 53 38.6–.35 20.92S–.06 178.91W–.06 619 4.4b 143 4-172
GFZ VIII 20 16 53 38.3–.34 21S–4.0 179W–5.0 644–7 4.5b,4.5 **¶620998952**
NEIC VIII 20 16 53 38.8–1.5 21.1S–.10 178.9W–.10 617–8 4.4b,4.5
IDC VIII 20 16 53 39.9–1.1 20.96S 179.11W 623–12 4.6,3.6b
ISC Event type se.
GFZ Error ellipse: s-maj=10.7km s-min=8.2km az=80.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. Error ellipse: s-maj=17.6km s-min=15.9km az=50.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.7km s-min=10.9km az=138.0.
ISC VIII 21 15 05 43.5–.87 17.8S–.30 178.2W–.20 650 3.4b 10 4-86
IDC VIII 21 15 05 43.2–1.2 17.86S 178.20W 642–17 3.9,2.9b **¶621043000**
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=18.4km az=160.0.
IDC VIII 21 05 36 33.1–10 19.11S 177.87W 510–53 4.0,3.1b
¶621042973
IDC Error ellipse: s-maj=268.0km s-min=30.7km az=141.0.
IDC VIII 21 09 24 25.8–26 21.35S 179.38W 595–139 3.6,2.5b
¶621042979
IDC Error ellipse: s-maj=590.0km s-min=116.6km az=88.0.
ISC VIII 23 07 48 57.7–.00 20.4S–.20 178.0W–.20 550 4.0b 13 5-147
IDC VIII 23 07 48 58.7–2.3 20.37S 178.08W 559–23 4.2,3.3b **¶621049214**
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=24.2km az=168.0.
ISC VIII 22 02 52 37.7–1.9 17.7S–.70 178.3W–.40 650 3.3b 7 3-147
IDC VIII 22 02 52 36.9–3.0 17.96S 178.14W 645–24 3.7,2.8b **¶621043047**
ISC Event type se.
IDC Error ellipse: s-maj=108.2km s-min=24.0km az=149.0.
ISC VIII 22 03 26 45.7–.73 20.3S–.10 177.8W–.10 550 4.0b 42 5-150
NEIC VIII 22 03 26 45.3–1.4 20.4S–.20 177.7W–.20 540–9 4.0b **¶621043053**
IDC VIII 22 03 26 46.4–2.3 20.35S 178.02W 549–23 4.1,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=20.9km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=18.0km az=130.0.
IDC VIII 21 23 01 10.3–51 17.23S 177.46W 552–27 4.2,3.2b
¶621043027
IDC Error ellipse: s-maj=878.8km s-min=132.1km az=78.0.
IDC VIII 22 08 21 51.9–2.8 18.69S 177.00W 378–28 3.9,3.1b
¶621043068
IDC Error ellipse: s-maj=43.1km s-min=26.7km az=168.0.
ISC VIII 22 08 33 00.8–.85 17.8S–.30 178.6W–.20 550 3.8b 10 3-147
IDC VIII 22 08 33 01.4–1.4 17.74S 178.66W 560–16 4.2,3.3b **¶621043070**
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=18.6km az=155.0.
ISC VIII 22 01 33 55.8–2.0 20.2S–.70 178.6W–.30 550 3.4b 10 9-150
IDC VIII 22 01 33 56.3–3.1 20.12S 178.66W 552–26 3.9,2.9b **¶621043042**
ISC Event type se.
IDC Error ellipse: s-maj=119.9km s-min=16.7km az=154.0.
IDC VIII 23 09 56 06.1–11 19.80S 177.50W 542–74 3.9,3.0b
¶621049221
IDC Error ellipse: s-maj=287.5km s-min=53.5km az=146.0.
ISC VIII 27 20 31 56.1–.63 20.6S–.10 178.5W–.10 587 4.3b 71 4-150
NEIC VIII 27 20 31 53.0–1.6 20.7S–.10 178.3W–.10 550–8 4.4b **¶621072176**
IDC VIII 27 20 31 54.3–1.9 20.60S 178.43W 564–18 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=16.5km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.4km s-min=17.7km az=105.0.
ISC VIII 24 14 10 06.8–.31 17.96S–.06 178.41W–.05 600 4.4b 334 3-175
GFZ VIII 24 14 10 06.6–.32 18S–6.0 178W–4.0 608–6 4.4b,4.4 **¶621002166**
BGR VIII 24 14 10 07.0 18.45S 178.01W 600 4.4b,4.4
NEIC VIII 24 14 10 07.3–.88 18.0S–.10 178.4W–.10 604–7 4.4b,4.4
IDC VIII 24 14 10 08.4–.74 18.03S 178.50W 609–8 4.7,3.8b
ISC Event type ke.
GFZ Error ellipse: s-maj=13.9km s-min=8.7km az=169.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=13.0km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.9km s-min=9.1km az=158.0.
IDC VIII 27 10 07 00.8–1.5 18.31S 176.90W 0 3.6b,3.6
¶621072142
IDC Error ellipse: s-maj=51.9km s-min=32.5km az=172.0.
ISC VIII 24 02 14 55.8–.84 18.3S–.20 177.7W–.20 550 4.3b 26 4-148
NEIC VIII 24 02 14 55.7–1.5 18.3S–.10 177.6W–.20 537–9 4.4b **¶621049278**
IDC VIII 24 02 14 56.6–5.1 18.16S 177.88W 545–27 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=14.5km az=124.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=135.1km s-min=39.5km az=138.0.
IDC VIII 24 11 45 50.6–3.1 21.01S 177.96W 444–72 3.8,3.0b
¶621049321
IDC Error ellipse: s-maj=149.4km s-min=35.2km az=24.0.
ISC VIII 26 12 46 44.9–.86 20.3S–.10 177.6W–.10 400 4.0b 30 5-147
NEIC VIII 26 12 46 45.5–1.1 20.3S–.20 177.5W–.10 401–13 4.2b **¶621058996**
IDC VIII 26 12 46 45.9–5.6 19.99S 177.56W 418–33 4.4,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=18.0km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=82.8km s-min=39.1km az=124.0.
IDC VIII 27 14 22 02.9–34 21.85S 178.72W 489–344 3.9,3.0b
¶621072156
IDC Error ellipse: s-maj=287.7km s-min=86.8km az=133.0.
ISC VIII 29 16 09 23.3–1.8 17.4S–.70 178.8W–.40 600 3.4b 8 3-147
IDC VIII 29 16 09 22.9–2.5 17.56S 178.75W 595–20 3.6,2.7b **¶621073191**
ISC Event type se.
IDC Error ellipse: s-maj=108.7km s-min=21.7km az=151.0.
ISC VIII 29 07 52 56.7–.60 20.7S–.10 176.29W–.10 234 3.6b 22 6-151
IDC VIII 29 07 52 55.3–.97 20.66S 176.23W 218–8 4.1,3.5b **¶621073161**
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=14.4km az=158.0.
ISC VIII 27 23 08 48.7–.77 18.5S–.10 178.1W–.10 500 3.9b 37 4-148
IDC VIII 27 23 08 49.2–2.3 18.39S 178.02W 515–21 4.0,3.1b **¶621072187**
NEIC VIII 27 23 08 49.5–1.3 18.45S–.08 178.0W–.20 512–9 4.2b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 05 36 36.0–.38 21.81S–.06 179.25W–.07 600 4.2b 177 5-171
NEIC VIII 28 05 36 36.6–1.4 21.67S–.10 179.2W–.10 600–9 4.3b **¶621237582**
IDC VIII 28 05 36 37.8–1.0 21.60S 179.47W 615–10 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.3km az=54.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.9km s-min=10.1km az=149.0.
IDC VIII 28 23 07 51.1–3.2 21.29S 176.83W 524–36 3.7,2.8b
¶621073139
IDC Error ellipse: s-maj=46.1km s-min=27.9km az=157.0.
ISC VIII 29 23 55 15.9–1.1 18.1S–.20 178.2W–.20 500 3.5b 7 4-148
IDC VIII 29 23 55 17.1–2.2 18.10S 178.30W 511–22 3.9,3.1b **¶621073212**
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=27.4km az=158.0.
IDC VIII 29 11 46 22.6–.97 15.19S 177.42W 0 3.9b,3.9
¶621073171
IDC Error ellipse: s-maj=41.5km s-min=24.1km az=135.0.
ISC VIII 29 23 57 49.3–1.5 17.2S–.90 179.1W–.50 600 3.8b 7 3-87
IDC VIII 29 23 57 48.7–2.1 17.45S 178.92W 594–19 4.2,3.3b **¶621073213**
ISC Event type se.
IDC Error ellipse: s-maj=119.4km s-min=21.5km az=154.0.
ISC VIII 30 08 07 58.8–.94 15.4S–.20 178.9W–.20 500 3.3b 8 45-86

IDC VIII 30 08 07 58.6–25 15.36S 178.86W 498–303 3.9,3.1b **¶621076497**
ISC Event type se.
IDC Error ellipse: s-maj=81.3km s-min=22.8km az=93.0.
ISC VIII 30 11 36 57.9–.58 21.3S–.10 178.7W–.10 579 4.0b 39 5-143
NEIC VIII 30 11 36 58.4–.97 21.3S–.10 178.7W–.10 584–10 4.1b **¶621076512**
IDC VIII 30 11 36 59.5–2.3 21.12S 178.80W 591–24 3.8,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=16.0km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.9km s-min=18.4km az=145.0.
ISC VIII 30 08 52 33.7–.62 19.1S–.20 177.7W–.10 570 3.6b 27 4-152
IDC VIII 30 08 52 33.8–1.3 19.13S 177.68W 570–15 4.1,3.1b **¶621076503**
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=11.6km az=151.0.
ISC VIII 31 17 47 43.3–.82 19.1S–.20 177.1W–.10 400 3.8b 29 5-90
NEIC VIII 31 17 47 44.7–1.1 19.0S–.20 177.1W–.20 424–11 4.0b **¶621076628**
IDC VIII 31 17 47 47.9–3.6 19.30S 177.56W 423–31 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=13.6km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=81.4km s-min=24.8km az=151.0.
ISC VIII 31 01 10 41.0–.78 18.1S–.10 178.0W–.10 600 4.5b 45 4-148
NEIC VIII 31 01 10 37.9–1.7 17.9S–.10 177.5W–.10 601–9 4.5b **¶621011402**
IDC VIII 31 01 10 42.4–1.9 18.07S 178.11W 604–19 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=16.0km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.7km s-min=20.8km az=128.0.
IDC VIII 31 08 59 22.1–5.4 16.82S 178.60W 564–21 4.0,3.1b
¶621076598
IDC Error ellipse: s-maj=130.4km s-min=38.0km az=27.0.
ISC VIII 31 10 04 52.9–.31 18.15S–.04 178.14W–.04 557–3 5.1b 993 4-175
NOU VIII 31 10 04 50.2 18.60S 178.05W 539 5.2b **¶621237605**
MOS VIII 31 10 04 53.4–1.2 17.98S 178.34W 553 5.1b
IDC VIII 31 10 04 53.3–1.1 18.08S 178.27W 552–12 5.2,4.4b
GFZ VIII 31 10 04 53.3–.28 18S–3.0 178W–2.0 548–3 5.0b,4.8
NEIC VIII 31 10 04 53.5–1.7 18.1S–.10 178.3W–.10 550–6 5.3,5.1b
BJI VIII 31 10 04 54.0 17.59S 178.34W 551 5.1b,5.0b
GCMT VIII 31 10 04 56.2–.20 18.00S–.02 178.30W–.02 563–1 5.4W,5.0b
ISC Event type se.
NOU Fiji Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202108311004A. Moment Tensor Solution. s116,c180;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.00±.02 $M_{\theta\theta}$0.53±.04; $M_{\phi\phi}$0.47±.04; $M_{r\theta}$-0.95±.04; $M_{\theta\phi}$0.33±.04; $M_{\phi r}$-0.38±.04; Best double couple: NP1:ϕ_s221.00000°,δ22.00000°,λ-110.00000°. NP2:ϕ_s62.00000° ,δ69.00000°,λ-82.00000°. Principal axes: T 1.2600,Plg24.0000°,Azm146.0000° ; N 0.2170,Plg7.0000°,Azm239.0000°; P -1.4790,Plg65.0000°,Azm345.0000° $M_0$1.37000×10^{17}
IDC VIII 30 15 39 01.1–16 20.43S 179.53W 337–88 3.7,3.1b
¶621076531
IDC Error ellipse: s-maj=299.1km s-min=48.2km az=139.0.
ISC IX 01 10 25 28.0–1.4 15.3S–.40 177.8W–.20 400 3.5b 6 5-84
IDC IX 01 10 25 29.9–2.8 15.40S 177.89W 422–26 4.1,3.3b **¶621080615**
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=26.4km az=172.0.
ISC IX 01 04 42 09.4–.60 20.1S–.10 178.1W–.10 550 4.1b 79 4-152
IDC IX 01 04 42 09.9–1.7 20.09S 178.06W 553–17 4.3,3.4b **¶621080594**
NEIC IX 01 04 42 09.9–1.1 20.1S–.10 178.0W–.10 550–6 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 01 14 53 54.6–9.2 19.04S 178.91W 0 3.4b,3.4
¶621080628
IDC Error ellipse: s-maj=408.2km s-min=41.7km az=144.0.
ISC IX 01 19 41 04.0–1.9 17.5S–.40 178.4W–.20 600 3.7b 8 3-147
IDC IX 01 19 41 03.4–2.3 17.77S 178.31W 577–20 4.2,3.2b **¶621080639**
ISC Event type se.
IDC Error ellipse: s-maj=38.1km s-min=31.4km az=10.0.
IDC IX 02 06 34 25.1–1.2 17.24S 174.57E 0 3.7b,3.7
¶621080663
IDC Error ellipse: s-maj=44.3km s-min=17.0km az=1.0.
ISC IX 02 10 13 14.5–.56 18.70S–.08 177.2W–.10 350 4.2b 60 5-149
NEIC IX 02 10 13 14.5–.87 18.6S–.10 177.1W–.10 349–6 4.3b **¶621080678**
IDC IX 02 10 13 18.1–2.7 18.59S 177.52W 377–25 4.0,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=14.7km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.6km s-min=19.1km az=139.0.
ISC IX 03 21 30 12.4–1.6 20.5S–.40 177.9W–.20 550 3.3b 6 5-89
IDC IX 03 21 30 14.1–3.2 20.31S 178.07W 563–28 3.8,2.8b **¶621081592**
ISC Event type se.
IDC Error ellipse: s-maj=69.0km s-min=23.5km az=151.0.
ISC IX 02 16 26 20.3–1.0 18.0S–.20 178.5W–.20 600 3.6b 35 3-148
IDC IX 02 16 26 21.6–1.9 17.93S 178.59W 610–12 3.8,2.9b **¶621080690**
NEIC IX 02 16 26 22.3–1.5 17.9S–.20 178.62W–.10 618–6 4.0b,2.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 04 23 39 53.3–.91 20.7S–.20 178.6W–.30 587 3.4b 11 4-150
IDC IX 04 23 39 54.7–2.0 20.65S 178.67W 601–22 3.8,3.0b **¶621081661**
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=25.0km az=81.0.
IDC IX 03 20 34 12.9–59 16.37S 178.98W 0 4.1b,4.1
¶621081589
IDC Error ellipse: s-maj=1082.0km s-min=166.9km az=77.0.
ISC IX 04 17 58 12.6–.89 19.7S–.10 177.4W–.10 550 4.1b 31 5-150
NEIC IX 04 17 58 13.4–2.0 19.6S–.20 177.3W–.10 563–13 4.2b **¶621081646**
IDC IX 04 17 58 15.8–2.7 19.59S 177.65W 581–24 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=14.6km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.3km s-min=34.9km az=158.0.
IDC IX 05 12 59 08.3–3.4 18.73S 179.64W 343–26 3.8,3.2b
¶621086410
IDC Error ellipse: s-maj=100.1km s-min=33.7km az=36.0.
ISC IX 05 03 33 39.1–3.6 17.7S–.50 178.7W–.30 550 3.8b 6 3-72
IDC IX 05 03 33 37.3–5.1 17.19S 178.55W 565–22 4.2,3.3b **¶621086378**
ISC Event type se.
IDC Error ellipse: s-maj=130.5km s-min=33.3km az=25.0.
ISC IX 05 01 17 07.2–.38 20.76S–.07 178.85W–.07 619 4.2b 302 4-172
NEIC IX 05 01 17 06.2–2.3 20.8S–.10 178.8W–.10 598–6 4.2b **¶621035458**
IDC IX 05 01 17 08.0–.99 20.73S 179.04W 623–10 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=15.3km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.4km s-min=9.3km az=142.0.
IDC IX 05 07 51 50.3–3.9 17.75S 178.72W 582–26 3.6,2.7b
¶621086391
IDC Error ellipse: s-maj=285.0km s-min=30.5km az=158.0.
ISC IX 07 02 57 15.4–.58 21.82S–.10 178.9W–.10 576 4.4b 40 5-151
IDC IX 07 02 57 12.2–2.6 21.82S 178.99W 525–28 4.0,3.0b **¶621094296**

NEIC IX 07 02 57 14.3–.89 21.8S–.10 178.8W–.10 560–9 4.6b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 06 19 11 04.0–49 17.15S 179.62W 542–130 3.9,2.9b
¶621094278
IDC Error ellipse: s-maj=1005.0km s-min=127.6km az=79.0.
ISC IX 07 03 13 19.6–.76 20.2S–.10 176.2W–.10 500 3.9b 22 6-150
IDC IX 07 03 13 18.4–5.4 20.33S 176.17W 485–36 4.0,2.8b **¶621094297**
NEIC IX 07 03 13 19.4–.77 20.2S–.10 176.1W–.20 489–13 4.1b,2.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 07 12 27 52.8–2.7 20.61S 178.34W 527–47 3.9,3.0b
¶621094323
IDC Error ellipse: s-maj=104.9km s-min=33.2km az=25.0.
ISC IX 07 09 49 56.8–.21 19.49S–.04 176.01W–.04 10 5.7b,5.6s 963 6-165
PTWC IX 07 09 49 55 19.40S 175.80W 10 6.3,5.6s **¶621039599**
IDC IX 07 09 49 55.5–.37 19.40S 176.15W 0 5.5s,4.9b
BJI IX 07 09 49 55.7 19.17S 175.93W 9 5.8b,5.7s
ISC-P IX 07 09 49 56 19.39S 176.07W 29–1 6.4,5.7s
NEIC IX 07 09 49 57.0–.96 19.39S–.09 176.07W–.08 10–1 5.9,5.7b
IPGP IX 07 09 49 57.0 19.41S 176.06W 6 6.1W,5.7b
MOS IX 07 09 49 57.1–1.3 19.32S 176.15W 18 5.8s,5.7b
NEIC IX 07 09 49 57.4 19.39S 176.09W 10 5.8s,5.7b
GFZ IX 07 09 49 57.5 19.41S 176.15W 17 6.0W,5.7b
NEIC IX 07 09 49 57.2 19.41S 176.07W 10 6.0W,5.7b
GFZ IX 07 09 49 57.1–.16 19S–3.0 176W–3.0 10 5.6,5.5b
NOU IX 07 09 50 00.6 19.46S 176.17W 30 5.4b,5.5b
GCMT IX 07 09 50 02.3–.10 19.43S 176.02W 13–0 6.0W,5.5b
NEIC IX 07 09 50 03.7 19.39S 175.98W 24 6.0,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=12.5km az=154.0.
ISC-P Moment Tension Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.01±.12 $M_{\theta\theta}$-0.56±.19; $M_{\phi\phi}$0.62±.17; $M_{r\theta}$-0.07±.25; $M_{\theta\phi}$0.21±.15; $M_{\phi r}$-0.32±.12; NP1:ϕ_s299.90000°,δ80.10000°,λ167.40000°. NP2:ϕ_s32.10000°,δ77.60000°,λ10.20000°. M_o4.32000×10^{18}
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.6km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tension Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17 $M_{\theta\theta}$-7.82 $M_{\phi\phi}$8.00 $M_{r\theta}$1.03 $M_{\theta\phi}$-1.80 $M_{\phi r}$2.33 NP1:ϕ_s308.01000°,δ73.35000°,λ176.68000°. NP2:ϕ_s38.96000°,δ86.82000°,λ16.67000°. Principal axes: T 8.7473,Plg14.0000°,Azm265.0000°; N -0.5079,Plg73.0000°,Azm49.0000°; P -8.2394,Plg9.0000°,Azm172.0000° M_o8.50000×10^{17}
IPGP Moment Tension Solution. NP1:ϕ_s215.00000°,δ61.00000°,λ-16.00000°. NP2:ϕ_s313.00000°,δ76.00000°,λ-150.00000°.
MOS Error ellipse: s-maj=7.6km s-min=7.4km az=78.5.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tension Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12 $M_{\theta\theta}$-1.05 $M_{\phi\phi}$1.17 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.14 $M_{\phi r}$0.05 NP1:ϕ_s131.53298°,δ87.81749°,λ-174.34765°. NP2:ϕ_s41.31702°,δ84.35176°,λ-2.19317°. Principal axes: T 1.1800,Plg2.4453°,Azm266.3068°; N -0.1149,Plg83.9422°,Azm152.5786°; P -1.0650,Plg5.5390°,Azm356.5441° M_o1.12692×10^{18}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109070949A. Moment Tensor Solution. s157,c335; s168,c577;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07±.01 $M_{\theta\theta}$-1.08±.01; $M_{\phi\phi}$1.15±.01; $M_{r\theta}$-0.06±.01; $M_{\theta\phi}$-0.20±.01; $M_{\phi r}$0.10±.01; Best double couple: NP1:ϕ_s40.00000°,δ85.00000°,λ1.00000°. NP2:ϕ_s310.00000°,δ89.00000°,λ175.00000°. Principal axes: T 1.1760,Plg5.0000°,Azm265.0000°; N -0.0770,Plg84.0000°,Azm118.0000°; P -1.1010,Plg3.0000°,Azm355.0000° M_o1.13900×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s8 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.23 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$1.21 $M_{r\theta}$0.12 $M_{\theta\phi}$-0.09 $M_{\phi r}$0.43 NP1:ϕ_s311.50000°,δ71.01000°,λ177.20000°. NP2:ϕ_s42.41000°,δ87.35000°,λ19.01000°. Principal axes: T 1.3284,Plg15.0000°,Azm269.0000°; N -0.3181,Plg71.0000°,Azm50.0000°; P -1.0103,Plg11.0000°,Azm175.0000° M_o1.20000×10^{18}
ISC IX 08 00 27 41.7–2.0 19.0S–.40 177.3W–.20 570 3.5b 6 5-149
IDC IX 08 00 27 49.3–1.9 17.98S 178.33W 607–15 3.8,2.9b **¶621105750**
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=30.0km az=135.0.
IDC IX 07 11 26 19.7–54 16.25S 176.24W 580–66 4.2,3.2b
¶621094321
IDC Error ellipse: s-maj=893.9km s-min=117.1km az=77.0.
ISC IX 08 20 40 59.2–.63 16.9S–.20 179.3W–.10 600 4.1b 31 3-146
IDC IX 08 20 40 56.2–2.2 17.60S 178.67W 572–20 4.3,3.4b **¶621105792**
NEIC IX 08 20 40 58.5–1.2 17.0S–.20 179.3W–.10 580–8 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 08 01 38 22.2–1.5 17.3S–.60 179.0W–.40 600 3.2b 8 3-87
IDC IX 08 01 38 21.7–2.1 17.36S 178.94W 591–19 3.8,2.9b **¶621105753**
ISC Event type se.
IDC Error ellipse: s-maj=102.4km s-min=18.5km az=151.0.
ISC IX 08 12 46 07.7–.60 20.0S–.10 177.6W–.10 550 4.0b 30 5-144
NEIC IX 08 12 46 08.3–.69 20.0S–.10 177.4W–.10 563–10 4.1b **¶621105778**
IDC IX 08 12 46 12.3–2.3 19.42S 178.00W 584–20 3.9,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=10.6km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.0km s-min=14.4km az=152.0.
ISC IX 08 07 59 28.6–1.6 20.0S–.50 177.7W–.20 550 3.2b 7 5-143
IDC IX 08 07 59 31.6–4.3 19.50S 178.00W 572–35 3.7,2.9b **¶621105769**
ISC Event type se.
IDC Error ellipse: s-maj=131.5km s-min=22.4km az=151.0.
ISC IX 09 00 51 42.2–.45 18.10S–.07 178.12W–.08 590 4.2b 115 4-150
NEIC IX 09 00 51 40.2–1.6 18.16S–.09 178.0W–.10 564–7 4.4b **¶621105814**
IDC IX 09 00 51 43.3–.98 18.05S 178.14W 596–10 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=12.6km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.7km s-min=10.3km az=140.0.
ISC IX 09 11 22 20.4–.52 19.9S–.10 178.40W–.09 602 4.2b 41 4-147
IDC IX 09 11 22 19.0–1.6 19.94S 178.28W 582–17 4.5,3.6b **¶621105878**
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=11.6km az=92.0.
ISC IX 08 22 43 06.8–.51 18.2S–.10 177.76W–.09 600 4.1b 140 4-151
BGR IX 08 22 42 03.6 18.46S 176.17W 33 4.4s **¶621105804**
NEIC IX 08 22 43 05.7–1.8 18.4S–.10 177.7W–.10 567–7 4.3b
IDC IX 08 22 43 08.7–1.1 18.19S 178.00W 599–10 4.3,3.4b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=16.2km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=13.1km az=146.0.
ISC IX 09 07 18 08.4–.25 21.79S–.03 179.29W–.04 598–2 5.0b 923 5-164
BJI IX 09 07 18 07.5 21.63S 179.00W 601 5.3b,5.1b **¶621044120**
NOU IX 09 07 18 07.9 21.86S 179.22W 594 5.4b,5.1b
NEIC IX 09 07 18 08.7–1.6 21.74S–.10 179.4W–.10 586–6 5.0b,5.1b
IDC IX 09 07 18 09.2–.37 21.73S 179.43W 594–3 5.6,4.7b
GFZ IX 09 07 18 09.1–.36 22S–4.0 179W–4.0 593–6 5.8b,5.5b
GCMT IX 09 07 18 10.5–.40 22.04S–.04 179.39W–.03 594–2 5.5W,5.5b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109090718A. Moment Tensor Solution. s79,c105;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.05 $M_{\theta\theta}$-0.43±.08; $M_{\phi\phi}$0.47±.07; $M_{r\theta}$-0.50±.07; $M_{\theta\phi}$-0.44±.07; $M_{\phi r}$-1.68±.06; Best double couple: NP1:ϕ_s112.00000°,δ20.00000°,λ-176.00000°. NP2:ϕ_s18.00000°,δ89.00000°,λ-71.00000°. Principal axes: T 1.9170,Plg41.0000°,Azm90.0000°; N -0.1090,Plg19.0000°,Azm197.0000°; P -1.8070,Plg43.0000°,Azm307.0000° M_o1.86200×10^{17}
ISC IX 09 04 59 43.4–.51 19.36S–.04 176.33W–.04 11–2 5.5s,5.5b 663 5-165
IDC IX 09 04 59 41.8–.38 19.29S 176.47W 0 5.3s,4.8b **¶621240969**
MOS IX 09 04 59 42.4–1.2 19.31S 176.52W 10 5.6b,5.5s
BJI IX 09 04 59 42.5 18.87S 176.13W 5 5.7b,5.5s
NEIC IX 09 04 59 43.5 19.25S 176.41W 10 5.7b,5.5s
GFZ IX 09 04 59 43.4 19.40S 176.35W 15 5.8W,5.5s
NEIC IX 09 04 59 43.5 19.25S 176.41W 10 5.8W,5.5s
GFZ IX 09 04 59 43.4–.12 19S–3.0 176W–2.0 10 5.9,5.9b
NEIC IX 09 04 59 43.4–1.7 19.24S–.08 176.4W–.10 10–1 5.8,5.6
NOU IX 09 04 59 43.1 19.58S 176.24W 13 5.4b,5.6
GCMT IX 09 04 59 47.9–.10 19.22S 176.32W 14–0 5.8W,5.6
NEIC IX 09 04 59 48.9 19.45S 176.20W 22 5.8,5.6
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=11.3km az=146.0.
MOS Error ellipse: s-maj=9.1km s-min=7.9km az=135.9.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.12 $M_{\theta\theta}$-3.11 $M_{\phi\phi}$4.23 $M_{r\theta}$0.08 $M_{\theta\phi}$-4.10 $M_{\phi r}$0.48 NP1:ϕ_s290.90328°,δ84.85944°,λ-179.39557°. NP2:ϕ_s200.84912°,δ89.39800°,λ-5.14084°. Principal axes: T 6.0882,Plg3.2060°,Azm245.9900°; N -1.1196,Plg84.8241°,Azm14.1880°; P -4.9686,Plg4.0591°,Azm155.7622° M_o5.61281×10^{17}
NEIC Event type se.
GFZ Error ellipse: s-maj=7.0km s-min=5.1km az=165.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=12.8km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.09 $M_{\theta\theta}$-5.49 $M_{\phi\phi}$3.40 $M_{r\theta}$-1.57 $M_{\theta\phi}$-2.99 $M_{\phi r}$1.44 NP1:ϕ_s293.54000°,δ74.81000°,λ152.59000°. NP2:ϕ_s31.28000°,δ63.63000°,λ17.00000°. Principal axes: T 5.3685,Plg30.0000°,Azm250.0000°; N 1.1749,Plg59.0000°,Azm87.0000°; P -6.5434,Plg7.0000°,Azm344.0000° M_o6.04000×10^{17}
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109090459A. Moment Tensor Solution. s145,c303; s163,c511;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.80±.04 $M_{\theta\theta}$-3.70±.04; $M_{\phi\phi}$4.49±.04; $M_{r\theta}$-0.63±.08; $M_{\theta\phi}$-4.53±.04; $M_{\phi r}$0.30±.07; Best double couple: NP1:ϕ_s21.00000°,δ83.00000°,λ-1.00000°. NP2:ϕ_s111.00000°,δ89.00000°,λ-173.00000°. Principal axes: T 6.5410,Plg4.0000°,Azm246.0000°; N -0.7920,Plg83.0000°,Azm118.0000°; P -5.7540,Plg5.0000°,Azm336.0000° M_o6.14700×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45 $M_{\theta\theta}$-4.44 $M_{\phi\phi}$4.89 $M_{r\theta}$-2.04 $M_{\theta\phi}$-4.20 $M_{\phi r}$1.74 NP1:ϕ_s24.97000°,δ68.20000°,λ3.06000°. NP2:ϕ_s293.83000°,δ87.16000°,λ158.17000°. Principal axes: T 7.2386,Plg17.0000°,Azm247.0000°; N -0.8828,Plg68.0000°,Azm107.0000°; P -6.3559,Plg13.0000°,Azm341.0000° M_o6.84000×10^{17}
IDC IX 09 02 41 05.7–8.7 18.32S 179.73W 558–21 3.6,2.7b
¶621105822
IDC Error ellipse: s-maj=331.6km s-min=35.2km az=143.0.
ISC IX 09 20 14 24.2–.44 20.70S–.09 178.48W–.08 587 4.2b 160 4-161
NEIC IX 09 20 14 24.0–2.0 20.7S–.10 178.4W–.10 577–6 4.3b **¶621105904**
IDC IX 09 20 14 26.1–1.5 20.79S 178.66W 599–15 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=13.9km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.5km s-min=10.5km az=151.0.
ISC IX 09 21 56 45.8–.54 17.8S–.10 178.66W–.09 550 4.4b 45 3-147
IDC IX 09 21 56 46.4–1.3 17.56S 178.89W 547–14 4.5,3.5b **¶621105912**
NEIC IX 09 21 56 46.4–.91 17.7S–.10 178.6W–.10 560–8 4.5b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 08 40 40.7–1.0 21.8S–.20 179.4W–.10 600 4.1b 23 5-68
IDC IX 09 08 40 41.2–2.5 21.46S 179.34W 627–56 4.0,3.0b **¶621105864**
NEIC IX 09 08 40 41.4–.53 21.8S–.10 179.4W–.20 605–17 4.1b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 09 11 01.1–1.1 20.3S–.20 178.6W–.20 587 3.4b 10 4-150
IDC IX 10 09 10 59.0–2.6 20.44S 178.40W 561–23 3.8,3.0b **¶621108502**
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=26.4km az=139.0.
ISC IX 10 04 10 19.1–.73 20.9S–.10 177.2W–.10 300 3.9b 27 5-145
NEIC IX 10 04 10 20.6–1.9 20.8S–.10 177.1W–.10 314–8 4.1b **¶621108483**
IDC IX 10 04 10 24.1–3.3 20.59S 177.50W 354–29 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=14.8km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.6km s-min=20.3km az=143.0.
ISC IX 11 00 27 52.9–.57 18.0S–.20 178.39W–.10 600 4.2b 50 3-151
NEIC IX 11 00 27 54.2–1.3 18.1S–.10 178.34W–.08 607–9 4.1b **¶621108547**
IDC IX 11 00 27 55.3–1.4 17.95S 178.51W 621–16 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=8.6km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.6km s-min=13.7km az=156.0.
ISC IX 10 18 32 28.8–.58 16.1S–.10 176.6W–.10 382 4.0b 37 2-145
NEIC IX 10 18 32 28.9–1.3 16.1S–.10 176.52W–.07 380–8 4.0b **¶621108536**
IDC IX 10 18 32 28.1–1.5 16.07S 176.69W 370–16 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=10.3km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.5km s-min=16.6km az=160.0.
IDC IX 10 18 46 12.9–3.5 16.65S 177.02W 401–27 4.0,3.2b
¶621108537
IDC Error ellipse: s-maj=193.3km s-min=28.6km az=158.0.
IDC IX 11 06 25 37.0–10 19.30S 177.58W 510–71 3.7,2.9b
¶621108566
IDC Error ellipse: s-maj=356.0km s-min=39.1km az=36.0.
IDC IX 12 04 25 45.5–7.4 19.67S 177.44W 582–67 4.0,2.9b
¶621075967
IDC Error ellipse: s-maj=258.8km s-min=24.9km az=157.0.
ISC IX 11 04 25 01.9–.77 16.9S–.20 178.8W–.10 550 4.2b 24 3-144
IDC IX 11 04 25 02.6–1.5 17.07S 178.84W 554–18 4.1,3.3b **¶621108557**
NEIC IX 11 04 25 02.3–1.0 17.0S–.20 178.7W–.20 563–13 4.2b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 03 33 46.9–1.5 21.3S–.20 178.9W–.30 600 3.2b 6 5-143
IDC IX 11 03 33 47.0–2.5 21.45S 178.97W 587–30 3.7,2.6b **¶621108553**
ISC Event type se.
IDC Error ellipse: s-maj=51.5km s-min=36.1km az=13.0.
IDC IX 11 16 50 50.5–15 17.43S 176.31W 539–28 3.9,2.8b
¶621108594
IDC Error ellipse: s-maj=353.5km s-min=40.9km az=36.0.
ISC IX 12 04 26 57.1–.73 17.5S–.20 178.5W–.10 600 4.0b 22 3-86
NEIC IX 12 04 26 54.5–1.4 17.5S–.20 178.2W–.20 573–9 4.0b **¶621109633**
IDC IX 12 04 26 56.1–2.5 17.62S 178.45W 571–23 4.2,3.3b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=26.1km s-min=20.6km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=116.7km s-min=25.0km az=155.0.
ISC IX 12 10 44 30.8–.71 18.0S–.20 178.7W–.10 650 4.1b 21 3-148
IDC IX 12 10 44 30.0–1.5 18.06S 178.62W 636–16 4.2,3.2b **¶621109648**
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=14.9km az=158.0.
IDC IX 12 10 59 54.9–2.1 16.70S 177.77W 0 3.8b,3.8 ¶621109649
IDC Error ellipse: s-maj=55.8km s-min=41.1km az=18.0.
ISC IX 12 22 43 48.9–.61 18.2S–.10 177.56W–.09 450 3.8b 28 4-151
NEIC IX 12 22 43 50.4–1.3 18.3S–.20 177.7W–.10 460–8 4.0b **¶621109684**
IDC IX 12 22 43 52.1–1.9 18.01S 177.90W 485–16 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=18.0km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.2km s-min=22.7km az=144.0.
IDC IX 12 08 33 17.7–1.9 17.30S 179.01W 554–19 3.6,2.7b ¶621109641
IDC Error ellipse: s-maj=40.8km s-min=28.4km az=0.0.
ISC IX 13 04 27 03.3–.88 19.9S–.20 177.5W–.20 550 3.2b 11 5-150
IDC IX 13 04 27 04.5–2.5 19.80S 177.65W 565–26 3.7,2.8b **¶621109697**
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=21.1km az=143.0.
IDC IX 13 02 15 46.4–10 16.15S 176.08W 0 3.5b,3.5 ¶621109691
IDC Error ellipse: s-maj=485.4km s-min=38.3km az=140.0.
IDC IX 13 09 15 43.7–1.5 19.51S 176.45W 0 3.7b,3.7 ¶621109702
IDC Error ellipse: s-maj=56.2km s-min=32.5km az=160.0.
IDC IX 13 09 41 08.9–9.1 19.06S 179.33W 607–92 3.6,2.7b ¶621109704
IDC Error ellipse: s-maj=342.8km s-min=28.4km az=33.0.
ISC IX 13 11 45 12.4–.30 18.03S–.06 178.32W–.05 600 4.5b 515 3-161
NOU IX 13 11 45 11.5 17.75S 178.12W 638 4.7b **¶621071764**
GFZ IX 13 11 45 12.9–.31 18S–3.0 178W–4.0 597–4 5.0b,4.7b
NEIC IX 13 11 45 12.8–1.1 18.0S–.10 178.5W–.10 590–8 4.5b,4.7b
IDC IX 13 11 45 14.2–.80 18.05S 178.54W 610–8 4.8,3.9b
ISC Event type se.
NOU Fiji Islands Region.
GFZ Error ellipse: s-maj=8.7km s-min=5.6km az=127.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=13.7km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.9km s-min=8.8km az=144.0.
IDC IX 13 19 05 42.0–2.9 21.13S 179.82W 0 3.9b,3.9 ¶621109720
IDC Error ellipse: s-maj=295.6km s-min=34.5km az=162.0.
ISC IX 14 06 37 58.2–1.1 16.5S–.30 177.4W–.30 550 3.1b 6 46-86
IDC IX 14 06 37 59.3–31 16.50S 177.44W 563–374 3.7,2.8b **¶621110821**
ISC Event type se.
IDC Error ellipse: s-maj=102.2km s-min=37.1km az=95.0.
ISC IX 14 06 53 13.2–1.1 19.6S–.30 177.8W–.20 600 3.8b 7 34-146
IDC IX 14 06 53 14.2–8.9 19.75S 177.86W 604–102 4.0,3.0b **¶621110822**
ISC Event type se.
IDC Error ellipse: s-maj=51.9km s-min=40.5km az=45.0.
ISC IX 15 18 42 46.1–1.5 21.0S–.20 179.0W–.30 619 3.1b 6 4-146
IDC IX 15 18 42 47.7–2.3 20.90S 179.13W 638–24 3.6,2.5b **¶621112005**
ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=31.0km az=153.0.
ISC IX 14 16 51 36.2–1.5 17.6S–.20 178.0W–.20 600 4.0b 32 4-147
NEIC IX 14 16 51 33.8–.98 17.6S–.20 177.7W–.10 589–11 4.2b **¶621110840**
IDC IX 14 16 51 37.4–2.4 17.98S 178.12W 588–20 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=18.6km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.3km s-min=29.9km az=147.0.
ISC IX 14 20 32 37.1–.58 19.54S–.10 177.94W–.10 600 4.1b 53 4-149
NEIC IX 14 20 32 37.1–1.3 19.6S–.10 177.91W–.09 595–10 4.2b **¶621110848**
IDC IX 14 20 32 38.4–2.1 19.51S 178.07W 610–22 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=9.8km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.6km s-min=18.8km az=62.0.
ISC IX 15 08 09 59.9–.64 18.0S–.10 177.8W–.10 650 4.2b 59 4-151
NEIC IX 15 08 09 59.6–1.4 18.1S–.10 177.8W–.10 622–8 4.2b **¶621111974**
IDC IX 15 08 10 01.4–1.5 17.97S 178.14W 630–16 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=16.4km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=12.4km az=144.0.
ISC IX 16 21 26 03.0–2.1 18.1S–.30 178.8W–.40 550 3.5b 12 3-148
IDC IX 16 21 26 06.4–2.7 17.85S 179.23W 566–17 4.0,3.0b **¶621112908**
ISC Event type se.
IDC Error ellipse: s-maj=68.3km s-min=24.2km az=132.0.
ISC IX 16 13 36 49.0–.58 19.8S–.10 178.2W–.10 600 4.0b 39 4-149
NEIC IX 16 13 36 50.0–1.1 19.8S–.10 178.3W–.10 601–13 4.3b **¶621112891**
IDC IX 16 13 36 50.9–1.7 19.72S 178.44W 619–20 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=14.1km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.7km s-min=15.5km az=141.0.
IDC IX 17 08 12 35.2–1.7 20.61S 177.31W 0 4.0b,4.0 ¶621112944
IDC Error ellipse: s-maj=43.2km s-min=36.7km az=3.0.
ISC IX 16 23 10 55.0–.89 15.7S–.20 176.5W–.20 200 3.5b 8 24-146
IDC IX 16 23 10 56.9–9.6 15.73S 176.43W 217–90 4.1s,3.8 **¶621112913**
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=20.6km az=162.0.
ISC IX 21 12 10 22.1–.45 18.67S–.08 178.11W–.08 500 4.1b 101 4-158
NEIC IX 21 12 10 20.8–1.2 18.7S–.10 178.1W–.10 473–7 4.2b **¶621094398**
IDC IX 21 12 10 20.3–1.4 18.72S 178.11W 471–15 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=15.0km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=12.0km az=124.0.
ISC IX 17 21 36 41.3–.75 18.0S–.20 178.7W–.10 579 4.0b 47 3-148
NEIC IX 17 21 36 38.1–.96 18.0S–.10 178.3W–.10 541–9 4.2b **¶621112985**
IDC IX 17 21 36 39.4–1.9 18.00S 178.41W 552–13 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=17.0km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.1km s-min=17.1km az=151.0.
ISC IX 18 17 20 45.0–.67 20.0S–.10 177.3W–.10 500 4.1b 37 5-150
NEIC IX 18 17 20 45.8–1.4 20.1S–.10 177.4W–.20 500–11 4.2b **¶621113579**
IDC IX 18 17 20 48.1–2.8 20.04S 177.59W 517–24 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=16.3km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.6km s-min=31.3km az=151.0.
ISC IX 20 08 35 56.1–.67 20.7S–.10 178.59W–.10 600 4.3b 60 4-147
NEIC IX 20 08 35 55.6–.92 20.8S–.10 178.4W–.10 603–9 4.3b **¶621083308**
IDC IX 20 08 35 60.0–1.5 20.88S 178.97W 613–17 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=16.6km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=13.1km az=159.0.
IDC IX 18 03 24 28.8–10 18.95S 177.10W 609–59 3.5,2.5b ¶621113542
IDC Error ellipse: s-maj=302.8km s-min=69.8km az=147.0.
ISC IX 17 13 49 04.2–.79 17.8S–.20 178.0W–.10 590 3.7b 16 4-148
IDC IX 17 13 49 04.6–1.4 17.77S 178.05W 592–15 4.1,3.1b **¶621112968**
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=19.6km az=146.0.
ISC IX 20 10 42 29.8–.93 18.7S–.20 177.4W–.20 600 3.8b 11 4-149
IDC IX 20 10 42 31.2–2.1 18.59S 177.53W 623–22 4.0,3.0b **¶621115991**
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=22.3km az=139.0.
ISC IX 22 04 01 01.3–.75 20.7S–.10 178.9W–.10 600 4.4b 31 4-148
NEIC IX 22 04 01 02.7–.87 20.7S–.20 178.9W–.10 611–10 4.5b **¶621118117**
IDC IX 22 04 01 02.3–2.3 20.45S 178.79W 627–24 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=14.6km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.7km s-min=29.1km az=153.0.
ISC IX 23 17 37 12.1–1.1 17.0S–.30 175.0E–.10 35 3.6b 6 3-91
IDC IX 23 17 37 06.9–1.2 16.84S 174.90E 0 3.7b,3.7 **¶621125868**
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=18.7km az=6.0.
IDC IX 22 15 42 09.0–11 18.35S 177.83W 519–47 3.7,2.8b ¶621118158
IDC Error ellipse: s-maj=321.0km s-min=33.9km az=140.0.
ISC IX 23 03 08 44.3–.58 17.5S–.10 178.4W–.10 600 4.0b 39 3-157
NEIC IX 23 03 08 45.3–1.4 17.5S–.10 178.4W–.10 613–9 4.4b **¶621125826**
IDC IX 23 03 08 45.5–1.3 17.63S 178.36W 615–12 3.8,2.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=7.5km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.7km s-min=18.4km az=146.0.
IDC IX 23 12 40 03.4–5.7 19.08S 179.00W 596–39 3.7,2.9b ¶621125856
IDC Error ellipse: s-maj=221.6km s-min=64.9km az=156.0.
ISC IX 23 08 40 01.6–.42 17.25S–.09 177.45W–.07 392 4.2b 70 3-157
NEIC IX 23 08 40 02.4–1.2 17.3S–.10 177.4W–.10 394–6 4.3b **¶621125838**
IDC IX 23 08 40 05.2–1.2 17.29S 177.75W 428–11 4.3,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=7.9km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.3km s-min=11.3km az=128.0.
ISC IX 23 22 24 47.9–.52 20.38S–.09 177.62W–.09 550 4.2b 44 5-148
NEIC IX 23 22 24 46.7–1.4 20.5S–.10 177.6W–.10 527–11 4.4b **¶621125886**
IDC IX 23 22 24 47.3–1.5 20.39S 177.79W 532–19 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=17.1km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.8km s-min=17.3km az=108.0.
ISC IX 23 18 32 05.9–.89 14.4S–.20 178.6W–.20 450 4.1b 23 0-145
IDC IX 23 18 32 04.7–9.1 14.66S 178.69W 409–41 4.4,3.7b **¶621125871**
NEIC IX 23 18 32 05.6–.80 14.6S–.20 178.5W–.10 436–10 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 22 58 43.6–.82 21.4S–.10 178.0W–.10 550 4.2b 38 5-152
IDC IX 23 22 58 43.8–6.0 21.70S 177.98W 556–42 4.3,3.4b **¶621125887**
NEIC IX 23 22 58 45.7–1.2 21.4S–.10 178.25W–.09 555–14 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 24 14 06 05.1–.98 17.9S–.30 178.5W–.20 579 3.3b 6 3-87
IDC IX 24 14 06 07.8–1.9 17.97S 178.55W 611–21 3.8,2.8b **¶621126442**
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=20.9km az=151.0.
IDC IX 24 11 04 51.0–2.3 19.86S 178.21W 603–24 3.9,2.9b ¶621126431
IDC Error ellipse: s-maj=38.2km s-min=31.8km az=169.0.
IDC IX 24 04 54 32.1–7.8 18.92S 176.07W 0 4.3b,4.3 ¶621126408
IDC Error ellipse: s-maj=200.9km s-min=42.9km az=29.0.
IDC IX 24 08 14 29.6–3.5 17.48S 179.03W 557–20 3.9,3.0b ¶621126417
IDC Error ellipse: s-maj=87.8km s-min=38.1km az=23.0.
ISC IX 25 07 52 41.0–.64 17.6S–.10 178.4W–.10 547 4.2b 63 3-113
GFZ IX 25 07 52 41.0–.41 18S–8.0 178W–7.0 566–5 4.9b,4.3 **¶621109891**
IDC IX 25 07 52 42.0–1.3 17.42S 178.54W 542–16 4.1,3.1b
NEIC IX 25 07 52 42.1–1.1 17.5S–.10 178.3W–.20 563–11 4.2b,3.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 24 19 05 56.9–.45 20.30S–.07 177.45W–.08 500 4.3b 145 5-150
GFZ IX 24 19 05 57.7–.57 20S–4.0 178W–5.0 514–9 4.2b,4.2 **¶621109781**
IDC IX 24 19 05 58.7–1.5 20.22S 177.58W 511–15 4.6,3.6b
NEIC IX 24 19 05 58.9–1.5 20.3S–.10 177.6W–.20 510–8 4.2b,3.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 01 11 27.0–.78 20.1S–.20 178.2W–.10 569 3.9b 15 4-173
IDC IX 26 01 11 26.1–1.7 20.24S 178.13W 552–18 4.1,3.1b **¶621131475**
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=17.5km az=148.0.
ISC IX 25 14 24 48.4–1.0 18.5S–.20 178.2W–.20 500 3.5b 8 4-148
IDC IX 25 14 24 49.5–2.0 18.36S 178.32W 517–21 4.0,3.1b **¶621131457**
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=20.6km az=147.0.
ISC IX 25 15 03 06.8–.95 21.6S–.10 177.9W–.10 450 3.8b 13 5-144
IDC IX 25 15 03 09.9–1.7 21.52S 178.15W 482–15 4.2,3.3b **¶621131458**
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=17.5km az=122.0.
ISC IX 26 01 54 33.6–.79 18.2S–.10 178.1W–.10 550 4.3b 34 4-158
IDC IX 26 01 54 33.7–1.6 18.24S 178.16W 545–13 4.3,3.4b **¶621131476**
NEIC IX 26 01 54 33.5–1.7 18.2S–.10 178.1W–.20 541–8 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 25 21 52 12.8–3.1 21.84S 178.74W 392–76 3.9,3.0b ¶621131471
IDC Error ellipse: s-maj=130.0km s-min=31.9km az=25.0.
ISC IX 26 03 29 24.3–.85 17.4S–.20 178.6W–.10 547 4.1b 26 3-150
NEIC IX 26 03 29 26.7–1.6 17.4S–.20 178.8W–.20 563–11 4.1b **¶621131481**
IDC IX 26 03 29 27.5–1.9 17.42S 179.02W 570–18 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=25.0km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=28.0km s-min=25.6km az=139.0.
IDC IX 27 02 40 43.8–4.1 18.38S 177.81W 422–32 3.7,3.0b
¶621140676

IDC Error ellipse: s-maj=121.3km s-min=20.8km az=151.0.
ISC IX 26 04 34 34.8–.88 19.7S–.20 177.5W–.10 550 3.8b 9 5-70
IDC IX 26 04 34 34.9–1.5 19.66S 177.48W 552–31 4.2,3.2b **¶621131486**
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=19.6km az=1.0.
ISC IX 26 04 37 17.1–1.7 17.9S–.30 178.1W–.20 590 3.6b 8 4-148
IDC IX 26 04 37 17.4–2.6 17.98S 178.15W 590–23 3.9,2.9b **¶621131487**
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=33.6km az=141.0.
ISC IX 26 14 05 39.1–.54 19.2S–.10 177.26W–.08 600 4.1b 51 5-149
IDC IX 26 14 05 38.4–1.3 19.26S 177.50W 568–15 4.2,3.2b **¶621131515**
NEIC IX 26 14 05 38.1–1.5 19.3S–.10 177.24W–.09 574–7 4.4b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 27 07 27 21.4–61 20.91S 176.65W 0 4.1b,4.1
¶621140688

IDC Error ellipse: s-maj=1136.0km s-min=173.6km az=84.0.
ISC IX 27 04 37 59.3–1.7 17.5S–.70 178.3W–.40 650 3.2b 9 3-147
IDC IX 27 04 37 58.6–2.6 17.73S 178.16W 641–22 3.7,2.7b **¶621140679**
ISC Event type se.
IDC Error ellipse: s-maj=105.2km s-min=20.6km az=151.0.
ISC IX 27 14 06 54.1–.62 20.1S–.10 176.33W–.10 10 4.4b,4.0s 30 6-153
IDC IX 27 14 06 52.9–.93 19.93S 176.37W 0 4.1b,4.1 **¶621140717**
NEIC IX 27 14 06 54.3–1.5 20.09S–.07 176.2W–.10 10–1 4.6b,4.1
GCMT IX 27 14 06 56.5–.30 19.38S–.02 175.95W–.02 21–1 4.9W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109271406A. Moment Tensor Solution. s21,c22; s88,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.30±.12 $M_{\theta\theta}$-2.27±.12; $M_{\phi\phi}$1.97±.10; $M_{r\theta}$-0.20±.19; $M_{\theta\phi}$-1.17±.07; $M_{\phi r}$-0.18±.16; Best double couple: NP1:ϕ_s121.00000°,δ84.00000°,λ-179.00000°. NP2:ϕ_s31.00000°,δ89.00000°,λ-6.00000°. Principal axes: T 2.2790,Plg4.0000°,Azm76.0000°; N 0.3150,Plg84.0000°,Azm203.0000°; P -2.5910,Plg5.0000°,Azm345.0000° $M_0$2.43500×10^{16}
IDC IX 27 18 36 37.5–4.4 15.65S 176.52W 0 4.2b,4.2
¶621140733

IDC Error ellipse: s-maj=119.4km s-min=49.6km az=22.0.
ISC IX 27 15 36 06.0–1.1 17.3S–.20 179.0W–.20 550 4.0b 26 3-84
NEIC IX 27 15 36 06.2–.86 17.4S–.30 178.8W–.10 558–19 4.0b **¶621140727**
IDC IX 27 15 36 07.4–3.0 17.56S 179.02W 554–19 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=39.7km s-min=19.6km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=75.0km s-min=29.8km az=24.0.
ISC IX 28 05 08 28.6–1.4 19.9S–.40 177.9W–.20 569 4.0b 9 4-150
IDC IX 28 05 08 26.9–3.6 20.12S 177.84W 556–28 4.1,3.3b **¶621140796**
ISC Event type se.
IDC Error ellipse: s-maj=85.2km s-min=25.1km az=147.0.
ISC IX 27 23 06 11.8–.69 18.0S–.20 178.5W–.10 600 4.3b 92 3-151
NEIC IX 27 23 06 11.2–1.5 18.0S–.20 178.4W–.10 590–7 4.3b **¶621140666**
IDC IX 27 23 06 11.8–1.4 17.94S 178.48W 595–14 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=15.6km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.1km s-min=13.4km az=151.0.
IDC IX 27 17 28 12.6–7.0 19.69S 178.52W 575–42 4.0,3.1b
¶621140732

IDC Error ellipse: s-maj=196.1km s-min=37.4km az=147.0.
ISC IX 28 03 11 25.8–.82 20.1S–.10 177.7W–.10 550 4.0b 29 17-78
IDC IX 28 03 11 27.2–31 19.81S 177.62W 584–330 4.0,3.0b **¶621140792**
NEIC IX 28 03 11 27.1–.53 20.12S–.09 177.6W–.10 565–8 4.3b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 06 21 36.5–.97 18.1S–.30 177.6W–.20 35 4.0b 7 39-87
IDC IX 28 06 21 31.1–.91 18.06S 177.52W 0 4.1b,4.1 **¶621140803**
ISC Event type se.
IDC Error ellipse: s-maj=51.4km s-min=21.3km az=150.0.
ISC IX 29 17 31 43.3–1.9 21.2S–.40 179.0W–.30 600 3.5b 9 4-147
IDC IX 29 17 31 43.4–6.6 21.25S 178.98W 596–43 3.9,2.9b **¶621146388**
ISC Event type se.
IDC Error ellipse: s-maj=154.5km s-min=31.7km az=145.0.
ISC IX 29 09 45 12.0–1.6 19.9S–.30 178.2W–.30 600 3.7b 8 38-142
IDC IX 29 09 45 06.6–19 20.01S 178.11W 527–191 4.0,3.1b **¶621146365**
ISC Event type se.
IDC Error ellipse: s-maj=119.3km s-min=28.6km az=50.0.
IDC IX 28 08 05 52.6–51 19.54S 176.33W 0 4.1b,4.1
¶621140810

IDC Error ellipse: s-maj=958.1km s-min=176.9km az=82.0.
ISC IX 29 07 23 40.4–.47 18.38S–.06 177.71W–.04 507–5 4.8b 579 4-175
NEIC IX 29 07 23 40.3–2.0 18.3S–.10 177.74W–.09 500–5 4.8b **¶621239830**
NOU IX 29 07 23 40.2 18.66S 177.69W 533 5.0b
GFZ IX 29 07 23 41.4–.38 18S–3.0 178W–2.0 509–4 5.1b,4.7b
IDC IX 29 07 23 41.5–.83 18.41S 177.84W 514–8 5.0,4.2b
GCMT IX 29 07 23 44.4–.40 18.22S–.06 177.96W–.04 519–3 5.2W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109290723A. Moment Tensor Solution. s52,c64;Duration: 0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54±.04 $M_{\theta\theta}$0.07±.08; $M_{\phi\phi}$0.47±.06; $M_{r\theta}$-0.71±.07; $M_{\theta\phi}$-0.08±.06; $M_{\phi r}$0.10±.07; Best double couple: NP1:ϕ_s351.00000°,δ25.00000°,λ-40.00000°. NP2:ϕ_s118.00000°,δ74.00000°,λ-110.00000°. Principal axes: T 0.6280,Plg27.0000°,Azm224.0000°; N 0.3840,Plg19.0000°,Azm124.0000°; P -1.0110,Plg57.0000°,Azm3.0000° $M_0$0.82000×10^{17}
ISC IX 28 09 40 59.3–.85 20.6S–.20 178.0W–.20 534 3.4b 9 5-143
IDC IX 28 09 41 01.0–2.2 20.47S 178.20W 557–26 3.9,3.0b **¶621140822**
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=19.3km az=135.0.
ISC IX 29 03 09 09.7–.47 20.89S–.09 178.64W–.09 600 3.8b 62 4-161
NEIC IX 29 03 09 10.0–1.5 21.0S–.10 178.55W–.07 604–7 4.4b **¶621146352**
IDC IX 29 03 09 11.8–1.2 20.77S 178.77W 620–13 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=6.9km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=13.0km az=121.0.
ISC IX 30 02 23 49.5–.81 17.9S–.20 178.5W–.20 600 3.3b 14 3-148
IDC IX 30 02 23 50.6–1.9 17.94S 178.54W 612–21 3.7,2.8b **¶621147737**
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=18.6km az=144.0.
ISC IX 29 20 38 06.7–.76 21.7S–.10 179.2W–.10 602 4.0b 38 5-143
NEIC IX 29 20 38 06.7–1.4 21.7S–.10 179.1W–.10 599–10 4.2b **¶621146396**
IDC IX 29 20 38 08.0–2.1 21.53S 179.29W 609–19 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=16.9km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.1km s-min=28.3km az=55.0.
ISC IX 30 13 45 01.9–.99 20.6S–.20 178.1W–.10 450 3.4b 9 5-69
IDC IX 30 13 45 01.5–2.2 20.61S 178.10W 439–31 3.9,3.0b **¶621147766**

ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=20.5km az=171.0.
IDC IX 30 06 44 09.0–9.2 15.20S 176.52W 613–34 4.0,3.0b
¶621147746

IDC Error ellipse: s-maj=184.3km s-min=41.1km az=28.0.
IDC X 02 00 19 23.0–4.8 15.11S 177.67W 382–42 3.9,3.1b
¶621186032

IDC Error ellipse: s-maj=311.8km s-min=31.2km az=142.0.
IDC X 02 00 40 59.8–50 18.01S 176.92W 0 3.9b,3.9
¶621186034

IDC Error ellipse: s-maj=935.9km s-min=174.1km az=80.0.
ISC X 01 14 41 09.4–1.3 15.4S–.40 177.6W–.30 35 4.0b,3.9s 17 5-148
GCMT X 01 14 41 04.0 15.75S 176.75W 10 4.9s,3.9s **¶621147833**
IDC X 01 14 41 04.4–1.4 15.26S 177.62W 0 4.1b,4.0
GCMT X 01 14 41 08.8–.40 15.68S–.03 177.16W–.02 16–2 4.8W,4.0
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110011441A. Moment Tensor Solution. s19,c25; s73,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.11 $M_{\theta\theta}$0.60±.12; $M_{\phi\phi}$-0.74±.10; $M_{r\theta}$-0.11±.28; $M_{\theta\phi}$1.57±.08; $M_{\phi r}$-0.32±.29; Best double couple: NP1:ϕ_s282.00000°,δ79.00000°,λ3.00000°. NP2:ϕ_s191.00000°,δ87.00000°,λ169.00000°. Principal axes: T 1.6820,Plg10.0000°,Azm146.0000°; N 0.1190,Plg78.0000°,Azm358.0000°; P -1.8010,Plg6.0000°,Azm237.0000° $M_0$1.74200×10^{16}
ISC X 04 12 48 54.6–1.0 17.6S–.30 178.9W–.20 600 3.6b 8 3-87
IDC X 04 12 48 53.2–1.8 17.73S 178.71W 581–21 3.9,3.0b **¶621203120**
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=18.1km az=144.0.
ISC X 02 14 53 08.6–.00 17.7S–.20 178.3W–.20 550 3.9b 9 3-72
IDC X 02 14 53 09.0–1.5 17.67S 178.35W 555–18 4.2,3.3b **¶621186070**
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=22.9km az=13.0.
ISC X 03 21 18 46.3–.47 18.50S–.10 177.95W–.09 557 4.1b 106 4-151
IDC X 03 21 18 48.5–1.1 18.46S 178.13W 576–10 4.3,3.4b **¶621186149**
NEIC X 03 21 18 48.4–1.4 18.5S–.10 178.0W–.10 578–7 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 18 07 39.4–.72 18.74S–.10 177.71W–.10 500 4.1b 34 4-87
NEIC X 01 18 07 38.8–1.6 19.0S–.10 177.8W–.10 467–15 4.1b **¶621147841**
IDC X 01 18 07 40.1–1.7 18.95S 177.95W 473–19 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=16.6km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.5km s-min=20.6km az=174.0.
IDC X 04 08 55 12.9–3.6 17.84S 178.71W 622–28 3.6,2.7b
¶621203110

IDC Error ellipse: s-maj=241.5km s-min=29.0km az=158.0.
ISC X 02 22 29 57.8–1.6 20.3S–.30 178.0W–.30 500 3.5b 8 5-150
IDC X 02 22 29 58.0–2.8 20.12S 177.91W 515–26 3.9,3.0b **¶621186092**
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=30.9km az=61.0.
ISC X 03 05 26 55.6–1.7 20.7S–.40 177.9W–.20 534 3.5b 12 5-150
IDC X 03 05 26 57.0–3.3 20.63S 178.03W 546–24 3.9,3.0b **¶621186114**
ISC Event type se.
IDC Error ellipse: s-maj=59.3km s-min=22.2km az=142.0.
ISC X 05 16 08 07.4–.34 17.92S–.07 178.43W–.06 579 4.5b 320 3-158
NOU X 05 16 08 02.0 17.84S 177.97W 565 4.7b **¶621125907**
NEIC X 05 16 08 06.7–1.4 17.93S–.09 178.5W–.10 564–7 4.5b
IDC X 05 16 08 08.7–.83 17.95S 178.54W 585–8 4.8,3.9b
GFZ X 05 16 08 09.3–.63 18S–11 179W–7.0 583–6 4.6b,4.6
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC X 05 12 17 55.5–.87 18.1S–.20 178.6W–.10 600 3.6b 18 3-158
IDC X 05 12 17 57.4–1.4 18.03S 178.64W 620–15 4.0,3.0b **¶621203173**
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=14.3km az=154.0.
ISC X 07 00 25 22.6–1.1 18.2S–.30 177.7W–.20 400 3.3b 8 4-148
IDC X 07 00 25 23.7–2.7 18.16S 177.78W 410–24 3.6,2.9b **¶621217175**
ISC Event type se.
IDC Error ellipse: s-maj=44.5km s-min=27.6km az=155.0.
ISC X 05 19 08 40.5–.99 20.64S–.09 176.5W–.10 250 4.0b 32 6-88
IDC X 05 19 08 42.6–3.2 20.64S 176.58W 269–28 4.3,3.7b **¶621203189**
NEIC X 05 19 08 46.8–1.2 20.7S–.10 176.6W–.20 303–11 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 05 20 09 00.5–12 18.31S 177.95W 553–52 4.0,3.0b
¶621203190

IDC Error ellipse: s-maj=375.8km s-min=31.1km az=35.0.
ISC X 07 01 38 47.6–.66 17.8S–.10 178.2W–.10 600 4.2b 58 4-150
IDC X 07 01 38 48.6–1.8 17.77S 178.30W 602–11 4.3,3.4b **¶621217179**
NEIC X 07 01 38 48.7–1.2 18.0S–.10 178.3W–.20 584–9 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 07 20 19 43.5–42 17.48S 178.74W 582–75 4.0,3.1b
¶621217239

IDC Error ellipse: s-maj=810.9km s-min=75.1km az=82.0.
ISC X 07 10 20 37.6–.75 20.2S–.10 178.6W–.10 602 3.6b 15 4-150
IDC X 07 10 20 39.1–1.5 20.09S 178.65W 619–18 4.0,3.1b **¶621217209**
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=15.3km az=162.0.
ISC X 07 23 46 20.5–.53 18.2S–.10 178.13W–.09 590 4.2b 89 4-151
IDC X 07 23 46 20.1–1.4 18.25S 178.17W 581–16 4.3,3.4b **¶621217251**
NEIC X 07 23 46 20.0–1.5 18.1S–.10 178.1W–.10 581–8 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 08 04 43 12.5–.38 17.70S–.07 178.23W–.06 500 4.2b 165 3-150
GFZ X 08 04 43 09.4–.54 18S–4.0 178W–5.0 482–10 5.8b,5.3 **¶621134160**
NEIC X 08 04 43 12.2–1.7 17.8S–.10 178.3W–.10 485–7 4.2b,5.3
IDC X 08 04 43 14.1–.92 17.75S 178.46W 506–8 4.5,3.7b
ISC Event type se.
GFZ Error ellipse: s-maj=10.3km s-min=8.4km az=87.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=14.8km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.1km s-min=10.7km az=152.0.
ISC X 08 01 33 55.9–1.5 18.9S–.30 176.2W–.30 10 4.0b 7 47-149
IDC X 08 01 33 55.7–1.5 19.19S 176.31W 0 3.9b,3.9 **¶621224618**
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=40.1km az=179.0.
ISC X 08 14 48 09.5–1.2 19.9S–.30 177.6W–.20 35 3.6b 6 38-96
IDC X 08 14 48 04.1–1.3 19.84S 177.61W 0 3.7b,3.6 **¶621224662**
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=31.8km az=155.0.
ISC X 09 12 02 04.8–.98 18.3S–.30 178.4W–.20 600 3.4b 8 3-88
IDC X 09 12 02 05.3–1.9 18.29S 178.47W 607–22 3.8,2.9b **¶621235322**
ISC Event type se.
IDC Error ellipse: s-maj=46.4km s-min=22.7km az=161.0.
IDC X 08 10 09 47.2–12 19.05S 177.82W 544–62 3.8,2.9b
¶621224644

IDC Error ellipse: s-maj=333.3km s-min=43.4km az=143.0.
ISC X 09 06 42 05.9–1.3 20.2S–.30 178.0W–.20 550 3.7b 7 34-143
IDC X 09 06 42 07.9–10 20.27S 178.03W 570–114 4.0,3.0b **¶621235311**

ISC Event type se.
IDC Error ellipse: s-maj=57.8km s-min=40.2km az=76.0.
ISC X 10 07 47 06.5–.44 19.92S–.06 177.46W–.07 400 4.4b 136 5-150
GFZ X 10 07 47 04.2–.73 20S–4.0 178W–6.0 366–10 5.9b,5.5 **¶621144145**
NEIC X 10 07 47 05.4–.96 19.9S–.10 177.6W–.10 372–10 4.3b,5.5
IDC X 10 07 47 10.2–1.6 19.92S 177.82W 419–16 4.3,3.4b
ISC Event type se.
GFZ Error ellipse: s-maj=12.9km s-min=8.5km az=94.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=16.1km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=12.0km az=150.0.
ISC X 09 15 45 17.4–.39 17.85S–.08 178.22W–.07 650 4.2b 204 4-158
GFZ X 09 15 45 15.5–.28 18S–5.0 178W–4.0 639–5 4.3,4.2b **¶621144028**
NEIC X 09 15 45 16.4–1.8 17.9S–.10 178.2W–.20 631–8 4.4b,4.2b
IDC X 09 15 45 18.1–.90 17.78S 178.44W 641–9 4.3,3.3b
ISC Event type se.
GFZ Error ellipse: s-maj=10.8km s-min=9.2km az=17.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=16.6km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=11.4km az=131.0.
ISC X 10 00 59 34.2–2.3 17.6S–.80 178.7W–.50 650 3.2b 10 3-147
IDC X 10 00 59 34.6–2.8 17.51S 178.77W 652–21 3.5,2.6b **¶621235361**
ISC Event type se.
IDC Error ellipse: s-maj=128.1km s-min=21.3km az=149.0.
ISC X 09 17 41 41.9–1.9 20.5S–.30 178.1W–.30 600 3.5b 8 5-143
IDC X 09 17 41 43.3–2.7 20.38S 178.23W 618–26 3.7,2.7b **¶621235338**
ISC Event type se.
IDC Error ellipse: s-maj=47.7km s-min=37.6km az=7.0.
IDC X 10 12 46 21.4–4.3 19.76S 176.41W 200–40 3.8,3.8s
¶621235386
IDC Error ellipse: s-maj=38.1km s-min=21.6km az=147.0.
ISC X 12 08 03 54.0–1.3 18.3S–.50 177.8W–.30 600 3.5b 9 4-127
IDC X 12 08 03 53.3–2.0 18.36S 177.80W 585–18 3.8,2.8b **¶621236930**
ISC Event type se.
IDC Error ellipse: s-maj=84.3km s-min=17.6km az=151.0.
ISC X 12 00 04 45.2–.39 17.84S–.08 178.54W–.07 550 4.2b 144 3-158
NEIC X 12 00 04 46.0–.78 17.9S–.10 178.6W–.10 552–7 4.3b **¶621236914**
IDC X 12 00 04 46.9–.81 17.84S 178.71W 562–8 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=13.9km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.9km s-min=11.0km az=135.0.
ISC X 10 15 43 40.7–.32 17.85S–.06 178.49W–.06 579 4.4b 332 3-175
BGR X 10 15 42 39.3 17.99S 177.39W 33 4.4b **¶621144272**
NEIC X 10 15 43 39.6–1.2 17.9S–.10 178.4W–.10 563–5 4.4b
GFZ X 10 15 43 39.4–.47 18S–6.0 178W–9.0 566–13 5.4,4.5b
IDC X 10 15 43 41.7–.90 17.79S 178.63W 576–9 4.6,3.7b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=13.4km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=20.1km s-min=11.1km az=62.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=14.1km s-min=10.9km az=111.0.
ISC X 11 07 17 29.0–.62 21.56S–.08 178.2W–.10 412 3.7b 36 5-151
IDC X 11 07 17 29.4–2.3 21.63S 178.20W 413–23 4.0,3.2b **¶621236865**
NEIC X 11 07 17 29.8–.52 21.6S–.20 178.1W–.10 419–9 4.1b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 11 19 10 49.3–.53 16.88S–.09 176.82E–.08 10 4.2b,3.8s 50 1-148
IDC X 11 19 10 47.6–.75 16.86S 176.70E 0 4.0b,4.0 **¶621236899**
NEIC X 11 19 10 49.2–2.5 16.84S–.10 176.81E–.05 10–1 4.7b,4.0
GCMT X 11 19 10 52.9–.30 16.57S–.02 176.76E–.02 23–1 4.9W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110111910A. Moment Tensor Solution. s30,c32; s92,c119; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.17 $M_{\theta\theta}$0.35±.15; $M_{\phi\phi}$0.33±.12; $M_{r\theta}$0.53±.20; $M_{\theta\phi}$2.89±.10; $M_{\phi r}$-0.07±.16; Best double couple: NP1:ϕ_s1.00000°,δ78.00000°,λ-175.00000°. NP2:ϕ_s269.00000°,δ85.00000°,λ-12.00000°. Principal axes: T 3.2590,Plg5.0000°,Azm315.0000°; N -0.6170,Plg77.0000°,Azm66.0000°; P -2.6420,Plg12.0000°,Azm224.0000° $M_0$2.95100×10^{16}
ISC X 10 21 26 28.3–.80 17.7S–.20 177.9W–.10 600 4.1b 19 4-147
NEIC X 10 21 26 29.6–.86 17.8S–.10 177.8W–.20 612–16 4.6b **¶621235406**
IDC X 10 21 26 30.5–23 17.63S 178.47W 560–227 3.8,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=11.8km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=314.5km s-min=74.4km az=136.0.
ISC X 12 13 10 19.5–.80 18.7S–.10 177.6W–.10 600 4.0b 30 4-81
IDC X 12 13 10 19.9–1.6 18.59S 177.65W 616–24 4.0,3.0b **¶621236954**
NEIC X 12 13 10 20.5–1.2 18.7S–.20 177.5W–.20 619–13 4.1b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 21 11 27.3–.77 14.6S–.20 178.1W–.20 400 3.5b 15 5-145
IDC X 12 21 11 26.0–2.7 14.76S 177.94W 380–24 4.1,3.4b **¶621236971**
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=22.5km az=95.0.
ISC X 13 07 15 27.0–.57 18.05S–.10 178.37W–.10 650 4.1b 57 3-148
NEIC X 13 07 15 26.6–1.6 18.2S–.10 178.3W–.10 635–5 4.2b **¶621238957**
IDC X 13 07 15 27.0–.92 18.11S 178.39W 642–10 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=12.7km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.1km s-min=13.1km az=133.0.
IDC X 14 03 39 00.8–2.4 16.64S 178.65W 638–23 3.5,2.5b
¶621240616
IDC Error ellipse: s-maj=284.3km s-min=31.6km az=159.0.
IDC X 13 09 42 42.3–48 16.04S 176.85W 0 4.0b,4.0
¶621238961
IDC Error ellipse: s-maj=898.7km s-min=172.9km az=77.0.
ISC X 15 21 30 02.8–.67 21.6S–.10 178.8W–.10 602 4.3b 61 5-151
NEIC X 15 21 30 02.0–1.0 21.50S–.07 178.8W–.10 589–8 4.3b **¶621242086**
IDC X 15 21 30 03.1–2.4 21.57S 178.91W 595–22 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=10.0km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.1km s-min=22.9km az=136.0.
ISC X 15 04 46 02.8–.59 15.1S–.10 177.8W–.10 379 4.0b 34 1-145
IDC X 15 04 46 02.1–2.2 14.96S 177.87W 374–22 4.3,3.5b **¶621242036**
NEIC X 15 04 46 03.8–.99 15.0S–.20 177.8W–.10 391–4 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 15 01 51 16.6–2.3 18.11S 178.19W 558–22 3.8,2.9b
¶621242023
IDC Error ellipse: s-maj=42.0km s-min=29.3km az=142.0.
IDC X 15 02 02 56.3–26 19.32S 178.14W 592–242 4.4,3.4b
¶621242024
IDC Error ellipse: s-maj=255.6km s-min=86.8km az=120.0.
ISC X 15 17 14 12.9–.41 19.85S–.06 177.76W–.07 400 4.4b 156 4-173
NEIC X 15 17 14 12.7–1.9 19.84S–.10 177.7W–.10 395–6 4.5b **¶621203275**
IDC X 15 17 14 13.1–1.1 19.88S 177.87W 398–10 4.6,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=13.2km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.0km s-min=9.7km az=112.0.
ISC X 16 00 38 55.0–1.5 14.8S–.50 177.7W–.40 400 3.3b 7 5-84
IDC X 16 00 38 55.9–2.7 15.05S 177.63W 414–30 4.0,3.2b **¶621242093**
ISC Event type se.
IDC Error ellipse: s-maj=96.1km s-min=24.3km az=149.0.
ISC X 16 10 56 48.4–.89 21.1S–.20 178.2W–.20 495 3.3b 14 5-151
IDC X 16 10 56 48.0–2.4 21.18S 178.13W 490–24 3.9,3.0b **¶621242117**
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=17.9km az=142.0.
ISC X 16 03 45 14.0–.61 15.5S–.10 177.0W–.10 400 3.9b 31 2-144
IDC X 16 03 45 14.9–1.3 15.37S 177.14W 418–14 3.9,3.1b **¶621242099**
NEIC X 16 03 45 15.4–1.9 15.5S–.10 177.1W–.10 411–9 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 20 06 31.5–1.5 19.9S–.30 177.2W–.20 550 4.0b 12 5-150
IDC X 16 20 06 32.0–2.3 19.99S 177.43W 538–19 4.3,3.4b **¶621242140**
ISC Event type se.
IDC Error ellipse: s-maj=48.6km s-min=21.1km az=140.0.
ISC X 16 08 20 59.5–.60 21.20S–.10 178.7W–.10 579 4.1b 65 5-151
NEIC X 16 08 20 59.7–.82 21.2S–.10 178.6W–.10 582–9 4.2b **¶621204573**
IDC X 16 08 20 59.9–1.7 21.12S 178.70W 580–17 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=7.1km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.4km s-min=15.7km az=107.0.
IDC X 18 05 28 23.1–10 19.23S 176.29W 277–78 3.9,3.2b
¶621244013
IDC Error ellipse: s-maj=199.6km s-min=26.9km az=149.0.
IDC X 17 03 11 13.5–7.7 21.57S 178.01W 0 4.0b,4.0
¶621242864
IDC Error ellipse: s-maj=195.2km s-min=37.8km az=30.0.
IDC X 17 03 42 39.0–5.1 20.21S 177.70W 524–40 3.8,2.9b
¶621242865
IDC Error ellipse: s-maj=118.8km s-min=24.4km az=148.0.
ISC X 17 12 59 08.7–.67 18.6S–.20 178.0W–.10 500 3.6b 40 4-151
IDC X 17 12 59 10.2–1.4 18.51S 178.02W 514–13 4.0,3.2b **¶621242887**
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=14.3km az=131.0.
ISC X 19 06 59 07.1–.71 20.7S–.10 178.2W–.10 550 3.7b 16 5-150
IDC X 19 06 59 07.2–1.6 20.74S 178.22W 550–17 4.2,3.2b **¶621244065**
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=16.3km az=145.0.
ISC X 18 15 29 31.3–.75 20.7S–.10 177.7W–.10 500 4.2b 28 5-143
NEIC X 18 15 29 32.3–.93 20.6S–.10 177.7W–.10 511–11 4.3b **¶621244034**
IDC X 18 15 29 32.6–5.9 20.72S 177.82W 515–48 4.1,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=13.6km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=163.1km s-min=27.6km az=154.0.
ISC X 19 00 45 00.0–.65 19.8S–.10 178.15W–.09 450 4.1b 43 4-149
NEIC X 19 00 44 59.6–1.9 19.8S–.10 178.1W–.10 437–10 4.2b **¶621244054**
IDC X 19 00 45 00.8–5.1 19.87S 178.20W 440–39 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=15.5km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=120.3km s-min=24.0km az=153.0.
IDC X 18 19 59 26.7–5.3 16.92S 178.17W 554–22 4.2,3.3b
¶621244043
IDC Error ellipse: s-maj=123.8km s-min=39.3km az=28.0.
IDC X 19 23 18 23.9–1.1 14.00S 176.64E 0 3.9b,3.9
¶621244104
IDC Error ellipse: s-maj=28.2km s-min=23.8km az=74.0.
ISC X 19 03 25 00.7–1.0 16.4S–.10 177.4W–.20 10 4.5b 26 5-74
IDC X 19 03 24 59.5–8.5 16.41S 177.37W 0 4.1b,4.1 **¶621244059**
NEIC X 19 03 25 01.2–1.5 16.4S–.10 177.3W–.10 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 19 10 18 19.0–.44 15.13S–.08 177.75W–.07 400 4.2b 91 1-148
GFZ X 19 10 18 18.9–.33 15S–5.0 178W–5.0 402–4 4.8b,4.5b **¶621213178**
NEIC X 19 10 18 19.1–.85 15.19S–.10 177.7W–.10 393–5 4.1b,4.5b
IDC X 19 10 18 21.2–1.7 15.26S 177.88W 418–17 4.2,3.4b
ISC Event type se.
GFZ Error ellipse: s-maj=12.0km s-min=8.7km az=142.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=12.5km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.3km s-min=11.8km az=140.0.
ISC X 19 11 05 08.8–1.4 17.5S–.60 178.8W–.30 600 3.6b 11 3-87
IDC X 19 11 05 09.8–1.9 17.40S 178.89W 610–18 4.1,3.2b **¶621244077**
ISC Event type se.
IDC Error ellipse: s-maj=79.8km s-min=16.1km az=150.0.
IDC X 20 11 03 12.8–4.8 19.59S 176.60W 0 3.5b,3.5
¶621246596
IDC Error ellipse: s-maj=334.5km s-min=33.6km az=154.0.
ISC X 20 05 04 38.1–.65 20.3S–.10 177.6W–.10 500 4.0b 18 5-150
IDC X 20 05 04 39.4–1.4 20.16S 177.63W 519–16 4.2,3.3b **¶621246587**
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=15.5km az=138.0.
ISC X 20 11 09 38.0–.65 20.30S–.10 177.50W–.10 500 3.7b 30 5-148
IDC X 20 11 09 39.8–1.6 20.31S 177.70W 511–17 4.3,3.3b **¶621246597**
NEIC X 20 11 09 40.4–1.4 20.1S–.20 177.6W–.20 533–20 4.0b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 20 07 51 34.9–1.3 20.2S–.20 178.2W–.20 569 3.6b 8 4-143
IDC X 20 07 51 33.3–2.2 20.24S 177.98W 544–23 4.0,3.1b **¶621246591**
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=24.8km az=66.0.
ISC X 20 16 00 57.7–2.0 21.6S–.20 179.4W–.30 600 3.7b 7 4-69
IDC X 20 16 00 58.1–2.5 21.23S 179.33W 624–25 4.0,2.9b **¶621246606**
ISC Event type se.
IDC Error ellipse: s-maj=61.4km s-min=35.1km az=27.0.
ISC X 20 16 35 11.3–.97 18.3S–.20 177.8W–.20 500 3.8b 7 4-72
IDC X 20 16 35 11.0–1.5 18.44S 177.76W 491–29 4.2,3.2b **¶621246609**
ISC Event type se.
IDC Error ellipse: s-maj=46.1km s-min=19.2km az=175.0.
IDC X 22 03 03 53.9–2.3 18.04S 178.20W 556–22 4.0,3.1b
¶621309309
IDC Error ellipse: s-maj=43.2km s-min=29.2km az=139.0.
ISC X 21 10 01 32.6–.93 17.8S–.30 178.2W–.20 590 3.7b 9 4-86
IDC X 21 10 01 32.7–1.4 17.85S 178.29W 588–17 4.2,3.2b **¶621261402**
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=20.3km az=156.0.
ISC X 22 14 21 03.8–.48 18.70S–.07 177.72W–.07 650 4.6b 203 4-146
NOU X 22 14 21 00.9 18.48S 177.38W 664 4.8b **¶621237001**

GFZ X 22 14 21 03.6–.30 19S–4.0 178W–5.0 658–5 5.0b,4.6
NEIC X 22 14 21 03.2–.77 18.6S–.10 177.6W–.10 655–10 4.5b,4.6
IDC X 22 14 21 04.4–1.1 18.82S 177.93W 634–14 4.6,3.6b
ISC Event type se.
NOU Fiji Islands Region.
GFZ Error ellipse: s-maj=10.3km s-min=7.6km az=102.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=16.3km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=14.5km az=114.0.
ISC X 21 22 55 29.6–.75 18.8S–.20 177.5W–.10 570 4.0b 23 4-86
NEIC X 21 22 55 30.6–1.3 18.8S–.20 177.7W–.10 570–14 4.4b **¶621261429**
IDC X 21 22 55 30.4–1.4 18.74S 177.72W 570–19 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.0km s-min=10.5km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.9km s-min=18.9km az=166.0.
ISC X 23 12 42 31.7–.60 18.0S–.10 178.3W–.10 600 4.0b 83 3-158
NEIC X 23 12 42 32.3–.85 17.9S–.10 178.3W–.10 602–8 4.2b **¶621309373**
IDC X 23 12 42 32.2–1.1 17.86S 178.32W 604–9 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=17.8km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.4km s-min=10.9km az=151.0.
ISC X 22 17 17 11.3–2.7 17.7S–.30 178.8W–.30 550 4.1b 25 3-72
NEIC X 22 17 17 07.3–.84 17.4S–.20 178.5W–.20 528–15 4.1b **¶621309334**
IDC X 22 17 17 11.2–3.5 17.30S 178.81W 560–20 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.8km s-min=26.7km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=87.0km s-min=31.0km az=25.0.
ISC X 23 10 12 28.0–.59 18.0S–.10 178.2W–.10 550 3.8b 37 4-151
IDC X 23 10 12 24.1–1.5 18.40S 177.71W 537–13 4.0,3.1b **¶621309368**
NEIC X 23 10 12 29.0–.76 18.2S–.10 178.2W–.10 543–9 4.0b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 24 11 23 00.8–.92 20.0S–.20 177.6W–.10 500 3.5b 9 5-90
IDC X 24 11 23 00.7–2.7 20.48S 177.80W 478–28 3.9,3.1b **¶621366388**
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=26.5km az=159.0.
IDC X 23 10 45 57.9–8.0 19.15S 179.02W 0 3.7b,3.7
¶621309372
IDC Error ellipse: s-maj=348.6km s-min=39.9km az=144.0.
ISC X 24 04 40 10.7–.53 17.7S–.10 178.29W–.10 550 4.0b 69 3-150
NEIC X 24 04 40 12.2–1.6 17.7S–.10 178.5W–.10 562–8 4.0b **¶621366375**
IDC X 24 04 40 13.1–1.2 17.57S 178.55W 582–11 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=18.4km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=16.9km az=125.0.
ISC X 24 08 56 03.0–.86 15.3S–.20 179.7W–.20 10 4.0b,3.5s 19 2-86
NEIC X 24 08 56 03.3–.65 15.5S–.20 179.5W–.10 10–1 4.1b,3.5s **¶621366381**
IDC X 24 08 56 06.2–.92 15.55S 179.88E 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=6.4km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.8km s-min=18.5km az=136.0.
ISC X 23 09 09 25.8–.87 17.8S–.20 177.4W–.10 10 4.2b 26 16-85
IDC X 23 09 09 25.7–2.5 17.52S 177.44W 0 4.1b,4.1 **¶621309365**
NEIC X 23 09 09 26.2–1.0 17.8S–.10 177.3W–.10 10–2 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 25 01 04 27.2–.63 17.6S–.20 178.7W–.10 600 4.3b 80 3-158
NEIC X 25 01 04 27.3–2.2 17.7S–.20 178.7W–.20 594–9 4.2b **¶621238365**
IDC X 25 01 04 28.4–1.5 17.52S 178.82W 609–18 4.6,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=15.3km az=136.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.3km s-min=15.0km az=144.0.
ISC X 24 08 18 03.1–.94 17.5S–.20 178.6W–.10 547 4.2b 31 3-73
NEIC X 24 08 18 03.8–.61 17.5S–.10 178.4W–.20 562–17 4.3b **¶621366380**
IDC X 24 08 18 05.2–3.3 17.37S 178.80W 563–19 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=16.1km az=65.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=76.2km s-min=32.2km az=23.0.
ISC X 24 15 07 30.2–.74 18.2S–.20 177.7W–.10 600 4.0b 26 4-72
NEIC X 24 15 07 30.4–.60 18.3S–.20 177.6W–.10 592–21 4.0b **¶621366401**
IDC X 24 15 07 30.1–1.1 18.15S 177.66W 597–28 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.4km s-min=17.0km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.6km s-min=18.8km az=2.0.
IDC X 25 12 23 12.2–2.2 17.49S 178.51W 618–21 3.6,2.6b
¶621366429
IDC Error ellipse: s-maj=43.2km s-min=33.5km az=157.0.
ISC X 25 04 26 47.7–.54 18.3S–.10 177.83W–.10 600 4.1b 86 4-151
NEIC X 25 04 26 48.6–1.6 18.3S–.10 177.8W–.20 610–7 4.2b **¶621366424**
IDC X 25 04 26 49.2–1.0 18.28S 177.93W 617–10 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=17.3km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=11.3km az=150.0.
IDC X 25 17 13 12.1–12 19.27S 178.74W 0 3.8b,3.8
¶621366441
IDC Error ellipse: s-maj=383.0km s-min=89.4km az=135.0.
IDC X 26 11 49 13.3–4.5 17.52S 178.95W 564–18 4.3,3.4b
¶621366472
IDC Error ellipse: s-maj=85.6km s-min=58.2km az=100.0.
ISC X 25 21 54 44.8–.69 17.8S–.10 178.7W–.10 579 4.1b 54 3-147
NEIC X 25 21 54 45.0–1.2 17.75S–.08 178.6W–.10 586–10 4.1b **¶621366447**
IDC X 25 21 54 45.0–1.7 17.77S 178.71W 578–18 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.9km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.9km s-min=15.6km az=151.0.
ISC X 26 12 55 52.3–1.1 20.9S–.20 177.1W–.20 10 3.6b 8 6-156
IDC X 26 12 55 51.0–1.3 20.89S 177.05W 0 3.6,3.5b **¶621366473**
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=27.8km az=146.0.
IDC X 27 05 45 23.3–6.2 17.03S 178.88W 620–25 3.7,2.7b
¶621385450
IDC Error ellipse: s-maj=296.1km s-min=32.0km az=143.0.
ISC X 27 01 35 50.0–.65 17.9S–.10 178.6W–.10 550 4.2b 77 3-150
NEIC X 27 01 35 51.4–1.6 18.0S–.10 178.6W–.20 562–8 4.2b **¶621241125**
IDC X 27 01 35 52.0–1.3 17.77S 178.77W 575–10 4.3,3.4b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=21.3km s-min=19.8km az=53.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.9km s-min=18.6km az=69.0.
IDC X 26 14 29 01.7–50 17.58S 178.13W 608–69 3.7,2.7b
¶621366478
IDC Error ellipse: s-maj=945.7km s-min=131.3km az=80.0.
ISC X 26 15 02 55.0–.80 17.5S–.20 178.8W–.10 600 4.0b 36 3-87
NEIC X 26 15 02 54.7–.81 17.4S–.20 178.8W–.20 593–12 4.2b **¶621366480**
IDC X 26 15 02 55.4–2.2 17.44S 178.88W 602–20 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=19.1km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=97.6km s-min=20.3km az=150.0.
IDC X 27 10 16 43.9–57 16.78S 177.18W 0 4.1b,4.1
¶621385456
IDC Error ellipse: s-maj=1054.0km s-min=163.2km az=78.0.
ISC X 27 10 36 31.1–1.1 18.0S–.20 177.8W–.20 590 3.4b 6 4-86
IDC X 27 10 36 32.5–2.0 17.97S 178.02W 611–23 3.8,2.8b **¶621385457**
ISC Event type se.
IDC Error ellipse: s-maj=38.1km s-min=24.9km az=118.0.
ISC X 28 14 24 05.6–.72 19.1S–.20 177.6W–.10 570 3.3b 14 4-90
IDC X 28 14 24 04.8–1.6 19.18S 177.58W 557–18 4.0,3.1b **¶621391397**
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=14.9km az=150.0.
IDC X 27 14 32 35.0–60 18.15S 177.97W 0 3.6b,3.6
¶621385469
IDC Error ellipse: s-maj=1108.0km s-min=175.7km az=80.0.
IDC X 29 08 23 53.6–3.6 17.61S 178.81W 567–21 3.8,2.9b
¶621391429
IDC Error ellipse: s-maj=93.8km s-min=39.4km az=23.0.
IDC X 29 08 36 55.4–5.1 17.88S 178.99W 555–29 3.8,2.9b
¶621391431
IDC Error ellipse: s-maj=156.0km s-min=38.4km az=26.0.
ISC X 29 11 57 39.2–.57 20.7S–.10 177.7W–.10 450 3.5b 27 5-150
IDC X 29 11 57 40.9–2.0 20.56S 177.85W 470–21 4.0,3.1b **¶621391438**
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=14.5km az=98.0.
ISC X 30 05 39 23.6–.60 17.0S–.10 176.69E–.08 35 4.3b,3.5s 28 2-145
IDC X 30 05 39 18.3–.76 16.94S 176.58E 0 4.1b,4.1 **¶621395153**
NEIC X 30 05 39 20.1–1.9 16.9S–.10 176.82E–.09 10–1 4.5b,4.1
GCMT X 30 05 39 23.0–.40 16.59S–.02 176.62E–.02 17–2 4.8W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110300539A. Moment Tensor Solution. s11,c13; s73,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.21±.10 $M_{\theta\theta}$-0.87±.10; $M_{\phi\phi}$0.66±.08; $M_{r\theta}$0.74±.26; $M_{\theta\phi}$1.49±.07; $M_{\phi r}$-0.75±.24; Best double couple: NP1:ϕ_s253.00000°,δ64.00000°,λ-8.00000°. NP2:ϕ_s347.00000°,δ83.00000°,λ-154.00000°. Principal axes: T 1.6280,Plg13.0000°,Azm118.0000°; N 0.5870,Plg63.0000°,Azm1.0000°; P -2.2150,Plg23.0000°,Azm213.0000° $M_0$1.92100×10^{16}
ISC X 29 09 53 07.0–.60 19.96S–.09 177.43W–.09 550 4.0b 43 5-148
NEIC X 29 09 53 08.2–.91 19.9S–.10 177.5W–.10 554–8 4.0b **¶621391434**
IDC X 29 09 53 08.3–1.4 19.84S 177.60W 563–16 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=19.6km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.4km s-min=20.0km az=18.0.
ISC X 29 17 22 01.9–.81 21.6S–.10 176.5W–.10 400 4.2b 55 6-152
IDC X 29 17 22 00.9–5.8 22.03S 176.48W 395–41 4.3,3.4b **¶621391453**
NEIC X 29 17 22 02.8–1.6 21.43S–.09 176.6W–.20 406–6 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 30 21 15 07.3–2.7 21.19S 178.45W 476–29 3.9,3.1b
¶621395201
IDC Error ellipse: s-maj=46.8km s-min=30.8km az=31.0.
ISC X 30 06 59 30.1–.53 20.40S–.09 177.54W–.09 500 4.0b 48 5-150
NEIC X 30 06 59 30.0–.90 20.5S–.10 177.5W–.20 505–10 4.2b **¶621395156**
IDC X 30 06 59 32.8–2.0 20.51S 177.79W 523–21 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=18.2km az=118.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.4km s-min=15.9km az=107.0.
ISC X 30 08 05 18.6–.27 19.62S–.03 177.54W–.03 381–2 5.5b 1477 5-165
BJI X 30 08 05 17.6 19.24S 177.26W 373 5.2b,5.1b **¶621630081**
MOS X 30 08 05 18.7–1.1 19.55S 177.69W 383 5.5b,5.1b
GFZ X 30 08 05 18.9 19.60S 177.70W 405 5.5W,5.1b
GFZ X 30 08 05 18.9–.36 20S–2.0 178W–2.0 370–3 5.8b,5.6
IDC X 30 08 05 19.5–.62 19.58S 177.72W 383–4 5.6,4.9b
NEIC X 30 08 05 19.5–1.6 19.62S–.09 177.64W–.10 381–4 5.5,5.5b
NEIC X 30 08 05 19.3 19.62S 177.64W 378 5.5,5.5b
NEIC X 30 08 05 19.8 19.58S 177.65W 382 5.5,5.5b
NOU X 30 08 05 19.6 19.54S 177.64W 390 5.6b,5.5b
GCMT X 30 08 05 22.8–.20 19.60S–.02 177.71W–.02 394–1 5.6W,5.5b
NEIC X 30 08 05 23.2 19.58S 177.65W 380 5.5,5.5b
ISC Event type se.
MOS Error ellipse: s-maj=8.8km s-min=6.6km az=122.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.59 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$0.49 $M_{r\theta}$-1.19 $M_{\theta\phi}$-0.85 $M_{\phi r}$0.77 NP1:ϕ_s286.03716°,δ77.76035°,λ129.44540°. NP2:ϕ_s30.48668°,δ41.00284°,λ18.85201°. Principal axes: T 1.9943,Plg43.1213°,Azm234.0251°; N -0.2125,Plg38.3820°,Azm96.1431°; P -1.7818,Plg22.5649°,Azm346.9264° $M_0$1.89702×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=8.3km s-min=7.4km az=91.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=12.4km az=119.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$0.13 $M_{r\theta}$-1.94 $M_{\theta\phi}$-0.23 $M_{\phi r}$0.93 NP1:ϕ_s290.33000°,δ78.04000°,λ104.87000°. NP2:ϕ_s58.31000°,δ19.00000°,λ39.54000°. Principal axes: T 2.5151,Plg55.0000°,Azm219.0000°; N -0.1955,Plg15.0000°,Azm107.0000°; P -2.3196,Plg31.0000°,Azm8.0000° $M_0$2.42000×10^{17}
NEIC Event type se.
NEIC Event type se.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110300805A. Moment Tensor Solution. s126,c220;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.03 $M_{\theta\theta}$-1.70±.05; $M_{\phi\phi}$0.95±.05; $M_{r\theta}$-1.99±.04; $M_{\theta\phi}$-0.85±.05; $M_{\phi r}$0.84±.05; Best double couple: NP1:ϕ_s34.00000°,δ34.00000°,λ17.00000°. NP2:ϕ_s290.00000°,δ80.00000°,λ123.00000°. Principal axes: T 2.6460,Plg45.0000°,Azm233.0000°; N 0.1970,Plg33.0000°,Azm104.0000°; P -2.8450,Plg28.0000°,Azm354.0000° $M_0$2.74500×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.45 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$0.79 $M_{r\theta}$-1.64 $M_{\theta\phi}$-0.71 $M_{\phi r}$0.76 NP1:ϕ_s32.01000°,δ33.83000°,λ12.63000°. NP2:ϕ_s291.46000°,δ83.01000°,λ123.18000°. Principal axes: T 2.1950,Plg42.0000°,Azm233.0000°; N 0.0570,Plg33.0000°,Azm107.0000°; P -2.2519,Plg30.0000°,Azm355.0000° $M_0$2.22000×10^{17}
ISC X 30 09 49 55.7–.68 17.8S–.20 178.6W–.10 550 4.0b 32 3-86
NEIC X 30 09 49 56.5–1.1 17.7S–.10 178.5W–.10 565–8 4.1b **¶621395168**
IDC X 30 09 49 58.1–1.3 17.64S 178.93W 568–10 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=16.8km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.0km s-min=19.1km az=138.0.

IDC X 30 10 40 58.0–2.5 17.71S 178.74W 563–22 3.7,2.8b ¶621395171
IDC Error ellipse: s-maj=41.1km s-min=29.7km az=112.0.
ISC X 30 22 49 12.6–1.4 20.2S–.20 178.1W–.20 500 3.8b 14 4-150
IDC X 30 22 49 14.1–2.5 20.02S 178.23W 515–22 4.1,3.3b ¶621395205
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=29.5km az=136.0.
ISC XI 02 01 33 36.1–.70 17.6S–.20 179.6W–.20 650 4.0b 30 2-87
NEIC XI 02 01 33 34.6–.99 17.70S–.10 179.4W–.20 633–10 4.1b ¶621401317
IDC XI 02 01 33 35.6–1.5 17.68S 179.61W 637–18 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=14.4km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.2km s-min=16.7km az=154.0.
ISC XI 01 19 01 39.2–.50 18.1S–.10 177.94W–.09 500 4.2b 109 4-151
NEIC XI 01 19 01 39.8–1.8 18.09S–.08 178.0W–.10 508–6 4.3b ¶621401294
IDC XI 01 19 01 42.1–1.3 18.18S 178.23W 527–11 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=10.9km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.4km s-min=14.9km az=106.0.
IDC X 31 01 52 38.9–7.0 19.26S 178.69W 577–51 3.6,2.8b ¶621395215
IDC Error ellipse: s-maj=257.3km s-min=65.7km az=156.0.
IDC X 31 02 34 00.4–2.1 16.83S 179.15W 593–20 3.7,2.7b ¶621395218
IDC Error ellipse: s-maj=181.0km s-min=22.1km az=156.0.
ISC X 31 23 47 49.4–.37 17.91S–.08 178.40W–.07 579 4.4b 241 3-152
NEIC X 31 23 47 49.7–1.4 17.94S–.09 178.46W–.07 570–7 4.4b ¶621244911
GFZ X 31 23 47 50.1–.32 18S–4.0 179W–4.0 581–4 5.0b,4.5b
IDC X 31 23 47 51.4–.81 17.93S 178.60W 595–8 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.6km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.5km s-min=6.5km az=144.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=14.9km s-min=10.5km az=133.0.
ISC XI 02 10 51 08.0–.86 15.6S–.30 176.1W–.10 400 3.5b 8 5-83
IDC XI 02 10 51 07.2–1.1 15.61S 176.25W 379–17 3.9,3.2b ¶621401339
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=17.8km az=156.0.
ISC XI 03 01 19 22.6–.34 20.75S–.07 178.53W–.07 579 4.6b 326 4-153
NEIC XI 03 01 19 22.8–1.5 20.8S–.10 178.5W–.10 576–3 4.8b ¶621883466
GFZ XI 03 01 19 24.4–.38 21S–4.0 179W–5.0 596–5 5.0b,4.7b
IDC XI 03 01 19 25.4–1.3 20.80S 178.72W 603–14 4.7,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=13.7km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.5km s-min=8.9km az=129.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=13.5km s-min=10.5km az=145.0.
ISC XI 03 18 25 34.1–.80 17.6S–.10 178.6W–.10 547 4.2b 38 3-146
NEIC XI 03 18 25 33.5–1.5 17.8S–.10 178.6W–.10 521–9 4.2b ¶621412255
IDC XI 03 18 25 36.0–3.3 17.55S 178.78W 556–20 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=17.5km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=81.9km s-min=31.2km az=24.0.
ISC XI 04 11 18 52.4–.71 17.5S–.20 178.9W–.10 539 4.1b 43 3-148
NEIC XI 04 11 18 51.7–1.9 17.5S–.20 178.8W–.20 524–5 4.2b ¶621412294
IDC XI 04 11 18 51.8–1.1 17.49S 178.90W 528–9 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=17.7km az=139.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=16.5km az=141.0.
IDC XI 03 19 53 53.4–28 18.34S 177.57W 551–267 3.6,2.7b ¶621412259
IDC Error ellipse: s-maj=379.3km s-min=79.3km az=136.0.
ISC XI 04 00 50 41.6–3.0 17.9S–.60 178.5W–.50 600 3.4b 8 3-148
IDC XI 04 00 50 40.3–3.8 17.98S 178.34W 585–22 4.0,3.0b ¶621412267
ISC Event type se.
IDC Error ellipse: s-maj=105.6km s-min=24.3km az=138.0.
ISC XI 05 14 19 01.0–.72 17.8S–.20 177.9W–.10 450 3.5b 12 4-86
IDC XI 05 14 19 01.0–1.4 17.97S 177.90W 446–18 4.0,3.1b ¶621413976
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=13.4km az=169.0.
IDC XI 05 01 55 58.4–6.7 19.05S 177.82W 610–47 3.9,3.0b ¶621413953
IDC Error ellipse: s-maj=240.8km s-min=26.3km az=151.0.
IDC XI 05 14 47 44.0–5.7 16.51S 178.28W 558–24 3.6,2.7b ¶621413977
IDC Error ellipse: s-maj=266.9km s-min=30.0km az=142.0.
ISC XI 06 12 48 49.8–.66 21.4S–.10 179.0W–.20 550 3.3b 38 5-172
IDC XI 06 12 48 49.8–2.0 21.35S 178.99W 544–22 3.8,2.9b ¶621415980
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=17.6km az=135.0.
IDC XI 05 16 41 46.8–72 21.63S 179.99W 0 3.5b,3.5 ¶621413979
IDC Error ellipse: s-maj=1286.0km s-min=171.7km az=84.0.
ISC XI 06 07 12 36.3–.45 19.90S–.07 177.59W–.08 550 4.0b 100 5-150
NEIC XI 06 07 12 36.5–1.2 19.8S–.10 177.5W–.20 558–10 4.1b ¶621370936
IDC XI 06 07 12 39.5–1.3 19.78S 177.83W 578–12 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=17.1km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.2km s-min=10.9km az=153.0.
ISC XI 08 13 30 41.2–.62 18.3S–.10 178.35W–.10 600 4.1b 52 3-148
IDC XI 08 13 30 41.5–1.8 18.20S 178.39W 604–16 4.3,3.4b ¶621423101
NEIC XI 08 13 30 41.6–1.0 18.28S–.05 178.3W–.10 604–9 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 06 22 52 21.5–.37 18.05S–.07 177.89W–.08 590 4.2b 252 4-158
NEIC XI 06 22 52 22.6–1.9 18.1S–.10 177.9W–.10 601–7 4.3b ¶621372230
IDC XI 06 22 52 24.6–.91 18.10S 178.04W 624–10 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=15.1km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.6km s-min=10.0km az=108.0.
ISC XI 07 03 22 40.9–1.3 14.4S–.30 179.6W–.30 400 3.6b 8 4-86
IDC XI 07 03 22 42.4–2.4 15.06S 179.22W 436–31 4.2,3.4b ¶621416014
ISC Event type se.
IDC Error ellipse: s-maj=90.5km s-min=21.4km az=147.0.
IDC XI 07 03 50 26.6–5.6 18.94S 176.19W 0 3.7b,3.7 ¶621416016
IDC Error ellipse: s-maj=254.7km s-min=37.0km az=144.0.
IDC XI 07 04 03 45.8–4.7 18.50S 176.78W 0 3.7b,3.7 ¶621416018
IDC Error ellipse: s-maj=208.4km s-min=35.6km az=139.0.
ISC XI 07 22 42 12.9–.57 21.0S–.10 178.60W–.10 579 4.0b 56 5-151
NEIC XI 07 22 42 12.9–1.9 21.0S–.10 178.5W–.10 583–8 4.2b ¶621416054
IDC XI 07 22 42 13.4–1.5 21.04S 178.66W 585–16 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=18.5km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.8km s-min=16.1km az=153.0.
ISC XI 08 08 10 09.0–.88 16.2S–.20 176.3W–.10 382 3.4b 8 5-84
IDC XI 08 08 10 08.7–1.2 16.20S 176.30W 381–16 4.0,3.3b ¶621423088
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=16.4km az=146.0.
ISC XI 06 18 27 30.3–.46 19.39S–.07 177.41W–.07 550 3.9b 66 5-149
NEIC XI 06 18 27 31.6–1.9 19.3S–.10 177.33W–.08 568–7 4.0b ¶621415996
IDC XI 06 18 27 33.3–1.3 19.26S 177.72W 573–12 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.4km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=15.8km az=118.0.
IDC XI 10 05 10 26.3–2.7 15.34S 177.84W 434–34 3.8,3.0b ¶621440043
IDC Error ellipse: s-maj=167.4km s-min=25.0km az=148.0.
ISC XI 09 12 08 21.5–.59 18.2S–.10 178.57W–.10 600 3.8b 54 3-151
NEIC XI 09 12 08 17.6–1.0 18.3S–.10 178.1W–.10 554–6 4.0b ¶621423153
IDC XI 09 12 08 19.9–1.3 18.16S 178.30W 580–11 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=11.5km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.4km s-min=17.5km az=131.0.
ISC XI 09 01 34 23.1–.90 17.4S–.10 178.7W–.20 600 4.1b 22 3-147
NEIC XI 09 01 34 23.3–1.6 17.4S–.10 178.6W–.10 599–10 4.2b ¶621423129
IDC XI 09 01 34 23.6–5.9 17.47S 178.71W 600–20 3.8,2.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=5.9km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=247.3km s-min=27.0km az=144.0.
ISC XI 09 19 33 27.2–2.5 18.2S–.30 178.1W–.30 590 4.2b 27 4-72
IDC XI 09 19 33 27.4–3.1 17.98S 178.11W 604–22 4.4,3.5b ¶621423167
NEIC XI 09 19 33 27.2–.88 18.1S–.30 178.1W–.20 590–18 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 13 05 59.8–.74 17.4S–.20 179.0W–.10 550 4.0b 42 3-88
IDC XI 09 13 06 01.8–2.0 17.38S 178.99W 572–18 4.0,3.1b ¶621423158
NEIC XI 09 13 06 02.1–1.8 17.4S–.20 179.1W–.10 579–8 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 10 17 30 48.3–23 20.21S 176.51W 494–110 3.7,3.0b ¶621440071
IDC Error ellipse: s-maj=393.3km s-min=55.2km az=125.0.
ISC XI 10 01 27 17.7–.48 16.65S–.08 176.91E–.08 14 4.4b,3.8s 57 2-174
IDC XI 10 01 27 15.2–.73 16.61S 176.76E 0 4.2b,4.1 ¶621440039
NEIC XI 10 01 27 17.4–1.5 16.65S–.10 176.99E–.08 10–1 4.6b,4.1
GCMT XI 10 01 27 21.7–.30 16.55S–.02 176.84E–.02 20–1 4.8W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111100127A. Moment Tensor Solution. s14,c15; s89,c116; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.24±.12 $M_{\theta\theta}$-0.08±.10; $M_{\phi\phi}$0.31±.08; $M_{r\theta}$-0.04±.17; $M_{\theta\phi}$2.18±.08; $M_{\phi r}$0.50±.16; Best double couple: NP1:ϕ_s87.00000°,δ77.00000°,λ-2.00000°. NP2:ϕ_s178.00000°,δ88.00000°,λ-167.00000°. Principal axes: T 2.3550,Plg8.0000°,Azm312.0000°; N -0.2150,Plg77.0000°,Azm187.0000°; P -2.1390,Plg11.0000°,Azm43.0000° $M_0$2.24700×10^{16}
ISC XI 10 23 12 52.9–1.2 17.6S–.50 178.7W–.30 600 3.7b 11 3-147
IDC XI 10 23 12 52.8–1.5 17.50S 178.78W 586–16 4.3,3.4b ¶621440085
ISC Event type se.
IDC Error ellipse: s-maj=74.3km s-min=14.0km az=152.0.
ISC XI 11 23 09 22.3–.89 17.3S–.30 178.8W–.20 550 3.3b 10 3-147
IDC XI 11 23 09 23.3–1.3 17.34S 178.96W 562–12 3.7,2.9b ¶621449538
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=21.6km az=146.0.
IDC XI 11 10 46 07.8–9.2 19.83S 179.42W 613–39 3.6,2.8b ¶621449522
IDC Error ellipse: s-maj=269.5km s-min=30.4km az=143.0.
ISC XI 11 06 10 05.0–.49 19.94S–.08 178.02W–.10 450 4.0b 57 4-150
NEIC XI 11 06 10 03.8–1.8 20.04S–.08 178.0W–.10 425–5 4.2b ¶621449508
IDC XI 11 06 10 05.9–1.8 19.85S 178.02W 451–18 4.1,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.7km az=67.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=13.0km az=144.0.
ISC XI 12 14 12 56.2–.88 18.6S–.20 177.6W–.20 550 3.4b 10 4-86
IDC XI 12 14 12 58.4–2.1 18.45S 177.88W 576–22 3.8,2.9b ¶621460212
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=20.1km az=151.0.
IDC XI 12 00 31 37.4–54 17.01S 176.11W 656–39 3.9,2.9b ¶621460190
IDC Error ellipse: s-maj=922.2km s-min=145.7km az=79.0.
ISC XI 12 08 09 51.1–.61 20.5S–.10 177.94W–.09 534 3.9b 37 5-148
NEIC XI 12 08 09 51.1–1.1 20.5S–.20 177.9W–.20 532–10 4.1b ¶621460204
IDC XI 12 08 09 52.5–1.4 20.39S 178.04W 548–14 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=21.6km az=160.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.6km s-min=12.5km az=153.0.
ISC XI 11 21 28 02.6–.57 16.3S–.10 177.27W–.08 400 4.2b 38 2-144
NEIC XI 11 21 28 04.1–1.1 16.3S–.10 177.2W–.10 421–5 4.4b ¶621449537
IDC XI 11 21 28 04.2–1.0 16.19S 177.29W 432–12 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=15.4km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.9km s-min=12.6km az=161.0.
ISC XI 12 11 08 12.5–1.2 14.8S–.30 179.2W–.30 10 4.1b,3.5s 7 4-87
IDC XI 12 11 08 11.0–1.2 14.82S 179.18W 0 4.0b,3.9 ¶621460205
ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=22.2km az=136.0.
IDC XI 12 14 24 22.4–56 18.50S 178.81W 0 3.6b,3.6 ¶621460213
IDC Error ellipse: s-maj=1018.0km s-min=163.4km az=80.0.
ISC XI 13 03 18 54.2–.30 20.67S–.04 177.65W–.04 505–3 5.0b 1051 5-172
NOU XI 13 03 18 52.4 20.79S 177.52W 492 5.1b ¶621402627
BJI XI 13 03 18 53.2 20.40S 177.21W 508 5.1b,5.0b
GFZ XI 13 03 18 54.9 20.58S 177.76W 485 5.1W,5.0b
GFZ XI 13 03 18 54.6–.46 21S–7.0 178W–4.0 505–6 5.5b,5.3b
NEIC XI 13 03 18 55.4–2.3 20.60S–.09 177.73W–.10 505–5 4.9b,5.3b
IDC XI 13 03 18 55.1–.58 20.59S 177.74W 504–6 5.4,4.6b
GCMT XI 13 03 18 57.0–.20 20.59S–.02 177.78W–.02 505–1 5.2W,4.6b
ISC Event type se.
NOU Fiji Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-5.21 $M_{\theta\theta}$1.06 $M_{\phi\phi}$4.15 $M_{r\theta}$-2.65 $M_{\theta\phi}$2.23 $M_{\phi r}$-2.14 NP1: ϕ_s195.86789°,δ30.72930°,λ-110.97583°. NP2:ϕ_s39.90490°,δ61.50249°,λ-77.98681°. Principal axes: T 6.2008,Plg15.6909°,Azm121.1115°; N 0.1448,Plg10.5398°,Azm214.1075°; P -6.3455,Plg70.9436°,Azm336.6979° $M_0$6.27440×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202111130318A. Moment Tensor Solution. s97,c140;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72±.02 $M_{\theta\theta}$0.17±.04; $M_{\phi\phi}$0.54±.04; $M_{r\theta}$-0.32±.04; $M_{\theta\phi}$0.18±.03; $M_{\phi r}$-0.59±.04; Best double couple: NP1:ϕ_s199.00000°,δ23.00000°,λ-97.00000°. NP2:ϕ_s26.00000°,δ68.00000°,λ-87.00000°. Principal axes: T 0.9000,Plg22.0000°,Azm114.0000° ; N 0.1040,Plg3.0000°,Azm205.0000°; P -1.0040,Plg67.0000°,Azm302.0000° $M_0$0.95200×10^{17}

IDC	**XI**	**13 04 52 53.3–1.3**	**15.03S**	**176.27W**	**0**	**3.7,3.6L**			**¶621468584**
IDC	Error ellipse: s-maj=120.3km s-min=17.6km az=166.0.								
ISC	**XI**	**13 10 19 29.6–.58**	**14.7S–.20**	**176.14W–.06**	**10**	**4.3b,3.9s**	**33**	**2-145**	
NEIC	XI	13 10 19 29.9–2.0	14.6S–.20	176.17W–.05	10–1	4.4b,3.9s			**¶621468592**
IDC	XI	13 10 19 30.2–.69	15.65S	176.04W	0	4.0b,4.0			
GCMT	XI	13 10 19 35.2–.30	15.20S–.02	176.06W–.01	14–1	4.7W,4.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111131019A. Moment Tensor Solution. s18,c20; s91,c120; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.09±.06 $M_{\theta\theta}$-0.05±.06; $M_{\phi\phi}$0.14±.05; $M_{r\theta}$-0.20±.13; $M_{\theta\phi}$1.58±.06; $M_{\phi r}$-0.35±.15; Best double couple: NP1:ϕ_s269.00000°,δ78.00000°,λ6.00000°. NP2:ϕ_s178.00000°,δ84.00000°,λ168.00000°. Principal axes: T 1.7150,Plg12.0000°,Azm133.0000°; N -0.1700,Plg77.0000°,Azm331.0000° ; P -1.5450,Plg4.0000°,Azm224.0000° $M_0$1.63000×10^{16}								
IDC	**XI**	**13 10 30 34.4–1.0**	**15.26S**	**176.07W**	**0**	**3.7b,3.7**			**¶621468594**
IDC	Error ellipse: s-maj=51.6km s-min=18.7km az=158.0.								
IDC	**XI**	**13 13 35 35.8–2.9**	**15.24S**	**176.11W**	**0**	**3.9s,3.7b**			**¶621468603**
IDC	Error ellipse: s-maj=272.4km s-min=27.4km az=154.0.								
ISC	**XI**	**13 11 17 15.4–.53**	**15.2S–.10**	**176.08W–.06**	**10**	**4.1b,3.9s**	**32**	**2-148**	
NEIC	XI	13 11 17 14.8–.53	15.1S–.10	176.06W–.06	10–1	4.4b,3.9s			**¶621468596**
IDC	XI	13 11 17 15.2–.69	15.16S	176.25W	0	3.9b,3.9			
GCMT	XI	13 11 17 20.5–.30	15.24S–.02	176.09W–.02	12	4.7W,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111131117A. Moment Tensor Solution. s16,c17; s85,c102; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.30±.05 $M_{\theta\theta}$1.54±.06; $M_{\phi\phi}$-1.24±.04; $M_{r\theta}$-0.58±.15; $M_{\theta\phi}$0.65±.04; $M_{\phi r}$-0.26±.14; Best double couple: NP1:ϕ_s304.00000°,δ73.00000°,λ6.00000°. NP2:ϕ_s212.00000°,δ84.00000°,λ163.00000°. Principal axes: T 1.8650,Plg16.0000°,Azm167.0000°; N -0.4600,Plg72.0000°,Azm13.0000° ; P -1.4010,Plg8.0000°,Azm259.0000° $M_0$1.63300×10^{16}								
ISC	**XI**	**13 23 27 07.6–.46**	**20.88S–.09**	**178.5W–.10**	**550**	**4.1b**	**71**	**7-151**	
NEIC	XI	13 23 27 06.8–1.9	20.9S–.10	178.5W–.20	539–7	4.1b			**¶621468622**
IDC	XI	13 23 27 06.8–2.1	20.71S	178.57W	539–23	4.0,3.1b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=21.4km s-min=16.1km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=23.5km s-min=14.9km az=142.0.								
ISC	**XI**	**13 15 50 54.7–.88**	**18.0S–.20**	**177.9W–.20**	**590**	**3.6b**	**8**	**4-86**	
IDC	XI	13 15 50 55.3–1.5	17.90S	177.94W	603–18	3.7,2.7b			**¶621468608**
ISC	Event type se.								
IDC	Error ellipse: s-maj=41.9km s-min=19.1km az=156.0.								
ISC	**XI**	**15 05 45 10.6–1.0**	**18.5S–.20**	**176.5W–.20**	**350**	**3.4b**	**7**	**5-72**	
IDC	XI	15 05 45 10.8–2.2	18.47S	176.50W	353–34	3.9,3.2b			**¶621475598**
ISC	Event type se.								
IDC	Error ellipse: s-maj=57.9km s-min=21.6km az=166.0.								
IDC	**XI**	**14 06 34 39.3–3.1**	**14.52S**	**176.63W**	**0**	**3.7b,3.7**			**¶621468650**
IDC	Error ellipse: s-maj=341.9km s-min=33.0km az=152.0.								
IDC	**XI**	**14 07 02 35.7–7.9**	**17.50S**	**176.43W**	**0**	**3.7b,3.7**			**¶621468652**
IDC	Error ellipse: s-maj=405.6km s-min=55.6km az=146.0.								
ISC	**XI**	**14 19 55 37.0–.82**	**17.9S–.30**	**178.0W–.20**	**590**	**3.9b**	**10**	**4-148**	
IDC	XI	14 19 55 38.9–1.9	17.82S	178.23W	610–21	4.2,3.3b			**¶621468736**
ISC	Event type se.								
IDC	Error ellipse: s-maj=38.6km s-min=20.5km az=148.0.								
ISC	**XI**	**14 04 04 05.7–.48**	**14.76S–.10**	**176.42W–.08**	**17**	**4.6b,4.1s**	**82**	**2-148**	
IDC	XI	14 04 04 00.8–.62	15.18S	176.03W	0	4.1b,4.1			**¶621402878**
GFZ	XI	14 04 04 05.3–.49	15S–9.0	176W–5.0	10	5.4b,4.9			
NEIC	XI	14 04 04 06.1–1.5	14.5S–.20	176.6W–.10	10–1	4.7b,4.9			
GCMT	XI	14 04 04 09.8–.30	15.13S–.01	176.06W–.02	15–1	4.9W,4.9			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111140404A. Moment Tensor Solution. s20,c25; s107,c140; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.99±.11 $M_{\theta\theta}$3.20±.12; $M_{\phi\phi}$-2.20±.07; $M_{r\theta}$-0.77±.20; $M_{\theta\phi}$0.64±.08; $M_{\phi r}$-0.07±.16; Best double couple: NP1:ϕ_s218.00000°,δ82.00000°,λ174.00000°. NP2:ϕ_s309.00000°,δ84.00000°,λ8.00000°. Principal axes: T 3.4110,Plg10.0000°,Azm173.0000°; N -1.1300,Plg80.0000°,Azm346.0000° ; P -2.2750,Plg1.0000°,Azm83.0000° $M_0$2.84300×10^{16}								
ISC	**XI**	**14 01 40 40.0–.59**	**15.0S–.10**	**176.29W–.10**	**10**	**4.4b,3.9s**	**36**	**2-145**	
IDC	XI	14 01 40 37.8–.63	15.26S	176.07W	0	4.1b,4.1			**¶621468631**
NEIC	XI	14 01 40 41.3–2.0	14.9S–.10	176.45W–.07	10–1	4.6b,4.1			
GCMT	XI	14 01 40 43.4–.40	15.03S–.02	175.94W–.02	16–1	4.8W,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111140140A. Moment Tensor Solution. s12,c13; s81,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50±.09 $M_{\theta\theta}$1.97±.11; $M_{\phi\phi}$-1.47±.08; $M_{r\theta}$0.17±.28; $M_{\theta\phi}$1.00±.08; $M_{\phi r}$-0.07±.24; Best double couple: NP1:ϕ_s30.00000°,δ84.00000°,λ-179.00000°. NP2:ϕ_s300.00000°,δ89.00000°,λ-6.00000°. Principal axes: T 2.2480,Plg3.0000°,Azm345.0000°; N -0.5020,Plg84.0000°,Azm107.0000° ; P -1.7490,Plg5.0000°,Azm255.0000° $M_0$1.99800×10^{16}								
ISC	**XI**	**14 22 53 19.7–.49**	**20.9S–.10**	**178.47W–.10**	**579**	**4.0b**	**76**	**5-150**	
NEIC	XI	14 22 53 19.6–2.5	21.0S–.10	178.5W–.20	568–7	4.1b			**¶621468752**
IDC	XI	14 22 53 21.8–1.8	20.86S	178.70W	595–19	4.2,3.2b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=21.3km s-min=15.1km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=19.6km s-min=14.7km az=136.0.								
ISC	**XI**	**15 09 37 43.7–.53**	**19.1S–.10**	**177.49W–.09**	**570**	**3.8b**	**46**	**4-144**	
NEIC	XI	15 09 37 43.6–1.5	19.3S–.10	177.5W–.10	559–8	4.1b			**¶621475622**
IDC	XI	15 09 37 44.8–1.3	19.23S	177.59W	577–15	4.1,3.1b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=22.0km s-min=16.8km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=19.4km s-min=14.0km az=152.0.								
ISC	**XI**	**15 06 39 11.1–.56**	**17.9S–.10**	**177.93W–.09**	**650**	**3.9b**	**54**	**4-148**	
NEIC	XI	15 06 39 10.7–1.5	18.0S–.10	177.85W–.10	633–8	4.0b			**¶621475605**
IDC	XI	15 06 39 11.3–1.2	18.08S	178.06W	633–15	4.3,3.3b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=17.3km s-min=13.3km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=18.7km s-min=14.6km az=147.0.								
ISC	**XI**	**16 01 26 20.5–.78**	**15.4S–.20**	**177.7W–.20**	**400**	**3.8b**	**30**	**1-148**	
NEIC	XI	16 01 26 22.2–.79	15.4S–.20	177.8W–.10	417–8	4.2b			**¶621475655**
IDC	XI	16 01 26 23.0–1.9	15.53S	177.82W	434–21	3.9,3.1b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=24.4km s-min=14.3km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=101.0km s-min=20.7km az=152.0.								
ISC	**XI**	**15 08 18 04.7–.91**	**20.5S–.20**	**177.9W–.10**	**500**	**3.9b**	**12**	**5-89**	
IDC	XI	15 08 18 03.8–2.3	20.59S	177.80W	490–25	4.1,3.2b			**¶621475613**
ISC	Event type se.								
IDC	Error ellipse: s-maj=25.5km s-min=18.0km az=153.0.								
ISC	**XI**	**15 13 14 08.9–.46**	**18.18S–.09**	**177.71W–.08**	**550**	**4.2b**	**60**	**4-148**	
NEIC	XI	15 13 14 06.8–1.2	18.3S–.10	177.7W–.10	512–7	4.3b			**¶621475632**
IDC	XI	15 13 14 10.8–1.9	18.19S	177.99W	553–19	4.3,3.3b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=18.1km s-min=15.2km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=23.1km s-min=18.0km az=155.0.								
ISC	**XI**	**17 11 26 08.3–.89**	**17.5S–.30**	**179.0W–.20**	**539**	**3.4b**	**9**	**3-87**	
IDC	XI	17 11 26 08.6–1.7	17.52S	179.02W	542–19	3.8,3.0b			**¶621494205**
ISC	Event type se.								
IDC	Error ellipse: s-maj=34.4km s-min=18.7km az=144.0.								
ISC	**XI**	**17 03 44 46.4–1.7**	**20.1S–.20**	**177.2W–.20**	**10**	**4.4b**	**21**	**15-89**	
IDC	XI	17 03 44 44.4–2.3	19.99S	177.17W	0	4.1b,4.1			**¶621494190**
NEIC	XI	17 03 44 46.0–1.4	20.1S–.20	177.1W–.10	10–1	4.6b,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XI**	**17 14 18 36.7–.74**	**17.9S–.20**	**177.9W–.10**	**650**	**3.7b**	**17**	**4-148**	
IDC	XI	17 14 18 36.1–1.1	18.06S	177.79W	636–11	4.2,3.2b			**¶621494210**
ISC	Event type se.								
IDC	Error ellipse: s-maj=23.8km s-min=13.6km az=145.0.								
ISC	**XI**	**17 14 22 04.9–.33**	**16.10S–.06**	**176.23W–.05**	**360**	**4.3b**	**249**	**3-149**	
NOU	XI	17 14 22 04.4	16.71S	175.94W	363	4.7b			**¶621414059**
IDC	XI	17 14 22 05.5–1.3	15.95S	176.40W	355–14	4.3,3.5b			
GFZ	XI	17 14 22 06.1–.24	16S–4.0	176W–4.0	393	5.0b,4.5b			
NEIC	XI	17 14 22 06.6–.96	16.1S–.10	176.24W–.09	371–6	4.3b,4.5b			
ISC	Event type se.								
NOU	Tonga Islands.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XI**	**18 06 20 49.5–.97**	**18.2S–.20**	**178.1W–.20**	**550**	**3.5b**	**8**	**4-87**	
IDC	XI	18 06 20 50.2–1.9	18.15S	178.18W	556–21	3.9,3.0b			**¶621532467**
ISC	Event type se.								
IDC	Error ellipse: s-maj=25.5km s-min=19.4km az=103.0.								
ISC	**XI**	**17 18 40 58.4–1.3**	**18.0S–.20**	**178.3W–.20**	**579**	**4.0b**	**26**	**3-86**	
NEIC	XI	17 18 40 57.5–1.0	18.0S–.20	178.2W–.20	564–12	4.1b			**¶621494226**
IDC	XI	17 18 40 58.5–3.2	17.92S	178.38W	570–20	4.1,3.2b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=32.3km s-min=20.3km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=77.5km s-min=24.5km az=134.0.								
ISC	**XI**	**17 14 44 09.6–1.3**	**20.1S–.20**	**178.4W–.30**	**602**	**3.3b**	**7**	**4-88**	
IDC	XI	17 14 44 09.7–2.0	20.06S	178.37W	602–23	3.8,2.8b			**¶621494211**
ISC	Event type se.								
IDC	Error ellipse: s-maj=30.7km s-min=23.3km az=68.0.								
IDC	**XI**	**17 16 29 31.0–3.8**	**18.17S**	**178.26W**	**582–21**	**3.8,2.9b**			**¶621494220**
IDC	Error ellipse: s-maj=97.2km s-min=28.6km az=137.0.								
ISC	**XI**	**17 23 03 46.5–.79**	**21.8S–.20**	**178.7W–.10**	**550**	**3.4b**	**12**	**5-148**	
IDC	XI	17 23 03 47.4–1.8	21.71S	178.68W	567–20	4.0,2.8b			**¶621494238**
ISC	Event type se.								
IDC	Error ellipse: s-maj=32.0km s-min=16.5km az=169.0.								
ISC	**XI**	**18 20 59 41.1–.39**	**19.80S–.07**	**177.77W–.07**	**450**	**4.5b**	**254**	**4-152**	
GFZ	XI	18 20 59 40.8–.35	20S–4.0	178W–4.0	466–5	5.2b,4.7			**¶621416140**
IDC	XI	18 20 59 43.2–1.5	19.82S	177.85W	472–16	4.5,3.6b			
NEIC	XI	18 20 59 43.5–2.0	19.8S–.10	177.8W–.10	480–1	4.4b,3.6b			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XI**	**18 15 40 43.9–.53**	**18.11S–.09**	**178.31W–.10**	**500**	**4.7b**	**52**	**3-156**	
NEIC	XI	18 15 40 43.2–1.2	18.23S–.08	178.3W–.10	486–7	4.7b			**¶621532483**
IDC	XI	18 15 40 44.2–1.9	18.21S	178.37W	497–21	4.3,3.5b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=19.3km s-min=8.2km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=23.2km s-min=22.0km az=167.0.								
ISC	**XI**	**18 09 35 19.2–.49**	**17.91S–.08**	**178.54W–.09**	**579**	**4.2b**	**74**	**3-148**	
NEIC	XI	18 09 35 17.9–2.2	17.9S–.10	178.4W–.10	555–8	4.3b			**¶621532474**
IDC	XI	18 09 35 20.4–1.0	17.78S	178.75W	579–10	4.4,3.5b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=17.7km s-min=15.4km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=21.4km s-min=13.5km az=132.0.								
IDC	**XI**	**21 02 17 24.2–5.7**	**18.72S**	**178.39W**	**570–23**	**3.6,2.7b**			**¶621608889**
IDC	Error ellipse: s-maj=120.7km s-min=42.2km az=122.0.								
ISC	**XI**	**18 23 25 44.8–.58**	**18.4S–.10**	**177.8W–.10**	**600**	**3.7b**	**28**	**4-148**	
IDC	XI	18 23 25 45.1–1.1	18.42S	177.83W	599–11	4.1,3.2b			**¶621532510**
ISC	Event type se.								
IDC	Error ellipse: s-maj=19.4km s-min=12.6km az=153.0.								
IDC	**XI**	**19 09 37 44.5–3.0**	**20.60S**	**177.68W**	**475–31**	**3.6,2.8b**			**¶621590276**
IDC	Error ellipse: s-maj=36.6km s-min=32.8km az=175.0.								
IDC	**XI**	**19 10 06 12.5–9.1**	**19.25S**	**179.26W**	**633–32**	**3.4,2.5b**			**¶621590279**
IDC	Error ellipse: s-maj=294.0km s-min=32.4km az=143.0.								
ISC	**XI**	**19 20 45 29.2–1.0**	**17.2S–.20**	**179.4W–.20**	**550**	**4.3b**	**44**	**2-149**	
NEIC	XI	19 20 45 29.1–1.1	17.2S–.20	179.5W–.20	540–5	4.3b			**¶621427711**
IDC	XI	19 20 45 30.1–2.4	17.38S	179.32W	566–17	4.4,3.5b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=35.7km s-min=18.5km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=60.3km s-min=28.9km az=141.0.								
ISC	**XI**	**19 02 52 56.9–.50**	**18.10S–.09**	**176.38W–.09**	**10**	**4.5b,3.9s**	**57**	**4-148**	
IDC	XI	19 02 52 56.0–.63	18.01S	176.60W	0	4.1b,4.1			**¶621590264**
NEIC	XI	19 02 52 57.4–1.4	18.1S–.10	176.36W–.09	10–1	4.9b,4.1			
GCMT	XI	19 02 53 01.0–.30	18.01S–.02	176.37W–.02	24–1	4.8W,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111190253A. Moment Tensor Solution. s20,c21; s84,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.40±.15 $M_{\theta\theta}$-1.67±.11; $M_{\phi\phi}$2.06±.11; $M_{r\theta}$0.17±.16; $M_{\theta\phi}$0.79±.08; $M_{\phi r}$0.35±.13; Best double couple: NP1:ϕ_s326.00000°,δ81.00000°,λ177.00000°. NP2:ϕ_s57.00000°,δ87.00000°,λ9.00000°. Principal axes: T 2.2720,Plg8.0000°,Azm282.0000°; N -0.4410,Plg81.0000°,Azm74.0000°; P -1.8370,Plg4.0000°,Azm191.0000° $M_0$2.05500×10^{16}								
IDC	**XI**	**19 04 14 57.4–2.6**	**17.22S**	**176.49W**	**0**	**3.7b,3.7**			**¶621590266**
IDC	Error ellipse: s-maj=73.2km s-min=51.1km az=27.0.								
ISC	**XI**	**20 09 42 00.3–.96**	**19.6S–.10**	**177.8W–.20**	**550**	**4.1b**	**35**	**4-149**	
IDC	XI	20 09 42 00.9–2.4	19.32S	177.69W	575–22	4.0,3.1b			**¶621590349**

NEIC XI 20 09 42 01.2–1.2 19.6S–.10 177.7W–.10 563–10 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 18 22 24 15.9–1.2 15.3S–.50 176.2W–.20 350 3.5b 6 5-144
IDC XI 18 22 24 14.6–2.7 16.52S 175.64W 374–19 3.9,3.1b **¶621532506**
ISC Event type se.
IDC Error ellipse: s-maj=139.6km s-min=20.2km az=148.0.
ISC XI 20 12 02 04.8–.86 21.61S–.09 178.7W–.10 450 3.9b 64 5-151
IDC XI 20 12 02 04.8–1.9 21.59S 178.54W 468–21 4.2,3.2b **¶621590355**
NEIC XI 20 12 02 06.8–1.9 21.8S–.10 178.8W–.20 461–17 4.0b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 21 13 58 37.4–7.7 21.00S 177.61W 0 4.2b,4.2
¶621608920
IDC Error ellipse: s-maj=198.5km s-min=38.9km az=30.0.
IDC XI 21 12 13 23.4–6.9 19.48S 179.02W 0 3.6b,3.5
¶621608918
IDC Error ellipse: s-maj=375.6km s-min=40.4km az=149.0.
ISC XI 21 08 15 54.9–.90 18.2S–.20 178.0W–.20 590 3.4b 10 4-148
IDC XI 21 08 15 56.4–1.6 18.11S 178.22W 608–14 3.8,2.8b **¶621608905**
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=20.2km az=147.0.
ISC XI 22 02 45 21.4–.29 17.90S–.05 178.60W–.05 579 4.6b 528 3-158
NEIC XI 22 02 45 19.1–2.1 17.92S–.09 178.6W–.10 541–5 4.6b **¶621883571**
NOU XI 22 02 45 21.3 17.85S 178.73W 563 5.0b
GFZ XI 22 02 45 21.8–.43 18S–5.0 179W–6.0 569–4 5.3b,4.9b
IDC XI 22 02 45 22.0–.73 17.91S 178.72W 573–7 4.9,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.7km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=10.7km s-min=9.2km az=132.0.
IDC XI 21 11 24 17.9–4.0 18.17S 178.25W 582–23 3.6,2.6b
¶621608913
IDC Error ellipse: s-maj=94.2km s-min=39.8km az=33.0.
ISC XI 21 22 11 43.9–.33 16.88S–.06 175.25E–.05 10 4.8b,4.5s 255 3-157
IDC XI 21 22 11 41.4–.52 16.89S 175.16E 0 4.4,4.4s **¶621428016**
BJI XI 21 22 11 43.2 16.57S 175.71E 21 5.5b,5.0s
NEIC XI 21 22 11 44.7–1.7 16.88S–.09 175.35E–.04 10–1 4.9b,5.0s
GFZ XI 21 22 11 44.7–.20 17S–5.0 175E–3.0 10 6.0b,5.6
NOU XI 21 22 11 45.1 16.67S 175.36E 36 5.0b,5.6
GCMT XI 21 22 11 47.3–.10 16.93S–.01 175.19E–.01 16–0 5.3W,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111212211B. Moment Tensor Solution. s102,c167; s151,c283;Duration: 1⇕1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.01 $M_{\theta\theta}$-0.29±.01; $M_{\phi\phi}$0.45±.01; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$1.00±.01; $M_{\phi r}$0.01±.03; Best double couple: NP1: ϕ_s170.00000°,δ87.00000°,λ-178.00000°. NP2:ϕ_s80.00000°,δ88.00000°,λ-3.00000°. Principal axes: T 1.1480,Plg1.0000°,Azm125.0000°; N -0.1620,Plg87.0000°,Azm229.0000° ; P -0.9860,Plg3.0000°,Azm35.0000° $M_0$1.06700×10^{17}
ISC XI 22 04 22 32.4–.56 16.74S–.09 175.23E–.08 35 4.4b,3.5s 34 3-148
IDC XI 22 04 22 27.3–.76 16.78S 175.14E 0 4.2b,4.2 **¶621611890**
NEIC XI 22 04 22 29.3–1.7 16.7S–.10 175.27E–.05 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 21 23 10 40.4–1.1 20.3S–.20 178.5W–.20 587 3.8b 10 4-150
IDC XI 21 23 10 40.2–2.3 20.35S 178.56W 577–21 4.1,3.2b **¶621608936**
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=24.8km az=134.0.
ISC XI 22 19 03 42.8–.38 18.03S–.06 178.16W–.07 590 4.3b 154 4-158
NEIC XI 22 19 03 41.0–1.8 18.1S–.10 178.1W–.10 563–7 4.3b **¶621448726**
NOU XI 22 19 03 42.6 18.09S 178.31W 583 4.7b
GFZ XI 22 19 03 43.3–.42 18S–5.0 178W–6.0 579–5 4.9b,4.4b
IDC XI 22 19 03 44.0–1.3 17.93S 178.45W 584–14 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=14.5km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GFZ Error ellipse: s-maj=14.1km s-min=10.0km az=123.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=16.0km s-min=9.6km az=141.0.
IDC XI 22 08 26 53.0–2.0 16.04S 178.65W 0 4.0b,4.0
¶621611896
IDC Error ellipse: s-maj=159.0km s-min=23.9km az=150.0.
ISC XI 23 17 47 56.0–.35 21.03S–.06 177.89W–.07 495 4.3b 262 5-153
NEIC XI 23 17 47 54.8–1.2 21.02S–.07 177.9W–.10 475–6 4.4b **¶621449567**
IDC XI 23 17 47 57.1–1.9 21.14S 178.16W 494–19 4.4,3.6b
GFZ XI 23 17 47 58.1–.60 21S–4.0 178W–5.0 501–6 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 22 14 39 20.5–.93 21.9S–.10 179.6W–.10 592 4.1b 33 5-151
IDC XI 22 14 39 20.7–2.4 21.84S 179.61W 599–37 3.9,2.8b **¶621611917**
NEIC XI 22 14 39 21.2–.76 21.9S–.10 179.5W–.20 603–11 4.3b,2.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 22 15 44 12.8–.31 14.99S–.06 177.69W–.05 372 4.5b 277 1-155
GFZ XI 22 15 44 12.9–.39 15S–5.0 178W–5.0 373–4 5.3b,4.8 **¶621440152**
IDC XI 22 15 44 12.7–.90 14.96S 177.78W 372–9 4.6,3.9b
NEIC XI 22 15 44 13.3–1.4 14.96S–.07 177.63W–.07 369–4 4.5b,3.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 22 17 10 33.2–.32 18.03S–.04 178.24W–.04 571–3 4.8b 863 4-159
BGR XI 22 17 10 31.9 18.62S 179.14W 560 4.8b **¶621883574**
BJI XI 22 17 10 32.4 17.67S 177.80W 575 5.3b,5.0b
NOU XI 22 17 10 32.1 17.86S 178.08W 582 5.1b,5.0b
NEIC XI 22 17 10 33.0–2.0 18.14S–.09 178.29W–.10 560–6 4.8b,5.0b
GFZ XI 22 17 10 34.5–.35 18S–4.0 178W–3.0 573–4 5.3b,4.8b
IDC XI 22 17 10 35.2–.70 18.03S 178.42W 586–7 5.2,4.3b
GCMT XI 22 17 10 36.6–.30 18.06S–.06 178.26W–.03 571–2 5.2W,4.3b
ISC Event type ke.
BGR Event type ke.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202111221710A. Moment Tensor Solution. s67,c87;Duration: 1⇕0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.44±.28 $M_{\theta\theta}$-1.19±.57; $M_{\phi\phi}$4.63±.42; $M_{r\theta}$-4.90±.43; $M_{\theta\phi}$-5.11±.35; $M_{\phi r}$-1.54±.46; Best double couple: NP1:ϕ_s5.00000°,δ55.00000°,λ-29.00000°. NP2:ϕ_s113.00000° ,δ67.00000°,λ-142.00000°. Principal axes: T 7.7420,Plg7.0000°,Azm237.0000° ; N 1.1180,Plg46.0000°,Azm139.0000°; P -8.8600,Plg43.0000°,Azm334.0000° $M_0$8.30100×10^{16}
IDC XI 22 20 49 58.7–8.2 16.86S 175.92E 0 4.1L,4.1
¶621611928
IDC Error ellipse: s-maj=199.6km s-min=72.6km az=124.0.
ISC XI 24 01 32 20.0–1.1 16.7S–.20 175.32E–.08 35 3.8b,3.4s 8 3-145
IDC XI 24 01 32 15.5–1.2 16.78S 175.22E 0 3.7b,3.7 **¶621613954**
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=15.3km az=1.0.
IDC XI 23 20 41 37.9–6.6 20.76S 177.65W 545–37 3.8,2.9b
¶621611979
IDC Error ellipse: s-maj=119.2km s-min=36.7km az=130.0.
ISC XI 25 09 50 54.9–.85 17.9S–.20 178.6W–.20 600 3.6b 13 3-148
IDC XI 25 09 50 55.9–1.8 17.95S 178.60W 610–19 4.0,3.1b **¶621618688**
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=15.8km az=151.0.
ISC XI 24 09 58 16.4–.84 17.6S–.20 175.1E–.10 35 3.8b 9 3-145
IDC XI 24 09 58 11.3–.90 17.49S 175.05E 0 3.9b,3.8 **¶621613971**
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=16.4km az=165.0.
IDC XI 24 17 21 20.5–6.2 18.80S 178.50W 597–51 3.4,2.5b
¶621613999
IDC Error ellipse: s-maj=305.8km s-min=30.0km az=158.0.
ISC XI 24 17 51 23.1–.51 20.79S–.08 178.61W–.08 579 3.8b 49 4-150
NEIC XI 24 17 51 20.1–2.0 20.81S–.09 178.4W–.10 542–9 4.3b **¶621614000**
IDC XI 24 17 51 23.6–1.3 20.84S 178.53W 581–16 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=9.8km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=13.2km az=105.0.
IDC XI 25 07 38 14.5–3.2 17.30S 178.63W 554–19 4.1,3.1b
¶621618687
IDC Error ellipse: s-maj=64.3km s-min=38.4km az=29.0.
ISC XI 24 04 29 02.5–.32 16.79S–.06 175.18E–.05 10 4.8b,4.8s 293 3-173
IDC XI 24 04 29 00.8–.56 16.88S 175.09E 0 4.7s,4.5b **¶621452744**
NEIC XI 24 04 29 01.9–1.2 16.69S–.09 175.18E–.07 10–1 5.4,5.2b
BJI XI 24 04 29 02.8 16.20S 175.33E 7 5.4b,5.2s
GFZ XI 24 04 29 02.9–.23 17S–5.0 175E–3.0 10 5.9b,5.5
GCMT XI 24 04 29 05.2–.10 16.91S–.01 175.17E–.01 16–0 5.4W,5.5
NOU XI 24 04 29 12.1 17.02S 174.74E 54 4.8b,5.5
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=12.6km az=5.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.4km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240429A. Moment Tensor Solution. s96,c144; s151,c302;Duration: 1⇕2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.02 $M_{\theta\theta}$-0.28±.02; $M_{\phi\phi}$0.35±.02; $M_{r\theta}$-0.05±.06; $M_{\theta\phi}$1.54±.02; $M_{\phi r}$0.16±.06; Best double couple: NP1:ϕ_s84.00000° ,δ84.00000°,λ-2.00000°. NP2:ϕ_s174.00000°,δ88.00000°,λ-174.00000°. Principal axes: T 1.6110,Plg3.0000°,Azm309.0000°; N -0.0590,Plg84.0000°,Azm190.0000° ; P -1.5520,Plg5.0000°,Azm39.0000° $M_0$1.58200×10^{17}
NOU Fiji Islands Region.
ISC XI 24 05 53 48.5–.25 16.93S–.04 175.28E–.04 10 5.2s,5.1b 607 3-157
BJI XI 24 05 53 46.6 16.52S 175.68E 9 5.6b,5.4s **¶621452749**
MOS XI 24 05 53 47.3–1.5 16.99S 175.17E 12 5.5b,5.1s
IDC XI 24 05 53 47.2–.46 16.95S 175.02E 0 5.0s,4.6b
GFZ XI 24 05 53 48.3–.20 17S–5.0 175E–3.0 10 5.8,5.8b
NEIC XI 24 05 53 48.1–1.5 16.96S–.04 175.22E–.02 10–1 5.6,5.5b
NEIC XI 24 05 53 48.1 16.96S 175.22E 10 5.6,5.5b
GFZ XI 24 05 53 48.3 16.95S 175.17E 15 5.6W,5.5b
BGR XI 24 05 53 50.9 17.80S 176.58E 33 5.0s,5.5b
PTWC XI 24 05 53 51 16.90S 175.20E 5.8,5.5b
NOU XI 24 05 53 51.3 16.85S 175.24E 32 5.2b,5.5b
GCMT XI 24 05 53 53.8–.10 16.89S–.01 175.16E–.01 16–0 5.6W,5.5b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.78 $M_{\theta\phi}$3.21 $M_{\phi r}$-0.17 NP1:ϕ_s4.28000°,δ76.12000°,λ-177.29000°. NP2:ϕ_s273.63000°,δ87.37000° ,λ-13.89000°. Principal axes: T 3.3862,Plg8.0000°,Azm320.0000°; N -0.0883,Plg76.0000° ,Azm83.0000°; P -3.2980,Plg12.0000°,Azm228.0000° $M_0$3.34000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.44 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$0.98 $M_{r\theta}$0.74 $M_{\theta\phi}$2.74 $M_{\phi r}$0.08 NP1: ϕ_s352.57485°,δ74.57774°,λ-176.30834°. NP2:ϕ_s261.59186°,δ86.44144°,λ-15.45279°. Principal axes: T 3.1402,Plg8.2882°,Azm308.0615°; N -0.3839,Plg74.1525°,Azm68.9371° ; P -2.7562,Plg13.4108°,Azm216.0711° $M_0$2.96690×10^{17}
BGR Event type ke.
PTWC FIJI REGION.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240553A. Moment Tensor Solution. s124,c237; s161,c338;Duration: 1⇕5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.03 $M_{\theta\theta}$-0.90±.03; $M_{\phi\phi}$0.99±.03; $M_{r\theta}$-0.12±.09; $M_{\theta\phi}$2.97±.03; $M_{\phi r}$0.08±.09; Best double couple: NP1: ϕ_s171.00000°,δ88.00000°,λ-178.00000°. NP2:ϕ_s81.00000°,δ88.00000°,λ-2.00000°. Principal axes: T 3.1630,Plg0.0000°,Azm126.0000°; N -0.0840,Plg87.0000°,Azm217.0000° ; P -3.0790,Plg3.0000°,Azm36.0000° $M_0$3.12100×10^{17}
ISC XI 24 03 50 44.0–.48 18.0S–.10 178.38W–.09 579 4.2b 79 3-148
NEIC XI 24 03 50 44.7–1.4 17.82S–.08 178.5W–.10 577–8 4.2b **¶621613959**
IDC XI 24 03 50 46.6–1.2 17.81S 178.74W 597–12 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.0km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.5km s-min=14.4km az=144.0.
ISC XI 24 04 17 54.4–.31 16.92S–.06 175.32E–.05 10 5.0b,4.9s 352 3-147
IDC XI 24 04 17 50.8–.53 16.88S 175.09E 0 4.8s,4.5b **¶621452743**
MOS XI 24 04 17 52.2–1.8 16.88S 175.24E 10 5.4b,4.5b
NEIC XI 24 04 17 52.7–1.6 16.81S–.09 175.29E–.06 10–1 5.3b,5.3
BJI XI 24 04 17 53.8 16.30S 175.41E 6 5.6b,5.2s
GFZ XI 24 04 17 55.0 17.04S 175.22E 22 5.4W,5.2s
GFZ XI 24 04 17 55.3–.28 17S–6.0 175E–4.0 10 5.7b,5.6
NOU XI 24 04 17 56.0 16.93S 175.37E 29 5.0b,5.6
GCMT XI 24 04 17 56.8–.10 16.92S–.01 175.16E–.01 15–0 5.3W,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.29 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$0.89 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.86 $M_{\phi r}$-0.54 NP1: ϕ_s152.12942°,δ77.24559°,λ158.19945°. NP2:ϕ_s247.17584°,δ68.76382°,λ13.70106°. Principal axes: T 1.4300,Plg24.3452°,Azm108.2346°; N 0.0807,Plg64.9005°,Azm303.2327° ; P -1.5108,Plg5.7400°,Azm200.8414° $M_0$1.47205×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240417A. Moment Tensor Solution. s98,c164; s146,c263;Duration: 1⇕1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.02 $M_{\theta\theta}$-0.37±.02; $M_{\phi\phi}$0.37±.02; $M_{r\theta}$-0.05±.05; $M_{\theta\phi}$1.11±.02; $M_{\phi r}$-0.10±.05; Best double couple: NP1: ϕ_s261.00000°,δ85.00000°,λ3.00000°. NP2:ϕ_s171.00000°,δ87.00000°,λ175.00000°. Principal axes: T 1.1850,Plg5.0000°,Azm126.0000°; N -0.0180,Plg84.0000°,Azm317.0000° ; P -1.1680,Plg1.0000°,Azm216.0000° $M_0$1.17600×10^{17}
ISC XI 26 01 33 54.8–.71 18.4S–.20 177.8W–.10 650 3.9b 42 4-148
NEIC XI 26 01 33 53.9–1.4 18.6S–.20 177.68W–.10 628–7 4.4b **¶621621973**

IDC XI 26 01 33 54.8–1.6 18.23S 177.96W 636–15 4.1,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=9.4km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=65.6km s-min=13.0km az=153.0.
ISC XI 25 12 17 44.9–.76 20.3S–.20 178.1W–.10 600 3.6b 13 4-147
IDC XI 25 12 17 44.1–1.5 20.37S 178.28W 581–17 4.1,3.1b **¶621618693**
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=19.1km az=131.0.
IDC XI 25 06 41 27.6–2.2 17.25S 178.89W 568–19 3.9,2.9b
¶621618681
IDC Error ellipse: s-maj=120.5km s-min=21.5km az=153.0.
ISC XI 25 14 06 51.4–.33 17.94S–.07 178.34W–.05 600 4.5b 304 3-150
NOU XI 25 14 06 39.8 17.75S 177.46W 539 4.8b **¶621468768**
NEIC XI 25 14 06 52.2–2.3 18.0S–.10 178.4W–.10 603–7 4.4b
GFZ XI 25 14 06 53.5–.37 18S–7.0 178W–4.0 617–4 4.9b,4.6b
IDC XI 25 14 06 53.1–.86 17.93S 178.49W 616–8 4.7,3.8b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.9km az=136.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=15.1km s-min=6.9km az=156.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.3km s-min=10.4km az=143.0.
IDC XI 26 01 34 34.0–2.7 18.58S 177.47W 642–29 3.9,3.0b
¶621621976
IDC Error ellipse: s-maj=41.0km s-min=34.7km az=158.0.
IDC XI 26 03 14 16.9–5.1 17.67S 179.73W 574–20 3.5,2.6b
¶621621980
IDC Error ellipse: s-maj=367.0km s-min=30.7km az=154.0.
IDC XI 26 09 15 37.3–3.8 17.41S 179.20W 582–20 3.8,2.9b
¶621621992
IDC Error ellipse: s-maj=149.8km s-min=30.1km az=140.0.
ISC XI 26 12 43 27.5–.83 17.9S–.20 178.6W–.10 600 3.6b 15 3-145
IDC XI 26 12 43 28.3–1.1 17.83S 178.67W 610–11 4.3,3.3b **¶621622001**
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=14.5km az=154.0.
ISC XI 26 07 36 42.9–.39 18.93S–.07 177.69W–.06 600 4.2b 124 4-151
GFZ XI 26 07 36 41.9–.29 19S–4.0 178W–5.0 604–5 5.8,5.7 **¶621469761**
NEIC XI 26 07 36 43.1–1.6 18.9S–.10 177.60W–.09 596–7 4.3b,5.7
IDC XI 26 07 36 43.9–1.3 18.87S 177.78W 602–15 4.5,3.6b
ISC Event type se.
GFZ Error ellipse: s-maj=10.8km s-min=8.7km az=57.5. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=12.5km az=173.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=11.3km az=171.0.
ISC XI 27 11 33 22.0–1.3 18.8S–.20 178.2W–.20 500 3.7b 8 4-86
IDC XI 27 11 33 21.4–2.2 18.81S 178.27W 492–23 4.1,3.2b **¶621625119**
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=25.8km az=170.0.
ISC XI 26 19 19 16.0–.65 20.27S–.10 177.5W–.10 500 4.0b 55 5-150
IDC XI 26 19 19 09.9–6.9 20.00S 177.51W 428–69 4.0,3.2b **¶621622025**
NEIC XI 26 19 19 16.6–1.9 20.2S–.10 177.5W–.20 505–8 4.1b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 26 19 20 23.0–3.0 17.51S 176.73E 0 4.2b,4.2
¶621622026
IDC Error ellipse: s-maj=148.2km s-min=24.5km az=1.0.
IDC XI 27 05 56 04.1–4.9 19.92S 177.82W 538–39 3.5,2.7b
¶621625112
IDC Error ellipse: s-maj=122.0km s-min=27.8km az=150.0.
IDC XI 27 11 59 44.4–45 17.27S 178.33W 584–58 3.9,3.0b
¶621625120
IDC Error ellipse: s-maj=848.6km s-min=135.0km az=79.0.
ISC XI 27 17 56 49.4–.95 22.0S–.10 179.3W–.20 592 4.1b 32 5-90
IDC XI 27 17 55 40.9–7.6 20.28S 177.55W 0 4.2b,4.2 **¶622511855**
NEIC XI 27 17 56 48.7–1.2 21.9S–.10 179.3W–.20 582–12 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 28 11 51 09.5–.75 21.3S–.10 177.9W–.10 412 3.4b 42 5-151
IDC XI 28 11 51 07.1–3.3 21.49S 177.82W 392–27 3.9,3.2b **¶621625175**
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=16.3km az=147.0.
ISC XI 28 07 16 57.5–.53 20.41S–.09 178.47W–.09 587 4.0b 60 4-150
NEIC XI 28 07 16 55.6–.46 20.4S–.10 178.3W–.20 570–9 4.1b **¶621480592**
IDC XI 28 07 16 55.7–1.8 20.40S 178.41W 565–19 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=18.4km az=119.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=13.0km az=97.0.
ISC XI 28 07 44 02.5–.78 16.5S–.20 177.7W–.10 450 3.4b 12 4-125
IDC XI 28 07 44 02.4–2.4 16.41S 177.59W 446–25 3.8,3.0b **¶621625164**
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=20.5km az=121.0.
ISC XI 27 23 00 40.0–.40 21.12S–.06 176.44W–.06 219 4.4b 172 6-152
GFZ XI 27 23 00 39.1–.57 21S–3.0 176W–4.0 209–6 5.9,5.8 **¶621480555**
NEIC XI 27 23 00 40.4–2.4 21.1S–.10 176.5W–.10 207–7 4.5b,5.8
IDC XI 27 23 00 57.3–2.7 19.78S 177.57W 334–23 4.4,3.6b
ISC Event type se.
GFZ Error ellipse: s-maj=8.1km s-min=7.2km az=66.7. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=16.3km az=209.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.7km s-min=17.3km az=80.0.
ISC XI 27 16 42 27.6–.98 16.9S–.20 175.2E–.10 35 3.5b,3.0s 7 3-91
IDC XI 27 16 42 22.6–1.1 16.87S 175.12E 0 3.6b,3.6 **¶621625133**
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=17.9km az=174.0.
ISC XI 29 01 32 53.3–1.4 17.0S–.60 179.1W–.40 550 3.4b 8 3-87
IDC XI 29 01 32 55.0–1.9 17.09S 179.16W 574–18 3.9,3.0b **¶621626947**
ISC Event type se.
IDC Error ellipse: s-maj=86.5km s-min=19.3km az=150.0.
ISC XI 28 09 06 11.2–.54 18.46S–.09 178.37W–.09 500 4.1b 63 3-148
NEIC XI 28 09 06 10.9–1.3 18.5S–.10 178.2W–.10 493–8 4.2b **¶621480795**
IDC XI 28 09 06 11.9–1.3 18.35S 178.36W 502–12 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=17.8km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.2km s-min=13.9km az=125.0.
ISC XI 30 03 12 49.5–1.1 18.0S–.20 178.1W–.20 590 4.1b 21 4-146
IDC XI 30 03 12 50.5–45 17.74S 178.13W 620–70 4.2,3.2b **¶621627008**
NEIC XI 30 03 12 51.6–.66 17.9S–.20 178.18W–.09 619–14 4.2b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 29 05 30 19.1–2.0 14.62S 177.70W 352–21 3.8,3.1b
¶621626952
IDC Error ellipse: s-maj=50.5km s-min=22.3km az=6.0.
ISC XI 29 21 04 12.9–.54 16.0S–.10 176.29W–.09 382 4.2b 106 5-148
IDC XI 29 21 04 11.9–1.3 15.85S 176.44W 358–15 4.4,3.7b **¶621626994**
NEIC XI 29 21 04 12.0–2.1 15.9S–.10 176.40W–.09 362–7 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 29 07 25 01.5–2.0 17.12S 177.98W 0 3.6b,3.6
¶621626959
IDC Error ellipse: s-maj=112.7km s-min=27.2km az=147.0.
ISC XI 30 08 55 07.9–1.7 19.9S–.50 178.6W–.20 550 3.2b 6 4-142
IDC XI 30 08 55 06.1–5.3 20.21S 178.38W 534–40 3.7,2.7b **¶621627036**
ISC Event type se.
IDC Error ellipse: s-maj=136.1km s-min=24.8km az=150.0.
ISC XI 30 00 16 12.7–.50 19.94S–.09 177.61W–.09 600 4.1b 60 5-150
NEIC XI 30 00 16 11.9–1.2 19.9S–.10 177.7W–.10 570–8 4.1b **¶621627001**
IDC XI 30 00 16 13.1–1.5 20.04S 177.92W 578–16 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=8.0km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.3km s-min=13.9km az=143.0.
ISC XI 30 17 21 07.1–.58 18.07S–.09 177.26W–.08 400 4.0b 51 4-72
IDC XI 30 17 21 06.8–1.6 18.36S 177.43W 376–18 4.2,3.4b **¶621627074**
NEIC XI 30 17 21 07.8–1.5 18.1S–.10 177.3W–.10 396–11 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 30 10 27 46.3–2.3 19.18S 179.74W 0 4.2L,3.9
¶621627043
IDC Error ellipse: s-maj=168.3km s-min=21.4km az=153.0.
ISC XI 30 10 56 21.1–1.6 18.6S–.40 177.4W–.20 400 3.5b 8 4-46
IDC XI 30 10 56 22.9–2.9 18.36S 177.56W 419–31 4.0,3.1b **¶621627049**
ISC Event type se.
IDC Error ellipse: s-maj=115.2km s-min=27.9km az=159.0.
ISC XI 30 13 36 20.8–.83 16.8S–.10 179.8W–.20 450 4.0b 22 2-84
NEIC XI 30 13 36 18.7–.94 16.8S–.10 179.5W–.20 426–9 4.2b **¶621627063**
IDC XI 30 13 36 19.2–12 16.87S 179.62W 423–18 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=19.1km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=317.1km s-min=29.3km az=26.0.
ISC XII 01 09 00 16.8–.66 18.13S–.10 178.0W–.20 590 4.0b 28 4-148
NEIC XII 01 09 00 15.6–1.6 18.0S–.10 177.9W–.20 573–10 4.3b **¶621629803**
IDC XII 01 09 00 16.2–2.0 17.94S 178.03W 578–20 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=18.3km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.8km s-min=19.2km az=98.0.
IDC XII 01 02 12 06.3–3.3 19.88S 177.51W 0 3.4b,3.4
¶621629781
IDC Error ellipse: s-maj=348.3km s-min=36.3km az=160.0.
ISC XII 01 14 10 59.3–1.2 16.6S–.50 178.0W–.30 600 3.7b 7 4-85
IDC XII 01 14 10 58.9–1.7 16.58S 177.97W 587–21 4.0,3.0b **¶621629820**
ISC Event type se.
IDC Error ellipse: s-maj=88.8km s-min=22.2km az=148.0.
ISC XII 01 07 38 30.6–.47 21.01S–.07 178.88W–.07 619 4.3b 63 4-153
NEIC XII 01 07 38 30.9–1.4 21.0S–.10 178.9W–.10 613–8 4.3b **¶621629795**
IDC XII 01 07 38 31.8–1.2 21.06S 179.04W 619–13 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=15.5km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=13.3km az=140.0.
IDC XII 01 19 03 35.4–62 17.92S 179.08W 0 4.1b,4.1
¶621629841
IDC Error ellipse: s-maj=1129.0km s-min=168.3km az=79.0.
IDC XII 01 12 11 02.0–12 18.74S 177.86W 503–95 4.1,3.1b
¶621629812
IDC Error ellipse: s-maj=272.0km s-min=41.2km az=142.0.
IDC XII 02 02 41 07.9–66 20.07S 177.00W 0 3.8b,3.8
¶621629866
IDC Error ellipse: s-maj=1210.0km s-min=176.6km az=83.0.
ISC XII 02 03 53 53.0–.51 18.0S–.10 178.4W–.10 579 4.2b 59 3-150
NEIC XII 02 03 53 54.6–1.5 18.1S–.20 178.3W–.10 598–7 4.4b **¶621629868**
IDC XII 02 03 53 54.4–1.3 17.97S 178.54W 591–14 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=16.7km az=144.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.4km s-min=12.2km az=152.0.
IDC XII 02 14 58 52.4–57 16.46S 177.46W 0 4.2b,4.2
¶621629894
IDC Error ellipse: s-maj=1051.0km s-min=165.9km az=78.0.
ISC XII 02 07 53 53.7–2.0 19.7S–.50 178.0W–.30 500 3.3b 7 4-142
IDC XII 02 07 53 52.5–4.2 19.92S 177.82W 488–31 3.8,2.8b **¶621629877**
ISC Event type se.
IDC Error ellipse: s-maj=119.2km s-min=22.8km az=150.0.
ISC XII 03 01 10 37.8–.56 18.0S–.10 177.89W–.10 650 4.2b 116 4-151
NEIC XII 03 01 10 36.8–1.8 18.0S–.20 177.8W–.10 629–7 4.2b **¶621611340**
IDC XII 03 01 10 38.0–1.2 18.07S 178.02W 642–10 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=17.1km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.2km s-min=13.1km az=142.0.
ISC XII 02 17 41 35.1–.97 17.8S–.20 177.7W–.10 600 4.3b 31 3-146
NEIC XII 02 17 41 35.8–1.1 17.9S–.20 177.7W–.10 600–2 4.3b **¶621629898**
IDC XII 02 17 41 44.5–45 17.15S 179.34W 614–138 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=17.2km az=352.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=921.5km s-min=71.7km az=78.0.
IDC XII 02 11 28 25.0–1.6 15.34S 177.43W 385–33 3.9,3.2b
¶621629889
IDC Error ellipse: s-maj=129.8km s-min=20.3km az=151.0.
ISC XII 03 02 01 29.5–1.2 17.3S–.20 178.7W–.30 650 3.9b 23 3-147
NEIC XII 03 02 01 29.2–2.1 17.2S–.20 178.6W–.20 641–13 4.0b **¶621630554**
IDC XII 03 02 01 29.7–2.9 17.04S 178.86W 648–19 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=38.8km s-min=22.3km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=112.0km s-min=24.3km az=142.0.
ISC XII 02 23 45 48.4–1.3 19.4S–.40 179.0W–.30 600 3.3b 9 3-145
IDC XII 02 23 45 43.4–3.8 20.22S 178.34W 551–30 3.8,2.9b **¶621629917**
ISC Event type se.
IDC Error ellipse: s-maj=90.1km s-min=20.3km az=147.0.
ISC XII 03 07 34 55.5–.71 20.0S–.10 177.4W–.10 350 3.9b 29 5-150
IDC XII 03 07 34 58.2–2.0 19.84S 177.57W 381–18 4.2,3.4b **¶621630576**
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=16.0km az=136.0.
IDC XII 04 17 43 27.2–17 19.27S 177.31W 0 3.7b,3.7
¶621630679
IDC Error ellipse: s-maj=425.5km s-min=42.9km az=37.0.
IDC XII 04 05 59 18.8–19 21.41S 179.71W 306–93 4.0,3.4b
¶621630643
IDC Error ellipse: s-maj=316.0km s-min=61.9km az=130.0.
IDC XII 04 06 26 23.6–7.9 16.83S 177.09W 0 4.0b,4.0
¶621630646
IDC Error ellipse: s-maj=200.6km s-min=49.5km az=27.0.
IDC XII 03 06 00 03.3–10 21.21S 179.84W 351–84 3.5,2.8b

¶621630567
IDC Error ellipse: s-maj=209.4km s-min=28.1km az=151.0.
IDC XII 05 05 21 33.1–13 21.71S 179.36W 290–84 3.8,3.2b
¶621631227
IDC Error ellipse: s-maj=200.7km s-min=46.5km az=139.0.
ISC XII 05 05 24 02.6–.48 19.1S–.10 177.53W–.08 570 4.0b 55 4-149
IDC XII 05 05 24 02.5–1.1 19.14S 177.60W 569–13 4.1,3.1b ¶621631228
NEIC XII 05 05 24 03.8–1.3 19.22S–.10 177.5W–.20 577–9 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 06 00 44 09.3–16 20.31S 177.99W 423–97 3.7,2.9b
¶621632558
IDC Error ellipse: s-maj=310.2km s-min=48.1km az=137.0.
IDC XII 05 10 01 40.5–2.7 19.70S 178.69W 456–27 3.6,2.8b
¶621631244
IDC Error ellipse: s-maj=43.1km s-min=34.7km az=151.0.
IDC XII 05 11 46 36.7–3.1 17.85S 176.28W 0 3.9L,3.9b
¶621631250
IDC Error ellipse: s-maj=198.8km s-min=20.1km az=147.0.
ISC XII 06 01 06 39.7–.45 18.12S–.08 178.51W–.08 550 4.4b 117 3-152
NEIC XII 06 01 06 39.7–1.6 18.2S–.10 178.5W–.10 538–3 4.5b ¶621613043
GFZ XII 06 01 06 40.5–.54 18S–6.0 178W–8.0 565–5 6.4,6.4
IDC XII 06 01 06 40.9–1.6 18.18S 178.59W 558–17 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=15.8km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=17.9km s-min=13.2km az=84.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=20.6km s-min=16.4km az=125.0.
ISC XII 07 12 37 12.3–1.4 19.9S–.40 178.1W–.20 550 3.5b 10 4-146
IDC XII 07 12 37 13.7–3.5 19.69S 178.28W 562–27 3.8,2.9b ¶621632661
ISC Event type se.
IDC Error ellipse: s-maj=100.0km s-min=18.1km az=150.0.
ISC XII 06 10 47 49.0–.49 18.12S–.10 178.0W–.10 590 4.0b 61 4-151
NEIC XII 06 10 47 46.9–1.9 18.08S–.08 177.9W–.10 556–6 4.1b ¶621632595
IDC XII 06 10 47 49.3–1.7 18.05S 178.12W 585–18 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=10.3km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.5km s-min=14.5km az=122.0.
ISC XII 08 09 06 07.5–.31 20.80S–.07 178.45W–.06 579 4.5b 301 4-172
NEIC XII 08 09 06 06.7–2.0 20.9S–.10 178.4W–.10 558–9 4.5b ¶621620580
IDC XII 08 09 06 08.8–1.0 20.84S 178.57W 587–11 4.7,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=15.2km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.4km s-min=8.6km az=157.0.
ISC XII 07 14 36 02.2–.85 17.1S–.10 178.9W–.10 400 4.1b 23 3-86
IDC XII 07 14 36 00.5–33 17.23S 178.64W 398–31 3.9,3.2b ¶621632677
NEIC XII 07 14 36 02.5–.86 17.1S–.10 178.9W–.10 399–8 4.2b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 12 06 15.9–.54 17.8S–.10 178.52W–.09 550 4.2b 68 3-150
NEIC XII 08 12 06 12.8–1.0 17.8S–.10 178.3W–.10 510–9 4.4b ¶621622043
IDC XII 08 12 06 15.5–.89 17.95S 178.45W 536–8 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=16.1km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.3km s-min=10.8km az=153.0.
ISC XII 08 08 50 40.8–.38 19.09S–.06 178.00W–.07 532 4.5b 168 4-159
NEIC XII 08 08 50 37.3–2.7 19.12S–.10 177.7W–.10 489–6 4.5b ¶621620578
IDC XII 08 08 50 40.3–1.1 18.99S 177.97W 521–11 4.5,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=13.4km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.7km s-min=10.2km az=130.0.
ISC XII 09 05 22 13.5–.69 18.6S–.10 177.7W–.10 600 4.1b 37 4-86
NEIC XII 09 05 22 14.0–1.6 18.6S–.20 177.6W–.20 610–16 4.1b ¶621636551
IDC XII 09 05 22 13.8–1.5 18.68S 177.69W 598–19 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=10.2km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.1km s-min=17.2km az=153.0.
IDC XII 08 15 43 31.9–1.7 20.66S 177.88W 0 3.4b,3.4
¶621634720
IDC Error ellipse: s-maj=46.0km s-min=42.2km az=1.0.
IDC XII 09 07 53 36.9–18 16.98S 177.39W 597–25 4.3,3.4b
¶621636562
IDC Error ellipse: s-maj=323.6km s-min=116.8km az=83.0.
IDC XII 09 08 03 02.0–60 17.70S 179.13W 593–239 4.0,3.0b
¶621636564
IDC Error ellipse: s-maj=792.7km s-min=141.4km az=75.0.
ISC XII 09 08 36 46.5–.55 20.7S–.10 178.6W–.10 587 3.6b 24 4-150
IDC XII 09 08 36 48.1–1.6 20.70S 178.69W 601–18 4.1,3.1b ¶621636567
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=15.6km az=154.0.
IDC XII 09 16 39 42.4–6.4 20.11S 178.15W 569–41 4.2,3.2b
¶621636583
IDC Error ellipse: s-maj=153.0km s-min=35.2km az=146.0.
IDC XII 09 04 22 57.8–6.2 18.70S 176.16W 0 3.6b,3.5
¶621636547
IDC Error ellipse: s-maj=311.8km s-min=32.4km az=145.0.
ISC XII 11 07 55 08.7–.87 18.7S–.20 177.6W–.20 600 3.8b 15 4-149
IDC XII 11 07 55 08.8–1.4 18.77S 177.68W 594–16 4.2,3.2b ¶621644175
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=16.5km az=149.0.
IDC XII 09 10 25 41.6–13 17.40S 178.34W 580–26 4.2,3.2b
¶621636572
IDC Error ellipse: s-maj=246.6km s-min=111.2km az=79.0.
ISC XII 11 13 14 22.9–.49 17.89S–.09 178.55W–.08 579 4.3b 58 3-91
NEIC XII 11 13 14 23.7–2.0 17.92S–.10 178.52W–.07 584–9 4.4b ¶621627523
IDC XII 11 13 14 24.8–1.7 17.81S 178.66W 595–19 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=4.4km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.5km s-min=15.3km az=144.0.
IDC XII 11 14 53 26.9–1.7 16.69S 178.32W 561–23 3.8,2.8b
¶621644197
IDC Error ellipse: s-maj=122.5km s-min=33.2km az=158.0.
IDC XII 12 08 42 29.5–8.6 19.82S 177.68W 0 3.8b,3.8
¶621650487
IDC Error ellipse: s-maj=221.1km s-min=39.1km az=28.0.
IDC XII 12 09 03 37.8–12 19.97S 179.88W 527–59 3.9,3.1b
¶621650488
IDC Error ellipse: s-maj=269.5km s-min=112.3km az=93.0.
ISC XII 12 09 19 46.7–1.3 18.1S–.20 178.2W–.20 590 3.6b 8 4-148
IDC XII 12 09 19 45.5–2.2 18.18S 178.11W 575–21 4.1,3.1b ¶621650491
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=23.1km az=129.0.
ISC XII 12 09 58 18.7–.99 20.1S–.20 178.1W–.20 569 3.6b 10 4-150
IDC XII 12 09 58 17.9–2.5 20.17S 178.03W 560–24 4.0,3.1b ¶621650494
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=22.6km az=142.0.
IDC XII 13 05 11 10.1–8.9 18.25S 177.66W 637–35 3.8,2.8b
¶621650553
IDC Error ellipse: s-maj=288.6km s-min=30.0km az=141.0.
ISC XII 12 10 37 04.6–.50 19.74S–.08 177.55W–.09 350 4.1b 73 5-150
IDC XII 12 10 37 06.4–2.1 19.69S 177.56W 367–20 4.2,3.5b ¶621627804
NEIC XII 12 10 37 06.1–.82 19.6S–.10 177.6W–.10 354–8 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 13 05 37 30.5–1.0 17.8S–.30 176.7W–.20 10 4.0b 7 6-142
IDC XII 13 05 37 30.4–1.3 17.95S 176.79W 0 4.5L,4.1 ¶621650556
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=20.0km az=145.0.
ISC XII 13 14 55 52.0–.53 17.8S–.10 178.61W–.09 550 4.2b 57 3-147
NEIC XII 13 14 55 50.5–1.1 17.6S–.10 178.5W–.10 532–8 4.2b ¶621650577
IDC XII 13 14 55 52.5–1.3 17.66S 178.76W 552–14 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=14.9km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.7km s-min=14.9km az=151.0.
ISC XII 13 18 05 41.8–.36 20.72S–.07 177.83W–.06 534 4.5b 187 5-153
GFZ XII 13 18 05 39.1–.58 21S–6.0 178W–4.0 504–8 4.6b,4.6 ¶621628524
IDC XII 13 18 05 41.6–.75 20.70S 177.89W 516–8 4.6,3.7b
NEIC XII 13 18 05 42.2–1.6 20.7S–.10 177.9W–.10 522–6 4.5b,3.7b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 13 08 11 44.3–4.9 18.42S 177.68W 452–33 4.0,3.3b
¶621650564
IDC Error ellipse: s-maj=144.9km s-min=29.9km az=26.0.
ISC XII 13 10 30 24.0–.44 17.70S–.10 178.75W–.08 550 4.3b 78 3-147
NEIC XII 13 10 30 22.7–2.0 17.7S–.10 178.7W–.10 526–7 4.4b ¶621628497
IDC XII 13 10 30 25.8–.84 17.62S 179.02W 554–7 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=15.4km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.4km s-min=11.4km az=142.0.
IDC XII 15 09 49 46.6–3.3 17.74S 176.70W 589–26 3.9,3.0b
¶621654097
IDC Error ellipse: s-maj=54.7km s-min=40.7km az=29.0.
IDC XII 13 22 17 28.6–1.5 20.09S 177.51W 0 4.1s,3.7b
¶621650606
IDC Error ellipse: s-maj=48.7km s-min=34.1km az=172.0.
ISC XII 15 02 24 07.6–1.8 18.8S–.50 178.1W–.40 600 3.8b 12 4-149
IDC XII 15 02 24 05.2–5.1 19.27S 177.76W 576–32 4.0,3.0b ¶621654071
ISC Event type se.
IDC Error ellipse: s-maj=125.7km s-min=23.6km az=140.0.
ISC XII 16 06 14 18.4–1.5 18.0S–.40 178.5W–.30 579 3.5b 10 3-148
IDC XII 16 06 14 15.6–2.2 17.95S 178.46W 544–20 3.9,3.1b ¶621655764
ISC Event type se.
IDC Error ellipse: s-maj=62.1km s-min=18.8km az=149.0.
ISC XII 15 14 39 37.0–1.6 17.5S–.30 178.7W–.30 550 3.7b 18 3-147
IDC XII 15 14 39 40.4–1.3 17.32S 179.11W 568–8 4.2,3.3b ¶621654118
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=15.9km az=143.0.
IDC XII 15 14 49 49.4–4.2 18.37S 177.95W 609–25 4.0,3.0b
¶621654120
IDC Error ellipse: s-maj=121.1km s-min=38.5km az=142.0.
IDC XII 16 09 25 26.9–4.1 17.50S 178.59W 598–22 3.5,2.6b
¶621655770
IDC Error ellipse: s-maj=143.5km s-min=29.4km az=141.0.
ISC XII 16 15 23 26.5–.41 21.96S–.06 179.06W–.07 576 4.4b 134 5-152
GFZ XII 16 15 23 23.7–.61 22S–5.0 179W–4.0 544–10 4.4b,4.4 ¶621631468
NEIC XII 16 15 23 24.8–1.9 21.95S–.09 178.91W–.05 550–7 4.4b,4.4
IDC XII 16 15 23 28.2–1.8 21.63S 179.32W 577–17 4.3,3.4b
ISC Event type se.
GFZ Error ellipse: s-maj=11.6km s-min=7.4km az=136.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=3.1km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.6km s-min=12.4km az=145.0.
ISC XII 16 16 19 12.3–.37 18.16S–.08 178.11W–.07 590 4.2b 200 4-151
GFZ XII 16 16 19 06.4–.43 18S–5.0 178W–4.0 534–8 5.1b,4.8 ¶621631470
NEIC XII 16 16 19 07.1–2.8 18.1S–.10 178.1W–.10 519–6 4.3b,4.8
IDC XII 16 16 19 11.7–.98 18.04S 178.13W 575–10 4.4,3.5b
ISC Event type se.
GFZ Error ellipse: s-maj=9.8km s-min=8.3km az=169.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=13.5km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=10.9km az=151.0.
ISC XII 17 06 49 07.6–.83 21.5S–.10 176.5W–.10 200 4.2b 25 6-145
IDC XII 17 06 49 07.8–3.5 21.59S 176.40W 209–30 4.2,3.5b ¶621656919
NEIC XII 17 06 49 09.2–.89 21.46S–.10 176.5W–.20 212–10 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 17 10 30.3–.57 20.3S–.10 177.47W–.09 500 3.9b 50 5-150
NEIC XII 16 17 10 29.9–2.5 20.5S–.10 177.4W–.10 486–7 4.4b ¶621655797
IDC XII 16 17 10 32.1–1.7 20.41S 177.68W 509–17 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=16.6km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.1km s-min=14.0km az=145.0.
ISC XII 17 20 02 29.8–.22 17.90S–.03 178.44W–.04 577–2 5.4b 1811 3-174
BJI XII 17 20 02 23.9 17.75S 178.09W 529 5.4b,5.4b ¶621633308
MOS XII 17 20 02 28.0–.89 17.81S 178.59W 558 5.4b,5.4b
NEIC XII 17 20 02 28.7 17.96S 178.49W 554 5.4b,5.4b
NOU XII 17 20 02 29.1 17.86S 178.43W 571 5.7b,5.4b
NEIC XII 17 20 02 29.9 17.94S 178.51W 572 5.7b,5.4b
NEIC XII 17 20 02 30.0–2.2 17.99S–.08 178.50W–.09 575–3 5.8,5.3b
GFZ XII 17 20 02 30.7 17.86S 178.59W 574 5.7W,5.3b
IDC XII 17 20 02 30.2–.42 17.90S 178.58W 574–4 5.7,4.8b
GFZ XII 17 20 02 30.7–.32 18S–3.0 179W–3.0 580–4 6.5,6.1b
GCMT XII 17 20 02 34.0–.10 17.90S–.01 178.49W–.02 590–1 5.8W,6.1b
NEIC XII 17 20 02 36.1 17.96S 178.70W 560 5.7,6.1b
ISC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=7.2km az=120.1.
NEIC Event type se.
NOU Fiji Islands Region.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.3km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.91 $M_{\theta\theta}$4.54 $M_{\phi\phi}$-1.64 $M_{r\theta}$3.07 $M_{\theta\phi}$-0.48 $M_{\phi r}$-4.50 NP1:ϕ_s65.04000°,δ31.76000°,λ-152.81000°. NP2:ϕ_s311.45000° ,δ76.09000°,λ-61.16000°. Principal axes: T 6.2630,Plg26.0000°,Azm19.0000° ; N 0.9165,Plg28.0000°,Azm124.0000°; P -7.1796,Plg50.0000°,Azm254.0000° $M_0$6.77000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.61 $M_{\theta\theta}$3.28 $M_{\phi\phi}$-1.67 $M_{r\theta}$1.35 $M_{\theta\phi}$-1.33 $M_{\phi r}$-2.50 NP1:

ϕ_e66.89897°,δ42.34117°,λ-157.74826°. NP2:ϕ_s320.07264°,δ75.22313°,λ-49.85628°. Principal axes: T 4.3188,Plg20.0174°,Azm21.0479°; N -0.1745,Plg38.5637°,Azm127.9328° ; P -4.1443,Plg44.6688°,Azm269.9400° $M_0$4.23426×10^{17}

IDC Error ellipse: s-maj=8.5km s-min=6.8km az=158.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202112172002A. Moment Tensor Solution. s144,c280;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.30±.05 $M_{\theta\theta}$4.67±.07; $M_{\phi\phi}$-2.37±.07; $M_{r\theta}$1.52±.07; $M_{\theta r}$-1.38±.07; $M_{\theta r}$-3.24±.07; Best double couple: NP1:ϕ_s65.00000°,δ45.00000°,λ-156.00000°. NP2:ϕ_s317.00000° ,δ73.00000°,λ-47.00000°. Principal axes: T 5.5720,Plg17.0000°,Azm17.0000° ; N 0.0040,Plg40.0000°,Azm122.0000°; P -5.5760,Plg45.0000°,Azm269.0000° $M_0$5.57400×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.24 $M_{\theta\theta}$3.75 $M_{\phi\phi}$-1.51 $M_{r\theta}$1.08 $M_{\theta\phi}$-1.14 $M_{\theta r}$-2.82 NP1:ϕ_s68.60000°,δ43.36000° ,λ-150.53000°. NP2:ϕ_s316.27000°,δ70.26000°,λ-50.58000°. Principal axes: T 4.4555,Plg16.0000°,Azm18.0000°; N 0.2639,Plg37.0000°,Azm121.0000° ; P -4.7194,Plg49.0000°,Azm269.0000° $M_0$4.59000×10^{17}

IDC	**XII**	**18 06 13 23.0–61**	**20.85S**	**178.60W**	**0**	**4.0b,4.0**			
									¶621656976

IDC Error ellipse: s-maj=1113.0km s-min=164.4km az=83.0.

ISC	**XII**	**18 18 36 11.8–.49**	**21.25S–.07**	**176.29W–.08**	**219**	**4.8b**	**70**	**6-150**	
NEIC	XII	18 18 36 08.0–2.6	21.13S–.09	176.0W–.10	182–7	4.9b			**¶621657019**
IDC	XII	18 18 36 15.3–2.7	21.02S	176.58W	239–23	4.3,3.6b			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=17.0km s-min=13.4km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=24.2km s-min=18.9km az=138.0.

ISC	**XII**	**18 10 19 01.0–1.1**	**20.6S–.20**	**178.2W–.10**	**534**	**4.0b**	**30**	**5-87**	
NEIC	XII	18 10 18 58.9–.41	20.72S–.09	178.0W–.20	505–13	4.0b			**¶621656993**
IDC	XII	18 10 19 01.1–4.3	20.31S	178.31W	525–40	4.3,3.4b			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=28.8km s-min=11.0km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=113.6km s-min=26.5km az=153.0.

IDC	**XII**	**18 19 41 00.7–30**	**18.66S**	**177.21W**	**516–263**	**3.5,2.6b**	
							¶621657026

IDC Error ellipse: s-maj=359.2km s-min=53.2km az=132.0.

IDC	**XII**	**19 20 46 29.6–259**	**21.25S**	**177.52W**	**0**		
							¶621657101

IDC Error ellipse: s-maj=152.8km s-min=117.4km az=174.0.

ISC	**XII**	**18 22 07 35.5–.89**	**19.6S–.20**	**177.3W–.20**	**550**	**3.8b**	**16**	**5-150**	
IDC	XII	18 22 07 36.6–1.5	19.56S	177.40W	561–15	4.1,3.1b			**¶621657038**

ISC Event type se.

IDC Error ellipse: s-maj=29.7km s-min=17.3km az=136.0.

IDC	**XII**	**19 04 57 19.8–4.7**	**15.39S**	**177.49W**	**433–31**	**4.1,3.4b**	
							¶621657059

IDC Error ellipse: s-maj=73.2km s-min=46.0km az=19.0.

ISC	**XII**	**20 06 17 25.8–.57**	**17.6S–.10**	**178.8W–.10**	**600**	**3.6b**	**32**	**3-147**	
NEIC	XII	20 06 17 26.5–1.0	17.6S–.10	178.8W–.10	606–8	4.0b			**¶621685588**
IDC	XII	20 06 17 26.9–2.1	17.61S	178.77W	610–20	3.9,3.0b			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=24.0km s-min=6.1km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=89.4km s-min=17.2km az=152.0.

IDC	**XII**	**20 04 54 42.5–338**	**20.72S**	**177.85W**	**0**		
							¶621685584

IDC Error ellipse: s-maj=222.3km s-min=141.7km az=160.0.

IDC	**XII**	**19 22 08 11.9–8.4**	**18.13S**	**178.44W**	**565–30**	**3.7,2.7b**	
							¶621657107

IDC Error ellipse: s-maj=299.7km s-min=43.0km az=144.0.

IDC	**XII**	**21 08 48 24.9–490**	**21.21S**	**177.45W**	**0**		
							¶621685672

IDC Error ellipse: s-maj=231.8km s-min=200.0km az=6.0.

IDC	**XII**	**21 16 35 55.9–76**	**21.49S**	**176.35W**	**0**	**3.9b,3.9**	
							¶621685694

IDC Error ellipse: s-maj=1414.0km s-min=188.3km az=85.0.

IDC	**XII**	**21 05 32 12.1–4.2**	**18.56S**	**177.82W**	**620–28**	**4.3,3.2b**	
							¶621685666

IDC Error ellipse: s-maj=114.7km s-min=46.4km az=147.0.

IDC	**XII**	**21 02 43 52.5–15**	**17.96S**	**178.65W**	**614–210**	**3.6,2.6b**	
							¶621685658

IDC Error ellipse: s-maj=237.1km s-min=48.9km az=167.0.

ISC	**XII**	**21 23 32 42.7–1.0**	**19.9S–.20**	**178.1W–.20**	**450**	**3.3b**	**7**	**4-150**	
IDC	XII	21 23 32 43.0–2.7	19.92S	178.07W	452–27	3.8,3.0b			**¶621685714**

ISC Event type se.

IDC Error ellipse: s-maj=33.3km s-min=24.5km az=142.0.

IDC	**XII**	**22 08 47 10.3–460**	**20.89S**	**177.65W**	**0**		
							¶621686757

IDC Error ellipse: s-maj=269.1km s-min=155.0km az=122.0.

ISC	**XII**	**22 23 08 02.6–1.5**	**19.5S–.50**	**178.4W–.20**	**550**	**3.3b**	**10**	**4-149**	
IDC	XII	22 23 08 01.3–4.2	19.76S	178.23W	536–30	3.7,2.9b			**¶621686794**

ISC Event type se.

IDC Error ellipse: s-maj=104.4km s-min=22.4km az=149.0.

IDC	**XII**	**24 04 27 23.4–8.9**	**17.72S**	**177.34W**	**0**	**3.7b,3.7**	
							¶621700067

IDC Error ellipse: s-maj=397.6km s-min=38.1km az=142.0.

IDC	**XII**	**22 17 40 07.8–57**	**17.72S**	**178.24W**	**604–84**	**4.2,3.2b**	
							¶621686782

IDC Error ellipse: s-maj=1080.0km s-min=118.5km az=80.0.

IDC	**XII**	**22 18 30 32.9–50**	**18.59S**	**176.46W**	**0**	**4.0b,4.0**	
							¶621686784

IDC Error ellipse: s-maj=930.5km s-min=168.6km az=81.0.

IDC	**XII**	**23 06 52 13.2–458**	**20.74S**	**178.02W**	**0**		
							¶621686812

IDC Error ellipse: s-maj=295.5km s-min=154.1km az=128.0.

ISC	**XII**	**23 15 53 05.8–.70**	**19.34S–.09**	**177.42W–.08**	**555–8**	**4.2b**	**82**	**5-151**	
NEIC	XII	23 15 53 05.2–1.7	19.3S–.10	177.4W–.10	541–8	4.3b			**¶621686833**
IDC	XII	23 15 53 09.0–1.8	19.33S	177.67W	578–17	4.2,3.2b			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=20.1km s-min=15.6km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=27.9km s-min=16.4km az=142.0.

IDC	**XII**	**24 13 41 31.1–346**	**20.64S**	**177.49W**	**0**		
							¶621700088

IDC Error ellipse: s-maj=230.4km s-min=143.4km az=168.0.

ISC	**XII**	**24 14 21 20.7–.39**	**17.70S–.09**	**178.51W–.07**	**600**	**4.5b**	**140**	**3-147**	
NEIC	XII	24 14 21 19.8–1.1	17.81S–.06	178.5W–.10	579–8	4.4b			**¶621652980**
IDC	XII	24 14 21 22.2–1.0	17.82S	178.65W	590–10	4.5,3.6b			
GFZ	XII	24 14 21 32.9–9.3	18S–41	180W–86	672–49	4.8b,4.8			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**24 15 28 37.7–.37**	**18.72S–.07**	**177.65W–.06**	**450**	**4.4b**	**208**	**4-151**	
GFZ	XII	24 15 27 59.6–.61	17S–8.0	173W–9.0	447	4.6b,4.6			**¶621652982**
NEIC	XII	24 15 28 37.9–2.1	18.73S–.10	177.7W–.10	443–8	4.5b,4.6			
IDC	XII	24 15 28 41.9–1.1	18.77S	177.85W	485–10	4.4,3.6b			

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=16.6km s-min=14.3km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=14.0km s-min=10.8km az=128.0.

ISC	**XII**	**25 00 50 12.9–.42**	**19.91S–.04**	**177.77W–.05**	**445–3**	**4.9b**	**714**	**5-163**	
NOU	XII	25 00 50 08.2	19.76S	177.30W	427	4.8b			**¶621883759**
BJI	XII	25 00 50 10.2	19.54S	177.05W	438	5.2b,4.7b			
GFZ	XII	25 00 50 11.0–.48	20S–4.0	178W–6.0	433–6	5.1b,4.8b			
IDC	XII	25 00 50 12.7–.75	19.86S	177.72W	439–6	5.0,4.3b			
NEIC	XII	25 00 50 12.1–1.8	19.84S–.10	177.7W–.10	434–5	4.9b,4.3b			
BGR	XII	25 00 50 15.8	20.31S	177.72W	476–10	4.9b,4.3b			

ISC Event type ke.

NOU Fiji Islands Region.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

IDC Error ellipse: s-maj=12.2km s-min=9.4km az=136.0.

NEIC Event type se. Error ellipse: s-maj=14.4km s-min=13.5km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

BGR Event type ke.

IDC	**XII**	**25 09 55 48.5–3.4**	**18.07S**	**179.56W**	**631–23**	**4.0,3.1b**	
							¶621700142

IDC Error ellipse: s-maj=252.1km s-min=28.7km az=159.0.

IDC	**XII**	**24 19 24 36.4–2.0**	**17.26S**	**176.39W**	**0**	**3.9b,3.9**	
							¶621700100

IDC Error ellipse: s-maj=57.6km s-min=41.3km az=24.0.

ISC	**XII**	**24 19 27 09.5–.73**	**18.0S–.10**	**177.94W–.09**	**579–7**	**4.2b**	**95**	**4-151**	
NEIC	XII	24 19 27 09.7–1.1	18.0S–.10	177.89W–.09	579–7	4.2b			**¶621700101**
IDC	XII	24 19 27 10.7–1.5	18.00S	177.97W	584–15	4.2,3.3b			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.1km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=30.0km s-min=15.7km az=137.0.

IDC	**XII**	**25 06 25 01.0–344**	**21.15S**	**177.28W**	**0**		
							¶621700138

IDC Error ellipse: s-maj=246.6km s-min=141.9km az=141.0.

ISC	**XII**	**25 10 03 23.8–.29**	**18.03S–.06**	**179.28W–.06**	**622**	**4.6b**	**404**	**3-158**	
GFZ	XII	25 10 03 22.6–.16	18S–3.0	179W–3.0	610	5.2b,4.7b			**¶621653363**
NEIC	XII	25 10 03 23.7–1.8	18.0S–.10	179.3W–.10	609–6	4.5b,4.7b			
NOU	XII	25 10 03 25.3	17.96S	179.43W	645	4.9b,4.7b			
IDC	XII	25 10 03 25.1–1.0	17.98S	179.37W	634–12	4.8,3.8b			

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=17.4km s-min=14.6km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU Fiji Islands Region.

IDC Error ellipse: s-maj=11.8km s-min=9.8km az=128.0.

IDC	**XII**	**25 10 06 10.8–30**	**16.14S**	**177.01W**	**0**	**4.4b,4.4**	
							¶621700144

IDC Error ellipse: s-maj=558.2km s-min=166.6km az=71.0.

ISC	**XII**	**25 17 34 10.9–.64**	**18.1S–.10**	**177.51W–.08**	**400**	**3.9b**	**29**	**4-72**	
IDC	XII	25 17 34 12.6–1.4	17.60S	177.66W	430–26	4.1,3.2b			**¶621700164**
NEIC	XII	25 17 34 12.0–1.1	18.0S–.20	177.6W–.10	413–13	4.0b,3.2b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**26 14 50 41.0–.82**	**19.9S–.20**	**179.0W–.20**	**665**	**4.1b**	**25**	**4-147**	
IDC	XII	26 14 50 38.9–2.3	19.91S	178.83W	641–24	4.0,3.0b			**¶621700223**
NEIC	XII	26 14 50 39.7–1.1	20.1S–.20	178.7W–.20	642–11	4.2b,3.0b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**25 12 39 25.6–.38**	**17.54S–.08**	**177.66W–.07**	**450**	**5.2b**	**268**	**4-164**	
NOU	XII	25 12 39 20.4	17.43S	177.14W	425	5.2b			**¶621653372**
NEIC	XII	25 12 39 22.9–1.3	17.48S–.06	177.5W–.10	408–7	5.2b			
IDC	XII	25 12 39 25.3–1.9	17.44S	177.71W	427–19	4.8,4.1b			

ISC Event type se.

NOU Fiji Islands Region.

NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.1km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=14.4km s-min=11.4km az=124.0.

ISC	**XII**	**26 17 20 51.9–1.5**	**19.7S–.20**	**178.1W–.20**	**550**	**3.7b**	**6**	**4-142**	
IDC	XII	26 17 20 51.4–2.4	19.71S	178.00W	541–23	4.1,3.0b			**¶621700235**

ISC Event type se.

IDC Error ellipse: s-maj=35.6km s-min=28.4km az=120.0.

ISC	**XII**	**26 21 02 02.0–.68**	**18.19S–.10**	**178.9W–.10**	**562**	**4.3b**	**43**	**3-156**	
IDC	XII	26 21 02 03.5–1.5	18.02S	178.99W	580–15	4.5,3.6b			**¶621700256**
NEIC	XII	26 21 02 04.2–1.4	18.3S–.10	179.0W–.20	574–8	4.4b,3.6b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**26 18 44 43.3–.44**	**17.76S–.08**	**178.57W–.08**	**579**	**4.3b**	**84**	**3-95**	
NEIC	XII	26 18 44 41.5–1.6	17.8S–.10	178.5W–.10	555–9	4.5b			**¶621653680**
IDC	XII	26 18 44 44.3–1.7	17.72S	178.73W	574–18	4.3,3.4b			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=16.3km s-min=14.8km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=28.3km s-min=13.2km az=147.0.

ISC	**XII**	**26 15 42 56.2–.23**	**18.09S–.03**	**179.32W–.03**	**634–2**	**5.7b**	**2104**	**3-167**	
BGR	XII	26 15 42 52.4	18.54S	178.63W	628–2	5.7b			**¶621883765**
BJI	XII	26 15 42 54.0	17.77S	178.95W	623	5.6b,5.5b			
PTWC	XII	26 15 42 55	17.80S	179.30W	666	6.1,5.5b			
GFZ	XII	26 15 42 56.8–.26	18S–3.0	179W–3.0	632–5	6.3,6.0b			
NEIC	XII	26 15 42 56.6	18.09S	179.35W	633	6.3,6.0b			
NOU	XII	26 15 42 56.2	18.13S	179.38W	634	5.6,6.0b			
GFZ	XII	26 15 42 56.8	18.05S	179.51W	638	5.8W,6.0b			
MOS	XII	26 15 42 56.5–1.2	17.98S	179.51W	637	5.9b,6.0b			
IPGP	XII	26 15 42 56.0	18.08S	179.36W	653	6.2W,6.0b			
NEIC	XII	26 15 42 57.1–1.8	18.11S–.07	179.35W–.09	639–2	6.1,5.6b			
NEIC	XII	26 15 42 57.1	18.10S	179.36W	639	6.1,5.6b			
IDC	XII	26 15 42 57.8–.42	18.07S	179.47W	642–3	5.9,5.0b			
GCMT	XII	26 15 43 01.7–.10	18.06S–.01	179.36W–.01	647–0	6.1W,5.0b			
NEIC	XII	26 15 43 03.5	18.10S	179.36W	640	6.1,5.0b			

ISC Event type ke.

BGR Event type ke.

PTWC FIJI REGION.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se.

NOU Fiji Islands Region.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.62 $M_{\theta\theta}$1.92 $M_{\phi\phi}$-1.30 $M_{r\theta}$1.91 $M_{\theta\phi}$3.92 $M_{\theta r}$-4.95 NP1: ϕ_s270.84908°,δ46.04500°,λ-11.53216°. NP2:ϕ_s8.90974°,δ81.72538°,λ-135.46097°. Principal axes: T 5.0573,Plg22.8943°,Azm132.0784°; N 2.6861,Plg44.8580°,Azm17.2304° ; P -7.7434,Plg36.3391°,Azm240.1770° $M_0$6.80994×10^{17}

MOS Error ellipse: s-maj=8.3km s-min=7.6km az=108.7.

IPGP Moment Tensor Solution. NP1:ϕ_s26.00000°,δ51.00000°,λ-173.00000°. NP2:ϕ_s291.00000° ,δ85.00000°,λ-39.00000°.

NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.6km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.16 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-0.59 $M_{r\theta}$1.08 $M_{\theta\phi}$0.76 $M_{\theta r}$-0.69 NP1:ϕ_s26.23000°,δ39.59000°,λ-173.31000°. NP2:ϕ_s291.07000°,δ85.74000° ,λ-50.60000°. Principal axes: T 1.5138,Plg30.0000°,Azm350.0000°; N 0.2359,Plg39.0000° ,Azm108.0000°; P -1.7497,Plg37.0000°,Azm235.0000° $M_0$1.64000×10^{18}

NEIC Event type se.

IDC Error ellipse: s-maj=8.3km s-min=6.7km az=157.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202112261542A. Moment Tensor Solution. s153,c344; s122,c157;Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.36±.01 $M_{\theta\theta}$1.22±.01; $M_{\phi\phi}$-0.86±.01; $M_{r\theta}$1.16±.01; $M_{\theta\phi}$0.97±.01; $M_{\theta r}$-0.77±.01; Best double couple:

NP1:ϕ_s28.00000°,δ47.00000°,λ-169.00000°. NP2:ϕ_s291.00000°,δ82.00000°,λ-44.00000°. Principal axes: T 1.9390,Plg23.0000°,Azm347.0000°; N 0.1390,Plg45.0000°,Azm102.0000° ; P -2.0840,Plg36.0000°,Azm239.0000° $M_0$2.01200×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 5s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.29 $M_{\theta\theta}$0.97 $M_{\phi\phi}$-0.67 $M_{r\theta}$1.07 $M_{\theta\phi}$0.78 $M_{\phi r}$-0.63 NP1:ϕ_s28.10000°,δ43.05000° ,λ-169.41000°. NP2:ϕ_s290.32000°,δ82.79000°,λ-47.44000°. Principal axes: T 1.6433,Plg25.0000°,Azm348.0000°; N 0.1037,Plg42.0000°,Azm104.0000° ; P -1.7470,Plg37.0000°,Azm237.0000° $M_0$1.70000×10^{18}

ISC	**XII**	**27 22 38 39.0–1.3**	**14.5S–.30**	**179.6W–.30**	**400**	**3.7b**	**7**	**4-144**	
IDC	XII	27 22 38 39.7–2.3	14.83S	179.43W	414–34	4.3,3.5b			**¶621717344**
ISC	Event type se.								
IDC	Error ellipse: s-maj=112.2km s-min=22.7km az=146.0.								
ISC	**XII**	**26 15 54 46.8–1.1**	**17.7S–.20**	**179.2W–.20**	**650**	**4.2b**	**31**	**3-87**	
NEIC	XII	26 15 54 47.1–.51	17.7S–.20	179.2W–.20	654–13	4.3b			**¶621700225**
IDC	XII	26 15 54 50.1–9.3	17.60S	179.75W	648–42	4.2,3.2b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=32.3km s-min=20.3km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=187.4km s-min=98.6km az=81.0.								
ISC	**XII**	**26 23 45 20.4–.38**	**21.81S–.04**	**179.42W–.04**	**598–4**	**5.0b**	**940**	**5-164**	
NOU	XII	26 23 45 17.1	21.69S	178.92W	608	5.2b			**¶621653691**
GFZ	XII	26 23 45 20.8–.35	22S–3.0	179W–2.0	590–4	5.5b,5.1b			
IDC	XII	26 23 45 20.9–.77	21.74S	179.43W	595–8	5.2,4.3b			
NEIC	XII	26 23 45 20.0–1.3	21.78S–.09	179.39W–.05	585–5	4.9b,4.3b			
BGR	XII	26 23 45 22.3	22.22S	179.07W	624–8	4.9b,4.3b			
GCMT	XII	26 23 45 23.1–.40	22.18S–.05	179.51W–.04	588–3	5.3W,4.3b			
ISC	Event type ke.								
NOU	Fiji Islands Region.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
BGR	Event type ke.								
GCMT	nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202112262345A. Moment Tensor Solution. s59,c70;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.07±.04 $M_{\theta\theta}$-0.41±.07; $M_{\phi\phi}$0.34±.06; $M_{r\theta}$-0.21±.07; $M_{\theta\phi}$-0.39±.06; $M_{\phi r}$-1.02±.06; Best double couple: NP1:ϕ_s106.00000°,δ27.00000°,λ178.00000°. NP2:ϕ_s198.00000° ,δ89.00000°,λ63.00000°. Principal axes: T 1.2510,Plg40.0000°,Azm83.0000° ; N -0.1680,Plg27.0000°,Azm199.0000°; P -1.0830,Plg38.0000°,Azm312.0000° $M_0$1.16700×10^{17}								
IDC	**XII**	**27 07 37 53.1–7.4**	**18.97S**	**177.45W**	**0**	**4.0b,4.0**			**¶621717297**
IDC	Error ellipse: s-maj=315.1km s-min=69.4km az=144.0.								
ISC	**XII**	**27 07 46 39.4–.84**	**18.8S–.20**	**177.7W–.10**	**600**	**4.1b**	**14**	**4-88**	
IDC	XII	27 07 46 40.6–1.2	18.77S	177.77W	620–16	4.3,3.4b			**¶621717298**
ISC	Event type se.								
IDC	Error ellipse: s-maj=23.7km s-min=14.0km az=152.0.								
ISC	**XII**	**28 17 34 34.6–.47**	**18.14S–.05**	**178.35W–.05**	**593–5**	**4.6b**	**508**	**3-167**	
GFZ	XII	28 17 34 34.9–.15	18S–3.0	178W–3.0	584	5.6,5.4			**¶621655835**
NEIC	XII	28 17 34 34.1–1.9	18.10S–.09	178.33W–.09	580–5	4.6b,5.4			
BGR	XII	28 17 34 35.6	18.46S	178.00W	600	4.6b,5.4			
IDC	XII	28 17 34 36.8–.82	18.06S	178.54W	605–8	4.9,4.0b			
ISC	Event type ke.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=15.3km s-min=10.2km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
BGR	Event type ke.								
IDC	Error ellipse: s-maj=13.7km s-min=8.5km az=144.0.								
IDC	**XII**	**27 20 59 23.4–54**	**16.50S**	**177.30W**	**0**	**4.3b,4.3**			**¶621717337**
IDC	Error ellipse: s-maj=1004.0km s-min=163.8km az=78.0.								
IDC	**XII**	**27 21 02 16.7–420**	**20.21S**	**177.98W**	**0**				**¶621717338**
IDC	Error ellipse: s-maj=268.5km s-min=153.9km az=161.0.								
IDC	**XII**	**28 08 40 10.7–11**	**19.12S**	**177.29W**	**275–48**	**3.8,3.2b**			**¶621717381**
IDC	Error ellipse: s-maj=327.2km s-min=41.1km az=36.0.								
IDC	**XII**	**28 01 00 47.4–29**	**17.95S**	**177.60W**	**569–29**	**4.2,3.2b**			**¶621717352**
IDC	Error ellipse: s-maj=530.1km s-min=120.3km az=86.0.								
ISC	**XII**	**30 00 19 54.9–.39**	**21.69S–.05**	**179.34W–.04**	**599–4**	**5.2b**	**874**	**5-168**	
BGR	XII	30 00 18 47.6	22.97S	177.73W	33	5.2b			**¶621657275**
NOU	XII	30 00 19 34.1	21.66S	176.99W	522	5.2b			
NEIC	XII	30 00 19 54.7–1.4	21.68S–.09	179.34W–.07	586–5	5.1b			
IDC	XII	30 00 19 56.0–.50	21.69S	179.39W	604–4	5.3,4.4b			
GFZ	XII	30 00 19 55.4–.44	22S–5.0	179W–6.0	608–7	5.4b,5.2b			
ISC	Event type ke.								
BGR	Event type ke.								
NOU	Fiji Islands Region.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
IDC	**XII**	**29 00 22 29.1–500**	**20.71S**	**177.52W**	**0**				**¶621724175**
IDC	Error ellipse: s-maj=241.9km s-min=211.7km az=0.0.								
ISC	**XII**	**29 00 51 26.5–1.1**	**17.2S–.20**	**178.6W–.20**	**453**	**3.6b**	**16**	**39-147**	
IDC	XII	29 00 51 27.8–6.8	17.16S	178.59W	466–71	4.1,3.3b			**¶621724177**
ISC	Event type se.								
IDC	Error ellipse: s-maj=40.6km s-min=25.5km az=134.0.								
ISC	**XII**	**29 17 34 51.9–.87**	**20.0S–.10**	**177.3W–.10**	**350**	**4.1b**	**24**	**5-149**	
IDC	XII	29 17 34 51.9–3.8	19.99S	177.33W	348–27	3.9,3.1b			**¶621724233**
NEIC	XII	29 17 34 52.6–2.1	20.02S–.07	177.3W–.10	357–9	4.4b,3.1b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**29 13 29 39.2–.41**	**17.65S–.08**	**178.80W–.07**	**539**	**4.3b**	**103**	**3-147**	
NEIC	XII	29 13 29 39.8–1.3	17.6S–.10	178.8W–.10	544–6	4.5b			**¶621657116**
GFZ	XII	29 13 29 39.9–.49	17S–10	179W–9.0	558–7	4.6b,4.6			
IDC	XII	29 13 29 41.2–.95	17.65S	178.95W	556–8	4.4,3.5b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=20.1km s-min=10.9km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	Error ellipse: s-maj=25.5km s-min=13.9km az=144.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
IDC	Error ellipse: s-maj=18.6km s-min=12.4km az=111.0.								
ISC	**XII**	**30 10 14 48.5–.32**	**16.18S–.06**	**176.05W–.05**	**360**	**4.5b**	**302**	**5-150**	
IDC	XII	30 10 14 48.8–1.2	16.12S	176.12W	356–12	4.6,3.9b			**¶621657467**
NEIC	XII	30 10 14 48.5–1.8	16.2S–.10	175.95W–.09	358–6	4.5b,3.9b			
GFZ	XII	30 10 14 48.6–.21	16S–3.0	176W–4.0	361	5.5b,5.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
IDC	**XII**	**30 20 40 23.8–62**	**15.26S**	**176.75W**	**0**	**3.7b,3.7**			**¶621726026**
IDC	Error ellipse: s-maj=1161.0km s-min=184.4km az=76.0.								
IDC	**XII**	**31 03 31 00.1–54**	**18.43S**	**177.92W**	**0**	**3.8b,3.8**			**¶621726046**
IDC	Error ellipse: s-maj=985.7km s-min=179.0km az=80.0.								
ISC	**XII**	**31 11 47 26.2–.42**	**17.58S–.07**	**178.82W–.07**	**539**	**4.3b**	**149**	**3-92**	
NEIC	XII	31 11 47 27.7–1.4	17.5S–.10	178.9W–.10	550–8	4.2b			**¶621657725**
GFZ	XII	31 11 47 27.0–.36	18S–3.0	178.9W–4.0	547–4	6.2,6.1			
IDC	XII	31 11 47 28.4–1.0	17.54S	179.06W	560–9	4.3,3.4b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=19.1km s-min=15.5km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	Error ellipse: s-maj=9.6km s-min=7.0km az=71.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
IDC	Error ellipse: s-maj=19.0km s-min=15.3km az=101.0.								
ISC	**XII**	**31 17 30 23.0–1.4**	**20.9S–.10**	**176.7W–.20**	**400**	**4.0b**	**39**	**6-71**	
IDC	XII	31 17 29 55.6–24	20.40S	178.66W	0	4.5b,4.5			**¶621726073**
NEIC	XII	31 17 30 25.1–2.0	20.9S–.10	176.7W–.20	430–14	4.1b,4.5			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								

(182) Fiji Islands.

IDC	**VII**	**04 15 32 53.5–5.8**	**18.38S**	**178.98E**	**546–32**	**3.9,2.9b**			**¶620927885**
IDC	Error ellipse: s-maj=180.2km s-min=39.8km az=122.0.								
IDC	**VII**	**14 18 01 34.9–20**	**17.89S**	**179.35E**	**389–65**	**3.9,3.2b**			**¶620928607**
IDC	Error ellipse: s-maj=449.4km s-min=74.4km az=90.0.								
ISC	**VII**	**17 14 01 52.6–.39**	**16.12S–.06**	**178.87E–.07**	**35**	**4.8b,3.7s**	**116**	**2-148**	
IDC	VII	17 14 01 47.2–.66	15.99S	178.69E	0	4.1b,4.1			**¶620833191**
GFZ	VII	17 14 01 48.4–.22	16S–3.0	179E–4.0	10	5.2b,5.2			
NEIC	VII	17 14 01 49.7–1.8	16.14S–.08	178.9E–.10	10–1	4.7b,5.2			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	**VII**	**22 03 07 17.7–8.1**	**17.41S**	**179.23E**	**0**	**3.5b,3.5**			**¶620967805**
IDC	Error ellipse: s-maj=360.0km s-min=39.6km az=143.0.								
IDC	**VII**	**26 15 29 02.9–9.4**	**18.00S**	**179.49E**	**508–63**	**4.2,3.3b**			**¶620973852**
IDC	Error ellipse: s-maj=325.7km s-min=26.5km az=33.0.								
IDC	**VII**	**26 15 32 53.3–6.7**	**18.09S**	**177.13E**	**469–115**	**3.7,2.9b**			**¶620973853**
IDC	Error ellipse: s-maj=356.9km s-min=31.0km az=30.0.								
IDC	**VIII**	**09 02 36 03.5–1.6**	**18.69S**	**179.97E**	**0**	**3.8L,3.6**			**¶621007219**
IDC	Error ellipse: s-maj=44.8km s-min=22.7km az=9.0.								
IDC	**IX**	**24 03 04 33.5–24**	**18.25S**	**179.91E**	**542–97**	**4.2,3.2b**			**¶621126404**
IDC	Error ellipse: s-maj=536.8km s-min=101.0km az=84.0.								
ISC	**VIII**	**09 03 13 45.6–1.4**	**16.3S–.10**	**178.0E–.30**	**21**	**3.8b**	**6**	**1-85**	
IDC	VIII	09 03 13 42.5–1.5	16.25S	178.00E	0	3.8b,3.8			**¶621007222**
ISC	Event type se.								
IDC	Error ellipse: s-maj=37.7km s-min=21.5km az=81.0.								
ISC	**VIII**	**09 03 14 49.0–.56**	**16.53S–.07**	**178.1E–.20**	**10**	**4.3b,3.5s**	**35**	**1-148**	
GCMT	VIII	09 03 14 40.0	16.00S	178.00E	10	4.8s,3.5s			**¶621007223**
IDC	VIII	09 03 14 46.8–.64	16.48S	178.14E	0	4.1b,4.1			
GCMT	VIII	09 03 14 52.6–.40	16.24S–.02	178.05E–.03	15–2	4.9W,4.1			
ISC	Event type se.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202108090314A. Moment Tensor Solution. s14,c14; s76,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.52±.10 $M_{\theta\theta}$-0.15±.09; $M_{\phi\phi}$0.66±.09; $M_{r\theta}$1.96±.50; $M_{\theta\phi}$1.32±.06; $M_{\phi r}$0.07±.24; Best double couple: NP1:ϕ_s359.00000°,δ36.00000°,λ-167.00000°. NP2:ϕ_s258.00000°,δ83.00000°,λ-55.00000°. Principal axes: T 2.3290,Plg29.0000°,Azm320.0000°; N 0.2110,Plg35.0000°,Azm73.0000° ; P -2.5380,Plg42.0000°,Azm201.0000° $M_0$2.43400×10^{16}								
ISC	**VIII**	**09 03 44 31.4–.49**	**16.46S–.06**	**178.21E–.10**	**10**	**4.4b,3.7s**	**62**	**1-148**	
IDC	VIII	09 03 44 29.6–.64	16.38S	178.10E	0	4.1b,4.1			**¶620983003**
NEIC	VIII	09 03 44 32.1–2.7	16.49S–.07	178.2E–.10	10–1	4.7b,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**09 09 43 00.2–1.1**	**16.3S–.10**	**177.8E–.20**	**21**	**4.3b,3.8s**	**13**	**1-145**	
IDC	VIII	09 09 42 56.6–1.2	16.27S	177.94E	0	4.1b,4.1			**¶621007251**
ISC	Event type se.								
IDC	Error ellipse: s-maj=32.2km s-min=20.0km az=84.0.								
ISC	**VIII**	**09 10 02 10.7–1.0**	**16.3S–.10**	**177.7E–.20**	**10**	**4.0b,3.7s**	**10**	**1-95**	
IDC	VIII	09 10 02 08.1–1.2	16.28S	177.65E	0	3.8b,3.8			**¶621007252**
ISC	Event type se.								
IDC	Error ellipse: s-maj=28.6km s-min=21.1km az=75.0.								
IDC	**IX**	**11 05 26 16.6–1.7**	**17.93S**	**179.95E**	**412–16**	**3.8,3.0b**			**¶621108561**
IDC	Error ellipse: s-maj=44.4km s-min=26.8km az=177.0.								
ISC	**VIII**	**28 06 48 41.2–.96**	**18.1S–.20**	**179.63E–.10**	**35**	**3.9b**	**13**	**2-147**	
IDC	VIII	28 06 48 35.8–1.1	18.15S	179.68E	0	3.9b,3.9			**¶621073092**
ISC	Event type se.								
IDC	Error ellipse: s-maj=42.9km s-min=16.5km az=168.0.								
ISC	**X**	**08 06 14 16.5–.86**	**17.5S–.20**	**179.2E–.20**	**600**	**3.7b**	**10**	**1-147**	
IDC	X	08 06 14 18.1–1.3	17.34S	179.03E	625–15	4.0,3.0b			**¶621224635**
ISC	Event type se.								
IDC	Error ellipse: s-maj=27.9km s-min=20.1km az=151.0.								
ISC	**IX**	**24 00 23 06.6–.60**	**15.6S–.10**	**179.9E–.10**	**35**	**4.4b,4.1s**	**46**	**2-147**	
IDC	IX	24 00 23 03.7–.86	15.67S	179.78E	0	4.2L,4.1b			**¶621126395**
NEIC	IX	24 00 23 04.1–1.4	15.8S–.20	179.9W–.10	10–1	4.6b,4.1b			
GCMT	IX	24 00 23 09.4–.20	15.65S–.01	179.90E–.01	14–1	5.0W,4.1b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109240023A. Moment Tensor Solution. s46,c60; s124,c180; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56±.09 $M_{\theta\theta}$1.29±.09; $M_{\phi\phi}$-0.73±.08; $M_{r\theta}$-0.32±.17; $M_{\theta\phi}$3.21±.09; $M_{\phi r}$-0.38±.17; Best double couple: NP1:ϕ_s279.00000°,δ84.00000° ,λ3.00000°. NP2:ϕ_s189.00000°,δ87.00000°,λ174.00000°. Principal axes: T 3.6980,Plg6.0000°,Azm144.0000°; N -0.6060,Plg83.0000°,Azm345.0000° ; P -3.0940,Plg3.0000°,Azm234.0000° $M_0$3.39600×10^{16}								
ISC	**X**	**10 02 57 15.8–.47**	**16.51S–.07**	**177.5E–.10**	**24**	**4.2b,3.9s**	**61**	**1-148**	
IDC	X	10 02 57 12.2–.57	16.49S	177.34E	0	4.2b,4.2			**¶621235364**
NEIC	X	10 02 57 14.5–1.8	16.54S–.07	177.6E–.10	10–1	4.7b,4.2			
GCMT	X	10 02 57 16.9–.30	16.38S–.02	177.41E–.02	21–1	4.8W,4.2			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110100257A. Moment Tensor Solution. s16,c16; s92,c122; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.42±.19 $M_{\theta\theta}$-1.27±.11; $M_{\phi\phi}$2.68±.13; $M_{r\theta}$0.32±.20; $M_{\theta\phi}$0.57±.07; $M_{\phi r}$-0.14±.17; Best double couple: NP1:ϕ_s222.00000°,δ57.00000° ,λ-37.00000°. NP2:ϕ_s335.00000°,δ59.00000°,λ-141.00000°. Principal axes: T 2.7630,Plg1.0000°,Azm98.0000°; N -1.0520,Plg42.0000°,Azm7.0000° ; P -1.7210,Plg48.0000°,Azm189.0000° $M_0$2.24200×10^{16}								
IDC	**X**	**10 12 07 45.1–7.3**	**18.25S**	**179.11E**	**543–39**	**4.4,3.4b**			**¶621235381**
IDC	Error ellipse: s-maj=197.7km s-min=48.7km az=110.0.								
IDC	**X**	**13 21 56 54.7–.89**	**17.77S**	**178.11E**	**516–9**	**4.1,3.2b**			**¶621238997**
IDC	Error ellipse: s-maj=28.3km s-min=10.5km az=116.0.								
IDC	**X**	**10 23 48 43.7–3.0**	**18.19S**	**177.50E**	**0**	**4.0b,4.0**			**¶621235410**
IDC	Error ellipse: s-maj=352.7km s-min=34.3km az=161.0.								
GCMT	**XI**	**17 19 10 53.1–.30**	**16.25S–.02**	**177.78E–.02**	**12**	**4.8W**			
GCMT	XI	17 19 10 48.0	16.25S	177.75E	10	4.9s			**¶622128791**
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111171910A. Moment Tensor Solution. s21,c26; s90,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12±.06 $M_{\theta\theta}$-0.37±.07; $M_{\phi\phi}$0.48±.06; $M_{r\theta}$-0.23±.16; $M_{\theta\phi}$1.64±.04; $M_{\phi r}$-0.56±.16; Best double couple: NP1:ϕ_s264.00000°,δ74.00000°,λ7.00000°. NP2:ϕ_s172.00000°,δ83.00000°,λ164.00000°. Principal axes: T 1.9220,Plg16.0000°,Azm127.0000°; N -0.2700,Plg73.0000°,Azm330.0000° ; P -1.6520,Plg6.0000°,Azm219.0000° $M_0$1.78700×10^{16}								

IDC XI 01 04 27 52.0–13 17.87S 178.76E 396–75 4.2,3.4b
¶621401249
IDC Error ellipse: s-maj=356.1km s-min=38.1km az=98.0.
ISC XI 20 08 47 11.8–.83 15.4S–.20 179.7E–.20 35 3.9s,3.9b 11 3-145
IDC XI 20 08 47 06.6–.81 15.27S 179.73E 0 3.9L,3.9b **¶621590345**
GCMT XI 20 08 47 11.1–.20 15.60S–.01 179.56W–.01 22–1 4.9W,3.9b
GCMT XI 20 08 47 12.0 15.25S 179.75W 10 5.0s,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=17.1km az=134.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111200847A. Moment Tensor Solution. s32,c38; s105,c156;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.96±.12 $M_{\theta\theta}$-1.75±.09; $M_{\phi\phi}$2.71±.09; $M_{r\theta}$-0.44±.16; $M_{\theta\phi}$1.92±.08; $M_{\phi r}$0.07±.12; Best double couple: NP1:ϕ_s156.00000°,δ78.00000°,λ-170.00000°. NP2:ϕ_s64.00000° ,δ80.00000°,λ-12.00000°. Principal axes: T 3.4250,Plg1.0000°,Azm110.0000° ; N -0.8410,Plg75.0000°,Azm205.0000°; P -2.5820,Plg15.0000°,Azm20.0000° M_o3.00300×10^{16}
ISC XII 01 13 59 46.2–.66 16.39S–.07 177.7E–.10 10 4.1b,3.4s 31 1-99
IDC XII 01 13 59 44.7–.76 16.35S 177.60E 0 4.0b,4.0 **¶621629818**
NEIC XII 01 13 59 46.6–1.2 16.39S–.06 177.8E–.10 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 23 11 54 16.7–.39 16.35S–.05 178.27E–.07 22 4.8b,4.0s 195 1-145
IDC XI 23 11 54 12.9–.59 16.35S 177.99E 0 4.5b,4.4 **¶621449543**
NEIC XI 23 11 54 13.9–.79 16.33S–.07 178.13E–.09 10–1 4.8b,4.4
GFZ XI 23 11 54 15.5–.18 16S–5.0 178E–4.0 10 6.5b,6.3
NOU XI 23 11 54 17.0 15.92S 178.23E 23 4.9b,6.3
GCMT XI 23 11 54 18.0–.20 16.16S–.02 178.06E–.01 12 4.9W,6.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NOU Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111231154A. Moment Tensor Solution. s30,c45; s84,c126; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.19±.09 $M_{\theta\theta}$0.13±.09; $M_{\phi\phi}$2.06±.07; $M_{r\theta}$0.44±.31; $M_{\theta\phi}$1.85±.06; $M_{\phi r}$-0.01±.24; Best double couple: NP1:ϕ_s15.00000°,δ45.00000° ,λ-113.00000°. NP2:ϕ_s226.00000°,δ50.00000°,λ-69.00000°. Principal axes: T 3.1910,Plg2.0000°,Azm301.0000°; N -0.8820,Plg16.0000°,Azm32.0000° ; P -2.3090,Plg74.0000°,Azm203.0000° M_o2.75000×10^{16}
IDC XII 02 22 16 11.1–1.3 16.14S 178.04E 0 3.8b,3.8
¶621629912
IDC Error ellipse: s-maj=41.4km s-min=20.3km az=97.0.
IDC XII 05 00 22 17.7–5.0 18.16S 178.50E 520–36 4.0,3.0b
¶621631218
IDC Error ellipse: s-maj=165.5km s-min=69.3km az=123.0.
ISC XII 19 21 17 01.9–.79 17.1S–.10 179.54E–.09 35 4.3b 24 2-86
NEIC XII 19 21 16 59.3–1.1 17.1S–.10 179.51E–.08 10–1 4.5b **¶621657105**
IDC XII 19 21 17 00.1–2.0 16.35S 178.64E 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=4.4km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.4km s-min=22.0km az=110.0.
ISC XII 19 16 28 25.1–.33 16.36S–.03 178.47E–.03 19–1 6.0s,5.8b 1408 1-170
IDC XII 19 16 28 21.8–.36 16.36S 178.35E 0 5.8s,5.0b **¶621633697**
NEIC XII 19 16 28 22.6–1.3 16.31S–.07 178.58E–.08 10–1 6.1,6.0b
ISC-P XII 19 16 28 22 16.31S 178.58E 26–0 6.3,6.0b
NEIC XII 19 16 28 22.6 16.30S 178.58E 10 6.3,6.0b
BJI XII 19 16 28 22.7 16.30S 178.40E 10 6.4b,6.2s
NEIC XII 19 16 28 22.6 16.30S 178.59E 10 6.4b,6.2s
IPGP XII 19 16 28 22.0 16.28S 178.55E 13 6.2W,6.2s
BGR XII 19 16 28 23.2 18.03S 178.02W 33 6.1s,6.2s
MOS XII 19 16 28 23.3–1.5 16.35S 178.37E 13 6.0s,5.8b
PTWC XII 19 16 28 25 16.20S 178.60E 6.2,5.8b
GFZ XII 19 16 28 25.2 16.39S 178.32E 17 6.2W,5.8b
GFZ XII 19 16 28 25.2–.24 16S–2.0 178E–2.0 23–1 6.4b,6.2
NOU XII 19 16 28 29.3 16.39S 178.29E 41 5.6,6.2
GCMT XII 19 16 28 30.5–.00 16.12S 178.32E 16–0 6.2W,6.2
NEIC XII 19 16 28 33.1 15.80S 178.58E 16 6.2,6.2
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=11.9km az=120.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.7km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$0.28 $M_{r\theta}$0.55 $M_{\theta\phi}$1.70 $M_{\phi r}$0.30 NP1:ϕ_s354.39000°,δ72.48000°,λ173.39000°. NP2:ϕ_s86.39000°,δ83.70000° ,λ17.63000°. Principal axes: T 1.9132,Plg17.0000°,Azm312.0000°; N -0.1849,Plg71.0000° ,Azm105.0000°; P -1.7283,Plg8.0000°,Azm219.0000° M_o1.83000×10^{18}
ISC-P Moment Tensor Solution. s29 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.01±.11 $M_{\theta\theta}$-0.58±.17; $M_{\phi\phi}$0.57±.14; $M_{r\theta}$0.09±.20; $M_{\theta\phi}$-0.08±.09; $M_{\phi r}$0.40±.12; NP1:ϕ_s332.60000°,δ87.00000° ,λ188.90000°. NP2:ϕ_s242.10000°,δ81.10000°,λ-3.00000°. M_o3.39000×10^{18}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s352.00000°,δ82.00000°,λ177.00000°. NP2:ϕ_s83.00000° ,δ87.00000°,λ8.00000°.
BGR Event type ke.
MOS Error ellipse: s-maj=8.2km s-min=7.2km az=103.2.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.58 $M_{\theta\theta}$0.05 $M_{\phi\phi}$0.54 $M_{r\theta}$0.27 $M_{\theta\phi}$2.11 $M_{\phi r}$-0.12 NP1: ϕ_s357.23488°,δ80.19402°,λ-172.52580°. NP2:ϕ_s265.95488°,δ82.63561°,λ-9.88836°. Principal axes: T 2.4206,Plg1.7072°,Azm311.7751°; N -0.5263,Plg77.6925°,Azm49.6272° ; P -1.8942,Plg12.1848°,Azm221.4064° M_o2.20502×10^{18}
GFZ Error ellipse: s-maj=5.3km s-min=4.5km az=144.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112191628A. Moment Tensor Solution. s152,c351; s170,c636;Duration: 3$\hat{e}$1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.33±.01 $M_{\theta\theta}$-0.63±.01; $M_{\phi\phi}$0.95±.01; $M_{r\theta}$0.63±.03; $M_{\theta\phi}$2.31±.01; $M_{\phi r}$-0.29±.03; Best double couple: NP1:ϕ_s352.00000°,δ76.00000°,λ-169.00000°. NP2:ϕ_s259.00000°,δ80.00000°,λ-14.00000°. Principal axes: T 2.6100,Plg3.0000°,Azm306.0000°; N -0.1170,Plg72.0000°,Azm44.0000° ; P -2.4930,Plg17.0000°,Azm215.0000° M_o2.55200×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6$\hat{e}$7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.20 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$0.88 $M_{r\theta}$0.73 $M_{\theta\phi}$2.24 $M_{\phi r}$0.54 NP1:ϕ_s349.20000°,δ72.44000° ,λ173.95000°. NP2:ϕ_s81.03000°,δ84.23000°,λ17.65000°. Principal axes: T 2.7225,Plg17.0000°,Azm306.0000°; N -0.4109,Plg71.0000°,Azm99.0000° ; P -2.3116,Plg8.0000°,Azm214.0000° M_o2.54000×10^{18}
ISC XII 14 14 12 18.6–1.2 18.0S–.20 179.1E–.20 550 4.1b 22 1-86
IDC XII 14 14 12 17.4–26 17.86S 179.25E 546–151 4.0,3.0b **¶621652925**
NEIC XII 14 14 12 18.5–.39 18.0S–.20 179.2E–.20 544–7 4.3b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 10 19 15 02.5–16 18.54S 179.90E 549–72 4.3,3.3b
¶621644145
IDC Error ellipse: s-maj=356.4km s-min=109.1km az=83.0.
IDC XII 19 22 48 29.4–18 18.21S 179.24E 550–107 4.0,3.0b
¶621657111
IDC Error ellipse: s-maj=443.8km s-min=109.3km az=87.0.
IDC XII 27 08 15 13.8–2.1 17.87S 178.92E 551–14 4.2,3.2b
¶621717301
IDC Error ellipse: s-maj=109.5km s-min=25.2km az=141.0.
IDC XII 20 11 47 57.9–1.8 16.16S 178.10E 0 3.6b,3.6
¶621685608
IDC Error ellipse: s-maj=42.4km s-min=22.3km az=87.0.
IDC XII 29 09 14 38.0–12 18.31S 179.15E 546–77 4.1,3.1b
¶621724196
IDC Error ellipse: s-maj=286.5km s-min=106.3km az=80.0.
ISC XII 28 02 45 13.8–1.1 17.6S–.20 179.7E–.20 650 4.4b 20 2-75
IDC XII 28 02 45 13.2–45 17.45S 179.69E 640–237 4.0,2.9b **¶621717360**
NEIC XII 28 02 45 13.7–1.7 17.6S–.20 179.69E–.09 642–13 4.5b,2.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 31 20 29 44.2–.51 16.42S–.06 178.0E–.10 21 4.1b,3.7s 59 1-148
IDC XII 31 20 29 41.4–.65 16.39S 177.95E 0 4.8L,4.0 **¶621700352**
NEIC XII 31 20 29 42.7–2.1 16.43S–.07 178.1E–.20 10–1 4.7b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SEISMIC REGION 14.
Vanuatu (New Hebrides).

(183) Santa Cruz Islands region.

ISC VII 17 00 47 15.4–.68 11.0S–.10 164.1E–.20 150 3.9b 15 4-96
IDC VII 17 00 47 14.1–5.3 10.90S 164.17E 137–48 4.1,3.7b **¶620928740**
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=19.7km az=65.0.
ISC VII 24 14 21 14.2–1.2 12.8S–.20 169.6E–.20 645 3.6b 9 10-77
IDC VII 24 14 21 14.7–2.1 12.86S 169.60E 656–28 4.0,2.9b **¶620970222**
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=22.4km az=19.0.
IDC VIII 02 12 46 54.5–3.0 12.57S 171.14E 0 3.9b,3.9
¶620993241
IDC Error ellipse: s-maj=132.3km s-min=31.7km az=136.0.
ISC VII 27 18 04 38.9–1.3 11.1S–.10 164.5E–.10 29 3.5b 8 5-93
IDC VII 27 18 04 43.4–3.3 11.24S 164.26E 73–27 3.9,3.3b **¶620978974**
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=18.3km az=52.0.
IDC VIII 20 15 46 59.8–1.6 10.84S 164.91E 0 3.9,3.8b
¶621041293
IDC Error ellipse: s-maj=37.2km s-min=29.8km az=80.0.
ISC IX 25 16 57 01.9–1.1 10.5S–.10 164.2E–.10 25 3.5b,3.2s 10 4-92
IDC IX 25 16 56 58.4–1.3 10.37S 164.22E 0 3.7L,3.7 **¶621131463**
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=21.6km az=37.0.
ISC IX 12 13 18 57.7–.75 11.1S–.10 164.97E–.09 10 4.2b,3.6s 27 5-96
IDC IX 12 13 18 54.4–2.6 10.93S 165.17E 0 4.1L,4.0 **¶621109656**
NEIC IX 12 13 18 58.1–.94 11.1S–.10 164.98E–.10 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 21 10 23.3–.55 10.80S–.06 164.69E–.09 10 4.5b,3.6s 64 5-150
IDC IX 21 21 10 22.6–.67 10.69S 164.51E 0 4.5L,4.2 **¶621116048**
NEIC IX 21 21 10 24.0–1.7 10.78S–.09 164.71E–.07 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 03 17 06 01.4–54 12.99S 168.34E 0 4.2b,4.2
¶621412252
IDC Error ellipse: s-maj=920.8km s-min=122.2km az=64.0.
ISC X 24 00 08 23.1–.45 11.00S–.06 164.52E–.07 29 4.6b,3.5s 75 5-150
IDC X 24 00 08 18.9–.58 10.86S 164.55E 0 4.3b,4.2L **¶621238083**
NEIC X 24 00 08 20.9–1.1 10.96S–.08 164.54E–.09 10–1 4.8b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 10 07 38 41.3–.76 10.73S–.08 164.54E–.08 50 4.0b,3.3s 34 5-97
NEIC XI 10 07 38 43.5–1.6 10.77S–.10 164.51E–.10 67–9 4.2b,3.3s **¶621440054**
IDC XI 10 07 38 45.4–3.1 10.79S 164.35E 88–27 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=10.2km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.7km s-min=20.8km az=74.0.
IDC XII 21 14 15 16.8–2.1 12.40S 170.48E 0 3.8b,3.7
¶621685690
IDC Error ellipse: s-maj=131.9km s-min=30.3km az=145.0.

(184) Santa Cruz Islands.

ISC VII 05 07 35 37.9–.62 12.11S–.09 165.4E–.10 35 4.3b,3.4s 40 4-97
NEIC VII 05 07 35 34.8–1.2 12.0S–.10 165.4E–.10 10–1 4.5b,3.4s **¶620927936**
IDC VII 05 07 35 38.9–6.4 12.15S 165.41E 46–68 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=17.3km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.2km s-min=22.8km az=157.0.
IDC VII 05 11 15 10.3–3.6 10.27S 165.67E 0 3.8b,3.7
¶620927959
IDC Error ellipse: s-maj=160.6km s-min=31.1km az=136.0.
ISC VII 13 18 39 08.1–.42 12.26S–.06 166.98E–.10 220 4.2b 82 3-152
NEIC VII 13 18 39 09.8–1.3 12.26S–.09 167.1E–.10 234–7 4.3b **¶620928551**
IDC VII 13 18 39 14.2–2.9 12.34S 166.93E 280–28 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=13.3km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=14.7km az=117.0.
ISC VII 20 03 08 08.4–.53 12.12S–.06 167.0E–.10 220 4.2b 65 3-152
IDC VII 20 03 08 10.4–3.8 12.24S 166.93E 237–34 4.1,3.5b **¶620834126**
NEIC VII 20 03 08 10.7–2.0 12.23S–.09 167.1E–.10 235–5 4.5b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 21 15 55 45.7–.56 11.61S–.08 167.10E–.10 35 4.4b 49 4-151
IDC VII 21 15 55 47.4–3.7 11.60S 167.04E 56–31 4.1L,3.9 **¶620961669**
NEIC VII 21 15 55 48.4–2.7 11.68S–.08 167.1E–.10 61–7 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 22 19 25 00.9–.47 11.65S–.06 166.36E–.07 59 4.4b,3.6s 81 4-165
IDC VII 22 19 25 00.8–2.2 11.66S 166.38E 60–18 4.3,4.1b **¶620967845**
NEIC VII 22 19 25 02.0–1.7 11.63S–.08 166.5E–.10 67–6 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 23 21 18 38.9–16 9.13S 166.02E 252–154 3.7,3.2b
¶620967943
IDC Error ellipse: s-maj=129.2km s-min=49.8km az=138.0.
IDC VII 26 18 14 04.0–4.3 11.59S 167.02E 0 3.7b,3.7
¶620973865
IDC Error ellipse: s-maj=184.7km s-min=32.8km az=137.0.
ISC VII 29 03 52 37.0–.57 12.77S–.06 166.60E–.05 41–5 4.8b,4.3s 183 7-170
BJI VII 29 03 52 33.9 12.57S 166.99E 35 5.1b,5.0s **¶620857930**
NEIC VII 29 03 52 37.1–1.7 12.72S–.09 166.58E–.09 35–1 4.9b,5.0s
IDC VII 29 03 52 38.9–2.4 12.81S 166.54E 61–20 4.4,4.2s
GCMT VII 29 03 52 39.9–.20 12.81S–.02 166.25E–.01 40–0 5.1W,4.2s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107290352B. Moment Tensor Solution. s99,c135; s95,c149; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.75±.16 $M_{\theta\theta}$-0.01±.11; $M_{\phi\phi}$-5.74±.10; $M_{r\theta}$-0.02±.12; $M_{\theta\phi}$0.79±.11; $M_{\phi r}$1.28±.11; Best double couple: NP1:ϕ_s171.00000°,δ39.00000° ,λ88.00000°. NP2:ϕ_s354.00000°,δ51.00000°,λ92.00000°. Principal axes: T 5.8920,Plg84.0000°,Azm276.0000°; N 0.0900,Plg1.0000°,Azm173.0000° ; P -5.9850,Plg6.0000°,Azm82.0000° M_o5.93800×10^{16}

ISC VII 29 03 53 57.0–.39 12.85S–.07 166.48E–.07 44 4.5b 68 7-118
NEIC VII 29 03 53 56.1–1.5 12.69S–.09 166.53E–.05 35–2 4.8b **¶620984035**
IDC VII 29 03 54 10.2–3.2 12.94S 166.39E 157–29 4.4,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.6km az=349.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.3km s-min=14.9km az=83.0.
ISC VIII 08 14 51 10.2–.46 12.16S–.05 166.66E–.06 116–3 4.9b 225 3-151
BJI VIII 08 14 51 09.0 12.10S 166.80E 114 5.0b,4.7b **¶620976435**
GFZ VIII 08 14 51 09.1–.38 12S–5.0 167E–5.0 119 4.9b,4.8
NEIC VIII 08 14 51 10.1–.95 12.07S–.08 166.8E–.10 113–6 4.8b,4.8
IDC VIII 08 14 51 10.2–.73 12.12S 166.68E 116–6 4.5,4.2b
GCMT VIII 08 14 51 12.2–.30 12.19S–.03 166.46E–.03 106–4 4.8W,4.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108081451A. Moment Tensor Solution. s18,c18; s79,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.09 $M_{\theta\theta}$-0.77±.11; $M_{\phi\phi}$2.46±.09; $M_{r\theta}$0.94±.07; $M_{\theta\phi}$-0.15±.15; $M_{\phi r}$0.24±.09; Best double couple: NP1:ϕ_s329.00000°,δ51.00000°,λ-133.00000°. NP2:ϕ_s205.00000°,δ56.00000°,λ-50.00000°. Principal axes: T 2.4770,Plg3.0000°,Azm268.0000°; N -0.1830,Plg32.0000°,Azm360.0000° ; P -2.2940,Plg58.0000°,Azm174.0000° $M_0$2.38600×10^{16}
ISC VIII 06 16 36 19.3–1.9 11.2S–.30 167.1E–.20 28 3.7b,3.3s 6 7-95
IDC VIII 06 16 36 26.2–9.8 10.92S 166.76E 73–68 4.2L,3.9 **¶620998914**
ISC Event type se.
IDC Error ellipse: s-maj=102.5km s-min=33.2km az=126.0.
ISC VIII 04 13 26 10.8–.35 12.33S–.05 166.91E–.08 220 4.2b 92 3-152
NEIC VIII 04 13 26 12.4–.76 12.35S–.09 167.0E–.10 231–7 4.3b **¶621237417**
IDC VIII 04 13 26 14.5–2.7 12.35S 166.84E 254–25 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=12.5km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.4km s-min=13.4km az=83.0.
ISC VIII 05 08 20 05.5–.77 12.1S–.10 166.4E–.10 150 4.2b 20 3-95
IDC VIII 05 08 20 06.5–7.6 12.05S 166.07E 152–79 4.1,3.5b **¶620998795**
NEIC VIII 05 08 20 07.2–2.6 12.26S–.10 166.5E–.20 151–8 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 10 17 53 43.5–.97 11.81S–.08 166.3E–.10 50 4.3b 34 4-94
IDC VIII 10 17 53 36.8–1.7 11.70S 166.23E 0 4.2b,4.2 **¶621008131**
NEIC VIII 10 17 53 44.2–1.9 11.74S–.07 166.3E–.10 53–9 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 08 21 50 55.9–.70 12.25S–.09 167.4E–.10 250 4.2b 21 3-118
IDC VIII 08 21 50 27.2–1.3 12.23S 167.61E 0 3.8b,3.8 **¶621002148**
NEIC VIII 08 21 50 55.2–1.4 12.2S–.10 167.4E–.10 241–6 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 10 33 26.9–2.4 12.0S–.20 165.9E–.20 35 4.4b 29 4-94
NEIC VIII 13 10 33 24.6–.83 11.63S–.09 166.1E–.10 35–2 4.4b **¶621012122**
IDC VIII 13 10 33 32.4–1.6 12.47S 164.85E 0 4.1,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=8.6km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.3km s-min=17.7km az=69.0.
ISC VIII 11 13 59 11.8–.91 12.72S–.09 165.8E–.10 10 4.2b 25 3-152
IDC VIII 11 13 59 07.6–.97 12.37S 166.17E 0 4.1L,4.0b **¶621009339**
NEIC VIII 11 13 59 11.8–.62 12.61S–.08 165.9E–.10 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 21 07 49 41.5–4.0 11.12S 165.34E 0 3.6b,3.6
¶621042977
IDC Error ellipse: s-maj=166.1km s-min=35.1km az=136.0.
ISC VIII 20 19 25 04.9–.57 12.01S–.05 166.52E–.06 137–4 4.7b 361 3-170
IDC VIII 20 19 25 01.8–2.9 12.00S 166.69E 111–23 4.6,4.3b **¶620999161**
BJI VIII 20 19 25 04.3 11.50S 166.58E 127 4.9b,4.6b
NEIC VIII 20 19 25 04.6–1.5 11.96S–.07 166.6E–.10 129–5 4.6b,4.6b
GFZ VIII 20 19 25 05.5–.20 12S–3.0 166E–3.0 129 4.8,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 19 00 34 35.9–.52 12.08S–.09 167.1E–.10 220 4.0b 39 3-166
IDC VIII 19 00 34 36.4–9.8 12.18S 167.01E 227–89 4.1,3.6b **¶621039142**
NEIC VIII 19 00 34 39.3–1.2 12.3S–.10 167.3E–.20 247–7 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 04 03 30 36.5–1.2 11.1S–.20 166.9E–.30 28 4.0b 10 33-150
IDC IX 04 03 30 32.1–1.3 11.12S 166.93E 0 4.1b,4.1s **¶621081616**
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=28.2km az=136.0.
ISC VIII 22 10 07 38.3–1.2 12.3S–.10 166.8E–.20 220 3.5b 8 10-118
IDC VIII 22 10 07 42.2–5.2 12.48S 166.78E 259–48 3.8,3.1b **¶621043076**
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=26.1km az=11.0.
ISC VIII 26 17 53 55.7–.52 12.99S–.06 166.28E–.08 44 4.7b,3.9s 71 7-152
IDC VIII 26 17 53 49.4–.74 12.94S 166.47E 0 4.5L,4.4b **¶621059011**
NEIC VIII 26 17 53 52.2–2.3 12.88S–.09 166.3E–.10 10–1 4.8b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 17 27 24.1–2.0 10.7S–.20 165.1E–.20 46 3.6b,3.3s 9 5-79
IDC VIII 29 17 27 29.1–4.4 10.94S 164.82E 86–28 3.9,3.5b **¶621073195**
ISC Event type se.
IDC Error ellipse: s-maj=51.5km s-min=17.7km az=48.0.
IDC VIII 31 15 08 17.1–4.7 11.69S 167.15E 0 3.5b,3.5
¶621076618
IDC Error ellipse: s-maj=236.1km s-min=32.4km az=139.0.
ISC IX 02 14 28 35.0–.65 11.09S–.09 165.33E–.10 30 3.9b 18 6-150
IDC IX 02 14 28 30.7–.71 10.95S 165.38E 0 4.1L,3.9 **¶621080688**
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=15.1km az=66.0.
ISC IX 03 15 28 08.0–1.3 11.9S–.10 166.3E–.10 35 3.8b 9 7-84
IDC IX 03 15 28 02.1–1.4 11.76S 166.38E 0 4.6L,3.9 **¶621081570**
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=16.5km az=56.0.
IDC VIII 22 06 52 30.2–5.2 12.03S 166.98E 0 3.4b,3.4
¶621043064
IDC Error ellipse: s-maj=261.0km s-min=33.4km az=140.0.
ISC IX 12 02 57 40.7–.28 12.61S–.03 166.24E–.04 34–0 5.2b,4.9s 836 3-169
IDC IX 12 02 57 35.2–.37 12.59S 166.31E 0 5.0b,5.0 **¶621070397**
BJI IX 12 02 57 40.8 12.15S 166.35E 37 5.7b,5.2s
MOS IX 12 02 57 40.3–1.1 12.51S 166.00E 33 5.8b,5.1s
GFZ IX 12 02 57 41.4 12.59S 166.20E 22 5.4W,5.1s
GFZ IX 12 02 57 41.4–.24 13S–3.0 166E–3.0 38–1 6.2,5.9L
NOU IX 12 02 57 42.0 12.61S 166.00E 39 5.2b,5.9L
NEIC IX 12 02 57 42.2–2.1 12.57S–.06 166.20E–.09 43–5 5.4,5.2b
GCMT IX 12 02 57 43.0–.10 12.52S–.01 165.98E 13–0 5.4W,5.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.45 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-1.24 $M_{r\theta}$0.53 $M_{\theta\phi}$0.15 $M_{\phi r}$-0.12 NP1: ϕ_s155.77467°,δ51.42838°,λ69.98710°. NP2:ϕ_s6.06683°,δ42.72496°,λ113.22620°. Principal axes: T 1.6032,Plg73.8074°,Azm5.5732°; N -0.3236,Plg15.5195°,Azm168.5691° ; P -1.2796,Plg4.5069°,Azm259.8233° $M_0$1.46837×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Santa Cruz Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109120257A. Moment Tensor Solution. s135,c244; s138,c260;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.02 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$-1.23±.01; $M_{r\theta}$0.29±.03; $M_{\theta\phi}$0.22±.01; $M_{\phi r}$-0.89±.04; Best double couple: NP1: ϕ_s356.00000°,δ27.00000°,λ100.00000°. NP2:ϕ_s165.00000°,δ64.00000°,λ85.00000°. Principal axes: T 1.5410,Plg71.0000°,Azm65.0000°; N 0.0410,Plg4.0000°,Azm167.0000° ; P -1.5770,Plg18.0000°,Azm259.0000° $M_0$1.55900×10^{17}
IDC IX 05 09 31 20.9–1.5 11.23S 166.26E 0 3.7b,3.6
¶621086397
IDC Error ellipse: s-maj=97.7km s-min=26.3km az=142.0.
ISC IX 05 20 29 25.2–.46 12.50S–.07 167.06E–.08 220 4.4b 77 3-152
NEIC IX 05 20 29 25.8–1.6 12.50S–.10 167.1E–.10 221–8 4.7b **¶621035631**
IDC IX 05 20 29 25.1–3.0 12.52S 167.07E 223–29 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=14.5km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.8km s-min=14.4km az=162.0.
ISC IX 06 17 37 14.6–.84 11.5S–.20 165.7E–.10 24 3.9b 9 6-94
IDC IX 06 17 37 12.0–.96 11.32S 165.57E 0 4.0,3.9b **¶621094269**
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=18.8km az=10.0.
ISC IX 12 14 20 06.7–.83 10.92S–.08 165.36E–.10 30 4.0b,3.3s 32 5-93
IDC IX 12 14 20 02.3–1.2 10.77S 165.40E 0 4.8L,4.1 **¶621109661**
NEIC IX 12 14 20 07.1–1.5 10.8S–.10 165.5E–.10 35–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 01 21 58.4–.47 10.79S–.06 166.10E–.10 100 4.3b 63 5-165
IDC IX 18 01 21 59.1–1.1 10.80S 166.06E 106–8 4.3,3.9b **¶621113537**
NEIC IX 18 01 21 59.9–1.3 10.82S–.06 166.0E–.10 110–7 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 14 23 44 22.3–.35 10.59S–.04 166.00E–.04 113–2 5.0b 518 4-155
BJI IX 14 23 44 20.4 10.39S 166.14E 109 5.2b,4.8b **¶621240994**
GFZ IX 14 23 44 22.6–.32 11S–5.0 166E–4.0 108–2 6.0,5.4b
IDC IX 14 23 44 22.5–.64 10.59S 165.98E 112–4 4.7,4.3b
NOU IX 14 23 44 22.5 10.55S 165.90E 109 5.4b,4.3b
NEIC IX 14 23 44 23.0–1.8 10.58S–.07 165.94E–.09 110–5 5.0b,4.3b
NEIC IX 14 23 44 23 10.56S 165.96E 110 5.0b,4.3b
GCMT IX 14 23 44 25.6–.20 10.50S–.01 165.78E–.01 112–1 5.1W,4.3b
NEIC IX 14 23 44 28.9 10.66S 165.86E 110 5.1,4.3b
ISC Event type se.
GFZ Error ellipse: s-maj=10.0km s-min=8.6km az=164.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=13.5km s-min=11.1km az=94.0.
NOU Santa Cruz Islands.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.3km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109142344A. Moment Tensor Solution. s74,c99; s127,c191; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.24±.12 $M_{\theta\theta}$-2.53±.16; $M_{\phi\phi}$-2.71±.17; $M_{r\theta}$0.31±.12; $M_{\theta\phi}$-3.84±.13; $M_{\phi r}$-2.44±.11; Best double couple: NP1:ϕ_s65.00000°,δ42.00000° ,λ122.00000°. NP2:ϕ_s205.00000°,δ56.00000°,λ65.00000°. Principal axes: T 6.1740,Plg68.0000°,Azm62.0000°; N 0.4920,Plg21.0000°,Azm220.0000° ; P -6.6660,Plg8.0000°,Azm312.0000° $M_0$6.42000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}4.31 $M_{\theta\theta}$-3.12 $M_{\phi\phi}$-1.20 $M_{r\theta}$-0.63 $M_{\theta\phi}$-2.63 $M_{\phi r}$-2.33 NP1:ϕ_s73.34000°,δ37.07000° ,λ120.26000°. NP2:ϕ_s217.17000°,δ58.62000°,λ69.16000°. Principal axes: T 5.1804,Plg69.0000°,Azm83.0000°; N 0.1498,Plg18.0000°,Azm228.0000° ; P -5.3302,Plg11.0000°,Azm322.0000° $M_0$5.26000×10^{16}
ISC IX 14 19 56 13.7–1.0 12.11S–.10 166.8E–.20 100 3.8b 11 7-118
IDC IX 14 19 56 13.7–5.5 12.12S 166.78E 100–48 4.0,3.7b **¶621110846**
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=29.1km az=31.0.
ISC IX 30 02 58 46.1–.63 11.24S–.07 166.3E–.10 100 3.9b 34 4-117
IDC IX 30 02 58 46.1–3.5 11.26S 166.18E 98–30 4.0,3.5b **¶621147738**
NEIC IX 30 02 58 47.8–.94 11.29S–.09 166.4E–.10 110–9 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 20 22 22 08.4–1.1 12.8S–.20 166.6E–.30 44 3.8b 10 33-152
IDC IX 20 22 22 01.9–1.1 12.73S 166.70E 0 4.1b,4.0 **¶621116007**
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=31.6km az=95.0.
IDC IX 27 08 44 08.3–11 12.09S 166.60E 325–139 3.7,2.9b
¶621140694
IDC Error ellipse: s-maj=107.5km s-min=28.9km az=158.0.
IDC IX 20 06 43 33.8–2.2 12.85S 166.50E 0 4.0b,3.9
¶621115981
IDC Error ellipse: s-maj=66.6km s-min=42.1km az=62.0.
ISC IX 20 18 05 47.8–.81 12.73S–.07 166.3E–.10 59 4.3b,3.4s 32 3-165
IDC IX 20 18 05 40.0–1.0 12.54S 166.51E 0 4.1b,4.1 **¶621116002**
NEIC IX 20 18 05 46.1–1.2 12.65S–.04 166.40E–.10 35–2 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 11 05 01.2–.88 11.6S–.10 166.7E–.10 150 3.6b 10 7-117
IDC IX 27 11 05 01.8–3.5 11.65S 166.69E 155–32 3.9,3.4b **¶621140707**
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=20.5km az=149.0.
IDC X 12 02 58 16.2–5.6 10.87S 166.17E 0 4.4s,3.5b
¶621236920
IDC Error ellipse: s-maj=299.0km s-min=31.1km az=139.0.
ISC X 11 03 23 15.8–.95 10.9S–.10 166.3E–.20 150 3.7b 9 11-94
IDC X 11 03 23 17.1–5.7 11.00S 166.27E 163–53 3.9,3.5b **¶621236857**
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=23.3km az=154.0.
ISC IX 30 08 12 06.9–.47 12.31S–.08 167.1E–.10 220 4.0b 63 3-152
IDC IX 30 08 12 09.8–3.7 12.37S 166.99E 244–34 4.2,3.6b **¶621147751**
NEIC IX 30 08 12 09.9–1.2 12.4S–.10 167.1E–.10 248–8 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 17 39 39.0–.71 11.98S–.09 166.7E–.20 200 4.0b 29 3-117
NEIC X 06 17 39 39.5–1.0 12.1S–.10 166.8E–.20 202–6 4.4b **¶621217162**
IDC X 06 17 39 41.1–5.0 12.00S 166.64E 220–45 3.9,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=16.9km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.3km s-min=25.2km az=63.0.
ISC XI 03 10 59 40.8–1.0 12.52S–.09 166.8E–.10 100 3.8b 12 7-152
IDC XI 03 10 59 41.7–3.4 12.54S 166.72E 108–28 4.0,3.6b **¶621412240**
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=17.1km az=66.0.

IDC X 15 16 30 49.3–7.0 11.82S 166.71E 0 3.4b,3.4
¶621242070
IDC Error ellipse: s-maj=367.4km s-min=34.2km az=140.0.
ISC X 17 07 38 52.4–.57 12.32S–.07 166.63E–.08 100 4.2b 61 3-100
NEIC X 17 07 38 47.9–.89 11.96S–.10 167.0E–.10 80–10 4.3b **¶621204822**
IDC X 17 07 38 52.0–.80 12.28S 166.59E 92–7 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=5.0km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=15.3km az=152.0.
IDC X 18 02 50 35.2–1.5 11.07S 165.99E 0 3.5b,3.5
¶621244010
IDC Error ellipse: s-maj=60.9km s-min=34.0km az=136.0.
ISC X 22 17 30 50.2–.98 11.6S–.10 166.3E–.10 100 3.8b 23 4-94
IDC X 22 17 30 45.2–14 11.78S 166.72E 80–91 3.9,3.8L **¶621309336**
NEIC X 22 17 30 53.0–1.4 11.6S–.10 166.2E–.10 124–9 4.2b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 20 06 38 29.6–.30 11.92S–.04 166.77E–.04 209–2 5.1b 788 4-155
BJI X 20 06 38 26.9 11.62S 166.89E 191 5.4b,5.2b **¶621221505**
NEIC X 20 06 38 29.1 11.89S 166.83E 196 5.4b,5.2b
IDC X 20 06 38 29.8–.66 11.97S 166.73E 210–6 5.2,4.7b
GFZ X 20 06 38 29.7–.28 12S–2.0 167E–3.0 202–2 5.9,5.5b
GFZ X 20 06 38 30.9 11.92S 166.71E 179 5.1W,5.5b
NEIC X 20 06 38 30.7 11.69S 166.73E 220 5.2,5.5b
NEIC X 20 06 38 30.5–1.7 11.94S–.07 166.80E–.08 211–4 5.1b,5.5b
NOU X 20 06 38 30.0 11.90S 166.72E 214 5.2b,5.5b
GCMT X 20 06 38 31.2–.20 11.95S–.01 166.68E–.01 206–1 5.2W,5.5b
ISC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}2.38 $M_{\theta\theta}$2.49 $M_{\phi\phi}$-4.86 $M_{r\theta}$1.45 $M_{\theta\phi}$-2.05 $M_{\phi r}$-1.87 NP1:
ϕ_s158.54487°,δ70.32466°,λ39.53333°. NP2:ϕ_s53.01559°,δ53.17567°,λ155.12678°.
Principal axes: T 4.6864,Plg41.4442°,Azm21.8649°; N 0.9831,Plg46.5709°,Azm180.7381°
; P -5.6696,Plg10.7042°,Azm282.2568° M_o5.24753×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm;
M_{rr}1.91 $M_{\theta\theta}$3.39 $M_{\phi\phi}$-5.30 $M_{r\theta}$5.44 $M_{\theta\phi}$-2.53 $M_{\phi r}$-0.15 NP1:ϕ_s159.39000°,δ52.54000°
,λ21.44000°. NP2:ϕ_s55.96000°,δ73.14000°,λ140.54000°. Principal axes:
T 8.4351,Plg39.0000°,Azm11.0000°; N -2.1613,Plg48.0000°,Azm217.0000°
; P -6.2737,Plg13.0000°,Azm112.0000° M_o7.59000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Santa Cruz Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110200638A. Moment Tensor Solution. s77,c106; s131,c210;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35±.01 $M_{\theta\theta}$0.35±.01; $M_{\phi\phi}$-0.69±.01; $M_{r\theta}$0.54±.01; $M_{\theta\phi}$-0.13±.01; $M_{\phi r}$-0.11±.01; Best double couple: NP1: ϕ_s42.00000°,δ58.00000°,λ147.00000°. NP2:ϕ_s151.00000°,δ63.00000°,λ37.00000°. Principal axes: T 0.9050,Plg45.0000°,Azm9.0000°; N -0.1930,Plg45.0000°,Azm183.0000° ; P -0.7110,Plg3.0000°,Azm276.0000° M_o0.80800×10^{17}
IDC X 25 03 03 14.2–40 11.86S 166.28E 0 3.7b,3.7
¶621366420
IDC Error ellipse: s-maj=696.6km s-min=106.1km az=65.0.
ISC XI 04 08 35 29.5–.38 12.27S–.04 167.05E–.04 229–3 4.9b 538 3-155
BJI XI 04 08 35 28.9 11.78S 166.99E 215 4.9b,4.8b **¶621261772**
NOU XI 04 08 35 28.0 12.13S 167.16E 233 5.0b,4.8b
NEIC XI 04 08 35 29.5–1.1 12.25S–.07 167.11E–.06 225–7 4.9b,4.8b
IDC XI 04 08 35 30.6–1.1 12.32S 166.95E 235–10 4.9,4.4b
GCMT XI 04 08 35 31.8–.30 12.33S–.02 166.85E–.02 222–2 5.0W,4.4b
GFZ XI 04 08 35 31.2–.61 12S–5.0 167E–4.0 234–6 5.4b,4.8
ISC Event type se.
NOU Santa Cruz Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111040835A. Moment Tensor Solution. s37,c43; s83,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.67±.15 $M_{\theta\theta}$-1.50±.20; $M_{\phi\phi}$-2.18±.19; $M_{r\theta}$1.03±.16; $M_{\theta\phi}$-1.00±.16; $M_{\phi r}$-2.84±.14; Best double couple: NP1:ϕ_s43.00000°,δ30.00000° ,λ125.00000°. NP2:ϕ_s184.00000°,δ65.00000°,λ71.00000°. Principal axes: T 5.0910,Plg65.0000°,Azm62.0000°; N -1.6080,Plg17.0000°,Azm192.0000° ; P -3.4940,Plg18.0000°,Azm288.0000° M_o4.29300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 05 10 33 58.7–.69 11.93S–.09 166.1E–.10 30 4.3b,3.4s 47 4-117
IDC XI 05 10 33 53.5–.78 11.95S 166.34E 0 4.3L,4.1b **¶621413967**
NEIC XI 05 10 33 59.9–.96 12.0S–.10 166.2E–.10 34–7 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 07 07 20 10.9–8.8 12.25S 165.33E 0 3.8b,3.8
¶621416025
IDC Error ellipse: s-maj=149.6km s-min=25.6km az=56.0.
ISC XI 06 21 24 58.9–.73 12.21S–.10 165.2E–.10 35 4.6b,3.1s 37 4-94
IDC XI 06 21 24 53.8–1.0 12.07S 165.20E 0 4.1b,4.1 **¶621416003**
NEIC XI 06 21 24 55.6–.81 12.13S–.05 165.4E–.20 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 06 02 32 13.0–.75 11.6S–.10 166.5E–.10 150 4.1b 25 4-147
NEIC XI 06 02 32 13.1–1.1 11.6S–.10 166.6E–.20 140–7 4.3b **¶621415966**
IDC XI 06 02 32 15.0–4.2 11.70S 166.17E 166–38 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=11.1km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=22.3km az=171.0.
ISC XI 14 09 41 36.3–.64 11.68S–.09 166.0E–.10 100 3.7b 17 6-96
IDC XI 14 09 41 35.7–3.4 11.46S 166.07E 94–29 4.0,3.6b **¶621468663**
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=20.0km az=59.0.
ISC XI 17 23 46 50.5–.32 10.61S–.04 165.17E–.04 46 4.7b,3.8s 241 3-164
NEIC XI 17 23 46 49.4–1.2 10.65S–.08 165.22E–.08 35–1 5.0b,3.8s **¶621414535**
BJI XI 17 23 46 49.2 10.50S 165.20E 33 4.7b,3.8s
IDC XI 17 23 46 51.3–2.5 10.66S 165.11E 52–23 4.9L,4.3
NOU XI 17 23 46 52.2 10.65S 165.14E 64 5.5b,4.3
GFZ XI 17 23 46 53.0–.22 11S–3.0 165E–4.0 75 6.2b,5.8
GCMT XI 17 23 46 53.0–.20 10.59S–.02 165.01E–.01 53–1 5.0W,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Santa Cruz Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111172346A. Moment Tensor Solution. s58,c79; s86,c112; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.17±.14 $M_{\theta\theta}$3.64±.12; $M_{\phi\phi}$-3.81±.11; $M_{r\theta}$-1.08±.11; $M_{\theta\phi}$1.34±.11; $M_{\phi r}$0.55±.12; Best double couple: NP1:ϕ_s215.00000°,δ73.00000° ,λ177.00000°. NP2:ϕ_s306.00000°,δ87.00000°,λ17.00000°. Principal axes: T 4.1160,Plg14.0000°,Azm171.0000°; N 0.0550,Plg73.0000°,Azm315.0000° ; P -4.1690,Plg10.0000°,Azm79.0000° M_o4.14300×10^{16}
IDC XI 15 06 29 39.4–14 10.33S 165.20E 221–120 3.8,3.2b
¶621475602
IDC Error ellipse: s-maj=222.4km s-min=46.6km az=135.0.
ISC XI 25 12 04 07.6–.39 10.78S–.03 166.42E–.03 24–2 6.4s,6.1b 1275 4-170
IDC XI 25 12 04 03.2–.36 10.82S 166.40E 0 6.1s,5.1b **¶621468756**
BJI XI 25 12 04 03.8 10.60S 166.35E 10 6.5s,6.3
ISC-P XI 25 12 04 05 10.75S 166.51E 17–0 6.4,6.3
NEIC XI 25 12 04 05.7–1.9 10.75S–.05 166.51E–.07 10–1 6.4,6.4b
NEIC XI 25 12 04 05.7 10.77S 166.47E 6 6.4,6.4b
PTWC XI 25 12 04 06 10.70S 166.40E 10 6.5,6.4b
GFZ XI 25 12 04 06.3 10.80S 166.36E 10 6.2W,6.4b
GFZ XI 25 12 04 06.3–.11 11S–2.0 166E–2.0 10 6.7L,6.6b
MOS XI 25 12 04 07.1–1.0 10.70S 166.27E 19 6.1s,6.0b
NOU XI 25 12 04 08.7 10.66S 166.29E 27 5.8,6.0b
IPGP XI 25 12 04 10.0 10.75S 166.49E 4 6.4W,6.0b
GCMT XI 25 12 04 11.1–.00 10.70S 166.33E 12 6.3W,6.0b
NEIC XI 25 12 04 16.9 10.77S 166.27E 12 6.1,6.0b
ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=9.3km az=75.0.
ISC-P Moment Tensor Solution. s39 Moment tensor: Scale 10^{18}Nm; M_{rr}0.01±.10 $M_{\theta\theta}$0.51±.24; $M_{\phi\phi}$-0.47±.17; $M_{r\theta}$0.20±.23; $M_{\theta\phi}$-0.09±.16; $M_{\phi r}$-0.46±.14; NP1:ϕ_s157.60000°,δ79.30000° ,λ12.80000°. NP2:ϕ_s65.20000°,δ77.40000°,λ169.00000°. M_o4.32000×10^{18}
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.9km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}-1.00 $M_{\theta\theta}$1.05 $M_{\phi\phi}$-0.05 $M_{r\theta}$-0.21 $M_{\theta\phi}$-2.22 $M_{\phi r}$0.93 NP1:
ϕ_s167.88931°,δ77.05951°,λ-30.26111°. NP2:ϕ_s265.33315°,δ60.58427°,λ-165.10300°.
Principal axes: T 2.9328,Plg10.8910°,Azm219.4301°; N -0.7913,Plg57.3309°,Azm326.8914° ; P -2.1414,Plg30.3738°,Azm122.9553° M_o2.62802×10^{18}
GFZ Error ellipse: s-maj=5.4km s-min=4.3km az=143.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=6.9km s-min=5.7km az=107.5.
NOU Santa Cruz Islands.
IPGP Moment Tensor Solution. NP1:ϕ_s80.00000°,δ53.00000°,λ-162.00000°. NP2:ϕ_s339.00000° ,δ76.00000°,λ-39.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111251204A. Moment Tensor Solution. s166,c400; s170,c677;Duration: 3s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.18±.01 $M_{\theta\theta}$1.67±.01; $M_{\phi\phi}$-0.49±.01; $M_{r\theta}$0.79±.03; $M_{\theta\phi}$-3.00±.01; $M_{\phi r}$0.04±.03; Best double couple: NP1:ϕ_s169.00000°,δ72.00000°,λ-8.00000°. NP2:ϕ_s262.00000°,δ83.00000°,λ-162.00000°. Principal axes: T 3.8560,Plg7.0000°,Azm35.0000°; N -1.1040,Plg71.0000°,Azm284.0000° ; P -2.7530,Plg18.0000°,Azm127.0000° M_o3.30400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09 $M_{\theta\theta}$0.91 $M_{\phi\phi}$-0.82 $M_{r\theta}$-0.17 $M_{\theta\phi}$-1.41 $M_{\phi r}$0.06 NP1:ϕ_s344.35000°,δ85.40000° ,λ3.29000°. NP2:ϕ_s254.09000°,δ86.72000°,λ175.39000°. Principal axes:
T 1.7158,Plg6.0000°,Azm209.0000°; N -0.1098,Plg84.0000°,Azm39.0000° ; P -1.6060,Plg1.0000°,Azm299.0000° M_o1.66000×10^{18}
ISC XI 22 00 58 39.8–1.4 12.2S–.10 166.4E–.30 10 3.8b 6 10-95
IDC XI 22 00 58 38.3–1.6 12.07S 166.32E 0 3.8L,3.8b **¶621611884**
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=21.1km az=87.0.
IDC XI 25 16 04 32.4–1.9 10.42S 166.21E 0 3.7,3.5L
¶621618715
IDC Error ellipse: s-maj=33.7km s-min=29.7km az=66.0.
ISC XI 24 23 12 13.6–.45 10.71S–.05 166.07E–.05 145–3 4.8b 334 4-165
BJI XI 24 23 12 13.2 10.15S 166.28E 143 5.0b,4.8b **¶621464949**
NEIC XI 24 23 12 13.1–.97 10.60S–.09 166.13E–.09 136–5 4.9b,4.8b
IDC XI 24 23 12 14.2–1.7 10.61S 166.08E 149–15 4.7,4.3b
GFZ XI 24 23 12 14.8–.69 11S–5.0 166E–4.0 156–6 6.1b,5.8
NOU XI 24 23 12 17.3 10.97S 165.77E 161 4.9b,5.8
GCMT XI 24 23 12 17.3–.30 10.43S–.04 166.06E–.03 164–5 4.8W,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Santa Cruz Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111242312A. Moment Tensor Solution. s12,c12; s82,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.49±.10 $M_{\theta\theta}$0.08±.17; $M_{\phi\phi}$1.41±.16; $M_{r\theta}$-0.71±.10; $M_{\theta\phi}$-0.53±.18; $M_{\phi r}$-1.08±.09; Best double couple: NP1:ϕ_s140.00000° ,δ36.00000°,λ-132.00000°. NP2:ϕ_s8.00000°,δ64.00000°,λ-64.00000°. Principal axes: T 1.8180,Plg16.0000°,Azm79.0000°; N 0.3440,Plg23.0000°,Azm176.0000° ; P -2.1660,Plg62.0000°,Azm318.0000° M_o1.99200×10^{16}
ISC XI 25 12 11 11.6–.68 10.81S–.09 166.5E–.10 10 4.5b 32 5-85
IDC XI 25 12 11 09.0–1.1 10.95S 166.50E 0 4.5b,4.5 **¶621618692**
NEIC XI 25 12 11 12.2–2.4 10.80S–.06 166.5E–.10 10–1 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 25 12 17 54.2–2.3 10.73S 166.01E 0 3.9,3.8b
¶621618694
IDC Error ellipse: s-maj=58.7km s-min=34.0km az=152.0.
IDC XI 26 11 17 58.7–2.2 11.09S 166.70E 0 4.1L,3.8
¶621621996
IDC Error ellipse: s-maj=58.9km s-min=32.3km az=152.0.
ISC XI 25 12 26 46.1–1.0 10.5S–.10 166.1E–.10 10 4.0b 9 6-85
IDC XI 25 12 26 43.9–1.2 10.58S 166.24E 0 4.0,3.9b **¶621618695**
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=22.0km az=143.0.
ISC XI 25 12 29 45.3–.83 11.0S–.10 166.6E–.10 10 4.2b 27 5-94
IDC XI 25 12 29 43.5–1.0 10.88S 166.59E 0 4.0L,4.0b **¶621618696**
NEIC XI 25 12 29 45.9–1.3 11.03S–.10 166.6E–.10 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 12 39 40.3–.54 10.98S–.07 166.40E–.07 10 4.8b 86 4-93
IDC XI 25 12 39 36.5–.73 11.18S 166.57E 0 4.2b,4.2 **¶621468769**
NEIC XI 25 12 39 40.4–2.0 10.87S–.09 166.49E–.09 10–1 4.9b,4.2
GFZ XI 25 12 39 41.8–.26 11S–5.0 166E–4.0 10 5.0L,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC XI 25 12 41 07.4–2.4 10.79S 166.28E 0 3.9b,3.9
¶621618697
IDC Error ellipse: s-maj=155.3km s-min=29.1km az=144.0.
IDC XI 25 12 43 20.9–1.9 11.15S 166.62E 0 4.6s,4.0L
¶621618698
IDC Error ellipse: s-maj=41.7km s-min=26.4km az=171.0.
ISC XI 25 12 46 27.2–.60 10.80S–.09 166.52E–.08 10 4.8b 45 5-96
IDC XI 25 12 46 25.3–.72 10.88S 166.55E 0 4.9s,4.3b **¶621468764**
NEIC XI 25 12 46 28.0–2.2 10.80S–.10 166.53E–.09 10–1 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 25 12 50 28.4–2.2 10.91S 166.52E 0 4.0L,3.9
¶621618699
IDC Error ellipse: s-maj=61.1km s-min=32.3km az=152.0.
ISC XI 25 12 55 58.8–1.1 10.7S–.10 166.3E–.10 10 4.0b 8 6-85
IDC XI 25 12 55 56.9–1.2 10.73S 166.36E 0 4.1,4.0b **¶621618701**
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=19.8km az=174.0.
IDC XI 25 13 09 00.6–19 10.63S 166.20E 0 3.8,3.7b
¶621618703
IDC Error ellipse: s-maj=334.8km s-min=28.7km az=51.0.
ISC XI 25 13 17 19.3–1.5 10.6S–.20 166.3E–.10 10 3.8b 9 6-83
IDC XI 25 13 17 17.3–1.6 10.66S 166.41E 0 3.9,3.8b **¶621618704**
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=23.0km az=31.0.
ISC XI 25 13 33 12.1–.70 10.8S–.10 166.42E–.08 10 4.2b 25 5-85
IDC XI 25 13 33 11.8–1.2 10.89S 166.44E 0 4.0,3.8L **¶621618707**
NEIC XI 25 13 33 12.1–1.2 10.77S–.09 166.44E–.10 10–1 4.5b,3.8L

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 13 44 18.6–.40 10.81S–.05 166.41E–.06 10 5.0b,4.7s 153 4-150
IDC XI 25 13 44 16.0–.55 10.81S 166.43E 0 4.8s,4.4b **¶621468766**
GFZ XI 25 13 44 17.6–.66 11S–7.0 167E–9.0 10 5.4b,5.3L
NEIC XI 25 13 44 18.6–2.4 10.83S–.07 166.52E–.05 14–3 5.0b,5.3L
GCMT XI 25 13 44 21.4–.30 10.83S–.02 166.46E–.03 13–1 5.3W,5.3L
NOU XI 25 13 44 22.3 10.76S 166.40E 42 4.9b,5.3L
BJI XI 25 13 44 22.2 10.90S 166.30E 51 5.4b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=12.3km az=71.0.
GFZ Error ellipse: s-maj=20.9km s-min=13.2km az=58.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.4km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111251344A. Moment Tensor Solution. s18,c19; s96,c127; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.09 $M_{\theta\theta}$0.62±.06; $M_{\phi\phi}$0.39±.05; $M_{r\theta}$-0.09±.12; $M_{\theta\phi}$-0.52±.03; $M_{\phi r}$-0.40±.15; Best double couple: NP1:ϕ_s112.00000°,δ43.00000°,λ-116.00000°. NP2:ϕ_s326.00000°,δ53.00000°,λ-68.00000°. Principal axes: T 1.0560,Plg5.0000°,Azm41.0000°; N 0.0940,Plg18.0000°,Azm132.0000° ; P -1.1520,Plg72.0000°,Azm295.0000° $M_0$1.10400×10^{17}
NOU Santa Cruz Islands.
ISC XI 25 13 55 00.5–.73 10.8S–.10 166.27E–.08 10 4.1b 25 5-85
IDC XI 25 13 54 59.3–1.2 10.83S 166.28E 0 4.0,3.9b **¶621618708**
NEIC XI 25 13 55 00.8–2.0 10.79S–.09 166.31E–.10 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 13 57 09.4–1.6 10.9S–.20 166.2E–.20 10 3.6b 6 6-83
IDC XI 25 13 57 07.8–1.9 10.87S 166.22E 0 3.7,3.6b **¶621618709**
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=28.9km az=68.0.
ISC XI 25 16 18 47.9–.47 10.80S–.06 166.32E–.06 10 4.9b,3.5s 67 5-150
IDC XI 25 16 18 46.7–.76 10.58S 166.31E 0 4.5L,4.2b **¶621618716**
NEIC XI 25 16 18 48.2–2.1 10.80S–.07 166.38E–.08 10–1 4.9b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 17 31 46.7–1.3 10.77S–.10 166.3E–.10 10 3.9b,3.3s 19 5-95
IDC XI 25 17 31 45.0–1.5 10.63S 166.34E 0 4.0L,3.9 **¶621618718**
NEIC XI 25 17 31 46.5–1.9 10.7S–.10 166.4E–.10 10–2 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 14 15 21.2–.63 10.58S–.08 166.56E–.07 10 4.4b,4.2s 44 5-99
NEIC XI 25 14 15 18.7–2.3 10.31S–.09 166.78E–.09 10–1 4.5b,4.2s **¶621468770**
IDC XI 25 14 15 21.9–1.0 10.97S 166.37E 0 4.2L,4.2s
GFZ XI 25 14 15 22.6–2.4 11S–21 166E–23 10 5.1L,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC XI 25 14 34 56.1–2.2 10.65S 166.34E 0 4.2L,3.7 ¶621618711
IDC Error ellipse: s-maj=58.4km s-min=33.0km az=155.0.
IDC XI 26 16 16 41.5–4.3 10.93S 166.26E 60–38 3.9,3.6L ¶621622013
IDC Error ellipse: s-maj=40.7km s-min=34.5km az=132.0.
ISC XI 26 17 07 03.0–1.3 10.9S–.10 166.2E–.10 10 3.8b,2.9s 16 5-83
IDC XI 26 17 07 01.6–1.9 10.86S 166.31E 0 3.9,3.8L **¶621622017**
NEIC XI 26 17 07 03.5–1.3 10.9S–.10 166.2E–.10 10–2 4.2b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 27 09 01 44.1–.93 11.6S–.10 166.4E–.10 35 4.1b,3.0s 35 4-94
IDC XI 27 09 01 38.9–1.1 11.60S 166.44E 0 4.7L,4.1b **¶621625116**
NEIC XI 27 09 01 43.5–.81 11.48S–.05 166.5E–.10 35–2 4.1b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 17 56 35.1–1.2 10.8S–.10 166.4E–.10 35 3.9b,2.8s 20 5-83
IDC XI 26 17 56 29.4–1.6 10.74S 166.52E 0 4.0,3.8L **¶621622024**
NEIC XI 26 17 56 31.8–1.2 10.72S–.09 166.47E–.09 10–2 4.2b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 27 18 42 47.9–.39 10.75S–.05 165.71E–.05 31 4.5s,4.5b 169 4-150
NEIC XI 27 18 42 48.9–1.3 10.70S–.08 165.81E–.08 35–1 4.6b,4.5b **¶621480536**
IDC XI 27 18 42 50.7–2.7 10.71S 165.64E 60–23 4.3L,4.3
NOU XI 27 18 42 54.4 11.22S 165.19E 133 4.8b,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.9km az=44.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.0km s-min=13.6km az=65.0.
NOU Santa Cruz Islands.
ISC XI 27 05 17 37.5–1.1 11.0S–.10 166.0E–.20 61 3.9b 6 6-86
IDC XI 27 05 17 38.9–3.9 11.06S 165.89E 77–36 4.1,3.7b **¶621625110**
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=26.8km az=148.0.
ISC XI 30 15 10 36.5–.98 10.7S–.10 166.3E–.10 36 4.0b 21 5-83
IDC XI 30 15 10 32.1–2.1 10.60S 166.26E 0 4.3L,3.8 **¶621627066**
NEIC XI 30 15 10 33.0–1.1 10.66S–.06 166.4E–.10 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 29 16 37 26.6–.34 12.50S–.05 166.63E–.05 150 4.5b 191 3-165
NOU XI 29 16 37 25.7 12.55S 166.56E 133 4.8b **¶621494358**
IDC XI 29 16 37 25.0–.82 12.42S 166.64E 136–6 4.4,4.0b
NEIC XI 29 16 37 26.4–1.5 12.48S–.07 166.68E–.09 139–5 4.5b,4.0b
ISC Event type se.
NOU Santa Cruz Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 01 14 23 45.5–1.0 12.99S–.09 167.2E–.20 150 3.9b 13 9-119
IDC XII 01 14 23 46.3–4.6 13.04S 167.16E 157–41 4.0,3.6b **¶621629822**
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=25.0km az=119.0.
ISC XII 04 19 27 27.7–.82 12.44S–.08 166.9E–.10 220 4.0b 31 3-118
NEIC XII 04 19 27 28.2–1.2 12.4S–.10 167.1E–.20 222–7 4.2b **¶621630685**
IDC XII 04 19 27 41.6–2.6 13.26S 167.10E 378–26 4.0,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=14.8km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=23.7km az=126.0.
ISC XII 05 22 34 37.0–.69 11.60S–.08 166.38E–.10 59 4.3b,3.3s 41 4-95
IDC XII 05 22 34 36.8–3.7 11.63S 166.35E 58–30 4.2,4.0L **¶621631279**
NEIC XII 05 22 34 37.1–.54 11.51S–.08 166.5E–.10 57–6 4.5b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 06 19 33 47.2–4.9 12.68S 167.96E 0 3.7b,3.7 ¶621632620
IDC Error ellipse: s-maj=235.0km s-min=31.8km az=142.0.
ISC XII 06 19 39 23.6–.47 12.37S–.06 165.91E–.08 40 4.4b,3.7s 94 3-165
IDC XII 06 19 39 17.9–.61 12.35S 165.98E 0 4.4L,4.2b **¶621615793**
NEIC XII 06 19 39 19.5–1.6 12.27S–.08 166.1E–.10 10–1 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 10 00 18 24.6–.42 11.75S–.07 165.16E–.07 10 4.7b,3.8s 120 4-151
BJI XII 10 00 18 20.9 11.61S 165.85E 10 5.2b,4.8b **¶621626215**
IDC XII 10 00 18 23.3–.61 11.73S 165.11E 0 4.4b,4.4
GFZ XII 10 00 18 24.1–.39 12S–4.0 165E–6.0 10 5.6,5.5b
NEIC XII 10 00 18 25.4–1.4 11.75S–.08 165.22E–.10 10–1 4.8b,5.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 10 16 52 28.1–.79 10.63S–.09 165.61E–.10 31 4.3b,3.2s 32 5-84
IDC XII 10 16 52 24.4–1.2 10.51S 165.47E 0 4.6L,4.0 **¶621644136**
NEIC XII 10 16 52 29.3–1.2 10.6S–.10 165.59E–.10 35–2 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 11 20 08 03.3–3.0 13.0S–.60 167.4E–.50 35 3.5b 6 32-119
IDC XII 11 20 07 58.0–3.1 12.92S 167.43E 0 3.7b,3.6 **¶621644210**
ISC Event type se.
IDC Error ellipse: s-maj=128.5km s-min=31.2km az=142.0.
ISC XII 11 09 08 20.1–.90 11.46S–.09 165.5E–.10 24 4.1b,3.3s 27 4-94
IDC XII 11 09 08 17.0–1.1 11.27S 165.37E 0 4.1L,4.1b **¶621644179**
NEIC XII 11 09 08 18.0–.33 11.28S–.04 165.5E–.20 10–2 4.1b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 14 05 17 56.7–1.6 10.75S 165.60E 0 3.8b,3.8 ¶621652880
IDC Error ellipse: s-maj=59.5km s-min=34.0km az=139.0.
IDC XII 12 12 09 24.1–1.6 11.02S 165.48E 0 3.7,3.6L ¶621650505
IDC Error ellipse: s-maj=39.7km s-min=28.2km az=99.0.
ISC XII 18 13 53 36.1–.58 12.59S–.07 166.65E–.08 100 4.4b 58 3-118
IDC XII 18 13 53 34.6–3.1 12.52S 166.66E 86–26 4.2,3.8b **¶621657007**
NEIC XII 18 13 53 35.8–2.4 12.53S–.09 166.7E–.10 94–8 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 14 04 11 42.0–4.0 11.44S 165.83E 0 3.8b,3.7 ¶621652867
IDC Error ellipse: s-maj=227.4km s-min=28.6km az=141.0.
ISC XII 23 02 55 53.7–.83 10.55S–.08 166.1E–.10 155 4.2b 32 5-85
NEIC XII 23 02 55 51.8–1.5 10.39S–.10 166.2E–.10 131–10 4.5b **¶621686799**
IDC XII 23 02 55 53.6–1.5 10.30S 165.85E 146–12 3.9,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=14.3km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.5km s-min=20.3km az=134.0.
IDC XII 24 04 38 48.6–4.3 11.72S 166.96E 0 3.7b,3.7 ¶621700069
IDC Error ellipse: s-maj=194.5km s-min=31.1km az=138.0.
ISC XII 31 14 29 23.3–1.8 12.0S–.30 166.9E–.30 220 3.5b 10 32-95
IDC XII 31 14 28 56.7–2.1 11.94S 167.27E 0 3.9b,3.9 **¶621726066**
ISC Event type se.
IDC Error ellipse: s-maj=66.8km s-min=27.2km az=132.0.
ISC XII 28 15 31 48.9–.55 12.45S–.06 167.09E–.10 220 4.2b 78 3-152
NEIC XII 28 15 31 48.5–1.0 12.39S–.08 167.2E–.10 216–5 4.4b **¶621655827**
IDC XII 28 15 31 48.5–2.3 12.48S 167.04E 214–20 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=11.1km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=16.6km az=130.0.

(185) Vanuatu Islands region.

IDC VII 20 21 31 28.8–1.9 19.01S 167.57E 0 3.8b,3.8 ¶620961614
IDC Error ellipse: s-maj=47.8km s-min=20.1km az=102.0.
ISC VII 24 02 06 47.8–.34 14.51S–.05 171.86E–.06 600 4.4b 266 5-155
NOU VII 24 02 06 47.9 14.56S 171.93E 629 4.8b **¶620845587**
IDC VII 24 02 06 48.7–1.2 14.47S 171.73E 613–15 4.9,3.9b
NEIC VII 24 02 06 49.2–2.1 14.5S–.10 171.9E–.10 612–7 4.4b,3.9b
GFZ VII 24 02 06 49.1–.38 15S–5.0 172E–4.0 617–6 4.5b,4.5
ISC Event type se.
NOU Vanuatu Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 30 03 21 39.0–.64 14.9S–.10 171.61E–.10 10 4.2b 25 7-170
IDC VII 30 03 21 37.2–.80 14.92S 171.55E 0 4.1b,4.0 **¶620986037**
NEIC VII 30 03 21 39.8–2.2 14.9S–.20 171.67E–.05 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 04 05 55 11.8–.59 20.48S–.04 172.74E–.04 26–3 5.3b,5.1s 722 5-169
IDC VIII 04 05 55 07.9–.39 20.49S 172.65E 0 4.8b,4.8 **¶621237415**
NEIC VIII 04 05 55 09.9–2.6 20.55S–.03 172.63E–.08 8–1 5.3b,5.1
NEIC VIII 04 05 55 09.7 20.55S 172.63E 6 5.3b,5.1
NEIC VIII 04 05 55 10.1 20.55S 172.84E 12 5.5,5.1
MOS VIII 04 05 55 10.4–1.1 20.49S 172.56E 22 5.4b,5.2s
GFZ VIII 04 05 55 11.7–.31 20S–2.0 173E–3.0 25–2 5.4,5.2b
GFZ VIII 04 05 55 11.7 20.44S 172.65E 30 5.6W,5.2b
BJI VIII 04 05 55 11.0 20.40S 172.70E 22 5.6b,5.3s
NOU VIII 04 05 55 12.6 20.40S 172.68E 27 5.2b,5.3s
GCMT VIII 04 05 55 14.0–.10 20.47S–.01 172.52E–.01 12–0 5.6W,5.3s
BGR VIII 04 05 55 14.5 19.61S 173.65E 33 5.2s,5.3s
ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=11.4km az=140.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=4.7km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77 $M_{\theta\theta}$0.65 $M_{\phi\phi}$1.11 $M_{r\theta}$0.30 $M_{\theta\phi}$1.65 $M_{\phi r}$0.10 NP1:ϕ_s31.68000°,δ42.19000°,λ-103.52000°. NP2:ϕ_s229.66000°,δ49.24000°,λ-78.03000°. Principal axes: T 2.5710,Plg4.0000°,Azm311.0000°; N -0.7605,Plg9.0000°,Azm42.0000° ; P -1.8105,Plg80.0000°,Azm200.0000° $M_0$2.29000×10^{17}
MOS Error ellipse: s-maj=8.9km s-min=8.0km az=112.3.
GFZ Error ellipse: s-maj=6.1km s-min=5.3km az=85.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.84 $M_{\theta\theta}$0.20 $M_{\phi\phi}$1.64 $M_{r\theta}$0.42 $M_{\theta\phi}$2.23 $M_{\phi r}$1.52 NP1: ϕ_s194.27458°,δ64.64696°,λ-117.92283°. NP2:ϕ_s65.33844°,δ37.01494°,λ-45.33746°. Principal axes: T 3.6673,Plg15.1787°,Azm304.3401°; N -1.1624,Plg25.0355°,Azm207.0605° ; P -2.5049,Plg60.1566°,Azm62.5613° $M_0$3.24613×10^{17}
NOU Vanuatu Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108040555A. Moment Tensor Solution. s124,c237; s161,c339;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.42±.03 $M_{\theta\theta}$-0.04±.03; $M_{\phi\phi}$1.46±.03; $M_{r\theta}$0.90±.09; $M_{\theta\phi}$2.33±.02; $M_{\phi r}$0.47±.07; Best double couple: NP1: ϕ_s179.00000°,δ61.00000°,λ-150.00000°. NP2:ϕ_s73.00000°,δ64.00000°,λ-32.00000°. Principal axes: T 3.1630,Plg2.0000°,Azm126.0000°; N -0.5640,Plg49.0000°,Azm219.0000° ; P -2.5980,Plg41.0000°,Azm35.0000° $M_0$2.88000×10^{17}

BGR Event type ke.
IDC VIII 05 04 44 14.3–1.7 13.99S 164.47E 0 4.3s,3.7b ¶620998785
IDC Error ellipse: s-maj=37.2km s-min=22.5km az=70.0.
GCMT VIII 04 06 27 48.7–.40 20.40S–.02 172.58E–.02 12 4.8W
GCMT VIII 04 06 27 52.0 20.50S 172.50E 10 4.8s **¶621661284**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202108040627A. Moment Tensor Solution. s13,c14; s64,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44±.10 $M_{\theta\theta}$-0.14±.11; $M_{\phi\phi}$0.58±.10; $M_{r\theta}$0.03±.28; $M_{\theta\phi}$1.92±.06; $M_{\phi r}$-0.13±.26; Best double couple: NP1:ϕ_s265.00000°,δ86.00000°,λ-2.00000°. NP2:ϕ_s355.00000°,δ88.00000°,λ-176.00000°. Principal axes: T 2.1760,Plg2.0000°,Azm130.0000°; N -0.4340,Plg85.0000°,Azm20.0000° ; P -1.7430,Plg5.0000°,Azm220.0000° $M_0$1.95900×10^{16}
ISC VIII 31 18 24 41.2–.59 14.35S–.08 170.29E–.09 600 4.0b 66 3-121
NEIC VIII 31 18 24 41.7–1.9 14.4S–.10 170.3E–.10 609–10 4.1b **¶621076630**
IDC VIII 31 18 24 42.5–2.2 14.49S 170.32E 632–43 3.9,2.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=16.0km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.9km s-min=18.9km az=151.0.
ISC VIII 05 00 49 14.4–.79 20.4S–.20 172.6E–.10 35 3.8b,3.6s 10 6-147
IDC VIII 05 00 49 09.3–1.0 20.40S 172.62E 0 3.7b,3.7 **¶620998775**
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=17.5km az=156.0.
ISC VIII 07 22 05 01.7–.64 20.5S–.10 172.64E–.10 10 4.1b,3.7s 20 5-147
IDC VIII 07 22 05 00.2–2.2 20.41S 172.67E 0 4.1b,4.0 **¶621000744**
NEIC VIII 07 22 05 01.9–1.4 20.5S–.10 172.63E–.05 10–2 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 06 12 48 00.0–6.4 20.52S 172.95E 0 3.6b,3.6 ¶620998899
IDC Error ellipse: s-maj=295.1km s-min=36.7km az=149.0.
ISC VIII 11 04 20 41.8–.46 20.70S–.10 172.79E–.07 10 4.8b,3.9s 115 5-161
IDC VIII 11 04 20 40.1–.61 20.65S 172.74E 0 4.3b,4.2 **¶621009314**
NEIC VIII 11 04 20 42.8–1.0 20.75S–.09 172.77E–.09 10–1 5.0b,4.2
GCMT VIII 11 04 20 45.8–.30 20.42S–.02 172.64E–.02 14–1 4.9W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108110420A. Moment Tensor Solution. s41,c48; s102,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.24±.13 $M_{\theta\theta}$0.69±.11; $M_{\phi\phi}$0.54±.10; $M_{r\theta}$0.16±.20; $M_{\theta\phi}$2.71±.08; $M_{\phi r}$-0.40±.19; Best double couple: NP1:ϕ_s269.00000°,δ73.00000° ,λ-14.00000°. NP2:ϕ_s3.00000°,δ76.00000°,λ-163.00000°. Principal axes: T 3.3390,Plg2.0000°,Azm136.0000°; N -1.0900,Plg68.0000°,Azm40.0000° ; P -2.2440,Plg22.0000°,Azm226.0000° $M_0$2.79100×10^{16}
ISC VIII 12 17 23 52.7–.73 13.9S–.10 170.5E–.10 628 3.5b 15 8-126
IDC VIII 12 17 23 53.6–1.9 13.96S 170.40E 638–23 4.1,3.0b **¶621009439**
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=18.2km az=60.0.
ISC VIII 12 17 46 52.0–.59 20.6S–.10 172.74E–.10 35 4.1b,3.6s 63 5-161
IDC VIII 12 17 46 45.8–.95 20.81S 172.87E 0 3.9b,3.9 **¶621009442**
NEIC VIII 12 17 46 48.6–1.9 20.5S–.10 172.78E–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 11 28 08.9–1.6 13.8S–.50 171.3E–.40 600 3.8b 7 33-120
IDC VIII 14 11 28 10.3–3.3 13.82S 171.27E 615–35 4.0,3.0b **¶621013484**
ISC Event type se.
IDC Error ellipse: s-maj=83.3km s-min=22.3km az=143.0.
IDC IX 09 21 44 59.1–84 13.66S 169.02E 0 3.9b,3.9 ¶621105911
IDC Error ellipse: s-maj=1422.0km s-min=129.6km az=64.0.
ISC IX 27 19 18 00.3–.85 14.1S–.10 170.5E–.10 628 3.8b 25 3-120
IDC IX 27 19 17 59.6–2.0 14.00S 170.41E 620–24 3.8,2.6b **¶621140734**
NEIC IX 27 19 18 00.7–2.2 14.1S–.20 170.54E–.10 635–13 4.2b,2.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 02 06 29 18.6–.16 21.11S–.03 174.95E–.02 541–1 6.4b 2718 4-170
BJI X 02 06 29 15.9 21.10S 175.00E 530 6.8b,6.4b **¶621116405**
PTWC X 02 06 29 16 20.90S 174.90E 486 7.2,6.4b
NEIC X 02 06 29 17.9–1.4 21.13S–.09 174.90E–.09 527–1 7.3,6.4b
MOS X 02 06 29 17.9–.93 21.06S 174.87E 538 6.5b,6.4b
NOU X 02 06 29 18.3 21.07S 174.88E 530 6.7,6.4b
IDC X 02 06 29 18.6–.33 21.14S 174.90E 540–3 6.5,5.6b
GFZ X 02 06 29 18.6–.29 21S–2.0 175E–2.0 525–3 6.8b,6.7
GFZ X 02 06 29 18.4 21.05S 174.75E 529 7.2W,6.7
NEIC X 02 06 29 18.5 21.09S 174.90E 533 7.2W,6.7
IPGP X 02 06 29 18.0 21.10S 174.90E 548 7.3W,6.7
NEIC X 02 06 29 19.4 21.09S 174.90E 545 7.3W,6.7
GCMT X 02 06 29 24.9–.10 21.14S–.01 174.66E–.01 545–0 7.3W,6.7
NEIC X 02 06 29 39.3 21.19S 174.79E 560 7.3,6.7
ISC Event type se.
PTWC VANUATU REGION.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=14.4km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-4.14 $M_{\theta\theta}$6.14 $M_{\phi\phi}$-2.00 $M_{r\theta}$-1.90 $M_{\theta\phi}$4.42 $M_{\phi r}$-6.11 NP1:ϕ_s281.41000°,δ41.07000°,λ-26.13000°. NP2:ϕ_s31.71000°,δ73.18000° ,λ-128.04000°. Principal axes: T 9.5468,Plg19.0000°,Azm149.0000°; N -0.1384,Plg36.0000° ,Azm44.0000°; P -9.4084,Plg48.0000°,Azm262.0000° $M_0$9.48000×10^{19}
MOS Error ellipse: s-maj=6.9km s-min=6.4km az=86.9.
NOU Vanuatu Islands Region.
IDC Error ellipse: s-maj=6.4km s-min=6.0km az=40.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-4.27 $M_{\theta\theta}$6.35 $M_{\phi\phi}$-2.08 $M_{r\theta}$-1.11 $M_{\theta\phi}$4.20 $M_{\phi r}$-4.82 NP1: ϕ_s33.78262°,δ69.07118°,λ-132.29074°. NP2:ϕ_s282.34298°,δ46.29579°,λ-29.61178°. Principal axes: T 8.7811,Plg13.6495°,Azm153.0993°; N -0.4316,Plg38.9394°,Azm51.7831° ; P -8.3495,Plg47.8294°,Azm258.6500° $M_0$8.57344×10^{19}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s285.00000°,δ40.00000°,λ-29.00000°. NP2:ϕ_s38.00000° ,δ72.00000°,λ-126.00000°.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=150s. Triangular moment-rate function. ID: C202110020629A. Moment Tensor Solution. s169,c491; s167,c437;Duration: 10s7 Moment tensor: Scale 10^{20}Nm; M_{rr}-0.53±.00 $M_{\theta\theta}$0.77±.00; $M_{\phi\phi}$-0.23±.00; $M_{r\theta}$-0.17±.00; $M_{\theta\phi}$0.52±.00; $M_{\phi r}$-0.62±.00; Best double couple: NP1:ϕ_s282.00000°,δ44.00000°,λ-29.00000°. NP2:ϕ_s34.00000°,δ70.00000°,λ-130.00000°. Principal axes: T 1.0970,Plg15.0000°,Azm152.0000°; N -0.0580,Plg37.0000°,Azm50.0000° ; P -1.0400,Plg49.0000°,Azm260.0000° $M_0$1.06800×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 21s8 Moment tensor: Scale 10^{20}Nm; M_{rr}-0.62 $M_{\theta\theta}$0.80 $M_{\phi\phi}$-0.18 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.59 $M_{\phi r}$-0.55 NP1:ϕ_s277.93000°,δ46.83000° ,λ-34.72000°. NP2:ϕ_s33.29000°,δ65.45000°,λ-131.23000°. Principal axes: T 1.1366,Plg11.0000°,Azm152.0000°; N -0.1052,Plg37.0000°,Azm53.0000° ; P -1.0315,Plg51.0000°,Azm255.0000° $M_0$1.09000×10^{20}
ISC X 02 11 01 18.4–.59 21.17S–.10 174.42E–.10 500 4.0b 87 5-162
NEIC X 02 11 01 19.9–1.1 21.2S–.20 174.45E–.10 517–12 4.1b **¶621186059**
IDC X 02 11 01 19.4–1.5 21.19S 174.51E 519–16 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=7.9km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.0km s-min=16.7km az=142.0.
ISC X 02 06 45 26.2–.47 21.49S–.07 174.65E–.08 550 4.6b 192 5-149
IDC X 02 06 45 24.9–1.2 21.54S 174.62E 529–13 4.8,3.8b **¶621116406**
NEIC X 02 06 45 24.5–.94 21.6S–.10 174.69E–.09 526–10 4.7b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 06 04 10.3–.30 21.35S–.04 174.51E–.04 525–3 5.3b 1076 5-169
BGR X 12 06 03 10.6 22.83S 175.85E 33 5.3b **¶621630051**
BJI X 12 06 04 09.2 21.01S 174.74E 518 5.3b,5.2b
IDC X 12 06 04 10.7–.45 21.40S 174.40E 523–4 5.6,4.7b
NEIC X 12 06 04 10.7–.94 21.39S–.09 174.45E–.10 519–7 5.3b,4.7b
GFZ X 12 06 04 10.6–.38 21S–4.0 174E–3.0 517–7 5.8b,5.5b
GFZ X 12 06 04 10.8 21.35S 174.42E 519 5.4W,5.5b
NOU X 12 06 04 10.1 21.31S 174.47E 519 5.5b,5.5b
MOS X 12 06 04 10.2–.91 21.40S 174.42E 527 5.1b,5.5b
NEIC X 12 06 04 11.5 21.08S 174.35E 520 5.4,5.5b
NEIC X 12 06 04 11 21.38S 174.46E 518 5.4,5.5b
GCMT X 12 06 04 14.0–.20 21.47S–.02 174.23E–.02 532–1 5.5W,5.5b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.28 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$1.31 $M_{r\theta}$-0.43 $M_{\theta\phi}$1.67 $M_{\phi r}$-1.55 NP1:ϕ_s254.20000°,δ63.90000°,λ17.78000°. NP2:ϕ_s156.17000°,δ74.08000° ,λ152.77000°. Principal axes: T 3.0037,Plg30.0000°,Azm113.0000°; N -0.6145,Plg59.0000° ,Azm308.0000°; P -2.3893,Plg7.0000°,Azm207.0000° $M_0$2.75000×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202110091058A. Moment Tensor Solution. s168,c469; s163,c397;Duration: 7s0 Moment tensor: Scale 10^{19}Nm; M_{rr}0.25±.01 $M_{\theta\theta}$-1.99±.01; $M_{\phi\phi}$1.73±.01; $M_{r\theta}$-0.35±.01; $M_{\theta\phi}$1.80±.01; $M_{\phi r}$-1.32±.01; Best double couple: NP1:ϕ_s250.00000°,δ69.00000°,λ16.00000°. NP2:ϕ_s154.00000°,δ75.00000°,λ159.00000°. Principal axes: T 3.1020,Plg25.0000°,Azm111.0000°; N -0.3810,Plg64.0000°,Azm301.0000° ; P -2.7300,Plg4.0000°,Azm203.0000° $M_0$2.91600×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 11s6 Moment tensor: Scale 10^{19}Nm; M_{rr}0.28 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$1.69 $M_{r\theta}$-0.71 $M_{\theta\phi}$1.66 $M_{\phi r}$-0.88 NP1:ϕ_s153.73000°,δ68.33000° ,λ168.15000°. NP2:ϕ_s248.17000°,δ79.00000°,λ22.10000°. Principal axes: T 2.7965,Plg23.0000°,Azm113.0000°; N -0.1445,Plg65.0000°,Azm273.0000° ; P -2.6520,Plg7.0000°,Azm19.0000° $M_0$2.73000×10^{19}
ISC X 02 14 48 36.5–.51 21.07S–.09 174.53E–.08 550 4.1b 91 5-151
IDC X 02 14 48 35.1–1.6 21.19S 174.52E 525–17 4.4,3.4b **¶621186069**
NEIC X 02 14 48 36.1–1.2 21.21S–.09 174.5E–.10 526–11 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 04 13 21.2–.20 21.46S–.03 174.56E–.03 529–1 5.5b 1775 5-170
BJI XI 26 04 13 19.2 21.15S 174.77E 518 5.4b,5.2b **¶621883595**
BGR XI 26 04 13 20.1 22.14S 174.43E 530–3 5.4b,5.2b
MOS XI 26 04 13 20.3–1.1 21.42S 174.42E 516 5.5b,5.2b
NOU XI 26 04 13 21.6 21.41S 174.45E 523 5.4,5.2b
NEIC XI 26 04 13 21 21.47S 174.52E 512 5.4,5.2b
NEIC XI 26 04 13 21 21.43S 174.49E 512 5.4,5.2b
IPGP XI 26 04 13 21.0 21.43S 174.48E 526 5.8W,5.2b
NEIC XI 26 04 13 21.1–2.0 21.46S–.07 174.52E–.06 513–1 5.9,5.4b
IDC XI 26 04 13 21.3–.41 21.48S 174.47E 526–4 5.6,4.7b
GFZ XI 26 04 13 21.6–.28 21S–2.0 174E–2.0 521–3 6.0b,5.6b
GFZ XI 26 04 13 21.7 21.44S 174.43E 523 5.8W,5.6b
GCMT XI 26 04 13 25.4–.10 21.53S–.01 174.36E–.01 535–0 5.8W,5.6b
NEIC XI 26 04 13 26.4 21.33S 174.49E 530 5.8,5.6b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=8.0km s-min=7.0km az=84.8.
NOU Vanuatu Islands Region.
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s142.00000°,δ12.00000°,λ-109.00000°. NP2:ϕ_s341.00000° ,δ78.00000°,λ-86.00000°.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.4km az=31.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.53 $M_{\theta\theta}$0.43 $M_{\phi\phi}$0.10 $M_{r\theta}$0.33 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.79 NP1:ϕ_s231.70000°,δ19.23000°,λ-34.53000°. NP2:ϕ_s354.71000°,δ79.24000° ,λ-106.03000°. Principal axes: T 0.6368,Plg32.0000°,Azm98.0000°; N 0.5338,Plg16.0000°

,Azm358.0000°; P -1.1706,Plg53.0000°,Azm246.0000° $M_0$1.02000×10^{18}
IDC Error ellipse: s-maj=8.1km s-min=6.9km az=160.0.
GFZ Error ellipse: s-maj=4.5km s-min=3.8km az=151.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.65 $M_{\theta\theta}$1.58 $M_{\phi\phi}$1.07 $M_{r\theta}$1.42 $M_{\theta\phi}$-0.31 $M_{\phi r}$-5.32 NP1: ϕ_s139.50685°,δ10.73889°,λ-112.85837°. NP2:ϕ_s342.72982°,δ80.11330°,λ-85.78650°. Principal axes: T 5.1708,Plg34.9815°,Azm69.0943°; N 1.3765,Plg4.1508°,Azm162.0051° ; P -6.5473,Plg54.6996°,Azm257.8880° $M_0$5.97907×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202111260413A. Moment Tensor Solution. s145,c296; s98,c106;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.25±.05 $M_{\theta\theta}$2.97±.08; $M_{\phi\phi}$0.27±.08; $M_{r\theta}$2.46±.08; $M_{\theta\phi}$0.24±.07; $M_{\phi r}$-5.87±.07; Best double couple: NP1: ϕ_s101.00000°,δ14.00000°,λ-138.00000°. NP2:ϕ_s330.00000°,δ81.00000°,λ-80.00000°. Principal axes: T 5.4190,Plg35.0000°,Azm51.0000°; N 2.6070,Plg10.0000°,Azm148.0000° ; P -8.0270,Plg53.0000°,Azm251.0000° $M_0$6.72300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.65 $M_{\theta\theta}$3.08 $M_{\phi\phi}$-0.43 $M_{r\theta}$2.22 $M_{\theta\phi}$0.46 $M_{\phi r}$-5.69 NP1:ϕ_s85.06000°,δ15.27000° ,λ-152.27000°. NP2:ϕ_s328.17000°,δ82.96000°,λ-76.42000°. Principal axes: T 4.9736,Plg37.0000°,Azm46.0000°; N 2.7435,Plg13.0000°,Azm146.0000° ; P -7.7171,Plg50.0000°,Azm253.0000° $M_0$6.78000×10^{17}

ISC	**X**	**22 17 31 32.2–.51**	**17.88S–.04**	**165.03E–.07**	**10**	**4.5b,3.1s**	**65**	**3-152**	
NEIC	X	22 17 31 32.6–2.0	17.86S–.06	164.92E–.05	10–1	4.6b,3.1s			**¶621309337**
IDC	X	22 17 31 32.1–.80	17.85S	164.92E	0	4.2b,4.2			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.3km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	Error ellipse: s-maj=25.8km s-min=14.3km az=72.0.								
IDC	**XI**	**09 22 28 15.0–8.4**	**14.46S**	**164.97E**	**0**	**4.0b,3.9**			
									¶621423171
IDC	Error ellipse: s-maj=145.6km s-min=23.4km az=52.0.								
IDC	**XII**	**09 07 38 19.5–56**	**13.57S**	**170.57E**	**0**	**4.1b,4.1**			
									¶621636561
IDC	Error ellipse: s-maj=960.7km s-min=123.3km az=66.0.								
ISC	**XII**	**03 17 12 37.3–.53**	**13.90S–.08**	**170.14E–.09**	**600**	**4.0b**	**58**	**3-120**	
NEIC	XII	03 17 12 38.5–1.4	13.9S–.10	170.2E–.10	617–8	4.1b			**¶621630609**
IDC	XII	03 17 12 39.1–1.6	14.08S	170.15E	627–24	4.2,3.0b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=16.7km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	Error ellipse: s-maj=26.6km s-min=17.8km az=149.0.								
ISC	**XII**	**15 22 43 51.8–1.1**	**13.7S–.20**	**172.2E–.10**	**550**	**3.7b**	**7**	**7-120**	
IDC	XII	15 22 43 53.1–4.2	14.01S	172.29E	573–76	4.0,3.0b			**¶621654147**

ISC Event type se.
IDC Error ellipse: s-maj=125.4km s-min=21.2km az=158.0.

ISC	**XII**	**29 12 29 10.2–1.0**	**19.44S–.07**	**167.8E–.10**	**26**	**3.9b,3.2s**	**20**	**3-142**	
IDC	XII	29 12 29 07.8–1.8	19.35S	167.61E	0	4.0b,4.0			**¶621724215**
NEIC	XII	29 12 29 07.4–1.9	19.37S–.04	167.8E–.10	10–2	4.1b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**20 17 42 56.8–7.9**	**15.00S**	**164.74E**	**0**	**3.8b,3.8**			
									¶621685629
IDC	Error ellipse: s-maj=138.1km s-min=22.4km az=50.0.								
ISC	**XII**	**29 14 30 16.5–1.7**	**13.7S–.30**	**170.2E–.20**	**650**	**3.8b**	**9**	**9-126**	
IDC	XII	29 14 30 17.3–2.9	13.62S	170.07E	654–35	4.1,3.0b			**¶621724220**

ISC Event type se.
IDC Error ellipse: s-maj=66.6km s-min=23.4km az=157.0.

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ISC	**VII**	**01 15 07 36.7–.38**	**13.49S–.04**	**167.36E–.04**	**203–3**	**4.7b**	**630**	**2-170**	
NEIC	VII	01 15 07 36.2–1.4	13.48S–.08	167.30E–.07	194–5	4.7b			**¶620676526**
BJI	VII	01 15 07 36.5	13.11S	167.09E	190	5.0b,4.8b			
IDC	VII	01 15 07 37.3–.65	13.48S	167.25E	202–5	4.9,4.4b			
NOU	VII	01 15 07 38.2	13.46S	167.27E	214	4.8b,4.4b			
GFZ	VII	01 15 07 39.1–.50	13S–4.0	167E–4.0	214–4	4.8b,4.8			
GCMT	VII	01 15 07 40.0–.20	13.53S–.02	167.11E–.02	215–1	5.1W,4.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107011507A. Moment Tensor Solution. s60,c69; s108,c163; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.38±.14 $M_{\theta\theta}$-0.35±.15; $M_{\phi\phi}$-4.03±.15; $M_{r\theta}$0.31±.14; $M_{\theta\phi}$-0.51±.18; $M_{\phi r}$-3.68±.15; Best double couple: NP1:ϕ_s14.00000°,δ25.00000° ,λ103.00000°. NP2:ϕ_s180.00000°,δ66.00000°,λ84.00000°. Principal axes: T 5.7980,Plg69.0000°,Azm78.0000°; N -0.3610,Plg6.0000°,Azm182.0000° ; P -5.4390,Plg20.0000°,Azm274.0000° $M_0$5.61900×10^{16}

ISC	**VII**	**01 17 16 09.6–1.6**	**20.9S–.40**	**169.8E–.20**	**10**	**3.7b,3.5s**	**13**	**3-146**	
IDC	VII	01 17 16 08.6–1.9	20.70S	169.78E	0	3.7b,3.7			**¶620927682**

ISC Event type se.
IDC Error ellipse: s-maj=68.5km s-min=16.8km az=145.0.

IDC	**VII**	**01 23 08 13.6–3.9**	**15.22S**	**169.41E**	**0**	**4.0,3.9b**			
									¶620927700
IDC	Error ellipse: s-maj=140.8km s-min=23.6km az=3.0.								
ISC	**VII**	**02 02 24 42.1–.98**	**19.93S–.07**	**168.71E–.09**	**35**	**4.0b,3.6s**	**12**	**1-145**	
NOU	VII	02 02 24 38.3	19.87S	168.54E	0	3.8,3.6s			**¶620927708**
IDC	VII	02 02 24 41.0–2.1	19.49S	168.00E	0	4.1b,4.0			

ISC Event type se.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=57.4km s-min=22.3km az=114.0.

ISC	**VII**	**02 14 27 02.3–.53**	**19.27S–.04**	**169.20E–.06**	**155–4**	**4.7b**	**238**	**0-147**	
GFZ	VII	02 14 27 01.6–.27	19S–4.0	169E–4.0	145	4.6b,4.6			**¶620714066**
NEIC	VII	02 14 27 01.9–.99	19.24S–.07	169.27E–.09	145–7	4.7b,4.6			
NOU	VII	02 14 27 02.0	19.26S	169.14E	155	4.8b,4.6			
IDC	VII	02 14 27 03.5–1.2	19.26S	169.11E	166–10	4.6,4.2b			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.7km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=14.2km s-min=9.3km az=147.0.

ISC	**VII**	**02 18 01 48.0–.67**	**14.78S–.06**	**167.17E–.08**	**100**	**4.5b**	**95**	**1-120**	
NEIC	VII	02 18 01 48.9–2.3	14.81S–.07	167.2E–.10	105–5	4.5b			**¶620733294**
NOU	VII	02 18 01 49.6	14.74S	166.97E	29	4.7			
IDC	VII	02 18 01 50.4–3.1	14.77S	167.04E	126–26	4.2,3.7b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=9.9km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=29.2km s-min=17.8km az=74.0.

ISC	**VII**	**03 08 01 31.4–.68**	**19.94S–.05**	**168.37E–.06**	**25**	**4.2b**	**29**	**1-145**	
IDC	VII	03 08 01 29.1–2.7	19.75S	168.36E	0	4.0b,3.9			**¶620927798**
NOU	VII	03 08 01 30.2	20.00S	168.62E	18	3.9,3.9			
NEIC	VII	03 08 01 33.0–1.1	20.28S–.07	168.38E–.04	10–1	4.0b,3.9			

ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU	**VII**	**04 05 01 03.9**	**20.73S**	**169.69E**	**45**	**3.7**			
									¶620967559
NOU	Vanuatu Islands.								
IDC	**VII**	**04 19 28 05.2–15**	**16.01S**	**167.50E**	**172–98**	**4.0,3.5b**			
									¶620927898
IDC	Error ellipse: s-maj=299.6km s-min=98.3km az=71.0.								
ISC	**VII**	**04 23 32 31.5–.32**	**17.70S–.03**	**167.74E–.04**	**19**	**4.8b,4.1s**	**213**	**1-157**	
IDC	VII	04 23 32 28.1–.54	17.60S	167.80E	0	4.6b,4.6			**¶621112200**
NOU	VII	04 23 32 29.2	17.75S	167.70E	16	4.8b,4.6			
NEIC	VII	04 23 32 30.5–2.1	17.62S–.04	167.74E–.08	10–1	4.8b,4.6			
BJI	VII	04 23 32 32.0	18.00S	167.50E	10	4.9b,4.9b			
GFZ	VII	04 23 32 32.9–.25	18S–4.0	168E–4.0	30	4.9b,4.9			
GCMT	VII	04 23 32 33.9–.20	17.70S–.02	167.58E–.01	21–0	5.0W,4.9			

ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107042332A. Moment Tensor Solution. s50,c57; s103,c147; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.17 $M_{\theta\theta}$-0.10±.10; $M_{\phi\phi}$-3.33±.11; $M_{r\theta}$0.77±.22; $M_{\theta\phi}$0.21±.08; $M_{\phi r}$-2.29±.18; Best double couple: NP1:ϕ_s4.00000°,δ28.00000° ,λ104.00000°. NP2:ϕ_s168.00000°,δ63.00000°,λ82.00000°. Principal axes: T 4.2390,Plg71.0000°,Azm61.0000°; N -0.1620,Plg7.0000°,Azm171.0000° ; P -4.0790,Plg17.0000°,Azm263.0000° $M_0$4.15900×10^{16}

ISC	**VII**	**05 01 13 52.6–.69**	**17.69S–.09**	**167.6E–.10**	**35**	**4.1b,3.6s**	**20**	**5-145**	
IDC	VII	05 01 13 47.2–1.1	17.55S	167.80E	0	3.9b,3.9			**¶620754137**

ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=16.7km az=98.0.

ISC	**VII**	**05 02 23 48.2–.47**	**15.53S–.04**	**167.72E–.05**	**127–3**	**4.8b**	**386**	**1-157**	
BJI	VII	05 02 23 46.5	15.24S	168.13E	125	5.0b,4.8b			**¶620733785**
IDC	VII	05 02 23 47.7–1.5	15.50S	167.72E	120–12	4.7,4.3b			
NOU	VII	05 02 23 48.7	15.52S	167.63E	126	4.9b,4.3b			
GFZ	VII	05 02 23 48.2–.26	15S–3.0	168E–5.0	128	4.8b,4.8			
NEIC	VII	05 02 23 48.6–1.9	15.49S–.08	167.72E–.10	124–4	4.9b,4.9			
GCMT	VII	05 02 23 49.8–.30	15.68S–.03	167.27E–.02	131–2	5.0W,4.9			

ISC Event type se.
NOU Vanuatu Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107050223A. Moment Tensor Solution. s41,c47; s83,c119; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.60±.12 $M_{\theta\theta}$-0.98±.16; $M_{\phi\phi}$-3.63±.14; $M_{r\theta}$-1.29±.15; $M_{\theta\phi}$-0.40±.18; $M_{\phi r}$-0.73±.15; Best double couple: NP1:ϕ_s359.00000° ,δ40.00000°,λ73.00000°. NP2:ϕ_s201.00000°,δ53.00000°,λ104.00000°. Principal axes: T 4.9310,Plg77.0000°,Azm160.0000°; N -1.1440,Plg11.0000°,Azm12.0000° ; P -3.7950,Plg7.0000°,Azm281.0000° $M_0$4.36300×10^{16}

IDC	**VII**	**05 07 51 30.5–6.7**	**15.16S**	**169.18E**	**100–81**	**4.2,3.9L**			
									¶620927939
IDC	Error ellipse: s-maj=83.4km s-min=28.8km az=142.0.								
IDC	**VII**	**05 09 22 42.5–15**	**18.79S**	**168.70E**	**0**	**4.0b,3.9**			
									¶620927949
IDC	Error ellipse: s-maj=254.4km s-min=43.3km az=82.0.								
ISC	**VII**	**05 09 57 41.3–.66**	**14.35S–.07**	**167.4E–.10**	**200**	**4.2b**	**50**	**1-120**	
NEIC	VII	05 09 57 41.2–1.6	14.4S–.10	167.5E–.20	195–6	4.3b			**¶620927956**
IDC	VII	05 09 57 44.0–3.5	14.43S	167.31E	223–36	4.2,3.6b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=13.6km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.3km s-min=20.3km az=141.0.

ISC	**VII**	**05 22 59 33.2–.49**	**17.64S–.05**	**167.73E–.10**	**10**	**4.4b,3.4s**	**71**	**2-157**	
IDC	VII	05 22 59 31.3–.75	17.55S	167.86E	0	4.2b,4.2			**¶621112208**
NEIC	VII	05 22 59 34.4–2.2	17.67S–.06	167.80E–.07	10–1	4.6b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU	**VII**	**06 17 33 23.9**	**15.19S**	**167.30E**	**90**	**3.9b**			
									¶620967574
NOU	Vanuatu Islands.								
IDC	**VII**	**08 09 20 51.7–8.8**	**14.86S**	**165.46E**	**0**	**3.6b,3.6**			
									¶620928169
IDC	Error ellipse: s-maj=150.3km s-min=25.2km az=56.0.								
ISC	**VII**	**08 13 36 33.6–.80**	**14.03S–.09**	**166.3E–.20**	**43**	**3.8b,3.4s**	**11**	**8-88**	
IDC	VII	08 13 36 27.5–.83	13.88S	166.31E	0	3.8b,3.8			**¶620928186**

ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=14.6km az=90.0.

ISC	**VII**	**09 03 21 28.9–.79**	**14.70S–.08**	**167.3E–.20**	**100**	**4.0b**	**27**	**1-97**	
NEIC	VII	09 03 21 30.4–1.9	14.8S–.10	167.4E–.20	108–7	4.1b			**¶620928219**
IDC	VII	09 03 21 31.6–4.8	14.84S	167.37E	130–39	4.1,3.6b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=13.7km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.5km s-min=27.3km az=45.0.

ISC	**VII**	**10 07 26 40.9–1.7**	**15.0S–.20**	**167.9E–.30**	**100**	**3.9b**	**7**	**7-93**	
IDC	VII	10 07 26 44.7–9.4	15.16S	167.84E	124–61	4.1,3.7b			**¶620928341**

ISC Event type se.
IDC Error ellipse: s-maj=77.2km s-min=34.5km az=31.0.

ISC	**VII**	**11 14 18 31.6–.99**	**17.44S–.07**	**168.0E–.10**	**27**	**4.1b**	**24**	**2-85**	
IDC	VII	11 14 18 30.1–3.2	17.34S	167.66E	0	3.8b,3.8			**¶620928429**
NEIC	VII	11 14 18 33.9–2.1	17.50S–.06	168.0E–.10	35–2	4.4b,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VII**	**12 16 16 27.2–8.9**	**14.41S**	**165.06E**	**0**	**3.7b,3.7**			
									¶620928497
IDC	Error ellipse: s-maj=152.2km s-min=24.6km az=54.0.								
ISC	**VII**	**12 22 52 03.7–.47**	**20.51S–.07**	**169.24E–.08**	**31**	**4.2b,3.6s**	**77**	**3-150**	
BGR	VII	12 22 52 02.1	20.48S	170.23E	33	4.2b,3.6s			**¶620913575**
IDC	VII	12 22 52 06.0–2.3	20.54S	169.22E	47–19	4.1,3.9b			
NEIC	VII	12 22 52 06.2–1.1	20.53S–.07	169.19E–.08	52–6	4.5b,3.9b			

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU	**VII**	**14 09 26 06.6**	**19.39S**	**169.74E**	**214**	**3.9**			
									¶620967668
NOU	Vanuatu Islands.								
ISC	**VII**	**15 13 00 36.7–.42**	**14.48S–.05**	**167.39E–.08**	**200**	**4.6b**	**200**	**1-154**	
IDC	VII	15 13 00 33.8–1.6	14.43S	167.46E	169–12	4.6,4.2b			**¶620830006**
NOU	VII	15 13 00 34.3	14.25S	167.48E	185	5.0b,4.2b			
NEIC	VII	15 13 00 35.5–1.2	14.45S–.09	167.5E–.10	188–6	4.6b,4.2b			
GFZ	VII	15 13 00 35.5–.57	14S–4.0	167E–6.0	195–5	4.7b,4.7			

ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**VII**	**16 03 33 25.8–1.1**	**19.0S–.10**	**169.4E–.10**	**150**	**4.0b**	**24**	**4-144**	
IDC	VII	16 03 33 26.7–4.0	19.01S	169.24E	163–29	4.0,3.5b			**¶620928675**
NEIC	VII	16 03 33 29.7–1.1	19.2S–.10	169.22E–.09	176–10	4.2b,3.5b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU	**VII**	**18 17 35 38.4**	**17.79S**	**168.26E**	**63**	**3.9**			
									¶620967725
NOU	Vanuatu Islands.								
ISC	**VII**	**20 07 59 18.8–.49**	**15.73S–.06**	**166.75E–.07**	**29**	**4.5b,3.5s**	**56**	**1-136**	
IDC	VII	20 07 59 16.1–.76	15.72S	166.45E	0	4.3,4.2L			**¶620913621**
NEIC	VII	20 07 59 16.8–.85	15.69S–.10	166.65E–.05	10–1	4.5b,4.2L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 20 20 02 49.9–.68 13.94S–.06 166.69E–.09 43 3.9b 30 2-150
NEIC VII 20 20 02 50.7–1.6 13.96S–.08 166.72E–.07 51–10 4.5b **¶620961609**
IDC VII 20 20 02 53.0–3.8 14.06S 166.80E 64–32 4.8L,4.1s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=4.8km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.5km s-min=20.6km az=78.0.
ISC VII 22 02 24 57.4–.32 14.77S–.03 167.00E–.04 31–1 5.2b,5.2s 699 1-162
IDC VII 22 02 24 53.0–.35 14.74S 166.87E 0 4.9b,4.9 **¶620844259**
GFZ VII 22 02 24 55.1 14.76S 166.90E 29 5.5W,4.9
NOU VII 22 02 24 56.6 14.70S 166.96E 22 5.2b,4.9
BJI VII 22 02 24 57.7 14.30S 167.10E 34 5.7b,5.2s
GFZ VII 22 02 24 57.1–.42 15S–3.0 167E–4.0 29–2 5.5,5.2b
NEIC VII 22 02 24 58.6 14.90S 166.94E 35 5.5,5.2b
NEIC VII 22 02 24 58.6–1.3 14.88S–.06 166.94E–.07 35–1 5.3b,5.2
NEIC VII 22 02 24 59.1 14.80S 166.73E 36 5.5,5.2
GCMT VII 22 02 25 00.2–.10 14.80S–.01 166.66E–.01 31–0 5.5W,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.31 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-1.56 $M_{r\theta}$0.70 $M_{\theta\phi}$0.57 $M_{\phi r}$0.28 NP1: ϕ_s138.51270°,δ47.85091°,λ70.64546°. NP2:ϕ_s346.14228°,δ45.61298°,λ110.11023°. Principal axes: T 2.5042,Plg75.7277°,Azm336.6035°; N -0.6451,Plg14.2238°,Azm151.7763° ; P -1.8591,Plg1.1523°,Azm242.0685° $M_0$2.25201×10^{17}
NOU Vanuatu Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}2.18 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$-1.58 $M_{r\theta}$0.56 $M_{\theta\phi}$0.81 $M_{\phi r}$-0.18 NP1:ϕ_s339.64000°,δ39.97000° ,λ104.39000°. NP2:ϕ_s141.13000°,δ51.53000°,λ78.23000°. Principal axes: T 2.2897,Plg79.0000°,Azm2.0000°; N -0.2076,Plg9.0000°,Azm149.0000° ; P -2.0821,Plg6.0000°,Azm239.0000° $M_0$2.19000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107220224A. Moment Tensor Solution. s123,c190; s146,c267;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.48±.05 $M_{\theta\theta}$-0.18±.03; $M_{\phi\phi}$-2.30±.03; $M_{r\theta}$0.67±.05; $M_{\theta\phi}$0.95±.02; $M_{\phi r}$0.03±.05; Best double couple: NP1: ϕ_s353.00000°,δ44.00000°,λ111.00000°. NP2:ϕ_s145.00000°,δ49.00000°,λ71.00000°. Principal axes: T 2.6530,Plg75.0000°,Azm348.0000°; N 0.0170,Plg14.0000°,Azm158.0000° ; P -2.6730,Plg2.0000°,Azm249.0000° $M_0$2.66300×10^{17}
NOU VII 23 02 03 42.6 16.27S 167.50E 31 3.9
¶620967877
NOU Vanuatu Islands.
NOU VII 22 22 02 19.1 16.28S 167.59E 28 3.6
¶620967784
NOU Vanuatu Islands.
ISC VII 26 17 28 42.5–1.1 19.0S–.10 169.7E–.10 250 4.0b 21 4-71
NEIC VII 26 17 28 44.3–.83 19.1S–.10 169.7E–.10 271–12 4.1b **¶622450776**
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 23 16 30 59.5–1.8 14.9S–.10 166.7E–.20 35 3.9b 8 7-120
IDC VII 23 16 30 53.5–1.3 14.73S 166.88E 0 3.9,3.8L **¶620967927**
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=16.1km az=73.0.
ISC VII 22 12 36 38.5–.46 14.91S–.06 166.79E–.07 35 4.4b,3.6s 65 1-154
IDC VII 22 12 36 32.8–.64 14.83S 166.93E 0 4.5L,4.2b **¶620967828**
NEIC VII 22 12 36 39.0–1.4 14.94S–.04 166.79E–.08 34–5 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU VII 25 03 59 52.9 16.22S 167.61E 9 3.6
¶620967973
NOU Vanuatu Islands.
IDC VII 27 10 32 29.7–9.8 13.78S 166.92E 128–100 3.8,3.4b
¶620978958
IDC Error ellipse: s-maj=79.4km s-min=26.0km az=162.0.
IDC VII 27 19 44 21.2–7.5 20.08S 169.74E 0 3.5b,3.5
¶620978980
IDC Error ellipse: s-maj=333.2km s-min=40.7km az=149.0.
ISC VII 27 08 02 30.4–1.1 15.5S–.10 167.7E–.20 124 3.6b 8 7-95
IDC VII 27 08 02 29.4–7.5 15.43S 167.72E 115–76 4.0L,3.8 **¶620978953**
ISC Event type se.
IDC Error ellipse: s-maj=65.8km s-min=28.2km az=155.0.
IDC VII 27 21 31 12.2–3.5 17.29S 168.30E 0 3.7b,3.7
¶620978985
IDC Error ellipse: s-maj=78.1km s-min=22.9km az=93.0.
ISC VII 29 03 16 04.3–.44 18.92S–.04 168.91E–.06 147 4.6b 136 1-144
NOU VII 29 03 16 02.5 18.96S 169.15E 158 4.5 **¶620857927**
IDC VII 29 03 16 04.7–2.0 19.04S 168.97E 154–16 4.3,3.8b
NEIC VII 29 03 16 06.3–1.4 19.1S–.10 168.98E–.09 162–9 4.8b,3.8b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU VII 29 10 58 04.5 18.34S 168.03E 0 3.2
¶626340492
NOU Vanuatu Islands.
ISC VII 29 00 30 54.1–1.2 15.6S–.10 167.4E–.30 124 3.8b 8 7-121
IDC VII 29 00 30 52.6–5.1 15.51S 167.46E 109–44 4.1,3.7b **¶620984031**
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=31.1km az=46.0.
ISC VII 29 11 00 58.3–.35 19.09S–.04 169.29E–.04 219–3 5.1b 507 0-167
BGR VII 29 11 00 33.2 19.60S 171.37E 33 5.1b **¶620859565**
GFZ VII 29 11 00 56.0–.19 19S–4.0 169E–4.0 190 5.1,4.9b
BJI VII 29 11 00 57.3 18.49S 169.38E 200 5.3b,4.9b
IDC VII 29 11 00 58.8–.88 19.13S 169.20E 225–7 4.9,4.4b
NOU VII 29 11 00 58.0 19.08S 169.32E 214 5.1b,4.4b
NEIC VII 29 11 00 59.0–1.9 19.13S–.08 169.28E–.07 217–5 5.1b,4.4b
ISC Event type ke.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU VII 29 17 35 42.3 15.57S 167.33E 90 3.9
¶620968014
NOU Vanuatu Islands.
ISC VII 29 20 15 25.9–.93 17.9S–.10 168.4E–.10 150 4.1b 26 0-134
NEIC VII 29 20 15 26.4–1.5 18.05S–.10 168.8E–.20 164–11 4.2b **¶620968011**
IDC VII 29 20 15 28.7–3.5 18.04S 168.46E 185–30 4.1,3.6b
NOU VII 29 20 15 32.2 18.80S 169.10E 207 3.6,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=4.7km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.1km s-min=24.2km az=71.0.
NOU Vanuatu Islands.
ISC VII 31 06 18 32.7–.73 18.17S–.05 167.45E–.07 23 4.1b 14 1-90
NOU VII 31 06 18 34.5 18.11S 167.28E 35 3.9 **¶620968062**
IDC VII 31 06 18 35.8–5.6 18.37S 167.72E 53–46 3.9,3.7b
ISC Event type se.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=36.9km s-min=28.8km az=65.0.
IDC VII 31 07 25 53.3–69 14.74S 166.19E 0 4.0b,4.0
¶620986113
IDC Error ellipse: s-maj=1154.0km s-min=116.6km az=65.0.
ISC VII 31 08 05 18.9–.30 15.32S–.04 166.42E–.05 29 4.8b,4.0s 233 1-154
GFZ VII 31 08 05 16.9–.30 15S–4.0 167E–5.0 10 4.8b,4.8 **¶620923904**
NEIC VII 31 08 05 16.7–1.4 15.33S–.07 166.4E–.10 10–1 5.0b,4.8
BJI VII 31 08 05 16.0 15.02S 167.09E 22 4.8b,4.8
IDC VII 31 08 05 16.2–3.5 15.31S 166.44E 14–21 4.4L,4.4
NOU VII 31 08 05 18.8 15.42S 166.32E 13 5.3b,4.4
GCMT VII 31 08 05 21.2–.30 15.39S–.02 166.24E–.02 32–2 4.9W,4.4
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107310805A. Moment Tensor Solution. s19,c23; s80,c104; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.93±.18 $M_{\theta\theta}$-1.01±.12; $M_{\phi\phi}$0.08±.12; $M_{r\theta}$-2.10±.19; $M_{\theta\phi}$1.45±.07; $M_{\phi r}$-0.94±.15; Best double couple: NP1:ϕ_s158.00000°,δ37.00000° ,λ160.00000°. NP2:ϕ_s263.00000°,δ78.00000°,λ55.00000°. Principal axes: T 3.1130,Plg45.0000°,Azm138.0000°; N -0.5200,Plg34.0000°,Azm272.0000° ; P -2.5900,Plg25.0000°,Azm20.0000° $M_0$2.85200×10^{16}
ISC VIII 01 12 01 23.6–.67 17.70S–.06 167.5E–.10 19 4.4b 30 2-157
IDC VIII 01 12 01 21.3–1.3 17.66S 167.46E 0 4.2b,4.2 **¶620986209**
NEIC VIII 01 12 01 22.6–2.0 17.68S–.04 167.6E–.10 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 04 09 51 47.4–.46 13.13S–.06 167.26E–.09 200 4.3b 60 2-166
NEIC VIII 04 09 51 48.9–.71 13.19S–.04 167.3E–.20 207–9 4.4b **¶620969962**
IDC VIII 04 09 51 52.4–2.5 13.26S 167.09E 243–23 4.4,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=2.7km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.6km s-min=13.9km az=99.0.
ISC VIII 01 20 41 51.0–.93 17.87S–.04 168.62E–.09 153–8 4.1b 34 0-124
IDC VIII 01 20 41 47.9–6.8 17.73S 168.63E 128–49 4.0,3.6b **¶620986234**
NEIC VIII 01 20 41 49.1–.90 17.73S–.09 168.8E–.20 138–13 4.3b,3.6b
NOU VIII 01 20 41 52.9 17.98S 168.54E 135 3.9,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=55.3km s-min=31.3km az=36.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=13.0km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
ISC VIII 05 03 40 17.4–1.1 19.11S–.07 169.2E–.10 123 4.5b 33 4-144
NEIC VIII 05 03 40 17.5–1.4 19.10S–.07 169.27E–.08 123–10 4.5b **¶620998783**
IDC VIII 05 03 40 17.8–6.9 19.13S 169.07E 124–46 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=4.1km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.0km s-min=32.0km az=38.0.
ISC VIII 06 13 35 04.4–.36 14.23S–.04 167.39E–.04 204–2 5.1b 771 1-169
NOU VIII 06 13 35 03.6 14.09S 167.54E 208 5.0b **¶620973894**
BJI VIII 06 13 35 03.5 13.73S 167.42E 192 5.1b,4.9b
MOS VIII 06 13 35 03.6–1.0 14.20S 167.25E 201 5.1b,4.9b
NEIC VIII 06 13 35 04.4 14.18S 167.38E 196 5.1b,4.9b
IDC VIII 06 13 35 04.7–.84 14.32S 167.20E 202–6 5.1,4.7b
NEIC VIII 06 13 35 04.5–1.5 14.18S–.08 167.38E–.08 196–4 5.1b,4.7b
GFZ VIII 06 13 35 05.8–.43 14S–4.0 167E–4.0 202–5 5.2b,4.9
GCMT VIII 06 13 35 06.4–.20 14.25S–.02 167.11E–.02 202–1 5.0W,4.9
NEIC VIII 06 13 35 07 14.18S 167.18E 190 4.9,4.9
ISC Event type se.
NOU Vanuatu Islands.
MOS Error ellipse: s-maj=8.8km s-min=7.2km az=120.6.
NEIC Event type se.
IDC Error ellipse: s-maj=9.0km s-min=8.0km az=130.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.9km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108061335A. Moment Tensor Solution. s49,c62; s98,c138; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.12±.11 $M_{\theta\theta}$-0.17±.13; $M_{\phi\phi}$-3.94±.13; $M_{r\theta}$-0.68±.12; $M_{\theta\phi}$1.04±.15; $M_{\phi r}$1.21±.12; Best double couple: NP1:ϕ_s170.00000°,δ36.00000° ,λ98.00000°. NP2:ϕ_s341.00000°,δ54.00000°,λ84.00000°. Principal axes: T 4.3600,Plg80.0000°,Azm227.0000°; N 0.0660,Plg5.0000°,Azm344.0000° ; P -4.4200,Plg9.0000°,Azm75.0000° $M_0$4.39000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s5 Moment tensor: Scale 10^{16}Nm; M_{rr}2.68 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$-1.74 $M_{r\theta}$-0.80 $M_{\theta\phi}$1.25 $M_{\phi r}$1.43 NP1:ϕ_s140.31000°,δ29.38000° ,λ83.77000°. NP2:ϕ_s327.46000°,δ60.81000°,λ93.50000°. Principal axes: T 3.1547,Plg74.0000°,Azm246.0000°; N -0.0446,Plg3.0000°,Azm146.0000° ; P -3.1101,Plg16.0000°,Azm55.0000° $M_0$3.13000×10^{16}
IDC VIII 05 10 36 11.4–9.8 14.71S 167.33E 243–116 3.6,3.0b
¶620998801
IDC Error ellipse: s-maj=108.6km s-min=32.8km az=156.0.
ISC VIII 06 18 00 23.7–.71 15.00S–.06 167.29E–.08 129 4.5b 80 0-97
NEIC VIII 06 18 00 23.2–2.0 14.98S–.07 167.30E–.09 120–5 4.5b **¶620973938**
IDC VIII 06 18 00 24.7–3.5 14.99S 167.29E 147–26 4.5,4.0b
NOU VIII 06 18 00 24.0 14.99S 167.33E 110 4.6,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.6km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.8km s-min=21.5km az=49.0.
NOU Vanuatu Islands.
ISC VIII 06 23 15 02.7–.66 15.50S–.04 167.66E–.06 132–5 4.7b 224 0-155
NEIC VIII 06 23 15 02.5–1.5 15.49S–.08 167.75E–.06 124–3 4.6b **¶620976024**
NOU VIII 06 23 15 02.9 15.49S 167.68E 115 5.1b
IDC VIII 06 23 15 02.7–2.2 15.51S 167.73E 131–18 4.6,4.2b
BJI VIII 06 23 15 05.0 15.50S 167.70E 160 4.6b,4.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.9km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=20.7km s-min=11.5km az=84.0.
ISC VIII 06 16 59 14.3–1.2 14.7S–.10 167.5E–.20 100 3.7b 8 7-120
IDC VIII 06 16 59 13.5–6.1 14.51S 167.46E 97–50 3.8,3.5b **¶620998915**
ISC Event type se.
IDC Error ellipse: s-maj=53.4km s-min=23.1km az=177.0.
ISC VIII 07 19 53 50.8–.34 17.27S–.03 167.89E–.05 27 4.7b,4.1s 206 1-157
IDC VIII 07 19 53 47.2–.61 17.19S 167.75E 0 4.5L,4.2 **¶620976245**
NOU VIII 07 19 53 50.5 17.27S 168.00E 23 4.8b,4.2
NEIC VIII 07 19 53 51.1–1.3 17.26S–.05 167.88E–.09 26–4 4.9b,4.2
BJI VIII 07 19 53 53.9 17.30S 168.43E 80 4.3b,4.2
GFZ VIII 07 19 53 53.5–.23 17S–3.0 168E–4.0 61 4.7b,4.7
GCMT VIII 07 19 53 54.5–.30 17.35S–.02 167.66E–.02 33–0 4.9W,4.7
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108071953A. Moment Tensor Solution. s57,c69; s78,c102; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.63±.12 $M_{\theta\theta}$-0.16±.08; $M_{\phi\phi}$-2.47±.08; $M_{r\theta}$0.60±.11; $M_{\theta\phi}$0.33±.07; $M_{\phi r}$-1.22±.09; Best double couple: NP1:ϕ_s360.00000°,δ32.00000°

,λ103.00000°. NP2:ϕ_s164.00000°,δ59.00000°,λ82.00000°. Principal axes: T 2.9920,Plg75.0000°,Azm52.0000°; N -0.1680,Plg7.0000°,Azm168.0000° ; P -2.8240,Plg13.0000°,Azm260.0000° $M_0$2.90800×10^{16}

ISC	**VIII**	**07 00 45 28.9–.41**	**17.40S–.03**	**167.06E–.04**	**12**	**4.7b,3.8s**	**113**	**1-145**
NEIC	VIII	07 00 45 29.7–1.6	17.38S–.05	167.1E–.10	9–4	4.9b,3.8s		**¶621000690**
NOU	VIII	07 00 45 30.9	17.41S	167.12E	52	4.9,3.8s		
IDC	VIII	07 00 45 32.4–2.8	17.36S	166.96E	33–22	4.8L,4.5		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=14.9km s-min=6.5km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU Vanuatu Islands.

IDC Error ellipse: s-maj=15.2km s-min=12.4km az=76.0.

ISC	**VIII**	**08 13 56 08.2–.44**	**14.53S–.06**	**167.45E–.07**	**170**	**4.3b**	**71**	**1-154**
NEIC	VIII	08 13 56 07.5–1.3	14.49S–.08	167.6E–.10	167–5	4.3b		**¶620976434**
IDC	VIII	08 13 56 10.1–1.9	14.59S	167.34E	185–17	4.3,3.8b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=16.9km s-min=11.1km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=16.1km s-min=12.2km az=71.0.

ISC	**VIII**	**09 16 47 25.9–.89**	**19.14S–.04**	**169.19E–.10**	**147**	**4.2b**	**49**	**0-144**
NEIC	VIII	09 16 47 23.6–1.1	19.11S–.08	169.4E–.10	132–11	4.3b		**¶621007274**
IDC	VIII	09 16 47 28.0–3.8	19.33S	168.99E	153–26	4.3,3.8b		
NOU	VIII	09 16 47 30.5	19.15S	168.81E	73	4.1,3.8b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=17.6km s-min=11.7km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=43.3km s-min=30.1km az=108.0.

NOU Vanuatu Islands.

ISC	**VIII**	**09 15 33 01.0–.77**	**17.37S–.05**	**167.9E–.10**	**10**	**4.2b,3.4s**	**29**	**2-97**
IDC	VIII	09 15 32 59.5–2.2	17.21S	167.85E	0	3.9b,3.9		**¶621007270**
NEIC	VIII	09 15 33 01.8–1.5	17.31S–.06	167.9E–.10	10–1	4.4b,3.9		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**08 14 37 22.2–.40**	**19.26S–.03**	**168.75E–.06**	**42–3**	**4.8b,3.9s**	**180**	**1-159**
NOU	VIII	08 14 37 18.0	19.35S	168.83E	0	4.9,3.9s		**¶620976433**
BJI	VIII	08 14 37 21.5	18.70S	168.74E	34	5.3s,5.0b		
IDC	VIII	08 14 37 22.4–2.9	19.23S	168.66E	45–25	4.5,4.4L		
NEIC	VIII	08 14 37 23.4–2.2	19.22S–.08	168.7E–.10	45–4	4.8b,4.4L		

ISC Event type se.

NOU Vanuatu Islands.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**12 17 46 03.4–1.3**	**15.3S–.20**	**167.3E–.30**	**100**	**3.6b**	**6**	**29-98**
IDC	VIII	12 17 45 50.2–1.4	15.12S	167.45E	0	3.8b,3.8		**¶621009441**

ISC Event type se.

IDC Error ellipse: s-maj=44.0km s-min=32.7km az=120.0.

ISC	**VIII**	**11 09 31 11.1–.74**	**17.38S–.05**	**167.1E–.10**	**10**	**4.4b**	**35**	**2-92**
IDC	VIII	11 09 31 10.0–.95	17.33S	166.97E	0	4.7L,4.5		**¶621009330**
NEIC	VIII	11 09 31 11.4–1.9	17.35S–.05	167.1E–.10	10–1	4.6b,4.5		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**14 11 42 51.2–.41**	**19.98S–.04**	**169.43E–.06**	**100**	**4.5b**	**143**	**0-148**
IDC	VIII	14 11 42 51.8–1.8	19.97S	169.40E	103–15	4.4,4.0b		**¶621013485**
NOU	VIII	14 11 42 52.1	20.01S	169.42E	105	4.9b,4.0b		
NEIC	VIII	14 11 42 52.1–1.0	19.94S–.07	169.5E–.10	107–7	4.5b,4.0b		

ISC Event type se.

NOU Vanuatu Islands.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 13 44 37.9–.97**	**19.4S–.10**	**169.5E–.10**	**300**	**3.9b**	**8**	**4-145**
IDC	VIII	13 13 44 36.7–1.8	19.31S	169.49E	269–16	4.2,3.4b		**¶621012160**

ISC Event type se.

IDC Error ellipse: s-maj=31.9km s-min=19.6km az=162.0.

ISC	**VIII**	**15 21 02 30.3–.45**	**13.37S–.06**	**167.53E–.07**	**35**	**4.8b,3.8s**	**94**	**2-153**
IDC	VIII	15 21 02 25.0–.62	13.37S	167.53E	0	5.0L,4.3b		**¶621023664**
NEIC	VIII	15 21 02 27.7–1.7	13.38S–.06	167.4E–.10	10–1	4.8b,4.3b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**15 23 55 32.4–1.2**	**19.05S**	**170.70E**	**0**	**3.8,3.6L**		
								¶621023676

IDC Error ellipse: s-maj=52.2km s-min=15.9km az=152.0.

ISC	**VIII**	**17 05 35 21.7–.49**	**14.69S–.05**	**166.86E–.07**	**10**	**4.4b**	**49**	**1-120**
IDC	VIII	17 05 35 19.9–1.2	14.59S	166.80E	0	4.0b,3.9		**¶621030235**
NEIC	VIII	17 05 35 22.9–1.5	14.74S–.05	166.91E–.09	12–4	4.5b,3.9		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**16 16 35 07.9–.35**	**16.07S–.03**	**167.91E–.05**	**166–2**	**5.1b**	**553**	**0-168**
NOU	VIII	16 16 35 07.6	16.03S	167.92E	163	5.3b		**¶620989843**
IDC	VIII	16 16 35 07.9–.60	16.08S	167.93E	165–4	5.2,4.8b		
BJI	VIII	16 16 35 07.0	16.10S	167.90E	176	5.0b,5.0b		
NEIC	VIII	16 16 35 08.1–1.2	16.05S–.07	167.88E–.05	160–4	5.1b,5.0		
GFZ	VIII	16 16 35 09.3–.41	16S–4.0	168E–4.0	172–4	5.1b,5.1		

ISC Event type se.

NOU Vanuatu Islands.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**18 04 02 22.3–.75**	**19.09S–.09**	**169.5E–.10**	**250**	**4.1b**	**38**	**4-144**
IDC	VIII	18 04 02 20.9–3.5	18.89S	169.66E	258–30	3.8,3.2b		**¶621030336**
NEIC	VIII	18 04 02 26.6–1.7	19.3S–.10	169.4E–.10	281–10	4.5b,3.2b		
NOU	VIII	18 04 03 04.3	21.34S	167.76E	0	2.5,3.2b		

ISC Event type se.

IDC Error ellipse: s-maj=36.7km s-min=31.2km az=143.0.

NEIC Event type se. Error ellipse: s-maj=19.6km s-min=14.0km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU Loyalty Islands.

ISC	**VIII**	**18 10 10 05.0–.20**	**14.92S–.02**	**167.11E–.03**	**100–1**	**6.3b**	**2482**	**1-169**
BJI	VIII	18 10 10 03.4	14.79S	167.04E	100	6.3b,5.9b		**¶621237530**
IDC	VIII	18 10 10 05.1–.82	14.96S	167.11E	99–6	6.3,6.2s		
NEIC	VIII	18 10 10 05	14.87S	167.05E	91	6.3,6.2s		
NEIC	VIII	18 10 10 05	14.86S	167.11E	89	6.3,6.2s		
MOS	VIII	18 10 10 05.3–1.3	14.86S	167.04E	107	6.4s,6.3b		
IPGP	VIII	18 10 10 05.0	14.89S	167.09E	99	6.9W,6.3b		
GFZ	VIII	18 10 10 05.0	14.89S	167.11E	90	6.9W,6.3b		
NOU	VIII	18 10 10 05.2	14.84S	167.10E	100	6.6,6.3b		
NEIC	VIII	18 10 10 05.2–1.6	14.88S–.07	167.06E–.08	93–1	6.9,6.4b		
GFZ	VIII	18 10 10 06.1–.39	15S–2.0	167E–2.0	98–3	6.8b,6.7		
PTWC	VIII	18 10 10 06	14.90S	166.90E	83	7.1,6.7		
GCMT	VIII	18 10 10 10.7–.00	14.91S	166.83E	100–0	7.0W,6.7		
NEIC	VIII	18 10 10 20.9	14.87S	166.85E	90	6.9,6.7		

ISC Event type se.

IDC Error ellipse: s-maj=9.7km s-min=8.2km az=78.0.

NEIC Event type se.

NEIC Event type se.

MOS Error ellipse: s-maj=6.3km s-min=5.3km az=114.7.

IPGP Moment Tensor Solution. NP1:ϕ_s283.00000°,δ81.00000°,λ25.00000°. NP2:ϕ_s189.00000° ,δ66.00000°,λ170.00000°.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.37 $M_{\theta\theta}$0.75 $M_{\phi\phi}$-1.11 $M_{r\theta}$-1.05 $M_{\theta\phi}$2.31 $M_{\phi r}$-0.30 NP1: ϕ_s283.22767°,δ78.45532°,λ22.00145°. NP2:ϕ_s188.60454°,δ68.46615°,λ167.57572°. Principal axes: T 2.7641,Plg23.6444°,Azm147.5277°; N -0.0458,Plg65.2875°,Azm309.5773° ; P -2.7183,Plg6.7784°,Azm54.5448° $M_0$2.74145×10^{19}

NOU Vanuatu Islands.

NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.8km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.18 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-0.82 $M_{r\theta}$-1.36 $M_{\theta\phi}$1.99 $M_{\phi r}$-0.32 NP1:ϕ_s281.97000°,δ80.71000°,λ30.00000°. NP2:ϕ_s186.64000°,δ60.43000° ,λ169.31000°. Principal axes: T 2.7041,Plg28.0000°,Azm148.0000°; N -0.3732,Plg59.0000° ,Azm298.0000°; P -2.3309,Plg14.0000°,Azm51.0000° $M_0$2.54000×10^{19}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108181010A. Moment Tensor Solution. s170,c469; s174,c871;Duration: 7s3 Moment tensor: Scale 10^{19}Nm; M_{rr}0.04±.01 $M_{\theta\theta}$1.15±.01; $M_{\phi\phi}$-1.20±.01; $M_{r\theta}$-1.30±.01; $M_{\theta\phi}$2.83±.01; $M_{\phi r}$-0.36±.01; Best double couple: NP1:ϕ_s189.00000°,δ70.00000°,λ171.00000°. NP2:ϕ_s283.00000°,δ82.00000°,λ21.00000°. Principal axes: T 3.5170,Plg20.0000°,Azm148.0000°; N -0.3750,Plg68.0000°,Azm304.0000° ; P -3.1490,Plg8.0000°,Azm55.0000° $M_0$3.33300×10^{19}

NEIC Event type se. Moment Tensor Solution.Duration: 13s4 Moment tensor: Scale 10^{19}Nm; M_{rr}0.71 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-1.11 $M_{r\theta}$-1.05 $M_{\theta\phi}$1.99 $M_{\phi r}$-0.37 NP1:ϕ_s185.92000°,δ63.64000° ,λ159.97000°. NP2:ϕ_s285.11000°,δ72.13000°,λ27.81000°. Principal axes: T 2.4446,Plg32.0000°,Azm148.0000°; N 0.0651,Plg57.0000°,Azm315.0000° ; P -2.5097,Plg6.0000°,Azm54.0000° $M_0$2.48000×10^{19}

ISC	**VIII**	**20 22 25 28.1–.47**	**20.65S–.04**	**169.88E–.07**	**122**	**4.5b**	**98**	**1-149**
NEIC	VIII	20 22 25 26.7–1.3	20.59S–.07	170.00E–.10	108–6	4.5b		**¶620999172**
IDC	VIII	20 22 25 27.0–3.4	20.69S	169.87E	113–26	4.4,4.0b		
NOU	VIII	20 22 25 29.6	20.60S	169.72E	120	4.6,4.0b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.8km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=24.9km s-min=20.1km az=68.0.

NOU Vanuatu Islands.

NOU	**VIII**	**19 15 39 42.9**	**17.36S**	**167.26E**	**16**	**3.9**		
								¶621071678

NOU Vanuatu Islands.

ISC	**VIII**	**18 10 53 11.3–3.7**	**14S–1.0**	**167.5E–.30**	**200**	**3.8b**	**8**	**82-153**
IDC	VIII	18 10 52 45.7–3.6	14.06S	167.46E	0	4.2b,4.0		**¶621030368**

ISC Event type se.

IDC Error ellipse: s-maj=151.6km s-min=43.7km az=5.0.

ISC	**VIII**	**21 13 36 47.6–.55**	**20.01S–.04**	**169.35E–.06**	**100**	**4.3b**	**83**	**0-89**
NEIC	VIII	21 13 36 48.1–2.4	19.90S–.08	169.39E–.09	116–6	4.3b		**¶620999310**
NOU	VIII	21 13 36 49.4	20.05S	169.35E	100	4.4		
IDC	VIII	21 13 36 50.9–2.2	20.11S	169.22E	133–17	4.3,3.9b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.4km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU Vanuatu Islands.

IDC Error ellipse: s-maj=33.4km s-min=17.8km az=166.0.

ISC	**VIII**	**21 18 05 17.4–.62**	**16.01S–.05**	**168.0E–.10**	**150**	**4.4b**	**50**	**1-127**
NEIC	VIII	21 18 05 18.8–1.8	16.01S–.04	168.0E–.10	160–5	4.5b		**¶621043009**
IDC	VIII	21 18 05 18.4–2.4	15.97S	167.95E	158–18	4.0,3.5b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.5km s-min=4.8km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=26.0km s-min=17.8km az=87.0.

ISC	**VIII**	**22 22 17 54.8–.80**	**16.86S–.05**	**167.7E–.10**	**25**	**4.1b**	**30**	**1-88**
IDC	VIII	22 22 17 55.0–7.7	16.82S	167.21E	0	4.1b,4.1		**¶621043129**
NEIC	VIII	22 22 17 57.0–1.4	16.87S–.05	167.67E–.10	37–9	4.3b,4.1		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**25 04 31 05.8–.55**	**19.03S–.07**	**169.64E–.07**	**267**	**4.2b**	**49**	**4-144**
IDC	VIII	25 04 31 06.7–1.6	19.09S	169.61E	277–14	4.5,3.8b		**¶621058899**
NEIC	VIII	25 04 31 06.2–.93	19.02S–.08	169.67E–.10	267–10	4.4b,3.8b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**25 15 28 40.6–1.1**	**18.89S–.10**	**168.5E–.10**	**42**	**4.2b**	**24**	**4-147**
IDC	VIII	25 15 28 33.8–1.7	18.58S	168.52E	0	3.9b,3.9		**¶621058945**
NEIC	VIII	25 15 28 40.7–2.2	18.94S–.09	168.50E–.09	35–2	4.3b,3.9		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**30 13 49 36.9–1.1**	**13.49S–.08**	**167.8E–.20**	**10**	**4.1b**	**20**	**8-85**
NEIC	VIII	30 13 49 35.9–1.2	13.4S–.10	168.1E–.20	10–1	4.4b		**¶621076523**
IDC	VIII	30 13 49 37.3–1.6	13.48S	167.55E	0	4.2L,3.8		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=34.4km s-min=16.5km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=39.1km s-min=20.8km az=97.0.

ISC	**VIII**	**28 10 30 41.4–.74**	**20.9S–.10**	**169.8E–.10**	**150**	**4.0b**	**38**	**3-166**
NEIC	VIII	28 10 30 40.5–.63	21.0S–.20	170.0E–.10	143–11	4.1b		**¶621073101**
IDC	VIII	28 10 30 43.0–2.6	20.92S	169.63E	161–20	4.1,3.8b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=22.9km s-min=16.2km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=27.3km s-min=22.4km az=142.0.

ISC	**VIII**	**31 09 10 41.7–.54**	**13.59S–.08**	**167.64E–.08**	**35**	**4.1b**	**27**	**9-97**
NEIC	VIII	31 09 10 37.6–.66	13.5S–.10	167.7E–.10	10–2	4.2b		**¶621076599**
IDC	VIII	31 09 10 37.6–.78	13.51S	167.62E	0	4.5L,4.1b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=22.7km s-min=12.1km az=36.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=26.9km s-min=15.1km az=107.0.

ISC	**VIII**	**30 23 24 12.0–.30**	**13.71S–.04**	**167.74E–.05**	**10**	**4.9b,4.3s**	**234**	**2-166**
IDC	VIII	30 23 24 09.0–.45	13.61S	167.69E	0	4.6L,4.5b		**¶621011391**
NOU	VIII	30 23 24 11.4	13.67S	167.78E	11	5.0b,4.5b		
NEIC	VIII	30 23 24 11.9–2.1	13.71S–.04	167.79E–.07	10–1	4.9b,4.5b		
GCMT	VIII	30 23 24 14.2–.20	13.55S–.01	167.58E–.01	12	5.0W,4.5b		

ISC Event type se.

NOU Vanuatu Islands.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108302324A. Moment Tensor Solution. s44,c56; s124,c195; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.67±.07 $M_{\theta\theta}$0.89±.08; $M_{\phi\phi}$-1.56±.07; $M_{r\theta}$0.09±.20; $M_{\theta\phi}$3.12±.06; $M_{\phi r}$0.08±.19; Best double couple: NP1:ϕ_s101.00000°,δ88.00000° ,λ2.00000°. NP2:ϕ_s11.00000°,δ88.00000°,λ178.00000°. Principal axes: T 3.0230,Plg3.0000° ,Azm326.0000°; N 0.6650,Plg87.0000°,Azm149.0000°; P -3.6870,Plg0.0000°,Azm56.0000° $M_0$3.35500×10^{16}

ISC	**VIII**	**30 21 02 26.4–.63**	**13.59S–.08**	**167.8E–.10**	**35**	**4.3b**	**50**	**8-145**
IDC	VIII	30 21 02 21.8–1.1	13.57S	167.67E	0	4.8L,4.2		**¶621011120**
NEIC	VIII	30 21 02 23.2–1.8	13.56S–.06	167.88E–.08	10–1	4.5b,4.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**30 21 03 21.0–.35**	**13.64S–.05**	**167.63E–.06**	**35**	**5.0b,4.2s**	**197**	**6-166**
IDC	VIII	30 21 03 15.6–.53	13.58S	167.67E	0	5.0L,4.5b		**¶621076542**
NEIC	VIII	30 21 03 17.7–1.9	13.57S–.08	167.68E–.08	10–1	5.1b,4.5b		
NOU	VIII	30 21 03 20.2	13.74S	167.71E	36	4.9b,4.5b		
GCMT	VIII	30 21 03 21.2–.20	13.51S–.01	167.63E–.01	12	5.0W,4.5b		
BJI	VIII	30 21 03 23.3	13.24S	167.52E	52	5.0b,4.7b		

ISC Event type se.

IDC Error ellipse: s-maj=15.0km s-min=12.0km az=96.0.

NEIC Event type se. Error ellipse: s-maj=14.0km s-min=12.8km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108302103A. Moment Tensor Solution. s45,c58; s112,c164; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.15±.08 $M_{\theta\theta}$0.24±.08; $M_{\phi\phi}$-2.39±.07; $M_{r\theta}$-1.06±.25; $M_{\theta\phi}$2.73±.06; $M_{\phi r}$0.84±.23; Best double couple: NP1:ϕ_s180.00000°,δ43.00000°,λ138.00000°. NP2:ϕ_s303.00000°,δ63.00000°,λ55.00000°. Principal axes: T 2.6720,Plg57.0000°,Azm165.0000°; N 1.6870,Plg31.0000°,Azm320.0000°; P -4.3570,Plg11.0000°,Azm57.0000° M_o3.51500×10^{16}

ISC	**VIII**	**31 22 59 17.8–.38**	**19.56S–.07**	**169.57E–.07**	**250**	**4.2b**	**110**	**4-151**
NEIC	VIII	31 22 59 16.6–1.8	19.52S–.08	169.67E–.09	229–5	4.4b	**¶621012676**	
IDC	VIII	31 22 59 17.9–1.2	19.63S	169.59E	246–10	4.4,3.8b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.6km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.3km s-min=10.2km az=156.0.

ISC	**VIII**	**31 06 32 59.9–.61**	**18.92S–.09**	**168.89E–.07**	**147**	**4.4b**	**42**	**4-97**
IDC	VIII	31 06 33 00.6–4.2	19.04S	168.90E	156–31	4.4,4.0b	**¶621076584**	
NEIC	VIII	31 06 33 01.7–1.3	18.9S–.10	168.9E–.10	161–9	4.5b,4.0b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**31 13 26 58.1–.40**	**13.58S–.04**	**167.60E–.05**	**13–2**	**5.4b,5.2s**	**536**	**2-166**
BJI	VIII	31 13 26 54.1	13.39S	167.93E	5	5.5b,5.3s	**¶621012259**	
IDC	VIII	31 13 26 55.6–.41	13.52S	167.58E	0	5.0s,4.8L		
MOS	VIII	31 13 26 56.4–.95	13.55S	167.55E	16	5.3b,5.2s		
GFZ	VIII	31 13 26 57.1	13.62S	167.65E	10	5.4W,5.2s		
NEIC	VIII	31 13 26 58.6	13.43S	167.81E	12	5.4,5.2s		
NEIC	VIII	31 13 26 58.1–2.1	13.69S–.06	167.54E–.04	10–1	5.5b,5.4		
NEIC	VIII	31 13 26 58.2	13.73S	167.50E	10	5.5b,5.4		
NEIC	VIII	31 13 26 58.2	13.73S	167.50E	10	5.5b,5.4		
GFZ	VIII	31 13 26 59.3–.32	14S–4.0	167E–5.0	10	5.3b,5.2		
NOU	VIII	31 13 27 00.0	13.56S	167.67E	33	5.1b,5.2		
GCMT	VIII	31 13 27 02.2–.10	13.57S–.01	167.64E	12	5.5W,5.2		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.64 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-0.76 $M_{r\theta}$-0.09 $M_{\theta\phi}$1.27 $M_{\phi r}$-0.75 NP1: ϕ_s283.53206°,δ53.92400°,λ18.93613°. NP2:ϕ_s182.11055°,δ74.79437°,λ142.39449°. Principal axes: T 1.4159,Plg37.0024°,Azm136.6547°; N 0.3813,Plg49.8621°,Azm343.3061°; P -1.7972,Plg13.3514°,Azm236.9581° M_o1.64014×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.32 $M_{\theta\theta}$0.32 $M_{\phi\phi}$-0.65 $M_{r\theta}$-0.48 $M_{\theta\phi}$1.34 $M_{\phi r}$-0.24 NP1:ϕ_s187.30000°,δ71.26000°,λ163.97000°. NP2:ϕ_s282.58000°,δ74.84000°,λ19.45000°. Principal axes: T 1.5064,Plg24.0000°,Azm146.0000°; N 0.0866,Plg66.0000°,Azm319.0000°; P -1.5931,Plg2.0000°,Azm54.0000° M_o1.55000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.46 $M_{\theta\theta}$0.49 $M_{\phi\phi}$-0.95 $M_{r\theta}$0.42 $M_{\theta\phi}$1.61 $M_{\phi r}$-0.18 NP1:ϕ_s12.00000°,δ74.34000°,λ176.66000°. NP2:ϕ_s102.90000°,δ86.79000°,λ15.68000°. Principal axes: T 1.5939,Plg13.0000°,Azm329.0000°; N 0.4547,Plg74.0000°,Azm114.0000°; P -2.0487,Plg9.0000°,Azm236.0000° M_o1.86000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108311326A. Moment Tensor Solution. s127,c250; s160,c324;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.33±.02 $M_{\theta\theta}$0.60±.02; $M_{\phi\phi}$-0.92±.02; $M_{r\theta}$-0.46±.04; $M_{\theta\phi}$1.69±.01; $M_{\phi r}$0.23±.04; Best double couple: NP1: ϕ_s192.00000°,δ75.00000°,λ180.00000°. NP2:ϕ_s282.20000°,δ90.00000°,λ15.00000°. Principal axes: T 1.7380,Plg11.0000°,Azm148.0000°; N 0.3620,Plg75.0000°,Azm284.0000°; P -2.0990,Plg10.0000°,Azm56.0000° M_o1.91800×10^{17}

IDC	**IX**	**01 10 40 58.6–8.5**	**13.38S**	**167.70E**	**0**	**4.2L,3.8**		
							¶621080616	
IDC	IX	Error ellipse: s-maj=144.7km s-min=27.3km az=69.0.						
ISC	**IX**	**01 13 23 19.8–1.4**	**16.10S–.09**	**167.8E–.20**	**177**	**4.1b**	**13**	**6-84**
IDC	IX	01 13 23 15.2–3.0	15.90S	167.81E	133–24	4.3,3.8b	**¶621080623**	

ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=19.1km az=83.0.

ISC	**IX**	**04 07 53 47.2–.28**	**17.33S–.03**	**167.76E–.04**	**10**	**5.0b,4.4s**	**247**	**1-157**
IDC	IX	04 07 53 45.2–.52	17.21S	167.71E	0	4.5b,4.5	**¶621030595**	
NOU	IX	04 07 53 46.3	17.35S	167.73E	1	4.8b,4.5		
NEIC	IX	04 07 53 47.1–1.1	17.25S–.05	167.8E–.10	10–1	5.1,5.0b		
BJI	IX	04 07 53 50.0	17.30S	167.70E	40	5.1b,4.9b		
GFZ	IX	04 07 53 51.1–.36	17S–3.0	168E–3.0	39–3	4.9,4.9b		
GCMT	IX	04 07 53 51.8–.20	17.28S–.01	167.65E–.01	24–0	5.1W,4.9b		

ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109040753A. Moment Tensor Solution. s82,c121; s108,c175;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.71±.15 $M_{\theta\theta}$0.47±.10; $M_{\phi\phi}$-5.19±.10; $M_{r\theta}$0.90±.16; $M_{\theta\phi}$0.90±.07; $M_{\phi r}$-2.91±.14; Best double couple: NP1: ϕ_s357.00000°,δ30.00000°,λ99.00000°. NP2:ϕ_s166.00000°,δ61.00000°,λ85.00000°. Principal axes: T 5.5810,Plg74.0000°,Azm63.0000°; N 0.5810,Plg4.0000°,Azm169.0000°; P -6.1670,Plg16.0000°,Azm260.0000° M_o5.87400×10^{16}

ISC	**IX**	**03 02 27 05.4–1.0**	**15.06S–.08**	**167.5E–.20**	**129**	**4.1b**	**28**	**0-126**
NEIC	IX	03 02 27 04.6–1.6	15.1S–.10	167.6E–.20	116–6	4.3b	**¶621081543**	
IDC	IX	03 02 27 05.5–4.4	15.10S	167.39E	127–36	4.3,3.9b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=16.2km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.6km s-min=21.6km az=56.0.

IDC	**IX**	**01 12 41 07.1–2.1**	**15.57S**	**167.92E**	**0**	**3.7b,3.7**		
							¶621080622	
IDC	IX	Error ellipse: s-maj=51.2km s-min=42.0km az=45.0.						
ISC	**IX**	**02 00 08 03.3–.99**	**14.8S–.10**	**167.0E–.10**	**67**	**4.2b**	**21**	**1-100**
IDC	IX	02 00 07 53.9–1.4	14.45S	166.85E	0	3.9b,3.9	**¶621080647**	
NEIC	IX	02 00 07 59.9–.53	14.56S–.09	167.0E–.20	33–7	4.4b,3.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**05 07 27 34.8–.53**	**13.70S–.06**	**167.28E–.07**	**35**	**4.0b,3.6s**	**45**	**2-99**
IDC	IX	05 07 27 30.3–.77	13.55S	167.33E	0	4.2L,4.0	**¶621086388**	
NEIC	IX	05 07 27 31.6–1.1	13.73S–.06	167.38E–.09	10–1	4.3b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU	**IX**	**04 17 50 39.9**	**14.97S**	**167.11E**	**105**	**4.6**		
							¶621309520	
NOU	Vanuatu Islands.							
NOU	**IX**	**04 23 15 53.0**	**16.15S**	**167.65E**	**28**	**3.8**		
							¶621309519	
NOU	Vanuatu Islands.							
NOU	**IX**	**05 18 21 52.2**	**15.83S**	**167.91E**	**3**	**3.7**		
							¶621309528	
NOU	Vanuatu Islands.							

ISC	**IX**	**05 12 52 18.3–.28**	**14.75S–.04**	**167.90E–.04**	**10**	**4.9b,3.9s**	**403**	**1-155**
NOU	IX	05 12 52 16.1	14.76S	168.07E	0	5.0b,3.9s	**¶621035617**	
IDC	IX	05 12 52 16.5–.43	14.69S	167.90E	0	4.6b,4.6		
NEIC	IX	05 12 52 18.6–1.0	14.76S–.05	167.81E–.03	10–1	4.8b,4.6		
BJI	IX	05 12 52 21.6	14.40S	168.25E	44	5.1b,5.1b		
GCMT	IX	05 12 52 21.8–.20	14.75S–.02	167.86E–.01	13–0	4.8W,5.1b		
GFZ	IX	05 12 52 23.8–.16	15S–3.0	168E–3.0	42	5.2,5.1b		

ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109051252A. Moment Tensor Solution. s39,c44; s97,c136; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.23±.12 $M_{\theta\theta}$-0.20±.07; $M_{\phi\phi}$-2.03±.08; $M_{r\theta}$0.47±.18; $M_{\theta\phi}$0.63±.05; $M_{\phi r}$-0.04±.15; Best double couple: NP1:ϕ_s353.00000°,δ44.00000°,λ105.00000°. NP2:ϕ_s152.00000°,δ48.00000°,λ76.00000°. Principal axes: T 2.3190,Plg79.0000°,Azm354.0000°; N -0.0850,Plg11.0000°,Azm162.0000°; P -2.2330,Plg2.0000°,Azm252.0000° M_o2.27600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**IX**	**06 13 14 31.1–.83**	**17.63S–.05**	**167.5E–.10**	**19**	**4.2b,3.5s**	**32**	**2-89**
IDC	IX	06 13 14 28.7–.85	17.54S	167.53E	0	4.1,4.0b	**¶621094256**	
NEIC	IX	06 13 14 30.0–1.1	17.59S–.05	167.5E–.10	10–2	4.4b,4.0b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**06 06 22 21.9–.54**	**15.90S–.05**	**166.29E–.04**	**26**	**4.4b,3.6s**	**78**	**1-97**
IDC	IX	06 06 22 19.1–.97	15.98S	166.15E	0	4.4L,4.2	**¶621036060**	
NEIC	IX	06 06 22 19.7–.90	15.88S–.07	166.32E–.05	10–1	4.6b,4.2		
NOU	IX	06 06 22 21.3	15.91S	166.29E	25	5.1,4.2		
GCMT	IX	06 06 22 21.9–.40	15.98S–.02	166.13E–.02	30–1	4.8W,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109060622A. Moment Tensor Solution. s17,c22; s68,c80; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.14 $M_{\theta\theta}$1.52±.12; $M_{\phi\phi}$-1.36±.11; $M_{r\theta}$0.45±.15; $M_{\theta\phi}$1.33±.09; $M_{\phi r}$-0.85±.15; Best double couple: NP1:ϕ_s26.00000°,δ71.00000°,λ-165.00000°. NP2:ϕ_s291.00000°,δ76.00000°,λ-20.00000°. Principal axes: T 2.0460,Plg3.0000°,Azm339.0000°; N 0.2570,Plg66.0000°,Azm76.0000°; P -2.3070,Plg24.0000°,Azm248.0000° M_o2.17600×10^{16}

ISC	**IX**	**06 09 25 01.2–.81**	**17.59S–.06**	**167.51E–.10**	**10**	**4.0b**	**22**	**2-85**
IDC	IX	06 09 24 59.4–1.2	17.56S	167.68E	0	4.0b,3.9	**¶621094243**	
NEIC	IX	06 09 25 01.9–1.5	17.55S–.05	167.59E–.09	10–2	4.5b,3.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**06 09 28 08.3–1.1**	**17.6S–.20**	**167.4E–.10**	**19**	**3.7b**	**7**	**5-89**
IDC	IX	06 09 28 04.7–1.2	17.42S	167.56E	0	3.9b,3.9	**¶621094244**	

ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=20.5km az=163.0.

ISC	**IX**	**10 17 45 17.1–.51**	**14.63S–.03**	**167.91E–.04**	**12–2**	**5.3b,4.7s**	**576**	**1-167**
IDC	IX	10 17 45 15.7–.37	14.59S	167.78E	0	4.8b,4.8	**¶621240977**	
MOS	IX	10 17 45 16.6–1.8	14.70S	167.80E	10	5.5b,4.8s		
NEIC	IX	10 17 45 16.6–1.9	14.70S–.04	167.81E–.05	7–3	5.3b,4.8s		
NOU	IX	10 17 45 16.0	14.60S	167.93E	3	5.2b,4.8s		
BJI	IX	10 17 45 16.2	14.17S	167.79E	5	5.6b,5.2b		
NEIC	IX	10 17 45 17	14.72S	167.79E	9	5.6b,5.2b		
NEIC	IX	10 17 45 17.6	14.52S	167.89E	12	5.3,5.2b		
GFZ	IX	10 17 45 17.6	14.60S	167.88E	10	5.2W,5.2b		
GFZ	IX	10 17 45 19.5–.28	15S–4.0	168E–4.0	10	5.7b,5.2		
GCMT	IX	10 17 45 20.1–.10	14.57S–.01	167.78E–.01	12	5.2W,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.65 $M_{\theta\phi}$0.47 $M_{\phi r}$-0.40 NP1:ϕ_s334.06000°,δ24.27000°,λ116.46000°. NP2:ϕ_s125.43000°,δ68.41000°,λ78.64000°. Principal axes: T 1.0184,Plg65.0000°,Azm16.0000°; N 0.0961,Plg11.0000°,Azm130.0000°; P -1.1145,Plg23.0000°,Azm224.0000° M_o1.07000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}7.05 $M_{\theta\theta}$-3.82 $M_{\phi\phi}$-3.82 $M_{r\theta}$1.89 $M_{\theta\phi}$3.23 $M_{\phi r}$-0.79 NP1: ϕ_s131.11343°,δ52.87825°,λ82.22186°. NP2:ϕ_s323.86649°,δ37.81273°,λ100.13777°. Principal axes: T 7.3928,Plg80.1887°,Azm6.9473°; N -0.3740,Plg6.1950°,Azm135.8260°; P -7.0188,Plg7.5783°,Azm226.6535° M_o7.21304×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109101745A. Moment Tensor Solution. s55,c75; s108,c186; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.02 $M_{\theta\theta}$-0.19±.01; $M_{\phi\phi}$-0.50±.01; $M_{r\theta}$0.15±.04; $M_{\theta\phi}$0.54±.01; $M_{\phi r}$-0.03±.04; Best double couple: NP1:ϕ_s334.00000°,δ42.00000°,λ106.00000°. NP2:ϕ_s133.00000°,δ50.00000°,λ76.00000°. Principal axes: T 0.7240,Plg78.0000°,Azm343.0000°; N 0.1900,Plg11.0000°,Azm142.0000°; P -0.9140,Plg4.0000°,Azm233.0000° M_o0.81900×10^{17}

IDC	**IX**	**10 13 18 36.4–8.1**	**14.62S**	**165.66E**	**0**	**4.2L,4.0**		
							¶621108518	
IDC	IX	Error ellipse: s-maj=139.2km s-min=23.4km az=56.0.						
IDC	**IX**	**10 14 11 50.0–3.5**	**18.81S**	**168.63E**	**257–48**	**3.9,3.3b**		
							¶621108524	
IDC	IX	Error ellipse: s-maj=96.8km s-min=22.7km az=154.0.						
IDC	**IX**	**09 18 12 02.3–2.2**	**13.88S**	**167.04E**	**0**	**4.0s,3.9b**		
							¶621105898	
IDC	IX	Error ellipse: s-maj=54.2km s-min=45.9km az=67.0.						

ISC	**IX**	**13 17 13 34.4–.44**	**15.74S–.04**	**167.77E–.06**	**140–3**	**4.7b**	**232**	**0-155**
IDC	IX	13 17 13 32.9–.91	15.82S	167.89E	130–7	4.6,4.1b	**¶621072368**	
NEIC	IX	13 17 13 34.8–1.9	15.72S–.07	167.8E–.10	141–4	4.8b,4.1b		
NOU	IX	13 17 13 34.6	15.71S	167.70E	138	4.8b,4.1b		
BJI	IX	13 17 13 34.7	15.16S	167.94E	136	5.3b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=10.3km az=93.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=9.2km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.

ISC	**IX**	**11 05 53 31.0–1.0**	**17.76S–.06**	**167.6E–.20**	**10**	**4.1b,3.6s**	**24**	**2-129**
NEIC	IX	11 05 53 30.3–1.4	17.71S–.06	167.6E–.10	10–2	4.4b,3.6s	**¶621108564**	
IDC	IX	11 05 53 30.5–.90	17.67S	167.61E	0	4.1b,4.1		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=10.5km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.1km s-min=17.2km az=106.0.

ISC	**IX**	**15 09 53 47.3–.81**	**14.98S–.07**	**167.35E–.09**	**129**	**4.2b**	**40**	**0-75**
IDC	IX	15 09 53 44.7–9.2	14.83S	167.37E	122–60	3.9,3.4b	**¶621111979**	
NEIC	IX	15 09 53 46.8–1.0	14.88S–.10	167.3E–.10	126–7	4.4b,3.4b		
NOU	IX	15 09 53 49.4	15.09S	167.27E	107	4.6,3.4b		

ISC Event type se.
IDC Error ellipse: s-maj=77.8km s-min=31.4km az=34.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=13.5km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.

ISC	**IX**	**19 19 06 08.2–.55**	**14.86S–.07**	**167.57E–.09**	**129**	**4.2b**	**60**	**1-146**
NEIC	IX	19 19 06 05.2–1.4	14.70S–.07	167.70E–.08	100–5	4.3b	**¶621086500**	
IDC	IX	19 19 06 09.5–3.2	14.98S	167.40E	127–25	4.2,3.8b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=10.5km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.6km s-min=15.4km az=72.0.

ISC	**IX**	**17 13 41 25.9–.82**	**13.39S–.10**	**167.5E–.10**	**35**	**3.9b,3.8s**	**12**	**8-86**
IDC	IX	17 13 41 20.4–.95	13.29S	167.53E	0	3.9,3.8b	**¶621112966**	

ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=18.7km az=112.0.
ISC IX 17 10 28 41.0–.32 13.42S–.03 167.49E–.03 17–1 5.8b,5.7s 1210 2-170
IDC IX 17 10 28 38.3–.31 13.39S 167.47E 0 5.2s,5.1b **¶621081292**
NEIC IX 17 10 28 39.8–1.1 13.46S–.06 167.42E–.08 8–1 5.9b,5.7
MOS IX 17 10 28 39.8–.99 13.43S 167.37E 19 5.8b,5.4s
ISC-P IX 17 10 28 39 13.46S 167.42E 5–0 6.0,5.4s
PTWC IX 17 10 28 40 13.40S 167.50E 10 5.8,5.4s
NEIC IX 17 10 28 40.7 13.43S 167.40E 10 5.8,5.4s
BJI IX 17 10 28 40.4 13.35S 167.45E 10 5.7b,5.6s
GFZ IX 17 10 28 40.3 13.31S 167.50E 14 5.8W,5.6s
GFZ IX 17 10 28 40.8–.21 13S–2.0 167E–2.0 15–1 6.0b,6.0L
NOU IX 17 10 28 43.9 13.42S 167.40E 34 5.5b,6.0L
GCMT IX 17 10 28 44.1–.10 13.37S–.01 167.44E 12 5.8W,6.0L
NEIC IX 17 10 28 51.2 13.43S 167.40E 12 5.8,6.0L
ISC Event type se.
IDC Error ellipse: s-maj=11.7km s-min=9.6km az=70.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.6km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.9km s-min=6.2km az=127.8.
ISC-P Moment Tensor Solution. s34 Moment tensor: Scale 10^{18}Nm; M_{rr}0.79±.16 $M_{\theta\theta}$-0.16±.18; $M_{\phi\phi}$0.36±.12; $M_{r\theta}$0.23±.12; $M_{\theta\phi}$-0.24±.13; $M_{\phi r}$-0.05±.17; NP1:ϕ_s108.50000°,δ61.50000° ,λ115.70000°. NP2:ϕ_s243.30000°,δ37.60000°,λ51.40000°. M_o1.33000×10^{18}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}5.76 $M_{\theta\theta}$-1.68 $M_{\phi\phi}$-4.08 $M_{r\theta}$1.99 $M_{\theta\phi}$3.19 $M_{\phi r}$-1.79 NP1: ϕ_s139.46027°,δ56.96385°,λ83.24964°. NP2:ϕ_s331.70992°,δ33.64201°,λ100.24567°.
Principal axes: T 6.3646,Plg76.9489°,Azm27.8640°; N 0.4657,Plg5.6551°,Azm143.1524° ; P -6.8303,Plg11.7233°,Azm234.3298° M_o6.60974×10^{17}
GFZ Error ellipse: s-maj=4.7km s-min=4.4km az=164.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109171028A. Moment Tensor Solution.
s112,c206; s158,c464;Duration: 1ŧ8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.24±.04 $M_{\theta\theta}$-0.38±.04; $M_{\phi\phi}$-3.86±.04; $M_{r\theta}$0.28±.11; $M_{\theta\phi}$3.89±.03; $M_{\phi r}$0.42±.10; Best double couple: NP1:ϕ_s135.00000°,δ45.00000°,λ73.00000°. NP2:ϕ_s338.00000°,δ47.00000°,λ106.00000°.
Principal axes: T 4.3400,Plg78.0000°,Azm322.0000°; N 2.0420,Plg12.0000°,Azm147.0000° ; P -6.3860,Plg1.0000°,Azm57.0000° M_o5.36300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4ŧ0 Moment tensor: Scale 10^{17}Nm; M_{rr}4.83 $M_{\theta\theta}$-1.10 $M_{\phi\phi}$-3.72 $M_{r\theta}$-1.03 $M_{\theta\phi}$3.74 $M_{\phi r}$1.87 NP1:ϕ_s140.45000°,δ34.75000° ,λ83.73000°. NP2:ϕ_s328.07000°,δ55.49000°,λ94.33000°. Principal axes:
T 5.2298,Plg79.0000°,Azm254.0000°; N 1.5316,Plg4.0000°,Azm146.0000° ; P -6.7615,Plg10.0000°,Azm55.0000° M_o6.14000×10^{17}
ISC IX 17 10 48 08.9–.35 13.45S–.05 167.41E–.06 10 5.0b,4.7s 210 2-166
NOU IX 17 10 48 04.0 13.04S 167.82E 7 4.9b,4.7s **¶621081293**
IDC IX 17 10 48 07.3–.46 13.43S 167.40E 0 4.6s,4.5
NEIC IX 17 10 48 08.9–1.1 13.44S–.07 167.43E–.08 10–1 5.1b,4.5
BJI IX 17 10 48 08.3 12.95S 167.94E 14 5.3b,5.1s
GCMT IX 17 10 48 12.4–.30 13.22S–.03 167.40E–.02 12 4.9W,5.1s
GFZ IX 17 10 48 12.2–1.9 14S–4.0 167E–5.0 27–14 4.9b,4.9
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109171048A. Moment Tensor Solution. s9,c10; s60,c96;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.48±.12 $M_{\theta\theta}$0.08±.12; $M_{\phi\phi}$-2.55±.10; $M_{r\theta}$-1.20±.49; $M_{\theta\phi}$1.47±.09; $M_{\phi r}$0.41±.44; Best double couple: NP1:ϕ_s178.00000°,δ41.00000° ,λ124.00000°. NP2:ϕ_s316.00000°,δ57.00000°,λ64.00000°. Principal axes:
T 2.9830,Plg66.0000°,Azm175.0000°; N 0.3640,Plg22.0000°,Azm330.0000° ; P -3.3410,Plg9.0000°,Azm64.0000° M_o3.16200×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 18 14 16 59.1–1.2 13.3S–.10 167.2E–.30 10 3.8b,3.3s 7 9-96
IDC IX 18 14 16 57.4–1.5 13.22S 167.17E 0 4.0b,3.9L **¶621113568**
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=20.9km az=90.0.
ISC IX 19 10 24 00.6–.61 13.55S–.08 167.31E–.09 35 4.1b,3.9s 19 8-96
IDC IX 19 10 23 55.0–.65 13.47S 167.39E 0 4.1L,4.1b **¶621113619**
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=13.4km az=66.0.
ISC IX 19 04 23 56.2–.37 13.39S–.05 167.44E–.06 10 5.0b,4.2s 198 2-166
IDC IX 19 04 23 54.3–.50 13.33S 167.37E 0 4.5,4.4b **¶621083060**
GFZ IX 19 04 23 55.8–.24 13S–5.0 168E–4.0 10 5.0L,4.7b
NEIC IX 19 04 23 56.6–2.2 13.41S–.06 167.5E–.10 10–1 5.1b,4.7b
BJI IX 19 04 23 57.1 12.94S 167.26E 10 5.1b,4.9b
GCMT IX 19 04 23 58.8–.20 13.30S–.01 167.43E–.01 12 4.9W,4.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109190423A. Moment Tensor Solution. s27,c31; s102,c149;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.27±.08 $M_{\theta\theta}$1.55±.07; $M_{\phi\phi}$-1.82±.07; $M_{r\theta}$0.18±.21; $M_{\theta\phi}$1.93±.06; $M_{\phi r}$-0.27±.23; Best double couple: NP1:ϕ_s21.00000°,δ85.00000° ,λ-177.00000°. NP2:ϕ_s290.00000°,δ87.00000°,λ-5.00000°. Principal axes:
T 2.4280,Plg1.0000°,Azm336.0000°; N 0.2970,Plg84.0000°,Azm78.0000° ; P -2.7310,Plg6.0000°,Azm246.0000° M_o2.58000×10^{16}
IDC IX 19 04 31 02.9–1.2 13.25S 167.17E 0 4.3L,3.9
¶621113607
IDC Error ellipse: s-maj=37.8km s-min=22.4km az=119.0.
ISC IX 20 16 47 39.6–.39 14.93S–.05 166.94E–.06 10 4.3b,3.5s 87 1-144
IDC IX 20 16 47 37.6–.57 14.91S 167.08E 0 4.0L,4.0b **¶621116001**
NEIC IX 20 16 47 41.4–1.1 14.94S–.04 166.95E–.08 17–4 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 21 01 53 13.5–1.3 13.26S 167.22E 0 3.9L,3.8b
¶621116015
IDC Error ellipse: s-maj=47.8km s-min=24.4km az=112.0.
NOU IX 21 09 45 31.6 15.47S 167.48E 72 4.5b
¶621309636
NOU Vanuatu Islands.
ISC IX 23 14 43 43.4–1.3 13.32S–.10 167.7E–.20 10 4.0b,3.3s 12 3-96
IDC IX 23 14 43 43.1–1.4 13.28S 167.40E 0 4.0L,4.0 **¶621125862**
NOU IX 23 14 44 21.4 16.35S 167.69E 1 3.2,4.0
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=22.6km az=90.0.
NOU Vanuatu Islands.
ISC IX 23 05 35 19.8–.77 18.3S–.20 169.3E–.10 240 3.6b 10 5-144
IDC IX 23 05 35 21.9–2.4 18.70S 169.48E 272–32 4.0,3.4b **¶621125831**
ISC Event type se.
IDC Error ellipse: s-maj=63.0km s-min=17.1km az=159.0.
NOU IX 24 12 00 08.4 15.55S 166.20E 6 4.4
¶621309651
NOU Vanuatu Islands.
IDC IX 23 11 00 38.5–8.7 13.81S 166.71E 0 3.7b,3.7
¶621125848
IDC Error ellipse: s-maj=148.2km s-min=26.4km az=64.0.
IDC IX 25 16 00 29.2–6.9 13.25S 168.01E 0 3.9b,3.9
¶621131460
IDC Error ellipse: s-maj=163.9km s-min=50.2km az=20.0.
ISC IX 24 11 13 15.5–.55 13.50S–.08 167.43E–.10 35 4.5b,3.6s 91 2-153
IDC IX 24 11 13 10.8–.59 13.38S 167.44E 0 4.3L,4.2b **¶621126433**
NEIC IX 24 11 13 12.2–.85 13.51S–.08 167.5E–.10 10–1 4.6b,4.2b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU IX 27 18 02 51.9 17.67S 168.23E 68 3.5
¶621309666
NOU Vanuatu Islands.
ISC IX 27 12 14 31.8–1.2 16.99S–.08 168.3E–.10 200 3.7b 17 1-123
IDC IX 27 12 14 34.4–4.6 17.17S 168.28E 233–35 3.8,3.2b **¶621140714**
NOU IX 27 12 14 42.0 17.33S 167.81E 119 3.4,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=28.6km az=38.0.
NOU Vanuatu Islands.
NOU IX 28 18 51 45.8 16.00S 167.54E 68 3.9
¶621309670
NOU Vanuatu Islands.
ISC IX 29 00 31 28.4–.28 15.83S–.04 166.48E–.04 26 5.0b,4.0s 292 1-165
IDC IX 29 00 31 23.6–.47 15.79S 166.48E 0 4.4L,4.4b **¶621112351**
NEIC IX 29 00 31 26.1–1.7 15.87S–.05 166.47E–.06 9–3 5.2b,4.8
GFZ IX 29 00 31 26.7–.25 16S–5.0 166E–5.0 10 5.8b,5.4
NOU IX 29 00 31 27.5 15.80S 166.44E 29 5.0b,5.4
GCMT IX 29 00 31 28.2–.20 15.89S–.02 166.32E–.01 23–0 5.0W,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109290031A. Moment Tensor Solution. s77,c94; s105,c145;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.04±.14 $M_{\theta\theta}$-1.01±.10; $M_{\phi\phi}$-3.03±.10; $M_{r\theta}$1.26±.17; $M_{\theta\phi}$1.59±.07; $M_{\phi r}$-1.05±.14; Best double couple: NP1:ϕ_s338.00000°,δ35.00000° ,λ102.00000°. NP2:ϕ_s144.00000°,δ56.00000°,λ82.00000°. Principal axes:
T 4.4000,Plg77.0000°,Azm26.0000°; N -0.2100,Plg7.0000°,Azm148.0000° ; P -4.1900,Plg11.0000°,Azm240.0000° M_o4.29500×10^{16}
ISC IX 30 05 13 55.5–.74 20.55S–.08 169.31E–.09 55 4.0b,3.5s 26 3-146
IDC IX 30 05 13 49.4–.96 20.60S 169.44E 0 4.4L,4.0 **¶621147741**
NEIC IX 30 05 13 54.4–.83 20.51S–.09 169.4E–.10 41–13 4.0b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 03 09 45 56.8–.38 19.18S–.03 169.14E–.04 154–3 4.9b 593 2-147
BJI X 03 09 45 54.8 18.99S 169.44E 146 4.7b,4.6b **¶621117088**
NEIC X 03 09 45 56.7–1.0 19.17S–.06 169.15E–.08 148–6 5.0b,4.9
IDC X 03 09 45 56.8–.66 19.19S 169.10E 151–5 5.0,4.6b
NOU X 03 09 45 57.2 19.20S 169.08E 146 5.3b,4.6b
GFZ X 03 09 45 58.4–.59 19S–5.0 169E–5.0 158–8 5.2b,5.0b
GCMT X 03 09 45 58.7–.20 19.19S–.02 169.01E–.02 166–2 5.0W,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110030945A. Moment Tensor Solution. s29,c33; s102,c139;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.51±.12 $M_{\theta\theta}$0.02±.14; $M_{\phi\phi}$-1.53±.14; $M_{r\theta}$-0.75±.09; $M_{\theta\phi}$1.23±.13; $M_{\phi r}$-3.08±.10; Best double couple: NP1:ϕ_s303.00000°,δ25.00000° ,λ30.00000°. NP2:ϕ_s185.00000°,δ78.00000°,λ112.00000°. Principal axes:
T 3.8600,Plg52.0000°,Azm121.0000°; N -0.2940,Plg22.0000°,Azm0.0000° ; P -3.5710,Plg29.0000°,Azm257.0000° M_o3.71600×10^{16}
ISC X 02 01 41 05.1–.83 15.21S–.07 167.5E–.10 129 4.5b 61 0-121
NEIC X 02 01 41 04.5–1.3 15.1S–.10 167.7E–.10 123–5 4.3b **¶621118242**
NOU X 02 01 41 04.9 15.23S 167.45E 128 4.8b
IDC X 02 01 41 05.2–5.6 15.21S 167.43E 127–41 4.5,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=15.1km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=42.7km s-min=19.4km az=35.0.
ISC IX 30 12 07 54.0–.35 13.82S–.04 167.25E–.04 176–2 4.9b 677 2-169
NEIC IX 30 12 07 53.9 13.77S 167.11E 163 4.9b **¶621113675**
BJI IX 30 12 07 53.2 13.47S 167.30E 172 5.3b,5.1b
IDC IX 30 12 07 53.9–.50 13.81S 167.20E 171–4 5.1,4.6b
NOU IX 30 12 07 54.1 13.80S 167.31E 182 5.3b,4.6b
NEIC IX 30 12 07 54.4–1.9 13.80S–.07 167.14E–.09 170–3 4.9b,4.6b
GFZ IX 30 12 07 54.6–.37 14S–3.0 167E–3.0 172–3 5.5b,5.1b
GCMT IX 30 12 07 55.7–.20 13.81S–.02 167.05E–.01 181–1 5.1W,5.1b
NEIC IX 30 12 07 55.5 13.67S 167.11E 180 5.1,5.1b
ISC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=9.2km az=91.0.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.0km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=7.1km s-min=6.4km az=159.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109301207A. Moment Tensor Solution. s53,c70; s120,c172;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.72±.13 $M_{\theta\theta}$-1.72±.15; $M_{\phi\phi}$-3.00±.16; $M_{r\theta}$0.62±.13; $M_{\theta\phi}$2.17±.15; $M_{\phi r}$-3.90±.13; Best double couple: NP1:ϕ_s310.00000°,δ28.00000° ,λ63.00000°. NP2:ϕ_s160.00000°,δ65.00000°,λ104.00000°. Principal axes:
T 6.3560,Plg67.0000°,Azm95.0000°; N -0.5100,Plg12.0000°,Azm334.0000° ; P -5.8470,Plg19.0000°,Azm240.0000° M_o6.10100×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1ŧ7 Moment tensor: Scale 10^{16}Nm; M_{rr}3.91 $M_{\theta\theta}$-1.73 $M_{\phi\phi}$-2.18 $M_{r\theta}$1.40 $M_{\theta\phi}$2.01 $M_{\phi r}$-2.27 NP1:ϕ_s312.51000°,δ28.42000° ,λ80.00000°. NP2:ϕ_s143.85000°,δ62.05000°,λ95.37000°. Principal axes:
T 4.7489,Plg72.0000°,Azm67.0000°; N 0.0234,Plg5.0000°,Azm321.0000° ; P -4.7723,Plg17.0000°,Azm230.0000° M_o4.76000×10^{16}
ISC X 01 21 47 00.9–.36 20.83S–.06 169.28E–.06 35 4.6b,3.7s 113 2-160
IDC X 01 21 46 55.9–.57 20.66S 169.30E 0 4.2b,4.2 **¶621147849**
NEIC X 01 21 47 01.4–2.3 20.81S–.09 169.3E–.10 35–1 4.8b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU X 06 08 34 34.2 15.89S 167.54E 26 3.6
¶621256324
NOU Vanuatu Islands.
IDC X 03 06 08 02.1–65 15.99S 166.04E 0 4.4b,4.4
¶621186115
IDC Error ellipse: s-maj=1087.0km s-min=104.5km az=67.0.
ISC X 05 13 43 59.0–.50 18.95S–.05 169.39E–.06 246 4.2b 68 1-125
NOU X 05 13 43 58.0 18.97S 169.66E 250 3.7 **¶621203175**
NEIC X 05 13 43 59.4–1.2 18.92S–.07 169.44E–.07 250–7 4.3b
IDC X 05 13 44 00.2–1.3 18.97S 169.36E 263–12 4.3,3.6b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.4km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.1km s-min=11.1km az=163.0.
ISC X 06 19 15 16.8–.46 19.04S–.06 168.97E–.07 200 4.3b 94 4-147
NEIC X 06 19 15 14.9–1.5 18.97S–.07 169.04E–.09 172–3 4.3b **¶621217167**
IDC X 06 19 15 16.0–1.5 19.02S 168.96E 186–12 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.9km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.7km s-min=12.3km az=163.0.
IDC X 06 10 10 36.3–71 13.22S 166.93E 0 3.6b,3.6
¶621217144

IDC Error ellipse: s-maj=1196.0km s-min=125.6km az=63.0.
ISC X 07 20 58 58.2–1.1 15.1S–.10 168.0E–.20 50 3.6b 7 7-98
IDC X 07 20 58 51.8–1.1 14.86S 167.94E 0 3.9b,3.9 **¶621217244**
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=18.9km az=110.0.
ISC X 07 16 23 11.6–.88 14.50S–.08 166.92E–.10 50 4.1b 39 1-120
NEIC X 07 16 23 06.7–2.6 14.35S–.07 167.06E–.08 10–2 4.3b **¶621217224**
IDC X 07 16 23 12.2–3.6 14.56S 166.90E 55–29 4.0,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=7.5km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.8km s-min=17.8km az=67.0.
ISC X 07 16 45 24.5–.43 13.29S–.05 167.00E–.08 178 4.2b 128 2-153
NEIC X 07 16 45 24.5–1.5 13.30S–.08 167.1E–.10 178–6 4.3b **¶621217225**
IDC X 07 16 45 25.1–2.6 13.36S 167.00E 185–21 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=11.5km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.1km s-min=13.8km az=107.0.
ISC X 07 03 05 44.3–.50 17.74S–.05 168.08E–.05 27 4.4b,3.4s 62 0-100
IDC X 07 03 05 40.3–.73 17.64S 167.99E 0 4.2b,4.2 **¶621217182**
NOU X 07 03 05 44.8 17.79S 168.06E 21 4.2,4.2
NEIC X 07 03 05 47.0–2.1 17.72S–.07 167.91E–.09 35–2 4.6b,4.2
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 18 06 42.4–.68 16.06S–.06 168.03E–.09 177 4.2b 58 1-122
IDC X 06 18 06 42.4–3.0 16.02S 168.03E 176–23 4.2,3.6b **¶621217163**
NEIC X 06 18 06 42.9–.99 16.08S–.06 168.1E–.10 181–7 4.2b,3.6b
NOU X 06 18 06 47.8 16.31S 167.93E 138 3.9,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=19.2km az=54.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=7.4km az=70.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
ISC X 12 03 59 51.3–.51 20.09S–.04 169.26E–.06 84 4.5b 76 1-145
NEIC X 12 03 59 50.6–1.6 20.03S–.07 169.27E–.09 68–7 4.5b **¶621146150**
NOU X 12 03 59 51.1 20.10S 169.14E 32 4.9
IDC X 12 03 59 52.1–2.3 20.27S 169.16E 82–18 4.5,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.6km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=20.1km s-min=16.0km az=179.0.
NOU X 10 15 59 16.1 20.94S 169.03E 0 3.5
¶621256345
NOU Vanuatu Islands.
NOU X 08 01 49 05.7 16.32S 167.65E 12 3.9
¶621256338
NOU Vanuatu Islands.
IDC X 10 09 16 03.0–10 18.33S 168.30E 251–46 4.1,3.5b
¶621235372
IDC Error ellipse: s-maj=138.9km s-min=24.4km az=35.0.
NOU X 13 14 03 48.2 16.47S 167.56E 0 3.1
¶621256364
NOU Vanuatu Islands.
ISC X 15 18 36 17.0–.64 19.26S–.05 169.65E–.08 35 4.3b,3.6s 47 0-145
NOU X 15 18 36 13.2 19.12S 169.73E 2 3.9,3.6s **¶621242079**
NEIC X 15 18 36 14.4–1.6 19.31S–.07 169.60E–.08 10–1 4.4b,3.6s
IDC X 15 18 36 18.1–2.6 19.61S 169.69E 46–25 4.2,4.0b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.6km az=118.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.4km s-min=18.6km az=151.0.
ISC X 14 05 51 55.9–.24 15.02S–.03 167.46E–.03 129–1 5.4b 975 0-169
BJI X 14 05 51 54.5 14.67S 167.52E 118 5.6b,5.3b **¶621148715**
NEIC X 14 05 51 55.7–1.3 15.05S–.08 167.47E–.10 116–1 5.6,5.5b
MOS X 14 05 51 55.0–.97 14.99S 167.28E 123 5.5b,4.9s
GFZ X 14 05 51 55.1 15.04S 167.46E 112 5.6W,4.9s
NEIC X 14 05 51 56.2 15.10S 167.40E 120 5.6W,4.9s
NOU X 14 05 51 56.5 15.02S 167.44E 124 5.2b,4.9s
NEIC X 14 05 51 56.2 15.10S 167.40E 120 5.2b,4.9s
IDC X 14 05 51 56.1–.48 15.09S 167.40E 126–4 5.2,4.8b
GFZ X 14 05 51 56.9–.41 15S–2.0 167E–3.0 128–3 5.8b,5.5
GCMT X 14 05 51 57.0–.10 15.02S–.01 167.21E–.01 121–0 5.6W,5.5
NEIC X 14 05 52 00.7 15.00S 167.30E 120 5.6,5.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=13.5km az=265.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.19 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-3.12 $M_{r\theta}$-0.54 $M_{\theta\phi}$-0.22 $M_{\phi r}$1.23 NP1:ϕ_s354.09000°,δ56.11000°,λ78.77000°. NP2:ϕ_s193.68000°,δ35.49000°,λ106.16000°. Principal axes: T 3.5117,Plg76.0000°,Azm230.0000°; N -0.1522,Plg9.0000°,Azm0.0000°; P -3.3595,Plg10.0000°,Azm92.0000° $M_0$3.44000×10^{17}
MOS Error ellipse: s-maj=8.8km s-min=6.7km az=125.2.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.35 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-3.39 $M_{r\theta}$-0.54 $M_{\theta\phi}$-0.51 $M_{\phi r}$0.51 NP1:ϕ_s198.23747°,δ42.26399°,λ105.06678°. NP2:ϕ_s358.24833°,δ49.50153°,λ76.70852°. Principal axes: T 3.4845,Plg79.2689°,Azm207.4298°; N 0.0016,Plg10.0685°,Azm6.9704°; P -3.4861,Plg3.6742°,Azm97.6237° $M_0$3.48533×10^{17}
NEIC Event type se.
NOU Vanuatu Islands.
NEIC Event type se.
IDC Error ellipse: s-maj=9.6km s-min=8.8km az=132.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110140551A. Moment Tensor Solution. s143,c256; s162,c342;Duration: 1⇕6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.26±.03 $M_{\theta\theta}$0.34±.03; $M_{\phi\phi}$-3.60±.03; $M_{r\theta}$-0.62±.03; $M_{\theta\phi}$-0.75±.04; $M_{\phi r}$0.83±.03; Best double couple: NP1:ϕ_s204.00000°,δ41.00000°,λ111.00000°. NP2:ϕ_s357.00000°,δ52.00000°,λ72.00000°. Principal axes: T 3.5200,Plg75.0000°,Azm212.0000°; N 0.2890,Plg14.0000°,Azm8.0000°; P -3.8100,Plg6.0000°,Azm99.0000° $M_0$3.66500×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3⇕2 Moment tensor: Scale 10^{17}Nm; M_{rr}3.04 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-2.57 $M_{r\theta}$-0.65 $M_{\theta\phi}$-0.01 $M_{\phi r}$0.69 NP1:ϕ_s189.14000°,δ38.81000°,λ105.46000°. NP2:ϕ_s349.60000°,δ52.84000°,λ77.90000°. Principal axes: T 3.2397,Plg78.0000°,Azm214.0000°; N -0.5841,Plg10.0000°,Azm357.0000°; P -2.6556,Plg7.0000°,Azm88.0000° $M_0$2.99000×10^{17}
ISC X 13 17 12 31.8–1.3 14.3S–.10 167.2E–.20 150 3.5b 8 8-120
IDC X 13 17 12 34.4–7.7 14.46S 167.25E 179–79 3.8,3.4b **¶621238990**
ISC Event type se.
IDC Error ellipse: s-maj=72.3km s-min=29.3km az=156.0.
ISC X 13 22 05 01.9–1.0 15.70S–.07 168.0E–.10 200 4.4b 50 1-127
IDC X 13 22 04 55.7–8.1 15.24S 167.78E 137–73 4.4,4.1b **¶621148209**
NEIC X 13 22 05 02.9–1.6 15.7S–.10 167.96E–.10 203–8 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 22 25 58.1–.39 14.18S–.06 167.28E–.07 200 4.5b 127 1-153
NEIC X 13 22 25 57.9–1.7 14.16S–.09 167.3E–.10 197–6 4.5b **¶621148211**
IDC X 13 22 26 00.8–1.7 14.23S 167.24E 224–15 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=13.1km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.5km s-min=10.7km az=75.0.
ISC X 15 18 38 37.9–.45 19.33S–.06 169.69E–.07 35 4.5b 78 4-147
NEIC X 15 18 38 34.7–1.6 19.33S–.06 169.74E–.04 10–1 4.5b **¶621242080**
IDC X 15 18 38 38.0–3.2 19.28S 169.72E 34–25 4.3,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=3.9km az=28.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.8km s-min=14.5km az=150.0.
ISC X 18 01 04 14.0–.99 19.0S–.20 169.5E–.10 10 4.2b,3.3s 8 4-144
IDC X 18 01 04 12.2–1.1 18.97S 169.62E 0 4.1b,4.1 **¶621244006**
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=16.4km az=147.0.
ISC X 16 08 08 25.7–.70 19.25S–.07 169.19E–.09 150 4.2b 26 4-90
NEIC X 16 08 08 24.3–1.1 19.28S–.04 169.4E–.10 142–9 4.2b **¶621242112**
IDC X 16 08 08 26.2–2.3 19.29S 169.17E 156–19 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=6.1km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.8km s-min=17.3km az=156.0.
ISC X 16 20 30 33.0–.72 19.40S–.07 169.64E–.08 35 4.2b,3.3s 30 4-145
IDC X 16 20 30 27.6–.98 19.30S 169.73E 0 4.0b,4.0 **¶621242143**
NEIC X 16 20 30 30.3–1.7 19.41S–.08 169.69E–.09 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 17 15 57 33.3–.39 14.76S–.04 167.93E–.05 10 4.9b,3.9s 182 1-154
BJI X 17 15 57 30.2 14.66S 168.52E 14 5.2b,5.0b **¶621205027**
IDC X 17 15 57 31.2–.58 14.64S 168.01E 0 4.6b,4.6
NEIC X 17 15 57 34.1–2.5 14.83S–.05 167.96E–.06 10–1 4.9b,4.6
GFZ X 17 15 57 34.4–.55 15S–6.0 168E–9.0 10 5.3b,4.9b
NOU X 17 15 57 35.2 14.83S 167.83E 19 4.9b,4.9b
GCMT X 17 15 57 36.5–.30 14.71S–.03 167.75E–.02 22–0 4.9W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110171557A. Moment Tensor Solution. s32,c37; s73,c95; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.01±.21 $M_{\theta\theta}$-0.67±.14; $M_{\phi\phi}$-2.33±.13; $M_{r\theta}$0.52±.22; $M_{\theta\phi}$1.07±.07; $M_{\phi r}$-0.69±.19; Best double couple: NP1:ϕ_s337.00000°,δ37.00000°,λ95.00000°. NP2:ϕ_s151.00000°,δ53.00000°,λ86.00000°. Principal axes: T 3.1380,Plg81.0000°,Azm44.0000°; N -0.1570,Plg3.0000°,Azm153.0000°; P -2.9750,Plg8.0000°,Azm243.0000° $M_0$3.05700×10^{16}
IDC X 18 03 16 12.5–8.6 13.67S 167.14E 0 3.7L,3.6
¶621244012
IDC Error ellipse: s-maj=146.4km s-min=27.2km az=66.0.
ISC X 18 18 01 51.8–.89 14.14S–.08 165.65E–.09 35 4.0b 23 2-86
NEIC X 18 18 01 47.3–2.0 13.96S–.06 165.80E–.04 10–2 4.5b **¶621244040**
IDC X 18 18 01 48.4–1.5 14.16S 165.58E 0 4.1L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.5km az=350.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.7km s-min=15.4km az=64.0.
ISC X 18 07 26 51.7–.22 13.71S–.03 167.03E–.03 102–1 5.7b 1992 2-169
BJI X 18 07 26 51.1 13.62S 166.92E 100 6.1b,5.8b **¶621630062**
NEIC X 18 07 26 51.9 13.71S 166.97E 91 6.1b,5.8b
NEIC X 18 07 26 51.6–1.3 13.69S–.07 167.04E–.07 93–1 6.1,5.6b
IPGP X 18 07 26 52.0 13.74S 166.94E 96 6.2W,5.6b
NEIC X 18 07 26 52.4 13.72S 167.04E 101 6.2W,5.6b
IDC X 18 07 26 52.9–.84 13.74S 166.92E 110–6 5.6,5.3b
NOU X 18 07 26 52.5 13.65S 166.97E 107 5.8,5.3b
PTWC X 18 07 26 53 13.70S 166.90E 50 6.1,5.3b
GFZ X 18 07 26 53.6–.48 14S–3.0 167E–2.0 105–5 6.4b,6.3L
GFZ X 18 07 26 54.0 13.68S 166.98E 102 6.1W,6.3L
GCMT X 18 07 26 54.9–.00 13.69S 166.89E 105–0 6.2W,6.3L
NEIC X 18 07 27 00.2 13.71S 166.97E 110 6.2,6.3L
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=11.2km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.90 $M_{\theta\theta}$0.28 $M_{\phi\phi}$0.61 $M_{r\theta}$-0.43 $M_{\theta\phi}$-0.37 $M_{\phi r}$1.46 NP1:ϕ_s161.24000°,δ75.38000°,λ-83.36000°. NP2:ϕ_s316.48000°,δ16.03000°,λ-113.90000°. Principal axes: T 1.7042,Plg30.0000°,Azm246.0000°; N 0.0968,Plg6.0000°,Azm340.0000°; P -1.8010,Plg59.0000°,Azm80.0000° $M_0$1.75000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s329.00000°,δ20.00000°,λ-96.00000°. NP2:ϕ_s156.00000°,δ70.00000°,λ-88.00000°.
NEIC Event type se.
IDC Error ellipse: s-maj=9.1km s-min=8.6km az=77.0.
NOU Vanuatu Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.50 $M_{\theta\theta}$0.01 $M_{\phi\phi}$0.50 $M_{r\theta}$-0.44 $M_{\theta\phi}$-0.47 $M_{\phi r}$1.34 NP1:ϕ_s161.96530°,δ78.28768°,λ-81.44737°. NP2:ϕ_s305.43255°,δ14.46730°,λ-125.65392°. Principal axes: T 1.6701,Plg32.7615°,Azm244.7816°; N -0.2289,Plg8.3733°,Azm340.2167°; P -1.4412,Plg55.9169°,Azm82.7811° $M_0$1.56822×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110180726A. Moment Tensor Solution. s168,c422; s174,c624;Duration: 3⇕0 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.27±.01 $M_{\theta\theta}$0.28±.01; $M_{\phi\phi}$0.99±.01; $M_{r\theta}$-0.76±.01; $M_{\theta\phi}$-0.89±.01; $M_{\phi r}$1.70±.01; Best double couple: NP1:ϕ_s313.00000°,δ20.00000°,λ-110.00000°. NP2:ϕ_s155.00000°,δ71.00000°,λ-83.00000°. Principal axes: T 2.4940,Plg26.0000°,Azm239.0000°; N -0.2820,Plg7.0000°,Azm332.0000°; P -2.2090,Plg63.0000°,Azm76.0000° $M_0$2.35100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6⇕1 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.31 $M_{\theta\theta}$0.47 $M_{\phi\phi}$0.84 $M_{r\theta}$-0.80 $M_{\theta\phi}$-0.93 $M_{\phi r}$1.46 NP1:ϕ_s308.66000°,δ21.65000°,λ-109.52000°. NP2:ϕ_s149.54000°,δ69.66000°,λ-82.45000°. Principal axes: T 2.3410,Plg24.0000°,Azm234.0000°; N -0.2517,Plg7.0000°,Azm327.0000°; P -2.0894,Plg65.0000°,Azm72.0000° $M_0$2.23000×10^{18}
ISC X 19 14 43 06.8–.77 13.85S–.07 166.5E–.10 43 4.0b 34 2-83
IDC X 19 14 43 02.1–2.5 13.82S 166.52E 0 4.1L,3.9 **¶621244087**
NEIC X 19 14 43 08.3–1.5 13.81S–.08 166.6E–.10 58–8 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 10 22 14.3–1.3 17.55S–.07 170.0E–.20 150 4.0b 21 3-72
NEIC X 23 10 22 14.9–.98 17.57S–.08 170.21E–.10 159–7 4.0b **¶621309369**
IDC X 23 10 22 15.6–5.0 17.72S 170.12E 171–97 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=3.3km az=130.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=209.3km s-min=36.0km az=138.0.
ISC X 21 18 19 05.1–.99 16.09S–.07 168.2E–.10 177 3.9b 38 1-99
NEIC X 21 18 19 06.1–1.9 16.09S–.09 168.20E–.09 180–8 4.1b **¶621261422**
IDC X 21 18 19 09.2–3.5 16.28S 167.96E 207–25 4.1,3.6b
NOU X 21 18 20 12.2 20.93S 167.65E 0 2.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=5.4km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=38.3km s-min=24.3km az=65.0.
NOU Loyalty Islands.
NOU X 23 19 12 23.2 14.88S 166.94E 12 3.9 ¶621256408

NOU Vanuatu Islands.
NOU X 23 14 31 31.0 17.11S 167.97E 17 3.7 ¶621256411

NOU Vanuatu Islands.
NOU X 23 15 02 02.3 20.82S 169.63E 79 3.6 ¶621256410

NOU Vanuatu Islands.
NOU X 25 07 40 35.7 16.90S 167.85E 23 3.9 ¶621256427

NOU Vanuatu Islands.
IDC X 24 18 58 14.6–7.4 15.11S 165.73E 0 4.2L,4.1b ¶621366407

IDC Error ellipse: s-maj=126.7km s-min=23.1km az=56.0.
ISC X 26 12 12 12.0–1.6 15.3S–.10 168.1E–.20 200 3.6b 11 1-76
NOU X 26 12 12 14.4 15.51S 167.93E 186 3.7 **¶621256436**
IDC X 26 12 12 15.4–6.9 15.37S 167.68E 213–51 3.8,3.3b
ISC Event type se.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=64.5km s-min=33.4km az=39.0.
ISC X 27 08 30 36.7–1.2 14.82S–.10 168.2E–.20 35 4.0b,2.9s 25 1-86
IDC X 27 08 30 30.8–1.5 14.69S 168.28E 0 4.2L,4.0 **¶621385452**
NEIC X 27 08 30 33.1–1.2 14.68S–.04 168.3E–.10 10–2 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 08 39 45.4–.61 18.87S–.07 169.2E–.10 200 3.9b 36 4-144
NEIC X 29 08 39 44.8–2.2 18.84S–.08 169.2E–.10 191–9 4.1b **¶621246672**
IDC X 29 08 39 44.5–2.5 18.92S 169.25E 193–21 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.4km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.3km s-min=21.2km az=142.0.
ISC X 28 10 41 42.0–.92 15.96S–.07 168.0E–.10 150 3.8b 22 1-84
IDC X 28 10 41 42.8–3.7 15.93S 167.74E 155–31 4.0,3.6b **¶621256458**
NOU X 28 10 41 45.7 16.10S 167.91E 135 4.2,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=18.9km az=67.0.
NOU Vanuatu Islands.
IDC X 29 04 24 45.7–7.8 16.65S 167.13E 0 4.0b,4.0 ¶621391417

IDC Error ellipse: s-maj=131.7km s-min=24.8km az=68.0.
NOU X 29 04 27 22.2 17.65S 168.35E 88 3.8 ¶621256472

NOU Vanuatu Islands.
ISC X 27 12 18 18.7–.49 17.35S–.04 168.54E–.06 222 4.1b 100 0-129
NOU X 27 12 18 17.7 17.39S 168.53E 231 4.3 **¶621256444**
NEIC X 27 12 18 19.0–1.1 17.31S–.05 168.58E–.10 222–8 4.3b
IDC X 27 12 18 19.2–1.0 17.31S 168.51E 232–8 4.1,3.5b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=5.5km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.6km s-min=12.8km az=137.0.
ISC X 27 22 58 10.6–.76 17.92S–.04 168.55E–.08 150 3.7b 46 0-86
NEIC X 27 22 58 09.5–1.9 17.92S–.03 168.7E–.10 133–10 4.1b **¶621256440**
IDC X 27 22 58 10.4–5.8 18.00S 168.54E 139–43 3.9,3.6s
NOU X 27 22 58 11.5 17.97S 168.42E 123 4.0,3.6s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=4.2km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.6km s-min=32.5km az=55.0.
NOU Vanuatu Islands.
NOU X 29 12 36 40.5 18.01S 168.42E 118 3.9 ¶621256469

NOU Vanuatu Islands.
ISC X 30 02 20 10.5–.53 13.34S–.05 167.46E–.07 35 4.5b,3.6s 67 2-150
IDC X 30 02 20 05.4–.67 13.30S 167.36E 0 4.2b,4.1L **¶621256483**
NEIC X 30 02 20 07.5–2.7 13.38S–.10 167.6E–.20 10–1 4.6b,4.1L
NOU X 30 02 20 08.5 13.31S 167.52E 24 4.9b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=14.0km az=104.0.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=15.5km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC X 30 18 19 10.3–3.3 13.78S 166.51E 0 3.6b,3.6 ¶621395191

IDC Error ellipse: s-maj=67.8km s-min=30.6km az=68.0.
NOU X 30 11 18 08.6 20.43S 169.27E 9 3.3 ¶621256480

NOU Vanuatu Islands.
ISC X 30 00 13 24.6–.63 18.95S–.07 169.4E–.10 200 4.2b 58 4-147
NEIC X 30 00 13 25.1–1.6 18.96S–.08 169.4E–.10 204–8 4.3b **¶621244319**
IDC X 30 00 13 26.9–3.0 19.01S 169.23E 221–26 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=10.9km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=19.8km az=7.0.
NOU X 31 06 15 35.7 14.89S 167.34E 122 3.9 ¶621256493

NOU Vanuatu Islands.
ISC X 31 15 35 48.7–.65 14.86S–.05 167.90E–.07 10 4.4b,3.4s 69 1-98
IDC X 31 15 35 45.2–1.1 14.71S 168.07E 0 4.4L,4.3 **¶621244747**
NOU X 31 15 35 48.2 14.84S 168.03E 10 4.3,4.3
NEIC X 31 15 35 58.3–2.1 15.27S–.08 167.46E–.08 39–7 4.5b,4.3
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 01 09 36 06.4–5.6 13.09S 168.01E 0 3.6b,3.6 ¶621401258

IDC Error ellipse: s-maj=281.0km s-min=32.6km az=141.0.
ISC X 31 17 51 15.3–.41 18.94S–.05 169.72E–.08 246 4.2b 101 4-147
NEIC X 31 17 51 17.9–1.8 18.94S–.07 169.65E–.10 266–6 4.4b **¶621244762**
IDC X 31 17 51 19.3–1.8 18.93S 169.49E 283–17 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.2km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.3km s-min=12.9km az=137.0.
ISC XI 01 06 50 36.3–.40 14.16S–.05 167.20E–.06 10 4.6b,3.7s 117 1-151
NEIC XI 01 06 50 35.5–.99 14.12S–.02 167.30E–.08 10–1 4.5b,3.7s **¶621244958**
GFZ XI 01 06 50 36.2–.23 14S–3.0 167E–4.0 10 7.5,7.4b
IDC XI 01 06 50 37.1–.58 14.23S 166.81E 0 4.4L,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=4.5km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=17.3km s-min=13.0km az=75.0.
ISC XI 02 13 16 53.1–.32 14.95S–.05 168.01E–.06 36 4.8b,3.8s 277 7-133
IDC XI 02 13 16 46.5–.55 14.86S 168.01E 0 4.4b,4.4 **¶621254045**
NEIC XI 02 13 16 50.2–1.8 14.95S–.07 167.93E–.05 10–1 4.9b,4.4
BJI XI 02 13 16 52.0 15.00S 167.90E 40 5.2b,5.0s
GFZ XI 02 13 16 57.9–.35 15S–5.0 168E–5.0 69 4.8b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC XI 04 02 35 56.0–.49 16.91S–.03 167.57E–.06 25 4.5b 50 1-93
IDC XI 04 02 35 52.3–1.0 16.81S 167.60E 0 4.5L,4.1 **¶621412271**
NEIC XI 04 02 35 57.6–.88 16.91S–.05 167.76E–.08 35–1 4.8b,4.1
NOU XI 04 02 35 58.4 16.93S 167.50E 44 4.4,4.1
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=16.8km az=101.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.2km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
ISC XI 03 16 22 06.6–.86 13.19S–.10 168.7E–.20 550 3.9b 42 3-97
IDC XI 03 16 22 06.0–2.4 13.13S 168.70E 543–26 4.1,3.3b **¶621412250**
NEIC XI 03 16 22 06.3–.82 13.1S–.10 168.7E–.20 543–10 4.0b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 03 12 45 40.6–.40 18.50S–.03 169.02E–.04 226–3 5.1b 633 1-167
BJI XI 03 12 45 38.5 18.02S 169.17E 209 5.1b,4.9b **¶621261446**
NOU XI 03 12 45 39.5 18.47S 169.04E 216 5.1b,4.9b
NEIC XI 03 12 45 41 18.47S 168.91E 220 5.1b,4.9b
NEIC XI 03 12 45 41.7–1.1 18.49S–.07 168.93E–.09 227–6 5.1b,4.9b
GFZ XI 03 12 45 41.9–.49 18S–4.0 169E–3.0 232–5 5.2b,5.1b
NEIC XI 03 12 45 42.4 18.57S 169.12E 240 5.0,5.1b
IDC XI 03 12 45 42.3–1.1 18.55S 168.93E 241–10 5.1,4.6b
GCMT XI 03 12 45 43.0–.20 18.45S–.02 168.88E–.01 223–1 5.1W,4.6b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}3.12 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-3.48 $M_{r\theta}$1.68 $M_{\theta\phi}$0.58 $M_{\phi r}$-2.27 NP1:ϕ_s10.08000°,δ29.26000° ,λ122.80000°. NP2:ϕ_s153.63000°,δ65.74000°,λ73.12000°. Principal axes: T 4.3523,Plg65.0000°,Azm34.0000°; N 0.0743,Plg15.0000°,Azm161.0000° ; P -4.4266,Plg19.0000°,Azm256.0000° $M_0$4.39000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111031245A. Moment Tensor Solution. s55,c70; s101,c136; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.12 $M_{\theta\theta}$0.90±.14; $M_{\phi\phi}$-4.32±.12; $M_{r\theta}$1.84±.11; $M_{\theta\phi}$-0.34±.18; $M_{\phi r}$-2.17±.12; Best double couple: NP1:ϕ_s28.00000°,δ37.00000° ,λ133.00000°. NP2:ϕ_s159.00000°,δ64.00000°,λ63.00000°. Principal axes: T 4.8720,Plg61.0000°,Azm28.0000°; N 0.0230,Plg24.0000°,Azm172.0000° ; P -4.8900,Plg15.0000°,Azm268.0000° $M_0$4.88100×10^{16}
IDC XI 07 21 02 46.0–8.6 13.75S 165.96E 0 3.7L,3.6 ¶621416050

IDC Error ellipse: s-maj=146.5km s-min=25.2km az=59.0.
ISC XI 04 14 35 54.3–.64 17.87S–.05 168.05E–.08 32 4.1b,3.4s 32 3-97
IDC XI 04 14 35 50.2–3.1 17.64S 168.07E 0 4.2b,4.2 **¶621412301**
NEIC XI 04 14 35 55.5–2.6 17.92S–.06 168.14E–.05 35–2 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU XI 06 16 34 47.5 16.67S 167.83E 2 3.7 ¶621821962

NOU Vanuatu Islands.
ISC XI 11 01 13 21.5–.84 13.62S–.07 167.8E–.10 35 3.9b,3.8s 22 3-99
NOU XI 11 01 13 16.7 13.61S 167.79E 0 4.9,3.8s **¶621449497**
IDC XI 11 01 13 25.6–4.0 13.75S 167.56E 68–38 4.2L,4.1
ISC Event type se.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=31.0km s-min=20.4km az=146.0.
IDC XI 08 01 44 08.5–1.3 14.94S 167.05E 0 3.7b,3.7 ¶621423067

IDC Error ellipse: s-maj=52.8km s-min=33.1km az=142.0.
ISC XI 10 16 46 26.5–1.2 14.91S–.10 167.5E–.10 129 4.3b 23 1-94
IDC XI 10 16 46 22.8–8.7 14.72S 167.52E 100–59 4.2,3.8b **¶621399206**
NOU XI 10 16 46 27.3 14.94S 167.40E 98 4.4,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=69.7km s-min=27.8km az=35.0.
NOU Vanuatu Islands.
NOU XI 09 17 50 06.3 15.59S 167.76E 129 3.8 ¶621822293

NOU Vanuatu Islands.
IDC XI 10 22 56 25.6–1.8 13.55S 166.87E 0 3.6L,3.6b ¶621440084

IDC Error ellipse: s-maj=42.6km s-min=28.1km az=98.0.
ISC XI 13 18 25 33.4–.73 15.30S–.06 167.71E–.07 174–5 4.1b 118 1-166
IDC XI 13 18 25 32.9–1.9 15.30S 167.66E 169–16 4.2,3.7b **¶621402831**
NEIC XI 13 18 25 33.4–1.5 15.28S–.07 167.72E–.03 167–4 4.2b,3.7b
NOU XI 13 18 25 34.0 15.29S 167.75E 161 4.5,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=12.4km az=79.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=3.4km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
ISC XI 13 10 02 23.7–.76 19.44S–.05 169.84E–.08 35 4.4b,3.3s 44 1-145
IDC XI 13 10 02 18.4–.99 19.41S 169.94E 0 4.0b,4.0 **¶621468591**
NOU XI 13 10 02 23.3 19.43S 169.80E 21 3.8,4.0
NEIC XI 13 10 02 24.0–1.1 19.51S–.09 169.80E–.04 34–6 4.5b,4.0
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 08 50 06.4–1.9 17.7S–.10 168.4E–.10 150 4.0b 10 0-33
IDC XI 14 08 50 02.3–8.8 17.43S 168.49E 121–78 4.0,3.7b **¶621468659**
NOU XI 14 08 50 10.6 18.10S 168.49E 161 3.5,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=167.7km s-min=63.3km az=104.0.
NOU Vanuatu Islands.
ISC XI 14 18 38 21.0–2.1 13.6S–.10 166.9E–.20 150 3.8b 8 3-119
IDC XI 14 18 38 17.4–8.2 13.46S 167.03E 128–72 3.9,3.6b **¶621468729**
NOU XI 14 18 38 44.8 15.15S 167.63E 7 3.4,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=60.9km s-min=39.7km az=0.0.
NOU Vanuatu Islands.
NOU XI 15 09 34 01.9 16.55S 167.54E 25 3.8 ¶621822778

NOU Vanuatu Islands.
ISC XI 14 20 23 41.7–.29 15.88S–.04 166.53E–.04 26 4.9b,4.1s 257 1-165
BJI XI 14 20 23 37.0 15.80S 167.04E 17 5.2b,5.0s **¶621403086**
IDC XI 14 20 23 38.0–.45 15.85S 166.43E 0 4.8L,4.5b
NOU XI 14 20 23 38.9 15.91S 166.47E 9 5.1b,4.5b
GFZ XI 14 20 23 39.8–.21 16S–3.0 167E–4.0 10 6.1b,5.7
NEIC XI 14 20 23 39.5–1.8 15.96S–.04 166.59E–.06 10–1 4.8b,5.7
GCMT XI 14 20 23 40.9–.20 15.94S–.02 166.50E–.02 23–0 5.0W,5.7
ISC Event type se.
NOU Vanuatu Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111142023A. Moment Tensor Solution. s55,c71; s95,c124; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.22±.15 $M_{\theta\theta}$-1.79±.10; $M_{\phi\phi}$-1.43±.10; $M_{r\theta}$2.09±.15; $M_{\theta\phi}$1.57±.07; $M_{\phi r}$-0.75±.14; Best double couple: NP1:ϕ_s323.00000°,δ30.00000° ,λ110.00000°. NP2:ϕ_s120.00000°,δ62.00000°,λ79.00000°. Principal axes: T 3.9830,Plg71.0000°,Azm6.0000°; N -0.1740,Plg10.0000°,Azm125.0000° ; P -3.8090,Plg17.0000°,Azm218.0000° $M_0$3.89600×10^{16}

ISC	**XI**	**18 07 18 39.8–.57**	**20.86S–.04**	**169.88E–.05**	**125–4**	**4.8b**	**256**	**1-165**
BJI	XI	18 07 18 38.0	20.80S	169.80E	111	5.1b,4.7b		**¶621414651**
IDC	XI	18 07 18 39.8–.82	20.90S	169.87E	123–6	4.6,4.2b		
GFZ	XI	18 07 18 39.2–.23	21S–3.0	170E–3.0	116	5.0b,5.0b		
NEIC	XI	18 07 18 39.7–.94	20.81S–.09	169.90E–.09	113–6	4.9b,5.0b		
NOU	XI	18 07 18 40.2	20.87S	169.85E	115	4.8b,5.0b		
GCMT	XI	18 07 18 42.8–.40	20.99S–.04	169.87E–.03	143–5	4.7W,5.0b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111180718A. Moment Tensor Solution. s11,c14; s72,c89; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.03±.08 $M_{\theta\theta}$0.63±.12; $M_{\phi\phi}$0.40±.13; $M_{r\theta}$-0.03±.07; $M_{\theta\phi}$-0.49±.12; $M_{\phi r}$1.14±.07; Best double couple: NP1:ϕ_s292.00000°,δ29.00000° ,λ-134.00000°. NP2:ϕ_s160.00000°,δ70.00000°,λ-69.00000°. Principal axes: T 1.3190,Plg22.0000°,Azm234.0000°; N 0.3590,Plg20.0000°,Azm332.0000° ; P -1.6810,Plg60.0000°,Azm101.0000° $M_0$1.50000×10^{16}

NOU	**XI**	**16 05 39 36.0**	**18.49S**	**170.22E**	**0**	**3.9**		
								¶621822840

NOU Vanuatu Islands.

NOU	**XI**	**16 21 31 08.7**	**17.08S**	**168.76E**	**0**	**3.7**		
								¶621822831

NOU Vanuatu Islands.

NOU	**XI**	**19 16 36 38.4**	**20.67S**	**169.88E**	**0**	**3.5**		
								¶621823037

NOU Vanuatu Islands.

ISC	**XI**	**19 19 32 55.8–.18**	**20.56S–.03**	**169.86E–.03**	**136–1**	**5.5b**	**1547**	**1-166**
BJI	XI	19 19 32 53.5	20.26S	170.30E	129	5.3b,5.2b		**¶621423306**
MOS	XI	19 19 32 55.7–1.1	20.54S	169.79E	141	5.4b,5.2b		
NEIC	XI	19 19 32 55.9–1.8	20.49S–.06	169.82E–.07	129–1	5.7,5.6b		
NEIC	XI	19 19 32 56.3	20.54S	169.75E	133	5.7,5.6b		
IPGP	XI	19 19 32 56.0	20.52S	169.79E	133	5.7W,5.6b		
NEIC	XI	19 19 32 56.5	20.53S	169.79E	130	5.7W,5.6b		
IDC	XI	19 19 32 56.3–.36	20.54S	169.74E	136–2	5.4,5.0b		
NOU	XI	19 19 32 57.4	20.53S	169.82E	142	5.3,5.0b		
BGR	XI	19 19 32 57.9	19.92S	170.61E	134–3	5.3,5.0b		
GFZ	XI	19 19 32 57.0–.14	21S–2.0	170E–2.0	133–1	5.8b,5.5		
GCMT	XI	19 19 32 59.0–.10	20.64S–.01	169.76E–.01	143–0	5.7W,5.5		
GFZ	XI	19 19 32 59.0	20.53S	169.78E	136	5.6W,5.5		
NEIC	XI	19 19 33 02.9	20.53S	169.79E	140	5.6,5.5		

ISC Event type ke.
MOS Error ellipse: s-maj=7.5km s-min=6.9km az=132.5.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.6km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.43 $M_{\theta\theta}$2.65 $M_{\phi\phi}$0.78 $M_{r\theta}$1.11 $M_{\theta\phi}$-2.15 $M_{\phi r}$2.00 NP1:ϕ_s149.53000°,δ53.23000°,λ-52.49000°. NP2:ϕ_s277.48000°,δ50.55000° ,λ-129.17000°. Principal axes: T 4.0690,Plg1.0000°,Azm214.0000°; N 0.6446,Plg29.0000° ,Azm305.0000°; P -4.7136,Plg61.0000°,Azm121.0000° $M_0$4.43000×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s289.00000°,δ49.00000°,λ-132.00000°. NP2:ϕ_s163.00000° ,δ56.00000°,λ-53.00000°.
NEIC Event type se.
IDC Error ellipse: s-maj=8.2km s-min=6.9km az=165.0.
NOU Vanuatu Islands.
BGR Event type ke.
GFZ Error ellipse: s-maj=4.6km s-min=4.2km az=171.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111191932A. Moment Tensor Solution. s153,c292; s171,c361;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.11±.03 $M_{\theta\theta}$1.61±.04; $M_{\phi\phi}$0.49±.04; $M_{r\theta}$0.93±.03; $M_{\theta\phi}$-2.46±.03; $M_{\phi r}$2.17±.02; Best double couple: NP1: ϕ_s276.00000°,δ51.00000°,λ-145.00000°. NP2:ϕ_s163.00000°,δ64.00000°,λ-44.00000°. Principal axes: T 3.6590,Plg7.0000°,Azm222.0000°; N 0.4570,Plg40.0000°,Azm318.0000° ; P -4.1170,Plg49.0000°,Azm123.0000° $M_0$3.88800×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.08 $M_{\theta\theta}$0.27 $M_{\phi\phi}$0.80 $M_{r\theta}$0.05 $M_{\theta\phi}$-2.78 $M_{\phi r}$2.01 NP1: ϕ_s276.15907°,δ50.91793°,λ-164.94803°. NP2:ϕ_s176.53681°,δ78.37024°,λ-40.06428°. Principal axes: T 3.7925,Plg17.6523°,Azm231.9325°; N -0.5158,Plg48.5567°,Azm343.0576° ; P -3.2767,Plg36.0384°,Azm128.5454° $M_0$3.56268×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.56 $M_{\theta\theta}$1.54 $M_{\phi\phi}$1.02 $M_{r\theta}$0.93 $M_{\theta\phi}$-2.17 $M_{\phi r}$1.44 NP1:ϕ_s283.85000°,δ50.63000° ,λ-133.00000°. NP2:ϕ_s159.62000°,δ55.57000°,λ-50.27000°. Principal axes: T 3.4797,Plg3.0000°,Azm223.0000°; N 0.1434,Plg32.0000°,Azm314.0000° ; P -3.6231,Plg58.0000°,Azm128.0000° $M_0$3.55000×10^{17}

ISC	**XI**	**20 10 57 52.8–.23**	**15.60S–.03**	**167.68E–.03**	**134–1**	**5.4b**	**1374**	**0-169**
NEIC	XI	20 10 57 52.8–1.4	15.59S–.09	167.61E–.08	123–1	5.6,5.4b		**¶621427716**
IDC	XI	20 10 57 52.8–.57	15.66S	167.67E	132–4	5.4,5.0b		
NOU	XI	20 10 57 52.5	15.57S	167.69E	127	5.4b,5.0b		
GFZ	XI	20 10 57 52.2–.41	16S–2.0	168E–2.0	123–3	5.9b,5.5b		
NEIC	XI	20 10 57 53.5	15.61S	167.61E	128	5.9b,5.5b		
NEIC	XI	20 10 57 53.5	15.61S	167.60E	128	5.9b,5.5b		
GFZ	XI	20 10 57 53.8	15.60S	167.64E	130	5.6W,5.5b		
BJI	XI	20 10 57 53.8	14.95S	167.54E	129	5.8b,5.6b		
IPGP	XI	20 10 57 53.0	15.60S	167.59E	127	5.7W,5.6b		
GCMT	XI	20 10 57 53.8–.10	15.66S–.01	167.47E–.01	134–0	5.6W,5.6b		
PTWC	XI	20 10 57 54	15.70S	167.50E	104	5.6,5.6b		
MOS	XI	20 10 57 54.6–1.2	15.55S	167.49E	150	5.6b,5.6b		
NEIC	XI	20 10 57 59	15.51S	167.60E	130	5.6,5.6b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=12.5km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.25 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-2.56 $M_{r\theta}$0.76 $M_{\theta\phi}$0.37 $M_{\phi r}$-0.49 NP1:ϕ_s357.28000°,δ39.58000°,λ104.04000°. NP2:ϕ_s159.30000°,δ51.82000° ,λ78.66000°. Principal axes: T 3.4211,Plg79.0000°,Azm22.0000°; N -0.7204,Plg9.0000° ,Azm166.0000°; P -2.7007,Plg6.0000°,Azm257.0000° $M_0$3.12000×10^{17}
IDC Error ellipse: s-maj=9.6km s-min=7.3km az=80.0.
NOU Vanuatu Islands.
GFZ Error ellipse: s-maj=5.1km s-min=4.6km az=126.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.08 $M_{\theta\theta}$0.73 $M_{\phi\phi}$-2.81 $M_{r\theta}$0.64 $M_{\theta\phi}$0.26 $M_{\phi r}$-1.29 NP1: ϕ_s161.11630°,δ61.09429°,λ72.50129°. NP2:ϕ_s14.23039°,δ33.39402°,λ118.57097°. Principal axes: T 2.5741,Plg68.7742°,Azm35.1531°; N 0.5951,Plg15.2614°,Azm169.7812° ; P -3.1692,Plg14.3931°,Azm263.7963° $M_0$2.91750×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s356.00000°,δ39.00000°,λ100.00000°. NP2:ϕ_s163.00000° ,δ52.00000°,λ82.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111201057A. Moment Tensor Solution. s133,c237; s168,c345;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.29±.03 $M_{\theta\theta}$0.24±.04; $M_{\phi\phi}$-3.54±.03; $M_{r\theta}$0.54±.03; $M_{\theta\phi}$0.52±.04; $M_{\phi r}$-0.71±.03; Best double couple: NP1:ϕ_s1.00000° ,δ39.00000°,λ103.00000°. NP2:ϕ_s165.00000°,δ52.00000°,λ80.00000°. Principal axes: T 3.4380,Plg80.0000°,Azm30.0000°; N 0.2520,Plg8.0000°,Azm171.0000° ; P -3.6950,Plg6.0000°,Azm262.0000° $M_0$3.56700×10^{17}
MOS Error ellipse: s-maj=8.2km s-min=6.2km az=126.7.
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}2.71 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-2.89 $M_{r\theta}$0.52 $M_{\theta\phi}$0.33 $M_{\phi r}$-0.94 NP1:ϕ_s2.98000°,δ35.99000° ,λ104.29000°. NP2:ϕ_s165.51000°,δ55.28000°,λ79.84000°. Principal axes: T 2.9372,Plg77.0000°,Azm41.0000°; N 0.1592,Plg8.0000°,Azm171.0000° ; P -3.0964,Plg10.0000°,Azm263.0000° $M_0$3.02000×10^{17}

NOU	**XI**	**21 08 36 22.3**	**14.80S**	**167.08E**	**99**	**3.6**		
								¶621823184

NOU Vanuatu Islands.

NOU	**XI**	**20 21 17 20.5**	**17.03S**	**167.30E**	**12**	**3.7**		
								¶621823104

NOU Vanuatu Islands.

NOU	**XI**	**21 04 59 40.6**	**15.61S**	**167.80E**	**118**	**3.9**		
								¶621823185

NOU Vanuatu Islands.

IDC	**XI**	**21 06 19 16.7–4.2**	**13.30S**	**167.22E**	**188–34**	**3.9,3.6s**		
								¶621608898

IDC Error ellipse: s-maj=37.7km s-min=25.3km az=135.0.

ISC	**XI**	**28 19 26 50.6–1.9**	**14.5S–.10**	**167.3E–.30**	**170**	**3.8b**	**7**	**8-120**
IDC	XI	28 19 26 49.6–7.1	14.46S	167.32E	162–54	4.2,3.7b		**¶621625189**

ISC Event type se.
IDC Error ellipse: s-maj=56.0km s-min=31.3km az=25.0.

ISC	**XI**	**25 12 51 18.3–.79**	**18.83S–.06**	**169.20E–.10**	**250**	**3.6b**	**17**	**1-144**
NOU	XI	25 12 51 11.5	18.64S	169.93E	283	3.7		**¶621618700**
IDC	XI	25 12 51 18.1–2.0	19.13S	169.38E	255–32	4.1,3.5b		

ISC Event type se.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=71.1km s-min=16.1km az=154.0.

ISC	**XI**	**28 15 59 25.8–.55**	**13.70S–.06**	**167.06E–.08**	**100**	**4.1b**	**51**	**2-119**
NEIC	XI	28 15 59 26.9–1.3	13.69S–.06	167.14E–.08	106–7	4.1b		**¶621625181**
IDC	XI	28 15 59 27.1–2.9	13.81S	167.10E	115–26	3.9,3.5b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=2.5km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.2km s-min=19.0km az=108.0.

IDC	**XI**	**23 19 55 41.3–3.2**	**15.68S**	**165.42E**	**0**	**3.7b,3.7**		
								¶621611976

IDC Error ellipse: s-maj=61.5km s-min=22.0km az=55.0.

IDC	**XI**	**24 13 34 43.9–7.9**	**14.81S**	**165.52E**	**0**	**3.9b,3.9**		
								¶621613986

IDC Error ellipse: s-maj=139.2km s-min=22.1km az=56.0.

NOU	**XI**	**27 23 31 12.6**	**16.74S**	**167.24E**	**37**	**3.9**		
								¶621823587

NOU Vanuatu Islands.

ISC	**XI**	**21 11 53 13.7–.60**	**15.11S–.06**	**167.49E–.07**	**129**	**3.9b**	**37**	**1-121**
IDC	XI	21 11 53 13.6–1.8	15.15S	167.38E	125–15	4.1,3.7s		**¶621608915**
NOU	XI	21 11 53 14.3	15.10S	167.45E	101	4.7,3.7s		

ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=14.0km az=68.0.
NOU Vanuatu Islands.

IDC	**XI**	**27 16 19 50.8–6.9**	**13.94S**	**167.90E**	**0**	**3.6b,3.6**		
								¶621625132

IDC Error ellipse: s-maj=162.3km s-min=51.8km az=19.0.

ISC	**XII**	**01 14 16 41.4–1.0**	**14.81S–.07**	**167.8E–.10**	**10**	**4.0b**	**26**	**1-86**
IDC	XII	01 14 16 39.2–1.5	14.65S	167.87E	0	4.2L,4.1		**¶621629821**
NEIC	XII	01 14 16 42.2–.53	14.82S–.05	167.76E–.08	10–2	4.1b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU	**XI**	**30 19 29 55.7**	**16.27S**	**167.96E**	**150**	**3.8**		
								¶621823744

NOU Vanuatu Islands.

ISC	**XI**	**29 20 10 16.0–.45**	**18.37S–.04**	**168.62E–.08**	**100**	**4.4b**	**105**	**1-146**
IDC	XI	29 20 10 13.5–2.5	18.30S	168.76E	75–21	4.2,3.8b		**¶621499048**
NEIC	XI	29 20 10 14.9–1.5	18.36S–.06	168.75E–.05	80–6	4.6b,3.8b		
NOU	XI	29 20 10 16.3	18.41S	168.57E	85	4.9,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=15.9km az=111.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.5km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.

ISC	**XII**	**03 02 25 03.1–.79**	**14.84S–.08**	**167.6E–.10**	**129**	**4.3b**	**38**	**1-143**
NEIC	XII	03 02 25 03.7–1.4	14.8S–.10	167.71E–.09	134–4	4.2b		**¶621611342**
IDC	XII	03 02 25 05.3–4.9	14.80S	167.40E	140–44	4.2,3.7b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.8km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.7km s-min=27.0km az=161.0.

ISC	**XII**	**02 06 11 29.1–.94**	**14.71S–.10**	**167.4E–.10**	**133**	**4.0b**	**36**	**1-126**
NEIC	XII	02 06 11 27.9–.84	14.7S–.10	167.5E–.20	118–7	4.0b		**¶621629874**
IDC	XII	02 06 11 29.6–4.8	14.73S	167.30E	133–39	4.1,3.7b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=15.4km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.2km s-min=26.9km az=38.0.

ISC	**XII**	**01 16 26 42.6–1.8**	**18.68S–.08**	**169.0E–.20**	**250**	**3.8b**	**10**	**1-90**
IDC	XII	01 16 26 36.0–4.0	18.49S	169.47E	242–44	4.1,3.5b		**¶621629831**
NOU	XII	01 16 26 43.1	18.65S	169.37E	248	3.6,3.5b		

ISC Event type se.
IDC Error ellipse: s-maj=90.8km s-min=34.5km az=148.0.
NOU Vanuatu Islands.

ISC	**XII**	**04 12 07 30.0–.41**	**13.66S–.07**	**167.23E–.08**	**200**	**4.7b**	**84**	**2-153**
NEIC	XII	04 12 07 31.0–1.3	13.70S–.06	167.4E–.10	207–6	4.7b		**¶621630666**
IDC	XII	04 12 07 33.4–1.8	13.70S	167.17E	229–15	4.4,3.9b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=4.8km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=13.1km az=119.0.

IDC	**XII**	**04 01 21 55.5–6.9**	**16.02S**	**167.97E**	**188–52**	**4.0,3.4b**		
								¶621630627

IDC Error ellipse: s-maj=60.8km s-min=33.7km az=28.0.

IDC	**XII**	**10 23 26 56.3–2.1**	**17.80S**	**168.95E**	**318–20**	**4.0,3.3b**		
								¶621644151

IDC Error ellipse: s-maj=29.4km s-min=20.2km az=164.0.

ISC	**XII**	**05 14 22 34.0–.59**	**13.98S–.08**	**167.2E–.10**	**200**	**4.3b**	**50**	**1-97**
NEIC	XII	05 14 22 33.9–1.2	14.00S–.09	167.26E–.09	197–5	4.5b		**¶621631258**
IDC	XII	05 14 22 37.7–4.4	14.04S	167.09E	232–40	4.0,3.5b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.5km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.0km s-min=26.3km az=165.0.

ISC	**XII**	**10 00 56 50.6–.58**	**18.81S–.04**	**168.86E–.10**	**100**	**4.4b**	**92**	**4-147**
IDC	XII	10 00 56 50.4–3.9	18.75S	168.76E	103–31	4.4,4.0b		**¶621626216**
NEIC	XII	10 00 56 52.1–2.2	18.82S–.06	168.8E–.10	112–8	4.5b,4.0b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**06 20 32 03.7–2.0**	**18.5S–.30**	**169.4E–.40**	**240**	**3.4b**	**7**	**5-89**
IDC	XII	06 20 32 02.3–4.2	18.28S	169.33E	218–52	3.8,3.3b		**¶621632623**

ISC Event type se.
IDC Error ellipse: s-maj=99.0km s-min=32.6km az=146.0.

ISC	**XII**	**07 16 51 33.9–.32**	**18.18S–.03**	**168.23E–.05**	**41–2**	**4.9b,4.3s**	**338**	**0-166**
BJI	XII	07 16 51 30.5	18.49S	168.24E	35	5.3b,5.2s		**¶621618751**
GFZ	XII	07 16 51 33.7–.33	18S–4.0	168E–4.0	34–2	5.8b,5.7L		
NOU	XII	07 16 51 33.2	18.18S	168.37E	44	4.9b,5.7L		
IDC	XII	07 16 51 33.3–.55	18.23S	168.29E	42–4	5.0L,4.4		
NEIC	XII	07 16 51 34.8–1.5	18.16S–.06	168.17E–.07	38–5	5.0b,4.9		
GCMT	XII	07 16 51 36.5–.70	18.20S–.03	168.20E–.04	39–2	5.0W,4.9		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071651A. Moment Tensor Solution. s21,c29; s61,c79; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.72±.50 $M_{\theta\theta}$1.56±.30; $M_{\phi\phi}$-4.28±.30; $M_{r\theta}$-1.34±.29; $M_{\theta\phi}$-1.42±.17; $M_{\phi r}$-1.28±.32; Best double couple: NP1:ϕ_s343.00000°,δ42.00000°,λ43.00000°. NP2:ϕ_s218.00000°,δ63.00000°,λ123.00000°. Principal axes: T 3.6130,Plg58.0000°,Azm175.0000°; N 1.3140,Plg29.0000°,Azm21.0000°; P -4.9270,Plg12.0000°,Azm285.0000° $M_0$4.27000×10^{16}

ISC	**XII**	**07 16 55 53.6–.72**	**13.64S–.07**	**166.96E–.09**	**100**	**3.6b**	**24**	**2-86**	
NEIC	XII	07 16 55 54.8–1.1	13.68S–.09	167.0E–.10	115–11	4.5b			**¶621632680**
IDC	XII	07 16 55 55.9–3.6	13.74S	166.87E	127–31	3.9,3.3b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=11.7km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.0km s-min=25.4km az=76.0.

ISC	**XII**	**08 10 26 51.9–.68**	**14.95S–.08**	**167.0E–.10**	**57**	**4.0b**	**33**	**1-120**	
IDC	XII	08 10 26 45.3–.84	14.66S	166.68E	0	4.0b,3.9			**¶621634696**
NEIC	XII	08 10 26 50.3–1.4	14.88S–.08	167.0E–.10	34–6	4.5b,3.9			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**11 08 40 60.0–.74**	**18.9S–.10**	**169.32E–.09**	**246**	**4.1b**	**30**	**4-87**	
IDC	XII	11 08 41 01.7–1.7	19.14S	169.42E	272–16	4.2,3.6b			**¶621644177**
NEIC	XII	11 08 41 01.3–1.5	19.1S–.10	169.4E–.10	263–11	4.1b,3.6b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**11 20 10 41.4–3.0**	**20.78S**	**169.93E**	**264–45**	**3.9,3.0b**			**¶621644211**

IDC Error ellipse: s-maj=157.0km s-min=22.5km az=159.0.

ISC	**XII**	**12 13 02 20.9–.54**	**13.29S–.08**	**167.38E–.10**	**200**	**4.0b**	**39**	**2-119**	
NEIC	XII	12 13 02 23.2–1.7	13.44S–.09	167.4E–.10	220–7	4.5b			**¶621650510**
IDC	XII	12 13 02 26.4–4.3	13.38S	167.08E	247–39	3.9,3.3b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=11.7km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.7km s-min=23.9km az=43.0.

IDC	**XII**	**13 21 31 30.3–8.0**	**14.88S**	**165.90E**	**0**	**4.3L,4.2b**			**¶621650601**

IDC Error ellipse: s-maj=137.1km s-min=23.6km az=58.0.

IDC	**XII**	**12 12 01 27.2–6.7**	**18.22S**	**170.11E**	**0**	**4.3b,4.3**			**¶621650504**

IDC Error ellipse: s-maj=157.7km s-min=45.6km az=27.0.

ISC	**XII**	**14 01 51 58.0–.74**	**13.76S–.08**	**166.9E–.10**	**100**	**4.6b**	**28**	**2-119**	
NEIC	XII	14 01 51 59.6–1.1	13.81S–.08	167.0E–.20	113–6	4.6b			**¶621652851**
IDC	XII	14 01 52 06.7–24	13.91S	166.75E	181–215	4.0,3.5b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=11.3km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=95.9km s-min=68.0km az=113.0.

ISC	**XII**	**14 19 42 11.7–.93**	**14.72S–.08**	**167.8E–.10**	**30**	**4.2b,3.2s**	**31**	**1-98**	
IDC	XII	14 19 42 07.7–1.6	14.56S	167.91E	0	4.5L,4.1			**¶621652950**
NEIC	XII	14 19 42 08.7–1.5	14.66S–.04	167.93E–.07	10–1	4.4b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**15 10 40 15.1–4.8**	**15.73S**	**167.95E**	**149–42**	**3.6,3.2b**			**¶621654100**

IDC Error ellipse: s-maj=38.1km s-min=32.9km az=171.0.

ISC	**XII**	**15 13 49 32.1–.93**	**14.43S–.09**	**167.3E–.20**	**170**	**3.8b**	**14**	**8-151**	
IDC	XII	15 13 49 32.2–4.2	14.45S	167.29E	170–39	4.1,3.6b			**¶621654115**

ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=22.4km az=152.0.

ISC	**XII**	**18 11 33 39.9–.54**	**18.12S–.04**	**168.28E–.06**	**35**	**4.0b,3.2s**	**55**	**0-146**	
NOU	XII	18 11 33 38.7	18.19S	168.25E	9	4.3,3.2s			**¶621656997**
NEIC	XII	18 11 33 42.0–.93	18.10S–.04	168.20E–.10	53–8	4.1b,3.2s			
IDC	XII	18 11 33 42.3–3.8	18.25S	168.23E	56–33	4.3L,4.1			

ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.3km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.9km s-min=23.9km az=99.0.

ISC	**XII**	**17 19 27 44.1–1.1**	**18.92S–.06**	**167.45E–.08**	**10**	**3.7b**	**11**	**1-90**	
NOU	XII	17 19 27 44.0	18.89S	167.43E	6	3.9			**¶621656946**
IDC	XII	17 19 27 50.7–1.8	19.13S	166.59E	0	3.7b,3.7			

ISC Event type se.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=40.3km s-min=20.9km az=84.0.

ISC	**XII**	**19 12 40 01.4–.48**	**19.17S–.05**	**169.71E–.06**	**25–3**	**4.9b,3.9s**	**190**	**4-159**	
IDC	XII	19 12 39 57.1–.52	19.14S	169.85E	0	4.6b,4.6			**¶621633689**
BJI	XII	19 12 39 59.2	19.07S	170.43E	34	5.5b,4.9b			
GCMT	XII	19 12 40 02.5–.30	18.86S–.04	169.72E–.03	18–1	4.9W,4.9b			
NEIC	XII	19 12 40 03.4–1.5	19.19S–.07	169.69E–.08	36–7	4.9b,4.9b			

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112191240A. Moment Tensor Solution. s12,c14; s68,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.05±.18 $M_{\theta\theta}$0.33±.11; $M_{\phi\phi}$1.72±.13; $M_{r\theta}$1.58±.29; $M_{\theta\phi}$-0.58±.06; $M_{\phi r}$0.24±.27; Best double couple: NP1:ϕ_s182.00000°,δ45.00000°,λ-50.00000°. NP2:ϕ_s312.00000°,δ57.00000°,λ-123.00000°. Principal axes: T 1.9640,Plg7.0000°,Azm65.0000°; N 0.9200,Plg27.0000°,Azm331.0000°; P -2.8890,Plg62.0000°,Azm167.0000° $M_0$2.42600×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**18 12 24 14.5–2.3**	**15.6S–.20**	**165.4E–.30**	**35**	**4.4b**	**7**	**6-97**	
IDC	XII	18 12 24 09.8–2.6	15.53S	165.27E	0	4.4b,4.4			**¶621657001**

ISC Event type se.
IDC Error ellipse: s-maj=51.2km s-min=19.2km az=60.0.

ISC	**XII**	**20 05 58 43.9–.64**	**14.57S–.06**	**167.56E–.08**	**150**	**4.1b**	**57**	**1-151**	
NEIC	XII	20 05 58 44.0–.99	14.51S–.09	167.5E–.20	150–6	4.2b			**¶621685587**
IDC	XII	20 05 58 45.0–4.6	14.55S	167.38E	156–40	4.0,3.6b			
NOU	XII	20 05 58 49.0	14.67S	167.20E	120	4.4,3.6b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=12.6km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=28.8km az=116.0.
NOU Vanuatu Islands.

NOU	**XII**	**19 13 58 55.5**	**14.84S**	**167.32E**	**117**	**3.7**			**¶621828443**

NOU Vanuatu Islands.

ISC	**XII**	**21 01 34 30.7–.49**	**15.88S–.04**	**167.83E–.05**	**165–3**	**5.0b**	**349**	**0-168**	
BJI	XII	21 01 34 29.3	15.44S	168.15E	157	5.1b,4.7b			**¶621635023**
NOU	XII	21 01 34 30.1	15.87S	167.80E	161	5.2b,4.7b			
NEIC	XII	21 01 34 30.7–1.1	15.89S–.07	167.9E–.10	158–4	5.0b,4.7b			
IDC	XII	21 01 34 31.9–1.5	15.91S	167.84E	175–12	4.9,4.5b			
GFZ	XII	21 01 34 31.9–.44	16S–5.0	168E–5.0	162–4	5.5b,5.2b			

ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NOU	**XII**	**21 14 49 58.5**	**16.83S**	**168.10E**	**42**	**3.5**			**¶621828477**

NOU Vanuatu Islands.

IDC	**XII**	**25 10 34 50.4–79**	**19.23S**	**170.46E**	**0**	**4.2b,4.2**			**¶621700148**

IDC Error ellipse: s-maj=1333.0km s-min=124.3km az=75.0.

ISC	**XII**	**23 00 47 01.1–.39**	**14.90S–.05**	**167.39E–.06**	**100**	**4.8b**	**252**	**1-143**	
NOU	XII	23 00 47 01.7	14.87S	167.50E	111	5.0b			**¶621648317**
IDC	XII	23 00 47 01.1–2.3	15.00S	167.44E	106–18	4.6,4.3b			
NEIC	XII	23 00 47 03.1–1.3	14.98S–.10	167.38E–.10	116–5	4.7b,4.3b			
GFZ	XII	23 00 47 03.1–.57	15S–6.0	167E–5.0	108–5	4.8b,4.8			

ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**25 12 19 57.1–.43**	**18.94S–.04**	**169.20E–.05**	**230–3**	**4.9b**	**477**	**1-159**	
BGR	XII	25 12 19 30.2	19.80S	170.88E	33	4.9b			**¶621700152**
NOU	XII	25 12 19 54.6	18.91S	169.50E	227	4.9b			
BJI	XII	25 12 19 54.2	18.61S	169.73E	219	5.2b,4.9b			
IDC	XII	25 12 19 57.7–.95	18.97S	169.09E	230–8	4.9,4.3b			
GFZ	XII	25 12 19 57.8–.45	19S–5.0	169E–4.0	226–4	5.1b,4.9b			
NEIC	XII	25 12 19 57.3–1.3	18.94S–.07	169.25E–.08	226–6	5.0,5.0b			
GCMT	XII	25 12 19 59.5–.40	18.98S–.03	169.13E–.03	229–3	5.1W,5.0b			

ISC Event type ke.
BGR Event type ke.
NOU Vanuatu Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112251219A. Moment Tensor Solution. s37,c46; s47,c70; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.68±.23 $M_{\theta\theta}$1.26±.25; $M_{\phi\phi}$-3.94±.21; $M_{r\theta}$2.06±.23; $M_{\theta\phi}$-0.65±.23; $M_{\phi r}$-3.65±.23; Best double couple: NP1:ϕ_s37.00000°,δ30.00000°,λ145.00000°. NP2:ϕ_s158.00000°,δ73.00000°,λ65.00000°. Principal axes: T 5.4080,Plg55.0000°,Azm37.0000°; N 0.1590,Plg24.0000°,Azm166.0000°; P -5.5670,Plg24.0000°,Azm268.0000° $M_0$5.48700×10^{16}

IDC	**XII**	**26 06 17 38.2–1.6**	**13.38S**	**167.29E**	**0**	**3.6,3.5b**			**¶621700199**

IDC Error ellipse: s-maj=42.4km s-min=20.4km az=96.0.

IDC	**XII**	**25 16 01 45.0–1.5**	**15.61S**	**166.90E**	**0**	**3.7b,3.7**			**¶621700159**

IDC Error ellipse: s-maj=39.1km s-min=21.1km az=89.0.

IDC	**XII**	**25 16 17 27.5–2.0**	**14.51S**	**168.05E**	**0**	**3.8L,3.8**			**¶621700161**

IDC Error ellipse: s-maj=45.6km s-min=22.5km az=96.0.

ISC	**XII**	**28 19 53 16.9–.36**	**13.18S–.06**	**167.87E–.06**	**10**	**5.0b,3.8s**	**201**	**2-153**	
IDC	XII	28 19 53 15.7–.48	13.21S	167.90E	0	4.5b,4.5			**¶621656468**
NEIC	XII	28 19 53 17.3–1.4	13.24S–.07	167.86E–.08	10–1	5.1b,4.5			
GCMT	XII	28 19 53 18.9–.20	13.14S–.02	167.84E–.03	12	4.8W,4.5			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112281953A. Moment Tensor Solution. s17,c20; s85,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.77±.06 $M_{\theta\theta}$-0.95±.05; $M_{\phi\phi}$-0.81±.06; $M_{r\theta}$-0.28±.23; $M_{\theta\phi}$1.01±.04; $M_{\phi r}$-0.32±.24; Best double couple: NP1:ϕ_s300.00000°,δ46.00000°,λ71.00000°. NP2:ϕ_s146.00000°,δ47.00000°,λ109.00000°. Principal axes: T 1.8740,Plg76.0000°,Azm132.0000°; N 0.0230,Plg14.0000°,Azm313.0000°; P -1.8980,Plg0.0000°,Azm223.0000° $M_0$1.88600×10^{16}

ISC	**XII**	**29 21 49 24.8–.42**	**13.04S–.06**	**166.97E–.09**	**180**	**4.3b**	**111**	**2-153**	
NEIC	XII	29 21 49 26.4–1.1	13.12S–.10	167.1E–.10	194–7	4.4b			**¶621657261**
IDC	XII	29 21 49 32.6–3.4	13.11S	166.82E	253–32	4.3,3.7b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=13.8km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=15.0km az=108.0.

ISC	**XII**	**29 14 59 40.1–1.2**	**18.4S–.10**	**167.5E–.10**	**25**	**4.2b**	**8**	**4-72**	
IDC	XII	29 14 59 35.1–1.4	18.19S	167.59E	0	4.2b,4.2			**¶621724223**

ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=20.4km az=166.0.

(187) New Caledonia.

NOU	**VII**	**07 19 04 44.5**	**22.45S**	**167.78E**	**5**	**3.9**			**¶620967583**

NOU New Caledonia.

IDC	**X**	**06 05 39 10.4–97**	**22.75S**	**168.61E**	**0**	**4.0b,4.0**			**¶621217126**

IDC Error ellipse: s-maj=1613.0km s-min=124.4km az=82.0.

(188) Loyalty Islands.

ISC	**VII**	**02 23 09 49.1–.51**	**20.01S–.04**	**168.45E–.07**	**10**	**4.2b,3.5s**	**53**	**1-148**	
IDC	VII	02 23 09 46.4–1.0	20.06S	168.76E	0	4.1b,4.1			**¶620927778**
NOU	VII	02 23 09 48.9	19.95S	168.39E	10	3.9,4.1			
NEIC	VII	02 23 09 50.8–.97	20.13S–.05	168.42E–.09	10–1	4.3b,4.1			

ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VII**	**03 23 14 12.8–2.0**	**20.17S**	**168.56E**	**0**	**3.9b,3.9**			**¶620927839**

IDC Error ellipse: s-maj=43.1km s-min=38.0km az=144.0.

ISC	**VII**	**03 23 15 40.8–.61**	**20.19S–.06**	**168.7E–.10**	**25**	**4.3b,3.5s**	**38**	**3-147**	
IDC	VII	03 23 15 37.0–1.0	20.10S	168.73E	0	4.1b,4.1			**¶620733566**
NEIC	VII	03 23 15 38.9–1.4	20.18S–.06	168.7E–.10	10–1	4.4b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**10 12 03 17.2–.67**	**21.46S–.08**	**168.72E–.10**	**10**	**4.0b**	**51**	**2-149**	
IDC	VII	10 12 03 16.4–1.3	21.42S	168.81E	0	3.9b,3.9			**¶620928354**
NEIC	VII	10 12 03 17.3–.45	21.47S–.09	168.76E–.06	10–2	4.2b,3.9			
BGR	VII	10 12 03 24.6	20.10S	170.30E	33	4.2b,3.9			

ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=21.9km az=164.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=4.6km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

ISC	**VII**	**10 19 58 10.5–.50**	**20.21S–.07**	**168.92E–.08**	**35**	**4.2b,3.4s**	**79**	**3-148**	
IDC	VII	10 19 58 04.8–.71	20.08S	169.05E	0	4.0b,4.0			**¶620913570**
BGR	VII	10 19 58 06.9	21.47S	168.97E	24–2	4.0b,4.0			
NEIC	VII	10 19 58 07.7–1.6	20.24S–.06	168.90E–.08	10–1	4.4b,4.0			

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**15 14 28 44.8–.53**	**20.54S–.08**	**168.94E–.08**	**31**	**4.4b,3.3s**	**56**	**2-149**	
IDC	VIII	15 14 28 39.7–.92	20.46S	169.11E	0	4.0b,4.0			**¶621023619**
NEIC	VIII	15 14 28 42.1–.74	20.49S–.07	168.96E–.09	10–1	4.6b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**28 06 14 05.1–.54**	**20.24S–.08**	**168.21E–.07**	**35–4**	**4.5b,3.6s**	**46**	**2-145**	
IDC	VII	28 06 13 60.0–.70	20.21S	168.29E	0	4.3b,4.3			**¶620979596**
NEIC	VII	28 06 14 02.2–1.6	20.22S–.04	168.17E–.07	10–1	4.6b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 26 17 28 57.2–.58 20.96S–.07 168.46E–.09 30 4.4b 65 2-149
IDC IX 26 17 28 52.7–.94 20.85S 168.60E 0 4.2b,4.2 **¶621110439**
NEIC IX 26 17 28 54.3–2.0 20.88S–.08 168.6E–.10 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU X 07 11 16 05.7 21.50S 167.79E 0 2.4
¶621256331

NOU Loyalty Islands.
ISC XII 21 05 25 11.7–.81 20.9S–.20 169.0E–.10 25 4.0b,3.4s 11 3-146
IDC XII 21 05 25 08.1–.85 20.85S 169.12E 0 4.0b,4.0 **¶621685665**
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=13.9km az=156.0.
ISC XI 01 00 00 48.3–.29 21.48S–.04 168.95E–.05 29 5.1b,4.5s 514 2-161
IDC XI 01 00 00 43.9–.52 21.54S 169.01E 0 4.9b,4.9 **¶621883452**
BJI XI 01 00 00 44.2 21.20S 169.22E 9 5.2b,5.1s
NEIC XI 01 00 00 45.7–1.4 21.48S–.07 168.91E–.08 10–1 5.1b,5.1s
GFZ XI 01 00 00 47.8–.27 21S–4.0 169E–4.0 10 5.6b,5.5L
NOU XI 01 00 00 49.7 21.47S 168.91E 39 5.3b,5.5L
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=11.0km az=162.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.2km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Loyalty Islands.
ISC IX 26 23 04 16.0–.70 21.0S–.20 168.4E–.10 30 3.9b 27 2-149
IDC IX 26 23 04 10.8–1.0 20.47S 168.26E 0 4.7L,3.9b **¶621131544**
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=16.7km az=133.0.

(189) Southeast of Loyalty Islands.

ISC VII 01 15 24 39.6–.47 22.08S–.08 170.07E–.07 10 4.3b 78 2-150
IDC VII 01 15 24 37.0–.91 22.50S 170.35E 0 3.9b,3.9 **¶620927676**
NEIC VII 01 15 24 39.5–1.9 21.99S–.08 170.08E–.07 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 01 15 41 26.2–.32 22.14S–.05 170.21E–.05 10 4.8b,4.4s 327 3-150
IDC VII 01 15 41 23.9–.60 21.87S 170.34E 0 4.4s,4.2b **¶620676528**
BGR VII 01 15 41 24.7 22.41S 170.92E 10 4.7s,4.2b
BJI VII 01 15 41 25.7 21.40S 170.83E 14 5.1b,4.8s
NEIC VII 01 15 41 26.4–2.3 22.14S–.06 170.13E–.06 10–1 4.9b,4.8s
GFZ VII 01 15 41 27.8–.23 22S–3.0 170E–3.0 10 4.9b,4.9
GCMT VII 01 15 41 28.1–.20 21.98S–.01 170.28E–.01 12 5.1W,4.9
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107011541A. Moment Tensor Solution. s56,c86; s128,c217; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.64±.10 $M_{\theta\theta}$1.87±.08; $M_{\phi\phi}$1.77±.08; $M_{r\theta}$-0.20±.27; $M_{\theta\phi}$4.15±.07; $M_{\phi r}$-1.52±.26; Best double couple: NP1:ϕ_s251.00000°,δ44.00000°,λ-51.00000°. NP2:ϕ_s23.00000°,δ57.00000°,λ-121.00000°. Principal axes: T 6.1230,Plg7.0000°,Azm135.0000°; N -1.8780,Plg26.0000°,Azm41.0000° ; P -4.2440,Plg63.0000°,Azm239.0000° $M_0$5.18300×10^{16}
ISC VII 03 17 02 16.0–1.0 22.22S–.10 170.16E–.09 25 3.9b 30 3-148
IDC VII 03 17 02 11.7–1.3 22.18S 170.31E 0 4.1L,3.9 **¶620927823**
NEIC VII 03 17 02 16.2–.95 22.22S–.10 170.15E–.07 20–8 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 05 09 08 33.8–2.0 23.08S 171.73E 0 3.7,3.5b
¶620927947

IDC Error ellipse: s-maj=85.6km s-min=24.5km az=1.0.
ISC VII 05 10 06 26.3–.79 21.56S–.08 170.13E–.09 150 4.1b 42 2-147
IDC VII 05 10 06 24.4–3.5 21.36S 170.15E 132–26 3.9,3.5b **¶620927957**
NEIC VII 05 10 06 24.4–.89 21.6S–.10 170.29E–.09 121–9 4.5b,3.5b
NOU VII 05 10 06 26.7 21.55S 169.89E 0 3.9,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=25.9km az=148.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=11.8km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
ISC VII 06 12 32 08.0–.87 23.0S–.10 171.41E–.09 49 4.0b 24 4-93
IDC VII 06 12 32 01.0–1.1 22.94S 171.62E 0 3.8b,3.8 **¶620928033**
NEIC VII 06 12 32 03.1–1.1 22.98S–.05 171.5E–.10 10–2 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 07 14 18 44.3–.60 22.9S–.10 171.10E–.07 35 4.2b,3.3s 57 3-151
NEIC VII 07 14 18 41.7–1.3 22.9S–.10 171.11E–.09 10–1 4.4b,3.3s **¶620928119**
IDC VII 07 14 18 46.9–2.9 22.69S 171.04E 57–24 4.0L,3.9
NOU VII 07 14 18 49.2 22.54S 170.47E 0 3.8,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=14.0km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.9km s-min=17.5km az=171.0.
NOU Southeast of Loyalty Islands.
IDC VII 07 14 21 01.9–4.9 22.66S 170.91E 62–38 3.6L,3.6
¶620928120

IDC Error ellipse: s-maj=101.7km s-min=19.9km az=169.0.
ISC VII 07 15 29 11.7–1.8 22.8S–.30 171.0E–.10 35 12 3-148
IDC VII 07 15 29 11.1–1.3 19.61S 170.01E 0 3.6,3.4s **¶620928124**
NOU VII 07 15 29 24.8 22.18S 169.68E 0 3.5,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=56.5km s-min=16.6km az=153.0.
NOU Southeast of Loyalty Islands.
ISC VII 10 12 59 05.8–.59 22.42S–.10 171.43E–.07 98 4.4b 44 4-148
NEIC VII 10 12 59 06.0–1.5 22.45S–.08 171.47E–.08 91–9 4.6b **¶620928359**
IDC VII 10 12 59 06.0–2.6 22.38S 171.47E 103–23 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=5.2km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.7km s-min=19.1km az=125.0.
ISC VII 10 14 39 58.4–.36 22.26S–.05 171.00E–.05 98–3 4.7b 239 3-164
GFZ VII 10 14 39 57.4–.37 22S–4.0 171E–4.0 85–4 4.9b,4.9 **¶620787392**
BGR VII 10 14 39 57.5 21.85S 172.40E 96–7 4.9b,4.9
NEIC VII 10 14 39 58.5–1.9 22.24S–.06 170.99E–.07 94–6 4.8b,4.9
IDC VII 10 14 39 58.2–.54 22.20S 170.96E 96–3 4.4,4.0b
GCMT VII 10 14 39 58.5–.30 22.37S–.02 171.01E–.02 86–3 5.0W,4.0b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107101439A. Moment Tensor Solution. s36,c45; s75,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.99±.16 $M_{\theta\theta}$-1.74±.15; $M_{\phi\phi}$2.74±.14; $M_{r\theta}$-1.01±.13; $M_{\theta\phi}$3.03±.14; $M_{\phi r}$0.53±.13; Best double couple: NP1:ϕ_s69.00000°,δ74.00000°,λ-16.00000°. NP2:ϕ_s164.00000°,δ74.00000°,λ-164.00000°. Principal axes: T 4.2680,Plg0.0000°,Azm297.0000°; N -0.5230,Plg67.0000°,Azm206.0000° ; P -3.7400,Plg23.0000°,Azm27.0000° $M_0$4.00400×10^{16}
NOU VII 11 03 54 45.1 21.74S 169.92E 0 3.9
¶620967638

NOU Southeast of Loyalty Islands.
ISC VII 11 21 38 00.0–1.1 21.5S–.20 172.11E–.10 10 4.4b 26 4-88
IDC VII 11 21 37 59.3–3.5 21.45S 172.14E 0 3.8L,3.8b **¶620928446**
NEIC VII 11 21 38 00.1–1.1 21.5S–.10 172.3E–.10 10–2 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 13 11 26 51.0–.77 23.19S–.04 172.41E–.04 16–4 5.4b,5.2s 582 5-167
MOS VII 13 11 26 48.8–1.0 23.25S 172.27E 10 5.5b,5.1s **¶620805842**
IDC VII 13 11 26 48.6–.49 23.15S 172.34E 0 4.8s,4.5b
BJI VII 13 11 26 49.0 23.30S 172.30E 10 5.3b,5.2s
NEIC VII 13 11 26 50.9 23.31S 172.26E 10 5.3b,5.2s
GFZ VII 13 11 26 50.8 23.10S 172.37E 10 5.5W,5.2s
NEIC VII 13 11 26 50.2–.88 23.32S–.07 172.30E–.08 10–1 5.6b,5.5
GFZ VII 13 11 26 50.8–.18 23S–4.0 172E–4.0 10 5.2,5.0b
NOU VII 13 11 26 54.4 23.01S 172.40E 33 5.0b,5.0b
GCMT VII 13 11 26 56.1–.10 23.05S 172.31E 12 5.5W,5.0b
ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=8.5km az=62.6.
IDC Error ellipse: s-maj=16.2km s-min=13.3km az=164.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.19 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$0.09 $M_{r\theta}$1.54 $M_{\theta\phi}$-0.02 $M_{\phi r}$-0.20 NP1: ϕ_s95.68756°,δ70.92675°,λ94.63229°. NP2:ϕ_s261.76173°,δ19.60735°,λ76.85281°. Principal axes: T 1.9454,Plg63.7886°,Azm13.1163°; N 0.0690,Plg4.3775°,Azm274.1709° ; P -2.0144,Plg25.7878°,Azm182.0513° $M_0$1.98083×10^{17}
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=11.5km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.14 $M_{\theta\theta}$-2.70 $M_{\phi\phi}$0.56 $M_{r\theta}$-0.38 $M_{\theta\phi}$0.13 $M_{\phi r}$-0.29 NP1:ϕ_s102.90000°,δ41.66000°,λ105.52000°. NP2:ϕ_s262.51000°,δ50.18000°,λ76.61000°. Principal axes: T 2.2240,Plg79.0000°,Azm115.0000°; N 0.5079,Plg10.0000°,Azm271.0000°; P -2.7319,Plg4.0000°,Azm2.0000° $M_0$2.52000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Southeast of Loyalty Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107131126A. Moment Tensor Solution. s127,c256; s147,c301;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35±.01 $M_{\theta\theta}$-1.56±.01; $M_{\phi\phi}$0.22±.01; $M_{r\theta}$1.23±.04; $M_{\theta\phi}$-0.03±.01; $M_{\phi r}$0.26±.04; Best double couple: NP1: ϕ_s278.00000°,δ25.00000°,λ106.00000°. NP2:ϕ_s81.00000°,δ66.00000°,λ83.00000°. Principal axes: T 1.8330,Plg69.0000°,Azm337.0000°; N 0.1930,Plg7.0000°,Azm84.0000° ; P -2.0160,Plg20.0000°,Azm177.0000° $M_0$1.92500×10^{17}
ISC VII 13 11 32 31.2–.48 23.01S–.08 172.20E–.06 47 4.6b 60 4-148
NEIC VII 13 11 32 26.6–.93 23.03S–.09 172.40E–.08 10–1 4.7b **¶620913584**
IDC VII 13 11 32 32.6–3.0 23.00S 172.28E 65–27 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=11.8km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.0km s-min=20.4km az=150.0.
ISC VII 13 19 37 09.3–3.8 21.29S–.07 169.35E–.08 16–25 4.3b,3.5s 41 2-146
IDC VII 13 19 37 07.1–1.3 21.28S 169.41E 0 4.0b,4.0 **¶620928556**
NEIC VII 13 19 37 08.7–1.8 21.30S–.08 169.4E–.10 10–1 4.5b,4.0
NOU VII 13 19 37 12.1 21.33S 169.32E 37 3.8,4.0
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=21.6km az=160.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=11.9km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
ISC VII 14 00 02 26.6–.58 23.08S–.10 172.17E–.07 47 4.1b,3.6s 34 4-148
IDC VII 14 00 02 19.8–.87 23.20S 172.33E 0 4.1b,4.1 **¶620913587**
NEIC VII 14 00 02 23.8–1.4 23.19S–.08 172.13E–.05 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU VII 14 15 35 20.7 21.65S 170.29E 16 3.8
¶620967664

NOU Southeast of Loyalty Islands.
ISC VII 17 11 39 06.1–.38 22.10S–.06 169.94E–.06 25 4.6b,3.7s 127 2-162
IDC VII 17 11 39 01.4–.62 22.10S 170.17E 0 4.4b,4.4 **¶620833095**
BJI VII 17 11 39 03.0 22.10S 169.90E 11 5.0b,4.9b
GFZ VII 17 11 39 04.3–.28 22S–4.0 170E–4.0 10 5.0b,5.0
NEIC VII 17 11 39 05.1–1.7 22.12S–.04 169.87E–.07 10–1 4.6b,5.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 01 04 45.8–.28 23.08S–.04 172.42E–.04 10 5.4b,4.7s 459 5-152
IDC VII 18 01 04 43.3–.50 23.12S 172.43E 0 4.8b,4.8 **¶620833219**
MOS VII 18 01 04 45.0–1.5 22.99S 172.29E 10 5.3b,4.6s
NEIC VII 18 01 04 46.6–1.8 23.14S–.09 172.4E–.10 10–1 5.5b,5.2
GFZ VII 18 01 04 47.9–.27 23S–3.0 172E–5.0 10 5.2,5.2b
GCMT VII 18 01 04 50.7–.10 23.03S–.01 172.25E–.01 14–0 5.3W,5.2b
NOU VII 18 01 04 52.0 22.96S 172.34E 55 5.1b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=12.5km az=164.0.
MOS Error ellipse: s-maj=9.1km s-min=8.3km az=157.6.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=15.4km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107180104A. Moment Tensor Solution. s103,c164; s136,c257;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.02 $M_{\theta\theta}$-0.86±.01; $M_{\phi\phi}$0.04±.01; $M_{r\theta}$0.50±.03; $M_{\theta\phi}$0.07±.01; $M_{\phi r}$0.16±.03; Best double couple: NP1:ϕ_s286.00000°,δ31.00000°,λ111.00000°. NP2:ϕ_s83.00000°,δ61.00000°,λ78.00000°. Principal axes: T 0.9790,Plg71.0000°,Azm326.0000°; N 0.0190,Plg10.0000°,Azm89.0000° ; P -0.9980,Plg15.0000°,Azm181.0000° $M_0$0.98800×10^{17}
NOU Southeast of Loyalty Islands.
ISC VII 25 22 57 44.2–.51 22.9S–.10 171.65E–.07 49 4.4b,3.6s 67 4-149
NEIC VII 25 22 57 40.3–1.9 22.95S–.10 171.67E–.08 10–1 4.6b,3.6s **¶620973801**
IDC VII 25 22 57 44.5–2.7 22.58S 171.67E 64–23 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=12.2km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.9km s-min=16.5km az=163.0.
ISC VII 24 18 22 35.8–.51 21.32S–.05 169.97E–.06 71 4.5b 75 2-147
NEIC VII 24 18 22 36.0–2.3 21.27S–.07 170.00E–.07 71–6 4.6b **¶620967953**
IDC VII 24 18 22 35.0–5.6 21.28S 170.00E 63–44 4.7L,4.1
NOU VII 24 18 22 38.7 21.27S 169.81E 34 4.7,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.1km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.2km s-min=35.6km az=149.0.
NOU Southeast of Loyalty Islands.
ISC VII 22 12 12 57.3–.60 21.17S–.08 169.97E–.08 90 4.1b 38 3-147
IDC VII 22 12 12 57.5–4.1 21.20S 169.92E 91–33 4.0,3.7b **¶620913634**
NEIC VII 22 12 12 58.2–1.8 21.20S–.09 170.0E–.10 88–8 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 16 36 45.5–.45 22.11S–.04 170.93E–.05 113–3 5.0b 452 3-166
BGR VII 24 16 36 33.3 22.23S 172.28E 33 5.0b **¶620845788**

IDC VII 24 16 36 42.9–1.7 22.04S 171.04E 95–12 4.5,4.0b
BJI VII 24 16 36 44.0 21.90S 170.90E 111 4.8b,4.0b
NEIC VII 24 16 36 45.4–2.1 22.02S–.10 170.97E–.08 107–7 5.0b,4.9
NOU VII 24 16 36 46.7 22.12S 170.83E 121 5.1b,4.9
GCMT VII 24 16 36 46.7–.30 22.07S–.02 171.04E–.02 92–4 5.0W,4.9
GFZ VII 24 16 36 47.9–.56 22S–4.0 171E–4.0 126–7 5.0,4.9b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107241636A. Moment Tensor Solution. s16,c19; s95,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.20±.15 $M_{\theta\theta}$1.47±.14; $M_{\phi\phi}$-2.68±.13; $M_{r\theta}$1.08±.09; $M_{\theta\phi}$1.98±.12; $M_{\phi r}$1.51±.08; Best double couple: NP1:ϕ_s118.00000°,δ55.00000°,λ19.00000°. NP2:ϕ_s17.00000°,δ74.00000°,λ143.00000°. Principal axes: T 3.4340,Plg37.0000°,Azm332.0000°; N 0.2520,Plg51.0000°,Azm177.0000°; P -3.6960,Plg13.0000°,Azm72.0000° M_o3.56500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 27 07 30 07.7–.75 22.9S–.10 171.15E–.07 31 3.8b 23 3-149
IDC VII 27 07 30 01.9–1.1 22.66S 171.15E 0 3.8b,3.8 **¶620978949**
NEIC VII 27 07 30 05.5–1.1 22.96S–.07 171.14E–.08 10–1 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 17 10 54.1–.46 23.34S–.07 170.02E–.06 35 4.5b 99 2-151
IDC VII 30 17 10 48.9–.70 23.37S 170.16E 0 4.3b,4.3 **¶620913677**
NEIC VII 30 17 10 51.0–1.6 23.30S–.08 170.06E–.07 10–1 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 08 00 43 13.5–.59 21.26S–.09 171.37E–.06 10 4.4b,3.8s 38 3-147
IDC VIII 08 00 43 11.7–1.1 21.52S 171.61E 0 4.1b,4.1 **¶621002101**
NEIC VIII 08 00 43 14.2–1.6 21.3S–.10 171.44E–.09 10–2 4.6b,4.1
GCMT VIII 08 00 43 17.9–.30 21.20S–.02 171.54E–.02 20–1 4.9W,4.1
NOU VIII 08 00 43 48.1 21.56S 168.64E 0 3.5,4.1
ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=16.9km az=158.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=13.1km az=342.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108080043A. Moment Tensor Solution. s28,c31; s95,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.78±.14 $M_{\theta\theta}$3.16±.12; $M_{\phi\phi}$-2.38±.09; $M_{r\theta}$-0.33±.20; $M_{\theta\phi}$0.25±.09; $M_{\phi r}$0.04±.17; Best double couple: NP1:ϕ_s222.00000°,δ85.00000°,λ178.00000°. NP2:ϕ_s312.00000°,δ88.00000°,λ5.00000°. Principal axes: T 3.1980,Plg5.0000°,Azm178.0000°; N -0.8030,Plg85.0000°,Azm333.0000°; P -2.3930,Plg2.0000°,Azm87.0000° M_o2.79600×10^{16}
NOU Loyalty Islands.
NOU VIII 02 04 39 35.7 21.02S 169.77E 0 3.6
¶621072447
NOU Southeast of Loyalty Islands.
ISC VIII 08 16 50 11.9–.44 22.91S–.08 171.44E–.07 49 4.6b,3.6s 112 4-152
IDC VIII 08 16 50 04.8–.72 22.91S 171.59E 0 4.1b,4.1 **¶621002136**
NEIC VIII 08 16 50 07.3–1.4 22.95S–.04 171.51E–.08 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 10 00 04 42.7–1.1 23.3S–.10 171.5E–.10 10 3.9b,3.2s 21 4-149
IDC VIII 10 00 04 39.6–1.6 23.28S 171.70E 0 3.9b,3.9 **¶621008084**
NEIC VIII 10 00 04 40.3–1.2 23.18S–.09 171.7E–.10 10–2 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 10 20 18 28.6–1.0 22.6S–.20 170.76E–.08 35 3.9b 37 3-151
NEIC VIII 10 20 18 27.0–.85 22.6S–.10 170.61E–.08 10–2 4.4b **¶621141616**
IDC VIII 10 20 18 27.4–4.3 22.82S 170.95E 37–28 3.8,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=11.7km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=81.6km s-min=16.7km az=166.0.
ISC VIII 10 21 21 53.7–.47 23.37S–.04 171.64E–.04 12–2 5.2b,4.7s 791 4-167
IDC VIII 10 21 21 51.8–.40 23.31S 171.61E 0 4.8b,4.8 **¶621237428**
BJI VIII 10 21 21 52.2 23.30S 171.60E 10 5.5b,5.1s
MOS VIII 10 21 21 53.0–1.6 23.19S 171.44E 10 5.4b,4.9s
NEIC VIII 10 21 21 53.9–2.1 23.35S–.06 171.54E–.05 10–1 5.3b,4.9s
NEIC VIII 10 21 21 54.4 23.36S 171.51E 10 5.3b,4.9s
NEIC VIII 10 21 21 54.7 23.06S 172.05E 20 5.2,4.9s
GFZ VIII 10 21 21 54.7–.30 23S–4.0 172E–4.0 10 5.1b,4.8
NOU VIII 10 21 21 54.6 23.35S 171.34E 0 4.9b,4.8
GCMT VIII 10 21 21 57.7–.10 23.26S–.01 171.51E–.01 12 5.3W,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-8.33 $M_{\theta\theta}$4.11 $M_{\phi\phi}$4.22 $M_{r\theta}$2.86 $M_{\theta\phi}$3.82 $M_{\phi r}$-1.15 NP1:ϕ_s29.23000°,δ43.02000°,λ-114.32000°. NP2:ϕ_s240.95000°,δ51.56000°,λ-68.98000°. Principal axes: T 8.0781,Plg4.0000°,Azm316.0000°; N 1.1749,Plg16.0000°,Azm48.0000°; P -9.2530,Plg73.0000°,Azm211.0000° M_o8.73000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Southeast of Loyalty Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108102121A. Moment Tensor Solution. s113,c194; s149,c285;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.94±.01 $M_{\theta\theta}$0.94±.01; $M_{\phi\phi}$0.00±.01; $M_{r\theta}$0.11±.03; $M_{\theta\phi}$0.25±.01; $M_{\phi r}$0.15±.03; Best double couple: NP1:ϕ_s84.00000°,δ41.00000°,λ-79.00000°. NP2:ϕ_s249.00000°,δ50.00000°,λ-100.00000°. Principal axes: T 1.0160,Plg4.0000°,Azm346.0000°; N -0.0520,Plg7.0000°,Azm255.0000°; P -0.9640,Plg81.0000°,Azm106.0000° M_o0.99000×10^{17}
ISC VIII 11 04 09 45.0–.49 22.84S–.08 172.14E–.06 47 4.5b 66 4-164
IDC VIII 11 04 09 38.1–.74 22.72S 172.34E 0 4.8L,4.3b **¶620983349**
NEIC VIII 11 04 09 44.9–1.3 22.80S–.08 172.12E–.08 43–6 4.6b,4.3b
NOU VIII 11 04 10 42.1 21.91S 167.65E 0 3.2,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=16.7km az=10.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.6km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Loyalty Islands.
NOU VIII 14 16 18 11.5 22.71S 171.17E 116 3.8
¶621071622
NOU Southeast of Loyalty Islands.
ISC VIII 30 16 34 32.3–.86 23.6S–.10 171.80E–.10 35 4.2b 29 4-94
IDC VIII 30 16 34 27.6–1.4 23.87S 171.77E 0 4.1b,4.0 **¶621076532**
NEIC VIII 30 16 34 28.2–1.0 23.55S–.05 172.0E–.10 10–2 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU VIII 23 06 57 55.7 21.81S 169.68E 0 3.7
¶621071700
NOU Southeast of Loyalty Islands.
ISC VIII 29 03 37 15.4–.51 23.31S–.09 171.49E–.08 35 4.5b,3.4s 90 4-152
IDC VIII 29 03 37 10.0–.64 23.28S 171.61E 0 4.2b,4.2 **¶621073151**
NEIC VIII 29 03 37 12.4–2.6 23.3S–.10 171.55E–.03 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 19 52 36.4–.91 21.9S–.20 171.6E–.10 50 4.2b 19 4-68
IDC VIII 18 19 52 30.6–2.0 21.37S 171.20E 0 3.8b,3.8 **¶621030408**
NEIC VIII 18 19 52 38.2–.33 21.8S–.20 171.55E–.08 69–12 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 12 24 42.0–.56 23.52S–.08 171.37E–.07 10 3.9b,3.4s 33 4-149
IDC IX 01 12 24 40.4–.79 23.54S 171.46E 0 3.9b,3.9 **¶621080620**
NEIC IX 01 12 24 41.7–1.5 23.49S–.04 171.47E–.09 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 06 33 46.2–.44 22.38S–.04 171.55E–.05 119–3 4.8b 399 4-167
IDC IX 01 06 33 44.5–1.6 22.46S 171.57E 104–13 4.8,4.4b **¶621012686**
NEIC IX 01 06 33 45.7–1.8 22.34S–.06 171.59E–.08 109–4 5.2,4.9b
BJI IX 01 06 33 46.2 21.72S 171.77E 115 5.0b,5.0b
NOU IX 01 06 33 48.7 22.42S 171.27E 125 4.9b,5.0b
GCMT IX 01 06 33 48.0–.10 22.41S–.01 171.51E–.01 109–1 5.2W,5.0b
GFZ IX 01 06 33 49.3–.21 22S–3.0 172E–4.0 143 4.9b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109010633A. Moment Tensor Solution. s96,c137; s131,c233;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.09±.13 $M_{\theta\theta}$-3.97±.17; $M_{\phi\phi}$0.88±.15; $M_{r\theta}$4.76±.10; $M_{\theta\phi}$6.00±.14; $M_{\phi r}$1.72±.09; Best double couple: NP1:ϕ_s343.00000°,δ50.00000°,λ160.00000°. NP2:ϕ_s86.00000°,δ75.00000°,λ42.00000°. Principal axes: T 8.4190,Plg40.0000°,Azm313.0000°; N 0.4310,Plg46.0000°,Azm103.0000°; P -8.8460,Plg16.0000°,Azm209.0000° M_o8.63300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC IX 04 17 08 26.4–2.0 21.9S–.40 169.3E–.10 25 10 2-147
IDC IX 04 17 08 25.1–3.8 20.08S 168.74E 0 3.5b,3.5 **¶621081642**
NOU IX 04 17 08 31.5 21.95S 168.83E 0 2.7,3.5
ISC Event type se.
IDC Error ellipse: s-maj=105.7km s-min=26.6km az=125.0.
NOU Loyalty Islands.
ISC IX 05 10 46 19.1–1.7 23.1S–.20 170.6E–.10 28 3.4b 12 3-148
IDC IX 05 10 46 13.2–2.0 23.31S 170.73E 0 3.6b,3.6 **¶621086403**
NOU IX 05 10 46 13.5 23.18S 170.82E 0 3.9,3.6
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=25.8km az=179.0.
NOU Southeast of Loyalty Islands.
ISC IX 05 13 56 26.1–.76 22.26S–.09 170.16E–.08 21 3.4b 22 3-148
NEIC IX 05 13 56 25.1–1.6 22.22S–.09 170.18E–.09 10–1 4.8b **¶621086412**
IDC IX 05 13 56 27.1–8.6 22.40S 170.29E 33–57 4.4L,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=14.5km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=100.0km s-min=37.6km az=172.0.
ISC IX 14 15 24 57.0–1.2 23.2S–.20 172.1E–.10 10 4.0b,3.2s 21 4-99
IDC IX 14 15 24 55.1–1.3 23.14S 172.18E 0 3.9,3.8b **¶621110838**
NEIC IX 14 15 24 55.9–.85 23.0S–.30 172.29E–.05 10–2 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 13 18 16 33.7–2.2 22.1S–.80 170.9E–.20 35 6 4-148
IDC IX 13 18 16 28.9–2.0 22.57S 170.94E 0 3.5b,3.5 **¶621109719**
ISC Event type se.
IDC Error ellipse: s-maj=92.8km s-min=24.8km az=176.0.
ISC IX 15 08 34 41.5–.81 22.8S–.10 169.98E–.09 25 4.0b 37 2-151
IDC IX 15 08 34 38.1–1.0 23.13S 170.02E 0 4.0b,3.9 **¶621111976**
NEIC IX 15 08 34 38.1–1.6 22.80S–.07 170.16E–.10 10–2 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 29 01 11 57.6–.36 21.59S–.04 170.47E–.05 134 4.7b 230 2-166
IDC IX 29 01 11 59.8–2.0 21.66S 170.44E 150–17 4.6,4.1b **¶621112353**
NEIC IX 29 01 11 59.1–1.9 21.59S–.10 170.55E–.08 147–7 4.6b,4.1b
NOU IX 29 01 12 00.1 21.53S 170.32E 176 4.6b,4.1b
GFZ IX 29 01 12 00.9–.23 22S–3.0 171E–3.0 168 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 27 14 51 12.0–1.2 22.2S–.10 170.47E–.10 35 4.1b 25 3-81
NEIC IX 27 14 51 13.4–1.8 22.28S–.09 170.51E–.10 35–2 4.3b **¶621140721**
IDC IX 27 14 51 20.1–5.2 19.31S 168.21E 0 4.3L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=15.3km az=31.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=105.2km s-min=24.8km az=99.0.
ISC IX 29 17 05 58.8–.36 22.80S–.07 171.58E–.06 49 4.7b,3.8s 151 4-166
IDC IX 29 17 05 51.2–.52 22.66S 171.76E 0 4.3b,4.3 **¶621113005**
NEIC IX 29 17 05 54.1–2.1 22.83S–.08 171.71E–.10 10–1 4.9b,4.3
GCMT IX 29 17 06 01.1–.50 22.76S–.03 171.49E–.05 32–0 5.0W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109291705A. Moment Tensor Solution. s31,c33; s51,c67; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.91±.25 $M_{\theta\theta}$-2.92±.14; $M_{\phi\phi}$-0.98±.14; $M_{r\theta}$0.42±.18; $M_{\theta\phi}$-0.05±.09; $M_{\phi r}$0.33±.19; Best double couple: NP1:ϕ_s272.00000°,δ42.00000°,λ96.00000°. NP2:ϕ_s84.00000°,δ49.00000°,λ85.00000°. Principal axes: T 3.9570,Plg85.0000°,Azm312.0000°; N -1.0020,Plg4.0000°,Azm88.0000°; P -2.9480,Plg4.0000°,Azm178.0000° M_o3.45300×10^{16}
IDC X 01 03 07 27.0–2.5 22.16S 170.59E 0 3.9L,3.5
¶621147806
IDC Error ellipse: s-maj=127.6km s-min=25.0km az=171.0.
NOU X 07 11 14 57.6 21.84S 170.16E 0 3.7
¶621256330
NOU Southeast of Loyalty Islands.
ISC X 05 11 29 06.4–1.0 22.5S–.20 171.67E–.09 35 3.8b 8 5-89
IDC X 05 11 29 01.0–1.1 22.52S 171.78E 0 3.7b,3.7 **¶621203171**
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=16.4km az=172.0.
ISC X 05 16 57 01.6–.69 22.18S–.08 174.07E–.07 10 4.0b 26 6-92
IDC X 05 16 56 59.1–1.4 22.24S 174.17E 0 4.0L,3.8 **¶621203181**
NEIC X 05 16 57 02.4–.73 22.2S–.10 174.06E–.05 10–2 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 20 41 22.6–1.0 23.0S–.10 172.88E–.10 49 4.3b,3.6s 35 5-149
IDC X 06 20 41 15.9–.97 22.88S 173.00E 0 4.2,4.1L **¶621217170**
NEIC X 06 20 41 17.5–.96 22.96S–.09 173.06E–.04 10–1 4.5b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 07 11 47 56.7–.81 22.2S–.10 169.68E–.08 25 4.1b,3.1s 23 2-147
IDC X 07 11 47 52.4–.95 22.25S 169.83E 0 3.9b,3.9 **¶621217212**
NEIC X 07 11 47 54.8–1.1 22.2S–.10 169.73E–.08 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 18 17 59 50.9–.78 23.3S–.10 172.38E–.08 35 4.4b 35 5-83
IDC X 18 17 59 46.4–1.1 23.25S 172.41E 0 4.0b,4.0 **¶621244039**
NEIC X 18 17 59 48.1–1.9 23.4S–.10 172.38E–.09 10–1 4.4b,4.0

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 07 19 17 40.8–.47 21.75S–.08 169.25E–.07 21 4.7b,3.6s 87 2-150
IDC X 07 19 17 37.5–.64 21.65S 169.41E 0 4.2b,4.2 **¶621217236**
NEIC X 07 19 17 40.0–2.0 21.82S–.09 169.19E–.08 10–1 4.8b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU X 14 12 22 51.6 22.28S 169.93E 49 3.5
¶621256368
NOU Southeast of Loyalty Islands.
ISC X 16 09 51 14.1–.37 22.70S–.06 171.09E–.05 10 4.4b,3.8s 175 3-166
IDC X 16 09 51 12.0–.55 22.53S 171.26E 0 4.3L,4.3 **¶621204655**
NEIC X 16 09 51 14.9–1.1 22.76S–.08 171.14E–.08 10–1 4.3b,4.3
GFZ X 16 09 51 15.1–.37 23S–5.0 171E–5.0 10 5.0,4.8b
BGR X 16 09 51 17.3 22.04S 172.74E 33 4.3s,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=14.3km az=175.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.6km az=351.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.3km s-min=9.9km az=93.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
ISC X 29 18 55 25.2–.39 22.74S–.06 171.56E–.06 10 4.6b,3.9s 168 4-151
IDC X 29 18 55 23.4–.65 22.54S 171.60E 0 4.4b,4.3 **¶621244196**
NEIC X 29 18 55 25.3–1.7 22.71S–.08 171.62E–.08 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU X 20 02 11 17.2 22.13S 170.07E 0 3.7
¶621256395
NOU Southeast of Loyalty Islands.
ISC X 31 12 32 04.2–.48 21.88S–.04 170.87E–.05 126–3 5.0b 568 3-164
IDC X 31 12 32 04.0–1.2 21.84S–.09 170.89E–.09 121–7 4.9b **¶621244731**
BJI X 31 12 32 03.5 21.17S 171.24E 123 5.0b,4.9b
IDC X 31 12 32 03.9–.70 21.83S 170.84E 123–5 4.7,4.2b
GCMT X 31 12 32 05.2–.30 21.91S–.02 170.77E–.02 138–3 4.9W,4.2b
NOU X 31 12 32 05.0 21.90S 170.84E 131 5.2b,4.2b
GFZ X 31 12 32 06.2–.68 22S–5.0 171E–6.0 138–6 5.4b,5.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110311232A. Moment Tensor Solution. s31,c35; s106,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.16±.10 $M_{\theta\theta}$-1.02±.14; $M_{\phi\phi}$-0.13±.13; $M_{r\theta}$2.03±.08; $M_{\theta\phi}$0.00±.11; $M_{\phi r}$1.59±.07; Best double couple: NP1:ϕ_s278.00000°,δ14.00000° ,λ131.00000°. NP2:ϕ_s56.00000°,δ80.00000°,λ81.00000°. Principal axes:
T 2.9950,Plg54.0000°,Azm315.0000°; N -0.4300,Plg9.0000°,Azm57.0000°
; P -2.5590,Plg34.0000°,Azm154.0000° $M_0$2.77700×10^{16}
NOU Southeast of Loyalty Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU X 31 08 25 47.0 21.46S 169.89E 13 3.9
¶621256492
NOU Southeast of Loyalty Islands.
ISC X 31 01 43 40.7–.64 23.0S–.10 171.07E–.06 10 4.3b 36 3-152
IDC X 31 01 43 38.6–.93 23.00S 171.11E 0 4.0b,4.0 **¶621395214**
NEIC X 31 01 43 41.7–1.1 23.03S–.09 170.96E–.06 10–1 4.4b,4.0
NOU X 31 01 44 13.5 22.15S 168.43E 1 2.6,4.0
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=15.9km az=176.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=3.6km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU New Caledonia.
ISC XI 02 02 28 08.2–.40 22.80S–.03 171.66E–.03 20–3 5.4b,5.2s 1007 4-167
IDC XI 02 02 28 05.2–.38 22.65S 171.57E 0 5.1b,5.1 **¶626091102**
MOS XI 02 02 28 05.1–1.3 22.58S 171.50E 3 5.4b,5.3s
NEIC XI 02 02 28 07.7–1.7 22.77S–.07 171.61E–.08 10–1 5.4b,5.3
GFZ XI 02 02 28 08.7–.15 23S–3.0 172E–3.0 19 5.9b,5.5
GFZ XI 02 02 28 11.7 22.59S 171.56E 45 5.3W,5.5
GCMT XI 02 02 28 13.5–.10 22.64S–.01 171.50E–.01 12 5.5W,5.5
NOU XI 02 02 28 14.7 22.75S 171.40E 57 5.4b,5.5
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=11.9km az=20.0.
MOS Error ellipse: s-maj=9.7km s-min=8.8km az=124.9.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=11.4km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.15 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$0.56 $M_{r\theta}$0.44 $M_{\theta\phi}$0.67 $M_{\phi r}$-0.60 NP1: ϕ_s155.06515°,δ87.78838°,λ140.91792°. NP2:ϕ_s246.86030°,δ50.95257°,λ2.84820°. Principal axes: T 1.0574,Plg28.2122°,Azm103.5922°; N 0.2397,Plg50.8654°,Azm332.3447° ; P -1.2971,Plg24.7187°,Azm207.8900° $M_0$1.19540×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111020228A. Moment Tensor Solution. s130,c221; s150,c287;Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.49±.01 $M_{\theta\theta}$-1.11±.01; $M_{\phi\phi}$0.61±.01; $M_{r\theta}$2.32±.03; $M_{\theta\phi}$0.34±.01; $M_{\phi r}$-0.91±.04; Best double couple: NP1: ϕ_s250.00000°,δ12.00000°,λ48.00000°. NP2:ϕ_s113.00000°,δ81.00000°,λ98.00000°. Principal axes: T 2.3330,Plg53.0000°,Azm33.0000°; N 0.6130,Plg8.0000°,Azm292.0000° ; P -2.9500,Plg36.0000°,Azm196.0000° $M_0$2.64200×10^{17}
NOU Southeast of Loyalty Islands.
ISC X 31 23 24 33.5–1.3 21.8S–.30 170.65E–.10 10 4.0b 13 3-147
IDC X 31 23 24 52.0–6.2 20.89S 170.00E 131–39 3.6,3.2b **¶621256484**
NOU X 31 23 25 10.2 21.79S 168.46E 12 3.2,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=243.9km s-min=43.4km az=155.0.
NOU Loyalty Islands.
ISC XI 02 02 33 05.6–.62 22.8S–.10 171.39E–.09 49 4.4b 39 4-149
IDC XI 02 02 32 58.3–1.1 22.67S 171.58E 0 4.2,4.1b **¶621401318**
NEIC XI 02 02 33 01.3–1.4 22.80S–.10 171.46E–.09 10–1 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 13 18 33.4–1.2 23.3S–.30 171.6E–.10 35 3.6b 7 5-149
IDC XI 14 13 18 28.0–1.2 23.34S 171.74E 0 3.6b,3.6 **¶621468684**
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=19.6km az=12.0.
NOU XI 10 16 34 34.6 22.27S 170.24E 6 3.6
¶621822391
NOU Southeast of Loyalty Islands.
ISC XII 03 18 26 55.2–.37 22.89S–.06 171.69E–.05 49 4.6b,4.0s 138 4-151
NEIC XII 03 18 26 50.5–1.6 22.84S–.08 171.80E–.09 10–1 4.7b,4.0s **¶621612041**
IDC XII 03 18 26 56.3–2.5 22.67S 171.69E 58–21 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=12.9km az=41.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=15.5km az=175.0.
ISC XI 19 15 14 09.6–.45 22.89S–.06 172.05E–.06 50 4.6b,4.2s 100 4-149
NEIC XI 19 15 14 04.9–2.0 22.85S–.06 171.99E–.08 10–1 4.6b,4.2s **¶621423229**
GCMT XI 19 15 14 09.8–.20 22.73S–.01 172.14E–.02 23–0 5.0W,4.2s
GFZ XI 19 15 14 09.6–.30 23S–4.0 172E–5.0 47 5.0b,4.9L
IDC XI 19 15 14 09.6–2.2 22.66S 172.00E 50–20 4.3,4.1L
NOU XI 19 15 14 12.1 22.92S 171.96E 66 4.6b,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.4km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111191514A. Moment Tensor Solution. s61,c92; s93,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.01±.12 $M_{r\theta}$-3.40±.08; $M_{\theta\phi}$0.38±.08; $M_{r\theta}$1.87±.12; $M_{\theta\phi}$0.72±.06; $M_{\phi r}$-0.22±.14; Best double couple: NP1:ϕ_s283.00000°,δ30.00000° ,λ94.00000°. NP2:ϕ_s98.00000°,δ60.00000°,λ88.00000°. Principal axes:
T 3.5160,Plg75.0000°,Azm2.0000°; N 0.5150,Plg2.0000°,Azm99.0000°
; P -4.0340,Plg15.0000°,Azm190.0000° $M_0$3.77500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=21.4km s-min=16.3km az=14.0.
NOU Southeast of Loyalty Islands.
NOU XI 23 16 33 10.7 22.25S 170.11E 10 3.5
¶621823287
NOU Southeast of Loyalty Islands.
ISC XI 24 14 38 38.4–.36 22.83S–.05 172.26E–.05 35 4.7b,4.2s 188 4-151
IDC XI 24 14 38 32.6–.53 22.67S 172.21E 0 4.4b,4.4 **¶621460249**
BJI XI 24 14 38 33.6 22.80S 172.10E 10 5.3b,4.8b
NEIC XI 24 14 38 34.6–1.3 22.74S–.08 172.21E–.04 10–1 4.8b,4.8b
GFZ XI 24 14 38 35.5–.31 23S–5.0 172E–5.0 10 6.3b,6.0
GCMT XI 24 14 38 40.2–.30 22.88S–.02 172.19E–.02 30–0 5.0W,6.0
NOU XI 24 14 38 40.3 22.86S 172.24E 54 4.7b,6.0
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=12.2km az=164.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=3.6km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=12.4km s-min=9.3km az=147.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111241438A. Moment Tensor Solution. s43,c54; s81,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.00±.17 $M_{\theta\theta}$-3.30±.10; $M_{\phi\phi}$0.31±.10; $M_{r\theta}$1.65±.16; $M_{\theta\phi}$0.02±.07; $M_{\phi r}$0.24±.16; Best double couple: NP1:ϕ_s275.00000°,δ31.00000° ,λ98.00000°. NP2:ϕ_s86.00000°,δ59.00000°,λ85.00000°. Principal axes:
T 3.4250,Plg76.0000°,Azm342.0000°; N 0.2920,Plg4.0000°,Azm88.0000°
; P -3.7060,Plg14.0000°,Azm179.0000° $M_0$3.56600×10^{16}
NOU Southeast of Loyalty Islands.
ISC XI 30 04 38 52.3–.38 21.54S–.05 169.21E–.06 29 4.9b,3.9s 210 2-149
IDC XI 30 04 38 47.5–.59 21.37S 169.29E 0 4.3b,4.3 **¶621499104**
NEIC XI 30 04 38 49.8–.80 21.61S–.09 169.26E–.07 10–1 5.0b,4.3
NOU XI 30 04 38 50.1 21.55S 169.28E 27 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=12.5km az=159.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.7km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
ISC XI 21 10 38 47.2–.95 22.2S–.20 171.02E–.09 112 3.9b 9 4-148
IDC XI 21 10 38 46.8–2.2 22.20S 171.03E 108–20 4.2,3.8b **¶621608910**
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=16.8km az=179.0.
IDC XI 17 23 14 50.8–4.6 22.29S 171.67E 0 3.7,3.6b
¶621494240
IDC Error ellipse: s-maj=115.7km s-min=25.8km az=23.0.
ISC XI 20 13 40 24.4–.27 22.85S–.04 171.67E–.04 10 5.2b,4.9s 728 4-164
IDC XI 20 13 40 20.8–.46 22.65S 171.87E 0 4.9s,4.8 **¶621427726**
BJI XI 20 13 40 21.6 22.70S 171.90E 10 5.4b,5.1s
MOS XI 20 13 40 22.8–1.4 22.89S 171.67E 10 5.3s,5.3b
NEIC XI 20 13 40 22.9–1.8 22.93S–.07 172.0E–.10 10–1 5.3b,5.3b
GFZ XI 20 13 40 22.4–.23 22S–4.0 172E–4.0 10 5.7b,5.5
NEIC XI 20 13 40 22.7 22.88S 172.00E 10 5.7b,5.5
NEIC XI 20 13 40 23.2 22.68S 172.11E 30 5.3,5.5
PTWC XI 20 13 40 28 22.90S 171.50E 10 5.6,5.5
NOU XI 20 13 40 30.8 22.78S 171.62E 60 5.2b,5.5
GCMT XI 20 13 40 30.1–.10 22.82S–.01 171.66E–.01 30–0 5.5W,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.18 $M_{\theta\theta}$0.52 $M_{\phi\phi}$-0.34 $M_{r\theta}$0.30 $M_{\theta\phi}$0.85 $M_{\phi r}$-0.59 NP1:ϕ_s278.70000°,δ66.10000° ,λ-21.37000°. NP2:ϕ_s17.71000°,δ70.54000°,λ-154.55000°. Principal axes:
T 1.0454,Plg3.0000°,Azm147.0000°; N 0.2148,Plg58.0000°,Azm53.0000°
; P -1.2602,Plg31.0000°,Azm239.0000° $M_0$1.17000×10^{17}
NOU Southeast of Loyalty Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111201340A. Moment Tensor Solution. s123,c216; s152,c296;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.02 $M_{\theta\theta}$0.07±.02; $M_{\phi\phi}$-0.20±.02; $M_{r\theta}$0.77±.03; $M_{\theta\phi}$1.40±.01; $M_{\phi r}$-1.29±.04; Best double couple: NP1: ϕ_s265.00000°,δ49.00000°,λ-5.00000°. NP2:ϕ_s359.00000°,δ86.00000°,λ-139.00000°. Principal axes: T 1.4840,Plg25.0000°,Azm124.0000°; N 0.8710,Plg48.0000°,Azm3.0000° ; P -2.3540,Plg31.0000°,Azm231.0000° $M_0$1.91900×10^{17}
ISC XI 21 23 52 29.3–.54 22.79S–.07 172.00E–.07 47 4.2b,3.3s 30 5-93
IDC XI 21 23 52 23.4–1.3 22.81S 172.12E 0 3.9,3.8L **¶621608938**
NEIC XI 21 23 52 25.4–1.2 22.80S–.09 171.96E–.04 10–1 4.5b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 27 00 05 15.7–.59 22.91S–.10 171.36E–.07 35 4.3b,3.7s 56 5-151
IDC XI 27 00 05 08.0–.96 22.65S 171.66E 0 4.1b,4.1 **¶621625102**
NEIC XI 27 00 05 12.9–1.7 22.89S–.07 171.36E–.08 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 01 21 21 04.6–.50 23.05S–.08 171.46E–.07 49 4.6b,3.6s 84 5-152
IDC XII 01 21 20 58.4–.82 23.14S 171.56E 0 4.3b,4.3 **¶621629849**
NEIC XII 01 21 21 00.7–1.4 23.05S–.07 171.44E–.08 10–1 4.8b,4.3
GCMT XII 01 21 21 04.0–.40 23.01S–.03 171.43E–.04 29–1 5.0W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112012121A. Moment Tensor Solution. s23,c25; s63,c76; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.27±.26 $M_{\theta\theta}$-3.20±.17; $M_{\phi\phi}$-0.07±.14; $M_{r\theta}$1.09±.21; $M_{\theta\phi}$-0.33±.09; $M_{\phi r}$-0.22±.22; Best double couple: NP1:ϕ_s259.00000°,δ36.00000° ,λ81.00000°. NP2:ϕ_s89.00000°,δ54.00000°,λ96.00000°. Principal axes:
T 3.4690,Plg80.0000°,Azm25.0000°; N -0.0680,Plg5.0000°,Azm266.0000°
; P -3.4040,Plg9.0000°,Azm175.0000° $M_0$3.43600×10^{16}
ISC XII 12 17 28 25.1–.63 23.55S–.07 170.24E–.08 35 3.9b 30 3-149
IDC XII 12 17 28 21.8–2.3 23.80S 170.07E 0 3.9L,3.7b **¶621650525**
NEIC XII 12 17 28 22.1–1.6 23.58S–.07 170.22E–.08 10–1 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 03 14 05 39.6–.99 21.1S–.30 170.2E–.10 150 3.9b 11 4-166
IDC XII 03 14 05 43.1–2.9 21.32S 170.01E 184–23 3.6,3.2b **¶621630599**
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=28.4km az=157.0.
ISC XII 16 05 08 47.6–1.3 23.0S–.30 171.51E–.10 35 4.1b 12 5-149
IDC XII 16 05 08 40.7–1.4 23.28S 171.70E 0 4.2b,4.2 **¶621655757**
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=15.9km az=170.0.
ISC XII 13 11 44 48.9–.62 21.87S–.05 170.23E–.05 26–4 5.0b,4.4s 371 4-166
IDC XII 13 11 44 44.4–.55 21.81S 170.30E 0 4.6,4.5b **¶621627994**
GCMT XII 13 11 44 48.3–.10 21.83S–.01 170.30E–.01 13–0 5.1W,4.5b
NEIC XII 13 11 44 49.0–1.2 21.81S–.07 170.20E–.06 25–5 5.0b,4.5b

BJI XII 13 11 44 48.7 21.31S 170.59E 29 5.6b,5.2s
GFZ XII 13 11 44 49.4–.49 22S–3.0 170E–3.0 23–3 5.7b,5.6
NEIC XII 13 11 44 49.8 21.86S 170.10E 22 5.7b,5.6
NEIC XII 13 11 44 50.1 21.66S 170.32E 18 5.3,5.6
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=14.0km az=88.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112131144A. Moment Tensor Solution. s66,c104; s126,c220;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.19±.16 $M_{\theta\theta}$2.64±.12; $M_{\phi\phi}$1.55±.11; $M_{r\theta}$-0.71±.28; $M_{\theta\phi}$5.44±.09; $M_{\phi r}$-1.49±.28; Best double couple: NP1: ϕ_s253.00000°,δ44.00000°,λ-52.00000°. NP2:ϕ_s26.00000°,δ57.00000°,λ-120.00000°. Principal axes: T 7.7580,Plg7.0000°,Azm137.0000°; N -3.0770,Plg25.0000°,Azm44.0000° ; P -4.6810,Plg64.0000°,Azm242.0000° $M_0$6.22000×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.2km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.1km s-min=5.1km az=58.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.25 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$0.27 $M_{r\theta}$0.83 $M_{\theta\phi}$0.41 $M_{\phi r}$0.45 NP1:ϕ_s356.24000°,δ21.11000° ,λ-154.77000°. NP2:ϕ_s242.51000°,δ81.17000°,λ-70.75000°. Principal axes: T 1.1299,Plg33.0000°,Azm316.0000°; N -0.1565,Plg19.0000°,Azm59.0000° ; P -0.9734,Plg50.0000°,Azm174.0000° $M_0$1.06000×10^{17}
ISC XII 15 23 38 22.9–.80 23.03S–.09 172.08E–.08 47 4.3b,4.2s 26 4-147
IDC XII 15 23 38 16.2–1.1 23.24S 172.15E 0 4.1,4.0b **¶621654157**
NEIC XII 15 23 38 19.8–1.6 23.1S–.10 172.10E–.10 10–2 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 26 05 37 07.3–.39 22.92S–.05 172.11E–.05 10 4.9b,4.4s 242 4-152
IDC XII 26 05 37 04.8–.68 22.76S 172.25E 0 4.4L,4.3b **¶621653495**
NEIC XII 26 05 37 07.8–1.2 22.92S–.08 172.10E–.08 10–1 4.9b,4.3b
GFZ XII 26 05 37 09.3–.32 23S–4.0 172E–4.0 10 5.0L,4.9b
NOU XII 26 05 37 10.1 23.07S 171.97E 21 5.0b,4.9b
GCMT XII 26 05 37 13.4–.20 22.67S–.01 172.05E–.02 24–1 5.1W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Southeast of Loyalty Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112260537A. Moment Tensor Solution. s54,c68; s99,c144; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.42±.22 $M_{\theta\theta}$-4.86±.15; $M_{\phi\phi}$1.44±.13; $M_{r\theta}$2.45±.20; $M_{\theta\phi}$-0.24±.10; $M_{\phi r}$-1.48±.20; Best double couple: NP1:ϕ_s242.00000°,δ36.00000° ,λ48.00000°. NP2:ϕ_s110.00000°,δ64.00000°,λ116.00000°. Principal axes: T 4.7600,Plg62.0000°,Azm60.0000°; N 0.7740,Plg23.0000°,Azm278.0000° ; P -5.5340,Plg16.0000°,Azm181.0000° $M_0$5.14700×10^{16}
ISC XII 18 20 14 15.8–.34 21.45S–.04 170.18E–.05 10 5.2s,4.9b 315 2-151
IDC XII 18 20 14 13.7–.57 21.56S 170.32E 0 4.6,4.5b **¶621633508**
GFZ XII 18 20 14 13.3–.29 21S–4.0 170E–4.0 10 6.5,6.5
NEIC XII 18 20 14 16.1–1.3 21.44S–.07 170.13E–.03 10–1 5.1,5.0b
NOU XII 18 20 14 19.6 21.46S 170.02E 18 5.0b,5.0b
GCMT XII 18 20 14 20.6–.30 21.35S–.02 170.17E–.02 24–1 5.3W,5.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112182014A. Moment Tensor Solution. s33,c41; s83,c105; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.04 $M_{\theta\theta}$-0.46±.04; $M_{\phi\phi}$0.62±.04; $M_{r\theta}$0.20±.07; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$0.46±.08; Best double couple: NP1:ϕ_s292.00000°,δ58.00000° ,λ-172.00000°. NP2:ϕ_s198.00000°,δ83.00000°,λ-33.00000°. Principal axes: T 1.0110,Plg17.0000°,Azm249.0000°; N -0.0790,Plg57.0000°,Azm7.0000° ; P -0.9320,Plg28.0000°,Azm150.0000° $M_0$0.97200×10^{17}
ISC XII 27 21 29 13.9–1.1 22.5S–.10 170.2E–.10 21 3.9b 28 2-150
IDC XII 27 21 29 09.0–1.5 22.67S 170.37E 0 4.0b,4.0 **¶621717339**
NEIC XII 27 21 29 14.6–1.4 22.69S–.09 169.9E–.10 10–2 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 27 13 03 07.1–2.2 22.39S 170.33E 0 3.7b,3.7
¶621717317
IDC Error ellipse: s-maj=75.3km s-min=29.2km az=179.0.
ISC XII 31 00 50 31.9–.47 22.56S–.08 170.10E–.06 21 4.1b 90 2-151
IDC XII 31 00 50 27.1–.85 22.38S 170.40E 0 4.1b,4.1 **¶636156685**
NEIC XII 31 00 50 31.3–.73 22.60S–.05 170.07E–.06 10–1 5.0b,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 31 00 50 47.9–.33 22.42S–.05 170.19E–.05 21 4.9b 172 3-148
GFZ XII 31 00 50 43.4–.31 22S–4.0 171E–4.0 10 5.7b,5.3 **¶621657649**
IDC XII 31 00 50 44.7–.66 22.45S 170.37E 0 4.7,4.6b
NEIC XII 31 00 50 46.8–1.5 22.47S–.07 170.16E–.07 10–1 5.0b,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 11 43 40.5–1.6 22.2S–.50 169.5E–.10 25 3.7b 7 3-147
IDC XII 29 11 43 33.1–2.0 22.35S 169.98E 0 3.8b,3.7 **¶621724211**
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=29.0km az=176.0.
ISC XII 29 12 12 57.7–.65 22.5S–.10 170.12E–.08 21 4.1b 33 2-148
NEIC XII 29 12 12 55.8–1.5 22.41S–.08 170.3E–.10 10–1 4.3b **¶621724214**
IDC XII 29 12 13 00.2–3.0 22.39S 170.09E 41–24 4.0,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=12.7km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.2km s-min=17.7km az=166.0.
ISC XII 27 19 44 55.4–.42 22.47S–.07 170.09E–.06 21 4.6b,4.0s 113 2-150
IDC XII 27 19 44 51.0–.67 22.36S 170.27E 0 4.3b,4.3 **¶621654275**
GFZ XII 27 19 44 54.4–.33 23S–6.0 170E–5.0 10 6.4b,6.1
NEIC XII 27 19 44 55.1–2.3 22.54S–.06 170.05E–.10 10–1 4.7b,6.1
GCMT XII 27 19 44 57.0–.20 22.40S–.02 170.23E–.02 18–0 4.9W,6.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112271944A. Moment Tensor Solution. s39,c59; s79,c116; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.00±.14 $M_{\theta\theta}$-1.98±.09; $M_{\phi\phi}$-1.02±.08; $M_{r\theta}$1.10±.20; $M_{\theta\phi}$1.60±.06; $M_{\phi r}$-0.08±.21; Best double couple: NP1:ϕ_s317.00000°,δ38.00000° ,λ107.00000°. NP2:ϕ_s116.00000°,δ54.00000°,λ77.00000°. Principal axes: T 3.2490,Plg76.0000°,Azm344.0000°; N 0.0620,Plg10.0000°,Azm124.0000° ; P -3.3100,Plg9.0000°,Azm215.0000° $M_0$3.27900×10^{16}

SEISMIC REGION 15.
Bismarck and Solomon Islands.

(190) New Ireland region.

ISC VII 10 18 05 02.5–.64 4.60S–.09 153.57E–.08 85 3.9b 36 1-85
NEIC VII 10 18 05 02.7–1.7 4.6S–.10 153.58E–.08 84–8 4.0b **¶620928371**
IDC VII 10 18 05 04.2–2.3 4.65S 153.43E 94–16 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=12.2km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.6km s-min=21.0km az=43.0.
IDC VII 12 04 50 18.3–5.4 4.81S 153.04E 0 3.3b,3.3
¶620928462
IDC Error ellipse: s-maj=165.6km s-min=39.8km az=108.0.
IDC VII 12 11 32 24.8–5.8 5.90S 153.26E 0 3.6,3.5b
¶620928487
IDC Error ellipse: s-maj=173.3km s-min=40.3km az=110.0.
ISC VII 12 19 42 58.9–1.7 3.4S–.20 150.2E–.30 10 3.7b,3.4s 8 10-100
IDC VII 12 19 42 57.1–1.6 3.37S 150.27E 0 4.1L,3.8 **¶620928502**
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=23.7km az=116.0.
ISC VII 16 06 18 56.3–.38 4.64S–.05 153.41E–.05 73–2 4.7b 174 1-151
IDC VII 16 06 18 46.5–.49 4.68S 153.27E 0 4.5b,4.5 **¶620831329**
BJI VII 16 06 18 53.7 4.63S 153.65E 75 4.8b,4.6b
DJA VII 16 06 18 53.3–1.4 5S–8.0 154E–11 45–9 5.6,5.3b
NEIC VII 16 06 18 56.1–1.1 4.65S–.09 153.30E–.07 67–6 4.8b,5.3b
GCMT VII 16 06 18 57.4–.20 4.87S–.01 153.19E–.01 53–2 5.1W,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107160618A. Moment Tensor Solution. s69,c80; s106,c169; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.86±.19 $M_{\theta\theta}$3.07±.14; $M_{\phi\phi}$-4.93±.12; $M_{r\theta}$-2.62±.12; $M_{\theta\phi}$0.02±.15; $M_{\phi r}$-0.65±.13; Best double couple: NP1:ϕ_s322.00000°,δ59.00000° ,λ25.00000°. NP2:ϕ_s218.00000°,δ68.00000°,λ146.00000°. Principal axes: T 5.1720,Plg39.0000°,Azm177.0000°; N -0.1730,Plg51.0000°,Azm9.0000° ; P -4.9990,Plg6.0000°,Azm272.0000° $M_0$5.08500×10^{16}
ISC VII 17 15 15 16.6–.79 3.41S–.10 153.5E–.20 400 3.6b 22 13-150
IDC VII 17 15 15 17.7–2.5 3.41S 153.45E 413–25 4.1,3.3b **¶620928774**
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=10.2km az=97.0.
IDC VII 18 07 05 03.2–2.3 3.47S 151.26E 0 3.6b,3.6
¶620928806
IDC Error ellipse: s-maj=209.2km s-min=29.3km az=125.0.
ISC VII 20 04 22 47.6–.33 5.46S–.05 153.92E–.06 35 4.7b,3.9s 120 2-124
BJI VII 20 04 22 44.6 5.31S 154.11E 28 5.1b,5.0s **¶620834131**
NEIC VII 20 04 22 48.0–1.6 5.44S–.09 153.90E–.08 35–2 4.8b,5.0s
IDC VII 20 04 22 49.8–3.0 5.46S 153.89E 62–27 4.4,4.1b
GCMT VII 20 04 22 50.7–.30 5.65S–.02 153.66E–.02 40–1 5.0W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107200422A. Moment Tensor Solution. s50,c59; s58,c69; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.00±.19 $M_{\theta\theta}$-0.66±.14; $M_{\phi\phi}$-2.35±.13; $M_{r\theta}$-0.73±.12; $M_{\theta\phi}$1.55±.08; $M_{\phi r}$-1.13±.11; Best double couple: NP1:ϕ_s310.00000°,δ43.00000° ,λ60.00000°. NP2:ϕ_s169.00000°,δ54.00000°,λ115.00000°. Principal axes: T 3.4990,Plg69.0000°,Azm136.0000°; N -0.1760,Plg20.0000°,Azm333.0000° ; P -3.3310,Plg6.0000°,Azm241.0000° $M_0$3.41500×10^{16}
IDC VII 22 11 25 16.4–1.9 4.76S 153.08E 0 3.6,3.5b
¶620967824
IDC Error ellipse: s-maj=108.8km s-min=31.0km az=123.0.
ISC VII 23 06 16 04.0–.26 4.69S–.03 153.07E–.04 61–2 5.2b 730 1-158
IDC VII 23 06 15 55.3–.34 4.70S 153.15E 0 5.0b,5.0 **¶621112259**
MOS VII 23 06 16 01.4–.98 4.65S 153.01E 55 5.4b,4.7s
GFZ VII 23 06 16 02.6 4.64S 152.93E 49 5.5W,4.7s
GFZ VII 23 06 16 02.6–.43 5S–3.0 153E–4.0 54–4 5.3,5.2b
BJI VII 23 06 16 03.0 4.60S 153.00E 60 5.3b,5.1b
NEIC VII 23 06 16 03.8–1.2 4.68S–.07 153.02E–.07 57–5 5.5,5.2b
DJA VII 23 06 16 04.3–.40 5S–4.0 153E–3.0 59–4 5.8b,5.8
GCMT VII 23 06 16 05.8–.10 4.71S–.01 152.99E–.01 46–0 5.5W,5.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.53 $M_{\theta\theta}$1.34 $M_{\phi\phi}$-1.87 $M_{r\theta}$-0.57 $M_{\theta\phi}$-0.68 $M_{\phi r}$-0.74 NP1: ϕ_s326.01680°,δ60.76199°,λ5.01776°. NP2:ϕ_s233.56116°,δ85.62285°,λ150.66813°. Principal axes: T 1.6546,Plg23.5373°,Azm185.8135°; N 0.6074,Plg60.3721°,Azm45.8262° ; P -2.2620,Plg16.9424°,Azm283.4387° $M_0$2.02772×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107230616A. Moment Tensor Solution. s124,c202; s157,c300;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.03 $M_{\theta\theta}$1.75±.03; $M_{\phi\phi}$-2.49±.03; $M_{r\theta}$0.18±.04; $M_{\theta\phi}$-0.74±.03; $M_{\phi r}$-1.17±.04; Best double couple: NP1: ϕ_s56.00000°,δ63.00000°,λ177.00000°. NP2:ϕ_s147.00000°,δ88.00000°,λ27.00000°. Principal axes: T 2.0160,Plg20.0000°,Azm15.0000°; N 0.9430,Plg63.0000°,Azm152.0000° ; P -2.9590,Plg17.0000°,Azm278.0000° $M_0$2.48800×10^{17}
IDC VII 22 17 20 21.3–1.7 3.95S 150.59E 0 3.6b,3.6
¶620967841
IDC Error ellipse: s-maj=133.6km s-min=25.9km az=124.0.
ISC VIII 04 03 44 36.8–.66 4.60S–.09 153.0E–.10 55 4.4b 32 1-150
IDC VIII 04 03 44 29.6–1.3 4.59S 152.97E 0 4.1b,4.1 **¶620997280**
NEIC VIII 04 03 44 37.8–1.7 4.58S–.08 153.00E–.07 60–7 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 04 05 06 51.6–9.9 2.24S 153.65E 0 4.0b,4.0
¶620997284
IDC Error ellipse: s-maj=268.2km s-min=55.1km az=169.0.
IDC VIII 07 04 04 26.9–2.4 4.63S 153.80E 0 3.7b,3.7
¶621000701
IDC Error ellipse: s-maj=63.8km s-min=42.4km az=108.0.
ISC VIII 05 08 32 26.9–.59 3.82S–.09 151.16E–.08 10 4.0b,3.4s 28 1-148
IDC VIII 05 08 32 25.1–1.6 3.96S 151.38E 0 3.9b,3.9 **¶620998796**
NEIC VIII 05 08 32 27.2–2.0 3.8S–.10 151.17E–.07 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 27 23 17 06.2–20 5.94S 153.47E 0 3.6b,3.6
¶621072188
IDC Error ellipse: s-maj=705.1km s-min=42.7km az=107.0.
ISC VIII 15 18 43 24.1–1.4 5.2S–.20 153.6E–.30 56 3.8b 11 24-151
IDC VIII 15 18 43 24.8–5.1 5.23S 153.57E 60–37 3.9,3.6b **¶621023651**
ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=26.4km az=71.0.
ISC VIII 21 11 00 15.6–.57 5.08S–.08 153.86E–.09 100 4.3b 40 2-151
IDC VIII 21 11 00 04.4–.97 4.96S 153.79E 0 4.1b,4.1 **¶621042985**
NEIC VIII 21 11 00 14.2–1.1 5.07S–.07 153.96E–.08 81–9 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 05 21 42 09.5–.60 5.22S–.08 153.90E–.09 50 4.3b 48 2-95
IDC IX 05 21 42 02.7–1.0 5.14S 153.86E 0 4.0b,4.0 **¶621086423**
NEIC IX 05 21 42 11.4–.98 5.21S–.09 153.87E–.09 61–5 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 29 15 19 43.4–2.0 4.85S 153.61E 0 3.6b,3.6
¶621073186
IDC Error ellipse: s-maj=59.6km s-min=35.6km az=103.0.
ISC IX 03 02 51 56.1–.80 5.09S–.09 153.8E–.10 50 3.8b 16 2-86
IDC IX 03 02 51 49.6–1.3 5.01S 153.60E 0 3.8b,3.8 **¶621081544**
NEIC IX 03 02 51 56.9–.78 5.1S–.10 153.78E–.08 57–14 4.0b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 10 07 40 34.8–.45 5.03S–.07 153.25E–.09 43 4.3b,3.6s 44 1-151
IDC IX 10 07 40 28.6–.53 5.01S 153.18E 0 4.9L,4.2b **¶621108489**
NEIC IX 10 07 40 35.6–.90 5.03S–.05 153.26E–.08 44–8 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 06 15 44 33.8–.39 5.71S–.06 153.57E–.06 10 4.5b,3.7s 73 2-99
NEIC IX 06 15 44 34.6–1.1 5.72S–.06 153.61E–.05 10–1 4.6b,3.7s **¶621094263**
IDC IX 06 15 44 42.1–3.5 5.80S 153.70E 83–34 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.8km az=327.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.6km s-min=17.3km az=109.0.
ISC X 03 02 22 57.7–1.1 5.3S–.20 153.3E–.30 43 3.7b 10 20-90
IDC X 03 02 22 51.6–1.2 5.21S 153.25E 0 3.7b,3.7 **¶621186103**
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=21.9km az=86.0.
IDC IX 15 08 16 04.3–20 5.74S 153.94E 156–123 4.1,3.9s
¶621111975
IDC Error ellipse: s-maj=212.0km s-min=28.4km az=8.0.
ISC IX 10 20 09 33.8–.34 4.64S–.04 153.36E–.05 59–2 5.0b,3.9s 342 1-158
IDC IX 10 20 09 28.9–2.6 4.64S 153.43E 18–15 4.7,4.6b **¶621240978**
BJI IX 10 20 09 32.0 4.41S 153.68E 59 5.3b,5.0b
NEIC IX 10 20 09 34.4–1.8 4.70S–.07 153.28E–.06 59–5 5.0b,5.0b
GCMT IX 10 20 09 36.3–.20 4.85S–.02 153.09E–.02 55–1 5.0W,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109102009A. Moment Tensor Solution. s60,c81; s85,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.02±.16 $M_{\theta\theta}$-3.41±.10; $M_{\phi\phi}$0.38±.12; $M_{r\theta}$1.68±.10; $M_{\theta\phi}$0.25±.10; $M_{\phi r}$0.79±.08; Best double couple: NP1:ϕ_s289.00000°,δ34.00000°,λ116.00000°. NP2:ϕ_s79.00000°,δ60.00000°,λ74.00000°. Principal axes: T 3.6430,Plg70.0000°,Azm313.0000°; N 0.1740,Plg14.0000°,Azm87.0000° ; P -3.8230,Plg14.0000°,Azm181.0000° $M_0$3.73300×10^{16}
ISC IX 15 02 03 21.2–.86 4.7S–.10 153.1E–.10 55 4.0b,3.2s 26 1-99
IDC IX 15 02 03 12.9–1.6 4.71S 153.33E 0 4.0b,4.0 **¶621111962**
NEIC IX 15 02 03 20.1–1.3 4.78S–.10 153.18E–.09 44–7 4.0b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 23 19 13.7–1.7 4.5S–.20 153.0E–.20 55 4.2b,3.7s 15 1-150
IDC IX 26 23 19 05.7–2.8 4.58S 153.38E 0 4.1b,4.1 **¶621131546**
NEIC IX 26 23 19 11.3–.54 4.6S–.20 153.0E–.20 16–11 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 29 07 31 19.2–.56 4.31S–.08 153.0E–.10 55 4.2b,3.4s 49 1-151
IDC IX 29 07 31 19.6–2.3 4.35S 152.85E 55–19 4.7L,4.3 **¶621146357**
NEIC IX 29 07 31 20.0–1.7 4.29S–.06 153.1E–.10 55–7 4.2b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 09 13 44 53.3–.42 3.82S–.07 151.55E–.07 21 4.3b 59 1-149
IDC X 09 13 44 50.2–.64 3.81S 151.63E 0 4.1b,4.1 **¶621235326**
NEIC X 09 13 44 52.0–1.5 3.79S–.06 151.54E–.06 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 05 03 01 23.8–1.9 3.63S 151.46E 0 3.7b,3.7
¶621203148
IDC Error ellipse: s-maj=63.1km s-min=27.2km az=120.0.
ISC X 09 10 39 13.8–.32 4.49S–.04 153.38E–.04 66–2 5.1b 448 1-158
BJI X 09 10 39 12.4 4.28S 153.56E 65 5.2b,5.2b **¶621143779**
IDC X 09 10 39 12.4–1.4 4.53S 153.44E 54–11 4.9,4.7b
GFZ X 09 10 39 12.9–.35 4S–4.0 153E–6.0 50–3 5.8b,5.3
NEIC X 09 10 39 14.3–1.2 4.50S–.09 153.40E–.07 64–6 5.1b,5.3
DJA X 09 10 39 15.9–.50 5S–4.0 153E–3.0 78–4 5.4b,5.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 03 07 47 49.4–.47 3.70S–.07 151.18E–.08 10 4.4b,3.8s 56 1-99
IDC X 03 07 47 47.0–.88 3.60S 151.29E 0 4.1b,4.1 **¶621186120**
NEIC X 03 07 47 50.3–.76 3.74S–.06 151.20E–.06 10–1 4.6b,4.1
GCMT X 03 07 47 51.9–.30 3.44S–.02 151.07E–.02 18–2 4.8W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110030748A. Moment Tensor Solution. s15,c15; s77,c95; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.74±.16 $M_{\theta\theta}$1.85±.11; $M_{\phi\phi}$-1.10±.09; $M_{r\theta}$-0.38±.20; $M_{\theta\phi}$1.06±.10; $M_{\phi r}$0.36±.28; Best double couple: NP1:ϕ_s210.00000°,δ68.00000°,λ-164.00000°. NP2:ϕ_s114.00000°,δ75.00000°,λ-23.00000°. Principal axes: T 2.2140,Plg5.0000°,Azm163.0000°; N -0.5350,Plg63.0000°,Azm263.0000° ; P -1.6690,Plg27.0000°,Azm70.0000° $M_0$1.94100×10^{16}
ISC X 08 16 34 54.3–.52 4.74S–.07 153.69E–.07 100 4.3b 43 2-151
NEIC X 08 16 34 54.4–2.4 4.8S–.10 153.72E–.06 89–8 4.5b **¶621140978**
IDC X 08 16 34 59.1–3.3 4.82S 153.69E 140–29 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.6km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.0km s-min=18.4km az=81.0.
IDC X 23 16 43 27.4–7.3 3.89S 151.14E 0 3.3b,3.3
¶621309385
IDC Error ellipse: s-maj=160.3km s-min=43.7km az=91.0.
ISC X 21 20 31 54.2–.69 4.98S–.09 153.65E–.09 76–6 4.1b 33 2-90
NEIC X 21 20 31 53.3–1.7 5.1S–.10 153.80E–.07 71–7 4.3b **¶621261425**
IDC X 21 20 31 55.7–1.0 5.12S 153.85E 91–7 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.7km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.8km s-min=20.8km az=102.0.
ISC X 09 15 15 28.8–.55 4.30S–.07 153.37E–.06 10 4.1b 32 1-151
NEIC X 09 15 15 28.2–2.2 4.3S–.10 153.42E–.03 10–2 4.3b **¶621235330**
IDC X 09 15 15 55.5–3.0 4.95S 154.00E 270–36 3.9,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=3.5km az=12.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.9km s-min=14.4km az=118.0.
IDC X 16 14 55 41.7–1.9 5.34S 153.70E 0 3.5b,3.5
¶621242126
IDC Error ellipse: s-maj=44.6km s-min=36.8km az=50.0.
ISC X 20 12 30 16.8–.93 5.4S–.10 153.3E–.20 35 4.0b,3.2s 26 2-90
IDC X 20 12 30 11.3–1.2 5.53S 153.33E 0 3.9b,3.9 **¶621246600**
NEIC X 20 12 30 13.5–1.2 5.5S–.10 153.3E–.10 10–1 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 31 12 06 34.9–6.2 5.1S–.60 153E–1.0 56 3.6b 6 24-90
IDC X 31 12 06 27.9–4.2 4.94S 153.25E 0 3.7b,3.7 **¶621395245**
ISC Event type se.
IDC Error ellipse: s-maj=132.4km s-min=28.3km az=112.0.
IDC X 23 19 01 28.0–2.0 3.27S 150.72E 0 3.6,3.5b
¶621309389
IDC Error ellipse: s-maj=141.4km s-min=26.4km az=127.0.

ISC X 31 02 22 04.3–1.0 4.8S–.20 153.5E–.30 56 3.5b 9 17-90
IDC X 31 02 21 56.5–1.1 4.76S 153.46E 0 3.7L,3.6b **¶621395217**
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=24.4km az=106.0.
ISC X 24 11 04 20.7–1.9 4.7S–.20 153.3E–.50 50 3.6b 6 24-89
IDC X 24 11 04 14.3–2.0 4.59S 153.11E 0 3.7b,3.7 **¶621366386**
ISC Event type se.
IDC Error ellipse: s-maj=67.2km s-min=27.7km az=101.0.
ISC XI 04 02 34 25.4–.47 4.41S–.07 153.67E–.06 85 4.2b 53 2-124
NEIC XI 04 02 34 27.1–.85 4.40S–.10 153.64E–.08 98–7 4.5b **¶621412270**
IDC XI 04 02 34 28.9–7.0 4.51S 153.58E 119–59 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.8km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.6km s-min=15.4km az=86.0.
ISC XI 09 11 58 26.3–.50 4.95S–.06 153.84E–.09 200 4.2b 91 2-151
NEIC XI 09 11 58 23.9–1.0 4.9S–.10 154.0E–.10 171–7 4.3b **¶621423152**
IDC XI 09 11 58 23.3–2.2 4.95S 154.15E 179–19 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=13.3km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.2km s-min=11.1km az=88.0.
ISC XI 09 01 24 34.6–.92 3.62S–.09 152.8E–.10 35 4.3b 22 1-81
NEIC XI 09 01 24 30.8–1.9 3.6S–.10 152.93E–.10 10–2 4.5b **¶621423128**
IDC XI 09 01 24 32.2–1.9 3.39S 151.74E 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=3.7km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=146.0km s-min=27.6km az=126.0.
ISC XI 18 15 40 15.1–.24 4.73S–.03 153.31E–.03 62–1 5.5b 1344 1-158
BJI XI 18 15 40 10.3 4.64S 153.83E 41 5.4b,5.2s **¶621416068**
MOS XI 18 15 40 12.2–1.4 4.65S 153.33E 44 5.8b,5.2s
GFZ XI 18 15 40 14.1–.24 5S–2.0 153E–2.0 41–2 5.8b,5.5b
GFZ XI 18 15 40 14.1 4.72S 153.27E 42 5.5W,5.5b
NEIC XI 18 15 40 15.3–1.5 4.72S–.07 153.29E–.06 62–2 5.5b,5.4
IDC XI 18 15 40 17.4–.58 4.77S 153.28E 80–4 5.4,5.1b
GCMT XI 18 15 40 17.8–.20 4.85S–.02 153.23E–.02 46–1 5.7W,5.1b
DJA XI 18 15 40 17.7–.40 5S–3.0 153E–4.0 70–3 5.8b,5.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.98 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-2.26 $M_{r\theta}$0.05 $M_{\theta\phi}$0.37 $M_{\phi r}$-0.08 NP1: ϕ_s170.64727°,δ46.16644°,λ88.26504°. NP2:ϕ_s353.15157°,δ43.86091°,λ91.80621°. Principal axes: T 1.9788,Plg88.2982°,Azm34.5188°; N 0.3354,Plg1.2514°,Azm171.8490° ; P -2.3142,Plg1.1530°,Azm261.8742° $M_0$2.16610×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111181540A. Moment Tensor Solution. s62,c71; s120,c186; Duration: 1ŧ6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.22±.16 $M_{\theta\theta}$0.00±.09; $M_{\phi\phi}$-3.22±.09; $M_{r\theta}$-0.59±.09; $M_{\theta\phi}$0.69±.06; $M_{\phi r}$-1.78±.10; Best double couple: NP1:ϕ_s335.00000°,δ33.00000°,λ66.00000°. NP2:ϕ_s182.00000°,δ60.00000°,λ105.00000°. Principal axes: T 3.8250,Plg71.0000°,Azm127.0000°; N -0.0680,Plg13.0000°,Azm355.0000° ; P -3.7540,Plg14.0000°,Azm262.0000° $M_0$3.79000×10^{17}
ISC XI 12 22 47 13.5–.43 5.85S–.08 153.38E–.09 32 4.4b,3.5s 61 2-151
IDC XI 12 22 47 08.7–.59 5.81S 153.40E 0 4.2b,4.2 **¶621460226**
NEIC XI 12 22 47 10.9–1.5 5.82S–.10 153.40E–.06 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 17 07 39 02.3–.23 4.60S–.03 153.54E–.03 97–1 5.3b 814 1-158
BJI XI 17 07 38 59.8 4.60S 154.06E 105 5.3b,5.2b **¶621413544**
IDC XI 17 07 39 01.7–1.1 4.63S 153.66E 93–8 5.2,4.9b
MOS XI 17 07 39 01.3–.77 4.57S 153.58E 100 5.3b,4.9b
GFZ XI 17 07 39 02.2 4.49S 153.53E 90 5.3W,4.9b
NEIC XI 17 07 39 02.3–1.8 4.57S–.07 153.54E–.05 88–3 5.4b,5.3
GCMT XI 17 07 39 03.8–.10 4.77S–.01 153.54E–.01 87–0 5.4W,5.3
DJA XI 17 07 39 03.4–.50 5S–5.0 154E–4.0 106–5 6.4,5.6b
GFZ XI 17 07 39 03.2–.61 5S–3.0 154E–3.0 95–6 5.7b,5.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.75 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$0.45 $M_{r\theta}$-0.20 $M_{\theta\phi}$-0.12 $M_{\phi r}$-0.46 NP1: ϕ_s116.39170°,δ48.43618°,λ138.99982°. NP2:ϕ_s236.36526°,δ60.60180°,λ49.59792°. Principal axes: T 1.0867,Plg54.7096°,Azm93.8696°; N 0.1516,Plg34.3804°,Azm259.0404° ; P -1.2382,Plg7.0093°,Azm353.8660° $M_0$1.16985×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111170739A. Moment Tensor Solution. s137,c230; s146,c275;Duration: 1ŧ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.02 $M_{\theta\theta}$-0.65±.02; $M_{\phi\phi}$-0.16±.02; $M_{r\theta}$-0.48±.01; $M_{\theta\phi}$1.26±.02; $M_{\phi r}$-0.53±.01; Best double couple: NP1: ϕ_s166.00000°,δ60.00000°,λ147.00000°. NP2:ϕ_s274.00000°,δ61.00000°,λ35.00000°. Principal axes: T 1.5610,Plg44.0000°,Azm130.0000°; N 0.1290,Plg46.0000°,Azm308.0000° ; P -1.6900,Plg1.0000°,Azm39.0000° $M_0$1.62500×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 11 14 23 19.1–.51 4.80S–.09 153.24E–.08 43 4.2b 44 1-151
IDC XI 11 14 23 13.0–.71 4.77S 153.19E 0 4.2,4.1b **¶621449530**
NEIC XI 11 14 23 20.3–2.1 4.76S–.08 153.34E–.05 48–7 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 11 12 56 05.8–2.4 4.45S 153.28E 0 3.5b,3.5
¶621449528
IDC Error ellipse: s-maj=83.4km s-min=49.8km az=134.0.
ISC XI 13 09 11 08.6–.97 3.9S–.10 152.1E–.20 200 4.1b 33 0-88
NEIC XI 13 09 11 09.8–.74 4.0S–.10 152.1E–.10 204–5 4.1b **¶621468590**
IDC XI 13 09 11 14.2–21 3.91S 151.93E 255–177 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=4.1km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=118.1km s-min=24.9km az=78.0.
ISC XI 30 10 36 20.5–.44 3.55S–.03 151.16E–.03 14–2 6.3s,5.8b 1578 1-168
BJI XI 30 10 36 17.7 3.55S 151.15E 11 6.5s,6.4 **¶621499184**
IDC XI 30 10 36 17.3–.33 3.58S 150.99E 0 6.1s,5.1b
ISC-P XI 30 10 36 18 3.52S 151.19E 22–1 6.2,5.1b
IPGP XI 30 10 36 18.0 3.52S 151.16E 12 6.5W,5.1b
NEIC XI 30 10 36 18.1–1.1 3.52S–.07 151.19E–.06 10–1 6.3,6.3
NEIC XI 30 10 36 18.4 3.52S 151.16E 11 6.3,6.3
NEIC XI 30 10 36 18.2 3.52S 151.18E 10 6.3,6.3
MOS XI 30 10 36 20.2–1.6 3.59S 151.05E 18 6.2s,6.1b
GFZ XI 30 10 36 20.6 3.58S 150.92E 14 6.3W,6.1b
GFZ XI 30 10 36 20.6–.11 4S–2.0 151E–2.0 10 6.4b,6.2
DJA XI 30 10 36 20.5–.20 3S–3.0 151E–2.0 10 6.5b,6.2
PTWC XI 30 10 36 25 3.60S 151.00E 52 6.4,6.2
GCMT XI 30 10 36 27.4–.00 3.39S 150.93E 12 6.3W,6.2
NEIC XI 30 10 36 29 3.32S 151.08E 24 6.3,6.2
ISC Event type se.
IDC Error ellipse: s-maj=10.5km s-min=8.8km az=83.0.
ISC-P Moment Tensor Solution. s40 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17±.13 $M_{\theta\theta}$0.38±.25; $M_{\phi\phi}$-0.25±.18; $M_{r\theta}$0.11±.18; $M_{\theta\phi}$-0.30±.15; $M_{\phi r}$0.53±.17; NP1:ϕ_s19.10000°,δ72.70000°,λ204.20000°. NP2:ϕ_s281.50000°,δ67.00000°,λ-18.80000°. $M_0$2.85000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s301.00000°,δ82.00000°,λ-4.00000°. NP2:ϕ_s32.00000°,δ86.00000°,λ-172.00000°.

NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.6km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.13 $M_{\theta\theta}$2.61 $M_{\phi\phi}$-2.73 $M_{r\theta}$0.17 $M_{\theta\phi}$1.32 $M_{\phi r}$-0.26 NP1:ϕ_s301.74000°,δ87.93000°,λ-5.29000°. NP2:ϕ_s31.93000°,δ84.72000°,λ-177.92000°. Principal axes: T 2.9205,Plg2.0000°,Azm347.0000°; N 0.1501,Plg84.0000°,Azm100.0000°; P -3.0705,Plg5.0000°,Azm257.0000° $M_0$3.00000×10^{18}

NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=4.7km az=106.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.54 $M_{\theta\theta}$3.47 $M_{\phi\phi}$-2.93 $M_{r\theta}$-0.69 $M_{\theta\phi}$1.53 $M_{\phi r}$-0.44 NP1:ϕ_s302.63427°,δ78.85824°,λ2.74821°. NP2:ϕ_s212.10283°,δ87.30362°,λ168.84573°. Principal axes: T 3.9463,Plg9.7822°,Azm166.8504°; N -0.6457,Plg78.5285°,Azm18.6838°; P -3.3006,Plg5.9335°,Azm257.8772° $M_0$3.66635×10^{18}

GFZ Error ellipse: s-maj=5.0km s-min=3.7km az=77.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC NEW IRELAND REGION, PAPUA NEW GUINEA.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111301036A. Moment Tensor Solution. s171,c408; s169,c709;Duration: 3s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.20±.01 $M_{\theta\theta}$3.87±.02; $M_{\phi\phi}$-3.67±.02; $M_{r\theta}$-0.22±.04; $M_{\theta\phi}$1.71±.01; $M_{\phi r}$-0.28±.04; Best double couple: NP1:ϕ_s303.00000°,δ85.00000°,λ0.00000°. NP2:ϕ_s213.00000°,δ90.00000°,λ175.00000°. Principal axes: T 4.2570,Plg4.0000°,Azm168.0000°; N -0.2000,Plg85.0000°,Azm32.0000°; P -4.0540,Plg3.0000°,Azm258.0000° $M_0$4.15500×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 7s7 Moment tensor: Scale 10^{18}Nm; M_{rr}0.12 $M_{\theta\theta}$3.37 $M_{\phi\phi}$-3.49 $M_{r\theta}$0.54 $M_{\theta\phi}$1.09 $M_{\phi r}$-1.05 NP1:ϕ_s37.20000°,δ74.56000°,λ-173.60000°. NP2:ϕ_s305.49000°,δ83.83000°,λ-15.53000°. Principal axes: T 3.5805,Plg6.0000°,Azm352.0000°; N 0.3855,Plg73.0000°,Azm104.0000°; P -3.9659,Plg15.0000°,Azm260.0000° $M_0$3.79000×10^{18}

ISC	**XI**	**30 10 52 17.0–.37**	**3.50S–.06**	**150.94E–.06**	**10**	**4.8b**	**173**	**1-148**
GFZ	XI	30 10 52 14.6–.36	3S–5.0	151E–4.0	10	4.9b,4.9		**¶621499200**
IDC	XI	30 10 52 16.2–.58	3.43S	150.75E	0	4.2b,4.2		
NEIC	XI	30 10 52 17.3–1.3	3.59S–.09	150.90E–.07	10–1	5.0b,4.2		
DJA	XI	30 10 52 25.3–1.7	4S–5.0	150E–4.0	22–12	6.3b,6.1		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**18 14 08 05.2–.24**	**5.32S–.02**	**153.71E–.03**	**48–1**	**6.4s,6.2b**	**2262**	**2-165**
BJI	XI	18 14 08 02.6	5.35S	153.71E	40	6.5b,6.2s		**¶621416061**
MOS	XI	18 14 08 03.0–1.1	5.20S	153.64E	36	6.3b,6.0s		
ISC-P	XI	18 14 08 04	5.31S	153.71E	32–0	6.7,6.0s		
NEIC	XI	18 14 08 04.8	5.31S	153.71E	34	6.7,6.0s		
NEIC	XI	18 14 08 04.8–2.3	5.31S–.07	153.71E–.06	34–1	6.5,6.3		
NEIC	XI	18 14 08 04.6	5.31S	153.70E	32	6.5,6.3		
GFZ	XI	18 14 08 05.6	5.30S	153.69E	44	6.5W,6.3		
IPGP	XI	18 14 08 05.0	5.32S	153.67E	38	6.6W,6.3		
GFZ	XI	18 14 08 05.6–.08	5S–2.0	154E–2.0	44	6.9L,6.6b		
IDC	XI	18 14 08 06.3–1.1	5.31S	153.69E	62–9	5.9,5.9s		
NEIC	XI	18 14 08 06.6	5.35S	153.67E	47	5.9,5.9s		
PTWC	XI	18 14 08 08	5.40S	153.70E	65	6.5,5.9s		
DJA	XI	18 14 08 09.1–.40	5S–2.0	154E–2.0	76–4	6.6,6.5b		
GCMT	XI	18 14 08 10.6–.00	5.38S	153.63E	48–0	6.5W,6.5b		
NEIC	XI	18 14 08 17.5	5.35S	153.57E	40	6.2,6.5b		
NEIC	XI	18 14 08 19.2	5.28S	153.10E	49	6.5,6.5b		

ISC Event type se.
MOS Error ellipse: s-maj=6.9km s-min=4.5km az=113.6.
ISC-P Moment Tensor Solution. s40 Moment tensor: Scale 10^{19}Nm; M_{rr}0.61±.17 $M_{\theta\theta}$-0.60±.17; $M_{\phi\phi}$-0.00±.13; $M_{r\theta}$-0.07±.09; $M_{\theta\phi}$-0.01±.21; $M_{\phi r}$0.36±.20; NP1:ϕ_s289.70000°,δ47.50000°,λ82.60000°. NP2:ϕ_s120.60000°,δ43.00000°,λ98.00000°. $M_0$1.30000×10^{19}

NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.6km az=29.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}3.75 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-2.01 $M_{r\theta}$0.39 $M_{\theta\phi}$1.01 $M_{\phi r}$0.20 NP1:ϕ_s324.01000°,δ44.33000°,λ97.53000°. NP2:ϕ_s133.53000°,δ46.15000°,λ82.70000°. Principal axes: T 3.7896,Plg85.0000°,Azm329.0000°; N -0.8959,Plg5.0000°,Azm139.0000°; P -2.8937,Plg1.0000°,Azm229.0000° $M_0$3.43000×10^{18}

NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}6.31 $M_{\theta\theta}$-2.71 $M_{\phi\phi}$-3.60 $M_{r\theta}$-0.72 $M_{\theta\phi}$3.36 $M_{\phi r}$0.55 NP1:ϕ_s140.44781°,δ41.08230°,λ92.51996°. NP2:ϕ_s317.10628°,δ48.96599°,λ87.80485°. Principal axes: T 6.3797,Plg85.7220°,Azm205.8166°; N 0.2281,Plg1.6557°,Azm318.5478°; P -6.6078,Plg3.9435°,Azm48.6620° $M_0$6.49476×10^{18}

IPGP Moment Tensor Solution. NP1:ϕ_s136.00000°,δ40.00000°,λ86.00000°. NP2:ϕ_s321.00000°,δ50.00000°,λ93.00000°.
GFZ Error ellipse: s-maj=3.7km s-min=3.5km az=43.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=10.2km s-min=8.4km az=73.0.
NEIC Event type se.
PTWC NEW IRELAND REGION, PAPUA NEW GUINEA.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111181408A. Moment Tensor Solution. s174,c432; s173,c734;Duration: 4s3 Moment tensor: Scale 10^{18}Nm; M_{rr}6.58±.03 $M_{\theta\theta}$-2.66±.02; $M_{\phi\phi}$-3.92±.02; $M_{r\theta}$-0.34±.02; $M_{\theta\phi}$3.67±.01; $M_{\phi r}$1.19±.02; Best double couple: NP1:ϕ_s135.00000°,δ40.00000°,λ83.00000°. NP2:ϕ_s324.00000°,δ50.00000°,λ96.00000°. Principal axes: T 6.7140,Plg83.0000°,Azm274.0000°; N 0.3930,Plg5.0000°,Azm141.0000°; P -7.1070,Plg5.0000°,Azm50.0000° $M_0$6.91000×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 6s3 Moment tensor: Scale 10^{18}Nm; M_{rr}2.46 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-1.60 $M_{r\theta}$0.05 $M_{\theta\phi}$0.94 $M_{\phi r}$0.64 NP1:ϕ_s138.08000°,δ39.49000°,λ77.57000°. NP2:ϕ_s334.02000°,δ51.61000°,λ100.06000°. Principal axes: T 2.5686,Plg80.0000°,Azm289.0000°; N -0.2792,Plg8.0000°,Azm148.0000°; P -2.2894,Plg6.0000°,Azm57.0000° $M_0$2.44000×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 10s3 Moment tensor: Scale 10^{18}Nm; M_{rr}7.99 $M_{\theta\theta}$-3.28 $M_{\phi\phi}$-4.71 $M_{r\theta}$-0.61 $M_{\theta\phi}$3.89 $M_{\phi r}$0.75 NP1:ϕ_s320.30000°,δ48.45000°,λ90.10000°. NP2:ϕ_s140.15000°,δ41.55000°,λ89.89000°. Principal axes: T 8.0489,Plg87.0000°,Azm231.0000°; N -0.0439,Plg0.0000°,Azm140.0000°; P -8.0050,Plg3.0000°,Azm50.0000° $M_0$8.03000×10^{18}

ISC	**XI**	**28 22 19 11.7–.59**	**3.44S–.08**	**152.2E–.10**	**35**	**3.9b**	**31**	**1-152**
IDC	XI	28 22 19 05.6–.96	3.78S	152.63E	0	3.8,3.7b		**¶621625196**
NEIC	XI	28 22 19 09.4–1.9	3.36S–.05	152.1E–.10	10–1	4.5b,3.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**29 15 36 40.7–.82**	**3.6S–.10**	**151.21E–.10**	**35**	**3.9b**	**15**	**1-82**
IDC	XI	29 15 36 35.6–1.5	3.54S	151.32E	0	4.2s,3.6b		**¶621626979**
NEIC	XI	29 15 36 37.7–.58	3.5S–.10	151.23E–.08	10–1	4.6b,3.6b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XI**	**30 11 56 30.0–2.1**	**3.46S**	**150.63E**	**0**	**3.4b,3.4**		
								¶621627056

IDC Error ellipse: s-maj=157.2km s-min=31.0km az=124.0.

ISC	**XI**	**30 10 37 35.5–.33**	**3.63S–.05**	**151.30E–.06**	**10**	**5.7b**	**123**	**1-153**
IDC	XI	30 10 37 35.5–.71	3.59S	151.28E	0	5.8s,5.2b		**¶621627044**
NEIC	XI	30 10 37 35.5–1.2	3.63S–.08	151.35E–.07	10–1	5.8b,5.2b		
NEIC	XI	30 10 37 35.5	3.63S	151.35E	10	5.8b,5.2b		
NEIC	XI	30 10 37 43.1	3.13S	149.65E	16	6.1,5.2b		

ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=20.6km az=10.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.8km az=215.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.18 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.79 $M_{r\theta}$1.13 $M_{\theta\phi}$0.29 $M_{\phi r}$1.59 NP1:ϕ_s323.88000°,δ17.87000°,λ-164.28000°. NP2:ϕ_s218.89000°,δ85.23000°,λ-72.76000°. Principal axes: T 2.2702,Plg38.0000°,Azm293.0000°; N -0.3971,Plg17.0000°,Azm37.0000°; P -1.8731,Plg47.0000°,Azm147.0000° $M_0$2.10000×10^{18}

ISC	**XI**	**30 10 42 52.8–.53**	**3.79S–.10**	**151.45E–.09**	**10**	**4.5b**	**29**	**1-149**
IDC	XI	30 10 42 53.4–1.9	3.76S	151.17E	0	3.8b,3.8		**¶621627046**
NEIC	XI	30 10 42 53.2–1.0	3.8S–.10	151.46E–.08	10–1	4.6b,3.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**30 10 45 23.2–.56**	**3.35S–.07**	**151.02E–.07**	**10**	**4.2b**	**28**	**1-148**
IDC	XI	30 10 45 24.0–1.4	3.32S	150.74E	0	4.0,3.9b		**¶621627047**
NEIC	XI	30 10 45 23.6–1.1	3.34S–.08	151.02E–.07	10–1	4.5b,3.9b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XI**	**30 11 06 31.0–1.7**	**3.05S**	**150.91E**	**0**	**3.6b,3.6**		
								¶621627050

IDC Error ellipse: s-maj=57.7km s-min=27.5km az=112.0.

IDC	**XI**	**30 20 24 19.4–2.1**	**3.76S**	**150.64E**	**0**	**3.6b,3.6**		
								¶621627088

IDC Error ellipse: s-maj=81.9km s-min=25.5km az=113.0.

ISC	**XI**	**30 11 09 38.7–.35**	**3.71S–.05**	**151.48E–.05**	**10**	**4.7b**	**119**	**1-149**
NEIC	XI	30 11 09 37.9–.91	3.76S–.06	151.47E–.03	10–1	5.0b		**¶621499202**
IDC	XI	30 11 09 37.9–.74	3.71S	151.37E	0	4.3b,4.3		
DJA	XI	30 11 09 40.5–.40	4S–5.0	151E–5.0	10	4.5b,4.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**30 11 14 10.2–.31**	**3.62S–.05**	**151.24E–.05**	**10**	**5.0s,4.9b**	**204**	**1-156**
NEIC	XI	30 11 14 07.7–1.1	3.62S–.06	151.11E–.06	10–1	5.0b,4.9b		**¶621499198**
IDC	XI	30 11 14 08.3–.56	3.63S	151.21E	0	4.9s,4.5b		
GFZ	XI	30 11 14 12.1–.21	4S–3.0	151E–4.0	10	5.6b,5.1		
DJA	XI	30 11 14 12.1–.30	4S–4.0	151E–3.0	10	6.2b,5.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC	**XI**	**30 13 31 53.3–2.3**	**3.80S**	**151.14E**	**0**	**3.3b,3.3**		
								¶621627062

IDC Error ellipse: s-maj=203.6km s-min=29.9km az=125.0.

ISC	**XI**	**30 13 46 56.2–.39**	**3.50S–.06**	**150.95E–.06**	**35**	**4.6b,4.2s**	**146**	**1-99**
IDC	XI	30 13 46 51.5–.62	3.41S	150.78E	0	4.3b,4.3		**¶621532532**
NEIC	XI	30 13 46 52.3–1.0	3.51S–.09	151.12E–.07	10–1	4.9b,4.3		
GCMT	XI	30 13 46 57.0–.40	3.32S–.02	151.00E–.03	23–2	5.2W,4.3		
DJA	XI	30 13 46 57.2–.50	3S–4.0	151E–3.0	46–4	5.9b,5.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111301346A. Moment Tensor Solution. s7,c8; s74,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.89±.49 $M_{\theta\theta}$2.05±.35; $M_{\phi\phi}$-3.94±.41; $M_{r\theta}$-2.86±.56; $M_{\theta\phi}$5.23±.27; $M_{\phi r}$-0.68±.43; Best double couple: NP1:ϕ_s191.00000°,δ65.00000°,λ162.00000°. NP2:ϕ_s289.00000°,δ73.00000°,λ27.00000°. Principal axes: T 6.7340,Plg30.0000°,Azm152.0000°; N 0.3240,Plg59.0000°,Azm319.0000°; P -7.0590,Plg6.0000°,Azm59.0000° $M_0$6.89600×10^{16}

ISC	**XI**	**30 12 14 35.8–.45**	**3.53S–.03**	**151.28E–.04**	**17–2**	**5.6s,5.4b**	**1052**	**1-156**
BJI	XI	30 12 14 31.8	3.37S	151.74E	10	5.9b,5.6s		**¶621532515**
IDC	XI	30 12 14 33.2–.43	3.56S	151.19E	0	5.3s,5.0b		
NEIC	XI	30 12 14 34.4	3.55S	151.34E	10	5.3s,5.0b		
NEIC	XI	30 12 14 34.0–1.1	3.56S–.05	151.42E–.07	10–1	5.6,5.5b		
MOS	XI	30 12 14 35.1–1.4	3.56S	151.27E	13	5.6b,5.5s		
GFZ	XI	30 12 14 35.7–.12	4S–2.0	151E–2.0	10	6.1b,5.9		
GFZ	XI	30 12 14 35.7	3.51S	151.12E	16	5.8W,5.9		
DJA	XI	30 12 14 36.9–.20	4S–3.0	151E–2.0	10	6.2b,5.9		
PTWC	XI	30 12 14 36	3.60S	151.10E	10	6.0,5.9		
GCMT	XI	30 12 14 39.3–.10	3.51S–.01	151.14E–.01	17–0	5.8W,5.9		
NEIC	XI	30 12 14 45.8	3.55S	150.94E	16	5.8,5.9		

ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=10.6km az=85.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.4km az=238.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.5km s-min=4.6km az=109.2.
GFZ Error ellipse: s-maj=5.2km s-min=4.1km az=83.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07 $M_{\theta\theta}$5.71 $M_{\phi\phi}$-5.64 $M_{r\theta}$-0.48 $M_{\theta\phi}$0.64 $M_{\phi r}$-0.32 NP1:ϕ_s311.86140°,δ84.50508°,λ1.33354°. NP2:ϕ_s221.73368°,δ88.67259°,λ174.50360°. Principal axes: T 5.7877,Plg4.8238°,Azm176.6730°; N -0.0926,Plg84.3461°,Azm28.1977°; P -5.6951,Plg2.9423°,Azm266.9215° $M_0$5.74195×10^{17}

PTWC NEW IRELAND REGION, PAPUA NEW GUINEA.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111301214A. Moment Tensor Solution. s115,c177; s162,c464;Duration: 2s0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.05±.01 $M_{\theta\theta}$0.68±.01; $M_{\phi\phi}$-0.73±.01; $M_{r\theta}$0.01±.02; $M_{\theta\phi}$0.08±.01; $M_{\phi r}$-0.07±.02; Best double couple: NP1:ϕ_s42.00000°,δ86.00000°,λ-176.00000°. NP2:ϕ_s312.00000°,δ86.00000°,λ-4.00000°. Principal axes: T 0.6830,Plg0.0000°,Azm357.0000°; N 0.0580,Plg85.0000°,Azm89.0000°; P -0.7420,Plg5.0000°,Azm267.0000° $M_0$0.71200×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 3s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02 $M_{\theta\theta}$5.42 $M_{\phi\phi}$-4.40 $M_{r\theta}$-3.47 $M_{\theta\phi}$0.94 $M_{\phi r}$-0.55 NP1:ϕ_s312.79000°,δ69.43000°,λ13.16000°. NP2:ϕ_s218.09000°,δ77.69000°,λ158.93000°. Principal axes: T 7.0329,Plg24.0000°,Azm174.0000°; N -2.5262,Plg66.0000°,Azm9.0000°; P -4.5066,Plg6.0000°,Azm267.0000° $M_0$6.17000×10^{17}

ISC	**XI**	**30 16 21 37.9–.66**	**3.9S–.10**	**150.94E–.10**	**35**	**4.0b**	**20**	**1-87**
IDC	XI	30 16 21 34.3–2.1	3.80S	150.74E	0	3.8b,3.8		**¶621627070**
NEIC	XI	30 16 21 35.1–1.1	3.9S–.20	150.96E–.10	10–1	4.3b,3.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**01 04 50 40.7–.61**	**3.55S–.07**	**151.18E–.07**	**10**	**4.4b,3.5s**	**38**	**1-148**
IDC	XII	01 04 50 39.8–1.4	3.51S	151.20E	0	4.1b,4.1		**¶621629788**
NEIC	XII	01 04 50 41.1–1.8	3.59S–.09	151.18E–.05	10–1	4.6b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**30 16 29 53.4–.70**	**3.9S–.10**	**150.89E–.09**	**35**	**4.1b,3.0s**	**22**	**1-87**
IDC	XI	30 16 29 49.2–2.0	3.81S	150.79E	0	3.8b,3.8		**¶621627072**
NEIC	XI	30 16 29 50.4–2.2	3.7S–.10	150.83E–.07	10–1	4.3b,3.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**01 17 54 21.7–1.2**	**3.1S–.30**	**150.4E–.50**	**21**	**3.5b**	**6**	**23-148**
IDC	XII	01 17 54 18.7–1.3	3.15S	150.56E	0	3.7b,3.7		**¶621629840**

ISC Event type se.
IDC Error ellipse: s-maj=78.1km s-min=22.6km az=116.0.

IDC	**XII**	**03 10 17 51.8–3.6**	**4.86S**	**153.52E**	**0**	**3.4b,3.4**		
								¶621630588

IDC Error ellipse: s-maj=129.7km s-min=37.2km az=113.0.

IDC	**XII**	**02 16 34 03.5–2.6**	**2.85S**	**149.93E**	**0**	**3.2b,3.2**		
								¶621629895

IDC Error ellipse: s-maj=339.4km s-min=29.3km az=123.0.

IDC	**XII**	**02 08 58 17.1–2.1**	**3.66S**	**151.52E**	**0**	**3.5,3.4b**		
								¶621629878

IDC Error ellipse: s-maj=173.8km s-min=29.3km az=125.0.

ISC	**XII**	**02 09 09 13.2–.48**	**4.98S–.07**	**153.49E–.07**	**56**	**4.4b,3.3s**	**59**	**2-99**
NEIC	XII	02 09 09 14.0–2.2	5.1S–.10	153.46E–.08	52–7	4.6b,3.3s		**¶621629879**
IDC	XII	02 09 09 15.0–2.3	5.05S	153.49E	70–19	4.2,3.9b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.9km az=214.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.4km s-min=16.5km az=59.0.
ISC XII 02 18 19 03.2–1.8 3.6S–.30 151.0E–.40 35 3.5b,3.2s 8 11-148
IDC XII 02 18 18 58.4–1.9 3.47S 151.02E 0 3.6b,3.6 **¶621629900**
ISC Event type se.
IDC Error ellipse: s-maj=64.7km s-min=25.2km az=116.0.
IDC XII 17 11 30 23.7–2.3 3.94S 153.01E 0 3.6b,3.6
¶621656932
IDC Error ellipse: s-maj=157.9km s-min=31.5km az=126.0.
ISC XII 17 03 44 52.2–.51 5.00S–.06 153.60E–.08 56 4.7b,3.3s 65 2-98
IDC XII 17 03 44 50.8–2.4 4.93S 153.60E 47–20 4.4,4.2b **¶621631532**
NEIC XII 17 03 44 54.7–1.2 4.96S–.09 153.52E–.09 77–6 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 05 23 36 14.8–.66 4.8S–.10 153.3E–.10 10 4.2b 34 1-151
IDC XII 05 23 36 13.6–.84 4.64S 153.07E 0 4.0b,4.0 **¶621631281**
NEIC XII 05 23 36 15.4–1.8 4.8S–.10 153.32E–.06 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 06 17 43 47.5–.60 4.23S–.08 153.87E–.10 300 3.8b 52 2-151
NEIC XII 06 17 43 48.2–2.7 4.2S–.10 153.9E–.10 303–5 4.2b **¶621632609**
IDC XII 06 17 43 54.0–2.2 4.27S 153.84E 361–22 4.1,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=17.4km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.6km s-min=11.0km az=109.0.
ISC XII 07 20 55 09.3–.38 4.65S–.04 153.55E–.05 61–3 4.8b 230 1-151
BJI XII 07 20 55 07.5 4.44S 153.92E 59 5.1b,4.6b **¶621618804**
NEIC XII 07 20 55 08.0–1.4 4.68S–.07 153.58E–.06 45–6 4.9b,4.6b
IDC XII 07 20 55 09.1–1.7 4.68S 153.54E 52–14 4.3,4.0b
GFZ XII 07 20 55 10.8–.29 5S–5.0 153E–6.0 66–2 5.4L,4.7b
DJA XII 07 20 55 12.4–.60 5S–10 153E–7.0 62–9 5.4b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 15 02 06 51.5–.61 3.77S–.07 153.47E–.08 150 4.6b 106 1-98
DJA XII 15 02 06 52.8–1.5 4S–10 153E–12 158–6 5.2b,4.9 **¶621630199**
IDC XII 15 02 06 53.0–.97 3.77S 153.36E 166–7 4.5,4.0b
NEIC XII 15 02 06 53.8–1.6 3.73S–.08 153.24E–.07 172–7 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 18 08 49 21.6–2.3 5.50S 153.53E 0 3.5b,3.5
¶621656986
IDC Error ellipse: s-maj=85.3km s-min=34.6km az=109.0.
IDC XII 22 01 40 37.8–2.1 3.80S 151.87E 0 3.5b,3.5
¶621686735
IDC Error ellipse: s-maj=177.1km s-min=32.4km az=129.0.
IDC XII 23 19 14 32.1–2.2 5.51S 153.63E 0 3.6b,3.6
¶621686843
IDC Error ellipse: s-maj=65.3km s-min=40.6km az=105.0.
ISC XII 22 02 20 39.3–.43 5.63S–.06 153.86E–.07 35 4.7b,3.5s 100 2-120
IDC XII 22 02 20 34.3–.69 5.48S 153.88E 0 4.4b,4.4 **¶621637447**
BJI XII 22 02 20 38.8 5.32S 154.02E 37 5.1b,4.8b
NEIC XII 22 02 20 40.4–1.3 5.60S–.08 153.94E–.07 41–7 4.7b,4.8b
DJA XII 22 02 20 46.4–1.4 6S–4.0 152E–10 33–12 7.3,7.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 03 05 44.2–.62 5.61S–.08 153.89E–.10 74 4.2b 33 2-91
IDC XII 22 03 05 35.5–1.3 5.56S 153.72E 0 3.8b,3.8 **¶621686739**
NEIC XII 22 03 05 40.1–1.7 5.59S–.09 154.11E–.09 35–2 4.7b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 27 15 47 07.9–5.0 3.03S 150.67E 0 3.5b,3.5
¶621717322
IDC Error ellipse: s-maj=155.1km s-min=35.9km az=103.0.
ISC XII 31 19 26 02.4–.67 5.2S–.10 153.8E–.10 50 4.3b 46 2-90
IDC XII 31 19 26 02.5–1.1 5.27S 153.73E 52–7 4.0,3.7b **¶621726078**
NEIC XII 31 19 26 03.4–1.4 5.2S–.10 153.8E–.10 57–8 4.5b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 21 08 22.1–.60 3.8S–.10 151.19E–.08 35 4.1b,3.8s 43 1-99
IDC XII 30 21 08 16.8–1.2 3.69S 151.21E 0 3.9b,3.9 **¶621726028**
NEIC XII 30 21 08 17.6–1.3 3.8S–.10 151.24E–.07 3–5 4.5b,3.9
GCMT XII 30 21 08 20.8–.30 3.47S–.02 151.03E–.03 18–1 4.8W,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112302108A. Moment Tensor Solution. s11,c14; s69,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.32±.19 $M_{\theta\theta}$2.02±.12; $M_{\phi\phi}$-0.70±.10; $M_{r\theta}$0.07±.17; $M_{\theta\phi}$0.39±.07; $M_{\phi r}$0.15±.28; Best double couple: NP1:ϕ_s95.00000°,δ45.00000°,λ-71.00000°. NP2:ϕ_s250.00000°,δ48.00000°,λ-108.00000°. Principal axes:
T 2.0760,Plg1.0000°,Azm352.0000°; N -0.7210,Plg13.0000°,Azm262.0000°
; P -1.3540,Plg77.0000°,Azm88.0000° $M_0$1.71500×10^{16}

(191) North of Solomon Islands.

IDC VIII 28 22 00 35.2–7.4 3.57S 155.12E 0 3.6b,3.6
¶621073136
IDC Error ellipse: s-maj=223.6km s-min=41.8km az=105.0.

(192) New Britain region.

IDC VII 02 06 33 16.1–1.8 6.95S 152.16E 0 4.0,3.9b
¶620927728
IDC Error ellipse: s-maj=47.6km s-min=17.1km az=108.0.
ISC VII 02 06 59 41.5–.34 4.41S–.04 151.67E–.04 216–2 5.0b 500 0-157
BJI VII 02 06 59 38.9 4.54S 152.12E 226 4.8b,4.7b **¶620697802**
IDC VII 02 06 59 41.3–.36 4.46S 151.72E 215–3 5.0,4.5b
DJA VII 02 06 59 41.9–.30 4S–4.0 152E–4.0 212–3 5.4b,5.2b
NEIC VII 02 06 59 42.1–1.4 4.42S–.09 151.71E–.07 216–5 5.0b,5.2b
GCMT VII 02 06 59 43.5–.30 4.49S–.02 151.67E–.02 223–2 5.1W,5.2b
GFZ VII 02 06 59 44.5–1.1 4S–4.0 152E–4.0 238–10 5.0,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107020659A. Moment Tensor Solution. s36,c43; s103,c129; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.10±.18 $M_{\theta\theta}$1.56±.18; $M_{\phi\phi}$-1.67±.18; $M_{r\theta}$2.50±.15; $M_{\theta\phi}$-1.17±.22; $M_{\phi r}$-4.25±.15; Best double couple: NP1:ϕ_s61.00000°,δ22.00000°,λ179.00000°. NP2:ϕ_s151.00000°,δ90.00000°,λ68.00000°. Principal axes:
T 5.4310,Plg41.0000°,Azm40.0000°; N -0.2380,Plg22.0000°,Azm151.0000°
; P -5.2010,Plg41.0000°,Azm262.0000° $M_0$5.31600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 02 13 01 40.9–.51 4.97S–.07 152.46E–.09 55 4.2b,2.9s 43 1-151
IDC VII 02 13 01 39.9–2.1 4.97S 152.45E 44–17 4.0,3.8b **¶620927751**
NEIC VII 02 13 01 40.4–1.6 4.99S–.06 152.5E–.10 42–5 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 03 12 31 31.2–1.4 5.57S 150.80E 0 3.4,3.3b
¶620927805
IDC Error ellipse: s-maj=107.1km s-min=16.9km az=134.0.
IDC VII 03 17 50 14.7–5.7 4.83S 152.96E 0 3.2b,3.2
¶620927825
IDC Error ellipse: s-maj=173.2km s-min=41.0km az=107.0.
IDC VII 04 14 38 31.3–6.1 5.82S 149.14E 0 3.1,3.0b
¶620927883
IDC Error ellipse: s-maj=183.8km s-min=38.3km az=105.0.
IDC VII 04 19 34 38.4–1.5 6.34S 150.11E 0 3.4b,3.4
¶620927900
IDC Error ellipse: s-maj=100.8km s-min=30.3km az=125.0.
ISC VII 06 06 49 07.6–.44 4.87S–.07 152.81E–.08 43 4.3b,3.4s 70 1-151
IDC VII 06 06 49 01.0–.69 4.79S 152.98E 0 4.2b,4.2 **¶620928010**
NEIC VII 06 06 49 09.2–2.0 4.80S–.09 152.78E–.08 47–5 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 06 17 30 13.7–1.3 4.0S–.30 153.0E–.10 35 4.0b 8 1-86
IDC VII 06 17 30 16.9–1.9 3.91S 152.63E 65–13 4.1,3.8b **¶620928052**
ISC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=24.4km az=127.0.
IDC VII 06 17 56 06.9–1.5 5.50S 148.19E 0 4.4L,3.9
¶620928054
IDC Error ellipse: s-maj=78.2km s-min=29.6km az=122.0.
IDC VII 07 04 03 00.2–7.5 6.79S 148.23E 0 3.5L,3.5b
¶620928081
IDC Error ellipse: s-maj=118.8km s-min=78.7km az=173.0.
ISC VII 08 23 53 10.4–.37 5.06S–.04 150.39E–.04 302–3 4.7b 332 2-153
BJI VII 08 23 53 04.9 5.38S 150.98E 300 4.7b,4.6b **¶620783816**
NEIC VII 08 23 53 10.7–1.4 5.04S–.09 150.39E–.07 298–2 4.7b,4.6b
IDC VII 08 23 53 10.3–.44 5.13S 150.42E 300–3 4.8,4.1b
GFZ VII 08 23 53 11.7–.19 5S–2.0 150E–3.0 324 4.7b,4.6
DJA VII 08 23 53 11.0–.40 5S–5.0 150E–4.0 293–5 5.3b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC VII 09 03 20 58.3–1.2 5.28S 150.10E 0 3.9,3.8b
¶620928218
IDC Error ellipse: s-maj=63.5km s-min=16.4km az=145.0.
ISC VII 09 11 40 59.9–.20 6.38S–.04 150.17E–.04 43 5.2b,4.5s 815 3-155
GFZ VII 09 11 40 56.2–.15 6S–2.0 150E–3.0 10 5.3,5.2b **¶621112221**
MOS VII 09 11 40 57.7–1.2 6.29S 150.06E 34 5.2b,4.8s
NEIC VII 09 11 40 58.6–1.1 6.32S–.06 150.12E–.07 28–4 5.3b,4.8s
NEIC VII 09 11 40 58.6 6.31S 150.12E 28 5.3b,4.8s
NEIC VII 09 11 40 59.2 6.31S 150.12E 30 5.2,4.8s
IDC VII 09 11 41 00.8–1.2 6.37S 150.09E 53–9 4.8,4.5b
GCMT VII 09 11 41 00.0–.10 6.53S–.01 150.21E–.01 26–0 5.3W,4.5b
DJA VII 09 11 41 05.1–.50 7S–3.0 150E–4.0 71–4 5.8b,5.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}4.52 $M_{\theta\theta}$4.24 $M_{\phi\phi}$-8.76 $M_{r\theta}$3.16 $M_{\theta\phi}$-2.28 $M_{\phi r}$-3.31 NP1:ϕ_s45.92000°,δ49.49000°,λ151.30000°. NP2:ϕ_s155.50000°,δ68.59000°,λ44.25000°. Principal axes:
T 8.4631,Plg46.0000°,Azm19.0000°; N 1.2487,Plg42.0000°,Azm176.0000°
; P -9.7118,Plg12.0000°,Azm277.0000° $M_0$9.15000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107091140A. Moment Tensor Solution. s90,c132; s140,c254;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.38±.02 $M_{\theta\theta}$0.51±.01; $M_{\phi\phi}$-0.89±.01; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$-0.30±.03; Best double couple: NP1:ϕ_s47.00000°,δ54.00000°,λ155.00000°. NP2:ϕ_s152.00000°,δ70.00000°,λ39.00000°.
Principal axes: T 1.0640,Plg41.0000°,Azm15.0000°; N -0.0880,Plg47.0000°,Azm175.0000°
; P -0.9760,Plg10.0000°,Azm276.0000° $M_0$1.02000×10^{17}
ISC VII 09 21 11 57.4–.51 6.31S–.07 149.21E–.09 53 4.5b 38 11-85
IDC VII 09 21 11 51.7–2.0 6.21S 149.24E 0 4.5L,3.8 **¶620928284**
NEIC VII 09 21 11 56.2–1.4 6.25S–.10 149.3E–.10 35–6 4.6b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 23 08 20.3–.56 6.12S–.09 150.8E–.10 43 3.9b 36 2-89
NEIC VII 10 23 08 16.5–2.0 6.14S–.09 150.9E–.10 10–1 4.4b **¶620928384**
IDC VII 10 23 08 23.5–2.2 5.98S 150.59E 66–22 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=4.7km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.6km s-min=13.6km az=111.0.
IDC VII 12 04 05 37.5–2.0 5.65S 150.29E 0 3.8b,3.8
¶620928461
IDC Error ellipse: s-maj=73.6km s-min=22.8km az=115.0.
ISC VII 13 07 21 36.4–.71 6.0S–.20 150.6E–.20 48 4.1b 24 2-149
IDC VII 13 07 21 29.9–1.0 5.99S 150.74E 0 3.9b,3.9 **¶620928523**
NEIC VII 13 07 21 35.5–2.8 6.1S–.10 150.6E–.10 35–2 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 14 10 26 52.5–2.1 5.88S 151.55E 0 4.0,3.9b
¶620928585
IDC Error ellipse: s-maj=117.5km s-min=28.7km az=130.0.
ISC VII 14 23 24 30.1–2.2 4.8S–.30 151.9E–.50 70 3.6b 6 23-83
IDC VII 14 23 24 21.1–2.4 4.67S 151.92E 0 3.7b,3.7 **¶620928616**
ISC Event type se.
IDC Error ellipse: s-maj=86.5km s-min=25.0km az=114.0.
IDC VII 14 23 43 26.6–2.2 4.59S 150.06E 0 3.4,3.3b
¶620928617
IDC Error ellipse: s-maj=94.6km s-min=28.8km az=117.0.
IDC VII 16 20 56 25.7–13 6.01S 148.59E 0 3.9b,3.7L
¶620928731
IDC Error ellipse: s-maj=200.1km s-min=85.9km az=19.0.
IDC VII 17 00 56 33.5–2.0 5.63S 151.00E 0 3.6,3.5b
¶620928741
IDC Error ellipse: s-maj=159.4km s-min=28.2km az=126.0.
ISC VII 17 09 51 12.2–1.1 4.8S–.20 152.6E–.20 55 3.6b 6 22-89
IDC VII 17 09 51 12.5–10 4.80S 152.59E 59–101 3.8,3.5b **¶620928765**
ISC Event type se.
IDC Error ellipse: s-maj=43.0km s-min=33.2km az=166.0.
ISC VII 17 16 13 40.9–.86 7.0S–.10 150.3E–.20 26 3.8b,2.9s 11 10-148
IDC VII 17 16 13 36.7–.93 6.95S 150.33E 0 3.8,3.7b **¶620928776**
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=19.8km az=89.0.
IDC VII 17 19 53 04.5–2.0 6.13S 149.35E 0 3.7,3.6b
¶620928784
IDC Error ellipse: s-maj=99.6km s-min=27.6km az=129.0.
IDC VII 19 16 49 21.7–5.4 5.06S 148.59E 0 3.7,3.6b
¶620928880
IDC Error ellipse: s-maj=164.7km s-min=33.3km az=103.0.
ISC VII 18 00 05 03.4–.77 4.95S–.08 152.4E–.20 55 4.1b,4.0s 28 1-96
IDC VII 18 00 04 55.5–.96 4.81S 152.42E 0 4.0b,4.0 **¶620928796**
NEIC VII 18 00 05 04.1–.68 4.90S–.07 152.4E–.20 60–8 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 00 28 56.7–.35 7.18S–.05 149.44E–.06 10 4.9b,3.5s 233 3-154
IDC VII 18 00 28 55.0–.55 7.13S 149.45E 0 4.6L,4.5b **¶620833217**
GFZ VII 18 00 28 57.0–.32 7S–4.0 149E–5.0 10 5.0b,5.0
DJA VII 18 00 28 57.7–.40 7S–6.0 150E–6.0 10 6.0b,5.6

NEIC VII 18 00 28 57.2–1.2 7.17S–.04 149.48E–.06 11–4 4.9b,5.6
BJI VII 18 00 28 57.1 6.93S 149.18E 7 4.9b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=11.9km az=91.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.8km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 10 58 21.7–.75 5.39S–.08 148.37E–.08 250 4.0b 28 3-85
IDC VII 24 10 58 21.1–2.0 5.25S 148.20E 240–21 4.2,3.3b **¶620845665**
NEIC VII 24 10 58 22.4–1.6 5.51S–.09 148.4E–.10 235–9 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 23 02 08.5–.25 5.09S–.03 152.27E–.03 40–1 5.6b,5.0s 1222 1-157
BJI VII 19 23 02 04.2 5.13S 152.52E 33 5.4b,5.3s **¶621112251**
MOS VII 19 23 02 05.2–.81 4.98S 152.16E 23 5.5b,5.3s
GFZ VII 19 23 02 05.8 5.04S 152.14E 42 5.5W,5.3s
IDC VII 19 23 02 08.0–1.1 5.07S 152.34E 34–7 5.1,4.9b
NEIC VII 19 23 02 08.8 5.04S 152.14E 30 5.1,4.9b
NEIC VII 19 23 02 08.5–1.1 5.03S–.07 152.19E–.09 30–3 5.7b,5.5
GFZ VII 19 23 02 08.9–.33 5S–3.0 152E–2.0 38–2 5.4b,5.4
DJA VII 19 23 02 09.7–.30 5S–3.0 152E–3.0 52–2 5.8b,5.7
PTWC VII 19 23 02 10 5.00S 152.20E 60 5.7,5.7
GCMT VII 19 23 02 12.3–.10 5.25S–.01 152.24E–.01 46–0 5.6W,5.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.77 $M_{\theta\theta}$-1.70 $M_{\phi\phi}$-0.06 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.55 $M_{\phi r}$-0.41 NP1: ϕ_s89.29353°,δ54.38592°,λ110.20507°. NP2:ϕ_s237.00059°,δ40.27679°,λ64.25789°. Principal axes: T 1.9940,Plg72.0336°,Azm51.6425°; N -0.0622,Plg16.3068°,Azm257.1974°; P -1.9318,Plg7.3372°,Azm165.0385° M_o1.96365×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.19 $M_{\theta\theta}$-2.10 $M_{\phi\phi}$-0.09 $M_{r\theta}$0.85 $M_{\theta\phi}$-0.94 $M_{\phi r}$-0.11 NP1:ϕ_s237.14000°,δ37.19000°,λ72.12000°. NP2:ϕ_s79.19000°,δ54.89000°,λ103.12000°. Principal axes: T 2.3896,Plg76.0000°,Azm31.0000°; N 0.2007,Plg11.0000°,Azm252.0000°; P -2.5903,Plg9.0000°,Azm160.0000° M_o2.50000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC NEW BRITAIN REGION, PAPUA NEW GUINEA.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107192302A. Moment Tensor Solution. s152,c292; s154,c293;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.89±.03 $M_{\theta\theta}$-2.88±.02; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$1.12±.03; $M_{\theta\phi}$-0.85±.02; $M_{\phi r}$-0.22±.02; Best double couple: NP1: ϕ_s245.00000°,δ36.00000°,λ74.00000°. NP2:ϕ_s84.00000°,δ55.00000°,λ101.00000°. Principal axes: T 3.1450,Plg77.0000°,Azm31.0000°; N 0.1440,Plg9.0000°,Azm258.0000°; P -3.2860,Plg10.0000°,Azm166.0000° M_o3.21500×10^{17}
ISC VII 24 11 15 24.5–1.2 5.6S–.20 150.9E–.40 65 3.9b 6 21-84
IDC VII 24 11 15 15.8–1.3 5.59S 150.99E 0 3.9b,3.9 **¶620970210**
ISC Event type se.
IDC Error ellipse: s-maj=51.5km s-min=23.6km az=108.0.
IDC VII 25 10 07 05.7–3.4 6.58S 148.06E 0 4.2L,4.0b
¶620973758
IDC Error ellipse: s-maj=95.1km s-min=20.7km az=145.0.
ISC VII 29 04 05 38.2–.65 5.0S–.10 151.7E–.20 50 4.3b 38 1-149
NEIC VII 29 04 05 39.7–1.1 5.0S–.10 151.7E–.20 62–9 4.4b **¶620984036**
IDC VII 29 04 05 45.9–9.4 5.13S 151.67E 124–87 3.8,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=10.1km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.5km s-min=33.9km az=131.0.
IDC VII 31 11 03 26.7–1.8 6.15S 148.98E 0 4.3L,3.9
¶620986118
IDC Error ellipse: s-maj=103.9km s-min=23.7km az=121.0.
ISC VII 30 20 05 52.6–.41 7.82S–.06 151.35E–.07 10 4.8b 115 4-150
BJI VII 30 20 05 49.8 7.90S 151.30E 5 4.8b,4.6b **¶620923865**
IDC VII 30 20 05 51.5–.68 7.84S 151.31E 0 4.2b,4.2
GFZ VII 30 20 05 52.1–.27 8S–4.0 151E–4.0 10 4.7b,4.7
NEIC VII 30 20 05 53.6–2.2 7.80S–.04 151.4E–.10 10–1 4.9b,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 29 00 27 53.5–5.6 7.06S 149.70E 0 3.7L,3.6
¶620984030
IDC Error ellipse: s-maj=159.8km s-min=38.2km az=107.0.
ISC VIII 02 08 40 09.6–.79 7.1S–.10 153.8E–.20 150 3.8b 16 14-152
IDC VIII 02 08 40 11.9–4.8 7.13S 153.83E 171–43 4.0,3.5b **¶620993226**
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=18.4km az=77.0.
IDC VII 31 22 24 35.4–2.2 5.38S 151.02E 0 3.5b,3.5
¶620986156
IDC Error ellipse: s-maj=119.8km s-min=29.7km az=127.0.
IDC VIII 05 22 24 03.0–2.2 5.03S 152.38E 0 3.9,3.8b
¶620998836
IDC Error ellipse: s-maj=85.7km s-min=26.9km az=122.0.
ISC VIII 04 21 58 23.7–15 4S–2.0 152E–2.0 35 3.8b 6 0-83
IDC VIII 04 21 58 17.4–18 3.97S 152.82E 0 3.8b,3.8 **¶620997330**
ISC Event type se.
IDC Error ellipse: s-maj=771.6km s-min=314.3km az=86.0.
ISC VIII 07 20 05 26.0–1.1 6.9S–.10 153.7E–.20 30 3.8b 17 7-86
NEIC VIII 07 20 05 23.0–1.7 7.1S–.10 153.9E–.20 10–2 4.2b **¶621000733**
IDC VIII 07 20 05 24.9–3.0 6.53S 152.95E 0 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.5km s-min=17.6km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=91.7km s-min=24.4km az=105.0.
ISC VIII 08 14 14 14.5–.59 6.33S–.09 151.6E–.10 30 4.3b 30 2-87
IDC VIII 08 14 14 09.5–1.4 6.03S 151.22E 0 4.1,4.0b **¶621002131**
NEIC VIII 08 14 14 12.4–1.1 6.34S–.05 151.6E–.10 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 09 10 06 53.1–.46 5.20S–.06 151.54E–.07 100 4.2b 58 1-124
NEIC VIII 09 10 06 55.3–1.8 5.18S–.08 151.60E–.08 118–7 4.3b **¶621007253**
IDC VIII 09 10 06 56.4–4.5 5.23S 151.57E 138–41 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=11.5km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.9km s-min=14.0km az=72.0.
ISC VIII 09 21 00 34.1–.58 5.55S–.08 151.5E–.10 10 4.3b 35 2-94
IDC VIII 09 21 00 32.7–.84 5.52S 151.52E 0 4.1b,4.1 **¶621007285**
NEIC VIII 09 21 00 35.9–1.5 5.53S–.06 151.50E–.09 19–3 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 09 21 08 58.8–.67 5.40S–.09 151.1E–.10 65 4.2b 37 1-120
IDC VIII 09 21 08 49.9–.91 5.30S 151.25E 0 4.1,4.0b **¶621007286**
NEIC VIII 09 21 09 00.2–1.8 5.4S–.10 151.1E–.10 78–7 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 09 22 28 57.8–.60 5.05S–.10 151.6E–.10 150 4.4b 37 1-124
IDC VIII 09 22 28 39.2–.97 4.89S 151.82E 0 4.0b,4.0 **¶621007292**
NEIC VIII 09 22 28 57.9–1.7 5.1S–.10 151.7E–.10 147–7 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 13 09 04 49.2–4.1 6.10S 149.25E 0 3.8L,3.7b
¶621012102
IDC Error ellipse: s-maj=131.1km s-min=50.4km az=117.0.
IDC VIII 11 09 46 39.1–3.6 6.18S 150.46E 0 3.7,3.6b
¶621009331
IDC Error ellipse: s-maj=129.5km s-min=48.4km az=118.0.
ISC VIII 11 07 33 21.3–5.1 5.9S–.40 148E–1.0 60 3.9b 6 19-146
IDC VIII 11 07 33 09.9–3.7 6.03S 148.95E 0 4.0b,3.9 **¶621009321**
ISC Event type se.
IDC Error ellipse: s-maj=112.3km s-min=26.9km az=109.0.
IDC VIII 17 15 30 27.6–3.7 5.20S 151.82E 0 4.5,4.4b
¶621030280
IDC Error ellipse: s-maj=137.7km s-min=50.6km az=118.0.
ISC VIII 14 14 31 19.7–.43 5.59S–.06 152.97E–.07 10 4.6b 98 2-151
IDC VIII 14 14 31 18.0–.52 5.53S 152.99E 0 5.6s,4.4b **¶620986727**
NEIC VIII 14 14 31 19.9–1.7 5.58S–.07 153.1E–.10 10–1 4.6b,4.4b
DJA VIII 14 14 31 20.6–.80 6S–6.0 153E–11 10 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 15 17 09 57.9–1.1 5.04S 151.05E 0 4.0,3.9b
¶621023638
IDC Error ellipse: s-maj=77.8km s-min=12.1km az=140.0.
IDC VIII 15 17 27 02.0–.83 4.80S 151.55E 95–14 4.0,3.7b
¶621023641
IDC Error ellipse: s-maj=53.3km s-min=25.4km az=117.0.
IDC VIII 14 19 43 04.8–4.8 6.07S 149.45E 0 4.0,3.9b
¶621013546
IDC Error ellipse: s-maj=134.5km s-min=36.9km az=104.0.
IDC VIII 16 21 52 52.8–2.1 6.22S 149.34E 0 3.9L,3.6
¶621030209
IDC Error ellipse: s-maj=119.0km s-min=30.9km az=124.0.
ISC VIII 17 01 16 00.4–.36 6.53S–.05 153.07E–.06 10 4.8b,3.7s 145 2-151
BJI VIII 17 01 15 57.0 6.60S 153.20E 10 5.2b,4.9b **¶620990407**
IDC VIII 17 01 15 58.8–.58 6.56S 152.79E 0 4.3b,4.3
NEIC VIII 17 01 16 00.5–1.8 6.52S–.06 153.0E–.10 10–1 4.9b,4.3
DJA VIII 17 01 16 00.6–.20 7S–3.0 153E–2.0 10 6.7b,6.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 04 24 53.4–.86 5.87S–.09 148.66E–.09 100 4.2b 23 4-147
NEIC VIII 24 04 24 54.0–.84 5.9S–.10 148.70E–.03 107–14 4.3b **¶621049289**
IDC VIII 24 04 24 54.7–3.2 5.84S 148.65E 107–25 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=4.4km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.0km s-min=19.0km az=119.0.
IDC VIII 21 10 39 00.6–1.8 5.88S 148.62E 0 4.2L,3.8
¶621042984
IDC Error ellipse: s-maj=102.6km s-min=23.6km az=119.0.
IDC VIII 21 17 49 49.9–2.0 6.30S 150.19E 0 3.8,3.7b
¶621043008
IDC Error ellipse: s-maj=81.5km s-min=34.4km az=113.0.
IDC VIII 18 19 21 40.4–3.3 6.49S 149.91E 0 3.5,3.4b
¶621030406
IDC Error ellipse: s-maj=87.0km s-min=50.3km az=106.0.
IDC VIII 21 07 48 10.3–6.5 5.16S 151.02E 0 3.4,3.3b
¶621042976
IDC Error ellipse: s-maj=199.6km s-min=40.2km az=104.0.
IDC VIII 28 11 47 47.5–2.2 5.57S 152.29E 0 3.7b,3.7
¶621073104
IDC Error ellipse: s-maj=121.0km s-min=28.8km az=130.0.
IDC VIII 27 17 06 02.3–4.6 5.37S 148.85E 0 3.7b,3.7
¶621072167
IDC Error ellipse: s-maj=123.8km s-min=32.4km az=104.0.
ISC VIII 27 14 52 53.3–.50 5.33S–.06 151.91E–.08 100 4.3b 57 1-150
IDC VIII 27 14 52 53.8–6.0 5.17S 151.83E 96–53 4.2,3.9b **¶621009730**
NEIC VIII 27 14 52 53.7–.93 5.33S–.06 151.96E–.09 97–5 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 01 18 36 50.0–3.7 6.38S 149.58E 0 4.2,4.1b
¶621080638
IDC Error ellipse: s-maj=127.4km s-min=47.9km az=115.0.
ISC VIII 28 16 40 59.6–2.2 5.6S–.30 152.6E–.50 40 3.6b 7 23-84
IDC VIII 28 16 40 53.8–2.2 5.50S 152.58E 0 3.8s,3.7b **¶621073122**
ISC Event type se.
IDC Error ellipse: s-maj=83.9km s-min=22.7km az=118.0.
IDC VIII 29 04 14 50.4–2.7 6.21S 150.00E 0 3.7,3.6b
¶621073152
IDC Error ellipse: s-maj=127.7km s-min=25.9km az=118.0.
ISC IX 02 05 46 29.4–1.2 4.9S–.20 152.2E–.20 35 4.1b 16 16-150
IDC IX 02 05 46 21.2–2.5 4.38S 152.29E 0 4.0b,4.0 **¶621080660**
NEIC IX 02 05 46 30.2–.61 4.9S–.10 152.3E–.20 38–14 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 03 07 41 06.9–2.4 6.76S 148.13E 0 3.6L,3.5b
¶621081552
IDC Error ellipse: s-maj=253.4km s-min=29.4km az=125.0.
ISC IX 02 16 58 04.3–.43 5.53S–.06 150.85E–.07 65 4.3b 114 2-89
IDC IX 02 16 57 54.3–.93 5.53S 151.33E 0 4.1b,4.1 **¶621080694**
NEIC IX 02 16 58 07.7–2.1 5.61S–.06 150.99E–.07 100–7 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 03 03 35 47.0–2.0 5.35S 150.97E 0 4.0b,4.0
¶621081545
IDC Error ellipse: s-maj=133.5km s-min=33.1km az=136.0.
ISC IX 04 02 29 22.2–.52 5.46S–.07 150.99E–.08 100 4.0b 45 2-152
IDC IX 04 02 29 24.6–2.8 5.39S 150.87E 127–24 4.1,3.7b **¶621081614**
NEIC IX 04 02 29 24.9–1.1 5.45S–.08 151.02E–.06 124–6 4.1b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 04 56 38.4–.44 6.37S–.06 150.98E–.08 10 4.9b,3.6s 100 2-151
IDC IX 11 04 56 36.3–.57 6.30S 150.94E 0 4.3b,4.3 **¶621069034**
GFZ IX 11 04 56 36.3–.32 6S–4.0 151E–5.0 10 5.5b,4.9
NEIC IX 11 04 56 38.3–2.1 6.38S–.08 151.08E–.10 10–1 5.0b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 06 18 26 29.8–2.0 4.53S 152.37E 0 3.6,3.5b
¶621094273
IDC Error ellipse: s-maj=67.8km s-min=28.5km az=122.0.
ISC IX 10 05 10 03.1–.50 5.52S–.07 152.9E–.10 10 4.5b,3.7s 60 1-151
IDC IX 10 05 10 01.5–.65 5.46S 152.89E 0 4.3b,4.3 **¶621108485**
NEIC IX 10 05 10 03.7–1.1 5.53S–.07 152.9E–.10 10–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 21 04 29.1–.63 6.2S–.10 148.1E–.10 60 4.4b 25 18-80
IDC IX 12 21 04 19.7–5.2 6.18S 148.35E 0 3.8L,3.6b **¶621109677**
NEIC IX 12 21 04 31.1–1.4 6.1S–.10 148.1E–.10 70–5 4.4b,3.6b

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 12 17 52 47.4–1.7 5.82S 151.98E 0 3.7,3.6b
¶621109669
IDC Error ellipse: s-maj=89.7km s-min=32.3km az=128.0.
ISC IX 17 09 17 57.2–.55 6.02S–.08 151.3E–.10 41 4.2b,3.3s 40 2-149
IDC IX 17 09 17 50.1–.85 5.83S 151.34E 0 4.1b,4.1 **¶621112951**
NEIC IX 17 09 17 53.9–1.5 6.06S–.09 151.4E–.10 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 14 21 17 01.3–2.9 6.91S 148.63E 0 4.6L,4.2
¶621110850
IDC Error ellipse: s-maj=44.3km s-min=25.9km az=129.0.
ISC IX 16 21 58 12.9–2.0 5.0S–.10 152.7E–.30 35 4.1b 17 1-150
IDC IX 16 21 58 08.7–3.4 4.72S 152.27E 0 4.0b,4.0 **¶621112911**
NEIC IX 16 21 58 14.6–2.6 5.01S–.06 152.54E–.05 35–2 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 15 21 56 50.2–.53 4.94S–.07 152.4E–.10 55 4.3b,3.2s 48 1-99
IDC IX 15 21 56 42.3–.73 4.91S 152.46E 0 4.2b,4.2 **¶621112012**
NEIC IX 15 21 56 50.2–1.3 4.93S–.08 152.5E–.10 51–7 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 25 22 30 15.5–2.0 5.97S 149.54E 0 3.6,3.5b
¶621131473
IDC Error ellipse: s-maj=141.4km s-min=29.6km az=125.0.
IDC IX 18 08 59 09.4–1.6 5.82S 152.11E 0 3.7b,3.7
¶621113556
IDC Error ellipse: s-maj=85.9km s-min=27.4km az=121.0.
IDC IX 24 02 28 32.5–2.0 5.19S 152.12E 0 3.8,3.7b
¶621126402
IDC Error ellipse: s-maj=74.1km s-min=23.5km az=120.0.
ISC IX 25 05 00 51.9–.52 5.49S–.08 152.0E–.10 45 4.2b,3.2s 43 1-150
NEIC IX 25 05 00 49.2–1.2 5.55S–.09 152.0E–.10 10–1 4.5b,3.2s **¶621131435**
IDC IX 25 05 00 55.2–3.3 5.47S 151.90E 75–28 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=9.5km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=16.8km az=92.0.
IDC IX 18 17 26 19.4–6.7 4.45S 150.31E 0 3.1,3.0b
¶621113582
IDC Error ellipse: s-maj=208.8km s-min=39.5km az=103.0.
IDC IX 20 06 48 10.8–3.6 4.60S 152.06E 0 3.5b,3.5
¶621115982
IDC Error ellipse: s-maj=151.6km s-min=49.1km az=121.0.
IDC IX 24 06 56 09.3–19 5.27S 151.72E 144–158 3.8,3.4b
¶621126414
IDC Error ellipse: s-maj=102.1km s-min=40.3km az=72.0.
IDC IX 24 12 39 15.3–2.1 5.79S 151.87E 0 3.7,3.6b
¶621126437
IDC Error ellipse: s-maj=141.7km s-min=27.8km az=127.0.
ISC IX 19 19 32 17.0–1.1 6.5S–.20 148.8E–.30 35 3.7b,3.5s 12 9-147
IDC IX 19 19 32 11.0–1.2 6.43S 149.07E 0 4.0L,3.8b **¶621113638**
ISC Event type se.
IDC Error ellipse: s-maj=54.0km s-min=21.6km az=109.0.
ISC IX 22 10 34 35.2–.43 5.16S–.06 151.90E–.09 70 4.4b 93 1-150
NEIC IX 22 10 34 35.5–1.2 5.19S–.07 152.0E–.10 71–7 4.5b **¶621094951**
IDC IX 22 10 34 36.5–2.5 5.15S 151.80E 83–21 4.4,4.4s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.6km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.2km s-min=13.9km az=88.0.
IDC IX 25 08 40 26.7–14 4.33S 150.72E 351–126 4.2,3.5b
¶621131444
IDC Error ellipse: s-maj=97.3km s-min=50.2km az=69.0.
IDC IX 27 10 37 45.6–1.9 5.89S 149.49E 0 3.9,3.8b
¶621140703
IDC Error ellipse: s-maj=128.9km s-min=27.9km az=125.0.
ISC IX 26 23 34 09.6–1.2 5.7S–.30 151.2E–.40 65 3.6b 7 9-149
IDC IX 26 23 34 00.9–1.2 5.77S 151.44E 0 3.8,3.7b **¶621131547**
ISC Event type se.
IDC Error ellipse: s-maj=69.1km s-min=26.0km az=118.0.
IDC X 04 01 29 45.5–2.0 5.72S 149.77E 0 3.7b,3.7
¶621203090
IDC Error ellipse: s-maj=79.5km s-min=25.9km az=116.0.
IDC X 01 06 35 59.5–2.5 5.03S 150.40E 0 3.6s,3.3b
¶621147814
IDC Error ellipse: s-maj=118.0km s-min=30.3km az=120.0.
ISC X 03 10 18 26.7–1.1 6.0S–.20 150.2E–.40 52 3.5b 9 15-84
IDC X 03 10 18 19.5–1.2 5.89S 150.18E 0 3.8s,3.7 **¶621186127**
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=22.0km az=105.0.
ISC IX 27 12 01 16.9–.64 6.6S–.10 153.6E–.10 100 3.9b 20 7-152
IDC IX 27 12 01 18.9–3.2 6.58S 153.68E 123–30 4.1,3.7b **¶621140710**
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=15.6km az=91.0.
IDC X 03 20 17 40.7–2.2 6.34S 149.55E 0 3.5,3.4b
¶621186146
IDC Error ellipse: s-maj=121.1km s-min=31.6km az=125.0.
IDC X 08 00 29 05.6–3.5 4.23S 151.86E 0 3.5,3.4b
¶621224613
IDC Error ellipse: s-maj=149.8km s-min=48.5km az=121.0.
ISC X 08 13 24 13.6–.46 6.10S–.06 151.78E–.10 10 4.7b,3.3s 98 2-150
IDC X 08 13 24 11.5–.59 6.05S 151.78E 0 4.3b,4.3 **¶621140965**
NEIC X 08 13 24 14.4–1.5 6.08S–.04 151.8E–.10 10–1 4.9b,4.3
DJA X 08 13 24 16.9–2.8 6S–4.0 152E–7.0 17–26 4.9,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 09 19 52 19.0–3.8 5.23S 148.37E 226–37 4.0,3.4b
¶621235345
IDC Error ellipse: s-maj=48.6km s-min=18.2km az=124.0.
IDC X 09 01 31 44.5–3.6 5.86S 150.00E 0 3.4,3.3b
¶621235297
IDC Error ellipse: s-maj=137.4km s-min=46.9km az=116.0.
ISC X 09 17 22 26.2–.64 6.62S–.09 150.43E–.10 10 4.4b,3.4s 27 3-149
IDC X 09 17 22 23.9–1.4 6.24S 150.33E 0 3.9,3.8b **¶621235337**
NEIC X 09 17 22 26.7–1.4 6.60S–.07 150.46E–.10 10–1 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 09 12 22 05.8–12 4.60S 151.85E 0 4.0s,3.8b
¶621235324
IDC Error ellipse: s-maj=204.1km s-min=93.5km az=23.0.
ISC X 09 20 01 50.9–.24 4.64S–.03 153.00E–.03 54–1 5.4b,4.8s 1285 1-158
BJI X 09 20 01 48.4 4.55S 153.35E 59 5.7b,5.3b **¶621630047**
MOS X 09 20 01 49.3–1.1 4.60S 152.91E 47 5.7b,5.3b
IDC X 09 20 01 50.9–1.2 4.70S 152.86E 51–9 5.2,4.9b
GFZ X 09 20 01 51.0 4.63S 152.86E 54 5.5W,4.9b
NEIC X 09 20 01 50.7 4.65S 153.00E 51 5.5W,4.9b
NEIC X 09 20 01 50.9 4.65S 153.03E 53 5.5W,4.9b
GFZ X 09 20 01 51.0–.38 5S–3.0 153E–3.0 52–3 5.8b,5.6
NEIC X 09 20 01 51.4 4.45S 152.93E 60 5.5,5.6
NEIC X 09 20 01 51.7–1.5 4.64S–.07 152.99E–.06 54–1 5.7,5.5b
IPGP X 09 20 01 51.0 4.60S 152.96E 62 5.6W,5.5b
GCMT X 09 20 01 53.0–.10 4.82S–.01 152.90E–.01 56–0 5.6W,5.5b
DJA X 09 20 02 04.1–.90 5S–4.0 153E–4.0 164–8 5.6b,5.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.32 $M_{\theta\theta}$-2.25 $M_{\phi\phi}$-0.07 $M_{r\theta}$0.67 $M_{\theta\phi}$-0.56 $M_{\phi r}$0.15 NP1: ϕ_s76.78011°,δ53.10648°,λ90.31887°. NP2:ϕ_s256.24896°,δ36.89470°,λ89.57521°. Principal axes: T 2.4170,Plg81.8900°,Azm348.3786°; N 0.0680,Plg0.2550°,Azm256.5887° ; P -2.4850,Plg8.1060°,Azm166.5524° $M_0$2.45171×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.46 $M_{\theta\theta}$-2.04 $M_{\phi\phi}$0.57 $M_{r\theta}$0.94 $M_{\theta\phi}$-0.10 $M_{\phi r}$0.30 NP1:ϕ_s282.32000°,δ32.23000° ,λ111.83000°. NP2:ϕ_s76.98000°,δ60.33000°,λ76.81000°. Principal axes: T 1.7589,Plg71.0000°,Azm316.0000°; N 0.5244,Plg11.0000°,Azm84.0000° ; P -2.2833,Plg14.0000°,Azm177.0000° $M_0$2.07000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.91 $M_{\theta\theta}$-3.11 $M_{\phi\phi}$-0.80 $M_{r\theta}$1.07 $M_{\theta\phi}$-0.85 $M_{\phi r}$0.43 NP1:ϕ_s70.83000°,δ53.79000°,λ88.95000°. NP2:ϕ_s252.61000°,δ36.22000° ,λ91.44000°. Principal axes: T 4.0880,Plg81.0000°,Azm336.0000°; N -0.5217,Plg1.0000° ,Azm71.0000°; P -3.5664,Plg9.0000°,Azm162.0000° $M_0$3.85000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s237.00000°,δ36.00000°,λ81.00000°. NP2:ϕ_s67.00000° ,δ55.00000°,λ96.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110092001A. Moment Tensor Solution. s144,c288; s141,c269;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58±.03 $M_{\theta\theta}$-2.81±.02; $M_{\phi\phi}$0.23±.03; $M_{r\theta}$0.85±.03; $M_{\theta\phi}$-0.69±.02; $M_{\phi r}$0.31±.02; Best double couple: NP1: ϕ_s261.00000°,δ36.00000°,λ95.00000°. NP2:ϕ_s75.00000°,δ54.00000°,λ86.00000°. Principal axes: T 2.7290,Plg81.0000°,Azm329.0000°; N 0.3730,Plg3.0000°,Azm77.0000° ; P -3.1020,Plg9.0000°,Azm168.0000° $M_0$2.91500×10^{17}
ISC X 11 14 11 34.1–.43 4.72S–.06 152.38E–.07 58 4.5b 70 1-150
NEIC X 11 14 11 35.3–1.2 4.67S–.08 152.39E–.09 68–3 4.6b **¶621236890**
IDC X 11 14 11 40.0–3.4 4.83S 152.50E 119–32 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.8km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=16.7km az=106.0.
IDC X 10 12 39 11.1–2.4 5.33S 152.72E 0 3.6,3.5b
¶621235385
IDC Error ellipse: s-maj=180.1km s-min=29.8km az=128.0.
ISC X 10 15 13 46.4–.49 6.41S–.07 149.14E–.10 53 4.2b,3.3s 49 4-152
NEIC X 10 15 13 45.6–1.3 6.40S–.09 149.20E–.09 35–2 4.5b,3.3s **¶621235391**
IDC X 10 15 13 51.9–3.3 6.35S 148.90E 99–29 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=5.1km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.6km s-min=11.0km az=109.0.
ISC X 15 03 59 36.6–.52 6.42S–.07 149.23E–.09 53 4.1b 46 4-153
IDC X 15 03 59 32.8–3.4 6.34S 149.47E 23–20 4.1L,4.0 **¶621242032**
NEIC X 15 03 59 36.7–1.9 6.42S–.03 149.3E–.10 47–6 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 09 54 28.1–.36 4.21S–.05 152.93E–.05 10 4.8b,3.9s 105 1-151
IDC X 13 09 54 26.2–.49 4.17S 152.85E 0 4.4b,4.4 **¶621146908**
GFZ X 13 09 54 27.9–.22 4S–3.0 153E–4.0 10 5.1b,4.9b
NEIC X 13 09 54 28.9–1.6 4.24S–.10 152.93E–.04 10–1 4.9b,4.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 06 25 39.8–.75 4.18S–.04 152.99E–.04 18–3 5.1b,4.3s 590 1-151
BJI X 13 06 25 37.4 3.70S 153.45E 8 5.6b,4.9b **¶621146563**
NEIC X 13 06 25 38.4–1.4 4.14S–.07 152.90E–.05 10–1 5.1b,4.9b
GFZ X 13 06 25 39.8–.17 4S–2.0 153E–3.0 10 5.7b,5.5
IDC X 13 06 25 41.9–1.7 4.23S 152.87E 32–11 4.8,4.6L
GCMT X 13 06 25 42.1–.20 4.24S–.01 152.93E–.01 20–1 5.1W,4.6L
DJA X 13 06 25 51.4–1.6 5S–8.0 153E–13 69–9 5.8b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110130625A. Moment Tensor Solution. s50,c69; s127,c210; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.17 $M_{\theta\theta}$-3.90±.12; $M_{\phi\phi}$4.67±.14; $M_{r\theta}$2.01±.29; $M_{\theta\phi}$4.14±.13; $M_{\phi r}$-1.28±.27; Best double couple: NP1:ϕ_s245.00000°,δ72.00000° ,λ-13.00000°. NP2:ϕ_s339.00000°,δ77.00000°,λ-161.00000°. Principal axes: T 6.3710,Plg4.0000°,Azm111.0000°; N 0.1630,Plg67.0000°,Azm12.0000° ; P -6.5280,Plg22.0000°,Azm203.0000° $M_0$6.45000×10^{16}
ISC X 13 06 48 04.8–.67 4.51S–.09 152.8E–.10 10 4.3b,3.4s 45 1-151
IDC X 13 06 48 00.1–.77 4.67S 153.53E 0 4.1b,4.1 **¶621238955**
NEIC X 13 06 48 05.6–1.3 4.5S–.10 152.81E–.07 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 15 04 16 23.1–1.2 7.0S–.30 150.2E–.40 34 3.9b 6 20-151
IDC X 15 04 16 17.9–1.1 6.98S 150.28E 0 3.8,3.7b **¶621242034**
ISC Event type se.
IDC Error ellipse: s-maj=59.4km s-min=28.3km az=125.0.
IDC X 15 04 49 26.6–1.9 4.87S 151.75E 0 3.5b,3.5
¶621242037
IDC Error ellipse: s-maj=93.0km s-min=27.7km az=123.0.
ISC X 12 18 44 05.6–.40 5.82S–.05 149.07E–.05 110–3 4.8b 174 3-147
NEIC X 12 18 44 05.6–2.1 5.84S–.06 149.10E–.06 107–4 5.0b **¶621146431**
IDC X 12 18 44 05.8–.75 5.88S 148.97E 111–6 4.2,3.8b
GFZ X 12 18 44 07.6–.32 6S–4.0 149E–4.0 124 4.9b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC X 17 19 08 01.5–5.1 4.90S 151.64E 0 3.2b,3.2
¶621242897
IDC Error ellipse: s-maj=149.5km s-min=38.4km az=105.0.
ISC X 16 18 23 46.3–.47 6.16S–.06 148.45E–.08 65 4.5b 70 4-151
NEIC X 16 18 23 48.0–2.0 6.22S–.08 148.57E–.09 78–7 4.5b **¶621242135**
IDC X 16 18 23 50.0–5.7 6.07S 148.31E 97–49 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.3km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.5km s-min=15.5km az=88.0.
IDC X 16 15 52 25.8–1.4 6.47S 149.41E 0 3.7,3.6L
¶621242129
IDC Error ellipse: s-maj=74.8km s-min=29.4km az=123.0.
IDC X 16 20 33 24.8–2.8 5.56S 149.34E 0 3.9b,3.9
¶621242144
IDC Error ellipse: s-maj=72.6km s-min=30.6km az=97.0.
ISC X 17 05 18 50.9–.36 4.59S–.05 152.99E–.07 55 4.8b,3.3s 196 1-151
IDC X 17 05 18 43.5–.50 4.57S 152.98E 0 4.5b,4.5 **¶621204810**
BJI X 17 05 18 50.7 4.24S 153.15E 58 4.8b,4.5
NEIC X 17 05 18 52.1–.91 4.61S–.08 153.03E–.09 62–7 4.7b,4.5
GFZ X 17 05 18 52.1–.84 5S–3.0 153E–5.0 74–9 5.5b,5.0
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**X**	**22 16 47 48.7–.54**	**6.17S–.06**	**148.41E–.08**	**100**	**4.3b**	**32**	**4-85**	
IDC	X	22 16 47 37.6–1.7	5.53S	148.34E	0	4.4L,4.0			**¶621309331**
NEIC	X	22 16 47 49.7–1.6	6.18S–.08	148.39E–.08	107–10	4.4b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**19 08 43 00.5–.73**	**6.16S–.09**	**150.66E–.09**	**48**	**3.9b**	**26**	**2-84**	
IDC	X	19 08 42 50.5–4.0	5.55S	150.63E	0	4.0b,4.0			**¶621244072**
NEIC	X	19 08 42 59.8–1.8	6.2S–.10	150.6E–.10	35–2	4.1b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**X**	**20 02 40 03.9–8.2**	**6.66S**	**151.75E**	**519–87**	**3.8,3.0b**			
									¶621246583

IDC Error ellipse: s-maj=70.7km s-min=36.3km az=105.0.

ISC	**X**	**22 09 50 00.2–.64**	**5.48S–.07**	**151.9E–.10**	**45**	**4.3b**	**34**	**1-85**	
NEIC	X	22 09 49 55.0–1.2	5.62S–.07	152.1E–.10	10–1	4.5b			**¶621309318**
IDC	X	22 09 49 55.7–1.4	5.45S	151.78E	0	4.1b,4.1			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=11.4km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.1km s-min=26.3km az=69.0.

ISC	**X**	**24 09 41 50.1–1.3**	**5.1S–.10**	**151.0E–.30**	**155**	**3.9b**	**12**	**11-96**	
IDC	X	24 09 41 30.7–1.5	4.83S	151.53E	0	4.1b,4.1			**¶621366382**

ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=18.6km az=92.0.

IDC	**X**	**23 18 36 05.1–1.4**	**4.35S**	**152.69E**	**0**	**3.7b,3.7**			
									¶621309387

IDC Error ellipse: s-maj=67.5km s-min=26.0km az=131.0.

ISC	**X**	**25 05 21 57.5–.31**	**5.39S–.04**	**152.38E–.04**	**40**	**5.1b,4.1s**	**315**	**1-151**	
IDC	X	25 05 21 52.4–.52	5.32S	152.37E	0	4.7b,4.7			**¶621238485**
NEIC	X	25 05 21 53.4–.99	5.37S–.06	152.51E–.07	10–1	5.2b,5.0			
BJI	X	25 05 21 53.0	5.40S	152.50E	20	5.2b,4.9b			
DJA	X	25 05 21 58.7–.60	5S–5.0	153E–6.0	62–7	5.4b,5.1			
GCMT	X	25 05 21 59.2–.40	5.35S–.03	152.46E–.04	27–1	5.0W,5.1			
GFZ	X	25 05 21 59.6–.86	5S–3.0	152E–5.0	51–8	5.5b,5.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110250521A. Moment Tensor Solution. s24,c29; s67,c80; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.63±.20 $M_{\theta\theta}$-1.38±.13; $M_{\phi\phi}$-0.24±.15; $M_{r\theta}$3.01±.32; $M_{\theta\phi}$-1.30±.10; $M_{\phi r}$0.33±.22; Best double couple: NP1:ϕ_s210.00000°,δ22.00000°,λ42.00000°. NP2:ϕ_s80.00000°,δ75.00000°,λ107.00000°. Principal axes: T 3.5370,Plg56.0000°,Azm12.0000°; N 0.1860,Plg16.0000°,Azm256.0000°; P -3.7140,Plg28.0000°,Azm157.0000° $M_0$3.62500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**X**	**24 10 24 39.7–1.5**	**4.6S–.20**	**151.5E–.20**	**10**	**3.9b,3.2s**	**6**	**1-96**	
IDC	X	24 10 24 37.6–1.0	4.59S	151.59E	0	4.0b,4.0			**¶621366383**

ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=14.3km az=143.0.

IDC	**X**	**25 02 37 06.7–2.1**	**5.26S**	**152.47E**	**0**	**4.1b,4.1**			
									¶621366418

IDC Error ellipse: s-maj=127.8km s-min=27.3km az=130.0.

IDC	**X**	**26 22 22 57.3–2.0**	**4.43S**	**152.70E**	**0**	**3.8,3.7b**			
									¶621366494

IDC Error ellipse: s-maj=55.8km s-min=36.2km az=106.0.

ISC	**X**	**28 17 45 38.9–2.9**	**5.0S–.30**	**152.0E–.50**	**70**	**3.8b**	**7**	**16-96**	
IDC	X	28 17 45 30.6–2.8	4.82S	151.94E	0	3.9b,3.9			**¶621391401**

ISC Event type se.
IDC Error ellipse: s-maj=87.2km s-min=22.8km az=114.0.

ISC	**XI**	**01 18 20 16.3–.49**	**6.08S–.06**	**148.51E–.09**	**65**	**4.3b**	**65**	**4-147**	
IDC	XI	01 18 20 07.6–.70	5.98S	148.76E	0	4.2L,4.2			**¶621246763**
NEIC	XI	01 18 20 16.6–2.0	6.04S–.07	148.57E–.10	63–6	4.4b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XI**	**01 15 11 39.9–2.6**	**6.28S**	**153.13E**	**0**	**3.4b,3.4**			
									¶621401273

IDC Error ellipse: s-maj=195.6km s-min=29.9km az=129.0.

ISC	**X**	**30 10 03 05.4–.87**	**5.76S–.09**	**151.9E–.10**	**35**	**4.0b**	**25**	**2-84**	
NEIC	X	30 10 03 02.5–1.1	5.80S–.07	151.90E–.09	10–1	4.1b			**¶621395170**
IDC	X	30 10 03 13.6–10	5.48S	151.39E	104–97	3.9,3.6b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=10.0km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.5km s-min=33.6km az=107.0.

IDC	**X**	**31 18 31 46.8–8.5**	**5.04S**	**151.56E**	**0**	**3.3,3.2b**			
									¶621395260

IDC Error ellipse: s-maj=197.3km s-min=54.5km az=173.0.

ISC	**XI**	**15 07 59 05.4–1.0**	**5.6S–.20**	**151.6E–.30**	**57**	**3.8b**	**7**	**22-94**	
IDC	XI	15 07 58 57.5–1.1	5.54S	151.69E	0	3.9b,3.9			**¶621475612**

ISC Event type se.
IDC Error ellipse: s-maj=48.4km s-min=23.4km az=118.0.

IDC	**XI**	**04 11 08 18.3–3.7**	**5.78S**	**150.33E**	**0**	**3.4,3.3b**			
									¶621412293

IDC Error ellipse: s-maj=150.7km s-min=46.1km az=118.0.

ISC	**XI**	**15 13 42 36.6–.65**	**6.04S–.08**	**152.2E–.10**	**36**	**4.2b**	**35**	**2-86**	
IDC	XI	15 13 42 31.7–1.5	5.74S	151.56E	0	4.3,4.2b			**¶621475636**
NEIC	XI	15 13 42 33.9–1.0	6.03S–.09	152.2E–.10	10–1	4.4b,4.2b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**02 20 23 18.2–.93**	**6.4S–.20**	**148.4E–.20**	**46**	**3.8b**	**11**	**14-85**	
IDC	XI	02 20 23 11.2–1.0	6.36S	148.88E	0	4.1L,3.9b			**¶621401362**

ISC Event type se.
IDC Error ellipse: s-maj=43.2km s-min=19.1km az=113.0.

ISC	**XI**	**03 11 47 34.7–.52**	**5.06S–.08**	**151.06E–.08**	**200**	**4.0b**	**48**	**1-149**	
IDC	XI	03 11 47 33.2–1.9	5.07S	151.02E	185–16	4.1,3.6b			**¶621412242**
NEIC	XI	03 11 47 34.5–1.0	5.04S–.07	151.12E–.08	193–4	4.3b,3.6b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XI**	**09 09 17 49.0–1.5**	**6.29S**	**149.12E**	**0**	**3.9L,3.7b**			
									¶621423146

IDC Error ellipse: s-maj=77.5km s-min=29.0km az=124.0.

ISC	**XI**	**11 08 03 23.6–.69**	**4.49S–.10**	**151.3E–.10**	**250**	**4.2b**	**34**	**1-149**	
IDC	XI	11 08 03 23.7–2.6	4.54S	151.65E	262–21	4.2,3.5b			**¶621449515**
NEIC	XI	11 08 03 24.3–.65	4.4S–.10	151.3E–.20	262–8	4.3b,3.5b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**11 14 18 17.0–.38**	**5.06S–.05**	**152.95E–.07**	**43**	**4.6b,3.5s**	**114**	**1-151**	
IDC	XI	11 14 18 11.2–.61	5.01S	152.89E	0	4.4b,4.4			**¶621395291**
NEIC	XI	11 14 18 17.7–2.2	5.02S–.05	152.99E–.07	39–6	4.6b,4.4			
GFZ	XI	11 14 18 18.5–.46	5S–4.0	153E–4.0	72–3	4.8b,4.7b			
BJI	XI	11 14 18 21.3	4.63S	152.80E	70	5.1b,4.7b			

ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=16.3km az=95.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.6km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.7km s-min=7.1km az=40.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC	**XI**	**08 11 31 19.0–2.0**	**4.79S**	**151.88E**	**0**	**3.5b,3.5**			
									¶621423096

IDC Error ellipse: s-maj=121.8km s-min=27.9km az=129.0.

ISC	**XI**	**09 12 35 19.6–1.1**	**5.7S–.20**	**149.0E–.40**	**200**	**3.9b**	**7**	**15-84**	
IDC	XI	09 12 35 21.6–7.2	5.76S	149.06E	218–71	4.0,3.5b			**¶621423155**

ISC Event type se.
IDC Error ellipse: s-maj=56.4km s-min=19.9km az=102.0.

ISC	**XI**	**15 08 24 21.5–.80**	**5.7S–.10**	**151.9E–.10**	**45**	**4.0b**	**30**	**1-93**	
IDC	XI	15 08 24 15.2–1.0	5.47S	151.57E	0	4.0b,4.0			**¶621475614**
NEIC	XI	15 08 24 16.9–1.7	5.7S–.10	152.03E–.08	10–1	4.2b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**16 02 27 01.3–.66**	**6.3S–.10**	**148.8E–.20**	**53**	**4.0b,3.0s**	**19**	**4-97**	
IDC	XI	16 02 26 54.6–1.8	6.40S	149.18E	0	3.8L,3.8b			**¶621475658**
NEIC	XI	16 02 27 02.1–1.7	6.3S–.10	148.8E–.10	58–9	4.3b,3.8b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**22 21 36 02.8–.58**	**5.69S–.03**	**152.09E–.04**	**16–3**	**5.3b,4.4s**	**640**	**1-157**	
BJI	XI	22 21 35 58.1	5.80S	152.43E	13	5.3b,5.0b			**¶621448738**
IDC	XI	22 21 35 59.6–.37	5.70S	151.98E	0	4.8b,4.8			
MOS	XI	22 21 36 01.0–1.0	5.70S	152.04E	15	5.5b,4.9s			
GFZ	XI	22 21 36 02.9	5.61S	152.00E	37	5.1W,4.9s			
NEIC	XI	22 21 36 02.4–1.7	5.77S–.05	152.08E–.07	10–1	5.5b,5.0			
GFZ	XI	22 21 36 02.9–.19	6S–3.0	152E–3.0	10	5.7b,5.2			
GCMT	XI	22 21 36 09.4–.20	5.83S–.01	152.15E–.01	37–0	5.1W,5.2			
DJA	XI	22 21 36 09.9–.50	6S–3.0	152E–4.0	68–5	5.8b,5.4			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.97 $M_{\theta\theta}$-2.48 $M_{\phi\phi}$-1.49 $M_{r\theta}$3.11 $M_{\theta\phi}$-1.21 $M_{\phi r}$1.96 NP1: ϕ_s57.26379°,δ67.66904°,λ90.74453°. NP2:ϕ_s235.30492°,δ22.34273°,λ88.18809°. Principal axes: T 5.5030,Plg67.3227°,Azm328.6294°; N -0.6749,Plg0.6887°,Azm236.9809°; P -4.8281,Plg22.6656°,Azm146.6933° $M_0$5.19849×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111222136A. Moment Tensor Solution. s92,c148; s119,c174;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.37±.15 $M_{\theta\theta}$-3.92±.11; $M_{\phi\phi}$-0.45±.11; $M_{r\theta}$2.76±.13; $M_{\theta\phi}$-2.53±.09; $M_{\phi r}$2.96±.12; Best double couple: NP1: ϕ_s258.00000°,δ28.00000°,λ116.00000°. NP2:ϕ_s49.00000°,δ66.00000°,λ77.00000°. Principal axes: T 6.0120,Plg67.0000°,Azm295.0000°; N 0.5990,Plg12.0000°,Azm54.0000°; P -6.6120,Plg20.0000°,Azm149.0000° $M_0$6.31200×10^{16}

ISC	**XI**	**17 03 20 02.9–.71**	**5.49S–.09**	**152.0E–.20**	**45**	**4.3b**	**24**	**1-84**	
IDC	XI	17 03 19 57.9–1.9	5.53S	152.10E	0	3.8L,3.7			**¶621494189**
NEIC	XI	17 03 19 59.1–1.0	5.54S–.08	152.10E–.09	10–1	4.6b,3.7			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XI**	**19 10 48 07.2–1.4**	**6.56S**	**152.38E**	**0**	**3.6b,3.6**			
									¶621590284

IDC Error ellipse: s-maj=78.6km s-min=29.3km az=126.0.

ISC	**XI**	**19 23 54 53.9–.51**	**5.06S–.07**	**152.77E–.07**	**35**	**4.7b,3.2s**	**75**	**1-151**	
IDC	XI	19 23 54 48.2–.98	4.94S	152.83E	0	4.4b,4.4			**¶621423323**
DJA	XI	19 23 54 52.8–1.9	5S–7.0	153E–15	48–9	5.3b,4.7b			
NEIC	XI	19 23 54 54.5–.92	5.01S–.09	152.70E–.04	35–2	4.7b,4.7b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**21 22 26 14.0–.69**	**6.4S–.10**	**152.3E–.10**	**10**	**4.2b**	**24**	**2-117**	
IDC	XI	21 22 26 13.4–1.2	6.19S	151.80E	0	3.9,3.8b			**¶621608934**
NEIC	XI	21 22 26 14.0–1.9	6.36S–.03	152.3E–.10	10–1	4.3b,3.8b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XI**	**21 04 29 17.7–2.2**	**6.18S**	**148.52E**	**0**	**3.7L,3.5**			
									¶621608893

IDC Error ellipse: s-maj=136.1km s-min=32.1km az=125.0.

IDC	**XII**	**02 18 54 28.1–4.4**	**5.42S**	**152.24E**	**0**	**3.2,3.1b**			
									¶621629901

IDC Error ellipse: s-maj=205.4km s-min=51.1km az=121.0.

ISC	**XI**	**24 00 05 47.1–1.3**	**6.2S–.20**	**153.8E–.40**	**35**	**3.7b**	**6**	**23-84**	
IDC	XI	24 00 05 41.4–1.4	6.16S	153.91E	0	3.8b,3.8			**¶621613952**

ISC Event type se.
IDC Error ellipse: s-maj=52.2km s-min=26.3km az=116.0.

ISC	**XI**	**24 00 35 14.6–.86**	**6.36S–.10**	**153.7E–.20**	**29**	**4.2b,3.2s**	**28**	**3-152**	
NEIC	XI	24 00 35 10.9–1.6	6.4S–.10	154.0E–.10	10–1	4.2b,3.2s			**¶621613953**
IDC	XI	24 00 35 25.5–7.6	6.50S	153.50E	125–70	4.2,3.8b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=13.1km az=44.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.8km s-min=24.2km az=51.0.

ISC	**XI**	**25 20 22 48.4–.42**	**6.18S–.06**	**149.06E–.07**	**60**	**4.4b,3.1s**	**83**	**4-137**	
NEIC	XI	25 20 22 49.2–1.8	6.13S–.09	149.16E–.08	66–4	4.5b,3.1s			**¶621468833**
IDC	XI	25 20 22 49.5–.82	6.05S	148.92E	69–7	4.1,3.7b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.1km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.2km s-min=12.4km az=94.0.

ISC	**XI**	**27 01 44 03.1–.47**	**5.69S–.04**	**151.54E–.05**	**43–4**	**5.1b,4.7s**	**513**	**2-151**	
IDC	XI	27 01 43 56.3–.43	5.53S	151.52E	0	4.7,4.6b			**¶621883599**
GFZ	XI	27 01 43 58.8–.28	5S–4.0	152E–4.0	10	5.6b,5.3			
BJI	XI	27 01 43 59.2	6.14S	151.75E	49	5.3b,5.0s			
MOS	XI	27 01 44 01.4–1.1	5.58S	151.43E	43	5.3b,5.1s			
NEIC	XI	27 01 44 02.3–1.6	5.68S–.06	151.50E–.07	31–3	5.3b,5.3			
GCMT	XI	27 01 44 06.5–.10	5.85S–.01	151.57E–.01	32–0	5.4W,5.3			
DJA	XI	27 01 44 07.2–.50	6S–4.0	152E–4.0	78–5	5.5b,5.3			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111270144A. Moment Tensor Solution. s129,c233; s132,c239;Duration: 1ś2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.02 $M_{\theta\theta}$-1.15±.01; $M_{\phi\phi}$0.09±.01; $M_{r\theta}$0.74±.03; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$-0.13±.02; Best double couple: NP1: ϕ_s235.00000°,δ33.00000°,λ61.00000°. NP2:ϕ_s89.00000°,δ62.00000°,λ107.00000°. Principal axes: T 1.3270,Plg68.0000°,Azm33.0000°; N 0.1350,Plg15.0000°,Azm260.0000°; P -1.4620,Plg15.0000°,Azm166.0000° $M_0$1.39500×10^{17}

IDC	**XII**	**01 03 49 32.7–4.6**	**5.34S**	**148.76E**	**0**	**3.2,3.1b**			
									¶621629785

IDC Error ellipse: s-maj=160.9km s-min=36.4km az=107.0.

ISC	**XI**	**24 21 55 58.4–.81**	**6.37S–.08**	**153.8E–.10**	**48**	**4.0b,3.3s**	**39**	**3-152**	
NEIC	XI	24 21 55 53.2–1.5	6.33S–.08	153.9E–.10	10–1	4.4b,3.3s			**¶621614008**
IDC	XI	24 21 56 05.9–9.3	6.49S	153.87E	119–79	4.0,3.8L			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=12.9km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.6km s-min=20.7km az=82.0.

IDC	**XI**	**28 20 43 01.8–2.2**	**5.80S**	**149.42E**	**0**	**3.4,3.3b**			
									¶621625190

IDC Error ellipse: s-maj=112.4km s-min=30.9km az=128.0.

IDC	**XII**	**02 19 09 50.7–4.9**	**6.93S**	**149.25E**	**0**	**3.4b,3.3**			
									¶621629904

IDC Error ellipse: s-maj=150.1km s-min=28.8km az=108.0.

ISC XII 04 00 41 53.5–.32 7.10S–.05 151.03E–.05 40 5.0b,3.6s 275 3-156
BJI XII 04 00 41 47.8 7.22S 150.81E 7 5.2b,4.6s **¶621612052**
GFZ XII 04 00 41 48.5–.35 7S–4.0 151E–5.0 10 4.8b,4.8
NEIC XII 04 00 41 50.1–1.3 7.09S–.06 150.97E–.09 10–1 5.1b,4.8
IDC XII 04 00 41 53.8–3.0 6.97S 150.74E 36–24 4.5,4.3b
DJA XII 04 00 41 54.7–.70 7S–5.0 151E–6.0 46–8 6.3b,6.0
GCMT XII 04 00 41 55.2–.30 7.14S–.02 150.81E–.04 13–1 4.8W,6.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040041A. Moment Tensor Solution. s29,c34; s95,c122; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.40±.17 $M_{\theta\theta}$1.98±.11; $M_{\phi\phi}$0.42±.10; $M_{r\theta}$-0.48±.27; $M_{\theta\phi}$0.55±.07; $M_{\phi r}$0.59±.38; Best double couple: NP1:ϕ_s239.00000°,δ43.00000°,λ-111.00000°. NP2:ϕ_s86.00000°,δ50.00000°,λ-72.00000°. Principal axes: T 2.1750,Plg4.0000°,Azm164.0000°; N 0.4220,Plg14.0000°,Azm255.0000°; P -2.5950,Plg76.0000°,Azm59.0000° $M_0$2.38500×10^{16}
ISC XII 03 20 43 57.0–2.2 5.6S–.40 152.0E–.50 45 3.8b 6 22-150
IDC XII 03 20 43 51.0–1.9 5.48S 151.93E 0 3.8b,3.8 **¶621630619**
ISC Event type se.
IDC Error ellipse: s-maj=78.8km s-min=25.8km az=119.0.
ISC XII 08 10 06 36.1–3.9 6.0S–.70 150.9E–.40 35 3.7b 7 5-84
IDC XII 08 10 06 24.8–4.0 5.01S 150.63E 0 3.9,3.8b **¶621634693**
ISC Event type se.
IDC Error ellipse: s-maj=97.8km s-min=38.2km az=156.0.
IDC XII 04 18 25 51.9–2.0 7.68S 151.08E 0 3.7,3.6b
¶621630681
IDC Error ellipse: s-maj=90.8km s-min=27.5km az=125.0.
IDC XII 07 13 15 45.8–1.3 4.06S 152.42E 0 3.7b,3.7
¶621632670
IDC Error ellipse: s-maj=74.6km s-min=27.2km az=125.0.
IDC XII 06 03 58 08.6–2.7 5.44S 152.24E 0 3.4b,3.4
¶621632569
IDC Error ellipse: s-maj=234.3km s-min=30.1km az=127.0.
IDC XII 04 03 11 58.1–2.1 4.88S 151.65E 0 3.4b,3.4
¶621630631
IDC Error ellipse: s-maj=136.3km s-min=29.0km az=125.0.
ISC XII 04 12 07 03.9–.31 7.43S–.05 150.14E–.05 10 5.2b,4.0s 373 4-155
IDC XII 04 12 07 02.1–.42 7.36S 150.06E 0 4.7b,4.7 **¶621883635**
BJI XII 04 12 07 02.2 7.31S 150.06E 9 5.4b,5.0s
NEIC XII 04 12 07 03.5–.80 7.34S–.05 150.12E–.07 10–1 5.2b,4.9
GFZ XII 04 12 07 05.0–.25 7S–3.0 150E–4.0 10 5.3b,5.1b
GCMT XII 04 12 07 08.1–.20 7.38S–.01 150.15E–.02 12–0 5.0W,5.1b
DJA XII 04 12 07 08.0–.40 7S–3.0 150E–3.0 44–4 5.9,5.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112041207A. Moment Tensor Solution. s57,c73; s123,c208; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.98±.15 $M_{\theta\theta}$4.05±.10; $M_{\phi\phi}$-0.07±.09; $M_{r\theta}$1.25±.22; $M_{\theta\phi}$-0.03±.07; $M_{\phi r}$-0.65±.32; Best double couple: NP1:ϕ_s82.00000°,δ37.00000°,λ-104.00000°. NP2:ϕ_s279.00000°,δ54.00000°,λ-80.00000°. Principal axes: T 4.2440,Plg9.0000°,Azm2.0000°; N 0.0180,Plg8.0000°,Azm93.0000°; P -4.2670,Plg78.0000°,Azm226.0000° $M_0$4.25600×10^{16}
ISC XII 09 13 52 34.9–.39 5.08S–.03 152.22E–.04 59–3 5.4s,5.4b 732 1-157
BJI XII 09 13 52 28.2 5.38S 152.33E 36 5.5b,5.4s **¶621625209**
GFZ XII 09 13 52 30.2 4.99S 152.06E 49 5.7W,5.4s
NEIC XII 09 13 52 33.0–2.2 5.06S–.05 152.24E–.03 34–1 5.6b,5.6
IPGP XII 09 13 52 33.0 5.04S 152.27E 44 5.8W,5.6
MOS XII 09 13 52 33.2–.97 4.91S 152.17E 53 5.5s,5.2b
NEIC XII 09 13 52 34.2 5.03S 152.24E 43 5.5s,5.2b
NEIC XII 09 13 52 34.2 5.03S 152.24E 43 5.5s,5.2b
GFZ XII 09 13 52 34.9–.41 5S–2.0 152E–3.0 53–4 6.5,5.8b
IDC XII 09 13 52 36.5–1.7 5.03S 152.17E 72–14 5.1s,5.0
DJA XII 09 13 52 36.4–.40 5S–4.0 152E–5.0 72–5 5.7b,5.7
GCMT XII 09 13 52 37.3–.10 5.18S–.01 152.25E–.01 48–0 5.7W,5.7
NEIC XII 09 13 52 37.7 5.03S 152.24E 50 5.7,5.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.79 $M_{\theta\theta}$-3.64 $M_{\phi\phi}$-0.15 $M_{r\theta}$1.06 $M_{\theta\phi}$-1.25 $M_{\phi r}$-0.32 NP1: ϕ_s81.53763°,δ52.32994°,λ101.78174°. NP2:ϕ_s242.69241°,δ39.20701°,λ75.18621°. Principal axes: T 3.9974,Plg78.5321°,Azm38.1055°; N 0.1506,Plg9.3010°,Azm254.2736°; P -4.1480,Plg6.6493°,Azm163.1796° $M_0$4.07479×10^{17}
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.4km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.47 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$-1.04 $M_{r\theta}$1.52 $M_{\theta\phi}$-0.48 $M_{\phi r}$-0.14 NP1:ϕ_s232.09000°,δ29.99000°,λ68.46000°. NP2:ϕ_s76.59000°,δ62.30000°,λ101.96000°. Principal axes: T 3.0122,Plg70.0000°,Azm12.0000°; N -0.9012,Plg11.0000°,Azm251.0000°; P -2.1110,Plg16.0000°,Azm158.0000° $M_0$2.68000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s237.00000°,δ41.00000°,λ74.00000°. NP2:ϕ_s78.00000°,δ51.00000°,λ103.00000°.
MOS Error ellipse: s-maj=9.2km s-min=5.8km az=109.5.
NEIC Event type se.
NEIC Event type se.
GFZ Error ellipse: s-maj=5.6km s-min=4.8km az=70.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=12.1km s-min=8.5km az=93.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112091352A. Moment Tensor Solution. s155,c313; s152,c306;Duration: 1ŝ8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.46±.05 $M_{\theta\theta}$-4.49±.03; $M_{\phi\phi}$0.02±.04; $M_{r\theta}$1.49±.04; $M_{\theta\phi}$-1.68±.03; $M_{\phi r}$-0.44±.03; Best double couple: NP1: ϕ_s240.00000°,δ39.00000°,λ71.00000°. NP2:ϕ_s83.00000°,δ54.00000°,λ104.00000°. Principal axes: T 4.8110,Plg76.0000°,Azm40.0000°; N 0.4010,Plg11.0000°,Azm254.0000°; P -5.2170,Plg8.0000°,Azm163.0000° $M_0$5.01400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3ŝ8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.48 $M_{\theta\theta}$-3.48 $M_{\phi\phi}$-1.00 $M_{r\theta}$2.24 $M_{\theta\phi}$-1.20 $M_{\phi r}$-0.09 NP1:ϕ_s240.04000°,δ32.59000°,λ74.67000°. NP2:ϕ_s78.06000°,δ58.71000°,λ99.59000°. Principal axes: T 5.0948,Plg74.0000°,Azm14.0000°; N -0.6477,Plg8.0000°,Azm253.0000°; P -4.4472,Plg13.0000°,Azm161.0000° $M_0$4.80000×10^{17}
IDC XII 08 20 34 35.1–2.0 5.16S 151.70E 0 3.7b,3.7
¶621634749
IDC Error ellipse: s-maj=89.4km s-min=18.9km az=126.0.
ISC XII 11 19 57 13.2–1.5 4.8S–.20 152.9E–.20 43 3.9b 8 7-150
IDC XII 11 19 57 07.1–1.5 4.73S 152.84E 0 3.9,3.8b **¶621644209**
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=24.2km az=133.0.
ISC XII 09 16 46 13.8–.36 5.72S–.04 152.04E–.05 10 4.7b,3.9s 125 2-151
GFZ XII 09 16 46 11.7–.34 6S–5.0 152E–4.0 10 5.0b,4.7b **¶621625225**
NEIC XII 09 16 46 14.2–1.5 5.72S–.02 151.98E–.07 10–1 4.7b,4.7b
IDC XII 09 16 46 17.0–3.6 5.63S 151.94E 30–26 4.2,4.1b
DJA XII 09 16 46 20.8–.60 6S–6.0 152E–4.0 60–10 6.3b,6.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 10 05 01 22.1–.37 4.85S–.06 151.60E–.06 129 4.5b 131 1-152
IDC XII 10 05 01 23.0–1.7 4.89S 151.69E 142–14 4.4,4.0b **¶621626232**
NEIC XII 10 05 01 23.1–1.0 4.8S–.10 151.5E–.10 137–7 4.5b,4.0b
GFZ XII 10 05 01 30.9–1.9 5S–6.0 151E–6.0 200–19 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC XII 10 18 29 05.2–.62 5.5S–.10 151.6E–.10 57 4.0b 23 6-151
IDC XII 10 18 29 05.2–4.0 5.46S 151.53E 57–35 4.0,3.8b **¶621644142**
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=18.8km az=80.0.
ISC XII 09 13 22 50.2–.39 5.66S–.05 152.40E–.07 35 4.6b,3.4s 102 1-150
NEIC XII 09 13 22 49.8–2.4 5.65S–.07 152.37E–.07 31–5 4.7b,3.4s **¶621625220**
DJA XII 09 13 22 54.5–.70 6S–5.0 152E–8.0 71–7 7.5,7.5b
IDC XII 09 13 22 54.0–4.4 5.45S 151.93E 62–38 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.1km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.3km s-min=20.6km az=101.0.
ISC XII 11 13 29 18.7–.48 4.81S–.07 151.68E–.08 129 4.1b 59 1-149
NEIC XII 11 13 29 19.0–1.9 4.83S–.05 151.8E–.10 128–6 4.4b **¶621644192**
IDC XII 11 13 29 22.6–1.9 4.94S 151.62E 164–16 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=7.3km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.1km s-min=11.3km az=122.0.
ISC XII 16 07 14 02.0–.80 6.07S–.08 148.14E–.10 60 4.1b 42 3-84
NEIC XII 16 07 14 04.1–.91 6.1S–.10 148.4E–.10 92–14 4.1b **¶621630967**
IDC XII 16 07 14 07.3–3.8 6.00S 147.40E 82–29 4.3,4.2b
GFZ XII 16 07 14 09.4–3.5 6S–18 148E–15 132–24 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 13 11 13 00.4–.38 5.67S–.05 151.96E–.06 45 4.7b,4.0s 116 1-151
NEIC XII 13 11 12 59.0–.93 5.69S–.07 151.96E–.05 28–5 5.0b,4.0s **¶621627992**
DJA XII 13 11 13 00.1–1.6 6S–3.0 152E–5.0 32–15 5.9b,5.5
IDC XII 13 11 13 02.5–4.1 5.69S 151.89E 60–35 4.3,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=1.7km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.5km s-min=17.3km az=70.0.
IDC XII 12 10 54 11.5–5.7 4.93S 150.54E 0 3.2b,3.2
¶621650498
IDC Error ellipse: s-maj=168.2km s-min=40.4km az=104.0.
IDC XII 13 16 52 31.4–4.5 6.93S 148.44E 124–35 3.7,3.3b
¶621650586
IDC Error ellipse: s-maj=64.2km s-min=39.1km az=107.0.
ISC XII 15 06 53 29.8–1.5 5.4S–.30 151.3E–.40 57 3.7b 7 6-83
IDC XII 15 06 53 22.0–1.6 5.31S 151.40E 0 3.8b,3.8 **¶621654082**
ISC Event type se.
IDC Error ellipse: s-maj=70.6km s-min=21.5km az=130.0.
ISC XII 17 09 57 33.3–1.3 6.1S–.20 148.4E–.30 65 3.9b 9 4-123
IDC XII 17 09 57 32.3–3.1 6.02S 148.35E 54–27 3.9,3.8b **¶621656929**
ISC Event type se.
IDC Error ellipse: s-maj=58.7km s-min=13.7km az=123.0.
ISC XII 16 22 22 55.0–.78 4.8S–.10 152.4E–.10 55 4.1b 16 7-151
IDC XII 16 22 22 58.0–4.5 4.96S 152.31E 82–39 4.0,3.8b **¶621655814**
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=23.5km az=39.0.
IDC XII 18 13 21 42.4–2.1 5.43S 151.75E 0 3.9b,3.9
¶621657003
IDC Error ellipse: s-maj=110.4km s-min=29.3km az=129.0.
ISC XII 18 09 21 35.5–.85 5.4S–.10 151.3E–.10 10 4.1b 19 2-85
IDC XII 18 09 21 33.5–2.1 4.99S 151.20E 0 4.0,3.9b **¶621656988**
NEIC XII 18 09 21 36.8–1.6 5.5S–.10 151.3E–.10 10–2 4.2b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 09 27 10.9–.55 5.80S–.08 152.1E–.10 10 4.3b,3.5s 46 2-151
IDC XII 18 09 27 09.3–.80 5.66S 151.96E 0 4.1b,4.1 **¶621656989**
NEIC XII 18 09 27 11.6–1.5 5.81S–.08 152.2E–.10 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 13 32 42.8–.41 5.76S–.05 151.88E–.08 36 4.7b,3.7s 73 2-151
IDC XII 18 13 32 37.3–.60 5.57S 151.93E 0 4.2b,4.2 **¶621657005**
NEIC XII 18 13 32 39.3–2.1 5.76S–.06 151.90E–.05 10–1 4.8b,4.2
DJA XII 18 13 32 39.8–.30 6S–3.0 153E–5.0 10 6.0b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 18 15 01 13.2–2.2 5.79S 151.96E 0 3.8b,3.8
¶621657009
IDC Error ellipse: s-maj=109.6km s-min=30.9km az=130.0.
IDC XII 21 19 21 04.3–4.6 4.82S 152.11E 0 3.5b,3.5
¶621685701
IDC Error ellipse: s-maj=138.7km s-min=37.9km az=107.0.
IDC XII 21 04 34 29.9–10 4.28S 152.38E 0 3.7b,3.7
¶621685664
IDC Error ellipse: s-maj=164.4km s-min=98.0km az=17.0.
ISC XII 22 04 55 12.5–.39 5.55S–.06 151.62E–.10 57 4.7b,3.5s 141 1-151
IDC XII 22 04 55 04.5–.62 5.42S 151.79E 0 4.4b,4.4 **¶621637452**
NEIC XII 22 04 55 11.5–1.0 5.53S–.07 151.6E–.10 35–1 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 18 49 54.3–.61 4.51S–.09 151.71E–.08 10 4.2b,3.5s 38 1-99
IDC XII 22 18 49 52.9–1.4 4.65S 151.53E 0 4.0b,4.0 **¶621686786**
NEIC XII 22 18 49 54.4–1.9 4.50S–.10 151.74E–.07 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 09 19 54.8–.25 4.63S–.03 152.71E–.04 59–1 5.2b,4.5s 811 1-158
DJA XII 22 09 19 48.2–.40 5S–5.0 153E–4.0 10 5.9,5.8b **¶621640256**
GFZ XII 22 09 19 49.8 4.65S 152.75E 54 5.3W,5.8b
MOS XII 22 09 19 52.6–.90 4.61S 152.72E 49 5.3b,5.8b
GFZ XII 22 09 19 53.8–.39 5S–2.0 153E–3.0 47–3 5.8b,5.5
IDC XII 22 09 19 53.7–1.0 4.64S 152.66E 47–8 5.1,4.9b
BJI XII 22 09 19 54.0 4.41S 153.08E 67 5.2b,4.9s
NEIC XII 22 09 19 54.9 4.62S 152.71E 52 5.2b,4.9s
NEIC XII 22 09 19 55.4 4.52S 152.81E 60 5.2,4.9s
NEIC XII 22 09 19 55.5–1.4 4.62S–.07 152.72E–.07 58–0 5.3b,4.9s
GCMT XII 22 09 19 56.2–.10 4.70S–.01 152.65E–.01 57–1 5.3W,4.9s
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87 $M_{\theta\theta}$1.62 $M_{\phi\phi}$-0.75 $M_{r\theta}$8.42 $M_{\theta\phi}$4.53 $M_{\phi r}$0.91 NP1: ϕ_s5.61648°,δ27.42497°,λ-171.54900°. NP2:ϕ_s268.10372°,δ86.11871°,λ-62.82995°. Principal axes: T 10.3863,Plg35.4347°,Azm334.7572°; N -1.5304,Plg27.1026°,Azm86.1139°; P -8.8559,Plg42.4932°,Azm204.0736° $M_0$9.71198×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ2 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.53 $M_{\theta\theta}$1.82 $M_{\phi\phi}$1.72 $M_{r\theta}$8.25 $M_{\theta\phi}$0.79 $M_{\phi r}$0.59 NP1:ϕ_s53.62000°,δ10.67000°,λ-119.49000°. NP2:ϕ_s263.53000°,δ80.72000°,λ-84.70000°. Principal axes: T 7.9698,Plg36.0000°,Azm349.0000°; N 1.5611,Plg5.0000°,Azm83.0000°; P -9.5308,Plg54.0000°,Azm180.0000° $M_0$8.85000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112220919A. Moment Tensor Solution. s96,c170; s125,c235;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29±.02 $M_{\theta\theta}$0.35±.02; $M_{\phi\phi}$-0.06±.02; $M_{r\theta}$1.03±.02; $M_{\theta\phi}$0.25±.02; $M_{\phi r}$0.14±.01; Best double couple: NP1:ϕ_s35.00000°

,δ13.00000°,λ-137.00000°. NP2:ϕ_s263.00000°,δ81.00000°,λ-80.00000°. Principal axes:
T 1.1750,Plg35.0000°,Azm344.0000°; N -0.1270,Plg10.0000°,Azm81.0000°
; P -1.0480,Plg53.0000°,Azm184.0000° $M_0$1.11200×10^{17}

IDC XII 22 16 20 01.9–2.1 5.36S 151.21E 0 3.4b,3.4 ¶621686778

IDC Error ellipse: s-maj=149.0km s-min=30.1km az=126.0.

IDC XII 24 19 15 50.0–2.1 4.27S 150.23E 0 3.3,3.2b ¶621700099

IDC Error ellipse: s-maj=177.3km s-min=29.6km az=124.0.

ISC XII 31 07 24 20.0–1.4 5.9S–.30 148.2E–.30 60 3.8b 6 19-85
IDC XII 31 07 24 11.7–1.6 5.87S 148.50E 0 4.1L,4.0b **¶621726050**
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=29.4km az=128.0.

ISC XII 26 14 45 05.2–.57 5.43S–.08 151.7E–.10 35 4.2b 29 1-90
IDC XII 26 14 45 01.2–2.0 5.41S 151.64E 0 3.8,3.7b **¶621700222**
NEIC XII 26 14 45 05.9–1.1 5.39S–.07 151.7E–.10 33–6 4.5b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC XII 27 00 11 19.3–2.2 4.89S 152.40E 0 3.6b,3.6 ¶621717273

IDC Error ellipse: s-maj=176.5km s-min=28.5km az=127.0.

ISC XII 27 15 56 04.0–.49 6.74S–.07 150.70E–.09 33 4.4b 65 3-125
IDC XII 27 15 55 59.2–1.4 6.64S 150.68E 0 4.0b,4.0 **¶621717323**
NEIC XII 27 15 56 01.6–.79 6.73S–.08 150.7E–.10 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 30 20 30 24.4–.33 6.00S–.05 148.11E–.05 73 4.8b 225 4-153
GFZ XII 30 20 30 23.8–.34 6S–5.0 148E–4.0 70 4.8b,4.8 **¶621657637**
NEIC XII 30 20 30 24.9–1.9 6.01S–.08 148.07E–.04 73–7 4.8b,4.8
IDC XII 30 20 30 24.7–.94 6.01S 147.85E 71–7 4.2,3.9b
DJA XII 30 20 30 29.8–.50 6S–4.0 148E–4.0 130–5 6.5b,6.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 28 10 41 11.3–.58 6.52S–.06 148.98E–.08 100 4.2b 40 4-85
NEIC XII 28 10 41 11.1–1.2 6.46S–.08 149.1E–.10 89–8 4.3b **¶621717384**
IDC XII 28 10 41 13.3–3.2 6.47S 148.99E 103–30 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=11.3km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.2km s-min=11.5km az=118.0.

IDC XII 29 18 02 35.8–3.2 4.55S 150.57E 0 3.8,3.7b ¶621724237

IDC Error ellipse: s-maj=81.8km s-min=28.0km az=87.0.

IDC XII 31 17 19 34.6–2.4 4.79S 152.11E 0 3.3,3.2b ¶621726072

IDC Error ellipse: s-maj=178.3km s-min=32.1km az=126.0.

ISC XII 31 22 57 36.5–1.5 4.9S–.20 151.9E–.30 100 3.6b 11 23-83
IDC XII 31 22 57 37.2–1.9 4.95S 151.86E 106–11 3.7,3.4b **¶621726095**
ISC Event type se.
IDC Error ellipse: s-maj=53.1km s-min=20.3km az=111.0.

IDC XII 31 19 43 48.4–5.5 7.05S 149.89E 0 3.8L,3.4 ¶621726081

IDC Error ellipse: s-maj=155.6km s-min=38.3km az=107.0.

(193) Bougainville-Solomon Islands region.

ISC VII 03 00 13 20.1–.53 10.25S–.07 160.87E–.09 67 4.0b 44 1-148
IDC VII 03 00 13 19.0–2.1 10.24S 160.90E 57–16 4.0,3.7b **¶620927780**
NEIC VII 03 00 13 18.5–.49 10.2S–.10 160.97E–.09 41–8 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 04 12 04 50.1–.34 7.42S–.05 155.96E–.06 38–2 4.8b,3.7s 258 4-161
IDC VII 04 12 04 44.9–.40 7.32S 155.80E 0 4.6b,4.6 **¶620733576**
NEIC VII 04 12 04 49.8–1.1 7.49S–.09 156.07E–.09 35–7 4.8b,4.6
GFZ VII 04 12 04 50.2–.65 7S–3.0 156E–3.0 45–7 4.9b,4.9
GCMT VII 04 12 04 50.6–.30 7.53S–.03 155.88E–.03 26–1 4.9W,4.9
BJI VII 04 12 04 50.5 7.02S 155.95E 43 4.9b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=11.6km az=74.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.3km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=7.4km s-min=5.8km az=96.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107041204A. Moment Tensor Solution. s24,c31; s66,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.59±.18 $M_{\theta\theta}$-1.70±.12; $M_{\phi\phi}$-0.88±.12; $M_{r\theta}$0.81±.19; $M_{\theta\phi}$1.00±.09; $M_{\phi r}$-1.13±.23; Best double couple: NP1:ϕ_s296.00000°,δ32.00000°,λ76.00000°. NP2:ϕ_s133.00000°,δ59.00000°,λ99.00000°. Principal axes:
T 2.9810,Plg74.0000°,Azm66.0000°; N -0.2770,Plg7.0000°,Azm309.0000°
; P -2.7000,Plg14.0000°,Azm217.0000° $M_0$2.84000×10^{16}

ISC VII 04 12 07 44.5–.57 7.31S–.09 155.9E–.10 44 4.3b 35 5-147
IDC VII 04 12 07 37.5–.99 7.23S 155.68E 0 4.1b,4.1 **¶620927874**
NEIC VII 04 12 07 44.6–1.7 7.3S–.10 155.9E–.10 35–2 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 04 12 09 55.6–.67 7.4S–.10 156.1E–.10 44 4.0b 21 4-85
IDC VII 04 12 09 50.1–5.9 7.39S 155.95E 0 3.8b,3.8 **¶620927875**
NEIC VII 04 12 09 55.6–1.4 7.4S–.10 156.1E–.10 35–2 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 05 23 18 26.8–.76 6.06S–.09 154.6E–.10 400 3.7b 36 3-126
IDC VII 05 23 18 24.2–5.1 6.00S 154.68E 374–50 4.1,3.3b **¶620927996**
NEIC VII 05 23 18 27.3–.57 6.0S–.10 154.6E–.20 398–6 4.0b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 06 11 44 47.6–.52 7.05S–.09 155.52E–.09 50 4.5b 59 4-148
IDC VII 06 11 44 40.5–.84 7.08S 155.60E 0 4.1b,4.1 **¶620928032**
NEIC VII 06 11 44 47.2–1.1 7.02S–.03 155.55E–.08 35–2 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC VII 07 00 01 34.4–4.9 7.33S 155.49E 0 4.1b,4.1 ¶620928069

IDC Error ellipse: s-maj=143.0km s-min=35.9km az=118.0.

ISC VII 07 01 24 17.2–.27 10.14S–.04 161.17E–.04 53–2 5.1b,4.2s 715 1-151
MOS VII 07 01 24 14.1–.62 10.03S 161.02E 34 5.3b,4.2s **¶621112211**
BJI VII 07 01 24 16.5 9.79S 161.18E 52 5.2b,5.2b
GFZ VII 07 01 24 17.1–.24 10S–3.0 161E–3.0 43–2 5.3,5.3b
NEIC VII 07 01 24 18.3–1.2 10.09S–.07 161.12E–.06 52–4 5.2b,5.3b
GCMT VII 07 01 24 18.4–.20 10.12S–.02 160.95E–.02 40–0 5.0W,5.3b
NOU VII 07 01 24 18.4 10.32S 160.97E 71 5.2b,5.3b
IDC VII 07 01 24 20.2–1.3 10.12S 161.05E 77–9 5.0,4.7b
ISC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=6.5km az=120.2.
GFZ Error ellipse: s-maj=6.8km s-min=5.6km az=91.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.2km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107070124A. Moment Tensor Solution. s60,c78; s92,c132; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.36±.17 $M_{\theta\theta}$0.16±.12; $M_{\phi\phi}$-3.53±.11; $M_{r\theta}$-1.68±.11; $M_{\theta\phi}$1.81±.11; $M_{\phi r}$0.13±.11; Best double couple: NP1:ϕ_s181.00000°,δ45.00000°,λ126.00000°. NP2:ϕ_s315.00000°,δ56.00000°,λ60.00000°. Principal axes:
T 4.1310,Plg65.0000°,Azm169.0000°; N 0.2100,Plg25.0000°,Azm333.0000°
; P -4.3470,Plg6.0000°,Azm66.0000° $M_0$4.23900×10^{16}
NOU Solomon Islands.
IDC Error ellipse: s-maj=12.6km s-min=10.3km az=94.0.

IDC VII 07 12 59 14.8–3.2 7.30S 155.22E 262–27 4.0,3.4b ¶620928117

IDC Error ellipse: s-maj=33.4km s-min=17.2km az=109.0.

ISC VII 09 16 32 59.2–1.4 6.8S–.10 154.3E–.20 39 3.6b 9 3-84
IDC VII 09 16 32 53.2–1.5 6.79S 154.48E 0 3.9,3.8b **¶620928274**
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=19.4km az=85.0.

ISC VII 10 07 04 57.9–.54 7.56S–.07 154.9E–.10 10 4.5b,3.5s 50 4-127
IDC VII 10 07 04 56.0–.64 7.63S 154.90E 0 4.8L,4.3b **¶620928338**
NEIC VII 10 07 04 58.4–1.1 7.6S–.10 154.9E–.20 10–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 12 15 33 52.3–.45 6.81S–.07 154.47E–.08 39 4.2b,3.5s 55 3-148
NEIC VII 12 15 33 48.6–1.5 6.84S–.08 154.58E–.09 10–1 4.4b,3.5s **¶620928495**
IDC VII 12 15 34 01.3–2.8 6.83S 154.29E 116–28 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=3.8km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.2km s-min=15.1km az=118.0.

ISC VII 13 16 34 36.1–.59 6.65S–.08 155.0E–.10 56 4.2b 46 4-153
IDC VII 13 16 34 27.6–.92 6.62S 155.27E 0 3.9,3.8b **¶620928544**
NEIC VII 13 16 34 34.5–.77 6.6S–.10 155.17E–.10 35–2 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 13 20 34 28.0–.57 10.16S–.06 161.32E–.07 50 4.1b 50 2-90
IDC VII 13 20 34 30.3–2.1 10.19S 161.21E 77–16 4.0,3.7b **¶620928559**
NEIC VII 13 20 34 31.4–1.3 10.25S–.09 161.20E–.10 79–8 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 15 13 26 38.2–.81 8.7S–.10 159.6E–.20 100 3.9b 16 1-96
IDC VII 15 13 26 38.2–.83 8.77S 159.58E 100–9 4.2,3.9b **¶620928643**
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=17.6km az=95.0.

ISC VII 17 06 29 27.7–.48 6.66S–.08 155.20E–.09 56 4.2b,3.4s 46 4-153
IDC VII 17 06 29 19.9–.58 6.60S 155.06E 0 4.1b,4.1 **¶620928755**
NEIC VII 17 06 29 34.6–1.7 6.67S–.07 155.0E–.10 113–6 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 17 11 20 43.2–.37 6.50S–.05 154.29E–.07 10 4.8b,4.0s 151 3-149
GFZ VII 17 11 20 42.7–.32 7S–4.0 154E–5.0 10 5.0b,5.0 **¶620833096**
IDC VII 17 11 20 42.0–.52 6.51S 154.31E 0 4.6b,4.5
BJI VII 17 11 20 42.3 6.50S 154.20E 10 5.1b,4.9s
NEIC VII 17 11 20 43.5–.95 6.47S–.08 154.32E–.09 10–1 4.8b,4.9s
GCMT VII 17 11 20 47.4–.30 6.44S–.03 153.97E–.03 28–0 4.9W,4.9s
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107171120A. Moment Tensor Solution. s27,c28; s68,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.91±.19 $M_{\theta\theta}$0.75±.12; $M_{\phi\phi}$2.16±.12; $M_{r\theta}$0.93±.21; $M_{\theta\phi}$-0.94±.08; $M_{\phi r}$1.13±.17; Best double couple: NP1:ϕ_s317.00000°,δ42.00000°,λ-119.00000°. NP2:ϕ_s174.00000°,δ55.00000°,λ-66.00000°. Principal axes:
T 2.7040,Plg7.0000°,Azm247.0000°; N 0.7420,Plg19.0000°,Azm340.0000°
; P -3.4460,Plg70.0000°,Azm138.0000° $M_0$3.07500×10^{16}

ISC VII 17 20 29 11.5–.78 11.34S–.08 163.0E–.10 35 4.0b,3.4s 30 4-92
IDC VII 17 20 29 03.8–1.8 11.30S 163.26E 0 4.0,3.9L **¶620928787**
NEIC VII 17 20 29 08.6–.62 11.30S–.06 163.03E–.08 10–1 4.3b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 18 20 50 30.1–.44 6.65S–.07 154.96E–.07 100 4.0b 49 4-148
IDC VII 18 20 50 28.6–2.7 6.55S 154.91E 82–26 4.1,3.8b **¶620928844**
NEIC VII 18 20 50 30.7–2.3 6.67S–.07 154.98E–.09 102–7 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 20 18 14 57.8–.53 10.13S–.07 161.38E–.07 85 4.1b 55 2-90
NEIC VII 20 18 14 57.8–1.6 10.13S–.08 161.39E–.08 77–7 4.2b **¶620961606**
IDC VII 20 18 14 58.9–2.1 10.16S 161.31E 94–15 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.6km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.5km s-min=16.1km az=72.0.

ISC VII 22 01 29 55.1–.55 4.70S–.08 155.04E–.09 493 4.4b 46 3-131
NEIC VII 22 01 29 56.3–1.1 4.69S–.10 155.03E–.09 503–8 4.5b **¶620967800**
IDC VII 22 01 29 57.4–4.1 4.81S 154.97E 513–52 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=11.8km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.0km s-min=17.5km az=34.0.

IDC VII 22 20 37 19.7–7.1 5.85S 154.52E 0 3.5b,3.5 ¶620967847

IDC Error ellipse: s-maj=205.2km s-min=43.4km az=112.0.

IDC VII 23 02 06 35.5–2.1 6.46S 154.18E 0 4.1L,3.7 ¶620967882

IDC Error ellipse: s-maj=42.3km s-min=39.0km az=48.0.

ISC VII 23 12 58 07.5–1.3 5.7S–.20 154.5E–.20 118 3.7b 6 20-85
IDC VII 23 12 57 52.9–1.4 5.49S 154.36E 0 4.0b,4.0 **¶620967916**
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=29.6km az=136.0.

ISC VII 24 11 53 55.5–1.0 7.1S–.20 157.2E–.10 35 3.8b,3.2s 7 4-71
IDC VII 24 11 53 51.0–1.1 7.12S 157.16E 0 4.2L,4.1 **¶620970213**
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=15.8km az=36.0.

ISC VII 24 13 19 49.7–.26 7.92S–.04 156.34E–.04 18 5.3s,5.1b 413 3-161
IDC VII 24 13 19 47.1–.39 7.87S 156.26E 0 5.0s,4.7b **¶620845671**
NEIC VII 24 13 19 48.6–2.1 7.90S–.05 156.41E–.07 10–1 5.1b,4.7b
MOS VII 24 13 19 48.6–.98 7.82S 156.29E 18 5.3b,4.7b
GCMT VII 24 13 19 52.8–.30 7.80S–.03 156.32E–.02 19–1 5.2W,4.7b
BJI VII 24 13 19 55.2 7.67S 156.42E 74 5.6s,5.5b
GFZ VII 24 13 19 56.1–.18 8S–3.0 156E–4.0 82 5.8,5.0b
DJA VII 24 13 19 58.5–.40 8S–4.0 156E–3.0 85–5 7.0b,6.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107241319A. Moment Tensor Solution. s19,c20; s77,c118; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.62±.51 $M_{\theta\theta}$-0.80±.31; $M_{\phi\phi}$-4.82±.31; $M_{r\theta}$-4.67±.90; $M_{\theta\phi}$2.97±.18; $M_{\phi r}$-2.22±.58; Best double couple: NP1:ϕ_s180.00000°,δ52.00000°,λ133.00000°. NP2:ϕ_s303.00000°,δ55.00000°,λ49.00000°. Principal axes:
T 8.9060,Plg58.0000°,Azm153.0000°; N -2.5040,Plg32.0000°,Azm330.0000°
; P -6.4030,Plg2.0000°,Azm61.0000° $M_0$7.65400×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC VII 25 01 36 39.1–.70 10.57S–.09 161.9E–.10 54 3.8b 17 2-94
IDC VII 25 01 36 40.7–2.4 10.60S 161.82E 70–20 3.9,3.6b **¶620973736**

ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=14.1km az=73.0.
ISC VII 25 19 36 48.6–.88 5.8S–.10 154.5E–.20 200 3.7b 11 16-85
IDC VII 25 19 36 50.0–6.3 5.81S 154.44E 213–62 3.9,3.3b **¶620973792**
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=21.3km az=77.0.
IDC VII 24 16 28 04.8–4.6 7.28S 155.26E 0 4.0s,3.7b
¶620970233
IDC Error ellipse: s-maj=129.3km s-min=38.3km az=119.0.
ISC VII 28 04 19 26.2–.64 10.57S–.08 162.46E–.09 39 4.0b 35 3-91
IDC VII 28 04 19 20.8–.88 10.56S 162.50E 0 4.0L,3.9 **¶620979592**
NEIC VII 28 04 19 21.8–1.3 10.4S–.10 162.6E–.10 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 27 11 47 20.9–6.7 7.07S 156.18E 0 3.5b,3.5
¶620978962
IDC Error ellipse: s-maj=168.0km s-min=42.2km az=105.0.
ISC VIII 03 02 01 08.8–.55 10.74S–.08 161.53E–.09 35 4.1b 35 2-97
NEIC VIII 03 02 01 09.2–1.2 10.73S–.10 161.6E–.10 35–8 4.3b **¶620995832**
IDC VIII 03 02 01 10.6–2.7 10.80S 161.42E 54–21 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=9.0km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.8km s-min=13.8km az=72.0.
ISC VIII 03 08 16 30.3–.48 10.79S–.07 161.49E–.08 28 4.3b,3.6s 46 2-97
NEIC VIII 03 08 16 31.7–1.4 10.72S–.09 161.54E–.10 36–4 4.3b,3.6s **¶620995859**
IDC VIII 03 08 16 32.6–1.8 10.79S 161.40E 46–15 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=9.4km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=10.8km az=70.0.
IDC VIII 03 08 47 36.4–7.1 10.60S 161.45E 75–50 3.4,3.1b
¶620995862
IDC Error ellipse: s-maj=64.0km s-min=42.8km az=88.0.
ISC VIII 07 14 51 29.7–.24 10.08S–.03 161.15E–.03 53–1 5.7b,4.5s 931 1-166
GFZ VIII 07 14 51 25.6 9.96S 161.01E 51 5.3W,4.5s **¶621237422**
BJI VIII 07 14 51 29.6 9.68S 161.07E 55 5.4b,5.3b
GFZ VIII 07 14 51 30.1–.12 10S–2.0 161E–2.0 48 5.6b,5.5
NOU VIII 07 14 51 30.9 10.08S 161.05E 58 5.7b,5.5
NEIC VIII 07 14 51 31.8 10.07S 161.10E 50 5.3,5.5
NEIC VIII 07 14 51 31.0–1.6 10.06S–.08 161.13E–.07 58–5 5.7b,5.5
NEIC VIII 07 14 51 31.5 10.07S 161.10E 61 5.7b,5.5
MOS VIII 07 14 51 31.2–.92 10.01S 161.02E 75 5.7b,5.5
GCMT VIII 07 14 51 32.3–.10 10.20S–.01 161.03E–.01 54–0 5.3W,5.5
IDC VIII 07 14 51 32.6–1.0 10.12S 161.06E 78–7 5.4,5.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.02 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-0.33 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.50 $M_{\phi r}$-0.29 NP1: ϕ_s138.29429°,δ50.58058°,λ106.89646°. NP2:ϕ_s292.72964°,δ42.33924°,λ70.52690°. Principal axes: T 1.0854,Plg76.3316°,Azm108.7197°; N -0.0365,Plg12.9751°,Azm307.3770° ; P -1.0489,Plg4.2245°,Azm216.4018° M_o1.06760×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Solomon Islands.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}9.10 $M_{\theta\theta}$-6.32 $M_{\phi\phi}$-2.78 $M_{r\theta}$0.43 $M_{\theta\phi}$4.96 $M_{\phi r}$-2.68 NP1:ϕ_s293.13000°,δ40.61000° ,λ71.44000°. NP2:ϕ_s136.99000°,δ51.90000°,λ105.27000°. Principal axes: T 9.6998,Plg77.0000°,Azm101.0000°; N 0.3045,Plg12.0000°,Azm307.0000° ; P -10.0043,Plg6.0000°,Azm216.0000° M_o9.86000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.3km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=6.0km az=119.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108071451A. Moment Tensor Solution. s113,c178; s132,c236;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$-0.71±.01; $M_{\phi\phi}$-0.09±.01; $M_{r\theta}$0.00±.01; $M_{\theta\phi}$0.74±.01; $M_{\phi r}$-0.36±.01; Best double couple: NP1: ϕ_s278.00000°,δ46.00000°,λ51.00000°. NP2:ϕ_s148.00000°,δ56.00000°,λ123.00000°. Principal axes: T 0.9710,Plg62.0000°,Azm114.0000°; N 0.2510,Plg27.0000°,Azm308.0000° ; P -1.2230,Plg6.0000°,Azm215.0000° M_o1.09700×10^{17}
IDC Error ellipse: s-maj=10.6km s-min=9.0km az=82.0.
ISC VIII 10 02 43 16.3–.59 7.03S–.09 154.7E–.10 39 4.1b 31 4-127
IDC VIII 10 02 43 10.3–.88 6.88S 154.90E 0 3.9b,3.9 **¶621008088**
NEIC VIII 10 02 43 14.0–1.4 7.1S–.10 154.6E–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 09 05 08 23.3–.41 7.93S–.06 158.87E–.07 55 4.4b,3.5s 76 2-147
NEIC VIII 09 05 08 22.8–.97 7.90S–.07 158.90E–.07 46–7 4.5b,3.5s **¶621007227**
IDC VIII 09 05 08 23.8–1.8 8.01S 158.88E 60–18 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.1km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.7km s-min=13.5km az=47.0.
IDC VIII 10 22 04 57.7–3.3 6.49S 154.70E 0 3.6b,3.6
¶621008146
IDC Error ellipse: s-maj=96.1km s-min=30.4km az=117.0.
ISC VIII 14 09 58 00.7–.87 10.33S–.09 160.81E–.10 62 3.7b 20 1-84
NEIC VIII 14 09 57 59.4–1.7 10.45S–.08 160.81E–.10 35–2 4.0b **¶621013477**
IDC VIII 14 09 58 02.2–2.5 10.37S 160.58E 54–21 3.8,3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=8.7km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.6km s-min=20.4km az=75.0.
ISC VIII 12 11 40 51.4–.29 9.84S–.04 159.56E–.05 10 4.9b,3.7s 250 1-158
BJI VIII 12 11 40 50.1 9.61S 159.63E 12 4.8s,4.8b **¶620983529**
GFZ VIII 12 11 40 52.0–.22 10S–4.0 160E–5.0 10 4.8b,4.8
IDC VIII 12 11 40 52.6–2.2 9.78S 159.62E 22–15 4.6,4.5b
NEIC VIII 12 11 40 53.9–1.6 9.76S–.07 159.63E–.08 26–4 4.9b,4.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 20 06 01.9–1.3 6.9S–.20 155.2E–.30 50 3.6b 7 5-153
IDC VIII 18 20 05 54.5–1.4 6.92S 155.31E 0 3.8b,3.8 **¶621030411**
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=28.3km az=116.0.
ISC VIII 15 12 24 35.6–.38 7.33S–.07 155.94E–.06 44 4.4b,3.8s 91 4-154
NEIC VIII 15 12 24 38.3–1.2 7.43S–.08 156.07E–.07 73–7 4.4b,3.8s **¶621023603**
IDC VIII 15 12 24 39.4–2.4 7.42S 155.94E 80–22 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=5.1km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.0km s-min=13.5km az=96.0.
ISC VIII 15 13 04 38.0–.64 7.3S–.10 155.76E–.09 35 4.0b 24 5-88
IDC VIII 15 13 04 33.5–.97 7.11S 155.79E 0 3.9,3.8L **¶621023608**
NEIC VIII 15 13 04 38.2–1.2 7.1S–.10 155.8E–.10 35–2 4.4b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 19 13 07 54.9–.71 8.1S–.10 158.41E–.09 100 4.2b 38 2-145
NEIC VIII 19 13 07 56.1–1.3 8.2S–.10 158.4E–.10 98–8 4.3b **¶621039194**
IDC VIII 19 13 07 56.6–1.9 8.18S 158.51E 115–21 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=11.6km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.7km s-min=21.2km az=140.0.
IDC VIII 31 23 02 54.1–1.8 4.54S 154.09E 0 3.8b,3.8
¶621076659
IDC Error ellipse: s-maj=61.2km s-min=33.3km az=95.0.
ISC VIII 28 16 02 46.5–1.1 8.0S–.20 158.1E–.20 35 3.6b 7 2-86
IDC VIII 28 16 02 41.9–1.3 7.84S 157.96E 0 3.9L,3.9 **¶621073119**
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=21.0km az=34.0.
ISC VIII 30 00 07 26.0–.72 10.68S–.10 161.5E–.10 35 4.0b 25 2-94
IDC VIII 30 00 07 20.9–.93 10.58S 161.50E 0 4.0,3.9b **¶621076473**
NEIC VIII 30 00 07 27.0–1.4 10.60S–.09 161.43E–.09 40–8 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 15 15 16.9–.47 9.33S–.09 158.97E–.06 27 4.3b 47 1-122
IDC VIII 24 15 15 13.3–.63 9.24S 158.89E 0 4.1L,4.1b **¶621049338**
NEIC VIII 24 15 15 17.0–1.1 9.33S–.10 159.00E–.05 23–2 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 06 06 33 57.0–.81 7.1S–.20 155.2E–.10 150 4.1b 10 5-84
IDC IX 06 06 33 56.9–3.3 7.11S 155.21E 149–32 4.2,3.7b **¶621094236**
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=19.1km az=114.0.
IDC VIII 31 22 49 35.9–5.2 8.09S 157.42E 0 4.0,3.9b
¶621076653
IDC Error ellipse: s-maj=111.7km s-min=19.0km az=9.0.
ISC IX 04 23 41 38.9–.38 5.49S–.04 154.17E–.05 170–3 4.8b 269 2-125
BJI IX 04 23 41 37.5 5.05S 154.50E 166 5.2b,4.7b **¶621035451**
IDC IX 04 23 41 38.0–.60 5.46S 154.15E 160–5 4.6,4.1b
NEIC IX 04 23 41 38.4–1.0 5.49S–.08 154.22E–.08 166–7 4.9b,4.1b
GCMT IX 04 23 41 42.4–.40 5.36S–.03 154.17E–.02 173–4 5.0W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109042341A. Moment Tensor Solution. s18,c18; s71,c85; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.24±.18 $M_{\theta\theta}$0.66±.16; $M_{\phi\phi}$0.58±.17; $M_{r\theta}$-0.21±.15; $M_{\theta\phi}$3.99±.18; $M_{\phi r}$-2.43±.16; Best double couple: NP1:ϕ_s269.00000°,δ56.00000° ,λ-11.00000°. NP2:ϕ_s5.00000°,δ81.00000°,λ-145.00000°. Principal axes: T 5.1780,Plg17.0000°,Azm132.0000°; N -0.8750,Plg54.0000°,Azm17.0000° ; P -4.2990,Plg30.0000°,Azm232.0000° M_o4.73800×10^{16}
ISC IX 04 18 43 38.5–.21 6.42S–.03 154.93E–.03 59–1 5.5b,4.5s 1242 4-160
GFZ IX 04 18 43 33.7 6.33S 154.89E 50 5.3W,4.5s **¶621035435**
BJI IX 04 18 43 35.6 6.19S 155.41E 59 5.6b,5.2b
MOS IX 04 18 43 37.2–.87 6.34S 154.88E 54 5.8b,4.8s
GFZ IX 04 18 43 38.6–.24 6S–2.0 155E–2.0 52–2 5.6b,5.4
GCMT IX 04 18 43 39.7–.10 6.62S–.01 154.78E–.01 50–0 5.3W,5.4
NEIC IX 04 18 43 39.9–1.4 6.40S–.08 154.92E–.07 61–1 5.5b,5.4
NEIC IX 04 18 43 40.3 6.30S 154.92E 50 5.4,5.4
NEIC IX 04 18 43 40.1 6.40S 154.92E 62 5.4,5.4
IDC IX 04 18 43 41.5–1.6 6.39S 154.89E 80–13 5.5,5.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.00 $M_{\theta\phi}$0.54 $M_{\phi r}$0.12 NP1: ϕ_s133.47935°,δ42.76143°,λ83.01040°. NP2:ϕ_s322.95958°,δ47.63110°,λ96.42067°. Principal axes: T 1.0371,Plg84.6655°,Azm291.2296°; N 0.0236,Plg4.7392°,Azm138.6228° ; P -1.0606,Plg2.4432°,Azm48.4201° M_o1.04903×10^{17}
MOS Error ellipse: s-maj=6.4km s-min=4.9km az=107.5.
GFZ Error ellipse: s-maj=4.6km s-min=4.2km az=69.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109041843A. Moment Tensor Solution. s130,c219; s132,c222;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.30±.02 $M_{\theta\theta}$-0.73±.01; $M_{\phi\phi}$-0.56±.01; $M_{r\theta}$-0.05±.01; $M_{\theta\phi}$0.75±.01; $M_{\phi r}$-0.02±.01; Best double couple: NP1: ϕ_s134.00000°,δ44.00000°,λ93.00000°. NP2:ϕ_s310.00000°,δ46.00000°,λ87.00000°. Principal axes: T 1.3020,Plg88.0000°,Azm145.0000°; N 0.1040,Plg2.0000°,Azm312.0000° ; P -1.4050,Plg1.0000°,Azm42.0000° M_o1.35400×10^{17}
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.0km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$-0.58 $M_{r\theta}$0.04 $M_{\theta\phi}$0.74 $M_{\phi r}$0.02 NP1:ϕ_s313.32000°,δ44.67000° ,λ92.78000°. NP2:ϕ_s129.41000°,δ45.40000°,λ87.26000°. Principal axes: T 1.3530,Plg88.0000°,Azm322.0000°; N 0.0654,Plg2.0000°,Azm131.0000° ; P -1.4184,Plg0.0000°,Azm221.0000° M_o1.39000×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=10.4km s-min=8.6km az=105.0.
ISC IX 08 09 00 42.8–.48 6.96S–.07 154.91E–.08 41 4.2b,3.5s 41 4-96
IDC IX 08 09 00 36.8–.76 6.90S 154.86E 0 4.1b,4.1 **¶621105773**
NEIC IX 08 09 00 39.3–1.5 7.00S–.04 154.98E–.09 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 07 12 31 10.0–1.3 8.1S–.10 159.6E–.20 35 4.1b 10 1-145
IDC IX 07 12 31 05.5–1.3 8.05S 159.50E 0 4.3,4.2b **¶621094324**
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=16.9km az=72.0.
ISC IX 08 09 26 06.4–.62 9.7S–.10 159.50E–.08 26 4.2b 31 0-88
IDC IX 08 09 26 02.3–.80 9.60S 159.42E 0 3.9b,3.9 **¶621105774**
NEIC IX 08 09 26 04.3–.78 9.72S–.07 159.43E–.05 6–5 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 14 58 56.3–.43 10.29S–.06 161.32E–.07 100 4.3b 88 2-96
NEIC IX 10 14 58 56.8–1.0 10.28S–.08 161.30E–.09 102–7 4.4b **¶621108526**
IDC IX 10 14 58 57.4–1.6 10.27S 161.26E 106–12 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.9km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=11.7km az=86.0.
ISC IX 12 20 19 20.7–1.1 10.5S–.10 161.4E–.10 50 3.2b 9 2-90
IDC IX 12 20 19 21.6–2.9 10.57S 161.31E 58–23 3.7L,3.7 **¶621109674**
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=18.1km az=69.0.
ISC IX 11 05 20 12.2–6.3 7.1S–.50 156E–1.0 62 3.7b 6 5-84
IDC IX 11 05 20 04.1–6.8 7.07S 155.88E 0 3.7b,3.7 **¶621108560**
ISC Event type se.
IDC Error ellipse: s-maj=184.5km s-min=30.4km az=110.0.
ISC IX 12 01 26 22.6–.69 11.18S–.09 161.65E–.10 28 4.2b,3.6s 25 2-91
IDC IX 12 01 26 18.2–1.2 11.14S 161.66E 0 4.1,4.0b **¶621109628**
NEIC IX 12 01 26 20.6–.85 11.19S–.09 161.66E–.09 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 16 20 50 42.2–.47 5.97S–.07 154.76E–.08 150 4.4b 94 3-98
NEIC IX 16 20 50 42.1–2.0 5.99S–.09 154.8E–.10 146–7 4.4b **¶621081663**
IDC IX 16 20 50 44.2–4.5 6.07S 154.69E 170–42 4.4,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=12.7km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.4km s-min=14.8km az=51.0.
ISC IX 13 13 06 54.2–.48 8.81S–.09 157.56E–.06 17 4.2b,3.3s 38 2-98

IDC IX 13 13 06 51.8–.70 8.78S 157.47E 0 3.9b,3.9 ¶621109709
NEIC IX 13 13 06 52.8–.69 8.79S–.10 157.56E–.07 3–4 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 13 17 53 48.8–.60 8.4S–.10 157.18E–.07 19 4.2b,3.3s 28 3-95
IDC IX 13 17 53 46.1–.86 8.41S 157.13E 0 4.0L,4.0b ¶621109716
NEIC IX 13 17 53 47.7–1.9 8.4S–.10 157.23E–.10 10–1 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 13 17 56 40.1–1.6 8.39S 156.69E 0 4.2L,3.7
¶621109717
IDC Error ellipse: s-maj=45.7km s-min=17.9km az=6.0.
ISC IX 17 04 26 53.7–.54 11.17S–.08 162.04E–.08 36 4.1b,4.0s 39 3-149
IDC IX 17 04 26 48.2–.71 11.10S 162.05E 0 4.1L,4.1b ¶621112930
NEIC IX 17 04 26 50.0–2.3 11.04S–.06 162.19E–.05 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 00 04 29.8–.45 11.19S–.07 161.97E–.07 36 4.2b,4.0s 56 3-149
IDC IX 17 00 04 23.4–.87 11.06S 162.09E 0 4.2,4.1L ¶621080891
NEIC IX 17 00 04 27.0–1.7 11.18S–.05 161.95E–.06 10–1 4.6b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 04 28 36.0–.69 11.02S–.10 161.98E–.09 36 4.2b,3.7s 36 3-115
IDC IX 17 04 28 30.2–1.0 10.92S 162.04E 0 4.2,4.1L ¶621112931
NEIC IX 17 04 28 33.1–1.4 10.98S–.06 162.04E–.08 10–1 4.5b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 00 04 58.9–.29 11.37S–.05 162.15E–.05 10 4.9b,4.5s 263 3-161
IDC IX 17 00 04 55.7–.49 11.10S 161.99E 0 4.5L,4.3 ¶621112917
BJI IX 17 00 04 58.8 11.40S 162.20E 10 5.1b,4.8s
GFZ IX 17 00 04 58.2–.26 11S–4.0 162E–4.0 10 5.7,5.6
NEIC IX 17 00 04 59.6–1.8 11.43S–.06 162.12E–.07 10–1 5.0b,5.6
GCMT IX 17 00 05 01.0–.20 11.18S–.01 161.93E–.01 22–1 5.0W,5.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109170004A. Moment Tensor Solution. s51,c66; s96,c132; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.55±.17 $M_{\theta\theta}$-1.71±.12; $M_{\phi\phi}$-0.84±.11; $M_{r\theta}$1.07±.17; $M_{\theta\phi}$2.55±.09; $M_{\phi r}$-3.18±.23; Best double couple: NP1:ϕ_s281.00000°,δ31.00000°,λ40.00000°. NP2:ϕ_s155.00000°,δ71.00000°,λ115.00000°. Principal axes: T 4.4890,Plg57.0000°,Azm98.0000°; N 0.5330,Plg23.0000°,Azm326.0000°; P -5.0220,Plg22.0000°,Azm226.0000° $M_0$4.75500×10^{16}
ISC IX 17 18 45 00.8–.29 11.22S–.04 162.10E–.04 36 4.9b,4.6s 269 1-149
IDC IX 17 18 44 55.9–.57 11.14S 162.07E 0 4.5s,4.3b ¶621082821
NEIC IX 17 18 44 57.0–1.5 11.18S–.07 162.07E–.08 10–1 5.3,5.0b
BJI IX 17 18 44 58.4 11.38S 161.41E 9 5.1s,5.0b
GFZ IX 17 18 44 59.6–.25 11S–4.0 162E–4.0 10 5.4,5.4b
NOU IX 17 18 45 00.2 11.15S 162.03E 24 4.9b,5.4b
GCMT IX 17 18 45 03.0–.10 11.16S–.01 162.00E–.01 14–0 5.2W,5.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOU Solomon Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109171844A. Moment Tensor Solution. s85,c138; s133,c229;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.47±.01 $M_{\theta\theta}$-0.46±.01; $M_{\phi\phi}$0.00±.01; $M_{r\theta}$0.32±.03; $M_{\theta\phi}$0.51±.01; $M_{\phi r}$-0.60±.04; Best double couple: NP1: ϕ_s271.00000°,δ32.00000°,λ36.00000°. NP2:ϕ_s149.00000°,δ72.00000°,λ116.00000°. Principal axes: T 0.8790,Plg55.0000°,Azm92.0000°; N 0.1560,Plg25.0000°,Azm320.0000°; P -1.0360,Plg23.0000°,Azm219.0000° $M_0$0.95800×10^{17}
ISC IX 17 00 21 33.1–.77 10.7S–.10 162.14E–.09 10 4.1b 22 2-83
IDC IX 17 00 21 32.4–4.7 10.72S 162.15E 0 4.0,3.9b ¶621112919
NEIC IX 17 00 21 33.5–1.7 10.69S–.10 162.14E–.09 10–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 17 01 43 33.1–6.8 11.33S 161.67E 0 4.0,3.9L
¶621112923
IDC Error ellipse: s-maj=115.1km s-min=23.1km az=75.0.
ISC IX 17 12 17 13.2–1.5 11.4S–.10 161.8E–.20 39 3.3b 7 3-53
IDC IX 17 12 17 08.9–2.0 11.38S 161.76E 0 3.8,3.6L ¶621112959
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=17.8km az=65.0.
ISC IX 17 19 21 52.1–.87 11.16S–.10 162.1E–.10 36 3.9b,3.6s 25 3-91
NEIC IX 17 19 21 48.4–1.1 11.07S–.07 162.11E–.10 10–1 4.3b,3.6s ¶621112981
IDC IX 17 19 21 48.0–1.7 11.19S 161.91E 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=9.0km az=244.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.3km s-min=19.6km az=62.0.
ISC IX 18 15 21 32.3–.57 11.15S–.07 162.13E–.08 36 4.3b,3.8s 42 3-144
NEIC IX 18 15 21 29.8–1.4 11.10S–.09 162.10E–.06 10–1 4.4b,3.8s ¶621113572
IDC IX 18 15 21 34.6–2.4 11.12S 162.03E 65–19 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=5.0km az=27.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.4km s-min=15.5km az=74.0.
ISC IX 18 04 54 26.5–.60 11.22S–.07 162.08E–.10 36 4.4b,3.8s 38 3-149
NEIC IX 18 04 54 23.3–2.0 11.11S–.09 162.12E–.07 10–1 4.7b,3.8s ¶621113546
IDC IX 18 04 54 26.4–6.7 11.13S 161.96E 33–51 4.2L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=6.9km az=30.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.8km s-min=21.3km az=27.0.
ISC IX 18 05 27 37.6–.98 11.2S–.10 162.1E–.10 36 3.8b,3.5s 11 3-91
IDC IX 18 05 27 38.6–2.4 11.21S 162.00E 43–25 4.0,3.8L ¶621113548
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=17.3km az=48.0.
IDC IX 17 23 34 47.8–3.1 10.99S 161.96E 0 3.6b,3.6
¶621112988
IDC Error ellipse: s-maj=108.3km s-min=32.4km az=130.0.
ISC IX 18 16 25 51.8–1.2 11.3S–.10 161.9E–.20 39 3.9b,3.7s 11 3-99
IDC IX 18 16 25 45.9–1.3 11.32S 161.95E 0 4.0L,4.0b ¶621113574
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=19.9km az=70.0.
ISC IX 18 17 13 03.0–.53 11.34S–.07 162.02E–.08 10 4.6b,4.0s 53 3-133
IDC IX 18 17 13 01.8–1.0 11.32S 161.93E 0 4.0b,4.0 ¶621113578
NEIC IX 18 17 13 03.4–1.8 11.30S–.08 162.00E–.09 10–1 4.7b,4.0
GCMT IX 18 17 13 06.7–.30 11.18S–.03 162.00E–.02 15–1 5.0W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109181713A. Moment Tensor Solution. s15,c17; s73,c95; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.84±.13 $M_{\theta\theta}$-0.82±.09; $M_{\phi\phi}$-0.02±.08; $M_{r\theta}$0.93±.30; $M_{\theta\phi}$1.38±.07; $M_{\phi r}$-3.23±.67; Best double couple: NP1:ϕ_s270.00000°,δ22.00000°,λ19.00000°. NP2:ϕ_s162.00000°,δ83.00000°,λ111.00000°. Principal axes: T 3.6790,Plg48.0000°,Azm94.0000°; N 0.0970,Plg21.0000°,Azm339.0000°; P -3.7750,Plg34.0000°,Azm234.0000° $M_0$3.72700×10^{16}
ISC IX 19 18 04 35.7–.62 11.39S–.07 162.04E–.09 39 4.1b,3.6s 35 3-98
IDC IX 19 18 04 31.4–.93 11.23S 162.06E 0 4.0,3.9L ¶621113632
NEIC IX 19 18 04 32.0–1.9 11.38S–.08 162.04E–.09 10–1 4.4b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 13 49 16.0–.68 11.38S–.10 162.08E–.10 10 3.9b 22 3-91
IDC IX 18 13 49 16.6–2.0 11.35S 161.94E 0 3.9b,3.9 ¶621113566
NEIC IX 18 13 49 16.2–2.2 11.36S–.10 162.1E–.10 10–1 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 10 35 12.6–1.7 7.1S–.20 155.5E–.40 150 3.7b 9 16-84
IDC IX 18 10 35 12.5–13 7.13S 155.48E 148–112 3.9,3.4L ¶621113562
ISC Event type se.
IDC Error ellipse: s-maj=71.6km s-min=26.5km az=73.0.
ISC IX 18 22 06 08.6–.47 7.05S–.05 155.67E–.05 50–4 4.8b,3.6s 207 5-154
BJI IX 18 22 06 07.4 6.83S 155.56E 39 4.8b,4.8b ¶621241018
NEIC IX 18 22 06 08.8–1.3 7.07S–.08 155.70E–.06 49–4 4.9b,4.8b
IDC IX 18 22 06 10.0–2.1 7.05S 155.62E 62–19 4.5,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=6.9km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.4km s-min=11.3km az=72.0.
ISC IX 24 13 02 57.6–1.0 10.0S–.10 159.9E–.20 32 3.6b 8 1-89
IDC IX 24 13 02 53.1–1.2 10.03S 159.83E 0 4.2L,3.7 ¶621126438
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=18.5km az=118.0.
ISC IX 23 11 23 20.8–.77 9.5S–.10 159.41E–.09 26 4.1b,3.4s 20 1-90
IDC IX 23 11 23 17.3–1.0 9.47S 159.32E 0 3.9b,3.9 ¶621125853
NEIC IX 23 11 23 19.3–1.0 9.4S–.10 159.36E–.05 10–1 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 02 22 13.5–.77 11.06S–.09 162.14E–.10 36 4.2b,3.6s 28 3-115
NEIC IX 21 02 22 09.9–.73 10.93S–.08 162.2E–.10 10–1 4.5b,3.6s ¶621116016
IDC IX 21 02 22 09.5–1.6 11.10S 161.89E 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=6.8km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.2km s-min=22.3km az=68.0.
ISC IX 22 06 23 02.8–.57 11.50S–.08 162.76E–.09 10 4.3b,3.4s 39 3-97
IDC IX 22 06 23 01.0–.68 11.52S 162.70E 0 4.5L,4.1b ¶621118121
NEIC IX 22 06 23 02.7–1.9 11.49S–.08 162.8E–.10 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 07 04 36.6–1.5 11.5S–.10 162.3E–.20 39 3.6b,3.5s 7 3-85
IDC IX 21 07 04 41.1–2.8 11.38S 162.04E 75–23 3.9,3.5s ¶621116022
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=18.5km az=72.0.
ISC IX 23 18 59 38.6–.29 7.01S–.05 155.86E–.05 100 4.7b 241 5-161
BJI IX 23 18 59 36.6 6.67S 156.15E 93 5.0b,4.6b ¶621125875
IDC IX 23 18 59 36.9–1.6 6.97S 155.80E 79–14 4.6,4.3b
GFZ IX 23 18 59 38.2–.65 7S–3.0 156E–3.0 97–6 5.1L,4.8b
NEIC IX 23 18 59 38.6–1.9 7.05S–.09 155.79E–.08 97–6 4.9b,4.8b
DJA IX 23 18 59 40.5–.60 7S–6.0 156E–6.0 113–6 6.2b,5.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 23 03 50.4–1.0 9.6S–.30 159.5E–.20 26 4.0b 6 0-88
IDC IX 27 23 03 46.9–1.1 9.43S 159.36E 0 3.9b,3.9 ¶621140748
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=13.6km az=172.0.
IDC IX 25 09 59 32.6–8.3 10.35S 161.68E 0 3.6b,3.6
¶621131449
IDC Error ellipse: s-maj=242.9km s-min=53.9km az=123.0.
ISC IX 26 14 21 11.5–.41 6.24S–.07 154.37E–.07 35 4.2b,3.5s 60 3-152
IDC IX 26 14 21 09.9–3.5 6.18S 154.35E 29–25 4.0,3.9L ¶621131516
NEIC IX 26 14 21 11.8–1.6 6.29S–.09 154.48E–.08 35–2 4.4b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 20 28 51.9–1.2 9.6S–.30 159.7E–.30 26 3.8b 6 0-88
IDC IX 27 20 28 48.9–1.1 9.44S 159.37E 0 3.7b,3.7 ¶621140736
ISC Event type se.
IDC Error ellipse: s-maj=37.8km s-min=13.6km az=171.0.
ISC IX 27 15 39 24.1–.80 9.86S–.05 159.8E–.10 32 3.9b 15 0-89
IDC IX 27 15 39 18.1–1.6 10.15S 160.21E 0 3.7b,3.7 ¶621140728
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=21.7km az=98.0.
ISC X 02 00 54 27.5–.30 7.18S–.05 154.95E–.05 10 5.0b,4.0s 201 4-148
IDC X 02 00 54 25.5–.52 7.12S 154.85E 0 4.4b,4.4 ¶621116394
BJI X 02 00 54 27.0 6.92S 155.23E 18 5.2b,4.9b
NEIC X 02 00 54 28.1–1.6 7.22S–.03 154.91E–.08 10–1 5.1b,4.9b
GCMT X 02 00 54 32.4–.20 7.23S–.02 154.78E–.02 20–0 5.0W,4.9b
DJA X 02 00 54 43.2–.60 8S–4.0 155E–4.0 105–6 5.6,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110020054A. Moment Tensor Solution. s48,c56; s107,c139; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.50±.16 $M_{\theta\theta}$-1.84±.11; $M_{\phi\phi}$-1.66±.10; $M_{r\theta}$1.32±.21; $M_{\theta\phi}$1.15±.06; $M_{\phi r}$-1.62±.20; Best double couple: NP1:ϕ_s310.00000°,δ29.00000°,λ84.00000°. NP2:ϕ_s137.00000°,δ62.00000°,λ93.00000°. Principal axes: T 4.1270,Plg73.0000°,Azm55.0000°; N -0.6110,Plg3.0000°,Azm315.0000°; P -3.5160,Plg16.0000°,Azm224.0000° $M_0$3.82200×10^{16}
ISC X 01 02 59 38.8–.41 8.39S–.07 156.44E–.06 21 4.6b,3.8s 81 4-146
IDC X 01 02 59 35.4–.52 8.39S 156.40E 0 4.3b,4.3 ¶621147804
NEIC X 01 02 59 37.5–1.6 8.42S–.05 156.45E–.07 10–1 4.8b,4.3
DJA X 01 02 59 56.2–2.5 9S–7.0 156E–14 135–19 6.5b,6.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 02 01 05 32.7–1.6 6.97S 154.74E 0 3.8s,3.6
¶621186037
IDC Error ellipse: s-maj=76.6km s-min=31.9km az=133.0.
ISC X 02 09 14 57.4–1.6 7.1S–.20 154.7E–.40 10 3.9b 9 23-84
IDC X 02 09 14 55.0–1.2 7.10S 154.82E 0 3.8b,3.8 ¶621186057
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=21.3km az=105.0.
ISC X 02 09 43 13.2–.41 7.29S–.06 154.93E–.07 31 4.5b 73 4-148
IDC X 02 09 43 09.1–.57 7.06S 154.85E 0 4.2b,4.2 ¶621186058
NEIC X 02 09 43 10.6–1.4 7.33S–.05 154.91E–.10 10–1 4.6b,4.2
DJA X 02 09 43 26.5–.70 7S–6.0 154E–7.0 52–10 5.6b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 02 06 28 41.0–1.0 7.2S–.10 155.1E–.20 10 4.5b 33 4-84
IDC X 02 06 28 39.0–1.5 7.25S 155.11E 0 4.3b,4.3 ¶621630024
NEIC X 02 06 28 42.2–1.6 7.2S–.20 155.1E–.10 10–2 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 03 39 36.2–.54 8.97S–.08 160.75E–.08 43 4.3b 42 1-147
NEIC X 04 03 39 33.1–2.6 8.9S–.10 160.75E–.08 10–1 4.4b ¶621203092
IDC X 04 03 39 37.5–1.9 9.02S 160.79E 55–15 4.2,3.9b

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=13.1km az=353.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=19.6km az=142.0.
ISC X 03 23 54 54.0–1.3 7.2S–.20 155.0E–.30 41 4.0b,3.6s 9 15-94
IDC X 03 23 54 47.8–1.4 7.17S 155.01E 0 4.0b,4.0 **¶621186155**
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=21.7km az=107.0.
IDC X 03 23 58 41.3–1.8 7.03S 154.83E 0 3.8b,3.8
¶621186156
IDC Error ellipse: s-maj=75.9km s-min=26.9km az=120.0.
ISC X 02 02 17 13.3–.45 7.09S–.04 154.84E–.04 15–2 5.5b,4.8s 706 4-150
BJI X 02 02 17 09.6 6.78S 155.40E 9 5.7b,5.3b **¶621630023**
IDC X 02 02 17 10.4–.39 7.09S 154.93E 0 4.8b,4.8
MOS X 02 02 17 11.4–1.2 7.02S 154.76E 10 5.5b,4.9s
GFZ X 02 02 17 13.7 7.06S 154.80E 12 5.4W,4.9s
NEIC X 02 02 17 13.2–2.4 7.11S–.08 154.80E–.09 10–1 5.6b,4.9s
NEIC X 02 02 17 13.2 7.11S 154.80E 10 5.6b,4.9s
GFZ X 02 02 17 13.7–.15 7S–3.0 155E–3.0 10 5.9b,5.6
NEIC X 02 02 17 13.7 7.01S 154.80E 18 5.4,5.6
DJA X 02 02 17 15.1–.20 7S–3.0 155E–3.0 10 6.2,5.8b
GCMT X 02 02 17 17.3–.10 7.19S–.01 154.79E–.01 12 5.5W,5.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}1.38 $M_{\theta\theta}$-0.88 $M_{\phi\phi}$-0.50 $M_{r\theta}$0.82 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.23 NP1:
ϕ_s116.23541°,δ60.68363°,λ78.72922°. NP2:ϕ_s318.38267°,δ31.22769°,λ109.19033°.
Principal axes: T 1.6498,Plg71.9670°,Azm359.7200°; N -0.0172,Plg9.8120°,Azm121.8086°
; P -1.6326,Plg14.9772°,Azm214.4604° $M_0$1.64129×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm;
M_{rr}1.72 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$-0.64 $M_{r\theta}$0.55 $M_{\theta\phi}$0.66 $M_{\phi r}$-0.70 NP1:ϕ_s299.84000°,δ31.45000°
,λ79.03000°. NP2:ϕ_s132.64000°,δ59.18000°,λ96.64000°. Principal axes:
T 1.9563,Plg75.0000°,Azm61.0000°; N -0.1891,Plg6.0000°,Azm309.0000°
; P -1.7672,Plg14.0000°,Azm218.0000° $M_0$1.87000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110020217A. Moment Tensor Solution. s136,c245;
s156,c308;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.52±.01 $M_{\theta\theta}$-0.90±.01;
$M_{\phi\phi}$-0.61±.01; $M_{r\theta}$1.32±.04; $M_{\theta\phi}$0.76±.01; $M_{\phi r}$-0.97±.04; Best double couple: NP1:
ϕ_s312.00000°,δ22.00000°,λ95.00000°. NP2:ϕ_s127.00000°,δ69.00000°,λ88.00000°.
Principal axes: T 2.2330,Plg66.0000°,Azm34.0000°; N 0.0090,Plg2.0000°,Azm128.0000°
; P -2.2420,Plg23.0000°,Azm219.0000° $M_0$2.23800×10^{17}
ISC X 02 02 43 21.2–1.7 7.0S–.10 155.1E–.40 10 4.0b 9 16-83
IDC X 02 02 43 19.3–1.3 7.11S 155.05E 0 4.0b,4.0 **¶621186042**
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=21.3km az=104.0.
ISC X 04 10 40 26.9–.88 7.5S–.20 155.7E–.10 100 4.0b 11 5-93
IDC X 04 10 40 27.8–3.7 7.54S 155.78E 112–39 4.2,3.8b **¶621203116**
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=21.6km az=130.0.
ISC X 05 11 46 01.4–.31 10.21S–.04 161.53E–.04 85 4.7b 216 0-99
NEIC X 05 11 46 02.9–.92 10.20S–.08 161.54E–.08 98–6 4.7b **¶621125895**
NOU X 05 11 46 03.8 10.30S 161.45E 66 4.9b
GFZ X 05 11 46 03.4–.22 10S–4.0 162E–4.0 96 5.7L,4.8b
IDC X 05 11 46 03.1–.44 10.24S 161.41E 105–3 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.2km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=9.4km s-min=7.7km az=37.0.
ISC X 05 12 13 30.1–.87 9.8S–.10 160.3E–.10 37 3.5b 10 1-97
IDC X 05 12 13 24.8–1.0 9.86S 160.37E 0 3.7b,3.7 **¶621203172**
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=16.9km az=61.0.
ISC X 06 08 56 44.6–.57 7.00S–.09 154.8E–.10 41 4.1b 33 4-153
IDC X 06 08 56 38.9–.78 6.94S 154.74E 0 4.0b,4.0 **¶621217136**
NEIC X 06 08 56 40.8–1.2 6.94S–.10 154.8E–.20 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 01 29 14.1–.88 6.9S–.20 154.6E–.20 50 3.9b,3.2s 14 6-92
IDC X 06 01 29 13.4–1.0 6.90S 154.56E 44–7 3.8,3.7L **¶621217120**
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=17.9km az=125.0.
ISC X 09 06 23 47.3–.48 6.76S–.07 155.69E–.08 100 4.2b 41 4-148
IDC X 09 06 23 46.7–1.0 6.71S 155.69E 97–8 4.3,3.9b **¶621235310**
NEIC X 09 06 23 48.3–1.2 6.75S–.10 155.72E–.07 107–8 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 10 47 10.5–.47 6.99S–.07 155.16E–.07 41 4.4b,3.4s 45 4-99
NEIC X 06 10 47 10.5–1.4 7.06S–.10 155.30E–.09 35–2 4.6b,3.4s **¶621217147**
IDC X 06 10 47 12.0–2.3 6.91S 155.09E 56–20 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=13.0km az=38.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=16.4km az=174.0.
IDC X 06 14 40 26.5–5.0 6.96S 155.11E 0 3.6b,3.6
¶621217154
IDC Error ellipse: s-maj=152.7km s-min=41.6km az=115.0.
IDC X 06 15 47 06.5–2.9 7.08S 154.51E 0 3.2b,3.2
¶621217158
IDC Error ellipse: s-maj=200.9km s-min=31.7km az=131.0.
IDC X 07 09 46 16.6–3.8 6.84S 154.75E 0 3.7b,3.7
¶621217208
IDC Error ellipse: s-maj=134.7km s-min=28.6km az=120.0.
IDC X 07 18 07 50.9–3.8 6.97S 155.64E 0 3.7s,3.6b
¶621217230
IDC Error ellipse: s-maj=98.1km s-min=44.8km az=106.0.
IDC X 13 15 45 08.2–2.5 4.90S 154.02E 0 3.5b,3.5
¶621238983
IDC Error ellipse: s-maj=178.8km s-min=32.0km az=128.0.
ISC X 11 07 45 11.1–.36 7.02S–.06 155.89E–.06 100 4.5b 99 5-161
NEIC X 11 07 45 10.7–1.3 7.01S–.08 155.91E–.07 87–2 4.5b **¶621144692**
IDC X 11 07 45 12.7–1.9 7.03S 155.90E 98–18 4.5,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=7.8km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=11.9km az=81.0.
ISC X 14 00 28 07.0–1.2 5.0S–.20 154.3E–.40 35 3.8b 8 24-86
IDC X 14 00 28 01.5–1.2 4.97S 154.34E 0 3.9b,3.9 **¶621240611**
ISC Event type se.
IDC Error ellipse: s-maj=47.6km s-min=24.7km az=103.0.
ISC X 13 11 21 59.8–1.2 7.0S–.20 155.8E–.30 62 3.7b 10 16-85
IDC X 13 11 21 51.1–1.1 6.98S 155.86E 0 3.7b,3.7 **¶621238966**
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=24.0km az=106.0.
ISC X 17 00 53 38.3–.86 5.3S–.10 154.9E–.10 150 3.8b 9 7-91
IDC X 17 00 53 38.0–3.8 5.26S 154.85E 146–41 4.1,3.5b **¶621242858**
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=20.2km az=139.0.
ISC X 15 02 44 59.5–.18 8.89S–.03 158.47E–.02 35–1 6.3b,6.2s 2129 2-163
BJI X 15 02 44 53.1 8.95S 158.50E 10 6.3s,6.2b **¶621202367**
IDC X 15 02 44 54.1–.28 8.85S 158.37E 0 6.0s,5.8b
IPGP X 15 02 44 57.0 8.88S 158.48E 43 6.4W,5.8b
MOS X 15 02 44 58.3–1.2 8.81S 158.32E 33 6.4b,6.1s
NEIC X 15 02 44 59.4 8.88S 158.49E 33 6.4b,6.1s
NEIC X 15 02 44 59.4 8.88S 158.49E 33 6.4b,6.1s
NEIC X 15 02 44 59.3–2.0 8.88S–.07 158.46E–.05 33–1 6.3,6.3b
PTWC X 15 02 44 59 8.90S 158.40E 6.6,6.3b
GFZ X 15 02 45 01.7–.13 9S–2.0 158E–2.0 44–1 6.6b,6.5L
GFZ X 15 02 45 01.7 8.92S 158.45E 44 6.4W,6.5L
GCMT X 15 02 45 05.0–.00 8.96S 158.38E 40–0 6.4W,6.5L
NEIC X 15 02 45 07.8 8.88S 158.39E 30 6.4,6.5L
ISC Event type se.
IDC Error ellipse: s-maj=11.0km s-min=8.6km az=65.0.
IPGP Moment Tensor Solution. NP1:ϕ_s114.00000°,δ63.00000°,λ-14.00000°. NP2:ϕ_s210.00000°
,δ78.00000°,λ-152.00000°.
MOS Error ellipse: s-maj=7.0km s-min=5.1km az=115.2.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.3km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.50 $M_{\theta\theta}$2.55 $M_{\phi\phi}$-2.05 $M_{r\theta}$0.06 $M_{\theta\phi}$1.99
$M_{\phi r}$1.58 NP1:ϕ_s111.72000°,δ64.45000°,λ-12.48000°. NP2:ϕ_s207.18000°,δ78.75000°
,λ-153.92000°. Principal axes: T 3.3958,Plg10.0000°,Azm337.0000°; N 0.1155,Plg62.0000°
,Azm229.0000°; P -3.5113,Plg26.0000°,Azm72.0000° $M_0$3.45000×10^{18}
GFZ Error ellipse: s-maj=4.8km s-min=3.7km az=25.5. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}-1.44 $M_{\theta\theta}$3.97 $M_{\phi\phi}$-2.53 $M_{r\theta}$-0.12 $M_{\theta\phi}$2.28 $M_{\phi r}$2.34 NP1:
ϕ_s112.12257°,δ61.70039°,λ-21.59214°. NP2:ϕ_s212.74927°,δ71.09413°,λ-149.92611°.
Principal axes: T 4.7521,Plg6.0914°,Azm340.7296°; N 0.0476,Plg54.9543°,Azm241.9781°
; P -4.7996,Plg34.3564°,Azm74.9131° $M_0$4.77602×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110150244A. Moment Tensor Solution.
s172,c443; s173,c760;Duration: 3s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.28±.02
$M_{\theta\theta}$4.31±.02; $M_{\phi\phi}$-3.04±.02; $M_{r\theta}$-0.24±.02; $M_{\theta\phi}$2.66±.01; $M_{\phi r}$2.32±.03; Best double couple:
NP1:ϕ_s113.00000°,δ66.00000°,λ-19.00000°. NP2:ϕ_s211.00000°,δ73.00000°,λ-154.00000°.
Principal axes: T 5.2120,Plg5.0000°,Azm341.0000°; N 0.0060,Plg59.0000°,Azm243.0000°
; P -5.2270,Plg30.0000°,Azm74.0000° $M_0$5.22000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{18}Nm;
M_{rr}-1.39 $M_{\theta\theta}$4.21 $M_{\phi\phi}$-2.82 $M_{r\theta}$0.31 $M_{\theta\phi}$2.36 $M_{\phi r}$2.33 NP1:ϕ_s113.83000°,δ60.62000°
,λ-17.46000°. NP2:ϕ_s212.60000°,δ74.85000°,λ-149.45000°. Principal axes:
T 5.0924,Plg9.0000°,Azm241.0000°; N -0.2092,Plg56.0000°,Azm236.0000°
; P -4.8832,Plg32.0000°,Azm77.0000° $M_0$4.99000×10^{18}
ISC X 16 04 50 16.0–.98 11.3S–.10 161.5E–.20 35 3.5b,3.1s 9 2-91
IDC X 16 04 50 10.8–1.1 11.27S 161.51E 0 3.8,3.7b **¶621242106**
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=16.4km az=62.0.
ISC X 14 07 46 45.2–.83 5.23S–.09 154.3E–.20 100 3.9b 32 2-152
IDC X 14 07 46 46.5–9.0 5.17S 154.13E 108–76 4.0,3.8L **¶621240624**
NEIC X 14 07 46 48.6–.87 5.3S–.20 154.2E–.10 123–18 4.0b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 18 12 42 09.2–.94 7.4S–.20 156.0E–.10 10 4.3b 10 4-93
IDC X 18 12 42 07.4–.75 7.31S 155.98E 0 4.3b,4.3 **¶621244030**
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=14.4km az=32.0.
ISC X 17 20 44 05.9–1.3 5.9S–.20 154.1E–.30 48 3.7b 8 7-84
IDC X 17 20 43 59.1–1.4 5.80S 154.09E 0 3.7b,3.7 **¶621242902**
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=28.4km az=66.0.
ISC X 18 22 43 23.3–.46 11.02S–.06 162.29E–.06 35 4.6b,3.9s 97 3-149
NEIC X 18 22 43 24.2–1.4 10.98S–.07 162.28E–.06 40–5 4.7b,3.9s **¶621244048**
IDC X 18 22 43 25.8–2.3 11.04S 162.09E 54–19 4.5L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.3km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.3km s-min=13.0km az=66.0.
ISC X 20 06 49 49.7–1.1 8.1S–.20 158.4E–.20 100 3.7b 9 2-86
IDC X 20 06 49 50.6–2.3 8.23S 158.34E 109–28 4.0,3.5b **¶621246589**
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=26.9km az=43.0.
ISC X 19 13 59 05.0–.54 8.93S–.07 158.33E–.06 29 4.2b 52 2-88
IDC X 19 13 59 00.7–.70 8.78S 158.34E 0 4.1b,4.1 **¶621244085**
NEIC X 19 13 59 03.9–.87 8.86S–.10 158.44E–.08 18–5 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 15 57 44.2–.70 10.35S–.10 161.21E–.09 62 3.8b 27 2-90
IDC X 23 15 57 45.4–3.6 10.48S 161.12E 74–27 3.8,3.4b **¶621309380**
NEIC X 23 15 57 45.9–2.1 10.3S–.10 161.20E–.10 78–8 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 08 07 19.9–.62 6.68S–.09 155.1E–.10 56 4.1b,3.5s 32 4-91
IDC X 23 08 07 12.7–.77 6.54S 155.00E 0 4.1b,4.1 **¶621309361**
NEIC X 23 08 07 17.2–1.1 6.6S–.10 155.3E–.10 35–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 20 05 47 24.0–.56 10.84S–.06 162.09E–.08 50 4.2b,3.4s 48 3-115
NEIC X 20 05 47 26.8–1.3 10.79S–.09 162.07E–.08 74–9 4.6b,3.4s **¶621246588**
IDC X 20 05 47 26.4–2.2 10.80S 161.97E 72–18 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=4.9km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.2km s-min=15.3km az=60.0.
ISC X 21 02 02 03.7–.47 6.48S–.08 154.90E–.08 56 4.1b,3.3s 53 4-127
NEIC X 21 02 02 01.7–1.8 6.50S–.08 154.89E–.07 35–2 4.1b,3.3s **¶621261385**
IDC X 21 02 02 04.5–3.1 6.50S 154.89E 59–29 4.2,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=11.1km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=15.7km az=90.0.
ISC X 31 04 30 05.8–.93 8.9S–.20 158.4E–.10 29 3.8b 10 2-87
IDC X 31 04 30 02.0–1.1 8.86S 158.27E 0 4.0,3.9b **¶621395221**
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=20.0km az=28.0.
ISC X 29 17 09 31.5–.45 6.97S–.06 154.43E–.09 39 4.3b,3.1s 64 4-94
NEIC X 29 17 09 27.6–2.1 6.98S–.09 154.44E–.08 10–1 4.4b,3.1s **¶621391451**
IDC X 29 17 09 32.7–.75 6.97S 154.42E 44–5 4.0,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=5.6km az=39.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=16.8km az=90.0.
ISC X 28 12 28 54.6–.35 6.20S–.05 154.58E–.06 61 4.7b 138 3-93
NEIC X 28 12 28 54.2–1.7 6.20S–.09 154.58E–.08 53–7 4.6b **¶621242959**
IDC X 28 12 28 55.8–1.9 6.25S 154.59E 69–17 4.5,4.2b
DJA X 28 12 28 55.1–.50 6S–4.0 155E–5.0 74–6 6.2b,5.9
GFZ X 28 12 29 00.5–1.9 6S–5.0 154E–5.0 110–17 5.9b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 31 02 55 44.1–.42 8.98S–.05 158.41E–.05 29 4.7b,3.6s 100 1-98
IDC X 31 02 55 40.0–.56 8.85S 158.28E 0 4.4L,4.4b ¶621244601
NEIC X 31 02 55 45.0–1.2 8.91S–.09 158.46E–.05 32–2 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 01 10 24 22.2–.69 10.29S–.09 161.48E–.10 100 4.1b 34 2-90
NEIC XI 01 10 24 20.8–1.5 10.3S–.10 161.59E–.07 81–8 4.2b ¶621401261
IDC XI 01 10 24 21.1–2.7 10.25S 161.52E 87–21 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=3.7km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=20.4km az=68.0.
ISC X 31 17 04 26.3–.56 6.26S–.08 154.01E–.10 48 4.0b 43 3-91
IDC X 31 17 04 21.0–.90 6.24S 153.81E 0 4.1L,4.0b ¶621395259
NEIC X 31 17 04 22.0–1.1 6.26S–.05 154.05E–.07 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 07 13 08 39.5–4.7 8.57S 158.85E 167–63 3.3,2.8b
¶621416039
IDC Error ellipse: s-maj=127.5km s-min=27.9km az=140.0.
ISC XI 02 03 55 17.8–.66 7.15S–.10 154.9E–.10 41 4.5b,3.5s 53 5-97
IDC XI 02 03 55 11.7–.85 7.09S 154.89E 0 4.3b,4.3 ¶621401322
NEIC XI 02 03 55 13.4–1.3 7.19S–.08 155.0E–.20 10–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 03 15 37 04.7–2.1 5.7S–.30 154.2E–.40 100 3.7b 6 24-91
IDC XI 03 15 36 53.8–2.0 5.42S 153.99E 0 3.7b,3.7 ¶621412247
ISC Event type se.
IDC Error ellipse: s-maj=62.2km s-min=26.0km az=119.0.
ISC XI 04 17 41 40.1–.64 10.83S–.06 162.19E–.08 100 4.1b 67 0-84
NOU XI 04 17 41 38.8 10.88S 162.13E 36 4.8b ¶621309485
NEIC XI 04 17 41 39.7–2.3 10.91S–.07 162.18E–.10 89–8 4.3b
IDC XI 04 17 41 40.3–2.5 10.88S 162.09E 91–22 4.1,3.6b
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.3km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=20.2km az=49.0.
ISC XI 08 04 12 14.8–.69 7.14S–.10 154.9E–.10 10 4.5b 49 4-153
IDC XI 08 04 12 13.1–.82 7.02S 154.76E 0 4.2b,4.2 ¶621423070
NEIC XI 08 04 12 15.5–1.1 7.2S–.10 154.8E–.20 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 08 16 49 53.3–.57 7.21S–.09 154.9E–.10 10 4.3b 51 4-92
IDC XI 08 16 49 51.3–1.1 7.17S 154.87E 0 3.8b,3.8 ¶621423109
NEIC XI 08 16 49 53.8–.98 7.20S–.10 154.92E–.10 10–2 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 10 21 19 56.4–.40 6.68S–.05 155.01E–.06 41–3 5.0b,3.6s 281 4-160
BJI XI 10 21 19 53.1 6.65S 155.24E 29 5.4b,4.8s ¶621392734
GFZ XI 10 21 19 56.9–.75 7S–3.0 155E–4.0 56–7 5.6b,5.1b
NEIC XI 10 21 19 56.5–1.7 6.63S–.08 155.00E–.08 35–1 5.0b,5.1b
IDC XI 10 21 19 58.4–2.4 6.71S 155.16E 60–21 4.3,4.1L
DJA XI 10 21 20 27.9–1.1 7S–16 155E–30 377–43 5.2b,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 11 08 11 22.2–.95 5.4S–.20 154.2E–.20 74 3.7b 9 20-85
IDC XI 11 08 11 32.0–10 5.51S 154.24E 167–97 3.8,3.3b ¶621449516
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=27.8km az=8.0.
ISC XI 17 13 28 24.3–.52 8.87S–.08 158.60E–.07 29 4.1b 36 1-87
IDC XI 17 13 28 20.3–.98 8.74S 158.48E 0 3.9L,3.8 ¶621494208
NEIC XI 17 13 28 24.6–1.0 8.88S–.09 158.64E–.07 28–5 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 15 13 26 37.1–.50 6.38S–.07 154.74E–.08 400 4.0b 82 3-92
NEIC XI 15 13 26 36.0–.95 6.36S–.09 154.80E–.10 376–7 4.1b ¶621475634
IDC XI 15 13 26 38.9–2.1 6.50S 154.76E 417–23 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=11.6km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=10.8km az=121.0.
IDC XI 11 12 34 26.5–2.2 10.79S 161.33E 0 3.6b,3.6
¶621449526
IDC Error ellipse: s-maj=54.2km s-min=51.4km az=46.0.
ISC XI 12 16 40 31.2–.98 9.44S–.07 159.11E–.08 27 3.4b 13 1-88
IDC XI 12 16 40 27.8–1.2 9.38S 159.00E 0 3.4b,3.4 ¶621460218
ISC Event type se.
IDC Error ellipse: s-maj=44.2km s-min=14.0km az=177.0.
ISC XI 15 07 10 08.0–.56 10.58S–.08 161.61E–.08 100 4.1b 43 2-90
NEIC XI 15 07 10 07.8–1.4 10.6S–.10 161.64E–.08 89–7 4.1b ¶621475608
IDC XI 15 07 10 09.7–2.1 10.47S 161.44E 107–16 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=4.9km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=15.7km az=89.0.
ISC XI 17 23 40 02.6–.51 10.34S–.07 161.55E–.07 61 4.1b 38 2-90
IDC XI 17 23 40 03.8–1.1 10.37S 161.55E 82–8 4.2,3.8b ¶621494241
NEIC XI 17 23 40 05.3–.89 10.3S–.10 161.46E–.08 83–9 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU XI 19 13 12 15.0 10.59S 161.47E 7 3.6
¶621823041
NOU Solomon Islands.
ISC XI 17 22 54 17.9–.53 6.58S–.08 155.07E–.09 56 4.0b 34 4-89
IDC XI 17 22 54 17.9–3.8 6.49S 155.05E 57–36 4.4L,4.0 ¶621494237
NEIC XI 17 22 54 18.1–1.5 6.64S–.08 155.22E–.09 56–8 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU XI 19 15 51 53.4 10.57S 161.25E 1 3.9
¶621823038
NOU Solomon Islands.
ISC XI 23 23 48 23.9–.47 6.25S–.07 154.06E–.10 10 4.5b,3.6s 61 3-152
IDC XI 23 23 48 21.9–.58 6.30S 154.13E 0 4.3L,4.2b ¶621452732
NEIC XI 23 23 48 24.7–1.5 6.22S–.09 154.1E–.10 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 22 08 20 01.0–1.5 9.32S 159.55E 0 3.4b,3.4
¶621611895
IDC Error ellipse: s-maj=45.3km s-min=18.8km az=180.0.
ISC XI 19 19 37 50.5–.77 7.09S–.09 156.0E–.10 150 4.5b 33 5-85
IDC XI 19 19 37 31.4–2.6 6.98S 156.26E 0 4.2b,4.2 ¶621590311
NEIC XI 19 19 37 53.9–1.6 7.1S–.10 155.92E–.08 178–8 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 23 03 21 26.1–.59 9.87S–.07 160.34E–.09 37 4.3b,3.7s 43 1-97
IDC XI 23 03 21 20.5–.77 9.95S 160.47E 0 4.2,4.1b ¶621611939
NEIC XI 23 03 21 23.1–1.0 9.88S–.09 160.48E–.05 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 23 23 50 34.5–1.7 9.97S 160.28E 0 3.8,3.7b
¶621611984
IDC Error ellipse: s-maj=25.7km s-min=18.2km az=73.0.
IDC XI 24 06 01 28.1–3.6 11.28S 162.73E 57–27 3.9L,3.9
¶621613964
IDC Error ellipse: s-maj=44.9km s-min=20.2km az=55.0.
ISC XI 24 08 57 39.0–.49 10.80S–.06 161.85E–.06 50 4.1b,3.6s 63 2-91
NEIC XI 24 08 57 38.8–1.1 10.75S–.08 161.86E–.09 44–8 4.2b,3.6s ¶621453091
GFZ XI 24 08 57 39.6–.65 11S–9.0 162E–5.0 49–8 5.0b,4.8L
IDC XI 24 08 57 40.5–2.2 10.84S 161.68E 60–20 4.1,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.8km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=20.9km s-min=8.6km az=23.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=21.4km s-min=14.6km az=63.0.
ISC XI 28 20 29 59.9–.35 10.52S–.04 161.10E–.04 35 4.5b,3.9s 141 1-98
IDC XI 28 20 29 54.2–.46 10.59S 161.04E 0 4.5L,4.3b ¶621480977
NOU XI 28 20 29 59.2 10.48S 161.15E 33 4.8b,4.3b
NEIC XI 28 20 30 00.1–2.3 10.47S–.08 161.06E–.08 30–5 4.7b,4.3b
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 27 18 48 06.6–.21 7.01S–.03 155.88E–.03 52–1 5.5b,4.7s 1557 4-161
GFZ XI 27 18 48 03.2 6.96S 155.73E 48 5.3W,4.7s ¶621883601
BJI XI 27 18 48 04.5 6.89S 156.04E 47 5.4b,5.3b
MOS XI 27 18 48 04.4–.96 7.00S 155.81E 47 5.8b,5.3b
DJA XI 27 18 48 06.8–.40 7S–2.0 156E–3.0 61–4 6.2,5.9b
NEIC XI 27 18 48 06.9–1.6 7.04S–.06 155.96E–.06 49–4 5.4b,5.9b
IDC XI 27 18 48 07.4–1.1 7.08S 155.87E 58–9 5.3,5.0b
GFZ XI 27 18 48 07.4–.23 7S–2.0 156E–3.0 46–2 6.0,5.8b
NEIC XI 27 18 48 08.9 7.03S 155.92E 65 6.0,5.8b
GCMT XI 27 18 48 08.4–.10 7.18S–.01 155.82E–.01 50–0 5.3W,5.8b
NEIC XI 27 18 48 09.1 7.13S 156.02E 50 5.3,5.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}9.26 $M_{\theta\theta}$-5.74 $M_{\phi\phi}$-3.52 $M_{r\theta}$-2.16 $M_{\theta\phi}$5.27 $M_{\phi r}$-1.16 NP1: ϕ_s142.63527°,δ43.87236°,λ110.25256°. NP2:ϕ_s295.53058°,δ49.44281°,λ71.59283°. Principal axes: T 9.8701,Plg75.8148°,Azm139.8672°; N 0.1952,Plg13.8810°,Azm307.7403° ; P -10.0653,Plg2.8647°,Azm38.4488° $M_0$9.96911×10^{16}
MOS Error ellipse: s-maj=7.2km s-min=5.0km az=111.5.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.2km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.0km s-min=8.2km az=77.0.
GFZ Error ellipse: s-maj=6.1km s-min=4.5km az=68.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111271848A. Moment Tensor Solution. s132,c205; s132,c223;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.01 $M_{\theta\theta}$-0.79±.01; $M_{\phi\phi}$-0.33±.01; $M_{r\theta}$-0.23±.01; $M_{\theta\phi}$0.65±.01; $M_{\phi r}$-0.10±.01; Best double couple: NP1: ϕ_s137.00000°,δ43.00000°,λ107.00000°. NP2:ϕ_s294.00000°,δ49.00000°,λ75.00000°. Principal axes: T 1.1800,Plg78.0000°,Azm141.0000°; N 0.0830,Plg11.0000°,Azm304.0000° ; P -1.2620,Plg3.0000°,Azm35.0000° $M_0$1.22100×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ9 Moment tensor: Scale 10^{16}Nm; M_{rr}8.41 $M_{\theta\theta}$-6.86 $M_{\phi\phi}$-1.55 $M_{r\theta}$-2.88 $M_{\theta\phi}$4.58 $M_{\phi r}$-1.72 NP1:ϕ_s138.09000°,δ42.86000° ,λ118.24000°. NP2:ϕ_s281.87000°,δ53.18000°,λ66.29000°. Principal axes: T 9.5614,Plg70.0000°,Azm134.0000°; N 0.0908,Plg19.0000°,Azm297.0000° ; P -9.6522,Plg5.0000°,Azm28.0000° $M_0$9.61000×10^{16}
ISC XI 24 12 37 47.0–4.4 6.7S–.50 154.1E–.90 48 3.5b 6 6-83
IDC XI 24 12 37 40.9–5.0 6.57S 154.05E 0 3.3b,3.3 ¶621613981
ISC Event type se.
IDC Error ellipse: s-maj=167.3km s-min=28.2km az=116.0.
ISC XI 27 03 45 50.9–.24 6.28S–.03 154.77E–.03 56–2 5.4b,4.5s 1003 3-153
GFZ XI 27 03 45 46.5 6.18S 154.73E 61 5.4W,4.5s ¶621883600
BJI XI 27 03 45 48.5 6.20S 155.17E 58 5.3b,5.2b
NEIC XI 27 03 45 51.4–1.7 6.31S–.07 154.80E–.06 51–4 5.4b,5.2b
MOS XI 27 03 45 51.5–.99 6.28S 154.78E 73 5.5b,5.2b
NEIC XI 27 03 45 51.7 6.31S 154.82E 54 5.5b,5.2b
GFZ XI 27 03 45 52.1–.28 6S–2.0 155E–2.0 57–2 6.1L,5.6b
NEIC XI 27 03 45 52 6.11S 155.02E 50 5.4,5.6b
GCMT XI 27 03 45 53.0–.10 6.41S–.01 154.72E–.01 56–0 5.4W,5.6b
IDC XI 27 03 45 54.6–1.5 6.32S 154.80E 92–13 5.2,4.9b
DJA XI 27 03 45 57.0–.50 6S–3.0 155E–3.0 113–4 6.2,5.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.33 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-0.70 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.75 $M_{\phi r}$0.22 NP1: ϕ_s134.57833°,δ39.56909°,λ87.24288°. NP2:ϕ_s318.15314°,δ50.48569°,λ92.27630°. Principal axes: T 1.3581,Plg84.2621°,Azm244.4679°; N 0.0815,Plg1.7559°,Azm136.7043° ; P -1.4396,Plg5.4609°,Azm46.5364° $M_0$1.40064×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.58 $M_{r\theta}$-0.08 $M_{\theta\phi}$0.60 $M_{\phi r}$0.09 NP1:ϕ_s128.83000°,δ42.55000° ,λ89.00000°. NP2:ϕ_s310.18000°,δ47.45000°,λ90.91000°. Principal axes: T 1.4031,Plg87.0000°,Azm235.0000°; N -0.0829,Plg1.0000°,Azm130.0000° ; P -1.3202,Plg2.0000°,Azm40.0000° $M_0$1.36000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111270345A. Moment Tensor Solution. s147,c249; s144,c246;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.57±.02 $M_{\theta\theta}$-0.79±.02; $M_{\phi\phi}$-0.77±.02; $M_{r\theta}$-0.17±.01; $M_{\theta\phi}$0.97±.01; $M_{\phi r}$0.17±.01; Best double couple: NP1: ϕ_s135.00000°,δ41.00000°,λ90.00000°. NP2:ϕ_s315.00000°,δ49.00000°,λ90.00000°. Principal axes: T 1.5880,Plg86.0000°,Azm224.0000°; N 0.1850,Plg0.0000°,Azm315.0000° ; P -1.7730,Plg4.0000°,Azm45.0000° $M_0$1.68000×10^{17}
ISC XI 28 16 23 28.8–.51 10.62S–.07 161.63E–.07 61 4.1b 49 2-90
NEIC XI 28 16 23 28.5–.87 10.54S–.09 161.68E–.08 53–5 4.4b ¶621625182
IDC XI 28 16 23 30.3–2.5 10.59S 161.44E 71–20 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.5km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=16.5km az=76.0.
ISC XI 30 23 41 37.7–.39 7.84S–.06 158.32E–.07 61 4.4b 73 2-151
IDC XI 30 23 41 37.6–2.5 7.91S 158.24E 60–25 4.5L,4.3 ¶621627104
NEIC XI 30 23 41 38.5–1.4 7.88S–.09 158.33E–.09 64–6 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 29 01 15 39.3–.71 10.38S–.08 160.92E–.10 62 4.0b 27 1-97
IDC XI 29 01 15 31.2–1.1 10.49S 161.08E 0 4.0b,4.0 ¶621626945
NEIC XI 29 01 15 33.8–1.9 10.3S–.10 161.02E–.09 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 04 10 14 54.9–.39 10.18S–.05 161.17E–.06 50 4.7b,3.6s 118 1-99
BJI XII 04 10 14 52.7 9.96S 161.78E 55 5.4b,4.6b **¶621612437**
NEIC XII 04 10 14 55.6–.92 10.16S–.08 161.16E–.08 52–7 4.7b,4.6b
IDC XII 04 10 14 55.5–2.0 10.23S 161.15E 51–16 4.7L,4.4
GFZ XII 04 10 14 55.3–.21 10S–4.0 161E–3.0 57 5.2b,5.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 01 17 23 01.7–.22 10.40S–.03 161.28E–.03 45–1 5.8b,4.9s 1239 1-166
BJI XII 01 17 23 01.4 10.22S 161.36E 59 5.6b,5.3b **¶621590446**
NEIC XII 01 17 23 02.3–1.9 10.39S–.07 161.30E–.07 44–4 5.8b,5.3b
NEIC XII 01 17 23 02.2 10.37S 161.32E 43 5.8b,5.3b
NEIC XII 01 17 23 02.7 10.27S 161.52E 40 5.3,5.3b
NOU XII 01 17 23 02.8 10.36S 161.30E 53 5.6b,5.3b
GFZ XII 01 17 23 02.4–.10 10S–2.0 161E–2.0 42 6.1L,5.9b
GFZ XII 01 17 23 02.4 10.32S 161.24E 39 5.4W,5.9b
GCMT XII 01 17 23 03.2–.10 10.42S–.01 161.26E–.01 42–0 5.5W,5.9b
MOS XII 01 17 23 03.4–.88 10.35S 161.15E 69 5.7b,5.9b
IDC XII 01 17 23 04.4–1.2 10.42S 161.19E 68–9 5.4,5.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.0km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.23 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.12 $M_{r\theta}$0.19 $M_{\theta\phi}$0.12 $M_{\phi r}$-0.08 NP1:ϕ_s0.54000°,δ43.06000°,λ101.11000°. NP2:ϕ_s165.50000°,δ47.94000°,λ79.79000°. Principal axes: T 1.2617,Plg82.0000°,Azm11.0000°; N -0.1273,Plg8.0000°,Azm172.0000°; P -1.1344,Plg2.0000°,Azm263.0000° $M_0$1.20000×10^{17}
NOU Solomon Islands.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.34 $M_{\theta\theta}$0.25 $M_{\phi\phi}$-1.60 $M_{r\theta}$0.05 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.15 NP1: ϕ_s176.55564°,δ47.97111°,λ86.40180°. NP2:ϕ_s1.92139°,δ42.15405°,λ93.98310°. Principal axes: T 1.3534,Plg86.0465°,Azm46.4909°; N 0.2509,Plg2.6720°,Azm178.9664°; P -1.6043,Plg2.9117°,Azm269.1024° $M_0$1.49476×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112011723A. Moment Tensor Solution. s133,c232; s137,c232;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.61±.02 $M_{\theta\theta}$0.39±.02; $M_{\phi\phi}$-2.00±.02; $M_{r\theta}$0.36±.02; $M_{\theta\phi}$0.12±.02; $M_{\phi r}$-0.01±.02; Best double couple: NP1:ϕ_s12.00000°,δ46.00000°,λ111.00000°. NP2:ϕ_s162.00000°,δ48.00000°,λ69.00000°. Principal axes: T 1.7090,Plg75.0000°,Azm359.0000°; N 0.2980,Plg15.0000°,Azm177.0000°; P -2.0070,Plg1.0000°,Azm267.0000° $M_0$1.85800×10^{17}
MOS Error ellipse: s-maj=7.0km s-min=5.9km az=102.6.
IDC Error ellipse: s-maj=11.0km s-min=9.1km az=71.0.
ISC XII 01 13 05 58.4–.47 10.95S–.07 161.57E–.07 50 4.0b,3.2s 48 2-97
NEIC XII 01 13 05 59.7–.78 10.90S–.09 161.56E–.09 62–7 4.2b,3.2s **¶621629815**
IDC XII 01 13 06 01.0–2.4 10.94S 161.51E 62–20 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.8km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=15.2km az=73.0.
ISC XII 06 01 29 59.7–.58 8.79S–.07 160.37E–.10 69 4.4b 48 1-147
NEIC XII 06 01 29 58.4–1.8 8.66S–.05 160.34E–.07 47–6 4.4b **¶621632560**
IDC XII 06 01 29 59.6–1.5 8.98S 160.55E 71–9 4.6s,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.0km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.4km s-min=21.2km az=128.0.
ISC XII 07 06 53 31.5–.80 10.43S–.09 161.2E–.10 62 3.7b 15 2-94
IDC XII 07 06 53 32.0–1.1 10.34S 161.28E 66–8 4.0,3.6b **¶621632645**
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=9.5km az=46.0.
IDC XII 08 14 35 53.3–2.2 10.26S 161.07E 92–17 3.7,3.5s
¶621634714
IDC Error ellipse: s-maj=32.2km s-min=22.2km az=57.0.
ISC XII 07 10 27 59.9–.27 9.97S–.03 161.07E–.03 177–2 5.5b 1284 1-160
MOS XII 07 10 27 58.8–.84 9.96S 160.99E 175 5.8b **¶621883653**
IDC XII 07 10 27 59.9–.59 10.05S 160.96E 175–4 5.5,5.1b
NEIC XII 07 10 27 59.9–1.1 9.97S–.08 161.08E–.08 166–4 5.6b,5.1b
GFZ XII 07 10 28 00.4–.41 10S–2.0 161E–2.0 170–4 5.9b,5.7
GFZ XII 07 10 28 00.4 10.00S 160.95E 167 5.5W,5.7
NEIC XII 07 10 28 00.4 9.96S 161.04E 169 5.5W,5.7
NEIC XII 07 10 28 00.7 9.86S 160.94E 170 5.4,5.7
GCMT XII 07 10 28 01.0–.10 10.01S–.01 161.03E–.01 172–0 5.6W,5.7
BJI XII 07 10 28 02.9 9.58S 160.89E 198 5.6b,5.5b
ISC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=5.8km az=114.7.
IDC Error ellipse: s-maj=8.4km s-min=8.2km az=91.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.8km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=5.3km s-min=4.8km az=164.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.26 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$2.00 $M_{r\theta}$-1.46 $M_{\theta\phi}$-0.92 $M_{\phi r}$-0.31 NP1: ϕ_s128.71736°,δ60.67874°,λ-140.80669°. NP2:ϕ_s16.95056°,δ56.56576°,λ-35.93114°. Principal axes: T 2.2881,Plg2.4832°,Azm251.9840°; N 0.3427,Plg42.5108°,Azm159.7056°; P -2.6309,Plg47.3813°,Azm344.6854° $M_0$2.47734×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.08 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$1.10 $M_{r\theta}$-0.63 $M_{\theta\phi}$-0.82 $M_{\phi r}$0.15 NP1:ϕ_s358.23000°,δ42.34000°,λ-48.80000°. NP2:ϕ_s128.41000°,δ59.55000°,λ-120.97000°. Principal axes: T 1.6049,Plg9.0000°,Azm240.0000°; N -0.2123,Plg26.0000°,Azm145.0000°; P -1.3926,Plg62.0000°,Azm348.0000° $M_0$1.51000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071028A. Moment Tensor Solution. s122,c188; s154,c312;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.58±.03 $M_{\theta\theta}$-0.60±.04; $M_{\phi\phi}$2.19±.03; $M_{r\theta}$-1.70±.03; $M_{\theta\phi}$-1.26±.04; $M_{\phi r}$-0.22±.03; Best double couple: NP1: ϕ_s12.00000°,δ52.00000°,λ-35.00000°. NP2:ϕ_s125.00000°,δ63.00000°,λ-136.00000°. Principal axes: T 2.7210,Plg6.0000°,Azm246.0000°; N 0.3190,Plg40.0000°,Azm151.0000°; P -3.0330,Plg49.0000°,Azm344.0000° $M_0$2.87700×10^{17}
ISC XII 08 21 36 26.7–.64 10.16S–.08 160.99E–.09 67 4.1b 39 1-160
IDC XII 08 21 36 24.5–2.8 10.19S 161.06E 44–24 4.0,3.9L **¶621634752**
NEIC XII 08 21 36 25.2–1.4 10.15S–.07 161.04E–.09 41–8 4.4b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 21 39 26.0–.71 10.15S–.09 161.04E–.09 67 4.0b 27 1-96
IDC XII 08 21 39 23.5–3.1 10.11S 161.21E 44–27 3.9L,3.9 **¶621634753**
NEIC XII 08 21 39 24.0–.66 10.2S–.10 161.07E–.09 34–7 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 15 23 59 46.9–7.1 4.95S 154.02E 0 3.4b,3.4
¶621654159
IDC Error ellipse: s-maj=218.9km s-min=44.4km az=108.0.
ISC XII 09 18 38 32.7–.77 10.14S–.09 161.1E–.10 100 3.6b 28 1-93
IDC XII 09 18 38 31.9–2.1 10.22S 161.18E 86–16 3.8,3.5b **¶621636590**
NEIC XII 09 18 38 31.9–2.8 10.2S–.10 161.1E–.10 80–2 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 00 00 05.0–.98 5.6S–.10 154.1E–.20 400 3.7b 14 20-150
IDC XII 16 00 00 05.6–2.5 5.63S 154.21E 413–27 4.1,3.3b **¶635884054**
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=13.9km az=114.0.
ISC XII 16 06 25 12.8–.96 8.1S–.20 158.0E–.10 100 3.6b 7 2-86
IDC XII 16 06 25 13.4–5.5 8.13S 158.03E 106–64 3.9,3.5b **¶621655765**
ISC Event type se.
IDC Error ellipse: s-maj=61.5km s-min=21.9km az=143.0.
ISC XII 19 16 11 48.1–.48 11.48S–.07 162.67E–.08 10 4.5b 79 3-150
IDC XII 19 16 11 46.7–.74 11.46S 162.67E 0 4.1b,4.1 **¶621657087**
NEIC XII 19 16 11 47.8–1.4 11.49S–.08 162.7E–.10 5–4 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 10 55 02.8–.36 6.30S–.05 154.80E–.05 100 4.4b 105 3-98
IDC XII 16 10 55 01.7–2.1 6.28S 154.74E 88–20 4.5,4.2b **¶621631529**
NEIC XII 16 10 55 02.3–1.9 6.25S–.08 154.81E–.07 88–7 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 22 05 37 47.7–2.0 7.28S 155.91E 0 3.6b,3.5
¶621686746
IDC Error ellipse: s-maj=92.3km s-min=27.5km az=131.0.
ISC XII 20 16 00 29.3–.61 10.97S–.09 163.54E–.07 31 4.3b,3.2s 38 4-96
IDC XII 20 16 00 23.9–.89 10.81S 163.59E 0 4.2L,4.1b **¶621685625**
NEIC XII 20 16 00 27.4–1.3 10.95S–.09 163.54E–.07 10–1 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 19 20 11 22.1–7.8 7.67S 156.13E 0 3.7b,3.7
¶621657096
IDC Error ellipse: s-maj=234.9km s-min=45.3km az=116.0.
IDC XII 20 21 20 48.4–5.3 7.14S 155.89E 0 3.9b,3.9
¶621685645
IDC Error ellipse: s-maj=167.7km s-min=28.6km az=113.0.
ISC XII 25 03 00 18.4–.73 11.44S–.09 163.38E–.09 35 4.1b 33 4-92
IDC XII 25 03 00 13.9–1.0 11.40S 163.27E 0 4.0b,4.0 **¶621700130**
NEIC XII 25 03 00 15.0–1.4 11.4S–.10 163.42E–.09 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 22 07 09.9–.55 5.48S–.07 154.23E–.09 150 4.3b 86 2-85
IDC XII 22 22 07 09.5–3.2 5.41S 154.29E 151–28 4.3,3.9b **¶621648300**
NEIC XII 22 22 07 10.3–1.1 5.43S–.10 154.3E–.10 151–7 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 26 05 33 07.8–.69 9.84S–.08 161.10E–.08 10 4.0b 32 1-96
IDC XII 26 05 33 06.5–1.5 9.86S 161.21E 0 4.5s,3.8b **¶621700196**
NEIC XII 26 05 33 08.5–.96 9.8S–.10 161.06E–.07 10–1 4.0b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 10 20 43.7–.60 9.45S–.07 161.23E–.08 78 4.3b 41 1-98
NEIC XII 30 10 20 37.1–2.4 9.26S–.09 161.26E–.08 10–1 4.6b **¶621726003**
IDC XII 30 10 20 46.4–1.8 9.45S 161.06E 93–12 4.1,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.7km az=29.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=19.4km az=92.0.
ISC XII 26 10 39 29.6–.40 9.71S–.05 161.09E–.06 35 4.6b 125 1-147
NEIC XII 26 10 39 26.5–.82 9.70S–.06 161.02E–.06 10–1 4.7b **¶621653519**
IDC XII 26 10 39 30.2–2.3 9.77S 161.08E 42–19 4.4,4.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.1km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=12.3km az=71.0.
ISC XII 26 10 49 06.5–.46 9.63S–.07 161.12E–.07 35 4.5b 66 1-96
NEIC XII 26 10 49 03.4–.94 9.61S–.09 161.08E–.07 10–1 4.7b **¶621700215**
IDC XII 26 10 49 08.1–2.6 9.74S 161.11E 44–21 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.7km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.3km s-min=15.8km az=73.0.
ISC XII 27 03 20 19.5–1.0 6.8S–.20 155.3E–.30 50 3.7b 9 5-96
IDC XII 27 03 20 12.5–1.2 6.76S 155.34E 0 3.8b,3.7 **¶621717281**
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=21.4km az=121.0.
ISC XII 30 16 23 12.1–.52 5.49S–.05 154.29E–.06 142–5 4.4b 171 2-125
IDC XII 30 16 23 11.7–.76 5.50S 154.38E 140–6 4.5,4.1b **¶621726015**
NEIC XII 30 16 23 12.7–1.3 5.50S–.08 154.30E–.07 141–6 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(194) D'Entrecasteaux Islands region.

IDC VII 21 12 53 31.8–1.9 9.14S 153.54E 0 3.6b,3.6
¶620961656
IDC Error ellipse: s-maj=176.3km s-min=27.1km az=138.0.
IDC XII 14 20 41 44.2–50 10.28S 152.08E 0 3.3b,3.3
¶621652956
IDC Error ellipse: s-maj=742.2km s-min=97.6km az=31.0.
ISC VIII 06 00 25 04.2–1.8 8.4S–.20 154.7E–.40 35 3.8b,3.4s 6 14-90
IDC VIII 06 00 24 58.1–1.6 8.37S 154.85E 0 4.0,3.9b **¶620998842**
ISC Event type se.
IDC Error ellipse: s-maj=47.9km s-min=31.5km az=101.0.
ISC X 14 02 28 45.3–.55 9.85S–.08 154.5E–.10 18 4.2b,3.4s 42 13-153
IDC X 14 02 28 42.6–.70 9.80S 154.56E 0 4.2b,4.2 **¶621240615**
NEIC X 14 02 28 44.5–2.0 9.9S–.10 154.6E–.10 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 11 19 27 03.0–4.0 9.15S 153.94E 0 3.2,3.1b
¶621644206
IDC Error ellipse: s-maj=282.7km s-min=32.8km az=134.0.
IDC XII 14 16 06 49.9–5.7 8.38S 153.76E 0 3.3,3.2b
¶621652934
IDC Error ellipse: s-maj=81.7km s-min=31.9km az=24.0.

SEISMIC REGION 16.
New Guinea.

(196) Irian Jaya region.

IDC VII 01 11 30 11.6–3.8 1.28S 140.02E 0 3.4b,3.3L
¶620927666
IDC Error ellipse: s-maj=159.5km s-min=31.7km az=88.0.
ISC VII 02 02 05 02.1–2.9 2.36S–.04 134.16E–.03 10–19 3.9b 50 1-151
IDC VII 02 02 05 00.2–.96 2.28S 134.21E 0 4.0,3.9b **¶620927707**
DJA VII 02 02 05 02.4–.20 2S–2.0 134E–2.0 10 4.1b,4.1
NEIC VII 02 02 05 05.2–1.2 2.37S–.07 134.2E–.10 29–7 4.1b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 02 17 46 39.2–2.8 3.02S 135.92E 0 3.6,3.4L
¶620927766
IDC Error ellipse: s-maj=99.2km s-min=21.0km az=84.0.
ISC VII 04 01 07 42.5–1.2 3.88S–.06 133.78E–.05 12–10 28 0-68
IDC VII 04 01 07 42.1–1.8 3.95S 133.89E 0 3.9L,3.9 **¶620927846**
DJA VII 04 01 07 42.7–.20 4S–2.0 134E–3.0 10 4.3b,4.1

ISC Event type se.
DJA VII 06 01 06 46.0–.40 2S–5.0 134E–4.0 10 3.8b,3.6 ¶626066272
IDC VII 06 14 06 08.0–6.4 4.22S 134.37E 0 3.2,3.1b ¶620928039
IDC Error ellipse: s-maj=346.3km s-min=30.1km az=78.0.
ISC VII 14 10 37 00.0–.80 1.23S–.07 134.30E–.06 10 4.2b 45 0-152
DJA VII 14 10 37 00.6–.40 1S–3.0 134E–2.0 11–4 5.4b,4.9 ¶620928586
IDC VII 14 10 37 05.3–.81 1.98S 133.73E 0 4.2L,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=8.5km az=73.0.
ISC VII 15 19 29 58.1–1.0 0.11N–.06 130.54E–.05 10 3.4b 28 1-67
IDC VII 15 19 29 57.0–1.4 0.00N 130.46E 0 3.5,3.4b ¶620928655
DJA VII 15 19 29 58.2–.30 0N–4.0 131E–3.0 10 3.8,3.8
ISC Event type se.
ISC VII 17 20 18 52.1–1.1 0.25S–.07 132.26E–.05 35 22 0-64
DJA VII 17 20 18 49.6–.40 0S–4.0 132E–3.0 10 3.9,3.9 ¶626066721
IDC VII 17 20 18 50.9–1.6 0.89S 130.28E 0 3.6L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=14.0km az=130.0.
ISC VII 23 16 39 11.4–.82 3.37S–.07 135.52E–.06 22 40 1-68
IDC VII 23 16 39 07.5–2.4 3.40S 135.47E 0 3.6,3.5L ¶620967930
DJA VII 23 16 39 11.3–.90 3S–3.0 136E–2.0 15–8 5.0b,4.4
ISC Event type se.
ISC VII 16 05 31 26.3–.54 0.61S–.04 131.27E–.04 10 4.2b 55 0-89
IDC VII 16 05 31 24.3–1.1 0.47S 131.52E 0 4.0b,3.9L ¶620928692
NEIC VII 16 05 31 27.0–.89 0.68S–.06 131.13E–.09 10–1 4.3b,3.9L
DJA VII 16 05 31 27.5–.30 0S–3.0 131E–2.0 10 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VII 23 20 49 10.9–.20 1S–3.0 134E–2.0 10 5.5b,4.9 ¶626066965
DJA VII 23 13 43 54.0–.20 1S–2.0 132E–1.0 10 5.8b,5.4 ¶626066992
IDC VII 24 06 37 24.2–3.7 1.86S 134.34E 0 3.3L,3.1 ¶620970203
IDC Error ellipse: s-maj=179.2km s-min=30.0km az=78.0.
DJA VIII 02 05 51 05.2–.60 4S–3.0 134E–4.0 11–5 4.6b,4.4 ¶626187683
IDC VII 25 09 28 08.6–1.7 0.30S 130.29E 0 3.6b,3.5L ¶620973757
IDC Error ellipse: s-maj=32.1km s-min=18.4km az=34.0.
IDC VII 26 06 54 15.1–2.3 3.91S 133.92E 0 3.6L,3.6 ¶620973820
IDC Error ellipse: s-maj=55.5km s-min=17.0km az=71.0.
ISC VIII 02 05 52 48.2–.86 4.60S–.07 133.6E–.10 21 25 2-72
IDC VIII 02 05 52 46.6–1.5 4.21S 133.96E 0 4.3s,4.1L ¶620993208
NEIC VIII 02 05 52 46.2–2.0 4.54S–.09 133.7E–.10 10–2 4.1b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 05 57 50.5–.93 4.31S–.05 134.07E–.10 21 18 1-68
IDC VIII 02 05 57 48.0–2.5 4.23S 134.10E 0 3.9,3.6b ¶620993209
DJA VIII 02 05 57 50.8–.70 4S–3.0 134E–6.0 14–6 4.7b,4.3
ISC Event type se.
DJA VIII 03 15 45 57.4–1.3 4S–2.0 134E–3.0 16–11 3.8,3.8 ¶626187744
ISC VIII 02 05 01 20.7–.17 4.57S–.02 134.06E–.03 9 6.1s,5.5b 1206 1-169
BJI VIII 02 05 01 15.5 4.81S 134.43E 10 6.0s,5.9 ¶620925870
IDC VIII 02 05 01 18.9–.36 4.41S 134.04E 0 5.8s,5.0L
ISC-P VIII 02 05 01 19 4.50S 133.96E 9–0 6.0,5.0L
MOS VIII 02 05 01 19.5–1.2 4.57S 133.98E 19 5.7s,5.7b
NEIC VIII 02 05 01 20.0–.83 4.50S–.06 133.96E–.06 10–1 6.1,6.0
NEIC VIII 02 05 01 20 4.50S 133.96E 10 6.1,6.0
NEIC VIII 02 05 01 20.2 4.48S 133.98E 10 6.1,6.0
IPGP VIII 02 05 01 20.0 4.52S 133.99E 14 6.1W,6.0
PTWC VIII 02 05 01 21 4.50S 134.00E 10 6.2,6.0
DJA VIII 02 05 01 21.5–.10 5S–1.0 134E–1.0 10 6.1b,6.1
GFZ VIII 02 05 01 22.8–.13 5S–2.0 134E–2.0 10 5.7,5.5b
GFZ VIII 02 05 01 22.8 4.71S 133.99E 14 6.0W,5.5b
GCMT VIII 02 05 01 25.7–.00 4.33S 134.00E 12 6.0W,5.5b
NEIC VIII 02 05 01 26.6 4.40S 133.96E 26 6.0,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=9.1km az=83.0.
ISC-P Moment Tensor Solution. s52 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12±.17 $M_{\theta\theta}$-0.26±.20; $M_{\phi\phi}$0.41±.16; $M_{r\theta}$0.24±.14; $M_{\theta\phi}$-0.24±.16; $M_{\phi r}$0.51±.13; NP1:ϕ_s346.80000°,δ75.30000° ,λ207.10000°. NP2:ϕ_s249.40000°,δ63.90000°,λ-16.40000°. M_o1.48000×10^{18}
MOS Error ellipse: s-maj=7.6km s-min=4.3km az=112.1.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=9.1km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$0.72 $M_{r\theta}$0.27 $M_{\theta\phi}$0.90 $M_{\phi r}$-0.33 NP1:ϕ_s343.97000°,δ80.84000°,λ-159.43000°. NP2:ϕ_s250.55000°,δ69.71000° ,λ-9.77000°. Principal axes: T 1.2046,Plg8.0000°,Azm116.0000°; N -0.0228,Plg68.0000° ,Azm7.0000°; P -1.1818,Plg21.0000°,Azm209.0000° M_o1.19000×10^{18}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s253.00000°,δ70.00000°,λ-9.00000°. NP2:ϕ_s346.00000° ,δ82.00000°,λ-160.00000°.
PTWC PAPUA REGION, INDONESIA.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.01 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$0.51 $M_{r\theta}$0.17 $M_{\theta\phi}$0.93 $M_{\phi r}$0.24 NP1: ϕ_s344.77691°,δ78.94150°,λ170.91719°. NP2:ϕ_s76.53328°,δ81.08723°,λ11.19540°. Principal axes: T 1.1349,Plg14.1927°,Azm300.8499°; N -0.0869,Plg75.7256°,Azm114.5867° ; P -1.0480,Plg1.4944°,Azm210.4719° M_o1.09401×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108020501A. Moment Tensor Solution. s167,c392; s164,c600;Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07±.01 $M_{\theta\theta}$-0.72±.01; $M_{\phi\phi}$0.78±.01; $M_{r\theta}$0.57±.01; $M_{\theta\phi}$1.09±.01; $M_{\phi r}$-0.20±.02; Best double couple: NP1:ϕ_s345.00000°,δ72.00000°,λ-166.00000°. NP2:ϕ_s251.00000°,δ77.00000°,λ-19.00000°. Principal axes: T 1.3670,Plg4.0000°,Azm299.0000°; N 0.1680,Plg67.0000°,Azm38.0000° ; P -1.5360,Plg22.0000°,Azm207.0000° M_o1.45100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$0.48 $M_{r\theta}$-0.23 $M_{\theta\phi}$1.16 $M_{\phi r}$-0.16 NP1:ϕ_s169.78000°,δ79.01000° ,λ176.64000°. NP2:ϕ_s260.42000°,δ86.70000°,λ11.01000°. Principal axes: T 1.3456,Plg10.0000°,Azm126.0000°; N -0.1620,Plg79.0000°,Azm277.0000° ; P -1.1836,Plg5.0000°,Azm35.0000° M_o1.27000×10^{18}
IDC VIII 02 13 43 59.4–2.6 1.98S 133.42E 0 3.5,3.4b ¶620993243
IDC Error ellipse: s-maj=98.3km s-min=28.9km az=79.0.
ISC VIII 02 14 52 16.0–1.2 2.68S–.06 134.39E–.06 13–9 3.8b 23 0-88
IDC VIII 02 14 52 14.9–1.3 2.54S 134.33E 0 3.7,3.6b ¶620993246
DJA VIII 02 14 52 16.4–.40 3S–4.0 134E–3.0 10 3.6,3.6
ISC Event type se.
ISC VIII 02 22 01 32.3–1.5 2.81S–.10 133.6E–.20 10 3.7b 9 3-76
IDC VIII 02 22 01 29.0–1.5 2.62S 134.18E 0 3.7b,3.7 ¶620993268
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=18.9km az=59.0.
IDC VIII 03 23 07 49.4–2.7 4.63S 133.23E 0 3.6L,3.5 ¶620995917
IDC Error ellipse: s-maj=90.5km s-min=19.6km az=81.0.
ISC VIII 03 23 52 28.9–.54 4.32S–.05 134.42E–.06 22 4.4b,3.6s 63 1-119
IDC VIII 03 23 52 25.4–.76 4.30S 134.45E 0 4.3L,4.2 ¶620995920
NEIC VIII 03 23 52 27.5–2.4 4.32S–.06 134.47E–.08 10–1 4.4b,4.2
DJA VIII 03 23 52 29.0–1.2 4S–3.0 134E–3.0 15–10 5.9,5.8
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 04 06 57 54.4–4.5 0.12N 133.64E 0 5.8L,3.9b ¶620997289
IDC Error ellipse: s-maj=408.0km s-min=29.0km az=97.0.
DJA VIII 04 21 07 34.1–.90 1S–4.0 134E–3.0 19–10 5.3b,4.7 ¶626187789
ISC VIII 04 11 59 25.4–.69 4.42S–.06 134.02E–.06 21 4.0b,3.2s 51 1-76
IDC VIII 04 11 59 24.6–5.7 4.53S 133.98E 0 5.6L,3.8 ¶620997306
NEIC VIII 04 11 59 24.9–1.5 4.45S–.05 133.9E–.10 10–2 4.2b,3.8
DJA VIII 04 11 59 24.7–2.4 4S–2.0 134E–3.0 10–20 4.8b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 05 16 29 01.8–1.2 4.5S–.10 133.3E–.30 10 9 4-72
IDC VIII 05 16 29 01.5–1.5 4.42S 133.71E 0 3.6b,3.6 ¶620998820
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=14.7km az=73.0.
DJA VIII 05 03 36 17.1–.30 4S–4.0 134E–3.0 10 6.1b,5.7 ¶626187893
IDC VIII 05 22 03 45.0–2.2 4.26S 133.97E 0 3.5L,3.5 ¶620998834
IDC Error ellipse: s-maj=52.5km s-min=15.6km az=73.0.
ISC VIII 05 16 40 25.5–.89 4.47S–.07 133.5E–.10 21 9 4-68
IDC VIII 05 16 40 23.8–1.1 4.21S 133.69E 0 3.7b,3.6 ¶620998822
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=15.0km az=66.0.
ISC VIII 08 04 11 21.0–.84 4.24S–.05 134.07E–.06 10 29 1-80
IDC VIII 08 04 11 19.3–1.1 4.25S 134.02E 0 3.8,3.7L ¶621002112
DJA VIII 08 04 11 23.1–.90 4S–3.0 134E–2.0 12–7 4.2b,4.1
ISC Event type se.
ISC VIII 07 13 40 25.2–1.9 0.63S–.07 133.69E–.04 16–12 3.9b 31 0-86
IDC VIII 07 13 40 22.7–.93 0.79S 133.72E 0 3.9L,3.9b ¶621000723
DJA VIII 07 13 40 26.0–.70 1S–5.0 134E–3.0 13–4 4.5b,4.3
ISC Event type se.
IDC VIII 08 04 56 19.3–2.4 4.11S 134.44E 0 3.8b,3.6 ¶621002113
IDC Error ellipse: s-maj=65.7km s-min=20.4km az=75.0.
ISC VIII 10 09 37 26.5–2.2 0.5S–.10 133.9E–.10 21–6 16 0-68
DJA VIII 10 09 37 28.5–1.0 1S–5.0 134E–5.0 13–3 3.0,3.0 ¶621008107
IDC VIII 10 09 37 29.6–2.1 1.30S 133.72E 0 3.4b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=21.7km az=41.0.
DJA VIII 08 17 40 55.4–.20 4S–3.0 134E–3.0 10 4.3b,4.0 ¶626188083
DJA VIII 09 05 22 05.0–.40 4S–3.0 134E–4.0 10 4.2b,4.0 ¶626188145
IDC VIII 12 16 08 01.2–4.6 3.64S 133.97E 202–33 3.5,2.8b ¶621009426
IDC Error ellipse: s-maj=104.5km s-min=14.9km az=71.0.
IDC VIII 13 19 29 42.2–3.5 1.01N 134.33E 0 3.6b,3.6 ¶621012206
IDC Error ellipse: s-maj=205.5km s-min=23.2km az=76.0.
IDC VIII 12 11 02 01.7–1.5 1.65S 135.67E 0 3.4,3.3L ¶621009401
IDC Error ellipse: s-maj=77.3km s-min=26.5km az=90.0.
ISC VIII 12 14 21 44.6–.63 4.81S–.05 133.98E–.05 10 4.1b 36 1-90
IDC VIII 12 14 21 43.9–.70 4.73S 134.00E 0 4.2,4.1L ¶620984166
DJA VIII 12 14 21 47.1–.30 5S–3.0 134E–3.0 10 5.2b,5.2b
ISC Event type se.
ISC VIII 13 14 47 44.0–.50 1.49S–.05 133.95E–.05 24 4.4b 60 1-89
IDC VIII 13 14 47 40.5–.86 1.53S 134.01E 0 4.1L,4.1 ¶621012166
DJA VIII 13 14 47 43.8–.50 1S–4.0 134E–4.0 23–7 4.9b,4.9b
NEIC VIII 13 14 47 48.5–1.6 1.6S–.10 133.8E–.10 57–1 4.5b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VIII 17 06 20 42.9–.80 1S–5.0 133E–5.0 42–11 3.9,3.9 ¶626188718
ISC VIII 20 03 44 24.3–.74 4.45S–.04 134.01E–.06 21 4.0b 40 1-73
IDC VIII 20 03 44 22.8–1.5 4.37S 133.98E 0 3.9,3.8L ¶621041237
DJA VIII 20 03 44 24.0–.40 4S–3.0 134E–4.0 10 4.6b,4.4
NEIC VIII 20 03 44 28.2–1.7 4.63S–.08 133.2E–.20 10–2 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 19 12 51 32.8–.97 1.85S–.03 133.48E–.03 14–6 4.6b,3.3s 119 0-152
IDC VIII 19 12 51 30.6–.58 1.98S 133.37E 0 4.4L,4.3b ¶620997341
DJA VIII 19 12 51 33.8–.20 2S–2.0 133E–1.0 10 5.2b,4.8b
GFZ VIII 19 12 51 33.1–.25 2S–3.0 133E–3.0 10 4.6b,4.6
NEIC VIII 19 12 51 36.0–1.9 1.87S–.06 133.40E–.07 31–4 4.6b,4.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 19 10 22 28.8–4.6 1.12N 131.27E 98–34 3.1,2.7b ¶621039177
IDC Error ellipse: s-maj=317.6km s-min=36.1km az=92.0.
ISC VIII 24 17 24 20.1–.75 1.84S–.04 133.47E–.04 10 23 0-66
DJA VIII 24 17 24 20.5–.30 2S–2.0 133E–2.0 10 3.4,3.4 ¶621049342
IDC VIII 24 17 24 24.3–1.7 2.78S 130.27E 0 3.6s,3.0L
ISC Event type se.
IDC Error ellipse: s-maj=45.8km s-min=15.9km az=110.0.
ISC VIII 23 21 13 12.9–1.6 3.8S–.20 134.7E–.20 10 7 5-68
IDC VIII 23 21 13 10.6–2.0 3.58S 134.96E 0 3.5L,3.5 ¶621049264
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=16.6km az=57.0.
IDC VIII 20 20 12 21.3–4.8 0.88N 130.14E 0 3.3b,3.3 ¶621041308
IDC Error ellipse: s-maj=369.6km s-min=29.1km az=70.0.
ISC VIII 24 05 05 48.0–1.2 1.40S–.04 134.06E–.04 15–8 4.2b 43 1-87
IDC VIII 24 05 05 46.1–.86 1.50S 134.01E 0 4.3L,4.1 ¶621049292
DJA VIII 24 05 05 48.7–.30 1S–2.0 134E–2.0 10 4.5b,4.5
ISC Event type se.
DJA VIII 22 07 27 58.5–.80 4S–3.0 134E–3.0 15–7 4.3b,4.1 ¶626189092
DJA VIII 27 09 12 45.0–.30 1S–3.0 133E–3.0 10 6.3b,6.0 ¶626189473
ISC VIII 27 16 19 23.7–.41 4.82S–.04 136.82E–.04 35 4.6b 114 0-102
IDC VIII 27 16 19 24.2–2.0 4.69S 136.94E 36–19 4.3,4.1L ¶621009655
GFZ VIII 27 16 19 25.1–.28 5S–3.0 137E–3.0 48–3 4.6b,4.5
DJA VIII 27 16 19 26.3–.30 5S–4.0 137E–2.0 20–3 4.7b,4.7b
NEIC VIII 27 16 19 27.2–2.1 4.73S–.09 136.9E–.10 57–6 4.6b,4.7b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 03 17 15 08.8–2.7 0.3S–.40 136.09E–.09 29 8 5-32
IDC IX 03 17 15 06.7–2.8 0.46S 135.97E 0 3.6b,3.6 ¶621081579
ISC Event type se.
IDC Error ellipse: s-maj=52.9km s-min=14.2km az=11.0.
ISC VIII 30 14 02 34.3–.86 4.45S–.05 134.16E–.06 21 26 1-68
IDC VIII 30 14 02 32.8–1.7 4.33S 134.26E 0 3.5L,3.5b ¶621076525
DJA VIII 30 14 02 35.7–.40 4S–3.0 134E–4.0 10 4.7b,4.4b
ISC Event type se.
ISC VIII 31 09 22 27.4–.85 3.36S–.04 134.03E–.04 13 24 1-88
IDC VIII 31 09 22 24.8–1.3 3.23S 134.32E 0 4.1b,4.0 ¶621076600
DJA VIII 31 09 22 29.2–.30 3S–3.0 134E–2.0 10 4.0,4.0
ISC Event type se.

ISC VIII 30 11 16 17.4–.68 4.38S–.05 136.99E–.06 35 3.8b 31 0-88
IDC VIII 30 11 16 11.7–.80 4.13S 136.71E 0 3.9b,3.9 **¶621076511**
DJA VIII 30 11 16 16.2–.60 4S–3.0 137E–2.0 14–5 4.5b,4.3
ISC Event type se.
ISC IX 09 02 16 32.8–.29 4.04S–.03 134.89E–.04 23 5.0b,4.4s 282 3-151
IDC IX 09 02 16 29.2–.45 3.94S 134.89E 0 5.0L,4.7 **¶621044110**
GFZ IX 09 02 16 31.4–.24 4S–3.0 135E–3.0 10 5.5b,5.5L
NEIC IX 09 02 16 32.6–1.2 3.96S–.05 134.93E–.06 16–4 5.0b,5.5L
GCMT IX 09 02 16 32.4–.10 3.92S–.01 135.07E–.01 17–0 5.2W,5.5L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090216A. Moment Tensor Solution. s83,c103; s133,c217;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.01 $M_{\theta\theta}$-0.71±.01; $M_{\phi\phi}$0.79±.02; $M_{r\theta}$0.22±.04; $M_{\theta\phi}$-0.17±.01; $M_{\phi r}$0.15±.04; Best double couple: NP1: ϕ_s310.00000°,δ71.00000°,λ-173.00000°. NP2:ϕ_s217.00000°,δ83.00000°,λ-19.00000°. Principal axes: T 0.8330,Plg8.0000°,Azm265.0000°; N -0.0240,Plg70.0000°,Azm18.0000° ; P -0.8080,Plg18.0000°,Azm172.0000° $M_0$0.82100×10^{17}
IDC IX 06 04 09 58.4–4.6 4.49S 135.07E 119–35 3.9,3.5s
¶621094225
IDC Error ellipse: s-maj=85.5km s-min=17.3km az=80.0.
IDC X 04 17 07 30.7–2.4 0.01N 132.98E 0 4.3b,4.1
¶621203128
IDC Error ellipse: s-maj=103.0km s-min=22.7km az=71.0.
ISC IX 17 19 25 53.7–2.7 2.18S–.04 136.63E–.03 29–20 4.1b 92 1-99
IDC IX 17 19 25 49.0–.94 2.24S 136.58E 0 4.0b,4.0 **¶621112982**
DJA IX 17 19 25 54.0–.80 2S–2.0 137E–2.0 25–8 4.8b,4.5
NEIC IX 17 19 25 56.4–1.2 2.36S–.09 136.48E–.06 49–7 4.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 13 56 02.6–.62 4.94S–.05 133.62E–.08 25 4.3b 31 2-69
IDC IX 26 13 56 01.3–1.2 4.69S 133.73E 0 4.0,3.7L **¶621131514**
NEIC IX 26 13 56 01.7–1.4 4.81S–.05 133.68E–.08 10–1 4.2b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 15 23 02.2–2.1 4.5S–.10 134.3E–.30 22 9 5-73
IDC IX 09 15 22 58.3–1.7 4.04S 134.76E 0 4.0L,3.8 **¶621105889**
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=16.3km az=68.0.
ISC IX 23 18 37 22.3–.75 4.15S–.05 134.97E–.04 23 29 1-69
IDC IX 23 18 37 19.7–1.1 3.98S 135.09E 0 3.9,3.7L **¶621125873**
DJA IX 23 18 37 23.1–.30 4S–3.0 135E–2.0 10 3.9,3.9
ISC Event type se.
ISC X 05 16 10 37.9–.40 4.09S–.04 133.22E–.05 10 4.5b,3.5s 138 2-89
GFZ X 05 16 10 37.3–.24 4S–3.0 133E–3.0 10 5.1b,4.8L **¶621125909**
IDC X 05 16 10 37.3–.68 4.12S 132.83E 0 4.2,4.1b
NEIC X 05 16 10 39.0–1.8 4.11S–.04 133.03E–.07 10–1 4.4b,4.1b
DJA X 05 16 10 38.2–.20 4S–2.0 133E–2.0 10 5.3b,4.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 07 03 15 09.5–.51 3.42S–.04 135.42E–.04 50 4.0b 58 1-88
IDC X 07 03 15 03.3–.83 3.30S 135.70E 0 4.0L,4.0 **¶621217183**
NEIC X 07 03 15 07.8–1.8 3.48S–.08 135.6E–.10 32–6 4.1b,4.0
DJA X 07 03 15 11.6–.90 3S–3.0 135E–3.0 39–13 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 20 47 52.7–2.1 3.5S–.20 134.8E–.30 10 6 4-68
IDC X 23 20 47 50.6–2.5 3.25S 134.99E 0 3.4,3.3b **¶621309393**
ISC Event type se.
IDC Error ellipse: s-maj=53.9km s-min=19.3km az=59.0.
ISC X 09 18 16 25.4–.93 4.00S–.04 133.37E–.05 35 34 2-68
IDC X 09 18 16 21.2–2.2 3.96S 133.30E 0 3.9L,3.7 **¶621235341**
DJA X 09 18 16 26.4–1.5 4S–2.0 133E–2.0 30–21 4.3b,4.2
ISC Event type se.
ISC X 12 12 52 46.2–1.9 3.24S–.04 135.52E–.04 3–14 29 1-68
IDC X 12 12 52 46.3–2.4 3.30S 135.33E 0 3.6L,3.6 **¶621236952**
DJA X 12 12 52 49.7–.90 3S–2.0 136E–2.0 19–8 3.9b,3.8
ISC Event type se.
ISC X 14 23 32 38.4–1.4 1.60S–.05 135.61E–.04 3–10 3.5b 31 1-86
IDC X 14 23 32 37.9–1.4 1.64S 135.56E 0 3.6,3.5L **¶621240663**
DJA X 14 23 32 39.6–.30 2S–3.0 136E–2.0 10 4.7b,4.1
ISC Event type se.
ISC X 16 11 13 05.5–1.6 0.76S–.04 131.04E–.04 2–10 3.9b 62 0-98
IDC X 16 11 13 06.0–.81 0.74S 130.91E 0 3.9s,3.8b **¶621242118**
NEIC X 16 11 13 07.7–.70 0.81S–.05 130.98E–.09 10–1 4.1b,3.8b
DJA X 16 11 13 10.6–.50 1S–3.0 131E–2.0 37–14 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 19 13 03 35.1–.46 4.08S–.05 135.90E–.04 10 4.0b 77 1-149
IDC X 19 13 03 34.5–.67 3.95S 135.77E 0 4.1L,4.0 **¶621244081**
DJA X 19 13 03 36.3–1.5 4S–3.0 136E–2.0 13–13 5.5b,5.0
NEIC X 19 13 03 37.2–1.3 4.03S–.08 135.82E–.06 16–4 4.3b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 09 13 09 05.0–.33 4.09S–.03 134.00E–.04 10 4.6b 255 1-150
IDC X 09 13 09 03.5–.50 4.06S 133.92E 0 4.3L,4.2 **¶621144007**
GFZ X 09 13 09 04.9–.19 4S–3.0 134E–2.0 10 4.9b,4.8b
NEIC X 09 13 09 05.8–2.1 4.10S–.07 133.97E–.09 10–1 4.5b,4.8b
DJA X 09 13 09 07.0–.30 4S–2.0 134E–1.0 23–3 5.6b,5.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA X 12 10 09 26.8–1.8 4S–2.0 134E–5.0 23–16 4.9b,4.2
¶626703658
ISC X 11 06 34 10.1–.81 3.09S–.07 135.46E–.04 10 18 1-68
IDC X 11 06 34 10.6–1.2 2.97S 135.38E 0 3.8L,3.8 **¶621236863**
DJA X 11 06 34 14.0–.60 3S–8.0 135E–3.0 10 4.0,4.0
ISC Event type se.
ISC X 13 03 08 46.0–.48 0.38S–.05 133.01E–.06 32 4.4b,4.1s 109 1-145
IDC X 13 03 08 40.7–.69 0.35S 133.03E 0 4.3L,4.3b **¶621238944**
DJA X 13 03 08 45.7–1.4 0S–3.0 133E–2.0 25–13 5.5b,5.0
NEIC X 13 03 08 46.9–1.4 0.41S–.09 132.9E–.10 31–5 4.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 03 28 48.6–.56 0.37S–.05 132.95E–.05 32 4.3b 66 1-86
IDC X 13 03 28 44.2–.78 0.39S 133.03E 0 4.2L,4.2b **¶621238946**
DJA X 13 03 28 46.3–.50 0S–4.0 133E–3.0 10 5.6b,5.1
NEIC X 13 03 28 47.1–1.6 0.42S–.09 132.85E–.10 10–1 4.5b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 13 04 08 04.5–1.5 4.11S 136.83E 0 3.5,3.3b
¶621238948
IDC Error ellipse: s-maj=36.0km s-min=23.1km az=129.0.
ISC X 19 00 37 30.0–1.7 3.58S–.03 134.80E–.03 6–11 4.6b,3.4s 110 1-150
IDC X 19 00 37 28.9–.64 3.55S 134.69E 0 4.4b,4.3 **¶621211182**
NEIC X 19 00 37 31.2–1.5 3.63S–.07 134.70E–.02 10–1 4.7b,4.3
DJA X 19 00 37 31.4–.20 4S–2.0 135E–2.0 10 4.8b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 22 20 51 43.2–.64 4.16S–.04 136.34E–.04 27 3.9b 39 0-88
IDC X 22 20 51 39.4–.89 4.14S 136.27E 0 4.1L,3.9b **¶621309348**
DJA X 22 20 51 43.1–.20 4S–2.0 136E–2.0 10 4.5b,4.2
ISC Event type se.
ISC X 27 11 14 05.5–.93 3.18S–.05 135.61E–.04 35 27 1-68
IDC X 27 11 14 01.1–2.4 3.20S 135.51E 0 3.7,3.6b **¶621385460**
DJA X 27 11 14 04.5–.20 3S–3.0 136E–2.0 10 3.7,3.7
ISC Event type se.
IDC X 26 21 55 33.0–3.7 1.43S 136.14E 0 3.4b,3.4
¶621366493
IDC Error ellipse: s-maj=164.4km s-min=29.1km az=80.0.
ISC X 26 01 03 00.7–.69 4.54S–.06 135.16E–.10 16 4.5b 25 3-84
IDC X 26 01 02 57.0–2.1 4.08S 135.64E 0 3.9L,3.8b **¶621366450**
NEIC X 26 01 03 13.3–.43 4.48S–.10 134.9E–.10 119–3 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 23 23 52 29.0–1.2 0.57S 131.23E 0 3.4b,3.2
¶621309400
IDC Error ellipse: s-maj=16.1km s-min=13.6km az=59.0.
ISC X 25 18 20 32.6–.99 3.4S–.10 134.5E–.10 24 7 4-68
IDC X 25 18 20 29.6–1.3 3.28S 134.55E 0 3.5,3.4b **¶621366442**
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=16.8km az=40.0.
DJA XI 03 09 34 03.4–.30 4S–3.0 135E–2.0 78–11 4.0b,3.9
¶626705027
ISC X 28 04 19 32.1–.55 3.46S–.05 135.41E–.04 44–5 4.5b,3.5s 102 1-150
DJA X 28 04 19 31.9–1.1 3S–3.0 135E–2.0 14–9 5.1b,4.8b **¶621391386**
NEIC X 28 04 19 32.4–.94 3.45S–.07 135.42E–.06 36–5 4.6b,4.8b
IDC X 28 04 19 32.4–.68 3.47S 135.34E 40–5 4.2,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.4km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=11.9km az=51.0.
ISC X 27 13 37 39.3–.78 3.26S–.05 135.59E–.04 22 27 1-76
DJA X 27 13 37 39.6–.30 3S–3.0 136E–2.0 10 3.6b,3.6 **¶621385466**
IDC X 27 13 37 44.3–4.9 3.66S 134.97E 32–37 3.6L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=15.7km az=74.0.
IDC XI 01 14 37 33.8–2.4 3.28S 134.97E 0 3.5b,3.5
¶621401271
IDC Error ellipse: s-maj=52.6km s-min=18.8km az=59.0.
ISC XI 06 16 01 55.1–.32 3.43S–.04 134.01E–.04 13 4.7b,4.0s 272 1-151
BJI XI 06 16 01 49.3 3.67S 134.60E 10 5.2b,4.8s **¶621370950**
IDC XI 06 16 01 53.4–.51 3.31S 134.00E 0 4.4b,4.4
GFZ XI 06 16 01 56.2–.16 3S–3.0 134E–2.0 24 5.2b,4.7L
NEIC XI 06 16 01 56.3–1.8 3.48S–.09 134.03E–.08 16–4 4.8b,4.7L
DJA XI 06 16 01 56.6–.90 3S–2.0 134E–2.0 11–8 5.1b,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 06 16 12 12.2–.42 3.48S–.05 134.07E–.04 13 4.3b 102 1-151
IDC XI 06 16 12 09.8–.61 3.35S 134.01E 0 4.2,4.1b **¶621370955**
NEIC XI 06 16 12 12.5–2.1 3.51S–.05 134.16E–.04 10–1 4.4b,4.1b
DJA XI 06 16 12 13.2–.20 3S–2.0 134E–2.0 10 5.4b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 08 23 26.7–.68 3.37S–.05 134.00E–.05 13 3.8b 26 1-88
IDC XI 09 08 23 24.2–1.1 3.20S 134.11E 0 3.8L,3.8b **¶621423143**
DJA XI 09 08 23 27.5–.70 3S–5.0 134E–4.0 10 3.9,3.9
ISC Event type se.
DJA XI 08 09 26 53.3–1.5 3S–3.0 136E–3.0 18–14 4.3b,4.0
¶626705220
ISC XI 06 23 08 33.4–.85 1.81S–.05 134.05E–.04 50 3.6b 39 0-70
IDC XI 06 23 08 34.5–2.2 1.90S 133.93E 58–20 4.1L,3.9 **¶621416007**
DJA XI 06 23 08 35.1–.20 2S–3.0 134E–2.0 42–9 4.9b,4.5b
ISC Event type se.
ISC XI 06 17 18 19.7–.55 4.23S–.04 133.74E–.05 10 3.9b 81 2-86
IDC XI 06 17 18 19.2–.95 4.21S 133.74E 0 3.9L,3.9 **¶621415992**
NEIC XI 06 17 18 20.6–2.1 4.28S–.04 133.68E–.09 10–1 4.1b,3.9
DJA XI 06 17 18 24.0–.20 4S–2.0 134E–2.0 60–13 5.0b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 10 20 23 25.9–1.7 4.21S–.03 134.35E–.04 23–14 3.8b 47 1-78
IDC XI 10 20 23 23.6–.91 4.05S 134.38E 0 3.8L,3.8b **¶621440078**
DJA XI 10 20 23 27.7–.20 4S–2.0 134E–2.0 64–13 6.3b,6.0
ISC Event type se.
ISC XI 11 18 47 31.0–.87 4.16S–.04 134.32E–.05 21 3.6b 30 1-78
IDC XI 11 18 47 27.8–1.6 4.10S 134.39E 0 3.6L,3.6b **¶621449534**
DJA XI 11 18 47 32.5–2.6 4S–3.0 134E–3.0 18–24 4.1b,3.8
ISC Event type se.
ISC XI 10 17 46 42.0–.40 4.42S–.02 134.15E–.03 20–1 6.1s,5.8b 1521 1-170
BJI XI 10 17 46 32.0 5.05S 134.60E 5 6.0s,5.9b **¶622274821**
IDC XI 10 17 46 38.9–.30 4.35S 134.21E 0 5.7s,5.2L
MOS XI 10 17 46 39.6–1.1 4.40S 134.21E 17 5.9b,5.8s
NEIC XI 10 17 46 40.4 4.33S 134.18E 10 5.9b,5.8s
NEIC XI 10 17 46 40.4–1.7 4.32S–.05 134.18E–.06 10–1 6.1,6.1b
NEIC XI 10 17 46 40.2 4.39S 134.17E 10 6.1,6.1b
DJA XI 10 17 46 41.0–.10 4S–1.0 134E–1.0 13 6.2,6.2b
GFZ XI 10 17 46 42.7–.10 4S–2.0 134E–2.0 20 6.2b,6.2L
PTWC XI 10 17 46 42 4.40S 134.20E 6.2,6.2L
GFZ XI 10 17 46 42.4 4.42S 134.08E 21 6.0W,6.2L
GCMT XI 10 17 46 43.7–.10 4.21S–.01 134.22E 14–0 6.0W,6.2L
NEIC XI 10 17 46 48.6 4.29S 134.27E 20 6.0,6.2L
ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=7.9km az=62.0.
MOS Error ellipse: s-maj=8.1km s-min=4.7km az=111.5.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.6km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.20 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$0.81 $M_{r\theta}$0.14 $M_{\theta\phi}$0.94 $M_{\phi r}$0.08 NP1:ϕ_s68.23000°,δ87.49000°,λ7.64000°. NP2:ϕ_s337.89000°,δ82.37000° ,λ177.47000°. Principal axes: T 1.2286,Plg7.0000°,Azm293.0000°; N 0.1884,Plg82.0000° ,Azm86.0000°; P -1.4170,Plg4.0000°,Azm203.0000° $M_0$1.33000×10^{18}
NEIC Event type se.
GFZ Error ellipse: s-maj=4.1km s-min=3.5km az=40.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
PTWC PAPUA REGION, INDONESIA.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.59 $M_{\theta\theta}$0.42 $M_{\phi\phi}$1.01 $M_{r\theta}$0.56 $M_{\theta\phi}$0.70 $M_{\phi r}$0.30 NP1: ϕ_s343.51438°,δ48.56596°,λ-155.12401°. NP2:ϕ_s236.45624°,δ71.61666°,λ-44.21433°. Principal axes: T 1.4221,Plg14.1777°,Azm294.9406°; N -0.3196,Plg42.8561°,Azm38.4965° ; P -1.1025,Plg43.7042°,Azm190.9685° $M_0$1.29227×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111101746A. Moment Tensor Solution. s129,c227; s162,c482;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.30±.01 $M_{\theta\theta}$-0.78±.01; $M_{\phi\phi}$1.09±.01; $M_{r\theta}$0.13±.03; $M_{\theta\phi}$0.74±.01; $M_{\phi r}$0.28±.03; Best double couple: NP1:ϕ_s334.00000°,δ81.00000°,λ175.00000°. NP2:ϕ_s65.00000°,δ85.00000°,λ9.00000°. Principal axes: T 1.4060,Plg10.0000°,Azm289.0000°; N -0.3570,Plg79.0000°,Azm94.0000° ; P -1.0450,Plg3.0000°,Azm199.0000° $M_0$1.22600×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 4s8 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.83 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$1.11 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.62 $M_{\phi r}$0.18 NP1:ϕ_s169.45000°,δ55.17000° ,λ-138.27000°. NP2:ϕ_s52.46000°,δ56.88000°,λ-42.99000°. Principal axes: T 1.3498,Plg1.0000°,Azm111.0000°; N -0.0501,Plg38.0000°,Azm202.0000° ; P -1.2997,Plg52.0000°,Azm20.0000° $M_0$1.33000×10^{18}

ISC XI 10 18 05 47.5–.63 4.11S–.04 134.39E–.06 21 45 1-78
NEIC XI 10 18 05 45.3–1.6 4.32S–.09 134.33E–.06 10–2 4.1b **¶621440073**
IDC XI 10 18 05 45.1–1.0 3.88S 134.43E 0 4.1,3.8b
DJA XI 10 18 05 49.8–.50 4S–4.0 134E–3.0 108–15 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XI 10 18 15 38.0–.60 4S–4.0 134E–4.0 61–36 4.0b,3.8 ¶626705272
DJA XI 10 18 21 38.0–2.3 4S–2.0 134E–4.0 19–21 3.9b,3.8 ¶626705271
ISC XI 10 18 35 19.0–1.7 4.2S–.10 134.3E–.30 21 7 4-78
IDC XI 10 18 35 15.4–1.9 3.88S 134.62E 0 3.7L,3.6b **¶621440074**
ISC Event type se.
IDC Error ellipse: s-maj=49.8km s-min=17.3km az=66.0.
ISC XI 16 02 29 26.1–.49 3.62S–.04 135.35E–.04 22 4.0b 59 1-150
IDC XI 16 02 29 28.9–1.9 3.40S 135.35E 42–17 4.0L,4.0 **¶621475659**
DJA XI 16 02 29 29.1–3.1 3S–4.0 135E–3.0 23–32 5.0b,4.3
NEIC XI 16 02 29 30.6–.94 3.55S–.09 135.28E–.08 55–8 4.1b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XI 12 20 15 22.8–.30 4S–3.0 135E–3.0 10 4.0b,3.9 ¶626705324
ISC XI 13 19 31 29.7–.87 3.74S–.05 134.84E–.05 25 32 1-68
IDC XI 13 19 31 27.5–2.6 3.76S 134.81E 0 3.6L,3.6 **¶621468616**
DJA XI 13 19 31 28.7–.20 4S–3.0 135E–2.0 10 5.4b,4.8
ISC Event type se.
DJA XI 14 19 36 15.3–.30 1S–3.0 132E–2.0 10 5.3b,4.7 ¶626705365
DJA XI 20 15 26 19.3–.40 1S–4.0 136E–3.0 10 3.8b,3.7 ¶626705635
ISC XI 19 14 53 30.2–.85 3.00S–.05 136.10E–.04 33 38 1-68
IDC XI 19 14 53 25.1–1.1 2.97S 136.07E 0 3.7L,3.7 **¶621590295**
DJA XI 19 14 53 29.4–.60 3S–2.0 136E–2.0 11–4 5.6b,5.1
ISC Event type se.
IDC XI 25 22 14 00.1–2.2 1.80S 136.29E 0 3.8,3.6L ¶621618728
IDC Error ellipse: s-maj=39.4km s-min=22.1km az=44.0.
DJA XI 20 19 14 15.7–.90 3S–3.0 135E–2.0 11–8 3.8b,3.6 ¶626705631
DJA XI 20 19 49 14.9–.30 1S–3.0 136E–2.0 10 5.2b,4.6 ¶626705630
IDC XI 22 05 58 18.3–2.4 1.91S 133.19E 0 3.6L,3.6 ¶621611892
IDC Error ellipse: s-maj=52.5km s-min=18.7km az=56.0.
DJA XI 26 08 57 40.6–.30 4S–3.0 134E–3.0 10 4.2b,4.0 ¶626705849
IDC XI 26 21 17 59.0–2.2 2.90S 135.89E 0 3.6b,3.5 ¶621622028
IDC Error ellipse: s-maj=53.5km s-min=23.8km az=63.0.
ISC XI 26 07 08 49.5–.46 4.41S–.04 134.02E–.05 21 4.1b 87 1-150
IDC XI 26 07 08 46.7–.56 4.35S 134.05E 0 3.9L,3.9b **¶621621988**
NEIC XI 26 07 08 48.4–1.4 4.39S–.08 134.01E–.08 10–1 4.4b,3.9b
DJA XI 26 07 08 49.0–.20 4S–2.0 134E–2.0 10 6.0,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 01 05 43 00.9–.20 3S–3.0 136E–2.0 10 4.1b,3.9 ¶626706410
ISC XI 27 15 55 26.6–1.0 3.7S–.10 134.7E–.20 24 4.1b 11 4-88
IDC XI 27 15 55 22.9–1.1 3.54S 134.86E 0 4.0b,3.9 **¶621625131**
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=17.6km az=66.0.
ISC XI 27 17 32 37.1–.71 3.96S–.06 134.69E–.09 21 4.0b 27 3-90
IDC XI 27 17 32 34.8–1.7 3.58S 135.03E 0 3.8,3.7b **¶621625135**
NEIC XI 27 17 32 36.0–2.8 3.66S–.08 134.92E–.09 10–2 4.1b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 28 09 30 27.8–2.4 4.32S 133.70E 0 3.7,3.5L ¶621625171
IDC Error ellipse: s-maj=66.8km s-min=18.2km az=79.0.
ISC XI 28 23 34 02.8–.52 3.70S–.04 134.73E–.04 24 4.2b 55 1-150
IDC XI 28 23 33 59.1–1.0 3.68S 134.69E 0 3.9L,3.9 **¶621625199**
NEIC XI 28 23 34 02.9–2.4 3.86S–.05 134.4E–.10 10–1 4.5b,3.9
DJA XI 28 23 34 02.3–.30 4S–3.0 135E–2.0 10 5.1b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 04 35 28.2–.59 3.19S–.04 135.16E–.03 28 4.3b 43 0-87
IDC XI 30 04 35 23.8–1.1 3.21S 135.09E 0 3.9b,3.8 **¶621627016**
DJA XI 30 04 35 28.4–.40 3S–3.0 135E–2.0 11–3 4.9b,4.5b
NEIC XI 30 04 35 29.3–1.6 3.29S–.08 135.17E–.07 33–6 4.3b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 04 15 17 34.3–.81 4.63S–.06 133.72E–.07 21 18 1-68
IDC XII 04 15 17 32.7–1.9 4.20S 134.17E 0 3.8,3.7L **¶621630675**
DJA XII 04 15 17 36.8–.40 4S–6.0 134E–4.0 10 5.6b,5.1
ISC Event type se.
DJA XII 02 10 49 20.1–.60 1S–5.0 133E–2.0 13–3 4.0,3.6 ¶636144672
ISC XII 05 01 10 57.1–.52 1.92S–.03 140.52E–.03 18–2 5.4b,4.6s 906 1-167
MOS XII 05 01 10 53.9–.91 1.86S 140.59E 11 5.5b,4.7s **¶621612579**
BJI XII 05 01 10 53.2 2.06S 140.99E 23 5.5b,5.4b
IDC XII 05 01 10 54.1–.35 1.84S 140.62E 0 5.5L,5.1
NEIC XII 05 01 10 57.0–1.8 1.90S–.05 140.54E–.07 13–2 5.4b,5.3
GFZ XII 05 01 10 56.8–.20 2S–3.0 141E–3.0 10 5.7b,5.5
GFZ XII 05 01 10 56.6 1.84S 140.56E 18 5.4W,5.5
GCMT XII 05 01 10 59.3–.10 1.83S–.01 140.50E–.01 14–0 5.4W,5.5
DJA XII 05 01 10 59.7–.40 2S–2.0 141E–2.0 32–3 5.8b,5.5W
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.48 $M_{\theta\theta}$1.49 $M_{\phi\phi}$-0.00 $M_{r\theta}$0.15 $M_{\theta\phi}$0.01 $M_{\phi r}$0.08 NP1: ϕ_s92.85557°,δ42.19548°,λ-85.32697°. NP2:ϕ_s266.55943°,δ47.97696°,λ-94.22420°. Principal axes: T 1.4951,Plg2.8951°,Azm359.5489°; N -0.0001,Plg3.1368°,Azm269.3901° ; P -1.4950,Plg85.7294°,Azm132.1770° $M_0$1.49501×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112050110A. Moment Tensor Solution. s82,c131; s132,c258;Duration: 1τ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21±.04 $M_{\theta\theta}$1.57±.03; $M_{\phi\phi}$-0.35±.03; $M_{r\theta}$0.04±.04; $M_{\theta\phi}$0.04±.02; $M_{\phi r}$-0.14±.06; Best double couple: NP1:ϕ_s80.00000° ,δ45.00000°,λ-103.00000°. NP2:ϕ_s278.00000°,δ46.00000°,λ-78.00000°. Principal axes: T 1.5710,Plg1.0000°,Azm359.0000°; N -0.3380,Plg9.0000°,Azm89.0000° ; P -1.2320,Plg81.0000°,Azm265.0000° $M_0$1.40200×10^{17}
ISC XII 08 21 07 54.5–.83 4.31S–.05 134.15E–.07 21 44 1-68
DJA XII 08 21 07 54.7–1.2 4S–2.0 134E–2.0 17–11 6.0b,5.6 **¶621634751**
IDC XII 08 21 08 04.3–1.9 5.56S 134.20E 0 3.6,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=17.1km az=85.0.
DJA XII 06 16 46 34.1–.70 3S–4.0 136E–3.0 27–8 4.7b,4.2 ¶626706505
ISC XII 13 22 07 49.9–1.7 1.84S–.09 140.53E–.09 10 3.5b 16 1-88
DJA XII 13 22 07 51.0–1.0 2S–6.0 141E–8.0 15–10 4.0,3.9 **¶621650604**
IDC XII 13 22 07 53.0–1.4 2.60S 140.22E 0 3.6,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=15.1km az=157.0.
ISC XII 12 19 06 10.3–1.3 4.47S–.07 136.99E–.06 35 15 0-70
IDC XII 12 19 06 09.8–3.6 4.73S 137.72E 0 3.7b,3.6 **¶621650533**
DJA XII 12 19 06 09.2–.40 4S–5.0 137E–4.0 10 3.9,3.9
ISC Event type se.
ISC XII 16 00 32 56.2–1.4 3.10S–.04 131.10E–.03 2–12 23 1-66
IDC XII 16 00 32 55.6–2.6 2.95S 131.28E 0 3.6,3.5b **¶621655740**
DJA XII 16 00 33 00.0–.20 3S–3.0 131E–2.0 10 3.4,3.2
ISC Event type se.
ISC XII 17 23 22 28.4–1.0 3.19S–.09 131.2E–.50 10 6 2-66
IDC XII 17 23 22 27.8–1.3 3.16S 131.11E 0 3.7b,3.6 **¶621656958**
ISC Event type se.
IDC Error ellipse: s-maj=74.0km s-min=15.4km az=86.0.
ISC XII 16 14 40 20.4–1.0 0.6S–.10 135.59E–.07 26 3.7b,3.4s 17 1-76
DJA XII 16 14 40 15.7–2.7 0S–25 136E–12 10 4.3,4.3 **¶621655788**
IDC XII 16 14 40 15.5–2.2 0.51S 135.94E 0 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=94.9km s-min=21.5km az=79.0.
ISC XII 18 16 30 47.9–.41 3.96S–.03 133.40E–.03 10 4.4b 90 0-89
IDC XII 18 16 30 48.8–.83 3.95S 133.20E 0 4.1L,4.0 **¶621657014**
NEIC XII 18 16 30 49.3–1.7 4.03S–.07 133.3E–.10 10–1 4.4b,4.0
DJA XII 18 16 30 49.3–.20 4S–2.0 134E–1.0 10 5.3b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 18 28 16.0–.70 0.28S–.10 131.7E–.10 35 4.8b 29 3-86
IDC XII 18 18 28 09.4–6.8 0.11N 132.81E 0 4.4b,4.4 **¶621657018**
NEIC XII 18 18 28 12.9–1.1 0.28S–.10 131.8E–.10 10–1 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 19 06 08.1–.87 0.72S–.04 131.55E–.03 28–6 4.6b,3.6s 266 1-89
IDC XII 18 19 06 04.0–.56 0.65S 131.54E 0 4.6L,4.5 **¶621633504**
DJA XII 18 19 06 06.7–.20 1S–2.0 132E–1.0 10 5.3b,4.9
GFZ XII 18 19 06 08.4–.20 1S–2.0 131E–2.0 32 5.0b,4.8L
NEIC XII 18 19 06 09.0–1.1 0.80S–.07 131.48E–.08 37–6 4.6b,4.8L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 18 26 16.4–.76 0.67S–.05 131.53E–.03 10 3.8b 39 0-68
IDC XII 18 19 26 14.1–1.2 0.68S 131.65E 0 3.8b,3.8 **¶621657023**
DJA XII 18 19 26 17.2–.20 1S–2.0 132E–2.0 10 4.5b,4.2
ISC Event type se.
ISC XII 18 19 28 00.2–.82 0.58S–.04 131.58E–.04 35 3.7b 32 0-68
IDC XII 18 19 27 55.0–1.4 0.60S 131.59E 0 3.8,3.7L **¶621657024**
DJA XII 18 19 27 59.2–.50 1S–2.0 132E–2.0 25–5 4.0,4.0
ISC Event type se.
ISC XII 18 20 05 31.4–.93 0.68S–.06 131.51E–.04 35 3.9b 24 1-68
IDC XII 18 20 05 27.3–2.3 0.82S 131.07E 0 3.7b,3.6 **¶621657028**
DJA XII 18 20 05 30.1–.30 1S–3.0 132E–2.0 10 3.9,3.9
ISC Event type se.
ISC XII 18 23 37 01.0–.66 0.66S–.05 131.56E–.04 35 4.2b 44 1-89
IDC XII 18 23 36 57.2–1.7 0.76S 131.28E 0 4.2b,4.1 **¶621657043**
NEIC XII 18 23 36 58.9–1.3 0.91S–.04 131.22E–.09 10–2 4.1b,4.1
DJA XII 18 23 36 59.8–.30 1S–3.0 132E–2.0 10 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 18 26 00.5–.47 0.72S–.03 131.57E–.04 14–2 5.4b,5.0s 885 1-173
BJI XII 18 18 25 56.2 0.98S 131.69E 16 5.5b,5.1s **¶621633500**
MOS XII 18 18 25 58.7–1.0 0.67S 131.47E 13 5.5b,4.6s
IDC XII 18 18 25 58.9–.39 0.68S 131.42E 0 5.0b,5.0
NEIC XII 18 18 25 59.3 0.71S 131.48E 10 5.0b,5.0
NEIC XII 18 18 25 59.2–1.3 0.69S–.06 131.52E–.08 10–1 5.5b,5.4
NEIC XII 18 18 25 59.3 0.71S 131.48E 10 5.5b,5.4
GFZ XII 18 18 26 01.1–.19 1S–2.0 132E–3.0 10 5.7b,5.7L
DJA XII 18 18 26 03.5–.40 1S–2.0 132E–1.0 27–3 5.8b,5.7
GCMT XII 18 18 26 03.1–.10 0.66S–.01 131.44E–.01 15–0 5.3W,5.7
GFZ XII 18 18 26 04.0 0.74S 131.48E 20 5.2W,5.7
NEIC XII 18 18 26 07.2 0.71S 131.48E 12 5.2,5.7
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=4.7km az=117.3.
IDC Error ellipse: s-maj=13.6km s-min=8.3km az=74.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=7.2km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-1.11 $M_{\phi\phi}$0.86 $M_{r\theta}$0.47 $M_{\theta\phi}$1.08 $M_{\phi r}$0.29 NP1:ϕ_s337.61000°,δ68.63000°,λ172.29000°. NP2:ϕ_s70.43000°,δ82.83000° ,λ21.54000°. Principal axes: T 1.5016,Plg20.0000°,Azm296.0000°; N 0.1349,Plg67.0000° ,Azm88.0000°; P -1.6365,Plg10.0000°,Azm202.0000° $M_0$1.57000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112181825A. Moment Tensor Solution. s100,c153; s140,c242;Duration: 1τ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06±.02 $M_{\theta\theta}$-0.80±.02; $M_{\phi\phi}$0.86±.02; $M_{r\theta}$0.22±.04; $M_{\theta\phi}$0.84±.01; $M_{\phi r}$0.34±.06; Best double couple: NP1:ϕ_s337.00000° ,δ76.00000°,λ171.00000°. NP2:ϕ_s69.00000°,δ81.00000°,λ14.00000°. Principal axes: T 1.3310,Plg16.0000°,Azm293.0000°; N -0.1690,Plg73.0000°,Azm99.0000° ; P -1.1610,Plg4.0000°,Azm202.0000° $M_0$1.24600×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.02 $M_{\theta\theta}$-5.63 $M_{\phi\phi}$6.66 $M_{r\theta}$1.80 $M_{\theta\phi}$6.55 $M_{\phi r}$2.60 NP1: ϕ_s337.29792°,δ75.56946°,λ172.66962°. NP2:ϕ_s69.13409°,δ82.90210°,λ14.54443°. Principal axes: T 10.3416,Plg15.2831°,Azm293.9367°; N -1.8135,Plg73.8497°,Azm94.6010° ; P -8.5282,Plg5.0970°,Azm202.5401° $M_0$9.56472×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1τ1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.26 $M_{\theta\theta}$-5.95 $M_{\phi\phi}$4.69 $M_{r\theta}$1.56 $M_{\theta\phi}$4.87 $M_{\phi r}$1.69 NP1:ϕ_s334.78000°,δ72.33000° ,λ169.76000°. NP2:ϕ_s67.92000°,δ80.25000°,λ17.94000°. Principal axes: T 7.3446,Plg20.0000°,Azm292.0000°; N 0.5807,Plg70.0000°,Azm96.0000° ; P -7.9253,Plg5.0000°,Azm200.0000° $M_0$7.65000×10^{16}
ISC XII 18 20 21 48.7–1.4 0.61S–.05 131.55E–.03 13–10 3.8b 40 0-68
IDC XII 18 20 21 48.3–1.0 0.85S 130.92E 0 3.5b,3.5 **¶621657030**
DJA XII 18 20 21 49.9–.20 1S–2.0 132E–2.0 10 4.5b,4.0
ISC Event type se.
DJA XII 19 19 32 49.0–.30 1S–3.0 132E–2.0 10 4.4b,4.0 ¶626707113
ISC XII 18 20 34 14.5–1.5 0.58S–.05 131.50E–.04 4–10 3.5b 31 0-120
IDC XII 18 20 34 13.6–1.0 0.54S 131.46E 0 3.4b,3.4 **¶621657031**
DJA XII 18 20 34 16.2–.30 1S–3.0 132E–2.0 10 4.0,3.9
ISC Event type se.
IDC XII 18 21 19 20.2–4.8 0.99S 130.69E 0 3.1L,3.1b ¶621657035
IDC Error ellipse: s-maj=348.1km s-min=29.8km az=71.0.
ISC XII 19 06 48 16.8–.49 1.19S–.04 131.43E–.04 10 4.2b,3.6s 58 0-98
DJA XII 19 06 48 12.7–.60 1S–5.0 132E–3.0 16–5 4.5,4.4 **¶621657062**
IDC XII 19 06 48 15.7–1.0 1.08S 131.69E 0 3.9b,3.9
NEIC XII 19 06 48 18.2–.95 1.24S–.09 131.44E–.08 16–3 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 19 06 57 58.8–.52 0.60S–.05 131.63E–.04 10 4.1b 53 0-89
IDC XII 19 06 57 57.7–1.7 0.57S 131.66E 0 3.9b,3.9 **¶621657063**

NEIC XII 19 06 57 59.3–.80 0.59S–.10 131.6E–.10 10–1 4.1b,3.9
DJA XII 19 06 58 01.0–.30 1S–4.0 132E–2.0 10 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 01 51 02.3–1.7 0.60S–.05 133.25E–.03 16–11 4.4b 46 0-69
IDC XII 21 01 50 59.9–1.3 0.66S 133.28E 0 4.1L,3.8b **¶621685655**
NEIC XII 21 01 51 04.8–1.6 0.60S–.08 133.29E–.09 30–4 4.6b,3.8b
DJA XII 21 01 51 04.0–.30 1S–3.0 133E–2.0 10 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 14 13 46.6–.93 0.58S–.05 131.55E–.04 10 33 0-64
IDC XII 20 14 13 44.5–1.8 0.69S 131.71E 0 3.6L,3.6 **¶621685621**
DJA XII 20 14 13 47.0–.30 1S–3.0 132E–2.0 10 4.1,4.0
ISC Event type se.
ISC XII 21 06 59 32.4–.33 3.56S–.03 131.33E–.03 24 4.8b,3.6s 243 1-152
BJI XII 21 06 59 23.0 4.16S 131.87E 10 4.8b,4.6b **¶621635045**
IDC XII 21 06 59 29.2–.58 3.52S 131.39E 0 4.6b,4.6
NEIC XII 21 06 59 30.8–1.5 3.59S–.06 131.30E–.07 10–1 4.7b,4.6
GFZ XII 21 06 59 31.1–.17 4S–2.0 131E–2.0 10 5.4b,5.3
DJA XII 21 06 59 33.4–.70 3S–2.0 131E–1.0 20–7 5.3b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC XII 21 07 01 46.4–1.6 3.46S 131.07E 0 3.7L,3.7 ¶621685668
IDC Error ellipse: s-maj=82.7km s-min=18.3km az=89.0.
ISC XII 22 16 39 50.1–1.2 0.59S–.05 131.53E–.03 12–10 26 0-64
IDC XII 22 16 39 49.2–1.6 0.90S 130.86E 0 3.2L,3.2b **¶621686779**
DJA XII 22 16 39 50.3–.20 1S–2.0 132E–2.0 10 3.9,3.9
ISC Event type se.
IDC XII 22 08 42 46.1–2.0 1.40S 136.48E 0 3.7,3.6L ¶621686755
IDC Error ellipse: s-maj=83.9km s-min=25.8km az=73.0.
IDC XII 26 08 25 53.9–5.4 1.27S 136.48E 169–70 3.9,3.8b ¶621700205
IDC Error ellipse: s-maj=69.4km s-min=26.5km az=100.0.
ISC XII 22 14 33 06.3–.76 0.65S–.05 131.57E–.03 10 3.9b 27 0-74
IDC XII 22 14 33 03.8–1.0 0.65S 131.67E 0 3.8L,3.8b **¶621686771**
DJA XII 22 14 33 06.8–.30 1S–4.0 132E–2.0 10 4.2,4.2
ISC Event type se.
ISC XII 22 14 35 20.8–1.1 0.77S–.08 131.46E–.05 10 13 0-64
DJA XII 22 14 35 17.0–.50 1S–4.0 131E–4.0 10 4.8,4.6 **¶621686772**
IDC XII 22 14 35 19.4–1.9 0.76S 131.33E 0 3.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=45.7km s-min=22.0km az=98.0.
ISC XII 23 04 13 18.7–.72 0.81S–.06 131.35E–.05 35 4.2b,3.1s 40 0-68
IDC XII 23 04 13 13.4–1.1 0.65S 131.78E 0 4.0L,3.9 **¶621686804**
DJA XII 23 04 13 17.5–.30 1S–3.0 132E–2.0 10 4.4,4.4
NEIC XII 23 04 13 20.0–1.1 0.9S–.10 131.2E–.20 35–2 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 26 15 52 21.4–.60 0S–6.0 133E–2.0 10 4.3b,4.1 ¶626707302
IDC XII 29 14 51 24.6–2.1 2.27S 134.24E 0 3.6,3.5b ¶621724222
IDC Error ellipse: s-maj=48.6km s-min=19.8km az=51.0.
IDC XII 26 19 11 59.2–2.0 2.15S 134.32E 0 3.8,3.7b ¶621700242
IDC Error ellipse: s-maj=44.3km s-min=19.8km az=50.0.
ISC XII 27 05 16 59.3–2.9 4.65S–.04 134.04E–.04 16–20 3.9b,3.7s 67 1-85
IDC XII 27 05 16 57.7–.81 4.67S 133.97E 0 4.4L,4.1 **¶621717290**
DJA XII 27 05 17 01.4–.20 5S–2.0 134E–1.0 73–7 5.4b,5.1b
ISC Event type se.
ISC XII 28 15 50 15.2–.49 3.36S–.04 135.20E–.03 10 4.3b 56 0-86
IDC XII 28 15 50 14.6–1.2 3.20S 135.18E 0 3.9,3.7L **¶621717400**
NEIC XII 28 15 50 19.2–.73 3.30S–.08 135.24E–.06 33–6 4.4b,3.7L
DJA XII 28 15 50 19.2–.50 3S–3.0 135E–2.0 16–5 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(197) Near north coast of Irian Jaya.

ISC VII 02 04 47 53.9–.78 2.66S–.05 139.40E–.04 86–8 4.1b 58 1-86
NEIC VII 02 04 47 53.9–.99 2.70S–.09 139.42E–.06 76–10 4.2b **¶620927711**
IDC VII 02 04 47 54.1–1.2 2.72S 139.50E 90–14 4.0,3.7b
DJA VII 02 04 47 55.1–.40 3S–3.0 139E–3.0 60–12 4.6,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 05 19 22 09.0–.56 1.97S–.05 138.93E–.04 29 4.1b,3.4s 69 0-88
IDC VII 05 19 22 05.1–.69 2.01S 138.82E 0 4.3L,4.1 **¶620927982**
DJA VII 05 19 22 06.7–.40 2S–5.0 139E–2.0 10 4.6b,4.6
NEIC VII 05 19 22 10.5–1.6 2.03S–.09 138.86E–.03 34–6 4.3b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VII 06 17 26 55.3–.60 1S–8.0 139E–3.0 10 3.8,3.8 ¶626066262
ISC VII 09 23 34 09.7–2.4 1.8S–.20 139.8E–.80 35 4.1b 6 16-79
IDC VII 09 23 34 04.2–2.5 1.71S 139.92E 0 4.2L,4.1b **¶620928289**
ISC Event type se.
IDC Error ellipse: s-maj=113.6km s-min=20.7km az=83.0.
IDC VII 09 23 50 59.2–1.8 1.73S 139.27E 0 4.0L,3.8 ¶620928290
IDC Error ellipse: s-maj=31.3km s-min=16.7km az=22.0.
ISC VII 10 08 05 28.3–.51 1.80S–.06 139.20E–.04 29 4.3b 55 1-148
IDC VII 10 08 05 24.4–.62 1.78S 139.08E 0 4.2,4.1b **¶620928343**
DJA VII 10 08 05 25.4–.70 1S–8.0 139E–4.0 10 4.4,4.3
NEIC VII 10 08 05 26.3–.82 1.9S–.10 139.16E–.05 10–1 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 08 51 23.5–.73 1.56S–.07 139.25E–.05 10 4.0b,3.4s 40 1-99
IDC VII 10 08 51 22.8–.91 1.69S 139.22E 0 4.0L,4.0 **¶620928347**
NEIC VII 10 08 51 23.5–.98 1.6S–.10 139.24E–.07 10–1 4.0b,4.0
DJA VII 10 08 51 23.5–1.0 1S–10 139E–4.0 10 4.4,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 10 09 48 58.2–2.0 2.21S 139.40E 0 3.3L,3.3 ¶620928349
IDC Error ellipse: s-maj=33.7km s-min=23.4km az=169.0.
ISC VII 10 14 49 27.1–.97 1.8S–.10 139.22E–.10 29 3.9b 12 2-88
IDC VII 10 14 49 23.0–.92 1.79S 139.19E 0 4.3L,4.1 **¶620928364**
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=15.7km az=45.0.
IDC VII 12 12 08 57.9–1.7 1.68S 139.07E 0 3.8L,3.7 ¶620928491
IDC Error ellipse: s-maj=33.0km s-min=21.0km az=28.0.
ISC VII 13 07 40 18.5–.90 1.97S–.09 139.19E–.07 29 4.1b 30 2-88
IDC VII 13 07 40 13.5–.91 1.76S 139.21E 0 4.3L,4.1 **¶620928524**
NEIC VII 13 07 40 18.5–1.1 1.8S–.10 139.2E–.20 28–7 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 13 08 16 52.9–1.8 1.89S 139.22E 0 3.5L,3.4 ¶620928526
IDC Error ellipse: s-maj=33.2km s-min=17.7km az=20.0.
ISC VII 17 19 19 52.3–1.2 2.06S–.08 139.15E–.05 10 16 0-70
DJA VII 17 19 19 52.2–.70 2S–6.0 139E–3.0 17–7 4.7b,4.0 **¶620928780**
IDC VII 17 19 19 54.5–1.5 2.58S 139.34E 0 3.8L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=18.5km az=161.0.
IDC VII 26 21 17 26.2–5.2 1.93S 138.89E 0 3.2L,3.2b ¶620973881
IDC Error ellipse: s-maj=209.3km s-min=31.3km az=86.0.
ISC VIII 15 09 36 56.9–.72 2.74S–.04 139.32E–.04 83–7 4.2b 102 1-147
NEIC VIII 15 09 36 56.1–1.2 2.85S–.08 139.25E–.07 67–3 4.4b **¶621023581**
IDC VIII 15 09 36 57.6–1.2 2.84S 139.39E 88–12 4.4,4.0b
DJA VIII 15 09 36 58.2–.80 3S–3.0 139E–2.0 29–9 4.7,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 04 09 52 07.7–.91 2.43S–.07 140.01E–.07 25 3.8b 14 0-85
IDC VIII 04 09 52 07.3–1.4 2.53S 139.31E 0 5.8L,3.8 **¶620997301**
DJA VIII 04 09 52 07.1–.70 2S–4.0 140E–5.0 10 3.8,3.8
ISC Event type se.
ISC VIII 10 17 56 03.2–.70 2.14S–.06 139.22E–.05 29 3.8b,3.2s 40 1-99
IDC VIII 10 17 55 58.9–.88 2.15S 139.16E 0 3.9L,3.8b **¶621008132**
DJA VIII 10 17 56 02.4–.40 2S–5.0 139E–2.0 10 5.2b,4.6
ISC Event type se.
DJA VIII 22 13 14 05.0–1.1 3S–4.0 141E–8.0 11–3 4.8b,4.0 ¶626189086
ISC VIII 26 05 38 00.1–.47 2.37S–.05 140.02E–.04 25 4.3s,4.2b 60 0-147
IDC VIII 26 05 37 56.5–.65 2.31S 140.14E 0 4.1b,4.1 **¶621058980**
NEIC VIII 26 05 37 58.6–1.6 2.49S–.07 139.96E–.07 10–1 4.4b,4.1
DJA VIII 26 05 37 59.3–.50 2S–5.0 140E–4.0 10 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 12 54 44.7–.45 2.23S–.03 140.66E–.04 27–3 4.8b,4.0s 357 0-147
DJA VIII 26 12 54 43.6–.60 2S–3.0 141E–3.0 16–3 5.4b,5.1 **¶621008155**
IDC VIII 26 12 54 43.6–2.0 2.16S 140.69E 22–13 4.3,4.1b
GFZ VIII 26 12 54 44.9–.50 2S–3.0 141E–2.0 24–3 5.0W,4.9b
NEIC VIII 26 12 54 45.1–1.4 2.19S–.05 140.66E–.06 29–4 4.9b,4.9b
BJI VIII 26 12 54 45.0 2.20S 140.70E 30 5.1b,4.7b
GCMT VIII 26 12 54 46.8–.20 1.99S–.01 140.71E–.01 28–0 5.1W,4.7b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108261254A. Moment Tensor Solution. s65,c81; s125,c202; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.55±.12 $M_{\theta\theta}$-0.52±.09; $M_{\phi\phi}$-0.03±.10; $M_{r\theta}$-2.24±.18; $M_{\theta\phi}$4.50±.07; $M_{\phi r}$0.03±.16; Best double couple: NP1:ϕ_s178.00000°,δ63.00000°,λ177.00000°. NP2:ϕ_s270.00000°,δ87.00000°,λ27.00000°. Principal axes: T 4.8100,Plg21.0000°,Azm137.0000°; N 0.4600,Plg63.0000°,Azm276.0000°; P -5.2700,Plg16.0000°,Azm41.0000° $M_0$5.04000×10^{16}
ISC VIII 26 20 33 10.8–.81 2.86S–.05 139.09E–.07 46 3.7b 23 1-86
IDC VIII 26 20 33 04.6–.79 2.89S 139.03E 0 4.6s,3.9L **¶621059022**
DJA VIII 26 20 33 09.2–.30 3S–4.0 139E–3.0 10 3.9,3.9
ISC Event type se.
ISC IX 10 16 46 52.2–.81 2.4S–.10 140.24E–.09 10 3.8b 10 0-88
IDC IX 10 16 46 50.7–.82 2.36S 140.21E 0 3.9b,3.9 **¶621108531**
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=12.9km az=20.0.
DJA VIII 28 07 14 08.5–.30 3S–3.0 139E–3.0 10 3.9,3.9 ¶626189596
IDC VIII 27 09 10 30.5–1.9 1.93S 139.67E 0 3.2L,3.2 ¶621072135
IDC Error ellipse: s-maj=31.6km s-min=22.6km az=27.0.
ISC IX 12 10 44 11.9–.43 2.82S–.04 139.11E–.03 10 4.3b,3.5s 77 1-101
IDC IX 12 10 44 10.3–.60 2.82S 139.15E 0 4.2b,4.2 **¶621109647**
NEIC IX 12 10 44 15.6–.92 2.86S–.04 139.1E–.10 35–2 4.3b,4.2
DJA IX 12 10 44 15.9–.20 3S–4.0 139E–2.0 10 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 11 12 12 47.7–1.5 2.76S 139.29E 0 3.9L,3.5 ¶621108582
IDC Error ellipse: s-maj=32.3km s-min=17.6km az=154.0.
ISC IX 18 20 24 20.1–.56 1.65S–.05 137.01E–.03 32 4.0b 61 1-88
DJA IX 18 20 24 18.5–.70 1S–4.0 137E–2.0 11–5 4.3,4.3 **¶621113589**
NEIC IX 18 20 24 21.4–1.5 1.6S–.10 136.99E–.06 32–4 4.2b,4.3
IDC IX 18 20 24 22.5–1.9 1.53S 137.12E 46–21 3.9L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=9.1km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.2km s-min=15.0km az=22.0.
DJA IX 14 11 26 52.9–.50 2S–8.0 138E–3.0 10 3.6b,3.6 ¶626358389
ISC IX 24 02 23 25.0–.85 2.42S–.06 139.98E–.05 25 4.0b 22 0-145
DJA IX 24 02 23 24.6–.60 2S–4.0 140E–3.0 10 3.7,3.7 **¶621126401**
IDC IX 24 02 23 27.6–1.6 2.69S 140.94E 71–7 3.9,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=11.4km az=116.0.
ISC IX 21 10 33 24.5–.34 2.47S–.04 140.29E–.03 24 4.6b 158 0-148
IDC IX 21 10 33 21.7–.55 2.40S 140.28E 0 4.4,4.3b **¶621093854**
GFZ IX 21 10 33 23.5–.25 2S–3.0 140E–3.0 10 5.6,5.4
DJA IX 21 10 33 24.4–.30 2S–3.0 140E–2.0 10 5.5,5.2
NEIC IX 21 10 33 27.0–1.1 2.44S–.09 140.25E–.08 35–1 4.6b,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 10 39 43.4–.78 2.33S–.07 140.30E–.05 24 4.5s,4.0b 23 0-88
IDC IX 21 10 39 40.2–.99 2.42S 140.20E 0 4.4s,3.9 **¶621116030**
DJA IX 21 10 39 42.3–.50 2S–4.0 140E–2.0 10 4.0b,3.9
ISC Event type se.
ISC IX 21 10 55 51.7–.84 2.35S–.07 140.28E–.04 24 3.6b 24 0-88
IDC IX 21 10 55 49.0–1.2 2.46S 140.23E 0 3.7L,3.6b **¶621116031**
DJA IX 21 10 55 49.7–.50 2S–4.0 140E–3.0 10 3.8,3.8
ISC Event type se.
DJA IX 21 19 30 05.1–.60 2S–8.0 140E–5.0 22–6 6.3b,6.0 ¶626358737
ISC IX 26 19 14 27.8–.77 2.17S–.08 139.21E–.05 29 3.8b 29 1-88
IDC IX 26 19 14 23.9–.83 2.37S 139.19E 0 4.0L,3.8 **¶621131530**
DJA IX 26 19 14 27.5–.50 2S–7.0 139E–3.0 20–6 4.0b,4.0
ISC Event type se.
DJA IX 27 15 53 53.2–.80 3S–3.0 139E–2.0 15–8 5.7b,5.2 ¶626359013
DJA IX 26 17 01 33.2–.40 2S–4.0 140E–3.0 10 4.1,4.1 ¶626358968
DJA X 03 05 51 11.8–.60 3S–4.0 139E–3.0 14–8 4.0,4.0 ¶626703059
ISC IX 29 19 41 05.4–.99 2.5S–.10 140.6E–.20 24 3.6b 7 0-87
IDC IX 29 19 41 02.6–1.0 2.46S 140.40E 0 3.9L,3.6b **¶621146393**
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=14.1km az=14.0.
DJA X 10 12 25 02.1–.50 2S–3.0 140E–2.0 21–5 4.1b,4.0 ¶626703527
IDC X 03 13 33 26.9–1.6 2.95S 140.45E 0 3.2,3.1b ¶621186133
IDC Error ellipse: s-maj=62.1km s-min=17.8km az=117.0.

ISC XI 23 14 18 42.0–1.1 2.49S–.08 139.07E–.05 37 12 1-70
IDC XI 23 14 18 36.5–1.4 2.61S 139.11E 0 3.3L,3.2b **¶621611958**
DJA XI 23 14 18 40.7–.40 3S–6.0 139E–3.0 10 3.2,3.2
ISC Event type se.
DJA X 17 14 27 18.9–.40 3S–4.0 140E–3.0 74–7 3.7,3.7
¶626703951
IDC XI 13 15 23 52.1–3.4 2.01S 139.55E 0 3.5L,3.5b
¶621468607
IDC Error ellipse: s-maj=119.7km s-min=28.0km az=92.0.
DJA XI 14 16 36 45.9–.40 2S–5.0 139E–2.0 10 4.6b,3.8
¶626705367
ISC XI 17 09 13 42.2–.72 2.98S–.05 139.62E–.05 89–6 4.0b 47 0-147
IDC XI 17 09 13 40.8–2.0 3.03S 139.55E 74–19 4.2,3.8b **¶621494201**
NEIC XI 17 09 13 41.1–1.1 3.0S–.10 139.54E–.04 65–9 4.2b,3.8b
DJA XI 17 09 13 43.6–.50 3S–3.0 140E–5.0 71–8 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 20 00 19 42.5–.88 2.4S–.10 139.1E–.10 37 3.7b,2.8s 11 2-85
IDC X 20 00 19 37.5–.87 2.28S 139.12E 0 3.8b,3.7L **¶621246579**
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=14.4km az=15.0.
ISC X 23 14 07 18.3–.75 2.52S–.06 139.21E–.05 97–7 3.9b 37 1-87
IDC X 23 14 07 17.3–1.2 2.64S 139.17E 84–13 3.9,3.6b **¶621309375**
DJA X 23 14 07 18.2–.50 2S–5.0 139E–3.0 96–6 4.1,4.1
ISC Event type se.
ISC X 10 18 56 12.8–.96 2.44S–.05 140.32E–.03 23–7 3.5b 26 0-88
IDC X 10 18 56 09.6–1.2 2.45S 140.21E 0 3.6L,3.6 **¶621235401**
DJA X 10 18 56 11.8–.40 2S–3.0 140E–2.0 10 4.2b,3.9
ISC Event type se.
ISC X 20 06 10 49.0–.36 2.25S–.04 139.26E–.04 27 4.8b,3.8s 257 1-153
IDC X 20 06 10 44.5–.53 2.22S 139.33E 0 4.2L,4.2 **¶621221504**
NEIC X 20 06 10 47.0–2.2 2.31S–.07 139.29E–.06 10–1 5.0b,4.2
GFZ X 20 06 10 48.5–.21 2S–3.0 139E–3.0 28 5.2,5.2b
BJI X 20 06 10 49.4 2.65S 139.38E 50 4.9b,4.6b
DJA X 20 06 10 49.5–.60 2S–3.0 139E–2.0 24–5 5.2b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC XI 25 22 17 26.8–1.7 2.34S 139.91E 0 3.3L,3.3
¶621618729
IDC Error ellipse: s-maj=31.7km s-min=16.8km az=7.0.
IDC XII 02 20 31 24.4–1.7 2.29S 139.10E 0 3.2L,3.2
¶621629909
IDC Error ellipse: s-maj=32.0km s-min=17.5km az=3.0.
ISC XI 28 17 27 28.3–.43 2.63S–.04 140.46E–.04 21–2 4.4b 85 0-152
IDC XI 28 17 27 28.1–1.5 2.60S 140.55E 20–10 4.3L,4.2 **¶621480972**
DJA XI 28 17 27 28.6–.30 2S–3.0 141E–2.0 10 4.5b,4.4
NEIC XI 28 17 27 31.0–1.3 2.6S–.10 140.45E–.07 37–7 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 07 00 09 48.9–1.4 2.4S–.10 139.4E–.40 27 3.8b,3.1s 8 18-85
IDC XII 07 00 09 44.6–1.6 2.33S 139.50E 0 4.1L,3.8 **¶621632631**
ISC Event type se.
IDC Error ellipse: s-maj=63.6km s-min=22.6km az=100.0.
ISC XII 09 15 13 30.5–.90 2.94S–.05 140.04E–.05 83–8 27 0-42
IDC XII 09 15 13 21.8–1.4 2.74S 139.49E 0 3.8L,3.6 **¶621636578**
DJA XII 09 15 13 33.0–.30 3S–2.0 140E–2.0 52–5 4.1,4.0
ISC Event type se.
IDC XII 07 18 46 52.6–1.9 1.99S 139.50E 0 3.3L,3.3b
¶621632686
IDC Error ellipse: s-maj=31.5km s-min=24.5km az=10.0.
ISC XII 14 10 16 53.2–.90 2.4S–.10 139.2E–.10 37 4.0b 8 2-88
IDC XII 14 10 16 47.5–.93 2.44S 139.13E 0 3.9b,3.9 **¶621652913**
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=14.4km az=129.0.
IDC XII 14 22 23 20.4–5.3 2.12S 139.59E 0 3.5L,3.3
¶621652964
IDC Error ellipse: s-maj=210.0km s-min=32.1km az=87.0.
ISC XII 17 04 44 48.5–1.0 2.7S–.10 139.3E–.10 27 3.8b 6 1-80
IDC XII 17 04 44 44.5–1.1 2.61S 139.28E 0 3.9L,3.8 **¶621656912**
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=17.9km az=166.0.
IDC XII 17 02 19 27.4–1.4 2.62S 139.30E 0 3.6L,3.6
¶621656906
IDC Error ellipse: s-maj=30.2km s-min=18.3km az=160.0.

(198) Ninigo Islands region.

IDC XI 28 04 55 07.6–1.9 2.58S 143.44E 0 3.8L,3.3b
¶621625161
IDC Error ellipse: s-maj=130.0km s-min=30.2km az=119.0.

(199) Admiralty Islands region.

IDC VII 20 08 04 36.2–1.9 2.45S 145.48E 0 3.6,3.5b
¶620961581
IDC Error ellipse: s-maj=331.6km s-min=29.4km az=117.0.
IDC VII 20 15 54 44.8–2.0 2.54S 147.98E 0 3.6b,3.6
¶620961603
IDC Error ellipse: s-maj=74.8km s-min=25.8km az=107.0.
IDC VII 21 15 25 39.3–9.5 2.67S 147.24E 0 3.4,3.3b
¶620961665
IDC Error ellipse: s-maj=320.5km s-min=37.8km az=97.0.
ISC VIII 03 03 59 30.2–.61 1.50S–.09 147.9E–.10 35 4.3b 29 1-147
IDC VIII 03 03 59 23.0–1.1 1.53S 148.19E 0 3.9b,3.9 **¶620995841**
NEIC VIII 03 03 59 27.3–1.9 1.5S–.10 148.02E–.09 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 13 16 22 49.0–.33 2.99S–.04 147.54E–.05 10 4.7b,4.3s 253 1-146
BJI IX 13 16 22 43.0 3.33S 148.18E 10 5.0s,4.7b **¶621072366**
IDC IX 13 16 22 47.4–.58 3.06S 147.62E 0 4.3b,4.3
GFZ IX 13 16 22 49.0–.26 3S–3.0 148E–4.0 10 5.3b,5.0
NEIC IX 13 16 22 49.7–1.6 2.93S–.06 147.55E–.08 10–1 4.7b,5.0
GCMT IX 13 16 22 52.0–.20 3.03S–.01 147.54E–.01 18–1 5.1W,5.0
DJA IX 13 16 22 53.7–.60 3S–5.0 148E–4.0 56–5 5.4b,5.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109131622A. Moment Tensor Solution. s40,c52; s125,c197; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.26±.14 $M_{\theta\theta}$2.19±.12; $M_{\phi\phi}$-2.45±.12; $M_{r\theta}$-0.04±.26; $M_{\theta\phi}$4.36±.10; $M_{\phi r}$0.06±.27; Best double couple: NP1:ϕ_s194.00000°,δ89.00000°,λ-179.00000°. NP2:ϕ_s104.00000°,δ89.00000°,λ-1.00000°. Principal axes: T 4.8090,Plg0.0000°,Azm149.0000°; N 0.2590,Plg89.0000°,Azm241.0000°; P -5.0700,Plg1.0000°,Azm59.0000° $M_0$4.93900×10^{16}
ISC VIII 03 12 01 20.8–.25 1.48S–.04 148.14E–.04 10 5.0b,4.3s 427 1-157
BJI VIII 03 12 01 17.6 1.38S 148.39E 6 5.0b,4.9b **¶620961695**
IDC VIII 03 12 01 19.2–.45 1.55S 148.08E 0 4.7b,4.6
GFZ VIII 03 12 01 21.8 1.45S 148.22E 15 5.2W,4.6
NEIC VIII 03 12 01 21.3–1.0 1.52S–.01 148.10E–.04 10–1 5.2,5.0b
DJA VIII 03 12 01 21.4–.30 2S–4.0 148E–3.0 10 5.5b,5.3
GFZ VIII 03 12 01 21.8–.20 1S–3.0 148E–4.0 10 5.1,5.1b
GCMT VIII 03 12 01 24.9–.10 1.36S–.01 148.11E–.01 12 5.2W,5.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.10 $M_{\theta\theta}$-8.01 $M_{\phi\phi}$7.92 $M_{r\theta}$1.09 $M_{\theta\phi}$-0.85 $M_{\phi r}$0.33 NP1: ϕ_s312.18984°,δ83.22331°,λ-175.99028°. NP2:ϕ_s221.71593°,δ86.01833°,λ-6.79316°. Principal axes: T 7.9721,Plg1.9679°,Azm267.0834°; N 0.2355,Plg82.1307°,Azm11.4776°; P -8.2087,Plg7.6163°,Azm176.8202° $M_0$8.09297×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109171323A. Moment Tensor Solution. s39,c52; s122,c199; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.08 $M_{\theta\theta}$1.16±.08; $M_{\phi\phi}$-0.94±.09; $M_{r\theta}$0.33±.23; $M_{\theta\phi}$3.50±.06; $M_{\phi r}$-0.95±.22; Best double couple: NP1:ϕ_s277.00000°,δ76.00000°,λ-8.00000°. NP2:ϕ_s9.00000°,δ83.00000°,λ-166.00000°. Principal axes: T 3.7870,Plg5.0000°,Azm143.0000°; N 0.0140,Plg74.0000°,Azm36.0000°; P -3.8050,Plg15.0000°,Azm234.0000° $M_0$3.79600×10^{16}
ISC IX 14 05 07 57.2–.36 2.95S–.05 147.59E–.06 10 4.6b,4.1s 130 1-146
IDC IX 14 05 07 55.8–.57 3.07S 147.45E 0 4.2b,4.2 **¶621072702**
NEIC IX 14 05 07 57.4–1.4 2.90S–.04 147.47E–.10 10–1 4.7b,4.2
GFZ IX 14 05 07 57.0–.31 3S–4.0 148E–4.0 10 5.3b,4.7
GCMT IX 14 05 08 00.4–.20 3.02S–.01 147.45E–.01 20–1 5.0W,4.7
DJA IX 14 05 08 09.9–1.6 4S–7.0 147E–10 48–11 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109140508A. Moment Tensor Solution. s39,c45; s107,c171; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.12±.13 $M_{\theta\theta}$0.33±.12; $M_{\phi\phi}$-0.45±.12; $M_{r\theta}$-0.10±.24; $M_{\theta\phi}$4.31±.11; $M_{\phi r}$-0.12±.21; Best double couple: NP1:ϕ_s273.00000°,δ88.00000°,λ1.00000°. NP2:ϕ_s183.00000°,δ89.00000°,λ178.00000°. Principal axes: T 4.2730,Plg2.0000°,Azm138.0000°; N 0.1160,Plg88.0000°,Azm327.0000°; P -4.3890,Plg0.0000°,Azm228.0000° $M_0$4.33100×10^{16}
IDC X 11 20 57 37.6–2.5 0.70S 148.89E 0 3.5b,3.5
¶621236907
IDC Error ellipse: s-maj=413.1km s-min=30.4km az=120.0.
ISC XII 07 19 21 56.8–1.5 3.0S–.10 148.7E–.40 35 3.4b,3.4s 8 7-146
IDC XII 07 19 21 51.2–1.7 3.06S 148.77E 0 3.5b,3.5 **¶621632691**
ISC Event type se.
IDC Error ellipse: s-maj=69.8km s-min=17.1km az=100.0.

(200) Near north coast of New Guinea.

ISC VII 02 06 54 13.7–.75 4.90S–.08 145.53E–.10 150 4.1b 33 5-85
IDC VII 02 06 54 12.2–5.0 4.86S 145.67E 142–42 4.0,3.5b **¶620927731**
NEIC VII 02 06 54 16.0–.84 4.9S–.10 145.4E–.10 169–8 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 04 21 12.3–.86 4.52S–.10 144.4E–.10 100 3.7b 13 4-85
IDC VII 10 04 21 09.4–5.8 4.51S 144.53E 75–50 3.9L,3.9 **¶620928324**
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=14.7km az=86.0.
ISC VII 13 02 03 58.5–.73 3.67S–.07 142.88E–.07 22 4.1b 46 2-122
IDC VII 13 02 03 54.8–.83 3.69S 142.84E 0 3.9L,3.9b **¶620928514**
DJA VII 13 02 03 59.3–1.5 3S–7.0 143E–12 10 4.5,4.5
NEIC VII 13 02 04 01.4–2.6 3.70S–.10 142.8E–.10 35–1 4.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 26 11 28 05.7–5.4 4.62S 144.45E 360–59 3.7,3.1b
¶620973839
IDC Error ellipse: s-maj=108.6km s-min=21.8km az=106.0.
IDC VII 27 14 08 51.2–1.9 3.87S 142.57E 0 3.6L,3.5b
¶620978965
IDC Error ellipse: s-maj=87.3km s-min=29.0km az=105.0.
IDC VII 28 01 42 14.8–1.6 3.59S 143.79E 0 3.8b,3.7
¶620979590
IDC Error ellipse: s-maj=28.5km s-min=24.9km az=40.0.
ISC VIII 14 11 00 19.5–.97 3.6S–.10 144.3E–.20 26 4.1b 12 4-86
IDC VIII 14 11 00 15.2–1.0 3.57S 144.38E 0 4.0b,3.9 **¶621013481**
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=19.6km az=99.0.
ISC VIII 02 05 49 09.4–1.5 4.9S–.10 145.7E–.10 64 3.8b 9 5-85
IDC VIII 02 05 49 01.6–1.6 4.75S 145.72E 0 4.0b,3.9 **¶620993206**
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=17.9km az=54.0.
IDC VII 28 06 20 07.2–1.6 3.77S 142.16E 0 3.9L,3.9
¶620979598
IDC Error ellipse: s-maj=29.3km s-min=16.9km az=60.0.
ISC VII 29 21 06 03.2–1.2 2.76S–.08 141.79E–.10 30 3.6b 24 1-145
IDC VII 29 21 05 59.0–1.4 2.88S 141.76E 0 3.7L,3.7 **¶620984138**
DJA VII 29 21 06 11.9–1.6 3S–6.0 141E–13 10 4.5b,3.9
ISC Event type se.
ISC VIII 05 19 51 23.0–.34 3.39S–.05 145.48E–.05 10 4.7b,3.7s 248 2-118
BJI VIII 05 19 51 21.1 3.81S 145.21E 10 5.0b,4.6s **¶620970693**
IDC VIII 05 19 51 22.3–.58 3.44S 145.26E 0 4.3b,4.3
GFZ VIII 05 19 51 23.6–.17 4S–2.0 145E–3.0 10 5.0,4.8b
NEIC VIII 05 19 51 23.1–1.9 3.37S–.08 145.54E–.02 10–1 4.7b,4.8b
DJA VIII 05 19 51 24.8–.40 4S–6.0 146E–3.0 64–4 5.5b,5.0
GCMT VIII 05 19 51 27.3–.30 3.32S–.01 145.47E–.02 24–1 4.8W,5.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108051951A. Moment Tensor Solution. s18,c18; s89,c116; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.03±.12 $M_{\theta\theta}$0.32±.11; $M_{\phi\phi}$-0.34±.11; $M_{r\theta}$-0.22±.14; $M_{\theta\phi}$2.17±.08; $M_{\phi r}$0.43±.12; Best double couple: NP1:ϕ_s94.00000°,δ80.00000°,λ-6.00000°. NP2:ϕ_s185.00000°,δ84.00000°,λ-170.00000°. Principal axes: T 2.1870,Plg3.0000°,Azm319.0000°; N 0.1160,Plg78.0000°,Azm214.0000°; P -2.3020,Plg11.0000°,Azm50.0000° $M_0$2.24400×10^{16}
ISC VIII 21 00 56 49.9–.40 4.62S–.06 144.53E–.06 100 4.5b 69 4-99
IDC VIII 21 00 56 37.3–1.0 4.49S 144.78E 0 4.5L,4.2b **¶621042960**
NEIC VIII 21 00 56 50.3–1.3 4.63S–.07 144.54E–.08 97–7 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 02 12 34.0–.79 2.77S–.07 141.71E–.09 35 3.8b 36 1-145
IDC VIII 27 02 12 27.8–1.0 3.05S 141.75E 0 3.8,3.7L **¶621072118**
NEIC VIII 27 02 12 35.6–1.5 2.9S–.10 141.52E–.08 35–2 4.2b,3.7L
DJA VIII 27 02 12 35.4–1.4 3S–6.0 142E–13 56–16 4.1,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 25 08 45 09.3–.66 2.99S–.06 141.79E–.06 30 4.2b,3.4s 46 1-145
IDC VIII 25 08 45 04.7–.87 2.94S 141.88E 0 4.2L,4.0 **¶621058918**

DJA VIII 25 08 45 08.2–1.1 3S–8.0 142E–7.0 10 4.3,4.3
NEIC VIII 25 08 45 09.6–2.0 3.0S–.10 141.70E–.09 24–6 4.3b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 23 31 07.9–1.1 4.8S–.10 144.6E–.10 82 4.0b 12 5-123
IDC VIII 27 23 31 08.5–5.3 4.78S 144.55E 86–42 4.1,3.8b **¶621072189**
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=19.9km az=85.0.
ISC VIII 28 00 13 11.4–.49 2.94S–.07 141.53E–.08 35 4.6b 58 1-146
IDC VIII 28 00 13 06.3–.88 2.87S 141.62E 0 4.0L,4.0b **¶621073073**
NEIC VIII 28 00 13 11.9–1.5 2.95S–.03 141.51E–.06 35–1 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 01 17 41 28.6–3.6 4.48S 144.59E 0 3.5L,3.5
¶621080636
IDC Error ellipse: s-maj=96.9km s-min=32.3km az=101.0.
ISC VIII 31 07 07 25.4–1.2 4.6S–.20 144.4E–.20 100 3.6b 7 4-85
IDC VIII 31 07 07 23.5–7.1 4.67S 144.66E 87–60 3.7,3.6L **¶621076587**
ISC Event type se.
IDC Error ellipse: s-maj=75.0km s-min=23.4km az=92.0.
ISC IX 14 06 57 32.2–.69 3.10S–.09 142.3E–.10 30 4.2b 36 2-145
IDC IX 14 06 57 27.5–.83 3.21S 142.37E 0 4.1b,4.1 **¶621110823**
NEIC IX 14 06 57 33.5–1.5 3.03S–.08 142.2E–.10 35–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 13 02 21 46.5–1.9 2.81S 141.93E 0 3.5L,3.4
¶621109692
IDC Error ellipse: s-maj=333.0km s-min=30.5km az=112.0.
IDC X 05 15 06 55.8–1.7 2.26S 141.07E 0 3.7b,3.7
¶621203176
IDC Error ellipse: s-maj=36.5km s-min=19.8km az=139.0.
IDC IX 24 03 14 06.2–15 4.96S 145.80E 0 3.7b,3.7
¶621126405
IDC Error ellipse: s-maj=265.5km s-min=104.1km az=170.0.
ISC X 22 05 59 21.5–1.3 4.8S–.20 145.6E–.20 35 4.0b 7 5-85
IDC X 22 05 59 16.1–1.4 4.73S 145.53E 0 3.8b,3.8 **¶621309314**
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=24.8km az=95.0.
IDC X 24 00 30 30.0–1.7 3.32S 145.20E 0 3.6b,3.5
¶621366364
IDC Error ellipse: s-maj=102.2km s-min=26.9km az=112.0.
IDC X 29 18 37 35.8–2.5 2.89S 141.89E 0 3.2L,3.1
¶621391457
IDC Error ellipse: s-maj=39.3km s-min=22.1km az=50.0.
ISC XII 05 11 40 02.8–.33 2.77S–.04 141.40E–.04 10 4.9b,3.8s 249 1-159
BJI XII 05 11 39 56.1 3.38S 141.67E 6 4.7b,3.8s **¶621612715**
IDC XII 05 11 40 00.8–.42 2.84S 141.40E 0 4.9L,4.6
GFZ XII 05 11 40 02.9–.23 3S–3.0 141E–3.0 10 5.5b,5.0
NEIC XII 05 11 40 03.2–1.5 2.81S–.07 141.32E–.09 10–1 5.0b,5.0
DJA XII 05 11 40 05.9–.80 3S–4.0 141E–5.0 10 5.0b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 12 56 35.2–.50 2.85S–.05 141.45E–.06 10 4.4b 62 1-146
IDC XI 25 12 56 33.4–.63 2.83S 141.54E 0 4.4L,4.2b **¶621618702**
NEIC XI 25 12 56 35.6–1.6 2.8S–.10 141.47E–.05 11–4 4.5b,4.2b
DJA XI 25 12 56 41.1–1.8 3S–8.0 141E–15 10 4.1,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 11 10 49 54.2–.48 4.59S–.07 144.66E–.07 100 4.2b 98 4-98
IDC XI 11 10 49 55.4–2.7 4.49S 144.72E 119–24 4.1,3.7b **¶621449523**
NEIC XI 11 10 49 56.2–1.6 4.52S–.08 144.68E–.07 123–7 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 08 17 33 47.7–1.1 3.8S–.10 144.4E–.20 26 3.8b 11 4-86
IDC XI 08 17 33 43.5–1.1 3.74S 144.45E 0 3.8b,3.8 **¶621423112**
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=19.6km az=98.0.
ISC XI 28 08 49 47.9–1.1 3.7S–.10 144.3E–.20 26 3.8b,3.2s 8 4-86
IDC XI 28 08 49 43.9–1.2 3.67S 144.34E 0 3.7b,3.7 **¶621625169**
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=21.1km az=98.0.
IDC XII 22 18 08 27.7–1.6 4.76S 145.59E 0 3.6,3.5L
¶621686783
IDC Error ellipse: s-maj=33.5km s-min=25.6km az=89.0.
IDC XII 08 16 43 01.6–1.8 2.94S 141.97E 0 3.4L,3.3
¶621634721
IDC Error ellipse: s-maj=30.7km s-min=23.3km az=34.0.
IDC XII 20 08 31 00.5–1.9 4.36S 144.88E 0 3.3,3.2L
¶621685601
IDC Error ellipse: s-maj=289.5km s-min=30.4km az=118.0.
IDC XII 07 18 53 20.6–1.7 2.80S 142.00E 0 4.0s,3.4L
¶621632687
IDC Error ellipse: s-maj=28.1km s-min=23.7km az=19.0.

(201) Irian Jaya.
IDC VII 04 04 07 20.2–33 5.02S 139.11E 0 3.6b,3.6
¶620927858
IDC Error ellipse: s-maj=1065.0km s-min=83.4km az=5.0.
DJA VII 04 17 52 24.3–.20 3S–2.0 136E–2.0 63–6 4.1b,4.0
¶626066151
ISC VII 05 19 35 09.3–1.3 2.03S–.06 138.85E–.04 33–9 4.1b,3.5s 83 0-148
IDC VII 05 19 35 05.0–.59 1.94S 138.82E 0 4.3L,4.1 **¶620927985**
DJA VII 05 19 35 06.7–.40 2S–5.0 139E–3.0 10 5.1b,4.6b
NEIC VII 05 19 35 09.9–1.9 1.93S–.09 138.86E–.04 31–5 4.3b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 07 12 30 48.7–.33 3.00S–.03 139.60E–.03 120–3 5.1b 717 1-150
BJI VII 07 12 30 39.8 3.40S 140.07E 93 5.5b,5.2b **¶620758694**
IDC VII 07 12 30 47.6–.69 3.03S 139.55E 109–7 5.1,4.7b
DJA VII 07 12 30 48.2–.10 3S–2.0 140E–1.0 117–1 5.5,5.4b
GFZ VII 07 12 30 48.9 2.98S 139.57E 120 4.9W,5.4b
NEIC VII 07 12 30 48.9–1.1 2.99S–.08 139.58E–.07 117–5 5.1b,5.4b
GFZ VII 07 12 30 49.4–.44 3S–3.0 140E–4.0 118–4 5.4b,5.1
GCMT VII 07 12 30 50.1–.20 2.94S–.01 139.60E–.02 124–2 5.0W,5.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.66 $M_{\theta\theta}$-1.85 $M_{\phi\phi}$2.51 $M_{r\theta}$-1.50 $M_{\theta r}$-0.52 $M_{\phi r}$-0.89 NP1: ϕ_s133.88623°,δ55.05249°,λ-163.25570°. NP2:ϕ_s34.10800°,δ76.34059°,λ-36.12145°. Principal axes: T 2.7445,Plg13.7724°,Azm88.0866°; N 0.2764,Plg51.7135°,Azm196.1770° ; P -3.0209,Plg34.8921°,Azm348.2440° $M_0$2.89260×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107071230A. Moment Tensor Solution. s33,c41; s119,c175; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.13±.09 $M_{\theta\theta}$-1.94±.10; $M_{\phi\phi}$3.07±.10; $M_{r\theta}$-1.68±.06; $M_{\theta\phi}$-1.06±.11; $M_{\phi r}$-1.26±.07; Best double couple: NP1:ϕ_s130.00000° ,δ54.00000°,λ-160.00000°. NP2:ϕ_s28.00000°,δ74.00000°,λ-38.00000°. Principal axes: T 3.4890,Plg13.0000°,Azm83.0000°; N 0.1630,Plg49.0000°,Azm188.0000° ; P -3.6520,Plg38.0000°,Azm343.0000° $M_0$3.57000×10^{16}

ISC VII 08 03 05 26.5–.80 3.14S–.05 139.64E–.05 75–8 3.9b 53 1-146
IDC VII 08 03 05 24.5–2.3 3.21S 139.56E 55–22 4.1,3.7b **¶620928152**
NEIC VII 08 03 05 25.2–2.0 3.18S–.08 139.60E–.04 59–6 4.0b,3.7b
DJA VII 08 03 05 28.4–.60 3S–3.0 140E–4.0 54–13 4.1,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 20 59 51.5–1.3 3.46S–.03 140.04E–.04 3–10 27 1-86
IDC VII 10 20 59 49.9–1.2 3.45S 140.06E 0 3.8L,3.6 **¶620928381**
DJA VII 10 20 59 54.6–.20 3S–2.0 140E–2.0 10 4.2b,4.1
ISC Event type se.
ISC VII 12 12 51 55.6–.65 3.71S–.03 140.31E–.04 56–6 4.6b,3.5s 205 0-146
IDC VII 12 12 51 48.2–.59 3.66S 140.30E 0 4.7L,4.3 **¶620802616**
GFZ VII 12 12 51 53.4–.59 4S–4.0 140E–5.0 60–4 5.0,4.9b
NEIC VII 12 12 51 54.9–2.0 3.71S–.07 140.22E–.07 42–5 4.7b,4.9b
DJA VII 12 12 51 55.5–.40 4S–2.0 140E–3.0 20–6 5.2b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VII 14 11 20 51.0–.70 4S–6.0 138E–4.0 140–15 3.9b,3.8
¶626066628
ISC VII 17 12 50 09.8–.47 4.52S–.05 138.04E–.04 35 4.2b,3.4s 75 1-147
IDC VII 17 12 50 05.1–.64 4.45S 137.85E 0 4.6L,4.2 **¶620928770**
DJA VII 17 12 50 09.4–.70 5S–3.0 138E–2.0 15–6 5.1b,4.7b
NEIC VII 17 12 50 13.3–1.0 4.5S–.10 137.89E–.10 59–8 4.4b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 23 16 21 47.7–.55 2.49S–.05 138.59E–.04 32 3.8b 103 1-87
DJA VII 23 16 21 46.7–.20 2S–2.0 138E–2.0 10 5.2b,4.6 **¶620967925**
IDC VII 23 16 21 49.1–1.5 2.66S 138.50E 44–17 3.8,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=11.9km az=174.0.
DJA VII 23 16 47 27.4–.60 2S–4.0 139E–2.0 12–6 6.0b,5.7
¶626066979
IDC VII 26 22 04 17.4–1.5 4.60S 139.66E 0 3.5L,3.3
¶620973882
IDC Error ellipse: s-maj=54.8km s-min=17.3km az=113.0.
DJA VII 23 23 14 12.6–.90 3S–3.0 139E–2.0 17–9 6.0b,5.6
¶626066963
ISC VII 25 08 26 49.6–.75 2.40S–.04 138.91E–.03 67–7 4.2b 68 0-88
NEIC VII 25 08 26 46.3–1.3 2.5S–.10 139.22E–.05 43–9 4.3b **¶620973755**
IDC VII 25 08 26 49.7–2.5 2.50S 138.89E 58–25 4.6L,4.2
DJA VII 25 08 26 50.9–.30 2S–3.0 139E–1.0 41–8 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 13 11 59.7–.83 2.57S–.04 138.45E–.04 76–9 3.7b 59 1-79
IDC VII 30 13 11 58.2–1.4 2.85S 138.45E 64–16 3.9,3.5b **¶620986068**
DJA VII 30 13 12 00.5–.40 3S–2.0 138E–1.0 33–6 5.0b,4.8b
ISC Event type se.
ISC VIII 11 21 42 26.0–.94 4.2S–.10 139.4E–.20 150 3.4b 10 2-86
IDC VIII 11 21 42 26.8–2.3 3.80S 139.04E 126–31 3.7,3.3b **¶621009363**
ISC Event type se.
IDC Error ellipse: s-maj=49.2km s-min=17.0km az=106.0.
DJA VIII 04 00 14 25.2–.50 3S–4.0 141E–4.0 75–7 5.4b,4.9
¶626187813
ISC VIII 13 18 17 47.6–.50 3.16S–.05 139.80E–.05 54 4.0b 54 1-146
NEIC VIII 13 18 17 46.1–1.8 3.23S–.09 139.78E–.06 31–5 4.2b **¶621012195**
IDC VIII 13 18 17 47.3–1.4 3.20S 139.84E 47–16 4.2,4.1L
DJA VIII 13 18 17 47.9–1.0 3S–5.0 140E–5.0 26–14 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 04 41 22.2–.77 3.05S–.04 139.27E–.04 82–8 4.0b 45 1-87
IDC VIII 18 04 41 17.6–4.7 3.01S 139.33E 35–46 3.8L,3.6 **¶621030339**
NEIC VIII 18 04 41 20.0–1.7 3.1S–.10 139.2E–.10 50–7 4.5b,3.6
DJA VIII 18 04 41 23.8–.40 3S–2.0 139E–2.0 64–11 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VIII 24 12 28 14.7–.20 4S–2.0 139E–2.0 10 3.9,3.9
¶626189231
ISC VIII 19 00 49 37.4–.93 3.6S–.10 139.9E–.20 10 8 1-86
IDC VIII 19 00 49 37.1–1.2 3.48S 139.92E 0 4.0b,4.0 **¶621039144**
ISC Event type se.
IDC Error ellipse: s-maj=47.1km s-min=21.7km az=114.0.
ISC VIII 21 19 42 13.2–.94 3.41S–.04 139.92E–.05 65–11 21 1-86
IDC VIII 21 19 42 05.7–1.8 3.05S 139.51E 0 3.5,3.4b **¶621043016**
DJA VIII 21 19 42 12.1–.30 3S–2.0 140E–3.0 10 3.4,3.4
ISC Event type se.
IDC VIII 26 05 35 35.4–1.7 2.44S 138.32E 0 3.5b,3.5
¶621058979
IDC Error ellipse: s-maj=31.4km s-min=22.4km az=172.0.
ISC VIII 26 20 04 55.5–1.3 2.8S–.20 138.6E–.10 35 6 2-58
IDC VIII 26 20 04 50.9–1.5 2.71S 138.59E 0 3.3b,3.3 **¶621059018**
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=19.4km az=155.0.
DJA VIII 28 14 34 36.9–.30 3S–2.0 140E–2.0 10 4.0,4.0
¶626189575
IDC VIII 26 23 41 37.6–1.6 3.59S 136.93E 0 3.4,3.3b
¶621059029
IDC Error ellipse: s-maj=31.4km s-min=20.1km az=147.0.
DJA VIII 28 14 58 01.3–.90 3S–3.0 140E–5.0 21–14 5.7b,5.2
¶626189572
DJA VIII 28 16 15 03.3–.30 3S–4.0 140E–3.0 10 5.9b,5.5
¶626189569
DJA VIII 29 03 32 28.0–.30 3S–3.0 140E–2.0 10 3.7,3.7
¶626189678
DJA VIII 28 12 14 43.4–.30 4S–2.0 140E–2.0 10 3.6,3.6
¶626189592
DJA VIII 28 12 19 00.7–.20 3S–2.0 140E–2.0 10 3.9,3.9
¶626189591
ISC VIII 28 12 27 25.0–.24 3.53S–.02 140.16E–.02 27–1 5.6s,5.5b 1047 1-163
BJI VIII 28 12 27 13.7 4.23S 140.85E 10 5.5b,5.4s **¶621009805**
IDC VIII 28 12 27 21.1–.37 3.47S 140.17E 0 5.3s,5.2b
NEIC VIII 28 12 27 22.7 3.53S 140.09E 9 5.3s,5.2b
GFZ VIII 28 12 27 23.7–.16 4S–2.0 140E–2.0 10 5.6b,5.5
MOS VIII 28 12 27 23.8–.81 3.53S 140.11E 32 5.5b,5.0s
IPGP VIII 28 12 27 23.0 3.53S 140.12E 28 5.8W,5.0s
NEIC VIII 28 12 27 25.8–.94 3.54S–.08 140.10E–.06 30–1 5.6,5.6b
NEIC VIII 28 12 27 25.8 3.54S 140.10E 30 5.6,5.6b
GFZ VIII 28 12 27 25.9 3.53S 140.13E 26 5.8W,5.6b
DJA VIII 28 12 27 26.2–.20 4S–2.0 140E–1.0 53–2 6.1b,6.0
PTWC VIII 28 12 27 28 3.90S 140.20E 56 5.8,6.0
GCMT VIII 28 12 27 29.1–.10 3.42S–.01 140.26E–.01 29–0 5.8W,6.0
NEIC VIII 28 12 27 32 3.44S 140.00E 22 5.6,6.0
ISC Event type se.
IDC Error ellipse: s-maj=10.5km s-min=7.2km az=100.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=8.2km s-min=4.4km az=106.2.
IPGP Moment Tensor Solution. NP1:ϕ_s99.00000°,δ21.00000°,λ76.00000°. NP2:ϕ_s293.00000° ,δ69.00000°,λ95.00000°.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=10.7km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.56 $M_{\theta\theta}$-2.74 $M_{\phi\phi}$1.18 $M_{r\theta}$-1.81 $M_{\theta\phi}$0.70 $M_{\phi r}$0.89 NP1:ϕ_s299.44000°,δ69.02000°,λ112.75000°. NP2:ϕ_s69.93000°,δ30.56000°

,λ44.76000°. Principal axes: T 2.5217,Plg60.0000°,Azm242.0000°; N 1.0759,Plg21.0000°
,Azm111.0000°; P -3.5976,Plg21.0000°,Azm12.0000° $M_0$3.20000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}2.67 $M_{\theta\theta}$-2.27 $M_{\phi\phi}$-0.40 $M_{r\theta}$-4.14 $M_{\theta\phi}$1.51 $M_{\theta r}$2.66 NP1:
ϕ_s114.70426°,δ15.30640°,λ82.59281°. NP2:ϕ_s302.38067°,δ74.82442°,λ92.02079°.
Principal axes: T 5.4943,Plg60.1267°,Azm215.2501°; N 0.4324,Plg1.9503°,Azm121.8515°
; P -5.9266,Plg29.7964°,Azm30.7342° $M_0$5.72273×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108281227A. Moment Tensor Solution. s151,c309;
s157,c336;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}3.61±.05 $M_{\theta\theta}$-3.11±.04;
$M_{\phi\phi}$-0.49±.04; $M_{r\theta}$-4.71±.10; $M_{\theta\phi}$1.71±.03; $M_{\theta r}$2.36±.08; Best double couple: NP1:
ϕ_s116.00000°,δ18.00000°,λ89.00000°. NP2:ϕ_s297.00000°,δ72.00000°,λ90.00000°.
Principal axes: T 6.3130,Plg63.0000°,Azm207.0000°; N 0.3480,Plg0.0000°,Azm117.0000°
; P -6.6580,Plg27.0000°,Azm26.0000° $M_0$6.48600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm;
M_{rr}1.65 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$-0.29 $M_{r\theta}$-2.67 $M_{\theta\phi}$0.63 $M_{\theta r}$1.08 NP1:ϕ_s117.19000°,δ14.97000°
,λ94.70000°. NP2:ϕ_s292.33000°,δ75.08000°,λ88.75000°. Principal axes:
T 3.3186,Plg60.0000°,Azm201.0000°; N -0.0029,Plg1.0000°,Azm293.0000°
; P -3.3158,Plg30.0000°,Azm23.0000° $M_0$3.32000×10^{17}

DJA	**VIII**	**28 12 47 03.8–.30**	**3S–3.0**	**140E–3.0**	**10**	**3.6,3.6**			**¶626189588**
DJA	**VIII**	**28 17 13 25.6–.30**	**3S–3.0**	**140E–3.0**	**10**	**4.3b,3.4**			**¶626189561**
DJA	**VIII**	**28 17 51 11.8–.30**	**3S–3.0**	**140E–3.0**	**10**	**6.2b,5.8**			**¶626189558**
DJA	**VIII**	**28 18 35 38.8–.30**	**3S–3.0**	**140E–3.0**	**10**	**4.9b,4.2**			**¶626189557**
DJA	**VIII**	**28 19 14 23.8–.30**	**3S–3.0**	**140E–3.0**	**10**	**4.5b,3.7**			**¶626189556**
DJA	**VIII**	**28 19 30 48.8–.60**	**2S–7.0**	**139E–3.0**	**19–8**	**6.4b,6.2**			**¶626189552**
DJA	**VIII**	**29 08 22 10.4–.50**	**3S–6.0**	**140E–12**	**21–13**	**3.7,3.7**			**¶626189674**
ISC	**VIII**	**28 21 00 17.8–.98**	**3.48S–.03**	**140.15E–.03**	**32–7**	**4.8b,3.9s**	**275**	**1-146**	
IDC	VIII	28 21 00 12.7–.58	3.41S	140.15E	0	4.3L,4.2			**¶621009877**
GFZ	VIII	28 21 00 15.3–.25	3S–3.0	140E–5.0	10	4.9,4.8b			
NEIC	VIII	28 21 00 15.5–1.5	3.52S–.06	140.19E–.06	14–4	4.9b,4.8b			
DJA	VIII	28 21 00 18.6–.20	3S–2.0	140E–2.0	41–3	5.2b,5.2			
GCMT	VIII	28 21 00 19.6–.30	3.47S–.02	140.24E–.03	32–0	4.9W,5.2			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108282100A. Moment Tensor Solution. s37,c47; s69,c87;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.66±.16 $M_{\theta\theta}$-2.15±.10; $M_{\phi\phi}$-0.50±.11;
$M_{r\theta}$-0.15±.12; $M_{\theta\phi}$1.30±.06; $M_{\theta r}$0.33±.14; Best double couple: NP1:ϕ_s114.00000°,δ42.00000°
,λ83.00000°. NP2:ϕ_s304.00000°,δ48.00000°,λ97.00000°. Principal axes:
T 2.6930,Plg84.0000°,Azm268.0000°; N 0.1910,Plg5.0000°,Azm119.0000°
; P -2.8810,Plg3.0000°,Azm29.0000° $M_0$2.78700×10^{16}

DJA	**VIII**	**28 21 12 59.5–.30**	**3S–3.0**	**140E–3.0**	**10**	**5.0b,4.2**			**¶626189550**
ISC	**VIII**	**29 10 11 50.2–.54**	**3.46S–.05**	**140.26E–.05**	**35**	**4.3b,3.2s**	**48**	**0-88**	
IDC	VIII	29 10 11 44.3–1.4	3.44S	140.13E	0	4.3,4.2L			**¶621073167**
NEIC	VIII	29 10 11 46.6–2.2	3.47S–.09	140.35E–.07	7–5	4.3b,4.2L			
DJA	VIII	29 10 11 50.3–.50	3S–4.0	140E–8.0	32–20	4.4,4.4			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**30 00 53 28.5–.44**	**3.47S–.03**	**140.16E–.04**	**10**	**4.4b,3.3s**	**78**	**1-146**	
IDC	VIII	30 00 53 26.5–.78	3.47S	140.29E	0	4.3L,4.1b			**¶621076474**
NEIC	VIII	30 00 53 30.6–1.3	3.53S–.09	140.11E–.10	21–4	4.5b,4.1b			
DJA	VIII	30 00 53 31.7–.20	3S–2.0	140E–2.0	10	4.6b,4.6			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DJA	**VIII**	**28 21 40 27.5–.30**	**3S–3.0**	**140E–3.0**	**10**	**5.1b,4.5**			**¶626189549**
ISC	**IX**	**07 00 36 28.1–.39**	**4.18S–.05**	**139.88E–.06**	**100**	**4.5b**	**116**	**2-146**	
NEIC	IX	07 00 36 26.8–1.5	4.14S–.07	139.93E–.08	72–6	4.6b			**¶621039484**
IDC	IX	07 00 36 27.1–1.2	4.03S	139.96E	81–12	4.3,3.9b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=10.4km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.2km s-min=10.4km az=100.0.

ISC	**IX**	**01 16 53 51.0–.57**	**3.15S–.07**	**138.71E–.06**	**50**	**4.1b**	**41**	**2-147**	
NEIC	IX	01 16 53 51.5–1.8	2.93S–.04	138.73E–.06	45–7	4.1b			**¶621080635**
IDC	IX	01 16 53 52.1–1.8	3.05S	138.80E	62–18	4.0,3.8b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.4km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.2km s-min=12.6km az=120.0.

ISC	**IX**	**12 14 20 46.8–2.0**	**3.5S–.10**	**140.9E–.70**	**35**	**3.4b**	**7**	**1-86**	
IDC	IX	12 14 20 41.3–2.0	3.50S	141.06E	0	3.7b,3.7			**¶621109662**

ISC Event type se.
IDC Error ellipse: s-maj=88.9km s-min=14.2km az=79.0.

IDC	**IX**	**11 16 34 00.0–1.4**	**2.37S**	**138.86E**	**0**	**4.1L,3.7**			**¶621108592**

IDC Error ellipse: s-maj=27.6km s-min=15.8km az=176.0.

ISC	**IX**	**17 03 26 13.2–.82**	**4.44S–.05**	**138.69E–.06**	**35**	**3.7b**	**18**	**0-81**	
IDC	IX	17 03 26 09.4–1.1	4.44S	138.36E	0	4.2L,4.0			**¶621112926**
DJA	IX	17 03 26 13.4–.50	4S–4.0	139E–5.0	35–5	3.8,3.8L			

ISC Event type se.

ISC	**IX**	**18 22 22 40.7–1.4**	**2.13S–.04**	**138.41E–.03**	**15–9**	**4.2b,3.5s**	**78**	**0-88**	
IDC	IX	18 22 22 38.8–.69	2.13S	138.41E	0	3.9b,3.9			**¶621113596**
DJA	IX	18 22 22 42.2–.40	2S–3.0	138E–1.0	18–3	5.1b,4.5			
NEIC	IX	18 22 22 44.7–.72	2.2S–.10	138.30E–.06	36–8	4.3b,4.5			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**22 00 11 47.4–.88**	**3.16S–.05**	**139.95E–.07**	**131–7**	**3.6b**	**23**	**0-80**	
DJA	IX	22 00 11 47.5–.60	3S–3.0	140E–4.0	127–5	4.0,4.0			**¶621118106**
IDC	IX	22 00 11 59.0–7.3	3.60S	141.25E	292–86	3.7,3.1b			

ISC Event type se.
IDC Error ellipse: s-maj=131.7km s-min=23.0km az=98.0.

DJA	**IX**	**19 08 37 04.9–.40**	**3S–2.0**	**140E–2.0**	**80–5**	**3.8,3.8**			**¶626358669**
ISC	**IX**	**29 15 34 34.0–1.6**	**3.4S–.10**	**140.9E–.20**	**35**		**7**	**1-28**	
IDC	IX	29 15 34 30.8–1.7	3.46S	140.74E	0	3.7,3.5L			**¶621146381**

ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=13.2km az=94.0.

ISC	**IX**	**23 18 29 14.2–.57**	**3.40S–.05**	**140.20E–.05**	**35**	**4.0b**	**50**	**0-87**	
IDC	IX	23 18 29 09.8–.81	3.27S	139.97E	0	4.6L,4.1			**¶621125870**
NEIC	IX	23 18 29 14.9–1.3	3.32S–.07	140.09E–.09	33–6	4.3b,4.1			
DJA	IX	23 18 29 17.2–.40	3S–4.0	140E–3.0	30–4	4.6b,4.5			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**28 02 49 31.1–.56**	**2.18S–.06**	**138.22E–.03**	**30**	**4.3b**	**42**	**1-88**	
IDC	IX	28 02 49 27.1–1.0	2.10S	138.11E	0	3.8,3.7L			**¶621140791**
DJA	IX	28 02 49 30.2–.40	2S–10	138E–2.0	10	4.3b,4.0			
NEIC	IX	28 02 49 31.8–.93	2.04S–.04	138.22E–.07	35–1	4.5b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**12 12 29 23.0–.74**	**2.45S–.06**	**138.49E–.05**	**32**	**3.8b**	**18**	**1-87**	
IDC	X	12 12 29 18.4–.89	2.51S	138.51E	0	3.8b,3.7			**¶621236951**
DJA	X	12 12 29 23.2–.70	2S–9.0	138E–4.0	25–9	3.9b,3.5			

ISC Event type se.

ISC	**X**	**07 07 01 34.7–.62**	**3.81S–.05**	**136.60E–.04**	**150**	**4.2b**	**49**	**1-75**	
DJA	X	07 07 01 34.4–.40	4S–3.0	137E–2.0	124–5	4.3b,4.2			**¶621217195**
NEIC	X	07 07 01 35.6–.36	3.8S–.10	136.5E–.10	135–10	4.0b,4.2			
IDC	X	07 07 01 41.6–3.4	3.97S	135.90E	178–30	3.8,3.2b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=11.4km az=215.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.6km s-min=17.2km az=80.0.

IDC	**X**	**02 00 56 23.1–2.0**	**2.69S**	**138.82E**	**0**	**3.9L,3.6**			**¶621186036**

IDC Error ellipse: s-maj=39.3km s-min=19.1km az=157.0.

ISC	**X**	**04 00 51 19.7–.34**	**2.42S–.04**	**138.53E–.04**	**32**	**4.6b,3.3s**	**128**	**0-148**	
IDC	X	04 00 51 20.8–1.3	2.55S	138.45E	46–14	4.3L,4.3			**¶621117529**
NEIC	X	04 00 51 21.9–1.2	2.41S–.09	138.46E–.05	46–7	4.6b,4.3			
DJA	X	04 00 51 21.7–.60	2S–4.0	138E–2.0	16–6	5.2b,5.2b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**26 09 41 18.9–1.3**	**4.87S–.05**	**139.38E–.07**	**18–6**	**4.2b**	**45**	**0-88**	
IDC	X	26 09 41 16.7–.85	4.78S	139.40E	0	4.0L,4.0b			**¶621366469**
NEIC	X	26 09 41 17.1–1.2	4.98S–.06	139.51E–.05	10–1	4.4b,4.0b			
DJA	X	26 09 41 20.6–.40	5S–4.0	140E–5.0	10	4.3,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DJA	**X**	**21 13 39 25.6–.40**	**3S–3.0**	**140E–4.0**	**110–4**	**5.6b,5.1**			**¶626704224**
ISC	**X**	**31 09 08 52.5–1.2**	**4.5S–.10**	**137.0E–.20**	**35**		**8**	**4-85**	
IDC	X	31 09 08 48.1–1.4	4.14S	136.93E	0	3.7b,3.7			**¶621395237**

ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=21.4km az=119.0.

DJA	**X**	**30 19 29 36.8–.40**	**3S–6.0**	**139E–2.0**	**62–10**	**4.2b,3.8**			**¶626704853**
ISC	**X**	**26 23 53 57.2–1.5**	**3.20S–.09**	**140.8E–.40**	**10**	**3.7b**	**7**	**1-145**	
IDC	X	26 23 53 56.2–1.3	3.22S	140.71E	0	4.0L,3.8			**¶621366498**

ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=13.2km az=95.0.

ISC	**XI**	**01 19 05 10.4–.83**	**2.51S–.05**	**138.57E–.05**	**32**	**3.6b**	**20**	**1-79**	
IDC	XI	01 19 05 06.5–1.2	2.51S	138.27E	0	3.7,3.6L			**¶621401295**
DJA	XI	01 19 05 10.0–.30	2S–4.0	139E–3.0	10	4.1b,3.8			

ISC Event type se.

ISC	**XI**	**01 19 53 55.3–.71**	**2.7S–.10**	**138.57E–.07**	**32**	**3.6b**	**11**	**2-87**	
IDC	XI	01 19 53 50.9–.83	2.67S	138.44E	0	3.7b,3.7			**¶621401298**

ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=15.6km az=10.0.

DJA	**XI**	**11 20 49 30.5–.60**	**4S–5.0**	**139E–3.0**	**169–7**	**3.8,3.8**			**¶626705294**
ISC	**XI**	**06 23 17 36.5–.69**	**3.54S–.05**	**140.16E–.06**	**103–8**	**4.2b**	**63**	**0-86**	
NEIC	XI	06 23 17 35.2–1.3	3.7S–.10	140.1E–.10	68–15	4.4b			**¶621372231**
DJA	XI	06 23 17 35.4–.50	4S–3.0	140E–5.0	119–5	5.0b,4.7			
IDC	XI	06 23 17 35.6–1.1	3.60S	140.36E	90–13	4.2,3.7b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=12.0km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.5km s-min=16.4km az=115.0.

ISC	**XI**	**05 07 21 25.3–.89**	**3.23S–.04**	**140.16E–.05**	**40–9**	**3.9b**	**22**	**0-87**	
IDC	XI	05 07 21 19.8–1.5	3.23S	140.03E	0	4.0L,3.9b			**¶621413958**
DJA	XI	05 07 21 26.2–.30	3S–3.0	140E–2.0	25–4	3.7,3.7			

ISC Event type se.

ISC	**XI**	**08 15 54 48.1–.74**	**2.80S–.04**	**137.17E–.04**	**32**		**34**	**1-69**	
IDC	XI	08 15 54 43.6–1.2	2.83S	136.99E	0	3.7b,3.7			**¶621423107**
DJA	XI	08 15 54 50.3–.30	3S–3.0	137E–2.0	68–9	3.6b,3.5			

ISC Event type se.

ISC	**XI**	**10 21 00 30.5–.88**	**3.30S–.08**	**139.5E–.10**	**35**	**3.8b**	**9**	**1-87**	
IDC	XI	10 21 00 26.0–1.1	3.05S	139.50E	0	3.9L,3.8b			**¶621440080**

ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=16.6km az=153.0.

DJA	**XI**	**16 13 54 14.8–.60**	**2S–10**	**139E–4.0**	**23–5**	**3.8,3.8**			**¶626705560**
ISC	**XI**	**17 16 24 15.3–.80**	**3.63S–.04**	**139.73E–.04**	**62–8**	**4.0b**	**62**	**1-88**	
IDC	XI	17 16 24 08.4–1.1	3.59S	139.63E	0	4.3L,4.0			**¶621494219**
NEIC	XI	17 16 24 16.5–2.7	3.77S–.09	139.55E–.08	61–5	4.3b,4.0			
DJA	XI	17 16 24 16.2–.40	4S–2.0	140E–2.0	29–4	4.3b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**19 14 30 30.1–1.1**	**3.1S–.20**	**136.11E–.08**	**10**		**6**	**5-68**	
IDC	XI	19 14 30 29.4–1.3	3.01S	136.05E	0	3.5,3.3L			**¶621590294**

ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=19.4km az=25.0.

DJA	**XI**	**25 20 35 17.3–.30**	**4S–3.0**	**137E–2.0**	**113–5**	**4.2b,4.0**			**¶626705763**
ISC	**XI**	**21 18 22 42.5–.55**	**3.77S–.04**	**140.89E–.07**	**50**	**4.2b,3.1s**	**68**	**0-145**	
IDC	XI	21 18 22 37.4–.94	3.73S	140.37E	0	4.2L,4.0			**¶621608925**
DJA	XI	21 18 22 42.3–.40	4S–2.0	141E–4.0	48–4	4.4b,4.2			
NEIC	XI	21 18 22 44.1–2.2	3.78S–.09	140.57E–.09	49–9	4.4b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**21 09 08 46.0–.68**	**4.34S–.05**	**137.05E–.07**	**10**	**4.0b,3.8s**	**35**	**0-100**	
IDC	XI	21 09 08 43.9–.80	4.15S	136.93E	0	4.0b,4.0			**¶621608907**
DJA	XI	21 09 08 48.6–.50	4S–3.0	137E–2.0	12–4	5.6b,5.0			

ISC Event type se.

IDC	**XI**	**30 04 16 00.4–4.9**	**4.28S**	**139.50E**	**0**	**3.6L,3.4**			**¶621627014**

IDC Error ellipse: s-maj=171.7km s-min=32.6km az=91.0.

ISC	**XI**	**29 06 37 17.0–1.0**	**3.70S–.08**	**139.86E–.07**	**56**		**14**	**1-40**	
IDC	XI	29 06 37 10.3–2.2	3.78S	140.47E	0	3.8L,3.8			**¶621626955**
DJA	XI	29 06 37 15.2–.80	3S–4.0	140E–5.0	108–6	3.2,3.2			

ISC Event type se.

ISC	**XI**	**29 22 59 05.7–.52**	**3.43S–.04**	**140.06E–.05**	**100**	**4.2b**	**63**	**0-146**	
NEIC	XI	29 22 59 05.0–2.1	3.40S–.08	140.1E–.10	86–7	4.4b			**¶621626997**
IDC	XI	29 22 59 06.9–6.5	3.40S	139.96E	110–60	4.2,3.8b			
DJA	XI	29 22 59 07.1–.50	3S–4.0	140E–4.0	98–6	4.7,4.6			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 01 44 25.0–.77**	**4.41S–.08**	**137.0E–.10**	**35**	**4.0b**	**13**	**4-88**	
IDC	XII	07 01 44 20.2–.84	4.26S	137.03E	0	4.1b,3.9			**¶621632636**

ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=11.3km az=116.0.

ISC	**XII**	**14 17 49 29.5–.94**	**3.1S–.10**	**139.7E–.20**	**46**	**3.5b**	**10**	**1-87**	
IDC	XII	14 17 49 23.4–.99	2.90S	139.48E	0	3.6b,3.6			**¶621652947**

ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=16.9km az=149.0.

IDC	**XII**	**13 20 24 41.7–3.0**	**3.88S**	**136.32E**	**0**	**3.9L,3.8**			**¶621650599**

IDC Error ellipse: s-maj=86.9km s-min=32.3km az=87.0.

ISC	**XII**	**16 11 28 51.2–.67**	**4.57S–.08**	**138.6E–.10**	**150**	**3.6b**	**16**	**3-88**	
IDC	XII	16 11 28 52.7–1.6	4.41S	138.71E	161–20	4.0,3.4b			**¶621655773**

ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=13.8km az=102.0.

IDC	**XII**	**21 19 24 33.7–1.6**	**3.25S**	**138.23E**	**0**	**3.4L,3.3**			**¶621685702**

IDC Error ellipse: s-maj=35.5km s-min=24.7km az=142.0.

ISC	**XII**	**17 08 06 55.3–.91**	**2.5S–.10**	**138.73E–.10**	**50**	**4.0b**	**8**	**2-86**	

IDC XII 17 08 06 57.5–4.2 2.59S 138.87E 75–49 4.1L,4.0 ¶621656925
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=17.3km az=123.0.
ISC XII 26 18 38 47.7–.76 3.00S–.05 136.04E–.04 33 29 1-68
IDC XII 26 18 38 42.7–1.2 2.97S 136.00E 0 3.4,3.2L ¶621700240
DJA XII 26 18 38 46.7–.50 3S–3.0 136E–2.0 13–4 6.1b,5.8
ISC Event type se.
ISC XII 29 03 44 35.9–.85 2.8S–.10 138.7E–.20 35 4.1b 18 12-87
IDC XII 29 03 44 30.3–1.7 3.05S 139.35E 0 3.8L,3.7b ¶621724179
NEIC XII 29 03 44 36.6–1.8 2.7S–.10 138.6E–.10 35–2 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(202) New Guinea.

ISC VII 05 06 15 27.4–1.3 6.0S–.10 142.6E–.30 28 4.2b 7 4-87
IDC VII 05 06 15 23.1–1.4 5.87S 142.73E 0 4.0b,3.9 ¶620927930
ISC Event type se.
IDC Error ellipse: s-maj=43.2km s-min=17.3km az=77.0.
ISC VII 07 02 15 16.4–.78 6.09S–.06 142.6E–.10 28 4.1b 36 4-90
IDC VII 07 02 15 12.4–.97 5.90S 142.77E 0 4.0L,4.0b ¶620928075
NEIC VII 07 02 15 13.8–.65 6.06S–.09 142.7E–.10 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 26 19 14 53.3–.67 3.02S–.09 141.80E–.08 10 4.2b 30 1-145
IDC VII 26 19 14 51.2–.93 3.02S 141.81E 0 4.0,3.9L ¶620973873
NEIC VII 26 19 14 54.2–1.1 3.0S–.10 141.66E–.06 10–1 4.3b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 26 20 38 23.8–.59 3.03S–.07 141.75E–.08 10 4.5b 47 1-145
IDC VII 26 20 38 21.3–.75 3.02S 141.82E 0 4.4L,4.2 ¶620973878
NEIC VII 26 20 38 25.6–1.7 2.92S–.10 141.65E–.07 18–4 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 27 02 09 36.9–8.4 4.01S 142.70E 75–83 3.5L,3.3 ¶620978940
IDC Error ellipse: s-maj=84.7km s-min=25.0km az=90.0.
ISC VII 29 20 26 04.1–.72 6.40S–.07 143.28E–.09 10 4.0b 31 5-84
IDC VII 29 20 26 02.1–1.3 6.25S 143.32E 0 4.0L,4.0 ¶620984137
NEIC VII 29 20 26 04.5–1.4 6.31S–.09 143.30E–.05 10–1 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 06 13 49 54.7–1.0 4.11S–.06 142.42E–.08 122–9 4.2b 74 2-93
DJA VIII 06 13 49 49.4–1.1 4S–6.0 143E–12 111–27 4.3,4.3 ¶620998903
IDC VIII 06 13 49 51.7–3.4 4.17S 142.47E 89–27 4.2,3.8b
NEIC VIII 06 13 49 53.8–1.5 4.12S–.09 142.35E–.03 105–7 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 13 08 49.0–1.6 3.86S–.04 141.68E–.05 7–10 4.3b 107 1-144
IDC VIII 29 13 08 47.3–.95 3.81S 141.80E 0 4.2,4.1L ¶621073178
DJA VIII 29 13 08 52.7–.60 4S–2.0 142E–2.0 23–6 6.2b,5.9
NEIC VIII 29 13 08 53.3–.83 3.81S–.08 141.74E–.03 35–2 4.2b,5.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 03 09 06.1–1.7 3.39S–.05 141.50E–.07 25–11 4.4b 49 1-145
IDC VIII 14 03 09 02.1–.82 3.43S 141.46E 0 4.6s,4.3L ¶621013433
DJA VIII 14 03 09 02.0–.90 3S–4.0 142E–6.0 10 4.4,4.4
NEIC VIII 14 03 09 08.2–2.1 3.40S–.09 141.2E–.10 35–2 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 13 16 54 24.7–.59 6.41S–.09 143.4E–.10 10 4.0b 29 5-89
IDC IX 13 16 54 21.6–2.8 6.44S 143.78E 0 4.0b,4.0 ¶621109714
NEIC IX 13 16 54 25.5–1.0 6.29S–.09 143.27E–.07 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 12 33 12.1–1.6 3.28S–.04 141.81E–.07 23–11 4.4b,3.4s 106 1-145
IDC VIII 30 12 33 07.9–.73 3.35S 141.84E 0 4.0b,4.0 ¶621076517
DJA VIII 30 12 33 10.3–.60 3S–3.0 142E–4.0 10 6.4b,6.1
NEIC VIII 30 12 33 14.1–1.1 3.34S–.09 141.7E–.10 35–2 4.5b,6.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 23 08 34.5–2.8 3.36S–.06 141.87E–.07 5–16 4.2b,3.0s 49 1-144
IDC VIII 29 23 08 34.3–.90 3.44S 141.66E 0 3.9L,3.9b ¶621073209
DJA VIII 29 23 08 37.1–1.1 3S–5.0 142E–7.0 22–14 4.6,4.6
NEIC VIII 29 23 08 39.9–1.8 3.4S–.10 141.7E–.20 35–2 4.1b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 13 55 57.3–2.3 5.4S–.10 142.6E–.40 150 7 3-84
IDC IX 11 13 55 56.7–5.3 5.41S 142.62E 143–32 3.8,3.5b ¶621108587
ISC Event type se.
IDC Error ellipse: s-maj=79.4km s-min=17.3km az=91.0.
ISC IX 23 07 07 13.6–.48 5.72S–.04 142.54E–.06 10 4.4b,3.4s 65 2-148
IDC IX 23 07 07 12.3–.75 5.66S 142.45E 0 4.3b,4.3 ¶621125835
NEIC IX 23 07 07 18.3–1.0 5.76S–.09 142.11E–.09 37–8 4.4b,4.3
DJA IX 23 07 07 19.0–.90 6S–4.0 142E–6.0 10 4.9,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 13 21 48 16.9–1.9 4.40S 143.31E 0 3.4L,3.3 ¶621109725
IDC Error ellipse: s-maj=39.4km s-min=27.8km az=76.0.
ISC IX 21 03 48 43.8–.51 5.45S–.06 142.83E–.07 35 4.2b,3.1s 33 4-87
IDC IX 21 03 48 39.1–1.0 5.32S 142.91E 0 3.9b,3.9 ¶621116018
NEIC IX 21 03 48 43.9–1.7 5.36S–.08 142.81E–.08 35–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 14 03 15 19.7–.60 6.64S–.07 143.42E–.09 35 4.1b,3.4s 33 5-87
IDC IX 14 03 15 15.1–1.2 6.50S 143.36E 0 3.8,3.7b ¶621110815
NEIC IX 14 03 15 16.8–1.9 6.65S–.10 143.40E–.07 10–1 4.6b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 16 17 10 33.1–2.3 3.86S–.06 142.0E–.20 85–20 3.4b 19 2-86
IDC IX 16 17 10 21.3–2.6 3.75S 142.44E 0 3.6L,3.5b ¶621112903
DJA IX 16 17 10 35.8–.90 4S–3.0 142E–8.0 77–21 4.0,4.0
ISC Event type se.
ISC IX 23 12 20 27.6–.35 6.85S–.04 144.47E–.05 250 4.6b 258 1-150
IDC IX 23 12 20 28.7–.67 6.86S 144.48E 271–6 4.7,4.0b ¶621108650
DJA IX 23 12 20 28.9–.40 7S–4.0 144E–4.0 244–6 5.0b,4.8
GFZ IX 23 12 20 29.5–.55 7S–3.0 144E–4.0 269–5 5.1b,4.6b
NEIC IX 23 12 20 29.1–1.7 6.82S–.06 144.45E–.09 268–7 4.6b,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 19 06 39.3–.34 5.53S–.04 142.33E–.05 35 4.9b,3.6s 222 2-147
IDC X 04 19 06 33.8–.66 5.42S 142.60E 0 4.4b,4.4 ¶621118416
BJI X 04 19 06 37.5 5.39S 142.64E 44 5.1b,4.7b
NEIC X 04 19 06 40.5–2.1 5.50S–.08 142.24E–.05 49–5 4.9b,4.7b
GFZ X 04 19 06 41.8–.59 5S–4.0 142E–5.0 46–6 5.5b,5.0
DJA X 04 19 06 42.1–.30 5S–3.0 142E–2.0 127–4 5.3b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC X 10 21 11 08.8–3.8 5.12S 142.16E 0 3.4L,3.3b ¶621235405
IDC Error ellipse: s-maj=100.2km s-min=19.0km az=81.0.
IDC X 24 16 59 50.0–4.0 4.72S 143.13E 368–47 3.7,3.2b ¶621366403
IDC Error ellipse: s-maj=99.7km s-min=18.8km az=103.0.
ISC X 18 07 51 18.6–1.1 6.57S–.07 142.9E–.20 35 3.7b 11 5-85
IDC X 18 07 51 12.0–1.4 6.35S 143.20E 0 3.9b,3.9 ¶621244015
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=11.0km az=75.0.
ISC X 20 12 47 58.9–.49 4.19S–.06 143.36E–.07 132 4.2b 54 3-86
IDC X 20 12 47 59.2–.96 4.18S 143.38E 141–6 4.1,3.6b ¶621229634
NEIC X 20 12 48 00.1–1.1 4.19S–.08 143.37E–.09 140–8 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA X 24 18 31 33.7–1.0 4S–3.0 142E–14 22–20 4.7b,4.1 ¶626704469
ISC X 25 22 05 10.8–.39 3.26S–.03 141.01E–.03 30–2 5.2b,4.6s 701 0-159
IDC X 25 22 05 06.5–.43 3.25S 141.01E 0 4.7,4.6b ¶621239242
GFZ X 25 22 05 08.8–.16 3S–2.0 141E–3.0 10 5.7b,5.3
GCMT X 25 22 05 09.7–.10 3.25S–.01 141.17E–.01 12 5.3W,5.3
MOS X 25 22 05 09.9–.98 3.29S 140.98E 37 5.3b,5.3
BJI X 25 22 05 09.2 3.36S 141.22E 45 5.6b,4.9s
DJA X 25 22 05 10.3–.40 3S–3.0 141E–3.0 10 5.7b,5.4
NEIC X 25 22 05 11.8–1.8 3.22S–.06 140.94E–.06 35–4 5.4b,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110252205A. Moment Tensor Solution. s99,c140; s152,c258;Duration: 1$\hat{=}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.77±.01 $M_{\theta\theta}$-0.38±.01; $M_{\phi\phi}$-0.39±.01; $M_{r\theta}$-0.28±.03; $M_{\theta\phi}$0.41±.01; $M_{\phi r}$0.69±.03; Best double couple: NP1: ϕ_s122.00000°,δ26.00000°,λ64.00000°. NP2:ϕ_s330.00000°,δ67.00000°,λ102.00000°. Principal axes: T 1.1000,Plg66.0000°,Azm261.0000°; N -0.0330,Plg11.0000°,Azm146.0000° ; P -1.0670,Plg21.0000°,Azm51.0000° $M_0$1.08300×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 27 05 01 10.2–1.4 5.0S–.20 144.9E–.20 54 3.4b 7 5-85
IDC X 27 05 01 02.8–1.4 4.96S 144.95E 0 3.7,3.6b ¶621385449
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=21.5km az=54.0.
IDC XI 02 23 03 24.5–5.3 6.81S 145.75E 0 3.4L,3.4b ¶621401367
IDC Error ellipse: s-maj=174.6km s-min=32.5km az=103.0.
ISC X 27 00 23 47.0–1.4 5.84S–.08 142.3E–.20 35 3.8b 10 4-87
IDC X 27 00 23 41.9–1.4 5.58S 142.58E 0 3.8L,3.8b ¶621385442
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=18.0km az=85.0.
ISC X 31 12 08 12.6–1.4 6.16S–.09 142.9E–.20 35 3.7b 8 4-87
IDC X 31 12 08 08.0–1.6 6.00S 142.85E 0 3.8L,3.8b ¶621395246
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=16.4km az=89.0.
ISC XI 07 07 47 31.3–1.0 4.3S–.10 143.7E–.20 100 3.8b 9 3-86
IDC XI 07 07 47 18.0–1.0 4.25S 144.35E 0 4.2L,4.0 ¶621416027
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=20.9km az=77.0.
IDC XI 15 04 18 32.2–2.0 5.71S 144.04E 0 3.3L,3.3 ¶621475588
IDC Error ellipse: s-maj=159.4km s-min=33.7km az=118.0.
ISC XI 29 03 14 01.4–1.2 5.66S–.07 142.5E–.10 10 4.0b 17 2-87
IDC XI 29 03 14 00.8–1.4 5.57S 142.25E 0 3.9L,3.9b ¶621626949
DJA XI 29 03 14 35.9–1.0 4S–5.0 141E–10 10 3.7,3.7
ISC Event type se.
IDC XI 20 11 22 54.1–7.4 4.38S 141.85E 0 3.5L,3.5s ¶621590353
IDC Error ellipse: s-maj=293.6km s-min=32.1km az=94.0.
ISC XI 26 01 44 35.7–.87 4.2S–.10 142.3E–.30 100 3.8b 16 17-147
IDC XI 26 01 44 36.0–1.0 4.14S 142.35E 108–7 3.9,3.5b ¶621621977
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=16.9km az=99.0.
IDC XII 14 15 46 14.2–1.9 4.87S 143.62E 0 3.4b,3.3 ¶621652933
IDC Error ellipse: s-maj=46.6km s-min=27.9km az=60.0.
ISC XII 07 01 00 54.5–.67 6.71S–.06 143.65E–.10 35 4.1b,3.4s 49 5-149
IDC XII 07 01 00 49.9–.75 6.66S 143.55E 0 4.2,4.1b ¶621632634
NEIC XII 07 01 00 51.0–1.3 6.70S–.09 143.7E–.10 10–1 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 19 21 32.4–.71 3.21S–.05 141.10E–.09 23 4.1b 30 0-146
IDC XII 12 19 21 28.6–.76 3.24S 141.14E 0 4.1,3.9b ¶621650534
DJA XII 12 19 21 31.8–1.4 3S–5.0 141E–13 10 4.5,4.3
ISC Event type se.
ISC XII 24 21 34 05.0–.35 6.10S–.04 142.45E–.05 28 4.8b,4.1s 221 2-149
BJI XII 24 21 33 56.1 6.32S 143.12E 10 5.0s,5.0b ¶621653110
IDC XII 24 21 33 59.9–.68 6.01S 142.68E 0 4.6b,4.6
NEIC XII 24 21 34 02.4–2.1 6.08S–.08 142.43E–.08 10–1 5.0b,4.6
DJA XII 24 21 34 06.7–.40 6S–2.0 142E–3.0 38–4 5.5b,5.1
GFZ XII 24 21 34 08.6–.24 6S–3.0 142E–4.0 40 5.2b,5.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC XII 27 09 57 43.7–1.4 6.26S–.07 142.5E–.20 35 3.8b 10 4-88
IDC XII 27 09 57 39.0–1.4 6.02S 142.73E 0 3.8b,3.8 ¶621717305
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=17.3km az=89.0.
DJA XII 26 10 20 40.7–.60 4S–4.0 143E–5.0 108–17 4.3,4.2 ¶626707308

(203) Bismarck Sea.

IDC VII 07 04 35 08.5–21 3.59S 148.89E 0 3.7,3.6b ¶620928083
IDC Error ellipse: s-maj=338.7km s-min=108.9km az=16.0.
ISC VII 07 04 43 06.5–.80 3.3S–.10 149.2E–.20 19 4.2b,4.0s 24 2-98
IDC VII 07 04 43 03.5–2.0 3.52S 149.24E 0 3.9s,3.7b ¶620928084
NEIC VII 07 04 43 05.0–1.9 3.23S–.05 149.2E–.10 10–1 4.4b,3.7b
GCMT VII 07 04 43 08.1–.20 3.46S–.01 149.37E–.01 18–1 4.9W,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107070443A. Moment Tensor Solution. s31,c32; s112,c166; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.17±.09 $M_{\theta\theta}$1.38±.08; $M_{\phi\phi}$-1.55±.09; $M_{r\theta}$0.15±.18; $M_{\theta\phi}$2.72±.07; $M_{\phi r}$0.41±.17; Best double couple: NP1:ϕ_s104.00000°,δ82.00000° ,λ1.00000°. NP2:ϕ_s14.00000°,δ89.00000°,λ172.00000°. Principal axes: T 3.0440,Plg7.0000° ,Azm329.0000°; N 0.1560,Plg82.0000°,Azm184.0000°; P -3.1970,Plg5.0000°,Azm59.0000° $M_0$3.12100×10^{16}
ISC VII 18 09 35 26.1–.33 3.43S–.05 146.22E–.05 25 4.7b,4.2s 192 2-151
NEIC VII 18 09 35 22.0–1.6 3.19S–.07 145.89E–.09 10–1 4.9b,4.2s ¶620833287
IDC VII 18 09 35 22.4–.51 3.34S 146.07E 0 4.4,4.3b
BJI VII 18 09 35 25.0 3.60S 145.90E 10 4.8s,4.8b

GCMT VII 18 09 35 27.6–.20 3.35S–.01 146.17E–.01 18–0 5.0W,4.8b
DJA VII 18 09 35 28.4–.60 4S–4.0 146E–3.0 35–6 5.4b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107180935A. Moment Tensor Solution. s57,c75; s129,c201; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.33±.11 $M_{\theta\theta}$-0.04±.09; $M_{\phi\phi}$0.37±.10; $M_{r\theta}$-0.53±.22; $M_{\theta\phi}$4.22±.08; $M_{\phi r}$0.35±.21; Best double couple: NP1:ϕ_s179.00000°,δ83.00000°,λ-174.00000°. NP2:ϕ_s88.00000°,δ84.00000°,λ-8.00000°. Principal axes: T 4.3910,Plg1.0000°,Azm134.0000°; N -0.2280,Plg81.0000°,Azm232.0000°; P -4.1630,Plg9.0000°,Azm43.0000° $M_0$4.27700×10^{16}

IDC	**VII**	**18 14 10 06.5–2.2**	**3.83S**	**147.31E**	**0**	**3.5,3.4b**		
								¶620928820
IDC	Error ellipse: s-maj=272.5km s-min=30.1km az=121.0.							
ISC	**VII**	**19 15 22 32.1–.21**	**3.32S–.03**	**146.96E–.04**	**10**	**5.8s,5.5b**	**1108**	**1-164**
BJI	VII	19 15 22 29.6	3.24S	147.53E	20	5.8s,5.8b		**¶620833951**
MOS	VII	19 15 22 30.3–.90	3.28S	146.96E	10	5.6s,5.5b		
IDC	VII	19 15 22 30.2–.41	3.30S	146.88E	0	5.5s,4.9		
GFZ	VII	19 15 22 32.9	3.42S	146.93E	12	5.9W,4.9		
NEIC	VII	19 15 22 32.4	3.26S	146.99E	10	5.9W,4.9		
ISC-P	VII	19 15 22 32	3.25S	146.94E	35–0	6.0,4.9		
NEIC	VII	19 15 22 32.1–1.2	3.25S–.06	146.94E–.07	8–3	5.8,5.8		
GFZ	VII	19 15 22 32.0–.12	3S–2.0	147E–2.0	10	5.6,5.5b		
IPGP	VII	19 15 22 32.0	3.27S	146.99E	12	5.9W,5.5b		
NEIC	VII	19 15 22 32.4	3.27S	146.95E	9	5.9W,5.5b		
DJA	VII	19 15 22 33.0–.80	3S–2.0	147E–2.0	17–5	6.1b,5.8		
PTWC	VII	19 15 22 35	3.40S	147.00E	38	6.0,5.8		
GCMT	VII	19 15 22 36.3–.10	3.28S	146.99E	12	5.9W,5.8		
NEIC	VII	19 15 22 42	2.96S	147.29E	14	5.9,5.8		

ISC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=4.5km az=111.4.
IDC Error ellipse: s-maj=14.6km s-min=10.5km az=68.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67 $M_{\theta\theta}$3.07 $M_{\phi\phi}$-2.41 $M_{r\theta}$0.48 $M_{\theta\phi}$7.77 $M_{\phi r}$1.12 NP1: ϕ_s99.82009°,δ81.93000°,λ0.94293°. NP2:ϕ_s9.68771°,δ89.06641°,λ171.92892°. Principal axes: T 8.6833,Plg6.3607°,Azm324.4719°; N -0.7254,Plg81.8755°,Azm183.1332°; P -7.9579,Plg5.0339°,Azm55.0345° $M_0$8.34430×10^{17}
NEIC Event type se.
ISC-P Moment Tensor Solution. s41 Moment tensor: Scale 10^{18}Nm; M_{rr}0.51±.15 $M_{\theta\theta}$0.12±.16; $M_{\phi\phi}$-0.63±.14; $M_{r\theta}$-0.22±.16; $M_{\theta\phi}$0.15±.24; $M_{\phi r}$0.30±.13; NP1:ϕ_s183.10000°,δ40.00000°,λ125.00000°. NP2:ϕ_s320.70000°,δ58.20000°,λ64.30000°. $M_0$1.29000×10^{18}
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.6km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.97 $M_{\theta\theta}$1.21 $M_{\phi\phi}$-2.18 $M_{r\theta}$0.85 $M_{\theta\phi}$4.87 $M_{\phi r}$-2.02 NP1:ϕ_s9.99000°,δ84.29000°,λ-162.33000°. NP2:ϕ_s278.18000°,δ72.42000°,λ-5.99000°. Principal axes: T 4.7394,Plg8.0000°,Azm143.0000°; N 1.5389,Plg71.0000°,Azm27.0000°; P -6.2783,Plg16.0000°,Azm235.0000° $M_0$5.67000×10^{17}
GFZ Error ellipse: s-maj=4.5km s-min=4.1km az=25.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s277.00000°,δ75.00000°,λ-4.00000°. NP2:ϕ_s8.00000°,δ86.00000°,λ-165.00000°.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107191522A. Moment Tensor Solution. s158,c338; s174,c594;Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54±.04 $M_{\theta\theta}$2.43±.04; $M_{\phi\phi}$-1.90±.05; $M_{r\theta}$0.09±.11; $M_{\theta\phi}$8.45±.04; $M_{\phi r}$-1.28±.12; Best double couple: NP1:ϕ_s277.00000°,δ82.00000°,λ-2.00000°. NP2:ϕ_s7.00000°,δ88.00000°,λ-172.00000°. Principal axes: T 9.0410,Plg4.0000°,Azm142.0000°; N -0.4510,Plg81.0000°,Azm23.0000°; P -8.6000,Plg8.0000°,Azm232.0000° $M_0$8.82100×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.92 $M_{\theta\theta}$3.11 $M_{\phi\phi}$-2.19 $M_{r\theta}$2.10 $M_{\theta\phi}$7.79 $M_{\phi r}$-3.10 NP1:ϕ_s276.85000°,δ72.99000°,λ-16.87000°. NP2:ϕ_s11.92000°,δ73.88000°,λ-162.27000°. Principal axes: T 8.6888,Plg1.0000°,Azm144.0000°; N 0.7315,Plg66.0000°,Azm53.0000°; P -9.4204,Plg24.0000°,Azm235.0000° $M_0$9.08000×10^{17}

ISC	**VII**	**19 19 42 35.7–.34**	**3.34S–.04**	**146.71E–.05**	**20**	**4.8b,4.7s**	**286**	**1-123**
BJI	VII	19 19 42 28.1	3.77S	147.20E	10	5.2b,5.0s		**¶620834053**
IDC	VII	19 19 42 32.0–.68	3.29S	146.64E	0	4.6s,4.3b		
DJA	VII	19 19 42 34.5–1.9	3S–6.0	147E–3.0	10–16	5.5b,5.2		
NEIC	VII	19 19 42 34.1–2.4	3.17S–.06	146.68E–.07	10–1	5.0b,5.2		
GFZ	VII	19 19 42 36.9–.27	3S–4.0	147E–5.0	10	4.8,4.7b		
GCMT	VII	19 19 42 38.7–.10	3.33S–.01	146.52E–.01	13–0	5.2W,4.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107191942A. Moment Tensor Solution. s114,c171; s154,c288;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.47±.11 $M_{\theta\theta}$-3.01±.11; $M_{\phi\phi}$1.54±.12; $M_{r\theta}$-0.66±.24; $M_{\theta\phi}$9.10±.11; $M_{\phi r}$-0.29±.24; Best double couple: NP1: ϕ_s173.00000°,δ85.00000°,λ178.00000°. NP2:ϕ_s263.00000°,δ88.00000°,λ5.00000°. Principal axes: T 8.7000,Plg5.0000°,Azm128.0000°; N 1.4250,Plg85.0000°,Azm289.0000°; P -10.1250,Plg2.0000°,Azm38.0000° $M_0$9.41300×10^{16}

ISC	**VII**	**19 20 00 41.4–.51**	**3.50S–.06**	**146.66E–.07**	**20**	**4.5b,4.2s**	**121**	**2-94**
IDC	VII	19 20 00 37.0–.85	3.45S	146.63E	0	4.2s,4.0b		**¶620928892**
NEIC	VII	19 20 00 39.0–1.6	3.43S–.06	146.67E–.05	10–1	4.6b,4.0b		
GCMT	VII	19 20 00 43.1–.20	3.33S–.01	146.48E–.01	12	5.0W,4.0b		
DJA	VII	19 20 00 44.2–3.0	4S–10	147E–10	13–19	5.7b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107192000A. Moment Tensor Solution. s26,c31; s123,c204; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.55±.09 $M_{\theta\theta}$-1.45±.07; $M_{\phi\phi}$0.90±.08; $M_{r\theta}$-0.41±.23; $M_{\theta\phi}$3.18±.05; $M_{\phi r}$-0.17±.21; Best double couple: NP1:ϕ_s170.00000°,δ82.00000°,λ177.00000°. NP2:ϕ_s260.00000°,δ87.00000°,λ8.00000°. Principal axes: T 3.1720,Plg8.0000°,Azm125.0000°; N 0.5060,Plg81.0000°,Azm283.0000°; P -3.6760,Plg3.0000°,Azm35.0000° $M_0$3.42400×10^{16}

ISC	**VII**	**19 20 24 24.7–.49**	**3.24S–.06**	**146.55E–.07**	**10**	**4.4b**	**78**	**1-95**
IDC	VII	19 20 24 23.3–.78	3.26S	146.34E	0	3.9b,3.9		**¶620928895**
NEIC	VII	19 20 24 24.7–2.5	3.16S–.08	146.50E–.07	10–1	4.7b,3.9		
DJA	VII	19 20 24 27.4–.90	3S–5.0	147E–3.0	34–13	5.3b,4.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**19 20 30 41.7–.23**	**3.38S–.03**	**146.65E–.04**	**10**	**5.7s,5.3b**	**709**	**2-158**
BJI	VII	19 20 30 36.2	3.63S	147.10E	10	5.7s,5.6b		**¶620834056**
IDC	VII	19 20 30 39.5–.52	3.36S	146.53E	0	5.5s,4.6b		
MOS	VII	19 20 30 40.4–1.1	3.31S	146.35E	11	5.3s,5.2b		
GFZ	VII	19 20 30 41.7	3.27S	146.42E	12	5.8W,5.2b		
GFZ	VII	19 20 30 41.7–.16	3S–3.0	146E–2.0	10	5.4,5.2b		
ISC-P	VII	19 20 30 41	3.27S	146.61E	40–0	6.2,5.2b		
NEIC	VII	19 20 30 41.2–2.1	3.27S–.07	146.61E–.07	10–1	5.8,5.8		
NEIC	VII	19 20 30 41.2	3.27S	146.62E	10	5.8,5.8		
DJA	VII	19 20 30 46.5–.50	3S–3.0	147E–2.0	34–5	5.8b,5.7		
GCMT	VII	19 20 30 48.5–.10	3.32S	146.57E	13–0	5.9W,5.7		

ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=11.0km az=91.0.
MOS Error ellipse: s-maj=9.6km s-min=5.2km az=105.7.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.31 $M_{\theta\theta}$-2.67 $M_{\phi\phi}$3.98 $M_{r\theta}$0.65 $M_{\theta\phi}$5.50 $M_{\phi r}$2.38 NP1: ϕ_s344.23113°,δ85.46985°,λ163.41112°. NP2:ϕ_s75.57902°,δ73.46444°,λ4.72602°. Principal axes: T 7.7195,Plg14.8980°,Azm298.7584°; N -1.8533,Plg72.8205°,Azm149.3818°; P -5.8663,Plg8.3604°,Azm30.9991° $M_0$6.97992×10^{17}
GFZ Error ellipse: s-maj=5.9km s-min=5.1km az=4.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC-P Moment Tensor Solution. s40 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04±.14 $M_{\theta\theta}$-0.81±.28; $M_{\phi\phi}$0.30±.19; $M_{r\theta}$0.15±.25; $M_{\theta\phi}$0.28±.13; $M_{\phi r}$0.16±.17; NP1:ϕ_s56.80000°,δ75.90000°,λ28.30000°. NP2:ϕ_s319.30000°,δ62.60000°,λ164.10000°. $M_0$2.16000×10^{18}
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=10.3km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.10 $M_{\theta\theta}$-3.88 $M_{\phi\phi}$3.78 $M_{r\theta}$0.77 $M_{\theta\phi}$5.66 $M_{\phi r}$-0.17 NP1:ϕ_s252.79000°,δ86.98000°,λ-5.63000°. NP2:ϕ_s343.09000°,δ84.37000°,λ-176.96000°. Principal axes: T 6.7899,Plg2.0000°,Azm298.0000°; N 0.1756,Plg84.0000°,Azm45.0000°; P -6.9655,Plg6.0000°,Azm208.0000° $M_0$6.88000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107192030A. Moment Tensor Solution. s161,c336; s173,c626;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.04 $M_{\theta\theta}$-4.50±.04; $M_{\phi\phi}$3.47±.05; $M_{r\theta}$-0.01±.10; $M_{\theta\phi}$7.43±.05; $M_{\phi r}$-0.10±.11; Best double couple: NP1:ϕ_s256.00000°,δ89.00000°,λ0.00000°. NP2:ϕ_s166.00000°,δ90.00000°,λ179.00000°. Principal axes: T 7.9180,Plg1.0000°,Azm121.0000°; N 1.0390,Plg89.0000°,Azm319.0000°; P -8.9460,Plg0.0000°,Azm211.0000° $M_0$8.43200×10^{17}

IDC	**VII**	**19 20 40 33.3–2.1**	**3.37S**	**146.64E**	**0**	**3.8b,3.8**		
								¶620928897
IDC	Error ellipse: s-maj=84.6km s-min=26.1km az=108.0.							
ISC	**VII**	**19 20 52 48.4–.60**	**3.35S–.07**	**146.66E–.08**	**20**	**4.1b**	**35**	**1-84**
NEIC	VII	19 20 52 46.4–1.6	3.31S–.07	146.74E–.10	10–2	4.5b		**¶620928898**
IDC	VII	19 20 52 46.3–1.1	3.34S	146.54E	0	4.0,3.9b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=10.8km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.1km s-min=17.4km az=107.0.

ISC	**VII**	**19 20 57 04.4–.49**	**3.43S–.06**	**146.75E–.06**	**10**	**4.6b,4.3s**	**174**	**2-97**
IDC	VII	19 20 57 02.8–.77	3.40S	146.61E	0	4.4s,4.3b		**¶620928899**
DJA	VII	19 20 57 03.5–.30	4S–3.0	147E–3.0	10	6.0b,5.6		
NEIC	VII	19 20 57 05.2–2.3	3.47S–.06	146.68E–.09	10–1	4.7b,5.6		
GCMT	VII	19 20 57 08.6–.30	3.34S–.01	146.50E–.02	12	4.9W,5.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107192057A. Moment Tensor Solution. s8,c9; s94,c133; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.77±.12 $M_{\theta\theta}$-0.59±.12; $M_{\phi\phi}$-0.18±.12; $M_{r\theta}$0.15±.38; $M_{\theta\phi}$3.06±.07; $M_{\phi r}$-0.59±.30; Best double couple: NP1:ϕ_s268.00000°,δ78.00000°,λ2.00000°. NP2:ϕ_s178.00000°,δ88.00000°,λ168.00000°. Principal axes: T 2.7360,Plg10.0000°,Azm132.0000°; N 0.7780,Plg78.0000°,Azm348.0000°; P -3.5160,Plg7.0000°,Azm224.0000° $M_0$3.12600×10^{16}

IDC	**VII**	**19 22 53 57.4–5.2**	**3.84S**	**147.09E**	**0**	**3.6,3.5b**		
								¶620928905
IDC	Error ellipse: s-maj=162.8km s-min=35.5km az=99.0.							
ISC	**VII**	**20 07 38 56.6–1.0**	**3.3S–.10**	**146.7E–.30**	**20**	**3.9b,3.0s**	**11**	**17-97**
IDC	VII	20 07 38 53.5–1.2	3.24S	146.67E	0	4.0L,3.9b		**¶620961579**

ISC Event type se.
IDC Error ellipse: s-maj=44.5km s-min=19.4km az=102.0.

IDC	**VII**	**20 08 14 34.2–1.4**	**3.33S**	**146.97E**	**0**	**4.0,3.9L**		
								¶620961584
IDC	Error ellipse: s-maj=54.2km s-min=24.5km az=125.0.							
IDC	**VII**	**21 01 01 44.0–3.4**	**3.63S**	**147.40E**	**0**	**3.7b,3.7**		
								¶620961618
IDC	Error ellipse: s-maj=111.8km s-min=32.3km az=93.0.							
ISC	**VII**	**21 01 21 14.3–.51**	**3.32S–.05**	**147.00E–.06**	**25**	**4.5b,3.9s**	**82**	**1-119**
DJA	VII	21 01 21 11.6–.40	3S–4.0	147E–4.0	10	5.9b,5.5		**¶620961619**
IDC	VII	21 01 21 11.2–.98	3.41S	146.82E	0	4.0b,4.0		
NEIC	VII	21 01 21 13.2–1.5	3.19S–.06	146.9E–.10	10–1	4.7b,4.0		
GCMT	VII	21 01 21 15.3–.30	3.31S–.02	146.87E–.02	22–1	4.8W,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107210121A. Moment Tensor Solution. s13,c14; s75,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.15±.13 $M_{\theta\theta}$-0.39±.12; $M_{\phi\phi}$0.24±.11; $M_{r\theta}$-0.64±.19; $M_{\theta\phi}$1.95±.08; $M_{\phi r}$-0.28±.15; Best double couple: NP1:ϕ_s174.00000°,δ72.00000°,λ173.00000°. NP2:ϕ_s267.00000°,δ83.00000°,λ19.00000°. Principal axes: T 2.1030,Plg18.0000°,Azm132.0000°; N -0.0090,Plg70.0000°,Azm286.0000°; P -2.0940,Plg8.0000°,Azm39.0000° $M_0$2.09800×10^{16}

ISC	**VII**	**21 14 26 01.4–.19**	**3.39S–.03**	**146.79E–.03**	**10**	**5.9s,5.5b**	**1029**	**1-161**
BJI	VII	21 14 25 54.5	3.82S	147.27E	10	5.9s,5.8b		**¶620842803**
NEIC	VII	21 14 25 59.9	3.23S	146.80E	6	5.9s,5.8b		
IDC	VII	21 14 25 59.5–.41	3.34S	146.59E	0	5.7s,5.0b		
MOS	VII	21 14 25 59.5–1.3	3.42S	146.64E	10	5.9s,5.7b		
NEIC	VII	21 14 26 00.3–1.5	3.23S–.04	146.80E–.07	8–1	6.0,6.0		
ISC-P	VII	21 14 26 00	3.23S	146.80E	24–0	6.0,6.0		
GFZ	VII	21 14 26 01.5	3.41S	146.70E	15	6.1W,6.0		
IPGP	VII	21 14 26 01.0	3.40S	146.83E	12	6.1W,6.0		
DJA	VII	21 14 26 03.1–.20	4S–3.0	147E–2.0	10	6.1b,5.8		
GFZ	VII	21 14 26 03.7–.17	3S–3.0	147E–3.0	10	5.6b,5.6		
PTWC	VII	21 14 26 03	3.50S	146.60E	10	6.1,5.6		
GCMT	VII	21 14 26 07.5–.00	3.30S	146.82E	12	6.1W,5.6		

ISC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=11.9km s-min=8.5km az=101.0.
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=110.6.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.5km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$0.26 $M_{r\theta}$0.23 $M_{\theta\phi}$1.14 $M_{\phi r}$-0.23 NP1:ϕ_s355.03000°,δ80.59000°,λ-167.96000°. NP2:ϕ_s263.03000°,δ78.12000°,λ-9.62000°. Principal axes: T 1.1868,Plg2.0000°,Azm129.0000°; N 0.0486,Plg75.0000°,Azm33.0000°; P -1.2354,Plg15.0000°,Azm219.0000° $M_0$1.21000×10^{18}
ISC-P Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}0.13±.17 $M_{\theta\theta}$-0.69±.27; $M_{\phi\phi}$0.24±.22; $M_{r\theta}$0.22±.22; $M_{\theta\phi}$0.19±.13; $M_{\phi r}$0.37±.17; NP1:ϕ_s69.50000°,δ74.40000°,λ30.90000°. NP2:ϕ_s330.40000°,δ60.30000°,λ162.00000°. $M_0$1.33000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.48 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$0.53 $M_{r\theta}$0.18 $M_{\theta\phi}$1.47 $M_{\phi r}$0.46 NP1: ϕ_s175.22336°,δ89.67002°,λ-163.23908°. NP2:ϕ_s85.12398°,δ73.23937°,λ-0.34462°. Principal axes: T 1.8345,Plg11.5275°,Azm308.9331°; N -0.5440,Plg73.2359°,Azm176.3189°; P -1.2905,Plg12.0042°,Azm41.4186° $M_0$1.63201×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s263.00000°,δ72.00000°,λ-3.00000°. NP2:ϕ_s354.00000°,δ87.00000°,λ-162.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107211426A. Moment Tensor Solution. s160,c362; s175,c693;Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}0.03±.01 $M_{\theta\theta}$-0.53±.01; $M_{\phi\phi}$0.49±.01; $M_{r\theta}$0.04±.02; $M_{\theta\phi}$1.74±.01; $M_{\phi r}$-0.27±.02; Best double couple: NP1:ϕ_s262.00000°,δ81.00000°,λ0.00000°. NP2:ϕ_s172.00000°,δ90.00000°,λ171.00000°. Principal axes: T 1.8190,Plg6.0000°,Azm126.0000°; N 0.0320,Plg81.0000°,Azm350.0000°; P -1.8510,Plg6.0000°,Azm217.0000° $M_0$1.83500×10^{18}

ISC	**VII**	**21 14 50 03.3–1.9**	**3.4S–.30**	**146.7E–.50**	**10**	**3.6b**	**5**	**20-84**
IDC	VII	21 14 50 01.5–2.1	3.37S	146.78E	0	3.7b,3.7		**¶620961661**

ISC Event type se.
IDC Error ellipse: s-maj=80.7km s-min=25.3km az=107.0.

ISC	**VII**	**21 23 07 49.3–.49**	**3.41S–.06**	**146.93E–.08**	**25**	**4.5b**	**71**	**1-91**
IDC	VII	21 23 07 46.2–.87	3.59S	147.02E	0	4.8s,4.2b		**¶620844218**
NEIC	VII	21 23 07 46.5–2.0	3.32S–.06	146.97E–.08	10–1	4.8b,4.2b		
BJI	VII	21 23 07 47.2	3.11S	146.82E	9	4.5b,4.2b		

ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=15.0km az=90.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.2km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**IX**	**03 08 00 15.6–9.8**	**4.88S**	**148.51E**	**0**	**4.0,3.9b**		
								¶621081554
IDC	Error ellipse: s-maj=148.9km s-min=90.7km az=10.0.							
IDC	**VIII**	**08 20 46 14.3–2.0**	**3.48S**	**149.77E**	**0**	**3.6b,3.6**		

¶621002145

IDC Error ellipse: s-maj=174.2km s-min=29.5km az=123.0.
IDC VIII 29 15 22 24.6–5.0 4.90S 149.49E 0 3.2,3.1b

¶621073187

IDC Error ellipse: s-maj=152.0km s-min=37.1km az=104.0.
IDC VIII 09 06 51 29.1–6.6 4.95S 148.01E 0 4.1L,3.8

¶621007235

IDC Error ellipse: s-maj=172.1km s-min=54.6km az=158.0.
ISC VIII 27 18 45 44.5–.69 3.10S–.08 148.57E–.08 18 4.0b,3.5s 25 2-96
IDC VIII 27 18 45 42.6–1.6 3.16S 148.64E 0 3.9b,3.9 **¶621072168**
NEIC VIII 27 18 45 42.4–.76 3.01S–.08 148.59E–.08 10–1 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 23 20 56.1–.49 3.17S–.08 148.24E–.07 22 4.4b,4.1s 80 1-147
IDC VIII 31 23 20 53.2–1.1 3.10S 148.17E 0 4.3s,4.1b **¶621076660**
NEIC VIII 31 23 20 55.8–2.3 2.83S–.06 147.62E–.10 10–1 4.5b,4.1b
GCMT VIII 31 23 20 57.5–.20 3.02S–.01 148.06E–.01 13–1 5.1W,4.1b
DJA VIII 31 23 21 00.6–1.4 4S–10 148E–14 10 5.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108312321A. Moment Tensor Solution. s63,c85; s133,c230; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.67±.10 $M_{\theta\theta}$0.83±.09; $M_{\phi\phi}$-1.49±.10; $M_{r\theta}$-2.25±.33; $M_{\theta\phi}$4.49±.10; $M_{\phi r}$1.49±.26; Best double couple: NP1:ϕ_s190.00000°,δ64.00000° ,λ-175.00000°. NP2:ϕ_s97.00000°,δ86.00000°,λ-26.00000°. Principal axes:
T 4.5410,Plg15.0000°,Azm146.0000°; N 1.4260,Plg63.0000°,Azm269.0000°
; P -5.9650,Plg21.0000°,Azm50.0000° M_o5.25300×10^{16}
ISC VIII 31 23 23 01.3–1.6 3.1S–.20 147.9E–.20 22 3.9b 8 7-145
IDC VIII 31 23 22 58.1–1.6 3.11S 147.90E 0 4.0,3.9b **¶621076661**
ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=23.7km az=115.0.
IDC IX 01 10 03 13.9–2.4 4.55S 147.25E 0 3.7L,3.5s

¶621080613

IDC Error ellipse: s-maj=275.1km s-min=31.6km az=121.0.
ISC IX 13 17 18 28.4–.52 3.02S–.07 147.44E–.09 10 4.3b,4.0s 44 1-97
IDC IX 13 17 18 27.0–.68 3.07S 147.46E 0 4.1b,4.1 **¶621109715**
NEIC IX 13 17 18 28.6–2.2 2.94S–.06 147.5E–.10 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 14 05 46 40.1–1.9 3.1S–.10 147.6E–.30 32 3.2b 7 16-76
IDC IX 14 05 46 34.7–2.6 3.10S 147.69E 0 4.2L,3.6 **¶621110818**
ISC Event type se.
IDC Error ellipse: s-maj=64.7km s-min=25.9km az=94.0.
IDC X 01 06 38 12.9–1.9 3.57S 149.72E 0 4.0s,3.9b

¶621147815

IDC Error ellipse: s-maj=61.6km s-min=27.9km az=114.0.
ISC IX 17 13 25 17.9–1.1 3.0S–.20 147.5E–.40 32 3.7b 7 21-145
IDC IX 17 13 25 12.8–1.2 3.03S 147.53E 0 3.8b,3.8 **¶621112965**
ISC Event type se.
IDC Error ellipse: s-maj=65.3km s-min=22.7km az=108.0.
ISC IX 14 03 53 50.6–.47 3.02S–.06 147.57E–.08 10 4.4b,4.2s 85 1-146
IDC IX 14 03 53 48.4–.69 3.02S 147.59E 0 4.2s,4.1b **¶621110816**
NEIC IX 14 03 53 51.1–1.6 3.09S–.08 147.5E–.10 10–1 4.6b,4.1b
GCMT IX 14 03 53 54.5–.20 3.01S–.01 147.47E–.01 13–1 5.0W,4.1b
DJA IX 14 03 54 03.2–2.1 4S–9.0 147E–15 48–14 5.5b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109140354A. Moment Tensor Solution. s46,c51; s122,c183; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.59±.11 $M_{\theta\theta}$0.36±.11; $M_{\phi\phi}$-0.94±.11; $M_{r\theta}$0.64±.27; $M_{\theta\phi}$4.14±.10; $M_{\phi r}$0.27±.22; Best double couple: NP1:ϕ_s4.00000°,δ81.00000° ,λ174.00000°. NP2:ϕ_s95.00000°,δ84.00000°,λ9.00000°. Principal axes:
T 4.0240,Plg11.0000°,Azm320.0000°; N 0.4680,Plg79.0000°,Azm127.0000°
; P -4.4930,Plg2.0000°,Azm229.0000° M_o4.25900×10^{16}
IDC IX 22 16 29 50.0–2.5 4.91S 148.53E 0 3.3,3.2b

¶621118163

IDC Error ellipse: s-maj=270.4km s-min=31.4km az=123.0.
ISC X 01 06 46 48.7–1.3 3.9S–.20 149.9E–.40 10 3.9b 6 9-87
IDC X 01 06 46 47.1–1.4 3.93S 149.90E 0 3.9,3.8b **¶621147816**
GCMT X 01 06 46 55.9–.40 3.55S–.02 149.62E–.03 34–1 4.9W,3.8b
GCMT X 01 06 46 56.0 3.50S 149.50E 10 4.9s,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=60.8km s-min=24.4km az=110.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110010646A. Moment Tensor Solution. s12,c14; s70,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.34±.31 $M_{\theta\theta}$1.51±.21; $M_{\phi\phi}$-1.17±.21; $M_{r\theta}$-0.37±.18; $M_{\theta\phi}$2.97±.15; $M_{\phi r}$0.05±.17; Best double couple: NP1:ϕ_s192.00000°,δ83.00000°,λ-180.00000°. NP2:ϕ_s102.00000°,δ90.00000°,λ-7.00000°. Principal axes: T 3.4500,Plg4.0000°,Azm147.0000°; N -0.3380,Plg83.0000°,Azm278.0000°
; P -3.1100,Plg5.0000°,Azm57.0000° M_o3.28000×10^{16}
ISC X 01 07 25 58.5–.58 3.73S–.08 149.75E–.08 10 4.3s,4.1b 34 2-99
IDC X 01 07 25 55.2–1.4 3.82S 149.89E 0 4.3s,3.9b **¶621147819**
NEIC X 01 07 25 58.9–1.9 3.75S–.09 149.83E–.05 10–1 4.3b,3.9b
GCMT X 01 07 26 02.9–.10 3.48S–.01 149.46E–.01 14–0 5.2W,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110010726A. Moment Tensor Solution. s83,c118; s148,c250;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.81±.13 $M_{\theta\theta}$2.39±.14; $M_{\phi\phi}$-3.20±.14; $M_{r\theta}$0.47±.27; $M_{\theta\phi}$7.65±.13; $M_{\phi r}$0.66±.26; Best double couple: NP1: ϕ_s100.00000°,δ84.00000°,λ3.00000°. NP2:ϕ_s10.00000°,δ87.00000°,λ174.00000°. Principal axes: T 7.8230,Plg6.0000°,Azm325.0000°; N 0.7310,Plg84.0000°,Azm160.0000°
; P -8.5580,Plg2.0000°,Azm55.0000° M_o8.19000×10^{16}
IDC X 04 03 54 32.0–2.1 4.75S 147.25E 0 4.6L,4.1

¶621203093

IDC Error ellipse: s-maj=239.9km s-min=28.8km az=121.0.
IDC X 10 03 46 33.8–8.7 3.70S 147.44E 0 3.6,3.5b

¶621235367

IDC Error ellipse: s-maj=229.3km s-min=58.0km az=154.0.
IDC X 09 02 49 19.4–2.1 4.99S 147.48E 0 4.0L,3.6

¶621235300

IDC Error ellipse: s-maj=150.9km s-min=31.5km az=122.0.
IDC X 05 07 28 37.2–8.9 4.87S 147.64E 0 3.5L,3.4b

¶621203162

IDC Error ellipse: s-maj=286.3km s-min=36.5km az=102.0.
IDC XI 19 22 48 48.1–2.0 4.94S 149.68E 0 3.5,3.4b

¶621590325

IDC Error ellipse: s-maj=159.1km s-min=29.4km az=124.0.
IDC XI 18 12 37 37.6–15 4.84S 147.20E 0 3.4b,3.3

¶621532478

IDC Error ellipse: s-maj=236.6km s-min=96.6km az=11.0.
IDC XI 15 01 10 49.2–4.5 4.90S 147.99E 0 4.1L,3.8b

¶621475575

IDC Error ellipse: s-maj=130.2km s-min=51.0km az=111.0.
IDC XI 20 10 32 51.7–2.1 3.77S 148.85E 0 3.7,3.6b

¶621590351

IDC Error ellipse: s-maj=172.6km s-min=31.6km az=122.0.
IDC XII 13 19 39 53.2–1.9 4.31S 149.96E 0 3.7b,3.6

¶621650598

IDC Error ellipse: s-maj=135.0km s-min=21.0km az=118.0.
ISC XII 10 03 55 54.0–3.6 3.9S–.20 149.1E–.70 35 4.0b,3.6s 9 8-147
IDC XII 10 03 55 49.3–3.2 3.85S 148.99E 0 4.0b,4.0 **¶621644102**
ISC Event type se.
IDC Error ellipse: s-maj=94.3km s-min=22.9km az=104.0.
ISC XII 09 20 26 28.6–.49 3.23S–.06 148.66E–.08 18 4.5b,3.6s 51 4-146
IDC XII 09 20 26 25.8–.83 3.24S 148.70E 0 4.5b,4.4 **¶621626200**
BJI XII 09 20 26 28.7 2.71S 148.37E 10 5.1b,4.5b
DJA XII 09 20 26 30.1–1.1 3S–6.0 149E–4.0 32–10 6.2b,5.9
ISC Event type se.
IDC XII 10 08 37 57.9–13 4.85S 148.58E 0 3.5,3.4b

¶621644114

IDC Error ellipse: s-maj=213.3km s-min=96.9km az=13.0.
IDC XII 11 12 09 30.3–5.3 3.85S 148.09E 0 3.4,3.3b

¶621644188

IDC Error ellipse: s-maj=165.7km s-min=36.4km az=100.0.
ISC XII 26 21 51 07.6–.55 3.7S–.10 149.30E–.08 10 4.3s,4.2b 45 3-98
IDC XII 26 21 51 06.3–.87 3.65S 149.23E 0 5.4L,4.2s **¶621700262**
NEIC XII 26 21 51 08.1–1.6 3.7S–.10 149.33E–.08 10–1 4.5b,4.2s
GCMT XII 26 21 51 12.5–.10 3.44S–.01 149.21E–.01 14–0 5.1W,4.2s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112262151A. Moment Tensor Solution. s72,c95; s144,c239; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.09 $M_{\theta\theta}$2.25±.08; $M_{\phi\phi}$-2.71±.09; $M_{r\theta}$0.40±.17; $M_{\theta\phi}$4.70±.10; $M_{\phi r}$-0.03±.17; Best double couple: NP1:ϕ_s14.00000°,δ86.00000° ,λ179.00000°. NP2:ϕ_s104.00000°,δ89.00000°,λ4.00000°. Principal axes:
T 5.1070,Plg4.0000°,Azm329.0000°; N 0.4470,Plg85.0000°,Azm120.0000°
; P -5.5530,Plg2.0000°,Azm239.0000° M_o5.33000×10^{16}
ISC XII 26 22 09 42.6–.94 3.2S–.10 149.15E–.10 10 4.2b,4.1s 19 2-99
IDC XII 26 22 09 42.1–5.5 3.42S 148.90E 0 4.0,4.0s **¶621700263**
NEIC XII 26 22 09 42.5–1.1 3.09S–.04 149.16E–.07 10–2 4.3b,4.0s
GCMT XII 26 22 09 47.9–.20 3.45S–.01 149.18E–.01 16–1 4.9W,4.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112262209A. Moment Tensor Solution. s25,c27; s122,c187; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.10±.09 $M_{\theta\theta}$1.65±.08; $M_{\phi\phi}$-1.55±.08; $M_{r\theta}$-0.57±.26; $M_{\theta\phi}$2.69±.08; $M_{\phi r}$0.11±.23; Best double couple: NP1:ϕ_s195.00000°,δ79.00000° ,λ180.00000°. NP2:ϕ_s285.00000°,δ90.00000°,λ11.00000°. Principal axes:
T 3.2400,Plg8.0000°,Azm151.0000°; N -0.1110,Plg79.0000°,Azm287.0000°
; P -3.1280,Plg7.0000°,Azm60.0000° M_o3.18400×10^{16}
IDC XII 27 02 28 38.7–2.1 3.27S 148.31E 0 3.4s,3.3

¶621717277

IDC Error ellipse: s-maj=190.6km s-min=32.7km az=121.0.
IDC XII 26 20 26 36.7–5.3 3.78S 149.13E 0 4.0s,3.9

¶621700246

IDC Error ellipse: s-maj=163.7km s-min=35.9km az=100.0.

(204) Aru Islands region.

DJA VII 23 15 51 35.3–.50 5S–3.0 134E–3.0 24–7 5.8b,5.4

¶626066984

IDC VII 24 05 15 16.9–2.1 5.27S 132.00E 0 3.6b,3.4

¶620970199

IDC Error ellipse: s-maj=79.0km s-min=22.4km az=84.0.
ISC VIII 02 08 08 21.4–1.4 5.27S–.08 133.5E–.20 10 9 5-74
IDC VIII 02 08 08 21.8–2.1 5.16S 133.66E 0 4.1b,3.8 **¶620993224**
ISC Event type se.
IDC Error ellipse: s-maj=66.6km s-min=15.3km az=79.0.
ISC XI 09 04 51 28.3–.52 6.29S–.05 133.30E–.06 35 4.2b 60 1-91
IDC XI 09 04 51 24.8–.67 6.19S 133.24E 0 4.2,4.1L **¶621423134**
NEIC XI 09 04 51 26.2–2.1 6.34S–.04 133.17E–.07 10–1 4.3b,4.1L
DJA XI 09 04 51 30.4–.80 6S–4.0 133E–9.0 80–14 4.8b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 05 20 14 09.6–.58 6.25S–.05 133.33E–.05 10 3.9b 69 1-79
IDC XI 05 20 14 10.0–.82 6.12S 133.39E 0 3.9,3.8L **¶621413993**
NEIC XI 05 20 14 10.2–2.5 6.22S–.06 133.29E–.05 10–1 4.1b,3.8L
DJA XI 05 20 14 14.7–.30 6S–3.0 133E–2.0 71–7 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(205) Near south coast of Irian Jaya.

ISC XII 23 04 02 52.3–.62 7.19S–.05 139.63E–.07 35 4.2b 30 5-74
NEIC XII 23 04 02 49.5–.83 7.13S–.05 139.64E–.09 10–1 4.4b **¶621686803**
IDC XII 23 04 02 49.9–1.1 6.96S 139.70E 0 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.9km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.7km s-min=12.7km az=101.0.

(206) Near south coast of New Guinea.

ISC IX 08 02 15 55.4–1.6 7.4S–.10 145.4E–.10 10 11 3-78
IDC IX 08 02 15 54.0–2.7 7.20S 145.12E 0 3.8L,3.8 **¶621105755**
NEIC IX 08 02 15 56.0–1.3 7.5S–.10 145.4E–.10 10–2 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 05 36 08.2–1.3 7.1S–.20 143.9E–.30 30 4.1b 8 16-88
IDC X 04 05 36 03.6–1.3 7.04S 144.05E 0 4.1b,4.0 **¶621203097**
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=23.7km az=104.0.
ISC XI 10 17 06 15.8–1.1 7.4S–.20 145.8E–.10 35 4.0b 6 14-87
IDC XI 10 17 06 10.8–1.3 7.25S 145.89E 0 4.0,3.9b **¶621440070**
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=25.8km az=151.0.

(207) Eastern New Guinea region.

ISC VII 02 09 48 05.9–.46 5.89S–.05 146.71E–.06 100 4.5b 101 4-145
IDC VII 02 09 48 06.5–1.0 5.81S 146.84E 118–8 4.5,4.0b **¶620927740**
DJA VII 02 09 48 07.6–.40 6S–5.0 147E–4.0 123–6 5.3b,5.0
NEIC VII 02 09 48 07.8–1.3 5.83S–.07 146.73E–.07 124–9 4.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 03 00 24 35.5–.61 5.47S–.07 147.4E–.10 170 4.1b 45 11-125
NEIC VII 03 00 24 39.9–1.2 5.5S–.10 147.4E–.20 206–2 4.2b **¶620927781**
IDC VII 03 00 24 40.5–2.6 5.53S 147.26E 220–23 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=15.5km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=8.8km az=103.0.
IDC VII 03 01 12 52.4–6.3 5.56S 147.53E 150–61 4.1,3.7b

¶620927783

IDC Error ellipse: s-maj=64.8km s-min=24.4km az=100.0.
ISC VII 03 16 26 14.9–1.3 10.1S–.10 148.1E–.20 10 3.9b 10 10-89
IDC VII 03 16 26 12.7–1.5 10.16S 148.51E 0 3.9b,3.9 **¶620927821**
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=21.7km az=110.0.
IDC VII 04 23 20 57.0–1.4 5.32S 147.35E 0 3.8b,3.8

¶620927913

IDC Error ellipse: s-maj=32.1km s-min=28.0km az=108.0.
ISC VII 13 01 13 52.5–.52 5.93S–.07 146.65E–.10 52 4.2b,3.7s 58 7-154
IDC VII 13 01 13 45.1–.61 5.89S 146.70E 0 4.1L,4.1b **¶620928513**
NEIC VII 13 01 13 54.3–1.7 5.99S–.09 146.6E–.10 58–4 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 14 12 35 27.5–1.8 6.8S–.20 147.6E–.40 65 3.5b 6 18-83
IDC VII 14 12 35 17.3–1.8 6.74S 148.13E 0 3.6L,3.6b **¶620928595**
ISC Event type se.
IDC Error ellipse: s-maj=60.8km s-min=27.1km az=96.0.

IDC VII 16 01 28 43.0–1.4 5.31S 147.24E 0 4.3L,4.0 ¶620928672

IDC Error ellipse: s-maj=31.7km s-min=27.9km az=99.0.
ISC VII 16 09 34 21.6–.36 5.63S–.04 146.09E–.04 52–3 4.9b,4.0s 336 4-155
BJI VII 16 09 34 18.4 5.68S 146.48E 58 5.0b,4.9b **¶620831716**
GFZ VII 16 09 34 21.5–.27 6S–3.0 146E–3.0 54–2 4.9,4.8b
NEIC VII 16 09 34 21.9–1.1 5.58S–.06 146.03E–.08 51–4 5.0b,4.8b
GCMT VII 16 09 34 23.7–.30 5.72S–.02 146.28E–.02 42–0 5.0W,4.8b
DJA VII 16 09 34 24.2–.40 6S–4.0 146E–3.0 67–6 5.0b,4.8b
IDC VII 16 09 34 24.9–2.4 5.66S 146.01E 84–20 4.7,4.3b
ISC Event type se.
GFZ Error ellipse: s-maj=6.6km s-min=4.4km az=38.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.3km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107160934A. Moment Tensor Solution. s49,c59; s60,c83; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.55±.19 $M_{\theta\theta}$-2.19±.12; $M_{\phi\phi}$-1.37±.13; $M_{r\theta}$-0.62±.10; $M_{\theta\phi}$1.79±.07; $M_{\phi r}$-0.26±.11; Best double couple: NP1:ϕ_s138.00000°,δ43.00000°,λ104.00000°. NP2:ϕ_s299.00000°,δ48.00000°,λ78.00000°. Principal axes: T 3.6600,Plg80.0000°,Azm144.0000°; N -0.0400,Plg9.0000°,Azm308.0000°; P -3.6310,Plg3.0000°,Azm38.0000° M_o3.64600×10^{16}
IDC Error ellipse: s-maj=16.8km s-min=8.2km az=95.0.
ISC VII 16 19 21 46.2–.59 6.64S–.06 147.41E–.06 63 4.1b 41 5-65
NEIC VII 16 19 21 44.6–1.4 6.55S–.10 147.4E–.10 43–11 4.3b **¶620833022**
IDC VII 16 19 21 48.3–3.0 6.76S 147.21E 75–26 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=13.9km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.3km s-min=12.5km az=98.0.
ISC VII 17 21 20 19.1–.55 6.42S–.05 147.04E–.08 49 4.2b 46 3-87
IDC VII 17 21 20 20.6–4.6 6.42S 147.32E 72–40 4.3s,4.0 **¶620928790**
NEIC VII 17 21 20 22.1–1.2 6.41S–.08 147.1E–.10 75–9 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 18 13 13 14.7–34 4.19S 146.62E 0 3.5L,3.4b ¶620928818

IDC Error ellipse: s-maj=556.1km s-min=113.4km az=0.0.
ISC VII 19 04 43 00.1–.34 6.30S–.04 147.81E–.05 51 4.7b,4.0s 176 3-153
IDC VII 19 04 42 52.3–.63 6.25S 147.85E 0 4.4b,4.4 **¶620833502**
BJI VII 19 04 42 57.6 6.07S 147.97E 42 4.8b,4.8b
NEIC VII 19 04 42 59.7–2.1 6.27S–.05 147.64E–.08 43–6 4.6b,4.8b
GCMT VII 19 04 43 01.8–.30 6.50S–.02 147.78E–.03 31–0 4.9W,4.8b
DJA VII 19 04 43 05.4–.40 6S–4.0 148E–3.0 102–4 5.5b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107190443A. Moment Tensor Solution. s52,c68; s64,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.92±.15 $M_{\theta\theta}$-2.58±.09; $M_{\phi\phi}$-0.34±.10; $M_{r\theta}$0.84±.13; $M_{\theta\phi}$0.86±.07; $M_{\phi r}$-0.37±.17; Best double couple: NP1:ϕ_s287.00000°,δ36.00000°,λ88.00000°. NP2:ϕ_s110.00000°,δ54.00000°,λ92.00000°. Principal axes: T 3.0650,Plg81.0000°,Azm28.0000°; N -0.0500,Plg1.0000°,Azm289.0000°; P -3.0180,Plg9.0000°,Azm199.0000° M_o3.04100×10^{16}
ISC VII 19 12 57 45.6–1.2 7.6S–.20 147.7E–.30 35 3.8b 8 18-87
IDC VII 19 12 57 39.6–1.1 7.60S 147.93E 0 3.9L,3.8b **¶620928873**
ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=21.5km az=107.0.
ISC VII 19 21 10 07.8–1.4 6.4S–.10 147.6E–.20 35 3.8b 9 8-86
IDC VII 19 21 10 01.0–.96 6.21S 148.09E 0 4.1L,3.9b **¶620928900**
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=17.9km az=77.0.
IDC VII 21 14 44 51.5–4.8 4.82S 146.98E 0 3.4b,3.4 ¶620961660

IDC Error ellipse: s-maj=125.6km s-min=31.4km az=97.0.
IDC VII 21 15 49 03.0–10 4.57S 147.00E 0 3.0b,3.0 ¶620961668

IDC Error ellipse: s-maj=338.2km s-min=36.8km az=101.0.
IDC VII 22 13 29 02.1–13 5.56S 147.47E 160–130 4.1L,3.8 ¶620967831

IDC Error ellipse: s-maj=146.0km s-min=26.3km az=105.0.
ISC VII 24 19 49 40.2–.35 6.75S–.04 147.93E–.05 51 4.7b,3.3s 217 3-153
IDC VII 24 19 49 32.5–.57 6.54S 148.16E 0 4.6L,4.2 **¶620845795**
NEIC VII 24 19 49 41.6–1.2 6.72S–.07 147.96E–.08 63–7 4.7b,4.2
GFZ VII 24 19 49 43.0–.22 7S–3.0 148E–3.0 70 4.9b,4.9
DJA VII 24 19 49 44.1–.50 7S–5.0 148E–4.0 90–5 5.7b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 30 19 57 24.4–1.1 5.3S–.10 145.5E–.20 150 3.2b 9 5-85
IDC VII 30 19 57 22.2–5.1 5.23S 145.66E 130–43 3.7,3.2b **¶620986087**
ISC Event type se.
IDC Error ellipse: s-maj=56.3km s-min=19.3km az=83.0.
IDC VII 27 18 32 47.7–1.7 5.47S 146.80E 0 4.0,3.9L ¶620978976

IDC Error ellipse: s-maj=64.6km s-min=27.3km az=122.0.
ISC VII 29 22 11 07.1–1.2 6.2S–.10 146.3E–.20 52 3.7b 15 7-151
IDC VII 29 22 11 00.3–1.4 6.12S 146.33E 0 3.8,3.7b **¶620984146**
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=20.6km az=109.0.
ISC VII 31 12 44 08.7–1.3 6.2S–.20 147.6E–.20 77 4.0b 8 8-146
IDC VII 31 12 43 58.6–1.3 6.16S 147.66E 0 3.9L,3.9b **¶620986127**
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=22.0km az=46.0.
ISC VIII 01 15 45 08.9–.45 6.41S–.05 147.16E–.06 49 4.6b,3.3s 106 5-145
IDC VIII 01 15 45 10.7–2.0 6.33S 147.27E 74–16 4.3,4.0b **¶620925729**
NEIC VIII 01 15 45 11.5–1.7 6.41S–.08 147.16E–.08 67–7 4.6b,4.0b
DJA VIII 01 15 45 16.6–.50 6S–4.0 147E–4.0 80–6 5.3,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 21 06 40.4–.78 5.40S–.09 147.3E–.10 170 4.0b 20 7-145
IDC VIII 02 21 06 40.6–2.5 5.47S 147.30E 172–20 4.2,3.7b **¶620993264**
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=10.9km az=107.0.
IDC VIII 02 08 15 20.8–3.6 8.63S 146.33E 176–39 4.0,3.4b ¶620993225

IDC Error ellipse: s-maj=43.2km s-min=16.1km az=115.0.
ISC VIII 02 21 59 35.5–.77 5.8S–.10 147.1E–.10 35 3.9b 19 7-145
IDC VIII 02 21 59 30.6–.80 5.82S 146.89E 0 3.8b,3.8 **¶620993267**
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=15.0km az=75.0.
ISC VIII 03 03 29 17.4–1.0 6.2S–.10 147.8E–.20 60 4.4b 22 3-146
IDC VIII 03 03 29 09.2–2.8 6.12S 147.88E 0 4.5b,4.4 **¶620995836**
NEIC VIII 03 03 29 16.9–1.3 6.20S–.10 147.8E–.20 49–10 4.3b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 05 06 58 09.7–.89 5.9S–.10 146.6E–.20 150 3.7b 13 7-145
IDC VIII 05 06 58 08.4–4.7 5.83S 146.72E 136–39 4.0,3.5b **¶620998788**
ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=15.5km az=84.0.
ISC VIII 04 10 50 25.5–.60 5.76S–.06 145.87E–.09 100 4.4b 68 4-151
IDC VIII 04 10 50 25.1–4.5 5.72S 146.14E 100–38 4.1,3.7b **¶620966516**
GFZ VIII 04 10 50 26.8–1.1 6S–8.0 146E–11 111–6 4.4b,4.4
NEIC VIII 04 10 50 26.5–1.0 5.75S–.02 146.0E–.10 99–9 4.4b,4.4
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 06 08 57 58.8–1.9 7.2S–.30 146.8E–.50 33 3.7b 7 17-145
IDC VIII 06 08 57 54.8–2.1 7.03S 146.62E 0 3.7,3.6b **¶620998876**
ISC Event type se.
IDC Error ellipse: s-maj=82.5km s-min=29.6km az=113.0.
ISC VIII 06 12 17 54.8–1.4 5.4S–.10 147.8E–.20 150 3.6b 10 8-146
IDC VIII 06 12 17 54.2–6.6 5.33S 147.90E 149–51 3.9,3.4b **¶620998897**
ISC Event type se.
IDC Error ellipse: s-maj=67.8km s-min=20.5km az=80.0.
ISC VIII 06 03 35 53.2–.47 5.76S–.06 146.81E–.09 100 4.1b 53 4-154
NEIC VIII 06 03 35 51.6–1.9 5.73S–.07 146.89E–.09 81–8 4.4b **¶620998852**
IDC VIII 06 03 35 53.0–4.1 5.73S 146.79E 92–35 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=5.0km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.1km s-min=11.9km az=85.0.
ISC VIII 09 06 38 43.6–.75 6.28S–.07 147.9E–.20 50 4.1b 29 3-84
IDC VIII 09 06 38 36.1–1.1 6.08S 147.73E 0 4.0L,3.9b **¶621007233**
NEIC VIII 09 06 38 46.9–1.2 6.45S–.08 147.9E–.20 67–8 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 06 17 41 14.7–5.6 8.75S 148.53E 200–76 3.6,2.9s ¶620998916

IDC Error ellipse: s-maj=93.6km s-min=27.2km az=122.0.
ISC VIII 11 08 58 12.2–.50 5.60S–.06 147.80E–.09 50 4.4b,3.5s 57 4-94
IDC VIII 11 08 58 04.6–.82 5.69S 147.80E 0 4.3b,4.3 **¶621009327**
NEIC VIII 11 08 58 12.2–2.5 5.63S–.06 147.83E–.09 49–5 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 09 17 38 19.2–1.0 6.5S–.10 146.3E–.20 110 3.9b 13 7-126
IDC VIII 09 17 38 19.4–4.3 6.45S 146.31E 111–37 4.1s,4.0 **¶621007277**
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=17.8km az=93.0.
IDC VIII 10 00 35 11.8–2.2 7.22S 148.54E 0 3.8b,3.7 ¶621008086

IDC Error ellipse: s-maj=135.2km s-min=32.8km az=135.0.
ISC VIII 16 16 30 41.9–2.4 6.9S–.40 147.6E–.40 35 3.7b 6 18-146
IDC VIII 16 16 30 38.5–2.3 7.12S 147.78E 0 3.7b,3.6L **¶621030192**
ISC Event type se.
IDC Error ellipse: s-maj=50.7km s-min=42.6km az=137.0.
ISC VIII 11 07 34 18.0–.34 5.63S–.04 147.62E–.05 10 4.8b,4.2s 178 4-146
GFZ VIII 11 07 34 16.7–.16 6S–2.0 148E–3.0 10 4.9,4.9b **¶620980021**
IDC VIII 11 07 34 16.6–.60 5.66S 147.56E 0 4.6b,4.6
NEIC VIII 11 07 34 19.2–1.9 5.60S–.06 147.59E–.07 10–1 4.9b,4.6
GCMT VIII 11 07 34 21.5–.20 5.70S–.02 147.83E–.02 12 4.9W,4.6
BJI VIII 11 07 34 25.4 5.69S 147.54E 75 5.2b,4.8b
DJA VIII 11 07 34 26.1–.70 6S–5.0 148E–7.0 78–8 5.4b,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108110734A. Moment Tensor Solution. s37,c47; s91,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.30±.10 $M_{\theta\theta}$1.93±.09; $M_{\phi\phi}$-0.63±.11; $M_{r\theta}$0.95±.25; $M_{\theta\phi}$2.33±.08; $M_{\phi r}$0.14±.31; Best double couple: NP1:ϕ_s15.00000°,δ64.00000°,λ-168.00000°. NP2:ϕ_s280.00000°,δ80.00000°,λ-27.00000°. Principal axes: T 3.4740,Plg11.0000°,Azm330.0000°; N -1.2880,Plg62.0000°,Azm80.0000°; P -2.1910,Plg26.0000°,Azm235.0000° M_o2.83200×10^{16}
ISC VIII 11 07 49 43.6–.51 5.64S–.06 147.74E–.09 10 4.5b,3.8s 51 4-146
IDC VIII 11 07 49 40.6–.85 5.75S 147.93E 0 4.2b,4.2 **¶621009322**
NEIC VIII 11 07 49 44.1–1.0 5.65S–.09 147.7E–.10 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 07 49 44.3–.51 6.01S–.05 146.91E–.09 100 4.3b 47 3-145
IDC VIII 16 07 49 44.4–5.7 5.89S 146.94E 101–52 4.1,3.7b **¶621030145**
NEIC VIII 16 07 49 45.5–1.0 6.00S–.06 146.91E–.05 101–8 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 05 15 20.2–.78 5.47S–.07 146.9E–.10 10 4.1b 28 4-85
IDC VIII 14 05 15 18.1–1.2 5.59S 146.86E 0 4.2L,4.0 **¶621013442**
NEIC VIII 14 05 15 20.7–1.5 5.43S–.10 146.9E–.10 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 23 12 14 55.0–13 5.98S 147.55E 195–100 4.1,3.6b ¶621049233

IDC Error ellipse: s-maj=112.3km s-min=63.8km az=14.0.
ISC VIII 17 20 32 28.5–1.6 5.2S–.20 146.8E–.20 35 3.4b 6 7-85
IDC VIII 17 20 32 23.7–1.6 5.09S 146.76E 0 4.4s,3.8L **¶621030304**
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=27.1km az=111.0.
ISC VIII 28 00 00 46.3–.34 6.09S–.04 147.88E–.05 100 4.8b 219 4-153
IDC VIII 28 00 00 46.0–2.0 6.09S 147.76E 89–16 4.7,4.3b **¶621009734**
NEIC VIII 28 00 00 45.1–1.4 6.03S–.07 147.88E–.07 80–7 4.8b,4.3b
DJA VIII 28 00 00 47.3–.90 6S–5.0 148E–7.0 84–6 6.0,5.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 25 19 23 19.9–.46 5.43S–.06 146.86E–.08 200 4.1b 58 3-121
NEIC VIII 25 19 23 22.0–2.1 5.50S–.07 146.9E–.10 219–8 4.4b **¶621058956**
IDC VIII 25 19 23 22.3–2.0 5.46S 146.85E 229–18 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=10.5km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.0km s-min=8.7km az=107.0.
IDC VIII 31 15 51 34.3–4.8 6.55S 146.64E 0 3.0L,2.9 ¶621076620

IDC Error ellipse: s-maj=277.7km s-min=58.7km az=119.0.
IDC VIII 28 05 17 07.9–22 6.44S 146.98E 262–225 3.7L,3.6 ¶621073089

IDC Error ellipse: s-maj=252.0km s-min=71.4km az=113.0.
IDC VIII 30 08 23 29.3–1.5 5.64S 147.03E 0 3.6L,3.6b ¶621076499

IDC Error ellipse: s-maj=75.4km s-min=29.2km az=119.0.
ISC VIII 31 20 27 11.5–1.1 5.9S–.20 146.5E–.30 52 4.0b 10 18-152
IDC VIII 31 20 27 14.0–8.7 5.87S 146.49E 76–76 3.8,3.7L **¶621076639**
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=24.6km az=89.0.
ISC IX 04 19 32 37.6–.98 6.6S–.10 147.3E–.20 63 3.6b 13 8-146
IDC IX 04 19 32 28.9–1.0 6.52S 147.52E 0 3.9,3.8L **¶621081649**
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=14.5km az=94.0.
IDC IX 09 10 58 50.4–2.5 6.85S 146.40E 0 3.4L,3.4 ¶621105876

IDC Error ellipse: s-maj=263.8km s-min=33.7km az=123.0.
IDC IX 15 15 40 20.6–4.7 9.43S 148.69E 0 3.2L,3.2 ¶621111994

IDC Error ellipse: s-maj=125.7km s-min=41.8km az=110.0.
ISC IX 17 12 30 11.0–1.4 5.3S–.20 147.1E–.30 200 3.9b 8 15-145
IDC IX 17 12 30 14.4–3.0 5.50S 147.37E 229–29 4.1,3.5b **¶621112960**

ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=16.2km az=121.0.
ISC IX 18 20 47 08.2–.32 9.85S–.03 148.60E–.03 32–2 5.7b,4.8s 1329 1-165
NEIC IX 18 20 47 07.1 9.76S 148.58E 18 5.7b,4.8s **¶621241017**
NEIC IX 18 20 47 07.6 9.76S 148.48E 26 5.3,4.8s
NEIC IX 18 20 47 07.4–1.5 9.76S–.06 148.60E–.06 20–3 5.8b,4.8s
BJI IX 18 20 47 07.4 9.57S 149.14E 50 5.5b,5.5b
MOS IX 18 20 47 09.7–.89 9.65S 148.47E 48 5.9b,4.8s
GCMT IX 18 20 47 09.6–.10 9.75S–.01 148.66E–.01 32–0 5.4W,4.8s
IDC IX 18 20 47 10.4–1.9 9.78S 148.57E 48–17 5.5,5.3b
GFZ IX 18 20 47 10.3 9.79S 148.57E 40 5.3W,5.3b
GFZ IX 18 20 47 10.3–.12 10S–2.0 149E–3.0 42 5.9b,5.7b
DJA IX 18 20 47 13.5–.40 10S–3.0 148E–4.0 54–6 5.8b,5.5b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-0.42 $M_{r\theta}$-0.55 $M_{\theta\phi}$0.23 $M_{\phi r}$0.51 NP1:ϕ_s133.73000°,δ22.69000°,λ90.57000°. NP2:ϕ_s313.11000°,δ67.31000°,λ89.76000°. Principal axes: T 1.1623,Plg68.0000°,Azm223.0000°; N -0.1991,Plg0.0000°,Azm313.0000°; P -0.9632,Plg22.0000°,Azm43.0000° $M_0$1.08000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109182047A. Moment Tensor Solution. s141,c245; s129,c235;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-0.36±.01; $M_{\phi\phi}$-0.77±.01; $M_{r\theta}$-0.69±.02; $M_{\theta\phi}$0.63±.01; $M_{\phi r}$0.59±.02; Best double couple: NP1: ϕ_s153.00000°,δ27.00000°,λ106.00000°. NP2:ϕ_s316.00000°,δ64.00000°,λ82.00000°. Principal axes: T 1.4590,Plg70.0000°,Azm209.0000°; N 0.0680,Plg7.0000°,Azm319.0000°; P -1.5260,Plg18.0000°,Azm52.0000° $M_0$1.49300×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.80 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-0.72 $M_{r\theta}$-0.66 $M_{\theta\phi}$0.35 $M_{\phi r}$0.55 NP1: ϕ_s173.63918°,δ25.85382°,λ123.01488°. NP2:ϕ_s317.80813°,δ68.55161°,λ75.20994°. Principal axes: T 1.2126,Plg63.4949°,Azm203.9498°; N -0.0284,Plg13.7449°,Azm323.3226°; P -1.1842,Plg22.1956°,Azm59.0502° $M_0$1.19863×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC IX 19 23 24 13.2–24 8.13S 148.03E 0 3.7L,3.4b
¶621113653
IDC Error ellipse: s-maj=385.0km s-min=97.1km az=6.0.
IDC IX 22 12 38 13.5–5.4 8.61S 149.92E 0 3.3L,3.3b
¶621118142
IDC Error ellipse: s-maj=151.1km s-min=40.6km az=111.0.
IDC IX 25 12 17 51.1–2.1 5.52S 146.73E 0 3.4b,3.4
¶621131452
IDC Error ellipse: s-maj=94.6km s-min=28.8km az=115.0.
IDC IX 26 05 19 01.2–2.2 5.52S 146.72E 0 3.7s,3.5b
¶621131489
IDC Error ellipse: s-maj=127.9km s-min=30.4km az=126.0.
IDC X 06 05 25 20.9–1.7 5.60S 147.42E 0 4.0L,3.7b
¶621217125
IDC Error ellipse: s-maj=96.8km s-min=20.7km az=125.0.
ISC IX 26 22 01 16.2–.30 5.35S–.04 146.66E–.04 168 4.6b 237 2-155
BJI IX 26 22 01 13.2 5.50S 147.11E 177 4.7b,4.7b **¶621110444**
IDC IX 26 22 01 16.1–.61 5.35S 146.71E 168–4 4.7,4.1b
NEIC IX 26 22 01 17.1–1.9 5.39S–.08 146.63E–.08 165–6 4.6b,4.1b
DJA IX 26 22 01 17.3–.30 5S–4.0 147E–3.0 178–5 5.6,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 27 06 57 21.7–1.8 5.67S 146.16E 0 3.3L,3.3b
¶621140683
IDC Error ellipse: s-maj=154.4km s-min=30.3km az=121.0.
ISC X 06 22 44 58.3–.47 5.23S–.06 146.23E–.07 10 4.5b 57 3-151
NEIC X 06 22 44 58.2–1.2 5.12S–.07 146.32E–.08 10–1 4.6b **¶621126644**
IDC X 06 22 45 10.6–2.8 5.36S 146.28E 110–24 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=9.7km az=238.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.6km s-min=10.5km az=98.0.
ISC X 09 07 15 45.6–1.3 5.6S–.10 145.4E–.20 86 3.9b 7 14-86
IDC X 09 07 15 45.0–9.5 5.61S 145.41E 80–86 3.9,3.8s **¶621235314**
ISC Event type se.
IDC Error ellipse: s-maj=44.7km s-min=37.4km az=63.0.
IDC X 11 08 11 51.7–20 5.52S 146.03E 0 3.7b,3.7
¶621236869
IDC Error ellipse: s-maj=326.2km s-min=102.9km az=178.0.
ISC X 14 12 17 32.7–1.5 6.4S–.20 146.3E–.30 110 3.6b 7 18-86
IDC X 14 12 17 19.3–1.4 6.20S 146.53E 0 3.7b,3.7 **¶621240638**
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=24.0km az=102.0.
ISC X 19 15 42 38.3–1.4 5.2S–.20 146.4E–.20 150 3.5b 6 6-85
IDC X 19 15 42 37.3–7.3 5.24S 146.42E 140–66 3.8,3.5b **¶621244089**
ISC Event type se.
IDC Error ellipse: s-maj=73.4km s-min=23.8km az=109.0.
ISC X 18 16 18 52.8–.39 5.46S–.05 147.02E–.05 195 4.3b 99 3-125
GFZ X 18 16 18 54.5–.51 5S–4.0 147E–4.0 212–6 4.5,4.2b **¶621208890**
NEIC X 18 16 18 54.8–1.2 5.47S–.07 147.02E–.09 202–6 4.3b,4.2b
IDC X 18 16 18 54.3–1.8 5.43S 146.95E 213–15 4.2,3.6b
ISC Event type se.
GFZ Error ellipse: s-maj=10.1km s-min=7.2km az=32.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.6km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.0km s-min=8.5km az=110.0.
ISC X 16 17 24 49.7–.00 5.7S–.10 146.7E–.20 123 3.5b 10 7-145
IDC X 16 17 24 49.4–5.3 5.67S 146.68E 120–46 3.7,3.3b **¶621242133**
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=21.1km az=89.0.
ISC X 21 02 07 58.3–.73 5.67S–.09 147.5E–.10 10 4.3b 24 4-144
NEIC X 21 02 07 59.0–.94 5.7S–.10 147.5E–.20 10–1 4.4b **¶621261386**
IDC X 21 02 07 58.3–8.5 5.54S 147.06E 0 3.8L,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=16.0km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=271.9km s-min=36.5km az=103.0.
IDC XI 03 02 24 49.5–2.4 6.39S 147.64E 0 3.4L,3.4b
¶621412213
IDC Error ellipse: s-maj=267.9km s-min=29.5km az=124.0.
ISC X 25 13 47 43.9–.47 6.70S–.06 147.42E–.08 63 4.0b 53 5-88
IDC X 25 13 47 35.7–.80 6.62S 147.53E 0 4.0,3.9b **¶621366433**
NEIC X 25 13 47 41.9–1.5 6.63S–.07 147.35E–.09 35–2 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 29 16 09 11.2–3.9 5.55S 147.32E 148–33 4.0,3.3b
¶621391445
IDC Error ellipse: s-maj=138.0km s-min=22.2km az=122.0.
ISC X 27 03 27 13.3–.61 7.29S–.08 147.72E–.10 35 4.4b,3.1s 48 8-152
NEIC X 27 03 27 13.9–1.4 7.27S–.09 147.7E–.10 35–1 4.5b,3.1s **¶621385447**
IDC X 27 03 27 19.0–4.2 7.40S 147.69E 82–37 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=13.8km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.7km s-min=14.3km az=107.0.
ISC XI 04 16 25 04.9–.27 6.80S–.03 147.57E–.03 49–2 5.2b,4.3s 779 5-158
MOS XI 04 16 24 58.3–.95 6.73S 147.63E 13 5.3b,4.3s **¶621883476**
IDC XI 04 16 24 58.4–.36 6.74S 147.64E 0 5.0b,5.0
BJI XI 04 16 24 59.8 6.69S 147.91E 29 5.1b,5.0b
GFZ XI 04 16 25 04.7–.23 7S–2.0 148E–3.0 41–2 5.5b,5.3b
NEIC XI 04 16 25 05.1–1.6 6.81S–.07 147.61E–.08 46–4 5.2b,5.3b
GFZ XI 04 16 25 07.1 6.76S 147.55E 39 5.2W,5.3b
DJA XI 04 16 25 08.4–.40 7S–5.0 148E–4.0 88–12 5.7,5.7b
GCMT XI 04 16 25 08.3–.20 6.95S–.01 147.69E–.01 62–1 5.3W,5.7b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.48 $M_{\theta\theta}$-6.42 $M_{\phi\phi}$4.94 $M_{r\theta}$-1.28 $M_{\theta\phi}$3.22 $M_{\phi r}$1.11 NP1: ϕ_s329.42952°,δ89.75622°,λ166.06591°. NP2:ϕ_s59.49000°,δ76.06603°,λ0.25117°. Principal axes: T 5.9170,Plg9.9787°,Azm283.6036°; N 1.6101,Plg76.0638°,Azm148.4471°; P -7.5270,Plg9.6289°,Azm15.3141° $M_0$6.86509×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111041625A. Moment Tensor Solution. s78,c111; s107,c178;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.44±.02 $M_{\theta\theta}$-1.15±.02; $M_{\phi\phi}$0.70±.02; $M_{r\theta}$-0.08±.02; $M_{\theta\phi}$0.59±.02; $M_{\phi r}$-0.20±.02; Best double couple: NP1: ϕ_s149.00000°,δ74.00000°,λ164.00000°. NP2:ϕ_s244.00000°,δ75.00000°,λ17.00000°. Principal axes: T 0.9640,Plg23.0000°,Azm106.0000°; N 0.3530,Plg67.0000°,Azm285.0000°; P -1.3200,Plg1.0000°,Azm16.0000° $M_0$1.14200×10^{17}
ISC XI 03 09 00 52.2–1.1 6.7S–.20 147.6E–.10 63 3.8b 10 13-146
IDC XI 03 09 00 44.0–1.3 6.59S 147.59E 0 3.9,3.8b **¶621412234**
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=25.4km az=28.0.
ISC XI 04 16 37 20.3–.71 6.74S–.06 147.8E–.10 51 4.0b 30 5-83
IDC XI 04 16 37 12.8–1.6 6.55S 148.06E 0 3.8b,3.8 **¶621412308**
NEIC XI 04 16 37 18.5–2.3 6.74S–.09 148.0E–.10 35–2 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 07 03 14 40.1–14 5.45S 146.62E 0 3.7L,3.5b
¶621416013
IDC Error ellipse: s-maj=241.0km s-min=98.2km az=176.0.
ISC XI 08 06 58 28.2–1.3 6.3S–.20 147.1E–.20 10 3.8b 8 7-145
IDC XI 08 06 58 26.7–1.3 6.25S 147.01E 0 4.0,3.8b **¶621423081**
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=23.5km az=78.0.
IDC XI 12 08 09 20.9–1.8 5.10S 146.15E 0 3.6L,3.5
¶621460203
IDC Error ellipse: s-maj=127.3km s-min=32.2km az=120.0.
IDC XI 08 15 30 07.5–6.2 5.38S 145.71E 0 4.5L,3.9
¶621423104
IDC Error ellipse: s-maj=91.7km s-min=63.0km az=19.0.
ISC XI 19 15 23 14.6–.59 5.42S–.08 146.87E–.07 195 4.4b 44 3-85
NEIC XI 19 15 23 17.8–1.5 5.4S–.10 146.91E–.09 224–9 4.4b **¶621590297**
IDC XI 19 15 23 17.9–2.5 5.31S 146.82E 230–24 4.4,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=12.8km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.0km s-min=14.3km az=125.0.
IDC XI 13 10 35 15.8–1.7 9.53S 149.92E 0 3.5b,3.4
¶621468595
IDC Error ellipse: s-maj=75.0km s-min=34.4km az=130.0.
ISC XI 15 13 23 39.1–.56 5.39S–.07 145.6E–.10 86 4.1b 34 4-85
NEIC XI 15 13 23 40.7–1.1 5.38S–.05 145.7E–.10 101–8 4.1b **¶621475633**
IDC XI 15 13 23 41.6–8.3 5.36S 145.60E 106–79 4.1s,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=7.7km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.4km s-min=22.1km az=90.0.
IDC XI 20 17 15 00.4–7.3 6.19S 147.25E 0 3.2L,3.1
¶621590370
IDC Error ellipse: s-maj=155.4km s-min=42.5km az=92.0.
ISC XI 20 09 03 21.7–.68 5.42S–.08 147.30E–.09 250 4.0b 35 3-145
NEIC XI 20 09 03 20.9–.43 5.46S–.10 147.4E–.10 230–10 4.2b **¶621590346**
IDC XI 20 09 03 20.5–2.1 5.43S 147.22E 223–20 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=13.7km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=14.3km az=111.0.
ISC XII 03 19 37 07.9–.39 5.69S–.06 146.30E–.06 123 4.4b 105 4-144
NEIC XII 03 19 37 07.6–1.5 5.70S–.08 146.31E–.08 115–7 4.5b **¶621630616**
IDC XII 03 19 37 07.4–2.6 5.65S 146.36E 115–24 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=11.0km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=12.5km az=69.0.
ISC XII 01 02 35 02.3–.50 5.15S–.06 146.25E–.07 150 4.3b 88 3-144
IDC XII 01 02 35 01.0–2.2 5.18S 146.35E 142–18 4.4,3.9b **¶621629782**
NEIC XII 01 02 35 03.4–1.2 5.2S–.10 146.25E–.09 159–7 4.4b,3.9b
DJA XII 01 02 35 03.7–.30 5S–5.0 146E–3.0 164–7 5.8b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 21 09 02 23.0–.90 6.6S–.10 146.6E–.30 150 3.9b 11 13-145
IDC XI 21 09 02 22.1–6.0 6.60S 146.70E 142–54 4.0,3.6b **¶621608906**
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=21.6km az=86.0.
ISC XI 27 20 36 40.1–.39 9.30S–.03 148.14E–.04 15–2 5.3b,4.3s 840 6-159
BJI XI 27 20 36 34.5 9.43S 148.64E 10 5.5b,5.2b **¶621480538**
IDC XI 27 20 36 37.2–.40 9.26S 148.19E 0 4.9b,4.9
MOS XI 27 20 36 38.6–.98 9.24S 148.09E 15 5.5b,4.9
NEIC XI 27 20 36 39.4–1.5 9.31S–.07 148.17E–.03 10–1 5.3b,5.1
GFZ XI 27 20 36 40.9 9.25S 148.06E 14 5.1W,5.1
GFZ XI 27 20 36 41.2–.19 9S–3.0 148E–3.0 10 5.6b,5.3b
GCMT XI 27 20 36 42.1–.10 9.28S–.01 148.28E–.01 13–0 5.1W,5.3b
DJA XI 27 20 36 45.0–.30 9S–2.0 148E–2.0 49–3 5.7b,5.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.98 $M_{\theta\theta}$4.54 $M_{\phi\phi}$0.44 $M_{r\theta}$-1.15 $M_{\theta\phi}$0.37 $M_{\phi r}$0.60 NP1: ϕ_s92.27993°,δ51.89794°,λ-81.14360°. NP2:ϕ_s258.10829°,δ38.96496°,λ-101.10793°. Principal axes: T 4.6974,Plg6.5152°,Azm175.9892°; N 0.4951,Plg6.9586°,Azm266.7879°; P -5.1924,Plg80.4453°,Azm43.2645° $M_0$4.96344×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111272036A. Moment Tensor Solution. s84,c132; s117,c214;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.64±.14 $M_{\theta\theta}$5.46±.10; $M_{\phi\phi}$-0.82±.10; $M_{r\theta}$-1.62±.21; $M_{\theta\phi}$1.64±.08; $M_{\phi r}$-3.10±.30; Best double couple: NP1: ϕ_s281.00000°,δ39.00000°,λ-48.00000°. NP2:ϕ_s52.00000°,δ62.00000°,λ-118.00000°. Principal axes: T 6.3900,Plg13.0000°,Azm162.0000°; N 0.0140,Plg25.0000°,Azm66.0000°; P -6.4050,Plg62.0000°,Azm277.0000° $M_0$6.39800×10^{16}
ISC XII 05 09 43 30.7–.42 5.29S–.05 145.60E–.06 100 4.5b 120 5-144
DJA XII 05 09 43 21.8–2.6 5S–10 146E–22 72–10 5.8b,5.7 **¶621612605**
IDC XII 05 09 43 29.0–2.9 5.33S 145.59E 83–24 4.2,3.9b
NEIC XII 05 09 43 30.7–1.4 5.24S–.05 145.68E–.09 94–7 4.6b,3.9b
GFZ XII 05 09 43 32.7–.85 5S–4.0 146E–6.0 110–7 4.6b,4.6b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 04 21 32 09.6–1.6 5.1S–.20 147.3E–.20 29 3.8b 6 7-145
IDC XII 04 21 32 05.2–1.8 5.00S 147.27E 0 3.9L,3.8 **¶621630692**
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=28.9km az=113.0.
IDC XII 05 08 26 07.2–8.9 6.06S 147.57E 0 3.8L,3.8b ¶621631240
IDC Error ellipse: s-maj=121.7km s-min=70.7km az=34.0.
ISC XII 07 02 41 43.1–.55 6.10S–.07 147.94E–.08 60 4.9b 34 4-146
IDC XII 07 02 41 36.9–1.3 6.15S 147.72E 0 3.9L,3.9 **¶621632637**
NEIC XII 07 02 41 39.0–1.5 6.07S–.08 147.9E–.10 13–4 4.7b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 13 19 31.1–.43 7.87S–.05 147.35E–.07 52 4.5b,3.7s 141 2-146
IDC XII 08 13 19 24.1–.74 7.78S 147.33E 0 4.4L,4.3b **¶621634704**
NEIC XII 08 13 19 30.7–1.3 7.88S–.07 147.38E–.09 44–2 4.5b,4.3b
DJA XII 08 13 19 33.9–.70 8S–4.0 147E–6.0 39–6 6.1b,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 13 21 42.3–1.0 7.87S–.10 147.3E–.30 52 3.9b 10 2-146
IDC XII 08 13 21 35.1–1.3 7.81S 147.43E 0 3.8b,3.8 **¶621634705**
ISC Event type se.
IDC Error ellipse: s-maj=56.4km s-min=13.7km az=95.0.
ISC XII 09 06 01 54.6–1.1 6.2S–.10 146.0E–.20 150 3.5b 8 3-86
IDC XII 09 06 01 54.5–5.6 6.15S 146.09E 150–64 3.5,3.1b **¶621636555**
ISC Event type se.
IDC Error ellipse: s-maj=65.6km s-min=31.1km az=136.0.
IDC XII 15 08 36 31.7–2.1 6.00S 147.63E 0 3.9b,3.8 ¶621654090
IDC Error ellipse: s-maj=63.6km s-min=26.7km az=96.0.
ISC XII 14 22 04 40.1–.46 5.62S–.06 147.20E–.07 195 4.5b 67 4-151
IDC XII 14 22 04 38.0–1.3 5.61S 147.27E 178–12 4.5,3.9b **¶621652963**
NEIC XII 14 22 04 39.7–2.2 5.58S–.06 147.18E–.09 178–3 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 12 10 55 16.9–2.6 5.12S 145.14E 0 4.1s,3.6b ¶621650499
IDC Error ellipse: s-maj=55.4km s-min=20.2km az=53.0.
IDC XII 13 01 00 22.5–6.0 4.93S 146.69E 0 4.0s,3.4 ¶621650542
IDC Error ellipse: s-maj=189.6km s-min=35.8km az=101.0.
IDC XII 16 00 15 17.7–4.9 7.18S 148.27E 0 3.0L,3.0b ¶621655736
IDC Error ellipse: s-maj=145.1km s-min=38.4km az=108.0.
IDC XII 20 04 26 40.0–3.9 5.54S 147.38E 142–34 4.1,3.7b ¶621685583
IDC Error ellipse: s-maj=83.6km s-min=19.6km az=125.0.
ISC XII 20 01 36 25.4–.36 5.39S–.03 146.83E–.04 246–3 4.9b 685 3-161
BJI XII 20 01 36 19.3 5.63S 147.33E 232 5.1b,5.0b **¶621633816**
DJA XII 20 01 36 24.1–.30 5S–3.0 147E–2.0 232–4 6.0,5.5b
NEIC XII 20 01 36 25.6–1.9 5.37S–.07 146.81E–.08 239–4 4.9b,5.5b
GFZ XII 20 01 36 25.1–.59 5S–2.0 147E–3.0 232–6 5.5b,5.1b
IDC XII 20 01 36 27.0–.68 5.42S 146.81E 258–5 5.3,4.7b
GCMT XII 20 01 36 26.8–.30 5.38S–.02 146.82E–.02 244–2 5.2W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112200136A. Moment Tensor Solution. s46,c50; s104,c150; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.98±.21 $M_{\theta\theta}$-5.75±.18; $M_{\phi\phi}$3.77±.20; $M_{r\theta}$-2.00±.19; $M_{\theta\phi}$-0.24±.22; $M_{\theta r}$-4.24±.18; Best double couple: NP1:ϕ_s126.00000° ,δ48.00000°,λ161.00000°. NP2:ϕ_s228.00000°,δ76.00000°,λ43.00000°. Principal axes: T 7.2990,Plg40.0000°,Azm96.0000°; N -0.8780,Plg45.0000°,Azm243.0000° ; P -6.4210,Plg17.0000°,Azm351.0000° $M_0$6.86000×10^{16}
ISC XII 22 09 05 59.2–.74 6.85S–.08 147.3E–.10 65 4.0b 35 3-87
IDC XII 22 09 05 50.4–1.0 6.74S 147.69E 0 4.2b,4.2 **¶621686758**
NEIC XII 22 09 05 59.0–1.4 6.79S–.08 147.4E–.10 63–7 4.1b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 03 36 18.7–.64 5.70S–.08 146.8E–.10 150 4.5b 49 6-85
IDC XII 21 03 36 15.7–9.4 5.67S 146.95E 125–86 4.6L,4.3 **¶621685662**
NEIC XII 21 03 36 17.9–1.3 5.69S–.10 146.8E–.10 134–9 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 19 51 17.9–.55 8.19S–.07 148.64E–.08 35 4.4b 55 5-90
IDC XII 29 19 51 12.4–1.1 8.11S 148.84E 0 5.3s,4.5L **¶621724246**
NEIC XII 29 19 51 17.8–2.1 8.25S–.05 148.9E–.10 38–9 4.6b,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 23 02 29 08.7–.46 5.73S–.06 147.09E–.07 100 4.5b 97 5-99
IDC XII 23 02 29 07.2–.93 5.71S 147.13E 87–8 4.2,3.8b **¶621648327**
NEIC XII 23 02 29 08.6–1.1 5.72S–.09 147.05E–.09 90–8 4.6b,3.8b
GFZ XII 23 02 29 10.6–1.1 6S–7.0 147E–8.0 106–9 5.1b,4.6b
DJA XII 23 02 29 20.5–2.9 6S–16 147E–15 180–24 5.0b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 23 07 48 05.3–1.1 9.7S–.10 149.2E–.20 35 3.9b 9 11-100
IDC XII 23 07 47 59.7–1.2 9.61S 149.36E 0 3.9b,3.8 **¶621686814**
ISC Event type se.
IDC Error ellipse: s-maj=49.6km s-min=22.8km az=123.0.
IDC XII 27 03 25 18.8–2.6 5.83S 146.67E 0 3.5b,3.5 ¶621717282
IDC Error ellipse: s-maj=322.4km s-min=33.0km az=122.0.

(208) Arafura Sea.

ISC XII 21 22 31 34.1–.67 8.61S–.05 134.82E–.08 35 4.1b 34 4-81
IDC XII 21 22 31 30.9–.80 8.39S 134.94E 0 4.1L,4.1 **¶621685711**
NEIC XII 21 22 31 31.9–2.0 8.53S–.08 134.90E–.09 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 18 09 46.4–.96 9.23S–.07 135.0E–.10 35 9 9-73
IDC XII 21 18 09 44.3–1.2 8.95S 135.06E 0 3.6,3.4L **¶621685697**
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=12.7km az=99.0.

SEISMIC REGION 17.
Caroline Islands to Guam.

(209) Western Caroline Islands.

ISC VII 21 13 31 58.0–.32 9.52N–.04 138.44E–.06 35 4.7b,3.7s 204 4-153
IDC VII 21 13 31 53.4–.49 9.50N 138.39E 0 4.5L,4.4b **¶620842807**
NEIC VII 21 13 31 54.6–1.0 9.47N–.07 138.31E–.08 10–1 4.8b,4.4b
DJA VII 21 13 31 56.1–1.6 10N–8.0 138E–5.0 31–10 5.6b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 08 06 25 28.4–.62 12.12N–.09 140.0E–.10 35 4.1b,3.3s 29 5-97
NEIC VIII 08 06 25 26.1–.90 12.2N–.10 140.0E–.10 15–5 4.4b,3.3s **¶620976274**
IDC VIII 08 06 25 34.6–4.1 12.07N 140.43E 102–42 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=17.3km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.1km s-min=15.6km az=87.0.
ISC IX 06 15 34 49.8–.46 7.86N–.06 137.43E–.10 10 4.4b,3.2s 49 11-91
IDC IX 06 15 34 48.3–.73 7.90N 137.46E 0 4.1,4.0L **¶621094262**
NEIC IX 06 15 34 50.7–1.3 7.84N–.08 137.4E–.10 10–1 4.5b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 09 12 37 04.8–5.5 8.12N 139.43E 0 3.5b,3.5 ¶621007261
IDC Error ellipse: s-maj=231.1km s-min=31.8km az=78.0.
ISC IX 13 22 23 20.5–1.3 11.3N–.20 139.5E–.30 22 3.8b 7 6-73
IDC IX 13 22 23 17.1–1.3 11.34N 139.50E 0 3.6b,3.6 **¶621109727**
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=23.0km az=81.0.
ISC IX 13 04 12 03.2–.77 9.29N–.07 141.1E–.20 35 4.2b,3.8s 15 6-93
IDC IX 13 04 11 58.4–.91 9.43N 141.09E 0 4.1b,4.1 **¶621109696**
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=16.3km az=82.0.
ISC IX 15 20 46 55.9–.67 8.26N–.08 137.7E–.10 35 4.3b 27 11-118
IDC IX 15 20 46 53.1–1.5 8.34N 137.25E 0 4.5L,4.0 **¶621112011**
NEIC IX 15 20 46 53.3–1.1 8.4N–.10 137.8E–.20 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 14 19 27 14.0–1.3 10.4N–.20 138.7E–.30 35 3.7b 6 7-74
IDC IX 14 19 27 08.6–1.5 10.44N 138.76E 0 3.6b,3.6 **¶621110844**
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=30.1km az=81.0.
ISC IX 22 23 31 25.0–.81 10.36N–.10 138.9E–.20 10 4.3b,2.8s 29 13-92
IDC IX 22 23 31 23.8–1.1 10.48N 139.07E 0 3.9L,3.9b **¶621118185**
NEIC IX 22 23 31 25.5–.75 10.35N–.04 138.9E–.20 10–1 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 05 55 04.6–1.1 8.50N–.09 137.7E–.20 35 3.4b 7 9-76
IDC IX 26 05 54 59.7–1.1 8.72N 137.44E 0 4.4L,3.8 **¶621131491**
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=16.6km az=93.0.
ISC IX 26 18 59 02.3–.44 10.45N–.06 138.91E–.08 35 4.7b 115 7-153
BJI IX 26 18 58 56.7 10.59N 139.25E 11 4.7b,4.6b **¶621110440**
IDC IX 26 18 58 57.5–.52 10.56N 138.94E 0 4.4b,4.4
NEIC IX 26 18 58 59.6–1.9 10.44N–.10 138.9E–.10 10–1 4.7b,4.4
GFZ IX 26 18 59 03.5–.69 10N–3.0 139E–5.0 55–8 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 26 19 46 10.8–.50 10.45N–.07 138.88E–.09 35 4.7b,3.4s 54 7-153
IDC IX 26 19 46 05.7–.59 10.47N 138.92E 0 4.4b,4.4 **¶621110442**
NEIC IX 26 19 46 07.6–2.0 10.50N–.10 138.9E–.10 10–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 20 20 26.2–.61 6.38N–.07 133.8E–.10 35 4.4b 47 8-90
IDC IX 26 20 20 20.7–.76 6.49N 134.12E 0 4.1b,4.1 **¶621131531**
NEIC IX 26 20 20 23.1–1.3 6.44N–.09 133.80E–.08 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 20 29 47.5–.69 10.48N–.08 138.9E–.10 35 4.4b,2.9s 50 13-76
IDC IX 28 20 29 41.6–1.0 10.51N 139.16E 0 4.1b,4.1 **¶621140847**
NEIC IX 28 20 29 44.6–.84 10.5N–.10 138.9E–.20 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 26 21 25 54.9–7.0 11.26N 141.20E 0 3.5b,3.5 ¶621131538
IDC Error ellipse: s-maj=318.2km s-min=24.5km az=81.0.
ISC X 02 15 18 51.7–1.3 8.6N–.20 138.2E–.30 35 3.6b 8 11-76
IDC X 02 15 18 46.4–1.2 8.66N 138.26E 0 3.5b,3.5 **¶621186074**
ISC Event type se.
IDC Error ellipse: s-maj=44.2km s-min=22.4km az=82.0.
IDC X 01 04 42 16.3–1.5 11.28N 140.58E 0 3.6b,3.6 ¶621147808
IDC Error ellipse: s-maj=70.2km s-min=23.8km az=77.0.
ISC IX 28 16 26 55.5–.31 10.51N–.04 139.10E–.05 10 5.0b,4.1s 352 6-147
BJI IX 28 16 26 52.7 10.50N 139.23E 14 5.5b,4.9b **¶621112123**
IDC IX 28 16 26 53.6–.61 10.56N 139.05E 0 5.2L,4.6b
NEIC IX 28 16 26 55.3–1.1 10.49N–.04 139.03E–.09 10–1 5.2b,4.9
GFZ IX 28 16 26 55.8–.19 11N–2.0 139E–3.0 10 5.5b,5.2
GCMT IX 28 16 26 59.1–.20 10.59N–.02 138.90E–.01 12 5.0W,5.2
DJA IX 28 16 27 02.0–.70 10N–4.0 139E–3.0 47–6 5.5b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109281626A. Moment Tensor Solution. s36,c38; s115,c196; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.43±.07 $M_{\theta\theta}$0.49±.06; $M_{\phi\phi}$2.94±.06; $M_{r\theta}$1.24±.31; $M_{\theta\phi}$0.69±.06; $M_{\theta r}$-0.10±.22; Best double couple: NP1:ϕ_s359.00000°,δ45.00000° ,λ-114.00000°. NP2:ϕ_s211.00000°,δ49.00000°,λ-68.00000°. Principal axes: T 3.1290,Plg2.0000°,Azm286.0000°; N 0.6690,Plg17.0000°,Azm16.0000° ; P -3.8020,Plg73.0000°,Azm189.0000° $M_0$3.46600×10^{16}
ISC X 23 14 50 43.6–.49 7.45N–.06 136.00E–.09 10 4.3b,3.1s 42 10-82
IDC X 23 14 50 42.9–.94 7.48N 136.00E 0 3.9b,3.9 **¶621309378**
NEIC X 23 14 50 43.8–2.5 7.45N–.09 136.03E–.02 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 11 12 20.9–1.1 11.3N–.20 140.2E–.30 35 3.9b 8 27-87
IDC X 06 11 12 15.6–1.3 11.37N 140.26E 0 3.9b,3.9 **¶621217149**
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=29.3km az=85.0.
ISC X 19 06 09 14.6–1.0 7.7N–.20 137.4E–.30 35 4.4b 10 28-93
IDC X 19 06 09 09.3–.97 7.72N 137.41E 0 4.1b,4.1 **¶621244061**
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=19.2km az=82.0.
ISC X 28 23 34 59.7–.32 9.75N–.04 138.56E–.06 10 4.8b,3.8s 186 7-147
DJA X 28 23 34 56.0–1.1 10N–9.0 139E–9.0 10 5.2b,4.8b **¶621243331**
IDC X 28 23 34 59.0–.47 9.85N 138.51E 0 4.6L,4.5
GFZ X 28 23 35 00.4–.23 10N–2.0 138E–4.0 10 6.7,6.6
NEIC X 28 23 35 01.1–2.1 9.80N–.09 138.4E–.10 10–1 5.0b,6.6
GCMT X 28 23 35 03.9–.40 9.61N–.03 138.11E–.03 27–0 4.9W,6.6
BJI X 28 23 35 04.1 10.40N 138.25E 10 5.2b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=10.1km az=85.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=14.8km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110282335A. Moment Tensor Solution. s21,c24; s74,c104; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.09±.20 $M_{\theta\theta}$-0.69±.11; $M_{\phi\phi}$-1.40±.13; $M_{r\theta}$0.86±.21; $M_{\theta\phi}$-1.38±.07; $M_{\phi r}$-0.78±.21; Best double couple: NP1:ϕ_s62.00000°,δ50.00000° ,λ126.00000°. NP2:ϕ_s193.00000°,δ52.00000°,λ55.00000°. Principal axes: T 2.6760,Plg63.0000°,Azm40.0000°; N -0.2010,Plg27.0000°,Azm217.0000° ; P -2.4700,Plg1.0000°,Azm307.0000° M_o2.57300×10^{16}

ISC	**X**	**27 12 57 46.3–1.1**	**10.6N–.10**	**138.7E–.30**	**26**	**3.6b**	**9**	**31-74**
IDC	X	27 12 57 42.2–1.1	10.66N	138.74E	0	3.7b,3.7		**¶621385463**
ISC	Event type se.							
IDC	Error ellipse: s-maj=43.7km s-min=18.3km az=77.0.							
IDC	**XII**	**13 23 16 31.7–6.3**	**7.86N**	**137.18E**	**0**	**3.5b,3.5**		
								¶621650608
IDC	Error ellipse: s-maj=335.1km s-min=23.1km az=78.0.							
ISC	**XI**	**08 19 25 08.9–2.5**	**10.6N–.20**	**139.2E–.60**	**35**	**3.6b**	**6**	**31-69**
IDC	XI	08 19 25 03.2–2.5	10.64N	139.32E	0	3.5b,3.5		**¶621423118**
ISC	Event type se.							
IDC	Error ellipse: s-maj=92.3km s-min=23.7km az=76.0.							
ISC	**XII**	**15 01 55 13.2–.85**	**9.86N–.10**	**138.7E–.30**	**35**	**3.7b,3.3s**	**11**	**12-89**
IDC	XII	15 01 55 08.8–.91	10.10N	138.51E	0	4.5L,3.7		**¶621654069**
ISC	Event type se.							
IDC	Error ellipse: s-maj=46.8km s-min=14.4km az=79.0.							
ISC	**XII**	**16 14 09 06.7–.41**	**11.66N–.06**	**141.50E–.06**	**27**	**4.3b,3.3s**	**60**	**4-98**
NEIC	XII	16 14 09 04.6–2.0	11.69N–.07	141.49E–.05	10–1	4.6b,3.3s		**¶621655786**
IDC	XII	16 14 09 10.3–3.2	11.68N	141.66E	52–32	4.2L,3.8		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=13.7km s-min=4.7km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=23.0km s-min=14.0km az=99.0.							
ISC	**XII**	**29 15 00 50.6–.97**	**11.0N–.10**	**138.7E–.20**	**35**	**4.2b**	**13**	**14-91**
IDC	XII	29 15 00 45.3–.89	11.04N	138.73E	0	4.0b,4.0		**¶621724224**
ISC	Event type se.							
IDC	Error ellipse: s-maj=30.9km s-min=17.7km az=88.0.							

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ISC	**VII**	**01 22 55 52.4–.69**	**12.2N–.10**	**143.8E–.20**	**26**	**4.2b,3.5s**	**25**	**2-92**
IDC	VII	01 22 55 48.0–1.0	12.19N	144.01E	0	3.8b,3.8		**¶620927698**
NEIC	VII	01 22 55 50.7–.86	12.2N–.10	143.9E–.20	10–1	4.4b,3.8		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**05 16 22 00.6–.55**	**12.27N–.07**	**143.84E–.08**	**27**	**4.3b,3.0s**	**56**	**2-92**
NEIC	VII	05 16 22 02.5–.67	12.30N–.09	143.8E–.10	35–2	4.4b,3.0s		**¶620927972**
IDC	VII	05 16 22 05.3–2.1	12.36N	143.84E	68–20	3.9,3.6b		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=20.3km s-min=12.2km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=25.2km s-min=16.1km az=108.0.							
ISC	**VII**	**06 22 17 59.8–.33**	**12.34N–.04**	**144.70E–.06**	**30**	**4.9b,4.2s**	**342**	**1-155**
BJI	VII	06 22 17 54.7	12.06N	144.71E	16	4.9b,4.6s		**¶620757418**
IDC	VII	06 22 17 55.5–.53	12.38N	144.58E	0	4.3,4.2b		
NEIC	VII	06 22 17 57.7–1.9	12.36N–.03	144.5E–.10	10–1	5.0b,4.2b		
GFZ	VII	06 22 17 59.6–.20	12N–3.0	144E–3.0	34	5.0,4.8b		
DJA	VII	06 22 18 00.9–.50	12N–3.0	145E–6.0	56–5	5.7b,5.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
IDC	**VII**	**07 08 29 11.3–2.6**	**12.05N**	**144.97E**	**0**	**3.4b,3.4**		
								¶620928096
IDC	Error ellipse: s-maj=121.9km s-min=17.0km az=92.0.							
ISC	**VII**	**07 11 02 36.7–.59**	**12.23N–.08**	**143.9E–.10**	**10**	**4.2b**	**29**	**2-92**
IDC	VII	07 11 02 35.3–.80	12.17N	143.61E	0	3.8b,3.8		**¶620928108**
NEIC	VII	07 11 02 37.5–1.8	12.26N–.09	143.8E–.10	10–1	4.2b,3.8		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**07 11 12 54.0–.00**	**12.5N–.10**	**144.2E–.20**	**10**	**3.7b**	**10**	**1-88**
IDC	VII	07 11 12 52.8–.97	12.42N	144.08E	0	3.6b,3.6		**¶620928109**
ISC	Event type se.							
IDC	Error ellipse: s-maj=31.4km s-min=16.3km az=118.0.							
ISC	**VII**	**08 07 35 17.1–.69**	**12.2N–.10**	**143.9E–.20**	**26**	**4.3b,3.8s**	**22**	**2-92**
IDC	VII	08 07 35 13.0–.84	12.22N	143.54E	0	4.0b,4.0		**¶620928160**
NEIC	VII	08 07 35 15.5–.77	12.2N–.10	144.0E–.20	10–1	4.4b,4.0		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**13 20 36 09.8–1.4**	**13.2N–.20**	**143.2E–.40**	**35**	**3.7b**	**6**	**34-70**
IDC	VII	13 20 36 04.6–1.5	13.26N	143.17E	0	3.6b,3.6		**¶620928561**
ISC	Event type se.							
IDC	Error ellipse: s-maj=51.6km s-min=29.7km az=87.0.							
ISC	**VII**	**14 09 24 52.9–.43**	**12.03N–.03**	**143.87E–.04**	**15–2**	**5.3b,4.8s**	**617**	**2-149**
BJI	VII	14 09 24 49.6	11.90N	144.10E	18	5.4b,5.0s		**¶625560831**
IDC	VII	14 09 24 50.8–.43	12.03N	143.84E	0	4.7b,4.7		
NEIC	VII	14 09 24 52.6–.94	12.00N–.07	143.86E–.10	10–1	5.4,5.4b		
MOS	VII	14 09 24 52.1–.94	12.02N	143.77E	21	5.5b,5.0s		
GFZ	VII	14 09 24 53.2–.16	12N–2.0	144E–3.0	10	5.1,5.0b		
GCMT	VII	14 09 24 57.3–.10	11.86N–.01	143.76E–.01	12	5.3W,5.0b		
DJA	VII	14 09 24 59.4–.60	12N–6.0	144E–15	96–18	5.4b,5.3		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107140924A. Moment Tensor Solution. s110,c179; s138,c272;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.83±.01 $M_{\theta\theta}$-0.89±.01; $M_{\phi\phi}$0.05±.01; $M_{r\theta}$0.22±.03; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$-0.19±.04; Best double couple: NP1: ϕ_s235.00000°,δ43.00000°,λ63.00000°. NP2:ϕ_s90.00000°,δ52.00000°,λ113.00000°. Principal axes: T 0.9220,Plg71.0000°,Azm59.0000°; N 0.0830,Plg18.0000°,Azm255.0000° ; P -1.0050,Plg5.0000°,Azm163.0000° M_o0.96400×10^{17}							
ISC	**VII**	**21 08 48 17.9–.91**	**12.7N–.20**	**143.2E–.10**	**28**	**3.9b**	**10**	**2-89**
IDC	VII	21 08 48 13.8–.84	12.71N	142.99E	0	3.9b,3.9		**¶620961644**
ISC	Event type se.							
IDC	Error ellipse: s-maj=26.6km s-min=16.7km az=131.0.							
ISC	**VII**	**21 10 30 50.2–.96**	**12.0N–.10**	**143.0E–.20**	**31**	**3.6b**	**9**	**2-94**
IDC	VII	21 10 30 50.6–5.2	12.01N	142.90E	33–42	4.3L,3.8		**¶620961650**
ISC	Event type se.							
IDC	Error ellipse: s-maj=40.1km s-min=18.2km az=106.0.							
ISC	**VII**	**22 21 17 35.1–.63**	**11.16N–.08**	**144.5E–.10**	**10**	**4.1b,3.3s**	**28**	**2-99**
IDC	VII	22 21 17 34.3–1.2	11.11N	144.49E	0	3.9b,3.9		**¶620967851**
NEIC	VII	22 21 17 35.6–1.6	10.99N–.04	144.4E–.10	10–1	4.2b,3.9		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**25 14 41 36.9–.97**	**12.58N–.04**	**143.46E–.05**	**53–9**	**4.8b,3.9s**	**294**	**2-168**
BJI	VII	25 14 41 28.7	12.20N	143.75E	31	5.1b,4.9b		**¶620845931**
NEIC	VII	25 14 41 31.8–1.3	12.53N–.08	143.36E–.06	10–1	4.9b,4.9b		
GFZ	VII	25 14 41 31.9–.21	12N–4.0	143E–4.0	10	4.9b,4.9		
GCMT	VII	25 14 41 34.0–.20	12.33N–.02	143.31E–.01	18–0	5.0W,4.9		
DJA	VII	25 14 41 35.2–1.9	13N–5.0	143E–4.0	20–14	5.4b,5.0b		
IDC	VII	25 14 41 36.1–1.6	12.53N	143.45E	50–15	4.6,4.3L		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=15.8km s-min=5.3km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107251441A. Moment Tensor Solution. s33,c40; s108,c166; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.89±.15 $M_{\theta\theta}$-0.01±.09; $M_{\phi\phi}$2.90±.09; $M_{r\theta}$-0.77±.24; $M_{\theta\phi}$-1.42±.05; $M_{\phi r}$-0.19±.17; Best double couple: NP1:ϕ_s354.00000° ,δ46.00000°,λ-66.00000°. NP2:ϕ_s141.00000°,δ49.00000°,λ-113.00000°. Principal axes: T 3.4800,Plg1.0000°,Azm248.0000°; N -0.3450,Plg17.0000°,Azm157.0000° ; P -3.1350,Plg73.0000°,Azm341.0000° M_o3.30800×10^{16}

IDC	Error ellipse: s-maj=11.8km s-min=8.9km az=104.0.							
ISC	**VIII**	**01 20 32 59.3–.39**	**11.52N–.06**	**142.53E–.10**	**25**	**4.8b,3.7s**	**84**	**3-150**
IDC	VIII	01 20 32 55.2–.49	11.56N	142.43E	0	4.3b,4.3		**¶620925740**
NEIC	VIII	01 20 32 57.7–1.0	11.57N–.10	142.5E–.10	10–1	4.9b,4.3		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**26 06 27 25.6–.00**	**13.4N–.20**	**146.4E–.10**	**26**	**4.0b**	**13**	**1-97**
IDC	VII	26 06 27 21.1–1.0	13.44N	146.61E	0	3.9b,3.9		**¶620973817**
ISC	Event type se.							
IDC	Error ellipse: s-maj=22.3km s-min=20.9km az=102.0.							
ISC	**VII**	**28 19 10 05.9–.00**	**11.9N–.20**	**143.6E–.30**	**25**	**3.9b**	**11**	**23-92**
IDC	VII	28 19 10 01.9–1.1	11.88N	143.69E	0	3.8b,3.8		**¶620979630**
ISC	Event type se.							
IDC	Error ellipse: s-maj=40.9km s-min=23.3km az=87.0.							
ISC	**VII**	**31 23 40 17.7–.52**	**11.97N–.08**	**143.55E–.09**	**25**	**4.5b,3.1s**	**54**	**2-149**
IDC	VII	31 23 40 14.6–.68	12.05N	143.37E	0	4.2L,4.2b		**¶620986158**
NEIC	VII	31 23 40 15.9–1.2	12.00N–.09	143.52E–.08	10–1	4.6b,4.2b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**17 14 30 04.9–.50**	**12.78N–.07**	**143.14E–.07**	**35**	**4.3b**	**34**	**2-85**
IDC	VIII	17 14 30 00.3–1.0	12.83N	142.73E	0	4.0L,3.9b		**¶621030277**
NEIC	VIII	17 14 30 09.5–1.1	12.88N–.09	143.31E–.09	80–8	4.5b,3.9b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**09 05 15 02.7–.86**	**13.1N–.10**	**143.6E–.10**	**200**	**3.6b**	**14**	**1-91**
IDC	VIII	09 05 15 02.4–1.1	13.11N	143.51E	195–13	3.8,3.7s		**¶621007228**
ISC	Event type se.							
IDC	Error ellipse: s-maj=29.6km s-min=14.5km az=92.0.							
ISC	**VIII**	**14 13 59 11.4–.49**	**12.45N–.08**	**143.53E–.08**	**27**	**4.6b**	**57**	**2-149**
IDC	VIII	14 13 59 07.9–.59	12.50N	143.34E	0	4.3b,4.3		**¶621013501**
NEIC	VIII	14 13 59 09.9–2.1	12.42N–.07	143.60E–.09	10–1	4.8b,4.3		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	**VIII**	**14 14 23 39.0–1.4**	**12.71N**	**143.00E**	**0**	**3.4L,3.4**		
								¶621013509
IDC	Error ellipse: s-maj=36.5km s-min=18.1km az=140.0.							
ISC	**VIII**	**06 08 04 53.8–.63**	**12.8N–.10**	**143.17E–.09**	**100**	**4.0b**	**25**	**2-150**
NEIC	VIII	06 08 04 55.8–.52	12.8N–.10	143.3E–.10	111–8	4.3b		**¶620998866**
IDC	VIII	06 08 04 55.5–1.9	12.88N	143.34E	121–18	3.9,3.5b		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=21.3km s-min=7.7km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=29.8km s-min=14.5km az=106.0.							
ISC	**VIII**	**14 04 35 35.5–.86**	**12.8N–.10**	**144.7E–.20**	**50**	**4.0s,3.6b**	**15**	**1-148**
IDC	VIII	14 04 35 35.4–1.6	12.74N	144.81E	54–12	3.7,3.7s		**¶621013438**
ISC	Event type se.							
IDC	Error ellipse: s-maj=27.9km s-min=18.0km az=98.0.							
ISC	**VIII**	**24 17 33 01.2–.42**	**12.64N–.06**	**145.20E–.08**	**10**	**4.9b,3.5s**	**129**	**14-148**
IDC	VIII	24 17 33 00.2–.67	12.76N	145.32E	0	4.2,4.1b		**¶621049343**
NEIC	VIII	24 17 33 02.1–1.0	12.7N–.10	145.1E–.10	10–1	5.0b,4.1b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**30 07 19 37.8–.99**	**12.2N–.20**	**145.9E–.40**	**35**	**3.5b**	**7**	**21-84**
IDC	VIII	30 07 19 32.4–1.1	12.22N	145.98E	0	3.5b,3.5		**¶621076495**
ISC	Event type se.							
IDC	Error ellipse: s-maj=48.9km s-min=21.5km az=97.0.							
ISC	**VIII**	**24 14 47 25.3–.50**	**12.76N–.03**	**145.15E–.04**	**15–2**	**5.2b,5.1s**	**630**	**14-155**
BJI	VIII	24 14 47 22.5	12.68N	145.28E	18	5.4b,5.3s		**¶621002167**
IDC	VIII	24 14 47 22.8–.45	12.76N	145.13E	0	5.0s,4.6b		
MOS	VIII	24 14 47 23.7–.87	12.76N	145.08E	16	5.2b,5.0s		
GFZ	VIII	24 14 47 24.5	12.80N	145.06E	16	5.5W,5.0s		
GFZ	VIII	24 14 47 25.0–.19	13N–3.0	145E–3.0	10	5.2,5.1b		
NEIC	VIII	24 14 47 25.2–1.1	12.74N–.08	145.1E–.10	10–1	5.3b,5.1b		
NEIC	VIII	24 14 47 25.6	12.84N	145.41E	20	5.4,5.1b		
NEIC	VIII	24 14 47 25.1	12.74N	145.10E	10	5.4,5.1b		
IPGP	VIII	24 14 47 25.0	12.73N	145.10E	9	5.6W,5.1b		
DJA	VIII	24 14 47 30.5–.60	12N–3.0	145E–4.0	49–8	5.7b,5.5		
GCMT	VIII	24 14 47 30.2–.10	12.58N–.01	145.19E–.01	13–0	5.4W,5.5		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.02 $M_{\theta\theta}$-0.80 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.65 $M_{\phi r}$1.86 NP1: ϕ_s231.76648°,δ17.44326°,λ123.66867°. NP2:ϕ_s16.84234°,δ75.55335°,λ80.11852°. Principal axes: T 2.1883,Plg58.3204°,Azm273.4827°; N 0.0907,Plg9.5660°,Azm19.3307° ; P -2.2790,Plg29.8798°,Azm114.8873° M_o2.23505×10^{17}							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NEIC	Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.25 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-1.20 $M_{r\theta}$-0.43 $M_{\theta\phi}$-1.09 $M_{\phi r}$0.51 NP1:ϕ_s238.96000°,δ49.11000° ,λ133.06000°. NP2:ϕ_s3.98000°,δ56.48000°,λ51.75000°. Principal axes: T 1.6482,Plg59.0000°,Azm217.0000°; N 0.2288,Plg31.0000°,Azm28.0000° ; P -1.8770,Plg4.0000°,Azm120.0000° M_o1.77000×10^{17}							
NEIC	Event type se.							
IPGP	Moment Tensor Solution. NP1:ϕ_s213.00000°,δ15.00000°,λ98.00000°. NP2:ϕ_s25.00000° ,δ75.00000°,λ88.00000°.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108241447A. Moment Tensor Solution. s125,c243; s147,c306;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-0.21±.01; $M_{\phi\phi}$-0.92±.01; $M_{r\theta}$0.08±.03; $M_{\theta\phi}$-0.70±.01; $M_{\phi r}$0.74±.04; Best double couple: NP1: ϕ_s227.00000°,δ33.00000°,λ116.00000°. NP2:ϕ_s17.00000°,δ61.00000°,λ74.00000°. Principal axes: T 1.3930,Plg70.0000°,Azm254.0000°; N 0.1370,Plg14.0000°,Azm25.0000° ; P -1.5300,Plg15.0000°,Azm119.0000° M_o1.46200×10^{17}							
ISC	**IX**	**05 11 57 43.1–.92**	**13.1N–.10**	**144.0E–.20**	**138**	**3.7b**	**16**	**20-149**
IDC	IX	05 11 57 43.5–6.8	13.11N	143.95E	141–63	3.9,3.5b		**¶621086408**
ISC	Event type se.							
IDC	Error ellipse: s-maj=31.9km s-min=15.0km az=84.0.							
ISC	**IX**	**01 23 07 35.6–.86**	**12.0N–.20**	**143.8E–.20**	**10**	**4.2b**	**21**	**15-89**
IDC	IX	01 23 07 34.2–1.1	12.08N	143.70E	0	4.0b,4.0		**¶621080643**
NEIC	IX	01 23 07 34.9–.84	11.8N–.20	143.72E–.08	10–2	4.4b,4.0		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**05 03 08 43.9–.48**	**12.87N–.08**	**145.06E–.10**	**10**	**4.8b,3.4s**	**89**	**14-148**
IDC	IX	05 03 08 42.2–.61	12.96N	145.11E	0	4.2b,4.2		**¶621039467**
NEIC	IX	05 03 08 45.0–1.3	12.9N–.10	145.1E–.10	10–1	4.9b,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**05 04 36 44.5–1.3**	**12.3N–.20**	**144.3E–.40**	**30**	**3.7b**	**7**	**22-92**
IDC	IX	05 04 36 39.8–1.4	12.35N	144.38E	0	3.7b,3.7		**¶621086379**
ISC	Event type se.							
IDC	Error ellipse: s-maj=59.6km s-min=23.1km az=90.0.							
ISC	**IX**	**04 23 03 09.5–.47**	**12.22N–.03**	**144.30E–.04**	**15–2**	**5.3b,4.9s**	**845**	**14-168**
IDC	IX	04 23 03 07.5–.44	12.22N	144.30E	0	4.9b,4.9		**¶621035434**
MOS	IX	04 23 03 07.0–.89	12.21N	144.25E	10	5.5b,5.1s		
BJI	IX	04 23 03 07.6	12.29N	144.13E	5	5.3b,5.2s		

NEIC IX 04 23 03 08.8–1.4 12.27N–.08 144.34E–.10 9–3 5.4b,5.2
GFZ IX 04 23 03 09.9 12.21N 144.28E 23 5.3W,5.2
GFZ IX 04 23 03 09.9–.19 12N–3.0 144E–4.0 10 5.3,5.2b
GCMT IX 04 23 03 13.9–.10 12.03N–.01 144.15E–.01 15–0 5.3W,5.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.01 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-0.39 $M_{r\theta}$-0.12 $M_{\theta\phi}$-0.57 $M_{\phi r}$-0.43 NP1: ϕ_s63.73463°,δ36.89849°,λ111.32428°. NP2:ϕ_s217.71542°,δ55.99301°,λ74.72937°. Principal axes: T 1.1341,Plg73.9362°,Azm85.4128°; N 0.0123,Plg12.6111°,Azm226.3973°; P -1.1464,Plg9.7874°,Azm318.6091° $M_0$1.14033×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109042303A. Moment Tensor Solution. s101,c165; s125,c247;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$-0.50±.01; $M_{\phi\phi}$-0.29±.01; $M_{r\theta}$-0.07±.03; $M_{\theta\phi}$-0.61±.01; $M_{\phi r}$0.36±.03; Best double couple: NP1: ϕ_s252.00000°,δ44.00000°,λ124.00000°. NP2:ϕ_s28.00000°,δ55.00000°,λ61.00000°. Principal axes: T 0.9570,Plg66.0000°,Azm241.0000°; N 0.0800,Plg23.0000°,Azm46.0000°; P -1.0370,Plg6.0000°,Azm138.0000° $M_0$0.99700×10^{17}

ISC IX 06 06 17 05.2–.71 12.86N–.10 145.6E–.10 10 4.3b 18 14-71
IDC IX 06 06 17 03.4–1.2 13.07N 145.54E 0 3.9b,3.9 **¶621094235**
NEIC IX 06 06 17 06.1–.61 12.8N–.10 145.5E–.20 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC IX 05 21 19 44.3–1.4 11.90N 142.43E 0 3.6s,3.5b
¶621086421

IDC Error ellipse: s-maj=51.2km s-min=30.9km az=95.0.

ISC IX 11 14 19 12.1–.42 11.94N–.06 144.40E–.08 29 4.7b,3.3s 88 2-148
BJI IX 11 14 19 06.6 11.60N 144.67E 24 5.1b,4.8b **¶621070374**
IDC IX 11 14 19 09.6–.74 12.17N 144.14E 0 4.3b,4.3
NEIC IX 11 14 19 10.2–2.3 12.02N–.09 144.3E–.10 10–1 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 08 03 03 49.0–.69 13.3N–.10 142.6E–.10 10 5.0b 28 16-83
NEIC IX 08 03 03 49.8–1.1 13.3N–.10 142.6E–.20 10–1 5.1b **¶621105760**
IDC IX 08 03 03 50.0–8.3 12.91N 142.37E 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=18.1km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=326.1km s-min=32.6km az=78.0.

ISC IX 12 22 57 02.5–.37 12.26N–.05 144.05E–.07 10 4.7b,4.4s 162 2-149
IDC IX 12 22 57 00.6–.53 12.29N 144.14E 0 4.5b,4.5 **¶621070911**
NEIC IX 12 22 57 03.0–1.7 12.27N–.07 144.0E–.10 10–1 4.7b,4.5
DJA IX 12 22 57 03.4–2.2 12N–5.0 144E–5.0 20–15 5.7b,5.2
GCMT IX 12 22 57 08.7–.20 12.05N–.02 144.00E–.02 17–0 5.0W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109122257A. Moment Tensor Solution. s53,c76; s99,c171; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.38±.17 $M_{\theta\theta}$-1.92±.11; $M_{\phi\phi}$-1.46±.11; $M_{r\theta}$0.16±.27; $M_{\theta\phi}$-2.34±.08; $M_{\phi r}$1.90±.28; Best double couple: NP1:ϕ_s248.00000°,δ38.00000°,λ123.00000°. NP2:ϕ_s29.00000°,δ59.00000°,λ67.00000°. Principal axes: T 4.1080,Plg68.0000°,Azm252.0000°; N 0.1980,Plg19.0000°,Azm41.0000°; P -4.3070,Plg11.0000°,Azm135.0000° $M_0$4.20800×10^{16}

ISC IX 14 21 28 13.8–.72 12.0N–.10 143.7E–.10 25 4.4b 45 2-93
NEIC IX 14 21 28 12.4–1.4 12.0N–.10 143.7E–.10 10–1 4.6b **¶621110851**
IDC IX 14 21 28 16.0–2.8 11.93N 143.84E 45–25 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=12.9km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.9km s-min=19.2km az=117.0.

ISC IX 13 04 10 21.2–.47 12.08N–.06 144.31E–.10 29 4.6b 56 2-148
NEIC IX 13 04 10 19.2–1.7 12.09N–.05 144.2E–.10 10–1 4.8b **¶621109695**
IDC IX 13 04 10 24.6–1.9 12.11N 144.33E 58–17 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=3.5km az=293.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=12.9km az=98.0.

ISC IX 14 00 49 04.3–.90 12.0N–.10 143.1E–.10 31 4.1b 29 2-92
NEIC IX 14 00 49 04.3–.26 11.7N–.10 143.20E–.08 35–2 4.1b **¶621110813**
IDC IX 14 00 49 05.7–3.0 12.01N 143.17E 45–30 4.0L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=10.7km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=18.3km az=106.0.

ISC IX 27 08 59 08.4–.55 11.93N–.07 143.9E–.10 26 4.1b 37 2-94
IDC IX 27 08 59 05.2–.82 11.98N 143.75E 0 3.9b,3.9 **¶621140697**
NEIC IX 27 08 59 06.7–1.4 11.97N–.09 143.9E–.10 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC IX 23 18 55 09.6–10 12.51N 146.14E 0 3.7b,3.7
¶621125874

IDC Error ellipse: s-maj=436.9km s-min=24.3km az=84.0.

ISC IX 17 00 29 03.0–.67 12.22N–.07 144.4E–.10 29 4.3b 29 1-92
NEIC IX 17 00 29 00.9–.60 12.18N–.08 144.3E–.20 10–1 4.5b **¶621112921**
IDC IX 17 00 29 07.0–1.9 12.25N 144.84E 78–21 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=11.6km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.6km s-min=18.8km az=86.0.

ISC IX 18 17 21 15.9–.81 12.4N–.10 144.2E–.10 27 4.0b,3.6s 32 1-92
IDC IX 18 17 21 18.4–2.2 12.40N 144.21E 49–22 3.8,3.6b **¶621113580**
NEIC IX 18 17 21 18.2–1.2 12.5N–.10 144.1E–.20 35–2 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 19 14 44 49.3–.46 12.37N–.06 143.99E–.10 27 4.3b,3.2s 42 1-149
NEIC IX 19 14 44 49.0–.91 12.38N–.07 143.9E–.10 19–1 4.7b,3.2s **¶621113627**
IDC IX 19 14 44 51.5–2.3 12.32N 144.02E 45–22 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=4.4km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.2km s-min=15.0km az=103.0.

ISC IX 27 01 23 41.2–1.4 12.2N–.20 143.9E–.20 35 4.2b 17 2-94
IDC IX 27 01 23 33.7–1.4 11.73N 143.81E 0 4.1L,4.1b **¶621140673**
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=21.6km az=161.0.

ISC IX 28 22 31 06.3–1.4 12.0N–.20 144.1E–.30 26 3.8b 9 2-92
IDC IX 28 22 31 03.7–1.6 11.97N 143.57E 0 4.0L,3.9b **¶621140849**
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=20.6km az=131.0.

IDC X 06 14 20 51.1–8.4 13.81N 146.85E 0 3.5s,3.4b
¶621217153

IDC Error ellipse: s-maj=317.6km s-min=28.4km az=83.0.

ISC X 09 08 35 04.6–.82 12.8N–.10 144.1E–.10 10 3.9b 13 1-89
IDC X 09 08 35 03.5–.82 12.79N 143.89E 0 4.0b,4.0 **¶621235316**
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=15.1km az=104.0.

ISC X 09 16 10 00.8–.41 12.91N–.06 143.81E–.08 150 4.5b 64 1-149
NEIC X 09 16 09 55.3–2.0 12.99N–.04 143.6E–.10 85–7 4.7b **¶621235335**
IDC X 09 16 09 59.6–.55 12.95N 143.78E 134–5 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=3.3km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.1km s-min=9.3km az=123.0.

ISC X 09 08 48 55.6–.85 12.8N–.10 144.0E–.10 10 3.9b,3.1s 15 1-92
IDC X 09 08 48 54.5–.79 12.72N 143.87E 0 4.1b,4.1 **¶621235317**
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=15.7km az=113.0.

ISC X 09 21 28 44.7–.52 13.78N–.08 146.23E–.07 35 4.5b,3.1s 60 1-145
NEIC X 09 21 28 45.8–1.6 13.8N–.10 146.22E–.07 35–1 4.7b,3.1s **¶621235350**
IDC X 09 21 28 46.6–2.9 13.76N 146.17E 55–23 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=11.3km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.6km s-min=13.2km az=90.0.

ISC X 09 17 14 49.8–.83 13.5N–.10 143.47E–.09 35 4.5b 16 1-67
IDC X 09 17 14 45.1–1.2 13.68N 143.22E 0 3.8b,3.8 **¶622499542**
NEIC X 09 17 14 58.1–.99 12.9N–.10 145.1E–.20 83–9 4.6b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC X 12 09 20 35.1–.56 12.95N–.07 144.2E–.10 10 4.6b 40 1-69
DJA X 12 09 20 28.8–7.5 15N–39 145E–27 110–47 5.7b,5.6 **¶626703659**
NEIC X 12 09 20 34.4–.92 12.89N–.07 144.2E–.10 10–1 4.6b,5.6
IDC X 12 09 20 35.0–1.2 12.66N 144.27E 0 4.3b,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=7.4km az=298.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=94.1km s-min=14.6km az=116.0.

IDC X 14 11 30 26.5–13 13.96N 146.96E 0 3.9b,3.9
¶621240635

IDC Error ellipse: s-maj=356.9km s-min=54.0km az=174.0.

ISC X 16 04 17 17.0–.60 12.04N–.09 143.13E–.09 31 4.6b,3.1s 48 2-149
IDC X 16 04 17 12.0–.70 11.99N 143.04E 0 4.6L,4.3b **¶621242102**
NEIC X 16 04 17 18.1–2.1 12.1N–.10 143.2E–.10 27–6 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC X 15 22 08 46.2–.42 12.76N–.07 147.82E–.07 35 4.4b,3.1s 65 3-145
IDC X 15 22 08 41.0–.85 12.81N 148.00E 0 5.0L,4.0b **¶621242089**
NEIC X 15 22 08 43.1–1.3 12.81N–.08 147.94E–.05 10–4 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC X 14 09 57 04.0–3.3 12.57N 142.89E 0 3.5b,3.5
¶621240630

IDC Error ellipse: s-maj=166.3km s-min=24.4km az=88.0.

ISC X 16 04 19 02.0–.97 12.1N–.20 143.0E–.20 31 4.1b,3.4s 8 2-89
IDC X 16 04 18 57.2–.98 12.07N 143.02E 0 3.9b,3.9 **¶621242103**
ISC Event type se.
IDC Error ellipse: s-maj=47.0km s-min=23.2km az=101.0.

ISC X 21 11 14 19.2–.71 12.1N–.10 143.8E–.10 26 4.3b 28 2-92
IDC X 21 11 14 15.8–1.1 12.13N 143.57E 0 4.1b,4.1 **¶621261406**
NEIC X 21 11 14 17.0–1.6 12.06N–.07 143.84E–.10 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XI 02 06 41 49.2–.92 12.3N–.10 144.0E–.20 27 3.9b,3.5s 14 2-92
IDC XI 02 06 41 45.1–.90 12.21N 143.84E 0 4.0b,4.0 **¶621401329**
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=16.5km az=117.0.

ISC X 25 14 57 40.0–1.4 12.1N–.20 144.6E–.40 29 3.7b 6 33-70
IDC X 25 14 57 35.6–1.4 12.08N 144.62E 0 3.5b,3.5 **¶621366437**
ISC Event type se.
IDC Error ellipse: s-maj=56.1km s-min=22.0km az=92.0.

ISC X 31 13 42 06.4–.60 13.08N–.10 143.97E–.10 138 4.0b 40 1-89
IDC X 31 13 42 06.5–1.2 13.13N 143.98E 136–12 3.8,3.4b **¶621395251**
NEIC X 31 13 42 07.2–.60 13.2N–.10 144.00E–.09 138–6 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC X 29 13 35 03.1–.91 13.1N–.20 143.5E–.10 200 3.3b 9 1-88
IDC X 29 13 35 03.4–1.1 13.06N 143.56E 205–14 3.7,3.1b **¶621391443**
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=14.9km az=94.0.

ISC X 28 05 42 23.4–.62 13.2N–.10 143.86E–.09 138 4.2b 41 1-149
IDC X 28 05 42 22.0–1.5 13.12N 143.76E 128–10 4.1,3.9s **¶621391388**
NEIC X 28 05 42 24.5–.70 13.4N–.20 143.9E–.10 137–9 4.4b,3.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC X 29 16 54 58.8–2.9 12.0N–.20 143.2E–.60 31 3.8b 7 33-70
IDC X 29 16 54 53.5–2.6 12.04N 143.39E 0 3.7b,3.7 **¶621391449**
ISC Event type se.
IDC Error ellipse: s-maj=89.3km s-min=24.4km az=82.0.

ISC XI 13 03 32 06.8–.81 12.0N–.10 143.7E–.10 25 4.6b 43 2-99
IDC XI 13 03 32 02.9–.80 12.04N 143.57E 0 4.2b,4.2 **¶621468580**
NEIC XI 13 03 32 06.1–1.3 12.19N–.09 143.64E–.04 10–2 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XI 06 22 39 22.2–1.3 11.7N–.20 142.1E–.30 35 3.5b 9 32-150
IDC XI 06 22 39 19.5–1.3 11.62N 141.55E 0 3.5b,3.5 **¶621416006**
ISC Event type se.
IDC Error ellipse: s-maj=53.3km s-min=22.0km az=76.0.

ISC XII 01 19 52 24.5–.61 11.99N–.08 144.1E–.10 10 4.4b 33 2-94
IDC XII 01 19 52 22.5–.97 11.86N 144.10E 0 3.9b,3.9 **¶621629843**
NEIC XII 01 19 52 25.2–1.5 12.00N–.03 144.2E–.20 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XI 24 03 34 38.3–1.4 12.8N–.10 146.1E–.40 50 3.7b 9 1-71
IDC XI 24 03 34 31.3–1.5 12.86N 146.25E 0 3.7b,3.7 **¶621613958**
ISC Event type se.
IDC Error ellipse: s-maj=56.8km s-min=22.1km az=88.0.

ISC XI 14 18 58 40.6–.86 13.1N–.10 143.3E–.10 200 3.6b 13 2-91
IDC XI 14 18 58 41.9–.67 13.12N 143.67E 225–11 3.9,3.4b **¶621468731**
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=13.0km az=90.0.

IDC XI 18 00 26 21.9–1.5 13.65N 143.33E 0 3.5b,3.5
¶621532450

IDC Error ellipse: s-maj=33.4km s-min=20.4km az=172.0.

ISC XI 18 12 53 07.0–.55 12.14N–.07 144.4E–.10 10 4.7b,3.0s 53 1-148
IDC XI 18 12 53 05.6–.70 12.15N 144.37E 0 4.2b,4.2 **¶621532480**
NEIC XI 18 12 53 07.4–2.1 12.07N–.08 144.5E–.10 10–1 4.8b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC XII 04 03 24 25.7–1.4 13.82N 146.29E 0 3.7b,3.7
¶621630633

IDC Error ellipse: s-maj=57.3km s-min=28.7km az=102.0.

IDC XII 17 02 29 44.9–5.9 11.48N 142.80E 184–37 4.3,3.8b
¶621656907

IDC Error ellipse: s-maj=135.7km s-min=47.2km az=147.0.

ISC XII 04 05 50 17.1–.43 12.28N–.06 143.94E–.09 27 4.6b 52 2-149

IDC XII 04 05 50 13.4–.51 12.29N 143.83E 0 4.4b,4.4 **¶621630642**
NEIC XII 04 05 50 16.8–1.5 12.31N–.08 143.9E–.10 20–6 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 26 20 31 13.1–1.6 12.04N 144.61E 0 3.9s,3.5b
¶621700248
IDC Error ellipse: s-maj=85.0km s-min=16.5km az=100.0.
ISC XII 19 02 13 12.5–.84 12.4N–.10 144.0E–.20 27 4.2b 30 1-95
IDC XII 19 02 13 08.2–.82 12.35N 143.91E 0 3.9b,3.9 **¶621657049**
NEIC XII 19 02 13 14.4–.86 12.4N–.10 144.1E–.20 38–11 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 24 13 24 10.5–1.4 13.21N 141.82E 0 4.1L,3.4
¶621700087
IDC Error ellipse: s-maj=32.0km s-min=23.8km az=160.0.
ISC XII 30 16 32 58.1–.59 12.23N–.09 143.68E–.10 35 4.1b 45 2-92
IDC XII 30 16 32 53.2–.93 12.28N 143.49E 0 3.8b,3.8 **¶621726016**
NEIC XII 30 16 32 57.1–1.7 12.34N–.07 143.68E–.08 20–6 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SEISMIC REGION 18.
Guam to Japan.

(211) Southeast of Honshu.

ISC VII 01 15 39 53.3–.79 30.66N–.09 139.0E–.10 411 3.7b 34 3-79
JMA VII 01 15 39 52.5–.31 31N–2.0 139E–4.0 447 3.7 **¶620927677**
IDC VII 01 15 39 52.2–.92 30.48N 138.66E 392–13 4.0,3.4b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=36.0km s-min=13.0km az=66.0.
JMA VII 03 16 49 33.9–.30 31N–1.0 143E–3.0 62 3.5
¶626139134
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC VII 05 19 04 16.9–.67 30.41N–.06 139.4E–.10 400 3.4b 31 3-82
IDC VII 05 19 04 15.7–.70 30.36N 138.94E 374–11 3.8,3.1b **¶620927980**
JMA VII 05 19 04 17.4–.25 31N–2.0 140E–4.0 416 3.7,3.1b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC VII 06 14 18 60.0–.58 30.39N–.07 138.68E–.09 440 4.0b 45 3-78
JMA VII 06 14 18 59.8–.23 30N–2.0 139E–2.0 452 3.0 **¶620928040**
IDC VII 06 14 19 00.1–2.6 30.35N 138.65E 440–30 3.8,3.0b
NEIC VII 06 14 19 00.8–1.2 30.36N–.06 138.7E–.10 443–10 4.1b,3.0b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 07 08 12 58.2–1.3 31.50N–.09 141.8E–.20 29 3.6b 13 2-55
IDC VII 07 08 12 52.6–2.0 31.81N 142.52E 0 3.5b,3.5 **¶620928093**
JMA VII 07 08 12 59.4–.49 32N–2.0 142E–2.0 55 3.8,3.5
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC VII 07 19 03 54.7–.75 31.93N–.06 141.66E–.09 26 4.1s,4.0b 35 2-93
IDC VII 07 19 03 53.0–.98 31.99N 141.66E 0 4.0s,3.7b **¶620928135**
NEIC VII 07 19 03 54.0–1.1 31.96N–.09 141.70E–.09 10–1 4.2b,3.7b
JMA VII 07 19 03 58.3–.33 32N–1.0 142E–1.0 57 3.1,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC VII 08 11 17 27.5–.44 31.94N–.03 143.68E–.04 16–2 5.2b,4.2s 801 3-161
IDC VII 08 11 17 24.9–.35 31.91N 143.72E 0 4.9b,4.9 **¶620773514**
GFZ VII 08 11 17 25.0–.50 32N–3.0 144E–6.0 10 5.3b,5.1
BJI VII 08 11 17 25.0 32.01N 143.66E 7 4.8b,4.8b
MOS VII 08 11 17 25.2–.83 31.93N 143.60E 11 5.2b,4.8b
NEIC VII 08 11 17 27.1–1.3 31.96N–.06 143.68E–.09 10–1 5.2b,4.8b
JMA VII 08 11 17 29.9–.32 32.0N–.90 143E–2.0 60 5.4,4.9
GCMT VII 08 11 17 32.5–.40 32.02N–.04 143.45E–.03 24–1 4.9W,4.9
BGR VII 08 11 17 34.9 32.29N 142.22E 33 5.2b,4.9s
ISC Event type ke.
IDC Error ellipse: s-maj=9.6km s-min=7.9km az=78.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=7.7km s-min=3.8km az=118.8.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.6km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107081117A. Moment Tensor Solution. s21,c25; s59,c83; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.32±.27 $M_{\theta\theta}$0.01±.17; $M_{\phi\phi}$2.31±.17; $M_{r\theta}$0.08±.27; $M_{\theta\phi}$-1.06±.08; $M_{\phi r}$1.52±.19; Best double couple: NP1:ϕ_s324.00000°,δ32.00000°,λ-115.00000°. NP2:ϕ_s172.00000°,δ61.00000°,λ-75.00000°. Principal axes: T 3.0880,Plg15.0000°,Azm251.0000°; N -0.2610,Plg13.0000°,Azm345.0000°; P -2.8280,Plg70.0000°,Azm114.0000° $M_0$2.95800×10^{16}
BGR Event type ke.
IDC VII 09 10 10 22.6–1.4 30.03N 141.93E 228–16 3.2,2.7b
¶620928256
IDC Error ellipse: s-maj=62.8km s-min=19.6km az=85.0.
ISC VII 11 08 45 23.1–.80 32.61N–.07 139.15E–.09 219–6 3.3b 37 1-94
JMA VII 11 08 45 23.0–.34 33N–1.0 139E–2.0 223–2 3.4 **¶620787431**
IDC VII 11 08 45 22.0–.69 32.41N 138.89E 206–9 3.8,3.3b
ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
IDC Error ellipse: s-maj=29.4km s-min=10.6km az=71.0.
ISC VII 11 09 05 51.4–.64 32.08N–.07 138.09E–.06 380 3.4b 44 2-95
JMA VII 11 09 05 52.5–.46 32N–3.0 138E–2.0 397–4 3.3 **¶620928415**
IDC VII 11 09 05 52.0–.68 32.04N 138.02E 388–7 3.8,3.1b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=17.8km s-min=11.8km az=68.0.
ISC VII 11 09 57 58.5–.74 29.05N–.07 142.5E–.10 27 3.8b,3.2s 19 2-83
IDC VII 11 09 57 54.9–.80 29.12N 142.54E 0 3.7b,3.7 **¶620928418**
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=11.4km az=82.0.
ISC VII 12 13 48 32.3–.38 31.99N–.04 141.76E–.05 35 4.6b,3.9s 279 2-154
BJI VII 12 13 48 25.7 31.94N 141.91E 13 4.7b,4.6b **¶620802617**
IDC VII 12 13 48 27.7–.50 32.00N 141.72E 0 4.3b,4.3
MOS VII 12 13 48 28.4–1.0 32.06N 141.79E 16 5.0b,4.3
GFZ VII 12 13 48 29.8–.28 32N–3.0 142E–4.0 10 4.6b,4.3
NEIC VII 12 13 48 29.4–1.3 32.02N–.06 141.82E–.07 10–1 4.7b,4.3
JMA VII 12 13 48 31.5–.30 32N–1.0 142E–1.0 72 4.1,4.3
NIED VII 12 13 48 31.5 32.08N 141.81E 72 4.4W,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=10.5km az=68.0.
MOS Error ellipse: s-maj=11.5km s-min=5.2km az=118.7.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.7km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.83 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-3.97 $M_{r\theta}$3.30 $M_{\theta\phi}$1.24 $M_{\phi r}$1.59 NP1:ϕ_s137.00000°,δ49.00000°,λ35.00000°. NP2:ϕ_s22.00000°,δ64.00000°,λ133.00000°. $M_0$5.10000×10^{15}
ISC VII 12 13 59 00.2–.00 31.87N–.10 141.6E–.20 26 3.8b 11 2-56
IDC VII 12 13 58 57.4–.94 31.98N 141.59E 0 3.7b,3.7 **¶620928493**
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=13.2km az=79.0.
ISC VII 13 23 58 51.4–.43 31.07N–.04 141.44E–.07 37 4.3b,3.4s 101 2-149
IDC VII 13 23 58 46.6–.49 31.05N 141.38E 0 4.1b,4.1 **¶620823843**
NIED VII 13 23 58 48.0 31.09N 141.64E 23 4.6W,4.1
JMA VII 13 23 58 48.0–.46 31N–2.0 142E–2.0 23 4.1,4.1
NEIC VII 13 23 58 49.2–1.4 31.11N–.07 141.6E–.10 19–4 4.5b,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.98 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-2.01 $M_{r\theta}$-3.39 $M_{\theta\phi}$0.06 $M_{\phi r}$7.56 NP1:ϕ_s194.00000°,δ8.00000°,λ127.00000°. NP2:ϕ_s337.00000°,δ84.00000°,λ85.00000°. $M_0$8.52000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 15 02 29 01.3–.82 30.08N–.09 142.9E–.20 10 3.7b 13 3-84
IDC VII 15 02 28 59.8–.87 30.09N 143.11E 0 3.7,3.6b **¶620928621**
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=15.1km az=77.0.
ISC VII 15 14 03 59.9–.48 33.29N–.03 139.50E–.05 10 4.1b,3.7s 46 0-148
NIED VII 15 14 03 58.9 33.29N 139.50E 14 4.6W,3.7s **¶620830007**
JMA VII 15 14 03 58.9–.11 33.3N–.30 139.5E–.90 14–2 4.4,3.9
IDC VII 15 14 03 58.3–.63 33.15N 139.49E 0 4.0b,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.20 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$5.10 $M_{r\theta}$1.27 $M_{\theta\phi}$-0.82 $M_{\phi r}$6.10 NP1:ϕ_s333.00000°,δ22.00000°,λ-124.00000°. NP2:ϕ_s189.00000°,δ72.00000°,λ-77.00000°. $M_0$7.85000×10^{15}
JMA Event type fe. NEAR HACHIJOJIMA ISLAND .
IDC Error ellipse: s-maj=15.4km s-min=12.6km az=22.0.
ISC VII 16 04 19 57.6–.34 33.22N–.02 139.62E–.03 14–1 5.3b,5.1s 1229 0-161
BJI VII 16 04 19 49.6 33.11N 140.27E 10 5.5s,5.4b **¶625560846**
NIED VII 16 04 19 57.0 33.27N 139.48E 16 5.4W,5.4b
JMA VII 16 04 19 57.0–.08 33.3N–.20 139.5E–.70 16–1 5.4,5.4W
IDC VII 16 04 19 57.0–1.3 33.16N 139.55E 10–7 5.0,4.9b
GFZ VII 16 04 19 57.6 33.26N 139.58E 10 5.4W,4.9b
PTWC VII 16 04 19 57 33.20N 139.60E 21 5.6,4.9b
NEIC VII 16 04 19 58.0–1.6 33.28N–.05 139.53E–.05 12–0 5.4b,4.9b
NEIC VII 16 04 19 57.6 33.29N 139.48E 8 5.4b,4.9b
MOS VII 16 04 19 57.0–.89 33.33N 139.45E 14 5.4s,5.4b
GFZ VII 16 04 19 57.6–.11 33N–2.0 140E–2.0 10 5.7b,5.2b
NEIC VII 16 04 19 58 33.09N 139.96E 12 5.4,5.2b
GCMT VII 16 04 19 59.5–.10 33.19N–.01 139.54E–.01 12 5.4W,5.2b
BGR VII 16 04 20 01.3 33.52N 140.70E 14–1 5.8,5.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.16 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$1.49 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.18 $M_{\phi r}$0.48 NP1:ϕ_s13.00000°,δ37.00000°,λ-61.00000°. NP2:ϕ_s158.00000°,δ58.00000°,λ-110.00000°. $M_0$1.48000×10^{17}
JMA Event type fe. NEAR HACHIJOJIMA ISLAND .
IDC Error ellipse: s-maj=9.8km s-min=7.5km az=52.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$1.56 $M_{r\theta}$-0.14 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.22 NP1: ϕ_s142.49328°,δ60.27700°,λ-133.16117°. NP2:ϕ_s24.62793°,δ50.69393°,λ-39.84894°. Principal axes: T 1.6346,Plg5.5858°,Azm261.5717°; N -0.7023,Plg36.4452°,Azm167.4299°; P -0.9323,Plg52.9885°,Azm359.0258° $M_0$1.42024×10^{17}
PTWC IZU ISLANDS, JAPAN REGION.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.1km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
MOS Error ellipse: s-maj=6.4km s-min=3.3km az=115.5.
GFZ Error ellipse: s-maj=4.8km s-min=4.1km az=139.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$1.59 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.52 $M_{\phi r}$-0.07 NP1:ϕ_s23.01000°,δ57.50000°,λ-33.92000°. NP2:ϕ_s132.88000°,δ61.92000°,λ-142.48000°. Principal axes: T 1.7095,Plg3.0000°,Azm257.0000°; N -0.0308,Plg44.0000°,Azm164.0000°; P -1.6787,Plg45.0000°,Azm350.0000° $M_0$1.69000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107160419A. Moment Tensor Solution. s101,c174; s161,c300;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.02 $M_{\theta\theta}$-0.92±.02; $M_{\phi\phi}$1.94±.02; $M_{r\theta}$-0.13±.05; $M_{\theta\phi}$-0.50±.02; $M_{\phi r}$0.80±.04; Best double couple: NP1: ϕ_s349.00000°,δ31.00000°,λ-93.00000°. NP2:ϕ_s172.00000°,δ59.00000°,λ-88.00000°. Principal axes: T 2.2270,Plg14.0000°,Azm260.0000°; N -1.0020,Plg1.0000°,Azm351.0000°; P -1.2220,Plg76.0000°,Azm86.0000° $M_0$1.72500×10^{17}
BGR Event type ke.
ISC VII 16 04 30 00.0–1.5 33.29N–.04 139.47E–.05 1–10 4.0b 61 0-150
IDC VII 16 04 29 59.1–.81 32.97N 139.41E 0 3.9b,3.9 **¶620928678**
JMA VII 16 04 30 01.0–.09 33.3N–.20 139.4E–.60 12–1 3.7,3.9
NEIC VII 16 04 30 02.3–2.1 33.21N–.06 139.42E–.04 10–1 4.2b,3.9
ISC Event type ke.
JMA Event type fe. NEAR HACHIJOJIMA ISLAND .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA VII 16 04 30 24.1–.22 33.3N–.80 140E–2.0 18 3.4
¶626151031
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
ISC VII 16 04 54 06.7–1.2 33.21N–.06 139.7E–.10 35 15 0-94
IDC VII 16 04 54 04.5–1.2 33.12N 139.40E 0 4.3s,3.7b **¶620928679**
JMA VII 16 04 54 05.5–.11 33.2N–.50 139.5E–.80 18–2 3.6,3.7b
ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
ISC VII 16 04 54 55.1–1.1 33.31N–.04 139.52E–.06 12–7 4.2b 79 0-150
IDC VII 16 04 54 53.5–.49 33.44N 139.68E 0 4.0b,4.0 **¶620928682**
NIED VII 16 04 54 54.8 33.23N 139.47E 10 4.3W,4.0
JMA VII 16 04 54 54.8–.15 33.2N–.40 139.5E–.80 10–2 4.3,4.2
NEIC VII 16 04 54 55.1–1.1 33.27N–.08 139.48E–.04 10–1 4.5b,4.2
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.34 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$2.52 $M_{r\theta}$-1.21 $M_{\theta\phi}$-0.61 $M_{\phi r}$1.70 NP1:ϕ_s4.00000°,δ28.00000°,λ-62.00000°. NP2:ϕ_s153.00000°,δ65.00000°,λ-104.00000°. $M_0$3.26000×10^{15}
JMA Event type fe. NEAR HACHIJOJIMA ISLAND .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 16 05 05 41.1–.78 33.36N–.06 139.6E–.10 22 3.9s,3.6b 16 0-83
IDC VII 16 05 05 38.9–1.1 33.11N 139.42E 0 3.8s,3.7b **¶626151066**
JMA VII 16 05 05 39.6–.17 33.3N–.50 139E–1.0 14–2 3.3,3.7b
ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
ISC VII 16 05 09 52.3–.64 33.28N–.05 139.59E–.08 22 3.7b 31 0-94
IDC VII 16 05 09 49.7–.69 33.35N 139.63E 0 3.7b,3.7 **¶626151072**
NIED VII 16 05 09 50.6 33.22N 139.47E 17 4.2W,3.7
JMA VII 16 05 09 50.6–.14 33.2N–.40 139E–1.0 17–2 4.2,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.68 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$2.01 $M_{r\theta}$-0.78 $M_{\theta\phi}$-0.36 $M_{\phi r}$0.99 NP1:ϕ_s11.00000°,δ33.00000°,λ-58.00000°. NP2:ϕ_s154.00000°,δ63.00000°,λ-109.00000°. $M_0$2.28000×10^{15}
JMA Event type fe. NEAR HACHIJOJIMA ISLAND .
ISC VII 16 05 19 30.1–.95 33.32N–.06 139.46E–.10 10 3.5b 16 0-53
IDC VII 16 05 19 28.3–1.6 33.04N 139.36E 0 3.5b,3.5 **¶626151080**
JMA VII 16 05 19 29.9–.09 33.3N–.20 139.5E–.70 15–1 3.3,3.5
ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
ISC VII 16 05 20 44.5–.77 33.34N–.04 139.52E–.08 10 3.7b,3.6s 18 0-66
JMA VII 16 05 20 43.9–.20 33.3N–.40 139E–2.0 14–3 3.4,3.6s **¶620928688**
IDC VII 16 05 20 43.1–1.2 33.06N 139.45E 0 3.7s,3.6b
ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
IDC Error ellipse: s-maj=18.6km s-min=12.8km az=8.0.
ISC VII 16 05 26 42.9–.67 33.33N–.04 139.63E–.09 22 3.6b 23 0-150
IDC VII 16 05 26 40.1–.94 33.27N 139.53E 0 3.7b,3.7 **¶626151085**
NIED VII 16 05 26 40.2 33.30N 139.45E 11 4.0W,3.7
JMA VII 16 05 26 40.2–.08 33.3N–.20 139.5E–.50 11–1 3.5,3.7

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.85 $M_{\theta\theta}$0.30 $M_{\phi\phi}$0.55 $M_{r\theta}$0.19 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.48 NP1:ϕ_s303.00000°,δ40.00000°,λ-125.00000°. NP2:ϕ_s166.00000°,δ58.00000°,λ-64.00000°. $M_0$1.00000×10^{15}
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .

ISC	**VII**	**16 05 29 09.9–.93**	**33.26N–.04**	**139.59E–.07**	**19–3**	**3.6b**	**27**	**0-150**	
IDC	VII	16 05 29 05.8–1.2	32.89N	139.51E	0	3.7b,3.7			**¶620928691**
NIED	VII	16 05 29 08.6	33.23N	139.50E	14	3.9W,3.7			
JMA	VII	16 05 29 08.6–.08	33.2N–.20	139.5E–.70	14–1	3.5,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.09 $M_{\theta\theta}$1.13 $M_{\phi\phi}$5.95 $M_{r\theta}$1.29 $M_{\theta\phi}$-2.09 $M_{\phi r}$6.06 NP1:ϕ_s325.00000°,δ28.00000°,λ-121.00000°. NP2:ϕ_s179.00000°,δ66.00000°,λ-75.00000°. $M_0$9.23000×10^{14}
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .

ISC	**VII**	**16 05 50 14.5–1.4**	**33.22N–.05**	**139.49E–.06**	**6–9**	**3.8b**	**34**	**0-150**	
IDC	VII	16 05 50 13.4–.68	33.11N	139.46E	0	3.7b,3.7			**¶620928693**
JMA	VII	16 05 50 15.3–.14	33.3N–.40	139.5E–.70	7–2	4.0,3.8			
NIED	VII	16 05 50 15.3	33.26N	139.47E	7	4.2W,3.8			

ISC Event type ke.
IDC Error ellipse: s-maj=15.0km s-min=10.7km az=18.0.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.04 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$1.15 $M_{r\theta}$-1.31 $M_{\theta\phi}$0.00 $M_{\phi r}$1.23 NP1:ϕ_s19.00000°,δ23.00000°,λ-37.00000°. NP2:ϕ_s144.00000°,δ76.00000°,λ-108.00000°. $M_0$2.08000×10^{15}

ISC	**VII**	**16 05 51 43.6–.51**	**33.27N–.04**	**139.61E–.08**	**22**	**4.2b**	**64**	**0-150**	
JMA	VII	16 05 51 42.0–.12	33.2N–.40	139.5E–.80	13–2	3.9			**¶620928694**
NIED	VII	16 05 51 42.0	33.24N	139.48E	13	4.3W			
IDC	VII	16 05 51 41.1–.59	33.38N	139.70E	0	3.9b,3.9			
NEIC	VII	16 05 51 42.6–1.3	33.29N–.07	139.55E–.06	10–1	4.4b,3.9			

ISC Event type ke.
JMA Event type fe. NEAR HACHIJOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.78 $M_{\theta\theta}$0.18 $M_{\phi\phi}$1.60 $M_{r\theta}$-0.66 $M_{\theta\phi}$-0.08 $M_{\phi r}$2.03 NP1:ϕ_s5.00000°,δ20.00000°,λ-72.00000°. NP2:ϕ_s166.00000°,δ71.00000°,λ-96.00000°. $M_0$2.72000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**16 06 01 49.2–.63**	**33.21N–.05**	**139.42E–.06**	**10**	**3.8b**	**43**	**0-94**	
IDC	VII	16 06 01 47.5–.86	33.23N	139.39E	0	4.0L,3.7			**¶620928695**
JMA	VII	16 06 01 49.8–.11	33.3N–.30	139.5E–.70	11–1	3.8,3.7			
NEIC	VII	16 06 01 49.2–.74	33.11N–.09	139.39E–.05	10–2	4.3b,3.7			
NIED	VII	16 06 01 49.8	33.26N	139.47E	11	4.2W,3.7			

ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=11.2km az=28.0.
JMA Event type fe. NEAR HACHIJOJIMA ISLAND .
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.6km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.11 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$1.25 $M_{r\theta}$-1.12 $M_{\theta\phi}$-0.05 $M_{\phi r}$1.31 NP1:ϕ_s19.00000°,δ24.00000°,λ-42.00000°. NP2:ϕ_s149.00000°,δ74.00000°,λ-108.00000°. $M_0$2.08000×10^{15}

ISC	**VII**	**16 06 04 38.3–1.6**	**33.13N–.05**	**139.35E–.05**	**8–9**	**3.6b**	**33**	**0-150**	
IDC	VII	16 06 04 37.1–.75	33.07N	139.31E	0	3.7L,3.7b			**¶626151123**
JMA	VII	16 06 04 40.7–.12	33.2N–.50	139.5E–.90	18–2	3.7,3.7b			
NIED	VII	16 06 04 40.7	33.23N	139.48E	18	4.0W,3.7b			

ISC Event type ke.
IDC Error ellipse: s-maj=14.0km s-min=10.8km az=13.0.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.79 $M_{\theta\theta}$0.02 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.29 $M_{\theta\phi}$-0.05 $M_{\phi r}$0.59 NP1:ϕ_s7.00000°,δ27.00000°,λ-67.00000°. NP2:ϕ_s162.00000°,δ65.00000°,λ-101.00000°. $M_0$1.02000×10^{15}

ISC	**VII**	**16 11 50 38.6–1.1**	**33.23N–.03**	**139.44E–.05**	**14–7**	**4.1b,3.6s**	**85**	**0-150**	
IDC	VII	16 11 50 37.0–.57	33.30N	139.46E	0	4.1L,3.7b			**¶626151414**
NIED	VII	16 11 50 38.7	33.24N	139.46E	10	4.5W,3.7b			
JMA	VII	16 11 50 38.7–.10	33.2N–.20	139.5E–.60	10–1	4.5,4.0			
NEIC	VII	16 11 50 39.3–.72	33.16N–.08	139.46E–.05	18–5	4.3b,4.0			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.16 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$4.54 $M_{r\theta}$-2.29 $M_{\theta\phi}$-0.53 $M_{\phi r}$4.89 NP1:ϕ_s20.00000°,δ22.00000°,λ-48.00000°. NP2:ϕ_s157.00000°,δ73.00000°,λ-105.00000°. $M_0$6.71000×10^{15}
JMA Event type fe. NEAR HACHIJOJIMA ISLAND .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**16 22 41 20.2–.53**	**33.29N–.04**	**139.52E–.06**	**22**	**3.6b,3.2s**	**35**	**0-94**	
IDC	VII	16 22 41 16.7–.66	33.25N	139.51E	0	3.7b,3.7			**¶620928735**
NIED	VII	16 22 41 18.4	33.30N	139.44E	13	4.2W,3.7			
JMA	VII	16 22 41 18.4–.14	33.3N–.30	139.4E–.90	13–2	3.8,3.7			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.85 $M_{\theta\theta}$0.64 $M_{\phi\phi}$1.21 $M_{r\theta}$0.94 $M_{\theta\phi}$-0.82 $M_{\phi r}$1.35 NP1:ϕ_s305.00000°,δ40.00000°,λ-133.00000°. NP2:ϕ_s176.00000°,δ62.00000°,λ-60.00000°. $M_0$2.34000×10^{15}
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .

ISC	**VII**	**16 22 50 38.8–.75**	**33.34N–.04**	**139.58E–.09**	**22**	**3.5b**	**21**	**0-57**	
IDC	VII	16 22 50 35.2–.95	33.06N	139.49E	0	3.5b,3.5			**¶620928736**
JMA	VII	16 22 50 37.9–.10	33.3N–.20	139.5E–.70	11–1	3.4,3.5			

ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .

ISC	**VII**	**18 12 39 38.3–1.7**	**33.07N–.06**	**140.8E–.10**	**54–19**	**3.1s**	**23**	**1-59**	
IDC	VII	18 12 39 35.4–1.2	32.62N	138.90E	0	3.5b,3.4			**¶620928815**
JMA	VII	18 12 39 38.8–.10	33.1N–.30	140.7E–.40	55–1	3.2,3.4			

ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.

ISC	**VII**	**18 21 56 18.7–.66**	**32.23N–.05**	**141.85E–.08**	**29**	**4.2b**	**50**	**2-85**	
IDC	VII	18 21 56 14.6–1.2	32.49N	142.18E	0	3.8b,3.8			**¶620928848**
NEIC	VII	18 21 56 17.3–1.4	32.24N–.08	141.74E–.09	10–1	4.6b,3.8			
JMA	VII	18 21 56 18.6–.28	32.3N–.90	142E–1.0	61	3.5,3.8			
NIED	VII	18 21 56 18.6	32.34N	141.85E	61	3.8W,3.8			

ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=10.8km az=67.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=6.7km az=43.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.72 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-3.59 $M_{r\theta}$3.12 $M_{\theta\phi}$0.35 $M_{\phi r}$1.30 NP1:ϕ_s154.00000°,δ41.00000°,λ46.00000°. NP2:ϕ_s26.00000°,δ62.00000°,λ121.00000°. $M_0$4.74000×10^{14}

ISC	**VII**	**21 20 37 11.9–.68**	**30.13N–.09**	**139.5E–.20**	**388**	**3.7b**	**26**	**3-82**	
IDC	VII	21 20 37 11.9–.66	30.12N	139.47E	387–10	4.0,3.3b			**¶620961681**

ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=8.5km az=72.0.

ISC	**VII**	**23 08 06 15.4–.61**	**30.59N–.05**	**141.5E–.10**	**28**	**4.1b**	**44**	**3-94**	
IDC	VII	23 08 06 11.3–.84	30.62N	141.56E	0	3.9b,3.8			**¶620967899**
NEIC	VII	23 08 06 13.3–1.8	30.50N–.07	141.4E–.20	10–1	4.3b,3.8			
JMA	VII	23 08 06 14.1–.17	30.7N–.70	142E–2.0	50	3.9,3.8			
NIED	VII	23 08 06 14.1	30.73N	141.83E	50	3.9W,3.8			

ISC Event type ke.
IDC Error ellipse: s-maj=31.8km s-min=10.5km az=70.0.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=9.9km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.72 $M_{\theta\theta}$1.56 $M_{\phi\phi}$-6.28 $M_{r\theta}$4.70 $M_{\theta\phi}$0.87 $M_{\phi r}$5.83 NP1:ϕ_s147.00000°,δ29.00000°,λ34.00000°. NP2:ϕ_s27.00000°,δ74.00000°,λ115.00000°. $M_0$9.39000×10^{14}

ISC	**VII**	**23 21 55 48.4–.59**	**31.73N–.07**	**139.64E–.08**	**150**	**4.3b**	**82**	**1-150**	
JMA	VII	23 21 55 48.5–.19	31.8N–.80	140E–1.0	162–1	3.8			**¶620845498**
NEIC	VII	23 21 55 49.7–1.4	31.8N–.10	139.6E–.10	152–6	4.4b			
IDC	VII	23 21 55 49.8–.98	31.79N	139.47E	162–7	3.8,3.4b			

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=13.2km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.4km s-min=13.6km az=65.0.

ISC	**VII**	**23 13 59 45.5–.65**	**32.43N–.07**	**137.99E–.06**	**376**	**3.7b**	**59**	**2-95**	
JMA	VII	23 13 59 44.0–.21	32N–2.0	138E–2.0	367	3.3			**¶620967919**
IDC	VII	23 13 59 44.2–.66	32.31N	137.89E	356–6	4.0,3.3b			

ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=13.0km s-min=10.8km az=44.0.

ISC	**VII**	**25 11 47 54.0–.49**	**29.83N–.06**	**137.51E–.07**	**517**	**3.9b**	**173**	**4-87**	
JMA	VII	25 11 47 52.6–.74	30N–5.0	138E–3.0	525	3.7			**¶620845933**
NEIC	VII	25 11 47 53.9–1.8	29.78N–.10	137.5E–.10	509–7	4.1b			
IDC	VII	25 11 47 54.3–1.0	29.90N	137.46E	512–11	4.2,3.2b			

ISC Event type ke.
JMA Event type ke. SHIKOKU BASIN .
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=13.3km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.9km s-min=9.9km az=93.0.

IDC	**VII**	**25 17 35 19.6–1.4**	**30.63N**	**140.30E**	**0**	**3.5b,3.3**			**¶620973781**

IDC Error ellipse: s-maj=36.1km s-min=23.4km az=71.0.

ISC	**VIII**	**03 08 56 57.3–.61**	**32.95N–.06**	**137.09E–.06**	**398–5**	**3.9b**	**89**	**1-86**	
JMA	VIII	03 08 56 56.7–.45	33N–2.0	137E–2.0	406–3	3.2			**¶620995864**
IDC	VIII	03 08 56 57.8–.58	33.05N	137.11E	400–8	4.1,3.4b			
NEIC	VIII	03 08 56 58.2–1.1	33.05N–.09	137.0E–.10	400–8	4.0b,3.4b			

ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**30 21 10 32.2–.40**	**29.48N–.04**	**142.39E–.06**	**24**	**4.5b,3.9s**	**251**	**2-151**	
BJI	VII	30 21 10 26.3	29.51N	142.52E	5	4.8b,4.5b			**¶620923866**
GFZ	VII	30 21 10 29.2–.31	29N–3.0	143E–4.0	10	4.7b,4.7			
NEIC	VII	30 21 10 30.3–1.8	29.56N–.09	142.5E–.10	10–1	4.6b,4.7			
MOS	VII	30 21 10 32.1–1.3	29.52N	142.42E	33	4.7b,4.7			
IDC	VII	30 21 10 34.8–1.6	29.48N	142.30E	38–13	4.2,4.1b			
JMA	VII	30 21 10 34.4–.31	30N–1.0	143E–1.0	69	4.3,4.1b			
NIED	VII	30 21 10 34.4	29.89N	142.67E	69	4.2W,4.1b			

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=15.4km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=16.2km s-min=6.2km az=115.9.
IDC Error ellipse: s-maj=15.8km s-min=9.9km az=81.0.
JMA Event type ke. NEAR TORISHIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.06 $M_{\theta\theta}$-1.49 $M_{\phi\phi}$0.43 $M_{r\theta}$-1.54 $M_{\theta\phi}$1.86 $M_{\phi r}$0.76 NP1:ϕ_s159.00000°,δ33.00000°,λ145.00000°. NP2:ϕ_s279.00000°,δ72.00000°,λ62.00000°. $M_0$2.56000×10^{15}

ISC	**VIII**	**05 07 36 31.0–1.6**	**33.48N–.06**	**140.81E–.09**	**43–16**	**3.7b**	**26**	**1-72**	
IDC	VIII	05 07 36 24.7–1.1	33.46N	141.13E	0	3.7b,3.6			**¶620998790**
JMA	VIII	05 07 36 32.1–.07	33.6N–.30	140.7E–.30	48–1	3.6,3.6			

ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.

ISC	**VIII**	**04 14 49 41.8–.52**	**32.60N–.05**	**141.91E–.06**	**39**	**4.3b**	**91**	**2-82**	
IDC	VIII	04 14 49 37.2–.74	32.76N	142.00E	0	3.9b,3.9			**¶620997312**
NEIC	VIII	04 14 49 38.8–1.1	32.62N–.07	141.78E–.08	10–1	4.4b,3.9			
NIED	VIII	04 14 49 39.6	32.74N	141.98E	72	3.9W,3.9			
JMA	VIII	04 14 49 39.6–.35	33N–1.0	142E–2.0	72	3.7,3.9			

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.45 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-5.43 $M_{r\theta}$5.43 $M_{\theta\phi}$0.52 $M_{\phi r}$-1.22 NP1:ϕ_s14.00000°,δ39.00000°,λ137.00000°. NP2:ϕ_s140.00000°,δ65.00000°,λ59.00000°. $M_0$7.38000×10^{14}
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.

ISC	**VIII**	**06 02 06 30.8–.84**	**31.27N–.06**	**141.9E–.10**	**29**	**3.8b**	**25**	**3-93**	
IDC	VIII	06 02 06 27.9–1.2	31.31N	141.91E	0	3.8b,3.8			**¶620998847**
JMA	VIII	06 02 06 29.1–.24	31.3N–.90	142E–1.0	30	3.8,3.8			

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .

JMA	**VIII**	**06 07 10 07.9–.29**	**30.3N–.70**	**141E–2.0**	**26–3**	**3.9**			**¶626292042**

JMA Event type ke. NEAR TORISHIMA IS .

ISC	**VIII**	**06 20 45 44.6–1.0**	**31.92N–.10**	**137.8E–.10**	**450**	**3.0b**	**23**	**2-55**	
JMA	VIII	06 20 45 42.1–.43	32N–4.0	138E–3.0	457	3.6			**¶620998922**
IDC	VIII	06 20 45 43.9–1.1	31.86N	137.75E	434–28	3.6,2.7b			

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=55.4km s-min=15.2km az=64.0.

JMA	**VIII**	**07 23 15 10.5–.63**	**31N–3.0**	**141E–4.0**	**71**	**3.7**			**¶626293403**

JMA Event type ke. NEAR TORISHIMA IS .

ISC	**VIII**	**07 02 50 31.7–1.9**	**30.0N–.20**	**142.6E–.30**	**35**	**3.8b**	**10**	**4-54**	
IDC	VIII	07 02 50 28.6–2.5	29.61N	141.95E	0	3.7,3.6b			**¶621000697**

ISC Event type se.
IDC Error ellipse: s-maj=86.3km s-min=15.8km az=73.0.

ISC	**VIII**	**09 01 16 10.6–.91**	**31.3N–.10**	**140.8E–.20**	**10**	**3.6b**	**20**	**2-94**	
IDC	VIII	09 01 16 08.5–.76	31.19N	140.90E	0	3.7,3.6b			**¶621007211**
JMA	VIII	09 01 16 18.1–.70	32N–3.0	141E–2.0	7	3.5,3.6b			

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .

ISC	**VIII**	**09 01 29 22.6–.71**	**31.31N–.07**	**140.9E–.20**	**10**	**3.8b**	**27**	**2-102**	
IDC	VIII	09 01 29 21.3–.85	31.16N	140.58E	0	3.7b,3.7			**¶621007213**
JMA	VIII	09 01 29 29.2–.52	32N–2.0	141E–1.0	0	3.8,3.7			

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .

ISC	**VIII**	**12 20 50 24.0–1.1**	**32.75N–.07**	**141.92E–.10**	**50**	**4.2b**	**16**	**2-60**	
IDC	VIII	12 20 50 18.8–1.1	33.02N	142.17E	0	4.1b,4.0			**¶621009524**
JMA	VIII	12 20 50 22.9–.21	32.9N–1.0	141.9E–.90	54–4	3.4,4.0			

ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.

ISC	**VIII**	**09 00 11 17.8–.98**	**31.4N–.10**	**140.9E–.20**	**10**	**3.5b**	**11**	**2-94**	
IDC	VIII	09 00 11 16.1–1.0	31.29N	141.06E	0	3.5b,3.5			**¶621007209**
JMA	VIII	09 00 11 23.8–.67	32N–2.0	141E–3.0	13	3.5b,3.5			

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .

JMA	**VIII**	**09 18 16 08.3–.52**	**33N–2.0**	**142E–2.0**	**30**	**2.9**			
IDC	VIII	09 18 16 07.5–3.9	32.80N	140.45E	0	3.5b,3.3			**¶621007279**

JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=195.8km s-min=22.5km az=76.0.

ISC	**VIII**	**10 06 43 02.6–.76**	**29.91N–.07**	**140.1E–.10**	**200**	**3.4b**	**25**	**3-75**	
JMA	VIII	10 06 43 00.6–.12	29.9N–.80	140E–2.0	275	3.7			**¶621008100**
IDC	VIII	10 06 43 02.2–.89	29.97N	140.41E	204–18	3.8,3.2b			

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=69.4km s-min=8.3km az=73.0.

ISC	**VIII**	**13 01 52 41.5–.98**	**29.54N–.04**	**141.10E–.07**	**53–9**	**4.6b**	**215**	**3-152**	
IDC	VIII	13 01 52 40.3–1.9	29.55N	141.01E	41–17	4.4,4.2b			**¶620984711**
JMA	VIII	13 01 52 41.7–.07	29.7N–.60	141E–2.0	50	4.6,4.2b			
NEIC	VIII	13 01 52 43.0–2.7	29.54N–.07	141.1E–.10	59–7	4.6b,4.2b			

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**13 14 11 00.2–.99**	**30.80N–.10**	**137.7E–.10**	**489**	**3.4b**	**23**	**3-78**	
JMA	VIII	13 14 10 59.2–.20	31N–2.0	138E–2.0	511	3.4			**¶621012162**
IDC	VIII	13 14 11 02.8–7.7	31.11N	137.51E	489–39	3.8,3.0b			

ISC Event type ke.

JMA Event type ke. SHIKOKU BASIN .
IDC Error ellipse: s-maj=108.2km s-min=44.2km az=160.0.
JMA VIII 15 13 06 59.5–.32 32N–2.0 140E–3.0 313 3.5
¶626297737
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
ISC VIII 18 21 37 36.2–.86 29.6N–.10 141.6E–.30 10 3.8b 11 2-84
IDC VIII 18 21 37 35.7–1.0 29.60N 141.88E 0 3.8b,3.8 **¶621030421**
ISC Event type se.
IDC Error ellipse: s-maj=48.6km s-min=12.8km az=76.0.
ISC VIII 18 09 01 00.7–.85 30.49N–.09 139.0E–.10 350 3.0b 14 4-74
IDC VIII 18 09 00 59.9–1.1 30.53N 139.34E 360–20 3.7,3.0b **¶621030359**
JMA VIII 18 09 01 05.0–.20 30N–1.0 139E–2.0 339 3.1,3.0b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC VIII 17 05 00 24.0–1.9 29.52N 141.29E 0 3.7b,3.7
¶621030232
IDC Error ellipse: s-maj=117.8km s-min=16.0km az=71.0.
ISC VIII 18 09 44 08.3–.28 29.66N–.03 141.46E–.04 46–2 5.2b,4.2s 1006 3-163
BJI VIII 18 09 44 03.2 29.50N 141.99E 51 4.8b,4.8b **¶620996171**
GFZ VIII 18 09 44 04.5–.29 30N–2.0 142E–4.0 10 5.3b,4.9
JMA VIII 18 09 44 05.9–.09 29.7N–.70 142E–3.0 52 5.6,5.2
NIED VIII 18 09 44 05.9 29.69N 141.55E 52 5.2W,5.2
MOS VIII 18 09 44 06.3–1.1 29.63N 141.32E 40 5.4b,5.2
IDC VIII 18 09 44 07.5–1.1 29.52N 141.34E 40–8 5.0,4.8b
NEIC VIII 18 09 44 08.0–1.1 29.66N–.06 141.44E–.09 39–6 5.3b,5.1
GCMT VIII 18 09 44 11.1–.20 29.76N–.01 141.50E–.02 33–2 5.2W,5.1
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. NEAR TORISHIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.90 $M_{\theta\theta}$0.62 $M_{\phi\phi}$-3.52 $M_{r\theta}$-4.60 $M_{\theta\phi}$2.02 $M_{\phi r}$3.00 NP1:ϕ_s188.00000°,δ26.00000°,λ146.00000°. NP2:ϕ_s309.00000° ,δ76.00000°,λ68.00000°. M_o6.70000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108180944A. Moment Tensor Solution. s46,c70; s74,c120; Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.05±.20 $M_{\theta\theta}$1.09±.15; $M_{\phi\phi}$-2.14±.16; $M_{r\theta}$-6.63±.49; $M_{\theta\phi}$1.69±.11; $M_{\phi r}$2.73±.25; Best double couple: NP1:ϕ_s194.00000°,δ18.00000° ,λ168.00000°. NP2:ϕ_s295.00000°,δ86.00000°,λ72.00000°. Principal axes: T 7.7580,Plg46.0000°,Azm187.0000°; N -0.3350,Plg18.0000°,Azm296.0000° ; P -7.4230,Plg39.0000°,Azm41.0000° M_o7.59100×10^{16}
ISC VIII 18 09 50 07.4–.51 29.61N–.05 141.28E–.10 35 4.1b 47 3-150
IDC VIII 18 09 50 02.5–.62 29.62N 141.38E 0 3.8b,3.8 **¶621030364**
NEIC VIII 18 09 50 07.2–1.3 29.51N–.08 141.2E–.10 31–4 4.3b,3.8
JMA VIII 18 09 50 07.2–.12 29.7N–.90 141E–4.0 46 4.6,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC VIII 17 07 59 44.9–.43 32.60N–.05 141.90E–.05 10 4.6b,3.5s 108 2-148
BJI VIII 17 07 59 39.5 32.81N 142.56E 8 4.7b,4.4b **¶620990444**
IDC VIII 17 07 59 43.9–.60 32.68N 141.94E 0 4.1b,4.1
NEIC VIII 17 07 59 46.0–1.3 32.75N–.07 141.93E–.08 10–1 4.8b,4.1
GFZ VIII 17 07 59 46.9–.44 33N–10 142E–8.0 10 4.5b,4.5
NIED VIII 17 07 59 47.4 32.77N 141.91E 54 4.1W,4.5
JMA VIII 17 07 59 47.4–.26 32.8N–.90 142E–1.0 54 3.8,4.5
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.44 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-1.40 $M_{r\theta}$0.94 $M_{\theta\phi}$0.18 $M_{\phi r}$-0.50 NP1:ϕ_s11.00000°,δ37.00000°,λ128.00000°. NP2:ϕ_s148.00000° ,δ62.00000°,λ66.00000°. M_o1.76000×10^{15}
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC VIII 18 14 49 25.7–.89 29.64N–.08 141.2E–.20 50 3.6b 13 3-56
IDC VIII 18 14 49 19.6–1.4 29.63N 141.18E 0 3.5b,3.4 **¶621030383**
JMA VIII 18 14 49 23.8–.08 29.7N–.70 141E–3.0 47 4.1,3.4
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC VIII 23 21 18 50.3–.57 31.59N–.06 142.70E–.08 10 4.0b 67 3-93
NEIC VIII 23 21 18 50.3–1.4 31.53N–.08 142.7E–.10 10–1 4.2b **¶621049265**
IDC VIII 23 21 18 50.5–.76 32.00N 142.97E 0 3.9b,3.9
JMA VIII 23 21 18 54.4–.34 32N–1.0 143E–1.0 74 4.1,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC VIII 19 02 36 02.4–.47 29.56N–.06 141.3E–.10 46 4.0b 64 3-152
IDC VIII 19 02 35 55.9–.56 29.58N 141.42E 0 3.9b,3.9 **¶621039148**
NEIC VIII 19 02 36 02.8–1.9 29.50N–.06 141.31E–.07 41–6 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 19 03 59 28.6–.64 29.69N–.07 141.3E–.20 35 3.7b 23 3-150
IDC VIII 19 03 59 23.6–.69 29.56N 141.26E 0 3.7b,3.7 **¶621039154**
JMA VIII 19 03 59 26.9–.16 30N–1.0 141E–4.0 46 4.2,3.7
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC VIII 22 09 21 47.2–1.7 33.11N–.06 140.7E–.10 53–16 3.6b 21 1-57
IDC VIII 22 09 21 41.6–3.2 32.77N 140.25E 0 3.6b,3.5 **¶621043073**
JMA VIII 22 09 21 47.7–.08 33.2N–.30 140.6E–.40 63–1 3.4,3.5
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC VIII 25 10 45 44.9–.55 29.50N–.07 141.4E–.10 35 4.2b 37 2-119
IDC VIII 25 10 45 39.7–.64 29.51N 141.24E 0 3.9b,3.9 **¶621058926**
NEIC VIII 25 10 45 45.5–2.1 29.57N–.04 141.5E–.10 35–2 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 12 37 57.2–.41 29.64N–.03 141.52E–.05 41–3 4.8b,3.6s 416 3-152
NIED VIII 24 12 37 55.3 29.67N 141.53E 42 4.7W,3.6s **¶621002161**
JMA VIII 24 12 37 55.3–.08 29.7N–.60 142E–2.0 42 4.8,3.6s
MOS VIII 24 12 37 56.2–.98 29.59N 141.33E 49 4.9b,3.6s
NEIC VIII 24 12 37 56.9–.88 29.68N–.06 141.56E–.10 39–5 4.8b,3.6s
IDC VIII 24 12 37 57.5–1.8 29.58N 141.29E 40–14 4.3,4.1b
GFZ VIII 24 12 38 00.5–.54 30N–3.0 142E–5.0 68–5 4.8b,4.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.76 $M_{\theta\theta}$-1.00 $M_{\phi\phi}$0.23 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.27 $M_{\phi r}$0.20 NP1:ϕ_s95.00000°,δ28.00000°,λ80.00000°. NP2:ϕ_s287.00000° ,δ63.00000°,λ95.00000°. M_o1.11000×10^{16}
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 25 10 48 35.8–1.0 29.49N–.08 141.4E–.20 10 3.6b 8 2-80
IDC VIII 25 10 48 35.3–1.0 29.53N 141.36E 0 3.8,3.4b **¶621058927**
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=12.8km az=79.0.
ISC VIII 25 10 53 36.4–.49 29.63N–.06 141.29E–.10 35 4.2b 52 3-119
IDC VIII 25 10 53 31.2–.59 29.63N 141.42E 0 3.9b,3.9 **¶621058929**
NEIC VIII 25 10 53 37.5–1.4 29.65N–.07 141.3E–.10 35–8 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA VIII 25 15 26 36.8–.09 29.7N–.80 141E–3.0 79 3.6
¶626304670
JMA Event type ke. NEAR TORISHIMA IS .
ISC VIII 25 11 34 05.0–1.5 29.4N–.20 141.3E–.60 10 3.2b 7 2-53
IDC VIII 25 11 34 04.4–1.1 29.44N 141.21E 0 3.6,3.3b **¶621058932**
ISC Event type se.
IDC Error ellipse: s-maj=58.6km s-min=12.8km az=75.0.
ISC VIII 25 06 59 02.7–2.6 33.0N–.20 138.3E–.20 350 15 1-47
JMA VIII 25 06 59 01.6–.44 33N–3.0 138E–2.0 331 3.1 **¶621058910**
IDC VIII 25 06 59 02.3–23 32.77N 138.36E 342–78 3.7,3.2b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=394.0km s-min=69.2km az=167.0.
JMA VIII 25 15 45 46.2–.11 29.7N–.80 142E–5.0 53 3.6
¶626304675
JMA Event type ke. NEAR TORISHIMA IS .
ISC VIII 26 15 28 29.4–.00 29.62N–.08 141.4E–.30 46 16 3-53
IDC VIII 26 15 28 25.9–1.2 29.49N 140.95E 0 3.4b,3.4 **¶621059002**
JMA VIII 26 15 28 29.6–.12 29.7N–.90 141E–5.0 52 3.7,3.4
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
JMA VIII 26 00 01 59.1–.43 31N–2.0 141E–2.0 52 3.6
¶626304901
JMA Event type ke. NEAR TORISHIMA IS .
ISC VIII 26 13 12 36.6–.56 30.10N–.07 138.90E–.09 421 3.7b 45 3-120
JMA VIII 26 13 12 35.0–.28 30N–2.0 139E–3.0 464 3.6 **¶621058997**
IDC VIII 26 13 12 37.5–.85 30.21N 138.74E 421–8 4.0,3.3b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=14.7km s-min=10.2km az=79.0.
ISC VIII 25 10 18 17.7–.26 29.70N–.03 141.44E–.03 48–1 5.5b,4.5s 1336 3-164
BJI VIII 25 10 18 11.0 29.56N 141.86E 39 5.0b,5.0b **¶621007046**
MOS VIII 25 10 18 14.8–.91 29.62N 141.36E 39 5.8b,4.8s
NIED VIII 25 10 18 15.2 29.73N 141.63E 52 5.1W,4.8s
JMA VIII 25 10 18 15.2–.07 29.7N–.50 142E–2.0 52 5.4,5.2W
IDC VIII 25 10 18 16.6–.90 29.55N 141.32E 38–6 5.2,5.0b
NEIC VIII 25 10 18 17.3 29.68N 141.45E 44 5.2,5.0b
NEIC VIII 25 10 18 17.2–1.5 29.67N–.06 141.43E–.08 40–5 5.5b,5.0b
GCMT VIII 25 10 18 19.4–.20 29.57N–.01 141.55E–.01 53–1 5.1W,5.0b
GFZ VIII 25 10 18 19.4–.10 30N–2.0 141E–2.0 57 5.4b,5.1
BGR VIII 25 10 18 21.4 30.49N 141.14E 41–3 5.3b,4.7s
NEIC VIII 25 10 18 21.8 29.48N 141.57E 46 5.1,4.7s
ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=4.0km az=110.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.75 $M_{\theta\theta}$4.63 $M_{\phi\phi}$1.12 $M_{r\theta}$0.19 $M_{\theta\phi}$-2.58 $M_{\phi r}$0.34 NP1:ϕ_s122.00000°,δ45.00000°,λ-84.00000°. NP2:ϕ_s294.00000° ,δ45.00000°,λ-96.00000°. M_o5.88000×10^{16}
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=8.7km s-min=6.5km az=76.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.4km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108251018A. Moment Tensor Solution. s86,c121; s126,c197;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.17±.14 $M_{\theta\theta}$4.77±.10; $M_{\phi\phi}$-0.59±.12; $M_{r\theta}$-1.19±.09; $M_{\theta\phi}$-2.50±.08; $M_{\phi r}$3.22±.08; Best double couple: NP1: ϕ_s264.00000°,δ40.00000°,λ-136.00000°. NP2:ϕ_s138.00000°,δ64.00000°,λ-59.00000°. Principal axes: T 6.2970,Plg13.0000°,Azm206.0000°; N -0.2220,Plg27.0000°,Azm303.0000° ; P -6.0720,Plg59.0000°,Azm93.0000° M_o6.18400×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.54 $M_{\theta\theta}$4.11 $M_{\phi\phi}$0.43 $M_{r\theta}$-0.69 $M_{\theta\phi}$-2.89 $M_{\phi r}$3.37 NP1:ϕ_s274.14000°,δ38.99000° ,λ-132.35000°. NP2:ϕ_s143.68000°,δ62.29000°,λ-61.40000°. Principal axes: T 6.2055,Plg13.0000°,Azm213.0000°; N 0.0914,Plg25.0000°,Azm309.0000° ; P -6.2969,Plg61.0000°,Azm99.0000° M_o6.25000×10^{16}
ISC VIII 25 17 09 14.7–1.6 32.0N–.10 142.5E–.20 50 3.5b 13 3-56
IDC VIII 25 17 09 03.5–3.0 32.32N 143.98E 0 3.4b,3.3 **¶621058949**
JMA VIII 25 17 09 13.3–.39 32N–2.0 142E–2.0 84 3.2,3.3
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC VIII 26 02 50 23.4–.61 29.63N–.05 141.4E–.10 35–2 4.1b 60 3-152
IDC VIII 26 02 50 17.8–.52 29.57N 141.35E 0 3.9b,3.9 **¶621058972**
JMA VIII 26 02 50 22.1–.08 29.6N–.80 141E–3.0 85 4.1,3.9
NEIC VIII 26 02 50 23.4–1.8 29.62N–.06 141.5E–.10 35–1 4.4b,3.9
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 11 14 23.9–1.7 29.6N–.20 141.7E–.60 46 3.8b 11 3-84
IDC VIII 26 11 14 19.4–1.3 29.52N 141.24E 0 3.7b,3.6 **¶621058990**
JMA VIII 26 11 14 23.7–.10 29.7N–.60 142E–2.0 50 3.7,3.6
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC VIII 29 02 18 08.4–1.4 32.9N–.10 143.3E–.10 10 3.7b 8 3-73
IDC VIII 29 02 18 24.6–6.5 32.92N 142.78E 139–47 3.7,3.2b **¶621073143**
ISC Event type se.
IDC Error ellipse: s-maj=76.4km s-min=24.4km az=73.0.
ISC VIII 26 13 33 33.9–.95 29.65N–.09 141.4E–.20 46 3.6b 13 3-84
IDC VIII 26 13 33 31.0–1.9 29.36N 140.08E 0 3.6b,3.6 **¶621058998**
JMA VIII 26 13 33 32.9–.17 29.7N–.80 141E–4.0 65 3.8,3.6
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
JMA VIII 29 09 04 51.5–.12 29.6N–.80 142E–4.0 52 3.9
¶626307444
JMA Event type ke. NEAR TORISHIMA IS .
ISC IX 10 02 10 24.2–.49 31.07N–.05 139.75E–.05 150 4.2b 120 2-151
NEIC IX 10 02 10 24.7–1.8 31.03N–.07 139.6E–.20 152–7 4.3b **¶621051056**
IDC IX 10 02 10 25.2–1.3 31.11N 139.48E 156–9 4.2,3.8b
JMA IX 10 02 10 27.2–.34 31N–2.0 140E–3.0 174–2 4.0,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC IX 05 08 57 08.1–.70 31.46N–.06 138.80E–.09 350 3.4b 36 2-81
IDC IX 05 08 57 08.0–1.0 31.57N 138.41E 322–16 3.9,3.2b **¶621086394**
JMA IX 05 08 57 07.4–.31 31N–2.0 139E–2.0 362 3.1,3.2b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC IX 01 15 01 29.3–.75 30.04N–.06 142.9E–.10 50 3.9b 26 3-149
IDC IX 01 15 01 22.7–.76 29.91N 143.38E 0 3.9,3.8b **¶621080629**
JMA IX 01 15 01 23.5–.23 30.1N–.40 143E–2.0 50 4.1,3.8b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC IX 02 13 51 08.4–.99 33.82N–.05 139.36E–.06 17–8 3.7b,3.0s 31 0-70
IDC IX 02 13 51 07.1–.85 33.76N 139.31E 0 3.7b,3.7 **¶621080686**
NIED IX 02 13 51 08.8 33.87N 139.35E 16 3.9W,3.7
JMA IX 02 13 51 08.8–.08 33.9N–.30 139.4E–.30 16–0 4.2,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.15 $M_{\theta\theta}$-3.89 $M_{\phi\phi}$5.04 $M_{r\theta}$1.68 $M_{\theta\phi}$-4.93 $M_{\phi r}$5.79 NP1:ϕ_s292.00000°,δ47.00000°,λ-174.00000°. NP2:ϕ_s198.00000° ,δ86.00000°,λ-43.00000°. M_o9.00000×10^{14}
JMA Event type fe. NEAR MIYAKEJIMA ISLAND .
ISC IX 08 02 31 58.1–.45 30.61N–.04 141.90E–.08 23 4.5b 108 3-149
IDC IX 08 02 31 54.6–.53 30.49N 141.89E 0 5.7s,4.1b **¶621105757**
JMA IX 08 02 31 56.3–.22 30.7N–.80 142E–2.0 27 4.6,4.1b
NEIC IX 08 02 31 57.4–1.2 30.62N–.06 141.9E–.10 14–4 4.6b,4.1b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 04 11 51.4–.48 29.33N–.03 142.12E–.04 24–2 5.5b,5.3s 1014 2-163
BJI IX 09 04 11 48.7 29.40N 142.08E 25 5.5s,5.4 **¶621044113**

GFZ IX 09 04 11 48.9–.32 29N–3.0 142E–4.0 10 5.8b,5.5b
NIED IX 09 04 11 49.9 29.41N 142.36E 40 5.6W,5.5b
JMA IX 09 04 11 49.9–.17 29.4N–.50 142E–3.0 40 5.6,5.4W
GFZ IX 09 04 11 49.4 29.33N 142.19E 12 5.3W,5.4W
NEIC IX 09 04 11 49.8–1.1 29.36N–.05 142.18E–.09 10–1 5.6b,5.4
IDC IX 09 04 11 50.9–2.4 29.25N 142.12E 20–14 5.3,5.2b
KEA IX 09 04 11 50.0 30.97N 143.89E 33 5.1s,5.2b
MOS IX 09 04 11 51.3–.85 29.35N 142.07E 32 5.7b,5.3s
GCMT IX 09 04 11 53.8–.10 29.35N–.01 142.29E–.01 21–0 5.4W,5.3s
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99 $M_{\theta\theta}$0.21 $M_{\phi\phi}$-1.21 $M_{r\theta}$-0.05 $M_{\theta\phi}$0.45 $M_{\phi r}$2.64 NP1:ϕ_s143.00000°,δ14.00000°,λ55.00000°. NP2:ϕ_s358.00000° ,δ79.00000°,λ98.00000°. M_o2.90000×10^{17}
JMA Event type ke. NEAR TORISHIMA IS .
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.54 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-0.71 $M_{r\theta}$0.06 $M_{\theta\phi}$0.19 $M_{\phi r}$0.76 NP1: ϕ_s148.04415°,δ23.13755°,λ57.59210°. NP2:ϕ_s2.66305°,δ70.62551°,λ102.89912°. Principal axes: T 0.9236,Plg62.2277°,Azm292.4648°; N 0.1648,Plg12.1571°,Azm178.3184° ; P -1.0884,Plg24.5605°,Azm82.6685° M_o1.01611×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090411A. Moment Tensor Solution. s105,c187; s133,c245;Duration: 1$\pm$0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.13$\pm$.03 $M_{\theta\theta}$-0.01$\pm$.02; $M_{\phi\phi}$-1.12$\pm$.02; $M_{r\theta}$-0.13$\pm$.03; $M_{\theta\phi}$0.49$\pm$.01; $M_{\phi r}$1.13$\pm$.04; Best double couple: NP1: ϕ_s147.00000°,δ25.00000°,λ69.00000°. NP2:ϕ_s350.00000°,δ67.00000°,λ99.00000°. Principal axes: T 1.6030,Plg67.0000°,Azm277.0000°; N 0.1340,Plg8.0000°,Azm166.0000° ; P -1.7330,Plg21.0000°,Azm73.0000° M_o1.66800×10^{17}

ISC	**IX**	**09 18 14 08.9–1.6**	**32.3N–.10**	**141.2E–.20**	**35**	**3.5b**	**10**	**1-56**
IDC	IX	09 18 14 03.5–2.0	32.18N	141.47E	0	3.5b,3.5	**¶621105899**	
JMA	IX	09 18 14 08.3–.51	33N–1.0	141.2E–1.0	2–3	3.1,3.5		

ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.

ISC	**IX**	**02 09 35 26.5–.69**	**29.78N–.05**	**141.7E–.10**	**37–1**	**4.2b,3.7s**	**66**	**3-152**
IDC	IX	02 09 35 22.6–.42	29.59N	141.33E	0	4.0b,4.0	**¶621080675**	
JMA	IX	02 09 35 26.7–.11	29.8N–.60	142E–3.0	70	4.2,4.0		
NEIC	IX	02 09 35 28.4–2.2	29.62N–.06	141.3E–.10	35–4	4.4b,4.0		

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**02 19 55 10.2–.53**	**29.19N–.05**	**142.0E–.10**	**30**	**4.3b,3.4s**	**73**	**2-149**
NEIC	IX	02 19 55 05.1–1.6	29.19N–.06	142.6E–.20	10–2	4.6b,3.4s	**¶621080700**	
IDC	IX	02 19 55 06.4–.62	29.16N	142.04E	0	4.1b,4.1		
NIED	IX	02 19 55 08.6	29.39N	142.35E	46	4.4W,4.1		
JMA	IX	02 19 55 08.6–.17	29.4N–.60	142E–4.0	46	4.1,4.1		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.72 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-1.89 $M_{r\theta}$0.25 $M_{\theta\phi}$0.34 $M_{\phi r}$3.91 NP1:ϕ_s157.00000°,δ14.00000°,λ65.00000°. NP2:ϕ_s3.00000° ,δ78.00000°,λ96.00000°. M_o4.33000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .

ISC	**IX**	**11 12 30 57.1–.78**	**32.80N–.06**	**139.21E–.08**	**202–6**	**3.5b**	**39**	**1-94**
IDC	IX	11 12 30 56.3–.68	32.64N	138.97E	193–6	3.7,3.3b	**¶621108584**	
NIED	IX	11 12 30 56.5	32.88N	139.38E	209	3.9W,3.3b		
JMA	IX	11 12 30 56.5–.21	32.9N–.50	139E–1.0	209–1	3.5,3.3b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.26 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$3.00 $M_{r\theta}$3.69 $M_{\theta\phi}$-2.30 $M_{\phi r}$-6.43 NP1:ϕ_s166.00000°,δ12.00000°,λ-74.00000°. NP2:ϕ_s330.00000° ,δ78.00000°,λ-93.00000°. M_o8.07000×10^{14}
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .

ISC	**IX**	**13 21 21 31.6–3.2**	**30.9N–.20**	**140.9E–.90**	**35**	**3.5b**	**7**	**2-55**
IDC	IX	13 21 21 27.7–2.2	30.67N	140.52E	0	3.4b,3.3	**¶621109724**	

ISC Event type se.
IDC Error ellipse: s-maj=95.1km s-min=16.1km az=81.0.

JMA	**IX**	**11 20 22 15.4–.08**	**29.9N–.60**	**142E–2.0**	**93**	**3.6**		
								¶626491706

JMA Event type ke. NEAR TORISHIMA IS .

ISC	**IX**	**12 05 32 03.2–.29**	**29.87N–.03**	**139.06E–.04**	**442–2**	**4.8b**	**912**	**3-169**
NIED	IX	12 05 32 01.9	29.97N	139.45E	454	5.0W	**¶621070432**	
BJI	IX	12 05 32 01.6	29.95N	139.03E	435	5.2b,5.1b		
MOS	IX	12 05 32 01.6–.73	29.84N	138.89E	432	4.9b,5.1b		
JMA	IX	12 05 32 01.9–.26	30N–1.0	139E–1.0	454–3	5.1,5.0W		
NEIC	IX	12 05 32 02.8–1.1	29.88N–.08	139.1E–.10	432–6	4.7b,5.0W		
GFZ	IX	12 05 32 03.4–.29	30N–3.0	139E–4.0	439–4	5.3b,5.0b		
IDC	IX	12 05 32 04.2–.45	29.92N	138.96E	446–4	5.2,4.4b		
BGR	IX	12 05 32 14.7	31.79N	139.16E	466	4.8b,4.4b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88 $M_{\theta\theta}$0.45 $M_{\phi\phi}$0.43 $M_{r\theta}$3.06 $M_{\theta\phi}$1.21 $M_{\phi r}$-0.12 NP1:ϕ_s14.00000°,δ22.00000°,λ-161.00000°. NP2:ϕ_s266.00000° ,δ83.00000°,λ-69.00000°. M_o3.37000×10^{16}
MOS Error ellipse: s-maj=7.7km s-min=3.8km az=111.4.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.3km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=8.7km s-min=6.3km az=68.0.
BGR Event type ke.

ISC	**IX**	**13 22 46 06.6–.20**	**32.48N–.02**	**137.83E–.02**	**378–1**	**5.5b**	**2456**	**1-168**
BGR	IX	13 22 45 22.5	31.50N	139.09E	392–3	6.1,5.8b	**¶621072594**	
PTWC	IX	13 22 46 05	32.30N	138.20E	385	5.7,5.8b		
JMA	IX	13 22 46 05.9–.20	32N–1.0	138.0E–.80	385–2	6.0,5.8W		
NIED	IX	13 22 46 05.9	32.46N	138.00E	385	5.9W,5.8W		
MOS	IX	13 22 46 05.3–.79	32.49N	137.85E	375	5.7b,4.9s		
BJI	IX	13 22 46 05.0	32.52N	137.65E	363	5.9b,5.8b		
NEIC	IX	13 22 46 06.4–1.8	32.48N–.07	137.86E–.08	370–1	5.9,5.6b		
IPGP	IX	13 22 46 06.0	32.43N	137.90E	376	5.9W,5.6b		
NEIC	IX	13 22 46 06.7	32.46N	137.87E	376	5.9W,5.6b		
IDC	IX	13 22 46 06.5–.39	32.51N	137.82E	375–3	5.7,4.9b		
GFZ	IX	13 22 46 06.8–.18	32N–1.0	138E–2.0	380–1	5.9b,5.6		
NEIC	IX	13 22 46 06.1	32.45N	137.87E	366	5.9b,5.6		
NEIC	IX	13 22 46 07.3	32.36N	137.99E	370	5.8,5.6		
GFZ	IX	13 22 46 07.1	32.46N	137.81E	384	5.8W,5.6		
GCMT	IX	13 22 46 08.6–.10	32.47N–.01	137.71E–.01	377–0	5.8W,5.6		

ISC Event type ke.
BGR Event type ke.
PTWC IZU ISLANDS, JAPAN REGION.
JMA Event type fe. FAR S OFF TOKAI DISTRICT.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$3.02 $M_{\phi\phi}$-2.16 $M_{r\theta}$0.34 $M_{\theta\phi}$-1.42 $M_{\phi r}$-6.38 NP1:ϕ_s77.00000°,δ22.00000°,λ-178.00000°. NP2:ϕ_s345.00000° ,δ89.00000°,λ-68.00000°. M_o6.74000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.94 $M_{\theta\theta}$2.14 $M_{\phi\phi}$-1.20 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.57 $M_{\phi r}$-7.79 NP1:ϕ_s82.61000°,δ7.04000°,λ179.68000°. NP2:ϕ_s172.93000°,δ89.96000° ,λ82.96000°. Principal axes: T 6.8647,Plg45.0000°,Azm76.0000°; N 1.9953,Plg7.0000° ,Azm173.0000°; P -8.8600,Plg45.0000°,Azm270.0000° M_o8.05000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s77.00000°,δ14.00000°,λ173.00000°. NP2:ϕ_s173.00000° ,δ88.00000°,λ76.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4$\pm$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64 $M_{\theta\theta}$3.27 $M_{\phi\phi}$-2.64 $M_{r\theta}$1.26 $M_{\theta\phi}$-1.21 $M_{\phi r}$-5.62 NP1:ϕ_s67.66000°,δ29.04000° ,λ-176.23000°. NP2:ϕ_s334.36000°,δ88.17000°,λ-61.02000°. Principal axes: T 5.4590,Plg37.0000°,Azm39.0000°; N 1.8849,Plg29.0000°,Azm153.0000° ; P -7.3440,Plg40.0000°,Azm271.0000° M_o6.61000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26 $M_{\theta\theta}$2.83 $M_{\phi\phi}$-2.57 $M_{r\theta}$0.75 $M_{\theta\phi}$-1.18 $M_{\phi r}$-5.41 NP1: ϕ_s159.96102°,δ89.10130°,λ63.95061°. NP2:ϕ_s68.12314°,δ26.06381°,λ177.95423°. Principal axes: T 4.9492,Plg40.2623°,Azm45.9491°; N 2.0204,Plg26.0459°,Azm160.4003° ; P -6.9697,Plg38.6167°,Azm273.3783° M_o6.21101×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202109132246A. Moment Tensor Solution. s143,c307; s111,c139;Duration: 2$\pm$0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.58$\pm$.04 $M_{\theta\theta}$3.37$\pm$.07; $M_{\phi\phi}$-2.79$\pm$.07; $M_{r\theta}$0.79$\pm$.06; $M_{\theta\phi}$-1.26$\pm$.06; $M_{\phi r}$-6.85$\pm$.06; Best double couple: NP1:ϕ_s70.00000°,δ23.00000°,λ178.00000°. NP2:ϕ_s162.00000°,δ89.00000°,λ67.00000°. Principal axes: T 6.0160,Plg41.0000°,Azm51.0000°; N 2.6270,Plg23.0000°,Azm162.0000° ; P -8.6390,Plg40.0000°,Azm273.0000° M_o7.32700×10^{17}

ISC	**IX**	**15 02 24 07.5–.79**	**30.03N–.08**	**140.0E–.20**	**450**	**3.2b**	**24**	**3-83**
JMA	IX	15 02 24 05.1–.20	30N–2.0	140E–3.0	448	3.1	**¶621111964**	
IDC	IX	15 02 24 07.7–1.1	30.06N	139.37E	414–17	3.8,3.0b		

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=66.8km s-min=15.1km az=79.0.

ISC	**IX**	**15 13 47 34.2–3.6**	**30.38N–.05**	**140.14E–.06**	**13–23**	**4.4b,3.9s**	**134**	**2-151**
IDC	IX	15 13 47 32.8–.48	30.39N	140.22E	0	4.0b,4.0	**¶621076739**	
NEIC	IX	15 13 47 33.5–1.0	30.44N–.06	140.19E–.08	10–1	4.7b,4.0		
MOS	IX	15 13 47 34.0–2.6	30.49N	140.68E	10	4.6b,4.0		
NIED	IX	15 13 47 35.9	30.64N	140.26E	114	4.6W,4.0		
JMA	IX	15 13 47 35.9–.31	31N–2.0	140E–4.0	114	4.0,4.0		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.46 $M_{\theta\theta}$0.67 $M_{\phi\phi}$3.79 $M_{r\theta}$-3.21 $M_{\theta\phi}$-5.85 $M_{\phi r}$4.35 NP1:ϕ_s319.00000°,δ25.00000°,λ-95.00000°. NP2:ϕ_s144.00000° ,δ65.00000°,λ-88.00000°. M_o8.36000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .

ISC	**IX**	**16 06 58 51.8–1.1**	**32.83N–.06**	**140.3E–.10**	**90–8**	**3.7b**	**26**	**0-93**
IDC	IX	16 06 58 51.2–1.5	32.70N	140.14E	83–11	3.6s,3.5	**¶621112874**	
JMA	IX	16 06 58 51.9–.10	32.9N–.30	140.4E–.80	86–1	3.3,3.5		

ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.

ISC	**IX**	**17 04 49 28.9–.64**	**30.25N–.07**	**138.8E–.10**	**411**	**3.6b**	**35**	**3-82**
IDC	IX	17 04 49 29.8–.88	30.44N	138.84E	419–11	4.0,3.3b	**¶621112933**	
JMA	IX	17 04 49 31.0–.45	30N–3.0	139E–3.0	438	3.8,3.3b		

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .

ISC	**IX**	**21 10 19 55.6–.36**	**29.64N–.03**	**142.41E–.03**	**12–1**	**5.2s,5.2b**	**960**	**3-153**
BGR	IX	21 10 19 51.5	28.26N	143.21E	33	5.4s,5.1b	**¶621093852**	
KEA	IX	21 10 19 51.4	28.58N	142.32E	33	5.2s,5.1b		
BJI	IX	21 10 19 52.8	29.61N	142.34E	10	5.5s,5.4		
IDC	IX	21 10 19 54.0–.39	29.50N	142.32E	0	5.1b,5.0		
MOS	IX	21 10 19 54.3–.93	29.63N	142.33E	10	5.5b,5.2s		
NIED	IX	21 10 19 54.4	29.71N	142.78E	44	5.5W,5.2s		
JMA	IX	21 10 19 54.4–.24	29.7N–.50	143E–3.0	44	5.8,5.3W		
GFZ	IX	21 10 19 54.8–.42	30N–3.0	143E–5.0	10	5.6b,5.5		
NEIC	IX	21 10 19 56.3–.93	29.65N–.05	142.39E–.07	10–1	5.2b,5.2		
GCMT	IX	21 10 20 00.3–.10	29.61N–.01	142.54E–.01	12–0	5.2W,5.2		

ISC Event type ke.
BGR Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-0.88 $M_{r\theta}$-0.59 $M_{\theta\phi}$0.18 $M_{\phi r}$1.40 NP1:ϕ_s183.00000°,δ16.00000°,λ114.00000°. NP2:ϕ_s338.00000° ,δ76.00000°,λ84.00000°. M_o1.75000×10^{17}
JMA Event type ke. NEAR TORISHIMA IS .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109211019A. Moment Tensor Solution. s82,c131; s137,c245;Duration: 1$\pm$0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70$\pm$.02 $M_{\theta\theta}$-0.02$\pm$.01; $M_{\phi\phi}$-0.68$\pm$.01; $M_{r\theta}$-0.17$\pm$.03; $M_{\theta\phi}$0.07$\pm$.01; $M_{\phi r}$0.43$\pm$.03; Best double couple: NP1: ϕ_s182.00000°,δ29.00000°,λ104.00000°. NP2:ϕ_s346.00000°,δ62.00000°,λ82.00000°. Principal axes: T 0.8430,Plg72.0000°,Azm238.0000°; N -0.0240,Plg7.0000°,Azm350.0000° ; P -0.8190,Plg16.0000°,Azm82.0000° M_o0.83100×10^{17}

ISC	**IX**	**16 21 54 45.2–1.6**	**33.6N–.20**	**138.3E–.20**	**300**	**3.0b**	**7**	**1-71**
JMA	IX	16 21 54 45.0–.31	33N–3.0	138E–1.0	296	3.5	**¶621112910**	
IDC	IX	16 21 54 47.5–6.0	33.79N	138.19E	305–30	3.5,2.9b		

ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=87.7km s-min=56.0km az=175.0.

ISC	**IX**	**17 06 23 50.8–.94**	**32.85N–.08**	**138.97E–.07**	**200**	**3.5b**	**24**	**1-94**
JMA	IX	17 06 23 50.8–.54	33N–2.0	139E–1.0	223–4	3.3	**¶621112938**	
IDC	IX	17 06 23 50.7–1.3	32.80N	138.54E	219–16	3.7,3.2b		

ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
IDC Error ellipse: s-maj=51.0km s-min=16.2km az=79.0.

ISC	**IX**	**17 12 35 38.4–.90**	**30.45N–.07**	**140.3E–.20**	**250**	**3.6b**	**26**	**3-74**
JMA	IX	17 12 35 35.8–.19	30N–1.0	140E–3.0	290	3.9	**¶621112961**	
IDC	IX	17 12 35 39.1–1.3	30.41N	140.08E	250–16	3.8,3.3b		

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=106.6km s-min=15.6km az=83.0.

ISC	**IX**	**19 14 49 53.2–.60**	**31.81N–.05**	**139.87E–.09**	**132**	**3.5b**	**32**	**1-94**
IDC	IX	19 14 49 54.9–.93	31.92N	139.73E	144–7	3.7,3.2b	**¶621113628**	
JMA	IX	19 14 49 56.5–.43	32N–2.0	140E–3.0	136–2	3.2,3.2b		

ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .

ISC	**IX**	**30 20 26 44.8–1.3**	**29.7N–.10**	**141.9E–.20**	**10**	**4.0b**	**22**	**4-63**
IDC	IX	30 20 26 42.9–3.3	29.66N	142.03E	0	3.8b,3.8	**¶621147784**	
NEIC	IX	30 20 26 45.7–.85	29.8N–.10	142.0E–.20	10–2	4.2b,3.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**24 10 07 30.5–.83**	**31.08N–.09**	**138.3E–.10**	**450**	**3.5b**	**25**	**2-78**
JMA	IX	24 10 07 28.2–.30	31N–2.0	138E–3.0	477	3.4	**¶621126427**	
IDC	IX	24 10 07 30.3–1.3	31.00N	138.17E	441–14	3.9,3.1b		

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=24.6km s-min=13.8km az=78.0.

ISC	**IX**	**24 16 40 14.4–.60**	**29.69N–.05**	**139.03E–.06**	**413–5**	**4.4b**	**366**	**3-154**
JMA	IX	24 16 40 13.0–.37	30N–1.0	139E–2.0	438–4	3.9	**¶621109745**	
GFZ	IX	24 16 40 14.1–.35	30N–6.0	139E–5.0	426	5.1b,4.5b		
IDC	IX	24 16 40 15.2–.93	29.70N	138.94E	420–9	4.7,3.9b		
NEIC	IX	24 16 40 15.3–1.9	29.71N–.09	138.9E–.10	414–6	4.3b,3.9b		

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**26 21 57 27.2–.54**	**29.49N–.09**	**139.14E–.09**	**445**	**3.9b**	**37**	**4-153**
NEIC	IX	26 21 57 26.8–.99	29.6N–.10	139.16E–.06	424–9	4.5b	**¶621131541**	
IDC	IX	26 21 57 26.2–1.0	29.57N	139.03E	419–26	3.9,3.0b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=6.2km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.4km s-min=31.4km az=39.0.

ISC	**IX**	**28 04 24 04.1–1.3**	**31.2N–.10**	**138.7E–.20**	**394**		**9**	**2-55**
JMA	IX	28 04 24 04.4–.69	31N–4.0	139E–2.0	338	3.1	**¶621140795**	
IDC	IX	28 04 24 04.4–2.3	31.16N	138.49E	400–93	3.6,2.9b		

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .

IDC Error ellipse: s-maj=243.0km s-min=62.7km az=71.0.
ISC IX 29 19 58 56.5–1.4 32.29N–.10 141.9E–.10 39 3.7b 13 2-56
IDC IX 29 19 58 49.2–1.6 32.47N 142.52E 0 3.6b,3.6 **¶621146394**
JMA IX 29 19 58 54.9–.50 32N–2.0 142E–2.0 59 3.4,3.6
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC IX 25 17 01 41.6–.36 29.10N–.04 141.79E–.07 30 4.5b,3.3s 193 2-151
NIED IX 25 17 01 40.9 29.12N 142.14E 39 4.2W,3.3s **¶621110130**
JMA IX 25 17 01 40.9–.18 29.1N–.80 142E–5.0 39 4.6,3.3s
IDC IX 25 17 01 41.8–2.6 29.00N 141.74E 28–17 4.0,3.9b
NEIC IX 25 17 01 43.2–1.6 29.04N–.05 141.8E–.10 35–4 4.6b,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.76 $M_{\theta\theta}$1.24 $M_{\phi\phi}$0.52 $M_{r\theta}$0.56 $M_{\theta\phi}$-0.78 $M_{\phi r}$-1.08 NP1:ϕ_s109.00000°,δ31.00000°,λ-116.00000°. NP2:ϕ_s318.00000° ,δ62.00000°,λ-75.00000°. M_o2.13000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 30 07 43 34.7–.97 31.8N–.10 141.3E–.10 26 4.1b 25 12-95
IDC IX 30 07 43 30.4–24 31.71N 141.29E 0 3.9b,3.9 **¶621147749**
NEIC IX 30 07 43 35.8–.95 31.9N–.10 141.3E–.20 29–5 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 02 14 00 29.3–1.1 33.88N–.05 139.93E–.08 138–7 29 0-58
IDC X 02 14 00 28.7–1.2 33.91N 140.08E 135–6 3.5,3.0b **¶621186066**
JMA X 02 14 00 30.9–.14 33.9N–.40 139.9E–.50 129–1 3.0,3.0b
ISC Event type ke.
JMA Event type ke. FAR S OFF BOSO PENINSULA.
ISC X 02 16 17 18.3–.50 29.47N–.05 142.54E–.09 24 4.1b 63 2-149
NEIC X 02 16 17 15.4–1.5 29.38N–.04 142.6E–.10 10–1 4.4b **¶621186079**
IDC X 02 16 17 16.4–.61 29.53N 142.58E 0 3.8b,3.8
NIED X 02 16 17 19.4 29.67N 142.13E 57 4.2W,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=3.5km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=11.4km az=80.0.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.37 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$0.27 $M_{r\theta}$-1.74 $M_{\theta\phi}$0.98 $M_{\phi r}$0.89 NP1:ϕ_s152.00000°,δ14.00000°,λ127.00000°. NP2:ϕ_s293.00000° ,δ79.00000°,λ82.00000°. M_o2.12000×10^{15}
ISC X 03 08 11 15.2–.71 32.15N–.08 141.52E–.10 26 4.4b 30 2-87
IDC X 03 08 11 11.3–4.1 32.00N 141.20E 0 4.0b,3.8 **¶621186121**
JMA X 03 08 11 13.2–.72 32N–3.0 142E–2.0 56 3.6,3.8
NEIC X 03 08 11 18.4–.82 32.3N–.10 141.35E–.04 37–8 4.6b,3.8
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 03 48 12.1–1.4 32.0N–.10 141.7E–.10 26 3.6b 9 2-56
IDC X 16 03 48 05.3–1.9 32.30N 142.54E 0 3.5b,3.4 **¶621242100**
JMA X 16 03 48 11.2–.65 32N–3.0 142E–3.0 0 3.5b,3.4
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 07 16 44 21.0–.60 31.74N–.06 138.08E–.05 371–5 4.0b 180 2-121
IDC X 07 16 44 20.7–.70 31.76N 138.02E 368–5 4.0,3.3b **¶621131620**
NEIC X 07 16 44 21.4–1.3 31.73N–.08 138.06E–.10 370–5 4.0b,3.3b
JMA X 07 16 44 21.2–.51 32N–2.0 138E–1.0 386–4 3.4,3.3b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC X 08 01 25 10.7–.79 29.58N–.05 142.1E–.20 35 4.2b 49 2-84
IDC X 08 01 25 05.4–1.6 29.64N 142.48E 0 4.0b,4.0 **¶621224616**
NEIC X 08 01 25 08.5–1.5 29.67N–.08 142.21E–.09 10–1 4.4b,4.0
JMA X 08 01 25 09.7–.18 29.8N–.60 142E–5.0 51 4.1,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC X 11 13 00 12.0–1.7 33.22N–.06 140.9E–.10 56–16 3.9b 26 1-57
IDC X 11 13 00 10.6–1.0 32.73N 138.80E 0 3.8b,3.7 **¶621236885**
JMA X 11 13 00 12.7–.10 33.3N–.30 140.9E–.40 50–1 3.9,3.7
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 13 04 58 35.4–.54 30.77N–.07 138.83E–.07 400 3.9b 76 2-121
JMA X 13 04 58 32.7–.37 31N–2.0 139E–2.0 416–4 3.7 **¶621146560**
NEIC X 13 04 58 34.8–1.3 30.66N–.05 138.7E–.10 384–6 4.1b
IDC X 13 04 58 35.0–.77 30.83N 138.73E 384–7 4.3,3.5b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=6.7km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.3km s-min=11.1km az=82.0.
ISC X 13 06 23 37.1–2.2 32.4N–.10 141.7E–.10 35 3.9b 13 2-54
IDC X 13 06 23 28.5–2.5 32.31N 142.38E 0 3.9b,3.9 **¶621238953**
JMA X 13 06 23 35.5–.58 32N–2.0 142E–2.0 55 3.4,3.9
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 09 23 03 20.8–1.2 32.1N–.20 141.8E–.20 29 3.8b 8 4-73
IDC X 09 23 03 16.4–1.2 32.10N 141.80E 0 3.7b,3.6 **¶621235354**
JMA X 09 23 03 21.4–.46 32N–2.0 142E–2.0 69 3.7b,3.6
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 12 03 19 00.5–.53 30.07N–.03 142.87E–.05 16–2 5.2b,3.9s 633 3-160
BJI X 12 03 18 57.2 30.12N 142.96E 5 5.2b,4.8b **¶621146145**
IDC X 12 03 18 58.1–.45 30.00N 142.90E 0 4.8b,4.8
MOS X 12 03 18 59.1–.89 30.08N 142.84E 15 5.2b,4.0s
NIED X 12 03 18 59.1 30.03N 142.85E 64 4.5W,4.0s
JMA X 12 03 18 59.1–.20 30.0N–.50 143E–2.0 64 5.2,4.0s
NEIC X 12 03 19 00.6–2.2 30.14N–.07 142.83E–.10 10–1 5.2b,4.9
GFZ X 12 03 19 00.1–.14 30N–2.0 143E–3.0 10 5.8,5.7
GCMT X 12 03 19 03.7–.40 29.99N–.04 142.84E–.02 22–1 4.9W,5.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.24 $M_{\theta\theta}$-4.42 $M_{\phi\phi}$5.67 $M_{r\theta}$1.13 $M_{\theta\phi}$-3.28 $M_{\phi r}$-1.51 NP1:ϕ_s209.00000°,δ75.00000°,λ2.00000°. NP2:ϕ_s119.00000° ,δ88.00000°,λ165.00000°. M_o6.26000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110120319A. Moment Tensor Solution. s14,c15; s75,c104; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.36±.23 $M_{\theta\theta}$0.01±.13; $M_{\phi\phi}$2.35±.14; $M_{r\theta}$-0.63±.25; $M_{\theta\phi}$-0.54±.09; $M_{\phi r}$0.85±.17; Best double couple: NP1:ϕ_s357.00000°,δ35.00000° ,λ-74.00000°. NP2:ϕ_s158.00000°,δ57.00000°,λ-101.00000°. Principal axes: T 2.6560,Plg11.0000°,Azm256.0000°; N -0.0400,Plg9.0000°,Azm164.0000° ; P -2.6180,Plg76.0000°,Azm35.0000° M_o2.63700×10^{16}
IDC X 15 20 06 22.2–3.7 31.84N 141.37E 0 3.6b,3.6
¶621242082
IDC Error ellipse: s-maj=147.1km s-min=16.9km az=71.0.
ISC X 07 22 34 41.3–.51 29.49N–.06 141.2E–.10 50 4.1b 45 3-122
IDC X 07 22 34 34.9–.61 29.49N 141.06E 0 4.0b,3.9 **¶621217247**
NEIC X 07 22 34 42.2–.71 29.59N–.09 141.3E–.20 55–11 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 14 11 01 59.2–1.2 32.85N–.08 140.1E–.10 150 16 0-57
IDC X 14 11 01 46.7–2.1 32.33N 140.20E 0 3.2b,3.1 **¶621240634**
JMA X 14 11 02 00.4–.23 33.0N–.80 140E–1.0 135–1 3.0,3.1
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 24 06 45 37.7–.53 31.50N–.06 140.18E–.08 35 4.5b,3.9s 179 2-150
IDC X 24 06 45 31.2–.65 31.35N 140.24E 0 4.1b,4.0 **¶621238460**
GFZ X 24 06 45 35.7–.65 31N–4.0 140E–10 10 5.0b,4.7b
NIED X 24 06 45 35.1 31.56N 140.15E 18 4.6W,4.7b
NEIC X 24 06 45 37.6–1.1 31.53N–.09 140.3E–.10 35–6 4.6b,4.7b
MOS X 24 06 45 37.1–1.3 31.43N 140.06E 42 4.5b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=11.2km az=86.0.
GFZ Error ellipse: s-maj=22.3km s-min=8.3km az=101.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.62 $M_{\theta\theta}$-2.44 $M_{\phi\phi}$-1.18 $M_{r\theta}$-4.46 $M_{\theta\phi}$-2.12 $M_{\phi r}$-5.47 NP1:ϕ_s67.00000°,δ15.00000°,λ116.00000°. NP2:ϕ_s221.00000° ,δ76.00000°,λ83.00000°. M_o8.04000×10^{15}
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=11.7km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=12.6km s-min=6.0km az=115.2.
ISC X 20 23 00 38.1–1.6 32.91N–.09 142.0E–.10 40 3.5b 10 2-78
IDC X 20 23 00 35.4–4.4 32.70N 141.02E 0 3.5b,3.5 **¶621246617**
JMA X 20 23 00 36.8–.34 33N–1.0 142E–1.0 45 3.1,3.5
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 24 00 43 26.3–1.3 33.4N–.10 138.8E–.20 250 3.0b 12 1-57
IDC X 24 00 43 25.8–1.8 33.45N 138.83E 261–41 3.5,2.8b **¶621366367**
JMA X 24 00 43 26.7–.38 34N–2.0 138E–1.0 286–3 3.2,2.8b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
ISC X 16 15 30 54.5–.98 32.72N–.06 140.64E–.08 85–7 4.3b 66 1-73
NEIC X 16 15 30 53.7–1.8 32.61N–.07 140.83E–.05 82–8 4.5b **¶621242128**
IDC X 16 15 30 56.3–1.8 32.81N 140.52E 87–10 4.0,3.7s
JMA X 16 15 30 57.6–.08 32.8N–.20 140.4E–.60 84–1 3.9,3.7s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 21 08 36 47.6–.20 32.13N–.02 138.22E–.03 341–1 5.3b 1718 1-168
BJI X 21 08 36 44.0 32.13N 138.14E 313 5.6b,5.5b **¶621229682**
MOS X 21 08 36 45.8–.91 32.10N 138.18E 330 5.8b,5.5b
JMA X 21 08 36 45.6–.46 32N–2.0 138E–1.0 356–4 5.6,5.5W
NIED X 21 08 36 45.6 32.18N 138.45E 356 5.6W,5.5W
IDC X 21 08 36 46.9–.32 32.10N 138.20E 330–2 5.8,5.0b
NEIC X 21 08 36 48.0–1.6 32.11N–.07 138.16E–.08 336–4 5.3b,5.0b
NEIC X 21 08 36 47.3 32.10N 138.23E 334 5.3b,5.0b
NEIC X 21 08 36 47.8 32.20N 138.35E 360 5.5,5.0b
GFZ X 21 08 36 47.2–.22 32N–2.0 138E–3.0 337–2 5.9b,5.7
GFZ X 21 08 36 47.8 32.10N 138.23E 346 5.5W,5.7
GCMT X 21 08 36 49.8–.40 32.18N–.05 138.17E–.06 333–2 5.7W,5.7
BGR X 21 08 36 49.0 32.35N 138.94E 357–3 6.2,5.8b
ISC Event type ke.
MOS Error ellipse: s-maj=6.5km s-min=3.5km az=110.4.
JMA Event type fe. FAR S OFF TOKAI DISTRICT.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.28 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$0.95 $M_{r\theta}$-1.66 $M_{\theta\phi}$-0.46 $M_{\phi r}$-1.62 NP1:ϕ_s124.00000°,δ26.00000°,λ170.00000°. NP2:ϕ_s223.00000° ,δ86.00000°,λ65.00000°. M_o2.60000×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=5.3km az=75.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.4km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22 $M_{\theta\theta}$-1.07 $M_{\phi\phi}$0.84 $M_{r\theta}$-1.51 $M_{\theta\phi}$-0.32 $M_{\phi r}$-1.80 NP1:ϕ_s123.41000°,δ23.00000° ,λ172.44000°. NP2:ϕ_s220.38000°,δ87.05000°,λ67.18000°. Principal axes: T 2.5281,Plg43.0000°,Azm108.0000°; N 0.0672,Plg23.0000°,Azm222.0000° ; P -2.5953,Plg38.0000°,Azm331.0000° M_o2.56000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.47 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$0.49 $M_{r\theta}$-1.19 $M_{\theta\phi}$-0.27 $M_{\phi r}$-1.48 NP1: ϕ_s115.40495°,δ22.26790°,λ162.05433°. NP2:ϕ_s222.08937°,δ83.29506°,λ68.71639°. Principal axes: T 2.1148,Plg47.4707°,Azm109.7739°; N -0.0494,Plg21.1310°,Azm224.6936° ; P -2.0654,Plg34.8768°,Azm330.3213° M_o2.09058×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110210836A. Moment Tensor Solution. s68,c82;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.51±.15 $M_{\theta\theta}$-1.30±.21; $M_{\phi\phi}$0.79±.21; $M_{r\theta}$-2.64±.18; $M_{\theta\phi}$-0.90±.20; $M_{\phi r}$-2.89±.17; Best double couple: NP1:ϕ_s113.00000°,δ17.00000°,λ162.00000°. NP2:ϕ_s221.00000° ,δ85.00000°,λ74.00000°. Principal axes: T 3.8750,Plg48.0000°,Azm114.0000° ; N 0.5430,Plg16.0000°,Azm222.0000°; P -4.4180,Plg38.0000°,Azm325.0000° M_o4.14700×10^{17}
BGR Event type ke.
ISC X 20 18 14 51.8–1.4 32.91N–.08 141.8E–.10 40 3.5b 13 2-57
JMA X 20 18 14 50.0–.36 33N–1.0 142E–1.0 49 3.0 **¶621246611**
IDC X 20 18 14 53.9–4.2 32.87N 141.59E 53–36 3.3,3.3s
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=32.3km s-min=19.5km az=89.0.
ISC X 24 20 27 55.4–1.3 33.24N–.07 140.96E–.10 48 3.7b 17 1-57
IDC X 24 20 27 54.3–1.1 32.73N 138.80E 0 3.6b,3.5 **¶621366411**
JMA X 24 20 27 56.6–.14 33.3N–.60 140.9E–.60 47–2 3.2,3.5
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 25 06 44 43.9–.58 29.56N–.05 142.2E–.10 30 4.2b 59 2-94
NEIC X 25 06 44 41.1–.59 29.42N–.06 142.22E–.04 10–1 4.2b **¶621366427**
IDC X 25 06 44 41.2–1.1 29.62N 142.13E 0 4.0b,4.0
JMA X 25 06 44 43.9–.18 29.9N–.40 142E–4.0 46 4.2,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC X 24 23 56 23.6–1.1 31.4N–.10 138.3E–.10 392 3.1b 13 2-55
IDC X 24 23 56 23.4–.79 31.40N 138.39E 398–18 3.7,2.8b **¶621366415**
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=14.2km az=67.0.
ISC X 29 16 35 41.5–2.0 33.24N–.07 141.0E–.10 47–20 3.6b 26 1-57
IDC X 29 16 35 40.6–1.0 32.73N 138.84E 0 3.6b,3.6 **¶621391446**
JMA X 29 16 35 41.5–.15 33.3N–.60 140.9E–.60 55–2 3.4,3.6
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 28 08 46 31.3–1.1 29.95N–.09 139.2E–.10 421 3.1b 27 3-74
IDC X 28 08 46 31.5–1.8 29.88N 138.66E 414–31 3.8,2.9b **¶621391392**
JMA X 28 08 46 32.5–.47 30N–3.0 139E–2.0 428 3.4,2.9b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC X 29 16 42 06.3–1.7 33.22N–.07 140.9E–.10 56–15 3.3b 22 1-57
IDC X 29 16 42 04.8–1.2 32.70N 138.82E 0 3.2b,3.1 **¶621391448**
JMA X 29 16 42 07.1–.13 33.3N–.50 140.9E–.50 51–1 2.9,3.1
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 31 00 37 04.5–1.3 33.15N–.06 141.0E–.10 35 3.5b 19 1-57
IDC X 31 00 37 03.7–1.1 32.66N 138.89E 0 3.4b,3.3 **¶621395208**
JMA X 31 00 37 06.7–.12 33.2N–.50 140.8E–.50 44–2 3.4,3.3
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 29 21 45 02.8–1.7 33.24N–.08 140.9E–.10 50 3.7b 13 1-57
IDC X 29 21 45 00.8–1.2 32.77N 138.76E 0 3.4b,3.4 **¶621391464**
JMA X 29 21 45 02.8–.14 33.3N–.60 140.9E–.60 48–2 2.9,3.4
ISC Event type ke.

JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 30 08 31 20.3–.72 32.99N–.08 138.79E–.08 300 3.6b 39 1-94
IDC X 30 08 31 19.2–.61 32.93N 138.64E 280–5 4.0,3.4b ¶621395161
JMA X 30 08 31 20.1–.39 33N–1.0 139E–2.0 293–3 3.9,3.4b
ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
ISC XI 02 11 00 42.4–.46 31.04N–.05 142.07E–.08 24 4.4b,3.5s 103 3-149
MOS XI 02 11 00 38.8–1.7 31.04N 142.23E 10 4.5b,3.5s ¶621254042
IDC XI 02 11 00 39.2–.65 30.96N 142.03E 0 4.1b,4.0
NEIC XI 02 11 00 40.2–1.6 31.05N–.06 142.0E–.10 10–1 4.5b,4.0
NIED XI 02 11 00 41.5 31.04N 142.07E 54 4.4W,4.0
JMA XI 02 11 00 41.5–.41 31N–2.0 142E–4.0 54 4.0,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.90 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-2.68 $M_{r\theta}$-2.45 $M_{\theta\phi}$0.77 $M_{\phi r}$3.17 NP1:ϕ_s178.00000°,δ20.00000°,λ119.00000°. NP2:ϕ_s327.00000°,δ73.00000°,λ80.00000°. M_o4.94000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
ISC X 31 08 18 32.1–.46 29.26N–.05 142.55E–.09 24 4.2b 71 2-149
IDC X 31 08 18 29.0–.67 29.12N 142.42E 0 3.9b,3.9 ¶621395231
JMA X 31 08 18 29.6–.30 29.3N–.30 143E–4.0 49 4.0,3.9
NEIC X 31 08 18 30.4–.86 29.18N–.06 142.5E–.10 8–5 4.4b,3.9
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 02 22 23 08.4–2.3 29.2N–.10 142.9E–.40 35 4.2b 25 2-64
IDC XI 02 22 23 01.2–3.1 29.39N 143.66E 0 3.9b,3.9 ¶621401365
NEIC XI 02 22 23 04–1.1 29.30N–.08 143.3E–.20 10–2 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 10 12 57 16.4–.46 29.01N–.05 142.43E–.10 10 4.4b 92 2-151
IDC XI 10 12 57 15.6–.54 29.12N 142.48E 0 4.2b,4.2 ¶621391509
MOS XI 10 12 57 15.5–.96 29.17N 142.41E 11 4.5b,4.2
NEIC XI 10 12 57 17.1–.70 29.03N–.06 142.4E–.20 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 05 09 39 11.6–1.3 33.0N–.10 137.8E–.20 341 3.0b 14 1-53
JMA XI 05 09 39 09.3–.21 33N–2.0 138E–2.0 365 3.2 ¶621413966
IDC XI 05 09 39 11.4–2.2 32.97N 137.85E 344–29 3.5,2.9b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=66.5km s-min=25.3km az=60.0.
ISC XI 07 05 11 29.5–.57 32.17N–.07 142.37E–.06 44 4.2b 86 2-92
IDC XI 07 05 11 23.4–.72 32.02N 142.51E 0 4.1,4.0L ¶621384552
NEIC XI 07 05 11 24.8–1.0 32.12N–.07 142.6E–.10 10–1 4.4b,4.0L
NIED XI 07 05 11 27.8 32.19N 142.31E 67 4.1W,4.0L
JMA XI 07 05 11 27.8–.32 32N–1.0 142E–1.0 67 4.2,4.0L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.12 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$0.75 $M_{r\theta}$-0.68 $M_{\theta\phi}$-1.40 $M_{\phi r}$-0.19 NP1:ϕ_s13.00000°,δ71.00000°,λ-8.00000°. NP2:ϕ_s106.00000°,δ82.00000°,λ-161.00000°. M_o1.75000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 16 02 23 25.6–1.8 33.0N–.20 138.1E–.10 341 3.0b 22 1-51
JMA XI 16 02 23 23.2–.27 33N–3.0 138E–2.0 346 3.0 ¶635643889
IDC XI 16 02 23 24.8–8.6 32.84N 138.11E 326–34 3.7,3.0b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=128.1km s-min=60.7km az=162.0.
ISC XI 11 05 31 09.7–.46 29.57N–.06 138.85E–.07 450 3.9b 99 4-83
JMA XI 11 05 31 06.8–.23 30N–2.0 139E–2.0 497 4.1 ¶621449507
NEIC XI 11 05 31 10.4–1.7 29.50N–.10 138.8E–.10 448–8 4.0b
IDC XI 11 05 31 10.7–1.3 29.59N 138.75E 459–15 4.2,3.3b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=14.1km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=10.5km az=88.0.
ISC XI 26 14 07 42.9–1.2 33.35N–.06 139.93E–.09 156–8 24 0-57
IDC XI 26 14 07 42.5–2.1 33.01N 138.81E 121–41 3.2,3.0b ¶621622004
JMA XI 26 14 07 44.4–.13 33.4N–.40 139.9E–.70 146–1 3.0,3.0b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC XI 20 02 10 38.9–2.1 31.62N 140.16E 0 3.8b,3.7 ¶621590330
IDC Error ellipse: s-maj=40.5km s-min=24.4km az=104.0.
ISC XI 29 12 40 45.8–.35 31.10N–.02 142.42E–.03 19–1 6.4b,6.4s 2485 3-169
BJI XI 29 12 40 39.7 31.24N 142.73E 10 6.6s,6.5b ¶621494331
PTWC XI 29 12 40 41 31.10N 143.00E 10 6.6,6.5b
NEIC XI 29 12 40 43.6 31.19N 142.49E 6 6.6,6.5b
MOS XI 29 12 40 43.3–.91 31.14N 142.46E 15 6.6b,6.4s
ISC-P XI 29 12 40 44 31.20N 142.50E 21–0 6.5,6.4s
GFZ XI 29 12 40 44.7 31.11N 142.49E 13 6.3W,6.4s
NEIC XI 29 12 40 44.4–1.5 31.20N–.07 142.50E–.09 11–1 6.4,6.4b
GFZ XI 29 12 40 44.7–.10 31N–2.0 142E–2.0 10 6.8b,6.6
KEA XI 29 12 40 44.3 31.08N 142.80E 33 6.4s,6.6
BGR XI 29 12 40 45.9 31.28N 142.70E 33 6.9,6.4b
IPGP XI 29 12 40 45.0 31.20N 142.49E 7 6.5W,6.4b
NIED XI 29 12 40 47.1 31.29N 142.38E 90 6.2W,6.4b
JMA XI 29 12 40 47.1–.44 31N–2.0 142E–2.0 90 6.4,6.3W
IDC XI 29 12 40 48.9–1.1 31.11N 142.35E 40–8 6.3,6.2s
NEIC XI 29 12 40 50.8 31.09N 142.60E 26 6.3,6.2s
GCMT XI 29 12 40 50.5–.00 31.14N 142.44E 13–0 6.3W,6.2s
ISC Event type ke.
PTWC IZU ISLANDS, JAPAN REGION.
NEIC Event type se.
MOS Error ellipse: s-maj=6.4km s-min=3.4km az=111.5.
ISC-P Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.53±.15 $M_{\theta\theta}$0.00±.19; $M_{\phi\phi}$0.70±.20; $M_{r\theta}$-0.29±.14; $M_{\theta\phi}$0.10±.25; $M_{\phi r}$-0.14±.11; NP1:ϕ_s9.90000°,δ42.00000°,λ303.90000°. NP2:ϕ_s147.70000°,δ56.20000°,λ-116.70000°. M_o6.53000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-3.39 $M_{\theta\theta}$0.24 $M_{\phi\phi}$3.15 $M_{r\theta}$0.18 $M_{\theta\phi}$-1.12 $M_{\phi r}$-0.25 NP1: ϕ_s162.70878°,δ42.54962°,λ-87.73911°. NP2:ϕ_s339.64114°,δ47.49131°,λ-92.07389°. Principal axes: T 3.5418,Plg2.4717°,Azm71.1088°; N -0.1374,Plg1.5287°,Azm341.0428° ; P -3.4043,Plg87.0933°,Azm219.3358° M_o3.47509×10^{18}
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=11.6km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=3.9km s-min=3.3km az=82.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
IPGP Moment Tensor Solution. NP1:ϕ_s347.00000°,δ40.00000°,λ-73.00000°. NP2:ϕ_s145.00000°,δ52.00000°,λ-104.00000°.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.91 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$2.07 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.65 $M_{\phi r}$-0.58 NP1:ϕ_s157.00000°,δ38.00000°,λ-102.00000°. NP2:ϕ_s352.00000°,δ53.00000°,λ-81.00000°. M_o2.16000×10^{18}
JMA Event type fe. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=8.9km s-min=6.5km az=51.0.
NEIC Event type se. Moment Tensor Solution.Duration: 6s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.74 $M_{\theta\theta}$0.70 $M_{\phi\phi}$3.04 $M_{r\theta}$0.12 $M_{\theta\phi}$-1.09 $M_{\phi r}$-0.94 NP1:ϕ_s155.40000°,δ37.94000°,λ-95.06000°. NP2:ϕ_s341.80000°,δ52.23000°,λ-86.07000°. Principal axes: T 3.5853,Plg7.0000°,Azm69.0000°; N 0.2856,Plg3.0000°,Azm159.0000° ; P -3.8709,Plg82.0000°,Azm273.0000° M_o3.74000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111291240A. Moment Tensor Solution. s163,c392; s170,c721;Duration: 3s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.76±.02 $M_{\theta\theta}$0.15±.01; $M_{\phi\phi}$3.61±.01; $M_{r\theta}$-0.16±.03; $M_{\theta\phi}$-1.65±.01; $M_{\phi r}$1.09±.04; Best double couple: NP1:ϕ_s334.00000°,δ38.00000°,λ-97.00000°. NP2:ϕ_s162.00000°,δ53.00000°,λ-85.00000°. Principal axes: T 4.4120,Plg7.0000°,Azm249.0000°; N -0.4890,Plg4.0000°,Azm339.0000° ; P -3.9190,Plg81.0000°,Azm98.0000° M_o4.16600×10^{18}
IDC XI 27 19 31 15.0–1.8 33.30N 138.10E 333–29 3.2,2.5b ¶621625144
IDC Error ellipse: s-maj=67.1km s-min=21.4km az=60.0.
ISC XI 28 02 57 55.8–.68 29.46N–.05 143.3E–.10 35 4.2b 58 3-119
IDC XI 28 02 57 49.7–.98 29.06N 143.30E 0 4.0,3.9L ¶621625159
NEIC XI 28 02 57 52.3–1.3 29.43N–.07 143.51E–.07 10–1 4.5b,3.9L
JMA XI 28 02 57 55.4–.22 29.5N–.30 143E–3.0 42 4.7,3.9L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 29 08 28 43.0–1.5 32.4N–.10 141.8E–.10 50 3.4b 9 2-56
JMA XI 29 08 28 42.6–.37 32N–1.0 142E–1.0 80 3.1 ¶621626962
IDC XI 29 08 28 43.7–1.1 31.83N 138.73E 0 3.4b,3.3
ISC Event type se.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=35.5km s-min=18.0km az=93.0.
ISC XI 29 12 59 44.6–.58 31.06N–.07 142.23E–.09 24 4.1b 65 3-93
IDC XI 29 12 59 41.4–.72 31.02N 142.42E 0 4.1b,4.0 ¶621626969
NEIC XI 29 12 59 42.9–.92 31.06N–.07 142.3E–.10 10–1 4.3b,4.0
JMA XI 29 12 59 43.8–.32 31N–1.0 142E–2.0 74 4.1,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XI 29 13 50 57.8–.36 31.12N–.05 142.38E–.06 37 4.6b 243 3-149
IDC XI 29 13 50 51.7–.51 30.94N 142.47E 0 4.4b,4.3 ¶621494342
MOS XI 29 13 50 52.6–.88 31.09N 142.46E 14 4.8b,4.3
GFZ XI 29 13 50 54.9–.36 31N–6.0 143E–7.0 10 6.0b,5.7
NEIC XI 29 13 50 54.7–1.5 31.20N–.08 142.37E–.09 10–1 4.7b,5.7
JMA XI 29 13 50 54.5–.22 31.1N–.90 142E–1.0 64 4.7,5.7
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 30 07 10 48.3–.50 31.29N–.07 142.37E–.08 35 4.4b 95 3-152
IDC XI 30 07 10 43.1–.54 31.09N 142.50E 0 4.2b,4.2 ¶621564920
NEIC XI 30 07 10 44.3–1.7 31.12N–.05 142.49E–.10 10–1 4.6b,4.2
JMA XI 30 07 10 49.3–.66 31N–2.0 142E–2.0 80 4.0,4.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 29 22 17 07.2–.78 33.38N–.08 138.5E–.10 300 3.4b 29 1-79
JMA XI 29 22 17 05.2–.28 33N–2.0 139E–2.0 312 3.7 ¶621626995
IDC XI 29 22 17 07.2–.64 33.26N 138.35E 300–11 3.8,3.1b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=37.0km s-min=12.0km az=68.0.
ISC XI 29 22 29 48.7–.45 31.20N–.06 142.44E–.07 10 4.5b,3.1s 176 3-148
MOS XI 29 22 29 46.6–.87 31.06N 142.50E 11 4.7b,3.1s ¶621499060
IDC XI 29 22 29 46.9–.56 31.03N 142.56E 0 4.3b,4.3
NEIC XI 29 22 29 49.3–1.7 31.14N–.06 142.4E–.10 10–1 4.6b,4.3
NIED XI 29 22 29 53.2 31.58N 142.15E 0 4.0W,4.3
JMA XI 29 22 29 53.2–.81 32N–3.0 142E–3.0 0 4.4,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.12 $M_{\theta\theta}$0.21 $M_{\phi\phi}$0.92 $M_{r\theta}$-0.30 $M_{\theta\phi}$-0.31 $M_{\phi r}$0.64 NP1:ϕ_s342.00000°,δ28.00000°,λ-86.00000°. NP2:ϕ_s157.00000°,δ62.00000°,λ-92.00000°. M_o1.29000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
ISC XI 30 06 34 26.2–.43 31.21N–.05 142.55E–.07 37 4.5b 108 3-148
IDC XI 30 06 34 21.2–.57 31.11N 142.51E 0 4.2b,4.1 ¶621499123
NEIC XI 30 06 34 22.1–1.1 31.2N–.10 142.4E–.10 5–5 4.5b,4.1
NIED XI 30 06 34 23.9 31.23N 142.36E 61 4.1W,4.1
JMA XI 30 06 34 23.9–.21 31.2N–.80 142E–1.0 61 4.0,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.15 $M_{\theta\theta}$0.14 $M_{\phi\phi}$1.02 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.87 NP1:ϕ_s333.00000°,δ27.00000°,λ-106.00000°. NP2:ϕ_s170.00000°,δ64.00000°,λ-82.00000°. M_o1.44000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
ISC XI 29 15 55 01.1–1.0 31.2N–.10 142.4E–.20 37 3.6b 10 6-78
IDC XI 29 15 54 55.1–.94 31.08N 142.61E 0 3.6b,3.6 ¶621626980
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=15.7km az=72.0.
ISC XI 29 23 10 51.2–1.6 31.09N–.10 142.3E–.30 37 3.4b 11 3-55
IDC XI 29 23 10 45.6–3.8 30.90N 142.56E 0 3.4b,3.4 ¶621626998
JMA XI 29 23 10 46.9–.20 31.2N–.80 143E–2.0 48 3.9,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 29 23 34 47.1–.50 31.16N–.06 142.46E–.09 37 4.3b,3.6s 104 3-93
IDC XI 29 23 34 41.7–.68 31.15N 142.57E 0 4.1b,4.0 ¶621499069
MOS XI 29 23 34 42.5–.93 31.17N 142.51E 16 4.5b,4.0
NIED XI 29 23 34 42.1 31.16N 142.55E 45 4.2W,4.0
JMA XI 29 23 34 42.1–.28 31N–1.0 143E–2.0 45 4.2,4.0
NEIC XI 29 23 34 44.3–1.2 31.3N–.10 142.4E–.20 10–1 4.4b,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.76 $M_{\theta\theta}$0.14 $M_{\phi\phi}$0.62 $M_{r\theta}$-1.59 $M_{\theta\phi}$-0.23 $M_{\phi r}$1.63 NP1:ϕ_s350.00000°,δ10.00000°,λ-58.00000°. NP2:ϕ_s137.00000°,δ82.00000°,λ-95.00000°. M_o2.39000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 00 30 50.4–.46 31.17N–.06 142.30E–.08 37 4.5b,3.1s 130 3-152
IDC XI 30 00 30 45.0–.54 31.09N 142.51E 0 4.3b,4.3 ¶621499078
MOS XI 30 00 30 45.0–.82 31.12N 142.43E 13 4.6b,4.3
NEIC XI 30 00 30 46.7–1.1 31.1N–.10 142.4E–.10 10–1 4.6b,4.3
NIED XI 30 00 30 48.0 31.24N 142.52E 70 4.1W,4.3
JMA XI 30 00 30 48.0–.31 31N–1.0 143E–2.0 70 4.2,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.38 $M_{\theta\theta}$0.38 $M_{\phi\phi}$1.00 $M_{r\theta}$-0.43 $M_{\theta\phi}$-0.57 $M_{\phi r}$0.19 NP1:ϕ_s339.00000°,δ38.00000°,λ-74.00000°. NP2:ϕ_s139.00000°,δ54.00000°,λ-102.00000°. M_o1.44000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 30 07 19 00.1–1.2 31.1N–.20 142.3E–.20 10 3.7b 9 3-55
IDC XI 30 07 18 57.8–1.2 31.10N 142.71E 0 3.6b,3.6 ¶621627024
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=14.4km az=63.0.
ISC XI 30 07 20 07.7–.97 31.1N–.10 142.3E–.10 37 3.8b 9 3-93
IDC XI 30 07 20 02.6–.98 30.95N 142.61E 0 3.7b,3.7 ¶621627025
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=19.0km az=56.0.
ISC XI 30 07 29 48.9–.64 31.19N–.08 142.30E–.09 37 4.1b 56 3-93
IDC XI 30 07 29 43.1–.74 31.13N 142.55E 0 3.9b,3.9 ¶621627028
NEIC XI 30 07 29 45.4–1.6 31.17N–.07 142.39E–.08 10–1 4.3b,3.9
JMA XI 30 07 29 47.3–.67 31N–3.0 142E–2.0 90 3.4,3.9
ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 30 07 43 18.0–.57 31.20N–.08 142.39E–.09 37 4.1b 54 3-148
IDC XI 30 07 43 12.8–.70 31.07N 142.56E 0 3.9b,3.9 **¶621627030**
NEIC XI 30 07 43 15.0–2.5 31.22N–.05 142.4E–.10 10–1 4.4b,3.9
JMA XI 30 07 43 17.6–.58 31N–2.0 142E–2.0 86 3.7,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XI 30 11 42 30.2–1.3 31.09N 142.40E 0 3.4b,3.4
¶621627055
IDC Error ellipse: s-maj=46.0km s-min=21.3km az=80.0.
ISC XI 30 08 20 54.4–.89 31.2N–.10 142.3E–.10 37 3.7b 17 3-149
IDC XI 30 08 20 49.2–.84 31.12N 142.59E 0 3.6b,3.6 **¶621627033**
JMA XI 30 08 20 54.0–.56 31N–2.0 142E–3.0 75 3.3,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 30 08 22 09.8–.94 31.33N–.10 142.5E–.10 35 3.7b 14 3-93
IDC XI 30 08 22 04.4–.89 31.12N 142.57E 0 3.7b,3.6 **¶621627034**
JMA XI 30 08 22 10.2–.70 31N–3.0 143E–2.0 87 3.3,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
JMA XI 30 08 27 23.7–.81 31N–3.0 142E–3.0 0 3.5
¶635653526
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 30 08 44 55.6–1.7 31.3N–.20 142.4E–.30 35 3.7b 11 3-55
IDC XI 30 08 44 48.3–2.1 31.27N 143.05E 0 3.7b,3.7 **¶621627035**
JMA XI 30 08 44 53.6–.88 31N–3.0 142E–4.0 54 3.7b,3.7
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XI 30 08 56 45.1–.58 31.19N–.09 142.36E–.10 37 4.1b 56 3-149
IDC XI 30 08 56 39.5–.66 31.08N 142.52E 0 4.0b,3.9 **¶621627037**
NEIC XI 30 08 56 42.0–2.2 31.17N–.07 142.4E–.10 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 06 53 34.3–.36 31.22N–.03 142.42E–.03 20–1 5.7b,5.1s 1555 3-169
BJI XI 30 06 53 30.8 31.19N 142.28E 5 5.6b,5.4s **¶621499117**
IDC XI 30 06 53 31.2–.35 31.13N 142.50E 0 5.5b,5.5
MOS XI 30 06 53 31.0–.85 31.19N 142.48E 12 5.9b,4.9s
GFZ XI 30 06 53 32.3–.24 31N–2.0 143E–3.0 10 5.9b,5.6b
GFZ XI 30 06 53 33.3 31.19N 142.50E 10 5.3W,5.6b
KEA XI 30 06 53 34.9 31.13N 142.77E 33 5.2s,5.6b
NEIC XI 30 06 53 34.6–1.1 31.22N–.08 142.44E–.09 20–1 5.8b,5.2
NEIC XI 30 06 53 34.6 31.25N 142.43E 19 5.8b,5.2
NIED XI 30 06 53 34.3 31.27N 142.43E 62 5.2W,5.2
JMA XI 30 06 53 34.3–.20 31.3N–.70 142.4E–.90 62 5.4,5.3W
NEIC XI 30 06 53 35 31.05N 142.66E 20 5.5,5.3W
BGR XI 30 06 53 36.4 31.50N 142.50E 30 5.7b,4.9s
GCMT XI 30 06 53 36.1–.10 31.17N–.01 142.48E–.01 12 5.4W,4.9s
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.14 $M_{\theta\theta}$0.24 $M_{\phi\phi}$0.90 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.19 NP1: ϕ_s167.19451°,δ48.80745°,λ-77.88335°. NP2:ϕ_s329.13977°,δ42.63051°,λ-103.48667°. Principal axes: T 1.0358,Plg3.1270°,Azm248.6461°; N 0.1488,Plg9.0880°,Azm339.1468° ; P -1.1846,Plg80.3804°,Azm139.8424° $M_0$1.11767×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.46 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$6.50 $M_{r\theta}$-1.36 $M_{\theta\phi}$-2.37 $M_{\phi r}$4.46 NP1:ϕ_s341.00000°,δ28.00000°,λ-91.00000°. NP2:ϕ_s163.00000° ,δ62.00000°,λ-89.00000°. $M_0$8.29000×10^{16}
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.88 $M_{\theta\theta}$0.28 $M_{\phi\phi}$1.60 $M_{r\theta}$-0.99 $M_{\theta\phi}$-0.52 $M_{\phi r}$0.53 NP1:ϕ_s355.80000°,δ34.80000° ,λ-61.48000°. NP2:ϕ_s142.30000°,δ59.90000°,λ-108.36000°. Principal axes: T 1.9675,Plg13.0000°,Azm246.0000°; N 0.3223,Plg16.0000°,Azm152.0000° ; P -2.2898,Plg69.0000°,Azm13.0000° $M_0$2.15000×10^{17}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111300653A. Moment Tensor Solution. s103,c173; s155,c294;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.40±.01 $M_{\theta\theta}$0.14±.01; $M_{\phi\phi}$1.26±.01; $M_{r\theta}$-0.17±.04; $M_{\theta\phi}$-0.54±.01; $M_{\phi r}$0.98±.03; Best double couple: NP1: ϕ_s330.00000°,δ28.00000°,λ-103.00000°. NP2:ϕ_s165.00000°,δ62.00000°,λ-83.00000°. Principal axes: T 1.7800,Plg17.0000°,Azm250.0000°; N -0.0580,Plg6.0000°,Azm342.0000° ; P -1.7210,Plg72.0000°,Azm91.0000° $M_0$1.75100×10^{17}
ISC XI 30 07 00 47.0–1.2 31.2N–.20 142.2E–.20 24 4.0b 8 3-55
IDC XI 30 07 00 43.0–1.2 31.14N 142.55E 0 3.9b,3.9 **¶621627023**
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=16.4km az=63.0.
ISC XI 30 10 51 13.3–.79 31.29N–.08 142.3E–.10 35 3.9b 26 3-93
IDC XI 30 10 51 07.8–.80 31.15N 142.52E 0 4.0b,3.8 **¶621627048**
JMA XI 30 10 51 10.8–.26 31N–1.0 142E–2.0 83 3.5,3.8
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XI 30 17 53 20.4–1.2 31.2N–.10 142.3E–.20 37 3.7b 11 3-55
IDC XI 30 17 53 14.8–1.2 31.13N 142.52E 0 3.5b,3.5 **¶621627078**
JMA XI 30 17 53 19.4–.45 31N–2.0 142E–3.0 77 3.8,3.5
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XI 30 11 10 46.1–.50 32.16N–.06 141.85E–.07 29 5.5s,4.5b 145 2-93
IDC XI 30 11 10 41.8–.69 32.15N 141.83E 0 4.7s,4.2b **¶621499204**
MOS XI 30 11 10 42.0–1.2 32.09N 141.71E 14 4.8b,4.2b
NEIC XI 30 11 10 43.0–.79 32.23N–.03 141.92E–.09 10–1 4.7b,4.2b
JMA XI 30 11 10 46.5–.30 32N–1.0 142E–1.0 60 4.0,4.2b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC XI 30 15 41 14.4–.34 31.18N–.04 142.32E–.06 37 4.7b,3.7s 266 3-152
MOS XI 30 15 41 08.5–.91 31.16N 142.39E 10 4.9b,3.7s **¶621532546**
IDC XI 30 15 41 08.7–.55 31.10N 142.47E 0 4.5b,4.4
GFZ XI 30 15 41 10.2–.25 31N–2.0 142E–4.0 10 5.4b,4.8
NEIC XI 30 15 41 11.3–.83 31.19N–.08 142.3E–.10 10–1 4.7b,4.8
JMA XI 30 15 41 12.1–.27 31N–1.0 142E–2.0 61 4.6,4.8
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XI 30 18 03 49.7–1.4 31.18N 142.25E 0 3.4b,3.4
¶621627080
IDC Error ellipse: s-maj=53.7km s-min=22.6km az=82.0.
ISC XI 30 18 27 39.1–.52 31.09N–.03 142.30E–.05 16–2 5.0b,3.9s 801 3-152
MOS XI 30 18 27 36.6–1.0 31.06N 142.31E 10 5.2b,4.2s **¶621532559**
IDC XI 30 18 27 36.3–.44 31.04N 142.45E 0 4.8b,4.8
BJI XI 30 18 27 38.7 31.13N 141.90E 9 5.3b,4.9b
NEIC XI 30 18 27 38.4–1.2 31.12N–.05 142.31E–.10 10–1 5.0b,4.9b
GFZ XI 30 18 27 39.1–.13 31N–2.0 142E–3.0 10 5.6b,5.0
NIED XI 30 18 27 39.1 31.20N 142.48E 72 4.6W,5.0
JMA XI 30 18 27 39.1–.21 31.2N–.80 142E–1.0 72 4.6,5.0
GCMT XI 30 18 27 42.2–.40 31.04N–.04 142.55E–.04 18–1 4.7W,5.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.88 $M_{\theta\theta}$-2.68 $M_{\phi\phi}$3.56 $M_{r\theta}$-5.88 $M_{\theta\phi}$0.29 $M_{\phi r}$6.21 NP1:ϕ_s42.00000°,δ20.00000°,λ-7.00000°. NP2:ϕ_s139.00000° ,δ87.00000°,λ-110.00000°. $M_0$9.13000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111301827A. Moment Tensor Solution. s11,c13; s73,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.48±.13 $M_{\theta\theta}$0.33±.08; $M_{\phi\phi}$1.15±.09; $M_{r\theta}$-0.13±.21; $M_{\theta\phi}$-0.48±.04; $M_{\phi r}$-0.23±.17; Best double couple: NP1:ϕ_s148.00000° ,δ42.00000°,λ-101.00000°. NP2:ϕ_s343.00000°,δ49.00000°,λ-80.00000°. Principal axes: T 1.3810,Plg3.0000°,Azm66.0000°; N 0.1320,Plg8.0000°,Azm156.0000° ; P -1.5180,Plg82.0000°,Azm313.0000° $M_0$1.45000×10^{16}
IDC XI 30 18 37 21.7–4.3 30.95N 141.16E 0 3.4b,3.3
¶621627082
IDC Error ellipse: s-maj=231.6km s-min=23.2km az=78.0.
ISC XI 30 16 23 48.3–1.8 31.5N–.10 142.9E–.30 66 3.8b 10 5-55
IDC XI 30 16 23 42.3–6.2 31.07N 142.34E 0 3.7b,3.6 **¶621627071**
JMA XI 30 16 23 48.8–.55 31N–3.0 143E–2.0 72 3.7,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 01 02 08 11.9–.87 31.1N–.10 142.4E–.10 35 3.6b 15 3-93
IDC XII 01 02 08 06.3–.83 31.07N 142.71E 0 3.7b,3.7 **¶621629780**
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=15.7km az=52.0.
ISC XI 30 19 57 54.6–1.0 31.20N–.10 142.3E–.20 37 3.7b 18 3-93
IDC XI 30 19 57 48.4–1.2 31.16N 142.71E 0 3.7b,3.7 **¶621627086**
JMA XI 30 19 57 54.0–.40 31N–2.0 143E–3.0 77 3.3,3.7
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 30 20 12 14.9–.71 31.1N–.10 142.2E–.10 24 4.0b,3.8s 41 3-93
IDC XI 30 20 12 10.9–.77 31.10N 142.53E 0 3.9b,3.9 **¶621627087**
NEIC XI 30 20 12 13.0–1.7 31.06N–.03 142.2E–.10 10–1 4.2b,3.9
JMA XI 30 20 12 15.2–.61 31N–3.0 142E–4.0 65 4.2b,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XII 01 03 01 45.1–1.3 31.09N 142.55E 0 3.5b,3.4
¶621629783
IDC Error ellipse: s-maj=45.1km s-min=22.3km az=81.0.
ISC XI 30 20 38 47.9–.59 31.22N–.05 142.38E–.07 16–3 4.6b,3.9s 220 3-152
MOS XI 30 20 38 45.0–.89 31.12N 142.35E 9 4.8b,3.9s **¶621564887**
IDC XI 30 20 38 45.6–.47 31.13N 142.48E 0 4.4b,4.3
NEIC XI 30 20 38 47.2–1.2 31.22N–.07 142.4E–.10 10–1 4.6b,4.3
NIED XI 30 20 38 48.8 31.29N 142.49E 65 4.1W,4.3
JMA XI 30 20 38 48.8–.40 31N–2.0 142E–3.0 65 4.1,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.90 $M_{\theta\theta}$0.41 $M_{\phi\phi}$1.49 $M_{r\theta}$-0.08 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.56 NP1:ϕ_s335.00000°,δ37.00000°,λ-95.00000°. NP2:ϕ_s162.00000° ,δ54.00000°,λ-86.00000°. $M_0$1.88000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 01 08 40 48.1–.35 31.16N–.05 142.42E–.06 10 4.9b,3.7s 280 3-152
IDC XII 01 08 40 45.8–.51 31.05N 142.53E 0 4.6b,4.5 **¶621564977**
BJI XII 01 08 40 47.7 31.29N 142.18E 4 5.2b,4.6s
GFZ XII 01 08 40 47.7–.39 31N–3.0 142E–4.0 10 4.9,4.9
MOS XII 01 08 40 47.3–.99 31.16N 142.50E 16 5.0b,4.9
NEIC XII 01 08 40 48.3–1.8 31.18N–.06 142.44E–.10 10–1 4.9b,4.9
JMA XII 01 08 40 49.2–.19 31.2N–.80 142E–1.0 69 4.6,4.6W
NIED XII 01 08 40 49.2 31.23N 142.46E 69 4.5W,4.6W
GCMT XII 01 08 40 52.1–.40 30.82N–.04 142.61E–.03 20–1 4.9W,4.6W
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.84 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$5.35 $M_{r\theta}$-1.14 $M_{\theta\phi}$-1.35 $M_{\phi r}$5.13 NP1:ϕ_s348.00000°,δ22.00000°,λ-90.00000°. NP2:ϕ_s168.00000° ,δ68.00000°,λ-90.00000°. $M_0$7.42000×10^{15}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112010840A. Moment Tensor Solution. s14,c16; s72,c86; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.59±.17 $M_{\theta\theta}$-0.37±.11; $M_{\phi\phi}$1.96±.13; $M_{r\theta}$-1.66±.25; $M_{\theta\phi}$-0.36±.06; $M_{\phi r}$0.22±.17; Best double couple: NP1:ϕ_s18.00000°,δ46.00000° ,λ-40.00000°. NP2:ϕ_s139.00000°,δ63.00000°,λ-128.00000°. Principal axes: T 2.0940,Plg10.0000°,Azm255.0000°; N 0.6560,Plg33.0000°,Azm159.0000° ; P -2.7480,Plg55.0000°,Azm359.0000° $M_0$2.42100×10^{16}
ISC XI 30 20 49 15.4–.32 31.12N–.04 142.61E–.06 37 4.8b,3.5s 391 3-148
MOS XI 30 20 49 09.4–.98 31.03N 142.60E 10 5.0b,3.5s **¶621564881**
IDC XI 30 20 49 10.0–.49 30.98N 142.62E 0 4.5b,4.5
NEIC XI 30 20 49 11.4–1.4 31.14N–.08 142.52E–.09 10–1 4.9b,4.5
BJI XI 30 20 49 11.5 31.10N 142.28E 10 5.1b,4.5s
NIED XI 30 20 49 12.6 31.13N 142.60E 65 4.4W,4.5s
JMA XI 30 20 49 12.6–.28 31N–1.0 143E–2.0 65 4.4,4.5s
GFZ XI 30 20 49 12.8–.18 31N–3.0 143E–4.0 10 7.2,6.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.65 $M_{\theta\theta}$-1.68 $M_{\phi\phi}$1.03 $M_{r\theta}$-1.79 $M_{\theta\phi}$1.94 $M_{\phi r}$2.53 NP1:ϕ_s71.00000°,δ35.00000°,λ11.00000°. NP2:ϕ_s332.00000° ,δ84.00000°,λ124.00000°. $M_0$3.85000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC XI 30 21 12 00.5–.49 32.94N–.07 137.51E–.06 400 3.9b 104 1-83
JMA XI 30 21 11 52.7–.18 33N–2.0 138E–2.0 422 3.8 **¶621627093**
IDC XI 30 21 11 58.7–.68 32.85N 137.48E 372–7 4.0,3.3b
NEIC XI 30 21 11 59.3–1.3 32.90N–.09 137.4E–.10 372–7 4.1b,3.3b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 21 39 41.1–.73 31.09N–.09 142.4E–.10 37 4.1b 40 3-93
IDC XI 30 21 39 35.6–.78 31.10N 142.75E 0 3.9b,3.9 **¶621627097**
NEIC XI 30 21 39 37.6–1.5 31.10N–.08 142.3E–.10 10–1 4.4b,3.9
JMA XI 30 21 39 40.8–.45 31N–2.0 143E–3.0 70 4.4b,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 30 21 58 16.2–.46 31.14N–.06 142.52E–.08 37 4.4b 130 3-152
IDC XI 30 21 58 10.4–.68 31.03N 142.59E 0 4.1b,4.1 **¶621564913**
MOS XI 30 21 58 11.0–1.1 31.16N 142.52E 11 4.5b,4.1
NEIC XI 30 21 58 14.1–1.7 31.32N–.07 142.5E–.10 10–1 4.6b,4.1
JMA XI 30 21 58 15.2–.40 31N–2.0 143E–2.0 75 3.8,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
JMA XII 01 07 19 24.5–.41 31N–2.0 143E–2.0 84 3.6
¶635654048
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 01 11 05 58.2–.97 31.4N–.10 142.3E–.10 50 3.8b 10 3-93
IDC XII 01 11 05 51.1–.88 31.16N 142.48E 0 3.7b,3.6 **¶621629807**
JMA XII 01 11 05 55.5–.50 31N–2.0 142E–4.0 56 4.2,3.6
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XI 30 22 22 50.3–.57 31.21N–.07 142.56E–.08 37 4.2b,3.4s 78 3-93
IDC XI 30 22 22 44.4–.70 31.03N 142.49E 0 4.1b,4.0 **¶621627099**

NEIC XI 30 22 22 47.2–1.8 31.20N–.07 142.4E–.10 10–1 4.5b,4.0
JMA XI 30 22 22 51.7–.39 32N–2.0 143E–1.0 77 4.0,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XI 30 22 34 12.4–.78 31.1N–.10 142.4E–.10 37 3.9b 34 3-149
IDC XI 30 22 34 06.2–.82 31.08N 142.72E 0 3.8b,3.7 **¶621627100**
NEIC XI 30 22 34 08.2–2.6 31.01N–.08 142.5E–.20 10–1 4.2b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 01 11 21 12.1–.94 31.2N–.10 142.4E–.10 37 3.7b 14 3-93
IDC XII 01 11 21 06.3–.90 31.07N 142.70E 0 3.6b,3.6 **¶621629808**
JMA XII 01 11 21 10.7–.63 31N–3.0 142E–3.0 72 4.2,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 01 11 30 10.9–.54 31.04N–.06 142.48E–.08 10 4.4b 66 3-93
IDC XII 01 11 30 09.3–.68 31.00N 142.67E 0 4.1b,4.1 **¶621629809**
NEIC XII 01 11 30 11.4–1.7 31.04N–.07 142.5E–.10 10–1 4.5b,4.1
JMA XII 01 11 30 12.7–.77 31N–3.0 142E–2.0 61 4.5,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 01 08 02 51.6–1.3 31.2N–.20 142.5E–.30 37 3.7b 6 6-55
IDC XII 01 08 02 46.2–1.2 31.14N 142.52E 0 3.7b,3.6 **¶621629797**
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=19.8km az=78.0.
ISC XII 01 15 54 05.5–.78 31.16N–.08 142.4E–.20 37 3.6b 17 4-93
IDC XII 01 15 54 00.0–.82 31.07N 142.51E 0 3.6b,3.6 **¶621629829**
JMA XII 01 15 54 02.7–.33 31N–1.0 142E–3.0 57 3.6,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
JMA XII 01 14 05 32.1–.41 31N–2.0 143E–2.0 76 3.6
¶635654219
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 01 12 07 12.4–.62 31.06N–.07 142.20E–.10 24 4.0b 47 3-93
IDC XII 01 12 07 08.5–.76 31.11N 142.41E 0 3.9b,3.8 **¶621629811**
JMA XII 01 12 07 11.6–.23 31.1N–.90 143E–3.0 70 3.6,3.8
NEIC XII 01 12 07 11.2–1.3 31.1N–.10 142.2E–.10 10–1 4.3b,3.8
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 01 17 30 55.1–.65 30.64N–.05 142.2E–.10 10 4.6s,4.5b 27 3-97
NEIC XII 01 17 30 55.8–1.4 30.62N–.09 142.39E–.06 10–1 4.6b,4.5b **¶621629834**
IDC XII 01 17 30 57.2–1.1 31.12N 142.30E 0 4.5s,4.0b
JMA XII 01 17 30 59.1–.18 31.2N–.70 142E–2.0 54 3.6,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 01 12 45 07.7–4.3 30.9N–.30 142E–1.0 10 3.5b 6 6-55
IDC XII 01 12 45 04.6–5.6 31.02N 142.05E 0 3.4b,3.3 **¶621629814**
ISC Event type se.
IDC Error ellipse: s-maj=225.4km s-min=21.7km az=72.0.
IDC XII 01 17 44 13.9–16 30.13N 142.66E 0 3.5,3.4b
¶621629836
IDC Error ellipse: s-maj=453.4km s-min=30.3km az=57.0.
ISC XII 01 22 47 37.7–.71 31.23N–.09 142.3E–.10 37 4.0b 44 3-93
IDC XII 01 22 47 31.6–.72 31.05N 142.49E 0 3.9b,3.9 **¶621629854**
NEIC XII 01 22 47 33.8–.93 31.1N–.10 142.38E–.05 10–1 4.2b,3.9
JMA XII 01 22 47 34.9–.62 31N–3.0 143E–4.0 70 3.9,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 01 09 49 18.8–.36 31.19N–.05 142.36E–.06 37 4.8b,3.6s 297 3-152
MOS XII 01 09 49 13.7–.75 31.17N 142.41E 12 5.0b,3.6s **¶621568630**
BJI XII 01 09 49 14.9 31.29N 142.15E 9 5.4b,4.6b
NEIC XII 01 09 49 15.5–.98 31.21N–.06 142.4E–.10 10–1 4.8b,4.6b
IDC XII 01 09 49 16.7–5.4 31.15N 142.43E 20–34 4.6b,4.6
NIED XII 01 09 49 18.0 31.39N 142.41E 50 4.5W,4.6
JMA XII 01 09 49 18.0–.67 31N–3.0 142E–2.0 50 4.3,4.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.85 $M_{\theta\theta}$1.68 $M_{\phi\phi}$3.16 $M_{r\theta}$0.25 $M_{\theta\phi}$-2.19 $M_{\phi r}$3.05 NP1:ϕ_s309.00000°,δ34.00000°,λ-119.00000°. NP2:ϕ_s163.00000°,δ61.00000°,λ-72.00000°. M_o5.65000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 02 00 22 52.2–1.2 31.2N–.10 142.6E–.20 37 3.6b 7 4-55
IDC XII 02 00 22 46.9–1.4 31.12N 142.68E 0 3.5b,3.4 **¶621629860**
JMA XII 02 00 22 54.4–.82 32N–4.0 143E–4.0 114 3.5b,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 01 22 58 18.7–2.8 30.9N–.30 141.6E–.70 10 3.7b 7 3-55
IDC XII 01 22 58 13.6–2.5 31.18N 142.81E 0 3.6b,3.6 **¶621629856**
ISC Event type se.
IDC Error ellipse: s-maj=80.1km s-min=16.8km az=62.0.
ISC XII 02 05 39 38.6–.72 31.31N–.09 142.15E–.10 50 4.1b 40 3-86
IDC XII 02 05 39 31.5–.95 31.17N 142.50E 0 3.8b,3.8 **¶621629872**
NEIC XII 02 05 39 33.4–1.1 31.29N–.10 142.3E–.20 10–1 4.1b,3.8
JMA XII 02 05 39 38.2–.91 32N–4.0 143E–4.0 81 3.3,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XII 02 14 27 58.7–21 31.37N 143.32E 0 3.2b,3.2
¶621629893
IDC Error ellipse: s-maj=771.3km s-min=24.0km az=68.0.
ISC XII 02 07 23 27.3–.69 31.15N–.09 142.39E–.10 37 4.1b 44 3-93
IDC XII 02 07 23 22.1–.80 31.06N 142.62E 0 3.8b,3.8 **¶621629876**
NEIC XII 02 07 23 23.9–1.1 31.17N–.04 142.4E–.10 10–1 4.2b,3.8
JMA XII 02 07 23 27.2–.73 31N–3.0 143E–3.0 85 3.5,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 02 19 14 14.4–1.4 31.23N–.10 142.1E–.20 24 3.7b 17 3-55
IDC XII 02 19 14 10.2–2.5 31.07N 142.31E 0 3.6b,3.6 **¶621629905**
JMA XII 02 19 14 15.3–.45 31N–2.0 142E–2.0 69 3.4,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 02 11 14 52.4–1.1 31.25N–.09 142.5E–.10 35 3.6b 17 3-78
IDC XII 02 11 14 47.5–1.1 31.06N 142.72E 0 3.6b,3.5 **¶621629887**
JMA XII 02 11 14 51.4–.40 31N–2.0 142E–2.0 74 3.7,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 03 05 14 16.4–.79 31.2N–.10 142.3E–.10 10 3.8b 24 3-93
IDC XII 03 05 14 14.4–.77 31.13N 142.39E 0 3.9s,3.8b **¶621630561**
JMA XII 03 05 14 19.4–.68 32N–3.0 142E–3.0 0 3.9,3.8b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 03 08 41 23.0–2.6 31.9N–.10 141.9E–.20 29 3.6b 10 2-54
JMA XII 03 08 41 14.6–.46 31N–2.0 143E–2.0 72 3.5 **¶621630577**
IDC XII 03 08 41 19.5–2.6 31.56N 141.43E 0 3.5b,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC Error ellipse: s-maj=52.0km s-min=32.3km az=42.0.

ISC XII 03 07 17 07.7–.85 31.29N–.07 142.5E–.10 49 3.6b 16 3-78
IDC XII 03 07 17 00.7–1.0 31.28N 143.00E 0 3.6,3.5b **¶621630573**
JMA XII 03 07 17 05.7–.32 31N–1.0 142E–3.0 50 3.6,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 03 07 20 53.8–1.0 31.3N–.10 142.4E–.10 49 3.7b 15 3-78
IDC XII 03 07 20 46.9–.96 31.33N 142.82E 0 3.6b,3.6 **¶621630574**
JMA XII 03 07 20 57.2–.50 32N–2.0 143E–2.0 62 3.4,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 03 07 27 00.3–1.3 31.2N–.20 142.4E–.20 37 3.5b 6 3-55
IDC XII 03 07 26 54.9–1.3 31.06N 142.82E 0 3.5b,3.5 **¶621630575**
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=17.4km az=62.0.
ISC XII 03 02 59 46.2–.68 31.22N–.08 142.33E–.09 37 4.1b 48 3-93
IDC XII 03 02 59 40.5–.73 31.08N 142.42E 0 4.0b,3.9 **¶621630556**
NEIC XII 03 02 59 42.5–1.6 31.17N–.07 142.3E–.10 10–1 4.4b,3.9
JMA XII 03 02 59 45.3–.33 31N–1.0 142E–1.0 66 4.0,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 03 10 17 28.7–.57 31.23N–.07 142.20E–.08 35 4.3b 76 3-93
IDC XII 03 10 17 23.7–.82 31.09N 142.33E 0 3.8b,3.8 **¶621630587**
NEIC XII 03 10 17 25.3–1.2 31.23N–.07 142.28E–.08 10–1 4.5b,3.8
JMA XII 03 10 17 27.4–.55 31N–2.0 142E–2.0 68 4.0,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
JMA XII 03 09 24 15.0–.51 31N–2.0 142E–3.0 66
IDC XII 03 09 24 14.4–1.3 30.88N 141.02E 0 3.6b,3.5 **¶621630583**
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC Error ellipse: s-maj=50.4km s-min=21.5km az=83.0.
ISC XII 04 02 54 34.0–.92 31.3N–.10 142.3E–.10 49 3.8b 20 3-149
IDC XII 04 02 54 27.0–.81 31.13N 142.60E 0 3.7b,3.7 **¶621630629**
JMA XII 04 02 54 31.7–.60 31N–2.0 142E–2.0 49 3.8,3.7
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 03 22 32 33.8–.56 31.17N–.06 142.37E–.09 37 4.3b 58 3-93
IDC XII 03 22 32 28.1–.69 31.08N 142.56E 0 4.1b,4.1 **¶621630623**
JMA XII 03 22 32 30.5–.44 31N–2.0 142E–3.0 48 4.0,4.1
NEIC XII 03 22 32 30.1–1.8 31.12N–.07 142.3E–.20 10–1 4.4b,4.1
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 04 22 03 41.5–.45 31.19N–.06 142.38E–.07 37 4.4b 162 3-121
IDC XII 04 22 03 35.4–.59 31.08N 142.54E 0 4.2b,4.2 **¶621612575**
MOS XII 04 22 03 35.6–1.1 31.13N 142.48E 10 4.5b,4.2
NEIC XII 04 22 03 37.9–.81 31.11N–.07 142.4E–.10 10–1 4.6b,4.2
JMA XII 04 22 03 38.8–.25 31N–1.0 142E–2.0 79 3.9,4.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 05 06 50 27.8–1.7 31.5N–.10 143.4E–.20 35 3.5b 10 5-56
IDC XII 05 06 50 23.4–6.0 31.35N 143.14E 0 3.4b,3.3 **¶621631233**
JMA XII 05 06 50 30.0–.55 31N–2.0 143E–3.0 71 3.4b,3.3
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 05 11 23 33.9–.86 31.23N–.09 142.2E–.10 35 3.6b 15 3-93
IDC XII 05 11 23 28.9–.93 31.14N 142.29E 0 4.0s,3.6b **¶621631248**
JMA XII 05 11 23 31.7–.34 31N–1.0 143E–4.0 69 3.6,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 05 11 51 09.7–1.4 31.6N–.10 142.5E–.20 49 3.6b 11 3-56
IDC XII 05 11 51 01.2–2.3 31.57N 143.30E 0 3.5b,3.5 **¶621631252**
JMA XII 05 11 51 10.1–.58 32N–3.0 142E–3.0 90 3.5b,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 05 17 51 48.1–.52 31.13N–.05 142.22E–.08 24 3.9b 60 3-149
IDC XII 05 17 51 45.5–.73 31.19N 142.43E 0 3.8b,3.8 **¶621631269**
NEIC XII 05 17 51 46.3–2.2 31.16N–.06 142.24E–.08 10–1 4.0b,3.8
JMA XII 05 17 51 47.9–.23 31.3N–.90 142E–1.0 57 3.7,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 05 10 46 30.5–2.3 31.1N–.30 142.2E–.40 24 3.3b 6 3-55
IDC XII 05 10 46 24.2–2.7 31.21N 143.09E 0 3.4,3.3b **¶621631245**
ISC Event type se.
IDC Error ellipse: s-maj=78.2km s-min=17.7km az=59.0.
ISC XII 05 23 56 04.8–.64 31.25N–.07 142.5E–.10 35 4.5s,3.9b 42 3-93
IDC XII 05 23 55 58.6–.74 31.05N 142.54E 0 4.5s,3.8b **¶621631282**
NEIC XII 05 23 55 59.9–.91 31.1N–.10 142.8E–.20 10–1 4.3b,3.8b
JMA XII 05 23 56 02.7–.29 31N–1.0 143E–3.0 63 3.9,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 06 00 22 18.1–1.8 31.4N–.10 142.8E–.30 66 3.8b 13 4-55
IDC XII 06 00 22 06.4–3.0 31.46N 143.92E 0 3.9b,3.8 **¶621632556**
JMA XII 06 00 22 15.8–.34 31N–1.0 143E–2.0 68 3.8,3.8
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 06 02 11 55.7–1.1 30.69N–.09 138.9E–.20 10 3.5b 20 3-96
JMA XII 06 02 11 53.7–.25 30.6N–.90 139E–2.0 107 3.4 **¶621632563**
IDC XII 06 02 11 54.4–1.2 30.54N 138.74E 0 3.6b,3.5
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=48.9km s-min=19.4km az=84.0.
ISC XII 06 00 31 56.6–.63 31.01N–.07 142.3E–.10 37 4.2b 29 3-149
IDC XII 06 00 31 51.1–.66 30.93N 142.52E 0 4.1b,4.1 **¶621632557**
JMA XII 06 00 31 55.2–.51 31N–2.0 143E–2.0 75 4.2,4.1
NIED XII 06 00 31 55.2 31.17N 142.51E 75 4.2W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=12.9km az=53.0.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.71 $M_{\theta\theta}$0.10 $M_{\phi\phi}$0.61 $M_{r\theta}$1.82 $M_{\theta\phi}$0.17 $M_{\phi r}$-1.38 NP1:ϕ_s176.00000°,δ8.00000°,λ-44.00000°. NP2:ϕ_s310.00000°,δ85.00000°,λ-96.00000°. M_o2.33000×10^{15}
ISC XII 06 03 16 46.9–.85 30.66N–.07 138.83E–.07 10 3.6b 30 2-152
JMA XII 06 03 16 43.2–.47 31N–2.0 139.0E–.90 0 4.3 **¶621632566**
NIED XII 06 03 16 43.2 30.72N 138.96E 0 4.2W
IDC XII 06 03 16 44.9–.89 30.44N 138.88E 0 3.8L,3.7
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.53 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$0.09 $M_{r\theta}$-0.86 $M_{\theta\phi}$0.96 $M_{\phi r}$1.38 NP1:ϕ_s84.00000°,δ26.00000°,λ25.00000°. NP2:ϕ_s332.00000°,δ79.00000°,λ114.00000°. M_o1.93000×10^{15}
IDC Error ellipse: s-maj=17.1km s-min=13.4km az=104.0.
ISC XII 05 22 20 38.3–.74 31.27N–.09 142.30E–.09 49 3.9b 36 3-93
IDC XII 05 22 20 30.5–.79 31.01N 142.62E 0 3.9b,3.8 **¶621631278**
NEIC XII 05 22 20 33.9–1.3 31.29N–.10 142.5E–.10 10–1 4.3b,3.8
JMA XII 05 22 20 35.4–.72 31N–3.0 143E–4.0 73 3.6,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 06 10 35 13.9–1.0 33.60N–.08 138.43E–.08 300 33 1-57

JMA XII 06 10 35 11.7–.42 33N–2.0 138.5E–1.0 299–3 3.3 **¶621632594**
IDC XII 06 10 35 14.3–1.4 33.48N 138.30E 284–23 3.7,3.1b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=30.7km s-min=24.0km az=120.0.
ISC XII 06 04 23 34.3–.90 31.3N–.10 142.4E–.20 49 4.0b 16 4-95
IDC XII 06 04 23 27.3–.89 31.13N 142.55E 0 4.1s,3.9b **¶621632570**
JMA XII 06 04 23 30.8–.49 31N–2.0 142E–2.0 0 4.0,3.9b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 06 12 52 57.5–.73 32.52N–.09 141.44E–.08 31 3.9b 30 1-149
IDC XII 06 12 52 52.5–.66 32.45N 141.64E 0 3.9b,3.9 **¶621632597**
NIED XII 06 12 52 58.2 32.56N 141.26E 12 4.1W,3.9
JMA XII 06 12 52 58.2–.45 33N–2.0 141E–2.0 12 3.6,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.45 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.55 $M_{\theta\phi}$-0.14 $M_{\phi r}$1.14 NP1:ϕ_s170.00000°,δ13.00000°,λ56.00000°. NP2:ϕ_s25.00000° ,δ79.00000°,λ97.00000°. M_o1.37000×10^{15}
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC XII 06 05 44 04.8–8.5 30.40N 140.50E 0 3.4b,3.4
¶621632579
IDC Error ellipse: s-maj=335.5km s-min=27.6km az=68.0.
ISC XII 06 09 57 35.6–.60 31.29N–.09 142.42E–.08 49 4.4b,3.2s 103 3-150
IDC XII 06 09 57 28.4–.64 31.18N 142.50E 0 4.1b,4.1 **¶621614092**
MOS XII 06 09 57 29.1–1.5 31.34N 142.72E 18 4.6b,4.1
NEIC XII 06 09 57 31.3–2.5 31.36N–.09 142.4E–.10 10–1 4.4b,4.1
JMA XII 06 09 57 34.0–.47 32N–2.0 142E–2.0 75 3.5,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 07 08 13 08.3–.45 30.71N–.06 138.70E–.07 440 4.0b 119 3-120
JMA XII 07 08 13 03.1–.23 31N–2.0 139E–3.0 452 4.3 **¶621616415**
IDC XII 07 08 13 05.5–.75 30.57N 138.68E 405–8 4.2,3.5b
NEIC XII 07 08 13 05.9–1.9 30.55N–.07 138.7E–.10 406–2 4.5b,3.5b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 06 14 50 10.5–1.1 31.2N–.10 142.4E–.20 37 3.7s,3.6b 12 4-148
IDC XII 06 14 50 05.5–1.0 31.20N 142.34E 0 3.6b,3.5 **¶621632602**
JMA XII 06 14 50 08.8–.53 31N–2.0 142E–3.0 63 3.2,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 06 14 53 38.9–1.2 31.2N–.20 142.4E–.30 37 3.8b,3.5s 9 4-83
IDC XII 06 14 53 33.4–1.2 31.14N 142.44E 0 3.6b,3.6 **¶621632603**
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=19.6km az=74.0.
ISC XII 06 22 32 57.9–.93 31.3N–.10 142.1E–.10 50 3.8b 15 3-93
IDC XII 06 22 32 50.9–.94 31.16N 142.42E 0 3.6b,3.6 **¶621632626**
JMA XII 06 22 32 55.4–.47 31N–2.0 142E–3.0 57 3.6b,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 06 16 53 53.9–2.2 31.3N–.10 142.6E–.40 35 3.4b 9 4-55
IDC XII 06 16 53 45.3–4.8 31.29N 143.63E 0 3.5b,3.4 **¶621632606**
JMA XII 06 16 53 54.1–.27 31N–1.0 142E–3.0 53 3.6,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 06 14 31 49.9–.52 31.29N–.06 142.18E–.08 35 4.2b 77 3-149
IDC XII 06 14 31 44.5–.65 31.20N 142.46E 0 4.0b,4.0 **¶621614098**
NEIC XII 06 14 31 46.6–1.4 31.22N–.07 142.4E–.10 10–1 4.6b,4.0
JMA XII 06 14 31 47.9–.25 31.3N–1.0 142E–3.0 73 3.8,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XII 07 13 08 05.2–5.7 31.20N 142.22E 0 3.3b,3.2
¶621632663
IDC Error ellipse: s-maj=224.3km s-min=23.3km az=71.0.
ISC XII 07 13 08 59.3–1.2 31.2N–.10 142.3E–.20 37 3.7b 9 6-55
IDC XII 07 13 08 53.9–1.3 31.22N 142.32E 0 3.6b,3.6 **¶621632666**
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=18.7km az=75.0.
ISC XII 07 13 09 22.6–1.3 31.2N–.10 142.1E–.20 24 3.6b 8 6-55
IDC XII 07 13 09 19.0–1.3 31.21N 142.11E 0 3.5b,3.5 **¶621632669**
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=19.8km az=76.0.
ISC XII 08 17 45 34.8–1.1 31.1N–.10 142.2E–.20 24 3.5b 8 5-93
IDC XII 08 17 45 31.0–1.1 31.10N 142.24E 0 3.5b,3.5 **¶621634733**
JMA XII 08 17 45 33.7–.35 31N–1.0 142E–3.0 55 3.8,3.5
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC XII 07 15 36 53.2–3.9 31.11N 141.59E 0 3.3b,3.3
¶621632678
IDC Error ellipse: s-maj=163.1km s-min=21.6km az=74.0.
ISC XII 08 18 43 39.3–.84 29.83N–.09 139.1E–.10 421 2.9b 14 4-54
JMA XII 08 18 43 38.9–.14 30N–1.0 139E–2.0 443 2.9 **¶621634740**
IDC XII 08 18 43 38.7–2.7 29.79N 139.00E 409–45 3.5,2.8b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=101.7km s-min=15.7km az=69.0.
ISC XII 09 08 10 42.2–.51 31.14N–.06 142.46E–.08 37 4.4b 118 4-125
IDC XII 09 08 10 36.7–.59 31.09N 142.58E 0 4.1b,4.0 **¶621624276**
NEIC XII 09 08 10 39.0–1.1 31.14N–.01 142.5E–.10 10–1 4.5b,4.0
JMA XII 09 08 10 43.2–.37 31N–2.0 143E–2.0 91 3.5,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 08 17 26 54.0–1.1 31.4N–.10 142.4E–.20 35 3.6b 8 6-68
IDC XII 08 17 26 48.5–1.0 31.24N 142.63E 0 3.6b,3.5 **¶621634727**
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=16.9km az=72.0.
ISC XII 09 17 33 52.8–.94 31.44N–.09 142.3E–.20 49 3.6b 17 4-93
IDC XII 09 17 33 45.9–1.1 31.20N 142.47E 0 3.5b,3.4 **¶621636586**
JMA XII 09 17 33 49.7–.31 31N–1.0 142E–3.0 61 3.2,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 09 08 57 48.6–.40 31.12N–.05 142.61E–.06 10 4.6b,3.1s 182 3-152
IDC XII 09 08 57 46.4–.46 30.87N 142.64E 0 4.3b,4.3 **¶621624279**
MOS XII 09 08 57 47.7–.87 31.03N 142.55E 15 4.8b,4.3
NEIC XII 09 08 57 49.5–1.5 31.12N–.06 142.53E–.09 10–1 4.7b,4.3
JMA XII 09 08 57 54.3–.29 32N–1.0 142.5E–1.0 80 4.0,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 10 01 05 01.9–1.4 33.46N–.04 140.55E–.07 32–11 3.5b 29 1-53
IDC XII 10 01 04 59.5–2.9 33.13N 139.72E 0 3.5b,3.5 **¶621644094**
JMA XII 10 01 05 03.9–.08 33.5N–.20 140.4E–.30 45–1 3.9,3.5
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC XII 10 12 14 06.4–1.2 31.50N–.10 142.7E–.20 49 3.6b 15 3-55
IDC XII 10 12 14 00.5–1.1 31.16N 142.30E 0 3.5b,3.5 **¶621644127**
JMA XII 10 12 14 04.5–.51 32N–2.0 142E–3.0 0 3.7,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 09 21 03 03.0–.84 31.45N–.10 142.4E–.10 49 4.4s,3.8b 25 5-96
IDC XII 09 21 02 55.6–.86 31.19N 142.43E 0 4.3s,3.8b **¶621636595**
JMA XII 09 21 03 03.0–.59 32N–2.0 142E–2.0 65 4.3s,3.8b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 10 08 15 13.5–.81 30.2N–.10 138.7E–.10 443 3.2b 22 3-96
IDC XII 10 08 15 12.0–1.1 30.16N 138.73E 424–10 3.9,3.1b **¶621644112**
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=13.2km az=131.0.
ISC XII 10 05 18 47.5–1.3 31.3N–.10 142.5E–.30 35 3.7b 9 4-55
IDC XII 10 05 18 42.5–1.3 31.30N 142.44E 0 3.7b,3.7 **¶621644106**
JMA XII 10 05 18 45.8–.49 31N–2.0 142E–3.0 37 3.7b,3.7
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 10 17 29 33.3–1.1 31.3N–.10 142.3E–.20 35 3.6b 17 3-55
IDC XII 10 17 29 28.2–1.1 31.03N 142.20E 0 3.5b,3.5 **¶621644138**
JMA XII 10 17 29 33.7–.74 32N–3.0 142E–3.0 0 3.8,3.5
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 10 10 56 09.0–.52 31.30N–.06 142.40E–.09 35 4.3b,3.7s 83 3-93
IDC XII 10 10 56 04.9–.65 31.20N 142.47E 0 4.1b,4.1 **¶621626271**
NEIC XII 10 10 56 04.1–.92 31.18N–.07 142.4E–.10 10–1 4.4b,4.1
JMA XII 10 10 56 07.7–.21 31.3N–.90 142E–2.0 73 4.0,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 10 18 56 16.1–1.7 31.5N–.10 142.7E–.30 50 3.7b 15 3-55
IDC XII 10 18 55 60.0–2.3 32.24N 145.31E 0 3.8b,3.8 **¶621644144**
JMA XII 10 18 56 16.8–.36 32N–1.0 142E–2.0 64 3.2,3.8
ISC Event type se.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XII 11 19 16 49.6–5.0 31.00N 142.08E 0 3.4b,3.3
¶621644205
IDC Error ellipse: s-maj=197.5km s-min=20.3km az=72.0.
ISC XII 10 11 35 59.1–1.2 31.48N–.09 142.6E–.20 49 12 3-54
IDC XII 10 11 35 53.8–1.5 31.27N 142.48E 0 3.6b,3.5 **¶621644124**
JMA XII 10 11 35 56.7–.22 31.3N–.90 142E–2.0 81 3.3,3.5
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 11 21 56 34.6–.38 31.18N–.05 142.17E–.06 24 4.5b,3.6s 186 3-121
IDC XII 11 21 56 30.4–.53 31.05N 142.33E 0 4.2b,4.2 **¶621627512**
JMA XII 11 21 56 33.1–.18 31.2N–.70 142E–1.0 50 4.0,4.2
NEIC XII 11 21 56 33.1–1.5 31.22N–.06 142.15E–.09 10–1 4.6b,4.2
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 11 12 43 16.2–1.6 31.2N–.10 142.0E–.20 24 12 3-55
IDC XII 11 12 43 12.4–4.0 31.06N 142.31E 0 3.5b,3.5 **¶621644189**
JMA XII 11 12 43 17.1–.41 31N–2.0 142E–2.0 75 3.4,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 11 22 59 10.5–1.4 31.5N–.10 142.5E–.20 49 3.7b 13 3-54
IDC XII 11 22 59 03.9–1.8 31.54N 142.59E 0 3.4b,3.3 **¶621644229**
JMA XII 11 22 59 06.2–.52 31N–2.0 142E–4.0 80 3.4,3.3
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 11 23 08 09.6–.57 31.33N–.07 142.25E–.09 49 4.2b 97 3-93
IDC XII 11 23 08 02.6–.68 31.25N 142.32E 0 4.1b,4.1 **¶621644232**
NEIC XII 11 23 08 04.5–1.5 31.27N–.09 142.4E–.10 10–1 4.4b,4.1
JMA XII 11 23 08 05.1–.52 31N–2.0 143E–5.0 72 3.8,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 12 09 19 09.2–2.1 31.8N–.10 142.1E–.40 50 3.5b 7 5-56
JMA XII 12 09 19 00.2–.65 31N–3.0 143E–4.0 81 3.4 **¶621650490**
IDC XII 12 09 19 06.3–3.2 31.42N 140.95E 0 3.5b,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC Error ellipse: s-maj=126.9km s-min=20.2km az=74.0.
ISC XII 12 00 00 46.6–.71 31.21N–.08 142.1E–.10 50 3.7b 22 4-93
IDC XII 12 00 00 40.0–.77 31.12N 142.34E 0 3.7b,3.7 **¶621650457**
JMA XII 12 00 00 42.8–.28 31N–1.0 142E–4.0 77 3.6,3.7
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 12 05 10 49.7–1.7 32.9N–.20 137.3E–.10 450 2.9b 9 2-69
IDC XII 12 05 10 48.6–2.1 32.76N 137.06E 428–13 3.5,2.6b **¶621650468**
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=21.5km az=179.0.
ISC XII 12 02 01 44.0–.68 31.23N–.08 142.28E–.09 37 4.0b 51 2-83
NEIC XII 12 02 01 40.7–1.5 31.1N–.10 142.2E–.20 10–1 4.4b **¶621650462**
JMA XII 12 02 01 41.0–.25 31.2N–.90 143E–1.0 69 3.7
IDC XII 12 02 01 43.2–5.1 31.13N 142.26E 32–37 3.9,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=15.2km az=238.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC Error ellipse: s-maj=22.2km s-min=16.1km az=77.0.
ISC XII 12 02 39 45.0–.89 31.44N–.08 142.4E–.20 49 3.5b 19 3-68
IDC XII 12 02 39 38.6–.98 31.30N 142.25E 0 3.9s,3.5b **¶621650465**
JMA XII 12 02 39 42.3–.27 31N–1.0 142E–3.0 51 3.6,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
JMA XII 12 15 50 53.1–.43 31N–2.0 142E–3.0 86 3.2
IDC XII 12 15 50 47.9–6.2 31.02N 142.33E 0 3.4b,3.4 **¶621650518**
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=254.3km s-min=20.8km az=72.0.
ISC XII 12 10 22 27.7–.36 31.14N–.04 142.25E–.06 24 4.7b 251 2-121
IDC XII 12 10 22 24.3–.55 31.09N 142.32E 0 4.3b,4.3 **¶621627803**
MOS XII 12 10 22 25.3–.90 31.16N 142.23E 17 4.7b,4.3
NEIC XII 12 10 22 26.2–.68 31.11N–.08 142.3E–.10 10–1 4.7b,4.3
JMA XII 12 10 22 26.5–.22 31.2N–.90 142E–1.0 50 4.6,4.3
BJI XII 12 10 22 27.3 31.27N 141.89E 10 4.7s,4.5
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=12.0km az=65.0.
MOS Error ellipse: s-maj=11.8km s-min=5.9km az=114.5.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=13.6km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 12 16 27 59.7–.38 31.19N–.05 142.30E–.06 37 4.5b 254 3-149
IDC XII 12 16 27 53.9–.60 31.06N 142.36E 0 4.2b,4.2 **¶621627818**
BJI XII 12 16 27 54.1 31.25N 142.43E 10 4.9b,4.3s
MOS XII 12 16 27 55.1–.89 31.15N 142.26E 15 4.7b,4.3s
NEIC XII 12 16 27 56.7–.94 31.17N–.07 142.3E–.10 10–1 4.6b,4.3s
JMA XII 12 16 27 56.5–.26 31.2N–1.0 142E–2.0 47 4.3,4.3s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 12 16 33 14.3–.57 31.19N–.07 142.19E–.08 24 4.3b 88 3-93
IDC XII 12 16 33 10.4–.70 31.12N 142.37E 0 4.0b,3.9 **¶621650521**
NEIC XII 12 16 33 12.4–1.1 31.13N–.03 142.2E–.10 10–1 4.5b,3.9
JMA XII 12 16 33 13.0–.24 31.2N–.90 142E–1.0 60 4.0,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 12 16 39 29.8–.48 31.23N–.06 142.27E–.08 37 4.3b 135 3-93
IDC XII 12 16 39 23.9–.67 31.11N 142.41E 0 4.0b,4.0 **¶621627819**
BJI XII 12 16 39 23.5 31.03N 142.69E 28 4.9b,4.2b
NEIC XII 12 16 39 26.4–.96 31.13N–.06 142.2E–.10 10–1 4.5b,4.2b

JMA XII 12 16 39 26.7–.20 31.2N–.80 142E–1.0 67 4.0,4.2b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 12 18 11 32.7–.71 31.16N–.07 142.1E–.10 50 3.6b 27 3-93
IDC XII 12 18 11 26.3–.77 31.12N 142.42E 0 3.7b,3.7 ¶621650527
JMA XII 12 18 11 29.6–.33 31N–1.0 142E–2.0 50 3.6,3.7
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 12 06 14 40.3–1.0 31.2N–.10 142.4E–.20 37 3.6b 14 3-74
IDC XII 12 06 14 34.5–.99 31.10N 142.30E 0 3.6b,3.5 ¶621650473
JMA XII 12 06 14 40.4–.42 31N–2.0 143E–3.0 89 3.3,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 13 05 17 32.6–2.5 31.4N–.10 142.7E–.50 35 3.6b 12 4-55
JMA XII 13 05 17 31.0–.20 31.4N–.90 142E–2.0 52 3.8 ¶621650555
IDC XII 13 05 17 32.3–1.2 31.06N 141.39E 0 3.6b,3.6
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=43.4km s-min=18.9km az=77.0.
ISC XII 12 14 37 34.5–2.1 31.0N–.10 142.2E–.40 24 3.6b 17 4-55
IDC XII 12 14 37 31.3–5.2 30.92N 142.33E 0 3.6b,3.6 ¶621650513
JMA XII 12 14 37 33.5–.20 31.1N–.90 142E–3.0 54 3.7,3.6
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 12 14 41 11.8–1.3 31.07N–.07 142.5E–.20 37 3.5b 18 3-69
IDC XII 12 14 41 05.1–1.3 31.17N 143.11E 0 3.6,3.5b ¶621650514
JMA XII 12 14 41 09.3–.32 31N–1.0 143E–4.0 45 3.7,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 12 23 21 11.0–.76 31.47N–.09 142.16E–.10 50 4.0b 28 3-149
IDC XII 12 23 21 03.4–.73 31.30N 142.37E 0 3.9b,3.9 ¶621650541
JMA XII 12 23 21 09.3–.56 32N–2.0 142E–2.0 72 3.7,3.9
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 13 06 04 27.8–4.2 31.2N–.30 143E–1.0 50 3.6b 10 4-55
IDC XII 13 06 04 24.6–6.4 30.86N 142.06E 0 3.5b,3.5 ¶621650558
JMA XII 13 06 04 26.6–.23 31.1N–.90 142E–2.0 56 3.9,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XII 13 06 51 02.0–1.2 31.12N 142.41E 0 3.5b,3.5
¶621650560
IDC Error ellipse: s-maj=49.8km s-min=21.3km az=85.0.
IDC XII 13 15 18 28.9–9.5 30.61N 141.22E 0 3.3b,3.3
¶621650579
IDC Error ellipse: s-maj=350.3km s-min=35.7km az=67.0.
ISC XII 13 15 24 16.6–.95 31.09N–.08 142.32E–.09 37 3.5b 24 3-69
IDC XII 13 15 24 11.0–.95 30.97N 142.48E 0 3.6,3.4b ¶621650580
JMA XII 13 15 24 14.5–.19 31.1N–.80 142E–1.0 63 3.8,3.4b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 14 13 49 21.5–1.7 31.5N–.10 141.6E–.30 50 3.6b 8 2-55
IDC XII 14 13 49 17.3–2.1 31.21N 141.08E 0 3.5b,3.4 ¶621652923
JMA XII 14 13 49 18.8–.52 32N–2.0 142E–2.0 92 3.3,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 13 18 13 38.9–1.7 31.32N–.10 142.5E–.30 50 3.6b 16 4-55
IDC XII 13 18 13 34.9–1.3 31.17N 142.07E 0 3.5b,3.5 ¶621650588
JMA XII 13 18 13 36.9–.40 31N–2.0 142E–4.0 52 3.4,3.5
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 13 18 16 05.1–1.2 31.32N–.07 142.3E–.10 49 3.5b 19 2-59
IDC XII 13 18 15 58.7–2.5 31.32N 142.79E 0 3.8s,3.4b ¶621650591
JMA XII 13 18 16 04.1–.30 31N–1.0 142E–1.0 61 3.6,3.4b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 13 18 36 17.4–.51 31.06N–.07 142.36E–.09 37 4.2b 74 3-149
IDC XII 13 18 36 11.7–.56 31.02N 142.45E 0 4.1b,4.1 ¶621650593
NEIC XII 13 18 36 14.0–1.6 31.04N–.08 142.34E–.07 10–1 4.6b,4.1
JMA XII 13 18 36 15.1–.32 31N–1.0 143E–2.0 77 3.9,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XII 14 05 14 00.5–7.8 31.22N 142.55E 0 3.5b,3.5
¶621652878
IDC Error ellipse: s-maj=287.4km s-min=27.9km az=71.0.
ISC XII 14 11 40 44.5–1.2 31.2N–.10 142.1E–.10 24 3.6b 10 3-55
JMA XII 14 11 40 47.4–.99 32N–4.0 142E–3.0 0 3.7 ¶621652916
IDC XII 14 11 40 52.1–3.8 31.32N 141.61E 93–36 3.4,3.1b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=44.6km s-min=24.2km az=94.0.
ISC XII 14 09 29 25.1–1.3 31.43N–.08 142.3E–.20 49 3.7b 15 3-55
IDC XII 14 09 29 18.9–3.2 31.46N 142.51E 0 3.6b,3.6 ¶621652909
JMA XII 14 09 29 22.4–.22 31.5N–.80 142E–1.0 60 3.7,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 14 09 31 24.4–.39 31.35N–.05 142.25E–.06 29 4.4b 173 2-152
IDC XII 14 09 31 19.8–.56 31.34N 142.30E 0 4.1b,4.0 ¶621629207
MOS XII 14 09 31 20.5–.80 31.35N 142.15E 15 4.5b,4.0
NEIC XII 14 09 31 21.9–.86 31.46N–.06 142.2E–.10 10–1 4.5b,4.0
JMA XII 14 09 31 22.7–.33 31N–1.0 142E–2.0 63 3.9,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XII 13 23 47 40.0–16 30.57N 141.32E 0 3.6b,3.6
¶621650610
IDC Error ellipse: s-maj=630.4km s-min=33.7km az=67.0.
ISC XII 14 06 05 13.9–.79 32.47N–.09 138.01E–.08 376 3.7b 36 2-95
JMA XII 14 06 05 08.4–.27 32N–3.0 138E–2.0 408 3.3 ¶621652887
IDC XII 14 06 05 12.5–.99 32.26N 137.89E 364–7 4.0,3.3b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=20.4km s-min=15.2km az=14.0.
JMA XII 14 18 43 49.3–.26 31N–1.0 142E–4.0 46 3.5
¶635665062
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 14 15 42 22.3–.89 31.47N–.07 142.4E–.10 49 3.6b 24 3-55
IDC XII 14 15 42 16.3–1.0 31.31N 142.69E 0 3.7,3.6b ¶621652932
JMA XII 14 15 42 20.7–.26 31N–1.0 142E–2.0 57 3.8,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 14 21 30 07.1–1.1 31.55N–.08 142.5E–.10 49 4.0b 19 3-55
IDC XII 14 21 30 02.2–1.6 31.30N 142.45E 0 3.9b,3.9 ¶621652959
JMA XII 14 21 30 05.3–.24 31.5N–1.0 142E–2.0 73 3.7,3.9
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 14 16 44 15.7–.55 31.37N–.06 142.38E–.08 49 4.2b 76 2-93
IDC XII 14 16 44 08.1–.72 31.10N 142.56E 0 3.9b,3.9 ¶621652937
JMA XII 14 16 44 11.8–.33 31N–1.0 143E–2.0 79 3.9,3.9
NEIC XII 14 16 44 11.7–1.4 31.38N–.06 142.40E–.09 10–1 4.4b,3.9
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 00 50 45.2–.78 31.32N–.07 142.1E–.10 50 3.8b 21 3-93
IDC XII 15 00 50 38.8–1.1 31.27N 142.44E 0 3.8b,3.7 ¶621654064
JMA XII 15 00 50 41.2–.28 31N–1.0 142E–3.0 56 3.8,3.7

ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 14 22 28 54.8–1.5 31.2N–.10 142.4E–.20 37 3.6b 13 3-51
IDC XII 14 22 28 46.9–2.6 31.18N 143.14E 0 3.6,3.5b ¶621652968
JMA XII 14 22 28 53.9–.69 31N–3.0 142E–3.0 53 3.5,3.5b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC XII 14 22 29 02.6–8.6 30.92N 142.15E 0 3.6b,3.6
¶635938306
IDC Error ellipse: s-maj=329.3km s-min=26.6km az=69.0.
IDC XII 14 22 32 34.3–1.7 31.09N 139.67E 0 3.5s,3.4
¶621652969
IDC Error ellipse: s-maj=76.4km s-min=23.8km az=87.0.
ISC XII 14 15 32 02.5–.55 31.20N–.06 142.47E–.07 37 4.1b 80 3-93
IDC XII 14 15 31 55.9–.73 30.99N 142.67E 0 3.8b,3.8 ¶621652931
JMA XII 14 15 31 60.0–.20 31.1N–.70 142E–1.0 51 4.1,3.8
NEIC XII 14 15 31 59.1–1.5 31.14N–.08 142.5E–.10 10–1 4.4b,3.8
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 15 01 29 39.6–1.8 30.93N 139.92E 0 3.4b,3.4
¶621654068
IDC Error ellipse: s-maj=84.3km s-min=18.4km az=88.0.
JMA XII 14 23 22 04.2–.54 32N–2.0 143E–2.0 73 3.6
¶635665183
JMA Event type ke. FAR E OFF IZU ISLANDS .
JMA XII 15 01 44 20.3–.52 32N–2.0 142E–2.0 0 3.7
¶635665244
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 14 23 40 10.4–.91 29.18N–.07 141.0E–.20 90 4.0b 22 2-95
JMA XII 14 23 40 09.2–.13 29N–1.0 141E–5.0 145 4.0 ¶621652973
IDC XII 14 23 40 10.2–3.6 29.07N 140.68E 93–32 3.9,3.6b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=51.1km s-min=24.1km az=92.0.
ISC XII 15 04 00 19.9–.35 31.37N–.04 142.21E–.06 35 4.5b,3.5s 251 2-152
BJI XII 15 04 00 11.0 31.21N 142.65E 10 4.8b,4.6b ¶621630191
IDC XII 15 04 00 13.9–.52 31.29N 142.37E 0 4.3b,4.2
MOS XII 15 04 00 14.5–.90 31.34N 142.26E 11 4.6b,4.2
GFZ XII 15 04 00 15.6–.60 31N–5.0 143E–11 10 4.7b,4.7
JMA XII 15 04 00 16.9–.34 32N–1.0 142E–1.0 78 4.0,4.7
NIED XII 15 04 00 16.9 31.50N 142.48E 78 4.1W,4.7
NEIC XII 15 04 00 16.7–1.1 31.38N–.08 142.31E–.07 10–1 4.7b,4.7
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.61 $M_{\theta\theta}$0.24 $M_{\phi\phi}$1.37 $M_{r\theta}$-0.47 $M_{\theta\phi}$-0.72 $M_{\phi r}$0.40 NP1:ϕ_s343.00000°,δ36.00000°,λ-76.00000°. NP2:ϕ_s145.00000° ,δ55.00000°,λ-100.00000°. M_o1.78000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 00 00 01.1–1.0 31.40N–.08 142.3E–.20 35 3.6b 10 3-93
IDC XII 14 23 59 57.9–5.1 31.80N 142.31E 0 3.5b,3.5 ¶621652974
JMA XII 14 23 59 59.1–.31 31N–1.0 142E–2.0 71 3.5b,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 15 02 19 23.6–.73 30.98N–.07 142.2E–.10 35 4.0b 40 3-93
IDC XII 15 02 19 18.4–.90 30.96N 142.50E 0 3.8b,3.8 ¶621654070
JMA XII 15 02 19 20.0–.26 31.0N–1.0 142E–2.0 57 3.8,3.8
NEIC XII 15 02 19 21.9–1.3 31.0N–.10 142.0E–.20 10–2 4.2b,3.8
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA XII 15 04 09 57.0–.32 31N–1.0 142E–3.0 55 3.5
¶635665309
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 15 00 00 34.3–.57 31.34N–.06 142.19E–.09 29 4.1b 59 3-149
IDC XII 15 00 00 29.9–.70 31.34N 142.41E 0 3.9b,3.9 ¶635665201
NEIC XII 15 00 00 32.3–1.2 31.41N–.06 142.2E–.10 10–1 4.3b,3.9
JMA XII 15 00 00 32.3–.27 31.4N–1.0 142E–2.0 55 3.9,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 15 10 57 45.6–1.0 31.51N–.07 142.7E–.10 49 3.9b 17 3-56
IDC XII 15 10 57 42.1–1.4 31.42N 142.67E 0 3.8b,3.8 ¶621654103
JMA XII 15 10 57 45.0–.32 31N–1.0 142E–4.0 85 3.3,3.8
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 15 00 41 02.0–.41 30.99N–.05 142.14E–.07 35 4.7b 127 3-149
IDC XII 15 00 40 56.8–.57 30.88N 142.33E 0 4.2b,4.1 ¶621630196
NEIC XII 15 00 40 58.6–1.2 31.00N–.07 142.25E–.09 10–1 4.9b,4.1
NIED XII 15 00 40 59.1 31.06N 142.39E 73 3.8W,4.1
BJI XII 15 00 40 59.8 31.10N 141.75E 10 4.8b,4.5b
JMA XII 15 00 40 59.1–.20 31.1N–.80 142E–2.0 73 4.4,4.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.27 $M_{\theta\theta}$1.84 $M_{\phi\phi}$2.43 $M_{r\theta}$1.54 $M_{\theta\phi}$-4.36 $M_{\phi r}$2.88 NP1:ϕ_s287.00000°,δ49.00000°,λ-139.00000°. NP2:ϕ_s167.00000° ,δ60.00000°,λ-49.00000°. M_o6.59000×10^{14}
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 15 02 53 05.2–.37 31.47N–.04 142.17E–.06 50 4.6b,3.6s 274 2-152
MOS XII 15 02 52 58.2–.90 31.43N 142.23E 10 4.7b,3.6s ¶621630200
BJI XII 15 02 52 58.3 31.46N 142.19E 5 5.0b,4.6b
IDC XII 15 02 52 58.1–.55 31.34N 142.35E 0 4.3b,4.3
GFZ XII 15 02 53 00.1–.41 31N–4.0 142E–7.0 10 5.9,5.8
NEIC XII 15 02 53 00.4–1.0 31.50N–.09 142.2E–.10 10–1 4.7b,5.8
NIED XII 15 02 53 00.5 31.48N 142.46E 66 4.4W,5.8
JMA XII 15 02 53 00.5–.20 31.5N–.70 142.5E–1.0 66 4.3,5.8
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.18 $M_{\theta\theta}$0.71 $M_{\phi\phi}$3.47 $M_{r\theta}$-1.45 $M_{\theta\phi}$-1.36 $M_{\phi r}$1.02 NP1:ϕ_s348.00000°,δ36.00000°,λ-72.00000°. NP2:ϕ_s146.00000° ,δ56.00000°,λ-103.00000°. M_o4.47000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 15 11 29 27.9–1.4 31.23N–.08 142.6E–.20 37 11 3-55
IDC XII 15 11 29 27.5–2.6 30.86N 141.13E 0 3.8s,3.7b ¶621654104
JMA XII 15 11 29 27.5–.28 31N–1.0 142E–3.0 54 3.3,3.7b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 15 03 05 31.7–.67 31.46N–.07 142.22E–.09 29 4.2b 46 3-149
IDC XII 15 03 05 27.3–.79 31.26N 142.37E 0 4.1b,4.0 ¶621654074
NEIC XII 15 03 05 29.7–1.9 31.44N–.09 142.1E–.10 10–1 4.2b,4.0
JMA XII 15 03 05 31.7–.28 32N–1.0 142E–1.0 88 3.7,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XII 15 12 02 57.7–5.5 31.13N 142.29E 0 3.4b,3.3
¶621654107
IDC Error ellipse: s-maj=214.7km s-min=23.0km az=71.0.
ISC XII 15 16 25 35.2–.51 31.52N–.05 142.34E–.07 49 4.1b 82 2-93
IDC XII 15 16 25 28.6–.71 31.37N 142.36E 0 4.0b,4.0 ¶621654124
JMA XII 15 16 25 31.7–.25 31.5N–1.0 142E–1.0 83 3.9,4.0

NEIC XII 15 16 25 31.3–1.6 31.49N–.06 142.25E–.09 10–1 4.4b,4.0
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 16 58 41.6–.53 31.42N–.06 142.32E–.08 49 4.1b 72 3-121
IDC XII 15 16 58 35.1–.72 31.34N 142.49E 0 3.9b,3.8 **¶621654126**
JMA XII 15 16 58 37.9–.33 31N–1.0 142E–2.0 54 3.9,3.8
NEIC XII 15 16 58 37.4–1.6 31.51N–.05 142.34E–.10 10–1 4.4b,3.8
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 07 11 13.3–.59 31.55N–.08 142.06E–.08 50 4.3b,3.1s 83 2-149
IDC XII 15 07 11 05.5–.60 31.33N 142.30E 0 4.1b,4.1 **¶621654085**
JMA XII 15 07 11 07.7–.14 31.4N–.50 142.4E–.90 61 4.1,4.1
NIED XII 15 07 11 07.7 31.44N 142.38E 61 4.0W,4.1
NEIC XII 15 07 11 08.1–.91 31.41N–.09 142.22E–.10 10–1 4.5b,4.1
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.00 $M_{\theta\theta}$0.11 $M_{\phi\phi}$0.89 $M_{r\theta}$0.01 $M_{\theta\phi}$-0.36 $M_{\phi r}$0.10 NP1:ϕ_s336.00000°,δ43.00000°,λ-93.00000°. NP2:ϕ_s161.00000°,δ48.00000°,λ-87.00000°. M_o1.02000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 17 12 40.3–.39 31.46N–.04 142.32E–.06 49 4.6b,3.6s 217 2-152
IDC XII 15 17 12 33.9–.55 31.40N 142.43E 0 4.3b,4.2 **¶621630765**
NEIC XII 15 17 12 35.6–1.9 31.50N–.08 142.34E–.09 10–1 4.6b,4.2
MOS XII 15 17 12 35.5–1.2 31.49N 142.35E 22 4.8b,4.2
NIED XII 15 17 12 37.0 31.50N 142.41E 72 4.1W,4.2
JMA XII 15 17 12 37.0–.21 31.5N–.80 142.4E–.90 72 4.1,4.2
BJI XII 15 17 12 38.1 31.41N 142.28E 39 4.9b,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=15.0km s-min=11.9km az=44.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=13.4km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.2km s-min=5.9km az=112.3.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.95 $M_{\theta\theta}$0.16 $M_{\phi\phi}$0.80 $M_{r\theta}$-0.55 $M_{\theta\phi}$-0.35 $M_{\phi r}$1.25 NP1:ϕ_s336.00000°,δ17.00000°,λ-90.00000°. NP2:ϕ_s156.00000°,δ73.00000°,λ-90.00000°. M_o1.67000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 15 21 35 14.8–.57 31.08N–.06 142.38E–.08 37 4.3b 82 3-93
IDC XII 15 21 35 09.2–.74 30.96N 142.52E 0 4.0b,4.0 **¶621654145**
NEIC XII 15 21 35 11.7–.94 31.01N–.07 142.3E–.10 10–1 4.5b,4.0
JMA XII 15 21 35 12.5–.28 31.1N–1.0 142E–2.0 53 4.2,4.0
NIED XII 15 21 35 12.5 31.07N 142.47E 53 3.7W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=13.6km az=57.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.5km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.58 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$3.78 $M_{r\theta}$0.21 $M_{\theta\phi}$-1.93 $M_{\phi r}$-1.98 NP1:ϕ_s147.00000°,δ33.00000°,λ-107.00000°. NP2:ϕ_s347.00000°,δ58.00000°,λ-79.00000°. M_o4.55000×10^{14}
IDC XII 15 23 05 59.5–4.6 30.87N 141.90E 0 3.7b,3.6
¶621654150
IDC Error ellipse: s-maj=188.6km s-min=22.1km az=73.0.
ISC XII 15 18 58 20.0–.50 31.33N–.05 142.28E–.07 35 4.5b 144 2-149
BJI XII 15 18 58 14.7 31.37N 142.16E 5 4.9b,4.4b **¶621630885**
IDC XII 15 18 58 15.1–.67 31.23N 142.38E 0 4.2b,4.1
NEIC XII 15 18 58 16.8–1.2 31.36N–.09 142.3E–.10 10–1 4.6b,4.1
NIED XII 15 18 58 16.9 31.39N 142.42E 64 4.2W,4.1
JMA XII 15 18 58 16.9–.19 31.4N–.70 142E–1.0 64 4.1,4.1
GFZ XII 15 18 58 18.2–.72 31N–6.0 142E–9.0 10 4.6b,4.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.64 $M_{\theta\theta}$0.34 $M_{\phi\phi}$1.30 $M_{r\theta}$-1.04 $M_{\theta\phi}$-0.53 $M_{\phi r}$1.79 NP1:ϕ_s340.00000°,δ19.00000°,λ-82.00000°. NP2:ϕ_s151.00000°,δ71.00000°,λ-93.00000°. M_o2.61000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC XII 15 23 07 05.4–5.2 30.91N 142.35E 0 3.6b,3.6
¶621654151
IDC Error ellipse: s-maj=204.5km s-min=22.4km az=72.0.
ISC XII 16 06 48 57.8–.57 31.48N–.07 141.63E–.09 35 4.3b 63 2-93
IDC XII 16 06 48 52.1–.75 31.27N 141.78E 0 4.0b,4.0 **¶621655766**
NEIC XII 16 06 48 55.1–1.3 31.58N–.05 141.7E–.10 10–1 4.4b,4.0
JMA XII 16 06 48 56.3–.43 32N–2.0 142E–2.0 80 3.8,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 16 03 46 23.4–.82 31.59N–.09 142.3E–.10 49 3.6b 20 3-93
IDC XII 16 03 46 17.1–.87 31.46N 142.58E 0 3.6b,3.6 **¶621655752**
JMA XII 16 03 46 19.4–.38 31N–1.0 143E–2.0 76 3.5,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 16 03 51 59.1–.66 31.45N–.04 142.36E–.05 13–3 4.8b,3.5s 480 2-152
BJI XII 16 03 51 55.9 31.36N 142.59E 12 4.7b,4.6b **¶621630955**
IDC XII 16 03 51 57.1–.44 31.40N 142.43E 0 4.6b,4.5
MOS XII 16 03 51 57.5–.76 31.43N 142.37E 13 4.9b,4.5
JMA XII 16 03 51 59.7–.24 31.5N–.90 142E–1.0 88 4.2,4.5
GFZ XII 16 03 51 59.7–.22 31N–4.0 142E–4.0 10 4.8b,4.8b
NEIC XII 16 03 51 59.3–1.2 31.50N–.07 142.33E–.09 10–1 4.8b,4.8b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 21 29 00.1–.84 31.0N–.10 142.2E–.10 35 3.6b 19 3-93
IDC XII 15 21 28 54.7–.75 30.92N 142.29E 0 3.7b,3.7 **¶621630889**
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=13.8km az=63.0.
ISC XII 15 21 29 04.6–.94 31.06N–.05 142.27E–.06 16–5 4.7b,4.0s 220 3-149
IDC XII 15 21 29 01.7–.52 30.94N 142.39E 0 4.3b,4.3 **¶621654143**
MOS XII 15 21 29 02.1–.97 30.96N 142.23E 12 4.9b,4.3
BJI XII 15 21 29 03.2 31.02N 141.99E 8 4.7b,4.5b
NEIC XII 15 21 29 04.3–1.4 30.99N–.08 142.08E–.10 10–1 4.8b,4.5b
GFZ XII 15 21 29 04.1–.71 31N–5.0 142E–13 10 4.7b,4.7
NIED XII 15 21 29 05.0 31.11N 142.36E 49 4.0W,4.7
JMA XII 15 21 29 05.0–.33 31N–1.0 142E–1.0 49 4.6,4.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.89 $M_{\theta\theta}$0.25 $M_{\phi\phi}$0.64 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.69 $M_{\phi r}$0.54 NP1:ϕ_s294.00000°,δ52.00000°,λ-136.00000°. NP2:ϕ_s173.00000°,δ57.00000°,λ-47.00000°. M_o1.30000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 16 07 04 43.4–.68 31.52N–.08 142.26E–.08 49 4.0b 50 3-148
IDC XII 16 07 04 35.9–.75 31.27N 142.43E 0 3.8b,3.7 **¶621655767**
NEIC XII 16 07 04 37.9–1.3 31.26N–.10 142.4E–.10 10–1 4.1b,3.7
JMA XII 16 07 04 38.2–.33 31N–1.0 142E–2.0 97 3.4,3.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 16 00 52 18.2–1.2 31.53N–.07 142.2E–.20 50 3.6b 19 3-55
IDC XII 16 00 52 09.6–1.2 31.66N 143.02E 0 3.4b,3.4 **¶621655741**
JMA XII 16 00 52 16.6–.31 32N–1.0 142E–1.0 63 3.6,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 16 14 14 46.1–1.4 31.1N–.10 142.3E–.20 50 3.6b 14 3-55
IDC XII 16 14 14 36.5–2.3 31.28N 143.21E 0 3.6b,3.6 **¶621655787**
JMA XII 16 14 14 46.3–.50 31N–2.0 142E–2.0 77 3.4,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 16 20 15 36.9–1.1 33.25N–.10 138.55E–.08 300 25 1-47
JMA XII 16 20 15 34.5–.39 33N–3.0 139E–2.0 294 3.2 **¶621655808**
IDC XII 16 20 15 37.4–2.2 33.12N 138.52E 294–22 3.7,3.2b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=61.5km s-min=40.6km az=50.0.
ISC XII 16 11 57 43.1–.70 31.41N–.07 142.1E–.10 50 3.7b 21 3-93
IDC XII 16 11 57 36.7–.89 31.34N 142.44E 0 3.7b,3.7 **¶621655775**
JMA XII 16 11 57 39.0–.26 31N–1.0 142E–2.0 76 3.7,3.7
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 16 22 55 08.2–.44 31.27N–.04 142.21E–.07 50 4.5b,4.1s 175 3-149
MOS XII 16 22 55 00.8–.75 31.26N 142.39E 12 4.8b,4.1s **¶621631483**
IDC XII 16 22 55 01.0–.58 31.22N 142.38E 0 4.2b,4.2
JMA XII 16 22 55 02.8–.23 31.3N–.90 142E–3.0 48 4.0,4.2
NEIC XII 16 22 55 03.7–.90 31.3N–.10 142.3E–.10 10–1 4.5b,4.2
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 16 16 11 32.0–2.2 30.82N 140.89E 0 3.6b,3.5
¶621655793
IDC Error ellipse: s-maj=76.2km s-min=19.6km az=72.0.
IDC XII 16 23 57 06.6–5.3 30.94N 142.25E 0 3.6b,3.6
¶621655815
IDC Error ellipse: s-maj=215.3km s-min=21.3km az=72.0.
ISC XII 16 16 33 28.1–5.1 31.1N–.50 143E–1.0 37 3.3b 6 5-55
IDC XII 16 16 33 24.0–5.2 30.86N 142.25E 0 3.2b,3.2 **¶621655794**
JMA XII 16 16 33 26.2–.73 31N–3.0 142E–3.0 0 3.8,3.2
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 17 06 06 05.9–1.4 31.4N–.10 142.4E–.20 49 3.5b 14 3-55
IDC XII 17 06 05 57.9–3.1 31.48N 142.93E 0 3.6,3.5b **¶621656915**
JMA XII 17 06 06 04.8–.38 32N–2.0 142E–2.0 84 3.5,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XII 17 00 30 13.6–7.7 31.00N 142.53E 0 3.9s,3.6b
¶621656898
IDC Error ellipse: s-maj=303.7km s-min=21.4km az=71.0.
ISC XII 16 22 07 18.6–2.2 31.1N–.10 143.1E–.50 30 3.7b 12 4-55
IDC XII 16 22 07 17.6–4.6 30.87N 142.14E 0 3.7b,3.7 **¶621655812**
JMA XII 16 22 07 18.8–.27 31N–1.0 142E–4.0 57 3.7,3.7
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 17 06 32 02.5–2.0 31.13N–.09 142.6E–.40 37 3.6b 12 4-55
IDC XII 17 06 31 58.3–6.0 31.06N 142.50E 0 3.6b,3.6 **¶621656916**
JMA XII 17 06 32 00.9–.34 31N–1.0 142E–3.0 50 3.7,3.6
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 17 08 19 32.0–.66 31.56N–.07 142.33E–.09 49 3.9b 52 3-148
IDC XII 17 08 19 25.4–.70 31.43N 142.33E 0 3.8b,3.8 **¶621656926**
JMA XII 17 08 19 27.7–.16 31.5N–.70 142E–2.0 78 3.9,3.8
NEIC XII 17 08 19 27.6–1.2 31.5N–.10 142.3E–.10 10–1 4.3b,3.8
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 06 40 38.7–.59 31.01N–.06 142.30E–.09 37 4.0b 49 3-149
IDC XII 17 06 40 33.6–.76 31.04N 142.38E 0 3.9b,3.9s **¶621656918**
JMA XII 17 06 40 34.4–.34 31N–1.0 142E–3.0 57 3.9,3.9s
NEIC XII 17 06 40 35.9–.67 31.0N–.10 142.3E–.20 10–1 4.2b,3.9s
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 08 40 00.3–.39 31.53N–.04 142.40E–.06 10 4.5b,3.4s 240 3-152
IDC XII 17 08 39 58.5–.52 31.43N 142.35E 0 4.3b,4.2 **¶621631546**
MOS XII 17 08 39 59.2–1.1 31.50N 142.33E 13 4.7b,4.2
BJI XII 17 08 39 59.2 31.60N 142.20E 5 4.4b,4.4b
GFZ XII 17 08 40 00.9–.30 31N–5.0 142E–4.0 10 5.2b,4.6b
NEIC XII 17 08 40 01.0–1.1 31.50N–.09 142.4E–.10 10–1 4.7b,4.6b
JMA XII 17 08 40 03.5–.36 32N–1.0 142E–1.0 94 3.9,4.6b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 17 19 42 17.6–1.7 31.6N–.10 142.4E–.30 49 3.5b 13 3-56
IDC XII 17 19 42 12.9–2.4 31.24N 142.07E 0 3.4b,3.4 **¶621656948**
JMA XII 17 19 42 14.4–.25 31N–1.0 142E–3.0 59 3.7,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
JMA XII 17 10 42 28.6–.31 31N–1.0 142E–2.0 57 3.9
¶635666772
JMA Event type ke. FAR E OFF IZU ISLANDS .
JMA XII 18 11 06 24.3–.71 31N–3.0 142E–2.0 77 3.7
¶635667333
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 18 04 22 35.2–.98 32.5N–.10 137.97E–.08 350 3.1b 19 2-71
IDC XII 18 04 22 14.8–3.5 32.69N 138.67E 159–33 3.8,3.4b **¶621656971**
JMA XII 18 04 22 33.4–.27 33N–3.0 138E–2.0 380 3.1,3.4b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
ISC XII 19 15 44 28.8–1.8 33.27N–.08 140.9E–.10 49–22 19 1-57
IDC XII 19 15 44 25.4–1.8 32.91N 139.90E 0 3.9b,3.6 **¶621657085**
JMA XII 19 15 44 29.1–.10 33.3N–.40 140.9E–.40 51–1 3.1,3.6
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC XII 19 01 51 55.4–.40 31.42N–.04 142.29E–.06 49 4.5b,3.4s 172 2-148
IDC XII 19 01 51 48.4–.63 31.30N 142.50E 0 4.2b,4.2 **¶621633609**
MOS XII 19 01 51 48.6–.72 31.38N 142.33E 13 4.6b,4.2
BJI XII 19 01 51 49.6 31.54N 142.24E 10 4.8s,4.8b
JMA XII 19 01 51 51.1–.23 31.5N–.80 142E–1.0 80 4.4,4.8b
NEIC XII 19 01 51 51.0–1.3 31.47N–.09 142.3E–.10 10–1 4.5b,4.8b
NIED XII 19 01 51 51.1 31.45N 142.47E 80 4.3W,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=15.2km s-min=11.7km az=56.0.
MOS Error ellipse: s-maj=13.2km s-min=6.0km az=120.8.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=14.3km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.89 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$0.97 $M_{r\theta}$-1.84 $M_{\theta\phi}$0.31 $M_{\phi r}$2.00 NP1:ϕ_s27.00000°,δ14.00000°,λ-27.00000°. NP2:ϕ_s143.00000°,δ84.00000°,λ-103.00000°. M_o2.83000×10^{15}
ISC XII 19 02 40 53.2–1.5 31.5N–.10 142.4E–.20 50 3.6b 10 3-55
IDC XII 19 02 40 44.0–2.1 31.70N 143.29E 0 3.5,3.4b **¶621657050**

JMA XII 19 02 40 49.9–.28 31N–1.0 142E–2.0 90 3.5,3.4b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XII 19 11 52 55.7–3.5 31.12N 142.87E 0 3.7b,3.6
¶621657073
IDC Error ellipse: s-maj=97.6km s-min=25.9km az=73.0.
IDC XII 19 11 53 51.5–16 31.51N 142.76E 0 3.7b,3.5
¶621657076
IDC Error ellipse: s-maj=649.6km s-min=28.6km az=69.0.
IDC XII 19 12 04 57.7–10 31.44N 142.31E 0 3.4b,3.3
¶621657077
IDC Error ellipse: s-maj=207.0km s-min=43.8km az=93.0.
IDC XII 18 21 37 40.4–7.7 31.11N 142.60E 0 3.4b,3.4
¶621657036
IDC Error ellipse: s-maj=294.2km s-min=21.0km az=70.0.
ISC XII 19 10 59 39.3–.93 31.1N–.10 142.3E–.10 37 3.8b 21 3-81
IDC XII 19 10 59 33.4–.86 30.93N 142.44E 0 3.7,3.6b **¶621657072**
JMA XII 19 10 59 38.5–.60 31N–2.0 142E–3.0 69 3.9,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 19 18 13 37.8–.77 31.65N–.10 142.28E–.10 35 3.8b 23 3-148
IDC XII 19 18 13 31.7–.71 31.41N 142.43E 0 3.7b,3.7 **¶621657090**
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=12.1km az=59.0.
ISC XII 20 01 03 46.1–.53 31.23N–.07 142.20E–.08 24 4.4b 102 3-93
IDC XII 20 01 03 42.0–.63 31.14N 142.26E 0 4.1b,4.1 **¶621633817**
NEIC XII 20 01 03 44.4–1.7 31.16N–.02 142.2E–.10 10–1 4.4b,4.1
JMA XII 20 01 03 45.2–.31 31N–1.0 142E–2.0 79 4.1,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
IDC XII 19 21 28 02.1–6.4 31.00N 142.39E 0 3.4b,3.4
¶621657106
IDC Error ellipse: s-maj=250.3km s-min=21.5km az=72.0.
ISC XII 19 20 13 06.8–1.5 31.7N–.10 142.8E–.20 50 3.4b 10 3-56
IDC XII 19 20 13 01.8–6.3 31.33N 142.44E 0 4.0s,3.3b **¶621657097**
JMA XII 19 20 13 07.3–.38 32N–2.0 142E–2.0 100 3.3,3.3b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
JMA XII 20 12 25 12.3–.20 31.5N–.80 142E–2.0 67 3.5
¶635668739
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 20 01 45 36.3–1.8 31.0N–.20 141.6E–.40 50 3.5b 12 3-55
JMA XII 20 01 45 31.7–.29 31.2N–1.0 143E–5.0 48 3.7 **¶635668470**
IDC XII 20 01 45 34.7–1.2 30.67N 139.15E 0 3.5b,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC Error ellipse: s-maj=59.2km s-min=15.5km az=95.0.
ISC XII 20 17 22 27.8–.83 33.31N–.05 140.80E–.07 35 4.2b 62 1-86
IDC XII 20 17 22 22.9–1.0 33.33N 140.91E 0 4.1b,4.1 **¶621634795**
JMA XII 20 17 22 27.5–.11 33.4N–.50 140.7E–.60 38–2 4.1,4.0
NIED XII 20 17 22 27.5 33.35N 140.73E 38 3.8W,4.0
NEIC XII 20 17 22 29.6–2.1 33.27N–.08 140.60E–.08 42–9 4.4b,4.0
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.22 $M_{\theta\theta}$4.89 $M_{\phi\phi}$-4.67 $M_{r\theta}$-2.95 $M_{\theta\phi}$-1.63 $M_{\phi r}$-1.30 NP1:ϕ_s326.00000°,δ58.00000°,λ2.00000°. NP2:ϕ_s235.00000°,δ88.00000°,λ148.00000°. M_o5.96000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 18 00 24.1–.84 31.12N–.07 142.2E–.10 24 3.7b 18 3-93
IDC XII 20 18 00 20.6–.96 31.05N 142.47E 0 3.6b,3.6 **¶621685634**
JMA XII 20 18 00 23.2–.26 31N–1.0 142E–3.0 63 3.6,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 21 12 43 00.3–.41 31.43N–.05 142.28E–.06 35 4.5b,3.1s 161 3-152
BJI XII 21 12 42 53.8 31.76N 142.85E 10 4.8b,4.5b **¶621636605**
MOS XII 21 12 42 55.4–1.2 31.35N 142.19E 10 4.7b,4.5b
IDC XII 21 12 42 55.3–.61 31.32N 142.34E 0 4.1b,4.1
NEIC XII 21 12 42 56.3–1.3 31.38N–.08 142.26E–.09 10–1 4.5b,4.1
NIED XII 21 12 42 58.3 31.46N 142.46E 97 4.1W,4.1
JMA XII 21 12 42 58.3–.25 31.5N–.90 142E–1.0 97 3.8,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.54 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$1.63 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.41 $M_{\phi r}$0.36 NP1:ϕ_s342.00000°,δ39.00000°,λ-97.00000°. NP2:ϕ_s172.00000°,δ51.00000°,λ-84.00000°. M_o1.67000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 21 01 05 05.5–.58 31.06N–.05 142.31E–.09 37 4.2b 53 3-93
IDC XII 21 01 05 00.1–.92 31.04N 142.54E 0 3.9b,3.8 **¶621685652**
NEIC XII 21 01 05 02.5–1.2 31.10N–.08 142.3E–.10 10–1 4.4b,3.8
JMA XII 21 01 05 03.0–.21 31.2N–.80 142E–2.0 65 4.0,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 21 02 30 22.3–.75 31.45N–.04 142.40E–.05 14–4 5.0b,3.7s 554 2-152
BJI XII 21 02 30 18.0 31.45N 142.75E 13 5.1b,4.7b **¶621635025**
IDC XII 21 02 30 19.8–.47 31.31N 142.49E 0 4.7b,4.6
NIED XII 21 02 30 22.1 31.36N 142.45E 70 4.6W,4.6
GFZ XII 21 02 30 22.2–.25 31N–3.0 143E–4.0 10 7.4,7.3
JMA XII 21 02 30 22.1–.23 31.4N–.80 142E–1.0 70 4.3,7.3
MOS XII 21 02 30 22.5–.82 31.65N 142.39E 17 5.2b,7.3
NEIC XII 21 02 30 22.6–1.0 31.54N–.07 142.40E–.07 10–1 5.0b,4.7
GCMT XII 21 02 30 24.9–.40 31.25N–.04 142.46E–.05 14–1 4.7W,4.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-5.15 $M_{\theta\theta}$2.74 $M_{\phi\phi}$2.41 $M_{r\theta}$-1.87 $M_{\theta\phi}$-1.70 $M_{\phi r}$6.15 NP1:ϕ_s304.00000°,δ20.00000°,λ-120.00000°. NP2:ϕ_s156.00000°,δ72.00000°,λ-80.00000°. M_o7.90000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112210230A. Moment Tensor Solution. s3,c3; s80,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.44±.17 $M_{\theta\theta}$0.59±.09; $M_{\phi\phi}$0.85±.10; $M_{r\theta}$-0.41±.22; $M_{\theta\phi}$-0.52±.05; $M_{\phi r}$0.27±.27; Best double couple: NP1:ϕ_s327.00000°,δ36.00000°,λ-82.00000°. NP2:ϕ_s136.00000°,δ55.00000°,λ-96.00000°. Principal axes:
T 1.3380,Plg9.0000°,Azm231.0000°; N 0.1970,Plg5.0000°,Azm140.0000°
; P -1.5310,Plg79.0000°,Azm23.0000° M_o1.43400×10^{16}
ISC XII 21 02 46 04.4–1.8 31.46N–.05 142.49E–.06 1–11 4.7b,3.6s 266 3-152
BJI XII 21 02 46 02.2 31.42N 142.83E 14 4.9b,4.5b **¶621635026**
IDC XII 21 02 46 03.4–.50 31.24N 142.52E 0 4.4b,4.4
MOS XII 21 02 46 04.5–.94 31.39N 142.50E 15 4.8b,4.4
JMA XII 21 02 46 05.8–.19 31.3N–.70 142E–1.0 63 4.2,4.4
NEIC XII 21 02 46 06.5–1.6 31.54N–.07 142.46E–.09 10–1 4.7b,4.4
GFZ XII 21 02 46 06.2–.24 31N–4.0 142E–4.0 10 5.2b,4.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 21 03 36 21.4–1.3 31.6N–.20 142.3E–.10 49 3.9b 16 3-148
IDC XII 21 03 36 14.3–1.8 31.43N 142.64E 0 3.7b,3.7 **¶621685661**
JMA XII 21 03 36 15.9–.15 31.3N–.60 142E–1.0 57 3.9,3.7
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 21 13 04 57.6–.83 31.45N–.08 142.4E–.10 49 3.8b 22 2-68
IDC XII 21 13 04 51.5–1.0 31.26N 142.38E 0 3.7,3.6b **¶621685686**
JMA XII 21 13 04 54.9–.33 31N–1.0 142E–2.0 78 3.4,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 21 13 35 55.9–.58 31.47N–.07 142.10E–.08 29 4.1b 50 3-93
IDC XII 21 13 35 51.4–1.0 31.13N 141.86E 0 3.7b,3.7 **¶621636612**
JMA XII 21 13 35 52.1–.27 31N–1.0 142E–1.0 89 3.5,3.7
NEIC XII 21 13 35 53.6–1.4 31.4N–.10 142.1E–.10 10–1 4.4b,3.7
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 14 42 45.1–1.1 31.50N–.08 142.3E–.10 49 3.5b 20 3-55
IDC XII 21 14 42 38.0–1.1 31.31N 142.58E 0 3.5b,3.5 **¶621685692**
JMA XII 21 14 42 43.9–.27 32N–1.0 142E–2.0 81 3.3,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 21 10 34 46.1–.51 31.06N–.05 142.29E–.08 37 4.0b 86 3-87
IDC XII 21 10 34 41.1–.75 30.97N 142.44E 0 4.0,3.9b **¶621635086**
NEIC XII 21 10 34 42.6–1.1 31.11N–.09 142.3E–.10 10–1 4.1b,3.9b
JMA XII 21 10 34 43.7–.18 31.1N–.70 142E–2.0 49 4.2,3.9b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 21 18 44 24.7–.86 31.05N–.06 142.4E–.20 37 3.5b 19 4-81
IDC XII 21 18 44 20.3–.93 31.20N 142.32E 0 3.5b,3.5 **¶621685698**
JMA XII 21 18 44 22.2–.26 31N–1.0 143E–4.0 67 3.4,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC XII 21 16 58 00.5–10 31.74N 142.53E 136–138 3.2,2.9b
¶621685695
IDC Error ellipse: s-maj=131.8km s-min=88.8km az=47.0.
IDC XII 22 15 40 14.8–319 30.00N 137.08E 0
¶621686777
IDC Error ellipse: s-maj=137.4km s-min=118.4km az=72.0.
ISC XII 21 17 14 55.5–1.3 31.19N–.08 142.3E–.20 37 3.5b 15 3-55
IDC XII 21 17 14 50.8–2.6 31.12N 142.53E 0 3.4b,3.4 **¶621685696**
JMA XII 21 17 14 53.3–.18 31.2N–.70 142E–2.0 57 3.5,3.4
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 22 01 00 40.1–.58 31.09N–.06 142.28E–.09 37 4.3b,3.1s 63 3-93
IDC XII 22 01 00 34.7–.70 31.02N 142.47E 0 4.0b,4.0 **¶621637440**
JMA XII 22 01 00 36.9–.13 31.1N–.50 142.4E–.80 55 4.0,4.0
NEIC XII 22 01 00 37.3–1.3 31.2N–.10 142.2E–.10 10–1 4.4b,4.0
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 16 29 01.7–.42 31.17N–.05 142.24E–.06 35 4.6s,4.4b 170 3-152
IDC XII 21 16 28 55.7–.59 31.08N 142.30E 0 4.1b,4.1 **¶621636624**
MOS XII 21 16 28 56.3–1.1 31.14N 142.26E 13 4.5b,4.1
NEIC XII 21 16 28 58.5–1.5 31.18N–.09 142.2E–.10 10–1 4.6b,4.1
JMA XII 21 16 28 59.5–.55 31N–2.0 142E–2.0 73 4.0,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 21 16 42 41.3–.42 31.18N–.03 142.30E–.04 16–2 5.2b,4.6s 956 3-167
BJI XII 21 16 42 37.6 31.16N 142.45E 15 5.1b,4.9s **¶621636619**
IDC XII 21 16 42 38.5–.44 31.08N 142.37E 0 4.8b,4.8
NEIC XII 21 16 42 40.8–.90 31.22N–.08 142.3E–.10 10–1 5.3b,5.1
MOS XII 21 16 42 41.1–1.0 31.13N 142.29E 24 5.5b,4.6s
NIED XII 21 16 42 41.5 31.23N 142.38E 76 4.8W,4.6s
JMA XII 21 16 42 41.5–.30 31N–1.0 142E–1.0 76 5.0W,4.9
GCMT XII 21 16 42 43.9–.10 31.15N–.01 142.30E–.01 12 5.1W,4.9
GFZ XII 21 16 42 44.9 31.14N 142.23E 30 5.2W,4.9
GFZ XII 21 16 42 44.9–.26 31N–2.0 142E–2.0 36–1 5.7b,5.4
BGR XII 21 16 42 49.4 31.75N 141.63E 42–0 5.3b,4.6s
ISC Event type ke.
IDC Error ellipse: s-maj=13.6km s-min=9.7km az=50.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.5km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.7km s-min=4.0km az=118.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.92 $M_{\theta\theta}$0.33 $M_{\phi\phi}$0.58 $M_{r\theta}$0.11 $M_{\theta\phi}$-1.11 $M_{\phi r}$1.39 NP1:ϕ_s285.00000°,δ37.00000°,λ-151.00000°. NP2:ϕ_s171.00000°,δ73.00000°,λ-57.00000°. M_o1.96000×10^{16}
JMA Event type ke. NEAR TORISHIMA IS .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112211642A. Moment Tensor Solution. s46,c70; s137,c226; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.88±.06 $M_{\theta\theta}$1.42±.07; $M_{\phi\phi}$3.46±.06; $M_{r\theta}$-0.24±.23; $M_{\theta\phi}$-1.65±.05; $M_{\phi r}$1.61±.20; Best double couple: NP1:ϕ_s326.00000°,δ36.00000°,λ-99.00000°. NP2:ϕ_s157.00000°,δ54.00000°,λ-83.00000°. Principal axes:
T 4.6250,Plg9.0000°,Azm242.0000°; N 0.5550,Plg5.0000°,Azm333.0000°
; P -5.1810,Plg79.0000°,Azm93.0000° M_o4.90300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.55 $M_{\theta\theta}$1.78 $M_{\phi\phi}$3.77 $M_{r\theta}$-1.09 $M_{\theta\phi}$-1.79 $M_{\phi r}$4.18 NP1:ϕ_s159.00008°,δ64.91313°,λ-83.13813°. NP2:ϕ_s323.15497°,δ25.94967°,λ-104.31667°. Principal axes: T 6.3080,Plg19.6338°,Azm243.8539°; N 0.8613,Plg6.2119°,Azm336.0792°
; P -7.1693,Plg69.3290°,Azm82.8469° M_o6.77982×10^{16}
GFZ Error ellipse: s-maj=5.0km s-min=4.9km az=105.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
ISC XII 21 16 46 59.1–.56 31.15N–.04 142.35E–.05 10–3 4.9b,4.8s 297 3-152
IDC XII 21 16 46 57.2–.52 31.04N 142.38E 0 4.4b,4.4 **¶621636623**
BJI XII 21 16 46 58.8 31.10N 142.40E 10 4.9s,4.9b
JMA XII 21 16 46 59.0–.21 31.1N–.70 142E–2.0 38 4.6,4.9b
MOS XII 21 16 46 59.4–.99 31.09N 142.38E 24 4.9b,4.8s
NEIC XII 21 16 46 59.4–1.0 31.11N–.08 142.3E–.10 10–1 5.0b,4.8s
GFZ XII 21 16 47 00.0–.22 31N–4.0 143E–4.0 10 5.6,5.5
GCMT XII 21 16 47 09.6–.50 31.21N–.05 142.40E–.03 21–1 4.8W,5.5
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112211646A. Moment Tensor Solution. s15,c16; s75,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.23±.18 $M_{\theta\theta}$0.42±.10; $M_{\phi\phi}$1.81±.11; $M_{r\theta}$0.55±.23; $M_{\theta\phi}$-0.41±.07; $M_{\phi r}$-0.17±.16; Best double couple: NP1:ϕ_s174.00000°,δ42.00000°,λ-75.00000°. NP2:ϕ_s334.00000°,δ50.00000°,λ-103.00000°. Principal axes:
T 1.9480,Plg4.0000°,Azm73.0000°; N 0.3910,Plg10.0000°,Azm343.0000°
; P -2.3410,Plg79.0000°,Azm187.0000° M_o2.14400×10^{16}
IDC XII 22 04 09 47.5–1.4 31.26N 142.20E 0 3.3b,3.3
¶621686744
IDC Error ellipse: s-maj=54.7km s-min=29.4km az=98.0.
ISC XII 21 21 33 27.4–.79 31.04N–.06 142.1E–.10 24 3.7b 23 3-81
IDC XII 21 21 33 25.0–.77 31.15N 142.46E 0 3.7b,3.7 **¶621685707**
JMA XII 21 21 33 29.1–.34 31N–1.0 142E–1.0 53 3.8,3.7
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 22 22 38 33.3–.57 31.39N–.05 142.38E–.09 49 4.2b 69 3-76
IDC XII 22 22 38 26.2–.87 31.32N 142.66E 0 3.9b,3.9 **¶621686793**
NEIC XII 22 22 38 28.6–1.3 31.37N–.09 142.5E–.10 10–1 4.3b,3.9
JMA XII 22 22 38 30.9–.29 31N–1.0 142E–3.0 61 4.0,3.9
ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 25 13 58 14.9–1.4 33.26N–.07 140.99E–.09 50 20 1-57
IDC XII 25 13 58 13.0–1.3 32.77N 138.66E 0 3.6b,3.5 ¶621700156
JMA XII 25 13 58 15.0–.13 33.3N–.50 141.0E–.50 50–2 3.3,3.5
ISC Event type se.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC XII 23 04 42 01.3–.74 30.16N–.07 138.9E–.10 421 3.0b 22 3-56
IDC XII 23 04 42 01.6–.88 30.06N 138.76E 415–13 3.7,2.8b ¶621686806
JMA XII 23 04 42 02.2–.31 30N–2.0 139E–3.0 426 3.3,2.8b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 23 13 59 38.5–.78 31.30N–.06 142.2E–.10 50 3.8b 28 3-93
IDC XII 23 13 59 33.0–.88 31.43N 142.48E 0 3.7b,3.7 ¶621686828
JMA XII 23 13 59 34.9–.22 31.4N–.90 142E–1.0 52 3.7,3.7
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 24 05 33 32.7–.72 31.10N–.07 142.2E–.10 24 3.6b 17 3-93
IDC XII 24 05 33 29.0–.88 31.01N 142.46E 0 3.6b,3.6 ¶621700073
JMA XII 24 05 33 31.9–.35 31N–1.0 142E–4.0 57 3.4,3.6
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
JMA XII 25 03 39 17.0–.12 30.2N–.80 141E–4.0 46 4.2
¶635671626
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 23 15 55 57.0–4.2 31.35N–.05 142.30E–.07 3–26 4.2b 119 3-93
IDC XII 23 15 55 56.9–.72 31.26N 142.40E 0 3.9b,3.9 ¶621686835
NEIC XII 23 15 55 58.9–1.5 31.34N–.05 142.27E–.07 10–1 4.4b,3.9
JMA XII 23 15 56 02.2–.47 32N–2.0 142E–2.0 66 3.7,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
JMA XII 24 00 40 16.2–.32 32N–1.0 142E–2.0 76 3.5
¶635670927
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 24 10 38 58.9–2.4 31.0N–.30 142.2E–.50 35 3.8b 6 3-55
IDC XII 24 10 38 56.0–3.7 30.81N 141.46E 0 3.6b,3.6 ¶621700080
JMA XII 24 10 38 57.6–.66 31N–3.0 142E–3.0 72 3.7,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 24 23 46 05.1–.82 31.6N–.10 141.7E–.10 35 4.0b 39 2-93
IDC XII 24 23 45 59.9–.93 31.55N 141.86E 0 3.9b,3.8 ¶621700108
NEIC XII 24 23 46 01.5–.83 31.5N–.10 141.6E–.20 10–2 4.0b,3.8
JMA XII 24 23 46 02.9–.41 32N–2.0 142E–2.0 101 3.4,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 26 06 51 54.7–.34 31.13N–.04 142.19E–.06 10 4.8b,3.9s 452 3-152
BJI XII 26 06 51 53.1 31.23N 142.25E 12 5.1b,4.7b ¶621653497
NEIC XII 26 06 51 55.2–.94 31.21N–.08 142.25E–.07 10–1 4.8b,4.7b
NIED XII 26 06 51 55.8 31.19N 142.26E 50 4.4W,4.7b
GFZ XII 26 06 51 55.3–.29 31N–6.0 142E–4.0 10 5.4b,4.9
JMA XII 26 06 51 55.8–.25 31N–1.0 142E–2.0 50 4.7,4.9
MOS XII 26 06 51 56.5–.97 31.21N 142.20E 29 5.0b,4.9
IDC XII 26 06 51 59.0–1.6 31.16N 142.22E 37–13 4.6,4.4b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.5km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.65 $M_{\theta\theta}$1.08 $M_{\phi\phi}$2.57 $M_{r\theta}$0.31 $M_{\theta\phi}$-1.84 $M_{r\phi}$3.45 NP1:ϕ_s307.00000°,δ30.00000°,λ-128.00000°. NP2:ϕ_s170.00000°,δ67.00000°,λ-70.00000°. $M_0$5.07000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. NEAR TORISHIMA IS .
MOS Error ellipse: s-maj=9.7km s-min=4.7km az=117.2.
IDC Error ellipse: s-maj=12.5km s-min=8.5km az=77.0.
ISC XII 26 22 26 37.4–.99 32.86N–.06 140.90E–.08 35 4.0s,3.9b 34 1-67
IDC XII 26 22 26 35.8–1.5 32.34N 139.19E 0 3.9s,3.6b ¶621700265
NEIC XII 26 22 26 37.4–.83 32.28N–.03 139.6E–.10 10–1 4.3b,3.6b
JMA XII 26 22 26 38.4–.16 32.9N–.60 140.9E–.70 53–4 3.6,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC XII 26 09 02 50.5–1.1 31.0N–.10 142.5E–.20 37 3.4b 6 6-69
IDC XII 26 09 02 45.0–1.1 30.99N 142.49E 0 3.4b,3.4 ¶621700210
JMA XII 26 09 02 49.3–.60 31N–3.0 142E–3.0 69 3.4b,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 26 10 42 59.9–1.2 32.6N–.10 137.9E–.10 376 3.0b 15 1-156
JMA XII 26 10 42 57.9–.33 32N–3.0 138E–2.0 359 3.1 ¶621700214
IDC XII 26 10 42 58.1–2.2 32.34N 137.97E 341–25 3.5,2.9b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=48.0km s-min=24.4km az=60.0.
ISC XII 27 10 30 06.0–.68 31.32N–.08 142.18E–.09 29 4.3b 58 3-93
IDC XII 27 10 30 00.9–.75 31.11N 142.32E 0 4.0b,3.9 ¶621717309
NEIC XII 27 10 30 03.4–1.5 31.21N–.08 142.22E–.07 10–1 4.5b,3.9
JMA XII 27 10 30 05.0–.64 31N–3.0 142E–2.0 60 4.0,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 27 06 39 56.9–.88 31.28N–.09 142.2E–.10 50 3.7b 19 3-93
JMA XII 27 06 39 53.7–.19 31.2N–.80 142E–1.0 76 3.5 ¶621717293
IDC XII 27 06 39 57.9–1.0 31.25N 141.99E 50–9 3.5,3.3b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=30.5km s-min=12.4km az=60.0.
ISC XII 27 04 40 25.9–.73 31.3N–.10 142.1E–.10 50 3.9b 54 3-149
IDC XII 27 04 40 18.2–.69 31.10N 142.37E 0 3.9b,3.8 ¶621717287
JMA XII 27 04 40 20.7–.18 31.2N–.70 142E–1.0 69 3.8,3.8
NEIC XII 27 04 40 20.9–2.0 31.2N–.10 142.1E–.20 10–2 4.2b,3.8
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 12 36 01.1–.63 31.18N–.06 142.50E–.08 37 3.9b,2.9s 40 3-93
IDC XII 28 12 35 55.5–.56 30.98N 142.57E 0 3.9,3.8b ¶621717388
JMA XII 28 12 35 57.7–.19 31.1N–.70 142E–1.0 72 4.1,3.8b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 27 15 29 01.9–1.4 31.1N–.10 142.0E–.20 24 3.6b 12 2-55
IDC XII 27 15 29 00.2–3.8 30.95N 141.37E 0 3.6b,3.5 ¶621717321
JMA XII 27 15 29 01.7–.40 31N–2.0 142E–1.0 23 3.7,3.5
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 28 17 51 10.5–1.4 31.8N–.10 141.8E–.20 29 3.8b 12 2-56
JMA XII 28 17 51 02.6–.50 31N–2.0 142E–2.0 71 3.5 ¶621717405
IDC XII 28 17 51 02.8–2.1 31.95N 142.97E 0 3.7b,3.7
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=54.9km s-min=15.5km az=56.0.
ISC XII 28 18 04 02.0–1.3 31.20N–.09 142.6E–.10 35 3.6b 22 3-55
IDC XII 28 18 03 55.3–2.2 31.24N 143.09E 0 3.5b,3.5 ¶621717406
JMA XII 28 18 04 01.3–.48 31N–2.0 143E–2.0 89 3.4,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 28 21 25 29.0–1.3 32.98N–.09 142.4E–.10 33 3.4b 11 2-53
IDC XII 28 21 25 23.8–1.5 33.03N 142.79E 0 3.4b,3.3 ¶621717417
JMA XII 28 21 25 28.0–.27 33.2N–1.0 143E–1.0 43 3.3,3.3
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 29 01 17 36.8–3.7 31.3N–.30 142.3E–.40 50 3.6b 9 3-55
JMA XII 29 01 17 33.1–.44 31N–2.0 142E–3.0 72 3.5 ¶621724178
IDC XII 29 01 17 37.6–2.9 31.40N 141.03E 0 3.7b,3.7
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=88.6km s-min=24.0km az=76.0.
ISC XII 28 20 11 32.2–.55 31.58N–.07 142.29E–.07 49 4.2b 77 3-78
IDC XII 28 20 11 26.1–.79 31.37N 142.59E 0 3.8b,3.8 ¶621717414
NEIC XII 28 20 11 27.3–2.6 31.60N–.10 142.2E–.10 10–1 4.3b,3.8
JMA XII 28 20 11 31.4–.53 32N–2.0 142E–2.0 96 3.3,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 29 08 42 09.6–2.5 30.8N–.20 141.4E–.60 37 3.5b 8 3-55
IDC XII 29 08 42 02.1–3.1 30.86N 142.13E 0 3.5b,3.5 ¶621724192
JMA XII 29 08 42 05.9–.89 31N–4.0 143E–5.0 74 3.3,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 29 08 53 27.2–.54 31.10N–.06 142.16E–.10 35 4.2b 66 3-93
IDC XII 29 08 53 21.8–.73 31.07N 142.33E 0 3.9b,3.8 ¶621724193
NEIC XII 29 08 53 24.6–1.6 31.20N–.09 142.2E–.10 10–1 4.3b,3.8
JMA XII 29 08 53 24.9–.22 31.2N–.90 142E–1.0 55 3.9,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 29 10 58 43.5–1.4 31.12N–.08 142.5E–.20 37 3.5b 17 3-55
JMA XII 29 10 58 42.7–.27 31N–1.0 142E–3.0 62 3.9 ¶621724207
IDC XII 29 10 58 46.3–.90 30.43N 140.43E 0 3.7,3.6b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=35.8km s-min=11.6km az=73.0.
ISC XII 29 11 30 47.1–1.2 31.05N–.08 142.2E–.20 35 3.8b 20 3-55
IDC XII 29 11 30 39.0–1.7 31.35N 143.41E 0 3.8,3.7b ¶621724208
JMA XII 29 11 30 45.3–.21 31.1N–.80 142E–1.0 63 4.2,3.7b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 29 11 33 59.8–.42 31.01N–.04 142.40E–.07 37 4.4b,3.4s 158 3-149
IDC XII 29 11 33 54.4–.51 31.09N 142.50E 0 4.2b,4.2 ¶621657113
MOS XII 29 11 33 54.5–1.1 31.03N 142.45E 12 4.6b,4.2
NEIC XII 29 11 33 56.4–1.2 31.05N–.09 142.4E–.10 10–1 4.6b,4.2
JMA XII 29 11 33 57.2–.21 31.1N–.80 142E–1.0 90 4.2,4.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
IDC XII 31 10 01 08.7–3.5 30.78N 141.75E 0 3.4b,3.4
¶621726056
IDC Error ellipse: s-maj=135.7km s-min=17.1km az=73.0.
ISC XII 30 06 08 46.2–.73 30.98N–.08 142.1E–.10 24 4.0b 37 3-78
IDC XII 30 06 08 42.6–.94 30.91N 142.03E 0 4.4s,3.8b ¶621725993
NEIC XII 30 06 08 44.8–.48 30.9N–.10 141.9E–.20 10–1 4.3b,3.8b
JMA XII 30 06 08 44.6–.22 31.1N–.90 142E–2.0 64 3.7,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XII 30 23 22 42.1–.75 31.0N–.10 142.3E–.10 37 3.9b 28 3-83
IDC XII 30 23 22 36.0–.80 30.93N 142.50E 0 3.9,3.8b ¶621726035
NEIC XII 30 23 22 38.8–.91 30.98N–.05 142.4E–.20 10–1 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 21 50 13.8–11 31N–1.0 143E–3.0 30 3.5b 6 7-55
IDC XII 29 21 50 11.7–5.8 30.94N 142.44E 0 3.6b,3.5 ¶621724260
ISC Event type se.
IDC Error ellipse: s-maj=224.1km s-min=18.8km az=71.0.
ISC XII 30 07 08 11.0–.97 32.45N–.09 138.85E–.07 288–6 3.7b 40 1-80
JMA XII 30 07 08 09.9–.59 32N–3.0 139E–2.0 293–4 3.8 ¶621725995
IDC XII 30 07 08 10.2–1.2 32.37N 138.95E 286–9 4.1,3.5b
ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
IDC Error ellipse: s-maj=33.9km s-min=22.3km az=68.0.
ISC XII 31 19 31 38.9–1.2 32.95N–.08 142.4E–.10 50 3.5b 19 2-67
IDC XII 31 19 31 31.7–1.2 32.90N 142.70E 0 3.5b,3.5 ¶621726079
JMA XII 31 19 31 36.5–.19 33.1N–.90 142.5E–.70 55–3 3.7,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 31 14 31 38.0–.61 31.16N–.06 142.35E–.07 37 4.1b 58 3-62
IDC XII 31 14 31 30.6–1.8 31.24N 143.26E 0 3.8,3.7b ¶621726067
NEIC XII 31 14 31 34.8–1.3 31.12N–.08 142.30E–.06 10–1 4.3b,3.7b
JMA XII 31 14 31 36.9–.22 31.1N–.80 142E–2.0 64 3.8,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .

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JMA VII 05 03 11 52.0–.31 29N–2.0 141E–4.0 47 4.0
¶626140486
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
IDC VII 06 06 14 06.7–1.2 28.98N 140.24E 416–29 3.7,2.9b
¶620928006
IDC Error ellipse: s-maj=107.0km s-min=19.3km az=70.0.
ISC VII 06 15 20 46.5–.69 28.72N–.06 139.2E–.10 400 3.6b 35 3-62
IDC VII 06 15 20 44.3–2.0 28.54N 138.76E 361–39 3.8,3.0b ¶620928043
NEIC VII 06 15 20 45.4–1.3 28.62N–.10 138.9E–.20 375–10 4.0b,3.0b
JMA VII 06 15 20 47.7–.16 29N–1.0 140E–3.0 430 3.4,3.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
ISC VII 06 15 25 08.7–.46 28.03N–.06 139.21E–.07 500 3.9b 101 3-153
IDC VII 06 15 25 08.6–.58 28.07N 139.32E 505–7 4.0,3.2b ¶620928044
NEIC VII 06 15 25 10.5–.78 28.1N–.10 139.2E–.10 519–8 4.0b,3.2b
JMA VII 06 15 25 10.2–.17 28N–2.0 139E–3.0 513 3.6,3.2b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
ISC VII 07 17 46 46.0–.83 27.0N–.10 141.44E–.08 35 3.8b 14 1-85
IDC VII 07 17 46 46.0–4.2 26.95N 141.38E 33–33 3.7,3.6b ¶620928134
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=16.6km az=151.0.
ISC VII 08 02 26 48.4–1.5 27.0N–.10 143.7E–.10 35 3.6b 7 1-54
IDC VII 08 02 26 42.8–2.2 26.96N 144.02E 0 3.6,3.5b ¶620928151
ISC Event type se.
IDC Error ellipse: s-maj=51.9km s-min=26.8km az=82.0.
ISC VII 08 11 09 32.3–.74 27.38N–.08 140.8E–.10 150 3.8b 45 1-151
IDC VII 08 11 09 30.4–1.2 27.33N 140.74E 129–9 3.8,3.5b ¶620928178
NEIC VII 08 11 09 31.0–1.9 27.34N–.10 140.7E–.10 130–9 4.3b,3.5b
JMA VII 08 11 09 32.9–.12 27.5N–.70 142E–2.0 175 4.0,3.5b
ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC VII 09 03 51 59.6–1.7 27.2N–.20 143.6E–.10 10 3.8b 11 1-149
IDC VII 09 03 51 55.6–1.3 26.90N 143.78E 0 3.8b,3.6 **¶620928221**
JMA VII 09 03 52 02.7–.80 27N–3.0 143E–3.0 15 4.0,3.6
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC VII 09 06 19 09.2–.59 27.44N–.07 141.69E–.09 35 4.3b,3.4s 38 1-150
IDC VII 09 06 19 04.2–.77 27.53N 141.54E 0 3.9b,3.8 **¶620928230**
NEIC VII 09 06 19 06.6–2.0 27.51N–.04 141.56E–.05 10–1 4.5b,3.8
JMA VII 09 06 19 11.8–.09 27.4N–.60 142E–2.0 45 4.1,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR CHICHIJIMA ISLAND .
ISC VII 12 22 28 21.1–.73 28.10N–.05 142.8E–.10 22 4.2b,3.6s 56 1-118
IDC VII 12 22 28 18.1–.97 28.05N 142.98E 0 4.0b,4.0 **¶620928507**
NEIC VII 12 22 28 19.5–1.9 28.11N–.06 142.8E–.10 10–1 4.4b,4.0
NIED VII 12 22 28 21.3 28.23N 142.63E 38 3.9W,4.0
JMA VII 12 22 28 21.3–.14 28.2N–.50 143E–2.0 38–3 4.3,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}6.86 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-7.20 $M_{r\theta}$0.15 $M_{\theta\phi}$1.02 $M_{\phi r}$3.57 NP1:ϕ_s167.00000°,δ32.00000°,λ82.00000°. NP2:ϕ_s357.00000°,δ58.00000°,λ95.00000°. $M_0$7.95000×10^{14}
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC VII 17 09 11 18.5–.59 28.14N–.07 140.1E–.10 450 3.6b 48 2-151
IDC VII 17 09 11 16.9–.54 28.09N 139.92E 425–6 4.0,3.3b **¶620928760**
JMA VII 17 09 11 18.3–.11 28N–1.0 140E–2.0 450 3.8,3.3b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC VII 18 12 53 33.4–1.3 28.55N 141.37E 0 3.5b,3.5
¶620928816
IDC Error ellipse: s-maj=75.1km s-min=14.6km az=70.0.
ISC VII 17 21 42 05.4–.70 28.29N–.08 139.6E–.10 500 3.5b 33 3-82
IDC VII 17 21 42 05.4–1.0 28.28N 139.70E 502–13 4.0,3.2b **¶620928791**
JMA VII 17 21 42 06.9–.17 28N–2.0 140E–3.0 501 3.5,3.2b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC VII 19 16 00 14.9–.60 27.24N–.07 140.3E–.10 400 3.8b 40 2-151
IDC VII 19 16 00 14.6–1.0 27.22N 140.25E 395–11 4.1,3.3b **¶620928879**
JMA VII 19 16 00 16.8–.20 28N–2.0 141E–4.0 410 3.8,3.3b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
JMA VII 21 21 35 22.6–.23 27N–1.0 141E–3.0 430–3 3.7
¶626156670
JMA Event type ke. W OFF OGASAWARA .
JMA VII 28 11 54 36.7–.18 27N–2.0 141E–4.0 530 3.7
¶626161482
JMA Event type ke. W OFF OGASAWARA .
ISC VII 25 17 55 27.2–.85 27.33N–.10 141.1E–.20 250 3.3b 15 1-77
IDC VII 25 17 55 26.5–.68 27.24N 141.24E 252–19 3.5,3.0b **¶620973785**
JMA VII 25 17 55 28.2–.20 27N–1.0 141E–4.0 261 4.0,3.0b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
JMA VIII 01 21 24 04.1–.22 26N–1.0 144E–1.0 30 3.9
¶626287330
JMA Event type ke. FAR E OFF OGASAWARA .
ISC VII 29 22 10 15.2–.68 26.43N–.08 140.8E–.10 400 3.6b 40 1-86
IDC VII 29 22 10 16.3–1.6 26.39N 140.58E 416–17 4.1,3.3b **¶620984145**
JMA VII 29 22 10 17.9–.24 27N–2.0 141E–4.0 409 4.1,3.3b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
IDC VII 30 20 50 15.6–2.9 27.96N 141.84E 0 3.6b,3.6
¶620986090
IDC Error ellipse: s-maj=123.4km s-min=31.0km az=75.0.
JMA VII 30 17 54 35.3–.25 28N–1.0 141E–2.0 155 4.1
¶626163169
JMA Event type ke. W OFF OGASAWARA .
ISC VIII 11 04 57 45.5–.82 26.81N–.10 142.91E–.07 10 3.9b 31 1-80
NEIC VIII 11 04 57 44.9–.37 26.88N–.05 143.02E–.06 10–1 4.4b **¶621009316**
IDC VIII 11 04 57 44.1–.98 26.69N 142.68E 0 3.8,3.7b
JMA VIII 11 04 57 46.5–.10 26.9N–.20 143.0E–.40 18 3.9,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC VIII 09 07 09 29.4–.62 28.46N–.06 142.2E–.20 10 4.2b,3.2s 50 1-98
IDC VIII 09 07 09 28.4–.69 28.53N 142.06E 0 3.9b,3.9 **¶621007238**
NEIC VIII 09 07 09 29.6–.96 28.44N–.05 142.4E–.20 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA VIII 20 02 19 23.3–.10 28.4N–.60 142E–2.0 43 3.9
¶626300909
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC VIII 18 22 14 12.4–.67 27.27N–.08 140.9E–.10 336 3.8b 38 1-124
IDC VIII 18 22 14 10.4–.60 27.13N 140.91E 316–7 4.2,3.5b **¶621030425**
JMA VIII 18 22 14 13.6–.28 27N–1.0 141E–3.0 336–3 4.8,3.5b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC VIII 18 03 35 33.9–.56 28.88N–.06 142.2E–.10 10 4.2b 38 2-95
IDC VIII 18 03 35 33.5–.93 28.97N 142.03E 0 3.8b,3.7 **¶621030333**
NEIC VIII 18 03 35 35.9–.99 28.89N–.06 142.2E–.10 20–5 4.5b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 00 38 11.9–3.1 28.0N–.30 142.5E–.90 25 4.0b 7 24-78
IDC VIII 27 00 38 07.5–3.1 28.02N 142.62E 0 3.8b,3.8 **¶621072114**
ISC Event type se.
IDC Error ellipse: s-maj=131.2km s-min=28.1km az=75.0.
ISC VIII 22 04 57 43.4–.80 28.85N–.07 139.5E–.10 423 3.2b 24 3-81
IDC VIII 22 04 57 41.5–.83 28.84N 139.44E 398–15 3.7,3.0b **¶621043056**
JMA VIII 22 04 57 44.4–.36 29N–1.0 140E–5.0 420 3.3,3.0b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC VIII 22 05 14 43.3–.81 27.5N–.10 140.0E–.20 479 3.7b 17 2-77
IDC VIII 22 05 14 41.9–.52 27.53N 140.40E 475–16 4.3,3.4b **¶621043058**
JMA VIII 22 05 14 47.0–.40 28N–2.0 140E–5.0 448 4.3,3.4b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC VIII 23 08 31 30.0–.37 27.86N–.05 139.87E–.06 478 4.2b 303 2-152
IDC VIII 23 08 31 31.0–1.1 27.88N 139.82E 495–12 4.5,3.6b **¶620999734**
NIED VIII 23 08 31 30.6 27.95N 140.05E 496 4.3W,3.6b
JMA VIII 23 08 31 30.6–.17 28N–2.0 140E–3.0 496 4.5,3.6b
NEIC VIII 23 08 31 31.4–.91 27.85N–.08 139.8E–.10 492–6 4.2b,3.6b
GFZ VIII 23 08 31 31.1–.39 28N–4.0 140E–4.0 491–4 4.3b,4.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.61 $M_{\theta\theta}$2.32 $M_{\phi\phi}$-1.71 $M_{r\theta}$0.73 $M_{\theta\phi}$-1.51 $M_{\phi r}$-1.48 NP1:ϕ_s65.00000°,δ55.00000°,λ-171.00000°. NP2:ϕ_s330.00000°,δ82.00000°,λ-35.00000°. $M_0$3.04000×10^{15}
JMA Event type fe. W OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 09 01 32 45.6–.42 28.00N–.06 139.81E–.07 500 4.0b 142 2-152
IDC IX 09 01 32 45.3–.99 27.97N 139.71E 491–10 4.4,3.5b **¶621105818**
NEIC IX 09 01 32 45.7–1.2 27.97N–.10 139.8E–.10 493–7 4.1b,3.5b
JMA IX 09 01 32 45.5–.13 28N–1.0 140E–2.0 496 3.8,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
ISC VIII 31 21 42 49.8–.62 28.46N–.05 143.42E–.08 40 4.0b 58 2-86
IDC VIII 31 21 42 43.3–1.1 28.31N 143.73E 0 3.9,3.8L **¶621076645**
NEIC VIII 31 21 42 46.0–1.9 28.45N–.07 143.6E–.10 10–1 4.2b,3.8L
JMA VIII 31 21 42 49.9–.30 28.4N–.90 143E–3.0 109 4.1,3.8L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
JMA IX 01 18 46 48.4–.16 28N–1.0 140E–3.0 508 3.9
¶626520427
JMA Event type ke. W OFF OGASAWARA .
ISC IX 06 21 50 33.2–.61 28.14N–.07 139.7E–.10 400 3.4b 29 2-122
IDC IX 06 21 50 32.4–.61 28.16N 140.02E 407–10 4.0,3.2b **¶621094287**
JMA IX 06 21 50 35.7–.31 28N–1.0 139E–3.0 359 4.7,3.2b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC IX 04 07 30 22.9–.45 28.25N–.06 139.43E–.07 500 4.2b 161 3-97
NEIC IX 04 07 30 22.9–1.7 28.2N–.10 139.4E–.10 491–9 4.2b **¶621030593**
JMA IX 04 07 30 22.5–.11 28N–1.0 140E–2.0 510 3.7
IDC IX 04 07 30 23.0–1.1 28.23N 139.39E 499–11 4.5,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=15.3km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=11.1km s-min=10.2km az=105.0.
ISC IX 16 09 50 08.8–.59 27.11N–.07 140.0E–.10 350 3.8b 53 2-97
IDC IX 16 09 50 09.6–.67 27.22N 140.22E 355–7 3.9,3.2b **¶621112880**
NEIC IX 16 09 50 09.6–1.8 27.2N–.10 140.1E–.20 354–9 4.0b,3.2b
JMA IX 16 09 50 15.0–.23 27N–2.0 141E–3.0 383 4.3,3.2b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
ISC IX 16 03 10 01.7–.65 27.2N–.10 140.5E–.10 443 3.6b 36 1-151
IDC IX 16 03 10 01.1–.55 27.17N 140.48E 436–7 4.1,3.2b **¶621112865**
NEIC IX 16 03 10 02.9–1.2 27.3N–.10 140.6E–.20 456–7 4.0b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA IX 26 06 35 46.7–.17 28.7N–.40 142E–5.0 46 3.8
¶626508418
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC IX 16 14 12 24.5–1.7 28.91N–.08 142.7E–.30 10 4.0b 11 2-82
IDC IX 16 14 12 25.1–2.1 28.97N 142.28E 0 3.9b,3.8 **¶621112893**
ISC Event type se.
IDC Error ellipse: s-maj=75.6km s-min=11.7km az=77.0.
ISC IX 17 08 41 47.6–1.8 27.2N–.20 140.1E–.60 450 3.6b 9 9-77
IDC IX 17 08 41 49.3–3.3 27.37N 140.55E 485–40 4.0,3.2b **¶621112945**
ISC Event type se.
IDC Error ellipse: s-maj=64.1km s-min=14.7km az=77.0.
ISC IX 21 05 51 56.5–.64 27.31N–.08 140.2E–.10 450 3.8b 32 2-152
IDC IX 21 05 51 54.9–.50 27.32N 140.33E 442–7 4.3,3.5b **¶621116019**
JMA IX 21 05 51 58.4–.16 27N–1.0 140E–2.0 462 3.9,3.5b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC IX 23 04 07 45.0–.55 28.19N–.05 139.77E–.07 407–5 4.0b 150 2-152
NEIC IX 23 04 07 45.6–1.4 28.16N–.08 139.8E–.10 407–4 4.1b **¶621106385**
JMA IX 23 04 07 45.6–.35 28N–2.0 141E–3.0 432–4 4.1
IDC IX 23 04 07 45.9–1.2 28.16N 139.80E 418–12 4.2,3.4b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.1km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=12.8km s-min=9.2km az=84.0.
JMA IX 28 04 08 43.7–.61 26N–2.0 143E–2.0 0 4.1
¶626512590
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC X 01 15 02 43.2–.42 27.73N–.06 139.83E–.07 479 4.1b 131 2-152
IDC X 01 15 02 41.9–.52 27.71N 139.90E 468–6 4.2,3.5b **¶621116084**
NEIC X 01 15 02 43.3–1.2 27.75N–.09 139.8E–.10 472–7 4.1b,3.5b
JMA X 01 15 02 46.5–.21 28N–2.0 140E–4.0 496 4.4,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
ISC X 17 01 12 40.4–.41 28.67N–.03 138.26E–.04 528–4 4.7b 752 4-154
JMA X 17 01 12 37.2–.11 28.6N–.90 139E–1.0 568 4.5 **¶621204799**
NIED X 17 01 12 37.2 28.58N 138.55E 568 4.9W
BJI X 17 01 12 38.6 28.62N 138.31E 529 5.1b,5.0b
GFZ X 17 01 12 40.9–.29 29N–3.0 138E–4.0 526–4 5.3b,4.9b
NEIC X 17 01 12 40.8–1.4 28.68N–.08 138.2E–.10 526–6 4.7b,4.9b
IDC X 17 01 12 41.2–.71 28.68N 138.18E 535–7 5.1,4.2b
GCMT X 17 01 12 42.0–.80 28.60N–.06 138.27E–.06 542–4 5.2W,4.2b
BGR X 17 01 12 47.4 30.66N 138.05E 500 5.0b,4.2b
ISC Event type ke.
JMA Event type ke. SHIKOKU BASIN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.04 $M_{\theta\theta}$0.18 $M_{\phi\phi}$-1.23 $M_{r\theta}$1.31 $M_{\theta\phi}$1.40 $M_{\phi r}$0.21 NP1:ϕ_s3.00000°,δ51.00000°,λ151.00000°. NP2:ϕ_s113.00000°,δ68.00000°,λ43.00000°. $M_0$2.24000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.9km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.6km s-min=6.2km az=77.0.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110170112A. Moment Tensor Solution. s46,c54;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.64±.35 $M_{\theta\theta}$-2.29±.52; $M_{\phi\phi}$-1.35±.53; $M_{r\theta}$6.82±.55; $M_{\theta\phi}$3.55±.54; $M_{\phi r}$-0.76±.61; Best double couple: NP1:ϕ_s341.00000°,δ26.00000°,λ146.00000°. NP2:ϕ_s102.00000°,δ76.00000°,λ68.00000°. Principal axes: T 8.3040,Plg54.0000°,Azm346.0000° ; N 0.1070,Plg21.0000°,Azm108.0000°; P -8.4110,Plg28.0000°,Azm210.0000° $M_0$8.35800×10^{16}
BGR Event type ke.
IDC X 12 09 03 57.1–1.2 27.96N 139.89E 0 3.7b,3.7
¶621236934
IDC Error ellipse: s-maj=49.7km s-min=24.1km az=84.0.
ISC X 04 03 20 06.3–.54 27.38N–.06 140.2E–.10 450 3.6b 48 2-152
IDC X 04 03 20 08.3–1.3 27.40N 140.18E 472–14 4.2,3.2b **¶621203091**
JMA X 04 03 20 09.7–.16 28N–2.0 140E–3.0 458 3.8,3.2b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC X 13 23 44 00.3–.38 27.68N–.07 140.63E–.06 35 4.5b,3.9s 94 1-152
NEIC X 13 23 43 58.7–1.4 27.69N–.09 140.70E–.09 17–4 4.6b,3.9s **¶621238999**
JMA X 13 23 43 59.8–.12 27.8N–.80 141E–1.0 119 4.7,3.9s
IDC X 13 23 44 03.8–1.8 27.72N 140.59E 66–17 4.1,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.4km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR CHICHIJIMA ISLAND .
IDC Error ellipse: s-maj=17.5km s-min=12.6km az=51.0.
ISC X 15 18 32 54.6–1.3 26.5N–.10 140.7E–.20 400 3.6b 15 1-84
IDC X 15 18 32 49.9–.61 26.46N 140.78E 388–10 3.9,3.2b **¶621242077**
JMA X 15 18 32 56.5–.31 27N–2.0 141E–4.0 420 3.9,3.2b

ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC X 17 06 28 27.4–.66 27.71N–.08 140.5E–.10 500 3.9b 66 2-151
NEIC X 17 06 28 27.3–1.1 27.6N–.10 140.3E–.20 484–11 4.0b **¶621242872**
IDC X 17 06 28 28.2–1.8 27.61N 140.10E 488–19 4.3,3.5b
JMA X 17 06 28 28.7–.15 28N–2.0 141E–3.0 478 3.6,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
ISC X 23 10 08 51.5–.53 27.83N–.07 141.18E–.09 47 4.2b 43 1-151
IDC X 23 10 08 44.4–.70 27.77N 141.21E 0 4.0b,4.0 **¶621309367**
NEIC X 23 10 08 53.5–.34 27.83N–.09 141.2E–.10 63–8 4.3b,4.0
JMA X 23 10 08 56.1–.13 27.7N–.90 143E–1.0 79 4.3,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC X 19 22 20 57.1–1.1 28.26N–.06 142.5E–.20 25 4.2b 37 1-149
NEIC X 19 22 20 53.9–1.5 28.29N–.05 142.9E–.20 10–2 4.3b **¶621244102**
IDC X 19 22 20 55.3–1.3 28.39N 142.37E 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=5.9km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.6km s-min=15.0km az=78.0.
IDC X 21 06 52 42.8–3.4 28.79N 141.96E 0 3.6b,3.6
¶621261389
IDC Error ellipse: s-maj=144.7km s-min=15.2km az=75.0.
ISC X 17 21 59 52.1–.34 28.68N–.03 138.21E–.03 529–3 5.0b 1321 4-170
JMA X 17 21 59 48.1–.15 29N–1.0 139E–2.0 585 5.2,5.1W **¶621205054**
NIED X 17 21 59 48.1 28.63N 138.61E 585 5.0W,5.1W
BJI X 17 21 59 49.6 28.62N 138.31E 523 5.4b,5.1b
BGR X 17 21 59 50.1 29.41N 139.24E 500 5.4b,5.1b
IDC X 17 21 59 51.5–.49 28.63N 138.19E 520–4 5.6,4.7b
NEIC X 17 21 59 51.6–1.5 28.70N–.08 138.2E–.10 516–5 5.0b,4.7b
GCMT X 17 21 59 52.0–.40 28.65N–.04 138.05E–.04 513–3 5.2W,4.7b
GFZ X 17 21 59 52.3–.29 29N–3.0 138E–4.0 521–4 5.4b,5.0b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.67 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-2.38 $M_{r\theta}$1.99 $M_{\theta\phi}$2.41 $M_{\phi r}$1.23 NP1:ϕ_s357.00000°,δ55.00000°,λ137.00000°. NP2:ϕ_s116.00000° ,δ56.00000°,λ44.00000°. $M_0$4.19000×10^{16}
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110172159A. Moment Tensor Solution. s66,c85;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.37±.26 $M_{\theta\theta}$-0.15±.44; $M_{\phi\phi}$-4.23±.44; $M_{r\theta}$4.96±.48; $M_{\theta\phi}$4.41±.39; $M_{\phi r}$0.66±.57; Best double couple: NP1:ϕ_s359.00000°,δ46.00000°,λ146.00000°. NP2:ϕ_s114.00000° ,δ66.00000°,λ49.00000°. Principal axes: T 8.3090,Plg51.0000°,Azm337.0000° ; N -0.8150,Plg37.0000°,Azm133.0000°; P -7.5020,Plg12.0000°,Azm232.0000° $M_0$7.90600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 25 01 06 48.4–.54 28.65N–.05 138.29E–.06 526–6 4.5b 362 4-144
NIED X 25 01 06 45.5 28.69N 138.70E 577 4.4W **¶621238362**
JMA X 25 01 06 45.5–.21 29N–2.0 139E–2.0 577 4.5
NEIC X 25 01 06 48.5–1.6 28.68N–.09 138.2E–.10 520–7 4.4b
IDC X 25 01 06 48.7–.89 28.69N 138.25E 527–9 4.8,3.9b
GFZ X 25 01 06 49.1–.46 29N–4.0 138E–7.0 530–5 4.9b,4.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.45 $M_{\theta\theta}$-1.73 $M_{\phi\phi}$1.29 $M_{r\theta}$3.11 $M_{\theta\phi}$2.76 $M_{\phi r}$1.14 NP1:ϕ_s343.00000°,δ44.00000°,λ174.00000°. NP2:ϕ_s77.00000° ,δ86.00000°,λ46.00000°. $M_0$4.58000×10^{15}
JMA Event type ke. W OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC X 24 14 34 23.3–21 28.20N 139.44E 481–208 3.6,2.7b
¶621366400
IDC Error ellipse: s-maj=408.1km s-min=19.2km az=71.0.
ISC X 24 12 28 15.6–.92 27.25N–.07 143.5E–.10 35 3.8b 28 1-149
IDC X 24 12 28 10.4–.93 26.85N 143.13E 0 3.9L,3.9 **¶621366394**
JMA X 24 12 28 13.6–.21 27N–1.0 143E–1.0 93 4.3,3.9
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
IDC X 31 18 31 55.8–6.4 28.40N 142.42E 0 3.2b,3.2
¶621395261
IDC Error ellipse: s-maj=329.1km s-min=25.1km az=79.0.
IDC X 26 08 57 30.8–2.8 28.42N 141.41E 0 3.7b,3.7
¶621366467
IDC Error ellipse: s-maj=123.8km s-min=22.7km az=75.0.
ISC X 26 05 38 19.8–.57 26.37N–.05 140.69E–.06 490–5 4.3b 344 1-151
NEIC X 26 05 38 20.2–1.2 26.36N–.10 140.7E–.10 492–4 4.2b **¶621239339**
GFZ X 26 05 38 20.4–.37 26N–8.0 141E–5.0 502 5.5b,5.0
IDC X 26 05 38 22.1–1.2 26.39N 140.61E 511–13 4.8,3.9b
JMA X 26 05 38 22.9–.31 27N–1.0 140E–3.0 461–4 4.8,3.9b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. W OFF OGASAWARA .
ISC X 31 13 02 21.5–.33 27.84N–.05 139.79E–.06 478 4.2b 286 2-152
MOS X 31 13 02 20.4–.88 27.81N 139.68E 480 4.1b **¶621244735**
GFZ X 31 13 02 21.0–.23 28N–3.0 140E–4.0 470 5.4b,5.4
JMA X 31 13 02 21.9–.13 28N–1.0 140E–2.0 496 4.0,5.4
NEIC X 31 13 02 22.3–1.1 27.83N–.08 139.8E–.10 481–2 4.2b,5.4
IDC X 31 13 02 22.3–1.1 27.84N 139.80E 485–12 4.4,3.5b
ISC Event type ke.
MOS Error ellipse: s-maj=12.4km s-min=6.8km az=111.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. W OFF OGASAWARA .
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=12.2km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.7km s-min=9.1km az=83.0.
JMA XI 06 04 05 25.5–.30 27N–2.0 144E–1.0 0 4.3
¶635634286
JMA Event type ke. FAR E OFF OGASAWARA .
ISC XI 02 20 55 43.6–.63 28.94N–.05 142.3E–.10 27 4.2b 47 2-151
IDC XI 02 20 55 40.0–.92 28.90N 142.40E 0 3.9b,3.9 **¶621401364**
NEIC XI 02 20 55 41.4–1.4 28.76N–.07 142.4E–.20 10–1 4.2b,3.9
JMA XI 02 20 55 43.3–.15 29.2N–.40 142E–5.0 47 4.0,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC XI 04 19 43 29.1–.93 27.6N–.10 140.6E–.20 450 3.6b 9 1-77
IDC XI 04 19 43 29.1–.63 27.71N 140.62E 448–12 3.9,3.1b **¶621412313**
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=19.9km az=72.0.
ISC XI 05 19 10 32.4–.36 27.98N–.04 141.22E–.06 100 4.5b 153 1-151
NEIC XI 05 19 10 32.8–2.1 27.98N–.07 141.20E–.10 95–6 4.6b **¶621413990**
IDC XI 05 19 10 33.0–1.9 27.89N 141.14E 105–15 3.9,3.7b
JMA XI 05 19 10 33.1–.15 28.1N–1.0 141E–2.0 78 4.1,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC X 31 22 20 10.5–.74 27.09N–.09 140.6E–.20 450 3.7b 25 1-83
IDC X 31 22 20 09.9–2.1 26.98N 140.35E 439–24 4.2,3.4b **¶621395275**
JMA X 31 22 20 11.6–.38 27N–2.0 140E–4.0 415 4.5,3.4b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC XI 04 10 54 55.4–1.2 27.46N–.10 139.8E–.20 350 3.1b 12 2-77
IDC XI 04 10 54 14.4–3.1 27.79N 140.94E 0 3.7b,3.7 **¶621412292**
JMA XI 04 10 54 58.3–.29 28N–1.0 140E–3.0 352 3.8,3.7
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC XI 09 21 17 31.2–.90 27.71N–.07 142.7E–.10 10 4.5b,3.3s 38 1-78
IDC XI 09 21 17 29.3–2.3 27.63N 142.84E 0 4.2b,4.1 **¶621423170**
NEIC XI 09 21 17 30.9–1.7 27.71N–.08 142.9E–.10 10–1 4.6b,4.1
JMA XI 09 21 17 33.9–.19 28N–1.0 143E–1.0 25 4.2,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC XI 08 16 27 19.6–.52 27.72N–.05 139.98E–.06 493–5 4.1b 210 2-152
IDC XI 08 16 27 19.1–1.2 27.74N 140.01E 488–12 4.3,3.6b **¶621384584**
NEIC XI 08 16 27 20.8–.96 27.75N–.09 140.0E–.10 498–4 4.1b,3.6b
JMA XI 08 16 27 20.1–.23 28N–2.0 140E–4.0 501 4.5,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
ISC XI 16 13 57 50.2–1.1 28.78N–.09 142.1E–.30 30 3.5b 12 2-57
IDC XI 16 13 57 45.7–1.2 28.68N 142.38E 0 3.6,3.5b **¶621475681**
ISC Event type se.
IDC Error ellipse: s-maj=43.7km s-min=12.2km az=80.0.
ISC XI 14 16 01 16.7–1.5 27.07N–.09 143.8E–.10 35 3.5b 11 1-54
IDC XI 14 16 01 13.7–1.8 26.73N 143.05E 0 3.4b,3.4 **¶621468708**
JMA XI 14 16 01 17.0–.12 27.1N–.60 143.4E–.70 123 3.5,3.4
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC XI 15 05 38 46.8–1.2 28.98N–.04 142.26E–.06 20–5 4.8b,4.3s 475 2-151
BJI XI 15 05 38 40.1 28.71N 142.59E 10 4.9b,4.8b **¶621403223**
IDC XI 15 05 38 42.7–.47 28.94N 142.42E 0 4.3b,4.3
MOS XI 15 05 38 43.5–.89 28.95N 142.31E 12 5.0b,4.3
NEIC XI 15 05 38 45.7–1.7 29.00N–.05 142.21E–.10 10–1 4.9b,4.3
GFZ XI 15 05 38 45.4–.21 29N–2.0 142E–4.0 10 5.7b,5.2
NIED XI 15 05 38 48.0 28.92N 141.87E 48 4.8W,5.2
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=10.1km az=62.0.
MOS Error ellipse: s-maj=9.1km s-min=4.4km az=120.5.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.8km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.27 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-1.47 $M_{r\theta}$0.84 $M_{\theta\phi}$0.57 $M_{\phi r}$-1.22 NP1:ϕ_s1.00000°,δ25.00000°,λ120.00000°. NP2:ϕ_s149.00000° ,δ68.00000°,λ77.00000°. $M_0$2.09000×10^{16}
ISC XI 15 05 41 32.6–.77 28.76N–.06 142.0E–.10 30 4.1b 27 2-91
NEIC XI 15 05 41 29.7–1.6 29.06N–.08 142.0E–.10 10–1 4.4b **¶621475597**
IDC XI 15 05 41 29.4–1.4 28.71N 142.12E 0 4.5s,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=11.5km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.0km s-min=21.6km az=78.0.
ISC XI 18 11 47 20.0–.61 27.55N–.06 139.63E–.08 500 4.0b 64 2-83
NEIC XI 18 11 47 20.6–2.2 27.6N–.10 139.9E–.10 519–10 4.1b **¶621532476**
JMA XI 18 11 47 22.1–.20 28N–2.0 140E–3.0 551 3.6
IDC XI 18 11 47 23.0–1.2 27.74N 139.63E 534–14 4.1,3.3b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=13.7km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=24.0km s-min=11.4km az=80.0.
ISC XI 18 19 29 09.1–.93 27.8N–.20 140.5E–.20 450 3.3b 8 2-57
IDC XI 18 19 29 09.4–1.1 27.65N 140.02E 435–65 3.6,2.9b **¶621532496**
ISC Event type se.
IDC Error ellipse: s-maj=182.4km s-min=14.1km az=72.0.
ISC XI 26 10 46 53.6–.53 28.72N–.05 142.51E–.09 25 4.2b,3.2s 52 2-85
NEIC XI 26 10 46 51.2–.88 28.75N–.05 142.5E–.10 10–1 4.4b,3.2s **¶621883596**
IDC XI 26 10 46 54.6–1.2 28.82N 142.35E 0 3.9,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=8.7km az=266.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.9km s-min=15.9km az=78.0.
ISC XI 20 08 35 02.4–.41 28.42N–.03 142.83E–.04 19–1 5.0b,4.4s 619 1-150
BJI XI 20 08 34 55.0 28.50N 143.30E 10 5.2b,4.9b **¶621425230**
MOS XI 20 08 34 59.6–1.2 28.50N 142.77E 14 5.1b,4.4s
IDC XI 20 08 34 59.8–.46 28.41N 142.88E 0 4.7b,4.7
GFZ XI 20 08 35 01.2–.45 28N–3.0 143E–6.0 10 5.7b,5.2
NEIC XI 20 08 35 01.4–1.1 28.42N–.05 142.8E–.10 10–1 5.1b,4.9
NIED XI 20 08 35 02.8 28.44N 142.35E 16 5.0W,4.9
JMA XI 20 08 35 02.8–.20 28.4N–.60 142E–5.0 16 4.4,4.9
GCMT XI 20 08 35 04.1–.20 28.38N–.02 142.94E–.01 12 4.9W,4.9
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.54 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-3.37 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.76 $M_{\phi r}$0.23 NP1:ϕ_s167.00000°,δ43.00000°,λ90.00000°. NP2:ϕ_s348.00000° ,δ47.00000°,λ90.00000°. $M_0$3.54000×10^{16}
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111200834A. Moment Tensor Solution. s48,c62; s111,c179; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.71±.06 $M_{\theta\theta}$0.22±.06; $M_{\phi\phi}$-2.93±.05; $M_{r\theta}$-0.34±.22; $M_{\theta\phi}$0.33±.05; $M_{\phi r}$1.02±.15; Best double couple: NP1:ϕ_s179.00000°,δ35.00000° ,λ98.00000°. NP2:ϕ_s349.00000°,δ55.00000°,λ84.00000°. Principal axes: T 2.9190,Plg79.0000°,Azm237.0000°; N 0.2380,Plg5.0000°,Azm352.0000° ; P -3.1530,Plg10.0000°,Azm83.0000° $M_0$3.03600×10^{16}
ISC XI 20 17 53 34.8–.81 26.42N–.09 143.33E–.07 10 3.8b 30 1-149
IDC XI 20 17 53 33.2–.81 26.25N 143.09E 0 3.7b,3.7 **¶621590371**
JMA XI 20 17 53 36.4–.14 26.4N–.40 143.3E–.40 15–2 5.0,3.7
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC XI 21 11 58 28.0–.83 27.44N–.08 140.7E–.10 200 3.8b 20 1-77
IDC XI 21 11 58 23.8–1.2 27.27N 140.89E 158–15 4.0,3.6b **¶621608916**
JMA XI 21 11 58 30.0–.15 28N–1.0 141E–2.0 204 4.4,3.6b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC XI 24 16 27 51.7–.72 28.10N–.08 139.8E–.10 500 3.6b 38 2-76
JMA XI 24 16 27 51.9–.16 28N–1.0 140E–3.0 513 3.8 **¶621613998**
IDC XI 24 16 27 52.0–1.6 28.05N 139.76E 502–18 3.9,3.1b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=22.6km s-min=12.4km az=80.0.
ISC XI 25 18 06 30.0–.76 27.24N–.09 140.4E–.10 400 3.4b 14 2-77
IDC XI 25 18 06 30.5–.52 27.30N 140.61E 422–8 3.9,3.1b **¶621618719**
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=11.4km az=77.0.

IDC XI 26 06 29 25.3–3.4 26.56N 142.45E 0 3.8b,3.8 ¶621621986
IDC Error ellipse: s-maj=169.8km s-min=25.6km az=83.0.
ISC XI 26 07 14 04.7–.37 28.93N–.03 142.27E–.03 15–1 5.5b,5.4s 1432 2-169
BJI XI 26 07 14 01.2 29.02N 142.28E 10 5.7s,5.6b **¶621469758**
IDC XI 26 07 14 02.1–.35 28.80N 142.22E 0 5.2b,5.2s
KEA XI 26 07 14 02.3 28.42N 142.29E 33 5.4s,5.2s
NEIC XI 26 07 14 03.9 28.92N 142.35E 10 5.4s,5.2s
MOS XI 26 07 14 03.1–1.2 28.94N 142.15E 12 5.8b,5.4s
NEIC XI 26 07 14 04.1–1.5 28.92N–.05 142.35E–.07 11–1 5.7b,5.5
IPGP XI 26 07 14 04.0 29.01N 142.37E 11 5.8W,5.5
NEIC XI 26 07 14 04.4 29.04N 142.39E 10 5.8W,5.5
NEIC XI 26 07 14 04.9 28.84N 142.62E 18 5.6,5.5
NIED XI 26 07 14 04.4 28.98N 142.33E 44 5.7W,5.5
GFZ XI 26 07 14 04.2–.20 29N–2.0 143E–3.0 10 5.9b,5.7
JMA XI 26 07 14 04.4–.18 29.0N–.50 142E–3.0 44 5.8,5.6W
GFZ XI 26 07 14 05.6 28.91N 142.15E 16 5.6W,5.6W
BGR XI 26 07 14 05.8 28.44N 141.61E 33 5.6s,5.3b
GCMT XI 26 07 14 08.4–.10 28.90N–.01 142.45E–.01 17–0 5.6W,5.3b
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.14 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-2.06 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.22 $M_{\phi r}$1.49 NP1:ϕ_s9.86000°,δ62.92000°,λ93.10000°. NP2:ϕ_s183.07000°,δ27.24000°,λ83.95000°. Principal axes: T 2.6407,Plg72.0000°,Azm287.0000°; N -0.0629,Plg3.0000°,Azm188.0000°; P -2.5778,Plg18.0000°,Azm98.0000° $M_0$2.61000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s169.00000°,δ23.00000°,λ74.00000°. NP2:ϕ_s7.00000°,δ68.00000°,λ97.00000°.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.94 $M_{\theta\phi}$0.47 $M_{\phi\phi}$-2.40 $M_{r\theta}$0.75 $M_{\theta\theta}$0.48 $M_{\phi r}$1.19 NP1:ϕ_s147.22000°,δ37.27000°,λ50.61000°. NP2:ϕ_s13.12000°,δ62.09000°,λ115.78000°. Principal axes: T 2.5791,Plg63.0000°,Azm326.0000°; N 0.1494,Plg23.0000°,Azm180.0000°; P -2.7285,Plg13.0000°,Azm85.0000° $M_0$2.66000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.42 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-2.58 $M_{r\theta}$0.49 $M_{\theta\phi}$0.61 $M_{\phi r}$3.87 NP1:ϕ_s151.00000°,δ19.00000°,λ58.00000°. NP2:ϕ_s4.00000°,δ74.00000°,λ100.00000°. $M_0$4.67000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-1.70 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.48 $M_{\phi r}$2.80 NP1: ϕ_s152.18819°,δ17.13330°,λ65.72191°. NP2:ϕ_s357.45566°,δ74.42248°,λ97.22387°. Principal axes: T 3.2459,Plg59.9530°,Azm277.6845°; N 0.0978,Plg6.9572°,Azm175.5062°; P -3.3438,Plg29.0675°,Azm81.6169° $M_0$3.29595×10^{17}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111260714A. Moment Tensor Solution. s117,c226; s154,c318;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.37±.03 $M_{\theta\theta}$0.20±.02; $M_{\phi\phi}$-2.58±.03; $M_{r\theta}$0.05±.06; $M_{\theta\phi}$0.67±.02; $M_{\phi r}$1.92±.07; Best double couple: NP1: ϕ_s156.00000°,δ28.00000°,λ72.00000°. NP2:ϕ_s356.00000°,δ64.00000°,λ99.00000°. Principal axes: T 3.0520,Plg70.0000°,Azm286.0000°; N 0.2880,Plg8.0000°,Azm172.0000°; P -3.3450,Plg18.0000°,Azm80.0000° $M_0$3.19900×10^{17}
ISC XI 26 15 08 33.1–1.1 26.7N–.10 142.3E–.20 31 3.9b 11 0-78
IDC XI 26 15 08 28.0–1.1 26.52N 142.41E 0 3.9b,3.8 **¶621622007**
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=18.0km az=85.0.
ISC XII 03 11 59 31.3–.42 28.03N–.04 139.80E–.05 454–3 4.5b 629 2-152
MOS XII 03 11 59 29.5–.75 28.00N 139.68E 445 4.6b **¶621611996**
GFZ XII 03 11 59 30.5–.39 28N–4.0 140E–5.0 446–4 5.3b,4.7b
NIED XII 03 11 59 30.6 28.09N 139.98E 445 4.4W,4.7b
BJI XII 03 11 59 30.8 27.98N 139.76E 474 4.9b,4.7b
JMA XII 03 11 59 30.6–.13 28N–1.0 140E–2.0 445 4.3,4.7b
IDC XII 03 11 59 31.8–.85 28.06N 139.71E 454–8 4.9,4.1b
NEIC XII 03 11 59 31.8–1.4 28.07N–.08 139.7E–.10 454–8 4.4b,4.1b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.59 $M_{\theta\theta}$3.94 $M_{\phi\phi}$-1.35 $M_{r\theta}$1.24 $M_{\theta\phi}$-2.61 $M_{\phi r}$-1.25 NP1:ϕ_s78.00000°,δ44.00000°,λ-142.00000°. NP2:ϕ_s320.00000°,δ65.00000°,λ-52.00000°. $M_0$4.37000×10^{15}
JMA Event type fe. W OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 01 22 23 33.7–.70 27.71N–.07 140.8E–.10 250 3.4b 30 1-83
JMA XII 01 22 23 34.9–.22 28N–1.0 140E–2.0 169 4.4 **¶621629852**
IDC XII 01 22 23 34.7–2.9 27.59N 140.43E 252–27 4.0,3.3b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=25.0km s-min=17.2km az=88.0.
ISC XI 30 16 38 44.3–.93 28.8N–.10 142.2E–.20 35 3.8b,3.1s 8 2-71
IDC XI 30 16 38 46.7–4.7 29.00N 142.17E 48–44 3.6,3.4b **¶621627073**
ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=25.7km az=88.0.
ISC XII 01 13 42 57.0–1.2 26.8N–.10 142.9E–.10 10 3.6b 11 1-78
IDC XII 01 13 42 55.5–1.3 26.78N 142.87E 0 3.7b,3.7 **¶621629816**
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=16.9km az=66.0.
ISC XII 07 06 07 17.3–1.0 28.1N–.10 142.9E–.20 22 3.8b 10 9-95
IDC XII 07 06 07 13.7–1.1 28.01N 142.91E 0 3.8b,3.7 **¶621632641**
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=20.3km az=75.0.
ISC XII 06 07 46 42.3–.80 27.6N–.10 141.6E–.20 64 4.6b 17 1-151
IDC XII 06 07 46 32.9–2.5 27.70N 141.46E 0 4.1b,4.1 **¶621632585**
NEIC XII 06 07 46 38.0–1.7 27.4N–.10 141.13E–.06 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 08 16 46 19.6–6.9 28.28N 142.37E 0 3.7b,3.6 ¶621634723
IDC Error ellipse: s-maj=362.7km s-min=23.6km az=79.0.
ISC XII 07 14 14 24.7–3.1 27.1N–.30 140.0E–.90 600 3.3b 6 33-77
IDC XII 07 14 14 28.0–13 26.99N 139.73E 637–151 3.7,2.6b **¶621632674**
ISC Event type se.
IDC Error ellipse: s-maj=190.1km s-min=15.6km az=72.0.
ISC XII 11 05 56 32.2–.64 28.09N–.05 142.72E–.10 25 4.3b 64 1-95
IDC XII 11 05 56 28.3–.78 28.06N 142.91E 0 4.0b,4.0 **¶621627326**
NEIC XII 11 05 56 29.9–1.1 27.98N–.06 142.8E–.10 10–1 4.6b,4.0
JMA XII 11 05 56 31.3–.19 28N–1.0 143E–4.0 50 4.2,4.0
NIED XII 11 05 56 31.3 28.28N 142.83E 50 4.1W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=15.7km az=73.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=10.3km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}1.30 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-1.57 $M_{r\theta}$0.08 $M_{\theta\phi}$0.08 $M_{\phi r}$0.31 NP1:ϕ_s172.00000°,δ39.00000°,λ82.00000°. NP2:ϕ_s2.00000°,δ51.00000°,λ96.00000°. $M_0$1.47000×10^{15}
ISC XII 12 17 00 31.2–.45 26.96N–.07 140.31E–.08 443 4.0b 55 2-150
NEIC XII 12 17 00 30.4–2.4 27.01N–.09 140.4E–.10 431–8 4.4b **¶621650523**
IDC XII 12 17 00 39.8–2.1 27.63N 139.88E 476–23 4.0,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=12.9km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.7km s-min=18.4km az=77.0.
ISC XII 13 01 15 54.5–.46 28.21N–.07 142.87E–.07 10 4.7b,4.2s 249 1-150
BJI XII 13 01 15 49.7 27.87N 143.04E 10 5.1b,4.7b **¶621627930**
MOS XII 13 01 15 52.8–1.0 28.29N 142.85E 10 4.8b,4.7b
IDC XII 13 01 15 52.7–.62 28.17N 142.97E 0 4.3b,4.3
NIED XII 13 01 15 53.8 28.44N 142.34E 2 4.5W,4.3
NEIC XII 13 01 15 54.6–1.2 28.17N–.06 142.8E–.10 10–1 4.7b,4.3
GFZ XII 13 01 15 55.2–.35 28N–5.0 143E–6.0 10 6.7b,6.5
ISC Event type se.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}5.64 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-5.97 $M_{r\theta}$0.84 $M_{\theta\phi}$1.76 $M_{\phi r}$-4.02 NP1:ϕ_s343.00000°,δ28.00000°,λ87.00000°. NP2:ϕ_s167.00000°,δ62.00000°,λ92.00000°. $M_0$7.30000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 14 01 12 00.1–.67 28.33N–.07 142.0E–.20 36 4.1b 44 1-98
JMA XII 14 01 11 52.3–.28 28.5N–.90 143E–3.0 50 4.2 **¶621629148**
IDC XII 14 01 11 55.9–.96 28.08N 141.49E 0 4.0b,4.0
NEIC XII 14 01 12 00.6–1.6 28.3N–.10 141.9E–.20 35–2 4.6b,4.0
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 26 13 40 59.0–.50 28.02N–.04 141.45E–.05 69–4 4.9b 462 1-151
IDC XII 26 13 40 58.7–.68 27.92N 141.36E 70–7 4.6,4.3b **¶621653660**
JMA XII 26 13 40 59.4–.09 28.1N–.60 142E–3.0 65 4.9,4.9
NEIC XII 26 13 40 60.0–1.3 28.02N–.05 141.55E–.09 74–5 4.9b,4.9
NIED XII 26 13 40 59.4 28.14N 141.95E 65 4.5W,4.9
GFZ XII 26 13 41 01.9–.59 28N–4.0 142E–4.0 90–5 5.7b,5.2
ISC Event type ke.
JMA Event type fe. NEAR CHICHIJIMA ISLAND .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.49 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$2.67 $M_{r\theta}$-4.81 $M_{\theta\phi}$-2.41 $M_{\phi r}$-1.87 NP1:ϕ_s3.00000°,δ46.00000°,λ-22.00000°. NP2:ϕ_s108.00000°,δ74.00000°,λ-134.00000°. $M_0$5.52000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 14 13 02 30.2–.47 28.35N–.07 139.07E–.07 524 3.9b 92 3-118
IDC XII 14 13 02 29.9–1.1 28.33N 139.01E 515–13 4.1,3.1b **¶621652920**
JMA XII 14 13 02 30.5–.19 28N–2.0 139E–3.0 535 3.7,3.1b
NEIC XII 14 13 02 31.5–1.1 28.3N–.10 139.1E–.10 534–8 4.0b,3.1b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 02 08 08.7–1.0 26.8N–.10 143.95E–.10 35 3.7b 12 2-79
IDC XII 16 02 08 03.4–1.0 26.78N 144.04E 0 3.7b,3.7 **¶621655744**
JMA XII 16 02 08 07.2–.15 27.0N–.80 144.0E–.70 67 3.9,3.7
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC XII 16 02 23 02.0–1.1 27.5N–.20 142.3E–.40 30 3.5b 6 23-78
IDC XII 16 02 22 57.4–1.0 27.56N 142.35E 0 3.7b,3.7 **¶621655746**
ISC Event type se.
IDC Error ellipse: s-maj=58.0km s-min=21.1km az=96.0.
ISC XII 20 09 41 01.3–.56 28.63N–.05 141.8E–.10 35 4.4b 72 2-85
JMA XII 20 09 40 55.4–.15 28.8N–.30 142E–4.0 18 4.8 **¶621685603**
NIED XII 20 09 40 55.4 28.75N 142.41E 18 4.0W
IDC XII 20 09 40 56.1–.89 28.35N 141.61E 0 4.1b,4.1
NEIC XII 20 09 41 04.3–2.1 28.71N–.08 141.6E–.20 48–8 4.5b,4.1
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.61 $M_{\theta\theta}$-5.70 $M_{\phi\phi}$0.09 $M_{r\theta}$2.50 $M_{\theta\phi}$4.00 $M_{\phi r}$-6.70 NP1:ϕ_s269.00000°,δ33.00000°,λ38.00000°. NP2:ϕ_s146.00000°,δ71.00000°,λ117.00000°. $M_0$9.95000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 09 47 39.7–.65 27.05N–.08 140.5E–.10 443 4.0b 41 2-91
IDC XII 21 09 47 40.3–1.5 27.02N 140.39E 448–14 4.4,3.6b **¶621685676**
JMA XII 21 09 47 41.8–.19 27N–2.0 141E–3.0 438 4.5,3.6b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC XII 14 20 47 07.9–.73 27.03N–.09 140.6E–.10 500 3.5b 31 1-151
IDC XII 14 20 47 08.0–1.8 26.97N 140.29E 488–19 4.0,3.1b **¶621652957**
JMA XII 14 20 47 09.3–.21 27N–2.0 141E–5.0 485 3.8,3.1b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC XII 18 22 50 13.1–1.2 27.2N–.10 141.1E–.40 100 3.3b 6 10-77
IDC XII 18 22 50 01.1–1.2 26.96N 141.32E 0 3.6b,3.6 **¶621657040**
ISC Event type se.
IDC Error ellipse: s-maj=56.9km s-min=21.4km az=85.0.
ISC XII 19 17 18 08.6–.87 28.39N–.08 139.3E–.20 448 3.0b 17 3-72
IDC XII 19 17 18 07.0–14 28.44N 139.67E 438–182 3.5,2.7b **¶621657088**
JMA XII 19 17 18 08.4–.40 28N–1.0 139E–4.0 438 3.2,2.7b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC XII 21 12 16 29.2–.73 28.85N–.08 139.34E–.10 450 3.0b 30 3-72
JMA XII 21 12 16 27.4–.20 29N–2.0 140E–3.0 508 3.6 **¶621685685**
IDC XII 21 12 16 30.1–1.5 28.91N 139.28E 470–19 3.7,2.8b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=22.8km s-min=13.1km az=84.0.
JMA XII 22 08 33 55.8–.17 28N–2.0 141E–3.0 333 3.7 ¶635669903
JMA Event type ke. W OFF OGASAWARA .
ISC XII 23 18 54 49.0–.71 28.17N–.07 139.8E–.10 400 3.2b 36 2-76
JMA XII 23 18 54 49.5–.16 28N–1.0 141E–3.0 433 3.7 **¶621686841**
IDC XII 23 18 54 49.5–1.8 28.06N 140.03E 420–22 3.8,2.9b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=35.4km s-min=13.1km az=81.0.
ISC XII 31 21 40 02.7–.79 28.3N–.20 139.7E–.20 448 3.2b 11 2-76
IDC XII 31 21 40 04.2–1.4 28.25N 139.73E 469–20 3.8,2.9b **¶621726091**
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=12.7km az=77.0.
IDC XII 30 17 42 25.1–3.6 26.38N 141.96E 0 3.8b,3.8 ¶621726019
IDC Error ellipse: s-maj=192.8km s-min=27.4km az=80.0.
ISC XII 31 16 57 34.8–2.2 27.1N–.20 143.8E–.10 35 3.8b 12 1-59
IDC XII 31 16 57 27.2–2.8 26.70N 143.96E 0 3.7b,3.7 **¶621726069**
JMA XII 31 16 57 34.6–.50 27N–4.0 144E–3.0 70 3.7b,3.7
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .

(213) Volcano Islands region.

IDC VII 02 11 08 01.2–2.3 22.30N 142.75E 0 3.4b,3.4 ¶620927744
IDC Error ellipse: s-maj=287.0km s-min=24.4km az=109.0.
ISC VII 02 11 34 15.0–.78 22.08N–.07 143.2E–.10 35 4.2b 29 5-62
NEIC VII 02 11 34 16.7–1.1 22.13N–.07 143.31E–.08 60–11 4.2b **¶620927745**
IDC VII 02 11 34 19.3–3.8 22.37N 143.63E 78–47 4.1L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.8km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=186.2km s-min=21.3km az=76.0.
ISC VII 03 14 52 47.9–.41 22.47N–.05 143.58E–.08 118 4.5b 135 4-150
BJI VII 03 14 52 44.0 22.40N 143.70E 100 4.9b,4.6b **¶620733424**
GFZ VII 03 14 52 46.6–.86 22N–3.0 144E–4.0 104–8 4.4b,4.4
IDC VII 03 14 52 46.5–.84 22.38N 143.63E 106–6 4.3,3.9b
NEIC VII 03 14 52 48.6–1.4 22.45N–.09 143.6E–.10 117–7 4.5b,3.9b
JMA VII 03 14 52 50.8–.48 23N–2.0 144E–2.0 135 4.5b,3.9b
ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
ISC VII 07 04 14 41.6–.64 23.38N–.08 142.2E–.10 150 3.8b 33 4-151
IDC VII 07 04 14 38.6–2.7 23.28N 142.32E 124–21 3.9,3.4b **¶620928082**
NEIC VII 07 04 14 40.6–1.4 23.32N–.08 142.1E–.10 131–8 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 07 06 05 34.6–4.0 22.1N–.20 145.0E–1.0 35 3.8b 8 6-63
IDC VII 07 06 05 27.3–3.8 22.12N 145.70E 0 4.0L,3.8 **¶620928088**
ISC Event type se.
IDC Error ellipse: s-maj=131.4km s-min=15.7km az=75.0.
ISC VII 08 11 41 20.1–.88 22.3N–.10 143.6E–.20 118 3.5b 13 5-83
IDC VII 08 11 41 18.7–2.9 22.27N 143.68E 105–25 3.8,3.4b **¶620928184**
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=16.1km az=93.0.
ISC VII 13 05 41 16.0–.58 24.72N–.07 141.7E–.10 100 4.2b 82 2-151
IDC VII 13 05 41 14.8–1.8 24.64N 141.70E 92–15 4.1,3.7b **¶620928519**
NEIC VII 13 05 41 15.7–1.4 24.60N–.08 141.6E–.20 92–6 4.3b,3.7b
JMA VII 13 05 41 15.8–.13 24.7N–1.0 142E–3.0 121–1 4.6,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
ISC VII 14 02 54 14.8–1.2 25.2N–.10 141.7E–.20 200 3.4b 11 2-60
IDC VII 14 02 54 12.4–1.7 24.97N 141.34E 166–17 4.0,3.4b **¶620928573**
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=17.6km az=79.0.
ISC VII 15 04 28 32.2–.98 25.49N–.09 141.8E–.10 50 4.0b 32 1-79
JMA VII 15 04 28 30.1–.06 25.5N–.40 142E–1.0 114–0 4.0b **¶620928624**
IDC VII 15 04 28 34.2–2.4 25.63N 141.90E 74–22 3.8,3.4b
NEIC VII 15 04 28 34.9–1.0 25.64N–.07 141.8E–.10 67–10 4.4b,3.4b
ISC Event type ke.
JMA Event type ke. IOTO ISLANDS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 21 17 03 01.2–2.6 22.7N–.20 144.8E–.70 150 3.6b 7 15-83
IDC VII 21 17 03 03.6–7.6 22.69N 144.55E 166–62 3.6,3.2b **¶620961673**
ISC Event type se.
IDC Error ellipse: s-maj=107.5km s-min=20.1km az=78.0.
ISC VII 27 07 39 57.2–.42 25.41N–.05 143.04E–.05 10 4.6b,3.6s 129 2-150
IDC VII 27 07 39 53.3–.58 25.55N 143.71E 0 4.3b,4.2 **¶620847127**
NEIC VII 27 07 39 55.1–1.5 25.51N–.10 143.6E–.10 10–1 4.7b,4.2
GFZ VII 27 07 39 58.4–.34 25N–3.0 143E–5.0 10 4.8b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 02 05 22 37.5–1.1 22.61N–.05 143.28E–.07 101–9 4.6b 285 4-150
GFZ VIII 02 05 22 35.2–.25 22N–2.0 144E–4.0 112 4.9b,4.9 **¶620925871**
IDC VIII 02 05 22 38.9–1.6 22.76N 143.26E 104–13 4.5,4.2b
NEIC VIII 02 05 22 39.6–1.3 22.73N–.07 143.3E–.10 113–6 4.6b,4.2b
JMA VIII 02 05 22 42.7–.30 23N–1.0 143E–1.0 146 4.6b,4.2b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
IDC VIII 03 12 29 57.4–1.3 25.56N 141.80E 189–25 4.0,3.7b
¶620995878
IDC Error ellipse: s-maj=98.2km s-min=23.0km az=82.0.
ISC VIII 10 20 57 31.6–1.2 24.56N–.09 141.9E–.20 150 3.6b 16 2-80
IDC VIII 10 20 57 25.9–2.6 24.22N 141.96E 101–24 3.7,3.4b **¶621008141**
JMA VIII 10 20 57 30.1–.37 24N–2.0 141E–2.0 125 4.4,3.4b
ISC Event type ke.
JMA Event type ke. IOTO ISLANDS REGION .
ISC VIII 09 12 01 00.7–1.0 22.1N–.20 142.8E–.20 300 3.8b 18 14-150
IDC VIII 09 12 01 03.4–5.6 21.98N 142.56E 322–51 4.2,3.4b **¶621007258**
ISC Event type se.
IDC Error ellipse: s-maj=50.9km s-min=11.7km az=75.0.
ISC VIII 04 14 31 44.2–.78 22.27N–.08 143.6E–.20 35 4.1b 28 5-149
NEIC VIII 04 14 31 42.3–.52 22.24N–.09 143.4E–.30 10–1 4.2b **¶620997311**
IDC VIII 04 14 31 46.7–4.0 22.27N 143.76E 55–36 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.3km s-min=9.6km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.9km s-min=18.0km az=75.0.
IDC VIII 13 05 03 36.3–476 24.72N 140.49E 0
¶621012031
IDC Error ellipse: s-maj=232.6km s-min=187.7km az=66.0.
IDC VIII 12 20 54 08.4–111 24.51N 140.28E 0
¶621009526
IDC Error ellipse: s-maj=214.9km s-min=39.6km az=98.0.
IDC VIII 13 13 43 34.9–320 24.10N 139.83E 0
¶621012159
IDC Error ellipse: s-maj=290.0km s-min=142.9km az=67.0.
IDC VIII 13 08 02 38.8–1.2 24.22N 141.80E 0 3.7b,3.7
¶621012087
IDC Error ellipse: s-maj=60.6km s-min=25.5km az=98.0.
ISC VIII 13 00 44 47.0–.55 25.72N–.08 143.76E–.08 35 4.5b 100 2-149
IDC VIII 13 00 44 41.2–.52 25.54N 143.69E 0 4.3,4.2b **¶620984707**
NEIC VIII 13 00 44 44.4–1.4 25.70N–.09 143.7E–.10 10–1 4.6b,4.2b
JMA VIII 13 00 44 44.1–.20 25.7N–.50 144E–1.0 55 5.2,4.2b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF OGASAWARA .
IDC VIII 13 14 07 49.8–292 24.37N 139.57E 0
¶621012161
IDC Error ellipse: s-maj=243.3km s-min=134.5km az=82.0.
IDC VIII 14 00 19 27.6–445 24.77N 140.39E 0
¶621013412
IDC Error ellipse: s-maj=270.6km s-min=211.3km az=165.0.
IDC VIII 14 00 49 37.3–495 24.43N 140.68E 0
¶621013416
IDC Error ellipse: s-maj=252.6km s-min=204.4km az=167.0.
IDC VIII 14 01 18 35.9–485 24.43N 140.52E 0
¶621013422
IDC Error ellipse: s-maj=255.9km s-min=206.4km az=166.0.
IDC VIII 14 12 44 24.7–482 24.33N 139.45E 0
¶621013490
IDC Error ellipse: s-maj=261.4km s-min=189.9km az=74.0.
ISC VIII 14 12 55 00.7–.70 24.50N–.08 141.4E–.10 10 4.0b 27 3-83
IDC VIII 14 12 54 59.7–.79 24.43N 141.32E 0 3.9b,3.9 **¶621013492**
NEIC VIII 14 12 55 02.0–.46 24.51N–.09 141.43E–.09 17–5 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 14 18 32 23.2–552 23.22N 139.76E 0
¶621013538
IDC Error ellipse: s-maj=258.9km s-min=209.5km az=96.0.
IDC VIII 15 05 00 12.2–476 24.71N 140.00E 0
¶621023548
IDC Error ellipse: s-maj=222.3km s-min=184.3km az=58.0.
ISC VIII 18 20 15 34.5–.93 24.85N–.09 141.2E–.20 150 3.6b 22 2-80
IDC VIII 18 20 15 30.2–2.1 24.66N 141.31E 111–23 3.8,3.5b **¶621030413**
JMA VIII 18 20 15 35.3–.17 25N–1.0 141E–3.0 164 4.5,3.5b
ISC Event type ke.
JMA Event type ke. IOTO ISLANDS REGION .
IDC VIII 19 14 07 43.4–1.9 24.53N 140.92E 0 3.8b,3.7
¶621039197
IDC Error ellipse: s-maj=225.4km s-min=18.0km az=110.0.
ISC VIII 22 06 48 18.7–.86 24.5N–.10 141.5E–.20 35 3.9b 9 3-83
IDC VIII 22 06 48 13.4–.88 24.43N 141.47E 0 3.8b,3.8 **¶621043063**
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=15.7km az=98.0.
ISC VIII 20 18 46 51.7–.90 23.2N–.10 143.9E–.20 34 3.8b 17 4-88
IDC VIII 20 18 46 46.1–.91 23.00N 144.04E 0 3.8,3.7b **¶621041302**
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=13.3km az=80.0.
ISC VIII 22 13 23 06.5–.49 23.67N–.06 144.2E–.10 28 4.4b 61 4-146
IDC VIII 22 13 23 02.2–.92 23.60N 144.32E 0 4.0b,3.9 **¶621043093**
NEIC VIII 22 13 23 04.4–1.4 23.62N–.08 144.3E–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 00 56 51.3–.59 23.07N–.09 144.7E–.10 35 4.5b 33 5-129
IDC VIII 24 00 56 47.5–2.9 22.94N 144.57E 0 3.8,3.7b **¶621049272**
NEIC VIII 24 00 56 48.1–.93 23.1N–.10 144.7E–.10 10–1 5.0b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA IX 07 01 31 46.1–.18 25N–1.0 141E–2.0 83 4.0
¶626525151
JMA Event type ke. IOTO ISLANDS REGION .
ISC IX 04 05 50 19.1–.88 24.3N–.10 142.7E–.20 35 3.9b,3.1s 14 3-150
IDC IX 04 05 50 13.8–.82 24.13N 142.69E 0 3.8b,3.8 **¶621081621**
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=15.0km az=84.0.
IDC VIII 28 13 32 46.8–12 24.00N 140.02E 0 3.4b,3.4
¶621073112
IDC Error ellipse: s-maj=493.0km s-min=33.8km az=70.0.
JMA VIII 29 10 10 32.5–.26 24N–2.0 141E–5.0 132 4.0
¶626307490
JMA Event type ke. IOTO ISLANDS REGION .
ISC IX 04 09 41 38.3–.44 24.21N–.06 142.89E–.10 10 4.5b,3.5s 89 3-150
IDC IX 04 09 41 36.9–.52 24.12N 142.97E 0 4.1b,4.1 **¶621081627**
NEIC IX 04 09 41 38.8–1.1 24.19N–.08 142.9E–.10 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 04 09 54 20.4–1.1 24.1N–.20 142.9E–.30 29 3.8b 8 18-82
IDC IX 04 09 54 15.9–1.2 24.13N 142.95E 0 3.8b,3.8 **¶621081628**
ISC Event type se.
IDC Error ellipse: s-maj=47.1km s-min=21.2km az=77.0.
JMA VIII 28 18 57 47.9–.24 24N–1.0 142.4E–.80 61 4.4
¶626306967
JMA Event type ke. IOTO ISLANDS REGION .
ISC IX 19 00 36 21.6–.77 22.65N–.10 143.4E–.20 118 4.1b 24 5-150
IDC IX 19 00 36 18.8–3.3 22.50N 143.56E 95–27 4.1,3.8b **¶621113598**
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=18.1km az=74.0.
ISC X 08 10 48 13.5–.81 22.26N–.09 143.1E–.20 100 3.6b 11 5-83
IDC X 08 10 48 15.8–2.7 22.36N 143.05E 121–25 3.7,3.3b **¶621224648**
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=15.7km az=95.0.
ISC X 03 00 03 04.3–.62 23.50N–.07 143.4E–.10 35 4.3b,3.4s 61 4-150
IDC X 03 00 02 58.7–.70 23.47N 143.57E 0 4.0b,3.9 **¶621186097**
NEIC X 03 00 03 04.8–1.4 23.44N–.08 143.4E–.20 35–2 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 03 16 19 48.9–.89 25.11N–.09 141.5E–.10 150 4.0b 16 2-79
IDC X 03 16 19 49.2–1.8 25.26N 141.86E 166–25 3.8,3.4b **¶621186137**
NEIC X 03 16 19 52.1–.79 25.33N–.09 141.6E–.20 185–11 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 22 14 43.6–1.2 22.8N–.10 143.5E–.30 48 3.7b 10 4-82
IDC IX 27 22 14 44.2–4.4 22.80N 143.58E 54–39 3.9L,3.8 **¶621140745**
ISC Event type se.
IDC Error ellipse: s-maj=45.6km s-min=20.4km az=82.0.
IDC X 06 09 32 07.9–1.4 22.07N 144.61E 0 3.6,3.4b
¶621217141
IDC Error ellipse: s-maj=52.6km s-min=17.2km az=81.0.
ISC X 08 19 10 08.9–.81 22.30N–.07 144.0E–.10 113–6 4.2b 64 5-149
IDC X 08 19 10 08.8–.81 22.21N 143.90E 104–6 4.0,3.6b **¶621224673**
NEIC X 08 19 10 09.3–1.8 22.30N–.09 144.1E–.20 113–7 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 15 55 52.4–2.1 23.4N–.10 142.3E–.60 35 3.4b 6 14-56
IDC X 12 15 55 48.8–2.7 23.30N 141.91E 0 3.4,3.3b **¶621236958**
ISC Event type se.
IDC Error ellipse: s-maj=120.8km s-min=19.9km az=81.0.
IDC X 10 17 22 01.6–3.8 23.51N 142.93E 0 3.5b,3.5
¶621235397
IDC Error ellipse: s-maj=175.4km s-min=25.3km az=79.0.
ISC X 10 09 54 29.5–1.5 24.0N–.20 143.6E–.30 10 3.8b 11 3-147
IDC X 10 09 54 25.8–.99 23.55N 143.61E 0 3.8b,3.8 **¶621235375**
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=20.5km az=70.0.
ISC X 18 15 48 33.9–1.2 22.43N–.06 143.04E–.09 169–10 4.2b 118 4-150
IDC X 18 15 48 33.8–1.9 22.42N 143.08E 170–16 4.1,3.6b **¶621244035**
NEIC X 18 15 48 34.5–1.1 22.44N–.08 143.1E–.10 168–6 4.3b,3.6b
JMA X 18 15 48 35.3–.23 23N–1.0 143E–1.0 201 5.3,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
ISC X 18 23 22 39.9–1.2 22.3N–.10 143.7E–.40 10 3.7b 9 5-83
IDC X 18 23 22 37.9–1.3 22.28N 143.82E 0 3.8b,3.8 **¶621244050**
ISC Event type se.
IDC Error ellipse: s-maj=56.9km s-min=21.9km az=87.0.
ISC X 29 17 11 25.5–.63 24.30N–.06 143.24E–.09 30 4.3b 52 3-74
NEIC X 29 17 11 23.0–1.6 24.30N–.05 143.2E–.10 10–1 4.5b **¶621391452**
IDC X 29 17 11 29.7–3.1 24.48N 143.03E 57–34 4.1L,3.8
JMA X 29 17 11 37.4–.10 24N–1.0 142E–3.0 129–2 4.5,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
ISC X 31 19 18 43.3–.52 22.31N–.06 143.44E–.10 150 4.1b 85 4-150
NEIC X 31 19 18 42.6–1.7 22.27N–.04 143.5E–.10 136–6 4.2b **¶621395266**
IDC X 31 19 18 42.4–.81 22.31N 143.50E 139–6 4.2,3.8b
JMA X 31 19 18 46.5–.34 23N–1.0 144E–2.0 168 4.2,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
ISC XI 21 11 08 57.9–.50 22.35N–.06 142.85E–.10 150 4.2b 64 4-146
IDC XI 21 11 08 52.0–2.6 22.53N 142.94E 88–23 4.0,3.6b **¶621608912**
NEIC XI 21 11 08 58.5–1.0 22.36N–.08 142.86E–.08 153–6 4.3b,3.6b
JMA XI 21 11 09 02.7–.53 23N–2.0 143E–3.0 194 4.3b,3.6b
ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
ISC XI 07 18 22 17.6–.42 24.83N–.06 141.20E–.07 181 4.3b 149 8-151
NEIC XI 07 18 22 19.1–1.7 24.81N–.09 141.2E–.10 184–6 4.4b **¶621372491**
IDC XI 07 18 22 23.4–2.2 24.81N 141.19E 242–21 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.5km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.3km s-min=9.2km az=82.0.
IDC XI 10 06 04 41.3–1.4 24.50N 142.13E 0 3.5b,3.5
¶621440045

IDC Error ellipse: s-maj=60.3km s-min=27.6km az=96.0.
ISC XI 14 22 48 30.6–.82 22.02N–.07 142.9E–.20 150 4.2b 43 5-87
IDC XI 14 22 48 31.6–2.2 22.10N 142.98E 163–19 4.2s,4.0 **¶621468750**
NEIC XI 14 22 48 32.5–1.2 22.10N–.04 142.9E–.20 160–9 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 16 17 40 17.4–.66 23.27N–.06 142.79E–.08 82–5 4.5b 135 4-150
IDC XI 16 17 40 16.6–.75 23.14N 142.73E 76–5 4.3,3.9b **¶621475685**
NEIC XI 16 17 40 17.8–1.6 23.27N–.08 142.8E–.10 79–5 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 20 22 23 15.9–.64 22.29N–.08 143.6E–.10 118 4.0b 45 5-146
IDC XI 20 22 23 15.7–5.5 22.30N 143.63E 119–50 4.0,3.6b **¶621590384**
NEIC XI 20 22 23 17.4–1.5 22.31N–.05 143.6E–.20 127–7 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 26 17 20 17.3–27 22.52N 144.11E 94–171 3.5,3.2b
¶621622021

IDC Error ellipse: s-maj=451.4km s-min=29.1km az=76.0.
IDC XI 25 07 20 18.4–10 23.67N 143.80E 368–93 3.9,3.3b
¶621618683

IDC Error ellipse: s-maj=144.1km s-min=56.8km az=32.0.
ISC XI 23 14 04 26.9–.40 22.08N–.06 144.78E–.08 44 4.5b,3.4s 92 6-148
IDC XI 23 14 04 20.3–.59 22.02N 144.88E 0 4.0b,4.0 **¶621611955**
NEIC XI 23 14 04 26.5–1.1 22.14N–.08 144.8E–.10 32–4 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 05 09 17 06.9–.40 23.45N–.05 143.05E–.07 39 4.9b,3.6s 196 3-150
IDC XII 05 09 17 00.5–.51 23.43N 143.01E 0 4.4b,4.4 **¶621612601**
BJI XII 05 09 17 03.2 23.46N 143.31E 34 4.7b,4.7b
JMA XII 05 09 17 06.6–.30 23.5N–.90 143E–1.0 114 4.7b,4.7b
NEIC XII 05 09 17 06.7–1.6 23.43N–.05 143.2E–.10 33–5 4.9b,4.7b
ISC Event type ke.
JMA Event type ke. IOTO ISLANDS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 30 20 33 48.9–.98 24.58N 140.99E 0 3.7b,3.7
¶621627089

IDC Error ellipse: s-maj=51.0km s-min=18.5km az=94.0.
ISC XII 06 11 33 06.0–.50 25.20N–.07 144.11E–.08 35 4.6b,3.4s 161 3-147
IDC XII 06 11 33 01.0–.69 25.15N 144.07E 0 4.3b,4.3 **¶621614094**
MOS XII 06 11 33 01.9–.84 25.23N 144.01E 18 4.8b,4.3
NEIC XII 06 11 33 02.6–1.0 25.25N–.09 144.1E–.10 10–1 4.7b,4.3
JMA XII 06 11 33 05.2–.42 25.3N–.80 144E–2.0 77 4.7b,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF OGASAWARA .
IDC XII 18 05 50 35.7–1.4 22.49N 143.32E 0 3.4b,3.4
¶621656973

IDC Error ellipse: s-maj=56.1km s-min=25.9km az=84.0.
IDC XII 10 18 29 30.3–25 25.86N 143.26E 485–151 3.7,2.8b
¶621644143

IDC Error ellipse: s-maj=333.5km s-min=28.6km az=171.0.
ISC XII 14 05 55 10.4–.47 25.38N–.07 141.31E–.09 35 4.2b 105 1-151
JMA XII 14 05 55 10.6–.17 25N–1.0 141E–5.0 38 4.6 **¶621652885**
IDC XII 14 05 55 11.5–.85 25.38N 141.21E 49–7 4.1,3.9b
NEIC XII 14 05 55 21.1–1.2 25.48N–.04 141.1E–.10 129–7 4.2b,3.9b
ISC Event type ke.
JMA Event type fe. IOTO ISLANDS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 22 43 42.6–.70 22.33N–.06 143.8E–.10 113–5 4.5b 98 14-146
IDC XII 20 22 43 42.2–.70 22.35N 143.77E 107–5 4.3,3.9b **¶621635009**
NEIC XII 20 22 43 43.2–1.8 22.36N–.05 143.8E–.10 114–6 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 26 15 57 32.4–.75 24.8N–.10 143.3E–.10 10 4.5b 19 9-85
IDC XII 26 15 57 31.7–10.0 24.85N 143.28E 0 4.3b,4.3 **¶621700226**
NEIC XII 26 15 57 32.9–1.0 24.9N–.10 143.3E–.20 10–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 27 00 11 49.6–.31 22.76N–.03 143.13E–.05 125–2 5.1b 873 4-150
BJI XII 27 00 11 46.2 22.73N 143.34E 118 5.3b,5.2b **¶621653694**
GFZ XII 27 00 11 49.9–.13 23N–2.0 143E–3.0 121 5.5b,5.2b
MOS XII 27 00 11 49.7–.85 22.72N 143.04E 137 5.1b,5.2b
NEIC XII 27 00 11 49.0–1.3 22.74N–.07 143.1E–.10 113–4 5.2,5.1b
IDC XII 27 00 11 50.3–.45 22.69N 143.07E 131–3 5.0,4.6b
JMA XII 27 00 11 50.9–.36 23N–1.0 143E–2.0 154–4 5.4,4.6b
GCMT XII 27 00 11 52.3–.20 22.78N–.01 143.25E–.02 133–2 5.0W,4.6b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. IOTO ISLANDS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112270011A. Moment Tensor Solution. s45,c52; s119,c185; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.81±.12 $M_{\theta\theta}$1.45±.14; $M_{\phi\phi}$-2.26±.13; $M_{r\theta}$-3.36±.09; $M_{\theta\phi}$-1.19±.13; $M_{\phi r}$-1.66±.09; Best double couple: NP1:ϕ_s338.00000° ,δ31.00000°,λ12.00000°. NP2:ϕ_s238.00000°,δ84.00000°,λ120.00000°. Principal axes: T 4.5150,Plg43.0000°,Azm177.0000°; N -0.2290,Plg30.0000°,Azm54.0000° ; P -4.2840,Plg32.0000°,Azm303.0000° M_o4.40000×10^{16}

(214) West of Mariana Islands.

IDC VII 05 11 53 24.1–2.6 21.37N 140.39E 0 3.3b,3.3
¶620927960

IDC Error ellipse: s-maj=133.3km s-min=24.8km az=84.0.

(215) Mariana Islands region.

ISC VII 02 07 27 12.9–.38 21.40N–.05 144.39E–.08 114 4.7b 141 6-149
BJI VII 02 07 27 06.3 20.70N 144.89E 120 4.8b,4.6b **¶620697803**
IDC VII 02 07 27 14.0–.67 21.43N 144.44E 120–5 4.4,4.0b
NEIC VII 02 07 27 15.0–.98 21.39N–.08 144.4E–.10 125–6 4.6b,4.0b
GFZ VII 02 07 27 15.8–1.1 21N–7.0 144E–5.0 149–13 5.3,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 03 05 10 47.6–4.2 19.3N–.70 143.1E–.30 35 3.9b 7 22-91
IDC VII 03 05 10 41.2–4.1 19.17N 143.16E 0 3.8b,3.8 **¶620927791**

ISC Event type se.
IDC Error ellipse: s-maj=110.8km s-min=49.8km az=13.0.
IDC VII 05 17 31 17.2–14 21.75N 143.71E 286–121 3.6,3.0b
¶620927975

IDC Error ellipse: s-maj=191.4km s-min=16.3km az=77.0.
ISC VII 06 08 40 09.1–1.1 21.7N–.10 143.1E–.20 300 3.6b 11 5-83
IDC VII 06 08 40 07.9–2.6 21.65N 143.18E 288–21 3.9,3.2b **¶620928015**
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=22.8km az=83.0.
ISC VII 06 22 17 28.6–1.8 21.7N–.20 143.3E–.30 300 3.7b 9 5-83
IDC VII 06 22 17 29.1–8.4 21.76N 143.32E 302–51 3.9,3.2b **¶620928065**
ISC Event type se.
IDC Error ellipse: s-maj=88.4km s-min=39.1km az=176.0.
ISC VII 08 01 55 51.3–.33 21.66N–.04 143.18E–.07 300 4.4b 262 5-161
IDC VII 08 01 55 49.8–1.2 21.64N 143.18E 283–10 4.7,3.9b **¶620772586**
NEIC VII 08 01 55 50.0–1.2 21.59N–.06 143.2E–.10 276–4 4.5b,3.9b
GFZ VII 08 01 55 50.2–.73 22N–3.0 143E–5.0 281–7 4.5b,4.5
JMA VII 08 01 55 52.2–.26 22N–1.0 143E–2.0 290–2 4.5b,4.5
BJI VII 08 01 55 56.1 22.19N 142.70E 309 4.7b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=11.4km s-min=8.2km az=68.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=8.8km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.1km s-min=6.1km az=100.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. MARIANA ISLANDS REGION .
ISC VII 09 08 19 21.6–.69 21.85N–.08 143.1E–.10 35 4.1b,3.0s 40 5-150
IDC VII 09 08 19 15.8–.80 21.69N 143.14E 0 3.9b,3.9 **¶620928243**
NEIC VII 09 08 19 18.8–1.3 21.8N–.10 143.11E–.07 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 12 08 53.9–.52 19.80N–.05 146.1E–.10 57 4.1b,2.9s 64 6-91
NEIC VII 10 12 08 56.0–1.6 19.74N–.07 146.2E–.20 74–8 4.3b,2.9s **¶620928356**
IDC VII 10 12 08 55.5–3.0 19.71N 146.07E 74–28 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=10.7km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.8km s-min=12.1km az=82.0.
ISC VII 13 03 06 56.5–.60 16.62N–.07 147.3E–.10 10 4.3b 52 4-146
IDC VII 13 03 06 55.1–.61 16.76N 147.45E 0 4.4L,4.2 **¶620928515**
NEIC VII 13 03 06 57.0–1.4 16.64N–.09 147.4E–.10 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 01 09 16.6–.72 21.73N–.09 144.1E–.20 100 4.0b 38 6-145
IDC VII 19 01 09 15.3–3.2 21.68N 144.06E 87–28 3.9,3.6b **¶620928852**
NEIC VII 19 01 09 17.2–.57 21.70N–.08 143.9E–.10 94–7 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 11 32 46.1–1.4 21.7N–.20 146.4E–.30 35 4.0b 8 22-84
IDC VII 19 11 32 41.0–1.5 21.67N 146.31E 0 3.9b,3.9 **¶620928871**
ISC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=21.1km az=85.0.
ISC VII 23 03 30 11.4–1.1 14.8N–.10 147.0E–.10 32 4.1b 27 2-70
IDC VII 23 03 30 06.4–1.3 14.85N 147.15E 0 4.0b,4.0 **¶620967884**
NEIC VII 23 03 30 08.4–2.2 14.8N–.10 147.13E–.10 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 22 12 04 42.5–1.4 21.6N–.10 143.1E–.30 311 3.0b 6 6-62
IDC VII 22 12 04 41.8–2.8 21.58N 143.13E 301–30 3.6,2.7b **¶620967826**
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=19.0km az=86.0.
IDC VII 23 17 30 29.6–1.4 21.57N 141.69E 0 3.4b,3.4
¶620967932

IDC Error ellipse: s-maj=66.0km s-min=26.2km az=93.0.
ISC VII 25 18 02 07.7–.68 21.62N–.09 143.2E–.20 311 3.6b 24 6-150
IDC VII 25 18 02 05.4–2.1 21.57N 143.17E 283–20 4.2,3.4b **¶620973786**
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=8.8km az=84.0.
IDC VII 26 16 09 40.7–2.8 21.69N 143.43E 244–45 3.6,2.9b
¶620973856

IDC Error ellipse: s-maj=145.4km s-min=16.2km az=76.0.
ISC VII 29 00 39 07.8–1.1 19.5N–.20 147.5E–.20 29 3.9b 13 18-87
IDC VII 29 00 39 03.2–1.1 19.53N 147.55E 0 3.9b,3.9 **¶620984032**
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=20.2km az=77.0.
ISC VII 29 15 29 31.3–.51 21.61N–.03 143.05E–.05 314–4 4.5b 420 6-150
IDC VII 29 15 29 30.9–.91 21.55N 143.05E 311–8 4.8,4.1b **¶620878559**
NEIC VII 29 15 29 30.9–1.6 21.62N–.06 143.04E–.07 304–5 4.5b,4.1b
GFZ VII 29 15 29 31.6–.22 22N–2.0 143E–6.0 311 4.8b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 31 05 45 34.6–.79 16.6N–.10 143.5E–.20 35 3.7b,3.4s 11 3-150
IDC VII 31 05 45 29.7–.77 16.77N 143.48E 0 4.3L,3.7 **¶620986111**
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=14.2km az=75.0.
ISC VIII 11 21 48 35.3–.66 15.83N–.09 147.6E–.10 38 4.0b 31 3-90
NEIC VIII 11 21 48 32.0–.85 15.9N–.10 147.4E–.10 10–1 4.4b **¶621009364**
IDC VIII 11 21 48 39.1–4.2 15.88N 147.33E 66–38 4.0L,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=18.3km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.6km s-min=17.5km az=94.0.
ISC VIII 01 10 11 34.8–.91 17.37N–.08 147.5E–.10 50 3.9b 21 5-69
NEIC VIII 01 10 11 30.9–1.4 17.46N–.05 147.5E–.20 10–2 4.1b **¶620986199**
IDC VIII 01 10 11 38.1–5.6 17.39N 147.07E 64–42 3.9L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=6.8km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.3km s-min=18.3km az=87.0.
ISC VIII 11 15 02 51.6–.39 15.91N–.03 147.25E–.04 14–2 5.5b,5.3s 1169 2-157
BJI VIII 11 15 02 45.7 15.75N 147.68E 10 5.3s,5.3b **¶620983077**
IDC VIII 11 15 02 49.6–.34 16.05N 147.24E 0 5.2b,5.2
MOS VIII 11 15 02 49.6–.89 15.97N 147.10E 9 5.6b,5.1s
ISC-P VIII 11 15 02 51 15.91N 147.26E 15–0 6.0,5.1s
GFZ VIII 11 15 02 51.8 15.90N 147.29E 29 5.5W,5.1s
NEIC VIII 11 15 02 51.5 15.88N 147.21E 10 5.5W,5.1s
NEIC VIII 11 15 02 51.4–1.6 15.91N–.07 147.26E–.09 10–1 5.6b,5.3
PTWC VIII 11 15 02 52 16.00N 147.30E 10 5.5,5.3
NEIC VIII 11 15 02 52.1 15.88N 147.21E 20 5.5,5.3
GFZ VIII 11 15 02 53.0–.48 16N–2.0 147E–2.0 18–3 5.5b,5.3
GCMT VIII 11 15 02 54.4–.10 15.92N–.01 147.38E–.01 12 5.4W,5.3
DJA VIII 11 15 02 54.9–.90 16N–2.0 147E–3.0 30–7 5.9b,5.5
ISC Event type se.
ISC-P Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}0.50±.17 $M_{\theta\theta}$-0.02±.19; $M_{\phi\phi}$-0.47±.15; $M_{r\theta}$-0.33±.14; $M_{\theta\phi}$-0.00±.22; $M_{\phi r}$0.40±.18; NP1:ϕ_s177.20000°,δ45.00000° ,λ134.30000°. NP2:ϕ_s303.10000°,δ59.60000°,λ55.10000°. M_o1.20000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.88 $M_{\theta\theta}$-1.17 $M_{\phi\phi}$-0.71 $M_{r\theta}$1.27 $M_{\theta\phi}$0.83 $M_{\phi r}$-1.04 NP1: ϕ_s128.52348°,δ65.87173°,λ90.93053°. NP2:ϕ_s306.24812°,δ24.14513°,λ87.92352°.

Principal axes: T 2.5026,Plg69.1146°,Azm40.3694°; N -0.0754,Plg0.8492°,Azm308.1431° ; P -2.4272,Plg20.8665°,Azm217.8193° $M_0$2.46577×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PTWC MARIANA ISLANDS REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.71 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$-0.82 $M_{r\theta}$1.24 $M_{\theta\phi}$0.92 $M_{\phi r}$-1.19 NP1:ϕ_s314.14000°,δ22.67000° ,λ90.22000°. NP2:ϕ_s133.90000°,δ67.33000°,λ89.91000°. Principal axes: T 2.4183,Plg68.0000°,Azm44.0000°; N 0.0665,Plg0.0000°,Azm134.0000° ; P -2.4848,Plg22.0000°,Azm224.0000° $M_0$2.45000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108111502A. Moment Tensor Solution. s87,c131; s151,c303;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.53±.01 $M_{\theta\theta}$-0.85±.01; $M_{\phi\phi}$-0.67±.01; $M_{r\theta}$-0.22±.04; $M_{\theta\phi}$0.93±.01; $M_{\phi r}$-0.01±.04; Best double couple: NP1: ϕ_s139.00000°,δ43.00000°,λ100.00000°. NP2:ϕ_s306.00000°,δ48.00000°,λ81.00000°. Principal axes: T 1.5550,Plg83.0000°,Azm155.0000°; N 0.1550,Plg6.0000°,Azm312.0000° ; P -1.7100,Plg3.0000°,Azm42.0000° $M_0$1.63300×10^{17}

ISC VIII 08 18 46 47.9–2.2 20.0N–.40 143.5E–.30 35 4.0b 11 17-85
IDC VIII 08 18 46 41.2–2.7 19.78N 143.52E 0 3.9b,3.9 **¶621002140**
ISC Event type se.
IDC Error ellipse: s-maj=71.2km s-min=38.7km az=9.0.
ISC VIII 10 11 30 40.4–1.5 21.3N–.20 143.2E–.30 250 3.5b 10 6-84
IDC VIII 10 11 30 41.6–22 21.28N 143.17E 263–166 3.9,3.3b **¶621008112**
ISC Event type se.
IDC Error ellipse: s-maj=169.3km s-min=31.2km az=178.0.
ISC VIII 15 12 28 28.3–.95 19.9N–.20 147.1E–.30 40 4.0b 8 19-86
IDC VIII 15 12 28 22.5–.89 19.90N 147.09E 0 3.9b,3.9 **¶621023605**
ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=22.5km az=102.0.
ISC VIII 17 03 54 49.7–.88 21.2N–.10 146.3E–.20 35 4.1b 25 17-85
IDC VIII 17 03 54 44.9–1.3 21.21N 146.15E 0 3.9b,3.9 **¶621030228**
NEIC VIII 17 03 54 47.0–1.0 21.36N–.05 146.3E–.20 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 02 04 31.2–2.2 17.1N–.20 147.7E–.50 41 4.0b 9 21-89
IDC VIII 21 02 04 25.1–2.3 17.06N 147.72E 0 3.9b,3.9 **¶621042963**
ISC Event type se.
IDC Error ellipse: s-maj=79.1km s-min=21.3km az=85.0.
ISC VIII 23 23 14 13.2–.86 21.72N–.05 143.05E–.07 295–8 4.3b 282 5-150
NEIC VIII 23 23 14 14.1–1.4 21.75N–.07 143.0E–.10 295–6 4.3b **¶621001066**
GFZ VIII 23 23 14 14.4–.52 22N–4.0 143E–5.0 302–5 4.9,4.5b
IDC VIII 23 23 14 14.2–1.4 21.67N 143.07E 306–13 4.6,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=9.9km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.4km s-min=7.6km az=101.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=12.2km s-min=7.2km az=79.0.
IDC IX 02 12 39 34.1–1.8 18.77N 142.13E 0 3.6,3.5L
¶621080684
IDC Error ellipse: s-maj=97.9km s-min=15.7km az=91.0.
ISC IX 13 23 09 51.5–.88 21.8N–.10 143.1E–.20 300 3.2b 14 5-150
IDC IX 13 23 09 52.0–5.8 21.71N 143.05E 304–56 3.8,3.1b **¶621109728**
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=16.8km az=87.0.
IDC IX 07 19 16 54.0–13 20.88N 146.49E 0 3.4b,3.4
¶621094335
IDC Error ellipse: s-maj=473.4km s-min=36.4km az=77.0.
ISC IX 23 22 04 55.1–2.0 19.6N–.20 146.8E–.40 39 3.9b 10 24-86
IDC IX 23 22 04 49.2–2.0 19.66N 146.89E 0 3.9b,3.9 **¶621125885**
ISC Event type se.
IDC Error ellipse: s-maj=72.3km s-min=20.3km az=84.0.
ISC IX 26 06 41 32.7–.76 21.69N–.06 145.0E–.10 50 4.0b,2.6s 42 6-84
NEIC IX 26 06 41 32.9–.91 21.60N–.03 145.0E–.20 50–9 4.3b,2.6s **¶621131497**
IDC IX 26 06 41 35.2–3.1 21.59N 145.49E 96–29 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=4.1km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.3km s-min=12.6km az=81.0.
ISC X 02 00 53 36.4–4.7 20.4N–.80 146.4E–.30 34 3.8b 8 23-86
IDC X 02 00 53 30.6–4.2 20.32N 146.42E 0 3.8b,3.8 **¶621186035**
ISC Event type se.
IDC Error ellipse: s-maj=103.6km s-min=44.6km az=1.0.
ISC IX 30 03 14 43.6–1.3 17.0N–.20 147.0E–.40 48 3.5b 7 21-85
IDC IX 30 03 14 37.0–1.4 16.95N 147.09E 0 3.6b,3.6 **¶621147739**
ISC Event type se.
IDC Error ellipse: s-maj=56.6km s-min=21.9km az=92.0.
ISC X 01 09 09 48.6–1.0 21.7N–.10 143.4E–.30 150 3.6b 10 21-83
IDC X 01 09 09 50.8–9.4 21.76N 143.45E 170–87 3.8,3.3b **¶621147822**
ISC Event type se.
IDC Error ellipse: s-maj=50.4km s-min=15.1km az=76.0.
IDC X 12 09 06 39.3–1.3 21.43N 144.18E 0 3.8b,3.8
¶621236935
IDC Error ellipse: s-maj=50.5km s-min=23.5km az=89.0.
IDC X 03 04 01 09.2–4.8 16.97N 144.85E 0 3.4,3.3b
¶621186110
IDC Error ellipse: s-maj=195.7km s-min=22.4km az=82.0.
IDC X 15 15 47 22.3–3.4 20.41N 141.79E 0 3.2b,3.2
¶621242068
IDC Error ellipse: s-maj=429.4km s-min=29.4km az=108.0.
ISC X 13 03 21 04.9–2.7 20.8N–.20 146.7E–.80 10 4.2b 8 42-85
IDC X 13 03 21 04.8–2.7 20.74N 146.27E 0 3.9b,3.9 **¶621238945**
ISC Event type se.
IDC Error ellipse: s-maj=111.0km s-min=20.3km az=83.0.
ISC X 14 10 27 36.8–.87 21.72N–.09 143.5E–.20 250 3.5b 18 5-150
IDC X 14 10 27 36.6–1.9 21.69N 143.34E 241–18 4.0,3.3b **¶621240631**
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=11.9km az=81.0.
ISC X 29 21 05 12.2–2.8 19.9N–.20 146.5E–.80 35 3.8b 10 18-86
IDC X 29 21 05 05.2–2.7 19.95N 146.95E 0 3.8b,3.8 **¶621391463**
ISC Event type se.
IDC Error ellipse: s-maj=109.8km s-min=19.0km az=80.0.
ISC X 20 03 28 32.6–.45 21.80N–.05 144.54E–.06 82–3 4.8b 427 6-149
BJI X 20 03 28 28.5 21.72N 144.55E 67 5.1b,5.0b **¶621221492**
IDC X 20 03 28 31.6–2.1 21.81N 144.50E 75–17 4.8,4.5b
GFZ X 20 03 28 32.0–.26 22N–3.0 145E–5.0 82 5.5b,5.1b
NEIC X 20 03 28 33.7–.95 21.86N–.08 144.4E–.10 81–5 4.8b,5.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 11 54 53.9–.70 21.90N–.07 144.3E–.10 100 4.5b 92 5-149
NEIC X 29 11 54 39.1–1.2 21.09N–.06 145.3E–.20 43–9 4.5b **¶621244107**
IDC X 29 11 54 48.8–3.0 21.98N 144.39E 48–25 4.5L,4.4
JMA X 29 11 55 00.3–.57 22N–2.0 145E–2.0 99 5.3,4.4
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
ISC X 18 13 58 13.9–6.3 19.0N–.30 146E–2.0 35 3.8b 6 40-66
IDC X 18 13 58 11.8–5.0 18.97N 145.17E 0 3.7b,3.7 **¶621244032**
ISC Event type se.
IDC Error ellipse: s-maj=183.5km s-min=22.2km az=82.0.

ISC X 24 11 41 30.2–1.9 21.6N–.20 143.2E–.40 311 3.4b 9 21-83
IDC X 24 11 41 30.0–8.4 21.66N 143.24E 309–78 3.9,3.2b **¶621366391**
ISC Event type se.
IDC Error ellipse: s-maj=64.0km s-min=20.4km az=81.0.
ISC X 30 18 12 01.4–1.4 21.9N–.10 143.9E–.40 250 3.4b 11 5-149
IDC X 30 18 12 00.6–2.4 21.81N 143.71E 235–21 3.7,3.1b **¶621395190**
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=16.4km az=80.0.
IDC XI 01 10 56 29.6–3.7 21.47N 146.50E 0 3.8b,3.8
¶621401262
IDC Error ellipse: s-maj=150.3km s-min=24.2km az=81.0.
ISC XI 14 14 04 04.6–1.2 17.6N–.20 147.2E–.40 48 3.6b 6 39-68
IDC XI 14 14 03 58.0–1.3 17.66N 147.24E 0 3.6b,3.6 **¶621468694**
ISC Event type se.
IDC Error ellipse: s-maj=59.4km s-min=22.5km az=91.0.
ISC XI 03 14 12 31.5–.50 21.33N–.06 144.52E–.09 114 4.5b 94 6-92
IDC XI 03 14 12 23.8–3.4 21.42N 144.66E 43–30 4.4,4.2b **¶621412246**
NEIC XI 03 14 12 34.4–1.0 21.39N–.08 144.5E–.10 134–7 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 01 23 33 11.8–1.5 21.4N–.20 143.5E–.30 150 3.9b 10 6-84
IDC XI 01 23 33 14.7–10 21.62N 143.51E 169–65 4.0,3.6b **¶621401313**
ISC Event type se.
IDC Error ellipse: s-maj=86.6km s-min=30.0km az=175.0.
ISC XI 04 18 03 45.9–4.3 19.1N–.70 143.5E–.30 35 4.0b 8 23-86
IDC XI 04 18 03 39.8–4.4 18.96N 143.60E 0 3.9b,3.9 **¶621412311**
ISC Event type se.
IDC Error ellipse: s-maj=117.9km s-min=49.3km az=5.0.
ISC XI 10 20 46 03.1–.81 21.85N–.09 143.2E–.20 100 4.4b 65 5-146
IDC XI 10 20 46 05.7–2.8 22.03N 143.25E 126–24 3.9,3.4b **¶621440079**
NEIC XI 10 20 46 14.0–1.3 22.1N–.10 143.0E–.20 190–8 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 16 12 32 44.6–.49 21.64N–.06 143.3E–.10 250 4.0b 82 6-150
IDC XI 16 12 32 42.0–1.9 21.64N 143.33E 222–16 4.3,3.8b **¶621475679**
NEIC XI 16 12 32 47.0–.84 21.66N–.09 143.4E–.10 269–7 4.0b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 24 12 51 35.6–7.1 21.89N 144.86E 0 3.4b,3.4
¶621613983
IDC Error ellipse: s-maj=285.1km s-min=24.7km az=78.0.
ISC XI 24 18 17 34.3–.58 21.66N–.07 143.3E–.10 250 3.9b 66 6-150
NEIC XI 24 18 17 32.7–1.8 21.61N–.09 143.3E–.20 225–7 4.1b **¶621614002**
IDC XI 24 18 17 33.2–1.9 21.64N 143.34E 235–17 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=12.9km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=10.7km az=83.0.
ISC XII 04 10 38 57.5–3.4 21.0N–.20 146E–1.0 34 3.8b 6 38-85
IDC XII 04 10 38 52.6–3.7 21.06N 145.99E 0 3.7s,3.6b **¶621630662**
ISC Event type se.
IDC Error ellipse: s-maj=155.0km s-min=25.5km az=81.0.
IDC XI 26 16 00 25.5–7.7 21.73N 143.61E 292–79 3.7,3.0b
¶621622012
IDC Error ellipse: s-maj=155.6km s-min=19.5km az=83.0.
ISC XII 03 19 17 45.2–4.1 21.6N–.70 143.1E–.30 350 3.5b 9 16-83
IDC XII 03 19 17 48.1–29 21.85N 143.09E 368–213 3.9,3.2b **¶621630615**
ISC Event type se.
IDC Error ellipse: s-maj=239.2km s-min=29.7km az=172.0.
ISC XI 24 19 51 45.3–.88 21.65N–.09 143.3E–.30 250 3.6b 13 6-146
IDC XI 24 19 51 45.4–1.9 21.65N 143.25E 246–19 3.9,3.3b **¶621614004**
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=11.3km az=85.0.
IDC XII 08 13 28 38.5–9.8 21.58N 144.15E 227–75 3.8,3.3b
¶621634706
IDC Error ellipse: s-maj=128.7km s-min=14.2km az=78.0.
ISC XII 19 19 40 39.6–.99 19.3N–.10 146.5E–.30 35 3.6b 9 6-77
IDC XII 19 19 40 34.4–1.0 19.34N 146.49E 0 4.1L,3.6 **¶621657094**
ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=17.6km az=97.0.
ISC XII 11 20 29 25.8–1.3 20.0N–.10 147.0E–.30 40 3.6b 17 18-86
IDC XII 11 20 29 32.5–10 20.06N 146.91E 101–95 3.6,3.3b **¶621644214**
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=18.9km az=85.0.
IDC XII 14 16 41 00.3–1.4 21.29N 143.77E 0 3.6b,3.6
¶621652936
IDC Error ellipse: s-maj=57.6km s-min=24.3km az=89.0.
ISC XII 27 21 45 22.6–3.0 16.0N–.50 144.4E–.20 35 3.7b,3.1s 9 2-98
IDC XII 27 21 45 17.1–3.1 16.01N 144.43E 0 3.7b,3.7 **¶621717341**
ISC Event type se.
IDC Error ellipse: s-maj=75.8km s-min=34.8km az=168.0.
ISC XII 24 23 28 48.5–1.1 22.0N–.20 142.9E–.30 250 3.2b 9 39-83
IDC XII 24 23 28 49.8–14 21.97N 142.92E 262–148 3.6,3.0b **¶621700107**
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=20.4km az=75.0.
ISC XII 28 13 38 30.3–.65 15.44N–.10 147.6E–.10 10 4.1b 25 3-80
IDC XII 28 13 38 29.1–1.4 15.48N 147.69E 0 3.8L,3.5 **¶621717390**
NEIC XII 28 13 38 30.9–.98 15.44N–.04 147.6E–.10 10–1 4.2b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

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ISC VII 04 12 11 35.4–.56 16.49N–.08 145.6E–.10 500 3.9b 34 3-89
IDC VII 04 12 11 36.5–.83 16.45N 145.66E 517–9 3.9,3.0b **¶620927876**
NEIC VII 04 12 11 37.0–.95 16.43N–.09 145.6E–.20 517–8 4.2b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 06 20 11 53.6–.65 13.70N–.08 145.2E–.10 124–5 4.2b 49 0-148
IDC VII 06 20 11 53.2–.79 13.67N 145.06E 119–4 4.0,3.6b **¶620928056**
NEIC VII 06 20 11 54.1–1.7 13.71N–.10 145.14E–.10 120–5 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 07 23 44 53.6–1.3 18.4N–.10 145.7E–.30 10 3.9b,3.1s 11 19-87
IDC VII 07 23 44 52.1–1.3 18.38N 145.75E 0 3.9b,3.9 **¶620928148**
ISC Event type se.
IDC Error ellipse: s-maj=47.4km s-min=20.9km az=86.0.
ISC VII 08 22 29 01.5–.60 13.9N–.10 145.3E–.10 100 4.0b 29 0-144
IDC VII 08 22 29 01.0–1.0 13.86N 145.27E 101–7 3.8,3.4b **¶620928203**
NEIC VII 08 22 29 02.8–.86 13.9N–.10 145.2E–.10 105–4 4.5b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 09 11 54 33.6–1.1 13.0N–.20 144.1E–.20 138 3.4b 8 1-84
IDC VII 09 11 54 33.2–1.4 13.05N 144.07E 130–19 3.7,3.3b **¶620928261**
ISC Event type se.
IDC Error ellipse: s-maj=51.8km s-min=24.2km az=89.0.
ISC VII 09 17 33 42.7–.65 18.73N–.06 145.4E–.20 200 3.9b 46 5-148
NEIC VII 09 17 33 41.7–2.3 18.79N–.07 145.5E–.20 179–9 4.0b **¶620928275**
IDC VII 09 17 33 42.8–2.5 18.71N 145.77E 200–23 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=10.3km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.6km s-min=12.1km az=88.0.

ISC VII 11 02 04 57.9–.74 18.39N–.06 145.4E–.10 487–8 4.2b 126 5-148
NEIC VII 11 02 04 58.6–1.8 18.46N–.09 145.4E–.10 484–8 4.2b **¶620928392**
IDC VII 11 02 04 59.1–1.1 18.43N 145.49E 501–12 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=13.6km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.5km s-min=8.1km az=94.0.
ISC VII 13 00 26 19.4–.59 18.90N–.07 145.3E–.10 150 3.8b 30 5-148
NEIC VII 13 00 26 19.6–1.4 18.96N–.09 145.2E–.10 147–9 4.2b **¶620928511**
IDC VII 13 00 26 20.6–3.5 18.92N 145.43E 161–32 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.1km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.7km s-min=13.8km az=94.0.
ISC VII 15 01 46 58.7–.55 18.30N–.06 145.5E–.10 150 4.2b 38 5-148
IDC VII 15 01 46 56.3–4.0 18.34N 145.90E 139–37 4.0,3.6b **¶620928620**
NEIC VII 15 01 47 00.3–.92 18.32N–.06 145.5E–.10 158–8 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 10 11 37.6–.54 17.92N–.07 145.8E–.10 200 4.2b 40 4-148
IDC VII 19 10 11 38.1–2.1 17.87N 145.80E 208–18 4.0,3.5b **¶620928867**
NEIC VII 19 10 11 39.7–.68 17.89N–.09 145.7E–.10 216–7 4.5b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 22 22 34 41.9–.00 18.7N–.10 145.3E–.30 350 3.4b 10 19-87
IDC VII 22 22 34 40.2–5.3 18.65N 145.35E 333–55 3.8,3.1b **¶620967857**
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=14.8km az=87.0.
IDC VII 22 07 32 18.7–1.7 14.12N 145.21E 0 3.6b,3.6
¶620967811
IDC Error ellipse: s-maj=61.0km s-min=32.5km az=94.0.
ISC VII 25 02 18 56.3–.58 18.91N–.06 145.3E–.10 250 3.6b 34 5-92
IDC VII 25 02 18 56.5–2.0 18.91N 145.31E 252–20 3.9,3.2b **¶620973739**
NEIC VII 25 02 18 57.7–.99 18.9N–.10 145.3E–.20 258–9 4.0b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 23 09 07 44.6–.55 17.24N–.08 146.9E–.10 48 4.5b,3.5s 76 4-146
IDC VII 23 09 07 37.8–.62 17.27N 147.12E 0 4.3L,4.2b **¶620845292**
NEIC VII 23 09 07 44.0–.81 17.28N–.08 146.9E–.10 35–2 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 01 01 09 20.0–.46 14.02N–.05 145.04E–.07 125–3 4.6b 182 0-150
BJI VIII 01 01 09 15.5 13.74N 145.43E 129 5.0b,4.6b **¶620925405**
DJA VIII 01 01 09 17.8–.90 14N–10 145E–8.0 118–5 5.4b,5.0b
IDC VIII 01 01 09 18.8–.42 14.05N 145.07E 116–2 4.5,4.1b
NEIC VIII 01 01 09 20.2–1.9 14.01N–.09 145.1E–.10 121–5 4.6b,4.1b
GFZ VIII 01 01 09 20.4–.27 14N–3.0 145E–6.0 128 4.8b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 25 06 03 55.5–.56 17.09N–.07 145.5E–.10 400 3.9b 51 4-89
IDC VII 25 06 03 55.6–1.8 17.19N 145.64E 400–20 4.2,3.5b **¶620973750**
NEIC VII 25 06 03 55.1–1.2 17.2N–.10 145.5E–.10 387–8 4.0b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 26 23 27 45.7–7.7 15.17N 146.55E 0 3.7b,3.7
¶620973888
IDC Error ellipse: s-maj=313.3km s-min=33.2km az=84.0.
IDC VII 28 10 01 17.7–1.0 19.33N 144.75E 0 3.5b,3.5
¶620979611
IDC Error ellipse: s-maj=48.4km s-min=23.8km az=104.0.
ISC VII 30 22 36 42.6–.78 13.8N–.10 144.2E–.20 150 3.7b 18 1-74
IDC VII 30 22 36 42.8–.92 13.83N 144.64E 162–16 3.8,3.4b **¶620986097**
NEIC VII 30 22 36 43.7–1.7 13.84N–.08 144.8E–.30 170–6 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 04 18 02 44.6–.49 19.16N–.05 145.6E–.10 100 4.3b 84 6-92
IDC VIII 04 18 02 41.5–2.4 19.25N 145.79E 69–22 4.2,3.9b **¶620997321**
NEIC VIII 04 18 02 45.0–1.6 19.12N–.09 145.6E–.20 93–8 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 06 10 35 15.8–.39 18.57N–.05 145.58E–.09 200 4.2b 134 5-148
NEIC VIII 06 10 35 16.6–.83 18.59N–.07 145.5E–.10 202–3 4.3b **¶620998889**
IDC VIII 06 10 35 18.5–2.2 18.55N 145.57E 230–21 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.9km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=8.3km az=80.0.
ISC VIII 13 04 02 46.9–.63 18.9N–.10 145.2E–.20 250 3.8b 31 18-92
IDC VIII 13 04 02 51.0–4.9 18.82N 145.49E 295–48 4.0,3.3b **¶621012012**
NEIC VIII 13 04 02 60.0–1.9 18.9N–.10 145.2E–.20 381–5 4.2b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 09 01 34 17.6–.32 18.95N–.03 145.55E–.05 217–2 4.9b 464 5-158
BJI VIII 09 01 34 16.8 18.99N 145.67E 229 4.8b,4.6b **¶620976523**
DJA VIII 09 01 34 17.6–.60 19N–4.0 146E–6.0 217–7 5.9b,5.4
GFZ VIII 09 01 34 17.5–.21 19N–2.0 146E–3.0 209–1 4.9,4.8b
GCMT VIII 09 01 34 18.5–.40 18.81N–.03 145.68E–.03 222–3 4.9W,4.8b
NEIC VIII 09 01 34 18.0–2.4 18.98N–.07 145.5E–.10 214–5 4.9b,4.8b
IDC VIII 09 01 34 19.6–1.1 18.92N 145.44E 235–9 4.8,4.3b
ISC Event type se.
GFZ Error ellipse: s-maj=6.2km s-min=4.8km az=110.2. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108090134A. Moment Tensor Solution. s26,c26; s83,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.01±.14 $M_{\theta\theta}$-0.60±.16; $M_{\phi\phi}$-2.42±.16; $M_{r\theta}$0.77±.14; $M_{\theta\phi}$0.09±.21; $M_{\phi r}$-0.80±.15; Best double couple: NP1:ϕ_s6.00000°,δ37.00000°,λ107.00000°. NP2:ϕ_s165.00000°,δ55.00000°,λ78.00000°. Principal axes:
T 3.2690,Plg77.0000°,Azm35.0000°; N -0.7200,Plg10.0000°,Azm172.0000°
; P -2.5560,Plg9.0000°,Azm264.0000° $M_0$2.91300×10^{16}
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.0km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.9km s-min=5.5km az=93.0.
ISC VIII 17 15 44 18.9–.49 13.85N–.08 144.8E–.10 125 4.3b 50 0-148
IDC VIII 17 15 44 18.0–.47 13.85N 144.93E 121–5 3.9,3.5b **¶621030282**
NEIC VIII 17 15 44 19.5–1.3 13.9N–.10 144.8E–.10 121–3 4.5b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 08 21 56.7–.61 13.94N–.09 144.8E–.20 200 3.9b 36 0-89
IDC VIII 13 08 21 55.3–.46 14.02N 144.88E 177–4 3.9,3.4b **¶621012090**
NEIC VIII 13 08 21 56.1–1.2 14.0N–.10 144.7E–.20 179–6 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 15 37 18.8–.62 20.68N–.04 145.37E–.06 89–5 4.8b 312 7-151
BJI VIII 20 15 37 16.2 20.62N 145.47E 88 4.9b,4.8b **¶620998941**
GCMT VIII 20 15 37 17.6–.40 20.61N–.02 145.65E–.03 95–3 4.9W,4.8b
NEIC VIII 20 15 37 18.7–1.8 20.55N–.08 145.4E–.10 88–6 4.9b,4.8b
GFZ VIII 20 15 37 19.4–.84 21N–4.0 145E–5.0 89–8 4.8b,4.7
IDC VIII 20 15 37 20.4–2.1 20.55N 145.29E 107–18 4.7,4.4b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108201537A. Moment Tensor Solution. s30,c35; s73,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.05±.09 $M_{\theta\theta}$2.69±.08; $M_{\phi\phi}$-0.63±.09; $M_{r\theta}$-0.15±.09; $M_{\theta\phi}$-0.45±.10; $M_{\phi r}$-0.23±.07; Best double couple: NP1:ϕ_s288.00000°,δ44.00000°,λ-76.00000°. NP2:ϕ_s88.00000°,δ47.00000°,λ-104.00000°. Principal axes:
T 2.7530,Plg1.0000°,Azm187.0000°; N -0.6540,Plg10.0000°,Azm97.0000°
; P -2.0970,Plg80.0000°,Azm286.0000° $M_0$2.42500×10^{16}
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=11.0km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=14.3km s-min=8.6km az=70.0.
ISC VIII 19 02 51 29.0–.58 18.15N–.05 146.5E–.10 66 4.2b 46 5-147
NEIC VIII 19 02 51 27.9–1.2 18.14N–.07 146.7E–.10 58–5 4.5b **¶621039149**
IDC VIII 19 02 51 32.1–2.8 18.09N 146.37E 95–25 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.7km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=12.4km az=81.0.
ISC VIII 19 11 10 58.4–.97 13.9N–.20 145.0E–.40 200 3.2b 8 0-83
IDC VIII 19 11 10 57.7–.72 13.95N 145.03E 186–5 3.5,3.0b **¶621039180**
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=21.1km az=88.0.
ISC VIII 23 05 33 21.2–.54 18.77N–.09 145.3E–.10 450 3.8b 78 18-148
NEIC VIII 23 05 33 18.8–2.1 18.8N–.10 145.4E–.10 416–9 3.9b **¶621049198**
IDC VIII 23 05 33 22.1–5.6 18.69N 145.57E 468–63 4.1,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=15.5km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.5km s-min=21.4km az=60.0.
ISC VIII 22 23 55 16.5–.52 13.93N–.09 144.6E–.10 144 4.4b 39 0-148
IDC VIII 22 23 55 17.0–.53 13.85N 144.71E 154–5 4.2s,3.7 **¶621043146**
NEIC VIII 22 23 55 17.9–1.4 13.93N–.09 144.7E–.10 155–2 4.6b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 12 27 54.9–.49 13.87N–.08 144.9E–.10 200 3.8b 53 0-87
IDC VIII 22 12 27 53.9–.40 13.92N 144.80E 179–3 3.9,3.4b **¶621043085**
NEIC VIII 22 12 27 54.5–.85 13.92N–.05 144.9E–.10 187–5 4.0b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 22 08 06.3–.44 13.66N–.07 144.9E–.10 109 4.3b 54 15-148
IDC VIII 29 22 07 53.2–.64 13.71N 144.95E 0 4.0b,4.0 **¶621073205**
NEIC VIII 29 22 08 02.8–1.1 13.72N–.10 144.8E–.10 69–7 4.7b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 10 13 00.7–.38 18.15N–.05 145.94E–.09 100 4.6b 120 5-147
IDC VIII 23 10 13 00.5–.56 18.19N 145.85E 103–5 4.1,3.7b **¶621000183**
NEIC VIII 23 10 13 02.8–1.6 18.12N–.08 145.88E–.06 118–7 4.6b,3.7b
GFZ VIII 23 10 13 04.1–1.2 18N–7.0 146E–7.0 122–10 4.5b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 26 21 24 35.2–.47 19.03N–.06 145.31E–.09 214 4.0b 56 9-86
IDC VIII 26 21 24 38.7–4.6 18.96N 145.51E 256–46 3.9,3.3b **¶621059025**
NEIC VIII 26 21 24 41.6–.80 18.98N–.09 145.3E–.10 274–9 4.2b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 19 20 37.9–.80 13.6N–.10 144.7E–.10 129 4.0b 14 15-63
IDC VIII 28 19 20 21.8–5.5 13.84N 145.07E 0 3.5b,3.5 **¶621073125**
NEIC VIII 28 19 20 37.8–.82 13.66N–.10 144.8E–.20 120–10 4.3b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 11 54 38.7–1.1 19.1N–.10 145.3E–.30 100 3.8b 7 8-86
IDC IX 02 11 54 39.3–5.4 19.10N 145.25E 106–52 3.9,3.5b **¶621080683**
ISC Event type se.
IDC Error ellipse: s-maj=60.3km s-min=18.2km az=103.0.
ISC IX 05 01 01 01.0–.63 17.4N–.10 145.7E–.10 35 4.2b 36 16-148
IDC IX 05 01 00 55.1–.82 17.41N 145.83E 0 3.8b,3.8 **¶621086372**
NEIC IX 05 01 00 57.9–1.7 17.42N–.06 145.6E–.20 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 03 15 24 15.6–.37 20.65N–.05 144.98E–.07 129 4.6b 240 7-148
BJI IX 03 15 24 13.2 20.83N 145.07E 117 4.8b,4.5b **¶621030438**
GFZ IX 03 15 24 15.6–.20 21N–3.0 145E–4.0 128 4.7,4.7b
IDC IX 03 15 24 17.6–3.6 20.65N 144.92E 149–34 4.5,4.1b
NEIC IX 03 15 24 17.5–2.1 20.71N–.08 145.0E–.10 137–7 4.6b,4.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 04 00 42 55.3–6.6 13.46N 144.63E 0 3.6b,3.6
¶621081597
IDC Error ellipse: s-maj=271.2km s-min=24.1km az=82.0.
ISC IX 05 22 37 10.0–.58 15.39N–.08 145.3E–.10 250 4.2b 79 18-90
NEIC IX 05 22 37 08.7–.52 15.4N–.10 145.4E–.20 233–9 4.3b **¶621086424**
IDC IX 05 22 37 08.8–2.8 15.44N 145.47E 240–26 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=16.1km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.4km s-min=9.9km az=82.0.
ISC IX 08 01 33 27.6–.38 18.74N–.05 145.67E–.07 150 4.6b 142 9-148
IDC IX 08 01 33 29.1–4.0 18.67N 145.78E 170–37 4.4,3.9b **¶621041915**
NEIC IX 08 01 33 31.0–1.0 18.70N–.08 145.66E–.09 178–7 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 06 04 54 58.5–1.3 14.13N 144.86E 0 3.7b,3.7
¶621094229
IDC Error ellipse: s-maj=44.7km s-min=30.6km az=100.0.
IDC IX 07 11 24 43.4–17 19.08N 144.92E 526–191 3.9,3.0b
¶621094320
IDC Error ellipse: s-maj=160.9km s-min=21.3km az=74.0.
ISC IX 09 17 23 34.5–.69 13.78N–.06 144.95E–.09 152–6 4.3b 106 15-148
IDC IX 09 17 23 34.5–.80 13.81N 144.86E 148–7 4.3,3.9b **¶621105895**
NEIC IX 09 17 23 35.1–1.1 13.75N–.10 145.0E–.10 153–6 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 04 47 32.7–.63 14.70N–.09 146.94E–.10 33 4.3b,3.0s 40 2-146
IDC IX 11 04 47 26.9–.97 14.75N 147.25E 0 4.5L,4.1b **¶621108559**
NEIC IX 11 04 47 29.7–2.2 14.65N–.08 147.12E–.09 10–1 4.6b,4.1b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 13 45 24.2–.45 13.73N–.08 145.0E–.10 150 4.0b 63 0-148
IDC IX 10 13 45 23.9–.55 13.85N 145.00E 139–4 4.0,3.6b **¶621108522**
NEIC IX 10 13 45 24.2–.82 13.8N–.10 145.02E–.06 147–8 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 13 43 28.1–.80 19.1N–.10 145.4E–.20 214 3.6b 24 18-86
IDC IX 18 13 43 33.7–7.4 19.15N 145.76E 284–62 3.9,3.2b **¶621113564**
NEIC IX 18 13 43 37.8–1.2 19.1N–.10 145.4E–.10 311–10 3.8b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 12 21 20.0–.94 17.87N–.10 145.6E–.30 250 3.3b 9 4-84
IDC IX 12 12 21 21.2–3.1 17.88N 145.57E 264–33 3.6,3.0b **¶621109652**
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=24.8km az=77.0.
ISC IX 12 05 51 49.4–.56 18.42N–.06 146.6E–.10 64 4.2b 47 5-87
IDC IX 12 05 51 50.4–3.5 18.44N 146.50E 68–31 3.9,3.6b **¶621109636**
NEIC IX 12 05 51 50.6–.93 18.4N–.10 146.6E–.20 74–8 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 19 22 29 25.1–5.2 19.91N 145.49E 0 3.8b,3.8
¶621113651
IDC Error ellipse: s-maj=235.3km s-min=96.9km az=38.0.
ISC IX 19 04 27 17.5–.80 18.94N–.05 146.0E–.10 34–2 4.3b 65 5-147
IDC IX 19 04 27 17.9–.85 18.91N 146.04E 42–6 4.2,3.9b **¶621113606**
NEIC IX 19 04 27 18.3–1.9 18.99N–.07 146.0E–.10 32–5 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 12 49 27.0–.78 19.81N–.06 145.9E–.10 10 4.3b 40 6-86
IDC IX 21 12 49 26.1–2.7 19.80N 146.11E 0 4.1b,4.1 **¶621116033**
NEIC IX 21 12 49 27.2–1.8 19.89N–.08 145.9E–.10 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 19 12 06.5–.97 21.0N–.10 144.6E–.20 250 3.3b 13 16-87
IDC IX 21 19 12 07.0–6.9 20.99N 144.62E 254–68 3.7,3.1b **¶621116044**
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=17.0km az=78.0.
ISC IX 24 04 59 28.6–.53 17.72N–.08 145.7E–.10 200 4.1b 48 20-148
IDC IX 24 04 59 27.0–8.3 17.79N 145.66E 186–77 4.0,3.5b **¶621126409**
NEIC IX 24 04 59 32.9–1.9 17.74N–.10 145.6E–.10 234–4 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 21 36 27.7–.58 13.8N–.10 144.9E–.10 125 4.2b 30 0-135
IDC IX 22 21 36 26.9–.62 13.84N 144.93E 116–4 4.0,3.6b **¶621118178**
NEIC IX 22 21 36 27.8–.73 13.8N–.10 144.90E–.08 120–5 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 14 21 03.2–1.3 13.2N–.20 145.7E–.20 35 3.5b 7 1-89
IDC IX 23 14 20 57.9–1.2 13.15N 145.96E 0 3.6s,3.4b **¶621125860**
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=21.7km az=57.0.
ISC IX 27 17 21 14.8–.68 18.20N–.06 145.7E–.20 150 4.2b 41 5-67
NEIC IX 27 17 21 15.7–1.6 18.16N–.07 145.8E–.20 156–8 4.3b **¶621140731**
IDC IX 27 17 21 15.3–2.3 18.07N 146.04E 164–21 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=8.0km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.2km s-min=13.6km az=97.0.
IDC IX 25 13 17 09.8–1.6 14.12N 145.77E 0 3.3b,3.3
¶621131454
IDC Error ellipse: s-maj=44.4km s-min=20.3km az=131.0.
ISC IX 25 04 44 49.0–.94 18.5N–.20 146.4E–.30 64 3.8b 11 40-87
IDC IX 25 04 44 56.5–14 18.48N 146.32E 131–132 3.8,3.4b **¶621131433**
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=21.3km az=79.0.
ISC IX 29 11 33 35.6–.62 14.50N–.08 146.82E–.09 33 4.5b,3.1s 72 2-146
IDC IX 29 11 33 29.6–.76 14.57N 147.17E 0 4.4L,4.3b **¶621146371**
NEIC IX 29 11 33 36.1–1.3 14.5N–.10 146.8E–.10 30–7 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 02 16 09 03.9–.41 17.37N–.05 145.83E–.08 150 4.3b 86 4-147
IDC X 02 16 09 02.1–.69 17.40N 145.82E 140–5 4.1,3.6b **¶621186077**
NEIC X 02 16 09 02.9–2.2 17.34N–.10 145.9E–.10 128–7 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 30 02 08 13.4–.40 18.40N–.05 145.99E–.10 145 4.5b 103 5-147
IDC IX 30 02 08 11.8–2.2 18.42N 145.93E 132–21 4.1,3.7b **¶621113127**
NEIC IX 30 02 08 12.1–1.2 18.45N–.06 145.9E–.10 120–6 4.7b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 13 08 20.6–.60 13.97N–.09 144.7E–.20 200 3.7b 32 0-87
IDC X 01 13 08 19.8–.41 13.98N 144.77E 195–3 3.9,3.4b **¶621147828**
NEIC X 01 13 08 20.9–.75 13.98N–.09 144.5E–.20 192–7 3.9b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 08 01 19 53.8–1.4 18.73N 145.64E 0 3.6b,3.6
¶621224615
IDC Error ellipse: s-maj=58.2km s-min=29.9km az=100.0.
ISC X 03 17 38 14.4–.80 17.2N–.10 145.8E–.20 150 4.1b 24 16-75
IDC X 03 17 37 56.7–1.3 17.32N 145.98E 0 3.3b,3.3 **¶621186140**
NEIC X 03 17 38 12.9–.85 17.2N–.10 145.8E–.10 130–9 4.2b,3.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 02 23 56 34.3–.56 17.11N–.07 145.5E–.10 350 4.1b 65 4-88
IDC X 02 23 56 32.8–1.1 17.19N 145.67E 334–12 4.2,3.5b **¶621186096**
NEIC X 02 23 56 34.0–1.1 17.19N–.10 145.6E–.20 339–9 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 08 22 13 08.1–1.1 13.16N 144.63E 146–30 3.8,3.4b
¶621224679
IDC Error ellipse: s-maj=156.3km s-min=21.3km az=82.0.
IDC X 08 00 41 55.9–2.1 18.84N 145.89E 0 3.8b,3.8
¶621224614
IDC Error ellipse: s-maj=187.9km s-min=29.2km az=115.0.
ISC X 14 03 55 14.6–.66 18.74N–.10 145.6E–.20 400 4.1b 44 21-89
IDC X 14 03 55 13.5–16 18.75N 145.70E 393–191 4.0,3.2b **¶621240618**
NEIC X 14 03 55 15.6–.80 18.8N–.10 145.6E–.20 404–10 4.3b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 10 09 35 57.7–.94 13.0N–.10 145.7E–.10 43 4.0b 10 1-92
IDC X 10 09 35 51.4–.86 13.01N 145.97E 0 3.9b,3.9 **¶621235373**
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=18.8km az=66.0.
IDC X 10 19 29 13.6–2.4 18.96N 146.08E 0 3.9b,3.9
¶621235403
IDC Error ellipse: s-maj=104.9km s-min=21.7km az=84.0.
ISC X 15 09 31 25.2–1.0 19.0N–.10 145.2E–.30 300 3.5b 8 18-86
IDC X 15 09 31 25.8–6.5 19.03N 145.22E 306–67 3.7,3.1b **¶621242053**
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=17.2km az=92.0.
ISC X 14 11 51 37.1–.99 14.1N–.10 146.9E–.10 35 4.2b 14 2-92
IDC X 14 11 51 31.5–.93 14.12N 147.16E 0 4.3L,4.0b **¶621240637**
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=16.8km az=132.0.
ISC X 26 05 15 55.0–.61 15.83N–.09 145.9E–.10 150 4.1b 57 2-147
IDC X 26 05 15 53.0–2.2 15.96N 145.97E 125–22 4.0,3.6b **¶621366457**
NEIC X 26 05 15 55.8–.70 15.9N–.10 145.93E–.09 154–8 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 12 38 23.1–.67 13.8N–.10 145.1E–.10 125 3.9b 28 0-83
IDC X 16 12 38 22.8–.95 13.79N 145.08E 119–5 3.4,3.1b **¶621242121**
NEIC X 16 12 38 23.5–1.6 13.86N–.04 145.1E–.10 123–6 4.0b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 19 57 09.7–.88 17.30N–.09 145.4E–.20 200 4.0b 20 4-63
IDC X 16 19 57 06.2–9.1 17.66N 145.06E 194–48 3.7,3.2b **¶621242138**
NEIC X 16 19 57 12.3–2.0 17.1N–.10 145.4E–.20 219–10 4.2b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 20 07 12.0–1.1 14.2N–.10 146.7E–.10 35 3.9b 23 2-91
IDC X 16 20 07 05.9–1.1 14.19N 147.03E 0 3.8L,3.8b **¶621242141**
NEIC X 16 20 07 08.2–1.1 14.2N–.10 146.9E–.10 10–2 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 22 17 52 45.8–.74 17.81N–.07 145.51E–.10 322–7 4.2b 176 4-142
IDC X 22 17 52 44.9–1.2 17.93N 145.52E 308–13 4.4,3.7b **¶621237620**
NEIC X 22 17 52 46.0–1.8 17.9N–.10 145.5E–.10 312–7 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 08 28 40.6–.67 18.59N–.07 147.0E–.10 52 4.3b,3.2s 39 5-87
IDC X 23 08 28 33.9–.92 18.78N 147.15E 0 4.1b,4.1 **¶621309362**
NEIC X 23 08 28 39.4–1.3 18.5N–.10 146.9E–.20 35–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 25 15 32 17.7–1.4 19.32N–.06 144.65E–.08 13–8 4.9b,3.6s 191 6-149
BJI X 25 15 32 14.3 19.38N 144.88E 10 4.9b,4.5b **¶621239129**
IDC X 25 15 32 15.2–.59 19.28N 144.60E 0 4.3b,4.3
NEIC X 25 15 32 18.0–1.6 19.35N–.09 144.6E–.10 10–1 5.1b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 25 15 46 42.0–.59 19.26N–.08 144.5E–.10 10 4.6b,3.1s 50 8-81
IDC X 25 15 46 39.8–.94 19.30N 144.73E 0 3.9b,3.9 **¶621366438**
NEIC X 25 15 46 42.8–1.1 19.30N–.10 144.4E–.10 10–1 4.7b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 25 12 56 49.6–1.4 19.42N 144.78E 0 3.6b,3.6
¶621366432
IDC Error ellipse: s-maj=56.1km s-min=25.7km az=92.0.
IDC X 29 04 00 01.2–1.3 14.63N 146.93E 0 3.7b,3.7
¶621391416
IDC Error ellipse: s-maj=53.4km s-min=24.1km az=97.0.
ISC X 26 12 57 07.5–.65 13.75N–.07 144.9E–.10 122–6 4.1b 63 0-91
NEIC X 26 12 57 07.9–.92 13.76N–.09 144.9E–.10 121–4 4.1b **¶621366474**
IDC X 26 12 57 07.3–.50 13.75N 144.93E 117–3 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=12.6km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.7km s-min=13.0km az=83.0.
ISC XI 02 05 18 23.1–.50 13.10N–.07 144.7E–.10 54 4.5b,3.6s 93 1-151
NEIC XI 02 05 18 22.5–2.0 13.03N–.05 144.8E–.10 44–5 4.5b,3.6s **¶621255766**
IDC XI 02 05 18 22.5–.96 13.15N 144.67E 48–8 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=7.9km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.7km s-min=14.4km az=93.0.
IDC X 31 11 54 52.7–10 19.46N 145.86E 0 3.3b,3.3
¶621395244
IDC Error ellipse: s-maj=362.8km s-min=35.6km az=77.0.
ISC X 30 17 12 51.4–.63 18.47N–.06 145.4E–.20 300 3.9b 56 5-87
NEIC X 30 17 12 50.9–1.3 18.60N–.05 145.4E–.20 278–8 4.1b **¶621395187**
IDC X 30 17 12 50.1–2.3 18.68N 145.74E 286–24 3.9,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=4.0km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.4km s-min=12.4km az=85.0.
ISC XI 03 04 46 01.9–.99 14.67N–.10 145.8E–.20 96 4.1b 21 1-76
NEIC XI 03 04 46 00.3–1.5 14.7N–.10 145.9E–.20 80–10 4.2b **¶621412216**
IDC XI 03 04 46 03.0–2.7 14.63N 145.78E 100–24 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=14.2km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.6km s-min=31.0km az=92.0.
ISC XI 02 08 34 48.2–.34 14.69N–.04 145.59E–.06 108–2 4.9b 344 1-149
IDC XI 02 08 34 47.9–.53 14.68N 145.62E 104–4 4.7,4.3b **¶621252462**
NEIC XI 02 08 34 48.1–1.8 14.69N–.08 145.61E–.10 102–4 5.0b,4.3b
GCMT XI 02 08 34 51.4–.30 14.64N–.03 145.56E–.03 129–5 4.8W,4.3b
BJI XI 02 08 34 52.7 14.86N 145.80E 168 4.9b,4.7b
GFZ XI 02 08 34 53.4–.45 14N–5.0 146E–3.0 161–4 7.4,7.1
DJA XI 02 08 34 54.9–1.6 15N–4.0 145E–6.0 164–15 5.7b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111020834A. Moment Tensor Solution. s9,c12; s99,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.00±.10 $M_{\theta\theta}$0.27±.13; $M_{\phi\phi}$0.73±.15; $M_{r\theta}$-0.43±.07; $M_{\theta\phi}$-0.25±.14; $M_{\phi r}$-1.73±.09; Best double couple: NP1:ϕ_s150.00000°,δ16.00000°,λ-127.00000°. NP2:ϕ_s9.00000°,δ77.00000°,λ-80.00000°. Principal axes: T 1.8020,Plg32.0000°,Azm91.0000°; N 0.3680,Plg10.0000°,Azm187.0000°; P -2.1700,Plg57.0000°,Azm291.0000° $M_0$1.98600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 03 23 19 57.2–.70 14.10N–.09 144.7E–.20 200 3.9b 31 1-70
IDC XI 03 23 19 55.9–.78 14.13N 144.92E 204–6 3.9,3.4b **¶621412264**
NEIC XI 03 23 19 58.3–2.0 14.0N–.10 144.8E–.20 198–6 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 12 07 11 47.4–.72 18.76N–.09 145.3E–.20 550 3.9b 61 5-142
NEIC XI 12 07 11 47.3–1.6 18.8N–.10 145.3E–.20 537–12 4.1b **¶621460200**
IDC XI 12 07 11 48.1–2.2 18.84N 145.35E 558–24 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=16.1km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=24.9km s-min=10.7km az=84.0.
ISC XI 04 12 37 55.5–.73 19.39N–.07 145.4E–.20 147 3.9b 28 6-86
IDC XI 04 12 37 55.9–3.0 19.36N 145.50E 155–30 3.9,3.5b **¶621412298**
NEIC XI 04 12 37 57.8–.87 19.3N–.10 145.4E–.20 167–8 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 08 01 22 05.3–.55 13.88N–.09 145.4E–.10 100 4.2b 47 1-91
IDC XI 08 01 22 05.8–.89 13.83N 145.23E 109–6 3.9,3.5b **¶621423066**
NEIC XI 08 01 22 06.8–.95 13.9N–.10 145.2E–.20 115–5 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 04 10 28 37.1–.59 18.58N–.06 145.5E–.10 200 4.2b 63 5-87
IDC XI 04 10 28 33.6–2.3 18.74N 145.63E 164–23 4.0,3.7s **¶621412291**
NEIC XI 04 10 28 36.4–1.7 18.66N–.06 145.6E–.10 182–6 4.4b,3.7s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 13 02 57.2–1.3 15.54N–.10 145.4E–.30 35 3.5b 8 2-67
IDC XI 09 13 02 59.0–3.9 15.47N 145.39E 53–36 3.5,3.3b **¶621423157**
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=23.1km az=91.0.
ISC XI 04 15 46 20.4–.36 19.00N–.05 145.06E–.07 550 4.3b 188 5-148
NEIC XI 04 15 46 19.7–1.7 19.05N–.09 145.1E–.10 532–7 4.4b **¶621309478**
IDC XI 04 15 46 20.5–1.1 18.99N 145.13E 547–13 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=12.2km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.0km s-min=8.1km az=88.0.
ISC XI 04 15 52 16.1–.42 18.99N–.06 145.08E–.08 550 4.4b 148 5-148
IDC XI 04 15 52 16.1–1.2 19.04N 145.22E 550–14 4.5,3.6b **¶621412306**
NEIC XI 04 15 52 17.5–1.3 19.03N–.06 145.1E–.10 562–9 4.5b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 04 16 16 53.3–.63 18.93N–.08 145.0E–.10 550 4.1b 31 17-73
IDC XI 04 16 16 52.6–5.8 19.00N 145.26E 550–84 4.1,3.1b **¶621412307**
NEIC XI 04 16 16 56.2–1.1 18.98N–.05 145.0E–.10 589–12 4.3b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 03 44 57.8–.93 14.47N–.09 144.9E–.20 100 4.1b 18 1-90
IDC XI 13 03 44 56.4–2.1 14.38N 145.51E 90–16 3.6,3.3b **¶621468581**
NEIC XI 13 03 44 58.4–.43 14.42N–.10 144.8E–.10 109–11 4.2b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 12 13 07 10.0–.51 13.32N–.08 144.29E–.10 150 3.8b 38 1-88
NEIC XI 12 13 07 09.8–.76 13.26N–.10 144.2E–.10 138–7 4.3b **¶621460208**
IDC XI 12 13 07 09.6–.46 13.31N 144.38E 142–6 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=14.4km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.8km s-min=12.2km az=86.0.
ISC XI 19 17 37 22.4–2.7 18.6N–.20 146.3E–.80 64 3.4b 7 19-87
IDC XI 19 17 37 13.2–2.5 18.64N 146.60E 0 3.7b,3.7 **¶621590305**
ISC Event type se.
IDC Error ellipse: s-maj=110.2km s-min=24.2km az=85.0.
ISC XI 18 08 00 41.3–.43 19.40N–.06 145.6E–.10 147 4.4b 84 6-148
NEIC XI 18 08 00 42.5–.93 19.41N–.09 145.5E–.10 154–8 4.5b **¶621414657**
IDC XI 18 08 00 42.4–2.3 19.38N 145.49E 160–23 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=13.0km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.2km s-min=11.1km az=81.0.
IDC XI 21 04 09 01.5–1.4 13.81N 145.19E 106–10 3.4,3.1b ¶621608892
IDC Error ellipse: s-maj=56.6km s-min=29.0km az=104.0.
ISC XI 21 18 27 44.5–.37 18.41N–.05 145.68E–.08 200 4.1b 103 5-148
IDC XI 21 18 27 42.9–.68 18.42N 145.75E 184–6 4.2,3.7b **¶621608926**
NEIC XI 21 18 27 44.6–2.4 18.42N–.07 145.7E–.10 185–3 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 22 15 12 05.4–.32 17.34N–.03 145.75E–.05 210–2 4.8b 512 4-150
BJI XI 22 15 12 03.6 17.45N 146.18E 220 4.9b,4.5b **¶621440148**
IDC XI 22 15 12 04.5–.46 17.36N 145.72E 204–4 4.7,4.2b
NEIC XI 22 15 12 05.9–1.4 17.37N–.07 145.76E–.10 207–5 4.8b,4.2b
GFZ XI 22 15 12 06.3–.18 17N–3.0 146E–4.0 214 5.2b,4.8b
DJA XI 22 15 12 36.7–1.2 17N–12 146E–11 522–7 5.2b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 24 11 07 38.7–.69 19.27N–.09 144.8E–.10 35 4.2b 28 14-83
IDC XI 24 11 07 32.7–1.4 19.26N 145.00E 0 3.9b,3.9 **¶621613974**
NEIC XI 24 11 07 36.6–2.2 19.3N–.10 144.8E–.20 10–1 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 14 19 32.1–.51 18.81N–.07 145.6E–.10 300 3.7b 36 5-87
NEIC XI 25 14 19 31.9–1.1 18.89N–.04 145.7E–.10 290–8 4.2b **¶621618710**
IDC XI 25 14 19 32.5–6.2 18.86N 145.41E 294–63 3.8,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=5.7km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.6km s-min=15.1km az=84.0.
ISC XII 02 10 22 00.6–.54 13.80N–.08 145.53E–.08 50 4.6b,3.4s 84 1-147
IDC XII 02 10 22 00.5–1.6 13.73N 145.55E 52–12 4.2,3.9b **¶621629884**
NEIC XII 02 10 22 02.5–1.1 13.8N–.10 145.47E–.05 58–5 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 06 18 55 17.3–.61 16.52N–.09 145.8E–.20 500 3.6b 50 3-89
IDC XII 06 18 55 17.8–1.0 16.41N 145.83E 512–10 3.9,3.0b **¶621632614**
NEIC XII 06 18 55 19.0–1.5 16.5N–.10 145.8E–.20 520–8 3.9b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 06 18 55 29.8–.70 16.4N–.10 145.8E–.10 500 3.9b 44 3-146
IDC XII 06 18 55 31.3–1.8 16.38N 145.89E 527–22 3.6,2.7b **¶621632617**
NEIC XII 06 18 55 32.4–1.2 16.4N–.10 145.9E–.20 532–9 4.0b,2.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 09 17 05 38.2–.46 18.51N–.04 145.72E–.07 214–4 4.6b 365 5-148
IDC XII 09 17 05 37.6–.47 18.52N 145.71E 210–4 4.6,4.1b **¶621625227**
GFZ XII 09 17 05 39.2–.60 19N–2.0 146E–4.0 224–6 5.0b,5.0
NEIC XII 09 17 05 39.0–2.5 18.52N–.07 145.7E–.10 214–6 4.5b,5.0
DJA XII 09 17 05 45.6–.90 18N–5.0 146E–6.0 291–8 5.5b,5.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 12 06 10 25.8–.61 17.34N–.09 145.7E–.20 150 4.1b 44 4-89
IDC XII 12 06 10 26.6–7.5 17.37N 145.84E 161–69 3.9,3.4b **¶621650471**
NEIC XII 12 06 10 27.4–.86 17.25N–.08 145.8E–.20 163–10 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 11 00 53 21.4–.31 18.74N–.04 145.85E–.07 145 4.8b 257 5-148
NEIC XII 11 00 53 19.8–1.8 18.73N–.08 145.8E–.10 126–6 4.8b **¶621627329**
GFZ XII 11 00 53 20.5–.89 19N–3.0 146E–6.0 130–8 5.9b,5.5
DJA XII 11 00 53 20.1–1.1 19N–6.0 146E–7.0 129–10 5.6b,5.4
IDC XII 11 00 53 21.6–1.6 18.73N 145.63E 147–14 4.6,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.7km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=15.4km s-min=8.3km az=86.0.
ISC XII 15 20 57 07.8–5.4 18.6N–.20 145E–1.0 300 3.0b 7 40-66
IDC XII 15 20 57 10.8–23 18.51N 144.61E 304–238 3.6,2.9b **¶621654140**
ISC Event type se.
IDC Error ellipse: s-maj=145.9km s-min=25.4km az=79.0.
ISC XII 12 19 34 58.1–1.2 14.7N–.20 144.0E–.30 10 4.0b 7 1-90
IDC XII 12 19 34 57.2–1.2 14.77N 144.13E 0 3.8b,3.8 **¶621650536**
ISC Event type se.
IDC Error ellipse: s-maj=53.4km s-min=25.7km az=54.0.
ISC XII 12 12 10 08.0–.54 13.98N–.09 145.49E–.10 100 3.9b 41 1-91
IDC XII 12 12 10 09.2–.92 13.97N 145.28E 112–7 3.7,3.3b **¶621650506**
NEIC XII 12 12 10 09.8–.92 13.95N–.10 145.42E–.09 116–8 4.0b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 05 55 54.3–.45 15.80N–.06 146.04E–.08 109 4.4b 92 2-147
IDC XII 14 05 55 54.0–1.9 15.76N 146.11E 109–18 4.4,4.0b **¶621652886**
NEIC XII 14 05 55 55.7–1.1 15.77N–.10 146.0E–.10 119–8 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 06 45 22.9–1.4 18.5N–.20 146.7E–.40 64 4.0b 6 33-87
IDC XII 14 06 45 14.4–1.6 18.56N 146.71E 0 4.0b,4.0 **¶621652891**
ISC Event type se.
IDC Error ellipse: s-maj=68.8km s-min=31.2km az=93.0.
ISC XII 15 04 01 42.5–.99 20.6N–.10 144.9E–.20 100 4.3b 27 15-85
NEIC XII 15 04 01 43.8–1.7 20.7N–.10 144.9E–.20 107–8 4.5b **¶621654077**
IDC XII 15 04 02 03.3–7.4 21.43N 144.77E 253–73 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=17.9km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.8km s-min=14.5km az=84.0.
ISC XII 17 05 05 04.9–.58 13.7N–.10 144.7E–.10 150 4.1b 38 0-148
IDC XII 17 05 05 04.3–.39 13.77N 144.59E 139–4 4.0,3.6b **¶621656913**
NEIC XII 17 05 05 05.2–1.4 13.7N–.10 144.7E–.10 145–6 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 17 47 17.2–.56 18.28N–.05 146.6E–.10 64 4.3b 56 5-88
IDC XII 20 17 47 16.5–3.7 18.30N 146.56E 52–34 4.0,3.8L **¶621685630**
NEIC XII 20 17 47 16.2–1.1 18.35N–.07 146.7E–.10 51–8 4.5b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 21 47 53.7–.67 18.88N–.07 145.7E–.20 214 3.6b 20 5-83
NEIC XII 18 21 47 52.7–.91 19.0N–.10 145.7E–.20 190–11 3.9b **¶621657037**
IDC XII 18 21 48 01.1–11 19.05N 145.34E 279–121 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=6.4km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=75.2km s-min=14.3km az=96.0.
IDC XII 22 16 55 40.8–.80 13.89N 144.40E 115–27 3.5,3.1b ¶621686780
IDC Error ellipse: s-maj=87.3km s-min=32.7km az=81.0.
ISC XII 24 12 13 27.4–.47 18.47N–.05 146.7E–.10 64 4.3b 71 5-97
NEIC XII 24 12 13 25.2–1.0 18.44N–.03 146.7E–.10 42–8 4.4b **¶621700083**
IDC XII 24 12 13 31.5–2.5 18.42N 146.64E 99–22 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=2.2km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.9km s-min=11.1km az=87.0.
ISC XII 26 17 55 06.1–1.2 14.3N–.20 145.5E–.30 50 4.2b 25 1-91
IDC XII 26 17 55 00.7–1.4 14.64N 145.53E 0 3.8b,3.8 **¶621700237**
NEIC XII 26 17 55 07.9–1.4 14.1N–.20 145.5E–.20 66–11 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SEISMIC REGION 19.
Japan-Kurils-Kamchatka.

(217) Kamchatka Peninsula.

ISC VII 02 09 06 59.7–.97 55.32N–.02 160.47E–.03 6–7 3.6b 66 0-82
IDC VII 02 09 06 58.9–.78 55.27N 160.50E 0 3.6b,3.6 **¶620733289**
KRSC VII 02 09 06 58.4–.72 55.32N 160.50E 2–4 3.6L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=14.1km az=135.0.
KRSC Event type se.
ISC VIII 16 03 39 06.6–.63 54.30N–.06 158.01E–.07 275–6 3.9b 92 1-145
IDC VIII 16 03 39 05.9–.84 54.50N 157.64E 270–17 3.9,3.2b **¶620990440**
NEIC VIII 16 03 39 06.5–1.2 54.6N–.10 157.6E–.20 266–8 4.0b,3.2b
KRSC VIII 16 03 39 06.0–1.2 54.23N 158.28E 284–10 3.9L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=19.3km az=178.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=10.6km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
ISC VII 14 23 05 47.1–.35 51.81N–.04 156.19E–.03 218–2 4.5b 675 1-159
BGR VII 14 23 05 25.2 51.84N 157.92E 33 4.5b **¶620829337**
MOS VII 14 23 05 46.6–.84 51.90N 156.05E 213 4.6b
NEIC VII 14 23 05 47.8–1.3 51.93N–.08 156.1E–.10 220–6 4.5b
KRSC VII 14 23 05 47.0–1.2 51.72N 156.45E 216–9 4.6L
GFZ VII 14 23 05 48.5–.47 52N–5.0 156E–4.0 215–5 4.6b,4.5
IDC VII 14 23 05 48.3–.47 52.03N 156.01E 220–3 4.6,4.0b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=6.3km s-min=4.0km az=80.5.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.2km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=8.9km s-min=6.1km az=150.0.
KRSC VIII 20 01 20 44.4–1.5 52.19N 156.31E 290–15 3.9L ¶620999287
KRSC Event type se.
KRSC VIII 28 06 24 49.5–1.6 51.22N 156.62E 277–11 3.6L ¶621009918
KRSC Event type se.

KRSC VIII 21 20 18 07.0–1.8 53.28N 157.25E 273–16 3.7L
¶620999424
KRSC Event type se.
ISC IX 26 11 53 01.5–.55 57.13N–.02 160.56E–.03 10 3.7b,3.1s 136 1-84
IDC IX 26 11 53 00.4–1.2 57.08N 160.69E 0 3.7b,3.6 **¶621110611**
MOS IX 26 11 53 00.0–.64 57.17N 160.58E 8 3.8b,3.6
KRSC IX 26 11 53 00.2–1.3 57.15N 160.53E 7–14 4.2L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=16.4km az=100.0.
MOS Error ellipse: s-maj=12.2km s-min=3.3km az=89.4.
KRSC Event type se.
KRSC IX 10 03 35 14.6–1.5 53.27N 157.45E 266–12 4.0L
¶621069771
KRSC Event type se.
ISC X 09 09 59 04.1–.90 53.66N–.08 155.9E–.10 400 3.1b 32 1-73
IDC X 09 09 59 03.8–1.2 53.88N 155.41E 378–13 3.5,2.7b **¶621235319**
KRSC X 09 09 59 04.5–1.5 53.71N 155.99E 374–18 4.0L,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=18.7km az=132.0.
KRSC Event type se.
ISC X 29 10 29 09.0–1.5 55.63N–.04 160.95E–.05 155–8 62 0-69
IDC X 29 10 28 59.2–1.6 54.80N 163.43E 0 3.3b,3.2 **¶621244400**
KRSC X 29 10 29 07.9–.72 55.62N 160.95E 156–6 3.7L,3.2
ISC Event type se.
IDC Error ellipse: s-maj=125.0km s-min=22.0km az=152.0.
KRSC Event type se.
IDC X 25 12 38 55.5–362 51.09N 156.48E 0
¶621366430
IDC Error ellipse: s-maj=153.4km s-min=48.1km az=22.0.
ISC XI 12 02 09 40.7–1.2 53.1N–.10 157.7E–.20 300 3.2b 31 0-79
IDC XI 12 02 09 27.7–6.3 54.34N 161.61E 263–107 3.5,2.9b **¶621460193**
KRSC XI 12 02 09 40.4–1.9 53.20N 157.25E 277–18 3.9L,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=502.1km s-min=26.5km az=132.0.
KRSC Event type se.
ISC XI 06 12 01 01.4–.58 55.13N–.03 160.98E–.04 119–5 3.5b 101 0-145
KRSC XI 06 12 01 00.5–.74 55.11N 161.04E 117–10 4.0L **¶621370941**
IDC XI 06 12 01 01.7–.73 55.31N 160.65E 121–7 3.7,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=9.0km az=139.0.
ISC XI 23 16 12 36.2–.40 52.19N–.03 157.50E–.04 144–3 4.7b 458 0-146
BJI XI 23 16 12 32.8 52.24N 157.80E 154 5.2b,4.5b **¶621449562**
KRSC XI 23 16 12 34.0–1.5 52.12N 157.64E 150–11 4.6L,4.5b
MOS XI 23 16 12 35.0–.86 52.20N 157.38E 148 4.7b,4.5b
GFZ XI 23 16 12 36.4–.46 52N–4.0 157E–3.0 140–4 5.7b,5.2
IDC XI 23 16 12 37.0–.53 52.37N 157.26E 147–3 4.4,3.9b
NEIC XI 23 16 12 37.3–1.0 52.39N–.09 157.2E–.10 147–5 4.8b,3.9b
ISC Event type se.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 16 04 51 59.6–.86 58.47N–.03 157.70E–.03 10 44 1-10
KRSC XI 16 04 51 53.7–4.1 58.62N 157.28E 6–43 4.2L **¶621413665**
NERS XI 16 04 51 57.7 58.61N 157.33E 0 4.2L
ISC Event type se.
KRSC Event type se.
NERS Event type se.
ISC XII 25 16 56 40.5–.82 53.60N–.08 155.8E–.10 400 3.2b 41 1-79
KRSC XII 25 16 56 39.9–1.3 53.65N 155.85E 391–16 3.9L **¶621653485**
IDC XII 25 16 56 39.9–1.1 53.68N 155.29E 387–13 3.7,2.9b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=14.3km az=124.0.

(218) Near east coast of Kamchatka Peninsula.

ISC VII 02 12 59 04.6–1.0 56.16N–.05 161.09E–.07 122–6 3.3b 49 0-83
IDC VII 02 12 59 03.9–4.8 55.22N 162.92E 99–56 3.3,3.1b **¶620733290**
KRSC VII 02 12 59 03.1–.72 56.14N 161.13E 126–6 3.7L,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=183.5km s-min=25.2km az=133.0.
KRSC Event type se.
ISC VII 06 00 17 03.5–.87 55.58N–.03 162.00E–.04 68–8 3.6b 60 1-69
IDC VII 06 00 16 56.6–.98 55.94N 161.62E 0 3.6b,3.6 **¶620734440**
KRSC VII 06 00 17 01.5–.54 55.55N 162.04E 71–12 4.0L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=15.2km az=129.0.
KRSC Event type se.
ISC VII 08 12 46 14.2–.86 53.21N–.05 159.05E–.06 118–5 3.6b 47 0-143
KRSC VII 08 12 46 13.6–.58 53.21N 159.11E 114–4 3.9L **¶620784558**
IDC VII 08 12 46 14.5–1.1 53.32N 158.67E 122–7 3.9,3.5b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=19.8km az=89.0.
IDC VII 12 11 50 08.3–6.2 53.99N 159.39E 0
¶620928489
IDC Error ellipse: s-maj=48.7km s-min=31.2km az=49.0.
IDC VII 19 15 51 50.2–14 53.89N 159.13E 0
¶620928878
IDC Error ellipse: s-maj=110.5km s-min=24.6km az=48.0.
ISC VII 21 02 12 45.1–1.1 53.32N–.05 160.98E–.05 52–10 3.7b 58 1-71
KRSC VII 21 02 12 43.1–.98 53.30N 161.05E 51–17 4.2L **¶620844696**
IDC VII 21 02 12 49.9–2.3 53.63N 160.53E 84–35 3.7,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=64.3km s-min=19.5km az=178.0.
ISC VII 22 16 02 51.4–.60 53.82N–.05 158.81E–.06 168–5 4.0b 130 0-145
KRSC VII 22 16 02 49.8–.94 53.77N 158.99E 176–8 3.9L **¶620845127**
NEIC VII 22 16 02 51.0–1.3 54.0N–.10 158.5E–.20 163–7 4.1b
MOS VII 22 16 02 50.0–.91 53.95N 158.58E 169 4.1b
IDC VII 22 16 02 51.3–.98 54.01N 158.44E 164–10 3.9,3.4b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=13.5km az=165.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=23.0km s-min=14.1km az=80.8.
IDC Error ellipse: s-maj=17.6km s-min=14.1km az=152.0.
KRSC VII 24 18 01 56.0–1.7 51.01N 157.29E 149–14 3.8L
¶620845811
KRSC Event type se.
ISC VII 22 11 44 04.9–.60 55.42N–.03 162.39E–.03 42–5 4.4b,3.6s 239 1-145
IDC VII 22 11 43 59.3–.48 55.51N 162.07E 0 4.1,4.0b **¶620845120**
KRSC VII 22 11 44 02.9–.74 55.36N 162.49E 36–17 4.8L,4.7
MOS VII 22 11 44 04.7–.94 55.45N 162.36E 51 4.5b,3.3s
NEIC VII 22 11 44 06.8–1.4 55.5N–.10 162.1E–.10 57–7 4.5b,3.3s
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 23 10 53 46.4–.84 53.74N–.04 160.27E–.05 101–6 3.4b 59 1-80
KRSC VII 23 10 53 45.3–.64 53.74N 160.34E 99–7 4.0L **¶620845660**
IDC VII 23 10 53 49.2–2.2 53.86N 159.61E 121–16 3.6,3.2b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=26.7km az=88.0.
ISC VII 26 16 11 22.9–.29 53.03N–.03 158.82E–.03 142–2 4.9b 644 0-161
BJI VII 26 16 11 19.6 53.11N 159.02E 148 4.8b,4.4b **¶620846782**
BGR VII 26 16 11 19.8 53.84N 156.75E 33 4.8b,4.4b
KRSC VII 26 16 11 21.8–.80 52.96N 159.05E 136–6 5.3L,4.4b
MOS VII 26 16 11 22.2–.92 53.05N 158.68E 147 4.7b,4.4b
GFZ VII 26 16 11 23.5–.39 53N–4.0 159E–3.0 133–4 4.9b,4.9
NEIC VII 26 16 11 23.2–1.4 53.1N–.10 158.6E–.10 139–4 5.0b,4.9
IDC VII 26 16 11 23.5–.39 53.17N 158.57E 140–2 4.6,4.2b
ISC Event type ke.
BGR Event type ke.
KRSC Event type se. Felt [III] at HMS Semyachik; [II-III] at Petropavlovsk; [II] at kordon Kronoki.
MOS Event type fe. Error ellipse: s-maj=7.8km s-min=3.4km az=79.9. Felt(II-III) at Petropavlovsk-Kamchatskiy. 2-3. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=11.1km az=168.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.3km s-min=7.5km az=143.0.
ISC VIII 03 23 38 24.5–.40 53.25N–.04 160.07E–.04 36–1 4.1b 187 0-143
KRSC VIII 03 23 38 24.6–1.1 53.11N 160.16E 57–9 4.6L **¶620966407**
MOS VIII 03 23 38 26.0–.98 53.14N 159.98E 69 4.3b
NEIC VIII 03 23 38 27.1–1.9 53.3N–.10 159.9E–.10 61–7 4.2b
IDC VIII 03 23 38 30.1–1.2 53.36N 159.68E 86–10 4.0,3.6b
ISC Event type se.
KRSC Event type se. Felt [III-IV] at cape Shipunskiy.
MOS Error ellipse: s-maj=7.4km s-min=4.3km az=78.2.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=8.4km az=165.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.9km s-min=11.3km az=157.0.
ISC VII 27 12 42 56.7–.49 51.94N–.04 157.76E–.04 132–3 4.0b 221 0-78
KRSC VII 27 12 42 54.0–2.1 51.92N 157.70E 138–15 4.0L **¶620856918**
MOS VII 27 12 42 55.5–.72 51.97N 157.66E 134 4.1b
NEIC VII 27 12 42 57.3–1.5 52.1N–.10 157.5E–.20 133–4 4.1b
IDC VII 27 12 42 57.7–.88 52.18N 157.31E 137–7 4.1,3.6b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=14.8km s-min=4.4km az=75.1.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.1km az=143.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=12.6km az=140.0.
ISC VIII 05 13 41 03.4–1.2 52.00N–.03 158.88E–.04 24–9 3.9b 135 0-145
IDC VIII 05 13 41 00.1–.75 51.93N 158.84E 0 3.8b,3.8 **¶620970293**
KRSC VIII 05 13 41 01.0–1.1 51.93N 159.05E 24–13 4.6L,3.8
MOS VIII 05 13 41 03.7–.97 52.00N 158.72E 44 4.3b,3.8
NEIC VIII 05 13 41 09.7–1.1 52.5N–.10 159.0E–.20 46–11 4.2b,3.8
ISC Event type se.
KRSC Event type se. Felt at Viluchinsk.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 04 10 35 25.4–.77 53.85N–.03 160.23E–.04 59–8 124 0-68
KRSC VIII 04 10 35 21.5–.56 53.83N 160.27E 86–7 3.9L **¶620968071**
MOS VIII 04 10 35 23.3–.61 53.85N 160.21E 56 4.4b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=10.4km s-min=3.9km az=74.2.
IDC VIII 06 18 19 03.5–6.3 53.98N 159.41E 0
¶620998917
IDC Error ellipse: s-maj=49.7km s-min=30.5km az=49.0.
ISC VIII 06 01 57 16.9–.89 53.31N–.04 160.55E–.04 43–8 4.0b 182 0-85
KRSC VIII 06 01 57 15.2–.76 53.30N 160.62E 50–9 4.5L **¶620970712**
MOS VIII 06 01 57 16.8–.95 53.31N 160.47E 65 4.4b
NEIC VIII 06 01 57 19.3–1.3 53.5N–.10 160.3E–.10 59–8 4.0b
IDC VIII 06 01 57 20.8–1.7 53.52N 160.26E 73–17 3.9,3.6b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=4.3km az=81.3.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=10.1km az=156.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=13.8km az=171.0.
ISC VIII 07 19 29 24.5–.52 54.46N–.03 160.86E–.04 85–4 4.0b 237 1-144
KRSC VIII 07 19 29 23.7–.54 54.40N 161.02E 72–15 4.7L **¶620976246**
MOS VIII 07 19 29 24.5–1.1 54.48N 160.78E 107 4.2b
NEIC VIII 07 19 29 25.8–2.2 54.52N–.09 160.6E–.20 90–8 4.3b
IDC VIII 07 19 29 25.1–.64 54.54N 160.51E 87–5 3.9,3.5b
ISC Event type se.
KRSC Event type se. Felt [III-IV] at kordon Kronoki, kordon Aerodrom, kordon Valley of Geysers.
MOS Error ellipse: s-maj=9.0km s-min=3.8km az=78.7.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=10.0km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.6km s-min=8.2km az=140.0.
ISC VIII 13 19 10 18.9–.68 51.99N–.03 158.65E–.04 57–6 4.0b 173 0-145
KRSC VIII 13 19 10 17.7–.89 51.99N 158.67E 63–9 4.5L **¶620986454**
MOS VIII 13 19 10 18.5–1.2 51.99N 158.52E 67 4.2b
NEIC VIII 13 19 10 19.9–1.2 52.07N–.07 158.5E–.10 67–8 4.2b
IDC VIII 13 19 10 21.1–1.6 52.06N 158.52E 78–14 4.0,3.5b
ISC Event type se.
KRSC Event type se. Felt [III] at lighthouse Krugliy.
MOS Error ellipse: s-maj=12.2km s-min=3.7km az=82.8.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.9km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.3km s-min=16.9km az=140.0.
ISC VIII 24 17 56 52.8–.89 56.17N–.05 161.51E–.04 86–6 3.3b 48 0-83
IDC VIII 24 17 56 45.0–1.4 56.50N 160.90E 0 3.6s,3.4b **¶621007032**
KRSC VIII 24 17 56 50.5–.62 56.16N 161.51E 94–5 3.8L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=17.6km az=112.0.
KRSC Event type se.
ISC VIII 29 18 20 58.7–.89 53.75N–.03 160.72E–.04 49–8 4.1b,3.1s 196 1-88
KRSC VIII 29 18 20 57.4–.77 53.70N 160.82E 49–15 4.8L,3.1s **¶621010008**
MOS VIII 29 18 20 59.0–.93 53.74N 160.66E 63 4.2b,3.1s
IDC VIII 29 18 21 02.6–1.4 53.92N 160.33E 77–13 4.1,3.7b
ISC Event type se.
KRSC Event type se. Felt [IV] at kordon Valley of Geysers; [III-IV] at HMS Semyachik.
MOS Error ellipse: s-maj=8.3km s-min=4.0km az=75.1.
IDC Error ellipse: s-maj=14.4km s-min=10.7km az=146.0.
ISC VIII 27 19 09 33.8–.90 53.58N–.03 160.89E–.04 47–9 3.9b 158 1-143
KRSC VIII 27 19 09 32.5–.88 53.56N 160.93E 47–15 4.2L **¶621009722**
MOS VIII 27 19 09 33.7–.78 53.53N 160.92E 50 4.4b
IDC VIII 27 19 09 36.0–2.4 53.77N 160.67E 58–22 4.6L,3.8
NEIC VIII 27 19 09 35.2–2.5 53.7N–.10 160.7E–.10 57–8 4.1b,3.8
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 11 36 04.6–.66 51.72N–.05 157.64E–.05 114–6 3.8b 90 0-78
KRSC IX 01 11 36 02.6–1.6 51.66N 157.77E 120–15 4.0L **¶621022654**
NEIC IX 01 11 36 05.6–1.1 51.9N–.10 157.50E–.06 118–11 4.0b
IDC IX 01 11 36 07.6–1.0 52.08N 157.14E 138–7 3.8,3.3b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=4.1km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.1km s-min=12.6km az=150.0.
IDC VIII 31 13 54 04.5–6.8 54.07N 159.60E 0
¶621076613
IDC Error ellipse: s-maj=49.7km s-min=31.7km az=50.0.
ISC IX 03 10 41 59.7–.91 56.02N–.04 161.79E–.04 73–7 3.5b 52 1-62

IDC IX 03 10 41 51.9–1.7 56.18N 161.46E 0 3.6b,3.6 ¶621035294
KRSC IX 03 10 41 58.1–.59 56.00N 161.79E 77–7 3.8L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=16.0km az=120.0.
KRSC Event type se.
IDC IX 07 07 25 55.3–2.0 53.32N 159.53E 84–35 3.2,2.8b
¶621094310
IDC Error ellipse: s-maj=39.4km s-min=32.2km az=87.0.
KRSC IX 06 03 44 08.8–.93 53.09N 160.33E 41–6 4.1L
¶626713954
KRSC Event type se.
ISC IX 09 22 44 08.1–.63 54.21N–.04 159.43E–.06 143–6 3.9b 106 1-144
KRSC IX 09 22 44 06.7–.90 54.11N 159.85E 142–9 4.0L ¶621051503
NEIC IX 09 22 44 08.2–.96 54.4N–.20 159.1E–.20 136–7 4.1b
IDC IX 09 22 44 08.6–1.1 54.41N 159.10E 144–12 3.8,3.3b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=10.8km az=159.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.5km s-min=13.3km az=160.0.
ISC IX 10 08 39 51.9–.84 53.76N–.03 160.73E–.03 53–8 4.3b 282 1-144
KRSC IX 10 08 39 50.2–.76 53.74N 160.81E 56–14 4.5L,4.0 ¶621051064
MOS IX 10 08 39 52.2–.93 53.81N 160.51E 74 4.4b,4.0
NEIC IX 10 08 39 54.8–1.2 53.9N–.20 160.3E–.20 74–10 4.3b,4.0
IDC IX 10 08 39 55.6–1.3 53.90N 160.27E 84–13 4.1,3.7b
ISC Event type se.
KRSC Event type se. Felt [III-IV] at kordon Valley of Geysers; [II] at kordon Kronoki.
MOS Error ellipse: s-maj=7.9km s-min=3.9km az=76.7.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=11.5km az=158.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.4km s-min=11.3km az=159.0.
IDC IX 10 14 42 50.5–13 54.09N 159.75E 0
¶621108525
IDC Error ellipse: s-maj=104.1km s-min=34.7km az=52.0.
ISC IX 15 04 51 04.8–.72 54.28N–.03 162.64E–.03 24–5 4.1b 198 1-78
NEIC IX 15 04 51 02.8–1.8 54.40N–.09 162.74E–.09 10–1 4.4b ¶621073660
IDC IX 15 04 51 03.0–.99 54.58N 162.35E 0 4.8L,4.0
KRSC IX 15 04 51 04.6–1.2 54.23N 162.59E 39–17 4.4L,4.0
MOS IX 15 04 51 04.5–.89 54.23N 162.82E 38 4.4b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.2km az=182.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=14.1km az=155.0.
KRSC Event type se.
MOS Error ellipse: s-maj=6.6km s-min=4.6km az=96.4.
ISC IX 16 03 47 01.5–1.4 56.07N–.06 163.81E–.04 2–10 3.4b 36 1-68
KRSC IX 16 03 47 01.5–1.2 55.99N 163.80E 6–16 3.9L ¶621081289
IDC IX 16 03 47 02.1–1.2 55.95N 164.04E 0 3.5b,3.4
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=109.5km s-min=16.2km az=144.0.
ISC IX 16 19 57 23.9–.89 53.73N–.03 160.73E–.04 49–8 4.1b 210 1-143
KRSC IX 16 19 57 22.4–.68 53.71N 160.83E 48–13 4.4L ¶621080877
MOS IX 16 19 57 24.1–.76 53.73N 160.70E 59 4.1b
NEIC IX 16 19 57 27.0–1.4 53.9N–.10 160.2E–.20 78–12 4.1b
IDC IX 16 19 57 28.4–1.4 53.88N 160.29E 85–12 3.9,3.6b
ISC Event type se.
KRSC Event type se. Felt [IV] at HMS Semyachik, kordon Semyachik.
MOS Error ellipse: s-maj=8.6km s-min=4.2km az=73.7.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.5km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.6km s-min=11.2km az=144.0.
IDC IX 24 18 15 27.1–7.4 54.04N 159.68E 0
¶621126453
IDC Error ellipse: s-maj=52.8km s-min=32.5km az=52.0.
ISC IX 19 01 34 48.0–1.1 53.04N–.05 159.10E–.06 105–6 60 0-79
KRSC IX 19 01 34 46.2–.82 53.01N 159.12E 108–7 3.8L ¶621083303
IDC IX 19 01 34 47.2–2.7 52.98N 159.01E 101–37 3.4,3.0b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=92.7km s-min=35.2km az=125.0.
ISC IX 21 16 32 02.3–.59 53.18N–.04 160.00E–.03 58–5 4.0b 163 0-86
KRSC IX 21 16 32 00.7–1.1 53.08N 160.06E 60–9 4.4L ¶621094409
MOS IX 21 16 32 01.7–.89 53.07N 160.02E 60 4.3b
NEIC IX 21 16 32 04.9–.70 53.4N–.10 159.5E–.10 73–6 4.4b
IDC IX 21 16 32 05.5–1.3 53.37N 159.63E 85–10 3.9,3.5b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=3.9km az=82.4.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=9.5km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=13.6km az=147.0.
IDC IX 22 18 08 33.6–9.4 54.20N 160.07E 0
¶621118169
IDC Error ellipse: s-maj=56.2km s-min=37.5km az=53.0.
ISC X 01 21 24 31.7–.94 55.32N–.03 162.63E–.03 52–9 4.1b,3.5s 149 1-145
KRSC X 01 21 24 29.6–.51 55.30N 162.70E 59–14 4.6L,4.2 ¶621116392
MOS X 01 21 24 31.0–.86 55.36N 162.62E 59 4.6b,4.2
IDC X 01 21 24 35.7–2.4 55.51N 162.08E 80–23 3.9,3.6b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=7.0km s-min=4.6km az=78.5.
IDC Error ellipse: s-maj=17.9km s-min=13.9km az=151.0.
ISC IX 25 03 40 12.5–.78 54.61N–.03 161.70E–.03 48–7 4.1b 180 0-85
IDC IX 25 03 40 06.3–.63 54.75N 161.33E 0 4.1L,3.9 ¶621109883
KRSC IX 25 03 40 10.6–.92 54.58N 161.78E 56–15 4.5L,3.9
NEIC IX 25 03 40 11.7–2.1 54.8N–.10 161.5E–.10 35–2 4.3b,3.9
MOS IX 25 03 40 11.9–.66 54.63N 161.73E 57 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=11.1km az=139.0.
KRSC Event type se. Felt [III-IV] at kordon Aerodrom.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=11.2km az=157.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.5km s-min=3.8km az=84.0.
ISC IX 25 13 36 12.6–.41 55.22N–.02 161.26E–.03 95–3 4.3b 334 0-164
KRSC IX 25 13 36 11.5–.49 55.19N 161.39E 92–8 4.6L,3.8 ¶621109926
MOS IX 25 13 36 11.8–.80 55.23N 161.39E 95 4.4b,3.8
IDC IX 25 13 36 12.8–.47 55.37N 161.02E 95–4 4.1,3.7b
GFZ IX 25 13 36 13.9–.39 55N–4.0 161E–4.0 102–4 5.1b,4.4b
NEIC IX 25 13 36 13.2–2.0 55.33N–.10 161.1E–.10 98–8 4.4b,4.4b
ISC Event type se.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 19 50 41.1–.90 53.89N–.03 160.80E–.03 53–9 3.7b 177 1-144
KRSC IX 26 19 50 40.0–.78 53.89N 160.84E 52–15 4.3L ¶621110441
MOS IX 26 19 50 41.0–.55 53.86N 160.86E 58 4.1b
IDC IX 26 19 50 44.2–1.9 54.13N 160.29E 80–17 3.7,3.4b
ISC Event type se.
KRSC Event type se. Felt [IV] at kordon Valley of Geysers.
MOS Error ellipse: s-maj=9.1km s-min=3.9km az=77.0.
IDC Error ellipse: s-maj=20.5km s-min=15.0km az=150.0.
ISC IX 27 04 14 38.1–.80 51.95N–.07 158.07E–.10 112–6 3.2b 45 0-78
KRSC IX 27 04 14 36.5–.97 51.94N 158.13E 116–8 3.6L ¶621111238
IDC IX 27 04 14 38.2–4.1 52.01N 157.94E 114–51 3.5,3.1b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=127.8km s-min=22.1km az=129.0.
ISC X 03 05 19 09.5–1.2 55.78N–.03 162.44E–.04 33–4 3.7b 119 0-146
IDC X 03 05 19 04.7–.68 55.85N 162.17E 0 3.7,3.6b ¶621117083
MOS X 03 05 19 06.8–.95 55.77N 162.69E 23 4.3b,3.6b
KRSC X 03 05 19 07.0–.91 55.64N 162.54E 20–19 4.3L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=14.9km az=144.0.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=72.8.
KRSC Event type se.
ISC X 12 04 33 01.6–.64 52.78N–.05 158.95E–.04 117–4 3.9b 131 0-77
KRSC X 12 04 33 01.4–1.1 52.75N 159.06E 113–7 4.2L ¶621146893
MOS X 12 04 33 01.1–.76 52.77N 158.83E 123 3.9b
NEIC X 12 04 33 02.2–.81 52.8N–.10 158.7E–.20 118–5 4.1b
IDC X 12 04 33 03.1–4.5 52.80N 158.53E 124–10 4.0,3.6b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=16.5km s-min=5.0km az=82.6.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=13.7km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=106.4km s-min=47.0km az=146.0.
ISC X 06 11 59 22.6–1.3 55.18N–.03 162.58E–.03 3–10 3.4b 50 1-82
IDC X 06 11 59 23.9–2.0 54.90N 162.67E 0 3.4b,3.3 ¶621126707
KRSC X 06 11 59 26.4–.52 55.33N 162.49E 55–18 3.9L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=114.0km s-min=17.9km az=154.0.
KRSC Event type se.
ISC X 06 01 37 49.2–3.1 54.07N–.04 162.08E–.04 13–20 3.9b 80 1-63
IDC X 06 01 37 49.6–1.2 54.62N 161.62E 0 3.7b,3.6 ¶621126705
KRSC X 06 01 37 50.0–1.0 54.00N 162.11E 40–15 4.2L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=15.4km az=150.0.
KRSC Event type se.
ISC X 05 02 10 32.9–.40 56.51N–.03 163.42E–.03 10 4.3b,3.1s 186 0-146
KRSC X 05 02 10 30.4–1.5 56.42N 163.57E 5–12 4.5L,3.1s ¶621120434
MOS X 05 02 10 30.7–1.0 56.54N 163.47E 5 4.4b,3.1s
IDC X 05 02 10 31.6–.55 56.53N 163.21E 0 4.1b,4.1
NEIC X 05 02 10 34.0–1.4 56.6N–.10 163.3E–.20 10–1 4.3b,4.1
ISC Event type se.
KRSC Event type se. Felt [II-III] at cape Afrika; Felt at HMS cape Afrika.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 14 12 27.3–.42 51.64N–.04 157.21E–.04 121–3 4.4b 360 0-146
KRSC X 12 14 12 26.6–1.1 51.53N 157.50E 121–7 4.7L ¶621146417
BJI X 12 14 12 26.7 51.89N 157.20E 132 4.7b
IDC X 12 14 12 27.8–.49 51.74N 157.05E 123–3 4.3,3.8b
MOS X 12 14 12 27.0–.92 51.67N 157.05E 130 4.2b,3.8b
NEIC X 12 14 12 29.5–.69 51.86N–.08 157.0E–.10 130–5 4.5b,3.8b
GFZ X 12 14 12 29.0–.33 52N–6.0 157E–5.0 126 5.0b,4.7b
ISC Event type se.
KRSC Event type se. Felt [II-III] at lighthouse Krugliy.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 13 20 02 00.6–.70 55.56N–.03 161.77E–.03 77–6 4.0b 196 1-84
KRSC X 13 20 01 58.7–.48 55.55N 161.78E 80–10 4.4L ¶621148201
MOS X 13 20 01 59.5–.74 55.62N 161.71E 82 4.2b
NEIC X 13 20 02 02.2–1.4 55.5N–.10 161.6E–.20 100–7 4.0b
IDC X 13 20 02 02.2–2.4 55.70N 161.66E 89–25 3.9,3.6b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=4.9km az=76.6.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=10.6km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=16.2km az=165.0.
ISC X 18 08 24 31.7–.22 53.93N–.02 158.71E–.03 176–1 5.4b 1802 0-160
BJI X 18 08 24 27.9 54.05N 159.03E 176 5.3b,5.2b ¶621206689
KRSC X 18 08 24 29.1–.99 53.89N 158.97E 186–11 5.9L,5.2b
MOS X 18 08 24 30.5–.85 53.96N 158.66E 179 5.7b,4.2s
NEIC X 18 08 24 31.8 54.00N 158.64E 172 5.7b,4.2s
BGR X 18 08 24 31.0 53.65N 158.42E 182–4 6.4,6.2b
NEIC X 18 08 24 31.6–1.1 53.98N–.07 158.6E–.10 173–1 5.3b,6.2b
IDC X 18 08 24 32.3–.30 54.04N 158.60E 176–2 5.7,5.2b
GFZ X 18 08 24 32.4 54.00N 158.63E 177 5.3W,5.2b
GFZ X 18 08 24 32.2–.41 54N–3.0 159E–3.0 174–4 5.9b,5.7b
GCMT X 18 08 24 34.3–.30 53.83N–.02 158.80E–.04 183–3 5.4W,5.7b
NEIC X 18 08 24 41 54.00N 158.64E 170 5.3,5.7b
ISC Event type ke.
KRSC Event type se. Felt [IV] at kordon Aerodrom; [III-IV] at kordon Semyachik, cape Shipunskiy; [III] at HMS Semyachik, kordon Uzon; [II-III] at kordon Valley of Geysers, Petropavlovsk; [II] at Ust-Kamchatsk; Felt at Noviy.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=2.9km az=88.0. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type se.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.2km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=6.9km s-min=5.7km az=125.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.53 $M_{r\theta}$-0.77 $M_{\theta\phi}$-0.63 $M_{\phi r}$-0.21 NP1: ϕ_s245.47674°,δ73.60805°,λ123.56687°. NP2:ϕ_s358.51624°,δ36.92974°,λ28.01422°.
Principal axes: T 1.1069,Plg49.8885°,Azm192.8373°; N 0.0718,Plg32.0349°,Azm54.8702°
; P -1.1787,Plg21.4502°,Azm310.6383° $M_0$1.14450×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110180824A. Moment Tensor Solution. s25,c32; s107,c164; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.34±.06 $M_{\theta\theta}$0.41±.06; $M_{\phi\phi}$-0.75±.06; $M_{r\theta}$-1.30±.05; $M_{\theta\phi}$-0.95±.05; $M_{\phi r}$-0.41±.05; Best double couple: NP1:ϕ_s348.00000°
,δ39.00000°,λ11.00000°. NP2:ϕ_s249.00000°,δ83.00000°,λ128.00000°. Principal axes:
T 1.7500,Plg40.0000°,Azm194.0000°; N 0.0700,Plg38.0000°,Azm64.0000°
; P -1.8190,Plg28.0000°,Azm310.0000° $M_0$1.78500×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.91 $M_{\theta\phi}$-0.50 $M_{\phi r}$-0.23 NP1:ϕ_s0.94000°,δ30.86000°
,λ29.37000°. NP2:ϕ_s245.15000°,δ75.43000°,λ117.51000°. Principal axes:
T 1.2192,Plg52.0000°,Azm187.0000°; N -0.0653,Plg27.0000°,Azm58.0000°
; P -1.1539,Plg25.0000°,Azm314.0000° $M_0$1.19000×10^{17}
ISC X 14 23 52 24.0–1.2 53.61N–.04 160.87E–.05 46–12 3.7b 75 1-70
KRSC X 14 23 52 22.5–.93 53.62N 160.90E 40–15 3.9L ¶621202570
IDC X 14 23 52 26.9–4.9 53.79N 160.63E 72–56 3.6,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=59.8km s-min=30.7km az=18.0.
ISC X 16 04 21 59.0–.72 55.58N–.03 162.25E–.03 73–6 3.8b 137 1-145
MOS X 16 04 21 57.8–.82 55.63N 162.27E 83 3.8b ¶621204554
KRSC X 16 04 21 57.3–.49 55.58N 162.27E 81–9 4.4L
IDC X 16 04 22 02.3–3.0 55.66N 161.78E 98–27 3.7,3.4b
ISC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=4.3km az=78.5.
KRSC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=15.2km az=109.0.
ISC XI 02 01 25 52.8–.82 54.40N–.03 161.45E–.04 47–7 4.2b,3.4s 203 0-87
IDC XI 02 01 25 46.8–.77 54.58N 161.17E 0 4.5L,4.1 ¶621252431

KRSC XI 02 01 25 51.9–.79 54.36N 161.51E 50–11 4.6L,4.1
MOS XI 02 01 25 53.0–.73 54.39N 161.52E 61 4.3b,4.1
NEIC XI 02 01 25 54.9–.97 54.48N–.09 161.2E–.20 62–7 4.4b,4.1
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC X 30 14 04 26.1–1.3 51.30N 158.43E 51–15 3.6L
¶621244598
KRSC Event type se.
KRSC XI 01 06 26 17.4–1.4 51.21N 158.40E 50–18 4.0L
¶621252704
KRSC Event type se.
ISC X 25 08 50 23.2–1.1 54.92N–.03 162.03E–.03 19–3 3.6b 138 0-82
IDC X 25 08 50 18.6–1.7 55.87N 160.33E 0 3.6,3.5b **¶621239842**
KRSC X 25 08 50 21.9–.71 54.85N 162.09E 46–13 4.5L,3.5b
MOS X 25 08 50 23.7–.90 54.89N 162.06E 36 3.8b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=109.3km s-min=15.0km az=131.0.
KRSC Event type se. Felt [II] at kordon Kronoki.
MOS Error ellipse: s-maj=7.4km s-min=3.9km az=80.5.
IDC XI 03 10 20 12.6–230 54.10N 159.82E 0
¶621412239
IDC Error ellipse: s-maj=105.3km s-min=34.9km az=52.0.
KRSC XI 10 03 38 41.0–.84 56.19N 162.66E 30–9 3.7L
¶621394908
KRSC Event type se.
IDC XI 04 11 23 19.5–6.4 54.11N 159.46E 0
¶621412295
IDC Error ellipse: s-maj=48.5km s-min=32.2km az=47.0.
IDC XI 05 09 17 53.3–8.1 54.09N 159.72E 0
¶621413964
IDC Error ellipse: s-maj=54.2km s-min=28.9km az=51.0.
IDC XI 06 18 33 16.2–13 54.18N 159.68E 0
¶621415997
IDC Error ellipse: s-maj=106.7km s-min=41.0km az=49.0.
IDC XI 03 07 18 03.3–7.5 54.04N 159.69E 0
¶621412229
IDC Error ellipse: s-maj=52.3km s-min=33.3km az=53.0.
IDC XI 03 18 34 52.9–7.9 54.07N 159.70E 0
¶621412256
IDC Error ellipse: s-maj=55.3km s-min=33.7km az=52.0.
IDC XI 18 08 52 42.0–13 54.13N 159.75E 0
¶621532471
IDC Error ellipse: s-maj=104.6km s-min=35.4km az=50.0.
ISC XI 12 11 55 04.9–1.5 53.26N–.04 160.66E–.05 27–13 77 0-4
KRSC XI 12 11 55 04.0–1.5 53.30N 160.63E 48–14 3.6L **¶621402726**
ISC Event type se.
KRSC Event type se.
ISC XI 11 12 40 17.8–.89 54.84N–.03 160.92E–.06 136–7 3.2b 77 0-70
IDC XI 11 12 40 07.1–1.2 54.84N 162.26E 0 3.4b,3.4 **¶621399801**
KRSC XI 11 12 40 15.7–1.1 54.85N 160.89E 142–9 3.7L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=112.6km s-min=15.4km az=150.0.
KRSC Event type se.
KRSC XI 23 15 14 40.8–1.2 51.11N 158.24E 125–13 3.8L
¶621453085
KRSC Event type se.
ISC XI 23 06 42 58.3–.79 53.43N–.03 160.56E–.03 34–5 4.1b 237 0-144
KRSC XI 23 06 42 57.5–2.0 53.28N 160.68E 49–17 4.6L **¶621448777**
MOS XI 23 06 42 58.9–.88 53.30N 160.57E 57 4.3b
NEIC XI 23 06 43 00.1–1.3 53.49N–.07 160.4E–.10 50–7 4.1b
IDC XI 23 06 43 03.3–1.7 53.51N 160.27E 78–15 4.1,3.7b
ISC Event type se.
KRSC Event type se. Felt [III] at kordon Semyachik.
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=81.6.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.4km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.2km s-min=13.5km az=141.0.
ISC XI 25 08 46 44.9–.90 53.29N–.04 160.60E–.04 45–8 4.2b 153 0-80
KRSC XI 25 08 46 43.7–1.2 53.29N 160.61E 49–13 4.1L **¶621470311**
MOS XI 25 08 46 44.1–.74 53.17N 160.81E 46 4.6b
NEIC XI 25 08 46 45.1–.70 53.5N–.20 160.5E–.10 46–17 4.3b
IDC XI 25 08 46 48.7–4.8 53.40N 160.24E 76–36 3.9,3.5b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=4.7km az=83.1.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=4.0km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.6km s-min=22.6km az=93.0.
KRSC XI 25 11 27 24.1–1.1 51.12N 158.07E 52–16 3.7L
¶621470312
KRSC Event type se.
ISC XII 01 13 46 31.4–.91 55.93N–.05 161.15E–.04 117–5 3.2b 66 0-83
IDC XII 01 13 46 10.8–2.1 56.48N 163.21E 0 3.5b,3.4 **¶621607718**
KRSC XII 01 13 46 30.6–.57 55.90N 161.19E 118–5 3.7L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=25.6km az=113.0.
KRSC Event type se.
ISC XI 28 12 09 02.0–.62 55.78N–.03 161.58E–.03 136–4 3.7b 177 0-146
MOS XI 28 12 09 01.0–.73 55.86N 161.45E 142 4.1b **¶621480807**
KRSC XI 28 12 09 01.3–1.7 55.76N 161.63E 134–17 4.1L
IDC XI 28 12 09 03.1–1.9 55.85N 161.31E 141–18 3.8,3.3b
ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=4.9km az=73.5.
KRSC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=14.0km az=85.0.
ISC XI 30 19 45 58.6–.97 53.65N–.05 159.68E–.07 102–7 50 0-71
IDC XI 30 19 45 55.6–5.6 53.59N 160.27E 61–72 4.4L,3.7 **¶621568613**
KRSC XI 30 19 45 57.2–1.6 53.66N 159.67E 108–15 3.8L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=59.6km s-min=33.7km az=114.0.
KRSC Event type se.
ISC XII 07 17 31 56.8–.95 55.00N–.04 162.99E–.04 47–10 4.2b 117 1-145
KRSC XII 07 17 31 53.0–.94 54.96N 163.09E 60–24 4.4L **¶621620570**
NEIC XII 07 17 31 58.6–1.8 55.2N–.10 162.6E–.20 61–7 4.3b
IDC XII 07 17 31 59.4–2.8 55.22N 162.57E 68–27 3.9,3.5b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=9.8km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.7km s-min=16.7km az=139.0.
ISC XII 08 21 07 10.7–.57 55.73N–.03 161.13E–.03 103–5 4.1b 161 0-82
MOS XII 08 21 07 09.3–.96 55.77N 161.09E 106 4.3b **¶621622167**
KRSC XII 08 21 07 09.1–.72 55.70N 161.18E 104–9 4.3L
NEIC XII 08 21 07 11.9–1.3 55.8N–.10 160.9E–.20 111–7 4.3b
IDC XII 08 21 07 12.9–1.8 55.69N 160.88E 125–18 3.8,3.4b
ISC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=5.3km az=78.2.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.0km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=12.9km az=166.0.
ISC XII 12 19 33 20.4–1.5 55.75N–.04 162.27E–.04 17–10 3.4b 47 1-68
IDC XII 12 19 33 17.4–.98 55.95N 162.10E 0 3.5b,3.5 **¶621627983**
KRSC XII 12 19 33 20.7–.49 55.59N 162.31E 26–19 4.2L,3.5
ISC Event type se.

IDC Error ellipse: s-maj=42.5km s-min=15.0km az=136.0.
KRSC Event type se.
ISC XII 12 01 43 19.5–1.2 55.68N–.02 162.54E–.03 23–9 4.0b 203 1-145
KRSC XII 12 01 43 17.4–.65 55.63N 162.62E 31–13 4.3L **¶621627979**
MOS XII 12 01 43 19.7–.84 55.70N 162.59E 40 4.1b
NEIC XII 12 01 43 23.4–1.4 55.7N–.10 162.2E–.20 55–9 4.2b
IDC XII 12 01 43 24.0–2.7 55.77N 162.27E 55–25 3.8,3.5b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=4.8km az=80.1.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=5.2km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.6km s-min=13.4km az=116.0.
ISC XII 08 23 03 10.4–.60 53.27N–.03 160.05E–.04 57–5 4.5b,3.5s 287 0-144
KRSC XII 08 23 03 09.6–.60 53.24N 160.12E 58–7 4.9L,3.6 **¶621622857**
MOS XII 08 23 03 10.5–1.0 53.27N 159.97E 74 4.7b,3.6
NEIC XII 08 23 03 12.2–1.6 53.4N–.10 159.9E–.10 68–6 4.6b,3.6
IDC XII 08 23 03 13.8–1.2 53.44N 159.74E 80–10 4.3,3.9b
ISC Event type se.
KRSC Event type se. Felt [III] at kordon Kronoki; [II-III] at kordon Semyachik; [II] at Petropavlovsk; [I-II] at Pionersky.
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=79.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=8.7km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.1km s-min=10.2km az=157.0.
ISC XII 13 00 44 28.6–.91 53.02N–.05 158.93E–.05 107–5 3.5b 50 0-71
KRSC XII 13 00 44 27.9–.67 52.98N 158.99E 108–6 3.9L **¶621629129**
IDC XII 13 00 44 29.5–.96 53.39N 158.21E 114–9 3.6,3.2b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=57.4km s-min=26.9km az=160.0.
ISC XII 14 02 46 50.8–.96 54.87N–.04 161.01E–.05 127–9 45 1-82
IDC XII 14 02 46 46.5–7.9 53.67N 162.84E 56–84 3.4,3.3s **¶621630233**
KRSC XII 14 02 46 48.8–1.2 54.86N 161.01E 131–17 3.9L,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=124.3km s-min=36.8km az=151.0.
KRSC Event type se.
ISC XII 18 19 19 15.6–.68 51.17N–.06 157.31E–.07 129–5 3.7b 113 0-136
MOS XII 18 19 19 15.4–1.1 51.27N 157.02E 136 4.0b **¶621633601**
KRSC XII 18 19 19 15.4–1.2 51.13N 157.51E 120–10 4.2L
NEIC XII 18 19 19 17.7–.61 51.4N–.10 156.9E–.20 141–3 4.0b
IDC XII 18 19 19 18.5–1.3 51.38N 156.92E 148–10 3.8,3.3b
ISC Event type se.
MOS Error ellipse: s-maj=16.8km s-min=5.1km az=74.3.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=13.5km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.0km s-min=13.6km az=130.0.
ISC XII 14 01 44 01.8–1.1 53.59N–.04 160.79E–.05 60–10 3.8b 50 1-131
KRSC XII 14 01 44 00.7–.77 53.60N 160.85E 46–14 3.7L **¶621630232**
IDC XII 14 01 44 03.0–5.5 53.34N 160.82E 91–42 3.6,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=50.1km s-min=41.3km az=76.0.
ISC XII 26 12 09 55.2–.75 55.58N–.03 161.77E–.03 69–6 3.7b 134 1-82
IDC XII 26 12 09 47.4–.80 55.78N 161.72E 0 3.7b,3.7 **¶621653661**
KRSC XII 26 12 09 53.5–.62 55.58N 161.77E 79–12 4.2L,3.7
MOS XII 26 12 09 54.2–.80 55.63N 161.72E 76 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=13.5km az=140.0.
KRSC Event type se.
MOS Error ellipse: s-maj=9.4km s-min=5.4km az=83.6.
IDC XII 31 08 17 12.5–1.9 56.38N 162.50E 0 3.1b,3.1
¶621726052
IDC Error ellipse: s-maj=305.7km s-min=19.8km az=135.0.
ISC XII 27 00 09 01.8–2.3 55.05N–.04 162.88E–.04 15–15 4.0b 64 1-68
IDC XII 27 00 08 59.5–1.0 55.27N 162.66E 0 3.9,3.8b **¶621654354**
KRSC XII 27 00 09 00.1–.84 54.94N 162.90E 28–45 4.1L,3.8b
NEIC XII 27 00 09 03.3–1.2 55.1N–.20 162.8E–.20 22–7 4.0b,3.8b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(219) Off east coast of Kamchatka Peninsula.

ISC VII 12 23 06 10.4–.86 52.60N–.03 160.59E–.03 9–4 4.7b,3.8s 626 1-142
BJI VII 12 23 06 08.4 52.86N 160.26E 8 4.7b,4.7b **¶620804941**
NEIC VII 12 23 06 10.8–1.4 52.6N–.10 160.46E–.10 10–1 4.7b,4.7b
KRSC VII 12 23 06 11.1–1.3 52.42N 160.71E 40–16 4.9L,4.0
MOS VII 12 23 06 13.1–1.1 52.40N 160.54E 46 4.9b,4.0
GFZ VII 12 23 06 17.3–.94 53N–6.0 160E–7.0 42–7 4.8b,4.8
IDC VII 12 23 06 18.9–1.8 52.52N 160.26E 74–13 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=9.8km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se. Felt [II] at Petropavlovsk.
MOS Error ellipse: s-maj=6.1km s-min=3.4km az=104.1.
GFZ Error ellipse: s-maj=17.1km s-min=8.3km az=127.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=14.6km s-min=10.5km az=145.0.
ISC VII 13 02 28 56.0–.40 52.47N–.03 160.55E–.02 24–2 5.3b,5.2s 1475 1-161
IDC VII 13 02 28 53.0–.35 52.58N 160.28E 0 5.3,5.2b **¶620804953**
BJI VII 13 02 28 53.3 52.80N 159.94E 10 5.6s,5.5
KRSC VII 13 02 28 54.1–1.3 52.37N 160.73E 51–18 5.7L,5.5
GFZ VII 13 02 28 55.3–.26 53N–4.0 161E–4.0 10 5.5b,5.2
GFZ VII 13 02 28 55.5 52.58N 160.39E 19 5.2W,5.2
NEIC VII 13 02 28 55.2–1.6 52.50N–.08 160.51E–.04 15–3 5.3b,5.2
MOS VII 13 02 28 58.1–.90 52.52N 160.33E 59 5.7b,5.3s
BGR VII 13 02 28 59.7 52.74N 159.51E 33 5.6b,5.0s
GCMT VII 13 02 29 00.8–.10 52.39N–.01 160.65E–.01 28–0 5.4W,5.0s
ISC Event type ke.
KRSC Event type se. Felt [II-III] at Petropavlovsk; Felt at Ribachiy, Elizovo.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}7.67 $M_{\theta\theta}$-3.16 $M_{\phi\phi}$-4.52 $M_{r\theta}$-0.16 $M_{\theta\phi}$-5.25 $M_{\phi r}$2.70 NP1: ϕ_s236.60123°,δ40.62369°,λ113.44362°. NP2:ϕ_s26.86048°,δ53.32022°,λ71.15619°. Principal axes: T 8.4048,Plg73.5526°,Azm243.0914°; N 0.9482,Plg15.0127°,Azm38.3830°; P -9.3530,Plg6.5639°,Azm130.1514° $M_0$8.91676×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107130228A. Moment Tensor Solution. s115,c202; s139,c273;Duration: 1$\dot{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.02 $M_{\theta\theta}$-0.58±.02; $M_{\phi\phi}$-0.55±.02; $M_{r\theta}$0.71±.03; $M_{\theta\phi}$-0.62±.01; $M_{\phi r}$0.77±.03; Best double couple: NP1: ϕ_s228.00000°,δ24.00000°,λ94.00000°. NP2:ϕ_s43.00000°,δ66.00000°,λ88.00000°. Principal axes: T 1.5340,Plg69.0000°,Azm310.0000°; N 0.0500,Plg2.0000°,Azm44.0000°; P -1.5840,Plg21.0000°,Azm135.0000° $M_0$1.55900×10^{17}
ISC VII 14 02 42 58.7–.42 52.34N–.03 160.63E–.03 26–2 4.9b,4.6s 1004 1-161
KRSC VII 14 02 42 56.8–1.4 52.35N 160.80E 35–18 5.4L,4.9 **¶620823852**
NEIC VII 14 02 42 56.0–1.5 52.39N–.08 160.62E–.09 10–1 4.9b,4.9
IDC VII 14 02 42 56.0–.48 52.61N 160.36E 0 5.0L,4.6b
BJI VII 14 02 42 57.0 52.76N 160.32E 22 5.0s,5.0

MOS VII 14 02 43 00.3–.89 52.43N 160.47E 38 5.2b,4.7s
GFZ VII 14 02 43 01.2–.27 52N–4.0 160E–3.0 29–1 5.0b,5.0
GCMT VII 14 02 43 03.3–.30 52.23N–.02 160.69E–.04 29–1 5.0W,5.0
BGR VII 14 02 43 04.1 52.82N 160.35E 30 4.7b,5.0
ISC Event type ke.
KRSC Event type se. Felt [II] at Petropavlovsk.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.9km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.5km s-min=8.9km az=163.0.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=101.1. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
GFZ Error ellipse: s-maj=9.5km s-min=5.2km az=142.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107140242A. Moment Tensor Solution. s46,c58; s91,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.28±.21 $M_{\theta\theta}$-2.21±.14; $M_{\phi\phi}$-1.08±.13; $M_{r\theta}$1.89±.21; $M_{\theta\phi}$-1.77±.08; $M_{\phi r}$1.72±.19; Best double couple: NP1:ϕ_s238.00000°,δ27.00000° ,λ97.00000°. NP2:ϕ_s50.00000°,δ64.00000°,λ86.00000°. Principal axes:
T 4.1430,Plg71.0000°,Azm312.0000°; N 0.1970,Plg3.0000°,Azm52.0000°
; P -4.3510,Plg18.0000°,Azm143.0000° M_o4.24700×10^{16}
BGR Event type ke.
ISC VII 14 03 34 34.9–.38 52.38N–.04 160.67E–.03 21–3 4.8b,4.0s 661 1-161
IDC VII 14 03 34 32.5–.53 52.60N 160.37E 0 4.5L,4.5 **¶620823854**
BJI VII 14 03 34 32.3 52.86N 160.18E 10 4.8b,4.7b
KRSC VII 14 03 34 32.5–1.4 52.33N 160.86E 45–19 5.1L,4.2
NEIC VII 14 03 34 33.4–1.0 52.39N–.10 160.68E–.09 10–1 4.8b,4.2
MOS VII 14 03 34 36.0–1.1 52.39N 160.58E 42 5.1b,4.1s
GFZ VII 14 03 34 39.2–.25 53N–4.0 160E–4.0 32 4.9b,4.9
BGR VII 14 03 34 43.8 53.17N 159.96E 33 4.6b,4.9
ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=9.1km az=163.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.0km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.0km s-min=3.2km az=104.7.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
BGR Event type ke.
ISC VII 15 21 07 14.8–1.3 53.00N–.06 160.67E–.05 32–8 3.7b 80 0-75
IDC VII 15 21 07 07.2–2.3 52.73N 161.22E 0 3.7b,3.7 **¶620831314**
KRSC VII 15 21 07 13.7–1.6 52.88N 160.72E 40–13 4.0L,3.7
MOS VII 15 21 07 14.5–.86 52.81N 160.73E 44 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=66.0km s-min=18.3km az=1.0.
KRSC Event type se.
MOS Error ellipse: s-maj=8.8km s-min=6.4km az=116.1.
ISC VII 16 02 32 00.4–1.6 51.42N–.04 159.09E–.06 13–9 3.9b,3.3s 108 1-82
KRSC VII 16 02 32 01.5–1.8 51.45N 159.34E 24–46 4.4L,3.3s **¶620831321**
MOS VII 16 02 32 03.7–.87 51.50N 159.24E 48 4.3b,3.3s
NEIC VII 16 02 32 07.6–1.6 51.7N–.10 158.9E–.20 56–7 4.3b,3.3s
IDC VII 16 02 32 10.5–2.4 51.65N 158.61E 81–15 3.9,3.5b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=4.7km az=102.6.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=14.7km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.1km s-min=15.0km az=117.0.
ISC VII 16 15 18 03.6–2.5 54.24N–.04 163.28E–.04 24–18 3.6b 73 1-82
IDC VII 16 15 18 00.6–.80 54.40N 163.11E 0 3.7L,3.7 **¶620833085**
KRSC VII 16 15 18 02.2–1.2 54.24N 163.23E 56–25 4.0L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=13.9km az=157.0.
KRSC Event type se.
KRSC VII 18 00 36 03.9–1.2 51.83N 159.36E 41–17 3.8L
¶620833527
KRSC Event type se.
KRSC VII 23 02 50 40.7–.81 55.34N 163.45E 58–19 3.8L
¶620845657
KRSC Event type se.
ISC VII 24 23 31 02.2–3.2 52.77N–.06 162.42E–.06 1–19 50 1-80
IDC VII 24 23 31 03.2–2.6 52.75N 162.58E 0 3.5b,3.5 **¶620845812**
KRSC VII 24 23 31 04.2–1.9 52.79N 162.37E 60–30 3.7L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=65.2km s-min=26.6km az=26.0.
KRSC Event type se.
ISC VII 27 14 27 05.3–2.3 52.27N–.07 160.90E–.07 4–12 41 1-4
KRSC VII 27 14 27 08.2–1.6 52.29N 160.81E 18–24 3.7L **¶620857211**
ISC Event type se.
KRSC Event type se.
ISC VII 28 20 38 16.2–1.5 54.65N–.05 163.21E–.04 12–9 4.0b 43 1-144
IDC VII 28 20 38 15.0–2.0 54.78N 163.27E 0 4.7L,3.8b **¶620859535**
KRSC VII 28 20 38 16.8–1.0 54.57N 163.19E 53–21 4.0L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=18.6km az=144.0.
KRSC Event type se.
ISC VIII 12 08 39 06.3–2.1 52.57N–.07 160.61E–.06 9–13 4.1b 36 1-69
IDC VIII 12 08 39 04.7–2.3 52.70N 160.94E 0 3.8,3.7b **¶621009392**
KRSC VIII 12 08 39 05.8–1.5 52.42N 160.66E 17–17 4.0L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=27.8km az=149.0.
KRSC Event type se.
ISC VIII 03 11 12 01.4–1.6 53.89N–.03 161.83E–.05 8–12 51 1-4
KRSC VIII 03 11 12 04.7–1.1 53.89N 161.79E 40–17 3.5L **¶620966505**
ISC Event type se.
KRSC Event type se.
ISC VII 28 20 36 42.5–1.5 54.64N–.03 163.10E–.03 30–10 4.3b,3.5s 256 1-144
KRSC VII 28 20 36 40.5–1.1 54.60N 163.15E 61–22 4.3L,3.5s **¶620857685**
NEIC VII 28 20 36 40.4–2.5 54.7N–.10 162.9E–.20 10–1 4.3b,3.5s
MOS VII 28 20 36 42.1–.80 54.63N 163.20E 41 4.7b,3.5s
IDC VII 28 20 36 47.2–2.7 54.81N 162.69E 54–24 4.0,3.7b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=15.7km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.8km s-min=4.8km az=90.0.
IDC Error ellipse: s-maj=19.7km s-min=13.8km az=134.0.
ISC VIII 12 05 15 54.6–.94 52.46N–.04 160.61E–.04 3–4 3.9b 101 1-79
IDC VIII 12 05 15 51.5–1.4 52.83N 161.18E 0 3.7b,3.7 **¶620983375**
KRSC VIII 12 05 15 55.5–1.7 52.43N 160.68E 37–21 4.4L,3.7
MOS VIII 12 05 15 57.9–.79 52.42N 160.52E 32 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=21.3km az=167.0.
KRSC Event type se. Felt at Petropavlovsk.
MOS Error ellipse: s-maj=9.9km s-min=5.4km az=111.0.
ISC VII 28 15 25 09.2–1.4 52.76N–.03 160.82E–.04 5–9 4.1b 130 1-64
IDC VII 28 15 25 06.6–2.4 52.71N 161.35E 0 3.8b,3.8 **¶620859534**
KRSC VII 28 15 25 09.9–1.7 52.61N 161.03E 41–23 4.1L,3.8
NEIC VII 28 15 25 10.3–2.1 52.8N–.20 160.7E–.10 10–2 4.4b,3.8
MOS VII 28 15 25 12.3–.92 52.63N 160.91E 33 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=23.0km az=157.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.7km s-min=10.9km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.5km s-min=4.5km az=101.7.
ISC VIII 14 22 27 56.4–1.5 53.89N–.05 161.57E–.05 15–11 3.7b 96 1-81
KRSC VIII 14 22 27 55.0–1.1 53.82N 161.76E 40–15 4.3L **¶620986834**
MOS VIII 14 22 27 58.7–.70 53.91N 161.43E 40 3.9b
IDC VIII 14 22 28 02.8–.94 52.89N 161.02E 0 3.7b,3.7
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=4.6km az=72.7.
IDC Error ellipse: s-maj=36.4km s-min=15.2km az=167.0.
ISC IX 07 23 46 35.9–1.4 52.63N–.07 160.80E–.07 14 3.6b 38 1-61
KRSC IX 07 23 46 39.2–1.9 52.68N 160.58E 25–16 3.5L **¶621042371**
IDC IX 07 23 46 42.1–6.8 52.72N 160.63E 58–47 3.7,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=60.3km s-min=46.7km az=177.0.
ISC X 06 14 30 37.2–.56 52.56N–.03 159.80E–.03 53–4 4.5b,3.6s 464 1-142
KRSC X 06 14 30 33.9–1.6 52.55N 159.94E 42–17 4.8L,4.0 **¶621126481**
MOS X 06 14 30 35.7–1.0 52.57N 159.72E 42 4.8b,4.0
NEIC X 06 14 30 38.9–1.1 52.75N–.04 159.57E–.09 60–6 4.3b,4.0
IDC X 06 14 30 39.4–1.5 52.71N 159.51E 67–11 4.4,4.0b
ISC Event type se.
KRSC Event type se. Felt [III] at Pionersky; [II-III] at Petropavlovsk; Felt at Elizovo.
MOS Event type fe. Error ellipse: s-maj=6.7km s-min=3.1km az=91.7. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=2.8km az=119.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.2km s-min=10.8km az=142.0.
ISC IX 14 19 57 30.0–.35 53.74N–.02 161.32E–.03 34–1 4.8b,4.4s 806 1-162
MOS IX 14 19 57 25.6–1.1 53.68N 161.51E 14 4.8b,4.4s **¶621073495**
KRSC IX 14 19 57 27.5–1.2 53.69N 161.42E 47–22 5.1L,4.8
BJI IX 14 19 57 30.3 54.08N 160.86E 36 5.0b,4.8s
NEIC IX 14 19 57 31.6–1.2 53.88N–.08 161.1E–.10 46–5 4.9b,4.8s
GFZ IX 14 19 57 32.4–.16 54N–3.0 161E–3.0 46 5.3b,5.0
GCMT IX 14 19 57 32.8–.50 53.76N–.03 161.57E–.04 33–1 4.9W,5.0
IDC IX 14 19 57 32.1–1.5 53.89N 161.11E 49–14 4.5,4.4s
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=3.4km az=85.3. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se. Felt [IV] at kordon Kronoki, kordon Aerodrom; [III-IV] at kordon Valley of Geysers.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.5km az=141.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109141957A. Moment Tensor Solution. s34,c44; s65,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.01±.17 $M_{\theta\theta}$-1.03±.13; $M_{\phi\phi}$-0.97±.12; $M_{r\theta}$-0.25±.15; $M_{\theta\phi}$-1.53±.07; $M_{\phi r}$-1.58±.13; Best double couple: NP1:ϕ_s68.00000°,δ35.00000° ,λ129.00000°. NP2:ϕ_s204.00000°,δ64.00000°,λ67.00000°. Principal axes:
T 2.7340,Plg64.0000°,Azm75.0000°; N 0.1580,Plg21.0000°,Azm215.0000°
; P -2.8910,Plg15.0000°,Azm311.0000° M_o2.81300×10^{16}
IDC Error ellipse: s-maj=12.5km s-min=9.2km az=141.0.
ISC IX 14 20 07 47.2–1.4 53.74N–.04 161.24E–.05 16–9 3.6b 72 1-87
KRSC IX 14 20 07 48.5–1.2 53.66N 161.41E 41–20 4.1L **¶621076028**
IDC IX 14 20 07 54.0–1.5 53.71N 161.13E 75–14 3.6,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=11.7km az=169.0.
ISC IX 15 17 00 35.2–.66 53.67N–.04 161.36E–.04 42–7 4.0b,3.2s 170 1-143
KRSC IX 15 17 00 31.3–1.1 53.63N 161.44E 40–17 4.4L,3.2s **¶621079016**
MOS IX 15 17 00 33.8–.74 53.67N 161.36E 39 4.0b,3.2s
IDC IX 15 17 00 36.3–.75 53.88N 161.13E 48–7 3.9,3.6b
NEIC IX 15 17 00 36.0–1.9 53.9N–.10 161.0E–.10 45–5 4.3b,3.6b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 22 03 08.7–.81 55.69N–.03 163.59E–.03 13–4 4.5b,3.6s 338 1-145
IDC X 01 22 03 07.0–.58 55.76N 163.39E 0 4.5L,4.1 **¶621116389**
MOS X 01 22 03 07.6–.82 55.65N 163.80E 58 4.6b,4.1
KRSC X 01 22 03 07.5–1.4 55.65N 163.88E 59–25 4.8,4.6L
NEIC X 01 22 03 08.9–1.6 55.80N–.10 163.4E–.20 10–1 4.5b,4.6L
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 18 28 13.6–.61 54.70N–.03 163.51E–.03 42–5 4.1b,3.5s 298 1-144
IDC IX 28 18 28 09.1–.64 54.89N 163.18E 0 4.2L,3.9 **¶621112332**
NEIC IX 28 18 28 09.9–1.5 54.8N–.10 163.3E–.10 10–1 4.2b,3.9
KRSC IX 28 18 28 09.7–1.3 54.69N 163.49E 61–24 4.2L,3.9
MOS IX 28 18 28 12.3–.96 54.71N 163.43E 60 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=11.8km az=149.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=10.5km az=164.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
MOS Error ellipse: s-maj=6.0km s-min=4.5km az=95.7.
ISC X 16 11 55 49.8–2.0 53.71N–.04 162.00E–.06 6–13 3.8b 96 1-87
MOS X 16 11 55 48.2–.81 53.66N 162.24E 11 3.5b **¶621204790**
IDC X 16 11 55 48.7–1.0 53.66N 162.28E 0 4.1s,3.7
NEIC X 16 11 55 49.7–.73 53.2N–.20 162.4E–.10 10–1 4.1b,3.7
KRSC X 16 11 55 50.7–1.2 53.74N 161.98E 22–16 3.9L,3.7
ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=5.1km az=99.9.
IDC Error ellipse: s-maj=82.5km s-min=14.2km az=166.0.
NEIC Event type se. Error ellipse: s-maj=42.1km s-min=10.1km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
ISC X 26 13 07 51.7–.69 52.55N–.03 159.40E–.04 48–6 4.4b,3.2s 295 1-144
KRSC X 26 13 07 50.6–1.0 52.53N 159.43E 55–12 4.4L,3.2s **¶621240765**
MOS X 26 13 07 51.4–.95 52.54N 159.28E 62 4.6b,3.2s
GFZ X 26 13 07 53.5–.59 53N–5.0 159E–5.0 59–5 7.2b,7.2
NEIC X 26 13 07 53.8–1.7 52.66N–.09 159.3E–.10 64–6 4.5b,7.2
IDC X 26 13 07 55.5–1.1 52.69N 159.12E 82–8 4.0,3.7b
ISC Event type se.
KRSC Event type se. Felt [IV] at lighthouse Petropavlovskiy; [II] at Petropavlovsk; Felt at Elizovo.
MOS Error ellipse: s-maj=8.2km s-min=3.4km az=85.8.
GFZ Error ellipse: s-maj=12.5km s-min=8.6km az=121.9.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.1km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.4km s-min=11.0km az=132.0.
ISC X 25 09 05 49.5–3.9 53.33N–.04 163.46E–.04 18–21 4.1b 219 2-85
KRSC X 25 09 05 50.3–2.1 53.40N 163.33E 70–25 4.6L **¶621239099**
NEIC X 25 09 05 53.1–1.2 53.2N–.10 163.40E–.10 39–7 4.2b
IDC X 25 09 05 53.3–2.1 53.17N 163.29E 46–19 4.2L,3.9
MOS X 25 09 05 53.5–.85 53.48N 163.14E 73 4.1b,3.9
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.3km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=14.3km az=173.0.
MOS Error ellipse: s-maj=6.1km s-min=4.5km az=102.9.
ISC X 16 13 49 24.2–2.0 53.71N–.06 162.18E–.06 9–12 4.1s,3.7b 63 1-77
IDC X 16 13 49 23.1–.80 53.82N 162.24E 0 3.7,3.6b **¶621204791**
KRSC X 16 13 49 23.5–1.4 53.68N 162.29E 47–19 4.1L,3.6b

ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=12.6km az=161.0.
KRSC Event type se.
ISC X 27 00 57 01.4–.83 52.45N–.03 159.17E–.04 52–7 3.6b 148 0-79
KRSC X 27 00 57 01.2–.91 52.47N 159.17E 57–10 4.2L ¶621242644
MOS X 27 00 57 01.1–.84 52.38N 159.18E 56 3.8b
IDC X 27 00 57 05.2–1.2 52.65N 158.75E 90–8 3.7,3.3b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=11.4km s-min=3.9km az=86.3.
IDC Error ellipse: s-maj=22.0km s-min=17.2km az=147.0.
ISC XI 01 02 18 57.9–2.0 54.26N–.03 163.05E–.03 26–14 4.2b 240 1-77
IDC XI 01 02 18 56.1–1.1 54.63N 162.68E 0 4.0b,4.0 ¶621252703
KRSC XI 01 02 18 56.3–1.4 54.26N 163.01E 67–23 4.3L,4.0
NEIC XI 01 02 18 57.3–1.6 54.57N–.06 162.7E–.20 10–1 4.3b,4.0
MOS XI 01 02 18 59.2–.85 54.30N 162.85E 61 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=13.9km az=148.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.1km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.8km s-min=4.5km az=96.2.
ISC XI 05 12 12 11.7–.86 52.65N–.03 161.00E–.03 25–5 4.5b,3.8s 430 1-89
KRSC XI 05 12 12 07.9–1.8 52.55N 161.25E 16–25 4.9L,3.8s ¶621366510
MOS XI 05 12 12 07.3–1.3 52.48N 161.16E 10 4.8b,3.8s
IDC XI 05 12 12 08.3–.55 52.74N 160.85E 0 4.6L,4.3
NEIC XI 05 12 12 14.3–1.1 52.8N–.10 160.7E–.10 39–7 4.5b,4.3
GFZ XI 05 12 12 17.2–.31 53N–6.0 161E–4.0 47 5.9,5.8
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC XI 01 01 14 20.4–.93 52.59N–.04 159.66E–.04 44–8 4.0b 161 1-87
KRSC XI 01 01 14 19.7–.59 52.59N 159.73E 45–7 4.2L ¶621244951
MOS XI 01 01 14 20.3–.83 52.59N 159.61E 56 4.8b
NEIC XI 01 01 14 21.9–1.7 52.73N–.09 159.6E–.10 52–6 4.3b
IDC XI 01 01 14 23.9–1.6 52.70N 159.40E 74–11 3.9,3.5b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=10.6km s-min=5.7km az=90.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.1km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=16.6km az=176.0.
ISC XI 05 12 44 34.0–1.4 52.82N–.04 161.19E–.03 5–8 4.3b,3.5s 255 1-87
NEIC XI 05 12 44 34.2–1.3 52.7N–.10 161.1E–.10 7–2 4.5b,3.5s ¶621366511
IDC XI 05 12 44 34.7–.64 52.78N 160.87E 0 4.2L,4.0b
KRSC XI 05 12 44 35.4–2.0 52.57N 161.22E 40–25 4.3L,4.0b
MOS XI 05 12 44 36.3–.80 52.46N 161.23E 46 4.5b,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=8.8km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=10.6km az=169.0.
KRSC Event type se.
MOS Error ellipse: s-maj=6.5km s-min=3.6km az=103.4.
ISC XI 07 17 28 03.7–4.0 52.85N–.04 162.52E–.05 17–25 4.2b,3.0s 213 2-143
IDC XI 07 17 28 01.8–.67 52.97N 162.50E 0 3.9L,3.9 ¶621372481
NEIC XI 07 17 28 03.1–2.3 52.8N–.10 162.56E–.03 10–1 4.3b,3.9
KRSC XI 07 17 28 03.8–1.3 52.90N 162.49E 60–27 4.8L,3.9
MOS XI 07 17 28 04.8–.66 52.87N 162.59E 41 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=12.7km az=169.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=2.9km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=4.2km az=110.4.
ISC XI 06 09 37 25.1–.39 53.59N–.03 162.28E–.03 29–2 4.4b,3.6s 436 1-143
KRSC XI 06 09 37 21.7–1.3 53.49N 162.45E 60–28 4.4L,3.6s ¶621370928
NEIC XI 06 09 37 22.7–1.0 53.65N–.09 162.4E–.10 10–1 4.5b,3.6s
MOS XI 06 09 37 25.9–.95 53.61N 162.14E 53 4.5b,3.6s
GFZ XI 06 09 37 26.8–.51 54N–4.0 162E–4.0 30–3 4.5,4.5b
IDC XI 06 09 37 27.3–.54 53.76N 161.94E 36–3 4.2,3.9b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=10.4km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=5.9km s-min=3.7km az=91.1.
GFZ Error ellipse: s-maj=10.7km s-min=6.3km az=142.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.1km s-min=9.1km az=161.0.
ISC XI 08 22 37 54.9–1.6 52.71N–.05 160.10E–.05 16–10 65 0-71
IDC XI 08 22 37 53.5–1.7 53.94N 159.77E 0 3.4b,3.4 ¶621385320
KRSC XI 08 22 37 55.1–1.1 52.73N 160.19E 41–11 4.0L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=19.4km az=148.0.
KRSC Event type se.
ISC XI 11 02 25 03.5–.47 53.70N–.03 161.01E–.03 43–3 4.5b,3.5s 438 1-143
KRSC XI 11 02 25 02.2–.96 53.68N 161.10E 41–17 4.9L,3.5s ¶621392745
MOS XI 11 02 25 04.6–1.0 53.73N 160.82E 68 4.7b,3.5s
NEIC XI 11 02 25 05.9–1.8 54.0N–.10 160.7E–.10 52–7 4.6b,3.5s
IDC XI 11 02 25 06.7–1.8 53.95N 160.58E 65–17 4.3,3.9b
ISC Event type se.
KRSC Event type se. Felt [IV-V] at kordon Semyachik; [I-II] at Petropavlovsk.
MOS Error ellipse: s-maj=6.7km s-min=3.2km az=83.3.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=9.1km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.4km s-min=11.2km az=148.0.
ISC XII 31 07 54 01.7–1.9 55.18N–.03 163.38E–.03 17–12 4.1b,3.6s 182 1-145
IDC XII 31 07 53 59.2–.70 55.26N 163.30E 0 4.1L,4.1 ¶621657684
NEIC XII 31 07 54 01.7–1.2 55.3N–.10 163.3E–.10 10–1 4.2b,4.1
KRSC XII 31 07 54 01.2–1.1 55.16N 163.50E 56–22 4.6L,4.1
MOS XII 31 07 54 03.5–.68 55.21N 163.39E 50 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=11.6km az=138.0.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=12.7km az=343.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
MOS Error ellipse: s-maj=7.0km s-min=5.3km az=80.8.
ISC XI 09 01 44 21.4–1.5 51.34N–.09 161.01E–.07 35 3.5b 38 2-71
IDC XI 09 01 44 18.0–2.7 51.50N 161.40E 0 3.5b,3.4 ¶621385900
KRSC XI 09 01 44 18.3–1.7 51.38N 161.05E 54–32 3.7L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=98.0km s-min=21.0km az=22.0.
KRSC Event type se.
KRSC XII 08 18 30 08.4–1.1 51.26N 160.88E 48–23 3.6L
¶621624227
KRSC Event type se.
ISC XII 19 12 59 27.9–1.3 52.27N–.07 161.16E–.06 10 3.6b,3.3s 47 1-70
IDC XII 19 12 59 23.7–2.5 51.39N 161.07E 0 3.7b,3.7 ¶621633837
KRSC XII 19 12 59 30.1–2.3 52.17N 161.01E 17–27 3.9L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=78.3km s-min=32.8km az=31.0.
KRSC Event type se.
ISC XI 21 11 32 20.4–1.3 52.02N–.05 159.37E–.06 43–13 3.7b 92 1-135
KRSC XI 21 11 32 18.6–.90 52.04N 159.39E 59–13 4.3L ¶621428063
MOS XI 21 11 32 19.9–.75 52.04N 159.33E 53 4.1b
IDC XI 21 11 32 23.7–3.0 52.14N 159.22E 74–27 3.8,3.5b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=12.3km s-min=4.5km az=94.6.
IDC Error ellipse: s-maj=32.6km s-min=26.5km az=139.0.

(220) Northwest of Kuril Islands.

ISC VII 02 13 35 21.3–.62 52.38N–.09 153.51E–.08 447 3.6b 63 2-97
NEIC VII 02 13 35 22.1–.91 52.4N–.10 153.2E–.20 446–10 4.3b ¶620733291
IDC VII 02 13 35 22.3–1.2 52.51N 153.53E 458–23 3.8,3.0b
KRSC VII 02 13 35 22.8–1.8 52.24N 154.04E 464–23 4.2L,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=6.1km az=144.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.3km s-min=16.6km az=76.0.
KRSC Event type se.
KRSC VIII 09 14 43 15.0–1.7 51.35N 154.37E 524–20 3.7L
¶625368110
KRSC Event type se.
KRSC VIII 07 14 24 21.9–2.1 51.77N 153.94E 438–22 3.7L
¶620976265
KRSC Event type se.
ISC VII 21 02 41 18.3–.91 48.2N–.20 148.8E–.10 400 3.0b 8 6-79
IDC VII 21 02 41 17.6–1.8 48.39N 148.54E 381–25 3.6,2.8b ¶620961623
ISC Event type se.
IDC Error ellipse: s-maj=47.7km s-min=22.2km az=142.0.
ISC IX 12 02 32 25.8–.25 47.13N–.03 146.84E–.03 364–1 5.0b 1507 2-154
BGR IX 12 02 31 52.0 47.34N 146.98E 375–0 5.9,5.7b ¶621070396
BJI IX 12 02 32 23.2 47.08N 146.74E 347 5.5b,5.3b
JMA IX 12 02 32 24.4–.38 47N–2.0 147E–3.0 399 5.3W,5.2
NIED IX 12 02 32 24.4 46.52N 147.25E 399 5.4W,5.2
MOS IX 12 02 32 24.4–.86 47.14N 146.81E 362 5.3b,3.7s
SKHL IX 12 02 32 24.4–.30 47.00N 147.00E 362–6 5.9b,5.9
NEIC IX 12 02 32 25.6–1.9 47.19N–.08 146.8E–.10 358–4 5.4,5.0b
GFZ IX 12 02 32 25.5–.33 47N–4.0 147E–4.0 355–4 5.2b,5.1b
IDC IX 12 02 32 25.8–.58 47.26N 146.74E 362–5 5.4,4.7b
NEIC IX 12 02 32 26.3 47.18N 146.77E 366 5.4,4.7b
NEIC IX 12 02 32 26.9 47.29N 146.91E 370 5.3,4.7b
NEIC IX 12 02 32 26.4 47.19N 146.76E 367 5.3,4.7b
GCMT IX 12 02 32 28.0–.20 47.10N–.02 146.62E–.04 361–1 5.4W,4.7b
KEA IX 12 02 32 32.8 46.52N 147.66E 507 5.1s,4.7b
ISC Event type ke.
BGR Event type ke.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.47 $M_{\theta\theta}$0.66 $M_{\phi\phi}$-0.19 $M_{r\theta}$-0.44 $M_{\theta\phi}$0.51 $M_{\phi r}$-1.04 NP1:ϕ_s279.00000°,δ30.00000°,λ-23.00000°. NP2:ϕ_s30.00000° ,δ79.00000°,λ-118.00000°. M_o1.37000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=3.9km az=109.3.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.5km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.57 $M_{\theta\theta}$0.37 $M_{\phi\phi}$0.20 $M_{r\theta}$-0.66 $M_{\theta\phi}$0.11 $M_{\phi r}$-1.17 NP1:ϕ_s241.84000°,δ10.79000°,λ-60.25000°. NP2:ϕ_s31.65000°,δ80.65000° ,λ-95.40000°. Principal axes: T 1.3112,Plg35.0000°,Azm126.0000°; N 0.2284,Plg5.0000° ,Azm33.0000°; P -1.5396,Plg54.0000°,Azm295.0000° M_o1.44000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=6.3km s-min=5.7km az=151.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-0.14 $M_{r\theta}$-0.45 $M_{\theta\phi}$0.02 $M_{\phi r}$-1.13 NP1:ϕ_s295.82000°,δ6.09000° ,λ3.12000°. NP2:ϕ_s202.72000°,δ89.67000°,λ96.08000°. Principal axes: T 1.1606,Plg45.0000°,Azm119.0000°; N 0.1310,Plg6.0000°,Azm23.0000° ; P -1.2916,Plg44.0000°,Azm287.0000° M_o1.23000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109120232A. Moment Tensor Solution. s92,c148;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.03 $M_{\theta\theta}$0.43±.04; $M_{\phi\phi}$-0.20±.04; $M_{r\theta}$-0.70±.04; $M_{\theta\phi}$0.30±.04; $M_{\phi r}$-1.14±.03; Best double couple: NP1:ϕ_s287.00000°,δ18.00000°,λ-17.00000°. NP2:ϕ_s33.00000° ,δ85.00000°,λ-107.00000°. Principal axes: T 1.4400,Plg38.0000°,Azm138.0000° ; N -0.0330,Plg17.0000°,Azm34.0000°; P -1.4060,Plg47.0000°,Azm285.0000° M_o1.42300×10^{17}
ISC IX 02 20 26 15.5–.23 50.35N–.03 150.69E–.03 438–1 5.2b 1301 3-155
BGR IX 02 20 25 35.1 50.42N 150.19E 33 5.1b ¶621023958
BJI IX 02 20 26 13.8 50.24N 150.59E 431 5.1b,5.0b
NIED IX 02 20 26 13.8 49.57N 151.88E 435 5.4W,5.0b
KRSC IX 02 20 26 13.7–1.5 50.10N 151.37E 474–39 5.9L,5.0b
JMA IX 02 20 26 13.8–.77 50N–4.0 152E–7.0 435 5.6,5.1
MOS IX 02 20 26 14.4–.77 50.40N 150.63E 437 4.9b,5.1
SKHL IX 02 20 26 14.5–.10 50.20N 150.90E 446–11 5.9b,5.9
GFZ IX 02 20 26 15.2–.37 50N–4.0 151E–4.0 426–6 5.3b,4.9
IDC IX 02 20 26 16.3–.35 50.43N 150.56E 438–3 5.4,4.5b
NEIC IX 02 20 26 16.2–1.6 50.46N–.06 150.54E–.10 441–4 5.3b,5.3
GCMT IX 02 20 26 18.2–.30 50.32N–.03 150.74E–.05 440–2 5.3W,5.3
ISC Event type ke.
BGR Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07 $M_{\theta\theta}$0.52 $M_{\phi\phi}$-0.45 $M_{r\theta}$-0.29 $M_{\theta\phi}$-0.14 $M_{\phi r}$-1.32 NP1:ϕ_s325.00000°,δ6.00000°,λ40.00000°. NP2:ϕ_s195.00000° ,δ86.00000°,λ95.00000°. M_o1.36000×10^{17}
KRSC Event type se.
JMA Event type ke. KURILE ISLANDS REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202109022026A. Moment Tensor Solution. s78,c128;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.02 $M_{\theta\theta}$0.46±.03; $M_{\phi\phi}$-0.19±.03; $M_{r\theta}$0.85±.03; $M_{\theta\phi}$-0.03±.03; $M_{\phi r}$-0.57±.03; Best double couple: NP1:ϕ_s59.00000°,δ17.00000°,λ-153.00000°. NP2:ϕ_s302.00000° ,δ82.00000°,λ-75.00000°. Principal axes: T 1.1110,Plg36.0000°,Azm19.0000° ; N -0.0330,Plg15.0000°,Azm120.0000°; P -1.0770,Plg50.0000°,Azm229.0000° M_o1.09400×10^{17}
ISC X 05 23 45 00.7–.76 47.40N–.07 146.38E–.10 450 3.2b 26 2-72
IDC X 05 23 44 50.1–15 47.65N 146.47E 327–141 3.8,3.1b ¶621203198
SKHL X 05 23 45 02.5–.40 47.40N 146.70E 424–3 4.5b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=76.9km s-min=18.7km az=79.0.
ISC IX 16 06 28 05.1–.36 52.56N–.04 152.95E–.04 513–4 4.5b 668 2-148
KRSC IX 16 06 28 02.6–2.2 52.39N 153.20E 532–31 4.9L ¶621079071
BJI IX 16 06 28 03.4 52.50N 153.00E 519 4.8b,4.8b
NEIC IX 16 06 28 04.7–1.3 52.67N–.09 152.8E–.10 501–6 4.5b,4.8b
MOS IX 16 06 28 04.0–.81 52.64N 152.85E 509 4.4b,4.8b
GFZ IX 16 06 28 05.2–.33 53N–5.0 153E–4.0 501–4 4.9b,4.7b
IDC IX 16 06 28 05.5–.48 52.69N 152.74E 510–5 4.8,3.9b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.9km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.2km s-min=5.0km az=67.5.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=7.1km s-min=6.0km az=135.0.
ISC IX 13 23 24 19.2–.71 47.8N–.10 146.7E–.10 450 3.4b 24 5-81
IDC IX 13 23 24 18.2–1.6 47.87N 146.69E 432–18 3.9,3.1b ¶621109730
ISC Event type se.

IDC Error ellipse: s-maj=15.5km s-min=12.7km az=157.0.
ISC IX 21 16 41 49.8–.58 51.82N–.09 152.65E–.07 500 3.8b 105 2-77
MOS IX 21 16 41 45.8–.62 50.62N 155.17E 566 4.1b **¶621116039**
KRSC IX 21 16 41 49.8–.86 51.58N 153.45E 516–16 4.2L
NEIC IX 21 16 41 50.7–.74 52.3N–.20 152.1E–.20 477–11 4.1b
IDC IX 21 16 41 51.1–2.2 52.47N 152.00E 472–32 3.9,3.1b
ISC Event type se.
MOS Error ellipse: s-maj=17.9km s-min=9.4km az=62.3.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=14.7km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=93.8km s-min=18.5km az=160.0.
ISC IX 28 13 43 51.8–.55 49.37N–.10 149.54E–.09 400 3.9b 49 5-84
IDC IX 28 13 43 53.0–2.0 49.38N 149.58E 420–23 3.8,3.0b **¶621140834**
NEIC IX 28 13 43 53.5–.88 49.5N–.10 149.6E–.20 419–9 4.2b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 09 07 19 27.3–.23 49.95N–.03 149.96E–.03 449–1 5.3b 2066 4-157
BGR X 09 07 18 39.9 48.99N 149.96E 33 5.8b **¶621143711**
KRSC X 09 07 19 23.5–1.5 49.73N 150.13E 456–24 6.2L
NIED X 09 07 19 24.3 49.22N 150.91E 496 5.7W
BJI X 09 07 19 25.3 49.86N 149.89E 441 5.4b,5.3b
MOS X 09 07 19 25.6–.80 49.96N 149.96E 445 5.4b,5.3b
SKHL X 09 07 19 25.1–.30 49.80N 150.30E 480–20 6.6s,6.5
PTWC X 09 07 19 26 49.90N 150.10E 446 5.7,6.5
GFZ X 09 07 19 26.7–.30 50N–2.0 150E–2.0 433–3 5.6b,5.5
IDC X 09 07 19 27.5–.33 50.01N 149.85E 445–3 5.6,4.7b
NEIC X 09 07 19 27.7–1.5 50.04N–.09 149.9E–.10 448–5 5.5b,4.7b
NEIC X 09 07 19 27.4 50.05N 149.84E 442 5.5b,4.7b
GCMT X 09 07 19 27.9–.10 49.96N–.02 149.90E–.02 446–1 5.6W,4.7b
GFZ X 09 07 19 28.2 50.00N 149.81E 451 5.6W,4.7b
NEIC X 09 07 19 28 49.75N 150.15E 450 5.6,4.7b
ISC Event type ke.
BGR Event type ke.
KRSC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.43 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$3.20 $M_{r\theta}$1.63 $M_{\theta\phi}$-0.46 $M_{\phi r}$2.09 NP1:ϕ_s327.00000°,δ35.00000°,λ-139.00000°. NP2:ϕ_s202.00000° ,δ68.00000°,λ-62.00000°. M_o3.95000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=59.1.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=6.2km s-min=4.5km az=141.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=12.0km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202110090719A. Moment Tensor Solution. s126,c222;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79±.04 $M_{\theta\theta}$-0.70±.06; $M_{\phi\phi}$1.49±.06; $M_{r\theta}$-1.90±.06; $M_{\theta\phi}$-2.78±.05; $M_{\phi r}$0.34±.06; Best double couple: NP1:ϕ_s9.00000°,δ55.00000°,λ-10.00000°. NP2:ϕ_s105.00000° ,δ82.00000°,λ-145.00000°. Principal axes: T 3.8090,Plg17.0000°,Azm232.0000° ; N -0.4050,Plg54.0000°,Azm116.0000°; P -3.4020,Plg30.0000°,Azm332.0000° M_o3.60600×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.34 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.95 $M_{r\theta}$-1.32 $M_{\theta\phi}$-2.35 $M_{\phi r}$0.16 NP1: ϕ_s100.78813°,δ85.29080°,λ-151.13811°. NP2:ϕ_s8.19728°,δ61.24466°,λ-5.37345°. Principal axes: T 2.9116,Plg16.3865°,Azm230.9908°; N -0.1753,Plg60.7891°,Azm109.2603° ; P -2.7363,Plg23.4670°,Azm328.3252° M_o2.82807×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$0.86 $M_{r\theta}$-1.34 $M_{\theta\phi}$-2.17 $M_{\phi r}$0.46 NP1:ϕ_s5.19000°,δ54.04000° ,λ-10.48000°. NP2:ϕ_s101.38000°,δ81.54000°,λ-143.59000°. Principal axes: T 3.0008,Plg18.0000°,Azm228.0000°; N -0.7051,Plg53.0000°,Azm113.0000° ; P -2.2957,Plg31.0000°,Azm330.0000° M_o2.72000×10^{17}
ISC XI 11 00 47 55.0–4.7 50.4N–.80 150.2E–.10 522 3.4b 11 5-74
IDC XI 11 00 47 55.9–3.7 50.71N 150.03E 504–34 3.8,3.0b **¶621449494**
ISC Event type se.
IDC Error ellipse: s-maj=108.8km s-min=17.5km az=173.0.
ISC X 24 14 05 26.7–.83 49.5N–.10 151.66E–.09 300 3.8b 76 3-74
IDC X 24 14 04 54.3–1.3 49.00N 151.33E 0 4.1s,3.7b **¶621238540**
MOS X 24 14 05 21.4–.66 48.44N 152.67E 368 3.9b,3.7b
NEIC X 24 14 05 25.1–.38 49.4N–.20 151.4E–.20 285–7 4.0b,3.7b
KRSC X 24 14 05 26.5–1.7 48.63N 153.64E 369–14 4.3L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=30.9km az=86.0.
MOS Error ellipse: s-maj=28.2km s-min=7.4km az=65.3.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=12.9km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
ISC XI 24 15 18 34.4–.40 52.38N–.06 152.86E–.06 500 4.1b 180 3-148
MOS XI 24 15 18 31.4–1.2 51.97N 153.49E 542 4.4b **¶621465206**
NEIC XI 24 15 18 33.6–1.6 52.5N–.10 152.6E–.20 477–8 4.2b
KRSC XI 24 15 18 34.4–2.7 51.88N 154.74E 548–36 4.5L
IDC XI 24 15 18 34.0–1.1 52.48N 152.64E 480–13 4.1,3.2b
ISC Event type se.
MOS Error ellipse: s-maj=16.3km s-min=8.0km az=63.7.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.6km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=9.7km az=123.0.
ISC XI 13 10 21 11.2–.62 49.15N–.09 152.99E–.09 200 3.5b 87 3-74
SKHL XI 13 10 21 10.5–.10 48.90N 153.00E 187–4 5.2,4.7b **¶621402730**
MOS XI 13 10 21 12.1–1.3 49.35N 152.76E 229 3.9b,4.7b
IDC XI 13 10 21 14.6–1.9 49.45N 152.60E 228–19 3.7,3.1b
KRSC XI 13 10 21 14.0–1.8 49.01N 153.98E 232–17 4.2L,3.1b
ISC Event type se.
MOS Error ellipse: s-maj=22.6km s-min=4.9km az=61.0.
IDC Error ellipse: s-maj=24.5km s-min=12.9km az=122.0.
KRSC Event type se.
ISC XII 09 08 11 09.1–.80 47.6N–.10 147.4E–.10 350 3.2b 15 5-80
IDC XII 09 08 11 09.2–2.2 47.60N 147.36E 350–26 3.6,2.9b **¶621636565**
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=17.1km az=159.0.
ISC XII 05 06 32 54.9–.71 47.65N–.07 146.92E–.09 450 3.2b 20 3-81
SKHL XII 05 06 32 55.2–.90 47.60N 147.00E 452–8 4.6,4.4b **¶621631232**
IDC XII 05 06 32 56.4–2.6 48.12N 146.63E 455–33 3.6,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=14.7km az=170.0.
ISC XII 15 06 14 21.0–.59 49.19N–.06 151.41E–.06 299–6 4.1b 191 3-149
SKHL XII 15 06 14 19.8–.10 49.00N 151.50E 320–5 5.3,4.9b **¶621631000**
KRSC XII 15 06 14 20.5–3.1 48.85N 152.55E 373–35 4.7L,4.9b
MOS XII 15 06 14 21.2–.85 49.36N 151.28E 308 4.0b,4.9b
NEIC XII 15 06 14 22.1–1.6 49.4N–.10 151.1E–.20 298–4 4.2b,4.9b
IDC XII 15 06 14 23.4–1.2 49.48N 151.21E 309–12 4.3,3.6b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=13.1km s-min=5.2km az=59.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=9.0km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.9km s-min=8.4km az=149.0.
ISC XII 29 14 00 47.8–.34 51.68N–.03 153.00E–.03 417–3 4.7b 1022 2-157
KRSC XII 29 14 00 44.0–1.9 51.33N 153.20E 440–24 5.6L **¶625562035**
BJI XII 29 14 00 44.0 51.80N 152.80E 390 5.1b,5.0b
MOS XII 29 14 00 46.6–.74 51.63N 153.07E 425 4.9b,5.0b
IDC XII 29 14 00 48.1–.45 51.78N 152.89E 416–4 5.1,4.3b
GFZ XII 29 14 00 48.5–.36 52N–4.0 153E–4.0 411–4 5.2b,5.0b
NEIC XII 29 14 00 48.3–1.4 51.77N–.09 152.8E–.10 415–5 4.7b,5.0b
ISC Event type se.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 16 37 56.4–.60 52.62N–.09 153.48E–.08 450 3.4b 45 2-148
KRSC XII 17 16 37 55.5–1.7 52.17N 154.56E 502–27 4.0L **¶621633470**
IDC XII 17 16 37 57.9–1.3 52.69N 153.34E 466–15 3.8,3.0b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=11.5km az=166.0.

(221) Kuril Islands.

ISC VII 01 00 10 52.5–1.2 44.40N–.06 148.41E–.07 44–11 3.6b,3.0s 78 1-82
IDC VII 01 00 10 47.1–.76 44.60N 148.30E 0 3.7b,3.6 **¶620669121**
MOS VII 01 00 10 52.2–1.2 44.52N 148.43E 57 3.9b,3.6
JMA VII 01 00 10 53.7–.32 44N–2.0 148E–2.0 40 4.7,3.6
SKHL VII 01 00 10 53.0–.10 44.40N 148.50E 49–5 5.3b,3.6
NIED VII 01 00 10 54.2 44.09N 148.38E 49 3.8W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=10.9km az=156.0.
MOS Event type fe. Error ellipse: s-maj=11.3km s-min=9.9km az=83.9. Felt (II-III) at Reydovo. Moment Tensor Solution.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.94 $M_{\theta\theta}$1.54 $M_{\phi\phi}$-3.48 $M_{r\theta}$-0.12 $M_{\theta\phi}$-1.81 $M_{\phi r}$3.58 NP1:ϕ_s235.00000°,δ31.00000°,λ148.00000°. NP2:ϕ_s353.00000° ,δ74.00000°,λ63.00000°. M_o4.85000×10^{14}
ISC VII 01 08 51 29.8–.51 44.54N–.04 147.39E–.05 133–4 4.2b 234 1-152
MOS VII 01 08 51 29.7–.95 44.51N 147.32E 144 4.3b **¶620673299**
SKHL VII 01 08 51 30.2–.10 44.50N 147.50E 137–6 5.9,5.3b
NEIC VII 01 08 51 30.2–1.8 44.58N–.09 147.4E–.10 129–7 4.5b,5.3b
JMA VII 01 08 51 30.6–.31 44N–1.0 147E–2.0 134 4.2,5.3b
NIED VII 01 08 51 30.5 44.28N 147.45E 140 4.2W,5.3b
IDC VII 01 08 51 30.7–.81 44.57N 147.25E 137–6 4.2,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=9.7km s-min=6.7km az=103.7.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=12.5km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR ETOROFU ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.83 $M_{\theta\theta}$1.02 $M_{\phi\phi}$-0.19 $M_{r\theta}$1.42 $M_{\theta\phi}$0.45 $M_{\phi r}$0.74 NP1:ϕ_s86.00000°,δ17.00000°,λ-67.00000°. NP2:ϕ_s243.00000° ,δ74.00000°,λ-97.00000°. M_o1.89000×10^{15}
IDC Error ellipse: s-maj=12.2km s-min=9.0km az=169.0.
ISC VII 01 10 10 30.4–.47 46.78N–.06 153.23E–.06 56 4.3b,3.2s 151 4-154
SKHL VII 01 10 10 29.0–.10 46.70N 153.40E 63–6 5.0b,3.2s **¶620673302**
MOS VII 01 10 10 30.4–1.1 46.94N 153.04E 66 4.4b,3.2s
NEIC VII 01 10 10 30.5–2.1 47.1N–.10 152.9E–.10 35–1 4.3b,3.2s
IDC VII 01 10 10 33.1–2.5 47.01N 152.98E 72–22 4.1,3.7b
JMA VII 01 10 10 35.7–.65 46N–3.0 153E–5.0 195 4.0,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC VII 02 04 09 32.5–.63 46.79N–.05 153.80E–.04 13–3 4.8b,4.0s 548 4-155
BJI VII 02 04 09 28.5 46.92N 154.05E 11 4.8b,4.7b **¶620682314**
NEIC VII 02 04 09 32.8–2.1 46.9N–.10 153.7E–.10 10–1 4.9b,4.7b
SKHL VII 02 04 09 33.0–.50 46.60N 154.20E 52–7 5.2b,5.2
GFZ VII 02 04 09 33.0–.30 47N–8.0 154E–4.0 10 4.8b,4.8
IDC VII 02 04 09 35.7–2.2 46.77N 153.75E 35–17 4.4,4.3b
MOS VII 02 04 09 35.1–1.1 46.78N 153.67E 45 5.0b,3.7s
JMA VII 02 04 09 37.7–.90 46N–4.0 154E–6.0 30 4.7,3.7s
GCMT VII 02 04 09 37.9–.40 46.84N–.04 154.04E–.04 22–1 4.8W,3.7s
BGR VII 02 04 09 44.9 47.92N 151.86E 33 4.8b,3.7s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=11.9km az=144.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=12.2km s-min=9.9km az=154.0.
MOS Error ellipse: s-maj=6.4km s-min=4.8km az=108.3.
JMA Event type ke. KURILE ISLANDS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107020409A. Moment Tensor Solution. s17,c18; s84,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.24±.17 $M_{\theta\theta}$-1.04±.11; $M_{\phi\phi}$-1.20±.10; $M_{r\theta}$-0.07±.19; $M_{\theta\phi}$-0.80±.06; $M_{\phi r}$0.65±.14; Best double couple: NP1:ϕ_s231.00000°,δ40.00000° ,λ106.00000°. NP2:ϕ_s31.00000°,δ52.00000°,λ77.00000°. Principal axes: T 2.3730,Plg78.0000°,Azm251.0000°; N -0.3980,Plg10.0000°,Azm39.0000° ; P -1.9750,Plg6.0000°,Azm130.0000° M_o2.17400×10^{16}
BGR Event type ke.
ISC VII 02 05 14 15.2–1.9 46.9N–.30 153.7E–.20 31 3.7b 8 7-77
IDC VII 02 05 14 17.6–5.2 46.97N 153.69E 52–42 3.6,3.4b **¶620927716**
ISC Event type se.
IDC Error ellipse: s-maj=53.5km s-min=27.6km az=158.0.
ISC VII 02 17 51 47.4–.84 46.7N–.10 153.79E–.10 25 4.0b 37 4-77
IDC VII 02 17 51 44.1–.85 46.72N 153.73E 0 3.8b,3.8 **¶620927767**
NEIC VII 02 17 51 45.9–1.0 46.8N–.10 153.7E–.20 10–1 4.0b,3.8
SKHL VII 02 17 51 46.3–.40 45.70N 154.40E 45–4 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=15.5km az=117.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=13.2km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 02 22 32 17.2–.85 46.7N–.10 153.7E–.10 24 3.7b 17 7-136
IDC VII 02 22 32 13.4–.83 46.67N 153.65E 0 3.6b,3.6 **¶620927772**
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=15.2km az=148.0.
ISC VII 02 22 32 40.6–.83 46.57N–.08 153.88E–.08 50 4.0b 62 4-136
IDC VII 02 22 32 34.9–.67 46.74N 153.59E 0 3.9b,3.9 **¶620927775**
SKHL VII 02 22 32 37.5–.10 46.40N 154.20E 51–8 4.6b,3.9
MOS VII 02 22 32 40.1–1.2 46.73N 153.66E 54 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=12.6km az=155.0.
MOS Error ellipse: s-maj=10.6km s-min=8.9km az=72.1.
ISC VII 04 11 55 32.5–1.3 46.2N–.20 153.3E–.10 35 3.7b,3.4s 27 4-139
IDC VII 04 11 55 29.9–1.3 46.97N 152.84E 0 3.7b,3.6 **¶620927872**
SKHL VII 04 11 55 35.9–.50 46.00N 153.20E 50–9 4.4b,3.6
JMA VII 04 11 55 38.5–.87 46N–5.0 153E–6.0 30 3.9,3.6
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
ISC VII 04 22 29 08.7–2.4 47.5N–.40 152.2E–.20 10 3.6b 8 7-78
IDC VII 04 22 29 07.3–2.0 47.66N 152.25E 0 3.5b,3.5 **¶620927909**
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=23.2km az=154.0.
ISC VII 06 07 40 31.7–3.7 43.5N–.10 147.5E–.10 14–25 25 1-3
SKHL VII 06 07 40 34.7–.20 43.50N 147.60E 49–2 4.7b **¶626094381**
JMA VII 06 07 40 36.0–.37 43.5N–.90 147E–2.0 70 3.5
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
KRSC VII 06 11 35 51.1–1.4 50.23N 157.41E 61–22 3.6L
¶620758221
KRSC Event type se.
KRSC VII 06 15 40 21.6–1.2 49.98N 156.83E 100–18 3.8L
¶620758222
KRSC Event type se.
ISC VII 06 15 53 29.0–.58 48.12N–.08 153.32E–.07 150 3.8b 93 3-81
SKHL VII 06 15 53 28.1–.20 48.10N 153.30E 98–7 5.4,4.8b **¶620928046**
MOS VII 06 15 53 28.3–1.4 48.23N 153.23E 157 4.2b,4.8b

NEIC VII 06 15 53 29.0–1.1 48.3N–.10 153.1E–.20 143–6 4.1b,4.8b
IDC VII 06 15 53 30.5–2.2 48.30N 153.17E 158–21 3.9,3.4b
ISC Event type se.
MOS Error ellipse: s-maj=13.6km s-min=7.8km az=55.9.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=11.8km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=11.7km az=155.0.
ISC VII 07 03 40 34.9–.65 47.2N–.10 152.38E–.08 100 3.9b 68 4-139
NEIC VII 07 03 40 36.9–.50 47.3N–.10 152.2E–.10 113–4 4.3b **¶620928079**
SKHL VII 07 03 40 37.3–.20 46.40N 152.90E 97–8 5.2,4.6b
IDC VII 07 03 40 38.9–3.6 47.29N 152.31E 136–33 3.9,3.4b
JMA VII 07 03 40 40.9–.72 46N–5.0 152E–6.0 125 3.4,3.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
JMA VII 07 04 43 30.1–.46 45N–2.0 146E–3.0 183 2.9
SKHL VII 07 04 43 29.5–.30 42.10N 148.10E 46–6 4.2b **¶626142475**
JMA Event type ke. NEAR KUNASHIRI ISLAND .
ISC VII 07 13 49 49.6–.73 43.01N–.07 147.07E–.06 36–2 4.1b 98 1-83
IDC VII 07 13 49 42.9–1.1 42.57N 147.07E 0 3.8b,3.7 **¶620758696**
NEIC VII 07 13 49 43.5–1.4 42.84N–.09 147.6E–.10 10–1 4.3b,3.7
JMA VII 07 13 49 50.1–.20 43.2N–.80 147E–1.0 53–2 3.8,3.7
SKHL VII 07 13 49 50.8–.50 43.20N 147.00E 43–3 5.2b,3.7
NIED VII 07 13 49 50.1 43.13N 146.95E 58 3.8W,3.7
MOS VII 07 13 49 50.8–.97 43.12N 146.87E 44 4.7b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=16.2km az=172.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=13.5km az=129.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HOKKAIDO .
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.71 $M_{\theta\theta}$-2.87 $M_{\phi\phi}$-1.84 $M_{r\theta}$3.48 $M_{\theta\phi}$-1.61 $M_{\phi r}$2.90 NP1:ϕ_s235.00000°,δ22.00000°,λ94.00000°. NP2:ϕ_s51.00000° ,δ68.00000°,λ88.00000°. M_o6.30000×10^{14}
MOS Error ellipse: s-maj=13.1km s-min=9.4km az=131.9.
ISC VII 07 20 01 42.8–3.6 44.79N–.09 146.7E–.20 192–21 23 1-4
SKHL VII 07 20 01 44.7–.40 44.80N 146.30E 176–4 4.6,4.0b **¶626094417**
JMA VII 07 20 01 44.0–.47 45N–2.0 147E–3.0 185 3.0,4.0b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
ISC VII 08 11 14 46.3–.90 48.3N–.10 154.7E–.10 50 3.7b 51 3-76
KRSC VII 08 11 14 42.5–1.0 48.06N 156.21E 40–24 3.9L **¶620928179**
SKHL VII 08 11 14 47.6–.40 48.60N 154.00E 135–5 4.9,4.3b
IDC VII 08 11 14 47.2–3.1 48.25N 154.80E 47–28 3.7,3.6s
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=20.7km az=157.0.
ISC VII 08 15 17 34.7–4.0 44.54N–.09 148.9E–.20 42 20 1-4
SKHL VII 08 15 17 37.1–.10 44.60N 148.70E 49–4 4.7b **¶626094456**
JMA VII 08 15 17 38.7–.81 44N–3.0 148E–5.0 0 3.9
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC VII 08 16 27 22.3–1.5 50.43N 156.96E 30–20 3.9L
¶620784559
KRSC Event type se.
ISC VII 09 00 30 16.5–.41 45.13N–.06 150.47E–.05 39 4.5b 243 2-152
IDC VII 09 00 30 11.5–.58 45.44N 150.33E 0 4.0b,4.0 **¶620783817**
NEIC VII 09 00 30 17.5–1.0 45.4N–.10 150.2E–.20 36–5 4.6b,4.0
SKHL VII 09 00 30 18.6–.10 45.10N 150.40E 84–5 5.9,5.5b
MOS VII 09 00 30 18.0–.92 45.28N 150.36E 67 4.6b,5.5b
JMA VII 09 00 30 20.5–.94 45N–4.0 150E–5.0 30 4.4,5.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC VII 09 10 04 00.9–1.0 48.2N–.10 155.2E–.10 50 4.1s,3.9b 73 3-100
MOS VII 09 10 03 53.6–1.0 47.59N 155.85E 61 4.2b,3.9b **¶620787324**
KRSC VII 09 10 03 59.2–2.8 48.29N 156.56E 8–57 4.1L,3.9b
IDC VII 09 10 04 02.3–1.2 49.01N 153.71E 0 3.8b,3.8
NEIC VII 09 10 04 05.0–1.1 48.8N–.10 154.1E–.10 49–8 4.1b,3.8
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 09 16 30 01.4–.96 46.5N–.10 150.7E–.10 150 3.3b 29 2-71
SKHL VII 09 16 30 01.6–.40 46.10N 151.10E 148–5 5.1,4.5b **¶620928273**
IDC VII 09 16 30 03.0–2.5 46.79N 150.59E 177–24 3.6,3.0b
JMA VII 09 16 30 07.3–.61 46N–3.0 150E–5.0 202 3.5,3.0b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
ISC VII 10 03 14 28.8–.57 49.24N–.05 155.57E–.05 67–4 4.5b 305 1-157
BJI VII 10 03 14 25.9 49.15N 155.62E 72 4.7b **¶620787259**
KRSC VII 10 03 14 26.8–2.2 49.18N 156.67E 16–37 5.2L,4.1
MOS VII 10 03 14 27.8–1.0 49.23N 155.49E 71 4.8b,4.1
NEIC VII 10 03 14 28.3–1.6 49.28N–.08 155.3E–.10 56–5 4.6b,4.1
IDC VII 10 03 14 32.4–1.6 49.35N 155.14E 97–14 4.3,4.3s
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=8.4km s-min=3.5km az=73.3.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.7km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.9km s-min=8.6km az=129.0.
ISC VII 10 08 53 35.0–.81 46.32N–.09 152.86E–.09 40 3.5b,3.2s 59 4-72
MOS VII 10 08 53 35.4–1.4 46.50N 152.75E 58 4.2b,3.2s **¶620787325**
SKHL VII 10 08 53 36.2–.70 46.40N 152.80E 76–4 4.7b,3.2s
IDC VII 10 08 53 39.1–2.6 46.49N 152.81E 71–23 3.7,3.3b
JMA VII 10 08 53 41.1–.73 46N–4.0 153E–5.0 120 3.6,3.3b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
ISC VII 10 10 57 21.6–.51 46.91N–.06 153.21E–.05 56 4.1b,3.2s 126 4-139
SKHL VII 10 10 57 20.3–.60 46.80N 153.40E 75–4 4.9b,3.2s **¶620787328**
MOS VII 10 10 57 21.1–.92 46.95N 153.03E 70 4.6b,3.2s
IDC VII 10 10 57 24.8–2.3 47.06N 152.88E 80–20 4.1,3.7b
NEIC VII 10 10 57 25.6–1.6 47.12N–.07 152.7E–.20 83–5 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC VII 11 00 15 07.0–3.1 49.14N 156.70E 14–48 3.8L
¶620787657
KRSC Event type se.
KRSC VII 11 16 27 18.6–2.6 49.71N 156.89E 16–40 4.0L
¶620787662
KRSC Event type se.
ISC VII 11 21 07 22.2–.39 46.39N–.04 151.75E–.04 78–2 4.7b 919 3-154
BGR VII 11 21 07 10.7 44.75N 151.17E 33 4.7b **¶620787485**
BJI VII 11 21 07 16.9 46.51N 152.18E 71 5.0b,4.8b
GFZ VII 11 21 07 18.8–.23 46N–4.0 152E–4.0 68 4.9,4.9b
NEIC VII 11 21 07 22.7–1.2 46.57N–.09 151.7E–.10 73–5 4.7b,4.9b
SKHL VII 11 21 07 23.3–.80 46.40N 152.00E 99–6 6.2,6.0b
MOS VII 11 21 07 23.2–.96 46.49N 151.72E 76 4.7b,6.0b
IDC VII 11 21 07 24.4–1.2 46.66N 151.61E 84–10 4.7,4.2b
GCMT VII 11 21 07 25.1–.20 46.57N–.02 151.89E–.02 74–3 4.9W,4.2b
NIED VII 11 21 07 26.9 45.77N 151.73E 152 4.9W,4.2b
JMA VII 11 21 07 26.9–.92 46N–3.0 152E–6.0 152 5.3,5.1
ISC Event type ke.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107112107A. Moment Tensor Solution. s40,c53; s113,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.32±.14 $M_{\theta\theta}$1.62±.12; $M_{\phi\phi}$-0.29±.12; $M_{r\theta}$-1.93±.07; $M_{\theta\phi}$0.83±.12; $M_{\phi r}$-1.96±.06; Best double couple: NP1:ϕ_s278.00000°,δ21.00000° ,λ-41.00000°. NP2:ϕ_s47.00000°,δ76.00000°,λ-106.00000°. Principal axes:
T 3.3640,Plg30.0000°,Azm150.0000°; N -0.2630,Plg16.0000°,Azm51.0000°
; P -3.0970,Plg56.0000°,Azm296.0000° M_o3.23100×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03 $M_{\theta\theta}$1.23 $M_{\phi\phi}$-1.21 $M_{r\theta}$-1.76 $M_{\theta\phi}$0.43 $M_{\phi r}$-1.26 NP1:ϕ_s312.00000°,δ30.00000°,λ-3.00000°. NP2:ϕ_s45.00000° ,δ89.00000°,λ-120.00000°. M_o2.46000×10^{16}
JMA Event type ke. KURILE ISLANDS REGION .
ISC VII 12 22 37 13.8–.52 48.35N–.05 154.70E–.04 57–4 4.5b,3.6s 421 3-154
KRSC VII 12 22 37 10.7–2.0 48.25N 155.12E 81–38 4.9L,3.6s **¶620804939**
GFZ VII 12 22 37 13.8–.26 48N–5.0 155E–4.0 46–2 4.6b,4.6
SKHL VII 12 22 37 13.5–.60 48.30N 155.00E 83–7 5.8,5.1b
MOS VII 12 22 37 13.1–.99 48.43N 154.65E 59 4.7b,5.1b
IDC VII 12 22 37 15.0–2.1 48.52N 154.44E 59–18 4.2,3.9b
NEIC VII 12 22 37 14.1–1.6 48.39N–.09 154.5E–.10 52–5 4.5b,3.9b
ISC Event type se.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 13 00 30 17.5–.21 46.14N–.03 151.64E–.02 53–1 5.9b,5.2s 2879 3-156
BJI VII 13 00 30 12.1 46.27N 151.96E 35 5.9b,5.7b **¶620804947**
NEIC VII 13 00 30 16.9 46.16N 151.62E 36 5.9b,5.7b
IPGP VII 13 00 30 16.0 46.18N 151.65E 46 5.7W,5.7b
PTWC VII 13 00 30 16 45.90N 151.80E 38 5.8,5.7b
SKHL VII 13 00 30 17.6–.20 45.90N 152.00E 72–7 6.5b,5.8s
NEIC VII 13 00 30 17.3 45.86N 152.06E 60 5.6,5.8s
MOS VII 13 00 30 17.0–1.0 46.22N 151.56E 58 5.9b,5.4s
ISC-P VII 13 00 30 17 46.17N 151.62E 34–0 6.1,5.4s
GFZ VII 13 00 30 17.1 46.13N 151.65E 36 5.8W,5.4s
NEIC VII 13 00 30 17.7–1.8 46.17N–.07 151.62E–.10 44–3 6.1b,5.2
GFZ VII 13 00 30 17.1–.18 46N–2.0 152E–2.0 41–1 6.1b,5.8
IDC VII 13 00 30 18.6–.86 46.19N 151.56E 56–6 5.5,5.2b
NIED VII 13 00 30 20.7 45.59N 151.50E 30 5.8W,5.2b
JMA VII 13 00 30 20.7–1.3 46N–4.0 152E–8.0 30 6.2,5.7W
GCMT VII 13 00 30 20.0–.10 46.06N–.01 151.86E–.01 59–1 5.7W,5.7W
BGR VII 13 00 30 24.2 47.24N 149.94E 33 5.8b,5.4s
ISC Event type ke.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s22.00000°,δ11.00000°,λ112.00000°. NP2:ϕ_s179.00000° ,δ80.00000°,λ86.00000°.
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.52 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.46 $M_{r\theta}$0.90 $M_{\theta\phi}$0.09 $M_{\phi r}$-2.80 NP1:ϕ_s353.21000°,δ4.87000° ,λ100.88000°. NP2:ϕ_s162.29000°,δ85.21000°,λ89.08000°. Principal axes:
T 3.0083,Plg50.0000°,Azm71.0000°; N -0.0420,Plg1.0000°,Azm162.0000°
; P -2.9663,Plg40.0000°,Azm253.0000° M_o2.99000×10^{17}
MOS Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=99.8. Felt (III) at Gornyy; (II-III) at Kuril'sk, Reydovo, Yuzhno-Kuril'sk. Moment Tensor Solution.
ISC-P Moment Tensor Solution. s51 Moment tensor: Scale 10^{18}Nm; M_{rr}0.12±.21 $M_{\theta\theta}$-0.37±.26; $M_{\phi\phi}$0.36±.17; $M_{r\theta}$0.05±.21; $M_{\theta\phi}$-0.35±.15; $M_{\phi r}$0.48±.17; NP1:ϕ_s159.50000°,δ83.20000° ,λ149.80000°. NP2:ϕ_s253.40000°,δ60.00000°,λ7.80000°. M_o1.58000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}2.06 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.58 $M_{\phi r}$-5.02 NP1: ϕ_s181.61765°,δ77.93067°,λ84.82498°. NP2:ϕ_s25.03701°,δ13.11686°,λ112.87192°.
Principal axes: T 5.3309,Plg56.7734°,Azm84.9334°; N 0.3867,Plg5.0603°,Azm182.7025°
; P -5.7176,Plg32.7385°,Azm275.9663° M_o5.53438×10^{17}
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.3km az=136.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=4.1km s-min=2.9km az=125.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=8.5km s-min=7.4km az=127.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}5.71 $M_{\theta\theta}$-4.92 $M_{\phi\phi}$-0.79 $M_{r\theta}$0.97 $M_{\theta\phi}$-1.13 $M_{\phi r}$-3.69 NP1:ϕ_s232.00000°,δ50.00000°,λ56.00000°. NP2:ϕ_s99.00000° ,δ50.00000°,λ124.00000°. M_o6.37000×10^{17}
JMA Event type fe. KURILE ISLANDS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107130030A. Moment Tensor Solution. s155,c321; s173,c348;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.04 $M_{\theta\theta}$-1.06±.04; $M_{\phi\phi}$0.32±.04; $M_{r\theta}$-0.01±.03; $M_{\theta\phi}$0.08±.03; $M_{\phi r}$-4.55±.05; Best double couple: NP1: ϕ_s318.00000°,δ2.00000°,λ49.00000°. NP2:ϕ_s180.00000°,δ89.00000°,λ91.00000°.
Principal axes: T 5.0830,Plg46.0000°,Azm91.0000°; N -1.0600,Plg1.0000°,Azm360.0000°
; P -4.0270,Plg44.0000°,Azm269.0000° M_o4.55500×10^{17}
BGR Event type ke.
SKHL VII 13 03 03 48.3–.40 45.60N 152.00E 41–4 4.5b
JMA VII 13 03 03 49.3–1.0 46N–6.0 152E–8.0 30 4.0 **¶626094581**
JMA Event type ke. KURILE ISLANDS REGION .
ISC VII 13 03 22 10.9–1.1 44.47N–.05 148.45E–.07 57–10 3.7b 81 1-82
MOS VII 13 03 22 10.2–.81 44.49N 148.38E 62 4.3b **¶620805498**
SKHL VII 13 03 22 11.7–.20 44.50N 148.40E 66–3 5.1b
JMA VII 13 03 22 11.9–.40 44N–2.0 148E–2.0 70 4.4
IDC VII 13 03 22 13.8–2.2 44.61N 148.21E 81–19 3.7,3.6s
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=11.3km s-min=8.3km az=61.8. Felt (II-III) at Gornyy. Moment Tensor Solution.
JMA Event type ke. SE OFF ETOROFU .
IDC Error ellipse: s-maj=20.3km s-min=14.9km az=144.0.
ISC VII 13 04 28 09.7–1.1 46.04N–.06 151.82E–.06 57–9 4.2b 175 3-152
NEIC VII 13 04 28 08.3–1.6 46.07N–.10 151.7E–.10 35–1 4.4b **¶620805502**
SKHL VII 13 04 28 09.6–.10 46.00N 151.90E 71–5 5.1b
MOS VII 13 04 28 09.1–1.0 46.13N 151.79E 67 4.5b
JMA VII 13 04 28 11.0–1.3 46N–5.0 152E–8.0 30 4.8
NIED VII 13 04 28 11.0 45.63N 151.62E 30 4.1W
IDC VII 13 04 28 14.7–2.0 46.24N 151.67E 97–17 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=11.6km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.2km s-min=6.4km az=72.4.
JMA Event type ke. KURILE ISLANDS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.03 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-0.20 $M_{r\theta}$-1.25 $M_{\theta\phi}$-0.12 $M_{\phi r}$-1.09 NP1:ϕ_s322.00000°,δ8.00000°,λ2.00000°. NP2:ϕ_s230.00000° ,δ90.00000°,λ98.00000°. M_o1.67000×10^{15}
IDC Error ellipse: s-maj=15.8km s-min=10.1km az=148.0.
ISC VII 13 10 10 04.5–.45 46.12N–.06 151.36E–.05 100 4.2b 158 3-140
SKHL VII 13 10 10 02.8–.20 46.00N 151.60E 75–4 5.1b **¶620805834**
MOS VII 13 10 10 03.3–.96 46.17N 151.29E 99 4.4b
JMA VII 13 10 10 03.1–.85 45N–4.0 152E–5.0 30 4.6
NEIC VII 13 10 10 05.3–.87 46.25N–.10 151.17E–.07 98–6 4.3b
IDC VII 13 10 10 06.8–2.0 46.33N 151.07E 111–18 3.9,3.5b
ISC Event type ke.
MOS Error ellipse: s-maj=9.9km s-min=7.2km az=54.2.
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=6.8km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.5km s-min=9.5km az=145.0.
KRSC VII 13 16 01 17.4–1.4 50.84N 157.86E 48–19 3.8L
¶620828932
KRSC Event type se.
KRSC VII 13 16 10 50.1–1.5 50.85N 157.84E 56–19 3.7L
¶620828933
KRSC Event type se.
ISC VII 13 20 40 17.0–2.2 50.77N–.09 157.85E–.08 14–11 35 1-4

KRSC VII 13 20 40 18.5–1.2 50.85N 157.84E 47–18 3.8L ¶620828935
ISC Event type se.
KRSC Event type se.
ISC VII 14 10 19 15.8–.82 48.4N–.10 154.6E–.10 100 3.4b 33 2-76
IDC VII 14 10 19 14.2–2.5 48.24N 154.52E 77–23 3.7,3.2b ¶620829495
KRSC VII 14 10 19 17.1–1.5 48.40N 156.35E 46–32 4.0L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=16.5km az=145.0.
KRSC Event type se.
KRSC VII 14 23 02 30.2–1.7 49.53N 156.82E 15–22 3.9L
¶620829497
KRSC Event type se.
ISC VII 15 01 29 28.1–2.2 49.8N–.10 156.1E–.30 35 3.4b 12 1-74
KRSC VII 15 01 29 13.7–1.2 49.35N 156.45E 8–12 4.3L ¶620928619
IDC VII 15 01 29 15.4–1.1 50.16N 153.61E 0 3.6,3.5b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=13.4km az=143.0.
JMA VII 15 16 42 09.6–.84 46N–4.0 151E–6.0 30 3.7
SKHL VII 15 16 42 05.7–.20 45.40N 152.10E 40–5 4.2b ¶626094649
JMA Event type ke. KURILE ISLANDS REGION .
ISC VII 17 03 19 05.3–1.8 43.32N–.05 146.61E–.05 15–11 3.9b 56 1-83
JMA VII 17 03 19 04.5–.58 43N–1.0 147E–3.0 30 3.4 ¶620833039
SKHL VII 17 03 19 05.5–.40 43.30N 146.70E 34–4 5.1b
MOS VII 17 03 19 07.5–1.5 43.43N 146.66E 37 4.3b
IDC VII 17 03 19 11.1–1.7 44.28N 146.39E 0 3.7s,3.5
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
MOS Error ellipse: s-maj=9.7km s-min=7.4km az=85.4.
IDC Error ellipse: s-maj=41.9km s-min=15.8km az=149.0.
KRSC VII 17 15 44 59.2–1.4 50.56N 157.20E 80–21 3.7L
¶620833271
KRSC Event type se.
ISC VII 17 22 48 59.1–.99 48.50N–.10 155.6E–.10 35 3.5b 31 2-75
IDC VII 17 22 48 54.5–1.1 48.32N 155.49E 0 3.7,3.5L ¶620928792
KRSC VII 17 22 49 00.8–2.8 48.67N 156.58E 30–45 4.1L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=14.9km az=125.0.
KRSC Event type se.
KRSC VII 18 03 07 30.6–2.0 49.37N 156.76E 15–32 3.7L
¶620833528
KRSC Event type se.
ISC VII 18 18 29 39.1–.55 44.78N–.05 146.30E–.05 179–5 3.5b 102 1-77
MOS VII 18 18 29 38.4–1.0 44.70N 145.94E 171 4.0b ¶620833397
SKHL VII 18 18 29 39.3–.00 44.80N 146.30E 161–7 5.5,4.8b
JMA VII 18 18 29 39.5–.34 45N–2.0 146E–2.0 177–2 3.4,4.8b
IDC VII 18 18 29 40.1–1.3 44.92N 146.14E 183–11 3.8,3.4s
ISC Event type ke.
MOS Error ellipse: s-maj=14.0km s-min=8.4km az=70.0.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
IDC Error ellipse: s-maj=17.0km s-min=12.8km az=132.0.
ISC VII 18 22 21 01.5–.63 49.05N–.07 155.79E–.08 35 4.3b 92 2-75
IDC VII 18 22 20 55.0–1.1 48.91N 155.63E 0 3.9,3.6L ¶620928849
KRSC VII 18 22 20 59.4–2.0 49.12N 156.75E 15–32 4.2L,3.6L
MOS VII 18 22 21 00.3–1.2 49.03N 155.70E 33 4.3b,3.6L
NEIC VII 18 22 21 02.9–1.3 49.1N–.10 155.6E–.10 35–2 4.4b,3.6L
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 20 15 55 28.5–.35 46.71N–.04 153.22E–.05 40 4.4b,3.4s 286 4-153
SKHL VII 20 15 55 27.1–.50 46.60N 153.40E 56–6 5.0b,3.4s ¶620837798
MOS VII 20 15 55 27.9–1.1 46.80N 153.11E 49 4.5b,3.4s
NEIC VII 20 15 55 28.3–2.4 46.76N–.09 153.2E–.10 35–1 4.4b,3.4s
JMA VII 20 15 55 30.7–1.1 46N–5.0 153E–7.0 30 4.5,3.4s
IDC VII 20 15 55 31.0–2.1 46.92N 152.96E 62–18 4.0,3.7b
GFZ VII 20 15 55 31.8–.31 47N–4.0 153E–4.0 55 4.7,4.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SKHL VII 13 17 46 07.1–.10 45.50N 152.00E 48–7 3.9b
JMA VII 13 17 46 09.3–.98 46N–4.0 151E–7.0 30 3.6 ¶626094586
JMA Event type ke. KURILE ISLANDS REGION .
ISC VII 20 17 30 54.4–1.2 47.3N–.10 153.8E–.10 50 3.4b 16 4-73
IDC VII 20 17 30 48.5–1.4 46.59N 156.51E 0 3.4,3.3b ¶620961604
SKHL VII 20 17 30 54.5–.40 47.30N 153.90E 58–4 4.6b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=18.7km az=103.0.
ISC VII 21 05 18 43.6–1.0 45.5N–.10 149.8E–.10 150 3.5b 24 1-70
SKHL VII 21 05 18 44.4–.20 44.80N 150.40E 63–5 4.5b ¶620961630
JMA VII 21 05 18 47.6–.54 45N–2.0 149E–3.0 183 3.7
IDC VII 21 05 18 47.7–2.4 46.18N 148.96E 195–24 3.7,3.2b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
IDC Error ellipse: s-maj=36.9km s-min=17.2km az=126.0.
ISC VII 22 01 47 50.4–3.7 44.6N–.20 148.4E–.20 138–25 24 1-5
SKHL VII 22 01 47 52.0–.30 44.20N 148.80E 47–6 4.6b ¶626087086
JMA VII 22 01 47 53.4–.39 45N–2.0 148E–3.0 166 3.6
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
ISC VII 22 02 47 25.0–4.4 44.51N–.09 148.6E–.20 34–7 24 1-5
JMA VII 22 02 47 24.1–.51 44N–2.0 148E–3.0 0 3.6 ¶626087087
SKHL VII 22 02 47 25.4–.20 44.50N 148.60E 41–3 4.0b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC VII 22 15 42 15.0–2.6 50.16N 154.99E 161–17 3.8L
¶620845283
KRSC Event type se.
ISC VII 22 17 35 30.0–1.1 46.6N–.20 153.6E–.10 24 3.6b 16 6-77
IDC VII 22 17 35 26.3–1.0 46.74N 153.62E 0 3.8b,3.7 ¶620967842
JMA VII 22 17 35 33.7–.95 46N–7.0 153E–7.0 30 3.6,3.7
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
KRSC VII 23 03 17 05.6–1.9 49.55N 155.05E 46–25 3.6L
¶625366904
KRSC Event type se.
ISC VII 24 06 03 36.8–.87 45.7N–.20 149.8E–.10 150 3.2b 28 1-80
SKHL VII 24 06 03 37.0–.20 44.90N 150.50E 58–6 4.3b ¶620970202
JMA VII 24 06 03 40.1–.44 45N–3.0 150E–3.0 126 3.1
IDC VII 24 06 03 42.0–2.6 46.62N 149.26E 163–25 3.4,3.0b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=44.9km s-min=19.8km az=164.0.
KRSC VII 25 03 41 39.4–2.3 49.30N 156.65E 14–41 4.2L
¶620846088
KRSC Event type se.
ISC VII 25 01 58 35.1–1.5 47.2N–.20 153.2E–.20 50 3.5b 14 4-77
SKHL VII 25 01 58 36.6–.60 47.70N 152.60E 75–4 4.2b ¶620973738
IDC VII 25 01 58 39.7–3.6 47.25N 153.54E 84–25 3.6,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=22.9km az=138.0.
KRSC VII 24 12 13 42.7–1.9 49.32N 156.97E 42–30 4.1L
¶620845810
KRSC Event type se.
ISC VII 25 07 25 06.9–5.2 43.1N–.10 146.7E–.20 32–20 13 1-1
JMA VII 25 07 25 05.8–.38 43N–1.0 147E–2.0 49–4 2.2 ¶626087109
SKHL VII 25 07 25 07.6–.20 43.10N 146.70E 33–2 3.8b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VII 26 12 23 51.5–.57 49.02N–.08 155.00E–.08 100 4.2b 150 2-75
MOS VII 26 12 23 50.5–1.0 48.66N 155.66E 102 4.0b ¶620846784
KRSC VII 26 12 23 53.3–1.9 48.88N 156.38E 58–35 4.2L
NEIC VII 26 12 23 54.5–1.2 49.4N–.10 154.4E–.20 123–9 4.2b
IDC VII 26 12 23 56.5–2.1 49.44N 154.50E 140–20 4.0,3.5b
JMA VII 26 12 24 01.2–.69 48N–3.0 155E–6.0 3 4.1,3.5b
ISC Event type ke.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR FIELD .
ISC VII 25 23 10 12.6–.45 48.50N–.07 153.09E–.06 150 4.0b 187 3-82
SKHL VII 25 23 10 13.2–.30 48.50N 152.90E 149–5 5.6,4.8b ¶620845958
KRSC VII 25 23 10 13.8–2.1 48.05N 154.56E 181–36 4.6L,4.8b
NEIC VII 25 23 10 14.5–1.3 48.67N–.10 152.8E–.20 155–7 4.1b,4.8b
MOS VII 25 23 10 14.0–1.0 48.65N 152.89E 173 4.0b,4.8b
IDC VII 25 23 10 16.2–1.8 48.71N 152.77E 176–17 4.1,3.5b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=3.0km az=132.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.0km s-min=4.3km az=61.4.
IDC Error ellipse: s-maj=14.4km s-min=9.8km az=157.0.
KRSC VII 27 11 36 30.0–2.4 49.49N 156.93E 48–44 4.1L
¶620857210
KRSC Event type se.
ISC VII 26 14 51 11.8–.50 44.40N–.04 148.31E–.05 84–3 4.5b 428 1-134
IDC VII 26 14 51 11.4–2.1 44.52N 148.18E 75–19 4.3,4.1b ¶620846778
MOS VII 26 14 51 11.2–1.2 44.41N 148.29E 90 4.6b,4.1b
GFZ VII 26 14 51 12.3–.24 44N–3.0 148E–4.0 92 4.6b,4.6
SKHL VII 26 14 51 12.0–.20 44.40N 148.40E 94–8 6.3,5.5b
JMA VII 26 14 51 13.9–.37 44N–1.0 148E–2.0 109 4.7,5.5b
NEIC VII 26 14 51 14.4–1.0 44.46N–.08 148.2E–.10 97–6 4.5b,5.5b
ISC Event type ke.
MOS Event type fe. Felt (III) at Malokuril'skoe. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type fe. SE OFF ETOROFU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC VII 28 06 54 54.9–3.0 50.80N 156.15E 206–19 3.7L
¶620859533
KRSC Event type se.
KRSC VII 31 07 13 34.7–1.9 50.00N 155.54E 211–12 4.0L
¶620925395
KRSC Event type se.
ISC VII 29 21 40 30.8–.82 45.2N–.10 147.7E–.10 197–8 3.5b 36 0-69
SKHL VII 29 21 40 30.8–.30 45.10N 148.00E 176–3 5.1,4.5b ¶620984141
IDC VII 29 21 40 31.6–3.2 45.47N 147.71E 175–38 3.8,3.3b
JMA VII 29 21 40 33.2–.62 45N–3.0 148E–4.0 182 3.7,3.3b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
KRSC VII 29 09 06 39.3–1.8 49.94N 156.94E 42–22 3.6L
¶620912087
KRSC Event type se.
SKHL VII 30 22 49 58.2–.10 44.00N 148.80E 55–4 4.0b
JMA VII 30 22 49 58.8–.76 45N–4.0 148E–5.0 100 3.0 ¶626089739
JMA Event type ke. NEAR ETOROFU ISLAND .
ISC VII 28 13 52 42.8–.65 49.10N–.08 155.71E–.07 51 3.6b,2.9s 102 2-75
KRSC VII 28 13 52 40.7–1.9 49.18N 155.65E 67–30 4.8L,2.9s ¶620857611
MOS VII 28 13 52 42.3–.98 49.20N 155.51E 69 4.0b,2.9s
IDC VII 28 13 52 45.6–2.5 49.25N 155.17E 72–23 3.7,3.3b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=13.2km s-min=4.1km az=70.9.
IDC Error ellipse: s-maj=25.8km s-min=12.2km az=141.0.
ISC VII 29 07 05 13.6–.50 50.89N–.06 155.77E–.05 162–4 4.0b 178 0-88
KRSC VII 29 07 05 11.7–3.5 50.79N 155.94E 175–23 4.4L ¶620878554
MOS VII 29 07 05 13.5–1.0 50.95N 155.65E 174 4.2b
IDC VII 29 07 05 15.5–.73 51.16N 155.57E 166–5 4.1,3.6b
NEIC VII 29 07 05 15.5–1.8 51.05N–.08 155.7E–.20 173–7 4.2b,3.6b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 31 07 21 26.3–2.1 43.90N–.08 147.66E–.09 5–12 29 1-4
JMA VII 31 07 21 29.3–.39 44N–1.0 147E–2.0 0 3.7 ¶626090248
SKHL VII 31 07 21 29.4–.10 43.80N 147.80E 33–4 4.7b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC VIII 02 03 28 59.8–.21 44.09N–.03 148.40E–.03 39–2 5.5b,5.0s 1641 2-154
NIED VIII 02 03 28 54.7 43.84N 148.43E 0 5.4W,5.0s ¶620925865
JMA VIII 02 03 28 54.7–.39 44N–2.0 148E–2.0 0 5.5,5.4W
GFZ VIII 02 03 28 56.7 44.18N 148.39E 30 5.3W,5.4W
BJI VIII 02 03 28 57.5 44.08N 148.38E 35 5.6b,5.5b
MOS VIII 02 03 28 57.0–.95 44.15N 148.40E 26 5.8b,5.2s
NEIC VIII 02 03 28 58.9–1.8 44.16N–.07 148.31E–.09 29–1 5.4,5.4b
SKHL VIII 02 03 28 58.6–.50 44.10N 148.50E 44–5 6.3b,5.4b
NEIC VIII 02 03 28 59.8 44.17N 148.31E 35 6.3b,5.4b
NEIC VIII 02 03 28 59.8 44.17N 148.31E 35 6.3b,5.4b
GFZ VIII 02 03 29 00.3–.24 44N–2.0 148E–2.0 34–1 5.9b,5.7b
NEIC VIII 02 03 29 00.4 43.87N 148.87E 36 5.3,5.7b
GCMT VIII 02 03 29 01.8–.10 44.12N–.01 148.51E–.01 32–0 5.4W,5.7b
IDC VIII 02 03 29 01.0–1.1 44.19N 148.28E 42–8 5.2,5.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.78 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-0.50 $M_{r\theta}$0.62 $M_{\theta\phi}$-0.49 $M_{\phi r}$0.75 NP1:ϕ_s217.00000°,δ20.00000°,λ88.00000°. NP2:ϕ_s39.00000° ,δ70.00000°,λ91.00000°. $M_0$1.28000×10^{17}
JMA Event type fe. SE OFF ETOROFU .
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-0.59 $M_{r\theta}$0.08 $M_{\theta\phi}$-0.55 $M_{\phi r}$0.61 NP1: ϕ_s234.70722°,δ31.97610°,λ123.07710°. NP2:ϕ_s17.18926°,δ63.65709°,λ71.18517°. Principal axes: T 1.0036,Plg66.0063°,Azm253.0768°; N 0.1256,Plg16.7993°,Azm25.7867° ; P -1.1292,Plg16.6212°,Azm120.9574° $M_0$1.07197×10^{17}
MOS Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=116.3. Felt (III) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.2km az=155.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$-0.78 $M_{r\theta}$0.30 $M_{\theta\phi}$-0.89 $M_{\phi r}$0.22 NP1:ϕ_s45.09000°,δ52.18000°,λ95.22000°. NP2:ϕ_s216.62000°,δ38.12000° ,λ83.32000°. Principal axes: T 1.3583,Plg82.0000°,Azm342.0000°; N 0.2434,Plg4.0000° ,Azm222.0000°; P -1.6017,Plg7.0000°,Azm131.0000° $M_0$1.49000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ Error ellipse: s-maj=5.4km s-min=3.3km az=140.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.01 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.61 $M_{\phi r}$0.58 NP1:ϕ_s255.08000°,δ32.29000° ,λ116.88000°. NP2:ϕ_s44.13000°,δ61.55000°,λ74.06000°. Principal axes: T 1.2532,Plg69.0000°,Azm281.0000°; N 0.1075,Plg14.0000°,Azm52.0000° ; P -1.3607,Plg15.0000°,Azm146.0000° $M_0$1.31000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108020328B. Moment Tensor Solution. s115,c207; s142,c278;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.02 $M_{\theta\theta}$-0.41±.02; $M_{\phi\phi}$-0.63±.02; $M_{r\theta}$0.38±.02; $M_{\theta\phi}$-0.74±.01; $M_{\phi r}$0.72±.02; Best double couple: NP1: ϕ_s231.00000°,δ29.00000°,λ107.00000°. NP2:ϕ_s32.00000°,δ63.00000°,λ81.00000°. Principal axes: T 1.3220,Plg71.0000°,Azm282.0000°; N 0.1970,Plg8.0000°,Azm36.0000° ; P -1.5150,Plg17.0000°,Azm129.0000° $M_0$1.41800×10^{17}

IDC Error ellipse: s-maj=11.5km s-min=9.2km az=141.0.
SKHL VII 31 18 42 23.6–.20 43.80N 147.00E 181–9 4.7,4.2b
JMA VII 31 18 42 22.8–.48 45N–2.0 146E–3.0 176 2.7,4.2b **¶626090249**
JMA Event type ke. NEAR KUNASHIRI ISLAND .
ISC VII 31 17 18 05.3–1.7 43.20N–.06 146.72E–.05 15–10 3.4b 31 1-83
IDC VII 31 17 18 03.6–.93 43.03N 146.84E 0 3.5b,3.5 **¶620986138**
JMA VII 31 17 18 05.5–.37 43N–1.0 147E–2.0 46–4 3.7,3.5
SKHL VII 31 17 18 05.2–.20 43.20N 146.80E 23–2 4.8b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=14.0km az=146.0.
JMA Event type fe. OFF NEMURO PENINSULA .
ISC VIII 02 07 43 02.6–1.4 43.17N–.08 146.00E–.09 42–8 3.5b 24 0-84
IDC VIII 02 07 42 54.9–3.0 42.74N 146.14E 0 3.7L,3.7b **¶620993220**
SKHL VIII 02 07 43 03.3–.20 43.20N 145.90E 43–3 5.0b,3.7b
JMA VIII 02 07 43 03.0–.14 43.2N–.40 145.9E–.70 48–1 4.0,3.7b
ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .
ISC VIII 02 14 20 05.4–.40 44.73N–.05 149.51E–.04 42–3 4.7b,3.5s 417 1-152
MOS VIII 02 14 20 03.9–1.1 44.68N 149.50E 46 4.9b,3.5s **¶620929566**
SKHL VIII 02 14 20 04.8–.90 44.70N 149.60E 55–4 5.7b,3.5s
NIED VIII 02 14 20 04.8 44.60N 149.42E 30 4.6W,3.5s
JMA VIII 02 14 20 04.8–.89 45N–3.0 149E–5.0 30 5.0,4.7
NEIC VIII 02 14 20 05.2–1.2 44.81N–.09 149.4E–.10 35–2 4.8b,4.7
GFZ VIII 02 14 20 06.0–.38 45N–6.0 149E–4.0 43–3 5.0,4.7b
IDC VIII 02 14 20 06.9–2.2 44.82N 149.35E 53–19 4.2,3.9b
ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=6.2km az=87.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}6.54 $M_{\theta\theta}$-8.44 $M_{\phi\phi}$1.90 $M_{r\theta}$4.61 $M_{\theta\phi}$-0.94 $M_{\phi r}$-1.72 NP1:ϕ_s245.00000°,δ33.00000°,λ59.00000°. NP2:ϕ_s101.00000°,δ63.00000°,λ109.00000°. M_o9.09000×10^{15}
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=11.7km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=12.8km s-min=6.9km az=158.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=16.0km s-min=10.8km az=147.0.
ISC VIII 02 14 53 48.7–.66 44.11N–.05 146.72E–.05 136–5 4.2b 131 1-83
MOS VIII 02 14 53 48.4–1.1 44.26N 146.62E 145 4.2b **¶620993247**
SKHL VIII 02 14 53 49.8–.10 44.00N 146.80E 123–5 5.9,5.1b
NIED VIII 02 14 53 49.8 44.07N 146.69E 134 3.7W,5.1b
JMA VIII 02 14 53 49.8–.24 44N–1.0 147E–2.0 134–2 3.8,5.1b
IDC VIII 02 14 53 51.0–2.1 44.53N 146.53E 138–18 4.0,4.0s
NEIC VIII 02 14 53 50.5–1.0 44.3N–.10 146.5E–.10 142–8 4.2b,4.0s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.17 $M_{\theta\theta}$1.92 $M_{\phi\phi}$-4.09 $M_{r\theta}$1.30 $M_{\theta\phi}$-0.81 $M_{\phi r}$-0.51 NP1:ϕ_s42.00000°,δ57.00000°,λ145.00000°. NP2:ϕ_s153.00000°,δ62.00000°,λ39.00000°. M_o3.84000×10^{14}
JMA Event type ke. NEAR KUNASHIRI ISLAND .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 03 11 23 49.0–1.1 44.04N–.06 147.72E–.07 56–10 4.0b 118 1-82
MOS VIII 03 11 23 47.9–.91 44.12N 147.72E 60 4.4b **¶620961706**
NIED VIII 03 11 23 48.7 44.00N 147.37E 0 3.9W
JMA VIII 03 11 23 48.7–.54 44N–2.0 147E–3.0 0 4.4
SKHL VIII 03 11 23 49.4–.80 44.10N 147.70E 64–3 5.2b
IDC VIII 03 11 23 51.2–2.4 44.19N 147.67E 76–20 3.8,3.5b
NEIC VIII 03 11 23 51.7–.84 44.16N–.09 147.6E–.10 75–8 4.3b,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.32 $M_{\theta\theta}$-1.37 $M_{\phi\phi}$-2.95 $M_{r\theta}$-0.57 $M_{\theta\phi}$-3.72 $M_{\phi r}$6.78 NP1:ϕ_s247.00000°,δ30.00000°,λ146.00000°. NP2:ϕ_s7.00000°,δ74.00000°,λ65.00000°. M_o8.63000×10^{14}
JMA Event type ke. E OFF HOKKAIDO .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 06 01 18 51.5–.83 44.49N–.07 147.86E–.07 150–6 4.0b 82 1-77
MOS VIII 06 01 18 51.8–1.1 44.76N 147.63E 157 4.2b **¶620998846**
NEIC VIII 06 01 18 53.9–2.1 44.5N–.20 147.7E–.10 166–12 4.2b
SKHL VIII 06 01 18 54.0–.30 44.10N 148.30E 74–3 5.1b
JMA VIII 06 01 18 54.1–.45 44N–2.0 148E–3.0 149 3.9
IDC VIII 06 01 18 55.9–3.4 44.75N 147.42E 178–40 3.8,3.3b
ISC Event type ke.
MOS Error ellipse: s-maj=16.9km s-min=13.9km az=67.4.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=14.7km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR ETOROFU ISLAND .
IDC Error ellipse: s-maj=145.8km s-min=22.3km az=170.0.
ISC VIII 04 17 54 58.3–3.7 44.1N–.20 148.2E–.20 10 22 2-6
JMA VIII 04 17 54 54.6–.32 44N–2.0 148E–2.0 0 4.1 **¶626187818**
SKHL VIII 04 17 54 55.2–.20 44.20N 148.70E 47–5 4.7b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC VIII 04 05 29 37.9–1.3 47.1N–.20 152.8E–.10 56 3.5b 10 7-78
IDC VIII 04 05 29 29.9–1.3 46.80N 153.03E 0 3.4b,3.4 **¶620997285**
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=15.3km az=150.0.
ISC VIII 09 00 21 58.1–.84 47.6N–.10 152.8E–.10 100 4.0b 80 4-91
MOS VIII 09 00 21 59.6–1.1 47.66N 152.81E 137 4.2b **¶621007210**
SKHL VIII 09 00 22 00.3–.80 47.70N 152.80E 123–7 5.8,5.0b
NEIC VIII 09 00 22 01.7–.65 47.8N–.20 152.5E–.20 124–10 4.2b,5.0b
IDC VIII 09 00 22 02.0–2.2 47.78N 152.73E 136–17 3.9,3.4b
JMA VIII 09 00 22 05.0–.84 47N–4.0 153E–6.0 197 3.9,3.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC VIII 08 09 37 32.5–.53 43.12N–.04 146.38E–.04 75–3 4.4b 288 1-93
MOS VIII 08 09 37 30.9–.97 43.10N 146.39E 75 4.7b **¶620976283**
GFZ VIII 08 09 37 31.7–.75 43N–4.0 147E–8.0 70–4 4.5b,4.5
NEIC VIII 08 09 37 32.0–1.3 43.12N–.05 146.4E–.10 67–6 4.4b,4.5
SKHL VIII 08 09 37 32.3–.50 43.10N 146.50E 84–3 6.8,5.8b
IDC VIII 08 09 37 33.8–2.4 43.19N 146.35E 81–20 4.0,3.7b
NIED VIII 08 09 37 33.8 43.17N 146.27E 72 4.1W,3.7b
JMA VIII 08 09 37 33.8–.16 43.2N–.50 146.3E–.90 72–1 4.2,4.2
ISC Event type ke.
MOS Event type fe. Felt (II-III) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.03 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$0.65 $M_{r\theta}$0.16 $M_{\theta\phi}$1.51 $M_{\phi r}$0.47 NP1:ϕ_s80.00000°,δ76.00000°,λ7.00000°. NP2:ϕ_s348.00000°,δ83.00000°,λ166.00000°. M_o1.71000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
ISC VIII 06 21 12 01.2–1.9 49.63N–.07 156.95E–.08 3–12 60 1-38
MOS VIII 06 21 12 06.0–.92 49.48N 156.42E 35 4.3b **¶620976020**
KRSC VIII 06 21 12 06.2–2.3 49.64N 156.91E 16–35 4.3L
ISC Event type se.
MOS Error ellipse: s-maj=15.6km s-min=5.1km az=77.7.
KRSC Event type se.
ISC VIII 09 16 57 26.7–.89 43.58N–.08 147.77E–.08 50 3.5b 28 1-82
JMA VIII 09 16 57 24.1–.72 43N–1.0 148E–4.0 51 3.7 **¶621007275**
NIED VIII 09 16 57 24.1 43.46N 147.90E 51 3.8W
SKHL VIII 09 16 57 25.1–.10 43.50N 147.90E 45–4 4.8b
IDC VIII 09 16 57 30.3–3.2 43.52N 147.91E 84–27 3.6,3.3b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.45 $M_{\theta\theta}$-3.01 $M_{\phi\phi}$-2.45 $M_{r\theta}$2.25 $M_{\theta\phi}$-1.09 $M_{\phi r}$0.24 NP1:ϕ_s228.00000°,δ34.00000°,λ76.00000°. NP2:ϕ_s64.00000°,δ57.00000°,λ99.00000°. M_o5.14000×10^{14}

IDC Error ellipse: s-maj=22.8km s-min=18.5km az=89.0.
ISC VIII 10 12 08 44.2–.33 44.11N–.03 148.38E–.03 32–1 5.1b,4.5s 1044 1-153
NIED VIII 10 12 08 40.7 44.13N 148.31E 0 5.0W,4.5s **¶620979642**
BJI VIII 10 12 08 40.4 44.06N 148.73E 34 5.3b,5.3b
JMA VIII 10 12 08 40.7–.79 44N–3.0 148E–4.0 0 5.9,5.3
IDC VIII 10 12 08 40.0–.44 44.24N 148.37E 0 4.8b,4.8
SKHL VIII 10 12 08 42.1–.40 44.00N 148.60E 49–9 6.0b,5.0
MOS VIII 10 12 08 43.0–.93 44.10N 148.37E 36 5.4b,4.7s
NEIC VIII 10 12 08 45.0–1.1 44.16N–.08 148.3E–.10 35–1 5.0,4.9b
GFZ VIII 10 12 08 45.6–.26 44N–4.0 148E–3.0 38–2 5.2b,5.0
GCMT VIII 10 12 08 46.5–.20 44.04N–.01 148.61E–.02 33–1 5.0W,5.0
BGR VIII 10 12 08 57.0 45.67N 146.51E 33 5.3b,4.6s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.01 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-1.93 $M_{r\theta}$1.64 $M_{\theta\phi}$-0.90 $M_{\phi r}$2.57 NP1:ϕ_s160.00000°,δ20.00000°,λ36.00000°. NP2:ϕ_s36.00000°,δ78.00000°,λ107.00000°. M_o3.50000×10^{16}
JMA Event type fe. SE OFF ETOROFU .
IDC Error ellipse: s-maj=11.3km s-min=8.0km az=144.0.
MOS Error ellipse: s-maj=5.2km s-min=3.8km az=114.7.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=11.0km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.4km s-min=4.5km az=142.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108101208A. Moment Tensor Solution. s64,c83; s109,c172; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.08±.14 $M_{\theta\theta}$-0.43±.10; $M_{\phi\phi}$-2.64±.10; $M_{r\theta}$0.90±.12; $M_{\theta\phi}$-1.71±.07; $M_{\phi r}$3.16±.14; Best double couple: NP1:ϕ_s220.00000°,δ24.00000°,λ109.00000°. NP2:ϕ_s19.00000°,δ68.00000°,λ82.00000°. Principal axes:
T 4.4860,Plg66.0000°,Azm274.0000°; N 0.4000,Plg8.0000°,Azm22.0000°
; P -4.8800,Plg22.0000°,Azm115.0000° M_o4.68300×10^{16}
BGR Event type ke.
ISC VIII 10 16 27 56.1–.34 47.63N–.04 154.39E–.04 55–2 5.0b,3.9s 891 3-155
BJI VIII 10 16 27 50.2 47.74N 154.95E 44 5.2b,5.0b **¶620979657**
MOS VIII 10 16 27 54.5–.93 47.70N 154.28E 49 5.3b,5.0b
SKHL VIII 10 16 27 54.6–.80 47.60N 154.70E 70–5 5.6b,5.0b
GFZ VIII 10 16 27 56.8–.57 48N–4.0 154E–4.0 56–4 5.1b,5.0
NEIC VIII 10 16 27 56.3–.96 47.69N–.07 154.3E–.10 52–5 4.9b,5.0
BGR VIII 10 16 27 56.6 47.88N 154.60E 33 5.0b,3.8s
IDC VIII 10 16 27 59.2–1.6 47.77N 154.22E 79–14 4.8,4.5b
JMA VIII 10 16 28 01.1–.52 47N–4.0 154E–4.0 1 4.8,4.5b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
JMA Event type ke. FAR FIELD .
ISC VIII 10 12 38 48.3–4.3 44.1N–.10 148.4E–.20 12–23 16 1-4
JMA VIII 10 12 38 48.1–.95 44N–3.0 149E–5.0 30 3.8 **¶626188233**
SKHL VIII 10 12 38 49.7–.30 44.00N 148.60E 52–2 4.5b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC VIII 12 08 36 08.4–2.1 43.62N–.08 147.67E–.08 10–11 4.0b 27 1-72
SKHL VIII 12 08 36 12.5–.60 43.70N 147.80E 38–2 4.7b **¶621009391**
NIED VIII 12 08 36 14.0 43.74N 147.26E 0 3.6W
JMA VIII 12 08 36 14.0–.48 44N–1.0 147E–2.0 0 3.6
IDC VIII 12 08 36 15.1–4.4 44.95N 147.13E 0 3.7b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.34 $M_{\theta\theta}$0.78 $M_{\phi\phi}$-1.12 $M_{r\theta}$1.84 $M_{\theta\phi}$-0.45 $M_{\phi r}$1.09 NP1:ϕ_s154.00000°,δ26.00000°,λ9.00000°. NP2:ϕ_s55.00000°,δ86.00000°,λ116.00000°. M_o2.40000×10^{14}
JMA Event type ke. E OFF HOKKAIDO .
IDC Error ellipse: s-maj=112.0km s-min=23.8km az=150.0.
ISC VIII 12 08 39 17.9–.83 43.81N–.06 147.62E–.06 40–6 4.3b 175 1-82
IDC VIII 12 08 39 13.9–.73 44.26N 147.54E 0 4.0b,4.0 **¶620983522**
SKHL VIII 12 08 39 17.2–.70 43.70N 147.70E 58–7 5.3b,4.0
NIED VIII 12 08 39 17.4 43.74N 147.26E 0 4.1W,4.0
JMA VIII 12 08 39 17.4–.46 44N–1.0 147E–2.0 0 4.2,4.0
MOS VIII 12 08 39 18.1–.89 43.96N 147.53E 53 4.4b,4.0
NEIC VIII 12 08 39 19.3–1.2 43.8N–.10 147.5E–.10 56–10 4.4b,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.41 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-0.55 $M_{r\theta}$1.31 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.90 NP1:ϕ_s170.00000°,δ16.00000°,λ27.00000°. NP2:ϕ_s53.00000°,δ83.00000°,λ104.00000°. M_o1.70000×10^{15}
JMA Event type ke. E OFF HOKKAIDO .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 03 25 24.8–.86 46.6N–.10 153.1E–.10 40 4.1b 54 6-79
IDC VIII 13 03 25 29.9–2.7 46.98N 152.95E 71–25 3.8,3.5b **¶621012001**
NEIC VIII 13 03 25 29.5–1.0 46.9N–.20 152.8E–.20 67–10 4.3b,3.5b
JMA VIII 13 03 25 30.9–1.1 46N–5.0 152E–8.0 30 3.9,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC VIII 14 10 56 20.2–.63 47.98N–.07 154.73E–.07 42 3.8b 113 3-76
SKHL VIII 14 10 56 21.9–.50 48.10N 154.60E 80–5 4.8b **¶620986832**
MOS VIII 14 10 56 21.8–.73 48.24N 154.38E 66 4.2b
KRSC VIII 14 10 56 22.3–1.7 48.14N 156.19E 16–42 4.5L
IDC VIII 14 10 56 25.7–2.8 48.31N 154.17E 84–26 3.8,3.4b
JMA VIII 14 10 56 27.1–.75 47N–4.0 155E–6.0 2 3.5,3.4b
ISC Event type ke.
KRSC Event type se.
JMA Event type ke. FAR FIELD .
ISC VIII 13 07 57 39.4–2.4 44.49N–.09 146.42E–.09 147–17 23 1-3
SKHL VIII 13 07 57 39.6–.20 44.40N 146.50E 147–2 5.0,4.4b **¶626188508**
JMA VIII 13 07 57 39.5–.51 44N–1.0 146E–3.0 150–3 2.8,4.4b
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
ISC VIII 15 16 16 06.2–1.4 48.89N–.09 155.71E–.09 54–13 3.7b 93 2-75
KRSC VIII 15 16 16 03.6–1.8 48.85N 156.22E 40–24 4.4L **¶620987310**
MOS VIII 15 16 16 04.1–.86 48.83N 155.66E 46 4.1b
SKHL VIII 15 16 16 05.3–.70 49.00N 155.30E 45–5 4.6b
IDC VIII 15 16 16 09.3–2.8 49.06N 155.30E 74–26 3.6,3.3b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=15.5km s-min=3.9km az=73.7.
IDC Error ellipse: s-maj=29.4km s-min=13.8km az=138.0.
ISC VIII 14 05 26 39.2–1.6 43.28N–.07 147.45E–.07 46–14 4.1b 74 1-83
IDC VIII 14 05 26 33.9–2.9 43.59N 147.37E 0 3.9b,3.9 **¶621013444**
NEIC VIII 14 05 26 39.2–2.1 43.4N–.10 147.5E–.10 35–2 4.4b,3.9
SKHL VIII 14 05 26 39.1–.30 43.30N 147.50E 51–6 5.1b,3.9
MOS VIII 14 05 26 39.0–1.0 43.35N 147.39E 59 4.2b,3.9
JMA VIII 14 05 26 39.9–.28 43.3N–.70 147E–2.0 59 3.9,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HOKKAIDO .
ISC VIII 14 06 11 52.9–1.7 43.44N–.08 147.82E–.08 34 16 2-68
SKHL VIII 14 06 11 59.2–.30 43.50N 147.80E 42–5 4.8b **¶626188570**
JMA VIII 14 06 11 59.1–.85 44N–2.0 147E–5.0 0 3.8
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC VIII 16 04 16 13.4–.56 44.57N–.05 146.92E–.05 161–4 4.1b 160 1-85
MOS VIII 16 04 16 13.5–1.1 44.67N 146.82E 169 4.1b **¶620987299**
NEIC VIII 16 04 16 14.9–2.1 44.9N–.10 146.7E–.20 158–8 4.2b
SKHL VIII 16 04 16 14.3–.40 44.60N 146.90E 144–7 5.4,4.8b
JMA VIII 16 04 16 14.7–.29 45N–1.0 147E–2.0 160–3 3.6,4.8b
IDC VIII 16 04 16 16.0–1.5 45.26N 146.62E 159–18 3.8,3.4b
ISC Event type ke.

MOS Error ellipse: s-maj=11.3km s-min=8.7km az=88.1.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=14.4km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR ETOROFU ISLAND .
IDC Error ellipse: s-maj=31.6km s-min=14.5km az=171.0.
KRSC VIII 16 08 02 44.8–3.0 49.27N 156.84E 14–49 4.2L ¶620990441
KRSC Event type se.
ISC VIII 18 22 14 24.2–.79 48.96N–.05 155.35E–.05 63–7 4.4b 254 2-139
SKHL VIII 18 22 14 21.2–.70 48.60N 155.80E 68–6 5.4b **¶620996749**
KRSC VIII 18 22 14 21.8–2.1 48.86N 155.89E 68–33 5.0L
MOS VIII 18 22 14 24.0–1.2 49.01N 155.44E 79 4.6b
IDC VIII 18 22 14 28.6–2.2 49.15N 155.08E 93–18 4.2,3.9b
NEIC VIII 18 22 14 29.2–1.4 49.33N–.09 155.0E–.10 93–7 4.4b,3.9b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 09 30 28.1–.73 50.3N–.10 155.5E–.10 150 3.4b 54 1-77
KRSC VIII 16 09 30 22.8–1.4 50.01N 155.69E 150–11 4.2L **¶620990442**
MOS VIII 16 09 30 26.4–1.1 50.35N 155.43E 144 3.9b
IDC VIII 16 09 30 28.8–1.9 50.41N 155.22E 148–16 3.5,3.1b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=24.5km s-min=6.6km az=65.1.
IDC Error ellipse: s-maj=25.0km s-min=13.3km az=150.0.
ISC VIII 17 13 52 34.0–1.0 46.7N–.20 151.3E–.10 150 2.9b 13 3-79
SKHL VIII 17 13 52 35.7–.40 45.00N 152.20E 52–4 4.6b **¶621030274**
IDC VIII 17 13 52 38.1–3.7 46.96N 150.78E 188–38 3.3,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=25.4km az=135.0.
ISC VIII 19 05 29 58.6–.70 46.15N–.04 153.47E–.03 28–4 5.1b,4.2s 896 4-154
BJI VIII 19 05 29 54.1 46.33N 153.36E 7 4.8b,4.8b **¶620996872**
IDC VIII 19 05 29 54.4–.37 46.13N 153.42E 0 4.7b,4.7
GFZ VIII 19 05 29 56.7–.14 46N–3.0 153E–2.0 10 5.1b,4.9
NEIC VIII 19 05 29 56.0–.86 46.16N–.09 153.4E–.10 10–1 5.2b,4.9
SKHL VIII 19 05 29 58.3–.50 46.20N 153.50E 45–5 5.7b,4.9
GCMT VIII 19 05 29 59.5–.20 46.07N–.02 153.48E–.02 18–0 4.9W,4.9
JMA VIII 19 05 30 00.8–.71 46N–4.0 153E–5.0 30 5.0,4.9
MOS VIII 19 05 30 02.4–1.0 46.19N 153.47E 59 5.1b,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=11.3km s-min=8.1km az=150.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=11.7km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108190529A. Moment Tensor Solution. s37,c51; s111,c172; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.28±.14 $M_{\theta\theta}$-1.42±.10; $M_{\phi\phi}$-0.87±.09; $M_{r\theta}$-0.05±.19; $M_{\theta\phi}$1.74±.05; $M_{\phi r}$-1.51±.20; Best double couple: NP1:ϕ_s286.00000°,δ41.00000° ,λ50.00000°. NP2:ϕ_s154.00000°,δ60.00000°,λ119.00000°. Principal axes: T 3.0120,Plg63.0000°,Azm113.0000°; N 0.0620,Plg25.0000°,Azm319.0000° ; P -3.0840,Plg11.0000°,Azm224.0000° $M_0$3.04800×10^{16}
JMA Event type ke. KURILE ISLANDS REGION .
MOS Error ellipse: s-maj=10.8km s-min=5.6km az=108.2.
ISC VIII 20 23 41 27.7–.64 50.4N–.10 153.56E–.07 300 3.8b 115 2-88
MOS VIII 20 23 41 25.9–.83 50.52N 153.17E 283 4.0b **¶620999289**
KRSC VIII 20 23 41 26.4–1.6 50.03N 154.34E 310–10 4.3L
IDC VIII 20 23 41 28.4–2.3 50.68N 153.14E 290–19 4.0,3.3b
NEIC VIII 20 23 41 31.5–.85 50.5N–.20 153.2E–.20 325–10 4.0b,3.3b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 09 58 14.1–.65 46.58N–.09 153.07E–.08 40 4.2b,2.8s 75 4-79
MOS VIII 20 09 58 11.9–1.3 46.53N 153.09E 37 4.4b,2.8s **¶621041265**
NEIC VIII 20 09 58 12.0–1.3 46.5N–.10 153.1E–.10 24–6 4.3b,2.8s
IDC VIII 20 09 58 13.8–4.4 46.54N 153.00E 32–32 3.8,3.7b
ISC Event type se.
MOS Error ellipse: s-maj=13.1km s-min=8.4km az=48.2.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=9.8km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.2km s-min=14.1km az=138.0.
ISC VIII 21 11 54 54.3–2.0 46.6N–.30 153.0E–.20 40 3.7b,3.2s 6 7-92
IDC VIII 21 11 54 47.7–2.1 46.39N 153.01E 0 3.7b,3.6 **¶621042991**
ISC Event type se.
IDC Error ellipse: s-maj=53.6km s-min=22.0km az=150.0.
ISC VIII 21 03 26 06.4–.86 44.30N–.05 148.08E–.06 91–6 4.1b 115 1-82
MOS VIII 21 03 26 05.9–1.2 44.40N 148.10E 101 4.3b **¶620999185**
IDC VIII 21 03 26 05.6–3.2 44.51N 148.20E 82–28 4.1,3.8b
SKHL VIII 21 03 26 06.7–.40 44.40N 148.00E 84–5 5.9,5.1b
JMA VIII 21 03 26 07.0–.34 44N–2.0 148E–2.0 55 4.2,5.1b
NEIC VIII 21 03 26 08.9–.92 44.33N–.10 148.0E–.10 107–7 4.2b,5.1b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 22 09 53 29.4–2.4 43.4N–.10 146.85E–.09 23–16 16 1-2
JMA VIII 22 09 53 29.8–.37 43.4N–.90 147E–2.0 44 2.5 **¶626189161**
SKHL VIII 22 09 53 29.9–.10 43.30N 146.90E 44–9 3.9b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC VIII 22 02 30 54.5–2.0 43.78N–.09 146.05E–.08 126–12 24 0-3
JMA VIII 22 02 30 53.7–.25 43.8N–.90 146E–2.0 130–2 2.9 **¶626189160**
SKHL VIII 22 02 30 54.8–.50 43.70N 146.20E 119–3 5.3,4.4b
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
ISC VIII 22 00 07 51.5–1.9 43.42N–.07 146.45E–.07 29–13 20 1-2
JMA VIII 22 00 07 51.9–.25 43.4N–.80 146E–1.0 48–2 3.1 **¶626302304**
SKHL VIII 22 00 07 52.4–.40 43.50N 146.20E 66–2 4.4b
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
ISC VIII 24 05 37 52.0–.20 48.75N–.03 154.98E–.02 43–1 5.7b,5.7s 3254 2-159
BJI VIII 24 05 37 46.6 48.93N 155.33E 33 5.9s,5.9b **¶621001087**
KRSC VIII 24 05 37 49.9–1.8 48.61N 155.31E 77–31 6.2L,5.7
PTWC VIII 24 05 37 50 48.40N 155.40E 6.2,5.7
NEIC VIII 24 05 37 51.2 48.82N 154.96E 31 6.2,5.7
NEIC VIII 24 05 37 51.9–.89 48.87N–.08 154.9E–.10 35–1 6.1,5.7b
ISC-P VIII 24 05 37 51 48.87N 154.91E 24–0 6.4,5.7b
NEIC VIII 24 05 37 52 48.81N 154.94E 38 6.4,5.7b
IPGP VIII 24 05 37 52.0 48.82N 154.96E 32 6.1W,5.7b
MOS VIII 24 05 37 52.9–.93 48.84N 154.96E 68 5.8s,5.8b
GFZ VIII 24 05 37 52.5–.17 49N–1.0 155E–2.0 45–1 6.2b,5.9
GFZ VIII 24 05 37 52.5 48.75N 154.94E 40 6.0W,5.9
SKHL VIII 24 05 37 52.0–.80 48.60N 155.50E 73–6 6.4b,6.0s
GCMT VIII 24 05 37 55.0–.10 48.64N 155.27E 43–0 6.0W,6.0s
IDC VIII 24 05 37 55.4–1.8 48.85N 154.88E 70–15 5.6s,5.2
NEIC VIII 24 05 37 58.4 48.52N 155.56E 46 6.0,5.2
BGR VIII 24 05 38 04.8 49.98N 153.85E 57–0 6.3,5.9b
ISC Event type ke.
KRSC Event type se. Felt [II-III] at Severo-Kurilsk; Felt at Petropavlovsk.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.9km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.73 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-1.04 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.47 NP1:ϕ_s37.55000°,δ56.32000°,λ92.49000°. NP2:ϕ_s213.06000°,δ33.76000° ,λ86.27000°. Principal axes: T 1.8623,Plg79.0000°,Azm316.0000°; N -0.3759,Plg2.0000° ,Azm216.0000°; P -1.4864,Plg11.0000°,Azm126.0000° $M_0$1.71000×10^{18}
ISC-P Moment Tensor Solution. s51 Moment tensor: Scale 10^{18}Nm; M_{rr}0.51±.17 $M_{\theta\theta}$-0.46±.21; $M_{\phi\phi}$-0.05±.20; $M_{r\theta}$0.25±.15; $M_{\theta\phi}$0.36±.17; $M_{\phi r}$-0.26±.23; NP1:ϕ_s263.20000°,δ30.40000° ,λ123.60000°. NP2:ϕ_s45.60000°,δ65.10000°,λ72.00000°. $M_0$4.47000×10^{18}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s227.00000°,δ34.00000°,λ92.00000°. NP2:ϕ_s45.00000° ,δ56.00000°,λ89.00000°.
MOS Error ellipse: s-maj=5.1km s-min=2.7km az=78.2.
GFZ Error ellipse: s-maj=3.7km s-min=2.2km az=116.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-0.73 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.52 NP1: ϕ_s211.59303°,δ29.38365°,λ89.34918°. NP2:ϕ_s32.33993°,δ60.61843°,λ90.36646°. Principal axes: T 1.1634,Plg74.3789°,Azm303.3023°; N 0.0365,Plg0.3193°,Azm212.1601° ; P -1.1999,Plg15.6177°,Azm122.0709° $M_0$1.18206×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108240537A. Moment Tensor Solution. s161,c385; s168,c606;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.28±.01 $M_{\theta\theta}$-0.30±.01; $M_{\phi\phi}$-0.98±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$-0.62±.01; $M_{\phi r}$0.41±.01; Best double couple: NP1:ϕ_s210.00000°,δ35.00000°,λ89.00000°. NP2:ϕ_s31.00000°,δ55.00000°,λ90.00000°. Principal axes: T 1.3670,Plg80.0000°,Azm302.0000°; N 0.0730,Plg0.0000°,Azm211.0000° ; P -1.4380,Plg10.0000°,Azm121.0000° $M_0$1.40300×10^{18}
IDC Error ellipse: s-maj=11.1km s-min=8.1km az=138.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4s5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-0.83 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.41 $M_{\phi r}$0.27 NP1:ϕ_s206.22000°,δ36.82000° ,λ89.88000°. NP2:ϕ_s26.37000°,δ53.18000°,λ90.09000°. Principal axes: T 1.0894,Plg82.0000°,Azm297.0000°; N -0.0090,Plg0.0000°,Azm206.0000° ; P -1.0805,Plg8.0000°,Azm116.0000° $M_0$1.09000×10^{18}
BGR Event type ke.
ISC VIII 23 18 49 33.5–.91 47.29N–.07 153.15E–.07 101–7 4.1b 121 4-77
SKHL VIII 23 18 49 32.0–.70 47.20N 153.40E 115–4 5.8,5.4b **¶621001056**
MOS VIII 23 18 49 32.6–.94 47.32N 153.02E 108 4.1b,5.4b
NEIC VIII 23 18 49 33.3–1.8 47.3N–.10 153.1E–.10 90–5 4.3b,5.4b
IDC VIII 23 18 49 34.4–2.0 47.40N 152.98E 101–17 3.9,3.5b
JMA VIII 23 18 49 39.5–.91 46N–4.0 153E–7.0 194 4.1,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC VIII 24 03 50 41.0–.51 44.47N–.04 147.68E–.04 112–4 4.5b 674 1-153
MOS VIII 24 03 50 39.9–.98 44.48N 147.70E 115 4.7b **¶621001081**
BJI VIII 24 03 50 39.9 44.41N 147.57E 112 4.8b,4.7b
IDC VIII 24 03 50 40.4–1.7 44.61N 147.61E 103–14 4.5,4.2b
NEIC VIII 24 03 50 40.7–1.4 44.55N–.07 147.70E–.07 102–5 4.5b,4.2b
GFZ VIII 24 03 50 41.5–.50 45N–4.0 148E–3.0 111–4 4.8,4.7b
SKHL VIII 24 03 50 41.9–.30 44.50N 147.70E 117–6 6.5,5.6b
BGR VIII 24 03 50 42.9 45.81N 145.21E 33 5.0b,5.6b
JMA VIII 24 03 50 42.2–.28 44N–1.0 148E–2.0 125–4 4.8,5.6b
NIED VIII 24 03 50 42.2 44.25N 147.62E 125 4.3W,5.6b
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=6.9km s-min=5.3km az=101.4. Felt (II-III) at Yuzhno-Kuril'sk, (II) at Reydovo. Moment Tensor Solution.
IDC Error ellipse: s-maj=12.4km s-min=9.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.2km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.3km s-min=6.7km az=158.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
JMA Event type fe. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.64 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-2.40 $M_{r\theta}$1.40 $M_{\theta\phi}$-0.05 $M_{\phi r}$1.13 NP1:ϕ_s166.00000°,δ35.00000°,λ57.00000°. NP2:ϕ_s24.00000° ,δ61.00000°,λ111.00000°. $M_0$3.04000×10^{15}
ISC VIII 24 06 39 14.6–2.8 43.8N–.10 147.9E–.20 70 16 1-4
JMA VIII 24 06 39 16.0–.71 44N–2.0 147E–4.0 0 3.5 **¶626189294**
SKHL VIII 24 06 39 16.0–.30 43.80N 147.90E 65–5 4.1b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
IDC VIII 24 21 47 04.7–598 50.54N 155.79E 0 ¶621049352
IDC Error ellipse: s-maj=238.5km s-min=63.6km az=23.0.
ISC VIII 24 13 27 10.8–.62 49.76N–.06 156.27E–.05 82–4 4.4b 309 1-127
MOS VIII 24 13 27 04.3–.84 49.38N 156.13E 58 4.7b,3.1s **¶621002165**
KRSC VIII 24 13 27 07.9–2.5 49.60N 157.15E 50–40 4.5L,3.1s
IDC VIII 24 13 27 13.4–1.9 49.92N 155.96E 98–16 4.2,3.8b
NEIC VIII 24 13 27 13.3–1.1 49.88N–.09 156.1E–.10 97–3 4.4b,3.8b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC VIII 26 16 57 09.5–2.0 49.59N 156.99E 43–26 3.6L ¶621008926
KRSC Event type se.
ISC VIII 24 15 13 05.0–2.8 43.9N–.10 147.1E–.10 25–19 15 1-3
SKHL VIII 24 15 13 07.0–.10 44.00N 147.00E 57–2 4.0b **¶626189295**
JMA VIII 24 15 13 07.5–.33 44N–1.0 147E–2.0 63 2.8
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
ISC VIII 27 02 30 55.2–.59 44.82N–.05 147.55E–.05 125–5 3.9b 103 0-82
MOS VIII 27 02 30 54.6–1.4 44.92N 147.46E 132 4.0b **¶621008323**
SKHL VIII 27 02 30 55.6–.10 44.80N 147.60E 124–5 5.9,5.3b
JMA VIII 27 02 30 55.7–.49 45N–2.0 148E–3.0 120 3.4,5.3b
NEIC VIII 27 02 30 56.3–2.4 44.90N–.06 147.5E–.10 129–9 4.2b,5.3b
IDC VIII 27 02 30 57.5–.94 45.54N 147.19E 120–7 3.8,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=11.6km s-min=9.6km az=47.3.
JMA Event type ke. NEAR ETOROFU ISLAND .
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.5km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.3km s-min=12.9km az=161.0.
ISC VIII 26 14 51 57.2–2.3 49.1N–.20 156.4E–.10 100 3.9b 29 2-63
IDC VIII 26 14 52 02.5–7.7 49.43N 156.02E 146–51 3.9,3.5b **¶621008925**
KRSC VIII 26 14 52 04.4–1.7 49.51N 157.16E 50–25 4.1L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=93.8km s-min=54.6km az=136.0.
KRSC Event type se.
ISC IX 05 17 03 53.8–.48 45.48N–.05 149.64E–.06 100 4.1b 159 1-150
MOS IX 05 17 03 54.8–1.3 45.47N 149.54E 130 4.1b **¶621035628**
NEIC IX 05 17 03 55.8–1.7 45.5N–.10 149.65E–.06 116–12 4.3b
SKHL IX 05 17 03 55.5–.10 45.40N 149.60E 119–6 6.3,5.6b
IDC IX 05 17 03 58.0–1.8 45.68N 149.45E 137–16 4.0,3.5b
JMA IX 05 17 03 58.3–.56 45N–2.0 149E–3.0 135 4.0,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SE OFF ETOROFU .
ISC VIII 29 20 08 18.3–.39 48.39N–.04 154.64E–.04 56–2 4.7b,3.7s 806 2-154
KRSC VIII 29 20 08 15.9–2.2 48.23N 156.07E 23–33 5.4L,3.7s **¶621010012**
BGR VIII 29 20 08 17.6 48.27N 153.97E 33 4.6b,3.7s
MOS VIII 29 20 08 17.8–1.0 48.46N 154.57E 66 4.9b,3.2s
NEIC VIII 29 20 08 18.9–1.9 48.43N–.09 154.5E–.10 57–5 4.7b,3.2s
GFZ VIII 29 20 08 18.0–.52 48N–3.0 154E–3.0 44–4 4.8b,4.8
SKHL VIII 29 20 08 18.0–.00 48.30N 154.90E 76–4 5.6b,4.8
IDC VIII 29 20 08 20.8–2.0 48.51N 154.39E 75–17 4.6,4.3b
JMA VIII 29 20 08 25.4–.98 47N–4.0 155E–7.0 2 4.6,4.3b
ISC Event type ke.
KRSC Event type se.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. FAR FIELD .
ISC IX 01 12 36 07.5–4.4 44.9N–.10 149.6E–.20 60 16 1-5
JMA IX 01 12 36 06.8–1.0 45N–5.0 149E–6.0 30 3.5 **¶626357908**
SKHL IX 01 12 36 07.0–.30 45.10N 149.70E 48–5 4.1b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC IX 01 23 13 50.4–1.9 44.5N–.10 148.7E–.10 55 15 1-9
SKHL IX 01 23 13 49.9–.20 44.50N 148.80E 53–6 4.5b **¶626357911**
JMA IX 01 23 13 49.1–1.2 44N–4.0 149E–7.0 30 4.0
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC IX 04 01 48 29.1–2.3 50.04N 154.52E 295–24 3.9L
¶621035452
KRSC Event type se.
ISC IX 04 02 40 29.3–1.9 43.5N–.10 146.92E–.09 24 12 1-2
SKHL IX 04 02 40 30.9–.00 43.40N 147.00E 47–7 4.4b **¶626358041**
JMA IX 04 02 40 31.8–.41 44N–1.0 147E–2.0 36 3.1
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC VIII 29 16 38 43.7–.90 48.7N–.10 155.2E–.10 43 3.5b 35 2-137
KRSC VIII 29 16 38 45.2–3.1 48.72N 156.85E 7–42 4.3L **¶621011003**
IDC VIII 29 16 38 49.5–2.3 49.01N 155.08E 97–20 3.6,3.2b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=15.0km az=122.0.
ISC IX 01 16 22 46.5–4.3 44.1N–.10 149.8E–.20 35 17 2-6
SKHL IX 01 16 22 46.8–.20 44.30N 149.90E 40–9 4.1b **¶626357910**
JMA IX 01 16 22 48.1–.88 44N–3.0 149E–5.0 30 3.3
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
JMA IX 02 22 17 47.3–.93 46N–4.0 150E–6.0 30 3.7
¶626521703
JMA Event type ke. KURILE ISLANDS REGION .
ISC VIII 28 07 29 46.5–1.3 50.0N–.20 154.2E–.10 200 3.2b 23 1-75
IDC VIII 28 07 29 47.6–5.6 50.15N 153.88E 203–35 3.5,3.0b **¶621009919**
KRSC VIII 28 07 29 47.1–2.0 49.75N 155.10E 216–17 4.0L,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=70.6km s-min=20.6km az=179.0.
KRSC Event type se.
ISC VIII 29 08 37 37.7–.66 44.43N–.06 149.28E–.07 35 3.6b 47 1-81
NIED VIII 29 08 37 36.9 44.41N 149.16E 30 3.9W **¶621024211**
SKHL VIII 29 08 37 36.4–.70 44.50N 149.40E 29–8 4.8b
JMA VIII 29 08 37 36.9–.69 44N–2.0 149E–4.0 30 4.1
IDC VIII 29 08 37 41.5–3.5 44.48N 149.04E 67–30 3.7,3.4L
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.20 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-4.97 $M_{r\theta}$-0.92 $M_{\theta\phi}$-2.21 $M_{\phi r}$5.75 NP1:ϕ_s225.00000°,δ27.00000°,λ135.00000°. NP2:ϕ_s357.00000° ,δ71.00000°,λ70.00000°. M_o7.75000×10^{14}
JMA Event type ke. SE OFF ETOROFU .
IDC Error ellipse: s-maj=20.7km s-min=17.6km az=119.0.
KRSC VIII 30 02 06 29.0–2.0 49.12N 153.85E 305–19 3.7L
¶621011468
KRSC Event type se.
JMA VIII 30 02 58 10.8–1.1 46N–4.0 151E–7.0 30 4.0
¶626308215
JMA Event type ke. KURILE ISLANDS REGION .
ISC IX 03 22 10 55.4–.52 46.12N–.05 150.97E–.05 104–4 4.0b 208 2-150
MOS IX 03 22 10 54.8–1.1 46.14N 151.06E 110 4.3b **¶621030508**
SKHL IX 03 22 10 54.9–.40 46.00N 151.20E 105–5 5.5,4.8b
IDC IX 03 22 10 55.1–.54 46.38N 150.73E 99–4 4.0,3.6b
NEIC IX 03 22 10 57.1–1.4 46.36N–.09 150.73E–.07 102–5 4.3b,3.6b
JMA IX 03 22 11 01.1–.63 46N–3.0 151E–4.0 130 3.8,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC IX 04 17 11 57.6–3.3 44.33N–.08 148.5E–.20 35 20 1-5
NIED IX 04 17 11 58.2 43.97N 148.12E 0 3.6W **¶621146455**
JMA IX 04 17 11 58.2–.48 44N–2.0 148E–3.0 0 3.8
SKHL IX 04 17 11 59.3–.10 44.40N 148.30E 48–2 4.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.95 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-0.61 $M_{r\theta}$1.54 $M_{\theta\phi}$-0.53 $M_{\phi r}$1.84 NP1:ϕ_s215.00000°,δ11.00000°,λ86.00000°. NP2:ϕ_s40.00000° ,δ79.00000°,λ91.00000°. M_o2.59000×10^{14}
JMA Event type ke. SE OFF ETOROFU .
ISC IX 06 09 06 39.1–.42 45.81N–.05 150.94E–.05 88 4.5b 197 2-150
SKHL IX 06 09 06 39.2–.10 45.80N 151.10E 93–6 6.2,5.3b **¶621037052**
MOS IX 06 09 06 39.6–1.1 45.91N 150.94E 102 4.5b,5.3b
JMA IX 06 09 06 40.8–.67 45N–3.0 151E–4.0 30 4.7,5.3b
NEIC IX 06 09 06 42.6–.99 46.1N–.10 150.7E–.10 106–7 4.5b,5.3b
IDC IX 06 09 06 44.9–1.9 46.16N 150.67E 130–17 4.1,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=9.2km s-min=6.8km az=59.5.
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.0km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.3km s-min=10.2km az=142.0.
ISC IX 06 22 13 42.5–2.6 44.2N–.10 147.5E–.10 0–17 12 1-4
JMA IX 06 22 13 44.4–.71 44N–2.0 147E–4.0 0 3.6 **¶626358130**
SKHL IX 06 22 13 44.6–.20 44.10N 147.60E 58–2 4.3b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC IX 06 05 36 15.4–.63 46.95N–.08 152.90E–.08 56 4.2b 70 4-139
SKHL IX 06 05 36 12.7–.50 46.70N 153.40E 71–5 4.7b **¶621094232**
NEIC IX 06 05 36 15.8–1.4 46.97N–.08 152.7E–.10 55–7 4.2b
IDC IX 06 05 36 18.8–2.4 47.09N 152.83E 80–20 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.9km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.6km s-min=11.6km az=149.0.
ISC IX 06 03 42 06.9–.62 45.36N–.09 151.92E–.06 30 4.3b,3.6s 108 3-79
SKHL IX 06 03 42 02.7–.50 45.20N 152.50E 50–5 4.3b,3.6s **¶621094224**
IDC IX 06 03 42 04.0–.86 45.78N 151.72E 0 3.9b,3.9
NEIC IX 06 03 42 05.3–1.8 45.7N–.10 151.87E–.03 10–1 4.6b,3.9
MOS IX 06 03 42 07.8–1.1 45.59N 151.80E 46 4.7b,3.9
JMA IX 06 03 42 09.7–1.1 45N–5.0 152E–7.0 30 4.1,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
KRSC IX 07 03 10 29.4–3.0 49.45N 156.96E 40–27 4.0L
¶621042368
KRSC Event type se.
ISC IX 06 15 27 46.3–2.5 43.7N–.10 147.5E–.10 50 14 1-5
SKHL IX 06 15 27 47.2–.10 43.70N 147.50E 52–7 3.6b **¶626358129**
JMA IX 06 15 27 48.2–.41 44N–2.0 147E–3.0 128 2.6
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
ISC IX 07 16 13 16.7–.84 50.64N–.09 156.48E–.10 133–6 3.4b 48 0-136
KRSC IX 07 16 13 16.3–1.9 50.52N 156.90E 120–20 4.2L **¶621042369**
IDC IX 07 16 13 18.1–1.8 50.84N 156.19E 141–17 3.6,3.2b
ISC Event type ke.
KRSC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=12.4km az=145.0.
ISC IX 08 13 34 31.6–.75 45.61N–.10 151.92E–.07 30 4.3b,3.0s 58 3-77
IDC IX 08 13 34 27.1–1.2 45.60N 151.54E 0 4.1b,4.0 **¶621105780**
NEIC IX 08 13 34 28.6–.88 45.59N–.08 152.0E–.10 10–1 4.1b,4.0
MOS IX 08 13 34 29.4–1.0 45.52N 151.98E 36 4.5b,4.0
SKHL IX 08 13 34 30.4–.10 45.70N 152.10E 39–2 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=17.1km az=148.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=7.4km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.6km s-min=9.6km az=56.3.
ISC IX 07 21 33 20.1–2.5 43.75N–.09 147.34E–.10 8–12 17 1-3
JMA IX 07 21 33 23.1–.63 44N–2.0 147E–3.0 0 3.1 **¶626358175**
SKHL IX 07 21 33 24.4–.20 43.80N 147.30E 47–2 4.0b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC IX 08 20 19 06.2–1.4 44.20N–.09 147.8E–.10 112–12 25 1-26
SKHL IX 08 20 19 05.5–.10 44.20N 147.90E 119–4 5.2,4.6b **¶626358200**
JMA IX 08 20 19 07.5–.38 44N–1.0 147E–3.0 145 3.5,4.6b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
ISC IX 10 05 47 57.7–2.1 43.7N–.10 147.3E–.10 62–38 22 1-3
SKHL IX 10 05 47 58.5–.10 43.70N 147.30E 69–5 4.9b **¶626358255**
JMA IX 10 05 47 58.5–.37 44N–1.0 147E–2.0 84 3.1
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC IX 10 14 43 17.6–3.6 44.3N–.10 148.6E–.20 35 19 1-5
JMA IX 10 14 43 19.1–.32 44N–2.0 148E–2.0 0 3.5 **¶626358256**
SKHL IX 10 14 43 20.0–.40 44.40N 148.50E 35–4 4.1b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC IX 15 00 49 17.3–3.5 44.38N–.09 148.5E–.20 55 20 1-5
SKHL IX 15 00 49 19.3–.10 44.40N 148.40E 56–6 4.6b **¶626358468**
JMA IX 15 00 49 19.9–.72 44N–2.0 148E–4.0 0 4.2
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC IX 10 20 00 53.1–.70 45.41N–.05 151.94E–.05 25–4 4.7b,3.9s 404 3-93
BJI IX 10 20 00 46.6 45.45N 152.22E 5 4.8b,4.8b **¶621108539**
NEIC IX 10 20 00 50.5–1.3 45.51N–.09 151.8E–.10 6–4 4.8b,4.8b
IDC IX 10 20 00 50.4–.57 45.60N 151.86E 0 4.2b,4.2
SKHL IX 10 20 00 52.9–.10 45.30N 152.10E 40–4 5.0b,4.2
MOS IX 10 20 00 53.7–1.1 45.50N 151.83E 39 4.9b,4.2
JMA IX 10 20 00 56.1–1.1 45N–4.0 152E–7.0 30 4.6,4.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC IX 10 20 10 42.2–.66 45.50N–.06 152.00E–.05 26–4 4.8b,4.0s 590 3-153
BJI IX 10 20 10 36.2 45.46N 152.11E 5 4.8b,4.8b **¶621061019**
NEIC IX 10 20 10 39.9–1.7 45.54N–.08 152.0E–.10 10–1 4.9b,4.8b
SKHL IX 10 20 10 41.7–.10 45.30N 152.10E 52–7 5.2b,4.8b
GFZ IX 10 20 10 41.5–.28 46N–5.0 152E–4.0 10 5.2b,4.9b
MOS IX 10 20 10 42.0–1.2 45.44N 151.87E 38 5.1b,4.9b
IDC IX 10 20 10 45.4–2.1 45.62N 151.84E 42–18 4.3,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.2km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
MOS Error ellipse: s-maj=6.1km s-min=4.8km az=106.6.
IDC Error ellipse: s-maj=15.9km s-min=11.2km az=147.0.
ISC IX 13 04 51 11.5–2.4 43.7N–.10 147.3E–.10 45 13 1-3
JMA IX 13 04 51 10.8–.76 44N–2.0 147E–3.0 3–4 3.2 **¶626358357**
SKHL IX 13 04 51 16.4–.10 44.10N 147.10E 41–4 4.1b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC IX 14 17 18 52.5–3.4 43.17N–.10 146.39E–.07 14–18 16 1-2
JMA IX 14 17 18 53.8–.15 43.2N–.40 146.4E–.90 54–1 3.3 **¶626358396**
SKHL IX 14 17 18 54.5–.10 43.10N 146.40E 38–2 4.3b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC IX 16 06 56 48.3–1.3 44.35N–.06 149.19E–.08 42–12 3.9b 82 1-81
MOS IX 16 06 56 47.6–1.2 44.42N 149.15E 53 4.1b **¶621079073**
SKHL IX 16 06 56 47.9–.10 44.40N 149.30E 45–5 4.8b
NIED IX 16 06 56 48.9 44.24N 148.94E 30 3.9W
JMA IX 16 06 56 48.9–.96 44N–3.0 149E–5.0 30 3.7
NEIC IX 16 06 56 49.6–.66 44.5N–.10 148.9E–.20 45–9 4.2b
IDC IX 16 06 56 51.9–2.8 44.54N 149.23E 75–23 3.8,3.5b
ISC Event type ke.
MOS Error ellipse: s-maj=10.7km s-min=8.4km az=80.8.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.94 $M_{\theta\theta}$1.59 $M_{\phi\phi}$-2.53 $M_{r\theta}$6.54 $M_{\theta\phi}$-1.64 $M_{\phi r}$1.94 NP1:ϕ_s165.00000°,δ21.00000°,λ7.00000°. NP2:ϕ_s68.00000° ,δ87.00000°,λ111.00000°. M_o7.30000×10^{14}
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=12.2km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.0km s-min=16.1km az=139.0.
ISC IX 17 14 58 47.7–.49 47.68N–.06 152.57E–.06 128 4.3b 304 4-82
MOS IX 17 14 58 46.5–1.0 47.75N 152.48E 122 4.3b **¶621081713**
IDC IX 17 14 58 47.9–2.2 47.61N 152.74E 134–19 4.2,3.8b
SKHL IX 17 14 58 47.6–.30 48.00N 152.30E 111–6 5.7,5.2b
NEIC IX 17 14 58 49.2–1.3 47.9N–.10 152.6E–.20 131–7 4.3b,5.2b
JMA IX 17 14 58 52.0–.63 47N–4.0 153E–5.0 204 4.0,5.2b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC IX 19 11 19 49.1–.73 46.28N–.09 153.04E–.08 40 4.0b,3.4s 69 4-79
SKHL IX 19 11 19 48.5–.10 46.30N 153.10E 100–9 5.3,4.8b **¶621113621**
IDC IX 19 11 19 49.5–2.9 46.31N 153.00E 43–26 3.8,3.6b
JMA IX 19 11 19 51.6–1.1 46N–5.0 153E–7.0 30 3.9,3.6b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
ISC IX 18 12 29 13.0–1.1 47.2N–.10 154.0E–.10 27 3.4b 9 6-77
IDC IX 18 12 29 08.5–1.1 47.00N 154.02E 0 3.6,3.4b **¶621113563**
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=14.5km az=136.0.
ISC IX 17 19 36 05.2–.31 48.07N–.04 154.10E–.04 74–2 5.0b 875 3-148
BJI IX 17 19 36 04.0 48.12N 154.23E 94 4.8b,4.8b **¶621082824**
MOS IX 17 19 36 04.3–1.1 48.10N 154.04E 81 4.7b,4.8b
SKHL IX 17 19 36 04.8–.30 48.00N 154.30E 90–8 6.4,5.6b
GFZ IX 17 19 36 05.8–.23 48N–3.0 154E–3.0 66–1 5.6,5.6L
IDC IX 17 19 36 05.8–.52 48.22N 153.81E 68–4 4.7,4.4b
GCMT IX 17 19 36 06.6–.30 48.04N–.02 154.23E–.03 60–2 4.9W,4.4b
BGR IX 17 19 36 07.6 49.37N 153.34E 33 4.9b,4.4b
JMA IX 17 19 36 07.0–1.2 47N–4.0 154E–8.0 0 5.0,4.4b
NEIC IX 17 19 36 07.5–1.5 48.25N–.09 153.9E–.10 88–5 5.0b,4.4b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109171936A. Moment Tensor Solution. s43,c57; s107,c164; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.91±.14 $M_{\theta\theta}$-1.26±.12; $M_{\phi\phi}$-0.65±.11; $M_{r\theta}$1.72±.08; $M_{\theta\phi}$-1.93±.08; $M_{\phi r}$0.08±.06; Best double couple: NP1:ϕ_s200.00000°,δ38.00000° ,λ42.00000°. NP2:ϕ_s75.00000°,δ66.00000°,λ120.00000°. Principal axes: T 2.8390,Plg58.0000°,Azm27.0000°; N 0.4400,Plg27.0000°,Azm241.0000° ; P -3.2840,Plg15.0000°,Azm143.0000° M_o3.06200×10^{16}
BGR Event type ke.
JMA Event type ke. FAR FIELD .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 19 19 12 04.5–.82 47.3N–.10 152.4E–.10 150 3.6b 39 4-82

SKHL IX 19 19 12 05.4–.10 45.20N 153.50E 48–7 4.3b ¶626358673
IDC IX 19 19 12 06.2–2.2 47.55N 152.28E 155–19 3.8,3.4b
JMA IX 19 19 12 08.6–.64 47N–4.0 152E–5.0 133 3.4,3.4b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
ISC IX 20 05 53 17.6–.56 44.87N–.05 147.73E–.05 161–4 4.2b 194 0-83
MOS IX 20 05 53 17.0–1.1 45.10N 147.55E 160 4.2b ¶621083225
SKHL IX 20 05 53 17.4–.50 44.90N 147.80E 149–4 5.7,5.3b
NEIC IX 20 05 53 18.3–1.0 45.09N–.09 147.5E–.10 156–2 4.3b,5.3b
JMA IX 20 05 53 19.2–.50 45N–2.0 148E–3.0 162 4.3,5.3b
IDC IX 20 05 53 19.7–1.6 45.12N 147.58E 169–14 4.2,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=10.5km s-min=6.9km az=76.4.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.9km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR ETOROFU ISLAND .
IDC Error ellipse: s-maj=15.2km s-min=11.4km az=160.0.
ISC IX 21 06 54 08.3–.81 46.15N–.08 152.78E–.08 31 3.7b,2.6s 57 4-149
SKHL IX 21 06 54 08.4–.10 46.20N 152.90E 52–8 5.0b,2.6s ¶621116021
MOS IX 21 06 54 11.1–1.2 45.32N 153.55E 45 4.1b,2.6s
JMA IX 21 06 54 11.8–.81 46N–4.0 152E–5.0 30 4.9,2.6s
IDC IX 21 06 54 14.1–3.0 46.64N 152.39E 73–28 3.8,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=16.5km s-min=10.0km az=150.1.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=40.5km s-min=16.7km az=158.0.
ISC IX 20 20 25 27.0–.18 46.33N–.02 152.47E–.02 40–1 6.0b,5.9s 2806 3-159
BJI IX 20 20 25 21.4 46.49N 152.52E 14 6.1s,6.0b ¶621086648
GFZ IX 20 20 25 23.8 46.37N 152.45E 38 6.1W,6.0b
MOS IX 20 20 25 23.5–.99 46.31N 152.54E 27 6.1b,5.9s
PTWC IX 20 20 25 23 46.30N 152.60E 10 6.5,5.9s
IPGP IX 20 20 25 25.0 46.41N 152.41E 39 6.1W,5.9s
NEIC IX 20 20 25 25.6 46.41N 152.41E 25 6.1W,5.9s
ISC-P IX 20 20 25 26 46.39N 152.49E 28–0 6.6,5.9s
NEIC IX 20 20 25 26.5–2.4 46.39N–.07 152.49E–.09 35–1 6.1b,6.1
SKHL IX 20 20 25 26.0–.60 46.10N 152.90E 61–4 6.5b,6.5
IDC IX 20 20 25 26.1–2.1 46.33N 152.47E 33–15 5.9L,5.8s
JMA IX 20 20 25 27.7–.81 46N–3.0 153E–5.0 30 6.6,6.2W
GFZ IX 20 20 25 27.1–.12 46N–1.0 152E–2.0 36–0 6.6L,6.4b
NEIC IX 20 20 25 29.3 46.40N 152.46E 60 6.6L,6.4b
GCMT IX 20 20 25 30.4–.00 46.23N 152.58E 41–0 6.2W,6.4b
BGR IX 20 20 25 30.8 46.04N 148.52E 33 6.0s,5.9b
NEIC IX 20 20 25 34.2 46.31N 152.70E 40 6.1,5.9b
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}1.27 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-1.75 $M_{r\theta}$-0.67 $M_{\theta\phi}$0.83 $M_{\phi r}$-0.68 NP1: ϕ_s191.79937°,δ61.79566°,λ130.57389°. NP2:ϕ_s310.69461°,δ47.98057°,λ39.50636°.
Principal axes: T 1.9298,Plg53.8539°,Azm153.0355°; N 0.1568,Plg34.9738°,Azm349.7658° ; P -2.0866,Plg7.9977°,Azm254.1254° $M_0$2.01281×10^{18}
MOS Error ellipse: s-maj=5.4km s-min=3.8km az=102.5. Moment Tensor Solution.
IPGP Moment Tensor Solution. NP1:ϕ_s191.00000°,δ56.00000°,λ126.00000°. NP2:ϕ_s319.00000° ,δ48.00000°,λ49.00000°.
NEIC Event type se.
ISC-P Moment Tensor Solution. s49 Moment tensor: Scale 10^{18}Nm; M_{rr}0.21±.09 $M_{\theta\theta}$0.47±.14; $M_{\phi\phi}$-0.68±.13; $M_{r\theta}$-0.19±.23; $M_{\theta\phi}$0.26±.17; $M_{\phi r}$-0.18±.12; NP1:ϕ_s231.20000°,δ58.20000° ,λ166.90000°. NP2:ϕ_s328.20000°,δ78.90000°,λ32.50000°. M_θ9.89000×10^{18}
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.9km az=326.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.93 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.34 $M_{r\theta}$-0.39 $M_{\theta\phi}$0.81 $M_{\phi r}$-0.28 NP1:ϕ_s306.12000°,δ54.21000°,λ39.45000°. NP2:ϕ_s190.42000°,δ58.97000° ,λ136.96000°. Principal axes: T 1.3102,Plg51.0000°,Azm156.0000°; N 0.3488,Plg39.0000° ,Azm342.0000°; P -1.6590,Plg3.0000°,Azm249.0000° $M_0$1.52000×10^{18}
IDC Error ellipse: s-maj=11.2km s-min=8.1km az=143.0.
JMA Event type fe. KURILE ISLANDS REGION .
GFZ Error ellipse: s-maj=3.4km s-min=2.6km az=115.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109202025A. Moment Tensor Solution.
s159,c390; s168,c657;Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}1.29±.01 $M_{\theta\theta}$0.95±.01; $M_{\phi\phi}$-2.25±.01; $M_{r\theta}$-1.02±.01; $M_{\theta\phi}$1.13±.01; $M_{\phi r}$-0.36±.01; Best double couple: NP1:ϕ_s307.00000°,δ60.00000°,λ35.00000°. NP2:ϕ_s198.00000°,δ61.00000°,λ145.00000°.
Principal axes: T 2.3810,Plg45.0000°,Azm162.0000°; N 0.2190,Plg45.0000°,Azm343.0000° ; P -2.6090,Plg1.0000°,Azm253.0000° $M_0$2.49500×10^{18}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 5s8 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.60 $M_{r\theta}$-0.92 $M_{\theta\phi}$0.62 $M_{\phi r}$-0.20 NP1:ϕ_s186.81000°,δ49.75000° ,λ128.17000°. NP2:ϕ_s316.24000°,δ53.12000°,λ53.87000°. Principal axes:
T 2.0213,Plg62.0000°,Azm164.0000°; N -0.2181,Plg28.0000°,Azm340.0000° ; P -1.8032,Plg2.0000°,Azm71.0000° $M_0$1.92000×10^{18}
ISC IX 21 19 33 52.6–.47 43.48N–.04 146.24E–.04 72–3 4.4b 318 0-93
NEIC IX 21 19 33 52.8–1.6 43.56N–.07 146.2E–.10 75–7 4.5b ¶621094744
MOS IX 21 19 33 52.0–1.1 43.47N 146.27E 62 4.4b
NIED IX 21 19 33 53.8 43.47N 146.24E 67 4.1W
JMA IX 21 19 33 53.8–.16 43.5N–.50 146.2E–.90 67–1 4.6,4.1
SKHL IX 21 19 33 54.0–.40 43.50N 146.30E 77–3 5.8b,4.1
IDC IX 21 19 33 55.1–2.0 43.66N 146.18E 87–15 4.1,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.2km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Error ellipse: s-maj=8.5km s-min=6.2km az=108.7. Felt (III-IV) at Goryachyy Plyazh, Yuzhno-Kuril'sk; (III) at Golovnino, Malokuril'skoye. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.68 $M_{r\theta}$-1.20 $M_{\theta\phi}$-0.50 $M_{\phi r}$-0.82 NP1:ϕ_s3.00000°,δ20.00000°,λ43.00000°. NP2:ϕ_s232.00000° ,δ76.00000°,λ105.00000°. $M_0$1.69000×10^{15}
JMA Event type fe. NEAR KUNASHIRI ISLAND .
IDC Error ellipse: s-maj=16.4km s-min=13.1km az=156.0.
ISC IX 21 02 12 47.5–.85 44.34N–.05 148.07E–.06 94–7 4.1b 98 1-82
SKHL IX 21 02 12 47.2–.10 44.40N 148.10E 107–8 5.8,5.2b ¶621093585
MOS IX 21 02 12 47.1–1.2 44.51N 147.89E 85 4.2b,5.2b
IDC IX 21 02 12 48.1–2.5 44.51N 147.89E 98–23 3.8,3.5b
NIED IX 21 02 12 49.3 44.01N 148.10E 85 3.8W,3.5b
JMA IX 21 02 12 49.3–.32 44N–2.0 148E–2.0 85 4.3,3.5b
NEIC IX 21 02 12 49.8–1.8 44.4N–.20 147.9E–.10 112–4 4.4b,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.36 $M_{\theta\theta}$4.69 $M_{\phi\phi}$-0.33 $M_{r\theta}$0.48 $M_{\theta\phi}$-4.21 $M_{\phi r}$1.55 NP1:ϕ_s272.00000°,δ51.00000°,λ-132.00000°. NP2:ϕ_s147.00000° ,δ54.00000°,λ-50.00000°. $M_0$6.21000×10^{14}
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 14 41 49.8–1.1 50.8N–.10 155.8E–.10 158–9 3.1b 23 0-77
KRSC IX 27 14 41 50.5–3.1 50.74N 156.19E 154–21 3.7L ¶621111239
IDC IX 27 14 41 52.1–2.4 51.14N 155.59E 177–23 3.3,2.9b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=31.2km az=142.0.
ISC IX 24 16 26 43.2–1.2 46.8N–.20 149.4E–.20 10 3.7b,3.6s 7 2-91
IDC IX 24 16 26 40.8–1.1 46.70N 149.47E 0 3.6b,3.6 ¶621126450
SKHL IX 24 16 26 58.8–.10 45.10N 152.30E 63–6 4.5b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=20.9km az=116.0.
ISC IX 25 06 46 49.6–.86 48.62N–.09 155.6E–.10 50 3.6b 56 2-137
KRSC IX 25 06 46 52.8–2.2 48.76N 156.63E 30–41 4.2L ¶621110198
IDC IX 25 06 46 56.2–2.4 49.04N 154.83E 98–21 3.7,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=15.9km az=124.0.
KRSC IX 25 19 12 45.4–2.5 50.19N 157.62E 61–29 3.7L
¶621110199
KRSC Event type se.
ISC X 01 06 10 15.0–2.1 44.05N–.09 147.7E–.10 10 21 1-4
SKHL X 01 06 10 16.4–.50 43.90N 148.10E 45–4 4.4b ¶621395299
NIED X 01 06 10 20.8 43.81N 147.21E 0 3.8W
JMA X 01 06 10 20.8–.65 44N–2.0 147E–3.0 0 3.5
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}2.72 $M_{\theta\theta}$-1.25 $M_{\phi\phi}$-1.46 $M_{r\theta}$2.96 $M_{\theta\phi}$-0.38 $M_{\phi r}$4.10 NP1:ϕ_s217.00000°,δ12.00000°,λ91.00000°. NP2:ϕ_s36.00000° ,δ78.00000°,λ90.00000°. $M_0$5.53000×10^{14}
JMA Event type ke. E OFF HOKKAIDO .
KRSC IX 29 14 49 06.1–2.1 49.15N 156.62E 9–20 3.8L
¶621113287
KRSC Event type se.
ISC IX 30 21 14 56.7–.95 44.64N–.09 149.13E–.09 35 3.5b 27 1-79
IDC IX 30 21 14 46.4–2.8 43.78N 149.18E 0 3.5b,3.5 ¶621147791
SKHL IX 30 21 14 58.3–.20 44.70N 149.10E 50–4 4.8b,3.5
JMA IX 30 21 14 58.2–1.0 45N–4.0 149E–6.0 30 4.1,3.5
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC IX 28 20 32 56.3–1.9 50.53N 157.20E 54–21 4.1L
¶621112599
KRSC Event type se.
SKHL IX 29 11 07 17.3–.50 45.00N 149.50E 50–5 4.7b
JMA IX 29 11 07 17.6–.88 45N–3.0 149E–5.0 30 4.0 ¶626359145
JMA Event type ke. SE OFF ETOROFU .
ISC X 04 05 37 00.7–3.6 45.20N–.08 149.5E–.20 60 19 1-7
SKHL X 04 05 37 02.6–.20 45.30N 149.20E 117–7 5.5,5.0b ¶626627307
JMA X 04 05 37 05.7–.68 45N–2.0 149E–4.0 30 3.7,5.0b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
ISC X 01 17 14 31.2–.93 46.8N–.10 153.0E–.10 56 3.6b 24 4-139
SKHL X 01 17 14 30.0–.20 45.90N 153.60E 55–5 4.7b ¶621147838
IDC X 01 17 14 33.7–2.7 46.98N 152.85E 75–22 3.7,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=15.2km az=137.0.
ISC X 06 13 06 12.7–.43 49.54N–.05 156.03E–.04 91–3 4.8b 835 1-146
BGR X 06 13 06 06.3 48.52N 153.65E 33 4.8b ¶621126475
KRSC X 06 13 06 08.8–1.8 49.40N 156.16E 88–27 5.6L
BJI X 06 13 06 09.7 49.69N 156.27E 102 4.6b,4.4b
MOS X 06 13 06 11.3–.92 49.58N 155.83E 91 4.8b,4.4b
NEIC X 06 13 06 12.8–1.6 49.64N–.08 155.7E–.10 83–4 4.6b,4.4b
IDC X 06 13 06 12.5–.60 49.74N 155.62E 75–5 4.6,4.3b
GFZ X 06 13 06 13.1–.49 50N–3.0 156E–3.0 82–4 5.7b,5.2
ISC Event type ke.
BGR Event type ke.
KRSC Event type se. Felt [IV] at Severo-Kurilsk; [II-III] at cape Vasilyeva, Podgornay, Paujetka.
MOS Event type fe. Felt (II-IV) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 06 02 55 30.0–.99 43.15N–.06 146.85E–.05 58–7 4.3b 138 1-83
MOS X 06 02 55 25.6–1.1 42.83N 146.99E 55 4.6b ¶621126146
IDC X 06 02 55 28.6–.76 44.50N 146.85E 0 4.2L,4.1b
NIED X 06 02 55 30.9 43.15N 146.72E 66 3.9W,4.1b
SKHL X 06 02 55 30.8–.60 43.20N 146.90E 77–4 5.5b,4.1b
JMA X 06 02 55 30.9–.16 43.2N–.50 147E–1.0 66–1 4.1,4.1b
NEIC X 06 02 55 31.5–1.3 43.15N–.10 146.7E–.10 71–7 4.5b,4.1b
ISC Event type ke.
MOS Event type fe. Felt (III) at Malokuril'skoye, Yuzhno-Kuril'sk. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.66 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$-2.09 $M_{r\theta}$5.72 $M_{\theta\phi}$-1.84 $M_{\phi r}$3.33 NP1:ϕ_s207.00000°,δ16.00000°,λ61.00000°. NP2:ϕ_s57.00000° ,δ76.00000°,λ98.00000°. $M_0$7.57000×10^{14}
JMA Event type ke. OFF NEMURO PENINSULA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 05 09 53 00.6–.76 44.33N–.05 147.85E–.06 106–6 4.2b 147 1-142
MOS X 05 09 52 59.7–.96 44.37N 147.90E 110 4.1b ¶621125899
NEIC X 05 09 52 59.7–1.3 44.5N–.10 147.8E–.10 93–9 4.3b
JMA X 05 09 53 01.5–.32 44N–1.0 148E–2.0 88 3.9
SKHL X 05 09 53 01.7–.20 44.40N 147.80E 110–9 6.0,5.4b
NIED X 05 09 53 01.5 44.05N 147.95E 88 3.5W,5.4b
IDC X 05 09 53 01.6–2.7 44.51N 147.79E 103–23 4.0,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=10.9km s-min=9.1km az=100.6.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=13.3km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.19 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$0.19 $M_{r\theta}$0.76 $M_{\theta\phi}$-1.28 $M_{\phi r}$1.55 NP1:ϕ_s282.00000°,δ40.00000°,λ-173.00000°. NP2:ϕ_s186.00000° ,δ85.00000°,λ-51.00000°. $M_0$2.08000×10^{14}
IDC Error ellipse: s-maj=24.3km s-min=14.8km az=172.0.
ISC X 05 21 00 18.0–2.3 44.0N–.10 147.8E–.10 35 26 1-4
JMA X 05 21 00 19.0–.23 43.9N–.90 148E–1.0 35 3.8 ¶626628516
SKHL X 05 21 00 19.6–.30 44.10N 147.70E 46–4 4.6b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC X 07 03 55 29.6–.56 46.83N–.07 153.62E–.07 31 4.2b,3.6s 111 4-137
IDC X 07 03 55 24.6–.72 46.76N 153.57E 0 4.1,4.0b ¶621126670
NEIC X 07 03 55 26.8–1.4 46.8N–.10 153.59E–.06 10–1 4.6b,4.0b
MOS X 07 03 55 29.2–1.1 47.53N 152.55E 42 4.5b,4.0b
SKHL X 07 03 55 30.2–.60 46.90N 153.60E 52–7 4.9b,4.0b
JMA X 07 03 55 31.3–1.0 46N–6.0 154E–8.0 30 4.4,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC X 07 12 38 53.1–3.3 44.3N–.10 148.5E–.20 55 24 1-4
JMA X 07 12 38 52.2–.56 44N–3.0 148E–3.0 0 3.7 ¶626629644
SKHL X 07 12 38 56.3–.10 44.30N 148.20E 45–5 3.9b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC X 07 05 25 11.8–.54 47.38N–.06 151.45E–.05 177–4 4.2b 186 3-149
MOS X 07 05 25 10.9–.99 46.54N 152.32E 178 4.4b ¶621126681
SKHL X 07 05 25 10.2–.50 47.30N 151.80E 164–5 5.8,5.2b
NEIC X 07 05 25 11.1–1.0 47.62N–.06 151.2E–.10 158–6 4.4b,5.2b
IDC X 07 05 25 13.4–1.7 47.61N 151.31E 184–16 4.2,3.6b
JMA X 07 05 25 15.5–.73 47N–4.0 152E–6.0 200 4.0,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC X 10 20 00 43.8–1.0 50.5N–.10 155.4E–.10 150 3.2b 17 0-131
IDC X 10 20 00 30.0–.97 49.97N 153.87E 0 3.4,3.3b ¶621144687
KRSC X 10 20 00 41.1–.93 50.44N 155.49E 156–6 3.8L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=15.6km az=133.0.
KRSC Event type se.
ISC X 11 23 10 01.6–.19 48.29N–.03 153.86E–.02 85–1 5.7b 2182 3-159
BGR X 11 23 09 57.8 48.29N 153.53E 33 6.2,5.8b ¶626703581
NEIC X 11 23 09 58.6 48.34N 153.74E 52 6.2,5.8b
BJI X 11 23 09 58.2 48.47N 154.13E 90 5.7b,5.5b
IPGP X 11 23 09 59.0 48.31N 153.76E 72 5.9W,5.5b
KRSC X 11 23 09 59.4–1.4 48.09N 154.26E 123–30 6.1L,5.5
NEIC X 11 23 10 00.5–2.0 48.30N–.08 153.8E–.10 70–1 5.8,5.8b
NEIC X 11 23 10 00.5 48.29N 153.77E 70 5.8,5.8b
SKHL X 11 23 10 01.1–.50 48.00N 154.50E 121–9 6.8,6.7

MOS	X	11 23 10 01.7–1.3	48.30N	153.89E	98	5.5b,5.3s			
PTWC	X	11 23 10 02	48.20N	154.10E	110	5.5,5.3s			
IDC	X	11 23 10 02.2–.41	48.28N	153.77E	87–3	5.4,5.1b			
GFZ	X	11 23 10 02.8	48.35N	153.74E	73	5.8W,5.1b			
GFZ	X	11 23 10 03.0–.18	48N–1.0	154E–2.0	87–1	6.1b,6.0L			
GCMT	X	11 23 10 04.2–.10	48.22N	153.98E	80–0	5.8W,6.0L			
JMA	X	11 23 10 06.3–.70	47N–3.0	154E–5.0	2	6.0,5.5			
NEIC	X	11 23 10 09.9	48.29N	153.77E	70	5.8,5.5			
ISC		Event type ke.							
BGR		Event type ke.							
NEIC		Event type se.							
IPGP		Moment Tensor Solution. NP1:ϕ_s139.00000°,δ29.00000°,λ178.00000°. NP2:ϕ_s231.00000°,δ89.00000°,λ61.00000°.							
KRSC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=14.4km s-min=11.3km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-3.25 $M_{\phi\phi}$2.01 $M_{r\theta}$-4.87 $M_{\theta\phi}$0.73 $M_{\phi r}$-3.77 NP1:ϕ_s134.58000°,δ24.24000°,λ167.04000°. NP2:ϕ_s236.43000°,δ84.72000°,λ66.31000°. Principal axes: T 6.9916,Plg45.0000°,Azm123.0000°; N -0.3580,Plg24.0000°,Azm239.0000°; P -6.6337,Plg35.0000°,Azm347.0000° $M_0$6.82000×10^{17}							
NEIC		Event type se.							
MOS		Error ellipse: s-maj=4.8km s-min=2.5km az=79.8.							
IDC		Error ellipse: s-maj=9.3km s-min=7.4km az=146.0.							
GFZ		smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.23 $M_{\theta\theta}$-3.49 $M_{\phi\phi}$1.26 $M_{r\theta}$-3.49 $M_{\theta\phi}$-0.41 $M_{\phi r}$-3.18 NP1:ϕ_s116.30992°,δ26.04675°,λ150.00245°. NP2:ϕ_s233.72394°,δ77.31822°,λ67.05830°. Principal axes: T 5.6539,Plg52.2347°,Azm116.9768°; N -0.0217,Plg22.3513°,Azm239.0328°; P -5.6321,Plg28.6890°,Azm342.0363° $M_0$5.64301×10^{17}							
GFZ		Error ellipse: s-maj=3.7km s-min=2.8km az=121.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110112309A. Moment Tensor Solution. s160,c345; s168,c437;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.05 $M_{\theta\theta}$-4.13±.06; $M_{\phi\phi}$2.99±.06; $M_{r\theta}$-4.98±.04; $M_{\theta\phi}$0.93±.05; $M_{\phi r}$-3.84±.04; Best double couple: NP1:ϕ_s137.00000°,δ30.00000°,λ170.00000°. NP2:ϕ_s236.00000°,δ85.00000°,λ60.00000°. Principal axes: T 7.4190,Plg42.0000°,Azm118.0000°; N -0.1340,Plg30.0000°,Azm239.0000°; P -7.2840,Plg33.0000°,Azm351.0000° $M_0$7.35200×10^{17}							
JMA		Event type ke. FAR FIELD .							
NEIC		Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-2.97 $M_{\phi\phi}$1.49 $M_{r\theta}$-4.02 $M_{\theta\phi}$0.96 $M_{\phi r}$-2.39 NP1:ϕ_s137.33000°,δ27.26000°,λ160.86000°. NP2:ϕ_s244.47000°,δ81.36000°,λ64.04000°. Principal axes: T 5.4782,Plg47.0000°,Azm127.0000°; N -0.1109,Plg26.0000°,Azm249.0000°; P -5.3673,Plg31.0000°,Azm356.0000° $M_0$5.42000×10^{17}							
ISC	**X**	**12 14 06 11.1–.60**	**47.11N–.09**	**153.92E–.07**	**27**	**4.2b,3.4s**	**85**	**5-79**	
MOS	X	12 14 06 07.3–.94	47.18N	153.98E	11	4.7b,3.4s			**¶621236956**
SKHL	X	12 14 06 07.9–.10	46.30N	154.70E	43–5	4.8b,3.4s			
IDC	X	12 14 06 07.6–1.0	47.11N	153.80E	0	3.9b,3.9			
NEIC	X	12 14 06 09.5–1.8	47.17N–.10	153.9E–.10	10–1	4.7b,3.9			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**13 11 22 46.2–.65**	**44.07N–.04**	**146.70E–.04**	**104–5**	**4.0b**	**137**	**1-83**	
MOS	X	13 11 22 45.6–.86	44.10N	146.63E	114	4.2b			**¶621147908**
SKHL	X	13 11 22 46.9–.10	44.10N	146.70E	110–8	6.0,5.4b			
JMA	X	13 11 22 46.9–.27	44N–1.0	147E–2.0	98–3	3.6,5.4b			
NIED	X	13 11 22 46.9	44.05N	146.76E	98	3.9W,5.4b			
IDC	X	13 11 22 48.5–1.8	44.27N	146.42E	118–14	3.9,3.6b			
NEIC	X	13 11 22 49.0–.74	44.16N–.03	146.5E–.20	120–8	4.3b,3.6b			
ISC		Event type ke.							
MOS		Event type fe. Felt (III) at Malokuril'skoe. Moment Tensor Solution.							
JMA		Event type ke. NEAR KUNASHIRI ISLAND .							
NIED		Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.61 $M_{\theta\theta}$-1.44 $M_{\phi\phi}$-0.17 $M_{r\theta}$-4.35 $M_{\theta\phi}$-2.36 $M_{\phi r}$-5.88 NP1:ϕ_s86.00000°,δ13.00000°,λ140.00000°. NP2:ϕ_s215.00000°,δ82.00000°,λ80.00000°. $M_0$7.75000×10^{14}							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
JMA	**X**	**15 22 36 09.9–.83**	**46N–4.0**	**150E–8.0**	**325**	**3.5**			**¶626635416**
JMA		Event type ke. KURILE ISLANDS REGION .							
ISC	**X**	**17 15 17 04.6–.84**	**49.14N–.06**	**156.11E–.06**	**53–6**	**4.4b,3.3s**	**313**	**2-146**	
KRSC	X	17 15 16 59.0–2.0	48.97N	156.52E	45–29	4.9L,3.3s			**¶621205022**
MOS	X	17 15 17 02.5–.99	49.13N	156.20E	51	4.6b,3.3s			
GFZ	X	17 15 17 05.0–.49	49N–6.0	156E–6.0	53–4	4.6,4.5L			
NEIC	X	17 15 17 05.9–.98	49.29N–.09	155.9E–.10	55–6	4.5b,4.5L			
IDC	X	17 15 17 05.1–2.3	49.17N	155.97E	56–20	4.5L,4.1			
ISC		Event type se.							
KRSC		Event type se.							
MOS		Error ellipse: s-maj=8.9km s-min=3.3km az=78.8.							
GFZ		Error ellipse: s-maj=17.0km s-min=6.5km az=129.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC		Event type se. Error ellipse: s-maj=16.5km s-min=9.3km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=16.0km s-min=11.8km az=141.0.							
ISC	**X**	**16 02 02 13.5–.24**	**45.76N–.03**	**149.35E–.03**	**152–1**	**5.0b**	**1343**	**1-154**	
BJI	X	16 02 02 09.9	45.69N	149.55E	145	5.2b,5.1b			**¶621204468**
MOS	X	16 02 02 12.4–1.1	45.84N	149.26E	150	5.1b,5.1b			
SKHL	X	16 02 02 12.0–.20	45.50N	149.70E	143–7	6.1,5.8			
GFZ	X	16 02 02 13.5–.45	46N–2.0	149E–2.0	144–4	6.6,6.5			
NEIC	X	16 02 02 13.5–2.2	45.80N–.07	149.30E–.10	147–4	4.9b,6.5			
IDC	X	16 02 02 13.6–.41	45.86N	149.21E	149–3	4.9,4.5b			
BGR	X	16 02 02 14.9	47.78N	147.77E	33	5.4b,4.5b			
GCMT	X	16 02 02 15.3–.20	45.70N–.01	149.43E–.02	146–2	5.0W,4.5b			
JMA	X	16 02 02 15.8–.55	45N–2.0	149E–3.0	151	5.1,4.9			
ISC		Event type ke.							
MOS		Event type fe. Felt (II) at Malokuril'skoe, Reydovo, Yuzhno-Kuril'sk. Moment Tensor Solution.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
BGR		Event type ke.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110160202A. Moment Tensor Solution. s37,c50; s109,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.39±.12 $M_{\theta\theta}$0.60±.14; $M_{\phi\phi}$-0.98±.13; $M_{r\theta}$3.57±.09; $M_{\theta\phi}$-0.58±.13; $M_{\phi r}$1.54±.07; Best double couple: NP1:ϕ_s163.00000°,δ14.00000°,λ8.00000°. NP2:ϕ_s65.00000°,δ88.00000°,λ104.00000°. Principal axes: T 4.1540,Plg45.0000°,Azm349.0000°; N -0.2730,Plg14.0000°,Azm244.0000°; P -3.8820,Plg41.0000°,Azm141.0000° $M_0$4.01800×10^{16}							
JMA		Event type fe. NEAR ETOROFU ISLAND .							
ISC	**X**	**17 17 39 14.9–.30**	**49.06N–.04**	**156.13E–.04**	**46–2**	**5.1b,4.5s**	**1172**	**2-154**	
KRSC	X	17 17 39 10.3–1.9	48.94N	156.46E	66–24	5.4L,4.5s			**¶621205033**
SKHL	X	17 17 39 12.5–.20	48.90N	156.40E	66–1	5.6b,4.5s			
BJI	X	17 17 39 13.2	49.28N	156.08E	50	5.3b,5.0s			
NEIC	X	17 17 39 14.6–1.2	49.15N–.10	155.9E–.20	35–1	5.1b,5.0s			
IDC	X	17 17 39 15.3–.57	49.17N	155.96E	44–5	4.7L,4.7			
GFZ	X	17 17 39 16.0–.31	49N–3.0	156E–3.0	42–2	5.7b,5.2L			
MOS	X	17 17 39 16.1–1.2	49.30N	156.08E	64	5.2b,4.8s			
GCMT	X	17 17 39 16.5–.20	49.00N–.02	156.34E–.02	27–0	5.0W,4.8s			
BGR	X	17 17 39 28.3	50.72N	153.77E	52–0	5.3b,4.8s			
ISC		Event type ke.							
KRSC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=20.2km s-min=14.0km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=11.3km s-min=8.6km az=148.0.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
MOS		Error ellipse: s-maj=6.1km s-min=2.7km az=85.1.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110171739A. Moment Tensor Solution. s69,c92; s107,c165; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.12 $M_{\theta\theta}$-0.80±.08; $M_{\phi\phi}$-2.64±.08; $M_{r\theta}$1.23±.16; $M_{\theta\phi}$-1.34±.05; $M_{\phi r}$1.84±.13; Best double couple: NP1:ϕ_s205.00000°,δ29.00000°,λ84.00000°. NP2:ϕ_s31.00000°,δ62.00000°,λ93.00000°. Principal axes: T 4.0940,Plg73.0000°,Azm308.0000°; N -0.1020,Plg3.0000°,Azm210.0000°; P -3.9980,Plg17.0000°,Azm119.0000° $M_0$4.04600×10^{16}							
BGR		Event type ke.							
ISC	**X**	**17 12 05 16.7–.34**	**49.10N–.04**	**156.18E–.04**	**47–2**	**5.1b,4.5s**	**1017**	**2-146**	
KRSC	X	17 12 05 11.7–2.4	48.90N	156.58E	68–38	5.4L,4.5s			**¶621204854**
BJI	X	17 12 05 15.0	49.28N	156.02E	49	5.4b,5.0s			
MOS	X	17 12 05 16.8–1.2	49.22N	156.09E	61	5.1b,4.6s			
NEIC	X	17 12 05 17.0–1.0	49.24N–.09	156.0E–.10	44–6	5.0b,4.6s			
GCMT	X	17 12 05 17.5–.20	49.02N–.02	156.37E–.02	29–0	5.1W,4.6s			
GFZ	X	17 12 05 17.7–.24	49N–3.0	156E–2.0	45–2	5.7b,5.4			
IDC	X	17 12 05 18.1–1.9	49.14N	155.96E	55–16	5.1L,4.7			
BGR	X	17 12 05 24.9	50.02N	154.97E	33	5.6,5.3b			
ISC		Event type ke.							
KRSC		Event type se. Felt [II] at Severo-Kurilsk.							
MOS		Error ellipse: s-maj=6.0km s-min=2.8km az=83.1.							
NEIC		Event type se. Error ellipse: s-maj=15.4km s-min=9.9km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110171205A. Moment Tensor Solution. s75,c105; s108,c169;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.55±.15 $M_{\theta\theta}$-0.77±.11; $M_{\phi\phi}$-3.78±.10; $M_{r\theta}$1.04±.18; $M_{\theta\phi}$-1.61±.07; $M_{\phi r}$2.38±.14; Best double couple: NP1:ϕ_s203.00000°,δ30.00000°,λ90.00000°. NP2:ϕ_s24.00000°,δ60.00000°,λ90.00000°. Principal axes: T 5.2440,Plg75.0000°,Azm294.0000°; N -0.0710,Plg0.0000°,Azm203.0000°; P -5.1730,Plg15.0000°,Azm113.0000° $M_0$5.20800×10^{16}							
GFZ		Error ellipse: s-maj=7.4km s-min=4.3km az=149.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
IDC		Error ellipse: s-maj=11.8km s-min=9.5km az=143.0.							
BGR		Event type ke.							
ISC	**X**	**17 18 15 31.8–.96**	**49.06N–.08**	**156.30E–.07**	**52–8**	**3.9b**	**111**	**2-80**	
KRSC	X	17 18 15 26.7–1.6	48.97N	156.97E	30–23	4.5L			**¶621206727**
MOS	X	17 18 15 30.0–1.0	49.12N	156.22E	54	4.6b			
IDC	X	17 18 15 31.8–.83	49.15N	156.09E	48–7	4.3L,3.9			
ISC		Event type se.							
KRSC		Event type se.							
MOS		Error ellipse: s-maj=13.9km s-min=3.9km az=78.2.							
IDC		Error ellipse: s-maj=17.6km s-min=12.9km az=149.0.							
KRSC	**X**	**21 07 05 13.3–1.9**	**50.67N**	**157.53E**	**108–24**	**3.8L**			**¶621236111**
KRSC		Event type se.							
ISC	**X**	**19 00 03 23.8–.79**	**49.41N–.08**	**156.56E–.08**	**57**	**4.1b**	**113**	**1-83**	
MOS	X	19 00 03 14.3–.82	48.69N	156.75E	32	4.4b			**¶621211186**
KRSC	X	19 00 03 21.6–2.1	49.33N	157.33E	37–29	4.4L			
IDC	X	19 00 03 42.3–2.6	51.05N	156.19E	164–20	3.7,3.4s			
ISC		Event type se.							
MOS		Error ellipse: s-maj=25.9km s-min=4.2km az=83.2.							
KRSC		Event type se.							
IDC		Error ellipse: s-maj=32.4km s-min=19.1km az=179.0.							
JMA	**X**	**19 06 39 16.9–.62**	**45N–3.0**	**150E–3.0**	**30**	**4.5**			
SKHL	X	19 06 39 15.4–.20	45.00N	150.20E	43–1	4.9b			**¶626637351**
JMA		Event type ke. SE OFF ETOROFU .							
ISC	**X**	**19 07 00 33.8–1.2**	**44.75N–.06**	**148.90E–.08**	**65–11**	**3.8b**	**68**	**1-81**	
MOS	X	19 07 00 33.2–1.0	44.78N	148.90E	77	4.2b			**¶621244066**
JMA	X	19 07 00 34.6–.84	45N–3.0	149E–5.0	30	4.6			
SKHL	X	19 07 00 34.9–.50	44.80N	148.90E	63–6	4.9b			
NEIC	X	19 07 00 35.4–1.2	44.8N–.10	148.83E–.10	77–6	4.3b			
IDC	X	19 07 00 35.8–2.5	44.82N	148.73E	81–23	3.9s,3.8			
ISC		Event type ke.							
MOS		Error ellipse: s-maj=13.3km s-min=11.9km az=73.3.							
JMA		Event type ke. SE OFF ETOROFU .							
NEIC		Event type se. Error ellipse: s-maj=14.7km s-min=9.9km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=24.5km s-min=15.7km az=146.0.							
ISC	**X**	**20 09 45 46.9–.72**	**44.76N–.09**	**146.74E–.08**	**163–7**	**3.5b**	**37**	**1-82**	
SKHL	X	20 09 45 47.2–.00	44.60N	146.90E	151–1	5.1,4.8b			**¶621246594**
IDC	X	20 09 45 48.2–2.1	45.02N	146.59E	168–19	3.7,3.3b			
JMA	X	20 09 45 48.2–.50	45N–2.0	147E–4.0	152	3.2,3.3b			
ISC		Event type ke.							
JMA		Event type ke. NEAR ETOROFU ISLAND .							
ISC	**X**	**17 16 47 55.1–.54**	**49.09N–.06**	**156.04E–.05**	**44–4**	**4.4b,3.4s**	**305**	**2-90**	
KRSC	X	17 16 47 52.0–1.8	49.10N	157.18E	16–25	4.7L,3.4s			**¶621205036**
MOS	X	17 16 47 53.6–.88	49.11N	156.02E	45	4.5b,3.4s			
SKHL	X	17 16 47 54.8–2.7	49.10N	156.00E	72–13	4.9b,3.4s			
IDC	X	17 16 47 55.5–.61	49.14N	155.97E	46–6	4.3L,4.1			
NEIC	X	17 16 47 57.9–1.1	49.31N–.09	155.9E–.10	59–5	4.4b,4.1			
BGR	X	17 16 48 00.8	49.83N	155.42E	33	4.6b,4.1			
ISC		Event type ke.							
KRSC		Event type se.							
MOS		Error ellipse: s-maj=9.0km s-min=3.7km az=79.8.							
IDC		Error ellipse: s-maj=15.7km s-min=11.3km az=135.0.							
NEIC		Event type se. Error ellipse: s-maj=13.4km s-min=9.8km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
BGR		Event type ke.							
ISC	**X**	**19 14 17 37.9–4.2**	**44.4N–.10**	**148.5E–.20**	**28–28**		**22**	**1-5**	
JMA	X	19 14 17 40.3–.50	44N–2.0	148E–3.0	0	4.2			**¶626637705**
SKHL	X	19 14 17 40.9–.00	44.50N	148.30E	60–7	4.7b			
ISC		Event type ke.							
JMA		Event type ke. SE OFF ETOROFU .							
ISC	**X**	**22 15 48 08.9–.66**	**46.85N–.07**	**152.42E–.08**	**67**	**3.7b**	**56**	**4-139**	
SKHL	X	22 15 48 08.4–.10	47.10N	152.30E	125–5	5.6,4.9b			**¶621309329**
JMA	X	22 15 48 09.6–.82	46N–4.0	153E–6.0	30	4.2,4.9b			
IDC	X	22 15 48 10.2–2.5	46.85N	152.57E	77–21	3.8,3.5b			
ISC		Event type ke.							
JMA		Event type ke. KURILE ISLANDS REGION .							
IDC		Error ellipse: s-maj=19.7km s-min=13.4km az=125.0.							
ISC	**X**	**21 21 22 49.0–2.3**	**49.8N–.20**	**156.7E–.10**	**82–16**	**3.6b**	**47**	**1-74**	
KRSC	X	21 21 22 48.8–2.5	49.85N	157.26E	50–26	4.2L			**¶621236112**
IDC	X	21 21 22 56.4–3.4	50.46N	156.19E	134–28	3.6,3.3b			
ISC		Event type se.							
KRSC		Event type se.							
IDC		Error ellipse: s-maj=42.3km s-min=19.9km az=162.0.							
ISC	**X**	**22 17 09 09.4–1.4**	**48.3N–.20**	**153.4E–.20**	**150**	**3.4b**	**10**	**6-74**	
IDC	X	22 17 09 09.4–2.6	48.25N	153.39E	150–25	3.8,3.3b			**¶621309332**
ISC		Event type se.							
IDC		Error ellipse: s-maj=29.9km s-min=19.8km az=100.0.							
ISC	**X**	**26 17 07 35.3–1.0**	**48.1N–.20**	**153.4E–.20**	**150**	**3.2b**	**19**	**6-77**	
IDC	X	26 17 07 35.9–4.0	48.27N	153.43E	149–49	3.7,3.0b			**¶621366484**
JMA	X	26 17 07 38.7–.88	47N–6.0	154E–8.0	225	3.1,3.0b			
ISC		Event type ke.							
JMA		Event type ke. KURILE ISLANDS REGION .							
ISC	**X**	**24 01 07 58.0–1.0**	**44.53N–.09**	**147.87E–.10**	**167–6**	**4.0b**	**55**	**1-149**	
NEIC	X	24 01 07 49.3–1.7	45.0N–.20	148.9E–.10	105–9	4.3b			**¶621366368**
IDC	X	24 01 07 50.3–5.3	44.10N	148.69E	137–41	4.0,3.6b			
SKHL	X	24 01 08 00.0–.10	44.30N	148.10E	134–3	5.0,4.2b			
JMA	X	24 01 08 02.6–.45	45N–2.0	148E–3.0	153	3.4,4.2b			
ISC		Event type ke.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
JMA		Event type ke. NEAR ETOROFU ISLAND .							
ISC	**X**	**25 23 39 21.4–.35**	**49.73N–.04**	**156.06E–.04**	**71–2**	**4.7b**	**578**	**1-158**	
KRSC	X	25 23 39 16.5–2.3	49.54N	156.32E	41–28	5.3L,4.4			**¶621239249**
MOS	X	25 23 39 20.1–.91	49.75N	155.85E	71	5.0b,4.4			
IDC	X	25 23 39 22.5–1.8	49.85N	155.73E	73–15	4.5,4.1b			
NEIC	X	25 23 39 22.2–1.4	49.83N–.09	155.7E–.20	72–6	4.8b,4.1b			

GCMT X 25 23 39 22.8–.50 49.64N–.03 156.14E–.05 59–2 4.9W,4.1b
GFZ X 25 23 39 23.2–.66 50N–5.0 156E–6.0 75–5 5.3b,5.0L
ISC Event type se.
KRSC Event type se. Felt [III] at cape Vasilyeva; [II-III] at Severo-Kurilsk; [II] at Podgornay.
MOS Event type fe. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110252339A. Moment Tensor Solution. s27,c32; s66,c78; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.19 $M_{\theta\theta}$-0.55±.15; $M_{\phi\phi}$-1.71±.14; $M_{r\theta}$0.46±.11; $M_{\theta\phi}$-1.63±.10; $M_{\phi r}$0.71±.10; Best double couple: NP1:ϕ_s216.00000°,δ36.00000° ,λ92.00000°. NP2:ϕ_s34.00000°,δ54.00000°,λ89.00000°. Principal axes: T 2.3970,Plg81.0000°,Azm298.0000°; N 0.6010,Plg1.0000°,Azm35.0000° ; P -2.9960,Plg9.0000°,Azm125.0000° $M_0$2.69600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

KRSC X 23 13 45 48.0–1.4 50.33N 157.01E 40–17 3.6L ¶625379908

KRSC Event type se.

ISC X 24 03 18 15.8–.79 44.34N–.06 147.34E–.06 91–7 3.6b 75 1-82 ¶621238070

MOS X 24 03 18 15.3–.91 44.35N 147.25E 102 3.8b
JMA X 24 03 18 16.0–.42 44N–1.0 147E–2.0 77 3.7
NIED X 24 03 18 16.0 44.26N 147.40E 77 3.8W
SKHL X 24 03 18 16.7–.10 44.40N 147.30E 105–4 6.0,5.0b
IDC X 24 03 18 18.4–2.2 44.41N 147.10E 113–18 3.7,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=10.9km s-min=8.5km az=59.2.
JMA Event type ke. NEAR ETOROFU ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.24 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$1.94 $M_{r\theta}$-2.91 $M_{\theta\phi}$0.13 $M_{\phi r}$-4.86 NP1:ϕ_s151.00000°,δ12.00000°,λ-148.00000°. NP2:ϕ_s30.00000° ,δ84.00000°,λ-79.00000°. $M_0$5.91000×10^{14}
IDC Error ellipse: s-maj=30.2km s-min=15.7km az=162.0.

ISC X 26 06 20 14.2–3.2 44.08N–.10 148.6E–.20 47 25 1-6

JMA X 26 06 20 18.2–.29 44N–2.0 148E–2.0 108 3.6 **¶626642677**
SKHL X 26 06 20 18.5–.10 44.20N 148.30E 48–7 4.3b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .

ISC X 23 23 37 47.2–3.3 43.2N–.10 146.1E–.20 48–13 16 0-1

JMA X 23 23 37 48.5–.14 43.2N–.40 146.0E–.80 45–1 2.9 **¶626640514**
SKHL X 23 23 37 49.0–.00 43.30N 146.10E 42–1 4.1b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .

ISC XI 01 00 33 31.6–.41 46.57N–.05 150.54E–.05 167 4.3b 228 2-150

SKHL XI 01 00 33 30.1–.90 46.50N 150.70E 157–7 6.1,5.5b **¶621244948**
MOS XI 01 00 33 31.1–1.1 46.65N 150.49E 172 4.4b,5.5b
NEIC XI 01 00 33 34.5–1.2 46.9N–.10 150.3E–.10 176–6 4.3b,5.5b
IDC XI 01 00 33 34.5–1.8 46.73N 150.30E 187–16 4.3,4.3s
JMA XI 01 00 33 43.8–.93 46N–3.0 150E–6.0 161 4.0,4.3s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .

ISC X 30 12 01 30.6–2.0 50.2N–.10 156.96E–.08 20–9 92 1-48

KRSC X 30 12 01 29.0–1.7 50.21N 157.10E 51–22 4.4L **¶621244597**
MOS X 30 12 01 30.4–.99 50.20N 156.99E 52 4.0b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=25.6km s-min=3.7km az=78.8.

SKHL X 27 19 31 40.4–.00 45.10N 151.00E 55–5 4.7b

JMA X 27 19 31 43.0–.80 45N–4.0 150E–5.0 30 4.0 **¶626643884**
JMA Event type ke. KURILE ISLANDS REGION .

KRSC XI 02 21 31 44.4–2.0 50.20N 157.27E 48–25 4.4L ¶621256497

KRSC Event type se.

ISC XI 01 20 00 10.0–.96 45.6N–.10 149.5E–.10 141 3.3b 27 1-151

SKHL XI 01 20 00 12.5–.70 44.70N 150.10E 70–4 4.7b **¶621401299**
IDC XI 01 20 00 14.9–2.5 46.04N 148.99E 171–22 3.6,3.1b
JMA XI 01 20 00 15.8–.61 45N–2.0 149E–4.0 149 3.7,3.1b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .

ISC XI 01 20 09 23.9–1.8 43.44N–.08 146.61E–.08 67–15 27 1-3

SKHL XI 01 20 09 24.7–.00 43.40N 146.60E 57–3 4.6b **¶626704988**
JMA XI 01 20 09 24.6–.21 43.5N–.70 146E–1.0 76–1 3.5
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .

KRSC XI 03 01 56 55.9–1.3 50.98N 157.94E 50–17 3.7L ¶621262037

KRSC Event type se.

ISC XI 06 06 05 23.6–.64 46.08N–.06 152.92E–.05 31–3 4.5b,3.7s 386 4-153

GFZ XI 06 06 05 19.9–.37 46N–5.0 153E–5.0 10 5.9b,5.5 **¶621370664**
MOS XI 06 06 05 21.3–1.1 46.19N 152.94E 23 4.8b,5.5
SKHL XI 06 06 05 22.5–.80 46.00N 153.20E 52–7 5.3b,5.5
BJI XI 06 06 05 22.4 46.25N 153.14E 43 4.7b,4.6b
JMA XI 06 06 05 26.8–.88 46N–4.0 153E–6.0 30 4.8,4.6b
IDC XI 06 06 05 26.4–2.2 46.27N 152.80E 44–19 4.2,4.1L
NEIC XI 06 06 05 26.3–1.0 46.34N–.07 152.7E–.10 36–8 4.7b,4.1L
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XI 03 13 17 03.7–.80 46.7N–.10 151.6E–.10 150 3.8b 37 3-76

SKHL XI 03 13 17 05.0–.60 46.60N 151.70E 138–7 5.5,5.2b **¶621412244**
IDC XI 03 13 17 07.8–2.2 47.02N 151.00E 190–20 4.0,3.5b
JMA XI 03 13 17 09.8–.69 46N–4.0 151E–5.0 219 4.3,3.5b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .

ISC XI 05 15 27 13.6–.40 49.98N–.05 156.99E–.04 82–2 4.8b 762 1-152

KRSC XI 05 15 27 10.2–2.1 49.89N 157.38E 59–34 4.9L **¶621366503**
BJI XI 05 15 27 10.4 50.12N 156.99E 73 4.7b,4.7b
MOS XI 05 15 27 11.2–1.0 49.90N 156.99E 76 5.0b,4.7b
IDC XI 05 15 27 13.5–1.8 50.05N 156.81E 75–14 4.4,4.1b
GFZ XI 05 15 27 13.3–.40 50N–6.0 157E–6.0 71 5.5b,5.0b
NEIC XI 05 15 27 14.3–2.2 50.08N–.10 156.9E–.20 80–6 4.8b,5.0b
ISC Event type se.
KRSC Event type se. Felt [III] at Severo-Kurilsk.
MOS Event type fe. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XI 06 13 15 49.4–.93 49.3N–.20 153.9E–.20 250 3.1b 18 2-76

IDC XI 06 13 15 48.1–2.1 49.08N 153.82E 215–22 3.5,3.0b **¶621415985**
KRSC XI 06 13 15 48.8–2.4 49.25N 154.39E 260–17 4.1L,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=14.8km az=143.0.
KRSC Event type se.

ISC XI 08 08 01 51.1–1.2 45.08N–.09 151.41E–.10 35 4.0b 38 3-72

IDC XI 08 08 01 44.8–2.3 45.51N 151.92E 0 3.8b,3.8 **¶621423087**
MOS XI 08 08 01 49.7–1.3 45.37N 151.67E 51 4.1b,3.8
SKHL XI 08 08 01 55.9–.40 45.10N 151.10E 59–6 4.9b,3.8
JMA XI 08 08 01 57.7–.59 45N–3.0 151E–3.0 30 4.2,3.8
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .

ISC XI 11 00 33 30.0–3.7 47.5N–.70 152.4E–.20 128 3.5b 9 30-78

IDC XI 11 00 33 31.9–14 47.50N 152.42E 145–125 3.7,3.3b **¶621449493**
ISC Event type se.
IDC Error ellipse: s-maj=102.0km s-min=24.0km az=178.0.

ISC XI 12 13 02 53.3–1.9 47.9N–.30 152.5E–.20 200 3.2b 9 6-50

IDC XI 12 13 02 53.1–2.5 47.83N 152.45E 199–18 3.7,3.1b **¶621460207**
ISC Event type se.
IDC Error ellipse: s-maj=49.2km s-min=13.5km az=147.0.

ISC XI 11 22 07 44.6–.46 48.59N–.06 154.81E–.06 100 4.4b 183 2-156

SKHL XI 11 22 07 40.6–.30 48.40N 155.10E 80–5 5.2b **¶621399226**
MOS XI 11 22 07 41.1–1.1 48.53N 154.81E 75 4.6b
KRSC XI 11 22 07 43.3–1.9 48.65N 156.45E 6–35 4.8L
NEIC XI 11 22 07 44.4–1.4 48.7N–.10 154.6E–.20 78–6 4.6b
IDC XI 11 22 07 45.0–2.1 48.69N 154.44E 83–18 4.2,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=10.3km s-min=5.1km az=65.9.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=10.6km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=10.9km az=144.0.

ISC XI 14 00 19 36.0–4.0 43.6N–.10 147.5E–.10 7–16 12 1-3

SKHL XI 14 00 19 39.0–.10 43.50N 147.60E 58–5 4.8b **¶626705386**
JMA XI 14 00 19 39.8–.57 44N–2.0 147E–3.0 45 3.6
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .

ISC XI 14 04 21 03.8–.63 48.74N–.08 155.76E–.09 35 3.7b 55 2-78

IDC XI 14 04 20 58.7–.96 48.94N 155.59E 0 4.0L,3.6b **¶621468641**
NEIC XI 14 04 21 00.6–1.9 48.6N–.10 155.9E–.20 10–2 4.6b,3.6b
KRSC XI 14 04 21 04.3–1.3 48.97N 156.62E 7–19 3.8L,3.6b
MOS XI 14 04 21 04.4–1.5 48.91N 155.59E 55 3.9b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=12.1km az=121.0.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=21.0km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
MOS Error ellipse: s-maj=25.1km s-min=9.4km az=77.6.

KRSC XI 15 10 47 43.4–2.0 50.29N 155.53E 274–17 3.9L ¶621409448

KRSC Event type se.

ISC XI 16 11 19 55.4–.45 46.68N–.06 153.56E–.04 24 4.2b,3.3s 184 4-92

IDC XI 16 11 19 51.6–.67 46.58N 153.49E 0 4.0L,4.0b **¶621412333**
NEIC XI 16 11 19 53.7–1.3 46.84N–.09 153.4E–.10 10–1 4.3b,4.0b
MOS XI 16 11 19 55.4–1.2 46.59N 153.60E 44 4.6b,4.0b
SKHL XI 16 11 19 55.6–.60 46.40N 153.90E 59–9 4.8b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=11.7km az=150.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=11.8km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.9km s-min=6.6km az=67.3.

ISC XI 17 09 22 15.2–.85 45.2N–.10 151.14E–.09 35 3.6b 31 2-79

SKHL XI 17 09 22 15.0–.40 45.00N 151.20E 42–8 4.7b **¶621494202**
JMA XI 17 09 22 16.5–.70 45N–3.0 151E–4.0 30 4.3
IDC XI 17 09 22 19.6–3.3 45.40N 150.95E 72–29 3.7,3.4b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=32.3km s-min=20.9km az=152.0.

KRSC XI 16 17 14 08.2–2.1 49.78N 156.87E 16–28 3.8L ¶621413667

KRSC Event type se.

KRSC XI 18 18 59 13.4–1.6 50.29N 157.01E 48–21 3.9L ¶621416434

KRSC Event type se.

ISC XI 17 23 46 11.7–1.1 44.09N–.06 147.97E–.08 96–8 4.1b 72 1-74

NEIC XI 17 23 46 09.7–1.3 44.3N–.10 148.1E–.10 70–9 4.2b **¶621494242**
MOS XI 17 23 46 11.4–.66 44.11N 147.91E 110 4.3b
NIED XI 17 23 46 13.7 43.96N 147.90E 78 3.7W
SKHL XI 17 23 46 13.8–.10 44.10N 147.90E 85–5 5.0b
JMA XI 17 23 46 13.7–.39 44N–2.0 148E–2.0 78 4.3
IDC XI 17 23 46 14.4–3.7 43.91N 147.83E 125–35 4.1,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=11.4km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=12.8km s-min=11.4km az=145.7.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.55 $M_{\theta\theta}$-1.49 $M_{\phi\phi}$3.05 $M_{r\theta}$1.47 $M_{\theta\phi}$-1.55 $M_{\phi r}$3.28 NP1:ϕ_s305.00000°,δ35.00000°,λ-159.00000°. NP2:ϕ_s198.00000° ,δ78.00000°,λ-56.00000°. $M_0$4.71000×10^{14}
JMA Event type ke. SE OFF ETOROFU .
IDC Error ellipse: s-maj=69.5km s-min=26.8km az=140.0.

ISC XI 23 19 35 23.0–.51 49.05N–.05 154.12E–.04 156–4 4.5b 452 2-148

BJI XI 23 19 35 17.1 49.19N 154.63E 149 5.0b,4.7b **¶621449592**
KRSC XI 23 19 35 20.9–1.8 49.08N 154.29E 182–31 5.0L,4.7b
MOS XI 23 19 35 22.7–1.1 49.12N 154.06E 167 4.6b,4.7b
NEIC XI 23 19 35 23.7–1.1 49.14N–.08 154.0E–.10 153–6 4.6b,4.7b
GFZ XI 23 19 35 24.7–.67 49N–4.0 154E–4.0 160–6 6.3b,6.0
IDC XI 23 19 35 25.2–.73 49.25N 153.88E 167–6 4.4,3.9b
JMA XI 23 19 35 27.5–.76 48N–4.0 154E–6.0 2 4.6,3.9b
ISC Event type ke.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. FAR FIELD .

ISC XI 22 03 20 28.2–4.3 44.5N–.10 150.0E–.20 34 22 2-5

SKHL XI 22 03 20 27.3–.50 44.50N 150.10E 49–5 4.6b **¶626705717**
JMA XI 22 03 20 28.2–.45 44N–2.0 150E–2.0 30 3.9
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .

ISC XI 20 19 07 39.9–.55 43.69N–.05 147.71E–.04 28–3 4.6b,3.4s 467 1-152

JMA XI 20 19 07 36.1–.48 44N–2.0 148E–2.0 0 4.7,4.2 **¶621427736**
NIED XI 20 19 07 36.1 43.77N 147.67E 0 4.3W,4.2
IDC XI 20 19 07 36.3–.51 43.81N 147.73E 0 4.3b,4.2
BJI XI 20 19 07 38.4 43.80N 147.70E 26 4.8b,4.5b
MOS XI 20 19 07 38.2–.95 43.69N 147.77E 29 4.9b,4.5b
SKHL XI 20 19 07 39.3–.30 43.60N 147.90E 47–5 5.4b,4.5b
GFZ XI 20 19 07 40.3–.32 44N–5.0 148E–4.0 24 5.1b,4.7b
NEIC XI 20 19 07 41.7–1.4 43.71N–.08 147.7E–.10 35–4 4.7b,4.7b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.61 $M_{\theta\theta}$1.33 $M_{\phi\phi}$-1.94 $M_{r\theta}$2.06 $M_{\theta\phi}$-1.19 $M_{\phi r}$0.19 NP1:ϕ_s161.00000°,δ49.00000°,λ16.00000°. NP2:ϕ_s60.00000° ,δ78.00000°,λ138.00000°. $M_0$2.90000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XI 19 19 12 01.9–1.2 44.29N–.07 148.29E–.09 96–8 3.9b 109 1-72

MOS XI 19 19 12 01.5–.91 44.39N 148.23E 107 4.1b **¶621590309**
SKHL XI 19 19 12 02.3–.40 44.10N 148.40E 67–3 4.8b
IDC XI 19 19 12 02.6–3.1 44.40N 148.24E 94–26 3.8,3.5b
JMA XI 19 19 12 03.5–.51 44N–2.0 148E–3.0 112 4.2,3.5b
NEIC XI 19 19 12 04.2–1.1 44.47N–.08 148.1E–.10 104–4 4.1b,3.5b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XI 22 19 37 33.3–2.5 43.72N–.09 147.78E–.09 26–15 4.0b 60 1-78

MOS XI 22 19 37 30.7–1.1 43.58N 148.08E 45 4.4b **¶621611925**
SKHL XI 22 19 37 33.1–.70 43.80N 147.90E 43–6 4.8b
JMA XI 22 19 37 35.4–.37 43.6N–1.0 148E–2.0 67 3.0
NEIC XI 22 19 37 38.9–1.1 45.0N–.10 147.1E–.10 10–2 4.3b
IDC XI 22 19 37 42.0–2.7 45.82N 146.79E 0 3.8b,3.8
ISC Event type ke.

MOS Error ellipse: s-maj=15.7km s-min=12.0km az=44.5.
JMA Event type ke. E OFF HOKKAIDO .
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=4.6km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=64.5km s-min=23.0km az=143.0.

ISC	**XI**	**24 23 02 48.7–3.0**	**43.7N–.10**	**148.0E–.20**	**34**		**17**	**2-3**
JMA	XI	24 23 02 49.6–.67	44N–2.0	148E–3.0	0	3.6		**¶626705760**
SKHL	XI	24 23 02 49.4–.30	43.70N	147.90E	45–3	4.3b		

ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .

ISC	**XI**	**26 04 48 06.4–1.1**	**49.82N–.09**	**156.19E–.07**	**66–10**	**3.9b**	**101**	**1-137**
KRSC	XI	26 04 48 02.6–2.8	49.71N	156.98E	16–39	4.4L		**¶621480364**
MOS	XI	26 04 48 05.5–.88	49.90N	156.09E	70	4.0b		
NEIC	XI	26 04 48 07.8–1.9	50.0N–.10	156.0E–.20	76–8	4.1b		
IDC	XI	26 04 48 08.6–2.1	49.90N	155.98E	90–19	3.8,3.5s		

ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=18.5km s-min=4.8km az=73.4.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=11.3km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=11.3km az=141.0.

ISC	**XI**	**27 13 07 58.0–1.0**	**48.5N–.10**	**152.7E–.20**	**200**	**3.3b**	**12**	**6-77**
IDC	XI	27 13 07 56.2–3.3	48.37N	152.65E	184–31	3.7,3.2b		**¶621625127**

ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=20.3km az=98.0.

ISC	**XI**	**26 14 16 42.5–3.7**	**43.7N–.10**	**147.7E–.10**	**16–25**		**21**	**1-3**
SKHL	XI	26 14 16 44.9–.20	43.70N	147.70E	34–2	4.3b		**¶626705863**
JMA	XI	26 14 16 44.9–.50	44N–2.0	147E–2.0	0	3.7		

ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .

KRSC	**XII**	**01 04 02 47.7–1.6**	**49.02N**	**156.78E**	**31–24**	**3.5L**		
								¶621607717

KRSC Event type se.

ISC	**XI**	**27 18 24 16.8–.58**	**48.73N–.05**	**155.56E–.05**	**58–4**	**4.4b,3.6s**	**341**	**2-137**
IDC	XI	27 18 24 08.9–.59	48.84N	155.47E	0	4.1L,4.0b		**¶621480535**
KRSC	XI	27 18 24 12.6–2.0	48.63N	156.36E	30–26	4.5L,4.0b		
MOS	XI	27 18 24 14.7–1.2	48.78N	155.49E	51	4.6b,4.0b		
SKHL	XI	27 18 24 14.3–.70	48.60N	155.70E	52–6	5.2b,4.0b		
GFZ	XI	27 18 24 16.9–.73	49N–7.0	155E–8.0	47–6	4.7,4.5b		
NEIC	XI	27 18 24 17.4–1.4	48.90N–.07	155.3E–.10	50–7	4.5b,4.5b		

ISC Event type se.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**30 04 56 56.1–2.5**	**49.8N–.20**	**156.1E–.20**	**102–14**	**3.3b**	**20**	**1-74**
IDC	XI	30 04 56 42.2–2.0	49.15N	155.71E	0	3.7s,3.5b		**¶621568615**
KRSC	XI	30 04 56 57.3–1.1	49.80N	156.75E	71–22	4.0L,3.5b		

ISC Event type se.
IDC Error ellipse: s-maj=39.5km s-min=25.1km az=134.0.
KRSC Event type se.

ISC	**XI**	**28 20 33 21.4–.53**	**43.20N–.05**	**146.53E–.04**	**55–4**	**4.5b,3.3s**	**248**	**1-93**
MOS	XI	28 20 33 19.3–1.1	43.21N	146.54E	54	4.8b,3.3s		**¶621480978**
NIED	XI	28 20 33 20.8	43.19N	146.48E	55	4.0W,3.3s		
JMA	XI	28 20 33 20.8–.17	43.2N–.50	146E–1.0	55–1	4.3,3.9		
SKHL	XI	28 20 33 21.0–.30	43.20N	146.60E	65–4	5.4b,3.9		
NEIC	XI	28 20 33 21.4–2.2	43.14N–.07	146.6E–.10	53–7	4.6b,3.9		
IDC	XI	28 20 33 24.0–2.1	43.32N	146.49E	72–17	4.1,3.8b		

ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=9.7km s-min=6.2km az=108.1. Felt (II-III) at Goryachiy Plyazh, Yuzhno-Kuril'sk. Moment Tensor Solution.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.16 $M_{\phi r}$0.52 NP1:ϕ_s243.00000°,δ28.00000°,λ107.00000°. NP2:ϕ_s44.00000°,δ63.00000°,λ81.00000°. M_o1.02000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.5km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.5km s-min=12.4km az=124.0.

ISC	**XII**	**02 21 01 07.9–.41**	**45.54N–.05**	**150.70E–.05**	**100**	**4.3b**	**220**	**2-152**
NEIC	XII	02 21 01 08.4–1.5	45.7N–.10	150.7E–.10	95–6	4.4b		**¶621611285**
IDC	XII	02 21 01 08.4–2.3	45.74N	150.56E	98–20	4.1,3.8b		
MOS	XII	02 21 01 08.1–1.3	45.69N	150.59E	110	4.4b,3.8b		
SKHL	XII	02 21 01 09.7–.20	45.40N	150.50E	117–6	6.2,5.9		
JMA	XII	02 21 01 12.7–.65	45N–3.0	150E–4.0	115	4.5,5.9		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .

KRSC	**XII**	**01 03 28 15.6–1.7**	**50.66N**	**156.37E**	**112–13**	**3.6L**		
								¶621607716

KRSC Event type se.

ISC	**XII**	**05 01 50 30.8–.77**	**50.5N–.10**	**153.5E–.10**	**250**	**3.1b**	**24**	**2-75**
KRSC	XII	05 01 50 28.3–1.9	49.65N	155.01E	293–15	4.2L		**¶621613078**
IDC	XII	05 01 50 31.4–1.7	50.70N	153.33E	247–18	3.6,3.0b		

ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=14.8km az=155.0.

ISC	**XII**	**03 12 17 42.7–.53**	**46.38N–.07**	**153.14E–.06**	**40**	**4.2b,3.5s**	**153**	**4-148**
MOS	XII	03 12 17 37.7–1.2	46.46N	153.14E	15	4.4b,3.5s		**¶621630595**
IDC	XII	03 12 17 37.3–.69	46.39N	153.08E	0	3.9b,3.9		
SKHL	XII	03 12 17 42.4–.20	46.20N	153.40E	60–9	4.9b,3.9		
NEIC	XII	03 12 17 43.6–.99	46.59N–.09	153.01E–.04	38–8	4.3b,3.9		
JMA	XII	03 12 17 46.7–1.5	46N–6.0	153E–10	30	4.2,3.9		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .

ISC	**XII**	**04 08 02 35.4–.49**	**44.68N–.05**	**149.23E–.05**	**73–3**	**4.7b**	**584**	**1-151**
MOS	XII	04 08 02 33.5–1.0	44.75N	149.25E	64	5.0b		**¶621612103**
SKHL	XII	04 08 02 34.6–.10	44.60N	149.30E	73–5	5.2b		
BJI	XII	04 08 02 34.2	44.78N	149.28E	78	5.2b,4.8b		
NIED	XII	04 08 02 35.8	44.46N	149.08E	30	4.3W,4.8b		
JMA	XII	04 08 02 35.8–.69	44N–2.0	149E–4.0	30	4.7,4.8b		
NEIC	XII	04 08 02 36.4–1.2	44.8N–.10	149.2E–.10	73–7	4.8b,4.8b		
GFZ	XII	04 08 02 36.0–.44	45N–6.0	149E–6.0	66	5.4b,4.9b		
IDC	XII	04 08 02 36.2–2.0	44.82N	149.17E	75–17	4.4,4.2b		
BGR	XII	04 08 03 04.7	49.44N	144.77E	33	4.8b,4.2b		

ISC Event type ke.
MOS Error ellipse: s-maj=6.5km s-min=4.8km az=114.8.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.04 $M_{\theta\theta}$-1.51 $M_{\phi\phi}$0.47 $M_{r\theta}$1.97 $M_{\theta\phi}$-0.43 $M_{\phi r}$1.96 NP1:ϕ_s289.00000°,δ20.00000°,λ149.00000°. NP2:ϕ_s48.00000°,δ80.00000°,λ72.00000°. M_o3.11000×10^{15}
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=12.0km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=13.8km s-min=11.0km az=151.0.
BGR Event type ke.

KRSC	**XII**	**09 17 28 18.1–2.0**	**50.50N**	**157.60E**	**44–26**	**3.6L**		
								¶621626260

KRSC Event type se.

ISC	**XII**	**06 06 47 07.6–.90**	**49.0N–.20**	**153.5E–.10**	**200**	**3.2b**	**19**	**2-76**
KRSC	XII	06 06 47 00.8–1.0	48.97N	152.91E	180–33	4.0L		**¶621632582**
IDC	XII	06 06 47 06.0–2.5	48.74N	153.32E	172–23	3.6,3.1b		

ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=18.4km az=148.0.

ISC	**XII**	**06 15 37 05.5–4.1**	**44.3N–.10**	**149.2E–.20**	**42**		**20**	**1-5**
SKHL	XII	06 15 37 05.8–.10	44.30N	149.20E	57–4	4.4b		**¶626706515**
JMA	XII	06 15 37 07.6–.71	44N–2.0	149E–4.0	30	3.8		

ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .

KRSC	**XII**	**10 14 34 24.0–1.4**	**49.42N**	**156.05E**	**112–18**	**3.6L**		
								¶621627402

KRSC Event type se.

ISC	**XII**	**10 11 55 30.1–.32**	**47.20N–.05**	**153.43E–.04**	**57–2**	**4.7b,3.8s**	**477**	**4-155**
BJI	XII	10 11 55 23.8	47.22N	153.91E	42	4.9b,4.4b		**¶621627184**
MOS	XII	10 11 55 29.1–.91	47.25N	153.43E	65	4.8b,4.4b		
NEIC	XII	10 11 55 29.8–1.1	47.25N–.09	153.2E–.10	51–7	4.9b,4.4b		
IDC	XII	10 11 55 31.5–.52	47.37N	153.17E	63–4	4.4,4.1b		
GFZ	XII	10 11 55 31.5–.19	47N–4.0	153E–3.0	62–1	5.7b,5.2		
SKHL	XII	10 11 55 31.3–.20	47.30N	153.50E	83–7	6.1,5.4b		
JMA	XII	10 11 55 31.7–1.1	46N–4.0	153E–7.0	30	4.8,5.4b		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. KURILE ISLANDS REGION .

ISC	**XII**	**11 11 52 53.4–2.4**	**49.4N–.30**	**154.8E–.20**	**200**	**3.2b**	**30**	**2-47**
IDC	XII	11 11 52 31.7–14	48.06N	153.47E	0	3.6b,3.6		**¶621644185**
KRSC	XII	11 11 52 54.9–1.4	49.30N	155.23E	197–14	3.6L,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=294.9km s-min=25.8km az=147.0.
KRSC Event type se.

ISC	**XII**	**11 12 00 23.3–.81**	**48.1N–.10**	**153.5E–.10**	**117**	**3.6b**	**19**	**6-77**
IDC	XII	11 12 00 22.9–2.3	48.12N	153.60E	113–20	3.8,3.4b		**¶621644187**

ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=12.3km az=143.0.

ISC	**XII**	**11 21 34 12.8–.33**	**43.25N–.04**	**146.41E–.04**	**41–2**	**4.7b,3.8s**	**515**	**1-150**
BGR	XII	11 21 34 09.0	42.68N	147.39E	33	4.4b,3.8s		**¶621644217**
BJI	XII	11 21 34 09.0	43.24N	146.94E	46	4.7s,4.5		
MOS	XII	11 21 34 12.0–.92	43.24N	146.40E	47	4.9b,4.5		
NIED	XII	11 21 34 13.8	43.26N	146.32E	46	4.5W,4.5		
JMA	XII	11 21 34 13.8–.14	43.3N–.40	146.3E–.90	46–1	4.7,4.5		
SKHL	XII	11 21 34 13.7–.00	43.20N	146.40E	55–2	5.6b,4.5		
GFZ	XII	11 21 34 13.1–.27	43N–4.0	147E–4.0	37–1	5.1b,4.9b		
IDC	XII	11 21 34 13.8–1.8	43.34N	146.33E	44–16	4.3,4.1b		
NEIC	XII	11 21 34 14.3–1.3	43.32N–.06	146.40E–.06	51–6	4.8b,4.1b		

ISC Event type ke.
BGR Event type ke.
MOS Event type fe. Felt (III) at Malokuril'skoye; (II) at Yuzhno-Kuril'sk, Goryachiy Plyazh. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.89 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-0.97 $M_{r\theta}$5.17 $M_{\theta\phi}$-4.17 $M_{\phi r}$0.35 NP1:ϕ_s179.00000°,δ39.00000°,λ8.00000°. NP2:ϕ_s83.00000°,δ85.00000°,λ128.00000°. M_o6.72000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**12 06 56 21.7–1.6**	**49.6N–.10**	**156.6E–.20**	**57**	**3.6b**	**26**	**2-74**
IDC	XII	12 06 56 13.2–3.1	49.33N	156.41E	0	3.6b,3.6		**¶621627982**
KRSC	XII	12 06 56 19.4–1.7	49.59N	157.04E	51–24	4.1L,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=65.6km s-min=28.4km az=146.0.
KRSC Event type se.

ISC	**XII**	**12 03 42 33.9–1.9**	**48.6N–.20**	**155.1E–.30**	**43**		**19**	**2-75**
IDC	XII	12 03 42 23.3–2.4	48.00N	154.46E	0	3.7b,3.7		**¶621627980**
KRSC	XII	12 03 42 36.0–1.4	48.74N	156.03E	40–21	4.2L,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=55.7km s-min=31.0km az=116.0.
KRSC Event type se.

ISC	**XII**	**12 03 56 10.7–.58**	**44.60N–.04**	**148.36E–.05**	**69–4**	**4.6b**	**415**	**1-151**
SKHL	XII	12 03 56 08.6–.30	44.50N	148.60E	64–6	5.8b		**¶621627636**
MOS	XII	12 03 56 08.3–.99	44.53N	148.43E	65	4.7b		
BJI	XII	12 03 56 08.4	44.45N	148.55E	77	5.0b,4.8b		
NIED	XII	12 03 56 10.3	44.36N	148.00E	0	4.4W,4.8b		
JMA	XII	12 03 56 10.3–.55	44N–2.0	148E–3.0	0	5.1,4.4		
NEIC	XII	12 03 56 11.6–1.7	44.66N–.07	148.29E–.05	72–5	4.7b,4.4		
IDC	XII	12 03 56 11.0–1.8	44.66N	148.25E	71–15	4.4,4.1b		

ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=6.9km s-min=5.6km az=103.7. Felt (III) at Gornoye; (II-III) at Malokuril'skoye, Reydovo, Yuzhno-Kuril'sk. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.70 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.77 $M_{r\theta}$2.53 $M_{\theta\phi}$-1.70 $M_{\phi r}$3.86 NP1:ϕ_s238.00000°,δ9.00000°,λ116.00000°. NP2:ϕ_s32.00000°,δ82.00000°,λ86.00000°. M_o4.83000×10^{15}
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=0.8km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.4km s-min=9.1km az=129.0.

ISC	**XII**	**12 18 20 26.3–.83**	**50.23N–.05**	**157.14E–.04**	**90–7**	**4.2b**	**214**	**1-92**
KRSC	XII	12 18 20 24.7–2.4	50.18N	157.55E	60–31	5.0L		**¶621627827**
MOS	XII	12 18 20 25.6–1.1	50.22N	157.03E	99	4.3b		
NEIC	XII	12 18 20 26.7–1.6	50.26N–.08	157.0E–.10	93–7	4.5b		
IDC	XII	12 18 20 29.9–1.5	50.40N	156.81E	114–12	4.1,3.7b		

ISC Event type se.
KRSC Event type se. Felt [III-IV] at Severo-Kurilsk.
MOS Event type fe. Error ellipse: s-maj=9.4km s-min=4.1km az=82.3. Felt (III-IV) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.3km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.8km s-min=9.5km az=150.0.

ISC	**XII**	**12 19 04 41.4–.24**	**48.81N–.03**	**154.52E–.03**	**84–1**	**5.2b**	**1376**	**2-156**
BJI	XII	12 19 04 39.9	48.93N	154.57E	98	5.1b,5.1b		**¶621627825**
KRSC	XII	12 19 04 40.2–1.8	48.79N	154.79E	135–36	5.6L,5.1b		
SKHL	XII	12 19 04 40.2–.10	48.60N	155.00E	112–3	6.7,5.9b		
GFZ	XII	12 19 04 41.7–.22	49N–3.0	154E–2.0	75–2	6.6,6.5		
IDC	XII	12 19 04 41.5–.33	48.90N	154.25E	80–2	5.0,4.6b		
MOS	XII	12 19 04 41.6–1.2	48.88N	154.50E	100	5.0b,4.6b		
NEIC	XII	12 19 04 41.4–1.8	48.86N–.08	154.4E–.10	81–4	5.2b,5.0		
GCMT	XII	12 19 04 43.4–.20	48.80N–.01	154.71E–.02	75–2	5.1W,5.0		
JMA	XII	12 19 04 47.6–1.2	47N–5.0	155E–9.0	2	4.9,5.0		
BGR	XII	12 19 04 49.0–3.4	49.95N	153.46E	85	5.2b,5.0		

ISC Event type ke.
KRSC Event type se.
GFZ Error ellipse: s-maj=6.5km s-min=3.9km az=143.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=8.7km s-min=6.7km az=123.0.
MOS Error ellipse: s-maj=5.0km s-min=2.9km az=80.9.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.7km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112121904A. Moment Tensor Solution. s71,c101; s121,c205;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.57±.17 $M_{\theta\theta}$-1.81±.15; $M_{\phi\phi}$3.37±.14; $M_{r\theta}$-2.74±.09; $M_{\theta\phi}$-0.14±.12; $M_{\phi r}$-3.78±.08; Best double couple: NP1: ϕ_s141.00000°,δ28.00000°,λ-159.00000°. NP2:ϕ_s33.00000°,δ80.00000°,λ-64.00000°. Principal axes: T 5.6230,Plg31.0000°,Azm102.0000°; N -0.2430,Plg26.0000°,Azm208.0000°; P -5.3900,Plg48.0000°,Azm330.0000° M_o5.50600×10^{16}
JMA Event type ke. FAR FIELD .
BGR Event type ke. Error ellipse: s-maj=57.8km s-min=13.3km az=9.0.

ISC	**XII**	**14 20 43 06.7–4.2**	**44.4N–.10**	**148.1E–.20**	**2–29**		**19**	**1-4**
SKHL	XII	14 20 43 08.2–.20	44.40N	148.40E	45–5	4.6b		**¶626706818**

JMA XII 14 20 43 09.4–.74 44N–3.0 148E–4.0 0 4.0
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC XII 14 21 22 14.1–1.1 44.36N–.05 148.30E–.06 61–9 4.1b 114 1-151
MOS XII 14 21 22 11.7–1.0 44.39N 148.43E 53 4.4b ¶621630101
NIED XII 14 21 22 12.4 44.11N 148.09E 0 3.9W
JMA XII 14 21 22 12.4–.48 44N–2.0 148E–3.0 0 4.8
SKHL XII 14 21 22 13.1–.30 44.40N 148.40E 58–7 5.1b
NEIC XII 14 21 22 15.6–1.4 44.6N–.10 148.1E–.10 65–6 4.2b
IDC XII 14 21 22 16.2–3.1 44.51N 148.22E 75–27 3.8,3.5b
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=10.0km s-min=9.3km az=75.0. Felt (II) at Gornoye. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.09 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$0.18 $M_{r\theta}$3.88 $M_{\theta\phi}$-1.99 $M_{\phi r}$6.16 NP1:ϕ_s275.00000°,δ13.00000°,λ153.00000°. NP2:ϕ_s31.00000°,δ84.00000°,λ78.00000°. M_o7.59000×10^{14}
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=12.0km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.2km s-min=16.2km az=139.0.
ISC XII 18 14 32 15.8–2.1 45.2N–.20 150.6E–.20 100 3.3b 20 2-77
SKHL XII 18 14 32 19.7–.80 44.90N 150.50E 57–2 4.3b ¶621657008
JMA XII 18 14 32 20.8–.61 45N–3.0 150E–4.0 125 3.0
IDC XII 18 14 32 23.4–19 46.08N 149.98E 127–88 3.4,3.0b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=277.2km s-min=33.8km az=168.0.
ISC XII 16 03 35 59.7–1.1 47.6N–.10 154.1E–.10 31 4.2b 24 6-84
NEIC XII 16 03 36 00.4–1.2 47.5N–.10 154.07E–.10 35–2 4.3b ¶621655749
IDC XII 16 03 36 09.9–25 47.33N 153.66E 124–68 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=8.3km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=422.1km s-min=48.5km az=152.0.
ISC XII 16 10 39 39.1–3.1 44.28N–.10 148.3E–.30 9–29 24 1-5
JMA XII 16 10 39 42.4–.56 44N–2.0 148E–3.0 0 4.4 ¶621750455
NIED XII 16 10 39 42.4 44.04N 148.02E 0 3.6W
SKHL XII 16 10 39 42.8–.40 44.40N 148.30E 36–7 4.7b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$-0.09 $M_{r\theta}$1.07 $M_{\theta\phi}$-0.64 $M_{\phi r}$1.97 NP1:ϕ_s266.00000°,δ14.00000°,λ147.00000°. NP2:ϕ_s29.00000°,δ82.00000°,λ78.00000°. M_o2.38000×10^{14}
KRSC XII 17 18 04 09.7–1.4 50.60N 157.81E 48–21 3.6L
¶621633471
KRSC Event type se.
ISC XII 19 04 12 12.3–1.1 44.01N–.09 149.55E–.09 38 4.1b 42 2-78
NEIC XII 19 04 12 07.2–1.5 43.8N–.10 149.80E–.06 10–2 4.1b ¶622512248
SKHL XII 19 04 12 11.3–.10 44.00N 149.60E 39–8 4.4b
JMA XII 19 04 12 13.2–.60 44N–2.0 149E–3.0 30 3.5
IDC XII 19 04 12 18.8–3.6 45.66N 148.31E 0 3.8b,3.8
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=5.2km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SE OFF ETOROFU .
IDC Error ellipse: s-maj=92.3km s-min=24.1km az=147.0.
ISC XII 19 13 21 12.5–.53 48.17N–.07 154.16E–.06 64 4.0b 138 3-138
SKHL XII 19 13 21 12.6–.30 48.10N 154.30E 90–3 5.5,4.8b ¶621633797
KRSC XII 19 13 21 13.8–2.0 48.01N 156.01E 31–43 4.3L,4.8b
IDC XII 19 13 21 14.4–2.6 48.23N 153.90E 86–24 3.8,3.6s
MOS XII 19 13 21 14.2–.88 48.30N 154.06E 97 4.2b,3.6s
NEIC XII 19 13 21 16.3–1.2 48.3N–.10 153.9E–.20 98–7 4.2b,3.6s
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 19 05 57 57.1–.46 47.27N–.06 152.33E–.06 128 4.2b 177 4-91
SKHL XII 19 05 57 56.0–.90 47.20N 152.60E 130–9 5.8,5.1b ¶621633620
MOS XII 19 05 57 57.1–1.4 47.46N 152.25E 138 4.1b,5.1b
NEIC XII 19 05 57 57.4–.70 47.5N–.10 152.1E–.20 119–7 4.4b,5.1b
IDC XII 19 05 57 59.2–2.1 47.57N 152.13E 135–19 4.0,3.6b
JMA XII 19 05 58 01.0–.97 47N–5.0 152E–7.0 200 3.9,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC XII 24 13 20 15.4–1.6 49.3N–.10 156.4E–.10 57 3.5b 52 1-75
MOS XII 24 13 20 07.7–.49 48.85N 156.43E 25 4.2b ¶621653353
KRSC XII 24 13 20 14.4–1.7 49.38N 156.60E 61–28 4.3L
IDC XII 24 13 20 20.0–1.3 49.76N 159.23E 0 3.4b,3.4
ISC Event type se.
MOS Error ellipse: s-maj=48.4km s-min=5.4km az=79.9.
KRSC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=24.4km az=86.0.
ISC XII 22 01 49 05.7–1.2 48.74N–.07 155.27E–.07 63–10 3.9b 132 2-137
KRSC XII 22 01 49 02.4–1.5 48.61N 156.61E 16–31 4.7L ¶621637449
MOS XII 22 01 49 03.1–.96 48.67N 155.26E 53 4.1b
SKHL XII 22 01 49 04.8–.60 48.70N 155.30E 81–8 5.7,4.9b
NEIC XII 22 01 49 08.3–1.5 49.0N–.10 154.8E–.20 76–9 4.2b,4.9b
IDC XII 22 01 49 08.6–2.7 48.95N 154.80E 80–24 3.9,3.5b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=14.3km s-min=4.1km az=73.4.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=10.7km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.8km s-min=13.4km az=151.0.
ISC XII 22 22 58 05.3–1.6 48.8N–.20 155.3E–.20 100 3.4b 24 2-63
IDC XII 22 22 58 09.2–7.8 48.96N 154.98E 129–51 3.6,3.2b ¶621648364
KRSC XII 22 22 58 11.3–1.6 49.01N 156.76E 46–31 4.0L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=76.8km s-min=25.8km az=167.0.
KRSC Event type se.
ISC XII 20 05 11 13.7–.83 44.95N–.10 149.44E–.08 60 3.6b 25 1-81
SKHL XII 20 05 11 12.8–.40 45.10N 149.50E 67–4 4.6b ¶621685585
JMA XII 20 05 11 13.4–.79 45N–3.0 149E–4.0 30 4.0
IDC XII 20 05 11 16.3–3.5 45.02N 149.43E 86–33 3.6,3.2b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
IDC Error ellipse: s-maj=40.0km s-min=18.2km az=130.0.
ISC XII 26 22 15 40.9–.66 47.2N–.10 152.8E–.10 100 3.8b 44 6-139
IDC XII 26 22 15 39.8–2.8 47.31N 153.04E 82–25 4.0s,3.9 ¶621700264
NEIC XII 26 22 15 39.7–.90 47.3N–.10 152.9E–.10 75–8 4.4b,3.9
JMA XII 26 22 15 42.2–1.1 46N–7.0 153E–8.0 137 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC XII 25 07 24 27.9–3.8 44.3N–.10 148.9E–.20 42 18 1-4
JMA XII 25 07 24 28.2–1.2 44N–4.0 149E–6.0 30 3.6 ¶626707289
SKHL XII 25 07 24 28.8–.10 44.30N 148.80E 45–5 4.5b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC XII 30 13 46 23.6–2.4 44.26N–.09 148.1E–.10 10 29 1-4
JMA XII 30 13 46 26.1–.25 44N–1.0 148E–1.0 0 3.9 ¶626707422
SKHL XII 30 13 46 27.2–.60 44.40N 148.10E 31–9 4.5b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC XII 30 05 07 14.7–.61 46.57N–.07 150.04E–.08 162 3.8b 89 2-79
SKHL XII 30 05 07 12.2–.60 46.20N 150.60E 168–5 5.5,4.9b ¶621657273
MOS XII 30 05 07 13.8–1.3 46.54N 150.18E 174 4.1b,4.9b
JMA XII 30 05 07 17.8–.56 46N–3.0 150E–4.0 165 3.7,4.9b
IDC XII 30 05 07 17.6–1.8 46.77N 150.01E 184–16 3.9,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=11.3km s-min=9.8km az=60.0.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=21.1km s-min=11.2km az=148.0.
KRSC XII 30 04 12 44.3–.88 50.29N 157.00E 30–12 3.6L
¶621657677
KRSC Event type se.
KRSC XII 30 08 56 17.0–1.3 49.33N 156.94E 15–23 4.0L
¶621657679
KRSC Event type se.
ISC XII 30 19 39 30.4–.84 50.46N–.06 156.90E–.05 83–6 4.1b 164 1-136
MOS XII 30 19 39 30.3–1.0 50.45N 156.75E 96 4.2b ¶621657638
KRSC XII 30 19 39 30.1–2.2 50.46N 157.11E 68–22 4.5L
NEIC XII 30 19 39 33.7–1.7 50.72N–.09 156.5E–.20 104–8 4.2b
IDC XII 30 19 39 34.5–2.1 50.72N 156.51E 113–18 3.9,3.4b
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=13.6km s-min=3.6km az=76.8. Felt (II-III) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se. Felt [II-III] at Severo-Kurilsk; Felt at Podgornay.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=12.5km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=14.3km az=147.0.
ISC XII 31 04 14 18.7–2.3 43.75N–.10 147.28E–.09 12–12 22 1-3
JMA XII 31 04 14 21.4–.32 44N–1.0 147E–2.0 28 3.6 ¶626707435
SKHL XII 31 04 14 22.1–.10 43.70N 147.30E 35–5 4.5b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
SKHL XII 31 07 26 42.2–.00 45.40N 151.30E 47–2 4.5b
JMA XII 31 07 26 43.9–.86 46N–3.0 150E–6.0 30 3.8 ¶626707436
JMA Event type ke. KURILE ISLANDS REGION .

(222) East of Kuril Islands.

ISC VII 02 17 38 25.1–.46 46.66N–.04 154.07E–.03 19–1 5.1b,4.9s 989 4-154
BJI VII 02 17 38 20.7 46.71N 154.09E 5 5.3b,5.1s ¶620714073
NEIC VII 02 17 38 21.6 46.45N 154.42E 10 5.3b,5.1s
NEIC VII 02 17 38 21.4–1.9 46.44N–.09 154.4E–.10 10–1 5.2b,5.1s
NEIC VII 02 17 38 22 46.15N 154.56E 18 5.3,5.1s
IDC VII 02 17 38 24.3–.47 46.77N 153.74E 0 4.7b,4.7
GFZ VII 02 17 38 25.5–.44 47N–5.0 154E–6.0 10 5.0b,5.0
SKHL VII 02 17 38 25.1–.60 46.50N 154.30E 52–5 5.9,5.8s
GFZ VII 02 17 38 26.3 46.76N 153.75E 19 5.2W,5.8s
MOS VII 02 17 38 28.0–1.2 46.78N 153.61E 36 5.3b,5.1s
JMA VII 02 17 38 29.8–.79 46N–4.0 154E–5.0 30 5.7,5.3
GCMT VII 02 17 38 30.3–.10 46.78N–.01 153.97E–.01 17–0 5.2W,5.3
BGR VII 02 17 38 39.3 47.96N 151.99E 33 5.2b,4.9s
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.4km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-0.53 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.27 NP1:ϕ_s194.32000°,δ29.39000°,λ54.78000°. NP2:ϕ_s53.34000°,δ66.37000°,λ108.00000°. Principal axes: T 1.0315,Plg64.0000°,Azm353.0000°; N -0.0526,Plg16.0000°,Azm226.0000° ; P -0.9788,Plg19.0000°,Azm130.0000° M_o1.01000×10^{17}
IDC Error ellipse: s-maj=12.1km s-min=8.5km az=144.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}7.73 $M_{\theta\theta}$-3.22 $M_{\phi\phi}$-4.51 $M_{r\theta}$-1.64 $M_{\theta\phi}$-3.19 $M_{\phi r}$-0.85 NP1: ϕ_s224.24147°,δ51.64083°,λ96.01994°. NP2:ϕ_s34.59737°,δ38.75665°,λ82.45156°. Principal axes: T 7.9804,Plg81.9856°,Azm166.3747°; N -0.6680,Plg4.7171°,Azm40.4971° ; P -7.3124,Plg6.4645°,Azm309.9614° M_o7.66829×10^{16}
MOS Error ellipse: s-maj=6.5km s-min=4.0km az=115.8.
JMA Event type ke. KURILE ISLANDS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107021738A. Moment Tensor Solution. s98,c176; s149,c288;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.84±.02 $M_{\theta\theta}$-0.27±.01; $M_{\phi\phi}$-0.57±.01; $M_{r\theta}$0.07±.03; $M_{\theta\phi}$-0.45±.01; $M_{\phi r}$0.33±.03; Best double couple: NP1: ϕ_s224.00000°,δ36.00000°,λ104.00000°. NP2:ϕ_s27.00000°,δ55.00000°,λ80.00000°. Principal axes: T 0.9120,Plg77.0000°,Azm263.0000°; N 0.0310,Plg8.0000°,Azm33.0000° ; P -0.9430,Plg10.0000°,Azm124.0000° M_o0.92700×10^{17}
BGR Event type ke.
ISC VII 02 18 02 52.8–2.5 46.0N–.30 154.6E–.20 35 3.8b 23 5-70
IDC VII 02 18 02 37.1–4.8 44.76N 156.18E 0 3.7b,3.7 ¶620927768
SKHL VII 02 18 02 56.4–.10 45.50N 154.50E 50–4 4.3b,3.7
JMA VII 02 18 03 00.2–1.3 46N–10 154E–9.0 30 3.9,3.7
ISC Event type ke.
JMA Event type ke. FAR SE OFF KURILE ISL .
KRSC VII 03 07 24 18.5–.92 50.99N 158.17E 44–13 3.7L
¶620733493
KRSC Event type se.
KRSC VII 04 13 22 16.3–1.1 51.00N 158.24E 48–15 3.7L
¶620733907
KRSC Event type se.
ISC VII 05 09 56 24.0–4.5 49.34N–.07 158.66E–.06 10–29 3.8b 116 2-145
IDC VII 05 09 56 22.6–.80 49.16N 158.56E 0 3.7,3.6b ¶620752020
KRSC VII 05 09 56 25.9–1.9 49.53N 158.96E 41–44 4.1L,3.6b
MOS VII 05 09 56 26.5–.56 49.39N 158.54E 44 4.0b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=16.8km az=85.0.
KRSC Event type se.
MOS Error ellipse: s-maj=20.2km s-min=3.9km az=90.1.
IDC VII 05 14 50 42.3–1.3 46.64N 157.71E 0 3.4b,3.3
¶620927964
IDC Error ellipse: s-maj=66.0km s-min=17.7km az=100.0.
ISC VII 06 11 14 51.9–2.3 43.78N–.08 148.3E–.10 10 29 1-5
SKHL VII 06 11 14 55.0–.30 43.70N 148.40E 48–3 4.6b ¶626094382
JMA VII 06 11 14 55.3–.61 44N–2.0 148E–3.0 0 3.5
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC VII 06 19 35 10.7–.65 45.81N–.07 152.07E–.07 48 3.8b 64 3-79
IDC VII 06 19 35 03.9–.81 45.84N 151.60E 0 3.7b,3.7 ¶620757324
SKHL VII 06 19 35 11.6–.20 45.80N 152.10E 69–3 5.0b,3.7
MOS VII 06 19 35 12.1–1.2 45.92N 151.83E 77 4.4b,3.7
JMA VII 06 19 35 13.2–1.2 45N–5.0 152E–8.0 30 4.4,3.7
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
KRSC VII 07 00 57 30.0–1.9 48.89N 156.44E 6–38 4.2L
¶620773508
KRSC Event type se.
KRSC VII 11 06 17 37.0–1.5 50.05N 159.22E 60–33 4.1L
¶620787659
KRSC Event type se.
KRSC VII 11 11 00 47.5–2.0 49.46N 157.08E 42–32 4.0L
¶620787660
KRSC Event type se.
ISC VII 15 11 24 51.9–1.3 48.9N–.10 156.3E–.10 34 3.6b 32 2-78
KRSC VII 15 11 24 51.5–2.4 48.98N 157.20E 26–42 4.0L ¶620831711
IDC VII 15 11 24 53.6–.85 49.55N 154.84E 0 3.6b,3.6
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=13.5km az=136.0.
KRSC VII 15 11 40 26.4–2.0 48.89N 156.39E 52–29 4.2L

¶620831712
KRSC Event type se.
JMA VII 15 20 28 23.7–.81 45N–4.0 152E–5.0 30 4.1
SKHL VII 15 20 28 23.1–.20 44.50N 152.50E 55–2 4.4b ¶626094650
JMA Event type ke. FAR SE OFF KURILE ISL .
ISC VII 16 01 09 57.9–3.7 43.2N–.10 148.9E–.20 35 22 2-4
SKHL VII 16 01 09 56.7–.60 43.10N 148.90E 27–5 4.4b ¶626094682
JMA VII 16 01 09 56.9–.55 43N–2.0 149E–3.0 30 3.7
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
SKHL VII 18 02 09 13.6–.20 44.70N 152.70E 22–2 4.4b
JMA VII 18 02 09 17.1–1.0 46N–5.0 152E–7.0 30 3.5 ¶626094732
JMA Event type ke. KURILE ISLANDS REGION .
KRSC VII 20 07 10 03.6–3.1 49.71N 157.19E 50–26 3.9L
¶620840358
KRSC Event type se.
ISC VII 21 18 42 10.3–1.6 48.9N–.10 156.2E–.10 35 3.8b 53 2-62
MOS VII 21 18 42 02.4–.62 48.15N 156.49E 40 3.8b ¶620844697
KRSC VII 21 18 42 17.0–1.7 49.32N 156.90E 41–25 4.1L
IDC VII 21 18 42 25.0–7.9 49.88N 155.77E 140–57 3.7,3.4s
ISC Event type se.
MOS Error ellipse: s-maj=33.8km s-min=5.0km az=83.1.
KRSC Event type se.
IDC Error ellipse: s-maj=80.5km s-min=28.8km az=178.0.
ISC VII 26 03 05 46.8–3.8 43.93N–.10 148.3E–.20 12–22 27 1-4
SKHL VII 26 03 05 50.0–.60 43.90N 148.40E 42–4 4.5b ¶626089256
JMA VII 26 03 05 50.5–.59 44N–2.0 148E–3.0 0 3.8
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC VII 22 18 11 38.1–1.7 49.52N 159.21E 29–23 4.0L
¶620845284
KRSC Event type se.
KRSC VII 25 03 05 26.4–2.2 49.15N 157.23E 8–38 3.7L
¶620846087
KRSC Event type se.
ISC VII 31 16 10 23.7–1.9 48.9N–.10 156.3E–.10 41–23 3.7b 72 2-75
MOS VII 31 16 10 23.1–.65 48.83N 156.24E 52 4.4b ¶620925396
KRSC VII 31 16 10 26.1–2.0 49.11N 156.93E 41–30 4.2L
IDC VII 31 16 10 30.9–2.7 49.58N 155.08E 116–24 3.6,3.3b
ISC Event type se.
MOS Error ellipse: s-maj=29.8km s-min=4.7km az=77.3.
KRSC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=18.9km az=137.0.
KRSC VII 31 05 07 25.0–1.3 49.66N 157.01E 49–23 3.7L
¶620925394
KRSC Event type se.
ISC VII 26 16 29 12.7–3.7 43.2N–.10 148.8E–.20 35 20 2-4
SKHL VII 26 16 29 11.2–.10 43.20N 148.80E 25–4 4.5b ¶626089258
JMA VII 26 16 29 12.5–.57 43N–1.0 149E–3.0 30 3.7
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC VIII 01 07 38 09.0–1.9 49.28N 158.43E 41–44 3.7L
¶620929074
KRSC Event type se.
ISC VIII 03 04 10 33.3–2.2 47.0N–.20 155.4E–.20 18 4.0b 7 6-65
IDC VIII 03 04 10 28.6–2.6 46.64N 155.50E 0 3.7b,3.7 ¶620995843
ISC Event type se.
IDC Error ellipse: s-maj=52.7km s-min=24.2km az=135.0.
IDC VIII 02 21 56 36.1–10 47.52N 155.38E 0 3.7b,3.6
¶620993266
IDC Error ellipse: s-maj=217.5km s-min=31.1km az=137.0.
KRSC VIII 07 10 03 13.3–3.1 48.06N 156.65E 18–63 4.0L
¶620976264
KRSC Event type se.
KRSC VIII 03 18 23 38.5–1.3 50.98N 158.18E 46–18 3.9L
¶620966506
KRSC Event type se.
SKHL VIII 05 13 53 39.7–.80 44.40N 150.10E 54–4 4.6b
JMA VIII 05 13 53 41.1–.72 44N–3.0 150E–4.0 30 3.8 ¶626187898
JMA Event type ke. SE OFF ETOROFU .
KRSC VIII 07 00 22 00.1–2.5 48.93N 156.74E 45–43 4.1L
¶620976262
KRSC Event type se.
ISC VIII 17 04 21 39.8–2.9 44.0N–.10 148.1E–.20 70 17 1-4
SKHL VIII 17 04 21 38.9–.30 43.90N 148.20E 40–4 4.5b ¶626188721
JMA VIII 17 04 21 39.4–.87 44N–2.0 148E–5.0 0 3.5
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
KRSC VIII 07 08 12 14.8–2.2 49.71N 157.02E 51–35 3.7L
¶620976263
KRSC Event type se.
KRSC VIII 13 16 08 45.5–1.5 48.51N 157.98E 16–34 4.3L
¶620986686
KRSC Event type se.
KRSC VIII 23 16 32 45.5–1.5 48.96N 156.98E 18–24 3.9L
¶621001929
KRSC Event type se.
KRSC VIII 28 14 18 51.2–1.7 49.52N 158.99E 40–26 4.4L
¶621009920
KRSC Event type se.
ISC VIII 26 09 17 10.0–.83 46.78N–.08 155.45E–.09 10 4.0b,3.0s 47 4-79
IDC VIII 26 09 17 07.8–.82 46.52N 155.47E 0 3.9b,3.9 ¶621007952
SKHL VIII 26 09 17 10.8–.30 46.80N 155.50E 33–9 4.8b,3.9
MOS VIII 26 09 17 11.3–1.9 46.32N 155.26E 40 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=13.9km az=144.0.
MOS Error ellipse: s-maj=12.7km s-min=11.1km az=11.8.
KRSC VIII 24 12 53 05.0–2.7 49.29N 157.15E 8–63 3.6L
¶621007031
KRSC Event type se.
KRSC VIII 26 11 06 13.0–2.6 48.18N 156.27E 6–43 3.9L
¶625369654
KRSC Event type se.
JMA VIII 28 18 54 51.5–.79 45N–3.0 151E–5.0 30 3.7
¶626306965
JMA Event type ke. KURILE ISLANDS REGION .
ISC VIII 30 09 15 27.8–1.4 50.95N–.06 158.15E–.05 24–10 3.8b 78 1-135
MOS VIII 30 09 15 27.1–.72 50.79N 158.25E 40 3.9b ¶621011063
KRSC VIII 30 09 15 28.1–1.3 50.98N 158.35E 49–21 4.7L
IDC VIII 30 09 15 32.2–.84 51.61N 159.66E 0 3.7b,3.7
ISC Event type se.
MOS Error ellipse: s-maj=16.2km s-min=4.5km az=86.2.
KRSC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=18.9km az=73.0.
KRSC VIII 31 02 56 53.8–1.9 48.22N 157.94E 8–57 3.7L
¶621012718
KRSC Event type se.
ISC IX 12 16 39 59.1–3.8 43.0N–.20 148.8E–.20 35 19 2-5
SKHL IX 12 16 39 57.8–.40 43.00N 148.90E 41–3 4.5b ¶626358323
JMA IX 12 16 39 58.1–.49 43N–1.0 149E–3.0 30 4.1
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
IDC IX 01 10 46 28.0–2.0 46.99N 157.05E 0 3.8s,3.6b
¶621080617
IDC Error ellipse: s-maj=42.5km s-min=30.8km az=174.0.
KRSC IX 22 19 08 15.8–1.0 48.42N 156.12E 7–13 3.6L
¶621106545
KRSC Event type se.
ISC IX 15 23 15 53.5–4.2 44.0N–.10 148.6E–.20 10–24 20 1-5
SKHL IX 15 23 15 56.3–.30 43.90N 148.70E 44–4 4.3b ¶626358470
JMA IX 15 23 15 56.9–.66 44N–2.0 148E–4.0 0 3.8
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC IX 20 02 42 03.2–.74 43.92N–.06 148.38E–.07 10 3.8b,3.3s 37 1-92
IDC IX 20 02 42 01.6–1.0 43.94N 148.60E 0 3.7b,3.7 ¶621115976
NIED IX 20 02 42 06.0 43.96N 148.21E 19 4.0W,3.7
SKHL IX 20 02 42 05.8–.40 43.90N 148.50E 35–4 4.5b,3.7
JMA IX 20 02 42 06.0–.84 44N–2.0 148E–4.0 19 3.5,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.43 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-5.06 $M_{r\theta}$-7.14 $M_{\theta\phi}$-3.69 $M_{\phi r}$-0.69 NP1:ϕ_s3.00000°,δ35.00000°,λ35.00000°. NP2:ϕ_s243.00000° ,δ71.00000°,λ120.00000°. $M_0$9.50000×10^{14}
JMA Event type ke. SE OFF ETOROFU .
KRSC IX 12 23 27 16.2–3.8 48.77N 156.89E 8–70 4.1L
¶621071751
KRSC Event type se.
ISC IX 18 11 17 26.5–1.1 50.62N–.06 159.30E–.05 66–9 4.3b 253 1-144
NEIC IX 18 11 17 19.6–.90 50.45N–.08 159.3E–.10 10–1 4.5b ¶621082899
KRSC IX 18 11 17 22.9–1.9 50.60N 159.50E 60–33 4.7L
MOS IX 18 11 17 23.9–.73 50.53N 159.27E 63 4.4b
IDC IX 18 11 17 28.8–2.0 50.70N 159.30E 84–16 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=12.8km az=245.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se. Felt at Severo-Kurilsk, Viluchinsk.
MOS Event type fe. Error ellipse: s-maj=10.2km s-min=3.2km az=91.7. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=15.5km s-min=12.9km az=161.0.
KRSC IX 22 19 35 58.3–2.8 48.42N 156.61E 19–59 3.8L
¶621106546
KRSC Event type se.
KRSC IX 23 17 35 29.5–2.5 49.56N 157.21E 41–45 3.7L
¶621109400
KRSC Event type se.
ISC X 03 21 55 16.7–3.5 43.5N–.10 148.4E–.20 40 11 2-4
JMA X 03 21 55 12.4–.62 44N–1.0 148E–3.0 0 3.9 ¶626627120
SKHL X 03 21 55 15.0–.30 43.40N 148.50E 61–7 4.2b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC X 03 01 34 11.6–1.9 43.86N–.05 148.31E–.05 9–11 4.5b,3.4s 383 1-150
MOS X 03 01 34 08.9–.98 43.85N 148.37E 32 4.6b,3.4s ¶621117075
IDC X 03 01 34 11.0–.65 43.96N 148.28E 0 4.1b,4.1
GFZ X 03 01 34 10.8–.55 43N–5.0 149E–5.0 32–3 5.1,4.9b
NIED X 03 01 34 12.8 43.98N 148.02E 0 4.0W,4.9b
JMA X 03 01 34 12.8–.77 44N–2.0 148E–4.0 0 4.1,4.9b
SKHL X 03 01 34 13.9–.50 43.90N 148.50E 45–5 4.9b,4.9b
NEIC X 03 01 34 15.4–1.4 43.89N–.06 148.31E–.08 27–5 4.5b,4.9b
BGR X 03 01 34 17.3 43.87N 148.13E 33 4.6b,4.9b
ISC Event type ke.
MOS Error ellipse: s-maj=8.1km s-min=5.6km az=118.9.
IDC Error ellipse: s-maj=18.1km s-min=10.9km az=141.0.
GFZ Error ellipse: s-maj=13.6km s-min=7.3km az=143.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.85 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.74 $M_{\theta\phi}$-0.42 $M_{\phi r}$-0.20 NP1:ϕ_s5.00000°,δ34.00000°,λ47.00000°. NP2:ϕ_s233.00000° ,δ65.00000°,λ115.00000°. $M_0$1.17000×10^{15}
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.1km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
SKHL X 18 04 43 53.3–.30 43.80N 148.10E 77–3 4.2b
JMA X 18 04 43 53.4–.36 44N–2.0 147E–2.0 152 3.3 ¶626636622
JMA Event type ke. NEAR ETOROFU ISLAND .
KRSC X 04 17 32 52.3–1.7 49.41N 158.70E 30–28 3.9L
¶621122776
KRSC Event type se.
SKHL X 06 13 04 08.9–.20 45.30N 152.60E 45–5 4.4b
JMA X 06 13 04 11.3–1.2 46N–7.0 152E–9.0 30 3.7 ¶626628949
JMA Event type ke. KURILE ISLANDS REGION .
SKHL X 13 09 10 33.0–.10 45.90N 153.00E 43–7 4.6b
JMA X 13 09 10 33.2–1.1 46N–7.0 153E–8.0 30 4.1 ¶626633752
JMA Event type ke. KURILE ISLANDS REGION .
KRSC X 27 16 29 23.0–1.8 48.81N 156.40E 7–36 3.7L
¶621242647
KRSC Event type se.
KRSC X 24 01 17 08.9–1.9 48.39N 156.74E 30–27 4.2L
¶621238537
KRSC Event type se.
KRSC X 26 15 57 13.0–3.4 49.50N 157.26E 39–50 3.7L
¶621241361
KRSC Event type se.
KRSC X 20 21 01 12.8–3.2 49.14N 157.32E 30–29 4.2L
¶621234809
KRSC Event type se.
KRSC XI 10 06 10 38.6–2.7 49.56N 157.39E 40–27 3.7L
¶621394909
KRSC Event type se.
ISC XI 07 21 21 35.6–2.0 51.0N–.10 158.20E–.08 43–19 3.4b 50 1-77
IDC XI 07 21 21 29.9–1.1 50.86N 157.85E 0 3.5,3.4b ¶621372604
KRSC XI 07 21 21 33.7–1.4 50.97N 158.37E 51–19 4.3L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=19.0km az=91.0.
KRSC Event type se.
KRSC X 27 22 31 10.8–2.2 49.19N 157.08E 42–37 3.6L
¶625380341
KRSC Event type se.
ISC X 30 08 47 19.1–.95 43.99N–.05 148.13E–.05 46–8 4.4b 207 1-142
MOS X 30 08 47 17.6–.94 43.88N 148.24E 55 4.7b ¶621244402
IDC X 30 08 47 18.6–2.5 44.06N 148.07E 41–22 4.1,3.9b
SKHL X 30 08 47 18.6–.40 43.90N 148.30E 63–2 5.1b,3.9b
JMA X 30 08 47 19.7–.49 44N–1.0 148E–3.0 0 4.4,3.9b
NIED X 30 08 47 19.7 43.88N 147.76E 0 4.0W,3.9b
GFZ X 30 08 47 20.9–.93 44N–9.0 148E–5.0 51–9 4.3b,4.3
NEIC X 30 08 47 20.7–1.2 44.0N–.10 148.1E–.10 51–8 4.5b,4.3
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.45 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.73 $M_{\theta\phi}$-0.28 $M_{\phi r}$0.61 NP1:ϕ_s178.00000°,δ19.00000°,λ43.00000°. NP2:ϕ_s47.00000° ,δ77.00000°,λ105.00000°. $M_0$1.09000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC XI 14 23 18 51.3–1.8 48.94N 157.01E 18–29 3.9L
¶621405029
KRSC Event type se.
ISC XI 20 19 12 09.7–.63 45.85N–.08 152.65E–.07 41 4.2b,3.5s 177 3-83
IDC XI 20 19 12 04.7–.78 46.05N 152.65E 0 4.2L,4.0 ¶621427820
MOS XI 20 19 12 06.9–1.3 45.89N 152.68E 32 4.6b,4.0
SKHL XI 20 19 12 06.8–.10 45.70N 152.90E 46–6 5.2b,4.0
NEIC XI 20 19 12 10.4–1.5 46.1N–.10 152.6E–.10 35–2 4.4b,4.0
JMA XI 20 19 12 10.5–.87 45N–5.0 152E–6.0 30 4.8,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC XI 18 17 01 06.5–2.0 45.0N–.20 150.3E–.20 100 20 2-8
SKHL XI 18 17 01 08.4–.10 45.30N 150.00E 123–5 5.7,5.0b ¶626705616
JMA XI 18 17 01 13.2–.60 45N–2.0 149E–4.0 156 3.7,5.0b

ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC XI 17 04 20 47.5–1.8 49.92N–.10 159.02E–.08 57–14 3.9b 125 2-71
KRSC XI 17 04 20 46.4–1.5 50.07N 159.13E 48–24 4.6L **¶621413525**
MOS XI 17 04 20 46.3–.71 49.90N 159.01E 64 4.2b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=13.2km s-min=3.2km az=90.5.
KRSC XI 18 06 06 54.6–1.9 48.40N 157.50E 15–61 3.9L
¶621416433
KRSC Event type se.
KRSC XI 23 07 23 47.7–2.2 48.94N 156.12E 8–34 3.9L
¶621453084
KRSC Event type se.
IDC XI 22 02 05 58.0–6.0 48.86N 157.51E 230–69 3.7,3.0b
¶621611887
IDC Error ellipse: s-maj=113.2km s-min=24.6km az=132.0.
KRSC XII 03 20 34 51.5–1.6 48.42N 156.62E 15–37 4.0L
¶621612429
KRSC Event type se.
KRSC XI 29 16 07 11.2–1.6 49.35N 158.88E 41–55 3.6L
¶621499181
KRSC Event type se.
ISC XI 24 10 00 21.5–2.2 50.0N–.10 158.77E–.09 57–16 4.0b 73 2-71
MOS XI 24 10 00 19.6–.91 49.94N 158.74E 56 4.3b **¶621460245**
KRSC XI 24 10 00 19.1–1.2 50.04N 158.88E 40–24 4.9L
ISC Event type se.
MOS Error ellipse: s-maj=16.0km s-min=4.8km az=94.3.
KRSC Event type se.
KRSC XII 15 19 49 09.3–3.1 49.73N 157.23E 48–41 3.7L
¶621631001
KRSC Event type se.
JMA XII 13 22 14 17.7–1.4 45N–6.0 151E–9.0 30 3.7
¶635664514
JMA Event type ke. KURILE ISLANDS REGION .
ISC XII 03 18 29 43.0–3.1 43.8N–.10 148.2E–.20 70 23 1-4
SKHL XII 03 18 29 45.4–.20 43.90N 148.10E 77–2 4.5b **¶626706459**
JMA XII 03 18 29 45.9–.51 44N–1.0 148E–3.0 65 3.7
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC XII 09 03 24 09.2–3.0 43.1N–.10 148.6E–.10 35 33 2-4
SKHL XII 09 03 24 08.9–.20 43.00N 148.60E 48–1 4.6b **¶626706592**
JMA XII 09 03 24 09.7–.19 43.1N–.60 148E–1.0 67 3.8
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC XII 16 01 56 57.6–1.6 48.26N 157.24E 41–27 4.0L
¶621631583
KRSC Event type se.
ISC XII 20 03 17 58.0–1.1 45.6N–.20 153.3E–.20 50 3.7b 9 8-78
IDC XII 20 03 17 50.6–1.1 45.46N 153.30E 0 3.8b,3.7 **¶621685580**
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=24.0km az=157.0.
ISC XII 19 10 43 40.1–1.4 44.60N–.10 150.5E–.10 35 4.0b 41 2-71
MOS XII 19 10 43 41.7–.78 44.69N 150.47E 67 4.2b **¶621633686**
JMA XII 19 10 43 45.7–.84 45N–3.0 150E–5.0 30 4.2
SKHL XII 19 10 43 45.9–.50 44.60N 150.10E 84–5 5.7,4.9b
ISC Event type ke.
MOS Error ellipse: s-maj=19.3km s-min=14.8km az=10.8.
JMA Event type ke. SE OFF ETOROFU .

(223) Eastern Sea of Japan.

JMA VII 24 06 11 01.6–.05 38.0N–.20 137.9E–.30 18–0 3.7
NIED VII 24 06 11 01.6 38.04N 137.93E 18 3.4W **¶620970675**
JMA Event type ke. SADOGASHIMA IS REG .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.31 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-0.93 $M_{r\theta}$0.42 $M_{\theta\phi}$-0.55 $M_{\phi r}$0.09 NP1:ϕ_s200.00000°,δ40.00000°,λ72.00000°. NP2:ϕ_s44.00000° ,δ53.00000°,λ105.00000°. $M_0$1.36000×10^{14}
IDC VII 27 19 18 47.3–20 41.77N 138.58E 0 3.4,3.3b
JMA VII 27 19 17 59.3–.09 39.3N–.20 144.5E–.50 30–1 3.2,3.3b **¶620978977**
JMA Event type ke. FAR E OFF NORTH HONSHU .
IDC IX 15 00 54 29.4–441 43.52N 139.82E 0
¶621111960
IDC Error ellipse: s-maj=140.5km s-min=110.6km az=101.0.
ISC X 07 07 17 47.0–.52 44.70N–.07 137.59E–.06 350 3.4b 40 2-88
IDC X 07 07 17 46.1–.94 45.01N 137.42E 316–10 3.8,3.2b **¶621217196**
JMA X 07 07 17 51.9–.56 45N–3.0 138E–4.0 316 3.2,3.2b
ISC Event type ke.
JMA Event type ke. EASTERN SEA OF JAPAN .
IDC XI 05 04 09 42.4–445 44.09N 139.97E 0
¶621413954
IDC Error ellipse: s-maj=143.1km s-min=110.5km az=91.0.
ISC X 13 11 34 07.9–.81 44.31N–.06 139.17E–.04 35 3.5s,3.5b 27 1-87
IDC X 13 11 34 03.3–.85 44.27N 139.12E 0 3.5b,3.5s **¶621238968**
NIED X 13 11 34 04.3 44.33N 139.16E 16 3.6W,3.5s
JMA X 13 11 34 04.3–.32 44.3N–.60 139E–2.0 16 3.9,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.03 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$-0.88 $M_{r\theta}$1.26 $M_{\theta\phi}$-1.07 $M_{\phi r}$0.48 NP1:ϕ_s218.00000°,δ30.00000°,λ71.00000°. NP2:ϕ_s60.00000° ,δ62.00000°,λ101.00000°. $M_0$2.46000×10^{14}
JMA Event type ke. NW OFF SHAKOTAN PEN .
ISC XI 16 21 14 57.3–.94 41.36N–.06 138.63E–.09 250 3.3b 21 1-64
IDC XI 16 21 13 51.5–1.1 34.65N 139.53E 0 3.8b,3.8 **¶621475694**
JMA XI 16 21 14 58.0–.44 41.4N–.80 139E–3.0 240–3 3.3,3.8
ISC Event type se.
JMA Event type ke. W OFF AOMORI PREF .
ISC XII 21 11 42 09.4–1.3 45.07N–.06 140.90E–.06 19–5 3.5b 18 0-69
IDC XII 21 11 42 06.5–1.2 45.13N 140.79E 0 3.4b,3.4 **¶621685683**
JMA XII 21 11 42 07.6–.17 45.0N–.40 140.8E–.80 7–2 3.9,3.4
NIED XII 21 11 42 07.6 45.03N 140.76E 7 3.6W,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=19.7km az=48.0.
JMA Event type ke. NW OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.66 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-2.66 $M_{r\theta}$-0.47 $M_{\theta\phi}$-0.16 $M_{\phi r}$0.61 NP1:ϕ_s193.00000°,δ40.00000°,λ106.00000°. NP2:ϕ_s353.00000° ,δ52.00000°,λ77.00000°. $M_0$2.77000×10^{14}
ISC XI 17 14 54 36.1–.98 45.98N–.07 140.72E–.05 10 3.4b 16 1-70
NIED XI 17 14 54 35.9 46.01N 140.69E 2 3.5W **¶621494214**
JMA XI 17 14 54 35.9–.32 46.0N–.80 141E–2.0 2–3 3.9
IDC XI 17 14 54 48.5–2.2 45.70N 142.85E 93–19 3.4,3.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.72 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-1.70 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.32 $M_{\phi r}$0.30 NP1:ϕ_s184.00000°,δ40.00000°,λ114.00000°. NP2:ϕ_s334.00000° ,δ54.00000°,λ71.00000°. $M_0$1.86000×10^{14}
JMA Event type ke. SOUTH SAKHALIN .
IDC Error ellipse: s-maj=31.5km s-min=21.6km az=80.0.
ISC XI 26 00 03 09.7–.78 43.71N–.07 138.39E–.09 274 3.5b 22 2-67
IDC XI 26 00 02 60.0–3.8 43.74N 138.32E 172–34 3.9,3.4b **¶621621967**
JMA XI 26 00 03 09.4–.37 44N–2.0 138E–3.0 274 3.2,3.4b
ISC Event type ke.
JMA Event type ke. EASTERN SEA OF JAPAN .
ISC XII 12 03 21 26.8–.28 44.46N–.03 140.98E–.03 256–2 4.7b 918 0-157
BJI XII 12 03 21 25.2 44.48N 140.92E 253 4.8b,4.7b **¶621627632**
MOS XII 12 03 21 25.9–.83 44.46N 140.97E 260 4.6b,4.7b
NIED XII 12 03 21 26.5 44.44N 141.01E 269 5.1W,4.7b
JMA XII 12 03 21 26.5–.24 44.4N–.80 141E–2.0 269–2 5.0W,4.8
IDC XII 12 03 21 26.9–.34 44.53N 140.98E 255–3 4.9,4.2b
SKHL XII 12 03 21 27.1–.30 44.50N 141.00E 265–5 6.2,5.5b
GFZ XII 12 03 21 27.1–.27 44N–3.0 141E–5.0 252–4 5.1b,5.0
NEIC XII 12 03 21 27.1–1.7 44.47N–.06 140.9E–.10 256–4 4.7b,5.0
BGR XII 12 03 21 29.7 45.45N 140.64E 239 5.1b,5.0
ISC Event type ke.
MOS Error ellipse: s-maj=5.7km s-min=4.1km az=111.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.80 $M_{\theta\theta}$0.32 $M_{\phi\phi}$2.48 $M_{r\theta}$2.47 $M_{\theta\phi}$-2.46 $M_{\phi r}$-0.01 NP1:ϕ_s176.00000°,δ43.00000°,λ-40.00000°. NP2:ϕ_s297.00000° ,δ64.00000°,λ-126.00000°. $M_0$4.38000×10^{16}
JMA Event type fe. NW OFF HOKKAIDO .
IDC Error ellipse: s-maj=7.0km s-min=6.9km az=120.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.0km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC XI 17 23 54 19.7–1.0 42.9N–.10 136.9E–.10 300 3.6b 12 4-90
IDC XI 17 23 54 20.2–1.4 42.87N 136.93E 314–15 3.9,3.4b **¶621494244**
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=23.7km az=35.0.
ISC XII 26 03 59 13.5–.47 43.57N–.06 138.72E–.05 274 3.6b 91 1-148
MOS XII 26 03 59 11.7–.90 43.68N 138.50E 263 4.2b **¶621700194**
NEIC XII 26 03 59 12.7–.91 43.68N–.09 138.49E–.10 253–8 4.0b
IDC XII 26 03 59 12.4–.93 43.73N 138.47E 254–9 3.8,3.2b
JMA XII 26 03 59 13.2–.50 44N–1.0 139E–3.0 269–3 3.4,3.2b
SKHL XII 26 03 59 14.9–.50 43.70N 139.10E 290–9 5.7,4.8b
ISC Event type ke.
MOS Error ellipse: s-maj=15.2km s-min=11.9km az=88.2.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.2km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.1km s-min=10.7km az=145.0.
JMA Event type ke. EASTERN SEA OF JAPAN .

(224) Hokkaido region.

ISC VII 02 01 48 08.8–.79 41.55N–.04 142.08E–.04 65–7 4.1b 82 1-147
JMA VII 02 01 48 08.8–.09 41.6N–.30 142.1E–.30 54–1 3.8 **¶620927705**
NIED VII 02 01 48 08.8 41.57N 142.09E 54 3.8W
NEIC VII 02 01 48 08.4–1.9 41.50N–.05 142.16E–.08 62–8 4.2b
IDC VII 02 01 48 10.4–1.7 41.61N 142.15E 80–13 3.9,3.6b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.61 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-3.47 $M_{r\theta}$1.84 $M_{\theta\phi}$-0.72 $M_{\phi r}$3.86 NP1:ϕ_s182.00000°,δ21.00000°,λ71.00000°. NP2:ϕ_s22.00000° ,δ70.00000°,λ97.00000°. $M_0$5.59000×10^{14}
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=4.7km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=11.8km az=114.0.
ISC VII 03 17 19 54.1–.61 41.89N–.04 142.51E–.03 62–5 4.4b 337 0-147
BJI VII 03 17 19 51.8 41.78N 142.57E 64 4.9b,4.6s **¶620733429**
NEIC VII 03 17 19 53.8–2.0 41.91N–.05 142.51E–.08 55–6 4.4b,4.6s
NIED VII 03 17 19 54.0 41.90N 142.50E 63 4.3W,4.6s
JMA VII 03 17 19 54.0–.16 41.9N–.40 142.5E–.70 63–1 4.2,4.1
MOS VII 03 17 19 53.4–.90 41.94N 142.53E 67 4.7b,4.1
GFZ VII 03 17 19 54.5–.48 42N–6.0 143E–10 64–4 4.6b,4.6
IDC VII 03 17 19 55.1–1.5 41.94N 142.49E 67–12 4.2,4.0b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.7km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.85 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$-2.15 $M_{r\theta}$0.66 $M_{\theta\phi}$-0.73 $M_{\phi r}$1.47 NP1:ϕ_s202.00000°,δ29.00000°,λ89.00000°. NP2:ϕ_s23.00000° ,δ61.00000°,λ91.00000°. $M_0$3.11000×10^{15}
JMA Event type fe. S OFF URAKAWA .
MOS Error ellipse: s-maj=6.8km s-min=5.2km az=103.4.
GFZ Error ellipse: s-maj=23.2km s-min=8.1km az=118.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.5km s-min=9.6km az=113.0.
ISC VII 04 04 00 26.9–2.4 42.7N–.10 145.00E–.06 48–12 18 0-1
JMA VII 04 04 00 27.1–.14 42.7N–.40 145.0E–.60 40–1 2.5 **¶626094307**
SKHL VII 04 04 00 28.1–.10 42.80N 145.00E 38–3 4.1b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VII 04 19 33 53.1–.89 41.12N–.04 140.33E–.07 153–6 3.6b 36 0-47
IDC VII 04 19 33 52.8–1.7 41.27N 140.11E 135–20 3.6,3.3b **¶620927899**
JMA VII 04 19 33 53.2–.12 41.1N–.40 140.3E–.80 151–1 3.0,3.3b
ISC Event type ke.
JMA Event type ke. TSUGARU PENINSULA REGION.
ISC VII 04 22 49 14.5–2.4 43.22N–.07 145.55E–.08 53–15 24 0-1
SKHL VII 04 22 49 14.8–.50 43.20N 145.60E 53–3 4.5b **¶626094313**
JMA VII 04 22 49 14.3–.14 43.2N–.40 145.6E–.60 55–1 3.3
ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .
ISC VII 05 01 57 37.4–.96 42.33N–.07 143.10E–.05 59–7 3.6b 24 0-65
IDC VII 05 01 57 12.4–38 40.05N 144.60E 0 3.7b,3.7 **¶620927922**
SKHL VII 05 01 57 38.3–.40 42.30N 143.10E 55–4 4.5b,3.7
JMA VII 05 01 57 38.6–.15 42.4N–.50 143.1E–.50 47–1 3.3,3.7
ISC Event type se.
JMA Event type ke. HIDAKA MOUNTAINS REGION .
ISC VII 05 04 54 16.6–1.2 45.58N–.03 141.59E–.05 15–10 19 0-2
JMA VII 05 04 54 14.8–.26 45.7N–.90 141.7E–.50 10–2 2.7 **¶626094335**
SKHL VII 05 04 54 15.9–.30 45.30N 141.50E 68–3 4.0b
ISC Event type ke.
JMA Event type ke. SOUTH SAKHALIN .
ISC VII 06 06 29 47.5–.30 44.74N–.03 141.89E–.03 249–2 4.5b 904 0-156
BJI VII 06 06 29 45.6 44.70N 141.94E 248 5.0b,5.0b **¶620734458**
MOS VII 06 06 29 46.5–.95 44.71N 141.90E 252 4.5b,5.0b
NEIC VII 06 06 29 47.0–1.8 44.72N–.06 141.9E–.10 242–5 4.5b,5.0b
GFZ VII 06 06 29 47.7–.18 45N–2.0 142E–2.0 244–1 4.7b,4.4
JMA VII 06 06 29 47.3–.19 44.8N–.80 142E–1.0 253–1 4.6,4.4
IDC VII 06 06 29 47.4–.38 44.76N 141.92E 245–3 4.9,4.1b
NIED VII 06 06 29 47.3 44.75N 141.94E 253 5.0W,4.1b
SKHL VII 06 06 29 48.0–.10 44.80N 142.00E 246–8 5.9,5.9
GCMT VII 06 06 29 49.4–.30 44.67N–.02 141.77E–.03 255–3 5.0W,5.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. SOYA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.30 $M_{\theta\theta}$-1.30 $M_{\phi\phi}$2.61 $M_{r\theta}$1.52 $M_{\theta\phi}$-1.89 $M_{\phi r}$0.50 NP1:ϕ_s196.00000°,δ63.00000°,λ-28.00000°. NP2:ϕ_s300.00000° ,δ65.00000°,λ-150.00000°. $M_0$3.35000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107060629A. Moment Tensor Solution. s34,c42; s97,c129; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.15 $M_{\theta\theta}$-1.56±.15; $M_{\phi\phi}$3.67±.14; $M_{r\theta}$2.80±.16; $M_{\theta\phi}$-1.29±.13; $M_{\phi r}$0.89±.15; Best double couple: NP1:ϕ_s313.00000°,δ57.00000° ,λ-145.00000°. NP2:ϕ_s202.00000°,δ62.00000°,λ-38.00000°. Principal axes: T 3.9830,Plg3.0000°,Azm258.0000°; N 0.9430,Plg44.0000°,Azm351.0000° ; P -4.9150,Plg46.0000°,Azm165.0000° $M_0$4.44900×10^{16}
ISC VII 07 01 51 18.8–.50 43.10N–.04 144.24E–.03 95–4 4.1b 190 0-93
MOS VII 07 01 51 18.0–.87 43.09N 144.22E 103 4.1b **¶620757420**
SKHL VII 07 01 51 18.9–.30 43.10N 144.20E 98–2 6.2,5.3b
IDC VII 07 01 51 18.9–1.1 43.14N 144.26E 98–7 3.9,3.8s
GFZ VII 07 01 51 19.9–.82 43N–7.0 144E–12 102–6 4.2b,4.2
JMA VII 07 01 51 19.1–.12 43.1N–.40 144.3E–.50 92–0 3.9,3.9
NEIC VII 07 01 51 20.1–1.5 43.16N–.05 144.2E–.10 103–7 4.2b,3.9
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type fe. KUSHIRO REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VII 08 02 31 14.9–2.2 43.0N–.10 145.33E–.07 51–11 19 0-1
JMA VII 08 02 31 15.3–.11 43.0N–.30 145.3E–.50 49–1 3.4 **¶626094455**
SKHL VII 08 02 31 16.2–.20 43.00N 145.30E 43–2 4.4b
ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .
ISC VII 09 07 47 14.3–.60 43.31N–.04 144.28E–.04 141–5 4.1b 96 0-85
NIED VII 09 07 47 14.5 43.29N 144.30E 141 3.8W **¶620928240**
NEIC VII 09 07 47 15.0–.92 43.34N–.07 144.2E–.20 145–8 4.1b
JMA VII 09 07 47 14.9–.14 43.3N–.60 144.3E–.70 139–1 3.9,3.8
SKHL VII 09 07 47 15.4–.50 43.40N 144.30E 132–2 5.8,5.0b
IDC VII 09 07 47 16.4–1.6 43.59N 144.24E 147–8 4.0,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.99 $M_{\theta\theta}$-1.38 $M_{\phi\phi}$2.37 $M_{r\theta}$-3.28 $M_{\theta\phi}$0.58 $M_{\phi r}$-4.07 NP1:ϕ_s148.00000°,δ19.00000°,λ-160.00000°. NP2:ϕ_s39.00000° ,δ84.00000°,λ-72.00000°. M_o5.63000×10^{14}
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.5km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. KUSHIRO REGION .
IDC Error ellipse: s-maj=29.6km s-min=16.6km az=172.0.
ISC VII 10 04 48 02.0–2.4 43.0N–.10 145.45E–.08 44–13 20 0-1
JMA VII 10 04 48 02.0–.12 42.9N–.30 145.5E–.50 43–1 2.5 **¶626094509**
SKHL VII 10 04 48 03.4–.10 43.00N 145.40E 33–2 3.9b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VII 11 03 08 10.0–.76 42.23N–.06 143.03E–.04 56–7 3.9b 40 0-86
SKHL VII 11 03 08 10.9–.10 42.20N 143.00E 51–5 4.9b **¶620928398**
IDC VII 11 03 08 10.2–2.1 42.29N 143.07E 62–15 3.7,3.5b
JMA VII 11 03 08 11.7–.10 42.3N–.30 143.0E–.30 42–0 3.6,3.5b
ISC Event type ke.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
ISC VII 14 04 05 42.4–3.0 43.1N–.10 145.6E–.10 48–17 17 0-1
JMA VII 14 04 05 42.7–.14 43.1N–.40 145.6E–.60 47–1 2.6 **¶626094618**
SKHL VII 14 04 05 44.3–.20 43.20N 145.50E 34–3 4.0b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VII 16 22 52 17.1–1.6 42.29N–.05 144.49E–.04 26–11 4.3b,3.6s 127 1-145
IDC VII 16 22 52 12.7–.63 42.31N 144.53E 0 3.9b,3.9 **¶620833030**
MOS VII 16 22 52 13.3–1.1 42.20N 144.54E 18 4.3b,3.9
NIED VII 16 22 52 16.9 42.32N 144.45E 7 4.0W,3.9
JMA VII 16 22 52 16.8–.16 42.3N–.20 144.4E–.40 7–2 4.3,4.1
SKHL VII 16 22 52 16.8–.20 42.20N 144.50E 55–4 5.2b,4.1
NEIC VII 16 22 52 19.2–1.2 42.37N–.06 144.30E–.03 35–2 4.4b,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-0.70 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.50 $M_{\phi r}$-0.47 NP1:ϕ_s52.00000°,δ39.00000°,λ129.00000°. NP2:ϕ_s186.00000° ,δ60.00000°,λ63.00000°. M_o1.02000×10^{15}
JMA Event type ke. SE OFF TOKACHI .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 17 00 02 13.1–1.9 42.11N–.08 144.57E–.06 24–12 3.4b 28 1-65
NIED VII 17 00 02 15.8 42.31N 144.43E 5 3.6W **¶620928738**
JMA VII 17 00 02 15.8–.15 42.3N–.20 144.4E–.40 5–1 3.9
SKHL VII 17 00 02 16.0–.20 42.20N 144.50E 37–3 4.7b
IDC VII 17 00 02 16.6–3.5 41.99N 144.28E 56–25 3.4L,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.96 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$-2.07 $M_{r\theta}$0.54 $M_{\theta\phi}$-1.37 $M_{\phi r}$-0.50 NP1:ϕ_s46.00000°,δ45.00000°,λ109.00000°. NP2:ϕ_s200.00000° ,δ48.00000°,λ72.00000°. M_o3.05000×10^{14}
JMA Event type ke. SE OFF TOKACHI .
IDC Error ellipse: s-maj=31.3km s-min=21.4km az=90.0.
ISC VII 18 06 59 16.1–.84 42.59N–.05 143.57E–.03 70–7 3.6b 56 0-44
MOS VII 18 06 59 15.8–1.1 42.61N 143.56E 61 4.0b **¶620928805**
JMA VII 18 06 59 16.4–.15 42.6N–.40 143.5E–.70 69–1 3.5
SKHL VII 18 06 59 17.0–.20 42.60N 143.60E 68–2 4.9b
IDC VII 18 06 59 17.4–2.5 42.72N 143.45E 80–19 3.5,3.3b
ISC Event type ke.
MOS Error ellipse: s-maj=20.7km s-min=10.7km az=63.4.
JMA Event type fe. TOKACHI REGION .
IDC Error ellipse: s-maj=27.5km s-min=19.1km az=109.0.
ISC VII 21 05 27 52.8–1.0 45.54N–.04 141.63E–.05 26–11 20 0-2
JMA VII 21 05 27 50.6–.27 45.8N–.90 141.7E–.60 11–3 2.6 **¶626087078**
SKHL VII 21 05 27 51.8–.50 45.30N 141.50E 68–2 3.8b
ISC Event type ke.
JMA Event type ke. SOUTH SAKHALIN .
ISC VII 13 16 36 23.3–3.8 44.2N–.10 145.7E–.10 173–21 25 0-3
JMA VII 13 16 36 23.5–.49 44N–1.0 146E–2.0 171–3 2.8 **¶626094585**
SKHL VII 13 16 36 23.5–.10 44.00N 145.60E 164–2 4.4,3.9b
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
ISC VII 21 10 57 20.7–.92 45.51N–.07 142.54E–.08 321–7 3.3b 39 0-67
IDC VII 21 10 57 20.6–.79 45.53N 142.04E 326–17 3.8,3.1b **¶620961651**
JMA VII 21 10 57 21.7–.30 46N–1.0 142E–2.0 317–2 2.9,3.1b
SKHL VII 21 10 57 22.5–.60 45.60N 142.60E 314–1 4.6s,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=19.7km az=162.0.
JMA Event type ke. NE OFF HOKKAIDO .
ISC VII 22 07 47 24.6–2.6 43.50N–.07 144.98E–.06 135–15 32 0-2
JMA VII 22 07 47 24.0–.18 43.5N–.70 145.0E–.90 140–1 2.9 **¶626087089**
SKHL VII 22 07 47 24.5–.10 43.50N 145.00E 135–5 5.0,4.3b
ISC Event type ke.
JMA Event type ke. NEMURO REGION .
ISC VII 22 07 50 06.2–.71 45.80N–.05 143.69E–.07 327–6 2.9b 48 1-84
JMA VII 22 07 50 05.9–.29 46N–2.0 144E–3.0 337 3.1 **¶620967813**
SKHL VII 22 07 50 07.4–.30 45.80N 143.80E 322–2 4.8s,4.6b
IDC VII 22 07 50 07.1–1.2 46.04N 143.57E 323–18 3.6,2.6b
ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .
IDC Error ellipse: s-maj=29.0km s-min=18.9km az=153.0.
ISC VII 22 21 26 27.5–.93 41.26N–.05 140.12E–.07 163–7 3.5b 29 0-47
IDC VII 22 21 26 13.7–1.6 41.99N 139.91E 0 3.8b,3.7 **¶620967852**
JMA VII 22 21 26 27.6–.15 41.3N–.40 140.1E–.80 162–1 2.5,3.7
ISC Event type ke.
JMA Event type ke. TSUGARU STRAIT REGION .
ISC VII 22 08 56 23.3–1.9 42.82N–.09 145.04E–.06 49–9 23 0-1
JMA VII 22 08 56 23.6–.11 42.8N–.30 145.0E–.40 47–1 2.9 **¶626087090**
SKHL VII 22 08 56 25.0–.10 42.90N 145.00E 41–2 4.0b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VII 23 19 28 00.5–.64 43.28N–.04 142.54E–.04 154–5 3.5b 63 0-78
SKHL VII 23 19 28 00.9–.10 43.20N 142.50E 149–6 4.8,4.2b **¶620967936**
IDC VII 23 19 28 00.2–.76 43.31N 142.51E 150–4 3.7,3.2b
JMA VII 23 19 28 00.6–.18 43.3N–.60 142.5E–.80 152–1 2.9,3.2b
ISC Event type ke.
JMA Event type ke. KAMIKAWA-SORACHI REGION .
ISC VII 23 11 52 09.7–2.0 43.13N–.09 145.55E–.06 45–12 19 0-3
JMA VII 23 11 52 09.3–.12 43.1N–.40 145.6E–.50 48–1 2.8 **¶626087097**
SKHL VII 23 11 52 10.3–.20 43.10N 145.60E 42–8 4.1b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VII 26 02 16 16.3–.26 41.46N–.03 142.10E–.03 64–1 5.3b 1449 1-155
MOS VII 26 02 16 14.8–.90 41.50N 142.12E 60 5.8b **¶620846035**
BJI VII 26 02 16 14.0 41.41N 142.13E 69 5.6b,5.5b
NEIC VII 26 02 16 15.8–1.5 41.48N–.03 142.06E–.04 56–4 5.3b,5.5b
NEIC VII 26 02 16 15.6 41.49N 142.05E 52 5.3b,5.5b
BGR VII 26 02 16 16.3 41.91N 142.41E 72–1 5.8,5.5b
JMA VII 26 02 16 16.2–.07 41.5N–.30 142.1E–.30 52–0 5.2,5.2W
NIED VII 26 02 16 16.2 41.48N 142.14E 52 5.2W,5.2W
NEIC VII 26 02 16 16.1 41.49N 142.85E 60 5.2,5.2W
IDC VII 26 02 16 17.5–.89 41.46N 142.07E 69–7 5.4,5.1b
GFZ VII 26 02 16 17.8–.32 42N–3.0 142E–4.0 72–3 5.6b,5.5
GFZ VII 26 02 16 18.1 41.51N 142.07E 76 5.2W,5.5
GCMT VII 26 02 16 18.3–.10 41.47N–.01 142.17E–.01 54–0 5.2W,5.5
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
BGR Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.74 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$-3.08 $M_{r\theta}$3.19 $M_{\theta\phi}$-1.22 $M_{\phi r}$5.94 NP1:ϕ_s198.00000°,δ14.00000°,λ81.00000°. NP2:ϕ_s27.00000° ,δ76.00000°,λ92.00000°. M_o7.67000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}6.77 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-6.47 $M_{r\theta}$2.13 $M_{\theta\phi}$-2.88 $M_{\phi r}$1.52 NP1:ϕ_s189.10000°,δ37.83000° ,λ70.54000°. NP2:ϕ_s33.20000°,δ54.67000°,λ104.51000°. Principal axes: T 7.3964,Plg75.0000°,Azm348.0000°; N 0.5408,Plg12.0000°,Azm205.0000° ; P -7.9373,Plg9.0000°,Azm113.0000° M_o7.68000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.58 $M_{\theta\theta}$3.12 $M_{\phi\phi}$-4.70 $M_{r\theta}$2.30 $M_{\theta\phi}$-0.53 $M_{\phi r}$6.93 NP1: ϕ_s142.23874°,δ19.43109°,λ30.01892°. NP2:ϕ_s23.65362°,δ80.41959°,λ106.98507°. Principal axes: T 6.8172,Plg51.6760°,Azm313.1110°; N 2.5814,Plg16.7411°,Azm200.7434° ; P -9.3986,Plg33.3085°,Azm99.3438° M_o8.41042×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107260216A. Moment Tensor Solution. s114,c202; s154,c275;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69±.01 $M_{\theta\theta}$-0.07±.01; $M_{\phi\phi}$-0.62±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$-0.19±.01; $M_{\phi r}$0.45±.01; Best double couple: NP1: ϕ_s190.00000°,δ27.00000°,λ78.00000°. NP2:ϕ_s24.00000°,δ64.00000°,λ96.00000°. Principal axes: T 0.8640,Plg71.0000°,Azm307.0000°; N -0.0200,Plg5.0000°,Azm201.0000° ; P -0.8440,Plg18.0000°,Azm109.0000° M_o0.85400×10^{17}
ISC VII 29 19 18 13.8–2.7 42.9N–.10 145.41E–.06 36–4 24 0-3
JMA VII 29 19 18 12.8–.12 42.8N–.40 145.5E–.50 34–1 3.4 **¶626089343**
SKHL VII 29 19 18 13.6–.10 42.90N 145.40E 35–3 4.5b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VIII 03 04 38 59.3–.32 42.86N–.03 141.00E–.03 147–2 4.6b 675 0-156
BJI VIII 03 04 38 57.5 42.87N 141.04E 153 5.3b,4.8b **¶620930456**
MOS VIII 03 04 38 57.5–1.1 42.92N 140.98E 138 4.9b,4.8b
IDC VIII 03 04 38 59.3–.45 42.87N 140.97E 147–3 4.8,4.4b
JMA VIII 03 04 38 59.8–.14 42.8N–.50 141.0E–.70 145–1 4.5,4.3
GFZ VIII 03 04 38 59.9–.29 43N–3.0 141E–5.0 151–4 4.9b,4.9
NEIC VIII 03 04 38 59.3–1.1 42.82N–.05 140.96E–.10 146–5 4.5b,4.9
SKHL VIII 03 04 39 00.5–.30 42.80N 141.10E 148–2 6.6,5.7b
ISC Event type ke.
MOS Error ellipse: s-maj=6.0km s-min=4.4km az=107.6.
IDC Error ellipse: s-maj=7.6km s-min=6.4km az=138.0.
JMA Event type fe. SHIRIBESHI REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.7km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 31 05 26 05.3–.24 43.39N–.03 141.72E–.03 173–1 5.0b 1434 0-156
BJI VII 31 05 26 02.1 43.42N 141.91E 167 5.0b,4.9b **¶620923888**
MOS VII 31 05 26 04.7–.77 43.38N 141.70E 178 5.3b,4.9b
GFZ VII 31 05 26 05.4–.10 43N–2.0 142E–3.0 168 5.4b,5.1b
NIED VII 31 05 26 05.8 43.30N 141.77E 176 5.0W,5.1b
NEIC VII 31 05 26 05.1–1.2 43.35N–.05 141.6E–.10 168–4 5.0b,5.1b
NEIC VII 31 05 26 05.1 43.35N 141.62E 168 5.0b,5.1b
GFZ VII 31 05 26 05.4 43.35N 141.74E 177 5.0W,5.1b
IDC VII 31 05 26 05.5–.39 43.41N 141.69E 172–3 5.1,4.6b
JMA VII 31 05 26 05.8–.17 43.3N–.60 141.8E–.90 176–1 5.1,5.0W
SKHL VII 31 05 26 06.6–.20 43.50N 141.80E 171–2 6.2,5.7
GCMT VII 31 05 26 07.5–.20 43.34N–.01 141.71E–.02 174–1 5.1W,5.7
NEIC VII 31 05 26 08.6 43.25N 141.76E 170 5.0,5.7
BGR VII 31 05 26 10.5 43.87N 141.79E 178–1 5.4b,5.7
ISC Event type ke.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=115.2.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.64 $M_{\theta\theta}$1.01 $M_{\phi\phi}$-1.65 $M_{r\theta}$2.36 $M_{\theta\phi}$-0.13 $M_{\phi r}$2.05 NP1:ϕ_s147.00000°,δ24.00000°,λ13.00000°. NP2:ϕ_s45.00000° ,δ85.00000°,λ113.00000°. M_o3.44000×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14 $M_{\theta\theta}$1.02 $M_{\phi\phi}$-0.89 $M_{r\theta}$2.64 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.85 NP1: ϕ_s144.47044°,δ18.40873°,λ-2.15765°. NP2:ϕ_s236.51778°,δ89.31877°,λ-108.39656°. Principal axes: T 3.3087,Plg41.4920°,Azm343.8506°; N 0.1705,Plg18.3952°,Azm236.7443° ; P -3.4793,Plg42.7913°,Azm128.8139° M_o3.39719×10^{16}
IDC Error ellipse: s-maj=6.8km s-min=5.9km az=98.0.
JMA Event type fe. ISHIKARI DEPRESSION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107310526A. Moment Tensor Solution. s51,c64; s122,c184; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27±.15 $M_{\theta\theta}$2.75±.16; $M_{\phi\phi}$-2.48±.15; $M_{r\theta}$3.97±.12; $M_{\theta\phi}$1.28±.15; $M_{\phi r}$3.35±.11; Best double couple: NP1:ϕ_s127.00000°,δ27.00000° ,λ-6.00000°. NP2:ϕ_s222.00000°,δ87.00000°,λ-117.00000°. Principal axes: T 6.5080,Plg36.0000°,Azm336.0000°; N -1.3190,Plg27.0000°,Azm224.0000° ; P -5.1890,Plg41.0000°,Azm107.0000° M_o5.84900×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.06 $M_{\theta\theta}$1.27 $M_{\phi\phi}$-1.22 $M_{r\theta}$2.55 $M_{\theta\phi}$-0.43 $M_{\phi r}$2.11 NP1:ϕ_s141.90000°,δ21.60000° ,λ-0.06000°. NP2:ϕ_s231.96000°,δ89.98000°,λ-111.60000°. Principal axes: T 3.4683,Plg41.0000°,Azm342.0000°; N 0.1808,Plg22.0000°,Azm232.0000° ; P -3.6491,Plg41.0000°,Azm122.0000° M_o3.56000×10^{16}
BGR Event type ke.
ISC VIII 01 00 16 38.0–1.1 44.3N–.10 145.97E–.09 166–8 3.6b 36 0-69
JMA VIII 01 00 16 39.7–.35 44N–2.0 146E–3.0 156 3.3 **¶620986161**
SKHL VIII 01 00 16 40.6–.40 44.10N 145.80E 146–3 5.3,4.6b
IDC VIII 01 00 16 41.0–5.4 45.67N 145.43E 110–57 3.7,3.4b
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
IDC Error ellipse: s-maj=66.9km s-min=52.7km az=17.0.
ISC VIII 04 19 51 09.1–2.1 45.52N–.05 142.52E–.10 317–14 41 0-5
JMA VIII 04 19 51 09.3–.21 46N–1.0 142E–2.0 320–1 3.4 **¶626187880**
SKHL VIII 04 19 51 10.1–.50 45.50N 142.40E 320–1 4.8s,4.3b
ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .
ISC VIII 07 01 18 42.6–7.4 42.2N–.20 144.71E–.08 37–9 13 1-2
SKHL VIII 07 01 18 42.1–.00 42.10N 144.80E 50–3 4.2b **¶626188038**
JMA VIII 07 01 18 42.6–.05 42.2N–.20 144.6E–.30 32–0 3.2
ISC Event type ke.
JMA Event type ke. SE OFF TOKACHI .
ISC VIII 08 19 38 21.2–.76 41.96N–.03 141.76E–.04 75–7 3.5b 46 1-70
NIED VIII 08 19 38 20.8 41.95N 141.73E 74 3.7W **¶621002141**
JMA VIII 08 19 38 20.8–.17 42.0N–.40 141.7E–.50 74–1 3.5
IDC VIII 08 19 38 22.1–1.5 42.02N 141.97E 91–14 3.6,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.77 $M_{\theta\theta}$-4.13 $M_{\phi\phi}$2.36 $M_{r\theta}$-1.33 $M_{\theta\phi}$-0.17 $M_{\phi r}$1.03 NP1:ϕ_s48.00000°,δ53.00000°,λ22.00000°. NP2:ϕ_s305.00000° ,δ72.00000°,λ141.00000°. M_o3.84000×10^{14}
JMA Event type fe. S OFF TOMAKOMAI .
IDC Error ellipse: s-maj=21.7km s-min=12.5km az=107.0.
ISC VIII 08 06 16 01.9–.85 41.46N–.04 142.05E–.04 63–8 4.0b 73 1-71
NIED VIII 08 06 16 01.8 41.49N 142.08E 54 3.7W **¶621002115**
NEIC VIII 08 06 16 01.9–.66 41.41N–.08 142.08E–.08 65–9 4.0b
JMA VIII 08 06 16 01.8–.09 41.5N–.30 142.1E–.40 54–0 3.5
IDC VIII 08 06 16 03.4–2.0 41.51N 142.11E 78–14 3.8,3.6b

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.01 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-2.39 $M_{r\theta}$1.31 $M_{\theta\phi}$0.04 $M_{\phi r}$2.80 NP1:ϕ_s172.00000°,δ22.00000°,λ67.00000°. NP2:ϕ_s17.00000°,δ70.00000°,λ99.00000°. M_o4.07000×10^{14}
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=2.0km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=25.1km s-min=13.3km az=117.0.

ISC	**VIII**	**20 18 58 12.8–.75**	**44.58N–.03**	**144.90E–.03**	**14–4**	**4.2b,3.7s**	**199**	**1-149**
IDC	VIII	20 18 58 09.7–.58	44.63N	145.11E	0	4.6L,3.9b		**¶620999162**
NIED	VIII	20 18 58 12.7	44.59N	144.88E	17	4.1W,3.9b		
JMA	VIII	20 18 58 12.7–.16	44.6N–.50	144.9E–.60	17–1	4.5,4.4		
NEIC	VIII	20 18 58 12.6–1.9	44.74N–.05	144.75E–.08	10–1	4.3b,4.4		
SKHL	VIII	20 18 58 13.8–.60	44.60N	144.90E	24–4	5.3b,4.4		
MOS	VIII	20 18 58 14.0–1.4	44.58N	144.97E	39	4.4b,4.4		

ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=11.1km az=144.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.85 $M_{\theta\theta}$-1.44 $M_{\phi\phi}$-0.41 $M_{r\theta}$0.33 $M_{\theta\phi}$0.66 $M_{\phi r}$-0.28 NP1:ϕ_s293.00000°,δ39.00000°,λ85.00000°. NP2:ϕ_s119.00000°,δ52.00000°,λ94.00000°. M_o1.86000×10^{15}
JMA Event type fe. NE OFF HOKKAIDO .
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.6km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.1km s-min=5.8km az=96.3.

ISC	**VIII**	**11 12 09 02.5–2.4**	**42.5N–.20**	**144.71E–.06**	**40–38**		**19**	**1-4**
SKHL	VIII	11 12 09 01.1–.10	42.30N	144.80E	42–4	4.6b		**¶621024191**
JMA	VIII	11 12 09 01.5–.09	42.4N–.20	144.7E–.40	40–1	3.6		
NIED	VIII	11 12 09 01.5	42.43N	144.71E	40	3.4W		

ISC Event type ke.
JMA Event type ke. SE OFF TOKACHI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.29 $M_{\theta\theta}$1.27 $M_{\phi\phi}$0.02 $M_{r\theta}$0.15 $M_{\theta\phi}$0.13 $M_{\phi r}$0.55 NP1:ϕ_s102.00000°,δ43.00000°,λ-62.00000°. NP2:ϕ_s245.00000°,δ53.00000°,λ-114.00000°. M_o1.40000×10^{14}

ISC	**VIII**	**19 23 30 12.9–.62**	**41.45N–.03**	**142.06E–.04**	**55–5**	**4.3b,3.0s**	**229**	**1-94**
MOS	VIII	19 23 30 12.0–.87	41.47N	142.07E	65	4.6b,3.0s		**¶620997435**
NEIC	VIII	19 23 30 13.8–1.1	41.48N–.07	142.02E–.09	57–8	4.3b,3.0s		
NIED	VIII	19 23 30 13.4	41.50N	142.05E	56	4.0W,3.0s		
JMA	VIII	19 23 30 13.4–.09	41.5N–.30	142.1E–.30	56–0	4.0,4.0		
GFZ	VIII	19 23 30 13.7–.46	41N–7.0	142E–7.0	59	4.5b,4.5		
IDC	VIII	19 23 30 14.5–1.6	41.51N	142.09E	73–12	4.2,3.9b		

ISC Event type ke.
MOS Error ellipse: s-maj=8.5km s-min=6.5km az=92.9.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=4.7km az=139.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.78 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.62 $M_{r\theta}$0.46 $M_{\theta\phi}$-0.09 $M_{\phi r}$1.03 NP1:ϕ_s186.00000°,δ16.00000°,λ75.00000°. NP2:ϕ_s22.00000°,δ74.00000°,λ94.00000°. M_o1.33000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
GFZ Error ellipse: s-maj=18.7km s-min=7.9km az=135.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=18.5km s-min=11.0km az=111.0.

ISC	**VIII**	**21 05 34 52.1–1.3**	**44.62N–.03**	**144.90E–.03**	**7–9**	**4.1b,3.3s**	**116**	**1-83**
NIED	VIII	21 05 34 52.0	44.62N	144.90E	16	4.1W,3.3s		**¶626301675**
SKHL	VIII	21 05 34 52.8–.20	44.50N	144.80E	27–2	5.2b,3.3s		
IDC	VIII	21 05 34 52.5–.66	44.97N	144.71E	0	3.9b,3.9		
JMA	VIII	21 05 34 52.0–.14	44.6N–.50	144.9E–.50	16–1	4.2,4.2		
MOS	VIII	21 05 34 55.1–1.3	44.46N	145.06E	61	4.3b,4.2		
NEIC	VIII	21 05 34 55.4–.99	44.72N–.07	144.8E–.10	23–7	4.4b,4.2		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.16 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$-0.03 $M_{r\theta}$0.97 $M_{\theta\phi}$-0.22 $M_{\phi r}$-0.05 NP1:ϕ_s251.00000°,δ26.00000°,λ74.00000°. NP2:ϕ_s88.00000°,δ65.00000°,λ98.00000°. M_o1.52000×10^{15}
JMA Event type fe. NE OFF HOKKAIDO .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**21 01 37 15.9–.94**	**41.48N–.04**	**141.97E–.05**	**64–9**	**3.8b**	**31**	**1-65**
IDC	VIII	21 01 37 06.0–2.5	41.17N	142.04E	0	3.7b,3.6		**¶621042962**
JMA	VIII	21 01 37 15.9–.09	41.5N–.30	142.0E–.30	58–0	3.2,3.6		

ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .

ISC	**VIII**	**21 16 01 24.2–.73**	**41.99N–.04**	**142.56E–.04**	**65–6**	**4.0b**	**67**	**0-70**
NEIC	VIII	21 16 01 24.4–.77	41.96N–.09	142.7E–.10	73–8	4.2b		**¶621043004**
JMA	VIII	21 16 01 24.4–.18	42.0N–.50	142.6E–.80	64–1	3.9,3.6		
IDC	VIII	21 16 01 25.2–2.5	42.14N	142.61E	69–15	3.8,3.5b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.0km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. S OFF URAKAWA .
IDC Error ellipse: s-maj=31.2km s-min=13.5km az=118.0.

ISC	**VIII**	**28 04 06 06.4–1.9**	**43.25N–.10**	**145.95E–.08**	**42**		**12**	**0-2**
JMA	VIII	28 04 06 04.8–.16	43.2N–.40	146.1E–.90	45–1	3.4		**¶626189663**
SKHL	VIII	28 04 06 06.2–.50	43.20N	145.90E	33–2	4.2b		

ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .

ISC	**VIII**	**24 17 34 08.4–.84**	**41.92N–.04**	**142.31E–.04**	**68–7**	**3.7b**	**49**	**0-71**
IDC	VIII	24 17 34 07.7–2.0	41.87N	142.54E	71–14	3.7,3.5b		**¶621049344**
JMA	VIII	24 17 34 08.1–.21	41.9N–.50	142.3E–.90	68–2	3.3,3.5b		

ISC Event type ke.
JMA Event type ke. S OFF URAKAWA .

ISC	**VIII**	**27 02 51 11.7–1.1**	**41.05N–.06**	**143.8E–.20**	**28**	**3.8b**	**16**	**1-86**
IDC	VIII	27 02 51 08.0–1.3	40.98N	143.79E	0	3.9,3.8b		**¶621072121**
JMA	VIII	27 02 51 14.0–.05	41.1N–.20	143.7E–.30	29–0	3.2,3.8b		

ISC Event type ke.
JMA Event type ke. SE OFF ERIMOMISAKI .

ISC	**VIII**	**28 04 21 00.3–.64**	**42.73N–.03**	**142.47E–.03**	**59–6**	**3.8b,3.1s**	**91**	**0-86**
MOS	VIII	28 04 20 59.6–1.3	42.69N	142.53E	68	4.0b,3.1s		**¶621024209**
NIED	VIII	28 04 21 00.2	42.76N	142.52E	56	4.0W,3.1s		
IDC	VIII	28 04 21 00.6–1.4	42.75N	142.59E	76–11	3.7,3.4b		
JMA	VIII	28 04 21 00.2–.16	42.8N–.50	142.5E–.60	56–1	3.7,3.4b		
SKHL	VIII	28 04 21 00.7–.50	42.70N	142.30E	60–5	5.0b,3.4b		

ISC Event type ke.
MOS Error ellipse: s-maj=10.8km s-min=7.3km az=74.8.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.06 $M_{\theta\theta}$6.29 $M_{\phi\phi}$-2.23 $M_{r\theta}$5.53 $M_{\theta\phi}$5.15 $M_{\phi r}$-2.36 NP1:ϕ_s28.00000°,δ44.00000°,λ-156.00000°. NP2:ϕ_s280.00000°,δ73.00000°,λ-48.00000°. M_o9.64000×10^{14}
IDC Error ellipse: s-maj=19.6km s-min=11.2km az=116.0.
JMA Event type fe. HIDAKA MOUNTAINS REGION .

ISC	**IX**	**05 05 48 58.3–.54**	**41.22N–.04**	**142.66E–.04**	**47–3**	**4.6b,4.0s**	**456**	**1-145**
MOS	IX	05 05 48 56.5–.91	41.16N	142.63E	44	4.9b,4.0s		**¶621035478**
BJI	IX	05 05 48 56.7	41.05N	142.61E	52	4.8b,4.7b		
NIED	IX	05 05 48 57.9	41.18N	142.72E	37	4.4W,4.7b		
JMA	IX	05 05 48 57.9–.09	41.2N–.30	142.7E–.30	37–1	4.4,4.4		
IDC	IX	05 05 48 58.3–1.6	41.20N	142.63E	46–13	4.4,4.2b		
NEIC	IX	05 05 48 59.3–.84	41.26N–.07	142.56E–.10	49–6	4.6b,4.2b		
GFZ	IX	05 05 49 00.3–.48	41N–5.0	143E–8.0	50–3	4.8b,4.8		
BGR	IX	05 05 49 01.8	41.89N	142.73E	33	4.7b,4.7s		

ISC Event type ke.
MOS Error ellipse: s-maj=6.7km s-min=4.6km az=106.3.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.28 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-2.47 $M_{r\theta}$0.16 $M_{\theta\phi}$-2.29 $M_{\phi r}$2.66 NP1:ϕ_s236.00000°,δ33.00000°,λ126.00000°. NP2:ϕ_s16.00000°,δ64.00000°,λ69.00000°. M_o4.59000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=13.7km s-min=9.7km az=120.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=5.6km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.

ISC	**IX**	**02 09 20 09.9–2.0**	**42.14N–.07**	**144.45E–.06**	**6–12**	**3.6b**	**19**	**1-65**
NIED	IX	02 09 20 11.3	42.22N	144.38E	5	3.7W		**¶621080670**
JMA	IX	02 09 20 11.3–.12	42.2N–.20	144.4E–.30	5–1	4.0,3.9		
SKHL	IX	02 09 20 12.6–.10	42.10N	144.30E	54–3	4.5b,3.9		
IDC	IX	02 09 20 23.3–4.6	41.47N	143.82E	88–46	3.6,3.3b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.14 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-3.74 $M_{r\theta}$-1.34 $M_{\theta\phi}$0.94 $M_{\phi r}$-0.51 NP1:ϕ_s325.00000°,δ48.00000°,λ55.00000°. NP2:ϕ_s191.00000°,δ52.00000°,λ123.00000°. M_o3.88000×10^{14}
JMA Event type ke. SE OFF TOKACHI .
IDC Error ellipse: s-maj=33.5km s-min=28.8km az=111.0.

ISC	**VIII**	**31 20 21 10.6–.76**	**42.47N–.04**	**141.79E–.04**	**124–6**	**3.9b**	**77**	**0-69**
MOS	VIII	31 20 21 09.6–1.1	42.44N	141.82E	128	4.2b		**¶621076638**
NEIC	VIII	31 20 21 10.4–1.2	42.55N–.05	141.6E–.10	107–8	3.9b		
JMA	VIII	31 20 21 10.2–.18	42.5N–.60	141.7E–.70	126–1	3.2		
IDC	VIII	31 20 21 11.1–2.0	42.55N	141.78E	116–13	3.9,3.7b		

ISC Event type ke.
MOS Error ellipse: s-maj=13.4km s-min=11.0km az=62.2.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=6.9km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. S OFF TOMAKOMAI .
IDC Error ellipse: s-maj=38.1km s-min=16.8km az=122.0.

ISC	**IX**	**01 23 46 07.0–.84**	**41.44N–.04**	**142.19E–.04**	**61–8**	**4.1b**	**98**	**1-79**
MOS	IX	01 23 46 05.7–.94	41.40N	142.29E	74	4.6b		**¶621022455**
NEIC	IX	01 23 46 06.7–1.3	41.44N–.09	142.16E–.09	58–8	4.2b		
JMA	IX	01 23 46 06.8–.08	41.5N–.30	142.2E–.40	51–0	3.7		
IDC	IX	01 23 46 07.6–1.9	41.46N	142.25E	70–15	3.9,3.7b		

ISC Event type ke.
MOS Error ellipse: s-maj=12.3km s-min=7.5km az=76.6.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=4.3km az=143.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=21.8km s-min=12.9km az=99.0.

ISC	**IX**	**02 00 28 58.3–1.0**	**42.74N–.09**	**144.61E–.05**	**49–8**	**3.6b**	**28**	**0-85**
IDC	IX	02 00 28 51.2–1.2	42.69N	145.02E	0	3.7b,3.7		**¶621080649**
NIED	IX	02 00 28 59.6	42.84N	144.57E	47	3.7W,3.7		
JMA	IX	02 00 28 59.6–.09	42.8N–.40	144.6E–.30	47–0	3.5,3.7		
SKHL	IX	02 00 29 00.7–.30	42.80N	144.60E	46–4	4.6b,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=19.6km az=143.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.81 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-2.93 $M_{r\theta}$-1.16 $M_{\theta\phi}$0.14 $M_{\phi r}$-0.73 NP1:ϕ_s345.00000°,δ41.00000°,λ70.00000°. NP2:ϕ_s191.00000°,δ52.00000°,λ106.00000°. M_o3.58000×10^{14}
JMA Event type fe. OFF NEMURO PENINSULA .

ISC	**IX**	**02 12 21 42.4–1.5**	**44.56N–.05**	**144.90E–.04**	**17–11**		**20**	**1-3**
JMA	IX	02 12 21 41.8–.12	44.6N–.40	144.9E–.50	15–1	3.1		**¶626357955**
SKHL	IX	02 12 21 43.9–.40	44.60N	144.90E	26–6	4.0b		

ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .

JMA	**IX**	**07 12 12 57.1–.06**	**42.4N–.20**	**144.6E–.40**	**16–2**	**3.4**		
SKHL	IX	07 12 12 56.1–.40	43.00N	143.50E	43–2	4.3b		**¶626358173**

JMA Event type ke. SE OFF TOKACHI .

ISC	**IX**	**06 14 50 03.4–.43**	**42.73N–.04**	**145.05E–.04**	**60–3**	**4.7b**	**427**	**0-141**
MOS	IX	06 14 50 02.0–.87	42.66N	145.04E	65	4.9b		**¶621039297**
NEIC	IX	06 14 50 02.4–1.6	42.70N–.05	145.1E–.10	50–6	4.7b		
SKHL	IX	06 14 50 03.9–.20	42.70N	145.10E	74–5	5.1b		
NIED	IX	06 14 50 03.3	42.70N	145.08E	58	4.4W		
JMA	IX	06 14 50 03.3–.08	42.7N–.20	145.1E–.30	58–0	4.6,4.4		
IDC	IX	06 14 50 04.0–.61	42.75N	145.02E	62–5	4.5,4.2b		

ISC Event type ke.
MOS Error ellipse: s-maj=7.3km s-min=5.0km az=101.5.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.8km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.44 $M_{\theta\theta}$0.57 $M_{\phi\phi}$-3.01 $M_{r\theta}$3.28 $M_{\theta\phi}$-1.49 $M_{\phi r}$0.50 NP1:ϕ_s171.00000°,δ39.00000°,λ33.00000°. NP2:ϕ_s55.00000°,δ70.00000°,λ125.00000°. M_o4.51000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
IDC Error ellipse: s-maj=10.2km s-min=8.0km az=26.0.

ISC	**IX**	**07 23 17 49.8–.94**	**42.23N–.04**	**141.22E–.05**	**120–7**	**3.7b**	**33**	**0-47**
IDC	IX	07 23 17 30.2–7.7	41.39N	141.87E	0	3.8b,3.7		**¶621094340**
JMA	IX	07 23 17 50.6–.12	42.3N–.30	141.3E–.50	109–1	2.6,3.7		

ISC Event type ke.
JMA Event type ke. S OFF TOMAKOMAI .

ISC	**IX**	**09 20 49 26.2–.60**	**42.81N–.04**	**143.39E–.03**	**100–4**	**4.1b**	**113**	**0-85**
MOS	IX	09 20 49 24.9–.90	43.02N	143.17E	87	4.2b		**¶621051042**
JMA	IX	09 20 49 26.6–.14	42.8N–.40	143.4E–.60	94–1	3.6,3.6		
NIED	IX	09 20 49 26.6	42.79N	143.38E	94	3.7W,3.6		
NEIC	IX	09 20 49 26.2–1.8	42.79N–.03	143.4E–.20	101–8	4.2b,3.6		
SKHL	IX	09 20 49 27.0–.10	42.80N	143.40E	96–3	5.6,4.8b		
IDC	IX	09 20 49 27.4–2.0	42.91N	143.41E	107–10	3.9,3.6b		

ISC Event type ke.
MOS Error ellipse: s-maj=13.7km s-min=8.1km az=77.4.
JMA Event type fe. TOKACHI REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.46 $M_{\theta\theta}$1.50 $M_{\phi\phi}$-2.96 $M_{r\theta}$1.78 $M_{\theta\phi}$-1.28 $M_{\phi r}$-0.35 NP1:ϕ_s158.00000°,δ60.00000°,λ31.00000°. NP2:ϕ_s52.00000°,δ63.00000°,λ146.00000°. M_o3.38000×10^{14}
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=2.6km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=18.1km az=151.0.

ISC	**IX**	**11 02 12 01.1–.89**	**41.08N–.07**	**143.2E–.10**	**30**	**4.0b,3.5s**	**40**	**1-87**
NIED	IX	11 02 12 01.6	41.12N	143.18E	22	3.8W,3.5s		**¶621108552**
JMA	IX	11 02 12 01.6–.05	41.1N–.20	143.2E–.30	22–0	3.6,3.5s		
NEIC	IX	11 02 12 02.4–1.8	41.15N–.06	143.10E–.06	38–9	4.2b,3.5s		
IDC	IX	11 02 12 18.5–3.2	40.49N	141.44E	144–28	3.8,3.4b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.95 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$-3.77 $M_{r\theta}$-0.04 $M_{\theta\phi}$-4.63 $M_{\phi r}$1.31 NP1:ϕ_s233.00000°,δ42.00000°,λ113.00000°. NP2:ϕ_s23.00000°,δ52.00000°,λ70.00000°. M_o6.32000×10^{14}
JMA Event type ke. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.6km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.3km s-min=15.7km az=64.0.

ISC	**IX**	**10 23 57 01.6–1.7**	**43.33N–.07**	**145.94E–.07**	**45–11**		**21**	**0-4**
SKHL	IX	10 23 57 01.9–.10	43.40N	145.80E	38–2	4.4b		**¶626358259**
JMA	IX	10 23 57 01.1–.15	43.3N–.40	145.9E–.80	50–1	3.1		

ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .

ISC	**IX**	**12 09 08 13.4–.90**	**42.82N–.03**	**141.97E–.04**	**19–2**	**3.6b**	**24**	**0-86**
NIED	IX	12 09 08 13.3	42.82N	141.97E	10	3.7W		**¶621109643**
JMA	IX	12 09 08 13.3–.13	42.8N–.40	142.0E–.50	10–2	3.5		
IDC	IX	12 09 08 16.1–2.0	42.71N	142.01E	48–17	3.7,3.4b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.27 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$-2.00 $M_{r\theta}$1.02 $M_{\theta\phi}$3.81 $M_{\phi r}$-1.16 NP1:ϕ_s316.00000°,δ35.00000°,λ88.00000°. NP2:ϕ_s139.00000°,δ55.00000°,λ91.00000°. M_o4.63000×10^{14}
JMA Event type fe. ISHIKARI DEPRESSION .
IDC Error ellipse: s-maj=28.5km s-min=12.6km az=125.0.

ISC	**IX**	**12 20 49 36.8–1.2**	**41.70N–.07**	**143.4E–.10**	**31**	**3.5b**	**14**	**0-65**
IDC	IX	12 20 49 32.1–2.1	41.74N	143.39E	0	3.6b,3.6		**¶621109675**
JMA	IX	12 20 49 37.9–.06	41.7N–.20	143.4E–.40	25–1	3.2,3.6		

ISC Event type ke.
JMA Event type ke. SE OFF ERIMOMISAKI .

ISC	**IX**	**13 01 32 09.8–.85**	**45.21N–.09**	**143.42E–.10**	**298–9**	**3.3b**	**35**	**1-76**

JMA	IX	13 01 32 08.7–.55	45N–2.0	143E–3.0	302–4	3.3		¶621109690
IDC	IX	13 01 32 10.2–1.9	45.46N	143.40E	289–21	3.7,3.1b		
ISC	Event type ke.							
JMA	Event type ke. NE OFF HOKKAIDO .							
IDC	Error ellipse: s-maj=40.4km s-min=34.4km az=27.0.							
JMA	**IX**	**25 13 39 33.3–.25**	**43.1N–.80**	**143.8E–.90**	**129–2**	**1.7**		**¶626507701**
JMA	Event type ke. KUSHIRO REGION .							
ISC	**IX**	**20 14 27 29.6–2.5**	**42.94N–.09**	**145.16E–.07**	**87–13**		**24**	**0-2**
JMA	IX	20 14 27 29.7–.16	42.9N–.50	145.1E–.60	86–1	2.7		¶626358711
SKHL	IX	20 14 27 30.2–.10	42.90N	145.20E	81–2	4.8,4.0b		
ISC	Event type ke.							
JMA	Event type ke. OFF NEMURO PENINSULA .							
ISC	**IX**	**22 06 01 58.1–2.1**	**42.7N–.10**	**144.94E–.05**	**53–11**		**23**	**0-1**
SKHL	IX	22 06 01 58.9–.30	42.80N	144.90E	52–2	4.1b		¶626358793
JMA	IX	22 06 01 58.1–.10	42.8N–.20	144.9E–.40	54–1	2.7		
ISC	Event type ke.							
JMA	Event type ke. OFF NEMURO PENINSULA .							
ISC	**IX**	**13 03 03 46.3–1.2**	**42.61N–.09**	**144.49E–.05**	**63–8**	**3.5b**	**25**	**0-65**
IDC	IX	13 03 03 37.0–20	42.25N	144.23E	0	3.6s,3.5b		¶621109693
JMA	IX	13 03 03 46.5–.09	42.6N–.20	144.5E–.30	62–0	3.2,3.5b		
ISC	Event type ke.							
JMA	Event type ke. SE OFF TOKACHI .							
ISC	**IX**	**17 02 56 57.3–.66**	**43.48N–.06**	**144.70E–.04**	**149–5**	**3.5b**	**52**	**0-84**
JMA	IX	17 02 56 58.0–.19	43.5N–.70	144.7E–.80	147–1	3.4		¶621112924
SKHL	IX	17 02 56 58.5–.30	43.50N	144.70E	142–2	5.8,5.0b		
IDC	IX	17 02 56 58.5–3.0	43.58N	144.64E	155–10	3.7,3.3b		
ISC	Event type ke.							
JMA	Event type fe. NEMURO REGION .							
IDC	Error ellipse: s-maj=60.9km s-min=17.4km az=174.0.							
ISC	**IX**	**22 15 50 17.1–.90**	**42.07N–.04**	**142.42E–.04**	**64–7**	**3.8b**	**40**	**0-65**
IDC	IX	22 15 50 10.9–2.9	42.36N	142.17E	0	3.8b,3.7		¶621118159
JMA	IX	22 15 50 16.2–.18	42.1N–.60	142.5E–.80	69–1	3.4,3.7		
ISC	Event type ke.							
JMA	Event type ke. S OFF URAKAWA .							
ISC	**X**	**05 23 49 00.5–.89**	**44.02N–.08**	**142.68E–.09**	**202–6**	**3.2b**	**25**	**0-68**
IDC	X	05 23 49 00.3–.68	43.99N	142.50E	197–4	3.4,2.9b		¶621203199
JMA	X	05 23 49 00.1–.19	44.1N–.80	143E–1.0	202–1	2.9,2.9b		
ISC	Event type ke.							
JMA	Event type ke. KAMIKAWA-SORACHI REGION .							
ISC	**IX**	**26 16 36 13.7–.76**	**42.02N–.05**	**142.59E–.03**	**63–6**	**3.6b**	**55**	**0-70**
NIED	IX	26 16 36 13.6	42.04N	142.62E	63	3.7W		¶621131521
JMA	IX	26 16 36 13.6–.18	42.0N–.50	142.6E–.70	63–1	3.6		
IDC	IX	26 16 36 14.7–1.8	42.08N	142.63E	75–14	3.7,3.4b		
SKHL	IX	26 16 36 14.2–.20	42.00N	142.60E	64–3	4.6b,3.4b		
ISC	Event type ke.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.79 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$-2.65 $M_{r\theta}$1.15 $M_{\theta\phi}$-0.82 $M_{\phi r}$2.61 NP1:ϕ_s204.00000°,δ25.00000°,λ90.00000°. NP2:ϕ_s24.00000° ,δ65.00000°,λ90.00000°. M_o4.43000×10^{14}							
JMA	Event type fe. S OFF URAKAWA .							
IDC	Error ellipse: s-maj=23.4km s-min=12.8km az=103.0.							
ISC	**IX**	**28 16 18 40.1–2.9**	**43.54N–.07**	**145.11E–.07**	**150–17**		**31**	**0-2**
JMA	IX	28 16 18 40.7–.17	43.6N–.70	145.1E–.90	147–1	2.9		¶626359102
SKHL	IX	28 16 18 41.4–.20	43.50N	145.10E	140–1	4.9,4.3b		
ISC	Event type ke.							
JMA	Event type ke. NEMURO REGION .							
ISC	**X**	**01 07 14 30.5–.82**	**42.38N–.05**	**144.52E–.04**	**76–7**	**3.8b**	**83**	**1-79**
MOS	X	01 07 14 29.0–.92	42.32N	144.54E	84	4.0b		¶621147818
NEIC	X	01 07 14 30.7–1.7	42.36N–.06	144.5E–.10	71–10	4.1b		
JMA	X	01 07 14 30.7–.13	42.4N–.30	144.5E–.50	73–1	3.8,3.7		
IDC	X	01 07 14 31.5–2.3	42.39N	144.33E	87–17	4.2s,3.7		
SKHL	X	01 07 14 31.3–.00	42.40N	144.60E	49–4	4.7b,3.7		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=16.7km s-min=9.7km az=71.9.							
NEIC	Event type se. Error ellipse: s-maj=13.5km s-min=8.5km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
JMA	Event type ke. SE OFF TOKACHI .							
IDC	Error ellipse: s-maj=26.6km s-min=14.4km az=84.0.							
ISC	**X**	**07 14 24 43.3–.88**	**41.22N–.04**	**142.27E–.05**	**59–8**	**4.0b**	**68**	**1-71**
IDC	X	07 14 24 43.1–1.8	41.23N	142.15E	56–15	3.9,3.5b		¶621217218
NEIC	X	07 14 24 43.5–.95	41.19N–.08	142.34E–.09	62–6	4.5b,3.5b		
JMA	X	07 14 24 43.7–.08	41.3N–.30	142.2E–.30	56–0	3.9,3.5b		
ISC	Event type ke.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
JMA	Event type fe. E OFF AOMORI PREF .							
ISC	**X**	**06 05 44 13.0–1.9**	**43.12N–.09**	**145.94E–.08**	**44–11**		**20**	**0-3**
SKHL	X	06 05 44 12.6–.00	43.10N	146.00E	35–3	4.2b		¶626628744
JMA	X	06 05 44 12.3–.13	43.1N–.30	146.0E–.70	44–1	3.5		
ISC	Event type ke.							
JMA	Event type ke. OFF NEMURO PENINSULA .							
ISC	**X**	**10 14 16 14.7–.25**	**42.41N–.03**	**143.08E–.03**	**52–1**	**4.9b,3.9s**	**897**	**0-152**
BJI	X	10 14 16 10.7	42.16N	143.46E	50	5.1b,5.0b		¶621144262
IDC	X	10 14 16 14.9–.53	42.41N	143.11E	51–4	4.8,4.6b		
MOS	X	10 14 16 14.0–.90	42.29N	143.08E	65	5.2b,4.6b		
SKHL	X	10 14 16 14.9–.40	42.20N	143.10E	66–3	5.6b,4.6b		
JMA	X	10 14 16 15.9–.16	42.4N–.50	143.1E–.60	51–1	4.8W,4.7		
NEIC	X	10 14 16 15.9–1.0	42.35N–.06	143.1E–.10	62–5	4.9b,4.7		
NIED	X	10 14 16 15.9	42.36N	143.11E	51	4.8W,4.7		
GFZ	X	10 14 16 15.6–.41	42N–4.0	143E–7.0	58–3	5.3b,5.1b		
GCMT	X	10 14 16 16.6–.40	42.15N–.02	143.18E–.04	59–1	4.8W,5.1b		
ISC	Event type ke.							
JMA	Event type fe. HIDAKA MOUNTAINS REGION .							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.39 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.53 $M_{\phi r}$0.88 NP1:ϕ_s212.00000°,δ25.00000°,λ87.00000°. NP2:ϕ_s35.00000° ,δ65.00000°,λ91.00000°. M_o1.72000×10^{16}							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110101416A. Moment Tensor Solution. s33,c44; s74,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.72±.11 $M_{\theta\theta}$-0.77±.08; $M_{\phi\phi}$-0.95±.08; $M_{r\theta}$0.26±.05; $M_{\theta\phi}$-0.95±.05; $M_{\phi r}$0.76±.05; Best double couple: NP1:ϕ_s232.00000°,δ35.00000° ,λ106.00000°. NP2:ϕ_s33.00000°,δ57.00000°,λ79.00000°. Principal axes: T 1.9190,Plg75.0000°,Azm271.0000°; N 0.0480,Plg9.0000°,Azm39.0000° ; P -1.9650,Plg11.0000°,Azm130.0000° M_o1.94200×10^{16}							
ISC	**X**	**08 20 34 03.2–.99**	**42.05N–.05**	**142.46E–.04**	**65–8**	**3.9b**	**32**	**0-65**
JMA	X	08 20 34 02.9–.19	42.1N–.60	142.5E–.80	70–1	3.4		¶621224677
IDC	X	08 20 34 19.2–9.5	43.56N	141.64E	120–69	3.9,3.6b		
ISC	Event type ke.							
JMA	Event type ke. S OFF URAKAWA .							
IDC	Error ellipse: s-maj=100.1km s-min=26.6km az=69.0.							
ISC	**X**	**09 02 47 33.8–.37**	**42.34N–.03**	**142.02E–.03**	**95–3**	**4.6b**	**538**	**0-152**
BJI	X	09 02 47 30.4	42.23N	142.20E	99	5.0b,4.9b		¶621143684
MOS	X	09 02 47 32.7–.97	42.33N	142.06E	102	4.7b,4.9b		
JMA	X	09 02 47 33.3–.17	42.4N–.60	141.9E–.60	97–1	4.6,4.5		
NIED	X	09 02 47 33.3	42.38N	141.94E	97	4.5W,4.5		
IDC	X	09 02 47 33.9–.54	42.37N	142.02E	93–4	4.5,4.1b		
SKHL	X	09 02 47 34.0–.20	42.40N	142.20E	115–5	6.4,5.6b		
GFZ	X	09 02 47 34.2–.30	42N–4.0	142E–5.0	95–3	5.3b,4.8b		
NEIC	X	09 02 47 34.4–1.4	42.37N–.04	141.97E–.08	94–5	4.6b,4.8b		
ISC	Event type ke.							
JMA	Event type fe. S OFF TOMAKOMAI .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.41 $M_{\theta\theta}$6.40 $M_{\phi\phi}$-1.99 $M_{r\theta}$2.87 $M_{\theta\phi}$-3.05 $M_{\phi r}$-1.15 NP1:ϕ_s102.00000°,δ31.00000°,λ-99.00000°. NP2:ϕ_s292.00000° ,δ59.00000°,λ-84.00000°. M_o6.67000×10^{15}							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**12 22 08 10.8–.93**	**41.04N–.05**	**141.81E–.09**	**57**	**3.8b**	**24**	**0-71**
JMA	X	12 22 08 09.5–.11	41.0N–.30	142.0E–.40	58–0	3.4		¶621236973
IDC	X	12 22 08 12.4–2.2	41.16N	141.53E	64–18	3.7,3.5b		
ISC	Event type ke.							
JMA	Event type fe. E OFF AOMORI PREF .							
IDC	Error ellipse: s-maj=35.0km s-min=15.1km az=112.0.							
ISC	**X**	**17 07 22 16.4–.72**	**44.97N–.05**	**144.23E–.07**	**271–6**	**3.2b**	**47**	**1-84**
JMA	X	17 07 22 15.9–.53	45N–2.0	144E–2.0	278–4	3.2		¶621242875
IDC	X	17 07 22 16.6–4.3	45.17N	144.12E	264–44	3.6,3.0b		
SKHL	X	17 07 22 17.0–.20	45.10N	144.50E	234–4	4.8,4.3b		
ISC	Event type ke.							
JMA	Event type ke. NE OFF HOKKAIDO .							
IDC	Error ellipse: s-maj=45.5km s-min=19.8km az=167.0.							
ISC	**X**	**19 12 36 38.3–.24**	**41.50N–.03**	**142.88E–.03**	**44–1**	**5.4b,4.7s**	**1286**	**1-157**
BJI	X	19 12 36 35.7	41.45N	142.95E	47	5.3b,5.2b		¶621217256
MOS	X	19 12 36 36.9–1.0	41.47N	142.83E	44	5.6b,4.9s		
NEIC	X	19 12 36 37.6	41.50N	142.84E	36	5.6b,4.9s		
NEIC	X	19 12 36 37.8–.99	41.51N–.05	142.83E–.09	38–4	5.4b,5.2		
JMA	X	19 12 36 39.5–.10	41.5N–.40	142.9E–.50	38–1	5.4,5.3W		
NIED	X	19 12 36 39.5	41.54N	142.91E	38	5.3W,5.3W		
GFZ	X	19 12 36 39.4–.44	42N–4.0	143E–6.0	53–3	5.7b,5.4b		
NEIC	X	19 12 36 39.2	41.56N	142.85E	41	5.7b,5.4b		
NEIC	X	19 12 36 39.7	41.46N	143.38E	36	5.3,5.4b		
GCMT	X	19 12 36 40.7–.10	41.53N–.01	142.90E–.01	35–0	5.3W,5.4b		
GFZ	X	19 12 36 40.2	41.55N	142.86E	39	5.3W,5.4b		
IDC	X	19 12 36 41.7–1.2	41.50N	142.76E	66–9	5.1,4.9b		
BGR	X	19 12 36 42.3	42.10N	142.87E	33	5.2b,4.9s		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=5.4km s-min=3.6km az=110.2.							
NEIC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=10.7km s-min=5.0km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.59 $M_{\theta\theta}$3.58 $M_{\phi\phi}$3.02 $M_{r\theta}$-2.79 $M_{\theta\phi}$-4.11 $M_{\phi r}$-0.68 NP1:ϕ_s114.52000°,δ54.46000°,λ-113.70000°. NP2:ϕ_s331.57000° ,δ41.84000°,λ-60.64000°. Principal axes: T 7.6038,Plg7.0000°,Azm221.0000° ; N 0.0059,Plg19.0000°,Azm129.0000°; P -7.6097,Plg70.0000°,Azm330.0000° M_o7.61000×10^{16}							
JMA	Event type fe. E OFF AOMORI PREF .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83 $M_{\theta\theta}$0.77 $M_{\phi\phi}$0.07 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.51 $M_{\phi r}$0.28 NP1:ϕ_s142.00000°,δ44.00000°,λ-52.00000°. NP2:ϕ_s274.00000° ,δ57.00000°,λ-121.00000°. M_o1.06000×10^{17}							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se.							
NEIC	Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87 $M_{\theta\theta}$0.75 $M_{\phi\phi}$0.12 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.45 $M_{\phi r}$0.32 NP1:ϕ_s139.62000°,δ45.85000° ,λ-55.43000°. NP2:ϕ_s274.93000°,δ53.79000°,λ-120.31000°. Principal axes: T 0.9925,Plg4.0000°,Azm26.0000°; N 0.0742,Plg24.0000°,Azm294.0000° ; P -1.0667,Plg66.0000°,Azm125.0000° M_o1.03000×10^{17}							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110191236A. Moment Tensor Solution. s109,c177; s140,c252;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67±.02 $M_{\theta\theta}$0.89±.01; $M_{\phi\phi}$-0.21±.01; $M_{r\theta}$0.23±.02; $M_{\theta\phi}$-0.53±.01; $M_{\phi r}$0.41±.02; Best double couple: NP1: ϕ_s144.00000°,δ54.00000°,λ-41.00000°. NP2:ϕ_s261.00000°,δ58.00000°,λ-136.00000°. Principal axes: T 1.1030,Plg2.0000°,Azm21.0000°; N -0.0690,Plg38.0000°,Azm290.0000° ; P -1.0330,Plg52.0000°,Azm114.0000° M_o1.06800×10^{17}							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.66 $M_{\theta\theta}$7.82 $M_{\phi\phi}$0.85 $M_{r\theta}$2.04 $M_{\theta\phi}$-3.86 $M_{\phi r}$2.51 NP1: ϕ_s132.20674°,δ45.45486°,λ-62.50691°. NP2:ϕ_s275.63542°,δ50.78660°,λ-115.12799°. Principal axes: T 9.5788,Plg2.8072°,Azm23.1307°; N 0.2161,Plg19.2088°,Azm292.1519° ; P -9.7949,Plg70.5711°,Azm121.1215° M_o9.68862×10^{16}							
IDC	Error ellipse: s-maj=10.0km s-min=7.9km az=94.0.							
BGR	Event type ke.							
ISC	**X**	**18 05 36 57.6–2.7**	**43.32N–.07**	**145.01E–.05**	**86–17**		**22**	**0-1**
SKHL	X	18 05 36 57.8–.20	43.30N	145.10E	87–1	5.0,4.0b		¶626636644
JMA	X	18 05 36 57.5–.16	43.3N–.50	145.0E–.60	87–1	2.7,4.0b		
ISC	Event type ke.							
JMA	Event type ke. NEMURO REGION .							
ISC	**X**	**19 12 44 46.5–1.4**	**41.46N–.06**	**142.93E–.07**	**32–9**	**4.3b**	**75**	**1-87**
JMA	X	19 12 44 47.7–.07	41.5N–.30	142.9E–.40	34–0	4.1,3.9		¶626637542
NEIC	X	19 12 44 47.9–1.0	41.45N–.07	142.9E–.10	41–8	4.3b,3.9		
IDC	X	19 12 44 49.2–2.1	41.43N	142.88E	66–18	4.0,3.7b		
ISC	Event type ke.							
JMA	Event type ke. E OFF AOMORI PREF .							
NEIC	Event type se. Error ellipse: s-maj=16.1km s-min=4.9km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=19.1km s-min=12.9km az=111.0.							
JMA	**X**	**30 09 14 08.1–.06**	**43.5N–.30**	**144.2E–.20**	**8–1**	**0.8**		**¶626645475**
JMA	Event type ke. TESHIKAGA REGION .							
ISC	**X**	**19 15 18 17.8–.80**	**41.49N–.05**	**142.98E–.04**	**46–7**	**4.4b,3.3s**	**192**	**1-131**
MOS	X	19 15 18 12.4–1.6	41.46N	142.89E	11	4.7b,3.3s		¶626637745
NEIC	X	19 15 18 17.6–1.9	41.61N–.06	142.80E–.10	35–1	4.5b,3.3s		
JMA	X	19 15 18 18.7–.07	41.6N–.30	142.9E–.40	34–0	4.2,4.1		
NIED	X	19 15 18 18.7	41.56N	142.90E	34	4.2W,4.1		
IDC	X	19 15 18 21.0–1.7	41.51N	142.75E	72–13	4.2,3.9b		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=9.1km s-min=5.9km az=84.1.							
NEIC	Event type se. Error ellipse: s-maj=15.6km s-min=4.6km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
JMA	Event type fe. E OFF AOMORI PREF .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.95 $M_{\theta\theta}$0.96 $M_{\phi\phi}$0.99 $M_{r\theta}$-0.15 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.93 NP1:ϕ_s120.00000°,δ39.00000°,λ-117.00000°. NP2:ϕ_s334.00000° ,δ56.00000°,λ-70.00000°. M_o2.10000×10^{15}							
IDC	Error ellipse: s-maj=14.5km s-min=11.0km az=114.0.							
ISC	**X**	**20 02 56 12.4–.92**	**41.48N–.07**	**142.99E–.10**	**39–8**	**3.8b**	**23**	**1-86**
JMA	X	20 02 56 13.4–.06	41.6N–.20	142.9E–.30	32–0	3.5		¶621246586
IDC	X	20 02 56 15.3–2.7	41.50N	142.65E	70–27	3.7,3.5b		
ISC	Event type ke.							
JMA	Event type fe. E OFF AOMORI PREF .							
IDC	Error ellipse: s-maj=51.0km s-min=16.6km az=105.0.							
ISC	**X**	**19 22 10 48.2–.94**	**41.47N–.05**	**143.05E–.05**	**48–8**	**4.3b,3.6s**	**149**	**1-148**
MOS	X	19 22 10 46.8–.89	41.47N	142.97E	52	4.5b,3.6s		¶626637968
NEIC	X	19 22 10 47.9–2.3	41.51N–.04	143.1E–.10	36–6	4.5b,3.6s		
JMA	X	19 22 10 48.3–.08	41.6N–.30	142.9E–.40	34–0	4.2,4.2		
NIED	X	19 22 10 48.3	41.55N	142.91E	34	4.2W,4.2		
IDC	X	19 22 10 50.8–1.7	41.55N	142.84E	73–14	4.1,3.8b		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=9.4km s-min=6.6km az=74.8.							
NEIC	Event type se. Error ellipse: s-maj=13.5km s-min=1.6km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
JMA	Event type fe. E OFF AOMORI PREF .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.03 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-0.58 $M_{r\theta}$-0.52 $M_{\theta\phi}$-0.92 $M_{\phi r}$1.97 NP1:ϕ_s255.00000°,δ28.00000°,λ-179.00000°. NP2:ϕ_s164.00000° ,δ90.00000°,λ-62.00000°. M_o2.31000×10^{15}							
IDC	Error ellipse: s-maj=14.9km s-min=10.6km az=125.0.							
ISC	**X**	**26 11 03 08.9–.76**	**43.09N–.04**	**145.90E–.04**	**37–1**	**3.8b**	**64**	**0-84**
MOS	X	26 11 03 08.3–1.3	43.09N	145.82E	51	4.3b		¶621240763
NIED	X	26 11 03 09.6	43.11N	145.83E	44	3.9W		
JMA	X	26 11 03 09.6–.13	43.1N–.30	145.8E–.60	44–1	4.0,3.8		
SKHL	X	26 11 03 10.3–.70	43.10N	145.80E	60–5	5.3b,3.8		
IDC	X	26 11 03 11.2–2.8	43.11N	145.85E	60–24	3.7,3.5L		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=10.6km s-min=7.6km az=96.4.							

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.68 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$-3.50 $M_{r\theta}$1.88 $M_{\theta\phi}$-2.70 $M_{\phi r}$4.40 NP1:ϕ_s222.00000°,δ24.00000°,λ105.00000°. NP2:ϕ_s26.00000° ,δ67.00000°,λ83.00000°. M_o6.91000×10^{14}
JMA Event type fe. OFF NEMURO PENINSULA .
IDC Error ellipse: s-maj=20.8km s-min=18.1km az=61.0.

ISC	**X**	**19 13 24 38.0–2.2**	**41.45N–.07**	**142.99E–.09**	**28–14**	**3.7b**	**28**	**1-86**
IDC	X	19 13 24 33.4–.96	41.30N	143.08E	0	3.6b,3.6		¶621244082
JMA	X	19 13 24 40.1–.09	41.5N–.30	142.9E–.40	35–1	3.6,3.6		

ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .

ISC	**X**	**19 13 47 46.4–1.7**	**41.47N–.06**	**142.94E–.08**	**32–12**	**3.5b**	**21**	**1-65**
IDC	X	19 13 47 41.4–1.1	41.34N	143.13E	0	3.5,3.4b		¶621244083
JMA	X	19 13 47 48.1–.09	41.6N–.30	142.9E–.40	36–1	3.4,3.4b		

ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .

ISC	**X**	**23 19 55 09.5–.77**	**41.47N–.06**	**142.96E–.07**	**30**	**3.8b**	**26**	**1-86**
NIED	X	23 19 55 11.5	41.55N	142.92E	36	3.8W		¶621309392
JMA	X	23 19 55 11.5–.07	41.6N–.30	142.9E–.40	36–0	4.0,3.9		
IDC	X	23 19 55 12.3–2.2	41.49N	142.87E	58–19	3.7,3.5b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.44 $M_{\theta\theta}$4.29 $M_{\phi\phi}$-1.85 $M_{r\theta}$-2.87 $M_{\theta\phi}$0.36 $M_{\phi r}$3.07 NP1:ϕ_s234.00000°,δ37.00000°,λ-153.00000°. NP2:ϕ_s122.00000° ,δ74.00000°,λ-56.00000°. M_o5.62000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=21.8km s-min=13.2km az=111.0.

ISC	**XI**	**03 15 58 12.1–.98**	**42.94N–.06**	**145.66E–.05**	**42–8**	**4.2b,3.4s**	**83**	**0-144**
IDC	XI	03 15 58 04.7–1.1	42.98N	146.14E	0	4.0b,3.9		¶621412249
MOS	XI	03 15 58 10.5–1.0	42.86N	145.73E	50	4.6b,3.9		
NEIC	XI	03 15 58 11.6–2.4	42.94N–.09	145.8E–.20	44–9	4.3b,3.9		
JMA	XI	03 15 58 12.5–.11	42.9N–.30	145.6E–.50	38–1	4.2,3.8		
NIED	XI	03 15 58 12.5	42.93N	145.61E	38	3.9W,3.8		
SKHL	XI	03 15 58 13.2–.50	43.00N	145.60E	34–1	5.2b,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=17.4km az=77.0.
MOS Error ellipse: s-maj=11.9km s-min=8.3km az=92.6.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=11.3km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. OFF NEMURO PENINSULA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.22 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-3.79 $M_{r\theta}$1.76 $M_{\theta\phi}$-2.89 $M_{\phi r}$5.01 NP1:ϕ_s223.00000°,δ22.00000°,λ110.00000°. NP2:ϕ_s21.00000° ,δ69.00000°,λ82.00000°. M_o7.20000×10^{14}

ISC	**X**	**31 18 53 56.2–.92**	**42.46N–.07**	**140.91E–.07**	**138–7**	**3.8b**	**25**	**0-64**
IDC	X	31 18 53 35.2–22	42.19N	141.81E	0	3.8b,3.8		¶621395263
JMA	X	31 18 53 56.7–.11	42.5N–.40	140.9E–.60	133–0	2.4,3.8		

ISC Event type ke.
JMA Event type ke. IBURI REGION .

ISC	**XI**	**02 20 04 56.5–.92**	**41.57N–.04**	**142.07E–.05**	**61–9**	**3.9b**	**34**	**1-65**
JMA	XI	02 20 04 56.8–.09	41.6N–.30	142.1E–.40	53–1	3.2		¶621401360
IDC	XI	02 20 04 58.0–2.0	41.64N	142.36E	86–17	3.7,3.5b		

ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=35.7km s-min=15.4km az=100.0.

ISC	**XI**	**01 15 45 29.2–2.1**	**44.57N–.06**	**144.94E–.04**	**14–16**		**22**	**1-3**
JMA	XI	01 15 45 29.8–.12	44.6N–.40	144.9E–.50	16–1	3.1		¶626704987
SKHL	XI	01 15 45 30.4–.30	44.60N	145.00E	15–5	4.4b		

ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .

SKHL	**XI**	**03 11 40 35.9–.20**	**43.80N**	**142.80E**	**40–5**	**4.1b**		
JMA	XI	03 11 40 35.2–.08	41.2N–.30	144.9E–.40	32–1	3.2		¶626705036

JMA Event type ke. SE OFF TOKACHI .

ISC	**XI**	**07 19 22 19.5–.43**	**41.03N–.04**	**142.05E–.04**	**67–2**	**4.5b**	**368**	**1-131**
MOS	XI	07 19 22 17.7–.85	41.03N	142.06E	66	4.8b		¶621372488
NIED	XI	07 19 22 18.7	41.05N	142.04E	57	4.2W		
JMA	XI	07 19 22 18.7–.09	41.1N–.30	142.0E–.30	57–0	4.3,4.2		
IDC	XI	07 19 22 19.8–1.4	41.04N	142.02E	68–12	4.3,4.0b		
NEIC	XI	07 19 22 19.5–1.4	41.07N–.07	141.95E–.08	59–6	4.5b,4.0b		
GFZ	XI	07 19 22 19.4–.35	41N–5.0	142E–5.0	58	6.1b,5.7		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.20 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.24 $M_{r\theta}$0.90 $M_{\theta\phi}$-0.02 $M_{\phi r}$1.69 NP1:ϕ_s164.00000°,δ19.00000°,λ53.00000°. NP2:ϕ_s23.00000° ,δ75.00000°,λ102.00000°. M_o2.27000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

ISC	**XI**	**08 06 43 10.1–.61**	**44.83N–.05**	**143.23E–.05**	**243–5**	**3.4b**	**61**	**0-145**
IDC	XI	08 06 43 10.2–.48	44.91N	143.18E	239–4	3.8,3.2b		¶621423080
SKHL	XI	08 06 43 10.7–.30	44.90N	143.30E	205–5	5.0,4.4b		
JMA	XI	08 06 43 10.3–.17	44.8N–.90	143E–1.0	246–1	3.4,4.4b		

ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .

ISC	**XI**	**14 23 19 06.3–.54**	**43.22N–.04**	**141.78E–.04**	**174–4**	**3.9b**	**155**	**0-90**
MOS	XI	14 23 19 05.0–1.4	43.31N	141.65E	165	4.3b		¶621403201
NEIC	XI	14 23 19 06.9–1.2	43.21N–.06	141.7E–.10	170–6	4.1b		
IDC	XI	14 23 19 06.2–.97	43.11N	141.88E	178–8	4.1s,3.9		
JMA	XI	14 23 19 06.8–.15	43.2N–.60	141.7E–.80	171–1	3.7,3.9		
SKHL	XI	14 23 19 07.7–.00	43.30N	141.90E	154–4	5.2,4.8b		

ISC Event type ke.
MOS Error ellipse: s-maj=11.2km s-min=8.2km az=89.7.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.2km az=118.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.8km s-min=12.2km az=133.0.
JMA Event type ke. ISHIKARI DEPRESSION .

ISC	**XI**	**14 13 08 46.6–.61**	**41.58N–.04**	**141.53E–.04**	**89–5**	**4.5b**	**216**	**0-88**
MOS	XI	14 13 08 45.6–.94	41.63N	141.48E	94	4.5b		¶621403071
NEIC	XI	14 13 08 47.7–1.3	41.62N–.06	141.53E–.10	89–7	4.6b		
IDC	XI	14 13 08 47.3–1.4	41.62N	141.52E	97–11	4.1,3.8b		
JMA	XI	14 13 08 47.2–.10	41.6N–.30	141.5E–.50	85–0	4.0,3.9		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. TSUGARU STRAIT REGION .

ISC	**XI**	**24 06 52 28.4–2.4**	**42.9N–.10**	**145.61E–.09**	**34–3**		**17**	**0-1**
JMA	XI	24 06 52 27.5–.10	42.8N–.30	145.6E–.40	38–1	3.2		¶626705758
SKHL	XI	24 06 52 29.2–.20	43.00N	145.60E	34–3	4.2b		

ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .

ISC	**XI**	**20 20 04 21.2–1.6**	**41.16N–.09**	**142.7E–.10**	**27**	**3.5b**	**14**	**1-66**
IDC	XI	20 20 04 19.6–3.1	41.25N	142.12E	0	3.8b,3.6		¶621590380
JMA	XI	20 20 04 21.4–.08	41.2N–.30	142.8E–.40	30–1	3.1,3.6		

ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .

ISC	**XI**	**22 19 09 59.2–.65**	**42.26N–.05**	**143.06E–.05**	**61–6**	**4.1b**	**102**	**0-76**
MOS	XI	22 19 09 58.6–1.0	42.20N	143.07E	49	4.4b		¶621611923
NEIC	XI	22 19 09 59.7–.86	42.23N–.06	143.2E–.10	66–5	4.3b		
JMA	XI	22 19 10 00.7–.15	42.3N–.50	143.1E–.60	50–1	3.7		
IDC	XI	22 19 10 01.2–2.8	42.30N	143.15E	76–18	3.9,3.6b		
SKHL	XI	22 19 10 01.2–.60	42.30N	143.10E	51–4	4.8b,3.6b		

ISC Event type ke.
MOS Error ellipse: s-maj=10.9km s-min=7.8km az=71.6.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.7km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
IDC Error ellipse: s-maj=37.2km s-min=22.0km az=132.0.

ISC	**XI**	**25 20 39 48.8–2.0**	**44.58N–.07**	**144.91E–.06**	**15–13**		**15**	**1-2**
JMA	XI	25 20 39 49.1–.15	44.6N–.50	144.9E–.60	16–1	2.8		¶626705795
SKHL	XI	25 20 39 50.4–.40	44.60N	145.00E	17–1	3.9b		

ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .

ISC	**XI**	**26 08 37 11.2–1.3**	**42.45N–.05**	**144.92E–.04**	**29–9**	**4.1b**	**117**	**1-85**
MOS	XI	26 08 37 10.5–1.0	42.35N	145.02E	15	4.5b		¶621470354
SKHL	XI	26 08 37 11.8–.70	42.40N	145.00E	50–5	5.0b		
NIED	XI	26 08 37 12.3	42.50N	144.92E	30	4.0W		
JMA	XI	26 08 37 12.3–.06	42.5N–.20	144.9E–.40	30–1	4.0,4.0		
NEIC	XI	26 08 37 13.8–1.3	42.43N–.08	144.8E–.10	53–5	4.3b,4.0		
IDC	XI	26 08 37 14.2–2.2	42.36N	144.88E	63–17	4.0,3.7b		

ISC Event type ke.
MOS Error ellipse: s-maj=9.5km s-min=6.6km az=93.5.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.04 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.59 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.62 $M_{\phi r}$0.53 NP1:ϕ_s237.00000°,δ36.00000°,λ115.00000°. NP2:ϕ_s27.00000° ,δ58.00000°,λ73.00000°. M_o1.22000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.3km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.3km s-min=12.9km az=94.0.

ISC	**XI**	**29 18 19 00.9–.95**	**42.55N–.05**	**144.21E–.03**	**79–7**	**3.8b**	**51**	**0-65**
IDC	XI	29 18 18 58.4–5.0	42.23N	143.83E	49–24	3.7L,3.7		¶621626985
JMA	XI	29 18 19 00.6–.14	42.6N–.40	144.2E–.50	84–1	3.4,3.7		
SKHL	XI	29 18 19 01.6–.30	42.60N	144.20E	75–5	4.7b,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=74.6km s-min=21.8km az=88.0.
JMA Event type ke. SE OFF TOKACHI .

ISC	**XI**	**26 03 25 05.7–.98**	**43.07N–.09**	**143.17E–.05**	**131–7**	**3.7b**	**25**	**0-48**
IDC	XI	26 03 24 44.1–34	42.38N	143.97E	0	3.8b,3.8		¶621621981
JMA	XI	26 03 25 06.7–.20	43.0N–.70	143.1E–.80	123–1	3.0,3.8		

ISC Event type ke.
JMA Event type ke. TOKACHI REGION .

ISC	**XI**	**29 18 23 18.6–.70**	**41.92N–.04**	**142.49E–.03**	**63–6**	**4.2b**	**96**	**0-71**
MOS	XI	29 18 23 17.4–1.3	41.92N	142.48E	69	4.5b		¶621615779
NEIC	XI	29 18 23 18.3–1.2	41.88N–.06	142.6E–.10	66–9	4.3b		
NIED	XI	29 18 23 18.6	41.93N	142.46E	61	3.9W		
JMA	XI	29 18 23 18.6–.19	41.9N–.40	142.5E–.80	61–2	4.0,3.7		
IDC	XI	29 18 23 21.0–2.2	42.04N	142.38E	77–15	3.8,3.6b		

ISC Event type ke.
MOS Error ellipse: s-maj=11.5km s-min=8.6km az=68.8.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=2.5km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.77 $M_{\theta\theta}$-1.06 $M_{\phi\phi}$-3.71 $M_{r\theta}$2.32 $M_{\theta\phi}$-0.41 $M_{\phi r}$4.80 NP1:ϕ_s184.00000°,δ20.00000°,λ74.00000°. NP2:ϕ_s22.00000° ,δ71.00000°,λ96.00000°. M_o6.81000×10^{14}
JMA Event type fe. S OFF URAKAWA .
IDC Error ellipse: s-maj=26.1km s-min=13.1km az=124.0.

ISC	**XI**	**30 10 04 06.8–.66**	**43.56N–.06**	**145.34E–.04**	**134–5**	**3.8b**	**52**	**0-93**
JMA	XI	30 10 04 07.9–.15	43.6N–.50	145.3E–.70	129–1	3.5		¶621627041
SKHL	XI	30 10 04 08.4–.00	43.60N	145.30E	126–3	5.8,5.0b		
IDC	XI	30 10 04 09.9–2.2	44.07N	145.18E	139–13	3.9,3.5b		

ISC Event type ke.
JMA Event type fe. NEMURO REGION .
IDC Error ellipse: s-maj=51.6km s-min=17.1km az=173.0.

ISC	**XII**	**02 20 49 14.8–.38**	**45.73N–.03**	**142.61E–.04**	**314–3**	**4.5b**	**468**	**1-155**
BJI	XII	02 20 49 12.9	45.82N	142.74E	321	5.2b,4.8b		¶621611289
MOS	XII	02 20 49 14.2–.89	45.76N	142.56E	323	4.4b,4.8b		
GFZ	XII	02 20 49 15.5–.31	46N–4.0	143E–4.0	312–3	5.6b,5.2		
JMA	XII	02 20 49 15.1–.24	46N–1.0	143E–2.0	323–1	4.7,4.5		
NEIC	XII	02 20 49 15.3–1.6	45.83N–.07	142.6E–.10	314–4	4.6b,4.5		
NIED	XII	02 20 49 15.1	45.72N	142.65E	323	4.7W,4.5		
IDC	XII	02 20 49 15.2–.41	45.85N	142.54E	312–4	4.7,4.0b		

ISC Event type ke.
MOS Error ellipse: s-maj=7.5km s-min=5.3km az=104.5.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. NE OFF HOKKAIDO .
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.4km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.42 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.17 $M_{\theta\phi}$-0.28 $M_{\phi r}$-1.02 NP1:ϕ_s27.00000°,δ16.00000°,λ108.00000°. NP2:ϕ_s188.00000° ,δ75.00000°,λ85.00000°. M_o1.20000×10^{16}
IDC Error ellipse: s-maj=8.5km s-min=6.9km az=166.0.

ISC	**XII**	**04 07 14 32.7–.61**	**41.16N–.05**	**140.09E–.07**	**171–5**	**3.8b**	**53**	**0-88**
IDC	XII	04 07 14 32.5–1.4	41.20N	140.08E	165–11	4.1,3.7b		¶621630650
NIED	XII	04 07 14 33.3	41.15N	140.11E	167	3.9W,3.7b		
JMA	XII	04 07 14 33.3–.14	41.2N–.40	140.1E–.90	167–1	3.7,3.7b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.94 $M_{\theta\theta}$-2.21 $M_{\phi\phi}$3.15 $M_{r\theta}$-3.14 $M_{\theta\phi}$-2.40 $M_{\phi r}$-8.03 NP1:ϕ_s118.00000°,δ23.00000°,λ-172.00000°. NP2:ϕ_s20.00000° ,δ87.00000°,λ-68.00000°. M_o9.38000×10^{14}
JMA Event type ke. W OFF AOMORI PREF .

ISC	**XII**	**03 13 16 53.0–.57**	**41.04N–.04**	**140.14E–.05**	**160–5**	**4.3b**	**142**	**0-149**
IDC	XII	03 13 16 53.6–1.3	41.21N	140.07E	154–11	4.1,3.7b		¶621630598
JMA	XII	03 13 16 53.7–.13	41.1N–.40	140.2E–.80	157–1	3.4,3.7b		
NEIC	XII	03 13 16 53.4–1.1	41.10N–.07	140.12E–.09	158–6	4.4b,3.7b		

ISC Event type ke.
JMA Event type ke. TSUGARU PENINSULA REGION.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**05 14 14 06.5–.82**	**41.49N–.05**	**143.04E–.04**	**50–7**	**4.5b,3.5s**	**242**	**1-147**
MOS	XII	05 14 14 00.6–1.2	41.55N	142.94E	13	4.6b,3.5s		¶621612723
JMA	XII	05 14 14 06.8–.07	41.6N–.30	142.9E–.40	34–0	4.3,4.3		
NIED	XII	05 14 14 06.8	41.55N	142.90E	34	4.2W,4.3		
NEIC	XII	05 14 14 07.5–.81	41.57N–.06	142.9E–.10	50–6	4.6b,4.3		
IDC	XII	05 14 14 09.3–1.9	41.53N	142.81E	75–16	4.1,3.8b		

ISC Event type ke.
MOS Error ellipse: s-maj=9.1km s-min=6.2km az=71.7.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.91 $M_{\theta\theta}$1.92 $M_{\phi\phi}$-0.01 $M_{r\theta}$-0.44 $M_{\theta\phi}$-0.71 $M_{\phi r}$1.40 NP1:ϕ_s266.00000°,δ38.00000°,λ-131.00000°. NP2:ϕ_s134.00000° ,δ62.00000°,λ-62.00000°. M_o2.50000×10^{15}
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.5km az=124.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.1km s-min=12.5km az=119.0.

ISC	**XII**	**07 20 50 16.5–.74**	**41.57N–.03**	**141.92E–.04**	**64–7**	**4.2b**	**131**	**1-79**
NEIC	XII	07 20 50 16.3–.89	41.64N–.07	141.86E–.06	57–7	4.3b		¶621618809
NIED	XII	07 20 50 16.5	41.60N	141.96E	59	3.8W		
JMA	XII	07 20 50 16.5–.10	41.6N–.30	142.0E–.30	59–1	3.8		
IDC	XII	07 20 50 19.3–1.7	41.64N	141.89E	87–12	3.9,3.6b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=1.1km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.02 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$-3.18 $M_{r\theta}$1.99 $M_{\theta\phi}$-0.56 $M_{\phi r}$4.36 NP1:ϕ_s188.00000°,δ19.00000°,λ77.00000°. NP2:ϕ_s22.00000° ,δ71.00000°,λ94.00000°. M_o6.03000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=19.3km s-min=11.5km az=128.0.

ISC	**XII**	**06 14 33 21.3–.37**	**41.45N–.03**	**142.07E–.03**	**63–2**	**4.8b**	**586**	**1-147**
BJI	XII	06 14 33 18.1	41.37N	142.24E	69	5.1b,4.8b		¶635658774
MOS	XII	06 14 33 20.2–.81	41.48N	142.06E	66	5.1b,4.8b		
JMA	XII	06 14 33 21.4–.09	41.5N–.30	142.1E–.30	55–0	4.4,4.3		
NIED	XII	06 14 33 21.4	41.49N	142.06E	55	4.5W,4.3		
IDC	XII	06 14 33 21.8–1.3	41.47N	142.08E	66–11	4.5,4.2b		
NEIC	XII	06 14 33 21.4–1.5	41.42N–.04	142.06E–.07	57–5	4.9b,4.2b		
GFZ	XII	06 14 33 23.3–.39	42N–5.0	142E–7.0	67–4	5.7b,5.4		

ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.24 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-3.27 $M_{r\theta}$2.10 $M_{\theta\phi}$-0.26 $M_{\phi r}$3.88 NP1:ϕ_s169.00000°,δ21.00000°,λ58.00000°. NP2:ϕ_s23.00000° ,δ72.00000°,λ101.00000°. M_o5.48000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**10 11 16 03.6–3.4**	**45.70N–.09**	**144.0E–.10**	**310–23**			**21**	**1-5**
JMA	XII	10 11 16 04.4–.33	46N–2.0	144E–4.0	316	3.1			**¶626706604**
SKHL	XII	10 11 16 05.6–.50	45.70N	144.00E	307–3	4.4b,4.2s			

ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .

ISC	**XII**	**11 22 31 23.2–.91**	**42.30N–.06**	**143.09E–.04**	**55–7**	**3.6b**		**36**	**0-65**
SKHL	XII	11 22 31 24.3–.40	42.20N	143.20E	49–6	4.8b			**¶621644224**
JMA	XII	11 22 31 24.0–.16	42.3N–.50	143.1E–.60	48–1	3.4			
IDC	XII	11 22 31 32.0–4.2	42.95N	142.25E	80–25	3.6,3.3b			

ISC Event type ke.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
IDC Error ellipse: s-maj=47.9km s-min=25.8km az=168.0.

ISC	**XII**	**15 01 46 19.4–1.6**	**42.97N–.09**	**145.44E–.06**	**33–4**			**24**	**0-3**
JMA	XII	15 01 46 18.7–.11	43.0N–.50	145.5E–.50	46–1	3.1			**¶626706937**
SKHL	XII	15 01 46 19.7–.30	43.00N	145.40E	37–3	4.1b			

ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .

ISC	**XII**	**14 22 33 45.4–1.2**	**41.02N–.06**	**142.74E–.10**	**27**	**3.3b**		**12**	**1-66**
IDC	XII	14 22 33 43.0–1.9	40.77N	142.08E	0	3.6L,3.5b			**¶621652970**
JMA	XII	14 22 33 47.2–.11	41.1N–.60	142.8E–.40	26–1	3.3,3.5b			

ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .

ISC	**XII**	**15 13 30 14.4–.47**	**44.99N–.04**	**141.66E–.04**	**263–4**	**4.2b**		**353**	**0-156**
MOS	XII	15 13 30 13.7–.77	44.96N	141.64E	271	4.2b			**¶635665549**
JMA	XII	15 13 30 14.0–.25	45.0N–.90	142E–2.0	272–2	4.2			
IDC	XII	15 13 30 14.3–.52	45.01N	141.61E	260–5	4.5,3.8b			
SKHL	XII	15 13 30 14.5–.40	45.00N	141.70E	274–8	5.5b,5.5			
NEIC	XII	15 13 30 14.6–1.4	44.98N–.03	141.6E–.10	263–5	4.2b,5.5			

ISC Event type ke.
JMA Event type ke. SOYA REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**20 05 42 45.9–1.5**	**44.55N–.05**	**144.92E–.05**	**15–11**			**17**	**1-3**
JMA	XII	20 05 42 45.4–.15	44.6N–.50	144.9E–.50	17–1	2.7			**¶626707183**
SKHL	XII	20 05 42 46.3–.50	44.60N	145.00E	10–3	4.0b			

ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .

ISC	**XII**	**16 12 52 33.4–3.2**	**43.82N–.09**	**145.33E–.10**	**166–18**			**28**	**0-2**
JMA	XII	16 12 52 36.8–.28	44N–1.0	145E–2.0	155–2	2.6			**¶626707013**
SKHL	XII	16 12 52 37.0–.00	44.30N	144.50E	82–2	4.7,3.9b			

ISC Event type ke.
JMA Event type ke. NEMURO REGION .

ISC	**XII**	**21 02 53 15.1–.23**	**43.78N–.03**	**145.94E–.03**	**97–1**	**5.2b**		**1429**	**0-153**
BGR	XII	21 02 53 12.6	44.25N	145.55E	97	5.3b,4.0s			**¶621635029**
BJI	XII	21 02 53 13.5	43.82N	145.81E	89	5.5b,5.4b			
MOS	XII	21 02 53 14.4–.90	43.75N	145.95E	105	5.3b,3.9s			
IDC	XII	21 02 53 15.8–.43	43.87N	145.96E	99–3	5.2,4.9b			
JMA	XII	21 02 53 15.8–.16	43.7N–.50	146.1E–.90	96–1	5.0,4.9W			
NIED	XII	21 02 53 15.8	43.73N	146.05E	96	4.9W,4.9W			
NEIC	XII	21 02 53 15.2–1.2	43.82N–.05	145.89E–.10	93–4	5.2b,4.9			
GFZ	XII	21 02 53 16.3–.41	44N–2.0	146E–2.0	99–3	5.7b,5.4b			
SKHL	XII	21 02 53 16.0–.50	43.70N	146.00E	107–3	6.5,6.0b			
GCMT	XII	21 02 53 18.2–.20	43.78N–.02	145.96E–.02	107–3	5.0W,6.0b			

ISC Event type ke.
BGR Event type ke.
MOS Event type fe. Felt (IV) at Yuzhno-Kuril'sk, Goryachiy Plyazh, Golovnino, (III) at Malokuril'skoye, Mendeleevo. Moment Tensor Solution.
JMA Event type fe. NEAR KUNASHIRI ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.70 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-1.28 $M_{r\theta}$-1.12 $M_{\theta\phi}$0.02 $M_{\phi r}$-1.99 NP1:ϕ_s324.00000°,δ20.00000°,λ28.00000°. NP2:ϕ_s208.00000° ,δ81.00000°,λ108.00000°. M_o2.53000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112210253A. Moment Tensor Solution. s36,c44; s102,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.10 $M_{\theta\theta}$1.55±.10; $M_{\phi\phi}$-2.01±.11; $M_{r\theta}$-1.28±.06; $M_{\theta\phi}$0.36±.12; $M_{\phi r}$-2.44±.06; Best double couple: NP1:ϕ_s309.00000°,δ32.00000° ,λ10.00000°. NP2:ϕ_s211.00000°,δ85.00000°,λ121.00000°. Principal axes: T 3.0600,Plg42.0000°,Azm151.0000°; N 0.4790,Plg31.0000°,Azm28.0000° ; P -3.5360,Plg32.0000°,Azm275.0000° M_o3.29800×10^{16}

ISC	**XII**	**20 16 05 25.6–.22**	**42.36N–.02**	**142.65E–.02**	**43–1**	**5.0b,3.9s**		**1038**	**0-155**
BJI	XII	20 16 05 22.2	42.20N	142.85E	45	5.2b,4.9b			**¶621634790**
BGR	XII	20 16 05 23.9–8.6	42.50N	142.50E	33	4.9b,4.1s			
SKHL	XII	20 16 05 24.8–.30	42.20N	142.60E	62–6	6.1b,4.1s			
NEIC	XII	20 16 05 25.7–.84	42.39N–.05	142.67E–.07	41–5	5.1b,4.1s			
IDC	XII	20 16 05 25.4–1.1	42.35N	142.66E	39–9	4.8,4.5b			
MOS	XII	20 16 05 25.0–.89	42.39N	142.63E	51	5.2b,4.5b			
NIED	XII	20 16 05 26.1	42.39N	142.66E	39	4.7W,4.5b			
GFZ	XII	20 16 05 26.5–.15	42N–2.0	143E–2.0	45–1	5.5b,5.0b			
JMA	XII	20 16 05 26.1–.18	42.4N–.60	142.7E–.70	39–1	4.8,4.8W			

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.86 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-0.63 $M_{r\theta}$-0.39 $M_{\theta\phi}$0.63 $M_{\phi r}$-0.62 NP1:ϕ_s297.00000°,δ45.00000°,λ43.00000°. NP2:ϕ_s173.00000° ,δ61.00000°,λ126.00000°. M_o1.22000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type fe. HIDAKA REGION .

ISC	**XII**	**25 10 40 39.8–.48**	**44.01N–.04**	**145.67E–.04**	**130–4**	**4.3b**		**168**	**0-83**
MOS	XII	25 10 40 38.8–.92	44.08N	145.68E	138	4.2b			**¶621653366**
JMA	XII	25 10 40 40.4–.20	44.0N–.70	146E–1.0	127–1	3.8			
SKHL	XII	25 10 40 40.1–.10	44.00N	145.60E	131–1	5.8,5.1b			
NEIC	XII	25 10 40 40.2–1.1	44.14N–.07	145.61E–.08	126–7	4.3b,5.1b			
IDC	XII	25 10 40 40.2–.77	44.14N	145.62E	128–7	4.2s,4.0			

ISC Event type ke.
MOS Error ellipse: s-maj=9.8km s-min=7.8km az=83.9.
JMA Event type fe. NEAR KUNASHIRI ISLAND .
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=2.1km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.1km s-min=10.6km az=169.0.

ISC	**XII**	**25 19 46 11.2–.91**	**43.09N–.06**	**145.68E–.05**	**44–6**	**3.8b**		**62**	**0-84**
IDC	XII	25 19 46 02.7–1.9	42.59N	145.79E	0	3.9L,3.7b			**¶621700170**
JMA	XII	25 19 46 10.6–.09	43.0N–.30	145.7E–.40	45–1	3.9,3.7b			
NIED	XII	25 19 46 10.6	43.01N	145.71E	45	3.7W,3.7b			
SKHL	XII	25 19 46 11.6–.30	43.10N	145.70E	38–6	4.9b,3.7b			
NEIC	XII	25 19 46 12.6–.95	43.2N–.10	145.6E–.10	52–8	4.1b,3.7b			

ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.87 $M_{\theta\theta}$-1.93 $M_{\phi\phi}$-1.94 $M_{r\theta}$1.85 $M_{\theta\phi}$-2.06 $M_{\phi r}$-0.47 NP1:ϕ_s207.00000°,δ41.00000°,λ59.00000°. NP2:ϕ_s65.00000° ,δ55.00000°,λ114.00000°. M_o4.35000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**28 20 47 37.5–.51**	**41.99N–.04**	**142.61E–.03**	**64–4**	**4.3b**		**204**	**0-82**
MOS	XII	28 20 47 35.3–.92	42.11N	142.54E	54	4.6b			**¶621656472**
NEIC	XII	28 20 47 37.8–1.8	42.04N–.05	142.59E–.07	63–7	4.3b			
SKHL	XII	28 20 47 38.7–.20	42.00N	142.70E	82–6	6.0,5.2b			
JMA	XII	28 20 47 38.1–.17	42.0N–.50	142.6E–.70	62–1	3.9,3.9			
NIED	XII	28 20 47 38.1	42.04N	142.60E	62	4.0W,3.9			
IDC	XII	28 20 47 39.5–1.8	42.13N	142.61E	74–13	4.0,3.7b			

ISC Event type ke.
MOS Error ellipse: s-maj=9.2km s-min=7.5km az=99.2.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.0km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. S OFF URAKAWA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.57 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-0.45 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.58 $M_{\phi r}$0.97 NP1:ϕ_s248.00000°,δ29.00000°,λ146.00000°. NP2:ϕ_s9.00000° ,δ74.00000°,λ66.00000°. M_o1.25000×10^{15}
IDC Error ellipse: s-maj=19.9km s-min=11.9km az=118.0.

ISC	**XII**	**26 05 48 32.9–.88**	**42.42N–.07**	**139.15E–.08**	**200**	**3.5b**		**21**	**0-63**
IDC	XII	26 05 48 32.2–1.6	42.59N	138.74E	175–26	3.7,3.3b			**¶621700197**
JMA	XII	26 05 48 33.1–.42	42.4N–.70	139E–2.0	213–3	3.3,3.3b			

ISC Event type ke.
JMA Event type ke. SW OFF HOKKAIDO .

ISC	**XII**	**26 19 40 05.5–.53**	**41.95N–.03**	**142.36E–.03**	**68–5**	**4.6b**		**391**	**0-152**
BGR	XII	26 19 39 58.2	41.93N	144.77E	33	4.5b			**¶621653682**
JMA	XII	26 19 40 05.0–.23	42.0N–.90	142.3E–.90	71–2	4.3,4.2			
NEIC	XII	26 19 40 05.1–1.8	41.94N–.06	142.31E–.06	66–5	4.6b,4.2			
GFZ	XII	26 19 40 06.5–.34	42N–4.0	142E–6.0	70	6.3b,6.0			
IDC	XII	26 19 40 06.6–1.3	41.98N	142.33E	72–10	4.4,4.1b			

ISC Event type ke.
BGR Event type ke.
JMA Event type fe. S OFF URAKAWA .
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=12.7km s-min=8.8km az=118.0.

ISC	**XII**	**28 17 18 13.7–1.6**	**43.08N–.06**	**145.17E–.04**	**23–9**			**22**	**0-1**
JMA	XII	28 17 18 14.4–.07	43.1N–.30	145.2E–.40	19–0	3.2			**¶626707385**
SKHL	XII	28 17 18 14.3–.40	43.10N	145.20E	22–3	4.3b			

ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .

ISC	**XII**	**28 17 45 43.5–.90**	**41.57N–.04**	**142.08E–.05**	**62–9**	**3.8b**		**32**	**1-65**
IDC	XII	28 17 45 35.4–1.2	41.46N	142.03E	0	3.7b,3.7			**¶635673768**
JMA	XII	28 17 45 43.7–.10	41.6N–.30	142.1E–.40	54–1	3.2,3.7			

ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .

(225) Off southeast coast of Hokkaido.

JMA	**VII**	**05 05 20 18.9–.50**	**41N–1.0**	**148E–3.0**	**62**	**3.8**			**¶626140565**

JMA Event type ke. FAR SE OFF HOKKAIDO .

SKHL	**VII**	**08 03 30 39.5–.20**	**42.00N**	**146.80E**	**44–3**	**4.3b**			
NIED	VII	08 03 30 38.5	41.90N	146.68E	56	3.3W			**¶626143235**
JMA	VII	08 03 30 38.4–.20	41.9N–.40	147E–2.0	55–2	3.6			

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.86 $M_{\theta\theta}$1.16 $M_{\phi\phi}$-0.31 $M_{r\theta}$0.31 $M_{\theta\phi}$0.67 $M_{\phi r}$0.13 NP1:ϕ_s71.00000°,δ37.00000°,λ-87.00000°. NP2:ϕ_s247.00000° ,δ53.00000°,λ-92.00000°. M_o1.19000×10^{14}
JMA Event type ke. FAR SE OFF HOKKAIDO .

(226) Near west coast of eastern Honshu.

JMA	**VII**	**03 11 55 23.9–.09**	**39.8N–.20**	**139.7E–.40**	**13–0**	**3.5**			
NIED	VII	03 11 55 23.9	39.80N	139.67E	13	3.2W			**¶620973928**

JMA Event type fe. OGA PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{13}Nm; M_{rr}-0.34 $M_{\theta\theta}$6.16 $M_{\phi\phi}$-5.82 $M_{r\theta}$-2.11 $M_{\theta\phi}$-1.50 $M_{\phi r}$-1.13 NP1:ϕ_s323.00000°,δ69.00000°,λ1.00000°. NP2:ϕ_s232.00000° ,δ89.00000°,λ159.00000°. M_o6.61000×10^{13}

ISC	**VII**	**11 00 16 40.7–.94**	**37.52N–.04**	**137.26E–.04**	**11–6**	**3.6b**		**23**	**0-80**
IDC	VII	11 00 16 38.5–.91	37.48N	137.25E	0	3.6b,3.6			**¶620928387**
JMA	VII	11 00 16 40.7–.05	37.5N–.10	137.3E–.20	13–0	4.2,3.9			
NIED	VII	11 00 16 40.7	37.51N	137.27E	13	3.7W,3.9			

ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=11.1km az=43.0.
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.84 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-3.65 $M_{r\theta}$-0.11 $M_{\theta\phi}$-0.72 $M_{\phi r}$-1.42 NP1:ϕ_s14.00000°,δ35.00000°,λ94.00000°. NP2:ϕ_s189.00000° ,δ55.00000°,λ87.00000°. M_o4.07000×10^{14}

ISC	**VII**	**23 13 13 35.3–1.4**	**40.99N–.03**	**139.35E–.05**	**16–10**			**29**	**1-61**
JMA	VII	23 13 13 36.4–.09	40.9N–.20	139.3E–.60	31–1	3.3			**¶620967918**
IDC	VII	23 13 13 40.5–2.4	40.90N	139.09E	53–35	3.2,3.1b			

ISC Event type ke.
JMA Event type fe. W OFF AOMORI PREF .
IDC Error ellipse: s-maj=37.0km s-min=29.0km az=116.0.

ISC	**VIII**	**04 13 13 11.0–1.1**	**37.46N–.04**	**137.20E–.05**	**16–9**			**13**	**0-2**
JMA	VIII	04 13 13 11.2–.04	37.5N–.10	137.2E–.10	13–0	3.6			**¶621024190**
NIED	VIII	04 13 13 11.2	37.46N	137.18E	13	3.5W			

ISC Event type ke.
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.24 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$-0.31 $M_{r\theta}$0.71 $M_{\theta\phi}$-1.22 $M_{\phi r}$-0.29 NP1:ϕ_s203.00000°,δ47.00000°,λ44.00000°. NP2:ϕ_s80.00000° ,δ60.00000°,λ127.00000°. M_o1.81000×10^{14}

JMA	**VII**	**25 10 28 24.0–.13**	**37.5N–.20**	**137.3E–.50**	**11–1**	**0.5**			**¶626159363**

JMA Event type ke. NOTO PENINSULA REGION .

ISC	**VIII**	**07 20 44 15.8–.82**	**40.57N–.05**	**139.95E–.09**	**185–6**	**3.7b**		**31**	**0-70**
IDC	VIII	07 20 44 15.5–1.4	40.56N	140.07E	185–18	3.7,3.3b			**¶621000739**
JMA	VIII	07 20 44 16.5–.13	40.5N–.40	139.9E–.90	177–1	2.8,3.3b			

ISC Event type ke.
JMA Event type ke. WESTERN AOMORI PREF .

ISC	**VIII**	**13 10 30 15.5–1.1**	**37.47N–.05**	**137.21E–.05**	**15–9**			**13**	**0-2**
JMA	VIII	13 10 30 15.7–.03	37.5N–.10	137.2E–.10	12–0	3.5			**¶626296510**

ISC Event type ke.
JMA Event type fe. NOTO PENINSULA REGION .

ISC	**VIII**	**21 07 40 11.7–1.0**	**37.54N–.04**	**137.22E–.04**	**11–7**	**3.6b**		**21**	**0-80**
IDC	VIII	21 07 40 09.7–.95	37.55N	137.22E	0	3.6b,3.6			**¶621024198**
JMA	VIII	21 07 40 12.0–.05	37.5N–.10	137.2E–.20	13–0	3.7,3.6			
NIED	VIII	21 07 40 12.0	37.52N	137.24E	13	3.6W,3.6			

ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=14.8km az=55.0.
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.78 $M_{\theta\theta}$-1.52 $M_{\phi\phi}$-1.26 $M_{r\theta}$-0.29 $M_{\theta\phi}$-1.54 $M_{\phi r}$-0.63 NP1:ϕ_s53.00000°,δ39.00000°,λ99.00000°. NP2:ϕ_s222.00000° ,δ52.00000°,λ83.00000°. M_o2.94000×10^{14}

ISC	**VIII**	**14 13 38 06.5–1.3**	**37.50N–.04**	**137.15E–.06**	**9–10**	**3.8b**		**19**	**0-67**
IDC	VIII	14 13 38 04.9–.85	37.46N	137.08E	0	3.6b,3.6			**¶621013499**
JMA	VIII	14 13 38 07.0–.04	37.5N–.10	137.2E–.20	14–0	4.2,4.0			

ISC Event type ke.
JMA Event type fe. NOTO PENINSULA REGION .

JMA	**VIII**	**21 21 14 37.9–.06**	**37.9N–.20**	**138.2E–.40**	**16–0**	**4.0,3.7**			
NIED	VIII	21 21 14 37.9	37.92N	138.17E	16	3.5W,3.7			**¶621024200**

JMA Event type fe. SADOGASHIMA IS REG .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.42 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.48 $M_{r\theta}$-1.29 $M_{\theta\phi}$-0.85 $M_{\phi r}$-0.52 NP1:ϕ_s358.00000°,δ35.00000°,λ43.00000°. NP2:ϕ_s230.00000° ,δ66.00000°,λ117.00000°. M_o2.18000×10^{14}

ISC	**IX**	**07 05 07 07.7–.97**	**37.47N–.04**	**137.17E–.05**	**11–7**	**3.8b,3.1s**		**27**	**0-80**
IDC	IX	07 05 07 05.6–.68	37.45N	137.17E	0	3.8,3.7b			**¶626525232**
NIED	IX	07 05 07 07.4	37.51N	137.23E	13	3.8W,3.7b			
JMA	IX	07 05 07 07.4–.04	37.5N–.10	137.2E–.20	13–0	4.2,4.1			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.02 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$-3.84 $M_{r\theta}$-2.70 $M_{\theta\phi}$-2.56 $M_{\phi r}$-2.58 NP1:ϕ_s22.00000°,δ28.00000°,λ74.00000°. NP2:ϕ_s220.00000° ,δ63.00000°,λ99.00000°. M_o6.41000×10^{14}
JMA Event type fe. NOTO PENINSULA REGION .

JMA	**VIII**	**23 08 31 12.2–.19**	**37.2N–.70**	**138.1E–.60**	**7–2**	**1.0**			**¶626303225**

JMA Event type ke. OFF S NIIGATA PREF .

JMA	**IX**	**14 20 22 12.1–.08**	**37.5N–.20**	**137.2E–.40**	**10–1**	**0.9**			

¶626494020
JMA Event type ke. NOTO PENINSULA REGION .
JMA X 03 05 43 35.3–.04 37.5N–.10 137.2E–.20 13–0 3.8
NIED X 03 05 43 35.3 37.52N 137.24E 13 3.7W ¶626626435
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.03 $M_{\theta\theta}$-1.92 $M_{\phi\phi}$-2.11 $M_{r\theta}$-0.67 $M_{\theta\phi}$-2.32 $M_{\phi r}$-1.58 NP1:ϕ_s52.00000°,δ35.00000°,λ104.00000°. NP2:ϕ_s216.00000° ,δ56.00000°,λ80.00000°. M_o4.52000×10^{14}
ISC IX 16 09 42 30.0–.43 37.45N–.02 137.32E–.02 14–2 5.4b,4.4s 913 0-164
IDC IX 16 09 42 27.8–.34 37.48N 137.30E 0 4.9b,4.9 ¶621079125
GFZ IX 16 09 42 29.9–.10 37N–2.0 137E–2.0 10 5.6b,5.2b
NEIC IX 16 09 42 29.7 37.56N 137.90E 12 4.9,5.2b
NEIC IX 16 09 42 29.6 37.47N 137.25E 10 4.9,5.2b
NEIC IX 16 09 42 29.7 37.46N 137.27E 10 4.9,5.2b
NEIC IX 16 09 42 29.5–1.6 37.47N–.01 137.25E–.06 10–1 5.4b,4.9
NIED IX 16 09 42 30.2 37.51N 137.30E 13 5.0W,4.9
JMA IX 16 09 42 30.2–.06 37.5N–.20 137.3E–.30 13–0 5.1,4.9W
MOS IX 16 09 42 31.0–1.0 37.45N 137.23E 33 5.4b,5.0s
GCMT IX 16 09 42 33.0–.20 37.48N–.01 137.18E–.01 14–0 5.0W,5.0s
BGR IX 16 09 42 37.3 38.03N 137.22E 33 5.3b,4.4s
ISC Event type ke.
IDC Error ellipse: s-maj=9.3km s-min=7.9km az=65.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}2.85 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-1.82 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.37 $M_{\phi r}$0.12 NP1:ϕ_s217.87000°,δ43.79000° ,λ91.21000°. NP2:ϕ_s36.20000°,δ46.22000°,λ88.84000°. Principal axes: T 2.8537,Plg89.0000°,Azm273.0000°; N 0.0028,Plg1.0000°,Azm37.0000° ; P -2.8565,Plg1.0000°,Azm127.0000° M_o2.86000×10^{16}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=2.9km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.78 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-2.22 $M_{r\theta}$0.15 $M_{\theta\phi}$-1.00 $M_{\phi r}$-1.34 NP1:ϕ_s36.50000°,δ34.69000°,λ109.98000°. NP2:ϕ_s192.64000° ,δ57.67000°,λ76.69000°. Principal axes: T 3.1595,Plg74.0000°,Azm67.0000° ; N -0.2283,Plg11.0000°,Azm200.0000°; P -2.9312,Plg12.0000°,Azm292.0000° M_o3.05000×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.78 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-2.10 $M_{r\theta}$-0.22 $M_{\theta\phi}$-1.33 $M_{\phi r}$-0.96 NP1:ϕ_s37.00000°,δ36.00000°,λ100.00000°. NP2:ϕ_s205.00000° ,δ54.00000°,λ83.00000°. M_o3.01000×10^{16}
JMA Event type fe. NOTO PENINSULA REGION .
MOS Error ellipse: s-maj=6.5km s-min=3.8km az=112.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109160942A. Moment Tensor Solution. s61,c84; s114,c188; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.12 $M_{\theta\theta}$-0.70±.07; $M_{\phi\phi}$-2.61±.08; $M_{r\theta}$-0.47±.17; $M_{\theta\phi}$-1.20±.05; $M_{\phi r}$-2.06±.17; Best double couple: NP1:ϕ_s32.00000°,δ29.00000° ,λ101.00000°. NP2:ϕ_s199.00000°,δ62.00000°,λ84.00000°. Principal axes: T 3.9580,Plg73.0000°,Azm94.0000°; N -0.1700,Plg6.0000°,Azm202.0000° ; P -3.7910,Plg16.0000°,Azm294.0000° M_o3.87500×10^{16}
BGR Event type ke.
ISC IX 24 09 48 10.6–1.0 37.36N–.03 138.36E–.03 11–7 4.3b 89 0-92
IDC IX 24 09 48 08.5–.58 37.36N 138.34E 0 3.9b,3.9 ¶621126425
NIED IX 24 09 48 10.9 37.37N 138.40E 16 3.8W,3.9
JMA IX 24 09 48 10.9–.09 37.4N–.30 138.4E–.40 16–1 4.1,3.7
NEIC IX 24 09 48 11.0–1.0 37.34N–.03 138.28E–.04 10–1 4.5b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.93 $M_{\theta\theta}$-2.58 $M_{\phi\phi}$-2.35 $M_{r\theta}$0.09 $M_{\theta\phi}$-2.54 $M_{\phi r}$-0.49 NP1:ϕ_s51.00000°,δ44.00000°,λ97.00000°. NP2:ϕ_s221.00000° ,δ47.00000°,λ83.00000°. M_o5.00000×10^{14}
JMA Event type fe. OFF S NIIGATA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 31 15 41 20.7–1.0 37.49N–.04 137.23E–.05 13–7 14 0-61
NIED X 31 15 41 20.5 37.50N 137.21E 13 3.2W ¶621385007
JMA X 31 15 41 20.5–.04 37.5N–.10 137.2E–.20 13–0 3.6
IDC X 31 15 41 22.1–2.7 36.91N 136.91E 0 3.2b,3.2
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{13}Nm; M_{rr}6.67 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$-5.03 $M_{r\theta}$-0.62 $M_{\theta\phi}$-3.54 $M_{\phi r}$-3.21 NP1:ϕ_s42.00000°,δ34.00000°,λ106.00000°. NP2:ϕ_s203.00000° ,δ58.00000°,λ79.00000°. M_o7.70000×10^{13}
JMA Event type fe. NOTO PENINSULA REGION .
IDC Error ellipse: s-maj=74.8km s-min=15.1km az=12.0.
ISC X 03 02 10 59.0–.88 37.48N–.04 137.18E–.04 15–5 4.2b 64 0-84
IDC X 03 02 10 56.6–.55 37.52N 137.15E 0 3.9b,3.8 ¶626626239
NEIC X 03 02 10 58.8–1.7 37.46N–.05 137.12E–.05 10–1 4.4b,3.8
NIED X 03 02 10 59.2 37.51N 137.23E 13 3.9W,3.8
JMA X 03 02 10 59.2–.04 37.5N–.10 137.2E–.20 13–0 4.4,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}8.69 $M_{\theta\theta}$-6.02 $M_{\phi\phi}$-2.67 $M_{r\theta}$1.90 $M_{\theta\phi}$-4.75 $M_{\phi r}$-1.63 NP1:ϕ_s220.00000°,δ45.00000°,λ68.00000°. NP2:ϕ_s70.00000° ,δ49.00000°,λ111.00000°. M_o9.40000×10^{14}
JMA Event type fe. NOTO PENINSULA REGION .
ISC X 19 06 03 06.9–.95 37.52N–.05 137.27E–.06 17–6 14 0-61
IDC X 19 06 03 04.4–1.3 37.54N 137.20E 0 3.7b,3.5 ¶621244060
JMA X 19 06 03 07.0–.04 37.5N–.10 137.2E–.20 13–0 4.1,4.0
ISC Event type ke.
JMA Event type fe. NOTO PENINSULA REGION .
ISC XI 02 10 06 40.4–1.0 37.54N–.07 137.34E–.07 17–5 3.7b 14 0-61
IDC XI 02 10 06 39.6–1.7 37.40N 137.15E 0 3.5b,3.5 ¶621401337
NIED XI 02 10 06 40.4 37.52N 137.23E 13 3.5W,3.5
JMA XI 02 10 06 40.4–.04 37.5N–.10 137.2E–.20 13–0 3.9,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.27 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-1.56 $M_{r\theta}$-0.42 $M_{\theta\phi}$-1.10 $M_{\phi r}$0.01 NP1:ϕ_s26.00000°,δ43.00000°,λ77.00000°. NP2:ϕ_s223.00000° ,δ49.00000°,λ102.00000°. M_o2.33000×10^{14}
JMA Event type fe. NOTO PENINSULA REGION .
JMA XI 01 21 17 03.2–.04 37.5N–.10 137.2E–.20 14–0 3.6
NIED XI 01 21 17 03.2 37.52N 137.23E 14 3.5W ¶621618781
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.17 $M_{\theta\theta}$-1.07 $M_{\phi\phi}$-1.10 $M_{r\theta}$-0.51 $M_{\theta\phi}$-1.09 $M_{\phi r}$-0.51 NP1:ϕ_s45.00000°,δ36.00000°,λ90.00000°. NP2:ϕ_s225.00000° ,δ54.00000°,λ90.00000°. M_o2.29000×10^{14}
JMA XI 01 17 13 09.2–.13 37.5N–.20 137.3E–.50 19–0 0.4
¶635630666
JMA Event type ke. NOTO PENINSULA REGION .
JMA XI 04 09 04 14.3–.15 37.5N–.30 137.3E–.50 13–1 0.7
¶635632407
JMA Event type ke. NOTO PENINSULA REGION .
ISC XI 03 07 18 01.1–1.5 40.80N–.03 139.29E–.04 12–10 3.8b 34 1-65
IDC XI 03 07 17 59.6–.93 40.73N 139.19E 0 3.7b,3.6 ¶621412228
NIED XI 03 07 18 01.5 40.75N 139.24E 18 3.5W,3.6
JMA XI 03 07 18 01.5–.12 40.8N–.30 139.2E–.50 18–1 3.9,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.50 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-1.37 $M_{r\theta}$0.29 $M_{\theta\phi}$0.48 $M_{\phi r}$1.31 NP1:ϕ_s145.00000°,δ29.00000°,λ58.00000°. NP2:ϕ_s0.00000° ,δ66.00000°,λ106.00000°. M_o2.02000×10^{14}
JMA Event type fe. W OFF AOMORI PREF .
JMA XII 15 21 30 19.0–.16 37.5N–.30 137.3E–.40 11–1 0.8
¶635665829
JMA Event type ke. NOTO PENINSULA REGION .
JMA XI 04 13 44 48.1–.04 37.5N–.10 137.2E–.20 13–0 3.5
NIED XI 04 13 44 48.1 37.52N 137.22E 13 3.4W ¶621618783
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-0.24 $M_{r\theta}$0.29 $M_{\theta\phi}$-0.58 $M_{\phi r}$-0.25 NP1:ϕ_s222.00000°,δ45.00000°,λ64.00000°. NP2:ϕ_s76.00000° ,δ51.00000°,λ113.00000°. M_o1.22000×10^{14}
JMA XI 04 13 47 13.8–.08 37.5N–.20 137.2E–.20 11–0 3.5
NIED XI 04 13 47 13.8 37.51N 137.22E 11 3.1W ¶635632549
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{13}Nm; M_{rr}2.95 $M_{\theta\theta}$-2.80 $M_{\phi\phi}$-0.15 $M_{r\theta}$-1.81 $M_{\theta\phi}$-4.23 $M_{\phi r}$-1.22 NP1:ϕ_s41.00000°,δ33.00000°,λ73.00000°. NP2:ϕ_s242.00000° ,δ59.00000°,λ101.00000°. M_o4.95000×10^{13}
ISC XI 15 01 04 39.2–1.2 37.51N–.05 137.23E–.06 12–11 11 0-2
NIED XI 15 01 04 39.1 37.52N 137.24E 13 3.3W ¶621615769
JMA XI 15 01 04 39.1–.03 37.5N–.10 137.2E–.10 13–0 3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.89 $M_{\theta\theta}$-1.00 $M_{\phi\phi}$0.10 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.44 $M_{\phi r}$-0.07 NP1:ϕ_s237.00000°,δ39.00000°,λ69.00000°. NP2:ϕ_s83.00000° ,δ54.00000°,λ106.00000°. M_o1.08000×10^{14}
JMA Event type fe. NOTO PENINSULA REGION .
ISC XI 22 08 55 16.3–1.1 38.25N–.08 139.56E–.09 150 19 0-58
JMA XI 22 08 55 15.4–.18 38.3N–.60 139.4E–.90 152–1 2.1 ¶621611897
IDC XI 22 08 55 23.5–3.3 37.45N 138.77E 183–14 3.3,2.8b
ISC Event type ke.
JMA Event type ke. OFF N NIIGATA PREF .
IDC Error ellipse: s-maj=87.4km s-min=26.6km az=50.0.
ISC XI 04 15 21 48.6–.97 37.54N–.04 137.20E–.04 14–6 3.4b 26 0-80
IDC XI 04 15 21 46.3–.72 37.57N 137.17E 0 3.5b,3.5 ¶621412303
NIED XI 04 15 21 49.1 37.51N 137.23E 13 3.8W,3.5
JMA XI 04 15 21 49.1–.05 37.5N–.10 137.2E–.20 13–0 4.2,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.83 $M_{\theta\theta}$-3.02 $M_{\phi\phi}$-1.82 $M_{r\theta}$0.48 $M_{\theta\phi}$-2.29 $M_{\phi r}$-1.00 NP1:ϕ_s64.00000°,δ45.00000°,λ107.00000°. NP2:ϕ_s221.00000° ,δ48.00000°,λ74.00000°. M_o4.93000×10^{14}
JMA Event type fe. NOTO PENINSULA REGION .
ISC XII 31 05 52 42.9–.96 37.53N–.04 137.24E–.04 11–6 3.5b 29 0-92
IDC XII 31 05 52 41.4–.77 37.56N 137.21E 0 3.7b,3.7 ¶621726048
NIED XII 31 05 52 43.0 37.52N 137.24E 14 3.9W,3.7
JMA XII 31 05 52 43.0–.04 37.5N–.10 137.2E–.20 14–0 4.3,4.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.98 $M_{\theta\theta}$-4.41 $M_{\phi\phi}$-1.57 $M_{r\theta}$2.01 $M_{\theta\phi}$-2.80 $M_{\phi r}$-2.90 NP1:ϕ_s216.00000°,δ49.00000°,λ56.00000°. NP2:ϕ_s82.00000° ,δ51.00000°,λ123.00000°. M_o6.89000×10^{14}
JMA Event type fe. NOTO PENINSULA REGION .
ISC XII 19 12 06 48.1–1.0 38.35N–.06 138.69E–.10 200 3.4b 22 0-43
IDC XII 19 12 06 48.5–1.2 38.40N 138.59E 206–24 3.8,3.0b ¶621657078
JMA XII 19 12 06 49.0–.31 38N–1.0 139E–2.0 215–2 3.1,3.0b
ISC Event type ke.
JMA Event type ke. SADOGASHIMA IS REG .

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ISC VII 06 13 11 08.5–1.2 39.75N–.04 141.83E–.08 58–7 25 0-43
JMA VII 06 13 11 08.5–.09 39.8N–.20 141.9E–.40 57–0 3.4 ¶620928035
IDC VII 06 13 11 23.2–3.2 41.91N 139.49E 0 3.9b,3.5
ISC Event type se.
JMA Event type fe. NORTHERN IWATE PREF .
IDC Error ellipse: s-maj=75.1km s-min=14.9km az=148.0.
ISC VII 06 22 00 24.9–.95 36.33N–.06 139.77E–.06 128–7 3.4b 22 0-56
IDC VII 06 22 00 23.7–4.3 36.41N 139.94E 120–26 3.5,3.1b ¶620928064
JMA VII 06 22 00 25.9–.11 36.3N–.30 139.8E–.50 121–0 3.2,3.1b
ISC Event type ke.
JMA Event type ke. SOUTHERN TOCHIGI PREF .
ISC VII 17 09 07 50.7–1.1 36.31N–.03 137.63E–.03 5–7 3.9b,3.6s 57 0-123
JMA VII 17 09 07 49.9–.07 36.3N–.10 137.6E–.10 3–1 4.3,4.1 ¶620928759
IDC VII 17 09 07 49.8–.57 36.25N 137.54E 0 3.8b,3.8
NIED VII 17 09 07 49.9 36.32N 137.62E 3 4.3W,3.8
NEIC VII 17 09 07 51.4–1.5 36.32N–.04 137.64E–.05 10–1 4.2b,3.8
ISC Event type ke.
JMA Event type fe. HIDA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.41 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$2.32 $M_{r\theta}$0.63 $M_{\theta\phi}$-2.92 $M_{\phi r}$-0.41 NP1:ϕ_s198.00000°,δ79.00000°,λ1.00000°. NP2:ϕ_s108.00000° ,δ89.00000°,λ169.00000°. M_o3.67000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 09 50 08.7–.59 37.04N–.02 139.24E–.03 12–3 4.5b,3.9s 408 0-148
IDC VII 18 09 50 06.7–.41 37.04N 139.18E 0 4.3b,4.3 ¶626153296
MOS VII 18 09 50 07.2–1.1 37.05N 139.20E 12 4.9b,4.3
NIED VII 18 09 50 07.4 37.04N 139.28E 4 4.5W,4.3
JMA VII 18 09 50 07.4–.10 37.0N–.20 139.3E–.20 4–2 4.7,4.6
NEIC VII 18 09 50 08.8–1.6 36.98N–.06 139.19E–.03 10–1 4.6b,4.6
GFZ VII 18 09 50 09.8–.22 37N–3.0 139E–4.0 10 4.6b,4.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.82 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-4.65 $M_{r\theta}$-1.78 $M_{\theta\phi}$-3.16 $M_{\phi r}$2.30 NP1:ϕ_s233.00000°,δ45.00000°,λ131.00000°. NP2:ϕ_s2.00000° ,δ57.00000°,λ57.00000°. M_o6.39000×10^{15}
JMA Event type fe. WESTERN FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 18 10 11 05.9–.95 37.07N–.03 139.29E–.03 9–6 4.4b,3.3s 180 0-148
BJI VII 18 10 10 58.0 36.73N 140.09E 15 4.9b,4.5b ¶626153377
IDC VII 18 10 11 04.2–.48 37.04N 139.26E 0 4.1b,4.1
MOS VII 18 10 11 04.7–1.0 36.96N 139.30E 15 4.6b,4.1
NIED VII 18 10 11 05.2 37.06N 139.28E 4 4.2W,4.1
JMA VII 18 10 11 05.2–.07 37.1N–.20 139.3E–.20 4–2 4.6,4.3
NEIC VII 18 10 11 06.7–1.2 36.97N–.06 139.21E–.07 10–1 4.5b,4.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.27 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.15 $M_{r\theta}$-0.71 $M_{\theta\phi}$-1.19 $M_{\phi r}$0.64 NP1:ϕ_s244.00000°,δ53.00000°,λ138.00000°. NP2:ϕ_s3.00000° ,δ58.00000°,λ46.00000°. M_o1.95000×10^{15}
JMA Event type fe. WESTERN FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA VII 18 14 09 06.4–.05 36.2N–.20 137.7E–.10 3–1 3.6
NIED VII 18 14 09 06.4 36.21N 137.67E 3 3.7W ¶626153626
JMA Event type fe. HIDA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.61 $M_{\theta\theta}$-3.20 $M_{\phi\phi}$2.59 $M_{r\theta}$2.16 $M_{\theta\phi}$-2.41 $M_{\phi r}$1.82 NP1:ϕ_s298.00000°,δ56.00000°,λ-178.00000°. NP2:ϕ_s207.00000° ,δ88.00000°,λ-34.00000°. M_o4.58000×10^{14}
ISC VII 18 15 03 56.5–1.2 36.3N–.10 137.58E–.09 250 17 0-60
IDC VII 18 15 03 41.5–3.4 34.72N 135.40E 0 3.5b,3.4 ¶620928822
JMA VII 18 15 03 56.3–.20 36.3N–.80 137.6E–.70 247–1 2.4,3.4
ISC Event type se.
JMA Event type ke. HIDA MOUNTAINS REGION .
JMA VIII 01 13 50 43.0–.12 37.1N–.30 140.7E–.60 102–0 4.1,3.9
NIED VIII 01 13 50 43.0 37.09N 140.74E 102 3.9W,3.9 ¶626287003
JMA Event type fe. EASTERN FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-10.80 $M_{\theta\theta}$6.73 $M_{\phi\phi}$4.07 $M_{r\theta}$1.10 $M_{\theta\phi}$1.72 $M_{\phi r}$0.72 NP1:ϕ_s64.00000°,δ41.00000°,λ-89.00000°. NP2:ϕ_s243.00000° ,δ49.00000°,λ-91.00000°. M_o9.28000×10^{14}
ISC VII 30 06 15 33.1–1.4 36.4N–.10 137.3E–.10 254–13 11 0-56
IDC VII 30 06 15 33.2–1.6 36.27N 136.96E 242–21 3.6,3.5b ¶620986043
JMA VII 30 06 15 34.1–.21 36.3N–.90 137E–1.0 253–1 2.8,3.5b
ISC Event type ke.
JMA Event type ke. NORTHERN GIFU PREF .
ISC VII 24 04 34 25.3–1.3 37.01N–.03 139.30E–.03 3–10 3.9b 26 0-79
IDC VII 24 04 34 24.4–.95 37.04N 139.37E 0 3.8b,3.8 ¶620970196
NIED VII 24 04 34 25.6 37.04N 139.28E 4 3.8W,3.8
JMA VII 24 04 34 25.6–.08 37.0N–.20 139.3E–.20 4–2 3.6,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.05 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$-3.70 $M_{r\theta}$-1.88 $M_{\theta\phi}$-2.77 $M_{\phi r}$2.69 NP1:ϕ_s236.00000°,δ44.00000°,λ136.00000°. NP2:ϕ_s1.00000° ,δ61.00000°,λ55.00000°. M_o5.77000×10^{14}
JMA Event type fe. WESTERN FUKUSHIMA PREF .
JMA VIII 21 00 43 04.4–.03 36.6N–.10 139.4E–.20 8–0 2.7
¶626301554
JMA Event type fe. TOCHIGI GUNMA BORDER .

ISC VIII 13 09 41 33.4–1.1 36.03N–.05 139.89E–.05 49–10 19 0-60
IDC VIII 13 09 41 23.8–5.3 36.28N 140.63E 0 3.4b,3.4 **¶621012111**
JMA VIII 13 09 41 34.3–.09 36.1N–.20 139.9E–.30 45–0 3.0,3.4
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
ISC VIII 02 01 21 11.4–1.0 37.99N–.05 140.37E–.06 138–7 32 0-58
JMA VIII 02 01 21 11.6–.12 38.0N–.40 140.4E–.50 137–1 3.2 **¶620993192**
IDC VIII 02 01 21 12.8–6.7 37.92N 140.26E 148–45 3.4,3.0b
ISC Event type ke.
JMA Event type ke. MID FUKUSHIMA PREF .
IDC Error ellipse: s-maj=81.7km s-min=32.7km az=65.0.
ISC VIII 23 20 20 11.7–.89 36.11N–.06 139.91E–.06 58–7 3.6b 25 0-75
IDC VIII 23 20 20 10.9–1.9 36.09N 140.02E 52–17 3.7,3.4b **¶621024204**
NIED VIII 23 20 20 12.6 36.15N 139.86E 50 3.6W,3.4b
JMA VIII 23 20 20 12.6–.07 36.2N–.20 139.9E–.20 50–0 3.5,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.48 $M_{\theta\theta}$1.32 $M_{\phi\phi}$-0.85 $M_{r\theta}$2.05 $M_{\theta\phi}$-0.48 $M_{\phi r}$2.30 NP1:ϕ_s133.00000°,δ21.00000°,λ-7.00000°. NP2:ϕ_s229.00000° ,δ88.00000°,λ-111.00000°. M_o3.28000×10^{14}
JMA Event type fe. SW IBARAKI PREF .
ISC VIII 27 04 04 11.4–.62 37.40N–.05 140.27E–.05 106–5 4.3b 148 0-147
NEIC VIII 27 04 04 11.8–2.5 37.37N–.08 140.32E–.10 104–7 4.3b **¶621008329**
JMA VIII 27 04 04 11.8–.08 37.4N–.20 140.3E–.30 105–0 3.9,3.8
NIED VIII 27 04 04 11.8 37.37N 140.28E 105 4.1W,3.8
IDC VIII 27 04 04 12.9–1.2 37.57N 140.14E 112–10 4.1,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.8km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. MID FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.81 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-0.82 $M_{r\theta}$-0.12 $M_{\theta\phi}$-0.18 $M_{\phi r}$-1.04 NP1:ϕ_s16.00000°,δ20.00000°,λ98.00000°. NP2:ϕ_s188.00000° ,δ71.00000°,λ87.00000°. M_o1.34000×10^{15}
IDC Error ellipse: s-maj=17.6km s-min=11.1km az=140.0.
ISC VIII 25 05 12 06.1–1.3 39.76N–.04 141.86E–.08 61–8 3.7b 27 0-60
JMA VIII 25 05 12 06.6–.08 39.8N–.20 141.8E–.40 58–0 3.4 **¶621058902**
IDC VIII 25 05 12 08.6–18 40.03N 141.66E 63–126 3.6,3.4b
ISC Event type ke.
JMA Event type fe. NORTHERN IWATE PREF .
IDC Error ellipse: s-maj=219.3km s-min=29.4km az=66.0.
ISC IX 02 14 55 25.0–1.0 36.34N–.05 139.95E–.06 82–8 23 0-56
IDC IX 02 14 55 22.3–6.1 36.51N 140.14E 67–47 3.1,2.8b **¶621080689**
JMA IX 02 14 55 25.6–.07 36.4N–.20 140.0E–.30 76–0 3.1,2.8b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
ISC VIII 29 20 42 59.3–.87 36.32N–.04 140.00E–.06 84–6 3.5b 26 0-64
IDC VIII 29 20 42 47.9–.91 36.58N 140.78E 0 3.7,3.5b **¶621073203**
JMA VIII 29 20 43 00.4–.07 36.4N–.20 140.0E–.30 76–0 3.1,3.5b
ISC Event type ke.
JMA Event type ke. SW IBARAKI PREF .
ISC VIII 30 11 39 04.9–.87 36.75N–.03 139.20E–.04 14–5 21 0-60
IDC VIII 30 11 39 02.2–1.8 36.77N 139.29E 0 3.8L,3.6 **¶621076513**
JMA VIII 30 11 39 05.9–.03 36.7N–.10 139.2E–.10 8–0 3.9,3.6
ISC Event type ke.
JMA Event type fe. NW GUNMA PREF .
ISC IX 11 10 02 31.0–.86 40.59N–.05 140.01E–.10 185–6 3.6b 34 0-64
IDC IX 11 10 02 30.7–1.4 40.62N 140.01E 175–17 4.1s,3.7 **¶621108576**
JMA IX 11 10 02 32.0–.13 40.6N–.40 140.0E–.90 178–1 2.8,3.7
ISC Event type ke.
JMA Event type ke. WESTERN AOMORI PREF .
ISC IX 07 18 41 22.0–.78 39.14N–.04 141.85E–.07 67–6 4.3b 91 0-78
NIED IX 07 18 41 23.0 39.14N 141.73E 63 3.9W **¶621041461**
JMA IX 07 18 41 23.0–.08 39.1N–.20 141.7E–.40 63–0 4.0,4.0
IDC IX 07 18 41 23.6–1.9 39.22N 142.05E 88–15 4.0,3.7b
NEIC IX 07 18 41 23.1–.80 39.19N–.05 141.9E–.10 75–8 4.5b,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.52 $M_{\theta\theta}$7.78 $M_{\phi\phi}$-5.26 $M_{r\theta}$-0.13 $M_{\theta\phi}$1.45 $M_{\phi r}$-5.05 NP1:ϕ_s302.00000°,δ61.00000°,λ-25.00000°. NP2:ϕ_s45.00000° ,δ68.00000°,λ-149.00000°. M_o8.59000×10^{14}
JMA Event type fe. SOUTHERN IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA IX 04 16 00 01.6–.27 36.5N–.60 137.9E–.70 10–2
¶626522955
JMA Event type ke. NORTHERN NAGANO PREF .
ISC IX 06 04 58 37.5–.80 37.94N–.06 139.24E–.06 159–6 3.5b 38 0-73
IDC IX 06 04 58 36.8–3.4 38.18N 139.16E 136–56 4.0s,3.7 **¶621094231**
JMA IX 06 04 58 37.9–.12 37.9N–.40 139.3E–.60 156–1 3.0,3.7
ISC Event type ke.
JMA Event type ke. NE NIIGATA PREF .
ISC IX 19 08 18 33.2–.40 36.30N–.02 137.66E–.02 10–2 4.9s,4.8b 468 0-158
BGR IX 19 08 18 27.2 35.29N 140.98E 33 5.0b,4.9s **¶621083069**
BJI IX 19 08 18 28.0 36.24N 138.03E 5 5.2s,5.1b
IDC IX 19 08 18 30.7–.40 36.31N 137.57E 0 4.6s,4.4b
JMA IX 19 08 18 30.4–.04 36.4N–.20 137.6E–.10 0 5.3,5.1W
NIED IX 19 08 18 30.4 36.35N 137.63E 0 5.1W,5.1W
MOS IX 19 08 18 31.5–1.3 36.26N 137.72E 15 4.9b,4.6s
NEIC IX 19 08 18 32.6–1.4 36.26N–.07 137.74E–.07 10–1 5.1,5.0b
GCMT IX 19 08 18 32.7–.10 36.35N–.01 137.61E–.01 12 5.2W,5.0b
GFZ IX 19 08 18 34.0–.20 36N–3.0 138E–4.0 10 5.4b,5.2
ISC Event type ke.
BGR Event type ke.
JMA Event type fe. HIDA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.95 $M_{r\theta}$2.32 $M_{\theta\phi}$-4.92 $M_{\phi r}$-1.41 NP1:ϕ_s187.00000°,δ66.00000°,λ8.00000°. NP2:ϕ_s94.00000° ,δ83.00000°,λ156.00000°. M_o5.60000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109190818A. Moment Tensor Solution. s93,c146; s136,c247;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.18±.10 $M_{\theta\theta}$-1.76±.11; $M_{\phi\phi}$1.94±.11; $M_{r\theta}$-2.25±.26; $M_{\theta\phi}$-7.01±.08; $M_{\phi r}$1.26±.26; Best double couple: NP1:ϕ_s8.00000° ,δ72.00000°,λ6.00000°. NP2:ϕ_s277.00000°,δ85.00000°,λ162.00000°. Principal axes: T 8.0310,Plg16.0000°,Azm231.0000°; N -0.7170,Plg72.0000°,Azm81.0000° ; P -7.3120,Plg9.0000°,Azm324.0000° M_o7.67100×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA IX 12 22 53 54.1–.07 36.3N–.20 137.9E–.20 11–0 0.7
¶626492757
JMA Event type ke. CENTRAL NAGANO PREF .
ISC IX 17 12 59 38.0–.84 37.08N–.03 140.66E–.04 12–5 21 0-59
IDC IX 17 12 59 34.9–2.5 37.21N 140.92E 0 3.5s,3.4b **¶621112962**
JMA IX 17 12 59 38.8–.03 37.1N–.10 140.6E–.20 5–0 3.2,3.4b
ISC Event type ke.
JMA Event type fe. EASTERN FUKUSHIMA PREF .
ISC IX 14 22 06 02.4–.99 36.13N–.07 139.23E–.08 132–7 3.5b 21 0-56
JMA IX 14 22 06 03.0–.12 36.2N–.50 139.3E–.60 126–0 2.9 **¶621110854**
IDC IX 14 22 06 03.0–1.8 35.77N 138.75E 122–9 3.7,3.3b
ISC Event type ke.
JMA Event type ke. WESTERN SAITAMA PREF .
IDC Error ellipse: s-maj=51.3km s-min=27.7km az=63.0.
JMA IX 19 08 19 25.4–.14 36.3N–.20 137.6E–.20 1–1 4.9,4.3
NIED IX 19 08 19 25.4 36.34N 137.62E 1 4.8W,4.3 **¶626498025**
JMA Event type fe. HIDA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.29 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$0.46 $M_{r\theta}$0.90 $M_{\theta\phi}$-1.58 $M_{\phi r}$0.56 NP1:ϕ_s181.00000°,δ66.00000°,λ-19.00000°. NP2:ϕ_s279.00000° ,δ72.00000°,λ-154.00000°. M_o1.93000×10^{16}
JMA IX 19 08 26 37.6–.08 36.3N–.10 137.6E–.10 2–1 3.5
NIED IX 19 08 26 37.6 36.34N 137.62E 2 4.0W **¶626498057**
JMA Event type fe. HIDA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.14 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.14 $M_{r\theta}$0.07 $M_{\theta\phi}$-1.10 $M_{\phi r}$-0.01 NP1:ϕ_s182.00000°,δ86.00000°,λ0.00000°. NP2:ϕ_s272.00000° ,δ90.00000°,λ-176.00000°. M_o1.10000×10^{15}
JMA IX 19 08 47 42.1–.08 36.3N–.30 137.6E–.30 0 0.6
¶626498214
JMA Event type ke. HIDA MOUNTAINS REGION .
JMA IX 19 13 28 32.6–.06 36.3N–.20 137.6E–.20 3–1 0.3
¶626499531
JMA Event type ke. HIDA MOUNTAINS REGION .
ISC IX 19 09 59 10.7–1.1 36.28N–.04 137.63E–.03 5–8 4.0s,3.8b 24 0-97
IDC IX 19 09 59 09.2–.72 36.28N 137.52E 0 3.9s,3.7b **¶626498698**
NIED IX 19 09 59 10.1 36.30N 137.63E 3 4.6W,3.7b
JMA IX 19 09 59 10.1–.04 36.3N–.10 137.6E–.10 3–0 4.4,4.0
GCMT IX 19 09 59 12.0 36.50N 137.50E 10 4.8s,4.0
GCMT IX 19 09 59 14.9–.50 36.27N–.03 137.53E–.03 18–2 4.7W,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.27 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$-2.25 $M_{r\theta}$3.14 $M_{\theta\phi}$-7.18 $M_{\phi r}$1.89 NP1:ϕ_s177.00000°,δ60.00000°,λ9.00000°. NP2:ϕ_s83.00000° ,δ82.00000°,λ149.00000°. M_o7.95000×10^{15}
JMA Event type fe. HIDA MOUNTAINS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202109190959A. Moment Tensor Solution. s7,c9; s74,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.20±.07 $M_{\theta\theta}$-0.13±.06; $M_{\phi\phi}$-0.06±.06; $M_{r\theta}$0.05±.12; $M_{\theta\phi}$-1.21±.06; $M_{\phi r}$-0.04±.15; Best double couple: NP1:ϕ_s181.00000°,δ87.00000°,λ3.00000°. NP2:ϕ_s91.00000°,δ87.00000°,λ177.00000°. Principal axes: T 1.1150,Plg4.0000°,Azm46.0000°; N 0.1940,Plg86.0000°,Azm230.0000° ; P -1.3100,Plg0.0000°,Azm136.0000° M_o1.21300×10^{16}
ISC IX 19 10 04 17.9–1.0 36.26N–.03 137.63E–.03 8–7 4.1b,3.8s 72 0-93
IDC IX 19 10 04 17.0–.73 36.26N 137.60E 0 3.9s,3.8 **¶626498745**
NEIC IX 19 10 04 17.7–1.0 36.28N–.04 137.64E–.06 6–4 4.2b,3.8
NIED IX 19 10 04 17.6 36.29N 137.63E 4 4.6W,3.8
JMA IX 19 10 04 17.6–.08 36.3N–.30 137.6E–.30 3–2 4.7,4.6W
GCMT IX 19 10 04 21.5–.40 36.29N–.02 137.61E–.02 17–1 4.7W,4.6W
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.19 $M_{\theta\theta}$2.21 $M_{\phi\phi}$-2.02 $M_{r\theta}$2.94 $M_{\theta\phi}$-8.72 $M_{\phi r}$2.88 NP1:ϕ_s171.00000°,δ72.00000°,λ-13.00000°. NP2:ϕ_s265.00000° ,δ78.00000°,λ-162.00000°. M_o9.80000×10^{15}
JMA Event type fe. HIDA MOUNTAINS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109191004A. Moment Tensor Solution. s9,c10; s82,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.23±.07 $M_{\theta\theta}$0.28±.05; $M_{\phi\phi}$-0.50±.06; $M_{r\theta}$0.19±.13; $M_{\theta\phi}$-1.18±.06; $M_{\phi r}$-0.09±.16; Best double couple: NP1:ϕ_s171.00000°,δ80.00000° ,λ8.00000°. NP2:ϕ_s80.00000°,δ82.00000°,λ170.00000°. Principal axes: T 1.1770,Plg12.0000°,Azm36.0000°; N 0.1810,Plg78.0000°,Azm222.0000° ; P -1.3580,Plg1.0000°,Azm126.0000° M_o1.26700×10^{16}
JMA IX 20 05 59 52.8–.03 36.3N–.20 137.6E–.10 5–0 -0.1
¶626501336
JMA Event type ke. HIDA MOUNTAINS REGION .
ISC IX 19 10 30 36.4–.79 36.33N–.06 137.64E–.04 11 3.4b 15 0-60
IDC IX 19 10 30 34.7–.93 36.36N 137.62E 0 3.4b,3.4 **¶626498999**
JMA IX 19 10 30 34.4–.12 36.4N–.10 137.6E–.10 1–1 3.4,3.4
ISC Event type ke.
JMA Event type fe. HIDA MOUNTAINS REGION .
JMA IX 22 08 41 35.1–.08 36.4N–.10 137.6E–.10 2–1 1.1
¶626505488
JMA Event type ke. HIDA MOUNTAINS REGION .
ISC IX 24 14 55 28.9–1.0 36.09N–.04 139.68E–.09 93–8 3.8b 22 0-60
IDC IX 24 14 55 13.1–1.7 36.71N 141.08E 0 4.0L,4.0 **¶621126446**
JMA IX 24 14 55 29.7–.10 36.1N–.30 139.7E–.30 87–0 3.2,4.0
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
JMA IX 27 07 12 08.1–.03 36.3N–.20 137.6E–.10 4–0 1.8
¶626509342
JMA Event type ke. HIDA MOUNTAINS REGION .
ISC IX 27 10 54 29.7–.75 36.25N–.05 137.65E–.03 11 3.6b,3.6s 22 0-77
NIED IX 27 10 54 27.5 36.27N 137.63E 4 4.4W,3.6s **¶621140705**
JMA IX 27 10 54 27.5–.04 36.3N–.20 137.6E–.20 4–1 4.3,3.8
IDC IX 27 10 54 27.8–.92 36.30N 137.60E 0 3.6,3.6s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.14 $M_{\theta\theta}$1.15 $M_{\phi\phi}$-1.01 $M_{r\theta}$1.32 $M_{\theta\phi}$-3.38 $M_{\phi r}$1.23 NP1:ϕ_s169.00000°,δ69.00000°,λ-13.00000°. NP2:ϕ_s263.00000° ,δ78.00000°,λ-159.00000°. M_o3.96000×10^{15}
JMA Event type fe. HIDA MOUNTAINS REGION .
IDC Error ellipse: s-maj=17.0km s-min=11.7km az=155.0.
JMA X 05 04 24 22.3–.11 36.4N–.20 137.6E–.20 2–1 1.2
¶626628042
JMA Event type ke. HIDA MOUNTAINS REGION .
ISC IX 27 11 25 16.4–.72 36.18N–.06 137.67E–.03 10 3.5b 20 0-66
IDC IX 27 11 25 14.2–1.3 36.08N 137.71E 0 3.7s,3.5b **¶626510186**
NIED IX 27 11 25 15.7 36.27N 137.63E 4 4.3W,3.5b
JMA IX 27 11 25 15.7–.03 36.3N–.10 137.6E–.10 4–0 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.06 $M_{\theta\theta}$1.52 $M_{\phi\phi}$-1.46 $M_{r\theta}$0.98 $M_{\theta\phi}$-2.37 $M_{\phi r}$0.80 NP1:ϕ_s162.00000°,δ68.00000°,λ-8.00000°. NP2:ϕ_s255.00000° ,δ83.00000°,λ-158.00000°. M_o3.06000×10^{15}
JMA Event type fe. HIDA MOUNTAINS REGION .
JMA IX 27 11 27 03.6–.09 36.3N–.20 137.6E–.30 5–1 1.6
¶626510203
JMA Event type ke. HIDA MOUNTAINS REGION .
JMA X 04 03 31 09.5–.13 36.4N–.20 137.6E–.20 1–1 1.8
¶626627244
JMA Event type ke. HIDA MOUNTAINS REGION .
ISC IX 29 14 39 47.1–.94 35.33N–.04 138.86E–.05 14–7 3.4b,2.9s 17 0-59
IDC IX 29 14 39 44.9–1.2 35.43N 139.31E 0 3.4b,3.4 **¶621146121**
NIED IX 29 14 39 47.4 35.32N 138.83E 6 3.8W,3.4
JMA IX 29 14 39 47.4–.05 35.3N–.20 138.8E–.20 6–0 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.86 $M_{\theta\theta}$-2.84 $M_{\phi\phi}$0.98 $M_{r\theta}$0.07 $M_{\theta\phi}$-5.23 $M_{\phi r}$0.38 NP1:ϕ_s280.00000°,δ85.00000°,λ177.00000°. NP2:ϕ_s10.00000° ,δ87.00000°,λ5.00000°. M_o5.58000×10^{14}
JMA Event type fe. MT. FUJI REGION .
ISC IX 30 02 18 59.2–1.1 37.05N–.07 140.81E–.07 100–7 3.5b 26 0-57
JMA IX 30 02 18 59.5–.11 37.1N–.30 140.8E–.60 99–0 3.5 **¶621147735**
IDC IX 30 02 19 03.8–5.8 36.80N 140.34E 127–39 3.4,3.0b
ISC Event type ke.
JMA Event type fe. EASTERN FUKUSHIMA PREF .
IDC Error ellipse: s-maj=70.1km s-min=26.6km az=67.0.
JMA X 24 04 46 31.8–.06 36.3N–.10 138.0E–.20 12–0 0.8
¶626641283
JMA Event type ke. CENTRAL NAGANO PREF .
ISC X 07 08 00 26.3–.91 36.03N–.04 139.93E–.05 51–8 3.7b 27 0-56
NIED X 07 08 00 26.8 36.08N 139.92E 46 3.7W **¶621217203**
JMA X 07 08 00 26.8–.07 36.1N–.20 139.9E–.20 46–0 3.7
IDC X 07 08 00 27.2–1.7 35.91N 139.79E 62–16 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.08 $M_{\theta\theta}$-1.72 $M_{\phi\phi}$-1.36 $M_{r\theta}$1.77 $M_{\theta\phi}$-1.12 $M_{\phi r}$1.32 NP1:ϕ_s228.00000°,δ26.00000°,λ87.00000°. NP2:ϕ_s52.00000° ,δ64.00000°,λ92.00000°. M_o3.63000×10^{14}
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=24.8km s-min=8.5km az=63.0.
JMA X 07 13 41 03.8–.08 35.5N–.20 137.8E–.20 13–0 0.1
¶621131608
JMA Event type ke. SOUTHERN NAGANO PREF .
ISC X 23 06 50 18.9–.86 35.49N–.03 138.95E–.04 28–6 3.6b 23 0-69
IDC X 23 06 50 14.1–2.2 35.32N 138.93E 0 3.9b,3.9 **¶621309358**
JMA X 23 06 50 19.4–.09 35.5N–.20 138.9E–.20 22–0 3.8,3.8
NIED X 23 06 50 19.4 35.51N 138.93E 22 3.6W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=29.7km az=46.0.
JMA Event type fe. EASTERN YAMANASHI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.50 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-0.06 $M_{r\theta}$2.64 $M_{\theta\phi}$-0.90 $M_{\phi r}$0.31 NP1:ϕ_s192.00000°,δ18.00000°,λ20.00000°. NP2:ϕ_s83.00000°

,δ84.00000°,λ107.00000°. $M_0$2.84000×10^{14}
JMA X 31 16 44 01.1–.08 36.1N–.30 137.6E–.30 5–2 -0.1
¶626646630
JMA Event type ke. WESTERN NAGANO PREF .
ISC X 28 00 55 29.4–.43 36.06N–.03 139.87E–.04 55–3 4.5b,3.5s 380 0-148
MOS X 28 00 55 27.1–.90 36.01N 139.92E 53 4.9b,3.5s **¶621242535**
NIED X 28 00 55 29.4 36.06N 139.91E 45 4.4W,3.5s
NEIC X 28 00 55 29.4–1.7 36.04N–.05 139.88E–.08 50–5 4.7b,4.4
JMA X 28 00 55 29.4–.07 36.1N–.20 139.9E–.20 45–0 4.6,4.5
IDC X 28 00 55 30.1–1.3 35.96N 139.79E 62–12 4.4,4.1b
NEIC X 28 00 55 30 36.04N 139.92E 56 4.4,4.1b
GFZ X 28 00 55 31.3–.39 36N–6.0 140E–6.0 68 5.5b,5.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.19 $M_{\theta\theta}$-2.98 $M_{\phi\phi}$-0.21 $M_{r\theta}$1.59 $M_{\theta\phi}$-1.01 $M_{\phi r}$2.36 NP1:ϕ_s270.00000°,δ30.00000°,λ126.00000°. NP2:ϕ_s50.00000° ,δ66.00000°,λ71.00000°. $M_0$4.30000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.93 $M_{\theta\theta}$-3.45 $M_{\phi\phi}$0.52 $M_{r\theta}$2.06 $M_{\theta\phi}$-1.16 $M_{\phi r}$2.58 NP1:ϕ_s50.07000°,δ68.88000°,λ66.83000°. NP2:ϕ_s279.98000°,δ30.96000° ,λ135.52000°. Principal axes: T 4.7388,Plg59.0000°,Azm287.0000°; N 0.0300,Plg22.0000° ,Azm59.0000°; P -4.7689,Plg21.0000°,Azm157.0000° $M_0$4.75000×10^{15}
JMA Event type fe. SW IBARAKI PREF .
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC X 31 05 03 46.1–.65 35.98N–.07 137.35E–.08 241–5 3.4b 49 0-68
NEIC X 31 05 03 46.5–.90 35.99N–.03 137.3E–.10 239–6 4.1b **¶621395224**
IDC X 31 05 03 46.0–.68 36.04N 137.79E 254–10 3.8,3.1b
JMA X 31 05 03 46.4–.15 35.9N–.70 137.5E–.80 241–1 2.7,3.1b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. WESTERN NAGANO PREF .
ISC X 27 20 53 53.6–.71 39.75N–.03 141.82E–.05 61–5 4.2b 73 0-72
NIED X 27 20 53 53.7 39.76N 141.84E 59 4.0W **¶621242498**
JMA X 27 20 53 53.7–.08 39.8N–.20 141.8E–.30 59–0 3.8
IDC X 27 20 53 55.0–2.5 39.71N 141.86E 78–21 3.8,3.6b
NEIC X 27 20 53 56.1–2.3 39.94N–.05 141.62E–.08 72–5 4.2b,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.86 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.72 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.21 $M_{\phi r}$0.67 NP1:ϕ_s198.00000°,δ25.00000°,λ90.00000°. NP2:ϕ_s18.00000° ,δ65.00000°,λ90.00000°. $M_0$1.08000×10^{15}
JMA Event type fe. NORTHERN IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 30 05 16 19.9–.93 36.32N–.07 137.08E–.08 278–8 29 0-60
IDC X 30 05 16 20.7–.77 36.40N 137.18E 282–7 3.7,3.0b **¶621395151**
JMA X 30 05 16 20.4–.29 36.3N–.90 137E–1.0 278–2 2.4,3.0b
ISC Event type ke.
JMA Event type ke. TOYAMA GIFU BORDER REG .
ISC X 31 09 15 11.1–1.0 37.98N–.04 139.62E–.03 11–9 20 0-58
IDC X 31 09 15 09.3–2.9 38.08N 139.51E 0 3.4s,3.3b **¶621395238**
JMA X 31 09 15 11.2–.06 38.0N–.20 139.6E–.20 9–1 2.8,3.3b
ISC Event type ke.
JMA Event type fe. NE NIIGATA PREF .
ISC XI 06 00 08 45.9–.64 38.20N–.04 140.78E–.06 103–5 4.1b 97 0-147
IDC XI 06 00 08 46.0–1.7 38.16N 140.71E 105–16 3.9,3.5b **¶621415963**
NIED XI 06 00 08 46.2 38.25N 140.76E 95 3.9W,3.5b
JMA XI 06 00 08 46.2–.09 38.2N–.30 140.8E–.40 95–0 3.9,3.5b
NEIC XI 06 00 08 47.3–1.0 38.26N–.08 140.7E–.10 101–7 4.3b,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.96 $M_{\theta\theta}$-3.61 $M_{\phi\phi}$-0.35 $M_{r\theta}$1.66 $M_{\theta\phi}$4.44 $M_{\phi r}$-5.67 NP1:ϕ_s272.00000°,δ34.00000°,λ32.00000°. NP2:ϕ_s155.00000° ,δ73.00000°,λ120.00000°. $M_0$8.29000×10^{14}
JMA Event type fe. SOUTHERN MIYAGI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA XI 01 18 28 02.7–.15 36.9N–.40 138.2E–.60 10–2 0.6
¶635630732
JMA Event type ke. SW NIIGATA PREF .
JMA XI 02 16 19 55.9–.04 35.8N–.10 138.2E–.10 16–0 3.9,3.7
NIED XI 02 16 19 55.9 35.82N 138.16E 16 3.5W,3.7 **¶621618782**
JMA Event type fe. AKAISHI MOUNTAINS REG .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.17 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-0.64 $M_{r\theta}$1.00 $M_{\theta\phi}$-1.25 $M_{\phi r}$-0.13 NP1:ϕ_s172.00000°,δ57.00000°,λ10.00000°. NP2:ϕ_s76.00000° ,δ81.00000°,λ146.00000°. $M_0$1.70000×10^{14}
ISC XI 10 16 57 14.4–.89 39.64N–.04 141.46E–.07 124–6 3.8b 37 0-67
JMA XI 10 16 57 15.3–.12 39.6N–.30 141.3E–.50 123–0 3.6 **¶635639216**
IDC XI 10 16 57 16.0–1.7 39.75N 141.55E 145–12 3.7,3.5b
ISC Event type ke.
JMA Event type ke. NORTHERN IWATE PREF .
IDC Error ellipse: s-maj=30.1km s-min=11.1km az=108.0.
ISC XI 08 16 14 57.3–.52 37.08N–.02 140.58E–.03 11–3 4.8b,3.5s 635 0-156
IDC XI 08 16 14 55.2–.41 37.07N 140.44E 0 4.6b,4.6 **¶621384580**
JMA XI 08 16 14 57.2–.03 37.1N–.10 140.6E–.20 6–0 4.9,4.7
NIED XI 08 16 14 57.2 37.06N 140.58E 6 4.4W,4.7
BJI XI 08 16 14 58.3 36.96N 140.81E 48 4.9b,4.7b
MOS XI 08 16 14 58.2–1.0 37.19N 140.56E 27 5.0b,4.7b
NEIC XI 08 16 15 01.6–1.3 37.09N–.05 140.51E–.08 36–5 4.7b,4.7b
GFZ XI 08 16 15 02.9–.17 37N–3.0 140E–3.0 46 6.0b,5.9
ISC Event type ke.
JMA Event type fe. MID FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.97 $M_{\theta\theta}$3.80 $M_{\phi\phi}$0.18 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.82 $M_{\phi r}$-0.36 NP1:ϕ_s98.00000°,δ42.00000°,λ-96.00000°. NP2:ϕ_s286.00000° ,δ48.00000°,λ-85.00000°. $M_0$4.01000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 13 01 06 32.9–.72 38.04N–.04 140.70E–.05 131–5 3.8b 57 0-70
NEIC XI 13 01 06 32.2–1.4 37.99N–.06 140.9E–.10 121–9 4.2b **¶621468572**
IDC XI 13 01 06 32.2–4.8 38.00N 140.67E 126–34 3.8,3.4b
JMA XI 13 01 06 33.1–.09 38.1N–.30 140.7E–.40 127–0 3.4,3.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SOUTHERN MIYAGI PREF .
JMA XI 10 17 54 14.3–.15 38.2N–.50 140.2E–.50 9–1 0.8
¶635639261
JMA Event type ke. SOUTHERN YAMAGATA PREF .
ISC XI 18 22 04 45.9–.81 36.26N–.07 137.39E–.09 261–7 3.2b 26 0-60
IDC XI 18 22 04 45.7–.84 36.35N 137.03E 254–7 3.7,3.1b **¶621532504**
JMA XI 18 22 04 47.0–.19 36.2N–.80 137.4E–.80 256–1 3.1,3.1b
ISC Event type ke.
JMA Event type ke. NORTHERN GIFU PREF .
JMA XI 27 17 40 02.2–.09 36.8N–.40 138.7E–.40 5–2 0.8
¶635651681
JMA Event type ke. MID NIIGATA PREF .
ISC XII 01 14 31 35.3–1.1 40.24N–.03 140.92E–.03 4–7 4.1b,3.2s 79 0-147
IDC XII 01 14 31 34.0–.71 40.09N 141.08E 0 3.9,3.8b **¶621590441**
JMA XII 01 14 31 35.2–.04 40.2N–.10 140.9E–.10 10–0 4.2,4.2
NIED XII 01 14 31 35.2 40.24N 140.89E 10 4.0W,4.2
NEIC XII 01 14 31 36.5–1.4 40.31N–.04 140.88E–.06 10–1 4.1b,4.2
ISC Event type ke.
JMA Event type fe. NORTHERN AKITA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.21 $M_{\theta\theta}$8.43 $M_{\phi\phi}$-9.64 $M_{r\theta}$-3.71 $M_{\theta\phi}$1.28 $M_{\phi r}$-0.89 NP1:ϕ_s313.00000°,δ71.00000°,λ14.00000°. NP2:ϕ_s219.00000° ,δ77.00000°,λ161.00000°. $M_0$9.94000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 20 50 08.2–.76 37.77N–.03 140.06E–.03 10 4.0b 33 0-78
NIED XI 30 20 50 07.0 37.77N 140.06E 7 3.8W **¶621615783**
JMA XI 30 20 50 07.0–.04 37.8N–.10 140.1E–.20 7–1 4.0,3.9
IDC XI 30 20 50 07.3–1.2 37.89N 139.97E 0 3.9b,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.10 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-4.46 $M_{r\theta}$-0.99 $M_{\theta\phi}$0.46 $M_{\phi r}$-3.74 NP1:ϕ_s345.00000°,δ27.00000°,λ71.00000°. NP2:ϕ_s186.00000° ,δ64.00000°,λ99.00000°. $M_0$6.15000×10^{14}
JMA Event type fe. SOUTHERN YAMAGATA PREF .
IDC Error ellipse: s-maj=25.8km s-min=14.0km az=131.0.
ISC XII 02 17 23 23.7–.88 35.53N–.03 138.96E–.05 24–7 3.7b 39 0-93
JMA XII 02 17 23 24.3–.09 35.5N–.20 139.0E–.30 21–0 3.8 **¶621629896**
NIED XII 02 17 23 24.3 35.53N 138.98E 21 3.8W
IDC XII 02 17 23 26.1–.94 35.51N 138.90E 44–9 3.7,3.6s
ISC Event type ke.
JMA Event type fe. EASTERN YAMANASHI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.54 $M_{\theta\theta}$-1.87 $M_{\phi\phi}$-1.67 $M_{r\theta}$2.27 $M_{\theta\phi}$-2.63 $M_{\phi r}$1.40 NP1:ϕ_s216.00000°,δ29.00000°,λ74.00000°. NP2:ϕ_s54.00000° ,δ62.00000°,λ99.00000°. $M_0$4.79000×10^{14}
IDC Error ellipse: s-maj=22.5km s-min=6.7km az=69.0.
JMA XII 01 17 44 53.5–.07 36.8N–.40 138.8E–.30 5–0 1.0
¶635654351
JMA Event type ke. MID NIIGATA PREF .
ISC XII 12 03 30 58.2–.30 36.13N–.03 139.87E–.03 58–2 5.1b,4.2s 1095 0-158
BJI XII 12 03 30 53.1 35.97N 140.15E 57 5.1b,4.9b **¶621627634**
BGR XII 12 03 30 56.6 36.05N 139.74E 33 5.3b,4.8s
IDC XII 12 03 30 58.0–1.1 36.07N 139.89E 56–9 4.9,4.7b
MOS XII 12 03 30 57.0–.96 36.19N 139.81E 57 5.4b,4.7b
NEIC XII 12 03 30 58.8–1.9 36.14N–.05 139.79E–.06 56–4 5.1b,4.9
GFZ XII 12 03 30 58.9–.22 36N–2.0 140E–3.0 57–1 5.6b,5.2b
NEIC XII 12 03 30 58.7 36.13N 139.82E 57 5.6b,5.2b
NIED XII 12 03 30 58.7 36.14N 139.85E 50 4.9W,5.2b
JMA XII 12 03 30 58.7–.07 36.1N–.20 139.9E–.20 50–0 5.0,5.0W
NEIC XII 12 03 30 58.7 36.13N 139.82E 57 5.0,5.0W
GCMT XII 12 03 31 00.8–.20 36.01N–.02 139.83E–.02 55–1 5.0W,5.0W
NEIC XII 12 03 31 03.4 36.13N 139.82E 60 4.9,5.0W
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=6.6km az=69.0.
MOS Error ellipse: s-maj=6.2km s-min=3.6km az=118.9.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.1km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.84 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$0.11 $M_{r\theta}$1.58 $M_{\theta\phi}$-0.52 $M_{\phi r}$1.53 NP1:ϕ_s54.73000°,δ70.18000°,λ72.96000°. NP2:ϕ_s276.84000°,δ25.91000° ,λ129.11000°. Principal axes: T 3.0005,Plg61.0000°,Azm299.0000°; N -0.1009,Plg16.0000° ,Azm61.0000°; P -2.8996,Plg23.0000°,Azm158.0000° $M_0$2.95000×10^{16}
GFZ Error ellipse: s-maj=5.8km s-min=4.4km az=117.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.08 $M_{\theta\theta}$-1.50 $M_{\phi\phi}$-0.58 $M_{r\theta}$1.56 $M_{\theta\phi}$-0.99 $M_{\phi r}$1.33 NP1:ϕ_s243.00000°,δ23.00000°,λ100.00000°. NP2:ϕ_s52.00000° ,δ67.00000°,λ86.00000°. $M_0$2.94000×10^{16}
JMA Event type fe. SW IBARAKI PREF .
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112120330A. Moment Tensor Solution. s53,c72; s101,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.41±.15 $M_{\theta\theta}$-2.83±.11; $M_{\phi\phi}$-0.57±.11; $M_{r\theta}$1.31±.08; $M_{\theta\phi}$-1.63±.08; $M_{\phi r}$1.38±.07; Best double couple: NP1:ϕ_s252.00000°,δ32.00000° ,λ106.00000°. NP2:ϕ_s53.00000°,δ59.00000°,λ80.00000°. Principal axes: T 3.9380,Plg74.0000°,Azm297.0000°; N 0.1840,Plg9.0000°,Azm58.0000° ; P -4.1210,Plg14.0000°,Azm150.0000° $M_0$4.03000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s5 Moment tensor: Scale 10^{16}Nm; M_{rr}2.77 $M_{\theta\theta}$-2.45 $M_{\phi\phi}$-0.32 $M_{r\theta}$0.81 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.27 NP1:ϕ_s271.81000°,δ35.95000° ,λ116.93000°. NP2:ϕ_s59.70000°,δ58.44000°,λ71.82000°. Principal axes: T 3.2827,Plg70.0000°,Azm288.0000°; N -0.5047,Plg15.0000°,Azm69.0000° ; P -2.7779,Plg12.0000°,Azm163.0000° $M_0$3.06000×10^{16}
ISC XII 03 15 36 32.1–1.2 36.87N–.08 139.09E–.10 150 14 0-60
IDC XII 03 15 36 26.5–1.9 35.48N 136.97E 0 3.5b,3.5 **¶621630605**
JMA XII 03 15 36 33.0–.16 36.9N–.50 139.2E–.60 135–1 2.1,3.5
ISC Event type se.
JMA Event type ke. NW GUNMA PREF .
ISC XII 02 21 37 47.0–.42 35.54N–.02 138.98E–.02 19–1 4.8b,3.8s 438 0-149
IDC XII 02 21 37 43.7–.43 35.43N 138.95E 0 4.5b,4.4 **¶621611286**
BGR XII 02 21 37 44.5 35.61N 141.58E 24 5.0b,4.4
BJI XII 02 21 37 45.5 35.50N 139.00E 20 4.5b,4.4s
MOS XII 02 21 37 46.4–1.1 35.41N 138.93E 30 4.9b,4.4s
JMA XII 02 21 37 48.6–.10 35.6N–.20 139.0E–.30 19–0 4.8,4.5W
NEIC XII 02 21 37 48.9 35.56N 139.02E 29 4.8,4.5W
NIED XII 02 21 37 48.6 35.55N 138.99E 19 4.5W,4.5W
NEIC XII 02 21 37 48.6–1.6 35.56N–.03 139.02E–.04 27–4 4.8b,4.4
GFZ XII 02 21 37 51.7–.41 35N–3.0 139E–4.0 51–3 5.0,5.0
ISC Event type ke.
BGR Event type ke.
JMA Event type fe. EASTERN YAMANASHI PREF .
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.34 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-2.00 $M_{r\theta}$-2.73 $M_{\theta\phi}$-4.74 $M_{\phi r}$2.45 NP1:ϕ_s8.00000°,δ59.00000°,λ36.00000°. NP2:ϕ_s258.00000° ,δ60.00000°,λ143.00000°. $M_0$6.65000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.73 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-2.52 $M_{r\theta}$-1.13 $M_{\theta\phi}$-2.82 $M_{\phi r}$1.64 NP1:ϕ_s13.94000°,δ54.82000°,λ56.31000°. NP2:ϕ_s243.11000°,δ47.15000° ,λ128.20000°. Principal axes: T 4.7454,Plg63.0000°,Azm225.0000°; N 0.0533,Plg27.0000° ,Azm35.0000°; P -4.7987,Plg4.0000°,Azm127.0000° $M_0$4.77000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA XII 17 07 17 43.3–.03 37.8N–.10 140.8E–.20 8–0 0.6
¶635940033
JMA Event type ke. EASTERN FUKUSHIMA PREF .
ISC XII 15 09 07 27.3–.88 39.41N–.04 141.40E–.08 86–6 3.5b 32 0-67
JMA XII 15 09 07 27.9–.09 39.5N–.20 141.3E–.30 82–0 3.3 **¶621654093**
IDC XII 15 09 07 28.2–2.0 39.46N 141.41E 94–17 3.6,3.3b
ISC Event type ke.
JMA Event type ke. SOUTHERN IWATE PREF .
IDC Error ellipse: s-maj=25.7km s-min=14.5km az=108.0.
ISC XII 19 18 02 18.7–.92 36.24N–.05 139.78E–.05 61–7 3.5b 28 0-60
JMA XII 19 18 02 18.9–.07 36.2N–.20 139.8E–.20 58–0 3.4 **¶621657089**
IDC XII 19 18 02 19.6–2.0 36.14N 139.62E 67–15 3.6,3.2b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=31.3km s-min=9.8km az=62.0.
ISC XII 25 00 30 58.6–.87 37.06N–.03 139.91E–.04 10–6 3.4b 28 0-91
IDC XII 25 00 30 56.7–.79 37.00N 140.02E 0 3.5L,3.5 **¶621700125**
JMA XII 25 00 30 58.5–.04 37.1N–.10 139.9E–.20 8–0 4.0,3.5
NIED XII 25 00 30 58.5 37.06N 139.86E 8 3.6W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=12.5km az=123.0.
JMA Event type fe. NORTHERN TOCHIGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.00 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.35 $M_{r\theta}$1.31 $M_{\theta\phi}$-2.21 $M_{\phi r}$-0.32 NP1:ϕ_s187.00000°,δ55.00000°,λ20.00000°. NP2:ϕ_s85.00000° ,δ73.00000°,λ143.00000°. $M_0$2.73000×10^{14}
JMA XII 23 17 39 07.4–.06 36.4N–.20 137.6E–.20 4–1 0.5
¶635670756
JMA Event type ke. HIDA MOUNTAINS REGION .
ISC XII 27 22 52 53.6–1.3 39.77N–.04 141.88E–.09 59–8 3.9b 27 0-45
IDC XII 27 22 52 49.9–12 40.14N 141.39E 0 3.9b,3.7 **¶621717345**
JMA XII 27 22 52 54.1–.08 39.8N–.20 141.9E–.30 58–0 3.6,3.4
ISC Event type ke.
JMA Event type fe. NORTHERN IWATE PREF .

(228) Near east coast of eastern Honshu.

ISC VII 02 08 15 42.4–2.1 38.3N–.10 142.1E–.10 41 4.1b 13 0-68
IDC VII 02 08 15 39.1–4.0 38.81N 142.19E 0 4.1b,3.9 **¶620927735**
NIED VII 02 08 15 42.1 38.31N 142.10E 37 3.7W,3.9
JMA VII 02 08 15 42.1–.06 38.3N–.20 142.1E–.20 37–0 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.53 $M_{\theta\theta}$1.84 $M_{\phi\phi}$-2.37 $M_{r\theta}$1.52 $M_{\theta\phi}$-0.15 $M_{\phi r}$3.56 NP1:ϕ_s134.00000°,δ24.00000°,λ16.00000°. NP2:ϕ_s30.00000° ,δ84.00000°,λ113.00000°. $M_0$4.31000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
ISC VII 02 14 43 29.7–.86 35.70N–.04 140.20E–.05 68–7 3.8b 40 0-59
IDC VII 02 14 43 27.8–2.3 35.75N 140.56E 60–18 3.8,3.5b **¶620927755**
JMA VII 02 14 43 29.1–.17 35.8N–.40 140.2E–.70 69–1 3.1,3.5b
ISC Event type ke.
JMA Event type ke. NORTHERN CHIBA PREF .
ISC VII 02 16 45 59.4–1.4 35.78N–.03 140.98E–.06 10–9 3.6b,2.6s 26 0-75
IDC VII 02 16 45 58.0–.88 35.77N 141.06E 0 3.7,3.6L **¶626138420**
JMA VII 02 16 46 01.1–.06 35.8N–.30 140.9E–.30 12–0 4.1,4.0
NIED VII 02 16 46 01.1 35.77N 140.90E 12 3.6W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=13.3km az=79.0.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.97 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$3.61 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.61 $M_{\phi r}$-0.24 NP1:ϕ_s188.00000°,δ43.00000°,λ-90.00000°. NP2:ϕ_s8.00000° ,δ47.00000°,λ-90.00000°. $M_0$3.34000×10^{14}
ISC VII 03 16 24 00.5–.58 39.66N–.03 142.11E–.05 54–4 4.3b,3.2s 176 0-129
MOS VII 03 16 23 59.8–.94 39.70N 142.19E 62 4.6b,3.2s **¶620733427**
NIED VII 03 16 24 00.3 39.63N 142.10E 49 4.1W,3.2s
JMA VII 03 16 24 00.3–.07 39.6N–.20 142.1E–.30 49–0 4.2,4.0
IDC VII 03 16 24 01.2–1.6 39.67N 142.09E 60–13 4.1,3.8b
NEIC VII 03 16 24 01.9–1.2 39.75N–.07 142.05E–.09 60–9 4.3b,3.8b
GFZ VII 03 16 24 02.3–.60 40N–5.0 142E–8.0 63–3 4.5b,4.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-0.96 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.16 $M_{\phi r}$1.00 NP1:ϕ_s184.00000°,δ22.00000°,λ75.00000°. NP2:ϕ_s20.00000° ,δ68.00000°,λ96.00000°. $M_0$1.51000×10^{15}
JMA Event type fe. E OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 03 19 06 06.7–1.0 38.51N–.04 141.82E–.08 54–7 3.9b 63 0-73
JMA VII 03 19 06 07.6–.08 38.5N–.20 141.7E–.40 53–0 3.8 **¶620733435**
IDC VII 03 19 06 07.7–2.2 38.54N 141.87E 63–19 3.6,3.3b
NIED VII 03 19 06 07.6 38.54N 141.73E 53 3.6W,3.3b
NEIC VII 03 19 06 08.8–1.1 38.64N–.06 141.8E–.10 70–9 4.2b,3.3b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.82 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$-1.65 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.13 $M_{\phi r}$2.28 NP1:ϕ_s183.00000°,δ19.00000°,λ86.00000°. NP2:ϕ_s8.00000° ,δ71.00000°,λ91.00000°. $M_0$2.89000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 04 06 35 21.7–.65 36.63N–.04 140.99E–.06 48–5 4.4b,3.4s 209 0-147
NIED VII 04 06 35 21.7 36.65N 140.93E 49 4.1W,3.4s **¶626139864**
JMA VII 04 06 35 21.7–.09 36.7N–.20 140.9E–.30 49–0 4.6,4.2
GFZ VII 04 06 35 22.6–.37 37N–3.0 141E–4.0 59–3 4.7b,4.5
NEIC VII 04 06 35 22.7–1.4 36.65N–.06 141.04E–.09 51–7 4.4b,4.5
IDC VII 04 06 35 24.3–1.7 36.55N 140.77E 72–15 4.1,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.99 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.43 $M_{\phi r}$1.02 NP1:ϕ_s210.00000°,δ24.00000°,λ103.00000°. NP2:ϕ_s15.00000° ,δ67.00000°,λ84.00000°. $M_0$1.54000×10^{15}
JMA Event type fe. E OFF IBARAKI PREF .
GFZ Error ellipse: s-maj=9.3km s-min=4.9km az=112.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.5km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=9.5km az=76.0.
JMA VII 04 15 52 03.5–.05 37.7N–.10 141.6E–.20 54–0 3.5
NIED VII 04 15 52 03.5 37.68N 141.63E 54 3.4W **¶620973929**
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.28 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-1.05 $M_{r\theta}$0.08 $M_{\theta\phi}$-0.57 $M_{\phi r}$-0.33 NP1:ϕ_s37.00000°,δ40.00000°,λ105.00000°. NP2:ϕ_s198.00000° ,δ51.00000°,λ78.00000°. $M_0$1.35000×10^{14}
ISC VII 07 14 27 31.0–1.5 37.62N–.10 142.0E–.10 24 3.6b 9 1-58
IDC VII 07 14 27 26.9–1.9 37.71N 142.53E 0 3.5b,3.4 **¶620928121**
JMA VII 07 14 27 30.2–.06 37.8N–.30 142.4E–.30 22–1 3.2,3.4
ISC Event type ke.
JMA Event type ke. SE OFF MIYAGI PREF .
ISC VII 08 21 40 20.4–.85 37.82N–.04 141.11E–.06 72–6 3.7b 40 0-90
JMA VII 08 21 40 20.2–.07 37.8N–.20 141.1E–.30 75–0 3.8 **¶620928202**
IDC VII 08 21 40 21.1–1.9 37.90N 141.10E 79–19 3.7,3.3b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=25.5km s-min=14.0km az=107.0.
ISC VII 09 02 02 31.1–1.1 38.97N–.06 142.77E–.08 16 4.5s,3.6b 19 1-78
IDC VII 09 02 02 28.6–1.4 38.89N 142.97E 0 4.4s,3.7 **¶620928216**
JMA VII 09 02 02 34.1–.06 39.0N–.20 142.7E–.20 43–0 3.7,3.7
ISC Event type ke.
JMA Event type ke. E OFF MIYAGI PREF .
ISC VII 09 11 34 15.2–1.4 35.73N–.05 140.80E–.10 51–9 3.5b 18 0-56
IDC VII 09 11 34 14.5–6.7 37.00N 140.87E 138–46 3.3,3.0b **¶626144432**
JMA VII 09 11 34 15.4–.20 35.7N–.60 140.7E–.80 51–1 2.7,3.0b
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
ISC VII 09 16 26 10.7–.78 40.48N–.04 142.03E–.05 63–7 4.2b 84 0-88
NIED VII 09 16 26 11.4 40.42N 141.96E 63 4.0W **¶620786367**
JMA VII 09 16 26 11.4–.09 40.4N–.20 142.0E–.30 63–0 4.0,3.9
IDC VII 09 16 26 11.1–1.7 40.53N 142.02E 68–14 3.9,3.7b
NEIC VII 09 16 26 12.0–1.6 40.50N–.07 141.88E–.08 66–8 4.3b,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.30 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$-2.12 $M_{r\theta}$1.83 $M_{\theta\phi}$-0.77 $M_{\phi r}$-9.08 NP1:ϕ_s36.00000°,δ9.00000°,λ136.00000°. NP2:ϕ_s170.00000° ,δ84.00000°,λ84.00000°. $M_0$9.54000×10^{14}
JMA Event type fe. NE OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 12 11 25 29.6–1.7 38.51N–.04 142.27E–.08 27–12 3.6b 29 1-59
IDC VII 12 11 25 31.2–2.4 38.47N 142.51E 45–23 3.8,3.3L **¶620928485**
NIED VII 12 11 25 32.5 38.57N 142.02E 49 3.5W,3.3L
JMA VII 12 11 25 32.5–.06 38.6N–.20 142.0E–.20 49–0 3.9,3.3L
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.76 $M_{\theta\theta}$0.80 $M_{\phi\phi}$-1.56 $M_{r\theta}$-0.89 $M_{\theta\phi}$-0.86 $M_{\phi r}$0.21 NP1:ϕ_s341.00000°,δ61.00000°,λ29.00000°. NP2:ϕ_s235.00000° ,δ64.00000°,λ148.00000°. $M_0$1.84000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
ISC VII 13 14 45 48.8–1.7 40.16N–.04 142.36E–.07 31–12 3.5b 27 0-60
IDC VII 13 14 45 44.7–1.9 40.11N 142.26E 0 3.7b,3.7 **¶620928541**
NIED VII 13 14 45 49.2 40.14N 142.40E 39 3.7W,3.7
JMA VII 13 14 45 49.2–.06 40.1N–.20 142.4E–.20 39–0 3.5,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.27 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$-1.88 $M_{r\theta}$1.11 $M_{\theta\phi}$-0.20 $M_{\phi r}$2.72 NP1:ϕ_s182.00000°,δ18.00000°,λ74.00000°. NP2:ϕ_s19.00000° ,δ72.00000°,λ95.00000°. $M_0$3.60000×10^{14}
JMA Event type ke. NE OFF IWATE PREF .
ISC VII 14 20 17 05.8–1.4 36.63N–.05 141.0E–.10 44–10 3.3b 24 0-57
IDC VII 14 20 16 59.1–2.1 36.67N 141.28E 0 3.4b,3.3 **¶620928614**
JMA VII 14 20 17 06.6–.09 36.7N–.20 140.9E–.30 48–0 3.1,3.3
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
JMA VII 15 05 55 21.2–.09 37.4N–.30 142.0E–.30 38–1 2.1
¶626150087
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC VII 15 08 40 32.7–.89 37.94N–.05 141.62E–.07 95–6 3.6b 46 0-89
IDC VII 15 08 40 32.7–1.8 38.05N 141.41E 85–15 3.8,3.5b **¶620928634**
NIED VII 15 08 40 34.0 37.98N 141.55E 89 3.7W,3.5b
JMA VII 15 08 40 34.0–.09 38.0N–.30 141.6E–.40 89–0 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.08 $M_{\theta\theta}$1.43 $M_{\phi\phi}$2.65 $M_{r\theta}$-0.74 $M_{\theta\phi}$-0.83 $M_{\phi r}$-1.54 NP1:ϕ_s144.00000°,δ38.00000°,λ-111.00000°. NP2:ϕ_s350.00000° ,δ55.00000°,λ-75.00000°. $M_0$3.90000×10^{14}
JMA Event type fe. SE OFF MIYAGI PREF .
ISC VII 16 02 39 27.6–1.5 40.11N–.04 142.31E–.10 43–12 3.7b 24 0-60
NIED VII 16 02 39 26.6 40.09N 142.44E 38 3.7W **¶620928674**
JMA VII 16 02 39 26.6–.06 40.1N–.20 142.4E–.20 38–0 3.6
IDC VII 16 02 39 28.4–1.5 40.51N 141.19E 0 3.7b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.00 $M_{\theta\theta}$-0.95 $M_{\phi\phi}$-2.05 $M_{r\theta}$1.49 $M_{\theta\phi}$-0.90 $M_{\phi r}$2.74 NP1:ϕ_s210.00000°,δ21.00000°,λ91.00000°. NP2:ϕ_s29.00000° ,δ69.00000°,λ90.00000°. $M_0$4.18000×10^{14}
JMA Event type ke. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=34.5km s-min=12.2km az=110.0.
JMA VII 16 11 49 56.8–.11 36.0N–.40 141.2E–.40 27–1 1.4
¶625598289
JMA Event type ke. E OFF IBARAKI PREF .
ISC VII 17 16 21 36.6–1.1 37.56N–.04 141.81E–.06 45–10 4.2b,3.3s 146 1-147
JMA VII 17 16 21 38.5–.05 37.6N–.10 141.6E–.20 58–0 4.7,4.4 **¶620833198**
NIED VII 17 16 21 38.5 37.62N 141.62E 58 4.2W,4.4
NEIC VII 17 16 21 38.1–1.8 37.57N–.02 141.8E–.10 51–7 4.3b,4.4
IDC VII 17 16 21 38.4–1.8 37.64N 141.69E 57–15 4.0,3.8b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.44 $M_{\theta\theta}$-1.42 $M_{\phi\phi}$-0.02 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.77 $M_{\phi r}$-0.89 NP1:ϕ_s88.00000°,δ38.00000°,λ127.00000°. NP2:ϕ_s225.00000° ,δ61.00000°,λ65.00000°. $M_0$1.89000×10^{15}
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=0.9km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.0km s-min=10.4km az=119.0.
ISC VII 22 20 56 37.5–2.1 37.63N–.07 141.8E–.10 46–17 3.6b 22 1-58
IDC VII 22 20 56 29.6–2.0 37.74N 142.20E 0 3.6b,3.5 **¶620967849**
JMA VII 22 20 56 38.8–.05 37.7N–.10 141.7E–.20 56–0 3.7,3.5
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC VII 23 00 59 31.7–1.8 36.39N–.06 140.93E–.08 24–13 3.5b 19 0-56
IDC VII 23 00 59 28.1–1.5 36.24N 141.01E 0 3.4b,3.4 **¶620967880**
NIED VII 23 00 59 32.5 36.38N 140.92E 38 3.6W,3.4
JMA VII 23 00 59 32.5–.09 36.4N–.30 140.9E–.30 38–1 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.43 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-1.96 $M_{r\theta}$0.75 $M_{\theta\phi}$-1.07 $M_{\phi r}$0.99 NP1:ϕ_s203.00000°,δ32.00000°,λ82.00000°. NP2:ϕ_s32.00000° ,δ58.00000°,λ95.00000°. $M_0$2.77000×10^{14}
JMA Event type fe. E OFF IBARAKI PREF .
ISC VII 26 06 54 15.9–.96 35.65N–.05 140.18E–.05 72–7 3.8b 23 0-56
IDC VII 26 06 54 14.9–6.1 35.54N 140.42E 68–42 3.7,3.4b **¶620973819**
JMA VII 26 06 54 15.6–.18 35.7N–.40 140.1E–.70 69–1 2.8,3.4b
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
ISC VII 23 06 56 11.8–1.2 36.04N–.08 141.8E–.10 23 3.6b 9 1-56
IDC VII 23 06 56 08.6–1.3 36.13N 142.01E 0 3.5,3.4b **¶620967892**
JMA VII 23 06 56 12.5–.04 36.2N–.20 141.8E–.30 18–1 3.3,3.4b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VII 25 22 05 16.4–1.7 39.9N–.10 142.8E–.20 12 3.7b,3.3s 11 4-72
IDC VII 25 22 05 14.0–2.0 39.85N 142.93E 0 3.6b,3.6 **¶620973798**
JMA VII 25 22 05 15.8–.04 39.6N–.20 143.2E–.20 15–1 3.4,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
ISC VII 27 04 39 14.0–1.6 36.59N–.04 141.08E–.06 16–9 4.1b 50 0-74
IDC VII 27 04 39 10.9–1.0 36.58N 141.20E 0 3.8b,3.7 **¶620970678**
JMA VII 27 04 39 13.5–.06 36.6N–.20 141.1E–.30 20–2 3.8,3.7
NIED VII 27 04 39 13.5 36.57N 141.12E 20 3.8W,3.7
NEIC VII 27 04 39 18.5–1.1 36.62N–.09 141.0E–.10 47–4 4.6b,3.7
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.45 $M_{\theta\theta}$0.14 $M_{\phi\phi}$4.30 $M_{r\theta}$0.08 $M_{\theta\phi}$2.10 $M_{\phi r}$-0.07 NP1:ϕ_s204.00000°,δ45.00000°,λ-88.00000°. NP2:ϕ_s21.00000° ,δ45.00000°,λ-92.00000°. $M_0$4.81000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 27 15 55 00.1–2.0 35.99N–.04 141.03E–.07 13–11 3.7b,2.9s 32 0-75
IDC VII 27 15 54 58.2–.83 35.98N 141.05E 0 3.7b,3.7 **¶620970679**
JMA VII 27 15 55 00.3–.05 36.0N–.20 141.0E–.20 10–1 4.8,4.6
NIED VII 27 15 55 00.3 35.97N 140.98E 10 4.0W,4.6
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=11.1km az=94.0.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$-0.92 $M_{\phi\phi}$0.89 $M_{r\theta}$-0.07 $M_{\theta\phi}$0.50 $M_{\phi r}$0.29 NP1:ϕ_s60.00000°,δ74.00000°,λ5.00000°. NP2:ϕ_s329.00000° ,δ85.00000°,λ164.00000°. $M_0$1.07000×10^{15}
ISC VII 26 20 19 20.8–.48 37.35N–.04 141.49E–.05 85–3 4.5b 381 0-155
MOS VII 26 20 19 18.7–1.1 37.38N 141.39E 77 4.7b **¶620847097**
JMA VII 26 20 19 21.2–.10 37.3N–.30 141.3E–.30 81–0 4.5,4.4W
NIED VII 26 20 19 21.2 37.34N 141.34E 81 4.4W,4.4W
IDC VII 26 20 19 21.5–1.5 37.41N 141.39E 88–13 4.4,4.1b
NEIC VII 26 20 19 22.5–1.4 37.38N–.06 141.3E–.10 92–6 4.6b,4.1b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.53 $M_{\theta\theta}$0.90 $M_{\phi\phi}$3.63 $M_{r\theta}$-0.01 $M_{\theta\phi}$1.13 $M_{\phi r}$0.38 NP1:ϕ_s21.00000°,δ43.00000°,λ-88.00000°. NP2:ϕ_s198.00000° ,δ47.00000°,λ-92.00000°. $M_0$4.30000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 07 17 14.1–.56 36.67N–.06 141.58E–.07 35 4.2b 66 1-147
JMA VII 29 07 17 13.2–.09 36.7N–.40 141.6E–.40 34–1 4.1 **¶626161992**
IDC VII 29 07 17 15.5–1.9 36.67N 141.57E 51–17 4.1,3.9b
NEIC VII 29 07 17 15.4–1.4 36.68N–.03 141.6E–.10 43–10 4.6b,3.9b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 27 16 52 30.2–.76 36.33N–.04 140.07E–.06 78–6 3.9b 69 0-75
IDC VII 27 16 52 29.7–1.5 36.33N 140.14E 79–12 4.2s,3.7 **¶620978970**
NEIC VII 27 16 52 30.8–1.2 36.37N–.03 140.0E–.10 79–7 4.6b,3.7
JMA VII 27 16 52 30.9–.07 36.3N–.20 140.0E–.30 72–0 3.5,3.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SW IBARAKI PREF .
ISC VII 27 12 26 14.5–1.9 37.48N–.07 141.8E–.10 36–4 3.6b 17 1-58
IDC VII 27 12 26 06.5–2.1 37.76N 142.19E 0 3.5b,3.4 **¶620978963**
JMA VII 27 12 26 15.5–.07 37.5N–.20 141.6E–.20 45–0 3.4,3.4
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC VII 28 18 19 51.7–1.5 35.34N–.04 141.06E–.06 32–10 4.4b,3.4s 241 0-152
IDC VII 28 18 19 46.9–.44 35.31N 141.05E 0 4.2b,4.1 **¶620857672**
MOS VII 28 18 19 50.3–1.4 35.44N 141.19E 38 4.7b,4.1
NIED VII 28 18 19 52.5 35.33N 141.01E 33 4.3W,4.1
NEIC VII 28 18 19 52.5–2.0 35.30N–.06 141.08E–.09 38–5 4.5b,4.1

JMA VII 28 18 19 52.5–.09 35.3N–.20 141.0E–.30 33–1 4.3,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.27 $M_{\theta\theta}$2.58 $M_{\phi\phi}$0.69 $M_{r\theta}$-1.09 $M_{\theta\phi}$0.98 $M_{\phi r}$1.14 NP1:ϕ_s230.00000°,δ43.00000°,λ-119.00000°. NP2:ϕ_s87.00000° ,δ54.00000°,λ-66.00000°. M_o3.45000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF BOSO PENINSULA .
JMA VII 29 17 35 29.2–.06 37.6N–.10 141.6E–.20 53–0 3.5
¶626162339
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC VII 29 18 48 14.9–1.0 40.36N–.05 142.01E–.08 54–7 3.9b 28 0-66
JMA VII 29 18 48 15.4–.09 40.3N–.30 142.0E–.30 51–0 3.6 **¶620984132**
IDC VII 29 18 48 16.5–2.1 40.39N 142.22E 76–18 3.7,3.5b
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=28.5km s-min=14.1km az=99.0.
ISC VII 30 02 09 28.1–2.0 38.69N–.05 142.15E–.10 12–11 3.4b 21 1-48
IDC VII 30 02 09 26.5–2.3 38.85N 142.16E 0 3.5b,3.4 **¶626162665**
NIED VII 30 02 09 30.8 38.66N 142.15E 43 3.5W,3.4
JMA VII 30 02 09 30.8–.05 38.7N–.20 142.2E–.20 43–0 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.43 $M_{\theta\theta}$0.32 $M_{\phi\phi}$-1.75 $M_{r\theta}$1.21 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.73 NP1:ϕ_s166.00000°,δ36.00000°,λ42.00000°. NP2:ϕ_s40.00000° ,δ67.00000°,λ118.00000°. M_o2.20000×10^{14}
JMA Event type ke. E OFF MIYAGI PREF .
ISC VII 31 11 04 48.1–1.2 40.38N–.04 142.07E–.08 51–9 3.5b 25 0-60
JMA VII 31 11 04 48.6–.09 40.4N–.30 142.0E–.30 52–0 3.4 **¶620986119**
IDC VII 31 11 04 49.3–2.5 40.45N 142.31E 76–22 3.5,3.3b
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=40.2km s-min=17.3km az=100.0.
ISC VII 30 04 05 11.7–.51 40.07N–.04 142.57E–.04 45–3 4.6s,4.5b 257 1-148
MOS VII 30 04 05 11.2–.78 40.15N 142.51E 52 4.8b,4.5b **¶620883707**
JMA VII 30 04 05 11.8–.07 40.1N–.20 142.4E–.30 38–0 4.5,4.4
NIED VII 30 04 05 11.8 40.10N 142.44E 38 4.5W,4.4
NEIC VII 30 04 05 12.7–1.5 40.17N–.06 142.42E–.09 40–6 4.5b,4.4
IDC VII 30 04 05 12.4–1.6 40.08N 142.47E 51–13 4.3,4.3s
GFZ VII 30 04 05 14.0–.41 40N–4.0 142E–6.0 45–2 4.8b,4.6
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.15 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-3.89 $M_{r\theta}$2.08 $M_{\theta\phi}$-0.92 $M_{\phi r}$4.06 NP1:ϕ_s184.00000°,δ22.00000°,λ72.00000°. NP2:ϕ_s23.00000° ,δ69.00000°,λ97.00000°. M_o6.16000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA VIII 01 01 06 48.5–.10 38.4N–.20 141.9E–.30 64–0 1.5
¶626286546
JMA Event type ke. E OFF MIYAGI PREF .
ISC VIII 02 15 35 31.6–.56 36.16N–.04 141.94E–.04 23–3 4.7b,4.3s 469 1-147
IDC VIII 02 15 35 28.2–.43 36.17N 141.88E 0 4.4b,4.4 **¶620929571**
MOS VIII 02 15 35 28.4–1.0 36.29N 141.91E 10 4.9b,4.5s
BJI VIII 02 15 35 30.0 36.20N 141.63E 10 4.9b,4.6s
NIED VIII 02 15 35 31.4 36.21N 141.87E 5 4.6W,4.6s
JMA VIII 02 15 35 31.4–.19 36.2N–.20 141.9E–.30 5–1 4.7,4.7W
NEIC VIII 02 15 35 32.8–.98 36.18N–.06 141.84E–.09 27–4 4.7b,4.7W
GFZ VIII 02 15 35 33.1–.52 36N–3.0 142E–3.0 28–3 4.9,4.8b
GCMT VIII 02 15 35 36.8–.60 36.08N–.03 141.99E–.05 30–1 4.8W,4.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.31 $M_{\theta\theta}$0.27 $M_{\phi\phi}$-0.58 $M_{r\theta}$0.36 $M_{\theta\phi}$-0.30 $M_{\phi r}$0.79 NP1:ϕ_s175.00000°,δ17.00000°,λ58.00000°. NP2:ϕ_s27.00000° ,δ76.00000°,λ99.00000°. M_o1.00000×10^{16}
JMA Event type fe. FAR E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108021535A. Moment Tensor Solution. s15,c15; s63,c89; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.78±.17 $M_{\theta\theta}$-0.53±.10; $M_{\phi\phi}$-1.25±.10; $M_{r\theta}$0.57±.13; $M_{\theta\phi}$-0.43±.04; $M_{\phi r}$1.17±.10; Best double couple: NP1:ϕ_s205.00000°,δ26.00000° ,λ89.00000°. NP2:ϕ_s26.00000°,δ64.00000°,λ90.00000°. Principal axes: T 2.2410,Plg71.0000°,Azm297.0000°; N -0.3300,Plg0.0000°,Azm205.0000° ; P -1.9100,Plg19.0000°,Azm115.0000° M_o2.07600×10^{16}
ISC VIII 01 23 45 58.6–1.9 36.6N–.20 141.5E–.10 10 6 1-57
NIED VIII 01 23 45 54.7 36.20N 141.88E 5 3.4W **¶626287373**
JMA VIII 01 23 45 54.7–.22 36.2N–.20 141.9E–.30 5–1 3.5
IDC VIII 01 23 45 56.8–3.1 36.61N 141.65E 0 4.0s,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.73 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-1.26 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.24 $M_{\phi r}$1.05 NP1:ϕ_s186.00000°,δ22.00000°,λ88.00000°. NP2:ϕ_s8.00000° ,δ68.00000°,λ91.00000°. M_o1.47000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=64.3km s-min=35.2km az=40.0.
ISC VIII 02 17 17 33.5–.00 36.26N–.07 141.82E–.10 19 3.5b 11 3-60
IDC VIII 02 17 17 31.4–1.3 36.21N 141.95E 0 3.6,3.5b **¶626287913**
NIED VIII 02 17 17 34.9 36.20N 141.86E 13 3.5W,3.5b
JMA VIII 02 17 17 34.9–.08 36.2N–.20 141.9E–.30 13–1 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.73 $M_{\theta\theta}$0.70 $M_{\phi\phi}$-1.42 $M_{r\theta}$0.84 $M_{\theta\phi}$-0.09 $M_{\phi r}$1.41 NP1:ϕ_s146.00000°,δ28.00000°,λ28.00000°. NP2:ϕ_s30.00000° ,δ77.00000°,λ115.00000°. M_o2.04000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 02 19 56 13.3–1.9 36.4N–.20 141.9E–.10 19 3.3b 8 1-56
IDC VIII 02 19 56 09.6–2.1 36.69N 142.11E 0 3.3b,3.2 **¶620993259**
JMA VIII 02 19 56 12.9–.04 36.2N–.20 141.9E–.20 17–1 3.0,3.2
ISC Event type ke.
JMA Event type fe. FAR E OFF IBARAKI PREF .
ISC VIII 03 01 48 06.0–1.3 37.40N–.05 141.98E–.08 24 3.6b 18 1-57
IDC VIII 03 01 48 00.3–1.8 37.41N 142.59E 0 3.6,3.5b **¶620995830**
JMA VIII 03 01 48 06.5–.08 37.4N–.30 142.0E–.30 36–0 3.4,3.5b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC VIII 02 21 39 10.1–.54 36.22N–.06 141.98E–.06 10 4.2b,3.7s 79 1-147
IDC VIII 02 21 39 08.9–.64 36.24N 141.90E 0 4.0,3.9b **¶620929666**
NIED VIII 02 21 39 12.9 36.21N 141.85E 6 3.9W,3.9b
NEIC VIII 02 21 39 12.5–1.9 36.24N–.06 141.90E–.10 15–4 4.4b,3.9b
JMA VIII 02 21 39 12.9–.18 36.2N–.20 141.9E–.30 6–1 4.1,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.76 $M_{\theta\theta}$1.50 $M_{\phi\phi}$-5.26 $M_{r\theta}$3.53 $M_{\theta\phi}$-2.67 $M_{\phi r}$5.54 NP1:ϕ_s175.00000°,δ22.00000°,λ54.00000°. NP2:ϕ_s33.00000° ,δ72.00000°,λ103.00000°. M_o8.31000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
JMA VIII 02 22 57 13.8–.18 36.2N–.20 141.9E–.30 4–1 2.8
¶626288097
JMA Event type ke. FAR E OFF IBARAKI PREF .
JMA VIII 03 07 28 21.4–.14 34.2N–.50 140.9E–.40 43–1 1.0
¶620930466
JMA Event type ke. FAR S OFF BOSO PENINSULA.
IDC VIII 02 21 45 05.8–4.5 37.03N 141.72E 0 3.5b,3.4
JMA VIII 02 21 45 06.1–.04 36.2N–.20 141.8E–.20 17–1 3.3,3.4 **¶620993265**
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 07 28 23.9–.49 36.23N–.05 141.94E–.05 23 4.5b,4.2s 180 1-147
BJI VIII 03 07 28 19.2 36.33N 142.01E 7 4.7b,4.6b **¶626288289**
MOS VIII 03 07 28 20.5–1.3 36.31N 141.97E 10 4.7b,4.6b
IDC VIII 03 07 28 21.1–.56 36.19N 141.82E 0 4.1b,4.1
NEIC VIII 03 07 28 23.4–.93 36.17N–.06 141.93E–.08 17–2 4.6b,4.1
NIED VIII 03 07 28 25.0 36.21N 141.83E 17 4.3W,4.1
JMA VIII 03 07 28 25.0–.05 36.2N–.30 141.8E–.30 17–1 4.7,4.4
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.36 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.39 $M_{r\theta}$2.09 $M_{\theta\phi}$-1.62 $M_{\phi r}$2.40 NP1:ϕ_s194.00000°,δ17.00000°,λ62.00000°. NP2:ϕ_s42.00000° ,δ75.00000°,λ98.00000°. M_o3.72000×10^{15}
JMA Event type fe. FAR E OFF IBARAKI PREF .
ISC VIII 03 10 29 16.6–.51 36.19N–.03 141.92E–.03 13–2 5.1b,4.9s 882 1-166
BJI VIII 03 10 29 13.8 36.24N 141.71E 5 5.2b,5.2b **¶620930507**
MOS VIII 03 10 29 15.9–1.0 36.28N 141.85E 16 5.3b,5.1s
IDC VIII 03 10 29 15.4–.32 36.22N 141.79E 0 4.7b,4.7
NEIC VIII 03 10 29 16.6 36.19N 141.93E 10 4.7b,4.7
GFZ VIII 03 10 29 16.9–.34 36N–4.0 142E–5.0 10 5.3b,5.2
GFZ VIII 03 10 29 17.5 36.24N 141.79E 30 5.0W,5.2
NEIC VIII 03 10 29 17.6–.80 36.20N–.05 141.93E–.08 17–1 5.1b,5.2
BGR VIII 03 10 29 18.5 35.55N 142.08E 33 5.0b,5.2
JMA VIII 03 10 29 19.1–.05 36.2N–.30 141.8E–.30 17–1 5.1,5.0W
NIED VIII 03 10 29 19.1 36.20N 141.81E 17 5.0W,5.0W
NEIC VIII 03 10 29 21.5 35.99N 142.06E 24 5.0,5.0W
GCMT VIII 03 10 29 24.6–.20 36.14N–.02 141.88E–.02 28–0 5.1W,5.0W
ISC Event type ke.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.29 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$-2.81 $M_{r\theta}$-0.00 $M_{\theta\phi}$-0.96 $M_{\phi r}$2.08 NP1: ϕ_s208.68907°,δ29.98305°,λ106.62651°. NP2:ϕ_s9.66722°,δ61.38970°,λ80.62585°. Principal axes: T 3.9534,Plg72.0034°,Azm257.7801°; N -0.2428,Plg8.2211°,Azm14.1871° ; P -3.7107,Plg15.8952°,Azm106.5451° M_o3.83782×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
JMA Event type fe. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.84 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-2.03 $M_{r\theta}$0.76 $M_{\theta\phi}$-1.25 $M_{\phi r}$2.58 NP1:ϕ_s216.00000°,δ21.00000°,λ108.00000°. NP2:ϕ_s17.00000° ,δ70.00000°,λ83.00000°. M_o3.49000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1$\hat{s}$7 Moment tensor: Scale 10^{16}Nm; M_{rr}2.57 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-2.45 $M_{r\theta}$1.31 $M_{\theta\phi}$-1.16 $M_{\phi r}$2.84 NP1:ϕ_s199.92000°,δ20.69000° ,λ85.90000°. NP2:ϕ_s24.30000°,δ69.37000°,λ91.55000°. Principal axes: T 3.9888,Plg66.0000°,Azm297.0000°; N 0.3548,Plg1.0000°,Azm204.0000° ; P -4.3436,Plg24.0000°,Azm113.0000° M_o4.18000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108031029A. Moment Tensor Solution. s49,c64; s116,c194; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.19±.17 $M_{\theta\theta}$-0.87±.10; $M_{\phi\phi}$-3.32±.10; $M_{r\theta}$1.17±.17; $M_{\theta\phi}$-1.03±.06; $M_{\phi r}$3.50±.15; Best double couple: NP1:ϕ_s201.00000°,δ23.00000° ,λ92.00000°. NP2:ϕ_s19.00000°,δ67.00000°,λ89.00000°. Principal axes: T 5.6480,Plg68.0000°,Azm288.0000°; N -0.4970,Plg1.0000°,Azm19.0000° ; P -5.1530,Plg22.0000°,Azm110.0000° M_o5.40000×10^{16}
ISC VIII 03 06 02 50.5–.00 36.20N–.05 141.88E–.05 13–5 4.5b,4.0s 165 1-147
IDC VIII 03 06 02 49.3–.48 36.25N 141.79E 0 4.3,4.2b **¶620930458**
MOS VIII 03 06 02 50.1–.91 36.31N 141.88E 19 4.7b,4.2b
NEIC VIII 03 06 02 51.7–2.0 36.22N–.06 141.90E–.10 16–3 4.5b,4.2b
NIED VIII 03 06 02 53.0 36.21N 141.82E 19 4.2W,4.2b
JMA VIII 03 06 02 53.0–.04 36.2N–.20 141.8E–.30 19–1 4.5,4.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.83 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-1.35 $M_{r\theta}$1.25 $M_{\theta\phi}$-0.80 $M_{\phi r}$1.70 NP1:ϕ_s167.00000°,δ21.00000°,λ40.00000°. NP2:ϕ_s39.00000° ,δ77.00000°,λ107.00000°. M_o2.49000×10^{15}
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 10 47 38.9–.56 36.17N–.06 141.89E–.07 23 4.2b 69 1-147
IDC VIII 03 10 47 36.4–.59 36.21N 141.87E 0 4.0b,4.0 **¶620995874**
NEIC VIII 03 10 47 40.0–1.1 36.20N–.06 141.94E–.09 35–2 4.5b,3.8L
JMA VIII 03 10 47 40.2–.04 36.2N–.20 141.8E–.30 21–1 4.3,3.9
NIED VIII 03 10 47 40.2 36.20N 141.77E 21 4.1W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=13.1km s-min=8.7km az=97.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.4km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.00 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.13 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.56 $M_{\phi r}$0.93 NP1:ϕ_s212.00000°,δ26.00000°,λ108.00000°. NP2:ϕ_s13.00000° ,δ65.00000°,λ81.00000°. M_o1.51000×10^{15}
JMA VIII 03 06 03 37.0–.24 36.2N–.20 141.8E–.30 5–1 3.6
¶626288255
JMA Event type ke. FAR E OFF IBARAKI PREF .
JMA VIII 03 10 48 11.3–.15 36.2N–.30 141.8E–.20 7–1 4.0
¶626288386
JMA Event type ke. FAR E OFF IBARAKI PREF .
JMA VIII 03 11 16 40.8–.04 36.2N–.20 141.8E–.30 16–1
¶626339090
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 06 16 15.0–.87 34.59N–.04 140.16E–.04 64–7 3.7b 36 0-58
IDC VIII 03 06 16 12.9–3.0 34.63N 140.44E 52–20 3.9,3.8L **¶626288261**
JMA VIII 03 06 16 14.8–.11 34.6N–.30 140.2E–.40 63–0 3.2,3.8L
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
ISC VIII 03 11 50 13.7–2.8 36.2N–.30 141.9E–.20 23 7 1-49
IDC VIII 03 11 50 06.2–5.9 35.72N 142.28E 0 4.6s,3.7b **¶626288429**
JMA VIII 03 11 50 14.1–.04 36.2N–.20 141.8E–.20 18–1 3.3,3.7b
ISC Event type ke.
JMA Event type fe. FAR E OFF IBARAKI PREF .
ISC VIII 03 11 16 46.6–.56 36.21N–.04 141.97E–.05 26–3 4.5b,3.8s 247 1-147
MOS VIII 03 11 16 42.9–1.1 36.24N 142.10E 15 4.7b,3.8s **¶620930509**
IDC VIII 03 11 16 43.4–.54 36.16N 141.88E 0 4.3b,4.3
NEIC VIII 03 11 16 45.8–1.2 36.19N–.05 142.08E–.09 20–3 4.6b,4.3
JMA VIII 03 11 16 47.5–.05 36.2N–.30 141.8E–.30 19–1 4.5,4.3
NIED VIII 03 11 16 47.5 36.19N 141.79E 19 4.3W,4.3
GFZ VIII 03 11 16 57.6–.29 37N–4.0 141E–4.0 48 4.6b,4.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.25 $M_{\theta\theta}$0.22 $M_{\phi\phi}$-1.47 $M_{r\theta}$0.72 $M_{\theta\phi}$-1.05 $M_{\phi r}$2.03 NP1:ϕ_s218.00000°,δ19.00000°,λ108.00000°. NP2:ϕ_s19.00000° ,δ72.00000°,λ84.00000°. M_o2.70000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA VIII 03 11 20 37.5–.05 36.2N–.20 141.8E–.30 21–1 3.5
NIED VIII 03 11 20 37.5 36.20N 141.76E 21 3.6W **¶621024189**
JMA Event type ke. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.40 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-2.18 $M_{r\theta}$0.55 $M_{\theta\phi}$-0.35 $M_{\phi r}$2.28 NP1:ϕ_s188.00000°,δ22.00000°,λ86.00000°. NP2:ϕ_s12.00000° ,δ68.00000°,λ92.00000°. M_o3.29000×10^{14}
ISC VIII 03 11 29 41.9–.00 36.20N–.07 141.76E–.09 23 3.6b 18 1-56
IDC VIII 03 11 29 39.3–1.2 36.12N 141.90E 0 3.7,3.6b **¶620995876**
NIED VIII 03 11 29 44.0 36.19N 141.78E 20 3.8W,3.6b
JMA VIII 03 11 29 44.0–.04 36.2N–.20 141.8E–.30 20–1 3.7,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.55 $M_{\theta\theta}$1.59 $M_{\phi\phi}$-0.04 $M_{r\theta}$2.23 $M_{\theta\phi}$-0.33 $M_{\phi r}$5.22 NP1:ϕ_s73.00000°,δ6.00000°,λ-42.00000°. NP2:ϕ_s205.00000° ,δ86.00000°,λ-94.00000°. M_o5.74000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
JMA VIII 03 20 34 14.9–.18 36.2N–.20 141.8E–.30 6–1 4.6
¶626288842
JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC VIII 03 12 37 50.5–.50 36.92N–.04 141.94E–.05 19 4.3b 78 1-90
NEIC VIII 03 12 37 53.0–1.2 36.89N–.06 141.99E–.08 35–2 4.5b **¶620995879**
IDC VIII 03 12 37 55.0–2.0 36.87N 141.70E 44–21 4.1L,4.1
JMA VIII 03 12 37 57.4–.11 37.0N–.30 141.5E–.30 70–0 4.5,4.1
NIED VIII 03 12 37 57.4 37.00N 141.51E 70 3.9W,4.1
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=3.0km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=12.6km az=83.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.28 $M_{\theta\theta}$2.46 $M_{\phi\phi}$4.82 $M_{r\theta}$4.94 $M_{\theta\phi}$-3.65 $M_{\phi r}$1.23 NP1:ϕ_s165.00000°,δ42.00000°,λ-51.00000°. NP2:ϕ_s298.00000°,δ58.00000°,λ-120.00000°. M_o8.79000×10^{14}
JMA VIII 03 20 34 41.3–.15 36.2N–.30 141.8E–.20 8–1 4.6
¶626288844
JMA Event type ke. FAR E OFF IBARAKI PREF .
JMA VIII 03 20 35 25.6–.25 36.2N–.50 141.8E–.40 7–2 3.5
¶626288848
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 20 37 18.4–.72 36.15N–.06 141.96E–.09 23 4.7b 54 1-82
IDC VIII 03 20 37 15.1–1.2 36.22N 141.98E 0 4.5,4.4b **¶626288854**
NEIC VIII 03 20 37 17.8–1.6 36.16N–.06 142.14E–.10 22–6 4.9b,4.4b
JMA VIII 03 20 37 19.7–.19 36.2N–.20 141.8E–.30 7–1 4.3,4.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 20 39 02.2–.43 36.18N–.05 141.90E–.05 23 4.8b 197 1-147
IDC VIII 03 20 38 59.6–.66 36.27N 141.85E 0 4.4b,4.4 **¶626288856**
MOS VIII 03 20 39 00.0–.80 36.29N 141.88E 15 5.1b,4.4
NEIC VIII 03 20 39 02.8–1.4 36.24N–.05 141.90E–.09 24–5 4.9b,4.4
JMA VIII 03 20 39 03.3–.16 36.2N–.10 141.8E–.20 5–1 5.3,4.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. FAR E OFF IBARAKI PREF .
ISC VIII 03 20 42 48.4–.37 36.19N–.05 141.86E–.05 23 4.7b 171 1-147
IDC VIII 03 20 42 44.8–.69 36.23N 141.99E 0 4.7s,4.3 **¶620965846**
JMA VIII 03 20 42 49.8–.05 36.2N–.20 141.8E–.30 19–1 4.4,4.3
NEIC VIII 03 20 42 49.4–1.4 36.22N–.06 141.93E–.08 26–5 4.7b,4.3
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 03 20 43 11.0–.60 36.19N–.03 141.97E–.04 12–3 5.7s,5.2b 1105 1-154
MOS VIII 03 20 43 09.9–.96 36.30N 141.95E 13 5.6s,5.6b **¶626288862**
BJI VIII 03 20 43 09.6 36.28N 141.74E 10 5.7b,5.6s
IDC VIII 03 20 43 09.9–.44 36.22N 141.78E 0 4.9b,4.9
NEIC VIII 03 20 43 10.2–1.8 36.14N–.04 142.10E–.05 10–1 5.2,5.2b
JMA VIII 03 20 43 13.2–.19 36.2N–.20 141.9E–.30 6–1 5.4,5.2W
NIED VIII 03 20 43 13.2 36.19N 141.91E 6 5.1W,5.2W
GFZ VIII 03 20 43 15.3–.14 36N–2.0 142E–3.0 30 5.5,5.2b
BGR VIII 03 20 43 17.0 36.76N 142.51E 33 6.0s,5.3b
GCMT VIII 03 20 43 17.3–.20 36.13N–.02 142.00E–.02 26–1 5.2W,5.3b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.58 $M_{\theta\theta}$1.45 $M_{\phi\phi}$-3.03 $M_{r\theta}$1.43 $M_{\theta\phi}$-1.86 $M_{\phi r}$4.60 NP1:ϕ_s211.00000°,δ15.00000°,λ104.00000°. NP2:ϕ_s16.00000°,δ76.00000°,λ86.00000°. M_o5.50000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108032043A. Moment Tensor Solution. s8,c9; s127,c213; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.57±.04 $M_{\theta\theta}$-0.01±.02; $M_{\phi\phi}$-0.55±.02; $M_{r\theta}$0.30±.04; $M_{\theta\phi}$-0.15±.01; $M_{\phi r}$0.58±.04; Best double couple: NP1:ϕ_s185.00000°,δ22.00000°,λ72.00000°. NP2:ϕ_s24.00000°,δ69.00000°,λ97.00000°. Principal axes: T 0.8720,Plg65.0000°,Azm305.0000°; N 0.0130,Plg6.0000°,Azm201.0000°; P -0.8850,Plg24.0000°,Azm108.0000° M_o0.87900×10^{17}
ISC VIII 03 21 53 44.3–1.2 36.40N–.10 141.83E–.10 19 3.5b 15 1-56
IDC VIII 03 21 53 40.5–1.1 36.25N 141.97E 0 3.7,3.6b **¶620995909**
JMA VIII 03 21 53 45.2–.04 36.2N–.20 141.8E–.20 19–1 3.8,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 20 50 13.3–.69 36.27N–.06 141.86E–.08 19 3.8b 47 3-80
NEIC VIII 03 20 50 08.6–2.0 36.17N–.06 142.35E–.09 10–1 4.5b **¶626288874**
IDC VIII 03 20 50 11.4–.69 36.28N 141.71E 0 3.8,3.7b
JMA VIII 03 20 50 14.8–.21 36.2N–.20 141.9E–.30 7–2 4.1,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 21 55 42.8–1.2 36.21N–.06 141.96E–.09 23 3.6b 14 1-56
IDC VIII 03 21 55 41.1–1.4 36.33N 141.98E 0 3.9,3.7b **¶620995910**
JMA VIII 03 21 55 45.1–.05 36.2N–.20 141.8E–.30 20–1 3.6,3.7b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
JMA VIII 03 22 05 03.5–.15 36.2N–.30 141.8E–.20 9–1 1.5
¶626538171
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 20 53 25.7–.59 36.40N–.07 141.73E–.06 26 4.3b 120 1-147
IDC VIII 03 20 53 21.5–.57 36.22N 141.81E 0 4.2,4.1b **¶620965848**
JMA VIII 03 20 53 25.7–.04 36.2N–.20 141.8E–.30 20–1 4.1,4.1b
NEIC VIII 03 20 53 26.2–1.4 36.40N–.07 141.8E–.10 25–5 4.4b,4.1b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA VIII 03 22 05 17.6–.19 36.2N–.20 141.8E–.30 6–1 3.4
IDC VIII 03 22 05 10.6–4.4 35.81N 142.00E 0 3.8b,3.7 **¶620995911**
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=102.4km s-min=35.2km az=177.0.
JMA VIII 03 22 10 49.7–.12 36.2N–.20 141.8E–.30 11–2
¶626339092
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 20 53 52.5–.55 36.24N–.06 141.94E–.07 23 4.3b 69 1-147
IDC VIII 03 20 53 49.9–.84 36.27N 141.93E 0 4.1b,4.1 **¶620995897**
NEIC VIII 03 20 53 51.2–1.4 36.24N–.06 141.97E–.08 10–1 4.5b,4.1
JMA VIII 03 20 53 54.2–.23 36.2N–.30 141.9E–.30 5–1 4.5,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 22 10 55.3–.79 36.21N–.04 141.99E–.04 13–4 5.0b,4.6s 734 1-152
IDC VIII 03 22 10 53.6–.37 36.19N 141.95E 0 4.8,4.7b **¶626289002**
BJI VIII 03 22 10 53.6 36.31N 141.79E 10 5.1b,5.0b
NEIC VIII 03 22 10 54.7–1.5 36.14N–.06 142.07E–.09 10–1 4.9b,5.0b
GFZ VIII 03 22 10 55.4–.38 36N–4.0 142E–5.0 10 5.1b,5.0
MOS VIII 03 22 10 55.6–.97 36.40N 141.93E 16 5.3b,4.6s
NIED VIII 03 22 10 57.3 36.19N 141.91E 6 4.7W,4.6s
JMA VIII 03 22 10 57.3–.20 36.2N–.20 141.9E–.30 6–1 4.9,4.8
BGR VIII 03 22 11 01.5 36.88N 141.42E 10 4.9b,4.6s
ISC Event type ke.
IDC Error ellipse: s-maj=9.9km s-min=7.0km az=100.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.7km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=7.0km s-min=3.9km az=118.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.83 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-0.59 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.56 NP1:ϕ_s216.00000°,δ27.00000°,λ88.00000°. NP2:ϕ_s39.00000°,δ63.00000°,λ91.00000°. M_o1.22000×10^{16}
JMA Event type fe. FAR E OFF IBARAKI PREF .
BGR Event type ke.
ISC VIII 03 22 22 12.2–1.5 36.08N–.10 141.9E–.10 10 3.5b 9 1-56
IDC VIII 03 22 22 08.8–1.5 36.30N 142.27E 0 3.8,3.5b **¶626289011**
JMA VIII 03 22 22 14.3–.05 36.2N–.20 141.9E–.30 16–1 3.5,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 21 03 53.8–1.1 36.35N–.09 141.88E–.09 19 4.0b 38 1-75
IDC VIII 03 21 03 50.8–1.1 36.24N 141.89E 0 3.8b,3.8 **¶620995899**
NEIC VIII 03 21 03 51.1–1.4 36.22N–.05 142.1E–.10 10–2 4.1b,3.8
JMA VIII 03 21 03 55.0–.06 36.2N–.30 141.8E–.30 17–1 3.6,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 23 28 35.8–2.9 36.4N–.40 141.8E–.20 10 3.3b 11 1-51
JMA VIII 03 23 28 36.5–.19 36.3N–.20 141.8E–.30 8–1 3.2 **¶620995918**
IDC VIII 03 23 28 37.7–5.8 34.53N 140.92E 68–35 3.5,3.3b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=87.5km s-min=17.5km az=69.0.
JMA VIII 04 00 53 14.3–.19 36N–2.0 141.7E–.60 22
¶626449612
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 22 49 06.3–.49 36.22N–.05 141.77E–.06 23 4.3b,3.9s 127 1-147
IDC VIII 03 22 49 02.8–.57 36.21N 141.83E 0 4.0b,4.0 **¶626289051**
NEIC VIII 03 22 49 07.0–1.6 36.18N–.06 141.79E–.07 24–3 4.5b,4.0
NIED VIII 03 22 49 07.0 36.18N 141.77E 18 4.2W,4.0
JMA VIII 03 22 49 07.0–.06 36.2N–.30 141.8E–.30 18–1 4.5,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.69 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-0.97 $M_{r\theta}$0.83 $M_{\theta\phi}$-0.63 $M_{\phi r}$1.49 NP1:ϕ_s186.00000°,δ16.00000°,λ67.00000°. NP2:ϕ_s30.00000°,δ76.00000°,λ96.00000°. M_o1.96000×10^{15}
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 20 33 35.4–.40 36.17N–.02 141.92E–.03 24–2 5.7s,5.6b 2134 1-164
BJI VIII 03 20 33 31.9 36.30N 141.73E 10 6.2s,6.0b **¶626288840**
NEIC VIII 03 20 33 32.8 36.09N 142.11E 10 6.2s,6.0b
IPGP VIII 03 20 33 32.0 36.11N 142.09E 15 6.0W,6.0b
NEIC VIII 03 20 33 32.5 36.11N 142.07E 10 6.0W,6.0b
MOS VIII 03 20 33 33.8–1.3 36.33N 141.97E 18 6.1s,5.9b
IDC VIII 03 20 33 33.1–.39 36.32N 141.78E 0 5.7s,5.1b
NEIC VIII 03 20 33 34.8–1.6 36.10N–.05 142.10E–.07 27–1 5.8,5.7b
PTWC VIII 03 20 33 34 36.10N 142.20E 74 5.8,5.7b
ISC-P VIII 03 20 33 34 36.10N 142.10E 4–0 6.6,5.7b
GFZ VIII 03 20 33 35.5 36.19N 141.76E 32 5.8W,5.7b
NIED VIII 03 20 33 36.9 36.21N 141.81E 18 5.8W,5.7b
JMA VIII 03 20 33 36.9–.04 36.2N–.20 141.8E–.30 18–1 6.0,5.8W
BGR VIII 03 20 33 37.3 36.91N 142.13E 10 6.0s,5.8b
GFZ VIII 03 20 33 39.1–.09 36N–2.0 142E–2.0 33 6.2b,5.9
KEA VIII 03 20 33 40.5 36.30N 141.75E 33 5.8s,5.9
GCMT VIII 03 20 33 40.3–.10 36.15N 141.82E 22–0 5.8W,5.9
NEIC VIII 03 20 33 42.3 36.09N 142.11E 22 5.8,5.9
ISC Event type ke.
ISC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s228.00000°,δ19.00000°,λ113.00000°. NP2:ϕ_s23.00000°,δ73.00000°,λ82.00000°.
NEIC Event type se.
MOS Error ellipse: s-maj=5.9km s-min=3.3km az=115.7.
IDC Error ellipse: s-maj=8.5km s-min=7.6km az=129.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.6km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.64 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$-2.32 $M_{r\theta}$1.97 $M_{\theta\phi}$-2.60 $M_{\phi r}$4.18 NP1:ϕ_s27.90000°,δ69.80000°,λ80.15000°. NP2:ϕ_s234.58000°,δ22.38000°,λ114.93000°. Principal axes: T 5.8439,Plg64.0000°,Azm282.0000°; N 0.6428,Plg9.0000°,Azm31.0000°; P -6.4867,Plg24.0000°,Azm126.0000° M_o6.19000×10^{17}
ISC-P Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}0.44±.18 $M_{\theta\theta}$-0.19±.25; $M_{\phi\phi}$0.29±.21; $M_{r\theta}$0.21±.14; $M_{\theta\phi}$0.47±.14; $M_{\phi r}$-0.28±.15; NP1:ϕ_s31.70000°,δ76.40000°,λ58.90000°. NP2:ϕ_s280.40000°,δ33.70000°,λ154.90000°. M_o8.61000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.42 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-3.59 $M_{r\theta}$1.48 $M_{\theta\phi}$-1.57 $M_{\phi r}$4.61 NP1:ϕ_s202.64102°,δ19.07788°,λ94.33915°. NP2:ϕ_s18.05074°,δ70.97891°,λ88.50108°. Principal axes: T 5.7832,Plg63.9912°,Azm285.6333°; N 0.7353,Plg1.4171°,Azm18.5394°; P -6.5185,Plg25.9643°,Azm109.2296° M_o6.18374×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.32 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-2.87 $M_{r\theta}$1.24 $M_{\theta\phi}$-2.30 $M_{\phi r}$5.01 NP1:ϕ_s232.00000°,δ19.00000°,λ128.00000°. NP2:ϕ_s13.00000°,δ75.00000°,λ78.00000°. M_o6.10000×10^{17}
JMA Event type fe. FAR E OFF IBARAKI PREF .
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108032033A. Moment Tensor Solution. s145,c324; s166,c535;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.90±.05 $M_{\theta\theta}$-0.55±.03; $M_{\phi\phi}$-4.35±.04; $M_{r\theta}$1.59±.07; $M_{\theta\phi}$-1.86±.03; $M_{\phi r}$5.33±.09; Best double couple: NP1:ϕ_s207.00000°,δ21.00000°,λ98.00000°. NP2:ϕ_s18.00000°,δ69.00000°,λ87.00000°. Principal axes: T 7.3920,Plg66.0000°,Azm283.0000°; N 0.1850,Plg3.0000°,Azm19.0000°; P -7.5730,Plg24.0000°,Azm110.0000° M_o7.48200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}3.38 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-3.45 $M_{r\theta}$1.98 $M_{\theta\phi}$-0.85 $M_{\phi r}$4.43 NP1:ϕ_s182.80000°,δ18.74000°,λ71.71000°. NP2:ϕ_s22.04000°,δ72.24000°,λ96.08000°. Principal axes: T 5.9089,Plg62.0000°,Azm301.0000°; N 0.1646,Plg6.0000°,Azm200.0000°; P -6.0734,Plg27.0000°,Azm107.0000° M_o5.99000×10^{17}
ISC VIII 04 01 04 04.3–.63 36.15N–.07 141.79E–.08 23 4.0b,3.5s 49 1-147
IDC VIII 04 01 04 00.9–.68 36.21N 141.88E 0 3.9b,3.9 **¶620997262**
NEIC VIII 04 01 04 03.4–.82 36.16N–.06 141.96E–.06 20–5 4.3b,3.9
NIED VIII 04 01 04 04.0 36.25N 141.81E 4 4.0W,3.9
JMA VIII 04 01 04 04.0–.20 36.3N–.20 141.8E–.30 4–1 3.9,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.80 $M_{\theta\theta}$1.39 $M_{\phi\phi}$-5.19 $M_{r\theta}$3.46 $M_{\theta\phi}$-2.13 $M_{\phi r}$7.48 NP1:ϕ_s181.00000°,δ16.00000°,λ66.00000°. NP2:ϕ_s25.00000°,δ75.00000°,λ97.00000°. M_o9.56000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 04 01 09 56.5–.63 36.17N–.05 141.97E–.06 23 4.0b 53 1-84
IDC VIII 04 01 09 57.1–1.0 36.67N 141.82E 0 3.8b,3.8 **¶620965865**
NIED VIII 04 01 09 58.0 36.26N 141.81E 4 3.8W,3.8
JMA VIII 04 01 09 58.0–.22 36.3N–.20 141.8E–.30 4–1 3.9,3.8
NEIC VIII 04 01 09 58.0–.82 36.23N–.06 142.0E–.10 31–3 4.3b,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.92 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-2.84 $M_{r\theta}$2.29 $M_{\theta\phi}$-1.24 $M_{\phi r}$4.24 NP1:ϕ_s173.00000°,δ16.00000°,λ55.00000°. NP2:ϕ_s29.00000°,δ77.00000°,λ99.00000°. M_o5.49000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 04 00 53 34.4–.66 36.22N–.06 141.99E–.08 10 4.1b,3.1s 59 1-147
NEIC VIII 04 00 53 32.9–1.6 36.08N–.07 142.22E–.05 10–1 4.4b,3.1s **¶626289224**
IDC VIII 04 00 53 34.9–.80 36.37N 141.88E 0 3.9b,3.9
NIED VIII 04 00 53 38.2 36.25N 141.79E 22 3.9W,3.9
JMA VIII 04 00 53 38.2–.05 36.3N–.20 141.8E–.30 22–1 3.8,3.9

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.84 $M_{\theta\theta}$1.10 $M_{\phi\phi}$-2.94 $M_{r\theta}$2.67 $M_{\theta\phi}$-1.89 $M_{\phi r}$6.66 NP1:ϕ_s201.00000°,δ11.00000°,λ89.00000°. NP2:ϕ_s22.00000° ,δ79.00000°,λ90.00000°. M_o7.69000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC	**VIII**	**04 02 56 25.1–.71**	**36.21N–.03**	**141.93E–.04**	**17–4**	**5.0b,4.5s**	**1068**	**1-154**
IDC	VIII	04 02 56 23.2–.40	36.22N	141.89E	0	4.8b,4.8		**¶626289340**
MOS	VIII	04 02 56 23.9–.90	36.35N	141.90E	14	5.3b,4.8s		
NEIC	VIII	04 02 56 24.9–.90	36.24N–.06	141.99E–.07	13–3	5.0b,4.8		
BJI	VIII	04 02 56 24.1	36.35N	141.59E	10	5.1b,5.0b		
NIED	VIII	04 02 56 26.9	36.26N	141.84E	18	4.8W,5.0b		
JMA	VIII	04 02 56 26.9–.03	36.3N–.20	141.8E–.20	18–1	5.1,4.8W		
GFZ	VIII	04 02 56 27.3–1.0	36N–3.0	142E–3.0	24–6	5.1b,5.0		
GCMT	VIII	04 02 56 30.5–.40	36.24N–.03	141.97E–.03	28–1	4.9W,5.0		
BGR	VIII	04 02 56 32.8	36.79N	141.63E	33	5.0b,4.5s		

ISC Event type ke.
IDC Error ellipse: s-maj=10.1km s-min=8.9km az=106.0.
MOS Error ellipse: s-maj=6.7km s-min=3.7km az=121.4.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.9km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.69 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.71 $M_{\phi r}$1.21 NP1:ϕ_s226.00000°,δ21.00000°,λ119.00000°. NP2:ϕ_s15.00000° ,δ72.00000°,λ80.00000°. M_o1.61000×10^{16}
JMA Event type fe. FAR E OFF IBARAKI PREF .
GFZ Error ellipse: s-maj=7.5km s-min=4.5km az=123.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108040256A. Moment Tensor Solution. s37,c48; s94,c138; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.99±.13 $M_{\theta\theta}$-0.38±.08; $M_{\phi\phi}$-1.61±.08; $M_{r\theta}$0.53±.13; $M_{\theta\phi}$-0.86±.05; $M_{\phi r}$1.99±.13; Best double couple: NP1:ϕ_s216.00000°,δ23.00000° ,λ106.00000°. NP2:ϕ_s19.00000°,δ68.00000°,λ83.00000°. Principal axes: T 2.8790,Plg66.0000°,Azm276.0000°; N 0.0150,Plg6.0000°,Azm21.0000° ; P -2.8950,Plg23.0000°,Azm114.0000° M_o2.88700×10^{16}
BGR Event type ke.

ISC	**VIII**	**04 01 12 05.2–1.2**	**36.31N–.06**	**141.9E–.10**	**19**	**3.8b**	**27**	**1-59**
IDC	VIII	04 01 12 02.2–1.6	36.42N	142.03E	0	3.8,3.7b		**¶620997264**
NIED	VIII	04 01 12 06.8	36.29N	141.74E	22	3.7W,3.7b		
NEIC	VIII	04 01 12 06.9–1.3	36.28N–.08	141.95E–.03	36–12	4.2b,3.7b		
JMA	VIII	04 01 12 06.8–.05	36.3N–.20	141.7E–.30	22–1	3.6,3.7b		

ISC Event type ke.
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.55 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$-1.37 $M_{r\theta}$0.35 $M_{\theta\phi}$-1.50 $M_{\phi r}$2.97 NP1:ϕ_s245.00000°,δ24.00000°,λ142.00000°. NP2:ϕ_s10.00000° ,δ75.00000°,λ70.00000°. M_o3.64000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC	**VIII**	**03 21 37 03.7–1.2**	**36.5N–.20**	**141.77E–.09**	**19**	**3.7b**	**11**	**1-147**
IDC	VIII	03 21 37 00.6–1.2	36.63N	141.88E	0	3.6b,3.5		**¶626288955**
JMA	VIII	03 21 37 01.6–.16	36.2N–.20	141.9E–.20	7–1	3.7,3.5		

ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC	**VIII**	**04 03 05 39.7–1.6**	**36.27N–.06**	**141.89E–.07**	**24–10**	**4.3b**	**87**	**1-147**
IDC	VIII	04 03 05 36.2–.51	36.27N	141.88E	0	4.1b,4.1		**¶626289353**
NEIC	VIII	04 03 05 37.4–1.9	36.26N–.06	142.1E–.10	10–1	4.8b,4.1		
JMA	VIII	04 03 05 39.9–.03	36.3N–.20	141.9E–.20	19–1	4.2,4.0		
NIED	VIII	04 03 05 39.9	36.25N	141.85E	19	4.1W,4.0		

ISC Event type ke.
IDC Error ellipse: s-maj=11.8km s-min=11.0km az=99.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.6km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.55 $M_{\theta\theta}$0.42 $M_{\phi\phi}$-0.97 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.35 $M_{\phi r}$1.00 NP1:ϕ_s163.00000°,δ23.00000°,λ45.00000°. NP2:ϕ_s30.00000° ,δ74.00000°,λ107.00000°. M_o1.41000×10^{15}

ISC	**VIII**	**04 01 56 47.3–.73**	**36.24N–.06**	**141.90E–.07**	**10**	**4.0b,3.4s**	**44**	**1-147**
NEIC	VIII	04 01 56 45.5–1.1	36.17N–.06	142.1E–.10	10–1	4.3b,3.4s		**¶620997273**
IDC	VIII	04 01 56 46.7–.89	36.30N	141.83E	0	3.8b,3.8		
NIED	VIII	04 01 56 50.3	36.17N	141.74E	22	3.9W,3.8		
JMA	VIII	04 01 56 50.3–.05	36.2N–.20	141.7E–.30	22–1	3.7,3.8		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.61 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$-2.15 $M_{r\theta}$2.03 $M_{\theta\phi}$-3.56 $M_{\phi r}$6.26 NP1:ϕ_s253.00000°,δ22.00000°,λ144.00000°. NP2:ϕ_s17.00000° ,δ77.00000°,λ72.00000°. M_o7.74000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC	**VIII**	**04 05 02 51.1–.60**	**36.04N–.06**	**141.90E–.07**	**23**	**3.9b**	**50**	**1-147**
NEIC	VIII	04 05 02 52.1–2.0	36.12N–.07	142.0E–.10	31–8	4.1b		**¶626289504**
JMA	VIII	04 05 02 52.5–.04	36.2N–.20	141.8E–.20	17–1	3.8		
IDC	VIII	04 05 02 54.6–1.8	36.00N	141.74E	50–18	3.9,3.7L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.9km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=17.4km s-min=12.2km az=67.0.

ISC	**VIII**	**04 02 11 28.0–.77**	**36.31N–.06**	**141.82E–.09**	**19**	**3.8b,3.5s**	**46**	**1-75**
IDC	VIII	04 02 11 25.1–.91	36.33N	141.92E	0	3.8L,3.8		**¶626289304**
NEIC	VIII	04 02 11 28.8–.82	36.25N–.07	142.0E–.10	32–7	4.2b,3.8		
NIED	VIII	04 02 11 29.5	36.29N	141.74E	20	3.9W,3.8		
JMA	VIII	04 02 11 29.5–.04	36.3N–.20	141.7E–.30	20–1	3.9,3.8		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.36 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.75 $M_{r\theta}$0.57 $M_{\theta\phi}$-3.67 $M_{\phi r}$5.64 NP1:ϕ_s268.00000°,δ33.00000°,λ176.00000°. NP2:ϕ_s1.00000° ,δ88.00000°,λ57.00000°. M_o6.74000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .

JMA	**VIII**	**04 02 32 41.8–.05**	**36.3N–.20**	**141.9E–.30**	**22–1**			
								¶626469373

JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC	**VIII**	**04 02 32 49.6–.87**	**36.14N–.05**	**141.87E–.07**	**23**	**3.8b**	**33**	**1-75**
IDC	VIII	04 02 32 46.2–1.1	36.28N	142.09E	0	3.8b,3.8		**¶626289324**
NIED	VIII	04 02 32 50.4	36.26N	141.81E	4	3.6W,3.8		
JMA	VIII	04 02 32 50.4–.21	36.3N–.20	141.8E–.30	4–1	3.9,3.8		
NEIC	VIII	04 02 32 52.0–1.1	36.15N–.03	141.8E–.10	35–2	4.1b,3.8		

ISC Event type ke.
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.50 $M_{\theta\theta}$0.88 $M_{\phi\phi}$-2.38 $M_{r\theta}$0.96 $M_{\theta\phi}$-0.46 $M_{\phi r}$1.58 NP1:ϕ_s159.00000°,δ31.00000°,λ44.00000°. NP2:ϕ_s29.00000° ,δ69.00000°,λ114.00000°. M_o2.77000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**04 01 38 30.4–1.7**	**36.7N–.20**	**141.7E–.10**	**10**	**3.6b**	**8**	**1-57**
JMA	VIII	04 01 38 28.6–.22	36.2N–.20	141.8E–.30	5–1	3.4		**¶626289265**
IDC	VIII	04 01 38 28.4–2.0	36.87N	141.82E	0	4.0s,3.5b		

ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=37.6km s-min=28.5km az=8.0.

ISC	**VIII**	**04 01 44 38.2–.71**	**36.23N–.07**	**141.96E–.08**	**10**	**3.7b,3.3s**	**23**	**1-147**
IDC	VIII	04 01 44 37.0–.68	36.33N	142.04E	0	3.7,3.6L		**¶620997270**
JMA	VIII	04 01 44 42.0–.05	36.2N–.20	141.7E–.30	21–1	3.7,3.6L		
NIED	VIII	04 01 44 42.0	36.23N	141.74E	21	3.8W,3.6L		

ISC Event type ke.
IDC Error ellipse: s-maj=14.1km s-min=10.9km az=89.0.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.14 $M_{\theta\theta}$-3.71 $M_{\phi\phi}$1.58 $M_{r\theta}$-1.29 $M_{\theta\phi}$-3.28 $M_{\phi r}$2.78 NP1:ϕ_s282.00000°,δ62.00000°,λ149.00000°. NP2:ϕ_s27.00000° ,δ63.00000°,λ31.00000°. M_o5.52000×10^{14}

ISC	**VIII**	**04 08 13 20.4–.87**	**36.32N–.08**	**141.6E–.10**	**10**	**3.9b,3.5s**	**17**	**1-147**
IDC	VIII	04 08 13 19.0–.90	36.37N	141.72E	0	3.9,3.8b		**¶626289700**
JMA	VIII	04 08 13 21.4–.24	36.2N–.30	141.8E–.40	4–1	3.9,3.8b		
NIED	VIII	04 08 13 21.4	36.21N	141.84E	4	4.0W,3.8b		

ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=14.5km az=105.0.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.29 $M_{\theta\theta}$1.75 $M_{\phi\phi}$-7.04 $M_{r\theta}$3.34 $M_{\theta\phi}$-3.09 $M_{\phi r}$6.54 NP1:ϕ_s182.00000°,δ23.00000°,λ66.00000°. NP2:ϕ_s27.00000° ,δ69.00000°,λ99.00000°. M_o9.95000×10^{14}

ISC	**VIII**	**04 08 55 03.7–1.2**	**36.17N–.08**	**141.7E–.10**	**10**	**3.8b**	**16**	**1-147**
IDC	VIII	04 08 55 00.7–1.3	36.37N	142.08E	0	3.8b,3.7		**¶620997297**
NIED	VIII	04 08 55 05.9	36.19N	141.76E	21	3.7W,3.7		
JMA	VIII	04 08 55 05.9–.05	36.2N–.30	141.8E–.30	21–1	3.6,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.87 $M_{\theta\theta}$0.51 $M_{\phi\phi}$-1.38 $M_{r\theta}$1.86 $M_{\theta\phi}$-1.24 $M_{\phi r}$3.18 NP1:ϕ_s192.00000°,δ11.00000°,λ71.00000°. NP2:ϕ_s31.00000° ,δ79.00000°,λ94.00000°. M_o3.96000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC	**VIII**	**04 06 08 25.1–.51**	**36.23N–.05**	**141.87E–.05**	**31–2**	**4.6b,4.3s**	**158**	**1-147**
MOS	VIII	04 06 08 21.0–1.0	36.27N	142.00E	18	4.8b,4.3s		**¶620966428**
BJI	VIII	04 06 08 22.0	36.33N	141.59E	12	4.7b,4.6s		
JMA	VIII	04 06 08 23.2–.24	36.2N–.30	141.9E–.30	4–1	4.8,4.7		
NIED	VIII	04 06 08 23.2	36.21N	141.88E	4	4.6W,4.7		
IDC	VIII	04 06 08 26.8–1.5	36.19N	141.89E	47–13	4.3,4.2s		
NEIC	VIII	04 06 08 26.1–1.6	36.21N–.05	141.86E–.09	34–5	4.8b,4.2s		

ISC Event type ke.
JMA Event type fe. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.15 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-2.75 $M_{r\theta}$-0.23 $M_{\theta\phi}$-3.94 $M_{\phi r}$6.04 NP1:ϕ_s253.00000°,δ33.00000°,λ161.00000°. NP2:ϕ_s359.00000° ,δ80.00000°,λ59.00000°. M_o7.60000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**04 06 14 54.7–.49**	**36.20N–.05**	**141.85E–.05**	**10**	**4.6b,4.5s**	**149**	**1-147**
IDC	VIII	04 06 14 52.9–.53	36.13N	141.90E	0	4.4s,4.2b		**¶626289577**
BJI	VIII	04 06 14 52.2	36.24N	141.90E	9	5.0b,4.6s		
MOS	VIII	04 06 14 53.7–.93	36.20N	141.99E	20	4.7b,4.6s		
NEIC	VIII	04 06 14 54.9–1.6	36.18N–.06	141.98E–.10	10–1	4.8b,4.6s		
JMA	VIII	04 06 14 57.0–.06	36.2N–.30	141.8E–.40	17–2	4.7,4.4		
NIED	VIII	04 06 14 57.0	36.21N	141.84E	17	4.5W,4.4		

ISC Event type ke.
IDC Error ellipse: s-maj=12.0km s-min=9.2km az=102.0.
MOS Error ellipse: s-maj=11.0km s-min=6.3km az=120.6.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.3km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}6.08 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-6.20 $M_{r\theta}$0.12 $M_{\theta\phi}$-0.24 $M_{\phi r}$3.91 NP1:ϕ_s182.00000°,δ29.00000°,λ90.00000°. NP2:ϕ_s2.00000° ,δ61.00000°,λ90.00000°. M_o7.28000×10^{15}

JMA	**VIII**	**04 04 11 52.8–.05**	**36.1N–.30**	**142.0E–.20**	**15–1**			
								¶626465525

JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC	**VIII**	**04 09 03 17.9–1.0**	**36.51N–.10**	**141.63E–.08**	**26**	**4.3b**	**28**	**1-67**
IDC	VIII	04 09 03 08.5–6.3	36.12N	142.23E	0	3.8b,3.8		**¶620997298**
JMA	VIII	04 09 03 15.6–.05	36.2N–.20	141.7E–.30	22–1	3.5,3.8		
NIED	VIII	04 09 03 15.6	36.22N	141.71E	22	3.6W,3.8		
NEIC	VIII	04 09 03 22.1–.91	36.83N–.10	141.25E–.08	42–9	4.5b,3.8		

ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.55 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$-1.02 $M_{r\theta}$0.65 $M_{\theta\phi}$-1.21 $M_{\phi r}$2.26 NP1:ϕ_s242.00000°,δ23.00000°,λ130.00000°. NP2:ϕ_s20.00000° ,δ73.00000°,λ75.00000°. M_o2.97000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**04 09 26 41.0–.62**	**36.19N–.04**	**141.85E–.05**	**24–4**	**4.7b,4.1s**	**364**	**1-147**
IDC	VIII	04 09 26 38.0–.43	36.22N	141.86E	0	4.5,4.4b		**¶626289794**
MOS	VIII	04 09 26 38.5–.94	36.32N	141.83E	13	4.9b,4.0s		
NEIC	VIII	04 09 26 41.8–1.1	36.24N–.06	141.90E–.09	27–5	4.8b,4.0s		
BJI	VIII	04 09 26 41.0	36.33N	141.78E	33	4.8b,4.7b		
NIED	VIII	04 09 26 41.4	36.21N	141.87E	17	4.5W,4.7b		
JMA	VIII	04 09 26 41.4–.03	36.2N–.20	141.9E–.20	17–1	4.8,4.4		
GFZ	VIII	04 09 26 43.9–.27	36N–4.0	142E–4.0	30	4.8b,4.8		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.40 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-1.58 $M_{r\theta}$0.20 $M_{\theta\phi}$-3.92 $M_{\phi r}$4.33 NP1:ϕ_s260.00000°,δ38.00000°,λ156.00000°. NP2:ϕ_s9.00000° ,δ76.00000°,λ54.00000°. M_o6.19000×10^{15}
JMA Event type fe. FAR E OFF IBARAKI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**04 12 49 36.0–3.4**	**36.6N–.30**	**141.7E–.20**	**26**		**6**	**1-45**
JMA	VIII	04 12 49 34.8–.24	36.3N–.20	141.8E–.30	5–1	3.2		**¶620997307**
IDC	VIII	04 12 49 35.2–5.5	36.94N	141.59E	0	3.3b,3.3		

ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=87.0km s-min=34.0km az=144.0.

ISC	**VIII**	**04 04 40 25.7–.25**	**36.11N–.03**	**141.83E–.03**	**22–1**	**5.6b,5.3s**	**1702**	**1-158**
BJI	VIII	04 04 40 22.0	36.27N	141.64E	9	5.7s,5.7b		**¶620966419**
IDC	VIII	04 04 40 22.8–.34	36.18N	141.87E	0	5.1b,5.1		
IPGP	VIII	04 04 40 23.0	36.14N	141.97E	23	5.5W,5.1		
GFZ	VIII	04 04 40 24.8	36.12N	141.74E	16	5.3W,5.1		
NEIC	VIII	04 04 40 24.8	36.19N	141.85E	10	5.3W,5.1		
MOS	VIII	04 04 40 24.1–.94	36.22N	141.76E	16	5.8b,5.6s		
NEIC	VIII	04 04 40 25.4–1.3	36.18N–.06	141.86E–.07	14–1	5.7b,5.5		
NEIC	VIII	04 04 40 25.8	36.17N	141.77E	17	5.7b,5.5		
JMA	VIII	04 04 40 26.6–.05	36.2N–.30	141.8E–.30	21–1	5.7,5.4W		
NIED	VIII	04 04 40 26.6	36.16N	141.75E	21	5.4W,5.4W		
NEIC	VIII	04 04 40 26.1	35.97N	141.89E	16	5.4,5.4W		
KEA	VIII	04 04 40 27.1	36.23N	142.01E	33	5.2s,5.4W		
GFZ	VIII	04 04 40 27.0–.11	36N–2.0	142E–2.0	28–0	5.9b,5.5		
GCMT	VIII	04 04 40 29.7–.10	36.11N–.01	141.76E–.01	22–0	5.4W,5.5		
BGR	VIII	04 04 40 33.2	36.90N	141.56E	33	5.5b,5.3s		

ISC Event type ke.
IDC Error ellipse: s-maj=7.8km s-min=6.3km az=119.0.
IPGP Moment Tensor Solution. NP1:ϕ_s227.00000°,δ25.00000°,λ117.00000°. NP2:ϕ_s18.00000° ,δ68.00000°,λ78.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.75 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.64 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.75 NP1: ϕ_s201.62020°,δ21.41408°,λ89.47577°. NP2:ϕ_s22.18330°,δ68.58686°,λ90.20559°. Principal axes: T 1.1044,Plg66.4125°,Azm292.5466°; N -0.0121,Plg0.1914°,Azm202.1082° ; P -1.0923,Plg23.5866°,Azm112.0247° M_o1.09837×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=3.6km az=119.9.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.4km az=322.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.12 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-1.48 $M_{r\theta}$0.43 $M_{\theta\phi}$-0.65 $M_{\phi r}$1.20 NP1:ϕ_s19.89000°,δ66.19000°,λ92.33000°. NP2:ϕ_s194.14000°,δ23.92000° ,λ84.74000°. Principal axes: T 1.6136,Plg69.0000°,Azm294.0000°; N 0.5652,Plg2.0000° ,Azm199.0000°; P -2.1788,Plg21.0000°,Azm108.0000° M_o1.96000×10^{17}
NEIC Event type se.
JMA Event type fe. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.56 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.69 $M_{\phi r}$1.18 NP1:ϕ_s248.00000°,δ27.00000°,λ148.00000°. NP2:ϕ_s7.00000° ,δ76.00000°,λ67.00000°. M_o1.47000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.58 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.43 $M_{\phi r}$1.31 NP1:ϕ_s222.08000°,δ15.12000° ,λ108.23000°. NP2:ϕ_s23.24000°,δ75.66000°,λ85.17000°. Principal axes:

T 1.5661,Plg59.0000°,Azm287.0000°; N 0.1011,Plg5.0000°,Azm24.0000° ; P -1.6672,Plg30.0000°,Azm117.0000° $M_0$1.62000×10^{17}

GFZ Error ellipse: s-maj=4.0km s-min=2.9km az=125.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108040440A. Moment Tensor Solution. s128,c242; s151,c326;Duration: 1$_s$3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.23±.02 $M_{\theta\theta}$-0.31±.01; $M_{\phi\phi}$-0.92±.01; $M_{r\theta}$0.16±.02; $M_{\theta\phi}$-0.70±.01; $M_{\phi r}$1.08±.03; Best double couple: NP1: ϕ_s230.00000°,δ28.00000°,λ119.00000°. NP2:ϕ_s17.00000°,δ65.00000°,λ75.00000°. Principal axes: T 1.6870,Plg66.0000°,Azm261.0000°; N 0.0410,Plg13.0000°,Azm24.0000° ; P -1.7250,Plg19.0000°,Azm118.0000° $M_0$1.70600×10^{17}

BGR Event type ke.

ISC	**VIII**	**05 12 27 30.8–.93**	**36.18N–.06**	**141.88E–.07**	**23**	**3.8b**	**21**	**1-60**
IDC	VIII	05 12 27 27.4–1.0	36.16N	141.99E	0	3.8b,3.7		**¶620998805**
NIED	VIII	05 12 27 32.2	36.19N	141.80E	18	3.7W,3.7		
JMA	VIII	05 12 27 32.2–.04	36.2N–.20	141.8E–.20	18–1	3.6,3.7		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.98 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-2.24 $M_{r\theta}$1.22 $M_{\theta\phi}$-1.37 $M_{\phi r}$2.82 NP1:ϕ_s205.00000°,δ19.00000°,λ91.00000°. NP2:ϕ_s23.00000° ,δ71.00000°,λ90.00000°. $M_0$3.91000×10^{14}

JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC	**VIII**	**04 14 23 51.0–.62**	**36.49N–.05**	**141.47E–.06**	**10**	**4.2b,3.3s**	**59**	**1-87**
IDC	VIII	04 14 23 46.2–.86	36.24N	141.95E	0	3.9,3.8b		**¶626290172**
NIED	VIII	04 14 23 50.5	36.25N	141.75E	22	3.9W,3.8b		
JMA	VIII	04 14 23 50.5–.05	36.3N–.20	141.8E–.30	22–1	3.9,3.8b		
NEIC	VIII	04 14 23 56.4–.92	36.66N–.07	141.32E–.02	42–9	4.3b,3.8b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.64 $M_{\theta\theta}$1.72 $M_{\phi\phi}$-2.36 $M_{r\theta}$2.37 $M_{\theta\phi}$-1.28 $M_{\phi r}$6.77 NP1:ϕ_s179.00000°,δ7.00000°,λ69.00000°. NP2:ϕ_s20.00000° ,δ83.00000°,λ93.00000°. $M_0$7.37000×10^{14}

JMA Event type ke. FAR E OFF IBARAKI PREF .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**04 21 00 07.8–1.2**	**36.20N–.07**	**141.6E–.10**	**10**	**3.2b**	**10**	**3-47**
JMA	VIII	04 21 00 13.5–.04	36.2N–.20	141.8E–.30	20–1	3.2		**¶626290666**
IDC	VIII	04 21 00 14.1–3.6	36.37N	141.81E	75–22	3.5,2.9b		

ISC Event type ke.

JMA Event type ke. FAR E OFF IBARAKI PREF .

IDC Error ellipse: s-maj=57.1km s-min=21.3km az=109.0.

ISC	**VIII**	**04 10 28 29.0–.63**	**36.17N–.06**	**141.86E–.06**	**23**	**4.2b,4.0s**	**56**	**1-98**
BJI	VIII	04 10 28 22.6	36.24N	142.28E	10	4.8b,4.5b		**¶626289885**
NEIC	VIII	04 10 28 27.2–1.7	36.12N–.07	142.02E–.08	10–1	4.4b,4.5b		
IDC	VIII	04 10 28 27.3–.86	36.19N	141.83E	0	3.9,3.9s		
JMA	VIII	04 10 28 31.3–.05	36.2N–.20	141.7E–.30	24–1	4.5,4.1		
NIED	VIII	04 10 28 31.3	36.21N	141.70E	24	4.4W,4.1		

ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=11.9km s-min=11.2km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=17.6km s-min=13.3km az=95.0.

JMA Event type fe. FAR E OFF IBARAKI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.55 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-2.02 $M_{r\theta}$1.40 $M_{\theta\phi}$-1.50 $M_{\phi r}$3.63 NP1:ϕ_s216.00000°,δ15.00000°,λ105.00000°. NP2:ϕ_s21.00000° ,δ76.00000°,λ86.00000°. $M_0$4.44000×10^{15}

JMA	**VIII**	**04 10 29 43.4–.18**	**36.2N–.20**	**141.8E–.30**	**5–1**	**3.5**		
								¶626289887

JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC	**VIII**	**05 21 10 09.9–.53**	**36.13N–.06**	**141.78E–.06**	**23**	**4.2b,3.5s**	**63**	**1-92**
IDC	VIII	05 21 10 04.8–.88	36.24N	142.15E	0	3.9,3.8b		**¶620970697**
NIED	VIII	05 21 10 09.1	36.15N	141.90E	18	3.9W,3.8b		
JMA	VIII	05 21 10 09.1–.04	36.2N–.20	141.9E–.20	18–1	3.6,3.8b		
NEIC	VIII	05 21 10 12.8–1.4	36.27N–.07	141.59E–.07	35–2	4.5b,3.8b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.58 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-3.59 $M_{r\theta}$1.75 $M_{\theta\phi}$-4.32 $M_{\phi r}$4.47 NP1:ϕ_s239.00000°,δ28.00000°,λ128.00000°. NP2:ϕ_s18.00000° ,δ69.00000°,λ72.00000°. $M_0$7.04000×10^{14}

JMA Event type ke. FAR E OFF IBARAKI PREF .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**07 02 56 04.7–1.7**	**40.11N–.05**	**142.56E–.08**	**32–11**	**3.6b**	**28**	**1-72**
IDC	VIII	07 02 56 00.4–1.1	40.16N	142.73E	0	3.8,3.7b		**¶621000698**
NIED	VIII	07 02 56 06.3	40.10N	142.45E	38	3.8W,3.7b		
JMA	VIII	07 02 56 06.3–.07	40.1N–.20	142.5E–.30	38–0	3.9,3.7b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.93 $M_{\theta\theta}$0.51 $M_{\phi\phi}$-3.44 $M_{r\theta}$1.71 $M_{\theta\phi}$-0.28 $M_{\phi r}$3.38 NP1:ϕ_s165.00000°,δ24.00000°,λ55.00000°. NP2:ϕ_s22.00000° ,δ71.00000°,λ104.00000°. $M_0$4.97000×10^{14}

JMA Event type fe. NE OFF IWATE PREF .

ISC	**VIII**	**06 19 06 19.9–1.6**	**35.78N–.08**	**141.3E–.10**	**26**		**10**	**1-56**
IDC	VIII	06 19 06 14.8–2.6	35.99N	141.61E	0	3.4b,3.3		**¶620998920**
JMA	VIII	06 19 06 22.4–.09	35.8N–.40	141.0E–.30	33–1	2.6,3.3		

ISC Event type ke.

JMA Event type ke. NEAR CHOSHI CITY .

ISC	**VIII**	**06 16 30 50.1–.75**	**38.70N–.05**	**141.02E–.06**	**101–5**	**4.0b**	**55**	**0-72**
NEIC	VIII	06 16 30 50.2–1.2	38.66N–.09	141.2E–.10	109–10	4.5b		**¶620998912**
IDC	VIII	06 16 30 50.0–1.6	38.76N	141.13E	105–14	3.8,3.6b		
JMA	VIII	06 16 30 50.6–.08	38.7N–.20	140.9E–.30	95–0	3.3,3.6b		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type ke. NORTHERN MIYAGI PREF .

ISC	**VIII**	**07 00 58 05.8–.95**	**36.00N–.04**	**140.08E–.05**	**70–7**	**3.6b**	**27**	**0-51**
IDC	VIII	07 00 58 05.4–2.7	35.95N	140.15E	72–24	3.6,3.3b		**¶621000693**
JMA	VIII	07 00 58 06.2–.09	36.0N–.30	140.1E–.40	64–0	3.0,3.3b		

ISC Event type ke.

JMA Event type ke. SOUTHERN IBARAKI PREF .

ISC	**VIII**	**07 07 31 53.1–1.3**	**38.90N–.06**	**142.0E–.10**	**52–9**	**3.8b**	**25**	**0-63**
NIED	VIII	07 07 31 53.2	38.93N	141.93E	51	3.6W		**¶626292831**
JMA	VIII	07 07 31 53.2–.08	38.9N–.20	141.9E–.30	51–0	3.6		
IDC	VIII	07 07 31 55.0–3.0	38.95N	142.01E	78–23	3.7,3.5b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.62 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-1.60 $M_{r\theta}$0.79 $M_{\theta\phi}$-0.14 $M_{\phi r}$1.63 NP1:ϕ_s172.00000°,δ23.00000°,λ64.00000°. NP2:ϕ_s20.00000° ,δ70.00000°,λ100.00000°. $M_0$2.43000×10^{14}

JMA Event type fe. KINKAZAN REGION .

IDC Error ellipse: s-maj=39.6km s-min=19.3km az=78.0.

ISC	**VIII**	**07 11 27 29.3–1.5**	**36.32N–.09**	**141.4E–.10**	**35**	**3.5b**	**13**	**1-60**
IDC	VIII	07 11 27 23.4–1.8	36.43N	141.72E	0	3.4b,3.4		**¶621000719**
JMA	VIII	07 11 27 28.8–.06	36.3N–.20	141.4E–.30	40–0	3.2,3.4		

ISC Event type ke.

JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC	**VIII**	**07 20 55 43.8–2.4**	**36.33N–.10**	**141.7E–.20**	**65–15**	**3.3b**	**18**	**1-60**
JMA	VIII	07 20 55 51.1–.08	36.5N–.20	141.3E–.30	34–1	2.6		**¶621000740**
IDC	VIII	07 20 55 51.7–6.6	36.15N	141.10E	128–44	3.2,3.0b		

ISC Event type ke.

JMA Event type ke. E OFF IBARAKI PREF .

IDC Error ellipse: s-maj=80.2km s-min=28.8km az=65.0.

ISC	**VIII**	**09 14 41 53.7–1.0**	**37.84N–.05**	**141.17E–.07**	**84–7**	**3.5b**	**37**	**0-58**
IDC	VIII	09 14 41 49.5–5.5	37.99N	141.75E	72–40	3.6,3.4b		**¶621007269**
JMA	VIII	09 14 41 54.3–.07	37.8N–.20	141.1E–.30	84–0	3.8,3.4b		

ISC Event type ke.

JMA Event type fe. E OFF FUKUSHIMA PREF .

ISC	**VIII**	**08 09 18 41.3–1.9**	**37.58N–.05**	**141.78E–.09**	**27–12**	**3.5b**	**27**	**1-61**
IDC	VIII	08 09 18 37.0–1.2	37.50N	142.01E	0	3.8,3.6b		**¶621002122**
NIED	VIII	08 09 18 44.3	37.60N	141.51E	49	3.7W,3.6b		
JMA	VIII	08 09 18 44.3–.07	37.6N–.20	141.5E–.20	49–0	3.7,3.6b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.11 $M_{\theta\theta}$1.28 $M_{\phi\phi}$-1.39 $M_{r\theta}$2.31 $M_{\theta\phi}$0.29 $M_{\phi r}$2.85 NP1:ϕ_s130.00000°,δ20.00000°,λ2.00000°. NP2:ϕ_s38.00000° ,δ89.00000°,λ110.00000°. $M_0$3.92000×10^{14}

JMA Event type fe. E OFF FUKUSHIMA PREF .

ISC	**VIII**	**13 05 36 29.7–.62**	**36.91N–.05**	**141.50E–.05**	**10**	**4.8s,4.2b**	**53**	**1-90**
NEIC	VIII	13 05 36 28.5–2.3	36.71N–.03	141.8E–.10	12–5	4.5b,4.2b		**¶626296370**
IDC	VIII	13 05 36 28.1–.72	36.93N	141.52E	0	4.8s,3.9b		
NIED	VIII	13 05 36 30.3	36.94N	141.40E	11	4.2W,3.9b		
JMA	VIII	13 05 36 30.3–.06	36.9N–.20	141.4E–.30	11–1	4.6,4.6		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.50 $M_{\theta\theta}$-1.45 $M_{\phi\phi}$1.95 $M_{r\theta}$0.57 $M_{\theta\phi}$1.36 $M_{\phi r}$0.48 NP1:ϕ_s334.00000°,δ71.00000°,λ-178.00000°. NP2:ϕ_s243.00000° ,δ88.00000°,λ-19.00000°. $M_0$2.29000×10^{15}

JMA Event type fe. E OFF FUKUSHIMA PREF .

ISC	**VIII**	**10 09 39 38.0–1.2**	**40.35N–.03**	**141.13E–.05**	**5–10**	**3.8b**	**24**	**0-64**
IDC	VIII	10 09 39 37.0–1.2	40.31N	140.98E	0	3.7b,3.5		**¶621008108**
JMA	VIII	10 09 39 39.4–.06	40.4N–.20	141.3E–.20	10–0	3.3,3.5		

ISC Event type ke.

JMA Event type fe. EASTERN AOMORI PREF .

ISC	**VIII**	**12 11 36 10.5–.61**	**34.97N–.04**	**140.34E–.05**	**70–5**	**4.5b**	**157**	**0-148**
GFZ	VIII	12 11 36 09.2–.26	35N–3.0	141E–3.0	75	4.8b,4.8		**¶620984153**
NIED	VIII	12 11 36 10.6	34.97N	140.34E	73	4.2W,4.8		
JMA	VIII	12 11 36 10.6–.13	35.0N–.40	140.3E–.50	73–1	4.2,4.1		
NEIC	VIII	12 11 36 11.2–2.0	34.93N–.02	140.34E–.09	67–7	4.6b,4.1		
IDC	VIII	12 11 36 12.0–.98	34.88N	140.15E	80–8	4.3,4.0b		

ISC Event type ke.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.60 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-1.06 $M_{r\theta}$-1.17 $M_{\theta\phi}$-0.29 $M_{\phi r}$-1.20 NP1:ϕ_s336.00000°,δ24.00000°,λ26.00000°. NP2:ϕ_s222.00000° ,δ80.00000°,λ112.00000°. $M_0$1.93000×10^{15}

JMA Event type fe. SE OFF BOSO PENINSULA .

NEIC Event type se. Error ellipse: s-maj=10.8km s-min=2.8km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=14.2km s-min=5.9km az=72.0.

ISC	**VIII**	**09 16 15 09.5–.80**	**36.44N–.05**	**141.34E–.06**	**37–1**	**4.0b**	**59**	**1-76**
NEIC	VIII	09 16 15 09.5–.94	36.47N–.05	141.4E–.10	37–6	4.4b		**¶621007272**
NIED	VIII	09 16 15 09.3	36.44N	141.25E	37	3.8W		
JMA	VIII	09 16 15 09.3–.12	36.4N–.30	141.3E–.50	37–1	3.9		
IDC	VIII	09 16 15 10.6–2.2	36.39N	141.28E	44–20	3.8,3.5b		

ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.3km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.03 $M_{\theta\theta}$1.08 $M_{\phi\phi}$-1.05 $M_{r\theta}$4.17 $M_{\theta\phi}$3.20 $M_{\phi r}$1.40 NP1:ϕ_s1.00000°,δ39.00000°,λ178.00000°. NP2:ϕ_s92.00000° ,δ89.00000°,λ51.00000°. $M_0$5.26000×10^{14}

JMA Event type fe. E OFF IBARAKI PREF .

IDC Error ellipse: s-maj=20.1km s-min=11.8km az=75.0.

ISC	**VIII**	**13 00 48 50.3–1.1**	**36.58N–.05**	**141.00E–.07**	**41–10**	**4.2b**	**42**	**0-49**
IDC	VIII	13 00 48 45.3–1.2	36.65N	141.03E	0	4.0b,4.0		**¶621011953**
NEIC	VIII	13 00 48 50.3–1.9	36.57N–.06	141.1E–.10	35–2	4.5b,4.0		
JMA	VIII	13 00 48 50.5–.09	36.6N–.20	140.9E–.30	49–1	3.8,4.0		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. E OFF IBARAKI PREF .

ISC	**VIII**	**14 08 33 00.9–2.2**	**36.99N–.06**	**141.38E–.09**	**11–13**	**3.4b**	**16**	**0-61**
NIED	VIII	14 08 33 00.4	36.94N	141.40E	11	3.7W		**¶621024192**
JMA	VIII	14 08 33 00.4–.04	36.9N–.20	141.4E–.30	11–0	4.0,4.0		
IDC	VIII	14 08 33 08.7–5.1	38.62N	136.82E	134–39	3.3,2.9b		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.58 $M_{\theta\theta}$-2.72 $M_{\phi\phi}$3.31 $M_{r\theta}$-0.87 $M_{\theta\phi}$-0.21 $M_{\phi r}$1.80 NP1:ϕ_s45.00000°,δ58.00000°,λ0.00000°. NP2:ϕ_s135.00000° ,δ90.00000°,λ-148.00000°. $M_0$3.56000×10^{14}

JMA Event type fe. E OFF FUKUSHIMA PREF .

IDC Error ellipse: s-maj=72.2km s-min=24.5km az=109.0.

ISC	**VIII**	**16 20 50 13.0–.81**	**36.20N–.06**	**140.13E–.06**	**76–7**	**3.7b**	**25**	**0-75**
JMA	VIII	16 20 50 13.7–.09	36.2N–.30	140.2E–.40	71–0	3.3		**¶626339050**
IDC	VIII	16 20 50 13.5–1.7	36.17N	140.00E	77–15	3.7,3.3b		

ISC Event type ke.

JMA Event type fe. SW IBARAKI PREF .

IDC Error ellipse: s-maj=22.1km s-min=8.8km az=60.0.

ISC	**VIII**	**20 20 54 16.3–.80**	**35.66N–.04**	**140.23E–.04**	**68–8**	**4.1b**	**75**	**0-82**
NEIC	VIII	20 20 54 14.7–1.7	35.68N–.05	140.40E–.08	48–6	4.4b		**¶621024197**
IDC	VIII	20 20 54 15.3–2.3	35.57N	140.34E	59–18	3.8,3.5b		
NIED	VIII	20 20 54 17.5	35.65N	140.06E	70	3.7W,3.5b		
JMA	VIII	20 20 54 17.5–.17	35.7N–.40	140.1E–.60	70–1	3.5,3.5b		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.65 $M_{\theta\theta}$0.13 $M_{\phi\phi}$-2.78 $M_{r\theta}$1.04 $M_{\theta\phi}$0.08 $M_{\phi r}$2.23 NP1:ϕ_s163.00000°,δ27.00000°,λ60.00000°. NP2:ϕ_s15.00000° ,δ67.00000°,λ104.00000°. $M_0$3.66000×10^{14}

JMA Event type fe. CENTRAL CHIBA PREF .

ISC	**VIII**	**16 23 56 15.4–1.4**	**38.89N–.06**	**142.0E–.10**	**50–8**	**4.4s,4.2b**	**31**	**0-78**
JMA	VIII	16 23 56 16.1–.08	38.9N–.20	141.9E–.30	51–0	4.0,3.9		**¶621030216**
IDC	VIII	16 23 56 24.9–2.6	38.69N	141.30E	121–19	4.3s,4.1		

ISC Event type ke.

JMA Event type fe. KINKAZAN REGION .

IDC Error ellipse: s-maj=37.8km s-min=21.1km az=89.0.

ISC	**VIII**	**26 20 46 07.2–.50**	**36.41N–.04**	**141.14E–.05**	**33–2**	**4.7b,4.6s**	**227**	**0-147**
IDC	VIII	26 20 46 02.7–.52	36.46N	141.01E	0	4.6s,4.4b		**¶621008300**
NIED	VIII	26 20 46 07.1	36.41N	141.09E	41	4.5W,4.4b		
NEIC	VIII	26 20 46 07.7–1.6	36.45N–.05	141.12E–.09	34–4	4.8b,4.4b		
JMA	VIII	26 20 46 07.1–.10	36.4N–.20	141.1E–.30	41–1	4.6,4.5		
GFZ	VIII	26 20 46 09.5–.29	37N–5.0	141E–4.0	44	4.7b,4.7		

ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.51 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-1.77 $M_{r\theta}$3.14 $M_{\theta\phi}$-2.12 $M_{\phi r}$2.84 NP1:ϕ_s222.00000°,δ21.00000°,λ85.00000°. NP2:ϕ_s47.00000° ,δ69.00000°,λ92.00000°. $M_0$5.62000×10^{15}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. E OFF IBARAKI PREF .

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**23 01 43 17.6–1.8**	**38.98N–.07**	**142.4E–.10**	**58–13**	**3.9b**	**21**	**1-59**
IDC	VIII	23 01 43 09.6–1.2	39.17N	142.73E	0	3.8b,3.7		**¶621049186**
JMA	VIII	23 01 43 19.4–.07	39.0N–.20	142.2E–.20	57–0	3.9,3.7		

ISC Event type ke.

JMA Event type fe. E OFF IWATE PREF .

ISC	**VIII**	**25 07 14 02.7–.82**	**36.10N–.04**	**140.12E–.05**	**55–7**	**4.2b**	**67**	**0-92**
IDC	VIII	25 07 14 02.2–1.8	36.06N	140.20E	51–18	4.0,3.8L		**¶621003224**
NEIC	VIII	25 07 14 02.5–1.9	36.11N–.06	140.17E–.03	45–9	4.3b,3.8L		
NIED	VIII	25 07 14 03.1	36.17N	140.03E	54	3.9W,3.8L		
JMA	VIII	25 07 14 03.1–.06	36.2N–.20	140.0E–.20	54–0	3.9,3.8L		

ISC Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.93 $M_{\theta\theta}$-4.13 $M_{\phi\phi}$7.06 $M_{r\theta}$-3.02 $M_{\theta\phi}$3.66 $M_{\phi r}$0.57 NP1:ϕ_s157.00000°,δ65.00000°,λ-155.00000°. NP2:ϕ_s56.00000° ,δ68.00000°,λ-27.00000°. $M_0$7.75000×10^{14}

JMA Event type fe. SW IBARAKI PREF .

ISC	**VIII**	**22 18 55 04.3–.95**	**38.17N–.07**	**142.87E–.07**	**18**	**3.4b**	**16**	**1-62**
IDC	VIII	22 18 55 01.6–1.1	38.01N	143.08E	0	3.5,3.4b		**¶621024201**
JMA	VIII	22 18 55 05.7–.04	38.0N–.20	142.8E–.20	13–0	3.8,3.4b		
NIED	VIII	22 18 55 05.7	38.04N	142.76E	13	3.4W,3.4b		

ISC Event type ke.

IDC Error ellipse: s-maj=23.2km s-min=12.3km az=108.0.

JMA Event type ke. FAR E OFF MIYAGI PREF .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.94 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$1.04 $M_{r\theta}$0.51 $M_{\theta\phi}$-0.58 $M_{\phi r}$0.79 NP1:ϕ_s309.00000°,δ40.00000°,λ-141.00000°. NP2:ϕ_s187.00000° ,δ66.00000°,λ-57.00000°. $M_0$1.48000×10^{14}

ISC VIII 22 19 16 57.2–.55 40.15N–.03 141.41E–.05 95–5 4.3b 178 0-145
MOS VIII 22 19 16 56.0–.93 40.13N 141.42E 98 4.4b **¶620999698**
IDC VIII 22 19 16 56.4–1.2 40.14N 141.32E 88–11 4.2,3.9b
NIED VIII 22 19 16 58.0 40.14N 141.42E 95 4.1W,3.9b
JMA VIII 22 19 16 58.0–.08 40.1N–.20 141.4E–.40 95–0 4.0,4.0
NEIC VIII 22 19 16 58.6–1.8 40.19N–.06 141.33E–.09 98–6 4.4b,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.02 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-0.73 $M_{r\theta}$0.28 $M_{\theta\phi}$-0.72 $M_{\phi r}$-0.96 NP1:ϕ_s62.00000°,δ37.00000°,λ138.00000°. NP2:ϕ_s187.00000° ,δ66.00000°,λ61.00000°. M_o1.53000×10^{15}
JMA Event type fe. NORTHERN IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 18 19 49.9–1.6 37.70N–.06 141.8E–.10 58–11 3.8b 30 1-74
IDC VIII 20 18 19 40.5–1.1 37.91N 142.42E 0 3.7b,3.6 **¶621024196**
NIED VIII 20 18 19 51.2 37.73N 141.70E 54 3.7W,3.6
JMA VIII 20 18 19 51.2–.04 37.7N–.10 141.7E–.20 54–0 3.9,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.77 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$-2.22 $M_{r\theta}$1.66 $M_{\theta\phi}$-1.40 $M_{\phi r}$0.76 NP1:ϕ_s192.00000°,δ34.00000°,λ60.00000°. NP2:ϕ_s47.00000° ,δ61.00000°,λ109.00000°. M_o3.43000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC VIII 22 02 24 34.9–.25 37.61N–.03 141.74E–.04 57–1 5.3b,5.2s 1302 1-160
MOS VIII 22 02 24 32.1–.81 37.65N 141.73E 44 5.5b,5.2s **¶620999431**
BJI VIII 22 02 24 32.6 37.63N 141.55E 50 5.6b,5.2s
IDC VIII 22 02 24 35.7–.32 37.62N 141.60E 62–2 5.1,4.8b
JMA VIII 22 02 24 35.4–.05 37.6N–.10 141.6E–.20 60–0 5.6,5.1
NEIC VIII 22 02 24 35.2–2.2 37.58N–.06 141.78E–.09 57–4 5.3b,5.1
GFZ VIII 22 02 24 35.1–.26 38N–2.0 142E–2.0 54–2 5.5,5.2b
BGR VIII 22 02 24 36.3 37.66N 141.94E 68–1 5.1b,5.2b
ISC Event type ke.
MOS Error ellipse: s-maj=6.0km s-min=3.6km az=106.8.
IDC Error ellipse: s-maj=8.2km s-min=7.9km az=88.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.5km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=5.2km s-min=3.6km az=114.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
ISC VIII 26 20 49 06.1–.29 36.41N–.03 141.22E–.03 38–1 5.1b,4.6s 926 1-153
BJI VIII 26 20 48 59.8 36.33N 141.48E 27 5.1b,4.9b **¶621008299**
IDC VIII 26 20 49 01.4–.39 36.47N 141.03E 0 4.7b,4.7
MOS VIII 26 20 49 02.7–.97 36.45N 141.18E 23 5.2b,4.7s
NEIC VIII 26 20 49 04.8–2.2 36.44N–.05 141.28E–.09 26–4 5.2b,5.0
NIED VIII 26 20 49 05.9 36.42N 141.10E 40 5.0W,5.0
JMA VIII 26 20 49 05.9–.09 36.4N–.20 141.1E–.30 40–1 5.1,5.1W
BGR VIII 26 20 49 06.9 36.71N 141.78E 44–1 5.1b,4.7s
GFZ VIII 26 20 49 08.3–.20 36N–3.0 141E–3.0 46–1 5.0,5.0b
GCMT VIII 26 20 49 10.1–.20 36.37N–.01 141.09E–.02 38–0 5.1W,5.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.39 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$-1.62 $M_{r\theta}$0.61 $M_{\theta\phi}$-2.56 $M_{\phi r}$2.48 NP1:ϕ_s249.00000°,δ33.00000°,λ136.00000°. NP2:ϕ_s18.00000° ,δ68.00000°,λ65.00000°. M_o4.11000×10^{16}
JMA Event type fe. E OFF IBARAKI PREF .
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108262049A. Moment Tensor Solution. s65,c87; s123,c208; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.20 $M_{\theta\theta}$-0.78±.14; $M_{\phi\phi}$-2.53±.13; $M_{r\theta}$0.90±.13; $M_{\theta\phi}$-3.77±.08; $M_{\phi r}$2.91±.12; Best double couple: NP1:ϕ_s246.00000°,δ35.00000° ,λ132.00000°. NP2:ϕ_s18.00000°,δ65.00000°,λ65.00000°. Principal axes: T 4.6140,Plg62.0000°,Azm250.0000°; N 1.7590,Plg22.0000°,Azm29.0000° ; P -6.3680,Plg17.0000°,Azm126.0000° M_o5.49100×10^{16}
ISC VIII 27 00 49 03.3–1.0 36.45N–.05 141.08E–.09 39–3 3.6b 25 0-69
IDC VIII 27 00 48 57.8–1.1 36.52N 141.18E 0 3.7b,3.6 **¶626305585**
JMA VIII 27 00 49 02.9–.09 36.4N–.20 141.1E–.30 40–1 3.7,3.6
NIED VIII 27 00 49 02.9 36.44N 141.09E 40 3.6W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=15.1km az=93.0.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.54 $M_{\theta\theta}$-2.17 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.80 $M_{\theta\phi}$-1.03 $M_{\phi r}$1.54 NP1:ϕ_s263.00000°,δ34.00000°,λ121.00000°. NP2:ϕ_s47.00000° ,δ62.00000°,λ71.00000°. M_o3.11000×10^{14}
ISC VIII 28 20 15 06.9–.88 36.67N–.05 140.11E–.07 129–6 3.6b 31 0-148
IDC VIII 28 20 15 03.7–1.6 36.80N 140.48E 103–13 3.6,3.3b **¶621073131**
JMA VIII 28 20 15 08.7–.10 36.7N–.30 140.1E–.50 115–0 3.4,3.3b
ISC Event type ke.
JMA Event type fe. NORTHERN TOCHIGI PREF .
ISC VIII 29 18 57 08.5–.74 35.35N–.05 141.40E–.07 10 3.7b 25 1-76
IDC VIII 29 18 57 07.8–.78 35.40N 141.54E 0 3.8b,3.8 **¶621073200**
JMA VIII 29 18 57 12.6–.06 35.4N–.20 141.2E–.30 12–1 3.2,3.8
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC IX 01 19 17 06.9–.35 37.72N–.04 141.68E–.04 61–2 4.6b 469 1-146
BGR IX 01 19 17 03.7 37.40N 141.75E 33 4.9b **¶621014007**
MOS IX 01 19 17 06.6–.94 37.93N 141.57E 60 4.9b
NIED IX 01 19 17 07.0 37.70N 141.62E 59 4.4W
JMA IX 01 19 17 07.0–.05 37.7N–.10 141.6E–.20 59–0 4.9,4.6
NEIC IX 01 19 17 07.4–1.7 37.72N–.06 141.7E–.10 65–5 4.6b,4.6
IDC IX 01 19 17 07.5–.40 37.70N 141.58E 61–3 4.4,4.1b
GFZ IX 01 19 17 08.4–.22 38N–3.0 142E–4.0 62 4.7b,4.6
ISC Event type ke.
BGR Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.23 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$-3.99 $M_{r\theta}$0.27 $M_{\theta\phi}$1.56 $M_{\phi r}$0.94 NP1:ϕ_s150.00000°,δ41.00000°,λ81.00000°. NP2:ϕ_s342.00000° ,δ50.00000°,λ98.00000°. M_o5.05000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC IX 01 11 12 05.3–1.2 38.93N–.05 141.86E–.08 78–7 31 0-63
IDC IX 01 11 12 05.7–3.4 39.06N 141.87E 90–40 3.6s,3.4 **¶621080619**
JMA IX 01 11 12 06.3–.08 38.9N–.20 141.7E–.30 76–0 3.4,3.4
ISC Event type ke.
JMA Event type fe. NORTHERN MIYAGI PREF .
ISC VIII 30 14 08 48.4–.89 34.36N–.04 140.26E–.05 83–7 3.6b 36 0-58
JMA VIII 30 14 08 48.2–.09 34.4N–.20 140.3E–.30 78–0 3.5 **¶621076526**
IDC VIII 30 14 08 48.2–2.8 34.32N 140.29E 84–15 3.7,3.3b
ISC Event type ke.
JMA Event type ke. FAR S OFF BOSO PENINSULA.
IDC Error ellipse: s-maj=49.7km s-min=7.5km az=75.0.
ISC IX 01 08 16 41.4–1.1 37.67N–.05 141.77E–.07 54–9 4.1b 88 1-147
NIED IX 01 08 16 41.7 37.69N 141.66E 53 4.1W **¶621012719**
NEIC IX 01 08 16 41.8–1.4 37.69N–.07 141.85E–.09 56–6 4.3b
JMA IX 01 08 16 41.7–.05 37.7N–.10 141.7E–.20 53–0 4.4,4.2
IDC IX 01 08 16 42.2–1.7 37.69N 141.68E 61–15 4.5s,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.28 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$-0.13 $M_{r\theta}$-0.86 $M_{\theta\phi}$-0.04 $M_{\phi r}$-0.61 NP1:ϕ_s100.00000°,δ28.00000°,λ118.00000°. NP2:ϕ_s248.00000° ,δ66.00000°,λ76.00000°. M_o1.60000×10^{15}
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.7km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=14.6km s-min=12.8km az=111.0.
ISC IX 02 04 44 13.8–.92 36.17N–.05 140.42E–.06 69–6 3.6b 22 0-60
JMA IX 02 04 44 14.3–.09 36.2N–.20 140.4E–.40 66–0 2.8 **¶621080659**
IDC IX 02 04 44 15.3–4.0 36.09N 140.36E 84–37 3.5,3.2b
ISC Event type ke.
JMA Event type ke. SOUTHERN IBARAKI PREF .
IDC Error ellipse: s-maj=39.0km s-min=22.0km az=99.0.
ISC IX 07 01 03 25.6–1.2 40.36N–.05 141.97E–.08 58–8 3.7b 23 0-44
IDC IX 07 01 03 12.0–3.5 39.54N 142.13E 0 3.7b,3.6L **¶621094294**
JMA IX 07 01 03 26.0–.09 40.4N–.30 142.0E–.30 52–0 3.3,3.6L
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
ISC IX 05 20 22 28.0–1.1 37.41N–.06 141.98E–.08 24 3.6b 20 1-61
IDC IX 05 20 22 24.5–1.1 37.26N 142.23E 0 4.4s,3.6 **¶626523947**
JMA IX 05 20 22 30.2–.07 37.4N–.20 141.9E–.30 42–0 3.3,3.6
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC IX 08 18 28 39.0–1.4 37.03N–.06 141.2E–.10 35 3.3b 18 0-61
IDC IX 08 18 28 33.5–1.8 37.28N 141.37E 0 3.5b,3.4 **¶621105789**
JMA IX 08 18 28 39.5–.05 37.0N–.20 141.1E–.20 27–0 3.6,3.4
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC IX 07 13 25 11.0–.51 35.46N–.05 141.39E–.06 35 4.2b,3.4s 106 1-147
NEIC IX 07 13 25 10.5–.49 35.36N–.02 141.39E–.10 35–2 4.5b,3.4s **¶621041444**
MOS IX 07 13 25 10.4–1.1 35.47N 141.36E 41 4.6b,3.4s
NIED IX 07 13 25 12.8 35.47N 141.04E 27 4.4W,3.4s
IDC IX 07 13 25 12.6–2.3 35.51N 141.05E 35–17 4.0,3.9b
JMA IX 07 13 25 12.8–.09 35.5N–.30 141.0E–.40 27–1 3.7,3.9b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.67 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-2.21 $M_{r\theta}$1.79 $M_{\theta\phi}$-0.36 $M_{\phi r}$2.92 NP1:ϕ_s183.00000°,δ19.00000°,λ67.00000°. NP2:ϕ_s27.00000° ,δ72.00000°,λ98.00000°. M_o4.21000×10^{15}
JMA Event type fe. NEAR CHOSHI CITY .
ISC IX 08 22 16 57.0–2.2 37.15N–.05 141.36E–.08 7–11 3.8b 38 0-83
IDC IX 08 22 16 55.4–2.2 36.97N 141.59E 0 3.8b,3.7 **¶621105798**
NEIC IX 08 22 16 55.9–1.4 37.1N–.10 141.6E–.20 7–9 4.2b,3.7
NIED IX 08 22 16 58.0 37.15N 141.30E 8 3.7W,3.7
JMA IX 08 22 16 58.0–.04 37.2N–.20 141.3E–.20 8–0 3.5,3.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.63 $M_{\theta\theta}$1.15 $M_{\phi\phi}$1.49 $M_{r\theta}$1.05 $M_{\theta\phi}$1.40 $M_{\phi r}$1.94 NP1:ϕ_s50.00000°,δ26.00000°,λ-75.00000°. NP2:ϕ_s213.00000° ,δ65.00000°,λ-97.00000°. M_o3.47000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC IX 10 13 42 43.6–.56 40.82N–.05 142.79E–.06 30 4.2b,3.3s 111 1-80
MOS IX 10 13 42 44.1–.79 40.82N 142.86E 54 4.5b,3.3s **¶621108521**
NIED IX 10 13 42 45.2 40.87N 142.73E 36 4.1W,3.3s
JMA IX 10 13 42 45.2–.11 40.9N–.30 142.7E–.40 36–1 3.8,3.3s
IDC IX 10 13 42 46.6–1.9 40.81N 142.79E 57–15 4.1,3.9b
NEIC IX 10 13 42 47.5–1.1 40.98N–.07 142.54E–.09 56–4 4.2b,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.02 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-1.13 $M_{r\theta}$0.87 $M_{\theta\phi}$-0.22 $M_{\phi r}$1.11 NP1:ϕ_s170.00000°,δ23.00000°,λ51.00000°. NP2:ϕ_s31.00000° ,δ72.00000°,λ105.00000°. M_o1.79000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 08 15 50.3–1.1 38.30N–.05 141.65E–.08 53–8 25 0-89
JMA IX 11 08 15 50.6–.09 38.3N–.30 141.6E–.40 56–0 3.6 **¶621108572**
IDC IX 11 08 15 58.0–5.4 38.34N 140.77E 131–54 3.4,3.1b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=91.2km s-min=29.7km az=91.0.
ISC IX 12 16 36 08.0–1.5 37.80N–.04 141.97E–.06 28–10 4.2b,3.2s 88 1-146
IDC IX 12 16 36 04.5–.61 37.85N 141.81E 0 4.0b,4.0 **¶621070696**
NIED IX 12 16 36 10.0 37.84N 141.83E 45 4.2W,4.0
NEIC IX 12 16 36 10.2–1.3 37.84N–.06 141.99E–.10 42–7 4.4b,4.0
JMA IX 12 16 36 10.0–.05 37.8N–.10 141.8E–.20 45–0 4.2,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-0.23 $M_{r\theta}$1.60 $M_{\theta\phi}$-0.85 $M_{\phi r}$0.22 NP1:ϕ_s196.00000°,δ26.00000°,λ30.00000°. NP2:ϕ_s79.00000° ,δ77.00000°,λ112.00000°. M_o1.93000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SE OFF MIYAGI PREF .
ISC IX 13 04 59 48.9–.97 39.33N–.04 142.17E–.07 49–7 4.3b 104 0-149
BJI IX 13 04 59 45.5 39.42N 142.85E 74 5.0b,4.6b **¶621070944**
NEIC IX 13 04 59 47.3–1.5 39.34N–.06 142.60E–.02 49–7 4.9b,4.6b
NIED IX 13 04 59 49.5 39.33N 142.08E 48 4.1W,4.6b
JMA IX 13 04 59 49.5–.08 39.3N–.20 142.1E–.30 48–0 4.1,4.0
IDC IX 13 04 59 53.0–2.0 39.35N 141.93E 81–17 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=2.1km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.07 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.10 $M_{\phi r}$0.94 NP1:ϕ_s187.00000°,δ21.00000°,λ74.00000°. NP2:ϕ_s24.00000° ,δ70.00000°,λ96.00000°. M_o1.43000×10^{15}
JMA Event type fe. E OFF IWATE PREF .
IDC Error ellipse: s-maj=17.8km s-min=11.6km az=101.0.
ISC IX 12 13 33 48.9–.90 35.63N–.04 140.12E–.05 69–7 3.8b 29 0-59
IDC IX 12 13 33 46.6–5.3 35.62N 140.41E 54–42 3.7,3.4b **¶621109657**
JMA IX 12 13 33 48.7–.14 35.7N–.30 140.1E–.50 69–1 3.4,3.4b
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
ISC IX 13 06 25 05.4–1.1 35.74N–.06 140.18E–.06 70 17 0-56
IDC IX 13 06 24 52.9–2.6 36.18N 141.18E 0 3.3b,3.3 **¶621109698**
JMA IX 13 06 25 06.0–.15 35.8N–.40 140.1E–.60 66–1 2.8,3.3
ISC Event type ke.
JMA Event type ke. NORTHERN CHIBA PREF .
ISC IX 13 06 37 21.7–.91 35.64N–.05 140.14E–.06 75–8 3.7b 26 0-59
IDC IX 13 06 37 09.7–2.0 35.97N 141.12E 0 3.8,3.6b **¶621109699**
JMA IX 13 06 37 21.6–.17 35.7N–.40 140.1E–.60 69–1 3.4,3.6b
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
ISC IX 14 21 39 57.5–.00 35.62N–.05 140.21E–.07 70–8 3.5b 17 0-59
IDC IX 14 21 39 56.0–1.0 34.77N 138.14E 0 3.4b,3.4 **¶621110853**
JMA IX 14 21 39 57.5–.16 35.7N–.40 140.2E–.60 65–1 2.5,3.4
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
ISC IX 15 14 31 37.3–.85 36.31N–.04 140.28E–.05 106–6 3.5b 31 0-56
IDC IX 15 14 31 35.2–5.5 36.39N 140.51E 98–36 3.6,3.2b **¶621111987**
JMA IX 15 14 31 38.4–.08 36.3N–.30 140.2E–.40 98–0 3.2,3.2b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
ISC IX 16 21 42 09.9–1.1 40.75N–.05 141.6E–.10 71–7 3.5b 22 0-64
IDC IX 16 21 41 58.4–2.2 40.87N 142.32E 0 3.5b,3.5 **¶621112909**
JMA IX 16 21 42 10.1–.12 40.7N–.30 141.6E–.50 73–1 3.3,3.5
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
ISC IX 15 12 26 04.5–2.3 37.21N–.05 141.84E–.10 24–16 3.6b 26 1-61
IDC IX 15 12 26 01.4–.94 37.20N 141.93E 0 3.6b,3.6 **¶621076727**
NIED IX 15 12 26 06.0 37.28N 141.81E 40 3.8W,3.6
JMA IX 15 12 26 06.0–.07 37.3N–.30 141.8E–.30 40–0 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.13 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$-1.61 $M_{r\theta}$4.18 $M_{\theta\phi}$-2.24 $M_{\phi r}$0.62 NP1:ϕ_s188.00000°,δ29.00000°,λ28.00000°. NP2:ϕ_s72.00000° ,δ77.00000°,λ116.00000°. M_o5.15000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC IX 16 04 08 29.7–1.4 38.53N–.06 142.15E–.09 47–11 4.4b 46 1-68

IDC IX 16 04 08 22.0–2.2 38.74N 142.58E 0 3.8b,3.6 **¶621112867**
NEIC IX 16 04 08 29.1–1.6 38.58N–.09 142.4E–.10 35–2 4.6b,3.6
JMA IX 16 04 08 33.1–.09 38.5N–.20 141.7E–.40 52–0 3.6,3.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. KINKAZAN REGION .
ISC IX 15 02 09 44.4–.72 35.06N–.04 140.63E–.05 90–5 4.2b 68 0-59
NIED IX 15 02 09 43.5 35.11N 140.67E 91 3.8W **¶621111963**
NEIC IX 15 02 09 43.4–1.1 35.07N–.06 140.78E–.10 82–9 4.4b
JMA IX 15 02 09 43.5–.17 35.1N–.60 140.7E–.60 91–1 3.7
IDC IX 15 02 09 44.8–2.0 35.00N 140.58E 90–15 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.93 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$3.91 $M_{r\theta}$-2.58 $M_{\theta\phi}$-0.35 $M_{\phi r}$4.65 NP1:ϕ_s21.00000°,δ22.00000°,λ-45.00000°. NP2:ϕ_s154.00000°,δ75.00000°,λ-106.00000°. M_o6.38000×10^{14}
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.8km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=28.5km s-min=6.9km az=74.0.
ISC IX 18 23 07 48.9–.54 36.48N–.04 140.57E–.05 60–4 4.3b 263 0-126
MOS IX 18 23 07 45.3–.92 36.46N 140.80E 47 4.6b **¶621083000**
JMA IX 18 23 07 48.8–.09 36.5N–.20 140.6E–.40 55–0 4.4,4.1
NIED IX 18 23 07 48.8 36.47N 140.61E 55 4.1W,4.1
GFZ IX 18 23 07 50.2–.27 37N–3.0 141E–4.0 75 5.6b,5.1
IDC IX 18 23 07 50.1–1.8 36.43N 140.53E 70–16 4.2,3.9b
NEIC IX 18 23 07 51.0–1.4 36.45N–.06 140.5E–.10 72–7 4.4b,3.9b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.00 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-1.17 $M_{r\theta}$0.62 $M_{\theta\phi}$-0.19 $M_{\phi r}$1.09 NP1:ϕ_s169.00000°,δ24.00000°,λ56.00000°. NP2:ϕ_s25.00000°,δ70.00000°,λ104.00000°. M_o1.67000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA IX 16 19 52 21.4–.08 36.3N–.30 141.5E–.30 29–1 1.5
¶626495569
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC IX 17 03 16 10.8–.95 37.79N–.04 141.55E–.06 45–7 4.4b,3.9s 126 1-147
NIED IX 17 03 16 10.7 37.79N 141.51E 49 4.2W,3.9s **¶621082828**
JMA IX 17 03 16 10.7–.05 37.8N–.10 141.5E–.20 49–0 4.6,4.4
NEIC IX 17 03 16 11.3–1.7 37.76N–.06 141.60E–.10 48–6 4.5b,4.4
IDC IX 17 03 16 11.6–1.8 37.82N 141.51E 53–15 4.2,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.48 $M_{\theta\theta}$0.22 $M_{\phi\phi}$2.27 $M_{r\theta}$0.51 $M_{\theta\phi}$0.87 $M_{\phi r}$-0.02 NP1:ϕ_s9.00000°,δ44.00000°,λ-106.00000°. NP2:ϕ_s211.00000°,δ48.00000°,λ-75.00000°. M_o2.59000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.7km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.2km s-min=10.4km az=101.0.
ISC IX 17 20 21 08.2–.92 38.18N–.05 141.66E–.07 52–7 4.2b 94 0-146
NEIC IX 17 20 21 07.8–2.4 38.17N–.07 141.8E–.10 46–2 4.4b **¶621082827**
NIED IX 17 20 21 08.5 38.20N 141.63E 54 3.9W
IDC IX 17 20 21 08.1–2.1 38.17N 141.64E 53–19 4.0,3.7b
JMA IX 17 20 21 08.5–.08 38.2N–.20 141.6E–.40 54–0 4.5,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}8.39 $M_{\theta\theta}$-2.95 $M_{\phi\phi}$-5.44 $M_{r\theta}$0.60 $M_{\theta\phi}$-3.19 $M_{\phi r}$0.84 NP1:ϕ_s214.00000°,δ41.00000°,λ90.00000°. NP2:ϕ_s34.00000°,δ49.00000°,λ90.00000°. M_o8.07000×10^{14}
JMA Event type fe. KINKAZAN REGION .
ISC IX 24 04 44 15.6–.95 38.16N–.05 141.74E–.08 57–6 4.1b 55 0-74
NIED IX 24 04 44 15.3 38.18N 141.70E 52 3.7W **¶626506625**
NEIC IX 24 04 44 15.8–1.0 38.15N–.06 141.8E–.20 63–10 4.5b
JMA IX 24 04 44 15.3–.08 38.2N–.20 141.7E–.40 52–0 3.6
IDC IX 24 04 44 17.1–1.4 38.14N 141.66E 70–8 3.9,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.06 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-2.56 $M_{r\theta}$1.20 $M_{\theta\phi}$-1.12 $M_{\phi r}$2.91 NP1:ϕ_s205.00000°,δ22.00000°,λ92.00000°. NP2:ϕ_s23.00000°,δ68.00000°,λ89.00000°. M_o4.39000×10^{14}
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=7.7km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=31.0km s-min=15.7km az=83.0.
ISC IX 19 16 11 52.0–1.4 37.60N–.05 141.89E–.08 43–13 4.0b,3.5s 60 1-89
NEIC IX 19 16 11 51.7–1.0 37.59N–.07 142.1E–.10 35–2 4.4b,3.5s **¶621113630**
IDC IX 19 16 11 53.7–2.2 37.66N 141.85E 54–20 3.8,3.5b
NIED IX 19 16 11 53.7 37.66N 141.68E 53 3.8W,3.5b
JMA IX 19 16 11 53.7–.05 37.7N–.10 141.7E–.20 53–0 4.1,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.82 $M_{\theta\theta}$-1.22 $M_{\phi\phi}$-4.60 $M_{r\theta}$-2.59 $M_{\theta\phi}$-1.97 $M_{\phi r}$-0.66 NP1:ϕ_s10.00000°,δ39.00000°,λ64.00000°. NP2:ϕ_s222.00000°,δ56.00000°,λ109.00000°. M_o6.22000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC IX 27 11 26 38.2–.37 36.66N–.03 141.16E–.04 55–2 4.8b,3.8s 585 0-158
IDC IX 27 11 26 30.9–.42 36.66N 141.15E 0 4.6b,4.6 **¶626510199**
BJI IX 27 11 26 36.3 36.64N 141.14E 55 4.8b,4.8b
MOS IX 27 11 26 36.2–.90 36.86N 141.13E 39 5.0b,4.8b
NIED IX 27 11 26 38.4 36.65N 141.11E 50 4.7W,4.8b
NEIC IX 27 11 26 38.3–1.0 36.71N–.08 141.2E–.10 50–6 4.9b,4.6
NEIC IX 27 11 26 38.1 36.67N 141.18E 49 4.9b,4.6
JMA IX 27 11 26 38.4–.08 36.7N–.20 141.1E–.20 50–0 4.8,4.7W
GFZ IX 27 11 26 39.4–.16 37N–3.0 141E–3.0 56 5.5b,5.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.15 $M_{\phi r}$-0.05 NP1:ϕ_s21.00000°,δ46.00000°,λ108.00000°. NP2:ϕ_s175.00000°,δ47.00000°,λ72.00000°. M_o1.26000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.25 $M_{\theta\theta}$1.85 $M_{\phi\phi}$-9.10 $M_{r\theta}$3.13 $M_{\theta\phi}$-1.05 $M_{\phi r}$-1.50 NP1:ϕ_s28.70000°,δ46.16000°,λ125.90000°. NP2:ϕ_s162.44000°,δ54.25000°,λ58.59000°. Principal axes: T 8.8691,Plg65.0000°,Azm13.0000°; N 0.4233,Plg25.0000°,Azm182.0000°; P -9.2923,Plg4.0000°,Azm274.0000° M_o9.09000×10^{15}
NEIC Event type se.
JMA Event type fe. E OFF IBARAKI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC IX 25 14 09 51.2–1.7 39.11N–.05 142.5E–.20 20–9 3.6b 22 1-63
IDC IX 25 14 09 46.5–1.8 39.21N 142.87E 0 3.6b,3.5 **¶621131456**
JMA IX 25 14 09 53.1–.05 39.1N–.20 142.4E–.20 32–0 3.5,3.5
ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
ISC IX 25 20 44 06.2–1.7 37.79N–.05 141.98E–.08 35–4 3.7b 30 1-62
IDC IX 25 20 44 07.2–3.0 37.80N 142.05E 45–24 3.7,3.5b **¶621131469**
NIED IX 25 20 44 07.1 37.78N 141.82E 45 3.7W,3.5b
JMA IX 25 20 44 07.1–.06 37.8N–.20 141.8E–.20 45–0 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.92 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-1.71 $M_{r\theta}$0.96 $M_{\theta\phi}$-1.74 $M_{\phi r}$2.88 NP1:ϕ_s235.00000°,δ22.00000°,λ124.00000°. NP2:ϕ_s19.00000°,δ72.00000°,λ77.00000°. M_o3.89000×10^{14}
JMA Event type ke. SE OFF MIYAGI PREF .
ISC IX 29 16 26 22.2–.83 35.84N–.04 140.54E–.09 35 3.5b 25 0-60
IDC IX 29 16 26 17.0–.96 35.80N 140.53E 0 3.5b,3.5 **¶621146122**
NIED IX 29 16 26 22.0 35.86N 140.54E 37 3.6W,3.5
JMA IX 29 16 26 22.0–.11 35.9N–.30 140.5E–.40 37–1 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.44 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$0.58 $M_{r\theta}$2.06 $M_{\theta\phi}$-1.49 $M_{\phi r}$2.00 NP1:ϕ_s286.00000°,δ22.00000°,λ157.00000°. NP2:ϕ_s37.00000°,δ82.00000°,λ70.00000°. M_o3.18000×10^{14}
JMA Event type fe. SOUTHERN IBARAKI PREF .
ISC IX 27 10 58 48.6–.92 38.58N–.06 142.02E–.06 49–7 4.1b 80 0-147
MOS IX 27 10 58 47.3–1.1 38.60N 142.11E 59 4.7b **¶621140706**
NIED IX 27 10 58 49.2 38.62N 141.90E 48 4.1W
NEIC IX 27 10 58 49.8–2.1 38.60N–.08 142.1E–.10 59–6 4.6b
JMA IX 27 10 58 49.2–.07 38.6N–.20 141.9E–.20 48–0 4.1,4.0
IDC IX 27 10 58 50.3–2.2 38.59N 142.01E 65–19 4.0,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=11.8km s-min=6.9km az=87.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.88 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-0.76 $M_{r\theta}$0.36 $M_{\theta\phi}$-0.28 $M_{\phi r}$1.02 NP1:ϕ_s201.00000°,δ19.00000°,λ91.00000°. NP2:ϕ_s20.00000°,δ71.00000°,λ90.00000°. M_o1.39000×10^{15}
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.3km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=17.9km s-min=14.3km az=101.0.
ISC IX 27 15 30 39.5–.84 38.15N–.05 141.85E–.08 60–6 4.2b,2.6s 72 0-73
NEIC IX 27 15 30 39.1–1.1 38.13N–.06 141.9E–.10 57–9 4.3b,2.6s **¶621140726**
JMA IX 27 15 30 39.4–.08 38.2N–.20 141.7E–.40 52–0 3.8,2.6s
NIED IX 27 15 30 39.4 38.17N 141.69E 52 3.8W,2.6s
IDC IX 27 15 30 40.6–1.1 38.25N 141.99E 70–6 3.9,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=7.7km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.70 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-3.57 $M_{r\theta}$1.88 $M_{\theta\phi}$-1.24 $M_{\phi r}$3.92 NP1:ϕ_s191.00000°,δ21.00000°,λ78.00000°. NP2:ϕ_s24.00000°,δ69.00000°,λ95.00000°. M_o5.80000×10^{14}
IDC Error ellipse: s-maj=24.4km s-min=13.6km az=89.0.
ISC IX 29 03 26 42.2–.68 36.43N–.04 140.71E–.05 55–5 4.3b 106 0-147
NIED IX 29 03 26 42.5 36.43N 140.65E 54 4.1W **¶621146119**
NEIC IX 29 03 26 42.7–.62 36.46N–.06 140.69E–.09 58–6 4.5b
JMA IX 29 03 26 42.5–.09 36.4N–.20 140.7E–.50 54–0 4.3,4.2
IDC IX 29 03 26 43.4–1.6 36.40N 140.72E 66–14 4.2,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.03 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-1.04 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.00 NP1:ϕ_s214.00000°,δ25.00000°,λ107.00000°. NP2:ϕ_s16.00000°,δ66.00000°,λ82.00000°. M_o1.56000×10^{15}
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.5km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NORTHERN IBARAKI PREF .
IDC Error ellipse: s-maj=14.8km s-min=8.5km az=67.0.
ISC IX 30 08 45 29.9–.44 38.40N–.04 142.16E–.04 64–3 4.6b 307 1-144
MOS IX 30 08 45 29.0–.83 38.63N 141.94E 58 4.8b **¶621113172**
BJI IX 30 08 45 29.6 38.50N 142.00E 62 5.1b,4.6s
NIED IX 30 08 45 30.4 38.43N 141.96E 61 4.4W,4.6s
IDC IX 30 08 45 30.5–.57 38.45N 141.92E 63–4 4.4,4.1b
JMA IX 30 08 45 30.4–.07 38.4N–.20 142.0E–.20 61–0 4.9,4.5
NEIC IX 30 08 45 31.2–1.2 38.51N–.05 142.0E–.10 68–6 4.6b,4.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.35 $M_{\theta\theta}$-2.91 $M_{\phi\phi}$-0.44 $M_{r\theta}$1.89 $M_{\theta\phi}$0.15 $M_{\phi r}$-0.95 NP1:ϕ_s265.00000°,δ30.00000°,λ73.00000°. NP2:ϕ_s105.00000°,δ62.00000°,λ100.00000°. M_o3.76000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 30 03 52 23.2–.98 40.87N–.04 142.33E–.04 49–9 4.2b 122 1-144
MOS IX 30 03 52 21.6–.84 40.90N 142.36E 59 4.6b **¶621113158**
NIED IX 30 03 52 22.9 40.89N 142.31E 51 3.9W
JMA IX 30 03 52 22.9–.10 40.9N–.30 142.3E–.40 51–0 4.2,4.1
NEIC IX 30 03 52 24.7–1.4 41.01N–.07 142.14E–.08 53–4 4.4b,4.1
IDC IX 30 03 52 24.5–1.9 40.84N 142.23E 67–15 4.0,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=10.5km s-min=6.8km az=84.7.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.84 $M_{\theta\theta}$6.45 $M_{\phi\phi}$-4.61 $M_{r\theta}$-3.14 $M_{\theta\phi}$-5.57 $M_{\phi r}$-2.48 NP1:ϕ_s335.00000°,δ63.00000°,λ-13.00000°. NP2:ϕ_s71.00000°,δ79.00000°,λ-152.00000°. M_o8.95000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=12.1km az=110.0.
ISC X 07 20 11 50.4–.72 35.53N–.05 140.09E–.05 69–7 3.9b 52 0-79
NIED X 07 20 11 49.9 35.56N 140.10E 71 3.9W **¶621217238**
JMA X 07 20 11 49.9–.18 35.6N–.40 140.1E–.60 71–1 3.5
IDC X 07 20 11 50.5–3.2 35.42N 140.08E 72–25 3.8,3.5b
NEIC X 07 20 11 50.3–1.9 35.55N–.03 140.1E–.10 70–9 4.4b,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}6.05 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-5.34 $M_{r\theta}$2.32 $M_{\theta\phi}$-0.97 $M_{\phi r}$3.69 NP1:ϕ_s182.00000°,δ28.00000°,λ72.00000°. NP2:ϕ_s23.00000°,δ63.00000°,λ99.00000°. M_o7.23000×10^{14}
JMA Event type fe. CENTRAL CHIBA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 05 22 33 40.0–.99 40.04N–.04 142.24E–.08 52–8 4.1b 51 0-76
JMA X 05 22 33 40.0–.09 40.0N–.30 142.2E–.30 53–0 4.1 **¶626628553**
NIED X 05 22 33 40.0 40.00N 142.24E 53 3.7W
NEIC X 05 22 33 41–1.2 40.13N–.07 142.18E–.09 57–3 4.4b
IDC X 05 22 33 42.0–2.5 40.12N 142.12E 68–20 3.8,3.5b
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.32 $M_{\theta\theta}$1.77 $M_{\phi\phi}$-4.09 $M_{r\theta}$1.61 $M_{\theta\phi}$1.60 $M_{\phi r}$1.50 NP1:ϕ_s130.00000°,δ51.00000°,λ31.00000°. NP2:ϕ_s20.00000°,δ66.00000°,λ137.00000°. M_o4.46000×10^{14}
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.7km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.0km s-min=15.9km az=107.0.
ISC X 02 04 01 35.0–.83 38.50N–.06 142.11E–.10 20–6 4.1b 65 1-145
IDC X 02 04 01 31.7–.74 38.42N 142.17E 0 3.8b,3.8 **¶621186046**
NIED X 02 04 01 35.0 38.47N 142.12E 27 3.8W,3.8
JMA X 02 04 01 35.0–.05 38.5N–.20 142.1E–.20 27–0 4.4,4.0
NEIC X 02 04 01 37.9–1.6 38.49N–.08 142.1E–.10 39–3 4.8b,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.94 $M_{\theta\theta}$2.92 $M_{\phi\phi}$1.02 $M_{r\theta}$1.47 $M_{\theta\phi}$-2.58 $M_{\phi r}$1.41 NP1:ϕ_s148.00000°,δ48.00000°,λ-54.00000°. NP2:ϕ_s281.00000°,δ53.00000°,λ-123.00000°. M_o4.83000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA X 04 14 35 44.6–.09 36.5N–.20 140.9E–.40 29–1 0.4
¶626627605
JMA Event type ke. E OFF IBARAKI PREF .
ISC X 07 14 44 19.1–.94 35.54N–.05 140.11E–.05 70–8 3.5b 26 0-59
IDC X 07 14 44 06.9–1.7 35.90N 141.01E 0 3.5b,3.4 **¶621217221**
JMA X 07 14 44 18.5–.14 35.6N–.30 140.1E–.50 70–1 3.1,3.4
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
ISC X 04 21 06 32.5–1.2 38.16N–.05 141.99E–.07 46–10 4.3b 97 0-146
NEIC X 04 21 06 32.9–2.4 38.16N–.07 142.02E–.07 46–7 4.5b **¶621120399**
IDC X 04 21 06 33.1–1.7 38.19N 141.90E 52–15 3.9,3.6L
NIED X 04 21 06 33.4 38.18N 141.84E 52 4.0W,3.6L

JMA X 04 21 06 33.4–.07 38.2N–.20 141.8E–.30 52–0 4.3,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.92 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.27 $M_{\theta\phi}$-0.61 $M_{\phi r}$-0.27 NP1:ϕ_s207.00000°,δ49.00000°,λ59.00000°. NP2:ϕ_s69.00000° ,δ50.00000°,λ120.00000°. $M_0$1.07000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
ISC X 05 17 46 02.7–.19 40.02N–.02 142.21E–.02 57–1 5.8b,5.2s 2381 0-165
BJI X 05 17 45 58.4 40.02N 142.53E 50 5.8b,5.5b **¶621125918**
MOS X 05 17 46 00.6–.85 40.04N 142.26E 51 6.1b,5.3s
BGR X 05 17 46 02.1 39.74N 141.51E 33 5.7b,5.4s
JMA X 05 17 46 02.3–.10 40.0N–.30 142.3E–.30 56–0 5.9,5.7W
GFZ X 05 17 46 02.7 39.96N 142.26E 52 5.7W,5.7W
GFZ X 05 17 46 02.7–.25 40N–1.0 142E–2.0 51–2 6.1b,6.0L
NIED X 05 17 46 02.3 40.01N 142.26E 56 5.7W,6.0L
NEIC X 05 17 46 03.0–1.9 40.05N–.05 142.14E–.08 55–1 5.8b,5.7
NEIC X 05 17 46 02.1 40.08N 142.25E 45 5.8b,5.7
ISC-P X 05 17 46 02 40.05N 142.14E 68–0 5.9,5.7
NEIC X 05 17 46 03.6 40.08N 142.21E 60 5.9,5.7
IDC X 05 17 46 03.3–.90 40.00N 142.18E 60–7 5.6,5.3b
GCMT X 05 17 46 04.2–.10 39.98N–.01 142.19E–.01 48–0 5.7W,5.3b
NEIC X 05 17 46 08.9 39.98N 142.47E 46 5.7,5.3b
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=5.2km s-min=3.8km az=103.1. Felt (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
BGR Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.14 $M_{\theta\theta}$-2.99 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.78 $M_{\theta\phi}$-1.96 $M_{\phi r}$-0.13 NP1: ϕ_s64.76999°,δ49.46605°,λ99.46278°. NP2:ϕ_s230.38576°,δ41.43741°,λ79.11683°. Principal axes: T 4.2521,Plg81.7498°,Azm28.8802°; N 0.0254,Plg7.1780°,Azm238.5877° ; P -4.2774,Plg4.0459°,Azm148.0773° $M_0$4.26480×10^{17}
GFZ Error ellipse: s-maj=4.2km s-min=2.9km az=104.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}3.24 $M_{\theta\theta}$-2.72 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.26 $M_{\theta\phi}$-1.89 $M_{\phi r}$-1.34 NP1:ϕ_s78.00000°,δ41.00000°,λ118.00000°. NP2:ϕ_s223.00000° ,δ55.00000°,λ68.00000°. $M_0$3.81000×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.3km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.34 $M_{\theta\theta}$-3.24 $M_{\phi\phi}$-1.10 $M_{r\theta}$0.20 $M_{\theta\phi}$-2.32 $M_{\phi r}$-2.17 NP1:ϕ_s216.57000°,δ55.20000°,λ63.76000°. NP2:ϕ_s77.38000°,δ42.56000° ,λ122.46000°. Principal axes: T 5.2171,Plg68.0000°,Azm72.0000°; N -0.3758,Plg21.0000° ,Azm232.0000°; P -4.8414,Plg7.0000°,Azm325.0000° $M_0$5.04000×10^{17}
NEIC Event type se.
ISC-P Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.13 $M_{\theta\theta}$-0.06±.14; $M_{\phi\phi}$-0.59±.14; $M_{r\theta}$0.21±.13; $M_{\theta\phi}$-0.13±.26; $M_{\phi r}$-0.13±.15; NP1:ϕ_s177.10000°,δ50.90000° ,λ69.20000°. NP2:ϕ_s28.10000°,δ43.50000°,λ113.60000°. $M_0$7.67000×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=7.7km s-min=6.4km az=96.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110051746A. Moment Tensor Solution. s128,c270; s156,c325;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.04±.06 $M_{\theta\theta}$-3.34±.04; $M_{\phi\phi}$-0.70±.05; $M_{r\theta}$-0.33±.04; $M_{\theta\phi}$-2.34±.03; $M_{\phi r}$-2.08±.04; Best double couple: NP1: ϕ_s80.00000°,δ40.00000°,λ123.00000°. NP2:ϕ_s220.00000°,δ57.00000°,λ65.00000°. Principal axes: T 4.8600,Plg68.0000°,Azm79.0000°; N 0.0560,Plg20.0000°,Azm234.0000° ; P -4.9160,Plg9.0000°,Azm327.0000° $M_0$4.88800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}4.02 $M_{\theta\theta}$-2.91 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.10 $M_{\theta\phi}$-1.91 $M_{\phi r}$-1.89 NP1:ϕ_s75.57000°,δ41.61000° ,λ119.58000°. NP2:ϕ_s218.37000°,δ54.72000°,λ66.32000°. Principal axes: T 4.7043,Plg70.0000°,Azm74.0000°; N -0.4747,Plg19.0000°,Azm233.0000° ; P -4.2297,Plg7.0000°,Azm325.0000° $M_0$4.49000×10^{17}
ISC X 07 00 02 55.2–1.4 38.15N–.07 142.0E–.10 38–3 3.8b 25 0-146
IDC X 07 00 02 49.7–1.5 38.12N 142.21E 0 3.7b,3.6 **¶621217174**
JMA X 07 00 02 57.8–.08 38.2N–.30 141.7E–.40 51–0 3.6,3.6
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
ISC X 07 13 41 24.0–.20 35.52N–.02 140.06E–.02 65–1 6.1b 2456 0-168
BJI X 07 13 41 16.7 35.47N 140.67E 60 6.0b,5.8b **¶626629702**
KEA X 07 13 41 18.2 35.62N 141.04E 33 5.0s,5.8b
MOS X 07 13 41 22.8–.97 35.56N 140.02E 61 6.5b,5.5s
PTWC X 07 13 41 23 35.60N 140.30E 5.9,5.5s
BGR X 07 13 41 23.5 35.93N 140.40E 33 6.6,6.4b
JMA X 07 13 41 23.1–.14 35.6N–.30 140.1E–.50 75–1 6.0W,5.9
NIED X 07 13 41 23.1 35.59N 140.10E 75 5.9W,5.9
NEIC X 07 13 41 24.2 35.56N 140.06E 58 5.9W,5.9
GFZ X 07 13 41 24.3 35.48N 140.16E 69 5.9W,5.9
NEIC X 07 13 41 24.2 35.56N 140.06E 58 5.9W,5.9
IPGP X 07 13 41 24.0 35.57N 140.11E 68 5.9W,5.9
IDC X 07 13 41 24.2–.35 35.49N 140.02E 68–3 6.0,5.7b
GFZ X 07 13 41 24.3–.32 35N–1.0 140E–2.0 63–2 6.4b,6.3b
NEIC X 07 13 41 24.5–2.2 35.57N–.05 140.07E–.08 62–1 6.1b,5.9
GCMT X 07 13 41 27.5–.10 35.53N 140.21E 57–0 6.0W,5.9
NEIC X 07 13 41 31.7 35.56N 140.06E 60 5.9,5.9
ISC Event type ke.
MOS Error ellipse: s-maj=6.0km s-min=3.2km az=117.7.
BGR Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}6.89 $M_{\theta\theta}$0.51 $M_{\phi\phi}$-7.39 $M_{r\theta}$1.79 $M_{\theta\phi}$0.91 $M_{\phi r}$5.45 NP1:ϕ_s158.00000°,δ29.00000°,λ63.00000°. NP2:ϕ_s9.00000° ,δ65.00000°,λ104.00000°. $M_0$9.21000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.37 $M_{\theta\theta}$1.00 $M_{\phi\phi}$-8.36 $M_{r\theta}$1.18 $M_{\theta\phi}$0.16 $M_{\phi r}$4.29 NP1: ϕ_s169.07773°,δ31.50839°,λ73.84931°. NP2:ϕ_s7.83902°,δ59.86777°,λ99.67675°. Principal axes: T 8.6446,Plg73.2993°,Azm302.2703°; N 0.8139,Plg8.3590°,Azm182.9465° ; P -9.4585,Plg14.3526°,Azm90.7919° $M_0$9.07896×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s195.00000°,δ34.00000°,λ95.00000°. NP2:ϕ_s9.00000° ,δ57.00000°,λ87.00000°.
IDC Error ellipse: s-maj=7.2km s-min=5.5km az=53.0.
GFZ Error ellipse: s-maj=5.1km s-min=3.2km az=96.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.9km az=276.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}9.48 $M_{\theta\theta}$-1.67 $M_{\phi\phi}$-7.80 $M_{r\theta}$1.56 $M_{\theta\phi}$-0.45 $M_{\phi r}$3.52 NP1:ϕ_s11.09000°,δ56.74000°,λ96.59000°. NP2:ϕ_s179.20000°,δ33.84000° ,λ80.07000°. Principal axes: T 10.3406,Plg77.0000°,Azm303.0000°; N -1.7655,Plg6.0000° ,Azm187.0000°; P -8.5751,Plg12.0000°,Azm96.0000° $M_0$9.58000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110071341A. Moment Tensor Solution. s157,c361; s167,c563;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}1.01±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-1.12±.01; $M_{r\theta}$0.03±.01; $M_{\theta\phi}$-0.00±.01; $M_{\phi r}$0.47±.01; Best double couple: NP1:ϕ_s178.00000°,δ33.00000°,λ87.00000°. NP2:ϕ_s2.00000°,δ57.00000°,λ92.00000°. Principal axes: T 1.1090,Plg78.0000°,Azm278.0000°; N 0.1160,Plg2.0000°,Azm181.0000° ; P -1.2180,Plg12.0000°,Azm90.0000° $M_0$1.16400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{17}Nm; M_{rr}7.83 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$-7.83 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.55 $M_{\phi r}$3.60 NP1:ϕ_s178.36000°,δ32.63000° ,λ93.96000°. NP2:ϕ_s353.67000°,δ57.46000°,λ87.47000°. Principal axes: T 8.6466,Plg77.0000°,Azm255.0000°; N 0.0225,Plg2.0000°,Azm355.0000° ; P -8.6691,Plg12.0000°,Azm85.0000° $M_0$8.66000×10^{17}
ISC X 09 02 16 18.6–.71 35.51N–.05 140.16E–.05 72–6 4.1b 58 0-96
IDC X 09 02 16 08.6–.82 35.61N 140.59E 0 4.0,3.9b **¶626630998**
NEIC X 09 02 16 16.9–2.0 35.48N–.08 140.4E–.20 57–10 4.3b,3.9b
NIED X 09 02 16 19.0 35.56N 140.09E 71 4.1W,3.9b
JMA X 09 02 16 19.0–.16 35.6N–.40 140.1E–.60 71–1 3.4,3.9b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.19 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$-1.01 $M_{r\theta}$0.11 $M_{\theta\phi}$-0.06 $M_{\phi r}$1.05 NP1:ϕ_s183.00000°,δ23.00000°,λ88.00000°. NP2:ϕ_s5.00000° ,δ67.00000°,λ91.00000°. $M_0$1.53000×10^{15}
JMA Event type fe. CENTRAL CHIBA PREF .
ISC X 08 09 23 25.7–1.3 35.56N–.06 140.19E–.08 64–10 20 0-59
JMA X 08 09 23 25.2–.18 35.6N–.40 140.1E–.70 69–1 3.0 **¶626630458**
IDC X 08 09 23 26.0–3.2 35.46N 140.20E 64–25 3.4L,3.3
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=43.6km s-min=8.2km az=67.0.
ISC X 08 03 40 50.2–1.2 35.37N–.06 141.1E–.10 33 11 1-55
IDC X 08 03 40 45.8–1.5 35.36N 141.40E 0 3.4b,3.3 **¶621224627**
JMA X 08 03 40 49.9–.09 35.4N–.30 141.1E–.40 23–2 2.5,3.3
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
ISC X 09 05 31 58.4–.33 39.99N–.03 142.28E–.04 55–2 4.8b,4.3s 541 0-155
BJI X 09 05 31 57.2 40.07N 142.33E 66 5.0b,4.8b **¶621143695**
IDC X 09 05 31 57.1–1.7 39.95N 142.14E 45–15 4.6L,4.6
MOS X 09 05 31 57.6–.80 40.11N 142.18E 56 5.0b,4.6
JMA X 09 05 31 58.8–.08 40.0N–.20 142.3E–.30 54–0 4.7,4.5W
NIED X 09 05 31 58.8 39.99N 142.25E 54 4.5W,4.5W
GFZ X 09 05 31 60.0–.47 40N–4.0 142E–5.0 63–3 5.4b,4.9b
NEIC X 09 05 31 59.6–1.5 40.08N–.06 142.21E–.10 53–6 5.0b,4.9b
ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}6.71 $M_{\theta\theta}$-4.23 $M_{\phi\phi}$-2.48 $M_{r\theta}$1.87 $M_{\theta\phi}$-2.77 $M_{\phi r}$-0.93 NP1:ϕ_s221.00000°,δ42.00000°,λ70.00000°. NP2:ϕ_s67.00000° ,δ51.00000°,λ107.00000°. $M_0$6.79000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 10 05 08 50.2–2.0 40.05N–.06 142.4E–.20 48–14 3.5b 21 0-72
NIED X 10 05 08 51.2 40.02N 142.24E 52 3.8W **¶626631707**
JMA X 10 05 08 51.2–.09 40.0N–.20 142.2E–.30 52–0 3.8
IDC X 10 05 09 01.1–3.5 39.91N 141.05E 131–33 3.5,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.80 $M_{\theta\theta}$4.54 $M_{\phi\phi}$-5.34 $M_{r\theta}$0.33 $M_{\theta\phi}$2.20 $M_{\phi r}$-0.68 NP1:ϕ_s33.00000°,δ84.00000°,λ-177.00000°. NP2:ϕ_s303.00000° ,δ87.00000°,λ-6.00000°. $M_0$5.45000×10^{14}
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=49.4km s-min=22.7km az=99.0.
ISC X 09 08 13 26.9–.90 35.54N–.05 140.09E–.05 71–7 3.6b 24 0-70
JMA X 09 08 13 26.4–.17 35.6N–.40 140.1E–.60 70–1 2.9 **¶621235315**
IDC X 09 08 13 26.5–2.8 35.49N 140.23E 70–21 3.7,3.3b
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=38.7km s-min=8.0km az=68.0.
ISC X 12 11 30 37.8–.84 39.61N–.04 142.34E–.07 47–7 3.9b 64 0-88
NEIC X 12 11 30 36.8–.68 39.56N–.06 142.52E–.04 35–2 4.1b **¶621236947**
JMA X 12 11 30 37.9–.06 39.6N–.20 142.5E–.20 46–0 4.1,4.1
IDC X 12 11 30 37.8–.80 39.63N 142.49E 48–7 3.9,3.5b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.4km az=352.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF IWATE PREF .
IDC Error ellipse: s-maj=18.7km s-min=11.9km az=97.0.
ISC X 11 11 36 58.1–.98 35.27N–.05 140.57E–.08 35 3.5b 18 0-59
IDC X 11 11 36 53.6–1.4 35.30N 140.46E 0 3.4b,3.4 **¶621236875**
JMA X 11 11 36 58.4–.10 35.3N–.30 140.6E–.40 24–1 3.2,3.4
ISC Event type ke.
JMA Event type fe. KUJUKURI COAST BOSO PEN .
ISC X 11 11 45 44.5–1.2 35.29N–.05 140.64E–.08 35 14 0-59
IDC X 11 11 45 37.4–4.2 35.33N 141.17E 0 3.2b,3.1 **¶621236877**
JMA X 11 11 45 44.6–.10 35.3N–.30 140.6E–.40 23–1 2.9,3.1
ISC Event type ke.
JMA Event type ke. KUJUKURI COAST BOSO PEN .
ISC X 13 19 30 34.0–1.3 37.65N–.05 141.72E–.09 35 3.5b 25 1-61
IDC X 13 19 30 33.8–5.4 37.70N 141.97E 47–44 3.5,3.3b **¶621238993**
JMA X 13 19 30 35.4–.05 37.7N–.10 141.6E–.20 52–0 3.9,3.6
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC X 18 02 01 19.7–.56 38.19N–.04 141.70E–.06 48–3 4.5b,3.2s 197 0-146
NIED X 18 02 01 19.9 38.17N 141.69E 52 4.0W,3.2s **¶621206654**
MOS X 18 02 01 19.6–.93 38.26N 141.63E 59 4.8b,3.2s
JMA X 18 02 01 19.9–.08 38.2N–.20 141.7E–.30 52–0 4.3,4.1
GFZ X 18 02 01 20.3–.63 38N–5.0 142E–8.0 72–3 5.6b,5.1
IDC X 18 02 01 22.3–1.8 38.24N 141.75E 71–15 4.1,3.8b
NEIC X 18 02 01 23.2–1.6 38.28N–.07 141.54E–.04 71–6 4.6b,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.89 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.67 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.63 NP1:ϕ_s209.00000°,δ25.00000°,λ91.00000°. NP2:ϕ_s28.00000° ,δ65.00000°,λ90.00000°. $M_0$1.13000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 17 15 00 19.9–.97 35.64N–.05 140.21E–.06 71–7 3.4b 23 0-59
IDC X 17 15 00 08.2–1.9 35.89N 141.11E 0 3.4b,3.4 **¶621242888**
JMA X 17 15 00 19.5–.15 35.7N–.40 140.2E–.60 69–1 2.9,3.4
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
ISC X 17 15 49 31.0–.32 40.92N–.03 142.24E–.04 71–2 4.8b 772 1-153
BJI X 17 15 49 28.2 40.98N 142.34E 75 4.9b,4.8b **¶621205018**
MOS X 17 15 49 29.7–.94 40.98N 142.19E 70 5.2b,4.8b
NIED X 17 15 49 30.4 40.94N 142.22E 61 4.5W,4.8b
JMA X 17 15 49 30.4–.09 40.9N–.30 142.2E–.30 61–0 4.7,4.6
NEIC X 17 15 49 31.4–.84 40.97N–.06 142.2E–.10 68–5 4.8b,4.6
BGR X 17 15 49 31.9 41.54N 142.24E 33 4.9b,4.6
IDC X 17 15 49 31.0–.65 40.93N 142.17E 68–5 4.8,4.5b
GFZ X 17 15 49 31.5–.36 41N–4.0 142E–5.0 64–3 5.5b,5.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-5.29 $M_{\theta\theta}$5.77 $M_{\phi\phi}$-0.48 $M_{r\theta}$-3.18 $M_{\theta\phi}$-1.15 $M_{\phi r}$-0.56 NP1:ϕ_s292.00000°,δ32.00000°,λ-71.00000°. NP2:ϕ_s89.00000° ,δ60.00000°,λ-102.00000°. $M_0$6.51000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA X 14 15 20 24.2–.14 35.6N–.40 140.7E–.60 38–1 2.3 ¶626634465
JMA Event type ke. NEAR CHOSHI CITY .
ISC X 28 23 59 22.9–.61 35.59N–.04 140.05E–.04 58–5 4.3b,3.3s 155 0-148
MOS X 28 23 59 19.8–.97 35.61N 140.09E 45 4.5b,3.3s **¶621243339**
NEIC X 28 23 59 22.0–1.8 35.61N–.05 140.17E–.08 46–7 4.4b,3.3s
IDC X 28 23 59 21.9–1.3 35.57N 140.10E 50–13 4.1,3.9b
NIED X 28 23 59 22.5 35.66N 140.06E 60 4.2W,3.9b
JMA X 28 23 59 22.5–.13 35.7N–.30 140.1E–.50 60–1 4.2,3.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.32 $M_{\theta\theta}$1.76 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.30 $M_{\theta\phi}$1.39 $M_{\phi r}$1.13 NP1:ϕ_s98.00000°,δ47.00000°,λ-33.00000°. NP2:ϕ_s212.00000° ,δ66.00000°,λ-132.00000°. $M_0$2.38000×10^{15}
JMA Event type fe. CENTRAL CHIBA PREF .

ISC X 21 07 44 18.8–1.1 38.89N–.06 142.02E–.09 49–9 4.3b 59 0-76
IDC X 21 07 44 19.9–2.2 38.84N 142.12E 64–19 4.0,3.7b **¶621261390**
NIED X 21 07 44 19.3 38.89N 141.97E 49 3.7W,3.7b
JMA X 21 07 44 19.3–.08 38.9N–.20 142.0E–.30 49–0 3.8,3.7b
NEIC X 21 07 44 21.0–.89 38.99N–.07 141.94E–.04 64–9 4.2b,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.91 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-2.74 $M_{r\theta}$0.98 $M_{\theta\phi}$-0.99 $M_{\phi r}$3.29 NP1:ϕ_s201.00000°,δ21.00000°,λ93.00000°. NP2:ϕ_s17.00000° ,δ69.00000°,λ89.00000°. M_o4.55000×10^{14}
JMA Event type fe. KINKAZAN REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 16 17 21.0–2.0 35.3N–.10 141.3E–.10 10 10 1-59
IDC X 23 16 17 16.6–6.0 35.57N 141.80E 0 3.4b,3.2 **¶621309381**
JMA X 23 16 17 23.4–.08 35.2N–.20 141.1E–.20 8–1 2.7,3.2
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
JMA X 24 15 09 49.3–.06 34.3N–.20 140.2E–.20 36–0 3.5
¶626641601
JMA Event type ke. FAR S OFF BOSO PENINSULA.
ISC X 26 18 27 08.8–1.5 37.16N–.06 141.53E–.09 42–12 4.1b,3.0s 73 1-74
NEIC X 26 18 27 09.8–.96 37.20N–.06 141.5E–.10 52–8 4.3b,3.0s **¶621366489**
IDC X 26 18 27 10.0–2.2 37.20N 141.50E 49–18 3.9,3.7b
NIED X 26 18 27 09.2 37.18N 141.40E 46 3.9W,3.7b
JMA X 26 18 27 09.2–.08 37.2N–.30 141.4E–.30 46–0 4.0,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.70 $M_{\theta\theta}$1.05 $M_{\phi\phi}$-2.75 $M_{r\theta}$1.47 $M_{\theta\phi}$-2.16 $M_{\phi r}$7.22 NP1:ϕ_s236.00000°,δ13.00000°,λ136.00000°. NP2:ϕ_s10.00000° ,δ81.00000°,λ80.00000°. M_o7.91000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC X 25 12 53 48.5–1.6 36.48N–.06 141.17E–.08 35–6 3.5b 22 0-60
IDC X 25 12 53 49.2–3.5 36.57N 141.30E 45–36 3.5,3.2b **¶621366431**
JMA X 25 12 53 50.3–.09 36.5N–.20 141.0E–.30 45–1 3.5,3.2b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
ISC X 27 22 02 49.3–1.4 36.30N–.06 141.31E–.09 26 3.3b 15 1-56
IDC X 27 22 02 46.0–1.9 36.44N 141.48E 0 3.5,3.4b **¶621385476**
JMA X 27 22 02 49.6–.07 36.3N–.30 141.3E–.40 30–1 3.3,3.4b
ISC Event type ke.
JMA Event type ke. E OFF IBARAKI PREF .
ISC X 27 22 06 42.3–1.5 38.20N–.05 142.1E–.10 69–10 3.3b 31 1-58
IDC X 27 22 06 32.2–1.9 38.60N 142.50E 0 3.6L,3.5 **¶621385477**
JMA X 27 22 06 46.0–.07 38.3N–.20 141.9E–.30 63–0 3.5,3.5
ISC Event type ke.
JMA Event type ke. E OFF MIYAGI PREF .
ISC X 28 14 47 53.6–.57 37.74N–.04 141.77E–.06 56–4 4.2b 83 1-127
NIED X 28 14 47 53.0 37.76N 141.71E 54 3.9W **¶621385003**
IDC X 28 14 47 53.9–.62 37.70N 141.89E 57–5 3.8,3.5b
JMA X 28 14 47 53.0–.04 37.8N–.10 141.7E–.20 54–0 4.2,4.0
NEIC X 28 14 47 54.5–1.4 37.75N–.08 141.8E–.10 61–7 4.3b,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.95 $M_{\theta\theta}$0.18 $M_{\phi\phi}$-6.13 $M_{r\theta}$-2.94 $M_{\theta\phi}$0.46 $M_{\phi r}$-0.52 NP1:ϕ_s335.00000°,δ48.00000°,λ58.00000°. NP2:ϕ_s197.00000° ,δ51.00000°,λ120.00000°. M_o6.69000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 30 21 51 59.8–.78 35.62N–.05 140.19E–.05 65–7 3.6b 36 0-79
IDC X 30 21 51 58.6–1.7 35.56N 140.30E 55–15 3.6,3.5L **¶621385005**
NIED X 30 21 52 00.2 35.58N 140.14E 68 3.9W,3.5L
JMA X 30 21 52 00.2–.15 35.6N–.30 140.1E–.50 68–1 3.3,3.5L
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}7.23 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-8.29 $M_{r\theta}$2.35 $M_{\theta\phi}$-2.24 $M_{\phi r}$-1.04 NP1:ϕ_s33.00000°,δ47.00000°,λ119.00000°. NP2:ϕ_s173.00000° ,δ50.00000°,λ63.00000°. M_o8.51000×10^{14}
JMA Event type fe. CENTRAL CHIBA PREF .
ISC X 30 06 37 04.4–1.4 35.76N–.05 140.78E–.09 35 3.4b 17 0-59
IDC X 30 06 37 00.9–2.1 36.61N 141.02E 0 3.5b,3.4 **¶621395154**
JMA X 30 06 37 04.2–.17 35.8N–.50 140.7E–.70 50–1 2.9,3.4
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
ISC X 31 09 01 41.5–1.1 35.52N–.05 140.12E–.06 69–9 3.5b 20 0-55
IDC X 31 09 01 30.6–2.0 35.81N 140.90E 0 3.5b,3.5 **¶621395235**
JMA X 31 09 01 41.0–.16 35.6N–.40 140.1E–.60 68–1 2.8,3.5
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
ISC XI 01 17 25 36.1–1.2 38.95N–.04 141.73E–.09 75–7 3.5b 29 0-59
IDC XI 01 17 25 27.8–2.6 39.33N 141.85E 0 3.5b,3.4 **¶621401282**
JMA XI 01 17 25 36.8–.07 39.0N–.20 141.7E–.30 73–0 3.1,3.4
ISC Event type ke.
JMA Event type fe. NORTHERN MIYAGI PREF .
ISC X 31 14 02 47.3–.69 35.47N–.04 140.03E–.04 70–6 4.1b 59 0-92
IDC X 31 14 02 45.5–.80 34.73N 137.97E 0 4.1L,3.7b **¶621395252**
JMA X 31 14 02 46.7–.14 35.6N–.30 140.1E–.60 71–1 3.2,3.7b
NEIC X 31 14 02 49.4–1.8 35.36N–.06 139.55E–.09 81–7 4.5b,3.7b
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 31 21 14 46.8–.29 36.46N–.03 140.68E–.03 58–2 5.4b,4.3s 1518 0-167
BJI X 31 21 14 42.3 36.38N 140.90E 52 5.4b,5.3b **¶621244769**
MOS X 31 21 14 45.0–.87 36.66N 140.55E 45 5.9b,4.4s
JMA X 31 21 14 46.4–.08 36.5N–.20 140.6E–.40 57–0 5.3,5.2W
NIED X 31 21 14 46.4 36.46N 140.61E 57 5.2W,5.2W
GFZ X 31 21 14 47.9 36.44N 140.64E 69 5.2W,5.2W
NEIC X 31 21 14 47.6–1.1 36.53N–.05 140.53E–.08 55–4 5.2b,5.2W
GFZ X 31 21 14 47.1–.36 36N–3.0 141E–4.0 70–3 5.7b,5.7L
NEIC X 31 21 14 47.6 36.54N 140.52E 55 5.7b,5.7L
IDC X 31 21 14 48.4–.96 36.44N 140.63E 68–8 5.3,5.0b
GCMT X 31 21 14 50.1–.10 36.46N–.01 140.67E–.01 56–0 5.2W,5.0b
NEIC X 31 21 14 51.6 36.44N 140.65E 60 5.2,5.0b
ISC Event type ke.
MOS Error ellipse: s-maj=6.0km s-min=3.5km az=115.7.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.55 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-4.13 $M_{r\theta}$2.02 $M_{\theta\phi}$-1.41 $M_{\phi r}$4.88 NP1:ϕ_s186.00000°,δ19.00000°,λ75.00000°. NP2:ϕ_s22.00000° ,δ71.00000°,λ95.00000°. M_o6.65000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.81 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-5.05 $M_{r\theta}$0.90 $M_{\theta\phi}$-1.33 $M_{\phi r}$4.33 NP1: ϕ_s194.64640°,δ24.51210°,λ92.19967°. NP2:ϕ_s12.22909°,δ65.50715°,λ88.99734°. Principal axes: T 6.4681,Plg69.4767°,Azm280.2065°; N 0.5481,Plg0.9124°,Azm12.6448° ; P -7.0162,Plg20.5011°,Azm102.9860° M_o6.75883×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
IDC Error ellipse: s-maj=8.8km s-min=6.8km az=70.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110312114A. Moment Tensor Solution. s113,c189; s150,c277;Duration: 1$\uparrow$0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.72±.01 $M_{\theta\theta}$-0.01±.01; $M_{\phi\phi}$-0.71±.01; $M_{r\theta}$0.18±.01; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$0.46±.01; Best double couple: NP1: ϕ_s192.00000°,δ28.00000°,λ83.00000°. NP2:ϕ_s19.00000°,δ62.00000°,λ94.00000°. Principal axes: T 0.8730,Plg73.0000°,Azm297.0000°; N 0.0450,Plg3.0000°,Azm197.0000° ; P -0.9180,Plg17.0000°,Azm106.0000° M_o0.89600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 1$\uparrow$9 Moment tensor: Scale 10^{16}Nm; M_{rr}5.93 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$-4.79 $M_{r\theta}$1.49 $M_{\theta\phi}$-0.16 $M_{\phi r}$3.81 NP1:ϕ_s176.90000°,δ27.32000° ,λ75.66000°. NP2:ϕ_s12.95000°,δ63.60000°,λ97.29000°. Principal axes: T 7.3664,Plg71.0000°,Azm299.0000°; N -1.2904,Plg7.0000°,Azm190.0000° ; P -6.0759,Plg18.0000°,Azm98.0000° M_o6.81000×10^{16}
ISC X 31 23 27 24.8–.60 40.62N–.04 141.61E–.06 97–4 4.1b 89 0-77
IDC X 31 23 27 24.3–.76 40.62N 141.60E 97–6 3.9,3.6b **¶621252384**
NEIC X 31 23 27 25.2–1.3 40.62N–.07 141.71E–.09 91–6 4.2b,3.6b
NIED X 31 23 27 25.3 40.65N 141.63E 97 3.9W,3.6b
JMA X 31 23 27 25.3–.14 40.7N–.40 141.6E–.70 97–1 4.0,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.09 $M_{\theta\theta}$0.77 $M_{\phi\phi}$3.31 $M_{r\theta}$-3.20 $M_{\theta\phi}$-0.05 $M_{\phi r}$5.26 NP1:ϕ_s5.00000°,δ17.00000°,λ-60.00000°. NP2:ϕ_s154.00000° ,δ75.00000°,λ-99.00000°. M_o7.13000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
ISC XI 01 05 45 24.2–.96 34.84N–.04 140.06E–.04 63–7 3.7b 32 0-58
IDC XI 01 05 45 21.1–1.1 34.30N 138.29E 0 3.7s,3.6b **¶621401251**
JMA XI 01 05 45 23.7–.13 34.9N–.40 140.1E–.50 65–1 2.9,3.6b
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
ISC XI 01 18 24 07.7–2.2 35.15N–.06 141.43E–.09 11–12 4.0b 17 1-59
IDC XI 01 18 24 06.3–1.4 35.14N 141.65E 0 3.7b,3.6 **¶621401285**
JMA XI 01 18 24 10.2–.07 35.1N–.30 141.3E–.30 10–0 2.6,3.6
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XI 03 02 10 53.4–1.8 36.30N–.06 141.05E–.09 28–10 3.7b 20 0-75
IDC XI 03 02 10 48.2–1.1 36.43N 141.34E 0 3.7b,3.7 **¶621412212**
NIED XI 03 02 10 54.3 36.27N 140.99E 34 3.8W,3.7
JMA XI 03 02 10 54.3–.10 36.3N–.30 141.0E–.40 34–1 3.6,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.64 $M_{\theta\theta}$2.61 $M_{\phi\phi}$-1.97 $M_{r\theta}$1.55 $M_{\theta\phi}$1.93 $M_{\phi r}$4.05 NP1:ϕ_s111.00000°,δ35.00000°,λ-7.00000°. NP2:ϕ_s207.00000° ,δ86.00000°,λ-125.00000°. M_o5.29000×10^{14}
JMA Event type fe. E OFF IBARAKI PREF .
ISC XI 02 19 33 10.0–.88 35.51N–.04 140.10E–.06 70–7 3.7b 26 0-59
JMA XI 02 19 33 08.8–.15 35.6N–.30 140.1E–.60 70–1 3.0 **¶621401358**
IDC XI 02 19 33 14.0–.74 34.99N 138.73E 69–11 3.6,3.3b
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=30.8km s-min=5.8km az=69.0.
ISC XI 03 02 35 56.3–.47 37.08N–.03 141.22E–.04 48–3 4.9b,3.8s 888 0-147
IDC XI 03 02 35 49.7–.44 37.09N 141.12E 0 4.6b,4.6 **¶625561550**
MOS XI 03 02 35 53.9–.90 37.08N 141.22E 44 5.2b,4.6
BJI XI 03 02 35 54.3 37.00N 141.25E 60 5.0b,4.9b
GFZ XI 03 02 35 56.7–.64 37N–4.0 141E–6.0 55–4 5.4b,5.0b
NEIC XI 03 02 35 56.0–1.1 37.08N–.06 141.26E–.09 46–5 4.9b,4.6
NIED XI 03 02 35 56.0 37.07N 141.20E 49 4.7W,4.6
JMA XI 03 02 35 56.0–.11 37.1N–.30 141.2E–.40 49–0 4.8,4.7W
NEIC XI 03 02 35 57 37.07N 141.28E 57 4.8,4.7W
GCMT XI 03 02 36 01.0–.50 37.07N–.03 141.13E–.04 46–2 4.8W,4.7W
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.23 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-8.29 $M_{r\theta}$1.63 $M_{\theta\phi}$0.33 $M_{\phi r}$5.81 NP1:ϕ_s9.51000°,δ64.26000°,λ101.30000°. NP2:ϕ_s164.81000°,δ27.95000° ,λ67.89000°. Principal axes: T 9.4880,Plg69.0000°,Azm302.0000°; N 0.7395,Plg10.0000° ,Azm185.0000°; P -10.2275,Plg19.0000°,Azm91.0000° M_o9.88000×10^{15}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.68 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.52 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.96 NP1:ϕ_s205.00000°,δ16.00000°,λ93.00000°. NP2:ϕ_s22.00000° ,δ74.00000°,λ89.00000°. M_o1.21000×10^{16}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111030235A. Moment Tensor Solution. s25,c30; s63,c76; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.50±.13 $M_{\theta\theta}$-0.46±.10; $M_{\phi\phi}$-1.04±.08; $M_{r\theta}$0.31±.07; $M_{\theta\phi}$-0.63±.07; $M_{\phi r}$0.98±.06; Best double couple: NP1:ϕ_s220.00000°,δ28.00000° ,λ104.00000°. NP2:ϕ_s24.00000°,δ62.00000°,λ83.00000°. Principal axes: T 1.8360,Plg72.0000°,Azm278.0000°; N -0.0870,Plg6.0000°,Azm28.0000° ; P -1.7490,Plg17.0000°,Azm120.0000° M_o1.79200×10^{16}
ISC XI 08 21 08 10.5–.79 40.10N–.06 142.92E–.07 12 4.1b,2.9s 51 1-72
IDC XI 08 21 08 08.3–1.1 40.01N 143.11E 0 3.8b,3.7 **¶621423121**
NIED XI 08 21 08 13.2 40.05N 142.88E 31 3.8W,3.7
JMA XI 08 21 08 13.2–.10 40.1N–.40 142.9E–.50 31–1 3.8,3.7
NEIC XI 08 21 08 15.1–1.3 40.19N–.09 142.9E–.10 38–10 4.1b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.18 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-1.94 $M_{r\theta}$1.83 $M_{\theta\phi}$-0.81 $M_{\phi r}$4.48 NP1:ϕ_s202.00000°,δ12.00000°,λ89.00000°. NP2:ϕ_s22.00000° ,δ78.00000°,λ90.00000°. M_o5.33000×10^{14}
JMA Event type ke. NE OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 07 16 34 17.0–1.5 38.14N–.07 142.5E–.10 14 3.4b 14 1-62
IDC XI 07 16 34 15.1–1.8 38.10N 142.50E 0 3.4b,3.3 **¶635636642**
JMA XI 07 16 34 19.0–.08 38.1N–.30 142.4E–.40 30–1 3.4,3.3
ISC Event type ke.
JMA Event type ke. E OFF MIYAGI PREF .
ISC XI 07 12 44 29.5–.56 40.20N–.04 142.36E–.04 50–4 4.5b,3.5s 202 0-88
NIED XI 07 12 44 28.6 40.15N 142.36E 40 4.3W,3.5s **¶621372286**
MOS XI 07 12 44 28.0–1.1 40.25N 142.33E 51 4.8b,3.5s
JMA XI 07 12 44 28.6–.07 40.1N–.20 142.4E–.30 40–0 4.3,4.3
NEIC XI 07 12 44 30.6–1.1 40.28N–.06 142.27E–.08 59–3 4.4b,4.3
IDC XI 07 12 44 30.1–1.7 40.18N 142.32E 56–14 4.1,3.8b
GFZ XI 07 12 44 31.0–.36 40N–4.0 142E–6.0 52–2 6.1b,5.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.98 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.86 $M_{r\theta}$0.96 $M_{\theta\phi}$-0.33 $M_{\phi r}$2.55 NP1:ϕ_s183.00000°,δ18.00000°,λ75.00000°. NP2:ϕ_s19.00000° ,δ72.00000°,λ95.00000°. M_o3.35000×10^{15}
JMA Event type fe. NE OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 06 15 07 37.2–1.2 39.45N–.05 142.39E–.09 52–10 3.8b 38 0-75
JMA XI 06 15 07 37.4–.05 39.4N–.10 142.4E–.10 48–0 3.9,3.9 **¶621415989**
IDC XI 06 15 07 38.4–2.1 39.50N 142.35E 62–18 3.9,3.6b
ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
IDC Error ellipse: s-maj=18.1km s-min=12.4km az=113.0.
ISC XI 07 18 08 30.2–.66 36.22N–.04 140.11E–.05 53–5 4.4b,3.5s 170 0-148
MOS XI 07 18 08 27.0–1.0 36.16N 140.20E 43 4.6b,3.5s **¶621372479**
IDC XI 07 18 08 30.9–1.6 36.17N 139.93E 57–13 4.3,4.0b
NEIC XI 07 18 08 31.6–1.4 36.21N–.06 140.04E–.08 59–4 4.4b,4.0b
NIED XI 07 18 08 31.3 36.20N 140.04E 52 4.2W,4.0b
JMA XI 07 18 08 31.3–.07 36.2N–.20 140.0E–.30 52–0 4.4,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.55 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$-0.12 $M_{r\theta}$1.31 $M_{\theta\phi}$-0.82 $M_{\phi r}$1.01 NP1:ϕ_s255.00000°,δ24.00000°,λ109.00000°. NP2:ϕ_s55.00000° ,δ67.00000°,λ82.00000°. M_o2.37000×10^{15}
JMA Event type fe. SW IBARAKI PREF .
ISC XI 08 15 34 43.4–1.7 39.42N–.03 142.14E–.07 26–12 3.6b 34 0-63
IDC XI 08 15 34 39.0–.96 39.34N 142.25E 0 3.7,3.6b **¶621423105**
JMA XI 08 15 34 45.5–.06 39.4N–.20 142.0E–.30 46–0 4.0,3.8
ISC Event type ke.
JMA Event type fe. SOUTHERN IWATE PREF .
ISC XI 09 14 54 07.4–1.7 40.2N–.10 142.1E–.20 35 3.6b 10 4-49
JMA XI 09 14 53 58.5–.04 39.7N–.20 143.3E–.20 14–0 3.2 **¶621423160**
IDC XI 09 14 54 01.6–1.9 40.06N 142.16E 0 3.6b,3.6
ISC Event type ke.

JMA Event type ke. FAR E OFF SANRIKU .
IDC Error ellipse: s-maj=38.9km s-min=16.2km az=117.0.
ISC XI 10 05 57 26.7–1.8 36.44N–.06 141.17E–.09 28–10 3.7b 27 0-78
NIED XI 10 05 57 27.6 36.45N 141.09E 42 3.7W **¶621440044**
JMA XI 10 05 57 27.6–.09 36.4N–.20 141.1E–.30 42–1 3.8
IDC XI 10 05 57 28.7–4.0 36.32N 141.12E 45–38 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.33 $M_{\theta\theta}$-2.10 $M_{\phi\phi}$-1.24 $M_{r\theta}$0.91 $M_{\theta\phi}$-1.66 $M_{\phi r}$-0.10 NP1:ϕ_s222.00000°,δ40.00000°,λ74.00000°. NP2:ϕ_s63.00000° ,δ51.00000°,λ103.00000°. M_o3.48000×10^{14}
JMA Event type fe. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=31.6km s-min=29.8km az=8.0.
ISC XI 11 03 21 26.4–.96 36.38N–.05 141.22E–.06 27–6 4.3b,3.3s 93 1-147
IDC XI 11 03 21 22.3–.58 36.38N 141.23E 0 4.1b,4.1 **¶621392748**
NIED XI 11 03 21 26.9 36.40N 141.13E 40 4.2W,4.1
JMA XI 11 03 21 26.9–.09 36.4N–.20 141.1E–.30 40–1 4.3,4.3
NEIC XI 11 03 21 27.9–1.7 36.38N–.06 141.22E–.08 32–5 4.5b,4.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.33 $M_{\theta\theta}$0.20 $M_{\phi\phi}$2.13 $M_{r\theta}$0.77 $M_{\theta\phi}$-0.67 $M_{\phi r}$-0.13 NP1:ϕ_s177.00000°,δ43.00000°,λ-67.00000°. NP2:ϕ_s327.00000° ,δ51.00000°,λ-110.00000°. M_o2.46000×10^{15}
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 10 13 08 56.0–1.0 40.16N–.04 142.37E–.06 45–9 4.2b 70 0-72
NIED XI 10 13 08 54.7 40.11N 142.47E 38 4.0W **¶621440060**
JMA XI 10 13 08 54.7–.07 40.1N–.20 142.5E–.30 38–0 3.9
NEIC XI 10 13 08 57.9–.97 40.28N–.06 142.26E–.07 59–7 4.3b
IDC XI 10 13 08 58.6–2.7 40.29N 142.35E 68–19 3.8,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.52 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.41 $M_{r\theta}$0.28 $M_{\theta\phi}$-0.19 $M_{\phi r}$0.85 NP1:ϕ_s211.00000°,δ15.00000°,λ102.00000°. NP2:ϕ_s19.00000° ,δ75.00000°,λ87.00000°. M_o1.03000×10^{15}
JMA Event type fe. NE OFF IWATE PREF .
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.4km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.6km s-min=16.0km az=125.0.
ISC XI 13 14 33 00.5–.94 35.52N–.05 140.10E–.05 70–7 3.6b 29 0-92
IDC XI 13 14 32 58.7–.85 34.74N 137.97E 0 3.6b,3.6 **¶621468605**
JMA XI 13 14 32 59.7–.16 35.6N–.40 140.1E–.60 71–1 3.0,3.6
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
ISC XI 12 02 13 50.0–.62 35.63N–.03 140.22E–.04 59–5 4.5b 288 0-125
MOS XI 12 02 13 48.4–1.1 35.69N 140.29E 57 4.7b **¶635640402**
JMA XI 12 02 13 50.1–.13 35.7N–.30 140.2E–.50 68–1 3.7
IDC XI 12 02 13 51.1–.37 35.51N 140.15E 69–3 4.3,4.0b
NEIC XI 12 02 13 51.9–1.2 35.65N–.02 140.16E–.07 71–5 4.5b,4.0b
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 11 17 01.2–.69 34.13N–.04 140.31E–.05 83–6 4.3b 82 1-93
NEIC XI 13 11 17 01.5–1.0 34.11N–.03 140.5E–.10 85–7 4.4b **¶621402729**
NIED XI 13 11 17 01.6 34.16N 140.29E 78 3.9W
JMA XI 13 11 17 01.6–.09 34.2N–.30 140.3E–.30 78–0 4.2,4.1
IDC XI 13 11 17 02.7–.90 34.08N 140.21E 92–7 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=4.5km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.51 $M_{\theta\theta}$-3.70 $M_{\phi\phi}$1.19 $M_{r\theta}$2.15 $M_{\theta\phi}$3.86 $M_{\phi r}$-6.31 NP1:ϕ_s261.00000°,δ33.00000°,λ19.00000°. NP2:ϕ_s155.00000° ,δ80.00000°,λ122.00000°. M_o8.37000×10^{14}
JMA Event type fe. FAR S OFF BOSO PENINSULA.
IDC Error ellipse: s-maj=20.8km s-min=7.2km az=75.0.
ISC XI 11 20 23 20.6–1.5 37.64N–.04 141.80E–.09 43–15 3.4b 31 1-58
IDC XI 11 20 23 12.5–1.8 37.88N 142.36E 0 3.7,3.6b **¶621449536**
NIED XI 11 20 23 22.6 37.71N 141.62E 50 3.6W,3.6b
JMA XI 11 20 23 22.6–.05 37.7N–.10 141.6E–.20 50–0 3.7,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.96 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-1.71 $M_{r\theta}$-0.63 $M_{\theta\phi}$0.37 $M_{\phi r}$-1.43 NP1:ϕ_s333.00000°,δ30.00000°,λ59.00000°. NP2:ϕ_s188.00000° ,δ65.00000°,λ106.00000°. M_o2.42000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC XI 16 22 46 32.3–1.5 37.60N–.05 141.78E–.09 46–12 4.1b 61 1-74
NEIC XI 16 22 46 32.7–1.3 37.62N–.07 141.8E–.10 48–5 4.2b **¶621475697**
IDC XI 16 22 46 32.3–2.3 37.69N 141.92E 50–20 3.8,3.6b
NIED XI 16 22 46 33.7 37.65N 141.59E 53 3.8W,3.6b
JMA XI 16 22 46 33.7–.05 37.7N–.10 141.6E–.20 53–0 4.2,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.31 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-3.29 $M_{r\theta}$0.96 $M_{\theta\phi}$-0.23 $M_{\phi r}$3.43 NP1:ϕ_s176.00000°,δ22.00000°,λ75.00000°. NP2:ϕ_s12.00000° ,δ69.00000°,λ96.00000°. M_o4.87000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC XI 15 01 28 12.7–2.5 38.45N–.06 142.2E–.10 25–14 3.8b 20 1-46
IDC XI 15 01 27 46.6–4.7 36.91N 145.25E 0 3.9b,3.8 **¶635643013**
JMA XI 15 01 28 12.9–.06 38.3N–.20 142.1E–.20 33–0 3.8,3.8
NIED XI 15 01 28 12.9 38.30N 142.10E 33 3.5W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=75.8km s-min=27.6km az=144.0.
JMA Event type ke. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.52 $M_{\theta\theta}$1.31 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.79 $M_{\theta\phi}$0.32 $M_{\phi r}$1.80 NP1:ϕ_s115.00000°,δ31.00000°,λ-13.00000°. NP2:ϕ_s216.00000° ,δ83.00000°,λ-120.00000°. M_o2.27000×10^{14}
ISC XI 15 22 48 33.6–.77 35.84N–.04 140.58E–.08 35 3.6b 23 0-91
IDC XI 15 22 48 28.4–.95 35.76N 140.73E 0 3.6b,3.6 **¶621475653**
NIED XI 15 22 48 32.9 35.87N 140.54E 37 3.8W,3.6
JMA XI 15 22 48 32.9–.11 35.9N–.30 140.5E–.40 37–1 3.8,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.52 $M_{\theta\theta}$-1.75 $M_{\phi\phi}$1.23 $M_{r\theta}$4.78 $M_{\theta\phi}$-1.27 $M_{\phi r}$3.21 NP1:ϕ_s293.00000°,δ11.00000°,λ149.00000°. NP2:ϕ_s53.00000° ,δ84.00000°,λ80.00000°. M_o5.97000×10^{14}
JMA Event type fe. SOUTHERN IBARAKI PREF .
ISC XI 22 23 52 01.0–.86 34.98N–.03 140.16E–.03 33–2 3.8b 32 0-70
NIED XI 22 23 52 00.9 35.02N 140.20E 33 3.7W **¶621611931**
JMA XI 22 23 52 00.9–.11 35.0N–.30 140.2E–.40 33–1 4.3,3.5
IDC XI 22 23 52 02.4–2.3 34.91N 140.06E 44–21 3.8,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.90 $M_{\theta\theta}$0.29 $M_{\phi\phi}$2.61 $M_{r\theta}$1.61 $M_{\theta\phi}$1.69 $M_{\phi r}$0.86 NP1:ϕ_s9.00000°,δ35.00000°,λ-121.00000°. NP2:ϕ_s225.00000° ,δ60.00000°,λ-70.00000°. M_o3.71000×10^{14}
JMA Event type fe. SE OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=36.7km s-min=11.7km az=79.0.
ISC XI 22 14 25 08.5–1.3 36.05N–.08 141.7E–.10 10 3.4b 8 1-50
JMA XI 22 14 25 14.0–.07 36.8N–.40 141.9E–.30 23–1 3.0 **¶621611915**
IDC XI 22 14 25 19.1–3.8 36.45N 141.67E 84–40 3.5,3.1b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=37.0km s-min=17.2km az=59.0.
ISC XI 22 14 33 05.0–1.2 35.89N–.04 140.92E–.09 10 3.4b 15 0-60
IDC XI 22 14 33 03.5–1.9 35.91N 140.95E 0 3.2b,3.2 **¶621611916**
JMA XI 22 14 33 06.2–.07 35.9N–.30 140.9E–.30 14–1 3.4,3.2
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
ISC XI 17 06 24 36.8–2.0 37.06N–.04 141.32E–.07 8–11 4.0b 77 0-147
NIED XI 17 06 24 39.1 37.17N 141.18E 19 4.0W **¶621494191**
JMA XI 17 06 24 39.1–.05 37.2N–.20 141.2E–.20 19–0 4.4,4.3
NEIC XI 17 06 24 41.2–1.7 36.92N–.07 141.41E–.09 39–5 4.5b,4.3
IDC XI 17 06 24 42.8–2.4 36.86N 141.34E 62–21 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-6.59 $M_{\theta\theta}$3.78 $M_{\phi\phi}$2.81 $M_{r\theta}$4.06 $M_{\theta\phi}$4.08 $M_{\phi r}$5.60 NP1:ϕ_s59.00000°,δ24.00000°,λ-72.00000°. NP2:ϕ_s219.00000° ,δ68.00000°,λ-98.00000°. M_o9.85000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.4km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.5km s-min=11.7km az=67.0.
JMA XI 18 05 56 18.4–.11 36.3N–.40 141.2E–.40 34–1 1.6
¶635645489
JMA Event type ke. E OFF IBARAKI PREF .
ISC XI 19 20 06 57.1–2.0 38.17N–.04 142.27E–.06 7–11 4.2b 75 1-146
IDC XI 19 20 06 57.2–.84 38.14N 142.25E 0 3.8b,3.8 **¶621590312**
NEIC XI 19 20 07 00.3–2.0 38.22N–.06 142.3E–.10 24–1 4.3b,3.8
JMA XI 19 20 07 00.9–.06 38.2N–.20 142.1E–.20 33–0 4.0,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF MIYAGI PREF .
ISC XI 20 13 50 16.5–2.9 37.37N–.05 141.90E–.09 29–20 3.8b 24 1-95
IDC XI 20 13 50 12.3–1.1 37.32N 142.04E 0 3.7b,3.7 **¶621590363**
NIED XI 20 13 50 17.1 37.41N 141.84E 42 3.4W,3.7
JMA XI 20 13 50 17.1–.07 37.4N–.20 141.8E–.20 42–0 3.5,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-1.10 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.53 $M_{\phi r}$-0.75 NP1:ϕ_s44.00000°,δ37.00000°,λ120.00000°. NP2:ϕ_s188.00000° ,δ58.00000°,λ69.00000°. M_o1.63000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC XI 16 20 42 40.2–1.8 39.16N–.05 142.40E–.10 31–11 3.8b 24 1-73
IDC XI 16 20 42 36.0–1.4 39.16N 142.48E 0 3.6b,3.5 **¶621475693**
JMA XI 16 20 42 40.8–.05 39.2N–.20 142.4E–.20 31–0 3.3,3.5
ISC Event type ke.
JMA Event type ke. E OFF IWATE PREF .
ISC XI 22 00 30 36.1–2.1 37.63N–.07 141.7E–.10 50–15 3.5b 21 1-58
NIED XI 22 00 30 37.0 37.67N 141.62E 55 3.6W **¶621611881**
JMA XI 22 00 30 37.0–.05 37.7N–.10 141.6E–.20 55–0 3.6
IDC XI 22 00 30 40.4–2.6 38.38N 140.22E 0 3.5b,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.82 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-1.06 $M_{r\theta}$-0.48 $M_{\theta\phi}$0.25 $M_{\phi r}$-2.24 NP1:ϕ_s324.00000°,δ15.00000°,λ44.00000°. NP2:ϕ_s191.00000° ,δ80.00000°,λ101.00000°. M_o2.50000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=57.9km s-min=28.2km az=80.0.
ISC XI 24 05 44 43.9–.77 36.37N–.05 141.63E–.06 29–4 4.6b,3.9s 153 1-155
IDC XI 24 05 44 38.9–.71 36.27N 141.64E 0 4.1b,4.1 **¶621452752**
JMA XI 24 05 44 42.1–.04 36.2N–.20 141.8E–.20 18–1 4.4,4.2
NIED XI 24 05 44 42.1 36.23N 141.79E 18 4.3W,4.2
MOS XI 24 05 44 43.2–1.1 36.37N 141.78E 48 4.7b,4.2
NEIC XI 24 05 44 44.5–2.5 36.40N–.07 141.7E–.10 35–1 4.6b,4.2
GFZ XI 24 05 44 46.5–.40 36N–5.0 142E–6.0 41 6.1,6.0
BJI XI 24 05 44 48.1 36.69N 141.00E 40 5.0b,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=10.5km az=105.0.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.14 $M_{\theta\theta}$0.27 $M_{\phi\phi}$-2.41 $M_{r\theta}$0.77 $M_{\theta\phi}$-1.02 $M_{\phi r}$2.62 NP1:ϕ_s202.00000°,δ21.00000°,λ95.00000°. NP2:ϕ_s17.00000° ,δ69.00000°,λ88.00000°. M_o3.66000×10^{15}
MOS Error ellipse: s-maj=12.4km s-min=6.4km az=117.4.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.9km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 23 09 48 42.3–.33 38.87N–.04 142.35E–.04 55–2 4.8b,3.5s 450 1-155
MOS XI 23 09 48 40.3–1.1 38.87N 142.33E 50 4.9b,3.5s **¶621449125**
NEIC XI 23 09 48 42.4–.90 38.90N–.06 142.22E–.08 51–5 4.8b,3.5s
NIED XI 23 09 48 42.1 38.91N 142.27E 47 4.5W,3.5s
IDC XI 23 09 48 42.6–.63 38.85N 142.27E 55–5 4.5,4.2b
BJI XI 23 09 48 42.0 38.86N 142.25E 67 5.1b,4.7b
JMA XI 23 09 48 42.1–.07 38.9N–.20 142.3E–.20 47–0 4.9,4.7
GFZ XI 23 09 48 43.9–.18 39N–3.0 142E–4.0 59 5.6b,5.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}7.35 $M_{\theta\theta}$-2.03 $M_{\phi\phi}$-5.32 $M_{r\theta}$-1.37 $M_{\theta\phi}$-1.06 $M_{\phi r}$-1.28 NP1:ϕ_s12.00000°,δ38.00000°,λ81.00000°. NP2:ϕ_s203.00000° ,δ52.00000°,λ97.00000°. M_o6.74000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC XI 24 08 06 33.7–.33 39.33N–.03 142.07E–.04 47–2 4.9b,3.8s 523 0-145
BJI XI 24 08 06 31.0 39.24N 142.25E 49 5.2b,5.0b **¶621452759**
MOS XI 24 08 06 33.0–.91 39.40N 142.01E 52 5.0b,5.0b
JMA XI 24 08 06 34.0–.07 39.3N–.20 142.1E–.30 48–0 4.7,4.6W
NIED XI 24 08 06 34.0 39.33N 142.09E 48 4.6W,4.6W
IDC XI 24 08 06 35.6–1.8 39.33N 141.91E 64–15 4.6,4.3b
GFZ XI 24 08 06 36.0–.30 39N–4.0 142E–5.0 54–2 5.7,5.6b
NEIC XI 24 08 06 36.2–1.4 39.42N–.06 141.9E–.10 60–5 4.8b,5.6b
ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.48 $M_{\theta\theta}$-0.75 $M_{\phi\phi}$-4.73 $M_{r\theta}$2.58 $M_{\theta\phi}$-1.68 $M_{\phi r}$5.17 NP1:ϕ_s196.00000°,δ22.00000°,λ82.00000°. NP2:ϕ_s25.00000° ,δ68.00000°,λ93.00000°. M_o7.92000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 24 13 41 24.6–.99 35.55N–.05 140.08E–.05 67–9 3.6b 21 0-59
JMA XI 24 13 41 24.1–.16 35.6N–.40 140.1E–.50 68–1 3.2 **¶621613987**
IDC XI 24 13 41 25.9–4.5 35.47N 139.98E 74–31 3.5,3.2b
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=66.3km s-min=23.4km az=64.0.
ISC XI 25 01 28 32.4–3.6 36.4N–.50 141.8E–.20 10 3.6b 8 1-51
IDC XI 25 01 28 20.8–5.3 35.16N 142.50E 0 3.7b,3.6 **¶635650211**
NIED XI 25 01 28 32.1 36.23N 141.84E 5 3.5W,3.6
JMA XI 25 01 28 32.1–.20 36.2N–.20 141.8E–.30 5–1 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.33 $M_{\theta\theta}$0.51 $M_{\phi\phi}$-1.84 $M_{r\theta}$0.80 $M_{\theta\phi}$-0.41 $M_{\phi r}$0.91 NP1:ϕ_s164.00000°,δ34.00000°,λ47.00000°. NP2:ϕ_s32.00000° ,δ65.00000°,λ115.00000°. M_o2.06000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC XI 24 10 28 21.2–.62 36.34N–.07 141.85E–.06 19 4.4b 114 1-147
IDC XI 24 10 28 16.9–.64 36.20N 141.94E 0 4.1b,4.1 **¶621453095**
NIED XI 24 10 28 21.2 36.23N 141.83E 5 4.1W,4.1
JMA XI 24 10 28 21.2–.20 36.2N–.20 141.8E–.30 5–1 4.1,4.1
MOS XI 24 10 28 22.9–.71 36.53N 141.82E 38 4.5b,4.1
NEIC XI 24 10 28 25.5–1.1 36.52N–.09 141.7E–.10 38–9 4.4b,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.85 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-1.20 $M_{r\theta}$0.46 $M_{\theta\phi}$-0.19 $M_{\phi r}$0.87 NP1:ϕ_s163.00000°,δ28.00000°,λ52.00000°. NP2:ϕ_s25.00000° ,δ68.00000°,λ108.00000°. M_o1.45000×10^{15}
JMA Event type ke. FAR E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 24 12 24 46.0–1.4 36.26N–.09 141.18E–.09 32 3.3b 13 0-60
IDC XI 24 12 24 40.5–2.5 36.37N 141.38E 0 3.2b,3.1 **¶621613979**
JMA XI 24 12 24 46.6–.07 36.3N–.30 141.2E–.30 26–1 3.2,3.1
ISC Event type ke.

JMA Event type ke. E OFF IBARAKI PREF .
ISC XI 24 18 51 28.6–.78 36.18N–.07 141.86E–.08 23 4.0b 64 1-75
IDC XI 24 18 51 25.3–.93 36.21N 141.89E 0 3.9b,3.9 **¶621460290**
NIED XI 24 18 51 29.5 36.23N 141.78E 22 3.9W,3.9
JMA XI 24 18 51 29.5–.04 36.2N–.20 141.8E–.30 22–1 3.8,3.9
NEIC XI 24 18 51 29.9–1.4 36.19N–.04 141.87E–.07 29–6 4.2b,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.48 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-5.64 $M_{r\theta}$1.38 $M_{\theta\phi}$-2.74 $M_{\phi r}$5.37 NP1:ϕ_s209.00000°,δ24.00000°,λ102.00000°. NP2:ϕ_s16.00000° ,δ66.00000°,λ85.00000°. M_o8.26000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 27 22 04 05.3–1.7 37.70N–.05 141.8E–.10 44–17 3.9b 31 1-58
IDC XI 27 22 03 59.5–1.6 37.72N 141.96E 0 3.7,3.6b **¶621615776**
NIED XI 27 22 04 06.1 37.73N 141.71E 53 3.7W,3.6b
JMA XI 27 22 04 06.1–.04 37.7N–.10 141.7E–.20 53–0 3.9,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.86 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-1.63 $M_{r\theta}$-1.42 $M_{\theta\phi}$0.18 $M_{\phi r}$-2.58 NP1:ϕ_s6.00000°,δ19.00000°,λ74.00000°. NP2:ϕ_s203.00000° ,δ72.00000°,λ96.00000°. M_o3.65000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC XI 24 20 01 46.3–1.6 36.5N–.10 141.7E–.10 26 3.5b 9 1-60
IDC XI 24 20 01 41.4–1.8 36.87N 141.88E 0 3.4b,3.4 **¶635650071**
JMA XI 24 20 01 43.2–.04 36.2N–.20 141.8E–.30 22–1 3.4,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC XI 28 14 54 40.5–.39 35.05N–.04 141.40E–.04 10 4.4b 189 1-148
MOS XI 28 14 54 38.9–1.2 35.10N 141.49E 10 4.6b **¶621480813**
GFZ XI 28 14 54 38.8–.26 35N–3.0 142E–4.0 10 5.5b,5.0
IDC XI 28 14 54 40.0–.55 35.01N 141.28E 0 4.1b,4.1
NEIC XI 28 14 54 40.6–1.6 35.07N–.05 141.51E–.08 10–1 4.5b,4.1
JMA XI 28 14 54 43.3–.09 35.1N–.40 141.3E–.50 9–1 4.4,4.0
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XI 28 15 09 50.4–2.8 35.06N–.06 141.37E–.08 12–17 3.6b 20 1-59
IDC XI 28 15 09 49.1–1.1 35.07N 141.42E 0 3.6b,3.6 **¶621625180**
JMA XI 28 15 09 52.8–.10 35.1N–.40 141.3E–.50 9–1 2.9,3.6
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XI 30 15 33 32.9–.95 35.23N–.07 141.5E–.10 27 3.7s,3.7b 26 1-95
IDC XI 30 15 33 29.6–1.0 35.27N 141.41E 0 3.7b,3.7 **¶621627067**
JMA XI 30 15 33 33.8–.06 35.2N–.40 141.3E–.40 15–1 3.3,3.7
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XI 30 15 55 36.4–.55 35.22N–.05 141.45E–.07 10 4.4b,3.5s 75 1-79
IDC XI 30 15 55 35.3–.87 35.20N 141.43E 0 3.8L,3.8b **¶621532549**
NEIC XI 30 15 55 36.7–1.4 35.20N–.06 141.5E–.10 10–1 4.6b,3.8b
NIED XI 30 15 55 39.9 35.21N 141.31E 14 4.3W,3.8b
JMA XI 30 15 55 39.9–.05 35.2N–.30 141.3E–.40 14–0 3.5,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.07 $M_{\theta\theta}$0.70 $M_{\phi\phi}$-2.77 $M_{r\theta}$-0.79 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.18 NP1:ϕ_s215.00000°,δ40.00000°,λ131.00000°. NP2:ϕ_s346.00000° ,δ61.00000°,λ61.00000°. M_o2.91000×10^{15}
JMA Event type ke. E OFF BOSO PENINSULA .
JMA XI 30 15 56 47.5–.08 35.2N–.60 141.3E–.50 13–1 3.6
¶635653717
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XI 29 18 51 34.0–.91 39.63N–.04 142.11E–.08 50–7 4.1b 74 0-73
NIED XI 29 18 51 34.2 39.64N 142.11E 49 3.8W **¶621615780**
JMA XI 29 18 51 34.2–.07 39.6N–.20 142.1E–.30 49–0 4.0,3.9
IDC XI 29 18 51 35.2–2.2 39.59N 142.07E 60–18 3.9,3.6b
NEIC XI 29 18 51 36.0–1.8 39.72N–.06 142.0E–.10 64–8 4.2b,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.19 $M_{\theta\theta}$2.21 $M_{\phi\phi}$-0.02 $M_{r\theta}$-0.07 $M_{\theta\phi}$-1.83 $M_{\phi r}$5.80 NP1:ϕ_s278.00000°,δ23.00000°,λ-158.00000°. NP2:ϕ_s168.00000° ,δ82.00000°,λ-69.00000°. M_o6.31000×10^{14}
JMA Event type fe. E OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 15 35 39.8–1.1 35.21N–.08 141.52E–.08 10 3.8b 13 1-59
IDC XI 30 15 35 39.2–1.4 35.26N 141.49E 0 3.7b,3.7 **¶621627068**
JMA XI 30 15 35 43.4–.05 35.2N–.30 141.3E–.30 13–0 3.1,3.7
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XI 30 23 30 08.1–.47 35.15N–.05 141.50E–.06 10 4.4b,3.5s 132 1-91
MOS XI 30 23 30 06.2–.84 35.20N 141.61E 15 4.5b,3.5s **¶621564915**
NEIC XI 30 23 30 07.8–1.2 35.16N–.06 141.59E–.10 10–1 4.6b,3.5s
IDC XI 30 23 30 08.4–.67 35.26N 141.28E 0 4.0b,4.0
NIED XI 30 23 30 11.9 35.24N 141.32E 14 4.3W,4.0
JMA XI 30 23 30 11.9–.04 35.2N–.30 141.3E–.30 14–0 3.7,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.66 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-2.89 $M_{r\theta}$-0.93 $M_{\theta\phi}$-1.52 $M_{\phi r}$1.65 NP1:ϕ_s228.00000°,δ41.00000°,λ133.00000°. NP2:ϕ_s357.00000° ,δ61.00000°,λ60.00000°. M_o3.69000×10^{15}
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XI 30 19 47 01.9–2.0 38.2N–.10 142.3E–.10 35 3.3b 11 1-46
IDC XI 30 19 46 53.5–7.6 37.50N 143.29E 42–36 3.5,3.3b **¶621627085**
JMA XI 30 19 46 58.5–.07 37.9N–.20 142.4E–.30 29–0 3.1,3.3b
ISC Event type ke.
JMA Event type ke. SE OFF MIYAGI PREF .
ISC XI 30 16 02 38.8–.66 35.20N–.06 141.32E–.08 27 4.3b 60 1-85
IDC XI 30 16 02 34.8–.75 35.22N 141.27E 0 3.9,3.8b **¶621532552**
JMA XI 30 16 02 39.1–.05 35.2N–.30 141.3E–.30 16–0 3.4,3.8b
NEIC XI 30 16 02 53.9–1.1 36.2N–.10 140.2E–.10 71–9 4.9b,3.8b
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 01 00 44 05.1–1.5 35.10N–.07 141.0E–.10 48 3.8b 15 0-59
JMA XII 01 00 44 01.6–.04 35.2N–.30 141.3E–.30 17–0 3.1 **¶621629775**
IDC XII 01 00 44 10.4–5.0 34.95N 140.26E 68–31 3.6,3.4b
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=77.3km s-min=7.4km az=72.0.
ISC XI 30 18 40 52.7–.94 35.18N–.07 141.47E–.09 27 3.8b 14 1-59
IDC XI 30 18 40 49.8–1.1 35.26N 141.53E 0 3.7L,3.7b **¶621627083**
JMA XI 30 18 40 54.0–.04 35.2N–.20 141.3E–.20 15–0 3.1,3.7b
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 08 20 23.5–1.4 35.24N–.07 141.4E–.10 10 3.6b 15 1-59
IDC XII 01 08 20 21.2–1.0 35.32N 141.68E 0 3.8,3.7b **¶621629799**
JMA XII 01 08 20 26.8–.04 35.2N–.30 141.3E–.30 15–0 3.1,3.7b
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 04 09 16.8–.37 35.20N–.04 141.33E–.05 27 4.5b,3.7s 266 1-148
BJI XII 01 04 09 11.3 35.31N 141.40E 7 5.1b,4.6b **¶621564952**
MOS XII 01 04 09 13.1–1.1 35.26N 141.38E 11 4.9b,4.6b
IDC XII 01 04 09 13.4–.51 35.22N 141.19E 0 4.2b,4.2
NEIC XII 01 04 09 14.8–1.7 35.23N–.05 141.42E–.09 10–1 4.7b,4.2
GFZ XII 01 04 09 16.8–.30 35N–3.0 142E–5.0 35 4.8b,4.8
JMA XII 01 04 09 17.3–.05 35.2N–.30 141.3E–.40 15–0 4.5,4.1
NIED XII 01 04 09 17.3 35.21N 141.29E 15 4.5W,4.1
ISC Event type ke.
MOS Error ellipse: s-maj=9.8km s-min=5.2km az=121.9.
IDC Error ellipse: s-maj=11.8km s-min=10.0km az=106.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.3km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type ke. E OFF BOSO PENINSULA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.43 $M_{\theta\theta}$2.32 $M_{\phi\phi}$-5.75 $M_{r\theta}$-2.37 $M_{\theta\phi}$-1.46 $M_{\phi r}$3.20 NP1:ϕ_s223.00000°,δ42.00000°,λ148.00000°. NP2:ϕ_s338.00000° ,δ69.00000°,λ53.00000°. M_o6.55000×10^{15}
ISC XII 01 07 24 48.6–.72 35.21N–.06 141.52E–.07 10 4.3b,2.9s 43 1-148
IDC XII 01 07 24 48.0–.95 35.27N 141.48E 0 3.8b,3.8 **¶621629794**
NEIC XII 01 07 24 49.0–2.4 35.23N–.07 141.7E–.10 13–5 4.4b,3.8
JMA XII 01 07 24 52.1–.04 35.2N–.20 141.3E–.30 16–0 3.4,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 06 04 53.5–.32 35.20N–.04 141.24E–.04 10 4.9b,4.4s 536 1-148
BJI XII 01 06 04 50.6 35.19N 141.30E 8 5.3b,4.9s **¶621564961**
MOS XII 01 06 04 51.7–.99 35.18N 141.29E 10 5.1b,4.5s
IDC XII 01 06 04 52.3–.47 35.25N 141.31E 0 4.6b,4.6
NEIC XII 01 06 04 53.8–1.7 35.14N–.05 141.33E–.08 10–1 4.9b,4.6
GFZ XII 01 06 04 53.3–.29 35N–3.0 142E–4.0 10 6.0b,5.6
NIED XII 01 06 04 56.1 35.23N 141.29E 15 4.9W,5.6
JMA XII 01 06 04 56.1–.04 35.2N–.20 141.3E–.30 15–0 4.9,4.9W
BGR XII 01 06 04 58.8 35.17N 141.02E 33 5.1b,4.6s
GCMT XII 01 06 04 59.2–.30 35.18N–.02 141.45E–.03 31–0 4.9W,4.6s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.31 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-2.07 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.44 $M_{\phi r}$1.44 NP1:ϕ_s180.00000°,δ25.00000°,λ78.00000°. NP2:ϕ_s14.00000° ,δ65.00000°,λ96.00000°. M_o2.27000×10^{16}
JMA Event type fe. E OFF BOSO PENINSULA .
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112010604A. Moment Tensor Solution. s45,c54; s101,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.79±.14 $M_{\theta\theta}$-0.44±.09; $M_{\phi\phi}$-2.35±.09; $M_{r\theta}$0.01±.12; $M_{\theta\phi}$-0.65±.06; $M_{\phi r}$1.86±.10; Best double couple: NP1:ϕ_s204.00000°,δ29.00000° ,λ104.00000°. NP2:ϕ_s8.00000°,δ62.00000°,λ82.00000°. Principal axes: T 3.4020,Plg72.0000°,Azm261.0000°; N -0.3050,Plg7.0000°,Azm12.0000° ; P -3.0960,Plg17.0000°,Azm104.0000° M_o3.24900×10^{16}
JMA XII 01 06 09 10.3–.08 35.2N–.60 141.3E–.50 14–1 2.3
¶625600423
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 08 44 41.9–.98 35.26N–.06 141.32E–.09 25 3.7b 21 1-79
IDC XII 01 08 44 37.8–1.0 35.30N 141.58E 0 3.8b,3.8 **¶635654088**
JMA XII 01 08 44 42.8–.05 35.3N–.30 141.3E–.30 13–0 3.4,3.8
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 08 49 51.7–.69 35.16N–.05 141.37E–.06 10 4.2b 45 1-85
IDC XII 01 08 49 49.9–1.0 35.24N 141.48E 0 3.9b,3.9 **¶621629802**
NEIC XII 01 08 49 52.1–2.3 35.16N–.05 141.41E–.10 10–1 4.4b,3.9
JMA XII 01 08 49 54.3–.04 35.2N–.20 141.3E–.30 16–0 3.4,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 09 00 27.5–1.5 35.24N–.06 141.4E–.10 10 3.8b 14 1-59
IDC XII 01 09 00 24.6–1.5 35.35N 141.67E 0 3.7b,3.6 **¶621629804**
JMA XII 01 09 00 30.3–.04 35.2N–.20 141.3E–.30 16–0 3.0,3.6
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 04 49 29.9–.62 35.28N–.05 141.45E–.08 25 4.2b,3.5s 53 1-90
IDC XII 01 04 49 26.8–.77 35.26N 141.47E 0 3.9,3.8b **¶621629787**
NEIC XII 01 04 49 28.3–1.6 35.28N–.04 141.5E–.10 10–1 4.7b,3.8b
JMA XII 01 04 49 31.6–.05 35.2N–.30 141.3E–.30 15–0 3.4,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF BOSO PENINSULA .
JMA XII 01 09 27 13.4–.16 35N–1.0 141E–1.0 14–2
¶625600425
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 09 35 12.2–2.3 35.21N–.09 141.4E–.20 10 8 1-59
IDC XII 01 09 35 08.3–2.2 35.29N 141.81E 0 3.4b,3.3 **¶621629805**
JMA XII 01 09 35 14.9–.04 35.2N–.30 141.3E–.30 15–0 2.6,3.3
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 10 22 32.9–.46 35.24N–.04 141.43E–.06 10 4.6b,3.8s 125 1-148
BJI XII 01 10 22 30.8 35.37N 141.44E 11 4.9b,4.6b **¶621568632**
MOS XII 01 10 22 30.3–1.1 35.22N 141.58E 10 4.7b,4.6b
IDC XII 01 10 22 31.5–.54 35.20N 141.40E 0 4.4b,4.3
NEIC XII 01 10 22 33.3–1.9 35.22N–.06 141.5E–.10 10–1 4.8b,4.3
NIED XII 01 10 22 36.0 35.24N 141.31E 16 4.6W,4.3
JMA XII 01 10 22 36.0–.04 35.2N–.20 141.3E–.30 16–0 4.6,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}6.68 $M_{\theta\theta}$1.42 $M_{\phi\phi}$-8.11 $M_{r\theta}$-0.67 $M_{\theta\phi}$-2.42 $M_{\phi r}$2.92 NP1:ϕ_s208.00000°,δ37.00000°,λ112.00000°. NP2:ϕ_s1.00000° ,δ56.00000°,λ74.00000°. M_o8.30000×10^{15}
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 05 08 33.7–.48 35.23N–.05 141.39E–.06 10 4.4b,3.7s 87 1-148
IDC XII 01 05 08 32.7–.61 35.19N 141.37E 0 4.1b,4.1 **¶621568623**
NEIC XII 01 05 08 33.8–1.7 35.20N–.06 141.42E–.09 10–1 4.5b,4.1
JMA XII 01 05 08 37.0–.04 35.2N–.20 141.3E–.30 15–0 3.8,4.1
NIED XII 01 05 08 37.0 35.24N 141.29E 15 4.2W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=15.6km s-min=10.9km az=97.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.0km az=278.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF BOSO PENINSULA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.29 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-1.21 $M_{r\theta}$-0.12 $M_{\theta\phi}$-0.82 $M_{\phi r}$1.41 NP1:ϕ_s232.00000°,δ30.00000°,λ133.00000°. NP2:ϕ_s5.00000° ,δ68.00000°,λ69.00000°. M_o2.05000×10^{15}
JMA XII 01 10 28 35.9–.18 35.3N–.60 141.3E–.90 17–1
¶625600428
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 17 44 23.6–.81 35.24N–.06 141.38E–.09 10 4.1b 27 1-59
IDC XII 01 17 44 21.8–1.4 35.27N 141.59E 0 3.9,3.8b **¶621629837**
NEIC XII 01 17 44 24.2–1.9 35.22N–.06 141.35E–.08 10–1 4.3b,3.8b
JMA XII 01 17 44 26.7–.05 35.2N–.30 141.3E–.30 14–0 3.0,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 10 49 34.2–1.6 35.24N–.08 141.4E–.10 10 3.6b 11 1-59
JMA XII 01 10 49 36.4–.04 35.3N–.20 141.3E–.20 14–0 2.7 **¶621629806**
IDC XII 01 10 49 42.0–1.1 34.18N 138.05E 0 3.6b,3.6
ISC Event type se.
JMA Event type ke. E OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=35.0km s-min=17.7km az=70.0.
ISC XII 01 11 35 47.9–1.8 35.24N–.09 141.3E–.10 10 3.6b 9 1-59
JMA XII 01 11 35 50.5–.06 35.2N–.30 141.3E–.30 15–0 2.9 **¶621629810**

IDC XII 01 11 35 55.9–1.1 34.29N 137.93E 0 3.6b,3.6
ISC Event type se.
JMA Event type ke. E OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=29.3km s-min=17.1km az=64.0.
ISC XII 01 14 25 11.8–2.1 35.21N–.09 141.4E–.10 10 9 1-59
IDC XII 01 14 25 09.1–2.1 35.29N 141.63E 0 3.5b,3.5 ¶621629823
JMA XII 01 14 25 14.0–.05 35.2N–.30 141.3E–.30 16–0 2.7,3.5
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 14 38 30.6–1.4 36.35N–.04 141.11E–.07 35–4 3.6b 26 0-65
IDC XII 01 14 38 25.6–1.0 36.37N 141.25E 0 3.7b,3.7 ¶621629824
JMA XII 01 14 38 30.4–.10 36.4N–.30 141.1E–.30 39–1 3.2,3.7
ISC Event type ke.
JMA Event type ke. E OFF IBARAKI PREF .
ISC XII 01 23 58 00.6–1.0 36.18N–.04 140.02E–.05 69–8 3.5b 24 0-60
JMA XII 01 23 58 01.2–.07 36.2N–.20 140.0E–.30 64–0 3.5 ¶621629858
IDC XII 01 23 58 04.8–2.1 35.86N 139.56E 92–13 3.7,3.3b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=41.5km s-min=8.6km az=65.0.
ISC XII 01 21 09 20.8–1.1 35.28N–.07 141.45E–.09 10 3.6b 13 1-59
IDC XII 01 21 09 19.4–1.3 35.29N 141.59E 0 3.6,3.5b ¶621629848
JMA XII 01 21 09 24.1–.04 35.3N–.20 141.3E–.30 15–0 2.7,3.5b
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 16 52 22.6–.82 35.15N–.06 141.29E–.07 10 3.7b 18 1-79
IDC XII 01 16 52 20.8–.91 35.10N 141.26E 0 3.7b,3.7 ¶635654307
JMA XII 01 16 52 24.8–.04 35.2N–.20 141.3E–.30 16–0 3.2,3.7
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
JMA XII 01 16 58 17.6–.08 35.2N–.50 141.3E–.50 14–1 1.7
¶621590443
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 01 16 58 37.6–.23 36.16N–.03 140.02E–.03 66–1 5.1b 1094 0-156
BJI XII 01 16 58 29.8 35.95N 140.49E 52 5.3b,5.1b ¶635654313
IDC XII 01 16 58 34.6–1.7 36.25N 139.98E 33–13 4.9,4.7b
MOS XII 01 16 58 36.6–.99 36.21N 139.96E 67 5.3b,4.3s
NEIC XII 01 16 58 36.6–2.0 36.19N–.05 140.09E–.07 52–4 5.1b,4.9
NEIC XII 01 16 58 38.1 36.20N 140.05E 65 5.1b,4.9
GFZ XII 01 16 58 38.4–.21 36N–2.0 140E–3.0 64–1 6.0,6.0
NIED XII 01 16 58 38.8 36.22N 139.99E 65 4.9W,6.0
NEIC XII 01 16 58 38.1 36.20N 140.05E 65 4.9W,6.0
JMA XII 01 16 58 38.8–.06 36.2N–.20 140.0E–.20 65–0 5.1,4.9W
BGR XII 01 16 58 41.7 36.23N 138.46E 52–1 5.2b,4.9W
GCMT XII 01 16 58 41.2–.30 36.44N–.02 139.88E–.02 98–3 5.0W,4.9W
NEIC XII 01 16 58 45.9 36.10N 139.80E 50 5.0,4.9W
ISC Event type ke.
IDC Error ellipse: s-maj=11.4km s-min=8.1km az=91.0.
MOS Error ellipse: s-maj=6.0km s-min=3.7km az=116.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.3km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.89 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$0.93 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.99 $M_{\phi r}$2.50 NP1:ϕ_s173.17000°,δ81.13000°,λ-112.59000°. NP2:ϕ_s62.85000°,δ24.19000° ,λ-22.10000°. Principal axes: T 2.7660,Plg32.0000°,Azm282.0000°; N 0.2605,Plg22.0000° ,Azm177.0000°; P -3.0265,Plg49.0000°,Azm59.0000° $M_0$2.91000×10^{16}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.82 $M_{\theta\theta}$0.18 $M_{\phi\phi}$0.64 $M_{r\theta}$0.03 $M_{\theta\phi}$1.08 $M_{\phi r}$2.41 NP1:ϕ_s73.00000°,δ24.00000°,λ-24.00000°. NP2:ϕ_s185.00000° ,δ81.00000°,λ-112.00000°. $M_0$2.74000×10^{16}
NEIC Event type se.
JMA Event type fe. SW IBARAKI PREF .
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112011658A. Moment Tensor Solution. s30,c39; s100,c150; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.53±.12 $M_{\theta\theta}$-1.13±.13; $M_{\phi\phi}$1.67±.13; $M_{r\theta}$-0.54±.08; $M_{\theta\phi}$2.52±.13; $M_{\phi r}$2.44±.06; Best double couple: NP1:ϕ_s74.00000°,δ48.00000° ,λ-7.00000°. NP2:ϕ_s169.00000°,δ85.00000°,λ-138.00000°. Principal axes: T 3.9760,Plg24.0000°,Azm294.0000°; N -0.2760,Plg48.0000°,Azm174.0000° ; P -3.6940,Plg32.0000°,Azm40.0000° $M_0$3.83500×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.48 $M_{\theta\theta}$1.68 $M_{\phi\phi}$0.79 $M_{r\theta}$-0.43 $M_{\theta\phi}$1.52 $M_{\phi r}$2.35 NP1:ϕ_s76.68000°,δ39.54000° ,λ-42.70000°. NP2:ϕ_s202.11000°,δ64.43000°,λ-121.24000°. Principal axes: T 3.0887,Plg14.0000°,Azm314.0000°; N 0.8348,Plg28.0000°,Azm217.0000° ; P -3.9235,Plg58.0000°,Azm68.0000° $M_0$3.58000×10^{16}
ISC XII 02 08 24 47.4–.37 37.67N–.03 141.84E–.04 55–2 4.8b,3.5s 486 1-146
BJI XII 02 08 24 43.9 37.54N 142.09E 62 5.3b,4.8b ¶621606970
MOS XII 02 08 24 45.6–.93 37.79N 141.75E 46 5.1b,4.8b
NIED XII 02 08 24 47.4 37.67N 141.71E 53 4.5W,4.8b
JMA XII 02 08 24 47.4–.04 37.7N–.10 141.7E–.20 53–0 4.7,4.5W
IDC XII 02 08 24 48.8–1.9 37.64N 141.67E 63–17 4.6,4.3b
NEIC XII 02 08 24 48.4–1.1 37.72N–.06 141.8E–.10 57–6 4.8b,4.3b
GFZ XII 02 08 24 51.5–.34 38N–3.0 141E–5.0 45 6.3b,6.0
ISC Event type ke.
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.09 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-4.78 $M_{r\theta}$2.14 $M_{\theta\phi}$-2.95 $M_{\phi r}$-0.77 NP1:ϕ_s184.00000°,δ49.00000°,λ57.00000°. NP2:ϕ_s49.00000° ,δ51.00000°,λ122.00000°. $M_0$6.18000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 02 09 40 36.8–.53 35.23N–.05 141.44E–.05 10 4.4b 89 1-148
IDC XII 02 09 40 35.9–.63 35.20N 141.36E 0 4.0b,4.0 ¶621608999
NEIC XII 02 09 40 37.5–1.6 35.22N–.05 141.42E–.06 10–1 4.5b,4.0
JMA XII 02 09 40 40.2–.04 35.3N–.20 141.3E–.20 15–0 4.3,3.6
NIED XII 02 09 40 40.2 35.26N 141.30E 15 4.2W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=13.2km s-min=10.8km az=95.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=3.6km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF BOSO PENINSULA .
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.39 $M_{\theta\theta}$0.44 $M_{\phi\phi}$-1.83 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.48 $M_{\phi r}$1.08 NP1:ϕ_s208.00000°,δ31.00000°,λ115.00000°. NP2:ϕ_s359.00000° ,δ62.00000°,λ76.00000°. $M_0$1.99000×10^{15}
ISC XII 02 09 44 34.3–.43 35.26N–.05 141.35E–.05 25 4.5b,3.7s 152 1-148
MOS XII 02 09 44 30.6–1.1 35.29N 141.49E 14 4.7b,3.7s ¶635654722
IDC XII 02 09 44 31.1–.54 35.23N 141.29E 0 4.3b,4.2
NEIC XII 02 09 44 33.2–2.0 35.17N–.06 141.26E–.10 10–1 4.6b,4.2
JMA XII 02 09 44 35.4–.04 35.3N–.20 141.3E–.30 14–0 4.4,3.9
NIED XII 02 09 44 35.4 35.26N 141.30E 14 4.2W,3.9
ISC Event type ke.
MOS Error ellipse: s-maj=10.3km s-min=5.7km az=108.2.
IDC Error ellipse: s-maj=12.2km s-min=10.3km az=91.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.5km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF BOSO PENINSULA .
NIED Moment Tension Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.53 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-2.13 $M_{r\theta}$0.12 $M_{\theta\phi}$-0.20 $M_{\phi r}$1.38 NP1:ϕ_s184.00000°,δ27.00000°,λ89.00000°. NP2:ϕ_s5.00000° ,δ63.00000°,λ91.00000°. $M_0$2.30000×10^{15}
ISC XII 02 09 49 42.5–2.0 35.16N–.09 141.2E–.10 10 9 1-59
IDC XII 02 09 49 40.3–2.4 35.18N 141.31E 0 3.4b,3.4 ¶621629880
JMA XII 02 09 49 42.4–.05 35.3N–.30 141.3E–.30 13–0 2.5,3.4
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 02 09 52 17.3–1.4 35.30N–.06 141.33E–.09 10 3.8b 16 1-59
JMA XII 02 09 52 20.6–.04 35.3N–.20 141.3E–.30 13–0 2.9 ¶621629881

IDC XII 02 09 52 25.4–.98 34.29N 137.94E 0 3.7b,3.7
ISC Event type se.
JMA Event type ke. E OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=25.9km s-min=14.1km az=74.0.
ISC XII 02 10 03 41.9–1.9 35.4N–.10 141.4E–.10 10 10 1-59
IDC XII 02 10 03 41.5–2.3 35.22N 141.83E 0 3.3b,3.2 ¶621629883
JMA XII 02 10 03 46.4–.04 35.2N–.20 141.3E–.20 14–0 2.4,3.2
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 04 09 11 34.0–1.7 35.31N–.09 141.4E–.10 10 4.1s,3.6b 10 1-70
JMA XII 04 09 11 37.9–.05 35.2N–.30 141.3E–.30 14–0 2.6,3.6b ¶621630656
IDC XII 04 09 11 44.5–2.1 34.03N 138.09E 0 4.0s,3.4b
ISC Event type se.
JMA Event type ke. E OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=61.6km s-min=28.8km az=41.0.
ISC XII 05 08 49 44.8–2.1 35.03N–.05 141.34E–.07 12–12 4.1b 63 0-125
IDC XII 05 08 49 43.6–.67 34.97N 141.30E 0 3.9b,3.9 ¶621631241
NEIC XII 05 08 49 44.7–1.6 34.96N–.06 141.4E–.10 10–1 4.4b,3.9
JMA XII 05 08 49 46.8–.08 35.1N–.30 141.2E–.30 8–0 3.4,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 05 15 49 51.0–.75 35.01N–.05 141.31E–.06 10 3.6b 27 0-125
IDC XII 05 15 49 49.2–.73 35.01N 141.40E 0 3.7b,3.7 ¶635657611
JMA XII 05 15 49 52.5–.09 35.1N–.30 141.2E–.40 8–0 3.3,3.7
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC XII 06 08 09 35.1–.63 37.62N–.04 141.49E–.05 54–5 4.5b,3.4s 262 0-148
MOS XII 06 08 09 33.5–1.1 37.58N 141.49E 58 4.6b,3.4s ¶621613082
JMA XII 06 08 09 35.7–.06 37.7N–.20 141.3E–.20 61–0 4.7,4.3
NIED XII 06 08 09 35.7 37.67N 141.31E 61 4.2W,4.3
IDC XII 06 08 09 37.9–1.5 37.62N 141.29E 77–14 4.3,4.0b
NEIC XII 06 08 09 37.1–1.0 37.66N–.06 141.3E–.10 69–5 4.5b,4.0b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.25 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-1.42 $M_{r\theta}$-0.79 $M_{\theta\phi}$-0.66 $M_{\phi r}$-0.44 NP1:ϕ_s26.00000°,δ35.00000°,λ76.00000°. NP2:ϕ_s223.00000° ,δ56.00000°,λ99.00000°. $M_0$2.23000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 07 03 18 31.6–1.2 35.57N–.09 141.9E–.10 22 3.6b 9 3-59
JMA XII 07 03 18 28.1–.07 35.4N–.20 142.0E–.20 7–0 3.1 ¶621632639
IDC XII 07 03 18 29.3–1.4 35.71N 142.01E 0 3.6L,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF KANTO .
IDC Error ellipse: s-maj=33.3km s-min=19.9km az=74.0.
ISC XII 07 19 30 29.6–2.3 38.48N–.07 142.2E–.10 29–12 3.6b 19 1-59
IDC XII 07 19 30 23.0–2.2 38.60N 142.75E 0 3.5b,3.4 ¶621632692
JMA XII 07 19 30 30.5–.06 38.5N–.20 142.1E–.20 41–0 3.6,3.4
ISC Event type ke.
JMA Event type ke. E OFF MIYAGI PREF .
ISC XII 07 01 10 27.6–.47 36.14N–.05 141.88E–.06 23 4.4b,3.7s 137 1-147
IDC XII 07 01 10 24.2–.54 36.08N 141.93E 0 4.0b,4.0 ¶621615814
NIED XII 07 01 10 28.1 36.10N 141.88E 15 4.2W,4.0
JMA XII 07 01 10 28.1–.04 36.1N–.20 141.9E–.20 15–0 4.4,4.0
BJI XII 07 01 10 29.5 36.49N 141.74E 33 4.8b,4.6b
NEIC XII 07 01 10 30.1–.95 36.14N–.05 141.9E–.10 35–1 4.6b,4.6b
MOS XII 07 01 10 31.5–.74 36.56N 141.68E 42 4.6b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=11.1km s-min=8.6km az=91.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.46 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-1.65 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.81 $M_{\phi r}$1.06 NP1:ϕ_s217.00000°,δ31.00000°,λ115.00000°. NP2:ϕ_s8.00000° ,δ62.00000°,λ76.00000°. $M_0$2.02000×10^{15}
JMA Event type ke. FAR E OFF IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.9km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.9km s-min=6.9km az=126.7.
ISC XII 07 17 29 25.2–.47 37.17N–.03 141.28E–.03 14–2 5.0b,4.4s 603 0-153
BJI XII 07 17 29 21.5 37.05N 141.54E 19 5.2b,4.7s ¶621618754
IDC XII 07 17 29 23.6–.44 37.21N 141.23E 0 4.5b,4.5
MOS XII 07 17 29 23.7–1.1 37.19N 141.30E 14 5.1b,4.4s
NEIC XII 07 17 29 25.0–1.5 37.19N–.05 141.29E–.07 10–1 5.1b,4.9
JMA XII 07 17 29 26.2–.06 37.2N–.20 141.2E–.30 17–1 5.2,4.9W
NIED XII 07 17 29 26.2 37.17N 141.21E 17 4.8W,4.9W
GFZ XII 07 17 29 26.1–.26 37N–4.0 141E–4.0 10 5.3b,5.0b
BGR XII 07 17 29 28.3 37.37N 142.54E 33 5.2b,5.0b
GCMT XII 07 17 29 30.2–.30 37.26N–.02 141.31E–.03 17–0 4.9W,5.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.80 $M_{\theta\theta}$0.97 $M_{\phi\phi}$0.82 $M_{r\theta}$-0.20 $M_{\theta\phi}$1.07 $M_{\phi r}$0.16 NP1:ϕ_s218.00000°,δ45.00000°,λ-102.00000°. NP2:ϕ_s56.00000° ,δ46.00000°,λ-78.00000°. $M_0$1.90000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071729A. Moment Tensor Solution. s28,c31; s100,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.19±.19 $M_{\theta\theta}$1.85±.11; $M_{\phi\phi}$1.33±.11; $M_{r\theta}$0.31±.26; $M_{\theta\phi}$1.17±.05; $M_{\phi r}$-0.82±.28; Best double couple: NP1:ϕ_s243.00000°,δ44.00000° ,λ-72.00000°. NP2:ϕ_s39.00000°,δ49.00000°,λ-107.00000°. Principal axes: T 2.8010,Plg3.0000°,Azm140.0000°; N 0.5760,Plg12.0000°,Azm50.0000° ; P -3.3880,Plg77.0000°,Azm242.0000° $M_0$3.09500×10^{16}
ISC XII 08 05 22 37.3–1.7 35.2N–.10 141.1E–.20 35 4.0b 9 1-59
JMA XII 08 05 22 35.4–.07 35.3N–.20 141.2E–.30 9–1 3.2 ¶621634674
IDC XII 08 05 22 38.8–1.9 34.30N 139.09E 0 3.8b,3.8
ISC Event type se.
JMA Event type ke. E OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=74.3km s-min=19.2km az=75.0.
ISC XII 10 03 49 34.1–2.0 38.57N–.08 142.1E–.10 30–12 3.5b 17 1-59
NIED XII 10 03 49 34.1 38.49N 142.15E 40 3.6W ¶635661319
JMA XII 10 03 49 34.1–.06 38.5N–.20 142.2E–.20 40–0 3.6
IDC XII 10 03 49 36.9–1.8 39.14N 141.12E 0 3.8s,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.34 $M_{\theta\theta}$1.38 $M_{\phi\phi}$-0.04 $M_{r\theta}$1.72 $M_{\theta\phi}$0.63 $M_{\phi r}$2.12 NP1:ϕ_s93.00000°,δ19.00000°,λ-42.00000°. NP2:ϕ_s223.00000° ,δ77.00000°,λ-104.00000°. $M_0$3.12000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=47.3km s-min=15.9km az=110.0.
ISC XII 08 18 04 20.0–2.7 37.15N–.05 141.4E–.10 11–13 3.3b 20 0-57
IDC XII 08 18 04 17.2–2.0 37.03N 141.76E 0 3.4b,3.4 ¶621634736
JMA XII 08 18 04 23.5–.06 37.2N–.20 141.2E–.20 20–0 3.5,3.4
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC XII 08 07 22 18.3–.24 37.73N–.03 141.62E–.04 55–1 5.2b,4.4s 1049 1-156
BJI XII 08 07 22 07.9 37.59N 142.12E 21 5.2b,5.2b ¶621620225
IDC XII 08 07 22 10.9–.35 37.73N 141.59E 0 4.9b,4.9
MOS XII 08 07 22 16.4–.82 37.82N 141.69E 57 5.4b,5.3s
BGR XII 08 07 22 17.6 37.81N 141.62E 33 5.2b,5.3s
JMA XII 08 07 22 18.2–.05 37.7N–.10 141.6E–.20 53–0 5.0,4.8W
GFZ XII 08 07 22 18.8–.11 38N–2.0 142E–3.0 54 5.9,5.8
NEIC XII 08 07 22 18.7–1.4 37.75N–.06 141.6E–.10 54–4 5.1b,5.8
NIED XII 08 07 22 18.2 37.72N 141.57E 53 4.8W,5.8
ISC Event type ke.
IDC Error ellipse: s-maj=9.6km s-min=7.7km az=120.0.
MOS Error ellipse: s-maj=6.6km s-min=4.9km az=112.4.
BGR Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.8km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.64 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-1.66 $M_{r\theta}$0.25 $M_{\theta\phi}$-0.21 $M_{\phi r}$0.47 NP1:ϕ_s181.00000°,δ37.00000°,λ80.00000°. NP2:ϕ_s13.00000°,δ54.00000°,λ98.00000°. $M_0$1.75000×10^{16}

ISC	**XII**	**10 15 06 14.3–1.0**	**35.58N–.05**	**140.17E–.05**	**69–9**	**3.4b**	**21**	**0-59**
IDC	XII	10 15 06 04.9–3.5	35.57N	140.64E	0	3.4b,3.4		¶621644133
JMA	XII	10 15 06 13.6–.16	35.7N–.40	140.2E–.60	68–1	2.9,3.4		

ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .

ISC	**XII**	**11 11 53 48.3–.91**	**38.28N–.04**	**141.74E–.07**	**53–7**	**3.9b**	**76**	**0-146**
JMA	XII	11 11 53 48.8–.09	38.3N–.20	141.6E–.40	55–0	4.1,4.0		¶621644186
NIED	XII	11 11 53 48.8	38.33N	141.64E	55	3.8W,4.0		
IDC	XII	11 11 53 49.3–2.6	38.28N	141.70E	61–23	3.8,3.5L		
NEIC	XII	11 11 53 49.7–.81	38.36N–.05	141.8E–.10	64–7	4.1b,3.5L		

ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.67 $M_{\theta\theta}$-4.08 $M_{\phi\phi}$-1.60 $M_{r\theta}$-2.66 $M_{\theta\phi}$-2.48 $M_{\phi r}$-0.87 NP1:ϕ_s53.00000°,δ32.00000°,λ80.00000°. NP2:ϕ_s244.00000°,δ58.00000°,λ96.00000°. $M_0$6.30000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**12 07 19 29.0–.84**	**34.50N–.04**	**140.19E–.05**	**64–7**	**4.0b**	**39**	**0-58**
IDC	XII	12 07 19 23.5–2.6	34.11N	139.55E	0	4.0s,3.5b		¶621650483
JMA	XII	12 07 19 28.6–.10	34.5N–.30	140.2E–.40	62–0	2.8,3.5b		
NEIC	XII	12 07 19 28.8–.83	34.48N–.04	140.3E–.10	61–11	4.4b,3.5b		

ISC Event type ke.
JMA Event type ke. FAR S OFF BOSO PENINSULA.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**15 07 46 35.6–1.4**	**38.52N–.05**	**141.9E–.10**	**49–9**	**3.5b**	**29**	**0-62**
IDC	XII	15 07 46 26.8–1.7	38.67N	142.43E	0	3.5b,3.5		¶621654088
JMA	XII	15 07 46 36.6–.08	38.5N–.20	141.7E–.30	53–0	3.6,3.5		

ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .

ISC	**XII**	**12 09 41 59.2–1.5**	**38.63N–.05**	**142.15E–.10**	**43–15**	**3.8b**	**34**	**1-89**
JMA	XII	12 09 41 58.6–.06	38.7N–.20	142.2E–.20	43–0	3.8		¶621650492
IDC	XII	12 09 42 00.6–2.3	38.62N	142.16E	59–20	3.7,3.5b		

ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=21.6km s-min=13.6km az=112.0.

ISC	**XII**	**15 18 01 19.7–.80**	**36.73N–.05**	**141.4E–.10**	**40–7**	**3.7b**	**28**	**1-147**
JMA	XII	15 18 01 19.6–.07	36.7N–.20	141.4E–.30	43–0	4.0,3.9		¶621654132
NIED	XII	15 18 01 19.6	36.74N	141.39E	43	3.8W,3.9		
IDC	XII	15 18 01 20.2–2.0	36.69N	141.43E	46–19	3.7,3.6L		

ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.09 $M_{\theta\theta}$3.21 $M_{\phi\phi}$-2.11 $M_{r\theta}$3.93 $M_{\theta\phi}$-0.74 $M_{\phi r}$3.58 NP1:ϕ_s134.00000°,δ28.00000°,λ-11.00000°. NP2:ϕ_s234.00000°,δ85.00000°,λ-118.00000°. $M_0$6.05000×10^{14}
IDC Error ellipse: s-maj=18.3km s-min=11.5km az=74.0.

ISC	**XII**	**16 00 55 45.0–.85**	**37.36N–.05**	**141.95E–.07**	**24**	**4.2b**	**48**	**1-83**
NIED	XII	16 00 55 45.9	37.35N	141.97E	35	3.7W		¶621630952
JMA	XII	16 00 55 45.9–.08	37.4N–.30	142.0E–.30	35–0	3.7		
NEIC	XII	16 00 55 47.0–1.2	37.37N–.03	142.0E–.10	39–10	4.3b		
IDC	XII	16 00 55 50.6–4.0	37.16N	141.68E	68–32	3.8,3.6b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.63 $M_{\theta\theta}$-2.92 $M_{\phi\phi}$2.28 $M_{r\theta}$2.22 $M_{\theta\phi}$0.45 $M_{\phi r}$1.97 NP1:ϕ_s317.00000°,δ41.00000°,λ171.00000°. NP2:ϕ_s53.00000°,δ84.00000°,λ49.00000°. $M_0$4.01000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=4.3km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.7km s-min=13.6km az=69.0.

ISC	**XII**	**22 09 30 04.4–.58**	**35.22N–.05**	**141.34E–.07**	**27**	**4.4b**	**51**	**1-79**
IDC	XII	22 09 30 01.3–1.1	35.25N	141.40E	0	4.0b,4.0		¶621686761
NEIC	XII	22 09 30 04.5–1.9	35.22N–.05	141.5E–.10	25–5	4.5b,4.0		
JMA	XII	22 09 30 05.2–.06	35.3N–.30	141.2E–.30	10–1	3.3,4.0		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF BOSO PENINSULA .

ISC	**XII**	**16 01 48 55.7–1.8**	**38.42N–.05**	**142.23E–.07**	**14–10**	**3.7b**	**27**	**1-89**
JMA	XII	16 01 48 59.2–.06	38.5N–.20	142.2E–.20	41–0	3.8		¶621655743
NIED	XII	16 01 48 59.2	38.49N	142.15E	41	3.6W		
IDC	XII	16 01 49 00.9–3.4	38.42N	142.21E	54–31	3.7,3.4b		

ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.92 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-0.22 $M_{r\theta}$1.70 $M_{\theta\phi}$0.69 $M_{\phi r}$2.36 NP1:ϕ_s98.00000°,δ18.00000°,λ-31.00000°. NP2:ϕ_s218.00000°,δ81.00000°,λ-105.00000°. $M_0$3.17000×10^{14}
IDC Error ellipse: s-maj=25.9km s-min=18.1km az=97.0.

ISC	**XII**	**19 08 54 19.9–1.1**	**38.39N–.05**	**142.02E–.08**	**59–8**	**4.2b**	**76**	**0-146**
IDC	XII	19 08 54 19.5–2.0	38.48N	142.04E	56–18	3.8,3.7L		¶621657069
JMA	XII	19 08 54 20.6–.06	38.4N–.20	141.9E–.20	63–0	4.1,3.8		
NEIC	XII	19 08 54 20.2–.83	38.42N–.08	142.1E–.10	54–10	4.3b,3.8		
NIED	XII	19 08 54 20.6	38.43N	141.92E	63	3.7W,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=11.7km az=121.0.
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.7km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.82 $M_{\theta\theta}$-3.00 $M_{\phi\phi}$0.18 $M_{r\theta}$2.53 $M_{\theta\phi}$-1.75 $M_{\phi r}$-2.29 NP1:ϕ_s219.00000°,δ41.00000°,λ36.00000°. NP2:ϕ_s101.00000°,δ67.00000°,λ125.00000°. $M_0$4.72000×10^{14}

ISC	**XII**	**17 05 39 47.4–1.1**	**37.64N–.05**	**141.74E–.08**	**71–9**	**4.2b**	**62**	**1-90**
NEIC	XII	17 05 39 47.9–1.7	37.70N–.06	141.67E–.04	67–9	4.3b		¶621656914
IDC	XII	17 05 39 47.6–2.5	37.63N	141.78E	79–21	3.9,3.6b		
NIED	XII	17 05 39 48.3	37.67N	141.55E	81	3.7W,3.6b		
JMA	XII	17 05 39 48.3–.08	37.7N–.20	141.6E–.20	81–0	4.0,3.8		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.46 $M_{\theta\theta}$0.60 $M_{\phi\phi}$2.86 $M_{r\theta}$1.80 $M_{\theta\phi}$0.51 $M_{\phi r}$2.22 NP1:ϕ_s3.00000°,δ26.00000°,λ-113.00000°. NP2:ϕ_s208.00000°,δ66.00000°,λ-79.00000°. $M_0$4.28000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .

ISC	**XII**	**18 10 13 17.7–1.6**	**35.56N–.08**	**141.3E–.10**	**25**	**3.8b**	**12**	**1-59**
IDC	XII	18 10 13 10.3–2.6	36.06N	142.30E	0	3.6b,3.5		¶621656992
JMA	XII	18 10 13 21.9–.06	35.4N–.30	141.1E–.40	19–2	2.9,3.5		

ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .

ISC	**XII**	**23 08 45 20.6–.45**	**35.55N–.04**	**141.12E–.06**	**33**	**4.4b,3.5s**	**137**	**0-152**
MOS	XII	23 08 45 18.9–1.1	35.55N	141.17E	34	4.7b,3.5s		¶621648368
IDC	XII	23 08 45 21.9–1.3	35.54N	141.02E	40–12	4.1,3.8b		
NIED	XII	23 08 45 21.7	35.54N	140.98E	33	4.4W,3.8b		
JMA	XII	23 08 45 21.7–.11	35.5N–.40	141.0E–.40	33–1	4.2,3.6		
NEIC	XII	23 08 45 22.3–1.2	35.62N–.04	141.1E–.10	43–6	4.5b,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.25 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.12 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.24 $M_{\phi r}$3.61 NP1:ϕ_s245.00000°,δ20.00000°,λ150.00000°. NP2:ϕ_s4.00000°,δ80.00000°,λ73.00000°. $M_0$4.00000×10^{15}
JMA Event type fe. NEAR CHOSHI CITY .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**22 21 53 52.9–1.1**	**40.96N–.05**	**142.36E–.06**	**55–9**	**4.3b,3.2s**	**121**	**1-80**
JMA	XII	22 21 53 51.7–.09	41.0N–.40	142.4E–.40	47–0	4.3,4.0		¶621648298
NIED	XII	22 21 53 51.7	40.99N	142.39E	47	4.0W,4.0		
IDC	XII	22 21 53 53.2–1.9	41.00N	142.49E	62–15	4.0,3.7b		
NEIC	XII	22 21 53 53.2–1.2	41.02N–.07	142.32E–.06	51–7	4.4b,3.7b		

ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.01 $M_{\theta\phi}$0.09 $M_{\phi r}$0.89 NP1:ϕ_s165.00000°,δ19.00000°,λ78.00000°. NP2:ϕ_s358.00000°,δ72.00000°,λ94.00000°. $M_0$1.11000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**23 19 08 25.9–1.2**	**36.54N–.07**	**140.82E–.08**	**92–7**		**19**	**0-57**
IDC	XII	23 19 08 26.0–6.7	36.56N	140.83E	92–50	3.2,3.0b		¶621686842
JMA	XII	23 19 08 26.5–.08	36.6N–.20	140.7E–.50	89–0	3.0,3.0b		

ISC Event type ke.
JMA Event type ke. NORTHERN IBARAKI PREF .

ISC	**XII**	**25 09 05 10.7–.97**	**35.49N–.06**	**140.09E–.06**	**74–8**	**3.5b**	**18**	**0-70**
IDC	XII	25 09 04 58.9–1.8	35.79N	141.08E	0	3.7b,3.6		¶621700140
JMA	XII	25 09 05 10.2–.15	35.6N–.40	140.1E–.50	69–1	2.9,3.6		

ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .

ISC	**XII**	**26 07 49 20.9–2.8**	**35.41N–.06**	**141.29E–.09**	**17–17**	**3.6b**	**20**	**1-59**
IDC	XII	26 07 49 16.9–1.8	35.65N	141.69E	0	3.5b,3.5		¶621700202
JMA	XII	26 07 49 22.9–.05	35.4N–.20	141.1E–.30	19–1	3.0,3.5		

ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .

ISC	**XII**	**26 02 46 36.2–1.4**	**35.35N–.06**	**141.3E–.10**	**10**	**3.7b**	**15**	**1-59**
IDC	XII	26 02 46 33.7–1.7	35.36N	141.53E	0	3.7b,3.7		¶621700190
JMA	XII	26 02 46 39.6–.06	35.4N–.20	141.1E–.30	21–1	2.9,3.7		

ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .

ISC	**XII**	**25 16 17 44.7–2.5**	**38.5N–.20**	**142.6E–.20**	**24**	**3.5b**	**11**	**1-62**
JMA	XII	25 16 17 43.3–.04	38.1N–.20	142.7E–.30	19–0	4.0		¶621748760
NIED	XII	25 16 17 43.3	38.06N	142.67E	19	3.7W		
IDC	XII	25 16 18 06.5–1.0	35.97N	135.71E	0	3.5b,3.5		

ISC Event type ke.
JMA Event type ke. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.55 $M_{\theta\theta}$0.14 $M_{\phi\phi}$2.41 $M_{r\theta}$-1.43 $M_{\theta\phi}$-0.22 $M_{\phi r}$2.01 NP1:ϕ_s8.00000°,δ26.00000°,λ-60.00000°. NP2:ϕ_s155.00000°,δ68.00000°,λ-104.00000°. $M_0$3.49000×10^{14}
IDC Error ellipse: s-maj=25.4km s-min=19.0km az=54.0.

ISC	**XII**	**26 07 52 34.6–1.4**	**35.46N–.06**	**141.23E–.09**	**10**	**3.7b**	**16**	**1-59**
IDC	XII	26 07 52 32.7–2.9	35.57N	141.40E	0	3.6b,3.5		¶621700203
JMA	XII	26 07 52 36.5–.06	35.4N–.20	141.1E–.30	20–1	2.9,3.5		

ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .

ISC	**XII**	**26 08 28 27.0–1.0**	**35.34N–.05**	**141.26E–.09**	**25**	**5.7s,4.8b**	**19**	**1-99**
IDC	XII	26 08 28 23.9–1.1	35.36N	141.62E	0	5.3s,4.4b		¶621700208
JMA	XII	26 08 28 29.3–.06	35.4N–.20	141.1E–.30	20–1	3.8,4.4b		

ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .

ISC	**XII**	**26 13 58 42.7–1.1**	**35.68N–.05**	**140.19E–.05**	**67–9**		**24**	**0-59**
IDC	XII	26 13 58 39.1–7.5	35.16N	136.67E	0	3.9s,3.5b		¶621700221
JMA	XII	26 13 58 42.1–.15	35.7N–.30	140.2E–.60	66–1	2.5,3.5b		

ISC Event type se.
JMA Event type ke. NORTHERN CHIBA PREF .

ISC	**XII**	**26 20 51 52.5–1.2**	**35.35N–.06**	**141.25E–.08**	**10**	**3.6b**	**15**	**1-76**
IDC	XII	26 20 51 49.3–1.1	35.44N	141.64E	0	3.6b,3.6		¶621700252
JMA	XII	26 20 51 55.2–.06	35.4N–.30	141.1E–.40	19–2	3.1,3.6		

ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .

ISC	**XII**	**27 12 53 44.0–1.5**	**35.26N–.07**	**141.2E–.10**	**33**	**3.5b**	**14**	**1-55**
IDC	XII	27 12 53 36.2–2.7	35.87N	142.06E	0	3.4b,3.3		¶621717314
JMA	XII	27 12 53 42.9–.07	35.3N–.20	141.2E–.20	8–1	3.0,3.3		

ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .

ISC	**XII**	**26 18 38 41.2–1.5**	**35.40N–.07**	**141.3E–.10**	**10**	**3.7b**	**15**	**1-59**
IDC	XII	26 18 38 38.1–1.9	35.50N	141.73E	0	3.5b,3.5		¶621700239
JMA	XII	26 18 38 44.7–.06	35.4N–.20	141.1E–.30	21–1	2.7,3.5		

ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .

ISC	**XII**	**30 00 41 58.7–.40**	**35.55N–.03**	**140.17E–.04**	**63–3**	**4.6b**	**336**	**0-148**
MOS	XII	30 00 41 55.1–1.1	35.57N	140.30E	48	4.8b		¶621657277
NEIC	XII	30 00 41 58.5–1.4	35.60N–.05	140.21E–.08	57–2	4.6b		
NIED	XII	30 00 41 59.0	35.64N	140.12E	71	4.3W		
JMA	XII	30 00 41 59.0–.16	35.6N–.40	140.1E–.60	71–1	4.2,4.2		
IDC	XII	30 00 41 59.3–1.2	35.53N	140.09E	67–10	4.3,4.0b		
GFZ	XII	30 00 41 60.0–.40	36N–4.0	140E–6.0	69	7.3,7.2		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.45 $M_{\theta\theta}$0.74 $M_{\phi\phi}$-0.29 $M_{r\theta}$0.04 $M_{\theta\phi}$1.79 $M_{\phi r}$3.10 NP1:ϕ_s92.00000°,δ32.00000°,λ-7.00000°. NP2:ϕ_s188.00000°,δ86.00000°,λ-121.00000°. $M_0$3.62000×10^{15}
JMA Event type fe. CENTRAL CHIBA PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**27 19 08 54.7–.80**	**35.73N–.05**	**140.69E–.06**	**52–6**	**4.1b,3.5s**	**84**	**0-148**
JMA	XII	27 19 08 53.9–.21	35.8N–.60	140.7E–.80	46–1	3.5,3.5s		¶621654274
NIED	XII	27 19 08 53.9	35.75N	140.68E	46	4.3W,3.5s		
NEIC	XII	27 19 08 55.3–1.3	35.75N–.04	140.63E–.10	54–7	4.4b,3.5s		
IDC	XII	27 19 08 56.5–1.7	35.68N	140.56E	68–15	4.0,3.7b		

ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.70 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-2.37 $M_{r\theta}$0.20 $M_{\theta\phi}$0.13 $M_{\phi r}$1.89 NP1:ϕ_s172.00000°,δ27.00000°,λ82.00000°. NP2:ϕ_s2.00000°,δ63.00000°,λ94.00000°. $M_0$3.17000×10^{15}
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.9km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=8.4km az=69.0.

ISC	**XII**	**29 16 44 53.9–1.2**	**35.46N–.07**	**141.2E–.10**	**35**	**3.6b**	**17**	**1-59**
IDC	XII	29 16 44 48.1–1.3	35.46N	141.47E	0	3.6b,3.6		¶621724229
JMA	XII	29 16 44 55.4–.09	35.5N–.30	141.0E–.40	26–1	3.1,3.6		

ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .

ISC	**XII**	**30 03 59 15.4–.83**	**39.62N–.04**	**142.06E–.06**	**47–7**	**4.2b**	**64**	**0-79**
JMA	XII	30 03 59 14.9–.06	39.6N–.20	142.1E–.30	49–0	3.5		¶621725988
IDC	XII	30 03 59 17.7–2.9	39.54N	142.22E	85–18	3.8,3.5b		
NEIC	XII	30 03 59 17.6–1.4	39.75N–.06	142.0E–.10	64–9	4.7b,3.5b		

ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(229) Off east coast of Honshu.

ISC	**VII**	**03 18 07 34.9–1.1**	**37.38N–.06**	**142.21E–.08**	**24**	**3.3b**	**20**	**1-61**
JMA	VII	03 18 07 37.7–.08	37.4N–.30	142.1E–.30	32–1	3.3		¶620927827
IDC	VII	03 18 07 37.0–2.9	37.43N	142.36E	40–27	3.4,3.1b		

ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=25.6km s-min=14.2km az=124.0.

ISC	**VII**	**04 16 22 44.5–.55**	**40.47N–.06**	**145.00E–.08**	**36**	**4.2b**	**77**	**2-147**
IDC	VII	04 16 22 39.1–.62	40.40N	145.17E	0	4.0b,4.0		¶620734176
NEIC	VII	04 16 22 41.5–1.4	40.44N–.07	145.0E–.10	10–1	4.3b,4.0		
JMA	VII	04 16 22 43.0–.06	40.5N–.30	145.1E–.50	26–0	4.6,4.0		
NIED	VII	04 16 22 43.0	40.46N	145.07E	26	3.9W,4.0		

ISC Event type ke.
IDC Error ellipse: s-maj=14.0km s-min=10.5km az=112.0.

NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.3km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-6.01 $M_{\theta\theta}$-1.22 $M_{\phi\phi}$7.23 $M_{r\theta}$0.49 $M_{\theta\phi}$1.87 $M_{\theta r}$-1.93 NP1:ϕ_s203.00000°,δ39.00000°,λ-74.00000°. NP2:ϕ_s2.00000° ,δ53.00000°,λ-103.00000°. M_o7.13000×10^{14}

JMA	**VII**	**07 16 04 00.4–.08**	**40.9N–.30**	**145.1E–.60**	**28–2**	**3.5**			
									¶626142903

JMA Event type ke. FAR SE OFF HOKKAIDO .

ISC	**VII**	**08 10 25 31.0–1.5**	**33.48N–.06**	**141.0E–.10**	**50**			**19**	**1-57**
IDC	VII	08 10 25 27.3–2.2	33.08N	140.06E	0	4.1b,3.9			**¶620928176**
JMA	VII	08 10 25 31.3–.08	33.5N–.30	141.0E–.30	54–0	3.3,3.9			

ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.

ISC	**VII**	**09 20 23 44.0–.39**	**37.24N–.03**	**143.82E–.03**	**15–2**	**5.4b,4.9s**		**1103**	**2-162**
IDC	VII	09 20 23 42.2–.36	37.14N	143.79E	0	5.0b,5.0			**¶620787245**
NEIC	VII	09 20 23 43.8	37.22N	143.80E	15	5.0b,5.0			
GFZ	VII	09 20 23 43.6–.35	37N–3.0	144E–5.0	10	5.3b,5.1			
JMA	VII	09 20 23 45.0–.09	37.2N–.30	143.7E–.30	32–1	5.3W,5.2			
BJI	VII	09 20 23 44.8	37.31N	143.20E	5	5.3b,5.2s			
NEIC	VII	09 20 23 44.1	37.22N	143.80E	16	5.3,5.2s			
NIED	VII	09 20 23 45.0	37.17N	143.72E	32	5.2W,5.2s			
GFZ	VII	09 20 23 44.6	37.22N	143.76E	14	5.3W,5.2s			
NEIC	VII	09 20 23 44.8–1.5	37.28N–.07	143.8E–.10	19–3	5.4b,5.2s			
MOS	VII	09 20 23 46.2–.99	37.50N	143.71E	27	5.5b,5.2s			
GCMT	VII	09 20 23 47.6–.10	37.19N–.01	143.65E–.01	12	5.3W,5.2s			
BGR	VII	09 20 23 48.9	37.55N	143.61E	33	5.5b,5.0s			

ISC Event type ke.
IDC Error ellipse: s-maj=9.1km s-min=8.7km az=145.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type fe. FAR E OFF NORTH HONSHU .
NEIC Event type se. Moment Tensor Solution.Duration: 2*s*3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21 $M_{\theta\theta}$0.33 $M_{\phi\phi}$0.88 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.26 $M_{\theta r}$0.34 NP1:ϕ_s28.01000°,δ37.74000° ,λ-79.08000°. NP2:ϕ_s194.30000°,δ53.06000°,λ-98.34000°. Principal axes: T 1.0223,Plg8.0000°,Azm290.0000°; N 0.2450,Plg7.0000°,Azm199.0000° ; P -1.2673,Plg80.0000°,Azm69.0000° M_o1.16000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.15 $M_{\theta\theta}$1.99 $M_{\phi\phi}$5.16 $M_{r\theta}$-2.42 $M_{\theta\phi}$2.29 $M_{\theta r}$0.72 NP1:ϕ_s193.00000°,δ45.00000°,λ-113.00000°. NP2:ϕ_s43.00000° ,δ49.00000°,λ-69.00000°. M_o7.13000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-10.30 $M_{\theta\theta}$3.20 $M_{\phi\phi}$7.09 $M_{r\theta}$-0.24 $M_{\theta\phi}$2.36 $M_{\theta r}$2.46 NP1: ϕ_s199.02297°,δ51.78468°,λ-96.92406°. NP2:ϕ_s30.12932°,δ38.74297°,λ-81.29493°. Principal axes: T 8.4480,Plg6.5509°,Azm293.9453°; N 2.2112,Plg5.4351°,Azm203.3192° ; P -10.6592,Plg81.4727°,Azm73.9315° M_o9.74365×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.3km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.7km s-min=3.5km az=110.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107092023A. Moment Tensor Solution. s119,c216; s158,c336;Duration: 1*s*1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$0.21±.01; $M_{\phi\phi}$0.77±.01; $M_{r\theta}$-0.09±.03; $M_{\theta\phi}$0.28±.01; $M_{\theta r}$0.53±.03; Best double couple: NP1:ϕ_s33.00000° ,δ33.00000°,λ-69.00000°. NP2:ϕ_s189.00000°,δ59.00000°,λ-103.00000°. Principal axes: T 0.9940,Plg13.0000°,Azm288.0000°; N 0.1480,Plg11.0000°,Azm195.0000° ; P -1.1420,Plg72.0000°,Azm67.0000° M_o1.06800×10^{17}
BGR Event type ke.

JMA	**VII**	**09 20 27 10.0–.05**	**37.2N–.40**	**143.7E–.30**	**28**	**3.7**			
									¶626144749

JMA Event type ke. FAR E OFF NORTH HONSHU .

ISC	**VII**	**09 23 28 22.7–.58**	**37.02N–.06**	**143.79E–.07**	**10**	**4.2b,3.3s**		**66**	**4-99**
IDC	VII	09 23 28 21.2–.57	37.18N	143.89E	0	4.1L,4.0b			**¶620928288**
NEIC	VII	09 23 28 23.5–1.9	37.07N–.08	143.8E–.10	10–1	4.4b,4.0b			
NIED	VII	09 23 28 24.7	37.19N	143.75E	32	4.0W,4.0b			
JMA	VII	09 23 28 24.7–.09	37.2N–.20	143.8E–.30	32–1	4.6,4.0b			

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.86 $M_{\theta\theta}$0.35 $M_{\phi\phi}$0.51 $M_{r\theta}$0.54 $M_{\theta\phi}$0.43 $M_{\theta r}$0.08 NP1:ϕ_s23.00000°,δ35.00000°,λ-121.00000°. NP2:ϕ_s239.00000° ,δ61.00000°,λ-71.00000°. M_o1.02000×10^{15}
JMA Event type ke. FAR E OFF NORTH HONSHU .

JMA	**VII**	**09 23 51 48.6–.08**	**37.2N–.20**	**143.7E–.30**	**31–1**	**3.6**			
									¶626144862

JMA Event type ke. FAR E OFF NORTH HONSHU .

ISC	**VII**	**09 23 58 32.9–.91**	**36.88N–.07**	**143.8E–.10**	**35**	**3.6b**		**18**	**5-75**
IDC	VII	09 23 58 29.0–.94	37.17N	143.96E	0	3.8L,3.8			**¶620928291**
JMA	VII	09 23 58 32.5–.09	37.2N–.20	143.7E–.30	32–1	4.2,3.8			
NIED	VII	09 23 58 32.5	37.21N	143.73E	32	3.8W,3.8			

ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=13.5km az=101.0.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.33 $M_{\theta\theta}$0.34 $M_{\phi\phi}$3.99 $M_{r\theta}$-2.69 $M_{\theta\phi}$2.49 $M_{\theta r}$1.31 NP1:ϕ_s180.00000°,δ52.00000°,λ-130.00000°. NP2:ϕ_s54.00000° ,δ53.00000°,λ-51.00000°. M_o5.66000×10^{14}

ISC	**VII**	**10 08 19 56.2–.60**	**37.05N–.07**	**143.58E–.09**	**35**	**4.0b**		**28**	**4-127**
IDC	VII	10 08 19 51.2–.58	37.19N	143.78E	0	3.9b,3.9			**¶620928345**
NIED	VII	10 08 19 54.1	37.19N	143.73E	33	3.8W,3.9			
JMA	VII	10 08 19 54.1–.08	37.2N–.20	143.7E–.30	33–1	4.1,3.9			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.19 $M_{\theta\theta}$0.57 $M_{\phi\phi}$3.62 $M_{r\theta}$-1.12 $M_{\theta\phi}$2.32 $M_{\theta r}$1.09 NP1:ϕ_s47.00000°,δ46.00000°,λ-61.00000°. NP2:ϕ_s189.00000° ,δ51.00000°,λ-116.00000°. M_o4.82000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .

JMA	**VII**	**12 21 49 58.0–.10**	**37.6N–.20**	**144.7E–.60**	**38–1**	**3.5**			
									¶626147879

JMA Event type ke. FAR E OFF NORTH HONSHU .

ISC	**VII**	**15 11 12 07.7–.41**	**39.87N–.04**	**143.72E–.05**	**6**	**4.6b,3.8s**		**283**	**2-146**
MOS	VII	15 11 12 07.3–.88	39.90N	143.63E	13	4.8b,4.2s			**¶620829518**
IDC	VII	15 11 12 07.2–.53	39.84N	143.64E	0	4.3b,4.3			
BJI	VII	15 11 12 07.9	39.89N	143.35E	10	4.6b,4.6b			
NEIC	VII	15 11 12 09.2–1.2	39.87N–.06	143.60E–.09	12–4	4.6b,4.6b			
GFZ	VII	15 11 12 09.5–.37	40N–4.0	144E–5.0	10	4.8b,4.5			
JMA	VII	15 11 12 10.3–.05	39.8N–.20	143.6E–.30	18–1	4.7,4.2			
NIED	VII	15 11 12 10.3	39.81N	143.62E	18	4.3W,4.2			

ISC Event type ke.
MOS Error ellipse: s-maj=7.8km s-min=4.7km az=107.5.
IDC Error ellipse: s-maj=13.0km s-min=9.2km az=101.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.5km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=12.1km s-min=7.3km az=119.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.37 $M_{\theta\theta}$0.89 $M_{\phi\phi}$-3.27 $M_{r\theta}$1.00 $M_{\theta\phi}$-1.44 $M_{\theta r}$1.15 NP1:ϕ_s174.00000°,δ37.00000°,λ55.00000°. NP2:ϕ_s35.00000° ,δ60.00000°,λ113.00000°. M_o3.46000×10^{15}

ISC	**VII**	**15 11 19 03.9–.81**	**39.88N–.09**	**143.7E–.10**	**6**	**3.9b**		**21**	**4-87**
IDC	VII	15 11 19 02.7–.80	39.81N	143.70E	0	3.8b,3.8			**¶620928639**
JMA	VII	15 11 19 06.2–.05	39.8N–.20	143.6E–.30	17–1	3.7,3.8			
NIED	VII	15 11 19 06.2	39.82N	143.62E	17	3.9W,3.8			

ISC Event type ke.
IDC Error ellipse: s-maj=17.7km s-min=13.9km az=112.0.
JMA Event type ke. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.41 $M_{\theta\theta}$0.77 $M_{\phi\phi}$-6.18 $M_{r\theta}$2.09 $M_{\theta\phi}$-3.36 $M_{\theta r}$2.51 NP1:ϕ_s187.00000°,δ34.00000°,λ67.00000°. NP2:ϕ_s34.00000° ,δ59.00000°,λ104.00000°. M_o7.30000×10^{14}

ISC	**VII**	**17 04 27 44.6–.63**	**34.02N–.07**	**141.65E–.07**	**24**	**4.0b,3.2s**		**54**	**1-148**
IDC	VII	17 04 27 40.6–.59	34.02N	141.77E	0	3.8b,3.8			**¶620833043**
NEIC	VII	17 04 27 41.3–2.4	33.75N–.07	141.80E–.07	10–1	4.2b,3.8			
JMA	VII	17 04 27 44.6–.17	34.0N–.30	141.6E–.30	8–2	3.8,3.8			
NIED	VII	17 04 27 44.6	34.00N	141.60E	8	4.0W,3.8			

ISC Event type ke.
IDC Error ellipse: s-maj=13.3km s-min=10.7km az=85.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.0km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR SE OFF BOSO PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-1.05 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.20 $M_{\theta r}$0.08 NP1:ϕ_s170.00000°,δ43.00000°,λ91.00000°. NP2:ϕ_s348.00000° ,δ47.00000°,λ89.00000°. M_o1.09000×10^{15}

ISC	**VII**	**19 10 23 19.3–.85**	**37.51N–.07**	**142.63E–.10**	**21**	**3.9b,3.2s**		**40**	**3-91**
NEIC	VII	19 10 23 16.8–2.4	37.47N–.06	142.8E–.10	10–2	4.0b,3.2s			**¶620928869**
IDC	VII	19 10 23 16.9–.87	37.51N	142.60E	0	3.8b,3.7			
JMA	VII	19 10 23 20.7–.04	37.5N–.20	142.6E–.30	17–1	3.6,3.7			
NIED	VII	19 10 23 20.7	37.47N	142.57E	17	3.8W,3.7			

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=9.4km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=11.0km az=105.0.
JMA Event type ke. SE OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.57 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-1.76 $M_{r\theta}$2.86 $M_{\theta\phi}$-1.92 $M_{\theta r}$3.43 NP1:ϕ_s215.00000°,δ17.00000°,λ86.00000°. NP2:ϕ_s40.00000° ,δ73.00000°,λ91.00000°. M_o5.34000×10^{14}

ISC	**VII**	**19 23 41 19.8–2.0**	**37.20N–.05**	**142.05E–.06**	**6–12**	**4.2b**		**47**	**1-147**
NEIC	VII	19 23 41 23.4–1.4	37.0N–.10	142.4E–.10	35–2	4.5b			**¶620928906**
JMA	VII	19 23 41 24.9–.05	37.4N–.20	141.8E–.30	18–1	3.9			
IDC	VII	19 23 41 27.7–2.0	36.75N	142.01E	79–20	3.8,3.5b			

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=16.7km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=18.6km s-min=17.2km az=133.0.

ISC	**VII**	**20 05 05 48.2–1.2**	**39.89N–.09**	**144.6E–.10**	**34**	**3.9b**		**8**	**4-74**
IDC	VII	20 05 05 42.8–1.4	39.67N	144.84E	0	3.7b,3.6			**¶620961573**
JMA	VII	20 05 05 46.3–.09	39.7N–.20	144.5E–.30	33–1	3.6,3.6			

ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .

ISC	**VII**	**20 06 56 21.4–.93**	**33.63N–.04**	**141.03E–.06**	**71–9**	**3.9b**		**81**	**1-92**
IDC	VII	20 06 56 20.9–1.4	33.62N	141.15E	64–13	3.9,3.6b			**¶620961577**
NEIC	VII	20 06 56 22.5–2.1	33.66N–.07	141.04E–.09	74–5	4.3b,3.6b			
JMA	VII	20 06 56 23.0–.09	33.7N–.30	140.9E–.30	85–0	4.0,4.0			
NIED	VII	20 06 56 23.0	33.70N	140.86E	85	3.9W,4.0			

ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=9.0km az=84.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.0km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.05 $M_{\theta\theta}$-2.90 $M_{\phi\phi}$0.85 $M_{r\theta}$-5.99 $M_{\theta\phi}$4.80 $M_{\theta r}$-1.27 NP1:ϕ_s164.00000°,δ39.00000°,λ165.00000°. NP2:ϕ_s265.00000° ,δ81.00000°,λ52.00000°. M_o8.19000×10^{14}

JMA	**VII**	**25 18 48 55.9–.11**	**39.3N–.20**	**144.5E–.60**	**31–1**	**3.5**			
									¶626159640

JMA Event type ke. FAR E OFF NORTH HONSHU .

ISC	**VII**	**27 17 35 07.0–2.1**	**37.64N–.05**	**142.06E–.08**	**23–14**	**3.7b**		**35**	**1-74**
IDC	VII	27 17 35 03.9–.95	37.67N	142.18E	0	3.7b,3.7			**¶620970680**
NIED	VII	27 17 35 10.7	37.72N	141.72E	51	3.7W,3.7			
JMA	VII	27 17 35 10.7–.04	37.7N–.10	141.7E–.10	51–0	4.0,3.9			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.77 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-3.39 $M_{r\theta}$1.31 $M_{\theta\phi}$1.24 $M_{\theta r}$0.45 NP1:ϕ_s139.00000°,δ51.00000°,λ52.00000°. NP2:ϕ_s10.00000° ,δ52.00000°,λ127.00000°. M_o3.63000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .

ISC	**VII**	**29 05 11 05.6–.93**	**36.56N–.09**	**142.9E–.10**	**10**	**3.7b**		**16**	**4-74**
IDC	VII	29 05 11 04.8–.99	36.74N	142.88E	0	3.7,3.6b			**¶626161953**
JMA	VII	29 05 11 06.6–.25	36.6N–.20	142.9E–.40	5–1	3.6,3.6b			
NIED	VII	29 05 11 06.6	36.62N	142.88E	5	3.9W,3.6b			

ISC Event type ke.
IDC Error ellipse: s-maj=18.3km s-min=12.5km az=114.0.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}6.57 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$-5.38 $M_{r\theta}$1.44 $M_{\theta\phi}$-2.38 $M_{\theta r}$1.14 NP1:ϕ_s198.00000°,δ38.00000°,λ79.00000°. NP2:ϕ_s31.00000° ,δ52.00000°,λ98.00000°. M_o6.77000×10^{14}

ISC	**VII**	**28 15 22 04.5–1.1**	**37.73N–.05**	**142.06E–.09**	**24**	**3.7b**		**22**	**1-79**
IDC	VII	28 15 21 59.9–1.3	37.83N	142.55E	0	3.7b,3.6			**¶620979624**
JMA	VII	28 15 22 04.7–.08	37.8N–.30	142.2E–.30	34–0	3.6,3.6			

ISC Event type ke.
JMA Event type ke. SE OFF MIYAGI PREF .

ISC	**VII**	**31 12 02 20.6–.90**	**33.85N–.10**	**141.8E–.10**	**21**	**4.0b**		**44**	**1-77**
NEIC	VII	31 12 02 18.6–.89	33.87N–.08	141.92E–.09	10–1	4.3b			**¶620970686**
IDC	VII	31 12 02 18.7–.94	33.81N	141.59E	0	3.9b,3.8			
NIED	VII	31 12 02 23.0	33.94N	141.69E	10	3.8W,3.8			
JMA	VII	31 12 02 23.0–.08	33.9N–.40	141.7E–.30	10–1	3.6,3.8			

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.12 $M_{\theta\theta}$1.44 $M_{\phi\phi}$-5.56 $M_{r\theta}$-2.28 $M_{\theta\phi}$-1.09 $M_{\theta r}$1.22 NP1:ϕ_s216.00000°,δ48.00000°,λ134.00000°. NP2:ϕ_s341.00000° ,δ57.00000°,λ53.00000°. M_o5.73000×10^{14}
JMA Event type ke. FAR SE OFF BOSO PEN .

ISC	**VII**	**30 09 59 23.4–1.4**	**33.48N–.06**	**141.07E–.08**	**48–13**	**4.1b**		**55**	**1-149**
JMA	VII	30 09 59 23.0–.08	33.5N–.40	141.1E–.30	45–0	3.7			**¶620986056**
NEIC	VII	30 09 59 22.4–1.1	33.48N–.08	141.15E–.09	35–2	4.2b			
IDC	VII	30 09 59 24.5–2.7	33.48N	141.03E	53–23	4.0,3.8b			

ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.9km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.0km s-min=15.7km az=103.0.

IDC	**VIII**	**02 15 41 23.7–1.4**	**36.11N**	**142.07E**	**0**	**3.5,3.3b**			
									¶620993248

IDC Error ellipse: s-maj=22.7km s-min=16.1km az=93.0.

ISC	**VIII**	**02 16 10 09.9–1.0**	**36.27N–.07**	**142.02E–.07**	**19**	**3.6b**		**16**	**1-60**
IDC	VIII	02 16 10 08.4–1.2	36.20N	142.12E	0	3.7,3.6b			**¶620993249**
NIED	VIII	02 16 10 12.9	36.19N	141.86E	17	3.5W,3.6b			
JMA	VIII	02 16 10 12.9–.03	36.2N–.20	141.9E–.20	17–1	3.5,3.6b			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.34 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-1.68 $M_{r\theta}$0.82 $M_{\theta\phi}$-0.53 $M_{\theta r}$0.51 NP1:ϕ_s168.00000°,δ39.00000°,λ48.00000°. NP2:ϕ_s38.00000° ,δ62.00000°,λ119.00000°. M_o1.89000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC	**VIII**	**02 21 04 42.2–2.5**	**37.0N–.10**	**142.0E–.20**	**19**	**3.6b,3.3s**		**11**	**1-70**
IDC	VIII	02 21 04 43.8–4.5	37.50N	141.67E	0	3.6b,3.5			**¶620993263**
NIED	VIII	02 21 04 46.5	37.06N	141.75E	40	3.5W,3.5			
JMA	VIII	02 21 04 46.5–.09	37.1N–.30	141.8E–.30	40–1	3.5,3.5			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.33 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-0.82 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.84 $M_{\theta r}$1.72 NP1:ϕ_s239.00000°,δ23.00000°,λ127.00000°. NP2:ϕ_s20.00000° ,δ72.00000°,λ76.00000°. M_o2.28000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .

ISC	**VIII**	**03 10 40 01.4–.69**	**36.12N–.06**	**142.08E–.08**	**23**	**3.8b**		**42**	**1-82**
NEIC	VIII	03 10 39 58.8–.44	36.12N–.04	142.18E–.08	10–1	4.4b			**¶620995873**
IDC	VIII	03 10 40 00.6–.92	36.26N	141.90E	0	3.8b,3.8			
JMA	VIII	03 10 40 03.8–.05	36.2N–.20	141.8E–.30	20–1	3.7,3.8			

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 13 20 20.2–.40 37.36N–.04 142.17E–.05 37–1 4.7b,4.0s 410 1-154
IDC VIII 03 13 20 14.9–.45 37.34N 142.24E 0 4.5,4.4b **¶620961702**
BJI VIII 03 13 20 17.7 37.19N 142.40E 45 4.9b,4.6b
MOS VIII 03 13 20 17.7–.96 37.38N 142.22E 28 4.8b,4.6b
GFZ VIII 03 13 20 20.0–.27 37N–4.0 142E–4.0 29 4.8b,4.8
JMA VIII 03 13 20 20.3–.06 37.3N–.20 142.1E–.20 40–0 4.8,4.6
NIED VIII 03 13 20 20.3 37.34N 142.07E 40 4.4W,4.6
NEIC VIII 03 13 20 20.8–1.1 37.35N–.06 142.20E–.10 37–6 4.7b,4.6
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.03 $M_{\theta\theta}$2.51 $M_{\phi\phi}$1.52 $M_{r\theta}$-0.56 $M_{\theta\phi}$1.57 $M_{\phi r}$1.62 NP1:ϕ_s70.00000°,δ44.00000°,λ-63.00000°. NP2:ϕ_s216.00000° ,δ52.00000°,λ-113.00000°. M_o4.14000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 04 04 11 54.2–.54 36.12N–.06 142.07E–.06 23 4.2b 72 1-147
NEIC VIII 04 04 11 51.7–1.6 36.18N–.07 142.3E–.10 10–1 4.6b **¶626289457**
IDC VIII 04 04 11 52.0–.57 36.16N 141.97E 0 3.9b,3.9
JMA VIII 04 04 11 55.7–.04 36.1N–.20 142.0E–.20 18–1 3.9,3.9
NIED VIII 04 04 11 55.7 36.14N 141.98E 18 4.0W,3.9
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=11.1km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.1km s-min=9.3km az=101.0.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.75 $M_{\theta\theta}$0.37 $M_{\phi\phi}$-1.13 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.58 $M_{\phi r}$0.49 NP1:ϕ_s226.00000°,δ39.00000°,λ131.00000°. NP2:ϕ_s358.00000° ,δ61.00000°,λ62.00000°. M_o1.18000×10^{15}
ISC VIII 03 20 58 41.3–.70 36.14N–.06 142.33E–.07 18 3.9b 43 1-62
IDC VIII 03 20 58 40.6–1.0 36.26N 142.17E 0 3.8,3.6b **¶626288882**
NEIC VIII 03 20 58 41.0–1.3 36.15N–.04 142.30E–.09 10–1 4.2b,3.6b
JMA VIII 03 20 58 45.8–.20 36.2N–.20 141.8E–.30 7–2 3.7,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 21 04 33.7–.70 36.05N–.07 142.11E–.08 23 4.1b 52 1-84
IDC VIII 03 21 04 31.5–.87 36.13N 142.05E 0 3.9b,3.9 **¶626288890**
NEIC VIII 03 21 04 32.0–2.2 36.08N–.08 142.2E–.10 10–1 4.5b,3.9
JMA VIII 03 21 04 35.9–.15 36.2N–.20 141.9E–.20 6–1 4.0,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 21 16 18.0–.87 36.09N–.08 142.08E–.08 23 3.6b 19 1-75
IDC VIII 03 21 16 15.2–.96 36.22N 142.16E 0 3.7,3.6b **¶626288913**
JMA VIII 03 21 16 19.8–.05 36.2N–.20 141.9E–.20 14–1 3.3,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 03 21 17 58.2–.61 36.21N–.06 142.06E–.07 23 4.3b 101 1-147
IDC VIII 03 21 17 55.5–.63 36.22N 142.01E 0 4.5s,4.1b **¶626288915**
NEIC VIII 03 21 17 56.7–1.3 36.25N–.06 142.1E–.10 10–1 4.4b,4.1b
JMA VIII 03 21 18 00.2–.04 36.2N–.20 141.8E–.30 18–1 4.3,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 04 09 20 48.8–.69 36.22N–.07 142.11E–.07 23 4.1b 41 1-147
IDC VIII 04 09 20 46.3–1.2 36.29N 142.12E 0 3.8b,3.8 **¶626289789**
NEIC VIII 04 09 20 48.8–1.0 36.21N–.04 142.2E–.10 22–6 4.2b,3.8
JMA VIII 04 09 20 51.2–.06 36.2N–.20 141.9E–.20 13–1 3.5,3.8
NIED VIII 04 09 20 51.2 36.21N 141.87E 13 3.9W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=16.0km az=139.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.0km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.93 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-2.48 $M_{r\theta}$0.75 $M_{\theta\phi}$-3.41 $M_{\phi r}$5.48 NP1:ϕ_s250.00000°,δ28.00000°,λ147.00000°. NP2:ϕ_s10.00000° ,δ75.00000°,λ66.00000°. M_o7.00000×10^{14}
ISC VIII 04 07 27 23.7–1.2 36.10N–.09 142.3E–.10 10 3.9b 12 3-75
IDC VIII 04 07 27 22.7–1.4 36.24N 142.31E 0 4.0,3.8L **¶626289648**
NIED VIII 04 07 27 28.4 36.21N 141.87E 4 3.7W,3.8L
JMA VIII 04 07 27 28.4–.19 36.2N–.20 141.9E–.30 4–1 3.8,3.8L
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.20 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-2.17 $M_{r\theta}$-0.22 $M_{\theta\phi}$-2.51 $M_{\phi r}$3.28 NP1:ϕ_s247.00000°,δ35.00000°,λ149.00000°. NP2:ϕ_s4.00000° ,δ73.00000°,λ59.00000°. M_o4.66000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 04 11 57 44.0–.00 36.16N–.08 142.1E–.10 23 3.9b,3.2s 45 1-90
NEIC VIII 04 11 57 38.9–1.4 35.88N–.06 142.53E–.08 10–2 4.2b,3.2s **¶620968078**
IDC VIII 04 11 57 44.6–1.0 36.51N 141.71E 0 3.8b,3.8
NIED VIII 04 11 57 46.0 36.18N 141.89E 15 3.9W,3.8
JMA VIII 04 11 57 46.0–.06 36.2N–.20 141.9E–.30 15–1 4.1,3.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.50 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-5.43 $M_{r\theta}$4.63 $M_{\theta\phi}$-4.47 $M_{\phi r}$4.39 NP1:ϕ_s178.00000°,δ29.00000°,λ44.00000°. NP2:ϕ_s47.00000° ,δ71.00000°,λ111.00000°. M_o9.03000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC VIII 04 20 48 16.8–4.7 35.74N 142.51E 0 3.5b,3.4
JMA VIII 04 20 48 25.7–.10 36.2N–.20 142.0E–.20 11–1 3.1,3.4 **¶626290653**
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 06 02 28 13.2–1.4 37.55N–.06 142.26E–.10 21 3.8b 13 1-84
IDC VIII 06 02 28 06.0–1.2 37.92N 143.02E 0 3.8,3.7b **¶626291855**
JMA VIII 06 02 28 15.8–.07 37.6N–.30 142.3E–.30 32–0 3.3,3.7b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC VIII 04 14 12 00.7–4.9 36.06N 142.27E 0 3.6b,3.5
JMA VIII 04 14 12 06.5–.05 36.2N–.20 141.8E–.30 17–1 3.4,3.5 **¶626290157**
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 05 04 08 25.3–1.2 36.01N–.08 142.1E–.10 23 3.7b 11 1-85
IDC VIII 05 04 08 21.6–1.4 36.05N 142.26E 0 3.7b,3.7 **¶620998784**
JMA VIII 05 04 08 27.1–.06 36.1N–.20 141.9E–.20 13–1 3.4,3.7
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 09 09 22 01.8–1.3 36.6N–.10 143.2E–.10 35 3.5b 6 4-61
JMA VIII 09 09 22 00.9–.07 36.5N–.30 143.3E–.50 25–2 3.3 **¶626294305**
IDC VIII 09 09 22 05.8–3.5 36.71N 142.93E 79–37 3.5,3.0b
ISC Event type ke.
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
IDC Error ellipse: s-maj=35.5km s-min=20.1km az=124.0.
ISC VIII 06 14 55 05.5–1.6 36.6N–.20 142.0E–.10 19 3.6b 7 3-57
IDC VIII 06 14 55 02.7–2.0 36.60N 142.02E 0 3.6b,3.5 **¶620998904**
JMA VIII 06 14 55 03.4–.06 36.1N–.30 142.2E–.30 14–1 3.3,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC VIII 10 23 28 24.8–.60 40.90N–.06 143.01E–.08 30 4.2b,3.5s 77 1-146
JMA VIII 10 23 28 25.7–.05 41.0N–.20 143.0E–.30 25–0 3.8,3.5s **¶620980008**
NIED VIII 10 23 28 25.7 40.99N 142.98E 25 3.9W,3.5s
NEIC VIII 10 23 28 26.4–1.9 40.94N–.07 143.0E–.10 44–7 4.3b,3.5s
IDC VIII 10 23 28 27.1–2.2 40.93N 142.94E 50–18 4.0,3.8L

ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}7.31 $M_{\theta\theta}$-1.73 $M_{\phi\phi}$-5.58 $M_{r\theta}$0.45 $M_{\theta\phi}$-2.11 $M_{\phi r}$2.86 NP1:ϕ_s208.00000°,δ34.00000°,λ98.00000°. NP2:ϕ_s19.00000° ,δ56.00000°,λ85.00000°. M_o7.49000×10^{14}
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=5.5km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.6km s-min=13.0km az=101.0.
ISC VIII 21 21 55 40.0–.56 36.02N–.03 142.43E–.04 11–3 5.1s,5.0b 1111 1-150
IDC VIII 21 21 55 38.0–.43 36.01N 142.44E 0 4.7b,4.7 **¶620999416**
MOS VIII 21 21 55 38.9–.93 36.00N 142.39E 16 5.4s,5.2b
BJI VIII 21 21 55 39.4 36.19N 142.07E 6 5.5s,5.3b
NEIC VIII 21 21 55 39.6–1.1 36.04N–.06 142.49E–.09 10–1 5.1b,5.3b
NEIC VIII 21 21 55 39.9 35.81N 142.97E 12 5.2,5.3b
NEIC VIII 21 21 55 39.5 36.01N 142.60E 10 5.2,5.3b
JMA VIII 21 21 55 41.1–.05 36.1N–.20 142.5E–.30 14–0 5.3,5.2W
NIED VIII 21 21 55 41.1 36.05N 142.47E 14 5.2W,5.2W
GFZ VIII 21 21 55 41.0–.11 36N–2.0 142E–2.0 10 5.0b,5.0
BGR VIII 21 21 55 42.2 36.03N 142.34E 20 5.1s,5.0b
GCMT VIII 21 21 55 43.3–.10 35.95N–.01 142.59E–.01 12 5.1W,5.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}4.23 $M_{\theta\theta}$-1.78 $M_{\phi\phi}$-2.45 $M_{r\theta}$4.13 $M_{\theta\phi}$-2.43 $M_{\phi r}$5.38 NP1:ϕ_s224.81000°,δ16.57000° ,λ96.51000°. NP2:ϕ_s38.02000°,δ73.54000°,λ88.07000°. Principal axes: T 7.9261,Plg61.0000°,Azm305.0000°; N 0.3252,Plg2.0000°,Azm39.0000° ; P -8.2514,Plg29.0000°,Azm130.0000° M_o8.09000×10^{16}
NEIC Event type se.
JMA Event type ke. FAR E OFF KANTO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}5.07 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-5.26 $M_{r\theta}$1.74 $M_{\theta\phi}$-2.56 $M_{\phi r}$-0.00 NP1:ϕ_s183.00000°,δ45.00000°,λ62.00000°. NP2:ϕ_s40.00000° ,δ51.00000°,λ116.00000°. M_o6.00000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108212155A. Moment Tensor Solution. s74,c120; s133,c252;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.04±.07 $M_{\theta\theta}$-1.97±.07; $M_{\phi\phi}$-3.07±.07; $M_{r\theta}$1.37±.22; $M_{\theta\phi}$-2.67±.06; $M_{\phi r}$2.57±.21; Best double couple: NP1: ϕ_s225.00000°,δ31.00000°,λ100.00000°. NP2:ϕ_s34.00000°,δ60.00000°,λ84.00000°. Principal axes: T 5.8330,Plg75.0000°,Azm288.0000°; N 0.1570,Plg5.0000°,Azm37.0000° ; P -5.9900,Plg15.0000°,Azm128.0000° M_o5.91200×10^{16}
ISC VIII 14 22 52 10.8–1.5 33.50N–.07 141.1E–.10 48 15 1-57
IDC VIII 14 22 52 10.1–1.3 32.94N 138.58E 0 3.6b,3.4 **¶621013578**
JMA VIII 14 22 52 10.8–.09 33.5N–.40 141.0E–.40 45–0 3.0,3.4
ISC Event type se.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC VIII 23 01 24 23.4–.71 40.80N–.05 145.11E–.05 15–4 4.7b,4.1s 387 2-152
IDC VIII 23 01 24 21.0–.47 40.76N 145.18E 0 4.5b,4.4 **¶620999718**
BJI VIII 23 01 24 21.0 40.94N 145.15E 16 4.8b,4.6b
NEIC VIII 23 01 24 22.5–1.6 40.72N–.05 145.07E–.09 10–1 4.7b,4.6b
JMA VIII 23 01 24 23.8–.07 40.8N–.40 145.1E–.70 25–1 4.8,4.7
NIED VIII 23 01 24 23.8 40.76N 145.09E 25 4.4W,4.7
GFZ VIII 23 01 24 23.8–.43 41N–5.0 145E–7.0 10 4.8b,4.8
MOS VIII 23 01 24 23.0–1.0 40.77N 145.06E 23 5.1b,4.8
ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=10.2km az=98.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.1km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.91 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$4.15 $M_{r\theta}$-0.05 $M_{\theta\phi}$0.83 $M_{\phi r}$-0.07 NP1:ϕ_s190.00000°,δ44.00000°,λ-91.00000°. NP2:ϕ_s11.00000° ,δ46.00000°,λ-89.00000°. M_o4.11000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=7.8km s-min=4.6km az=114.6.
ISC VIII 21 19 45 17.4–.47 33.74N–.03 141.56E–.05 17–2 4.7b,3.8s 543 1-148
BJI VIII 21 19 45 13.4 33.82N 141.86E 16 4.7b,4.5b **¶620999317**
IDC VIII 21 19 45 14.9–.40 33.70N 141.56E 0 4.5b,4.5
MOS VIII 21 19 45 14.9–.84 33.68N 141.48E 12 5.0b,4.5
NEIC VIII 21 19 45 16.7–1.3 33.77N–.06 141.55E–.09 10–1 4.7b,4.5
GFZ VIII 21 19 45 17.7–.31 34N–4.0 142E–5.0 10 4.8b,4.7
BGR VIII 21 19 45 20.5 34.58N 141.39E 10–0 4.7b,4.7
JMA VIII 21 19 45 20.0–.16 33.8N–.60 141.6E–.40 33–1 4.4,4.3
NIED VIII 21 19 45 20.0 33.80N 141.55E 33 4.4W,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=13.2km s-min=7.6km az=77.0.
MOS Error ellipse: s-maj=9.9km s-min=4.2km az=121.8.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.1km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.47 $M_{\theta\theta}$1.76 $M_{\phi\phi}$-0.29 $M_{r\theta}$2.83 $M_{\theta\phi}$-2.48 $M_{\phi r}$0.83 NP1:ϕ_s161.00000°,δ42.00000°,λ-21.00000°. NP2:ϕ_s267.00000° ,δ76.00000°,λ-130.00000°. M_o4.18000×10^{15}
ISC VIII 23 23 49 35.5–.77 39.39N–.07 143.7E–.10 11 4.0b,3.3s 61 2-91
IDC VIII 23 23 49 33.4–.85 39.25N 143.78E 0 3.9b,3.9 **¶621024205**
NIED VIII 23 23 49 36.2 39.24N 143.75E 10 4.0W,3.9
NEIC VIII 23 23 49 36.9–2.4 39.31N–.07 143.7E–.10 20–6 4.3b,3.9
JMA VIII 23 23 49 36.2–.08 39.2N–.30 143.8E–.50 10–1 3.6,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.04 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-1.01 $M_{r\theta}$0.16 $M_{\theta\phi}$-0.43 $M_{\phi r}$0.18 NP1:ϕ_s195.00000°,δ39.00000°,λ82.00000°. NP2:ϕ_s26.00000° ,δ51.00000°,λ97.00000°. M_o1.13000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF SANRIKU .
ISC VIII 24 08 22 49.1–1.3 39.59N–.09 143.3E–.20 11 3.7b 9 5-73
JMA VIII 24 08 22 46.3–.07 39.2N–.30 143.8E–.40 11–0 3.4 **¶621049304**
IDC VIII 24 08 22 47.3–1.5 39.50N 143.30E 0 3.9s,3.6L
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
IDC Error ellipse: s-maj=31.7km s-min=15.7km az=107.0.
JMA VIII 27 16 13 08.8–.11 37.6N–.30 144.7E–.70 36–1 3.8 ¶626306075
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC VIII 26 02 46 40.5–.70 35.88N–.07 142.52E–.08 18 4.3b 33 4-59
NEIC VIII 26 02 46 39.6–1.3 35.91N–.06 142.7E–.10 10–1 4.5b **¶621058971**
IDC VIII 26 02 46 43.9–1.9 36.37N 142.11E 0 3.9b,3.8
JMA VIII 26 02 46 43.9–.07 36.2N–.20 142.3E–.40 26–1 3.1,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC IX 01 09 48 59.4–1.5 33.66N–.07 141.2E–.10 48 14 1-57
IDC IX 01 09 48 57.6–1.1 33.27N 138.37E 0 3.4b,3.3 **¶621080612**
JMA IX 01 09 48 59.2–.09 33.7N–.50 141.1E–.30 40–0 3.4,3.3
ISC Event type se.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC VIII 29 02 17 57.9–.72 36.09N–.10 142.61E–.08 18 4.3b,3.5s 83 4-90
NEIC VIII 29 02 17 53.1–1.4 35.93N–.07 143.12E–.07 10–1 4.5b,3.5s **¶621009923**
IDC VIII 29 02 17 54.5–.75 36.21N 142.61E 0 3.8b,3.8
MOS VIII 29 02 17 58.2–1.2 36.24N 142.59E 34 4.7b,3.8
NIED VIII 29 02 17 59.0 36.22N 142.53E 12 4.0W,3.8
JMA VIII 29 02 17 59.0–.06 36.2N–.20 142.5E–.50 12–1 3.8,3.8

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.87 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.94 $M_{r\theta}$0.29 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.27 NP1:ϕ_s183.00000°,δ37.00000°,λ68.00000°. NP2:ϕ_s30.00000°,δ56.00000°,λ105.00000°. $M_0$1.05000×10^{15}
JMA Event type ke. FAR E OFF KANTO .
JMA IX 02 11 07 23.6–.07 40.4N–.20 145.0E–.70 20–1 3.6
¶626521298
JMA Event type ke. FAR E OFF NORTH HONSHU .
JMA IX 01 06 02 00.9–.07 37.9N–.20 142.5E–.30 40–0 3.8
NIED IX 01 06 02 00.9 37.86N 142.52E 40 3.6W **¶621146451**
JMA Event type ke. SE OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.87 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$0.02 $M_{r\theta}$-0.44 $M_{\theta\phi}$1.34 $M_{\phi r}$-1.25 NP1:ϕ_s269.00000°,δ51.00000°,λ46.00000°. NP2:ϕ_s146.00000°,δ56.00000°,λ131.00000°. $M_0$2.66000×10^{14}
ISC IX 02 18 38 59.3–1.3 37.94N–.07 142.65E–.10 14 3.6b 14 1-58
IDC IX 02 18 38 57.4–1.5 37.77N 142.77E 0 3.6b,3.6 **¶621080698**
NIED IX 02 18 39 01.6 37.81N 142.45E 23 3.5W,3.6
JMA IX 02 18 39 01.6–.06 37.8N–.20 142.5E–.30 23–1 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.08 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.08 $M_{r\theta}$1.06 $M_{\theta\phi}$-0.47 $M_{\phi r}$1.90 NP1:ϕ_s287.00000°,δ8.00000°,λ169.00000°. NP2:ϕ_s27.00000°,δ89.00000°,λ82.00000°. $M_0$2.20000×10^{14}
JMA Event type ke. SE OFF MIYAGI PREF .
ISC IX 02 19 03 50.1–.74 39.45N–.06 144.65E–.09 23 4.1b,3.4s 53 3-129
NEIC IX 02 19 03 48.5–1.9 39.49N–.06 144.71E–.08 10–1 4.4b,3.4s **¶621023959**
NIED IX 02 19 03 52.5 39.46N 144.50E 47 4.0W,3.4s
IDC IX 02 19 03 52.5–2.7 39.47N 144.58E 40–22 3.9,3.8L
JMA IX 02 19 03 52.5–.10 39.5N–.20 144.5E–.40 47–1 4.6,3.8L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.29 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-0.32 $M_{r\theta}$0.77 $M_{\theta\phi}$0.06 $M_{\phi r}$0.40 NP1:ϕ_s124.00000°,δ23.00000°,λ-29.00000°. NP2:ϕ_s241.00000°,δ79.00000°,λ-111.00000°. $M_0$1.00000×10^{15}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC IX 03 23 10 27.4–2.1 37.4N–.30 142.3E–.10 21 3.3b 9 1-49
IDC IX 03 23 10 20.5–3.0 36.79N 142.96E 0 3.2b,3.2s **¶621081594**
JMA IX 03 23 10 30.2–.06 37.2N–.30 142.2E–.30 23–0 3.0,3.2s
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC IX 06 01 22 11.8–.77 38.08N–.07 144.67E–.09 10 4.1b 36 4-75
IDC IX 06 01 22 10.0–1.0 37.87N 144.95E 0 3.8,3.7b **¶621094219**
NEIC IX 06 01 22 11.9–1.7 38.06N–.05 144.7E–.10 10–1 4.4b,3.7b
NIED IX 06 01 22 12.7 38.00N 144.80E 28 3.8W,3.7b
JMA IX 06 01 22 12.7–.11 38.0N–.30 144.8E–.60 28–1 3.6,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.80 $M_{\theta\theta}$1.84 $M_{\phi\phi}$3.97 $M_{r\theta}$0.90 $M_{\theta\phi}$0.69 $M_{\phi r}$3.64 NP1:ϕ_s17.00000°,δ27.00000°,λ-88.00000°. NP2:ϕ_s195.00000°,δ63.00000°,λ-91.00000°. $M_0$6.24000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC IX 13 12 17 23.6–1.9 38.2N–.20 144.5E–.20 10 3.5b 5 5-59
IDC IX 13 12 17 20.6–2.1 38.38N 144.90E 0 3.6b,3.6 **¶621109708**
NIED IX 13 12 17 24.0 38.41N 144.68E 19 3.5W,3.6
JMA IX 13 12 17 24.0–.09 38.4N–.20 144.7E–.60 19–1 3.5,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.10 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$1.23 $M_{r\theta}$1.20 $M_{\theta\phi}$0.46 $M_{\phi r}$0.84 NP1:ϕ_s352.00000°,δ28.00000°,λ-138.00000°. NP2:ϕ_s224.00000°,δ72.00000°,λ-68.00000°. $M_0$1.93000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC IX 07 10 10 30.3–1.1 33.77N–.08 141.7E–.10 24 3.8b 14 1-77
IDC IX 07 10 10 26.7–.98 33.74N 141.85E 0 3.9L,3.9 **¶621094317**
JMA IX 07 10 10 32.5–.18 33.8N–.60 141.6E–.50 34–1 4.1,3.9
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC IX 08 15 49 49.0–.65 33.45N–.05 141.15E–.08 36–2 4.3s,4.2b 92 1-150
NEIC IX 08 15 49 48.5–2.1 33.41N–.06 141.19E–.08 32–5 4.6b,4.2b **¶621105784**
NIED IX 08 15 49 50.0 33.50N 141.06E 44 4.0W,4.2b
IDC IX 08 15 49 50.8–2.0 33.54N 140.99E 46–17 4.2s,4.1
JMA IX 08 15 49 50.0–.08 33.5N–.40 141.1E–.40 44–0 4.0,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.25 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.28 $M_{r\theta}$-0.19 $M_{\theta\phi}$-0.31 $M_{\phi r}$0.18 NP1:ϕ_s203.00000°,δ43.00000°,λ106.00000°. NP2:ϕ_s2.00000°,δ49.00000°,λ76.00000°. $M_0$1.33000×10^{15}
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC IX 11 11 00 10.9–.56 38.70N–.06 144.25E–.07 14 4.3b 97 3-145
IDC IX 11 11 00 08.3–.59 38.50N 144.34E 0 4.1b,4.1 **¶621069787**
NEIC IX 11 11 00 10.6–1.5 38.76N–.07 144.2E–.10 10–1 4.4b,4.1
NIED IX 11 11 00 11.3 38.60N 144.36E 26 4.2W,4.1
JMA IX 11 11 00 11.3–.09 38.6N–.30 144.4E–.60 26–1 4.2,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.88 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$2.14 $M_{r\theta}$-0.36 $M_{\theta\phi}$0.16 $M_{\phi r}$0.62 NP1:ϕ_s17.00000°,δ38.00000°,λ-70.00000°. NP2:ϕ_s172.00000°,δ55.00000°,λ-105.00000°. $M_0$2.15000×10^{15}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC IX 15 15 02 09.7–1.1 35.60N–.10 143.7E–.10 35 3.4b 12 4-60
IDC IX 15 15 02 04.9–1.1 35.57N 144.06E 0 3.6,3.5b **¶621111991**
NIED IX 15 15 02 10.2 35.60N 143.72E 42 3.7W,3.5b
JMA IX 15 15 02 10.2–.12 35.6N–.40 143.7E–.70 42–1 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.61 $M_{\theta\theta}$0.15 $M_{\phi\phi}$3.46 $M_{r\theta}$1.36 $M_{\theta\phi}$1.26 $M_{\phi r}$1.66 NP1:ϕ_s8.00000°,δ32.00000°,λ-108.00000°. NP2:ϕ_s209.00000°,δ60.00000°,λ-79.00000°. $M_0$4.33000×10^{14}
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
ISC IX 15 18 11 52.8–.97 36.94N–.08 142.06E–.07 19 3.5b 12 1-61
IDC IX 15 18 11 50.2–1.1 36.85N 142.46E 0 3.4,3.3b **¶621112003**
JMA IX 15 18 11 53.7–.05 37.0N–.20 142.1E–.30 22–1 3.3,3.3b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC IX 18 20 42 37.3–.70 34.27N–.06 141.18E–.07 10 4.4b 64 0-148
IDC IX 18 20 42 36.3–1.1 34.32N 141.27E 0 3.9b,3.9 **¶621082997**
NEIC IX 18 20 42 37.6–1.2 34.27N–.02 141.1E–.10 10–1 4.6b,3.9
NIED IX 18 20 42 39.3 34.38N 141.23E 18 4.0W,3.9
JMA IX 18 20 42 39.3–.07 34.4N–.30 141.2E–.40 18–1 3.7,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-0.82 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.23 $M_{\phi r}$-0.21 NP1:ϕ_s7.00000°,δ37.00000°,λ70.00000°. NP2:ϕ_s211.00000°,δ56.00000°,λ104.00000°. $M_0$1.02000×10^{15}
JMA Event type ke. FAR SE OFF BOSO PEN .
ISC IX 24 09 36 34.2–.76 34.07N–.07 141.65E–.08 10 3.7b 41 1-147
NEIC IX 24 09 36 31.9–1.1 33.98N–.07 141.9E–.10 10–2 4.4b **¶621126423**
IDC IX 24 09 36 33.0–.77 34.05N 141.72E 0 3.8b,3.8
NIED IX 24 09 36 37.2 34.09N 141.68E 16 3.8W,3.8
JMA IX 24 09 36 37.2–.07 34.1N–.40 141.7E–.40 16–2 3.8,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.56 $M_{\theta\theta}$2.00 $M_{\phi\phi}$-4.56 $M_{r\theta}$-2.22 $M_{\theta\phi}$-1.58 $M_{\phi r}$1.23 NP1:ϕ_s228.00000°,δ54.00000°,λ147.00000°. NP2:ϕ_s338.00000°,δ64.00000°,λ41.00000°. $M_0$4.96000×10^{14}
JMA Event type ke. FAR SE OFF BOSO PEN .
JMA IX 24 06 43 06.2–.06 36.3N–.70 143.4E–.80 17–3 3.7
¶626506682
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
ISC IX 24 02 13 04.8–1.8 33.52N–.07 141.1E–.10 48–22 25 1-57
IDC IX 24 02 13 03.3–1.3 33.08N 138.52E 0 3.8b,3.6 **¶621126400**
JMA IX 24 02 13 04.5–.06 33.5N–.30 141.1E–.30 45–0 3.4,3.6
ISC Event type se.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC X 05 14 22 02.1–.66 40.22N–.06 143.87E–.09 16 4.2b 60 2-74
IDC X 05 14 21 59.7–.99 40.26N 143.89E 0 3.9b,3.9 **¶621125901**
NEIC X 05 14 22 01.8–1.7 40.33N–.06 143.9E–.10 10–1 4.4b,3.9
NIED X 05 14 22 03.9 40.33N 143.83E 19 3.8W,3.9
JMA X 05 14 22 03.9–.05 40.3N–.20 143.8E–.30 19–1 3.8,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.01 $M_{\theta\theta}$0.82 $M_{\phi\phi}$-5.83 $M_{r\theta}$1.76 $M_{\theta\phi}$-1.83 $M_{\phi r}$2.24 NP1:ϕ_s179.00000°,δ34.00000°,λ66.00000°. NP2:ϕ_s27.00000°,δ59.00000°,λ105.00000°. $M_0$6.37000×10^{14}
JMA Event type ke. FAR E OFF SANRIKU .
ISC X 03 08 49 37.7–.52 34.33N–.06 141.66E–.06 10 4.4b,3.3s 103 1-148
IDC X 03 08 49 35.8–.59 34.28N 141.61E 0 3.9,3.8b **¶621117087**
NEIC X 03 08 49 38.5–1.0 34.36N–.06 141.62E–.09 10–1 4.6b,3.8b
NIED X 03 08 49 40.1 34.43N 141.53E 11 4.0W,3.8b
JMA X 03 08 49 40.1–.07 34.4N–.20 141.5E–.30 11–0 3.5,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.77 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.80 $M_{r\theta}$-0.00 $M_{\theta\phi}$0.01 $M_{\phi r}$0.75 NP1:ϕ_s179.00000°,δ23.00000°,λ89.00000°. NP2:ϕ_s360.00000°,δ67.00000°,λ90.00000°. $M_0$1.09000×10^{15}
JMA Event type ke. FAR SE OFF BOSO PEN .
JMA IX 29 18 19 53.6–.11 40.1N–.30 144.9E–.60 61–0 3.8
¶626513077
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC X 01 10 28 31.6–1.8 34.5N–.20 141.8E–.20 10 3.4b 8 1-58
JMA X 01 10 28 35.0–.30 34.5N–.40 141.6E–.60 7–2 3.3 **¶621147826**
IDC X 01 10 28 38.0–1.6 33.62N 139.39E 0 3.3b,3.3
ISC Event type se.
JMA Event type ke. FAR SE OFF BOSO PEN .
IDC Error ellipse: s-maj=56.6km s-min=15.0km az=78.0.
ISC X 02 11 01 50.7–2.2 34.4N–.30 141.6E–.30 10 3.6b 7 1-78
JMA X 02 11 01 53.4–.07 34.5N–.30 141.5E–.40 15–1 3.3 **¶621186060**
IDC X 02 11 01 56.1–2.1 33.66N 139.37E 0 3.9s,3.6b
ISC Event type ke.
JMA Event type ke. FAR SE OFF BOSO PEN .
IDC Error ellipse: s-maj=95.5km s-min=14.9km az=77.0.
ISC X 05 09 32 51.3–.67 39.15N–.06 144.30E–.08 19 4.0b 50 3-87
IDC X 05 09 32 48.0–.76 39.08N 144.45E 0 3.8,3.7L **¶621203166**
NEIC X 05 09 32 50.9–.78 39.21N–.07 144.3E–.10 10–1 4.1b,3.7L
NIED X 05 09 32 50.4 39.08N 144.48E 26 3.8W,3.7L
JMA X 05 09 32 50.4–.09 39.1N–.30 144.5E–.50 26–1 4.1,3.7L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.53 $M_{\theta\theta}$-2.30 $M_{\phi\phi}$5.83 $M_{r\theta}$-3.06 $M_{\theta\phi}$-0.71 $M_{\phi r}$3.01 NP1:ϕ_s27.00000°,δ38.00000°,λ-34.00000°. NP2:ϕ_s146.00000°,δ70.00000°,λ-123.00000°. $M_0$6.67000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
JMA X 15 15 49 33.3–.06 38.1N–.20 144.0E–.20 26–1 3.1
IDC X 15 15 49 29.8–2.1 38.00N 144.39E 0 3.8b,3.5 **¶621242069**
JMA Event type ke. FAR E OFF NORTH HONSHU .
IDC Error ellipse: s-maj=43.4km s-min=19.8km az=92.0.
ISC X 13 00 56 41.1–1.4 37.22N–.07 142.05E–.09 10 3.5b 11 1-57
IDC X 13 00 56 38.5–2.0 37.26N 142.45E 0 3.5L,3.5 **¶621238941**
NIED X 13 00 56 43.0 37.26N 142.16E 23 3.6W,3.5
JMA X 13 00 56 43.0–.07 37.3N–.30 142.2E–.40 23–1 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.80 $M_{\theta\theta}$2.72 $M_{\phi\phi}$-0.92 $M_{r\theta}$-0.60 $M_{\theta\phi}$-1.30 $M_{\phi r}$1.35 NP1:ϕ_s255.00000°,δ46.00000°,λ-144.00000°. NP2:ϕ_s138.00000°,δ65.00000°,λ-50.00000°. $M_0$3.07000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
JMA X 15 03 12 19.8–.08 36.2N–.30 143.0E–.30 29–1 3.6
¶626634827
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
JMA X 15 03 17 28.7–.09 37.0N–.40 144.0E–.70 16–0 3.1
IDC X 15 03 17 27.7–4.5 36.57N 144.20E 0 3.4b,3.3 **¶621242029**
JMA Event type ke. FAR E OFF NORTH HONSHU .
IDC Error ellipse: s-maj=91.7km s-min=24.1km az=24.0.
ISC X 12 19 00 50.7–3.2 36.2N–.30 142.8E–.20 35 3.5b 9 4-47
IDC X 12 19 00 42.0–3.0 35.82N 143.20E 0 3.7b,3.6 **¶621236966**
JMA X 12 19 00 50.9–.07 36.2N–.30 142.6E–.50 10–0 2.9,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF KANTO .
JMA X 13 04 52 49.7–.10 38.6N–.20 144.3E–.40 31–1 3.9
NIED X 13 04 52 49.7 38.61N 144.27E 31 3.6W **¶621385094**
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.38 $M_{\theta\theta}$0.55 $M_{\phi\phi}$0.84 $M_{r\theta}$-1.17 $M_{\theta\phi}$-1.18 $M_{\phi r}$-1.55 NP1:ϕ_s111.00000°,δ46.00000°,λ-145.00000°. NP2:ϕ_s355.00000°,δ66.00000°,λ-50.00000°. $M_0$2.44000×10^{14}
JMA X 08 08 41 59.1–.09 38.4N–.20 144.4E–.60 23–1 3.7
¶626630433
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC X 23 21 35 42.5–2.1 37.62N–.05 142.06E–.08 6–12 3.5b 22 1-61
IDC X 23 21 35 42.4–1.3 37.58N 142.19E 0 3.5,3.4b **¶621309395**
NIED X 23 21 35 44.6 37.65N 141.96E 14 3.4W,3.4b
JMA X 23 21 35 44.6–.04 37.7N–.20 142.0E–.30 14–0 3.8,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.14 $M_{\theta\theta}$1.00 $M_{\phi\phi}$-1.13 $M_{r\theta}$-0.66 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.52 NP1:ϕ_s232.00000°,δ56.00000°,λ170.00000°. NP2:ϕ_s328.00000°,δ82.00000°,λ34.00000°. $M_0$1.42000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
JMA X 25 10 16 57.9–.15 36.5N–.50 144.5E–.80 42–1 3.9
¶626642107
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
ISC X 24 23 11 17.4–.82 40.01N–.08 143.6E–.10 6 3.8b 19 4-87
IDC X 24 23 11 16.2–.81 39.87N 143.53E 0 3.7b,3.7 **¶621366414**
NIED X 24 23 11 19.2 39.92N 143.62E 17 3.9W,3.7
JMA X 24 23 11 19.2–.05 39.9N–.20 143.6E–.30 17–1 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.34 $M_{\theta\theta}$0.85 $M_{\phi\phi}$-6.18 $M_{r\theta}$2.48 $M_{\theta\phi}$-4.14 $M_{\phi r}$4.16 NP1:ϕ_s196.00000°,δ28.00000°,λ77.00000°. NP2:ϕ_s31.00000°,δ63.00000°,λ97.00000°. $M_0$8.29000×10^{14}
JMA Event type ke. FAR E OFF SANRIKU .
ISC X 25 16 00 12.1–.95 34.10N–.07 141.60E–.09 24 3.6b 15 1-58
IDC X 25 16 00 08.7–1.0 34.13N 141.84E 0 3.6b,3.6 **¶621366439**
JMA X 25 16 00 12.8–.11 34.3N–.20 141.6E–.30 10–1 2.9,3.6
ISC Event type ke.
JMA Event type ke. FAR SE OFF BOSO PEN .
ISC XI 02 15 00 14.6–.50 36.04N–.06 143.10E–.07 35 4.5b 51 4-90
IDC XI 02 15 00 10.0–.81 36.01N 143.14E 0 3.9b,3.9 **¶621401346**
NEIC XI 02 15 00 11.7–.64 36.03N–.07 143.1E–.10 10–1 4.6b,3.9
NIED XI 02 15 00 13.2 36.01N 143.01E 32 3.8W,3.9
JMA XI 02 15 00 13.2–.10 36.0N–.20 143.0E–.30 32–1 3.8,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.91 $M_{\theta\theta}$1.01 $M_{\phi\phi}$2.90 $M_{r\theta}$-2.28 $M_{\theta\phi}$1.63 $M_{\phi r}$-1.91 NP1:ϕ_s199.00000°,δ28.00000°,λ-110.00000°. NP2:ϕ_s42.00000°,δ64.00000°,λ-80.00000°. $M_0$4.89000×10^{14}
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
ISC X 26 16 27 55.1–.59 37.24N–.04 142.27E–.04 26–3 4.9b,4.1s 486 1-149

BJI X 26 16 27 50.0 37.08N 142.20E 10 5.0b,4.9b **¶621240781**
MOS X 26 16 27 51.6–1.0 37.31N 142.32E 15 4.9b,4.9b
IDC X 26 16 27 51.5–.50 37.23N 142.23E 0 4.6,4.5b
GFZ X 26 16 27 53.0–.35 37N–3.0 142E–5.0 10 5.5b,5.2L
NIED X 26 16 27 54.8 37.24N 142.17E 23 4.7W,5.2L
JMA X 26 16 27 54.8–.06 37.2N–.30 142.2E–.30 23–0 5.0,4.7W
NEIC X 26 16 27 55.1–.80 37.26N–.06 142.24E–.10 23–4 4.9b,4.7W
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.22 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-0.27 $M_{r\theta}$-0.60 $M_{\theta\phi}$0.19 $M_{\phi r}$1.17 NP1:ϕ_s160.00000°,δ6.00000°,λ97.00000°. NP2:ϕ_s333.00000°,δ84.00000°,λ89.00000°. M_o1.34000×10^{16}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 26 16 40 10.8–.64 37.29N–.07 142.28E–.07 21 4.2b 52 1-151
IDC X 26 16 40 08.3–.76 37.16N 142.33E 0 3.9b,3.9 **¶621240791**
NEIC X 26 16 40 11.8–1.7 37.20N–.06 142.4E–.10 32–6 4.5b,3.9
NIED X 26 16 40 12.0 37.26N 142.17E 22 3.9W,3.9
JMA X 26 16 40 12.0–.06 37.3N–.30 142.2E–.30 22–1 4.1,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.94 $M_{\theta\theta}$1.43 $M_{\phi\phi}$-0.49 $M_{r\theta}$-3.16 $M_{\theta\phi}$0.03 $M_{\phi r}$6.29 NP1:ϕ_s257.00000°,δ7.00000°,λ-164.00000°. NP2:ϕ_s152.00000°,δ88.00000°,λ-84.00000°. M_o7.09000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC X 30 17 58 13.2–1.3 39.49N 143.59E 0 3.4s,3.2b
¶621395189
IDC Error ellipse: s-maj=47.9km s-min=30.0km az=98.0.
ISC X 31 11 54 41.1–1.4 36.09N–.09 142.2E–.10 23 7 3-45
IDC X 31 11 54 41.8–3.2 36.03N 142.32E 43–31 3.6,3.3b **¶621395243**
JMA X 31 11 54 43.9–.04 36.2N–.20 141.9E–.30 18–1 3.4,3.3b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC XI 06 14 40 05.7–.93 37.29N–.06 142.24E–.08 35 4.4b 23 1-67
IDC XI 06 14 40 01.9–.92 37.21N 142.40E 0 4.1b,4.1 **¶621415987**
NIED XI 06 14 40 08.3 37.37N 141.93E 39 4.2W,4.1
JMA XI 06 14 40 08.3–.09 37.4N–.30 141.9E–.30 39–0 4.4,4.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.37 $M_{\theta\theta}$-0.88 $M_{\phi\phi}$0.51 $M_{r\theta}$0.79 $M_{\theta\phi}$1.47 $M_{\phi r}$0.89 NP1:ϕ_s342.00000°,δ63.00000°,λ160.00000°. NP2:ϕ_s82.00000°,δ72.00000°,λ29.00000°. M_o2.02000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC XI 03 00 02 26.1–.77 35.99N–.08 143.0E–.10 35 4.2b 32 4-76
IDC XI 03 00 02 20.7–1.1 36.04N 143.35E 0 3.8,3.7b **¶621412202**
NEIC XI 03 00 02 23.3–1.1 35.95N–.06 143.0E–.10 10–1 4.5b,3.7b
NIED XI 03 00 02 24.5 36.01N 143.00E 31 3.6W,3.7b
JMA XI 03 00 02 24.5–.12 36.0N–.30 143.0E–.30 31–1 3.8,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.20 $M_{\theta\theta}$0.95 $M_{\phi\phi}$2.25 $M_{r\theta}$-0.92 $M_{\theta\phi}$1.11 $M_{\phi r}$0.35 NP1:ϕ_s196.00000°,δ45.00000°,λ-111.00000°. NP2:ϕ_s44.00000°,δ48.00000°,λ-70.00000°. M_o3.17000×10^{14}
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
ISC XI 03 23 12 59.3–1.1 35.95N–.09 142.8E–.10 35 3.7b 11 4-146
IDC XI 03 23 12 54.1–1.0 36.05N 143.12E 0 3.7b,3.7 **¶621412263**
NIED XI 03 23 12 57.3 36.02N 143.00E 30 3.7W,3.7
JMA XI 03 23 12 57.3–.13 36.0N–.30 143.0E–.40 30–2 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.66 $M_{\theta\theta}$1.21 $M_{\phi\phi}$2.45 $M_{r\theta}$-1.17 $M_{\theta\phi}$0.78 $M_{\phi r}$0.78 NP1:ϕ_s40.00000°,δ45.00000°,λ-67.00000°. NP2:ϕ_s190.00000°,δ49.00000°,λ-111.00000°. M_o3.45000×10^{14}
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
ISC XI 07 05 52 36.4–.75 40.21N–.08 144.97E–.08 32 3.9b 36 2-86
IDC XI 07 05 52 31.5–.79 40.06N 145.23E 0 3.8,3.7b **¶621416022**
NEIC XI 07 05 52 33.5–.79 40.23N–.07 145.0E–.10 10–1 4.5b,3.7b
NIED XI 07 05 52 33.9 40.16N 145.12E 27 3.8W,3.7b
JMA XI 07 05 52 33.9–.09 40.2N–.20 145.1E–.60 27–0 4.2,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.85 $M_{\theta\theta}$1.12 $M_{\phi\phi}$4.73 $M_{r\theta}$1.45 $M_{\theta\phi}$1.10 $M_{\phi r}$1.02 NP1:ϕ_s8.00000°,δ38.00000°,λ-104.00000°. NP2:ϕ_s205.00000°,δ53.00000°,λ-79.00000°. M_o5.71000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC XI 14 10 55 31.9–.90 40.10N–.08 144.7E–.10 10 3.8b 14 4-86
IDC XI 14 10 55 29.9–.68 40.02N 144.98E 0 3.8b,3.8 **¶621468667**
NIED XI 14 10 55 33.1 40.04N 144.81E 18 3.8W,3.8
JMA XI 14 10 55 33.1–.05 40.0N–.20 144.8E–.50 18–0 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.72 $M_{\theta\theta}$0.74 $M_{\phi\phi}$4.98 $M_{r\theta}$1.75 $M_{\theta\phi}$0.83 $M_{\phi r}$0.61 NP1:ϕ_s358.00000°,δ42.00000°,λ-110.00000°. NP2:ϕ_s204.00000°,δ51.00000°,λ-73.00000°. M_o5.70000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC XI 11 22 06 49.3–.60 33.87N–.07 141.71E–.07 10 4.2b,3.8s 73 1-149
NEIC XI 11 22 06 48.9–1.4 33.90N–.08 141.8E–.10 10–1 4.5b,3.8s **¶621399225**
IDC XI 11 22 06 48.1–.70 33.90N 141.81E 0 3.9b,3.9
NIED XI 11 22 06 52.4 33.94N 141.67E 8 4.1W,3.9
JMA XI 11 22 06 52.4–.13 33.9N–.40 141.7E–.30 8–1 3.9,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.35 $M_{\theta\theta}$0.30 $M_{\phi\phi}$-1.65 $M_{r\theta}$-0.60 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.15 NP1:ϕ_s217.00000°,δ50.00000°,λ125.00000°. NP2:ϕ_s349.00000°,δ51.00000°,λ55.00000°. M_o1.71000×10^{15}
JMA Event type ke. FAR SE OFF BOSO PEN .
ISC XI 22 23 49 06.8–.86 38.84N–.07 145.07E–.10 35 3.9b 36 3-87
IDC XI 22 23 49 01.4–.90 38.78N 145.33E 0 3.9,3.8b **¶621611930**
NEIC XI 22 23 49 03.5–1.5 38.89N–.08 145.22E–.07 10–1 4.4b,3.8b
NIED XI 22 23 49 04.7 38.89N 145.16E 31 3.9W,3.8b
JMA XI 22 23 49 04.7–.14 38.9N–.40 145.2E–.90 31–1 4.2,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-8.48 $M_{\theta\theta}$2.41 $M_{\phi\phi}$6.07 $M_{r\theta}$0.92 $M_{\theta\phi}$1.10 $M_{\phi r}$0.44 NP1:ϕ_s12.00000°,δ43.00000°,λ-96.00000°. NP2:ϕ_s200.00000°,δ48.00000°,λ-84.00000°. M_o7.49000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC XI 14 15 04 51.6–.74 36.73N–.06 143.00E–.08 10 4.3b 44 4-82
IDC XI 14 15 04 51.1–1.1 36.74N 143.01E 0 3.8,3.7b **¶635642624**
NEIC XI 14 15 04 52.5–1.0 36.78N–.08 142.90E–.04 10–1 4.4b,3.7b
NIED XI 14 15 04 53.9 36.74N 142.87E 24 3.8W,3.7b
JMA XI 14 15 04 53.9–.07 36.7N–.20 142.9E–.40 24–2 3.6,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.06 $M_{\theta\theta}$0.18 $M_{\phi\phi}$-5.24 $M_{r\theta}$0.02 $M_{\theta\phi}$-2.75 $M_{\phi r}$3.09 NP1:ϕ_s218.00000°,δ34.00000°,λ114.00000°. NP2:ϕ_s10.00000°,δ60.00000°,λ75.00000°. M_o6.55000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF.
JMA XI 19 08 32 15.5–.13 35.5N–.40 144.2E–.70 52–1 3.6
¶635646376
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
JMA XI 15 03 04 30.3–.11 37.1N–.30 144.6E–.70 48–0 4.1
¶635643079
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED XI 15 16 12 15.0 39.76N 144.71E 29 3.5W
JMA XI 15 16 12 15.0–.09 39.8N–.20 144.7E–.50 29–1 3.6 **¶621615771**

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.96 $M_{\theta\theta}$0.37 $M_{\phi\phi}$1.58 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.68 $M_{\phi r}$-0.33 NP1:ϕ_s208.00000°,δ41.00000°,λ-84.00000°. NP2:ϕ_s21.00000°,δ50.00000°,λ-95.00000°. M_o1.95000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC XI 24 11 34 19.5–.87 36.25N–.07 142.04E–.09 23 3.9b,3.7s 40 1-80
IDC XI 24 11 34 16.8–1.0 36.24N 142.04E 0 3.8,3.7b **¶621613975**
NEIC XI 24 11 34 20.8–2.1 36.28N–.08 142.1E–.10 27–7 4.2b,3.7b
NIED XI 24 11 34 22.7 36.24N 141.79E 21 3.8W,3.7b
JMA XI 24 11 34 22.7–.05 36.2N–.20 141.8E–.30 21–1 3.6,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.40 $M_{\theta\theta}$1.05 $M_{\phi\phi}$-3.45 $M_{r\theta}$1.51 $M_{\theta\phi}$-0.56 $M_{\phi r}$4.33 NP1:ϕ_s167.00000°,δ18.00000°,λ60.00000°. NP2:ϕ_s19.00000°,δ74.00000°,λ100.00000°. M_o5.48000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC XI 26 05 50 32.9–1.1 37.0N–.10 142.36E–.09 9 3.6b 12 1-57
IDC XI 26 05 50 30.9–1.3 37.05N 142.50E 0 3.6b,3.6 **¶621615775**
NIED XI 26 05 50 34.6 37.17N 142.21E 20 3.7W,3.6
JMA XI 26 05 50 34.6–.05 37.2N–.30 142.2E–.30 20–0 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.13 $M_{\theta\theta}$0.99 $M_{\phi\phi}$1.15 $M_{r\theta}$1.11 $M_{\theta\phi}$0.92 $M_{\phi r}$2.79 NP1:ϕ_s54.00000°,δ19.00000°,λ-63.00000°. NP2:ϕ_s206.00000°,δ73.00000°,λ-99.00000°. M_o3.63000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC XI 25 01 37 25.1–1.7 36.0N–.20 143.0E–.20 10 3.7b 6 4-60
IDC XI 25 01 37 21.5–2.0 36.17N 143.49E 0 3.5b,3.5s **¶621615773**
NIED XI 25 01 37 24.4 36.26N 143.33E 16 3.5W,3.5s
JMA XI 25 01 37 24.4–.05 36.3N–.50 143.3E–.50 16–2 3.8,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.69 $M_{\theta\theta}$0.15 $M_{\phi\phi}$1.54 $M_{r\theta}$-0.32 $M_{\theta\phi}$0.27 $M_{\phi r}$1.27 NP1:ϕ_s22.00000°,δ28.00000°,λ-67.00000°. NP2:ϕ_s176.00000°,δ64.00000°,λ-102.00000°. M_o2.09000×10^{14}
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
JMA XI 27 19 30 59.1–.08 37.1N–.20 144.3E–.50 28–0 2.6
¶635860115
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC XI 26 02 31 31.1–.95 36.76N–.09 142.90E–.09 10 3.7b 30 4-61
IDC XI 26 02 31 30.0–1.0 36.78N 142.98E 0 3.8,3.7b **¶621621979**
JMA XI 26 02 31 32.4–.05 36.7N–.20 142.9E–.40 22–1 3.4,3.7b
NEIC XI 26 02 31 33.2–1.5 36.83N–.08 142.8E–.10 23–7 4.3b,3.7b
ISC Event type ke.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 02 01 15.9–1.8 34.62N–.09 141.8E–.10 21 3.7b 10 1-58
IDC XI 30 02 01 11.4–1.8 34.69N 142.15E 0 3.5b,3.5 **¶621627006**
JMA XI 30 02 01 15.4–.08 34.7N–.20 141.9E–.30 33–2 3.2,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF KANTO .
IDC XI 30 12 38 30.8–6.5 34.29N 141.78E 234–52 3.2,2.8b
¶621627057
IDC Error ellipse: s-maj=144.7km s-min=31.4km az=90.0.
ISC XI 29 21 43 02.1–.72 39.70N–.07 143.32E–.07 11 4.1b,3.3s 53 1-81
IDC XI 29 21 43 00.1–1.1 39.56N 143.44E 0 3.8b,3.8 **¶635653327**
NIED XI 29 21 43 04.5 39.62N 143.22E 14 3.9W,3.8
JMA XI 29 21 43 04.5–.04 39.6N–.20 143.2E–.20 14–1 3.7,3.8
NEIC XI 29 21 43 05.5–1.8 39.64N–.08 143.3E–.10 34–7 4.3b,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.50 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-3.43 $M_{r\theta}$2.79 $M_{\theta\phi}$-2.36 $M_{\phi r}$6.28 NP1:ϕ_s213.00000°,δ15.00000°,λ98.00000°. NP2:ϕ_s24.00000°,δ75.00000°,λ88.00000°. M_o7.99000×10^{14}
JMA Event type ke. FAR E OFF SANRIKU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 01 17 40 48.0–.88 39.16N–.08 143.2E–.10 35 3.9b 37 2-75
IDC XII 01 17 40 49.0–2.6 39.14N 143.14E 43–23 3.8,3.5b **¶621629835**
JMA XII 01 17 40 48.5–.04 39.2N–.20 142.9E–.20 22–0 3.8,3.5b
NEIC XII 01 17 40 49.3–1.8 39.26N–.07 143.1E–.10 35–1 4.2b,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 04 07 37 43.0–2.0 34.9N–.10 141.2E–.20 40–13 3.5b 12 0-59
IDC XII 04 07 37 34.6–3.2 35.23N 142.05E 0 3.5b,3.3 **¶621630652**
JMA XII 04 07 37 40.8–.09 35.1N–.30 141.2E–.40 8–1 2.5,3.3
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
JMA XII 12 18 46 22.1–.15 36.0N–.50 144.3E–.80 49–1 4.3
¶635663877
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
ISC XII 04 15 47 05.5–1.6 33.21N–.09 141.3E–.10 41 9 1-74
IDC XII 04 15 46 58.4–6.7 33.30N 141.93E 0 3.8s,3.5b **¶621630677**
JMA XII 04 15 47 06.1–.12 33.3N–.60 141.1E–.50 46–1 3.2,3.5b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC XII 08 18 50 51.5–1.1 34.20N–.07 141.83E–.09 21 3.7s,3.5b 12 1-71
IDC XII 08 18 50 49.2–1.2 34.16N 141.98E 0 3.7s,3.6 **¶621634741**
JMA XII 08 18 50 54.7–.04 34.2N–.20 141.7E–.20 22–0 3.3,3.6
ISC Event type ke.
JMA Event type ke. FAR SE OFF BOSO PEN .
ISC XII 16 02 23 09.7–1.7 35.96N–.10 142.1E–.20 10 3.4b 8 3-60
IDC XII 16 02 23 05.8–2.1 36.15N 142.69E 0 3.4b,3.4 **¶621655747**
JMA XII 16 02 23 12.3–.08 36.1N–.30 142.1E–.30 11–1 3.3,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC XII 12 17 40 04.6–.43 35.69N–.06 144.24E–.06 35 4.3b,3.3s 85 4-145
IDC XII 12 17 40 00.7–.63 35.76N 144.38E 0 4.0L,3.9b **¶621650526**
NEIC XII 12 17 40 01.6–2.4 35.83N–.03 144.3E–.10 10–1 4.6b,3.9b
JMA XII 12 17 40 03.5–.19 36.0N–.60 144E–1.0 44–2 4.6,3.9b
NIED XII 12 17 40 03.5 36.00N 144.22E 44 4.2W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=11.2km az=141.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=3.9km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.64 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$1.84 $M_{r\theta}$0.09 $M_{\theta\phi}$0.67 $M_{\phi r}$1.89 NP1:ϕ_s31.00000°,δ24.00000°,λ-66.00000°. NP2:ϕ_s185.00000°,δ68.00000°,λ-100.00000°. M_o2.64000×10^{15}
IDC XII 16 19 43 18.7–2.7 35.76N 142.44E 0 3.4b,3.4
JMA XII 16 19 43 23.5–.20 36.3N–.20 142.2E–.20 6–1 2.9,3.4 **¶621655806**
JMA Event type ke. FAR E OFF IBARAKI PREF .
JMA XII 24 01 41 58.8–.08 39.0N–.30 144.4E–.30 29–1 3.9
¶635670948
JMA Event type ke. FAR E OFF NORTH HONSHU .
IDC XII 17 07 17 29.0–2.6 36.19N 142.29E 0 3.5b,3.4
JMA XII 17 07 17 33.5–.18 36.2N–.20 141.9E–.20 5–1 3.4,3.4 **¶621656922**
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC XII 20 22 15 44.8–11 39.09N 144.36E 0 3.6b,3.6
¶621685649
IDC Error ellipse: s-maj=390.8km s-min=181.5km az=51.0.
ISC XII 20 19 32 26.5–1.1 37.3N–.10 142.4E–.10 21 3.5b 14 1-61
IDC XII 20 19 32 23.1–1.1 37.25N 142.49E 0 3.7,3.6b **¶621685638**
NIED XII 20 19 32 28.2 37.21N 142.21E 24 3.8W,3.6b
JMA XII 20 19 32 28.2–.06 37.2N–.30 142.2E–.30 24–0 3.8,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.08 $M_{\theta\theta}$0.78 $M_{\phi\phi}$2.30 $M_{r\theta}$-0.80 $M_{\theta\phi}$-1.69 $M_{\phi r}$3.36 NP1:ϕ_s312.00000°,δ24.00000°,λ-117.00000°. NP2:ϕ_s161.00000°,δ69.00000°,λ-79.00000°. M_o4.74000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .

ISC XII 20 19 48 23.9–.84 37.21N–.09 142.27E–.08 9 3.5b 18 1-77
IDC XII 20 19 48 22.4–.83 37.22N 142.35E 0 3.6,3.5b **¶621685639**
NIED XII 20 19 48 26.8 37.20N 142.22E 24 3.7W,3.5b
JMA XII 20 19 48 26.8–.05 37.2N–.30 142.2E–.30 24–0 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.57 $M_{\theta\theta}$1.25 $M_{\phi\phi}$0.32 $M_{r\theta}$-0.32 $M_{\theta\phi}$-1.43 $M_{\phi r}$4.21 NP1:ϕ_s281.00000°,δ22.00000°,λ-155.00000°. NP2:ϕ_s168.00000°,δ81.00000°,λ-70.00000°. M_o4.63000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC XII 29 06 31 25.8–1.3 37.3N–.10 144.8E–.10 35 7 5-61
IDC XII 29 06 31 22.0–1.6 37.22N 145.29E 0 3.6,3.3b **¶621724184**
JMA XII 29 06 31 27.3–.13 37.2N–.30 144.8E–.80 43–1 3.6,3.3b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC XII 28 08 56 30.9–.95 33.23N–.09 142.52E–.09 35 3.6b 17 2-92
IDC XII 28 08 56 25.8–.99 33.25N 142.87E 0 3.5b,3.5 **¶621717382**
JMA XII 28 08 56 28.1–.26 33N–1.0 142.7E–1.0 58–3 3.5,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
JMA XII 26 16 20 10.1–.10 38.1N–.20 144.7E–.60 22–1 3.5
¶635672644
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC XII 30 19 19 18.8–.40 33.16N–.05 142.57E–.06 33 4.4b,3.8s 111 2-148
IDC XII 30 19 19 13.4–1.1 32.96N 142.80E 0 3.8b,3.8 **¶621657569**
NEIC XII 30 19 19 16.1–1.5 33.20N–.07 142.59E–.08 10–1 4.5b,3.8
JMA XII 30 19 19 18.1–.26 33N–1.0 142.6E–1.0 54–4 3.6,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC XII 30 13 09 19.6–1.1 34.17N–.07 141.68E–.09 10 3.5b 13 1-52
IDC XII 30 13 09 19.4–1.2 34.23N 141.68E 0 3.7,3.5b **¶621726009**
JMA XII 30 13 09 23.2–.08 34.2N–.30 141.6E–.40 23–1 3.5,3.5b
ISC Event type ke.
JMA Event type ke. FAR SE OFF BOSO PEN .
ISC XII 30 23 21 50.5–1.7 33.1N–.20 142.6E–.10 33 3.5b 11 2-67
IDC XII 30 23 21 46.8–2.6 33.30N 142.84E 0 3.5,3.4b **¶621726034**
JMA XII 30 23 21 49.4–.22 33N–1.0 142.6E–.80 43–4 3.7,3.4b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .

(230) Near south coast of eastern Honshu.

ISC VII 02 19 30 42.7–.84 34.46N–.08 137.11E–.06 350 2.8b 32 0-69
JMA VII 02 19 30 42.2–.46 34N–3.0 137E–2.0 353–4 2.7 **¶620927770**
IDC VII 02 19 30 42.9–.74 34.39N 137.03E 342–13 3.4,2.7b
ISC Event type ke.
JMA Event type ke. ENSYUNADA .
IDC Error ellipse: s-maj=31.5km s-min=12.3km az=66.0.
ISC VII 07 20 59 27.4–.82 33.99N–.07 137.34E–.06 340–7 3.0b 38 0-57
JMA VII 07 20 59 26.2–.34 34N–2.0 137E–1.0 346–3 3.2 **¶626143042**
IDC VII 07 20 59 27.4–.66 33.90N 137.39E 340–11 3.6,2.9b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=24.5km s-min=13.3km az=59.0.
IDC VII 12 13 25 55.8–17 33.22N 137.12E 357–47 3.5,3.1b
¶620928492
IDC Error ellipse: s-maj=312.6km s-min=48.6km az=172.0.
ISC VII 19 18 24 51.3–.95 33.5N–.10 137.70E–.10 352 3.0b 18 0-70
JMA VII 19 18 24 49.5–.18 33N–3.0 138E–2.0 358 3.1 **¶620928886**
IDC VII 19 18 24 51.0–1.2 33.54N 137.76E 351–24 3.6,3.0b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=68.4km s-min=16.4km az=70.0.
ISC VII 23 15 00 25.6–.83 34.06N–.08 137.33E–.07 352–8 2.9b 31 0-57
JMA VII 23 15 00 23.9–.46 34N–2.0 137E–2.0 362–4 2.9 **¶620967922**
IDC VII 23 15 00 25.5–.70 34.02N 137.30E 351–9 3.4,2.7b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=21.9km s-min=11.1km az=63.0.
ISC VIII 06 18 58 35.0–.99 33.12N–.09 137.31E–.08 400 2.9b 27 1-57
IDC VIII 06 18 58 32.4–1.9 32.51N 136.14E 320–38 3.4,2.7b **¶620998919**
JMA VIII 06 18 58 32.5–.20 33N–3.0 137E–2.0 415 3.2,2.7b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
JMA VIII 03 20 33 21.0–.18 35.6N–.50 139.5E–.40 28–1 0.2
¶620965845
JMA Event type ke. KANAGAWA PREF .
ISC VIII 01 13 50 29.4–.53 34.50N–.04 139.73E–.04 120–4 4.0b 105 0-93
NEIC VIII 01 13 50 30.0–.99 34.47N–.06 139.76E–.09 123–4 4.3b **¶620925723**
IDC VIII 01 13 50 30.1–.48 34.44N 139.66E 121–5 3.9,3.5b
JMA VIII 01 13 50 30.1–.12 34.5N–.40 139.8E–.50 113–0 3.7,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR S OFF BOSO PENINSULA.
ISC VII 25 15 48 28.3–.85 33.95N–.08 137.30E–.08 338–7 2.7b 28 1-57
JMA VII 25 15 48 27.2–.18 34N–2.0 137E–2.0 352 2.9 **¶620973773**
IDC VII 25 15 48 28.3–.82 33.91N 137.35E 336–11 3.4,2.7b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=25.7km s-min=13.0km az=66.0.
ISC VIII 14 10 03 05.5–.88 35.78N–.06 139.12E–.06 127–6 3.7b 30 0-69
IDC VIII 14 10 03 06.6–.82 35.66N 138.78E 131–6 3.9,3.5b **¶621013478**
JMA VIII 14 10 03 06.5–.12 35.7N–.50 139.1E–.50 119–0 3.1,3.5b
ISC Event type ke.
JMA Event type ke. TOKYO PREF .
ISC VIII 06 23 34 12.8–1.1 33.9N–.10 137.51E–.08 342–9 25 0-54
JMA VIII 06 23 34 10.0–.14 34N–2.0 138E–2.0 361 3.1 **¶620998930**
IDC VIII 06 23 34 12.6–1.7 33.96N 137.86E 345–44 3.5,2.8b
ISC Event type ke.
JMA Event type ke. FAR S OFF SHIZUOKA PREF .
IDC Error ellipse: s-maj=110.4km s-min=30.8km az=60.0.
ISC VIII 06 23 44 59.9–.90 34.82N–.05 139.53E–.05 111–6 3.8b 30 0-70
IDC VIII 06 23 44 58.7–3.2 34.50N 139.13E 97–28 3.7,3.4b **¶620998931**
JMA VIII 06 23 45 00.8–.15 34.9N–.50 139.6E–.60 100–1 3.0,3.4b
ISC Event type ke.
JMA Event type ke. SAGAMINADA .
ISC VIII 18 01 48 11.8–1.4 33.7N–.20 137.28E–.09 352 3.2b 16 1-70
JMA VIII 18 01 48 10.3–.30 34N–4.0 137E–2.0 370 3.4 **¶621030326**
IDC VIII 18 01 48 11.5–6.2 33.61N 137.25E 356–23 3.8,3.1b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=104.2km s-min=42.4km az=171.0.
ISC VIII 16 19 14 46.9–1.4 34.3N–.10 137.03E–.09 350 21 0-43
JMA VIII 16 19 14 44.6–.14 34N–3.0 137E–2.0 369 3.2 **¶621030201**
IDC VIII 16 19 14 44.1–5.7 33.90N 137.15E 369–93 3.5,2.7b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=208.7km s-min=100.1km az=73.0.
ISC VIII 21 15 27 03.9–.73 34.72N–.06 137.89E–.05 273–6 3.4b 57 0-94
NIED VIII 21 15 27 03.7 34.69N 137.87E 274 3.7W **¶621024199**
JMA VIII 21 15 27 03.7–.13 34.7N–.70 137.9E–.60 274–1 3.7
IDC VIII 21 15 27 04.1–.53 34.76N 138.10E 273–7 3.6,3.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.04 $M_{\theta\theta}$0.74 $M_{\phi\phi}$-2.78 $M_{r\theta}$-0.69 $M_{\theta\phi}$0.53 $M_{\phi r}$-3.39 NP1:ϕ_s327.00000°,δ22.00000°,λ50.00000°. NP2:ϕ_s190.00000°,δ74.00000°,λ104.00000°. M_o4.27000×10^{14}
JMA Event type ke. SW SHIZUOKA PREF .
IDC Error ellipse: s-maj=23.7km s-min=8.1km az=66.0.
ISC IX 08 15 45 33.0–.85 34.51N–.09 137.67E–.07 299–6 3.5b 33 0-79
IDC IX 08 15 45 32.1–1.1 34.37N 137.76E 294–10 4.0,3.3b **¶621105783**
JMA IX 08 15 45 32.6–.28 35N–1.0 138E–1.0 302–2 3.0,3.3b
ISC Event type ke.
JMA Event type ke. ENSYUNADA .
ISC VIII 29 12 22 52.5–.87 33.36N–.09 137.71E–.08 352 2.9b 23 1-57
JMA VIII 29 12 22 50.6–.56 33N–3.0 138E–1.0 372–4 3.4 **¶621073175**
IDC VIII 29 12 22 52.3–.66 33.33N 137.74E 348–8 3.5,2.8b
ISC Event type ke.
JMA Event type ke. FAR S OFF SHIZUOKA PREF .
IDC Error ellipse: s-maj=19.3km s-min=11.4km az=69.0.
ISC IX 08 12 59 12.2–.90 35.17N–.05 139.97E–.05 86–6 4.2b 33 0-89
IDC IX 08 12 59 09.5–7.4 34.66N 139.53E 76–45 4.1,3.9b **¶621105779**
JMA IX 08 12 59 11.6–.14 35.2N–.50 140.0E–.60 89–1 3.0,3.9b
ISC Event type ke.
JMA Event type ke. SOUTHERN BOSO PENINSULA .
ISC IX 12 21 31 07.5–.71 34.81N–.03 139.88E–.03 50–6 4.0b 70 0-75
IDC IX 12 21 31 07.8–.47 34.85N 139.94E 49–6 3.8,3.4b **¶621109678**
NIED IX 12 21 31 07.7 34.85N 139.83E 52 4.1W,3.4b
JMA IX 12 21 31 07.7–.11 34.9N–.30 139.8E–.40 52–0 4.2,4.2
NEIC IX 12 21 31 08.1–1.4 34.82N–.04 139.95E–.05 57–7 4.2b,4.2
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.56 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.78 $M_{r\theta}$-0.15 $M_{\theta\phi}$-1.09 $M_{\phi r}$0.42 NP1:ϕ_s289.00000°,δ71.00000°,λ161.00000°. NP2:ϕ_s25.00000°,δ72.00000°,λ20.00000°. M_o1.64000×10^{15}
JMA Event type fe. SE OFF BOSO PENINSULA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 05 17 05 11.9–.95 35.95N–.06 139.53E–.07 124–7 3.4b 23 0-60
IDC X 05 17 05 10.6–1.9 35.96N 139.74E 118–15 3.6,3.2b **¶621203183**
NIED X 05 17 05 12.8 35.99N 139.54E 118 3.7W,3.2b
JMA X 05 17 05 12.8–.14 36.0N–.50 139.5E–.60 118–1 3.7,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.66 $M_{\theta\theta}$-3.88 $M_{\phi\phi}$0.22 $M_{r\theta}$-0.11 $M_{\theta\phi}$2.18 $M_{\phi r}$-1.52 NP1:ϕ_s271.00000°,δ47.00000°,λ56.00000°. NP2:ϕ_s136.00000°,δ53.00000°,λ121.00000°. M_o4.60000×10^{14}
JMA Event type fe. EASTERN SAITAMA PREF .
ISC X 02 19 02 35.1–.88 34.43N–.09 137.7E–.10 305–8 3.0b 28 0-70
JMA X 02 19 02 33.8–.43 34N–2.0 138E–1.0 314–3 2.7 **¶621186081**
IDC X 02 19 02 34.5–.83 34.37N 137.76E 302–13 3.6,2.9b
ISC Event type ke.
JMA Event type ke. ENSYUNADA .
IDC Error ellipse: s-maj=35.1km s-min=12.8km az=67.0.
JMA X 04 04 13 36.4–.15 35.4N–.40 139.0E–.40 21–1 0.4
¶626627270
JMA Event type ke. EASTERN YAMANASHI PREF .
ISC X 06 21 23 29.7–.69 33.19N–.09 137.96E–.08 341 3.7b 60 1-79
IDC X 06 21 23 29.4–.52 33.16N 137.93E 334–7 4.0,3.3b **¶621126653**
GFZ X 06 21 23 29.5–.56 33N–7.0 138E–5.0 338–4 5.3b,5.3
JMA X 06 21 23 29.0–.17 33N–1.0 138.0E–.70 338–1 3.4,5.3
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
ISC X 17 06 58 41.3–.80 33.39N–.08 137.67E–.07 352 3.4b 34 1-75
JMA X 17 06 58 39.1–.20 33N–2.0 138E–2.0 377 3.1 **¶621242873**
IDC X 17 06 58 41.7–.64 33.40N 137.70E 359–9 3.9,3.2b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=23.7km s-min=10.6km az=68.0.
JMA X 14 21 42 22.8–.09 35.5N–.20 139.0E–.30 20–0 3.6
NIED X 14 21 42 22.8 35.48N 139.04E 20 3.4W **¶621385096**
JMA Event type fe. EASTERN YAMANASHI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.57 $M_{\theta\theta}$0.10 $M_{\phi\phi}$-0.67 $M_{r\theta}$-0.42 $M_{\theta\phi}$-1.13 $M_{\phi r}$0.33 NP1:ϕ_s255.00000°,δ65.00000°,λ153.00000°. NP2:ϕ_s357.00000°,δ66.00000°,λ28.00000°. M_o1.39000×10^{14}
ISC XI 05 04 55 56.3–.33 33.78N–.03 137.48E–.03 345–2 4.8b 872 0-161
BJI XI 05 04 55 53.5 33.72N 137.53E 342 4.8b,4.4b **¶621361553**
JMA XI 05 04 55 54.5–.27 34N–1.0 138E–1.0 354–2 4.7,4.7W
NIED XI 05 04 55 54.5 33.77N 137.59E 354 4.7W,4.7W
MOS XI 05 04 55 54.9–.82 33.74N 137.46E 342 4.6b,4.7W
IDC XI 05 04 55 55.4–.47 33.73N 137.41E 336–4 4.9,4.2b
GFZ XI 05 04 55 56.3–.14 34N–2.0 137E–2.0 340 5.1b,4.8b
NEIC XI 05 04 55 56.4–1.8 33.79N–.07 137.50E–.08 341–5 4.9b,4.8b
ISC Event type ke.
JMA Event type ke. FAR S OFF SHIZUOKA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.94 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.08 $M_{r\theta}$0.39 $M_{\theta\phi}$0.31 $M_{\phi r}$-0.58 NP1:ϕ_s2.00000°,δ31.00000°,λ115.00000°. NP2:ϕ_s154.00000°,δ62.00000°,λ76.00000°. M_o1.26000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 31 15 51 43.4–1.1 33.4N–.10 137.9E–.10 300 2.9b 22 2-71
JMA X 31 15 51 43.5–.30 33N–3.0 138E–2.0 332 3.1 **¶621395257**
IDC X 31 15 51 44.4–1.2 33.53N 137.93E 321–17 3.5,2.9b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=44.3km s-min=16.8km az=69.0.
ISC XI 06 19 40 58.1–.82 35.99N–.04 139.90E–.04 50–7 4.3b,3.3s 77 0-148
NIED XI 06 19 40 58.7 36.05N 139.91E 44 3.9W,3.3s **¶635635391**
IDC XI 06 19 40 58.4–1.2 35.96N 139.70E 49–12 3.9,3.7L
JMA XI 06 19 40 58.7–.07 36.1N–.20 139.9E–.20 44–0 4.0,3.9
NEIC XI 06 19 40 59.3–1.4 36.01N–.05 139.86E–.08 59–7 4.5b,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.04 $M_{\theta\theta}$-4.74 $M_{\phi\phi}$-0.29 $M_{r\theta}$3.10 $M_{\theta\phi}$-2.32 $M_{\phi r}$4.11 NP1:ϕ_s267.00000°,δ28.00000°,λ126.00000°. NP2:ϕ_s47.00000°,δ68.00000°,λ72.00000°. M_o7.47000×10^{14}
JMA Event type fe. SW IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 19 33 29.1–.95 35.67N–.04 140.00E–.04 53–9 3.6b 27 0-59
JMA XI 09 19 33 28.9–.10 35.7N–.20 140.0E–.30 49–0 3.0 **¶635638643**
IDC XI 09 19 33 31.5–2.6 35.47N 139.79E 64–17 3.5,3.2b
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=43.9km s-min=7.3km az=67.0.
ISC XI 13 02 59 37.9–.85 34.94N–.03 139.65E–.02 34–2 3.8b 72 0-77
NIED XI 13 02 59 37.8 34.92N 139.64E 40 3.6W **¶621468578**
JMA XI 13 02 59 37.8–.08 34.9N–.20 139.6E–.20 40–0 3.4
NEIC XI 13 02 59 38.5–2.6 34.92N–.05 139.86E–.03 36–11 4.4b
IDC XI 13 02 59 39.1–1.1 34.88N 139.53E 48–11 3.6,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.21 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-1.17 $M_{r\theta}$2.00 $M_{\theta\phi}$-1.68 $M_{\phi r}$0.11 NP1:ϕ_s181.00000°,δ41.00000°,λ25.00000°. NP2:ϕ_s71.00000°,δ74.00000°,λ128.00000°. M_o2.87000×10^{14}
JMA Event type fe. SAGAMINADA .
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.1km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.4km s-min=5.0km az=70.0.
ISC XI 23 19 51 48.5–.98 34.2N–.10 137.4E–.10 347 2.7b 24 0-54
JMA XI 23 19 51 46.7–.51 34N–2.0 137E–1.0 364–4 3.2 **¶621611975**
IDC XI 23 19 51 47.4–1.4 33.94N 137.41E 324–31 3.3,2.7b
ISC Event type ke.
JMA Event type ke. ENSYUNADA .
IDC Error ellipse: s-maj=52.3km s-min=27.6km az=43.0.
ISC XI 14 02 39 13.6–.65 34.58N–.05 138.63E–.06 209–5 3.7b 58 0-93
NIED XI 14 02 39 12.8 34.56N 138.65E 211 3.8W **¶621468635**
JMA XI 14 02 39 12.8–.14 34.6N–.60 138.7E–.60 211–1 3.8
IDC XI 14 02 39 13.8–.44 34.54N 138.60E 211–5 4.0,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.63 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$0.75 $M_{r\theta}$-2.21 $M_{\theta\phi}$-0.03 $M_{\phi r}$-4.94 NP1:ϕ_s156.00000°,δ5.00000°,λ-138.00000°. NP2:ϕ_s24.00000°

,δ87.00000°,λ-86.00000°. $M_0$5.45000×10^{14}
JMA Event type ke. S OF SURUGA BAY .
IDC Error ellipse: s-maj=18.5km s-min=6.8km az=66.0.
ISC XI 23 07 37 18.4–.97 34.0N–.10 137.2E–.10 355–8 2.8b 14 0-57
IDC XI 23 07 37 18.7–1.6 34.04N 137.57E 361–20 3.3,2.6b **¶621611945**
JMA XI 23 07 37 18.4–.54 34N–2.0 137E–2.0 353–4 2.8,2.6b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
ISC XI 16 17 54 45.6–.77 35.42N–.03 139.17E–.04 26–5 4.2b,3.4s 72 0-93
NEIC XI 16 17 54 44.4–2.3 35.43N–.03 139.17E–.03 10–1 4.4b,3.4s **¶621412426**
NIED XI 16 17 54 45.9 35.43N 139.15E 23 4.2W,3.4s
JMA XI 16 17 54 45.9–.09 35.4N–.20 139.2E–.20 23–0 4.4,4.2
IDC XI 16 17 54 48.3–.76 35.35N 139.01E 56–9 3.8,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.14 $M_{\theta\theta}$0.09 $M_{\phi\phi}$0.05 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.91 $M_{\theta r}$1.74 NP1:ϕ_s272.00000°,δ27.00000°,λ-175.00000°. NP2:ϕ_s177.00000°,δ88.00000°,λ-63.00000°. $M_0$1.97000×10^{15}
JMA Event type fe. KANAGAWA PREF .
IDC Error ellipse: s-maj=22.9km s-min=5.3km az=70.0.
ISC XI 19 23 57 22.3–.43 35.75N–.03 139.54E–.04 101–3 4.6b 375 0-149
MOS XI 19 23 57 21.1–1.1 35.69N 139.56E 107 4.7b **¶621423322**
BJI XI 19 23 57 22.0 35.80N 139.50E 100 5.1b,4.7b
GFZ XI 19 23 57 22.2–.36 36N–3.0 140E–4.0 104–3 5.6b,5.1
IDC XI 19 23 57 23.0–.36 35.65N 139.32E 103–3 4.5,4.2b
NEIC XI 19 23 57 23.5–1.7 35.80N–.05 139.52E–.05 109–5 4.6b,4.2b
JMA XI 19 23 57 23.3–.14 35.7N–.50 139.5E–.60 99–1 4.6,4.5W
NIED XI 19 23 57 23.3 35.73N 139.53E 99 4.5W,4.5W
ISC Event type ke.
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=118.4.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=9.7km s-min=4.8km az=53.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.7km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. TOKYO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.78 $M_{\theta\theta}$4.35 $M_{\phi\phi}$-3.57 $M_{r\theta}$-3.25 $M_{\theta\phi}$-4.93 $M_{\phi r}$-0.56 NP1:ϕ_s341.00000°,δ63.00000°,λ-1.00000°. NP2:ϕ_s72.00000°,δ89.00000°,λ-153.00000°. $M_0$7.11000×10^{15}
ISC XI 21 08 11 39.7–.94 33.86N–.10 137.22E–.07 348–7 3.4b 34 1-70
IDC XI 21 08 11 39.4–.95 33.78N 137.31E 343–12 4.0,3.3b **¶621608904**
JMA XI 21 08 11 39.1–.38 34N–2.0 137E–1.0 358–3 3.0,3.3b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
JMA XI 27 19 31 37.8–.06 34.8N–.20 137.8E–.10 19–0 1.0
¶635859823
JMA Event type ke. SW SHIZUOKA PREF .
ISC XII 01 04 56 33.1–.67 33.79N–.07 137.15E–.08 365–7 3.8b 54 0-57
JMA XII 01 04 56 31.3–.11 34N–2.0 137E–2.0 380 3.1 **¶621629789**
NEIC XII 01 04 56 33.7–1.5 33.77N–.09 137.10E–.07 363–8 4.0b
IDC XII 01 04 56 33.1–1.2 33.65N 137.10E 354–25 3.9,3.1b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=7.6km az=164.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.6km s-min=18.2km az=60.0.
ISC XI 29 11 22 33.4–.58 33.53N–.06 137.23E–.06 382–5 4.0b 106 0-123
IDC XI 29 11 22 33.3–.56 33.51N 137.25E 377–7 4.1,3.3b **¶621494327**
NEIC XI 29 11 22 33.5–1.1 33.52N–.08 137.2E–.10 383–4 4.1b,3.3b
NIED XI 29 11 22 33.6 33.49N 137.20E 379 4.0W,3.3b
JMA XI 29 11 22 33.6–.21 33.5N–1.0 137E–1.0 379–2 3.8,3.3b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.70 $M_{\theta\theta}$0.18 $M_{\phi\phi}$-0.87 $M_{r\theta}$-0.68 $M_{\theta\phi}$-0.11 $M_{\phi r}$-0.19 NP1:ϕ_s339.00000°,δ43.00000°,λ40.00000°. NP2:ϕ_s218.00000°,δ64.00000°,λ126.00000°. $M_0$1.05000×10^{15}
JMA Event type ke. SE OFF KII PENINSULA .
ISC XI 30 08 58 08.5–.99 35.66N–.05 139.92E–.05 66–9 3.7b 27 0-56
JMA XI 30 08 58 08.6–.13 35.7N–.30 139.9E–.40 62–1 3.5 **¶621615782**
NIED XI 30 08 58 08.6 35.71N 139.92E 62 3.7W
IDC XI 30 08 58 10.6–2.2 35.16N 138.41E 35–21 4.1L,3.9
ISC Event type ke.
JMA Event type fe. TOKYO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.77 $M_{\theta\theta}$2.29 $M_{\phi\phi}$-1.52 $M_{r\theta}$0.98 $M_{\theta\phi}$1.15 $M_{\phi r}$2.26 NP1:ϕ_s114.00000°,δ42.00000°,λ-13.00000°. NP2:ϕ_s214.00000°,δ81.00000°,λ-132.00000°. $M_0$3.39000×10^{14}
IDC Error ellipse: s-maj=38.5km s-min=12.6km az=66.0.
ISC XII 04 09 57 23.2–.99 35.14N–.04 139.94E–.05 83–6 3.7b 37 0-59
IDC XII 04 09 57 17.7–1.6 34.45N 138.64E 0 3.6b,3.5 **¶621630660**
JMA XII 04 09 57 22.6–.13 35.2N–.50 139.9E–.60 86–1 3.3,3.5
ISC Event type ke.
JMA Event type fe. SOUTHERN BOSO PENINSULA .
ISC XII 02 17 17 58.4–.76 35.52N–.02 139.01E–.03 26–5 4.3b,2.9s 109 0-125
JMA XII 02 17 17 58.6–.09 35.5N–.20 139.0E–.30 21–0 4.2,4.1 **¶621611295**
NIED XII 02 17 17 58.6 35.53N 138.98E 21 4.0W,4.1
IDC XII 02 17 17 59.9–1.1 35.48N 138.90E 40–10 3.8,3.6b
NEIC XII 02 17 17 59.0–1.9 35.55N–.03 139.03E–.06 27–4 4.5b,3.6b
ISC Event type ke.
JMA Event type fe. EASTERN YAMANASHI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.40 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$0.17 $M_{r\theta}$0.17 $M_{\theta\phi}$-0.74 $M_{\phi r}$0.76 NP1:ϕ_s277.00000°,δ44.00000°,λ161.00000°. NP2:ϕ_s21.00000°,δ77.00000°,λ48.00000°. $M_0$1.19000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 07 09 14.0–.77 34.07N–.08 137.36E–.07 337–6 3.1b 47 1-95
JMA XII 12 07 09 12.4–.40 34N–2.0 137E–1.0 352–3 3.4 **¶621650482**
IDC XII 12 07 09 13.5–.71 34.00N 137.23E 329–7 3.7,3.0b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=15.7km s-min=11.1km az=71.0.
ISC XII 16 08 02 44.8–.92 35.76N–.04 139.96E–.04 47–9 4.2b 54 1-84
IDC XII 16 08 02 36.5–2.0 35.50N 140.10E 0 3.8,3.7b **¶621631476**
JMA XII 16 08 02 45.0–.08 35.8N–.20 139.9E–.30 51–0 3.5,3.7b
NIED XII 16 08 02 45.0 35.82N 139.93E 51 3.7W,3.7b
NEIC XII 16 08 02 45.6–1.1 35.73N–.06 139.93E–.05 57–11 4.2b,3.7b
ISC Event type ke.
JMA Event type fe. NORTHERN CHIBA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.75 $M_{\theta\theta}$1.89 $M_{\phi\phi}$-3.63 $M_{r\theta}$1.59 $M_{\theta\phi}$1.64 $M_{\phi r}$2.23 NP1:ϕ_s127.00000°,δ47.00000°,λ22.00000°. NP2:ϕ_s21.00000°,δ74.00000°,λ134.00000°. $M_0$4.48000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 19 19 26 32.4–1.0 33.1N–.10 137.90E–.08 341 3.1b 25 2-53
JMA XII 19 19 26 30.5–.28 33N–3.0 138E–2.0 371 2.9 **¶621657093**
IDC XII 19 19 26 32.8–1.7 33.11N 137.98E 348–16 3.8,3.0b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=22.6km s-min=19.5km az=93.0.
ISC XII 29 02 33 04.6–1.4 35.67N–.04 139.70E–.07 25–10 4.3b 35 0-58
JMA XII 29 02 33 05.5–.10 35.7N–.30 139.6E–.30 31–1 3.5 **¶621656489**
NEIC XII 29 02 33 06.0–1.8 35.66N–.05 139.74E–.09 38–10 4.2b
NIED XII 29 02 33 05.5 35.70N 139.62E 31 3.6W
ISC Event type ke.
JMA Event type fe. TOKYO PREF .
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.1km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.17 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$-1.04 $M_{r\theta}$1.27 $M_{\theta\phi}$-0.78 $M_{\phi r}$1.08 NP1:ϕ_s226.00000°,δ25.00000°,λ87.00000°. NP2:ϕ_s48.00000°,δ65.00000°,λ91.00000°. $M_0$2.62000×10^{14}

SEISMIC REGION 20.
Southwestern Japan and Ryukyu Islands.

(231) South Korea.

ISC XII 14 08 19 15.0–.38 33.06N–.03 126.14E–.03 10 4.5s,4.4b 212 0-89
NIED XII 14 08 19 13.7 33.01N 126.05E 35 4.9W,4.4b **¶621629156**
JMA XII 14 08 19 13.7–.46 33N–1.0 126E–2.0 35 5.7,5.1
IDC XII 14 08 19 13.2–.52 33.07N 126.15E 0 4.3s,4.2b
BJI XII 14 08 19 13.7 33.03N 126.10E 9 5.4L,5.0s
MOS XII 14 08 19 13.0–1.1 33.05N 126.08E 11 4.5b,5.0s
KMA XII 14 08 19 14.7–.25 33.09N 126.16E 17–0 4.5b,5.0s
EVBIB XII 14 08 19 14 33.093N–.00 126.156E–.00 11–0 4.7W,5.0s
GFZ XII 14 08 19 15.1–.25 33N–3.0 126E–4.0 10 5.7,5.5L
NEIC XII 14 08 19 15.8–2.3 33.07N–.06 126.01E–.08 10–1 4.6b,5.5L
KEA XII 14 08 19 19.1 33.32N 125.96E 18 5.6L,5.5L
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.02 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-0.08 $M_{r\theta}$-1.52 $M_{\theta\phi}$1.86 $M_{\phi r}$-0.35 NP1:ϕ_s178.00000°,δ52.00000°,λ176.00000°. NP2:ϕ_s271.00000°,δ87.00000°,λ39.00000°. $M_0$2.41000×10^{16}
JMA Event type fe. S KOREAN PENINSULA REG .
IDC Error ellipse: s-maj=10.1km s-min=9.4km az=92.0.
MOS Error ellipse: s-maj=9.1km s-min=5.6km az=93.1.
KMA Error ellipse: s-maj=2.4km s-min=1.8km az=35.0.
EVBIB 3D velocity model. Song JH et al. 2022. Moment Tensor Solutions for Earthquakes in the Southern Korean Peninsula Using Three-Dimensional Seismic Waveform Simulations, Front. Earth Sci.,Sec. Solid Earth Geophysics. https://doi.org/10.3389/feart.2022.945022 (05 July 2022). Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.10±.02 $M_{\theta\theta}$0.31±.03; $M_{\phi\phi}$-0.21±.03; $M_{r\theta}$0.03±.02; $M_{\theta\phi}$1.60±.03; $M_{\phi r}$-0.17±.06;
GFZ Error ellipse: s-maj=8.6km s-min=5.7km az=119.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.8km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 16 16 39 11.1–1.3 35.66N–.04 129.79E–.05 18–5 37 0-2
KMA XI 16 16 39 11.4–.22 35.66N 129.75E 19–1 **¶625561662**
JMA XI 16 16 39 11.3–.20 35.7N–.80 129.8E–.50 30 3.0
ISC Event type ke.
JMA Event type ke. S KOREAN PENINSULA REG .
ISC XII 16 21 22 09.0–1.5 33.12N–.07 126.14E–.05 10 25 0-3
JMA XII 16 21 22 02.0–.48 33N–2.0 126E–2.0 0 4.0 **¶625561913**
KMA XII 16 21 22 10.1–.26 33.12N 126.18E 18–1 4.0
ISC Event type ke.
JMA Event type ke. EAST CHINA SEA REGION .
KMA Error ellipse: s-maj=2.4km s-min=2.0km az=175.0.

(232) Western Honshu.

ISC VII 07 01 12 56.6–.75 34.07N–.09 136.69E–.06 370–6 3.4b 41 0-82
JMA VII 07 01 12 55.5–.31 34N–2.0 137E–1.0 374–2 3.6 **¶620928073**
IDC VII 07 01 12 56.5–.82 34.01N 136.62E 367–7 3.9,3.1b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=17.6km s-min=12.6km az=5.0.
ISC VII 07 17 39 05.6–1.3 34.06N–.03 132.91E–.03 26–12 3.3b 29 0-57
IDC VII 07 17 39 01.4–1.0 33.93N 133.09E 0 3.3b,3.3 **¶620928133**
JMA VII 07 17 39 06.1–.04 34.1N–.10 132.9E–.10 43–0 3.9,3.9
NIED VII 07 17 39 06.1 34.08N 132.90E 43 3.8W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=14.3km az=158.0.
JMA Event type fe. NE EHIME PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.06 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$3.02 $M_{r\theta}$1.69 $M_{\theta\phi}$-3.46 $M_{\phi r}$1.03 NP1:ϕ_s292.00000°,δ64.00000°,λ-151.00000°. NP2:ϕ_s188.00000°,δ64.00000°,λ-30.00000°. $M_0$4.78000×10^{14}
ISC VII 10 03 44 31.9–.80 35.80N–.07 136.47E–.07 300 3.2b 29 0-94
JMA VII 10 03 44 32.0–.19 35.8N–.90 136.5E–.90 311–1 3.1 **¶620928320**
IDC VII 10 03 44 33.3–2.8 36.13N 136.54E 306–17 3.5,3.0b
ISC Event type ke.
JMA Event type ke. SW GIFU PREF .
IDC Error ellipse: s-maj=105.2km s-min=19.1km az=0.0.
ISC VII 11 02 47 56.7–.99 34.40N–.08 136.78E–.06 359–8 28 0-58
JMA VII 11 02 47 55.7–.40 34N–2.0 137E–2.0 364–3 3.0 **¶620928396**
IDC VII 11 02 47 56.1–1.0 34.79N 137.28E 393–19 3.5,2.6b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=49.6km s-min=17.2km az=58.0.
JMA VII 12 13 25 34.8–.06 35.2N–.20 137.0E–.20 44–0 0.4
¶626327438
JMA Event type ke. CENTRAL AICHI PREF .
ISC VII 15 13 39 42.4–.77 35.97N–.09 135.47E–.08 350 2.8b 26 0-67
JMA VII 15 13 39 42.3–.25 36N–1.0 135E–1.0 359–2 3.3 **¶620928645**
IDC VII 15 13 39 42.7–1.1 35.93N 135.56E 359–12 3.5,2.7b
ISC Event type ke.
JMA Event type ke. NW OFF KINKI DISTRICT .
IDC Error ellipse: s-maj=19.3km s-min=16.5km az=93.0.
ISC VII 26 03 23 06.1–.48 34.40N–.04 136.63E–.04 367–4 4.1b 275 0-151
JMA VII 26 03 23 05.9–.20 34N–1.0 136.7E–.90 372–1 4.2 **¶620846037**
NIED VII 26 03 23 05.9 34.41N 136.65E 372 4.6W
GFZ VII 26 03 23 06.3–.24 34N–3.0 137E–4.0 372–2 4.6b,4.6
IDC VII 26 03 23 06.2–.46 34.39N 136.64E 364–4 4.3,3.4b
NEIC VII 26 03 23 06.5–1.6 34.37N–.05 136.69E–.08 368–5 4.2b,3.4b
ISC Event type ke.
JMA Event type fe. SHIMA PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.19 $M_{\theta\theta}$8.93 $M_{\phi\phi}$-8.74 $M_{r\theta}$-2.19 $M_{\theta\phi}$2.30 $M_{\phi r}$-1.54 NP1:ϕ_s308.00000°,δ75.00000°,λ4.00000°. NP2:ϕ_s217.00000°,δ86.00000°,λ165.00000°. $M_0$9.50000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 27 05 37 50.5–.31 34.55N–.03 136.67E–.03 353–2 4.7b 741 0-159
BGR VII 27 05 37 07.8 33.60N 138.98E 33 5.3b **¶620847120**
JMA VII 27 05 37 50.0–.22 35N–1.0 136.7E–.90 359–1 4.9,4.9W
NIED VII 27 05 37 50.0 34.60N 136.68E 359 4.8W,4.9W
MOS VII 27 05 37 49.4–.79 34.55N 136.68E 355 4.9b,4.9W
GFZ VII 27 05 37 50.7 34.54N 136.69E 357 4.8W,4.9W
GFZ VII 27 05 37 50.7–.20 35N–3.0 137E–3.0 353–3 5.1b,4.9
IDC VII 27 05 37 50.4–.43 34.52N 136.66E 350–3 5.0,4.3b
NEIC VII 27 05 37 51.1–1.3 34.56N–.06 136.62E–.06 354–4 4.4b,4.3b
ISC Event type ke.
BGR Event type ke.
JMA Event type fe. ISE BAY REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.05 $M_{\theta\theta}$1.55 $M_{\phi\phi}$-1.60 $M_{r\theta}$-0.91 $M_{\theta\phi}$0.03 $M_{\phi r}$-1.06 NP1:ϕ_s314.00000°,δ48.00000°,λ0.00000°. NP2:ϕ_s224.00000°,δ90.00000°,λ138.00000°. $M_0$2.10000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}0.56 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-0.89 $M_{r\theta}$-0.96 $M_{\theta\phi}$-0.30 $M_{\phi r}$-1.23 NP1: ϕ_s217.22688°,δ78.98237°,λ106.48802°. NP2:ϕ_s340.07625°,δ19.74501°,λ34.45051°.
Principal axes: T 1.6595,Plg53.1940°,Azm146.7980°; N 0.2043,Plg16.1757°,Azm33.9893°; P -1.8638,Plg32.0323°,Azm293.5333° $M_0$1.77054×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 26 04 28 08.4–.93 35.24N–.09 135.98E–.09 350 17 0-55

IDC VII 26 04 28 08.8–1.4 35.14N 135.94E 342–23 3.5,2.8b ¶626159932
JMA VII 26 04 28 09.2–.25 35N–1.0 136E–1.0 341–2 3.2,2.8b
ISC Event type ke.
JMA Event type ke. NW SHIGA PREF .
ISC VIII 02 00 37 26.4–.86 35.03N–.03 133.02E–.03 11–5 4.1b,3.0s 70 0-73
IDC VIII 02 00 37 24.8–.73 34.96N 133.09E 0 3.8,3.7b ¶620993190
NIED VIII 02 00 37 26.2 35.06N 133.05E 6 4.0W,3.7b
JMA VIII 02 00 37 26.2–.02 35.06N–.08 133.1E–.10 6–0 4.4,4.3
NEIC VIII 02 00 37 27.7–1.4 35.05N–.07 133.05E–.09 21–4 4.4b,4.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.02 $M_{\theta\theta}$0.72 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.14 $M_{\theta\phi}$-0.60 $M_{\phi r}$0.38 NP1:ϕ_s245.00000°,δ67.00000°,λ-179.00000°. NP2:ϕ_s155.00000°,δ89.00000°,λ-23.00000°. M_o1.03000×10^{15}
JMA Event type fe. SHIMANE HIROSHIMA BORDER.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 17 36 31.8–.80 35.43N–.09 135.68E–.07 350 3.2b 30 0-95
IDC VIII 02 17 36 31.9–1.5 35.47N 135.78E 350–12 3.8,3.0b ¶620993254
JMA VIII 02 17 36 31.6–.14 35.5N–.80 135.6E–.60 355–1 3.3,3.0b
ISC Event type ke.
JMA Event type ke. WESTERN FUKUI PREF .
JMA VIII 02 15 10 45.0–.06 34.7N–.20 136.6E–.20 16–0 0.8
¶626287832
JMA Event type ke. ISE BAY REGION .
ISC VIII 15 20 03 13.9–.88 35.42N–.03 136.36E–.02 14–6 4.2b,3.6s 110 0-94
IDC VIII 15 20 03 11.3–.51 35.35N 136.41E 0 3.9L,3.9b ¶620987282
NIED VIII 15 20 03 13.6 35.45N 136.33E 13 4.3W,3.9b
NEIC VIII 15 20 03 13.7–2.1 35.45N–.05 136.36E–.05 10–1 4.3b,3.9b
JMA VIII 15 20 03 13.6–.02 35.45N–.06 136.33E–.08 13–0 4.7,4.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.25 $M_{\theta\theta}$3.11 $M_{\phi\phi}$-3.37 $M_{r\theta}$-0.91 $M_{\theta\phi}$0.15 $M_{\phi r}$0.44 NP1:ϕ_s223.00000°,δ73.00000°,λ174.00000°. NP2:ϕ_s315.00000°,δ84.00000°,λ17.00000°. M_o3.40000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SHIGA GIFU BORDER REGION.
JMA VIII 03 20 44 25.4–.02 35.06N–.09 133.1E–.10 7–0 1.0
¶626288866
JMA Event type ke. SHIMANE HIROSHIMA BORDER.
ISC VIII 24 10 20 19.8–.40 35.78N–.04 135.51E–.04 360–4 4.2b 309 0-126
NIED VIII 24 10 20 19.9 35.80N 135.56E 359 4.3W ¶621001934
IDC VIII 24 10 20 19.7–.47 35.73N 135.52E 361–4 4.2,3.5b
JMA VIII 24 10 20 19.9–.15 35.8N–.80 135.6E–.70 359–1 4.2,3.5b
NEIC VIII 24 10 20 20.3–1.2 35.80N–.08 135.51E–.08 358–5 4.2b,3.5b
GFZ VIII 24 10 20 20.2–.17 36N–3.0 136E–4.0 357 4.3b,4.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.32 $M_{\theta\theta}$1.26 $M_{\phi\phi}$0.06 $M_{r\theta}$2.19 $M_{\theta\phi}$-1.06 $M_{\phi r}$-1.86 NP1:ϕ_s103.00000°,δ16.00000°,λ-116.00000°. NP2:ϕ_s310.00000°,δ76.00000°,λ-83.00000°. M_o3.29000×10^{15}
JMA Event type ke. W PART OF WAKASA BAY .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 15 23 17 46.0–.91 35.43N–.03 136.32E–.03 17–6 3.7b 41 0-86
NIED VIII 15 23 17 45.9 35.46N 136.33E 13 4.1W ¶621023674
JMA VIII 15 23 17 45.9–.02 35.46N–.06 136.33E–.08 13–0 4.6,4.4
IDC VIII 15 23 17 49.2–1.1 35.33N 136.35E 46–13 3.8,3.7L
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.16 $M_{\theta\theta}$1.28 $M_{\phi\phi}$-1.44 $M_{r\theta}$-0.49 $M_{\theta\phi}$0.05 $M_{\phi r}$0.19 NP1:ϕ_s222.00000°,δ70.00000°,λ170.00000°. NP2:ϕ_s316.00000°,δ81.00000°,λ20.00000°. M_o1.47000×10^{15}
JMA Event type fe. SHIGA GIFU BORDER REGION.
IDC Error ellipse: s-maj=11.9km s-min=9.8km az=119.0.
ISC VIII 17 16 31 02.6–.86 35.04N–.03 133.07E–.03 6–5 4.3b,3.0s 66 0-68
NIED VIII 17 16 31 02.0 35.06N 133.04E 6 4.0W,3.0s ¶621024194
JMA VIII 17 16 31 02.0–.02 35.06N–.08 133.0E–.10 6–0 4.3,4.2
IDC VIII 17 16 31 01.4–.67 35.02N 133.07E 0 3.9,3.8b
NEIC VIII 17 16 31 03.8–1.8 34.97N–.04 133.06E–.07 10–1 4.5b,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.28 $M_{\theta\theta}$1.27 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.41 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.20 NP1:ϕ_s234.00000°,δ73.00000°,λ177.00000°. NP2:ϕ_s325.00000°,δ87.00000°,λ17.00000°. M_o1.27000×10^{15}
JMA Event type fe. SHIMANE HIROSHIMA BORDER.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA VIII 23 12 11 39.8–.04 35.6N–.20 134.6E–.10 7–0 3.5
NIED VIII 23 12 11 39.8 35.64N 134.57E 7 3.6W ¶626303327
JMA Event type fe. NORTHERN HYOGO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.21 $M_{\theta\theta}$1.81 $M_{\phi\phi}$-2.02 $M_{r\theta}$0.15 $M_{\theta\phi}$-1.61 $M_{\phi r}$1.46 NP1:ϕ_s248.00000°,δ66.00000°,λ-171.00000°. NP2:ϕ_s154.00000°,δ82.00000°,λ-24.00000°. M_o2.83000×10^{14}
JMA VIII 24 05 40 30.7–.02 35.06N–.08 133.04E–.09 6–0 1.1
¶626303798
JMA Event type ke. SHIMANE HIROSHIMA BORDER.
JMA X 15 07 53 28.6–.08 34.8N–.20 136.1E–.20 56–0 3.6
NIED X 15 07 53 28.6 34.77N 136.10E 56 3.6W ¶621385097
JMA Event type fe. NORTHERN MIE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.15 $M_{\theta\theta}$1.67 $M_{\phi\phi}$-2.82 $M_{r\theta}$-1.07 $M_{\theta\phi}$-1.47 $M_{\phi r}$-0.27 NP1:ϕ_s335.00000°,δ62.00000°,λ19.00000°. NP2:ϕ_s236.00000°,δ73.00000°,λ151.00000°. M_o3.02000×10^{14}
ISC IX 06 04 22 01.8–.85 35.37N–.09 135.33E–.09 350 3.5b 19 1-68
JMA IX 06 04 22 02.0–.14 35.4N–.90 135.4E–.60 367–1 2.7 ¶621094227
IDC IX 06 04 22 02.1–2.2 35.31N 135.39E 379–26 4.0,3.2b
ISC Event type ke.
JMA Event type ke. NORTHERN KYOTO PREF .
IDC Error ellipse: s-maj=39.6km s-min=19.1km az=81.0.
JMA X 11 23 13 10.2–.07 35.7N–.20 136.3E–.20 9–1 0.3
¶626632848
JMA Event type ke. SHIGA GIFU BORDER REGION.
ISC XI 04 02 24 19.1–.93 34.72N–.09 136.96E–.06 340–7 3.2b 39 0-58
IDC XI 04 02 24 17.8–.93 34.48N 136.98E 313–15 3.6,3.1b ¶635632255
JMA XI 04 02 24 17.7–.27 35N–1.0 137E–1.0 351–2 3.1,3.1b
ISC Event type ke.
JMA Event type ke. MIKAWA BAY REGION .
ISC X 16 12 48 32.7–1.2 35.06N–.04 135.62E–.04 16–9 3.5b 24 0-82
IDC X 16 12 48 30.6–.79 34.89N 135.73E 0 3.5b,3.5 ¶621242122
NIED X 16 12 48 32.7 35.07N 135.62E 12 3.7W,3.5
JMA X 16 12 48 32.7–.03 35.07N–.07 135.62E–.08 12–0 3.9,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.77 $M_{\theta\theta}$1.16 $M_{\phi\phi}$-3.93 $M_{r\theta}$-1.44 $M_{\theta\phi}$0.25 $M_{\phi r}$-0.00 NP1:ϕ_s204.00000°,δ52.00000°,λ130.00000°. NP2:ϕ_s330.00000°,δ53.00000°,λ51.00000°. M_o3.78000×10^{14}
JMA Event type fe. MID KYOTO PREF .
JMA X 24 05 13 57.7–.18 34.3N–.30 132.0E–.40 14–1 -0.1
¶626641299
JMA Event type ke. YAMAGUCHI PREF .
ISC X 26 14 24 23.4–.79 34.53N–.07 136.74E–.05 344–6 3.1b 43 0-58
IDC X 26 14 24 23.8–.85 34.51N 136.81E 346–10 3.6,2.9b ¶621366477
JMA X 26 14 24 23.4–.24 35N–1.0 137E–1.0 348–2 3.2,2.9b
ISC Event type ke.
JMA Event type ke. ISE BAY REGION .
ISC XII 01 17 49 13.2–1.1 34.1N–.10 136.6E–.10 350 2.9b 13 2-57
IDC XII 01 17 49 13.8–1.4 34.16N 136.69E 371–24 3.6,2.8b ¶621629839
JMA XII 01 17 49 14.8–.39 34N–1.0 137E–1.0 361–3 2.9,2.8b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
JMA XI 06 20 41 48.4–.03 35.9N–.10 136.9E–.10 11–0 0.9
¶635635460
JMA Event type ke. FUKUI GIFU BORDER REGION.
ISC XII 11 07 59 45.3–1.1 35.22N–.03 135.22E–.03 7–8 3.7b 29 0-74
IDC XII 11 07 59 45.5–.79 35.34N 135.03E 0 4.0s,3.6b ¶621644176
JMA XII 11 07 59 45.7–.03 35.21N–.08 135.2E–.10 15–0 3.7,3.6b
NIED XII 11 07 59 45.7 35.21N 135.17E 15 3.6W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=9.1km az=156.0.
JMA Event type fe. MID KYOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.79 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-2.71 $M_{r\theta}$0.87 $M_{\theta\phi}$1.14 $M_{\phi r}$0.89 NP1:ϕ_s132.00000°,δ49.00000°,λ38.00000°. NP2:ϕ_s15.00000°,δ62.00000°,λ132.00000°. M_o2.90000×10^{14}
ISC XII 28 19 23 09.7–1.2 35.10N–.04 135.63E–.04 14–15 16 0-3
JMA XII 28 19 23 10.7–.03 35.07N–.07 135.61E–.08 12–0 2.8 ¶635673815
ISC Event type ke.
JMA Event type fe. MID KYOTO PREF .

(233) Near south coast of western Honshu.

JMA VII 09 10 07 31.6–.04 34.0N–.10 135.3E–.20 6–0 0.2
¶626144384
JMA Event type ke. NW WAKAYAMA PREF .
ISC VII 09 14 43 20.8–1.0 33.7N–.10 137.0E–.10 350 3.0b 19 1-57
JMA VII 09 14 43 21.6–.35 34N–2.0 137E–1.0 357–3 2.7 ¶620928268
IDC VII 09 14 43 21.2–1.3 33.79N 137.00E 364–18 3.6,3.0b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=26.0km s-min=19.3km az=65.0.
ISC VII 16 17 49 53.1–1.8 33.6N–.10 136.9E–.10 450 2.9b 15 1-57
JMA VII 16 17 49 51.9–.18 33N–2.0 137E–2.0 440 2.5 ¶626151766
IDC VII 16 17 49 57.4–1.1 33.66N 137.24E 432–46 3.3,2.5b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=117.3km s-min=17.7km az=65.0.
JMA VIII 05 05 22 26.3–.14 33.5N–.40 135.6E–.30 23–0 0.6
¶626291015
JMA Event type ke. SOUTHERN WAKAYAMA PREF .
ISC VII 29 10 05 17.2–.84 33.8N–.10 135.87E–.08 408–7 3.2b 29 0-75
IDC VII 29 10 05 17.7–.80 33.78N 135.89E 416–9 3.7,2.9b ¶620984092
JMA VII 29 10 05 17.2–.21 34N–1.0 136.0E–.90 406–1 2.8,2.9b
ISC Event type ke.
JMA Event type ke. SOUTHERN MIE PREF .
ISC VII 29 18 26 04.4–1.2 34.93N–.03 135.59E–.03 4–9 28 0-41
IDC VII 29 18 26 03.3–.95 34.78N 135.60E 0 3.6,3.5b ¶620984131
JMA VII 29 18 26 04.4–.03 34.98N–.07 135.58E–.09 8–0 3.7,3.6
ISC Event type ke.
JMA Event type fe. KYOTO OSAKA BORDER REG .
JMA VIII 05 05 22 32.4–.06 33.8N–.20 135.1E–.20 45–0 2.2
¶626291018
JMA Event type ke. S PART OF KII CHANNEL .
ISC VIII 31 17 55 12.6–.77 33.80N–.05 135.29E–.03 36–2 4.0b 72 0-81
IDC VIII 31 17 55 07.9–.81 33.79N 135.34E 0 4.0L,3.9b ¶621012254
NIED VIII 31 17 55 12.8 33.81N 135.36E 46 3.9W,3.9b
NEIC VIII 31 17 55 12.5–.94 33.82N–.07 135.30E–.05 34–7 4.0b,3.9b
JMA VIII 31 17 55 12.8–.06 33.8N–.20 135.4E–.20 46–0 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.09 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$0.55 $M_{r\theta}$0.71 $M_{\theta\phi}$-7.62 $M_{\phi r}$-4.33 NP1:ϕ_s91.00000°,δ61.00000°,λ176.00000°. NP2:ϕ_s183.00000°,δ86.00000°,λ29.00000°. M_o8.79000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. CENTRAL WAKAYAMA PREF .
ISC VIII 31 20 39 56.0–.74 34.22N–.03 135.34E–.03 10 22 0-54
IDC VIII 31 20 39 54.6–.89 34.14N 135.34E 0 3.5b,3.4 ¶621024216
NIED VIII 31 20 39 55.0 34.22N 135.31E 6 3.4W,3.4
JMA VIII 31 20 39 55.0–.03 34.2N–.10 135.3E–.20 6–0 3.7,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.34 $M_{\theta\theta}$1.09 $M_{\phi\phi}$-1.43 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.31 $M_{\phi r}$-0.01 NP1:ϕ_s308.00000°,δ89.00000°,λ1.00000°. NP2:ϕ_s218.00000°,δ89.00000°,λ179.00000°. M_o1.30000×10^{14}
JMA Event type fe. NW WAKAYAMA PREF .
JMA IX 11 02 52 27.3–.07 34.0N–.20 134.2E–.20 44–0 3.6
NIED IX 11 02 52 27.3 34.03N 134.15E 44 3.5W ¶621146463
JMA Event type fe. TOKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.43 $M_{\theta\theta}$-1.89 $M_{\phi\phi}$1.46 $M_{r\theta}$0.17 $M_{\theta\phi}$0.53 $M_{\phi r}$0.28 NP1:ϕ_s323.00000°,δ78.00000°,λ172.00000°. NP2:ϕ_s55.00000°,δ82.00000°,λ12.00000°. M_o1.80000×10^{14}
ISC IX 29 16 55 35.7–.81 34.94N–.09 135.58E–.08 375 2.9b 22 1-58
IDC IX 29 16 55 35.7–.81 34.93N 135.67E 379–13 3.6,2.6b ¶621146386
JMA IX 29 16 55 36.3–.14 35.0N–.70 135.5E–.60 375–1 2.9,2.6b
ISC Event type ke.
JMA Event type ke. KYOTO OSAKA BORDER REG .
ISC IX 22 15 57 35.2–.63 34.28N–.07 135.94E–.06 391–6 3.4b 42 0-83
IDC IX 22 15 57 35.4–.62 34.32N 136.04E 392–8 3.9,3.1b ¶621118160
JMA IX 22 15 57 36.2–.13 34.4N–.80 135.9E–.60 385–1 3.2,3.1b
ISC Event type ke.
JMA Event type ke. SOUTHERN NARA PREF .
ISC IX 26 17 31 10.7–.67 34.11N–.04 135.07E–.03 11 3.5b 24 0-57
IDC IX 26 17 31 09.2–.89 34.02N 135.10E 0 3.6b,3.6 ¶621131525
JMA IX 26 17 31 09.8–.08 34.1N–.30 135.0E–.30 12–1 3.3,3.6
ISC Event type ke.
JMA Event type fe. NW WAKAYAMA PREF .
JMA X 02 16 18 48.5–.06 33.8N–.20 135.0E–.20 42–0 0.9
¶626625964
JMA Event type ke. S PART OF KII CHANNEL .
ISC IX 30 15 00 38.4–1.2 33.6N–.10 136.8E–.10 376–12 18 0-57
JMA IX 30 15 00 37.5–.20 34N–3.0 137E–2.0 386 2.8 ¶621147769
IDC IX 30 15 00 37.1–2.0 33.31N 136.64E 348–37 3.3,2.6b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=62.5km s-min=28.0km az=48.0.
JMA X 18 06 21 34.8–.05 33.7N–.20 135.1E–.20 40–0 3.5
NIED X 18 06 21 34.8 33.73N 135.08E 40 3.6W ¶621385099
JMA Event type fe. S PART OF KII CHANNEL .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.57 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$2.18 $M_{r\theta}$-0.76 $M_{\theta\phi}$-2.26 $M_{\phi r}$-1.02 NP1:ϕ_s112.00000°,δ66.00000°,λ-169.00000°. NP2:ϕ_s18.00000°,δ80.00000°,λ-24.00000°. M_o3.25000×10^{14}
ISC X 14 22 57 41.3–.79 34.00N–.05 135.20E–.04 10 3.6b 15 0-66
IDC X 14 22 57 39.9–1.3 34.00N 135.29E 0 3.6b,3.4 ¶621240660
NIED X 14 22 57 41.4 34.03N 135.24E 5 3.3W,3.4
JMA X 14 22 57 41.4–.02 34.03N–.08 135.2E–.10 5–0 3.3,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{13}Nm; M_{rr}7.28 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-7.87 $M_{r\theta}$5.72 $M_{\theta\phi}$-1.70 $M_{\phi r}$0.38 NP1:ϕ_s166.00000°,δ46.00000°,λ47.00000°. NP2:ϕ_s39.00000°,δ58.00000°,λ125.00000°. M_o9.47000×10^{13}
JMA Event type fe. NW WAKAYAMA PREF .
JMA XI 03 14 14 50.3–.03 34.15N–.09 135.2E–.10 4–0 1.9
¶635631946
JMA Event type ke. NW WAKAYAMA PREF .
ISC X 31 02 34 01.5–.97 33.9N–.10 136.92E–.08 350 2.7b 17 0-70
JMA X 31 02 33 59.6–.23 34N–4.0 137E–4.0 375 3.0 ¶621395219
IDC X 31 02 34 01.9–1.5 33.91N 136.91E 355–16 3.5,2.9b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=32.9km s-min=22.4km az=76.0.
ISC X 31 20 35 40.0–.46 33.25N–.03 135.70E–.03 12–2 4.9b,4.3s 531 0-153
BJI X 31 20 35 35.7 33.10N 135.94E 10 5.1b,4.9s ¶621244767
IDC X 31 20 35 37.9–.42 33.24N 135.70E 0 4.7b,4.6
MOS X 31 20 35 38.5–.98 33.30N 135.64E 13 5.2b,4.7s
NEIC X 31 20 35 39.5 33.28N 135.61E 5 5.2b,4.7s
NEIC X 31 20 35 40.1–2.0 33.29N–.06 135.63E–.05 10–1 5.0b,4.7
JMA X 31 20 35 41.1–.06 33.3N–.20 135.7E–.30 20–0 5.0,4.8W
GFZ X 31 20 35 41.5–.29 33N–4.0 136E–4.0 10 5.5b,5.1b
NIED X 31 20 35 41.1 33.28N 135.67E 20 4.8W,5.1b
GCMT X 31 20 35 46.2–.20 33.25N–.02 135.47E–.03 20–1 4.9W,5.1b

ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.17 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$0.03 $M_{r\theta}$1.06 $M_{\theta\phi}$0.09 $M_{\phi r}$0.43 NP1:ϕ_s76.97000°,δ67.50000°,λ76.22000°. NP2:ϕ_s289.63000°,δ26.20000° ,λ119.90000°. Principal axes: T 1.6886,Plg65.0000°,Azm324.0000°; N -0.0817,Plg13.0000° ,Azm82.0000°; P -1.6069,Plg21.0000°,Azm177.0000° $M_0$1.65000×10^{16}
JMA Event type fe. S OFF KII PENINSULA .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.95 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$0.22 $M_{r\theta}$1.18 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.41 NP1:ϕ_s272.00000°,δ21.00000°,λ108.00000°. NP2:ϕ_s72.00000° ,δ70.00000°,λ83.00000°. $M_0$1.65000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110312035A. Moment Tensor Solution. s35,c40; s94,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.09±.13 $M_{\theta\theta}$-2.01±.08; $M_{\phi\phi}$-0.07±.07; $M_{r\theta}$1.82±.15; $M_{\theta\phi}$-0.38±.05; $M_{\phi r}$-0.12±.15; Best double couple: NP1:ϕ_s251.00000°,δ25.00000° ,λ74.00000°. NP2:ϕ_s89.00000°,δ66.00000°,λ98.00000°. Principal axes: T 2.8020,Plg68.0000°,Azm13.0000°; N -0.0610,Plg7.0000°,Azm265.0000° ; P -2.7380,Plg20.0000°,Azm173.0000° $M_0$2.77000×10^{16}

JMA	**XII**	**09 06 25 13.1–.12**	**34.2N–.40**	**135.4E–.40**	**67–0**	**3.5**			
NIED	XII	09 06 25 13.1	34.17N	135.40E	67	3.6W			**¶621750454**

JMA Event type fe. NE WAKAYAMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.94 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-1.54 $M_{r\theta}$0.76 $M_{\theta\phi}$-1.58 $M_{\phi r}$-0.99 NP1:ϕ_s66.00000°,δ56.00000°,λ156.00000°. NP2:ϕ_s170.00000° ,δ71.00000°,λ37.00000°. $M_0$2.42000×10^{14}

ISC	**XI**	**12 23 49 04.7–1.4**	**34.26N–.05**	**134.70E–.03**	**7–9**	**3.6b,3.1s**	**34**	**0-81**	
IDC	XI	12 23 49 03.4–.79	34.20N	134.76E	0	3.6b,3.6			**¶621460228**
NIED	XI	12 23 49 06.1	34.37N	134.66E	14	3.9W,3.6			
JMA	XI	12 23 49 06.1–.05	34.4N–.10	134.7E–.20	14–1	4.2,4.1			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.24 $M_{\theta\theta}$6.57 $M_{\phi\phi}$-6.82 $M_{r\theta}$-2.22 $M_{\theta\phi}$-3.01 $M_{\phi r}$0.55 NP1:ϕ_s236.00000°,δ78.00000°,λ168.00000°. NP2:ϕ_s328.00000° ,δ79.00000°,λ12.00000°. $M_0$7.68000×10^{14}
JMA Event type fe. HARIMANADA SETONAIKAI .

ISC	**XI**	**14 14 23 20.8–1.0**	**34.33N–.04**	**134.69E–.02**	**11–8**	**3.6b**	**32**	**0-58**	
IDC	XI	14 14 23 19.6–.76	34.31N	134.73E	0	3.6,3.5L			**¶635642585**
NIED	XI	14 14 23 21.2	34.38N	134.67E	14	3.9W,3.5L			
JMA	XI	14 14 23 21.2–.04	34.4N–.10	134.7E–.10	14–0	4.2,4.0			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.07 $M_{\theta\theta}$4.37 $M_{\phi\phi}$-5.44 $M_{r\theta}$-3.25 $M_{\theta\phi}$-2.65 $M_{\phi r}$-1.65 NP1:ϕ_s331.00000°,δ56.00000°,λ8.00000°. NP2:ϕ_s236.00000° ,δ83.00000°,λ146.00000°. $M_0$6.72000×10^{14}
JMA Event type fe. HARIMANADA SETONAIKAI .

ISC	**XI**	**21 09 40 10.6–.89**	**33.9N–.10**	**136.92E–.10**	**361–7**	**3.0b**	**21**	**0-83**	
IDC	XI	21 09 40 09.8–1.1	33.74N	136.98E	353–13	3.6,2.9b			**¶621608908**
JMA	XI	21 09 40 10.1–.07	34N–1.0	137E–1.0	362	3.1,2.9b			

ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .

JMA	**XI**	**21 10 25 25.7–.03**	**34.2N–.10**	**135.3E–.20**	**5–1**	**1.3**			
									¶635648093

JMA Event type ke. NW WAKAYAMA PREF .

ISC	**XII**	**03 00 28 28.6–.33**	**33.82N–.03**	**135.14E–.02**	**16–1**	**5.2b,5.0s**	**845**	**0-155**	
BGR	XII	03 00 28 23.3	32.97N	136.76E	22–1	5.4b,5.2s			**¶621611300**
BJI	XII	03 00 28 23.9	33.62N	135.36E	10	5.5s,5.5b			
MOS	XII	03 00 28 26.8–.82	33.77N	135.02E	15	5.6b,5.4s			
IDC	XII	03 00 28 26.0–.42	33.76N	135.09E	0	5.0b,5.0			
JMA	XII	03 00 28 28.9–.04	33.8N–.10	135.2E–.10	18–0	5.4,5.1W			
NIED	XII	03 00 28 28.9	33.80N	135.15E	18	5.1W,5.1W			
NEIC	XII	03 00 28 28.2–1.2	33.83N–.05	135.08E–.05	12–3	5.2b,5.1			
NEIC	XII	03 00 28 29.1	33.84N	135.09E	18	5.2b,5.1			
NEIC	XII	03 00 28 29.1	33.84N	135.09E	18	5.2b,5.1			
GFZ	XII	03 00 28 29.5–.20	34N–3.0	135E–3.0	10	6.6b,6.3			
GCMT	XII	03 00 28 33.0–.20	33.89N–.01	134.89E–.02	15	5.3W,6.3			
KEA	XII	03 00 28 35.6	33.80N	135.13E	33	5.1s,6.3			
NEIC	XII	03 00 28 37.5	33.84N	135.09E	18	5.2,6.3			

ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=6.9km s-min=3.7km az=120.8.
IDC Error ellipse: s-maj=10.0km s-min=7.6km az=159.0.
JMA Event type fe. S PART OF KII CHANNEL .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.62 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.89 $M_{r\theta}$3.15 $M_{\theta\phi}$-1.36 $M_{\phi r}$3.33 NP1:ϕ_s223.00000°,δ11.00000°,λ90.00000°. NP2:ϕ_s43.00000° ,δ79.00000°,λ90.00000°. $M_0$4.96000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.41 $M_{\theta\theta}$0.38 $M_{\phi\phi}$-0.79 $M_{r\theta}$3.40 $M_{\theta\phi}$-0.60 $M_{\phi r}$4.00 NP1:ϕ_s164.36000°,δ6.32000°,λ33.79000°. NP2:ϕ_s40.73000°,δ86.49000°,λ95.26000°. Principal axes: T 5.0728,Plg48.0000°,Azm316.0000°; N 0.4803,Plg5.0000°,Azm220.0000° ; P -5.5531,Plg41.0000°,Azm126.0000° $M_0$5.33000×10^{16}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112030028A. Moment Tensor Solution. s69,c90; s91,c135; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.26±.01 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$-0.14±.01; $M_{r\theta}$0.76±.03; $M_{\theta\phi}$-0.09±.01; $M_{\phi r}$0.70±.03; Best double couple: NP1:ϕ_s220.00000°,δ7.00000° ,λ83.00000°. NP2:ϕ_s47.00000°,δ83.00000°,λ91.00000°. Principal axes: T 1.0800,Plg52.0000°,Azm318.0000°; N -0.0390,Plg1.0000°,Azm227.0000° ; P -1.0410,Plg38.0000°,Azm136.0000° $M_0$1.06000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}2.36 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$-1.01 $M_{r\theta}$3.72 $M_{\theta\phi}$-1.00 $M_{\phi r}$5.23 NP1:ϕ_s239.19000°,δ10.35000° ,λ112.50000°. NP2:ϕ_s36.36000°,δ80.45000°,λ86.00000°. Principal axes: T 6.9484,Plg54.0000°,Azm302.0000°; N -0.2820,Plg4.0000°,Azm37.0000° ; P -6.6664,Plg35.0000°,Azm130.0000° $M_0$6.81000×10^{16}

(234) Northwest of Ryukyu Islands.

IDC	**VIII**	**06 03 16 28.0–5.5**	**27.79N**	**126.98E**	**0**	**3.5b,3.5**			
									¶620998851

IDC Error ellipse: s-maj=324.7km s-min=25.4km az=63.0.

ISC	**VIII**	**22 20 31 13.1–.92**	**28.81N–.08**	**127.46E–.09**	**228–9**	**3.0b**	**33**	**2-53**	
IDC	VIII	22 20 30 54.6–2.4	27.27N	124.06E	0	3.5b,3.5			**¶621043121**
JMA	VIII	22 20 31 15.7–.21	29N–1.0	128E–2.0	211–3	3.9,3.5			

ISC Event type se.
JMA Event type ke. NW OFF AMAMI-OSHIMA IS .

ISC	**IX**	**26 00 45 13.1–.76**	**27.45N–.07**	**126.31E–.06**	**203–9**	**3.2b**	**48**	**1-51**	
IDC	IX	26 00 45 10.8–2.4	27.31N	125.95E	169–30	3.6,3.0b			**¶621131474**
JMA	IX	26 00 45 13.4–.38	28N–2.0	126E–2.0	199	3.6,3.0b			

ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .

ISC	**X**	**24 11 34 33.3–3.4**	**27.00N–.09**	**126.63E–.07**	**8–20**	**3.4b**	**17**	**1-51**	
IDC	X	24 11 34 32.7–1.4	26.91N	126.56E	0	3.3b,3.3			**¶621366389**
JMA	X	24 11 34 33.7–.24	27.0N–.70	126.6E–.70	21–2	3.1,3.3			

ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .

JMA	**X**	**16 03 32 35.1–.25**	**28.1N–.40**	**128.0E–.60**	**17–2**	**3.5**			
NIED	X	16 03 32 35.1	28.09N	127.99E	17	4.0W			**¶621385098**

JMA Event type ke. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.12 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-0.28 $M_{r\theta}$0.79 $M_{\theta\phi}$-0.08 $M_{\phi r}$0.73 NP1:ϕ_s133.00000°,δ18.00000°,λ-8.00000°. NP2:ϕ_s230.00000° ,δ88.00000°,λ-108.00000°. $M_0$1.13000×10^{15}

JMA	**X**	**29 22 39 26.1–.36**	**31.1N–.60**	**128E–1.0**	**10–4**	**3.6**			
NIED	X	29 22 39 26.1	31.09N	128.15E	10	3.6W			**¶621385004**

JMA Event type ke. SW OFF KYUSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.10 $M_{\theta\theta}$0.20 $M_{\phi\phi}$0.90 $M_{r\theta}$-1.18 $M_{\theta\phi}$2.61 $M_{\phi r}$-0.93 NP1:ϕ_s174.00000°,δ62.00000°,λ-177.00000°. NP2:ϕ_s83.00000° ,δ87.00000°,λ-28.00000°. $M_0$2.92000×10^{14}

ISC	**XI**	**03 12 01 55.6–.60**	**28.21N–.04**	**127.63E–.05**	**179–6**	**4.0b**	**117**	**1-118**	
IDC	XI	03 12 01 55.0–.52	28.29N	127.63E	169–6	4.1,3.7b			**¶621261443**
NEIC	XI	03 12 01 56.4–.98	28.18N–.10	127.6E–.10	187–11	4.5b,3.7b			
NIED	XI	03 12 01 57.4	28.25N	127.63E	160	4.1W,3.7b			
JMA	XI	03 12 01 57.4–.19	28.3N–1.0	128E–2.0	160–3	4.3,4.1			

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.75 $M_{\theta\theta}$0.14 $M_{\phi\phi}$0.61 $M_{r\theta}$-0.48 $M_{\theta\phi}$-1.06 $M_{\phi r}$-1.14 NP1:ϕ_s108.00000°,δ44.00000°,λ-154.00000°. NP2:ϕ_s358.00000° ,δ72.00000°,λ-49.00000°. $M_0$1.76000×10^{15}
JMA Event type ke. NW OFF OKINAWAJIMA IS .

ISC	**XI**	**09 17 19 09.1–.68**	**27.87N–.06**	**126.88E–.06**	**200–7**	**3.8b**	**57**	**1-61**	
IDC	XI	09 17 19 06.5–4.5	27.39N	126.10E	160–59	3.8,3.3b			**¶621423162**
NEIC	XI	09 17 19 07.5–.94	27.72N–.09	126.57E–.09	186–7	4.0b,3.3b			
JMA	XI	09 17 19 11.1–.32	28N–2.0	127E–2.0	172	4.0,3.3b			

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF OKINAWAJIMA IS .

(235) Kyushu.

ISC	**VII**	**14 13 39 38.9–1.4**	**30.09N–.07**	**131.21E–.10**	**43–12**	**3.2b,3.0s**	**26**	**0-86**	
JMA	VII	14 13 39 39.7–.38	30N–1.0	131E–1.0	22–2	3.3,3.0s			**¶620928597**
IDC	VII	14 13 39 40.7–1.7	30.14N	130.95E	59–14	3.3,3.1s			

ISC Event type ke.
JMA Event type ke. E OFF TANEGASHIMA ISLAND.
IDC Error ellipse: s-maj=26.0km s-min=9.3km az=107.0.

ISC	**VII**	**17 11 50 00.7–.20**	**33.61N–.02**	**131.83E–.02**	**82–1**	**5.3b**	**1143**	**0-173**	
BJI	VII	17 11 49 54.3	33.34N	132.33E	76	5.4b,5.3b			**¶620833094**
MOS	VII	17 11 49 58.3–.88	33.55N	131.68E	72	5.4b,4.6s			
BGR	VII	17 11 49 59.3	33.66N	132.70E	77–1	5.0b,4.6s			
NEIC	VII	17 11 49 59.3–1.2	33.62N–.05	131.83E–.05	64–4	5.4b,5.2			
NIED	VII	17 11 50 00.7	33.64N	131.86E	76	5.3W,5.2			
JMA	VII	17 11 50 00.7–.06	33.6N–.10	131.9E–.20	76–0	5.2W,5.1			
IDC	VII	17 11 50 00.7–.27	33.61N	131.69E	81–2	5.0,4.6b			
GFZ	VII	17 11 50 02.3–.23	34N–3.0	132E–3.0	92–4	5.4b,5.0			
GCMT	VII	17 11 50 02.3–.10	33.67N–.01	131.77E–.01	86–1	5.3W,5.0			

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}4.14 $M_{\theta\theta}$-8.14 $M_{\phi\phi}$4.00 $M_{r\theta}$-2.40 $M_{\theta\phi}$-2.48 $M_{\phi r}$3.84 NP1:ϕ_s43.00000°,δ54.00000°,λ29.00000°. NP2:ϕ_s295.00000° ,δ67.00000°,λ140.00000°. $M_0$8.73000×10^{16}
JMA Event type fe. IYONADA SETONAIKAI .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107171150A. Moment Tensor Solution. s112,c186; s147,c278;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.41±.01 $M_{\theta\theta}$-0.95±.01; $M_{\phi\phi}$0.54±.01; $M_{r\theta}$-0.25±.01; $M_{\theta\phi}$-0.37±.01; $M_{\phi r}$0.45±.01; Best double couple: NP1:ϕ_s39.00000° ,δ59.00000°,λ25.00000°. NP2:ϕ_s295.00000°,δ68.00000°,λ146.00000°. Principal axes: T 1.0300,Plg39.0000°,Azm254.0000°; N 0.0230,Plg50.0000°,Azm86.0000° ; P -1.0530,Plg6.0000°,Azm349.0000° $M_0$1.04200×10^{17}

JMA	**VII**	**19 23 02 17.3–.13**	**32.5N–.40**	**130.6E–.50**	**13–1**	**0.4**			
									¶626155063

JMA Event type ke. SOUTHERN KUMAMOTO PREF .

JMA	**VII**	**26 03 58 08.4–.08**	**33.1N–.20**	**132.0E–.30**	**44–0**	**1.6**			
									¶626159920

JMA Event type ke. BUNGO CHANNEL .

ISC	**VII**	**13 19 09 13.2–1.0**	**31.29N–.04**	**131.46E–.08**	**46–8**	**3.6b,3.4s**	**39**	**0-76**	
NIED	VII	13 19 09 12.0	31.27N	131.65E	27	4.1W,3.4s			**¶620928554**
JMA	VII	13 19 09 12.0–.16	31.3N–.40	131.7E–.70	27–1	3.9,3.4s			
IDC	VII	13 19 09 15.3–1.8	31.33N	131.34E	64–14	3.7,3.4b			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.49 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-0.78 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.59 $M_{\phi r}$0.79 NP1:ϕ_s226.00000°,δ28.00000°,λ95.00000°. NP2:ϕ_s40.00000° ,δ63.00000°,λ87.00000°. $M_0$1.72000×10^{15}
JMA Event type fe. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=22.9km s-min=12.9km az=85.0.

JMA	**VIII**	**31 09 17 51.2–.04**	**33.1N–.10**	**131.2E–.10**	**8–0**	**3.5**			
NIED	VIII	31 09 17 51.2	33.06N	131.15E	8	3.5W			**¶621024215**

JMA Event type fe. NE KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.45 $M_{\theta\theta}$1.75 $M_{\phi\phi}$-1.30 $M_{r\theta}$-1.14 $M_{\theta\phi}$1.14 $M_{\phi r}$0.12 NP1:ϕ_s205.00000°,δ60.00000°,λ-178.00000°. NP2:ϕ_s114.00000° ,δ89.00000°,λ-30.00000°. $M_0$2.19000×10^{14}

ISC	**VIII**	**31 00 34 28.4–.59**	**31.02N–.04**	**130.33E–.06**	**165–5**	**3.8b**	**82**	**0-121**	
IDC	VIII	31 00 34 27.6–.87	30.99N	130.24E	155–7	3.9,3.5b			**¶621024214**
NEIC	VIII	31 00 34 28.2–1.5	30.99N–.06	130.39E–.09	165–2	4.3b,3.5b			
JMA	VIII	31 00 34 29.4–.13	31.1N–.40	130.4E–.70	158–1	3.6,3.5b			
NIED	VIII	31 00 34 29.4	31.07N	130.38E	158	4.0W,3.5b			

ISC Event type ke.
IDC Error ellipse: s-maj=17.1km s-min=9.0km az=107.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.0km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SATSUMA PENINSULA REGION.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.12 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$0.22 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.72 $M_{\phi r}$0.65 NP1:ϕ_s82.00000°,δ50.00000°,λ8.00000°. NP2:ϕ_s347.00000° ,δ84.00000°,λ140.00000°. $M_0$1.02000×10^{15}

JMA	**VIII**	**30 02 15 20.3–.04**	**33.1N–.10**	**131.2E–.10**	**8–0**	**3.6**			
NIED	VIII	30 02 15 20.3	33.06N	131.16E	8	3.7W			**¶621024212**

JMA Event type fe. NE KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.83 $M_{\theta\theta}$3.48 $M_{\phi\phi}$-2.65 $M_{r\theta}$-1.55 $M_{\theta\phi}$1.59 $M_{\phi r}$0.56 NP1:ϕ_s211.00000°,δ64.00000°,λ-176.00000°. NP2:ϕ_s119.00000° ,δ86.00000°,λ-27.00000°. $M_0$3.82000×10^{14}

JMA	**IX**	**06 13 59 02.2–.14**	**32.3N–.30**	**130.5E–.40**	**10–1**	**0.1**			
									¶626524454

JMA Event type ke. SOUTHERN KUMAMOTO PREF .

JMA	**X**	**15 18 35 25.1–.07**	**31.4N–.20**	**130.6E–.20**	**9–0**	**0.3**			
									¶626635302

JMA Event type ke. SATSUMA PENINSULA REGION.

ISC	**IX**	**06 20 59 21.5–.51**	**31.15N–.03**	**131.49E–.04**	**46–3**	**4.5b,4.0s**	**234**	**0-121**	
BJI	IX	06 20 59 15.0	30.76N	131.97E	46	4.6b,4.4b			**¶621039474**
MOS	IX	06 20 59 20.1–.98	31.14N	131.36E	49	4.7b,4.4b			
NIED	IX	06 20 59 21.2	31.19N	131.47E	29	4.5W,4.4b			
JMA	IX	06 20 59 21.2–.12	31.2N–.30	131.5E–.60	29–0	4.4,4.2			
NEIC	IX	06 20 59 22.0–1.9	31.17N–.05	131.47E–.06	46–2	4.6b,4.2			
IDC	IX	06 20 59 22.2–1.3	31.20N	131.33E	50–10	4.1,3.9s			

ISC Event type ke.
MOS Error ellipse: s-maj=10.0km s-min=5.7km az=114.7.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.30 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-2.63 $M_{r\theta}$3.41 $M_{\theta\phi}$-1.83 $M_{\phi r}$4.00 NP1:ϕ_s181.00000°,δ17.00000°,λ53.00000°. NP2:ϕ_s40.00000° ,δ76.00000°,λ101.00000°. $M_0$6.04000×10^{15}
JMA Event type fe. SE OFF OSUMI PEN .
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=7.2km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=8.6km az=95.0.

ISC	**IX**	**12 15 16 29.5–1.0**	**32.74N–.05**	**130.59E–.08**	**13–7**	**3.4b**	**20**	**0-72**	
IDC	IX	12 15 16 26.5–.82	32.66N	130.71E	0	3.6b,3.6			**¶621109664**
NIED	IX	12 15 16 29.4	32.79N	130.64E	12	3.8W,3.6			
JMA	IX	12 15 16 29.4–.04	32.8N–.10	130.6E–.10	12–0	3.7,3.6			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.69 $M_{\theta\theta}$5.51 $M_{\phi\phi}$-0.82 $M_{r\theta}$1.10 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.12 NP1:ϕ_s96.00000°,δ39.00000°,λ-86.00000°. NP2:ϕ_s271.00000° ,δ51.00000°,λ-93.00000°. $M_0$5.23000×10^{14}
JMA Event type fe. NW KUMAMOTO PREF .

ISC	**IX**	**16 17 54 13.0–1.1**	**31.27N–.07**	**130.4E–.20**	**161–8**	**3.5b**	**16**	**0-55**	
IDC	IX	16 17 54 01.2–5.6	30.39N	131.28E	0	3.6b,3.6			**¶621112904**
JMA	IX	16 17 54 13.1–.14	31.3N–.50	130.4E–.80	161–1	3.3,3.6			

ISC Event type ke.
JMA Event type ke. SATSUMA PENINSULA REGION.
JMA IX 10 05 11 41.5–.07 32.9N–.10 130.4E–.20 14–0 0.5
¶626526772
JMA Event type ke. NORTHERN ARIAKEKAI REG .
ISC IX 18 07 48 43.3–1.8 30.32N–.06 131.70E–.07 29–12 3.9b,3.4s 35 1-85
IDC IX 18 07 48 39.6–1.1 30.37N 131.80E 0 3.5b,3.5 **¶621113551**
JMA IX 18 07 48 42.9–.19 30.4N–.60 132E–1.0 53–2 3.7,3.5
ISC Event type ke.
JMA Event type ke. E OFF TANEGASHIMA ISLAND.
JMA IX 20 08 17 37.5–.07 31.6N–.10 129.7E–.30 9–0 3.5
NIED IX 20 08 17 37.5 31.57N 129.67E 9 3.4W **¶621146118**
JMA Event type fe. SW OFF KYUSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.36 $M_{\theta\theta}$0.31 $M_{\phi\phi}$0.05 $M_{r\theta}$0.94 $M_{\theta\phi}$0.96 $M_{\phi r}$-1.26 NP1:ϕ_s258.00000°,δ45.00000°,λ-18.00000°. NP2:ϕ_s1.00000° ,δ77.00000°,λ-133.00000°. M_o1.68000×10^{14}.
JMA X 04 14 34 43.1–.05 31.9N–.10 131.0E–.20 7–0 -0.4
¶626627604
JMA Event type ke. SOUTHERN MIYAZAKI PREF .
JMA IX 19 14 14 30.0–.04 32.6N–.10 130.6E–.20 15–0 3.5
NIED IX 19 14 14 30.0 32.62N 130.63E 15 3.5W **¶621146117**
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.06 $M_{\theta\theta}$1.96 $M_{\phi\phi}$-2.02 $M_{r\theta}$0.58 $M_{\theta\phi}$1.05 $M_{\phi r}$0.37 NP1:ϕ_s122.00000°,δ75.00000°,λ7.00000°. NP2:ϕ_s30.00000° ,δ83.00000°,λ165.00000°. M_o2.35000×10^{14}
ISC IX 25 21 46 36.8–.94 30.65N–.04 131.37E–.05 33–3 4.1b,3.2s 70 0-86
IDC IX 25 21 46 32.2–.74 30.68N 131.36E 0 3.9b,3.8 **¶621131470**
NIED IX 25 21 46 37.0 30.64N 131.36E 32 4.0W,3.8
NEIC IX 25 21 46 37.9–1.5 30.68N–.09 131.3E–.10 38–8 4.5b,3.8
JMA IX 25 21 46 37.0–.15 30.6N–.40 131.4E–.90 32–1 3.6,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.13 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.39 $M_{r\theta}$-0.15 $M_{\theta\phi}$-0.16 $M_{\phi r}$1.14 NP1:ϕ_s237.00000°,δ13.00000°,λ156.00000°. NP2:ϕ_s351.00000° ,δ85.00000°,λ78.00000°. M_o1.20000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR TANEGASHIMA ISLAND .
ISC X 06 08 12 55.5–.27 31.27N–.02 131.41E–.03 43–2 5.5b,4.9s 1556 0-164
BJI X 06 08 12 50.8 31.04N 131.64E 40 5.5b,5.2b **¶621126162**
MOS X 06 08 12 51.6–.98 31.28N 131.28E 24 5.8b,5.3s
NEIC X 06 08 12 53.6–2.9 31.20N–.05 131.49E–.05 24–3 5.6b,5.3
KEA X 06 08 12 54.5 31.32N 131.49E 33 5.0s,5.3
JMA X 06 08 12 55.4–.11 31.3N–.30 131.5E–.60 43–0 5.5W,5.4
NEIC X 06 08 12 55 31.20N 131.48E 35 5.5W,5.4
IDC X 06 08 12 55.2–.42 31.32N 131.23E 40–3 5.3,5.1b
NEIC X 06 08 12 55 31.26N 131.47E 35 5.3,5.1b
NIED X 06 08 12 55.4 31.25N 131.48E 43 5.5W,5.1b
GFZ X 06 08 12 55.6–.12 31N–1.0 131E–2.0 40–0 5.9b,5.6L
GFZ X 06 08 12 55.6 31.28N 131.32E 40 5.4W,5.6L
IPGP X 06 08 12 56.0 31.23N 131.42E 50 5.5W,5.6L
BGR X 06 08 12 56.2 32.17N 132.35E 45–2 5.5b,5.5s
GCMT X 06 08 12 57.8–.10 31.24N–.01 131.42E–.01 31–0 5.5W,5.5s
NEIC X 06 08 13 05.9 31.20N 131.48E 36 5.4,5.5s
ISC Event type ke.
MOS Error ellipse: s-maj=5.5km s-min=3.4km az=107.3.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.8km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.28 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$0.66 $M_{r\theta}$0.34 $M_{\theta\phi}$0.67 $M_{\phi r}$0.19 NP1:ϕ_s333.89000°,δ66.93000°,λ170.91000°. NP2:ϕ_s67.48000°,δ81.64000° ,λ23.33000°. Principal axes: T 1.0248,Plg22.0000°,Azm293.0000°; N 0.2006,Plg65.0000° ,Azm86.0000°; P -1.2253,Plg10.0000°,Azm199.0000° M_o1.14000×10^{17}
JMA Event type fe. SE OFF OSUMI PEN .
NEIC Event type se.
IDC Error ellipse: s-maj=10.5km s-min=6.7km az=82.0.
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22 $M_{\theta\theta}$-1.69 $M_{\phi\phi}$1.47 $M_{r\theta}$0.65 $M_{\theta\phi}$0.60 $M_{\phi r}$0.58 NP1:ϕ_s324.00000°,δ63.00000°,λ173.00000°. NP2:ϕ_s57.00000° ,δ84.00000°,λ28.00000°. M_o1.91000×10^{17}
GFZ Error ellipse: s-maj=3.7km s-min=3.1km az=105.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.08 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$1.32 $M_{r\theta}$-0.36 $M_{\theta\phi}$0.54 $M_{\phi r}$-0.33 NP1: ϕ_s145.26418°,δ71.61907°,λ176.34463°. NP2:ϕ_s236.41824°,δ86.53136°,λ18.41588°. Principal axes: T 1.5297,Plg15.4119°,Azm102.3177°; N 0.0276,Plg71.2714°,Azm246.7170° ; P -1.5573,Plg10.3810°,Azm9.4230° M_o1.54372×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s51.00000°,δ86.00000°,λ19.00000°. NP2:ϕ_s319.00000° ,δ71.00000°,λ175.00000°.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110060812A. Moment Tensor Solution. s121,c220; s143,c293;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.09±.02 $M_{\theta\theta}$-1.79±.02; $M_{\phi\phi}$1.70±.02; $M_{r\theta}$0.89±.04; $M_{\theta\phi}$0.37±.02; $M_{\phi r}$1.10±.04; Best double couple: NP1:ϕ_s318.00000° ,δ53.00000°,λ175.00000°. NP2:ϕ_s51.00000°,δ86.00000°,λ37.00000°. Principal axes: T 2.3900,Plg29.0000°,Azm282.0000°; N -0.2500,Plg52.0000°,Azm57.0000° ; P -2.1430,Plg22.0000°,Azm179.0000° M_o2.26700×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27 $M_{\theta\theta}$-1.53 $M_{\phi\phi}$1.80 $M_{r\theta}$0.23 $M_{\theta\phi}$0.54 $M_{\phi r}$0.49 NP1:ϕ_s323.23000°,δ76.27000° ,λ175.48000°. NP2:ϕ_s54.31000°,δ85.61000°,λ13.77000°. Principal axes: T 2.0038,Plg13.0000°,Azm280.0000°; N -0.3697,Plg76.0000°,Azm72.0000° ; P -1.6341,Plg7.0000°,Azm188.0000° M_o1.85000×10^{17}
ISC XI 13 04 45 05.6–.29 31.16N–.03 130.47E–.03 153–2 4.8b 693 0-114
BGR XI 13 04 44 57.6 32.63N 131.27E 33 5.3b **¶621402629**
BJI XI 13 04 45 01.2 30.93N 130.79E 154 5.0b,4.7b
MOS XI 13 04 45 04.9–.90 31.20N 130.41E 157 5.0b,4.7b
IDC XI 13 04 45 05.6–.45 31.20N 130.40E 155–3 4.6,4.1b
NEIC XI 13 04 45 06.7–1.6 31.23N–.06 130.37E–.08 151–4 4.9b,4.1b
NIED XI 13 04 45 06.4 31.19N 130.47E 149 5.0W,4.1b
JMA XI 13 04 45 06.4–.13 31.2N–.40 130.5E–.70 149–1 5.0W,4.7
GCMT XI 13 04 45 07.9–.20 31.24N–.01 130.39E–.01 158–1 5.0W,4.7
GFZ XI 13 04 45 07.2 31.24N 130.40E 156 5.0W,4.7
GFZ XI 13 04 45 07.1–.41 31N–5.0 130E–4.0 156–3 5.4L,5.2b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.46 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$-0.78 $M_{r\theta}$0.36 $M_{\theta\phi}$-1.16 $M_{\phi r}$3.07 NP1:ϕ_s249.00000°,δ21.00000°,λ145.00000°. NP2:ϕ_s13.00000° ,δ78.00000°,λ72.00000°. M_o3.53000×10^{16}
JMA Event type fe. SATSUMA PENINSULA REGION.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111130445A. Moment Tensor Solution. s69,c85; s128,c200; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.48±.09 $M_{\theta\theta}$-1.28±.10; $M_{\phi\phi}$-0.19±.12; $M_{r\theta}$0.56±.07; $M_{\theta\phi}$-1.68±.10; $M_{\phi r}$3.92±.08; Best double couple: NP1:ϕ_s265.00000°,δ25.00000° ,λ157.00000°. NP2:ϕ_s16.00000°,δ80.00000°,λ67.00000°. Principal axes: T 4.7190,Plg49.0000°,Azm260.0000°; N -0.4220,Plg23.0000°,Azm20.0000° ; P -4.2920,Plg31.0000°,Azm125.0000° M_o4.50600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.12 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-2.24 $M_{r\theta}$0.45 $M_{\theta\phi}$-1.26 $M_{\phi r}$2.48 NP1: ϕ_s218.96844°,δ23.85691°,λ114.57086°. NP2:ϕ_s12.40631°,δ68.41817°,λ79.58021°. Principal axes: T 3.2475,Plg65.0648°,Azm264.7479°; N 0.5665,Plg9.6820°,Azm16.2759° ; P -3.8140,Plg22.7428°,Azm110.3771° M_o3.56465×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA X 26 18 55 50.2–.05 32.3N–.10 130.5E–.10 9–0 0.1
¶626643130
JMA Event type ke. SOUTHERN KUMAMOTO PREF .
ISC XI 28 22 27 31.5–1.2 31.95N–.03 130.82E–.03 0–8 3.9b,3.1s 47 0-87
JMA XI 28 22 27 30.7–.13 31.9N–.10 130.8E–.20 0–1 3.2,3.1s **¶635652595**
IDC XI 28 22 27 31.2–.79 31.97N 130.90E 0 3.9b,3.9
NEIC XI 28 22 27 32.9–1.7 31.91N–.05 130.78E–.08 10–1 4.3b,3.9
ISC Event type ke.
JMA Event type fe. EBINO REGION S KYUSHU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 28 22 33 01.6–2.2 32.0N–.10 130.8E–.10 11 3.5b 9 0-58
JMA XI 28 22 32 59.9–.04 31.9N–.10 130.8E–.20 3–1 3.2 **¶635652601**
IDC XI 28 22 33 00.1–2.5 32.75N 131.65E 0 3.8b,3.7
ISC Event type ke.
JMA Event type fe. EBINO REGION S KYUSHU .
IDC Error ellipse: s-maj=46.2km s-min=14.1km az=2.0.
JMA XII 12 03 24 09.1–.05 31.6N–.20 130.1E–.20 8–1 0.7
¶635663448
JMA Event type ke. SW OFF KYUSHU .
ISC XI 28 22 13 56.4–.50 31.94N–.03 130.83E–.03 11 4.0b,3.3s 60 0-87
IDC XI 28 22 13 53.3–.76 31.94N 131.24E 0 3.8b,3.7 **¶621480989**
JMA XI 28 22 13 54.4–.13 31.9N–.10 130.8E–.20 1–1 3.3,3.7
NEIC XI 28 22 13 56.7–.74 31.85N–.06 130.79E–.07 10–1 4.5b,3.7
ISC Event type ke.
JMA Event type fe. EBINO REGION S KYUSHU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 10 23 42 30.4–2.4 32.8N–.10 130.98E–.08 12 8 0-56
IDC XII 10 23 42 28.2–1.5 32.90N 131.23E 0 3.4b,3.3 **¶621644152**
NIED XII 10 23 42 31.0 32.96N 131.12E 8 3.7W,3.3
JMA XII 10 23 42 31.0–.03 32.96N–.09 131.1E–.10 8–0 3.7,3.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.94 $M_{\theta\theta}$2.65 $M_{\phi\phi}$-1.71 $M_{r\theta}$-1.72 $M_{\theta\phi}$2.25 $M_{\phi r}$0.52 NP1:ϕ_s203.00000°,δ57.00000°,λ-170.00000°. NP2:ϕ_s108.00000° ,δ82.00000°,λ-33.00000°. M_o3.65000×10^{14}
JMA Event type fe. NE KUMAMOTO PREF .
JMA XII 30 08 46 32.5–.16 32.0N–.30 131.7E–.80 37–1 0.9
¶635674829
JMA Event type ke. HYUGANADA REGION .

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ISC VII 07 16 24 35.6–.37 33.67N–.03 132.26E–.03 57–3 4.4b,3.5s 193 0-150
JMA VII 07 16 24 36.0–.07 33.7N–.20 132.3E–.20 50–0 4.4,4.3 **¶620758701**
GFZ VII 07 16 24 35.8–.17 34N–3.0 132E–2.0 57 4.7b,4.7
NEIC VII 07 16 24 35.8–1.9 33.70N–.06 132.25E–.05 53–1 4.5b,4.7
IDC VII 07 16 24 35.8–.46 33.75N 132.22E 60–3 4.0,3.7b
NIED VII 07 16 24 36.0 33.71N 132.27E 50 4.4W,3.7b
ISC Event type ke.
JMA Event type fe. IYONADA SETONAIKAI .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.1km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.0km s-min=6.0km az=138.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.83 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$-1.22 $M_{r\theta}$-0.16 $M_{\theta\phi}$-0.96 $M_{\phi r}$4.28 NP1:ϕ_s233.00000°,δ19.00000°,λ133.00000°. NP2:ϕ_s8.00000° ,δ76.00000°,λ77.00000°. M_o4.87000×10^{15}
ISC VII 18 05 35 50.5–.43 33.97N–.04 133.89E–.03 42–3 4.5b,3.7s 313 0-97
BJI VII 18 05 35 43.6 33.57N 134.48E 40 4.8b,4.6b **¶620833281**
MOS VII 18 05 35 48.3–.80 33.89N 133.84E 40 4.8b,4.6b
NEIC VII 18 05 35 50.9–1.1 34.00N–.05 133.87E–.07 41–5 4.6b,4.6b
JMA VII 18 05 35 50.6–.07 34.0N–.20 133.9E–.20 45–0 4.5,4.4
NIED VII 18 05 35 50.6 33.97N 133.93E 45 4.4W,4.4
GFZ VII 18 05 35 50.5–.27 34N–5.0 134E–3.0 37 4.6b,4.6
IDC VII 18 05 35 51.1–1.2 33.92N 133.81E 49–11 4.2,3.9b
ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=4.9km az=115.2.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.3km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. TOKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.59 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$0.82 $M_{r\theta}$-4.30 $M_{\theta\phi}$0.23 $M_{\phi r}$-2.01 NP1:ϕ_s136.00000°,δ13.00000°,λ160.00000°. NP2:ϕ_s245.00000° ,δ86.00000°,λ78.00000°. M_o4.90000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=12.3km s-min=9.8km az=151.0.
ISC VII 18 13 32 46.0–.90 34.00N–.05 134.67E–.04 41–9 3.3b 26 0-55
IDC VII 18 13 32 42.0–.88 34.05N 134.63E 0 3.6,3.4L **¶620928819**
JMA VII 18 13 32 46.5–.06 33.9N–.20 134.6E–.20 40–0 3.9,3.7
NIED VII 18 13 32 46.5 33.95N 134.62E 40 3.8W,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=13.1km az=164.0.
JMA Event type fe. TOKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.42 $M_{\theta\theta}$-4.58 $M_{\phi\phi}$4.16 $M_{r\theta}$-1.31 $M_{\theta\phi}$3.85 $M_{\phi r}$-0.60 NP1:ϕ_s156.00000°,δ76.00000°,λ178.00000°. NP2:ϕ_s246.00000° ,δ89.00000°,λ14.00000°. M_o6.00000×10^{14}
ISC VII 25 21 12 53.6–1.1 32.11N–.04 132.14E–.05 46–10 3.6b 38 1-73
JMA VII 25 21 12 53.9–.09 32.1N–.40 132.2E–.50 43–1 3.7 **¶620970676**
NIED VII 25 21 12 53.9 32.12N 132.15E 43 3.9W
IDC VII 25 21 12 55.7–1.8 32.04N 131.96E 70–14 3.6,3.3b
ISC Event type ke.
JMA Event type fe. HYUGANADA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.81 $M_{\theta\theta}$1.84 $M_{\phi\phi}$3.97 $M_{r\theta}$-2.68 $M_{\theta\phi}$3.30 $M_{\phi r}$-1.94 NP1:ϕ_s206.00000°,δ32.00000°,λ-106.00000°. NP2:ϕ_s45.00000° ,δ59.00000°,λ-80.00000°. M_o6.94000×10^{14}
IDC Error ellipse: s-maj=22.2km s-min=12.6km az=85.0.
JMA IX 12 05 32 43.5–.08 33.7N–.10 134.2E–.20 19–0 0.6
¶626492168
JMA Event type ke. TOKUSHIMA PREF .
ISC IX 12 02 17 04.3–.72 33.10N–.04 132.08E–.03 50–7 4.2b,3.2s 74 0-86
IDC IX 12 02 17 03.8–1.2 33.11N 132.08E 48–12 3.9,3.6b **¶621070394**
NIED IX 12 02 17 04.5 33.12N 132.07E 45 4.2W,3.6b
NEIC IX 12 02 17 04.6–2.0 33.06N–.06 132.04E–.06 49–6 4.5b,3.6b
JMA IX 12 02 17 04.5–.05 33.1N–.20 132.1E–.20 45–0 4.2,4.2W
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.87 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$1.33 $M_{r\theta}$1.19 $M_{\theta\phi}$-0.67 $M_{\phi r}$1.82 NP1:ϕ_s311.00000°,δ29.00000°,λ-158.00000°. NP2:ϕ_s202.00000° ,δ80.00000°,λ-63.00000°. M_o2.54000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. BUNGO CHANNEL .
ISC VII 31 04 09 44.6–.47 33.76N–.04 134.58E–.03 40–4 4.7b,3.5s 214 0-153
BJI VII 31 04 09 42.3 33.58N 134.76E 40 4.8b,4.6b **¶620923886**
IDC VII 31 04 09 44.0–1.0 33.53N 134.65E 47–9 4.2L,4.2
NIED VII 31 04 09 44.7 33.80N 134.63E 45 4.5W,4.2
JMA VII 31 04 09 44.7–.06 33.8N–.20 134.6E–.20 45–0 4.5,4.5W
GFZ VII 31 04 09 45.1–.21 34N–3.0 135E–3.0 41–2 4.9,4.8b
NEIC VII 31 04 09 45.7–1.2 33.87N–.07 134.59E–.06 41–4 4.7b,4.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.40 $M_{\theta\theta}$-4.39 $M_{\phi\phi}$6.79 $M_{r\theta}$-2.43 $M_{\theta\phi}$-2.08 $M_{\phi r}$1.55 NP1:ϕ_s32.00000°,δ59.00000°,λ-16.00000°. NP2:ϕ_s130.00000° ,δ77.00000°,λ-148.00000°. M_o6.83000×10^{15}
JMA Event type fe. TOKUSHIMA PREF .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA VIII 25 21 43 46.4–.07 33.5N–.40 133.8E–.10 16–0 0.5
¶626304846
JMA Event type ke. MID KOCHI PREF .
JMA IX 27 06 27 48.1–.21 33.9N–.40 134.6E–.80 13–0 0.6
¶626509317
JMA Event type ke. TOKUSHIMA PREF .

ISC X 13 17 00 49.2–1.8 32.45N–.06 133.13E–.04 12–10 4.3b,3.0s 85 0-122
IDC X 13 17 00 47.4–.62 32.52N 133.25E 0 3.9b,3.9 **¶621238988**
NEIC X 13 17 00 49.1–1.8 32.46N–.07 133.15E–.07 13–4 4.6b,3.9
NIED X 13 17 00 49.3 32.45N 133.22E 20 4.0W,3.9
JMA X 13 17 00 49.3–.16 32.4N–.60 133.2E–.60 20–1 4.2,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.99 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.02 $M_{r\theta}$0.16 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.22 NP1:ϕ_s189.00000°,δ38.00000°,λ80.00000°. NP2:ϕ_s21.00000°,δ52.00000°,λ98.00000°. M_o1.09000×10^{15}
JMA Event type fe. S OFF SHIKOKU .
JMA XII 19 21 11 00.3–.07 33.6N–.20 132.0E–.20 68–0 2.5
¶635668349
JMA Event type ke. IYONADA SETONAIKAI .
JMA X 14 20 16 18.0–.06 33.7N–.20 134.7E–.20 37–0 3.5
NIED X 14 20 16 18.0 33.74N 134.68E 37 3.5W **¶621385095**
JMA Event type fe. SE OFF SHIKOKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.51 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$0.47 $M_{r\theta}$0.88 $M_{\theta\phi}$1.66 $M_{\phi r}$-0.11 NP1:ϕ_s349.00000°,δ64.00000°,λ176.00000°. NP2:ϕ_s80.00000°,δ87.00000°,λ27.00000°. M_o2.01000×10^{14}
ISC XI 23 11 30 44.4–1.1 33.32N–.09 134.84E–.05 34 3.4b 21 1-57
IDC XI 23 11 30 40.3–1.1 33.23N 134.94E 0 3.4b,3.3 **¶621611950**
NIED XI 23 11 30 44.0 33.31N 134.86E 31 3.6W,3.3
JMA XI 23 11 30 44.0–.06 33.3N–.30 134.9E–.20 31–0 3.6,3.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.19 $M_{\theta\theta}$2.48 $M_{\phi\phi}$0.70 $M_{r\theta}$1.06 $M_{\theta\phi}$-1.01 $M_{\phi r}$-0.50 NP1:ϕ_s114.00000°,δ35.00000°,λ-90.00000°. NP2:ϕ_s295.00000°,δ55.00000°,λ-90.00000°. M_o3.28000×10^{14}
JMA Event type fe. SE OFF SHIKOKU .
ISC XI 13 18 23 59.2–1.1 33.45N–.05 132.20E–.05 48–10 17 0-57
IDC XI 13 18 23 57.4–1.7 33.41N 132.23E 33–17 3.4,3.4s **¶621468613**
JMA XI 13 18 23 59.5–.05 33.5N–.20 132.2E–.20 48–0 3.3,3.4s
ISC Event type ke.
JMA Event type fe. IYONADA SETONAIKAI .

(237) Southeast of Shikoku.

IDC VIII 06 23 08 59.3–10 29.18N 136.74E 480–57 3.6,2.7b
¶620998927
IDC Error ellipse: s-maj=381.9km s-min=19.8km az=69.0.
IDC X 26 02 24 41.3–362 30.78N 132.24E 0
¶621366453
IDC Error ellipse: s-maj=165.2km s-min=128.8km az=93.0.
ISC X 02 19 18 11.1–1.8 30.73N–.04 132.23E–.06 11–10 3.5b 47 1-120
IDC X 02 19 18 10.0–.72 30.74N 132.24E 0 3.7b,3.6 **¶621186082**
JMA X 02 19 18 12.9–.15 30.7N–.40 132.2E–.90 61–3 3.3,3.6
ISC Event type ke.
JMA Event type ke. E OFF TANEGASHIMA ISLAND.
IDC XII 22 15 36 03.0–999 30.65N 132.37E 0
¶621686776
IDC Error ellipse: s-maj=390.3km s-min=167.4km az=36.0.
ISC XI 02 04 33 47.9–.63 32.93N–.09 136.75E–.07 450 3.6b 58 1-154
NEIC XI 02 04 33 47.0–1.5 32.9N–.10 136.9E–.10 433–7 4.2b **¶621401325**
JMA XI 02 04 33 46.7–.47 33N–2.0 137E–1.0 441–4 3.0
IDC XI 02 04 33 48.1–2.1 33.00N 136.64E 433–12 3.8,3.1b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=12.5km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=35.8km s-min=20.9km az=161.0.

(238) Ryukyu Islands.

ISC VII 04 13 32 05.8–1.3 28.09N–.03 128.10E–.04 17–8 4.4b,3.6s 167 1-99
IDC VII 04 13 32 03.5–.54 28.07N 127.94E 0 4.0b,4.0 **¶620733580**
NIED VII 04 13 32 04.7 28.13N 128.06E 14 4.4W,4.0
JMA VII 04 13 32 04.7–.20 28.1N–.30 128.1E–.50 14–2 4.4,4.3
BJI VII 04 13 32 05.0 27.70N 128.36E 44 4.6b,4.4b
NEIC VII 04 13 32 08.9–1.9 27.98N–.05 128.08E–.08 43–8 4.4b,4.4b
GFZ VII 04 13 32 09.9–.18 28N–3.0 128E–3.0 46 4.6,4.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.99 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-0.17 $M_{r\theta}$0.19 $M_{\theta\phi}$3.79 $M_{\phi r}$2.32 NP1:ϕ_s93.00000°,δ57.00000°,λ-10.00000°. NP2:ϕ_s189.00000°,δ82.00000°,λ-147.00000°. M_o4.55000×10^{15}
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 04 15 36 05.4–2.0 28.09N–.05 128.05E–.07 1–14 3.6b 23 1-52
JMA VII 04 15 36 06.2–.35 28.1N–.60 128.1E–.80 13–3 3.4 **¶620927886**
IDC VII 04 15 36 06.2–.97 28.03N 127.90E 0 3.6b,3.6
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=32.4km s-min=14.1km az=76.0.
ISC VII 04 17 19 25.6–1.5 28.07N–.05 128.18E–.07 28–13 3.4b 22 1-62
JMA VII 04 17 19 23.8–.21 28.1N–.40 128.1E–.50 17–2 3.2 **¶620927890**
IDC VII 04 17 19 24.0–1.1 27.53N 127.14E 0 3.4b,3.4
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=52.0km s-min=15.8km az=46.0.
ISC VII 04 19 13 08.6–1.7 28.09N–.04 128.09E–.06 6–11 3.6b,3.3s 31 1-77
JMA VII 04 19 13 08.5–.26 28.1N–.50 128.1E–.60 15–2 3.6,3.3s **¶620927896**
IDC VII 04 19 13 08.3–.86 28.17N 127.93E 0 3.5b,3.5
NIED VII 04 19 13 08.5 28.12N 128.10E 15 4.1W,3.5
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=22.9km s-min=15.6km az=89.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.50 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$0.69 $M_{r\theta}$-0.08 $M_{\theta\phi}$1.28 $M_{\phi r}$0.25 NP1:ϕ_s80.00000°,δ74.00000°,λ-10.00000°. NP2:ϕ_s172.00000°,δ81.00000°,λ-164.00000°. M_o1.39000×10^{15}
ISC VII 04 22 05 20.2–.59 28.14N–.03 128.07E–.04 10 3.9b,3.5s 42 1-87
IDC VII 04 22 05 20.0–1.0 28.04N 127.86E 0 3.9,3.8b **¶620927907**
JMA VII 04 22 05 20.9–.30 28.1N–.60 128.1E–.80 16–3 4.0,3.8
NIED VII 04 22 05 20.9 28.13N 128.09E 16 4.2W,3.8
NEIC VII 04 22 05 21.9–.73 27.97N–.05 127.9E–.10 10–1 4.0b,3.8
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.51 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$0.76 $M_{r\theta}$0.08 $M_{\theta\phi}$2.08 $M_{\phi r}$0.64 NP1:ϕ_s83.00000°,δ73.00000°,λ-2.00000°. NP2:ϕ_s174.00000°,δ88.00000°,λ-163.00000°. M_o2.23000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 04 22 36 21.1–1.8 28.13N–.06 128.07E–.06 9–12 3.7b,3.2s 24 1-71
IDC VII 04 22 36 20.2–1.6 27.94N 127.84E 0 3.7,3.6b **¶620927910**
JMA VII 04 22 36 21.0–.23 28.1N–.40 128.1E–.50 11–2 3.7,3.6b
NIED VII 04 22 36 21.0 28.14N 128.07E 11 4.1W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=26.0km az=100.0.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.38 $M_{\theta\theta}$0.38 $M_{\phi\phi}$0.01 $M_{r\theta}$-0.40 $M_{\theta\phi}$1.24 $M_{\phi r}$0.06 NP1:ϕ_s185.00000°,δ69.00000°,λ-170.00000°. NP2:ϕ_s92.00000°,δ81.00000°,λ-21.00000°. M_o1.33000×10^{15}
ISC VII 04 23 04 16.3–1.4 28.11N–.03 128.05E–.04 6–10 4.0b,3.6s 76 1-87
IDC VII 04 23 04 16.1–.69 28.07N 128.03E 0 3.8b,3.8 **¶626139636**
NEIC VII 04 23 04 16.8–1.1 28.02N–.04 127.99E–.08 6–4 4.1b,3.8
JMA VII 04 23 04 17.0–.21 28.1N–.40 128.1E–.50 14–2 4.3,3.9
NIED VII 04 23 04 17.0 28.12N 128.09E 14 4.3W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=21.3km s-min=11.4km az=84.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.1km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.88 $M_{\theta\theta}$0.42 $M_{\phi\phi}$0.46 $M_{r\theta}$-0.89 $M_{\theta\phi}$3.01 $M_{\phi r}$0.21 NP1:ϕ_s181.00000°,δ70.00000°,λ-169.00000°. NP2:ϕ_s88.00000°,δ80.00000°,λ-20.00000°. M_o3.19000×10^{15}
ISC VII 05 01 27 51.4–2.6 28.14N–.05 128.11E–.06 7–18 3.7b,3.5s 25 1-87
IDC VII 05 01 27 50.8–3.7 28.48N 128.41E 0 3.7b,3.7 **¶626140417**
NIED VII 05 01 27 51.8 28.14N 128.09E 17 4.1W,3.7
JMA VII 05 01 27 51.8–.26 28.1N–.50 128.1E–.60 17–2 3.6,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.23 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$0.28 $M_{r\theta}$-0.37 $M_{\theta\phi}$1.65 $M_{\phi r}$0.72 NP1:ϕ_s85.00000°,δ66.00000°,λ-12.00000°. NP2:ϕ_s180.00000°,δ79.00000°,λ-156.00000°. M_o1.85000×10^{15}
JMA Event type ke. NW OFF OKINAWAJIMA IS .
JMA VII 05 06 10 54.2–.31 28.1N–.60 128.1E–.80 13–3 3.5
NIED VII 05 06 10 54.2 28.12N 128.09E 13 3.9W **¶620973930**
JMA Event type ke. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.45 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$3.74 $M_{r\theta}$-0.46 $M_{\theta\phi}$7.36 $M_{\phi r}$2.37 NP1:ϕ_s80.00000°,δ65.00000°,λ-16.00000°. NP2:ϕ_s177.00000°,δ75.00000°,λ-154.00000°. M_o8.23000×10^{14}
ISC VII 05 06 58 41.8–.61 28.01N–.04 128.19E–.04 32–4 4.5b,4.0s 133 1-92
BJI VII 05 06 58 38.1 27.48N 128.69E 64 4.8b,4.6s **¶620733791**
NIED VII 05 06 58 39.2 28.12N 128.11E 14 4.6W,4.6s
JMA VII 05 06 58 39.2–.38 28.1N–.70 128.1E–.90 14–3 4.6,4.3
IDC VII 05 06 58 43.8–1.0 28.03N 128.09E 46–12 4.1,4.0s
NEIC VII 05 06 58 43.4–1.6 27.97N–.05 128.24E–.08 49–6 4.5b,4.0s
GFZ VII 05 06 58 44.0–.32 28N–5.0 128E–5.0 74–4 4.5b,4.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.19 $M_{\theta\theta}$0.28 $M_{\phi\phi}$2.91 $M_{r\theta}$-1.00 $M_{\theta\phi}$8.56 $M_{\phi r}$1.02 NP1:ϕ_s84.00000°,δ77.00000°,λ-13.00000°. NP2:ϕ_s177.00000°,δ78.00000°,λ-167.00000°. M_o8.89000×10^{15}
JMA Event type ke. NW OFF OKINAWAJIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 05 13 28 04.1–1.5 28.15N–.04 128.08E–.05 7–11 3.5b,3.2s 24 1-82
JMA VII 05 13 28 04.5–.39 28.2N–.60 128.1E–.80 8–4 3.4,3.2s **¶620927962**
IDC VII 05 13 28 04.7–.84 28.04N 127.70E 0 3.6b,3.6
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=22.2km s-min=12.8km az=77.0.
ISC VII 05 15 23 54.0–2.7 28.13N–.05 128.12E–.07 15–18 3.5b,3.0s 25 1-82
IDC VII 05 15 23 52.3–.88 28.06N 127.91E 0 3.6b,3.6 **¶620927967**
JMA VII 05 15 23 53.6–.30 28.1N–.50 128.1E–.70 11–3 3.4,3.6
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
ISC VII 05 16 12 02.6–3.7 28.11N–.05 128.15E–.06 6–26 3.6b,3.3s 20 1-78
JMA VII 05 16 12 03.1–.29 28.1N–.50 128.1E–.70 15–3 3.3,3.3s **¶620927970**
IDC VII 05 16 12 09.2–4.1 27.45N 125.72E 0 3.6b,3.6
ISC Event type se.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=302.3km s-min=25.8km az=66.0.
ISC VII 05 19 06 06.6–.60 28.05N–.03 128.17E–.04 15–3 4.5b,4.1s 147 1-99
BJI VII 05 19 06 03.6 27.92N 128.16E 6 4.7s,4.6b **¶626141221**
NIED VII 05 19 06 04.4 28.13N 128.08E 12 4.7W,4.6b
JMA VII 05 19 06 04.4–.31 28.1N–.60 128.1E–.70 12–3 4.5,4.0
IDC VII 05 19 06 04.6–.66 28.08N 127.92E 0 4.0b,4.0
NEIC VII 05 19 06 05.9–2.1 28.04N–.04 128.13E–.08 10–1 4.6b,4.0
GCMT VII 05 19 06 09.3–.30 28.14N–.02 128.07E–.02 12 4.8W,4.0
GFZ VII 05 19 06 10.3–.63 28N–8.0 129E–9.0 75–6 4.3b,4.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-0.11 $M_{r\theta}$-0.15 $M_{\theta\phi}$1.21 $M_{\phi r}$0.67 NP1:ϕ_s92.00000°,δ62.00000°,λ-12.00000°. NP2:ϕ_s188.00000°,δ79.00000°,λ-151.00000°. M_o1.43000×10^{16}
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107051906A. Moment Tensor Solution. s16,c19; s97,c137; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.00±.06 $M_{\theta\theta}$0.46±.06; $M_{\phi\phi}$-0.46±.06; $M_{r\theta}$0.59±.18; $M_{\theta\phi}$1.69±.04; $M_{\phi r}$0.01±.17; Best double couple: NP1:ϕ_s7.00000°,δ72.00000°,λ178.00000°. NP2:ϕ_s98.00000°,δ88.00000°,λ18.00000°. Principal axes: T 1.8740,Plg15.0000°,Azm324.0000°; N -0.0470,Plg71.0000°,Azm104.0000°; P -1.8270,Plg11.0000°,Azm231.0000° M_o1.85000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 05 22 30 19.0–.71 28.07N–.03 128.13E–.04 14–4 4.1b,3.7s 72 1-99
IDC VII 05 22 30 17.3–.79 28.06N 127.78E 0 3.9,3.8b **¶626141376**
NIED VII 05 22 30 17.9 28.14N 128.09E 17 4.5W,3.8b
JMA VII 05 22 30 17.9–.25 28.1N–.40 128.1E–.60 17–2 4.4,4.0
NEIC VII 05 22 30 18.1–1.7 27.98N–.05 127.9E–.10 10–1 4.3b,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.16 $M_{\theta\theta}$1.02 $M_{\phi\phi}$0.14 $M_{r\theta}$-0.03 $M_{\theta\phi}$4.55 $M_{\phi r}$2.96 NP1:ϕ_s90.00000°,δ56.00000°,λ-10.00000°. NP2:ϕ_s186.00000°,δ81.00000°,λ-145.00000°. M_o5.52000×10^{15}
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 06 09 34 18.2–.58 27.86N–.03 128.41E–.04 69–6 4.5b 174 0-99
IDC VII 06 09 34 12.7–.63 28.03N 127.87E 0 4.1,4.0b **¶620752022**
JMA VII 06 09 34 12.9–.29 28.1N–.50 128.1E–.60 7–2 4.7,4.4
NIED VII 06 09 34 12.9 28.14N 128.08E 7 4.5W,4.4
BJI VII 06 09 34 15.4 27.62N 128.58E 86 4.7b,4.5s
NEIC VII 06 09 34 19.5–1.0 27.74N–.06 128.41E–.08 83–6 4.6b,4.5s
GFZ VII 06 09 34 20.0–.31 28N–4.0 128E–4.0 84–5 4.5b,4.5
ISC Event type ke.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.35 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$2.92 $M_{r\theta}$0.14 $M_{\theta\phi}$7.02 $M_{\phi r}$0.73 NP1:ϕ_s83.00000°,δ84.00000°,λ-1.00000°. NP2:ϕ_s173.00000°,δ89.00000°,λ-174.00000°. M_o7.27000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 06 20 12 56.0–1.4 28.05N–.03 128.11E–.04 9–9 4.0b,3.6s 77 1-96
JMA VII 06 20 12 56.8–.42 28.1N–.80 128E–1.0 14–4 4.4,4.0 **¶626142190**
IDC VII 06 20 12 56.1–.65 27.98N 127.71E 0 3.8b,3.8
NIED VII 06 20 12 56.8 28.11N 128.12E 14 4.5W,3.8
NEIC VII 06 20 12 56.1–1.6 28.03N–.05 127.87E–.07 10–1 4.2b,3.8
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.78 $M_{\theta\theta}$0.42 $M_{\phi\phi}$1.36 $M_{r\theta}$-0.56 $M_{\theta\phi}$5.26 $M_{\phi r}$0.48 NP1:ϕ_s178.00000°,δ80.00000°,λ-170.00000°. NP2:ϕ_s86.00000°,δ80.00000°,λ-11.00000°. M_o5.38000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 06 20 58 32.3–1.5 28.06N–.04 128.15E–.05 10–10 3.9b,3.4s 38 1-87
JMA VII 06 20 58 31.0–.26 28.1N–.50 128.1E–.60 12–2 4.1,3.9 **¶620928059**
IDC VII 06 20 58 30.6–.70 28.03N 127.93E 0 3.7b,3.7
NIED VII 06 20 58 31.0 28.13N 128.09E 12 4.1W,3.7
ISC Event type ke.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=20.2km s-min=11.3km az=81.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.65 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$0.70 $M_{r\theta}$-0.13 $M_{\theta\phi}$1.62 $M_{\phi r}$-0.03 NP1:ϕ_s174.00000°,δ83.00000°,λ-176.00000°. NP2:ϕ_s83.00000°,δ87.00000°,λ-7.00000°. M_o1.67000×10^{15}
ISC VII 07 10 30 23.3–1.8 28.08N–.04 128.13E–.06 4–12 3.6b,3.0s 25 1-76
JMA VII 07 10 30 23.2–.26 28.2N–.40 128.1E–.60 15–2 3.3,3.0s **¶620928106**

IDC VII 07 10 30 24.3–.91 28.19N 127.77E 0 3.6b,3.6
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=32.0km s-min=14.2km az=86.0.
ISC VII 07 14 55 35.7–.65 28.02N–.03 128.14E–.03 24–4 4.5b,4.0s 228 1-99
BJI VII 07 14 55 31.7 27.72N 128.49E 35 4.8s,4.7b **¶620758698**
NEIC VII 07 14 55 33.8–1.1 28.05N–.04 128.07E–.07 10–1 4.6b,4.7b
JMA VII 07 14 55 33.2–.25 28.1N–.40 128.1E–.60 14–2 4.8,4.7W
IDC VII 07 14 55 33.0–.53 28.04N 127.91E 0 4.2,4.1b
NIED VII 07 14 55 33.2 28.14N 128.09E 14 4.7W,4.1b
GCMT VII 07 14 55 36.6–.30 28.16N–.01 128.11E–.02 15–1 4.8W,4.1b
GFZ VII 07 14 55 36.8–.17 28N–2.0 128E–2.0 31 4.6b,4.5
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$0.44 $M_{r\theta}$-0.10 $M_{\theta\phi}$1.05 $M_{\phi r}$0.02 NP1:ϕ_s173.00000°,δ82.00000°,λ-174.00000°. NP2:ϕ_s83.00000° ,δ85.00000°,λ-8.00000°. M_o1.09000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107071455A. Moment Tensor Solution. s13,c15; s98,c144; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.40±.07 $M_{\theta\theta}$0.17±.07; $M_{\phi\phi}$0.22±.06; $M_{r\theta}$0.38±.20; $M_{\theta\phi}$1.62±.05; $M_{\phi r}$0.45±.19; Best double couple: NP1:ϕ_s90.00000°,δ78.00000° ,λ8.00000°. NP2:ϕ_s359.00000°,δ82.00000°,λ168.00000°. Principal axes: T 1.9640,Plg14.0000°,Azm314.0000°; N -0.5430,Plg76.0000°,Azm147.0000° ; P -1.4230,Plg3.0000°,Azm45.0000° M_o1.69300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 10 18 49 12.3–.96 28.02N–.03 128.15E–.04 13–6 4.3b,3.8s 91 1-99
NIED VII 10 18 49 10.9 28.16N 128.09E 10 4.5W,3.8s **¶620928375**
JMA VII 10 18 49 10.9–.28 28.2N–.50 128.1E–.70 10–2 4.5,4.2
NEIC VII 10 18 49 11.5–1.6 27.94N–.05 128.18E–.03 10–1 4.6b,4.2
IDC VII 10 18 49 11.1–.69 28.01N 127.92E 0 4.1b,4.1
BJI VII 10 18 49 15.6 28.07N 128.11E 46 4.6b,4.5s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.26 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$2.29 $M_{r\theta}$-0.39 $M_{\theta\phi}$5.92 $M_{\phi r}$-0.09 NP1:ϕ_s175.00000°,δ85.00000°,λ-178.00000°. NP2:ϕ_s84.00000° ,δ88.00000°,λ-5.00000°. M_o6.05000×10^{15}
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=3.6km az=336.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=11.7km az=76.0.
ISC VII 10 20 33 28.9–1.5 28.06N–.04 128.16E–.06 15–10 3.6b,3.5s 34 1-87
NIED VII 10 20 33 27.5 28.14N 128.10E 11 4.2W,3.5s **¶620928378**
JMA VII 10 20 33 27.5–.20 28.1N–.30 128.1E–.50 11–2 4.1,3.6
IDC VII 10 20 33 27.4–.94 28.04N 127.93E 0 3.6b,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.36 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$0.56 $M_{r\theta}$-0.43 $M_{\theta\phi}$1.85 $M_{\phi r}$-0.95 NP1:ϕ_s266.00000°,δ66.00000°,λ5.00000°. NP2:ϕ_s174.00000° ,δ85.00000°,λ156.00000°. M_o2.10000×10^{15}
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=23.1km s-min=13.7km az=83.0.
ISC VII 11 02 34 11.6–.68 28.06N–.03 128.13E–.04 13–4 4.5s,4.5b 163 1-93
BJI VII 11 02 34 07.4 27.66N 128.07E 10 4.9b,4.5s **¶620787425**
IDC VII 11 02 34 09.7–.54 28.05N 128.02E 0 4.3s,4.1b
JMA VII 11 02 34 09.7–.35 28.1N–.60 128.1E–.80 10–3 4.7,4.5
NIED VII 11 02 34 09.7 28.13N 128.10E 10 4.8W,4.5
NEIC VII 11 02 34 11.3–2.2 28.00N–.03 128.09E–.08 10–1 4.5b,4.5
GFZ VII 11 02 34 11.6–.18 28N–3.0 128E–3.0 10 5.1,4.7b
GCMT VII 11 02 34 15.7–.30 28.18N–.02 128.05E–.02 12 4.8W,4.7b
ISC Event type ke.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.49 $M_{\theta\theta}$0.29 $M_{\phi\phi}$0.20 $M_{r\theta}$-0.14 $M_{\theta\phi}$1.24 $M_{\phi r}$0.97 NP1:ϕ_s86.00000°,δ51.00000°,λ-17.00000°. NP2:ϕ_s187.00000° ,δ77.00000°,λ-139.00000°. M_o1.64000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107110234A. Moment Tensor Solution. s10,c10; s89,c124; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.07 $M_{\theta\theta}$0.41±.08; $M_{\phi\phi}$-0.24±.07; $M_{r\theta}$0.70±.20; $M_{\theta\phi}$1.74±.05; $M_{\phi r}$0.34±.20; Best double couple: NP1:ϕ_s4.00000°,δ71.00000° ,λ172.00000°. NP2:ϕ_s96.00000°,δ82.00000°,λ19.00000°. Principal axes: T 2.1100,Plg19.0000°,Azm321.0000°; N -0.3970,Plg70.0000°,Azm117.0000° ; P -1.7130,Plg8.0000°,Azm229.0000° M_o1.91100×10^{16}
JMA VII 14 17 17 30.8–.16 26.2N–.80 126.6E–.70 56–1 2.1
¶626149554
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC VII 16 17 17 30.7–1.5 25.07N–.05 127.02E–.05 9–9 4.1b,3.3s 77 1-80
NEIC VII 16 17 17 30.6–2.4 25.06N–.07 127.06E–.07 10–1 4.3b,3.3s **¶620928721**
IDC VII 16 17 17 31.0–.76 25.14N 126.80E 0 3.9b,3.9
NIED VII 16 17 17 35.0 25.19N 126.94E 74 4.1W,3.9
JMA VII 16 17 17 35.0–.15 25N–1.0 126.9E–.80 74–4 3.5,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.01 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$0.26 $M_{r\theta}$1.15 $M_{\theta\phi}$-0.74 $M_{\phi r}$1.18 NP1:ϕ_s289.00000°,δ16.00000°,λ162.00000°. NP2:ϕ_s36.00000° ,δ85.00000°,λ75.00000°. M_o1.72000×10^{15}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC VII 17 03 50 32.7–1.6 28.08N–.05 128.11E–.06 12–11 3.7b,3.1s 30 1-63
IDC VII 17 03 50 30.8–.79 28.07N 127.96E 0 3.6b,3.6 **¶620928748**
NIED VII 17 03 50 32.4 28.13N 128.11E 13 4.1W,3.6
JMA VII 17 03 50 32.4–.17 28.1N–.30 128.1E–.40 13–1 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.17 $M_{\theta\theta}$0.68 $M_{\phi\phi}$0.49 $M_{r\theta}$0.10 $M_{\theta\phi}$1.15 $M_{\phi r}$0.02 NP1:ϕ_s42.00000°,δ44.00000°,λ-98.00000°. NP2:ϕ_s233.00000° ,δ47.00000°,λ-83.00000°. M_o1.46000×10^{15}
JMA Event type fe. NW OFF OKINAWAJIMA IS .
ISC VII 19 23 03 38.3–.44 26.58N–.03 129.89E–.03 17–2 5.1b,4.7s 870 1-151
BJI VII 19 23 03 34.0 26.47N 130.03E 13 4.9b,4.8b **¶620834062**
MOS VII 19 23 03 35.8–.88 26.63N 129.88E 12 5.4b,4.7s
NEIC VII 19 23 03 37.0–1.6 26.55N–.06 129.89E–.04 10–1 5.2b,4.7s
IDC VII 19 23 03 36.2–.46 26.69N 129.88E 0 4.9b,4.9
NEIC VII 19 23 03 37 26.56N 129.89E 10 4.9b,4.9
GFZ VII 19 23 03 37.8–.29 27N–4.0 130E–3.0 10 5.0b,4.8
NIED VII 19 23 03 38.9 26.62N 129.88E 47 4.8W,4.8
JMA VII 19 23 03 38.9–.10 26.6N–.70 129.9E–.50 47 4.9W,4.8
GFZ VII 19 23 03 38.2 26.55N 129.84E 21 4.9W,4.8
GCMT VII 19 23 03 40.5–.40 26.57N–.03 129.78E–.03 12 4.9W,4.8
NEIC VII 19 23 03 42.8 26.36N 130.11E 16 4.9,4.8
ISC Event type ke.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=108.1.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.1km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.0km s-min=10.5km az=78.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.44 $M_{\theta\theta}$0.99 $M_{\phi\phi}$0.45 $M_{r\theta}$0.26 $M_{\theta\phi}$1.08 $M_{\phi r}$-0.28 NP1:ϕ_s35.00000°,δ47.00000°,λ-115.00000°. NP2:ϕ_s249.00000° ,δ48.00000°,λ-65.00000°. M_o1.70000×10^{16}
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.30 $M_{\theta\theta}$1.67 $M_{\phi\phi}$1.64 $M_{r\theta}$0.16 $M_{\theta\phi}$1.46 $M_{\phi r}$0.16 NP1: ϕ_s45.22782°,δ42.98602°,λ-90.05014°. NP2:ϕ_s225.29637°,δ47.01400°,λ-89.95327°. Principal axes: T 3.1237,Plg2.0140°,Azm315.2633°; N 0.1875,Plg0.0342°,Azm45.2645° ; P -3.3112,Plg87.9857°,Azm136.2366° M_o3.22156×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107192303A. Moment Tensor Solution. s23,c30; s69,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.13 $M_{\theta\theta}$0.94±.12; $M_{\phi\phi}$1.15±.11; $M_{r\theta}$-1.35±.36; $M_{\theta\phi}$1.67±.09; $M_{\phi r}$1.51±.36; Best double couple: NP1:ϕ_s72.00000°,δ52.00000° ,λ-44.00000°. NP2:ϕ_s193.00000°,δ57.00000°,λ-133.00000°. Principal axes: T 2.7290,Plg3.0000°,Azm312.0000°; N 0.7800,Plg35.0000°,Azm220.0000° ; P -3.5140,Plg55.0000°,Azm46.0000° M_o3.12200×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.25 $M_{\theta\theta}$0.59 $M_{\phi\phi}$1.65 $M_{r\theta}$-1.99 $M_{\theta\phi}$1.55 $M_{\phi r}$-0.53 NP1:ϕ_s192.05000°,δ33.63000° ,λ-132.05000°. NP2:ϕ_s59.34000°,δ65.71000°,λ-65.98000°. Principal axes: T 3.2545,Plg17.0000°,Azm132.0000°; N 0.0275,Plg22.0000°,Azm229.0000° ; P -3.2819,Plg62.0000°,Azm7.0000° M_o3.27000×10^{16}
JMA VII 19 09 14 05.9–.23 28.1N–.40 128.1E–.50 12–2 3.5
NIED VII 19 09 14 05.9 28.14N 128.07E 12 3.9W **¶620970674**
JMA Event type ke. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.58 $M_{\theta\theta}$1.63 $M_{\phi\phi}$-0.05 $M_{r\theta}$-2.83 $M_{\theta\phi}$5.30 $M_{\phi r}$4.43 NP1:ϕ_s87.00000°,δ59.00000°,λ-23.00000°. NP2:ϕ_s189.00000° ,δ71.00000°,λ-146.00000°. M_o7.39000×10^{14}
ISC VII 20 04 58 36.5–.45 28.06N–.04 129.56E–.05 39–2 4.4b,3.2s 141 0-92
JMA VII 20 04 58 36.7–.23 28N–1.0 129.5E–.80 34–2 4.2,4.1 **¶620834134**
NIED VII 20 04 58 36.7 28.11N 129.52E 34 4.2W,4.1
NEIC VII 20 04 58 36.9–1.4 28.04N–.06 129.58E–.05 40–6 4.5b,4.1
IDC VII 20 04 58 38.2–1.3 28.11N 129.44E 52–11 4.2,3.9b
ISC Event type ke.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.41 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-0.74 $M_{r\theta}$1.48 $M_{\theta\phi}$-0.65 $M_{\phi r}$0.54 NP1:ϕ_s210.00000°,δ24.00000°,λ60.00000°. NP2:ϕ_s62.00000° ,δ70.00000°,λ102.00000°. M_o2.09000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.9km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=7.8km az=116.0.
ISC VII 20 13 33 56.5–1.2 25.82N–.04 128.41E–.04 15–7 4.3b,3.7s 117 1-86
IDC VII 20 13 33 54.9–.80 25.84N 128.20E 0 4.0b,4.0 **¶620837791**
NEIC VII 20 13 33 56.1–1.6 25.81N–.05 128.40E–.06 10–1 4.4b,4.0
BJI VII 20 13 33 57.5 26.02N 127.97E 10 4.8b,4.4b
JMA VII 20 13 33 58.3–.32 26N–1.0 128E–1.0 45–3 3.7,4.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC VIII 01 07 53 18.6–.88 26.78N–.04 128.45E–.05 35–3 4.3b,3.4s 82 0-82
IDC VIII 01 07 53 13.9–.86 26.77N 128.20E 0 4.0b,4.0 **¶620925420**
NEIC VIII 01 07 53 18.3–1.5 26.69N–.07 128.46E–.07 32–4 4.4b,4.0
NIED VIII 01 07 53 19.3 26.79N 128.42E 31 4.1W,4.0
JMA VIII 01 07 53 19.3–.11 26.8N–.40 128.4E–.60 31–0 4.1,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.28 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.83 $M_{\theta\phi}$-0.69 $M_{\phi r}$0.87 NP1:ϕ_s173.00000°,δ20.00000°,λ33.00000°. NP2:ϕ_s51.00000° ,δ79.00000°,λ107.00000°. M_o1.36000×10^{15}
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
ISC VIII 14 11 54 00.3–1.3 26.32N–.04 128.85E–.03 24–10 4.1b 73 1-90
IDC VIII 14 11 53 57.0–.86 26.65N 129.29E 0 3.9b,3.8L **¶621013486**
NEIC VIII 14 11 53 58.6–.79 26.28N–.07 128.76E–.06 10–1 4.2b,3.8L
NIED VIII 14 11 54 02.1 26.37N 128.78E 38 4.2W,3.8L
JMA VIII 14 11 54 02.1–.23 26.4N–.70 129E–1.0 38–3 3.8,3.8L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.72 $M_{\theta\theta}$-0.97 $M_{\phi\phi}$0.26 $M_{r\theta}$0.67 $M_{\theta\phi}$1.78 $M_{\phi r}$-0.01 NP1:ϕ_s350.00000°,δ66.00000°,λ171.00000°. NP2:ϕ_s83.00000° ,δ81.00000°,λ24.00000°. M_o2.02000×10^{15}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC VIII 02 17 41 09.4–.89 26.94N–.05 127.48E–.05 110–7 3.5b 44 0-76
IDC VIII 02 17 41 08.6–1.5 26.78N 127.56E 109–49 3.7,3.4b **¶620993255**
JMA VIII 02 17 41 10.1–.23 27N–1.0 127.3E–.90 91–2 3.8,3.4b
ISC Event type ke.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
ISC VIII 05 17 58 43.3–1.6 26.98N–.04 127.03E–.04 18–7 3.7b,3.0s 34 0-78
IDC VIII 05 17 58 40.4–.81 26.92N 126.96E 0 3.7b,3.7 **¶620998824**
NIED VIII 05 17 58 42.4 27.02N 126.96E 21 4.0W,3.7
JMA VIII 05 17 58 42.4–.21 27.0N–.70 127.0E–.60 21–2 3.6,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.89 $M_{\theta\theta}$0.30 $M_{\phi\phi}$0.59 $M_{r\theta}$0.30 $M_{\theta\phi}$0.68 $M_{\phi r}$-0.21 NP1:ϕ_s16.00000°,δ49.00000°,λ-123.00000°. NP2:ϕ_s242.00000° ,δ51.00000°,λ-58.00000°. M_o1.10000×10^{15}
JMA Event type ke. NW OFF OKINAWAJIMA IS .
ISC VIII 21 20 01 32.9–1.1 29.44N–.05 130.83E–.10 40–11 3.4b 27 1-71
JMA VIII 21 20 01 31.9–.11 29.4N–.50 130.9E–.70 51–2 3.2 **¶621043017**
IDC VIII 21 20 01 56.2–10 29.06N 129.70E 242–115 3.6,2.9b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=50.2km s-min=17.1km az=63.0.
ISC VIII 24 19 38 03.8–.50 27.42N–.02 129.40E–.03 14–2 5.0b,4.3s 778 1-117
BJI VIII 24 19 37 58.9 27.07N 129.59E 10 4.9b,4.7s **¶621002267**
MOS VIII 24 19 38 02.7–1.1 27.46N 129.26E 12 5.1b,5.0s
IDC VIII 24 19 38 02.3–.43 27.46N 129.33E 0 4.7b,4.6
NEIC VIII 24 19 38 03.4–1.2 27.43N–.05 129.42E–.05 10–1 5.1b,4.6
GFZ VIII 24 19 38 05.7–.23 27N–3.0 129E–3.0 10 5.0b,4.6
JMA VIII 24 19 38 07.2–.17 27.5N–.70 129.3E–.90 31–2 4.9,4.6
NIED VIII 24 19 38 07.2 27.46N 129.32E 31 4.8W,4.6
GCMT VIII 24 19 38 09.4–.30 27.34N–.02 129.40E–.03 28–0 4.9W,4.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.12 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.00 $M_{r\theta}$0.64 $M_{\theta\phi}$-1.14 $M_{\phi r}$0.51 NP1:ϕ_s194.00000°,δ34.00000°,λ59.00000°. NP2:ϕ_s50.00000° ,δ61.00000°,λ109.00000°. M_o1.69000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108241938A. Moment Tensor Solution. s45,c62; s77,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.15±.11 $M_{\theta\theta}$-0.57±.07; $M_{\phi\phi}$-1.58±.08; $M_{r\theta}$1.32±.13; $M_{\theta\phi}$-1.15±.05; $M_{\phi r}$1.42±.12; Best double couple: NP1:ϕ_s206.00000°,δ25.00000° ,λ77.00000°. NP2:ϕ_s40.00000°,δ66.00000°,λ96.00000°. Principal axes: T 2.8890,Plg69.0000°,Azm321.0000°; N 0.1470,Plg5.0000°,Azm217.0000° ; P -3.0400,Plg20.0000°,Azm125.0000° M_o2.96500×10^{16}
ISC VIII 25 14 43 14.8–1.3 27.29N–.03 128.91E–.04 17–9 3.7b 38 0-89
IDC VIII 25 14 43 12.2–2.0 27.36N 128.90E 0 3.7b,3.7 **¶621058944**
JMA VIII 25 14 43 17.1–.07 27.3N–.50 128.9E–.90 30–1 3.3,3.7
ISC Event type ke.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
ISC IX 10 02 01 27.3–1.9 26.19N–.04 128.70E–.04 17–11 4.5b,3.8s 163 1-89
BJI IX 10 02 01 23.2 26.13N 128.68E 6 4.6b,4.5b **¶621108477**
IDC IX 10 02 01 24.8–.70 26.19N 128.62E 0 4.2b,4.2
NEIC IX 10 02 01 26.2–2.0 26.09N–.05 128.66E–.07 10–1 4.7b,4.2
NIED IX 10 02 01 28.2 26.20N 128.72E 36 4.3W,4.2
JMA IX 10 02 01 28.2–.24 26.2N–.70 128.7E–1.0 36–3 4.2,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.80 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$-1.41 $M_{r\theta}$0.99 $M_{\theta\phi}$-1.90 $M_{\phi r}$0.85 NP1:ϕ_s201.00000°,δ33.00000°,λ66.00000°. NP2:ϕ_s49.00000° ,δ61.00000°,λ104.00000°. M_o2.69000×10^{15}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC VIII 29 16 02 25.9–.93 28.72N–.05 128.67E–.07 152–7 3.3b 32 1-62
IDC VIII 29 16 01 51.6–20 26.05N 129.32E 0 3.5b,3.5 **¶621073189**
JMA VIII 29 16 02 26.8–.23 28.8N–.90 129E–2.0 140–2 3.2,3.5

ISC Event type se.
JMA Event type ke. NEAR TOKARA ISLANDS .
ISC IX 09 06 44 54.2–1.7 26.11N–.05 128.74E–.04 17–10 4.4b 82 1-80
NEIC IX 09 06 44 53.1–1.7 26.06N–.05 128.74E–.06 10–1 4.5b **¶621105853**
NIED IX 09 06 44 55.6 26.16N 128.80E 31 4.2W
JMA IX 09 06 44 55.6–.29 26.2N–.70 129E–1.0 31–4 4.2,3.8
IDC IX 09 06 44 58.1–2.8 26.22N 128.68E 37–23 4.0,3.9b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.1km az=228.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.78 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$-1.17 $M_{r\theta}$0.77 $M_{\theta\phi}$-1.61 $M_{\phi r}$0.61 NP1:ϕ_s210.00000°,δ34.00000°,λ75.00000°. NP2:ϕ_s48.00000° ,δ58.00000°,λ100.00000°. M_o2.37000×10^{15}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
IDC Error ellipse: s-maj=24.3km s-min=16.1km az=57.0.
ISC VIII 28 21 58 39.3–.46 25.06N–.05 127.05E–.04 28 4.3b,3.6s 134 1-115
IDC VIII 28 21 58 36.5–.66 25.10N 126.67E 0 4.1b,4.1 **¶621009880**
NEIC VIII 28 21 58 37.6–1.2 25.22N–.05 127.05E–.07 10–1 4.5b,4.1
NIED VIII 28 21 58 40.1 25.16N 126.95E 71 4.4W,4.1
JMA VIII 28 21 58 40.1–.14 25.2N–.90 127.0E–.90 71 4.4,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.08 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$0.73 $M_{r\theta}$3.31 $M_{\theta\phi}$-1.85 $M_{\phi r}$3.36 NP1:ϕ_s290.00000°,δ13.00000°,λ161.00000°. NP2:ϕ_s39.00000° ,δ86.00000°,λ78.00000°. M_o4.87000×10^{15}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC VIII 28 22 36 00.8–.50 25.07N–.05 127.09E–.04 28 4.3b,3.7s 93 1-96
IDC VIII 28 22 35 57.8–.65 25.13N 126.74E 0 4.1b,4.0 **¶621024210**
NEIC VIII 28 22 35 58.9–1.4 25.16N–.07 127.06E–.07 10–1 4.5b,4.0
NIED VIII 28 22 36 01.6 25.16N 126.95E 75 4.3W,4.0
JMA VIII 28 22 36 01.6–.13 25.2N–.90 127.0E–.70 75–3 4.5,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.14 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$0.72 $M_{r\theta}$2.18 $M_{\theta\phi}$-1.76 $M_{\phi r}$2.56 NP1:ϕ_s293.00000°,δ25.00000°,λ176.00000°. NP2:ϕ_s26.00000° ,δ88.00000°,λ65.00000°. M_o3.63000×10^{15}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC IX 05 03 25 53.3–1.6 26.15N–.05 128.75E–.05 17–9 4.0b 60 1-86
IDC IX 05 03 25 51.1–.85 26.18N 128.63E 0 3.9b,3.9 **¶621086377**
NEIC IX 05 03 25 52.4–1.9 26.14N–.06 128.63E–.05 10–1 4.5b,3.9
JMA IX 05 03 25 55.0–.26 26.2N–.80 129E–1.0 39–3 3.4,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC IX 30 05 16 25.2–.89 27.90N–.10 129.0E–.10 48–8 3.8b 16 0-72
IDC IX 30 05 16 16.7–1.1 28.18N 129.68E 0 3.7b,3.7 **¶621147742**
JMA IX 30 05 16 25.7–.06 27.9N–.60 129.0E–.90 45–0 3.5,3.7
ISC Event type ke.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
ISC IX 19 20 20 59.5–.68 27.40N–.05 127.46E–.06 135–6 3.5b 54 1-78
IDC IX 19 20 20 58.5–.71 27.32N 127.28E 123–9 3.7,3.4b **¶621113641**
NIED IX 19 20 21 00.3 27.52N 127.36E 116 3.9W,3.4b
JMA IX 19 20 21 00.3–.32 28N–2.0 127E–2.0 116–4 4.1,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.33 $M_{\theta\theta}$2.16 $M_{\phi\phi}$3.17 $M_{r\theta}$-2.03 $M_{\theta\phi}$-6.59 $M_{\phi r}$1.72 NP1:ϕ_s328.00000°,δ36.00000°,λ-74.00000°. NP2:ϕ_s129.00000° ,δ56.00000°,λ-101.00000°. M_o7.79000×10^{14}
JMA Event type ke. NW OFF OKINAWAJIMA IS .
ISC IX 29 10 53 39.3–.72 27.83N–.04 129.01E–.05 48–6 4.0b 73 0-91
NIED IX 29 10 53 39.3 27.90N 128.95E 45 4.3W **¶621146120**
NEIC IX 29 10 53 40.0–1.1 27.83N–.05 128.95E–.06 50–9 4.5b
JMA IX 29 10 53 39.3–.07 27.9N–.60 129.0E–.90 45–0 3.9,3.8
IDC IX 29 10 53 40.7–.94 27.84N 128.85E 62–10 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.18 $M_{\theta\theta}$0.30 $M_{\phi\phi}$-2.48 $M_{r\theta}$-1.10 $M_{\theta\phi}$-0.27 $M_{\phi r}$-1.78 NP1:ϕ_s347.00000°,δ28.00000°,λ58.00000°. NP2:ϕ_s203.00000° ,δ67.00000°,λ106.00000°. M_o3.15000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=7.7km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=17.9km s-min=9.4km az=106.0.
ISC IX 29 22 14 41.6–.60 27.69N–.04 127.74E–.05 138–5 4.2b 99 1-93
IDC IX 29 22 14 40.8–.59 27.73N 127.60E 128–7 3.9,3.5b **¶621113109**
NEIC IX 29 22 14 41.7–1.1 27.71N–.08 127.66E–.09 135–7 4.4b,3.5b
JMA IX 29 22 14 42.3–.19 28N–1.0 128E–1.0 120–3 4.0,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
ISC X 09 10 11 46.8–.92 27.26N–.03 128.95E–.04 32–6 4.2b,2.9s 84 0-80
NEIC X 09 10 11 48.3–1.3 27.18N–.08 128.94E–.05 48–8 4.3b,2.9s **¶621235321**
JMA X 09 10 11 48.2–.07 27.3N–.60 129E–1.0 33–1 3.9,3.8
NIED X 09 10 11 48.2 27.34N 128.86E 33 4.0W,3.8
IDC X 09 10 11 48.9–1.3 27.30N 128.70E 40–10 4.0,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.1km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.33 $M_{\theta\theta}$0.45 $M_{\phi\phi}$2.88 $M_{r\theta}$3.03 $M_{\theta\phi}$-2.56 $M_{\phi r}$8.76 NP1:ϕ_s306.00000°,δ19.00000°,λ-154.00000°. NP2:ϕ_s192.00000° ,δ82.00000°,λ-73.00000°. M_o9.99000×10^{14}
IDC Error ellipse: s-maj=24.6km s-min=11.5km az=105.0.
ISC X 03 09 06 42.7–1.5 25.23N–.09 126.02E–.07 26–12 3.8b 33 1-76
IDC X 03 09 06 38.6–.92 25.15N 125.75E 0 3.7b,3.7 **¶621186123**
NIED X 03 09 06 43.0 25.25N 126.02E 48 4.1W,3.7
JMA X 03 09 06 43.0–.11 25N–1.0 126E–1.0 48–4 4.1,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.13 $M_{\theta\theta}$-0.97 $M_{\phi\phi}$0.84 $M_{r\theta}$0.70 $M_{\theta\phi}$-1.15 $M_{\phi r}$0.70 NP1:ϕ_s292.00000°,δ60.00000°,λ-174.00000°. NP2:ϕ_s199.00000° ,δ85.00000°,λ-30.00000°. M_o1.72000×10^{15}
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC X 01 13 33 24.5–.48 26.78N–.04 128.63E–.04 35–2 4.3b 79 0-79
IDC X 01 13 33 20.0–.69 26.88N 128.42E 0 4.1b,4.1 **¶621147829**
NEIC X 01 13 33 24.6–1.3 26.77N–.06 128.60E–.05 35–2 4.5b,4.1
NIED X 01 13 33 26.0 26.80N 128.59E 37 3.9W,4.1
JMA X 01 13 33 26.0–.11 26.8N–.40 128.6E–.70 37–0 3.9,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.41 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$0.27 $M_{r\theta}$2.78 $M_{\theta\phi}$6.77 $M_{\phi r}$4.65 NP1:ϕ_s93.00000°,δ60.00000°,λ14.00000°. NP2:ϕ_s356.00000° ,δ78.00000°,λ150.00000°. M_o8.43000×10^{14}
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
JMA X 01 15 33 05.6–.09 27.0N–.40 130.0E–.50 53 4.0
NIED X 01 15 33 05.6 27.04N 129.96E 53 3.9W **¶621395300**
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.83 $M_{\theta\theta}$1.89 $M_{\phi\phi}$1.94 $M_{r\theta}$2.94 $M_{\theta\phi}$5.66 $M_{\phi r}$3.80 NP1:ϕ_s68.00000°,δ28.00000°,λ-58.00000°. NP2:ϕ_s212.00000° ,δ67.00000°,λ-106.00000°. M_o7.51000×10^{14}
ISC X 10 03 45 40.3–1.0 26.30N–.08 127.36E–.04 48–8 3.6b 26 0-72
IDC X 10 03 45 39.0–1.2 27.51N 127.65E 0 3.8b,3.8 **¶621235366**
JMA X 10 03 45 40.6–.20 26.3N–.70 127.4E–.60 44–1 3.2,3.8
ISC Event type ke.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
ISC X 12 03 35 44.5–.74 25.38N–.05 126.47E–.05 40–6 4.8b,3.8s 264 1-92
BJI X 12 03 35 42.6 25.29N 126.35E 35 4.5b,4.2s **¶621146148**
NEIC X 12 03 35 43.1–1.4 25.46N–.08 126.52E–.07 27–3 4.9b,4.2s
GFZ X 12 03 35 43.8–.31 25N–5.0 127E–4.0 45 5.7b,5.2
NIED X 12 03 35 44.9 25.48N 126.42E 57 4.5W,5.2
JMA X 12 03 35 44.9–.09 25N–1.0 126E–1.0 57 4.3,5.2
IDC X 12 03 35 45.5–2.2 25.44N 126.37E 47–20 4.4,4.3b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.1km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.83 $M_{\theta\theta}$-3.12 $M_{\phi\phi}$-0.71 $M_{r\theta}$3.84 $M_{\theta\phi}$-3.03 $M_{\phi r}$3.95 NP1:ϕ_s252.00000°,δ21.00000°,λ115.00000°. NP2:ϕ_s45.00000° ,δ71.00000°,λ81.00000°. M_o7.14000×10^{15}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
IDC Error ellipse: s-maj=17.6km s-min=15.4km az=59.0.
ISC X 16 20 19 53.4–2.8 27.58N–.06 129.47E–.08 26–20 3.6b,3.5s 31 1-85
IDC X 16 20 19 49.4–1.1 27.71N 129.60E 0 3.7b,3.7 **¶621242142**
JMA X 16 20 19 54.0–.19 27.5N–.60 129.5E–.80 28 3.6,3.7
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC X 12 05 15 01.6–1.3 25.6N–.10 126.2E–.10 40–13 3.6b 21 1-46
IDC X 12 05 14 41.4–49 24.07N 127.23E 0 3.8b,3.8 **¶621236924**
JMA X 12 05 15 00.2–.12 26N–2.0 126E–2.0 63 3.2,3.8
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC X 15 16 46 02.7–1.6 26.16N–.05 128.48E–.04 12–10 3.5b 26 1-73
IDC X 15 16 46 01.3–2.5 26.26N 128.46E 0 3.6b,3.6 **¶621242072**
JMA X 15 16 46 06.3–.37 26N–1.0 128E–2.0 27–3 3.3,3.6
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC X 15 17 50 14.2–.85 27.34N–.06 128.29E–.07 57–8 3.5b 30 0-51
IDC X 15 17 50 13.9–.94 27.27N 128.22E 52–9 3.6,3.3b **¶621242075**
JMA X 15 17 50 14.4–.15 27.3N–.60 128.3E–.70 57–1 3.3,3.3b
ISC Event type ke.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
ISC X 15 18 33 59.0–.62 26.18N–.06 128.42E–.06 27 4.2b,3.6s 62 0-94
IDC X 15 18 33 55.4–.98 26.21N 128.35E 0 3.8b,3.8 **¶621242078**
NEIC X 15 18 33 56.9–1.4 26.19N–.02 128.35E–.08 10–1 4.5b,3.8
JMA X 15 18 34 00.3–.22 26.2N–.60 128E–1.0 22–3 3.5,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
JMA X 15 18 34 15.4–.31 26.3N–.80 128E–1.0 19–4 3.9
NIED X 15 18 34 15.4 26.25N 128.37E 19 4.0W **¶626635300**
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.52 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.84 $M_{\theta\phi}$-0.21 $M_{\phi r}$0.67 NP1:ϕ_s257.00000°,δ14.00000°,λ113.00000°. NP2:ϕ_s53.00000° ,δ77.00000°,λ84.00000°. M_o1.19000×10^{15}
ISC X 17 05 16 00.5–.56 29.39N–.04 130.72E–.05 34 4.2b,3.8s 70 1-95
NEIC X 17 05 16 00.8–.59 29.41N–.04 130.71E–.07 34–6 4.5b,3.8s **¶621242871**
IDC X 17 05 16 00.9–1.1 29.74N 129.93E 0 4.0b,3.9
NIED X 17 05 16 00.5 29.43N 130.76E 32 4.5W,3.9
JMA X 17 05 16 00.5–.32 29.4N–.80 131E–1.0 32–4 3.7,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.54 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$-1.46 $M_{r\theta}$0.91 $M_{\theta\phi}$-2.72 $M_{\phi r}$4.77 NP1:ϕ_s254.00000°,δ26.00000°,λ146.00000°. NP2:ϕ_s15.00000° ,δ76.00000°,λ68.00000°. M_o5.98000×10^{15}
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC X 17 02 32 07.0–.66 29.44N–.03 130.72E–.04 26–4 5.0b,4.5s 489 1-147
BJI X 17 02 32 02.3 29.07N 131.06E 30 5.1b,5.0s **¶621204801**
IDC X 17 02 32 03.7–.47 29.58N 130.61E 0 4.5b,4.5
GFZ X 17 02 32 05.9–.22 29N–4.0 131E–4.0 10 6.1b,5.8
NEIC X 17 02 32 07.6–1.6 29.46N–.04 130.62E–.07 25–4 5.1b,5.8
NIED X 17 02 32 07.9 29.49N 130.70E 52 5.0W,5.8
JMA X 17 02 32 07.9–.09 29.5N–.40 130.7E–.60 52–2 5.0W,4.8
GCMT X 17 02 32 10.4–.30 29.41N–.02 130.59E–.02 31–0 5.0W,4.8
BGR X 17 02 32 11.0 29.22N 129.62E 30 5.0b,5.0s
ISC Event type ke.
IDC Error ellipse: s-maj=12.7km s-min=9.2km az=103.0.
GFZ Error ellipse: s-maj=9.5km s-min=6.2km az=126.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.1km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.11 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$-0.65 $M_{r\theta}$0.86 $M_{\theta\phi}$-1.49 $M_{\phi r}$3.29 NP1:ϕ_s257.00000°,δ25.00000°,λ141.00000°. NP2:ϕ_s23.00000° ,δ75.00000°,λ70.00000°. M_o4.15000×10^{16}
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110170232A. Moment Tensor Solution. s57,c93; s88,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.40±.16 $M_{\theta\theta}$-2.29±.12; $M_{\phi\phi}$-1.11±.12; $M_{r\theta}$1.06±.16; $M_{\theta\phi}$-2.26±.08; $M_{\phi r}$0.96±.17; Best double couple: NP1:ϕ_s235.00000°,δ35.00000° ,λ94.00000°. NP2:ϕ_s50.00000°,δ56.00000°,λ88.00000°. Principal axes: T 3.6690,Plg79.0000°,Azm311.0000°; N 0.6320,Plg2.0000°,Azm52.0000° ; P -4.3000,Plg11.0000°,Azm142.0000° M_o3.98400×10^{16}
BGR Event type ke.
JMA X 24 05 10 06.5–.30 28N–1.0 130E–1.0 27–2 1.5
¶626641293
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC X 29 06 07 29.4–.84 28.65N–.04 128.72E–.06 143–6 3.6b 47 1-62
IDC X 29 06 07 29.4–.86 28.62N 128.81E 140–10 3.7,3.3b **¶621391420**
JMA X 29 06 07 30.0–.23 28.7N–.80 129E–2.0 132–2 3.5,3.3b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
ISC X 25 20 51 20.3–1.7 27.87N–.03 130.20E–.05 15–11 3.9b 31 0-72
IDC X 25 20 51 18.6–1.1 27.94N 130.26E 0 3.8b,3.8 **¶621366444**
JMA X 25 20 51 20.7–.12 27.9N–.60 130.3E–.60 49–1 3.3,3.8
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC X 26 07 25 13.4–.96 25.56N–.06 127.00E–.04 76–8 4.0b 50 1-115
JMA X 26 07 25 14.5–.13 25.7N–.80 126.9E–.60 75–2 3.8 **¶621366462**
IDC X 26 07 25 22.4–1.8 27.09N 127.13E 90–23 3.9,3.7b
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
IDC Error ellipse: s-maj=48.1km s-min=15.1km az=59.0.
ISC XI 22 11 16 01.8–.98 29.28N–.04 130.41E–.06 48–9 4.0b,3.1s 65 1-77
NEIC XI 22 11 16 01.2–.86 29.32N–.05 130.41E–.08 37–8 4.2b,3.1s **¶621611907**
JMA XI 22 11 16 01.1–.12 29.3N–.50 130E–1.0 61–3 3.4,3.1s
IDC XI 22 11 16 11.9–3.5 29.98N 130.26E 97–33 3.8,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.1km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=37.8km s-min=22.8km az=66.0.
ISC XI 08 04 23 17.2–.62 26.75N–.07 126.53E–.07 35 4.1b,3.8s 39 0-98
NIED XI 08 04 23 10.4 26.95N 126.28E 29 4.2W,3.8s **¶621423071**
JMA XI 08 04 23 10.4–.37 27N–1.0 126E–1.0 29 3.5,3.8s
IDC XI 08 04 23 12.9–.85 26.84N 126.50E 0 3.9b,3.9
NEIC XI 08 04 23 14.2–1.4 26.8N–.10 126.58E–.04 10–1 4.2b,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.68 $M_{\theta\theta}$1.49 $M_{\phi\phi}$0.19 $M_{r\theta}$0.32 $M_{\theta\phi}$0.43 $M_{\phi r}$-0.97 NP1:ϕ_s51.00000°,δ50.00000°,λ-123.00000°. NP2:ϕ_s276.00000° ,δ50.00000°,λ-57.00000°. M_o1.89000×10^{15}
JMA Event type ke. NW OFF OKINAWAJIMA IS .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 04 11 22.5–.59 26.37N–.04 128.67E–.04 21–3 3.9b,3.0s 69 1-79
NEIC XI 19 04 11 22.1–1.8 26.28N–.05 128.56E–.07 18–5 4.3b,3.0s **¶621590265**
NIED XI 19 04 11 24.2 26.42N 128.62E 28 3.8W,3.0s
JMA XI 19 04 11 24.2–.19 26.4N–.60 128.6E–.80 28–2 3.7,3.0s
IDC XI 19 04 11 25.0–4.4 26.48N 128.64E 34–34 3.8L,3.8
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.1km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.36 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-1.30 $M_{r\theta}$2.62 $M_{\theta\phi}$4.80 $M_{\phi r}$0.31 NP1:ϕ_s1.00000°,δ60.00000°,λ167.00000°. NP2:ϕ_s97.00000° ,δ79.00000°,λ31.00000°. M_o5.62000×10^{14}
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
IDC Error ellipse: s-maj=33.4km s-min=18.4km az=59.0.
ISC XI 01 20 04 20.8–1.1 29.43N–.05 130.71E–.10 35 3.7s,3.5b 28 1-57
IDC XI 01 20 04 19.4–.97 29.73N 130.05E 0 3.7b,3.6 **¶621401300**
JMA XI 01 20 04 19.1–.23 29.4N–.70 130.8E–1.0 24 3.2,3.6
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC XI 17 06 42 16.4–.83 27.16N–.04 130.31E–.04 20–6 3.8b 37 1-73
JMA XI 17 06 42 17.0–.08 27.1N–.40 130.3E–.50 66 4.0 **¶621494192**
IDC XI 17 06 42 20.0–1.1 27.78N 129.62E 0 3.8b,3.8
ISC Event type ke.
JMA Event type ke. NEAR MINAMI-DAITOJIMA IS.
IDC Error ellipse: s-maj=27.5km s-min=12.6km az=106.0.
ISC X 30 22 17 07.8–.81 26.84N–.07 126.39E–.06 129–9 3.7b 44 1-60
IDC X 30 22 17 08.1–1.7 26.90N 126.54E 134–23 3.9,3.5b **¶621395203**
JMA X 30 22 17 08.1–.31 27N–2.0 126E–2.0 129–3 4.2,3.5b
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
ISC XI 05 20 56 41.7–1.6 26.27N–.05 128.69E–.04 15–9 4.2b,3.6s 130 1-89
NEIC XI 05 20 56 41.9–1.9 26.23N–.04 128.62E–.06 13–3 4.4b,3.6s **¶621370585**
IDC XI 05 20 56 42.2–.78 26.29N 128.00E 0 3.9b,3.9
NIED XI 05 20 56 45.0 26.38N 128.63E 23 4.2W,3.9
JMA XI 05 20 56 45.0–.25 26.4N–.70 128.6E–.90 23–3 4.0,3.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.53 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-1.62 $M_{r\theta}$1.63 $M_{\theta\phi}$-0.76 $M_{\phi r}$0.99 NP1:ϕ_s176.00000°,δ29.00000°,λ43.00000°. NP2:ϕ_s47.00000° ,δ71.00000°,λ112.00000°. M_o2.59000×10^{15}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC XI 08 02 12 55.7–.91 26.69N–.08 126.54E–.08 35 3.9b,2.7s 20 0-51
IDC XI 08 02 12 51.3–.88 26.87N 126.43E 0 3.8b,3.8 **¶621423068**
JMA XI 08 02 12 55.7–.29 27N–1.0 127E–1.0 29–3 2.9,3.8
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
ISC XI 12 15 58 04.3–1.4 28.30N–.04 128.19E–.04 9–9 3.6b,3.4s 39 1-68
IDC XI 12 15 58 03.4–.76 28.34N 127.92E 0 3.7b,3.7 **¶621460216**
NIED XI 12 15 58 03.6 28.38N 128.14E 12 4.1W,3.7
JMA XI 12 15 58 03.6–.27 28.4N–.40 128.1E–.60 12–2 4.1,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.16 $M_{\theta\theta}$0.22 $M_{\phi\phi}$0.94 $M_{r\theta}$-0.28 $M_{\theta\phi}$1.34 $M_{\phi r}$-0.44 NP1:ϕ_s224.00000°,δ36.00000°,λ-80.00000°. NP2:ϕ_s32.00000° ,δ54.00000°,λ-97.00000°. M_o1.65000×10^{15}
JMA Event type ke. NW OFF AMAMI-OSHIMA IS .
ISC XI 21 03 28 54.0–1.2 26.30N–.04 128.20E–.04 13–8 3.7b 32 0-50
IDC XI 21 03 28 50.5–1.8 26.76N 129.02E 0 3.6b,3.6 **¶621608891**
JMA XI 21 03 28 55.6–.09 26.4N–.40 128.1E–.60 17–1 3.3,3.6
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC XI 27 00 03 02.2–.63 26.51N–.04 128.81E–.04 20–4 4.1b,3.3s 57 1-77
IDC XI 27 00 02 59.2–1.3 26.63N 128.90E 0 4.1b,4.1 **¶621625101**
NEIC XI 27 00 03 03.4–1.5 26.6N–.10 128.75E–.08 25–6 4.4b,4.1
JMA XI 27 00 03 03.8–.36 26.6N–1.0 129E–1.0 21–4 3.7,3.5
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC XI 27 00 39 55.2–.70 26.17N–.07 126.13E–.05 117–7 4.0b 91 1-80
IDC XI 27 00 39 54.5–2.6 26.32N 126.05E 104–24 3.8,3.5b **¶621625103**
NEIC XI 27 00 39 55.3–.91 26.3N–.10 126.05E–.08 109–9 4.2b,3.5b
JMA XI 27 00 39 55.3–.22 26N–2.0 126E–1.0 106–2 3.5,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
ISC XI 27 22 20 43.9–1.7 24.19N–.10 126.68E–.07 20–13 3.6b 22 1-51
IDC XI 27 22 20 41.7–1.1 24.04N 126.49E 0 3.6b,3.6 **¶621625150**
JMA XI 27 22 20 44.1–.21 24N–2.0 127E–1.0 102–3 3.2,3.6
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XII 01 00 29 11.4–1.1 24.22N–.08 126.62E–.07 25 3.5b 18 1-51
IDC XII 01 00 29 08.7–2.7 23.91N 126.06E 0 3.6b,3.6 **¶621629774**
JMA XII 01 00 29 10.8–.31 24N–2.0 127E–1.0 94 3.2,3.6
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XI 28 01 19 19.0–2.1 24.17N–.07 126.71E–.05 7–12 3.5b 41 1-69
IDC XI 28 01 19 18.7–1.0 24.09N 126.62E 0 3.6L,3.6 **¶621625154**
JMA XI 28 01 19 21.4–.16 24N–1.0 126.7E–1.0 93–3 3.1,3.6
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XI 27 23 55 51.9–2.1 24.15N–.06 126.74E–.04 9–12 3.9b 83 1-86
IDC XI 27 23 55 51.0–.75 24.09N 126.62E 0 3.9,3.8b **¶621625153**
NEIC XI 27 23 55 52.6–1.6 24.08N–.09 126.68E–.08 10–1 4.2b,3.8b
JMA XI 27 23 55 55.2–.24 24N–2.0 127E–2.0 104–4 3.3,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XI 28 00 14 11.2–2.6 24.18N–.07 126.73E–.04 8–15 4.2b,3.4s 97 1-90
IDC XI 28 00 14 10.4–.73 24.13N 126.62E 0 3.9b,3.9 **¶621615777**
NEIC XI 28 00 14 12.0–1.0 24.15N–.01 126.65E–.09 10–1 4.3b,3.9
NIED XI 28 00 14 12.6 24.17N 126.72E 81 4.2W,3.9
JMA XI 28 00 14 12.6–.30 24N–2.0 126.7E–.90 81 3.6,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.73 $M_{\theta\theta}$1.53 $M_{\phi\phi}$0.20 $M_{r\theta}$1.03 $M_{\theta\phi}$0.61 $M_{\phi r}$-0.74 NP1:ϕ_s49.00000°,δ38.00000°,λ-129.00000°. NP2:ϕ_s274.00000° ,δ61.00000°,λ-64.00000°. M_o2.13000×10^{15}
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XII 01 00 53 08.1–2.0 24.19N–.08 126.65E–.05 10–11 3.8b,3.2s 50 1-96
IDC XII 01 00 53 06.7–.76 24.07N 126.58E 0 3.9,3.8L **¶621629777**
NEIC XII 01 00 53 08.4–1.8 24.1N–.10 126.7E–.10 10–1 4.3b,3.8L
JMA XII 01 00 53 10.0–.28 24N–2.0 127E–1.0 103 3.2,3.8L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XII 04 03 37 42.8–2.1 24.14N–.08 126.68E–.05 8–12 3.4b 28 1-48
IDC XII 04 03 37 42.8–1.1 24.07N 126.56E 0 3.5b,3.5 **¶621630634**
JMA XII 04 03 37 45.6–.26 24N–1.0 126.6E–.90 90 2.9,3.5
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XII 04 12 21 35.8–1.4 29.24N–.04 129.42E–.06 15–9 3.8b 30 0-53
IDC XII 04 12 21 33.8–.84 29.22N 129.43E 0 3.7b,3.7 **¶621630667**
NIED XII 04 12 21 35.4 29.28N 129.31E 21 4.1W,3.7
JMA XII 04 12 21 35.4–.12 29.3N–.60 129E–1.0 21–1 3.5,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.89 $M_{\theta\theta}$0.38 $M_{\phi\phi}$0.51 $M_{r\theta}$0.48 $M_{\theta\phi}$1.06 $M_{\phi r}$1.02 NP1:ϕ_s71.00000°,δ29.00000°,λ-48.00000°. NP2:ϕ_s205.00000° ,δ69.00000°,λ-111.00000°. M_o1.67000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
ISC XII 04 09 47 41.2–1.5 29.24N–.04 129.43E–.06 17–11 3.4b 28 0-53
IDC XII 04 09 47 39.7–1.1 29.27N 129.24E 0 3.5L,3.5 **¶621630658**
JMA XII 04 09 47 40.6–.19 29.3N–.90 129E–2.0 21–2 3.8,3.6
NIED XII 04 09 47 40.6 29.29N 129.33E 21 4.0W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=13.6km az=95.0.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.19 $M_{\phi\phi}$0.49 $M_{r\theta}$0.52 $M_{\theta\phi}$0.90 $M_{\phi r}$0.32 NP1:ϕ_s10.00000°,δ37.00000°,λ-136.00000°. NP2:ϕ_s242.00000° ,δ65.00000°,λ-61.00000°. M_o1.17000×10^{15}
ISC XII 04 12 50 52.5–1.2 29.20N–.03 129.46E–.05 6–9 3.6b,3.2s 25 0-57
IDC XII 04 12 50 51.5–1.1 29.20N 129.64E 0 3.5b,3.5 **¶621630669**
JMA XII 04 12 50 52.1–.14 29.3N–.70 129E–1.0 20–1 3.3,3.5
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
ISC XII 05 02 14 25.2–.60 29.25N–.03 129.47E–.03 15–3 5.0b,4.6s 515 0-119
BGR XII 05 02 14 21.6 28.34N 130.82E 33 5.2s,5.0b **¶621612584**
MOS XII 05 02 14 22.7–1.1 29.20N 129.45E 11 5.1b,5.0s
NIED XII 05 02 14 25.0 29.27N 129.32E 19 5.2W,5.0s
NEIC XII 05 02 14 24.8–1.8 29.29N–.05 129.50E–.08 10–1 5.1b,5.0s
BJI XII 05 02 14 24.0 29.16N 129.36E 14 5.2s,5.2b
JMA XII 05 02 14 25.0–.17 29.3N–.90 129E–2.0 19–2 5.0W,4.9
GFZ XII 05 02 14 26.8–.21 29N–3.0 130E–3.0 10 5.5b,5.2
GCMT XII 05 02 14 27.4–.20 29.24N–.02 129.31E–.02 12 5.1W,5.2
IDC XII 05 02 14 29.9–2.0 29.34N 129.41E 55–17 4.5s,4.4
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=4.4km az=103.4.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.11 $M_{\theta\theta}$0.93 $M_{\phi\phi}$2.18 $M_{r\theta}$1.96 $M_{\theta\phi}$2.26 $M_{\phi r}$5.67 NP1:ϕ_s58.00000°,δ18.00000°,λ-55.00000°. NP2:ϕ_s201.00000° ,δ76.00000°,λ-100.00000°. M_o6.97000×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.0km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR TOKARA ISLANDS .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112050214A. Moment Tensor Solution. s32,c43; s102,c171; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.37±.13 $M_{\theta\theta}$0.86±.12; $M_{\phi\phi}$2.51±.11; $M_{r\theta}$-0.29±.43; $M_{\theta\phi}$3.57±.09; $M_{\phi r}$1.71±.41; Best double couple: NP1:ϕ_s66.00000°,δ45.00000° ,λ-47.00000°. NP2:ϕ_s193.00000°,δ59.00000°,λ-125.00000°. Principal axes: T 5.5040,Plg8.0000°,Azm307.0000°; N -1.2600,Plg29.0000°,Azm213.0000° ; P -4.2450,Plg60.0000°,Azm50.0000° M_o4.87400×10^{16}
IDC Error ellipse: s-maj=14.8km s-min=10.1km az=65.0.
ISC XII 04 10 48 17.7–.76 29.23N–.05 129.51E–.08 21 3.6b,3.1s 25 0-84
IDC XII 04 10 48 15.6–.92 29.31N 129.30E 0 3.6b,3.6 **¶621630663**
NIED XII 04 10 48 16.6 29.30N 129.42E 24 4.1W,3.6
JMA XII 04 10 48 16.6–.08 29.3N–.60 129.4E–1.0 24–1 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.13 $M_{\theta\theta}$0.54 $M_{\phi\phi}$-0.42 $M_{r\theta}$0.48 $M_{\theta\phi}$1.00 $M_{\phi r}$0.75 NP1:ϕ_s106.00000°,δ53.00000°,λ1.00000°. NP2:ϕ_s15.00000° ,δ89.00000°,λ143.00000°. M_o1.40000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
ISC XII 04 11 01 27.2–1.6 29.19N–.05 129.53E–.08 4–12 3.5b 26 0-53
IDC XII 04 11 01 27.1–1.0 29.23N 129.42E 0 3.6b,3.6 **¶621630664**
NIED XII 04 11 01 27.7 29.28N 129.37E 21 3.8W,3.6
JMA XII 04 11 01 27.7–.10 29.3N–.60 129E–1.0 21–1 3.5,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.78 $M_{\theta\theta}$1.27 $M_{\phi\phi}$2.51 $M_{r\theta}$1.69 $M_{\theta\phi}$3.33 $M_{\phi r}$4.08 NP1:ϕ_s60.00000°,δ26.00000°,λ-58.00000°. NP2:ϕ_s205.00000° ,δ68.00000°,λ-105.00000°. M_o6.38000×10^{14}
JMA Event type fe. NEAR TOKARA ISLANDS .
ISC XII 04 19 05 09.2–1.1 29.26N–.03 129.43E–.05 9–8 3.5s,3.3b 28 0-68
IDC XII 04 19 05 08.0–1.0 29.31N 129.47E 0 3.5,3.5s **¶621630683**
NIED XII 04 19 05 09.1 29.29N 129.30E 21 4.0W,3.5s
JMA XII 04 19 05 09.1–.15 29.3N–.70 129E–1.0 21–1 3.5,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.78 $M_{\theta\theta}$0.42 $M_{\phi\phi}$0.36 $M_{r\theta}$0.44 $M_{\theta\phi}$0.71 $M_{\phi r}$0.51 NP1:ϕ_s53.00000°,δ28.00000°,λ-80.00000°. NP2:ϕ_s222.00000° ,δ63.00000°,λ-95.00000°. M_o1.16000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
ISC XII 04 13 23 21.1–1.1 29.24N–.04 129.41E–.06 11–8 3.5b,3.5s 19 0-78
IDC XII 04 13 23 20.4–1.2 29.16N 129.23E 0 3.5b,3.5 **¶621630670**
NIED XII 04 13 23 21.3 29.26N 129.34E 16 4.2W,3.5
JMA XII 04 13 23 21.3–.14 29.3N–.80 129E–2.0 16–2 3.4,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.14 $M_{\theta\theta}$0.43 $M_{\phi\phi}$0.71 $M_{r\theta}$0.67 $M_{\theta\phi}$0.92 $M_{\phi r}$1.59 NP1:ϕ_s61.00000°,δ22.00000°,λ-56.00000°. NP2:ϕ_s205.00000° ,δ72.00000°,λ-103.00000°. M_o2.18000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
ISC XII 04 14 25 06.8–1.1 29.28N–.03 129.46E–.05 13–7 3.6b,3.4s 51 0-90
IDC XII 04 14 25 05.1–.69 29.35N 129.41E 0 3.7b,3.7 **¶621630673**
NIED XII 04 14 25 06.5 29.32N 129.38E 20 4.3W,3.7
JMA XII 04 14 25 06.5–.13 29.3N–.90 129E–1.0 20–2 4.2,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.22 $M_{\theta\theta}$0.69 $M_{\phi\phi}$-0.47 $M_{r\theta}$1.13 $M_{\theta\phi}$2.08 $M_{\phi r}$2.10 NP1:ϕ_s102.00000°,δ43.00000°,λ-1.00000°. NP2:ϕ_s193.00000° ,δ89.00000°,λ-133.00000°. M_o3.13000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
ISC XII 04 22 13 51.9–1.1 29.24N–.04 129.42E–.06 13–8 3.6s,3.4b 32 0-71
IDC XII 04 22 13 49.8–.83 29.25N 129.57E 0 3.6s,3.5L **¶621630695**
NIED XII 04 22 13 51.6 29.28N 129.31E 20 4.3W,3.5L
JMA XII 04 22 13 51.6–.13 29.3N–.60 129E–1.0 20–1 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.43 $M_{\theta\theta}$0.64 $M_{\phi\phi}$0.80 $M_{r\theta}$0.99 $M_{\theta\phi}$1.18 $M_{\phi r}$2.21 NP1:ϕ_s65.00000°,δ21.00000°,λ-53.00000°. NP2:ϕ_s206.00000° ,δ74.00000°,λ-103.00000°. M_o2.96000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
ISC XII 04 14 59 23.6–1.1 29.28N–.04 129.45E–.05 10–8 3.7b 38 0-68
IDC XII 04 14 59 22.9–.82 29.26N 129.40E 0 4.1s,3.7b **¶635656512**
JMA XII 04 14 59 24.4–.14 29.3N–.70 129E–1.0 22–1 3.7,3.7b
NIED XII 04 14 59 24.4 29.28N 129.32E 22 4.2W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=11.3km az=97.0.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.96 $M_{\theta\theta}$0.25 $M_{\phi\phi}$0.70 $M_{r\theta}$0.91 $M_{\theta\phi}$1.10 $M_{\phi r}$1.15 NP1:ϕ_s41.00000°,δ21.00000°,λ-88.00000°. NP2:ϕ_s218.00000° ,δ69.00000°,λ-91.00000°. M_o1.94000×10^{15}
ISC XII 04 15 08 15.0–.71 29.23N–.03 129.36E–.03 12–4 4.5b,4.4s 180 0-119
IDC XII 04 15 08 13.9–.51 29.28N 129.51E 0 4.2s,4.0L **¶621612453**
MOS XII 04 15 08 13.1–1.6 29.17N 129.29E 12 4.6b,4.0L
NEIC XII 04 15 08 14.7–1.5 29.35N–.05 129.17E–.09 10–1 4.9b,4.0L
JMA XII 04 15 08 15.7–.15 29.3N–.80 129E–2.0 20–2 4.4,4.3
BJI XII 04 15 08 15.0 29.15N 129.14E 13 5.0b,4.8s
NIED XII 04 15 08 15.7 29.28N 129.33E 20 4.9W,4.8s
GCMT XII 04 15 08 19.7–.40 29.18N–.03 129.26E–.03 12 5.0W,4.8s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.14 $M_{\theta\theta}$0.37 $M_{\phi\phi}$0.76 $M_{r\theta}$0.56 $M_{\theta\phi}$0.96 $M_{\phi r}$2.49 NP1:ϕ_s66.00000°,δ19.00000°,λ-41.00000°. NP2:ϕ_s195.00000° ,δ78.00000°,λ-105.00000°. M_o2.90000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112041508A. Moment Tensor Solution. s16,c17; s79,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.90±.14 $M_{\theta\theta}$0.43±.14; $M_{\phi\phi}$1.47±.11;

M_{rr}-2.15±.48; $M_{\theta\theta}$1.77±.09; $M_{\phi r}$2.58±.44; Best double couple: NP1:ϕ_s62.00000°,δ41.00000°,λ-29.00000°. NP2:ϕ_s174.00000°,δ72.00000°,λ-127.00000°. Principal axes: T 3.0620,Plg18.0000°,Azm291.0000°; N 1.6870,Plg35.0000°,Azm188.0000°; P -4.7500,Plg50.0000°,Azm44.0000° M_o3.90600×10^{16}

ISC	**XII**	**04 15 26 00.2–.47**	**29.21N–.04**	**129.47E–.06**	**21**	**4.3b**	**77**	**0-90**
IDC	XII	04 15 25 57.5–.66	29.25N	129.59E	0	4.2s,3.9b		**¶621630676**
JMA	XII	04 15 25 58.4–.13	29.3N–.70	129E–1.0	19–1	3.9,3.9b		
NIED	XII	04 15 25 58.4	29.28N	129.32E	19	4.6W,3.9b		
NEIC	XII	04 15 25 59.4–1.4	29.26N–.03	129.43E–.06	10–1	4.4b,3.9b		

ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.82 $M_{\theta\theta}$2.22 $M_{\phi\phi}$2.60 $M_{r\theta}$3.12 $M_{\theta\phi}$4.89 $M_{\phi r}$6.52 NP1:ϕ_s69.00000°,δ24.00000°,λ-50.00000°. NP2:ϕ_s207.00000°,δ71.00000°,λ-106.00000°. M_o9.55000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**05 11 48 47.7–1.0**	**29.29N–.03**	**129.43E–.05**	**15–7**	**3.3b**	**35**	**0-53**
IDC	XII	05 11 48 46.2–1.1	29.36N	129.34E	0	3.3L,3.3b		**¶621631251**
JMA	XII	05 11 48 47.5–.16	29N–1.0	129E–2.0	18–3	3.7,3.5		
NIED	XII	05 11 48 47.5	29.31N	129.39E	18	3.9W,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=34.4km s-min=12.9km az=97.0.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.71 $M_{\theta\theta}$3.54 $M_{\phi\phi}$-1.83 $M_{r\theta}$3.04 $M_{\theta\phi}$5.36 $M_{\phi r}$5.02 NP1:ϕ_s104.00000°,δ43.00000°,λ-9.00000°. NP2:ϕ_s201.00000°,δ84.00000°,λ-133.00000°. M_o8.30000×10^{14}

ISC	**XII**	**05 02 00 26.0–1.0**	**29.29N–.04**	**129.44E–.05**	**11–7**	**3.7b**	**35**	**0-90**
JMA	XII	05 02 00 27.1–.11	29.3N–.60	129E–1.0	19–1	3.9,3.8		**¶621631219**
NIED	XII	05 02 00 27.1	29.27N	129.34E	19	4.4W,3.8		
IDC	XII	05 02 00 32.0–2.2	29.23N	129.24E	57–21	3.7,3.5L		

ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.32 $M_{\theta\theta}$1.05 $M_{\phi\phi}$1.26 $M_{r\theta}$1.38 $M_{\theta\phi}$1.74 $M_{\phi r}$2.69 NP1:ϕ_s60.00000°,δ23.00000°,λ-62.00000°. NP2:ϕ_s210.00000°,δ70.00000°,λ-101.00000°. M_o4.01000×10^{15}
IDC Error ellipse: s-maj=28.3km s-min=14.6km az=86.0.

ISC	**XII**	**04 20 05 39.7–1.0**	**29.20N–.04**	**129.37E–.05**	**18–5**	**3.3b**	**27**	**0-53**
IDC	XII	04 20 05 38.1–.90	29.25N	129.17E	0	3.5b,3.5		**¶621630687**
NIED	XII	04 20 05 39.0	29.28N	129.33E	20	4.1W,3.5		
JMA	XII	04 20 05 39.0–.14	29.3N–.80	129E–1.0	20–1	3.8,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.68 $M_{\theta\theta}$0.35 $M_{\phi\phi}$0.33 $M_{r\theta}$0.43 $M_{\theta\phi}$0.71 $M_{\phi r}$1.00 NP1:ϕ_s74.00000°,δ25.00000°,λ-44.00000°. NP2:ϕ_s205.00000°,δ73.00000°,λ-109.00000°. M_o1.41000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .

ISC	**XII**	**04 20 14 22.4–.45**	**29.22N–.04**	**129.50E–.05**	**21**	**4.3b,4.0s**	**101**	**0-87**
BJI	XII	04 20 14 14.7	28.58N	129.70E	10	4.9b,4.7s		**¶635656779**
IDC	XII	04 20 14 18.3–.74	29.50N	129.73E	0	3.9s,3.8b		
JMA	XII	04 20 14 20.9–.15	29.3N–.70	129E–1.0	20–1	4.1,3.8b		
NIED	XII	04 20 14 20.9	29.29N	129.29E	20	4.7W,3.8b		
NEIC	XII	04 20 14 21.3–1.3	29.33N–.03	129.44E–.08	10–1	4.4b,3.8b		

ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.23 $M_{\phi\phi}$0.44 $M_{r\theta}$0.48 $M_{\theta\phi}$0.50 $M_{\phi r}$0.93 NP1:ϕ_s54.00000°,δ19.00000°,λ-66.00000°. NP2:ϕ_s209.00000°,δ72.00000°,λ-98.00000°. M_o1.29000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**04 20 17 43.0–1.4**	**29.23N–.04**	**129.43E–.07**	**12–10**	**3.4b**	**21**	**0-53**
IDC	XII	04 20 17 42.3–1.1	29.26N	129.29E	0	3.5b,3.5		**¶621630688**
JMA	XII	04 20 17 43.2–.11	29.3N–.70	129E–1.0	17–1	3.3,3.5		

ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .

ISC	**XII**	**05 05 57 38.2–1.0**	**29.27N–.05**	**129.41E–.07**	**14–8**	**3.8b,3.4s**	**23**	**0-68**
IDC	XII	05 05 57 35.8–1.6	29.37N	129.77E	0	3.7b,3.6		**¶621631231**
NIED	XII	05 05 57 37.9	29.30N	129.31E	22	3.9W,3.6		
JMA	XII	05 05 57 37.9–.17	29.3N–.80	129E–2.0	22–1	3.5,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.07 $M_{\theta\theta}$2.90 $M_{\phi\phi}$1.18 $M_{r\theta}$0.61 $M_{\theta\phi}$3.58 $M_{\phi r}$6.14 NP1:ϕ_s80.00000°,δ31.00000°,λ-34.00000°. NP2:ϕ_s199.00000°,δ73.00000°,λ-117.00000°. M_o7.98000×10^{14}
JMA Event type fe. NEAR TOKARA ISLANDS .

ISC	**XII**	**05 04 06 27.0–.00**	**29.24N–.03**	**129.43E–.04**	**13–6**	**4.0b,3.6s**	**78**	**0-90**
IDC	XII	05 04 06 25.4–.65	29.31N	129.20E	0	3.8b,3.8		**¶621631224**
JMA	XII	05 04 06 26.1–.13	29.3N–.90	129E–1.0	22–2	4.1,4.0		
NIED	XII	05 04 06 26.1	29.30N	129.41E	22	4.4W,4.0		
NEIC	XII	05 04 06 27.1–1.8	29.30N–.05	129.3E–.10	10–1	4.4b,4.0		

ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.49 $M_{\theta\theta}$2.94 $M_{\phi\phi}$-2.45 $M_{r\theta}$1.30 $M_{\theta\phi}$1.67 $M_{\phi r}$3.41 NP1:ϕ_s115.00000°,δ42.00000°,λ-7.00000°. NP2:ϕ_s210.00000°,δ86.00000°,λ-131.00000°. M_o4.84000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA	**XII**	**05 14 18 17.3–.18**	**29.3N–.90**	**129E–2.0**	**22–2**	**3.4**		
NIED	XII	05 14 18 17.3	29.29N	129.33E	22	4.0W		**¶635657512**

JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$0.95 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.23 $M_{\theta\phi}$0.30 $M_{\phi r}$0.23 NP1:ϕ_s217.00000°,δ73.00000°,λ-178.00000°. NP2:ϕ_s126.00000°,δ89.00000°,λ-17.00000°. M_o1.06000×10^{15}

JMA	**XII**	**05 22 16 55.3–.12**	**29.3N–.80**	**129E–1.0**	**20–2**	**3.5**		
NIED	XII	05 22 16 55.3	29.32N	129.39E	20	3.9W		**¶635657869**

JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.33 $M_{\theta\theta}$3.90 $M_{\phi\phi}$-1.57 $M_{r\theta}$4.11 $M_{\theta\phi}$3.60 $M_{\phi r}$6.82 NP1:ϕ_s103.00000°,δ27.00000°,λ-20.00000°. NP2:ϕ_s211.00000°,δ81.00000°,λ-116.00000°. M_o9.34000×10^{14}

ISC	**XII**	**05 23 17 00.1–1.1**	**29.16N–.04**	**129.42E–.05**	**12–7**	**3.7s,3.6b**	**39**	**0-90**
JMA	XII	05 23 16 57.7–.14	29.4N–.60	129E–1.0	24–1	3.9,3.6		**¶621631280**
IDC	XII	05 23 16 57.9–.77	29.18N	129.63E	0	3.6b,3.6		
NIED	XII	05 23 16 57.7	29.38N	129.29E	24	4.1W,3.6		

ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=22.4km s-min=11.0km az=105.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.09 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-0.47 $M_{r\theta}$1.13 $M_{\theta\phi}$1.10 $M_{\phi r}$1.13 NP1:ϕ_s112.00000°,δ37.00000°,λ-2.00000°. NP2:ϕ_s203.00000°,δ89.00000°,λ-127.00000°. M_o1.87000×10^{15}

JMA	**XII**	**06 00 24 06.7–.21**	**29N–1.0**	**129E–2.0**	**19–2**	**3.8,3.6**		
NIED	XII	06 00 24 06.7	29.36N	129.36E	19	4.0W,3.6		**¶621750453**

JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-0.15 $M_{r\theta}$0.46 $M_{\theta\phi}$0.80 $M_{\phi r}$0.49 NP1:ϕ_s100.00000°,δ64.00000°,λ17.00000°. NP2:ϕ_s2.00000°,δ75.00000°,λ153.00000°. M_o1.01000×10^{15}

ISC	**XII**	**06 01 58 58.9–1.2**	**29.29N–.04**	**129.42E–.05**	**17–8**	**4.0s,3.7b**	**34**	**0-75**
NIED	XII	06 01 58 58.3	29.34N	129.38E	18	4.4W,3.7b		**¶635658014**
JMA	XII	06 01 58 58.3–.14	29.3N–.90	129E–1.0	18–2	4.1,4.0		
IDC	XII	06 01 59 03.6–1.6	29.31N	129.36E	54–17	3.7,3.7s		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.79 $M_{\theta\theta}$1.99 $M_{\phi\phi}$-1.20 $M_{r\theta}$1.44 $M_{\theta\phi}$1.68 $M_{\phi r}$2.61 NP1:ϕ_s109.00000°,δ36.00000°,λ-13.00000°. NP2:ϕ_s209.00000°,δ83.00000°,λ-126.00000°. M_o3.83000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=23.3km s-min=10.5km az=101.0.

ISC	**XII**	**07 02 13 34.6–.46**	**29.31N–.03**	**129.49E–.03**	**14–2**	**5.0b,4.4s**	**559**	**0-166**
BJI	XII	07 02 13 29.8	29.00N	129.69E	10	5.1b,4.9s		**¶621615810**
IDC	XII	07 02 13 32.0–.45	29.33N	129.43E	0	4.5,4.4b		
MOS	XII	07 02 13 32.9–.96	29.34N	129.42E	13	5.0b,4.5s		
NIED	XII	07 02 13 34.6	29.35N	129.39E	17	4.9W,4.5s		
JMA	XII	07 02 13 34.6–.12	29.4N–.90	129E–1.0	17–2	4.9W,4.7		
NEIC	XII	07 02 13 34.7–1.0	29.37N–.05	129.45E–.08	10–1	5.1b,4.9		
GCMT	XII	07 02 13 36.4–.20	29.35N–.02	129.32E–.03	12	4.9W,4.9		
BGR	XII	07 02 13 37.3	29.16N	129.61E	33	5.2b,4.6s		
GFZ	XII	07 02 13 38.8–.35	30N–6.0	129E–5.0	10	5.3,5.2b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.48 $M_{\theta\theta}$1.37 $M_{\phi\phi}$0.11 $M_{r\theta}$0.34 $M_{\theta\phi}$0.73 $M_{\phi r}$1.74 NP1:ϕ_s88.00000°,δ33.00000°,λ-39.00000°. NP2:ϕ_s212.00000°,δ70.00000°,λ-117.00000°. M_o2.35000×10^{16}
JMA Event type fe. NEAR TOKARA ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112070213A. Moment Tensor Solution. s31,c41; s85,c129; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.84±.08 $M_{\theta\theta}$1.67±.07; $M_{\phi\phi}$0.16±.07; $M_{r\theta}$0.48±.25; $M_{\theta\phi}$1.47±.06; $M_{\phi r}$2.19±.28; Best double couple: NP1:ϕ_s87.00000°,δ35.00000°,λ-37.00000°. NP2:ϕ_s209.00000°,δ70.00000°,λ-119.00000°. Principal axes: T 3.1320,Plg20.0000°,Azm320.0000°; N 0.1460,Plg27.0000°,Azm219.0000°; P -3.2790,Plg55.0000°,Azm81.0000° M_o3.20500×10^{16}
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**06 23 04 56.4–1.4**	**29.22N–.03**	**130.80E–.06**	**16–8**	**3.8s,3.6b**	**36**	**1-86**
IDC	XII	06 23 04 53.4–1.4	29.21N	130.79E	0	3.8b,3.8		**¶635659158**
JMA	XII	06 23 04 59.1–.19	29.3N–.70	131E–1.0	64	3.1,3.8		

ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.

ISC	**XII**	**06 20 04 40.5–1.0**	**29.24N–.03**	**129.43E–.05**	**16–6**	**4.5b,3.6s**	**84**	**0-92**
IDC	XII	06 20 04 38.0–.70	29.27N	129.39E	0	3.8b,3.8		**¶635659068**
NIED	XII	06 20 04 40.2	29.30N	129.31E	21	4.1W,3.8		
JMA	XII	06 20 04 40.2–.18	29.3N–.90	129E–2.0	21–1	3.6,3.8		
NEIC	XII	06 20 04 40.1–1.9	29.27N–.06	129.4E–.10	10–1	4.6b,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.06 $M_{\theta\theta}$0.52 $M_{\phi\phi}$0.54 $M_{r\theta}$0.10 $M_{\theta\phi}$0.90 $M_{\phi r}$0.65 NP1:ϕ_s67.00000°,δ38.00000°,λ-55.00000°. NP2:ϕ_s205.00000°,δ60.00000°,λ-114.00000°. M_o1.43000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 05 28 17.5–.56**	**29.33N–.04**	**129.46E–.06**	**10**	**3.8b,3.6s**	**33**	**0-90**
IDC	XII	07 05 28 16.4–.74	29.41N	129.39E	0	3.8b,3.8		**¶621632640**
NIED	XII	07 05 28 18.0	29.35N	129.40E	17	4.1W,3.8		
JMA	XII	07 05 28 18.0–.12	29.4N–.90	129E–1.0	17–2	3.4,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.15 $M_{\theta\theta}$1.16 $M_{\phi\phi}$-0.02 $M_{r\theta}$0.17 $M_{\theta\phi}$0.51 $M_{\phi r}$0.97 NP1:ϕ_s94.00000°,δ40.00000°,λ-45.00000°. NP2:ϕ_s221.00000°,δ63.00000°,λ-121.00000°. M_o1.59000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .

ISC	**XII**	**08 13 44 18.8–1.1**	**29.30N–.03**	**129.50E–.05**	**13–7**	**3.8s,3.6b**	**48**	**0-88**
IDC	XII	08 13 44 17.5–.70	29.33N	129.23E	0	3.7s,3.6b		**¶621622048**
NIED	XII	08 13 44 18.9	29.33N	129.43E	20	4.6W,3.6b		
JMA	XII	08 13 44 18.9–.12	29.3N–1.0	129E–1.0	20–2	4.0,3.9		
GCMT	XII	08 13 44 22.6–.40	29.35N–.02	129.33E–.03	22–2	4.7W,3.9		
GCMT	XII	08 13 44 24.0	29.25N	129.25E	10	4.8s,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=10.2km az=103.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.82 $M_{\theta\theta}$6.37 $M_{\phi\phi}$-5.55 $M_{r\theta}$0.09 $M_{\theta\phi}$3.29 $M_{\phi r}$4.73 NP1:ϕ_s116.00000°,δ61.00000°,λ-14.00000°. NP2:ϕ_s213.00000°,δ77.00000°,λ-151.00000°. M_o8.22000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202112081344A. Moment Tensor Solution. s12,c15; s72,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.43±.12 $M_{\theta\theta}$1.34±.10; $M_{\phi\phi}$-0.91±.08; $M_{r\theta}$0.36±.13; $M_{\theta\phi}$0.89±.07; $M_{\phi r}$-0.36±.14; Best double couple: NP1:ϕ_s28.00000°,δ68.00000°,λ-166.00000°. NP2:ϕ_s293.00000°,δ77.00000°,λ-22.00000°. Principal axes: T 1.6730,Plg6.0000°,Azm342.0000°; N -0.2430,Plg64.0000°,Azm85.0000°; P -1.4340,Plg25.0000°,Azm249.0000° M_o1.55400×10^{16}

ISC	**XII**	**07 08 51 46.9–1.0**	**29.26N–.04**	**129.18E–.08**	**12–6**	**3.6b,3.1s**	**22**	**0-52**
JMA	XII	07 08 51 46.7–.26	29.3N–.70	129E–2.0	10–1	3.2,3.1s		**¶635659462**
IDC	XII	07 08 51 46.8–1.5	29.05N	128.69E	0	3.6b,3.6		

ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=31.5km s-min=28.9km az=49.0.

ISC	**XII**	**07 23 14 12.0–.82**	**26.45N–.05**	**128.08E–.04**	**52–6**	**3.9b**	**63**	**0-79**
NEIC	XII	07 23 14 10.4–1.9	26.34N–.01	128.02E–.08	35–2	4.0b		**¶621632715**
IDC	XII	07 23 14 12.4–2.8	26.64N	127.97E	41–20	3.9L,3.9		
JMA	XII	07 23 14 13.4–.16	26.6N–.60	128.0E–.90	45–1	3.7,3.7		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

ISC	**XII**	**09 02 05 08.0–.36**	**29.39N–.02**	**129.44E–.02**	**14–2**	**5.8b,5.7s**	**1839**	**0-177**
IDC	XII	09 02 05 05.6–.33	29.41N	129.42E	0	5.6s,5.2b		**¶621622869**
BJI	XII	09 02 05 06.1	29.26N	129.50E	18	6.2s,6.2b		
ISC-P	XII	09 02 05 07	29.41N	129.39E	14–0	6.2,6.2b		
MOS	XII	09 02 05 07.1–1.0	29.42N	129.39E	18	6.1s,5.8b		
NEIC	XII	09 02 05 07.7–1.4	29.41N–.05	129.39E–.07	7–1	6.0b,5.8		
JMA	XII	09 02 05 08.0–.10	29N–1.0	129E–2.0	14	6.1,5.9W		
NIED	XII	09 02 05 08.0	29.34N	129.45E	14	6.0W,5.9W		
GFZ	XII	09 02 05 08.3	29.41N	129.47E	10	5.9W,5.9W		
NEIC	XII	09 02 05 09.7	29.43N	129.42E	17	5.9W,5.9W		
NEIC	XII	09 02 05 09.7	29.44N	129.41E	17	5.9W,5.9W		
GFZ	XII	09 02 05 09.4–.15	29N–2.0	130E–3.0	10	6.3b,6.2		
GCMT	XII	09 02 05 10.7–.10	29.34N	129.25E	12	6.0W,6.2		
KEA	XII	09 02 05 11.0	29.40N	129.39E	33	5.5s,6.2		
BGR	XII	09 02 05 12.9	30.86N	130.82E	16–1	6.4,6.3s		
PTWC	XII	09 02 05 13	29.50N	129.50E	55	5.8,6.3s		
NEIC	XII	09 02 05 21.1	29.24N	129.64E	18	6.0,6.3s		

ISC Event type ke.
IDC Error ellipse: s-maj=10.8km s-min=8.9km az=97.0.
ISC-P Moment Tensor Solution. s44 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.54±.09 $M_{\theta\theta}$0.18±.13; $M_{\phi\phi}$-0.67±.13; $M_{r\theta}$-0.02±.17; $M_{\theta\phi}$0.27±.11; $M_{\phi r}$0.19±.15; NP1:ϕ_s117.00000°,δ63.00000°,λ334.70000°. NP2:ϕ_s219.10000°,δ67.60000°,λ-150.60000°. M_o2.85000×10^{18}
MOS Error ellipse: s-maj=5.8km s-min=3.5km az=108.3.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.3km az=292.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.09 $M_{\theta\theta}$2.39 $M_{\phi\phi}$1.69 $M_{r\theta}$-2.56 $M_{\theta\phi}$3.80 $M_{\phi r}$-1.11 NP1:ϕ_s209.94000°,δ33.38000°,λ-116.88000°. NP2:ϕ_s61.20000°,δ60.61000°,λ-73.41000°. Principal axes: T 6.5199,Plg14.0000°,Azm139.0000°; N -1.5371,Plg14.0000°,Azm233.0000°; P -4.9828,Plg70.0000°,Azm7.0000° M_o5.90000×10^{17}
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.49 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-0.04 $M_{r\theta}$0.22 $M_{\theta\phi}$0.39 $M_{\phi r}$0.79 NP1:ϕ_s92.00000°,δ31.00000°,λ-30.00000°. NP2:ϕ_s209.00000°,δ75.00000°,λ-118.00000°. M_o1.04000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.41 $M_{\theta\theta}$5.45 $M_{\phi\phi}$-0.04 $M_{r\theta}$0.14 $M_{\theta\phi}$5.39 $M_{\phi r}$-0.55 NP1:ϕ_s45.19002°,δ47.30976°,λ-108.93867°. NP2:ϕ_s252.03248°,δ45.95363°,λ-70.61619°. Principal axes: T 8.7582,Plg0.6971°,Azm148.4584°; N -3.2090,Plg13.8015°,Azm58.2871°; P -5.5492,Plg76.1802°,Azm241.2936° M_o7.67453×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112090205A. Moment Tensor Solution. s127,c280; s155,c501;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.63±.01 $M_{\theta\theta}$0.65±.01; $M_{\phi\phi}$-0.01±.01; $M_{r\theta}$0.31±.01; $M_{\theta\phi}$0.63±.01; $M_{\phi r}$0.60±.02; Best double couple: NP1:ϕ_s89.00000°,δ36.00000°,λ-40.00000°. NP2:ϕ_s214.00000°,δ68.00000°,λ-119.00000°. Principal axes: T 1.2130,Plg18.0000°,Azm325.0000°; N -0.2110,Plg27.0000°,Azm225.0000°; P -1.0020,Plg57.0000°,Azm85.0000° M_o1.10700×10^{18}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 4s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.68 $M_{\theta\theta}$0.54 $M_{\phi\phi}$0.14 $M_{r\theta}$-0.52 $M_{\theta\phi}$0.65 $M_{\phi r}$-0.38 NP1:ϕ_s233.27000°,δ26.51000°,λ-90.42000°. NP2:ϕ_s53.75000°,δ63.49000°,λ-89.79000°. Principal axes:

T 1.2372,Plg18.0000°,Azm144.0000°; N -0.3398,Plg0.0000°,Azm234.0000°
; P -0.8974,Plg72.0000°,Azm324.0000° $M_0$1.11000×10^{18}

ISC	**XII**	**11 22 27 18.3–1.6**	**25.90N–.05**	**128.54E–.05**	**14–10**	**4.1b**	**78**	**1-80**	
IDC	XII	11 22 27 17.1–.82	25.90N	128.33E	0	3.9b,3.9			¶621644223
NEIC	XII	11 22 27 18.6–1.6	25.94N–.05	128.45E–.07	10–1	4.3b,3.9			
JMA	XII	11 22 27 20.4–.34	26N–1.0	128E–2.0	45–3	3.3,3.9			
ISC	Event type ke.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
JMA	Event type ke. NEAR OKINAWAJIMA ISLAND .								
ISC	**XII**	**09 10 17 30.8–1.4**	**29.30N–.04**	**129.61E–.07**	**7–10**	**3.6s,3.6b**	**39**	**0-78**	
IDC	XII	09 10 17 29.9–.72	29.33N	129.71E	0	3.6b,3.6			¶621636570
JMA	XII	09 10 17 31.6–.07	29.3N–.70	129.4E–1.0	17–1	4.0,3.7			
NIED	XII	09 10 17 31.6	29.33N	129.42E	17	4.2W,3.7			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=23.8km s-min=9.6km az=97.0.								
JMA	Event type fe. NEAR TOKARA ISLANDS .								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.10 $M_{\theta\theta}$0.27 $M_{\phi\phi}$-0.16 $M_{r\theta}$1.21 $M_{\theta\phi}$1.31 $M_{\phi r}$1.61 NP1:ϕ_s104.00000°,δ29.00000°,λ-7.00000°. NP2:ϕ_s200.00000° ,δ86.00000°,λ-119.00000°. $M_0$2.25000×10^{15}								
ISC	**XII**	**11 04 04 49.4–1.5**	**28.01N–.04**	**128.08E–.05**	**9–10**	**3.9b,3.5s**	**45**	**1-77**	
JMA	XII	11 04 04 48.0–.24	28.1N–.40	128.0E–.60	13–2	3.5,3.5s			¶621644166
NIED	XII	11 04 04 48.0	28.10N	128.02E	13	4.2W,3.5s			
IDC	XII	11 04 04 48.2–.86	28.00N	127.90E	0	3.8b,3.8			
NEIC	XII	11 04 04 50.7–2.4	27.87N–.04	127.8E–.20	10–1	4.1b,3.8			
ISC	Event type ke.								
JMA	Event type ke. NW OFF OKINAWAJIMA IS .								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.57 $M_{\theta\theta}$1.26 $M_{\phi\phi}$-0.69 $M_{r\theta}$-1.31 $M_{\theta\phi}$0.33 $M_{\phi r}$-1.85 NP1:ϕ_s296.00000°,δ25.00000°,λ-16.00000°. NP2:ϕ_s40.00000° ,δ83.00000°,λ-114.00000°. $M_0$2.54000×10^{15}								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**11 00 43 10.4–1.5**	**28.01N–.04**	**128.05E–.04**	**4–10**	**4.0b,3.8s**	**67**	**1-92**	
IDC	XII	11 00 43 09.9–.71	27.99N	127.91E	0	3.9,3.8b			¶621644156
NIED	XII	11 00 43 10.4	28.11N	128.05E	16	4.4W,3.8b			
JMA	XII	11 00 43 10.4–.23	28.1N–.40	128.1E–.50	16–2	4.3,3.9			
NEIC	XII	11 00 43 11.4–1.6	27.85N–.05	127.8E–.10	10–1	4.2b,3.9			
ISC	Event type ke.								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.90 $M_{\theta\theta}$3.26 $M_{\phi\phi}$-2.36 $M_{r\theta}$-1.89 $M_{\theta\phi}$0.05 $M_{\phi r}$-2.74 NP1:ϕ_s308.00000°,δ41.00000°,λ-13.00000°. NP2:ϕ_s47.00000° ,δ82.00000°,λ-131.00000°. $M_0$4.41000×10^{15}								
JMA	Event type fe. NW OFF OKINAWAJIMA IS .								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**11 01 21 11.1–2.4**	**28.09N–.06**	**128.04E–.08**	**19–5**	**3.4b**	**18**	**1-52**	
JMA	XII	11 01 21 10.5–.22	28.1N–.40	128.0E–.60	18–2	3.4			¶635662283
IDC	XII	11 01 21 13.9–10	27.93N	127.70E	0	3.5b,3.5			
ISC	Event type ke.								
JMA	Event type ke. NW OFF OKINAWAJIMA IS .								
IDC	Error ellipse: s-maj=539.1km s-min=30.8km az=60.0.								
ISC	**XII**	**11 02 03 13.6–1.5**	**27.99N–.04**	**128.03E–.04**	**4–10**	**4.2b,3.7s**	**64**	**1-93**	
NIED	XII	11 02 03 13.0	28.11N	128.01E	17	4.4W,3.7s			¶621644163
JMA	XII	11 02 03 13.0–.20	28.1N–.30	128.0E–.50	17–2	3.8,3.7s			
IDC	XII	11 02 03 13.5–.57	27.97N	127.72E	0	4.1b,4.0			
NEIC	XII	11 02 03 14.3–1.6	27.91N–.05	127.9E–.20	10–1	4.3b,4.0			
ISC	Event type ke.								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.63 $M_{\theta\theta}$3.02 $M_{\phi\phi}$-1.39 $M_{r\theta}$-2.54 $M_{\theta\phi}$2.19 $M_{\phi r}$-1.12 NP1:ϕ_s261.00000°,δ23.00000°,λ-72.00000°. NP2:ϕ_s62.00000° ,δ68.00000°,λ-97.00000°. $M_0$3.93000×10^{15}								
JMA	Event type ke. NW OFF OKINAWAJIMA IS .								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**09 03 22 56.3–1.4**	**29.36N–.04**	**129.36E–.07**	**3–10**	**3.5b**	**18**	**0-49**	
IDC	XII	09 03 22 57.3–1.3	29.29N	129.20E	0	3.6b,3.6			¶621636546
JMA	XII	09 03 22 58.2–.17	29.3N–1.0	129E–2.0	10–3	3.1,3.6			
ISC	Event type ke.								
JMA	Event type fe. NEAR TOKARA ISLANDS .								
ISC	**XII**	**11 07 09 27.4–.99**	**29.29N–.04**	**129.23E–.06**	**12–7**	**3.6b,3.3s**	**33**	**0-75**	
JMA	XII	11 07 09 26.4–.26	29.4N–.70	129E–1.0	14–1	3.6,3.3s			¶621644173
IDC	XII	11 07 09 26.4–.88	29.31N	129.21E	0	3.7b,3.6			
NIED	XII	11 07 09 26.4	29.35N	129.13E	14	4.2W,3.6			
ISC	Event type ke.								
JMA	Event type fe. NEAR TOKARA ISLANDS .								
IDC	Error ellipse: s-maj=29.1km s-min=13.1km az=100.0.								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.88 $M_{\theta\theta}$2.04 $M_{\phi\phi}$-1.16 $M_{r\theta}$0.37 $M_{\theta\phi}$-1.04 $M_{\phi r}$-0.81 NP1:ϕ_s65.00000°,δ58.00000°,λ-161.00000°. NP2:ϕ_s325.00000° ,δ74.00000°,λ-33.00000°. $M_0$2.20000×10^{15}								
ISC	**XII**	**12 06 43 12.2–.46**	**24.15N–.03**	**126.75E–.03**	**18–2**	**5.2b,4.3s**	**711**	**1-170**	
BJI	XII	12 06 43 09.5	24.21N	126.72E	8	4.9s,4.9b			¶621627640
IDC	XII	12 06 43 09.3–.48	24.11N	126.66E	0	4.8b,4.8			
MOS	XII	12 06 43 10.1–1.0	24.22N	126.70E	10	5.3b,4.4s			
GFZ	XII	12 06 43 11.3–.23	24N–3.0	127E–3.0	10	5.4b,5.1b			
NEIC	XII	12 06 43 11.8–1.1	24.20N–.07	126.71E–.04	10–1	5.2b,4.8			
GFZ	XII	12 06 43 12.3	24.19N	126.76E	14	4.8W,4.8			
GCMT	XII	12 06 43 13.7–.30	24.00N–.02	126.61E–.04	12	4.8W,4.8			
NIED	XII	12 06 43 13.8	24.34N	126.58E	88	4.8W,4.8			
JMA	XII	12 06 43 13.8–.26	24N–1.0	126.6E–.90	88	5.0,4.8W			
BGR	XII	12 06 43 28.8	25.01N	123.14E	29–1	5.0,4.8W			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=13.6km s-min=10.0km az=108.0.								
MOS	Error ellipse: s-maj=7.0km s-min=4.2km az=118.1.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=11.5km s-min=5.7km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.80 $M_{\theta\theta}$1.31 $M_{\phi\phi}$0.49 $M_{r\theta}$0.18 $M_{\theta\phi}$0.83 $M_{\phi r}$-0.09 NP1: ϕ_s52.51314°,δ43.56141°,λ-98.04279°. NP2:ϕ_s243.54723°,δ46.97220°,λ-82.42089°. Principal axes: T 1.8288,Plg1.7133°,Azm328.1934°; N -0.0069,Plg5.5330°,Azm58.3595° ; P -1.8220,Plg84.2063°,Azm221.0480° $M_0$1.82539×10^{16}								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112120643A. Moment Tensor Solution. s16,c19; s83,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.58±.07 $M_{\theta\theta}$1.44±.07; $M_{\phi\phi}$0.14±.07; $M_{r\theta}$-1.28±.25; $M_{\theta\phi}$0.92±.06; $M_{\phi r}$-0.45±.35; Best double couple: NP1:ϕ_s235.00000°,δ27.00000° ,λ-102.00000°. NP2:ϕ_s68.00000°,δ64.00000°,λ-84.00000°. Principal axes: T 2.3760,Plg19.0000°,Azm154.0000°; N -0.3160,Plg5.0000°,Azm246.0000° ; P -2.0550,Plg70.0000°,Azm350.0000° $M_0$2.21600×10^{16}								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35 $M_{\theta\theta}$1.09 $M_{\phi\phi}$0.25 $M_{r\theta}$0.02 $M_{\theta\phi}$0.83 $M_{\phi r}$-0.45 NP1:ϕ_s256.00000°,δ44.00000°,λ-64.00000°. NP2:ϕ_s42.00000° ,δ52.00000°,λ-113.00000°. $M_0$1.56000×10^{16}								
JMA	Event type ke. NEAR MIYAKOJIMA ISLAND .								
BGR	Event type ke.								
ISC	**XII**	**12 06 47 43.8–.62**	**24.14N–.04**	**126.73E–.04**	**10–3**	**5.0b,4.5s**	**494**	**1-115**	
IDC	XII	12 06 47 42.6–.50	24.13N	126.62E	0	4.6b,4.6			¶621627642
MOS	XII	12 06 47 42.3–.90	24.19N	126.70E	10	5.2b,4.6s			
GFZ	XII	12 06 47 45.0–.21	24N–3.0	127E–3.0	10	5.4b,5.0b			
NEIC	XII	12 06 47 44.5–.93	24.17N–.08	126.68E–.08	10–1	5.0b,5.0b			
BJI	XII	12 06 47 44.1	24.24N	126.52E	9	4.9b,4.8s			
JMA	XII	12 06 47 46.1–.23	24N–2.0	127E–1.0	95–4	4.9,4.1			
NIED	XII	12 06 47 46.1	24.29N	126.58E	95	4.6W,4.1			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=14.2km s-min=10.4km az=107.0.								
MOS	Error ellipse: s-maj=7.6km s-min=4.4km az=118.8.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=16.0km s-min=9.9km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
JMA	Event type ke. NEAR MIYAKOJIMA ISLAND .								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.69 $M_{\theta\theta}$0.52 $M_{\phi\phi}$0.16 $M_{r\theta}$-0.60 $M_{\theta\phi}$0.53 $M_{\phi r}$-0.19 NP1:ϕ_s217.00000°,δ29.00000°,λ-117.00000°. NP2:ϕ_s68.00000° ,δ65.00000°,λ-76.00000°. $M_0$1.02000×10^{16}								
ISC	**XII**	**12 07 08 58.5–1.1**	**24.18N–.08**	**126.66E–.06**	**25**	**3.4b**	**26**	**1-48**	
IDC	XII	12 07 08 55.1–1.2	24.05N	126.46E	0	3.6L,3.6			¶621650481
JMA	XII	12 07 08 59.5–.24	24N–1.0	126.6E–.70	77	2.8,3.6			
ISC	Event type ke.								
JMA	Event type ke. NEAR MIYAKOJIMA ISLAND .								
ISC	**XII**	**12 21 49 40.4–2.0**	**24.22N–.08**	**126.67E–.06**	**23–13**	**3.6b**	**42**	**1-81**	
IDC	XII	12 21 49 38.0–.82	24.31N	126.31E	0	3.7b,3.7			¶621650539
JMA	XII	12 21 49 42.6–.20	24N–2.0	127E–1.0	102–3	2.9,3.7			
ISC	Event type ke.								
JMA	Event type ke. NEAR MIYAKOJIMA ISLAND .								
ISC	**XII**	**12 22 30 44.9–.45**	**24.21N–.03**	**126.71E–.03**	**12–2**	**5.0b,4.3s**	**543**	**1-164**	
IDC	XII	12 22 30 42.9–.47	24.14N	126.59E	0	4.6b,4.6			¶621627923
MOS	XII	12 22 30 43.0–.90	24.16N	126.71E	12	5.1b,4.5s			
BJI	XII	12 22 30 44.4	24.21N	126.48E	10	4.9b,4.6s			
GFZ	XII	12 22 30 44.2–.21	24N–3.0	127E–3.0	10	5.7b,5.2			
NEIC	XII	12 22 30 44.8–1.6	24.18N–.07	126.65E–.07	10–1	5.1b,4.8			
JMA	XII	12 22 30 45.9–.21	24N–2.0	127E–1.0	96–4	4.8,4.1			
NIED	XII	12 22 30 45.9	24.28N	126.59E	96	4.7W,4.1			
GCMT	XII	12 22 30 47.6–.50	24.14N–.03	126.70E–.06	18–1	4.8W,4.1			
ISC	Event type ke.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
JMA	Event type ke. NEAR MIYAKOJIMA ISLAND .								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.94 $M_{\theta\theta}$0.81 $M_{\phi\phi}$0.13 $M_{r\theta}$-0.27 $M_{\theta\phi}$0.52 $M_{\phi r}$-0.21 NP1:ϕ_s246.00000°,δ36.00000°,λ-84.00000°. NP2:ϕ_s58.00000° ,δ54.00000°,λ-95.00000°. $M_0$1.08000×10^{16}								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112122230A. Moment Tensor Solution. s11,c11; s66,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.90±.22 $M_{\theta\theta}$1.78±.15; $M_{\phi\phi}$0.12±.12; $M_{r\theta}$0.12±.31; $M_{\theta\phi}$0.77±.08; $M_{\phi r}$-0.51±.37; Best double couple: NP1:ϕ_s264.00000°,δ46.00000° ,λ-68.00000°. NP2:ϕ_s53.00000°,δ48.00000°,λ-111.00000°. Principal axes: T 2.0870,Plg1.0000°,Azm158.0000°; N -0.0380,Plg16.0000°,Azm68.0000° ; P -2.0460,Plg74.0000°,Azm252.0000° $M_0$2.06600×10^{16}								
ISC	**XII**	**13 01 53 04.6–1.0**	**29.33N–.03**	**129.44E–.05**	**12–7**	**3.9b**	**39**	**0-75**	
IDC	XII	13 01 53 03.0–.81	29.33N	129.32E	0	3.8b,3.8			¶621650545
JMA	XII	13 01 53 04.4–.10	29.4N–.90	129E–1.0	14–2	3.5,3.8			
NEIC	XII	13 01 53 04.9–2.5	29.33N–.06	129.4E–.10	10–1	4.2b,3.8			
ISC	Event type ke.								
JMA	Event type fe. NEAR TOKARA ISLANDS .								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**15 13 13 35.4–.61**	**24.24N–.07**	**126.63E–.06**	**35**	**4.5s,4.4b**	**49**	**1-97**	
IDC	XII	15 13 13 31.5–1.1	24.26N	126.12E	0	4.4s,4.2b			¶621654113
NEIC	XII	15 13 13 32.1–1.3	24.25N–.02	126.10E–.07	10–1	4.5b,4.2b			
NIED	XII	15 13 13 34.9	24.21N	126.63E	92	4.3W,4.2b			
JMA	XII	15 13 13 34.9–.25	24N–1.0	126.6E–.80	92	3.5,4.2b			
ISC	Event type ke.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NIED	Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$0.56 $M_{r\theta}$3.04 $M_{\theta\phi}$-0.17 $M_{\phi r}$-0.36 NP1:ϕ_s211.00000°,δ6.00000°,λ23.00000°. NP2:ϕ_s98.00000° ,δ87.00000°,λ96.00000°. $M_0$3.09000×10^{15}								
JMA	Event type ke. NEAR MIYAKOJIMA ISLAND .								
ISC	**XII**	**16 19 36 06.8–.65**	**27.70N–.03**	**128.62E–.04**	**70–6**	**4.0b**	**103**	**0-84**	
NIED	XII	16 19 36 06.9	27.80N	128.52E	63	4.1W			¶621655805
JMA	XII	16 19 36 06.9–.12	27.8N–1.0	129E–2.0	63–2	4.3,4.0			
NEIC	XII	16 19 36 07.5–1.9	27.73N–.04	128.51E–.09	70–7	4.2b,4.0			
IDC	XII	16 19 36 07.3–.60	27.71N	128.42E	71–7	3.9,3.6b			
ISC	Event type ke.								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.54 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$1.13 $M_{r\theta}$1.28 $M_{\theta\phi}$-0.89 $M_{\phi r}$0.30 NP1:ϕ_s193.00000°,δ55.00000°,λ-25.00000°. NP2:ϕ_s298.00000° ,δ70.00000°,λ-143.00000°. $M_0$1.81000×10^{15}								
JMA	Event type fe. NEAR AMAMI-OSHIMA ISLAND.								
NEIC	Event type se. Error ellipse: s-maj=12.2km s-min=5.1km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=16.6km s-min=9.2km az=100.0.								
IDC	**XII**	**16 00 26 00.4–1.2**	**24.11N**	**126.42E**	**0**	**3.3,3.2b**			¶621655739
IDC	Error ellipse: s-maj=32.2km s-min=17.7km az=106.0.								
ISC	**XII**	**22 07 07 02.1–.35**	**26.99N–.03**	**126.71E–.03**	**21–3**	**4.5b,4.4s**	**161**	**1-133**	
NIED	XII	22 07 06 57.9	27.11N	126.59E	18	4.8W,4.4s			¶635669879
JMA	XII	22 07 06 57.9–.34	27.1N–.90	127E–1.0	18–3	4.8,4.1			
IDC	XII	22 07 06 58.4–.61	26.92N	126.50E	0	4.3s,4.1b			
NEIC	XII	22 07 07 00.2–2.5	26.80N–.06	126.65E–.05	10–1	4.9b,4.1b			
GCMT	XII	22 07 07 02.1–.40	27.03N–.02	126.61E–.03	12	4.9W,4.1b			
BJI	XII	22 07 07 08.5	26.92N	126.76E	109	4.9b,4.5b			
ISC	Event type ke.								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.90 $M_{\theta\theta}$0.98 $M_{\phi\phi}$-0.08 $M_{r\theta}$-0.04 $M_{\theta\phi}$1.42 $M_{\phi r}$-1.11 NP1:ϕ_s273.00000°,δ49.00000°,λ-25.00000°. NP2:ϕ_s20.00000° ,δ71.00000°,λ-136.00000°. $M_0$2.02000×10^{16}								
JMA	Event type fe. NW OFF OKINAWAJIMA IS .								
IDC	Error ellipse: s-maj=13.9km s-min=12.3km az=37.0.								
NEIC	Event type se. Error ellipse: s-maj=10.7km s-min=8.1km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112220707A. Moment Tensor Solution. s10,c10; s79,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44±.13 $M_{\theta\theta}$1.62±.12; $M_{\phi\phi}$-1.17±.13; $M_{r\theta}$-0.66±.35; $M_{\theta\phi}$2.28±.08; $M_{\phi r}$-1.33±.38; Best double couple: NP1:ϕ_s286.00000°,δ61.00000° ,λ-3.00000°. NP2:ϕ_s17.00000°,δ88.00000°,λ-151.00000°. Principal axes: T 3.3090,Plg19.0000°,Azm148.0000°; N -0.5150,Plg61.0000°,Azm21.0000° ; P -2.7870,Plg22.0000°,Azm246.0000° $M_0$3.04800×10^{16}								
ISC	**XII**	**20 12 40 27.4–1.3**	**28.77N–.03**	**130.00E–.05**	**24–11**	**3.4b**	**36**	**0-76**	
JMA	XII	20 12 40 27.8–.20	28.8N–.70	130E–1.0	31	3.6			¶621685611
NIED	XII	20 12 40 27.8	28.80N	129.91E	31	3.9W			
IDC	XII	20 12 40 35.0–5.2	28.63N	130.01E	94–47	3.4,3.2b			
ISC	Event type ke.								
JMA	Event type ke. NEAR AMAMI-OSHIMA ISLAND.								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.71 $M_{\theta\theta}$3.79 $M_{\phi\phi}$-1.07 $M_{r\theta}$-0.11 $M_{\theta\phi}$-2.35 $M_{\phi r}$6.33 NP1:ϕ_s266.00000°,δ33.00000°,λ-158.00000°. NP2:ϕ_s158.00000° ,δ78.00000°,λ-59.00000°. $M_0$7.27000×10^{14}								
IDC	Error ellipse: s-maj=44.2km s-min=28.2km az=68.0.								
ISC	**XII**	**19 00 18 41.8–.79**	**27.97N–.06**	**127.69E–.06**	**150–7**	**3.5b**	**38**	**1-77**	
IDC	XII	19 00 18 41.1–.84	28.06N	127.68E	139–9	3.7,3.6s			¶621657044
JMA	XII	19 00 18 43.2–.22	28N–1.0	128E–2.0	133–4	3.4,3.6s			
ISC	Event type ke.								
JMA	Event type ke. NW OFF OKINAWAJIMA IS .								
JMA	**XII**	**25 04 37 17.6–.11**	**30.0N–.40**	**130.5E–.40**	**19–1**	**3.7**			
NIED	XII	25 04 37 17.6	29.97N	130.54E	19	3.9W			¶635671652
JMA	Event type fe. NEAR AMAMI-OSHIMA ISLAND.								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.26 $M_{\theta\theta}$-2.01 $M_{\phi\phi}$2.27 $M_{r\theta}$-0.91 $M_{\theta\phi}$-5.79 $M_{\phi r}$-4.76 NP1:ϕ_s101.00000°,δ52.00000°,λ-178.00000°. NP2:ϕ_s10.00000° ,δ89.00000°,λ-38.00000°. $M_0$7.85000×10^{14}								
ISC	**XII**	**25 09 32 35.0–.63**	**24.89N–.08**	**126.78E–.07**	**35**	**4.1b**	**45**	**1-86**	
IDC	XII	25 09 32 30.7–.94	24.79N	126.51E	0	3.8b,3.8			¶621700141
NEIC	XII	25 09 32 31.9–.58	24.82N–.10	126.68E–.10	10–1	4.6b,3.8			
JMA	XII	25 09 32 34.3–.17	25N–1.0	126.8E–.90	75	3.2,3.8			
ISC	Event type ke.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
JMA	Event type ke. NEAR MIYAKOJIMA ISLAND .								
ISC	**XII**	**25 22 34 14.7–1.1**	**25.31N–.08**	**127.70E–.06**	**27**	**3.6b**	**21**	**1-45**	
IDC	XII	25 22 34 12.0–3.5	25.33N	127.37E	0	3.6b,3.6			¶621700174
JMA	XII	25 22 34 15.7–.45	25N–2.0	128E–1.0	56	3.1,3.6			
ISC	Event type ke.								

JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC XII 31 14 23 38.4–.56 29.99N–.04 130.79E–.06 39–3 3.9b,3.3s 86 0-82
JMA XII 31 14 23 38.2–.11 30.0N–.50 130.8E–.30 28–0 3.8,3.3s **¶621726065**
NIED XII 31 14 23 38.2 29.98N 130.81E 28 4.1W,3.3s
IDC XII 31 14 23 39.6–1.3 30.05N 130.63E 50–11 3.8,3.6b
NEIC XII 31 14 23 47.9–1.3 32.19N–.05 129.96E–.08 10–1 4.1b,3.6b
ISC Event type ke.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.82 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-0.61 $M_{r\theta}$0.77 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.86 NP1:ϕ_s202.00000°,δ18.00000°,λ73.00000°. NP2:ϕ_s40.00000° ,δ73.00000°,λ96.00000°. M_o1.41000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 02 37 38.7–1.2 29.28N–.05 130.61E–.09 35 3.7b 18 1-75
IDC XII 28 02 37 22.6–17 27.40N 130.85E 0 3.6b,3.6 **¶621717358**
JMA XII 28 02 37 38.7–.15 29.3N–.60 131E–1.0 65 2.7,3.6
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.

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ISC VII 05 19 27 12.5–1.3 29.71N–.05 131.2E–.10 35 3.3b 25 1-71
IDC VII 05 19 26 58.7–1.7 29.34N 132.73E 0 3.5b,3.5 **¶620927984**
JMA VII 05 19 27 11.0–.24 29.7N–.80 131.2E–1.0 41–2 3.1,3.5
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC VII 07 13 32 04.5–3.1 24.23N–.05 127.20E–.04 15–20 4.2b 93 2-67
IDC VII 07 13 32 03.4–.83 24.13N 127.08E 0 3.9,3.8b **¶620928118**
NEIC VII 07 13 32 04.5–1.2 24.18N–.08 127.18E–.08 10–1 4.3b,3.8b
JMA VII 07 13 32 06.9–.29 24N–1.0 127E–1.0 92 3.2,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC IX 12 15 55 58.9–1.0 24.95N–.07 127.95E–.06 50 3.5b 20 1-49
IDC IX 12 15 55 57.5–4.8 24.24N 126.39E 0 3.4b,3.4 **¶621109665**
JMA IX 12 15 55 58.0–.42 25N–2.0 128E–1.0 72 3.2,3.4
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
JMA VII 22 06 14 10.5–.18 29.6N–.80 131E–1.0 62–3 2.6
¶626156932
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
JMA VIII 26 02 17 32.8–.26 28.2N–.80 131E–1.0 77 2.1
¶626304939
JMA Event type ke. N PHILIPPINE BASIN .
ISC VIII 27 13 11 25.1–3.2 23.96N–.05 126.97E–.04 8–21 4.0b 65 2-57
IDC VIII 27 13 11 25.0–.94 23.86N 126.81E 0 3.9b,3.9 **¶621072153**
NEIC VIII 27 13 11 26.0–1.7 23.95N–.08 127.2E–.10 10–1 4.2b,3.9
JMA VIII 27 13 11 29.0–.29 24N–2.0 126.8E–1.0 110 3.4,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
JMA IX 21 18 55 58.4–.10 26.9N–.60 130.2E–.70 63 2.1
¶626504403
JMA Event type ke. NEAR MINAMI-DAITOJIMA IS.
JMA X 20 19 30 22.1–.07 26.8N–.50 130.4E–.60 51 3.8
NIED X 20 19 30 22.1 26.85N 130.40E 51 3.8W **¶626638513**
JMA Event type ke. NEAR MINAMI-DAITOJIMA IS.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.68 $M_{\theta\theta}$3.49 $M_{\phi\phi}$1.19 $M_{r\theta}$3.36 $M_{\theta\phi}$1.60 $M_{\phi r}$1.01 NP1:ϕ_s58.00000°,δ26.00000°,λ-100.00000°. NP2:ϕ_s249.00000° ,δ64.00000°,λ-85.00000°. M_o5.70000×10^{14}
ISC X 13 06 43 44.7–1.9 28.94N–.05 131.53E–.06 30–14 4.0b 74 2-87
IDC X 13 06 43 40.3–.73 28.98N 131.73E 0 3.8b,3.8 **¶621238954**
NEIC X 13 06 43 42.9–1.5 28.92N–.05 131.55E–.06 10–1 4.4b,3.8
JMA X 13 06 43 45.8–.19 29.0N–.60 131E–1.0 87–4 4.1,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC X 22 06 56 49.5–999 24.16N 128.49E 0
¶621309315
IDC Error ellipse: s-maj=624.4km s-min=257.0km az=132.0.
ISC XI 10 15 45 13.6–.35 23.53N–.02 126.48E–.02 14–1 6.5s,6.3b 3186 2-178
BJI XI 10 15 45 09.1 23.50N 126.55E 10 6.8s,6.8 **¶621391510**
PTWC XI 10 15 45 10 23.40N 126.50E 10 6.6,6.8
MOS XI 10 15 45 11.4–.98 23.58N 126.52E 10 6.6s,6.5b
IDC XI 10 15 45 11.8–.32 23.56N 126.41E 0 6.3s,5.9L
IPGP XI 10 15 45 13.0 23.54N 126.48E 13 6.5W,5.9L
NEIC XI 10 15 45 13.8 23.57N 126.45E 13 6.5W,5.9L
NEIC XI 10 15 45 13.7–1.6 23.59N–.05 126.45E–.07 12–1 6.4b,6.4
NEIC XI 10 15 45 13.8 23.57N 126.45E 13 6.4b,6.4
NEIC XI 10 15 45 13.3 23.56N 126.46E 10 6.4b,6.4
ISC-P XI 10 15 45 13 23.59N 126.45E 37–0 6.8,6.4
NIED XI 10 15 45 14.6 23.73N 126.37E 115 6.4W,6.4
GFZ XI 10 15 45 14.0 23.56N 126.40E 20 6.5W,6.4
GFZ XI 10 15 45 14.5–.06 24N–1.0 126E–1.0 20 6.8b,6.7
TAP XI 10 15 45 14.9 23.55N 126.14E 10–3 6.5L,6.7
JMA XI 10 15 45 14.6–.22 24N–2.0 126E–1.0 115–4 6.6W,6.5
BGR XI 10 15 45 18.6 23.41N 125.45E 33 7.2s,6.9
GCMT XI 10 15 45 18.3–.00 23.54N 126.31E 22–0 6.6W,6.9
NEIC XI 10 15 45 23.9 23.34N 126.25E 29 6.6,6.9
NEIC XI 10 15 45 25.7 23.56N 126.35E 26 6.6,6.9
ISC Event type ke.
MOS Error ellipse: s-maj=5.7km s-min=3.4km az=113.5.
IDC Error ellipse: s-maj=10.5km s-min=7.9km az=104.0.
IPGP Moment Tensor Solution. NP1:ϕ_s252.00000°,δ42.00000°,λ-104.00000°. NP2:ϕ_s90.00000° ,δ49.00000°,λ-78.00000°.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.3km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-3.26 $M_{\theta\theta}$5.41 $M_{\phi\phi}$-2.15 $M_{r\theta}$-0.46 $M_{\theta\phi}$1.73 $M_{\phi r}$0.03 NP1:ϕ_s86.37000°,δ48.50000°,λ-77.74000°. NP2:ϕ_s248.21000°,δ42.95000° ,λ-103.49000°. Principal axes: T 5.8093,Plg3.0000°,Azm168.0000°; N -2.5069,Plg9.0000° ,Azm258.0000°; P -3.3024,Plg80.0000°,Azm61.0000° M_o5.05000×10^{18}
NEIC Event type se.
NEIC Event type se.
ISC-P Moment Tensor Solution. s45 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.71±.07 $M_{\theta\theta}$0.65±.17; $M_{\phi\phi}$0.08±.17; $M_{r\theta}$0.05±.13; $M_{\theta\phi}$-0.09±.12; $M_{\phi r}$0.16±.33; NP1:ϕ_s67.90000°,δ44.40000° ,λ259.70000°. NP2:ϕ_s262.10000°,δ46.50000°,λ-80.10000°. M_o1.78000×10^{19}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.65 $M_{\theta\theta}$4.64 $M_{\phi\phi}$-0.98 $M_{r\theta}$-1.87 $M_{\theta\phi}$1.37 $M_{\phi r}$-0.18 NP1:ϕ_s251.00000°,δ34.00000°,λ-99.00000°. NP2:ϕ_s82.00000° ,δ57.00000°,λ-84.00000°. M_o4.70000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-6.44 $M_{\theta\theta}$6.79 $M_{\phi\phi}$-0.35 $M_{r\theta}$-1.70 $M_{\theta\phi}$1.35 $M_{\phi r}$1.46 NP1: ϕ_s94.22642°,δ52.78728°,λ-71.27993°. NP2:ϕ_s244.96337°,δ41.03884°,λ-112.91058°. Principal axes: T 7.1893,Plg6.0678°,Azm171.0341°; N -0.1341,Plg14.8091°,Azm262.6445° ; P -7.0552,Plg73.9430°,Azm59.3601° M_o7.12318×10^{18}
GFZ Error ellipse: s-maj=2.8km s-min=2.6km az=76.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
TAP D.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111101545A. Moment Tensor Solution. s166,c404; s166,c764;Duration: 4s8 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.82±.00 $M_{\theta\theta}$0.94±.00; $M_{\phi\phi}$-0.12±.00; $M_{r\theta}$-0.11±.01; $M_{\theta\phi}$0.25±.00; $M_{\phi r}$0.15±.01; Best double couple: NP1:ϕ_s243.00000°,δ44.00000°,λ-110.00000°. NP2:ϕ_s91.00000°,δ49.00000°,λ-71.00000°. Principal axes: T 0.9980,Plg2.0000°,Azm168.0000°; N -0.1360,Plg14.0000°,Azm258.0000° ; P -0.8630,Plg76.0000°,Azm68.0000° M_o0.93000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 11s5 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.93 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-0.14 $M_{r\theta}$-0.48 $M_{\theta\phi}$0.19 $M_{\phi r}$-0.13 NP1:ϕ_s77.70000°,δ58.09000° ,λ-94.10000°. NP2:ϕ_s265.43000°,δ32.15000°,λ-83.45000°. Principal axes: T 1.2116,Plg13.0000°,Azm171.0000°; N -0.1689,Plg3.0000°,Azm80.0000° ; P -1.0427,Plg77.0000°,Azm335.0000° M_o1.13000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 10s1 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.81 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-0.13 $M_{r\theta}$-0.35 $M_{\theta\phi}$0.24 $M_{\phi r}$0.23 NP1:ϕ_s238.11000°,δ39.49000° ,λ-122.00000°. NP2:ϕ_s97.11000°,δ57.36000°,λ-66.41000°. Principal axes: T 1.0437,Plg9.0000°,Azm170.0000°; N -0.0784,Plg20.0000°,Azm264.0000° ; P -0.9653,Plg68.0000°,Azm56.0000° M_o1.01000×10^{19}
ISC X 26 06 11 01.0–.93 24.44N–.06 127.21E–.05 31 3.9b 43 2-74
IDC X 26 06 10 57.7–.98 24.29N 127.13E 0 3.8b,3.8 **¶621366461**
NIED X 26 06 11 01.9 24.51N 127.22E 70 4.2W,3.8
JMA X 26 06 11 01.9–.28 25N–1.0 127E–1.0 70 3.6,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.97 $M_{\theta\theta}$0.38 $M_{\phi\phi}$0.59 $M_{r\theta}$-0.43 $M_{\theta\phi}$0.28 $M_{\phi r}$-1.76 NP1:ϕ_s221.00000°,δ14.00000°,λ-66.00000°. NP2:ϕ_s16.00000° ,δ77.00000°,λ-96.00000°. M_o2.00000×10^{15}
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XI 18 17 54 07.7–.59 26.53N–.03 130.02E–.03 19–2 4.9b,4.5s 480 1-125
IDC XI 18 17 54 04.7–.56 26.53N 130.00E 0 4.4b,4.4 **¶621416074**
BJI XI 18 17 54 04.4 26.50N 129.92E 7 4.7b,4.5s
MOS XI 18 17 54 05.5–.94 26.55N 129.94E 16 5.0b,4.5s
GFZ XI 18 17 54 06.8–.26 26N–5.0 130E–4.0 10 5.8b,5.4
NEIC XI 18 17 54 06.3–1.8 26.52N–.06 130.01E–.05 10–1 5.0b,5.4
NIED XI 18 17 54 07.0 26.55N 129.98E 46 4.5W,5.4
JMA XI 18 17 54 07.0–.08 26.6N–.60 130.0E–.50 46 4.5,4.3
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-6.32 $M_{\theta\theta}$4.93 $M_{\phi\phi}$1.39 $M_{r\theta}$-1.76 $M_{\theta\phi}$3.88 $M_{\phi r}$-1.62 NP1:ϕ_s242.00000°,δ36.00000°,λ-83.00000°. NP2:ϕ_s53.00000° ,δ55.00000°,λ-95.00000°. M_o7.28000×10^{15}
JMA Event type ke. NEAR MINAMI-DAITOJIMA IS.
ISC XI 11 01 12 07.6–1.8 23.64N–.06 126.23E–.04 16–11 4.4b 51 1-138
IDC XI 11 01 12 06.1–6.5 23.49N 126.04E 0 4.0L,4.0 **¶621449496**
NEIC XI 11 01 12 07.7–1.8 23.67N–.09 126.24E–.05 10–1 4.5b,4.0
JMA XI 11 01 12 10.4–.23 24N–2.0 126E–1.0 125–4 3.3,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XI 11 20 53 22.7–1.1 23.31N–.03 126.37E–.03 16–6 4.8b,3.7s 491 2-170
IDC XI 11 20 53 20.5–.38 23.31N 126.28E 0 4.6b,4.6 **¶621399221**
BJI XI 11 20 53 21.0 23.39N 126.30E 7 4.8b,4.5b
GFZ XI 11 20 53 22.9–.27 23N–3.0 126E–3.0 10 5.1b,4.8
NEIC XI 11 20 53 22.3–1.7 23.33N–.06 126.33E–.07 10–1 5.0b,4.8
JMA XI 11 20 53 24.8–.25 24N–1.0 126.2E–.90 133 4.4,4.3
GCMT XI 11 20 53 24.9–.30 23.36N–.02 126.33E–.04 18–1 4.7W,4.3
NIED XI 11 20 53 24.8 23.70N 126.15E 133 4.6W,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=12.9km s-min=8.6km az=92.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.6km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111112053A. Moment Tensor Solution. s23,c23; s90,c122; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.12 $M_{\theta\theta}$1.47±.07; $M_{\phi\phi}$0.21±.06; $M_{r\theta}$0.09±.16; $M_{\theta\phi}$0.10±.05; $M_{\phi r}$-0.29±.23; Best double couple: NP1:ϕ_s77.00000°,δ45.00000° ,λ-102.00000°. NP2:ϕ_s274.00000°,δ47.00000°,λ-78.00000°. Principal axes: T 1.4790,Plg1.0000°,Azm356.0000°; N 0.2550,Plg9.0000°,Azm86.0000° ; P -1.7360,Plg81.0000°,Azm258.0000° M_o1.60700×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-6.84 $M_{\theta\theta}$5.89 $M_{\phi\phi}$0.95 $M_{r\theta}$6.74 $M_{\theta\phi}$1.18 $M_{\phi r}$0.38 NP1:ϕ_s72.00000°,δ22.00000°,λ-101.00000°. NP2:ϕ_s264.00000° ,δ68.00000°,λ-86.00000°. M_o9.36000×10^{15}
ISC XI 11 04 21 18.0–1.9 23.76N–.06 126.33E–.04 13–11 4.2b 47 1-75
IDC XI 11 04 21 16.8–.99 23.60N 126.22E 0 3.9b,3.9 **¶621449503**
NEIC XI 11 04 21 18.2–1.5 23.75N–.09 126.31E–.09 10–1 4.6b,3.9
JMA XI 11 04 21 20.0–.26 24N–2.0 126E–1.0 111–4 2.9,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XI 12 22 55 06.9–1.4 26.75N–.03 130.30E–.05 7–10 4.1b,3.0s 73 1-89
IDC XI 12 22 55 06.4–.69 26.77N 130.29E 0 3.9b,3.9 **¶621460227**
NEIC XI 12 22 55 07.9–2.1 26.75N–.06 130.36E–.05 10–1 4.4b,3.9
NIED XI 12 22 55 09.1 26.70N 130.28E 50 3.8W,3.9
JMA XI 12 22 55 09.1–.06 26.7N–.50 130.3E–.50 50 4.2,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.44 $M_{\theta\theta}$3.73 $M_{\phi\phi}$0.72 $M_{r\theta}$-0.54 $M_{\theta\phi}$2.80 $M_{\phi r}$4.55 NP1:ϕ_s84.00000°,δ41.00000°,λ-40.00000°. NP2:ϕ_s207.00000° ,δ65.00000°,λ-124.00000°. M_o6.64000×10^{14}
JMA Event type ke. NEAR MINAMI-DAITOJIMA IS.
ISC XII 02 19 03 30.2–3.6 24.36N–.07 127.34E–.05 10–24 3.4b 35 2-48
IDC XII 02 19 03 30.4–1.1 24.30N 127.15E 0 3.6,3.5L **¶621629903**
JMA XII 02 19 03 33.0–.27 24N–1.0 127E–1.0 82 3.0,3.5L
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
IDC XI 29 01 03 33.0–999 25.55N 129.51E 0
¶621626944
IDC Error ellipse: s-maj=516.1km s-min=206.1km az=42.0.
IDC XII 13 22 46 10.2–909 27.87N 131.33E 0
¶621650607
IDC Error ellipse: s-maj=420.9km s-min=179.1km az=43.0.
ISC XII 03 05 41 29.7–1.9 28.75N–.03 131.03E–.05 24–13 4.3b 94 1-90
IDC XII 03 05 41 26.2–.74 28.86N 131.05E 0 4.0b,4.0 **¶621630565**
NEIC XII 03 05 41 28.5–1.5 28.79N–.08 130.91E–.04 10–1 4.4b,4.0
JMA XII 03 05 41 30.0–.14 28.8N–.40 131E–1.0 77–3 4.0,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC XII 25 04 14 52.2–2.7 23.76N–.07 126.36E–.05 10–16 3.8b 42 1-81
IDC XII 25 04 14 51.1–.88 23.59N 126.33E 0 3.9,3.8b **¶621700135**
NEIC XII 25 04 14 52.8–1.8 23.71N–.10 126.28E–.03 10–1 4.2b,3.8b
JMA XII 25 04 14 54.8–.24 24N–1.0 126.3E–.80 111 3.2,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XII 21 13 52 42.3–2.7 23.72N–.07 126.27E–.04 8–16 3.7b 39 1-48
IDC XII 21 13 52 42.9–1.1 23.71N 126.11E 0 3.7L,3.7b **¶621685688**
JMA XII 21 13 52 45.6–.20 24N–2.0 126E–1.0 99–4 3.3,3.7b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC XII 26 12 45 11.9–1.0 24.80N–.06 128.04E–.05 29 3.8b 22 1-49
IDC XII 26 12 45 10.0–1.2 24.66N 127.87E 0 3.8b,3.8 **¶621700218**
JMA XII 26 12 45 12.8–.28 25N–1.0 128E–1.0 80 3.0,3.8
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .

SEISMIC REGION 21.
Taiwan.

(243) Taiwan region.

ISC VII 01 04 24 44.7–1.3 24.81N–.03 122.46E–.03 9–10 100 0-2
TAP VII 01 04 24 45.6 24.81N 122.44E 21–0 3.0L ¶626034260
JMA VII 01 04 24 46.3–.08 24.8N–.70 122.5E–.20 22 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 01 07 58 12.9–1.1 24.89N–.03 122.39E–.03 10–10 71 0-2
JMA VII 01 07 58 12.8–.18 25N–1.0 122.4E–.40 5 2.6 ¶626034263
TAP VII 01 07 58 13.9 24.91N 122.34E 12–0 2.4L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VII 01 11 23 18.0–1.2 24.79N–.02 122.40E–.02 8–9 157 0-3
TAP VII 01 11 23 19.4 24.79N 122.32E 10–0 3.5L ¶626034268
JMA VII 01 11 23 20.2–.12 24.7N–.90 122.3E–.30 47–2 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 01 11 53 11.3–1.0 24.75N–.02 122.30E–.02 7–9 87 0-2
TAP VII 01 11 53 11.1 24.78N 122.27E 10–0 2.6L ¶626034274
JMA VII 01 11 53 11.2–.18 24.7N–.60 122.3E–.10 1–1 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 01 14 36 27.4–.94 24.79N–.02 122.34E–.02 14–7 245 0-5
JMA VII 01 14 36 27.4–.16 24.8N–.90 122.4E–.30 9–3 2.4 ¶626034276
TAP VII 01 14 36 27.5 24.81N 122.31E 16–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VII 01 17 35 50.2–1.2 24.85N–.03 122.48E–.02 6–9 155 0-2
TAP VII 01 17 35 52.7 24.78N 122.38E 15–0 3.3L ¶626034279
JMA VII 01 17 35 53.3–.10 25N–1.0 122.4E–.40 37–2 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP VII 01 20 21 11.9 23.93N 122.63E 38–2 2.2L
¶626034286
TAP D.
ISC VII 01 21 41 35.8–1.4 24.59N–.04 122.54E–.03 96–7 197 0-3
TAP VII 01 21 41 35.1 24.66N 122.53E 102–0 3.3L ¶626034288
JMA VII 01 21 41 35.7–.13 24N–1.0 122.5E–.30 98–1 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 02 05 47 50.6–2.1 25.40N–.08 122.73E–.03 203–11 139 1-4
TAP VII 02 05 47 50.6 25.49N 122.75E 202–0 3.9L ¶626034301
JMA VII 02 05 47 52.2–.30 25N–3.0 122.7E–.70 194–3 3.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 03 00 50 14.8–.99 24.72N–.03 122.38E–.02 12–9 65 0-2
TAP VII 03 00 50 14.8 24.74N 122.35E 8–0 2.9L ¶626034329
JMA VII 03 00 50 15.0–.26 25N–2.0 122.4E–.60 10 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 03 01 10 53.5–1.0 24.75N–.03 122.41E–.02 23–11 65 0-2
TAP VII 03 01 10 53.1 24.75N 122.40E 15–2 2.9L ¶626034330
JMA VII 03 01 10 54.0–.10 25N–1.0 122.4E–.30 32–2 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 03 07 54 31.5–1.0 24.76N–.02 122.42E–.02 12–8 180 0-4
TAP VII 03 07 54 32.0 24.75N 122.35E 12–0 3.8L ¶626034341
JMA VII 03 07 54 32.3–.15 25N–4.0 122E–1.0 32–4 3.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 03 10 27 15.5–1.1 24.91N–.02 122.42E–.03 14–8 164 0-4
JMA VII 03 10 27 15.4–.14 24.9N–1.0 122.4E–.40 0 2.4 ¶626034347
TAP VII 03 10 27 15.9 24.94N 122.41E 20–0 3.5L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VII 03 21 19 28.3–1.5 24.44N–.04 122.64E–.03 84–8 153 0-2
TAP VII 03 21 19 27.8 24.48N 122.66E 87–0 3.2L ¶626034369
JMA VII 03 21 19 28.2–.13 24N–1.0 122.6E–.40 81–1 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 04 01 43 11.6–1.5 24.60N–.03 122.18E–.02 36–1 95 0-3
JMA VII 04 01 43 10.9–.21 24.5N–.80 122.2E–.30 55–3 2.3 ¶626034376
TAP VII 04 01 43 11.9 24.59N 122.06E 48–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VII 04 09 06 19.1–1.0 24.72N–.02 122.39E–.02 9–9 102 0-2
TAP VII 04 09 06 18.8 24.76N 122.37E 12–0 2.9L ¶626034384
JMA VII 04 09 06 19.6–.10 25N–2.0 122.5E–1.0 31 1.8
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 04 11 02 19.1–1.4 24.67N–.03 122.06E–.03 68–7 110 0-2
TAP VII 04 11 02 18.9 24.65N 122.04E 67–0 3.1L ¶626034388
JMA VII 04 11 02 19.6–.15 25N–2.0 122.2E–.60 45 2.2
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC VII 04 12 45 40.1–1.0 24.75N–.03 122.44E–.02 13–10 59 0-2
TAP VII 04 12 45 39.4 24.76N 122.47E 16–1 2.5L ¶626034394
JMA VII 04 12 45 40.9–.17 25N–3.0 122E–1.0 12–3 1.8
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 04 14 44 46.9–1.3 24.00N–.06 122.61E–.03 56–11 82 0-2
JMA VII 04 14 44 46.8–.15 24N–2.0 122.6E–.60 54–4 2.3 ¶626034401
TAP VII 04 14 44 46.8 24.13N 122.58E 63–0 2.7L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VII 04 18 04 46.4–1.0 24.83N–.03 122.40E–.02 19–3 107 0-2
TAP VII 04 18 04 46.7 24.82N 122.32E 8–0 3.4L ¶626140302
JMA VII 04 18 04 47.3–.11 25N–2.0 122.4E–1.0 38 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 04 18 35 52.9–1.2 24.78N–.03 122.37E–.02 21–3 80 0-2
TAP VII 04 18 35 52.6 24.79N 122.35E 15–0 3.4L ¶626034406
JMA VII 04 18 35 53.5–.13 25N–1.0 122.4E–.50 27–4 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 04 19 46 18.9–1.1 23.86N–.03 122.77E–.02 24–12 115 0-2
TAP VII 04 19 46 19.8 23.87N 122.75E 23–0 2.7L ¶626034408
JMA VII 04 19 46 20.2–.17 24.0N–.70 122.7E–.70 34 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 04 20 30 18.2–1.7 24.52N–.06 122.78E–.03 95–11 58 0-1
TAP VII 04 20 30 17.5 24.53N 122.79E 95–1 2.7L ¶626034410
JMA VII 04 20 30 18.5–.17 25N–4.0 122.8E–.80 87–2 1.3
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 04 20 59 33.3–.92 24.56N–.04 122.20E–.03 77–6 99 0-39
IDC VII 04 20 59 16.9–38 23.69N 122.58E 0 3.6b,3.5L ¶620927905
TAP VII 04 20 59 32.8 24.56N 122.20E 74–1 4.3L,3.5L
JMA VII 04 20 59 32.8–.17 24.5N–.70 122.2E–.30 76–2 3.7,3.5L
NIED VII 04 20 59 32.8 24.48N 122.18E 76 3.6W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=649.6km s-min=48.8km az=145.0.
TAP B.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}1.49 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-1.49 $M_{r\theta}$-0.90 $M_{\theta\phi}$-1.16 $M_{\phi r}$-2.16 NP1:ϕ_s39.00000°,δ19.00000°,λ105.00000°. NP2:ϕ_s203.00000° ,δ71.00000°,λ85.00000°. M_o2.96000×10^{14}
ISC VII 05 01 51 27.7–.81 24.36N–.03 122.21E–.02 63–5 3.6b 114 0-49
IDC VII 05 01 51 20.1–1.6 24.28N 121.93E 0 3.7b,3.7 ¶620927921
TAP VII 05 01 51 27.1 24.37N 122.18E 66–0 4.2L,3.7
JMA VII 05 01 51 28.1–.12 25N–2.0 122.3E–.80 67–1 3.4,3.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 05 12 43 55.6–1.2 24.76N–.03 122.43E–.03 10–11 73 0-2
TAP VII 05 12 43 56.9 24.75N 122.34E 12–0 2.7L ¶626034423
JMA VII 05 12 43 57.1–.08 25N–2.0 122.5E–.90 38 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 06 08 20 00.7–.97 24.74N–.02 122.42E–.02 14–7 3.5b,2.9s 183 0-83
TAP VII 06 08 20 00.5 24.76N 122.39E 14–0 3.9L,2.9s ¶620928014
IDC VII 06 08 20 00.8–1.1 24.57N 121.92E 0 3.6b,3.6
JMA VII 06 08 20 01.2–.09 25N–1.0 122.4E–.40 36–2 3.5,3.6
NIED VII 06 08 20 01.2 24.71N 122.43E 36 3.9W,3.6
ISC Event type ke.
TAP C.
IDC Error ellipse: s-maj=48.7km s-min=19.4km az=79.0.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}1.24 $M_{\theta\theta}$0.75 $M_{\phi\phi}$-1.99 $M_{r\theta}$6.99 $M_{\theta\phi}$-0.34 $M_{\phi r}$-2.31 NP1:ϕ_s7.00000°,δ5.00000°,λ166.00000°. NP2:ϕ_s110.00000° ,δ89.00000°,λ85.00000°. M_o7.39000×10^{14}
ISC VII 06 08 52 23.5–1.1 24.71N–.02 122.47E–.01 3–9 3.5b 239 0-49
TAP VII 06 08 52 24.9 24.76N 122.37E 9–0 3.7L ¶620928016
JMA VII 06 08 52 25.8–.11 25N–4.0 122E–2.0 28 2.9
IDC VII 06 08 52 27.9–1.4 24.37N 122.28E 0 3.6b,3.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=71.2km s-min=21.6km az=86.0.
ISC VII 06 15 01 20.9–1.1 24.70N–.02 122.46E–.02 20–4 181 0-4
TAP VII 06 15 01 21.9 24.75N 122.35E 14–0 3.2L ¶626034469
JMA VII 06 15 01 22.0–.12 25N–1.0 122.4E–.40 34–3 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 06 16 26 17.2–1.0 24.75N–.02 122.40E–.02 9–8 153 0-3
TAP VII 06 16 26 16.9 24.77N 122.36E 6–0 2.8L ¶626034475
JMA VII 06 16 26 17.6–.16 25N–4.0 122E–2.0 7 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 06 18 57 36.2–.99 23.94N–.02 122.30E–.02 21–2 188 0-3
JMA VII 06 18 57 35.6–.20 24N–1.0 122.3E–.50 18 2.6 ¶626034485
TAP VII 06 18 57 37.0 24.03N 122.29E 23–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VII 06 20 40 05.2–1.0 24.83N–.03 122.43E–.02 14–8 198 0-4
TAP VII 06 20 40 05.9 24.76N 122.38E 11–0 3.5L ¶626034493
JMA VII 06 20 40 06.4–.12 25N–1.0 122.4E–.60 38–3 3.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 06 21 04 22.7–1.1 24.75N–.02 122.43E–.02 10–9 119 0-2
TAP VII 06 21 04 23.1 24.75N 122.38E 12–0 3.1L ¶626034495
JMA VII 06 21 04 24.0–.09 24.7N–1.0 122.4E–.40 37–2 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 06 21 11 06.8–.90 24.66N–.02 122.12E–.02 14–8 69 0-2
JMA VII 06 21 11 07.4–.08 24.6N–.50 122.1E–.30 23 2.5 ¶626034496
TAP VII 06 21 11 07.1 24.69N 122.11E 11–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VII 06 21 19 05.3–1.0 24.73N–.03 122.41E–.02 24–11 62 0-2
TAP VII 06 21 19 04.9 24.75N 122.39E 10–0 2.9L ¶626034497
JMA VII 06 21 19 05.8–.10 25N–1.0 122.4E–.50 36–3 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 06 23 54 31.4–1.2 24.82N–.03 122.50E–.02 8–9 140 0-3
TAP VII 06 23 54 32.8 24.77N 122.42E 12–0 3.5L ¶626034505
JMA VII 06 23 54 34.0–.08 24.7N–1.0 122.4E–.40 37–2 2.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 07 10 07 37.9–1.1 24.74N–.02 122.41E–.02 15–8 128 0-3
TAP VII 07 10 07 38.7 24.75N 122.36E 17–0 3.1L ¶626034511
JMA VII 07 10 07 39.0–.17 25N–2.0 122.4E–.50 36–3 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 07 10 10 41.8–1.0 24.72N–.03 122.40E–.02 23–11 70 0-2
TAP VII 07 10 10 41.8 24.74N 122.36E 20–1 3.1L ¶626034512
JMA VII 07 10 10 42.2–.16 25N–1.0 122.4E–.50 35–2 2.5
ISC Event type ke.
TAP B.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 07 18 47 02.4–.97 24.72N–.02 122.38E–.02 11–8 162 0-3
JMA VII 07 18 47 02.7–.18 24.7N–.80 122.4E–.30 5–3 2.5 ¶626034697
TAP VII 07 18 47 02.1 24.75N 122.37E 17–0 2.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VII 08 07 50 14.0–.94 22.75N–.02 121.37E–.02 32–7 205 0-4
JMA VII 08 07 50 12.8–.09 22.8N–.60 121E–2.0 46–1 3.5 ¶626034770
TAP VII 08 07 50 14.3 22.80N 121.32E 34–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VII 08 09 33 13.6–2.5 24.60N–.05 122.64E–.07 102–14 96 0-2
TAP VII 08 09 33 12.6 24.65N 122.66E 109–0 2.9L ¶626034777
JMA VII 08 09 33 13.4–.25 24N–2.0 122.6E–.70 102–2 2.9L
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 08 12 00 46.0–.96 24.80N–.02 122.42E–.02 15–8 117 0-2
TAP VII 08 12 00 46.0 24.82N 122.42E 19–0 3.1L ¶626034779

JMA VII 08 12 00 46.6–.15 24.7N–.80 122.4E–.30 10–4 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 08 15 48 12.9–1.6 24.84N–.05 122.90E–.03 133–9 161 0-3
TAP VII 08 15 48 11.6 24.96N 122.90E 138–0 3.1L ¶626034807
JMA VII 08 15 48 13.7–.26 25N–2.0 123.0E–.80 123–3 1.4
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 08 16 14 31.1–1.1 24.76N–.02 122.41E–.02 18–3 113 0-2
TAP VII 08 16 14 31.0 24.75N 122.34E 11–0 2.6L ¶626034808
JMA VII 08 16 14 31.6–.12 25N–1.0 122.5E–.60 34–3 1.8
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 08 16 32 27.6–.87 24.86N–.02 122.09E–.02 12–6 93 0-3
JMA VII 08 16 32 27.7–.10 24.9N–.80 122.1E–.50 48 2.2 ¶626034809
TAP VII 08 16 32 27.4 24.84N 122.08E 11–0 2.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VII 08 18 32 01.6–.98 24.74N–.03 122.40E–.02 24–10 80 0-49
TAP VII 08 18 32 00.2 24.74N 122.45E 30–0 3.8L ¶620928193
JMA VII 08 18 32 01.8–.11 25N–1.0 122.4E–.50 38–3 2.8
IDC VII 08 18 32 05.6–2.3 24.61N 122.91E 0 3.6b,3.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=59.3km s-min=21.5km az=108.0.
TAP VII 09 00 45 16.6 24.82N 122.37E 12–0 2.9L
¶626310000
TAP D.
ISC VII 10 05 57 42.9–.99 24.81N–.03 122.43E–.02 13–8 101 0-2
TAP VII 10 05 57 42.9 24.82N 122.42E 19–0 3.4L ¶626034879
JMA VII 10 05 57 43.1–.17 24.8N–.80 122.4E–.30 6–3 3.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 10 06 16 45.1–1.8 21.65N–.09 120.96E–.04 34–2 115 0-8
JMA VII 10 06 16 42.5–.77 22N–3.0 121E–2.0 27 3.7 ¶626034881
TAP VII 10 06 16 45.7 21.69N 121.00E 31–0 3.4L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VII 10 07 06 35.5–1.2 24.86N–.04 122.44E–.03 19–3 51 0-1
TAP VII 10 07 06 34.9 24.91N 122.44E 17–1 2.8L ¶626034882
JMA VII 10 07 06 36.3–.16 25N–1.0 122.4E–.40 22 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 10 09 14 06.8–1.3 23.76N–.05 122.85E–.03 30–12 68 1-2
TAP VII 10 09 14 06.6 23.86N 122.91E 58–0 2.6L ¶626034884
JMA VII 10 09 14 07.0–.17 23.9N–.80 122.8E–.70 58 1.8
ISC Event type ke.
TAP D.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC VII 10 10 56 19.1–1.2 24.85N–.03 122.40E–.03 12–9 141 0-2
TAP VII 10 10 56 20.7 24.77N 122.34E 13–0 2.9L ¶626034888
JMA VII 10 10 56 21.4–.10 24.7N–1.0 122.4E–.30 39 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 10 12 58 28.8–1.0 24.75N–.03 122.43E–.02 12–9 87 0-2
TAP VII 10 12 58 28.5 24.78N 122.42E 15–0 2.8L ¶626034889
JMA VII 10 12 58 29.1–.16 25N–1.0 122.4E–.40 7 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 10 19 06 19.4–1.2 24.32N–.02 122.19E–.02 61–5 304 0-5
JMA VII 10 19 06 19.1–.13 24.2N–.60 122.2E–.30 60–1 3.1 ¶626034891
TAP VII 10 19 06 19.8 24.33N 122.13E 59–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VII 10 19 31 59.7–1.2 23.89N–.04 122.63E–.02 10–9 74 0-2
TAP VII 10 19 32 00.7 23.95N 122.67E 29–0 2.9L ¶626034892
JMA VII 10 19 32 01.8–.21 24N–1.0 122.6E–.50 27–3 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 10 19 50 56.1–1.0 23.96N–.03 122.65E–.02 27–10 114 0-2
JMA VII 10 19 50 56.8–.21 24N–1.0 122.6E–.60 27–3 2.3 ¶626034895
TAP VII 10 19 50 56.1 23.98N 122.70E 34–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VII 10 19 58 44.7–1.1 23.97N–.04 122.62E–.02 25–11 66 0-2
TAP VII 10 19 58 45.4 24.07N 122.62E 23–0 2.7L ¶626034897
JMA VII 10 19 58 45.4–.21 24N–2.0 122.6E–.60 30–4 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 10 22 25 39.2–1.3 24.65N–.03 122.83E–.03 103–6 256 0-5
JMA VII 10 22 25 39.3–.18 25N–3.0 122.8E–.60 104–1 1.6 ¶626034908
TAP VII 10 22 25 39.5 24.67N 122.82E 99–0 3.2L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
JMA VII 11 00 47 28.2–.14 25N–1.0 122.5E–.40 10 2.2
¶626517533
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 11 11 18 15.2–1.2 24.85N–.04 122.48E–.03 9–10 69 0-2
TAP VII 11 11 18 14.5 24.87N 122.44E 2–0 2.8L ¶626034954
JMA VII 11 11 18 15.8–.05 24.8N–.30 122.5E–.30 15–2 2.8L
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 11 11 22 37.5–1.1 24.87N–.03 122.52E–.03 15–8 154 1-2
TAP VII 11 11 22 37.9 24.90N 122.50E 21–0 2.7L ¶626034955
JMA VII 11 11 22 38.7–.11 24.8N–.80 122.6E–.40 41 1.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 12 03 59 58.3–1.0 24.86N–.04 122.50E–.03 16 54 0-2
TAP VII 12 03 59 58.1 24.90N 122.50E 13–0 3.0L ¶626147095
JMA VII 12 03 59 59.5–.11 24.8N–1.0 122.5E–.70 38–4 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 12 07 30 19.0–.98 24.82N–.02 122.27E–.02 11–8 109 0-2
TAP VII 12 07 30 19.1 24.81N 122.23E 9–0 3.0L ¶626034972
JMA VII 12 07 30 19.9–.09 24.7N–.90 122.3E–.30 33 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 12 10 30 24.7–.98 24.74N–.02 122.40E–.02 16–8 103 0-2
TAP VII 12 10 30 25.2 24.74N 122.34E 14–0 2.7L ¶626034980
JMA VII 12 10 30 25.1–.15 25N–2.0 122.4E–.40 35 1.7
ISC Event type ke.
TAP C.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 12 20 14 46.7–1.1 21.98N–.05 121.28E–.03 31–9 112 0-5
TAP VII 12 20 14 45.6 21.96N 121.26E 44–0 3.3L ¶626034993
JMA VII 12 20 14 47.6–.42 22N–2.0 121.5E–.40 10 3.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 12 21 04 30.3–1.5 24.49N–.06 122.90E–.03 80–8 97 0-2
JMA VII 12 21 04 30.0–.13 24N–2.0 122.9E–.50 82–0 1.7 ¶626034994
TAP VII 12 21 04 30.6 24.56N 122.88E 74–0 2.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VII 12 23 28 42.9–1.2 24.79N–.03 122.42E–.03 18–3 71 0-2
TAP VII 12 23 28 42.9 24.77N 122.42E 14–0 2.6L ¶626034996
JMA VII 12 23 28 44.4–.38 25N–3.0 122.4E–.90 34 2.6L
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 13 05 49 54.3–1.7 25.35N–.06 122.58E–.03 224–9 178 1-5
TAP VII 13 05 49 55.2 25.42N 122.69E 216–0 4.1L ¶626035014
JMA VII 13 05 49 56.7–.37 25N–3.0 122.6E–.90 209–4 3.8
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 13 08 18 18.1–1.0 24.77N–.03 122.32E–.02 23–10 70 0-2
TAP VII 13 08 18 17.7 24.78N 122.31E 11–0 3.1L ¶626035016
JMA VII 13 08 18 18.5–.15 25N–1.0 122.3E–.40 42–4 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 13 11 35 51.8–1.0 24.75N–.03 122.30E–.02 10–10 59 0-1
TAP VII 13 11 35 50.8 24.79N 122.33E 11–0 2.8L ¶626035018
JMA VII 13 11 35 51.6–.17 25N–1.0 122.3E–.30 0 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 13 21 49 53.6–.95 24.81N–.02 122.45E–.02 16–8 149 0-3
TAP VII 13 21 49 53.5 24.84N 122.46E 20–0 3.1L ¶626035033
JMA VII 13 21 49 53.9–.13 24.8N–.80 122.5E–.40 13–2 3.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 14 08 37 10.9–.98 24.82N–.03 122.42E–.02 15–9 85 0-2
TAP VII 14 08 37 10.8 24.84N 122.42E 21–0 2.9L ¶626035414
JMA VII 14 08 37 11.0–.22 25N–1.0 122.4E–.30 7–3 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 14 09 11 49.4–.91 24.42N–.02 122.58E–.02 59–5 3.5b 343 0-49
IDC VII 14 09 11 44.8–1.4 24.14N 122.69E 0 3.6L,3.6 ¶620928584
TAP VII 14 09 11 49.0 24.45N 122.57E 57–0 4.3L,3.6
JMA VII 14 09 11 49.0–.12 24N–1.0 122.6E–.50 56–1 3.5,3.6
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 14 10 15 07.1–.00 24.82N–.02 122.41E–.02 12–9 114 0-2
TAP VII 14 10 15 07.0 24.84N 122.41E 15–0 2.8L ¶626035438
JMA VII 14 10 15 07.5–.16 25N–1.0 122.4E–.30 6 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP VII 14 10 34 30.6 24.87N 122.44E 18–1 2.8L
JMA VII 14 10 34 31.7–.11 24.8N–.80 122.5E–.30 32 1.8 ¶626035442
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP VII 14 12 01 18.6 24.76N 122.41E 5–1 2.6L
¶626035454
TAP C.
ISC VII 15 01 08 02.5–.99 24.73N–.02 122.39E–.02 11–8 172 0-3
TAP VII 15 01 08 02.5 24.76N 122.37E 13–0 3.5L ¶626035594
JMA VII 15 01 08 02.6–.15 24.7N–.80 122.4E–.30 6–3 2.9
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VII 15 23 06 29.7–1.0 24.86N–.04 122.44E–.03 20–11 59 0-1
TAP VII 15 23 06 29.2 24.86N 122.44E 21–1 3.8L ¶626035701
JMA VII 15 23 06 30.1–.23 25N–2.0 122E–1.0 25 3.8L
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 16 01 22 52.6–1.1 24.76N–.03 122.46E–.03 17–9 78 0-2
TAP VII 16 01 22 54.5 24.73N 122.29E 11–0 2.8L ¶626035816
JMA VII 16 01 22 54.8–.16 25N–2.0 122.4E–.30 24 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 16 03 24 03.1–1.1 24.87N–.03 122.42E–.03 9–10 59 0-2
JMA VII 16 03 24 02.9–.24 25N–1.0 122.4E–.40 0–2 2.9 ¶626150994
TAP VII 16 03 24 03.5 24.90N 122.40E 15–0 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VII 16 03 49 38.9–1.2 24.84N–.03 122.44E–.03 19–3 78 0-2
TAP VII 16 03 49 38.7 24.86N 122.43E 18–0 2.8L ¶626035831
JMA VII 16 03 49 39.6–.13 24.8N–.90 122.5E–.50 28–4 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 16 07 03 39.7–1.0 24.83N–.04 122.44E–.03 15–9 58 0-2
TAP VII 16 07 03 39.4 24.87N 122.45E 19–1 2.8L ¶626035843
JMA VII 16 07 03 40.1–.22 25N–1.0 122.4E–.50 9 2.6
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 16 07 18 37.4–1.1 24.89N–.03 122.46E–.02 19–2 96 0-2
TAP VII 16 07 18 37.0 24.96N 122.49E 32–0 3.0L ¶626035845
JMA VII 16 07 18 38.0–.20 25N–2.0 122E–1.0 4 3.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 16 07 53 12.0–1.3 24.51N–.04 122.89E–.03 79–7 171 0-3
JMA VII 16 07 53 11.7–.11 25N–2.0 122.9E–.50 78–1 2.3 ¶626035849
TAP VII 16 07 53 11.9 24.57N 122.87E 77–0 3.2L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VII 16 09 19 20.6–.87 24.89N–.02 122.05E–.02 10–6 78 0-2
TAP VII 16 09 19 19.9 24.90N 122.05E 13–0 3.5L ¶626035852
JMA VII 16 09 19 20.9–.14 24.9N–.80 122.0E–.60 28 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 17 05 06 03.7–1.0 24.93N–.02 122.35E–.02 11–8 171 0-3
JMA VII 17 05 06 03.7–.18 25N–1.0 122.3E–.50 0 2.9 ¶626035923
TAP VII 17 05 06 03.2 24.95N 122.35E 14–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VII 17 05 48 25.8–1.1 24.92N–.02 122.41E–.02 8–8 3.9b,3.1s 248 0-50
JMA VII 17 05 48 27.4–.14 25N–1.0 122.4E–.40 43–3 3.3,3.1s ¶620928754

TAP VII 17 05 48 27.1 24.95N 122.31E 14–0 3.9L,3.1s
IDC VII 17 05 48 31.1–1.4 24.46N 123.02E 0 3.7b,3.7
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
IDC Error ellipse: s-maj=66.3km s-min=19.6km az=88.0.
ISC VII 17 10 57 43.1–1.3 24.18N–.05 122.90E–.03 55–8 103 0-3
JMA VII 17 10 57 43.4–.30 24N–2.0 123E–1.0 54 1.5 **¶626035933**
TAP VII 17 10 57 43.0 24.28N 122.87E 56–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VII 18 02 25 17.2–1.5 24.51N–.05 122.61E–.03 92–9 95 0-2
TAP VII 18 02 25 16.1 24.59N 122.63E 99–0 2.9L **¶626035991**
JMA VII 18 02 25 16.8–.21 24N–3.0 122.6E–.60 92–1 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 11 04 30 30.1–1.2 24.75N–.03 122.47E–.03 7–12 58 0-2
TAP VII 11 04 30 30.3 24.78N 122.43E 17–1 2.8L **¶626034949**
JMA VII 11 04 30 31.4–.14 25N–1.0 122.4E–.40 23 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 11 05 37 27.5–1.0 24.82N–.03 122.43E–.02 10–12 61 0-2
JMA VII 11 05 37 27.6–.12 24.8N–.80 122.4E–.30 2 2.5 **¶626034950**
TAP VII 11 05 37 27.0 24.88N 122.44E 15–0 2.4L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VII 11 05 52 39.8–1.0 24.80N–.04 122.44E–.03 17–9 53 0-2
JMA VII 11 05 52 40.0–.15 25N–1.0 122.4E–.40 4 2.1 **¶626034951**
TAP VII 11 05 52 39.5 24.84N 122.46E 19–1 2.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VII 19 06 23 19.1–1.6 24.53N–.05 122.68E–.03 96–9 89 0-2
TAP VII 19 06 23 19.0 24.61N 122.71E 93–0 2.9L **¶626036083**
JMA VII 19 06 23 19.6–.18 24N–2.0 122.7E–.50 91–1 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 19 06 58 41.8–.95 24.73N–.02 122.41E–.02 17–8 170 0-3
TAP VII 19 06 58 41.8 24.75N 122.38E 13–0 3.5L **¶626036084**
JMA VII 19 06 58 42.4–.12 25N–1.0 122.4E–.60 24–4 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 19 20 10 41.1–1.8 21.64N–.06 122.22E–.03 3–11 3.5b 66 1-50
IDC VII 19 20 10 41.4–1.1 21.38N 121.93E 0 3.6L,3.5b **¶620928893**
TAP VII 19 20 10 43.5 21.46N 121.94E 11–1 3.8L,3.5b
JMA VII 19 20 10 48.0–.19 21.6N–.90 122.0E–.40 75 4.0,3.5b
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VII 19 20 12 46.6–.82 21.53N–.02 121.92E–.04 35 3.7b 75 1-46
IDC VII 19 20 12 41.7–1.1 21.30N 121.86E 0 3.7b,3.7 **¶620928894**
TAP VII 19 20 12 44.2 21.42N 121.84E 18–0 3.9L,3.7
JMA VII 19 20 12 45.9–.47 22N–2.0 121.9E–.60 50 4.6,3.7
MAN VII 19 20 12 45.2 21.42N 121.43E 14 5.1b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=39.2km s-min=20.2km az=72.0.
TAP D.
JMA Event type ke. TAIWAN REGION .
MAN Event type fe.
ISC VII 20 09 42 32.8–.88 24.31N–.02 122.08E–.02 30–5 144 0-2
JMA VII 20 09 42 31.8–.14 24.2N–.70 122.0E–.50 48–2 2.9 **¶626036212**
TAP VII 20 09 42 32.9 24.38N 122.00E 30–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VII 20 01 18 19.7–1.8 25.26N–.06 122.20E–.04 201–10 123 0-3
TAP VII 20 01 18 20.6 25.38N 122.18E 195–0 3.7L **¶626036159**
JMA VII 20 01 18 20.9–.35 25N–3.0 122.2E–.80 190–3 3.1
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VII 20 09 51 30.3–.99 24.78N–.03 122.42E–.02 17–7 70 0-2
JMA VII 20 09 51 30.9–.16 25N–1.0 122.4E–.40 21 2.2 **¶626036221**
TAP VII 20 09 51 30.2 24.79N 122.40E 15–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VII 20 14 19 42.8–2.0 24.90N–.06 122.39E–.04 127–10 123 0-2
TAP VII 20 14 19 43.8 24.92N 122.39E 123–0 3.2L **¶626036237**
JMA VII 20 14 19 43.3–.27 25N–2.0 122.4E–.50 124–2 3.2L
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VII 21 09 26 01.5–1.5 24.34N–.06 122.87E–.03 88–10 78 0-2
JMA VII 21 09 26 01.1–.23 24N–3.0 122.9E–.70 89–2 2.0 **¶626036329**
TAP VII 21 09 26 02.5 24.41N 122.84E 80–0 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VII 23 15 48 52.8–1.0 22.73N–.02 121.58E–.04 25–6 3.5b 67 0-43
TAP VII 23 15 48 53.2 22.74N 121.57E 21–0 3.5L **¶620967924**
IDC VII 23 15 48 57.5–27 24.57N 122.61E 0 3.7b,3.6
ISC Event type se.
TAP B.
IDC Error ellipse: s-maj=490.7km s-min=44.1km az=145.0.
TAP VII 23 00 11 21.9 21.98N 121.12E 31–0 4.1L
¶626036394
TAP C.
ISC VII 27 15 00 09.0–1.6 24.65N–.04 122.06E–.03 78–9 69 0-2
JMA VII 27 15 00 09.4–.17 24.6N–.50 122.1E–.30 72–2 2.0 **¶626036579**
TAP VII 27 15 00 09.4 24.61N 122.05E 72–0 2.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VII 25 07 52 40.3–1.5 24.91N–.04 122.49E–.03 21–5 74 0-2
JMA VII 25 07 52 41.0–.12 24.9N–.90 122.5E–.40 33 3.0 **¶626036472**
TAP VII 25 07 52 40.9 24.89N 122.41E 15–0 3.1L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VII 27 02 45 25.4–.89 24.92N–.02 122.14E–.02 14–6 211 0-4
JMA VII 27 02 45 25.8–.17 25N–1.0 122.1E–.60 28 3.2 **¶626036550**
TAP VII 27 02 45 26.1 24.91N 122.07E 14–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VII 25 20 12 28.8–1.2 24.93N–.04 122.50E–.02 8–8 3.4b 72 0-48
JMA VII 25 20 12 29.9–.18 24.8N–.80 122.5E–.40 7–3 2.6 **¶620973794**
TAP VII 25 20 12 29.6 24.90N 122.47E 13–0 3.4L
IDC VII 25 20 12 29.7–1.6 24.93N 121.92E 0 3.4b,3.4
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
IDC Error ellipse: s-maj=44.1km s-min=27.8km az=84.0.
ISC VII 23 20 10 18.1–1.2 24.57N–.02 122.10E–.03 69–5 276 0-4
JMA VII 23 20 10 17.9–.11 24.5N–.30 122.1E–.30 70–1 3.2 **¶626036414**
TAP VII 23 20 10 18.8 24.56N 122.03E 63–0 3.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VII 29 19 59 12.9–1.1 24.06N–.02 122.47E–.03 33–3 213 0-4
JMA VII 29 19 59 12.0–.08 24.0N–.80 122.5E–.30 40–2 2.4 **¶626036789**
TAP VII 29 19 59 13.2 24.13N 122.42E 36–0 3.1L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VII 28 19 08 05.3–1.1 23.76N–.02 122.52E–.02 5–9 217 0-2
JMA VII 28 19 08 08.6–.12 23.8N–.70 122.5E–.40 39 2.0 **¶626036755**
TAP VII 28 19 08 09.3 23.82N 122.49E 39–0 3.0L
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
TAP C.
ISC VII 28 13 02 36.0–1.9 24.70N–.06 122.34E–.04 105–12 72 0-2
TAP VII 28 13 02 36.6 24.71N 122.24E 106–0 3.1L **¶626036743**
JMA VII 28 13 02 36.8–.19 25N–1.0 122.3E–.40 100–1 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 29 04 33 29.5–.93 23.91N–.02 122.64E–.02 28–6 4.5b,4.0s 290 0-93
IDC VII 29 04 33 25.6–.58 24.06N 122.60E 0 4.1b,4.1 **¶620857932**
BJI VII 29 04 33 27.7 23.96N 122.57E 11 4.7b,4.5s
MOS VII 29 04 33 28.7–1.1 24.17N 122.89E 33 4.4b,4.5s
TAP VII 29 04 33 29.1 23.98N 122.66E 67–0 4.7L,4.5s
GFZ VII 29 04 33 29.3–.20 24N–3.0 123E–3.0 21 4.7b,4.7
NIED VII 29 04 33 29.5 23.94N 122.62E 28 4.7W,4.7
JMA VII 29 04 33 29.5–.26 24N–1.0 122.6E–.60 28–4 4.8,4.8
NEIC VII 29 04 33 30.9–1.5 23.94N–.05 122.73E–.06 35–6 4.7,4.5b
NEIC VII 29 04 33 30.1 23.94N 122.73E 29 4.7,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=13.8km s-min=13.0km az=134.0.
MOS Error ellipse: s-maj=15.0km s-min=10.6km az=103.7.
TAP D.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.50 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$0.45 $M_{r\theta}$0.66 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.68 NP1:ϕ_s296.00000°,δ34.00000°,λ154.00000°. NP2:ϕ_s48.00000° ,δ76.00000°,λ59.00000°. $M_0$1.27000×10^{16}
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.2km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.40 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$0.53 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.77 NP1:ϕ_s298.23000°,δ38.08000°,λ161.12000°. NP2:ϕ_s43.29000°,δ78.49000° ,λ53.45000°. Principal axes: T 1.2540,Plg44.0000°,Azm277.0000°; N 0.0250,Plg36.0000° ,Azm52.0000°; P -1.2790,Plg25.0000°,Azm161.0000° $M_0$1.27000×10^{16}
NEIC Event type se.
ISC VII 27 21 18 58.3–1.6 22.99N–.02 122.56E–.02 20–8 328 1-6
NIED VII 27 21 18 59.5 23.00N 122.55E 46 3.7W **¶620970681**
TAP VII 27 21 18 59.7 22.99N 122.58E 31–0 3.9L
JMA VII 27 21 18 59.5–.16 23.0N–.90 122.5E–.50 46 3.9
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.89 $M_{\theta\theta}$2.69 $M_{\phi\phi}$0.20 $M_{r\theta}$1.14 $M_{\theta\phi}$-0.88 $M_{\phi r}$-1.41 NP1:ϕ_s93.00000°,δ33.00000°,λ-117.00000°. NP2:ϕ_s304.00000° ,δ61.00000°,λ-74.00000°. $M_0$3.44000×10^{14}
TAP C.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA VII 30 05 12 44.8–.21 25N–2.0 122.4E–.70 14 2.8
¶626337058
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 30 05 12 57.0–1.0 24.86N–.03 122.40E–.02 14–8 74 0-3
TAP VII 30 05 12 56.9 24.93N 122.39E 19–0 3.7L **¶626036800**
JMA VII 30 05 12 56.6–.11 24.9N–.70 122.4E–.30 22 3.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP VII 30 05 13 49.1 24.96N 122.43E 20–0 3.0L
¶626036803
TAP D.
ISC VII 31 01 34 07.1–1.3 24.91N–.04 122.42E–.03 22–5 71 0-2
TAP VII 31 01 34 07.2 24.91N 122.38E 19–0 2.7L **¶626036850**
JMA VII 31 01 34 08.1–.25 25N–2.0 122.4E–.60 30 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 30 18 37 52.6–1.1 24.89N–.02 122.41E–.02 5–8 3.7b 139 0-50
TAP VII 30 18 37 52.5 24.93N 122.41E 23–0 3.8L **¶620986083**
JMA VII 30 18 37 52.1–.47 25N–2.0 122.4E–.60 1–4 3.2
IDC VII 30 18 37 54.7–1.1 24.88N 121.52E 0 3.7b,3.6
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=40.2km s-min=19.1km az=72.0.
ISC VII 30 18 39 22.1–1.0 24.90N–.02 122.41E–.02 13–8 143 0-2
TAP VII 30 18 39 22.2 24.92N 122.40E 19–0 3.5L **¶626036829**
JMA VII 30 18 39 22.3–.18 25N–1.0 122.4E–.50 4 3.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 31 13 49 25.5–1.1 24.95N–.02 122.44E–.02 20–4 3.7b,3.2s 211 0-76
JMA VII 31 13 49 25.9–.23 25N–2.0 122.4E–.70 20 2.9,3.2s **¶620986131**
TAP VII 31 13 49 25.3 24.96N 122.43E 19–0 3.9L,3.2s
IDC VII 31 13 49 27.2–1.1 25.15N 121.97E 0 3.6b,3.6
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
IDC Error ellipse: s-maj=31.2km s-min=19.5km az=76.0.
ISC VII 31 13 50 10.4–.99 24.80N–.02 122.36E–.02 18–6 128 0-2
TAP VII 31 13 50 10.8 24.81N 122.31E 14–0 3.4L **¶626036877**
JMA VII 31 13 50 11.7–.15 25N–1.0 122.4E–.40 38 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VII 31 13 59 27.8–1.1 24.90N–.03 122.41E–.03 10–9 153 0-2
JMA VII 31 13 59 28.4–.17 25N–1.0 122.4E–.50 20 1.9 **¶626036879**
TAP VII 31 13 59 28.9 24.90N 122.33E 12–0 3.2L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VII 31 14 00 09.4–1.1 24.91N–.04 122.43E–.03 11–9 91 0-2
JMA VII 31 14 00 09.7–.11 24.9N–.70 122.4E–.30 10 1.7 **¶626036882**
TAP VII 31 14 00 10.0 24.93N 122.42E 14–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VII 31 15 45 34.3–1.1 24.91N–.03 122.45E–.03 16–8 78 0-2
TAP VII 31 15 45 34.8 24.93N 122.39E 13–0 3.2L **¶626036899**
JMA VII 31 15 45 34.8–.20 25N–1.0 122.5E–.60 31 2.4
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VII 31 12 10 25.5–1.2 24.90N–.03 122.42E–.03 19–3 90 0-2
TAP VII 31 12 10 25.9 24.91N 122.36E 17–0 3.0L **¶626036869**
JMA VII 31 12 10 25.8–.12 24.9N–.90 122.4E–.40 24 2.6
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

ISC	**VII**	**31 15 46 01.0–1.1**	**24.95N–.03**	**122.43E–.02**	**15–8**		**122**	**0-2**	
TAP	VII	31 15 46 01.6	24.92N	122.37E	12–0	3.8L	**¶626036902**		
JMA	VII	31 15 46 01.3–.34	25N–1.0	122.4E–.40	1–3	3.2			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**01 23 45 00.5–1.8**	**23.00N–.04**	**122.71E–.03**	**26–17**		**131**	**1-4**	
JMA	VIII	01 23 45 01.0–.27	23N–1.0	122.7E–.90	52	2.8	**¶626036990**		
TAP	VIII	01 23 45 01.1	23.01N	122.73E	29–0	3.1L			
ISC	Event type ke.								
JMA	Event type ke. NEAR ISHIGAKIJIMA ISLAND.								
TAP	C.								
ISC	**VII**	**31 12 54 49.4–1.6**	**24.93N–.04**	**122.46E–.04**	**21–4**		**57**	**0-2**	
TAP	VII	31 12 54 49.5	24.95N	122.43E	22–0	2.6L	**¶626036871**		
JMA	VII	31 12 54 49.5–.36	25N–3.0	122E–1.0	16	2.2			
ISC	Event type ke.								
TAP	D.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
ISC	**VIII**	**01 12 37 39.8–1.0**	**24.87N–.02**	**122.37E–.02**	**12–8**		**125**	**0-2**	
TAP	VIII	01 12 37 39.6	24.91N	122.38E	19–0	2.9L	**¶626036979**		
JMA	VIII	01 12 37 39.8–.25	25N–2.0	122.4E–.70	0	2.3			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**02 00 11 34.0–.51**	**23.03N–.03**	**122.72E–.02**	**10**	**4.0b**	**269**	**1-83**	
IDC	VIII	02 00 11 33.2–.72	23.10N	122.93E	0	3.9b,3.9	**¶620993189**		
NIED	VIII	02 00 11 35.4	22.99N	122.74E	49	3.9W,3.9			
JMA	VIII	02 00 11 35.4–.22	23N–1.0	122.7E–.70	49	4.1,3.9			
NEIC	VIII	02 00 11 35.3–1.8	23.09N–.06	122.62E–.05	10–1	4.2b,3.9			
TAP	VIII	02 00 11 35.8	23.01N	122.73E	28–0	4.1L,3.9			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=20.4km s-min=14.8km az=78.0.								
NIED	Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.62 $M_{\theta\theta}$3.70 $M_{\phi\phi}$0.92 $M_{r\theta}$5.76 $M_{\theta\phi}$-1.68 $M_{\phi r}$1.36 NP1:ϕ_s131.00000°,δ24.00000°,λ-49.00000°. NP2:ϕ_s267.00000° ,δ72.00000°,λ-106.00000°. M_o7.39000×10^{14}								
JMA	Event type ke. FAR S OFF ISHIGAKIJIMA .								
NEIC	Event type se. Error ellipse: s-maj=10.0km s-min=8.0km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
TAP	C.								
ISC	**VIII**	**02 08 49 43.8–1.2**	**24.44N–.03**	**122.72E–.02**	**85–6**		**287**	**0-5**	
TAP	VIII	02 08 49 43.9	24.45N	122.73E	85–0	3.9L	**¶626037140**		
JMA	VIII	02 08 49 43.7–.14	24N–1.0	122.7E–.50	86–1	2.8			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
ISC	**VIII**	**02 00 46 33.0–1.2**	**24.88N–.03**	**122.45E–.04**	**17–9**		**65**	**0-2**	
TAP	VIII	02 00 46 34.0	24.90N	122.36E	10–0	2.9L	**¶626037136**		
JMA	VIII	02 00 46 34.9–.14	25N–1.0	122.4E–.50	30	1.9			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
ISC	**VIII**	**02 09 13 18.2–.98**	**22.65N–.02**	**121.51E–.02**	**16–7**	**3.7b,3.2s**	**217**	**0-80**	
IDC	VIII	02 09 13 16.0–.92	22.66N	121.57E	0	3.8b,3.8	**¶620993231**		
NIED	VIII	02 09 13 16.4	22.46N	121.43E	23	4.0W,3.8			
JMA	VIII	02 09 13 16.4–.19	22.5N–.90	121.4E–.60	23	4.2,3.8			
TAP	VIII	02 09 13 18.7	22.67N	121.44E	21–0	4.3L,3.8			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=19.4km s-min=16.6km az=151.0.								
NIED	Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.43 $M_{\theta\theta}$1.28 $M_{\phi\phi}$-0.85 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.34 $M_{\phi r}$-0.22 NP1:ϕ_s304.00000°,δ74.00000°,λ-14.00000°. NP2:ϕ_s38.00000° ,δ77.00000°,λ-163.00000°. M_o1.16000×10^{15}								
JMA	Event type ke. TAIWAN REGION .								
TAP	C.								
ISC	**VIII**	**03 17 20 01.9–1.2**	**24.93N–.03**	**122.43E–.03**	**23–12**		**102**	**0-2**	
TAP	VIII	03 17 20 01.9	24.95N	122.41E	21–0	2.6L	**¶626037185**		
JMA	VIII	03 17 20 02.4–.22	25N–1.0	122.5E–.50	32	1.9			
ISC	Event type ke.								
TAP	D.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
ISC	**VIII**	**02 19 04 33.7–1.2**	**24.93N–.03**	**122.45E–.03**	**11–9**		**95**	**0-2**	
TAP	VIII	02 19 04 34.9	24.94N	122.40E	17–0	2.7L	**¶626037154**		
JMA	VIII	02 19 04 35.6–.27	25N–2.0	122.4E–.60	7	2.3			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
ISC	**VIII**	**02 19 06 53.4–.72**	**25.34N–.04**	**122.66E–.03**	**217–5**	**3.3b**	**300**	**1-71**	
TAP	VIII	02 19 06 53.8	25.36N	122.76E	213–0	4.4L	**¶620993257**		
IDC	VIII	02 19 06 53.6–6.3	25.47N	122.66E	213–73	3.7,3.1b			
JMA	VIII	02 19 06 54.9–.23	25N–2.0	122.6E–.60	203–2	4.0,3.1b			
ISC	Event type ke.								
TAP	D.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
ISC	**VIII**	**02 11 26 57.3–1.3**	**24.95N–.05**	**122.45E–.04**	**24–13**		**43**	**0-1**	
JMA	VIII	02 11 26 57.6–.33	25N–2.0	122.5E–.60	28	1.9	**¶626037145**		
TAP	VIII	02 11 26 57.3	24.96N	122.43E	23–0	2.5L			
ISC	Event type ke.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
TAP	D.								
ISC	**VIII**	**03 11 38 55.8–.93**	**22.19N–.04**	**121.38E–.03**	**27–9**		**78**	**0-4**	
JMA	VIII	03 11 38 54.0–.08	22.2N–.40	121.5E–.30	1	3.8	**¶626037178**		
TAP	VIII	03 11 38 55.3	22.12N	121.35E	36–0	3.6L			
ISC	Event type ke.								
JMA	Event type ke. TAIWAN REGION .								
TAP	B.								
ISC	**VIII**	**03 12 05 29.6–1.2**	**24.54N–.03**	**122.70E–.02**	**99–6**		**249**	**0-5**	
TAP	VIII	03 12 05 29.5	24.58N	122.70E	100–0	4.2L	**¶626037179**		
JMA	VIII	03 12 05 29.3–.13	25N–1.0	122.7E–.40	100–1	3.9			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
ISC	**VIII**	**04 01 40 32.5–1.9**	**24.70N–.07**	**122.94E–.03**	**127–12**		**107**	**0-2**	
JMA	VIII	04 01 40 32.6–.29	25N–3.0	123.0E–.80	128–2	2.5	**¶626037192**		
TAP	VIII	04 01 40 32.5	24.70N	122.91E	129–1	3.3L			
ISC	Event type ke.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
TAP	D.								
ISC	**VIII**	**04 07 53 08.1–.98**	**24.3N–.10**	**122.94E–.06**	**47–7**	**3.4b**	**27**	**0-49**	
IDC	VIII	04 07 53 01.8–1.2	24.40N	123.01E	0	3.9s,3.6b	**¶620997294**		
JMA	VIII	04 07 53 08.2–.07	24N–1.0	123.0E–.40	48–0	3.9,3.6b			
ISC	Event type ke.								
JMA	Event type fe. NW OFF ISHIGAKIJIMA IS .								
ISC	**VIII**	**04 21 59 09.8–1.1**	**24.78N–.03**	**122.40E–.03**	**8–12**		**66**	**0-3**	
TAP	VIII	04 21 59 09.9	24.81N	122.34E	20–1	3.8L	**¶626037217**		
JMA	VIII	04 21 59 10.3–.09	24.8N–.90	122.4E–.30	42	2.9			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 15 52 34.5–1.1**	**24.07N–.02**	**122.65E–.02**	**15–9**		**184**	**0-3**	
TAP	VIII	04 15 52 36.7	24.08N	122.70E	49–0	3.4L	**¶626037208**		
JMA	VIII	04 15 52 37.2–.12	24.1N–.70	122.6E–.80	37	2.3			
ISC	Event type ke.								
TAP	D.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
ISC	**VIII**	**04 22 04 37.6–.94**	**24.78N–.02**	**122.25E–.02**	**15–7**		**90**	**0-1**	
TAP	VIII	04 22 04 37.4	24.82N	122.24E	9–0	3.8L	**¶626037226**		
JMA	VIII	04 22 04 38.3–.08	24.7N–.90	122.2E–.30	48	2.8			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 23 06 22.2–1.0**	**24.76N–.03**	**122.34E–.02**	**10–8**		**83**	**0-49**	
TAP	VIII	04 23 06 21.8	24.78N	122.33E	13–1	3.0L	**¶626037281**		
IDC	VIII	04 23 06 22.6–1.6	24.35N	121.89E	0	3.6b,3.6			
JMA	VIII	04 23 06 23.0–.12	25N–1.0	122.4E–.50	41–3	2.9,3.6			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 22 06 56.8–1.2**	**24.79N–.02**	**122.28E–.02**	**2–11**		**140**	**0-3**	
TAP	VIII	04 22 06 58.3	24.79N	122.17E	10–0	4.0L	**¶626037230**		
JMA	VIII	04 22 06 58.2–.14	24.7N–.70	122.3E–.30	46–3	3.0			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 22 08 56.6–1.2**	**24.79N–.03**	**122.37E–.02**	**21–4**		**75**	**0-2**	
TAP	VIII	04 22 08 55.9	24.82N	122.34E	7–0	3.1L	**¶626037231**		
JMA	VIII	04 22 08 57.4–.09	24.7N–.90	122.4E–.40	37–3	2.8			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 23 09 23.5–1.3**	**24.85N–.04**	**122.44E–.03**	**11–12**		**59**	**0-2**	
JMA	VIII	04 23 09 25.0–.13	25N–1.0	122.5E–.40	34	2.2	**¶626037283**		
TAP	VIII	04 23 09 24.1	24.85N	122.43E	17–0	2.8L			
ISC	Event type ke.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
TAP	C.								
ISC	**VIII**	**04 22 11 08.4–1.0**	**24.78N–.02**	**122.28E–.02**	**10–10**		**89**	**0-2**	
TAP	VIII	04 22 11 07.8	24.80N	122.26E	8–0	3.0L	**¶626037232**		
JMA	VIII	04 22 11 08.9–.09	25N–1.0	122.3E–.40	43	2.2			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 23 10 09.4–1.1**	**24.86N–.04**	**122.45E–.03**	**22–7**		**66**	**0-1**	
TAP	VIII	04 23 10 09.1	24.89N	122.44E	18–1	3.1L	**¶626037286**		
JMA	VIII	04 23 10 10.0–.11	24.8N–1.0	122.5E–.40	33	2.9			
ISC	Event type ke.								
TAP	D.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
ISC	**VIII**	**04 22 12 08.5–1.1**	**24.73N–.02**	**122.30E–.02**	**8–8**	**3.7b**	**161**	**0-59**	
IDC	VIII	04 22 12 08.1–1.1	24.43N	121.50E	0	4.4s,3.7b	**¶620997332**		
TAP	VIII	04 22 12 09.5	24.76N	122.21E	8–0	4.3L,3.7b			
JMA	VIII	04 22 12 09.7–.12	24.7N–1.0	122.3E–.40	40–4	3.6,3.7b			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 22 21 36.9–1.0**	**24.82N–.02**	**122.45E–.02**	**12–9**		**163**	**0-4**	
TAP	VIII	04 22 21 38.1	24.81N	122.37E	16–0	3.9L	**¶626037241**		
JMA	VIII	04 22 21 39.0–.08	24.8N–.80	122.4E–.30	35–2	3.2			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
ISC	**VIII**	**04 22 28 59.8–1.1**	**24.75N–.02**	**122.38E–.03**	**19–3**		**169**	**0-4**	
TAP	VIII	04 22 29 01.0	24.78N	122.29E	14–0	3.8L	**¶626037250**		
JMA	VIII	04 22 29 01.4–.08	24.7N–.90	122.4E–.30	42	2.5			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 22 59 53.3–1.2**	**24.75N–.03**	**122.39E–.04**	**10–11**		**60**	**0-2**	
TAP	VIII	04 22 59 54.2	24.78N	122.31E	17–0	2.7L	**¶626037270**		
JMA	VIII	04 22 59 54.8–.13	25N–1.0	122.4E–.40	42–4	2.3			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 23 26 26.4–.96**	**24.79N–.02**	**122.34E–.02**	**17–7**		**117**	**0-2**	
TAP	VIII	04 23 26 26.5	24.80N	122.31E	15–0	2.9L	**¶626037290**		
JMA	VIII	04 23 26 27.3–.21	25N–2.0	122.4E–.50	45	2.9L			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 23 01 00.6–1.0**	**24.76N–.03**	**122.32E–.02**	**10–11**		**60**	**0-1**	
TAP	VIII	04 23 01 00.1	24.78N	122.31E	11–0	3.2L	**¶626037276**		
JMA	VIII	04 23 01 00.1–.15	25N–1.0	122.3E–.30	0	2.7			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 23 28 13.2–.98**	**24.80N–.02**	**122.40E–.02**	**14–6**	**3.9b,3.8s**	**269**	**0-79**	
TAP	VIII	04 23 28 14.0	24.81N	122.35E	15–0	4.4L,3.8s	**¶620997336**		
NEIC	VIII	04 23 28 13.9–1.2	24.80N–.05	122.39E–.03	15–2	4.3b,3.8s			
NIED	VIII	04 23 28 14.1	24.77N	122.41E	41	4.2W,3.8s			
JMA	VIII	04 23 28 14.1–.13	25N–1.0	122.4E–.50	41–3	3.7,3.8s			
IDC	VIII	04 23 28 23.0–6.0	24.88N	122.56E	99–59	3.8s,3.7L			
ISC	Event type ke.								
TAP	C.								
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=2.2km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NIED	Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.33 $M_{\theta\theta}$1.97 $M_{\phi\phi}$-1.64 $M_{r\theta}$0.08 $M_{\theta\phi}$0.96 $M_{\phi r}$0.01 NP1:ϕ_s31.00000°,δ89.00000°,λ179.00000°. NP2:ϕ_s121.00000° ,δ89.00000°,λ1.00000°. M_o2.05000×10^{15}								
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .								
IDC	Error ellipse: s-maj=36.6km s-min=16.8km az=68.0.								
ISC	**VIII**	**05 05 04 29.0–1.3**	**23.71N–.04**	**122.93E–.03**	**31–12**		**107**	**1-2**	
TAP	VIII	05 05 04 29.1	23.80N	122.97E	50–0	3.3L	**¶626037357**		
JMA	VIII	05 05 04 29.4–.20	23.8N–.90	122.9E–.70	48	2.2			
ISC	Event type ke.								
TAP	D.								
JMA	Event type ke. NEAR ISHIGAKIJIMA ISLAND.								
ISC	**VIII**	**05 00 07 05.9–1.2**	**24.78N–.03**	**122.44E–.03**	**12–10**		**75**	**0-2**	
TAP	VIII	05 00 07 07.8	24.79N	122.31E	12–0	2.7L	**¶626037304**		
JMA	VIII	05 00 07 07.8–.18	25N–2.0	122.4E–.40	36	2.0			
ISC	Event type ke.								
TAP	C.								
JMA	Event type ke. TAIWAN REGION .								
ISC	**VIII**	**04 21 50 46.8–.30**	**24.78N–.01**	**122.36E–.01**	**15–1**	**5.7s,5.6b**	**2374**	**0-178**	
ASIES	VIII	04 21 50 44.5	24.80N	122.45E	17	5.7W,5.6b	**¶620969507**		
MOS	VIII	04 21 50 44.7–.90	24.81N	122.39E	12	5.9b,5.8s			
TAP	VIII	04 21 50 45.4	24.80N	122.32E	7–0	6.1L,5.8s			
BJI	VIII	04 21 50 45.9	24.82N	122.32E	10	6.3s,6.3L			
ISC-P	VIII	04 21 50 46	24.78N	122.31E	3–0	6.0,6.3L			
NIED	VIII	04 21 50 46.2	24.73N	122.35E	55	5.8W,6.3L			
NEIC	VIII	04 21 50 46.5–1.8	24.78N–.06	122.31E–.05	10–1	5.8b,5.7			
IPGP	VIII	04 21 50 46.0	24.79N	122.28E	12	5.8W,5.7			
JMA	VIII	04 21 50 46.2–.22	25N–1.0	122.4E–.50	55–3	6.3,5.9W			
NEIC	VIII	04 21 50 46.5	24.78N	122.31E	10	6.3,5.9W			
NEIC	VIII	04 21 50 46.1	24.78N	122.33E	7	6.3,5.9W			
GFZ	VIII	04 21 50 47.2–.22	25N–1.0	122E–1.0	19–1	6.1b,5.7			
PTWC	VIII	04 21 50 47	24.70N	122.40E	10	6.0,5.7			
GCMT	VIII	04 21 50 47.4–.10	24.77N	122.17E	12	5.8W,5.7			
GFZ	VIII	04 21 50 48.7	24.78N	122.35E	16	5.8W,5.7			
IDC	VIII	04 21 50 51.5–1.7	24.81N	122.45E	51–15	5.5s,5.3			
BGR	VIII	04 21 50 52.7	25.18N	122.03E	33	5.9s,5.7b			
NEIC	VIII	04 21 50 58.6	24.78N	122.33E	12	5.8,5.7b			
ISC	Event type ke.								
ASIES	Moment Tensor Solution. NP1:ϕ_s97.00000°,δ37.00000°,λ-72.00000°. NP2:ϕ_s254.00000° ,δ55.00000°,λ-103.00000°.								
MOS	Error ellipse: s-maj=5.2km s-min=3.2km az=112.1.								
TAP	C.								
ISC-P	Moment Tensor Solution. s45 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.57±.08 $M_{\theta\theta}$0.57±.16; $M_{\phi\phi}$-0.01±.14; $M_{r\theta}$0.30±.11; $M_{\theta\phi}$0.22±.16; $M_{\phi r}$-0.19±.22; NP1:ϕ_s263.30000°,δ60.10000° ,λ243.90000°. NP2:ϕ_s127.80000°,δ38.90000°,λ-52.60000°. M_o1.48000×10^{18}								
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.29 $M_{\theta\theta}$5.26 $M_{\phi\phi}$-0.97 $M_{r\theta}$3.96 $M_{\theta\phi}$0.25 $M_{\phi r}$0.62 NP1:ϕ_s94.00000°,δ25.00000°,λ-80.00000°. NP2:ϕ_s263.00000° ,δ65.00000°,λ-95.00000°. M_o6.24000×10^{17}								

NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.3km az=327.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.26 $M_{\theta\theta}$4.51 $M_{\phi\phi}$-1.25 $M_{r\theta}$1.60 $M_{\theta\phi}$0.30 $M_{\phi r}$-0.40 NP1:ϕ_s74.30000°,δ35.24000°,λ-109.05000°. NP2:ϕ_s277.22000°,δ56.95000° ,λ-77.01000°. Principal axes: T 4.8295,Plg11.0000°,Azm358.0000°; N -1.1701,Plg11.0000° ,Azm90.0000°; P -3.6595,Plg74.0000°,Azm223.0000° M_o4.36000×10^{17}

IPGP Moment Tensor Solution. NP1:ϕ_s102.00000°,δ38.00000°,λ-77.00000°. NP2:ϕ_s266.00000° ,δ53.00000°,λ-100.00000°.

JMA Event type fe. TAIWAN REGION .

NEIC Event type se.

NEIC Event type se.

GFZ Error ellipse: s-maj=2.9km s-min=2.8km az=69.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

PTWC TAIWAN REGION.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108042150A. Moment Tensor Solution. s142,c314; s159,c522;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.62±.04 $M_{\theta\theta}$6.34±.03; $M_{\phi\phi}$-1.72±.04; $M_{r\theta}$2.59±.09; $M_{\theta\phi}$0.11±.03; $M_{\phi r}$1.82±.10; Best double couple: NP1:ϕ_s113.00000°,δ37.00000°,λ-53.00000°. NP2:ϕ_s249.00000°,δ61.00000°,λ-114.00000°. Principal axes: T 6.9520,Plg13.0000°,Azm356.0000°; N -1.0190,Plg21.0000°,Azm261.0000° ; P -5.9330,Plg65.0000°,Azm116.0000° M_o6.44200×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.12 $M_{\theta\theta}$5.41 $M_{\phi\phi}$-0.29 $M_{r\theta}$-1.37 $M_{\theta\phi}$0.12 $M_{\phi r}$0.62 NP1: ϕ_s95.95372°,δ52.65902°,λ-81.09213°. NP2:ϕ_s261.46521°,δ38.23763°,λ-101.47310°. Principal axes: T 5.5903,Plg7.2672°,Azm179.6165°; N -0.2134,Plg7.0716°,Azm270.5229° ; P -5.3769,Plg79.8332°,Azm44.2922° M_o5.48671×10^{17}

IDC Error ellipse: s-maj=10.2km s-min=8.1km az=81.0.

BGR Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.49 $M_{\theta\theta}$6.45 $M_{\phi\phi}$-1.97 $M_{r\theta}$1.63 $M_{\theta\phi}$0.03 $M_{\phi r}$-2.20 NP1:ϕ_s62.81000°,δ43.93000° ,λ-132.99000°. NP2:ϕ_s295.13000°,δ59.50000°,λ-56.69000°. Principal axes: T 6.7012,Plg9.0000°,Azm2.0000°; N -0.7748,Plg28.0000°,Azm97.0000° ; P -5.9263,Plg60.0000°,Azm257.0000° M_o6.35000×10^{17}

ISC	**VIII**	**05 05 19 56.1–1.0**	**24.73N–.02**	**122.29E–.02**	**9–8**		**133**	**0-2**
JMA	VIII	05 05 19 55.9–.18	25N–2.0	122.3E–.60	0	3.3	**¶626037365**	
TAP	VIII	05 05 19 56.1	24.76N	122.26E	11–0	3.4L		

ISC Event type ke.

JMA Event type ke. TAIWAN REGION .

TAP C.

ISC	**VIII**	**05 02 14 08.3–.59**	**24.33N–.03**	**122.97E–.02**	**49–4**	**4.3b,3.6s**	**419**	**0-95**
BJI	VIII	05 02 14 05.4	24.16N	123.11E	47	4.5b,4.4L	**¶620969526**	
NEIC	VIII	05 02 14 08.7–1.0	24.36N–.05	122.90E–.04	47–6	4.5b,4.4		
TAP	VIII	05 02 14 08.8	24.39N	122.95E	46–0	5.0L,4.4		
JMA	VIII	05 02 14 08.9–.08	24N–1.0	123.0E–.40	49–0	4.4,4.4		
NEIC	VIII	05 02 14 08.4	24.35N	122.92E	48	4.4,4.4		
NIED	VIII	05 02 14 08.9	24.36N	122.98E	49	4.4W,4.4		
IDC	VIII	05 02 14 09.1–2.7	24.46N	122.99E	56–25	4.1,3.8b		

ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=9.1km s-min=2.2km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.19 $M_{\theta\theta}$-4.50 $M_{\phi\phi}$0.31 $M_{r\theta}$1.62 $M_{\theta\phi}$-0.43 $M_{\phi r}$2.27 NP1:ϕ_s285.01000°,δ37.41000°,λ125.93000°. NP2:ϕ_s62.63000°,δ60.54000° ,λ65.83000°. Principal axes: T 5.4089,Plg65.0000°,Azm288.0000°; N -0.4753,Plg21.0000° ,Azm75.0000°; P -4.9336,Plg12.0000°,Azm170.0000° M_o5.19000×10^{15}

TAP C.

JMA Event type fe. NW OFF ISHIGAKIJIMA IS .

NEIC Event type se.

NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}4.01 $M_{\theta\theta}$-4.47 $M_{\phi\phi}$0.46 $M_{r\theta}$1.37 $M_{\theta\phi}$-0.88 $M_{\phi r}$0.81 NP1:ϕ_s269.00000°,δ36.00000°,λ104.00000°. NP2:ϕ_s72.00000° ,δ55.00000°,λ80.00000°. M_o4.61000×10^{15}

IDC Error ellipse: s-maj=15.6km s-min=13.5km az=42.0.

ISC	**VIII**	**05 09 42 27.6–.98**	**24.78N–.03**	**122.38E–.03**	**16–8**		**84**	**0-2**
TAP	VIII	05 09 42 27.6	24.81N	122.34E	11–0	3.1L	**¶626037399**	
JMA	VIII	05 09 42 28.4–.14	25N–1.0	122.4E–.30	20	2.5		

ISC Event type ke.

TAP C.

JMA Event type ke. TAIWAN REGION .

ISC	**VIII**	**05 02 53 32.2–1.0**	**24.75N–.02**	**122.34E–.02**	**9–8**		**118**	**0-49**
IDC	VIII	05 02 53 31.1–1.5	24.35N	121.43E	0	3.7b,3.6	**¶620998780**	
TAP	VIII	05 02 53 32.7	24.75N	122.25E	5–0	3.4L,3.6		
JMA	VIII	05 02 53 32.8–.09	24.7N–.80	122.3E–.30	42–2	2.9,3.6		

ISC Event type ke.

TAP C.

JMA Event type ke. TAIWAN REGION .

ISC	**VIII**	**05 03 01 11.2–.93**	**24.74N–.02**	**122.29E–.02**	**13–8**		**178**	**0-3**
JMA	VIII	05 03 01 11.5–.11	24.7N–.60	122.3E–.20	12–3	2.6	**¶626037339**	
TAP	VIII	05 03 01 11.1	24.77N	122.27E	14–0	3.5L		

ISC Event type ke.

JMA Event type ke. TAIWAN REGION .

TAP C.

ISC	**VIII**	**05 03 18 47.7–1.1**	**24.91N–.03**	**122.44E–.03**	**11–9**		**109**	**0-2**
JMA	VIII	05 03 18 47.7–.16	25N–1.0	122.5E–.50	4	2.5	**¶626037340**	
TAP	VIII	05 03 18 48.0	24.91N	122.44E	17–0	3.2L		

ISC Event type ke.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

TAP D.

ISC	**VIII**	**05 01 06 41.2–1.4**	**24.90N–.04**	**122.46E–.03**	**20–5**		**59**	**0-2**
TAP	VIII	05 01 06 41.8	24.89N	122.42E	21–0	2.9L	**¶626037321**	
JMA	VIII	05 01 06 41.3–.14	24.9N–.70	122.5E–.20	0–1	2.2		

ISC Event type ke.

TAP D.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

ISC	**VIII**	**04 21 53 23.2–1.0**	**24.76N–.02**	**122.33E–.02**	**10–7**	**4.8b**	**159**	**0-68**
TAP	VIII	04 21 53 24.2	24.78N	122.24E	14–0	4.6L	**¶620997329**	
NEIC	VIII	04 21 53 24.2–1.0	24.68N–.04	122.29E–.01	12–6	4.7b		
JMA	VIII	04 21 53 24.4–.06	24.7N–.50	122.3E–.20	36–3	4.3		
IDC	VIII	04 21 53 36.0–7.4	24.64N	122.68E	115–73	4.6,4.2b		

ISC Event type ke.

TAP C.

NEIC Event type se. Error ellipse: s-maj=6.7km s-min=1.0km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type ke. TAIWAN REGION .

IDC Error ellipse: s-maj=59.2km s-min=21.2km az=88.0.

ISC	**VIII**	**04 21 54 33.4–1.1**	**24.74N–.02**	**122.34E–.03**	**10–9**		**131**	**0-2**
TAP	VIII	04 21 54 33.7	24.77N	122.28E	11–0	4.4L	**¶626037213**	
JMA	VIII	04 21 54 34.6–.09	24.7N–.90	122.3E–.30	19	3.4		

ISC Event type ke.

TAP C.

JMA Event type ke. TAIWAN REGION .

ISC	**VIII**	**04 21 56 26.2–.71**	**24.74N–.02**	**122.36E–.02**	**10–4**	**4.9b**	**453**	**0-83**
GFZ	VIII	04 21 56 27.7–.56	25N–2.0	122E–2.0	19–4	5.7,4.9b	**¶626037214**	
BJI	VIII	04 21 56 27.5	24.92N	122.20E	11	5.3,4.8b		
JMA	VIII	04 21 56 27.7–.09	24.7N–.60	122.3E–.20	48–2	4.4,4.8b		
TAP	VIII	04 21 56 27.2	24.78N	122.28E	16–0	5.3L,4.8b		
NEIC	VIII	04 21 56 27.1–1.6	24.75N–.05	122.27E–.03	10–1	5.1b,4.8b		
IDC	VIII	04 21 56 34.0–3.7	24.72N	122.28E	75–35	4.4,4.1b		

ISC Event type ke.

GFZ Error ellipse: s-maj=5.3km s-min=4.8km az=51.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

JMA Event type ke. TAIWAN REGION .

TAP D.

NEIC Event type se. Error ellipse: s-maj=9.2km s-min=3.9km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=18.0km s-min=10.2km az=73.0.

ISC	**VIII**	**05 11 37 07.1–1.0**	**23.97N–.04**	**122.48E–.02**	**28–8**		**61**	**0-2**
TAP	VIII	05 11 37 07.1	24.00N	122.49E	28–0	2.9L	**¶626037424**	
JMA	VIII	05 11 37 07.1–.24	24N–2.0	122.5E–.70	21	2.2		

ISC Event type ke.

TAP B.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

ISC	**VIII**	**05 01 33 19.3–.97**	**24.76N–.02**	**122.28E–.02**	**12–8**		**130**	**0-3**
TAP	VIII	05 01 33 19.0	24.79N	122.26E	10–0	3.4L	**¶626037324**	
JMA	VIII	05 01 33 19.9–.14	25N–1.0	122.3E–.50	15	2.5		

ISC Event type ke.

TAP C.

JMA Event type ke. TAIWAN REGION .

ISC	**VIII**	**05 11 41 26.0–1.0**	**24.76N–.02**	**122.25E–.02**	**9–9**		**96**	**0-2**
JMA	VIII	05 11 41 25.8–.25	24.7N–.40	122.3E–.10	2–3		**¶626037425**	
TAP	VIII	05 11 41 26.0	24.79N	122.22E	12–0	2.9L		

ISC Event type ke.

JMA Event type ke. TAIWAN REGION .

TAP C.

ISC	**VIII**	**05 10 49 02.6–.98**	**24.74N–.02**	**122.27E–.02**	**11–8**		**97**	**0-2**
TAP	VIII	05 10 49 02.4	24.78N	122.25E	11–0	3.7L	**¶626037419**	
JMA	VIII	05 10 49 03.1–.10	24.7N–1.0	122.3E–.30	15	2.8		

ISC Event type ke.

TAP C.

JMA Event type ke. TAIWAN REGION .

ISC	**VIII**	**05 11 45 53.6–1.1**	**24.78N–.02**	**122.30E–.02**	**7–9**		**96**	**0-2**
TAP	VIII	05 11 45 53.0	24.78N	122.29E	3–0	3.5L	**¶626037427**	
JMA	VIII	05 11 45 54.2–.08	24.7N–.80	122.3E–.30	0	2.8		

ISC Event type ke.

TAP C.

JMA Event type ke. TAIWAN REGION .

ISC	**VIII**	**05 12 38 12.8–1.0**	**23.99N–.02**	**122.84E–.02**	**19–3**	**3.7b**	**235**	**0-58**
JMA	VIII	05 12 38 13.8–.13	24.1N–.70	122.8E–.40	21–2	4.0,3.8	**¶626037429**	
TAP	VIII	05 12 38 13.1	24.08N	122.89E	29–0	4.0L,3.8		

ISC Event type ke.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

TAP D.

ISC	**VIII**	**05 12 52 25.2–1.0**	**24.75N–.02**	**122.32E–.02**	**9–8**		**108**	**0-49**
TAP	VIII	05 12 52 24.7	24.77N	122.30E	9–0	3.1L	**¶626037433**	
JMA	VIII	05 12 52 25.8–.08	24.7N–.50	122.3E–.20	13–2	2.6		
IDC	VIII	05 12 52 55.8–2.8	20.58N	122.73E	0	3.9b,3.9		

ISC Event type ke.

TAP C.

JMA Event type ke. TAIWAN REGION .

IDC Error ellipse: s-maj=308.7km s-min=25.9km az=66.0.

ISC	**VIII**	**05 15 12 20.7–1.3**	**24.34N–.06**	**122.97E–.03**	**49–7**		**76**	**0-3**
TAP	VIII	05 15 12 19.8	24.42N	122.93E	52–1	3.1L	**¶626037470**	
JMA	VIII	05 15 12 20.9–.11	24N–4.0	123.0E–.70	44–3	2.1		

ISC Event type ke.

TAP C.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

ISC	**VIII**	**05 13 13 33.9–.94**	**24.78N–.02**	**122.25E–.02**	**13–8**		**140**	**0-3**
JMA	VIII	05 13 13 34.4–.08	24.7N–.80	122.2E–.30	17	2.9	**¶626037435**	
TAP	VIII	05 13 13 34.0	24.80N	122.23E	12–0	3.7L		

ISC Event type ke.

JMA Event type ke. TAIWAN REGION .

TAP C.

ISC	**VIII**	**05 08 02 16.5–1.4**	**24.90N–.04**	**122.54E–.04**	**12–10**		**69**	**1-2**
TAP	VIII	05 08 02 17.4	24.88N	122.44E	9–0	3.1L	**¶626037390**	
JMA	VIII	05 08 02 17.3–.33	25N–3.0	123E–1.0	44	2.4		

ISC Event type ke.

TAP C.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

ISC	**VIII**	**05 16 41 13.1–1.1**	**24.07N–.03**	**122.82E–.02**	**26–12**		**168**	**0-2**
JMA	VIII	05 16 41 13.6–.15	24.1N–.80	122.8E–.50	19–2	2.8	**¶626037497**	
TAP	VIII	05 16 41 13.6	24.11N	122.80E	24–0	3.2L		

ISC Event type ke.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

TAP C.

ISC	**VIII**	**05 13 23 19.8–.97**	**24.77N–.02**	**122.26E–.02**	**10–7**	**4.0b,3.2s**	**200**	**0-50**
IDC	VIII	05 13 23 18.1–1.0	24.68N	122.15E	0	3.9b,3.9	**¶620998811**	
NIED	VIII	05 13 23 20.0	24.76N	122.26E	47	4.2W,3.9		
JMA	VIII	05 13 23 20.0–.11	24.8N–.60	122.3E–.20	47–2	3.7,3.9		
TAP	VIII	05 13 23 19.8	24.79N	122.24E	11–0	4.4L,3.9		

ISC Event type ke.

IDC Error ellipse: s-maj=25.5km s-min=17.5km az=90.0.

NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.16 $M_{\theta\theta}$1.69 $M_{\phi\phi}$-0.53 $M_{r\theta}$0.99 $M_{\theta\phi}$0.61 $M_{\phi r}$-0.31 NP1:ϕ_s46.00000°,δ37.00000°,λ-137.00000°. NP2:ϕ_s280.00000° ,δ66.00000°,λ-61.00000°. M_o1.89000×10^{15}

JMA Event type ke. TAIWAN REGION .

TAP C.

ISC	**VIII**	**05 21 11 37.4–1.0**	**24.78N–.02**	**122.32E–.02**	**12–8**		**167**	**0-3**
TAP	VIII	05 21 11 37.6	24.78N	122.29E	11–0	3.9L	**¶626037541**	
JMA	VIII	05 21 11 38.7–.08	24.7N–.80	122.3E–.30	38–3	3.3		

ISC Event type ke.

TAP C.

JMA Event type ke. TAIWAN REGION .

ISC	**VIII**	**05 13 53 51.6–1.0**	**24.76N–.02**	**122.25E–.02**	**8–8**		**149**	**0-2**
JMA	VIII	05 13 53 51.3–.08	24.7N–.70	122.3E–.30	0	2.5	**¶626037449**	
TAP	VIII	05 13 53 52.2	24.78N	122.18E	12–0	3.1L		

ISC Event type ke.

JMA Event type ke. TAIWAN REGION .

TAP D.

ISC	**VIII**	**05 13 57 41.5–1.0**	**24.79N–.03**	**122.37E–.02**	**18–6**		**100**	**0-2**
TAP	VIII	05 13 57 41.8	24.80N	122.34E	16–0	3.0L	**¶626037450**	
JMA	VIII	05 13 57 42.1–.11	25N–1.0	122.4E–.40	19	2.6		

ISC Event type ke.

TAP C.

JMA Event type ke. TAIWAN REGION .

ISC	**VIII**	**05 21 45 15.1–1.1**	**24.7N–.10**	**122.5E–.10**	**50**	**3.9b,3.2s**	**13**	**0-49**
IDC	VIII	05 21 45 10.2–1.1	24.65N	122.15E	0	3.9b,3.9	**¶620998833**	
JMA	VIII	05 21 45 11.8–.17	25N–1.0	122.3E–.40	50–3	3.1,3.9		

ISC Event type ke.

JMA Event type ke. TAIWAN REGION .

ISC	**VIII**	**05 22 07 09.3–1.3**	**24.56N–.04**	**122.89E–.02**	**103–7**		**180**	**0-4**
JMA	VIII	05 22 07 08.9–.21	25N–2.0	122.9E–.70	106–1	3.3	**¶626037546**	
TAP	VIII	05 22 07 09.0	24.64N	122.87E	102–0	3.9L		

ISC Event type ke.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

TAP D.

ISC	**VIII**	**05 22 14 22.9–1.1**	**24.77N–.03**	**122.36E–.03**	**9–10**		**79**	**0-2**
TAP	VIII	05 22 14 24.3	24.76N	122.22E	8–0	2.8L	**¶626037548**	
JMA	VIII	05 22 14 24.3–.13	25N–1.0	122.4E–.50	43	2.3		

ISC Event type ke.

TAP C.

JMA Event type ke. TAIWAN REGION .

ISC	**VIII**	**05 22 30 12.5–.96**	**24.77N–.02**	**122.36E–.02**	**15–8**		**209**	**0-4**
TAP	VIII	05 22 30 12.4	24.80N	122.34E	15–0	3.9L	**¶626037553**	
JMA	VIII	05 22 30 13.2–.07	24.7N–.50	122.4E–.30	17–3	2.9		

ISC Event type ke.

TAP C.

JMA Event type ke. TAIWAN REGION .

ISC	**VIII**	**06 08 11 04.3–.35**	**24.75N–.01**	**122.24E–.01**	**14–1**	**5.2b,5.0s**	**1043**	**0-178**
IDC	VIII	06 08 11 01.1–.33	24.77N	122.19E	0	4.7b,4.7	**¶620970724**	
MOS	VIII	06 08 11 02.0–1.0	24.72N	122.21E	12	5.3b,5.0s		
NEIC	VIII	06 08 11 04.4–1.6	24.75N–.06	122.24E–.06	10–1	5.3,5.2b		
NEIC	VIII	06 08 11 04.3	24.74N	122.23E	7	5.3,5.2b		
NEIC	VIII	06 08 11 04.4	24.73N	122.25E	10	5.3,5.2b		
ASIES	VIII	06 08 11 04.5	24.79N	122.21E	8	5.3W,5.2b		
TAP	VIII	06 08 11 04.7	24.79N	122.19E	13–0	5.7L,5.2b		
GCMT	VIII	06 08 11 04.2–.10	24.79N–.01	122.10E–.01	13–0	5.3W,5.2b		
BJI	VIII	06 08 11 04.4	24.85N	122.30E	20	5.6s,5.5		
NIED	VIII	06 08 11 04.7	24.73N	122.24E	50	5.3W,5.5		
JMA	VIII	06 08 11 04.7–.16	24.7N–.80	122.2E–.30	50–3	5.6,5.4W		

GFZ VIII 06 08 11 05.9–.19 25N–3.0 122E–2.0 10 5.2b,5.2
GFZ VIII 06 08 11 06.8 24.69N 122.19E 10 5.2W,5.2
NEIC VIII 06 08 11 12.5 24.74N 122.23E 12 5.3,5.2
ISC Event type ke.
IDC Error ellipse: s-maj=9.7km s-min=6.4km az=66.0.
MOS Error ellipse: s-maj=6.2km s-min=4.0km az=111.7.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.7km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56 $M_{\theta\theta}$0.80 $M_{\phi\phi}$-0.24 $M_{r\theta}$0.91 $M_{\theta\phi}$-0.02 $M_{\phi r}$0.18 NP1:ϕ_s259.28000°,δ72.46000°,λ-100.13000°. NP2:ϕ_s109.95000° ,δ20.18000°,λ-60.90000°. Principal axes: T 1.2538,Plg27.0000°,Azm357.0000° ; N -0.2028,Plg10.0000°,Azm262.0000°; P -1.0510,Plg61.0000°,Azm154.0000° $M_0$1.17000×10^{17}
NEIC Event type se.
NEIC Event type se.
ASIES Moment Tensor Solution. NP1:ϕ_s67.00000°,δ30.00000°,λ-124.00000°. NP2:ϕ_s285.00000° ,δ66.00000°,λ-72.00000°.
TAP C.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108060811A. Moment Tensor Solution. s124,c207; s135,c258;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87±.02 $M_{\theta\theta}$1.08±.01; $M_{\phi\phi}$-0.20±.01; $M_{r\theta}$0.71±.03; $M_{\theta\phi}$-0.03±.01; $M_{\phi r}$0.12±.03; Best double couple: NP1: ϕ_s102.00000°,δ28.00000°,λ-74.00000°. NP2:ϕ_s263.00000°,δ63.00000°,λ-98.00000°. Principal axes: T 1.3090,Plg18.0000°,Azm360.0000°; N -0.1890,Plg7.0000°,Azm267.0000° ; P -1.1170,Plg70.0000°,Azm155.0000° $M_0$1.21300×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.97 $M_{\theta\theta}$10.25 $M_{\phi\phi}$-2.28 $M_{r\theta}$0.92 $M_{\theta\phi}$0.84 $M_{\phi r}$-1.42 NP1:ϕ_s73.00000°,δ44.00000°,λ-110.00000°. NP2:ϕ_s279.00000° ,δ49.00000°,λ-72.00000°. $M_0$9.35000×10^{16}
JMA Event type fe. TAIWAN REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.29 $M_{\theta\theta}$9.01 $M_{\phi\phi}$-0.72 $M_{r\theta}$2.93 $M_{\theta\phi}$-0.91 $M_{\phi r}$-2.51 NP1: ϕ_s80.92355°,δ36.82266°,λ-113.36051°. NP2:ϕ_s289.27340°,δ56.61850°,λ-73.46511°. Principal axes: T 9.6571,Plg10.1937°,Azm7.4750°; N -0.2539,Plg13.7477°,Azm99.9964° ; P -9.4022,Plg72.7641°,Azm242.0522° $M_0$9.53219×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-0.20 $M_{r\theta}$0.73 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.19 NP1:ϕ_s74.71000°,δ27.77000° ,λ-112.72000°. NP2:ϕ_s280.04000°,δ64.55000°,λ-78.50000°. Principal axes: T 1.3042,Plg19.0000°,Azm1.0000°; N -0.1581,Plg10.0000°,Azm95.0000° ; P -1.1461,Plg68.0000°,Azm213.0000° $M_0$1.23000×10^{17}

ISC VIII 05 20 34 34.6–1.0 24.74N–.02 122.28E–.02 8–9 113 0-2
TAP VIII 05 20 34 34.5 24.77N 122.24E 9–0 3.4L **¶626037537**
JMA VIII 05 20 34 34.2–.17 25N–2.0 122.3E–.60 0 2.7
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VIII 05 23 57 06.1–.96 24.79N–.02 122.27E–.02 17–7 101 0-3
JMA VIII 05 23 57 06.1–.07 24.8N–.50 122.3E–.10 44–2 2.6 **¶626037575**
TAP VIII 05 23 57 06.7 24.78N 122.26E 12–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 06 17 09 49.8–1.0 24.75N–.03 122.26E–.02 9–12 55 0-1
JMA VIII 06 17 09 49.7–.08 24.7N–.80 122.3E–.30 0 2.1 **¶626042374**
TAP VIII 06 17 09 49.6 24.78N 122.24E 16–0 2.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 06 14 58 46.1–.95 24.80N–.02 122.42E–.02 17–3 3.4b,3.1s 259 0-78
IDC VIII 06 14 58 44.0–.97 24.78N 122.16E 0 3.5,3.4b **¶620998905**
TAP VIII 06 14 58 46.8 24.82N 122.37E 13–0 4.0L,3.4b
NIED VIII 06 14 58 47.5 24.77N 122.43E 40 3.9W,3.4b
JMA VIII 06 14 58 47.5–.12 25N–1.0 122.4E–.50 40–2 3.6,3.4b
ISC Event type ke.
TAP C.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-6.45 $M_{\theta\theta}$9.89 $M_{\phi\phi}$-3.44 $M_{r\theta}$-3.04 $M_{\theta\phi}$1.48 $M_{\phi r}$1.74 NP1:ϕ_s238.00000°,δ41.00000°,λ-129.00000°. NP2:ϕ_s106.00000° ,δ59.00000°,λ-61.00000°. $M_0$9.21000×10^{14}
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 07 05 43 58.3–1.1 24.73N–.02 122.36E–.02 4–8 4.3b,3.2s 257 0-78
IDC VIII 07 05 43 58.9–.91 24.58N 122.43E 0 4.0,3.9b **¶621000707**
TAP VIII 07 05 43 58.8 24.76N 122.27E 7–0 4.2L,3.9b
NEIC VIII 07 05 43 59.2–1.0 24.70N–.03 122.297E–.01 8–5 4.4b,3.9b
JMA VIII 07 05 43 59.6–.08 24.7N–.60 122.3E–.20 44–2 3.7,3.9b
ISC Event type ke.
TAP C.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. TAIWAN REGION .
ISC VIII 07 01 51 41.0–.98 24.77N–.02 122.37E–.02 14–8 155 0-2
TAP VIII 07 01 51 40.9 24.80N 122.33E 9–0 3.4L **¶626042389**
JMA VIII 07 01 51 41.6–.09 24.7N–.90 122.4E–.30 21 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 06 18 09 59.5–1.0 24.78N–.02 122.27E–.02 9–8 153 0-2
TAP VIII 06 18 09 59.4 24.78N 122.26E 10–0 3.2L **¶626042376**
JMA VIII 06 18 10 00.9–.08 25N–1.0 122.3E–.40 49 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 07 00 09 16.5–.98 24.77N–.02 122.37E–.02 12–8 113 0-2
TAP VIII 07 00 09 16.3 24.80N 122.36E 17–0 3.3L **¶626042384**
JMA VIII 07 00 09 17.1–.15 25N–1.0 122.4E–.50 10 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 08 23 02 55.9–1.0 24.78N–.03 122.34E–.02 14–8 63 0-2
TAP VIII 08 23 02 55.6 24.82N 122.33E 6–1 3.0L **¶626042603**
JMA VIII 08 23 02 56.8–.18 25N–1.0 122.4E–.40 41 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 07 09 53 26.2–1.2 24.81N–.03 122.34E–.03 21–3 74 0-1
TAP VIII 07 09 53 25.7 24.84N 122.33E 10–0 2.8L **¶626042418**
JMA VIII 07 09 53 27.0–.16 25N–1.0 122.4E–.40 43 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 07 21 17 07.9–1.1 24.86N–.03 122.35E–.02 9–9 149 0-2
JMA VIII 07 21 17 09.8–.16 25N–1.0 122.4E–.40 47–3 2.4 **¶626042490**
TAP VIII 07 21 17 09.1 24.79N 122.32E 14–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 08 04 08 51.4–.99 24.76N–.02 122.29E–.02 13–9 62 0-1
JMA VIII 08 04 08 51.2–.14 25N–1.0 122.3E–.40 0 2.4 **¶626042531**
TAP VIII 08 04 08 51.4 24.77N 122.29E 21–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 09 10 32 22.1–.98 24.78N–.03 122.37E–.02 13–9 64 0-1
TAP VIII 09 10 32 21.9 24.82N 122.34E 10–0 3.1L **¶626042635**
JMA VIII 09 10 32 22.8–.16 25N–2.0 122.4E–.50 11 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 09 14 38 20.3–1.0 24.81N–.02 122.29E–.02 12–8 179 0-4
JMA VIII 09 14 38 21.4–.15 24.7N–.90 122.3E–.40 44–4 2.9 **¶626042645**
TAP VIII 09 14 38 21.4 24.78N 122.23E 13–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 09 11 35 32.1–.97 24.75N–.02 122.28E–.02 13–8 155 0-2
TAP VIII 09 11 35 31.6 24.77N 122.27E 10–0 3.2L **¶626042637**
JMA VIII 09 11 35 32.8–.12 25N–1.0 122.3E–.40 22 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VIII 09 18 48 24.6–.95 24.80N–.02 122.27E–.02 13–7 168 0-4
TAP VIII 09 18 48 25.3 24.80N 122.21E 13–0 3.3L **¶626042662**
JMA VIII 09 18 48 25.1–.10 24.8N–1.0 122.3E–.40 43 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 10 01 00 41.8–1.1 24.81N–.03 122.39E–.02 19–2 62 0-2
TAP VIII 10 01 00 41.7 24.82N 122.38E 12–1 3.0L **¶626042680**
JMA VIII 10 01 00 42.4–.14 25N–1.0 122.4E–.50 25–4 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 09 22 36 23.3–1.0 24.82N–.03 122.38E–.02 16–8 113 0-2
TAP VIII 09 22 36 23.6 24.82N 122.36E 16–0 2.8L **¶626042677**
JMA VIII 09 22 36 23.7–.18 25N–1.0 122.4E–.30 25 2.8L
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 11 01 25 47.7–1.3 24.58N–.04 122.93E–.02 96–7 240 0-3
TAP VIII 11 01 25 46.5 24.69N 122.97E 97–0 4.0L **¶626042734**
JMA VIII 11 01 25 47.3–.15 25N–2.0 122.9E–.50 97–1 3.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 09 22 54 13.3–1.0 24.74N–.02 122.29E–.02 12–8 145 0-2
TAP VIII 09 22 54 13.6 24.75N 122.24E 10–0 3.2L **¶626042678**
JMA VIII 09 22 54 13.7–.04 24.7N–.30 122.30E–.08 19 3.2L
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 10 08 23 33.2–.99 24.80N–.02 122.36E–.02 14–8 157 0-2
TAP VIII 10 08 23 33.6 24.80N 122.33E 14–0 3.3L **¶626042698**
JMA VIII 10 08 23 34.4–.14 25N–1.0 122.4E–.50 46–3 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 10 09 04 19.1–1.1 24.80N–.02 122.28E–.02 5–9 199 0-3
TAP VIII 10 09 04 18.7 24.80N 122.24E 5–0 3.5L **¶626042699**
JMA VIII 10 09 04 19.1–.17 24.8N–.90 122.3E–.40 47–4 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 10 15 54 21.2–1.0 24.75N–.02 122.31E–.02 11–9 105 0-2
JMA VIII 10 15 54 21.0–.09 24.7N–.90 122.3E–.30 0 2.6 **¶626042716**
TAP VIII 10 15 54 21.1 24.79N 122.29E 10–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 10 16 53 44.0–1.1 23.89N–.03 122.40E–.03 20–2 90 0-2
JMA VIII 10 16 53 44.1–.23 24N–1.0 122.4E–.70 22 2.4 **¶626042718**
TAP VIII 10 16 53 45.2 23.97N 122.36E 21–0 2.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 10 21 43 08.0–1.0 24.78N–.02 122.37E–.02 10–8 3.5b 296 0-49
IDC VIII 10 21 43 07.3–1.1 24.82N 122.97E 0 3.5b,3.5 **¶621008145**
TAP VIII 10 21 43 09.3 24.78N 122.28E 13–0 4.1L,3.5
JMA VIII 10 21 43 09.2–.09 24.7N–.90 122.4E–.30 40–2 3.3,3.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 10 13 08 24.0–1.2 24.39N–.02 122.35E–.02 74–5 281 0-5
TAP VIII 10 13 08 24.4 24.39N 122.29E 76–0 3.5L **¶626042708**
JMA VIII 10 13 08 24.4–.19 24N–1.0 122.3E–.40 66–2 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 10 20 13 04.4–.97 24.77N–.02 122.27E–.02 14–7 172 0-3
TAP VIII 10 20 13 04.6 24.80N 122.24E 11–0 3.1L **¶626042731**
JMA VIII 10 20 13 05.4–.11 25N–1.0 122.3E–.40 23 2.3
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VIII 11 04 52 28.9–1.1 24.77N–.02 122.43E–.02 10–8 223 0-3
TAP VIII 11 04 52 30.3 24.79N 122.32E 9–0 3.6L **¶626042741**
JMA VIII 11 04 52 31.0–.13 25N–1.0 122.4E–.50 45–3 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 11 22 34 10.1–1.1 24.76N–.02 122.26E–.02 7–9 111 0-2
TAP VIII 11 22 34 09.7 24.80N 122.24E 9–0 3.1L **¶626042774**
JMA VIII 11 22 34 10.2–.10 24.7N–.90 122.2E–.30 0 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 11 10 40 35.6–1.9 24.92N–.06 122.53E–.03 133–11 102 0-2
JMA VIII 11 10 40 35.4–.27 25N–3.0 123E–1.0 122–3 1.9 **¶626042756**
TAP VIII 11 10 40 35.6 25.02N 122.47E 132–0 3.2L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VIII 11 14 26 41.9–1.0 24.76N–.02 122.23E–.02 10–8 98 0-2
JMA VIII 11 14 26 41.3–.05 24.7N–.40 122.2E–.20 0 2.0 **¶626042764**
TAP VIII 11 14 26 41.7 24.76N 122.17E 7–0 2.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC VIII 11 14 58 30.1–.95 24.75N–.02 122.28E–.02 13–8 118 0-2
TAP VIII 11 14 58 29.9 24.79N 122.26E 18–0 2.5L **¶626042765**
JMA VIII 11 14 58 30.2–.27 24.7N–.60 122.3E–.20 1–2 1.8
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 11 15 23 48.7–1.0 24.78N–.02 122.34E–.02 10–9 135 0-2
TAP VIII 11 15 23 48.9 24.79N 122.30E 10–0 2.7L **¶626042767**
JMA VIII 11 15 23 48.1–.23 25N–2.0 122.4E–.40 0 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VIII 12 07 00 56.9–1.2 24.84N–.04 122.45E–.02 14–8 94 0-49
IDC VIII 12 07 00 55.6–8.2 24.50N 122.12E 0 3.6b,3.6 **¶621009386**
TAP VIII 12 07 00 57.8 24.77N 122.41E 14–0 3.3L,3.6
JMA VIII 12 07 00 58.9–.12 25N–1.0 122.5E–.40 38–2 2.7,3.6
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 11 21 26 21.1–1.0 24.78N–.02 122.37E–.02 8–9 167 0-3
TAP VIII 11 21 26 20.5 24.83N 122.37E 10–0 3.2L **¶626042772**
JMA VIII 11 21 26 21.5–.18 24.7N–.90 122.4E–.30 8–4 2.9
ISC Event type ke.

TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 12 20 13 28.9–1.1 24.86N–.03 122.43E–.02 15–8 128 0-3
TAP VIII 12 20 13 30.5 24.83N 122.33E 10–0 3.3L ¶626042816
JMA VIII 12 20 13 31.4–.06 24.7N–.60 122.4E–.30 36–2 3.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 12 09 29 25.6–1.1 24.75N–.03 122.43E–.02 18–4 78 0-2
TAP VIII 12 09 29 25.6 24.75N 122.41E 15–0 2.9L ¶626042796
JMA VIII 12 09 29 26.5–.13 25N–2.0 122.5E–.40 36 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 13 01 14 56.0–1.1 24.83N–.02 122.40E–.02 12–8 167 0-3
TAP VIII 13 01 14 57.7 24.80N 122.29E 14–0 3.5L ¶626042829
JMA VIII 13 01 14 57.6–.13 24.8N–1.0 122.4E–.40 46–3 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 12 19 33 44.6–1.0 24.79N–.02 122.34E–.02 11–8 92 0-2
TAP VIII 12 19 33 44.4 24.83N 122.31E 9–0 2.9L ¶626042812
JMA VIII 12 19 33 45.2–.17 25N–1.0 122.3E–.30 14–4 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 13 13 47 43.5–.00 24.78N–.02 122.36E–.02 11–8 128 0-2
TAP VIII 13 13 47 43.5 24.80N 122.32E 11–0 2.8L ¶626042853
JMA VIII 13 13 47 44.0–.06 24.7N–.60 122.4E–.20 11 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 12 22 53 44.0–.71 24.31N–.06 122.97E–.04 47–5 4.4b 73 0-165
NEIC VIII 12 22 53 44.3–1.6 24.31N–.06 122.98E–.02 45–3 4.8b ¶621009572
JMA VIII 12 22 53 44.2–.08 24N–1.0 123.0E–.40 48–0 4.1,3.9
IDC VIII 12 22 53 45.3–3.5 24.39N 123.00E 59–34 4.0,3.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=1.8km az=166.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=24.2km s-min=13.8km az=63.0.
ISC VIII 13 18 42 38.0–1.1 24.74N–.02 122.42E–.02 19–2 165 0-3
TAP VIII 13 18 42 37.9 24.74N 122.38E 15–0 3.0L ¶626042868
JMA VIII 13 18 42 38.4–.08 24.8N–.70 122.5E–.40 25–2 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 14 15 28 12.5–.92 24.91N–.02 122.19E–.02 13–6 215 0-3
TAP VIII 14 15 28 13.3 24.89N 122.10E 14–0 3.2L ¶626042915
JMA VIII 14 15 28 14.1–.16 25N–1.0 122.2E–.60 15 2.5
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VIII 14 07 44 59.8–1.1 24.88N–.03 122.39E–.02 10–8 178 0-3
TAP VIII 14 07 45 01.4 24.79N 122.31E 11–0 3.4L ¶626042886
JMA VIII 14 07 45 01.6–.11 24.8N–.90 122.4E–.40 42–2 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 16 13 27 06.8–1.1 24.86N–.03 122.47E–.03 10–10 74 0-2
JMA VIII 16 13 27 06.5–.22 25N–1.0 122.5E–.60 0 2.4 ¶626043052
TAP VIII 16 13 27 07.3 24.87N 122.42E 12–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
TAP VIII 16 07 41 13.4 24.79N 122.27E 12–0 2.0L ¶626043010
TAP C.
ISC VIII 14 19 48 38.3–1.1 24.9N–.20 122.4E–.10 21–6 3.9b 14 1-78
IDC VIII 14 19 48 36.9–1.1 24.24N 121.09E 0 3.8b,3.8 ¶621013548
JMA VIII 14 19 48 37.3–.07 24.7N–.60 122.2E–.20 35–3 2.6,3.8
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ISC VIII 15 04 43 59.6–1.0 24.74N–.02 122.27E–.02 9–8 166 0-3
JMA VIII 15 04 43 59.5–.10 24.7N–.90 122.3E–.30 0 2.5 ¶626042931
TAP VIII 15 04 43 59.3 24.78N 122.26E 11–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 15 15 43 27.0–1.0 24.76N–.02 122.25E–.02 9–9 144 0-3
TAP VIII 15 15 43 26.4 24.81N 122.26E 11–0 2.8L ¶626042944
JMA VIII 15 15 43 26.7–.11 25N–1.0 122.3E–.40 0 1.8
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VIII 16 10 52 07.3–1.4 24.57N–.03 122.23E–.03 71–7 126 0-2
JMA VIII 16 10 52 07.1–.18 25N–3.0 122E–1.0 74 2.0 ¶626043041
TAP VIII 16 10 52 07.3 24.60N 122.09E 77–0 2.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 16 13 31 16.3–1.1 24.84N–.03 122.48E–.03 10–9 120 0-3
TAP VIII 16 13 31 15.7 24.89N 122.50E 15–0 3.7L ¶626043053
JMA VIII 16 13 31 16.4–.18 25N–1.0 122.5E–.40 0 2.7
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 16 13 46 09.5–1.1 24.87N–.03 122.50E–.03 13–9 115 0-3
JMA VIII 16 13 46 09.8–.15 24.9N–.70 122.5E–.30 16–2 2.4 ¶626043054
TAP VIII 16 13 46 10.0 24.89N 122.44E 14–0 3.4L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VIII 16 19 41 36.9–.97 24.79N–.02 122.40E–.02 16–8 179 0-4
JMA VIII 16 19 41 37.7–.18 25N–2.0 122.4E–.50 41–3 2.7 ¶626043120
TAP VIII 16 19 41 37.1 24.80N 122.37E 14–0 3.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VIII 16 14 00 28.8–1.0 24.88N–.03 122.50E–.02 17–8 105 0-3
TAP VIII 16 14 00 28.4 24.91N 122.49E 15–0 3.2L ¶626043057
JMA VIII 16 14 00 29.4–.17 25N–1.0 122.5E–.40 21 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 17 04 47 10.0–.98 24.72N–.03 122.33E–.02 17–8 75 0-2
JMA VIII 17 04 47 10.5–.46 24N–5.0 122E–3.0 5 2.6 ¶626043145
TAP VIII 17 04 47 10.3 24.77N 122.29E 11–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 16 18 06 24.3–1.2 23.79N–.02 122.75E–.03 15–9 184 1-4
TAP VIII 16 18 06 27.5 23.92N 122.74E 44–0 3.1L ¶626043103
JMA VIII 16 18 06 28.5–.17 24.0N–.90 122.6E–.70 34 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 16 18 40 26.9–1.9 24.93N–.08 122.83E–.03 166–12 89 0-3
TAP VIII 16 18 40 27.6 24.89N 122.85E 168–1 2.9L ¶626043117
JMA VIII 16 18 40 29.3–.28 25N–3.0 122.9E–.60 135–4 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 16 16 11 36.7–.93 24.81N–.02 122.38E–.02 17–7 177 0-49
JMA VIII 16 16 11 37.2–.16 25N–1.0 122.4E–.40 36–3 3.1 ¶621030191
TAP VIII 16 16 11 37.6 24.82N 122.29E 12–0 3.6L
IDC VIII 16 16 11 40.0–2.4 24.21N 122.90E 0 3.4b,3.4
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
IDC Error ellipse: s-maj=64.3km s-min=21.9km az=108.0.
ISC VIII 17 22 29 52.9–1.1 24.78N–.02 122.26E–.02 5–9 126 0-3
JMA VIII 17 22 29 52.6–.10 24.7N–.70 122.2E–.20 0 2.7 ¶626043175
TAP VIII 17 22 29 53.0 24.80N 122.20E 6–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 17 17 22 02.9–1.1 24.77N–.02 122.44E–.02 12–8 149 0-3
TAP VIII 17 17 22 03.4 24.77N 122.39E 12–0 2.8L ¶626043161
JMA VIII 17 17 22 04.0–.12 25N–1.0 122.5E–.30 34–2 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 19 13 23 51.7–1.1 24.77N–.02 122.33E–.02 6–10 95 0-2
JMA VIII 19 13 23 51.5–.12 24.7N–.90 122.3E–.20 0 2.0 ¶626043218
TAP VIII 19 13 23 51.5 24.80N 122.30E 7–0 2.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 18 03 10 53.1–.95 24.77N–.02 122.41E–.02 16–8 130 0-2
TAP VIII 18 03 10 52.9 24.79N 122.40E 16–0 3.0L ¶626043179
JMA VIII 18 03 10 53.9–.10 24.7N–.70 122.4E–.20 20–2 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 18 22 34 11.1–1.0 24.80N–.03 122.41E–.03 18–9 85 0-2
TAP VIII 18 22 34 11.9 24.78N 122.36E 15–0 2.7L ¶626043191
JMA VIII 18 22 34 12.2–.10 24.7N–.80 122.4E–.20 28 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 18 18 42 56.3–1.5 24.53N–.05 122.63E–.03 96–8 99 0-2
TAP VIII 18 18 42 55.9 24.63N 122.64E 97–0 2.5L ¶626043188
JMA VIII 18 18 42 56.2–.17 24N–3.0 122.6E–.50 93–1 1.4
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 19 22 06 04.5–1.0 24.78N–.02 122.42E–.02 17–8 157 0-3
TAP VIII 19 22 06 06.2 24.79N 122.31E 12–0 3.2L ¶626043235
JMA VIII 19 22 06 06.4–.17 25N–2.0 122.4E–.50 39–3 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 19 16 24 27.2–1.0 24.76N–.02 122.35E–.02 9–9 106 0-3
TAP VIII 19 16 24 26.8 24.80N 122.35E 11–0 2.9L ¶626043224
JMA VIII 19 16 24 27.2–.15 25N–1.0 122.4E–.30 6 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 20 13 55 01.5–.93 24.80N–.02 122.31E–.02 17–7 100 0-2
JMA VIII 20 13 55 02.8–.12 25N–1.0 122.3E–.40 22 1.5 ¶626043255
TAP VIII 20 13 55 02.4 24.79N 122.20E 8–0 2.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 20 14 10 37.0–1.1 24.80N–.02 122.37E–.02 10–9 133 0-2
JMA VIII 20 14 10 38.4–.12 25N–1.0 122.4E–.50 41 1.7 ¶626043256
TAP VIII 20 14 10 38.1 24.79N 122.28E 14–0 2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 20 14 18 00.9–1.2 22.96N–.03 122.88E–.02 8–9 235 1-4
JMA VIII 20 14 18 04.8–.22 23N–1.0 122.9E–.70 57 3.2 ¶626043257
TAP VIII 20 14 18 06.1 22.97N 122.80E 80–0 3.3L
ISC Event type ke.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
TAP D.
ISC VIII 21 16 34 55.6–1.2 24.11N–.03 122.34E–.02 46–6 160 0-3
JMA VIII 21 16 34 54.4–.14 24N–1.0 122.3E–.30 52–2 2.1 ¶626043278
TAP VIII 21 16 34 54.9 24.16N 122.32E 56–0 2.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 20 12 35 29.9–1.1 24.83N–.02 122.43E–.03 15–8 105 0-2
JMA VIII 20 12 35 30.7–.16 25N–1.0 122.5E–.60 36–4 2.1 ¶626043254
TAP VIII 20 12 35 30.7 24.83N 122.35E 13–0 2.7L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VIII 21 03 03 43.3–.89 22.56N–.02 121.37E–.02 31–6 276 0-5
JMA VIII 21 03 03 41.8–.05 22.6N–.30 121.2E–.80 50–0 3.6 ¶626043268
TAP VIII 21 03 03 43.3 22.55N 121.35E 35–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 21 16 50 31.8–1.9 24.94N–.07 122.81E–.03 148–12 93 1-3
TAP VIII 21 16 50 31.0 25.05N 122.89E 142–0 2.9L ¶626043279
JMA VIII 21 16 50 31.1–.27 25N–2.0 122.8E–.70 152–2 2.4
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 21 19 45 23.0–.96 24.72N–.02 122.40E–.02 14–8 108 0-3
TAP VIII 21 19 45 22.7 24.75N 122.39E 14–0 2.9L ¶626043283
JMA VIII 21 19 45 23.7–.10 24.6N–.80 122.4E–.30 15–3 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 21 20 07 20.2–1.1 24.76N–.02 122.19E–.02 5–9 177 0-2
JMA VIII 21 20 07 20.1–.20 25N–2.0 122.2E–.70 0 2.4 ¶626043284
TAP VIII 21 20 07 20.1 24.78N 122.13E 6–0 2.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 22 23 54 59.4–1.0 24.82N–.03 122.45E–.02 13–10 61 0-2
JMA VIII 22 23 54 59.6–.19 25N–1.0 122.4E–.50 8–4 3.1 ¶626043302
TAP VIII 22 23 54 59.1 24.85N 122.45E 16–1 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VIII 21 20 24 23.9–.92 24.00N–.02 122.33E–.02 25–6 227 0-4
JMA VIII 21 20 24 23.8–.18 24N–1.0 122.3E–.40 25–4 2.4 ¶626043285
TAP VIII 21 20 24 24.7 24.07N 122.29E 24–0 2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 22 06 32 17.7–1.1 24.76N–.02 122.27E–.02 6–9 153 0-2
JMA VIII 22 06 32 17.4–.24 24.7N–.90 122.3E–.30 59–3 1.9 ¶626043289
TAP VIII 22 06 32 17.1 24.78N 122.26E 7–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.

ISC VIII 22 15 17 44.1–.91 24.73N–.02 122.04E–.02 72–4 3.5b 259 0-49
IDC VIII 22 15 17 40.6–1.4 24.12N 123.05E 0 3.3L,3.3b **¶621043104**
JMA VIII 22 15 17 44.0–.12 24.7N–.50 122.0E–.20 72–1 3.1,3.3b
TAP VIII 22 15 17 44.1 24.71N 122.02E 69–0 3.8L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=57.9km s-min=22.9km az=83.0.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 23 04 46 04.9–1.1 24.77N–.03 122.39E–.02 8–10 86 0-2
TAP VIII 23 04 46 05.7 24.75N 122.35E 12–0 2.8L **¶626043310**
JMA VIII 23 04 46 06.4–.08 24.7N–.80 122.4E–.50 28–5 1.8
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP VIII 23 16 23 44.9 21.78N 121.40E 27–0 3.5L
¶626043324
TAP C.
ISC VIII 23 10 56 38.6–.55 24.73N–.02 122.36E–.02 10–3 4.7b,3.9s 417 0-98
BJI VIII 23 10 56 37.5 24.76N 122.35E 5 4.8b,4.4s **¶621000186**
NEIC VIII 23 10 56 38.4–1.6 24.70N–.06 122.40E–.05 10–1 4.8b,4.4s
TAP VIII 23 10 56 38.5 24.76N 122.26E 7–0 4.9L,4.4s
NIED VIII 23 10 56 39.1 24.67N 122.32E 38 4.5W,4.4s
JMA VIII 23 10 56 39.1–.12 25N–1.0 122.3E–.50 38 4.5,4.1
GFZ VIII 23 10 56 39.4–.19 25N–3.0 122E–3.0 10 4.7,4.6b
IDC VIII 23 10 56 45.9–2.6 24.77N 122.46E 75–25 4.2,4.0b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.0km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP C.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.44 $M_{\theta\theta}$5.67 $M_{\phi\phi}$-1.22 $M_{r\theta}$3.71 $M_{\theta\phi}$0.04 $M_{\phi r}$0.44 NP1:ϕ_s96.00000°,δ27.00000°,λ-80.00000°. NP2:ϕ_s265.00000°,δ63.00000°,λ-95.00000°. M_o6.29000×10^{15}
JMA Event type ke. TAIWAN REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=17.6km s-min=12.6km az=63.0.
ISC VIII 23 13 37 47.1–.97 24.71N–.02 122.31E–.02 15–8 109 0-3
TAP VIII 23 13 37 46.8 24.76N 122.27E 7–1 3.4L **¶626043319**
JMA VIII 23 13 37 47.9–.11 25N–1.0 122.3E–.40 26 3.1
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VIII 24 18 02 09.0–.66 23.83N–.02 122.49E–.02 20–6 3.7b 345 0-74
IDC VIII 24 18 02 06.0–.94 23.91N 122.42E 0 3.7b,3.7 **¶621024206**
TAP VIII 24 18 02 09.9 23.88N 122.48E 29–0 4.2L,3.7
NIED VIII 24 18 02 09.3 23.85N 122.47E 23 3.9W,3.7
JMA VIII 24 18 02 09.3–.19 24N–1.0 122.5E–.60 23 3.7,3.7
ISC Event type ke.
TAP C.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}1.51 $M_{\theta\theta}$-6.35 $M_{\phi\phi}$4.85 $M_{r\theta}$3.34 $M_{\theta\phi}$0.66 $M_{\phi r}$2.16 NP1:ϕ_s318.00000°,δ53.00000°,λ172.00000°. NP2:ϕ_s53.00000°,δ84.00000°,λ37.00000°. M_o6.93000×10^{14}
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 23 19 07 35.2–1.1 24.83N–.02 122.38E–.02 12–8 176 0-3
TAP VIII 23 19 07 36.4 24.77N 122.27E 8–0 2.9L **¶626043327**
JMA VIII 23 19 07 37.6–.19 25N–1.0 122.3E–.40 50–4 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 26 06 07 41.7–1.2 24.84N–.03 122.42E–.02 14–9 133 0-3
JMA VIII 26 06 07 43.4–.13 25N–2.0 122E–1.0 38 3.1 **¶626043383**
TAP VIII 26 06 07 43.2 24.81N 122.34E 16–0 3.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VIII 25 07 10 10.6–2.1 24.68N–.06 122.42E–.04 102–12 79 0-2
TAP VIII 25 07 10 10.4 24.70N 122.41E 102–1 2.9L **¶626043368**
JMA VIII 25 07 10 10.3–.16 25N–1.0 122.4E–.30 105–1 2.9L
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 24 15 16 26.1–1.1 24.86N–.03 122.39E–.02 9–10 102 0-3
JMA VIII 24 15 16 25.5–.30 25N–2.0 122.4E–.60 0 3.0 **¶626043359**
TAP VIII 24 15 16 26.6 24.86N 122.36E 12–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VIII 26 10 07 54.0–1.3 24.78N–.03 122.45E–.03 6–10 104 0-2
TAP VIII 26 10 07 55.7 24.77N 122.39E 17–0 3.1L **¶626043388**
JMA VIII 26 10 07 56.6–.13 25N–4.0 122E–2.0 16 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 27 17 51 55.3–.96 24.75N–.03 122.39E–.02 15–8 66 0-2
TAP VIII 27 17 51 55.0 24.80N 122.39E 16–0 2.7L **¶626043418**
JMA VIII 27 17 51 55.8–.13 25N–3.0 122E–1.0 11 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 26 21 07 54.9–1.0 24.80N–.03 122.45E–.02 10–11 38 0-1
TAP VIII 26 21 07 54.1 24.86N 122.46E 15–1 2.7L **¶626043395**
JMA VIII 26 21 07 55.4–.19 25N–2.0 122E–1.0 0 2.7L
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VIII 27 06 58 35.5–.96 24.79N–.02 122.37E–.02 17–7 122 0-2
TAP VIII 27 06 58 35.9 24.79N 122.35E 17–0 3.2L **¶626043400**
JMA VIII 27 06 58 36.4–.12 25N–3.0 122E–1.0 29 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 28 02 32 16.3–1.0 24.82N–.02 122.31E–.02 11–8 172 0-3
TAP VIII 28 02 32 16.7 24.76N 122.26E 9–0 3.6L **¶626043422**
JMA VIII 28 02 32 18.0–.05 25N–2.0 122.3E–1.0 37 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 28 23 48 03.3–1.1 24.88N–.04 122.40E–.02 12–9 79 0-2
TAP VIII 28 23 48 04.4 24.81N 122.34E 14–0 2.8L **¶626043445**
JMA VIII 28 23 48 05.0–.09 25N–2.0 122.4E–.90 28–3 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP VIII 30 18 18 49.0 24.89N 122.45E 22–1 3.0L
¶626043486
TAP C.
ISC VIII 30 09 47 25.6–.67 24.67N–.02 122.02E–.02 66–4 3.6b 259 0-96
JMA VIII 30 09 47 25.9–.12 25N–2.0 122E–1.0 62–1 4.0 **¶621024213**
NIED VIII 30 09 47 25.9 24.76N 122.07E 62 4.0W
TAP VIII 30 09 47 25.9 24.65N 121.99E 62–0 4.6L
IDC VIII 30 09 47 27.6–3.2 24.67N 122.17E 88–30 3.7,3.4b
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.09 $M_{\theta\theta}$0.05 $M_{\phi\phi}$0.03 $M_{r\theta}$-0.16 $M_{\theta\phi}$-1.01 $M_{\phi r}$-0.56 NP1:ϕ_s92.00000°,δ61.00000°,λ-172.00000°. NP2:ϕ_s358.00000°,δ83.00000°,λ-29.00000°. M_o1.17000×10^{15}
TAP C.
IDC Error ellipse: s-maj=23.2km s-min=15.9km az=53.0.
ISC VIII 29 08 36 27.4–1.0 24.80N–.03 122.38E–.02 15–8 91 0-2
TAP VIII 29 08 36 29.8 24.76N 122.23E 9–0 3.4L **¶626043451**
JMA VIII 29 08 36 30.1–.18 25N–5.0 122E–2.0 44 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 02 15 17 37.0–1.1 24.87N–.03 122.48E–.02 8–11 68 0-2
TAP IX 02 15 17 36.5 24.89N 122.46E 11–0 2.9L **¶626043565**
JMA IX 02 15 17 37.2–.19 24.9N–1.0 122.5E–.60 4–2 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 01 01 38 58.6–1.1 24.90N–.03 122.53E–.03 13–9 110 1-3
TAP IX 01 01 39 00.4 24.91N 122.42E 16–0 3.7L **¶626043518**
JMA IX 01 01 39 00.5–.18 25N–2.0 122.5E–.90 31 3.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 01 23 21 07.2–1.1 24.85N–.03 122.43E–.02 12–8 112 0-2
JMA IX 01 23 21 09.1–.21 25N–2.0 122E–1.0 32 2.1 **¶626043545**
TAP IX 01 23 21 09.1 24.81N 122.33E 17–0 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IX 02 05 41 17.4–.82 22.99N–.02 121.08E–.01 15–5 185 0-3
TAP IX 02 05 41 17.9 23.01N 121.06E 7–0 4.2L **¶626043549**
JMA IX 02 05 41 18.0–.37 23N–1.0 122E–1.0 0 3.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 03 09 29 31.4–.71 24.95N–.09 122.96E–.06 110–8 3.8b 37 0-73
JMA IX 03 09 29 32.6–.10 25N–1.0 123.0E–.30 105–1 3.8 **¶621081561**
IDC IX 03 09 29 33.8–3.2 25.05N 123.18E 137–36 3.9,3.5b
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=28.5km s-min=15.7km az=61.0.
ISC IX 02 13 51 01.1–.96 24.75N–.02 122.37E–.02 17–8 121 0-3
TAP IX 02 13 51 01.3 24.76N 122.35E 16–0 3.1L **¶626043563**
JMA IX 02 13 51 02.1–.07 25N–3.0 122E–1.0 37–3 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 02 16 22 49.5–1.0 24.87N–.04 122.46E–.03 27–10 47 0-2
TAP IX 02 16 22 49.1 24.90N 122.50E 33–1 2.6L **¶626043568**
JMA IX 02 16 22 49.3–.29 25N–2.0 122E–2.0 0 1.7
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 02 16 56 23.0–1.1 23.96N–.03 122.86E–.02 24–12 150 0-3
TAP IX 02 16 56 23.9 24.07N 122.84E 32–0 2.9L **¶626043571**
JMA IX 02 16 56 24.8–.16 24.0N–.70 122.9E–.80 17–4 2.9
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 04 04 37 08.7–.77 24.38N–.02 122.04E–.02 28–5 3.8b,3.0s 201 0-78
IDC IX 04 04 37 04.4–.93 24.51N 121.94E 0 3.9b,3.9 **¶621081617**
JMA IX 04 04 37 08.7–.23 24N–2.0 122.0E–.70 45 3.9,3.9
TAP IX 04 04 37 08.7 24.40N 121.96E 30–0 4.6L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=16.6km az=6.0.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IX 03 05 43 47.0–.97 24.64N–.02 122.30E–.02 15–8 95 0-3
JMA IX 03 05 43 46.2–.30 24N–2.0 122.2E–.80 35 2.2 **¶626043579**
TAP IX 03 05 43 47.6 24.67N 122.24E 12–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IX 05 01 26 46.0–1.0 24.82N–.03 122.33E–.02 15–8 94 0-3
TAP IX 05 01 26 47.6 24.76N 122.25E 19–0 2.9L **¶626043629**
JMA IX 05 01 26 47.9–.10 25N–4.0 122E–2.0 15 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 04 05 28 09.8–1.0 24.86N–.03 122.40E–.02 14–8 112 0-3
TAP IX 04 05 28 10.9 24.80N 122.37E 17–0 3.2L **¶626043610**
JMA IX 04 05 28 11.5–.30 25N–3.0 122E–1.0 4–4 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 04 17 48 15.6–1.7 24.54N–.07 122.74E–.03 102–10 46 0-2
TAP IX 04 17 48 15.8 24.59N 122.77E 98–0 2.5L **¶626043613**
JMA IX 04 17 48 16.5–.12 25N–1.0 122.8E–.60 91–0 1.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 06 21 06 24.3–1.4 24.80N–.04 122.04E–.03 88–7 142 0-3
JMA IX 06 21 06 24.4–.17 25N–3.0 122E–1.0 81–2 2.3 **¶626043668**
TAP IX 06 21 06 24.1 24.78N 122.02E 88–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IX 06 14 00 25.5–.36 23.82N–.02 122.17E–.02 46–3 5.2b,4.7s 1154 0-177
BJI IX 06 14 00 21.5 23.82N 122.12E 10 5.2L,5.0b **¶621039288**
NEIC IX 06 14 00 23.4–1.3 23.84N–.06 122.20E–.06 27–4 5.4b,5.2
MOS IX 06 14 00 25.4–.97 23.85N 122.23E 31 5.4b,4.7s
BGR IX 06 14 00 25.6 24.14N 122.35E 33 5.2b,5.0s
TAP IX 06 14 00 26.1 23.85N 122.08E 41–0 5.9L,5.0s
GCMT IX 06 14 00 26.0–.20 23.79N–.01 122.05E–.01 37–0 5.2W,5.0s
NIED IX 06 14 00 26.2 23.97N 122.20E 75 5.2W,5.0s
IDC IX 06 14 00 26.3–1.7 23.93N 122.20E 49–15 4.8,4.6L
JMA IX 06 14 00 26.2–.23 24N–1.0 122.2E–.70 75 5.2,5.2W
GFZ IX 06 14 00 26.5–.50 24N–3.0 122E–3.0 42–7 5.2b,5.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
TAP B.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109061400A. Moment Tensor Solution. s109,c169; s115,c190;Duration: 0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.64±.01 $M_{\theta\theta}$0.11±.01; $M_{\phi\phi}$-0.74±.01; $M_{r\theta}$-0.21±.01; $M_{\theta\phi}$0.10±.01; $M_{\phi r}$0.01±.01; Best double couple: NP1: ϕ_s192.00000°,δ47.00000°,λ117.00000°. NP2:ϕ_s336.00000°,δ49.00000°,λ64.00000°. Principal axes: T 0.7080,Plg71.0000°,Azm178.0000°; N 0.0500,Plg19.0000°,Azm353.0000°; P -0.7600,Plg1.0000°,Azm83.0000° M_o0.73400×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}6.30 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-5.28 $M_{r\theta}$1.55 $M_{\theta\phi}$-1.61 $M_{\phi r}$-0.06 NP1:ϕ_s187.00000°,δ44.00000°,λ73.00000°. NP2:ϕ_s30.00000°,δ48.00000°,λ106.00000°. M_o6.23000×10^{16}
JMA Event type fe. TAIWAN REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 06 22 18 40.5–.98 24.87N–.03 122.41E–.02 119–5 3.4b 223 0-50
IDC IX 06 22 18 23.0–1.5 24.10N 121.59E 0 3.6,3.5L **¶621094289**
TAP IX 06 22 18 41.5 24.88N 122.42E 112–0 4.0L,3.5L
JMA IX 06 22 18 42.1–.16 25N–2.0 122.4E–.90 103–2 2.4,3.5L
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 07 06 10 31.6–1.1 24.11N–.04 122.81E–.02 18–7 75 0-2
TAP IX 07 06 10 32.6 24.09N 122.81E 16–1 2.9L **¶626043676**
JMA IX 07 06 10 33.2–.09 24.1N–.20 122.9E–.40 6 2.6
ISC Event type ke.
TAP C.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 07 14 46 07.7–.97 24.75N–.02 122.21E–.02 14–8 61 0-2
JMA IX 07 14 46 07.3–.30 24N–2.0 122E–1.0 36 1.9 **¶626043688**
TAP IX 07 14 46 08.1 24.79N 122.18E 13–0 2.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IX 08 10 56 14.2–1.1 24.76N–.02 122.29E–.02 8–9 116 0-3
TAP IX 08 10 56 14.6 24.78N 122.25E 11–0 3.1L **¶626043765**
JMA IX 08 10 56 14.7–.22 24N–2.0 122.2E–.70 16–3 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 07 16 19 10.9–.76 24.49N–.02 122.11E–.02 25–5 3.6b 197 0-76
IDC IX 07 16 19 06.9–.88 24.48N 122.03E 0 3.6b,3.6 **¶621094331**
NIED IX 07 16 19 11.0 24.52N 122.13E 47 3.8W,3.6
JMA IX 07 16 19 11.0–.13 25N–2.0 122.1E–.80 47–2 3.9,3.6
TAP IX 07 16 19 11.0 24.49N 122.02E 25–0 4.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=18.1km s-min=17.0km az=49.0.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}3.04 $M_{\theta\theta}$3.66 $M_{\phi\phi}$-6.70 $M_{r\theta}$3.23 $M_{\theta\phi}$-0.05 $M_{\phi r}$0.22 NP1:ϕ_s144.00000°,δ60.00000°,λ32.00000°. NP2:ϕ_s37.00000° ,δ63.00000°,λ146.00000°. $M_0$6.65000×10^{14}
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC IX 09 16 23 24.9–1.7 22.03N–.05 122.91E–.04 2–12 129 1-7
TAP IX 09 16 23 29.5 21.93N 122.89E 31–0 3.4L **¶626043897**
JMA IX 09 16 23 30.4–.38 22N–2.0 123E–2.0 98 3.0
ISC Event type ke.
TAP D.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
ISC IX 08 04 18 47.1–.83 24.89N–.02 122.01E–.02 16–5 82 0-2
TAP IX 08 04 18 48.2 24.85N 122.01E 6–0 3.0L **¶626043733**
JMA IX 08 04 18 48.2–.35 25N–4.0 122E–3.0 31 2.2
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC IX 08 14 51 28.6–1.1 24.16N–.04 122.59E–.02 19–2 75 0-2
TAP IX 08 14 51 29.0 24.17N 122.60E 19–1 2.6L **¶626043794**
JMA IX 08 14 51 29.2–.15 24N–1.0 122.6E–.70 18–2 1.6
ISC Event type ke.
TAP B.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 09 23 38 30.0–.91 23.94N–.02 122.40E–.02 27–7 3.7b 207 0-159
JMA IX 09 23 38 32.8–.22 24N–1.0 122.4E–.60 30–3 3.3 **¶621105918**
TAP IX 09 23 38 32.1 24.05N 122.32E 23–0 4.0L
IDC IX 09 23 38 36.4–5.0 24.08N 122.58E 85–49 3.7,3.5b
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP B.
IDC Error ellipse: s-maj=36.9km s-min=18.5km az=60.0.
ISC IX 09 17 54 25.5–1.6 24.50N–.05 122.48E–.03 92–9 61 0-2
TAP IX 09 17 54 25.5 24.55N 122.38E 100–0 2.7L **¶626043908**
JMA IX 09 17 54 26.6–.09 25N–2.0 122.6E–.60 74–2 1.8
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 09 18 14 09.0–1.0 24.75N–.02 122.26E–.02 8–8 4.0b,3.2s 138 0-71
JMA IX 09 18 14 08.8–.44 24N–3.0 122E–1.0 16 3.2,3.2s **¶621105900**
TAP IX 09 18 14 08.9 24.78N 122.21E 5–0 3.8L,3.2s
IDC IX 09 18 14 08.5–1.3 24.58N 121.78E 0 4.0b,3.8
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
IDC Error ellipse: s-maj=64.2km s-min=20.3km az=85.0.
ISC IX 10 13 17 28.9–1.1 24.07N–.05 122.79E–.03 22–6 41 0-2
JMA IX 10 13 17 29.3–.19 24N–1.0 122.8E–.80 20–3 2.0 **¶626043932**
TAP IX 10 13 17 29.1 24.12N 122.80E 23–1 2.5L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC IX 10 05 45 02.1–.70 23.82N–.02 122.11E–.02 32–5 4.6b,3.7s 399 0-96
BJI IX 10 05 44 59.8 23.89N 122.06E 16 4.4b,4.4b **¶621051061**
JMA IX 10 05 45 02.9–.09 23.8N–.50 122.1E–.50 37–2 4.9,4.3
NEIC IX 10 05 45 02.9–1.2 23.839N–.01 122.09E–.03 33–5 4.7b,4.3
TAP IX 10 05 45 03.5 23.86N 122.06E 45–0 4.8L,4.3
GFZ IX 10 05 45 03.2–.18 24N–2.0 122E–3.0 44 5.6b,5.1
IDC IX 10 05 45 03.6–2.4 23.93N 122.19E 47–23 4.7L,4.4
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=1.2km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP B.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=15.3km s-min=12.1km az=59.0.
ISC IX 10 04 18 51.2–.96 23.99N–.03 122.35E–.02 25–7 91 0-2
JMA IX 10 04 18 51.0–.22 24N–2.0 122.4E–.60 27 2.2 **¶626043924**
TAP IX 10 04 18 51.8 24.06N 122.34E 24–0 2.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IX 13 01 07 40.3–1.3 24.73N–.05 122.79E–.04 16–9 54 0-2
TAP IX 13 01 07 39.6 24.77N 122.76E 4–0 3.0L **¶626044022**
JMA IX 13 01 07 41.0–.08 25N–1.0 122.8E–.70 27–2 1.6
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 11 05 53 19.4–1.0 24.86N–.03 122.39E–.02 15–8 114 0-2
TAP IX 11 05 53 20.0 24.89N 122.35E 14–0 3.7L **¶626043951**
JMA IX 11 05 53 19.1–.23 25N–2.0 122.4E–.70 2 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 11 15 03 50.7–.85 22.99N–.01 121.06E–.02 8–6 3.4b 162 0-48
TAP IX 11 15 03 49.2 22.99N 121.05E 4–0 3.9L **¶626043967**
IDC IX 11 15 03 49.9–1.1 22.72N 120.86E 0 3.4b,3.4
ISC Event type se.
TAP C.
IDC Error ellipse: s-maj=44.2km s-min=20.4km az=67.0.
ISC IX 14 04 50 12.9–.97 22.08N–.03 121.10E–.03 23–9 132 0-4
JMA IX 14 04 50 08.5–.08 21.9N–.50 121E–1.0 58–1 3.8 **¶626044071**
TAP IX 14 04 50 13.3 22.14N 121.08E 12–0 3.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IX 12 19 03 16.6–.99 24.78N–.02 122.37E–.02 12–8 179 0-3
TAP IX 12 19 03 16.4 24.81N 122.35E 10–0 3.4L **¶626044010**
JMA IX 12 19 03 17.1–.12 25N–1.0 122.4E–.40 15 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 13 07 58 59.0–1.1 24.88N–.03 122.46E–.02 9–10 93 0-2
JMA IX 13 07 58 58.5–.28 25N–2.0 122.4E–.90 0 2.7 **¶626044035**
TAP IX 13 07 58 58.8 24.93N 122.48E 15–0 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IX 15 13 08 08.1–1.2 24.12N–.04 122.56E–.02 44–8 103 0-2
JMA IX 15 13 08 07.3–.14 24N–2.0 122.5E–.50 49–4 1.6 **¶626044141**
TAP IX 15 13 08 08.0 24.15N 122.52E 41–0 2.7L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IX 15 18 40 41.5–1.2 24.07N–.03 122.57E–.02 33–3 193 0-3
TAP IX 15 18 40 40.6 24.17N 122.56E 47–0 3.1L **¶626044145**
JMA IX 15 18 40 40.2–.28 24N–2.0 122.6E–.60 24–4 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 15 20 23 30.1–1.2 24.85N–.02 122.37E–.02 7–9 241 0-3
JMA IX 15 20 23 32.9–.10 24.8N–.90 122.3E–.20 42–2 2.7 **¶626044147**
TAP IX 15 20 23 32.2 24.78N 122.28E 10–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IX 18 10 46 00.0–1.1 22.65N–.02 122.02E–.02 12–9 139 1-4
TAP IX 18 10 46 02.8 22.57N 121.96E 33–0 2.8L **¶626044214**
JMA IX 18 10 46 02.6–.16 22.6N–.70 121.9E–.50 49 2.8L
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 16 10 57 41.3–2.9 25.4N–.10 122.28E–.05 213–17 70 0-3
TAP IX 16 10 57 41.7 25.37N 122.32E 221–1 3.3L **¶626044167**
JMA IX 16 10 57 42.2–.32 25N–3.0 122.3E–.80 211–4 3.3
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC IX 18 19 35 06.9–1.0 24.82N–.02 122.46E–.02 12–8 155 0-49
TAP IX 18 19 35 08.8 24.82N 122.31E 9–0 3.8L **¶621113586**
JMA IX 18 19 35 09.1–.10 24.8N–.90 122.4E–.40 38–2 3.0
IDC IX 18 19 35 14.9–7.3 23.99N 122.84E 0 3.3b,3.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=384.9km s-min=25.5km az=95.0.
ISC IX 18 21 37 44.2–1.6 21.91N–.05 121.98E–.04 16–9 112 0-4
TAP IX 18 21 37 42.6 21.73N 122.02E 46–0 3.1L **¶626044229**
JMA IX 18 21 37 42.1–.45 22N–2.0 122.1E–.90 0 3.1L
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC IX 18 18 16 24.4–.70 24.79N–.03 122.69E–.02 135–4 3.5b 284 0-72
TAP IX 18 18 16 25.3 24.82N 122.68E 130–0 4.4L **¶621113584**
JMA IX 18 18 16 25.1–.18 25N–1.0 122.6E–.50 130–1 4.2
IDC IX 18 18 16 26.6–5.3 25.01N 122.93E 156–55 3.7,3.3b
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=51.0km s-min=14.0km az=61.0.
ISC IX 18 22 05 38.2–1.1 24.80N–.02 122.38E–.02 4–8 3.7b 227 0-81
NIED IX 18 22 05 39.0 24.76N 122.40E 38 3.8W **¶621113595**
JMA IX 18 22 05 39.0–.10 24.8N–.90 122.4E–.40 38–2 3.8,3.6
TAP IX 18 22 05 38.7 24.81N 122.32E 11–0 4.0L,3.6
IDC IX 18 22 05 40.3–.95 25.03N 122.50E 0 3.8b,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.81 $M_{\theta\theta}$6.28 $M_{\phi\phi}$-0.47 $M_{r\theta}$2.65 $M_{\theta\phi}$0.18 $M_{\phi r}$-0.44 NP1:ϕ_s83.00000°,δ33.00000°,λ-98.00000°. NP2:ϕ_s273.00000° ,δ57.00000°,λ-85.00000°. $M_0$6.62000×10^{14}
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
IDC Error ellipse: s-maj=20.5km s-min=18.5km az=83.0.
ISC IX 19 04 46 03.0–.55 24.71N–.03 122.35E–.02 100–4 4.1b 348 0-82
NEIC IX 19 04 46 03.4–1.6 24.72N–.05 122.36E–.04 102–5 4.3b **¶621113608**
JMA IX 19 04 46 03.4–.27 25N–1.0 122.3E–.50 96–2 3.9
TAP IX 19 04 46 03.7 24.73N 122.32E 98–0 5.0L
IDC IX 19 04 46 05.5–2.3 24.83N 122.43E 123–22 4.1,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.1km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. TAIWAN REGION .
TAP C.
IDC Error ellipse: s-maj=21.2km s-min=13.2km az=69.0.
ISC IX 18 23 19 33.3–.87 25.01N–.04 122.97E–.03 165–5 231 1-46
IDC IX 18 23 19 34.1–9.8 25.14N 123.17E 170–118 3.5,3.2s **¶621113597**
JMA IX 18 23 19 34.4–.22 25N–2.0 122.9E–.60 155–2 3.7,3.2s
TAP IX 18 23 19 34.0 25.03N 122.96E 158–0 4.0L,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=102.8km s-min=26.1km az=59.0.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IX 19 05 13 19.0–1.3 24.65N–.03 122.59E–.02 96–7 195 0-3
JMA IX 19 05 13 18.4–.14 25N–1.0 122.6E–.40 98–1 2.2 **¶626044235**
TAP IX 19 05 13 18.0 24.71N 122.63E 100–0 3.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IX 19 03 02 09.5–1.7 21.79N–.05 122.02E–.03 5–10 169 0-4
TAP IX 19 03 02 11.0 21.69N 122.04E 36–0 3.7L **¶626044232**
JMA IX 19 03 02 12.9–.28 22N–1.0 121.9E–.60 87 3.4
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC IX 19 13 40 03.9–1.5 23.97N–.05 122.88E–.03 8–12 71 0-2
JMA IX 19 13 40 07.3–.14 24N–2.0 122.9E–.60 55–2 1.7 **¶626044240**
TAP IX 19 13 40 07.5 24.31N 122.86E 57–0 2.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IX 22 03 29 35.5–1.2 24.16N–.04 122.53E–.02 41–8 78 0-2
TAP IX 22 03 29 34.2 24.17N 122.53E 46–0 2.6L **¶626044303**
JMA IX 22 03 29 34.5–.09 24N–1.0 122.5E–.40 39–2 2.0
ISC Event type ke.
TAP B.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 22 20 51 25.6–1.1 24.77N–.03 122.39E–.03 24–12 40 0-2
TAP IX 22 20 51 25.6 24.75N 122.37E 23–1 2.6L **¶626044322**
JMA IX 22 20 51 26.1–.19 25N–2.0 122.4E–.50 41 2.6L
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 22 09 05 11.3–.78 24.86N–.02 122.01E–.02 13–5 3.3b,2.9s 124 0-50
IDC IX 22 09 05 10.4–1.1 24.65N 121.78E 0 3.5b,3.5 **¶621118131**
TAP IX 22 09 05 11.8 24.84N 121.96E 10–0 3.7L,3.5
JMA IX 22 09 05 12.4–.15 24.8N–.70 121.9E–.70 30 3.2,3.5
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC IX 22 21 22 36.8–1.3 24.65N–.04 122.68E–.02 111–7 198 0-3
TAP IX 22 21 22 36.0 24.71N 122.69E 116–0 3.6L **¶626044323**
JMA IX 22 21 22 36.4–.16 25N–2.0 122.6E–.50 113–1 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 23 07 25 51.6–1.0 22.80N–.02 121.60E–.02 20–3 182 0-3
JMA IX 23 07 25 50.4–.26 23N–2.0 121E–1.0 59 3.5 **¶626044331**
TAP IX 23 07 25 52.4 22.81N 121.55E 18–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.

ISC IX 23 01 11 15.9–1.1 24.81N–.02 122.26E–.02 10–8 133 0-2
JMA IX 23 01 11 17.3–.10 25N–1.0 122.2E–.50 54 2.5 ¶626044326
TAP IX 23 01 11 17.6 24.78N 122.16E 10–0 3.4L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IX 23 22 38 06.8–.96 23.92N–.02 122.30E–.02 23–8 202 0-4
JMA IX 23 22 38 06.5–.29 24N–1.0 122.3E–.50 21–4 3.5 ¶626044351
TAP IX 23 22 38 07.6 24.01N 122.28E 25–0 4.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC IX 23 11 08 45.6–1.7 24.61N–.07 122.64E–.03 120–10 57 0-2
JMA IX 23 11 08 46.2–.13 25N–2.0 122.7E–.40 114–1 2.0 ¶626044334
TAP IX 23 11 08 46.2 24.71N 122.68E 111–0 2.7L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
TAP IX 25 13 43 24.2 22.14N 121.54E 110–0 2.9L
¶626044398
TAP B.
ISC IX 24 06 06 25.6–1.1 24.81N–.03 122.48E–.02 16–9 76 0-2
TAP IX 24 06 06 26.5 24.78N 122.44E 15–1 2.9L ¶626044360
JMA IX 24 06 06 27.9–.12 25N–1.0 122.4E–.20 16 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 24 22 18 37.8–1.7 24.59N–.06 122.85E–.03 104–10 78 0-2
TAP IX 24 22 18 37.3 24.68N 122.83E 105–0 2.9L ¶626044375
JMA IX 24 22 18 38.0–.10 24N–4.0 122.8E–1.0 103 2.9L
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 25 00 18 30.2–.99 24.78N–.02 122.37E–.02 11–8 80 0-2
TAP IX 25 00 18 29.7 24.81N 122.36E 10–0 3.6L ¶626044383
JMA IX 25 00 18 30.9–.18 24.7N–.90 122.4E–.40 9–4 2.9
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 25 01 57 25.9–.93 24.94N–.03 122.11E–.02 15–7 72 0-2
TAP IX 25 01 57 26.7 24.92N 122.07E 13–0 2.8L ¶626044388
JMA IX 25 01 57 26.9–.19 25N–2.0 122.1E–.90 49 2.6
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC IX 27 04 54 39.2–1.5 24.56N–.04 122.79E–.04 86–8 103 0-2
TAP IX 27 04 54 39.0 24.65N 122.78E 85–0 3.1L ¶626044504
JMA IX 27 04 54 39.3–.18 25N–3.0 122.8E–.90 83 1.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP IX 26 02 24 21.0 21.46N 121.70E 131–0 4.2L
¶626044435
TAP D.
ISC IX 26 05 52 28.9–1.3 24.43N–.03 122.66E–.03 65–6 142 0-3
JMA IX 26 05 52 29.1–.08 24N–1.0 122.7E–.40 60–1 1.8 ¶626044441
TAP IX 26 05 52 29.2 24.46N 122.63E 61–0 3.1L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IX 25 15 41 21.2–1.0 24.78N–.02 122.38E–.02 9–9 109 0-3
TAP IX 25 15 41 20.8 24.81N 122.36E 9–0 2.8L ¶626044401
JMA IX 25 15 41 22.1–.09 24.7N–1.0 122.4E–.30 18 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 29 11 08 44.8–1.0 24.72N–.03 122.38E–.02 9–10 80 0-2
TAP IX 29 11 08 44.6 24.75N 122.38E 15–0 2.7L ¶626044638
JMA IX 29 11 08 45.4–.11 25N–1.0 122.4E–.40 7 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 27 19 08 14.5–1.0 24.88N–.02 122.36E–.02 10–9 149 0-3
TAP IX 27 19 08 14.2 24.91N 122.37E 16–0 3.0L ¶626044553
JMA IX 27 19 08 14.4–.14 25N–1.0 122.4E–.40 3 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 28 02 14 01.0–.71 21.11N–.05 121.94E–.05 167–6 4.0b 211 1-91
NEIC IX 28 02 14 00.8–1.6 21.05N–.08 121.91E–.09 150–8 4.4b ¶621140790
TAP IX 28 02 14 01.1 21.14N 121.90E 173–0 5.2L
JMA IX 28 02 14 02.4–.57 21N–3.0 122E–1.0 141 4.0
IDC IX 28 02 14 02.9–3.6 21.02N 122.15E 193–35 4.0,3.4b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=11.9km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP D.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=17.2km s-min=12.2km az=71.0.
TAP IX 29 00 13 51.0 21.12N 121.71E 93–0 3.7L
¶626044631
TAP D.
ISC IX 29 05 19 53.0–1.3 24.80N–.03 122.40E–.04 11–10 59 0-2
TAP IX 29 05 19 54.0 24.80N 122.31E 19–0 2.8L ¶626044636
JMA IX 29 05 19 54.4–.21 25N–2.0 122.4E–.50 53 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP IX 29 21 04 51.2 21.60N 121.76E 29–0 3.7L
¶626044649
TAP D.
ISC IX 30 13 37 47.7–1.2 24.88N–.03 122.45E–.03 17–8 73 0-2
TAP IX 30 13 37 47.7 24.91N 122.44E 15–0 2.6L ¶626044658
JMA IX 30 13 37 48.1–.25 25N–2.0 122.4E–.50 20 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IX 29 18 59 20.1–1.2 24.89N–.03 122.49E–.03 14–9 90 0-2
TAP IX 29 18 59 20.4 24.93N 122.45E 15–0 2.8L ¶626044648
JMA IX 29 18 59 21.3–.06 24.9N–.50 122.5E–.50 27–3 2.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 03 03 52 00.9–1.0 24.73N–.03 122.42E–.02 13–8 90 0-2
TAP X 03 03 52 00.2 24.76N 122.42E 9–0 2.8L ¶626602160
JMA X 03 03 52 01.6–.09 24.7N–.90 122.4E–.30 20 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 01 05 49 03.1–1.2 24.88N–.03 122.46E–.03 18–5 77 0-2
TAP X 01 05 49 03.5 24.90N 122.40E 14–0 2.6L ¶626602118
JMA X 01 05 49 03.6–.16 25N–1.0 122.5E–.40 22 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 02 13 45 58.7–.88 22.60N–.02 121.38E–.02 32–5 279 0-5
JMA X 02 13 45 58.7–.09 22.7N–.40 121E–2.0 32–4 3.4 ¶626602148
TAP X 02 13 45 59.1 22.61N 121.33E 30–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC X 02 23 05 39.8–1.0 24.79N–.03 122.37E–.02 15–8 95 0-2
TAP X 02 23 05 40.0 24.81N 122.33E 10–0 3.2L ¶626602157
JMA X 02 23 05 40.2–.13 25N–1.0 122.4E–.40 5 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 30 15 55 35.5–.94 22.30N–.02 121.53E–.02 14–7 3.6b 188 0-49
IDC IX 30 15 55 32.6–1.4 22.01N 121.45E 0 3.7b,3.6 ¶621147772
JMA IX 30 15 55 37.6–.12 22.4N–.70 121.6E–.30 4–2 3.8,3.6
TAP IX 30 15 55 37.1 22.23N 121.45E 24–0 3.9L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=60.2km s-min=22.8km az=68.0.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC X 02 08 27 56.2–1.2 24.47N–.03 122.44E–.02 50–7 123 0-2
TAP X 02 08 27 56.4 24.48N 122.39E 47–0 3.0L ¶626602145
JMA X 02 08 27 56.2–.12 24N–2.0 122.5E–.50 48–2 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 02 20 39 46.8–1.0 24.75N–.02 122.25E–.02 13–8 164 0-3
JMA X 02 20 39 48.8–.12 25N–1.0 122.2E–.60 53 2.3 ¶626602152
TAP X 02 20 39 49.4 24.75N 122.15E 1–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IX 30 11 44 43.1–1.6 24.79N–.05 122.29E–.03 96–9 103 0-2
TAP IX 30 11 44 42.9 24.77N 122.27E 97–0 3.2L ¶626044656
JMA IX 30 11 44 43.5–.20 25N–1.0 122.3E–.50 89–2 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 30 20 03 59.0–1.3 24.48N–.04 122.67E–.02 90–6 160 0-3
TAP IX 30 20 03 58.6 24.49N 122.68E 93–0 3.2L ¶626044664
JMA IX 30 20 03 58.7–.15 24N–2.0 122.7E–.50 90–1 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 01 15 51 58.0–.00 24.77N–.02 122.37E–.02 10–8 189 0-4
TAP X 01 15 51 58.0 24.80N 122.34E 11–0 3.3L ¶626602129
JMA X 01 15 51 58.4–.14 25N–1.0 122.4E–.50 6 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 02 03 48 36.1–1.0 24.74N–.03 122.42E–.02 10–11 62 0-2
TAP X 02 03 48 35.6 24.77N 122.40E 8–0 2.8L ¶626602140
JMA X 02 03 48 36.6–.17 25N–2.0 122.4E–.60 7 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 02 16 05 17.4–.97 23.74N–.02 122.19E–.02 28–9 285 0-5
JMA X 02 16 05 17.1–.14 23.7N–.70 122.2E–.50 25 2.9 ¶626602150
TAP X 02 16 05 18.1 23.77N 122.18E 30–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC X 03 06 49 06.8–1.0 24.74N–.02 122.22E–.02 6–9 175 0-3
TAP X 03 06 49 06.5 24.75N 122.19E 6–0 3.4L ¶626602165
JMA X 03 06 49 06.5–.09 24.7N–.70 122.2E–.30 0 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 03 12 54 37.7–1.0 24.75N–.02 122.23E–.02 7–8 258 0-4
TAP X 03 12 54 37.5 24.77N 122.21E 7–0 3.6L ¶626602177
JMA X 03 12 54 37.2–.07 24.7N–.60 122.2E–.20 0 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 03 07 44 39.5–1.2 24.76N–.02 122.31E–.03 3–8 3.6s,3.6b 195 0-96
IDC X 03 07 44 39.9–1.0 24.66N 122.03E 0 3.7b,3.7 ¶621186119
TAP X 03 07 44 40.1 24.78N 122.24E 7–0 4.4L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=17.6km az=77.0.
TAP D.
ISC X 03 07 52 31.6–1.2 24.75N–.02 122.36E–.02 1–10 155 0-3
TAP X 03 07 52 32.7 24.79N 122.25E 5–0 3.6L ¶626602169
JMA X 03 07 52 33.6–.21 24.7N–.80 122.2E–.30 48–4 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 07 03 28 17.4–1.1 22.43N–.02 121.19E–.02 4–8 3.5b 139 0-47
IDC X 07 03 28 16.3–1.1 22.43N 121.42E 0 3.7,3.6b ¶626602317
TAP X 07 03 28 16.9 22.43N 121.12E 3–0 4.1L,3.6b
JMA X 07 03 28 17.8–.62 22N–2.0 121E–2.0 0 3.8,3.6b
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC X 03 21 41 28.4–1.0 24.74N–.02 122.26E–.02 8–8 147 0-2
TAP X 03 21 41 28.0 24.79N 122.25E 11–0 2.9L ¶626602186
JMA X 03 21 41 28.2–.10 24.7N–.80 122.3E–.30 0 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 04 06 07 52.4–.51 24.76N–.01 122.26E–.01 15–3 4.6b,4.5s 504 0-148
TAP X 04 06 07 50.5 24.78N 122.25E 4–0 5.1L,4.5s ¶621117538
ASIES X 04 06 07 50.5 24.77N 122.21E 5 4.7W,4.5s
NIED X 04 06 07 52.0 24.71N 122.23E 38 4.9W,4.5s
NEIC X 04 06 07 51.2–.68 24.75N–.06 122.23E–.05 10–4 4.6b,4.5s
BJI X 04 06 07 51.0 24.86N 122.27E 10 5.2b,5.0s
JMA X 04 06 07 52.0–.10 25N–1.0 122.2E–.40 38 5.0,4.6
GFZ X 04 06 07 53.3–.20 25N–4.0 122E–3.0 10 5.5b,5.0
GCMT X 04 06 07 55.2–.40 24.91N–.02 122.32E–.03 21–1 5.2W,5.0
IDC X 04 06 07 56.8–.63 24.70N 122.25E 54–6 4.4s,4.3
ISC Event type ke.
TAP C.
ASIES Moment Tensor Solution. NP1:ϕ_s61.00000°,δ28.00000°,λ-142.00000°. NP2:ϕ_s296.00000°,δ73.00000°,λ-67.00000°.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.03 $M_{\theta\theta}$2.36 $M_{\phi\phi}$-0.34 $M_{r\theta}$1.33 $M_{\theta\phi}$0.32 $M_{\phi r}$-0.43 NP1:ϕ_s67.00000°,δ32.00000°,λ-116.00000°. NP2:ϕ_s277.00000°,δ62.00000°,λ-75.00000°. $M_0$2.63000×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.7km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. TAIWAN REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110040607A. Moment Tensor Solution. s18,c23; s74,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.84±.50 $M_{\theta\theta}$5.67±.32; $M_{\phi\phi}$-0.83±.29; $M_{r\theta}$2.83±.41; $M_{\theta\phi}$0.77±.17; $M_{\phi r}$-4.38±.60; Best double couple: NP1:ϕ_s59.00000°,δ39.00000°,λ-140.00000°. NP2:ϕ_s296.00000°,δ66.00000°,λ-58.00000°. Principal axes:
T 6.4030,Plg15.0000°,Azm3.0000°; N 1.8150,Plg29.0000°,Azm102.0000°
; P -8.2190,Plg56.0000°,Azm249.0000° $M_0$7.31100×10^{16}
IDC Error ellipse: s-maj=16.0km s-min=11.1km az=72.0.
ISC X 06 06 15 31.1–.00 24.71N–.02 122.39E–.02 9–9 132 0-2
TAP X 06 06 15 31.1 24.76N 122.37E 14–0 3.2L ¶626602270
JMA X 06 06 15 31.2–.24 24.7N–.90 122.4E–.30 3–3 3.1
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .

TAP X 05 21 38 06.7 24.00N 122.24E 33–0 2.5L
¶626602264
TAP B.
ISC X 07 04 18 42.3–.51 24.55N–.03 122.58E–.02 85–4 4.6b 372 0-167
IDC X 07 04 18 42.6–.83 24.67N 122.61E 84–7 4.2,3.9b **¶621126671**
NEIC X 07 04 18 42.7–.84 24.58N–.06 122.56E–.03 81–4 4.8b,4.2
NEIC X 07 04 18 42.6 24.52N 122.56E 82 4.8b,4.2
TAP X 07 04 18 43.5 24.57N 122.56E 81–0 5.0L,4.2
JMA X 07 04 18 43.3–.13 24N–1.0 122.6E–.40 79–1 4.2,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.71 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-2.29 $M_{r\theta}$1.60 $M_{\theta\phi}$0.26 $M_{\phi r}$-0.27 NP1:ϕ_s23.51000°,δ48.24000°,λ138.99000°. NP2:ϕ_s143.59000°,δ60.69000°,λ49.80000°. Principal axes: T 2.8467,Plg55.0000°,Azm1.0000°; N -0.4766,Plg34.0000°,Azm166.0000°; P -2.3701,Plg7.0000°,Azm261.0000° $M_0$2.64000×10^{15}
NEIC Event type se.
TAP D.
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
ISC X 07 07 54 46.5–1.3 24.29N–.03 122.51E–.03 51–7 115 0-2
JMA X 07 07 54 46.0–.10 24N–1.0 122.5E–.40 45–2 2.1 **¶626602323**
TAP X 07 07 54 46.3 24.32N 122.49E 47–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC X 09 04 42 06.3–1.7 24.65N–.07 122.85E–.03 114–11 71 0-2
TAP X 09 04 42 06.3 24.72N 122.84E 111–0 2.9L **¶626602373**
JMA X 09 04 42 06.1–.31 25N–4.0 123E–1.0 112 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 08 09 07 21.3–1.1 24.03N–.04 122.47E–.03 32–7 56 0-2
JMA X 08 09 07 20.7–.15 24.0N–1.0 122.5E–.50 31 2.4 **¶626602357**
TAP X 08 09 07 22.1 24.14N 122.46E 28–0 3.1L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
TAP X 11 09 20 32.7 22.72N 122.81E 26–0 3.6L
¶626602449
TAP D.
ISC X 09 07 58 42.9–2.0 24.81N–.07 122.91E–.04 131–11 98 0-3
TAP X 09 07 58 41.4 24.90N 122.94E 138–0 3.3L **¶626602376**
JMA X 09 07 58 41.9–.33 25N–3.0 122.9E–1.0 142–2 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 10 08 14 54.0–1.1 24.76N–.03 122.46E–.03 14–9 71 0-2
TAP X 10 08 14 54.4 24.76N 122.41E 14–1 2.8L **¶626602403**
JMA X 10 08 14 55.5–.08 24.7N–.80 122.5E–.50 34–4 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 10 08 17 39.2–.98 24.75N–.03 122.42E–.03 17–8 50 0-1
TAP X 10 08 17 38.9 24.77N 122.40E 14–1 2.8L **¶626602404**
JMA X 10 08 17 39.9–.13 25N–1.0 122.4E–.50 22 1.7
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 10 08 49 42.5–1.3 24.66N–.03 122.32E–.02 94–5 230 0-3
JMA X 10 08 49 42.9–.25 25N–1.0 122.3E–.50 88–2 3.3 **¶626602406**
TAP X 10 08 49 42.9 24.70N 122.25E 95–0 4.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP X 11 20 52 46.3 24.02N 122.73E 41–2 3.4L
¶626602497
TAP C.
TAP X 11 20 52 51.5 24.92N 122.03E 13–0 3.1L
¶626602500
TAP C.
ISC X 15 00 15 35.6–1.4 24.65N–.04 122.25E–.03 69–7 95 0-2
TAP X 15 00 15 35.3 24.70N 122.17E 74–0 3.0L **¶626602627**
JMA X 15 00 15 35.3–.08 24.7N–.80 122.3E–.30 67–1 3.0L
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 15 06 34 51.6–1.2 24.64N–.02 122.04E–.02 66–4 237 0-4
TAP X 15 06 34 51.7 24.62N 122.01E 62–0 3.7L **¶626602633**
JMA X 15 06 34 51.2–.16 24.6N–.40 122.0E–.30 66–2 2.9
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 14 21 19 23.9–1.5 24.53N–.05 122.64E–.03 96–8 88 0-2
TAP X 14 21 19 23.5 24.59N 122.66E 97–0 3.1L **¶626602626**
JMA X 14 21 19 24.0–.09 25N–3.0 122.7E–.50 91–1 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 15 17 29 08.4–1.0 24.87N–.03 122.47E–.02 10–9 134 0-2
TAP X 15 17 29 08.3 24.90N 122.47E 16–0 3.5L **¶626602651**
JMA X 15 17 29 08.2–.15 25N–1.0 122.5E–.50 0 3.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 16 15 35 02.4–.75 21.18N–.02 121.17E–.04 12–4 4.8b,4.0s 367 1-95
BJI X 16 15 35 01.6 21.20N 121.00E 7 5.0b,4.4s **¶621204675**
MAN X 16 15 35 01.6 21.29N 121.07E 26 5.4b,4.5s
TAP X 16 15 35 02.1 21.13N 121.34E 63–0 4.6L,4.5s
NEIC X 16 15 35 02.4–1.9 21.18N–.06 121.11E–.08 10–1 4.8b,4.5s
NIED X 16 15 35 03.5 21.52N 121.09E 0 4.6W,4.5s
GFZ X 16 15 35 03.6–.19 21N–2.0 121E–4.0 10 5.3b,4.7b
IDC X 16 15 35 06.5–2.1 21.20N 121.33E 43–18 4.4,4.1b
ISC Event type fe.
MAN Event type fe.
TAP D.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.4km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.97 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$-0.36 $M_{r\theta}$3.04 $M_{\theta\phi}$4.32 $M_{\phi r}$6.18 NP1:ϕ_s102.00000°,δ34.00000°,λ7.00000°. NP2:ϕ_s6.00000°,δ86.00000°,λ124.00000°. $M_0$7.76000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=15.4km s-min=11.5km az=73.0.
ISC X 16 22 52 32.9–.00 21.2N–.10 121.4E–.20 60 3.2b 10 21-72
IDC X 16 22 52 25.4–1.0 21.25N 121.44E 0 3.5,3.4b **¶621242152**
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=20.7km az=65.0.
ISC X 17 11 23 32.8–1.2 21.79N–.06 120.58E–.04 30–6 3.6b,3.0s 86 0-67
TAP X 17 11 23 33.9 21.88N 120.70E 33–0 3.9L,3.0s **¶621242883**
IDC X 17 11 23 37.6–4.0 21.23N 122.21E 0 3.6b,3.6
ISC Event type se.
TAP C.
IDC Error ellipse: s-maj=324.7km s-min=23.2km az=62.0.
ISC X 16 21 28 53.9–1.4 24.63N–.04 122.55E–.03 98–7 197 0-3
TAP X 16 21 28 53.0 24.65N 122.53E 106–0 3.6L **¶626602672**
JMA X 16 21 28 53.3–.19 25N–2.0 122.5E–.50 101–1 2.8
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 18 17 12 41.7–1.2 24.74N–.04 122.47E–.03 16–10 52 0-1
TAP X 18 17 12 42.1 24.71N 122.45E 14–0 2.5L **¶626602764**
JMA X 18 17 12 43.2–.12 25N–1.0 122.5E–.40 35–2 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 17 23 39 34.9–2.0 21.77N–.05 122.01E–.04 13–12 208 0-4
TAP X 17 23 39 34.5 21.63N 122.02E 45–0 4.0L **¶626602720**
JMA X 17 23 39 34.5–.40 22N–2.0 122.0E–.80 10 4.4
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC X 19 06 21 46.9–.90 23.99N–.03 122.57E–.02 32–7 179 0-49
IDC X 19 06 21 44.2–2.4 23.92N 122.66E 0 3.9,3.7b **¶621244063**
JMA X 19 06 21 46.9–.27 24N–1.0 122.5E–.60 22–4 3.5,3.7b
TAP X 19 06 21 47.3 24.04N 122.56E 32–0 4.0L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=66.2km s-min=21.0km az=107.0.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC X 18 19 02 00.2–.91 24.79N–.02 122.28E–.02 17–7 166 0-3
TAP X 18 19 02 00.1 24.80N 122.26E 8–0 3.2L **¶626602729**
JMA X 18 19 02 00.6–.04 24.7N–.40 122.3E–.10 29–1 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 28 11 12 41.6–2.0 23.76N–.08 122.82E–.04 34–3 30 1-2
TAP X 28 11 12 40.8 23.84N 122.83E 63–0 2.5L **¶626603503**
JMA X 28 11 12 41.5–.17 23.8N–.80 122.8E–.80 54 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 22 03 17 37.6–1.0 24.26N–.08 122.77E–.03 29–8 25 0-1
TAP X 22 03 17 35.6 24.11N 122.82E 31–1 2.8L **¶626639366**
JMA X 22 03 17 37.0–.16 24.2N–.80 123E–1.0 31 1.6
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 25 09 05 56.8–1.1 24.82N–.02 122.33E–.02 8–9 157 0-2
TAP X 25 09 05 57.5 24.77N 122.27E 8–0 3.4L **¶626603335**
JMA X 25 09 05 58.3–.10 24.7N–.20 122.27E–.07 4–1 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 27 21 56 28.0–1.3 24.65N–.03 122.27E–.03 84–6 197 0-4
JMA X 27 21 56 28.2–.28 25N–1.0 122.3E–.50 80–3 2.5 **¶626603489**
TAP X 27 21 56 28.4 24.65N 122.25E 78–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP X 24 12 07 11.8 21.85N 121.33E 35–0 3.1L
¶626603209
TAP C.
ISC X 24 21 15 16.2–1.1 24.79N–.02 122.36E–.02 8–9 135 0-3
TAP X 24 21 15 17.7 24.80N 122.28E 10–0 3.3L **¶626603290**
JMA X 24 21 15 18.8–.10 25N–1.0 122.3E–.50 44 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 25 14 27 56.4–1.3 24.49N–.04 122.66E–.03 90–7 175 0-3
TAP X 25 14 27 55.8 24.50N 122.66E 94–0 3.6L **¶626603357**
JMA X 25 14 27 56.0–.20 25N–2.0 122.6E–.70 89–1 2.1
ISC Event type ke.
TAP B.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 19 08 29 16.8–.00 24.72N–.02 122.39E–.02 10–8 108 0-2
TAP X 19 08 29 16.9 24.75N 122.36E 12–0 2.9L **¶626602777**
JMA X 19 08 29 17.1–.19 25N–1.0 122.4E–.40 11–4 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 23 10 03 04.1–.97 23.70N–.02 122.05E–.02 30–7 4.0b 295 0-72
NEIC X 23 10 03 04.2–.84 23.72N–.03 122.04E–.04 28–0 4.1b **¶621309366**
TAP X 23 10 03 06.0 23.75N 121.98E 37–0 4.5L
JMA X 23 10 03 05.4–.30 24N–1.0 122.0E–.60 52 4.3
IDC X 23 10 03 07.0–3.4 23.80N 122.19E 50–38 3.8L,3.7
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.1km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP C.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=24.9km s-min=19.4km az=59.0.
ISC X 23 11 23 44.5–1.4 24.48N–.04 122.39E–.03 64–8 80 0-2
TAP X 23 11 23 45.0 24.49N 122.33E 63–0 2.8L **¶626603003**
JMA X 23 11 23 44.8–.14 24N–1.0 122.4E–.30 58–1 1.7
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC X 24 19 42 46.2–.93 22.87N–.02 121.40E–.02 23–5 183 0-4
TAP X 24 19 42 46.3 22.89N 121.34E 24–0 4.0L **¶626603280**
JMA X 24 19 42 46.0–.12 22.9N–.70 121E–2.0 30–3 3.7
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP X 25 23 46 07.8 24.21N 122.21E 33–0 2.9L
¶626603383
TAP B.
ISC X 28 08 58 57.4–1.6 24.43N–.08 122.91E–.03 99–9 56 0-2
TAP X 28 08 58 57.1 24.57N 122.92E 96–0 2.8L **¶626603500**
JMA X 28 08 58 57.7–.20 24N–2.0 122.9E–.70 94–1 1.8
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 29 07 16 05.1–.95 24.80N–.02 122.17E–.02 19–2 167 0-2
TAP X 29 07 16 05.5 24.81N 122.12E 13–0 3.4L **¶626603542**
JMA X 29 07 16 05.2–.13 24.8N–.90 122.2E–.20 24–4 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP X 30 16 08 37.1 21.73N 121.05E 31–1 2.9L
¶635741607
TAP C.
ISC X 29 12 50 44.8–1.9 23.90N–.02 122.07E–.02 38–2 214 0-4
JMA X 29 12 50 44.0–.11 23.9N–.80 122.1E–.70 36–3 2.9 **¶621256468**
TAP X 29 12 50 44.9 23.94N 122.03E 44–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC X 30 21 01 00.7–1.1 24.80N–.03 122.45E–.02 23–12 112 0-2
TAP X 30 21 01 01.2 24.78N 122.35E 10–0 3.0L **¶626603587**
JMA X 30 21 01 01.8–.12 25N–1.0 122.5E–.50 37–2 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 01 11 31 07.5–2.7 24.99N–.09 122.72E–.04 190–16 80 1-2
TAP XI 01 11 31 07.2 25.11N 122.61E 202–0 3.3L **¶626603641**
JMA XI 01 11 31 09.7–.37 25N–4.0 122.7E–.80 166–4 3.3L
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 31 12 45 07.1–1.4 24.48N–.05 122.69E–.03 89–8 98 0-2

TAP X 31 12 45 06.7 24.54N 122.69E 91–0 2.9L ¶626603611
JMA X 31 12 45 07.3–.17 24N–2.0 122.7E–.60 86–1 1.7
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 02 09 03 00.1–1.2 24.81N–.03 122.38E–.04 22–6 49 0-1
JMA XI 02 09 03 00.7–.20 25N–2.0 122.4E–.40 41 ¶626603688
TAP XI 02 09 03 00.1 24.84N 122.35E 15–0 2.5L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC XI 01 14 47 17.7–1.2 23.85N–.05 122.86E–.03 28–13 44 1-2
JMA XI 01 14 47 17.7–.20 23.8N–.70 122.9E–.40 23–3 1.9 ¶626603659
TAP XI 01 14 47 18.1 23.91N 122.88E 33–0 2.6L
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
TAP C.
ISC XI 01 19 29 36.4–1.1 24.66N–.04 122.73E–.02 19–2 82 0-2
TAP XI 01 19 29 36.5 24.64N 122.72E 17–0 2.7L ¶626603671
JMA XI 01 19 29 36.7–.09 25N–1.0 122.7E–.40 21–1 1.7
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 01 10 47 30.0–1.0 24.03N–.02 122.64E–.02 18–8 161 0-3
TAP XI 01 10 47 32.4 24.10N 122.63E 35–0 3.1L ¶626603640
JMA XI 01 10 47 32.1–.15 24N–1.0 122.6E–.50 33–3 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 02 16 52 55.3–.88 24.84N–.02 122.06E–.02 14–6 153 0-3
JMA XI 02 16 52 56.0–.06 24.8N–.40 122.1E–.30 28 2.5 ¶626603699
TAP XI 02 16 52 55.2 24.83N 122.04E 13–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC XI 02 17 41 09.4–1.3 24.50N–.03 122.86E–.02 96–6 264 0-5
TAP XI 02 17 41 09.3 24.54N 122.87E 95–0 3.7L ¶626603700
JMA XI 02 17 41 09.3–.18 24N–2.0 122.8E–.60 96–1 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 02 16 27 31.4–.91 24.85N–.02 122.09E–.02 13–7 106 0-2
JMA XI 02 16 27 31.5–.11 24.9N–.30 122.0E–.20 52–2 3.3 ¶626603696
TAP XI 02 16 27 31.6 24.83N 122.07E 10–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC XI 02 16 28 58.1–.89 24.85N–.03 122.07E–.02 16–6 74 0-2
JMA XI 02 16 28 58.3–.20 24.9N–.60 122.0E–.40 52–3 3.1 ¶626603697
TAP XI 02 16 28 58.4 24.84N 122.05E 12–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP XI 05 17 46 37.7 21.98N 121.50E 15–0 3.5L
¶626603933
TAP C.
ISC XI 05 13 19 34.5–1.0 24.77N–.02 122.25E–.02 5–9 207 0-3
TAP XI 05 13 19 34.4 24.79N 122.21E 7–0 3.2L ¶626603920
JMA XI 05 13 19 34.4–.10 24.7N–.80 122.2E–.30 0 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XI 03 14 58 48.2–1.1 22.33N–.02 121.40E–.02 9–9 210 0-5
TAP XI 03 14 58 49.8 22.28N 121.34E 30–0 3.6L ¶626603772
JMA XI 03 14 58 51.6–.08 22.5N–.50 121.5E–.50 13–2 3.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP XI 06 20 50 49.6 22.98N 122.18E 33–1 2.7L
¶626603967
TAP C.
ISC XI 06 02 10 03.7–1.0 23.99N–.03 122.96E–.02 29–10 167 0-4
JMA XI 06 02 10 03.7–.30 24.0N–1.0 123E–1.0 21 3.1 ¶626603946
TAP XI 06 02 10 04.6 24.12N 122.94E 40–0 3.5L
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
TAP D.
ISC XI 07 17 22 42.3–1.1 24.89N–.03 122.45E–.02 10–9 116 0-3
TAP XI 07 17 22 42.3 24.93N 122.47E 20–0 2.8L ¶626604003
JMA XI 07 17 22 42.4–.20 25N–1.0 122.4E–.60 0 2.5
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 07 01 40 47.1–1.0 24.80N–.03 122.24E–.02 10–10 83 0-2
TAP XI 07 01 40 47.5 24.80N 122.19E 8–0 3.3L ¶626603978
JMA XI 07 01 40 47.8–.17 24.7N–.80 122.2E–.30 47–4 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XI 08 03 11 44.6–1.2 24.91N–.03 122.47E–.02 10–9 122 0-2
TAP XI 08 03 11 45.9 24.88N 122.44E 19–0 3.3L ¶626604017
JMA XI 08 03 11 46.0–.17 25N–1.0 122.5E–.60 29–3 3.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 07 15 28 50.5–1.1 24.86N–.02 122.15E–.02 7–9 119 0-3
TAP XI 07 15 28 50.8 24.84N 122.11E 8–0 2.8L ¶626603995
JMA XI 07 15 28 51.6–.07 24.9N–.50 122.1E–.30 31 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XI 07 16 29 27.3–1.1 24.91N–.03 122.47E–.03 17–8 73 0-2
TAP XI 07 16 29 27.1 24.93N 122.47E 16–0 2.6L ¶626604000
JMA XI 07 16 29 27.6–.10 24.9N–.70 122.5E–.30 18 2.5
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 07 18 26 29.9–1.1 24.89N–.03 122.45E–.02 11–9 91 0-2
JMA XI 07 18 26 29.5–.41 25N–2.0 122.4E–.60 0–3 2.6 ¶626604005
TAP XI 07 18 26 30.1 24.90N 122.45E 18–0 2.7L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC XI 08 03 13 52.0–1.2 24.85N–.03 122.46E–.03 17–8 128 0-2
TAP XI 08 03 13 52.6 24.90N 122.45E 23–0 3.6L ¶626604018
JMA XI 08 03 13 52.5–.13 24.9N–.80 122.5E–.50 17–4 2.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 08 16 44 27.0–2.9 22.63N–.04 122.88E–.04 15–22 141 1-3
JMA XI 08 16 44 29.8–.47 23N–2.0 123E–1.0 49 3.4 ¶626604038
TAP XI 08 16 44 30.1 22.63N 122.85E 31–0 4.0L
ISC Event type ke.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
TAP D.
ISC XI 09 08 15 01.2–1.2 24.08N–.03 122.36E–.02 48–7 196 0-3
JMA XI 09 08 15 00.2–.13 24N–1.0 122.3E–.40 51–3 2.9 ¶626604058
TAP XI 09 08 15 01.1 24.12N 122.32E 52–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.

ISC XI 08 13 24 04.7–1.2 21.30N–.06 121.31E–.04 45–11 4.0b 194 1-74
IDC XI 08 13 23 58.1–.84 21.41N 121.82E 0 3.8b,3.8 ¶621423100
TAP XI 08 13 24 00.8 21.14N 121.31E 58–0 3.9L,3.8
NEIC XI 08 13 24 04.4–1.5 21.40N–.08 121.6E–.10 40–8 4.4b,3.8
ISC Event type se.
TAP D.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP XI 09 10 30 23.8 24.86N 122.09E 18–1 1.7L
¶626604065
TAP D.
ISC XI 11 04 40 55.0–1.4 24.87N–.03 122.86E–.04 6–9 3.6b,3.6s 197 0-82
IDC XI 11 04 40 54.7–5.9 24.77N 122.58E 0 3.8b,3.8 ¶621449504
TAP XI 11 04 40 55.8 24.85N 122.85E 10–1 3.7L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=385.4km s-min=29.8km az=59.0.
TAP D.
ISC XI 09 18 24 12.8–.41 23.97N–.01 122.37E–.01 17–1 4.7b,3.9s 751 0-100
BJI XI 09 18 24 10.5 23.98N 122.44E 11 4.6b,4.5s ¶621385510
NEIC XI 09 18 24 14.5–1.5 23.99N–.04 122.34E–.03 28–4 4.8b,4.5s
NIED XI 09 18 24 14.4 23.96N 122.30E 25 4.7W,4.5s
GFZ XI 09 18 24 14.3–.28 24N–3.0 122E–3.0 26–1 5.2b,4.8b
JMA XI 09 18 24 14.4–.13 24.0N–.90 122.3E–.40 25 4.8,4.6
GCMT XI 09 18 24 15.8–.40 23.92N–.03 122.39E–.04 36–1 4.8W,4.6
TAP XI 09 18 24 15.3 24.04N 122.25E 21–0 4.9L,4.6
IDC XI 09 18 24 17.7–2.4 24.17N 122.43E 50–23 4.4,4.2b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.02 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$1.05 $M_{r\theta}$-0.17 $M_{\theta\phi}$0.44 $M_{\phi r}$-0.03 NP1:ϕ_s147.00000°,δ82.00000°,λ-176.00000°. NP2:ϕ_s56.00000°,δ86.00000°,λ-8.00000°. M_o1.15000×10^{16}
GFZ Error ellipse: s-maj=6.1km s-min=4.8km az=49.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
JMA Event type ke. TAIWAN REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111091824A. Moment Tensor Solution. s21,c21; s59,c79; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.87±.17 $M_{\theta\theta}$-1.85±.10; $M_{\phi\phi}$-0.02±.10; $M_{r\theta}$0.69±.08; $M_{\theta\phi}$0.07±.08; $M_{\phi r}$0.24±.11; Best double couple: NP1:ϕ_s280.00000°,δ35.00000°,λ102.00000°. NP2:ϕ_s85.00000°,δ56.00000°,λ82.00000°. Principal axes: T 2.0250,Plg78.0000°,Azm326.0000°; N -0.0570,Plg7.0000°,Azm90.0000°; P -1.9750,Plg10.0000°,Azm181.0000° M_o2.00000×10^{16}
TAP B.
IDC Error ellipse: s-maj=18.2km s-min=10.6km az=65.0.
ISC XI 09 19 10 17.0–.00 24.05N–.03 122.63E–.02 29–11 125 0-3
JMA XI 09 19 10 17.1–.18 24N–1.0 122.6E–.70 26 2.5 ¶626604081
TAP XI 09 19 10 17.7 24.15N 122.62E 34–0 3.1L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC XI 10 14 31 15.3–1.0 24.72N–.03 122.46E–.02 15–9 92 0-2
TAP XI 10 14 31 15.2 24.73N 122.44E 16–0 3.1L ¶626604109
JMA XI 10 14 31 16.2–.11 25N–1.0 122.5E–.50 32–3 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 09 14 06 09.6–.87 23.94N–.02 122.32E–.02 27–6 3.7b 288 0-49
IDC XI 09 14 05 47.4–2.2 22.46N 123.95E 0 3.7b,3.7 ¶626604070
JMA XI 09 14 06 10.2–.23 24N–1.0 122.3E–.50 21–4 3.3,3.7
TAP XI 09 14 06 11.2 24.03N 122.25E 20–0 3.9L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=166.5km s-min=24.7km az=66.0.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XI 09 14 22 47.2–.93 23.97N–.02 122.30E–.02 24–7 268 0-4
TAP XI 09 14 22 47.9 24.04N 122.28E 23–0 3.3L ¶626604071
JMA XI 09 14 22 47.1–.23 24N–1.0 122.3E–.50 22–4 2.7
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC XI 12 21 45 15.4–1.1 24.86N–.03 122.40E–.02 11–10 84 0-2
TAP XI 12 21 45 15.3 24.89N 122.38E 9–0 2.9L ¶626604180
JMA XI 12 21 45 15.1–.13 24.8N–1.0 122.4E–.40 2 3.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 12 22 28 56.8–.50 21.55N–.02 119.94E–.03 38–2 4.3b,3.4s 332 1-80
IDC XI 12 22 28 50.4–.73 21.46N 120.05E 0 3.8b,3.8 ¶621402611
NEIC XI 12 22 28 54.2–1.2 21.67N–.07 119.91E–.04 10–1 4.5b,3.8
MAN XI 12 22 28 55.3 21.29N 119.96E 12 5.2b,4.3s
TAP XI 12 22 28 56.1 21.62N 120.00E 71–0 4.9L,4.3s
JMA XI 12 22 28 56.7–.23 22N–1.0 120E–2.0 64–3 4.6,4.3s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC XI 13 00 10 09.1–2.1 25.10N–.07 122.31E–.04 176–11 133 0-3
TAP XI 13 00 10 08.7 25.18N 122.32E 180–0 3.7L ¶626604183
JMA XI 13 00 10 09.2–.28 25N–2.0 122.3E–.70 177–2 3.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XI 16 09 11 43.2–.63 24.88N–.03 122.43E–.02 135–4 3.6b 307 0-120
IDC XI 16 09 11 40.7–3.6 24.84N 122.19E 109–35 4.1,3.4b ¶621475673
TAP XI 16 09 11 43.5 24.89N 122.45E 129–0 4.4L,3.4b
JMA XI 16 09 11 43.5–.15 24.9N–1.0 122.4E–.40 126–1 4.0,3.4b
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XI 14 09 06 18.7–1.2 24.85N–.03 122.47E–.03 12–9 81 0-2
TAP XI 14 09 06 19.7 24.86N 122.36E 10–0 2.8L ¶626604242
JMA XI 14 09 06 19.2–.14 25N–1.0 122.5E–.50 34 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 14 16 08 51.6–1.7 25.19N–.06 122.69E–.03 189–9 167 1-4
TAP XI 14 16 08 51.5 25.29N 122.69E 189–0 3.5L ¶626604254
JMA XI 14 16 08 51.9–.26 25N–2.0 122.7E–.60 190–2 3.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 13 01 03 29.7–1.2 24.27N–.04 122.99E–.02 42–8 121 0-3
TAP XI 13 01 03 29.4 24.30N 122.94E 41–0 3.4L ¶626604185
JMA XI 13 01 03 29.5–.10 24N–2.0 123.0E–.50 48–0 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 15 09 46 56.6–1.2 24.03N–.03 122.65E–.03 41–11 164 0-3
TAP XI 15 09 46 55.9 24.12N 122.63E 53–0 3.2L ¶626604271
JMA XI 15 09 46 55.8–.13 24N–2.0 122.6E–.60 42–4 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 18 06 10 16.4–1.2 24.83N–.03 122.44E–.03 9–10 78 0-2
TAP XI 18 06 10 16.9 24.81N 122.38E 12–0 3.0L ¶626604374
JMA XI 18 06 10 18.4–.08 24.7N–.90 122.4E–.30 32 2.3
ISC Event type ke.
TAP C.

JMA Event type ke. TAIWAN REGION .
ISC XI 17 16 58 23.7–1.3 24.81N–.03 122.15E–.02 87–5 249 0-4
TAP XI 17 16 58 24.2 24.79N 122.15E 81–0 3.7L **¶626604348**
JMA XI 17 16 58 24.1–.23 24.8N–.90 122.2E–.40 80–2 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XI 17 02 25 35.0–.41 24.78N–.01 122.23E–.02 16–2 4.8b,4.2s 649 0-167
IDC XI 17 02 25 31.6–.48 24.74N 122.34E 0 4.2b,4.2 **¶621413499**
BJI XI 17 02 25 33.5 24.80N 122.25E 10 5.1b,4.9s
NEIC XI 17 02 25 34.9 24.74N 122.21E 12 5.1b,4.9s
NEIC XI 17 02 25 34.6–1.2 24.77N–.06 122.23E–.06 12–4 5.0b,4.9
JMA XI 17 02 25 35.0–.14 24.7N–.70 122.2E–.30 45–3 4.9,4.6
NIED XI 17 02 25 35.0 24.73N 122.19E 45 4.9W,4.6
ASIES XI 17 02 25 35.5 24.77N 122.18E 6 4.7W,4.6
GFZ XI 17 02 25 35.6–.18 25N–3.0 122E–2.0 10 5.2b,4.9
TAP XI 17 02 25 35.1 24.78N 122.18E 10–0 5.3L,4.9
GCMT XI 17 02 25 36.5–.20 24.86N–.01 122.17E–.02 17–0 5.0W,4.9
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.44 $M_{\theta\theta}$1.66 $M_{\phi\phi}$-0.22 $M_{r\theta}$2.11 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.32 NP1:ϕ_s127.19000°,δ25.49000°,λ-34.51000°. NP2:ϕ_s249.02000°,δ75.89000°,λ-111.45000°. Principal axes: T 2.7436,Plg28.0000°,Azm356.0000° ; N 0.4334,Plg21.0000°,Azm254.0000°; P -3.1771,Plg54.0000°,Azm133.0000° M_o2.98000×10^{16}
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.62 $M_{\theta\theta}$2.07 $M_{\phi\phi}$-0.45 $M_{r\theta}$1.91 $M_{\theta\phi}$-0.07 $M_{\phi r}$-0.03 NP1:ϕ_s92.00000°,δ22.00000°,λ-89.00000°. NP2:ϕ_s271.00000°,δ68.00000°,λ-90.00000°. M_o2.66000×10^{16}
ASIES Moment Tensor Solution. NP1:ϕ_s110.00000°,δ31.00000°,λ-69.00000°. NP2:ϕ_s266.00000°,δ61.00000°,λ-102.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
TAP C.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111170225A. Moment Tensor Solution. s42,c53; s110,c162; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.85±.14 $M_{\theta\theta}$3.09±.10; $M_{\phi\phi}$-0.23±.08; $M_{r\theta}$1.82±.20; $M_{\theta\phi}$-0.25±.06; $M_{\phi r}$-0.12±.25; Best double couple: NP1:ϕ_s95.00000°,δ29.00000°,λ-89.00000°. NP2:ϕ_s274.00000°,δ61.00000°,λ-90.00000°. Principal axes: T 3.6230,Plg16.0000°,Azm4.0000°; N -0.2580,Plg0.0000°,Azm274.0000° ; P -3.3640,Plg74.0000°,Azm183.0000° M_o3.49300×10^{16}
ISC XI 19 02 44 41.0–.94 24.75N–.02 122.23E–.02 13–7 117 0-2
TAP XI 19 02 44 41.3 24.75N 122.16E 7–0 3.1L **¶626604401**
JMA XI 19 02 44 41.3–.13 25N–1.0 122.2E–.40 2 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP XI 18 14 13 20.1 24.77N 122.16E 8–0 2.1L
¶626604390
TAP D.
ISC XI 19 11 56 14.2–1.5 24.49N–.04 122.24E–.03 79–8 99 0-2
TAP XI 19 11 56 14.5 24.47N 122.13E 83–0 3.1L **¶626604412**
JMA XI 19 11 56 14.3–.18 24.4N–.90 122.2E–.30 74–2 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XI 19 12 58 41.5–1.3 24.43N–.04 122.77E–.02 89–7 120 0-3
TAP XI 19 12 58 41.5 24.47N 122.78E 87–0 3.3L **¶626604413**
JMA XI 19 12 58 41.4–.15 24N–2.0 122.8E–.50 87–1 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 19 13 08 54.9–1.1 24.52N–.02 122.18E–.02 14–9 155 0-3
TAP XI 19 13 08 56.9 24.58N 122.14E 44–0 3.4L **¶626604414**
JMA XI 19 13 08 56.2–.16 24.5N–.60 122.2E–.30 57–2 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XI 20 05 51 34.3–1.1 24.79N–.02 122.22E–.02 12–8 130 0-3
TAP XI 20 05 51 35.0 24.79N 122.18E 16–0 3.3L **¶626604443**
JMA XI 20 05 51 35.4–.08 24.7N–.80 122.2E–.30 33 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XI 19 10 56 31.5–1.1 24.85N–.04 122.42E–.03 13–9 62 0-1
TAP XI 19 10 56 31.9 24.86N 122.35E 10–0 2.5L **¶626604406**
JMA XI 19 10 56 32.1–.16 24.8N–1.0 122.4E–.30 11 2.5L
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 19 19 16 45.8–1.4 24.51N–.05 122.94E–.03 97–8 125 0-3
TAP XI 19 19 16 45.4 24.59N 122.96E 95–0 3.2L **¶626604425**
JMA XI 19 19 16 45.5–.21 25N–2.0 122.9E–.70 97–1 1.7
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 21 05 10 14.3–.63 24.43N–.03 122.76E–.02 88–4 4.2b 315 0-72
NEIC XI 21 05 10 14.8–.99 24.44N–.04 122.79E–.05 92–5 4.4b **¶621608894**
TAP XI 21 05 10 15.8 24.47N 122.75E 84–0 4.2L
JMA XI 21 05 10 15.8–.15 24N–2.0 122.7E–.50 84–1 3.1
IDC XI 21 05 10 19.1–10 24.43N 122.46E 126–103 4.1s,3.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP B.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=96.9km s-min=22.9km az=67.0.
ISC XI 20 08 47 26.0–1.5 24.96N–.04 122.29E–.04 131–7 221 0-4
TAP XI 20 08 47 26.5 24.96N 122.31E 126–0 4.0L **¶626604447**
JMA XI 20 08 47 26.6–.16 24.9N–.90 122.3E–.40 125–1 2.9
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XI 21 09 53 47.9–1.2 24.64N–.03 122.08E–.02 51–6 135 0-3
JMA XI 21 09 53 46.7–.26 24.6N–.80 122.1E–.50 64–3 2.7 **¶626604485**
TAP XI 21 09 53 47.2 24.61N 122.04E 54–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC XI 22 13 33 22.1–1.4 21.68N–.04 121.79E–.04 17–8 4.1b,3.5s 164 0-95
IDC XI 22 13 33 19.3–.77 21.50N 121.61E 0 4.0,3.9b **¶621611913**
NIED XI 22 13 33 20.6 21.61N 121.68E 82 4.6W,3.9b
TAP XI 22 13 33 20.2 21.59N 121.80E 35–0 4.3L,3.9b
JMA XI 22 13 33 20.6–.51 22N–2.0 122E–1.0 82 4.2,3.9b
NEIC XI 22 13 33 22.4–1.4 21.72N–.08 121.9E–.10 16–5 4.5b,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.15 $M_{\theta\theta}$2.55 $M_{\phi\phi}$0.60 $M_{r\theta}$6.57 $M_{\theta\phi}$-0.26 $M_{\phi r}$4.87 NP1:ϕ_s97.00000°,δ11.00000°,λ-50.00000°. NP2:ϕ_s236.00000°,δ82.00000°,λ-97.00000°. M_o8.58000×10^{15}
TAP D.
JMA Event type ke. TAIWAN REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 24 07 46 43.4–1.3 23.69N–.04 122.94E–.03 50 100 1-2
TAP XI 24 07 46 43.5 23.78N 122.95E 51–0 3.3L **¶626604582**
JMA XI 24 07 46 43.4–.18 23.8N–.80 122.9E–.70 55 2.9
ISC Event type ke.
TAP D.

JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC XI 23 13 07 00.7–1.4 24.74N–.04 122.44E–.03 118–7 146 0-3
JMA XI 23 13 07 00.9–.19 25N–1.0 122.4E–.40 112–1 2.3 **¶626604554**
TAP XI 23 13 07 01.2 24.76N 122.41E 116–0 3.5L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC XI 24 09 01 04.4–1.1 24.01N–.04 122.63E–.03 31–11 80 0-2
TAP XI 24 09 01 04.5 24.18N 122.67E 50–0 3.0L **¶626604584**
JMA XI 24 09 01 05.2–.18 24N–1.0 122.7E–.80 31 3.0L
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 25 21 15 08.2–.64 21.94N–.02 121.29E–.03 70–5 4.1b 359 0-85
NEIC XI 25 21 15 05.7–1.4 21.80N–.03 121.30E–.06 35–2 4.2b **¶621615774**
IDC XI 25 21 15 08.9–3.3 21.88N 121.53E 82–31 4.1,3.7b
JMA XI 25 21 15 08.4–.30 22N–1.0 121E–1.0 57 4.4,3.7b
TAP XI 25 21 15 08.1 21.98N 121.28E 69–0 4.6L,3.7b
NIED XI 25 21 15 08.4 22.00N 121.36E 57 4.1W,3.7b
MAN XI 25 21 15 11.1 21.66N 121.29E 33 5.2b,4.2s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=3.5km az=247.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=11.4km az=73.0.
JMA Event type ke. TAIWAN REGION .
TAP C.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.04 $M_{\theta\theta}$0.30 $M_{\phi\phi}$-0.33 $M_{r\theta}$1.15 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.55 NP1:ϕ_s160.00000°,δ23.00000°,λ4.00000°. NP2:ϕ_s67.00000°,δ88.00000°,λ113.00000°. M_o1.38000×10^{15}
MAN Event type fe.
ISC XI 24 09 55 18.7–.47 23.99N–.02 122.45E–.02 32–3 5.0b,4.4s 848 0-167
BKK XI 24 09 55 12.5–3.1 24N–25 123E–16 34–39 5.1,4.8L **¶621453086**
BJI XI 24 09 55 15.9 24.07N 122.45E 14 5.2b,5.0L
NIED XI 24 09 55 17.8 23.94N 122.44E 22 5.1W,5.0L
JMA XI 24 09 55 17.8–.23 24N–1.0 122.4E–.50 22–4 5.2,5.0W
NEIC XI 24 09 55 18.6–1.5 24.01N–.05 122.45E–.05 26–4 5.1b,4.9
NEIC XI 24 09 55 18.4 24.02N 122.44E 24 5.1b,4.9
TAP XI 24 09 55 19.0 24.06N 122.41E 27–0 5.3L,4.9
GCMT XI 24 09 55 19.2–.20 23.86N–.01 122.38E–.01 38–0 5.0W,4.9
GFZ XI 24 09 55 19.1–.55 24N–3.0 122E–2.0 27–3 5.6b,5.1b
IDC XI 24 09 55 20.5–1.3 24.14N 122.58E 48–12 4.6,4.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.01 $M_{\theta\theta}$-2.87 $M_{\phi\phi}$1.86 $M_{r\theta}$3.14 $M_{\theta\phi}$0.13 $M_{\phi r}$1.97 NP1:ϕ_s313.00000°,δ30.00000°,λ164.00000°. NP2:ϕ_s57.00000°,δ82.00000°,λ61.00000°. M_o4.46000×10^{16}
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.0km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.69 $M_{\theta\theta}$-1.69 $M_{\phi\phi}$1.00 $M_{r\theta}$2.15 $M_{\theta\phi}$1.32 $M_{\phi r}$1.12 NP1:ϕ_s331.01000°,δ38.14000°,λ166.75000°. NP2:ϕ_s71.50000°,δ81.86000°,λ52.61000°. Principal axes: T 3.2067,Plg41.0000°,Azm307.0000°; N -0.1543,Plg37.0000°,Azm78.0000°; P -3.0524,Plg27.0000°,Azm190.0000° M_o3.13000×10^{16}
NEIC Event type se.
TAP C.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111240955A. Moment Tensor Solution. s70,c92; s101,c160; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.60±.13 $M_{\theta\theta}$-3.51±.08; $M_{\phi\phi}$0.90±.09; $M_{r\theta}$2.33±.10; $M_{\theta\phi}$0.04±.07; $M_{\phi r}$1.33±.10; Best double couple: NP1:ϕ_s295.00000°,δ31.00000°,λ132.00000°. NP2:ϕ_s69.00000°,δ67.00000°,λ68.00000°. Principal axes: T 3.9270,Plg61.0000°,Azm305.0000°; N 0.3910,Plg20.0000°,Azm78.0000° ; P -4.3260,Plg19.0000°,Azm175.0000° M_o4.12700×10^{16}
GFZ Error ellipse: s-maj=5.7km s-min=5.0km az=174.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=13.7km s-min=10.3km az=72.0.
ISC XI 24 20 17 36.5–.96 23.96N–.02 122.44E–.02 26–7 207 0-4
TAP XI 24 20 17 37.0 24.05N 122.44E 26–0 3.5L **¶626604602**
JMA XI 24 20 17 36.4–.24 24N–2.0 122.4E–.80 21 2.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 24 15 46 03.3–1.2 24.07N–.03 122.59E–.02 33–2 121 0-2
JMA XI 24 15 46 02.6–.15 24N–2.0 122.6E–.50 34–3 1.8 **¶626604593**
TAP XI 24 15 46 03.1 24.16N 122.56E 37–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC XI 26 18 27 12.8–1.3 24.68N–.03 122.06E–.02 67–5 208 0-3
TAP XI 26 18 27 12.5 24.65N 122.03E 67–0 3.5L **¶626604645**
JMA XI 26 18 27 12.3–.22 24.6N–.60 122.0E–.40 70–2 2.3
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC XI 26 19 55 13.2–1.3 24.51N–.03 122.61E–.02 64–6 216 0-3
TAP XI 26 19 55 12.9 24.54N 122.59E 64–0 3.5L **¶626604647**
JMA XI 26 19 55 13.0–.14 24N–2.0 122.6E–.50 65–1 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 28 22 38 51.2–1.3 24.49N–.04 122.87E–.02 96–7 179 0-3
TAP XI 28 22 38 50.8 24.59N 122.86E 97–0 3.7L **¶626604837**
JMA XI 28 22 38 50.8–.18 24N–2.0 122.9E–.60 99–1 3.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 27 02 50 52.3–1.5 24.88N–.04 122.69E–.03 7–13 77 0-3
TAP XI 27 02 50 53.1 24.88N 122.66E 7–0 3.4L **¶626604666**
JMA XI 27 02 50 54.3–.21 25N–1.0 122.7E–.70 24–2 2.5
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 27 15 20 16.6–1.1 24.88N–.03 122.48E–.03 17–9 84 0-2
TAP XI 27 15 20 16.4 24.89N 122.46E 12–0 2.8L **¶626604752**
JMA XI 27 15 20 16.8–.08 24.9N–.60 122.5E–.20 21 2.7
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 28 11 31 11.1–1.3 24.43N–.03 122.80E–.03 90–7 222 0-3
TAP XI 28 11 31 11.2 24.47N 122.79E 90–0 3.6L **¶626604817**
JMA XI 28 11 31 11.1–.13 24N–2.0 122.8E–.40 88–1 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP XI 26 20 24 58.7 21.67N 121.01E 35–0 3.7L
¶626604649
TAP C.
TAP XI 28 09 32 10.4 21.93N 121.37E 15–0 3.7L
¶626604815
TAP C.
ISC XI 29 15 30 07.9–1.0 24.87N–.02 122.38E–.02 13–9 105 0-2
JMA XI 29 15 30 07.3–.14 25N–1.0 122.4E–.40 0 **¶626604859**
TAP XI 29 15 30 08.1 24.89N 122.34E 10–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC XI 29 06 15 11.1–1.5 24.59N–.04 122.61E–.03 107–7 190 0-3
TAP XI 29 06 15 10.7 24.64N 122.60E 109–0 3.9L **¶626604850**
JMA XI 29 06 15 11.2–.18 25N–2.0 122.6E–.50 107–1 2.2
ISC Event type ke.
TAP C.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 29 00 33 19.0–1.3 24.40N–.04 122.42E–.03 55–7 97 0-2
TAP XI 29 00 33 18.6 24.47N 122.42E 54–0 3.0L **¶626604840**
JMA XI 29 00 33 18.9–.23 24N–3.0 122.4E–.70 49–4 3.0L
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 30 23 17 45.6–.68 22.90N–.02 121.70E–.02 12–4 4.5b,3.8s 405 0-93
IDC XI 30 23 17 43.7–.70 22.90N 121.76E 0 4.3,4.2L **¶621564917**
NEIC XI 30 23 17 45.0–1.3 22.95N–.06 121.71E–.05 5–4 4.6b,4.2L
JMA XI 30 23 17 45.5–.19 22.9N–.40 122E–1.0 28–3 4.5,4.2L
NIED XI 30 23 17 45.5 22.90N 121.68E 28 4.5W,4.2L
GFZ XI 30 23 17 45.7–.69 23N–4.0 122E–5.0 4–3 4.9b,4.7b
BJI XI 30 23 17 46.1 22.91N 121.70E 17 4.8b,4.3s
ASIES XI 30 23 17 46.5 22.89N 121.63E 18 4.4W,4.3s
TAP XI 30 23 17 46.9 22.92N 121.61E 23–0 4.9L,4.3s
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=16.3km az=40.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.6km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.71 $M_{\theta\theta}$4.24 $M_{\phi\phi}$-1.53 $M_{r\theta}$5.09 $M_{\theta\phi}$-0.49 $M_{\phi r}$3.22 NP1:ϕ_s126.00000°,δ25.00000°,λ-30.00000°. NP2:ϕ_s243.00000°,δ78.00000°,λ-112.00000°. M_o7.10000×10^{15}
GFZ Error ellipse: s-maj=12.1km s-min=6.1km az=118.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ASIES Moment Tensor Solution. NP1:ϕ_s43.00000°,δ50.00000°,λ132.00000°. NP2:ϕ_s168.00000°,δ55.00000°,λ51.00000°.
TAP C.
ISC XII 01 08 57 03.6–1.0 22.90N–.02 121.68E–.02 12–6 4.2b 281 0-84
IDC XII 01 08 57 01.9–.82 22.93N 121.75E 0 4.0,3.9L **¶621568624**
NIED XII 01 08 57 03.7 22.88N 121.64E 30 4.4W,3.9L
JMA XII 01 08 57 03.7–.21 22.9N–.40 122E–2.0 30–4 4.1,3.9L
NEIC XII 01 08 57 04.4–1.9 22.96N–.02 121.69E–.05 10–1 4.4b,3.9L
ASIES XII 01 08 57 05.5 22.90N 121.61E 16 4.0W,3.9L
TAP XII 01 08 57 05.0 22.92N 121.62E 19–0 4.5L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=17.7km az=68.0.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.10 $M_{\theta\theta}$3.21 $M_{\phi\phi}$-1.11 $M_{r\theta}$2.15 $M_{\theta\phi}$0.68 $M_{\phi r}$2.29 NP1:ϕ_s113.00000°,δ32.00000°,λ-34.00000°. NP2:ϕ_s232.00000°,δ73.00000°,λ-118.00000°. M_o4.27000×10^{15}
JMA Event type ke. TAIWAN REGION .
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=3.5km az=260.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASIES Moment Tensor Solution. NP1:ϕ_s169.00000°,δ47.00000°,λ68.00000°. NP2:ϕ_s19.00000°,δ48.00000°,λ111.00000°.
TAP C.
ISC XII 01 15 26 26.8–1.1 21.48N–.07 121.11E–.03 47–9 4.0b,3.2s 220 0-81
IDC XII 01 15 26 21.4–.90 21.36N 121.19E 0 3.8b,3.8 **¶621629827**
NEIC XII 01 15 26 23.1–1.6 21.46N–.09 121.12E–.04 10–1 4.5b,3.8
TAP XII 01 15 26 23.9 21.41N 121.23E 58–0 4.3L,3.8
JMA XII 01 15 26 24.8–.42 22N–2.0 121E–3.0 60 4.4,3.8
NIED XII 01 15 26 24.8 21.61N 120.92E 60 4.0W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=17.4km az=69.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.8km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP D.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$1.02 $M_{\phi\phi}$-1.05 $M_{r\theta}$0.82 $M_{\theta\phi}$0.18 $M_{\phi r}$0.31 NP1:ϕ_s135.00000°,δ57.00000°,λ11.00000°. NP2:ϕ_s39.00000°,δ81.00000°,λ146.00000°. M_o1.33000×10^{15}
ISC XII 01 18 46 16.6–1.4 24.48N–.06 122.83E–.03 62–8 65 0-2
TAP XII 01 18 46 15.7 24.49N 122.84E 64–0 2.8L **¶626604944**
JMA XII 01 18 46 16.7–.16 24N–4.0 122.8E–.70 57–2 1.6
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XII 01 19 29 13.7–.98 24.77N–.02 122.25E–.02 11–8 142 0-3
TAP XII 01 19 29 14.0 24.79N 122.21E 11–0 3.2L **¶626604947**
JMA XII 01 19 29 14.2–.15 24.7N–.80 122.2E–.30 45–4 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XII 02 20 59 57.0–1.3 24.50N–.04 122.44E–.03 66–7 106 0-2
TAP XII 02 20 59 56.9 24.55N 122.45E 64–0 2.9L **¶626604984**
JMA XII 02 20 59 57.1–.12 24N–1.0 122.4E–.30 61–1 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XII 04 15 30 39.5–1.0 23.76N–.02 122.26E–.02 25–10 149 0-2
JMA XII 04 15 30 39.9–.12 23.9N–.90 122.2E–.50 54 2.2 **¶626605022**
TAP XII 04 15 30 40.2 23.79N 122.24E 23–0 2.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XII 04 13 14 09.6–1.0 24.03N–.04 122.48E–.02 33–7 66 0-2
JMA XII 04 13 14 09.5–.17 24N–2.0 122.5E–.50 35–4 2.0 **¶626605015**
TAP XII 04 13 14 10.5 24.13N 122.46E 26–0 2.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC XII 05 00 51 39.8–1.4 24.48N–.10 122.95E–.03 52–7 29 0-2
JMA XII 05 00 51 40.3–.10 24N–3.0 123.0E–.50 45–2 1.9 **¶626605035**
TAP XII 05 00 51 40.6 24.55N 122.88E 42–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC XII 04 20 24 37.6–.77 24.04N–.02 122.42E–.02 30–5 4.2b 276 0-74
IDC XII 04 20 24 33.3–.75 24.06N 122.31E 0 4.1b,4.1 **¶621630690**
NEIC XII 04 20 24 36.8–1.4 23.97N–.04 122.48E–.03 25–6 4.3b,4.1
NIED XII 04 20 24 37.4 24.00N 122.40E 20 4.1W,4.1
TAP XII 04 20 24 37.8 24.10N 122.41E 26–0 4.3L,4.1
JMA XII 04 20 24 37.4–.22 24N–1.0 122.4E–.40 20–3 4.1,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.57 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$0.15 $M_{r\theta}$1.30 $M_{\theta\phi}$-0.16 $M_{\phi r}$0.77 NP1:ϕ_s284.00000°,δ15.00000°,λ132.00000°. NP2:ϕ_s60.00000°,δ79.00000°,λ80.00000°. M_o1.65000×10^{15}
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XII 06 13 05 52.2–.33 24.86N–.02 122.05E–.02 111–2 4.6b 544 0-161
TAP XII 06 13 05 51.9 24.86N 122.05E 105–0 5.5L **¶621614095**
JMA XII 06 13 05 51.2–.20 24.8N–.70 122.0E–.40 107–1 4.4,4.2
ASIES XII 06 13 05 51.5 24.86N 122.06E 106 4.5W,4.2
BJI XII 06 13 05 51.0 24.92N 122.02E 90 4.8b,4.2b
NIED XII 06 13 05 51.2 24.81N 122.01E 107 4.6W,4.2b
NEIC XII 06 13 05 52.0–1.5 24.85N–.06 122.08E–.05 105–3 4.7b,4.2b
GFZ XII 06 13 05 52.6–.23 25N–4.0 122E–3.0 100–2 5.0b,4.7b
IDC XII 06 13 05 52.3–.54 24.89N 122.09E 115–3 4.1,3.8b
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. NP1:ϕ_s255.00000°,δ44.00000°,λ23.00000°. NP2:ϕ_s148.00000°,δ75.00000°,λ131.00000°.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.50 $M_{\theta\theta}$-4.45 $M_{\phi\phi}$4.95 $M_{r\theta}$2.26 $M_{\theta\phi}$3.88 $M_{\phi r}$-5.01 NP1:ϕ_s244.00000°,δ48.00000°,λ-3.00000°. NP2:ϕ_s336.00000°,δ88.00000°,λ-138.00000°. M_o8.21000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.8km az=166.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=10.6km s-min=10.4km az=131.0.
TAP XII 06 13 10 21.7 24.85N 122.07E 107–0 3.1L
¶626605086
TAP C.
ISC XII 06 14 11 03.5–1.3 24.87N–.03 122.04E–.02 108–5 272 0-4
TAP XII 06 14 11 03.9 24.86N 122.05E 105–0 3.8L **¶626605091**
JMA XII 06 14 11 03.9–.25 24.8N–.90 122.0E–.50 102–2 2.1
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC XII 09 05 37 41.6–1.5 24.66N–.05 122.65E–.03 103–8 118 0-2
TAP XII 09 05 37 40.2 24.72N 122.66E 113–0 3.5L **¶626605257**
JMA XII 09 05 37 40.8–.18 25N–2.0 122.6E–.50 108–1 2.7
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XII 08 09 42 22.5–1.2 24.44N–.03 122.75E–.02 67–6 221 0-5
TAP XII 08 09 42 22.5 24.51N 122.73E 63–0 3.9L **¶626605233**
JMA XII 08 09 42 22.2–.15 24N–2.0 122.7E–.60 67–1 3.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XII 09 16 56 21.6–1.1 23.95N–.04 122.93E–.03 31–12 62 1-2
TAP XII 09 16 56 21.2 23.96N 122.95E 31–1 2.9L **¶626605264**
JMA XII 09 16 56 22.1–.18 24N–1.0 122.9E–.70 36–4 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC XII 10 00 01 27.0–1.1 24.90N–.02 122.27E–.02 7–8 3.6b 255 0-50
IDC XII 10 00 01 27.8–1.1 24.43N 121.39E 0 3.8b,3.7 **¶621644092**
TAP XII 10 00 01 28.3 24.91N 122.20E 9–0 4.2L,3.7
JMA XII 10 00 01 29.1–.10 24.9N–.80 122.2E–.30 30 3.2,3.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XII 10 07 02 11.3–1.0 24.76N–.02 122.24E–.02 8–9 130 0-2
JMA XII 10 07 02 11.6–.11 24.7N–.90 122.2E–.40 0 2.8 **¶626605278**
TAP XII 10 07 02 12.2 24.78N 122.16E 10–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC XII 09 19 57 21.3–1.1 24.83N–.03 122.37E–.02 11–9 151 0-3
TAP XII 09 19 57 22.7 24.75N 122.29E 12–0 3.2L **¶626605267**
JMA XII 09 19 57 22.8–.11 25N–1.0 122.4E–.40 36–3 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XII 11 02 35 06.0–1.1 21.3N–.20 122.3E–.40 35 3.4b 6 22-85
IDC XII 11 02 35 00.8–1.1 21.37N 122.35E 0 3.5b,3.5 **¶621644164**
ISC Event type se.
IDC Error ellipse: s-maj=70.6km s-min=21.2km az=67.0.
ISC XII 12 12 39 19.7–1.2 21.2N–.20 121.2E–.30 36 3.4b 6 17-67
IDC XII 12 12 39 14.8–1.2 21.07N 120.98E 0 3.7s,3.6b **¶621650507**
ISC Event type se.
IDC Error ellipse: s-maj=70.0km s-min=20.6km az=66.0.
ISC XII 12 06 16 14.2–.91 24.14N–.02 122.14E–.02 31–7 233 0-4
JMA XII 12 06 16 13.9–.09 24.1N–.60 122.1E–.40 44–2 3.2 **¶626605325**
TAP XII 12 06 16 14.0 24.20N 122.14E 40–0 4.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC XII 15 21 26 57.8–1.1 24.83N–.02 122.34E–.02 11–9 202 0-4
TAP XII 15 21 26 59.9 24.79N 122.24E 10–0 3.5L **¶626605423**
JMA XII 15 21 27 00.2–.19 24.7N–.90 122.3E–.30 50–3 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP XII 13 18 12 38.5 21.99N 121.29E 22–1 2.4L
¶626605374
TAP C.
ISC XII 15 09 01 21.3–1.2 24.67N–.02 122.06E–.02 69–5 286 0-4
JMA XII 15 09 01 21.1–.22 24.6N–.70 122.0E–.40 71–2 3.2 **¶626605410**
TAP XII 15 09 01 21.4 24.66N 122.04E 65–0 3.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XII 13 15 11 28.2–1.5 24.84N–.06 122.89E–.03 134–9 124 0-3
TAP XII 13 15 11 27.0 24.88N 122.89E 142–0 3.4L **¶626605371**
JMA XII 13 15 11 27.5–.24 25N–3.0 122.9E–.70 137–2 3.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XII 13 14 49 55.6–1.7 24.63N–.07 122.82E–.03 103–11 75 0-2
JMA XII 13 14 49 54.7–.22 25N–3.0 122.8E–.60 110–1 2.0 **¶626605366**
TAP XII 13 14 49 54.8 24.78N 122.83E 100–0 3.1L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC XII 18 20 00 27.6–1.3 24.04N–.06 122.82E–.03 20–8 45 0-2
JMA XII 18 20 00 29.8–.17 24N–1.0 122.8E–.50 22–2 1.9 **¶626605604**
TAP XII 18 20 00 29.0 24.03N 122.82E 18–1 2.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC XII 17 15 24 44.0–1.3 21.82N–.07 121.19E–.03 44–9 3.5b 191 0-47
IDC XII 17 15 24 34.4–4.3 21.89N 121.92E 0 3.5b,3.5 **¶621656937**
TAP XII 17 15 24 42.1 21.77N 121.19E 50–0 4.1L,3.5
JMA XII 17 15 24 42.2–.58 22N–2.0 121E–3.0 70 4.4,3.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC XII 17 08 39 00.7–1.2 24.33N–.04 122.97E–.02 45–7 131 0-3
TAP XII 17 08 39 00.3 24.36N 122.92E 45–0 3.5L **¶626605501**
JMA XII 17 08 39 00.6–.10 24N–2.0 123.0E–.50 47–1 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XII 18 20 02 48.7–.73 22.95N–.02 121.44E–.02 23–5 4.0b 308 0-84
IDC XII 18 20 02 45.4–.56 22.81N 121.45E 0 3.9b,3.9 **¶621633600**
JMA XII 18 20 02 49.1–.15 23.0N–.70 121E–2.0 32 4.1,3.9
TAP XII 18 20 02 49.1 22.96N 121.36E 22–0 4.5L,3.9
NEIC XII 18 20 02 49.5–1.4 23.01N–.04 121.39E–.04 21–6 4.0b,3.9
ASIES XII 18 20 02 49.5 22.97N 121.36E 22 4.1W,3.9
NIED XII 18 20 02 49.1 23.01N 121.28E 32 4.2W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=15.9km s-min=12.5km az=82.0.
JMA Event type ke. TAIWAN REGION .
TAP B.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.6km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASIES Moment Tensor Solution. NP1:ϕ_s17.00000°,δ29.00000°,λ78.00000°. NP2:ϕ_s211.00000°,δ62.00000°,λ97.00000°.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.66 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$1.27 $M_{r\theta}$0.97 $M_{\theta\phi}$-0.59 $M_{\phi r}$1.15 NP1:ϕ_s310.00000°,δ38.00000°,λ-159.00000°. NP2:ϕ_s203.00000°,δ77.00000°,λ-54.00000°. M_o1.94000×10^{15}

ISC	**XII**	**20 14 27 19.8–1.1**	**24.03N–.05**	**122.97E–.03**	**32–10**		**66**	**0-2**
JMA	XII	20 14 27 19.9–.12	24N–1.0	122.9E–.50	39–3	2.4		**¶626605650**
TAP	XII	20 14 27 19.6	24.05N	122.99E	33–0	3.1L		
ISC	Event type ke.							
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .							
TAP	D.							
ISC	**XII**	**20 00 09 39.4–.97**	**23.88N–.02**	**122.48E–.02**	**17–6**	**4.1b**	**317**	**0-83**
IDC	XII	20 00 09 37.7–.80	24.06N	122.40E	0	4.1b,4.1		**¶621685576**
TAP	XII	20 00 09 41.5	23.90N	122.46E	15–0	4.4L,4.1		
NIED	XII	20 00 09 41.4	23.95N	122.43E	23	4.0W,4.1		
JMA	XII	20 00 09 41.4–.17	24N–1.0	122.4E–.50	23	3.9,3.8		
ISC	Event type ke.							
TAP	B.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$0.15 $M_{r\theta}$0.91 $M_{\theta\phi}$-0.01 $M_{\phi r}$0.39 NP1:ϕ_s297.00000°,δ16.00000°,λ138.00000°. NP2:ϕ_s68.00000° ,δ80.00000°,λ78.00000°. M_o1.09000×10^{15}							
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .							
ISC	**XII**	**22 19 25 54.1–1.1**	**23.90N–.03**	**122.95E–.02**	**27–12**		**112**	**1-3**
TAP	XII	22 19 25 54.2	23.94N	122.98E	31–0	3.3L		**¶626605732**
JMA	XII	22 19 25 54.7–.21	24N–1.0	122.9E–.60	29–3	2.9		
ISC	Event type ke.							
TAP	D.							
JMA	Event type ke. NEAR ISHIGAKIJIMA ISLAND.							
TAP	**XII**	**21 10 43 48.9**	**22.78N**	**121.30E**	**19–0**	**3.7L**		
								¶626605671
TAP	B.							
ISC	**XII**	**22 23 02 42.6–.95**	**23.99N–.02**	**122.42E–.02**	**25–7**		**139**	**0-3**
TAP	XII	22 23 02 42.9	24.05N	122.42E	25–0	3.2L		**¶626605737**
JMA	XII	22 23 02 42.2–.21	24N–1.0	122.4E–.60	20	2.7		
ISC	Event type ke.							
TAP	C.							
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .							
ISC	**XII**	**23 03 42 20.5–.93**	**24.92N–.02**	**122.28E–.02**	**14–7**		**189**	**0-4**
TAP	XII	23 03 42 20.5	24.95N	122.26E	15–0	3.4L		**¶626605745**
JMA	XII	23 03 42 20.3–.35	24.9N–.90	122.3E–.30	2–4	2.9		
ISC	Event type ke.							
TAP	B.							
JMA	Event type ke. TAIWAN REGION .							
ISC	**XII**	**26 00 21 17.2–.94**	**24.76N–.02**	**122.29E–.02**	**13–7**		**217**	**0-4**
TAP	XII	26 00 21 17.2	24.79N	122.26E	9–0	3.6L		**¶626605830**
JMA	XII	26 00 21 18.3–.08	24.7N–.80	122.3E–.30	11	2.9		
ISC	Event type ke.							
TAP	C.							
JMA	Event type ke. TAIWAN REGION .							
ISC	**XII**	**25 06 08 18.3–.91**	**24.62N–.02**	**122.28E–.02**	**12–7**		**199**	**0-3**
JMA	XII	25 06 08 18.5–.10	25N–1.0	122.2E–.30	33	3.2		**¶626605804**
TAP	XII	25 06 08 18.0	24.62N	122.23E	8–0	3.4L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	D.							
ISC	**XII**	**29 08 37 59.9–1.3**	**24.41N–.03**	**122.50E–.02**	**56–7**		**89**	**0-3**
TAP	XII	29 08 37 59.7	24.44N	122.49E	53–0	2.9L		**¶626605937**
JMA	XII	29 08 38 00.6–.06	25N–2.0	122.6E–.40	52–0	1.7		
ISC	Event type ke.							
TAP	C.							
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .							
ISC	**XII**	**28 08 50 56.7–1.1**	**23.85N–.03**	**122.90E–.02**	**18–3**		**181**	**1-3**
TAP	XII	28 08 50 58.0	23.81N	122.94E	24–0	3.2L		**¶626605910**
JMA	XII	28 08 50 58.7–.19	23.9N–.90	122.9E–.50	28–3	3.1		
ISC	Event type ke.							
TAP	D.							
JMA	Event type ke. NEAR ISHIGAKIJIMA ISLAND.							
ISC	**XII**	**28 00 02 56.8–.70**	**24.62N–.03**	**122.71E–.02**	**109–4**	**3.8b**	**301**	**0-78**
TAP	XII	28 00 02 57.7	24.64N	122.72E	103–0	4.7L		**¶621717349**
JMA	XII	28 00 02 57.8–.15	25N–1.0	122.7E–.50	102–1	4.3		
IDC	XII	28 00 02 59.9–3.3	24.83N	122.93E	140–35	3.9,3.5b		
ISC	Event type ke.							
TAP	C.							
JMA	Event type ke. NW OFF ISHIGAKIJIMA IS .							
IDC	Error ellipse: s-maj=28.0km s-min=14.0km az=67.0.							
ISC	**XII**	**30 06 47 08.8–.48**	**23.93N–.02**	**122.53E–.02**	**24–3**	**5.3b,4.8s**	**1430**	**0-178**
MOS	XII	30 06 47 05.7–1.0	24.03N	122.59E	13	5.6b,4.8s		**¶621657274**
BJI	XII	30 06 47 07.0	23.90N	122.50E	20	5.3b,5.2s		
NEIC	XII	30 06 47 08.9–1.3	23.99N–.02	122.50E–.04	21–4	5.4b,5.3		
GFZ	XII	30 06 47 09.0–.10	24N–2.0	123E–2.0	21	7.0,7.0		
ASIES	XII	30 06 47 09.5	23.93N	122.52E	27	5.0W,7.0		
NIED	XII	30 06 47 09.3	23.91N	122.49E	22	5.2W,7.0		
TAP	XII	30 06 47 09.7	23.98N	122.51E	30–0	5.5L,7.0		
IDC	XII	30 06 47 09.9–1.8	24.11N	122.57E	27–11	5.1,4.9b		
JMA	XII	30 06 47 09.3–.25	24N–1.0	122.5E–.50	22–4	5.5,5.2W		
GCMT	XII	30 06 47 11.2–.40	23.84N–.03	122.50E–.03	32–1	5.2W,5.2W		
ISC	Event type ke.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
ASIES	Moment Tensor Solution. NP1:ϕ_s296.00000°,δ16.00000°,λ133.00000°. NP2:ϕ_s71.00000° ,δ78.00000°,λ79.00000°.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.45 $M_{\theta\theta}$-3.54 $M_{\phi\phi}$2.09 $M_{r\theta}$4.79 $M_{\theta\phi}$0.67 $M_{\phi r}$2.24 NP1:ϕ_s317.00000°,δ26.00000°,λ160.00000°. NP2:ϕ_s65.00000° ,δ81.00000°,λ65.00000°. M_o6.12000×10^{16}							
TAP	C.							
JMA	Event type fe. NW OFF ISHIGAKIJIMA IS .							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112300647A. Moment Tensor Solution. s39,c45; s71,c97; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76±.05 $M_{\theta\theta}$-0.68±.03; $M_{\phi\phi}$-0.08±.03; $M_{r\theta}$0.41±.04; $M_{\theta\phi}$0.05±.02; $M_{\phi r}$0.34±.05; Best double couple: NP1:ϕ_s289.00000°,δ33.00000° ,λ121.00000°. NP2:ϕ_s73.00000°,δ62.00000°,λ72.00000°. Principal axes: T 0.9750,Plg67.0000°,Azm308.0000°; N -0.1860,Plg16.0000°,Azm82.0000° ; P -0.7890,Plg16.0000°,Azm177.0000° M_o0.88200×10^{17}							
ISC	**XII**	**29 05 00 19.5–1.2**	**23.99N–.04**	**122.86E–.02**	**23–13**		**82**	**0-3**
JMA	XII	29 05 00 19.7–.16	24.0N–.70	122.9E–.50	21–2	3.2		**¶626605934**
TAP	XII	29 05 00 19.9	24.07N	122.87E	32–0	3.4L		
ISC	Event type ke.							
JMA	Event type ke. NEAR ISHIGAKIJIMA ISLAND.							
TAP	C.							
TAP	**XII**	**29 18 17 00.7**	**24.67N**	**122.14E**	**16–0**	**2.2L**		
								¶626605946
TAP	C.							
ISC	**XII**	**30 06 45 38.7–.91**	**22.93N–.02**	**121.46E–.02**	**26–5**		**207**	**0-5**
JMA	XII	30 06 45 38.2–.13	23.0N–.40	121E–1.0	22–3	3.5		**¶626605964**
TAP	XII	30 06 45 39.4	22.96N	121.36E	24–0	3.9L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	B.							

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ISC	**VII**	**03 03 48 06.6–1.5**	**24.79N–.04**	**121.95E–.03**	**94–8**		**96**	**0-3**
TAP	VII	03 03 48 06.5	24.76N	121.98E	93–0	3.8L		**¶620969483**
JMA	VII	03 03 48 07.1–.13	25N–2.0	122.0E–1.0	87–1	3.0		
ISC	Event type ke.							
TAP	C.							
JMA	Event type ke. TAIWAN REGION .							
ISC	**VII**	**03 11 50 29.0–.86**	**24.08N–.01**	**121.72E–.02**	**8–6**		**215**	**0-4**
JMA	VII	03 11 50 28.9–.12	24.1N–.30	121.7E–.80	6–1	3.5		**¶620973927**
NIED	VII	03 11 50 28.9	24.06N	121.67E	6	4.0W		
TAP	VII	03 11 50 29.0	24.09N	121.68E	9–0	4.0L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
NIED	Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-0.17 $M_{r\theta}$0.46 $M_{\theta\phi}$-0.39 $M_{\phi r}$0.45 NP1:ϕ_s248.00000°,δ26.00000°,λ106.00000°. NP2:ϕ_s50.00000° ,δ65.00000°,λ82.00000°. M_o1.00000×10^{15}							
TAP	B.							
ISC	**VII**	**05 12 25 35.8–1.5**	**24.77N–.04**	**121.99E–.03**	**86–7**		**139**	**0-2**
JMA	VII	05 12 25 35.6–.41	25N–1.0	122.0E–.90	84–4			**¶626034422**
TAP	VII	05 12 25 36.2	24.75N	121.95E	81–0	2.9L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	C.							
ISC	**VII**	**05 14 42 00.1–.81**	**23.90N–.01**	**121.48E–.01**	**18–2**		**233**	**0-4**
JMA	VII	05 14 41 58.9–.14	23.9N–.60	122E–2.0	18–2	2.9		**¶626034429**
TAP	VII	05 14 41 59.7	23.91N	121.46E	21–0	3.7L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	B.							
ISC	**VII**	**05 15 12 31.8–.56**	**23.88N–.01**	**121.48E–.02**	**23–3**	**4.3b,3.3s**	**364**	**0-83**
NEIC	VII	05 15 12 30.6–1.0	23.84N–.02	121.54E–.03	10–1	4.4b,3.3s		**¶620734181**
ASIES	VII	05 15 12 31.5	23.89N	121.46E	22	4.0W,3.3s		
TAP	VII	05 15 12 31.9	23.88N	121.45E	22–0	4.8L,3.3s		
JMA	VII	05 15 12 32.1–.06	23.9N–.30	121.5E–.90	18–1	4.5,3.3s		
NIED	VII	05 15 12 32.2	23.88N	121.46E	16	4.0W,3.3s		
IDC	VII	05 15 12 33.9–2.7	23.85N	121.67E	45–27	4.0L,4.0		
BJI	VII	05 15 12 33.1	23.98N	121.26E	22	4.5b,4.4L		
ISC	Event type ke.							
NEIC	Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=292.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ASIES	Moment Tensor Solution. NP1:ϕ_s81.00000°,δ35.00000°,λ132.00000°. NP2:ϕ_s213.00000° ,δ65.00000°,λ65.00000°.							
TAP	B.							
JMA	Event type ke. TAIWAN REGION .							
NIED	Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}3.02 $M_{\theta\theta}$-2.61 $M_{\phi\phi}$-0.42 $M_{r\theta}$4.46 $M_{\theta\phi}$-6.77 $M_{\phi r}$-5.46 NP1:ϕ_s87.00000°,δ62.00000°,λ150.00000°. NP2:ϕ_s192.00000° ,δ64.00000°,λ32.00000°. M_o9.85000×10^{14}							
IDC	Error ellipse: s-maj=19.2km s-min=13.8km az=61.0.							
ISC	**VII**	**06 10 26 35.2–.60**	**23.87N–.01**	**121.55E–.01**	**13–3**	**4.6b,3.1s**	**388**	**0-96**
IDC	VII	06 10 26 32.5–.62	23.78N	121.71E	0	4.1b,4.1		**¶620752023**
BJI	VII	06 10 26 34.3	23.90N	121.54E	11	4.6L,4.4b		
NEIC	VII	06 10 26 34.9–1.2	23.84N–.02	121.53E–.05	10–1	4.7b,4.4b		
TAP	VII	06 10 26 35.0	23.88N	121.53E	10–0	4.7L,4.4b		
ASIES	VII	06 10 26 35.5	23.88N	121.53E	10	4.1W,4.4b		
JMA	VII	06 10 26 36.4–.36	24N–2.0	122E–1.0	81	3.8,4.4b		
ISC	Event type ke.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
TAP	B.							
ASIES	Moment Tensor Solution. NP1:ϕ_s214.00000°,δ47.00000°,λ66.00000°. NP2:ϕ_s67.00000° ,δ48.00000°,λ113.00000°.							
JMA	Event type ke. TAIWAN REGION .							
ISC	**VII**	**06 19 21 46.0–.71**	**23.88N–.01**	**121.62E–.02**	**8–4**	**3.7b,3.3s**	**258**	**0-88**
IDC	VII	06 19 21 43.5–.89	23.81N	121.68E	0	3.7b,3.7		**¶620757329**
NIED	VII	06 19 21 44.7	23.89N	121.62E	0	4.4W,3.7		
JMA	VII	06 19 21 44.7–.15	23.9N–.40	122E–1.0	0	3.5,3.7		
TAP	VII	06 19 21 45.5	23.90N	121.57E	7–0	4.3L,3.7		
ASIES	VII	06 19 21 45.5	23.89N	121.59E	7	4.0W,3.7		
BJI	VII	06 19 21 46.0	23.93N	121.63E	6	4.4L,4.2s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=19.1km s-min=18.4km az=93.0.							
NIED	Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.71 $M_{\theta\theta}$0.28 $M_{\phi\phi}$0.43 $M_{r\theta}$4.86 $M_{\theta\phi}$-0.97 $M_{\phi r}$1.21 NP1:ϕ_s158.00000°,δ10.00000°,λ-11.00000°. NP2:ϕ_s259.00000° ,δ88.00000°,λ-100.00000°. M_o5.09000×10^{15}							
JMA	Event type ke. TAIWAN REGION .							
TAP	B.							
ASIES	Moment Tensor Solution. NP1:ϕ_s200.00000°,δ25.00000°,λ50.00000°. NP2:ϕ_s63.00000° ,δ71.00000°,λ107.00000°.							
ISC	**VII**	**07 11 24 58.8–.41**	**23.86N–.01**	**121.65E–.01**	**10–2**	**5.1b,4.8s**	**1055**	**0-168**
IDC	VII	07 11 24 56.3–.44	23.82N	121.67E	0	4.6L,4.6b		**¶620758230**
BJI	VII	07 11 24 57.2	23.87N	121.65E	9	5.6s,5.6		
JMA	VII	07 11 24 57.8–.21	23.9N–.20	121.6E–.70	0–1	5.4,5.1		
NIED	VII	07 11 24 57.8	23.88N	121.62E	0	5.3W,5.1		
MOS	VII	07 11 24 57.5–1.1	23.86N	121.71E	18	5.1b,4.9s		
NEIC	VII	07 11 24 58.3–1.1	23.86N–.08	121.65E–.05	8–4	5.3b,5.1		
GFZ	VII	07 11 24 58.8	23.83N	121.62E	10	5.1W,5.1		
TAP	VII	07 11 24 58.5	23.89N	121.57E	7–0	5.5L,5.1		
GFZ	VII	07 11 24 59.5–.11	24N–2.0	122E–2.0	10	4.9b,4.9		
GCMT	VII	07 11 25 01.0–.10	23.85N–.01	121.57E–.01	13–0	5.1W,4.9		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.16 $M_{\theta\theta}$0.87 $M_{\phi\phi}$0.29 $M_{r\theta}$7.97 $M_{\theta\phi}$-3.39 $M_{\phi r}$2.61 NP1:ϕ_s164.00000°,δ22.00000°,λ-6.00000°. NP2:ϕ_s259.00000° ,δ88.00000°,λ-112.00000°. M_o8.95000×10^{16}							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.15 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$-0.54 $M_{r\theta}$3.37 $M_{\theta\phi}$-3.09 $M_{\phi r}$2.37 NP1: ϕ_s56.98176°,δ71.49545°,λ97.41744°. NP2:ϕ_s214.67871°,δ19.88739°,λ68.90690°. Principal axes: T 4.2113,Plg62.7928°,Azm338.4987°; N 2.0152,Plg7.0320°,Azm234.6157° ; P -6.2265,Plg26.1368°,Azm141.1457° M_o5.50295×10^{16}							
TAP	B.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107071124A. Moment Tensor Solution. s70,c106; s131,c219;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.98±.14 $M_{\theta\theta}$-1.72±.09; $M_{\phi\phi}$-1.27±.11; $M_{r\theta}$4.62±.35; $M_{\theta\phi}$-3.72±.07; $M_{\phi r}$0.62±.23; Best double couple: NP1: ϕ_s193.00000°,δ34.00000°,λ31.00000°. NP2:ϕ_s76.00000°,δ73.00000°,λ120.00000°. Principal axes: T 6.1330,Plg52.0000°,Azm21.0000°; N 0.6770,Plg28.0000°,Azm247.0000° ; P -6.8200,Plg23.0000°,Azm144.0000° M_o6.47700×10^{16}							
ISC	**VII**	**07 11 39 13.4–.69**	**23.88N–.01**	**121.64E–.02**	**13–4**	**3.6b**	**228**	**0-96**
IDC	VII	07 11 39 10.8–.87	23.82N	121.70E	0	3.8L,3.7b		**¶626034565**
TAP	VII	07 11 39 12.9	23.90N	121.59E	10–0	4.3L,3.7b		
JMA	VII	07 11 39 12.8–.12	23.9N–.30	121.6E–.90	4	3.3,3.7b		
ISC	Event type ke.							
TAP	B.							
JMA	Event type ke. TAIWAN REGION .							
TAP	**VII**	**07 12 22 03.9**	**23.92N**	**121.59E**	**6–0**	**2.9L**		
								¶626034628
TAP	B.							
ISC	**VII**	**07 12 26 20.5–.79**	**23.91N–.01**	**121.63E–.02**	**9–4**		**187**	**0-3**
JMA	VII	07 12 26 20.1–.32	23.9N–.30	122E–1.0	3–4			**¶626034641**
TAP	VII	07 12 26 20.2	23.91N	121.58E	7–0	3.4L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	B.							
ISC	**VII**	**07 12 53 04.1–.77**	**23.92N–.01**	**121.60E–.02**	**9–4**		**204**	**0-4**
JMA	VII	07 12 53 03.1–.18	23.9N–.50	122E–2.0	0	2.9		**¶626034648**
TAP	VII	07 12 53 03.7	23.92N	121.58E	6–0	3.5L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	B.							
ISC	**VII**	**07 13 38 28.2–.55**	**23.86N–.01**	**121.61E–.02**	**12–3**	**4.8b,3.6s**	**400**	**0-98**
IDC	VII	07 13 38 26.2–.55	23.83N	121.66E	0	4.1b,4.1		**¶620758693**
ASIES	VII	07 13 38 27.5	23.88N	121.60E	10	4.4W,4.1		
BJI	VII	07 13 38 27.2	23.87N	121.59E	7	4.7s,4.6b		
JMA	VII	07 13 38 27.6–.14	23.9N–.30	122E–1.0	6–2	4.5,4.2		
NIED	VII	07 13 38 27.6	23.87N	121.61E	6	4.6W,4.2		
TAP	VII	07 13 38 27.8	23.89N	121.57E	9–0	4.7L,4.2		
NEIC	VII	07 13 38 28.2–1.4	23.82N–.03	121.59E–.05	10–1	4.8b,4.5		
NEIC	VII	07 13 38 28.2	23.82N	121.59E	10	4.8b,4.5		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=13.3km s-min=11.0km az=96.0.							
ASIES	Moment Tensor Solution. NP1:ϕ_s218.00000°,δ29.00000°,λ66.00000°. NP2:ϕ_s65.00000° ,δ64.00000°,λ103.00000°.							

JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.49 $M_{\theta\theta}$0.75 $M_{\phi\phi}$-0.26 $M_{r\theta}$5.14 $M_{\theta\phi}$-5.26 $M_{\phi r}$2.27 NP1:ϕ_s171.00000°,δ46.00000°,λ-8.00000°. NP2:ϕ_s266.00000° ,δ84.00000°,λ-136.00000°. M_o7.55000×10^{15}
TAP B.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.0km az=298.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.34 $M_{\theta\theta}$-2.64 $M_{\phi\phi}$-0.69 $M_{r\theta}$4.30 $M_{\theta\phi}$-2.43 $M_{\phi r}$2.76 NP1:ϕ_s234.04000°,δ18.36000°,λ87.03000°. NP2:ϕ_s57.17000°,δ71.66000° ,λ90.99000°. Principal axes: T 5.9056,Plg63.0000°,Azm329.0000°; N 0.9447,Plg1.0000° ,Azm237.0000°; P -6.8504,Plg27.0000°,Azm146.0000° M_o6.43000×10^{15}
NEIC Event type se.

ISC	**VII**	**07 21 31 14.5–.83**	**24.09N–.01**	**121.70E–.02**	**8–5**		**217**	**0-4**
TAP	VII	07 21 31 14.3	24.10N	121.69E	9–0	3.8L		**¶626034720**
JMA	VII	07 21 31 14.7–.15	24.1N–.30	121.7E–.80	5–1	3.0		

ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .

ISC	**VII**	**07 22 11 55.9–.36**	**23.86N–.01**	**121.63E–.01**	**12–1**	**5.1b,4.7s**	**1085**	**0-177**
MOS	VII	07 22 11 53.3–1.1	23.81N	121.74E	10	5.2b,5.0s		**¶622449030**
IDC	VII	07 22 11 53.3–.40	23.82N	121.72E	0	4.7b,4.7		
JMA	VII	07 22 11 54.4–.15	23.9N–.40	122E–1.0	0	5.3,5.2		
NIED	VII	07 22 11 54.4	23.89N	121.61E	0	5.3W,5.2		
ASIES	VII	07 22 11 55.5	23.90N	121.58E	10	5.1W,5.2		
TAP	VII	07 22 11 55.6	23.89N	121.57E	8–0	5.5L,5.2		
NEIC	VII	07 22 11 55.3–1.3	23.86N–.03	121.64E–.05	7–3	5.2b,5.2		
NEIC	VII	07 22 11 55.3	23.86N	121.64E	7	5.2b,5.2		
BJI	VII	07 22 11 55.3	23.87N	121.61E	10	5.6s,5.5L		
GFZ	VII	07 22 11 56.3–.19	24N–2.0	122E–3.0	10	5.2b,5.0		
GCMT	VII	07 22 11 57.6–.10	23.82N–.01	121.56E–.01	17–0	5.2W,5.0		
NEIC	VII	07 22 12 02.3	23.66N	121.64E	14	5.1,5.0		

ISC Event type ke.
MOS Error ellipse: s-maj=6.5km s-min=3.9km az=118.7.
IDC Error ellipse: s-maj=10.9km s-min=9.8km az=89.0.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.50 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$0.82 $M_{r\theta}$7.21 $M_{\theta\phi}$-4.27 $M_{\phi r}$2.81 NP1:ϕ_s180.00000°,δ24.00000°,λ12.00000°. NP2:ϕ_s79.00000° ,δ85.00000°,λ114.00000°. M_o8.50000×10^{16}
ASIES Moment Tensor Solution. NP1:ϕ_s283.00000°,δ53.00000°,λ-158.00000°. NP2:ϕ_s180.00000° ,δ73.00000°,λ-39.00000°.
TAP B.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=2.9km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107072211A. Moment Tensor Solution. s78,c128; s132,c247;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.06±.11 $M_{\theta\theta}$-1.84±.08; $M_{\phi\phi}$-0.21±.09; $M_{r\theta}$5.12±.34; $M_{\theta\phi}$-4.11±.07; $M_{\phi r}$0.98±.21; Best double couple: NP1: ϕ_s189.00000°,δ34.00000°,λ20.00000°. NP2:ϕ_s82.00000°,δ79.00000°,λ122.00000°. Principal axes: T 6.0590,Plg46.0000°,Azm25.0000°; N 1.4850,Plg31.0000°,Azm255.0000° ; P -7.5440,Plg27.0000°,Azm147.0000° M_o6.80200×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.28 $M_{\theta\theta}$-1.91 $M_{\phi\phi}$0.63 $M_{r\theta}$4.03 $M_{\theta\phi}$-3.26 $M_{\phi r}$3.56 NP1:ϕ_s271.38000°,δ18.13000° ,λ137.86000°. NP2:ϕ_s42.07000°,δ77.95000°,λ76.36000°. Principal axes: T 4.7253,Plg55.0000°,Azm295.0000°; N 2.6986,Plg13.0000°,Azm45.0000° ; P -7.4239,Plg32.0000°,Azm143.0000° M_o6.51000×10^{16}

ISC	**VII**	**07 23 31 02.9–.69**	**23.88N–.01**	**121.59E–.02**	**12–4**	**3.6b**	**245**	**0-69**
TAP	VII	07 23 31 02.9	23.89N	121.56E	8–0	4.1L		**¶620772583**
ASIES	VII	07 23 31 02.5	23.89N	121.57E	10	3.7W		
JMA	VII	07 23 31 02.1–.15	23.9N–.40	122E–2.0	0	3.7W		
IDC	VII	07 23 31 08.7–5.2	23.66N	122.13E	60–51	3.6,3.5L		

ISC Event type ke.
TAP B.
ASIES Moment Tensor Solution. NP1:ϕ_s304.00000°,δ20.00000°,λ167.00000°. NP2:ϕ_s46.00000° ,δ86.00000°,λ70.00000°.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=43.8km s-min=19.9km az=67.0.

ISC	**VII**	**08 11 09 42.4–1.3**	**24.84N–.03**	**121.99E–.03**	**105–5**		**269**	**0-4**
TAP	VII	08 11 09 43.3	24.82N	121.98E	98–0	3.4L		**¶626034778**
JMA	VII	08 11 09 43.6–.27	24.7N–.90	122.0E–.60	95–2	2.1		

ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .

ISC	**VII**	**10 19 35 42.2–.79**	**24.76N–.02**	**121.96E–.02**	**16–5**		**70**	**0-2**
TAP	VII	10 19 35 42.0	24.76N	121.99E	7–0	2.8L		**¶626034893**
JMA	VII	10 19 35 42.8–.09	24.7N–.50	121.9E–.50	31	2.3		

ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .

TAP	**VII**	**11 00 47 22.7**	**23.78N**	**121.58E**	**6–0**	**1.7L**		**¶626034917**

TAP D.

ISC	**VII**	**11 19 18 27.3–.67**	**23.86N–.01**	**121.63E–.02**	**11–3**	**3.4b,3.3s**	**255**	**0-69**
IDC	VII	11 19 18 25.7–1.1	23.97N	121.31E	0	3.5L,3.4b		**¶620928441**
JMA	VII	11 19 18 27.2–.18	23.8N–.30	122E–1.0	6–3	3.3,3.4b		
TAP	VII	11 19 18 27.4	23.87N	121.58E	7–0	4.0L,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=37.3km s-min=19.8km az=75.0.
JMA Event type ke. TAIWAN REGION .
TAP B.

ISC	**VII**	**12 08 30 04.2–.87**	**24.02N–.02**	**121.64E–.02**	**30–4**		**160**	**0-3**
JMA	VII	12 08 30 03.5–.34	24.0N–.90	122E–3.0	26–2			**¶626034974**
TAP	VII	12 08 30 04.0	24.02N	121.61E	32–0	3.5L		

ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.

ISC	**VII**	**12 23 41 16.4–.81**	**23.93N–.02**	**121.63E–.02**	**9–5**		**142**	**0-3**
JMA	VII	12 23 41 15.5–.17	23.9N–.20	121.6E–1.0	0–1			**¶626034997**
TAP	VII	12 23 41 16.1	23.94N	121.60E	8–0	3.5L		

ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.

ISC	**VII**	**13 22 52 05.9–.39**	**23.92N–.01**	**121.64E–.01**	**15–2**	**5.3b,4.7s**	**861**	**0-177**
IDC	VII	13 22 52 02.3–.39	23.90N	121.67E	0	4.6s,4.5L		**¶620823838**
JMA	VII	13 22 52 04.2–.17	23.9N–.40	122E–1.0	0	5.5,5.2W		
NIED	VII	13 22 52 04.2	23.94N	121.63E	0	5.4W,5.2W		
NEIC	VII	13 22 52 04.7	23.90N	121.66E	4	5.4W,5.2W		
TAP	VII	13 22 52 05.3	23.94N	121.60E	9–0	5.4L,5.2W		
NEIC	VII	13 22 52 05.2–1.6	23.90N–.02	121.62E–.05	10–1	5.4b,5.2		
ASIES	VII	13 22 52 05.5	23.95N	121.60E	6	5.2W,5.2		
NEIC	VII	13 22 52 05.3	23.90N	121.65E	10	5.2W,5.2		
BJI	VII	13 22 52 05.0	23.89N	121.73E	10	5.6s,5.6		
GFZ	VII	13 22 52 06.7–.20	24N–3.0	122E–2.0	10	4.9,4.8b		
GFZ	VII	13 22 52 06.3	23.94N	121.65E	11	5.1W,4.8b		
GCMT	VII	13 22 52 07.0–.10	23.93N–.01	121.62E–.01	12–0	5.2W,4.8b		
NEIC	VII	13 22 52 10.4	23.90N	121.65E	12	5.2,4.8b		

ISC Event type ke.
IDC Error ellipse: s-maj=11.4km s-min=9.4km az=90.0.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.84 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-0.48 $M_{r\theta}$1.01 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.66 NP1:ϕ_s211.00000°,δ18.00000°,λ69.00000°. NP2:ϕ_s54.00000° ,δ73.00000°,λ97.00000°. M_o1.45000×10^{17}
NEIC Event type se.
TAP B.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.3km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}6.01 $M_{\theta\theta}$-2.15 $M_{\phi\phi}$-3.86 $M_{r\theta}$2.30 $M_{\theta\phi}$-2.92 $M_{\phi r}$5.81 NP1:ϕ_s26.07000°,δ68.21000°,λ81.94000°. NP2:ϕ_s226.94000°,δ23.16000° ,λ109.32000°. Principal axes: T 8.7757,Plg66.0000°,Azm282.0000°; N -0.1825,Plg7.0000° ,Azm29.0000°; P -8.5932,Plg23.0000°,Azm122.0000° M_o8.69000×10^{16}
ASIES Moment Tensor Solution. NP1:ϕ_s192.00000°,δ11.00000°,λ60.00000°. NP2:ϕ_s42.00000° ,δ80.00000°,λ96.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}5.17 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$-3.62 $M_{r\theta}$-1.19 $M_{\theta\phi}$-2.66 $M_{\phi r}$2.61 NP1: ϕ_s234.02581°,δ40.84613°,λ123.44356°. NP2:ϕ_s12.90173°,δ56.92465°,λ64.52291°. Principal axes: T 6.3533,Plg67.0436°,Azm231.6557°; N -0.6887,Plg21.1276°,Azm27.4780° ; P -5.6646,Plg8.5694°,Azm120.8161° M_o6.03850×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107132252A. Moment Tensor Solution. s95,c154; s145,c280;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.02 $M_{\theta\theta}$-0.15±.01; $M_{\phi\phi}$-0.58±.01; $M_{r\theta}$0.27±.03; $M_{\theta\phi}$-0.27±.01; $M_{\phi r}$0.32±.03; Best double couple: NP1: ϕ_s199.00000°,δ31.00000°,λ78.00000°. NP2:ϕ_s33.00000°,δ60.00000°,λ97.00000°. Principal axes: T 0.8530,Plg74.0000°,Azm321.0000°; N -0.0310,Plg6.0000°,Azm209.0000° ; P -0.8210,Plg15.0000°,Azm118.0000° M_o0.83700×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}6.29 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$-4.67 $M_{r\theta}$1.38 $M_{\theta\phi}$-2.98 $M_{\phi r}$3.58 NP1:ϕ_s217.05000°,δ29.94000° ,λ99.53000°. NP2:ϕ_s26.09000°,δ60.51000°,λ84.55000°. Principal axes: T 7.3861,Plg74.0000°,Azm282.0000°; N 0.1425,Plg5.0000°,Azm29.0000° ; P -7.5286,Plg15.0000°,Azm120.0000° M_o7.46000×10^{16}

ISC	**VII**	**13 22 59 24.8–.68**	**23.92N–.01**	**121.66E–.02**	**9–4**	**4.9b**	**540**	**0-168**
IDC	VII	13 22 59 22.0–.54	23.93N	121.69E	0	4.3b,4.3		**¶626035056**
BJI	VII	13 22 59 23.1	23.84N	121.76E	6	5.2b,4.9s		
TAP	VII	13 22 59 24.5	23.93N	121.63E	7–0	5.1L,4.9s		
NEIC	VII	13 22 59 24.9–1.4	23.93N–.03	121.63E–.05	10–1	5.0b,4.7		
JMA	VII	13 22 59 24.7–.24	23.9N–.20	121.7E–.60	1–2	4.0,4.7		
ASIES	VII	13 22 59 24.5	23.90N	121.66E	10	4.6W,4.7		
NIED	VII	13 22 59 24.7	23.94N	121.68E	1	4.7W,4.7		
GFZ	VII	13 22 59 25.6–.22	24N–3.0	122E–3.0	10	4.8b,4.8		
NEIC	VII	13 22 59 25.1	23.93N	121.62E	10	4.8b,4.8		

ISC Event type ke.
IDC Error ellipse: s-maj=12.6km s-min=12.0km az=145.0.
TAP B.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.2km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.75 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.61 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.17 $M_{\phi r}$0.91 NP1:ϕ_s18.65000°,δ71.89000°,λ90.54000°. NP2:ϕ_s196.91000°,δ18.12000° ,λ88.35000°. Principal axes: T 1.2413,Plg63.0000°,Azm289.0000°; N -0.0862,Plg1.0000° ,Azm198.0000°; P -1.1550,Plg27.0000°,Azm108.0000° M_o1.20000×10^{16}
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. NP1:ϕ_s187.00000°,δ17.00000°,λ71.00000°. NP2:ϕ_s27.00000° ,δ74.00000°,λ96.00000°.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{16}Nm; M_{rr}0.85 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-0.64 $M_{r\theta}$0.11 $M_{\theta\phi}$-0.28 $M_{\phi r}$0.85 NP1:ϕ_s215.00000°,δ23.00000°,λ111.00000°. NP2:ϕ_s13.00000° ,δ68.00000°,λ81.00000°. M_o1.18000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.

ISC	**VII**	**13 23 14 30.2–.58**	**23.93N–.01**	**121.68E–.02**	**14–3**	**4.2b,3.5s**	**354**	**0-147**
IDC	VII	13 23 14 28.1–.74	23.91N	121.68E	0	4.1L,4.0b		**¶626035113**
NEIC	VII	13 23 14 29.6–1.8	23.89N–.02	121.65E–.02	10–1	4.5b,4.4		
JMA	VII	13 23 14 29.6–.12	23.9N–.20	121.7E–.90	3	4.5,4.1		
BJI	VII	13 23 14 29.1	23.94N	121.75E	5	4.9b,4.5s		
NIED	VII	13 23 14 29.6	23.93N	121.66E	3	4.5W,4.5s		
NEIC	VII	13 23 14 29.7	23.91N	121.65E	10	4.5W,4.5s		
ASIES	VII	13 23 14 30.5	23.97N	121.60E	7	4.2W,4.5s		
TAP	VII	13 23 14 30.0	23.95N	121.61E	8–0	4.6L,4.5s		

ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=14.3km az=173.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.69 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$-2.54 $M_{r\theta}$0.54 $M_{\theta\phi}$-2.26 $M_{\phi r}$2.02 NP1:ϕ_s25.70000°,δ59.09000°,λ77.83000°. NP2:ϕ_s228.48000°,δ33.00000° ,λ109.40000°. Principal axes: T 4.2899,Plg73.0000°,Azm265.0000°; N 0.3776,Plg10.0000° ,Azm32.0000°; P -4.6675,Plg13.0000°,Azm125.0000° M_o4.49000×10^{15}
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.89 $M_{\theta\theta}$-1.83 $M_{\phi\phi}$-3.06 $M_{r\theta}$3.19 $M_{\theta\phi}$-2.50 $M_{\phi r}$3.42 NP1:ϕ_s214.00000°,δ23.00000°,λ84.00000°. NP2:ϕ_s42.00000° ,δ67.00000°,λ93.00000°. M_o6.82000×10^{15}
NEIC Event type se.
ASIES Moment Tensor Solution. NP1:ϕ_s219.00000°,δ35.00000°,λ103.00000°. NP2:ϕ_s23.00000° ,δ56.00000°,λ81.00000°.
TAP B.

ISC	**VII**	**13 23 45 27.6–.46**	**23.92N–.01**	**121.67E–.02**	**13–2**	**4.9b,4.0s**	**560**	**0-151**
BJI	VII	13 23 45 25.5	23.89N	121.79E	6	4.9s,4.9L		**¶626035209**
IDC	VII	13 23 45 25.4–.47	23.97N	121.67E	0	4.4b,4.4		
NIED	VII	13 23 45 26.7	23.91N	121.68E	2	4.8W,4.4		
ASIES	VII	13 23 45 26.5	23.93N	121.66E	5	4.6W,4.4		
JMA	VII	13 23 45 26.7–.21	23.9N–.20	121.7E–.50	2–2	4.9,4.6		
TAP	VII	13 23 45 27.2	23.93N	121.63E	5–0	5.1L,4.6		
GFZ	VII	13 23 45 28.0–.22	24N–3.0	122E–3.0	10	4.7b,4.7		
NEIC	VII	13 23 45 27.2	23.91N	121.65E	10	4.7b,4.7		
NEIC	VII	13 23 45 27.2–1.6	23.91N–.02	121.64E–.03	10–1	5.0b,4.7		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.80 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-0.71 $M_{r\theta}$1.27 $M_{\theta\phi}$-0.02 $M_{\phi r}$1.25 NP1:ϕ_s176.00000°,δ14.00000°,λ46.00000°. NP2:ϕ_s41.00000° ,δ80.00000°,λ100.00000°. M_o1.92000×10^{16}
ASIES Moment Tensor Solution. NP1:ϕ_s153.00000°,δ23.00000°,λ42.00000°. NP2:ϕ_s23.00000° ,δ75.00000°,λ107.00000°.
JMA Event type ke. TAIWAN REGION .
TAP B.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.54 $M_{\theta\theta}$0.37 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.01 $M_{\phi r}$0.95 NP1:ϕ_s152.08000°,δ23.21000°,λ45.99000°. NP2:ϕ_s18.51000°,δ73.54000° ,λ106.59000°. Principal axes: T 1.1140,Plg58.0000°,Azm311.0000°; N 0.2873,Plg16.0000° ,Azm194.0000°; P -1.4013,Plg27.0000°,Azm95.0000° M_o1.28000×10^{16}

ISC	**VII**	**14 00 11 57.5–.73**	**23.94N–.01**	**121.66E–.02**	**9–4**	**3.6b**	**221**	**0-83**
IDC	VII	14 00 11 55.4–.88	23.95N	121.75E	0	3.7,3.6b		**¶626035227**
JMA	VII	14 00 11 57.0–.34	24.0N–.30	122E–1.0	0–2	3.4,3.6b		
ASIES	VII	14 00 11 57.5	23.95N	121.61E	5	3.7W,3.6b		
TAP	VII	14 00 11 57.6	23.95N	121.61E	6–0	4.2L,3.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=16.5km az=164.0.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. NP1:ϕ_s210.00000°,δ21.00000°,λ93.00000°. NP2:ϕ_s27.00000° ,δ69.00000°,λ89.00000°.
TAP B.

ISC	**VII**	**14 00 50 36.0–.78**	**23.96N–.02**	**121.59E–.02**	**11–4**		**106**	**0-3**
JMA	VII	14 00 50 35.7–.22	24.0N–.20	121.6E–.90	2–2			**¶626035250**
TAP	VII	14 00 50 36.0	23.97N	121.58E	9–0	3.2L		

ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.

ISC	**VII**	**14 01 51 01.0–.83**	**23.91N–.01**	**121.48E–.02**	**19–1**		**152**	**0-3**
JMA	VII	14 01 51 00.6–.19	23.9N–.80	122E–1.0	21–1	3.1		**¶626035258**
TAP	VII	14 01 51 00.7	23.91N	121.46E	21–0	3.6L		

ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.

ISC	**VII**	**14 01 56 45.9–.83**	**23.92N–.02**	**121.67E–.03**	**11–5**		**89**	**0-2**
JMA	VII	14 01 56 44.9–.26	23.9N–1.0	122E–1.0	2	2.5		**¶626035262**
TAP	VII	14 01 56 46.0	23.93N	121.65E	6–0	3.4L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	D.							
ISC	**VII**	**14 02 19 19.4–.81**	**23.95N–.01**	**121.63E–.02**	**7–5**		**181**	**0-2**
JMA	VII	14 02 19 18.9–.23	24.0N–.40	122E–2.0	1	2.8		**¶626035274**
TAP	VII	14 02 19 19.0	23.96N	121.61E	7–0	3.6L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	C.							
ISC	**VII**	**14 03 18 47.6–.75**	**23.95N–.01**	**121.63E–.02**	**8–4**	**3.6b**	**228**	**0-69**
TAP	VII	14 03 18 47.5	23.97N	121.60E	7–0	4.0L		**¶620928575**
JMA	VII	14 03 18 47.1–.12	23.9N–.20	121.7E–.60	4–1	3.4		
IDC	VII	14 03 19 00.1–6.0	23.85N	121.44E	118–58	3.7,3.2b		
ISC	Event type ke.							
TAP	B.							
JMA	Event type ke. TAIWAN REGION .							
IDC	Error ellipse: s-maj=37.5km s-min=19.2km az=63.0.							
ISC	**VII**	**14 03 36 33.3–.70**	**23.95N–.01**	**121.64E–.01**	**8–4**	**4.2b,3.9s**	**316**	**0-83**
IDC	VII	14 03 36 31.6–.71	23.87N	121.72E	0	4.0b,4.0		**¶620823855**
NEIC	VII	14 03 36 32.5–1.2	23.93N–.01	121.64E–.02	10–1	4.6b,4.3		
NIED	VII	14 03 36 32.1	23.95N	121.63E	0	4.4W,4.3		
JMA	VII	14 03 36 32.1–.13	24.0N–.30	122E–1.0	0	4.1,4.3		
NEIC	VII	14 03 36 32.7	23.93N	121.62E	10	4.1,4.3		
TAP	VII	14 03 36 33.1	23.96N	121.59E	9–0	4.6L,4.3		
BJI	VII	14 03 36 33.2	23.95N	121.65E	7	4.8b,4.4s		
ASIES	VII	14 03 36 33.5	23.96N	121.60E	9	4.2W,4.4s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=15.3km s-min=14.0km az=121.0.							
NEIC	Event type se. Error ellipse: s-maj=3.1km s-min=2.8km az=261.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.20 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-0.17 $M_{r\theta}$1.84 $M_{\theta\phi}$-0.96 $M_{\phi r}$1.83 NP1:ϕ_s255.17000°,δ15.92000°,λ118.47000°. NP2:ϕ_s45.75000°,δ76.05000°,λ82.26000°. Principal axes: T 2.7774,Plg58.0000°,Azm305.0000°; N 0.3807,Plg8.0000°,Azm48.0000°; P -3.1581,Plg31.0000°,Azm142.0000° M_o2.99000×10^{15}							
NIED	Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}2.80 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$-1.67 $M_{r\theta}$1.32 $M_{\theta\phi}$-1.56 $M_{\phi r}$2.36 NP1:ϕ_s228.00000°,δ24.00000°,λ105.00000°. NP2:ϕ_s32.00000°,δ67.00000°,λ84.00000°. M_o3.96000×10^{15}							
JMA	Event type ke. TAIWAN REGION .							
NEIC	Event type se.							
TAP	B.							
ASIES	Moment Tensor Solution. NP1:ϕ_s233.00000°,δ17.00000°,λ103.00000°. NP2:ϕ_s40.00000°,δ74.00000°,λ86.00000°.							
ISC	**VII**	**14 04 18 37.0–.82**	**23.96N–.01**	**121.63E–.02**	**8–5**		**153**	**0-2**
JMA	VII	14 04 18 36.0–.35	24.0N–.70	122E–3.0	0			**¶626035336**
TAP	VII	14 04 18 36.8	23.96N	121.61E	6–0	3.1L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	C.							
ISC	**VII**	**14 04 28 27.4–.78**	**23.95N–.01**	**121.64E–.02**	**9–4**		**229**	**0-4**
JMA	VII	14 04 28 26.6–.20	24.0N–.40	122E–2.0	0	3.3		**¶626035340**
TAP	VII	14 04 28 27.4	23.96N	121.60E	6–0	3.8L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	B.							
ISC	**VII**	**14 04 30 45.6–.84**	**23.95N–.02**	**121.64E–.03**	**8–5**		**101**	**0-2**
JMA	VII	14 04 30 44.9–.40	24.0N–.60	122E–3.0	0			**¶626035355**
TAP	VII	14 04 30 45.5	23.96N	121.61E	5–0	3.1L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	C.							
ISC	**VII**	**14 04 38 18.5–.80**	**23.97N–.02**	**121.67E–.02**	**10–5**		**137**	**0-2**
JMA	VII	14 04 38 17.9–.13	24.0N–.30	122E–1.0	0	3.0		**¶626035359**
TAP	VII	14 04 38 18.7	23.98N	121.58E	8–0	3.8L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	B.							
ISC	**VII**	**14 12 55 33.9–.74**	**23.97N–.01**	**121.63E–.02**	**7–4**	**3.6b,3.4s**	**258**	**0-83**
NIED	VII	14 12 55 32.7	23.98N	121.64E	0	4.2W,3.4s		**¶620828947**
JMA	VII	14 12 55 32.7–.13	24.0N–.30	122E–1.0	0	3.7,3.4s		
BJI	VII	14 12 55 33.3	23.96N	121.66E	7	4.3L,4.2s		
IDC	VII	14 12 55 33.4–1.9	24.17N	121.67E	0	3.6L,3.6b		
ASIES	VII	14 12 55 33.5	23.97N	121.62E	9	4.0W,3.6b		
TAP	VII	14 12 55 33.2	23.97N	121.59E	9–0	4.3L,3.6b		
ISC	Event type ke.							
NIED	Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.95 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-0.62 $M_{r\theta}$1.73 $M_{\theta\phi}$-0.51 $M_{\phi r}$1.44 NP1:ϕ_s205.00000°,δ13.00000°,λ67.00000°. NP2:ϕ_s49.00000°,δ79.00000°,λ95.00000°. M_o2.46000×10^{15}							
JMA	Event type ke. TAIWAN REGION .							
IDC	Error ellipse: s-maj=43.0km s-min=18.5km az=166.0.							
ASIES	Moment Tensor Solution. NP1:ϕ_s250.00000°,δ10.00000°,λ130.00000°. NP2:ϕ_s30.00000°,δ82.00000°,λ83.00000°.							
TAP	B.							
ISC	**VII**	**14 15 19 33.0–.77**	**23.92N–.01**	**121.61E–.02**	**10–4**		**212**	**0-4**
TAP	VII	14 15 19 32.7	23.93N	121.58E	8–0	3.6L		**¶626035499**
JMA	VII	14 15 19 32.5–.12	23.9N–.20	122E–1.0	4	2.7		
ISC	Event type ke.							
TAP	B.							
JMA	Event type ke. TAIWAN REGION .							
ISC	**VII**	**14 17 00 44.4–.65**	**23.91N–.01**	**121.61E–.01**	**10–4**	**4.4b,3.5s**	**465**	**0-101**
IDC	VII	14 17 00 42.4–.56	23.89N	121.68E	0	4.1b,4.1		**¶620828953**
JMA	VII	14 17 00 43.4–.18	23.9N–.50	122E–1.0	5	4.3,4.3		
NIED	VII	14 17 00 43.4	23.88N	121.59E	5	4.5W,4.3		
BJI	VII	14 17 00 43.1	23.91N	121.61E	7	4.9L,4.8b		
NEIC	VII	14 17 00 43.6–1.5	23.86N–.03	121.63E–.04	6–4	4.6b,4.3		
NEIC	VII	14 17 00 43.6	23.86N	121.63E	6	4.6b,4.3		
GFZ	VII	14 17 00 44.3–.26	24N–3.0	122E–3.0	10	4.4b,4.4		
TAP	VII	14 17 00 44.1	23.93N	121.59E	8–0	4.8L,4.4		
ASIES	VII	14 17 00 44.5	23.92N	121.60E	6	4.3W,4.4		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=13.0km s-min=12.6km az=135.0.							
JMA	Event type ke. TAIWAN REGION .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.64 $M_{\theta\theta}$-1.89 $M_{\phi\phi}$-2.75 $M_{r\theta}$3.96 $M_{\theta\phi}$-1.94 $M_{\phi r}$3.55 NP1:ϕ_s213.00000°,δ20.00000°,λ78.00000°. NP2:ϕ_s46.00000°,δ70.00000°,λ94.00000°. M_o6.95000×10^{15}							
NEIC	Event type se. Error ellipse: s-maj=6.1km s-min=3.3km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.94 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-1.21 $M_{r\theta}$1.71 $M_{\theta\phi}$-1.53 $M_{\phi r}$2.44 NP1:ϕ_s228.50000°,δ18.75000°,λ102.35000°. NP2:ϕ_s35.48000°,δ71.70000°,λ85.85000°. Principal axes: T 3.4441,Plg63.0000°,Azm299.0000°; N 0.5619,Plg4.0000°,Azm37.0000°; P -4.0061,Plg27.0000°,Azm129.0000° M_o3.76000×10^{15}							
NEIC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
TAP	B.							
ASIES	Moment Tensor Solution. NP1:ϕ_s212.00000°,δ14.00000°,λ82.00000°. NP2:ϕ_s40.00000°,δ76.00000°,λ92.00000°.							
ISC	**VII**	**14 17 16 19.5–.85**	**23.82N–.01**	**121.47E–.01**	**19–2**		**271**	**0-4**
JMA	VII	14 17 16 18.9–.11	23.8N–.80	121E–2.0	13–3	3.2		**¶626035526**
TAP	VII	14 17 16 19.6	23.83N	121.44E	18–0	3.9L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	B.							
ISC	**VII**	**15 12 40 27.6–.79**	**23.97N–.01**	**121.63E–.02**	**9–4**		**194**	**0-3**
JMA	VII	15 12 40 26.8–.17	24.0N–.30	122E–1.0	0	2.9		**¶626035648**
TAP	VII	15 12 40 27.3	23.98N	121.60E	8–0	3.6L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	B.							
ISC	**VII**	**15 23 05 03.7–.45**	**23.95N–.01**	**121.65E–.02**	**10–2**	**4.7b,3.4s**	**529**	**0-99**
IDC	VII	15 23 05 02.2–.58	23.99N	121.72E	0	4.3L,4.2		**¶620831312**
BJI	VII	15 23 05 02.7	23.95N	121.65E	5	4.8L,4.6b		
GFZ	VII	15 23 05 03.2–.16	24N–2.0	122E–2.0	10	5.0,4.6b		
NEIC	VII	15 23 05 03.6	23.90N	121.67E	8	5.0,4.6b		
JMA	VII	15 23 05 03.7–.26	24.0N–.20	121.6E–.80	2–2	4.3,4.6b		
NIED	VII	15 23 05 03.7	23.96N	121.64E	2	4.5W,4.6b		
NEIC	VII	15 23 05 03.4–1.6	23.90N–.02	121.67E–.05	7–2	4.8b,4.2		
TAP	VII	15 23 05 04.4	23.98N	121.59E	7–0	4.8L,4.2		
ASIES	VII	15 23 05 04.5	23.97N	121.60E	7	4.2W,4.2		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=13.3km s-min=12.4km az=160.0.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se.							
JMA	Event type ke. TAIWAN REGION .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.72 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$-2.31 $M_{r\theta}$3.46 $M_{\theta\phi}$-1.67 $M_{\phi r}$2.82 NP1:ϕ_s209.00000°,δ20.00000°,λ72.00000°. NP2:ϕ_s48.00000°,δ71.00000°,λ96.00000°. M_o5.76000×10^{15}							
NEIC	Event type se. Error ellipse: s-maj=6.7km s-min=2.5km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.36 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-2.01 $M_{r\theta}$0.59 $M_{\theta\phi}$-1.29 $M_{\phi r}$0.99 NP1:ϕ_s29.73000°,δ57.25000°,λ91.28000°. NP2:ϕ_s207.37000°,δ32.78000°,λ88.01000°. Principal axes: T 2.6137,Plg78.0000°,Azm304.0000°; N 0.3456,Plg1.0000°,Azm209.0000°; P -2.9592,Plg12.0000°,Azm119.0000° M_o2.80000×10^{15}							
TAP	B.							
ASIES	Moment Tensor Solution. NP1:ϕ_s189.00000°,δ18.00000°,λ44.00000°. NP2:ϕ_s56.00000°,δ78.00000°,λ103.00000°.							
TAP	**VII**	**15 23 06 33.6**	**23.98N**	**121.58E**	**10–0**	**2.9L**		**¶626035704**
TAP	A.							
ISC	**VII**	**15 23 29 26.5–.64**	**23.94N–.01**	**121.69E–.02**	**11–4**	**4.9b,3.9s**	**522**	**0-98**
BJI	VII	15 23 29 24.6	23.94N	121.69E	4	4.9L,4.9b		**¶620831313**
IDC	VII	15 23 29 24.9–.55	23.99N	121.74E	0	4.2b,4.2		
NIED	VII	15 23 29 25.7	23.95N	121.64E	0	4.7W,4.2		
JMA	VII	15 23 29 25.7–.14	24.0N–.30	122E–1.0	0	4.7,4.6W		
NEIC	VII	15 23 29 26.3	23.94N	121.69E	10	4.7,4.6W		
ASIES	VII	15 23 29 26.5	23.97N	121.61E	5	4.5W,4.6W		
NEIC	VII	15 23 29 26.4–1.4	23.93N–.05	121.68E–.04	10–1	5.0b,4.6		
TAP	VII	15 23 29 26.7	23.97N	121.60E	7–0	4.9L,4.6		
GFZ	VII	15 23 29 27.0–.27	24N–3.0	122E–4.0	10	4.5b,4.5		
ISC	Event type ke.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.18 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$-0.77 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.51 $M_{\phi r}$0.73 NP1:ϕ_s215.00000°,δ26.00000°,λ90.00000°. NP2:ϕ_s35.00000°,δ64.00000°,λ90.00000°. M_o1.46000×10^{16}							
JMA	Event type ke. TAIWAN REGION .							
NEIC	Event type se.							
ASIES	Moment Tensor Solution. NP1:ϕ_s198.00000°,δ32.00000°,λ82.00000°. NP2:ϕ_s27.00000°,δ59.00000°,λ95.00000°.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}8.96 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$-7.91 $M_{r\theta}$-0.36 $M_{\theta\phi}$-3.45 $M_{\phi r}$3.27 NP1:ϕ_s13.00000°,δ54.50000°,λ78.55000°. NP2:ϕ_s212.22000°,δ37.06000°,λ105.55000°. Principal axes: T 9.6669,Plg77.0000°,Azm244.0000°; N 0.1283,Plg9.0000°,Azm20.0000°; P -9.7952,Plg9.0000°,Azm111.0000° M_o9.73000×10^{15}							
TAP	B.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**VII**	**15 23 31 46.1–.71**	**23.96N–.01**	**121.62E–.02**	**12–4**	**3.8s,3.6b**	**207**	**0-83**
IDC	VII	15 23 31 44.7–1.2	23.95N	121.63E	0	3.8,3.8s		**¶626035764**
TAP	VII	15 23 31 46.3	23.97N	121.60E	9–0	4.4L,3.8s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=29.0km s-min=21.4km az=79.0.							
TAP	B.							
ISC	**VII**	**15 23 33 29.3–.72**	**23.96N–.01**	**121.66E–.02**	**10–4**	**3.8b**	**209**	**0-83**
IDC	VII	15 23 33 27.1–.75	23.89N	121.74E	0	3.9L,3.9		**¶626035768**
ASIES	VII	15 23 33 29.5	23.97N	121.60E	7	3.9W,3.9		
TAP	VII	15 23 33 29.5	23.98N	121.60E	9–0	4.5L,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=16.6km s-min=16.1km az=9.0.							
ASIES	Moment Tensor Solution. NP1:ϕ_s201.00000°,δ28.00000°,λ74.00000°. NP2:ϕ_s39.00000°,δ63.00000°,λ99.00000°.							
TAP	B.							
ISC	**VII**	**15 23 49 30.2–.77**	**23.97N–.01**	**121.61E–.02**	**10–4**		**135**	**0-3**
JMA	VII	15 23 49 29.2–.14	24.0N–.30	122E–1.0	0	3.1		**¶626035795**
TAP	VII	15 23 49 30.1	23.98N	121.58E	8–0	3.8L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	B.							
TAP	**VII**	**16 01 59 55.5**	**24.44N**	**120.95E**	**3–0**	**3.0L**		**¶626035819**
TAP	C.							
TAP	**VII**	**16 02 00 03.0**	**23.99N**	**121.58E**	**10–0**	**2.3L**		**¶626035822**
TAP	B.							
ISC	**VII**	**16 14 14 01.3–.66**	**23.98N–.01**	**121.62E–.02**	**10–4**	**3.9b,2.8s**	**212**	**0-83**
IDC	VII	16 14 13 59.7–.71	23.97N	121.73E	0	3.8,3.7L		**¶620832588**
NEIC	VII	16 14 14 00.7–.91	23.94N–.02	121.66E–.03	8–4	4.3b,3.7L		
TAP	VII	16 14 14 01.1	24.00N	121.59E	7–0	4.1L,3.7L		
JMA	VII	16 14 14 01.2–.11	24.0N–.30	121.6E–.90	4	3.5,3.7L		
NIED	VII	16 14 14 01.2	23.97N	121.62E	4	3.9W,3.7L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=16.2km s-min=15.1km az=162.0.							
NEIC	Event type se. Error ellipse: s-maj=4.7km s-min=2.6km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
TAP	A.							
JMA	Event type ke. TAIWAN REGION .							
NIED	Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}7.17 $M_{\theta\theta}$-1.67 $M_{\phi\phi}$-5.49 $M_{r\theta}$-0.09 $M_{\theta\phi}$-2.89 $M_{\phi r}$5.25 NP1:ϕ_s222.00000°,δ30.00000°,λ116.00000°. NP2:ϕ_s12.00000°,δ63.00000°,λ76.00000°. M_o8.82000×10^{14}							
ISC	**VII**	**16 19 22 24.7–.78**	**23.92N–.01**	**121.63E–.02**	**9–4**		**223**	**0-3**
JMA	VII	16 19 22 24.0–.12	23.9N–.20	121.6E–1.0	0	2.9		**¶626035881**
TAP	VII	16 19 22 24.5	23.93N	121.59E	7–0	3.6L		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	B.							
ISC	**VII**	**16 19 59 47.9–.74**	**23.97N–.01**	**121.62E–.02**	**9–4**	**3.6b**	**241**	**0-74**
JMA	VII	16 19 59 46.9–.16	24.0N–.30	122E–1.0	0	3.3		**¶626035882**
TAP	VII	16 19 59 47.7	24.00N	121.58E	10–0	4.0L		
IDC	VII	16 20 00 13.2–9.3	23.95N	124.18E	214–108	3.7,3.0b		
ISC	Event type ke.							
JMA	Event type ke. TAIWAN REGION .							
TAP	A.							
IDC	Error ellipse: s-maj=115.4km s-min=25.2km az=68.0.							
ISC	**VII**	**17 15 37 03.8–.82**	**24.04N–.01**	**121.67E–.02**	**8–5**		**175**	**0-2**
TAP	VII	17 15 37 03.7	24.05N	121.66E	7–0	3.6L		**¶626035951**
JMA	VII	17 15 37 03.4–.22	24.0N–.20	121.7E–.60	0–1	2.8		
ISC	Event type ke.							
TAP	B.							
JMA	Event type ke. TAIWAN REGION .							
TAP	**VII**	**17 23 31 32.7**	**24.21N**	**121.73E**	**10–0**	**2.3L**		**¶626035978**
TAP	C.							
ISC	**VII**	**18 00 11 32.9–.85**	**23.74N–.01**	**121.52E–.02**	**25–3**		**260**	**0-3**
JMA	VII	18 00 11 31.9–.11	23.7N–.60	121E–2.0	24–2	3.4		**¶626035980**
TAP	VII	18 00 11 33.0	23.76N	121.44E	23–0	3.9L		
ISC	Event type ke.							

JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VII 18 11 25 42.8–.71 24.01N–.01 121.66E–.02 9–4 4.0b,3.4s 331 0-87
IDC VII 18 11 25 41.4–.76 23.95N 121.64E 0 3.8,3.7b **¶620833372**
JMA VII 18 11 25 42.4–.30 24.0N–.30 122E–1.0 2–3 3.6,3.7b
TAP VII 18 11 25 42.8 24.03N 121.62E 8–0 4.5L,3.7b
NEIC VII 18 11 25 42.2–1.4 23.99N–.02 121.67E–.04 7–1 4.2b,3.7b
BJI VII 18 11 25 42.3 24.01N 121.74E 4 4.5b,4.3b
NIED VII 18 11 25 42.4 24.00N 121.64E 2 4.3W,4.3b
ASIES VII 18 11 25 42.5 24.02N 121.65E 5 4.0W,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=16.0km az=93.0.
JMA Event type ke. TAIWAN REGION .
TAP B.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=1.8km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}2.17 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$-0.98 $M_{r\theta}$0.81 $M_{\theta\phi}$-1.19 $M_{\phi r}$1.35 NP1:ϕ_s237.00000°,δ29.00000°,λ107.00000°. NP2:ϕ_s38.00000° ,δ63.00000°,λ81.00000°. M_o2.72000×10^{15}
ASIES Moment Tensor Solution. NP1:ϕ_s228.00000°,δ24.00000°,λ90.00000°. NP2:ϕ_s48.00000° ,δ66.00000°,λ90.00000°.
ISC VII 18 18 40 47.5–.71 23.93N–.01 121.60E–.02 9–4 3.3b 236 0-49
IDC VII 18 18 40 45.9–1.2 23.66N 121.27E 0 3.4b,3.4 **¶620928840**
TAP VII 18 18 40 47.0 23.94N 121.58E 8–0 4.0L,3.4
JMA VII 18 18 40 47.1–.18 23.9N–.50 121.6E–.90 4 3.2,3.4
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP VII 19 23 05 08.9 24.21N 121.70E 11–0 2.0L
¶626036155
TAP D.
TAP VII 20 08 37 58.3 23.85N 121.58E 10–0 1.8L
¶626036205
TAP C.
ISC VII 22 02 12 25.0–.79 23.91N–.01 121.57E–.02 8–5 135 0-2
TAP VII 22 02 12 24.5 23.90N 121.58E 7–0 3.6L **¶626036352**
ISC Event type se.
TAP B.
TAP VII 14 10 34 41.9 23.88N 121.93E 43–0 2.8L
JMA VII 14 10 34 41.2–.15 23.8N–.50 122.0E–.80 27–3 2.8L **¶626035445**
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP VII 24 00 13 11.3 22.07N 120.99E 16–0 4.1L
¶626036428
TAP C.
ISC VII 22 05 14 43.0–1.2 23.90N–.02 121.83E–.02 47–6 135 0-2
JMA VII 22 05 14 41.6–.09 23.9N–.40 121.8E–.50 50–1 3.4 **¶626036362**
TAP VII 22 05 14 42.6 23.94N 121.78E 52–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VII 24 04 31 34.8–1.2 24.30N–.02 121.79E–.02 48–4 214 0-4
JMA VII 24 04 31 33.2–.13 24.2N–.50 121.8E–.70 57–1 3.3 **¶626036434**
TAP VII 24 04 31 34.2 24.29N 121.76E 50–0 4.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VII 26 11 39 58.8–.91 23.99N–.02 121.62E–.04 15–5 47 0-3
JMA VII 26 11 39 57.9–.67 24N–2.0 122E–4.0 0 **¶620846775**
TAP VII 26 11 39 59.4 24.00N 121.61E 9–0 4.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VII 29 10 41 37.5–.69 24.03N–.01 121.56E–.01 18–2 3.7b 251 0-83
IDC VII 29 10 41 34.1–.98 23.85N 121.59E 0 3.7b,3.7 **¶620984099**
JMA VII 29 10 41 36.7–.06 24.0N–.20 121.5E–.70 15–0 3.3,3.7
TAP VII 29 10 41 37.9 24.04N 121.52E 18–0 4.1L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=19.1km az=80.0.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VII 26 11 40 11.3–.66 24.01N–.01 121.65E–.02 11–4 4.5b,3.2s 301 0-83
IDC VII 26 11 40 09.1–.60 24.03N 121.73E 0 4.0L,3.9b **¶626036504**
NIED VII 26 11 40 11.6 24.02N 121.67E 4 4.3W,3.9b
TAP VII 26 11 40 11.2 24.01N 121.62E 9–0 4.6L,3.9b
NEIC VII 26 11 40 11.4–.92 24.00N–.02 121.64E–.03 10–1 4.6b,3.9b
JMA VII 26 11 40 11.6–.30 24N–1.0 122E–2.0 4–3 3.9,3.9b
ASIES VII 26 11 40 11.5 24.02N 121.60E 5 4.1W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=17.4km s-min=13.6km az=75.0.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.66 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$1.26 $M_{r\theta}$3.01 $M_{\theta\phi}$0.42 $M_{\phi r}$-0.10 NP1:ϕ_s0.00000°,δ11.00000°,λ-175.00000°. NP2:ϕ_s265.00000° ,δ89.00000°,λ-79.00000°. M_o3.05000×10^{15}
TAP B.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=250.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. NP1:ϕ_s227.00000°,δ19.00000°,λ93.00000°. NP2:ϕ_s44.00000° ,δ71.00000°,λ89.00000°.
ISC VII 27 20 06 28.3–1.2 25.03N–.03 121.69E–.02 136–5 332 0-6
TAP VII 27 20 06 29.4 25.01N 121.69E 131–0 4.2L **¶626036585**
JMA VII 27 20 06 29.7–.21 25.0N–.80 121.7E–.60 124–1 3.5
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC VII 29 15 21 17.8–.63 23.90N–.01 121.48E–.02 21–0 3.4b 265 0-49
IDC VII 29 15 21 14.4–1.1 23.69N 121.43E 0 3.5,3.4L **¶620878558**
ASIES VII 29 15 21 17.5 23.90N 121.46E 20 3.6W,3.4L
JMA VII 29 15 21 17.6–.04 23.9N–.20 121.5E–.60 16–0 3.4,3.4L
TAP VII 29 15 21 17.8 23.92N 121.45E 19–0 4.2L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=19.1km az=74.0.
ASIES Moment Tensor Solution. NP1:ϕ_s69.00000°,δ15.00000°,λ148.00000°. NP2:ϕ_s190.00000° ,δ82.00000°,λ77.00000°.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VII 29 22 55 17.5–.69 23.82N–.01 121.63E–.02 9–4 4.6b,4.0s 342 0-94
IDC VII 29 22 55 15.3–.61 23.77N 121.67E 0 4.1b,4.1 **¶620883000**
NEIC VII 29 22 55 16.8–1.5 23.79N–.02 121.65E–.04 5–4 4.7b,4.1
BJI VII 29 22 55 16.4 23.86N 121.66E 7 4.6L,4.4s
NIED VII 29 22 55 17.1 23.83N 121.64E 4 4.2W,4.4s
JMA VII 29 22 55 17.1–.13 23.8N–.30 122E–1.0 4 3.9,4.4s
TAP VII 29 22 55 17.3 23.84N 121.59E 5–0 4.7L,4.4s
ASIES VII 29 22 55 17.5 23.84N 121.59E 5 4.0W,4.4s
ISC Event type ke.
IDC Error ellipse: s-maj=13.9km s-min=12.2km az=140.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.0km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}1.53 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-1.64 $M_{r\theta}$-0.10 $M_{\theta\phi}$-0.24 $M_{\phi r}$1.36 NP1:ϕ_s197.00000°,δ26.00000°,λ106.00000°. NP2:ϕ_s360.00000° ,δ65.00000°,λ83.00000°. M_o2.10000×10^{15}
JMA Event type ke. TAIWAN REGION .
TAP C.
ASIES Moment Tensor Solution. NP1:ϕ_s183.00000°,δ35.00000°,λ64.00000°. NP2:ϕ_s34.00000° ,δ59.00000°,λ107.00000°.
ISC VII 29 17 19 16.5–.91 23.98N–.01 121.74E–.02 33–2 303 0-4
JMA VII 29 17 19 15.7–.13 23.9N–.60 122E–1.0 34–1 2.8 **¶626036786**
TAP VII 29 17 19 16.5 23.98N 121.75E 33–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP A.
ISC VII 30 20 26 31.4–.79 22.74N–.02 120.99E–.02 17–5 145 0-4
JMA VII 30 20 26 29.6–.18 22.7N–.60 121.2E–.30 0 3.3 **¶626036836**
TAP VII 30 20 26 30.5 22.79N 120.89E 3–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 03 00 05 30.8–.63 24.89N–.03 121.90E–.02 114–4 3.6b 275 0-82
IDC VIII 03 00 05 28.3–3.4 24.81N 121.76E 94–34 3.9s,3.7 **¶620995825**
TAP VIII 03 00 05 31.6 24.86N 121.91E 107–0 4.5L,3.7
NEIC VIII 03 00 05 31.4–2.0 24.94N–.07 121.94E–.05 106–5 4.2b,3.7
JMA VIII 03 00 05 31.7–.25 24.8N–.90 121.9E–.60 105–2 3.5,3.7
ISC Event type ke.
TAP B.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. TAIWAN REGION .
ISC VIII 05 13 08 45.1–.90 23.78N–.02 121.66E–.02 34–1 242 0-4
JMA VIII 05 13 08 44.1–.07 23.8N–.30 121.6E–.70 40–1 3.0 **¶626037434**
TAP VIII 05 13 08 44.8 23.78N 121.62E 38–0 3.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 06 11 12 31.6–.49 23.12N–.01 121.38E–.01 13–2 5.2b,5.0s 1048 0-173
MOS VIII 06 11 12 28.9–1.3 23.01N 121.49E 10 5.5b,5.0s **¶620970791**
NEIC VIII 06 11 12 30.0–1.3 23.11N–.05 121.36E–.04 7–3 5.2b,5.0s
IDC VIII 06 11 12 29.2–.45 23.10N 121.54E 0 5.0,4.9b
JMA VIII 06 11 12 29.9–.16 23.2N–.30 121E–1.0 8–2 5.3W,5.2
NEIC VIII 06 11 12 29.9 23.11N 121.36E 7 5.3W,5.2
BJI VIII 06 11 12 29.4 23.15N 121.35E 10 5.5s,5.4b
ASIES VIII 06 11 12 30.5 23.15N 121.29E 6 5.2W,5.4b
TAP VIII 06 11 12 30.5 23.16N 121.29E 7–0 5.4L,5.4b
GCMT VIII 06 11 12 31.8–.10 23.15N–.01 121.30E–.01 14–0 5.3W,5.4b
GFZ VIII 06 11 12 31.6–.19 23N–2.0 121E–2.0 5 5.2b,5.0
NEIC VIII 06 11 12 34.9 23.11N 121.36E 12 5.2,5.0
BGR VIII 06 11 12 36.9 23.52N 121.23E 33 5.2s,5.1b
ISC Event type ke.
MOS Error ellipse: s-maj=6.5km s-min=4.4km az=99.9.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.4km s-min=10.7km az=150.0.
JMA Event type ke. TAIWAN REGION .
NEIC Event type se.
ASIES Moment Tensor Solution. NP1:ϕ_s253.00000°,δ37.00000°,λ135.00000°. NP2:ϕ_s22.00000° ,δ65.00000°,λ63.00000°.
TAP B.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108061112A. Moment Tensor Solution. s93,c148; s138,c244;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94±.02 $M_{\theta\theta}$-0.31±.01; $M_{\phi\phi}$-0.62±.02; $M_{r\theta}$0.10±.03; $M_{\theta\phi}$-0.48±.01; $M_{\phi r}$0.41±.03; Best double couple: NP1: ϕ_s225.00000°,δ35.00000°,λ105.00000°. NP2:ϕ_s27.00000°,δ57.00000°,λ80.00000°. Principal axes: T 1.0380,Plg76.0000°,Azm266.0000°; N 0.0120,Plg9.0000°,Azm33.0000° ; P -1.0480,Plg11.0000°,Azm124.0000° M_o1.04300×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$1 Moment tensor: Scale 10^{16}Nm; M_{rr}6.64 $M_{\theta\theta}$-2.55 $M_{\phi\phi}$-4.08 $M_{r\theta}$2.87 $M_{\theta\phi}$-4.45 $M_{\phi r}$3.50 NP1:ϕ_s220.74000°,δ28.98000° ,λ90.99000°. NP2:ϕ_s39.62000°,δ61.02000°,λ89.45000°. Principal axes: T 7.9397,Plg74.0000°,Azm308.0000°; N 1.1925,Plg0.0000°,Azm40.0000° ; P -9.1322,Plg16.0000°,Azm130.0000° M_o8.60000×10^{16}
BGR Event type ke.
ISC VIII 07 20 24 32.3–.70 23.23N–.01 120.71E–.01 14–4 3.6b 305 0-79
IDC VIII 07 20 24 29.3–.87 23.02N 120.65E 0 3.6,3.5b **¶621000737**
TAP VIII 07 20 24 31.8 23.22N 120.72E 12–0 4.3L,3.5b
JMA VIII 07 20 24 31.5–.14 23.3N–.20 120.7E–.50 0 4.1,3.5b
ASIES VIII 07 20 24 32.5 23.23N 120.72E 10 3.8W,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=18.2km az=71.0.
TAP B.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. NP1:ϕ_s209.00000°,δ39.00000°,λ97.00000°. NP2:ϕ_s20.00000° ,δ52.00000°,λ84.00000°.
ISC VIII 06 17 09 01.1–.78 23.17N–.02 121.37E–.02 13–4 147 0-3
JMA VIII 06 17 08 59.5–.18 23.2N–.20 121.5E–.80 0 **¶626042371**
TAP VIII 06 17 09 00.7 23.18N 121.30E 6–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP VIII 06 16 01 12.1 23.16N 121.29E 7–0 3.6L
JMA VIII 06 16 01 10.8–.20 23.2N–.20 121E–1.0 0 3.6L **¶626042367**
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP VIII 06 11 20 59.6 23.16N 121.29E 5–0 4.1L
¶626042313
TAP B.
TAP VIII 06 11 28 58.5 23.14N 121.29E 8–0 3.9L
¶626042345
TAP B.
ISC VIII 06 11 37 30.9–.69 23.13N–.01 121.37E–.02 17–3 3.4b 235 0-43
IDC VIII 06 11 37 27.9–3.1 22.96N 121.36E 0 3.9s,3.7 **¶620998895**
JMA VIII 06 11 37 29.4–.23 23.1N–.30 121E–1.0 0 3.7,3.7
ASIES VIII 06 11 37 30.5 23.14N 121.28E 6 3.8W,3.7
TAP VIII 06 11 37 30.6 23.14N 121.29E 8–0 4.3L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=61.3km s-min=17.8km az=163.0.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. NP1:ϕ_s212.00000°,δ14.00000°,λ90.00000°. NP2:ϕ_s32.00000° ,δ76.00000°,λ90.00000°.
TAP B.
ISC VIII 06 11 39 13.0–.61 23.13N–.01 121.38E–.02 13–3 4.3b,3.7s 358 0-84
IDC VIII 06 11 39 11.7–.60 23.02N 121.47E 0 4.0b,4.0 **¶626042350**
NEIC VIII 06 11 39 12.2–1.7 23.15N–.03 121.37E–.04 17–3 4.6b,4.0
ASIES VIII 06 11 39 13.5 23.15N 121.29E 5 4.5W,4.0
JMA VIII 06 11 39 13.2–.15 23.2N–.30 121E–1.0 0 4.1,4.0
NIED VIII 06 11 39 13.2 23.15N 121.35E 0 4.5W,4.0
BJI VIII 06 11 39 13.3 23.11N 121.39E 6 4.4b,4.3L
TAP VIII 06 11 39 13.4 23.16N 121.29E 6–0 4.7L,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=14.1km s-min=13.3km az=146.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.9km az=57.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASIES Moment Tensor Solution. NP1:ϕ_s228.00000°,δ33.00000°,λ112.00000°. NP2:ϕ_s22.00000° ,δ60.00000°,λ77.00000°.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}2.25 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-3.42 $M_{r\theta}$3.18 $M_{\theta\phi}$-0.39 $M_{\phi r}$4.11 NP1:ϕ_s154.00000°,δ23.00000°,λ32.00000°. NP2:ϕ_s34.00000° ,δ78.00000°,λ109.00000°. M_o6.02000×10^{15}
TAP B.
ISC VIII 06 12 28 53.1–.68 23.14N–.01 121.39E–.02 14–3 3.5b,3.2s 268 0-79
IDC VIII 06 12 28 50.0–1.0 23.03N 121.44E 0 3.6,3.5b **¶620998898**
JMA VIII 06 12 28 51.7–.15 23.2N–.20 121.5E–.90 9–2 3.9,3.5b
TAP VIII 06 12 28 52.6 23.16N 121.29E 6–0 4.3L,3.5b
ASIES VIII 06 12 28 52.5 23.16N 121.29E 5 3.9W,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=19.7km az=122.0.
JMA Event type ke. TAIWAN REGION .
TAP B.

ASIES Moment Tensor Solution. NP1:ϕ_s220.00000°,δ32.00000°,λ106.00000°. NP2:ϕ_s22.00000°,δ59.00000°,λ81.00000°.
ISC VIII 07 15 28 02.1–.79 23.83N–.01 121.63E–.02 9–4 235 0-4
JMA VIII 07 15 28 01.2–.20 23.8N–.40 122E–2.0 2 3.2 **¶626042446**
TAP VIII 07 15 28 01.8 23.85N 121.58E 5–0 3.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP VIII 08 00 59 06.7 22.73N 120.68E 43–0 3.6L
¶626042517
TAP B.
ISC VIII 09 14 58 36.3–.78 23.66N–.01 120.93E–.01 13–5 263 0-4
JMA VIII 09 14 58 35.6–.23 23.7N–.40 120.9E–1.0 0 3.3 **¶626042647**
TAP VIII 09 14 58 36.0 23.67N 120.90E 11–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 09 21 50 01.3–.71 23.09N–.01 121.40E–.02 18–4 3.7b,3.4s 231 0-84
IDC VIII 09 21 49 58.7–1.1 23.10N 121.41E 0 3.8b,3.8 **¶621007290**
JMA VIII 09 21 50 00.1–.12 23.1N–.20 121.5E–.70 12–2 4.1,3.8
TAP VIII 09 21 50 01.7 23.11N 121.31E 13–0 4.4L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=16.9km az=166.0.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 13 06 23 17.5–.84 23.85N–.01 121.66E–.02 8–5 191 0-4
JMA VIII 13 06 23 16.4–.11 23.8N–.20 121.7E–.80 0 3.3 **¶626042833**
TAP VIII 13 06 23 17.0 23.85N 121.63E 4–0 4.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 09 22 29 40.8–.85 23.06N–.02 121.41E–.02 18–4 162 0-5
JMA VIII 09 22 29 40.6–.04 23.1N–.20 121.4E–.70 26–0 3.5 **¶626042675**
TAP VIII 09 22 29 41.8 23.11N 121.30E 12–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 13 06 23 56.5–.90 23.85N–.02 121.63E–.02 4–5 141 0-2
TAP VIII 13 06 23 56.0 23.86N 121.61E 5–0 4.0L **¶626042836**
JMA VIII 13 06 23 55.3–.19 23.9N–.30 122E–2.0 0 4.0L
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VIII 13 06 36 52.1–.84 23.85N–.01 121.67E–.02 8–5 221 0-4
JMA VIII 13 06 36 51.2–.18 23.8N–.20 121.7E–.60 2–1 3.2 **¶626042839**
TAP VIII 13 06 36 51.9 23.86N 121.62E 4–0 3.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VIII 16 01 49 56.0–.95 23.21N–.02 121.42E–.03 24–4 122 0-4
JMA VIII 16 01 49 54.1–.21 23.2N–.20 121.6E–.60 4–3 **¶626042972**
TAP VIII 16 01 49 55.9 23.21N 121.38E 21–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP A.
TAP VIII 14 09 20 29.3 24.95N 121.59E 13–1 1.8L
¶626042889
TAP A.
TAP VIII 14 09 20 33.6 24.95N 121.61E 7–0 1.9L
¶626042892
TAP B.
TAP VIII 16 21 19 30.8 24.50N 121.92E 14–1 1.5L
¶626043126
TAP B.
ISC VIII 19 07 46 39.9–.80 23.93N–.01 121.66E–.02 9–5 218 0-4
JMA VIII 19 07 46 38.9–.18 23.9N–.40 122E–1.0 0 3.1 **¶626043208**
TAP VIII 19 07 46 39.9 23.94N 121.62E 6–0 3.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 17 19 22 31.7–.72 23.72N–.01 121.10E–.01 33–2 3.7b 288 0-72
IDC VIII 17 19 22 25.5–.77 23.52N 121.04E 0 3.8,3.7b **¶621030291**
TAP VIII 17 19 22 31.8 23.72N 121.09E 34–0 4.4L,3.7b
JMA VIII 17 19 22 32.7–.09 23.7N–.40 121.2E–1.0 34–2 3.9,3.7b
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC VIII 19 07 50 55.1–.73 23.93N–.01 121.69E–.02 10–4 4.6b,3.2s 342 0-83
IDC VIII 19 07 50 53.1–.60 23.95N 121.71E 0 4.1L,4.0b **¶620997091**
JMA VIII 19 07 50 54.9–.15 23.9N–.30 121.7E–1.0 0 4.0,4.0b
NIED VIII 19 07 50 54.9 23.93N 121.68E 0 4.3W,4.0b
ASIES VIII 19 07 50 55.5 23.94N 121.63E 5 4.1W,4.0b
NEIC VIII 19 07 50 55.3–.83 23.89N–.02 121.68E–.04 10–1 4.7b,4.0b
BJI VIII 19 07 50 55.2 23.92N 121.71E 8 4.6b,4.5L
TAP VIII 19 07 50 55.7 23.94N 121.63E 6–0 4.6L,4.5L
ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=13.6km az=94.0.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}1.83 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.91 $M_{r\theta}$2.08 $M_{\theta\phi}$-0.63 $M_{\phi r}$2.08 NP1:ϕ_s175.00000°,δ21.00000°,λ48.00000°. NP2:ϕ_s40.00000°,δ74.00000°,λ105.00000°. $M_0$3.54000×10^{15}
ASIES Moment Tensor Solution. NP1:ϕ_s170.00000°,δ35.00000°,λ33.00000°. NP2:ϕ_s51.00000°,δ71.00000°,λ121.00000°.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=2.8km az=301.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP B.
ISC VIII 19 08 04 23.3–.78 23.92N–.01 121.68E–.02 10–4 183 0-4
JMA VIII 19 08 04 22.2–.31 23.9N–.50 122E–2.0 0 3.1 **¶626043210**
TAP VIII 19 08 04 23.3 23.94N 121.61E 7–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 19 18 09 39.9–.80 23.96N–.01 121.62E–.02 8–4 149 0-3
JMA VIII 19 18 09 39.3–.28 24.0N–.60 122E–3.0 3 **¶626043230**
TAP VIII 19 18 09 39.7 23.97N 121.60E 7–0 2.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 19 15 12 51.2–.72 23.94N–.01 121.66E–.01 10–4 3.7b,2.8s 289 0-83
IDC VIII 19 15 12 49.1–.84 23.91N 121.80E 0 3.7L,3.7b **¶620997344**
ASIES VIII 19 15 12 50.5 23.95N 121.60E 5 3.8W,3.7b
NIED VIII 19 15 12 50.6 23.96N 121.65E 0 4.1W,3.7b
JMA VIII 19 15 12 50.6–.09 24.0N–.20 121.7E–.70 0 3.7,3.7b
TAP VIII 19 15 12 51.1 23.95N 121.63E 8–0 4.3L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=17.7km az=87.0.
ASIES Moment Tensor Solution. NP1:ϕ_s197.00000°,δ37.00000°,λ86.00000°. NP2:ϕ_s22.00000°,δ54.00000°,λ93.00000°.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-0.89 $M_{r\theta}$0.59 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.73 NP1:ϕ_s188.00000°,δ25.00000°,λ67.00000°. NP2:ϕ_s33.00000°,δ67.00000°,λ100.00000°. $M_0$1.37000×10^{15}
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 19 15 29 32.5–.89 23.93N–.02 121.68E–.02 33–4 103 0-2
JMA VIII 19 15 29 32.5–.24 24N–5.0 122E–1.0 85 1.8 **¶626043220**
TAP VIII 19 15 29 33.0 23.96N 121.65E 27–0 2.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 22 11 52 02.1–.64 23.19N–.01 120.57E–.01 16–3 4.2b,3.4s 360 0-88
IDC VIII 22 11 51 59.3–.56 23.09N 120.60E 0 4.0b,4.0 **¶620999539**
NIED VIII 22 11 52 01.8 23.22N 120.55E 6 4.1W,4.0
ASIES VIII 22 11 52 01.5 23.17N 120.58E 14 4.2W,4.0
TAP VIII 22 11 52 01.8 23.16N 120.58E 14–0 4.8L,4.0
JMA VIII 22 11 52 01.8–.17 23.2N–.20 120.5E–.50 6–2 4.6,4.0
BJI VIII 22 11 52 02.0 23.19N 120.53E 15 4.4L,4.4b
NEIC VIII 22 11 52 02.5–1.6 23.182N–.01 120.60E–.03 15–4 4.2b,4.4b
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}1.43 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-1.79 $M_{r\theta}$-0.61 $M_{\theta\phi}$-0.13 $M_{\phi r}$0.30 NP1:ϕ_s206.00000°,δ45.00000°,λ125.00000°. NP2:ϕ_s341.00000°,δ54.00000°,λ60.00000°. $M_0$1.77000×10^{15}
ASIES Moment Tensor Solution. NP1:ϕ_s203.00000°,δ40.00000°,λ101.00000°. NP2:ϕ_s8.00000°,δ50.00000°,λ81.00000°.
TAP B.
JMA Event type ke. TAIWAN REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 19 15 34 32.9–.75 23.93N–.01 121.68E–.02 10–4 3.8b,3.2s 322 0-83
IDC VIII 19 15 34 30.5–.79 23.96N 121.75E 0 3.8L,3.8b **¶626043222**
NIED VIII 19 15 34 32.8 23.94N 121.67E 0 4.2W,3.8b
NEIC VIII 19 15 34 32.2–1.8 23.89N–.02 121.67E–.02 10–4 4.3b,3.8b
ASIES VIII 19 15 34 32.5 23.97N 121.63E 5 3.9W,3.8b
JMA VIII 19 15 34 32.8–.08 23.9N–.20 121.7E–.60 0 3.6,3.8b
BJI VIII 19 15 34 33.6 23.91N 121.70E 10 3.9s,3.9b
TAP VIII 19 15 34 33.4 23.96N 121.62E 5–0 4.3L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=17.8km s-min=17.0km az=77.0.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}1.33 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-1.35 $M_{r\theta}$1.34 $M_{\theta\phi}$-0.50 $M_{\phi r}$1.15 NP1:ϕ_s177.00000°,δ25.00000°,λ49.00000°. NP2:ϕ_s41.00000°,δ72.00000°,λ107.00000°. $M_0$2.27000×10^{15}
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=1.4km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASIES Moment Tensor Solution. NP1:ϕ_s179.00000°,δ49.00000°,λ54.00000°. NP2:ϕ_s47.00000°,δ53.00000°,λ124.00000°.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VIII 23 22 03 45.4–.78 23.58N–.01 120.85E–.01 10–5 259 0-4
TAP VIII 23 22 03 44.9 23.58N 120.85E 8–0 3.8L **¶626043334**
JMA VIII 23 22 03 45.2–.17 23.6N–.30 120.9E–.40 4–2 3.8L
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC VIII 31 22 27 57.1–.66 23.27N–.01 120.73E–.01 15–4 4.3b,4.0s 328 0-148
IDC VIII 31 22 27 53.8–.75 23.21N 120.89E 0 4.1,4.0L **¶621076648**
BJI VIII 31 22 27 56.3 23.27N 120.69E 10 4.5b,4.3s
NEIC VIII 31 22 27 56.7–1.4 23.28N–.08 120.74E–.07 10–1 4.3b,4.3s
TAP VIII 31 22 27 56.7 23.27N 120.71E 14–0 4.9L,4.3s
JMA VIII 31 22 27 57.8–.31 23N–1.0 121E–1.0 80 4.3,4.3s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC IX 02 10 56 59.8–.84 23.19N–.01 120.55E–.01 3–5 4.1b,3.6s 276 0-88
NIED IX 02 10 56 55.4 23.02N 120.30E 0 4.7W,3.6s **¶621023702**
JMA IX 02 10 56 55.4–.82 23N–3.0 120E–3.0 0 4.6,3.6s
TAP IX 02 10 56 58.9 23.18N 120.55E 4–0 4.8L,3.6s
IDC IX 02 10 56 58.6–.82 23.06N 120.59E 0 3.9,3.8b
BJI IX 02 10 56 59.6 23.10N 120.61E 8 4.9L,4.4s
NEIC IX 02 10 57 01.9–1.4 23.24N–.08 120.62E–.07 10–1 4.2b,4.4s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$0.11 $M_{r\theta}$0.83 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.49 NP1:ϕ_s269.00000°,δ14.00000°,λ119.00000°. NP2:ϕ_s59.00000°,δ78.00000°,λ83.00000°. $M_0$1.07000×10^{16}
JMA Event type ke. TAIWAN REGION .
TAP B.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP IX 02 04 17 34.2 24.23N 121.79E 31–0 2.1L
¶626043548
TAP A.
ISC IX 02 11 09 25.1–.89 23.18N–.01 120.54E–.01 3–6 224 0-5
JMA IX 02 11 09 23.9–.59 23N–2.0 121E–3.0 0 3.8 **¶626043557**
TAP IX 02 11 09 24.4 23.17N 120.53E 4–0 4.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC IX 05 09 19 31.1–1.3 24.82N–.03 121.82E–.03 66–6 126 0-2
TAP IX 05 09 19 30.7 24.79N 121.81E 65–0 3.6L **¶626043635**
JMA IX 05 09 19 31.1–.07 25N–3.0 122E–1.0 61–1 2.6
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC IX 06 01 00 30.4–.97 23.66N–.01 121.72E–.02 17–8 218 0-3
TAP IX 06 01 00 31.8 23.67N 121.64E 35–0 3.6L **¶626043646**
JMA IX 06 01 00 32.9–.16 24N–2.0 121.8E–.80 89–4 2.9
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC IX 06 08 07 49.1–1.2 24.54N–.02 121.72E–.02 65–5 184 0-3
TAP IX 06 08 07 48.4 24.52N 121.70E 66–0 3.7L **¶626043658**
JMA IX 06 08 07 49.4–.09 25N–2.0 122E–1.0 67–1 2.9
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC IX 10 17 39 45.6–.66 23.76N–.01 121.53E–.02 15–3 3.5b 210 0-49
JMA IX 10 17 39 44.5–.11 23.8N–.70 122E–2.0 3 3.5 **¶621108533**
IDC IX 10 17 39 44.1–1.1 23.56N 121.57E 0 3.6,3.5b
TAP IX 10 17 39 45.1 23.78N 121.48E 9–0 4.0L,3.5b
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=26.8km s-min=20.3km az=85.0.
TAP B.
ISC IX 13 10 41 28.0–.28 24.10N–.02 121.05E–.02 54–2 4.9b,4.0s 751 0-125
BJI IX 13 10 41 26.3 24.12N 121.01E 36 5.1b,4.6L **¶621071761**
TAP IX 13 10 41 27.7 24.12N 121.01E 46–0 5.6L,4.6L
NIED IX 13 10 41 27.6 24.12N 121.04E 51 5.0W,4.6L
ASIES IX 13 10 41 27.5 24.12N 121.02E 47 4.8W,4.6L
JMA IX 13 10 41 27.6–.09 24.1N–.20 121.0E–.60 51–1 5.3,4.9
IDC IX 13 10 41 27.3–.53 23.93N 121.31E 55–3 4.3,4.0b
GFZ IX 13 10 41 28.3–.23 24N–3.0 121E–3.0 43–3 5.7b,5.2
NEIC IX 13 10 41 28.3–2.6 24.12N–.04 121.05E–.06 52–5 4.9b,5.2
GCMT IX 13 10 41 30.3–.30 24.14N–.02 121.05E–.02 51–2 5.0W,5.2
ISC Event type ke.
TAP B.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.88 $M_{\theta\theta}$2.16 $M_{\phi\phi}$-3.04 $M_{r\theta}$-1.56 $M_{\theta\phi}$1.92 $M_{\phi r}$-0.01 NP1:ϕ_s203.00000°,δ65.00000°,λ163.00000°. NP2:ϕ_s300.00000°,δ75.00000°,λ26.00000°. $M_0$3.67000×10^{16}
ASIES Moment Tensor Solution. NP1:ϕ_s189.00000°,δ38.00000°,λ156.00000°. NP2:ϕ_s299.00000°,δ75.00000°,λ55.00000°.
JMA Event type ke. TAIWAN REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109131041A. Moment Tensor Solution. s20,c21; s87,c136; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.67±.24 $M_{\theta\theta}$0.93±.15; $M_{\phi\phi}$-2.60±.14; $M_{r\theta}$-2.21±.10; $M_{\theta\phi}$1.44±.10; $M_{\phi r}$0.47±.10; Best double couple: NP1:ϕ_s194.00000°,δ45.00000°,λ151.00000°. NP2:ϕ_s305.00000°,δ70.00000°,λ49.00000°. Principal axes: T 3.5950,Plg48.0000°,Azm172.0000°; N -0.1610,Plg38.0000°,Azm322.0000°

; P -3.4390,Plg15.0000°,Azm64.0000° $M_0$3.51700×10^{16}
ISC IX 15 03 45 28.7–.82 24.85N–.02 121.99E–.02 12–5 83 0-2
TAP IX 15 03 45 28.6 24.85N 121.99E 10–0 2.9L **¶626044092**
JMA IX 15 03 45 29.4–.10 24.8N–.60 122.0E–.50 28 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 15 03 45 50.6–.81 24.84N–.02 121.98E–.02 13–5 144 0-3
TAP IX 15 03 45 50.6 24.85N 121.99E 9–0 3.6L **¶626044095**
JMA IX 15 03 45 51.4–.08 24.8N–.50 122.0E–.40 24 3.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 15 10 50 53.0–.64 23.13N–.02 121.47E–.02 24–4 4.0b,4.0s 307 0-84
IDC IX 15 10 50 49.0–.66 23.07N 121.46E 0 4.0b,4.0 **¶621076039**
NEIC IX 15 10 50 51.4–2.2 23.19N–.02 121.52E–.03 10–1 4.2b,4.0
JMA IX 15 10 50 51.6–.09 23.2N–.30 121.5E–.40 7–1 4.2,4.0
TAP IX 15 10 50 53.5 23.16N 121.39E 21–0 4.6L,4.0
ASIES IX 15 10 50 53.5 23.16N 121.39E 21 4.1W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=15.6km s-min=15.0km az=80.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. TAIWAN REGION .
TAP B.
ASIES Moment Tensor Solution. NP1:ϕ_s176.00000°,δ25.00000°,λ80.00000°. NP2:ϕ_s7.00000°
,δ66.00000°,λ95.00000°.
TAP IX 16 09 46 54.0 23.48N 120.47E 8–0 3.2L
¶626044164
TAP B.
ISC IX 16 09 51 18.6–1.2 23.79N–.02 121.57E–.02 43–4 226 0-4
JMA IX 16 09 51 17.5–.12 23.7N–.70 122E–1.0 38–2 3.3 **¶626044165**
TAP IX 16 09 51 17.9 23.81N 121.54E 49–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC IX 28 01 05 10.4–1.2 24.33N–.02 121.73E–.02 40–4 125 0-2
JMA IX 28 01 05 08.1–.10 24.3N–.40 121.7E–.60 55–0 2.6 **¶626044592**
TAP IX 28 01 05 09.1 24.34N 121.70E 48–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC IX 24 03 59 43.1–2.5 24.71N–.05 121.90E–.05 91–15 56 0-1
TAP IX 24 03 59 43.8 24.71N 121.91E 81–0 2.8L **¶626044358**
JMA IX 24 03 59 45.6–.24 25N–1.0 122.1E–.90 0 2.8L
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 19 20 57 12.6–.85 22.68N–.01 120.73E–.02 24–3 224 0-4
JMA IX 19 20 57 09.7–.07 23N–1.0 120.6E–1.0 22–1 3.6 **¶626044249**
TAP IX 19 20 57 11.6 22.70N 120.72E 26–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC IX 22 09 29 41.8–.82 24.84N–.02 121.98E–.02 12–5 158 0-2
TAP IX 22 09 29 41.5 24.85N 121.98E 11–0 3.0L **¶626044312**
JMA IX 22 09 29 42.4–.17 24.8N–.90 121.9E–.70 25 3.0L
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IX 23 09 28 01.8–.78 23.81N–.02 121.54E–.02 13–4 132 0-3
JMA IX 23 09 28 01.6–.16 23.8N–.40 121.6E–1.0 5–2 **¶626044333**
TAP IX 23 09 28 01.3 23.81N 121.51E 9–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC IX 25 22 21 18.7–.28 24.30N–.02 121.75E–.02 47–2 4.9b,4.1s 1243 0-168
MOS IX 25 22 21 17.2–1.0 24.24N 121.83E 50 5.2b,4.3s **¶621110137**
GFZ IX 25 22 21 18.9–.18 24N–2.0 122E–2.0 44–1 5.4b,5.3
GFZ IX 25 22 21 18.9 24.30N 121.76E 45 5.0W,5.3
BJI IX 25 22 21 18.3 24.50N 121.68E 20 5.1L,5.1b
GCMT IX 25 22 21 19.2–.20 24.30N–.01 121.76E–.01 48–1 5.0W,5.1b
JMA IX 25 22 21 20.0–.08 24.3N–.30 121.7E–.50 39–1 5.0,4.9W
TAP IX 25 22 21 19.6 24.32N 121.68E 46–0 5.8L,4.9W
NEIC IX 25 22 21 19.3 24.31N 121.74E 47 5.8L,4.9W
ASIES IX 25 22 21 19.5 24.32N 121.69E 45 5.0W,4.9W
NIED IX 25 22 21 20.0 24.33N 121.73E 39 4.9W,4.9W
NEIC IX 25 22 21 19.0–1.3 24.30N–.04 121.74E–.05 46–4 5.1b,5.0
NEIC IX 25 22 21 19 24.30N 121.74E 46 5.1b,5.0
IDC IX 25 22 21 22.0–1.6 24.33N 121.91E 77–14 4.7,4.4b
NEIC IX 25 22 21 21.5 24.20N 121.85E 46 5.0,4.4b
ISC Event type ke.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=115.7.
GFZ Error ellipse: s-maj=4.5km s-min=3.8km az=135.5. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.49 $M_{\theta\theta}$3.21 $M_{\phi\phi}$-0.72 $M_{r\theta}$-1.16 $M_{\theta\phi}$1.39 $M_{\phi r}$1.61 NP1:
ϕ_s102.47864°,δ60.06860°,λ-49.38544°. NP2:ϕ_s222.67165°,δ48.86321°,λ-138.50850°.
Principal axes: T 3.7174,Plg6.4512°,Azm164.8825°; N 0.1361,Plg34.3428°,Azm259.3134°
; P -3.8535,Plg54.8847°,Azm65.6294° $M_0$3.78727×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202109252221A. Moment Tensor Solution. s81,c106; s99,c156;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.86±.13 $M_{\theta\theta}$3.05±.09; $M_{\phi\phi}$-1.19±.11;
$M_{r\theta}$-1.25±.08; $M_{\theta\phi}$2.10±.08; $M_{\phi r}$2.19±.10; Best double couple: NP1:ϕ_s212.00000°,δ57.00000°
,λ-148.00000°. NP2:ϕ_s104.00000°,δ64.00000°,λ-37.00000°. Principal axes:
T 3.9360,Plg4.0000°,Azm159.0000°; N 0.5300,Plg46.0000°,Azm253.0000°
; P -4.4660,Plg44.0000°,Azm66.0000° $M_0$4.20100×10^{16}
JMA Event type ke. TAIWAN REGION .
TAP B.
NEIC Event type se.
ASIES Moment Tensor Solution. NP1:ϕ_s217.00000°,δ54.00000°,λ-139.00000°. NP2:ϕ_s100.00000°
,δ58.00000°,λ-44.00000°.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.80 $M_{\theta\theta}$1.58 $M_{\phi\phi}$-0.78
$M_{r\theta}$-0.28 $M_{\theta\phi}$1.45 $M_{\phi r}$1.48 NP1:ϕ_s102.00000°,δ57.00000°,λ-24.00000°. NP2:ϕ_s206.00000°
,δ70.00000°,λ-144.00000°. $M_0$2.48000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.2km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.85 $M_{\theta\theta}$3.17 $M_{\phi\phi}$-1.31 $M_{r\theta}$-1.07
$M_{\theta\phi}$1.53 $M_{\phi r}$1.67 NP1:ϕ_s107.95000°,δ64.52000°,λ-40.14000°. NP2:ϕ_s217.89000°,δ54.41000°
,λ-148.06000°. Principal axes: T 3.6938,Plg6.0000°,Azm165.0000°; N 0.0513,Plg44.0000°
,Azm261.0000°; P -3.7451,Plg46.0000°,Azm69.0000° $M_0$3.72000×10^{16}
NEIC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=9.6km az=48.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm;
M_{rr}-1.94 $M_{\theta\theta}$2.71 $M_{\phi\phi}$-0.77 $M_{r\theta}$-1.10 $M_{\theta\phi}$1.68 $M_{\phi r}$1.55 NP1:ϕ_s214.78000°,δ53.16000°
,λ-144.38000°. NP2:ϕ_s101.53000°,δ62.22000°,λ-42.67000°. Principal axes:
T 3.4337,Plg5.0000°,Azm160.0000°; N 0.1403,Plg41.0000°,Azm255.0000°
; P -3.5740,Plg49.0000°,Azm64.0000° $M_0$3.51000×10^{16}
TAP X 02 06 55 18.9 23.40N 120.66E 10–0 2.0L
¶626602143
TAP B.
ISC X 04 21 36 12.7–1.2 24.31N–.02 121.70E–.02 41–4 296 0-4
JMA X 04 21 36 11.4–.18 24.3N–.60 122E–1.0 51–1 **¶626602188**
TAP X 04 21 36 12.0 24.31N 121.66E 46–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC X 03 02 45 29.8–.72 23.29N–.01 121.50E–.02 27–4 3.5b 268 0-159
IDC X 03 02 45 24.6–.98 23.26N 121.36E 0 3.6b,3.6 **¶621186104**
JMA X 03 02 45 29.2–.12 23.3N–.50 121E–1.0 27–1 3.6,3.6
TAP X 03 02 45 30.4 23.31N 121.43E 25–0 4.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=19.2km az=76.0.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC X 15 03 31 00.2–1.2 24.66N–.02 121.92E–.02 63–4 253 0-4
JMA X 15 03 30 59.2–.21 24.6N–.60 121.9E–.60 66–2 3.5 **¶626602630**
TAP X 15 03 31 00.3 24.62N 121.88E 57–0 4.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC X 06 18 16 56.1–1.0 23.02N–.02 121.70E–.03 13–8 140 0-4
JMA X 06 18 16 55.7–.32 23.0N–.40 121.8E–1.0 10–4 3.2 **¶626602303**
TAP X 06 18 16 57.0 23.02N 121.65E 11–1 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP X 05 21 37 53.0 23.15N 120.55E 13–0 2.2L
¶626602261
TAP B.
ISC X 13 02 48 55.9–1.2 24.62N–.02 121.90E–.02 60–4 213 0-4
TAP X 13 02 48 55.5 24.57N 121.87E 58–0 3.9L **¶626602601**
JMA X 13 02 48 55.3–.11 24.6N–.20 121.9E–.30 63–1 3.2
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC X 06 20 21 43.7–.61 23.90N–.01 121.49E–.02 21–0 3.7b 252 0-49
IDC X 06 20 21 39.7–1.0 23.66N 121.49E 0 3.8L,3.7b **¶621126643**
ASIES X 06 20 21 43.5 23.91N 121.46E 19 3.7W,3.7b
TAP X 06 20 21 43.5 23.91N 121.46E 21–0 4.3L,3.7b
JMA X 06 20 21 43.2–.03 23.9N–.20 121.6E–.50 12–0 3.6,3.7b
ISC Event type ke.
ASIES Moment Tensor Solution. NP1:ϕ_s81.00000°,δ29.00000°,λ142.00000°. NP2:ϕ_s206.00000°
,δ72.00000°,λ66.00000°.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC X 07 07 57 24.8–.86 23.10N–.02 121.42E–.02 20 197 0-3
JMA X 07 07 57 23.9–.13 23.1N–.30 121.5E–1.0 15–2 3.3 **¶626602324**
TAP X 07 07 57 25.3 23.15N 121.33E 14–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC X 18 05 49 18.2–.39 24.18N–.01 121.73E–.02 32–2 4.7b,3.9s 522 0-99
IDC X 18 05 49 12.8–.60 24.12N 121.75E 0 4.2b,4.2 **¶621206653**
GFZ X 18 05 49 17.9–.14 24N–2.0 122E–2.0 34 5.3,5.0
NEIC X 18 05 49 17.5–1.2 24.18N–.04 121.66E–.06 32–4 4.8b,5.0
NIED X 18 05 49 17.5 24.14N 121.64E 35 4.5W,5.0
JMA X 18 05 49 17.5–.13 24.1N–.60 121.6E–.90 35–0 4.6,4.5
TAP X 18 05 49 18.6 24.20N 121.67E 31–0 5.2L,4.5
BJI X 18 05 49 18.1 24.20N 121.72E 32 5.0L,4.8b
ASIES X 18 05 49 18.5 24.20N 121.67E 30 4.5W,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=13.9km s-min=13.3km az=77.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.1km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.85 $M_{\theta\theta}$0.58 $M_{\phi\phi}$2.27
$M_{r\theta}$-0.57 $M_{\theta\phi}$4.61 $M_{\phi r}$3.86 NP1:ϕ_s77.00000°,δ46.00000°,λ-25.00000°. NP2:ϕ_s185.00000°
,δ72.00000°,λ-133.00000°. $M_0$6.56000×10^{15}
JMA Event type ke. TAIWAN REGION .
TAP B.
ASIES Moment Tensor Solution. NP1:ϕ_s81.00000°,δ34.00000°,λ-52.00000°. NP2:ϕ_s218.00000°
,δ64.00000°,λ-112.00000°.
ISC X 24 05 44 59.1–1.2 24.56N–.02 121.78E–.02 68–5 203 0-3
TAP X 24 05 44 58.6 24.54N 121.76E 67–0 3.8L **¶626603097**
JMA X 24 05 44 58.1–.19 24.5N–.40 121.8E–.70 69–2 2.9
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC X 23 10 32 37.9–.57 24.06N–.01 121.68E–.02 28–3 4.0b,3.1s 278 0-87
IDC X 23 10 32 34.9–2.2 24.12N 121.65E 0 3.9L,3.9 **¶621309371**
NEIC X 23 10 32 37.8–1.1 24.04N–.02 121.61E–.06 29–6 4.1b,3.9
JMA X 23 10 32 37.3–.15 24.0N–.60 122E–1.0 25–1 3.7,3.9
TAP X 23 10 32 38.4 24.08N 121.65E 26–0 4.5L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=19.0km az=167.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=1.7km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC X 24 04 38 52.0–.65 24.03N–.01 121.68E–.02 26–3 3.8b,3.3s 284 0-74
TAP X 24 04 38 52.0 24.05N 121.65E 26–0 4.6L,3.3s **¶621366374**
JMA X 24 04 38 51.2–.08 24.0N–.30 121.6E–.80 22–0 3.7,3.3s
IDC X 24 04 38 53.3–3.8 24.02N 121.83E 40–37 4.1L,3.9
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=22.6km s-min=20.8km az=16.0.
TAP X 20 14 38 07.8 24.18N 121.59E 21–0 2.5L
¶626602789
TAP B.
ISC X 18 08 52 56.8–.86 24.18N–.01 121.69E–.02 30–4 209 0-4
TAP X 18 08 52 56.9 24.20N 121.66E 31–0 3.9L **¶626602754**
JMA X 18 08 52 56.1–.15 24.2N–.50 122E–1.0 33–1 3.2
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC X 23 03 16 04.9–.45 24.04N–.01 121.71E–.02 28–2 4.9b,4.4s 484 0-169
IDC X 23 03 15 59.9–.58 24.01N 121.66E 0 4.4b,4.4 **¶621237737**
NEIC X 23 03 16 01.9–1.6 24.00N–.07 121.74E–.06 10–1 5.1b,4.4
BJI X 23 03 16 03.2 24.10N 121.58E 10 5.1b,5.0s
TAP X 23 03 16 04.6 24.07N 121.65E 27–0 5.3L,5.0s
NIED X 23 03 16 05.7 24.22N 121.74E 79 5.1W,5.0s
JMA X 23 03 16 05.7–.24 24N–1.0 121.7E–.90 79 4.7,4.4
GFZ X 23 03 16 06.3–.23 24N–4.0 122E–3.0 39 5.0b,4.8b
GCMT X 23 03 16 06.2–.30 23.97N–.02 121.68E–.02 37–1 5.0W,4.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP B.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.96 $M_{\theta\theta}$-3.14 $M_{\phi\phi}$0.18
$M_{r\theta}$2.08 $M_{\theta\phi}$-1.72 $M_{\phi r}$1.78 NP1:ϕ_s264.00000°,δ28.00000°,λ117.00000°. NP2:ϕ_s54.00000°
,δ65.00000°,λ76.00000°. $M_0$4.40000×10^{16}
JMA Event type ke. TAIWAN REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. ID: C202110230316A. Moment Tensor Solution. s38,c51; s93,c126;
Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.91±.19 $M_{\theta\theta}$-1.14±.13; $M_{\phi\phi}$-0.77±.13;
$M_{r\theta}$0.93±.11; $M_{\theta\phi}$-1.97±.07; $M_{\phi r}$1.96±.14; Best double couple: NP1:ϕ_s254.00000°,δ30.00000°
,λ132.00000°. NP2:ϕ_s28.00000°,δ68.00000°,λ69.00000°. Principal axes:
T 2.9470,Plg61.0000°,Azm266.0000°; N 0.7270,Plg19.0000°,Azm37.0000°
; P -3.6740,Plg20.0000°,Azm134.0000° $M_0$3.31100×10^{16}
ISC X 23 03 24 59.0–1.0 24.09N–.02 121.85E–.02 5–8 173 0-3
TAP X 23 03 24 58.1 24.10N 121.81E 5–0 4.2L **¶626602964**
JMA X 23 03 24 58.2–.34 24N–1.0 121.7E–.90 43 3.3

ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC X 24 06 05 11.5–1.2 24.60N–.02 121.79E–.02 69–4 248 0-3
TAP X 24 06 05 11.5 24.58N 121.79E 63–0 4.3L ¶626603131
JMA X 24 06 05 11.3–.23 24.6N–.50 121.8E–.80 63–2 3.5
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP X 24 06 12 14.2 24.56N 121.78E 63–0 2.7L
¶626603133
TAP B.
ISC X 24 05 11 33.8–.20 24.57N–.02 121.88E–.02 71–1 6.1b 2891 0-176
MOS X 24 05 11 31.6–.92 24.57N 121.99E 62 6.3b,5.5s ¶621238060
BJI X 24 05 11 32.6 24.55N 121.80E 60 6.5b,6.2L
JMA X 24 05 11 33.5–.18 24.5N–.40 121.7E–.60 73–1 6.3,6.3W
NIED X 24 05 11 33.5 24.48N 121.73E 73 6.2W,6.3W
PTWC X 24 05 11 34 24.50N 121.80E 52 6.4,6.3W
ISC-P X 24 05 11 34 24.51N 121.83E 63–1 6.4,6.3W
NEIC X 24 05 11 34.3 24.57N 121.83E 64 6.4,6.3W
IPGP X 24 05 11 34.0 24.57N 121.83E 70 6.2W,6.3W
GFZ X 24 05 11 34.6 24.53N 121.85E 65 6.1W,6.3W
NEIC X 24 05 11 34.3 24.57N 121.83E 64 6.1W,6.3W
GFZ X 24 05 11 34.7–.19 24N–2.0 122E–2.0 66–2 6.4b,6.2
TAP X 24 05 11 34.7 24.53N 121.78E 66–0 6.5L,6.2
NEIC X 24 05 11 34.4 24.57N 121.84E 65 6.5L,6.2
NEIC X 24 05 11 34.2–1.9 24.51N–.05 121.83E–.07 69–1 6.2b,6.2
GCMT X 24 05 11 36.7–.00 24.63N 121.70E 80–0 6.2W,6.2
IDC X 24 05 11 37.1–.75 24.63N 121.90E 96–6 5.9,5.5b
NEIC X 24 05 11 49.1 24.57N 121.84E 60 6.2,5.5b
ISC Event type ke.
MOS Error ellipse: s-maj=5.6km s-min=3.4km az=114.1.
JMA Event type fe. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.84 $M_{\theta\theta}$1.61 $M_{\phi\phi}$-0.77 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.83 $M_{\phi r}$-1.84 NP1:ϕ_s74.00000°,δ43.00000°,λ-158.00000°. NP2:ϕ_s328.00000° ,δ75.00000°,λ-49.00000°. M_o2.42000×10^{18}
ISC-P Moment Tensor Solution. s43 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.29±.21 $M_{\theta\theta}$-0.09±.23; $M_{\phi\phi}$0.47±.19; $M_{r\theta}$-0.23±.17; $M_{\theta\phi}$-0.53±.21; $M_{\phi r}$-0.10±.14; NP1:ϕ_s18.20000°,δ75.50000° ,λ290.70000°. NP2:ϕ_s141.80000°,δ25.00000°,λ-143.80000°. M_o4.32000×10^{18}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s60.00000°,δ25.00000°,λ141.00000°. NP2:ϕ_s187.00000° ,δ75.00000°,λ70.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.32 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-1.07 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.80 $M_{\phi r}$-1.41 NP1: ϕ_s191.36015°,δ68.20098°,λ72.14440°. NP2:ϕ_s52.30071°,δ27.89960°,λ127.47523°. Principal axes: T 2.0116,Plg62.5613°,Azm73.2925°; N 0.0334,Plg16.5405°,Azm198.1818° ; P -2.0450,Plg21.2436°,Azm294.8115° M_o2.02850×10^{18}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
TAP B.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.5km az=303.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.96 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.59 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.63 $M_{\phi r}$-1.86 NP1:ϕ_s61.40000°,δ21.23000°,λ143.28000°. NP2:ϕ_s186.21000° ,δ77.49000°,λ72.70000°. Principal axes: T 2.2591,Plg54.0000°,Azm75.0000° ; N -0.2677,Plg17.0000°,Azm190.0000°; P -1.9914,Plg30.0000°,Azm290.0000° M_o2.14000×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.35 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-0.71 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.89 $M_{\phi r}$-2.33 NP1:ϕ_s66.15000°,δ21.86000°,λ138.63000°. NP2: ϕ_s195.40000°,δ75.76000°,λ73.25000°. Principal axes: T 2.8794,Plg56.0000°,Azm84.0000° ; N -0.2166,Plg16.0000°,Azm200.0000°; P -2.6628,Plg29.0000°,Azm299.0000° M_o2.78000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110240511A. Moment Tensor Solution. s168,c425; s170,c624;Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.93±.01 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$-0.89±.01; $M_{r\theta}$0.02±.01; $M_{\theta\phi}$-0.98±.01; $M_{\phi r}$-1.94±.01; Best double couple: NP1:ϕ_s66.00000°,δ26.00000°,λ149.00000°. NP2:ϕ_s184.00000°,δ77.00000°,λ67.00000°. Principal axes: T 2.2970,Plg53.0000°,Azm67.0000°; N 0.1140,Plg22.0000°,Azm189.0000° ; P -2.4110,Plg28.0000°,Azm292.0000° M_o2.35400×10^{18}
IDC Error ellipse: s-maj=7.0km s-min=6.0km az=53.0.
NEIC Event type se. Moment Tensor Solution.Duration: 6s5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-1.03 $M_{r\theta}$0.02 $M_{\theta\phi}$-1.00 $M_{\phi r}$-1.96 NP1:ϕ_s62.71000°,δ26.63000° ,λ145.57000°. NP2:ϕ_s184.21000°,δ75.32000°,λ67.53000°. Principal axes: T 2.3611,Plg54.0000°,Azm67.0000°; N 0.1398,Plg22.0000°,Azm190.0000° ; P -2.5009,Plg27.0000°,Azm292.0000° M_o2.43000×10^{18}
ISC X 24 06 19 19.8–1.2 24.60N–.02 121.79E–.02 68–4 241 0-3
TAP X 24 06 19 19.7 24.58N 121.77E 64–0 3.6L ¶626603134
JMA X 24 06 19 19.9–.23 24.5N–.50 121.8E–.80 60–3 2.7
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC X 24 09 10 38.9–1.2 24.59N–.02 121.80E–.02 67–4 279 0-3
TAP X 24 09 10 38.6 24.57N 121.77E 65–0 3.7L ¶626603187
JMA X 24 09 10 38.3–.22 24.6N–.50 121.8E–.80 65–2 2.8
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC X 24 18 17 22.6–.63 22.77N–.02 120.43E–.02 32–3 3.9b,3.2s 261 0-71
NEIC X 24 18 17 19.6–1.8 22.66N–.04 120.33E–.04 10–1 4.1b,3.2s ¶621238335
TAP X 24 18 17 22.4 22.79N 120.45E 26–0 4.3L,3.2s
JMA X 24 18 17 22.1–.13 23N–1.0 120E–1.0 46–4 4.0,3.2s
IDC X 24 18 17 28.2–6.6 22.70N 120.56E 84–68 3.5,3.4s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=5.3km az=37.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP B.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=26.7km s-min=21.7km az=103.0.
ISC X 24 05 12 43.1–1.3 24.57N–.03 121.80E–.02 65–5 170 0-3
JMA X 24 05 12 42.9–.14 24.6N–.40 121.8E–.40 63–1 ¶626603049
TAP X 24 05 12 42.6 24.57N 121.78E 64–0 5.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP X 24 05 14 13.5 24.57N 121.79E 65–0 4.5L
¶626603050
TAP B.
TAP X 24 12 02 28.0 24.84N 121.97E 8–0 2.9L
¶626603207
TAP C.
TAP X 26 05 41 47.3 23.27N 121.73E 33–0 2.7L
¶626603392
TAP B.
ISC X 26 09 21 16.4–.99 23.18N–.02 121.63E–.02 33–2 226 0-4
JMA X 26 09 21 15.6–.13 23.2N–.80 122E–2.0 48–3 3.6 ¶626603401
TAP X 26 09 21 16.3 23.21N 121.57E 42–0 4.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC X 26 14 01 23.3–1.3 24.87N–.03 121.91E–.02 109–5 236 0-3
TAP X 26 14 01 23.7 24.86N 121.91E 102–0 3.6L ¶626603404
JMA X 26 14 01 23.5–.23 24.8N–.80 121.9E–.60 103–2 2.9
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC X 27 02 20 07.0–1.2 24.59N–.02 121.78E–.02 69–4 253 0-4
JMA X 27 02 20 06.8–.14 24.6N–.30 121.8E–.50 64–1 3.5 ¶621256449
TAP X 27 02 20 07.1 24.57N 121.77E 63–0 4.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC X 28 06 49 05.8–.66 24.58N–.02 121.80E–.02 69–4 3.9b 293 0-73
TAP X 28 06 49 05.9 24.56N 121.78E 64–0 4.7L ¶621391390
JMA X 28 06 49 05.0–.23 24.5N–.50 121.8E–.80 70–2 3.7
IDC X 28 06 49 08.6–3.1 24.58N 122.03E 104–32 3.9,3.6b
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=21.9km s-min=20.2km az=44.0.
ISC X 31 16 23 16.1–.70 24.60N–.02 121.79E–.02 72–3 3.5b 270 0-71
JMA X 31 16 23 15.8–.12 24.6N–.30 121.8E–.40 65–1 3.7 ¶621395258
TAP X 31 16 23 15.8 24.58N 121.79E 67–0 4.3L
IDC X 31 16 23 19.2–3.8 24.53N 122.09E 113–40 3.6,3.2b
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
IDC Error ellipse: s-maj=28.9km s-min=16.0km az=60.0.
ISC X 28 08 29 17.2–.88 24.06N–.02 121.67E–.02 24–4 173 0-4
JMA X 28 08 29 15.8–.24 24.0N–.80 122E–2.0 25–1 ¶626603498
TAP X 28 08 29 16.8 24.08N 121.65E 26–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XI 05 02 03 55.7–1.2 23.96N–.02 121.83E–.02 42–5 223 0-4
JMA XI 05 02 03 54.8–.08 23.9N–.40 121.8E–.60 48–1 2.7 ¶626603906
TAP XI 05 02 03 55.5 23.98N 121.78E 47–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XI 04 16 33 07.8–1.5 22.12N–.05 120.72E–.03 53–7 142 0-5
JMA XI 04 16 33 06.6–.22 22N–1.0 121E–3.0 58–2 3.5 ¶626603885
TAP XI 04 16 33 07.7 22.18N 120.76E 46–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XI 01 13 29 47.0–1.2 24.58N–.02 121.79E–.02 68–4 277 0-3
JMA XI 01 13 29 45.9–.22 24.6N–.50 121.8E–.80 71–2 2.7 ¶621821574
TAP XI 01 13 29 46.8 24.57N 121.78E 65–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP XI 01 14 42 01.5 25.22N 121.68E 51–0 2.5L
¶626603654
TAP D.
TAP XI 01 14 42 04.0 24.84N 121.97E 8–0 1.7L
¶626603657
TAP C.
TAP XI 06 20 51 03.4 23.84N 121.45E 17–0 1.7L
¶626603970
TAP B.
ISC XI 05 21 35 48.8–.79 23.91N–.01 121.48E–.01 18–2 257 0-4
JMA XI 05 21 35 47.7–.12 23.9N–.50 122E–2.0 15–2 3.1 ¶626603942
TAP XI 05 21 35 48.5 23.92N 121.45E 20–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XI 08 05 03 07.3–.97 23.80N–.01 121.99E–.02 18–6 3.6b 304 0-83
IDC XI 08 05 03 05.9–2.0 24.11N 122.01E 0 3.8,3.7L ¶621423075
NIED XI 08 05 03 08.0 23.81N 121.98E 17 4.3W,3.7L
JMA XI 08 05 03 08.0–.11 23.8N–.30 122.0E–.40 17–2 4.4,3.7L
TAP XI 08 05 03 08.9 23.83N 121.94E 26–0 4.5L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=44.2km s-min=15.7km az=167.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.20 $M_{\theta\theta}$1.05 $M_{\phi\phi}$0.15 $M_{r\theta}$2.41 $M_{\theta\phi}$-1.47 $M_{\phi r}$1.34 NP1:ϕ_s154.00000°,δ34.00000°,λ-22.00000°. NP2:ϕ_s262.00000° ,δ78.00000°,λ-122.00000°. M_o3.21000×10^{15}
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC XI 07 11 23 16.3–.65 24.31N–.02 121.72E–.02 44–3 3.7b,3.0s 313 0-73
NIED XI 07 11 23 15.6 24.25N 121.63E 51 4.0W,3.0s ¶621416034
JMA XI 07 11 23 15.6–.13 24.3N–.50 121.6E–.80 51–1 4.1,3.0s
TAP XI 07 11 23 16.6 24.32N 121.68E 47–0 4.6L,3.0s
IDC XI 07 11 23 21.5–3.1 24.38N 122.05E 108–31 3.7,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.74 $M_{\theta\theta}$0.60 $M_{\phi\phi}$0.14 $M_{r\theta}$-0.39 $M_{\theta\phi}$0.36 $M_{\phi r}$0.67 NP1:ϕ_s213.00000°,δ53.00000°,λ-133.00000°. NP2:ϕ_s90.00000° ,δ54.00000°,λ-48.00000°. M_o1.02000×10^{15}
JMA Event type ke. TAIWAN REGION .
TAP B.
IDC Error ellipse: s-maj=20.7km s-min=14.6km az=58.0.
ISC XI 18 16 44 29.1–1.3 23.64N–.02 121.71E–.02 35–1 248 0-4
JMA XI 18 16 44 27.7–.19 23.6N–.70 122E–2.0 45–3 2.8 ¶626604394
TAP XI 18 16 44 28.5 23.65N 121.67E 44–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XI 14 09 38 21.4–.83 23.45N–.01 121.64E–.02 27 299 0-5
JMA XI 14 09 38 21.8–.12 23.4N–.70 122E–2.0 43–2 3.6 ¶626604243
TAP XI 14 09 38 22.9 23.48N 121.57E 43–0 4.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP XI 18 07 08 28.0 23.24N 120.42E 9–0 3.7L
¶626604376
TAP B.
ISC XI 10 21 07 59.3–1.2 24.59N–.02 121.79E–.02 66–4 254 0-4
JMA XI 10 21 07 58.4–.20 24.5N–.50 121.8E–.70 70–2 3.2 ¶626604114
TAP XI 10 21 07 59.2 24.57N 121.78E 62–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP XI 09 19 10 35.6 23.47N 120.48E 8–0 1.8L
¶626604082
TAP B.
ISC XI 12 15 05 25.8–.71 24.20N–.01 121.83E–.02 17 237 0-4
JMA XI 12 15 05 26.0–.20 24N–1.0 122E–1.0 22–2 2.8 ¶626604163
TAP XI 12 15 05 26.2 24.23N 121.80E 18–0 3.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XI 14 13 05 15.0–.33 24.60N–.02 121.97E–.02 73–2 4.9b 725 0-167
BJI XI 14 13 05 12.5 24.50N 122.04E 57 5.4b,5.0L ¶621403064
NIED XI 14 13 05 14.2 24.54N 121.92E 76 4.9W,5.0L
NEIC XI 14 13 05 14.8–1.1 24.56N–.04 121.98E–.05 71–4 5.0b,5.0L
JMA XI 14 13 05 14.2–.17 24.5N–.50 121.9E–.50 76–1 5.0,4.6
ASIES XI 14 13 05 15.5 24.58N 121.94E 67 4.9W,4.6
TAP XI 14 13 05 15.2 24.57N 121.94E 66–0 5.5L,4.6
IDC XI 14 13 05 16.0–.55 24.61N 122.08E 81–4 4.6s,4.5
GFZ XI 14 13 05 16.3–.22 24N–3.0 122E–3.0 62–2 5.8b,5.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.43 $M_{\theta\theta}$2.43 $M_{\phi\phi}$-1.00 $M_{r\theta}$0.98 $M_{\theta\phi}$-1.18 $M_{\phi r}$-0.73 NP1:ϕ_s73.00000°,δ41.00000°,λ-143.00000°. NP2:ϕ_s313.00000° ,δ66.00000°,λ-55.00000°. M_o2.53000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. NP1:ϕ_s53.00000°,δ32.00000°,λ144.00000°. NP2:ϕ_s175.00000° ,δ72.00000°,λ63.00000°.

TAP B.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 27 08 58 25.1–1.2 24.60N–.02 121.79E–.02 68–4 241 0-3
JMA XI 27 08 58 24.6–.15 24.6N–.30 121.8E–.50 66–1 2.6 **¶626604687**
TAP XI 27 08 58 25.1 24.57N 121.78E 64–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP XI 24 00 33 47.6 23.03N 121.15E 14–0 3.7L
¶626604572
TAP B.
ISC XI 25 07 38 21.5–1.3 24.68N–.03 121.85E–.03 69–5 160 0-3
JMA XI 25 07 38 20.7–.21 24.6N–.50 121.8E–.60 69–2 2.8 **¶626604613**
TAP XI 25 07 38 21.2 24.67N 121.82E 65–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XI 21 21 32 27.9–1.2 24.56N–.02 121.79E–.02 68–4 297 0-4
TAP XI 21 21 32 28.0 24.53N 121.78E 62–0 3.9L **¶626604497**
JMA XI 21 21 32 27.3–.19 24.5N–.40 121.8E–.70 68–2 3.5
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP XI 26 15 50 48.4 23.46N 121.49E 29–0 2.3L
¶626604639
TAP D.
ISC XII 01 17 10 03.0–1.2 24.76N–.03 121.93E–.02 89–4 290 0-4
TAP XII 01 17 10 03.6 24.73N 121.92E 82–0 3.9L **¶626604940**
JMA XII 01 17 10 03.4–.22 24.7N–.60 121.9E–.60 83–2 2.8
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC XI 28 23 11 27.1–.60 24.18N–.01 121.73E–.02 33–3 4.0b,3.3s 313 0-83
IDC XI 28 23 11 22.1–.72 24.19N 121.86E 0 3.9,3.8b **¶621615778**
NEIC XI 28 23 11 26.8–1.3 24.15N–.03 121.80E–.04 34–5 4.3b,3.8b
NIED XI 28 23 11 27.2 24.15N 121.68E 33 4.0W,3.8b
TAP XI 28 23 11 27.6 24.19N 121.67E 32–0 4.6L,3.8b
JMA XI 28 23 11 27.2–.09 24.1N–.40 121.7E–.70 33–0 3.6,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.51 $M_{\theta\theta}$0.39 $M_{\phi\phi}$0.12 $M_{r\theta}$0.58 $M_{\theta\phi}$0.40 $M_{\phi r}$0.60 NP1:ϕ_s69.00000°,δ19.00000°,λ-67.00000°. NP2:ϕ_s225.00000° ,δ73.00000°,λ-98.00000°. $M_0$1.03000×10^{15}
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC XI 28 09 36 04.9–.86 23.32N–.02 121.61E–.02 27 252 0-5
JMA XI 28 09 36 04.5–.34 23N–1.0 122E–2.0 47 3.2 **¶626604816**
TAP XI 28 09 36 06.8 23.35N 121.51E 36–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XI 30 01 44 55.9–.80 24.45N–.01 121.89E–.02 17–2 209 0-4
TAP XI 30 01 44 55.6 24.47N 121.85E 22–0 3.8L **¶626604891**
JMA XI 30 01 44 55.7–.13 24.4N–.70 122E–1.0 31–4 3.3
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC XII 06 08 29 07.3–.72 24.10N–.02 121.67E–.02 32–4 3.5b 266 0-83
IDC XII 06 08 29 01.6–1.4 23.99N 121.78E 0 3.5b,3.5 **¶621632590**
JMA XII 06 08 29 05.7–.19 24.0N–.90 121.6E–.90 35–0 3.4,3.5
TAP XII 06 08 29 07.1 24.14N 121.67E 31–0 4.2L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=50.2km s-min=26.3km az=86.0.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XII 02 08 35 20.1–.76 23.71N–.01 121.53E–.02 12–3 189 0-3
JMA XII 02 08 35 19.2–.19 23.7N–.60 122E–2.0 0 **¶626604969**
TAP XII 02 08 35 20.3 23.74N 121.47E 8–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XII 15 18 41 10.9–.78 23.86N–.01 121.46E–.01 17–5 236 0-4
TAP XII 15 18 41 11.0 23.87N 121.44E 19–0 3.6L **¶626605420**
JMA XII 15 18 41 10.3–.09 23.8N–.50 122E–2.0 15–2 2.7
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP XII 08 16 17 49.0 23.29N 121.97E 45–0 3.0L
¶626605239
TAP C.
ISC XII 07 16 45 47.6–.76 23.36N–.01 121.56E–.02 33–2 3.5b 287 0-79
IDC XII 07 16 45 43.5–.92 23.32N 121.45E 0 3.7,3.6b **¶621632679**
JMA XII 07 16 45 47.7–.09 23.4N–.60 121E–1.0 40–1 3.9,3.6b
TAP XII 07 16 45 48.7 23.38N 121.44E 33–0 4.2L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=18.4km az=67.0.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XII 08 02 39 28.3–.87 24.48N–.02 121.93E–.02 18–2 130 0-2
TAP XII 08 02 39 28.5 24.49N 121.86E 24–0 3.6L **¶626605227**
JMA XII 08 02 39 28.3–.12 24.4N–.40 121.9E–.60 28 2.8
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC XII 10 00 44 00.3–1.5 24.91N–.03 121.91E–.04 117–6 216 0-3
JMA XII 10 00 44 01.8–.21 24.8N–.60 121.9E–.60 105–2 2.7 **¶626605270**
TAP XII 10 00 44 01.6 24.88N 121.90E 107–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XII 29 11 53 31.9–1.2 24.60N–.02 121.79E–.02 68–5 216 0-3
TAP XII 29 11 53 31.6 24.57N 121.78E 66–0 3.7L **¶626605942**
JMA XII 29 11 53 31.9–.27 24.6N–.60 121.8E–.90 61–3 2.6
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC XII 23 03 50 07.1–.87 23.30N–.02 121.53E–.02 33–6 226 0-5
JMA XII 23 03 50 05.9–.18 23.3N–.50 122E–1.0 21–4 3.4 **¶626605746**
TAP XII 23 03 50 07.1 23.33N 121.48E 34–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XII 16 01 38 09.9–.83 24.04N–.01 121.51E–.02 18–2 203 0-4
TAP XII 16 01 38 09.9 24.05N 121.51E 19–0 3.6L **¶626605440**
ISC Event type se.
TAP B.
TAP XII 22 11 08 41.4 23.92N 121.70E 24–0 3.8L
¶626605716
TAP B.
ISC XII 29 06 35 08.2–.95 23.17N–.02 121.63E–.02 31–8 198 0-4
JMA XII 29 06 35 07.2–.10 23.2N–.60 122E–2.0 50–2 3.4 **¶626605935**
TAP XII 29 06 35 08.2 23.20N 121.58E 39–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XII 21 10 59 31.7–.65 23.13N–.01 120.52E–.01 15–3 3.6b,3.3s 270 0-84
IDC XII 21 10 59 28.6–.82 23.10N 120.69E 0 3.7,3.6b **¶621635091**
ASIES XII 21 10 59 30.5 23.11N 120.51E 9 4.2W,3.6b
JMA XII 21 10 59 30.4–.16 23.2N–.30 120.5E–.60 0 4.5,3.6b
NIED XII 21 10 59 30.4 23.18N 120.48E 0 4.5W,3.6b
TAP XII 21 10 59 30.8 23.12N 120.52E 10–0 4.7L,3.6b
BJI XII 21 10 59 31.7 23.15N 120.47E 13 4.7b,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=17.9km az=80.0.
ASIES Moment Tensor Solution. NP1:ϕ_s175.00000°,δ71.00000°,λ17.00000°. NP2:ϕ_s80.00000° ,δ74.00000°,λ160.00000°.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.70 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$1.73 $M_{r\theta}$-4.97 $M_{\theta\phi}$2.60 $M_{\phi r}$-1.46 NP1:ϕ_s169.00000°,δ29.00000°,λ-172.00000°. NP2:ϕ_s72.00000° ,δ86.00000°,λ-61.00000°. $M_0$5.99000×10^{15}
TAP B.
ISC XII 22 18 20 15.8–1.2 24.36N–.02 121.75E–.02 48–4 246 0-4
JMA XII 22 18 20 14.3–.19 24.3N–.60 121.7E–.90 59–1 3.1 **¶626605731**
TAP XII 22 18 20 15.1 24.36N 121.72E 51–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XII 29 20 15 02.0–.96 23.67N–.01 121.64E–.02 34–1 255 0-5
JMA XII 29 20 15 00.9–.18 23.6N–.60 122E–2.0 36–2 **¶626605954**
TAP XII 29 20 15 01.5 23.67N 121.62E 42–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC XII 31 08 01 10.5–.81 24.05N–.02 121.66E–.02 11–4 78 0-2
TAP XII 31 08 01 10.9 24.06N 121.66E 8–0 3.3L **¶626606026**
JMA XII 31 08 01 10.1–.23 24.0N–.50 122E–2.0 0 3.3L
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC XII 31 08 01 14.4–.81 24.05N–.02 121.67E–.02 9–5 160 0-3
TAP XII 31 08 01 14.0 24.05N 121.67E 8–0 4.0L **¶626606029**
JMA XII 31 08 01 14.1–.21 24.1N–.40 121.7E–.60 0–1 3.2
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .

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ISC VII 05 00 16 34.8–.66 26.37N–.06 125.96E–.04 138–7 3.8b 90 1-88
IDC VII 05 00 16 33.1–2.9 26.13N 125.83E 130–20 3.9,3.5b **¶620927917**
JMA VII 05 00 16 35.0–.30 26N–2.0 126E–2.0 132–3 3.8,3.5b
NEIC VII 05 00 16 34.5–.90 26.3N–.10 125.93E–.08 134–9 4.1b,3.5b
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA VIII 16 21 19 29.6–.17 25N–2.0 123.3E–.70 180–3 2.4
¶626714512
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC X 10 15 22 41.0–.64 25.22N–.06 124.67E–.04 93–6 4.2b 92 1-87
IDC X 10 15 22 42.0–3.4 25.25N 124.67E 102–34 3.8,3.5b **¶621235392**
NEIC X 10 15 22 41.1–1.2 25.23N–.08 124.72E–.08 89–7 4.4b,3.5b
JMA X 10 15 22 41.9–.14 25N–1.0 124.7E–.60 89–2 3.5,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC VIII 26 03 04 22.6–.34 25.05N–.03 123.42E–.03 133–3 4.7b 534 1-112
NEIC VIII 26 03 04 21.6–1.4 25.09N–.06 123.42E–.06 122–4 4.8b **¶621007939**
GFZ VIII 26 03 04 22.6–.23 25N–3.0 123E–2.0 123–2 5.0b,5.0
IDC VIII 26 03 04 22.4–.62 25.10N 123.44E 132–4 4.7,4.2b
GCMT VIII 26 03 04 23.2–.50 25.14N–.03 123.55E–.03 132–4 5.0W,4.2b
NIED VIII 26 03 04 23.1 24.97N 123.41E 120 4.8W,4.2b
JMA VIII 26 03 04 23.1–.16 25N–1.0 123.4E–.40 120–2 5.1,4.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108260304A. Moment Tensor Solution. s10,c10; s64,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.18 $M_{\theta\theta}$-1.74±.20; $M_{\phi\phi}$1.88±.21; $M_{r\theta}$-1.37±.12; $M_{\theta\phi}$-3.15±.22; $M_{\phi r}$-1.64±.13; Best double couple: NP1:ϕ_s108.00000° ,δ64.00000°,λ-170.00000°. NP2:ϕ_s13.00000°,δ81.00000°,λ-27.00000°. Principal axes: T 3.8590,Plg12.0000°,Azm63.0000°; N 0.6450,Plg62.0000°,Azm177.0000° ; P -4.5000,Plg25.0000°,Azm328.0000° $M_0$4.18000×10^{16}
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{16}Nm; M_{rr}0.21 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.52 $M_{r\theta}$-1.36 $M_{\theta\phi}$-0.78 $M_{\phi r}$-1.32 NP1:ϕ_s113.00000°,δ22.00000°,λ164.00000°. NP2:ϕ_s218.00000° ,δ84.00000°,λ69.00000°. $M_0$2.08000×10^{16}
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
ISC VIII 27 11 31 33.4–.96 25.7N–.20 123.87E–.09 176–19 3.4b 34 1-43
JMA VIII 27 11 31 36.3–.20 26N–1.0 123.9E–.80 163 3.6 **¶621072146**
IDC VIII 27 11 31 36.8–6.5 25.37N 124.79E 270–180 3.6,3.0b
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=232.6km s-min=85.1km az=108.0.
ISC X 06 18 27 53.3–.86 26.3N–.20 124.7E–.10 175–21 3.5b 41 1-71
JMA X 06 18 27 55.3–.28 26N–2.0 125E–1.0 162 3.8 **¶621217164**
IDC X 06 18 28 03.7–37 26.42N 124.96E 276–214 3.9,3.3b
ISC Event type ke.
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
IDC Error ellipse: s-maj=399.0km s-min=82.2km az=173.0.
ISC X 31 00 43 10.5–.94 26.1N–.10 124.29E–.07 210–10 3.4b 43 1-50
IDC X 31 00 43 11.3–2.6 26.22N 124.59E 224–38 3.6,2.9b **¶621395211**
JMA X 31 00 43 12.3–.25 26N–1.0 124E–1.0 180 3.8,2.9b
ISC Event type ke.
JMA Event type ke. EAST CHINA SEA REGION .
ISC XII 11 14 51 10.2–.73 25.44N–.09 123.81E–.05 116–10 3.9b 38 1-81
IDC XII 11 14 51 10.3–3.6 25.55N 123.96E 118–35 3.9,3.5b **¶621644196**
JMA XII 11 14 51 11.7–.17 25N–2.0 123.9E–.50 123–2 3.7,3.5b
NIED XII 11 14 51 11.7 25.16N 123.85E 123 3.8W,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=20.3km az=48.0.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.83 $M_{\theta\theta}$-2.45 $M_{\phi\phi}$4.28 $M_{r\theta}$-0.72 $M_{\theta\phi}$-3.00 $M_{\phi r}$-2.33 NP1:ϕ_s116.00000°,δ56.00000°,λ-166.00000°. NP2:ϕ_s18.00000° ,δ78.00000°,λ-34.00000°. $M_0$5.24000×10^{14}
ISC XI 05 18 27 56.7–1.0 26.36N–.08 124.81E–.08 150 3.3b 29 2-50
IDC XI 05 18 27 45.0–1.3 25.35N 124.18E 0 3.8L,3.6 **¶621413985**
JMA XI 05 18 27 57.1–.30 26N–2.0 125E–2.0 168 3.3,3.6
ISC Event type ke.
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
ISC XI 24 09 28 57.6–.61 27.34N–.05 125.98E–.05 250–6 4.3b 139 1-78
JMA XI 24 09 28 57.5–.24 28N–1.0 126E–2.0 242 4.6 **¶621453088**
NEIC XI 24 09 28 58.3–1.0 27.35N–.09 126.03E–.10 251–8 4.3b
IDC XI 24 09 28 59.5–1.3 27.42N 126.13E 269–13 4.3,3.6b
ISC Event type ke.
JMA Event type ke. EAST CHINA SEA REGION .
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.4km az=139.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.2km s-min=9.9km az=87.0.
ISC XII 03 11 25 10.6–.85 26.28N–.09 124.40E–.07 199–10 3.2b 42 2-93
IDC XII 03 11 25 07.7–3.4 26.20N 123.97E 170–38 3.7,3.3b **¶621630592**
JMA XII 03 11 25 12.6–.28 26N–2.0 124E–1.0 182 4.6,3.3b
ISC Event type ke.
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
ISC XI 05 08 05 43.6–.97 25.3N–.10 123.22E–.08 169–9 3.0b 24 1-50
IDC XI 05 08 05 26.5–1.3 25.01N 122.62E 0 3.7L,3.5 **¶621413959**
JMA XI 05 08 05 44.7–.21 25N–2.0 123.3E–.60 173–2 3.6,3.5
ISC Event type ke.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XI 18 03 15 35.1–.68 25.16N–.08 124.24E–.05 125–7 3.9b 63 1-95
IDC XI 18 03 15 32.8–5.8 25.11N 124.05E 99–63 3.9,3.6b **¶621532457**
NEIC XI 18 03 15 34.7–.85 25.19N–.07 124.29E–.08 118–8 4.1b,3.6b
JMA XI 18 03 15 36.4–.16 25N–2.0 124.2E–.60 118–2 3.6,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA XII 28 20 32 16.0–.22 25.1N–.70 123.6E–.30 20–3 3.9,3.3
NIED XII 28 20 32 16.0 25.07N 123.59E 20 3.9W,3.3 **¶621748761**
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-8.12 $M_{\theta\theta}$7.19 $M_{\phi\phi}$0.93 $M_{r\theta}$2.02 $M_{\theta\phi}$1.26 $M_{\phi r}$0.13 NP1:ϕ_s77.00000°,δ38.00000°,λ-93.00000°. NP2:ϕ_s261.00000° ,δ52.00000°,λ-88.00000°. M_o8.03000×10^{14}
ISC XII 29 09 08 07.4–2.1 25.05N–.08 123.57E–.06 8–14 3.3b 18 1-49
IDC XII 29 09 08 07.0–6.0 24.98N 123.36E 0 3.4b,3.4 **¶621724195**
JMA XII 29 09 08 07.9–.24 25.1N–.80 123.6E–.30 18–4 2.9,3.4
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XII 31 23 28 25.4–1.6 25.01N–.08 123.54E–.04 20–6 3.3b 18 1-49
IDC XII 31 23 28 21.4–6.9 25.41N 124.34E 0 3.5b,3.5 **¶621726097**
JMA XII 31 23 28 23.9–.23 25.1N–.90 123.5E–.40 18 3.1,3.5
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA XII 29 18 16 18.7–.20 25.1N–.70 123.6E–.30 20–3 2.2
¶636235722
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC XII 31 00 22 46.4–1.7 25.04N–.06 123.59E–.04 6–11 3.7b,3.4s 26 1-74
NIED XII 31 00 22 46.3 25.10N 123.54E 19 4.3W,3.4s **¶621726038**
JMA XII 31 00 22 46.3–.21 25.1N–.70 123.5E–.30 19–3 3.6,3.4s
IDC XII 31 00 23 12.5–5.2 24.98N 123.31E 249–57 3.7,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.05 $M_{\theta\theta}$2.85 $M_{\phi\phi}$0.20 $M_{r\theta}$1.16 $M_{\theta\phi}$0.95 $M_{\phi r}$0.05 NP1:ϕ_s67.00000°,δ35.00000°,λ-99.00000°. NP2:ϕ_s258.00000° ,δ55.00000°,λ-84.00000°. M_o3.31000×10^{15}
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=30.0km s-min=13.2km az=67.0.

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ISC VII 03 09 57 45.2–1.7 24.22N–.05 125.17E–.04 17–10 4.4b,3.3s 111 1-85
BJI VII 03 09 57 42.7 24.15N 125.22E 8 4.4b,4.3b **¶626138906**
IDC VII 03 09 57 42.9–.74 24.26N 124.97E 0 4.0b,3.9
GFZ VII 03 09 57 44.5–.28 24N–3.0 125E–3.0 10 4.6b,4.3
NEIC VII 03 09 57 45.5–1.1 24.25N–.09 125.17E–.07 10–1 4.6b,4.3
JMA VII 03 09 57 47.1–.25 24.3N–1.0 125.2E–.70 30 4.1,3.8
NIED VII 03 09 57 47.1 24.25N 125.19E 30 4.1W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=16.1km az=113.0.
GFZ Error ellipse: s-maj=8.0km s-min=6.6km az=132.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=9.8km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.01 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.08 $M_{r\theta}$1.50 $M_{\theta\phi}$-0.61 $M_{\phi r}$0.70 NP1:ϕ_s168.00000°,δ17.00000°,λ9.00000°. NP2:ϕ_s70.00000° ,δ87.00000°,λ107.00000°. M_o1.74000×10^{15}
ISC VII 04 11 13 23.4–3.4 23.13N–.07 125.13E–.07 15–23 24 2-47
JMA VII 04 11 13 25.9–.27 23N–1.0 125.1E–.70 57 3.2 **¶620927871**
ISC Event type se.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
ISC VII 05 19 26 20.3–1.8 23.4N–.10 124.27E–.05 63–16 3.8b 30 1-74
JMA VII 05 19 26 13.5–.30 23N–1.0 124.3E–.90 67 3.3 **¶620927983**
IDC VII 05 19 26 13.4–1.0 23.43N 124.06E 0 3.7b,3.7
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
IDC Error ellipse: s-maj=21.5km s-min=20.6km az=129.0.
JMA VII 06 16 26 29.1–.19 24.8N–.70 125.4E–.80 43–1 1.5
¶626142016
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
JMA VII 09 00 45 06.5–.14 25N–1.0 124.5E–.50 17–1 2.6
¶626034834
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC VII 12 00 30 09.3–1.2 23.9N–.20 123.35E–.07 36–3 3.7b 28 0-84
JMA VII 12 00 30 09.5–.24 24N–1.0 123.4E–.50 26–2 3.9,3.5 **¶620928450**
NIED VII 12 00 30 09.5 23.85N 123.39E 26 3.9W,3.5
IDC VII 12 00 30 37.3–3.4 25.79N 123.27E 203–35 3.7,3.2b
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}4.16 $M_{\theta\theta}$-4.75 $M_{\phi\phi}$0.59 $M_{r\theta}$5.45 $M_{\theta\phi}$-2.50 $M_{\phi r}$5.11 NP1:ϕ_s273.00000°,δ21.00000°,λ132.00000°. NP2:ϕ_s49.00000° ,δ74.00000°,λ75.00000°. M_o9.03000×10^{14}
IDC Error ellipse: s-maj=39.0km s-min=26.3km az=91.0.
JMA VII 14 12 01 20.2–.17 24N–2.0 123.6E–.60 7
¶626327118
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA VII 17 23 31 54.0–.17 24.3N–.90 123.5E–.50 20–3 1.5
¶626517518
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA VII 20 08 37 44.5–.08 24.1N–.30 123.5E–.20 21–1 2.4
¶626517539
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC VII 26 00 32 06.4–1.1 24.02N–.08 126.00E–.05 20–8 4.0b 76 1-81
IDC VII 26 00 32 04.3–.88 24.05N 125.68E 0 3.9b,3.9 **¶620970677**
NEIC VII 26 00 32 05.1–1.6 24.0N–.10 125.94E–.07 10–1 4.5b,3.9
JMA VII 26 00 32 08.3–.21 24N–2.0 126E–1.0 80–3 3.7,3.9
NIED VII 26 00 32 08.3 24.12N 125.90E 80 4.1W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=14.4km az=129.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=10.1km az=347.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.15 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-0.43 $M_{r\theta}$1.33 $M_{\theta\phi}$0.36 $M_{\phi r}$0.29 NP1:ϕ_s40.00000°,δ11.00000°,λ-130.00000°. NP2:ϕ_s261.00000° ,δ82.00000°,λ-83.00000°. M_o1.43000×10^{15}
ISC VII 24 23 22 52.4–.49 25.86N–.04 125.59E–.03 110–4 4.5b 349 1-101
BJI VII 24 23 22 47.1 25.44N 125.89E 109 4.9b,4.4b **¶620845806**
NIED VII 24 23 22 51.6 25.91N 125.54E 105 4.6W,4.4b
IDC VII 24 23 22 51.3–1.6 25.91N 125.46E 101–14 4.4,4.1b
NEIC VII 24 23 22 51.4–1.6 25.93N–.07 125.56E–.07 95–6 4.6b,4.1b
JMA VII 24 23 22 51.6–.18 26N–2.0 126E–2.0 105–4 4.6,4.1b
GFZ VII 24 23 22 52.9–.27 26N–4.0 126E–4.0 115 4.7b,4.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.42 $M_{\theta\theta}$-8.34 $M_{\phi\phi}$7.92 $M_{r\theta}$-2.14 $M_{\theta\phi}$0.71 $M_{\phi r}$-3.38 NP1:ϕ_s136.00000°,δ65.00000°,λ174.00000°. NP2:ϕ_s229.00000° ,δ84.00000°,λ25.00000°. M_o9.09000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT IX 14 06 32 45.7–.50 23.46N–.04 123.74E–.05 28–1 4.9W
GCMT IX 14 06 32 48.0 23.75N 123.25E 10 4.8s **¶621717510**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202109140632A. Moment Tensor Solution. s20,c27; s58,c82;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.30±.22 $M_{\theta\theta}$-1.45±.14; $M_{\phi\phi}$-0.85±.14; $M_{r\theta}$1.50±.19; $M_{\theta\phi}$-0.59±.07; $M_{\phi r}$1.20±.23; Best double couple: NP1:ϕ_s241.00000°,δ24.00000°,λ96.00000°. NP2:ϕ_s54.00000°,δ67.00000°,λ87.00000°. Principal axes: T 3.0610,Plg68.0000°,Azm319.0000°; N -0.4970,Plg2.0000°,Azm55.0000° ; P -2.5640,Plg21.0000°,Azm146.0000° M_o2.81300×10^{16}

JMA VIII 21 15 41 40.8–.21 25N–1.0 123.4E–.30 30 1.0
¶626302039
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA VIII 30 18 18 37.9–.07 24.4N–.30 123.5E–.20 18–1 1.7
¶626676991
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA VIII 16 07 40 13.4–.23 24.1N–.60 123.8E–.60 21–1 2.0
¶626714508
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC VIII 23 19 19 23.9–1.3 23.92N–.06 123.64E–.03 32–9 3.8b,3.1s 50 0-79
IDC VIII 23 19 19 20.0–.93 24.02N 123.38E 0 3.9b,3.9 **¶621024203**
NEIC VIII 23 19 19 23.9–1.4 23.82N–.08 123.62E–.07 31–7 4.2b,3.9
JMA VIII 23 19 19 25.1–.22 24N–1.0 123.6E–.50 31–1 3.7,3.9
NIED VIII 23 19 19 25.1 23.97N 123.58E 31 3.9W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=20.4km az=55.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.5km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}4.69 $M_{\theta\theta}$-5.09 $M_{\phi\phi}$0.39 $M_{r\theta}$4.35 $M_{\theta\phi}$-3.24 $M_{\phi r}$4.07 NP1:ϕ_s267.00000°,δ25.00000°,λ125.00000°. NP2:ϕ_s49.00000° ,δ69.00000°,λ75.00000°. M_o8.28000×10^{14}
JMA IX 02 04 17 14.0–.07 24N–1.0 123.5E–.20 14–1 1.2
¶635706671
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA VIII 01 03 18 39.1–.13 24.7N–.50 125.2E–.40 33–1 3.6
NIED VIII 01 03 18 39.1 24.66N 125.22E 33 3.6W **¶621030494**
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.04 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$1.16 $M_{r\theta}$2.00 $M_{\theta\phi}$-1.29 $M_{\phi r}$0.32 NP1:ϕ_s179.00000°,δ42.00000°,λ-25.00000°. NP2:ϕ_s288.00000° ,δ74.00000°,λ-129.00000°. M_o2.58000×10^{14}
JMA IX 02 08 11 23.6–.07 24.4N–.30 123.5E–.20 19–1 3.7
NIED IX 02 08 11 23.6 24.36N 123.53E 19 3.6W **¶621146454**
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.95 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$2.09 $M_{r\theta}$1.17 $M_{\theta\phi}$-0.77 $M_{\phi r}$-1.27 NP1:ϕ_s181.00000°,δ30.00000°,λ-58.00000°. NP2:ϕ_s326.00000° ,δ65.00000°,λ-107.00000°. M_o2.76000×10^{14}
JMA X 24 12 02 17.8–.08 24.3N–.50 123.5E–.30 14–2 1.3
¶635740801
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC IX 17 11 02 04.5–.90 24.22N–.06 124.03E–.04 27–6 3.7b 20 0-49
JMA IX 17 11 02 04.2–.07 24.2N–.30 124.1E–.30 27–0 3.4 **¶621112954**
IDC IX 17 11 02 09.3–9.6 24.40N 124.12E 75–106 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NEAR ISHIGAKIJIMA ISLAND.
IDC Error ellipse: s-maj=69.3km s-min=26.4km az=58.0.
ISC X 05 18 42 19.7–.64 25.71N–.04 125.14E–.05 10 4.0b 41 1-56
IDC X 05 18 42 18.6–.94 25.77N 125.00E 0 3.8b,3.7 **¶621203188**
NEIC X 05 18 42 19.9–1.0 25.76N–.06 125.20E–.08 10–1 4.2b,3.7
JMA X 05 18 42 21.0–.28 25.7N–.70 124.9E–.80 16–3 3.6,3.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
JMA X 20 14 39 06.9–.17 25N–1.0 123.4E–.30 33–3 1.5
¶635806539
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA X 24 06 12 37.3–.20 24.3N–.30 123.8E–.60 17–1 1.2
¶635806538
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC IX 21 04 38 10.3–.62 24.94N–.06 124.88E–.04 83–5 4.1b 73 0-88
NEIC IX 21 04 38 08.8–1.8 24.90N–.09 124.94E–.02 65–8 4.4b **¶621094762**
JMA IX 21 04 38 10.9–.13 25N–1.0 124.8E–.50 68–1 4.0,3.8
IDC IX 21 04 38 14.4–3.2 25.21N 125.17E 120–37 3.9,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=2.5km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
IDC Error ellipse: s-maj=36.7km s-min=14.9km az=62.0.
ISC IX 29 22 40 22.6–1.9 25.0N–.10 125.7E–.20 34–4 3.5b 20 0-73
IDC IX 29 22 40 23.0–13 25.79N 125.40E 0 3.5b,3.5 **¶626513187**
JMA IX 29 22 40 23.4–.17 24.9N–.90 125.7E–.90 47–1 3.1,3.5
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC X 05 17 30 28.3–.36 25.65N–.02 125.11E–.03 13–2 5.5b,5.2s 1119 1-176
BJI X 05 17 30 25.7 25.51N 125.15E 14 5.6s,5.6L **¶621125913**
IDC X 05 17 30 26.0–.41 25.70N 124.98E 0 4.9b,4.9
MOS X 05 17 30 25.8–1.1 25.64N 124.98E 10 5.6b,5.2s
BGR X 05 17 30 26.4 25.04N 126.13E 33 5.3b,5.2s
NEIC X 05 17 30 27.2 25.72N 125.02E 8 5.3b,5.2s
NEIC X 05 17 30 27.2–1.8 25.72N–.07 125.02E–.05 8–3 5.6b,5.2
NEIC X 05 17 30 27.6 25.74N 125.04E 9 5.6b,5.2
NIED X 05 17 30 27.4 25.72N 124.99E 24 5.2W,5.2
JMA X 05 17 30 27.4–.23 25.7N–.80 125.0E–.90 24 5.5,5.3W
GFZ X 05 17 30 28.6 25.76N 125.05E 10 5.3W,5.3W
GFZ X 05 17 30 29.5–.22 26N–3.0 125E–3.0 10 5.7b,5.3
GCMT X 05 17 30 29.6–.10 25.61N–.01 124.89E–.01 12 5.3W,5.3
KEA X 05 17 30 35.8 25.78N 125.00E 33 5.0s,5.3
NEIC X 05 17 30 38.4 25.74N 125.04E 12 5.4,5.3
ISC Event type ke.
IDC Error ellipse: s-maj=10.6km s-min=10.1km az=35.0.
MOS Error ellipse: s-maj=6.1km s-min=3.8km az=112.9.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.3km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.55 $M_{\theta\theta}$3.57 $M_{\phi\phi}$0.98 $M_{r\theta}$-2.50 $M_{\theta\phi}$6.10 $M_{\phi r}$-3.35 NP1:ϕ_s259.57000°,δ35.32000°,λ-47.50000°. NP2:ϕ_s31.24000°,δ64.77000° ,λ-115.58000°. Principal axes: T 9.6706,Plg16.0000°,Azm140.0000°; N -3.5191,Plg23.0000° ,Azm43.0000°; P -6.1514,Plg61.0000°,Azm262.0000° M_o8.48000×10^{16}
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.16 $M_{\theta\theta}$5.56 $M_{\phi\phi}$1.60 $M_{r\theta}$-0.97 $M_{\theta\phi}$4.30 $M_{\phi r}$-1.65 NP1:ϕ_s245.00000°,δ39.00000°,λ-78.00000°. NP2:ϕ_s50.00000° ,δ52.00000°,λ-100.00000°. M_o7.98000×10^{16}
JMA Event type fe. NW OFF MIYAKOJIMA ISLAND.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.56 $M_{\theta\theta}$6.70 $M_{\phi\phi}$1.85 $M_{r\theta}$-0.35 $M_{\theta\phi}$5.56 $M_{\phi r}$-1.11 NP1: ϕ_s50.86512°,δ48.03995°,λ-98.14243°. NP2:ϕ_s242.94371°,δ42.59849°,λ-81.04823°. Principal axes: T 10.3882,Plg2.7359°,Azm146.6195°; N -1.7122,Plg6.0457°,Azm56.3296° ; P -8.6760,Plg83.3599°,Azm260.8550° M_o9.64676×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110051730A. Moment Tensor Solution. s100,c177; s121,c241;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.03±.02 $M_{\theta\theta}$0.94±.02; $M_{\phi\phi}$0.09±.02; $M_{r\theta}$0.34±.05; $M_{\theta\phi}$0.75±.02; $M_{\phi r}$0.49±.05; Best double couple: NP1:ϕ_s77.00000° ,δ35.00000°,λ-63.00000°. NP2:ϕ_s225.00000°,δ59.00000°,λ-108.00000°. Principal axes: T 1.4950,Plg12.0000°,Azm328.0000°; N -0.2780,Plg15.0000°,Azm235.0000° ; P -1.2140,Plg71.0000°,Azm96.0000° M_o1.35400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.91 $M_{\theta\theta}$0.88 $M_{\phi\phi}$0.03 $M_{r\theta}$0.52 $M_{\theta\phi}$0.81 $M_{\phi r}$-0.23 NP1:ϕ_s30.40000°,δ45.21000° ,λ-135.30000°. NP2:ϕ_s265.52000°,δ60.05000°,λ-54.40000°. Principal axes: T 1.4178,Plg8.0000°,Azm331.0000°; N -0.1818,Plg30.0000°,Azm66.0000° ; P -1.2360,Plg58.0000°,Azm227.0000° M_o1.34000×10^{17}
ISC X 05 18 03 43.8–.59 25.59N–.03 125.16E–.03 19–2 5.2b,4.6s 824 1-165
BJI X 05 18 03 38.8 25.34N 125.23E 5 5.5b,5.3s **¶621125922**
MOS X 05 18 03 41.5–.98 25.63N 124.99E 13 5.3b,5.3s

NEIC X 05 18 03 42.8 25.63N 125.04E 10 5.3b,5.3s
NEIC X 05 18 03 42.4 25.63N 125.07E 10 5.3b,5.3s
NEIC X 05 18 03 42.4–1.5 25.62N–.06 125.08E–.05 10–1 5.4b,5.0
JMA X 05 18 03 43.3–.28 26N–1.0 125E–1.0 29 5.4,5.2W
GFZ X 05 18 03 43.4 25.71N 125.15E 10 5.1W,5.2W
GFZ X 05 18 03 43.4–.14 26N–2.0 125E–3.0 10 5.7b,5.3
NIED X 05 18 03 43.3 25.70N 124.98E 29 5.0W,5.3
GCMT X 05 18 03 46.0–.20 25.59N–.01 124.95E–.02 15–0 5.2W,5.3
IDC X 05 18 03 48.1–2.1 25.70N 125.02E 49–20 4.6,4.4b
BGR X 05 18 03 51.5 25.73N 123.50E 33 5.2b,4.4b
NEIC X 05 18 03 51.8 25.53N 124.93E 12 5.1,4.4b
ISC Event type ke.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=115.6.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.8km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.55 $M_{\theta\theta}$2.67 $M_{\phi\phi}$0.88 $M_{r\theta}$-1.38 $M_{\theta\phi}$0.99 $M_{\theta r}$-1.12 NP1:ϕ_s59.59000°,δ58.94000°,λ-96.00000°. NP2:ϕ_s251.10000°,δ31.58000°,λ-80.16000°. Principal axes: T 3.5259,Plg14.0000°,Azm154.0000°; N 0.4887,Plg5.0000°,Azm63.0000°; P -4.0146,Plg75.0000°,Azm313.0000° $M_0$3.79000×10^{16}
JMA Event type fe. NW OFF MIYAKOJIMA ISLAND.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.94 $M_{\theta\theta}$3.80 $M_{\phi\phi}$1.15 $M_{r\theta}$1.12 $M_{\theta\phi}$2.14 $M_{\theta r}$0.18 NP1:ϕ_s56.50224°,δ39.08929°,λ-96.81200°. NP2:ϕ_s245.25167°,δ51.23853°,λ-84.49617°. Principal axes: T 5.0996,Plg6.0920°,Azm331.3408°; N -0.0122,Plg4.2891°,Azm61.7994°; P -5.0875,Plg82.5402°,Azm186.7433° $M_0$5.09356×10^{16}
GFZ Error ellipse: s-maj=5.8km s-min=4.5km az=83.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.13 $M_{\theta\theta}$3.19 $M_{\phi\phi}$0.94 $M_{r\theta}$0.02 $M_{\theta\phi}$1.62 $M_{\theta r}$-0.76 NP1:ϕ_s251.00000°,δ43.00000°,λ-77.00000°. NP2:ϕ_s54.00000°,δ48.00000°,λ-102.00000°. $M_0$4.15000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110051803A. Moment Tensor Solution. s52,c79; s126,c223; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.89±.26 $M_{\theta\theta}$5.51±.17; $M_{\phi\phi}$1.38±.15; $M_{r\theta}$0.04±.29; $M_{\theta\phi}$2.74±.09; $M_{\theta r}$0.08±.34; Best double couple: NP1:ϕ_s64.00000°,δ45.00000°,λ-89.00000°. NP2:ϕ_s243.00000°,δ45.00000°,λ-91.00000°. Principal axes: T 6.8760,Plg0.0000°,Azm333.0000°; N 0.0140,Plg0.0000°,Azm243.0000°; P -6.8910,Plg89.0000°,Azm94.0000° $M_0$6.88400×10^{16}
IDC Error ellipse: s-maj=16.0km s-min=11.2km az=65.0.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.57 $M_{\theta\theta}$4.68 $M_{\phi\phi}$0.89 $M_{r\theta}$-1.53 $M_{\theta\phi}$2.55 $M_{\theta r}$-2.09 NP1:ϕ_s254.75000°,δ35.17000°,λ-71.29000°. NP2:ϕ_s52.25000°,δ56.94000°,λ-102.73000°. Principal axes: T 6.4167,Plg11.0000°,Azm151.0000°; N -0.1659,Plg11.0000°,Azm59.0000°; P -6.2508,Plg75.0000°,Azm286.0000° $M_0$6.34000×10^{16}

ISC X 29 08 53 28.0–3.0 23.09N–.08 124.84E–.06 3–17 3.2b 25 1-47
IDC X 29 08 53 23.0–8.6 23.98N 126.96E 0 3.2b,3.2 **¶621391433**
JMA X 29 08 53 31.4–.32 23N–1.0 124.8E–.80 55 3.3,3.2
ISC Event type se.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.

ISC XI 10 16 03 27.5–1.9 23.42N–.06 125.92E–.05 15–11 3.8b 55 1-77
IDC XI 10 16 03 26.2–.82 23.31N 125.77E 0 3.8b,3.8 **¶621440067**
NEIC XI 10 16 03 27.7–2.5 23.5N–.10 125.88E–.07 10–2 4.1b,3.8
JMA XI 10 16 03 30.8–.25 24N–1.0 125.8E–.90 117 3.3,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .

ISC X 29 13 09 13.3–2.0 23.40N–.07 125.66E–.05 14–11 3.9s,3.7b 39 1-79
IDC X 29 13 09 11.8–.98 23.21N 125.54E 0 3.9,3.8b **¶621391441**
JMA X 29 13 09 15.9–.26 23N–1.0 125.6E–.90 101 3.2,3.8b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .

JMA XI 09 10 30 45.5–.13 24.2N–.60 123.3E–.30 27–2 2.9 ¶635837332

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

ISC XII 22 15 51 40.9–1.2 24.27N–.03 123.00E–.03 43–8 201 0-5
TAP XII 22 15 51 40.5 24.35N 122.99E 47–0 3.6L **¶626605725**
JMA XII 22 15 51 40.6–.10 24N–2.0 123.0E–.50 49–1 2.6
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

ISC XI 22 14 26 45.8–.64 24.27N–.04 123.40E–.03 48–5 4.5b,3.5s 255 0-110
GFZ XI 22 14 26 44.9–.70 24N–4.0 123E–5.0 35–5 5.6b,5.1 **¶621440147**
BJI XI 22 14 26 44.6 24.36N 123.42E 40 4.8b,4.3b
NIED XI 22 14 26 45.7 24.28N 123.44E 45 4.5W,4.3b
NEIC XI 22 14 26 45.7–1.3 24.27N–.06 123.41E–.06 43–5 4.6b,4.3b
JMA XI 22 14 26 45.7–.08 24.3N–.30 123.4E–.10 45–0 4.5,4.1
IDC XI 22 14 26 46.6–2.5 24.30N 123.28E 62–22 4.3,4.0b
ISC Event type ke.
GFZ Error ellipse: s-maj=9.8km s-min=7.4km az=74.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.81 $M_{\theta\theta}$-7.49 $M_{\phi\phi}$1.69 $M_{r\theta}$-2.42 $M_{\theta\phi}$1.20 $M_{\theta r}$-0.77 NP1:ϕ_s111.00000°,δ37.00000°,λ111.00000°. NP2:ϕ_s265.00000°,δ56.00000°,λ75.00000°. $M_0$7.23000×10^{15}
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.9km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR ISHIGAKIJIMA ISLAND.
IDC Error ellipse: s-maj=15.5km s-min=11.5km az=59.0.

ISC XII 15 18 47 52.8–.46 24.96N–.04 124.15E–.03 97–4 4.6b 327 0-81
BJI XII 15 18 47 49.8 24.81N 124.23E 93 4.5b,4.2b **¶621630884**
MOS XII 15 18 47 52.8–.79 25.02N 124.09E 110 4.7b,4.2b
GFZ XII 15 18 47 52.4–.16 25N–2.0 124E–3.0 104 4.5b,4.5
NEIC XII 15 18 47 53.3–1.3 25.04N–.07 124.10E–.07 94–6 4.7b,4.5
NIED XII 15 18 47 53.7 24.95N 124.10E 89 4.3W,4.5
IDC XII 15 18 47 53.4–.80 25.06N 124.14E 98–6 4.4,4.0b
JMA XII 15 18 47 53.7–.13 25N–1.0 124.1E–.50 89–1 4.3,4.1
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.43 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$0.08 $M_{r\theta}$-2.72 $M_{\theta\phi}$2.16 $M_{\theta r}$0.10 NP1:ϕ_s175.00000°,δ38.00000°,λ173.00000°. NP2:ϕ_s271.00000°,δ86.00000°,λ52.00000°. $M_0$3.50000×10^{15}
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

ISC XII 26 08 26 48.3–.18 25.19N–.02 125.66E–.02 27 5.7s,5.6b 1546 0-175
BJI XII 26 08 26 43.2 24.96N 125.87E 22 6.1s,6.1 **¶621653500**
IDC XII 26 08 26 44.4–.29 25.18N 125.46E 0 5.6s,5.3b
BGR XII 26 08 26 45.4 24.70N 125.76E 33 6.3,6.2s
GFZ XII 26 08 26 46.8 25.22N 125.60E 15 5.8W,6.2s
IPGP XII 26 08 26 46.0 25.23N 125.59E 27 5.9W,6.2s
MOS XII 26 08 26 46.1–1.1 25.23N 125.61E 23 5.9s,5.7b
NEIC XII 26 08 26 46.7 25.21N 125.59E 10 5.9s,5.7b
NEIC XII 26 08 26 46.7 25.21N 125.59E 10 5.9s,5.7b
NEIC XII 26 08 26 47.6–1.1 25.21N–.07 125.60E–.06 19–3 5.8b,5.7
GFZ XII 26 08 26 47.2–.15 25N–2.0 126E–2.0 10 5.9b,5.9
PTWC XII 26 08 26 47 24.80N 125.80E 6.3,5.9
ISC-P XII 26 08 26 47 25.21N 125.60E 28–0 6.2,5.9
JMA XII 26 08 26 47.2–.15 25.1N–.80 125.6E–.80 39–2 6.1,5.9W
NIED XII 26 08 26 47.2 25.14N 125.63E 39 5.9W,5.9W
GCMT XII 26 08 26 49.6–.10 25.13N 125.56E 22–0 5.9W,5.9W
KEA XII 26 08 26 53.5 25.28N 125.76E 33 5.7s,5.9W
NEIC XII 26 08 26 57.8 25.21N 125.59E 26 5.9,5.9W
ISC Event type ke.
IDC Error ellipse: s-maj=9.5km s-min=7.2km az=99.0.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.37 $M_{\theta\theta}$0.61 $M_{\phi\phi}$4.76 $M_{r\theta}$-1.43 $M_{\theta\phi}$-2.52 $M_{\theta r}$-0.85 NP1:ϕ_s138.15590°,δ46.74783°,λ-114.08246°. NP2:ϕ_s351.27180°,δ48.32157°,λ-66.55179°. Principal axes: T 5.9483,Plg0.8209°,Azm64.9280°; N -0.0589,Plg17.2896°,Azm155.1835°; P -5.8894,Plg72.6897°,Azm332.2929° $M_0$5.91908×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s338.00000°,δ36.00000°,λ-86.00000°. NP2:ϕ_s153.00000°,δ54.00000°,λ-93.00000°.
MOS Error ellipse: s-maj=6.0km s-min=3.4km az=113.8.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.5km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.61 $M_{\theta\theta}$1.18 $M_{\phi\phi}$3.42 $M_{r\theta}$-0.71 $M_{\theta\phi}$-2.51 $M_{\theta r}$1.33 NP1:ϕ_s148.55000°,δ53.66000°,λ-88.09000°. NP2:ϕ_s325.33000°,δ36.38000°,λ-92.60000°. Principal axes: T 5.2796,Plg9.0000°,Azm237.0000°; N -0.4430,Plg2.0000°,Azm327.0000°; P -4.8366,Plg81.0000°,Azm67.0000° $M_0$5.07000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC-P Moment Tensor Solution. s43 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.56±.13 $M_{\theta\theta}$-0.10±.16; $M_{\phi\phi}$0.69±.17; $M_{r\theta}$-0.17±.22; $M_{\theta\phi}$-0.26±.27; $M_{\theta r}$0.05±.14; NP1:ϕ_s18.10000°,δ58.40000°,λ287.30000°. NP2:ϕ_s167.40000°,δ35.60000°,λ-115.90000°. $M_0$2.24000×10^{18}
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-6.19 $M_{\theta\theta}$1.09 $M_{\phi\phi}$5.10 $M_{r\theta}$-2.49 $M_{\theta\phi}$-2.74 $M_{\theta r}$0.59 NP1:ϕ_s349.00000°,δ40.00000°,λ-65.00000°. NP2:ϕ_s137.00000°,δ55.00000°,λ-110.00000°. $M_0$6.84000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112260826A. Moment Tensor Solution. s155,c333; s164,c519;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.78±.01 $M_{\theta\theta}$0.18±.00; $M_{\phi\phi}$0.59±.01; $M_{r\theta}$-0.05±.01; $M_{\theta\phi}$-0.38±.00; $M_{\theta r}$0.34±.01; Best double couple: NP1:ϕ_s320.00000°,δ35.00000°,λ-105.00000°. NP2:ϕ_s158.00000°,δ57.00000°,λ-80.00000°. Principal axes: T 0.8810,Plg11.0000°,Azm241.0000°; N -0.0180,Plg8.0000°,Azm333.0000°; P -0.8630,Plg76.0000°,Azm99.0000° $M_0$0.87200×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-7.47 $M_{\theta\theta}$2.33 $M_{\phi\phi}$5.13 $M_{r\theta}$-1.38 $M_{\theta\phi}$-3.31 $M_{\theta r}$1.28 NP1:ϕ_s329.68000°,δ38.12000°,λ-84.91000°. NP2:ϕ_s143.22000°,δ52.05000°,λ-93.99000°. Principal axes: T 7.5521,Plg7.0000°,Azm236.0000°; N 0.1624,Plg3.0000°,Azm146.0000°; P -7.7145,Plg82.0000°,Azm32.0000° $M_0$7.63000×10^{17}

ISC XII 23 12 02 47.6–2.1 24.1N–.10 124.87E–.07 42–15 3.5b,3.1s 25 1-82
IDC XII 23 12 02 44.6–1.4 24.63N 125.02E 0 3.6b,3.6 **¶621686824**
JMA XII 23 12 02 46.4–.24 24N–1.0 124.9E–.70 52 3.3,3.6
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.

ISC XII 28 06 01 39.7–1.1 24.35N–.10 125.26E–.07 40–9 3.7b,2.9s 22 0-81
IDC XII 28 06 01 34.0–1.1 24.45N 125.41E 0 3.7b,3.7 **¶621717367**
JMA XII 28 06 01 38.8–.14 24.3N–.90 125.3E–.50 40–2 3.5,3.7
NIED XII 28 06 01 38.8 24.29N 125.27E 40 3.8W,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=66.3km s-min=22.5km az=67.0.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.04 $M_{\theta\theta}$2.06 $M_{\phi\phi}$-2.03 $M_{r\theta}$4.14 $M_{\theta\phi}$-2.13 $M_{\theta r}$2.76 NP1:ϕ_s154.00000°,δ30.00000°,λ1.00000°. NP2:ϕ_s63.00000°,δ90.00000°,λ120.00000°. $M_0$5.73000×10^{14}

ISC XII 26 09 17 02.9–.43 25.06N–.04 125.71E–.04 38–1 4.8b,4.0s 288 0-94
JMA XII 26 09 17 01.1–.13 25.2N–.70 125.6E–.60 37–1 4.9,4.6 **¶635672336**
GFZ XII 26 09 17 01.7–.22 25N–3.0 126E–3.0 10 4.8L,4.8
NEIC XII 26 09 17 01.0–.76 25.07N–.08 125.68E–.07 22–5 5.0b,4.6
NIED XII 26 09 17 01.1 25.18N 125.63E 37 4.6W,4.6
BJI XII 26 09 17 02.1 24.80N 125.71E 52 4.8b,4.5s
IDC XII 26 09 17 04.4–1.9 25.25N 125.60E 49–19 4.2,4.0L
BGR XII 26 09 17 06.8 24.55N 123.66E 33 4.8b,4.0L
ISC Event type ke.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.7km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-6.52 $M_{\theta\theta}$-1.45 $M_{\phi\phi}$7.98 $M_{r\theta}$-1.44 $M_{\theta\phi}$-3.32 $M_{\theta r}$2.01 NP1:ϕ_s353.00000°,δ37.00000°,λ-74.00000°. NP2:ϕ_s154.00000°,δ54.00000°,λ-102.00000°. $M_0$8.19000×10^{15}
IDC Error ellipse: s-maj=14.8km s-min=10.9km az=80.0.
BGR Event type ke.

ISC XII 26 16 17 57.2–1.6 25.17N–.07 125.68E–.07 7–11 3.6b 27 0-85
IDC XII 26 16 17 56.0–.87 25.04N 125.24E 0 3.6b,3.6 **¶635672642**
JMA XII 26 16 17 59.5–.09 25.1N–.50 125.6E–.40 37–1 4.2,4.0
ISC Event type ke.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .

ISC XII 28 14 27 49.7–1.8 24.31N–.07 125.30E–.06 28–12 3.6b 29 0-81
IDC XII 28 14 27 45.5–.87 24.20N 125.09E 0 3.7b,3.6 **¶621717393**
JMA XII 28 14 27 50.0–.17 24N–1.0 125.3E–.60 36–3 3.6,3.6
NIED XII 28 14 27 50.0 24.28N 125.27E 36 3.9W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=17.4km az=101.0.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.33 $M_{\theta\theta}$-2.57 $M_{\phi\phi}$1.24 $M_{r\theta}$5.19 $M_{\theta\phi}$-1.79 $M_{\theta r}$3.88 NP1:ϕ_s286.00000°,δ15.00000°,λ144.00000°. NP2:ϕ_s51.00000°,δ81.00000°,λ78.00000°. $M_0$6.95000×10^{14}

ISC XII 29 20 42 34.4–1.2 24.93N–.10 123.62E–.06 32 3.6b 13 1-49
IDC XII 29 20 42 28.3–3.9 25.15N 124.27E 0 3.7b,3.7 **¶621724253**
JMA XII 29 20 42 33.3–.39 25N–2.0 123.6E–.50 28 2.7,3.7
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

ISC XII 28 07 21 10.1–2.0 24.31N–.07 125.28E–.08 29–14 3.5b 21 0-48
IDC XII 28 07 21 09.0–7.1 23.61N 123.96E 0 3.5b,3.5 **¶621717372**
JMA XII 28 07 21 10.2–.25 24N–1.0 125.3E–.80 37 3.3,3.5
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .

ISC XII 29 09 30 10.8–1.4 24.99N–.06 123.58E–.04 25–12 4.0b,3.5s 26 1-81
IDC XII 29 09 30 09.8–.88 24.78N 122.95E 0 3.9b,3.9 **¶621724201**
NIED XII 29 09 30 09.2 25.08N 123.60E 18 4.4W,3.9
JMA XII 29 09 30 09.2–.29 25.1N–.90 123.6E–.40 18–4 4.5,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.90 $M_{\theta\theta}$4.81 $M_{\phi\phi}$0.09 $M_{r\theta}$1.29 $M_{\theta\phi}$1.29 $M_{\theta r}$-0.36 NP1:ϕ_s68.00000°,δ39.00000°,λ-102.00000°. NP2:ϕ_s263.00000°,δ52.00000°,λ-80.00000°. $M_0$5.20000×10^{15}
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

ISC XII 30 02 49 03.6–.91 24.92N–.07 123.62E–.05 32 3.7b,3.7s 16 1-72
JMA XII 30 02 49 01.0–.33 25N–1.0 123.6E–.40 19 3.1,3.7s **¶621725983**
IDC XII 30 02 49 04.8–1.4 25.30N 122.95E 0 3.7b,3.7
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=55.8km s-min=19.0km az=64.0.

ISC XII 29 17 38 19.0–1.3 24.94N–.07 123.56E–.03 27–10 4.3s,3.9b 40 1-59
IDC XII 29 17 38 12.3–1.6 25.73N 125.13E 0 4.2s,3.7b **¶635674445**
NEIC XII 29 17 38 17.0–.90 24.61N–.09 123.7E–.10 23–8 4.1b,3.7b
JMA XII 29 17 38 17.3–.24 25.1N–.80 123.6E–.40 23–3 3.2,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .

ISC XII 29 17 39 17.2–.91 24.98N–.03 123.42E–.03 13–6 4.4b,4.3s 142 1-83
JMA XII 29 17 39 17.4–.22 25.1N–.80 123.6E–.30 21–3 4.7,3.6 **¶621657132**
NEIC XII 29 17 39 17.5–1.5 25.09N–.03 123.27E–.07 12–3 4.5b,3.6
NIED XII 29 17 39 17.4 25.05N 123.61E 21 4.8W,3.6
GCMT XII 29 17 39 19.5–.50 25.02N–.03 123.37E–.04 14–1 4.9W,3.6
BJI XII 29 17 39 20.2 25.24N 123.18E 12 5.0b,4.9s
IDC XII 29 17 39 22.6–2.9 24.98N 123.48E 48–28 3.9,3.8s
ISC Event type ke.

JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.9km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.63 $M_{\theta\theta}$1.49 $M_{\phi\phi}$0.14 $M_{r\theta}$0.13 $M_{\theta\phi}$0.26 $M_{\phi r}$-0.01 NP1:ϕ_s78.00000°,δ43.00000°,λ-92.00000°. NP2:ϕ_s261.00000° ,δ47.00000°,λ-88.00000°. M_o1.59000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112291739A. Moment Tensor Solution. s15,c18; s57,c89; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.95±.20 $M_{\theta\theta}$2.09±.15; $M_{\phi\phi}$-0.14±.11; $M_{r\theta}$1.18±.30; $M_{\theta\phi}$0.52±.09; $M_{\phi r}$1.07±.32; Best double couple: NP1:ϕ_s96.00000°,δ31.00000° ,λ-58.00000°. NP2:ϕ_s240.00000°,δ64.00000°,λ-107.00000°. Principal axes: T 2.6400,Plg17.0000°,Azm343.0000°; N -0.0310,Plg16.0000°,Azm248.0000° ; P -2.6130,Plg66.0000°,Azm118.0000° M_o2.62700×10^{16}
IDC Error ellipse: s-maj=21.2km s-min=13.5km az=64.0.

ISC	XII	**29 19 16 09.6–.47**	**24.90N–.04**	**123.58E–.03**	**32**	**4.3b**	**67**	**1-84**	
JMA	XII	29 19 16 06.2–.22	25.1N–.80	123.6E–.40	11	5.0,4.4			**¶621724244**
NEIC	XII	29 19 16 07.4–1.6	25.00N–.07	123.53E–.07	10–1	4.4b,4.4			
IDC	XII	29 19 16 13.2–3.4	25.02N	123.60E	59–33	4.0,3.7b			

ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.1km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.1km s-min=15.7km az=67.0.

ISC	XII	**31 13 09 16.2–1.3**	**24.97N–.07**	**123.62E–.04**	**9–9**	**3.4s,3.3b**	**27**	**1-81**	
JMA	XII	31 13 09 16.4–.26	25.1N–.80	123.5E–.30	18–3	4.6,3.6			**¶621726060**
NIED	XII	31 13 09 16.4	25.07N	123.53E	18	4.5W,3.6			
IDC	XII	31 13 09 31.8–6.0	24.92N	123.16E	141–60	3.5s,3.4			

ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.89 $M_{\theta\theta}$4.59 $M_{\phi\phi}$0.30 $M_{r\theta}$2.23 $M_{\theta\phi}$1.52 $M_{\phi r}$0.45 NP1:ϕ_s70.00000°,δ33.00000°,λ-94.00000°. NP2:ϕ_s255.00000° ,δ57.00000°,λ-87.00000°. M_o5.48000×10^{15}
IDC Error ellipse: s-maj=31.6km s-min=16.2km az=67.0.

ISC	XII	**30 00 37 05.7–1.6**	**25.38N–.07**	**125.50E–.06**	**2–11**	**3.7b**	**30**	**1-80**	
IDC	XII	30 00 37 05.3–.90	25.34N	125.27E	0	3.6b,3.6			**¶621725968**
JMA	XII	30 00 37 07.9–.13	25.2N–.60	125.6E–.60	35–1	4.2,4.0			

ISC Event type ke.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .

ISC	XII	**29 17 42 02.9–.90**	**24.84N–.08**	**123.53E–.04**	**39–5**	**3.6b**	**26**	**0-79**	
JMA	XII	29 17 41 58.8–.24	25.1N–.70	123.6E–.30	17–4	3.4			**¶621724235**
IDC	XII	29 17 41 58.7–.91	24.71N	123.08E	0	3.7b,3.7			

ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=21.0km s-min=18.4km az=77.0.

ISC	XII	**29 17 58 33.8–.59**	**24.90N–.03**	**123.55E–.03**	**18–2**	**4.6b,4.1s**	**179**	**1-87**	
BJI	XII	29 17 58 28.4	24.70N	123.70E	7	5.1b,5.0s			**¶621657150**
IDC	XII	29 17 58 31.1–.71	24.94N	123.31E	0	4.3b,4.2			
JMA	XII	29 17 58 32.1–.20	25.1N–.60	123.6E–.20	16–2	4.8,4.8W			
NIED	XII	29 17 58 32.1	25.06N	123.61E	16	4.8W,4.8W			
NEIC	XII	29 17 58 34.1–1.9	25.07N–.04	123.33E–.04	10–1	4.7b,4.8W			

ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.91 $M_{\theta\theta}$1.76 $M_{\phi\phi}$0.15 $M_{r\theta}$-0.08 $M_{\theta\phi}$0.48 $M_{\phi r}$-0.75 NP1:ϕ_s271.00000°,δ43.00000°,λ-64.00000°. NP2:ϕ_s57.00000° ,δ52.00000°,λ-113.00000°. M_o2.03000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	XII	**30 08 45 35.3–1.2**	**25.19N–.04**	**125.76E–.04**	**9–7**	**4.8b,3.7s**	**184**	**1-100**	
NEIC	XII	30 08 45 35.8–1.0	25.27N–.08	125.67E–.07	11–4	4.9b,3.7s			**¶621657465**
JMA	XII	30 08 45 37.5–.16	25.2N–.80	125.6E–.90	36–2	4.7,4.3			
NIED	XII	30 08 45 37.5	25.20N	125.63E	36	4.5W,4.3			
IDC	XII	30 08 45 41.3–2.4	25.34N	125.53E	51–22	4.0,3.7b			

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.8km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.94 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$3.88 $M_{r\theta}$-3.56 $M_{\theta\phi}$-1.21 $M_{\phi r}$1.57 NP1:ϕ_s15.00000°,δ36.00000°,λ-34.00000°. NP2:ϕ_s133.00000° ,δ71.00000°,λ-121.00000°. M_o5.35000×10^{15}
IDC Error ellipse: s-maj=15.0km s-min=12.5km az=76.0.

ISC	XII	**31 23 32 47.4–1.8**	**24.99N–.08**	**123.54E–.05**	**17–12**	**3.5b,3.3s**	**20**	**1-79**	
JMA	XII	31 23 32 44.9–.23	25.2N–.90	123.5E–.40	24	3.2,3.3s			**¶635675736**
IDC	XII	31 23 32 45.9–1.1	24.61N	122.77E	0	3.6b,3.6			

ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=39.8km s-min=18.3km az=72.0.

(247) Southeast of Taiwan.

ISC	VIII	**25 14 11 04.3–2.6**	**22.86N–.03**	**123.02E–.03**	**7–17**	**4.1b,3.2s**	**427**	**1-85**	
IDC	VIII	25 14 11 03.5–.72	22.86N	123.08E	0	4.0,3.9b			**¶622451708**
NIED	VIII	25 14 11 06.0	22.84N	123.01E	53	4.2W,3.9b			
JMA	VIII	25 14 11 06.0–.26	23N–1.0	123.0E–.80	53	4.7,4.3			
NEIC	VIII	25 14 11 05.9	22.94N	122.96E	10	4.7,4.3			
TAP	VIII	25 14 11 06.5	22.84N	122.98E	33–0	4.7L,4.3			
NEIC	VIII	25 14 11 07.4–1.1	22.94N–.07	122.96E–.07	20–5	4.3b,4.0			

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.57 $M_{\theta\theta}$1.80 $M_{\phi\phi}$-0.23 $M_{r\theta}$-0.45 $M_{\theta\phi}$-0.52 $M_{\phi r}$1.04 NP1:ϕ_s260.00000°,δ40.00000°,λ-131.00000°. NP2:ϕ_s128.00000° ,δ61.00000°,λ-61.00000°. M_o2.10000×10^{15}
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
NEIC Event type se.
TAP D.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.51 $M_{\theta\theta}$1.04 $M_{\phi\phi}$-0.53 $M_{r\theta}$-0.23 $M_{\theta\phi}$0.08 $M_{\phi r}$0.61 NP1:ϕ_s122.97000°,δ66.75000°,λ-41.01000°. NP2:ϕ_s231.92000°,δ52.92000° ,λ-150.34000°. Principal axes: T 1.0740,Plg8.0000°,Azm180.0000°; N 0.0817,Plg44.0000° ,Azm279.0000°; P -1.1557,Plg45.0000°,Azm82.0000° M_o1.12000×10^{15}

SEISMIC REGION 22.
Philippines.

(248) Philippine Islands region.

ISC	VII	**01 20 44 46.6–.69**	**15.10N–.07**	**123.08E–.09**	**28**	**4.0b,3.1s**	**27**	**2-88**	
IDC	VII	01 20 44 42.7–1.0	15.03N	123.18E	0	4.9L,3.8			**¶620927695**
NEIC	VII	01 20 44 47.7–1.4	15.1N–.10	123.1E–.20	29–6	4.4b,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	VII	**02 12 48 46.4–3.5**	**20.10N**	**121.87E**	**0**	**3.4b,3.4**			
									¶620927749

IDC Error ellipse: s-maj=300.3km s-min=22.4km az=62.0.

ISC	VII	**07 12 20 03.9–.84**	**6.9N–.10**	**127.36E–.09**	**31**	**3.9b**	**12**	**2-82**	
IDC	VII	07 12 20 08.3–2.8	6.85N	127.29E	69–27	3.9,3.5b			**¶620928115**

ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=13.8km az=51.0.

ISC	VII	**10 00 36 16.5–1.0**	**13.87N–.03**	**119.89E–.04**	**33–8**	**4.2b**	**104**	**0-87**	
MAN	VII	10 00 36 13.1	13.94N	119.71E	11	5.1b,4.2s			**¶620928294**
IDC	VII	10 00 36 19.4–1.7	13.96N	120.14E	64–17	4.0,3.7b			
NEIC	VII	10 00 36 20.1–.87	13.91N–.09	120.1E–.10	64–8	4.4b,3.7b			

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	VII	**11 03 20 44.4–2.0**	**13.45N**	**125.38E**	**0**	**3.6b,3.6**			
									¶620928400

IDC Error ellipse: s-maj=80.7km s-min=27.8km az=61.0.

IDC	VII	**13 21 32 56.8–1.8**	**7.50N**	**127.17E**	**0**	**3.4b,3.4**			
									¶620928565

IDC Error ellipse: s-maj=32.5km s-min=23.4km az=22.0.

IDC	VII	**15 14 42 48.6–2.5**	**5.92N**	**127.18E**	**0**	**3.6b,3.6**			
									¶620928648

IDC Error ellipse: s-maj=219.0km s-min=24.0km az=67.0.

ISC	VII	**15 19 47 27.7–.95**	**15.5N–.10**	**118.3E–.10**	**50**	**3.6b,2.8s**	**9**	**3-43**	
IDC	VII	15 19 47 29.7–3.0	15.51N	118.39E	74–32	3.7,3.4b			**¶620928657**

ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=16.3km az=67.0.

ISC	VII	**16 17 00 41.2–1.3**	**10.09N–.03**	**126.25E–.05**	**27–9**	**3.6b**	**60**	**0-86**	
IDC	VII	16 17 00 36.5–2.2	10.47N	126.78E	0	3.7b,3.7			**¶620928670**
MAN	VII	16 17 00 44.6	9.95N	126.04E	15	5.0b,4.0s			

ISC Event type se.
IDC Error ellipse: s-maj=203.8km s-min=21.5km az=68.0.
MAN Event type fe.

ISC	VII	**24 01 23 39.6–.52**	**10.44N–.07**	**127.3E–.10**	**24**	**4.2b**	**46**	**4-146**	
IDC	VII	24 01 23 35.9–.62	10.53N	127.55E	0	4.0b,4.0			**¶620970190**
NEIC	VII	24 01 23 38.9–2.0	10.41N–.08	127.1E–.10	10–1	4.4b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	VII	**25 07 44 11.1–.93**	**17.15N–.02**	**119.94E–.04**	**34–3**	**4.4b,3.8s**	**186**	**1-117**	
MAN	VII	25 07 44 09.8	17.30N	119.88E	9	5.1b,4.2s			**¶620973753**
NEIC	VII	25 07 44 09.8–1.3	17.16N–.07	119.91E–.09	24–5	4.5b,4.2s			
IDC	VII	25 07 44 16.3–1.7	17.14N	120.20E	79–18	4.2,3.9s			

ISC Event type se.
MAN Event type fe. INTENSITY III - CITY OF CANDON ILOCOS SUR ; . INTENSITY II - BANAYOYO BANTAY CAOAYAN GREGORIO DEL PILAR LIDLIDDA MAGSINGAL NARVACAN SAN ESTEBAN SANTA SANTA CRUZ SANTA LUCIA ; SANTO DOMINGO SIGAY SINAIT AND CITY OF VIGAN ILOCOS SUR ; . INTENSITY I - CABUGAO GALIMUYOD SAN JUAN SAN VICENTE SANTA CATALINA AND SUGPON ILOCOS SUR.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.9km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=10.6km az=71.0.

ISC	VIII	**06 03 42 51.1–.76**	**6.15N–.03**	**127.72E–.05**	**23–5**	**4.6b,4.0s**	**171**	**2-123**	
BJI	VIII	06 03 42 45.9	5.78N	127.49E	11	4.7b,4.7b			**¶620970716**
DJA	VIII	06 03 42 46.7–.80	6N–6.0	128E–4.0	10	4.8b,4.7			
IDC	VIII	06 03 42 47.1–.48	5.96N	127.58E	0	4.5L,4.4b			
NEIC	VIII	06 03 42 50.0–1.3	6.01N–.04	127.51E–.06	10–1	4.7b,4.4b			
GFZ	VIII	06 03 42 52.0–.94	6N–3.0	128E–4.0	32–8	4.6,4.5b			
MAN	VIII	06 03 42 55.2	6.56N	127.59E	127	5.1b,4.1s			

ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=10.1km az=64.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.3km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.4km s-min=6.0km az=65.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MAN Event type fe.

ISC	VII	**25 21 13 47.5–.97**	**10.60N–.03**	**126.05E–.05**	**43–10**	**4.1b**	**83**	**0-85**	
IDC	VII	25 21 13 41.5–.87	10.59N	126.00E	0	3.8b,3.8			**¶620973796**
MAN	VII	25 21 13 47.2	10.58N	126.03E	24	5.1b,4.2s			
NEIC	VII	25 21 13 50.0–.80	10.6N–.10	125.9E–.20	57–10	4.5b,4.2s			

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	VIII	**03 22 17 35.6–1.6**	**10.38N–.03**	**126.67E–.05**	**4–10**	**3.9b**	**72**	**1-93**	
IDC	VIII	03 22 17 35.4–1.5	10.36N	126.67E	0	4.0b,4.0			**¶620995912**
MAN	VIII	03 22 17 36.8	10.40N	126.67E	5	5.0b,4.0s			

ISC Event type se.
IDC Error ellipse: s-maj=77.1km s-min=19.7km az=68.0.
MAN Event type fe.

ISC	VII	**26 11 52 19.9–.61**	**6.31N–.06**	**127.14E–.08**	**35**	**4.2b**	**42**	**2-85**	
IDC	VII	26 11 52 13.8–.85	6.61N	127.49E	0	4.2L,3.7b			**¶620973840**
NEIC	VII	26 11 52 20.7–1.6	6.33N–.07	127.10E–.08	35–2	4.4b,3.7b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	VIII	**06 10 18 06.1–1.3**	**15.75N–.02**	**122.79E–.03**	**12–8**	**4.0b,3.2s**	**125**	**1-79**	
IDC	VIII	06 10 18 04.4–.78	15.92N	123.24E	0	3.9b,3.9			**¶620998888**
NEIC	VIII	06 10 18 06.7–.76	15.85N–.08	123.0E–.10	10–1	4.3b,3.9			
MAN	VIII	06 10 18 08.2	15.88N	122.85E	28	5.0b,4.0s			

ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=13.8km az=102.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=11.5km az=254.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.

ISC	VIII	**06 05 24 09.5–.59**	**5.00N–.05**	**127.51E–.07**	**108**	**4.0b**	**59**	**1-89**	
DJA	VIII	06 05 24 06.7–.80	5N–8.0	127E–3.0	114–10	5.0b,4.5b			**¶620998856**
IDC	VIII	06 05 24 10.0–2.4	5.00N	127.54E	123–22	4.0,3.6b			
NEIC	VIII	06 05 24 10.7–1.2	4.91N–.07	127.4E–.10	115–9	4.2b,3.6b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	VIII	**11 18 05 12.8–.67**	**6.05N–.05**	**127.16E–.08**	**65–5**	**4.5b**	**80**	**2-100**	
IDC	VIII	11 18 05 03.4–.78	6.60N	127.86E	0	4.2L,4.1b			**¶621009345**
NEIC	VIII	11 18 05 11.4–2.1	6.11N–.08	127.17E–.09	49–8	4.8b,4.1b			
DJA	VIII	11 18 05 15.8–.70	6N–5.0	127E–6.0	96–12	5.2,4.9			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	VIII	**11 18 28 21.4–.88**	**5.94N–.04**	**127.23E–.05**	**56–8**	**4.4b**	**148**	**1-142**	
MAN	VIII	11 18 28 19.4	6.06N	127.29E	26	5.1b,4.1s			**¶621009348**
IDC	VIII	11 18 28 19.5–1.6	6.10N	127.39E	41–13	4.2L,4.1			
NEIC	VIII	11 18 28 22.5–1.9	5.83N–.08	127.08E–.10	61–7	4.5b,4.1			
DJA	VIII	11 18 28 22.9–1.1	6N–8.0	127E–7.0	95–21	4.9,4.8			

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	VIII	**11 18 44 08.6–.93**	**6.04N–.03**	**127.06E–.06**	**72–8**	**3.9b**	**112**	**1-83**	
DJA	VIII	11 18 44 03.0–1.1	6N–7.0	127E–4.0	15–14	4.6b,4.6			**¶621009349**
MAN	VIII	11 18 44 04.3	6.08N	127.32E	32	5.1b,4.1s			
IDC	VIII	11 18 44 05.5–2.6	6.34N	127.53E	51–22	4.1L,3.7			
NEIC	VIII	11 18 44 07.6–1.9	5.94N–.09	127.1E–.10	67–9	4.1b,3.7			

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	VIII	**11 18 54 52.8–.89**	**6.36N–.07**	**127.22E–.07**	**10**	**3.8b**	**32**	**2-65**	
DJA	VIII	11 18 54 50.4–.60	6N–5.0	127E–4.0	10	4.4,4.3			**¶621009350**
IDC	VIII	11 18 54 50.9–.90	6.20N	127.46E	0	3.9L,3.8			

ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=12.8km az=56.0.

ISC	VIII	**11 19 40 26.0–1.0**	**6.4N–.10**	**127.3E–.10**	**10**	**3.6b**	**14**	**2-65**	
DJA	VIII	11 19 40 18.8–2.6	7N–11	127E–10	16–26	4.3b,4.2			**¶621009355**
IDC	VIII	11 19 40 24.8–1.1	5.77N	126.42E	0	3.7L,3.7			

ISC Event type se.
IDC Error ellipse: s-maj=116.2km s-min=16.9km az=60.0.

ISC	VIII	**11 20 23 32.7–1.2**	**6.3N–.20**	**127.5E–.20**	**10**	**3.6b**	**8**	**2-90**	
IDC	VIII	11 20 23 31.0–1.1	6.36N	127.60E	0	4.3L,3.7			**¶621009360**

ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=17.7km az=48.0.

ISC	VIII	**12 10 37 40.7–1.7**	**6.25N–.05**	**127.34E–.06**	**10–10**	**3.8b**	**55**	**1-83**	
IDC	VIII	12 10 37 38.8–.96	6.56N	127.76E	0	4.3s,3.8			**¶621009398**
MAN	VIII	12 10 37 47.8	6.28N	127.01E	19	5.0b,4.0s			

ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=15.7km az=48.0.

MAN Event type fe.
ISC VIII 11 17 54 01.9–.63 6.21N–.08 127.12E–.08 83 4.6b 34 2-83
NEIC VIII 11 17 54 01.9–1.1 6.5N–.10 127.11E–.09 68–8 4.6b **¶621009344**
IDC VIII 11 17 54 04.8–5.2 6.28N 127.03E 100–27 4.7,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.9km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.0km s-min=31.2km az=168.0.
ISC VIII 12 02 26 11.9–.34 6.18N–.03 127.33E–.04 50–2 4.9b,4.2s 390 1-167
MAN VIII 12 02 26 04.8 6.16N 127.50E 15 5.5b,4.8s **¶620983369**
GFZ VIII 12 02 26 09.8–.32 6N–3.0 127E–4.0 41–3 5.0,4.9b
NEIC VIII 12 02 26 11.3–1.9 6.15N–.07 127.29E–.08 35–1 5.2b,4.9b
IDC VIII 12 02 26 13.2–1.6 6.29N 127.33E 67–12 4.4,4.1b
DJA VIII 12 02 26 14.7–.60 6N–4.0 127E–3.0 10 5.3b,5.0b
ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 12 03 09 09.0–1.1 6.11N 127.33E 0 3.5b,3.5
¶621009375
IDC Error ellipse: s-maj=65.0km s-min=23.5km az=71.0.
ISC VIII 12 11 39 19.7–1.3 6.2N–.20 127.4E–.30 35 3.6b 8 2-66
IDC VIII 12 11 39 18.6–4.8 6.06N 127.02E 24–31 3.8L,3.7 **¶621009406**
ISC Event type se.
IDC Error ellipse: s-maj=81.5km s-min=14.2km az=58.0.
ISC VIII 11 21 53 02.0–1.1 6.2N–.10 127.4E–.10 10 4.0b 18 2-71
IDC VIII 11 21 52 59.2–1.4 6.68N 127.90E 0 4.2L,3.7 **¶621009366**
NEIC VIII 11 21 53 02.2–2.4 6.2N–.10 127.43E–.06 10–2 4.0b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 05 01 16.4–.51 6.17N–.07 127.19E–.07 10 4.2b 41 2-84
IDC VIII 12 05 01 15.8–1.0 6.22N 127.20E 0 3.9b,3.9 **¶621009381**
NEIC VIII 12 05 01 16.4–.96 6.19N–.08 127.20E–.04 7–5 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 05 25 23.6–.91 6.07N–.03 127.17E–.06 54–8 4.3b,3.6s 127 1-97
MAN VIII 12 05 25 22.6 6.15N 127.20E 19 5.0b,4.0s **¶621009383**
NEIC VIII 12 05 25 23.3–1.1 6.13N–.07 127.00E–.08 42–8 4.4b,4.0s
IDC VIII 12 05 25 23.3–1.7 6.37N 127.31E 44–15 4.4L,4.0
DJA VIII 12 05 25 28.8–1.0 6N–10 127E–5.0 132–8 4.9b,4.5
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 11 23 34 28.3–.51 6.02N–.06 127.15E–.08 50 4.3b 64 2-90
DJA VIII 11 23 34 11.3–3.2 7N–27 127E–7.0 10 5.1b,4.8b **¶620983350**
NEIC VIII 11 23 34 27.9–1.8 5.95N–.07 127.18E–.09 48–8 4.4b,4.8b
IDC VIII 11 23 34 31.6–2.0 6.17N 127.15E 72–18 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.3km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.1km s-min=12.3km az=56.0.
ISC VIII 12 11 25 10.7–.76 5.97N–.04 127.30E–.05 61–7 4.5b 171 1-123
MAN VIII 12 11 25 01.5 5.81N 127.66E 15 5.5b,4.8s **¶621009404**
IDC VIII 12 11 25 10.0–1.3 6.01N 127.32E 56–11 4.2,4.1s
NEIC VIII 12 11 25 10.4–2.6 6.01N–.07 127.31E–.08 54–7 4.6b,4.1s
DJA VIII 12 11 25 12.7–.90 6N–8.0 127E–4.0 54–9 5.2b,5.1
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 08 17 26.1–1.3 5.96N–.03 127.32E–.05 6–8 4.6b 101 1-85
IDC VIII 12 08 17 30.6–2.2 6.14N 127.43E 37–19 4.2L,4.1 **¶621009387**
NEIC VIII 12 08 17 30.1–1.0 6.03N–.08 127.29E–.10 26–6 4.5b,4.1
MAN VIII 12 08 17 33.0 6.00N 127.08E 19 5.0b,4.0s
DJA VIII 12 08 17 52.0–3.7 4N–31 127E–10 81–23 3.6,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC VIII 12 15 53 33.5–.38 6.19N–.02 127.29E–.03 43–2 5.4s,5.4b 1215 1-177
IPGP VIII 12 15 53 28.0 6.29N 127.38E 16 5.8W,5.4b **¶620984165**
NEIC VIII 12 15 53 28.5–1.5 6.29N–.04 127.30E–.05 10–1 5.6b,5.4
MAN VIII 12 15 53 29.8 6.20N 127.52E 33 6.3b,6.0s
NEIC VIII 12 15 53 29 6.29N 127.22E 3 6.3b,6.0s
BJI VIII 12 15 53 30.1 6.27N 127.16E 25 5.5s,5.5b
MOS VIII 12 15 53 30.4–1.2 6.17N 127.02E 29 5.5b,5.4s
GFZ VIII 12 15 53 33.3 6.23N 127.17E 21 5.6W,5.4s
IDC VIII 12 15 53 34.3–.67 6.21N 127.16E 50–5 5.2s,5.0
DJA VIII 12 15 53 36.4–.40 6N–3.0 127E–2.0 49–4 5.9b,5.8
PTWC VIII 12 15 53 36 6.20N 127.20E 44 5.7,5.8
GFZ VIII 12 15 53 36.1–.10 6N–2.0 127E–2.0 56 5.4,5.4b
GCMT VIII 12 15 53 36.6–.10 6.06N–.01 127.32E–.01 22–0 5.7W,5.4b
NEIC VIII 12 15 53 40.3 6.29N 127.22E 12 5.7,5.4b
ISC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s148.00000°,δ38.00000°,λ31.00000°. NP2:ϕ_s32.00000°,δ72.00000°,λ124.00000°.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.6km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY II - CITY OF TAGUM DAVAO DEL NORTE; LUPON DAVAO ORIENTAL.
NEIC Event type se.
MOS Error ellipse: s-maj=7.4km s-min=3.7km az=117.2.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}1.69 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-2.09 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.03 $M_{\phi r}$2.04 NP1:
ϕ_s166.15128°,δ22.59376°,λ66.16335°. NP2:ϕ_s11.72445°,δ69.42559°,λ99.54620°.
Principal axes: T 2.6749,Plg64.3337°,Azm297.4332°; N 0.3220,Plg8.9322°,Azm188.3422°
; P -2.9969,Plg23.8500°,Azm94.3579° $M_0$2.84958×10^{17}
IDC Error ellipse: s-maj=7.8km s-min=5.4km az=59.0.
PTWC PHILIPPINE ISLANDS REGION.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108121553A. Moment Tensor Solution. s143,c281; s154,c320;Duration: 1$\bar{s}$7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.90±.04 $M_{\theta\theta}$0.68±.03; $M_{\phi\phi}$-3.58±.03; $M_{r\theta}$1.08±.06; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$1.96±.07; Best double couple: NP1:
ϕ_s168.00000°,δ31.00000°,λ61.00000°. NP2:ϕ_s20.00000°,δ63.00000°,λ106.00000°.
Principal axes: T 3.7360,Plg68.0000°,Azm322.0000°; N 0.4820,Plg14.0000°,Azm193.0000°
; P -4.2230,Plg16.0000°,Azm98.0000° $M_0$3.97900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3$\bar{s}$5 Moment tensor: Scale 10^{17}Nm;
M_{rr}1.07 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-1.99 $M_{r\theta}$0.80 $M_{\theta\phi}$0.21 $M_{\phi r}$3.74 NP1:ϕ_s144.48000°,δ14.92000°
,λ42.38000°. NP2:ϕ_s13.07000°,δ80.00000°,λ101.14000°. Principal axes:
T 3.7984,Plg54.0000°,Azm296.0000°; N 0.7201,Plg11.0000°,Azm191.0000°
; P -4.5186,Plg34.0000°,Azm94.0000° $M_0$4.21000×10^{17}
ISC VIII 12 15 57 48.1–.61 5.82N–.07 127.01E–.09 83 4.5b 37 2-89
NEIC VIII 12 15 57 46.1–2.4 6.07N–.07 127.09E–.07 42–10 4.7b **¶621009425**
IDC VIII 12 15 57 48.0–2.1 5.65N 126.86E 88–17 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.7km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.9km s-min=18.5km az=49.0.
IDC VIII 12 16 09 55.0–2.1 6.12N 127.31E 0 3.7L,3.4
¶621009428
IDC Error ellipse: s-maj=72.6km s-min=16.1km az=47.0.
ISC VIII 12 13 48 25.8–1.3 6.23N–.05 127.34E–.07 53–12 4.4b 89 1-123
MAN VIII 12 13 48 23.0 6.22N 127.42E 28 5.0b,4.0s **¶621009417**
NEIC VIII 12 13 48 27.8–2.0 6.13N–.08 127.16E–.07 68–9 4.5b,4.0s
IDC VIII 12 13 48 28.1–2.0 6.32N 127.38E 76–18 4.0,3.7b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.9km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=11.3km az=61.0.
ISC VIII 12 16 18 28.9–1.2 6.5N–.20 127.8E–.20 35 3.8b 11 2-66
IDC VIII 12 16 18 23.9–.99 6.62N 127.92E 0 3.8L,3.8s **¶621009430**
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=13.8km az=53.0.
ISC VIII 12 16 25 37.2–.58 5.97N–.07 127.29E–.08 52 4.1b 41 2-85
IDC VIII 12 16 25 37.7–2.4 6.23N 127.49E 52–23 3.9L,3.9 **¶621009431**
NEIC VIII 12 16 25 38.6–1.3 5.92N–.09 127.2E–.10 66–9 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 16 27 56.7–1.2 6.6N–.20 127.8E–.10 35 3.5b 8 2-66
IDC VIII 12 16 27 52.0–1.1 6.73N 127.89E 0 3.9L,3.7 **¶621009432**
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=16.1km az=50.0.
ISC VIII 12 16 32 24.5–.91 6.2N–.20 127.0E–.20 10 3.7b 11 2-83
IDC VIII 12 16 32 23.4–.92 6.32N 127.17E 0 3.7L,3.6b **¶621009433**
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=13.8km az=53.0.
ISC VIII 12 17 22 24.3–1.4 6.8N–.20 127.7E–.10 10 3.9b 8 2-60
IDC VIII 12 17 22 22.7–1.4 6.75N 127.73E 0 4.3L,3.9 **¶621009437**
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=17.1km az=42.0.
ISC VIII 12 18 01 16.6–.33 6.24N–.03 127.29E–.04 57–2 4.8b,4.3s 333 1-151
MAN VIII 12 18 01 13.5 6.36N 127.29E 17 5.5b,4.8s **¶620984521**
IDC VIII 12 18 01 16.6–1.4 6.14N 127.12E 59–12 4.3,4.3s
NEIC VIII 12 18 01 17.8–1.5 6.16N–.06 126.98E–.09 60–6 4.9b,4.3s
DJA VIII 12 18 01 17.5–.60 6N–5.0 127E–4.0 53–7 5.2,5.2b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 14 03 03.9–.77 6.02N–.04 127.27E–.05 66–7 4.5b 166 1-123
DJA VIII 12 14 02 54.8–2.8 7N–24 127E–7.0 10 5.2b,4.9b **¶620984162**
MAN VIII 12 14 03 00.5 6.06N 127.30E 16 5.2b,4.3s
IDC VIII 12 14 03 05.5–1.2 5.91N 127.22E 82–9 4.2,3.9b
NEIC VIII 12 14 03 05.5–2.2 6.02N–.09 127.1E–.10 74–7 4.6b,3.9b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 18 09 16.4–.64 6.07N–.08 127.39E–.09 10 4.2b 36 2-85
IDC VIII 12 18 09 14.9–.77 6.13N 127.41E 0 3.8L,3.8b **¶621009443**
NEIC VIII 12 18 09 16.4–1.2 6.07N–.08 127.42E–.05 10–1 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 14 06 47.4–1.1 6.8N–.20 127.7E–.10 31 3.6b 10 2-82
IDC VIII 12 14 06 42.7–1.0 6.83N 127.74E 0 4.3L,3.6b **¶621009418**
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=20.0km az=43.0.
ISC VIII 12 18 32 56.1–.97 6.10N–.04 127.32E–.06 57–9 4.4b 156 1-89
MAN VIII 12 18 32 50.9 6.14N 127.61E 26 5.4b,4.6s **¶621009446**
NEIC VIII 12 18 32 56.3–2.3 6.06N–.07 127.26E–.09 53–8 4.5b,4.6s
DJA VIII 12 18 32 57.5–1.0 6N–8.0 127E–7.0 53–15 5.3b,4.7
IDC VIII 12 18 32 58.3–2.0 6.19N 127.36E 75–17 4.0,3.7b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.8km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.8km s-min=11.5km az=73.0.
ISC VIII 12 08 49 56.9–.93 6.27N–.03 127.38E–.06 42–9 4.7b,3.4s 159 1-147
MAN VIII 12 08 49 55.8 6.26N 127.34E 23 5.2b,4.2s **¶621009394**
IDC VIII 12 08 49 56.4–1.9 6.24N 127.32E 39–17 4.2L,4.2
DJA VIII 12 08 49 56.6–1.4 6N–11 127E–4.0 10–18 5.6b,5.1
NEIC VIII 12 08 49 57.7–1.6 6.22N–.07 127.31E–.08 46–5 4.7b,5.1
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 13 00 11.0–.91 6.05N–.04 127.30E–.06 53–8 4.5b,3.5s 130 1-123
MAN VIII 12 13 00 07.8 6.13N 127.32E 11 5.4b,4.6s **¶620984159**
IDC VIII 12 13 00 10.1–1.3 6.18N 127.59E 48–12 4.1,4.0L
NEIC VIII 12 13 00 13.0–2.4 6.03N–.06 127.0E–.10 68–8 4.5b,4.0L
DJA VIII 12 13 00 15.9–3.8 6N–11 127E–5.0 14–28 4.9b,4.6b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 15 12.3–1.0 6.4N–.10 127.5E–.10 47 4.0b 8 2-60
IDC VIII 12 20 15 06.7–.99 6.46N 127.49E 0 4.0L,3.8 **¶621009501**
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=16.5km az=61.0.
ISC VIII 12 09 07 56.7–.57 6.05N–.07 127.34E–.09 52 4.2b,3.7s 41 2-123
NEIC VIII 12 09 07 54.9–1.1 6.11N–.08 127.42E–.09 31–7 4.3b,3.7s **¶621009395**
IDC VIII 12 09 07 55.5–2.2 5.97N 127.27E 39–17 4.4L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=8.8km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.7km s-min=14.2km az=64.0.
ISC VIII 12 20 17 08.4–.32 6.01N–.03 127.15E–.04 54–2 5.1b 484 1-144
MAN VIII 12 20 17 04.9 6.00N 127.37E 56 5.9b,5.4s **¶620984515**
IDC VIII 12 20 17 07.1–1.2 6.05N 127.11E 47–11 4.8,4.6L
NEIC VIII 12 20 17 08.7–2.4 5.97N–.07 127.20E–.08 55–7 5.2b,4.6L
DJA VIII 12 20 17 08.0–.80 6N–7.0 127E–4.0 119–15 5.5,5.5
GFZ VIII 12 20 17 08.9–.15 6N–2.0 127E–3.0 54 5.2b,5.2
ISC Event type se.
MAN Event type fe. INTENSITY III - CITY OF MATI DAVAO ORIENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 12 14 54 20.6–.60 6.05N–.03 127.18E–.05 59–5 4.6b,3.7s 244 1-123
MAN VIII 12 14 54 14.6 5.90N 127.49E 33 5.5b,4.8s **¶620984168**
IDC VIII 12 14 54 18.1–1.3 6.04N 127.12E 42–11 4.6L,4.3
DJA VIII 12 14 54 19.0–.60 6N–5.0 127E–4.0 10 5.1b,5.0b
NEIC VIII 12 14 54 21.0–2.5 6.05N–.08 127.14E–.09 63–6 4.6b,5.0b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 20 28 38.7–.35 6.13N–.03 127.21E–.04 57–3 5.0b 447 1-123
MAN VIII 12 20 28 35.0 6.16N 127.40E 29 5.8b,5.2s **¶620984535**
IDC VIII 12 20 28 37.6–1.4 6.11N 127.11E 49–12 4.6,4.4b
DJA VIII 12 20 28 37.1–.90 6N–7.0 127E–6.0 10 5.4b,5.3
NEIC VIII 12 20 28 38.5–1.9 6.09N–.04 127.16E–.08 53–7 5.0b,5.3
GFZ VIII 12 20 28 41.5–.17 6N–2.0 127E–2.0 83 5.0b,5.0
ISC Event type se.

MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN VIII 12 21 08 57.7 6.22N 127.26E 24 5.0b,4.0s
¶626362501

MAN Event type fe.
MAN VIII 12 21 14 15.3 6.03N 127.42E 30 5.2b,4.3s
¶626362502

MAN Event type fe.
ISC VIII 13 15 02 52.6–2.3 6.05N–.05 127.43E–.06 24–17 4.0b 62 1-89
MAN VIII 13 15 02 52.3 6.00N 127.41E 28 5.2b,4.3s **¶621012168**
IDC VIII 13 15 02 55.8–2.1 6.25N 127.38E 47–22 4.2s,4.0L
ISC Event type se.
MAN Event type fe.
IDC Error ellipse: s-maj=26.5km s-min=13.0km az=51.0.
ISC VIII 12 15 42 28.8–.29 6.14N–.03 127.24E–.04 49–2 5.0b,4.9s 490 1-156
MAN VIII 12 15 42 24.1 6.12N 127.54E 35 5.7b,5.1s **¶622451427**
GFZ VIII 12 15 42 25.5–.21 6N–3.0 127E–4.0 10 5.1b,4.9
BJI VIII 12 15 42 26.4 5.84N 127.25E 70 5.1s,5.1b
NEIC VIII 12 15 42 27.6–1.9 6.14N–.06 127.17E–.06 35–1 5.2b,5.1b
DJA VIII 12 15 42 27.2–.90 6N–7.0 127E–5.0 10 5.5b,5.5b
GCMT VIII 12 15 42 29.2–.20 6.05N–.02 127.35E–.01 19–0 5.2W,5.5b
NEIC VIII 12 15 42 29.8 6.10N 127.08E 58 5.2W,5.5b
IDC VIII 12 15 42 32.2–1.3 6.32N 127.11E 71–10 4.6,4.5s
NEIC VIII 12 15 42 34.2 5.90N 127.28E 22 5.1,4.5s
ISC Event type se.
MAN Event type fe. INTENSITY III - CITY OF MATI AND LUPON DAVAO ORIENTAL.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.8km az=226.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108121542A. Moment Tensor Solution. s85,c124; s102,c162;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.60±.02 $M_{\theta\theta}$0.07±.01; $M_{\phi\phi}$-0.67±.02; $M_{r\theta}$0.18±.03; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$0.48±.04; Best double couple: NP1: ϕ_s172.00000°,δ27.00000°,λ69.00000°. NP2:ϕ_s15.00000°,δ65.00000°,λ100.00000°. Principal axes: T 0.7960,Plg69.0000°,Azm305.0000°; N 0.0510,Plg9.0000°,Azm190.0000° ; P -0.8470,Plg19.0000°,Azm97.0000° $M_0$0.82100×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=13.5km s-min=9.4km az=67.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ6 Moment tensor: Scale 10^{16}Nm; M_{rr}5.61 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-5.63 $M_{r\theta}$-0.20 $M_{\theta\phi}$-0.62 $M_{\phi r}$-1.53 NP1:ϕ_s5.84000°,δ37.37000° ,λ89.43000°. NP2:ϕ_s186.56000°,δ52.63000°,λ90.43000°. Principal axes: T 5.8176,Plg82.0000°,Azm99.0000°; N 0.0829,Plg0.0000°,Azm6.0000° ; P -5.9005,Plg8.0000°,Azm276.0000° $M_0$5.86000×10^{16}
ISC VIII 12 21 03 44.6–.27 6.01N–.03 127.21E–.04 54–2 5.2b 801 1-155
MAN VIII 12 21 03 39.6 6.01N 127.46E 14 5.8b,5.2s **¶620984544**
BJI VIII 12 21 03 41.4 5.86N 127.29E 61 5.9s,5.8
MOS VIII 12 21 03 41.7–.93 6.12N 127.01E 35 5.5b,5.8
DJA VIII 12 21 03 43.9–.60 6N–6.0 127E–4.0 10 6.1b,5.8
NEIC VIII 12 21 03 44.9–2.1 6.01N–.06 127.15E–.07 48–5 5.3b,5.8
IDC VIII 12 21 03 44.9–.98 6.12N 127.33E 54–7 4.8,4.5b
GFZ VIII 12 21 03 47.1–.12 6N–2.0 127E–3.0 72 5.2b,5.2
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 13 10 50 47.6–2.8 6.20N–.04 127.32E–.05 10–18 4.3b 104 1-96
IDC VIII 13 10 50 46.1–.93 6.35N 127.54E 0 4.2L,3.9 **¶621012128**
NEIC VIII 13 10 50 48.4–.95 6.23N–.08 127.32E–.07 10–1 4.4b,3.9
MAN VIII 13 10 50 49.6 6.26N 127.38E 33 5.2b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=13.6km az=51.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=7.1km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
MAN VIII 13 08 53 40.1 6.25N 127.23E 15 4.7b,3.6L
¶626362503

MAN Event type fe.
ISC VIII 13 18 25 44.0–1.1 6.18N–.04 127.31E–.06 43–12 4.1b 121 1-83
MAN VIII 13 18 25 41.6 6.18N 127.37E 32 5.3b,4.5s **¶621012197**
IDC VIII 13 18 25 46.9–2.4 6.26N 127.34E 72–23 3.8,3.5b
NEIC VIII 13 18 25 46.1–2.2 6.12N–.08 127.13E–.09 60–8 4.5b,3.5b
DJA VIII 13 18 25 47.1–1.6 6N–10 127E–8.0 109–25 4.5b,4.5b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 19 00 36.1–.39 6.18N–.03 127.19E–.04 67–3 4.8b 309 1-151
MAN VIII 13 19 00 33.2 6.26N 127.31E 30 5.8b,5.2s **¶621012201**
DJA VIII 13 19 00 34.0–1.5 6N–11 127E–7.0 104–23 5.3b,5.3b
NEIC VIII 13 19 00 35.6–1.4 6.20N–.06 127.10E–.07 63–5 4.9b,5.3b
GCMT VIII 13 19 00 37.5–.50 6.01N–.04 127.30E–.04 32–1 5.1W,5.3b
IDC VIII 13 19 00 38.0–1.3 6.21N 127.08E 80–10 4.4,4.3s
ISC Event type se.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.0km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108131900A. Moment Tensor Solution. s21,c23; s61,c77; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.99±.43 $M_{\theta\theta}$-0.08±.25; $M_{\phi\phi}$-3.91±.26; $M_{r\theta}$2.33±.34; $M_{\theta\phi}$-0.69±.15; $M_{\phi r}$1.79±.30; Best double couple: NP1:ϕ_s172.00000°,δ33.00000° ,λ56.00000°. NP2:ϕ_s31.00000°,δ63.00000°,λ110.00000°. Principal axes: T 5.2520,Plg66.0000°,Azm338.0000°; N -0.6210,Plg18.0000°,Azm202.0000° ; P -4.6320,Plg15.0000°,Azm107.0000° $M_0$4.94200×10^{16}
IDC Error ellipse: s-maj=13.3km s-min=8.7km az=74.0.
ISC VIII 14 01 24 50.6–1.3 6.5N–.20 127.3E–.10 47 3.5b 6 2-82
IDC VIII 14 01 24 44.3–1.3 6.55N 127.51E 0 3.5b,3.5 **¶621013423**
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=20.3km az=39.0.
ISC VIII 13 17 31 21.6–.50 5.99N–.05 127.26E–.07 50 4.5b,3.9s 85 2-89
DJA VIII 13 17 31 21.9–1.2 6N–9.0 127E–8.0 61–56 4.7b,4.7b **¶621012189**
NEIC VIII 13 17 31 23.7–1.6 5.92N–.08 127.2E–.10 65–8 4.5b,4.7b
IDC VIII 13 17 31 26.0–1.8 6.02N 126.95E 97–17 3.9,3.8s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=8.1km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.1km s-min=12.2km az=65.0.
ISC VIII 13 17 33 15.6–.55 6.14N–.04 127.21E–.05 58–5 4.7b,4.0s 192 1-100
MAN VIII 13 17 33 12.6 6.24N 127.33E 26 5.6b,4.9s **¶621012190**
DJA VIII 13 17 33 15.6–2.2 6N–6.0 127E–5.0 19–21 5.0,5.0b
IDC VIII 13 17 33 17.2–2.3 6.13N 126.91E 75–21 4.2,3.9b
NEIC VIII 13 17 33 17.9–1.2 6.16N–.08 127.0E–.10 80–8 4.8b,3.9b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 18 03 14.2–1.1 6.13N–.04 127.28E–.06 47–12 4.3b 103 1-83
MAN VIII 13 18 03 13.5 6.22N 127.28E 32 5.2b,4.3s **¶621012193**
DJA VIII 13 18 03 15.3–1.1 6N–8.0 127E–9.0 10 4.6b,4.6b
IDC VIII 13 18 03 16.6–2.7 6.18N 127.18E 64–25 4.1L,3.9
NEIC VIII 13 18 03 16.5–1.9 6.03N–.09 127.1E–.10 70–8 4.5b,3.9
ISC Event type se.

MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 18 17 10.4–1.1 6.16N–.05 127.34E–.06 44–12 4.5b 94 1-83
MAN VIII 13 18 17 08.2 6.19N 127.39E 36 5.2b,4.3s **¶621012194**
DJA VIII 13 18 17 09.3–1.3 6N–8.0 127E–12 10 4.4b,4.4b
IDC VIII 13 18 17 13.4–1.5 5.68N 126.85E 90–15 3.8,3.5b
NEIC VIII 13 18 17 13.5–2.2 6.1N–.10 127.1E–.10 64–11 4.6b,3.5b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 21 45 07.8–.46 6.21N–.03 127.24E–.04 51–4 4.6b,4.0s 312 1-97
GFZ VIII 13 21 45 02.6–.26 6N–3.0 127E–6.0 10 4.8b,4.8 **¶620986503**
MAN VIII 13 21 45 05.2 6.23N 127.33E 28 5.5b,4.8s
DJA VIII 13 21 45 06.5–.60 6N–5.0 127E–3.0 10 5.4b,5.4b
NEIC VIII 13 21 45 06.3–1.4 6.21N–.08 127.05E–.08 35–1 4.8b,5.4b
IDC VIII 13 21 45 07.0–1.7 6.17N 126.96E 42–15 4.6L,4.4
BJI VIII 13 21 45 08.0 6.20N 127.10E 47 5.0b,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.9km az=42.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=9.1km az=68.0.
ISC VIII 14 01 27 41.3–.26 6.04N–.02 127.16E–.04 41–1 5.3b,4.7s 1028 1-174
MAN VIII 14 01 27 39.5 5.95N 127.38E 29 5.8b,5.3s **¶620986460**
MOS VIII 14 01 27 39.5–.86 6.14N 127.10E 35 5.5b,4.8s
GFZ VIII 14 01 27 40.4–.10 6N–2.0 127E–3.0 26 5.4b,5.3
IDC VIII 14 01 27 40.6–.92 6.05N 127.12E 35–6 5.0L,5.0
NEIC VIII 14 01 27 41.1–2.0 6.05N–.07 127.12E–.07 29–3 5.4b,5.1
GCMT VIII 14 01 27 44.1–.10 5.89N–.01 127.25E–.01 28–0 5.3W,5.1
DJA VIII 14 01 27 45.5–.50 6N–4.0 127E–2.0 57–4 5.7,5.7b
ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108140127A. Moment Tensor Solution. s102,c167; s123,c217;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.82±.02 $M_{\theta\theta}$0.22±.01; $M_{\phi\phi}$-1.04±.01; $M_{r\theta}$0.24±.03; $M_{\theta\phi}$-0.09±.01; $M_{\phi r}$0.38±.03; Best double couple: NP1: ϕ_s167.00000°,δ36.00000°,λ63.00000°. NP2:ϕ_s19.00000°,δ59.00000°,λ108.00000°. Principal axes: T 0.9600,Plg70.0000°,Azm330.0000°; N 0.1670,Plg15.0000°,Azm189.0000° ; P -1.1290,Plg12.0000°,Azm96.0000° $M_0$1.04400×10^{17}
ISC VIII 14 02 13 59.8–.99 6.01N–.03 127.11E–.05 66–9 4.4b 114 1-123
MAN VIII 14 02 13 55.0 6.06N 127.36E 26 5.0b,4.0s **¶621013428**
DJA VIII 14 02 13 57.0–.60 6N–3.0 127E–4.0 10 5.1b,4.7b
NEIC VIII 14 02 14 00.7–1.2 6.12N–.10 127.05E–.03 69–9 4.5b,4.7b
IDC VIII 14 02 14 02.2–1.9 6.18N 127.13E 86–15 4.2,3.9b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=2.3km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.4km s-min=11.5km az=60.0.
ISC VIII 14 19 22 19.2–.90 5.99N–.04 127.07E–.05 66–9 4.2b 149 1-123
IDC VIII 14 19 22 10.6–.66 6.67N 127.78E 0 4.2L,4.1 **¶621013545**
MAN VIII 14 19 22 13.8 5.99N 127.31E 24 5.3b,4.4s
NEIC VIII 14 19 22 17.8–1.4 6.08N–.08 127.08E–.06 51–8 4.4b,4.4s
DJA VIII 14 19 22 19.7–.60 6N–5.0 127E–3.0 42–12 5.2b,4.6b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 22 09 21.2–.64 5.89N–.04 127.44E–.07 10 4.1b 54 2-90
IDC VIII 14 22 09 18.7–.78 6.23N 127.89E 0 4.0b,4.0 **¶621013571**
NEIC VIII 14 22 09 19.7–2.0 6.03N–.10 127.68E–.10 10–8 4.2b,4.0
DJA VIII 14 22 09 29.5–1.4 6N–7.0 127E–6.0 14–16 5.4b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 03 56 32.2–.70 5.96N–.09 127.3E–.10 52 4.2b 27 2-85
IDC VIII 15 03 56 25.2–1.3 6.05N 127.61E 0 4.1b,4.1 **¶621023536**
NEIC VIII 15 03 56 31.3–.72 6.05N–.06 127.32E–.10 35–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 16 39 53.8–1.8 20.32N–.03 122.05E–.04 1–11 4.5b 275 1-89
IDC VIII 14 16 39 53.3–.47 20.24N 121.97E 0 4.3L,4.3b **¶620986723**
GFZ VIII 14 16 39 54.8–.32 20N–3.0 122E–6.0 10 4.6b,4.6
BJI VIII 14 16 39 54.8 20.51N 121.96E 5 4.9b,4.4s
NEIC VIII 14 16 39 55.0–2.1 20.36N–.07 122.08E–.08 10–1 4.6b,4.4s
JMA VIII 14 16 39 55.8–.89 21N–4.0 122E–2.0 24 4.8,4.4s
MAN VIII 14 16 39 55.6 20.29N 121.96E 11 5.6b,4.9s
ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=10.5km az=84.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.3km az=235.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. PHILIPPINE ISL REGION .
MAN Event type fe. INTENSITY IV - BASCO IVANA SABTANG AND UYUGAN BATANES.
ISC VIII 15 13 01 24.3–.52 5.99N–.07 127.27E–.09 10 4.3b 36 2-84
IDC VIII 15 13 01 23.8–.91 5.93N 127.12E 0 3.8b,3.8 **¶621023607**
NEIC VIII 15 13 01 24.9–1.3 6.01N–.08 127.32E–.07 9–5 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 05 50 16.3–.65 6.20N–.07 127.03E–.09 35 4.5s,4.3b 26 2-89
IDC VIII 15 05 50 11.6–1.0 6.19N 127.08E 0 4.2s,4.1b **¶621148105**
NEIC VIII 15 05 50 16.7–1.0 6.21N–.09 127.01E–.07 35–2 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 15 02 26 03.8–14 5.80N 127.04E 457–175 3.9,3.1b
¶621023525

IDC Error ellipse: s-maj=204.4km s-min=33.2km az=62.0.
DJA VIII 16 22 22 34.1–1.9 5N–4.0 127E–3.0 21–20 5.3b,4.7
¶626188644

IDC VIII 25 09 58 09.1–2.1 5.90N 127.11E 0 3.6b,3.6
¶621058922

IDC Error ellipse: s-maj=175.6km s-min=22.6km az=67.0.
MAN VIII 17 18 34 57.2 5.67N 127.37E 23 4.7b,3.6L
¶626362505

MAN Event type fe.
ISC VIII 17 19 43 37.0–1.7 6.64N–.04 127.36E–.06 23–13 3.9b 77 1-72
IDC VIII 17 19 43 32.5–.90 6.94N 127.58E 0 3.8b,3.8 **¶621030296**
NEIC VIII 17 19 43 34.8–1.5 6.8N–.10 127.38E–.06 10–1 4.0b,3.8
MAN VIII 17 19 43 37.0 6.64N 127.40E 26 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=13.4km az=55.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=7.9km az=21.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC VIII 17 19 53 05.7–.94 6.5N–.10 127.8E–.10 35 3.6b 10 2-72

IDC VIII 17 19 53 01.0–1.1 6.57N 127.89E 0 3.6L,3.6b **¶621030298**
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=14.4km az=49.0.
ISC VIII 17 19 54 39.6–.54 6.01N–.05 127.25E–.08 52 4.1b 54 2-84
IDC VIII 17 19 54 33.5–.70 6.38N 127.52E 0 3.9b,3.9 **¶621030299**
NEIC VIII 17 19 54 35.1–2.2 6.07N–.07 127.29E–.08 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 13 01 55.0–1.5 6.2N–.20 127.5E–.20 52 3.4b 8 2-60
IDC VIII 20 13 01 48.6–1.2 6.37N 127.71E 0 3.5,3.4b **¶621041281**
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=14.8km az=51.0.
ISC VIII 22 01 46 17.4–1.1 7.2N–.20 127.4E–.10 31 3.7b 9 2-82
IDC VIII 22 01 46 12.8–1.1 7.34N 127.55E 0 3.8b,3.8 **¶621043043**
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=21.0km az=22.0.
ISC VIII 25 13 59 07.0–1.5 5.8N–.30 127.2E–.40 10 3.4b 7 2-60
IDC VIII 25 13 59 05.7–1.5 5.75N 127.18E 0 4.0L,3.4b **¶621058943**
ISC Event type se.
IDC Error ellipse: s-maj=75.7km s-min=16.9km az=55.0.
ISC VIII 28 11 25 07.8–1.1 7.33N–.04 127.32E–.06 48–10 4.4b,3.4s 159 1-122
MAN VIII 28 11 25 02.6 7.31N 127.46E 20 5.4b,4.5s **¶621073102**
NEIC VIII 28 11 25 03.9–1.3 7.33N–.08 127.15E–.04 10–1 4.6b,4.5s
IDC VIII 28 11 25 09.7–1.9 7.26N 127.24E 65–18 4.3,3.9b
DJA VIII 28 11 25 11.9–.60 7N–5.0 127E–5.0 86–6 5.3b,4.7
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 25 08 00 40.7–3.4 20.00N 120.97E 0 3.8b,3.8
¶621058915
IDC Error ellipse: s-maj=311.3km s-min=21.2km az=62.0.
MAN VIII 29 06 53 00.1 6.07N 127.19E 13 5.1b,4.1s
¶626362507
MAN Event type fe.
ISC VIII 30 06 54 03.9–.89 6.3N–.10 127.3E–.20 35 3.8b 12 2-83
IDC VIII 30 06 53 58.7–.79 6.35N 127.39E 0 4.4L,4.0 **¶621076493**
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=12.9km az=57.0.
IDC VIII 30 10 20 47.2–1.7 5.97N 127.40E 0 4.0L,3.6
¶621076510
IDC Error ellipse: s-maj=65.6km s-min=16.7km az=49.0.
ISC IX 05 10 52 52.8–1.1 20.99N–.09 122.00E–.08 35 3.4b 44 1-46
IDC IX 05 10 52 48.7–1.3 20.81N 121.76E 0 3.5L,3.5b **¶621086404**
TAP IX 05 10 52 50.8 21.12N 122.06E 29–0 3.6L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=21.7km az=66.0.
TAP D.
ISC VIII 30 13 36 52.6–1.0 6.26N–.04 127.42E–.06 50–10 4.4b,3.4s 125 1-123
MAN VIII 30 13 36 49.0 6.25N 127.52E 25 5.1b,4.1s **¶621076521**
IDC VIII 30 13 36 52.9–2.3 6.19N 127.25E 54–21 4.1,3.8b
NEIC VIII 30 13 36 54.6–1.3 6.13N–.08 127.15E–.09 61–7 4.4b,3.8b
DJA VIII 30 13 36 54.7–1.2 6N–6.0 127E–7.0 29–14 4.6b,4.4b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 08 20 04 34.0–1.9 5.8N–.40 127E–1.0 35 3.7b 6 30-66
IDC IX 08 20 04 29.5–2.2 5.53N 126.32E 0 3.6b,3.6 **¶621105790**
ISC Event type se.
IDC Error ellipse: s-maj=222.8km s-min=25.6km az=69.0.
ISC IX 08 01 14 13.9–1.9 11.5N–.50 127E–1.0 40 3.8b 8 32-85
IDC IX 08 01 14 08.5–2.0 11.40N 126.43E 0 3.9b,3.9 **¶621105752**
ISC Event type se.
IDC Error ellipse: s-maj=201.0km s-min=20.2km az=69.0.
IDC IX 07 12 14 35.4–1.5 5.89N 127.14E 0 3.6b,3.6
¶621094322
IDC Error ellipse: s-maj=68.0km s-min=17.4km az=55.0.
ISC IX 07 14 00 26.1–1.5 5.77N–.05 127.17E–.06 16–9 4.3b,3.3s 65 1-82
IDC IX 07 14 00 23.4–.88 5.99N 127.51E 0 3.8b,3.8 **¶621094329**
NEIC IX 07 14 00 26.9–1.1 5.87N–.08 127.3E–.10 19–5 4.4b,3.8
MAN IX 07 14 00 26.6 5.30N 126.71E 13 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=44.2km s-min=12.9km az=55.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=8.2km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC IX 16 02 22 19.6–.68 5.8N–.10 127.5E–.10 10 4.2b 26 2-89
IDC IX 16 02 22 19.1–1.1 5.99N 127.65E 0 4.3L,4.1 **¶621112863**
NEIC IX 16 02 22 20.2–1.2 5.8N–.10 127.5E–.10 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 13 20 14 00.9–.82 5.28N–.06 127.08E–.10 35 4.2b 29 2-68
IDC IX 13 20 13 56.6–1.1 5.87N 127.61E 0 4.2L,3.9 **¶621109722**
NEIC IX 13 20 13 57.7–1.6 5.36N–.08 127.25E–.10 17–6 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 13 21 02 21.9–3.6 18.45N 119.80E 0 3.3b,3.3
¶621109723
IDC Error ellipse: s-maj=394.5km s-min=24.1km az=61.0.
ISC X 13 04 09 40.3–.58 17.65N–.08 119.4E–.10 32 4.2b 31 6-117
IDC X 13 04 09 35.5–.93 17.56N 119.40E 0 3.8b,3.8 **¶621238950**
NEIC X 13 04 09 38.2–1.5 17.66N–.08 119.4E–.10 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 04 03 02.2–.63 6.11N–.10 127.3E–.10 52 4.0b 34 2-90
IDC IX 22 04 02 55.3–.94 6.16N 127.53E 0 4.3L,3.9 **¶621118118**
NEIC IX 22 04 02 57.6–1.3 6.2N–.10 127.41E–.06 10–1 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 25 06 41 23.1–3.7 6.79N 127.33E 0 3.4b,3.4
¶621131440
IDC Error ellipse: s-maj=216.8km s-min=34.9km az=92.0.
ISC IX 30 08 47 09.5–.32 19.04N–.03 122.20E–.05 39–3 4.6b,3.7s 226 1-95
MAN IX 30 08 46 59.2 19.36N 122.24E 1 5.1b,4.2s **¶621113289**
GFZ IX 30 08 47 05.8–.33 19N–3.0 122E–5.0 10 4.9b,4.8b
NEIC IX 30 08 47 08.2–.86 18.98N–.07 122.24E–.07 30–5 4.7b,4.8b
BJI IX 30 08 47 10.9 19.35N 122.00E 30 4.9b,4.6b
DJA IX 30 08 47 10.1–.80 19N–6.0 122E–8.0 51–16 5.2b,4.7
IDC IX 30 08 47 14.4–3.5 18.91N 122.27E 89–33 4.4,4.1b
ISC Event type fe.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=5.9km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=12.6km az=73.0.
IDC IX 26 09 16 45.5–1.4 19.23N 121.42E 0 3.5L,3.3b
¶621131502
IDC Error ellipse: s-maj=72.3km s-min=25.2km az=74.0.
ISC X 09 23 13 45.2–.89 19.14N–.09 121.4E–.10 10 3.4b 24 4-83
IDC X 09 23 13 43.6–1.2 19.08N 121.56E 0 3.8L,3.4b **¶621235356**
NEIC X 09 23 13 44.9–1.8 19.09N–.09 121.3E–.10 10–2 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 10 23 48 02.8–1.2 17.3N–.20 120.0E–.20 33 3.6b 6 20-47
IDC X 10 23 47 58.2–1.2 17.32N 119.85E 0 4.1L,3.6b **¶621235409**
ISC Event type se.
IDC Error ellipse: s-maj=54.0km s-min=21.4km az=70.0.
ISC X 11 11 59 12.5–1.2 20.1N–.20 122.3E–.20 36 3.2b 7 18-51
IDC X 11 11 59 07.5–1.2 20.09N 122.32E 0 3.4,3.3b **¶621236879**
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=19.9km az=65.0.
ISC X 11 12 09 02.4–1.2 20.0N–.10 122.1E–.20 27 3.4b 8 18-51
IDC X 11 12 08 58.4–1.1 20.00N 122.11E 0 3.5b,3.5 **¶621236880**
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=19.1km az=65.0.
ISC X 03 13 23 18.8–.36 20.75N–.03 120.09E–.04 25 4.4b,3.5s 187 2-85
IDC X 03 13 23 14.4–.70 20.53N 120.05E 0 4.1b,4.1 **¶621117122**
NEIC X 03 13 23 16.2–2.0 20.64N–.09 120.0E–.10 10–1 4.7b,4.1
JMA X 03 13 23 17.7–.50 21N–2.0 120E–3.0 0 4.5,4.1
BJI X 03 13 23 19.7 21.18N 119.88E 9 4.7b,4.3b
MAN X 03 13 23 19.1 20.62N 120.32E 87 5.1b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=24.0km s-min=14.3km az=73.0.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=15.1km az=264.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. PHILIPPINE ISL REGION .
MAN Event type fe.
ISC X 14 21 19 07.9–1.8 6.85N–.03 127.52E–.05 30–13 4.6b,3.0s 264 1-123
NEIC X 14 21 19 05.6–1.6 6.74N–.06 127.30E–.08 10–1 4.7b,3.0s **¶621196198**
MAN X 14 21 19 07.0 6.98N 127.54E 25 5.3b,4.5s
DJA X 14 21 19 09.9–.90 7N–5.0 128E–3.0 26–11 5.1b,4.5b
IDC X 14 21 19 10.4–2.2 6.77N 127.36E 53–20 4.4,4.3L
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=4.5km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=22.3km s-min=10.2km az=70.0.
ISC X 15 22 44 44.7–.46 8.19N–.06 127.46E–.07 31 4.2b 59 2-98
NEIC X 15 22 44 42.5–1.6 8.24N–.07 127.42E–.06 10–1 4.4b **¶621242090**
IDC X 15 22 44 54.5–2.9 7.79N 127.23E 127–28 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=5.0km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.6km s-min=15.5km az=67.0.
ISC X 15 17 55 20.2–.70 5.52N–.03 127.14E–.05 108–6 4.5b 334 2-123
MAN X 15 17 55 19.2 5.48N 127.22E 99 5.2b,4.2s **¶621203281**
DJA X 15 17 55 20.7–.40 6N–4.0 127E–2.0 108–4 5.0b,4.9
NEIC X 15 17 55 21.2–1.4 5.49N–.06 127.01E–.08 109–7 4.5b,4.9
IDC X 15 17 55 22.0–1.2 5.46N 127.09E 121–9 4.5,4.1b
GFZ X 15 17 55 21.4–.23 5N–2.0 127E–3.0 120 6.1,6.1
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC X 19 14 20 53.2–2.9 6.46N 127.63E 0 3.5b,3.5
¶621244086
IDC Error ellipse: s-maj=252.4km s-min=24.0km az=67.0.
ISC X 19 02 11 17.1–1.2 13.65N–.02 119.92E–.04 25–8 4.4b,3.2s 100 0-87
NEIC X 19 02 11 15.1–1.1 13.96N–.10 120.7E–.20 10–0 4.5b,3.2s **¶621244057**
MAN X 19 02 11 15.3 13.63N 119.81E 10 5.0b,4.0s
IDC X 19 02 11 20.8–2.7 13.66N 120.03E 58–28 4.1,3.8b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=15.8km az=259.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - LUBANG OCCIDENTAL MINDORO.
IDC Error ellipse: s-maj=34.6km s-min=13.8km az=64.0.
ISC X 19 19 02 11.9–3.1 21.0N–.20 121.36E–.06 63–22 68 1-5
TAP X 19 19 02 12.2 21.04N 121.40E 45–0 3.5L **¶626602783**
JMA X 19 19 02 14.9–.90 22N–4.0 121E–1.0 0 3.9
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC X 20 07 10 05.4–1.1 6.2N–.20 127.1E–.20 100 3.8b 9 2-83
IDC X 20 07 10 05.3–3.4 6.17N 127.14E 100–30 3.7,3.3b **¶621246590**
ISC Event type se.
IDC Error ellipse: s-maj=56.3km s-min=16.7km az=64.0.
ISC X 21 18 00 21.1–.74 20.1N–.10 121.5E–.10 40 4.2b,3.1s 49 6-82
IDC X 21 18 00 15.8–.81 20.01N 121.44E 0 3.9L,3.8 **¶621261419**
NEIC X 21 18 00 20.8–1.1 20.1N–.10 121.5E–.10 32–6 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 23 07 27 36.3–1.9 5.05N 127.38E 0 3.8b,3.8
¶621309360
IDC Error ellipse: s-maj=159.2km s-min=22.0km az=66.0.
ISC X 23 23 08 29.8–.52 8.48N–.02 127.01E–.03 17–3 5.0b,4.2s 603 1-171
DJA X 23 23 08 19.1–2.5 10N–12 127E–4.0 25–16 5.6,5.4b **¶621238031**
MAN X 23 23 08 27.1 8.50N 127.18E 1 5.6b,4.9s
GFZ X 23 23 08 29.4–.14 9N–2.0 127E–4.0 10 5.4b,5.4L
NEIC X 23 23 08 29.1–1.6 8.57N–.07 127.02E–.07 10–1 5.1b,5.4L
BJI X 23 23 08 30.9 8.33N 126.78E 44 5.1b,4.9b
GCMT X 23 23 08 34.8–.20 8.44N–.02 127.15E–.01 18–0 5.0W,4.9b
IDC X 23 23 08 35.8–1.9 8.39N 126.83E 65–18 4.7,4.4b
ISC Event type fe.
MAN Event type fe. INTENSITY III - LINGIG SURIGAO DEL SUR.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=11.4km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110232308A. Moment Tensor Solution. s57,c74; s113,c178; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.31±.14 $M_{\theta\theta}$0.17±.08; $M_{\phi\phi}$-3.47±.10; $M_{r\theta}$0.10±.21; $M_{\theta\phi}$0.19±.05; $M_{\phi r}$3.40±.24; Best double couple: NP1:ϕ_s173.00000°,δ23.00000°,λ83.00000°. NP2:ϕ_s0.00000°,δ68.00000°,λ93.00000°. Principal axes: T 4.7280,Plg67.0000°,Azm276.0000°; N 0.1640,Plg3.0000°,Azm179.0000°; P -4.8850,Plg23.0000°,Azm88.0000° M_o4.80600×10^{16}
IDC Error ellipse: s-maj=17.2km s-min=9.4km az=77.0.
ISC X 26 13 43 12.1–.81 19.02N–.03 121.17E–.05 19–2 4.0b,3.1s 89 1-115
IDC X 26 13 43 08.8–.70 18.94N 121.34E 0 3.8b,3.7 **¶621366475**
NEIC X 26 13 43 10.3–1.1 18.96N–.07 121.3E–.10 5–4 4.4b,3.7
MAN X 26 13 43 13.8 19.20N 121.26E 18 5.1b,4.1s
ISC Event type fe.
IDC Error ellipse: s-maj=30.8km s-min=16.0km az=68.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=10.4km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC X 24 00 40 22.9–1.8 11.9N–.30 126.6E–.50 32 3.7b 6 27-56
IDC X 24 00 40 18.5–1.6 11.84N 126.52E 0 3.7b,3.7 **¶621366365**
ISC Event type se.
IDC Error ellipse: s-maj=76.9km s-min=21.0km az=64.0.
ISC X 30 16 09 38.2–.28 20.65N–.03 121.29E–.04 43 4.6b,3.7s 411 2-146
NIED X 30 16 09 33.9 20.76N 121.23E 0 4.6W,3.7s **¶621244506**
JMA X 30 16 09 33.9–.48 21N–2.0 121E–2.0 0 5.0,4.6
GFZ X 30 16 09 34.6–.14 21N–2.0 121E–3.0 10 5.6b,5.1

BJI X 30 16 09 36.4 20.81N 121.26E 22 4.6b,4.5L
NEIC X 30 16 09 37.1–1.8 20.65N–.06 121.30E–.08 29–5 4.7b,4.5L
MAN X 30 16 09 39.0 20.47N 121.60E 44 5.2b,4.3s
IDC X 30 16 09 39.6–2.0 20.55N 121.33E 61–18 4.4,4.1b
ISC Event type fe.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.65 $M_{\theta\theta}$0.45 $M_{\phi\phi}$0.20 $M_{r\theta}$0.70 $M_{\theta\phi}$0.39 $M_{\phi r}$0.20 NP1:ϕ_s38.00000°,δ24.00000°,λ-118.00000°. NP2:ϕ_s248.00000° ,δ69.00000°,λ-78.00000°. $M_0$1.01000×10^{16}
JMA Event type ke. PHILIPPINE ISL REGION .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.3km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=16.4km s-min=9.1km az=74.0.
ISC XI 06 17 46 57.7–2.5 9.6N–.70 128E–2.0 35 3.9b 7 30-87
IDC XI 06 17 46 53.0–2.0 9.45N 127.26E 0 3.7b,3.7 **¶621415994**
ISC Event type se.
IDC Error ellipse: s-maj=198.6km s-min=21.6km az=67.0.
ISC X 31 20 12 45.1–1.5 10.5N–.10 126.5E–.30 100 3.6b 8 3-56
IDC X 31 20 12 48.4–5.0 10.26N 126.23E 130–43 3.6,3.1b **¶621395271**
ISC Event type se.
IDC Error ellipse: s-maj=67.0km s-min=20.0km az=61.0.
IDC XI 01 17 04 53.4–1.4 6.59N 127.31E 0 3.6b,3.6
¶621401280
IDC Error ellipse: s-maj=34.2km s-min=14.8km az=30.0.
IDC XI 07 03 36 31.7–3.2 6.11N 127.55E 0 4.0s,3.5b
¶621416015
IDC Error ellipse: s-maj=292.3km s-min=23.2km az=67.0.
ISC XI 10 00 49 14.6–1.8 7.0N–.30 127.1E–.50 60 3.9b 6 1-93
IDC XI 10 00 49 07.0–1.6 7.12N 127.13E 0 4.5s,3.7b **¶621440037**
ISC Event type se.
IDC Error ellipse: s-maj=91.3km s-min=21.9km az=65.0.
IDC XI 07 19 30 05.2–3.0 7.52N 127.27E 0 3.7b,3.7
¶621416047
IDC Error ellipse: s-maj=282.3km s-min=29.2km az=67.0.
ISC XI 12 18 17 39.4–.77 6.68N–.07 127.01E–.09 10 3.8b 28 1-82
IDC XI 12 18 17 38.0–.86 6.92N 127.40E 0 3.8L,3.6b **¶621460221**
NEIC XI 12 18 17 41.7–2.0 6.69N–.07 126.96E–.08 23–6 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 16 15 38 00.8–.94 9.5N–.20 127.1E–.50 41 3.5b 8 3-145
IDC XI 16 15 37 55.0–.97 9.49N 127.08E 0 3.6b,3.6 **¶621475682**
ISC Event type se.
IDC Error ellipse: s-maj=73.6km s-min=21.3km az=73.0.
ISC XI 15 16 34 00.1–1.4 5.14N–.04 127.11E–.07 28–10 4.1b 79 1-71
IDC XI 15 16 33 54.9–1.1 5.46N 127.66E 0 4.2L,3.9b **¶621475640**
MAN XI 15 16 33 56.7 4.69N 126.76E 1 5.1b,4.2s
NEIC XI 15 16 34 01.5–1.7 5.21N–.07 127.16E–.08 30–7 4.2b,4.2s
DJA XI 15 16 34 04.2–.40 5N–3.0 127E–4.0 10 4.2b,4.0
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 14 17 13 01.8–1.9 5.31N 127.06E 0 3.4b,3.4
¶621468715
IDC Error ellipse: s-maj=111.3km s-min=28.1km az=70.0.
IDC XI 19 17 30 32.6–1.8 13.77N 119.31E 0 3.3,3.2b
¶621590304
IDC Error ellipse: s-maj=33.8km s-min=22.2km az=169.0.
ISC XI 18 17 17 03.2–.91 6.86N–.04 127.34E–.06 10 3.5b 61 1-55
IDC XI 18 17 17 02.4–1.6 7.03N 127.51E 0 3.8L,3.5 **¶621532489**
MAN XI 18 17 17 07.0 6.78N 127.10E 6 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=16.5km az=40.0.
MAN Event type fe.
ISC XI 19 20 07 03.5–.83 6.9N–.10 127.19E–.09 35 3.9b 24 2-81
IDC XI 19 20 06 58.0–1.4 7.03N 127.43E 0 4.4s,3.6b **¶621590313**
NEIC XI 19 20 07 03.8–2.3 6.90N–.09 127.16E–.09 35–2 4.0b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 20 08 24.5–.35 6.73N–.03 127.08E–.04 51–3 5.0b,4.8s 870 1-175
GFZ XI 19 20 08 20.8 6.91N 127.17E 28 5.2W,4.8s **¶621423310**
GFZ XI 19 20 08 21.0–.17 7N–2.0 127E–3.0 10 5.5b,5.4L
MAN XI 19 20 08 21.8 6.83N 127.11E 8 5.7b,5.1s
BJI XI 19 20 08 22.5 6.63N 126.98E 56 5.2b,5.1s
NEIC XI 19 20 08 22.0–1.4 6.81N–.06 127.01E–.06 27–4 5.2b,5.1s
MOS XI 19 20 08 22.1–.92 6.75N 126.94E 45 5.1b,5.1s
GCMT XI 19 20 08 25.8–.20 6.68N–.01 127.15E–.01 28–0 5.4W,5.1s
DJA XI 19 20 08 25.4–.60 7N–5.0 127E–2.0 45–4 5.5b,5.4
NEIC XI 19 20 08 25.6 6.80N 126.97E 61 5.5b,5.4
IDC XI 19 20 08 27.3–1.6 6.76N 126.83E 74–14 4.7s,4.6
NEIC XI 19 20 08 28 6.80N 127.57E 36 5.3,4.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}7.21 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-7.48 $M_{r\theta}$1.36 $M_{\theta\phi}$0.08 $M_{\phi r}$4.49 NP1: ϕ_s169.89208°,δ30.01774°,λ73.53181°. NP2:ϕ_s8.74207°,δ61.33120°,λ99.30166°. Principal axes: T 8.6783,Plg72.0814°,Azm300.5489°; N 0.0778,Plg8.1530°,Azm184.2492° ; P -8.7561,Plg15.8447°,Azm91.9189° $M_0$8.71744×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe. INTENSITY II - BAGANGA CARAGA MANAY AND TARRAGONA DAVAO ORIENTAL; . INTENSITY I - CITY OF DIGOS DAVAO DEL SUR.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.8km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.4km s-min=4.9km az=115.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111192008A. Moment Tensor Solution. s96,c140; s129,c232;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.16±.04 $M_{\theta\theta}$0.11±.02; $M_{\phi\phi}$-1.27±.03; $M_{r\theta}$0.18±.04; $M_{\theta\phi}$-0.22±.02; $M_{\phi r}$0.78±.04; Best double couple: NP1: ϕ_s186.00000°,δ29.00000°,λ85.00000°. NP2:ϕ_s11.00000°,δ61.00000°,λ93.00000°. Principal axes: T 1.3960,Plg73.0000°,Azm288.0000°; N 0.1380,Plg2.0000°,Azm190.0000° ; P -1.5370,Plg16.0000°,Azm99.0000° $M_0$1.46600×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=8.3km az=81.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.26 $M_{\theta\phi}$0.00 $M_{\phi r}$0.50 NP1:ϕ_s193.06000°,δ32.53000° ,λ112.93000°. NP2:ϕ_s346.42000°,δ60.31000°,λ76.05000°. Principal axes: T 1.1244,Plg71.0000°,Azm225.0000°; N -0.0170,Plg12.0000°,Azm353.0000° ; P -1.1074,Plg14.0000°,Azm87.0000° $M_0$1.12000×10^{17}
ISC XI 19 20 39 21.0–2.9 6.74N–.04 127.28E–.05 16–18 4.3b 116 1-84
IDC XI 19 20 39 19.0–.78 6.82N 127.45E 0 3.8b,3.8 **¶621590314**
NEIC XI 19 20 39 22.7–1.8 6.68N–.07 127.26E–.07 21–5 4.4b,3.8
MAN XI 19 20 39 22.7 6.81N 127.10E 7 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=11.9km az=54.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.4km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC XI 19 20 40 00.1–1.4 13.49N–.09 119.8E–.10 16 7 1-39
IDC XI 19 20 39 58.0–1.7 13.52N 119.76E 0 3.2b,3.2 **¶621590315**
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=20.1km az=149.0.
ISC XI 19 20 50 23.5–.73 6.83N–.10 127.3E–.10 31 3.9b 13 2-82
IDC XI 19 20 50 19.0–.78 6.94N 127.36E 0 3.7b,3.7 **¶621590316**
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=14.5km az=55.0.
ISC XI 20 05 37 58.3–1.5 7.1N–.20 127.4E–.10 31 3.6s,3.6b 7 2-89
IDC XI 20 05 37 53.7–1.3 7.09N 127.45E 0 3.6b,3.6 **¶621590338**
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=18.1km az=45.0.
ISC XI 19 21 16 25.9–1.5 6.6N–.20 127.2E–.20 35 3.6b 7 2-60
IDC XI 19 21 16 20.6–1.4 6.69N 127.35E 0 3.4b,3.4 **¶621590318**
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=18.0km az=48.0.
ISC XI 20 14 35 26.4–.91 6.84N–.04 127.11E–.06 53–9 4.4b,4.2s 192 1-90
MAN XI 20 14 35 18.3 6.75N 127.42E 3 5.2b,4.3s **¶621427731**
DJA XI 20 14 35 22.3–.90 7N–8.0 127E–3.0 101–9 5.2b,5.1
GFZ XI 20 14 35 29.1–.47 7N–3.0 127E–4.0 71–4 5.1b,5.1
IDC XI 20 14 35 29.3–2.1 6.83N 126.85E 80–19 4.1,4.1s
NEIC XI 20 14 35 30.9–2.1 6.88N–.09 126.80E–.09 86–7 4.3b,4.1s
ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 22 06 58.6–.40 7.03N–.06 127.21E–.06 60 4.3b 69 2-119
NEIC XI 19 22 06 53.6–.99 7.08N–.07 127.25E–.04 10–1 4.5b **¶621590319**
IDC XI 19 22 06 59.7–3.2 6.94N 127.12E 61–30 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=4.2km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.4km s-min=14.5km az=65.0.
ISC XI 19 22 13 52.9–.51 6.85N–.06 127.29E–.07 31 4.2b,3.0s 53 2-82
IDC XI 19 22 13 49.0–.67 6.95N 127.35E 0 4.1L,4.0 **¶621590320**
NEIC XI 19 22 13 50.4–.92 6.89N–.03 127.29E–.07 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 22 30 39.3–1.5 6.9N–.20 127.1E–.10 60 3.3b 7 2-59
IDC XI 19 22 30 41.3–5.9 6.79N 126.96E 77–50 3.4,3.1b **¶621590324**
ISC Event type se.
IDC Error ellipse: s-maj=76.0km s-min=19.2km az=64.0.
ISC XI 20 14 35 46.3–.78 6.76N–.03 127.06E–.05 58–7 4.6b,4.3s 228 1-149
MAN XI 20 14 35 45.0 6.86N 126.99E 10 5.5b,4.7s **¶621590366**
NEIC XI 20 14 35 47.0–2.0 6.89N–.09 127.02E–.06 54–8 4.7b,4.7s
IDC XI 20 14 35 46.6–1.6 6.84N 126.90E 60–14 4.4,4.1b
GCMT XI 20 14 35 47.8–.20 6.75N–.02 127.08E–.02 27–0 5.0W,4.1b
GFZ XI 20 14 35 47.6–.49 7N–3.0 127E–3.0 69–4 5.1,5.1b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111201435A. Moment Tensor Solution. s37,c47; s90,c135; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.02±.19 $M_{\theta\theta}$0.51±.11; $M_{\phi\phi}$-3.53±.12; $M_{r\theta}$1.07±.19; $M_{\theta\phi}$-0.63±.08; $M_{\phi r}$1.62±.18; Best double couple: NP1:ϕ_s173.00000°,δ33.00000° ,λ65.00000°. NP2:ϕ_s22.00000°,δ61.00000°,λ106.00000°. Principal axes: T 3.6630,Plg70.0000°,Azm326.0000°; N 0.4100,Plg13.0000°,Azm195.0000° ; P -4.0720,Plg14.0000°,Azm101.0000° $M_0$3.86800×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC XI 26 00 34 04.4–10 19.46N 122.09E 0 3.7b,3.7
¶621621970
IDC Error ellipse: s-maj=404.6km s-min=164.2km az=32.0.
ISC XI 24 15 42 44.0–.71 5.6N–.20 127.2E–.20 50 3.9b 15 2-90
IDC XI 24 15 42 46.0–2.2 5.62N 126.97E 71–19 3.7,3.4b **¶621613993**
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=11.6km az=60.0.
ISC XI 26 15 47 44.4–.58 10.19N–.03 126.38E–.04 44–5 4.6b,3.8s 385 0-165
DJA XI 26 15 47 39.9–3.0 11N–8.0 126E–4.0 11–19 5.6b,5.4 **¶621475715**
MAN XI 26 15 47 40.3 10.17N 126.45E 11 5.5b,4.8s
NEIC XI 26 15 47 43.7–1.8 10.20N–.07 126.2E–.10 35–1 4.6b,4.8s
IDC XI 26 15 47 44.6–1.4 10.18N 126.29E 46–13 4.5L,4.4
GFZ XI 26 15 47 50.5–.69 10N–4.0 126E–5.0 96–7 4.9L,4.8b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 26 17 12 25.0–.75 19.25N–.07 121.13E–.06 21–5 3.5b,2.9s 57 1-83
IDC XI 26 17 12 20.9–.82 18.98N 121.01E 0 3.5b,3.5 **¶621622019**
MAN XI 26 17 12 23.6 19.30N 121.10E 16 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=17.4km az=67.0.
MAN Event type fe.
ISC XI 26 23 14 08.8–1.3 10.14N–.02 126.45E–.05 23–9 4.2b,3.2s 151 0-146
IDC XI 26 23 14 05.6–.65 10.24N 126.47E 0 4.0b,4.0 **¶621622034**
MAN XI 26 23 14 08.0 10.16N 126.41E 4 5.0b,4.0s
NEIC XI 26 23 14 12.3–1.4 10.19N–.07 126.35E–.08 46–6 4.4b,4.0s
ISC Event type se.
MAN Event type fe. INTENSITY I - BURGOS SURIGAO DEL NORTE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 14 50 10.8–.41 11.08N–.06 126.46E–.09 37 4.3b,2.6s 86 4-96
IDC XI 26 14 50 05.6–.60 11.13N 126.58E 0 4.2L,4.2b **¶621480033**
NEIC XI 26 14 50 07.2–.94 11.09N–.07 126.50E–.05 10–1 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 02 06 37 12.7–1.8 6.09N 127.17E 0 3.5b,3.5
¶621629875
IDC Error ellipse: s-maj=136.3km s-min=20.8km az=70.0.
ISC XII 06 05 03 06.2–.45 5.03N–.06 127.22E–.08 76 4.2b 51 3-76
IDC XII 06 05 03 00.3–.94 5.13N 127.37E 0 4.2L,3.9 **¶621632573**
NEIC XII 06 05 03 06.2–.98 5.08N–.05 127.19E–.08 68–7 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 03 06 52 13.4–.51 19.82N–.07 121.47E–.09 40 4.3b,4.1s 54 3-87
IDC XII 03 06 52 07.5–.65 19.81N 121.46E 0 4.0b,4.0 **¶621630571**
NEIC XII 03 06 52 14.2–1.3 19.81N–.08 121.4E–.10 36–8 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 13 59 15.5–.88 19.2N–.10 122.6E–.20 35 3.6b 11 19-87
IDC XII 08 13 59 10.4–1.0 19.16N 122.61E 0 3.6L,3.6b **¶621634708**
ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=17.9km az=68.0.
IDC XII 08 14 13 25.0–1.3 10.55N 127.31E 0 4.1L,3.8
¶621634711
IDC Error ellipse: s-maj=43.1km s-min=17.0km az=88.0.
IDC XII 08 19 27 00.3–1.5 6.52N 127.79E 0 4.0L,3.6
¶621634743
IDC Error ellipse: s-maj=40.4km s-min=19.1km az=45.0.
IDC XII 11 01 29 11.3–1.5 7.46N 127.34E 0 3.6b,3.6
¶621644161
IDC Error ellipse: s-maj=29.2km s-min=21.6km az=37.0.
IDC XII 09 20 16 24.7–1.3 19.07N 121.38E 0 3.7L,3.4
¶621636594
IDC Error ellipse: s-maj=70.1km s-min=22.2km az=72.0.
ISC XII 09 00 18 34.6–.35 10.07N–.04 126.20E–.08 35 4.4b,3.5s 104 3-146
IDC XII 09 00 18 29.7–.54 10.11N 126.32E 0 4.8L,4.2b **¶621622878**

NEIC XII 09 00 18 35.1–1.4 10.04N–.05 126.18E–.07 35–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 09 12 44 59.0–.36 10.04N–.03 126.23E–.06 50–3 4.8b,3.9s 309 3-146
IDC XII 09 12 44 51.8–.40 9.99N 126.14E 0 4.4b,4.4 **¶621625204**
BJI XII 09 12 44 52.0 9.47N 126.33E 45 5.0b,4.5b
NEIC XII 09 12 44 57.8–1.6 10.02N–.04 126.13E–.09 35–1 4.9b,4.5b
DJA XII 09 12 45 04.0–.70 10N–4.0 126E–4.0 102–6 5.4,5.3b
GFZ XII 09 12 45 05.1–.66 10N–3.0 126E–5.0 106–6 5.6b,5.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC XII 11 14 18 05.8–1.8 5.17N 127.07E 0 3.6,3.5b
¶621644195
IDC Error ellipse: s-maj=120.4km s-min=21.0km az=70.0.
ISC XII 13 04 36 00.3–.94 10.2N–.20 126.4E–.50 35 4.0b 9 31-146
IDC XII 13 04 35 55.1–.93 10.19N 126.38E 0 3.8b,3.8 **¶621650551**
ISC Event type se.
IDC Error ellipse: s-maj=87.2km s-min=19.5km az=68.0.
ISC XII 11 21 12 13.3–.89 5.24N–.09 127.1E–.10 76 3.9b 17 2-96
IDC XII 11 21 12 05.3–1.7 5.08N 126.37E 0 3.8b,3.8 **¶621644215**
NEIC XII 11 21 12 13.9–.51 5.24N–.09 127.1E–.20 79–8 4.0b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 18 41 36.4–.37 5.73N–.04 127.12E–.05 66–3 4.8b 501 2-142
BJI XII 14 18 41 32.1 5.24N 127.00E 68 5.1b,4.6b **¶621629986**
NEIC XII 14 18 41 36.0–1.5 5.74N–.06 127.12E–.08 61–5 4.9b,4.6b
GFZ XII 14 18 41 36.8–.35 6N–2.0 127E–4.0 66–2 5.4b,5.0
DJA XII 14 18 41 37.7–.40 6N–3.0 127E–3.0 76–3 6.3,6.2
IDC XII 14 18 41 37.6–1.4 5.74N 127.08E 72–10 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.4km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.2km s-min=5.2km az=84.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=16.4km s-min=8.9km az=68.0.
ISC XII 13 18 33 21.0–.50 10.11N–.06 126.4E–.20 42 4.3b 49 3-146
IDC XII 13 18 33 15.3–.62 10.23N 126.52E 0 4.1b,4.1 **¶621650592**
NEIC XII 13 18 33 20.9–1.3 10.18N–.04 126.4E–.20 35–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 13 01 18.3–.90 10.15N–.06 126.3E–.10 21–15 4.3b 81 3-146
IDC XII 15 13 01 15.8–.56 10.21N 126.39E 0 4.7L,4.1b **¶621654111**
NEIC XII 15 13 01 20.7–1.3 10.15N–.03 126.3E–.10 35–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 06 09 21.9–.71 5.15N–.08 127.8E–.10 10 4.0b,2.9s 28 3-76
IDC XII 15 06 09 19.8–1.0 5.17N 127.97E 0 4.7L,4.0 **¶621654080**
NEIC XII 15 06 09 22.8–2.1 5.16N–.06 127.77E–.07 10–1 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 13 11 44.1–.31 10.17N–.03 126.46E–.05 48–2 4.8b,4.5s 415 3-165
IDC XII 15 13 11 38.5–.40 10.21N 126.38E 0 4.7b,4.7 **¶621630743**
BJI XII 15 13 11 40.5 9.78N 126.59E 60 5.1b,4.9s
NEIC XII 15 13 11 42.4–1.4 10.18N–.07 126.30E–.02 35–1 5.0b,4.9s
GCMT XII 15 13 11 45.1–.20 10.24N–.01 126.65E–.01 16–0 5.2W,4.9s
GFZ XII 15 13 11 51.2–.61 10N–3.0 127E–5.0 106–6 5.6,5.4L
DJA XII 15 13 12 14.4–.80 8N–7.0 126E–3.0 141–4 5.4,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112151311A. Moment Tensor Solution. s66,c90; s122,c208; Duration: 1i0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.12±.17 $M_{\theta\theta}$-0.08±.09; $M_{\phi\phi}$-5.04±.12; $M_{r\theta}$-0.11±.30; $M_{\theta\phi}$0.72±.06; $M_{\phi r}$5.71±.38; Best double couple: NP1:ϕ_s167.00000°,δ21.00000°,λ80.00000°. NP2:ϕ_s357.00000°,δ69.00000°,λ94.00000°. Principal axes: T 7.6880,Plg66.0000°,Azm274.0000°; N -0.0170,Plg3.0000°,Azm176.0000°; P -7.6680,Plg24.0000°,Azm84.0000° $M_0$7.67800×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 15 13 16 55.5–3.2 10.13N–.05 126.30E–.08 13–20 4.5b 114 3-147
IDC XII 15 13 16 54.3–.52 10.24N 126.40E 0 4.4L,4.3b **¶621654114**
NEIC XII 15 13 16 59.2–1.1 10.13N–.06 126.28E–.07 35–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 15 17 19 59.7–1.9 15.13N 118.41E 0 3.7L,3.4b
¶621654128
IDC Error ellipse: s-maj=83.3km s-min=25.2km az=51.0.
IDC XII 19 22 36 18.3–1.4 8.36N 127.31E 0 3.7b,3.7
¶621657109
IDC Error ellipse: s-maj=28.9km s-min=20.8km az=98.0.
ISC XII 18 00 29 06.7–.58 10.27N–.08 126.4E–.20 44 4.5b,3.3s 38 3-146
IDC XII 18 00 29 00.1–.58 10.27N 126.52E 0 4.5L,4.3b **¶621657141**
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=11.3km az=76.0.
ISC XII 18 12 27 22.5–.46 10.37N–.06 126.65E–.10 44 4.4b 53 3-98
IDC XII 18 12 27 17.1–.76 10.43N 126.73E 0 4.0b,4.0 **¶621657002**
NEIC XII 18 12 27 18.8–.90 10.42N–.08 126.7E–.10 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 25 01 11 34.1–39 5.51N 127.40E 0 3.5b,3.5
¶621700127
IDC Error ellipse: s-maj=654.3km s-min=257.4km az=156.0.
ISC XII 22 02 41 51.3–1.3 10.0N–.40 126E–1.0 54 3.8b 7 19-84
IDC XII 22 02 41 44.2–1.5 10.06N 126.21E 0 3.7b,3.7 **¶621686737**
ISC Event type se.
IDC Error ellipse: s-maj=169.9km s-min=18.7km az=68.0.
ISC XII 23 06 03 55.0–1.1 19.9N–.20 122.5E–.20 36 3.6b 8 18-86
IDC XII 23 06 03 49.7–1.1 19.91N 122.54E 0 3.6b,3.6 **¶621648340**
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=19.9km az=62.0.
ISC XII 24 18 42 12.5–.59 19.18N–.06 121.1E–.10 39 4.0b 56 4-88
IDC XII 24 18 42 07.0–.83 19.09N 121.45E 0 3.8L,3.6b **¶621700096**
NEIC XII 24 18 42 10.2–2.3 19.13N–.03 121.0E–.10 20–6 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 24 08 36 17.4–3.4 7.77N 127.65E 0 3.4b,3.4
¶621700076
IDC Error ellipse: s-maj=282.1km s-min=24.3km az=67.0.

(249) Luzon.

ISC VII 02 00 23 05.6–1.3 14.13N–.03 123.58E–.03 2–9 3.8b,2.6s 83 0-81
MAN VII 02 00 23 06.4 14.13N 123.56E 1 5.0b,4.0s **¶620927702**
IDC VII 02 00 23 07.8–1.1 13.72N 123.87E 0 4.7L,3.9b
ISC Event type se.
MAN Event type fe. INTENSITY IV - SAN JOSE CAMARINES SUR; CITY OF NAGA ; . INTENSITY III - LAGONOY AND PILI CAMARINES SUR.
IDC Error ellipse: s-maj=29.4km s-min=16.9km az=42.0.
ISC VII 10 20 29 12.4–1.1 12.6N–.20 123.5E–.20 13 3.4b 9 3-53
IDC VII 10 20 29 17.1–3.9 12.59N 123.35E 49–40 4.6L,3.5 **¶620928377**
ISC Event type se.
IDC Error ellipse: s-maj=44.9km s-min=18.4km az=68.0.
MAN VII 14 14 55 13.0 17.54N 121.33E 15 5.0b,4.0s
¶626333109
MAN Event type fe.
ISC VII 15 10 27 42.5–1.3 19.00N–.03 121.06E–.04 9–8 4.1b,3.2s 113 0-88
IDC VII 15 10 27 40.9–.54 18.96N 121.14E 0 4.0b,4.0 **¶620829519**
NEIC VII 15 10 27 42.9–1.2 18.97N–.04 121.1E–.10 10–1 4.3b,4.0
MAN VII 15 10 27 44.0 19.22N 120.88E 6 5.2b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=12.1km az=87.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=5.5km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY II - SANTA PRAXEDES CAGAYAN.
IDC VII 16 07 05 48.4–3.1 16.31N 122.19E 0 3.5b,3.5
¶620928701
IDC Error ellipse: s-maj=302.5km s-min=22.0km az=63.0.
ISC VII 23 21 04 07.2–.90 12.44N–.09 123.4E–.10 300 4.0b 28 6-58
NEIC VII 23 21 04 06.3–1.4 12.47N–.10 123.4E–.20 285–12 4.2b **¶620967940**
IDC VII 23 21 04 12.5–3.6 12.49N 123.57E 356–89 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=14.1km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=90.4km s-min=41.7km az=134.0.
IDC VII 24 05 17 05.0–1.5 15.10N 120.47E 0 3.7b,3.7
¶620970201
IDC Error ellipse: s-maj=69.5km s-min=16.4km az=61.0.
IDC VII 26 04 40 14.2–2.0 14.87N 119.09E 0 3.9b,3.9
¶620973810
IDC Error ellipse: s-maj=305.0km s-min=27.8km az=62.0.
ISC VII 28 20 43 18.7–.54 14.60N–.08 119.29E–.09 36 4.1b,3.0s 46 2-86
IDC VII 28 20 43 13.2–.70 14.55N 119.14E 0 3.8b,3.8 **¶620979635**
NEIC VII 28 20 43 15.8–1.7 14.62N–.05 119.4E–.20 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 03 07 26 13.8–1.2 14.91N–.02 119.62E–.04 17–7 4.6b,4.2s 129 1-153
IDC VIII 03 07 26 10.8–.53 14.75N 119.60E 0 4.3b,4.3 **¶620995854**
NEIC VIII 03 07 26 12.4–.79 14.75N–.08 119.7E–.20 10–1 4.7b,4.3
MAN VIII 03 07 26 14.4 14.99N 119.59E 15 5.1b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=11.2km az=59.0.
NEIC Event type se. Error ellipse: s-maj=32.1km s-min=13.0km az=271.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY I - SAN FELIPE ZAMBALES.
ISC VIII 03 12 58 43.6–.41 14.96N–.02 119.70E–.05 22–4 4.5b,4.0s 175 1-119
MAN VIII 03 12 58 43.1 15.03N 119.64E 15 5.2b,4.3s **¶620961705**
NEIC VIII 03 12 58 45.5–.89 14.92N–.06 119.8E–.10 35–2 4.6b,4.3s
IDC VIII 03 12 58 47.4–2.2 14.97N 119.87E 56–22 4.2,3.9b
ISC Event type se.
MAN Event type fe. INTENSITY II - SAN FELIPE ZAMBALES.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=10.7km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=13.4km az=66.0.
ISC VIII 10 15 12 51.3–.61 15.47N–.08 120.7E–.10 150 3.9b 36 7-79
NEIC VIII 10 15 12 50.3–1.5 15.5N–.10 120.7E–.20 132–9 4.2b **¶621008120**
IDC VIII 10 15 13 12.0–9.6 15.28N 120.54E 364–110 3.8,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=14.8km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=104.3km s-min=14.9km az=65.0.
IDC VIII 15 19 49 54.8–3.4 14.37N 121.96E 0 3.7s,3.6b
¶621023658
IDC Error ellipse: s-maj=394.0km s-min=26.0km az=65.0.
ISC VIII 10 15 50 47.6–.73 16.75N–.09 119.3E–.10 30 3.5b 16 6-53
IDC VIII 10 15 50 43.1–1.1 16.65N 119.22E 0 4.1L,3.4b **¶621008122**
NEIC VIII 10 15 50 45.8–1.4 16.75N–.06 119.4E–.20 10–2 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 14 09 22 59.4–3.2 16.66N 119.25E 0 3.6b,3.6
¶621013474
IDC Error ellipse: s-maj=353.2km s-min=28.5km az=61.0.
ISC VIII 22 09 13 52.4–.95 15.53N–.03 119.45E–.05 41–9 4.2b 129 1-153
MAN VIII 22 09 13 50.4 15.61N 119.47E 16 5.1b,4.1s **¶621043072**
NEIC VIII 22 09 13 54.1–1.1 15.53N–.08 119.7E–.10 59–7 4.4b,4.1s
IDC VIII 22 09 13 56.0–1.8 15.48N 119.50E 74–18 3.9,3.6b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=11.1km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.8km s-min=11.6km az=64.0.
ISC VIII 22 15 56 00.9–.80 16.17N–.02 121.81E–.03 31–6 3.9b 83 0-62
IDC VIII 22 15 55 55.6–1.7 16.44N 122.23E 0 4.2L,4.1s **¶621043106**
NEIC VIII 22 15 55 58.8–1.3 16.36N–.09 122.28E–.09 24–7 4.3b,4.1s
MAN VIII 22 15 56 00.5 16.16N 121.81E 23 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=22.0km az=83.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.4km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC IX 05 18 24 05.6–1.0 15.5N–.20 119.5E–.30 31 3.6b 8 34-78
IDC IX 05 18 24 01.0–.93 15.53N 119.48E 0 3.7b,3.7 **¶621086416**
ISC Event type se.
IDC Error ellipse: s-maj=58.6km s-min=19.1km az=67.0.
IDC VIII 30 07 21 44.2–6.1 17.85N 122.03E 0 3.6,3.5b
¶621076496
IDC Error ellipse: s-maj=339.7km s-min=31.7km az=91.0.
ISC IX 03 21 23 21.1–.86 13.10N–.03 124.18E–.04 44–9 4.5b,3.4s 160 1-96
MAN IX 03 21 23 17.9 13.19N 124.23E 20 5.4b,4.6s **¶621081591**
NEIC IX 03 21 23 22.6–1.7 12.92N–.07 124.1E–.10 56–7 4.6b,4.6s
IDC IX 03 21 23 25.0–2.8 12.94N 124.09E 81–26 4.1,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - RAPU-RAPU ALBAY; BARCELONA BULUSAN JUBAN PRIETO DIAZ AND CITY OF SORSOGON SORSOGON ; . INTENSITY III - CITY OF LEGAZPI ALBAY; MAGALLANES SORSOGON ; . INTENSITY II - SANTO DOMINGO ALBAY; BULAN AND IROSIN SORSOGON ; . INTENSITY I - DARAGA ALBAY.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.4km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.6km s-min=11.6km az=71.0.
IDC X 03 13 54 58.9–1.4 14.06N 121.13E 135–7 3.3,2.9b
¶621186134
IDC Error ellipse: s-maj=53.5km s-min=24.7km az=58.0.
ISC IX 08 03 40 41.9–.58 14.49N–.08 120.5E–.10 100 4.3b 39 1-79
NEIC IX 08 03 40 40.7–1.1 14.5N–.10 120.41E–.05 74–10 4.6b **¶621105763**
IDC IX 08 03 40 41.7–.61 14.69N 120.72E 91–12 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=6.7km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.2km s-min=23.1km az=54.0.
ISC IX 24 22 08 01.4–.80 17.50N–.03 120.16E–.05 49–9 4.0b,2.9s 71 1-77
IDC IX 24 22 07 54.1–.96 17.42N 120.69E 0 3.8b,3.8 **¶621126467**

NEIC IX 24 22 07 59.7–.89 17.20N–.08 120.5E–.10 39–7 4.2b,3.8
MAN IX 24 22 08 01.6 17.50N 120.13E 24 5.0b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=56.4km s-min=15.8km az=61.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=8.8km az=62.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - CAOAYAN SINAIT AND CITY OF VIGAN ILOCOS SUR ; . INTENSITY II - BANTAY SAN ILDEFONSO AND SAN JUAN ILOCOS SUR.
ISC X 01 12 48 23.5–.52 18.58N–.03 121.13E–.04 75–5 4.5b 295 0-116
DJA X 01 12 48 19.2–.30 18N–3.0 121E–4.0 10 5.3b,5.0 **¶621116076**
MAN X 01 12 48 21.6 18.73N 121.04E 50 5.5b,4.8s
NEIC X 01 12 48 22.5–1.3 18.48N–.02 121.2E–.10 66–7 4.5b,4.8s
GFZ X 01 12 48 24.1–.39 19N–3.0 121E–4.0 70–4 5.6b,5.0
BJI X 01 12 48 24.0 18.55N 120.97E 66 4.5b,4.4b
IDC X 01 12 48 26.8–1.8 18.46N 121.31E 113–17 4.4,3.9b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - FLORA APAYAO; BACARRA BANGUI BURGOS PAGUDPUD AND PASUQUIN ILOCOS NORTE; ABULUG ALLACAPAN CLAVERIA PAMPLONA AND SANCHEZ-MIRA CAGAYAN ; . INTENSITY III - CITY OF BATAC CITY OF LAOAG AND SAN NICOLAS ILOCOS NORTE; ALCALA AMULUNG SANTA ANA AND SANTA PRAXEDES CAGAYAN; . INTENSITY II - CURRIMAO ILOCOS NORTE; PENABLANCA AND TUGUEGARAO CITY CAGAYAN ; . INTENSITY I - BADOC ILOCOS NORTE; SINAIT ILOCOS SUR.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=2.6km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=15.4km s-min=9.3km az=71.0.
ISC IX 16 11 53 12.0–.68 15.28N–.03 119.88E–.04 67–6 4.4b 127 0-95
MAN IX 16 11 53 12.0 15.34N 119.94E 53 5.1b,4.1s **¶621112884**
IDC IX 16 11 53 15.5–1.6 15.19N 120.15E 111–16 4.2,3.8b
NEIC IX 16 11 53 15.9–1.9 15.34N–.08 120.1E–.20 101–8 4.4b,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY II - CABANGAN SAN FELIPE AND SAN MARCELINO ZAMBALES ; . INTENSITY I - MASINLOC AND PALAUIG ZAMBALES.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 11 07 49.0–.74 18.74N–.07 121.3E–.10 10 3.9b,2.6s 33 4-115
IDC IX 23 11 07 47.1–.75 18.64N 121.41E 0 4.1L,3.7b **¶621125849**
NEIC IX 23 11 07 52.4–2.2 18.7N–.10 121.2E–.20 22–7 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 21 04 55.7–.92 14.8N–.20 120.4E–.20 35 4.0b 13 1-55
IDC IX 26 21 04 51.5–.89 14.93N 120.36E 0 3.7,3.6b **¶621131536**
ISC Event type se.
IDC Error ellipse: s-maj=55.0km s-min=13.1km az=58.0.
ISC X 04 21 31 54.3–.82 16.74N–.02 121.54E–.03 13–5 4.2b,2.6s 106 0-85
NEIC X 04 21 31 53.7–1.4 16.7N–.10 121.6E–.20 10–1 4.3b,2.6s **¶621203140**
MAN X 04 21 31 53.0 16.77N 121.55E 2 5.2b,4.2s
IDC X 04 21 31 59.6–6.2 16.68N 121.69E 65–59 3.9,3.6b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=16.4km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - DIADI NUEVA VIZCAYA ; . INTENSITY III - CORDON ISABELA; BAGABAG NUEVA VIZCAYA ; . INTENSITY II - CITY OF CAUAYAN ISABELA; CITY OF SANTIAGO; AGLIPAY QUIRINO.
IDC Error ellipse: s-maj=36.1km s-min=15.3km az=66.0.
ISC X 14 06 45 52.4–.57 14.60N–.09 120.4E–.10 126 3.9b 31 1-79
IDC X 14 06 45 51.2–.78 14.66N 120.35E 109–8 4.1,3.6b **¶621240622**
NEIC X 14 06 45 52.2–.69 14.65N–.10 120.3E–.20 114–8 4.0b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 14 14 08 37.0–.57 13.57N–.02 123.09E–.02 10 3.8b,3.2s 114 0-88
IDC X 14 14 08 35.2–1.1 13.56N 123.48E 0 5.0L,3.8b **¶621240642**
MAN X 14 14 08 36.2 13.57N 123.10E 1 5.2b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=37.1km s-min=16.7km az=55.0.
MAN Event type fe. INTENSITY VI - CALABANGA MINALABAC AND PILI CAMARINES SUR; CITY OF NAGA ; . INTENSITY V - CANAMAN AND SIPOCOT CAMARINES SUR ; . INTENSITY IV - CAMALIGAN GAINZA AND OCAMPO CAMARINES SUR ; . INTENSITY III - CITY OF IRIGA CAMARINES SUR ; . INTENSITY II - CITY OF LEGAZPI ALBAY; BUHI CAMARINES SUR.
ISC X 17 10 51 55.3–1.1 13.60N–.02 123.15E–.02 4–8 3.6b,3.3s 113 0-150
IDC X 17 10 51 54.2–.90 13.57N 123.46E 0 5.1L,3.6b **¶621242881**
MAN X 17 10 51 55.6 13.66N 123.16E 6 5.1b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=29.8km s-min=15.2km az=46.0.
MAN Event type fe. INTENSITY V - CANAMAN AND PAMPLONA CAMARINES SUR; CITY OF NAGA ; . INTENSITY IV - CALABANGA CAMALIGAN LIBMANAN MILAOR PILI AND SAN FERNANDO CAMARINES SUR ; . INTENSITY III - LUPI AND SIPOCOT CAMARINES SUR.
ISC X 14 17 20 59.2–1.0 13.63N–.02 123.17E–.02 11–7 4.2b,3.5s 151 0-150
IDC X 14 17 20 56.6–.75 13.62N 123.56E 0 4.6L,3.9b **¶621240651**
MAN X 14 17 20 58.1 13.65N 123.14E 1 5.2b,4.3s
NEIC X 14 17 20 59.8–2.2 13.61N–.09 123.3E–.10 10–1 4.4b,4.3s
ISC Event type fe.
MAN Event type fe. INTENSITY VI - CALABANGA MINALABAC AND PILI CAMARINES SUR; CITY OF NAGA ; . INTENSITY V - SIPOCOT CAMARINES SUR ; . INTENSITY IV - CANAMAN MILAOR AND SAN FERNANDO CAMARINES SUR ; . INTENSITY III - CITY OF IRIGA AND OCAMPO CAMARINES SUR ; . INTENSITY II - CITY OF LEGAZPI ALBAY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 17 16 32 50.3–.52 14.51N–.08 123.35E–.07 33 4.1b 30 2-89
IDC X 17 16 32 46.9–1.7 14.51N 123.33E 0 4.5L,3.3b **¶621242891**
NEIC X 17 16 32 51.1–1.5 14.51N–.06 123.4E–.10 33–5 4.4b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 20 21 48 45.7–.46 18.56N–.05 120.92E–.09 41 4.2b,3.2s 64 4-116
NEIC X 20 21 48 46.2–1.3 18.56N–.08 121.0E–.10 42–8 4.3b,3.2s **¶621229627**
IDC X 20 21 48 48.0–4.1 18.56N 121.28E 54–37 4.0,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=10.9km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.6km s-min=12.4km az=67.0.
ISC X 22 05 19 42.6–1.2 14.48N–.03 123.55E–.03 13–7 4.6b,3.6s 176 1-97
MAN X 22 05 19 43.9 14.54N 123.39E 1 5.2b,4.4s **¶621236067**
GFZ X 22 05 19 47.3–.51 14N–4.0 124E–4.0 61–5 5.3b,4.7
NEIC X 22 05 19 50.7–1.2 14.46N–.09 123.4E–.10 68–8 4.5b,4.7
IDC X 22 05 19 55.0–2.5 14.09N 122.94E 114–24 4.1,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY III - LABO AND SAN VICENTE CAMARINES NORTE ; . INTENSITY II - DAET PARACALE AND VINZONS CAMARINES NORTE ; . INTENSITY I - GUINAYANGAN QUEZON.
GFZ Error ellipse: s-maj=10.9km s-min=6.8km az=53.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=12.7km az=67.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.9km s-min=12.2km az=60.0.
ISC XI 11 09 38 44.6–1.1 13.37N–.03 124.78E–.04 32–8 4.4b,3.4s 171 1-150
MAN XI 11 09 38 42.1 13.37N 124.88E 1 5.3b,4.4s **¶621449521**
NEIC XI 11 09 38 45.7–1.6 13.32N–.08 124.7E–.10 34–2 4.6b,4.4s
IDC XI 11 09 38 49.6–2.2 13.25N 124.83E 79–19 4.2,3.9b
ISC Event type se.
MAN Event type fe. INTENSITY I - BARAS CATANDUANES.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=11.1km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=9.0km az=82.0.
ISC X 28 03 53 22.0–1.1 17.9N–.20 122.9E–.40 35 3.7b 8 20-93
IDC X 28 03 53 17.0–1.1 17.84N 122.82E 0 3.7b,3.7 **¶621391384**
ISC Event type se.
IDC Error ellipse: s-maj=69.1km s-min=18.6km az=70.0.
ISC X 22 19 44 48.3–1.1 13.60N–.02 123.17E–.02 6–7 4.2b,3.3s 148 0-150
IDC X 22 19 44 46.5–.87 13.59N 123.48E 0 5.1L,3.9b **¶621309343**
MAN X 22 19 44 48.3 13.65N 123.16E 1 5.2b,4.2s
NEIC X 22 19 44 53.5–1.8 13.57N–.10 123.2E–.10 41–7 4.4b,4.2s
ISC Event type fe.
MAN Event type fe. INTENSITY V - CANAMAN MILAOR PASACAO PILI AND SIPOCOT CAMARINES SUR; CITY OF NAGA ; . INTENSITY IV - CAMALIGAN LIBMANAN OCAMPO AND PAMPLONA CAMARINES SUR ; . INTENSITY III - BALATAN CAMARINES SUR ; . INTENSITY II - LAGONOY AND SAN JOSE CAMARINES SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 07 20 30 59.8–1.2 18.55N–.05 120.76E–.05 27–8 3.8b,2.6s 56 0-83
IDC XI 07 20 30 54.1–1.1 18.44N 121.21E 0 5.0L,3.7b **¶621416049**
MAN XI 07 20 31 01.2 18.30N 120.81E 8 5.3b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=48.0km s-min=15.7km az=68.0.
MAN Event type fe. INTENSITY IV - BACARRA BANGUI BURGOS CITY OF LAOAG PAGUDPUD AND PASUQUIN ILOCOS NORTE ; . INTENSITY III - CITY OF BATAC PAOAY SAN NICOLAS SARRAT AND VINTAR ILOCOS NORTE ; . INTENSITY II - CLAVERIA AND SANTA PRAXEDES CAGAYAN ; . INTENSITY I - SINAIT ILOCOS SUR.
ISC XI 09 23 46 12.4–1.6 18.81N–.04 122.49E–.06 12–10 3.7b,3.3s 40 1-78
IDC XI 09 23 46 10.9–.97 18.72N 122.41E 0 3.9L,3.8 **¶621423173**
MAN XI 09 23 46 12.6 19.09N 122.23E 14 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=18.2km az=76.0.
MAN Event type fe.
IDC X 22 17 10 25.0–14 17.02N 121.44E 0 3.2,3.1b
¶621309333
IDC Error ellipse: s-maj=430.5km s-min=33.7km az=35.0.
ISC X 27 23 46 01.8–.95 17.8N–.10 122.7E–.20 35 3.7b 13 20-78
IDC X 27 23 45 56.7–.87 17.80N 122.77E 0 3.8b,3.8 **¶621385480**
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=17.7km az=68.0.
IDC XI 27 16 45 40.4–2.8 14.08N 120.88E 0 3.2b,3.2
¶621625134
IDC Error ellipse: s-maj=339.3km s-min=23.3km az=63.0.
IDC XI 20 19 48 10.6–3.1 13.37N 124.25E 0 3.3b,3.3
¶621590378
IDC Error ellipse: s-maj=241.3km s-min=29.2km az=64.0.
ISC XI 22 06 25 09.9–.82 12.7N–.10 122.1E–.20 19 3.9b,3.1s 11 2-150
IDC XI 22 06 25 07.0–.81 12.67N 122.15E 0 3.8b,3.8 **¶621611893**
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=14.0km az=60.0.
ISC XII 07 00 31 20.5–.62 14.27N–.08 119.5E–.10 36 4.2b 40 1-86
IDC XII 07 00 31 16.0–.76 14.23N 119.19E 0 4.0b,4.0 **¶621632633**
NEIC XII 07 00 31 17.7–1.2 14.28N–.09 119.5E–.20 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 02 11 23 13.0–.78 12.86N–.09 123.9E–.10 10 4.3b 30 3-83
IDC XII 02 11 23 11.7–.97 12.86N 123.91E 0 4.8L,4.0 **¶621629888**
NEIC XII 02 11 23 13.6–1.4 12.87N–.03 123.8E–.20 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 07 21 52 30.4–.80 14.09N–.08 120.8E–.20 148–7 3.9b 37 0-92
NEIC XII 07 21 52 29.4–.78 14.10N–.10 120.9E–.20 134–10 4.0b **¶621632703**
IDC XII 07 21 52 30.4–.57 14.06N 120.76E 144–6 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=14.0km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.2km s-min=12.8km az=62.0.
ISC XII 10 10 57 26.6–.56 16.32N–.06 120.7E–.10 19 4.1b 36 2-78
IDC XII 10 10 57 24.3–.89 16.31N 120.66E 0 4.6L,3.8 **¶621644120**
NEIC XII 10 10 57 25.9–1.1 16.4N–.10 120.7E–.10 10–1 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 10 17 17 12.4–.81 13.0N–.10 124.3E–.10 44 3.7b 21 3-76
IDC XII 10 17 17 05.8–1.2 13.07N 124.43E 0 4.5L,3.4b **¶621644137**
NEIC XII 10 17 17 18.4–1.1 13.0N–.10 124.4E–.10 92–9 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 09 38 59.5–.58 18.29N–.08 121.4E–.10 89 4.0b 46 5-88
IDC XII 29 09 38 58.6–4.7 18.26N 121.46E 82–44 4.0,3.9L **¶621724202**
NEIC XII 29 09 39 00.3–1.7 18.35N–.08 121.4E–.10 88–6 4.2b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 10 18 20 38.7–1.1 14.9N–.20 120.6E–.30 43 3.6b 7 1-55
IDC XII 10 18 20 33.6–1.3 15.09N 120.64E 0 3.6,3.5b **¶621644141**
ISC Event type se.
IDC Error ellipse: s-maj=59.4km s-min=14.5km az=67.0.
ISC XII 26 00 12 06.6–.29 16.11N–.04 119.49E–.05 10 4.8b,3.8s 326 2-154
NEIC XII 26 00 12 06.7–1.3 16.11N–.07 119.43E–.09 10–1 4.9b,3.8s **¶621653489**
BJI XII 26 00 12 06.8 16.15N 119.40E 9 5.0b,4.6s
GFZ XII 26 00 12 07.9–.22 16N–3.0 120E–4.0 10 5.2b,4.9L
IDC XII 26 00 12 12.4–1.8 16.11N 119.44E 61–18 4.3,4.0b
DJA XII 26 00 12 12.0–.80 16N–3.0 119E–3.0 36–7 5.3b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 12 07 20 34.3–1.2 14.0N–.20 121.3E–.20 10 3.7b 6 0-50
IDC XII 12 07 20 32.8–1.3 14.02N 121.36E 0 3.6b,3.6 **¶621650484**
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=15.0km az=29.0.
ISC XII 17 14 28 56.0–.31 12.90N–.04 123.65E–.05 13 4.8b,4.0s 263 3-150
BJI XII 17 14 28 49.4 12.38N 123.82E 10 5.3b,4.6s **¶621632748**
NEIC XII 17 14 28 55.4–1.2 12.81N–.07 123.57E–.05 10–1 4.9b,4.6s
GFZ XII 17 14 28 55.4–.20 13N–2.0 124E–4.0 10 5.6b,5.1
GCMT XII 17 14 28 58.4–.20 12.86N–.02 123.57E–.02 14–1 4.9W,5.1
IDC XII 17 14 29 01.1–2.6 12.73N 123.56E 62–24 4.4L,4.3
DJA XII 17 14 29 03.9–1.0 13N–4.0 123E–5.0 80–10 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112171428A. Moment Tensor Solution. s27,c34; s93,c133; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.91±.13 $M_{\theta\theta}$0.42±.07; $M_{\phi\phi}$1.48±.08; $M_{r\theta}$-1.30±.21; $M_{\theta\phi}$-1.61±.05; $M_{\phi\theta}$0.46±.16; Best double couple: NP1:ϕ_s348.00000°,δ37.00000°,λ-51.00000°. NP2:ϕ_s123.00000°,δ62.00000°,λ-115.00000°. Principal axes: T 2.9200,Plg14.0000°,Azm231.0000°; N -0.4190,Plg22.0000°,Azm135.0000°; P -2.5080,Plg64.0000°,Azm350.0000° $M_0$2.71400×10^{16}
ISC XII 17 14 58 03.5–.43 12.76N–.06 123.62E–.07 13 4.5b,3.3s 81 3-149
IDC XII 17 14 58 01.9–.64 12.80N 123.69E 0 4.7L,4.1b **¶621632749**
NEIC XII 17 14 58 03.5–1.1 12.82N–.08 123.7E–.10 10–1 4.6b,4.1b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 19 06 27 06.3–.34 15.52N–.04 119.96E–.06 53 4.5b,3.4s 139 2-153
GFZ XII 19 06 27 09.0–.16 16N–2.0 120E–3.0 74 5.7b,5.3 **¶621633616**
NEIC XII 19 06 27 09.6–1.1 15.48N–.04 120.04E–.08 84–7 4.5b,5.3
IDC XII 19 06 27 10.2–1.2 15.43N 120.05E 96–13 4.1,3.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=1.9km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=12.2km az=74.0.
IDC XII 31 01 20 46.4–1.4 14.02N 122.26E 0 3.9b,3.9
¶621726043
IDC Error ellipse: s-maj=182.5km s-min=21.3km az=68.0.

(250) Mindoro.

ISC VII 01 18 14 50.2–1.1 13.5N–.10 121.0E–.20 10 3.5b 9 1-56
IDC VII 01 18 14 48.7–.94 13.50N 120.95E 0 3.6,3.5b **¶620927684**
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=12.6km az=80.0.
ISC VII 03 11 07 53.4–1.0 13.8N–.20 121.1E–.30 152 3.7b 10 0-79
IDC VII 03 11 07 52.2–.86 13.79N 120.96E 127–6 3.8,3.4b **¶620927802**
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=17.5km az=63.0.
ISC VII 05 19 40 58.7–1.4 13.8N–.30 121.1E–.40 200 3.0b 6 0-50
IDC VII 05 19 40 58.5–.88 13.67N 120.92E 187–11 3.3,2.7b **¶620927986**
ISC Event type se.
IDC Error ellipse: s-maj=59.8km s-min=16.9km az=56.0.
ISC VII 09 11 21 10.6–.42 13.56N–.06 120.94E–.09 150 4.0b 77 1-93
NEIC VII 09 11 21 07.9–1.1 13.62N–.08 121.0E–.10 114–7 4.2b **¶620928259**
IDC VII 09 11 21 09.9–.58 13.59N 120.96E 130–3 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=10.7km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=11.7km az=69.0.
ISC VII 11 02 41 06.1–.98 13.8N–.20 120.9E–.20 124 3.8b 10 0-50
IDC VII 11 02 41 06.0–.68 13.90N 120.96E 124–3 3.8,3.4b **¶620928395**
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=14.6km az=66.0.
ISC VII 17 19 50 49.5–1.6 13.4N–.20 120.5E–.40 70 3.6b 6 1-80
IDC VII 17 19 50 41.0–1.4 13.45N 120.55E 0 3.7,3.6b **¶620928782**
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=16.0km az=123.0.
IDC VII 17 19 52 42.5–1.2 13.35N 120.71E 0 3.4b,3.4
¶620928783
IDC Error ellipse: s-maj=30.1km s-min=14.5km az=95.0.
ISC VII 20 10 07 20.5–.41 13.78N–.05 120.69E–.09 120 4.3b 92 0-93
NEIC VII 20 10 07 16.7–.96 13.80N–.08 120.8E–.10 79–8 4.6b **¶620961597**
IDC VII 20 10 07 20.8–.58 13.82N 120.75E 112–4 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.1km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.0km s-min=11.9km az=70.0.
ISC VII 23 20 48 57.9–.15 13.69N–.02 120.68E–.02 121–1 6.4b 3153 0-179
BGR VII 23 20 48 21.7 8.98N 124.22E 124 7.4,5.4b **¶620845493**
BJI VII 23 20 48 56.8 13.75N 120.80E 100 7.0b,6.3b
IPGP VII 23 20 48 57.0 13.70N 120.71E 116 6.7W,6.3b
NEIC VII 23 20 48 57.4–2.0 13.71N–.06 120.73E–.07 110–1 6.7,6.5b
NEIC VII 23 20 48 57.5 13.70N 120.71E 112 6.7,6.5b
MAN VII 23 20 48 57.9 13.68N 120.55E 119 6.6s,6.6b
MOS VII 23 20 48 57.8–.85 13.68N 120.80E 134 6.6b,6.1s
IDC VII 23 20 48 59.0–.41 13.67N 120.70E 128–3 6.2,5.9s
NEIC VII 23 20 48 58 13.69N 120.69E 108 6.2,5.9s
GFZ VII 23 20 48 59.9–.20 14N–1.0 121E–2.0 130–2 6.9b,6.8
GFZ VII 23 20 48 59.9 13.66N 120.74E 122 6.6W,6.8
DJA VII 23 20 48 59.6–.30 14N–1.0 121E–2.0 130–3 6.9b,6.8
PTWC VII 23 20 49 00 13.80N 120.70E 142 0.0,6.8
GCMT VII 23 20 49 01.7–.00 13.76N 120.59E 120–0 6.6W,6.8
NEIC VII 23 20 49 11.2 13.69N 120.79E 100 6.7,6.8
ISC Event type ke.
BGR Event type ke.
IPGP Moment Tensor Solution. NP1:ϕ_s108.00000°,δ45.00000°,λ54.00000°. NP2:ϕ_s335.00000°,δ55.00000°,λ121.00000°.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.0km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-0.79 $M_{r\theta}$0.28 $M_{\theta\phi}$0.46 $M_{\phi r}$0.53 NP1:ϕ_s352.09000°,δ57.66000°,λ114.63000°. NP2:ϕ_s131.49000°,δ39.82000°,λ56.65000°. Principal axes: T 1.2763,Plg67.0000°,Azm311.0000°; N -0.1749,Plg21.0000°,Azm158.0000°; P -1.1014,Plg9.0000°,Azm65.0000° $M_0$1.20000×10^{19}
NEIC Event type se.
MAN Event type fe. INTENSITY VI - CALATAGAN BATANGAS; LOOC LUBANG AND MAMBURAO OCCIDENTAL MINDORO ; . INTENSITY V - BALAYAN BAUAN CALACA LEMERY MABINI NASUGBU SAN PASCUAL TAAL AND TINGLOY BATANGAS; CARMONA AND CITY OF ; DASMARINAS CAVITE; ABRA DE ILOG MAGSAYSAY PALUAN AND SABLAYAN OCCIDENTAL MINDORO; CITY OF CALAPAN PUERTO GALERA AND SAN ; TEODORO ORIENTAL MINDORO ; . INTENSITY IV - CITY OF MALABON; CITY OF MANILA; CITY OF MARIKINA; CITY OF NAVOTAS; QUEZON CITY; PASAY CITY; PATEROS; CITY OF VALENZUELA; ; HERMOSA BATAAN; CITY OF MALOLOS CITY OF MEYCAUAYAN OBANDO AND PLARIDEL BULACAN; BATANGAS CITY CITY OF LIPA CITY OF STO. TOMAS ; AND TALISAY BATANGAS; AMADEO INDANG AND MENDEZ-NUNEZ CAVITE; CITY OF SANTA ROSA LAGUNA; BOAC MARINDUQUE; CALINTAAN ; OCCIDENTAL MINDORO; BULALACAO MANSALAY NAUJAN PINAMALAYAN AND POLA ORIENTAL MINDORO ; . INTENSITY III - CITY OF LAS PINAS; CITY OF MAKATI; CITY OF MANDALUYONG; CITY OF PASIG; CITY OF TAGUIG; CITY OF SAN JOSE DEL MONTE BULACAN; ; CAVINTI AND LOS BANOS LAGUNA; DOLORES AND CITY OF TAYABAS QUEZON; BINANGONAN RODRIGUEZ AND SAN MATEO RIZAL ; . INTENSITY II - CITY OF CALOOCAN; CITY OF ALAMINOS PANGASINAN; LUCBAN MULANAY AND SAN FRANCISCO QUEZON; TANAY RIZAL ; . INTENSITY I - GUINAYANGAN QUEZON; CORON AND CUYO PALAWAN; KALIBO AND MALINAO AKLAN.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=115.2.
IDC Error ellipse: s-maj=8.4km s-min=5.3km az=77.0.
NEIC Event type se.
GFZ Error ellipse: s-maj=4.1km s-min=2.9km az=92.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}8.26 $M_{\theta\theta}$-3.11 $M_{\phi\phi}$-5.16 $M_{r\theta}$2.14 $M_{\theta\phi}$4.89 $M_{\phi r}$2.72 NP1:ϕ_s121.22225°,δ46.19455°,λ60.18891°. NP2:ϕ_s340.83773°,δ51.23027°,λ117.39843°. Principal axes: T 9.5959,Plg68.7887°,Azm314.9107°; N -0.4303,Plg21.0256°,Azm142.8561°; P -9.1656,Plg2.6757°,Azm51.8268° $M_0$9.38814×10^{18}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107232048A. Moment Tensor Solution. s175,c470; s177,c857;Duration: 5s1 Moment tensor: Scale 10^{19}Nm; M_{rr}0.91±.00 $M_{\theta\theta}$-0.49±.00; $M_{\phi\phi}$-0.41±.00; $M_{r\theta}$0.21±.00; $M_{\theta\phi}$0.61±.00; $M_{\phi r}$0.54±.00; Best double couple: NP1:ϕ_s109.00000°,δ45.00000°,λ50.00000°. NP2:ϕ_s338.00000°,δ57.00000°,λ122.00000°. Principal axes: T 1.2020,Plg62.0000°,Azm303.0000°; N -0.1150,Plg27.0000°,Azm140.0000°; P -1.0870,Plg7.0000°,Azm46.0000° $M_0$1.14400×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 11s0 Moment tensor: Scale 10^{19}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.18 $M_{\theta\phi}$0.60 $M_{\phi r}$0.51 NP1:ϕ_s117.19000°,δ42.10000°,λ57.45000°. NP2:ϕ_s337.90000°,δ55.59000°,λ115.93000°. Principal axes: T 1.2724,Plg68.0000°,Azm302.0000°; N -0.1152,Plg21.0000°,Azm143.0000°; P -1.1572,Plg7.0000°,Azm50.0000° $M_0$1.22000×10^{19}
ISC VII 23 20 57 18.4–.19 13.74N–.02 120.61E–.03 124–1 5.6b 1316 0-177
BJI VII 23 20 57 17.9 13.79N 120.80E 132 5.7b **¶620845494**
MOS VII 23 20 57 17.9–.84 13.80N 120.81E 135 5.6b
IDC VII 23 20 57 18.3–.43 13.75N 120.76E 123–3 5.4,5.4s
NEIC VII 23 20 57 18.7–1.7 13.80N–.05 120.74E–.08 121–3 5.5b,5.4s
MAN VII 23 20 57 18.6 13.76N 120.52E 105 5.9b,5.5s
DJA VII 23 20 57 19.6–.30 14N–2.0 121E–3.0 121–5 7.0b,6.9
NEIC VII 23 20 57 20.5 13.85N 120.72E 131 7.0b,6.9
GFZ VII 23 20 57 21.1–.19 14N–3.0 121E–3.0 145 6.2,5.7b
GCMT VII 23 20 57 21.7–.30 13.84N–.02 120.55E–.03 106–4 5.8W,5.7b
NEIC VII 23 20 57 28 13.85N 120.72E 130 5.8,5.7b
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=5.3km az=105.5.
IDC Error ellipse: s-maj=10.6km s-min=6.1km az=73.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.8km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY V - CALATAGAN BATANGAS; . INTENSITY IV - BALAYAN CALACA LEMERY MABINI NASUGBU AND TINGLOY BATANGAS; . INTENSITY III - CITY OF MAKATI; CITY OF MANILA; QUEZON CITY; PATEROS; HERMOSA BATAAN; ; BATANGAS CITY BAUAN SAN PASCUAL AND TAAL; BATANGAS; AMADEO NAIC AND CITY OF TAGAYTAY CAVITE; CITY OF SANTA ROSA LAGUNA; ; LUBANG AND MAMBURAO OCCIDENTAL MINDORO; GLORIA; PUERTO GALERA AND SAN TEODORO ORIENTAL MINDORO; . INTENSITY II - CITY OF MALABON; CITY OF MANDALUYONG; CITY OF NAVOTAS; PASAY CITY; CITY OF ; VALENZUELA; CITY OF LIPA BATANGAS; CAVINTI AND LOS; BANOS LAGUNA; DOLORES AND CITY OF TAYABAS QUEZON; BINANGONAN AND RODRIGUEZ RIZAL; ; BOAC MARINDUQUE; CALINTAAN MAGSAYSAY AND; PALUAN OCCIDENTAL MINDORO; BULALACAO NAUJAN AND PINAMALAYAN ORIENTAL MINDORO; . INTENSITY I - GUINAYANGAN AND LUCBAN QUEZON.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107232057A. Moment Tensor Solution. s110,c185; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}3.97±.28 $M_{\theta\theta}$-1.73±.25; $M_{\phi\phi}$-2.24±.34; $M_{r\theta}$1.09±.15; $M_{\theta\phi}$4.55±.22; $M_{\phi r}$3.75±.18; Best double couple: NP1:ϕ_s105.00000°,δ46.00000°,λ35.00000°. NP2:ϕ_s349.00000°,δ66.00000°,λ130.00000°. Principal axes: T 6.8890,Plg52.0000°,Azm306.0000°; N 0.0550,Plg36.0000°,Azm149.0000°; P -6.9440,Plg11.0000°,Azm51.0000° $M_0$6.91600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}4.31 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-3.66 $M_{r\theta}$1.28 $M_{\theta\phi}$3.31 $M_{\phi r}$3.65 NP1:ϕ_s120.05000°,δ39.72000°,λ42.13000°. NP2:ϕ_s355.22000°,δ64.62000°,λ121.64000°. Principal axes: T 6.5897,Plg58.0000°,Azm309.0000°; N -0.2040,Plg28.0000°,Azm160.0000°; P -6.3857,Plg14.0000°,Azm63.0000° $M_0$6.49000×10^{17}
ISC VII 23 21 16 15.6–22 13N–2.0 121E–2.0 150 3.7b 7 1-56
IDC VII 23 21 16 14.6–12 13.17N 121.19E 135–12 3.8,3.4b **¶620967941**
ISC Event type se.
IDC Error ellipse: s-maj=233.6km s-min=48.0km az=149.0.
ISC VII 24 09 43 34.5–.51 13.74N–.07 120.95E–.09 122–4 4.5b 94 0-119
IDC VII 24 09 43 34.7–.49 13.77N 120.98E 120–3 4.2,3.8b **¶620845666**
NEIC VII 24 09 43 35.1–.92 13.76N–.09 121.0E–.10 122–8 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 23 22 20 18.2–19 13N–2.0 122E–1.0 10 4.2s,4.0b 6 23-81
IDC VII 23 22 20 10.1–16 12.21N 122.09E 0 4.3s,3.8b **¶620967945**
ISC Event type se.
IDC Error ellipse: s-maj=320.2km s-min=65.9km az=149.0.
IDC VII 26 05 13 32.9–1.7 13.19N 120.45E 0 3.7b,3.7
¶620973811
IDC Error ellipse: s-maj=48.3km s-min=15.0km az=102.0.
IDC VII 24 12 35 23.3–1.6 13.55N 120.75E 0 3.9b,3.9
¶620970215
IDC Error ellipse: s-maj=158.2km s-min=27.1km az=65.0.
ISC VII 27 23 12 39.6–1.0 13.5N–.10 120.6E–.20 10 3.7b 9 1-87
IDC VII 27 23 12 38.4–.93 13.40N 120.55E 0 3.7b,3.7 **¶620978992**
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=14.2km az=98.0.
ISC VIII 03 16 20 09.8–.95 13.55N–.02 120.83E–.02 26–7 4.7b,3.9s 325 1-100
MAN VIII 03 16 20 05.5 13.52N 120.84E 1 5.4b,4.5s **¶620961712**
DJA VIII 03 16 20 11.5–.80 14N–4.0 121E–4.0 57–9 5.3b,4.7
BJI VIII 03 16 20 11.3 13.04N 121.09E 90 4.7b,4.5b
IDC VIII 03 16 20 12.6–4.5 13.55N 120.84E 54–44 4.3,4.1b
NEIC VIII 03 16 20 17.1–1.6 13.48N–.08 120.9E–.10 92–8 4.7b,4.1b
GFZ VIII 03 16 20 19.5–.29 13N–4.0 121E–5.0 120 4.7,4.6b
ISC Event type se.
MAN Event type fe. INTENSITY III - PUERTO GALERA AND SAN TEODORO ORIENTAL MINDORO; TINGLOY BATANGAS; . INTENSITY II - BATANGAS CITY MABINI AND SAN PASCUAL BATANGAS.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 13 15 08 31.4–.20 13.68N–.02 120.70E–.02 132–1 5.7b 2193 0-177
BJI VIII 13 15 08 25.5 13.41N 121.05E 118 5.9b,5.9b **¶620986257**
GFZ VIII 13 15 08 30.9–.16 14N–1.0 121E–2.0 124–1 6.1b,5.8b
NEIC VIII 13 15 08 30 13.65N 120.75E 111 6.1b,5.8b
MOS VIII 13 15 08 30.8–.91 13.72N 120.78E 140 5.8b,4.9s
NEIC VIII 13 15 08 30.6 13.75N 120.74E 112 5.8b,4.9s
MAN VIII 13 15 08 31.2 13.67N 120.55E 118 6.3b,6.0s
IDC VIII 13 15 08 31.9–.27 13.73N 120.74E 135–2 5.8,5.4b
ISC-P VIII 13 15 08 31 13.70N 120.78E 50–1 6.3,5.4b
NEIC VIII 13 15 08 31.2–2.2 13.70N–.08 120.78E–.10 121–1 5.9,5.7b
IPGP VIII 13 15 08 32.0 13.71N 120.83E 122 5.9W,5.7b
PTWC VIII 13 15 08 32 13.70N 120.90E 144 5.9,5.7b
GCMT VIII 13 15 08 32.3–.10 13.76N–.01 120.65E–.01 129–0 5.8W,5.7b
DJA VIII 13 15 08 33.3–.50 14N–3.0 121E–5.0 155–10 5.8b,5.8b
GFZ VIII 13 15 08 34.4 13.69N 120.73E 129 5.9W,5.8b
NEIC VIII 13 15 08 42 13.75N 120.84E 110 5.9,5.8b
ISC Event type se.
GFZ Error ellipse: s-maj=3.7km s-min=2.8km az=84.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
MOS Error ellipse: s-maj=5.8km s-min=3.3km az=114.7.
NEIC Event type se.
MAN Event type fe. INTENSITY IV - CITY OF LIPA CALATAGAN LEMERY AND TAAL BATANGAS; CITY OF BINAN LAGUNA; CITY OF CALAPAN BACO PUERTO GALERA ROXAS AND SAN TEODORO ORIENTAL MINDORO; PALUAN LOOC AND LUBANG OCCIDENTAL MINDORO; . INTENSITY III - CITY OF CALOOCAN; CITY OF MANDALUYONG; CITY OF MANILA; CITY OF PARANAQUE; CITY OF PASIG; CITY OF VALENZUELA; QUEZON CITY; BATANGAS CITY BATANGAS; ABRA DE ILOG AND MAMBURAO OCCIDENTAL MINDORO; OBANDO AND PLARIDEL BULACAN; TANZA CAVITE; . INTENSITY II - CITY OF MAKATI; PASAY CITY; CITY OF MALOLOS AND CITY OF MEYCAUAYAN BULACAN; PATEROS; CITY OF ANTIPOLO RIZAL; CITY OF TAGAYTAY CAVITE; AGONCILLO BAUAN SAN JOSE SAN LUIS SAN PASCUAL AND TALISAY BATANGAS; MULANAY QUEZON; . INTENSITY I - CITY OF MALABON; ALITAGTAG BATANGAS.
IDC Error ellipse: s-maj=8.7km s-min=5.0km az=71.0.
ISC-P Moment Tensor Solution. s44 Moment tensor: Scale 10^{18}Nm; M_{rr}0.84±.14 $M_{\theta\theta}$0.45±.18; $M_{\phi\phi}$-0.20±.12; $M_{r\theta}$-0.16±.15; $M_{\theta\phi}$-0.03±.20; $M_{\phi r}$0.02±.10; NP1:ϕ_s197.40000°,δ49.60000°,λ116.90000°. NP2:ϕ_s339.30000°,δ47.20000°,λ62.00000°. $M_0$3.89000×10^{18}
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.9km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}9.56 $M_{\theta\theta}$-2.34 $M_{\phi\phi}$-7.22 $M_{r\theta}$2.01 $M_{\theta\phi}$3.18 $M_{\phi r}$2.06 NP1:ϕ_s347.52000°,δ49.68000°,λ108.08000°. NP2:ϕ_s140.74000°,δ43.55000°,λ69.91000°. Principal axes: T 10.2771,Plg76.0000°,Azm322.0000°; N -1.4368,Plg14.0000°,Azm156.0000°; P -8.8404,Plg3.0000°,Azm65.0000° $M_0$9.64000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s140.00000°,δ43.00000°,λ72.00000°. NP2:ϕ_s343.00000°,δ50.00000°,λ106.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108131508A. Moment Tensor Solution. s163,c343; s166,c383;Duration: 2s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.78±.01 $M_{\theta\theta}$-0.30±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$0.14±.01; $M_{\theta\phi}$0.28±.01; $M_{\phi r}$0.13±.01; Best double couple:

NP1:ϕ_s133.00000°,δ45.00000°,λ73.00000°. NP2:ϕ_s335.00000°,δ47.00000°,λ106.00000°. Principal axes: T 0.8220,Plg78.0000°,Azm319.0000°; N -0.1390,Plg12.0000°,Azm144.0000° ; P -0.6820,Plg1.0000°,Azm54.0000° $M_0$0.75200×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.70 $M_{\theta\theta}$-2.45 $M_{\phi\phi}$-5.24 $M_{r\theta}$0.37 $M_{\theta\phi}$2.82 $M_{\phi r}$2.81 NP1: ϕ_s138.00802°,δ37.60509°,λ72.41559°. NP2:ϕ_s339.81098°,δ54.42966°,λ103.09955°. Principal axes: T 8.3622,Plg76.2931°,Azm292.3688°; N -1.0385,Plg10.6234°,Azm152.1022° ; P -7.3237,Plg8.5614°,Azm60.4841° $M_0$7.89436×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}8.16 $M_{\theta\theta}$-3.08 $M_{\phi\phi}$-5.08 $M_{r\theta}$-0.00 $M_{\theta\phi}$2.58 $M_{\phi r}$1.46 NP1:ϕ_s141.01000°,δ40.62000° ,λ82.63000°. NP2:ϕ_s330.68000°,δ49.79000°,λ96.28000°. Principal axes: T 8.3232,Plg83.0000°,Azm283.0000°; N -1.3804,Plg5.0000°,Azm147.0000° ; P -6.9428,Plg5.0000°,Azm56.0000° $M_0$7.73000×10^{17}

ISC	**VIII**	**08 21 20 20.6–1.1**	**13.5N–.10**	**120.7E–.20**	**70**	**3.4b**	**8**	**1-50**	
IDC	VIII	08 21 20 20.1–1.8	13.47N	120.62E	64–22	3.5,3.2b			**¶621002146**
ISC	Event type se.								
IDC	Error ellipse: s-maj=44.3km s-min=18.2km az=62.0.								
ISC	**VIII**	**09 19 18 57.9–.87**	**13.7N–.20**	**121.0E–.30**	**150**	**3.6b**	**14**	**0-87**	
IDC	VIII	09 19 18 57.9–.82	13.72N	121.01E	150–7	3.8,3.4b			**¶621007280**
ISC	Event type se.								
IDC	Error ellipse: s-maj=41.5km s-min=12.7km az=64.0.								
IDC	**VIII**	**20 12 44 51.9–1.4**	**13.59N**	**121.36E**	**0**	**3.3b,3.3**			**¶621041280**
IDC	Error ellipse: s-maj=62.0km s-min=22.2km az=60.0.								
ISC	**IX**	**22 19 47 07.1–.67**	**13.21N–.02**	**120.56E–.03**	**52–6**	**4.7b,3.8s**	**266**	**0-151**	
MAN	IX	22 19 47 05.0	13.24N	120.44E	41	5.5b,4.7s			**¶621106352**
IDC	IX	22 19 47 07.8–1.2	13.36N	120.72E	63–10	4.4,4.1b			
GFZ	IX	22 19 47 09.8–.58	13N–3.0	121E–4.0	74–6	4.8b,4.8			
NEIC	IX	22 19 47 11.0–1.5	13.38N–.09	120.7E–.10	85–7	4.6b,4.8			
DJA	IX	22 19 47 27.7–1.4	14N–6.0	121E–5.0	312–23	5.6b,5.1			
ISC	Event type fe.								
MAN	Event type fe. INTENSITY III - MAMBURAO PALUAN AND SANTA CRUZ OCCIDENTAL MINDORO ; . INTENSITY II - ABRA DE ILOG LUBANG AND SABLAYAN OCCIDENTAL MINDORO; POLA AND PUERTO GALERA ORIENTAL MINDORO ; . INTENSITY I - GLORIA ORIENTAL MINDORO.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	**IX**	**07 06 59 49.3–1.3**	**13.44N**	**120.85E**	**0**	**3.8b,3.8**			**¶621094307**
IDC	Error ellipse: s-maj=39.1km s-min=14.0km az=90.0.								
ISC	**VIII**	**30 11 28 07.3–.52**	**12.80N–.02**	**121.40E–.03**	**49–5**	**4.7b,3.9s**	**343**	**0-150**	
IDC	VIII	30 11 28 00.0–.56	12.72N	121.40E	0	4.3b,4.3			**¶621011019**
MAN	VIII	30 11 28 01.7	12.74N	121.42E	10	5.5b,4.7s			
GFZ	VIII	30 11 28 02.6–.17	13N–3.0	121E–4.0	10	4.8b,4.6			
GCMT	VIII	30 11 28 04.8–.30	12.81N–.01	121.29E–.02	22–1	4.8W,4.6			
NEIC	VIII	30 11 28 08.6–.82	12.83N–.08	121.41E–.10	64–7	4.7b,4.6			
BJI	VIII	30 11 28 11.6	13.04N	121.41E	90	4.7b,4.6b			
DJA	VIII	30 11 28 18.4–.80	13N–3.0	122E–3.0	187–9	5.2b,4.5			
ISC	Event type se.								
MAN	Event type fe. INTENSITY IV - BANSUD AND BONGABONG ORIENTAL MINDORO; . INTENSITY III - CALINTAAN OCCIDENTAL MINDORO; CITY OF CALAPAN GLORIA MANSALAY ; PINAMALAYAN AND ROXAS ORIENTAL MINDORO; CONCEPCION; ROMBLON; . INTENSITY II - ABRA DE ILOG MAGSAYSAY RIZAL SABLAYAN SAN JOSE AND SANTA CRUZ OCCIDENTAL ; MINDORO; BACO BULALACAO NAUJAN POLA PUERTO; GALERA SAN TEODORO SOCORRO AND VICTORIA ORIENTAL MINDORO; . INTENSITY I - TINGLOY BATANGAS; MAMBURAO OCCIDENTAL MINDORO.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108301128A. Moment Tensor Solution. s18,c20; s97,c129; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.13 $M_{\theta\theta}$1.09±.08; $M_{\phi\phi}$-1.17±.11; $M_{r\theta}$-0.23±.14; $M_{\theta\phi}$-1.81±.06; $M_{\phi r}$0.60±.15; Best double couple: NP1:ϕ_s254.00000°,δ73.00000° ,λ178.00000°. NP2:ϕ_s344.00000°,δ88.00000°,λ17.00000°. Principal axes: T 2.2080,Plg13.0000°,Azm210.0000°; N 0.0400,Plg73.0000°,Azm351.0000° ; P -2.2500,Plg10.0000°,Azm118.0000° $M_0$2.22900×10^{16}								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**05 16 10 29.7–.55**	**13.30N–.07**	**120.07E–.10**	**16**	**4.3b**	**29**	**1-80**	
IDC	IX	05 16 10 27.6–.94	13.33N	120.00E	0	4.0b,4.0			**¶621086414**
NEIC	IX	05 16 10 29.7–1.9	13.31N–.09	120.11E–.10	10–1	4.5b,4.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**21 16 43 05.5–.37**	**13.25N–.02**	**120.52E–.03**	**53–3**	**5.0b,4.2s**	**589**	**0-151**	
BJI	IX	21 16 42 59.5	13.04N	120.85E	35	4.9b,4.7b			**¶621094406**
GFZ	IX	21 16 43 02.8–.18	13N–2.0	121E–3.0	10	5.1b,5.0b			
MAN	IX	21 16 43 03.6	13.23N	120.45E	30	5.6b,4.9s			
DJA	IX	21 16 43 06.2–1.4	13N–2.0	121E–3.0	18–12	5.3,5.2b			
IDC	IX	21 16 43 07.0–.82	13.35N	120.77E	71–6	4.7,4.4b			
NEIC	IX	21 16 43 08.7–1.2	13.34N–.07	120.7E–.10	81–5	4.9b,4.4b			
ISC	Event type fe.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
MAN	Event type fe. INTENSITY IV - ABRA DE ILOG MAMBURAO AND PALUAN OCCIDENTAL MINDORO; PUERTO GALERA ORIENTAL MINDORO ; . INTENSITY III - BATANGAS CITY CALACA MABINI MALVAR SAN PASCUAL AND TINGLOY BATANGAS ; . INTENSITY II - QUEZON CITY; BAUAN CITY OF LIPA NASUGBU AND SAN JOSE BATANGAS; CITY OF TAGAYTAY CAVITE ; . INTENSITY I - TALISAY BATANGAS.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	**IX**	**21 16 59 46.4–1.5**	**13.47N**	**121.03E**	**0**	**3.6b,3.6**			**¶621116040**
IDC	Error ellipse: s-maj=78.9km s-min=20.6km az=58.0.								
ISC	**IX**	**23 08 43 06.0–.56**	**13.21N–.02**	**120.54E–.03**	**47–5**	**4.5b,3.4s**	**137**	**0-120**	
NEIC	IX	23 08 43 06.0–.93	13.41N–.07	121.0E–.10	42–7	4.5b,3.4s			**¶621125839**
IDC	IX	23 08 43 06.2–.70	13.15N	120.46E	40–6	4.3,4.0b			
MAN	IX	23 08 43 06.1	13.24N	120.42E	38	5.2b,4.2s			
ISC	Event type fe.								
NEIC	Event type se. Error ellipse: s-maj=14.7km s-min=10.3km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=14.5km s-min=7.7km az=103.0.								
MAN	Event type fe. INTENSITY III - MAMBURAO OCCIDENTAL MINDORO ; . INTENSITY II - ABRA DE ILOG PALUAN AND SANTA CRUZ OCCIDENTAL MINDORO; CITY OF CALAPAN AND PUERTO GALERA ORIENTAL MINDORO ; . INTENSITY I - TINGLOY BATANGAS; GLORIA ORIENTAL MINDORO.								
ISC	**IX**	**26 17 26 14.9–.97**	**13.7N–.20**	**120.6E–.10**	**100**	**3.6b**	**15**	**0-56**	
IDC	IX	26 17 26 14.8–.99	13.79N	120.71E	100–12	3.7,3.4b			**¶621131524**
ISC	Event type se.								
IDC	Error ellipse: s-maj=42.9km s-min=18.3km az=61.0.								
ISC	**IX**	**24 10 54 19.6–.96**	**13.54N–.02**	**121.46E–.02**	**10–6**	**3.9b**	**83**	**0-78**	
IDC	IX	24 10 54 18.4–1.3	13.62N	121.85E	0	3.8,3.7b			**¶621126430**
NEIC	IX	24 10 54 19.7–.65	13.67N–.06	121.9E–.10	10–1	4.1b,3.7b			
MAN	IX	24 10 54 21.7	13.56N	121.48E	12	5.0b,4.0s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=57.4km s-min=19.4km az=59.0.								
NEIC	Event type se. Error ellipse: s-maj=21.0km s-min=8.3km az=251.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
MAN	Event type fe. INTENSITY III - LOBO AND SAN JUAN BATANGAS ; . INTENSITY II - PADRE GARCIA AND TAYSAN BATANGAS.								
ISC	**IX**	**26 17 40 50.4–.59**	**13.83N–.03**	**120.36E–.04**	**86–5**	**4.4b**	**159**	**0-87**	
MAN	IX	26 17 40 49.8	13.83N	120.41E	75	5.3b,4.4s			**¶621110434**
IDC	IX	26 17 40 50.6–.62	13.81N	120.75E	106–7	4.2,3.9b			
NEIC	IX	26 17 40 51.6–1.6	13.87N–.08	120.7E–.10	104–8	4.4b,3.9b			
ISC	Event type fe.								
MAN	Event type fe. INTENSITY II - LOOC AND LUBANG OCCIDENTAL MINDORO ; . INTENSITY I - BALAYAN BAUAN CALACA NASUGBU TAAL AND TINGLOY BATANGAS; CITY OF TAGAYTAY CAVITE; CITY OF BINAN LAGUNA; ABRA DE ILOG OCCIDENTAL MINDORO; BACO AND PUERTO GALERA ORIENTAL MINDORO.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**02 20 55 43.0–1.2**	**12.86N–.02**	**120.88E–.03**	**13–8**	**3.9b**	**115**	**0-103**	
IDC	X	02 20 55 40.5–.81	12.85N	120.91E	0	3.8b,3.8			**¶621186088**
NEIC	X	02 20 55 42.5–1.8	13.03N–.08	121.13E–.08	10–1	4.4b,3.8			
MAN	X	02 20 55 42.7	12.84N	120.85E	11	5.3b,4.4s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=35.5km s-min=14.0km az=71.0.								
NEIC	Event type se. Error ellipse: s-maj=15.9km s-min=11.1km az=43.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
MAN	Event type fe. INTENSITY III - SABLAYAN OCCIDENTAL MINDORO ; . INTENSITY II - SANTA CRUZ OCCIDENTAL MINDORO ; . INTENSITY I - ABRA DE ILOG OCCIDENTAL MINDORO.								
ISC	**X**	**02 08 55 10.9–1.2**	**12.87N–.02**	**120.85E–.03**	**10–9**	**4.3b**	**89**	**0-49**	
MAN	X	02 08 55 11.1	12.84N	120.85E	12	5.2b,4.3s			**¶635690865**
IDC	X	02 08 55 39.1–33	9.54N	122.36E	0	4.2b,4.2			
ISC	Event type fe.								
MAN	Event type fe. INTENSITY III - CALINTAAN AND SABLAYAN OCCIDENTAL MINDORO ; . INTENSITY II - SANTA CRUZ OCCIDENTAL MINDORO ; . INTENSITY I - PUERTO GALERA ORIENTAL MINDORO.								
IDC	Error ellipse: s-maj=579.0km s-min=304.4km az=151.0.								
ISC	**IX**	**26 17 12 05.6–.21**	**13.85N–.02**	**120.49E–.02**	**96–1**	**5.6b**	**2106**	**0-177**	
BGR	IX	26 17 11 57.3	13.63N	120.75E	33	5.5b,5.1s			**¶621110432**
BJI	IX	26 17 12 04.5	13.92N	120.74E	101	5.9b,5.7b			
PTWC	IX	26 17 12 04	13.80N	120.70E	76	5.7,5.7b			
MAN	IX	26 17 12 04.9	13.83N	120.40E	76	6.1b,5.7s			
NEIC	IX	26 17 12 05.2–2.5	13.89N–.07	120.51E–.08	83–1	5.7b,5.7			
NEIC	IX	26 17 12 06.3	13.93N	120.43E	89	5.7b,5.7			
GFZ	IX	26 17 12 06.2	13.86N	120.63E	98	5.6W,5.7			
GFZ	IX	26 17 12 06.2–.15	14N–1.0	121E–2.0	100–1	6.5,6.0b			
NEIC	IX	26 17 12 06.5	13.95N	120.40E	91	6.5,6.0b			
DJA	IX	26 17 12 06.8–.30	14N–2.0	121E–2.0	118–4	5.8b,5.6b			
GCMT	IX	26 17 12 07.3–.10	13.95N	120.36E	87–0	5.7W,5.6b			
IDC	IX	26 17 12 07.6–1.1	13.86N	120.69E	116–9	5.5,5.2b			
IPGP	IX	26 17 12 07.0	13.93N	120.54E	82	5.8W,5.2b			
MOS	IX	26 17 12 08.2–.78	13.86N	120.69E	138	5.6b,4.9s			
NEIC	IX	26 17 12 15	13.95N	120.61E	90	5.7,4.9s			
ISC	Event type fe.								
BGR	Event type ke.								
MAN	Event type fe. INTENSITY IV - CITY OF CALOOCAN; CITY OF LAS PINAS; CITY OF MALABON; CITY OF MANDALUYONG; CITY OF MANILA; CITY OF MARIKINA; CITY OF MUNTINLUPA; CITY OF PARANAQUE; PATEROS; CITY OF SAN JUAN; CITY OF TAGUIG; CITY OF MALOLOS AND OBANDO BULACAN; BALAYAN BAUAN CALATAGAN LEMERY LIAN CITY OF LIPA MABINI MALVAR MATAASNAKAHOY NASUGBU TAAL AND TUY BATANGAS; AMADEO CITY OF BACOOR CITY OF CAVITE CITY OF DASMARINAS CITY OF GENERAL TRIAS NAIC CITY OF TAGAYTAY AND TANZA CAVITE; CITY OF BINAN AND CITY OF CABUYAO LAGUNA; SAN MATEO AND TANAY RIZAL; ABRA DE ILOG LOOC LUBANG MAMBURAO RIZAL AND SABLAYAN OCCIDENTAL MINDORO; BACO CITY OF CALAPAN GLORIA NAUJAN POLA AND PUERTO GALERA ORIENTAL MINDORO ; . INTENSITY III - CITY OF MAKATI; QUEZON CITY; PASAY CITY; CITY OF PASIG; CITY OF VALENZUELA; FLORIDABLANCA PAMPANGA; CITY OF STO. TOMAS AND TINGLOY BATANGAS; CITY OF ANTIPOLO RIZAL; BOAC MARINDUQUE; SANTA CRUZ OCCIDENTAL MINDORO; BANSUD AND SOCORRO ORIENTAL MINDORO; . INTENSITY II - CITY OF GAPAN AND CITY OF PALAYAN NUEVA ECIJA; LOS BANOS LAGUNA ; . INTENSITY I - ARAYAT PAMPANGA.								
NEIC	Event type se. Error ellipse: s-maj=14.0km s-min=11.1km az=251.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.70 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-3.87 $M_{r\theta}$1.98 $M_{\theta\phi}$1.54 $M_{\phi r}$1.53 NP1:ϕ_s16.26000°,δ63.14000°,λ132.16000°. NP2:ϕ_s132.78000°,δ48.60000° ,λ37.04000°. Principal axes: T 4.6008,Plg52.0000°,Azm337.0000°; N -0.1554,Plg37.0000° ,Azm174.0000°; P -4.4454,Plg9.0000°,Azm78.0000° $M_0$4.53000×10^{17}								
NEIC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.95 $M_{\theta\theta}$0.10 $M_{\phi\phi}$-1.05 $M_{r\theta}$1.72 $M_{\theta\phi}$2.17 $M_{\phi r}$1.49 NP1: ϕ_s105.55398°,δ60.54747°,λ28.53483°. NP2:ϕ_s0.58550°,δ65.42037°,λ147.26882°. Principal axes: T 3.6728,Plg39.9271°,Azm321.4511°; N -0.9461,Plg49.9060°,Azm147.6768° ; P -2.7267,Plg3.0702°,Azm54.0240° $M_0$3.30301×10^{17}								
GFZ	Error ellipse: s-maj=4.3km s-min=2.8km az=86.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109261712A. Moment Tensor Solution. s149,c299; s160,c375;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.68±.04 $M_{\theta\theta}$1.85±.04; $M_{\phi\phi}$-3.53±.04; $M_{r\theta}$2.46±.03; $M_{\theta\phi}$2.73±.04; $M_{\phi r}$1.75±.03; Best double couple: NP1: ϕ_s120.00000°,δ58.00000°,λ25.00000°. NP2:ϕ_s16.00000°,δ69.00000°,λ145.00000°. Principal axes: T 5.3710,Plg39.0000°,Azm334.0000°; N -0.6150,Plg50.0000°,Azm169.0000° ; P -4.7560,Plg7.0000°,Azm70.0000° $M_0$5.06300×10^{17}								
IDC	Error ellipse: s-maj=11.4km s-min=6.3km az=75.0.								
IPGP	Moment Tensor Solution. NP1:ϕ_s14.00000°,δ70.00000°,λ144.00000°. NP2:ϕ_s118.00000° ,δ56.00000°,λ24.00000°.								
MOS	Error ellipse: s-maj=6.2km s-min=3.7km az=110.3.								
NEIC	Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.60 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-2.40 $M_{r\theta}$2.13 $M_{\theta\phi}$2.57 $M_{\phi r}$1.60 NP1:ϕ_s114.56000°,δ55.26000° ,λ39.88000°. NP2:ϕ_s359.10000°,δ58.20000°,λ137.90000°. Principal axes: T 4.7705,Plg51.0000°,Azm325.0000°; N -0.6715,Plg39.0000°,Azm149.0000° ; P -4.0990,Plg2.0000°,Azm57.0000° $M_0$4.47000×10^{17}								
ISC	**IX**	**26 22 57 51.9–.48**	**13.87N–.08**	**120.8E–.10**	**100**	**4.4b**	**48**	**0-80**	
IDC	IX	26 22 57 50.9–.86	13.76N	120.85E	100–6	3.8,3.5b			**¶621131543**
NEIC	IX	26 22 57 51.8–1.8	13.9N–.10	120.8E–.10	91–8	4.8b,3.5b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**30 15 40 51.7–.77**	**13.65N–.08**	**121.2E–.10**	**150**	**3.8b**	**21**	**0-61**	
IDC	IX	30 15 40 49.3–1.1	13.60N	121.17E	122–5	3.8,3.4b			**¶621147771**
NEIC	IX	30 15 40 52.3–.91	13.65N–.05	121.1E–.10	144–12	4.2b,3.4b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**02 21 59 28.4–.48**	**12.89N–.01**	**120.90E–.02**	**16–2**	**5.0b,4.9s**	**891**	**0-150**	
BJI	X	02 21 59 24.7	12.71N	120.89E	13	5.2s,5.2b			**¶621117005**
IDC	X	02 21 59 24.9–.44	12.86N	120.84E	0	4.7s,4.4b			
MOS	X	02 21 59 25.2–.91	12.85N	120.88E	14	5.2b,4.9s			
NEIC	X	02 21 59 26.7–1.1	12.87N–.06	120.91E–.08	9–4	5.1b,4.9s			
NEIC	X	02 21 59 26.7	12.87N	120.91E	9	5.1b,4.9s			
MAN	X	02 21 59 27.4	12.85N	120.87E	16	5.9b,5.3s			
GFZ	X	02 21 59 29.0–.12	13N–2.0	121E–3.0	10	5.5b,5.4			
GCMT	X	02 21 59 29.1–.10	12.98N–.01	120.89E–.01	12	5.3W,5.4			
DJA	X	02 21 59 32.7–.30	13N–2.0	121E–2.0	46–3	5.7,5.5b			
NEIC	X	02 21 59 36.5	12.87N	120.91E	12	5.4,5.5b			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=16.7km s-min=9.6km az=77.0.								
MOS	Error ellipse: s-maj=8.2km s-min=4.3km az=111.0.								
NEIC	Event type se. Error ellipse: s-maj=11.5km s-min=8.9km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NEIC	Event type se.								
MAN	Event type fe. INTENSITY VI - SABLAYAN OCCIDENTAL MINDORO; . INTENSITY IV - CALINTAAN OCCIDENTAL MINDORO; . INTENSITY III - ABRA DE ILOG AND SANTA CRUZ OCCIDENTAL MINDORO; . INTENSITY II - BOAC MARINDUQUE; LUBANG MAGSAYSAY AND MAMBURAO OCCIDENTAL MINDORO; BACO BONGABONG CITY OF CALAPAN GLORIA PINAMALAYAN ROXAS SAN TEODORO AND SOCORRO ORIENTAL MINDORO.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110022159A. Moment Tensor Solution. s76,c101; s144,c279;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.02 $M_{\theta\theta}$1.00±.02; $M_{\phi\phi}$-0.74±.02; $M_{r\theta}$-0.34±.05; $M_{\theta\phi}$0.66±.01; $M_{\phi r}$-0.62±.06; Best double couple: NP1: ϕ_s295.00000°,δ56.00000°,λ-8.00000°. NP2:ϕ_s30.00000°,δ83.00000°,λ-145.00000°. Principal axes: T 1.3950,Plg18.0000°,Azm158.0000°; N -0.1610,Plg55.0000°,Azm39.0000° ; P -1.2370,Plg29.0000°,Azm258.0000° $M_0$1.31600×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32 $M_{\theta\theta}$0.77 $M_{\phi\phi}$-0.44 $M_{r\theta}$-1.13 $M_{\theta\phi}$0.43 $M_{\phi r}$-0.91 NP1:ϕ_s294.69000°,δ21.54000° ,λ-23.97000°. NP2:ϕ_s47.16000°,δ81.42000°,λ-109.83000°. Principal axes: T 1.8112,Plg34.0000°,Azm154.0000°; N -0.3813,Plg20.0000°,Azm50.0000° ; P -1.4300,Plg50.0000°,Azm295.0000° $M_0$1.65000×10^{17}

ISC	**X**	**03 04 32 43.7–1.0**	**13.9N–.10**	**120.9E–.20**	**152**	**3.8b**	**11**	**0-79**	
IDC	X	03 04 32 42.8–1.0	13.87N	120.81E	135–6	4.0,3.5b			**¶621186111**
ISC		Event type se.							
IDC		Error ellipse: s-maj=35.3km s-min=22.4km az=63.0.							
ISC	**X**	**02 23 33 34.1–1.0**	**12.90N–.02**	**120.87E–.02**	**11–6**	**4.5b,4.0s**	**277**	**0-100**	
BJI	X	02 23 33 29.2	12.61N	121.12E	10	4.6b,4.4s			**¶621117063**
IDC	X	02 23 33 31.2–.61	12.86N	120.62E	0	4.1b,4.1			
NEIC	X	02 23 33 33.8–1.5	12.94N–.07	121.01E–.10	10–1	4.6b,4.1			
MAN	X	02 23 33 34.1	12.85N	120.87E	11	5.4b,4.7s			
DJA	X	02 23 33 41.6–.40	13N–2.0	121E–3.0	44–5	5.8b,5.4			
ISC		Event type fe.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MAN		Event type fe. INTENSITY IV - SABLAYAN OCCIDENTAL MINDORO ; . INTENSITY III - CALINTAAN OCCIDENTAL MINDORO ; . INTENSITY II - ABRA DE ILOG AND MAMBURAO OCCIDENTAL MINDORO ; . INTENSITY I - BACO AND SAN TEODORO ORIENTAL MINDORO.							
ISC	**X**	**03 18 33 51.6–1.1**	**13.40N–.02**	**121.48E–.02**	**12–7**	**4.4b,3.6s**	**185**	**0-119**	
IDC	X	03 18 33 49.2–.60	13.28N	121.59E	0	4.8L,4.1			**¶621186141**
NEIC	X	03 18 33 51.0–1.7	13.44N–.08	121.6E–.10	10–1	4.5b,4.1			
MAN	X	03 18 33 51.8	13.37N	121.54E	15	5.3b,4.4s			
DJA	X	03 18 34 11.8–.30	14N–2.0	121E–4.0	219–7	6.1b,5.8			
ISC		Event type fe.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MAN		Event type fe. INTENSITY IV - CITY OF CALAPAN GLORIA NAUJAN PINAMALAYAN AND POLA ORIENTAL MINDORO ; . INTENSITY III - SOCORRO ORIENTAL MINDORO ; . INTENSITY II - BACO AND PUERTO GALERA ORIENTAL MINDORO.							
ISC	**X**	**03 00 45 42.0–.45**	**13.85N–.05**	**120.74E–.09**	**150**	**4.3b**	**88**	**0-93**	
IDC	X	03 00 45 39.5–.62	13.85N	120.79E	126–4	4.2,4.0s			**¶621117070**
DJA	X	03 00 45 41.0–2.7	14N–12	121E–24	198–17	6.2b,5.8			
NEIC	X	03 00 45 42.6–1.3	13.84N–.05	120.7E–.10	148–5	4.4b,5.8			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**03 18 35 54.7–.57**	**13.33N–.02**	**121.52E–.02**	**10**	**3.8b,3.5s**	**70**	**0-89**	
IDC	X	03 18 35 54.1–.85	13.22N	121.52E	0	3.8b,3.8			**¶621186142**
MAN	X	03 18 35 56.2	13.37N	121.52E	14	5.2b,4.2s			
ISC		Event type fe.							
IDC		Error ellipse: s-maj=44.5km s-min=12.0km az=61.0.							
MAN		Event type fe. INTENSITY III - CITY OF CALAPAN NAUJAN PINAMALAYAN POLA AND VICTORIA ORIENTAL MINDORO ; . INTENSITY II - GLORIA ORIENTAL MINDORO ; . INTENSITY I - PUERTO GALERA ORIENTAL MINDORO.							
ISC	**X**	**07 18 14 53.5–.27**	**13.90N–.02**	**120.58E–.03**	**157–2**	**5.0b**	**924**	**0-152**	
MOS	X	07 18 14 51.4–.81	13.91N	120.76E	155	5.2b			**¶621131626**
GCMT	X	07 18 14 52.8–.20	13.98N–.01	120.60E–.01	149–1	5.4W			
IDC	X	07 18 14 52.0–.32	13.91N	120.69E	144–2	4.9,4.4b			
MAN	X	07 18 14 52.3	13.93N	120.48E	129	5.8b,5.2s			
BJI	X	07 18 14 53.0	13.77N	120.90E	184	5.1b,4.8b			
BGR	X	07 18 14 53.2	14.08N	120.78E	145	5.0b,4.8b			
DJA	X	07 18 14 53.7–.50	14N–3.0	121E–3.0	179–7	5.2b,5.2			
NEIC	X	07 18 14 54.5	14.04N	121.00E	170	5.3,5.2			
NEIC	X	07 18 14 54.0–2.4	13.94N–.07	120.69E–.08	160–4	5.1b,5.2			
NEIC	X	07 18 14 54.1	13.94N	120.69E	161	5.1b,5.2			
GFZ	X	07 18 14 56.0–.45	14N–2.0	121E–4.0	178–6	5.3b,5.2			
ISC		Event type fe.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110071814A. Moment Tensor Solution. s95,c141; s121,c222;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.02 $M_{\theta\theta}$-0.17±.03; $M_{\phi\phi}$-0.76±.03; $M_{r\theta}$-0.06±.02; $M_{\theta\phi}$0.29±.03; $M_{\phi r}$-1.07±.03; Best double couple: NP1: ϕ_s325.00000°,δ23.00000°,λ61.00000°. NP2:ϕ_s176.00000°,δ70.00000°,λ101.00000°. Principal axes: T 1.4680,Plg63.0000°,Azm104.0000°; N -0.1360,Plg11.0000°,Azm352.0000° ; P -1.3330,Plg24.0000°,Azm257.0000° $M_0$1.40100×10^{17}							
MAN		Event type fe. INTENSITY II - CALATAGAN BATANGAS; LOOC AND LUBANG OCCIDENTAL MINDORO; . INTENSITY I - SANTA CRUZ OCCIDENTAL MINDORO; PUERTO GALERA ORIENTAL MINDORO.							
BGR		Event type ke.							
NEIC		Event type se. Moment Tensor Solution.Duration: 2ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.05 $M_{\theta\phi}$0.29 $M_{\phi r}$-0.83 NP1:ϕ_s319.09000°,δ22.66000° ,λ60.24000°. NP2:ϕ_s170.87000°,δ70.46000°,λ101.71000°. Principal axes: T 1.1035,Plg63.0000°,Azm99.0000°; N -0.0342,Plg11.0000°,Azm347.0000° ; P -1.0693,Plg25.0000°,Azm252.0000° $M_0$1.09000×10^{17}							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NEIC		Event type se.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
ISC	**X**	**08 07 42 12.2–.77**	**13.9N–.10**	**120.7E–.10**	**120**	**3.7b**	**15**	**0-87**	
IDC	X	08 07 42 12.2–.65	13.92N	120.69E	119–6	4.0,3.5b			**¶621224638**
ISC		Event type se.							
IDC		Error ellipse: s-maj=26.5km s-min=13.6km az=52.0.							
ISC	**X**	**16 02 49 22.6–.90**	**13.3N–.10**	**120.1E–.10**	**16**	**3.9b**	**13**	**1-97**	
IDC	X	16 02 49 27.0–2.5	13.40N	120.22E	52–24	4.0,3.7b			**¶621242098**
ISC		Event type se.							
IDC		Error ellipse: s-maj=26.5km s-min=16.4km az=66.0.							
ISC	**X**	**20 20 08 58.0–.86**	**13.8N–.20**	**121.1E–.30**	**152**	**3.5b**	**12**	**0-119**	
IDC	X	20 20 08 57.4–.78	13.83N	120.98E	126–4	3.7,3.3b			**¶621246613**
ISC		Event type se.							
IDC		Error ellipse: s-maj=41.2km s-min=16.4km az=62.0.							
ISC	**XI**	**06 17 12 14.6–.98**	**13.4N–.10**	**120.6E–.20**	**100**	**3.8b**	**12**	**1-79**	
IDC	XI	06 17 12 15.4–.89	13.58N	120.79E	112–10	3.8,3.4b			**¶621415991**
ISC		Event type se.							
IDC		Error ellipse: s-maj=48.7km s-min=14.6km az=63.0.							
ISC	**X**	**31 02 17 13.9–.53**	**13.78N–.07**	**120.9E–.10**	**117**	**4.2b**	**51**	**0-119**	
IDC	X	31 02 17 13.4–.52	13.79N	121.00E	117–2	4.1,3.8b			**¶621244610**
NEIC	X	31 02 17 16.7–1.1	13.7N–.10	120.8E–.10	139–6	4.3b,3.8b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XI**	**07 13 45 18.6–1.1**	**13.4N–.10**	**120.7E–.20**	**100**	**3.3b**	**7**	**1-50**	
IDC	XI	07 13 45 19.0–.80	13.72N	121.03E	116–7	3.4,3.0b			**¶621416040**
ISC		Event type se.							
IDC		Error ellipse: s-maj=51.4km s-min=17.8km az=56.0.							
ISC	**XI**	**19 09 54 28.7–.81**	**13.47N–.03**	**120.14E–.04**	**50–9**	**4.2b,3.4s**	**111**	**0-94**	
MAN	XI	19 09 54 25.4	13.50N	120.10E	18	5.0b,4.0s			**¶621590277**
NEIC	XI	19 09 54 29.3–.76	13.53N–.08	120.4E–.10	58–11	4.4b,4.0s			
IDC	XI	19 09 54 29.7–1.8	13.49N	120.32E	63–17	4.0,3.7b			
ISC		Event type se.							
MAN		Event type fe. INTENSITY II - LOOC AND LUBANG OCCIDENTAL MINDORO.							
NEIC		Event type se. Error ellipse: s-maj=16.5km s-min=11.7km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=28.0km s-min=14.9km az=70.0.							
ISC	**XI**	**15 11 14 59.1–.55**	**13.90N–.07**	**120.6E–.10**	**100**	**4.3b**	**56**	**0-87**	
IDC	XI	15 11 14 58.6–.87	13.94N	120.60E	93–7	4.0,3.7b			**¶621475630**
NEIC	XI	15 11 15 01.6–.92	13.9N–.10	120.6E–.20	122–10	4.3b,3.7b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							

ISC	**XI**	**30 17 35 38.0–.50**	**13.65N–.02**	**120.69E–.03**	**143–4**	**4.6b**	**491**	**0-151**	
GFZ	XI	30 17 35 37.8–1.4	14N–3.0	121E–5.0	136–13	5.2b,4.7b			**¶621532558**
IDC	XI	30 17 35 37.8–.63	13.70N	121.02E	145–5	4.5,4.1b			
MAN	XI	30 17 35 38.0	13.65N	120.58E	130	5.3b,4.5s			
NEIC	XI	30 17 35 38.9–1.8	13.69N–.09	120.9E–.10	149–6	4.5b,4.5s			
DJA	XI	30 17 35 44.1–.50	14N–3.0	121E–3.0	210–5	5.0b,4.6b			
ISC		Event type se.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
MAN		Event type fe.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	**XI**	**20 20 21 37.2–1.3**	**13.22N**	**120.37E**	**0**	**4.0,3.9b**			**¶621590381**
IDC		Error ellipse: s-maj=29.4km s-min=14.5km az=111.0.							
ISC	**XII**	**13 09 12 30.9–.21**	**13.64N–.03**	**120.78E–.04**	**118–1**	**5.3b**	**1269**	**0-171**	
BGR	XII	13 09 12 19.8	12.14N	122.53E	106	5.2b			**¶621627985**
DJA	XII	13 09 12 27.9–.50	14N–3.0	121E–5.0	77–20	5.6b,5.4b			
MOS	XII	13 09 12 29.8–.93	13.61N	120.75E	118	5.5b,5.4b			
BJI	XII	13 09 12 29.0	13.52N	120.92E	124	5.5b,5.3b			
GFZ	XII	13 09 12 30.9–.19	14N–2.0	121E–2.0	111–1	5.7b,5.5			
GFZ	XII	13 09 12 30.9	13.66N	120.83E	99	5.4W,5.5			
IDC	XII	13 09 12 30.7–.36	13.61N	120.77E	115–2	5.4,5.0b			
GCMT	XII	13 09 12 32.6–.10	13.72N–.01	120.63E–.01	122–0	5.5W,5.0b			
NEIC	XII	13 09 12 33.4–1.5	13.62N–.07	120.76E–.09	133–3	5.3b,5.0b			
NEIC	XII	13 09 12 34.9	13.63N	120.75E	148	5.3b,5.0b			
NEIC	XII	13 09 12 39.3	13.63N	120.75E	150	5.5,5.0b			
ISC		Event type ke.							
BGR		Event type ke.							
MOS		Error ellipse: s-maj=7.1km s-min=3.5km az=118.8.							
GFZ		Error ellipse: s-maj=5.4km s-min=3.5km az=73.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GFZ		smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.86 $M_{r\theta}$0.49 $M_{\theta\phi}$0.59 $M_{\phi r}$-0.87 NP1: ϕ_s149.03441°,δ64.31012°,λ92.43406°. NP2:ϕ_s323.43404°,δ25.79713°,λ84.95472°. Principal axes: T 1.5865,Plg70.5905°,Azm64.2191°; N 0.0151,Plg2.1933°,Azm327.9787° ; P -1.6016,Plg19.2752°,Azm237.2113° $M_0$1.59413×10^{17}							
IDC		Error ellipse: s-maj=10.2km s-min=7.3km az=75.0.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112130912A. Moment Tensor Solution. s141,c245; s151,c302;Duration: 1ŝ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.02 $M_{\theta\theta}$-0.29±.02; $M_{\phi\phi}$-1.27±.03; $M_{r\theta}$0.61±.02; $M_{\theta\phi}$0.43±.02; $M_{\phi r}$-1.18±.02; Best double couple: NP1: ϕ_s343.00000°,δ24.00000°,λ97.00000°. NP2:ϕ_s155.00000°,δ66.00000°,λ87.00000°. Principal axes: T 2.0700,Plg69.0000°,Azm58.0000°; N -0.1340,Plg3.0000°,Azm156.0000° ; P -1.9330,Plg21.0000°,Azm247.0000° $M_0$2.00100×10^{17}							
NEIC		Event type se. Error ellipse: s-maj=13.0km s-min=10.6km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NEIC		Event type se.							
NEIC		Event type se. Moment Tensor Solution.Duration: 2ŝ8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.72 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$-1.17 $M_{r\theta}$0.28 $M_{\theta\phi}$0.77 $M_{\phi r}$-1.10 NP1:ϕ_s316.49000°,δ29.60000° ,λ72.52000°. NP2:ϕ_s156.40000°,δ61.89000°,λ99.69000°. Principal axes: T 2.0875,Plg71.0000°,Azm88.0000°; N -0.0849,Plg9.0000°,Azm332.0000° ; P -2.0026,Plg16.0000°,Azm239.0000° $M_0$2.05000×10^{17}							
ISC	**XII**	**09 05 42 48.9–.34**	**13.74N–.05**	**120.74E–.07**	**150**	**4.6b**	**219**	**0-169**	
IDC	XII	09 05 42 45.0–.44	13.74N	120.80E	117–3	4.5,4.1b			**¶621622883**
BJI	XII	09 05 42 49.1	13.78N	120.77E	168	4.9b,4.8b			
NEIC	XII	09 05 42 50.6–.89	13.73N–.07	120.76E–.09	167–3	4.5b,4.8b			
GFZ	XII	09 05 42 51.5–.32	14N–4.0	121E–6.0	167	5.2b,4.7b			
DJA	XII	09 05 42 53.0–.80	14N–3.0	121E–5.0	180–9	5.7,5.5			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.							
ISC	**XII**	**10 16 36 18.1–.41**	**13.99N–.06**	**120.92E–.09**	**100**	**4.3b**	**69**	**0-92**	
NEIC	XII	10 16 36 15.1–2.1	13.97N–.04	120.8E–.10	60–7	4.4b			**¶621644135**
IDC	XII	10 16 36 18.9–.57	13.89N	120.80E	93–5	4.1,3.8b			
ISC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=16.6km s-min=1.8km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=25.2km s-min=10.8km az=76.0.							
ISC	**XII**	**17 20 24 41.4–1.1**	**13.9N–.20**	**120.3E–.10**	**100**	**3.4b**	**6**	**1-40**	
IDC	XII	17 20 24 42.0–.82	14.11N	120.70E	117–10	3.5,3.1b			**¶621656949**
ISC		Event type se.							
IDC		Error ellipse: s-maj=46.7km s-min=18.9km az=56.0.							
ISC	**XII**	**26 16 06 42.3–.55**	**12.55N–.06**	**120.77E–.10**	**10**	**4.3b**	**46**	**2-85**	
IDC	XII	26 16 06 41.1–.93	12.41N	120.36E	0	4.1s,3.7b			**¶621700227**
NEIC	XII	26 16 06 42.9–1.3	12.62N–.07	120.84E–.10	10–1	4.6b,3.7b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XII**	**21 04 08 13.9–.34**	**12.77N–.04**	**121.02E–.06**	**25**	**4.8b,4.1s**	**262**	**1-150**	
BJI	XII	21 04 08 08.5	12.25N	121.00E	29	5.1b,4.6b			**¶621635034**
IDC	XII	21 04 08 09.0–.56	12.78N	120.80E	0	4.3b,4.3			
NEIC	XII	21 04 08 12.2–1.6	12.75N–.08	120.97E–.09	10–1	4.9b,4.3			
GFZ	XII	21 04 08 13.0–.19	13N–2.0	121E–5.0	10	5.5b,5.0			
GCMT	XII	21 04 08 14.1–.30	12.96N–.02	121.08E–.02	26–1	4.9W,5.0			
DJA	XII	21 04 08 16.6–.40	13N–3.0	121E–3.0	41–5	5.5b,5.1			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112210408A. Moment Tensor Solution. s24,c28; s101,c150; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.54±.13 $M_{\theta\theta}$2.59±.10; $M_{\phi\phi}$-2.05±.10; $M_{r\theta}$-2.31±.24; $M_{\theta\phi}$0.83±.07; $M_{\phi r}$-0.33±.20; Best double couple: NP1:ϕ_s210.00000°,δ66.00000° ,λ165.00000°. NP2:ϕ_s307.00000°,δ76.00000°,λ25.00000°. Principal axes: T 3.9480,Plg27.0000°,Azm170.0000°; N -1.7450,Plg61.0000°,Azm333.0000° ; P -2.2050,Plg7.0000°,Azm77.0000° $M_0$3.07600×10^{16}							
ISC	**XII**	**26 18 29 04.1–1.1**	**12.6N–.10**	**120.7E–.20**	**23**	**3.6b,2.9s**	**8**	**2-51**	
IDC	XII	26 18 29 00.9–1.0	12.50N	120.60E	0	3.6b,3.6			**¶621700238**
ISC		Event type se.							
IDC		Error ellipse: s-maj=29.3km s-min=14.0km az=87.0.							
ISC	**XII**	**28 20 59 28.6–.43**	**13.12N–.05**	**120.87E–.09**	**35**	**4.4b,3.3s**	**93**	**1-100**	
IDC	XII	28 20 59 24.1–.69	13.06N	120.34E	0	4.2b,4.2			**¶621656474**
NEIC	XII	28 20 59 34.1–2.1	13.17N–.03	120.9E–.10	86–7	4.4b,4.2			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	**XII**	**31 18 56 33.7–1.7**	**13.94N**	**121.96E**	**0**	**3.7b,3.7**			**¶621726077**
IDC		Error ellipse: s-maj=41.5km s-min=15.1km az=28.0.							
IDC	**XII**	**29 07 28 50.9–1.1**	**13.97N**	**120.90E**	**126–6**	**3.6,3.2b**			**¶621724188**
IDC		Error ellipse: s-maj=32.8km s-min=13.9km az=25.0.							

(251) Samar.

ISC	**VIII**	**20 07 29 38.3–.55**	**11.7N–.10**	**125.2E–.20**	**40**	**4.2b,2.7s**	**36**	**5-118**	
IDC	VIII	20 07 29 32.2–.66	11.76N	125.36E	0	4.1b,4.1			**¶621041249**
NEIC	VIII	20 07 29 46.2–.96	11.7N–.10	125.1E–.10	106–7	4.2b,4.1			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MAN	**VIII**	**29 09 44 27.8**	**12.86N**	**124.88E**	**15**	**5.0b,4.0s**			**¶626362508**
MAN		Event type fe.							
ISC	**VIII**	**27 11 24 29.7–.70**	**11.03N–.09**	**125.1E–.20**	**200**	**3.8b**	**15**	**4-60**	

IDC VIII 27 11 24 29.0–1.7 11.01N 125.03E 191–16 4.2,3.6b ¶621072145
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=8.7km az=69.0.
ISC VIII 31 15 26 56.5–.71 11.46N–.02 125.51E–.04 47–6 4.4b 183 0-148
IDC VIII 31 15 26 49.6–.56 11.38N 125.38E 0 4.2b,4.2 ¶621012270
NEIC VIII 31 15 26 57.9–1.1 11.43N–.09 125.4E–.10 55–6 4.4b,4.2
MAN VIII 31 15 26 57.4 11.52N 125.45E 45 5.2b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=13.4km az=71.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=12.0km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - BALANGKAYAN CITY OF BORONGAN AND MAYDOLONG EASTERN SAMAR ; . INTENSITY II - GENERAL MACARTHUR GIPORLOS LAWAAN LLORENTE SAN JULIAN AND SULAT EASTERN SAMAR; BABATNGON LEYTE; CITY OF TACLOBAN.
ISC IX 15 10 47 53.3–.70 11.43N–.02 125.42E–.04 56–6 4.4b,3.8s 138 0-148
MAN IX 15 10 47 52.8 11.42N 125.48E 60 5.1b,4.2s ¶621076038
IDC IX 15 10 47 53.8–5.3 11.33N 125.42E 68–49 4.3,4.0b
NEIC IX 15 10 48 05.2–.92 11.26N–.09 125.2E–.10 167–3 4.3b,4.0b
ISC Event type fe.
MAN Event type fe. INTENSITY III - BALANGIGA BALANGKAYAN CITY OF BORONGAN GENERAL MACARTHUR GIPORLOS HERNANI LAWAAN LLORENTE MAYDOLONG QUINAPONDAN AND SALCEDO EASTERN SAMAR; . INTENSITY II - MERCEDES SAN JULIAN SULAT AND TAFT EASTERN SAMAR; BABATNGON DULAG PALO PASTRANA AND TANAUAN LEYTE; CITY OF TACLOBAN; BASEY AND MARABUT SAMAR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 19 22 15 19.4–4.1 11.42N 125.98E 0 4.0b,4.0
¶621244101
IDC Error ellipse: s-maj=372.9km s-min=27.2km az=68.0.
IDC XI 15 04 02 12.0–2.4 11.05N 125.37E 0 3.6b,3.6
¶621475585
IDC Error ellipse: s-maj=242.7km s-min=23.5km az=66.0.
ISC X 28 05 39 02.1–1.1 12.98N–.02 124.64E–.03 1–6 4.7b,4.2s 294 0-100
IDC X 28 05 39 01.7–.59 12.80N 124.55E 0 4.4,4.2L ¶621242579
MAN X 28 05 39 03.4 12.97N 124.55E 7 5.6b,5.0s
NEIC X 28 05 39 03.3–1.0 12.85N–.07 124.50E–.02 10–1 4.8b,5.0s
GFZ X 28 05 39 04.4–.29 13N–3.0 125E–6.0 10 5.1b,5.0
GCMT X 28 05 39 05.5–.20 13.04N–.01 124.55E–.01 20–0 5.0W,5.0
BJI X 28 05 39 05.2 13.02N 124.44E 10 5.1b,4.7s
DJA X 28 05 39 15.9–1.6 13N–12 125E–4.0 47–9 5.4,5.4b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - CATARMAN MONDRAGON AND PAMBUJAN NORTHERN SAMAR ; . INTENSITY III - ALLEN BIRI LAOANG LAVEZARES AND SAN ISIDRO NORTHERN SAMAR ; . INTENSITY II - CITY OF CALBAYOG CITY OF CATBALOGAN AND SANTA MARGARITA SAMAR ; . INTENSITY I - PRIETO DIAZ SORSOGON.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110280539A. Moment Tensor Solution. s66,c95; s124,c202; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.74±.14 $M_{\theta\theta}$2.54±.12; $M_{\phi\phi}$-1.80±.12; $M_{r\theta}$-0.92±.20; $M_{\theta\phi}$4.18±.09; $M_{\phi r}$0.18±.22; Best double couple: NP1:ϕ_s194.00000°,δ78.00000° ,λ-178.00000°. NP2:ϕ_s103.00000°,δ88.00000°,λ-12.00000°. Principal axes: T 5.1620,Plg7.0000°,Azm149.0000°; N -0.7120,Plg78.0000°,Azm273.0000° ; P -4.4490,Plg10.0000°,Azm58.0000° M_ϕ4.80500×10^{16}
ISC XI 22 23 40 36.9–1.9 11.3N–.60 126E–1.0 33 3.7b 7 4-85
IDC XI 22 23 40 31.8–2.5 11.36N 126.15E 0 3.7b,3.7 ¶621611929
ISC Event type se.
IDC Error ellipse: s-maj=274.1km s-min=19.1km az=67.0.
ISC XI 17 00 52 13.0–1.1 12.05N–.02 124.07E–.02 11–7 3.8b,3.2s 111 1-87
IDC XI 17 00 52 11.0–.79 12.08N 124.09E 0 3.8b,3.8 ¶621494186
MAN XI 17 00 52 13.2 12.02N 123.98E 5 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=17.7km az=80.0.
MAN Event type fe. INTENSITY IV - CATAINGAN AND PIO V. CORPUZ MASBATE; . INTENSITY III - PALANAS AND PLACER MASBATE; TAGAPUL-AN SAMAR; . INTENSITY II - ALMAGRO SAMAR; . INTENSITY I - BULUSAN SORSOGON.
ISC XII 04 22 56 01.3–1.2 12.3N–.20 125.6E–.40 33 4.0b 9 26-60
IDC XII 04 22 55 56.6–1.1 12.25N 125.56E 0 4.0b,4.0 ¶621630696
ISC Event type se.
IDC Error ellipse: s-maj=61.6km s-min=15.6km az=64.0.

(253) Sulu Sea.

ISC IX 05 09 00 22.5–1.2 9.85N–.02 121.97E–.03 11–7 4.6b,3.8s 296 1-147
GFZ IX 05 09 00 21.9–.58 10N–6.0 122E–4.0 10 4.9,4.8b ¶621035488
MAN IX 05 09 00 23.2 9.92N 122.00E 13 5.4b,4.6s
BJI IX 05 09 00 25.1 9.94N 122.21E 34 4.8b,4.6b
IDC IX 05 09 00 26.6–1.9 9.84N 122.20E 37–16 4.4L,4.3
NEIC IX 05 09 00 26.0–1.4 9.86N–.07 122.04E–.07 35–1 4.6b,4.3
ISC Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MAN Event type fe. INTENSITY IV - CITY OF SIPALAY NEGROS OCCIDENTAL ; . INTENSITY III - CITY OF BAYAWAN NEGROS ORIENTAL ; . INTENSITY II - CITY OF BAGO AND HINOBA-AN NEGROS OCCIDENTAL; SANTA CATALINA NEGROS ORIENTAL ; . INTENSITY I - PONTEVEDRA NEGROS OCCIDENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 20 12 02.4–1.3 9.96N–.02 121.99E–.03 12–8 4.5b,3.5s 238 1-91
MAN X 04 20 12 01.6 10.01N 122.01E 4 5.4b,4.6s ¶621118421
NEIC X 04 20 12 02.2–1.4 9.94N–.06 122.15E–.06 10–1 4.6b,4.6s
GFZ X 04 20 12 04.0–.35 10N–3.0 122E–6.0 10 5.1b,4.9L
BJI X 04 20 12 06.6 10.05N 122.01E 40 4.9b,4.6b
DJA X 04 20 12 10.5–.90 10N–6.0 122E–6.0 45–8 5.2,5.1b
IDC X 04 20 12 19.6–1.9 9.73N 122.03E 179–21 4.2,3.6b
ISC Event type fe.
MAN Event type fe. INTENSITY III - CAUAYAN AND CITY OF SIPALAY NEGROS OCCIDENTAL.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.5km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=13.0km s-min=5.8km az=73.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=21.8km s-min=11.1km az=70.0.
IDC XII 01 04 00 01.2–3.6 9.20N 121.72E 0 5.7L,4.6
¶621629786
IDC Error ellipse: s-maj=135.8km s-min=24.7km az=47.0.
IDC X 25 02 29 44.9–2.4 9.04N 121.98E 0 4.7b,4.7
¶621366417
IDC Error ellipse: s-maj=281.1km s-min=28.2km az=62.0.
IDC XII 09 16 48 41.3–1.5 7.85N 118.25E 0 3.8b,3.8
¶621636584
IDC Error ellipse: s-maj=330.1km s-min=28.1km az=60.0.
IDC XII 19 21 08 31.4–2.8 9.47N 121.72E 0 3.8b,3.8
¶621657102
IDC Error ellipse: s-maj=342.1km s-min=28.8km az=62.0.

(254) Panay.

ISC VII 08 23 52 49.3–2.1 11.5N–.30 122.8E–.50 35 4.1b 6 3-92
IDC VII 08 23 52 43.9–1.8 11.53N 122.92E 0 5.3L,4.0s ¶620928210
ISC Event type se.
IDC Error ellipse: s-maj=72.6km s-min=21.1km az=67.0.
ISC XI 22 12 49 48.1–.94 11.34N–.02 122.18E–.02 23–7 4.3b,3.1s 163 0-149
IDC XI 22 12 49 44.1–.78 11.32N 122.38E 0 4.0b,4.0 ¶621611911
NEIC XI 22 12 49 46.4–1.1 11.25N–.03 122.3E–.10 10–1 4.4b,4.0
MAN XI 22 12 49 47.5 11.35N 122.17E 15 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=16.7km az=66.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=4.5km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - PANDAN SEBASTE AND TIBIAO ANTIQUE; LIBACAO MADALAG AND NEW WASHINGTON AKLAN; . INTENSITY II - NABAS BANGA TANGALAN MAKATO AND MALINAO AKLAN; . INTENSITY I - LEZO AKLAN.
ISC IX 19 20 49 10.7–1.3 11.05N–.02 122.12E–.03 9–8 3.6b,3.4s 117 0-90
IDC IX 19 20 49 08.0–.85 10.78N 122.23E 0 3.7b,3.7 ¶621113643
MAN IX 19 20 49 10.9 11.04N 122.10E 15 5.4b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=31.5km s-min=16.4km az=74.0.
MAN Event type fe. INTENSITY IV - VALDERRAMA ANTIQUE ; . INTENSITY III - BUGASONG ANTIQUE ; . INTENSITY II - BELISON AND SAN JOSE ANTIQUE.
MAN IX 20 19 10 58.5 11.04N 122.11E 15 5.2b,4.2s
¶626596713
MAN Event type fe. INTENSITY III - VALDERRAMA ANTIQUE.
ISC X 14 10 37 46.7–.66 11.01N–.03 121.84E–.03 36–1 4.2b,3.3s 109 1-100
MAN X 14 10 37 41.0 11.11N 121.78E 6 5.4b,4.5s ¶621240632
IDC X 14 10 37 42.2–.78 10.67N 121.82E 0 4.7L,3.9
NEIC X 14 10 37 47.5–1.6 10.90N–.08 121.9E–.10 36–6 4.4b,3.9
ISC Event type fe.
MAN Event type fe. INTENSITY IV - BARBAZA ANTIQUE ; . INTENSITY III - LAUA-AN AND TIBIAO ANTIQUE ; . INTENSITY II - BELISON BUGASONG AND SAN JOSE ANTIQUE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 06 26 04.6–.49 10.74N–.06 122.0E–.10 16 4.2b 46 4-85
IDC XII 12 06 26 01.1–.82 10.62N 121.94E 0 4.4L,3.8 ¶621650476
NEIC XII 12 06 26 07.8–1.1 10.77N–.09 122.0E–.10 35–8 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(255) Cebu.

IDC IX 22 03 23 41.7–2.7 10.14N 123.08E 0 3.6b,3.6
¶621118116
IDC Error ellipse: s-maj=314.5km s-min=23.0km az=64.0.

(256) Leyte.

IDC VII 07 15 51 27.3–3.7 10.92N 125.54E 0 3.3b,3.3
¶620928127
IDC Error ellipse: s-maj=300.2km s-min=27.9km az=65.0.
MAN VII 16 21 14 03.7 10.39N 125.95E 21 5.0b,4.0s
¶626333122
MAN Event type fe.
ISC VII 19 17 53 19.5–1.0 10.47N–.02 125.07E–.02 13–6 4.3b,3.6s 130 1-147
IDC VII 19 17 53 17.3–.57 10.43N 125.04E 0 4.2b,4.2 ¶620833958
MAN VII 19 17 53 19.2 10.50N 125.09E 8 5.3b,4.4s
NEIC VII 19 17 53 23.8–1.6 10.43N–.10 125.1E–.20 43–7 4.3b,4.4s
ISC Event type se.
MAN Event type fe. INTENSITY IV - SILAGO SOUTHERN LEYTE ; . INTENSITY III - BONTOC HINUNANGAN LIBAGON SAINT BERNARD AND SOGOD SOUTHERN LEYTE ; . INTENSITY II - ABUYOG LEYTE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 21 20 09 27.6–.61 10.32N–.03 125.54E–.04 115–5 4.2b 119 0-147
MAN VII 21 20 09 28.0 10.27N 125.56E 102 5.0b,4.0s ¶620961680
IDC VII 21 20 09 29.6–2.9 10.27N 125.37E 129–26 4.1,3.7b
NEIC VII 21 20 09 29.3–1.4 10.28N–.09 125.4E–.20 121–7 4.4b,3.7b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 22 11 15 13.9–1.1 11.51N–.02 124.45E–.03 13–7 4.2b,3.2s 119 0-118
IDC VII 22 11 15 11.8–.62 11.57N 124.58E 0 4.8L,4.1b ¶620845121
MAN VII 22 11 15 14.2 11.50N 124.39E 9 5.2b,4.3s
NEIC VII 22 11 15 17.9–1.1 11.6N–.10 124.6E–.20 39–4 4.5b,4.3s
ISC Event type se.
MAN Event type fe. INTENSITY IV - CALUBIAN LEYTE ; . INTENSITY III - ALMERIA BILIRAN CABUCGAYAN CAIBIRAN CULABA KAWAYAN AND NAVAL BILIRAN; LEYTE AND SAN ISIDRO LEYTE ; . INTENSITY II - CAPOOCAN KANANGA AND PALOMPON LEYTE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 02 22 33.2–.45 10.37N–.06 125.6E–.10 100 4.2b 75 9-147
IDC VIII 17 02 22 33.2–.58 10.37N 125.50E 101–4 4.3,3.9b ¶620990414
NEIC VIII 17 02 22 37.9–1.1 10.4N–.10 125.4E–.10 138–8 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 07 23 31.6–.37 11.53N–.02 124.43E–.02 26–2 4.7b,4.3s 299 1-148
MAN IX 02 07 23 27.0 11.52N 124.39E 4 5.6b,5.0s ¶621022470
IDC IX 02 07 23 26.8–.50 11.49N 124.66E 0 4.4,4.3L
GFZ IX 02 07 23 27.8–.28 12N–3.0 125E–6.0 10 4.8b,4.6
BJI IX 02 07 23 30.4 11.53N 124.53E 27 4.9b,4.7s
GCMT IX 02 07 23 32.2–.20 11.54N–.01 124.36E–.01 20–1 5.0W,4.7s
NEIC IX 02 07 23 32.1–1.1 11.62N–.05 124.48E–.09 31–5 4.8b,4.7s
ISC Event type fe.
MAN Event type fe. INTENSITY V - ALMERIA BILIRAN CABUCGAYAN AND NAVAL BILIRAN ; . INTENSITY IV - CAIBIRAN CULABA AND KAWAYAN BILIRAN; CALUBIAN LEYTE SAN ISIDRO TABANGO AND VILLABA LEYTE; . INTENSITY III - MARIPIPI BILIRAN; CAPOOCAN CARIGARA ISABEL KANANGA AND MERIDA LEYTE; ORMOC CITY ; ; . INTENSITY II - CITY OF MASBATE MASBATE; CITY OF CEBU; ALANGALANG JARO PALO PASTRANA SANTA FE AND TUNGA LEYTE; ; CITY OF TACLOBAN.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109020723A. Moment Tensor Solution. s38,c48; s111,c177; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.04±.12 $M_{\theta\theta}$3.55±.10; $M_{\phi\phi}$-3.51±.11; $M_{r\theta}$-1.82±.23; $M_{\theta\phi}$-1.49±.08; $M_{\phi r}$-0.26±.20; Best double couple: NP1:ϕ_s328.00000° ,δ68.00000°,λ8.00000°. NP2:ϕ_s235.00000°,δ82.00000°,λ158.00000°. Principal axes: T 4.5180,Plg21.0000°,Azm190.0000°; N -0.5950,Plg67.0000°,Azm37.0000° ; P -3.9190,Plg10.0000°,Azm284.0000° M_ϕ4.21800×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 26 14 36 56.5–3.3 11.56N 124.09E 0 3.3b,3.3
¶621059000
IDC Error ellipse: s-maj=327.8km s-min=24.2km az=65.0.
ISC IX 06 21 12 26.9–1.4 10.1N–.50 125E–1.0 10 3.7b 9 3-61
IDC IX 06 21 12 39.1–3.8 10.27N 125.04E 123–35 3.8,3.4b ¶621094284
ISC Event type se.
IDC Error ellipse: s-maj=134.5km s-min=18.6km az=67.0.
ISC IX 07 13 19 24.3–1.1 11.54N–.02 124.36E–.02 6–9 3.8b 55 1-54
IDC IX 07 13 19 22.4–3.7 11.65N 124.79E 0 3.8b,3.8 ¶621094327
MAN IX 07 13 19 23.6 11.57N 124.36E 7 5.0b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=360.0km s-min=25.8km az=66.0.
MAN Event type fe. INTENSITY V - NAVAL BILIRAN ; . INTENSITY IV - ALMERIA AND BILIRAN BILIRAN ; . INTENSITY III - KAWAYAN BILIRAN; CALUBIAN LEYTE ; . INTENSITY II - LEYTE LEYTE.
ISC X 19 22 12 24.2–1.0 10.95N–.02 124.80E–.02 8–7 4.2b,3.6s 130 0-92
MAN X 19 22 12 23.8 10.93N 124.79E 3 5.0b,4.0s ¶621224682
NEIC X 19 22 12 24.7–1.4 10.94N–.09 124.8E–.10 10–1 4.5b,4.0s
IDC X 19 22 12 36.0–2.3 10.90N 124.99E 117–26 4.1,3.6b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - ALBUERA LEYTE; ORMOC CITY ; . INTENSITY III - CITY OF BAYBAY BURAUEN DULAG AND LA PAZ LEYTE ; . INTENSITY II - ABUYOG JAVIER JULITA PASTRANA AND TABONTABON LEYTE.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=15.4km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.0km s-min=14.9km az=75.0.
IDC XII 16 04 14 10.9–2.7 10.14N 125.78E 0 3.6b,3.6

¶621655754
IDC Error ellipse: s-maj=279.2km s-min=23.3km az=67.0.
ISC XI 08 13 48 50.6–.93 10.6N–.20 125.7E–.30 50 3.6b 9 19-79
IDC XI 08 13 48 43.7–.94 10.68N 125.80E 0 3.7b,3.7 ¶621423103
ISC Event type se.
IDC Error ellipse: s-maj=50.3km s-min=16.6km az=64.0.
ISC XII 17 21 24 36.8–.88 10.84N–.08 125.7E–.30 50 3.5b,2.8s 11 4-88
IDC XII 17 21 24 30.0–1.0 10.97N 125.85E 0 4.4L,3.7 ¶621656954
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=14.0km az=78.0.
ISC XII 26 07 53 43.1–.85 10.7N–.20 126.0E–.50 50 4.1b 11 4-147
IDC XII 26 07 53 36.3–.85 10.80N 126.06E 0 3.9b,3.9 ¶621700204
ISC Event type se.
IDC Error ellipse: s-maj=80.6km s-min=17.9km az=68.0.

(257) Negros.

ISC VIII 31 05 12 31.5–1.3 9.70N–.02 122.16E–.03 8–8 4.2b 103 0-168
IDC VIII 31 05 12 30.0–.56 9.61N 122.14E 0 3.9b,3.9 ¶621076577
NEIC VIII 31 05 12 32.4–.84 9.67N–.09 122.4E–.20 10–1 4.3b,3.9
MAN VIII 31 05 12 32.5 9.74N 122.13E 12 5.2b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=13.9km az=69.0.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=15.8km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - HINOBA-AN NEGROS OCCIDENTAL ; . INTENSITY III - CAUAYAN AND CITY OF SIPALAY NEGROS OCCIDENTAL; CITY OF BAYAWAN NEGROS ORIENTAL ; . INTENSITY II - ILOG NEGROS OCCIDENTAL; SANTA CATALINA NEGROS ORIENTAL ; . INTENSITY I - CITY OF BAGO NEGROS OCCIDENTAL.
ISC X 04 15 25 50.1–.52 9.80N–.07 122.30E–.09 27 4.4b,3.0s 56 4-84
IDC X 04 15 25 46.1–.84 9.78N 122.19E 0 4.0b,4.0 ¶621203124
NEIC X 04 15 25 48.3–1.1 9.83N–.07 122.37E–.04 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 05 30 06.1–.90 9.87N–.02 123.94E–.02 15–6 4.3b 110 0-75
IDC IX 26 05 30 04.3–.98 9.97N 124.19E 0 4.3L,4.0b ¶621131490
NEIC IX 26 05 30 05.9–1.0 9.82N–.09 123.72E–.08 10–1 4.5b,4.0b
MAN IX 26 05 30 06.2 9.85N 123.99E 5 5.1b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=59.5km s-min=14.2km az=64.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=6.4km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - BALILIHAN CALAPE CATIGBIAN CORTES SAN ISIDRO AND TUBIGON BOHOL ; . INTENSITY II - CARMEN INABANGA SAGBAYAN AND CITY OF TAGBILARAN BOHOL.
IDC XII 13 18 14 08.8–2.0 9.34N 123.15E 0 3.6b,3.6
¶621650589
IDC Error ellipse: s-maj=338.8km s-min=30.6km az=68.0.
ISC XI 02 03 58 59.1–.80 9.92N–.02 122.47E–.03 29–5 4.4b,3.2s 192 0-147
NEIC XI 02 03 58 56.7–1.5 9.92N–.08 122.56E–.10 10–1 4.6b,3.2s ¶621252446
IDC XI 02 03 58 58.0–2.3 9.83N 122.70E 26–15 4.2,4.1b
MAN XI 02 03 58 57.9 9.94N 122.40E 21 5.1b,4.1s
DJA XI 02 03 59 08.6–1.1 9N–6.0 122E–5.0 37–10 5.3b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY V - CAUAYAN AND CITY OF SIPALAY NEGROS OCCIDENTAL ; . INTENSITY IV - HINOBA-AN NEGROS OCCIDENTAL ; . INTENSITY III - JORDAN GUIMARAS; CITY OF ILOILO; CITY OF BAGO NEGROS OCCIDENTAL; CITY OF BAYAWAN NEGROS ORIENTAL ; . INTENSITY II - CITY OF LA CARLOTA NEGROS OCCIDENTAL; CITY OF BACOLOD ; . INTENSITY I - SANTA CATALINA NEGROS ORIENTAL.
ISC X 05 01 47 40.7–.59 9.86N–.09 122.2E–.10 10 4.4b 30 4-84
IDC X 05 01 47 39.0–1.1 9.82N 122.25E 0 3.9b,3.9 ¶621203145
NEIC X 05 01 47 41.8–1.5 9.87N–.10 122.1E–.10 10–1 4.7b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 15 00 53 41.6–1.9 9.6N–.50 123E–1.0 10 3.7b 7 28-55
IDC XI 15 00 53 39.6–1.8 9.78N 123.59E 0 3.7b,3.7 ¶621475574
ISC Event type se.
IDC Error ellipse: s-maj=169.7km s-min=17.9km az=67.0.

(259) Mindanao.

ISC VII 02 13 39 40.0–.67 7.06N–.07 123.21E–.07 12 4.0b 23 2-67
IDC VII 02 13 39 38.6–1.1 7.04N 123.19E 0 4.4L,3.9 ¶620927752
NEIC VII 02 13 39 40.5–.90 7.10N–.06 123.20E–.07 10–1 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 03 14 34 55.8–2.7 5.94N 126.54E 0 3.4b,3.4
¶620927810
IDC Error ellipse: s-maj=258.1km s-min=23.1km az=67.0.
ISC VII 04 03 47 13.2–.95 6.36N–.07 126.29E–.09 150 3.5b 35 1-83
IDC VII 04 03 47 12.0–1.2 6.49N 126.47E 136–12 3.8,3.3b ¶620927856
DJA VII 04 03 47 15.4–.90 6N–8.0 126E–4.0 170–8 5.5b,5.0
ISC Event type se.
ISC VII 04 06 21 03.5–1.1 6.1N–.10 125.1E–.30 40 3.9b 6 1-89
IDC VII 04 06 20 58.0–1.1 6.04N 124.87E 0 3.8b,3.8 ¶620927864
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=15.9km az=105.0.
ISC VII 04 17 04 47.2–.71 9.46N–.03 126.01E–.05 97–6 4.2b 88 0-146
NEIC VII 04 17 04 40.8–2.5 9.78N–.08 126.5E–.20 36–10 4.5b ¶620927889
IDC VII 04 17 04 42.4–4.2 9.70N 126.46E 53–37 4.3L,4.0
MAN VII 04 17 04 48.0 9.40N 125.97E 65 5.1b,4.1s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=10.9km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.6km s-min=13.2km az=68.0.
MAN Event type fe.
ISC VII 05 19 57 23.3–.54 8.95N–.06 126.5E–.10 54 4.1b,3.2s 41 2-89
IDC VII 05 19 57 16.1–.61 8.97N 126.51E 0 3.9b,3.9 ¶620927988
NEIC VII 05 19 57 23.0–.67 9.01N–.08 126.6E–.10 46–3 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 06 00 55 21.4–.85 7.56N–.08 125.8E–.20 25 3.8b,3.1s 12 1-88
IDC VII 06 00 55 17.5–.87 7.60N 125.94E 0 3.8b,3.8 ¶620927998
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=15.0km az=88.0.
IDC VII 06 04 44 40.6–1.7 7.59N 125.51E 0 3.5b,3.5
¶620928001
IDC Error ellipse: s-maj=111.0km s-min=13.8km az=74.0.
ISC VII 06 14 38 17.2–1.1 7.09N–.03 125.25E–.04 17–8 4.4b,3.2s 83 0-95
IDC VII 06 14 38 13.2–.96 6.72N 125.05E 0 3.8L,3.6 ¶620928041
MAN VII 06 14 38 15.8 7.37N 125.95E 15 5.2b,4.2s
NEIC VII 06 14 38 16.4–1.1 6.97N–.09 125.16E–.04 11–6 4.5b,4.2s
DJA VII 06 14 38 16.3–5.5 7N–39 126E–9.0 10–8 4.9b,4.6b
ISC Event type se.
MAN Event type fe. INTENSITY III - MACO DAVAO DE ORO; CARMEN AND CITY OF TAGUM DAVAO DEL NORTE ; . INTENSITY II - MAWAB AND NABUNTURAN DAVAO DE ORO.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 07 20 58 51.4–.65 5.96N–.05 125.40E–.08 179–6 4.0b 73 1-89
DJA VII 07 20 58 51.1–.70 6N–5.0 125E–8.0 190–8 4.6b,4.6 ¶620772571
NEIC VII 07 20 58 52.0–1.6 6.01N–.07 125.4E–.10 173–6 4.4b,4.6
IDC VII 07 20 58 52.4–.60 6.05N 125.32E 184–4 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=10.5km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.3km s-min=8.9km az=76.0.
ISC VII 08 06 19 43.9–.86 5.26N–.04 126.46E–.06 73–8 4.4b 142 1-121
MAN VII 08 06 19 39.9 5.19N 126.43E 19 5.3b,4.4s ¶620773172
DJA VII 08 06 19 40.9–3.2 5N–29 126E–8.0 10 4.9b,4.7b
NEIC VII 08 06 19 41.5–1.1 5.47N–.06 126.50E–.10 48–6 4.5b,4.7b
BJI VII 08 06 19 42.0 5.36N 126.06E 50 4.9b,4.6b
IDC VII 08 06 19 46.5–1.3 5.27N 126.50E 98–10 4.3,4.0b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.7km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.0km s-min=9.4km az=77.0.
ISC VII 08 10 09 17.2–.38 5.13N–.02 126.52E–.03 33–1 5.0b,4.3s 499 1-178
MAN VII 08 10 09 11.8 4.85N 126.60E 21 5.8b,5.2s ¶620773510
NEIC VII 08 10 09 17.7–2.6 5.33N–.04 126.47E–.07 24–3 5.2,5.1b
GFZ VII 08 10 09 18.7–.40 5N–2.0 127E–3.0 34–3 5.0b,4.9
BJI VII 08 10 09 19.0 5.30N 126.50E 54 5.1b,4.9b
IDC VII 08 10 09 19.5–.86 5.26N 126.42E 46–7 4.7,4.5b
DJA VII 08 10 09 20.2–.30 5N–3.0 127E–2.0 45–3 5.4b,5.3
GCMT VII 08 10 09 20.4–.10 5.25N–.01 126.58E–.01 28–0 5.3W,5.3
ISC Event type se.
MAN Event type fe. INTENSITY II - JOSE ABAD SANTOS DAVAO OCCIDENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107081009A. Moment Tensor Solution. s103,c156; s118,c209;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.68±.02 $M_{\theta\theta}$0.10±.01; $M_{\phi\phi}$-0.77±.01; $M_{r\theta}$0.07±.02; $M_{\theta\phi}$0.09±.01; $M_{\phi r}$0.77±.03; Best double couple: NP1: ϕ_s163.00000°,δ23.00000°,λ72.00000°. NP2:ϕ_s3.00000°,δ68.00000°,λ97.00000°. Principal axes: T 1.0250,Plg66.0000°,Azm286.0000°; N 0.0880,Plg7.0000°,Azm180.0000° ; P -1.1140,Plg23.0000°,Azm87.0000° $M_0$1.07000×10^{17}
ISC VII 09 00 24 44.1–.61 5.44N–.06 125.89E–.08 150 3.8b 53 2-122
IDC VII 09 00 24 43.8–3.3 5.27N 125.44E 142–40 3.9,3.5b ¶620928213
DJA VII 09 00 24 44.6–.60 5N–5.0 126E–5.0 166–6 5.0b,4.6
NEIC VII 09 00 24 45.0–.90 5.44N–.08 125.8E–.10 151–9 4.3b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 09 08 34 52.5–.76 8.46N–.02 123.29E–.03 27–5 4.6b,3.5s 251 0-146
IDC VII 09 08 34 47.8–.47 8.39N 122.99E 0 4.7L,4.4 ¶620784561
BJI VII 09 08 34 48.6 8.35N 123.36E 17 4.9b,4.8b
GFZ VII 09 08 34 51.5–.18 8N–3.0 123E–4.0 10 4.9,4.9b
NEIC VII 09 08 34 51.2–1.9 8.58N–.07 123.25E–.07 10–1 4.6b,4.9b
MAN VII 09 08 34 52.8 8.43N 123.35E 20 5.3b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=9.5km az=59.0.
GFZ Error ellipse: s-maj=9.6km s-min=5.2km az=67.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=11.1km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - CITY OF DIPOLOG AND KATIPUNAN ZAMBOANGA DEL NORTE ; . INTENSITY II - CITY OF DUMAGUETE AND ZAMBOANGUITA NEGROS ORIENTAL; LARENA LAZI MARIA SAN JUAN AND SIQUIJOR SIQUIJOR; LILOY PINAN AND ; POLANCO ZAMBOANGA DEL NORTE; MOLAVE ZAMBOANGA DEL SUR; TUBOD LANAO DEL NORTE ; . INTENSITY I - SANTA CATALINA SIATON AND SIBULAN NEGROS ORIENTAL; TAMPILISAN ZAMBOANGA DEL NORTE.
ISC VII 10 03 34 55.0–1.2 6.3N–.10 125.0E–.20 150 3.5b 7 1-55
IDC VII 10 03 34 55.6–.88 6.62N 125.65E 172–9 3.9,3.4s ¶620928317
ISC Event type se.
IDC Error ellipse: s-maj=79.4km s-min=20.5km az=64.0.
ISC VII 10 18 45 18.9–.28 6.40N–.03 124.04E–.03 69–2 4.9b 526 1-122
BJI VII 10 18 45 18.0 6.45N 124.18E 74 4.9b,4.7s ¶620787390
IDC VII 10 18 45 18.3–.48 6.39N 123.94E 60–4 4.5,4.1b
MAN VII 10 18 45 18.3 6.47N 123.94E 31 5.5b,4.7s
NEIC VII 10 18 45 19.8–1.1 6.38N–.07 124.04E–.06 77–6 4.9b,4.7s
GFZ VII 10 18 45 19.2–.18 6N–2.0 124E–4.0 63 4.9,4.8b
GCMT VII 10 18 45 20.4–.30 6.46N–.02 124.06E–.03 72–3 4.8W,4.8b
DJA VII 10 18 45 21.3–.20 6N–2.0 124E–1.0 54–2 5.5,5.4b
ISC Event type se.
MAN Event type fe. INTENSITY IV - KALAMANSIG LEBAK AND PALIMBANG SULTAN KUDARAT; . INTENSITY III - CITY OF COTABATO; . INTENSITY II - PRESIDENT QUIRINO SULTAN KUDARAT; . INTENSITY I - CITY OF ZAMBOANGA.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107101845A. Moment Tensor Solution. s26,c27; s67,c95; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.09±.12 $M_{\theta\theta}$1.46±.09; $M_{\phi\phi}$-0.37±.11; $M_{r\theta}$-0.73±.06; $M_{\theta\phi}$1.07±.08; $M_{\phi r}$0.68±.07; Best double couple: NP1:ϕ_s212.00000°,δ51.00000° ,λ-146.00000°. NP2:ϕ_s99.00000°,δ64.00000°,λ-44.00000°. Principal axes: T 2.0030,Plg8.0000°,Azm158.0000°; N -0.0760,Plg40.0000°,Azm254.0000° ; P -1.9280,Plg49.0000°,Azm59.0000° $M_0$1.96500×10^{16}
ISC VII 11 12 41 31.9–.76 6.4N–.10 126.5E–.20 150 4.0b 13 1-88
IDC VII 11 12 41 31.6–1.3 6.46N 126.60E 142–11 4.0,3.5b ¶620928424
ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=14.0km az=62.0.
ISC VII 11 17 07 19.2–.91 8.79N–.03 126.59E–.05 47–8 4.4b,3.5s 119 0-94
MAN VII 11 17 07 18.7 8.78N 126.57E 27 5.2b,4.3s ¶620928432
NEIC VII 11 17 07 23.7–1.9 8.78N–.02 126.3E–.10 78–8 4.3b,4.3s
IDC VII 11 17 07 25.1–1.7 8.68N 126.48E 108–16 4.3,3.9b
ISC Event type se.
MAN Event type fe. INTENSITY II - CAGWAIT MARIHATAG AND SAN AGUSTIN SURIGAO DEL SUR.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=2.9km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=11.5km az=72.0.
ISC VII 12 06 04 31.4–1.1 7.62N–.02 124.81E–.02 3–9 3.7b,2.9s 66 0-57
MAN VII 12 06 04 31.4 7.71N 124.84E 1 5.2b,4.3s ¶620928463
IDC VII 12 06 04 32.0–2.7 7.29N 124.62E 0 3.7b,3.7
ISC Event type se.
MAN Event type fe. INTENSITY III - DON CARLOS AND KADINGILAN BUKIDNON; AMAI MANABILANG AND WAO LANAO ; DEL SUR; . INTENSITY II - DAMULOG DANGCAGAN KALILANGAN KIBAWE MARAMAG AND PANGANTUCAN ; BUKIDNON; PRESIDENT ROXAS COTABATO.
IDC Error ellipse: s-maj=309.4km s-min=23.1km az=65.0.
ISC VII 12 11 25 42.7–.98 7.70N–.02 124.81E–.02 12–7 3.7b,3.0s 76 0-82
IDC VII 12 11 25 40.2–.96 8.05N 126.03E 0 3.8b,3.8 ¶620928486
MAN VII 12 11 25 42.3 7.69N 124.85E 1 5.2b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=12.8km az=96.0.
MAN Event type fe. INTENSITY III - DON CARLOS AND KADINGILAN BUKIDNON ; . INTENSITY II - DAMULOG DANGCAGAN KALILANGAN KIBAWE KITAOTAO AND MARAMAG BUKIDNON.
ISC VII 14 13 50 59.7–.50 6.03N–.07 124.0E–.10 500 4.0b 48 2-86
NEIC VII 14 13 51 01.0–1.3 6.0N–.10 123.9E–.10 514–10 4.2b ¶620928598
IDC VII 14 13 51 02.2–3.8 5.99N 124.17E 547–55 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=14.3km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.9km s-min=12.4km az=67.0.
ISC VII 14 17 20 53.0–.59 5.79N–.08 124.82E–.09 400 3.2b 39 2-59

DJA VII 14 17 20 55.7–1.5 6N–15 125E–7.0 355–6 4.6b,4.6 ¶620928605
IDC VII 14 17 20 57.0–3.3 5.77N 124.61E 443–44 3.8,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=12.2km az=72.0.
ISC VII 15 19 10 49.3–.85 6.48N–.04 126.29E–.06 74–8 4.0b 100 0-70
IDC VII 15 19 10 38.5–.93 6.84N 126.87E 0 4.3L,4.1 ¶620928654
DJA VII 15 19 10 45.5–1.3 7N–12 126E–5.0 106–14 4.8b,4.6b
MAN VII 15 19 10 47.6 6.62N 126.41E 28 5.1b,4.1s
NEIC VII 15 19 10 50.8–1.9 6.58N–.06 126.1E–.10 83–8 4.2b,4.1s
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 00 09 35.4–.30 6.44N–.02 126.26E–.03 76–2 5.2b 785 1-178
MAN VII 18 00 09 33.1 6.32N 126.39E 50 5.9b,5.4s ¶620833216
NEIC VII 18 00 09 35.7–1.9 6.46N–.06 126.23E–.07 71–4 5.2b,5.1
GFZ VII 18 00 09 35.3–.39 7N–2.0 126E–3.0 76–3 5.2b,5.1
IDC VII 18 00 09 35.1–.93 6.46N 126.16E 73–7 4.9,4.5b
GCMT VII 18 00 09 36.3–.20 6.37N–.01 126.29E–.01 59–1 5.2W,4.5b
GFZ VII 18 00 09 37.3 6.49N 126.25E 60 5.0W,4.5b
DJA VII 18 00 09 40.7–.40 6N–3.0 126E–2.0 84–8 6.0,5.8b
ISC Event type se.
MAN Event type fe. INTENSITY V - GOVERNOR GENEROSO DAVAO ORIENTAL ; . INTENSITY IV - BANAYBANAY LUPON CITY OF MATI AND SAN ISIDRO DAVAO ORIENTAL ; . INTENSITY III - MANAY AND TARRAGONA DAVAO ORIENTAL; TAMPAKAN AND TUPI SOUTH COTABATO ; . INTENSITY II - MACO AND MARAGUSAN DAVAO DE ORO; CITY OF PANABO AND CITY OF TAGUM DAVAO DEL NORTE; CITY OF DIGOS AND SANTA CRUZ ; DAVAO DEL SUR; CITY OF DAVAO; MALITA AND SANTA MARIA DAVAO OCCIDENTAL; CARAGA DAVAO ORIENTAL; CITY OF KIDAPAWAN AND MAKILALA ; COTABATO; KIAMBA SARANGANI; CITY OF GENERAL SANTOS ; . INTENSITY I - ARAKAN COTABATO.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107180009A. Moment Tensor Solution. s104,c141; s128,c214;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.68±.02 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-0.79±.01; $M_{r\theta}$-0.14±.01; $M_{\theta\phi}$-0.08±.01; $M_{\phi r}$0.49±.01; Best double couple: NP1: ϕ_s199.00000°,δ30.00000°,λ114.00000°. NP2:ϕ_s352.00000°,δ63.00000°,λ77.00000°. Principal axes: T 0.8580,Plg69.0000°,Azm234.0000°; N 0.0830,Plg12.0000°,Azm358.0000° ; P -0.9420,Plg17.0000°,Azm92.0000° $M_0$0.90000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03 $M_{\theta\theta}$2.80 $M_{\phi\phi}$-2.77 $M_{r\theta}$-1.84 $M_{\theta\phi}$-0.51 $M_{\phi r}$2.05 NP1: ϕ_s139.75966°,δ89.99165°,λ-44.18908°. NP2:ϕ_s229.76778°,δ45.81092°,λ-179.98835°. Principal axes: T 4.0027,Plg29.5228°,Azm194.1203°; N -0.1073,Plg45.8109°,Azm319.7511° ; P -3.8954,Plg29.5364°,Azm85.4046° $M_0$3.95017×10^{16}
ISC VII 18 02 32 31.8–1.2 6.26N–.06 126.31E–.07 57–10 3.8s,3.6b 43 1-88
IDC VII 18 02 32 25.9–1.2 5.91N 125.13E 0 3.7b,3.7 ¶620928798
MAN VII 18 02 32 32.6 6.43N 126.29E 47 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=15.7km az=94.0.
MAN Event type fe.
ISC VII 18 03 08 33.6–.46 6.24N–.04 124.55E–.05 418–5 4.4b 264 0-150
IDC VII 18 03 08 33.7–.57 6.21N 124.57E 420–6 4.5,3.6b ¶620833223
NEIC VII 18 03 08 33.9–2.2 6.23N–.08 124.4E–.10 408–6 4.4b,3.6b
MAN VII 18 03 08 33.5 6.31N 124.64E 419 5.3b,4.4s
GFZ VII 18 03 08 34.2–.31 6N–3.0 125E–5.0 418–4 4.7b,4.4
DJA VII 18 03 08 34.3–.60 6N–6.0 125E–3.0 397–4 6.1,6.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC VII 18 03 48 26.3–8.2 7.24N 125.23E 0 3.8b,3.8
¶620928800
IDC Error ellipse: s-maj=144.8km s-min=20.7km az=6.0.
MAN VII 18 04 16 34.8 7.68N 124.83E 2 5.0b,4.0s
¶626333127
MAN Event type fe. INTENSITY III - DON CARLOS KADINGILAN KALILANGAN AND PANGANTUCAN BUKIDNON; . INTENSITY II - DAMULOG AND MARAMAG BUKIDNON.
ISC VII 18 12 09 42.8–.61 6.20N–.04 125.80E–.05 121–5 4.2b 96 0-96
MAN VII 18 12 09 41.6 6.16N 125.82E 123 5.0b,4.0s ¶620928813
IDC VII 18 12 09 42.1–.85 6.19N 125.47E 122–7 4.0,3.7s
NEIC VII 18 12 09 43.1–1.7 6.23N–.04 125.8E–.10 119–4 4.4b,3.7s
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 17 31 14.6–.75 6.47N–.03 126.16E–.04 73–7 4.1b 123 0-86
DJA VII 18 17 31 11.4–.50 7N–3.0 126E–3.0 119–6 4.8b,4.7b ¶620928837
MAN VII 18 17 31 11.5 6.33N 126.37E 50 5.1b,4.2s
IDC VII 18 17 31 15.0–.93 6.41N 126.07E 84–8 4.2,3.7b
NEIC VII 18 17 31 15.5–1.3 6.47N–.09 126.1E–.20 84–8 4.4b,3.7b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 07 28 07.5–.71 7.74N–.03 126.59E–.05 84–6 4.3b 136 0-149
DJA VII 19 07 28 05.1–.80 8N–7.0 127E–4.0 97–9 5.6b,5.0 ¶620833506
MAN VII 19 07 28 07.0 7.73N 126.65E 48 5.1b,4.1s
IDC VII 19 07 28 08.8–1.8 7.61N 126.53E 92–15 4.2,3.8b
NEIC VII 19 07 28 08.2–.74 7.68N–.09 126.49E–.05 100–9 4.4b,3.8b
ISC Event type se.
MAN Event type fe. INTENSITY III - BAGANGA DAVAO ORIENTAL; . INTENSITY II - MONKAYO AND NABUNTURAN DAVAO DE ORO; CITY OF TAGUM DAVAO DEL NORTE;; CATEEL DAVAO ORIENTAL; . INTENSITY I - CITY OF DAVAO.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 22 19 14.0–.95 5.66N–.06 126.56E–.09 95–9 4.3b 114 2-152
NEIC VII 19 22 19 13.6–2.0 5.65N–.07 126.5E–.10 83–3 4.3b ¶620928903
IDC VII 19 22 19 14.9–1.2 5.62N 126.42E 99–9 4.2,3.9b
DJA VII 19 22 19 15.2–.60 6N–5.0 127E–3.0 78–12 5.2b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 20 20 26 46.8–.24 5.55N–.02 126.70E–.03 96–1 5.2b 1448 1-177
MOS VII 20 20 26 42.0–.92 5.63N 126.66E 84 5.5b ¶620838898
BJI VII 20 20 26 44.6 5.60N 126.80E 89 5.1b,5.0b
MAN VII 20 20 26 45.2 5.51N 126.84E 57 5.9b,5.3s
NEIC VII 20 20 26 46.7 5.60N 126.76E 94 5.9b,5.3s
GFZ VII 20 20 26 46.4 5.55N 126.76E 91 5.2W,5.3s
GFZ VII 20 20 26 46.4–.11 6N–2.0 127E–3.0 90 5.3b,5.2
NEIC VII 20 20 26 46.1–1.6 5.61N–.05 126.74E–.07 88–4 5.1b,5.2
IDC VII 20 20 26 47.6–.85 5.60N 126.65E 98–7 5.1,4.7b
NEIC VII 20 20 26 47.2 5.70N 127.06E 90 5.2,4.7b
DJA VII 20 20 26 47.0–.20 6N–2.0 127E–1.0 95–2 5.7,5.7b
GCMT VII 20 20 26 48.0–.10 5.58N–.01 126.75E–.01 95–1 5.2W,5.7b
ISC Event type se.
MAN Event type fe. INTENSITY I - CITY OF GENERAL SANTOS.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.98 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-6.15 $M_{r\theta}$-1.90 $M_{\theta\phi}$-1.82 $M_{\phi r}$3.28 NP1: ϕ_s218.22429°,δ37.99445°,λ131.94114°. NP2:ϕ_s349.47671°,δ62.74885°,λ62.43179°. Principal axes: T 6.8290,Plg61.7667°,Azm215.7062°; N 0.4104,Plg24.2951°,Azm2.9213° ; P -7.2393,Plg13.5015°,Azm99.1437° $M_0$7.04311×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}7.08 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-6.70 $M_{r\theta}$-1.96 $M_{\theta\phi}$3.35 $M_{\phi r}$0.64 NP1:ϕ_s169.95000°,δ41.47000° ,λ110.17000°. NP2:ϕ_s323.84000°,δ51.56000°,λ73.06000°. Principal axes: T 7.5694,Plg76.0000°,Azm177.0000°; N 0.7018,Plg13.0000°,Azm335.0000° ; P -8.2713,Plg5.0000°,Azm66.0000° $M_0$7.94000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107202026A. Moment Tensor Solution. s116,c169; s151,c273;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.87±.11 $M_{\theta\theta}$1.58±.11; $M_{\phi\phi}$-6.45±.11; $M_{r\theta}$-3.28±.07; $M_{\theta\phi}$-0.10±.11; $M_{\phi r}$3.93±.09; Best double couple: NP1: ϕ_s207.00000°,δ34.00000°,λ137.00000°. NP2:ϕ_s335.00000°,δ68.00000°,λ64.00000°. Principal axes: T 7.7370,Plg59.0000°,Azm208.0000°; N 0.0340,Plg24.0000°,Azm345.0000° ; P -7.7710,Plg19.0000°,Azm84.0000° $M_0$7.75400×10^{16}
IDC VII 21 06 41 26.6–7.2 5.75N 124.88E 535–87 3.9,2.9b
¶620961635
IDC Error ellipse: s-maj=201.5km s-min=18.7km az=63.0.
IDC VII 22 16 02 32.1–1.1 8.54N 126.17E 0 3.7b,3.7
¶620967838
IDC Error ellipse: s-maj=76.8km s-min=20.3km az=77.0.
DJA VII 23 03 58 37.2–1.2 5N–11 126E–3.0 105–11 4.9b,4.6b
¶626066999
IDC VII 23 18 24 07.6–2.7 8.60N 125.20E 0 3.3b,3.3
¶620967934
IDC Error ellipse: s-maj=212.1km s-min=30.2km az=65.0.
ISC VII 31 19 49 55.0–.92 10.0N–.20 126.0E–.40 54 3.6b 8 17-86
IDC VII 31 19 49 47.8–.93 10.06N 126.13E 0 3.6b,3.6 ¶620986147
ISC Event type se.
IDC Error ellipse: s-maj=64.4km s-min=18.3km az=73.0.
ISC VII 25 22 27 31.1–.64 6.50N–.07 126.45E–.09 68 4.5b 27 1-70
NEIC VII 25 22 27 31.9–2.0 6.50N–.09 126.4E–.10 73–9 4.9b ¶620973799
IDC VII 25 22 27 32.0–2.6 6.57N 126.47E 72–22 3.9,3.8s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=9.2km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=68.3km s-min=18.6km az=56.0.
ISC VII 27 21 47 08.7–1.6 6.8N–.20 126.3E–.30 150 3.5b 8 1-59
IDC VII 27 21 47 07.8–1.7 6.75N 126.45E 139–9 3.6,3.2b ¶620978988
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=17.4km az=69.0.
ISC VIII 04 16 56 46.0–.44 5.07N–.03 125.30E–.04 52–4 4.8b,3.5s 359 1-146
BJI VIII 04 16 56 41.6 4.56N 125.61E 67 5.0b,4.6b ¶620968080
MAN VIII 04 16 56 43.8 5.02N 125.41E 28 5.5b,4.8s
NEIC VIII 04 16 56 45.3–2.2 5.05N–.06 125.28E–.07 39–5 4.9b,4.8s
DJA VIII 04 16 56 47.5–.40 5N–3.0 125E–3.0 49–4 5.3,5.1b
IDC VIII 04 16 56 47.8–1.5 5.01N 125.31E 75–12 4.3,4.0b
GFZ VIII 04 16 56 48.2–.21 5N–3.0 125E–4.0 76 4.9b,4.8
ISC Event type se.
MAN Event type fe. INTENSITY III - SARANGANI DAVAO OCCIDENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC VIII 01 21 03 44.1–5.1 6.42N 126.62E 158–35 3.2,2.8b
¶620986236
IDC Error ellipse: s-maj=177.9km s-min=18.9km az=65.0.
ISC VIII 03 02 40 52.1–.44 6.01N–.06 126.47E–.09 100 4.3b 84 1-142
DJA VIII 03 02 40 51.0–.80 6N–7.0 127E–4.0 106–13 5.1b,4.9b ¶620995834
NEIC VIII 03 02 40 52.8–1.1 6.00N–.08 126.4E–.10 100–6 4.7b,4.9b
IDC VIII 03 02 40 52.6–1.2 6.00N 126.44E 105–9 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=9.5km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.2km s-min=9.7km az=67.0.
ISC VIII 10 09 48 07.6–.46 6.61N–.06 126.95E–.07 74 4.3b 66 1-97
NEIC VIII 10 09 48 07.5–1.2 6.69N–.09 126.91E–.09 64–4 4.5b ¶621008109
IDC VIII 10 09 48 08.6–1.6 6.76N 126.98E 75–15 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=9.7km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.4km s-min=11.6km az=62.0.
IDC VIII 09 21 44 31.2–2.2 5.04N 126.05E 0 3.5b,3.5
¶621007289
IDC Error ellipse: s-maj=123.2km s-min=28.1km az=69.0.
IDC VIII 10 17 24 27.8–1.9 5.70N 126.97E 0 3.4b,3.4
¶621008128
IDC Error ellipse: s-maj=178.3km s-min=23.3km az=67.0.
ISC VIII 11 01 48 52.7–.82 6.66N–.04 126.93E–.06 61–7 4.3b 114 1-120
MAN VIII 11 01 48 49.8 6.84N 127.05E 12 5.0b,4.0s ¶621009311
NEIC VIII 11 01 48 53.4–1.9 6.72N–.09 126.87E–.08 63–8 4.4b,4.0s
IDC VIII 11 01 48 54.1–1.9 6.73N 126.83E 74–17 4.1,3.8b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.3km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.8km s-min=12.2km az=69.0.
ISC VIII 11 17 46 13.8–.18 6.42N–.02 126.70E–.02 59–1 6.8s,6.3b 2590 1-178
BJI VIII 11 17 46 09.7 6.45N 126.85E 40 6.8s,6.8 ¶620983080
MOS VIII 11 17 46 11.5–1.0 6.54N 126.68E 54 6.8s,6.4b
IDC VIII 11 17 46 12.7–.78 6.44N 126.61E 51–5 6.6s,5.4
MAN VIII 11 17 46 12.5 6.30N 126.87E 59 7.1s,6.9b
NEIC VIII 11 17 46 13.1–2.6 6.48N–.05 126.72E–.07 55–3 6.4b,6.9b
NEIC VIII 11 17 46 13.4 6.48N 126.71E 57 6.4b,6.9b
IPGP VIII 11 17 46 14.0 6.46N 126.74E 44 7.2W,6.9b
GFZ VIII 11 17 46 14.1 6.50N 126.71E 42 7.1W,6.9b
GFZ VIII 11 17 46 14.1–.13 7N–1.0 127E–2.0 63–1 7.0b,7.0
PTWC VIII 11 17 46 15 6.50N 126.80E 36 7.3,7.0
DJA VIII 11 17 46 16.6–.20 6N–2.0 127E–1.0 81–2 7.2,7.2W
GCMT VIII 11 17 46 29.1–.10 6.09N 127.00E 45–0 7.1W,7.2W
NEIC VIII 11 17 46 39 6.18N 127.01E 50 7.1,7.2W
ISC Event type se.
MOS Error ellipse: s-maj=6.2km s-min=3.5km az=114.7. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s166.00000°,δ51.00000°,λ53.00000°. NP2: ϕ_s36.00000°,δ51.00000°,λ127.00000°. Principal axes: T Plg62.0000°,Azm11.0000° ; N Plg28.0000°,Azm191.0000°; P Plg0.0000°,Azm101.0000°
IDC Error ellipse: s-maj=9.6km s-min=5.2km az=77.0.
MAN Event type fe. INTENSITY V - CITY OF MATI BAGANGA GOVERNOR GENEROSO AND LUPON DAVAO ORIENTAL; CITY OF PANABO CITY OF TAGUM AND CARMEN DAVAO DEL NORTE; NABUNTURAN; DAVAO DE ORO; CITY OF GENERAL SANTOS; ALABEL AND MALUNGON SARANGANI; SARANGANI DAVAO OCCIDENTAL; . INTENSITY IV - CITY OF DAVAO; KIBLAWAN DAVAO DEL SUR; CITY OF KORONADAL BANGA POLOMOLOK TAMPAKAN AND TUPI SOUTH COTABATO; GLAN MALAPATAN AND ; KIAMBA SARANGANI; MONKAYO DAVAO DE ORO; . INTENSITY III - CITY OF KIDAPAWAN AND KABACAN COTABATO; CITY OF BAYUGAN AGUSAN DEL SUR; MAASIM SARANGANI; NORALA SURALLAH SANTO NINO AND T"BOLI SOUTH ; COTABATO; . INTENSITY II - CITY OF CAGAYAN DE ORO; CITY OF TACURONG AND PRESIDENT QUIRINO SULTAN KUDARAT; CITY OF BISLIG AND HINATUAN SURIGAO DEL SUR; TALAKAG BUKIDNON; ; ALAMEDA ANTIPAS ARAKAN BANISILAN MAGPET AND PRESIDENT ROXAS COTABATO; . INTENSITY I - MAMBAJAO CAMIGUIN.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.8km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s173.00000°,δ50.00000°,λ56.00000°. NP2:ϕ_s40.00000° ,δ50.00000°,λ124.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}4.13 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-4.78 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.86 $M_{\phi r}$-1.58 NP1:

ϕ_s175.88846°,δ55.39992°,λ73.86328°. NP2:ϕ_p22.88831°,δ37.74855°,λ111.94360°. Principal axes: T 4.5861,Plg73.8713°,Azm40.8609°; N 0.5555,Plg13.2249°,Azm185.2185° ; P -5.1416,Plg9.0668°,Azm277.3677° $M_0$4.88759×10^{19}

GFZ Error ellipse: s-maj=3.4km s-min=2.7km az=77.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108111746A. Moment Tensor Solution. s171,c448; s176,c849;Duration: 8s6 Moment tensor: Scale 10^{19}Nm; M_{rr}4.56±.02 $M_{\theta\theta}$0.91±.01; $M_{\phi\phi}$-5.47±.01; $M_{r\theta}$1.84±.03; $M_{\theta\phi}$-1.01±.01; $M_{\phi r}$-0.63±.03; Best double couple: NP1:ϕ_s31.00000°,δ48.00000°,λ123.00000°. NP2:ϕ_s167.00000°,δ52.00000°,λ59.00000°. Principal axes: T 5.4150,Plg66.0000°,Azm13.0000°; N 0.2270,Plg24.0000°,Azm187.0000° ; P -5.6380,Plg2.0000°,Azm278.0000° $M_0$5.52700×10^{19}

NEIC Event type se. Moment Tensor Solution.Duration: 18s5 Moment tensor: Scale 10^{19}Nm; M_{rr}4.36 $M_{\theta\theta}$0.66 $M_{\phi\phi}$-5.02 $M_{r\theta}$3.06 $M_{\theta\phi}$-0.52 $M_{\phi r}$-0.56 NP1:ϕ_s31.11000°,δ50.25000° ,λ130.04000°. NP2:ϕ_s158.39000°,δ53.94000°,λ52.28000°. Principal axes: T 6.1300,Plg60.0000°,Azm8.0000°; N -1.0536,Plg30.0000°,Azm183.0000° ; P -5.0764,Plg2.0000°,Azm274.0000° $M_0$5.68000×10^{19}

ISC	**VIII**	**11 01 12 14.1–.94**	**6.9N–.10**	**126.7E–.10**	**100**	**3.7b**	**12**	**1-88**	
IDC	VIII	11 01 12 15.6–1.6	6.85N	126.56E	118–14	3.7,3.3b			**¶621009309**
ISC	Event type se.								
IDC	Error ellipse: s-maj=37.3km s-min=17.1km az=71.0.								
IDC	**VIII**	**12 00 32 14.8–2.2**	**6.05N**	**126.48E**	**0**	**3.7b,3.7**			**¶621009370**
IDC	Error ellipse: s-maj=207.6km s-min=21.9km az=67.0.								
ISC	**VIII**	**11 18 23 45.7–.86**	**6.04N–.07**	**127.0E–.10**	**83**	**4.1b**	**24**	**2-90**	
IDC	VIII	11 18 23 41.7–3.0	6.13N	127.28E	46–28	3.9,3.6b			**¶621009347**
DJA	VIII	11 18 23 46.0–1.5	6N–10	127E–8.0	85–35	4.6,4.5			
ISC	Event type se.								
ISC	**VIII**	**11 19 25 24.3–.80**	**6.85N–.08**	**126.1E–.10**	**53**	**4.1b**	**47**	**1-59**	
IDC	VIII	11 19 25 16.6–.97	7.14N	126.63E	0	4.2L,4.1			**¶621009352**
NEIC	VIII	11 19 25 24.6–1.4	6.80N–.04	125.9E–.10	48–10	4.3b,4.1			
DJA	VIII	11 19 25 24.8–3.3	7N–29	126E–8.0	45–52	4.5b,4.4			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**11 20 53 17.2–.80**	**5.98N–.04**	**126.84E–.05**	**72–7**	**4.3b**	**170**	**1-122**	
MAN	VIII	11 20 53 15.4	6.03N	126.90E	51	5.2b,4.3s			**¶621009361**
DJA	VIII	11 20 53 16.0–.60	6N–4.0	127E–5.0	10	5.4b,4.8b			
NEIC	VIII	11 20 53 16.6–.91	6.13N–.08	127.00E–.09	67–7	4.3b,4.8b			
IDC	VIII	11 20 53 16.8–1.7	6.12N	126.96E	72–14	4.3,4.0b			
ISC	Event type se.								
MAN	Event type fe.								
NEIC	Event type se. Error ellipse: s-maj=16.0km s-min=7.4km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=32.3km s-min=8.5km az=58.0.								
ISC	**VIII**	**12 01 52 47.4–.61**	**5.95N–.09**	**126.8E–.10**	**83**	**4.1b**	**40**	**2-97**	
NEIC	VIII	12 01 52 46.9–1.1	6.0N–.10	126.9E–.10	73–7	4.4b			**¶621009373**
IDC	VIII	12 01 52 47.1–3.2	6.02N	127.00E	82–27	3.9,3.6b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=20.7km s-min=12.4km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=57.0km s-min=13.7km az=64.0.								
ISC	**VIII**	**11 19 28 32.4–.34**	**6.02N–.03**	**126.87E–.04**	**62–2**	**4.9b**	**559**	**1-169**	
NEIC	VIII	11 19 28 31.2–2.5	6.20N–.08	127.00E–.08	50–1	4.9b			**¶620983146**
MAN	VIII	11 19 28 31.8	5.99N	126.88E	62	5.7b,5.0s			
BJI	VIII	11 19 28 31.8	6.20N	126.90E	60	5.1s,5.0			
GFZ	VIII	11 19 28 32.8–.16	6N–3.0	127E–4.0	64	5.4,5.0b			
IDC	VIII	11 19 28 32.6–1.2	6.28N	127.11E	68–10	4.5,4.4s			
DJA	VIII	11 19 28 33.6–.40	6N–3.0	127E–2.0	55–5	5.7b,5.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
MAN	Event type fe.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
ISC	**VIII**	**14 10 30 40.1–.33**	**9.91N–.03**	**126.07E–.04**	**52–2**	**4.8b,4.4s**	**437**	**0-171**	
BJI	VIII	14 10 30 36.9	9.53N	126.00E	65	5.2b,5.0b			**¶620986699**
GFZ	VIII	14 10 30 39.6–.18	10N–2.0	126E–4.0	45	5.0b,5.0			
NEIC	VIII	14 10 30 42.0–.84	9.84N–.07	125.9E–.10	68–7	4.9b,5.0			
DJA	VIII	14 10 30 41.9–.90	10N–5.0	126E–5.0	74–7	5.5,5.4b			
MAN	VIII	14 10 30 41.2	9.86N	126.04E	28	5.6b,5.0s			
IDC	VIII	14 10 30 42.0–2.0	9.85N	125.87E	71–18	4.7,4.4b			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=14.7km s-min=10.6km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
MAN	Event type fe. INTENSITY III - BURGOS GENERAL LUNA SOCORRO DEL CARMEN AND SANTA MONICA SURIGAO DEL NORTE; . INTENSITY II - CITY OF SURIGAO AND DAPA SURIGAO DEL NORTE; LIBJO DINAGAT ISLANDS; . INTENSITY I - CITY OF BAYUGAN AGUSAN DEL SUR.								
IDC	Error ellipse: s-maj=19.0km s-min=8.5km az=77.0.								
ISC	**VIII**	**13 05 38 02.1–.62**	**6.13N–.07**	**126.9E–.10**	**83**	**4.2b**	**41**	**2-97**	
NEIC	VIII	13 05 37 59.9–1.4	6.20N–.10	127.12E–.09	61–7	4.5b			**¶621012044**
IDC	VIII	13 05 38 03.1–2.3	6.12N	126.81E	88–20	3.9,3.6b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=17.5km s-min=8.3km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=58.2km s-min=13.6km az=59.0.								
ISC	**VIII**	**13 06 26 19.9–.72**	**6.33N–.08**	**126.3E–.10**	**100**	**4.3b**	**20**	**6-79**	
IDC	VIII	13 06 25 58.9–2.5	5.19N	127.54E	0	3.9b,3.9			**¶621012058**
NEIC	VIII	13 06 26 15.8–1.4	6.53N–.04	126.5E–.10	39–10	4.5b,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**12 21 14 21.7–.39**	**5.19N–.04**	**124.85E–.07**	**35**	**4.6b**	**99**	**2-171**	
IDC	VIII	12 21 14 18.5–1.2	5.25N	124.97E	0	3.9b,3.9			**¶621009538**
NEIC	VIII	12 21 14 20.0–1.8	5.25N–.05	124.81E–.07	18–4	4.7b,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	**VIII**	**13 03 56 34.8–1.4**	**5.45N**	**126.56E**	**0**	**4.1L,4.0**			**¶621012007**
IDC	Error ellipse: s-maj=100.9km s-min=14.9km az=60.0.								
ISC	**VIII**	**13 06 55 51.8–.75**	**5.92N–.09**	**126.7E–.10**	**100**	**4.2b**	**33**	**2-72**	
IDC	VIII	13 06 55 42.6–1.1	5.28N	125.19E	0	3.8b,3.8			**¶621012066**
NEIC	VIII	13 06 55 51.4–1.6	5.92N–.08	126.7E–.10	93–9	4.5b,3.8			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**14 15 58 42.2–2.5**	**5.69N–.05**	**126.24E–.05**	**14–15**	**3.4b**	**53**	**1-56**	
IDC	VIII	14 15 58 40.2–1.7	5.70N	126.39E	0	3.6b,3.6			**¶621013520**
MAN	VIII	14 15 58 45.8	5.92N	126.22E	22	5.0b,4.0s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=99.4km s-min=15.1km az=62.0.								
MAN	Event type fe.								
ISC	**VIII**	**14 16 34 49.8–1.2**	**6.45N–.03**	**126.35E–.04**	**30–12**	**3.9b**	**91**	**0-59**	
DJA	VIII	14 16 34 42.6–1.1	7N–9.0	126E–5.0	10	5.0b,4.8b			**¶621013522**
IDC	VIII	14 16 34 50.5–2.4	6.63N	126.51E	77–19	4.0,4.0s			
MAN	VIII	14 16 34 50.5	6.51N	126.38E	31	5.0b,4.0s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=50.7km s-min=13.2km az=61.0.								
MAN	Event type fe.								
MAN	**VIII**	**14 17 02 37.7**	**8.97N**	**126.15E**	**33**	**4.7b,3.6L**			**¶626362504**
MAN	Event type fe.								
IDC	**VIII**	**15 02 34 30.8–1.6**	**9.71N**	**125.93E**	**0**	**3.8b,3.8**			**¶621023526**
IDC	Error ellipse: s-maj=181.1km s-min=21.7km az=68.0.								
IDC	**VIII**	**15 03 26 39.2–2.0**	**5.88N**	**126.48E**	**0**	**3.4b,3.4**			**¶621023528**
IDC	Error ellipse: s-maj=159.7km s-min=21.7km az=63.0.								
ISC	**VIII**	**15 08 06 31.6–.86**	**5.98N–.04**	**126.87E–.05**	**69–8**	**4.4b**	**164**	**1-122**	
MAN	VIII	15 08 06 28.4	6.00N	127.10E	29	5.3b,4.5s			**¶621023570**
DJA	VIII	15 08 06 29.7–.90	6N–7.0	127E–4.0	117–14	4.9b,4.7b			
NEIC	VIII	15 08 06 30.9–.90	6.13N–.07	127.02E–.04	62–7	4.6b,4.7b			
IDC	VIII	15 08 06 32.5–1.8	6.06N	126.87E	76–15	4.1,3.8b			
ISC	Event type se.								
MAN	Event type fe.								
NEIC	Event type se. Error ellipse: s-maj=10.1km s-min=6.3km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=30.8km s-min=11.3km az=60.0.								
ISC	**VIII**	**17 18 33 39.9–1.9**	**5.99N–.05**	**126.97E–.06**	**8–10**	**3.8b**	**46**	**1-88**	
IDC	VIII	17 18 33 40.1–.95	5.46N	125.10E	0	3.6b,3.6			**¶621030288**
MAN	VIII	17 18 33 46.7	6.03N	126.79E	15	5.1b,4.1s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=35.3km s-min=16.7km az=87.0.								
MAN	Event type fe.								
ISC	**VIII**	**16 08 04 58.0–.73**	**6.03N–.04**	**126.90E–.05**	**72–6**	**4.5b**	**238**	**1-169**	
MAN	VIII	16 08 04 55.4	5.92N	126.98E	38	5.3b,4.4s			**¶620987307**
DJA	VIII	16 08 04 57.4–.40	6N–3.0	127E–2.0	101–5	5.1b,5.0			
NEIC	VIII	16 08 04 58.5–1.7	6.06N–.06	126.9E–.10	69–4	4.6b,5.0			
IDC	VIII	16 08 04 59.2–1.2	6.13N	126.96E	84–9	4.4,4.1b			
ISC	Event type se.								
MAN	Event type fe.								
NEIC	Event type se. Error ellipse: s-maj=14.9km s-min=8.2km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=15.7km s-min=8.6km az=61.0.								
ISC	**VIII**	**17 14 17 03.7–.73**	**9.08N–.07**	**127.0E–.10**	**38**	**3.6b**	**22**	**2-85**	
IDC	VIII	17 14 16 58.1–1.5	9.15N	127.07E	0	4.0L,3.6			**¶621030275**
NEIC	VIII	17 14 17 00.7–1.5	9.08N–.05	127.0E–.10	10–1	4.2b,3.6			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
MAN	**VIII**	**17 18 59 37.3**	**8.49N**	**125.66E**	**48**	**5.2b,4.2s**			**¶626362506**
MAN	Event type fe.								
IDC	**VIII**	**19 22 22 56.1–2.8**	**8.96N**	**126.21E**	**0**	**3.5b,3.5**			**¶621039222**
IDC	Error ellipse: s-maj=213.2km s-min=29.0km az=65.0.								
ISC	**VIII**	**20 13 54 36.6–1.7**	**5.9N–.50**	**126E–1.0**	**100**	**3.6b**	**6**	**27-65**	
IDC	VIII	20 13 54 24.8–1.7	5.98N	126.26E	0	3.6b,3.6			**¶621041285**
ISC	Event type se.								
IDC	Error ellipse: s-maj=172.0km s-min=20.5km az=68.0.								
ISC	**VIII**	**20 00 20 24.9–.68**	**5.38N–.05**	**126.61E–.08**	**10**	**4.0b**	**45**	**1-122**	
IDC	VIII	20 00 20 23.1–.86	5.31N	126.44E	0	4.3L,4.1b			**¶621041230**
NEIC	VIII	20 00 20 26.9–.95	5.32N–.07	126.49E–.06	22–8	4.1b,4.1b			
DJA	VIII	20 00 20 31.2–1.4	5N–4.0	127E–5.0	16–14	4.8b,4.5b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**21 04 45 24.9–.49**	**5.25N–.05**	**125.72E–.08**	**150**	**4.2b**	**64**	**2-121**	
NEIC	VIII	21 04 45 25.9–1.7	5.28N–.07	125.7E–.10	161–10	4.2b			**¶621042970**
DJA	VIII	21 04 45 25.6–1.3	5N–6.0	126E–15	160–16	4.1,4.1			
IDC	VIII	21 04 45 25.9–.85	5.31N	125.67E	166–9	4.3,3.7b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=19.0km s-min=4.4km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=30.2km s-min=9.8km az=70.0.								
ISC	**VIII**	**21 16 33 29.1–1.1**	**5.88N–.05**	**126.75E–.06**	**53–14**	**3.4b**	**57**	**1-60**	
IDC	VIII	21 16 33 29.9–3.5	6.26N	126.96E	52–30	3.6,3.5L			**¶621043006**
MAN	VIII	21 16 33 27.4	6.02N	126.95E	47	5.1b,4.1s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=61.2km s-min=13.9km az=51.0.								
MAN	Event type fe.								
ISC	**VIII**	**21 23 22 02.1–1.1**	**5.91N–.09**	**124.9E–.10**	**100**	**3.4b**	**9**	**1-120**	
IDC	VIII	21 23 22 04.6–2.1	6.21N	125.13E	133–30	3.7,3.2b			**¶621043030**
ISC	Event type se.								
IDC	Error ellipse: s-maj=94.1km s-min=17.8km az=69.0.								
IDC	**VIII**	**24 21 27 41.2–11**	**8.52N**	**126.73E**	**401–135**	**4.2,3.4b**			**¶621049350**
IDC	Error ellipse: s-maj=34.8km s-min=21.2km az=61.0.								
ISC	**VIII**	**21 18 29 09.4–1.7**	**5.20N–.08**	**124.9E–.20**	**35**	**3.4b**	**7**	**2-40**	
IDC	VIII	21 18 29 04.3–2.0	5.16N	124.80E	0	3.9L,3.7			**¶621043011**
ISC	Event type se.								
IDC	Error ellipse: s-maj=40.7km s-min=15.8km az=89.0.								
ISC	**VIII**	**22 23 58 20.6–1.0**	**5.67N–.03**	**126.88E–.04**	**19–3**	**4.2b**	**86**	**1-122**	
MAN	VIII	22 23 58 16.3	5.20N	126.96E	1	5.1b,4.1s			**¶621043148**
IDC	VIII	22 23 58 17.7–.68	5.98N	127.63E	0	4.3L,4.0b			
NEIC	VIII	22 23 58 19.5–1.6	5.9N–.10	127.4E–.20	10–1	4.4b,4.0b			
DJA	VIII	22 23 58 24.9–.60	6N–5.0	127E–4.0	92–16	5.6b,5.1			
ISC	Event type se.								
MAN	Event type fe.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	**VIII**	**23 01 37 11.2–2.3**	**5.20N**	**126.16E**	**0**	**3.7b,3.7**			**¶621049181**
IDC	Error ellipse: s-maj=240.2km s-min=26.8km az=64.0.								
IDC	**VIII**	**24 14 26 31.5–2.3**	**5.92N**	**126.63E**	**0**	**3.5b,3.5**			**¶621049337**
IDC	Error ellipse: s-maj=225.7km s-min=22.7km az=67.0.								
IDC	**VIII**	**27 02 35 18.7–1.3**	**8.10N**	**126.96E**	**0**	**3.5b,3.5**			**¶621072119**
IDC	Error ellipse: s-maj=25.6km s-min=18.2km az=120.0.								
ISC	**VIII**	**26 09 23 14.0–.57**	**5.11N–.04**	**125.41E–.05**	**192–5**	**4.4b**	**202**	**1-122**	
MAN	VIII	26 09 23 13.8	5.17N	125.36E	187	5.2b,4.3s			**¶621007953**
NEIC	VIII	26 09 23 14.4–2.0	5.20N–.07	125.41E–.09	189–8	4.7b,4.3s			
GFZ	VIII	26 09 23 14.7–.37	5N–3.0	125E–3.0	191–3	4.4b,4.4			
IDC	VIII	26 09 23 14.4–.71	5.20N	125.39E	198–7	4.3,3.7b			
DJA	VIII	26 09 23 15.6–.40	5N–3.0	125E–3.0	159–6	5.0b,4.8			
ISC	Event type se.								
MAN	Event type fe.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
ISC	**VIII**	**26 19 58 13.5–1.3**	**5.1N–.30**	**126.5E–.40**	**100**	**3.3b**	**7**	**8-60**	
IDC	VIII	26 19 58 02.4–1.3	5.07N	125.92E	0	3.5,3.4L			**¶621059017**
ISC	Event type se.								
IDC	Error ellipse: s-maj=69.0km s-min=19.8km az=62.0.								
ISC	**VIII**	**25 12 03 11.5–1.2**	**7.19N–.02**	**122.87E–.03**	**4–7**	**4.8b,3.9s**	**402**	**1-145**	
IDC	VIII	25 12 03 10.1–.44	7.10N	122.91E	0	4.5L,4.5b			**¶621007296**
MAN	VIII	25 12 03 12.3	7.22N	122.84E	18	5.7b,5.0s			
NEIC	VIII	25 12 03 12.7–1.8	7.12N–.07	122.90E–.06	10–1	4.8b,5.0s			
GFZ	VIII	25 12 03 14.6–.19	7N–2.0	123E–3.0	10	4.9b,4.8			
GCMT	VIII	25 12 03 15.1–.20	7.22N–.01	122.84E–.01	21–1	4.9W,4.8			
BJI	VIII	25 12 03 15.1	7.25N	123.16E	27	5.0b,4.7b			
DJA	VIII	25 12 03 19.0–.50	7N–4.0	123E–3.0	59–6	5.7b,5.3			
ISC	Event type se.								

MAN Event type fe. INTENSITY V - MABUHAY AND OLUTANGA ZAMBOANGA SIBUGAY ; . INTENSITY IV - MARGOSATUBIG ZAMBOANGA DEL SUR; CITY OF ZAMBOANGA; DIPLAHAN AND IPIL ZAMBOANGA SIBUGAY; CITY OF ISABELA BASILAN; . INTENSITY III - BACUNGAN GUTALAC LILOY SALUG SIAYAN SINDANGAN SIOCON AND TAMPILISAN ZAMBOANGA DEL NORTE; CITY OF PAGADIAN ; ZAMBOANGA DEL SUR; ALICIA ZAMBOANGA SIBUGAY ; . INTENSITY II - CITY OF DIPOLOG MANUKAN AND POLANCO ZAMBOANGA DEL NORTE; MOLAVE RAMON MAGSAYSAY AND VINCENZO A. SAGUN ; ZAMBOANGA DEL SUR; TITAY ZAMBOANGA SIBUGAY ; . INTENSITY I - CITY OF DAPITAN ZAMBOANGA DEL NORTE; TAMBULIG ZAMBOANGA DEL SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108251203A. Moment Tensor Solution. s36,c43; s105,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.15±.09 $M_{\theta\theta}$-0.78±.07; $M_{\phi\phi}$0.63±.09; $M_{r\theta}$0.73±.14; $M_{\theta\phi}$2.33±.06; $M_{\phi r}$-1.99±.21; Best double couple: NP1:ϕ_s260.00000°,δ49.00000° ,λ-1.00000°. NP2:ϕ_s350.00000°,δ90.00000°,λ-139.00000°. Principal axes: T 2.9640,Plg27.0000°,Azm117.0000°; N 0.4820,Plg49.0000°,Azm350.0000° ; P -3.4450,Plg28.0000°,Azm223.0000° $M_0$3.20500×10^{16}

ISC	**VIII**	**25 08 33 34.8–1.3**	**5.5N–.10**	**126.5E–.10**	**50**	**4.0b**	**14**	**2-93**
DJA	VIII	25 08 33 22.0–1.3	6N–7.0	127E–6.0	20–12	4.3b,4.3		**¶621058917**
IDC	VIII	25 08 33 28.5–1.7	5.60N	126.64E	0	3.9b,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=162.4km s-min=20.0km az=67.0.							
ISC	**VIII**	**27 07 15 20.1–1.2**	**5.74N–.09**	**126.8E–.10**	**50**	**3.4b**	**25**	**2-60**
IDC	VIII	27 07 15 13.9–2.3	5.49N	126.21E	0	3.6b,3.6		**¶621072127**
DJA	VIII	27 07 15 18.3–1.3	6N–5.0	127E–5.0	13–11	5.1b,4.6b		
ISC	Event type se.							
ISC	**VIII**	**26 20 39 42.3–.72**	**5.51N–.04**	**126.50E–.05**	**101–6**	**4.3b**	**165**	**1-122**
MAN	VIII	26 20 39 40.1	5.47N	126.59E	70	5.5b,4.7s		**¶621059024**
NEIC	VIII	26 20 39 42.7–1.8	5.55N–.04	126.50E–.10	101–7	4.5b,4.7s		
IDC	VIII	26 20 39 43.7–.88	5.57N	126.49E	112–7	4.5s,4.3		
DJA	VIII	26 20 39 44.6–1.8	5N–17	127E–4.0	73–26	5.1b,5.1b		
ISC	Event type se.							
MAN	Event type fe.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**27 11 07 01.1–.37**	**5.61N–.04**	**125.25E–.06**	**50**	**4.4b**	**168**	**1-122**
BJI	VIII	27 11 06 59.4	5.60N	125.68E	62	4.8b		**¶621008940**
GFZ	VIII	27 11 07 01.9–.34	6N–3.0	125E–3.0	55–4	4.7b,4.6		
DJA	VIII	27 11 07 02.2–1.3	6N–2.0	125E–2.0	30–13	5.6b,5.2		
NEIC	VIII	27 11 07 03.1–1.1	5.65N–.06	125.27E–.09	65–7	4.5b,5.2		
IDC	VIII	27 11 07 03.8–1.4	5.62N	125.40E	82–12	4.2,3.9b		
ISC	Event type se.							
GFZ	Error ellipse: s-maj=6.5km s-min=5.6km az=88.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC	Event type se. Error ellipse: s-maj=13.4km s-min=8.7km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=25.2km s-min=9.4km az=74.0.							
DJA	**VIII**	**27 14 49 49.8–.50**	**6N–4.0**	**125E–5.0**	**10**	**5.0b,4.3**		**¶626189457**
ISC	**VIII**	**27 11 36 26.1–.90**	**5.55N–.04**	**125.19E–.04**	**46–9**	**4.3b**	**109**	**1-85**
DJA	VIII	27 11 36 25.3–.40	6N–4.0	125E–4.0	10	5.0b,4.5b		**¶621072147**
NEIC	VIII	27 11 36 27.1–.82	5.55N–.05	125.21E–.10	56–7	4.3b,4.5b		
IDC	VIII	27 11 36 28.7–1.9	5.62N	125.36E	73–15	4.0,3.7b		
MAN	VIII	27 11 36 28.0	5.84N	125.35E	18	5.0b,4.0s		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=14.5km s-min=6.5km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=41.6km s-min=12.2km az=81.0.							
MAN	Event type fe.							
ISC	**VIII**	**27 10 22 26.3–.20**	**5.68N–.02**	**125.26E–.03**	**51–1**	**5.8b,5.2s**	**1607**	**1-178**
MAN	VIII	27 10 22 21.0	5.29N	125.28E	47	6.1b,5.7s		**¶621008935**
BJI	VIII	27 10 22 22.4	5.45N	125.66E	50	5.7b,5.5s		
MOS	VIII	27 10 22 24.2–1.1	5.72N	125.08E	49	5.8b,5.2s		
NEIC	VIII	27 10 22 25.2	5.69N	125.26E	29	5.8b,5.2s		
NEIC	VIII	27 10 22 25	5.70N	125.21E	29	5.8b,5.2s		
DJA	VIII	27 10 22 25.9–.40	6N–2.0	125E–1.0	32–4	6.4,6.2b		
ISC-P	VIII	27 10 22 26	5.67N	125.03E	25–0	6.0,6.2b		
IDC	VIII	27 10 22 26.9–.96	5.68N	125.05E	55–7	5.3,5.1s		
NEIC	VIII	27 10 22 26.1–.95	5.67N–.04	125.03E–.07	54–5	5.9b,5.6		
GFZ	VIII	27 10 22 26.2	5.77N	125.33E	36	5.6W,5.6		
GCMT	VIII	27 10 22 27.6–.10	5.72N–.01	125.19E–.01	37–0	5.7W,5.6		
GFZ	VIII	27 10 22 27.4–.25	6N–2.0	125E–2.0	48–2	5.8b,5.7		
IPGP	VIII	27 10 22 27.0	5.70N	125.21E	34	5.7W,5.7		
NEIC	VIII	27 10 22 35.5	5.70N	125.21E	36	5.6,5.7		
ISC	Event type se.							
MAN	Event type fe. INTENSITY IV - DON MARCELINO JOSE ABAD SANTOS MALITA AND SARANGANI DAVAO OCCIDENTAL; ALABEL GLAN KIAMBA MAASIM MALAPATAN AND MALUNGON SARANGANI; POLOMOLOK SOUTH COTABATO; CITY OF GENERAL SANTOS ; . INTENSITY III - CITY OF DIGOS AND SANTA CRUZ DAVAO DEL SUR; BANGA CITY OF KORONADAL LAKE SEBU TAMPAKAN AND TUPI SOUTH COTABATO; ; BAGUMBAYAN KALAMANSIG AND LEBAK SULTAN KUDARAT ; . INTENSITY II - MATANAO DAVAO DEL SUR; CITY OF DAVAO; KABACAN CITY OF KIDAPAWAN MAKILALA AND MATALAM COTABATO; NORALA SANTO NINO SURALLAH TANTANGAN AND T"BOLI SOUTH COTABATO; ESPERANZA ISULAN PRESIDENT QUIRINO AND CITY OF TACURONG SULTAN KUDARAT ; . INTENSITY I - CITY OF ZAMBOANGA; ANTIPAS ARAKAN M"LANG MAGPET PIKIT AND PRESIDENT ROXAS COTABATO; LAMBAYONG AND SENATOR NINOY ; AQUINO SULTAN KUDARAT.							
MOS	Error ellipse: s-maj=7.7km s-min=3.9km az=109.0.							
NEIC	Event type se.							
NEIC	Event type se.							
ISC-P	Moment Tensor Solution. s42 Moment tensor: Scale 10^{18}Nm; M_{rr}0.47±.09 $M_{\theta\theta}$0.74±.19; $M_{\phi\phi}$-0.27±.12; $M_{r\theta}$-0.20±.20; $M_{\theta\phi}$0.19±.13; $M_{\phi r}$0.06±.10; NP1:ϕ_s220.10000°,δ58.40000° ,λ169.00000°. NP2:ϕ_s315.90000°,δ80.60000°,λ32.10000°. $M_0$1.38000×10^{18}							
IDC	Error ellipse: s-maj=11.3km s-min=6.8km az=79.0.							
NEIC	Event type se. Error ellipse: s-maj=10.5km s-min=6.1km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.59 $M_{\theta\theta}$0.73 $M_{\phi\phi}$-3.31 $M_{r\theta}$0.36 $M_{\theta\phi}$-1.28 $M_{\phi r}$-0.38 NP1:ϕ_s181.58000°,δ49.38000°,λ69.49000°. NP2:ϕ_s31.46000°,δ44.69000° ,λ112.21000°. Principal axes: T 2.7212,Plg74.0000°,Azm25.0000°; N 0.9714,Plg15.0000° ,Azm195.0000°; P -3.6926,Plg2.0000°,Azm286.0000° $M_0$3.32000×10^{17}							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.88 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-2.44 $M_{r\theta}$0.98 $M_{\theta\phi}$-1.22 $M_{\phi r}$-0.71 NP1: ϕ_s170.27641°,δ58.08762°,λ48.59965°. NP2:ϕ_s49.32966°,δ50.45129°,λ136.72057°. Principal axes: T 2.6955,Plg55.4904°,Azm24.6482°; N 0.2020,Plg34.1501°,Azm195.2642° ; P -2.8975,Plg4.3844°,Azm288.2454° $M_0$2.80194×10^{17}							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108271022A. Moment Tensor Solution. s131,c254; s159,c306;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.43±.05 $M_{\theta\theta}$1.55±.04; $M_{\phi\phi}$-3.98±.04; $M_{r\theta}$0.35±.05; $M_{\theta\phi}$-2.09±.03; $M_{\phi r}$-1.52±.06; Best double couple: NP1: ϕ_s53.00000°,δ47.00000°,λ145.00000°. NP2:ϕ_s169.00000°,δ65.00000°,λ49.00000°. Principal axes: T 3.2880,Plg51.0000°,Azm31.0000°; N 1.6360,Plg37.0000°,Azm189.0000° ; P -4.9250,Plg10.0000°,Azm287.0000° $M_0$4.10700×10^{17}							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.							
IPGP	Moment Tensor Solution. NP1:ϕ_s176.00000°,δ55.00000°,λ59.00000°. NP2:ϕ_s42.00000° ,δ45.00000°,λ127.00000°.							
NEIC	Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.46 $M_{\theta\theta}$0.68 $M_{\phi\phi}$-3.15 $M_{r\theta}$0.99 $M_{\theta\phi}$-0.71 $M_{\phi r}$-1.23 NP1:ϕ_s34.94000°,δ40.85000° ,λ130.31000°. NP2:ϕ_s166.66000°,δ60.08000°,λ60.77000°. Principal axes: T 3.2188,Plg63.0000°,Azm28.0000°; N 0.2482,Plg25.0000°,Azm182.0000° ; P -3.4670,Plg10.0000°,Azm277.0000° $M_0$3.35000×10^{17}							

ISC	**VIII**	**28 22 56 58.2–.50**	**6.15N–.07**	**126.78E–.09**	**83**	**4.0b**	**48**	**1-122**
IDC	VIII	28 22 56 59.0–1.4	6.17N	126.78E	92–12	4.0,3.6b		**¶621073138**
NEIC	VIII	28 22 56 58.5–1.1	6.18N–.09	126.8E–.10	78–9	4.1b,3.6b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**28 07 07 17.0–1.6**	**5.5N–.50**	**127E–1.0**	**10**	**3.9b**	**10**	**2-97**
IDC	VIII	28 07 07 15.5–1.3	5.50N	126.55E	0	3.9b,3.9		**¶621073094**
ISC	Event type se.							
IDC	Error ellipse: s-maj=126.6km s-min=15.2km az=65.0.							
ISC	**VIII**	**30 13 58 56.5–1.1**	**5.2N–.10**	**125.2E–.20**	**35**	**3.4b**	**8**	**2-65**
IDC	VIII	30 13 58 51.5–1.1	5.13N	125.18E	0	3.5b,3.5		**¶621076524**
ISC	Event type se.							
IDC	Error ellipse: s-maj=35.9km s-min=16.6km az=82.0.							
DJA	**VIII**	**28 19 17 29.3–1.5**	**6N–4.0**	**127E–4.0**	**13–11**	**4.8b,4.6b**		**¶626189554**
ISC	**VIII**	**29 14 53 03.3–.94**	**8.00N–.02**	**126.16E–.03**	**32–7**	**4.4b,3.7s**	**254**	**0-144**
DJA	VIII	29 14 52 57.6–1.3	9N–7.0	126E–5.0	31–19	5.5,5.4b		**¶621010000**
MAN	VIII	29 14 53 01.6	8.01N	126.11E	20	5.5b,4.8s		
IDC	VIII	29 14 53 03.9–1.7	7.94N	126.01E	46–18	4.7L,4.2		
NEIC	VIII	29 14 53 04.6–1.4	7.95N–.07	126.23E–.02	35–2	4.6b,4.2		
GFZ	VIII	29 14 53 05.0–.72	8N–5.0	126E–5.0	47–7	4.7,4.7b		
ISC	Event type se.							
MAN	Event type fe. INTENSITY V - SANTA JOSEFA AGUSAN DEL SUR ; . INTENSITY IV - MONKAYO DAVAO DE ORO; BUNAWAN AND ROSARIO AGUSAN DEL SUR ; . INTENSITY III - COMPOSTELA LAAK MAWAB MONTEVISTA NABUNTURAN AND NEW BATAAN DAVAO DE ORO; BOSTON DAVAO ORIENTAL ; . INTENSITY II - MABINI AND PANTUKAN DAVAO DE ORO; SAN FRANCISCO AGUSAN DEL SUR; CITY OF BISLIG SURIGAO DEL SUR ; . INTENSITY I - MACO DAVAO DE ORO.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**IX**	**05 22 50 14.9–.68**	**5.36N–.07**	**126.5E–.10**	**50**	**4.2b**	**25**	**2-85**
IDC	IX	05 22 50 09.7–.98	5.08N	125.60E	0	3.8b,3.8		**¶621086425**
NEIC	IX	05 22 50 15.9–1.8	5.35N–.07	126.5E–.10	56–8	4.4b,3.8		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**31 22 26 05.2–.97**	**7.14N–.07**	**125.65E–.08**	**23–6**	**4.5b**	**82**	**0-150**
DJA	VIII	31 22 25 59.4–2.2	8N–19	126E–5.0	10	5.2,5.0b		**¶621012674**
NEIC	VIII	31 22 26 05.8–1.9	7.13N–.09	125.6E–.10	23–4	4.5b,5.0b		
IDC	VIII	31 22 26 39.7–7.1	3.01N	127.29E	0	4.3b,4.3		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=15.4km s-min=12.8km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=144.0km s-min=112.7km az=78.0.							
ISC	**IX**	**06 10 27 23.7–.95**	**5.42N–.05**	**126.55E–.06**	**67–9**	**4.5b**	**112**	**1-97**
MAN	IX	06 10 27 11.6	4.97N	126.74E	1	5.1b,4.1s		**¶621037054**
IDC	IX	06 10 27 23.1–1.5	5.49N	126.60E	68–13	4.2,3.9b		
NEIC	IX	06 10 27 24.8–2.2	5.47N–.06	126.3E–.10	72–7	4.5b,3.9b		
ISC	Event type fe.							
MAN	Event type fe.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**06 05 42 16.2–2.5**	**5.23N–.05**	**126.61E–.06**	**8–14**	**4.2b,3.9s**	**75**	**1-99**
IDC	IX	06 05 42 15.4–.69	5.10N	125.69E	0	4.1b,4.1		**¶621094233**
MAN	IX	06 05 42 18.4	5.45N	126.60E	1	5.5b,4.7s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=39.8km s-min=12.8km az=73.0.							
MAN	Event type fe.							
ISC	**IX**	**06 10 38 59.2–.33**	**5.43N–.03**	**126.72E–.04**	**58–2**	**4.9b,4.3s**	**376**	**1-162**
MAN	IX	06 10 38 53.5	5.35N	126.65E	1	5.6b,4.9s		**¶621037055**
GFZ	IX	06 10 38 54.2–.24	6N–3.0	127E–4.0	10	5.1b,4.8		
IDC	IX	06 10 38 58.7–1.4	5.54N	126.80E	53–12	4.7,4.4b		
NEIC	IX	06 10 38 59.1–2.0	5.51N–.06	126.70E–.08	57–6	4.9b,4.4b		
BJI	IX	06 10 39 00.0	5.50N	126.60E	65	5.0b,5.0b		
GCMT	IX	06 10 39 01.9–.30	5.56N–.02	126.94E–.02	62–3	5.0W,5.0b		
ISC	Event type fe.							
MAN	Event type fe.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109061039A. Moment Tensor Solution. s10,c10; s90,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.54±.33 $M_{\theta\theta}$3.72±.17; $M_{\phi\phi}$-1.18±.21; $M_{r\theta}$-0.23±.14; $M_{\theta\phi}$0.39±.12; $M_{\phi r}$1.78±.11; Best double couple: NP1:ϕ_s236.00000°,δ54.00000° ,λ-135.00000°. NP2:ϕ_s115.00000°,δ55.00000°,λ-46.00000°. Principal axes: T 3.7520,Plg1.0000°,Azm176.0000°; N 0.0360,Plg35.0000°,Azm266.0000° ; P -3.7870,Plg55.0000°,Azm85.0000° $M_0$3.76900×10^{16}							
ISC	**IX**	**06 08 34 03.7–1.6**	**5.32N–.07**	**126.71E–.08**	**54–16**	**4.9s,4.4b**	**53**	**1-91**
MAN	IX	06 08 33 58.6	5.33N	126.73E	1	5.3b,4.4s		**¶621094239**
IDC	IX	06 08 34 03.6–3.0	5.55N	126.86E	59–23	4.3,4.2s		
ISC	Event type fe.							
MAN	Event type fe.							
IDC	Error ellipse: s-maj=57.3km s-min=10.5km az=67.0.							
ISC	**IX**	**06 14 27 30.6–2.7**	**5.40N–.06**	**126.80E–.07**	**12–16**	**3.5b**	**29**	**1-84**
IDC	IX	06 14 27 20.2–1.1	7.11N	130.24E	0	4.9L,3.8		**¶621094260**
MAN	IX	06 14 27 32.9	5.46N	126.70E	12	5.0b,4.0s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=29.2km s-min=23.0km az=67.0.							
MAN	Event type fe.							
ISC	**IX**	**06 21 16 25.7–1.5**	**5.49N–.04**	**126.87E–.05**	**15–9**	**4.4b,3.4s**	**81**	**1-97**
IDC	IX	06 21 16 23.2–.67	5.60N	127.03E	0	4.1b,4.1		**¶621094286**
MAN	IX	06 21 16 24.2	5.32N	126.88E	1	5.2b,4.3s		
NEIC	IX	06 21 16 25.6–1.8	5.53N–.07	126.9E–.10	10–1	4.6b,4.3s		
ISC	Event type fe.							
MAN	Event type fe.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**07 04 06 29.3–1.8**	**5.5N–.20**	**126.4E–.20**	**35**	**4.3b,3.3s**	**7**	**7-90**
IDC	IX	07 04 06 24.2–1.4	5.53N	126.38E	0	4.0b,4.0		**¶621094299**
NEIC	IX	07 04 06 33.9–.79	5.4N–.10	126.1E–.20	68–9	4.4b,4.0		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	**IX**	**06 19 03 48.4–2.9**	**6.11N**	**124.82E**	**0**	**3.5b,3.5**		**¶621094276**
IDC	Error ellipse: s-maj=302.6km s-min=27.0km az=64.0.							
ISC	**IX**	**07 02 29 30.2–.39**	**5.39N–.03**	**126.70E–.04**	**43–3**	**4.8b,4.1s**	**429**	**1-151**
MAN	IX	07 02 29 26.2	5.29N	126.86E	15	5.6b,4.9s		**¶621039493**
BJI	IX	07 02 29 28.5	5.08N	126.83E	69	5.1b,4.9b		
NEIC	IX	07 02 29 31.0–1.6	5.51N–.05	126.71E–.08	44–5	4.9b,4.9b		
GCMT	IX	07 02 29 31.4–.40	5.39N–.03	126.91E–.02	24–1	5.0W,4.9b		
IDC	IX	07 02 29 33.0–1.2	5.48N	126.72E	67–10	4.5,4.3b		
GFZ	IX	07 02 29 33.1–.19	5N–2.0	126E–4.0	63	5.0b,4.9		
ISC	Event type fe.							
MAN	Event type fe. INTENSITY I - MALITA DAVAO OCCIDENTAL.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109070229A. Moment Tensor Solution. s25,c26; s63,c86; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.28 $M_{\theta\theta}$0.16±.14; $M_{\phi\phi}$-2.81±.17; $M_{r\theta}$1.01±.21; $M_{\theta\phi}$-0.07±.08; $M_{\phi r}$1.93±.20; Best double couple: NP1:ϕ_s166.00000°,δ29.00000° ,λ62.00000°. NP2:ϕ_s17.00000°,δ65.00000°,λ104.00000°. Principal axes: T 3.5280,Plg67.0000°,Azm314.0000°; N -0.0650,Plg13.0000°,Azm191.0000° ; P -3.4630,Plg18.0000°,Azm96.0000° $M_0$3.49600×10^{16}							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							

ISC	**IX**	**06 16 50 11.2–1.3**	**5.52N–.04**	**126.77E–.04**	**15–8**	**4.4b,3.3s**	**117**	**1-97**
MAN	IX	06 16 50 08.7	5.26N	127.04E	16	5.3b,4.4s		**¶621094266**
IDC	IX	06 16 50 08.8–.56	5.49N	126.59E	0	4.2b,4.2		

NEIC IX 06 16 50 16.7–1.0 5.50N–.06 126.71E–.09 53–8 4.5b,4.2
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 06 16 55 10.8–1.1 5.8N–.30 126.9E–.40 10 3.7b 10 2-66
IDC IX 06 16 55 09.4–1.1 5.76N 126.98E 0 3.7b,3.7 **¶621094267**
ISC Event type se.
IDC Error ellipse: s-maj=62.7km s-min=12.2km az=55.0.
ISC IX 08 08 44 43.7–.66 5.94N–.07 126.8E–.10 83 4.0b 37 2-88
IDC IX 08 08 44 43.2–3.4 6.06N 126.87E 81–29 4.0,3.6b **¶621105770**
NEIC IX 08 08 44 44.9–1.4 5.87N–.08 126.6E–.20 85–5 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 07 18 29 18.9–.80 8.39N–.03 126.85E–.05 46–7 4.6b,3.3s 225 1-99
MAN IX 07 18 29 16.2 8.43N 126.90E 10 5.4b,4.5s **¶621041903**
GFZ IX 07 18 29 22.3–.55 8N–3.0 127E–4.0 87–5 4.6b,4.6
IDC IX 07 18 29 22.9–1.6 8.45N 126.77E 79–15 4.4,4.0b
NEIC IX 07 18 29 22.8–2.4 8.31N–.07 126.67E–.07 74–7 4.6b,4.0b
ISC Event type fe.
MAN Event type fe. INTENSITY I - CITY OF BISLIG SURIGAO DEL SUR.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 08 05 15 18.7–.90 6.04N–.04 126.90E–.06 66–8 4.5b 140 1-142
MAN IX 08 05 15 17.8 6.03N 126.83E 52 5.3b,4.5s **¶621105765**
IDC IX 08 05 15 18.7–1.8 6.25N 127.11E 68–16 4.4,4.1b
NEIC IX 08 05 15 18.2–1.7 6.10N–.07 126.93E–.06 58–6 4.5b,4.1b
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 05 19 51.0–.71 5.90N–.04 126.50E–.05 91–6 4.4b 130 1-142
MAN IX 09 05 19 50.0 5.88N 126.61E 59 5.1b,4.1s **¶621105846**
NEIC IX 09 05 19 51.7–1.5 5.89N–.06 126.23E–.10 96–7 4.5b,4.1s
IDC IX 09 05 19 52.5–1.1 6.06N 126.61E 105–9 4.7s,4.3
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=6.5km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.1km s-min=8.8km az=63.0.
ISC IX 10 03 05 26.4–1.0 9.1N–.20 126.5E–.30 150 3.8b 9 7-87
IDC IX 10 03 05 28.1–3.9 9.10N 126.28E 166–37 3.9,3.4b **¶621108479**
ISC Event type se.
IDC Error ellipse: s-maj=57.1km s-min=14.7km az=72.0.
ISC IX 09 15 18 03.8–.64 5.44N–.05 126.85E–.09 84 4.2b 46 2-90
NEIC IX 09 15 18 00.3–2.4 5.46N–.07 127.15E–.09 49–9 4.3b **¶621105888**
IDC IX 09 15 18 02.5–4.2 5.66N 127.13E 61–34 4.3L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.1km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=75.2km s-min=12.9km az=64.0.
ISC IX 10 04 04 16.4–.59 5.49N–.06 126.5E–.10 66 4.2b 37 2-97
NEIC IX 10 04 04 16.4–1.5 5.56N–.06 126.5E–.10 62–7 4.2b **¶621108482**
IDC IX 10 04 04 16.4–1.5 5.46N 126.32E 69–14 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=6.5km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.0km s-min=10.8km az=64.0.
ISC IX 11 20 14 35.5–1.3 5.42N–.04 126.59E–.05 32–10 4.5b,3.8s 128 1-122
MAN IX 11 20 14 29.8 5.31N 126.76E 1 5.5b,4.8s **¶621108600**
IDC IX 11 20 14 30.5–.63 5.81N 127.03E 0 4.2,4.1L
NEIC IX 11 20 14 36.8–1.8 5.53N–.06 126.58E–.09 41–7 4.6b,4.1L
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 12 17 46.9–.61 5.33N–.06 126.4E–.10 66 3.9b 31 2-84
NEIC IX 10 12 17 46.3–1.4 5.37N–.06 126.3E–.10 55–7 4.1b **¶621108514**
IDC IX 10 12 17 49.0–2.4 5.39N 126.39E 72–19 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=6.4km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=66.9km s-min=16.5km az=71.0.
IDC IX 10 00 19 55.7–2.8 5.13N 126.91E 0 3.6b,3.6
¶621108475
IDC Error ellipse: s-maj=234.2km s-min=27.0km az=66.0.
IDC IX 11 05 38 31.7–1.8 7.16N 125.95E 0 3.5b,3.5
¶621108563
IDC Error ellipse: s-maj=32.7km s-min=17.9km az=3.0.
ISC IX 12 12 14 44.7–.88 5.42N–.04 126.46E–.06 68–8 4.3b 131 1-95
MAN IX 12 12 14 35.2 4.84N 126.59E 46 5.4b,4.5s **¶621070684**
DJA IX 12 12 14 41.3–.60 5N–5.0 126E–5.0 10 4.8b,4.7b
IDC IX 12 12 14 43.6–1.4 5.41N 126.33E 59–12 4.1,3.8b
NEIC IX 12 12 14 44.8–1.6 5.49N–.05 126.35E–.02 59–8 4.4b,3.8b
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 09 37 53.1–.49 5.48N–.04 125.7E–.10 10 4.2b,3.5s 47 2-97
IDC IX 18 09 37 51.7–.64 5.37N 125.22E 0 3.9b,3.9 **¶621113559**
NEIC IX 18 09 37 53.5–1.4 5.40N–.05 125.6E–.10 9–5 4.3b,3.9
DJA IX 18 09 38 16.4–.50 4N–6.0 126E–5.0 10 3.1,3.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 18 21 34 21.6–2.4 5.58N 125.76E 0 3.6b,3.6
¶621113593
IDC Error ellipse: s-maj=265.0km s-min=22.3km az=66.0.
IDC IX 18 03 10 42.6–2.0 5.12N 126.28E 0 3.4b,3.4
¶621113541
IDC Error ellipse: s-maj=133.1km s-min=22.8km az=70.0.
ISC IX 28 15 08 53.3–1.2 6.31N–.03 124.95E–.03 6–9 3.8b 49 0-59
MAN IX 28 15 08 52.3 6.22N 124.85E 4 5.2b,4.3s **¶621140835**
IDC IX 28 15 08 53.4–1.9 5.55N 123.81E 0 3.6b,3.6
ISC Event type fe.
MAN Event type fe. INTENSITY III - LAKE SEBU AND T"BOLI SOUTH COTABATO ; . INTENSITY II - BANGA AND SURALLAH SOUTH COTABATO ; . INTENSITY I - CITY OF KORONADAL SOUTH COTABATO.
IDC Error ellipse: s-maj=230.7km s-min=23.3km az=64.0.
ISC IX 19 03 18 19.8–1.0 6.2N–.10 123.9E–.10 35 3.7b 9 2-84
IDC IX 19 03 18 24.0–4.0 6.26N 124.15E 75–39 3.7,3.4b **¶621113603**
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=16.2km az=79.0.
IDC IX 20 07 14 47.6–1.1 5.15N 125.73E 0 3.5,3.4b
¶621115983
IDC Error ellipse: s-maj=84.7km s-min=15.6km az=80.0.
ISC IX 22 05 53 35.0–.51 5.60N–.05 126.54E–.08 66 4.2b 66 2-122
DJA IX 22 05 53 33.6–.40 6N–3.0 127E–5.0 10 5.0b,4.5b **¶621118120**
NEIC IX 22 05 53 34.1–1.1 5.59N–.04 126.5E–.10 51–8 4.4b,4.5b
IDC IX 22 05 53 35.6–2.0 5.63N 126.65E 73–16 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=4.9km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.8km s-min=12.3km az=65.0.
ISC IX 22 06 50 49.8–.63 8.14N–.07 126.40E–.10 100 4.4b 82 1-152
NEIC IX 22 06 50 49.7–1.4 8.17N–.09 126.6E–.10 87–6 4.5b **¶622452201**
DJA IX 22 06 50 50.5–.80 8N–6.0 126E–4.0 110–5 5.3b,4.9
IDC IX 22 06 50 51.8–2.3 6.99N 124.23E 93–20 4.5,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=12.5km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.1km s-min=12.5km az=70.0.
ISC IX 24 14 28 17.9–1.1 5.6N–.40 126.3E–.60 10 3.6b 7 8-66
IDC IX 24 14 28 16.2–1.1 5.67N 126.57E 0 3.5b,3.5 **¶621126444**
ISC Event type se.
IDC Error ellipse: s-maj=108.9km s-min=17.6km az=61.0.
ISC IX 22 15 03 33.2–1.7 5.63N–.04 126.99E–.06 4–10 4.2b 88 1-90
IDC IX 22 15 03 32.2–.72 5.86N 127.33E 0 3.8b,3.8 **¶621118155**
NEIC IX 22 15 03 34.3–1.4 5.77N–.04 127.18E–.08 10–1 4.4b,3.8
MAN IX 22 15 03 35.2 5.51N 126.73E 5 5.2b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=36.3km s-min=11.4km az=56.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=7.4km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC IX 29 09 27 16.3–1.3 6.25N–.04 124.86E–.04 6–9 3.6b 36 0-54
IDC IX 29 09 27 13.1–1.8 6.96N 126.88E 0 3.6b,3.6 **¶621146364**
MAN IX 29 09 27 14.5 6.13N 124.84E 11 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=20.7km az=35.0.
MAN Event type fe. INTENSITY III - T"BOLI SOUTH COTABATO ; . INTENSITY II - TUPI SOUTH COTABATO ; . INTENSITY I - LAKE SEBU SOUTH COTABATO.
ISC IX 29 15 48 56.1–.61 5.55N–.03 124.95E–.03 59–6 4.6b,3.8s 334 1-152
BJI IX 29 15 48 52.6 5.48N 124.92E 34 5.1b,4.5b **¶621113001**
NEIC IX 29 15 48 54.8–2.5 5.55N–.03 124.79E–.07 35–2 4.8b,4.5b
GFZ IX 29 15 48 55.7–.17 6N–2.0 125E–3.0 58 5.3b,5.1L
DJA IX 29 15 48 56.2–.40 6N–4.0 125E–2.0 52–10 5.5b,5.3
MAN IX 29 15 48 56.9 5.83N 125.02E 17 5.3b,4.4s
GCMT IX 29 15 48 57.5–.30 5.62N–.02 124.83E–.03 32–1 4.9W,4.4s
IDC IX 29 15 48 58.1–1.1 5.69N 125.11E 77–10 4.3,4.0b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=3.4km az=287.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe. INTENSITY III - KIAMBA SARANGANI ; . INTENSITY II - JOSE ABAD SANTOS DAVAO OCCIDENTAL; GLAN MAASIM AND MALAPATAN SARANGANI; CITY OF GENERAL SANTOS ; . INTENSITY I - TAMPAKAN SOUTH COTABATO.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109291549A. Moment Tensor Solution. s20,c20; s90,c116; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.37±.19 $M_{\theta\theta}$-2.06±.13; $M_{\phi\phi}$1.69±.14; $M_{r\theta}$0.15±.15; $M_{\theta\phi}$1.59±.08; $M_{\phi r}$1.28±.20; Best double couple: NP1:ϕ_s68.00000°,δ67.00000° ,λ15.00000°. NP2:ϕ_s332.00000°,δ76.00000°,λ156.00000°. Principal axes: T 2.8980,Plg26.0000°,Azm289.0000°; N -0.2230,Plg63.0000°,Azm124.0000° ; P -2.6760,Plg6.0000°,Azm22.0000° M_o2.78700×10^{16}
IDC Error ellipse: s-maj=16.6km s-min=8.4km az=81.0.
ISC X 02 18 06 53.5–1.0 9.30N–.02 125.30E–.02 25–8 4.1b,3.5s 151 0-93
NEIC X 02 18 06 51.8–1.6 9.30N–.04 125.31E–.10 10–1 4.5b,3.5s **¶621186080**
MAN X 02 18 06 53.7 9.30N 125.36E 28 5.2b,4.2s
IDC X 02 18 07 01.8–1.5 8.98N 124.74E 98–16 3.8,3.5s
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=5.5km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - TUBAY AGUSAN DEL NORTE.
IDC Error ellipse: s-maj=26.5km s-min=13.3km az=69.0.
ISC X 05 03 50 48.9–.62 6.36N–.08 126.70E–.09 100 3.9b 28 1-119
NEIC X 05 03 50 49.4–1.7 6.47N–.10 126.7E–.10 102–7 4.4b **¶621203149**
IDC X 05 03 50 49.0–2.5 6.61N 126.76E 101–23 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=13.1km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.0km s-min=18.9km az=66.0.
ISC X 03 22 05 51.0–.60 5.87N–.04 126.07E–.05 150–6 4.3b 175 0-88
NEIC X 03 22 05 50.5–1.7 5.97N–.06 126.11E–.09 139–7 4.6b **¶621186150**
DJA X 03 22 05 50.2–.60 6N–5.0 126E–3.0 178–7 5.3b,4.7
IDC X 03 22 05 52.1–.64 5.90N 125.95E 162–4 4.2,3.7b
MAN X 03 22 05 52.6 5.99N 126.11E 134 5.0b,4.0s
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.2km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=9.4km az=77.0.
MAN Event type fe.
ISC X 10 10 59 08.6–1.0 5.15N–.05 126.48E–.07 119–9 3.7b 44 1-40
DJA X 10 10 59 08.5–.80 5N–2.0 126E–3.0 16–6 5.9b,5.5 **¶621235380**
IDC X 10 10 59 08.8–2.6 5.21N 126.61E 134–42 4.0,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=94.8km s-min=37.7km az=73.0.
ISC X 11 15 25 53.5–.48 5.17N–.05 125.32E–.08 50 4.2b 44 2-85
NEIC X 11 15 25 54.6–1.2 5.20N–.06 125.31E–.08 57–7 4.6b **¶621236893**
IDC X 11 15 25 57.0–1.9 5.29N 125.57E 92–21 4.0s,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.6km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.3km s-min=12.7km az=73.0.
ISC X 11 23 30 21.9–.35 6.04N–.03 126.85E–.04 72–2 4.9b 435 1-142
GFZ X 11 23 30 20.6–.31 6N–3.0 127E–4.0 64–2 6.5,6.4 **¶621146132**
BJI X 11 23 30 20.0 6.10N 126.90E 80 5.0b,6.4
NEIC X 11 23 30 21.6–1.4 6.11N–.06 126.91E–.06 70–5 5.0b,6.4
IDC X 11 23 30 21.1–1.3 6.16N 127.03E 69–10 4.6,4.3b
MAN X 11 23 30 23.7 6.08N 126.63E 30 5.3b,4.4s
DJA X 11 23 30 23.7–.30 6N–2.0 127E–2.0 71–4 5.8,5.7
ISC Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC X 12 15 16 11.7–.83 9.90N–.02 124.12E–.02 18–3 4.4b,3.2s 200 0-147
DJA X 12 15 16 08.7–2.7 11N–13 124E–4.0 29–16 5.2b,5.1 **¶621146427**
IDC X 12 15 16 08.3–.52 9.88N 124.28E 0 4.7L,4.1b
NEIC X 12 15 16 11.2–1.3 9.88N–.06 124.28E–.02 10–1 4.7b,4.1b
MAN X 12 15 16 11.4 9.85N 124.08E 13 5.2b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=32.0km s-min=10.6km az=68.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=3.2km az=355.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - BATUAN BILAR CALAPE CATIGBIAN INABANGA SAGBAYAN AND TUBIGON BOHOL ; . INTENSITY III - LILA LOAY LOBOC LOON AND SIKATUNA BOHOL ; . INTENSITY II - DUERO AND CITY OF TAGBILARAN BOHOL ; . INTENSITY I - CITY OF LAPU-LAPU.
ISC X 11 20 15 59.4–.47 6.58N–.07 123.6E–.10 600 4.0b 59 5-129
NEIC X 11 20 15 59.4–1.5 6.6N–.10 123.6E–.10 590–8 4.2b **¶621236904**
IDC X 11 20 16 00.3–1.4 6.61N 123.78E 610–18 4.2,3.1b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=22.9km s-min=13.7km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.3km s-min=8.0km az=65.0.
ISC X 16 04 42 39.8–1.5 7.87N–.03 126.87E–.05 17–8 4.1b,3.0s 82 0-122
IDC X 16 04 42 36.0–.78 8.20N 127.10E 0 4.0b,4.0 **¶621242104**
MAN X 16 04 42 43.0 7.94N 126.78E 22 5.0b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=22.1km s-min=15.9km az=104.0.
MAN Event type fe. INTENSITY II - BOSTON AND CATEEL DAVAO ORIENTAL.
ISC X 12 18 33 29.2–.61 5.84N–.05 126.44E–.07 150 3.9b 70 1-90
IDC X 12 18 33 27.4–2.4 6.29N 127.05E 132–20 3.9,3.5b **¶621236964**
NEIC X 12 18 33 29.3–2.4 5.82N–.05 126.4E–.10 141–10 4.0b,3.5b
DJA X 12 18 33 29.5–.50 6N–4.0 126E–4.0 131–7 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 15 16 54 47.4–.32 8.78N–.03 126.43E–.04 67–2 4.8b 463 0-145
BJI X 15 16 54 45.2 8.75N 126.38E 65 5.2b,4.7b **¶621203259**
GFZ X 15 16 54 45.1–.23 9N–2.0 127E–3.0 48–2 5.4L,5.4
MAN X 15 16 54 46.8 8.74N 126.43E 28 5.4b,4.6s
NEIC X 15 16 54 48.5–1.9 8.82N–.08 126.27E–.09 68–2 4.9b,4.6s
DJA X 15 16 54 49.4–.70 9N–5.0 126E–4.0 75–5 5.2,5.2b
IDC X 15 16 54 50.1–1.0 8.79N 126.31E 93–9 4.5,4.2b
ISC Event type fe.
GFZ Error ellipse: s-maj=5.6km s-min=3.8km az=93.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MAN Event type fe. INTENSITY IV - MARIHATAG AND SAN AGUSTIN SURIGAO DEL SUR ; . INTENSITY III - SAN FRANCISCO AGUSAN DEL SUR; CAGWAIT AND CITY OF TANDAG SURIGAO DEL SUR ; . INTENSITY II - CITY OF BISLIG SURIGAO DEL SUR.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=11.1km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.2km s-min=7.2km az=88.0.
ISC X 14 07 14 34.3–.36 6.00N–.04 126.14E–.06 150 4.5b 179 1-96
GFZ X 14 07 14 34.8–.44 6N–3.0 126E–5.0 150–3 5.2b,4.5 **¶621148724**
NEIC X 14 07 14 34.6–1.8 6.03N–.07 126.0E–.10 147–7 4.5b,4.5
IDC X 14 07 14 34.9–.63 6.01N 125.97E 156–5 4.4,3.9b
DJA X 14 07 14 35.0–.40 6N–3.0 126E–3.0 142–5 5.2b,5.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 16 23 41 02.3–2.4 5.82N 126.08E 0 3.3b,3.3 ¶621242156
IDC Error ellipse: s-maj=185.2km s-min=28.7km az=65.0.
IDC X 17 19 11 15.8–2.0 5.47N 126.58E 0 3.4b,3.4 ¶621242898
IDC Error ellipse: s-maj=175.2km s-min=22.9km az=66.0.
IDC X 17 11 21 27.1–1.6 5.43N 124.23E 0 3.5b,3.5 ¶621242882
IDC Error ellipse: s-maj=154.1km s-min=21.4km az=68.0.
ISC X 17 11 28 01.0–.51 7.45N–.07 126.62E–.09 150 4.2b 54 1-122
NEIC X 17 11 28 01.7–.84 7.4N–.10 126.6E–.10 156–2 4.3b **¶621242884**
IDC X 17 11 28 02.2–1.4 7.53N 126.58E 154–11 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=12.8km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.1km s-min=11.1km az=65.0.
IDC X 17 19 52 15.7–2.0 5.18N 126.22E 0 3.3b,3.3 ¶621242899
IDC Error ellipse: s-maj=181.4km s-min=23.5km az=66.0.
DJA X 19 23 30 51.2–.50 5N–3.0 126E–3.0 128–6 4.9b,4.3 ¶626704057
ISC X 22 19 39 19.4–1.1 7.4N–.20 124.3E–.10 19 3.6s,3.5b 8 1-66
IDC X 22 19 39 16.9–1.1 7.37N 124.26E 0 3.5b,3.5 **¶621309342**
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=17.2km az=43.0.
ISC X 22 12 34 01.3–.48 8.84N–.06 126.4E–.10 54 4.1b,2.7s 40 2-145
IDC X 22 12 34 03.0–1.4 8.78N 126.28E 71–13 4.1,3.7b **¶621309326**
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=9.6km az=87.0.
DJA X 25 01 53 40.3–.70 6N–4.0 125E–4.0 81–19 5.2b,5.2b ¶626704557
IDC X 29 06 29 12.1–37 7.41N 124.58E 0 3.8b,3.8 ¶621391421
IDC Error ellipse: s-maj=628.0km s-min=129.0km az=158.0.
ISC X 29 04 33 31.8–.43 5.27N–.03 125.65E–.03 187–3 5.0b 556 1-173
BJI X 29 04 33 30.5 5.20N 125.68E 196 5.0b,4.6b **¶621243359**
IDC X 29 04 33 31.6–.63 5.22N 125.40E 185–5 4.8,4.3b
GCMT X 29 04 33 31.3–.30 5.28N–.02 125.65E–.03 190–3 4.9W,4.3b
NEIC X 29 04 33 31.9–2.4 5.27N–.06 125.49E–.08 177–1 5.1b,4.3b
MAN X 29 04 33 32.9 5.35N 125.59E 173 5.5b,4.7s
GFZ X 29 04 33 32.1–.33 5N–3.0 126E–3.0 176–4 5.3b,5.1b
DJA X 29 04 33 33.2–.20 5N–2.0 126E–2.0 169–2 5.7,5.4b
ISC Event type fe.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110290433A. Moment Tensor Solution. s23,c24; s94,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.05±.10 $M_{\theta\theta}$2.57±.12; $M_{\phi\phi}$-0.51±.13; $M_{r\theta}$-0.58±.10; $M_{\theta\phi}$1.36±.11; $M_{\phi r}$1.43±.10; Best double couple: NP1:ϕ_s219.00000°,δ55.00000°,λ-136.00000°. NP2:ϕ_s100.00000°,δ55.00000°,λ-45.00000°. Principal axes: T 3.0840,Plg0.0000°,Azm159.0000°; N 0.0840,Plg36.0000°,Azm250.0000° ; P -3.1660,Plg54.0000°,Azm69.0000° M_o3.12500×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 25 21 30 50.1–.87 7.0N–.10 123.8E–.20 200 3.5b 10 2-122
IDC X 25 21 30 49.8–1.7 7.01N 123.74E 197–20 3.6,3.1b **¶621366446**
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=14.0km az=62.0.
ISC X 27 13 09 54.4–1.1 6.75N–.02 124.93E–.02 16–7 4.0b,3.5s 134 0-97
IDC X 27 13 09 50.9–.71 6.61N 124.82E 0 3.8L,3.7b **¶621385464**
NEIC X 27 13 09 53.3–.94 6.72N–.07 124.87E–.06 10–1 4.1b,3.7b
DJA X 27 13 09 53.8–.70 7N–11 125E–3.0 12–13 5.1b,4.6
MAN X 27 13 09 54.1 6.73N 124.96E 16 5.2b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=15.0km s-min=12.7km az=81.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.5km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - LUTAYAN SULTAN KUDARAT; . INTENSITY II - KIBLAWAN MAGSAYSAY AND MATANAO DAVAO DEL SUR; CITY OF KIDAPAWAN COTABATO; MALUNGON SARANGANI; CITY OF KORONADAL TAMPAKAN AND TUPI SOUTH COTABATO; COLUMBIO AND CITY OF TACURONG SULTAN KUDARAT; . INTENSITY I - ARAKAN M"LANG MAKILALA AND TULUNAN COTABATO; LAKE SEBU AND TANTANGAN SOUTH COTABATO; PRESIDENT QUIRINO SULTAN KUDARAT.
ISC X 26 05 51 10.1–.68 7.41N–.03 126.71E–.05 60–6 4.6b 246 0-163
DJA X 26 05 51 03.4–2.2 8N–18 127E–7.0 52–10 5.6b,5.1 **¶621239341**
MAN X 26 05 51 10.1 7.47N 126.68E 34 5.4b,4.6s
GFZ X 26 05 51 11.8–.23 8N–2.0 127E–3.0 75 5.1b,5.0L
NEIC X 26 05 51 11.1–1.3 7.52N–.05 126.67E–.08 69–7 4.5b,5.0L
IDC X 26 05 51 11.9–1.3 7.50N 126.62E 78–12 4.6,4.3b
ISC Event type fe.
MAN Event type fe. INTENSITY III - LAAK MAWAB AND MONKAYO DAVAO DE ORO; CARAGA DAVAO ORIENTAL ; . INTENSITY II - MONTEVISTA DAVAO DE ORO; CITY OF TAGUM DAVAO DEL NORTE; CITY OF DAVAO; BAGANGA AND CITY OF MATI DAVAO ORIENTAL; CITY OF BISLIG SURIGAO DEL SUR.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.9km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.9km s-min=9.8km az=75.0.
ISC X 26 15 05 18.6–1.3 7.09N–.09 126.2E–.10 53 3.5b 20 1-59
IDC X 26 15 05 12.4–3.0 6.85N 125.85E 0 3.5b,3.5 **¶621366481**
DJA X 26 15 05 14.1–.90 7N–6.0 126E–7.0 97–8 4.2,4.1
ISC Event type se.
ISC X 27 12 44 25.5–.59 5.98N–.03 126.11E–.05 118–5 4.3b 226 0-142
MAN X 27 12 44 23.8 5.91N 126.18E 114 5.2b,4.4s **¶621242178**
GFZ X 27 12 44 25.5–.33 6N–3.0 126E–3.0 137 5.1b,4.7b
DJA X 27 12 44 25.7–.50 6N–4.0 126E–3.0 114–7 5.2b,5.1
NEIC X 27 12 44 26.7–1.5 6.02N–.06 126.0E–.10 123–7 4.4b,5.1
IDC X 27 12 44 26.1–.64 5.96N 125.94E 125–5 4.1,3.7b
ISC Event type fe.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.1km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.7km s-min=8.7km az=74.0.
ISC XI 01 06 32 00.8–1.5 5.3N–.40 125.4E–.80 150 3.5b 7 2-60
IDC XI 01 06 32 00.7–12 5.25N 125.28E 146–114 3.7,3.3b **¶621401255**
ISC Event type se.
IDC Error ellipse: s-maj=115.1km s-min=20.4km az=64.0.
ISC X 30 06 53 08.0–.32 9.16N–.04 126.18E–.07 66 4.6b 147 2-170
DJA X 30 06 53 04.2–2.0 10N–16 126E–5.0 41–15 5.7b,5.2 **¶621244353**
IDC X 30 06 53 08.8–1.5 9.12N 126.16E 76–14 4.4,4.1b
NEIC X 30 06 53 09.1–1.0 9.07N–.07 126.2E–.10 75–7 4.7b,4.1b
GFZ X 30 06 53 09.2–.69 9N–3.0 126E–4.0 76–6 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 30 12 10 35.2–.45 5.93N–.04 126.20E–.06 100 4.3b 146 1-90
DJA X 30 12 10 34.8–.30 6N–2.0 126E–3.0 10 5.3b,5.1b **¶621244418**
GFZ X 30 12 10 36.1–.50 6N–5.0 126E–4.0 95–5 5.2b,4.8b
NEIC X 30 12 10 36.1–1.2 6.02N–.07 126.20E–.05 107–8 4.4b,4.8b
IDC X 30 12 10 36.3–.88 5.96N 126.21E 106–7 4.1,3.7b
ISC Event type se.
GFZ Error ellipse: s-maj=11.4km s-min=7.8km az=35.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=3.5km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.2km s-min=9.3km az=66.0.
IDC X 31 05 10 55.0–1.4 8.50N 126.56E 0 3.3b,3.3 ¶621395225
IDC Error ellipse: s-maj=34.4km s-min=18.5km az=118.0.
ISC XI 02 05 24 54.8–1.1 10.00N–.02 126.39E–.04 31–8 3.9b,3.4s 89 0-87
IDC XI 02 05 24 49.5–.84 10.07N 126.41E 0 4.3L,4.0 **¶621401327**
MAN XI 02 05 24 55.6 10.05N 126.26E 10 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=14.1km az=84.0.
MAN Event type fe.
ISC XI 05 18 25 14.4–1.3 9.71N–.02 126.72E–.04 11–8 4.3b 154 1-87
IDC XI 05 18 25 12.8–.71 9.84N 126.92E 0 4.1L,3.9 **¶621413984**
NEIC XI 05 18 25 14.5–1.3 9.76N–.07 126.71E–.10 10–1 4.4b,3.9
MAN XI 05 18 25 17.2 9.66N 126.67E 11 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=12.1km az=82.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.4km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC XI 04 22 24 32.3–.75 5.5N–.10 126.3E–.30 100 3.8b 12 2-89
IDC XI 04 22 24 33.5–1.2 5.58N 126.23E 114–11 3.8,3.4b **¶621412319**
ISC Event type se.
IDC Error ellipse: s-maj=48.8km s-min=11.7km az=65.0.
ISC XI 05 05 05 21.1–.98 9.16N–.03 126.94E–.05 41–9 4.6b,3.7s 253 1-145
IDC XI 05 05 05 14.7–.54 9.06N 126.77E 0 4.3b,4.3 **¶621361569**
BJI XI 05 05 05 14.7 8.79N 126.60E 17 4.9b,4.7b
MAN XI 05 05 05 16.1 9.14N 126.99E 5 5.4b,4.5s
DJA XI 05 05 05 21.6–1.2 9N–9.0 127E–6.0 42–13 5.5b,5.0
NEIC XI 05 05 05 23.3–1.3 9.07N–.08 126.7E–.10 59–7 4.6b,5.0
GFZ XI 05 05 05 24.4–.73 9N–3.0 127E–5.0 70–6 4.9L,4.9b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 06 13 01 34.8–.72 5.80N–.05 125.29E–.05 94–6 3.8b 65 0-121
MAN XI 06 13 01 34.0 5.76N 125.34E 83 5.0b,4.0s **¶621415982**
IDC XI 06 13 01 36.5–1.0 5.88N 125.44E 111–10 4.0,3.6b
ISC Event type se.
MAN Event type fe.
IDC Error ellipse: s-maj=32.8km s-min=11.0km az=72.0.
IDC XI 05 15 01 32.6–3.5 9.18N 126.95E 0 3.5b,3.5 ¶621413978
IDC Error ellipse: s-maj=292.5km s-min=24.2km az=67.0.
ISC XI 06 13 09 10.6–.64 9.84N–.06 127.0E–.10 41 4.0b 27 3-146
IDC XI 06 13 09 04.6–.67 9.93N 127.06E 0 4.8L,4.1b **¶621370958**
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=11.4km az=79.0.
ISC XI 08 07 04 49.1–.59 6.41N–.03 126.19E–.04 84–5 4.7b 428 1-169
BJI XI 08 07 04 41.5 5.74N 126.60E 85 5.1b,4.8b **¶621372569**
MAN XI 08 07 04 47.8 6.40N 126.27E 42 5.5b,4.7s
IDC XI 08 07 04 49.6–.55 6.34N 125.89E 90–4 4.5,4.1b
GFZ XI 08 07 04 49.3–.26 7N–3.0 126E–5.0 84 5.5,5.3b
DJA XI 08 07 04 49.9–.40 6N–3.0 126E–3.0 56–4 5.5,5.4b
NEIC XI 08 07 04 49.3–1.1 6.45N–.07 126.14E–.08 83–5 4.8b,5.4b
ISC Event type se.
MAN Event type fe. INTENSITY III - GOVERNOR GENEROSO DAVAO ORIENTAL; . INTENSITY II - CITY OF DAVAO; TARRAGONA DAVAO ORIENTAL; CITY OF GENERAL SANTOS ; . INTENSITY I - BAGUMBAYAN SULTAN KUDARAT.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 06 23 19 47.7–.85 9.3N–.10 125.8E–.20 67 4.1b 36 2-86
IDC XI 06 23 19 33.8–4.9 8.63N 126.12E 0 4.1b,4.1 **¶621416008**
NEIC XI 06 23 19 41.8–1.7 9.55N–.10 125.8E–.20 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 07 21 39 57.0–.63 5.66N–.08 124.1E–.10 500 3.8b 39 6-88
NEIC XI 07 21 39 58.5–1.1 5.7N–.10 124.1E–.10 513–6 4.0b **¶621416053**
IDC XI 07 21 39 59.1–1.9 5.56N 124.08E 534–25 3.9,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=15.1km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.3km s-min=10.0km az=64.0.
ISC XI 07 18 09 18.7–.48 9.99N–.03 125.40E–.04 219–5 4.3b 332 0-146
GFZ XI 07 18 09 18.9–.41 10N–3.0 125E–5.0 212–5 5.0b,4.5b **¶621372477**
IDC XI 07 18 09 18.9–.86 9.98N 125.25E 226–9 4.5,3.8b

MAN XI 07 18 09 18.8 10.07N 125.36E 212 5.4b,4.7s
NEIC XI 07 18 09 19.1–1.7 10.07N–.09 125.4E–.10 221–7 4.4b,4.7s
DJA XI 07 18 09 30.3–1.2 9N–11 126E–3.0 224–5 5.1,4.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 22 36 36.2–.59 5.70N–.03 126.20E–.04 117–5 4.5b 392 1-152
MAN XI 09 22 36 32.7 5.44N 126.20E 83 5.4b,4.6s **¶621385742**
GFZ XI 09 22 36 35.9–.24 6N–3.0 126E–4.0 104 5.0b,4.9L
NEIC XI 09 22 36 36.0–1.9 5.68N–.06 126.12E–.08 109–5 4.6b,4.9L
DJA XI 09 22 36 36.1–.40 6N–4.0 126E–2.0 104–4 5.2b,5.2
IDC XI 09 22 36 36.4–.85 5.70N 125.95E 119–6 4.4,4.0b
ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.2km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=9.2km az=74.0.
ISC XI 08 04 16 46.5–.36 7.93N–.03 126.72E–.04 61–3 4.7b 379 0-163
DJA XI 08 04 16 41.0–1.1 8N–9.0 127E–4.0 92–12 5.4,5.3b **¶621372556**
GFZ XI 08 04 16 44.2–.26 8N–3.0 127E–5.0 61 5.2L,5.0b
BJI XI 08 04 16 44.1 7.65N 126.81E 75 4.6b,5.0b
MAN XI 08 04 16 44.6 7.94N 126.80E 28 5.5b,4.8s
NEIC XI 08 04 16 47.2–2.0 7.95N–.07 126.69E–.08 61–6 4.8b,4.8s
IDC XI 08 04 16 49.4–1.1 7.99N 126.63E 86–10 4.5,4.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe. INTENSITY III - COMPOSTELA MACO MONKAYO AND NABUNTURAN DAVAO DE ORO; CITY OF PANABO DAVAO DEL NORTE; BAGANGA AND CATEEL DAVAO ORIENTAL.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.6km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.1km s-min=8.5km az=82.0.
IDC XI 08 17 34 20.9–2.4 7.15N 126.60E 0 3.6b,3.6
¶621423113
IDC Error ellipse: s-maj=232.9km s-min=25.7km az=66.0.
IDC XI 20 03 19 59.3–2.1 6.66N 126.40E 0 3.5b,3.5
¶621590334
IDC Error ellipse: s-maj=147.5km s-min=27.0km az=69.0.
ISC XI 09 15 37 57.0–.79 5.79N–.04 126.67E–.05 59–8 4.2b,3.0s 153 1-92
MAN XI 09 15 37 53.9 5.87N 126.72E 19 5.2b,4.3s **¶621385506**
DJA XI 09 15 37 55.4–.70 6N–5.0 127E–5.0 10 5.0b,4.8b
GFZ XI 09 15 37 56.5–.58 6N–5.0 127E–4.0 54–5 4.9b,4.6
IDC XI 09 15 37 56.5–2.1 5.50N 125.88E 50–20 4.0,3.7b
NEIC XI 09 15 37 56.5–.72 5.89N–.08 126.7E–.10 51–9 4.4b,3.7b
ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 12 15 59 07.0–1.2 5.53N 126.26E 0 3.5b,3.5
¶621460217
IDC Error ellipse: s-maj=71.0km s-min=22.0km az=76.0.
ISC XI 13 13 30 33.7–.85 5.78N–.03 126.68E–.05 69–8 4.2b 155 1-145
DJA XI 13 13 30 31.1–.90 6N–6.0 127E–3.0 14–11 5.0b,4.5b **¶621402815**
MAN XI 13 13 30 31.4 5.78N 126.74E 45 5.0b,4.0s
NEIC XI 13 13 30 32.9–2.0 5.86N–.05 126.78E–.09 58–6 4.4b,4.0s
IDC XI 13 13 30 33.4–1.5 5.80N 126.84E 67–13 4.1,3.8b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=2.4km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.7km s-min=8.3km az=61.0.
ISC XI 16 17 53 10.9–.59 6.32N–.03 126.90E–.04 96–5 4.5b 315 1-90
IDC XI 16 17 53 12.0–1.3 6.40N 126.98E 103–9 4.3,3.9b **¶621412419**
MAN XI 16 17 53 11.9 6.42N 126.90E 81 5.1b,4.1s
GFZ XI 16 17 53 12.2–.32 6N–3.0 127E–3.0 107–3 5.1,5.0b
NEIC XI 16 17 53 13.0–1.5 6.27N–.06 126.80E–.08 106–6 4.6b,5.0b
DJA XI 16 17 53 13.2–1.0 6N–8.0 127E–5.0 114–16 4.9b,4.8b
ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 11 11 18 16.7–1.6 5.2N–.30 124.4E–.80 35 4.0b 6 23-59
IDC XI 11 11 18 11.8–1.4 5.15N 124.29E 0 4.1b,4.1 **¶621449524**
ISC Event type se.
IDC Error ellipse: s-maj=131.9km s-min=17.6km az=66.0.
ISC XI 16 21 18 27.9–.88 9.74N–.04 126.40E–.06 40–8 3.6b 66 0-86
IDC XI 16 21 18 18.8–1.0 10.43N 127.99E 0 4.8L,3.8 **¶621475695**
MAN XI 16 21 18 28.1 9.69N 126.31E 20 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=15.9km az=90.0.
MAN Event type fe.
ISC XI 18 04 30 18.1–.49 6.71N–.07 123.67E–.09 600 4.2b 68 4-170
DJA XI 18 04 30 18.5–1.2 7N–14 124E–5.0 566–9 4.5,4.4b **¶621532460**
NEIC XI 18 04 30 19.2–1.4 6.7N–.10 123.6E–.10 600–8 4.4b,4.4b
IDC XI 18 04 30 19.2–1.5 6.64N 123.70E 619–18 4.0,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=13.7km az=59.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=50.9km s-min=9.3km az=62.0.
ISC XI 19 20 13 52.5–.23 6.75N–.02 126.98E–.03 56–1 5.4b,4.9s 1425 1-176
MAN XI 19 20 13 48.9 6.86N 127.11E 10 6.1b,5.7s **¶621423307**
BJI XI 19 20 13 49.8 6.65N 126.97E 59 5.3b,5.1s
MOS XI 19 20 13 50.0–.92 6.77N 126.85E 46 5.7b,5.0s
NEIC XI 19 20 13 51.2–1.8 6.80N–.06 127.01E–.06 40–4 5.4b,5.0s
NEIC XI 19 20 13 52.7 6.98N 127.37E 30 5.4,5.0s
GFZ XI 19 20 13 52.0 6.79N 126.95E 27 5.3W,5.0s
NEIC XI 19 20 13 52.5 6.78N 126.96E 53 5.3W,5.0s
IDC XI 19 20 13 53.6–1.0 6.80N 127.03E 64–8 5.2,4.9b
DJA XI 19 20 13 54.9–.30 7N–2.0 127E–1.0 63–2 5.8b,5.7
GFZ XI 19 20 13 54.9–.10 7N–2.0 127E–2.0 69 5.9,5.8
GCMT XI 19 20 13 54.4–.10 6.71N–.01 127.11E–.01 27–0 5.5W,5.8
ISC Event type se.
MAN Event type fe. INTENSITY II - BAGANGA CARAGA MANAY AND TARRAGONA DAVAO ORIENTAL; . INTENSITY I - CITY OF DIGOS DAVAO DEL SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.20 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.83 NP1:ϕ_s191.16000°,δ27.21000°,λ90.96000°. NP2:ϕ_s10.08000°,δ62.80000°,λ89.51000°. Principal axes:
T 1.4641,Plg72.0000°,Azm279.0000°; N -0.0476,Plg0.0000°,Azm10.0000°
; P -1.4165,Plg18.0000°,Azm100.0000° $M_0$1.44000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-1.10 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.54 NP1:
ϕ_s183.84940°,δ31.61602°,λ74.85103°. NP2:ϕ_s21.48611°,δ59.60177°,λ99.13897°.
Principal axes: T 1.2706,Plg73.7315°,Azm315.1209°; N 0.0402,Plg7.8740°,Azm196.8324°
; P -1.3109,Plg14.1439°,Azm104.8352° $M_0$1.29121×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111192013A. Moment Tensor Solution. s96,c145; s137,c256;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.04 $M_{\theta\theta}$0.10±.03; $M_{\phi\phi}$-1.66±.03; $M_{r\theta}$0.39±.04; $M_{\theta\phi}$-0.37±.02; $M_{\phi r}$1.14±.05; Best double couple: NP1: ϕ_s186.00000°,δ27.00000°,λ81.00000°. NP2:ϕ_s16.00000°,δ63.00000°,λ95.00000°. Principal axes: T 1.9600,Plg71.0000°,Azm297.0000°; N 0.1640,Plg4.0000°,Azm194.0000° ; P -2.1230,Plg18.0000°,Azm103.0000° $M_0$2.04200×10^{17}
ISC XI 10 01 24 35.8–.85 5.80N–.05 126.49E–.08 71 3.6b 25 2-88
DJA XI 10 01 24 34.9–1.2 6N–6.0 126E–5.0 16–13 4.4b,4.3 **¶621440038**
IDC XI 10 01 24 38.1–1.6 5.64N 126.14E 98–15 3.7,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=122.1km s-min=17.3km az=67.0.
ISC XI 19 09 30 01.0–2.1 6.1N–.40 126.8E–.40 35 3.5b 6 1-60
IDC XI 19 09 29 54.5–1.2 6.45N 127.10E 0 3.6b,3.6 **¶621590274**
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=16.1km az=52.0.
ISC XI 19 09 34 38.9–1.6 6.92N–.09 125.02E–.09 13 3.7b 19 1-40
IDC XI 19 09 34 30.9–1.9 7.42N 124.45E 0 3.7b,3.7 **¶621590275**
DJA XI 19 09 34 42.4–.60 7N–4.0 125E–4.0 10 4.9b,4.7b
ISC Event type se.
ISC XI 20 00 16 13.0–.96 6.5N–.20 126.4E–.20 100 3.5b 11 1-59
IDC XI 20 00 16 13.6–1.5 6.54N 126.39E 106–12 3.5,3.2b **¶621590326**
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=16.0km az=71.0.
MAN XI 20 19 49 20.7 5.92N 126.95E 37 5.0b,4.0s
¶635804848
MAN Event type fe.
IDC XI 20 13 18 21.5–1.2 6.02N 125.07E 0 3.5b,3.5
¶621590360
IDC Error ellipse: s-maj=35.2km s-min=15.6km az=99.0.
ISC XI 23 08 09 43.3–.42 9.07N–.03 126.47E–.04 64–3 4.8b 412 0-164
BJI XI 23 08 09 37.9 8.53N 126.60E 58 4.8b,4.7b **¶621448785**
DJA XI 23 08 09 38.2–.70 9N–6.0 127E–5.0 10 5.5,5.3b
MAN XI 23 08 09 40.8 8.99N 126.47E 22 5.3b,4.5s
GFZ XI 23 08 09 42.0–1.1 9N–6.0 127E–7.0 54–9 5.2b,5.1L
IDC XI 23 08 09 42.6–2.1 9.03N 126.40E 60–19 4.7,4.4b
NEIC XI 23 08 09 42.9–1.4 9.04N–.08 126.43E–.09 57–4 4.9b,4.4b
ISC Event type se.
MAN Event type fe. INTENSITY III - BAYABAS CAGWAIT MARIHATAG SAN MIGUEL AND TAGO SURIGAO DEL SUR; . INTENSITY II - LANUZA CORTES AND HINATUAN SURIGAO DEL SUR; . INTENSITY I - CITY OF BISLIG SURIGAO DEL SUR.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 20 22 42 58.9–.29 6.67N–.03 126.66E–.03 103–2 5.0b 1018 0-163
MAN XI 20 22 42 55.3 6.58N 126.86E 83 5.6b,5.0s **¶621427824**
BJI XI 20 22 42 57.8 6.70N 126.60E 100 4.9b,4.9b
IDC XI 20 22 42 58.2–.86 6.71N 126.79E 98–7 4.9,4.5b
GCMT XI 20 22 42 58.6–.20 6.54N–.02 126.62E–.02 72–1 4.9W,4.5b
DJA XI 20 22 42 58.7–.30 7N–2.0 127E–2.0 93–2 5.5b,5.5
NEIC XI 20 22 42 58.5–1.4 6.70N–.07 126.70E–.06 95–3 5.0b,5.5
GFZ XI 20 22 42 58.4–.32 7N–2.0 127E–3.0 94–2 5.5,5.4b
ISC Event type se.
MAN Event type fe. INTENSITY III - TARRAGONA DAVAO ORIENTAL; . INTENSITY II - CITY OF DIGOS DAVAO DEL SUR; . INTENSITY I - GOVERNOR GENEROSO DAVAO ORIENTAL.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111202242A. Moment Tensor Solution. s54,c64; s102,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.05±.09 $M_{\theta\theta}$-0.37±.08; $M_{\phi\phi}$2.42±.09; $M_{r\theta}$0.34±.05; $M_{\theta\phi}$0.99±.08; $M_{\phi r}$-1.37±.06; Best double couple: NP1:ϕ_s219.00000°,δ36.00000°,λ-55.00000°. NP2:ϕ_s359.00000°,δ61.00000°,λ-112.00000°. Principal axes: T 3.0300,Plg14.0000°,Azm105.0000°; N -0.4300,Plg19.0000°,Azm10.0000° ; P -2.6040,Plg66.0000°,Azm228.0000° $M_0$2.81700×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC XI 21 19 47 56.2–2.1 5.92N 123.78E 0 3.5b,3.5
¶621608929
IDC Error ellipse: s-maj=165.6km s-min=26.3km az=66.0.
ISC XI 21 19 52 15.0–.81 9.61N–.09 126.1E–.20 67 3.7b 11 3-86
IDC XI 21 19 52 07.2–.89 9.71N 126.13E 0 4.2L,3.9 **¶621608930**
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=12.5km az=84.0.
ISC XI 24 10 24 27.5–1.2 5.5N–.20 125.9E–.70 100 3.7b 8 2-65
IDC XI 24 10 24 27.0–4.0 5.38N 125.54E 91–45 3.7,3.4b **¶621613973**
ISC Event type se.
IDC Error ellipse: s-maj=113.8km s-min=16.3km az=69.0.
DJA XI 28 21 08 13.0–.60 5N–4.0 127E–4.0 119–8 4.1b,3.9
¶626705880
IDC XI 28 01 57 19.3–2.6 9.99N 125.78E 0 3.5b,3.5
¶621625155
IDC Error ellipse: s-maj=184.9km s-min=22.8km az=69.0.
ISC XI 25 21 38 31.0–.94 5.95N–.04 126.79E–.06 78–8 4.1b 119 1-90
IDC XI 25 21 38 30.9–2.0 6.09N 126.96E 78–17 4.0,3.6b **¶621618726**
NEIC XI 25 21 38 31.3–.86 6.06N–.07 126.9E–.10 78–9 4.2b,3.6b
DJA XI 25 21 38 31.8–1.2 6N–9.0 127E–7.0 88–28 4.7,4.7b
MAN XI 25 21 38 32.3 6.11N 126.65E 22 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=11.0km az=58.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=6.1km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC XI 26 23 10 57.9–3.3 9.71N 126.95E 0 3.7b,3.7
¶621622033
IDC Error ellipse: s-maj=288.8km s-min=21.9km az=67.0.
ISC XI 30 07 44 38.5–.97 6.2N–.20 126.9E–.20 83 3.9b 10 2-83
IDC XI 30 07 44 36.5–4.5 6.21N 127.06E 62–40 4.0,3.7b **¶621627031**
ISC Event type se.
IDC Error ellipse: s-maj=57.3km s-min=13.4km az=65.0.
ISC XI 30 00 56 07.2–.29 6.66N–.02 126.13E–.03 60–2 5.2b,4.3s 809 0-169
BJI XI 30 00 56 02.2 6.34N 126.56E 60 5.4b,5.2b **¶621499075**
MAN XI 30 00 56 05.5 6.67N 126.16E 43 5.8b,5.2s
NEIC XI 30 00 56 07.5–1.7 6.74N–.06 126.12E–.07 58–4 5.2b,5.2s
GFZ XI 30 00 56 07.3–.12 7N–2.0 126E–3.0 53 5.8L,5.5b
NEIC XI 30 00 56 07.6 6.72N 126.10E 59 5.8L,5.5b
IDC XI 30 00 56 07.2–.77 6.73N 126.13E 58–6 5.0,4.7b
DJA XI 30 00 56 08.3–.80 7N–8.0 126E–2.0 12–11 5.7,5.6b
GCMT XI 30 00 56 08.5–.10 6.82N–.01 126.10E–.01 74–1 5.2W,5.6b
NEIC XI 30 00 56 10.1 6.82N 126.30E 60 5.1,5.6b
ISC Event type se.
MAN Event type fe. INTENSITY IV - CITY OF MATI; BANAYBANAY GOVERNOR GENEROSO AND TARRAGONA DAVAO ORIENTAL; MACO AND PANTUKAN DAVAO DE ORO; . INTENSITY III - CITY OF DAVAO; CITY OF TAGUM DAVAO DEL NORTE; CITY OF KORONADAL SOUTH COTABATO; LUPON AND SAN ISIDRO DAVAO ORIENTAL; SANTA MARIA DAVAO OCCIDENTAL; ROSARIO AGUSAN DEL SUR; ; . INTENSITY II - CITY OF KIDAPAWAN MAGPET AND MAKILALA COTABATO; COMPOSTELA AND NABUNTURAN DAVAO DE ORO; TUPI SOUTH COTABATO; . INTENSITY I - CITY OF GENERAL SANTOS; TANTANGAN SOUTH COTABATO.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.5km az=53.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=7.5km az=73.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111300056A. Moment Tensor Solution. s90,c144; s115,c205;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.87±.16 $M_{\theta\theta}$1.78±.14; $M_{\phi\phi}$1.08±.16; $M_{r\theta}$-1.78±.10; $M_{\theta\phi}$5.21±.13; $M_{\phi r}$5.54±.11; Best double couple: NP1:ϕ_s82.00000° ,δ46.00000°,λ-22.00000°. NP2:ϕ_s188.00000°,δ74.00000°,λ-134.00000°. Principal axes: T 7.4380,Plg17.0000°,Azm308.0000°; N 1.3510,Plg42.0000°,Azm202.0000° ; P -8.7990,Plg43.0000°,Azm56.0000° M_o8.11900×10^{16}

NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.06 $M_{\theta\theta}$0.87 $M_{\phi\phi}$1.19 $M_{r\theta}$-0.97 $M_{\theta\phi}$3.69 $M_{\phi r}$4.15 NP1:ϕ_s79.22000°,δ42.36000° ,λ-21.12000°. NP2:ϕ_s185.15000°,δ75.95000°,λ-130.39000°. Principal axes: T 5.6081,Plg21.0000°,Azm304.0000°; N 0.5762,Plg39.0000°,Azm197.0000° ; P -6.1843,Plg44.0000°,Azm56.0000° M_o5.92000×10^{16}

IDC XII 01 13 48 42.7–2.9 6.89N 126.65E 0 3.3b,3.3 ¶621629817

IDC Error ellipse: s-maj=267.5km s-min=25.2km az=67.0.

ISC XII 03 03 36 33.5–.65 9.02N–.07 126.6E–.20 200 3.9b 31 2-87

NEIC XII 03 03 36 13.1–1.7 9.41N–.06 127.1E–.10 10–1 4.2b ¶621630557

IDC XII 03 03 36 31.9–2.2 9.04N 126.67E 183–22 4.0,3.5b

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=23.1km s-min=5.3km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=41.3km s-min=15.8km az=69.0.

IDC XII 07 17 52 44.8–2.9 5.61N 125.86E 53–37 3.5s,3.4 ¶621632684

IDC Error ellipse: s-maj=92.0km s-min=19.2km az=73.0.

ISC XII 03 15 58 09.8–1.1 5.6N–.10 125.9E–.50 116 3.7b 9 1-60

IDC XII 03 15 58 09.5–1.4 5.57N 125.96E 107–16 3.9,3.4b ¶621630607

ISC Event type se.

IDC Error ellipse: s-maj=83.7km s-min=14.5km az=70.0.

IDC XII 06 19 18 28.7–7.6 6.07N 125.16E 513–108 3.8,2.9b ¶621632618

IDC Error ellipse: s-maj=134.4km s-min=21.4km az=69.0.

ISC XII 07 18 58 15.3–.42 5.31N–.04 126.13E–.06 116 4.0b 108 1-84

NEIC XII 07 18 58 13.8–1.6 5.33N–.05 126.01E–.10 94–7 4.3b ¶621632688

DJA XII 07 18 58 14.8–.50 5N–4.0 126E–3.0 97–10 5.0b,4.7

IDC XII 07 18 58 15.4–1.1 5.30N 125.88E 116–11 4.0,3.7s

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.1km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=38.5km s-min=10.6km az=77.0.

ISC XII 08 14 01 21.9–.63 9.85N–.07 126.2E–.20 150 3.8b 20 3-146

IDC XII 08 14 01 22.9–2.8 9.91N 126.14E 160–26 4.0,3.5b ¶621634709

ISC Event type se.

IDC Error ellipse: s-maj=33.1km s-min=12.8km az=69.0.

ISC XII 09 13 11 11.5–.39 9.93N–.05 126.00E–.08 150 4.3b 76 3-120

NEIC XII 09 13 11 06.3–2.3 10.06N–.07 126.01E–.03 89–7 4.6b ¶621625212

IDC XII 09 13 11 12.3–1.9 9.90N 126.09E 149–19 4.2,3.7b

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=9.8km s-min=4.3km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=28.8km s-min=14.2km az=69.0.

ISC XII 08 22 45 42.9–.40 5.14N–.05 125.39E–.06 35 4.4b 115 2-122

DJA XII 08 22 45 43.9–.40 5N–4.0 125E–3.0 10 5.2b,4.6 ¶621634756

IDC XII 08 22 45 46.3–1.8 5.13N 125.44E 73–15 4.1,3.8b

NEIC XII 08 22 45 46.7–.77 5.15N–.06 125.38E–.09 68–8 4.4b,3.8b

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC XII 09 09 17 00.1–1.8 5.90N 126.64E 0 3.7b,3.7 ¶621636568

IDC Error ellipse: s-maj=167.5km s-min=22.6km az=66.0.

IDC XII 09 00 21 32.2–7.6 9.82N 126.29E 0 3.9b,3.9 ¶621636540

IDC Error ellipse: s-maj=218.9km s-min=155.3km az=71.0.

ISC XII 09 15 59 22.1–.64 9.91N–.09 125.7E–.20 10 4.0b 32 14-94

NEIC XII 09 15 59 21.8–1.8 9.9N–.10 125.9E–.10 10–1 4.1b ¶621636581

IDC XII 09 15 59 21.7–.90 10.03N 125.95E 0 3.9b,3.9

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=18.5km s-min=16.7km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=39.1km s-min=19.5km az=69.0.

ISC XII 10 13 48 49.3–1.0 5.11N–.09 125.3E–.30 35 3.9b 9 2-65

IDC XII 10 13 48 44.5–.86 5.12N 125.21E 0 3.8b,3.8 ¶621644132

ISC Event type se.

IDC Error ellipse: s-maj=41.2km s-min=14.2km az=78.0.

IDC XII 09 15 08 11.8–3.2 8.99N 121.89E 0 3.7s,3.3b ¶621636577

IDC Error ellipse: s-maj=411.4km s-min=29.8km az=63.0.

ISC XII 10 17 09 13.9–.76 5.15N–.04 126.89E–.05 106–7 4.3b 136 1-91

IDC XII 10 17 09 14.0–1.9 5.25N 127.09E 106–16 4.3,4.0b ¶621627198

NEIC XII 10 17 09 13.5–1.6 5.18N–.06 126.91E–.09 93–7 4.4b,4.0b

DJA XII 10 17 09 15.3–.50 5N–3.0 127E–3.0 105–7 4.8b,4.4

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC XII 10 12 49 01.3–1.6 5.81N 123.55E 0 4.0b,4.0 ¶621644130

IDC Error ellipse: s-maj=162.2km s-min=18.9km az=66.0.

ISC XII 12 18 40 52.4–.99 8.2N–.20 122.2E–.30 32 4.2s,3.5b 7 6-97

IDC XII 12 18 40 47.7–1.1 8.24N 122.25E 0 3.7b,3.7s ¶621650530

ISC Event type se.

IDC Error ellipse: s-maj=46.1km s-min=22.4km az=68.0.

ISC XII 12 16 20 29.9–1.1 6.3N–.10 125.4E–.40 35 3.4b 6 1-83

IDC XII 12 16 20 25.0–1.2 6.21N 125.04E 0 3.4b,3.4 ¶621650519

ISC Event type se.

IDC Error ellipse: s-maj=38.9km s-min=14.2km az=107.0.

ISC XII 13 16 23 38.0–.90 6.4N–.10 126.6E–.10 50 4.1b 21 1-83

NEIC XII 13 16 23 38.3–.39 6.38N–.10 126.6E–.10 47–10 4.5b ¶621650581

IDC XII 13 16 23 38.5–4.7 6.34N 126.61E 61–41 4.1L,3.6

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=20.0km s-min=9.2km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=80.7km s-min=21.0km az=65.0.

ISC XII 13 08 03 00.0–.49 8.55N–.06 126.84E–.09 50 4.2b 53 2-95

IDC XII 13 08 02 54.3–.75 8.59N 126.77E 0 4.1b,4.0 ¶621650563

NEIC XII 13 08 02 59.1–1.1 8.57N–.07 126.78E–.09 35–2 4.3b,4.0

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 14 01 14 25.2–.87 5.60N–.04 126.82E–.08 125–7 4.3b 76 2-66

NEIC XII 14 01 14 23.9–1.7 5.72N–.10 127.0E–.10 109–7 4.5b ¶621652850

IDC XII 14 01 14 24.4–2.8 5.72N 127.01E 117–21 4.1,3.7b

DJA XII 14 01 14 25.6–.40 6N–3.0 127E–3.0 121–8 5.1b,4.6

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC XII 13 18 44 16.4–2.3 9.78N 126.58E 0 4.0b,4.0 ¶621650594

IDC Error ellipse: s-maj=158.4km s-min=45.4km az=70.0.

ISC XII 14 02 23 45.1–.54 5.17N–.08 125.5E–.20 39–6 4.2b,2.9s 49 2-90

NEIC XII 14 02 23 42.7–1.7 5.19N–.05 125.7E–.20 19–5 4.3b,2.9s ¶621629149

IDC XII 14 02 23 44.8–3.5 5.09N 125.38E 35–28 4.0,3.8b

DJA XII 14 02 23 45.0–.90 6N–8.0 127E–7.0 49–63 5.4b,4.8

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 17 21 33 54.1–.68 8.71N–.08 126.4E–.10 100 3.8b 19 2-95

IDC XII 17 21 33 54.3–2.4 8.72N 126.39E 102–24 3.8,3.5b ¶621656957

ISC Event type se.

IDC Error ellipse: s-maj=29.5km s-min=16.4km az=68.0.

ISC XII 20 18 51 18.4–1.4 5.9N–.30 127.0E–.50 83 3.9b 13 27-66

IDC XII 20 18 51 09.3–1.4 5.49N 125.97E 0 3.6b,3.6 ¶621685635

ISC Event type se.

IDC Error ellipse: s-maj=155.8km s-min=19.4km az=68.0.

ISC XII 18 00 18 57.8–.78 5.1N–.10 126.9E–.20 35 4.2b 23 2-84

IDC XII 18 00 18 52.4–1.0 5.01N 126.67E 0 3.8b,3.8 ¶621656959

NEIC XII 18 00 18 58.1–1.3 5.1N–.10 126.9E–.20 35–2 4.4b,3.8

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC XII 21 20 28 57.3–3.6 9.10N 125.45E 0 3.3b,3.3 ¶621685705

IDC Error ellipse: s-maj=320.9km s-min=27.4km az=65.0.

IDC XII 20 21 34 23.8–2.2 7.47N 125.27E 0 3.9b,3.9 ¶621685646

IDC Error ellipse: s-maj=218.2km s-min=20.9km az=65.0.

ISC XII 21 02 55 14.5–.45 5.44N–.04 126.21E–.06 100 4.3b 93 1-95

IDC XII 21 02 55 03.1–.72 5.28N 125.92E 0 4.3L,4.2b ¶621685659

NEIC XII 21 02 55 12.2–1.6 5.38N–.03 126.2E–.10 70–7 5.0b,4.2b

DJA XII 21 02 55 16.3–.40 5N–3.0 126E–3.0 67–18 5.3b,5.0b

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 25 14 25 25.6–.54 6.88N–.04 126.66E–.05 85–4 4.6b 315 1-163

BJI XII 25 14 25 22.2 7.00N 126.70E 61 5.2b,4.7b ¶621653355

GFZ XII 25 14 25 23.6–.27 7N–3.0 127E–5.0 63 5.8,5.6

NEIC XII 25 14 25 24.6–2.1 6.95N–.08 126.62E–.07 68–5 4.7b,5.6

DJA XII 25 14 25 26.5–.50 7N–4.0 127E–2.0 85–5 5.2b,5.2

IDC XII 25 14 25 26.7–.93 6.95N 126.67E 90–8 4.5,4.1b

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.3km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=14.8km s-min=8.5km az=65.0.

ISC XII 23 03 01 28.7–.48 5.78N–.06 124.02E–.08 500 3.8b 64 2-160

NEIC XII 23 03 01 30.6–1.0 5.80N–.06 124.0E–.10 517–7 4.3b ¶621686800

IDC XII 23 03 01 30.4–1.6 5.79N 124.11E 522–17 3.9,3.0b

DJA XII 23 03 01 31.7–1.7 6N–13 124E–6.0 497–20 4.6b,4.6

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC XII 26 16 54 08.5–2.3 6.34N 126.17E 0 3.7b,3.7 ¶621700234

IDC Error ellipse: s-maj=230.0km s-min=22.2km az=66.0.

ISC XII 26 20 54 08.8–1.7 6.1N–.30 125.9E–.50 10 3.6b 6 27-59

IDC XII 26 20 54 07.4–1.4 6.07N 125.84E 0 3.8b,3.8 ¶621700253

ISC Event type se.

IDC Error ellipse: s-maj=85.3km s-min=19.7km az=63.0.

ISC XII 26 21 40 17.8–.47 5.96N–.06 126.78E–.08 120 4.4b 95 2-90

DJA XII 26 21 40 17.8–.80 6N–6.0 127E–4.0 134–12 4.9b,4.8b ¶621653693

NEIC XII 26 21 40 18.5–.75 5.95N–.08 126.70E–.09 120–7 4.4b,4.8b

IDC XII 26 21 40 20.4–1.4 6.01N 126.56E 137–10 4.2,3.8b

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.3km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=34.3km s-min=13.0km az=73.0.

ISC XII 29 08 06 33.6–.80 5.99N–.04 126.30E–.07 87–7 4.4b 131 1-163

DJA XII 29 08 06 32.4–.40 6N–3.0 126E–4.0 10 5.2b,5.2b ¶621656500

NEIC XII 29 08 06 33.6–2.0 5.96N–.06 126.29E–.10 79–6 4.5b,5.2b

IDC XII 29 08 06 34.4–1.0 5.95N 126.17E 94–7 4.2,3.9b

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.5km s-min=6.5km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=27.4km s-min=10.2km az=71.0.

ISC XII 28 04 51 33.6–.55 6.08N–.09 123.7E–.10 600 3.9b 53 5-88

IDC XII 28 04 51 34.7–1.3 6.14N 123.77E 613–17 4.2,3.2b ¶621717365

NEIC XII 28 04 51 34.7–1.4 6.1N–.10 123.7E–.10 607–10 4.1b,3.2b

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 28 20 29 34.2–1.7 9.7N–.50 126E–1.0 10 3.7b 7 31-86

IDC XII 28 20 29 33.1–1.7 9.55N 125.71E 0 3.7b,3.7 ¶621717416

ISC Event type se.

IDC Error ellipse: s-maj=180.9km s-min=20.1km az=68.0.

ISC XII 27 00 58 23.4–.99 9.4N–.20 125.8E–.50 67 3.4b 7 30-95

IDC XII 27 00 58 14.7–1.1 9.48N 125.82E 0 3.7b,3.6 ¶621717274

ISC Event type se.

IDC Error ellipse: s-maj=87.4km s-min=22.6km az=69.0.

ISC XII 31 13 58 24.8–.42 8.99N–.05 126.01E–.09 10 4.3b 56 2-145

NEIC XII 31 13 58 24.3–1.6 9.03N–.07 126.03E–.06 5–4 4.4b ¶621726063

IDC XII 31 13 58 24.6–.65 8.99N 126.10E 0 4.0b,3.9

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.6km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=28.7km s-min=13.0km az=87.0.

IDC XII 29 15 15 25.3–1.4 6.07N 124.07E 0 3.3b,3.3 ¶621724225

IDC Error ellipse: s-maj=30.9km s-min=21.6km az=125.0.

ISC XII 31 18 17 36.8–.74 7.16N–.05 126.79E–.06 53–6 4.5b,3.4s 166 1-163

DJA XII 31 18 17 32.5–1.0 8N–8.0 127E–5.0 124–8 4.9,4.9b ¶621657758

IDC XII 31 18 17 35.7–.72 7.21N 126.95E 44–6 4.7L,4.2

NEIC XII 31 18 17 37.1–1.9 7.20N–.07 126.84E–.06 51–4 4.6b,4.2

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(260) East of Philippine Islands.

ISC VII 16 23 29 18.8–.26 14.16N–.03 128.24E–.04 10 5.0b,3.8s 595 4-164

IDC VII 16 23 29 16.3–.39 14.14N 128.34E 0 4.8L,4.7b ¶625560843

GFZ VII 16 23 29 19.8–.18 14N–2.0 128E–4.0 10 5.2b,5.0

NEIC VII 16 23 29 19.6–2.0 14.15N–.06 128.2E–.10 10–1 5.0,5.0b

DJA VII 16 23 29 20.9–.20 14N–2.0 128E–3.0 10 6.3,5.6b

GCMT VII 16 23 29 20.5–.20 14.20N–.01 128.19E–.01 24–1 5.0W,5.6b

BJI VII 16 23 29 21.7 14.24N 128.32E 43 5.0b,4.9b

MAN VII 16 23 29 23.8 14.10N 127.90E 66 5.6b,4.9s

ISC Event type se.

IDC Error ellipse: s-maj=14.3km s-min=7.9km az=80.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=16.4km s-min=9.7km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107162329A. Moment Tensor Solution. s59,c81; s114,c189; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.43±.12 $M_{\theta\theta}$1.31±.08; $M_{\phi\phi}$-1.74±.10; $M_{r\theta}$-0.83±.12; $M_{\theta\phi}$-3.17±.07; $M_{\phi r}$-0.64±.12; Best double couple: NP1:ϕ_s346.00000° ,δ76.00000°,λ-4.00000°. NP2:ϕ_s77.00000°,δ86.00000°,λ-166.00000°. Principal axes: T 3.3500,Plg7.0000°,Azm211.0000°; N 0.6060,Plg75.0000°,Azm91.0000° ; P -3.9550,Plg13.0000°,Azm303.0000° M_o3.65200×10^{16}

MAN Event type fe.

IDC IX 20 23 35 50.6–2.6 6.41N 128.02E 0 3.8b,3.8 ¶621116010

IDC Error ellipse: s-maj=247.6km s-min=33.2km az=68.0.
ISC VIII 14 22 12 49.4–1.5 6.7N–.20 128.3E–.10 35 4.1b 7 3-66
IDC VIII 14 22 12 44.2–1.4 6.78N 128.37E 0 3.9b,3.9 **¶621013572**
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=24.7km az=24.0.
ISC IX 21 21 33 53.0–.86 5.45N–.06 128.05E–.07 10 4.0b 50 2-118
IDC IX 21 21 33 51.7–1.1 5.27N 127.92E 0 3.9,3.8L **¶621116049**
NEIC IX 21 21 33 54.0–1.1 5.3N–.20 128.1E–.20 10–2 4.1b,3.8L
DJA IX 21 21 33 53.9–.70 5N–5.0 128E–4.0 10 4.3,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 15 05 13 51.7–473 20.53N 126.66E 0
¶621242038
IDC Error ellipse: s-maj=263.9km s-min=145.7km az=73.0.

SEISMIC REGION 23.
Borneo-Sulawesi.

(261) Borneo.

DJA VIII 05 09 46 11.0–.60 4N–4.0 118E–6.0 17–4 5.5b,5.0
¶626187886
IDC VIII 23 13 43 45.6–1.9 1.25S 116.77E 0 3.6b,3.6
¶621049244
IDC Error ellipse: s-maj=202.2km s-min=27.0km az=58.0.
ISC X 22 22 24 13.1–.52 1.47S–.06 115.78E–.03 10 4.1b 59 1-95
DJA X 22 22 24 11.5–.40 1S–4.0 116E–2.0 10 4.2b,4.2 **¶621309352**
IDC X 22 22 24 12.0–1.2 1.41S 115.97E 0 3.9b,3.9
NEIC X 22 22 24 13.1–1.4 1.51S–.05 115.81E–.05 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA IX 15 10 26 22.5–.90 4N–5.0 118E–4.0 10–4 3.6b,3.6
¶626358456
DJA IX 14 02 14 20.3–.80 1N–4.0 118E–6.0 16–9 3.7,3.7
¶626358394
DJA IX 21 12 29 48.2–.30 3N–2.0 118E–4.0 10 5.4b,4.9
¶626358746
ISC XII 29 18 09 05.8–.47 3.75N–.05 117.81E–.06 10 4.2b 91 0-86
NEIC XII 29 18 09 05.0–1.5 3.55N–.07 117.70E–.04 10–1 4.3b **¶621724238**
DJA XII 29 18 09 07.5–.70 4N–3.0 118E–3.0 14–5 5.1,5.1b
IDC XII 29 18 09 14.8–4.5 3.28N 117.06E 82–45 4.2L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.9km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.2km s-min=15.7km az=58.0.

(262) Celebes Sea.

ISC VII 04 22 13 39.4–.43 3.26N–.06 122.61E–.08 550 4.0b 115 2-126
DJA VII 04 22 13 39.1–.40 3N–6.0 123E–3.0 532–4 4.8b,4.6 **¶620927908**
NEIC VII 04 22 13 39.5–1.2 3.29N–.09 122.6E–.10 544–5 4.4b,4.6
IDC VII 04 22 13 41.0–1.6 3.20N 122.66E 573–23 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=12.8km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=9.5km az=67.0.
ISC VII 06 17 13 37.2–.56 4.28N–.07 124.61E–.10 350 3.8b 41 3-71
NEIC VII 06 17 13 36.1–1.4 4.21N–.05 124.6E–.10 322–8 4.0b **¶620928050**
IDC VII 06 17 13 38.4–8.1 3.99N 124.07E 347–86 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.6km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=93.1km s-min=16.9km az=61.0.
ISC VII 08 20 36 07.9–.50 4.42N–.05 123.53E–.07 512 4.0b 115 2-97
MAN VII 08 20 36 08.4 4.51N 124.48E 583 5.0b,4.0s **¶620928195**
NEIC VII 08 20 36 09.3–1.4 4.40N–.08 123.7E–.20 544–10 4.2b,4.0s
IDC VII 08 20 36 10.0–.80 4.47N 123.69E 549–10 4.3,3.3b
DJA VII 08 20 36 13.0–.70 4N–7.0 124E–4.0 468–8 4.7b,4.6
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 12 07 18 17.1–17 4.91N 123.90E 564–258 4.1,3.1b
¶620928471
IDC Error ellipse: s-maj=261.5km s-min=41.7km az=60.0.
ISC VII 18 16 21 14.3–.41 2.53N–.05 122.22E–.06 559 3.9b 105 2-81
IDC VII 18 16 21 14.0–.99 2.54N 122.28E 548–12 3.9,2.8b **¶620928832**
NEIC VII 18 16 21 13.2–1.1 2.59N–.10 122.2E–.10 531–9 4.3b,2.8b
DJA VII 18 16 21 21.7–.50 2N–5.0 122E–4.0 454–5 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 20 09 47 07.1–1.1 4.4N–.10 124.5E–.30 35 3.8b 7 3-60
IDC VII 20 09 47 02.1–1.0 4.41N 124.44E 0 4.0L,4.0 **¶620961594**
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=14.8km az=90.0.
ISC VII 25 22 01 44.0–.57 2.88N–.07 122.75E–.08 532 3.8b 78 2-117
IDC VII 25 22 01 44.7–4.2 2.95N 122.90E 537–58 3.9,2.9b **¶620973797**
NEIC VII 25 22 01 44.5–1.3 2.9N–.10 122.8E–.20 532–8 4.2b,2.9b
DJA VII 25 22 01 52.0–.80 2N–7.0 122E–4.0 476–7 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 23 11 02 21.2–1.8 4.41N 124.38E 0 3.5b,3.5
¶620967909
IDC Error ellipse: s-maj=126.1km s-min=24.0km az=67.0.
ISC VIII 01 06 18 50.0–.40 3.64N–.04 124.47E–.06 300 4.2b 96 1-123
NEIC VIII 01 06 18 52.0–1.4 3.66N–.09 124.51E–.04 318–9 4.3b **¶620986175**
DJA VIII 01 06 18 52.8–.90 4N–7.0 125E–4.0 305–11 4.8,4.7b
MAN VIII 01 06 18 53.1 3.82N 124.71E 340 5.1b,4.1s
IDC VIII 01 06 18 54.8–2.2 3.54N 124.25E 352–22 4.4,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.2km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=29.7km s-min=7.6km az=65.0.
ISC VIII 08 10 22 13.7–.87 3.25N–.10 123.2E–.30 489 3.5b 10 9-47
IDC VIII 08 10 22 16.0–2.8 3.11N 122.92E 535–51 3.9,2.9b **¶621002125**
ISC Event type se.
IDC Error ellipse: s-maj=56.4km s-min=13.2km az=79.0.
ISC VIII 06 16 08 57.0–.38 4.87N–.04 123.01E–.04 599–4 4.8b 554 2-168
BJI VIII 06 16 08 49.7 4.17N 123.33E 597 4.8b,4.6b **¶620973897**
MAN VIII 06 16 08 53.8 4.74N 123.12E 624 5.4b,4.6s
IDC VIII 06 16 08 57.2–.50 4.86N 122.94E 600–6 4.9,4.0b
GFZ VIII 06 16 08 57.6 4.85N 122.91E 587 4.6W,4.0b
GFZ VIII 06 16 08 57.6–.28 5N–4.0 123E–4.0 585–4 4.9b,4.5
NEIC VIII 06 16 08 58.1–2.0 4.84N–.10 122.9E–.10 603–8 4.8b,4.5
DJA VIII 06 16 08 58.6–1.7 5N–12 123E–6.0 575–22 5.3b,5.2
ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.94 $M_{\theta\theta}$0.98 $M_{\phi\phi}$2.96 $M_{r\theta}$-0.89 $M_{\theta\phi}$0.36 $M_{\theta r}$-9.23 NP1: ϕ_s190.87543°,δ10.32463°,λ-85.03599°. NP2:ϕ_s5.83014°,δ79.71452°,λ-90.90311°. Principal axes: T 9.4386,Plg34.7085°,Azm96.6070°; N 0.9242,Plg0.8886°,Azm5.9914° ; P -10.3628,Plg55.2768°,Azm274.7090° $M_0$9.93299×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 19 17 18 15.3–.49 2.98N–.06 123.06E–.07 450 3.9b 104 2-115
NEIC VIII 19 17 18 17.0–1.6 2.9N–.10 123.0E–.10 477–6 4.2b **¶621039205**
DJA VIII 19 17 18 16.6–.40 3N–4.0 123E–3.0 460–5 4.5,4.5b
IDC VIII 19 17 18 17.3–1.4 2.88N 123.05E 484–18 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=14.0km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.9km s-min=9.1km az=73.0.
ISC VIII 08 15 07 58.6–.96 2.41N–.07 124.66E–.06 250 3.0b 29 1-62
IDC VIII 08 15 07 31.7–1.5 3.01N 125.29E 0 3.5b,3.5 **¶621002134**
DJA VIII 08 15 07 58.4–.50 2N–5.0 125E–3.0 244–6 3.7,3.6
ISC Event type se.
ISC VIII 20 22 21 52.3–.53 3.73N–.07 123.4E–.10 450 3.8b 39 4-86
IDC VIII 20 22 21 46.8–3.8 3.70N 123.17E 390–48 3.9,3.1b **¶621041317**
NEIC VIII 20 22 21 53.4–1.1 3.7N–.10 123.4E–.10 465–10 4.2b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 21 02 54 44.0–2.0 3.64N 124.17E 0 3.9b,3.9
¶621042965
IDC Error ellipse: s-maj=303.8km s-min=20.8km az=64.0.
ISC VIII 27 08 44 05.5–1.3 3.02N–.07 124.73E–.05 35 3.6b 38 1-57
DJA VIII 27 08 44 04.2–1.1 3N–3.0 125E–2.0 15–10 6.1b,5.8 **¶621072132**
IDC VIII 27 08 44 08.7–2.0 2.19N 125.30E 0 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=124.1km s-min=26.5km az=67.0.
ISC VIII 23 12 22 51.6–.46 2.95N–.05 124.43E–.06 323 3.9b 83 1-94
IDC VIII 23 12 22 50.4–12 3.02N 124.41E 306–135 4.6,3.8b **¶621049234**
DJA VIII 23 12 22 51.3–.80 3N–6.0 124E–5.0 332–6 5.1b,4.5
NEIC VIII 23 12 22 52.0–1.4 2.93N–.07 124.43E–.07 323–8 4.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 30 06 12 28.5–2.0 3.52N 123.97E 0 3.5,3.4b
¶621076491
IDC Error ellipse: s-maj=154.0km s-min=26.0km az=67.0.
IDC IX 17 13 45 57.5–2.3 4.65N 123.58E 0 4.0b,4.0
¶621112967
IDC Error ellipse: s-maj=372.0km s-min=20.3km az=64.0.
IDC IX 14 23 02 24.9–2.3 5.73N 121.46E 0 3.5b,3.5
¶621110856
IDC Error ellipse: s-maj=392.9km s-min=27.8km az=62.0.
ISC VIII 31 07 29 04.0–.61 3.25N–.09 123.1E–.20 500 3.9b 34 4-72
NEIC VIII 31 07 29 02.4–1.6 3.4N–.10 123.2E–.20 462–7 4.0b **¶621076588**
IDC VIII 31 07 29 04.1–2.3 3.40N 123.45E 495–30 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=10.5km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.4km s-min=10.8km az=69.0.
ISC IX 14 09 55 46.5–4.5 5.23N–.05 121.89E–.06 14–28 4.3b,2.9s 76 4-95
IDC IX 14 09 55 45.0–.54 5.35N 121.89E 0 5.3L,4.1b **¶621110833**
NEIC IX 14 09 55 46.6–1.2 5.20N–.06 121.85E–.07 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 19 08 05.6–.89 2.86N–.09 122.5E–.10 552 3.4b 29 2-60
IDC X 01 19 08 06.5–3.2 2.91N 122.43E 558–50 3.8,2.7b **¶621147844**
DJA X 01 19 08 08.9–1.0 3N–7.0 123E–4.0 509–13 4.2b,4.2b
ISC Event type se.
ISC IX 23 21 15 01.1–1.1 2.9N–.10 122.9E–.20 489 3.7b 13 4-56
IDC IX 23 21 14 14.8–2.2 3.65N 123.78E 0 3.8b,3.8 **¶621125884**
MAN IX 23 21 14 59.0 2.60N 122.41E 424 5.4b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=314.5km s-min=26.4km az=63.0.
MAN Event type fe.
ISC IX 23 03 52 40.8–.27 3.62N–.04 122.76E–.05 550 4.5b 321 3-150
MAN IX 23 03 52 38.2 3.37N 122.62E 535 5.3b,4.4s **¶621106384**
GFZ IX 23 03 52 40.0–.14 4N–2.0 123E–2.0 533 7.8,7.4
DJA IX 23 03 52 40.6–.20 4N–3.0 123E–2.0 528–3 5.8,5.7
NEIC IX 23 03 52 41.0–1.9 3.54N–.06 122.60E–.09 541–6 4.5b,5.7
IDC IX 23 03 52 41.5–.74 3.60N 122.78E 556–8 4.5,3.5b
ISC Event type fe.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.0km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.6km s-min=5.9km az=70.0.
ISC X 05 08 51 08.5–.30 2.74N–.04 122.36E–.05 550 4.5b 367 2-157
MAN X 05 08 51 05.0 2.53N 122.39E 557 5.5b,4.8s **¶621122778**
DJA X 05 08 51 07.8–.10 3N–2.0 122E–2.0 532–2 5.2,5.0b
NEIC X 05 08 51 08.6–1.8 2.75N–.09 122.3E–.10 543–8 4.5b,5.0b
GFZ X 05 08 51 08.2–.18 3N–3.0 122E–4.0 535 5.2b,4.6
IDC X 05 08 51 09.3–.93 2.71N 122.34E 560–11 4.5,3.6b
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=12.8km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=14.9km s-min=6.3km az=69.0.
IDC X 11 18 12 54.7–1.3 5.42N 122.32E 0 3.5b,3.5
¶621236898
IDC Error ellipse: s-maj=203.0km s-min=22.9km az=67.0.
ISC X 06 15 08 36.1–.93 3.90N–.10 122.93E–.07 500 3.5b 35 3-60
IDC X 06 15 08 34.4–6.0 4.30N 124.19E 513–65 3.9,3.0b **¶621217156**
DJA X 06 15 08 38.1–.90 4N–10 123E–4.0 505–9 4.8b,4.6
ISC Event type se.
ISC X 10 11 32 35.7–.31 3.38N–.05 123.00E–.06 545 4.5b 279 2-125
BJI X 10 11 32 32.9 3.09N 123.14E 547 5.0b,4.8b **¶621144248**
GFZ X 10 11 32 35.7–.14 3N–2.0 123E–3.0 544–2 4.9b,4.3b
NEIC X 10 11 32 36.4–1.4 3.38N–.04 123.0E–.10 548–9 4.6b,4.3b
IDC X 10 11 32 36.7–.88 3.33N 122.99E 557–10 4.6,3.7b
DJA X 10 11 32 37.8–.60 3N–5.0 123E–3.0 520–6 5.2b,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 17 48 09.8–.38 4.34N–.04 123.37E–.06 512 4.3b 171 2-90
DJA X 13 17 48 08.4–.50 4N–5.0 123E–4.0 531–5 4.7b,4.7 **¶621147925**
GFZ X 13 17 48 09.8–.32 4N–4.0 123E–4.0 518–3 4.5b,4.4
NEIC X 13 17 48 09.4–2.1 4.4N–.10 123.4E–.10 503–9 4.4b,4.4
IDC X 13 17 48 11.8–.96 4.34N 123.37E 535–10 4.3,3.4b
ISC Event type se.
GFZ Error ellipse: s-maj=9.1km s-min=7.5km az=147.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=14.3km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=8.7km az=69.0.
ISC X 15 03 30 37.0–.32 3.57N–.04 123.33E–.07 500 4.4b 241 2-149
DJA X 15 03 30 34.7–.50 4N–5.0 123E–3.0 479–5 5.1b,4.9 **¶621202372**

GFZ X 15 03 30 35.5–.16 4N–2.0 123E–3.0 476–2 5.1b,4.7
NEIC X 15 03 30 36.3–1.9 3.58N–.09 123.24E–.10 481–7 4.4b,4.7
IDC X 15 03 30 37.0–1.0 3.56N 123.32E 496–12 4.5,3.6b
ISC Event type se.
GFZ Error ellipse: s-maj=6.0km s-min=4.3km az=100.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=12.7km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=6.2km az=78.0.
IDC XI 08 08 36 05.0–1.5 4.75N 123.46E 0 4.0b,4.0
¶621423092
IDC Error ellipse: s-maj=144.6km s-min=24.6km az=73.0.
ISC X 30 19 22 46.9–.85 2.21N–.07 124.51E–.06 300 3.0b 37 1-62
IDC X 30 19 22 45.9–14 2.14N 124.11E 273–150 3.5,2.9b **¶621395195**
DJA X 30 19 22 47.3–.50 2N–5.0 125E–3.0 282–4 4.0,4.0
ISC Event type se.
ISC XI 07 03 50 45.1–.90 1.03N–.05 119.83E–.05 28 4.3b,4.3s 35 1-98
DJA XI 07 03 50 44.9–.50 1N–4.0 120E–3.0 10 4.1,4.1 **¶621416017**
IDC XI 07 03 50 45.0–14 1.11N 121.16E 0 4.3b,4.3s
NEIC XI 07 03 50 47.1–1.7 1.0N–.10 119.97E–.07 35–2 4.5b,4.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 03 31 31.8–.49 2.88N–.06 124.60E–.07 296 3.7b 69 1-121
NEIC XI 09 03 31 32.5–1.4 3.0N–.10 124.7E–.10 294–8 4.1b **¶621423132**
IDC XI 09 03 31 32.4–2.2 2.88N 124.62E 299–23 4.0,3.3b
DJA XI 09 03 31 32.0–2.0 3N–10 124E–8.0 292–20 5.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 23 06 18.3–.82 2.68N–.09 122.30E–.08 550 3.2b 44 2-60
DJA XI 14 23 06 17.0–.60 3N–7.0 122E–4.0 533–7 4.8b,4.3 **¶621468754**
IDC XI 14 23 06 23.4–17 2.54N 122.51E 631–316 3.8,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=124.5km s-min=29.6km az=98.0.
ISC XI 12 13 09 31.9–1.6 3.8N–.30 124.1E–.80 35 3.8b 6 22-60
IDC XI 12 13 09 26.8–1.4 3.86N 124.23E 0 3.7b,3.7 **¶621460209**
ISC Event type se.
IDC Error ellipse: s-maj=146.4km s-min=18.2km az=68.0.
IDC XI 14 12 48 43.9–2.3 3.65N 123.85E 0 3.3b,3.3
¶621468677
IDC Error ellipse: s-maj=296.5km s-min=26.4km az=63.0.
IDC XI 18 05 22 43.4–23 2.95N 124.52E 0 4.2b,4.2
¶621532465
IDC Error ellipse: s-maj=385.4km s-min=198.8km az=154.0.
ISC XI 17 17 44 25.4–.90 2.05N–.05 124.70E–.05 220–7 3.8b 45 1-58
IDC XI 17 17 44 01.2–1.5 2.50N 125.16E 0 3.9,3.8b **¶621494222**
DJA XI 17 17 44 26.0–.20 2N–2.0 125E–2.0 213 3.9,3.9
ISC Event type se.
IDC XI 29 08 19 06.2–1.6 3.95N 124.62E 0 3.4b,3.4
¶621626961
IDC Error ellipse: s-maj=128.9km s-min=21.1km az=67.0.
ISC XI 23 06 01 53.8–1.0 4.6N–.30 123.0E–.50 582 3.6b 8 27-65
IDC XI 23 06 01 54.0–7.2 4.63N 122.98E 588–110 4.0,3.0b **¶621611942**
ISC Event type se.
IDC Error ellipse: s-maj=88.0km s-min=16.3km az=55.0.
IDC XI 19 13 08 30.9–2.1 4.33N 123.25E 0 4.1b,4.1
¶621590292
IDC Error ellipse: s-maj=342.4km s-min=21.6km az=63.0.
ISC XI 25 03 56 00.6–.44 3.29N–.03 124.14E–.04 381–4 4.6b 535 1-157
BJI XI 25 03 56 00.0 3.40N 124.20E 384 4.8b,4.7b **¶621464958**
DJA XI 25 03 56 01.6–.30 3N–4.0 124E–2.0 358–2 5.2,5.0b
GFZ XI 25 03 56 01.2–.31 3N–3.0 124E–3.0 376–4 5.2b,4.7b
NEIC XI 25 03 56 01.4–1.6 3.32N–.06 124.14E–.07 380–5 4.7b,4.7b
MAN XI 25 03 56 01.0 3.39N 124.30E 388 5.5b,4.7s
IDC XI 25 03 56 01.4–.84 3.32N 124.19E 390–9 4.9,4.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.0km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=10.9km s-min=6.2km az=77.0.
IDC XI 28 21 04 12.5–2.3 4.03N 123.86E 0 3.5b,3.5
¶621625193
IDC Error ellipse: s-maj=350.9km s-min=22.7km az=64.0.
IDC XII 02 14 24 08.0–2.3 4.54N 124.44E 0 3.4b,3.4
¶621629892
IDC Error ellipse: s-maj=224.9km s-min=28.4km az=64.0.
IDC XII 13 19 16 25.1–2.0 2.99N 124.73E 0 3.3b,3.3
¶621650596
IDC Error ellipse: s-maj=207.2km s-min=27.9km az=64.0.
IDC XII 07 20 19 08.7–2.1 3.71N 122.32E 603–20 3.6,2.5b
¶621632695
IDC Error ellipse: s-maj=196.1km s-min=13.8km az=63.0.
ISC XII 17 07 04 23.7–.46 3.29N–.06 122.0E–.10 604 3.9b 94 2-90
NEIC XII 17 07 04 24.0–.69 3.31N–.07 121.9E–.10 604–8 4.1b **¶621631540**
DJA XII 17 07 04 23.3–1.3 3N–13 122E–6.0 606–10 5.8,5.7
IDC XII 17 07 04 24.0–1.2 3.27N 121.99E 611–17 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=1.6km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.8km s-min=8.7km az=76.0.
IDC XII 14 04 57 40.9–2.1 2.66N 124.16E 0 3.7b,3.7
¶621652877
IDC Error ellipse: s-maj=336.2km s-min=22.4km az=64.0.
DJA XII 26 19 48 56.0–1.0 2N–5.0 121E–4.0 14–7 3.6b,3.5
¶626707297
IDC XII 29 00 01 08.5–1.8 3.69N 123.80E 0 3.9b,3.9
¶621724173
IDC Error ellipse: s-maj=142.5km s-min=25.2km az=65.0.

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ISC VII 03 04 48 06.4–1.4 4.9N–.10 127.29E–.08 108 3.5b 15 1-61
IDC VII 03 04 47 54.8–2.3 4.65N 126.82E 0 3.5b,3.5 **¶620927790**
DJA VII 03 04 48 07.9–1.1 5N–9.0 127E–5.0 84–12 3.6b,3.6
ISC Event type se.
ISC VII 04 16 28 32.7–1.2 3.51N–.05 126.52E–.04 43–12 4.2b 66 1-86
IDC VII 04 16 28 26.3–.99 3.22N 125.98E 0 4.1L,3.8b **¶620927887**
NEIC VII 04 16 28 32.0–.97 3.32N–.08 126.05E–.09 35–2 4.3b,3.8b
DJA VII 04 16 28 33.0–.40 4N–4.0 127E–3.0 40–14 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 04 19 20 48.4–.84 3.65N–.05 126.71E–.05 51–9 4.0b 79 0-92
DJA VII 04 19 20 48.7–.30 4N–5.0 127E–2.0 35–9 4.7b,4.3b **¶620927897**
NEIC VII 04 19 20 48.7–2.0 3.64N–.03 126.76E–.10 46–9 4.1b,4.3b
IDC VII 04 19 20 48.4–2.5 3.58N 126.66E 46–29 4.5L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=2.7km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.9km s-min=12.2km az=64.0.
DJA VII 05 23 46 03.7–1.0 5N–9.0 126E–5.0 43–17 3.9b,3.7
¶626066212
IDC VII 08 13 20 48.2–25 4.11N 126.71E 0 3.7b,3.7
¶620928185
IDC Error ellipse: s-maj=426.5km s-min=148.4km az=161.0.

DJA VII 08 20 40 24.7–.50 4N–4.0 127E–4.0 10 4.1b,4.0
¶626066351
ISC VII 08 20 50 13.7–.45 4.28N–.03 126.83E–.05 10 5.0s,4.4b 106 0-92
IDC VII 08 20 50 12.7–.64 4.09N 126.49E 0 4.7s,4.3L **¶620928196**
MAN VII 08 20 50 13.5 3.73N 126.34E 11 5.2b,4.3s
DJA VII 08 20 50 14.8–.50 4N–4.0 127E–3.0 10 5.1b,4.7b
NEIC VII 08 20 50 18.5–1.7 4.17N–.06 126.8E–.10 44–5 4.4b,4.7b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 09 15 11 33.5–1.1 3.1N–.20 128.0E–.30 150 3.7b 10 5-69
IDC VII 09 15 11 33.6–3.0 3.09N 128.05E 152–33 3.7,3.3b **¶620928271**
ISC Event type se.
IDC Error ellipse: s-maj=61.5km s-min=15.4km az=70.0.
DJA VII 10 01 10 37.7–1.1 3N–4.0 127E–3.0 30–12 4.6b,4.0
¶626066422
ISC VII 10 01 18 08.8–1.1 3.08N–.05 126.74E–.05 65–13 3.8b 24 1-58
IDC VII 10 01 18 01.4–1.8 2.95N 126.94E 0 3.8b,3.8 **¶620928297**
DJA VII 10 01 18 06.9–.30 3N–3.0 127E–2.0 10 4.6b,4.1
ISC Event type se.
IDC VII 10 01 56 51.5–1.8 2.28N 125.51E 0 3.5b,3.5
¶620928304
IDC Error ellipse: s-maj=202.0km s-min=22.9km az=65.0.
ISC VII 10 02 20 24.6–.70 3.03N–.05 126.71E–.05 63 4.5b 50 1-73
IDC VII 10 02 20 17.3–1.0 2.70N 126.16E 0 4.4L,4.2b **¶620928305**
DJA VII 10 02 20 22.6–.30 3N–3.0 127E–2.0 10 5.0b,4.8b
NEIC VII 10 02 20 25.6–.80 2.95N–.10 126.7E–.10 63–9 4.4b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 09 52 55.0–.95 3.02N–.06 126.72E–.06 63 3.6b 18 1-91
IDC VII 10 09 52 46.9–1.3 2.97N 126.85E 0 3.6,3.5b **¶620928350**
DJA VII 10 09 52 53.3–.40 3N–4.0 127E–3.0 10 4.6b,3.9
ISC Event type se.
ISC VII 11 04 24 42.5–.75 4.85N–.03 126.15E–.05 92–7 4.2b 114 1-121
MAN VII 11 04 24 40.6 4.76N 126.15E 55 5.2b,4.4s **¶620928404**
IDC VII 11 04 24 42.7–1.4 4.91N 126.13E 93–11 4.1,3.7b
NEIC VII 11 04 24 43.1–1.5 4.90N–.06 126.2E–.10 91–8 4.4b,3.7b
DJA VII 11 04 24 43.0–.40 5N–4.0 126E–3.0 77–7 5.1b,4.9b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 11 19 16 09.5–.00 3.02N–.05 126.62E–.04 76–12 3.1b 28 1-58
IDC VII 11 19 16 01.4–1.7 2.66N 126.03E 0 3.5,3.4b **¶620928440**
DJA VII 11 19 16 09.1–1.0 3N–3.0 127E–2.0 24–10 4.3b,3.7
ISC Event type se.
ISC VII 12 00 02 50.0–.30 3.27N–.03 127.87E–.05 84 4.7b 354 1-121
BJI VII 12 00 02 42.8 2.80N 128.22E 72 4.9b,4.8b **¶620787522**
DJA VII 12 00 02 45.8–.30 3N–3.0 128E–2.0 10 5.2b,5.1b
GFZ VII 12 00 02 47.4–.43 3N–3.0 128E–4.0 45–4 4.9,4.9b
NEIC VII 12 00 02 48.9–1.6 3.25N–.04 127.93E–.07 67–6 4.7b,4.9b
MAN VII 12 00 02 48.5 3.13N 127.55E 130 5.4b,4.6s
IDC VII 12 00 02 48.1–1.4 3.25N 127.90E 70–14 4.6,4.2b
ISC Event type se.
GFZ Error ellipse: s-maj=8.8km s-min=6.0km az=61.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.5km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=7.7km az=68.0.
ISC VII 12 22 31 32.2–1.3 3.2N–.10 127.9E–.10 35 3.5b 12 1-63
DJA VII 12 22 31 17.8–5.0 4N–23 129E–30 204–34 3.5,3.5 **¶620928508**
IDC VII 12 22 31 26.3–2.0 3.44N 128.18E 0 3.5b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=157.4km s-min=22.7km az=68.0.
ISC VII 15 19 38 57.7–.54 3.71N–.06 127.32E–.06 35 4.2b 70 1-84
IDC VII 15 19 38 52.9–.63 3.57N 127.05E 0 4.3L,3.9b **¶620928656**
DJA VII 15 19 38 57.5–.60 4N–8.0 127E–4.0 34–14 4.8b,4.4b
NEIC VII 15 19 38 58.8–2.2 3.68N–.05 127.27E–.08 40–9 4.3b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 01 23 54.0–.60 3.55N–.06 127.31E–.09 35 4.3s,4.0b 47 3-97
IDC VII 18 01 23 48.6–.73 3.57N 127.07E 0 4.2s,4.1L **¶620928797**
MAN VII 18 01 23 51.8 3.37N 127.13E 32 5.0b,4.0s
NEIC VII 18 01 23 55.1–1.4 3.60N–.07 127.3E–.10 48–6 4.1b,4.0s
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 18 39 38.4–.37 3.58N–.04 126.68E–.05 53 4.4b,3.5s 159 1-94
IDC VII 19 18 39 31.4–.52 3.57N 126.40E 0 4.5L,4.3b **¶620834055**
DJA VII 19 18 39 33.4–1.1 4N–11 127E–4.0 10 5.2b,4.9b
MAN VII 19 18 39 35.0 3.34N 126.56E 85 5.4b,4.6s
NEIC VII 19 18 39 39.3–1.6 3.65N–.05 126.72E–.08 64–8 4.5b,4.6s
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VII 23 15 28 35.1–.40 2N–4.0 126E–2.0 96–8 4.2b,4.0
¶626066985
ISC VII 23 20 48 36.9–1.1 4.72N–.05 126.99E–.08 10 33 1-9
DJA VII 23 20 48 36.1–.50 5N–5.0 127E–3.0 10 5.2b,4.6 **¶626066966**
ISC Event type se.
IDC VII 24 10 03 57.8–1.7 4.31N 126.19E 0 4.0L,3.6
¶620970207
IDC Error ellipse: s-maj=78.7km s-min=24.5km az=55.0.
IDC VII 26 10 07 23.1–1.8 4.30N 125.74E 0 3.6b,3.6
¶620973834
IDC Error ellipse: s-maj=179.3km s-min=24.4km az=65.0.
DJA VII 17 12 24 01.2–.50 2N–2.0 126E–2.0 139–6 4.7b,4.0
¶626066734
ISC VII 30 17 52 04.9–.32 3.91N–.03 127.80E–.04 115–2 4.8b 496 1-124
BJI VII 30 17 51 58.5 3.50N 128.12E 104 4.7b **¶620913676**
MAN VII 30 17 52 02.0 3.86N 127.87E 103 5.6b,4.9s
NEIC VII 30 17 52 04.7–1.0 3.93N–.06 127.86E–.08 115–6 4.8b,4.9s
IDC VII 30 17 52 04.4–1.1 3.89N 127.90E 109–10 4.7,4.3b
GFZ VII 30 17 52 06.0–.44 4N–3.0 128E–4.0 127–4 5.1b,5.0
DJA VII 30 17 52 05.5–.20 4N–2.0 128E–1.0 110–2 5.5,5.5b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC VIII 01 21 48 16.4–2.7 4.07N 127.55E 0 3.4b,3.4
¶620986238
IDC Error ellipse: s-maj=211.9km s-min=29.5km az=66.0.
DJA VII 30 11 30 02.9–.70 3N–7.0 128E–5.0 10 4.1b,3.9
¶626067265
IDC VII 30 21 02 44.9–2.7 4.71N 126.33E 0 3.2b,3.2
¶620986092
IDC Error ellipse: s-maj=236.2km s-min=29.3km az=66.0.
ISC VII 30 23 05 08.6–1.6 3.3N–.30 127.1E–.60 44 3.4b 6 21-62
IDC VII 30 23 05 02.9–1.6 3.18N 126.86E 0 3.5b,3.5 **¶620986098**
ISC Event type se.
IDC Error ellipse: s-maj=117.3km s-min=21.1km az=69.0.
ISC VII 30 23 14 26.4–1.6 3.2N–.30 126.9E–.60 44 3.6b 6 21-62

IDC VII 30 23 14 20.5–1.5 3.19N 126.83E 0 3.7,3.6b ¶620986099
ISC Event type se.
IDC Error ellipse: s-maj=107.2km s-min=20.2km az=69.0.
ISC VIII 04 19 11 36.6–.32 4.85N–.03 127.58E–.04 105–2 4.9b 725 1-161
BJI VIII 04 19 11 31.9 4.45N 127.74E 100 4.9b,4.8b ¶620969502
GCMT VIII 04 19 11 35.6–.30 4.71N–.02 127.38E–.02 102–4 4.9W,4.8b
NEIC VIII 04 19 11 36.4–1.3 4.86N–.06 127.52E–.08 97–6 4.9b,4.8b
DJA VIII 04 19 11 36.9–.20 5N–2.0 127E–1.0 97–2 5.4b,5.4
IDC VIII 04 19 11 37.3–1.6 4.82N 127.58E 110–14 4.7,4.4b
GFZ VIII 04 19 11 37.6–.15 5N–2.0 127E–3.0 106 5.0b,4.9
MAN VIII 04 19 11 38.8 4.89N 127.15E 101 5.6b,4.9s
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108041911A. Moment Tensor Solution. s20,c20; s79,c109; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.45±.11; $M_{\theta\theta}$1.57±.11; $M_{\phi\phi}$-3.02±.12; $M_{r\theta}$-0.77±.06; $M_{\theta\phi}$-0.08±.13; $M_{\phi r}$-1.09±.09; Best double couple: NP1:ϕ_s323.00000°,δ48.00000°,λ28.00000°. NP2:ϕ_s213.00000°,δ70.00000°,λ134.00000°. Principal axes: T 2.3760,Plg46.0000°,Azm169.0000°; N 0.9090,Plg41.0000°,Azm15.0000°; P -3.2850,Plg13.0000°,Azm273.0000° $M_0$2.83100×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.6km az=68.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=7.5km az=75.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe.
ISC VIII 04 05 42 34.5–.53 2.43N–.03 125.92E–.05 105 4.4b 87 1-82
IDC VIII 04 05 42 20.9–.88 2.51N 125.78E 0 4.2b,4.2 ¶620997287
NEIC VIII 04 05 42 35.8–.97 2.5N–.10 125.9E–.10 127–8 4.2b,4.2
MAN VIII 04 05 42 37.7 2.62N 125.92E 167 5.1b,4.2s
DJA VIII 04 05 42 37.0–.50 2N–4.0 126E–2.0 116–7 4.7b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC VIII 02 16 44 56.2–.68 4.56N–.08 126.7E–.10 100 3.9b 24 3-86
IDC VIII 02 16 44 56.1–5.7 4.61N 126.94E 99–64 3.9L,3.6 ¶620993251
NEIC VIII 02 16 44 56.2–.83 4.59N–.08 126.7E–.10 91–6 4.0b,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 03 13 43 24.3–2.3 4.76N 126.35E 0 3.4b,3.4
¶620995880
IDC Error ellipse: s-maj=189.8km s-min=26.7km az=66.0.
DJA VIII 04 04 44 30.6–.50 4N–4.0 126E–2.0 124–4 5.0b,4.7
¶626187806
ISC VIII 05 07 44 10.1–.74 2.4N–.10 125.45E–.08 150 3.7b 17 2-84
IDC VIII 05 07 43 52.8–1.1 2.20N 124.76E 0 4.5L,3.8 ¶620998791
NEIC VIII 05 07 44 11.2–2.7 2.39N–.08 125.49E–.10 158–5 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 07 05 34 50.0–1.4 3.35N 127.56E 0 3.9b,3.9
¶621000706
IDC Error ellipse: s-maj=84.2km s-min=24.7km az=71.0.
IDC VIII 07 00 06 51.5–2.6 3.53N 126.83E 0 3.7b,3.7
¶621000688
IDC Error ellipse: s-maj=279.6km s-min=23.4km az=67.0.
IDC VIII 05 14 40 49.1–2.1 3.75N 125.93E 0 3.6b,3.6
¶620998814
IDC Error ellipse: s-maj=156.3km s-min=25.5km az=85.0.
ISC VIII 06 23 26 33.9–.58 2.81N–.06 125.96E–.07 72 4.1b 32 1-99
IDC VIII 06 23 26 25.7–1.7 2.97N 125.97E 0 3.8b,3.8 ¶620998928
DJA VIII 06 23 26 30.2–1.2 3N–14 127E–8.0 28–21 3.5,3.5
NEIC VIII 06 23 26 32.9–.98 2.9N–.10 125.91E–.08 56–2 4.5b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 06 23 27 58.6–1.2 3.59N 127.33E 0 3.5b,3.5
¶620998929
IDC Error ellipse: s-maj=84.6km s-min=24.7km az=70.0.
ISC VIII 12 18 30 00.9–.95 4.65N–.07 125.3E–.30 10 4.0b 17 2-66
IDC VIII 12 18 30 00.5–1.1 4.75N 125.04E 0 4.0L,3.7 ¶621009445
NEIC VIII 12 18 30 00.4–.27 4.63N–.08 125.4E–.10 10–1 4.2b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VIII 10 11 32 41.4–.50 4N–4.0 128E–2.0 108–6 4.8b,4.2
¶626188218
DJA VIII 10 15 12 20.3–1.5 4N–14 126E–4.0 89–9 4.0b,3.7
¶626188215
DJA VIII 10 23 32 16.5–.50 4N–4.0 127E–3.0 60–4 5.9b,5.5
¶626188193
ISC VIII 13 04 37 07.4–.77 3.14N–.05 125.74E–.05 10 3.4b 20 1-57
IDC VIII 13 04 37 03.0–1.9 3.37N 126.21E 0 3.6b,3.6 ¶621012023
DJA VIII 13 04 37 09.4–.40 3N–3.0 126E–4.0 18–4 3.6,3.6
ISC Event type se.
ISC VIII 13 21 20 06.0–.50 3.88N–.04 126.51E–.06 45 4.0b 73 0-92
MAN VIII 13 21 20 02.9 3.75N 126.38E 12 5.1b,4.2s ¶621012224
NEIC VIII 13 21 20 09.7–1.5 4.1N–.10 126.92E–.07 91–9 4.2b,4.2s
IDC VIII 13 21 20 10.9–3.6 4.11N 126.98E 103–38 4.0,3.7b
ISC Event type se.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.5km az=178.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.3km s-min=16.0km az=66.0.
IDC VIII 15 05 09 19.5–1.8 3.66N 127.15E 0 3.8b,3.8
¶621023550
IDC Error ellipse: s-maj=170.9km s-min=21.3km az=67.0.
IDC VIII 14 18 34 05.4–1.8 3.13N 125.42E 0 3.2b,3.2
¶621013539
IDC Error ellipse: s-maj=184.7km s-min=23.1km az=65.0.
ISC VIII 18 13 11 28.3–.59 3.68N–.07 126.8E–.10 48 4.0b 34 3-67
IDC VIII 18 13 11 28.0–4.2 3.68N 126.84E 48–46 4.1L,3.8 ¶621030376
NEIC VIII 18 13 11 28.1–1.3 3.69N–.08 126.74E–.09 35–2 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 07 27 31.3–.90 3.64N–.08 127.10E–.07 48 3.8b,3.3s 17 1-99
IDC VIII 17 07 27 24.9–1.4 3.72N 127.41E 0 3.8b,3.8 ¶621030239
DJA VIII 17 07 27 29.2–.80 4N–15 127E–7.0 24–16 3.5,3.5
ISC Event type se.
ISC VIII 17 11 07 51.9–1.2 4.63N–.06 125.97E–.10 10 3.5b 21 1-30
IDC VIII 17 11 07 48.2–3.6 4.73N 126.30E 0 3.6,3.5b ¶621030257
MAN VIII 17 11 07 54.8 4.81N 126.00E 1 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=123.3km s-min=26.5km az=55.0.
MAN Event type fe.
IDC VIII 19 12 26 12.7–1.9 4.75N 126.67E 0 3.4b,3.4
¶621039192
IDC Error ellipse: s-maj=158.0km s-min=23.5km az=66.0.
ISC VIII 24 18 17 53.8–.33 4.11N–.03 126.73E–.05 45 4.4b,3.4s 215 0-98
MAN VIII 24 18 17 43.3 3.41N 126.63E 8 5.3b,4.4s ¶621002266
GFZ VIII 24 18 17 52.5–.23 4N–2.0 127E–2.0 22 4.5b,4.4
DJA VIII 24 18 17 52.3–1.0 4N–7.0 127E–3.0 11–3 4.9b,4.9b
NEIC VIII 24 18 17 53.2–1.9 4.12N–.05 126.67E–.06 44–7 4.5b,4.9b
IDC VIII 24 18 17 55.6–1.4 4.14N 126.73E 59–13 4.2,3.9b
ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.0km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.0km s-min=7.6km az=68.0.
ISC VIII 22 03 20 27.4–.72 3.79N–.03 126.67E–.05 53–7 4.3b 154 0-99
MAN VIII 22 03 20 23.6 3.49N 126.70E 100 5.1b,4.1s ¶620999433
GFZ VIII 22 03 20 26.1–.35 4N–3.0 127E–3.0 49–3 4.7b,4.5
DJA VIII 22 03 20 27.1–.30 4N–6.0 127E–2.0 33–8 5.5b,4.9
IDC VIII 22 03 20 27.9–4.3 3.74N 126.42E 54–43 4.1L,4.1
NEIC VIII 22 03 20 28.4–2.3 3.86N–.09 126.75E–.09 61–4 4.3b,4.1
ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 23 00 11 12.8–2.2 4.10N 127.46E 0 3.4b,3.4
¶621049176
IDC Error ellipse: s-maj=195.0km s-min=23.9km az=67.0.
DJA VIII 19 19 42 28.9–1.0 4N–7.0 126E–4.0 140–5 5.0b,4.5b
¶626188852
ISC VIII 20 23 55 05.7–.67 3.83N–.04 126.69E–.04 57–6 4.4b,2.8s 125 0-94
IDC VIII 20 23 54 58.2–.64 3.72N 126.57E 0 4.0L,4.0b ¶620999177
GFZ VIII 20 23 55 05.1–.31 4N–2.0 127E–3.0 57–3 4.4b,4.2
DJA VIII 20 23 55 05.8–.50 4N–4.0 127E–3.0 53–6 4.8b,4.8b
NEIC VIII 20 23 55 06.2–1.5 3.81N–.06 126.63E–.03 53–8 4.4b,4.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 19 23 40 22.6–1.9 2.90N 125.38E 0 3.6,3.5b
¶621039228
IDC Error ellipse: s-maj=123.5km s-min=24.3km az=68.0.
DJA VIII 20 19 10 21.0–.80 3N–6.0 126E–4.0 21–11 4.2b,3.6
¶626188920
DJA VIII 22 06 26 26.3–.80 4N–6.0 126E–4.0 105–7 4.6b,4.1b
¶626189094
IDC VIII 26 12 39 58.2–4.3 4.19N 127.68E 116–45 3.6,3.2b
¶621058995
IDC Error ellipse: s-maj=50.6km s-min=19.6km az=80.0.
ISC VIII 26 14 30 11.9–.38 4.56N–.03 125.35E–.04 58–3 4.8b,3.5s 341 1-122
DJA VIII 26 14 30 04.1–.30 5N–3.0 125E–2.0 10 5.4b,5.0 ¶621008159
MAN VIII 26 14 30 07.5 4.53N 125.37E 16 5.3b,4.5s
BJI VIII 26 14 30 08.6 4.45N 125.69E 62 4.6b,4.6b
GFZ VIII 26 14 30 09.3–.35 5N–2.0 125E–2.0 34–3 4.8b,4.6
IDC VIII 26 14 30 11.9–1.8 4.62N 125.38E 57–16 4.4,4.1b
NEIC VIII 26 14 30 12.8–1.8 4.55N–.06 125.30E–.08 65–8 4.9b,4.1b
ISC Event type se.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VIII 28 02 16 12.0–.70 3N–5.0 125E–4.0 184–8 5.1b,4.4
¶626189601
ISC VIII 30 05 21 51.4–.55 4.99N–.05 127.57E–.07 108 4.1b 56 2-85
NEIC VIII 30 05 21 50.0–1.0 5.01N–.05 127.5E–.10 88–7 4.2b ¶621076487
MAN VIII 30 05 21 52.4 5.23N 127.61E 48 5.0b,4.0s
IDC VIII 30 05 21 54.0–4.3 4.93N 127.60E 126–43 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=6.0km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=38.3km s-min=18.2km az=79.0.
ISC VIII 28 19 25 27.2–1.2 4.4N–.20 127.5E–.60 300 3.4b 10 3-84
IDC VIII 28 19 25 28.1–2.3 4.36N 127.34E 308–21 3.7,3.1b ¶621073128
ISC Event type se.
IDC Error ellipse: s-maj=97.3km s-min=11.5km az=69.0.
IDC VIII 31 16 06 59.0–1.2 4.35N 126.87E 0 3.7b,3.6
¶621076623
IDC Error ellipse: s-maj=68.9km s-min=17.2km az=64.0.
ISC IX 05 15 23 12.4–.31 4.11N–.03 126.87E–.05 50 4.6b,3.8s 221 1-140
MAN IX 05 15 23 05.7 3.68N 127.01E 54 5.6b,4.9s ¶621035624
NEIC IX 05 15 23 13.7–2.0 4.19N–.06 126.86E–.08 61–7 4.6b,4.9s
GFZ IX 05 15 23 14.7–.35 4N–4.0 127E–3.0 62 4.7b,4.4
IDC IX 05 15 23 14.6–1.3 4.22N 126.97E 70–12 4.3,4.0b
BJI IX 05 15 23 17.8 4.50N 126.17E 60 4.8b,4.6b
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.5km az=68.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=19.8km s-min=7.1km az=70.0.
ISC IX 02 01 55 12.7–.66 3.76N–.08 126.5E–.10 45 3.9b 26 3-72
IDC IX 02 01 55 06.3–.85 3.59N 126.20E 0 4.4L,3.9b ¶621080653
NEIC IX 02 01 55 14.5–.79 3.70N–.06 126.51E–.10 59–11 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 03 10 44 02.3–1.3 3.3N–.20 126.6E–.30 53 3.7b 7 6-62
IDC IX 03 10 43 55.6–1.1 3.21N 126.36E 0 4.0s,3.9L ¶621081564
ISC Event type se.
IDC Error ellipse: s-maj=51.6km s-min=17.9km az=59.0.
ISC IX 03 17 22 23.4–.58 3.39N–.08 126.69E–.10 53 4.1b 41 3-100
IDC IX 03 17 22 16.8–.87 3.35N 126.45E 0 3.9,3.8b ¶621081580
NEIC IX 03 17 22 23.2–1.6 3.4N–.10 126.75E–.08 47–8 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 06 23 53 49.4–.32 3.14N–.04 126.88E–.06 44 4.7b,3.7s 135 2-122
IDC IX 06 23 53 42.9–.43 3.12N 126.75E 0 4.4b,4.4 ¶621039483
MAN IX 06 23 53 46.2 3.00N 127.07E 33 5.4b,4.5s
NEIC IX 06 23 53 49.3–1.2 3.16N–.06 126.88E–.07 40–7 4.7b,4.5s
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 06 10 59 30.6–2.4 4.15N 127.44E 0 3.4b,3.4
¶621094251
IDC Error ellipse: s-maj=217.0km s-min=24.5km az=67.0.
ISC IX 15 04 42 07.2–.78 3.25N–.03 126.67E–.04 64–7 4.7b 260 1-161
DJA IX 15 04 42 03.0–.30 3N–3.0 127E–2.0 10 5.3b,4.7 ¶621073658
IDC IX 15 04 42 05.5–2.0 3.25N 126.64E 48–19 4.4L,4.4
MAN IX 15 04 42 05.9 3.13N 126.23E 68 5.1b,4.2s
NEIC IX 15 04 42 06.8–1.1 3.20N–.08 126.67E–.08 55–6 4.7b,4.2s
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 10 01 44.2–1.4 3.2N–.30 127.1E–.60 44 3.6b 7 21-62
IDC IX 10 10 01 37.8–1.4 3.29N 127.19E 0 3.6b,3.6 ¶621108509
ISC Event type se.
IDC Error ellipse: s-maj=103.3km s-min=20.1km az=69.0.
ISC IX 13 09 38 56.8–1.2 3.1N–.20 126.8E–.20 50 3.7b 8 6-61
IDC IX 13 09 38 50.4–1.2 3.03N 126.56E 0 3.7b,3.7 ¶621109703

ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=16.6km az=55.0.
ISC IX 07 00 58 59.5–.45 3.07N–.04 126.73E–.07 50 4.3b 68 2-122
NEIC IX 07 00 59 00.1–1.5 3.12N–.07 126.84E–.08 50–8 4.4b **¶621094293**
IDC IX 07 00 59 01.7–3.5 3.08N 126.84E 65–34 4.2L,4.1
MAN IX 07 00 59 16.8 4.11N 126.29E 31 5.0b,4.0s
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.3km az=59.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.1km s-min=14.5km az=67.0.
MAN Event type fe.
IDC IX 26 21 44 31.8–2.1 4.25N 126.33E 0 3.4b,3.4
¶621131539
IDC Error ellipse: s-maj=166.5km s-min=28.3km az=64.0.
ISC IX 21 13 59 54.3–.34 4.64N–.04 126.86E–.05 50 4.6b 205 1-91
IDC IX 21 13 59 48.0–.52 4.57N 126.53E 0 5.4s,4.3L **¶621094401**
DJA IX 21 13 59 52.9–.80 5N–3.0 127E–2.0 24–7 5.5b,5.0
BJI IX 21 13 59 54.9 4.65N 126.46E 52 4.7b,5.0
GFZ IX 21 13 59 54.4–.20 5N–2.0 127E–3.0 64 5.2b,4.5
NEIC IX 21 13 59 55.5–1.1 4.61N–.06 126.78E–.08 54–7 4.7b,4.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 25 16 28 57.5–.97 4.7N–.20 126.6E–.30 85 3.1b 8 3-39
IDC IX 25 16 28 56.8–2.1 4.93N 126.78E 92–43 3.5,3.1b **¶621131461**
ISC Event type se.
IDC Error ellipse: s-maj=115.7km s-min=21.1km az=53.0.
ISC IX 26 11 49 55.7–.97 4.2N–.20 126.7E–.20 45 3.8b 10 7-67
IDC IX 26 11 49 49.8–.94 4.22N 126.63E 0 3.9L,3.9b **¶621131508**
ISC Event type se.
IDC Error ellipse: s-maj=48.2km s-min=13.1km az=57.0.
ISC IX 17 12 43 56.1–.31 4.90N–.03 126.20E–.04 94–2 4.8b 485 1-162
MAN IX 17 12 43 40.9 4.09N 126.35E 5 5.6b,4.9s **¶621081707**
BJI IX 17 12 43 52.7 4.81N 126.25E 87 4.9b,4.8b
GFZ IX 17 12 43 54.6–.37 5N–3.0 126E–5.0 89–3 6.1,6.1
DJA IX 17 12 43 55.6–.20 5N–2.0 126E–1.0 77–2 6.2,6.2
NEIC IX 17 12 43 56.3–1.4 4.91N–.06 126.26E–.08 93–7 4.8b,6.2
IDC IX 17 12 43 57.2–1.1 4.92N 125.96E 104–8 4.6,4.2b
ISC Event type fe.
MAN Event type fe.
GFZ Error ellipse: s-maj=9.9km s-min=5.3km az=75.1. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.3km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=8.1km az=81.0.
ISC IX 30 20 43 20.8–.99 3.5N–.20 125.3E–.40 200 3.6b 8 25-67
IDC IX 30 20 42 58.9–.86 3.45N 124.89E 0 3.8b,3.8 **¶621147788**
ISC Event type se.
IDC Error ellipse: s-maj=53.6km s-min=16.9km az=69.0.
ISC IX 28 11 10 19.9–.61 3.13N–.03 126.26E–.04 102–6 4.4b 316 1-123
GFZ IX 28 11 10 19.4–.21 3N–2.0 126E–3.0 101 5.4b,5.0L **¶621112101**
NEIC IX 28 11 10 20.4–1.1 3.09N–.06 126.16E–.07 102–7 4.4b,5.0L
DJA IX 28 11 10 20.4–.20 3N–2.0 126E–2.0 95–2 6.3,6.2
MAN IX 28 11 10 20.0 3.23N 126.28E 97 5.3b,4.5s
IDC IX 28 11 10 21.7–1.4 3.10N 126.16E 123–12 4.3,3.9b
ISC Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.9km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=17.2km s-min=7.7km az=79.0.
ISC X 01 09 41 13.1–1.2 4.4N–.10 126.40E–.06 85 3.3b 18 0-61
IDC X 01 09 40 59.5–2.3 5.15N 127.87E 0 3.5b,3.5 **¶621147824**
DJA X 01 09 41 15.7–.90 4N–8.0 126E–3.0 85–5 4.8b,4.1b
ISC Event type se.
IDC X 02 02 15 53.2–8.4 4.03N 126.33E 0 4.3b,4.3
¶621186040
IDC Error ellipse: s-maj=476.2km s-min=169.1km az=48.0.
ISC X 05 04 17 51.3–.59 3.03N–.07 127.0E–.10 44 4.1b 36 2-73
IDC X 05 04 17 45.0–.87 3.12N 127.14E 0 4.0,3.9b **¶621203155**
NEIC X 05 04 17 51.1–1.1 3.06N–.09 127.0E–.10 35–2 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 05 14 45 52.9–.40 4.80N–.05 127.03E–.07 76 4.3b 126 1-98
NEIC X 05 14 45 49.3–1.1 4.86N–.06 127.10E–.08 32–4 4.4b **¶621125904**
GFZ X 05 14 45 51.9–.42 5N–3.0 127E–4.0 67–4 5.1b,4.5b
IDC X 05 14 45 55.2–1.3 4.83N 127.29E 100–11 4.2,3.8b
DJA X 05 14 45 59.5–.50 4N–4.0 127E–4.0 48–11 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC X 05 15 34 15.9–1.7 3.21N 126.70E 0 3.3L,3.2b
¶621203177
IDC Error ellipse: s-maj=73.2km s-min=24.9km az=54.0.
ISC X 05 23 10 02.8–.62 4.78N–.05 127.0E–.10 76 4.2b 36 3-84
IDC X 05 23 09 54.6–.72 4.18N 125.78E 0 4.1L,4.1b **¶621203197**
NEIC X 05 23 10 02.7–2.0 4.85N–.08 127.0E–.10 73–8 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 10 12 24.7–.69 4.56N–.06 125.78E–.08 162 3.7b 35 1-72
IDC X 06 10 12 24.3–2.4 4.47N 125.64E 162–32 3.9,3.4b **¶621217145**
NEIC X 06 10 12 25.5–1.2 4.5N–.10 125.6E–.30 165–11 4.0b,3.4b
DJA X 06 10 12 27.1–1.5 4N–13 126E–6.0 168–7 5.2b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 06 19 55 41.5–7.4 2.38N 125.54E 0 3.8,3.7b
¶621217169
IDC Error ellipse: s-maj=126.5km s-min=103.7km az=114.0.
IDC X 07 03 43 28.6–1.3 2.45N 125.56E 0 3.5b,3.5
¶621217188
IDC Error ellipse: s-maj=86.9km s-min=22.0km az=76.0.
ISC X 06 16 51 46.2–.46 4.95N–.04 127.43E–.06 108 3.9b 85 1-90
DJA X 06 16 51 46.4–1.7 5N–15 127E–5.0 83–19 4.9b,4.7b **¶621217161**
IDC X 06 16 51 47.4–.72 4.93N 127.51E 121–6 3.9,3.5b
NEIC X 06 16 51 48.2–1.4 4.96N–.06 127.39E–.09 123–8 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 15 09 03 17.7–.66 4.03N–.07 126.17E–.06 100 3.9b 49 0-72
IDC X 15 09 03 03.9–1.5 4.41N 126.83E 0 4.0b,4.0 **¶621242049**
NEIC X 15 09 03 10.8–2.5 4.51N–.06 126.7E–.10 46–10 4.1b,4.0
DJA X 15 09 03 21.3–.60 4N–5.0 126E–3.0 107–5 4.8b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 08 11 31 43.1–1.6 4.3N–.10 126.86E–.07 53–10 3.3b 19 0-57
IDC X 08 11 31 36.5–2.2 4.29N 127.00E 0 3.4b,3.4 **¶621224651**
DJA X 08 11 31 43.6–.90 4N–7.0 127E–3.0 40–5 3.8b,3.7
ISC Event type se.
ISC X 07 19 38 56.1–.86 3.75N–.07 126.83E–.07 35 3.8b 31 0-67
DJA X 07 19 38 56.6–.60 4N–16 127E–6.0 23–19 4.1b,3.9 **¶621217237**
IDC X 07 19 39 00.0–4.6 3.65N 126.98E 75–47 3.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=56.5km s-min=17.2km az=66.0.
DJA X 13 17 51 46.3–.90 5N–6.0 126E–3.0 10 3.8b,3.7
¶626703705
IDC X 17 02 08 54.2–7.7 3.35N 127.52E 0 3.8b,3.8
¶621242862
IDC Error ellipse: s-maj=158.1km s-min=122.3km az=79.0.
ISC X 17 17 16 06.5–.50 4.16N–.05 125.87E–.06 100 4.1b 62 1-145
IDC X 17 17 16 05.5–1.7 4.21N 125.86E 90–16 4.1,3.7b **¶621242893**
DJA X 17 17 16 05.3–.90 4N–9.0 126E–4.0 73–6 4.8b,4.3b
NEIC X 17 17 16 06.3–2.1 4.18N–.07 125.8E–.10 84–6 4.2b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 24 21 54 53.7–.60 3.04N–.03 127.87E–.05 90–5 4.5b 193 1-121
DJA X 24 21 54 51.3–.70 3N–3.0 128E–2.0 20–6 5.2b,5.1 **¶621238338**
IDC X 24 21 54 52.8–2.1 3.06N 128.05E 85–20 4.3,4.0b
MAN X 24 21 54 52.9 2.90N 127.53E 151 5.3b,4.4s
NEIC X 24 21 54 53.5–1.3 2.98N–.06 128.01E–.08 90–7 4.5b,4.4s
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA X 22 07 55 51.4–.70 4N–5.0 128E–5.0 89–11 4.1b,4.0
¶626704308
IDC X 21 10 36 44.5–2.1 4.45N 125.02E 0 3.7b,3.7
¶621261404
IDC Error ellipse: s-maj=205.1km s-min=25.2km az=64.0.
ISC X 27 18 13 47.8–.45 4.23N–.03 126.70E–.04 10 4.3b,3.0s 120 0-72
GFZ X 27 18 13 38.0–.45 5N–5.0 127E–4.0 10 5.1b,4.8 **¶621242490**
MAN X 27 18 13 41.2 3.14N 126.66E 33 5.3b,4.5s
IDC X 27 18 13 46.5–.83 4.33N 126.87E 0 4.1b,4.1
NEIC X 27 18 13 48.1–1.4 4.20N–.05 126.69E–.07 10–1 4.3b,4.1
DJA X 27 18 13 48.6–.50 4N–4.0 127E–3.0 10 5.1b,4.5
ISC Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 28 10 00 11.9–.40 3.04N–.05 127.91E–.07 100 4.3b 128 1-121
MAN X 28 10 00 08.7 2.84N 127.61E 72 5.2b,4.4s **¶621242675**
DJA X 28 10 00 08.9–.50 3N–4.0 128E–4.0 10 4.9b,4.8b
NEIC X 28 10 00 10.5–1.6 3.04N–.03 128.00E–.08 82–7 4.5b,4.8b
IDC X 28 10 00 10.4–2.7 3.09N 128.16E 87–26 4.1,3.8b
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=2.9km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.2km s-min=10.4km az=78.0.
ISC X 31 07 30 58.4–.46 3.04N–.04 127.93E–.06 100 4.3b 87 1-93
IDC X 31 07 30 56.4–3.6 3.04N 127.98E 75–36 4.1L,4.1 **¶621244617**
MAN X 31 07 30 56.7 2.92N 127.56E 67 5.2b,4.2s
DJA X 31 07 30 56.6–.60 3N–5.0 128E–4.0 41–32 4.9b,4.4b
NEIC X 31 07 30 58.8–.81 2.98N–.08 127.8E–.10 92–3 4.3b,4.4b
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 31 04 54 06.0–1.8 2.92N 125.11E 0 3.7,3.6b
¶621395223
IDC Error ellipse: s-maj=135.1km s-min=22.7km az=68.0.
ISC X 30 15 16 44.0–.95 3.16N–.05 126.32E–.05 63 3.6b 26 1-62
IDC X 30 15 16 35.5–1.6 3.22N 126.42E 0 3.7,3.6b **¶621395181**
DJA X 30 15 16 43.3–2.0 3N–4.0 126E–2.0 16–21 4.8b,4.4b
ISC Event type se.
ISC X 31 20 31 03.4–4.3 5N–1.0 127E–3.0 150 3.6b 7 3-67
IDC X 31 20 31 03.1–2.2 4.63N 126.76E 148–16 3.7,3.2b **¶621395272**
ISC Event type se.
IDC Error ellipse: s-maj=192.6km s-min=16.0km az=67.0.
IDC X 31 08 52 29.2–2.2 4.64N 126.57E 0 3.3b,3.3
¶621395234
IDC Error ellipse: s-maj=203.0km s-min=24.0km az=66.0.
ISC X 31 13 37 51.1–.77 4.13N–.09 127.6E–.10 150 4.1b 24 3-62
NEIC X 31 13 37 50.2–1.1 4.2N–.10 127.6E–.10 135–12 4.1b **¶621395250**
IDC X 31 13 37 50.2–4.6 4.14N 127.63E 139–50 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=14.5km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=90.9km s-min=14.6km az=73.0.
IDC XI 04 08 30 31.5–2.0 4.14N 126.02E 0 3.6b,3.6
¶621412286
IDC Error ellipse: s-maj=210.3km s-min=23.1km az=66.0.
IDC XI 10 21 32 44.0–2.6 3.62N 126.75E 0 3.2b,3.2
¶621440083
IDC Error ellipse: s-maj=226.6km s-min=28.9km az=66.0.
ISC XI 05 06 16 07.7–1.1 3.05N–.06 127.96E–.06 73–11 4.0b 34 1-85
IDC XI 05 06 15 59.7–.76 2.77N 127.12E 0 3.9L,3.9b **¶621413957**
DJA XI 05 06 16 05.3–.60 3N–4.0 128E–4.0 86–7 4.2b,4.1b
ISC Event type se.
ISC XI 09 12 44 00.3–1.1 3.42N–.07 127.11E–.06 10 3.5b 15 1-62
IDC XI 09 12 43 58.1–1.2 2.97N 126.38E 0 3.7L,3.7b **¶621423156**
DJA XI 09 12 44 02.4–.50 3N–4.0 127E–3.0 10 3.3,3.3
ISC Event type se.
ISC XI 09 21 07 18.7–1.3 4.71N–.08 125.30E–.09 200 3.5b 22 1-59
IDC XI 09 21 07 13.1–4.2 4.50N 124.54E 152–51 3.7,3.2b **¶621423169**
DJA XI 09 21 07 20.7–1.0 4N–9.0 125E–5.0 222–5 4.9b,4.5b
ISC Event type se.
IDC XI 12 21 09 25.8–1.8 3.55N 126.63E 0 3.7b,3.7
¶621460223
IDC Error ellipse: s-maj=108.0km s-min=24.7km az=67.0.
IDC XI 12 06 26 29.1–2.5 4.65N 127.23E 0 3.8b,3.8
¶621460198
IDC Error ellipse: s-maj=241.9km s-min=22.2km az=67.0.
ISC XI 13 11 39 07.9–1.2 4.3N–.10 125.94E–.07 150 3.1b 15 1-60
IDC XI 13 11 38 51.0–2.3 4.17N 125.26E 0 3.8s,3.3b **¶621468597**
DJA XI 13 11 39 10.3–.90 4N–6.0 126E–4.0 137–6 3.8,3.8
ISC Event type se.
ISC XI 15 16 17 51.1–.70 4.95N–.03 126.70E–.05 63–7 4.5b 183 1-91
DJA XI 15 16 17 47.7–.40 5N–4.0 127E–3.0 10 4.9b,4.5b **¶621406842**
MAN XI 15 16 17 48.2 4.79N 126.43E 11 5.1b,4.2s
GFZ XI 15 16 17 49.2–.35 5N–3.0 127E–3.0 56–4 4.8b,4.5b
NEIC XI 15 16 17 50.8–2.0 5.15N–.06 126.94E–.09 51–0 4.5b,4.5b
IDC XI 15 16 17 50.5–1.4 5.00N 126.72E 54–13 4.2,3.9b
ISC Event type se.
MAN Event type fe.
GFZ Error ellipse: s-maj=7.5km s-min=5.1km az=57.9. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.4km az=62.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.1km s-min=8.6km az=64.0.
ISC XI 14 02 55 49.7–1.4 3.33N–.04 127.46E–.06 16–9 4.3b 51 1-83
IDC XI 14 02 55 47.8–.73 3.15N 127.09E 0 4.1L,4.1 **¶621468636**
DJA XI 14 02 55 52.2–.30 3N–3.0 127E–2.0 10 4.8b,4.2b
NEIC XI 14 02 55 55.6–1.5 3.24N–.06 127.3E–.10 57–10 4.4b,4.2b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 23 04 23 45.8–.62 3.80N–.06 127.01E–.06 35 4.3b 50 0-90
IDC XI 23 04 23 41.1–.71 3.46N 126.54E 0 4.1b,4.1 **¶621611940**
DJA XI 23 04 23 44.3–1.3 4N–15 127E–6.0 33–8 4.1,4.1
NEIC XI 23 04 23 48.3–1.3 3.62N–.09 126.95E–.09 51–8 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 17 20 21.9–.56 3.57N–.04 126.92E–.05 48 3.9b 68 1-62
IDC XI 19 17 20 16.3–.85 3.39N 126.62E 0 4.1L,3.8b **¶621590303**
DJA XI 19 17 20 20.5–.40 4N–10 127E–3.0 32–13 4.2b,4.0
NEIC XI 19 17 20 23.0–1.4 3.40N–.04 126.81E–.07 45–9 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 21 23 30 54.0–8.2 3.15N 127.11E 0 3.6b,3.6
¶621608937
IDC Error ellipse: s-maj=233.7km s-min=130.4km az=75.0.
ISC XI 22 14 51 12.7–.46 3.40N–.04 127.03E–.05 100 4.3b 100 1-83
IDC XI 22 14 51 01.4–.81 3.11N 126.30E 0 4.2L,3.9 **¶621611918**
NEIC XI 22 14 51 10.2–1.2 3.43N–.07 126.94E–.09 66–9 4.4b,3.9
DJA XI 22 14 51 10.6–1.1 4N–9.0 127E–6.0 71–12 5.2b,4.6b
MAN XI 22 14 51 11.1 3.37N 126.90E 110 5.2b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=11.9km az=59.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.2km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC XI 22 15 58 43.7–1.9 3.68N 125.03E 0 3.6,3.5b
¶621611920
IDC Error ellipse: s-maj=123.3km s-min=26.7km az=67.0.
ISC XI 23 16 06 11.4–.48 3.62N–.05 126.90E–.06 48 4.1b 62 0-99
IDC XI 23 16 06 04.7–.68 3.40N 126.56E 0 3.8b,3.8 **¶621611964**
DJA XI 23 16 06 08.8–.60 4N–9.0 127E–4.0 34–14 4.7b,4.1b
NEIC XI 23 16 06 12.4–1.2 3.47N–.08 126.87E–.05 53–9 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 24 11 42 56.1–.98 3.28N–.06 125.70E–.06 100 3.5b 23 0-57
IDC XI 24 11 42 39.9–1.2 3.76N 126.02E 0 3.7b,3.7 **¶621613977**
DJA XI 24 11 42 56.8–.70 3N–5.0 126E–4.0 112–7 4.8b,4.1
ISC Event type se.
IDC XI 23 13 33 40.6–2.2 3.89N 127.51E 0 3.4,3.3b
¶621611953
IDC Error ellipse: s-maj=114.8km s-min=27.9km az=70.0.
ISC XII 04 12 21 49.6–1.0 3.17N–.05 128.00E–.06 66–11 4.3b 84 1-93
IDC XII 04 12 21 41.1–.68 3.15N 127.95E 0 4.1b,4.1 **¶621630668**
DJA XII 04 12 21 50.1–.40 3N–3.0 128E–3.0 55–11 5.3b,4.7
NEIC XII 04 12 21 50.4–1.1 3.14N–.05 127.99E–.08 70–8 4.4b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 17 10 48.1–.68 3.95N–.03 126.59E–.04 83–6 4.2b 159 0-92
NEIC XI 25 17 10 47.4–1.4 4.00N–.07 126.6E–.10 72–8 4.3b **¶621618717**
MAN XI 25 17 10 48.0 3.98N 126.46E 91 5.1b,4.1s
IDC XI 25 17 10 49.7–1.7 4.03N 126.72E 97–16 4.1,3.7b
DJA XI 25 17 10 50.6–.40 4N–4.0 127E–2.0 50–7 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC XI 30 05 31 26.5–1.5 4.8N–.30 126.3E–.70 71 3.7b 8 23-66
IDC XI 30 05 31 17.3–1.5 4.93N 126.40E 0 3.7b,3.7 **¶621627018**
ISC Event type se.
IDC Error ellipse: s-maj=116.5km s-min=18.0km az=70.0.
ISC XI 27 06 01 53.0–.25 4.71N–.02 126.31E–.03 86–2 5.4b 1328 1-178
BJI XI 27 06 01 50.1 4.37N 126.26E 96 5.2b,5.1b **¶621480045**
MOS XI 27 06 01 50.0–1.1 4.76N 126.19E 79 5.4b,5.1b
MAN XI 27 06 01 51.5 4.61N 126.39E 83 5.8b,5.3s
NEIC XI 27 06 01 53.6 4.73N 126.39E 70 5.2,5.3s
GFZ XI 27 06 01 53.6 4.75N 126.27E 88 5.3W,5.3s
NEIC XI 27 06 01 53.4–1.8 4.69N–.05 126.27E–.07 80–6 5.5b,5.3s
NEIC XI 27 06 01 53.2 4.73N 126.29E 76 5.5b,5.3s
IDC XI 27 06 01 53.2–.98 4.70N 126.11E 84–7 5.0,4.7b
DJA XI 27 06 01 54.3–.20 5N–2.0 126E–1.0 95–2 6.2,5.9b
GCMT XI 27 06 01 54.4–.10 4.68N–.01 126.35E–.01 84–1 5.3W,5.9b
GFZ XI 27 06 01 54.7–.33 5N–2.0 126E–3.0 95–4 6.0L,5.9b
ISC Event type se.
MAN Event type fe. INTENSITY III - SARANGANI ISLAND (MUNICIPALITY OF SARANGANI) DAVAO OCCIDENTAL; . INTENSITY II - BALUT ISLAND (MUNICIPALITY OF SARANGANI) DAVAO OCCIDENTAL; KIAMBA AND MALUNGON SARANGANI; . INTENSITY I - LAKE SEBU SOUTH COTABATO.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.59 $M_{\theta\theta}$5.22 $M_{\phi\phi}$-6.81 $M_{r\theta}$-3.04 $M_{\theta\phi}$5.96 $M_{\phi r}$-1.98 NP1:ϕ_s295.36000°,δ69.90000° ,λ15.42000°. NP2:ϕ_s199.94000°,δ75.54000°,λ159.21000°. Principal axes: T 9.3219,Plg25.0000°,Azm157.0000°; N -0.0161,Plg65.0000°,Azm347.0000° ; P -9.3058,Plg4.0000°,Azm248.0000° $M_0$9.31000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.50 $M_{\theta\theta}$4.92 $M_{\phi\phi}$-7.42 $M_{r\theta}$-2.99 $M_{\theta\phi}$6.29 $M_{\phi r}$-2.21 NP1: ϕ_s295.48908°,δ67.70467°,λ17.30783°. NP2:ϕ_s198.74681°,δ74.02225°,λ156.75737°. Principal axes: T 9.4527,Plg27.5746°,Azm155.8836°; N 0.6724,Plg62.0486°,Azm346.0901° ; P -10.1252,Plg4.2220°,Azm248.0930° $M_0$9.80628×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111270601A. Moment Tensor Solution. s122,c173; s134,c256;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.23±.01 $M_{\theta\theta}$0.71±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$-0.44±.01; $M_{\theta\phi}$0.78±.02; $M_{\phi r}$-0.31±.01; Best double couple: NP1: ϕ_s296.00000°,δ68.00000°,λ16.00000°. NP2:ϕ_s200.00000°,δ75.00000°,λ157.00000°. Principal axes: T 1.2870,Plg27.0000°,Azm157.0000°; N -0.0260,Plg63.0000°,Azm350.0000° ; P -1.2610,Plg5.0000°,Azm249.0000° $M_0$1.27400×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 10 03 14 08.3–.43 3.89N–.07 126.6E–.10 45 4.4b 66 3-122
IDC XII 10 03 14 02.0–.51 3.85N 126.53E 0 4.3b,4.3 **¶621626229**
NEIC XII 10 03 14 09.2–1.4 3.91N–.09 126.6E–.10 50–7 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 05 22 05 39.2–.47 3.52N–.05 127.03E–.06 48 4.4b 59 1-91
DJA XII 05 22 05 38.7–1.4 3N–17 127E–4.0 11–26 3.9,3.9 **¶621631277**
NEIC XII 05 22 05 43.7–1.0 3.31N–.06 127.00E–.03 91–8 4.6b,3.9
IDC XII 05 22 05 46.2–2.1 3.36N 126.88E 113–19 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.9km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.0km s-min=12.2km az=68.0.
ISC XII 09 14 55 23.2–.74 3.74N–.03 126.77E–.04 49–7 4.7b 261 0-123
IDC XII 09 14 55 16.9–.48 3.63N 126.43E 0 4.6L,4.6b **¶621625216**
BJI XII 09 14 55 19.6 3.19N 126.64E 50 5.1b,4.6b
GFZ XII 09 14 55 21.1–.19 4N–2.0 127E–3.0 42 5.2b,4.8b
DJA XII 09 14 55 22.4–.30 4N–2.0 127E–2.0 51–3 6.2,6.1
NEIC XII 09 14 55 23.7–1.4 3.64N–.06 126.56E–.08 46–6 4.7b,6.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 11 03 07 12.0–.53 4.08N–.06 126.8E–.10 36 4.3b 40 3-92
IDC XII 11 03 07 06.5–.72 3.99N 126.64E 0 4.0b,4.0 **¶621644165**
NEIC XII 11 03 07 14.6–1.4 4.03N–.09 126.77E–.08 60–9 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 11 09 13 18.6–2.0 4.04N 127.06E 0 3.5b,3.5
¶621644180
IDC Error ellipse: s-maj=174.3km s-min=22.8km az=67.0.
IDC XII 11 01 01 48.4–2.0 4.27N 127.43E 0 3.5b,3.5
¶621644158
IDC Error ellipse: s-maj=183.2km s-min=28.0km az=67.0.
ISC XII 11 20 26 12.0–1.2 4.8N–.30 126.3E–.40 71 3.5b 7 16-61
IDC XII 11 20 26 03.0–1.3 4.83N 126.34E 0 3.6b,3.6 **¶621644213**
ISC Event type se.
IDC Error ellipse: s-maj=91.8km s-min=18.0km az=64.0.
ISC XII 13 18 08 55.8–.54 4.17N–.06 126.92E–.06 36 4.1b 53 0-92
DJA XII 13 18 08 52.8–1.2 4N–10 127E–3.0 15–4 4.1,4.1 **¶621650587**
NEIC XII 13 18 08 58.2–1.7 4.08N–.09 127.2E–.10 58–9 4.2b,4.1
IDC XII 13 18 09 09.9–2.8 4.25N 127.99E 180–24 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=11.3km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.8km s-min=13.7km az=68.0.
ISC XII 11 23 02 44.3–1.6 3.2N–.30 127.2E–.60 44 3.8b 6 21-62
IDC XII 11 23 02 38.4–1.4 3.19N 127.05E 0 4.1,4.0b **¶621644231**
ISC Event type se.
IDC Error ellipse: s-maj=100.0km s-min=18.0km az=68.0.
ISC XII 12 15 00 35.1–1.6 3.0N–.30 126.6E–.60 63 3.7b 6 21-62
IDC XII 12 15 00 26.1–1.5 3.31N 127.21E 0 3.6b,3.6 **¶621650516**
ISC Event type se.
IDC Error ellipse: s-maj=104.0km s-min=20.0km az=68.0.
IDC XII 13 18 14 26.4–2.5 3.42N 125.52E 0 3.2b,3.2
¶621650590
IDC Error ellipse: s-maj=239.3km s-min=30.6km az=65.0.
IDC XII 16 15 07 39.9–1.8 3.34N 125.25E 0 3.3b,3.3
¶621655790
IDC Error ellipse: s-maj=194.0km s-min=23.5km az=65.0.
IDC XII 19 01 12 08.3–2.1 3.49N 126.72E 0 3.5b,3.5
¶621657046
IDC Error ellipse: s-maj=129.2km s-min=26.0km az=69.0.
IDC XII 17 19 40 36.8–2.1 4.23N 127.00E 0 3.4b,3.4
¶621656947
IDC Error ellipse: s-maj=186.2km s-min=23.2km az=67.0.
DJA XII 19 04 05 35.9–.60 3N–4.0 126E–3.0 146–6 4.0b,4.0
¶626707139
IDC XII 19 21 12 37.5–2.2 4.92N 126.19E 0 3.7b,3.7
¶621657103
IDC Error ellipse: s-maj=172.5km s-min=28.3km az=65.0.
IDC XII 25 04 03 56.5–2.4 4.37N 127.46E 0 3.6b,3.6
¶621700134
IDC Error ellipse: s-maj=255.6km s-min=20.3km az=66.0.
ISC XII 20 09 43 58.6–1.0 3.02N–.06 126.69E–.06 63 3.6b 20 1-81
IDC XII 20 09 43 50.1–1.7 3.21N 127.22E 0 3.9b,3.9 **¶621685604**
DJA XII 20 09 43 56.3–.40 3N–4.0 127E–3.0 10 4.9b,4.9b
ISC Event type se.
IDC XII 25 23 10 29.1–1.8 3.94N 125.86E 0 3.5b,3.5
¶621700179
IDC Error ellipse: s-maj=182.7km s-min=21.1km az=66.0.
IDC XII 26 13 02 00.6–2.4 3.59N 127.06E 0 3.4b,3.4
¶621700220
IDC Error ellipse: s-maj=183.3km s-min=29.2km az=66.0.
IDC XII 25 23 57 00.7–2.1 3.33N 127.59E 0 3.3b,3.3
¶621700181
IDC Error ellipse: s-maj=149.3km s-min=25.9km az=67.0.

(264) North of Halmahera.

ISC VII 09 04 12 27.9–.56 3.20N–.05 128.05E–.06 150 4.0b 73 1-85
NEIC VII 09 04 12 28.0–1.4 3.20N–.06 128.1E–.10 141–9 4.3b **¶620928222**
IDC VII 09 04 12 27.5–2.8 3.27N 128.29E 143–30 3.9,3.5b
DJA VII 09 04 12 28.5–.50 3N–5.0 128E–3.0 127–5 5.1b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 12 29 58.0–.69 3.22N–.04 128.69E–.08 200 3.6b 54 1-69
IDC VII 10 12 30 00.5–2.6 3.10N 128.65E 234–28 3.7,3.2b **¶620928357**
DJA VII 10 12 30 02.0–.40 3N–4.0 128E–3.0 206–4 4.0b,3.9
MAN VII 10 12 30 04.6 3.63N 128.80E 150 5.2b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=11.8km az=83.0.
MAN Event type fe.
ISC VII 23 04 20 08.1–1.3 3.34N–.08 128.2E–.10 10 3.6b 16 1-63
IDC VII 23 04 20 05.4–2.3 3.23N 128.22E 0 3.7s,3.6b **¶620967886**
DJA VII 23 04 20 11.2–.70 3N–5.0 128E–5.0 10 3.9b,3.8
ISC Event type se.
ISC VII 31 12 42 53.7–.67 3.66N–.09 128.9E–.10 35 4.2b 23 7-74
IDC VII 31 12 42 49.1–2.0 3.70N 128.95E 0 3.8b,3.8 **¶620986126**
NEIC VII 31 12 42 50.9–.68 3.7N–.10 128.9E–.10 10–1 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 05 08 07 13.6–1.0 3.2N–.10 128.1E–.20 35 3.8b 9 5-91
IDC VIII 05 08 07 08.7–.87 3.20N 128.08E 0 3.9L,3.8 **¶620998794**
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=13.7km az=63.0.
DJA VIII 27 15 02 20.5–.50 3N–4.0 128E–4.0 154–4 5.1b,4.5
¶626189456
ISC IX 04 03 46 05.8–.37 3.69N–.05 128.72E–.06 10 4.7b,3.0s 108 2-94
IDC IX 04 03 46 04.3–.51 3.66N 128.54E 0 4.2b,4.2 **¶621030583**
NEIC IX 04 03 46 06.3–2.2 3.68N–.04 128.79E–.09 10–1 4.8b,4.2
BJI IX 04 03 46 09.0 3.60N 128.70E 40 4.8b,4.6b
GFZ IX 04 03 46 09.9–.43 4N–3.0 129E–3.0 40–4 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 12 13 34 37.7–.32 3.69N–.03 128.66E–.05 35 4.7b,3.5s 249 2-159
BJI IX 12 13 34 31.2 3.41N 128.82E 15 4.9b,4.7b **¶621070689**
IDC IX 12 13 34 32.4–.45 3.69N 128.62E 0 4.4b,4.4
NEIC IX 12 13 34 34.7–.98 3.76N–.06 128.74E–.03 10–1 4.7b,4.4
MAN IX 12 13 34 34.8 3.90N 128.78E 6 5.4b,4.6s
DJA IX 12 13 34 37.1–1.4 4N–5.0 129E–3.0 33–27 5.0b,4.9b
GFZ IX 12 13 34 39.0–.39 4N–3.0 129E–3.0 48–4 4.9b,4.8b
ISC Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 16 12 12 56.2–1.4 3.7N–.20 128.7E–.60 35 4.0b 8 22-68
IDC IX 16 12 12 50.9–1.3 3.77N 128.66E 0 3.8b,3.8 **¶621112886**
ISC Event type se.
IDC Error ellipse: s-maj=92.6km s-min=16.7km az=71.0.
ISC X 27 22 35 37.1–.48 3.12N–.04 128.19E–.06 10 4.2b,2.8s 69 1-100
IDC X 27 22 35 35.4–.61 3.08N 128.07E 0 4.0,3.9b **¶621385479**
NEIC X 27 22 35 37.4–1.3 3.08N–.06 128.22E–.04 10–1 4.4b,3.9b
DJA X 27 22 35 39.8–.60 3N–5.0 128E–4.0 10 4.3b,4.2

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 29 12 18 35.9–.81 4.8N–.10 128.1E–.30 150 3.7b 12 6-84
IDC IX 29 12 18 34.3–3.3 4.86N 128.01E 132–33 3.7,3.3b ¶621146373
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=15.1km az=76.0.
ISC X 28 12 14 25.3–1.3 3.4N–.20 128.7E–.40 100 3.7b 9 5-93
IDC X 28 12 14 25.9–3.7 3.38N 128.76E 109–42 3.7,3.3b ¶621391396
ISC Event type se.
IDC Error ellipse: s-maj=77.7km s-min=19.5km az=73.0.
ISC XI 12 11 45 27.3–1.3 3.5N–.20 128.0E–.30 84 3.8b 9 5-63
IDC XI 12 11 45 25.5–4.3 3.57N 127.99E 66–43 3.8,3.6L ¶621460206
ISC Event type se.
IDC Error ellipse: s-maj=66.9km s-min=20.1km az=68.0.
ISC XI 18 16 27 22.2–.49 3.22N–.06 129.26E–.08 10 4.2b 84 1-125
IDC XI 18 16 27 20.9–.77 3.22N 129.16E 0 4.0b,4.0 ¶621532486
NEIC XI 18 16 27 22.7–1.4 3.21N–.08 129.30E–.08 10–1 4.3b,4.0
DJA XI 18 16 27 23.8–.80 3N–7.0 129E–5.0 10 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 15 03 35 29.5–1.2 3.1N–.20 128.6E–.30 35 3.8b 9 5-125
IDC XI 15 03 35 25.0–1.0 3.03N 128.28E 0 3.9L,3.9 ¶621475583
ISC Event type se.
IDC Error ellipse: s-maj=62.6km s-min=16.1km az=63.0.
ISC XI 23 18 38 09.2–.86 3.55N–.07 128.88E–.07 35 3.6b 34 1-84
IDC XI 23 18 38 04.4–.82 3.59N 128.72E 0 3.7b,3.6 ¶621611973
DJA XI 23 18 38 09.7–1.6 3N–5.0 129E–6.0 16–14 3.9b,3.9
ISC Event type se.
ISC XII 04 23 47 56.1–.17 4.07N–.02 128.10E–.03 170–1 6.3b 3021 1-179
MOS XII 04 23 47 55.6–.75 4.06N 128.19E 176 6.4b,5.2s ¶621612562
BJI XII 04 23 47 55.4 4.01N 128.10E 170 6.1b,6.0b
NEIC XII 04 23 47 55.6–2.1 4.09N–.05 128.14E–.07 149–1 6.4b,6.1
NEIC XII 04 23 47 55.5 4.07N 128.12E 149 6.4b,6.1
NEIC XII 04 23 47 55.4 4.09N 128.16E 149 6.4b,6.1
PTWC XII 04 23 47 56 4.00N 128.20E 145 6.1,6.1
GFZ XII 04 23 47 56.9–.33 4N–2.0 128E–3.0 169–4 6.5b,6.4b
IPGP XII 04 23 47 57.0 4.07N 128.14E 159 6.1W,6.4b
GFZ XII 04 23 47 57.5 4.07N 128.13E 164 6.0W,6.4b
DJA XII 04 23 47 57.2–.20 4N–2.0 128E–1.0 170–2 6.6b,6.5
IDC XII 04 23 47 58.2–.57 4.06N 127.96E 184–4 6.5,6.0b
NEIC XII 04 23 47 58.9 4.09N 128.16E 160 6.0,6.0b
GCMT XII 04 23 47 58.3–.10 4.20N 128.10E 168–0 6.1W,6.0b
ISC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=4.8km az=105.1.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=8.4km az=250.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-0.87 $M_{r\theta}$0.12 $M_{\theta\phi}$0.09 $M_{\phi r}$-1.62 NP1:ϕ_s350.65000°,δ16.17000°,λ85.64000°. NP2:ϕ_s175.18000°,δ73.88000°,λ91.26000°. Principal axes: T 2.0547,Plg61.0000°,Azm87.0000°; N -0.2758,Plg1.0000°,Azm355.0000°; P -1.7788,Plg29.0000°,Azm264.0000° $M_0$1.93000×10^{18}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IPGP Moment Tensor Solution. NP1:ϕ_s330.00000°,δ14.00000°,λ80.00000°. NP2:ϕ_s160.00000°,δ77.00000°,λ92.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.38 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.10 $M_{r\theta}$0.34 $M_{\theta\phi}$-0.08 $M_{\phi r}$-0.99 NP1: ϕ_s161.40173°,δ83.92593°,λ89.24019°. NP2:ϕ_s348.54548°,δ6.12123°,λ97.10344°. Principal axes: T 1.2189,Plg51.0684°,Azm70.5467°; N -0.3062,Plg0.7555°,Azm161.4821°; P -0.9127,Plg38.9214°,Azm252.0923° $M_0$1.09830×10^{18}
IDC Error ellipse: s-maj=9.3km s-min=4.4km az=78.0.
NEIC Event type se. Moment Tensor Solution.Duration: 5s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.46 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-0.45 $M_{r\theta}$0.39 $M_{\theta\phi}$0.03 $M_{\phi r}$-1.21 NP1:ϕ_s6.35000°,δ10.45000°,λ113.14000°. NP2:ϕ_s162.87000°,δ80.40000°,λ85.85000°. Principal axes: T 1.3708,Plg54.0000°,Azm68.0000°; N -0.0366,Plg4.0000°,Azm164.0000°; P -1.3342,Plg35.0000°,Azm256.0000° $M_0$1.35000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112042347A. Moment Tensor Solution. s167,c389; s171,c611;Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}0.60±.01 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$0.53±.01; $M_{\theta\phi}$0.11±.01; $M_{\phi r}$-1.45±.01; Best double couple: NP1:ϕ_s346.00000°,δ10.00000°,λ96.00000°. NP2:ϕ_s160.00000°,δ80.00000°,λ89.00000°. Principal axes: T 1.6870,Plg55.0000°,Azm69.0000°; N -0.0970,Plg1.0000°,Azm161.0000°; P -1.5890,Plg35.0000°,Azm251.0000° $M_0$1.63800×10^{18}
ISC XII 21 20 10 27.9–.95 3.20N–.05 128.01E–.05 91–9 4.0b 73 1-87
DJA XII 21 20 10 28.8–.60 3N–4.0 128E–3.0 81–8 5.0b,4.3 ¶621685703
NEIC XII 21 20 10 30.3–1.1 3.09N–.09 128.04E–.08 110–8 4.3b,4.3
IDC XII 21 20 10 31.2–3.6 3.01N 128.12E 126–40 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=11.1km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=65.7km s-min=15.6km az=72.0.
ISC XII 16 21 59 59.5–.94 3.6N–.10 129.6E–.20 35 3.8b 18 18-92
IDC XII 16 21 59 54.9–.99 3.64N 129.65E 0 5.4L,3.8b ¶621655811
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=17.8km az=73.0.
ISC XII 18 11 41 30.9–1.1 3.24N–.05 128.06E–.06 65–11 4.2b 71 1-68
NEIC XII 18 11 41 27.6–.96 3.37N–.05 128.3E–.10 31–7 4.3b ¶621656998
DJA XII 18 11 41 32.6–.50 3N–3.0 128E–3.0 50–21 4.8b,4.2b
IDC XII 18 11 41 36.9–3.1 3.65N 129.48E 134–38 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=3.3km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=80.4km s-min=18.7km az=77.0.
ISC XII 23 07 18 08.4–.46 3.13N–.05 128.33E–.07 35 4.3b,3.3s 95 1-98
DJA XII 23 07 18 07.5–.60 3N–4.0 128E–5.0 10 4.6b,4.4 ¶621686813
IDC XII 23 07 18 08.6–2.5 3.07N 128.26E 42–23 4.3L,4.1
NEIC XII 23 07 18 11.7–.96 2.99N–.07 128.2E–.10 63–8 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 22 04 13.3–.52 3.92N–.06 128.67E–.06 46 4.2b 70 2-153
NEIC XII 21 22 04 09.6–2.6 3.89N–.09 128.6E–.10 10–1 4.3b ¶621685708
DJA XII 21 22 04 11.3–.70 4N–3.0 128E–5.0 10 5.2b,4.8b
IDC XII 21 22 04 13.1–4.1 3.88N 128.50E 41–40 4.8s,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=13.8km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.9km s-min=13.9km az=77.0.
IDC XII 29 06 46 14.6–2.2 3.46N 128.97E 0 3.6b,3.6
¶621724186
IDC Error ellipse: s-maj=188.9km s-min=22.0km az=71.0.

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ISC VII 01 11 26 04.3–.46 0.52N–.04 121.18E–.06 89 4.4b 66 1-90
NEIC VII 01 11 26 04.7–1.6 0.55N–.05 121.16E–.09 89–6 4.5b ¶620927665
DJA VII 01 11 26 05.6–.30 0N–2.0 121E–3.0 10 4.7L,4.6
IDC VII 01 11 26 05.5–2.4 0.46N 121.23E 100–23 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.2km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=11.7km az=80.0.
ISC VII 01 17 36 20.5–.81 0.22N–.05 122.00E–.05 202 3.2b 41 0-62
DJA VII 01 17 36 22.5–.50 0N–4.0 122E–3.0 177–5 3.4,3.4 ¶620927683
IDC VII 01 17 36 27.5–9.3 0.10N 122.06E 281–103 3.4,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=92.1km s-min=23.7km az=61.0.
ISC VII 02 07 16 21.4–.96 1.61N–.06 123.14E–.05 10 3.2b 22 1-57
IDC VII 02 07 16 19.1–2.6 2.45N 124.81E 0 3.3b,3.3 ¶620927733
DJA VII 02 07 16 22.3–1.5 2N–5.0 123E–3.0 18–13 3.9,3.9
ISC Event type se.
DJA VII 02 22 41 17.3–.30 0S–2.0 123E–2.0 78–6 4.0b,3.7
¶626066016
DJA VII 07 00 55 06.9–.30 1N–2.0 122E–1.0 18–2 5.5b,5.0
¶626066317
DJA VII 08 10 36 36.5–.30 0S–3.0 123E–3.0 48–14 3.9,3.9
¶626066362
ISC VII 08 11 05 00.4–.64 0.06S–.04 123.17E–.04 149–5 3.9b 72 1-63
IDC VII 08 11 04 57.6–4.1 0.05N 123.39E 124–40 4.4s,3.8 ¶620928177
NEIC VII 08 11 05 00.4–2.0 0.00N–.06 123.15E–.06 138–8 4.0b,3.8
DJA VII 08 11 05 01.3–.40 0S–3.0 123E–3.0 136–4 4.1,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 09 13 31 09.5–.18 0.09N–.02 123.63E–.03 135–1 6.0b 2245 1-176
BJI VII 09 13 31 02.2 0.53S 124.10E 135 6.0b,5.9b ¶620786360
NEIC VII 09 13 31 09.3 0.09N 123.72E 118 6.0b,5.9b
NEIC VII 09 13 31 09.5–1.9 0.14N–.06 123.66E–.05 120–2 6.0b,5.7
IPGP VII 09 13 31 09.0 0.13N 123.71E 128 5.6W,5.7
MOS VII 09 13 31 09.2–.98 0.18N 123.56E 142 6.0b,4.6s
NEIC VII 09 13 31 09.3 0.09N 123.72E 118 6.0b,4.6s
GFZ VII 09 13 31 10.4–.27 0N–2.0 124E–2.0 133–3 6.0b,5.7
IDC VII 09 13 31 11.0–.68 0.12N 123.59E 147–5 6.0,5.6b
DJA VII 09 13 31 10.2–.10 0N–1.0 124E–1.0 131–1 6.5,6.2b
PTWC VII 09 13 31 11 0.00N 123.80E 109 5.5,6.2b
GCMT VII 09 13 31 11.4–.10 0.11N 123.66E 138–0 5.7W,6.2b
GFZ VII 09 13 31 11.1 0.14N 123.61E 131 5.6W,6.2b
NEIC VII 09 13 31 16.9 0.11S 123.72E 120 5.6,6.2b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.4km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.87 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-0.23 $M_{r\theta}$3.52 $M_{\theta\phi}$1.25 $M_{\phi r}$0.41 NP1:ϕ_s88.31000°,δ84.06000°,λ70.35000°. NP2:ϕ_s342.14000°,δ20.49000°,λ162.80000°. Principal axes: T 4.0149,Plg47.0000°,Azm338.0000°; N -0.3716,Plg20.0000°,Azm90.0000°; P -3.6433,Plg36.0000°,Azm195.0000° $M_0$3.84000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s332.00000°,δ31.00000°,λ140.00000°. NP2:ϕ_s98.00000°,δ71.00000°,λ65.00000°.
MOS Error ellipse: s-maj=6.9km s-min=4.0km az=113.7.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=8.2km s-min=4.9km az=84.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107091331A. Moment Tensor Solution. s151,c295; s161,c357;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.90±.03 $M_{\theta\theta}$-1.10±.04; $M_{\phi\phi}$-0.79±.04; $M_{r\theta}$3.19±.03; $M_{\theta\phi}$1.85±.03; $M_{\phi r}$0.25±.03; Best double couple: NP1: ϕ_s342.00000°,δ31.00000°,λ149.00000°. NP2:ϕ_s99.00000°,δ75.00000°,λ63.00000°. Principal axes: T 4.2280,Plg52.0000°,Azm336.0000°; N -0.3850,Plg26.0000°,Azm106.0000°; P -3.8410,Plg25.0000°,Azm209.0000° $M_0$4.03400×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.12 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-0.62 $M_{r\theta}$2.28 $M_{\theta\phi}$1.57 $M_{\phi r}$0.23 NP1: ϕ_s98.42030°,δ76.71837°,λ56.67157°. NP2:ϕ_s349.16271°,δ35.59157°,λ156.75048°. Principal axes: T 3.0777,Plg47.5154°,Azm333.3040°; N -0.2865,Plg32.3264°,Azm107.0112°; P -2.7912,Plg24.3658°,Azm213.6659° $M_0$2.94491×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.04 $M_{\theta\theta}$-0.85 $M_{\phi\phi}$-1.19 $M_{r\theta}$2.49 $M_{\theta\phi}$2.10 $M_{\phi r}$0.14 NP1:ϕ_s347.79000°,δ38.58000°,λ145.98000°. NP2:ϕ_s105.62000°,δ69.58000°,λ56.53000°. Principal axes: T 3.7779,Plg53.0000°,Azm335.0000°; N -0.1366,Plg31.0000°,Azm119.0000°; P -3.6412,Plg18.0000°,Azm220.0000° $M_0$3.71000×10^{17}
ISC VII 10 07 57 56.0–1.2 0.93S–.02 119.92E–.03 6–8 4.1b 76 0-88
IDC VII 10 07 57 55.7–.67 0.97S 119.96E 0 3.9b,3.9 ¶620787265
DJA VII 10 07 57 56.9–.20 1S–2.0 120E–2.0 10 4.2,4.2
NEIC VII 10 07 57 57.7–1.6 0.96S–.06 120.09E–.05 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 11 49 58.2–.50 0.58N–.05 123.57E–.06 264 4.2b 108 0-91
IDC VII 10 11 49 57.9–1.7 0.61N 123.70E 258–17 4.2,3.6b ¶620928353
NEIC VII 10 11 49 57.9–1.0 0.58N–.06 123.57E–.08 253–7 4.5b,3.6b
DJA VII 10 11 49 58.9–.40 1N–3.0 124E–2.0 245–6 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 17 59 03.0–1.7 0.74N–.03 120.65E–.04 4–11 3.9b 105 0-71
NEIC VII 10 17 59 03.4–1.5 0.66N–.03 120.65E–.06 3–6 4.0b ¶620928370
IDC VII 10 17 59 03.2–.89 0.67N 120.94E 0 3.8,3.7L
DJA VII 10 17 59 04.8–.20 1N–2.0 121E–2.0 10 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 11 02 16 31.5–.49 0.06S–.04 123.27E–.04 139–4 4.5b 255 1-160
GFZ VII 11 02 16 31.4–.17 0S–2.0 123E–2.0 138–2 4.6b,4.6 ¶620787424
NEIC VII 11 02 16 31.2–2.5 0.01N–.05 123.32E–.06 130–2 4.6b,4.6
DJA VII 11 02 16 32.4–.20 0S–2.0 123E–1.0 130–2 5.0b,4.9
IDC VII 11 02 16 33.4–1.5 0.06S 123.20E 161–14 4.4,3.8b
ISC Event type se.
GFZ Error ellipse: s-maj=4.9km s-min=4.0km az=159.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.8km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=8.1km az=84.0.
ISC VII 11 04 07 42.5–.99 0.04N–.06 123.52E–.05 150 3.4b 25 1-63
IDC VII 11 04 07 27.7–1.4 0.67N 123.97E 0 3.5b,3.5 ¶620928402
DJA VII 11 04 07 42.0–.40 0S–4.0 124E–3.0 122–7 3.8,3.8
ISC Event type se.
IDC VII 11 10 40 20.0–1.7 1.70N 124.88E 0 3.5b,3.5
¶620928421
IDC Error ellipse: s-maj=193.4km s-min=22.9km az=64.0.
DJA VII 13 20 15 42.6–.30 0S–2.0 123E–2.0 80–5 3.8b,3.6
¶626066567
DJA VII 18 09 17 12.8–.50 0N–5.0 124E–4.0 136–6 4.1b,3.8
¶626066755
ISC VII 14 12 58 21.1–1.9 1.90N–.06 122.35E–.04 16–13 3.7b,3.1s 24 1-61
IDC VII 14 12 58 19.1–1.3 1.93N 122.78E 0 3.7b,3.7 ¶620928596
DJA VII 14 12 58 22.2–1.3 2N–5.0 122E–3.0 19–11 3.9,3.9
ISC Event type se.
ISC VII 18 21 54 45.2–.86 0.52N–.03 120.58E–.03 83–7 3.3b 73 1-57
IDC VII 18 21 54 33.7–1.6 0.91N 121.03E 0 3.7L,3.6 ¶620928846
DJA VII 18 21 54 46.8–.20 1N–1.0 121E–1.0 54–5 4.0,4.0
ISC Event type se.
ISC VII 18 10 40 01.6–.33 0.05N–.03 123.75E–.04 115–2 4.8b 500 1-162
BJI VII 18 10 40 00.0 0.00N 123.80E 112 4.9b,4.9b ¶620833370
IDC VII 18 10 40 00.8–1.0 0.09N 123.63E 109–8 4.7,4.4b
GCMT VII 18 10 40 01.7–.30 0.02N–.03 123.88E–.03 95–4 4.8W,4.4b
NEIC VII 18 10 40 01.5–1.4 0.01S–.05 123.81E–.06 105–6 4.8b,4.4b
GFZ VII 18 10 40 01.5–.31 0N–4.0 124E–3.0 109–3 5.0b,4.9
DJA VII 18 10 40 01.9–.10 0N–2.0 124E–1.0 103–2 5.8,5.7
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107181040A. Moment Tensor Solution. s28,c30; s82,c104; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.67±.09 $M_{\theta\theta}$-0.34±.14; $M_{\phi\phi}$-1.32±.16;

M_{rr}0.06±.07; $M_{\theta\theta}$-1.06±.09; $M_{\phi\phi}$0.85±.08; Best double couple: NP1:ϕ_s228.00000°,δ36.00000°,λ114.00000°. NP2:ϕ_s19.00000°,δ58.00000°,λ74.00000°. Principal axes:
T 1.9200,Plg72.0000°,Azm249.0000°; N 0.2350,Plg14.0000°,Azm28.0000°
; P -2.1480,Plg11.0000°,Azm121.0000° $M_0$2.03400×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VII**	**19 00 55 44.0–.23**	**0.01S–.02**	**123.18E–.03**	**171–1**	**5.3b**	**1474**	**1-176**
NEIC	VII	19 00 55 43.8–1.9	0.00N–.05	123.23E–.06	159–3	5.3b		¶620833495
NEIC	VII	19 00 55 43.6	0.02S	123.23E	159	5.3b		
BJI	VII	19 00 55 43.5	0.10N	123.20E	175	5.3b,5.2b		
GFZ	VII	19 00 55 44.8–.25	0N–2.0	123E–2.0	163–3	5.5b,5.2		
NEIC	VII	19 00 55 44.1	0.02S	123.23E	160	5.3,5.2		
IDC	VII	19 00 55 44.3–.51	0.06N	123.12E	172–4	5.4,5.0b		
GCMT	VII	19 00 55 45.2–.10	0.02N–.01	123.16E–.01	161–0	5.3W,5.0b		
MOS	VII	19 00 55 45.1–.86	0.04N	123.12E	197	5.5b,5.0b		
DJA	VII	19 00 55 45.0–.10	0S–1.0	123E–1.0	151–1	5.8,5.7b		
GFZ	VII	19 00 55 45.3	0.01N	123.22E	169	5.2W,5.7b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.9km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.30 $M_{r\theta}$0.88 $M_{\theta\phi}$-0.10 $M_{\phi r}$0.34 NP1:ϕ_s194.32000°,δ12.33000°,λ40.20000°. NP2:ϕ_s64.78000°,δ82.08000°,λ99.48000°. Principal axes:
T 1.0816,Plg52.0000°,Azm346.0000°; N -0.1862,Plg9.0000°,Azm243.0000°
; P -0.8955,Plg36.0000°,Azm146.0000° $M_0$1.00000×10^{17}

IDC Error ellipse: s-maj=8.7km s-min=5.7km az=82.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107190055A. Moment Tensor Solution. s121,c208; s149,c265;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36±.01 $M_{\theta\theta}$-0.28±.02; $M_{\phi\phi}$-0.08±.02; $M_{r\theta}$0.97±.01; $M_{\theta\phi}$-0.15±.02; $M_{\phi r}$0.34±.01; Best double couple: NP1:ϕ_s233.00000°,δ10.00000°,λ74.00000°. NP2:ϕ_s70.00000°,δ80.00000°,λ93.00000°. Principal axes: T 1.0890,Plg54.0000°,Azm344.0000°; N -0.0070,Plg3.0000°,Azm250.0000°
; P -1.0810,Plg35.0000°,Azm158.0000° $M_0$1.08500×10^{17}

MOS Error ellipse: s-maj=6.9km s-min=3.8km az=112.5.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.93 $M_{\theta\theta}$-2.70 $M_{\phi\phi}$-0.23 $M_{r\theta}$6.86 $M_{\theta\phi}$0.04 $M_{\phi r}$3.08 NP1:ϕ_s67.79527°,δ80.34474°,λ83.38854°. NP2:ϕ_s282.44261°,δ11.68420°,λ124.08834°. Principal axes: T 8.3265,Plg54.1987°,Azm329.7952°; N -0.6229,Plg6.5174°,Azm68.9089°
; P -7.7036,Plg35.0198°,Azm163.5005° $M_0$8.03316×10^{16}

ISC	**VII**	**22 02 57 35.9–1.0**	**0.05S–.05**	**123.14E–.05**	**100**	**3.2b**	**36**	**1-59**
IDC	VII	22 02 57 25.2–1.7	0.11N	123.41E	0	3.6L,3.6		¶620967804
DJA	VII	22 02 57 36.8–.40	0S–3.0	123E–3.0	58–13	5.1b,4.5		
ISC	Event type se.							
DJA	**VII**	**23 15 10 28.3–.40**	**0N–3.0**	**124E–2.0**	**12–3**	**5.0b,4.4**		
								¶626066987
IDC	**VII**	**22 10 26 33.2–1.5**	**0.62N**	**122.68E**	**0**	**3.7b,3.7**		
								¶620967822

IDC Error ellipse: s-maj=230.2km s-min=23.5km az=61.0.

DJA	**VII**	**23 15 15 22.5–.30**	**0S–3.0**	**123E–2.0**	**153–4**	**4.0b,3.8**		
								¶626066986
IDC	**VII**	**24 01 08 43.0–26**	**1.69N**	**121.37E**	**0**	**3.8b,3.8**		
								¶620970189

IDC Error ellipse: s-maj=631.0km s-min=61.9km az=177.0.

DJA	**VII**	**24 22 20 29.0–.20**	**0S–1.0**	**123E–1.0**	**10**	**4.2b,4.0**		
								¶626067009
ISC	**VII**	**26 03 52 02.1–.14**	**0.71S–.02**	**121.96E–.02**	**12**	**5.6b,5.3s**	**1452**	**0-177**
MOS	VII	26 03 51 59.9–.97	0.65S	121.96E	11	5.9b,5.1s		¶620846039
IDC	VII	26 03 51 59.8–.28	0.70S	121.88E	0	5.3b,5.3		
ISC-P	VII	26 03 52 02	0.67S	121.91E	12–1	6.1,5.3		
NEIC	VII	26 03 52 02.3–2.9	0.67S–.04	121.91E–.04	10–2	5.7,5.7b		
NEIC	VII	26 03 52 03.5	0.72S	121.95E	18	5.7,5.7b		
PTWC	VII	26 03 52 03	0.70S	122.00E	10	5.9,5.7b		
NEIC	VII	26 03 52 03.3	0.70S	121.93E	17	5.9,5.7b		
GFZ	VII	26 03 52 04.0–.14	1S–2.0	122E–2.0	10	5.8b,5.7		
GCMT	VII	26 03 52 05.8–.10	0.64S	121.95E	12–0	5.8W,5.7		
DJA	VII	26 03 52 05.0–.10	1S–1.0	122E–1.0	22–1	6.2b,6.2		
GFZ	VII	26 03 52 07.6	0.73S	121.97E	10	5.7W,6.2		
NEIC	VII	26 03 52 10.6	0.72S	122.05E	16	5.8,6.2		

ISC Event type se.

MOS Error ellipse: s-maj=7.6km s-min=4.4km az=111.6.

IDC Error ellipse: s-maj=10.3km s-min=6.2km az=74.0.

ISC-P Moment Tensor Solution. s47 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.61±.15 $M_{\theta\theta}$0.04±.18; $M_{\phi\phi}$0.59±.17; $M_{r\theta}$0.30±.17; $M_{\theta\phi}$0.01±.29; $M_{\phi r}$-0.22±.15; NP1:ϕ_s319.30000°,δ53.30000°,λ241.80000°. NP2:ϕ_s181.10000°,δ45.00000°,λ-57.70000°. $M_0$1.88000×10^{18}

NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.1km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.02 $M_{\theta\theta}$2.50 $M_{\phi\phi}$0.52 $M_{r\theta}$1.67 $M_{\theta\phi}$-2.52 $M_{\phi r}$-1.49 NP1:ϕ_s116.21000°,δ29.68000°,λ-102.03000°. NP2:ϕ_s310.00000°,δ61.03000°,λ-83.22000°. Principal axes: T 4.8414,Plg16.0000°,Azm35.0000°; N -1.1659,Plg6.0000°,Azm127.0000°; P -3.6755,Plg73.0000°,Azm237.0000° $M_0$4.38000×10^{17}

NEIC Event type se.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107260352A. Moment Tensor Solution. s132,c272; s163,c474;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.78±.04 $M_{\theta\theta}$4.28±.04; $M_{\phi\phi}$-0.49±.04; $M_{r\theta}$1.44±.10; $M_{\theta\phi}$-3.49±.03; $M_{\phi r}$-0.05±.11; Best double couple: NP1:ϕ_s138.00000°,δ41.00000°,λ-61.00000°. NP2:ϕ_s281.00000°,δ55.00000°,λ-113.00000°. Principal axes: T 6.2880,Plg7.0000°,Azm27.0000°; N -2.1260,Plg19.0000°,Azm295.0000°
; P -4.1600,Plg70.0000°,Azm138.0000° $M_0$5.22400×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.91 $M_{\theta\theta}$3.09 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.64 $M_{\theta\phi}$-2.68 $M_{\phi r}$0.28 NP1:ϕ_s139.68118°,δ45.67478°,λ-60.12434°. NP2:ϕ_s280.25588°,δ51.66074°,λ-117.02124°. Principal axes: T 4.6234,Plg3.1785°,Azm29.0246°; N -1.4737,Plg20.8760°,Azm297.8110°
; P -3.1497,Plg68.8608°,Azm127.2821° $M_0$4.09074×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.00 $M_{\theta\theta}$4.04 $M_{\phi\phi}$-0.04 $M_{r\theta}$3.38 $M_{\theta\phi}$-2.82 $M_{\phi r}$-0.81 NP1:ϕ_s131.79000°,δ28.72000°,λ-67.37000°. NP2:ϕ_s286.36000°,δ63.67000°,λ-101.90000°. Principal axes: T 6.5709,Plg18.0000°,Azm25.0000°; N -1.3287,Plg11.0000°,Azm292.0000°
; P -5.2422,Plg69.0000°,Azm172.0000° $M_0$6.02000×10^{17}

ISC	**VII**	**25 03 06 54.9–.88**	**0.25S–.03**	**122.94E–.03**	**105–7**	**3.1b**	**91**	**1-39**
IDC	VII	25 03 06 55.0–4.6	0.12S	122.73E	115–53	3.6,3.1b		¶620973740
DJA	VII	25 03 06 55.4–.20	0S–1.0	123E–1.0	91–4	4.4b,4.2		
ISC	Event type se.							
ISC	**VII**	**26 13 50 01.7–.57**	**0.72S–.02**	**121.90E–.02**	**10**	**3.8b**	**104**	**1-63**
IDC	VII	26 13 49 59.1–.89	0.62S	121.92E	0	3.8,3.7b		¶620973848
NEIC	VII	26 13 50 02.8–.68	0.73S–.08	121.88E–.07	12–8	4.2b,3.7b		
DJA	VII	26 13 50 03.3–.40	1S–1.0	122E–1.0	10–3	6.2b,5.9		
ISC	Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**26 13 56 29.4–.89**	**0.66S–.03**	**121.96E–.03**	**10**		**55**	**1-38**
IDC	VII	26 13 56 00.5–1.6	2.97N	122.43E	0	5.2L,3.7		¶620973849
DJA	VII	26 13 56 29.6–.50	1S–1.0	122E–2.0	10–4	3.6,3.6		
ISC	Event type se.							
ISC	**VII**	**26 15 42 28.8–1.6**	**0.68S–.03**	**121.99E–.03**	**7–11**	**4.0b**	**98**	**1-69**
IDC	VII	26 15 42 27.3–.89	0.69S	121.98E	0	3.8L,3.7		¶620973854
NEIC	VII	26 15 42 29.7–1.0	0.75S–.07	122.03E–.07	10–1	4.3b,3.7		
DJA	VII	26 15 42 30.6–.20	1S–1.0	122E–1.0	10	4.0,4.0		
ISC	Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**26 15 52 50.7–1.4**	**0.79S–.02**	**121.90E–.03**	**10–11**	**3.5b**	**68**	**1-59**
IDC	VII	26 15 52 45.9–2.0	0.87N	124.71E	0	3.4b,3.4		¶620973855
DJA	VII	26 15 52 51.2–.10	1S–1.0	122E–1.0	10	3.9,3.9		
ISC	Event type se.							
DJA	**VII**	**26 20 20 05.9–.10**	**1S–1.0**	**122E–1.0**	**10**	**3.6,3.6**		
								¶626067066
ISC	**VII**	**26 12 09 07.5–.32**	**0.74S–.02**	**121.95E–.02**	**25–2**	**6.0b,5.9s**	**2046**	**1-177**
PRE	VII	26 12 08 30.3–2.1	3.67N	126.80E	5	6.0b,5.9s		¶620846772
BJI	VII	26 12 09 04.4	0.80S	121.95E	10	6.4b,6.2s		
MOS	VII	26 12 09 04.4–1.0	0.65S	121.93E	15	6.2b,5.8s		
IPGP	VII	26 12 09 06.0	0.75S	121.93E	13	6.2W,5.8s		
NEIC	VII	26 12 09 06.7–2.6	0.77S–.05	121.91E–.04	11–1	6.2,6.0b		
NEIC	VII	26 12 09 06.3	0.76S	121.91E	9	6.2,6.0b		
NEIC	VII	26 12 09 06.6	0.75S	121.93E	11	6.2,6.0b		
GFZ	VII	26 12 09 06.7	0.67S	121.97E	11	6.2W,6.0b		
GFZ	VII	26 12 09 07.4–.14	1S–2.0	122E–2.0	10	6.3,6.1b		
DJA	VII	26 12 09 07.1–.10	1S–1.0	122E–1.0	13–1	6.7b,6.6		
IDC	VII	26 12 09 08.9–1.6	0.73S	121.96E	34–11	5.8s,5.6		
PTWC	VII	26 12 09 09	0.80S	121.90E	10	6.6,5.6		
GCMT	VII	26 12 09 10.4–.00	0.68S	121.97E	12	6.2W,5.6		
NEIC	VII	26 12 09 17.9	0.75S	121.93E	14	6.3,5.6		

ISC Event type se.

PRE Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.

MOS Error ellipse: s-maj=7.2km s-min=4.2km az=111.2.

IPGP Moment Tensor Solution. NP1:ϕ_s137.00000°,δ42.00000°,λ-70.00000°. NP2:ϕ_s290.00000°,δ51.00000°,λ-107.00000°.

NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.9km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-2.13 $M_{\theta\theta}$1.52 $M_{\phi\phi}$0.61 $M_{r\theta}$0.54 $M_{\theta\phi}$-1.15 $M_{\phi r}$0.05 NP1:ϕ_s294.82000°,δ51.10000°,λ-102.16000°. NP2:ϕ_s133.75000°,δ40.47000°,λ-75.37000°. Principal axes: T 2.3443,Plg5.0000°,Azm33.0000°; N -0.1166,Plg9.0000°,Azm303.0000°; P -2.2277,Plg79.0000°,Azm153.0000° $M_0$2.29000×10^{18}

NEIC Event type se.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.90 $M_{\theta\theta}$1.56 $M_{\phi\phi}$0.34 $M_{r\theta}$0.40 $M_{\theta\phi}$-1.10 $M_{\phi r}$0.19 NP1:ϕ_s132.71250°,δ42.93898°,λ-71.85902°. NP2:ϕ_s288.60160°,δ49.65730°,λ-106.15762°. Principal axes: T 2.2226,Plg3.4345°,Azm29.9707°; N -0.2284,Plg12.2455°,Azm299.2243°
; P -1.9942,Plg77.2675°,Azm135.3736° $M_0$2.11769×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

IDC Error ellipse: s-maj=8.8km s-min=6.2km az=73.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107261209A. Moment Tensor Solution. s162,c377; s167,c686;Duration: 3s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.22±.01 $M_{\theta\theta}$2.05±.01; $M_{\phi\phi}$0.17±.01; $M_{r\theta}$0.89±.03; $M_{\theta\phi}$-1.52±.01; $M_{\phi r}$0.32±.03; Best double couple: NP1:ϕ_s139.00000°,δ42.00000°,λ-59.00000°. NP2:ϕ_s280.00000°,δ55.00000°,λ-115.00000°. Principal axes: T 2.9750,Plg7.0000°,Azm28.0000°; N -0.4120,Plg20.0000°,Azm295.0000°
; P -2.5590,Plg69.0000°,Azm136.0000° $M_0$2.76700×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 6s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.62 $M_{\theta\theta}$2.42 $M_{\phi\phi}$0.21 $M_{r\theta}$0.58 $M_{\theta\phi}$-1.70 $M_{\phi r}$0.75 NP1:ϕ_s139.26000°,δ47.63000°,λ-59.37000°. NP2:ϕ_s277.95000°,δ50.53000°,λ-119.19000°. Principal axes: T 3.3431,Plg2.0000°,Azm28.0000°; N -0.3358,Plg22.0000°,Azm298.0000°
; P -3.0073,Plg68.0000°,Azm122.0000° $M_0$3.19000×10^{18}

ISC	**VII**	**26 17 10 10.2–1.2**	**0.67S–.03**	**121.94E–.03**	**11–8**	**4.5b,3.6s**	**168**	**1-100**
IDC	VII	26 17 10 07.7–.57	0.66S	121.98E	0	4.2,4.1b		¶620846785
DJA	VII	26 17 10 10.4–.10	1S–1.0	122E–1.0	10	5.5b,5.0b		
NEIC	VII	26 17 10 10.8–1.8	0.67S–.06	121.93E–.05	10–1	4.7b,5.0b		
ISC	Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**26 17 42 07.0–1.5**	**0.67S–.03**	**121.95E–.02**	**9–11**	**3.9b**	**91**	**1-63**
IDC	VII	26 17 42 05.7–1.1	0.68S	121.87E	0	3.9L,3.6		¶620973864
DJA	VII	26 17 42 07.8–.20	1S–1.0	122E–1.0	10	3.9,3.9		
NEIC	VII	26 17 42 07.2–1.7	0.71S–.07	121.96E–.05	10–1	4.2b,3.9		
ISC	Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**27 18 32 26.6–1.3**	**0.65S–.03**	**121.99E–.04**	**13–9**	**4.3b**	**111**	**1-120**
IDC	VII	27 18 32 24.4–.66	0.66S	122.02E	0	4.1b,4.1		¶620978975
NEIC	VII	27 18 32 26.5–1.4	0.66S–.05	121.96E–.04	10–1	4.5b,4.1		
DJA	VII	27 18 32 27.2–.20	1S–1.0	122E–1.0	10	5.0b,4.7b		
ISC	Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**26 12 59 27.5–.63**	**0.74S–.03**	**121.95E–.04**	**10**	**4.0b**	**79**	**1-63**
IDC	VII	26 12 59 25.7–.97	0.76S	121.93E	0	4.1L,3.8		¶620973846
NEIC	VII	26 12 59 28.0–.97	0.75S–.06	121.98E–.07	10–1	4.3b,3.8		
DJA	VII	26 12 59 28.9–.70	1S–2.0	122E–2.0	11–6	4.4b,4.2		
ISC	Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**27 00 12 19.3–.97**	**0.07S–.05**	**123.34E–.04**	**143–7**	**3.4b**	**31**	**1-59**
IDC	VII	27 00 12 02.6–1.8	0.80N	124.42E	0	3.5s,3.4b		¶620978937
DJA	VII	27 00 12 19.9–.40	0S–2.0	123E–2.0	131–4	4.0,4.0		
ISC	Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**27 21 40 59.6–.75**	**0.67S–.04**	**122.04E–.03**	**10**	**3.7b**	**51**	**1-69**
IDC	VII	27 21 40 56.8–.96	0.83S	121.82E	0	3.7s,3.6b		¶620978987
DJA	VII	27 21 41 00.0–.20	1S–2.0	122E–2.0	10	3.9,3.9		
ISC	Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**30 10 07 46.6–1.1**	**1.52N–.09**	**124.41E–.08**	**245–12**	**3.8b**	**40**	**3-92**
IDC	VII	30 10 07 44.2–3.7	1.43N	124.22E	223–38	4.1,3.6b		¶620986058
NEIC	VII	30 10 07 46.8–.85	1.54N–.10	124.43E–.09	238–2	4.2b,3.6b		
ISC	Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**28 13 34 46.4–2.7**	**0.64S–.03**	**121.80E–.03**	**5–18**	**4.2b**	**102**	**1-89**
NEIC	VII	28 13 34 47.5–.98	0.58S–.06	121.84E–.08	10–1	4.4b		¶620979618
DJA	VII	28 13 34 48.3–.10	1S–1.0	122E–1.0	10	5.3b,4.7		
IDC	VII	28 13 34 52.1–2.4	0.64S	121.94E	46–26	3.9,3.7L		
ISC	Event type se.							

NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.2km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=19.5km s-min=16.6km az=104.0.

ISC	**VII**	**31 01 28 38.9–.83**	**0.30S–.03**	**123.74E–.03**	**86–8**	**3.6b**	**80**	**1-59**
DJA	VII	31 01 28 39.4–.20	0S–2.0	124E–1.0	69–5	4.3b,4.3		¶620986102
IDC	VII	31 01 28 41.7–4.2	0.30S	123.56E	126–44	3.8,3.7s		
ISC	Event type se.							

IDC Error ellipse: s-maj=38.2km s-min=20.1km az=70.0.

ISC	**VII**	**31 05 29 22.2–.59**	**1.97N–.05**	**124.18E–.04**	**307–6**	**4.2b**	**108**	**1-89**
IDC	VII	31 05 29 14.9–3.1	1.98N	124.09E	226–35	4.3,3.7b		¶620986110
DJA	VII	31 05 29 20.8–.30	2N–3.0	124E–2.0	314–3	5.8b,5.4		
NEIC	VII	31 05 29 21.6–1.2	1.97N–.09	124.14E–.02	299–9	4.2b,5.4		
ISC	Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**01 13 56 53.9–.50**	**0.68S–.03**	**121.83E–.04**	**10**	**4.0b**	**72**	**1-89**
IDC	VIII	01 13 56 52.1–.89	0.69S	121.86E	0	4.0L,3.7b		¶620986219
NEIC	VIII	01 13 56 55.1–1.5	0.70S–.06	121.87E–.04	13–3	4.3b,3.7b		
DJA	VIII	01 13 56 55.1–.20	1S–2.0	122E–2.0	10	4.0,4.0		
ISC	Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**02 04 41 23.4–.35**	**0.68S–.03**	**121.94E–.03**	**10**	**4.6b**	**258**	**0-160**
IDC	VIII	02 04 41 21.4–.54	0.68S	121.96E	0	4.4,4.3L		¶620925869
NEIC	VIII	02 04 41 23.7–1.8	0.60S–.06	122.01E–.05	10–1	4.8b,4.3L		

GFZ VIII 02 04 41 23.5–.11 1S–1.0 122E–2.0 10 4.8b,4.6
DJA VIII 02 04 41 24.8–.10 1S–1.0 122E–1.0 10 5.4b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 02 04 44 40.8–.50 0.70S–.04 121.90E–.04 10 4.5b 75 1-90
IDC VIII 02 04 44 38.5–.72 0.68S 121.98E 0 4.2b,4.2 **¶620993202**
NEIC VIII 02 04 44 41.7–2.3 0.66S–.08 121.90E–.07 10–1 4.5b,4.2
DJA VIII 02 04 44 42.3–.20 1S–2.0 122E–2.0 10 4.4,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VIII 10 06 56 11.0–.30 0N–2.0 120E–2.0 36–7 4.2b,3.8
¶626188230
ISC VIII 09 06 08 31.4–1.1 0.23S–.05 123.07E–.05 50 3.2b 21 1-59
IDC VIII 09 06 08 23.1–1.9 0.28N 123.86E 0 3.3,3.2b **¶621007231**
DJA VIII 09 06 08 32.1–.60 0S–3.0 123E–4.0 68–15 3.7,3.7
ISC Event type se.
ISC VIII 10 00 15 21.6–1.1 1.3N–.20 124.4E–.50 235 3.4b 6 19-63
IDC VIII 10 00 14 57.4–1.0 1.54N 124.26E 0 3.8L,3.7 **¶621008085**
ISC Event type se.
IDC Error ellipse: s-maj=68.9km s-min=18.6km az=72.0.
ISC VIII 03 05 23 24.0–.81 0.63S–.04 122.01E–.03 10 3.4b 39 0-59
IDC VIII 03 05 23 22.4–1.6 0.65S 121.94E 0 3.8L,3.6 **¶620995848**
DJA VIII 03 05 23 24.6–.20 1S–2.0 122E–3.0 10 3.7,3.7
ISC Event type se.
DJA VIII 10 11 24 57.0–.20 0N–2.0 125E–1.0 57–5 4.0b,3.9
¶626188219
DJA VIII 26 23 20 26.8–.20 1S–2.0 122E–2.0 10 4.7b,4.2
¶626189360
ISC VIII 21 04 43 13.1–.99 0.27N–.09 121.78E–.07 200 3.8b 15 0-58
IDC VIII 21 04 42 51.4–1.6 0.76N 122.49E 0 4.3L,3.9 **¶621042969**
DJA VIII 21 04 43 20.1–1.4 0N–8.0 122E–4.0 125–20 3.5,3.5
ISC Event type se.
ISC VIII 22 10 41 58.9–.75 0.04N–.04 124.45E–.04 73 3.7b 38 1-59
IDC VIII 22 10 41 50.5–.93 0.12N 124.44E 0 3.8,3.7b **¶621043077**
DJA VIII 22 10 41 59.5–.30 0N–3.0 124E–2.0 63–7 4.2,4.2
ISC Event type se.
DJA VIII 22 23 39 54.6–.30 0N–3.0 121E–2.0 52–9 4.0b,3.7
¶626189069
DJA VIII 23 16 12 08.2–.20 0S–2.0 123E–2.0 176–3 4.5b,4.1b
¶626189166
ISC VIII 26 02 14 22.8–.33 0.80S–.02 121.57E–.03 20–1 5.3s,5.3b 1025 0-177
BJI VIII 26 02 14 18.5 1.01S 121.80E 13 5.5b,5.4s **¶621007937**
IDC VIII 26 02 14 19.1–.34 0.79S 121.59E 0 5.0s,4.9b
MOS VIII 26 02 14 19.5–1.0 0.73S 121.63E 9 5.4b,5.1s
DJA VIII 26 02 14 21.7–.10 1S–1.0 122E–1.0 10 6.0b,5.9
PTWC VIII 26 02 14 21 0.80S 121.50E 10 6.1,5.9
ISC-P VIII 26 02 14 22 0.84S 121.53E 22–1 6.0,5.9
NEIC VIII 26 02 14 22.5 0.85S 121.54E 10 6.0,5.9
GFZ VIII 26 02 14 22.5 0.83S 121.61E 11 5.7W,5.9
GFZ VIII 26 02 14 22.5–.11 1S–2.0 122E–2.0 10 5.4,5.4b
NEIC VIII 26 02 14 22.1–1.7 0.84S–.03 121.53E–.04 8–1 5.7,5.7
GCMT VIII 26 02 14 24.3–.10 0.73S 121.52E 12 5.8W,5.7
ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=8.4km az=80.0.
MOS Error ellipse: s-maj=8.1km s-min=4.6km az=111.2.
ISC-P Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}0.45±.10 $M_{\theta\theta}$0.77±.20; $M_{\phi\phi}$-0.21±.14; $M_{r\theta}$-0.22±.20; $M_{\theta\phi}$-0.14±.14; $M_{\phi r}$-0.11±.11; NP1:ϕ_s323.00000°,δ61.30000°,λ9.60000°. NP2:ϕ_s228.30000°,δ81.60000°,λ151.00000°. $M_0$1.20000×10^{18}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.73 $M_{\theta\theta}$4.64 $M_{\phi\phi}$-2.91 $M_{r\theta}$1.40 $M_{\theta\phi}$-0.52 $M_{\phi r}$0.45 NP1: ϕ_s138.58508°,δ64.70016°,λ-9.10902°. NP2:ϕ_s232.50487°,δ81.77107°,λ-154.41808°. Principal axes: T 4.9524,Plg11.5942°,Azm3.1274°; N -1.7652,Plg63.2123°,Azm249.1502° ; P -3.1872,Plg23.7905°,Azm98.3168° $M_0$4.34744×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.2km az=251.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.51 $M_{\theta\theta}$3.47 $M_{\phi\phi}$-3.98 $M_{r\theta}$1.48 $M_{\theta\phi}$0.50 $M_{\phi r}$-0.18 NP1:ϕ_s133.31000°,δ77.21000°,λ18.76000°. NP2:ϕ_s39.01000°,δ71.72000° ,λ166.51000°. Principal axes: T 4.0990,Plg22.0000°,Azm357.0000°; N -0.0657,Plg67.0000° ,Azm166.0000°; P -4.0334,Plg4.0000°,Azm265.0000° $M_0$4.07000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108260214A. Moment Tensor Solution. s142,c286; s165,c376;Duration: 1τ8 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.10±.04 $M_{\theta\theta}$6.12±.03; $M_{\phi\phi}$-4.02±.04; $M_{r\theta}$2.34±.10; $M_{\theta\phi}$-0.33±.04; $M_{\phi r}$0.08±.11; Best double couple: NP1: ϕ_s138.00000°,δ75.00000°,λ6.00000°. NP2:ϕ_s47.00000°,δ84.00000°,λ165.00000°. Principal axes: T 6.7480,Plg15.0000°,Azm2.0000°; N -2.7010,Plg74.0000°,Azm205.0000° ; P -4.0460,Plg6.0000°,Azm93.0000° $M_0$5.39700×10^{17}
IDC VIII 15 10 09 07.5–1.8 0.84N 122.47E 0 3.3b,3.3
¶621023588
IDC Error ellipse: s-maj=244.3km s-min=27.9km az=61.0.
DJA VIII 17 17 17 58.3–.30 0N–2.0 124E–2.0 58–8 4.9b,4.3b
¶626188710
ISC VIII 17 17 24 01.4–.91 0.59N–.04 120.66E–.03 66–9 3.7b 71 1-61
IDC VIII 17 17 23 51.9–1.1 0.80N 121.15E 0 3.9L,3.7 **¶621030287**
DJA VIII 17 17 24 01.0–.30 1N–2.0 121E–2.0 15–4 5.1b,4.8b
ISC Event type se.
ISC VIII 12 17 21 02.5–1.4 0.55N–.03 119.60E–.04 10–9 3.9b 96 1-87
IDC VIII 12 17 20 59.9–.67 0.53N 120.01E 0 3.6L,3.6b **¶620984176**
NEIC VIII 12 17 21 03.1–2.1 0.60N–.06 119.68E–.05 10–1 4.4b,3.6b
DJA VIII 12 17 21 04.0–.30 0N–2.0 120E–3.0 10 5.0b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VIII 16 20 07 40.7–.20 0S–2.0 123E–2.0 45–12 4.8b,4.2b
¶626188649
DJA VIII 21 15 31 10.9–.40 1N–3.0 121E–2.0 10 4.1b,3.8
¶626189008
ISC VIII 22 11 07 23.4–.42 1.44N–.04 120.85E–.04 37 4.5b,3.3s 148 0-99
IDC VIII 22 11 07 18.3–.72 1.38N 121.00E 0 4.5L,4.3 **¶620999535**
DJA VIII 22 11 07 21.6–.50 2N–3.0 121E–2.0 18–3 5.0b,4.9b
GFZ VIII 22 11 07 22.9–.27 1N–3.0 121E–2.0 35–2 4.6b,4.5
NEIC VIII 22 11 07 24.6–1.1 1.37N–.06 120.82E–.08 38–6 4.5b,4.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 15 00 49 49.4–.23 1.09N–.03 122.18E–.03 57–1 5.1b,4.2s 1111 0-176
BJI IX 15 00 49 47.9 0.89N 121.99E 61 5.4b,4.9b **¶621073512**
MOS IX 15 00 49 47.5–.92 1.15N 122.16E 52 5.2b,4.9b
DJA IX 15 00 49 49.4–.10 1N–1.0 122E–1.0 60–2 5.8b,5.7
NEIC IX 15 00 49 49.2–2.4 1.16N–.06 122.12E–.05 46–4 5.2b,5.1
IDC IX 15 00 49 49.4–.59 1.11N 122.16E 56–5 4.8,4.4b
GCMT IX 15 00 49 49.1–.20 1.30N–.01 122.05E–.01 40–0 5.2W,4.4b
GFZ IX 15 00 49 50.7–.32 1N–2.0 122E–2.0 61–3 5.5L,5.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109150049A. Moment Tensor Solution. s80,c132; s123,c213;Duration: 1τ0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.39±.19 $M_{\theta\theta}$-0.32±.13; $M_{\phi\phi}$-4.07±.15; $M_{r\theta}$-3.57±.13; $M_{\theta\phi}$-5.41±.10; $M_{\phi r}$1.25±.15; Best double couple: NP1:ϕ_s2.00000° ,δ53.00000°,λ35.00000°. NP2:ϕ_s249.00000°,δ62.00000°,λ138.00000°. Principal axes: T 7.6600,Plg49.0000°,Azm211.0000°; N 0.3610,Plg41.0000°,Azm42.0000° ; P -8.0170,Plg5.0000°,Azm307.0000° $M_0$7.83900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 27 03 12 41.3–.62 0.24N–.04 122.38E–.04 165–5 4.5b 157 1-93
NEIC VIII 27 03 12 41.0–2.6 0.27N–.09 122.4E–.10 155–7 4.5b **¶621008325**
GFZ VIII 27 03 12 40.8–.22 0N–3.0 122E–3.0 165–2 4.3b,4.3
DJA VIII 27 03 12 41.7–.30 0N–2.0 122E–2.0 155–4 4.8b,4.5b
IDC VIII 27 03 12 43.1–2.8 0.21N 122.46E 183–25 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=7.8km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.6km s-min=5.6km az=179.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=45.7km s-min=10.6km az=63.0.
IDC IX 06 21 12 55.6–8.2 1.36N 121.83E 0 3.9b,3.9
¶621094285
IDC Error ellipse: s-maj=491.5km s-min=183.1km az=59.0.
ISC IX 10 20 36 49.9–.61 0.18N–.08 121.7E–.10 180 3.6b 28 1-84
IDC IX 10 20 36 30.5–.92 0.45N 122.01E 0 4.5L,3.7 **¶621108542**
NEIC IX 10 20 36 50.4–1.5 0.17N–.07 121.75E–.06 180–7 4.2b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 03 12 28.3–.57 0.34N–.09 122.1E–.10 200 4.3b 34 1-92
NEIC IX 02 03 12 27.7–1.2 0.3N–.10 122.1E–.10 183–5 4.7b **¶621080655**
IDC IX 02 03 12 31.0–6.0 0.37N 122.39E 225–61 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=8.6km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.1km s-min=12.4km az=62.0.
ISC IX 03 19 03 45.4–1.1 0.5N–.10 124.0E–.20 218 3.5b 7 7-63
IDC IX 03 19 03 41.0–5.8 0.54N 123.77E 168–61 3.7,3.2b **¶621081586**
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=17.4km az=81.0.
IDC IX 05 03 06 28.8–19 1.16N 120.25E 0 4.1L,4.0b
¶621086376
IDC Error ellipse: s-maj=337.6km s-min=57.1km az=132.0.
IDC VIII 28 09 08 38.9–27 1.37N 123.33E 383–329 3.7,2.9b
¶621073097
IDC Error ellipse: s-maj=192.2km s-min=34.6km az=48.0.
DJA VIII 28 10 47 42.2–.30 0S–2.0 124E–2.0 64–7 3.9,3.9b
¶626189594
ISC IX 01 13 40 38.8–.85 0.04S–.06 123.86E–.05 102–8 4.1b 67 1-93
IDC IX 01 13 40 39.1–1.7 0.00S 123.84E 107–16 4.5s,4.1 **¶621080624**
NEIC IX 01 13 40 39.5–1.8 0.08S–.07 123.88E–.05 101–3 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 07 10 35 47.1–.81 0.52S–.09 123.0E–.10 78 4.0b 11 5-59
IDC IX 07 10 35 45.8–3.0 0.49S 122.95E 62–30 4.3L,4.0 **¶621094318**
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=17.1km az=60.0.
ISC IX 18 08 28 55.7–1.4 1.5N–.10 122.0E–.10 450 3.3b 18 1-38
IDC IX 18 08 27 52.4–4.2 4.43N 122.57E 0 3.7b,3.7 **¶626358611**
DJA IX 18 08 28 57.2–1.3 2N–11 122E–8.0 466–14 5.0b,4.4b
ISC Event type se.
ISC IX 15 16 30 49.1–.62 0.34N–.04 123.94E–.04 209–6 3.9b 92 0-63
NEIC IX 15 16 30 49.2–1.9 0.38N–.09 123.88E–.08 201–10 4.1b **¶621111999**
IDC IX 15 16 30 49.6–2.4 0.39N 123.87E 215–26 4.0,3.4b
DJA IX 15 16 30 49.7–.20 0N–2.0 124E–1.0 196–3 5.0b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 17 13 19 56.3–9.7 0.89N 123.86E 0 3.6,3.5b
¶621112964
IDC Error ellipse: s-maj=190.4km s-min=147.9km az=59.0.
ISC IX 18 03 40 35.7–1.0 0.75N–.07 120.16E–.07 10 3.5b 22 1-81
IDC IX 18 03 40 34.7–1.5 0.89N 120.67E 0 4.0s,3.6L **¶621113543**
DJA IX 18 03 40 34.4–.90 1N–7.0 120E–7.0 10 4.1,4.1
ISC Event type se.
ISC IX 22 07 03 55.6–.60 0.00N–.04 123.32E–.05 160–5 4.2b 145 1-116
IDC IX 22 07 03 55.9–1.8 0.06N 123.34E 162–16 4.2,3.7b **¶621106365**
DJA IX 22 07 03 56.5–.20 0S–2.0 123E–1.0 147–3 4.9b,4.7
NEIC IX 22 07 03 56.0–1.5 0.02N–.07 123.32E–.06 158–6 4.5b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 19 13 36 59.1–.41 0.36N–.04 123.97E–.06 218 4.3b 123 0-90
NEIC IX 19 13 36 58.8–.99 0.37N–.08 123.96E–.07 205–7 4.4b **¶621083132**
DJA IX 19 13 36 59.0–.30 0N–4.0 124E–2.0 206–5 4.3b,4.2
IDC IX 19 13 37 00.9–4.5 0.40N 123.84E 246–47 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=10.7km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.2km s-min=10.0km az=71.0.
DJA IX 27 03 44 33.3–.50 0N–6.0 124E–3.0 69–28 6.2b,5.9
¶626359032
DJA X 08 01 56 24.7–.10 0S–1.0 122E–1.0 10 4.5b,4.0
¶626703381
ISC IX 30 07 53 35.5–.59 0.93N–.07 124.15E–.09 200 4.1b 37 2-73
NEIC IX 30 07 53 37.5–.66 0.87N–.09 124.07E–.04 219–9 4.2b **¶621147750**
IDC IX 30 07 53 39.6–6.1 0.81N 124.03E 245–64 4.2,4.2s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.7km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=63.4km s-min=14.0km az=67.0.
DJA X 04 10 10 01.5–.30 0S–3.0 124E–2.0 134–4 5.0b,4.3
¶626703110
DJA X 04 14 51 01.9–.60 0S–2.0 122E–2.0 19–6 3.1,3.1
¶626703106
ISC X 06 19 35 46.8–.96 0.23N–.06 123.88E–.06 205–7 3.4b 26 0-59
IDC X 06 19 35 24.5–1.8 1.02N 124.83E 0 3.6L,3.6b **¶621217168**
DJA X 06 19 35 47.9–.50 0N–4.0 124E–3.0 192–4 3.2,3.2
ISC Event type se.
ISC IX 28 16 41 35.6–1.5 1.75N–.05 121.48E–.04 9–10 4.3b 52 1-45
NEIC IX 28 16 41 36.5–1.1 1.66N–.07 121.52E–.08 12–6 4.3b **¶621140837**
DJA IX 28 16 41 41.6–.40 1N–3.0 121E–2.0 10 3.8,3.8
IDC IX 28 16 41 48.2–9.2 0.04S 121.42E 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.5km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=191.9km s-min=142.4km az=51.0.
ISC X 03 05 15 17.7–1.1 0.17N–.06 122.05E–.05 150 3.2b 20 0-58
IDC X 03 05 14 56.3–1.8 0.60N 122.42E 0 3.7L,3.5 **¶621186113**
DJA X 03 05 15 17.4–.60 0N–4.0 122E–3.0 165–6 3.0,3.0
ISC Event type se.
ISC X 05 18 28 17.9–.60 0.24N–.04 122.44E–.04 151–5 4.1b 91 1-68
NEIC X 05 18 28 18.2–1.3 0.21N–.04 122.43E–.05 151–8 4.4b **¶621203186**
DJA X 05 18 28 20.6–.40 0N–2.0 122E–2.0 125–4 3.9b,3.9
IDC X 05 18 28 20.5–6.3 0.19N 122.37E 176–61 3.9,3.5s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.3km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=83.7km s-min=13.0km az=58.0.
ISC X 10 15 11 15.7–1.0 0.36N–.07 122.02E–.05 177–7 3.3b 26 0-58

IDC X 10 15 10 56.0–1.6 0.13N 121.51E 0 3.4b,3.4 ¶621235390
DJA X 10 15 11 17.3–.50 0N–4.0 122E–2.0 162–5 3.2,3.2
ISC Event type se.
DJA X 08 15 28 00.7–.40 0S–1.0 122E–1.0 24–6 4.0b,3.8
¶626703359
ISC X 09 05 38 19.9–.67 1.30N–.04 121.30E–.04 56–6 4.5b 143 0-149
IDC X 09 05 38 19.7–2.6 1.22N 121.53E 59–24 4.3,4.1L ¶621235305
NEIC X 09 05 38 20.5–1.6 1.18N–.07 121.27E–.06 58–7 4.6b,4.1L
DJA X 09 05 38 20.3–.30 1N–2.0 121E–2.0 37–3 5.4b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 08 16 23 52.5–.98 0.22N–.03 119.83E–.04 49–9 3.4b 44 0-61
IDC X 08 16 23 42.5–1.9 3.02N 125.40E 0 3.5b,3.5 ¶626703357
DJA X 08 16 23 52.2–.30 0N–2.0 120E–2.0 29–3 4.2b,3.8
ISC Event type se.
IDC X 10 18 26 18.1–2.8 1.02N 123.38E 0 3.8L,3.3
¶621235399
IDC Error ellipse: s-maj=124.4km s-min=26.9km az=55.0.
IDC X 16 00 47 18.6–1.4 0.27N 124.88E 0 4.1L,3.5
¶621242094
IDC Error ellipse: s-maj=38.8km s-min=23.0km az=74.0.
ISC X 10 23 52 10.4–.81 0.28N–.06 121.97E–.04 187–6 3.4b 35 0-62
IDC X 10 23 51 50.1–1.0 0.51N 122.16E 0 3.7b,3.7 ¶621235411
DJA X 10 23 52 12.7–.50 0N–3.0 122E–2.0 165–5 3.4,3.4
ISC Event type se.
ISC X 13 14 46 14.6–.83 0.45N–.07 123.66E–.06 247–6 3.6b 28 0-63
IDC X 13 14 46 14.2–3.4 0.60N 123.96E 244–31 3.6,3.1b ¶621238981
DJA X 13 14 46 14.9–.50 0N–5.0 124E–4.0 239–4 3.4,3.4
ISC Event type se.
ISC X 15 15 13 16.6–.84 0.23N–.06 121.84E–.05 200 3.5b 41 0-58
IDC X 15 15 13 17.1–7.2 0.21N 121.92E 210–70 3.8,3.2b ¶621242066
DJA X 15 15 13 19.2–.60 0N–4.0 122E–3.0 182–6 3.8b,3.6
ISC Event type se.
ISC X 23 13 25 40.9–.76 0.90N–.05 121.98E–.03 10 3.6b 39 0-62
IDC X 23 13 25 38.7–1.2 0.86N 122.11E 0 3.7L,3.5 ¶621309374
DJA X 23 13 25 41.4–.30 1N–3.0 122E–2.0 10 4.4b,4.2
ISC Event type se.
DJA X 21 11 31 32.9–.30 0N–3.0 125E–2.0 55–8 3.7b,3.6
¶626704230
ISC X 25 02 30 47.7–.45 0.49N–.03 123.56E–.03 260–4 4.9b 522 0-164
BJI X 25 02 30 41.2 0.09S 123.91E 257 4.7b,4.4b ¶621238465
NEIC X 25 02 30 47.4–2.2 0.54N–.07 123.53E–.06 247–5 4.9b,4.4b
GFZ X 25 02 30 48.5–.25 1N–3.0 124E–3.0 249–3 5.2b,4.9b
IDC X 25 02 30 48.5–.98 0.52N 123.51E 264–9 5.0,4.4b
DJA X 25 02 30 48.9–.10 1N–2.0 124E–1.0 238–2 5.4,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 23 16 37 18.9–.94 0.13N–.06 123.70E–.05 150 3.1b 22 1-59
IDC X 23 16 37 03.5–1.9 0.73N 124.67E 0 3.4L,3.2 ¶621309384
DJA X 23 16 37 18.6–.80 0N–5.0 124E–3.0 140–8 3.3,3.3
ISC Event type se.
ISC X 24 20 04 26.4–.76 0.25N–.05 121.86E–.03 203–5 3.4b 58 0-81
IDC X 24 20 04 28.3–6.2 0.20N 122.05E 226–63 3.6,3.0b ¶621366409
DJA X 24 20 04 28.2–.30 0N–2.0 122E–1.0 188–3 3.3,3.3
ISC Event type se.
DJA X 26 22 59 40.3–.20 1S–1.0 122E–1.0 10 4.0b,3.9
¶626704621
DJA X 27 11 59 00.7–.30 0S–2.0 123E–2.0 80–5 4.5b,4.0b
¶626704693
IDC XI 04 07 05 07.9–1.7 0.43N 121.97E 0 3.3b,3.3
¶621412281
IDC Error ellipse: s-maj=223.4km s-min=27.1km az=61.0.
DJA X 27 20 11 43.5–.20 0S–3.0 123E–2.0 52–11 3.7b,3.7
¶626704684
IDC XI 01 06 26 55.7–1.7 0.15N 121.59E 0 3.5b,3.5
¶621401254
IDC Error ellipse: s-maj=218.8km s-min=27.5km az=60.0.
IDC X 28 22 54 15.7–1.5 1.07N 123.24E 0 3.6b,3.6
¶621391406
IDC Error ellipse: s-maj=288.8km s-min=28.7km az=62.0.
DJA X 30 01 23 36.4–.20 1S–1.0 121E–1.0 10 4.7b,4.1b
¶626704920
ISC XI 03 14 11 29.6–.27 0.28S–.03 123.99E–.03 84–2 5.2b 867 1-160
MOS XI 03 14 11 25.5–.80 0.20S 123.88E 62 5.3b ¶621261450
IDC XI 03 14 11 26.8–1.1 0.28S 123.84E 59–9 4.9,4.7b
NEIC XI 03 14 11 28.6–1.4 0.26S–.06 123.97E–.05 67–6 5.4b,4.9
GCMT XI 03 14 11 29.1–.20 0.32S–.01 123.99E–.02 65–1 5.0W,4.9
DJA XI 03 14 11 29.4–.10 0S–1.0 124E–1.0 64–1 5.8,5.6b
GFZ XI 03 14 11 29.1–.14 0S–2.0 124E–2.0 70 5.5L,5.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111031411A. Moment Tensor Solution. s71,c84; s97,c142; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.12±.09 $M_{\theta\theta}$-0.72±.08; $M_{\phi\phi}$-2.40±.08; $M_{r\theta}$1.33±.05; $M_{\theta\phi}$1.06±.07; $M_{\phi r}$-0.44±.07; Best double couple: NP1:ϕ_s347.00000°,δ38.00000°,λ114.00000°. NP2:ϕ_s139.00000°,δ56.00000°,λ73.00000°. Principal axes: T 3.5370,Plg73.0000°,Azm4.0000°; N -0.4650,Plg14.0000°,Azm148.0000°; P -3.0770,Plg9.0000°,Azm241.0000° M_o3.30700×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC XI 05 22 51 00.6–.94 0.31N–.06 122.19E–.05 200 3.4b 37 0-62
IDC XI 05 22 51 00.6–14 0.27N 122.35E 178–141 3.8L,3.6 ¶621413998
DJA XI 05 22 51 02.7–.50 0N–3.0 122E–3.0 161–5 3.5,3.5
ISC Event type se.
ISC XI 07 21 32 21.5–.61 0.04N–.04 123.75E–.04 136–5 4.0b 74 0-63
IDC XI 07 21 32 06.3–.97 0.57N 124.30E 0 4.2L,3.8b ¶621416052
NEIC XI 07 21 32 20.8–1.1 0.24N–.07 123.8E–.10 120–4 4.4b,3.8b
DJA XI 07 21 32 22.7–.30 0S–2.0 124E–1.0 113–4 4.0,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 07 13 00 51.3–.81 0.07S–.04 123.31E–.04 142–6 3.3b 49 1-59
IDC XI 07 13 00 49.8–8.9 0.06N 123.40E 129–87 3.4,2.9b ¶621416038
DJA XI 07 13 00 52.7–.30 0S–2.0 123E–2.0 126–4 6.2b,5.9
ISC Event type se.
ISC XI 16 03 42 30.3–.53 0.10S–.04 122.87E–.06 159–5 4.2b 140 1-127
NEIC XI 16 03 42 30.1–1.5 0.07S–.06 122.86E–.07 151–6 4.2b ¶621409300
IDC XI 16 03 42 30.4–.73 0.06S 122.98E 162–6 4.3,3.8b
DJA XI 16 03 42 30.2–.30 0S–3.0 123E–2.0 152–5 4.8b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 12 15 43 54.6–1.9 0.92N 124.01E 0 3.3b,3.3
¶621460214
IDC Error ellipse: s-maj=220.6km s-min=25.9km az=63.0.
ISC XI 10 17 40 12.8–.91 1.49N–.06 124.86E–.05 212–8 3.9b 43 0-73
IDC XI 10 17 40 06.2–13 1.94N 125.24E 152–123 3.8,3.4b ¶621440072
NEIC XI 10 17 40 12.6–1.5 1.62N–.09 124.88E–.09 204–6 4.1b,3.4b
DJA XI 10 17 40 13.2–.60 1N–5.0 125E–2.0 216–9 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 13 23 44 12.2–1.6 1.79N 124.27E 0 3.6b,3.6
¶621468623
IDC Error ellipse: s-maj=198.1km s-min=22.7km az=64.0.
ISC XI 08 05 06 00.0–.45 0.67S–.03 123.52E–.03 41–4 5.2b,4.0s 810 0-162

IDC XI 08 05 05 53.2–.34 0.63S 123.53E 0 4.7b,4.7 ¶621372560
MOS XI 08 05 05 56.7–1.0 0.57S 123.59E 30 5.2b,4.1s
NEIC XI 08 05 05 56.4–1.7 0.59S–.05 123.55E–.04 10–1 5.4b,4.1s
GFZ XI 08 05 05 57.1 0.52S 123.57E 50 5.0W,4.1s
GFZ XI 08 05 06 00.2–.26 1S–2.0 124E–2.0 42–2 5.7,5.7b
DJA XI 08 05 06 00.7–.20 1S–1.0 124E–1.0 28–2 5.7b,5.6
GCMT XI 08 05 06 01.9–.20 0.72S–.01 123.62E–.01 36–0 5.0W,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.32 $M_{\theta\theta}$2.40 $M_{\phi\phi}$-2.72 $M_{r\theta}$2.43 $M_{\theta\phi}$-0.00 $M_{\phi r}$2.30 NP1: ϕ_s137.20344°,δ37.44621°,λ4.54734°. NP2:ϕ_s43.59039°,δ87.23698°,λ127.35904°. Principal axes: T 4.2514,Plg36.5465°,Azm345.8730°; N -0.0678,Plg37.3082°,Azm221.4828°; P -4.1836,Plg31.8234°,Azm103.2597° M_o4.21793×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111080505A. Moment Tensor Solution. s55,c68; s108,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.63±.16 $M_{\theta\theta}$1.57±.11; $M_{\phi\phi}$-4.20±.11; $M_{r\theta}$1.97±.11; $M_{\theta\phi}$-1.08±.09; $M_{\phi r}$1.65±.12; Best double couple: NP1:ϕ_s158.00000°,δ40.00000°,λ37.00000°. NP2:ϕ_s38.00000°,δ67.00000°,λ124.00000°. Principal axes: T 4.1960,Plg54.0000°,Azm351.0000°; N 0.7430,Plg31.0000°,Azm204.0000°; P -4.9400,Plg15.0000°,Azm104.0000° M_o4.56800×10^{16}
ISC XI 19 14 46 03.0–.60 0.16N–.03 122.53E–.03 153–5 4.1b 136 1-90
NEIC XI 19 14 46 03.3–.95 0.16N–.09 122.58E–.08 149–8 4.3b ¶621425209
IDC XI 19 14 46 03.2–2.5 0.21N 122.72E 156–26 4.0,3.6b
DJA XI 19 14 46 04.1–.20 0N–2.0 123E–1.0 137–3 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XI 17 19 51 54.2–.30 1N–2.0 122E–1.0 38–3 4.4b,4.1
¶626705581
ISC XI 19 14 55 20.9–.71 0.38N–.06 124.06E–.04 150 3.8b 75 0-90
IDC XI 19 14 55 19.8–4.9 0.42N 124.00E 130–47 4.0,3.6b ¶621590296
DJA XI 19 14 55 21.3–.20 0N–3.0 124E–1.0 124–4 4.6b,4.3
ISC Event type se.
ISC XI 22 09 59 07.9–.52 0.58N–.06 122.27E–.04 114 4.2b 117 0-127
IDC XI 22 09 59 08.3–3.6 0.56N 122.47E 115–34 4.1,3.7b ¶621611901
NEIC XI 22 09 59 08.4–1.4 0.57N–.09 122.25E–.10 113–8 4.3b,3.7b
DJA XI 22 09 59 08.1–.30 1N–3.0 122E–2.0 106–6 4.8b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 20 16 56 13.6–.79 0.55N–.05 122.27E–.04 114 3.8b 56 0-62
DJA XI 20 16 56 13.7–.30 1N–3.0 122E–2.0 113–7 4.9b,4.2 ¶621590368
IDC XI 20 16 56 14.2–4.9 0.54N 122.48E 122–47 3.7,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=15.2km az=61.0.
ISC XI 23 19 59 42.8–.61 0.10S–.04 123.92E–.04 114–5 4.5b 334 1-96
BJI XI 23 19 59 36.1 0.87S 123.98E 111 5.1b,4.6b ¶621449593
IDC XI 23 19 59 41.6–1.3 0.01S 123.86E 103–11 4.4,4.0b
NEIC XI 23 19 59 41.9–2.0 0.08S–.06 123.92E–.05 101–5 4.6b,4.0b
GFZ XI 23 19 59 42.4–.14 0S–2.0 124E–2.0 106 5.2b,5.0L
DJA XI 23 19 59 43.8–.20 0S–2.0 124E–1.0 87–6 5.1b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 23 13 20 44.0–.66 0.56N–.04 122.89E–.05 296–6 4.3b 314 0-93
GFZ XI 23 13 20 43.7–.13 1N–2.0 123E–2.0 287 4.7b,4.4b ¶621449554
NEIC XI 23 13 20 43.7–1.2 0.57N–.06 122.88E–.06 287–6 4.5b,4.4b
IDC XI 23 13 20 44.4–1.1 0.55N 122.83E 304–11 4.5,3.8b
DJA XI 23 13 20 44.4–.20 1N–2.0 123E–2.0 282–2 4.7b,4.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 28 02 30 35.3–.78 0.32N–.06 122.03E–.05 200 3.4b 40 0-58
IDC XI 28 02 30 37.0–4.8 0.23N 122.07E 202–48 3.7,3.2b ¶621625157
DJA XI 28 02 30 36.1–.50 0N–4.0 122E–2.0 170–6 3.7,3.7
ISC Event type se.
ISC XI 23 14 31 36.9–.37 0.06S–.04 123.37E–.05 157 4.2b 161 1-105
GFZ XI 23 14 31 35.8–.20 0S–2.0 123E–2.0 138–2 4.6b,4.3 ¶621449563
NEIC XI 23 14 31 35.6–2.1 0.02N–.07 123.40E–.03 136–6 4.4b,4.3
IDC XI 23 14 31 35.1–1.8 0.02N 123.33E 143–17 4.0,3.6b
DJA XI 23 14 31 36.4–.20 0S–3.0 123E–2.0 132–4 5.3b,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 12 24 28.3–.73 0.37N–.05 124.06E–.04 186–6 3.8b 49 0-89
IDC XI 26 12 24 27.4–10 0.46N 124.03E 176–108 3.9,3.4b ¶621621999
DJA XI 26 12 24 29.7–.30 0N–3.0 124E–2.0 169–4 3.9,3.7
ISC Event type se.
DJA XI 24 04 03 25.3–.70 1N–5.0 120E–4.0 10 3.6,3.6
¶626705755
ISC XI 27 18 34 54.8–.84 0.02N–.04 124.12E–.05 100 3.4b 75 1-59
IDC XI 27 18 34 54.3–2.8 0.10N 124.02E 95–28 3.5,3.1b ¶621625139
DJA XI 27 18 34 55.6–.20 0S–2.0 124E–1.0 71–6 4.8b,4.2b
ISC Event type se.
ISC XII 02 20 15 09.5–.92 0.78N–.06 122.19E–.04 100 3.1b 36 0-58
IDC XII 02 20 14 58.0–1.2 0.76N 122.48E 0 3.5b,3.5 ¶621629908
DJA XII 02 20 15 10.6–.40 1N–4.0 122E–2.0 67–9 3.8,3.8
ISC Event type se.
ISC XI 30 20 38 04.2–1.2 0.30N–.05 120.58E–.04 55 3.7b 45 1-93
IDC XI 30 20 37 49.3–45 2.11N 122.57E 0 3.8b,3.8 ¶626706396
DJA XI 30 20 38 05.8–.40 0N–3.0 121E–3.0 67–11 4.1b,3.8
ISC Event type se.
DJA XI 30 21 44 53.1–.40 0S–4.0 123E–2.0 146–7 4.1b,3.9
¶626706394
ISC XI 28 19 05 23.6–.98 0.18N–.09 123.61E–.09 250 3.2b 17 1-63
DJA XI 28 19 05 16.2–2.0 0S–14 124E–8.0 307–16 3.0,3.0 ¶621625188
IDC XI 28 19 05 26.6–10 0.72N 124.15E 289–114 3.6,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=141.7km s-min=20.9km az=58.0.
ISC XII 03 11 05 51.6–.77 0.29N–.05 122.14E–.04 176–6 3.5b 47 0-58
IDC XII 03 11 05 52.3–6.2 0.30N 122.26E 183–62 3.7,3.2b ¶621630590
DJA XII 03 11 05 53.2–.40 0N–3.0 122E–2.0 162–4 4.2b,3.7
ISC Event type se.
DJA XII 04 11 54 30.3–.40 1N–3.0 123E–2.0 27–5 4.4b,3.9
¶626706469
ISC XII 05 15 01 38.9–.71 1.61N–.06 124.55E–.05 250 3.3b 37 0-62
DJA XII 05 15 01 39.9–.40 2N–5.0 125E–3.0 250–4 3.9,3.9 ¶621631262
IDC XII 05 15 01 46.8–8.6 1.61N 124.54E 345–103 3.7,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=18.5km az=80.0.
ISC XII 06 10 21 14.3–.90 0.33N–.06 122.14E–.07 200 3.7b 23 0-58
IDC XII 06 10 20 53.8–1.6 0.64N 122.45E 0 4.2L,3.9 ¶621632593
DJA XII 06 10 21 17.6–.60 0N–4.0 122E–4.0 158–6 3.5,3.5
ISC Event type se.
ISC XII 05 21 33 33.5–.42 0.06N–.04 123.65E–.05 157 4.2b 122 1-91
NEIC XII 05 21 33 30.8–1.7 0.17N–.08 123.76E–.03 119–7 4.5b ¶621613023
IDC XII 05 21 33 31.1–2.4 0.16N 123.66E 130–23 4.2,3.8b
DJA XII 05 21 33 32.5–.20 0N–2.0 124E–1.0 123–4 5.1b,4.7
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 10 08 05 44.4–.30 0S–2.0 123E–2.0 64–5 3.8,3.7 ¶626706600
DJA XII 09 04 34 12.3–.50 1N–4.0 122E–2.0 10 4.6b,3.8 ¶626706589
ISC XII 10 18 39 18.6–.24 0.09S–.03 122.94E–.03 161–2 5.0b 823 1-164
BJI XII 10 18 39 18.2 0.00N 123.00E 155 5.0b,4.7b **¶621627200**
NEIC XII 10 18 39 18.5–1.9 0.04S–.06 122.98E–.06 150–4 5.1b,4.7b
NEIC XII 10 18 39 18.5 0.04S 122.98E 148 5.1b,4.7b
DJA XII 10 18 39 19.7–.10 0S–1.0 123E–1.0 157–1 5.6,5.5b
IDC XII 10 18 39 20.3–.50 0.02S 122.93E 176–4 4.8,4.3b
GFZ XII 10 18 39 20.4–.26 0S–2.0 123E–2.0 165–3 5.5b,5.2b
GCMT XII 10 18 39 20.5–.20 0.08S–.01 122.94E–.02 162–1 5.0W,5.2b
GFZ XII 10 18 39 20.4 0.09S 123.00E 163 5.0W,5.2b
NEIC XII 10 18 39 22.9 0.14S 123.18E 150 5.0,5.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.5km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=6.3km az=76.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112101839A. Moment Tensor Solution. s56,c62; s123,c180; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.21±.11 $M_{\theta\theta}$-3.39±.12; $M_{\phi\phi}$0.18±.13; $M_{r\theta}$-2.87±.10; $M_{\theta\phi}$-1.28±.12; $M_{\phi r}$0.37±.11; Best double couple: NP1:ϕ_s54.00000°,δ29.00000°,λ59.00000°. NP2:ϕ_s269.00000°,δ65.00000°,λ106.00000°. Principal axes: T 4.4380,Plg66.0000°,Azm208.0000°; N 0.2700,Plg15.0000°,Azm82.0000° ; P -4.7000,Plg19.0000°,Azm347.0000° M_o4.56900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.03 $M_{\theta\theta}$-3.08 $M_{\phi\phi}$0.05 $M_{r\theta}$-1.88 $M_{\theta\phi}$-0.32 $M_{\phi r}$-0.22 NP1: ϕ_s84.68200°,δ29.18931°,λ90.77895°. NP2:ϕ_s263.78976°,δ60.81365°,λ89.56487°. Principal axes: T 3.5656,Plg74.1826°,Azm172.6609°; N 0.0786,Plg0.3799°,Azm264.0020° ; P -3.6442,Plg15.8126°,Azm354.1095° M_o3.60557×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1ś6 Moment tensor: Scale 10^{16}Nm; M_{rr}3.24 $M_{\theta\theta}$-3.14 $M_{\phi\phi}$-0.10 $M_{r\theta}$-1.89 $M_{\theta\phi}$0.35 $M_{\phi r}$0.08 NP1:ϕ_s98.41000°,δ29.85000°,λ93.48000°. NP2:ϕ_s274.40000°,δ60.21000°,λ88.00000°. Principal axes: T 3.7594,Plg75.0000°,Azm179.0000°; N -0.0657,Plg2.0000°,Azm275.0000° ; P -3.6937,Plg15.0000°,Azm6.0000° M_o3.73000×10^{16}
IDC XII 19 01 54 24.9–1.6 0.44N 124.84E 0 3.5,3.4b ¶621657048
IDC Error ellipse: s-maj=203.6km s-min=22.4km az=64.0.
ISC XII 13 21 14 06.4–.65 0.41N–.03 120.55E–.03 76–6 4.5b 157 1-92
NEIC XII 13 21 14 06.6–1.9 0.37N–.03 120.63E–.06 73–7 4.5b **¶621629121**
DJA XII 13 21 14 07.3–.20 0N–2.0 121E–2.0 53–4 5.2b,4.7b
IDC XII 13 21 14 08.7–2.7 0.23N 120.60E 106–25 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=3.2km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.4km s-min=10.7km az=68.0.
ISC XII 17 00 40 31.1–1.0 0.82S–.03 121.52E–.03 15–8 3.7b 57 0-68
IDC XII 17 00 40 28.0–.99 0.81S 121.55E 0 4.1L,3.7s **¶621656900**
DJA XII 17 00 40 31.8–.20 1S–2.0 122E–1.0 10 4.2,4.2
ISC Event type se.
IDC XII 22 08 44 34.3–9.9 0.50N 123.14E 0 3.9L,3.9b ¶621686756
IDC Error ellipse: s-maj=161.5km s-min=121.6km az=123.0.
DJA XII 24 06 30 30.1–.30 0S–3.0 123E–2.0 154–5 5.3b,4.7 ¶626707269
DJA XII 24 06 47 46.4–.80 1N–7.0 125E–6.0 28–7 3.8,3.8 ¶626707268
ISC XII 25 19 21 49.2–.97 1.32N–.06 121.37E–.04 52–8 4.2b 81 0-91
DJA XII 25 19 21 50.2–.30 1N–2.0 121E–2.0 38–4 4.9b,4.2 **¶621700169**
IDC XII 25 19 21 50.9–8.4 0.56N 122.16E 0 4.6L,4.3
NEIC XII 25 19 21 51.4–.73 1.1N–.10 121.4E–.10 59–4 4.2b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 26 03 44 41.3–.40 1N–3.0 123E–2.0 25–3 4.0b,3.8 ¶626707316
ISC XII 26 15 01 30.1–.26 0.03S–.03 123.42E–.03 115–1 5.5b 1526 1-175
MOS XII 26 15 01 28.2–.96 0.11N 123.33E 112 5.5b **¶621653664**
IDC XII 26 15 01 29.7–.90 0.09N 123.32E 110–7 5.2,4.8b
DJA XII 26 15 01 30.8–.10 0N–1.0 124E–1.0 107–1 6.2,5.8b
NEIC XII 26 15 01 30.8–1.8 0.02S–.05 123.46E–.05 108–4 5.6b,5.8b
GFZ XII 26 15 01 31.8–.25 0S–2.0 124E–2.0 114–3 6.0L,5.7b
GCMT XII 26 15 01 31.1–.10 0.04N–.01 123.47E–.01 109–0 5.5W,5.7b
NEIC XII 26 15 01 31.2 0.08S 123.45E 112 5.5W,5.7b
GFZ XII 26 15 01 32.1 0.00S 123.44E 110 5.4W,5.7b
NEIC XII 26 15 01 36.5 0.08S 123.45E 110 5.4,5.7b
ISC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=4.5km az=116.6.
IDC Error ellipse: s-maj=11.3km s-min=7.3km az=78.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=7.3km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112261501A. Moment Tensor Solution. s124,c218; s144,c289;Duration: 1ś3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35±.02 $M_{\theta\theta}$-1.30±.02; $M_{\phi\phi}$-0.05±.03; $M_{r\theta}$1.02±.02; $M_{\theta\phi}$-1.03±.02; $M_{\phi r}$-0.21±.02; Best double couple: NP1: ϕ_s214.00000°,δ38.00000°,λ47.00000°. NP2:ϕ_s84.00000°,δ63.00000°,λ118.00000°. Principal axes: T 1.8650,Plg61.0000°,Azm38.0000°; N 0.2040,Plg25.0000°,Azm251.0000° ; P -2.0700,Plg14.0000°,Azm154.0000° M_o1.96800×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-0.13 $M_{r\theta}$0.75 $M_{\theta\phi}$-0.74 $M_{\phi r}$-0.16 NP1: ϕ_s82.64829°,δ63.78221°,λ119.37294°. NP2:ϕ_s210.77693°,δ38.57503°,λ45.11393°. Principal axes: T 1.3486,Plg59.9055°,Azm36.4120°; N 0.0789,Plg26.1059°,Azm248.6844° ; P -1.4276,Plg13.9114°,Azm151.7132° M_o1.38977×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2ś6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.32 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.02 $M_{r\theta}$0.72 $M_{\theta\phi}$-0.24 $M_{\phi r}$-0.09 NP1:ϕ_s252.31000°,δ31.82000°,λ76.27000°. NP2:ϕ_s88.35000°,δ59.19000°,λ98.38000°. Principal axes: T 1.5131,Plg74.0000°,Azm21.0000°; N 0.0377,Plg7.0000°,Azm264.0000° ; P -1.5508,Plg14.0000°,Azm172.0000° M_o1.53000×10^{17}
ISC XII 26 00 32 56.5–.68 0.23S–.04 122.94E–.04 87–6 4.3b 151 1-151
NEIC XII 26 00 32 57.0–1.7 0.24S–.07 123.00E–.09 86–5 4.4b **¶621700187**
IDC XII 26 00 32 56.0–1.7 0.21S 123.06E 82–16 4.0,3.7b
DJA XII 26 00 32 57.4–.10 0S–2.0 123E–1.0 57–7 5.3b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 31 03 40 55.7–.20 1S–2.0 122E–2.0 10 3.8b,3.6 ¶626707431
ISC XII 29 15 29 03.8–.47 0.16S–.04 123.89E–.05 110 4.1b 132 1-150
IDC XII 29 15 29 02.1–2.1 0.06S 123.90E 93–21 4.1,3.8b **¶621657268**
NEIC XII 29 15 29 03.1–2.1 0.06S–.07 123.83E–.02 90–7 4.2b,3.8b
DJA XII 29 15 29 04.4–.20 0S–2.0 124E–1.0 76–9 5.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 04 04 12.3–.62 0.31N–.04 122.36E–.04 163–5 3.8b 72 0-118
NEIC XII 29 04 04 12.1–1.1 0.20N–.07 122.3E–.10 160–4 4.1b **¶621724180**
DJA XII 29 04 04 13.5–.40 0N–3.0 122E–2.0 141–4 4.0,4.0
IDC XII 29 04 04 15.6–9.2 0.32N 122.58E 198–92 3.8,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=5.9km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=75.5km s-min=17.8km az=62.0.
ISC XII 30 03 03 35.7–1.1 0.81S–.03 121.94E–.02 16–7 3.9b 76 0-119
IDC XII 30 03 03 33.1–1.1 0.77S 121.87E 0 4.2L,3.5 **¶621725984**
NEIC XII 30 03 03 35.7–.74 0.80S–.06 121.99E–.05 10–1 4.4b,3.5
DJA XII 30 03 03 36.5–.20 1S–2.0 122E–2.0 10 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 31 01 54 50.6–.97 0.28N–.06 121.54E–.05 150 3.3b 23 0-58
IDC XII 31 01 54 32.9–1.6 0.81N 122.36E 0 4.0L,3.5 **¶621726045**
DJA XII 31 01 54 52.9–.70 0N–5.0 122E–3.0 126–8 3.3,3.3
ISC Event type se.
ISC XII 31 05 53 41.7–.44 0.01N–.03 120.36E–.03 111–3 5.0b 745 0-162
BJI XII 31 05 53 40.6 0.00N 120.40E 108 5.1b,5.1b **¶621657658**
DJA XII 31 05 53 41.5–.10 0N–1.0 120E–1.0 95–1 5.7b,5.4b
MOS XII 31 05 53 41.8–.75 0.02N 120.43E 129 4.8b,5.4b
NEIC XII 31 05 53 42.2–2.1 0.05N–.05 120.43E–.06 107–5 5.2b,5.4b
IDC XII 31 05 53 42.9–1.0 0.03S 120.41E 122–9 4.9,4.5b
GFZ XII 31 05 53 42.4–.25 0N–2.0 120E–2.0 108–3 5.5b,5.3b
NEIC XII 31 05 53 42.2 0.04N 120.42E 107 5.5b,5.3b
NEIC XII 31 05 53 42.4 0.16S 120.52E 130 5.0,5.3b
GCMT XII 31 05 53 42.1–.20 0.10N–.02 120.41E–.02 108–3 5.0W,5.3b
GFZ XII 31 05 53 42.4 0.01S 120.42E 109 4.9W,5.3b
ISC Event type se.
MOS Error ellipse: s-maj=9.5km s-min=5.0km az=119.5.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.8km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.5km s-min=7.2km az=81.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1ś5 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.58 $M_{\theta\theta}$3.30 $M_{\phi\phi}$-2.72 $M_{r\theta}$0.18 $M_{\theta\phi}$1.40 $M_{\phi r}$-2.06 NP1:ϕ_s298.38000°,δ66.28000°,λ-18.94000°. NP2:ϕ_s36.24000°,δ72.72000°,λ-155.08000°. Principal axes: T 3.6310,Plg4.0000°,Azm166.0000°; N 0.5658,Plg60.0000°,Azm69.0000° ; P -4.1968,Plg30.0000°,Azm259.0000° M_o3.94000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112310553A. Moment Tensor Solution. s38,c42; s101,c147; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.12±.11 $M_{\theta\theta}$1.77±.11; $M_{\phi\phi}$-1.89±.13; $M_{r\theta}$-0.85±.06; $M_{\theta\phi}$1.44±.10; $M_{\phi r}$-2.32±.07; Best double couple: NP1:ϕ_s295.00000°,δ43.00000°,λ1.00000°. NP2:ϕ_s204.00000°,δ89.00000°,λ133.00000°. Principal axes: T 3.2550,Plg32.0000°,Azm149.0000°; N 0.2730,Plg43.0000°,Azm23.0000° ; P -3.5240,Plg30.0000°,Azm260.0000° M_o3.38900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.17 $M_{\theta\theta}$1.08 $M_{\phi\phi}$-1.25 $M_{r\theta}$-0.65 $M_{\theta\phi}$1.14 $M_{\phi r}$-1.69 NP1: ϕ_s293.57963°,δ41.79414°,λ3.59488°. NP2:ϕ_s200.89792°,δ87.60504°,λ131.73808°. Principal axes: T 2.3942,Plg33.8298°,Azm145.4171°; N 0.0826,Plg41.6934°,Azm18.7628° ; P -2.4768,Plg29.8434°,Azm258.0297° M_o2.43655×10^{16}

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IDC VII 01 09 22 53.4–2.1 0.79N 125.17E 0 3.4b,3.4 ¶620927661
IDC Error ellipse: s-maj=220.9km s-min=26.3km az=64.0.
ISC VII 04 16 39 27.5–.95 1.38N–.04 126.37E–.03 46–9 4.3b 140 1-155
IDC VII 04 16 39 21.2–.50 1.32N 126.27E 0 4.2b,4.2 **¶620733585**
DJA VII 04 16 39 25.8–.70 1N–2.0 126E–1.0 16–6 5.2b,4.6
NEIC VII 04 16 39 26.9–1.1 1.39N–.07 126.42E–.06 40–4 4.4b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 06 13 37 24.0–1.0 1.23N–.04 126.36E–.03 53–14 3.7b 53 1-64
IDC VII 06 13 37 16.9–1.1 1.30N 126.24E 0 3.6b,3.6 **¶620928037**
DJA VII 06 13 37 21.6–.50 1N–2.0 126E–1.0 12–4 5.7b,5.2
ISC Event type se.
ISC VII 06 21 35 02.6–1.3 2.00N–.03 127.77E–.03 25–9 4.3b,3.0s 134 1-92
IDC VII 06 21 34 58.9–.58 1.92N 127.48E 0 4.0b,4.0 **¶620928061**
NEIC VII 06 21 35 00.9–1.4 1.98N–.05 127.65E–.07 10–1 4.5b,4.0
DJA VII 06 21 35 01.9–.30 2N–1.0 128E–1.0 15–2 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 07 21 35 02.5–2.2 2.28N 126.31E 0 3.3b,3.3 ¶620928143
IDC Error ellipse: s-maj=208.3km s-min=25.8km az=65.0.
ISC VII 09 05 09 43.3–.75 0.58N–.05 126.18E–.04 10 4.2b 44 1-94
IDC VII 09 05 09 40.7–.98 0.56N 126.03E 0 4.0b,4.0 **¶620928224**
NEIC VII 09 05 09 43.1–.81 0.5N–.10 126.13E–.06 10–1 4.3b,4.0
DJA VII 09 05 09 45.2–.20 1N–3.0 126E–2.0 10 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 09 09 31 26.0–.58 1.89N–.04 125.98E–.03 10 4.1b 45 1-82
IDC VII 09 09 31 25.2–1.4 2.26N 126.87E 0 3.9b,3.9 **¶620928250**
NEIC VII 09 09 31 29.6–1.3 2.20N–.09 126.68E–.10 42–10 4.2b,3.9
DJA VII 09 09 31 37.2–1.4 2N–3.0 127E–2.0 26–15 5.1b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 00 43 56.4–.22 2.96N–.02 126.52E–.03 56–1 5.8b,5.6s 2760 1-179
IDC VII 10 00 43 48.8–.28 3.06N 126.48E 0 5.5b,5.5 **¶620787252**
MAN VII 10 00 43 52.3 2.58N 126.48E 100 6.4b,6.2s
MOS VII 10 00 43 52.7–.93 2.96N 126.47E 36 6.1b,5.5s
GFZ VII 10 00 43 53.6 3.07N 126.53E 31 6.2W,5.5s
GFZ VII 10 00 43 53.6–.20 3N–2.0 127E–2.0 26–1 6.5b,6.2
BJI VII 10 00 43 54.5 2.95N 126.65E 60 6.0b,5.8s
NEIC VII 10 00 43 56.0–1.9 2.95N–.06 126.50E–.06 44–3 6.1,5.9b
NEIC VII 10 00 43 55.7 2.96N 126.50E 41 6.1,5.9b
ISC-P VII 10 00 43 55 2.95N 126.50E 27–0 6.4,5.9b
IPGP VII 10 00 43 57.0 2.96N 126.64E 25 6.3W,5.9b
DJA VII 10 00 43 57.4–.10 3N–1.0 127E–1.0 64–1 6.4b,6.4
NEIC VII 10 00 43 57.8 2.96N 126.64E 68 6.4b,6.4
GCMT VII 10 00 43 58.8–.10 3.01N 126.71E 42–0 6.2W,6.4
PTWC VII 10 00 43 59 2.90N 126.60E 72 6.2,6.4
NEIC VII 10 00 44 03.6 3.26N 126.74E 40 6.1,6.4
ISC Event type se.
IDC Error ellipse: s-maj=8.2km s-min=6.0km az=86.0.
MAN Event type fe.
MOS Error ellipse: s-maj=6.8km s-min=3.5km az=116.1.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.28 $M_{\theta\theta}$0.21 $M_{\phi\phi}$-1.50 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.12 $M_{\phi r}$1.86 NP1: ϕ_s179.44925°,δ18.46891°,λ82.46601°. NP2:ϕ_s7.38725°,δ71.69621°,λ92.50745°. Principal axes: T 2.2289,Plg63.2219°,Azm281.3245°; N 0.2174,Plg2.3805°,Azm186.5993° ; P -2.4463,Plg26.6550°,Azm95.4036° M_o2.34514×10^{18}
GFZ Error ellipse: s-maj=4.4km s-min=3.2km az=96.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.7km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.48 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-1.54 $M_{r\theta}$0.37 $M_{\theta\phi}$-0.01 $M_{\phi r}$1.39 NP1:ϕ_s10.37000°,δ67.00000°,λ98.14000°. NP2:ϕ_s170.26000°,δ24.33000°,λ71.55000°. Principal axes: T 2.0776,Plg67.0000°,Azm295.0000°; N 0.0178,Plg7.0000° ,Azm187.0000°; P -2.0954,Plg22.0000°,Azm94.0000° M_o2.09000×10^{18}
NEIC Event type se.
ISC-P Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}0.36±.15 $M_{\theta\theta}$-0.04±.20; $M_{\phi\phi}$-0.31±.20; $M_{r\theta}$0.18±.11; $M_{\theta\phi}$0.56±.15; $M_{\phi r}$-0.22±.12; NP1:ϕ_s19.30000°,δ73.30000°

,λ82.90000°. NP2:ϕ$_p$222.80000°,δ18.10000°,λ112.40000°. M$_0$5.31000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ$_s$165.00000°,δ26.00000°,λ69.00000°. NP2:ϕ$_s$8.00000° ,δ66.00000°,λ100.00000°.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107100043A. Moment Tensor Solution. s171,c428; s176,c656;Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M$_{rr}$1.74±.01 M$_{\theta\theta}$0.20±.01; M$_{\phi\phi}$-1.93±.01; M$_{r\theta}$0.13±.01; M$_{\theta\phi}$-0.29±.01; M$_{\phi r}$1.51±.02; Best double couple: NP1:ϕ$_s$190.00000°,δ25.00000°,λ94.00000°. NP2:ϕ$_p$6.00000°,δ65.00000°,λ88.00000°. Principal axes: T 2.2820,Plg70.0000°,Azm272.0000°; N 0.2320,Plg2.0000°,Azm6.0000° ; P -2.5080,Plg20.0000°,Azm97.0000° M$_0$2.39500×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s1 Moment tensor: Scale 10^{18}Nm; M$_{rr}$1.91 M$_{\theta\theta}$-0.09 M$_{\phi\phi}$-1.82 M$_{r\theta}$0.03 M$_{\theta\phi}$0.01 M$_{\phi r}$0.83 NP1:ϕ$_s$178.87000°,δ33.01000° ,λ88.37000°. NP2:ϕ$_p$0.81000°,δ57.01000°,λ91.06000°. Principal axes: T 2.0862,Plg78.0000° ,Azm274.0000°; N -0.0935,Plg1.0000°,Azm180.0000°; P -1.9927,Plg12.0000°,Azm90.0000° M$_0$2.04000×10^{18}

ISC	**VII**	**10 00 51 08.5–.32**	**2.93N–.03**	**126.57E–.04**	**47–2**	**5.4s,5.4b**	**1112**	**1-172**
IDC	VII	10 00 51 01.8–.33	2.86N	126.38E	0	5.2L,5.2b		**¶620787253**
BJI	VII	10 00 51 03.6	2.44N	126.56E	45	5.7b,5.6s		
MOS	VII	10 00 51 06.1–.98	3.09N	126.49E	33	5.7b,5.5s		
MAN	VII	10 00 51 07.5	2.98N	126.98E	22	5.9b,5.4s		
NEIC	VII	10 00 51 08.8–1.6	2.97N–.06	126.56E–.06	43–4	5.7,5.5b		
GFZ	VII	10 00 51 09.3–.13	3N–2.0	127E–3.0	49	6.0b,5.8		
DJA	VII	10 00 51 09.8–.20	3N–2.0	127E–1.0	53–2	6.5b,6.3		
GCMT	VII	10 00 51 12.8–.20	2.94N–.01	126.81E–.01	44–0	5.8W,6.3		

ISC Event type se.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107100051A. Moment Tensor Solution. s77,c95; s147,c283; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M$_{rr}$6.15±.23 M$_{\theta\theta}$-0.19±.13; M$_{\phi\phi}$-5.96±.13; M$_{r\theta}$0.39±.08; M$_{\theta\phi}$-1.11±.07; M$_{\phi r}$3.57±.11; Best double couple: NP1:ϕ$_s$193.00000°,δ30.00000° ,λ94.00000°. NP2:ϕ$_s$8.00000°,δ60.00000°,λ88.00000°. Principal axes: T 7.1250,Plg75.0000° ,Azm273.0000°; N 0.0060,Plg2.0000°,Azm9.0000°; P -7.1320,Plg15.0000°,Azm100.0000° M$_0$7.12900×10^{17}

ISC	**VII**	**10 00 58 13.1–.34**	**2.97N–.03**	**126.59E–.05**	**52–3**	**5.0b**	**558**	**1-165**
IDC	VII	10 00 58 06.2–.37	2.90N	126.30E	0	4.8b,4.8		**¶620787254**
BJI	VII	10 00 58 07.0	2.30N	126.64E	60	5.7b,5.2s		
DJA	VII	10 00 58 13.5–.20	3N–2.0	127E–2.0	55–2	6.4b,6.2		
NEIC	VII	10 00 58 13.4–1.7	2.92N–.04	126.55E–.06	51–5	5.0b,6.2		
GFZ	VII	10 00 58 13.5–.15	3N–2.0	127E–2.0	58	5.1b,5.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VII**	**10 01 14 12.1–.58**	**2.96N–.05**	**126.68E–.05**	**63**	**4.0b**	**42**	**1-93**
IDC	VII	10 01 14 04.3–.72	2.79N	126.42E	0	3.9b,3.9		**¶620928295**
DJA	VII	10 01 14 09.2–1.0	3N–5.0	127E–3.0	12–10	3.6,3.6		
NEIC	VII	10 01 14 10.3–.86	2.84N–.09	126.3E–.20	34–7	4.2b,3.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**10 01 19 02.3–.56**	**2.88N–.08**	**126.6E–.10**	**63**	**4.0b**	**33**	**2-93**
IDC	VII	10 01 18 54.0–.71	2.88N	126.54E	0	4.0b,4.0		**¶620928300**
NEIC	VII	10 01 19 03.4–1.5	2.9N–.10	126.6E–.10	69–4	4.2b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**10 01 24 22.1–1.3**	**2.91N–.04**	**126.67E–.04**	**14–10**	**3.8b**	**24**	**1-62**
IDC	VII	10 01 24 18.9–1.0	2.79N	126.51E	0	3.9b,3.9		**¶620928301**
DJA	VII	10 01 24 25.5–1.2	3N–3.0	127E–2.0	28–12	3.4,3.4		

ISC Event type se.

ISC	**VII**	**10 01 26 22.9–1.2**	**3.0N–.20**	**127.0E–.60**	**44**	**3.9b**	**7**	**21-63**
IDC	VII	10 01 26 17.0–1.3	2.97N	126.95E	0	3.9,3.8b		**¶620928302**

ISC Event type se.
IDC Error ellipse: s-maj=98.0km s-min=17.4km az=71.0.

ISC	**VII**	**10 02 26 13.0–.66**	**2.82N–.09**	**126.6E–.10**	**63**	**4.3b**	**30**	**2-86**
IDC	VII	10 02 26 04.8–.77	2.85N	126.57E	0	4.1b,4.1		**¶620928306**
NEIC	VII	10 02 26 14.0–1.6	2.8N–.10	126.6E–.10	65–7	4.5b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**10 02 28 55.4–1.1**	**1.9N–.20**	**126.5E–.50**	**47**	**3.8b**	**6**	**23-87**
IDC	VII	10 02 28 48.9–1.0	1.88N	126.36E	0	3.8,3.7b		**¶620928307**

ISC Event type se.
IDC Error ellipse: s-maj=80.0km s-min=20.3km az=69.0.

ISC	**VII**	**10 02 30 58.1–.36**	**2.92N–.04**	**126.68E–.06**	**63**	**4.5b**	**134**	**1-122**
DJA	VII	10 02 30 56.3–.30	3N–3.0	127E–2.0	10	5.5b,5.2b		**¶620928308**
IDC	VII	10 02 30 57.9–1.7	2.77N	126.43E	65–15	4.4,4.1b		
NEIC	VII	10 02 30 59.8–2.1	2.90N–.03	126.70E–.09	77–7	4.6b,4.1b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**10 02 33 36.4–.48**	**2.92N–.07**	**126.6E–.10**	**63**	**4.3b**	**50**	**2-122**
NEIC	VII	10 02 33 37.5–1.5	2.90N–.09	126.7E–.10	69–6	4.6b		**¶620928309**
IDC	VII	10 02 33 37.6–5.6	2.82N	126.44E	75–53	4.3,4.0b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=9.8km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.8km s-min=13.5km az=77.0.

ISC	**VII**	**10 03 00 43.2–.81**	**2.80N–.09**	**126.6E–.10**	**63**	**4.2b**	**20**	**2-62**
NEIC	VII	10 03 00 43.5–.86	2.8N–.10	126.6E–.20	66–8	4.0b		**¶620928314**
IDC	VII	10 03 00 48.0–14	2.67N	126.46E	111–142	4.1,3.7b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=10.7km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=61.2km s-min=21.8km az=72.0.

ISC	**VII**	**10 03 30 51.8–.44**	**2.90N–.04**	**126.65E–.05**	**63**	**4.5b**	**108**	**1-87**
DJA	VII	10 03 30 49.4–1.6	3N–7.0	127E–3.0	12–19	5.1b,5.1b		**¶620787260**
IDC	VII	10 03 30 50.7–2.8	2.74N	126.45E	53–26	4.2,3.9L		
GFZ	VII	10 03 30 51.4–.30	3N–3.0	127E–3.0	57–4	4.6b,4.4		
NEIC	VII	10 03 30 52.8–1.4	2.82N–.09	126.6E–.10	64–8	4.6b,4.4		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VII**	**10 04 45 14.4–1.8**	**2.95N**	**127.01E**	**0**	**3.5b,3.5**		
								¶620928325

IDC Error ellipse: s-maj=123.3km s-min=21.4km az=70.0.

ISC	**VII**	**10 05 01 00.2–.83**	**2.7N–.10**	**126.5E–.30**	**55**	**3.9b**	**12**	**4-68**
IDC	VII	10 05 00 53.1–.74	2.76N	126.49E	0	4.0,3.9b		**¶620928326**

ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=13.9km az=77.0.

ISC	**VII**	**10 05 22 21.9–1.1**	**2.8N–.20**	**126.4E–.50**	**63**	**3.9b**	**7**	**10-62**
IDC	VII	10 05 22 13.9–.99	2.79N	126.25E	0	3.8b,3.8		**¶620928328**

ISC Event type se.
IDC Error ellipse: s-maj=67.3km s-min=17.0km az=74.0.

ISC	**VII**	**10 05 35 32.6–1.1**	**2.99N–.06**	**126.70E–.06**	**63**	**3.6b**	**14**	**1-62**
IDC	VII	10 05 35 26.0–1.9	2.48N	125.85E	0	3.6b,3.6		**¶620928329**
DJA	VII	10 05 35 32.4–.80	3N–6.0	127E–4.0	53–30	3.4,3.4		

ISC Event type se.

ISC	**VII**	**10 05 47 22.1–.00**	**2.93N–.06**	**126.67E–.06**	**63**	**3.7b**	**14**	**1-58**
IDC	VII	10 05 47 14.8–1.6	2.69N	126.42E	0	3.8,3.7b		**¶620928330**
DJA	VII	10 05 47 21.2–2.4	3N–5.0	127E–4.0	35–53	3.5,3.5		

ISC Event type se.

ISC	**VII**	**10 06 23 51.5–.81**	**2.95N–.07**	**126.68E–.05**	**10**	**3.7b**	**17**	**1-88**
IDC	VII	10 06 23 48.6–1.1	2.69N	126.42E	0	3.7b,3.7		**¶620928334**
DJA	VII	10 06 23 52.8–1.8	3N–10	127E–3.0	11–23	4.7b,3.9		

ISC Event type se.

DJA	**VII**	**10 06 26 47.4–2.8**	**3N–10**	**127E–6.0**	**12–37**	**3.2,3.2**		
								¶626327054
IDC	**VII**	**10 06 27 26.9–2.1**	**2.77N**	**126.52E**	**0**	**3.6b,3.6**		
								¶620928335

IDC Error ellipse: s-maj=116.9km s-min=26.8km az=69.0.

IDC	**VII**	**10 06 46 44.9–1.7**	**2.93N**	**126.79E**	**0**	**3.7b,3.7**		
								¶620928336

IDC Error ellipse: s-maj=113.7km s-min=19.9km az=70.0.

ISC	**VII**	**10 06 56 27.9–1.1**	**2.9N–.20**	**126.7E–.50**	**63**	**3.7b**	**7**	**21-62**
IDC	VII	10 06 56 20.0–1.0	2.86N	126.57E	0	3.8b,3.8		**¶620928337**

ISC Event type se.
IDC Error ellipse: s-maj=74.1km s-min=16.6km az=74.0.

ISC	**VII**	**10 07 25 54.1–.61**	**2.94N–.04**	**126.63E–.05**	**63**	**4.2b**	**51**	**1-88**
IDC	VII	10 07 25 46.1–.76	2.86N	126.29E	0	4.1L,4.1		**¶620928340**
DJA	VII	10 07 25 51.6–.40	3N–4.0	127E–3.0	10	5.0b,4.8b		
NEIC	VII	10 07 25 52.4–1.3	2.8N–.10	126.36E–.04	39–10	4.1b,4.8b		
MAN	VII	10 07 25 54.4	3.11N	126.39E	9	5.0b,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=42.2km s-min=13.5km az=66.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=5.5km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.

ISC	**VII**	**10 07 58 30.5–1.0**	**2.97N–.06**	**126.67E–.06**	**63**	**3.7b**	**16**	**1-62**
IDC	VII	10 07 58 23.3–1.7	2.90N	126.46E	0	3.6b,3.6		**¶620928342**
DJA	VII	10 07 58 28.4–1.5	3N–6.0	127E–4.0	15–16	3.5,3.5		

ISC Event type se.

ISC	**VII**	**10 09 03 46.7–.83**	**2.99N–.06**	**126.70E–.05**	**63**	**3.9b**	**23**	**1-62**
IDC	VII	10 09 03 39.1–.85	2.86N	126.57E	0	3.9b,3.9		**¶620928348**
DJA	VII	10 09 03 46.1–2.2	3N–5.0	127E–3.0	28–24	4.8b,4.7b		

ISC Event type se.

ISC	**VII**	**10 10 04 54.0–.44**	**2.90N–.05**	**126.72E–.06**	**63**	**4.5b**	**103**	**1-94**
IDC	VII	10 10 04 46.1–.57	2.77N	126.36E	0	4.3,4.2b		**¶620787327**
DJA	VII	10 10 04 51.5–1.4	3N–7.0	127E–2.0	10–16	5.7,5.5		
NEIC	VII	10 10 04 53.1–1.1	2.89N–.07	126.74E–.08	52–9	4.5b,5.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**10 10 06 31.2–.37**	**2.89N–.03**	**126.64E–.05**	**66–3**	**4.8b**	**408**	**1-160**
IDC	VII	10 10 06 22.6–.39	2.88N	126.45E	0	4.6b,4.6		**¶620787326**
GFZ	VII	10 10 06 25.2–.28	3N–3.0	127E–5.0	10	5.2,4.9b		
BJI	VII	10 10 06 26.0	2.35N	126.68E	59	5.0b,4.9b		
NEIC	VII	10 10 06 30.4–1.5	2.86N–.06	126.61E–.06	56–4	4.8b,4.9b		
DJA	VII	10 10 06 30.8–.20	3N–2.0	127E–2.0	61–3	5.3b,5.2		
GCMT	VII	10 10 06 31.9–.20	2.89N–.01	126.75E–.01	37–1	5.2W,5.2		
MAN	VII	10 10 06 34.1	3.08N	126.30E	33	5.5b,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=9.0km az=72.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.1km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107101006A. Moment Tensor Solution. s102,c152; s101,c143;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M$_{rr}$0.52±.02 M$_{\theta\theta}$0.04±.01; M$_{\phi\phi}$-0.56±.01; M$_{r\theta}$-0.15±.02; M$_{\theta\phi}$-0.04±.01; M$_{\phi r}$0.65±.03; Best double couple: NP1: ϕ$_s$198.00000°,δ21.00000°,λ116.00000°. NP2:ϕ$_s$351.00000°,δ71.00000°,λ80.00000°. Principal axes: T 0.8530,Plg63.0000°,Azm245.0000°; N 0.0150,Plg9.0000°,Azm354.0000° ; P -0.8680,Plg25.0000°,Azm88.0000° M$_0$0.86000×10^{17}
MAN Event type fe.

ISC	**VII**	**11 02 13 01.9–.92**	**2.98N–.04**	**126.75E–.04**	**66–11**	**4.1b**	**48**	**1-58**
IDC	VII	11 02 12 55.8–1.4	2.76N	126.58E	0	4.0,3.9b		**¶620928393**
NEIC	VII	11 02 12 59.2–1.7	3.20N–.09	126.84E–.08	48–10	4.1b,3.9b		
DJA	VII	11 02 13 01.8–.90	3N–2.0	127E–2.0	25–9	4.6b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**11 02 36 34.1–1.0**	**2.95N–.06**	**126.70E–.05**	**50**	**3.5b**	**22**	**1-62**
DJA	VII	11 02 36 33.0–.40	3N–4.0	127E–3.0	10	4.5b,3.8		**¶620928394**
IDC	VII	11 02 36 58.5–3.9	2.32N	126.46E	299–46	3.6,2.9b		

ISC Event type se.
IDC Error ellipse: s-maj=74.7km s-min=11.8km az=75.0.

DJA	**VII**	**11 12 25 44.7–.70**	**0N–3.0**	**125E–2.0**	**17–6**	**5.0b,4.3**		
								¶626066441

ISC	**VII**	**11 16 07 33.2–.82**	**2.92N–.03**	**126.62E–.04**	**68–8**	**4.4b**	**212**	**1-96**
DJA	VII	11 16 07 30.9–.30	3N–3.0	127E–2.0	10	4.8b,4.6b		**¶620787477**
GFZ	VII	11 16 07 31.7–.27	3N–3.0	127E–3.0	80–4	4.4b,4.2		
MAN	VII	11 16 07 31.4	2.82N	126.57E	133	5.3b,4.4s		
NEIC	VII	11 16 07 32.8–1.4	2.91N–.02	126.60E–.05	55–5	4.5b,4.4s		
IDC	VII	11 16 07 34.1–2.0	2.80N	126.41E	75–19	4.2,3.9b		

ISC Event type se.
GFZ Error ellipse: s-maj=6.2km s-min=5.5km az=55.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=2.6km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.1km s-min=9.6km az=72.0.

ISC	**VII**	**12 12 04 13.3–.85**	**1.94N–.04**	**126.05E–.05**	**83**	**3.9b**	**30**	**1-63**
IDC	VII	12 12 04 01.7–1.4	2.06N	125.79E	0	3.9,3.8b		**¶620928490**
DJA	VII	12 12 04 14.8–1.1	2N–4.0	126E–4.0	118–21	3.6,3.6		
MAN	VII	12 12 04 21.1	2.43N	126.20E	72	5.0b,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=110.3km s-min=19.6km az=67.0.
MAN Event type fe.

ISC	**VII**	**12 16 02 03.4–1.2**	**2.98N–.08**	**126.68E–.07**	**63**	**2.9b**	**11**	**1-37**
IDC	VII	12 16 00 52.6–35	9.82N	124.90E	0	3.6b,3.6		**¶620928496**
DJA	VII	12 16 02 03.5–1.9	3N–6.0	127E–4.0	37–46	3.0,3.0		

ISC Event type se.

DJA	**VII**	**13 18 34 35.5–1.6**	**2N–7.0**	**127E–8.0**	**12–11**	**2.5,2.5L**		
								¶620928550
IDC	**VII**	**13 18 35 22.1–1.1**	**2.55N**	**126.52E**	**0**	**3.7,3.6b**		
								¶626315352

IDC Error ellipse: s-maj=45.6km s-min=18.0km az=61.0.

ISC	**VII**	**13 19 40 45.7–.95**	**2.97N–.05**	**127.09E–.05**	**44**	**3.6b**	**37**	**1-63**
IDC	VII	13 19 40 39.8–1.2	2.71N	126.68E	0	3.6b,3.6		**¶626066569**
DJA	VII	13 19 40 44.6–.40	3N–4.0	127E–3.0	10	3.6b,3.4		

ISC Event type se.

ISC	**VII**	**13 19 46 54.3–.30**	**0.71N–.04**	**126.16E–.04**	**35**	**4.4b**	**224**	**1-124**
IDC	VII	13 19 46 49.3–.45	0.74N	126.11E	0	4.3b,4.2		**¶620823827**
GFZ	VII	13 19 46 53.5–.15	1N–2.0	126E–2.0	35	4.5,4.5b		
NEIC	VII	13 19 46 53.1–1.6	0.75N–.05	126.18E–.03	23–4	4.5b,4.5b		
DJA	VII	13 19 46 57.7–1.3	1N–13	126E–11	10	4.9,4.9		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**14 17 52 59.1–.60**	**1.05N–.03**	**126.13E–.02**	**25–4**	**4.8b,3.6s**	**423**	**1-159**
BJI	VII	14 17 52 53.8	0.30N	126.22E	34	5.3b,4.6b		**¶620828955**
IDC	VII	14 17 52 55.5–.36	0.96N	126.04E	0	4.5b,4.5		
NEIC	VII	14 17 52 57.0–1.3	1.02N–.05	126.12E–.05	10–1	4.9b,4.5		
GFZ	VII	14 17 53 02.3–.13	1N–2.0	126E–2.0	59	4.8b,4.6		
DJA	VII	14 17 53 02.7–.20	1N–2.0	126E–1.0	44–4	5.2b,4.9		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VII**	**15 13 00 29.7–.38**	**2.92N–.04**	**126.84E–.05**	**35**	**4.5b,3.4s**	**117**	**1-122**	
IDC	VII	15 13 00 24.6–.48	2.73N	126.50E	0	4.3b,4.3			**¶621112240**
DJA	VII	15 13 00 28.1–.30	3N–3.0	127E–2.0	10	5.6b,5.1			
NEIC	VII	15 13 00 32.2–1.3	2.77N–.08	126.79E–.08	58–7	4.5b,5.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**15 21 27 01.1–.78**	**0.81N–.04**	**126.08E–.04**	**44**	**4.2b**	**45**	**1-64**	
IDC	VII	15 21 26 55.0–1.1	0.82N	126.10E	0	4.0b,4.0			**¶620928661**
DJA	VII	15 21 26 58.5–.20	1N–3.0	126E–2.0	10	4.2b,4.0			
NEIC	VII	15 21 26 59.1–.46	0.9N–.10	126.15E–.07	27–8	4.3b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**17 17 57 30.0–.79**	**0.16N–.04**	**126.92E–.04**	**100**	**3.7b**	**38**	**1-65**	
DJA	VII	17 17 57 32.6–1.0	0N–2.0	127E–2.0	31–15	4.9b,4.2			**¶620928779**
IDC	VII	17 17 57 33.1–5.5	0.17N	127.13E	142–60	3.7,3.3b			

ISC Event type se.
IDC Error ellipse: s-maj=74.6km s-min=16.9km az=77.0.

IDC	**VII**	**17 23 03 48.1–2.3**	**1.57N**	**125.83E**	**0**	**3.3b,3.3**			
									¶620928793

IDC Error ellipse: s-maj=205.2km s-min=28.9km az=65.0.

IDC	**VII**	**18 06 29 31.5–1.9**	**1.40N**	**126.36E**	**0**	**3.6b,3.6**			
									¶620928804

IDC Error ellipse: s-maj=195.2km s-min=21.5km az=66.0.

IDC	**VII**	**18 09 39 13.7–2.3**	**1.54N**	**126.68E**	**0**	**3.5b,3.5**			
									¶620928809

IDC Error ellipse: s-maj=188.8km s-min=28.2km az=66.0.

ISC	**VII**	**19 02 38 54.3–.76**	**0.55N–.03**	**126.62E–.03**	**67–7**	**4.4b**	**225**	**1-150**	
DJA	VII	19 02 38 53.3–.30	1N–1.0	127E–1.0	14–2	5.3b,4.9b			**¶620833501**
NEIC	VII	19 02 38 53.6–1.6	0.53N–.05	126.60E–.04	50–5	4.6b,4.9b			
GFZ	VII	19 02 38 54.0–.24	0N–3.0	127E–2.0	65–3	4.5b,4.4			
IDC	VII	19 02 38 56.9–2.1	0.48N	126.74E	92–19	4.3,4.0b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.4km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.4km s-min=4.9km az=17.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=22.6km s-min=9.5km az=76.0.

ISC	**VII**	**19 10 08 17.9–1.1**	**2.27N–.03**	**126.88E–.04**	**30–11**	**3.7b**	**36**	**1-63**	
IDC	VII	19 10 08 11.1–1.7	2.38N	127.14E	0	3.6b,3.6			**¶620928866**
DJA	VII	19 10 08 17.7–.20	2N–2.0	127E–2.0	10	4.7b,3.9			

ISC Event type se.

ISC	**VII**	**20 19 04 17.6–.47**	**2.37N–.05**	**126.62E–.06**	**55**	**4.1b**	**56**	**2-82**	
NEIC	VII	20 19 04 18.5–1.6	2.39N–.05	126.65E–.07	60–7	4.3b			**¶620961608**
IDC	VII	20 19 04 21.2–2.8	2.36N	126.83E	85–28	3.9,3.5b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=13.3km az=71.0.

ISC	**VII**	**13 16 52 54.7–1.1**	**2.94N–.08**	**126.70E–.06**	**63**	**3.6b**	**23**	**1-62**	
IDC	VII	13 16 52 47.5–1.6	2.77N	126.43E	0	3.7b,3.7			**¶620928546**
DJA	VII	13 16 52 52.5–.40	3N–4.0	127E–3.0	10	4.4b,4.4b			

ISC Event type se.

ISC	**VII**	**24 13 07 22.2–.25**	**2.85N–.03**	**126.59E–.04**	**60–2**	**5.3b**	**1209**	**1-166**	
GFZ	VII	24 13 07 16.7	2.99N	126.57E	70	5.2W			**¶620845662**
BJI	VII	24 13 07 18.5	2.53N	126.50E	68	5.6b,5.3s			
MOS	VII	24 13 07 18.8–.80	2.87N	126.32E	41	5.4b,5.3s			
MAN	VII	24 13 07 19.9	2.81N	126.74E	76	5.5b,4.8s			
IDC	VII	24 13 07 21.1–1.1	2.83N	126.37E	47–10	5.1L,5.1			
GFZ	VII	24 13 07 21.8–.11	3N–2.0	127E–2.0	64	5.5,5.4b			
DJA	VII	24 13 07 22.3–.20	3N–1.0	127E–1.0	66–2	6.0b,5.8			
NEIC	VII	24 13 07 22.4–2.3	2.88N–.06	126.60E–.06	55–5	5.3b,5.8			
GCMT	VII	24 13 07 24.2–.20	2.87N–.02	126.73E–.02	48–1	5.5W,5.8			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.15 $M_{\theta\theta}$-1.93 $M_{\phi\phi}$-1.22 $M_{r\theta}$1.82 $M_{\theta\phi}$6.33 $M_{\phi r}$6.26 NP1: ϕ_s352.56405°,δ74.75451°,λ135.02967°. NP2:ϕ_s97.28216°,δ47.01014°,λ21.06867°. Principal axes: T 10.0319,Plg41.9199°,Azm304.8104°; N -1.1854,Plg43.0452° ,Azm157.8167°; P -8.8465,Plg17.2305°,Azm50.9789° $M_0$9.49488×10^{16}

MAN Event type fe.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107241307A. Moment Tensor Solution. s55,c67; s84,c115; Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.08±.10 $M_{\theta\theta}$-0.41±.07; $M_{\phi\phi}$-1.67±.06; $M_{r\theta}$0.23±.05; $M_{\theta\phi}$-0.69±.05; $M_{\phi r}$1.11±.07; Best double couple: NP1:ϕ_s209.00000°,δ31.00000° ,λ99.00000°. NP2:ϕ_s18.00000°,δ60.00000°,λ84.00000°. Principal axes: T 2.3840,Plg75.0000°,Azm273.0000°; N -0.1240,Plg5.0000°,Azm21.0000° ; P -2.2610,Plg14.0000°,Azm112.0000° $M_0$2.32300×10^{17}

ISC	**VII**	**22 22 53 07.1–.69**	**1.25N–.04**	**126.91E–.04**	**74–7**	**4.4b**	**166**	**1-123**	
GFZ	VII	22 22 53 06.8–.28	1N–3.0	127E–3.0	84–4	4.6b,4.4			**¶620845237**
IDC	VII	22 22 53 06.7–2.6	1.22N	126.98E	71–24	4.2,3.9b			
DJA	VII	22 22 53 07.9–.30	1N–2.0	127E–2.0	34–7	5.3b,4.8b			
NEIC	VII	22 22 53 08.2–1.5	1.19N–.06	126.90E–.07	78–6	4.5b,4.8b			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DJA	**VII**	**23 19 08 30.3–1.0**	**0N–2.0**	**127E–2.0**	**18–9**	**5.0b,4.5b**			
									¶626066972
IDC	**VII**	**26 12 45 16.0–1.7**	**0.44N**	**126.36E**	**0**	**3.7,3.6b**			
									¶620973843

IDC Error ellipse: s-maj=180.2km s-min=22.0km az=66.0.

ISC	**VII**	**26 00 25 58.7–1.5**	**3.0N–.20**	**127.0E–.70**	**50**	**3.8b**	**8**	**21-68**	
IDC	VII	26 00 25 52.4–1.3	2.90N	126.57E	0	3.7b,3.7			**¶620973803**

ISC Event type se.
IDC Error ellipse: s-maj=102.4km s-min=16.6km az=71.0.

IDC	**VII**	**25 05 32 36.1–1.7**	**2.87N**	**126.61E**	**0**	**3.8,3.7b**			
									¶620973749

IDC Error ellipse: s-maj=116.5km s-min=20.4km az=70.0.

ISC	**VII**	**24 14 44 35.3–1.4**	**2.76N–.03**	**126.59E–.04**	**6–11**	**3.7b**	**34**	**1-58**	
IDC	VII	24 14 44 33.7–1.5	2.71N	126.34E	0	3.8b,3.8			**¶620970227**
DJA	VII	24 14 44 38.6–.80	3N–2.0	127E–2.0	18–7	4.2b,3.7			

ISC Event type se.

ISC	**VII**	**28 15 13 00.1–.54**	**2.49N–.04**	**126.84E–.05**	**53**	**3.9b**	**70**	**1-145**	
DJA	VII	28 15 12 57.9–.30	3N–3.0	127E–2.0	10	4.1b,3.9			**¶620979623**
NEIC	VII	28 15 13 01.1–1.7	2.35N–.09	126.9E–.10	57–7	4.1b,3.9			
IDC	VII	28 15 13 04.0–3.3	2.47N	126.97E	91–33	3.9,3.6b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=10.5km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.1km s-min=12.7km az=70.0.

IDC	**VII**	**27 23 56 36.3–1.6**	**1.04N**	**126.81E**	**0**	**3.5,3.4b**			
									¶620978993

IDC Error ellipse: s-maj=38.4km s-min=24.8km az=46.0.

ISC	**VII**	**30 10 17 32.4–.62**	**2.53N–.08**	**126.4E–.10**	**55**	**4.1b**	**31**	**2-73**	
IDC	VII	30 10 17 25.3–.79	2.59N	126.62E	0	4.0b,4.0			**¶620986059**
NEIC	VII	30 10 17 32.5–1.2	2.54N–.10	126.4E–.10	51–9	4.2b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**28 17 40 25.1–1.0**	**1.47N–.04**	**126.46E–.04**	**45–11**	**4.3b**	**93**	**1-94**	
IDC	VII	28 17 40 18.7–.63	1.47N	126.36E	0	4.1b,4.0			**¶620979628**
DJA	VII	28 17 40 22.7–.20	1N–2.0	126E–1.0	10	4.9b,4.4b			
NEIC	VII	28 17 40 26.1–1.2	1.45N–.05	126.50E–.07	54–9	4.4b,4.4b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**28 21 13 47.8–.96**	**1.84N–.04**	**126.53E–.04**	**45–10**	**4.4b,3.0s**	**136**	**1-85**	
DJA	VII	28 21 13 45.7–.20	2N–2.0	127E–1.0	10	5.0b,4.6b			**¶620857683**
GFZ	VII	28 21 13 47.1–.27	2N–3.0	127E–3.0	51–4	4.6b,4.3			
NEIC	VII	28 21 13 48.9–1.5	1.70N–.07	126.48E–.07	52–5	4.5b,4.3			
IDC	VII	28 21 13 49.4–2.5	1.80N	126.46E	57–23	4.0,3.8L			

ISC Event type se.
GFZ Error ellipse: s-maj=5.6km s-min=5.5km az=149.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.2km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.9km s-min=10.9km az=75.0.

ISC	**VII**	**28 12 30 38.2–.98**	**2.93N–.06**	**126.64E–.06**	**63**	**3.4b**	**17**	**1-58**	
IDC	VII	28 12 30 31.3–2.0	2.78N	126.53E	0	3.6,3.5b			**¶620979614**
DJA	VII	28 12 30 37.8–1.5	3N–4.0	127E–3.0	31–21	3.3,3.3			

ISC Event type se.

IDC	**VII**	**31 16 45 15.3–2.2**	**0.30N**	**126.06E**	**0**	**3.1b,3.1**			
									¶620986136

IDC Error ellipse: s-maj=200.9km s-min=28.6km az=65.0.

IDC	**VII**	**31 14 22 14.0–1.7**	**1.60N**	**126.59E**	**0**	**3.5,3.4L**			
									¶620986134

IDC Error ellipse: s-maj=45.2km s-min=25.2km az=54.0.

IDC	**VII**	**30 19 21 23.6–1.3**	**0.22N**	**126.41E**	**0**	**3.4,3.3b**			
									¶620986085

IDC Error ellipse: s-maj=71.2km s-min=23.9km az=74.0.

ISC	**VIII**	**02 09 10 18.1–.60**	**1.40N–.04**	**126.10E–.03**	**10**	**4.2b**	**39**	**1-124**	
IDC	VIII	02 09 10 18.3–.93	1.24N	125.31E	0	4.0b,3.9			**¶620993230**
NEIC	VIII	02 09 10 18.9–2.4	1.29N–.07	125.87E–.07	10–1	4.0b,3.9			
DJA	VIII	02 09 10 21.7–.30	2N–3.0	126E–2.0	10	5.5b,5.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**02 16 38 22.5–1.9**	**2.74N**	**126.20E**	**0**	**3.5,3.4b**			
									¶620993250

IDC Error ellipse: s-maj=120.3km s-min=24.3km az=68.0.

ISC	**VIII**	**04 04 10 18.8–.48**	**0.25N–.04**	**126.48E–.04**	**50**	**4.3b**	**79**	**1-91**	
DJA	VIII	04 04 10 15.9–.20	0N–3.0	126E–2.0	10	4.4b,4.1			**¶620997282**
NEIC	VIII	04 04 10 20.5–1.7	0.24N–.08	126.54E–.06	58–6	4.5b,4.1			
IDC	VIII	04 04 10 21.8–3.6	0.18N	126.59E	81–34	4.0,3.8b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.8km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.4km s-min=10.3km az=73.0.

IDC	**VIII**	**03 10 06 55.2–1.5**	**1.59N**	**125.87E**	**0**	**3.9b,3.9**			
									¶620995870

IDC Error ellipse: s-maj=175.6km s-min=20.0km az=65.0.

ISC	**VIII**	**06 21 17 23.2–.61**	**0.04N–.07**	**125.28E–.04**	**49**	**4.1b**	**39**	**1-77**	
IDC	VIII	06 21 17 16.9–1.0	0.14S	125.32E	0	3.8b,3.8			**¶620998924**
NEIC	VIII	06 21 17 24.1–1.2	0.1S–.10	125.39E–.02	57–9	4.5b,3.8			
DJA	VIII	06 21 17 24.7–.50	0N–11	125E–4.0	52–25	3.7,3.7			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**04 18 29 06.2–.47**	**0.79N–.04**	**126.16E–.04**	**10**	**4.2b**	**74**	**1-91**	
IDC	VIII	04 18 29 04.3–.60	0.94N	126.30E	0	3.9b,3.9			**¶620997322**
DJA	VIII	04 18 29 07.9–.20	1N–3.0	126E–1.0	10	4.6b,4.2			
NEIC	VIII	04 18 29 08.3–1.4	0.91N–.10	126.26E–.05	23–5	4.4b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DJA	**VIII**	**06 00 07 12.0–.80**	**3N–3.0**	**127E–2.0**	**13–8**	**5.1b,4.4**			
									¶626187963

ISC	**VIII**	**05 00 16 04.1–.00**	**1.51N–.06**	**126.59E–.04**	**47**	**3.9b**	**23**	**1-64**	
IDC	VIII	05 00 15 58.6–1.6	0.73N	124.92E	0	3.8s,3.7b			**¶620998773**
DJA	VIII	05 00 16 02.6–1.0	2N–4.0	127E–3.0	14–10	3.5,3.5			

ISC Event type se.

ISC	**VIII**	**05 22 33 36.5–.76**	**0.2N–.10**	**126.27E–.09**	**35**	**3.9b**	**19**	**1-90**	
IDC	VIII	05 22 33 31.7–.91	0.16N	126.07E	0	3.8,3.7b			**¶620998838**
NEIC	VIII	05 22 33 35.4–.38	0.1N–.10	126.29E–.08	27–7	4.1b,3.7b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**07 08 07 56.9–.52**	**0.29N–.06**	**126.38E–.06**	**47**	**4.3b**	**62**	**1-84**	
IDC	VIII	07 08 07 50.5–.77	0.29N	126.16E	0	4.1b,4.1			**¶621000714**
DJA	VIII	07 08 07 54.5–1.2	0N–5.0	126E–3.0	10–12	4.9b,4.4b			
NEIC	VIII	07 08 07 57.5–1.6	0.26N–.07	126.49E–.06	48–8	4.5b,4.4b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**06 16 01 39.0–.44**	**1.11N–.05**	**125.56E–.04**	**79**	**4.0b**	**88**	**1-92**	
DJA	VIII	06 16 01 39.8–1.4	1N–3.0	126E–2.0	29–15	4.9b,4.7b			**¶620998911**
IDC	VIII	06 16 01 39.8–2.7	1.09N	125.46E	88–26	4.0,3.7b			
NEIC	VIII	06 16 01 40.4–2.2	1.12N–.09	125.57E–.05	82–7	4.2b,3.7b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**07 17 31 43.6–.93**	**3.0N–.10**	**127.0E–.20**	**44**	**3.8b**	**9**	**11-82**	
IDC	VIII	07 17 31 37.6–.93	2.94N	126.80E	0	4.9L,3.7			**¶621000729**

ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=16.6km az=78.0.

ISC	**VIII**	**07 05 13 29.3–.92**	**0.51N–.07**	**126.34E–.04**	**35**	**3.9b**	**19**	**1-88**	
IDC	VIII	07 05 13 24.3–1.1	0.61N	126.62E	0	3.8b,3.8			**¶621000703**
DJA	VIII	07 05 13 28.0–1.5	1N–5.0	126E–2.0	25–16	3.7,3.7			

ISC Event type se.

ISC	**VIII**	**07 06 10 33.0–1.5**	**0.29N–.05**	**126.31E–.04**	**30–12**	**4.4b**	**63**	**1-90**	
IDC	VIII	07 06 10 28.4–.68	0.25N	126.11E	0	4.1b,4.1			**¶621000709**
DJA	VIII	07 06 10 32.8–1.2	0N–4.0	126E–2.0	25–12	3.6,3.6			
NEIC	VIII	07 06 10 33.9–1.7	0.30N–.08	126.38E–.05	34–5	4.4b,3.6			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**07 06 44 49.5–.42**	**0.51N–.05**	**126.13E–.04**	**44**	**4.4b**	**88**	**1-93**	
IDC	VIII	07 06 44 43.1–.50	0.47N	126.11E	0	4.3b,4.3			**¶621000711**
DJA	VIII	07 06 44 46.9–.20	1N–3.0	126E–1.0	10	5.0b,4.8b			
NEIC	VIII	07 06 44 50.5–1.3	0.45N–.07	126.26E–.05	49–8	4.6b,4.8b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**10 08 11 11.4–.93**	**0.29N–.06**	**126.36E–.04**	**35**	**3.5b**	**21**	**1-64**	
IDC	VIII	10 08 11 03.7–1.9	0.81N	127.33E	0	3.5,3.4b			**¶621008103**
DJA	VIII	10 08 11 11.4–1.3	0N–4.0	126E–3.0	36–29	3.1,3.1			

ISC Event type se.

ISC	**VIII**	**08 07 07 04.3–.55**	**1.54N–.05**	**126.43E–.06**	**47**	**4.1b**	**48**	**1-75**	
IDC	VIII	08 07 06 58.4–.82	1.49N	126.28E	0	4.0b,4.0			**¶621002116**
NEIC	VIII	08 07 07 05.0–1.3	1.42N–.09	126.32E–.09	43–7	4.2b,4.0			
DJA	VIII	08 07 07 05.7–.20	2N–3.0	127E–2.0	10	4.3b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**09 13 34 54.9–2.3**	**1.68N**	**126.36E**	**0**	**3.3b,3.3**			
									¶621007265

IDC Error ellipse: s-maj=188.3km s-min=28.4km az=65.0.
ISC VIII 09 08 01 58.2–.94 0.44N–.08 125.77E–.04 10 3.5b 18 1-64
IDC VIII 09 08 01 55.8–1.4 0.46N 126.01E 0 3.5b,3.5 **¶621007241**
DJA VIII 09 08 01 59.6–.30 0N–6.0 126E–2.0 10 3.5,3.5
ISC Event type se.
ISC VIII 11 23 09 09.3–.97 1.62N–.06 126.45E–.04 47 3.6b 20 1-63
IDC VIII 11 23 09 01.9–1.6 1.67N 126.52E 0 3.6b,3.6 **¶621009368**
DJA VIII 11 23 09 08.0–.30 2N–4.0 126E–2.0 10 3.5,3.5
ISC Event type se.
ISC VIII 10 05 13 41.4–.58 1.74N–.04 126.31E–.04 47 4.2b,3.2s 65 1-96
IDC VIII 10 05 13 36.3–.81 1.40N 125.38E 0 4.1L,4.1b **¶621008092**
NEIC VIII 10 05 13 40.3–.99 1.81N–.07 126.30E–.10 39–7 4.2b,4.1b
DJA VIII 10 05 13 42.0–1.3 2N–2.0 126E–2.0 29–13 4.8b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 11 21 12 24.8–.84 1.44N–.05 126.34E–.04 50 3.9b 30 1-69
DJA VIII 11 21 12 22.0–.20 1N–3.0 126E–2.0 10 3.8b,3.7 **¶621009362**
IDC VIII 11 21 12 31.3–6.8 1.21N 126.12E 113–73 3.7,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=82.9km s-min=17.8km az=77.0.
DJA VIII 10 14 26 24.0–.50 1N–3.0 127E–2.0 37–12 3.6b,3.4
¶626188216
IDC VIII 12 17 01 01.6–2.2 2.94N 126.87E 0 3.6b,3.6
¶621009434
IDC Error ellipse: s-maj=257.5km s-min=26.1km az=70.0.
ISC VIII 12 13 34 35.4–.33 1.66N–.04 126.55E–.05 47 4.5b,3.4s 176 1-123
GFZ VIII 12 13 34 34.9–.28 2N–2.0 127E–2.0 50–3 4.7b,4.6 **¶620984161**
DJA VIII 12 13 34 36.6–1.7 2N–3.0 127E–2.0 21–18 5.2b,5.0b
IDC VIII 12 13 34 37.6–1.8 1.60N 126.58E 71–15 4.2,3.9b
NEIC VIII 12 13 34 37.8–1.7 1.60N–.08 126.59E–.08 70–7 4.6b,3.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 26 12 25 53.1–1.9 1.41N 126.28E 0 3.4b,3.4
¶621058993
IDC Error ellipse: s-maj=183.3km s-min=23.4km az=66.0.
IDC VIII 12 14 51 05.0–7.5 2.28N 127.34E 109–56 3.9s,3.6
¶621009420
IDC Error ellipse: s-maj=84.3km s-min=55.0km az=27.0.
DJA VIII 16 14 38 29.9–.50 1N–2.0 127E–2.0 26–5 4.5b,4.0
¶626188658
IDC VIII 24 11 56 37.0–2.1 2.82N 126.07E 0 3.6b,3.6
¶621049322
IDC Error ellipse: s-maj=232.9km s-min=22.7km az=66.0.
DJA VIII 16 16 10 38.9–.50 2N–4.0 127E–3.0 104–7 3.8b,3.4
¶626188657
IDC VIII 22 05 33 45.9–1.7 2.15N 127.24E 0 3.9L,3.6
¶621043059
IDC Error ellipse: s-maj=53.7km s-min=23.8km az=50.0.
ISC VIII 22 23 12 02.5–1.1 1.28N–.05 126.22E–.04 54 3.5b 24 1-59
IDC VIII 22 23 11 55.4–2.0 1.22N 125.77E 0 3.7,3.6b **¶621043140**
DJA VIII 22 23 12 01.8–.20 1N–3.0 126E–2.0 10 4.3b,3.6
ISC Event type se.
ISC VIII 23 19 52 34.0–.75 0.33N–.04 126.28E–.03 10 4.1b 34 1-64
IDC VIII 23 19 52 30.8–1.6 0.28N 126.08E 0 3.9b,3.9 **¶621049260**
DJA VIII 23 19 52 34.9–.20 0N–3.0 126E–2.0 10 5.9b,5.7b
ISC Event type se.
ISC VIII 30 17 06 04.1–.93 1.46N–.06 126.45E–.04 22–6 3.8b 33 1-59
IDC VIII 30 17 06 01.1–2.1 1.33N 126.50E 0 3.6b,3.6 **¶621076534**
DJA VIII 30 17 06 03.9–.50 1N–2.0 126E–1.0 12–4 3.8b,3.5
ISC Event type se.
ISC VIII 29 08 34 52.5–1.1 1.78N–.09 126.61E–.05 47 3.7b 17 1-63
IDC VIII 29 08 34 46.8–1.7 1.48N 125.91E 0 3.6b,3.6 **¶621073164**
DJA VIII 29 08 34 50.4–.60 2N–7.0 127E–3.0 10 5.6b,5.1
ISC Event type se.
ISC IX 01 18 02 28.7–1.4 0.4N–.20 125.4E–.10 10 3.8b 6 6-64
IDC IX 01 18 02 26.8–1.2 0.32N 125.28E 0 3.7b,3.7 **¶621080637**
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=19.9km az=50.0.
ISC IX 05 23 00 58.4–.66 0.31N–.09 126.41E–.07 35 4.2b 29 1-76
IDC IX 05 23 00 53.6–1.1 0.41N 126.54E 0 4.2,4.1b **¶621086426**
NEIC IX 05 23 00 55.3–1.5 0.35N–.05 126.41E–.06 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 05 05 56 30.5–2.2 2.43N 126.95E 0 3.6b,3.6
¶621086384
IDC Error ellipse: s-maj=215.6km s-min=23.4km az=67.0.
IDC IX 10 00 20 51.7–2.1 1.75N 126.51E 0 3.8,3.7b
¶621108476
IDC Error ellipse: s-maj=175.3km s-min=26.3km az=66.0.
ISC IX 06 03 16 47.6–.64 0.31N–.09 126.0E–.10 10 4.2b,3.6s 28 1-145
IDC IX 06 03 16 45.9–.96 0.28N 125.84E 0 3.8,3.7L **¶621094223**
NEIC IX 06 03 16 48.4–2.0 0.35N–.10 125.89E–.04 10–1 4.6b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 07 09 03 27.6–8.1 2.68N 127.04E 0 3.7b,3.7
¶621094315
IDC Error ellipse: s-maj=133.0km s-min=107.0km az=131.0.
ISC IX 10 15 33 21.7–.81 2.52N–.10 127.8E–.10 51 3.8b 24 4-91
IDC IX 10 15 33 14.4–1.1 2.78N 127.82E 0 4.0L,3.8 **¶621108528**
MAN IX 10 15 33 27.7 3.08N 127.39E 8 5.2b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=47.3km s-min=15.0km az=56.0.
MAN Event type fe.
ISC IX 11 00 01 23.5–.75 0.9N–.10 126.37E–.06 10 4.2b 22 1-86
IDC IX 11 00 01 22.0–1.4 0.88N 126.23E 0 4.1b,4.0 **¶621108546**
NEIC IX 11 00 01 23.8–.66 1.0N–.10 126.37E–.04 7–6 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 11 15 49 37.3–1.6 0.66N 125.31E 0 3.7b,3.7
¶621108591
IDC Error ellipse: s-maj=196.4km s-min=20.8km az=65.0.
ISC IX 11 02 54 29.9–.44 0.47N–.05 126.27E–.05 47 4.3b 77 1-124
IDC IX 11 02 54 22.9–.57 0.50N 126.29E 0 4.2b,4.2 **¶621069027**
GFZ IX 11 02 54 29.9–.25 0N–3.0 126E–2.0 49–4 4.5b,4.5b
NEIC IX 11 02 54 30.6–1.9 0.44N–.08 126.32E–.05 50–8 4.2b,4.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 11 23 17 26.3–2.4 0.69N 125.25E 0 3.4,3.3b
¶621108605
IDC Error ellipse: s-maj=292.5km s-min=26.2km az=64.0.
ISC IX 11 19 45 46.9–.38 0.93N–.04 125.95E–.05 44 4.5b 110 1-94
IDC IX 11 19 45 40.8–.47 0.91N 125.84E 0 4.3b,4.3 **¶621108599**
NEIC IX 11 19 45 47.2–1.4 0.93N–.06 126.00E–.05 43–3 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 11 13 28 52.3–1.5 0.87N 125.47E 0 3.9L,3.8b
¶621108585
IDC Error ellipse: s-maj=117.6km s-min=20.0km az=68.0.
ISC IX 19 09 54 15.9–.95 1.50N–.04 126.96E–.04 116–8 3.6b 37 1-60
IDC IX 19 09 54 13.8–12 1.21N 126.59E 90–139 3.7,3.4L **¶621113616**
DJA IX 19 09 54 16.6–.30 2N–2.0 127E–2.0 100–5 4.2b,3.8
ISC Event type se.
DJA IX 13 17 19 23.7–.80 2N–2.0 126E–2.0 16–7 5.0b,4.3
¶626358353
DJA IX 13 23 08 59.7–.90 2N–2.0 127E–2.0 25–9 5.3b,5.1b
¶626358349
DJA IX 14 13 32 49.3–.40 3N–4.0 127E–2.0 10 4.4b,3.8
¶626358388
ISC IX 18 16 08 35.3–.91 2.12N–.04 127.05E–.04 101–9 3.6b 36 1-63
IDC IX 18 16 08 23.2–1.7 2.18N 127.29E 0 3.6b,3.6 **¶621113573**
DJA IX 18 16 08 37.4–.60 2N–2.0 127E–2.0 34–11 3.6,3.6
ISC Event type se.
ISC IX 12 16 59 04.4–.93 1.18N–.06 126.41E–.04 10 3.5b 21 1-64
IDC IX 12 16 58 59.4–1.8 1.40N 126.58E 0 3.5,3.4b **¶621109668**
DJA IX 12 16 59 06.4–.30 1N–4.0 126E–2.0 10 3.0,3.0
ISC Event type se.
ISC IX 18 14 49 16.8–.95 2.99N–.04 126.62E–.04 60–9 4.3b,3.4s 102 1-123
IDC IX 18 14 49 09.1–.54 2.79N 126.15E 0 4.2b,4.2 **¶621082987**
NEIC IX 18 14 49 14.9–2.5 2.95N–.06 126.60E–.08 37–8 4.4b,4.2
DJA IX 18 14 49 16.0–.80 3N–3.0 127E–2.0 26–9 4.9b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 12 11 26 11.0–2.1 1.02N 126.90E 0 3.7s,3.4
¶621109650
IDC Error ellipse: s-maj=117.7km s-min=26.9km az=69.0.
ISC IX 20 09 48 31.3–2.0 2.11N–.04 126.97E–.04 33–10 3.6b 27 1-61
IDC IX 20 09 48 16.7–2.3 2.27N 127.68E 0 3.6,3.6s **¶621115987**
DJA IX 20 09 48 30.9–.60 2N–2.0 127E–2.0 31–9 5.1b,4.5
ISC Event type se.
ISC IX 19 11 48 54.8–1.7 1.52N–.04 126.53E–.03 6–12 4.0b 40 1-81
IDC IX 19 11 48 53.1–1.4 1.44N 126.47E 0 3.9b,3.9 **¶621113622**
DJA IX 19 11 48 57.5–.50 1N–2.0 127E–1.0 11–4 3.9b,3.7
ISC Event type se.
ISC IX 19 21 09 54.9–.99 1.71N–.05 126.49E–.04 35 3.4b 22 1-63
IDC IX 19 21 09 50.5–1.8 1.51N 125.77E 0 3.4,3.3b **¶621113644**
DJA IX 19 21 09 52.4–.20 2N–3.0 126E–2.0 10 3.8b,3.3
ISC Event type se.
ISC IX 19 15 14 30.6–.75 1.0N–.10 126.31E–.08 39 4.0b 20 1-89
IDC IX 19 15 14 24.7–1.9 1.22N 126.40E 0 3.8b,3.8 **¶621113629**
NEIC IX 19 15 14 27.5–1.0 1.0N–.10 126.35E–.05 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 22 43 46.8–.67 1.84N–.04 126.56E–.03 21–4 4.2b 50 1-93
IDC IX 22 22 43 43.0–1.6 1.88N 126.65E 0 4.0b,4.0 **¶621118181**
NEIC IX 22 22 43 49.2–.60 1.9N–.10 126.6E–.10 38–11 4.3b,4.0
DJA IX 22 22 43 49.1–.90 2N–2.0 127E–2.0 24–8 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 12 03 29.2–.34 1.79N–.03 126.51E–.03 31–2 5.3b,4.7s 1004 1-160
BJI IX 22 12 03 23.4 1.44N 126.51E 21 5.6b,5.2b **¶621105923**
GFZ IX 22 12 03 27.5–.15 2N–2.0 126E–3.0 10 5.9b,5.5
GFZ IX 22 12 03 27.1 1.78N 126.45E 27 5.2W,5.5
MOS IX 22 12 03 28.2–.84 1.80N 126.44E 37 5.6b,5.5
IDC IX 22 12 03 29.6–.90 1.72N 126.36E 39–7 5.0,4.8b
DJA IX 22 12 03 30.1–.10 2N–1.0 127E–1.0 32–1 5.9b,5.5
NEIC IX 22 12 03 30.1–1.6 1.81N–.05 126.59E–.07 34–5 5.4,5.4b
GCMT IX 22 12 03 35.2–.30 1.88N–.02 126.62E–.02 38–0 5.5W,5.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.54 $M_{\theta\theta}$1.27 $M_{\phi\phi}$-5.80 $M_{r\theta}$2.18 $M_{\theta\phi}$-5.16 $M_{\phi r}$-1.80 NP1: ϕ_s174.28126°,δ60.52775°,λ39.80703°. NP2:ϕ_s61.98651°,δ56.12673°,λ143.65977°. Principal axes: T 7.0575,Plg47.9029°,Azm30.1580°; N 1.4947,Plg41.9741°,Azm204.8377° ; P -8.5523,Plg2.6488°,Azm297.2229° $M_0$7.91151×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221203A. Moment Tensor Solution. s48,c58; s84,c122; Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.81±.12 $M_{\theta\theta}$-0.30±.07; $M_{\phi\phi}$-1.51±.07; $M_{r\theta}$0.58±.06; $M_{\theta\phi}$-1.06±.04; $M_{\phi r}$0.11±.07; Best double couple: NP1:ϕ_s195.00000°,δ41.00000° ,λ67.00000°. NP2:ϕ_s45.00000°,δ52.00000°,λ109.00000°. Principal axes: T 1.9690,Plg74.0000°,Azm11.0000°; N 0.1940,Plg15.0000°,Azm213.0000° ; P -2.1640,Plg6.0000°,Azm121.0000° $M_0$2.06700×10^{17}
ISC IX 20 23 56 58.3–.47 1.78N–.03 125.90E–.04 75–4 4.8b 374 1-160
BJI IX 20 23 56 53.6 1.53N 125.88E 56 4.9b,4.7b **¶621093581**
GFZ IX 20 23 56 57.9–.14 2N–2.0 126E–2.0 78 5.1b,4.9b
NEIC IX 20 23 56 57.2–1.6 1.80N–.06 125.87E–.06 56–6 4.9b,4.9b
DJA IX 20 23 56 57.3–.90 2N–2.0 126E–1.0 14–8 5.2b,5.0b
IDC IX 20 23 57 00.1–1.5 1.75N 125.83E 88–13 4.6,4.3b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.7km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=7.5km az=80.0.
ISC IX 22 12 41 28.3–1.0 1.81N–.05 126.58E–.04 55–13 3.8b 28 1-63
IDC IX 22 12 41 21.0–1.5 1.81N 126.57E 0 3.9s,3.7b **¶621118144**
DJA IX 22 12 41 28.2–.90 2N–3.0 127E–2.0 34–16 3.3,3.3
ISC Event type se.
ISC IX 28 09 19 25.4–1.3 0.33N–.04 126.15E–.03 6–9 4.3b 52 1-91
IDC IX 28 09 19 25.5–.84 0.20N 126.07E 0 4.1b,4.1 **¶621140821**
NEIC IX 28 09 19 25.8–1.2 0.29N–.08 126.17E–.05 10–1 4.2b,4.1
DJA IX 28 09 19 28.6–.20 0N–2.0 126E–2.0 10 6.0b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 24 06 36 17.5–.38 2.10N–.03 126.68E–.04 45–3 5.2b,4.6s 804 1-166
IDC IX 24 06 36 10.7–.36 2.08N 126.62E 0 4.8b,4.8 **¶625373326**
BJI IX 24 06 36 14.5 1.99N 126.64E 39 5.0b,5.0b
MOS IX 24 06 36 14.6–1.0 2.07N 126.63E 35 5.5b,5.0s
NEIC IX 24 06 36 16.8 2.10N 126.69E 34 5.5b,5.0s
GFZ IX 24 06 36 16.6–.49 2N–2.0 127E–3.0 39–4 5.6b,5.4
GFZ IX 24 06 36 16.6 2.14N 126.71E 38 5.3W,5.4
NEIC IX 24 06 36 17.0–1.4 2.11N–.06 126.69E–.06 36–6 5.3b,5.4
MAN IX 24 06 36 17.4 2.05N 126.85E 84 5.6b,4.9s
DJA IX 24 06 36 18.0–.30 2N–2.0 127E–1.0 37–4 5.5b,5.4W
GCMT IX 24 06 36 20.9–.10 2.19N–.01 126.52E–.01 36–0 5.4W,5.4W
NEIC IX 24 06 36 26.5 2.10N 126.69E 36 5.3,5.4W
ISC Event type fe.
IDC Error ellipse: s-maj=14.8km s-min=8.5km az=75.0.
MOS Error ellipse: s-maj=8.4km s-min=4.6km az=113.5.
NEIC Event type se.
GFZ Error ellipse: s-maj=5.9km s-min=4.3km az=62.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.28 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.17 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.54 $M_{\phi r}$-0.13 NP1: ϕ_s201.01210°,δ47.75567°,λ87.30431°. NP2:ϕ_s25.01822°,δ42.31409°,λ92.96457°. Principal axes: T 1.2918,Plg86.6238°,Azm76.6306°; N 0.1090,Plg1.9952°,Azm202.8251° ; P -1.4007,Plg2.7224°,Azm292.9200° $M_0$1.34958×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.7km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109240636A. Moment Tensor Solution. s129,c228; s126,c215;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.43±.02 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$-1.28±.02; $M_{r\theta}$-0.26±.03; $M_{\theta\phi}$-0.69±.02; $M_{\phi r}$-0.25±.03; Best double couple: NP1: ϕ_s19.00000°,δ39.00000°,λ81.00000°. NP2:ϕ_s211.00000°,δ52.00000°,λ97.00000°. Principal axes: T 1.4790,Plg82.0000°,Azm157.0000°; N 0.1640,Plg6.0000°,Azm26.0000° ; P -1.6410,Plg6.0000°,Azm296.0000° $M_0$1.56000×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.34 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-1.13 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.18 $M_{\phi r}$-0.24 NP1:ϕ_s11.35000°,δ39.61000° ,λ91.42000°. NP2:ϕ_s189.50000°,δ50.41000°,λ88.82000°. Principal axes: T 1.3646,Plg85.0000°,Azm91.0000°; N -0.1808,Plg1.0000°,Azm190.0000° ; P -1.1838,Plg5.0000°,Azm280.0000° $M_0$1.28000×10^{17}

ISC	**IX**	**24 11 35 15.4–.59**	**2.84N–.03**	**127.21E–.04**	**77–6**	**4.7b**	**230**	**1-122**
BJI	IX	24 11 35 09.2	2.35N	127.69E	70	5.0b,4.8b		¶621109404
IDC	IX	24 11 35 14.1–1.5	2.82N	127.21E	62–15	4.4,4.1b		
DJA	IX	24 11 35 14.2–.20	3N–2.0	127E–1.0	10	5.5b,5.1b		
NEIC	IX	24 11 35 15.2–1.1	2.84N–.07	127.24E–.09	69–7	4.7b,5.1b		
MAN	IX	24 11 35 18.0	2.88N	126.63E	83	5.4b,4.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.6km s-min=8.3km az=70.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.1km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.

IDC	**IX**	**26 07 57 42.5–1.6**	**2.29N**	**127.60E**	**0**	**3.7b,3.7**		
								¶621131501

IDC Error ellipse: s-maj=52.5km s-min=20.4km az=47.0.

ISC	**IX**	**27 02 27 30.4–.65**	**2.49N–.04**	**126.84E–.04**	**10**	**4.0b**	**32**	**1-63**
IDC	IX	27 02 27 27.4–1.2	2.46N	126.75E	0	3.9,3.8b		¶621140675
DJA	IX	27 02 27 33.4–1.3	3N–4.0	127E–3.0	18–13	3.5,3.5		
MAN	IX	27 02 27 36.4	2.68N	126.41E	7	5.0b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=74.8km s-min=16.6km az=67.0.
MAN Event type fe.

ISC	**IX**	**23 18 58 31.9–.99**	**1.11N–.04**	**126.76E–.03**	**57–12**	**3.6b**	**32**	**1-64**
IDC	IX	23 18 58 23.9–1.8	1.07N	126.64E	0	3.6b,3.6		¶621108679
DJA	IX	23 18 58 31.6–.50	1N–3.0	127E–2.0	25–5	3.5,3.5		

ISC Event type se.

IDC	**IX**	**25 20 13 52.5–2.0**	**2.63N**	**127.71E**	**0**	**3.3b,3.3**		
								¶621131466

IDC Error ellipse: s-maj=167.3km s-min=23.0km az=68.0.

IDC	**IX**	**26 14 51 08.4–1.6**	**2.62N**	**126.10E**	**0**	**3.5,3.4L**		
								¶621131517

IDC Error ellipse: s-maj=58.3km s-min=24.2km az=51.0.

ISC	**IX**	**24 18 05 21.7–1.0**	**0.45N–.07**	**126.32E–.05**	**47**	**3.1b**	**17**	**1-60**
IDC	IX	24 18 05 15.6–2.0	0.50N	126.44E	0	3.5L,3.3		¶621126452
DJA	IX	24 18 05 19.3–.30	0N–5.0	126E–2.0	10	3.0L,3.0		

ISC Event type se.

ISC	**X**	**02 08 53 52.2–1.4**	**2.8N–.30**	**126.6E–.50**	**63**	**3.9b**	**6**	**24-62**
IDC	X	02 08 53 44.6–1.3	2.74N	126.42E	0	3.7b,3.7		¶621186055

ISC Event type se.
IDC Error ellipse: s-maj=79.0km s-min=20.3km az=65.0.

ISC	**IX**	**28 06 25 13.0–.33**	**0.46N–.03**	**126.44E–.03**	**31–2**	**5.2b,4.2s**	**731**	**1-159**
BJI	IX	28 06 25 04.6	0.57S	126.92E	46	5.1b,5.0b		¶621111214
IDC	IX	28 06 25 08.4–.37	0.49N	126.34E	0	4.9b,4.9		
NEIC	IX	28 06 25 11.0–1.4	0.52N–.07	126.45E–.04	15–4	5.3b,5.0		
MOS	IX	28 06 25 10.0–.94	0.46N	126.29E	24	5.4b,5.0		
DJA	IX	28 06 25 12.5–.20	1N–1.0	126E–1.0	19–1	5.5b,5.2		
GCMT	IX	28 06 25 16.4–.20	0.49N–.01	126.37E–.01	23–0	5.1W,5.2		
GFZ	IX	28 06 25 16.7–.33	0N–3.0	126E–3.0	62–4	5.3b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109280625A. Moment Tensor Solution. s77,c99; s109,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.03±.16 $M_{\theta\theta}$-0.52±.10; $M_{\phi\phi}$-4.51±.11; $M_{r\theta}$-0.96±.17; $M_{\theta\phi}$-1.83±.08; $M_{\phi r}$0.44±.16; Best double couple: NP1:ϕ_s213.00000°,δ46.00000° ,λ106.00000°. NP2:ϕ_s10.00000°,δ47.00000°,λ74.00000°. Principal axes: T 5.2490,Plg78.0000°,Azm203.0000°; N -0.0260,Plg12.0000°,Azm21.0000° ; P -5.2230,Plg0.0000°,Azm111.0000° $M_0$5.23600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

DJA	**IX**	**29 03 28 09.3–.50**	**1N–2.0**	**127E–2.0**	**31–6**	**2.9,2.9**		
								¶626359139
IDC	**X**	**05 06 21 46.9–11**	**2.48N**	**127.56E**	**255–105**	**3.7,3.3s**		
								¶621203161

IDC Error ellipse: s-maj=180.2km s-min=27.8km az=64.0.

ISC	**X**	**02 16 14 00.0–.84**	**2.56N–.04**	**127.58E–.07**	**50**	**3.3b**	**41**	**1-63**
IDC	X	02 16 13 51.0–1.8	2.57N	127.66E	0	3.4b,3.4		¶621186078
DJA	X	02 16 13 59.9–1.2	3N–4.0	128E–4.0	29–12	4.9b,4.3b		
MAN	X	02 16 14 02.1	2.42N	126.92E	48	5.2b,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=108.1km s-min=21.6km az=64.0.
MAN Event type fe.

ISC	**X**	**03 04 47 45.3–.91**	**2.09N–.05**	**127.00E–.07**	**10**	**3.8b**	**21**	**1-69**
IDC	X	03 04 47 41.9–1.0	2.13N	127.22E	0	3.7b,3.7		¶621186112
DJA	X	03 04 47 47.5–1.0	2N–4.0	127E–4.0	16–11	3.6,3.6		

ISC Event type se.

ISC	**X**	**04 10 59 20.4–.83**	**1.03N–.04**	**126.94E–.04**	**40–9**	**4.5b,3.4s**	**130**	**0-91**
DJA	X	04 10 59 18.9–.30	1N–2.0	127E–1.0	16–3	5.3b,5.0b		¶621122777
NEIC	X	04 10 59 19.2–1.5	1.03N–.08	126.92E–.06	24–4	4.6b,5.0b		
IDC	X	04 10 59 21.0–1.8	0.93N	127.01E	49–18	4.3,4.2L		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.0km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.8km s-min=8.9km az=77.0.

ISC	**X**	**03 16 48 22.0–1.3**	**0.6N–.20**	**125.9E–.10**	**10**	**3.8b**	**6**	**6-64**
IDC	X	03 16 48 20.2–1.1	0.59N	125.80E	0	3.7b,3.7		¶621186139

ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=19.3km az=53.0.

ISC	**X**	**05 00 50 57.4–2.1**	**1.40N–.04**	**126.55E–.03**	**7–15**	**4.0b**	**33**	**1-85**
IDC	X	05 00 50 56.1–1.4	1.20N	126.05E	0	3.9b,3.9		¶621203143
DJA	X	05 00 51 00.7–.70	1N–2.0	127E–2.0	20–7	3.8,3.8		

ISC Event type se.

ISC	**X**	**09 22 36 21.2–.81**	**1.77N–.05**	**126.41E–.04**	**35**	**3.8b**	**34**	**1-93**
IDC	X	09 22 36 14.9–1.3	1.70N	126.07E	0	3.7,3.6b		¶621235353
DJA	X	09 22 36 20.7–.20	2N–3.0	126E–2.0	10	4.9b,4.1		

ISC Event type se.

ISC	**X**	**08 13 23 27.0–.93**	**1.35N–.04**	**126.91E–.04**	**58–11**	**3.8b**	**44**	**1-64**
IDC	X	08 13 23 19.0–1.6	1.34N	126.87E	0	3.8b,3.8		¶621224658
DJA	X	08 13 23 27.1–.40	1N–2.0	127E–2.0	31–5	5.1b,4.4		

ISC Event type se.

ISC	**X**	**06 18 58 15.0–.00**	**1.11N–.05**	**126.82E–.05**	**72**	**3.3b**	**22**	**1-64**
IDC	X	06 18 58 06.5–2.1	1.22N	127.06E	0	3.4,3.3b		¶621217165
DJA	X	06 18 58 15.6–.50	1N–3.0	127E–4.0	38–8	3.2,3.2		

ISC Event type se.

ISC	**X**	**07 19 17 02.0–.46**	**0.41N–.05**	**126.03E–.06**	**44**	**4.2b**	**106**	**1-90**
IDC	X	07 19 16 55.5–.58	0.31N	125.83E	0	4.1b,4.0		¶621217234
DJA	X	07 19 17 01.7–1.3	0N–2.0	126E–2.0	15–13	4.8b,4.3b		
NEIC	X	07 19 17 02.7–1.5	0.37N–.08	126.07E–.06	49–7	4.4b,4.3b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**11 17 30 29.8–.61**	**0.82N–.04**	**126.05E–.03**	**26–4**	**4.9b,3.7s**	**319**	**1-124**
IDC	X	11 17 30 25.5–.37	0.76N	126.02E	0	4.6b,4.5		¶621145558
BJI	X	11 17 30 27.4	0.25N	126.14E	47	5.2b,4.7b		
NEIC	X	11 17 30 28.1–1.6	0.85N–.06	126.09E–.04	13–4	5.0b,4.7b		
DJA	X	11 17 30 30.4–.20	1N–3.0	126E–1.0	10	5.3b,5.3b		
GFZ	X	11 17 30 32.6–.16	1N–3.0	126E–3.0	56	5.2b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

IDC	**X**	**10 09 57 05.8–1.9**	**1.47N**	**126.56E**	**0**	**3.4b,3.4**		
								¶621235377

IDC Error ellipse: s-maj=191.9km s-min=22.4km az=66.0.

ISC	**X**	**10 21 54 05.5–.64**	**0.89N–.09**	**126.41E–.06**	**39**	**4.2b**	**24**	**1-124**
IDC	X	10 21 53 59.5–1.8	0.97N	126.43E	0	3.8,3.7b		¶621235407
NEIC	X	10 21 54 06.5–2.0	0.87N–.10	126.43E–.04	35–2	4.4b,3.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**11 17 46 52.0–1.3**	**0.9N–.10**	**125.65E–.06**	**79**		**13**	**1-26**
DJA	X	11 17 46 49.9–.90	1N–10	126E–6.0	106–8	2.8,2.8		¶621236896
IDC	X	11 17 47 18.8–1.6	2.76S	126.89E	0	3.5b,3.4		

ISC Event type se.
IDC Error ellipse: s-maj=98.3km s-min=26.5km az=73.0.

ISC	**X**	**11 15 27 52.7–.58**	**0.85N–.03**	**126.10E–.03**	**40–5**	**5.0b,3.9s**	**585**	**1-159**
IDC	X	11 15 27 46.7–.37	0.77N	125.95E	0	4.8b,4.7		¶621145551
BJI	X	11 15 27 48.3	0.44N	126.07E	41	5.1b,4.8b		
NEIC	X	11 15 27 49.1–1.2	0.89N–.06	126.13E–.05	10–1	5.0b,4.8b		
GFZ	X	11 15 27 53.2–.12	1N–2.0	126E–2.0	46	5.4b,5.2		
GFZ	X	11 15 27 53.2	0.86N	126.10E	41	4.9W,5.2		
DJA	X	11 15 27 53.8–.10	1N–1.0	126E–1.0	47–2	5.6b,5.2		
GCMT	X	11 15 27 57.0–.40	0.93N–.03	126.06E–.03	32–1	5.3W,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.78 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-2.82 $M_{r\theta}$-0.47 $M_{\theta\phi}$-1.22 $M_{\phi r}$-0.72 NP1: ϕ_s204.56714°,δ52.95127°,λ95.55263°. NP2:ϕ_s15.40111°,δ37.40342°,λ82.69577°. Principal axes: T 2.9061,Plg81.0182°,Azm140.5593°; N 0.4776,Plg4.4292°,Azm21.2150° ; P -3.3837,Plg7.7981°,Azm290.6072° $M_0$3.17199×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110111527A. Moment Tensor Solution. s24,c26; s73,c90; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.08 $M_{\theta\theta}$-0.24±.04; $M_{\phi\phi}$-0.79±.05; $M_{r\theta}$-0.08±.06; $M_{\theta\phi}$-0.23±.02; $M_{\phi r}$-0.19±.05; Best double couple: NP1:ϕ_s19.00000°,δ39.00000° ,λ89.00000°. NP2:ϕ_s200.00000°,δ51.00000°,λ91.00000°. Principal axes: T 1.0610,Plg84.0000°,Azm114.0000°; N -0.1570,Plg0.0000°,Azm20.0000° ; P -0.8990,Plg6.0000°,Azm290.0000° $M_0$0.98000×10^{17}

ISC	**X**	**11 13 17 43.9–1.1**	**0.85N–.04**	**126.12E–.02**	**17–7**	**4.0b**	**64**	**1-91**
IDC	X	11 13 17 41.7–.76	0.93N	126.21E	0	3.9b,3.9		¶621236887
NEIC	X	11 13 17 42.8–1.5	0.92N–.09	126.10E–.05	7–5	4.3b,3.9		
DJA	X	11 13 17 45.8–.20	1N–3.0	126E–1.0	10	3.5,3.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**18 16 48 39.1–1.2**	**1.24N–.04**	**126.23E–.04**	**32–11**	**3.7b**	**36**	**1-64**
IDC	X	18 16 48 33.8–.96	1.11N	125.81E	0	3.6L,3.6		¶621244037
DJA	X	18 16 48 39.0–.60	1N–3.0	126E–1.0	14–5	3.4,3.4		

ISC Event type se.

ISC	**X**	**13 08 39 11.0–.72**	**2.09N–.04**	**126.51E–.04**	**47**	**4.5s,4.2b**	**56**	**1-63**
IDC	X	13 08 39 03.4–1.3	2.24N	126.72E	0	4.3s,4.1b		¶621238960
NEIC	X	13 08 39 09.3–1.0	2.2N–.10	126.6E–.10	35–2	4.2b,4.1b		
DJA	X	13 08 39 12.2–2.1	2N–3.0	127E–2.0	19–21	5.0b,4.5b		
MAN	X	13 08 39 15.5	2.47N	126.45E	24	5.2b,4.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=103.5km s-min=17.1km az=68.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=12.6km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.

ISC	**X**	**13 21 36 34.7–.85**	**2.26N–.05**	**126.73E–.05**	**35**	**3.6b**	**22**	**1-63**
IDC	X	13 21 36 29.3–1.7	2.11N	126.38E	0	3.5b,3.5		¶621238996
DJA	X	13 21 36 34.3–1.4	2N–3.0	127E–2.0	16–13	3.3,3.3		

ISC Event type se.

ISC	**X**	**14 15 16 29.6–.20**	**1.23N–.02**	**126.14E–.03**	**46–1**	**5.8b,5.0s**	**2050**	**1-176**
BJI	X	14 15 16 25.9	0.89N	126.15E	45	5.7b,5.4b		¶621186226
GFZ	X	14 15 16 26.4	1.28N	126.12E	47	5.6W,5.4b		
IDC	X	14 15 16 28.9–1.3	1.22N	126.04E	33–9	5.6,5.5b		
MOS	X	14 15 16 28.4–.97	1.28N	126.04E	42	6.1b,5.5b		
NEIC	X	14 15 16 29	1.22N	126.15E	34	6.1b,5.5b		
IPGP	X	14 15 16 29.0	1.21N	126.18E	52	5.6W,5.5b		
NEIC	X	14 15 16 29.4	1.21N	126.17E	38	5.6W,5.5b		
NEIC	X	14 15 16 29.9	1.41N	126.57E	36	5.5,5.5b		
GFZ	X	14 15 16 29.7–.39	1N–2.0	126E–2.0	40–3	6.1b,6.0		
NEIC	X	14 15 16 29.8–1.9	1.24N–.05	126.16E–.04	41–1	5.9b,5.5		
DJA	X	14 15 16 29.6–.10	1N–1.0	126E–1.0	38–1	6.1b,6.0		
PTWC	X	14 15 16 32	1.20N	126.20E	69	5.7,6.0		
GCMT	X	14 15 16 33.0–.10	1.32N–.01	126.13E–.01	41–0	5.6W,6.0		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.70 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-2.55 $M_{r\theta}$-0.60 $M_{\theta\phi}$-0.79 $M_{\phi r}$-0.45 NP1: ϕ_s205.58925°,δ51.91620°,λ101.29315°. NP2:ϕ_s7.64972°,δ39.47793°,λ75.96940°. Principal axes: T 2.8393,Plg79.0965°,Azm162.6479°; N 0.0121,Plg8.8669°,Azm18.5672° ; P -2.8514,Plg6.2946°,Azm287.5812° $M_0$2.84534×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s36.00000°,δ42.00000°,λ108.00000°. NP2:ϕ_s193.00000° ,δ50.00000°,λ75.00000°.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}2.50 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-2.57 $M_{r\theta}$0.16 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.24 NP1:ϕ_s4.56000°,δ42.49000°,λ95.66000°. NP2:ϕ_s176.90000°,δ47.76000°,λ84.83000°. Principal axes: T 2.5239,Plg85.0000° ,Azm35.0000°; N 0.0598,Plg4.0000°,Azm180.0000°; P -2.5837,Plg3.0000°,Azm271.0000° $M_0$2.55000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.54 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-2.47 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.69 $M_{\phi r}$0.06 NP1:ϕ_s21.42000°,δ46.94000°,λ98.99000°. NP2:ϕ_s188.38000°,δ43.81000° ,λ80.51000°. Principal axes: T 2.5779,Plg83.0000°,Azm2.0000°; N 0.0792,Plg7.0000° ,Azm195.0000°; P -2.6571,Plg2.0000°,Azm105.0000° $M_0$2.62000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110141516A. Moment Tensor Solution. s143,c268; s150,c307;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.80±.04 $M_{\theta\theta}$0.07±.03; $M_{\phi\phi}$-2.87±.03; $M_{r\theta}$-0.31±.03; $M_{\theta\phi}$-1.46±.02; $M_{\phi r}$-0.81±.04; Best double couple: NP1: ϕ_s23.00000°,δ37.00000°,λ91.00000°. NP2:ϕ_s202.00000°,δ53.00000°,λ89.00000°. Principal axes: T 2.9190,Plg82.0000°,Azm108.0000°; N 0.6740,Plg1.0000°,Azm202.0000° ; P -3.5900,Plg8.0000°,Azm292.0000° $M_0$3.25500×10^{17}

ISC	**X**	**14 15 32 06.6–.90**	**1.24N–.04**	**126.23E–.04**	**56–9**	**4.4b**	**150**	**1-94**
IDC	X	14 15 32 00.0–.53	1.20N	126.11E	0	4.3b,4.2		¶621196187
DJA	X	14 15 32 04.5–.20	1N–2.0	126E–1.0	10	5.5b,5.0		
NEIC	X	14 15 32 06.3–1.4	1.20N–.06	126.19E–.05	54–7	4.4b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**18 13 37 04.5–.96**	**1.90N–.04**	**126.29E–.03**	**67–12**	**3.5b**	**36**	**1-63**
IDC	X	18 13 36 55.8–1.6	1.93N	126.31E	0	3.6b,3.5		¶621244031
DJA	X	18 13 37 02.5–.60	2N–2.0	126E–1.0	14–4	3.2,3.2		

ISC Event type se.

ISC	**X**	**12 14 22 57.0–.93**	**0.83N–.05**	**126.09E–.04**	**44**	**3.5b**	**31**	**1-64**
IDC	X	12 14 22 47.5–1.3	1.56N	126.99E	0	3.7,3.5b		¶621236957
DJA	X	12 14 22 55.1–.20	1N–3.0	126E–2.0	10	3.6b,3.5		

ISC Event type se.

IDC	**X**	**15 03 32 30.9–1.7**	**0.90N**	**125.89E**	**0**	**3.6b,3.6**		

¶621242031
IDC Error ellipse: s-maj=122.6km s-min=22.1km az=68.0.
IDC X 15 12 58 43.5–1.5 1.21N 126.06E 0 3.5b,3.5
¶621242062
IDC Error ellipse: s-maj=41.9km s-min=23.9km az=55.0.
ISC X 16 04 16 47.5–.91 2.5N–.10 127.9E–.10 51 3.8b 12 0-69
IDC X 16 04 16 41.4–.91 2.71N 127.90E 0 4.2L,3.7b ¶621242101
DJA X 16 04 16 44.2–.60 2N–5.0 128E–4.0 10 3.8,3.8
ISC Event type se.
ISC X 17 19 54 52.0–.85 1.37N–.05 126.31E–.04 10 3.7b,2.8s 24 1-64
IDC X 17 19 54 50.7–1.4 1.08N 125.65E 0 3.6L,3.6b ¶621242900
DJA X 17 19 54 53.1–.30 1N–3.0 126E–2.0 10 3.3,3.3
ISC Event type se.
ISC X 11 12 34 35.4–.24 0.79N–.03 126.13E–.03 33–0 5.6b,5.2s 1439 1-176
IDC X 11 12 34 29.9–.29 0.78N 125.94E 0 5.3b,5.2 ¶621145544
BJI X 11 12 34 31.1 0.38N 126.15E 39 5.7b,5.2s
MOS X 11 12 34 34.2–1.1 0.88N 125.98E 35 5.8b,5.0s
DJA X 11 12 34 35.2–.10 1N–1.0 126E–1.0 26–1 6.2b,6.0
GFZ X 11 12 34 36.4–.15 1N–1.0 126E–1.0 40–1 6.1b,5.8
NEIC X 11 12 34 36.1–1.7 0.81N–.06 126.20E–.05 37–6 5.7b,5.3
NEIC X 11 12 34 36 0.81N 126.20E 36 5.7b,5.3
GFZ X 11 12 34 38.5 0.80N 126.14E 36 5.6W,5.3
GCMT X 11 12 34 40.9–.20 0.92N–.01 126.16E–.01 31–0 5.8W,5.3
NEIC X 11 12 34 43.6 0.81N 126.30E 36 5.7,5.3
ISC Event type se.
IDC Error ellipse: s-maj=9.7km s-min=6.2km az=76.0.
MOS Error ellipse: s-maj=8.5km s-min=4.7km az=114.3.
GFZ Error ellipse: s-maj=3.0km s-min=2.9km az=125.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.4km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.63 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-2.94 $M_{r\theta}$-1.10 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.89 NP1: ϕ_s209.38361°,δ42.06219°,λ124.63758°. NP2:ϕ_s346.44533°,δ56.55064°,λ62.84703°. Principal axes: T 3.2317,Plg66.1668°,Azm203.4472°; N -0.1192,Plg22.3821°,Azm2.2313° ; P -3.1125,Plg7.7709°,Azm95.4528° $M_0$3.17376×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110111234A. Moment Tensor Solution. s77,c104; s128,c225;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.38±.18 $M_{\theta\theta}$0.44±.11; $M_{\phi\phi}$-5.83±.11; $M_{r\theta}$-0.83±.19; $M_{\theta\phi}$-1.07±.07; $M_{\phi r}$1.72±.16; Best double couple: NP1: ϕ_s201.00000°,δ39.00000°,λ109.00000°. NP2:ϕ_s358.00000°,δ54.00000°,λ76.00000°. Principal axes: T 5.8180,Plg76.0000°,Azm221.0000°; N 0.3970,Plg12.0000°,Azm7.0000° ; P -6.2210,Plg8.0000°,Azm98.0000° $M_0$6.01900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.68 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-4.60 $M_{r\theta}$-0.71 $M_{\theta\phi}$-1.32 $M_{\phi r}$1.11 NP1:ϕ_s206.68000°,δ40.95000° ,λ107.79000°. NP2:ϕ_s3.65000°,δ51.39000°,λ75.15000°. Principal axes: T 4.9612,Plg77.0000°,Azm218.0000°; N 0.0743,Plg12.0000°,Azm13.0000° ; P -5.0355,Plg5.0000°,Azm104.0000° $M_0$5.00000×10^{17}
ISC X 11 12 54 42.0–.88 0.8N–.10 126.15E–.04 44 3.5b 18 1-69
IDC X 11 12 54 35.8–1.4 0.71N 125.89E 0 3.5b,3.5 ¶621236884
DJA X 11 12 54 40.8–2.3 1N–8.0 126E–3.0 17–23 3.3,3.3
ISC Event type se.
IDC X 13 10 19 45.9–2.0 2.65N 127.49E 0 3.3b,3.3
¶621238963
IDC Error ellipse: s-maj=130.3km s-min=22.2km az=70.0.
ISC X 14 21 13 18.9–1.1 1.20N–.04 126.18E–.05 50–13 4.0b 50 1-64
IDC X 14 21 13 12.4–1.1 1.02N 125.61E 0 3.9L,3.9b ¶621240658
DJA X 14 21 13 16.4–.20 1N–2.0 126E–1.0 10 4.2b,3.9
ISC Event type se.
ISC X 16 10 08 28.0–.31 0.85N–.04 126.21E–.04 44 4.6b,3.8s 351 1-124
IDC X 16 10 08 21.6–.42 0.69N 126.18E 0 4.5b,4.5 ¶621204658
BJI X 16 10 08 25.3 0.52N 126.36E 56 5.1b,4.7b
GFZ X 16 10 08 28.3–.14 1N–2.0 126E–2.0 55 4.9b,4.8
NEIC X 16 10 08 28.3–1.0 0.86N–.07 126.27E–.04 44–7 4.6b,4.8
DJA X 16 10 08 28.4–.10 1N–2.0 126E–1.0 43–3 5.3b,4.9b
GCMT X 16 10 08 31.7–.40 0.91N–.02 126.08E–.02 32–1 4.9W,4.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110161008A. Moment Tensor Solution. s20,c22; s67,c87; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.70±.22 $M_{\theta\theta}$0.94±.13; $M_{\phi\phi}$-2.63±.13; $M_{r\theta}$-0.71±.15; $M_{\theta\phi}$0.04±.09; $M_{\phi r}$-0.46±.14; Best double couple: NP1:ϕ_s332.00000°,δ47.00000° ,λ47.00000°. NP2:ϕ_s205.00000°,δ58.00000°,λ126.00000°. Principal axes: T 2.1620,Plg59.0000°,Azm170.0000°; N 0.5250,Plg30.0000°,Azm4.0000° ; P -2.6780,Plg6.0000°,Azm271.0000° $M_0$2.42000×10^{16}
ISC X 19 08 13 02.2–1.6 0.82N–.06 126.20E–.05 14–12 3.6b 25 1-64
IDC X 19 08 13 00.9–1.6 0.34N 125.10E 0 3.5,3.4b ¶621244070
DJA X 19 08 13 02.6–.20 1N–3.0 126E–1.0 10 3.4,3.4
ISC Event type se.
ISC X 20 12 14 26.7–1.2 1.3N–.20 125.8E–.70 54 3.7b 8 19-63
IDC X 20 12 14 18.8–1.2 1.54N 126.31E 0 3.7,3.6L ¶621246599
ISC Event type se.
IDC Error ellipse: s-maj=104.4km s-min=18.1km az=70.0.
ISC X 19 13 53 38.5–.85 1.18N–.05 126.31E–.04 39 3.7b 30 1-69
IDC X 19 13 53 32.4–1.1 1.17N 126.41E 0 3.7b,3.7 ¶621244084
DJA X 19 13 53 36.6–.20 1N–3.0 126E–2.0 10 4.7b,3.9
ISC Event type se.
ISC X 21 07 47 27.9–.85 2.80N–.04 127.22E–.04 77–9 4.2b 60 1-93
IDC X 21 07 47 19.9–1.1 2.42N 126.39E 0 3.8L,3.8b ¶621261391
NEIC X 21 07 47 28.8–.51 2.66N–.09 127.1E–.10 76–10 4.2b,3.8b
DJA X 21 07 47 28.2–.90 3N–2.0 127E–2.0 23–8 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA X 21 16 04 24.3–.20 0N–3.0 127E–2.0 47–12 4.5b,3.9b
¶626704218
DJA X 21 11 47 42.5–.90 1N–2.0 126E–2.0 22–8 4.7b,4.2b
¶626704227
ISC X 21 17 31 47.4–1.0 1.69N–.06 126.20E–.04 54 3.1b 23 1-59
IDC X 21 17 31 35.9–2.6 3.08N 129.29E 0 3.3b,3.3 ¶621261418
DJA X 21 17 31 46.4–.50 2N–4.0 126E–2.0 82–10 4.2b,3.6
ISC Event type se.
ISC X 24 03 22 10.2–.69 1.62N–.03 126.49E–.03 51–6 4.6b,3.5s 266 1-138
DJA X 24 03 22 08.1–.20 2N–2.0 127E–1.0 10 5.2b,5.0b ¶621238045
BJI X 24 03 22 09.6 1.40N 126.16E 58 5.5b,4.7b
GFZ X 24 03 22 09.6–.25 2N–2.0 127E–2.0 52–2 5.2b,4.8b
NEIC X 24 03 22 10.4–1.8 1.55N–.06 126.50E–.07 46–6 4.8b,4.8b
IDC X 24 03 22 10.6–1.7 1.57N 126.46E 58–15 4.4,4.1b
ISC Event type se.
GFZ Error ellipse: s-maj=5.2km s-min=3.9km az=55.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.7km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=7.6km az=79.0.
ISC X 22 20 41 50.2–.96 2.07N–.04 127.19E–.05 66–11 3.5b 28 1-63
IDC X 22 20 41 42.7–1.7 1.86N 126.86E 0 3.5b,3.5 ¶621309347
DJA X 22 20 41 50.8–.40 2N–2.0 127E–2.0 38–10 3.3,3.3
ISC Event type se.
IDC X 21 21 30 15.5–2.0 0.49N 126.58E 0 3.3,3.2b
¶621261428
IDC Error ellipse: s-maj=204.6km s-min=23.8km az=66.0.
IDC X 31 00 42 54.0–2.2 0.73N 125.62E 0 3.1b,3.1
¶621395210
IDC Error ellipse: s-maj=215.1km s-min=28.6km az=64.0.
ISC X 26 23 29 59.8–1.1 1.99N–.05 126.67E–.04 48–15 3.5b 28 1-63
IDC X 26 23 29 52.4–1.6 2.44N 127.51E 0 3.7b,3.7 ¶621366496
DJA X 26 23 29 57.2–.20 2N–3.0 127E–2.0 10 3.7b,3.4
ISC Event type se.
IDC X 24 02 42 59.6–8.2 2.79N 127.31E 0 3.5b,3.5
¶621366371
IDC Error ellipse: s-maj=188.7km s-min=128.1km az=76.0.
ISC X 31 09 57 55.9–1.3 2.9N–.30 127.7E–.30 49 4.0b 7 5-63
IDC X 31 09 57 49.7–1.1 2.78N 127.22E 0 3.7b,3.7 ¶621395240
ISC Event type se.
IDC Error ellipse: s-maj=62.5km s-min=16.7km az=57.0.
ISC XI 01 18 40 21.4–.76 2.06N–.05 126.62E–.05 47 4.1b 61 1-145
IDC XI 01 18 40 15.7–1.7 1.82N 126.06E 0 3.8b,3.8 ¶621401292
DJA XI 01 18 40 19.5–.30 2N–3.0 127E–2.0 10 4.1b,3.7
NEIC XI 01 18 40 22.9–1.6 2.0N–.10 126.58E–.09 58–9 4.1b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 01 13 32 15.3–.50 1.26N–.05 126.23E–.06 54 4.2b 71 1-87
IDC XI 01 13 32 08.2–.88 1.22N 126.18E 0 3.9b,3.9 ¶621401268
DJA XI 01 13 32 13.1–.20 1N–3.0 126E–2.0 10 4.8b,4.4b
NEIC XI 01 13 32 15.4–1.2 1.26N–.09 126.33E–.06 50–7 4.4b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XI 03 02 31 30.5–1.2 2N–3.0 126E–2.0 12–11 5.7b,5.3
¶626705034
IDC XI 04 09 38 09.6–2.2 1.48N 125.26E 0 3.2b,3.2
¶621412288
IDC Error ellipse: s-maj=206.9km s-min=28.5km az=64.0.
ISC XI 04 05 48 44.6–.86 2.07N–.04 127.01E–.05 71–9 4.2b 60 1-82
IDC XI 04 05 48 35.9–.76 2.04N 127.15E 0 4.1b,4.1 ¶621412276
NEIC XI 04 05 48 44.3–1.1 2.11N–.05 127.1E–.10 69–9 4.2b,4.1
DJA XI 04 05 48 45.8–.70 2N–3.0 127E–3.0 36–15 5.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 03 09 11 20.2–.35 1.87N–.04 126.60E–.05 47 4.3b,3.0s 167 1-93
IDC XI 03 09 11 13.6–.45 1.83N 126.59E 0 4.2b,4.2 ¶621256504
DJA XI 03 09 11 18.1–.20 2N–2.0 127E–2.0 10 5.2b,5.0b
GFZ XI 03 09 11 19.5–.19 2N–2.0 127E–2.0 48 5.3b,4.7
NEIC XI 03 09 11 19.4–1.1 1.86N–.09 126.62E–.06 36–7 4.5b,4.7
MAN XI 03 09 11 22.2 1.93N 126.00E 49 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=8.2km az=77.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=3.7km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC XI 04 17 33 27.8–1.1 0.39N–.06 125.31E–.04 35 3.1b 22 1-60
IDC XI 04 17 33 21.1–1.7 0.41N 125.09E 0 3.4L,3.3 ¶621412309
DJA XI 04 17 33 27.6–.90 0N–4.0 125E–3.0 15–8 3.5,3.5
ISC Event type se.
ISC XI 04 14 06 51.1–.37 1.32N–.04 126.40E–.05 47 4.4b 141 1-146
IDC XI 04 14 06 44.4–.59 1.30N 126.19E 0 4.1b,4.0 ¶621309476
DJA XI 04 14 06 49.4–.20 1N–3.0 126E–2.0 10 4.9b,4.7b
GFZ XI 04 14 06 51.5–.19 1N–2.0 126E–2.0 55 4.6b,4.5b
NEIC XI 04 14 06 52.4–2.1 1.24N–.05 126.39E–.04 55–6 4.5b,4.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 07 09 10 26.2–1.2 2.85N 127.36E 0 3.6L,3.6
¶621416029
IDC Error ellipse: s-maj=61.0km s-min=16.0km az=53.0.
ISC XI 04 20 29 34.1–.97 1.81N–.05 126.23E–.04 35 3.5b 22 1-63
IDC XI 04 20 29 27.5–1.7 2.02N 126.67E 0 3.5,3.4b ¶621412314
DJA XI 04 20 29 32.4–.30 2N–3.0 126E–2.0 10 3.1,3.1
ISC Event type se.
ISC XI 06 11 22 02.5–1.0 2.1N–.30 128.0E–.30 134 3.9b 8 4-69
IDC XI 06 11 22 02.8–4.3 2.15N 128.05E 138–47 3.8,3.5b ¶621415979
ISC Event type se.
IDC Error ellipse: s-maj=84.8km s-min=17.7km az=68.0.
ISC XI 05 22 58 24.0–1.2 0.80N–.05 126.72E–.03 19–4 3.5b 25 1-64
IDC XI 05 22 58 22.4–1.7 0.62N 126.51E 0 3.5,3.4b ¶621413999
DJA XI 05 22 58 26.9–.40 1N–3.0 127E–2.0 20–4 2.9,2.9
ISC Event type se.
ISC XI 08 04 45 22.0–.93 1.05N–.07 126.14E–.04 10 3.8b 24 1-64
IDC XI 08 04 45 19.7–1.6 0.55N 125.13E 0 3.7b,3.7 ¶621423074
DJA XI 08 04 45 23.6–.20 1N–5.0 126E–2.0 10 3.6b,3.5
ISC Event type se.
IDC XI 07 04 07 22.3–2.0 1.37N 126.15E 0 3.5L,3.4b
¶621416019
IDC Error ellipse: s-maj=123.5km s-min=26.7km az=68.0.
ISC XI 08 05 11 58.4–.82 1.42N–.06 126.37E–.05 10 4.1b 19 1-63
IDC XI 08 05 11 56.2–1.3 1.40N 126.30E 0 4.0b,3.9 ¶621423076
DJA XI 08 05 11 59.7–.30 1N–5.0 126E–3.0 10 3.7,3.7
ISC Event type se.
ISC XI 13 22 42 21.6–2.2 1.44N–.05 126.47E–.03 8–15 4.2b 68 1-88
IDC XI 13 22 42 20.4–1.2 1.32N 126.37E 0 4.0b,4.0 ¶621468620
DJA XI 13 22 42 23.6–.20 1N–2.0 126E–1.0 10 4.8b,4.1
NEIC XI 13 22 42 26.4–1.2 1.3N–.10 126.44E–.06 42–9 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 08 57 28.1–1.0 0.91N–.07 125.50E–.03 60–15 3.8b 24 1-36
DJA XI 09 08 57 26.2–.20 1N–3.0 126E–1.0 10 3.9,3.9 ¶626705253
IDC XI 09 08 57 42.3–3.7 0.66S 128.11E 0 3.8,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=144.1km s-min=39.3km az=73.0.
ISC XI 08 21 50 39.4–1.1 2.28N–.05 127.19E–.05 50–14 3.6b 24 1-63
IDC XI 08 21 50 32.7–1.5 2.27N 127.19E 0 3.8,3.7b ¶621423122
DJA XI 08 21 50 37.3–.70 2N–3.0 127E–3.0 12–6 3.4,3.4
ISC Event type se.
ISC XI 10 15 09 49.1–.76 2.79N–.04 127.41E–.06 86–7 4.5b 159 1-122
NEIC XI 10 15 09 48.5–1.8 2.85N–.06 127.47E–.09 78–7 4.6b ¶621392735
DJA XI 10 15 09 48.0–.30 3N–2.0 127E–2.0 10 5.2b,5.0b
IDC XI 10 15 09 49.1–1.5 2.70N 127.39E 86–14 4.4,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.0km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.1km s-min=8.1km az=66.0.
ISC XI 14 11 06 04.6–1.0 1.81N–.05 126.42E–.04 67–14 3.5b 25 1-59
IDC XI 14 11 05 56.0–2.1 1.71N 126.33E 0 3.4b,3.4 ¶621468668
DJA XI 14 11 06 02.7–.70 2N–2.0 126E–2.0 13–6 4.5b,3.6
ISC Event type se.
ISC XI 17 18 56 45.1–.97 2.56N–.04 126.36E–.04 69–12 3.5b 27 1-63
IDC XI 17 18 56 36.1–1.8 2.63N 126.40E 0 3.5,3.4b ¶621494227
DJA XI 17 18 56 43.3–.70 3N–2.0 126E–2.0 14–6 3.3,3.3
ISC Event type se.
IDC XI 14 19 38 10.0–2.4 2.13N 127.13E 0 3.2b,3.2
¶621468735
IDC Error ellipse: s-maj=197.2km s-min=26.8km az=66.0.
IDC XI 17 07 59 48.6–2.2 0.44N 125.77E 0 3.9s,3.4
¶621494196
IDC Error ellipse: s-maj=215.5km s-min=28.5km az=65.0.
IDC XI 17 08 04 55.6–1.9 1.81N 126.55E 0 3.5b,3.5

¶621494197
IDC Error ellipse: s-maj=189.8km s-min=21.9km az=66.0.
IDC XI 17 16 21 50.8–8.5 2.59N 127.21E 0 3.7,3.6b
¶621494218
IDC Error ellipse: s-maj=134.2km s-min=101.5km az=145.0.
ISC XI 18 06 10 08.7–.86 1.46N–.04 126.37E–.03 59–9 4.2b 75 1-87
IDC XI 18 06 10 00.6–.83 1.51N 126.31E 0 4.1L,4.1 ¶621532466
DJA XI 18 06 10 06.9–.50 1N–2.0 126E–1.0 12–4 4.0,4.0
NEIC XI 18 06 10 08.8–.84 1.42N–.09 126.44E–.06 56–10 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 19 16 02 46.5–2.4 1.84N 126.40E 0 3.2b,3.2
¶621590299
IDC Error ellipse: s-maj=200.2km s-min=28.9km az=65.0.
ISC XI 18 20 09 15.2–1.2 0.2N–.20 126.1E–.40 44 3.6b 6 8-85
IDC XI 18 20 09 09.2–1.1 0.24N 126.09E 0 3.7,3.6b ¶621532499
ISC Event type se.
IDC Error ellipse: s-maj=67.3km s-min=19.9km az=70.0.
ISC XI 24 15 15 33.2–.35 2.40N–.04 126.79E–.05 53 4.3b 139 1-152
DJA XI 24 15 15 30.4–.30 2N–3.0 127E–2.0 10 4.8b,4.7b ¶621464945
NEIC XI 24 15 15 33.0–1.9 2.37N–.06 126.79E–.07 49–2 4.4b,4.7b
IDC XI 24 15 15 32.9–1.8 2.33N 126.81E 53–17 4.2,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.9km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=8.7km az=70.0.
ISC XI 19 22 24 33.9–1.6 1.47N–.04 126.38E–.05 15–13 3.5b 27 1-59
IDC XI 19 22 24 31.4–2.3 1.26N 125.81E 0 3.5,3.4b ¶621590322
DJA XI 19 22 24 38.1–.80 2N–2.0 127E–2.0 19–7 3.3,3.3
ISC Event type se.
IDC XI 24 15 59 06.8–1.5 2.98N 127.14E 0 3.6,3.4b
¶621613994
IDC Error ellipse: s-maj=105.5km s-min=18.1km az=72.0.
ISC XI 26 06 33 30.5–.99 0.46N–.05 126.33E–.04 47 3.8b 32 1-60
IDC XI 26 06 33 24.3–1.9 0.52N 126.57E 0 3.7b,3.7 ¶621621987
DJA XI 26 06 33 27.9–.20 0N–3.0 126E–2.0 10 3.5,3.5
ISC Event type se.
IDC XI 29 09 01 09.5–2.3 2.45N 127.08E 0 3.2b,3.2
¶621626964
IDC Error ellipse: s-maj=133.1km s-min=27.4km az=69.0.
IDC XI 27 22 08 14.7–2.1 2.70N 127.86E 0 3.6b,3.6
¶621625149
IDC Error ellipse: s-maj=156.8km s-min=25.3km az=66.0.
IDC XI 30 20 34 21.2–8.0 2.63N 127.21E 0 3.9,3.8b
¶621627090
IDC Error ellipse: s-maj=131.2km s-min=104.1km az=133.0.
ISC XI 30 04 13 05.9–.99 0.49N–.05 126.59E–.04 47 3.9b 22 1-64
IDC XI 30 04 12 59.5–1.6 0.04S 125.53E 0 4.3s,3.9 ¶621627013
DJA XI 30 04 13 06.7–.80 0N–3.0 127E–2.0 32–13 3.4,3.4
ISC Event type se.
IDC XI 30 13 10 39.5–1.8 1.90N 125.01E 0 3.5b,3.5
¶621627060
IDC Error ellipse: s-maj=130.4km s-min=24.3km az=67.0.
ISC XII 01 16 48 56.4–.92 1.18N–.05 126.83E–.04 72 3.6b 41 1-64
DJA XII 01 16 48 56.4–.70 1N–3.0 127E–2.0 25–8 5.1b,4.5 ¶621629832
IDC XII 01 16 48 59.6–3.4 1.05N 126.98E 98–32 3.7,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=11.7km az=60.0.
ISC XII 01 20 15 05.1–1.1 2.05N–.06 126.78E–.05 63 3.7b 22 1-63
IDC XII 01 20 14 56.7–1.7 2.24N 127.08E 0 3.7,3.6b ¶621629846
DJA XII 01 20 15 02.9–.30 2N–4.0 127E–3.0 10 3.7,3.5
ISC Event type se.
IDC XII 02 01 41 30.9–2.3 1.23N 126.13E 0 3.1,3.0b
¶621629862
IDC Error ellipse: s-maj=204.5km s-min=29.2km az=65.0.
ISC XII 06 09 02 40.0–.98 1.16N–.05 126.84E–.05 68–9 3.6b 27 1-64
IDC XII 06 09 02 32.0–1.7 1.17N 126.83E 0 3.7,3.6b ¶621632591
DJA XII 06 09 02 40.2–.50 1N–3.0 127E–2.0 28–6 3.9,3.9
ISC Event type se.
DJA XII 02 12 04 31.5–.80 2N–2.0 126E–2.0 18–7 4.0b,3.8
¶626706433
ISC XII 07 07 04 57.4–.61 0.78N–.05 126.29E–.03 39 4.1b 44 1-88
IDC XII 07 07 04 51.5–.83 0.96N 126.78E 0 4.0b,4.0 ¶621632647
DJA XII 07 07 04 55.4–.20 1N–4.0 126E–2.0 10 4.0,4.0
NEIC XII 07 07 05 00.8–1.8 0.76N–.06 126.57E–.06 70–6 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 20 03 25.0–1.0 1.62N–.07 126.37E–.04 47 3.2b 25 1-59
IDC XII 08 20 03 17.8–2.1 1.65N 126.42E 0 3.4,3.3b ¶621634747
DJA XII 08 20 03 23.9–.20 2N–4.0 126E–2.0 10 3.9b,3.7
ISC Event type se.
ISC XII 09 08 17 26.2–1.2 2.18N–.03 126.74E–.03 24–8 4.4b 85 1-92
IDC XII 09 08 17 22.0–.55 2.09N 126.68E 0 4.1b,4.1 ¶621624278
DJA XII 09 08 17 27.1–.20 2N–2.0 127E–2.0 10 5.1b,5.0b
NEIC XII 09 08 17 29.0–1.2 2.17N–.07 126.79E–.09 45–7 4.4b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 10 03 51 58.0–2.0 1.59N 126.97E 0 3.5b,3.5
¶621644101
IDC Error ellipse: s-maj=120.5km s-min=25.3km az=69.0.
ISC XII 09 19 00 17.7–1.5 0.61N–.04 126.14E–.02 4–11 4.0b 49 1-100
IDC XII 09 19 00 16.6–1.4 0.43N 125.72E 0 3.8b,3.8 ¶621636592
NEIC XII 09 19 00 18.4–.61 0.6N–.10 126.15E–.05 10–2 4.6b,3.8
DJA XII 09 19 00 20.2–.70 1N–3.0 126E–1.0 11–6 3.6,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 17 00 43 55.2–1.8 0.06N 126.57E 0 3.6b,3.6
¶621656901
IDC Error ellipse: s-maj=194.3km s-min=23.1km az=66.0.
IDC XII 11 09 45 09.8–24 2.15N 127.94E 278–261 3.9,3.6s
¶621644181
IDC Error ellipse: s-maj=147.2km s-min=25.3km az=52.0.
IDC XII 14 10 28 41.8–2.3 1.31N 126.54E 0 3.3b,3.3
¶621652915
IDC Error ellipse: s-maj=208.3km s-min=26.4km az=66.0.
IDC XII 18 06 07 41.1–2.1 0.78N 126.72E 0 3.4,3.3b
¶621656974
IDC Error ellipse: s-maj=217.4km s-min=23.4km az=66.0.
ISC XII 17 14 35 00.7–.95 1.21N–.04 126.43E–.03 62–12 3.5b 37 1-64
IDC XII 17 14 34 52.0–1.6 1.38N 126.71E 0 3.5b,3.5 ¶621656934
DJA XII 17 14 34 58.5–.50 1N–2.0 126E–1.0 10–4 3.4,3.3
ISC Event type se.
IDC XII 19 12 19 55.8–2.2 2.15N 126.39E 0 3.5b,3.5
¶621657080
IDC Error ellipse: s-maj=192.7km s-min=25.9km az=66.0.
ISC XII 18 11 07 42.1–1.3 0.76N–.04 126.26E–.04 18–5 3.7b 27 1-60
IDC XII 18 11 07 37.6–2.0 1.11N 126.88E 0 3.6b,3.6 ¶621656996
DJA XII 18 11 07 43.3–.20 1N–3.0 126E–2.0 10 3.6,3.5
ISC Event type se.
IDC XII 22 05 59 13.1–2.3 1.98N 126.40E 0 3.9s,3.3
¶621686748
IDC Error ellipse: s-maj=201.5km s-min=27.0km az=66.0.
ISC XII 20 17 51 45.8–1.0 0.11N–.05 126.26E–.04 35 3.5b 25 1-60
IDC XII 20 17 51 40.6–1.9 0.07S 125.80E 0 3.6,3.5b ¶621685632
DJA XII 20 17 51 43.5–.20 0N–3.0 126E–2.0 10 5.2b,4.6
ISC Event type se.
ISC XII 22 00 17 12.9–.49 2.26N–.04 127.91E–.04 10 4.2b 60 0-148
IDC XII 22 00 17 11.2–.71 2.12N 127.71E 0 4.0b,4.0 ¶621686733
DJA XII 22 00 17 14.5–.50 2N–3.0 128E–3.0 10 4.1,4.1
NEIC XII 22 00 17 17.1–1.4 2.18N–.10 127.88E–.09 40–7 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 24 06 33 16.7–.49 0.74N–.05 125.22E–.04 10 4.2b,3.3s 74 1-91
IDC XII 24 06 33 16.7–.69 0.44N 125.39E 0 4.1L,4.1 ¶621652224
NEIC XII 24 06 33 17.6–1.2 0.77N–.07 125.23E–.04 19–5 4.3b,4.1
DJA XII 24 06 33 18.0–.20 1N–3.0 125E–2.0 10 5.1b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 12 19 57.3–.46 2.46N–.03 126.89E–.03 23–3 5.2b,4.2s 877 1-160
BJI XII 22 12 19 52.0 2.40N 126.90E 10 5.2b,5.0b ¶621644236
IDC XII 22 12 19 53.5–.34 2.36N 126.68E 0 5.0b,5.0
MOS XII 22 12 19 53.9–1.0 2.42N 126.78E 13 5.3b,5.0
GFZ XII 22 12 19 55.7–.12 2N–2.0 127E–2.0 10 5.4b,5.2b
NEIC XII 22 12 19 56.7–1.8 2.45N–.06 126.92E–.07 19–4 5.3b,4.9
DJA XII 22 12 20 01.0–.10 2N–1.0 127E–1.0 57–2 5.4b,5.2
GCMT XII 22 12 20 02.2–.20 2.52N–.02 126.78E–.02 30–0 5.0W,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112221219A. Moment Tensor Solution. s68,c84; s101,c143; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.05±.16 $M_{\theta\theta}$1.35±.11; $M_{\phi\phi}$-4.40±.12; $M_{r\theta}$0.45±.21; $M_{\theta\phi}$-1.48±.11; $M_{\phi r}$-1.33±.21; Best double couple: NP1:ϕ_s36.00000°,δ41.00000° ,λ124.00000°. NP2:ϕ_s174.00000°,δ57.00000°,λ64.00000°. Principal axes: T 3.5310,Plg66.0000°,Azm33.0000°; N 1.4050,Plg22.0000°,Azm189.0000° ; P -4.9370,Plg9.0000°,Azm283.0000° $M_0$4.23400×10^{16}
ISC XII 22 12 27 39.8–.52 2.41N–.02 126.91E–.03 28–3 5.1b,3.9s 818 1-160
MOS XII 22 12 27 35.0–.84 2.41N 126.80E 8 5.3b,3.9s ¶621644237
IDC XII 22 12 27 35.3–.38 2.36N 126.77E 0 5.0L,4.9b
BJI XII 22 12 27 35.0 2.40N 126.90E 10 5.2b,4.9b
GFZ XII 22 12 27 37.7–.12 2N–2.0 127E–3.0 10 5.5b,5.2b
NEIC XII 22 12 27 37.5–1.2 2.38N–.06 126.91E–.07 10–1 5.2b,4.9
DJA XII 22 12 27 42.5–.10 2N–1.0 127E–1.0 54–2 5.5b,5.2
GCMT XII 22 12 27 45.9–.20 2.53N–.02 126.80E–.02 31–0 5.1W,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112221227A. Moment Tensor Solution. s57,c68; s88,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.18±.22 $M_{\theta\theta}$0.58±.13; $M_{\phi\phi}$-4.76±.15; $M_{r\theta}$-0.04±.18; $M_{\theta\phi}$-1.73±.10; $M_{\phi r}$-1.08±.19; Best double couple: NP1:ϕ_s22.00000°,δ39.00000° ,λ97.00000°. NP2:ϕ_s192.00000°,δ51.00000°,λ84.00000°. Principal axes: T 4.3170,Plg82.0000°,Azm69.0000°; N 1.0690,Plg5.0000°,Azm196.0000° ; P -5.3860,Plg6.0000°,Azm286.0000° $M_0$4.85100×10^{16}
ISC XII 25 19 14 29.0–1.1 2.12N–.04 126.36E–.04 53–15 3.5b 30 1-63
IDC XII 25 19 14 21.0–1.7 2.24N 126.73E 0 3.6,3.5b ¶621700168
DJA XII 25 19 14 27.4–.80 2N–2.0 126E–2.0 15–7 4.1b,3.5
ISC Event type se.
ISC XII 26 02 22 53.9–.27 2.18N–.03 126.68E–.04 36–1 5.4b,4.2s 1091 1-171
MOS XII 26 02 22 51.7–.90 2.18N 126.51E 31 5.5b,4.5s ¶621653493
BJI XII 26 02 22 51.3 1.73N 126.70E 52 5.4b,5.2b
IDC XII 26 02 22 52.5–1.7 2.09N 126.51E 27–11 5.2,5.0b
NEIC XII 26 02 22 53.3–2.4 2.13N–.05 126.62E–.06 26–2 5.5b,5.3
GFZ XII 26 02 22 53.8 2.14N 126.69E 34 5.3W,5.3
GFZ XII 26 02 22 53.8–.10 2N–2.0 127E–2.0 33 5.7b,5.4
DJA XII 26 02 22 55.8–.10 2N–1.0 127E–1.0 53–1 5.7b,5.4
GCMT XII 26 02 22 56.9–.10 2.28N–.01 126.68E–.01 34–0 5.3W,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-0.66 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.57 $M_{\phi r}$-0.27 NP1: ϕ_s210.81526°,δ52.77967°,λ83.55570°. NP2:ϕ_s41.39242°,δ37.69436°,λ98.40511°. Principal axes: T 0.9808,Plg80.8366°,Azm90.9240°; N 0.1219,Plg5.1277°,Azm214.7238° ; P -1.1026,Plg7.5740°,Azm305.4074° $M_0$1.04704×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112260222A. Moment Tensor Solution. s129,c207; s125,c209;Duration: 1$\uparrow$1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.15±.02 $M_{\theta\theta}$-0.30±.01; $M_{\phi\phi}$-0.84±.02; $M_{r\theta}$-0.29±.02; $M_{\theta\phi}$-0.60±.01; $M_{\phi r}$-0.07±.02; Best double couple: NP1: ϕ_s22.00000°,δ41.00000°,λ74.00000°. NP2:ϕ_s223.00000°,δ51.00000°,λ103.00000°. Principal axes: T 1.2090,Plg78.0000°,Azm187.0000°; N 0.0460,Plg10.0000°,Azm35.0000° ; P -1.2560,Plg5.0000°,Azm304.0000° $M_0$1.23200×10^{17}
IDC XII 26 21 00 34.5–2.2 1.95N 126.15E 0 3.4,3.3b
¶621700254
IDC Error ellipse: s-maj=205.0km s-min=26.6km az=65.0.
ISC XII 27 05 19 38.1–1.2 2.6N–.30 127.7E–.50 64 4.0b 8 23-69
IDC XII 27 05 19 30.0–1.3 2.69N 127.76E 0 4.1b,4.1 ¶621717291
ISC Event type se.
IDC Error ellipse: s-maj=95.3km s-min=17.8km az=66.0.
ISC XII 28 21 49 27.2–.55 2.35N–.05 126.85E–.06 35 4.2b,2.8s 50 1-96
IDC XII 28 21 49 21.7–.72 2.17N 126.48E 0 3.8b,3.8 ¶621717419
DJA XII 28 21 49 26.6–.40 2N–4.0 127E–4.0 10 3.8,3.7
NEIC XII 28 21 49 27.8–1.4 2.22N–.09 126.8E–.10 39–8 4.3b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 18 31 57.5–1.0 1.55N–.05 126.97E–.05 103 3.1b 25 1-59
IDC XII 28 18 31 43.9–2.3 1.65N 127.33E 0 3.4,3.3b ¶621717408
DJA XII 28 18 31 57.4–.50 2N–3.0 127E–4.0 113–7 3.3,3.3
ISC Event type se.
IDC XII 28 13 05 34.5–2.4 1.72N 126.47E 0 3.3b,3.3
¶621717389
IDC Error ellipse: s-maj=199.0km s-min=28.4km az=66.0.
ISC XII 27 04 54 45.0–1.2 1.03N–.04 126.09E–.03 8–9 4.0b 40 1-69
IDC XII 27 04 54 43.0–.96 0.82N 125.85E 0 3.9,3.8b ¶621717289
DJA XII 27 04 54 46.7–.20 1N–2.0 126E–1.0 10 4.0b,3.8
ISC Event type se.
ISC XII 29 15 30 21.4–1.8 1.9N–.30 126.6E–.80 47 3.8b 7 20-69
IDC XII 29 15 30 14.9–1.5 2.03N 126.64E 0 3.9,3.8b ¶621724227
ISC Event type se.
IDC Error ellipse: s-maj=121.3km s-min=18.3km az=70.0.
IDC XII 30 01 30 17.1–17 0.27N 126.51E 0 3.6b,3.6
¶621725976
IDC Error ellipse: s-maj=267.0km s-min=168.9km az=161.0.
IDC XII 30 08 03 20.6–1.1 0.23N 126.36E 0 3.4b,3.4
¶621725997
IDC Error ellipse: s-maj=87.6km s-min=22.1km az=68.0.

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ISC VII 01 12 59 37.1–.67 1.58N–.05 127.23E–.05 132–6 4.2b 56 0-82
IDC VII 01 12 59 37.3–4.3 1.45N 127.09E 130–45 4.0,3.7b ¶620927671
DJA VII 01 12 59 38.8–.50 2N–3.0 127E–3.0 108–6 3.9,3.9
NEIC VII 01 12 59 38.5–.84 1.51N–.08 127.28E–.08 137–3 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 01 17 08 56.2–.51 2.02N–.05 128.83E–.05 10 4.4b 87 1-99
IDC VII 01 17 08 54.2–.69 2.01N 128.60E 0 3.9b,3.9 ¶620927681

DJA VII 01 17 08 58.3–.30 2N–3.0 129E–2.0 10 5.6b,5.2
NEIC VII 01 17 09 00.6–1.4 1.94N–.05 128.73E–.07 36–7 4.5b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 01 19 12 02.3–1.4 2.76N 129.06E 0 3.4s,3.3b
¶620927689
IDC Error ellipse: s-maj=102.6km s-min=16.4km az=60.0.
ISC VII 02 13 43 12.8–.66 1.84N–.05 127.27E–.05 112 4.2b 36 0-92
IDC VII 02 13 42 59.9–1.6 1.98N 127.45E 0 3.8,3.7b **¶620927753**
NEIC VII 02 13 43 14.1–.69 1.82N–.10 127.48E–.08 119–7 4.3b,3.7b
DJA VII 02 13 43 15.8–.70 2N–3.0 127E–3.0 31–12 3.4,3.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 03 11 26 53.9–1.2 2.48N–.08 128.80E–.08 35 3.6b 15 1-64
IDC VII 03 11 26 48.9–1.1 2.34N 128.34E 0 3.6b,3.6 **¶620927804**
DJA VII 03 11 26 53.0–.80 2N–5.0 129E–6.0 10 3.6,3.6
ISC Event type se.
ISC VII 04 23 52 57.0–.66 2.83N–.06 128.49E–.07 221–6 4.2b 72 1-85
NEIC VII 04 23 52 57.6–1.0 2.8N–.10 128.5E–.20 223–11 4.3b **¶620927915**
DJA VII 04 23 52 58.6–.40 3N–3.0 128E–3.0 210–3 5.4b,4.8
IDC VII 04 23 53 02.9–4.6 2.74N 128.68E 290–52 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=16.1km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=11.0km az=86.0.
IDC VII 05 19 04 59.8–2.5 0.38S 128.60E 0 3.0,2.9b
¶620927981
IDC Error ellipse: s-maj=165.9km s-min=29.7km az=68.0.
ISC VII 09 10 38 09.2–1.0 1.30N–.07 128.08E–.07 118–8 3.1b 15 0-60
IDC VII 09 10 37 56.1–2.2 1.37N 127.75E 0 3.4b,3.4 **¶620928257**
DJA VII 09 10 38 09.7–.60 1N–6.0 128E–5.0 106–7 3.9b,3.5
ISC Event type se.
ISC VII 10 08 11 33.3–.84 2.56N–.07 128.55E–.08 200 3.7b 33 0-64
IDC VII 10 08 11 35.7–2.6 2.52N 128.53E 234–28 3.9,3.3b **¶620928344**
DJA VII 10 08 11 36.4–.60 2N–6.0 128E–3.0 209–6 5.1b,4.5
ISC Event type se.
ISC VII 11 18 02 06.8–.97 1.95N–.05 127.44E–.05 125–8 3.3b 29 0-59
IDC VII 11 18 01 51.7–2.2 2.18N 128.13E 0 3.5,3.4b **¶620928435**
DJA VII 11 18 02 08.1–.50 2N–3.0 127E–3.0 107–6 4.9b,4.2
ISC Event type se.
ISC VII 13 09 02 51.8–.71 1.40N–.05 128.12E–.07 125–6 4.0b 94 1-75
NEIC VII 13 09 02 51.2–1.3 1.6N–.10 128.17E–.08 116–6 4.2b **¶620928528**
DJA VII 13 09 02 53.8–.30 1N–4.0 128E–2.0 94–6 4.7b,4.6b
IDC VII 13 09 02 53.3–2.7 1.38N 128.22E 137–28 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=11.4km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.8km s-min=17.4km az=67.0.
ISC VII 13 16 35 18.2–.74 2.38N–.06 128.58E–.08 232–6 4.0b 77 0-92
IDC VII 13 16 34 53.1–1.5 2.76N 128.89E 0 4.0,3.9b **¶626066592**
NEIC VII 13 16 35 19.2–.51 2.36N–.09 128.6E–.10 234–8 4.1b,3.9b
DJA VII 13 16 35 21.1–.50 2N–4.0 128E–4.0 216–4 5.0b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 14 14 46 21.8–.67 1.56N–.05 127.31E–.05 137–6 4.2b 106 0-83
GFZ VII 14 14 46 22.4–.28 2N–3.0 127E–3.0 137–3 4.5b,4.1 **¶620828951**
NEIC VII 14 14 46 22.4–1.3 1.54N–.08 127.33E–.08 140–6 4.2b,4.1
DJA VII 14 14 46 23.9–.50 2N–3.0 127E–3.0 112–6 4.5b,4.4b
IDC VII 14 14 46 23.4–4.1 1.51N 127.37E 145–43 3.9,3.6b
ISC Event type se.
GFZ Error ellipse: s-maj=7.2km s-min=5.7km az=15.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=11.5km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.8km s-min=13.9km az=76.0.
ISC VII 15 20 37 36.3–.99 2.47N–.06 128.91E–.05 10 4.0b 22 1-70
IDC VII 15 20 37 35.0–.92 2.38N 128.49E 0 3.6b,3.6 **¶620928658**
DJA VII 15 20 37 36.8–.50 2N–5.0 129E–3.0 10 3.6,3.6
ISC Event type se.
ISC VII 16 02 39 52.2–.57 1.90N–.05 127.47E–.06 112 4.1b 74 0-92
NEIC VII 16 02 39 53.6–1.4 1.82N–.10 127.5E–.10 121–9 4.1b **¶620831322**
DJA VII 16 02 39 54.4–.50 2N–4.0 127E–3.0 98–7 5.3,5.0
IDC VII 16 02 39 56.2–5.2 1.76N 127.55E 156–49 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=14.1km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.5km s-min=12.1km az=66.0.
ISC VII 17 12 58 39.4–.35 1.80N–.03 127.24E–.04 100 4.6b 211 0-122
GFZ VII 17 12 58 40.5–.28 2N–2.0 127E–3.0 126–3 4.7,4.6b **¶620833099**
NEIC VII 17 12 58 42.0–.84 1.70N–.08 127.25E–.08 121–6 4.5b,4.6b
IDC VII 17 12 58 41.8–.81 1.71N 127.38E 122–7 4.5,4.0b
DJA VII 17 12 58 42.2–.30 2N–2.0 127E–2.0 85–5 5.1b,4.9b
MAN VII 17 12 58 45.9 2.19N 127.02E 104 5.3b,4.5s
BJI VII 17 12 58 46.2 2.16N 126.53E 118 4.7b,4.7b
ISC Event type se.
GFZ Error ellipse: s-maj=5.8km s-min=4.6km az=80.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.4km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=9.2km az=73.0.
MAN Event type fe.
ISC VII 17 15 09 02.2–.75 2.58N–.07 128.42E–.07 250 3.7b 32 0-92
DJA VII 17 15 09 01.8–.80 3N–5.0 128E–5.0 214–6 4.6b,3.9b **¶620928772**
IDC VII 17 15 09 02.5–2.5 2.50N 128.30E 239–28 3.8,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=12.7km az=71.0.
ISC VII 18 17 49 03.6–1.5 1.04S–.03 127.35E–.03 4–10 3.7b 49 0-66
IDC VII 18 17 49 02.5–.97 1.16S 127.20E 0 3.6b,3.5 **¶620928838**
DJA VII 18 17 49 04.4–.20 1S–1.0 127E–1.0 10 4.0b,3.6
ISC Event type se.
ISC VII 18 21 55 33.1–.59 2.00N–.07 128.34E–.06 50 4.2b 27 2-85
IDC VII 18 21 55 26.7–.91 1.92N 128.04E 0 3.9b,3.9 **¶620928847**
NEIC VII 18 21 55 33.7–1.1 2.00N–.08 128.34E–.05 52–10 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 05 06 15.9–.69 1.65N–.04 127.19E–.04 123–6 4.3b 88 0-74
IDC VII 19 05 06 00.3–1.3 1.94N 127.87E 0 4.6L,4.2 **¶620928857**
DJA VII 19 05 06 16.7–.30 2N–2.0 127E–2.0 105–3 4.9b,4.5b
NEIC VII 19 05 06 17.0–.69 1.5N–.10 127.2E–.10 130–7 4.5b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 22 05 09.9–.88 1.22N–.06 127.16E–.06 146–7 3.9b 44 0-60
IDC VII 19 22 05 09.5–12 1.21N 127.40E 141–120 4.1L,4.0 **¶620928902**
DJA VII 19 22 05 10.6–.40 1N–3.0 127E–3.0 135–5 4.8b,4.2b
ISC Event type se.
IDC VII 20 06 33 22.5–3.2 0.78N 127.08E 0 3.5s,3.3b
¶620961576
IDC Error ellipse: s-maj=315.7km s-min=28.9km az=66.0.
ISC VII 21 02 18 06.0–.67 1.78N–.03 127.37E–.04 114–6 4.5b 79 0-81
NEIC VII 21 02 18 07.1–1.2 1.71N–.10 127.40E–.10 118–8 4.6b **¶620961621**
DJA VII 21 02 18 07.3–.30 2N–2.0 127E–2.0 90–4 4.6b,4.4b
MAN VII 21 02 18 08.7 2.02N 126.94E 18 5.3b,4.4s
IDC VII 21 02 18 11.7–4.3 1.52N 127.15E 170–43 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=13.3km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=31.3km s-min=14.0km az=56.0.
ISC VII 21 03 50 40.9–.69 2.70N–.08 128.5E–.10 35 4.3b 27 2-64
IDC VII 21 03 50 36.1–1.5 2.69N 128.51E 0 3.9,3.8b **¶620961625**
NEIC VII 21 03 50 42.6–1.5 2.67N–.09 128.4E–.10 47–10 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 21 16 12 29.5–2.4 2.87N 128.76E 0 3.3b,3.3
¶620961671
IDC Error ellipse: s-maj=146.4km s-min=27.8km az=68.0.
IDC VII 22 13 16 17.4–2.0 0.88N 127.15E 0 3.3b,3.3
¶620967830
IDC Error ellipse: s-maj=193.4km s-min=23.7km az=67.0.
ISC VII 22 02 04 33.0–.68 1.42N–.08 128.37E–.06 35 4.0b 27 1-70
IDC VII 22 02 04 28.3–.89 1.47N 128.23E 0 3.8b,3.8 **¶620967802**
NEIC VII 22 02 04 33.7–1.0 1.41N–.10 128.33E–.04 35–2 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VII 28 21 10 42.7–.30 3N–3.0 128E–2.0 10 4.3b,4.2
¶626067157
DJA VII 29 12 22 29.5–1.2 1S–2.0 129E–2.0 22–11 4.0b,3.8
¶626067214
ISC VII 31 03 37 08.9–.71 2.57N–.05 128.19E–.05 163–6 3.9b 82 0-92
IDC VII 31 03 37 04.1–6.2 2.61N 128.37E 116–58 3.8,3.5b **¶620986104**
DJA VII 31 03 37 10.1–.30 3N–2.0 128E–2.0 148–3 5.0b,4.3
NEIC VII 31 03 37 11.4–.86 2.41N–.07 128.0E–.20 181–6 4.0b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 12 03 38.0–.65 1.80N–.06 128.75E–.04 40 4.1b,3.7s 43 1-93
IDC VII 30 12 03 33.8–1.0 1.76N 128.72E 0 3.8s,3.7b **¶620986065**
DJA VII 30 12 03 37.6–.50 2N–5.0 129E–3.0 44–19 3.8b,3.7
NEIC VII 30 12 03 40.1–1.0 1.6N–.10 128.71E–.04 68–10 4.3b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 01 07 04 29.8–1.7 2.8N–.20 129.0E–.60 44 3.9b 6 21-64
IDC VIII 01 07 04 24.0–1.5 2.81N 128.84E 0 3.9b,3.9 **¶620986180**
ISC Event type se.
IDC Error ellipse: s-maj=99.2km s-min=17.5km az=70.0.
ISC VIII 01 09 54 21.1–.77 0.99S–.04 127.50E–.07 31 4.0b 23 0-89
IDC VIII 01 09 54 16.7–1.1 0.85S 127.53E 0 4.0,3.9L **¶620986198**
DJA VIII 01 09 54 19.8–.30 1S–2.0 127E–4.0 10 3.6,3.6
ISC Event type se.
ISC VIII 01 17 53 49.2–.73 1.92N–.05 128.27E–.05 100 3.8b 30 0-70
DJA VIII 01 17 53 49.9–.50 2N–3.0 128E–4.0 104–5 3.3,3.3 **¶620986233**
IDC VIII 01 17 53 51.0–3.6 1.95N 128.45E 124–37 3.9,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=14.7km az=74.0.
ISC VIII 01 05 24 50.6–.66 1.00S–.06 127.30E–.08 50 4.0b 29 0-66
IDC VIII 01 05 24 45.0–1.7 0.96S 127.32E 0 3.9,3.8b **¶620986172**
NEIC VIII 01 05 24 46.3–.36 0.98S–.06 127.40E–.05 10–1 4.3b,3.8b
DJA VIII 01 05 24 54.2–.40 1S–3.0 128E–6.0 45–11 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 18 21 13.5–.46 0.23S–.05 129.61E–.06 35 4.5b,3.4s 105 2-127
DJA VIII 02 18 21 10.9–.20 0S–3.0 130E–2.0 10 4.8b,4.5 **¶620993256**
NEIC VIII 02 18 21 13.9–1.9 0.24S–.06 129.64E–.07 39–5 4.6b,4.5
IDC VIII 02 18 21 15.5–1.9 0.21S 129.82E 57–18 4.5L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.9km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.6km s-min=10.1km az=71.0.
ISC VIII 07 11 37 59.1–.56 2.21N–.09 128.8E–.10 250 4.0b 46 2-92
IDC VIII 07 11 37 59.9–1.7 2.20N 128.75E 260–18 4.0,3.4b **¶621000720**
NEIC VIII 07 11 38 00.5–1.2 2.2N–.10 128.7E–.10 258–8 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 15 04 24.7–.26 1.79N–.03 127.42E–.03 127–2 5.2b 1011 0-159
BJI VIII 02 15 04 18.9 1.35N 127.78E 124 5.3b,5.2b **¶620929568**
IDC VIII 02 15 04 24.8–.87 1.78N 127.33E 128–7 5.1,4.6b
NEIC VIII 02 15 04 24.7–1.9 1.84N–.05 127.38E–.06 122–2 5.1,5.1b
GFZ VIII 02 15 04 25.9–.31 2N–2.0 127E–3.0 132–3 5.5b,5.2
DJA VIII 02 15 04 25.0–.10 2N–1.0 127E–1.0 122–1 5.8b,5.7
GFZ VIII 02 15 04 26.0 1.80N 127.45E 126 5.0W,5.7
GCMT VIII 02 15 04 26.7–.20 1.82N–.01 127.35E–.01 136–1 5.2W,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.00 $M_{\theta\theta}$1.55 $M_{\phi\phi}$-1.54 $M_{r\theta}$-2.36 $M_{\theta\phi}$-0.45 $M_{\phi r}$-2.80 NP1: ϕ_s317.74528°,δ22.79320°,λ3.34357°. NP2:ϕ_s224.66229°,δ88.70531°,λ112.75836°. Principal axes: T 3.6587,Plg41.9025°,Azm156.2252°; N 0.6084,Plg22.7522°,Azm44.1192° ; P -4.2672,Plg39.4876°,Azm293.9033° $M_0$3.99782×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108021504A. Moment Tensor Solution. s87,c115; s123,c208;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.29±.17 $M_{\theta\theta}$3.81±.17; $M_{\phi\phi}$-3.52±.19; $M_{r\theta}$-3.41±.12; $M_{\theta\phi}$-1.10±.17; $M_{\phi r}$-5.68±.14; Best double couple: NP1: ϕ_s314.00000°,δ29.00000°,λ0.00000°. NP2:ϕ_s223.00000°,δ90.00000°,λ119.00000°. Principal axes: T 6.2800,Plg38.0000°,Azm159.0000°; N 2.2480,Plg29.0000°,Azm43.0000° ; P -8.5260,Plg38.0000°,Azm288.0000° $M_0$7.40300×10^{16}
ISC VIII 08 17 34 28.8–1.0 1.95N–.06 128.20E–.07 100 3.6b 18 0-64
IDC VIII 08 17 34 17.9–1.5 1.54N 126.79E 0 3.4b,3.4 **¶621002137**
DJA VIII 08 17 34 29.4–.80 2N–5.0 128E–5.0 112–10 3.0,3.0
ISC Event type se.
IDC VIII 08 22 17 35.8–2.2 2.94N 128.37E 0 3.4b,3.4
¶621002149
IDC Error ellipse: s-maj=175.7km s-min=23.9km az=68.0.
ISC VIII 12 21 13 51.2–.34 1.37N–.05 128.20E–.06 69 5.1b 118 6-131
IDC VIII 12 21 13 42.5–.96 1.51N 127.98E 0 4.0b,4.0 **¶621009537**
NEIC VIII 12 21 13 54.6–1.4 1.28N–.08 128.19E–.08 96–6 5.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 08 13 35 55.7–.33 1.70N–.03 127.30E–.04 128 4.5b 287 0-97
GFZ VIII 08 13 35 54.9–.19 2N–2.0 127E–3.0 116 4.5b,4.5 **¶620976428**
NEIC VIII 08 13 35 55.8–1.3 1.60N–.06 127.27E–.06 120–6 4.6b,4.5
DJA VIII 08 13 35 55.2–.20 2N–2.0 127E–2.0 94–5 5.0b,4.9b
IDC VIII 08 13 35 55.7–1.2 1.67N 127.37E 128–12 4.4,3.9b
MAN VIII 08 13 35 57.5 2.12N 127.27E 117 5.4b,4.7s
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.1km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=8.0km az=68.0.

MAN Event type fe.
ISC VIII 11 11 59 15.7–1.0 1.61N–.05 127.17E–.04 103 3.5b 24 0-60
IDC VIII 11 11 59 02.0–2.2 1.64N 127.20E 0 3.4b,3.4 ¶621009337
DJA VIII 11 11 59 17.8–.60 2N–4.0 127E–3.0 83–12 3.0,3.0
ISC Event type se.
ISC VIII 21 15 37 21.2–.31 1.24N–.03 127.14E–.04 39–3 4.8b,3.6s 356 0-124
IDC VIII 21 15 37 15.4–.43 1.11N 126.96E 0 4.6L,4.5 ¶620999308
BJI VIII 21 15 37 18.4 0.50N 126.85E 64 4.7b,4.4b
DJA VIII 21 15 37 19.1–.10 1N–2.0 127E–1.0 10 5.2b,5.2b
GFZ VIII 21 15 37 20.6–.14 1N–2.0 127E–2.0 39 5.0b,4.7
NEIC VIII 21 15 37 21.6–1.7 1.19N–.07 127.15E–.09 44–7 4.8b,4.7
GCMT VIII 21 15 37 22.8–.30 1.32N–.02 127.10E–.02 24–2 4.8W,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108211537A. Moment Tensor Solution. s7,c7; s82,c114; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.48±.16 $M_{\theta\theta}$1.41±.10; $M_{\phi\phi}$-0.92±.10; $M_{r\theta}$-0.42±.12; $M_{\theta\phi}$-1.12±.08; $M_{\phi r}$-0.15±.14; Best double couple: NP1:ϕ_s336.00000°,δ72.00000°,λ-7.00000°. NP2:ϕ_b68.00000°,δ84.00000°,λ-162.00000°. Principal axes: T 1.9080,Plg8.0000°,Azm201.0000°; N -0.4360,Plg71.0000°,Azm87.0000°; P -1.4710,Plg17.0000°,Azm294.0000° $M_0$1.68900×10^{16}
IDC VIII 20 06 49 12.2–2.2 1.48N 127.30E 0 3.5b,3.5
¶621041243
IDC Error ellipse: s-maj=123.2km s-min=27.1km az=69.0.
ISC VIII 14 20 11 03.2–.75 2.59N–.06 128.33E–.07 200 3.9b 45 0-83
IDC VIII 14 20 11 04.2–3.2 2.39N 128.03E 207–36 3.8,3.3b ¶621013551
NEIC VIII 14 20 11 05.0–.56 2.5N–.10 128.2E–.10 218–10 4.0b,3.3b
DJA VIII 14 20 11 05.0–.60 3N–5.0 128E–5.0 198–5 3.3,3.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VIII 16 17 18 23.3–.40 1N–3.0 127E–3.0 11–4 5.0b,4.3b
¶626188656
ISC VIII 12 15 15 42.8–.92 1.25S–.04 128.68E–.06 35 3.7b 26 1-67
IDC VIII 12 15 15 38.5–1.2 1.47S 128.68E 0 3.9L,3.8 ¶621009421
DJA VIII 12 15 15 41.3–.20 1S–3.0 129E–4.0 10 3.9,3.9
ISC Event type se.
ISC VIII 19 14 07 52.5–.83 1.54N–.04 128.41E–.05 10 3.8b 27 1-64
IDC VIII 19 14 07 47.8–1.0 1.58N 128.06E 0 3.8,3.7b ¶621039198
DJA VIII 19 14 07 54.1–.40 2N–2.0 128E–3.0 17–5 4.8b,4.2
ISC Event type se.
ISC VIII 22 18 05 42.9–1.1 1.55N–.05 127.07E–.05 103 3.2b 29 0-60
IDC VIII 22 18 05 42.6–5.4 1.61N 127.21E 147–61 3.4,3.2s ¶621043110
DJA VIII 22 18 05 43.1–.40 2N–3.0 127E–3.0 114–5 4.0b,3.5
ISC Event type se.
ISC VIII 21 13 09 42.0–1.1 0.76S–.03 128.14E–.04 31–10 3.8b 86 0-66
IDC VIII 21 13 09 37.6–1.1 0.81S 128.02E 0 3.9L,3.8 ¶621042997
DJA VIII 21 13 09 40.9–.10 1S–1.0 128E–1.0 10 4.7b,4.5b
ISC Event type se.
ISC VIII 25 03 32 38.0–.73 1.82N–.04 127.26E–.05 106–7 4.4b 55 0-92
IDC VIII 25 03 32 25.4–1.2 1.87N 127.37E 0 4.3b,4.3 ¶621058897
NEIC VIII 25 03 32 39.5–.95 1.71N–.07 127.17E–.09 113–6 4.5b,4.3
DJA VIII 25 03 32 39.2–.50 2N–2.0 127E–4.0 80–8 3.7,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 24 16 26 43.9–1.3 2.4N–.20 128.7E–.30 250 3.4b 7 4-64
IDC VIII 24 16 26 43.4–2.8 2.40N 128.60E 242–31 3.5,3.0b ¶621049340
ISC Event type se.
IDC Error ellipse: s-maj=64.8km s-min=17.2km az=73.0.
ISC VIII 24 11 19 45.5–1.1 2.61N–.06 128.74E–.04 46–10 4.0b 73 1-92
DJA VIII 24 11 19 44.7–.50 3N–2.0 129E–2.0 20–3 4.9b,4.3b ¶621049319
IDC VIII 24 11 19 45.9–2.4 2.62N 128.94E 51–22 4.0L,3.9
NEIC VIII 24 11 19 46.5–.92 2.66N–.07 128.80E–.10 54–9 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 18 34 03.6–.00 0.62S–.04 127.37E–.05 100 25 1-61
IDC VIII 26 18 33 50.3–1.4 0.75S 126.61E 0 3.5b,3.5 ¶621059014
DJA VIII 26 18 34 04.4–.40 1S–3.0 127E–4.0 106–5 3.7,3.7
ISC Event type se.
ISC VIII 29 14 44 45.0–.99 2.32N–.07 128.50E–.07 250 3.6b 30 0-36
DJA VIII 29 14 44 45.5–.60 2N–4.0 129E–4.0 220–4 4.7b,3.9b ¶621073182
IDC VIII 29 14 44 46.6–6.4 2.05N 128.27E 237–35 3.7,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=73.5km s-min=47.3km az=137.0.
ISC VIII 29 15 05 22.1–.69 1.41N–.04 127.36E–.04 132–6 4.0b 91 0-84
IDC VIII 29 15 05 18.9–4.7 1.44N 127.58E 108–47 3.9,3.5b ¶621073183
NEIC VIII 29 15 05 22.2–1.4 1.44N–.06 127.39E–.10 127–5 4.2b,3.5b
DJA VIII 29 15 05 22.2–.30 1N–2.0 127E–2.0 122–3 4.8b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 02 38 18.4–.91 1.7N–.10 127.4E–.20 150 4.0b 19 1-92
IDC IX 02 02 38 02.1–1.8 1.92N 127.39E 0 3.8b,3.8 ¶621080654
NEIC IX 02 02 38 17.3–.92 1.9N–.10 127.5E–.20 135–8 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 03 28 25.4–.66 1.11N–.09 128.15E–.06 23 4.0b 25 1-65
IDC IX 01 03 28 22.3–.97 1.16N 128.11E 0 3.8L,3.7b ¶621080593
NEIC IX 01 03 28 24.1–.95 1.12N–.09 128.13E–.04 10–1 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 03 01 55 46.9–.82 1.83N–.08 127.4E–.10 112 4.3b 28 1-81
IDC IX 03 01 55 46.8–11 1.84N 127.60E 115–102 4.3,4.2L ¶621081542
NEIC IX 03 01 55 46.7–.95 1.91N–.10 127.5E–.20 114–8 4.0b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 07 06 26 06.9–1.8 1.47N 127.15E 0 3.7b,3.7
¶621094304
IDC Error ellipse: s-maj=203.8km s-min=19.6km az=66.0.
IDC IX 02 21 52 29.5–1.9 1.76N 127.37E 0 3.8b,3.7
¶621080705
IDC Error ellipse: s-maj=107.4km s-min=25.0km az=68.0.
IDC IX 06 19 31 05.1–2.2 1.03N 127.90E 0 3.5s,3.4b
¶621094279
IDC Error ellipse: s-maj=193.4km s-min=23.7km az=68.0.
IDC IX 10 16 24 22.4–1.7 2.00N 127.10E 0 3.6,3.5b
¶621108530
IDC Error ellipse: s-maj=117.9km s-min=24.0km az=69.0.
IDC IX 09 22 38 08.2–1.6 0.57N 127.16E 0 4.3L,4.1
¶621105914
IDC Error ellipse: s-maj=37.2km s-min=24.6km az=68.0.
ISC IX 16 04 25 44.2–.82 1.43N–.05 128.01E–.05 145–6 3.8b 37 0-64
IDC IX 16 04 25 30.3–1.1 0.99N 126.83E 0 3.8L,3.8 ¶621112868
NEIC IX 16 04 25 36.3–.63 1.1N–.10 126.8E–.10 35–2 4.2b,3.8
DJA IX 16 04 25 45.0–.60 1N–3.0 128E–3.0 131–4 3.5,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 07 39 37.8–.79 2.97N–.08 128.2E–.10 50 4.0b 20 2-93
IDC IX 11 07 39 32.5–1.7 2.82N 127.89E 0 4.0L,3.8 ¶621108569
NEIC IX 11 07 39 38.4–1.3 2.99N–.08 128.21E–.09 52–11 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 11 08 38 18.5–1.6 1.65S 127.89E 0 3.8L,3.7
¶621108573
IDC Error ellipse: s-maj=26.6km s-min=19.4km az=142.0.
DJA IX 16 04 47 53.3–.40 3N–3.0 128E–3.0 147–4 4.5b,4.0b
¶626358527
ISC IX 13 08 36 41.2–.87 0.67S–.03 127.48E–.04 14–5 4.7b,3.4s 245 1-136
IDC IX 13 08 36 39.1–.48 0.64S 127.42E 0 4.3b,4.3 ¶621071754
NEIC IX 13 08 36 40.7–.93 0.65S–.04 127.49E–.06 10–1 4.6b,4.3
GFZ IX 13 08 36 41.4–.17 1S–2.0 128E–2.0 10 6.5,6.4
DJA IX 13 08 36 41.8–.20 1S–2.0 127E–2.0 10 5.0b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 14 20 32 03.1–.82 1.11N–.04 128.14E–.05 10–5 4.3b 77 0-89
IDC IX 14 20 32 01.7–.82 1.15N 128.08E 0 3.8b,3.8 ¶621110847
NEIC IX 14 20 32 03.2–1.6 1.11N–.09 128.11E–.05 10–1 4.6b,3.8
DJA IX 14 20 32 04.1–.20 1N–2.0 128E–2.0 10 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 14 21 03 35.3–1.1 1.17N–.05 128.12E–.05 6–7 4.1b 68 0-89
IDC IX 14 21 03 34.7–.81 1.17N 128.10E 0 3.8b,3.8 ¶621110849
NEIC IX 14 21 03 36.1–1.3 1.15N–.05 128.09E–.04 10–1 4.6b,3.8
DJA IX 14 21 03 36.9–.20 1N–2.0 128E–2.0 10 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA IX 15 08 37 04.3–.20 2S–1.0 129E–1.0 10 4.8b,4.7b
¶626358459
ISC IX 15 08 56 28.8–1.1 1.17N–.04 128.15E–.05 7–7 3.8b 39 0-60
IDC IX 15 08 56 27.9–.98 1.30N 128.33E 0 3.8b,3.8 ¶621111978
DJA IX 15 08 56 29.5–.20 1N–2.0 128E–2.0 10 4.4b,4.0b
ISC Event type se.
DJA IX 15 09 15 38.9–.20 1S–1.0 128E–2.0 10 3.8b,3.6
¶626358458
ISC IX 17 08 44 22.1–.67 1.96N–.05 127.59E–.07 150 4.1b 43 0-85
IDC IX 17 08 44 05.9–1.1 2.25N 128.29E 0 4.4L,4.1 ¶621112946
NEIC IX 17 08 44 05.6–1.2 2.52N–.03 128.6E–.10 10–1 4.2b,4.1
DJA IX 17 08 44 22.5–.90 2N–4.0 128E–7.0 144–11 4.3b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 18 03 51 17.3–2.1 0.60S 127.78E 0 3.3b,3.3
¶621113544
IDC Error ellipse: s-maj=183.9km s-min=25.1km az=67.0.
IDC IX 17 13 07 37.3–2.3 2.96N 128.41E 0 3.5,3.4b
¶621112963
IDC Error ellipse: s-maj=121.5km s-min=27.0km az=71.0.
ISC IX 18 19 42 35.4–1.3 1.16N–.03 128.11E–.04 5–9 3.7b 28 0-65
IDC IX 18 19 42 34.5–1.1 1.17N 128.11E 0 3.6b,3.6 ¶621113587
DJA IX 18 19 42 35.9–.30 1N–2.0 128E–2.0 10 3.6,3.6
ISC Event type se.
IDC IX 20 02 01 40.5–2.1 1.90N 127.38E 0 3.7b,3.7
¶621115974
IDC Error ellipse: s-maj=154.0km s-min=26.4km az=67.0.
ISC IX 19 13 15 57.4–1.2 2.33N–.10 129.05E–.07 35 3.6b,3.1s 26 1-64
IDC IX 19 13 15 52.8–1.2 2.31N 128.91E 0 3.5,3.4b ¶621113624
DJA IX 19 13 15 56.2–.40 2N–5.0 129E–3.0 10 3.9b,3.9
ISC Event type se.
ISC IX 26 21 00 26.4–1.1 1.05N–.04 127.88E–.03 8–9 3.7b 23 0-90
DJA IX 26 21 00 25.4–.30 1N–3.0 128E–2.0 10–2 3.7,3.7 ¶621131535
IDC IX 26 21 00 26.3–1.2 1.13N 127.98E 0 3.6b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=16.8km az=45.0.
ISC IX 29 19 05 12.6–2.1 1.96N–.05 128.98E–.05 27–15 4.2b 76 1-93
IDC IX 29 19 05 09.2–.69 1.98N 128.83E 0 3.9b,3.9 ¶621146391
DJA IX 29 19 05 11.8–.40 2N–3.0 129E–2.0 10 4.3b,4.2
NEIC IX 29 19 05 14.4–1.1 1.92N–.07 128.96E–.07 35–2 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 22 35 19.2–.77 1.93N–.05 128.26E–.06 119–6 4.1b 52 0-94
NEIC IX 27 22 35 19.2–1.4 2.0N–.10 128.28E–.10 111–11 4.3b ¶621140747
DJA IX 27 22 35 19.9–.40 2N–3.0 128E–3.0 105–4 3.7b,3.6
IDC IX 27 22 35 20.8–4.0 2.11N 128.68E 138–44 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=11.7km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=104.2km s-min=16.3km az=69.0.
ISC X 02 23 22 18.0–.34 2.59N–.04 129.11E–.06 10 4.7b,4.4s 215 2-100
BJI X 02 23 22 12.1 2.10N 129.46E 10 4.8b,4.6s ¶621117061
IDC X 02 23 22 16.4–.46 2.62N 129.14E 0 4.4b,4.4
GFZ X 02 23 22 17.9–.21 3N–2.0 129E–3.0 10 5.7b,5.2
NEIC X 02 23 22 18.6–1.1 2.55N–.07 129.04E–.07 10–1 4.7b,5.2
DJA X 02 23 22 20.2–.40 3N–5.0 129E–3.0 10 5.2b,4.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 29 22 32 29.2–.64 2.71N–.06 128.57E–.09 200 3.9b 36 2-92
NEIC IX 29 22 32 32.1–1.5 2.6N–.10 128.5E–.10 229–10 4.1b ¶621146405
MAN IX 29 22 32 34.6 2.81N 128.32E 164 5.2b,4.3s
IDC IX 29 22 32 38.8–6.3 2.63N 128.70E 315–70 4.0,3.3b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=15.1km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=38.9km s-min=17.3km az=65.0.
ISC X 04 18 36 46.2–.71 1.87N–.05 128.27E–.08 100 4.5b 54 1-93
IDC X 04 18 36 24.1–7.1 0.61N 128.78E 0 4.6b,4.5 ¶621203133
NEIC X 04 18 36 46.3–1.3 1.9N–.10 128.2E–.10 98–11 4.3b,4.5
DJA X 04 18 36 48.0–.40 2N–4.0 128E–4.0 107–5 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 23 40 21.7–.51 2.55N–.04 128.18E–.06 182–4 4.4b 174 0-125
NEIC X 06 23 40 22.0–1.5 2.58N–.08 128.23E–.09 180–7 4.4b ¶621126650
IDC X 06 23 40 22.7–.60 2.55N 128.34E 192–5 4.5,4.0b
DJA X 06 23 40 22.8–.40 3N–4.0 128E–2.0 149–5 5.2b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 05 05 44 21.6–.31 2.93N–.04 128.06E–.05 100 4.5b 274 1-139
IDC X 05 05 44 22.3–.57 2.98N 128.17E 103–5 4.4,3.9b ¶621120437
DJA X 05 05 44 22.7–.30 3N–2.0 128E–2.0 106–2 5.9,5.9
NEIC X 05 05 44 23.4–.98 2.88N–.05 128.08E–.10 119–7 4.4b,5.9
GFZ X 05 05 44 23.5–.21 3N–2.0 128E–2.0 117 5.1b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 08 12 44 38.3–.45 2.00N–.04 128.55E–.04 50 4.3b 98 0-94
GFZ X 08 12 44 39.7–.43 2N–4.0 129E–4.0 76–6 4.5b,4.3b ¶621140955

NEIC X 08 12 44 39.4–.94 1.99N–.06 128.47E–.10 61–9 4.2b,4.3b
IDC X 08 12 44 40.3–4.7 2.09N 128.81E 64–49 4.0L,4.0
DJA X 08 12 44 40.6–.30 2N–2.0 128E–2.0 38–4 4.6b,4.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 07 05 37 21.1–1.0 1.74N–.06 127.48E–.07 150 4.1b 22 0-36
IDC X 07 05 36 50.0–9.2 3.35N 126.99E 0 4.0,3.9b **¶621217191**
DJA X 07 05 37 19.9–.80 2N–4.0 128E–7.0 155–7 4.4b,4.2b
ISC Event type se.
ISC X 07 11 03 24.5–.56 2.63N–.04 128.35E–.07 150 3.9b 86 1-83
NEIC X 07 11 03 25.1–.83 2.6N–.10 128.30E–.05 151–9 4.3b **¶621217211**
IDC X 07 11 03 26.5–2.6 2.60N 128.55E 172–29 4.0,3.5b
MAN X 07 11 03 26.5 2.79N 128.24E 227 5.1b,4.2s
DJA X 07 11 03 27.5–.40 3N–4.0 128E–3.0 124–7 4.6b,4.4b
ISC Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC X 07 23 43 18.7–1.7 2.8N–.20 129.2E–.40 35 4.1b 11 14-64
IDC X 07 23 43 13.1–1.4 2.94N 129.34E 0 4.0b,4.0 **¶621217250**
ISC Event type se.
IDC Error ellipse: s-maj=74.4km s-min=16.4km az=68.0.
IDC X 09 09 02 36.3–2.3 0.71N 127.14E 0 3.4,3.3b
¶621235318
IDC Error ellipse: s-maj=171.2km s-min=28.5km az=66.0.
ISC X 18 00 35 53.0–.62 1.34N–.04 128.07E–.05 119–5 4.4b 81 0-88
IDC X 18 00 35 52.1–4.6 1.25N 127.87E 103–50 4.0,3.7b **¶626704001**
NEIC X 18 00 35 54.7–1.2 1.28N–.10 127.95E–.06 128–6 4.5b,3.7b
DJA X 18 00 35 55.8–.40 1N–3.0 128E–4.0 80–5 6.1b,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 17 05 49 01.9–.70 2.42N–.06 128.53E–.07 229–6 4.3b 84 0-92
NEIC X 17 05 49 02.9–1.1 2.36N–.08 128.5E–.10 234–8 4.3b **¶621204811**
IDC X 17 05 49 03.3–1.9 2.41N 128.64E 243–19 4.3,3.7b
DJA X 17 05 49 03.5–.50 2N–4.0 128E–4.0 221–4 4.8b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 10 18 51 11.8–9.4 1.80S 129.37E 0 3.4b,3.3
¶621235400
IDC Error ellipse: s-maj=141.5km s-min=122.4km az=120.0.
ISC X 12 11 17 39.3–1.0 0.28N–.06 129.26E–.05 10 22 1-34
IDC X 12 11 17 38.1–7.1 0.21N 129.18E 0 3.7,3.6b **¶621236945**
DJA X 12 11 17 39.4–.30 0N–3.0 129E–3.0 10 3.5,3.5
ISC Event type se.
ISC X 18 16 29 20.2–1.0 1.13N–.03 128.12E–.04 11–6 4.2b,2.9s 98 0-91
IDC X 18 16 29 18.2–.56 1.14N 128.07E 0 4.0L,4.0b **¶621244036**
NEIC X 18 16 29 20.7–1.3 1.09N–.07 128.10E–.03 10–1 4.5b,4.0b
DJA X 18 16 29 21.2–.20 1N–1.0 128E–2.0 10 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 18 07 03 48.9–.58 2.79N–.03 128.06E–.05 150–5 4.6b 344 1-159
BJI X 18 07 03 44.2 2.18N 128.36E 164 5.1b,4.9b **¶621206673**
IDC X 18 07 03 48.4–1.1 2.78N 128.10E 147–9 4.7,4.3b
NEIC X 18 07 03 49.1–1.1 2.80N–.05 128.10E–.07 150–4 4.6b,4.3b
DJA X 18 07 03 50.9–.60 3N–5.0 128E–4.0 142–7 5.1b,4.9b
GFZ X 18 07 03 52.0–.47 3N–4.0 128E–4.0 170–5 5.1b,4.7b
MAN X 18 07 03 52.4 2.92N 127.72E 172 5.3b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=15.4km s-min=6.4km az=71.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.4km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MAN Event type fe.
ISC X 26 09 46 06.9–.42 1.45N–.03 127.09E–.04 130–3 5.0b 686 0-165
BJI X 26 09 46 04.2 1.39N 127.39E 132 5.0b,4.8b **¶621239847**
GFZ X 26 09 46 07.0–.25 1N–2.0 127E–3.0 126–2 5.4b,5.2L
DJA X 26 09 46 06.4–.10 2N–2.0 127E–1.0 120–1 5.7b,5.4b
NEIC X 26 09 46 07.1–.92 1.44N–.02 127.05E–.06 127–5 5.0b,4.8
IDC X 26 09 46 07.0–.86 1.39N 127.12E 132–7 4.8,4.4b
ISC Event type se.
GFZ Error ellipse: s-maj=6.2km s-min=3.8km az=52.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.6km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.2km s-min=5.7km az=76.0.
IDC X 25 02 27 10.9–2.2 1.14S 128.46E 0 3.9L,3.8
¶621366416
IDC Error ellipse: s-maj=106.8km s-min=27.0km az=71.0.
ISC X 25 03 00 10.2–.98 1.86N–.05 127.30E–.05 114–9 3.8b 20 0-36
IDC X 25 02 59 52.8–8.6 2.51N 127.67E 0 3.9b,3.9 **¶621366419**
DJA X 25 03 00 12.1–.50 2N–3.0 127E–3.0 86–7 3.4,3.4
ISC Event type se.
IDC X 18 11 10 58.0–2.3 1.07N 127.67E 0 3.5,3.4b
¶621244028
IDC Error ellipse: s-maj=183.9km s-min=25.2km az=67.0.
ISC X 19 21 23 13.7–.80 1.80N–.04 127.25E–.04 122–7 3.7b 45 0-87
IDC X 19 21 23 13.9–3.0 1.74N 127.41E 123–29 3.9,3.5b **¶621244100**
DJA X 19 21 23 15.3–.40 2N–2.0 127E–2.0 99–5 4.7b,4.7b
ISC Event type se.
ISC X 29 02 15 10.8–.80 2.36N–.06 128.27E–.07 153–6 4.0b 51 0-92
NEIC X 29 02 15 11.5–1.6 2.3N–.10 128.22E–.07 153–9 4.1b **¶621391415**
IDC X 29 02 15 11.8–2.5 2.15N 128.00E 155–24 4.0,3.6b
DJA X 29 02 15 11.4–.50 2N–4.0 128E–4.0 143–4 4.0b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 27 21 47 26.9–.97 0.03N–.05 128.99E–.05 35 30 1-62
IDC X 27 21 47 21.6–1.5 0.03N 128.95E 0 3.5,3.4b **¶621385475**
DJA X 27 21 47 24.0–.90 0N–3.0 129E–3.0 10–8 3.9b,3.6
ISC Event type se.
IDC X 31 23 55 50.2–2.1 1.40N 127.64E 0 3.5b,3.5
¶621395278
IDC Error ellipse: s-maj=162.0km s-min=25.9km az=67.0.
ISC X 30 09 11 59.5–.69 0.59N–.05 127.24E–.06 113–6 4.1b 42 0-81
IDC X 30 09 11 57.8–6.0 0.66N 127.56E 95–64 4.1L,4.1 **¶621395163**
DJA X 30 09 12 01.3–.50 1N–3.0 127E–3.0 90–6 3.5,3.5
NEIC X 30 09 12 02.4–1.8 0.55N–.08 127.3E–.10 139–7 4.0b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 01 13 30 37.2–.32 2.75N–.04 128.57E–.05 223 4.5b 221 1-93
GFZ XI 01 13 30 37.2–.28 3N–2.0 129E–3.0 224–3 5.2b,4.7 **¶621246739**
NEIC XI 01 13 30 37.9–1.1 2.76N–.07 128.61E–.08 223–1 4.5b,4.7
IDC XI 01 13 30 37.5–1.0 2.74N 128.64E 228–10 4.4,3.9b
DJA XI 01 13 30 39.3–.50 3N–5.0 128E–3.0 207–4 4.8b,4.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 10 24 44.0–.93 1.85S–.03 128.45E–.04 58–12 3.8b 63 1-67
DJA XI 14 10 24 43.0–.70 2S–1.0 128E–1.0 22–7 4.9b,4.4b **¶621468666**
IDC XI 14 10 24 46.8–2.0 1.98S 128.69E 86–21 3.8,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=15.4km az=83.0.
ISC XI 02 10 20 34.3–.61 2.54N–.04 128.45E–.05 230–5 4.3b 211 0-92
GFZ XI 02 10 20 33.9–.47 3N–4.0 129E–5.0 231–3 5.2b,4.9 **¶621252716**
NEIC XI 02 10 20 34.8–.84 2.52N–.07 128.50E–.09 234–7 4.3b,4.9
IDC XI 02 10 20 34.1–1.5 2.51N 128.60E 232–15 4.3,3.8b
DJA XI 02 10 20 35.5–.30 3N–3.0 128E–2.0 209–2 4.6b,4.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 07 16 48 07.7–1.3 0.93S–.02 127.14E–.04 8–10 3.6b 52 1-66
IDC XI 07 16 48 05.0–1.9 0.63S 127.67E 0 3.2,3.1b **¶621416044**
DJA XI 07 16 48 11.8–.50 1S–1.0 127E–1.0 17–4 4.9b,4.1
ISC Event type se.
ISC XI 13 00 01 03.8–.75 1.85N–.05 127.15E–.05 100 4.0b 53 1-86
IDC XI 13 00 00 51.7–1.6 1.75N 127.06E 0 4.0L,3.9b **¶621468568**
NEIC XI 13 00 01 04.8–2.7 1.8N–.10 127.13E–.08 110–10 4.1b,3.9b
DJA XI 13 00 01 04.8–.50 2N–3.0 127E–3.0 101–8 4.8b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 13 42 52.1–.33 1.70N–.03 127.43E–.03 141–2 4.8b 559 0-159
GFZ XI 13 13 42 52.0–.36 2N–4.0 127E–3.0 128–3 5.4b,5.3 **¶621402809**
IDC XI 13 13 42 51.7–.63 1.56N 127.49E 140–5 4.6,4.2b
DJA XI 13 13 42 51.7–.10 2N–1.0 127E–1.0 123–1 5.6b,5.4b
NEIC XI 13 13 42 52.5–1.7 1.68N–.06 127.44E–.08 136–1 4.8b,5.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 15 05 57.4–1.1 2.60N–.08 128.40E–.08 200 3.5b 20 0-64
IDC XI 13 15 05 55.8–4.9 2.51N 128.17E 176–61 3.6,3.1b **¶621468606**
DJA XI 13 15 05 59.3–1.0 3N–6.0 128E–6.0 184–6 3.7b,3.3
ISC Event type se.
ISC XI 16 21 50 16.5–1.0 1.73N–.06 127.48E–.06 128 3.5b 18 0-60
IDC XI 16 21 50 02.0–2.4 1.73N 127.43E 0 3.5b,3.5 **¶621475696**
DJA XI 16 21 50 18.4–.60 2N–4.0 127E–5.0 105–7 3.2,3.2
ISC Event type se.
ISC XI 14 09 54 36.5–.67 2.59N–.06 128.38E–.05 224–6 4.0b 77 0-119
DJA XI 14 09 54 37.2–.30 3N–4.0 128E–2.0 209–3 5.6,5.5 **¶621468664**
IDC XI 14 09 54 38.1–1.2 2.55N 128.49E 246–13 4.2,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=7.7km az=71.0.
ISC XI 16 08 10 32.4–.44 2.62N–.05 128.47E–.07 35 4.4b 97 0-121
DJA XI 16 08 10 33.9–1.0 3N–5.0 128E–4.0 16–7 5.0b,4.6b **¶621475670**
IDC XI 16 08 10 34.3–2.3 2.61N 128.45E 55–21 4.4L,4.0
NEIC XI 16 08 10 36.0–1.8 2.59N–.08 128.41E–.08 61–6 4.5b,4.0
MAN XI 16 08 10 36.0 2.24N 127.88E 118 5.3b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=11.4km az=72.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.7km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
ISC XI 16 17 30 55.5–1.2 2.33N–.08 128.3E–.10 148–8 3.5b 17 0-64
IDC XI 16 17 30 39.1–1.9 2.39N 128.26E 0 3.7b,3.7 **¶621475684**
DJA XI 16 17 30 56.6–1.3 2N–6.0 128E–11 136–8 2.9,2.9
ISC Event type se.
ISC XI 23 23 23 55.8–.67 2.76N–.06 128.10E–.07 50 4.0b 50 1-146
DJA XI 23 23 23 52.7–.50 3N–4.0 128E–5.0 10 4.6b,4.4b **¶621611982**
IDC XI 23 23 23 56.6–3.9 2.59N 128.05E 54–41 4.4L,3.8
NEIC XI 23 23 23 57.3–.81 2.63N–.10 128.02E–.09 56–9 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 18 21 32 19.0–1.5 1.19S 127.46E 0 3.6b,3.5
¶621532502
IDC Error ellipse: s-maj=174.7km s-min=19.9km az=66.0.
IDC XI 23 09 19 09.9–12 2.39N 128.03E 144–113 3.7,3.3b
¶621611946
IDC Error ellipse: s-maj=119.1km s-min=23.1km az=62.0.
IDC XI 27 13 22 34.1–2.1 2.92N 128.50E 0 3.3b,3.3
¶621625128
IDC Error ellipse: s-maj=166.2km s-min=22.5km az=69.0.
ISC XI 26 17 50 16.2–.97 1.57N–.04 127.11E–.04 127–8 3.1b 33 0-60
IDC XI 26 17 50 03.1–2.4 1.22N 126.37E 0 3.1,3.0b **¶621622022**
DJA XI 26 17 50 17.4–.40 2N–2.0 127E–2.0 105–5 3.0,3.0
ISC Event type se.
IDC XII 03 07 16 37.2–2.2 2.81N 128.12E 0 3.6b,3.6
¶621630572
IDC Error ellipse: s-maj=186.2km s-min=22.3km az=68.0.
ISC XII 09 23 00 00.4–1.8 0.75N–.05 129.28E–.05 3–12 3.5b 29 1-66
IDC XII 09 22 59 59.9–1.5 0.66N 129.06E 0 3.6b,3.6 **¶621636599**
DJA XII 09 23 00 01.9–.30 1N–2.0 129E–2.0 10 4.0,3.9
ISC Event type se.
IDC XII 05 07 54 39.0–2.0 1.53N 127.12E 0 4.1s,3.8b
¶621631239
IDC Error ellipse: s-maj=194.8km s-min=22.2km az=67.0.
IDC XII 06 04 53 55.9–2.3 1.58S 127.48E 0 3.2L,3.2b
¶621632571
IDC Error ellipse: s-maj=171.5km s-min=29.1km az=67.0.
ISC XII 08 17 33 27.1–1.3 0.63S–.03 127.85E–.06 10–10 3.7b 46 0-62
IDC XII 08 17 33 24.4–1.4 0.62S 127.87E 0 3.6,3.5b **¶621634729**
DJA XII 08 17 33 28.4–.20 1S–1.0 128E–2.0 10 4.2b,4.0
ISC Event type se.
IDC XII 08 03 21 31.4–2.0 2.08N 128.05E 0 4.1b,4.1
¶621634661
IDC Error ellipse: s-maj=171.8km s-min=28.8km az=69.0.
DJA XII 15 18 48 12.3–.80 2N–4.0 128E–7.0 97–7 3.0,3.0
¶621654134
ISC XII 12 13 07 08.8–1.7 2.5N–.30 128.6E–.60 35 3.5b 6 21-64
IDC XII 12 13 07 03.7–1.6 2.48N 128.53E 0 3.5b,3.5 **¶621650511**
ISC Event type se.
IDC Error ellipse: s-maj=98.3km s-min=20.4km az=70.0.
ISC XII 12 14 25 59.7–.53 2.47N–.06 128.37E–.07 250 4.3b 107 0-125
GFZ XII 12 14 25 58.5–.36 2N–3.0 128E–4.0 232–4 4.7b,4.6 **¶621627812**
IDC XII 12 14 25 58.5–3.5 2.44N 128.46E 234–29 4.3,3.6b
DJA XII 12 14 25 59.1–.70 3N–6.0 128E–4.0 225–6 4.9b,4.6b
NEIC XII 12 14 26 02.9–.79 2.0N–.10 128.36E–.09 239–8 4.4b,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 02 44 18.7–.58 2.90N–.05 128.21E–.07 100 4.0b 78 1-69
IDC XII 15 02 44 17.7–5.7 2.90N 128.40E 97–54 3.9,3.5b **¶621654072**
NEIC XII 15 02 44 20.9–.58 2.80N–.06 128.2E–.10 125–10 4.3b,3.5b
DJA XII 15 02 44 22.7–.40 3N–4.0 128E–3.0 111–4 5.7,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 14 11 10.5–.56 2.07N–.07 128.74E–.08 35 4.3b 76 0-92
IDC XII 14 14 11 05.5–1.3 1.91N 128.19E 0 3.8b,3.8 **¶621652924**
DJA XII 14 14 11 08.3–.50 2N–5.0 129E–3.0 10 5.6b,5.1
NEIC XII 14 14 11 15.7–.84 1.89N–.09 128.4E–.10 81–8 4.4b,5.1
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 15 00 54 45.7–2.3 0.34S 129.84E 0 3.6L,3.6b ¶621654065
IDC Error ellipse: s-maj=168.2km s-min=24.6km az=70.0.
ISC XII 12 17 01 40.9–.36 1.60N–.04 128.82E–.05 35 4.7b,3.6s 164 1-86
BJI XII 12 17 01 35.8 1.32N 128.94E 20 4.8b,4.5b **¶621627822**
IDC XII 12 17 01 37.2–.68 1.65N 128.70E 0 4.3b,4.2
NEIC XII 12 17 01 37.8–1.7 1.63N–.08 128.86E–.07 10–1 4.8b,4.2
DJA XII 12 17 01 41.7–.30 2N–3.0 129E–2.0 10 4.5b,4.4
GFZ XII 12 17 01 42.9–.46 2N–3.0 129E–4.0 53–4 5.6b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 14 10 20 32.4–1.6 1.9N–.30 128.3E–.60 92 3.9b 6 20-64
IDC XII 14 10 20 21.0–1.6 2.15N 128.57E 0 3.8b,3.8 **¶621652914**
ISC Event type se.
IDC Error ellipse: s-maj=111.9km s-min=17.9km az=69.0.
ISC XII 24 05 14 10.0–.77 0.91S–.03 127.51E–.06 10 26 0-62
IDC XII 24 05 14 07.0–2.2 0.63S 128.18E 0 3.4,3.3b **¶621700072**
DJA XII 24 05 14 11.2–.20 1S–2.0 127E–4.0 10 3.9b,3.6
ISC Event type se.
ISC XII 18 09 55 31.8–1.2 0.97N–.03 127.78E–.04 4–10 3.8b 21 0-65
DJA XII 18 09 55 31.1–.30 1N–2.0 128E–2.0 10 3.5,3.5 **¶621656991**
IDC XII 18 09 55 33.3–2.2 0.97N 127.50E 0 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=220.2km s-min=22.3km az=67.0.
ISC XII 18 18 55 32.4–.52 0.02S–.04 129.86E–.04 40–6 4.5b 77 2-88
IDC XII 18 18 55 27.6–.76 0.04S 129.92E 0 4.0b,4.0 **¶621657021**
DJA XII 18 18 55 30.7–.20 0N–2.0 130E–2.0 10 4.5b,4.3
NEIC XII 18 18 55 33.0–1.8 0.09S–.09 129.80E–.07 40–8 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 15 09 42 02.9–2.5 1.54N 127.43E 0 3.3s,3.2b ¶621654096
IDC Error ellipse: s-maj=193.0km s-min=28.8km az=66.0.
ISC XII 22 22 33 25.6–.96 2.18N–.05 128.43E–.05 48–10 4.5b,3.0s 166 0-86
GFZ XII 22 22 33 25.4–.33 2N–3.0 128E–3.0 51–3 4.7b,4.6b **¶621648305**
IDC XII 22 22 33 25.7–2.8 2.28N 128.60E 49–30 4.6L,4.2
DJA XII 22 22 33 26.1–.50 2N–4.0 128E–3.0 24–5 5.3b,4.8b
NEIC XII 22 22 33 26.1–1.4 2.16N–.06 128.43E–.06 47–8 4.4b,4.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 28 06 50 41.9–2.4 1.38S 127.76E 0 3.6b,3.5 ¶621717369
IDC Error ellipse: s-maj=226.9km s-min=25.1km az=67.0.
DJA XII 24 17 21 17.8–.40 2N–3.0 129E–3.0 10 4.0b,3.7 ¶626707263
ISC XII 25 03 11 50.1–.84 2.57N–.07 128.20E–.08 150 3.7b 40 0-69
IDC XII 25 03 11 51.8–2.1 2.43N 128.20E 167–24 3.8,3.3b **¶621700131**
DJA XII 25 03 11 51.2–.50 3N–4.0 128E–4.0 129–4 5.3b,4.8
ISC Event type se.
ISC XII 27 04 20 09.1–.99 1.54N–.04 127.15E–.05 140–8 3.0b 29 0-60
IDC XII 27 04 19 53.1–2.6 1.90N 127.56E 0 3.3b,3.3 **¶621717284**
DJA XII 27 04 20 09.9–.50 2N–2.0 127E–2.0 124–6 3.2,3.2
ISC Event type se.
ISC XII 31 07 27 06.8–.86 1.45S–.04 127.30E–.05 25 3.7b 37 0-66
IDC XII 31 07 27 02.4–1.2 1.61S 127.12E 0 3.9L,3.6 **¶621726051**
DJA XII 31 07 27 06.7–.20 1S–2.0 127E–3.0 10 4.6b,4.4b
ISC Event type se.
IDC XII 29 17 53 58.5–1.2 0.85N 129.47E 0 3.3b,3.3 ¶621724236
IDC Error ellipse: s-maj=58.2km s-min=16.4km az=52.0.
ISC XII 31 03 55 41.2–1.1 1.42S–.03 127.33E–.04 24–8 4.4b,3.5s 147 0-98
IDC XII 31 03 55 37.6–.57 1.52S 127.30E 0 4.5L,4.2 **¶621657655**
NEIC XII 31 03 55 39.7–2.3 1.54S–.06 127.32E–.05 10–1 4.5b,4.2
DJA XII 31 03 55 41.1–.10 1S–1.0 127E–1.0 10 5.3b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 31 04 50 46.6–.34 1.56S–.03 127.32E–.03 10 4.5b,3.4s 196 0-124
IDC XII 31 04 50 44.5–.58 1.53S 127.22E 0 4.3L,4.1b **¶621657656**
NEIC XII 31 04 50 46.7–1.8 1.57S–.07 127.28E–.06 10–1 4.6b,4.1b
GFZ XII 31 04 50 47.1–.16 2S–2.0 127E–2.0 10 5.1b,4.8b
DJA XII 31 04 50 48.6–.10 1S–2.0 127E–1.0 10 5.2b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

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ISC VII 02 23 08 28.5–.72 2.95S–.04 122.51E–.04 10 3.7b 78 0-61
IDC VII 02 23 08 25.6–1.4 2.79S 122.50E 0 3.9,3.8L **¶620927777**
DJA VII 02 23 08 29.6–.10 3S–1.0 123E–1.0 10 5.3b,4.8b
ISC Event type se.
DJA VII 16 07 32 34.4–.30 3S–2.0 122E–3.0 10 3.9,3.9 ¶626368425
ISC VII 17 10 53 57.3–.36 2.21S–.03 120.89E–.03 10 4.5b,3.2s 238 0-88
IDC VII 17 10 53 56.0–.54 2.12S 120.94E 0 4.4L,4.2 **¶620833091**
DJA VII 17 10 53 58.4–.10 2S–1.0 121E–1.0 10 5.4b,5.1
NEIC VII 17 10 53 59.6–1.1 2.19S–.05 120.87E–.05 25–4 4.4b,5.1
GFZ VII 17 10 54 01.0–.13 2S–2.0 121E–2.0 45 4.8,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 17 11 30 51.1–1.1 2.25S–.02 120.88E–.03 5–10 3.5b 64 0-40
IDC VII 17 11 30 50.9–1.7 2.24S 121.05E 0 4.1L,4.1s **¶620928768**
DJA VII 17 11 30 51.8–.10 2S–1.0 121E–1.0 10 4.4b,4.3
ISC Event type se.
DJA VII 20 03 50 43.1–.50 4S–2.0 119E–4.0 19–4 3.5,3.5 ¶626066830
ISC VII 20 21 40 29.7–.69 2.92S–.03 119.43E–.03 10 4.2b 61 0-77
IDC VII 20 21 40 28.6–1.2 3.03S 119.07E 0 3.8,3.7L **¶620961615**
DJA VII 20 21 40 29.4–.20 3S–1.0 119E–2.0 10 4.0,3.9
ISC Event type se.
ISC VII 21 05 39 02.6–1.1 2.92S–.02 119.44E–.03 5–9 3.5b,2.9s 65 0-59
IDC VII 21 05 39 01.4–1.8 2.79S 119.67E 0 3.5b,3.5 **¶620961631**
DJA VII 21 05 39 03.3–.20 3S–1.0 119E–1.0 5 4.0,4.0
ISC Event type se.
ISC VII 21 17 44 00.9–.44 2.92S–.02 119.44E–.03 5–2 5.1b,4.4s 682 0-160
NEIC VII 21 17 44 01.7–1.7 2.92S–.03 119.39E–.05 13–3 5.4b,5.2 **¶620842811**
GFZ VII 21 17 44 03.2–.15 3S–2.0 119E–3.0 10 5.3,5.3b
GFZ VII 21 17 44 03.0 2.96S 119.43E 10 5.1W,5.3b
DJA VII 21 17 44 03.5–.10 3S–1.0 119E–1.0 10 5.6b,5.4
IDC VII 21 17 44 04.9–1.8 2.88S 119.42E 33–13 4.6,4.4b
GCMT VII 21 17 44 04.9–.10 2.86S–.01 119.43E–.01 12 5.2W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.05 $M_{\theta\theta}$5.17 $M_{\phi\phi}$-0.12 $M_{r\theta}$1.19 $M_{\theta\phi}$3.25 $M_{\phi r}$-0.27 NP1: ϕ_s52.50024°,δ41.60825°,λ-107.72406°. NP2:ϕ_s255.64440°,δ50.76410°,λ-74.87084°. Principal axes: T 6.7965,Plg4.6719°,Azm334.9735°; N -1.5106,Plg11.6629°,Azm65.9401° ; P -5.2859,Plg77.4116°,Azm223.5075° $M_0$6.18124×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107211744A. Moment Tensor Solution. s85,c125; s125,c240;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.66±.13 $M_{\theta\theta}$5.60±.09; $M_{\phi\phi}$0.05±.14; $M_{r\theta}$2.46±.31; $M_{\theta\phi}$4.37±.09; $M_{\phi r}$3.04±.39; Best double couple: NP1:ϕ_s81.00000° ,δ34.00000°,λ-60.00000°. NP2:ϕ_s226.00000°,δ61.00000°,λ-109.00000°. Principal axes: T 8.9150,Plg14.0000°,Azm329.0000°; N -1.9140,Plg16.0000°,Azm235.0000° ; P -7.0030,Plg68.0000°,Azm98.0000° $M_0$7.95900×10^{16}
ISC VII 21 18 14 06.2–1.1 2.88S–.03 119.42E–.03 4–8 4.0b 100 0-64
IDC VII 21 18 14 06.0–.94 2.85S 119.54E 0 4.0L,3.8 **¶620961676**
DJA VII 21 18 14 07.3–.10 3S–1.0 119E–1.0 10 4.3,4.2
NEIC VII 21 18 14 07.6–1.1 2.95S–.04 119.43E–.07 10–1 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VII 21 20 43 07.4–.20 3S–2.0 119E–2.0 10 3.7,3.7 ¶626066865
ISC VII 21 21 08 10.1–.94 2.88S–.03 119.37E–.03 6–7 3.7b 76 0-64
IDC VII 21 21 08 09.0–.96 2.86S 119.64E 0 3.5,3.4b **¶620961682**
DJA VII 21 21 08 11.5–.10 3S–1.0 119E–1.0 10 6.1b,5.8
ISC Event type se.
ISC VII 22 05 22 25.7–.94 2.92S–.03 119.39E–.03 4–7 4.0b 50 0-59
DJA VII 22 05 22 26.4–.20 3S–1.0 119E–2.0 10 3.8,3.8 **¶620967807**
IDC VII 22 05 22 26.2–2.3 2.56S 119.99E 0 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=187.2km s-min=30.2km az=59.0.
ISC VII 22 18 26 17.4–1.2 2.88S–.02 119.41E–.03 4–9 3.7b 85 0-64
IDC VII 22 18 26 16.3–1.0 2.81S 119.72E 0 3.7L,3.7 **¶620967843**
DJA VII 22 18 26 18.5–.10 3S–1.0 119E–1.0 10 4.2b,4.0
ISC Event type se.
DJA VII 22 22 36 30.2–.40 2S–3.0 123E–4.0 10 2.9,2.9 ¶626332846
ISC VII 23 06 11 35.4–1.4 4.15S–.05 118.29E–.06 35 22 1-29
DJA VII 23 06 11 33.5–1.8 4S–3.0 118E–4.0 18–17 5.2b,5.0b **¶626066997**
ISC Event type se.
DJA VII 23 13 07 34.0–.30 3S–2.0 119E–2.0 38–7 5.1b,4.5 ¶626066993
DJA VIII 11 15 29 36.8–.10 2S–1.0 120E–1.0 10 4.1b,3.9 ¶626188304
DJA VII 27 15 12 22.9–.20 4S–1.0 122E–1.0 10 5.0b,4.7b ¶626067118
ISC VIII 05 05 07 33.7–.71 2.7S–.10 122.9E–.20 35 4.4b,3.8s 20 20-135
IDC VIII 05 05 07 28.6–.72 2.66S 122.88E 0 4.4b,4.4 **¶620998786**
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=16.7km az=73.0.
ISC VIII 10 08 42 40.3–.47 3.71S–.04 123.41E–.04 10 4.3b,3.5s 145 1-98
IDC VIII 10 08 42 38.4–.63 3.69S 123.31E 0 4.1L,4.0b **¶620980006**
NEIC VIII 10 08 42 41.0–2.2 3.63S–.06 123.36E–.07 10–1 4.4b,4.0b
DJA VIII 10 08 42 43.4–.50 4S–1.0 123E–1.0 36–12 5.3b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 10 15 04 22.0–1.1 2.53S–.03 121.44E–.03 5–10 3.3b 79 0-60
DJA VIII 10 15 04 22.8–.10 3S–1.0 121E–1.0 10 5.3b,4.7 **¶621008119**
IDC VIII 10 15 04 22.2–1.7 2.42S 121.73E 0 3.5,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=26.3km az=65.0.
DJA VIII 11 19 09 39.4–.30 3S–3.0 119E–3.0 10 2.6,2.6 ¶626549728
DJA VIII 18 05 59 47.3–.20 6S–2.0 122E–2.0 10 4.8b,4.0 ¶626188773
DJA VIII 28 11 52 16.6–.20 2S–1.0 122E–1.0 10 3.9,3.9 ¶626189593
ISC VIII 22 22 39 08.6–.57 2.75S–.03 121.96E–.03 10 4.1b 89 0-87
IDC VIII 22 22 39 07.0–.94 2.63S 122.13E 0 4.0,3.7L **¶621043134**
NEIC VIII 22 22 39 08.4–1.2 2.82S–.03 122.12E–.05 10–1 4.4b,3.7L
DJA VIII 22 22 39 09.8–.10 3S–1.0 122E–1.0 10 5.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 21 21 43 29.6–.96 1.05S–.04 123.70E–.04 10 3.4b 40 0-60
IDC VIII 21 21 43 28.6–1.8 1.91S 122.41E 0 3.4,3.3b **¶621043023**
DJA VIII 21 21 43 30.2–.20 1S–2.0 124E–2.0 10 4.2b,4.0
ISC Event type se.
ISC IX 24 15 39 39.5–1.1 2.90S–.02 119.42E–.03 3–9 3.8b 51 0-64
IDC IX 24 15 39 38.2–.94 2.89S 119.47E 0 3.9b,3.9 **¶621126449**
DJA IX 24 15 39 41.1–.20 3S–2.0 119E–2.0 10 4.2,4.2
ISC Event type se.
ISC IX 16 19 19 54.7–.38 1.28S–.03 120.53E–.03 10 4.5b 167 0-89
NEIC IX 16 19 19 55.5–2.6 1.27S–.05 120.59E–.03 10–1 4.5b **¶621080875**
DJA IX 16 19 19 55.0–.20 1S–2.0 120E–2.0 10 4.4,4.4
GFZ IX 16 19 19 58.6–.14 1S–2.0 121E–2.0 45 5.9b,5.5
IDC IX 16 19 19 59.5–2.2 1.27S 120.60E 46–24 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.2km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=23.0km s-min=13.2km az=73.0.
DJA VIII 29 00 37 30.3–.30 4S–2.0 123E–2.0 10 4.2b,4.0 ¶626189679
ISC IX 16 07 59 23.6–.66 1.31S–.03 120.56E–.03 14–4 4.8b,3.2s 178 0-161
IDC IX 16 07 59 21.1–.49 1.30S 120.60E 0 4.4b,4.4 **¶621079075**
NEIC IX 16 07 59 23.1–1.0 1.22S–.05 120.59E–.02 10–1 4.8b,4.4
DJA IX 16 07 59 23.2–.30 1S–2.0 121E–3.0 10 4.5,4.5
GFZ IX 16 07 59 24.4–.25 1S–4.0 121E–4.0 10 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DJA IX 16 13 08 29.7–.30 1S–2.0 120E–3.0 10 2.8,2.8 ¶626358509
ISC IX 29 16 39 31.4–.40 1.39S–.04 123.69E–.04 10 4.3b,3.4s 152 1-145
IDC IX 29 16 39 27.1–.54 1.26S 123.69E 0 4.2L,4.0 **¶621113004**
NEIC IX 29 16 39 30.9–1.9 1.30S–.07 123.70E–.04 10–1 4.5b,4.0
GFZ IX 29 16 39 31.4–.16 1S–2.0 124E–2.0 10 5.3b,4.8b
DJA IX 29 16 39 32.2–.20 1S–2.0 124E–2.0 10 5.3b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DJA IX 25 19 33 31.3–.20 2S–2.0 123E–2.0 10 3.9b,3.8 ¶626358933
ISC IX 26 09 32 49.5–.33 2.32S–.04 119.28E–.04 35 4.7b,3.6s 276 1-152
IDC IX 26 09 32 43.6–.47 2.26S 119.29E 0 4.5L,4.4 **¶621110214**
DJA IX 26 09 32 47.9–.30 2S–1.0 119E–1.0 10–2 8.3,7.8
NEIC IX 26 09 32 49.8–1.2 2.34S–.06 119.24E–.06 35–2 4.6b,7.8
GFZ IX 26 09 32 49.3–.25 2S–2.0 119E–2.0 36–3 5.5b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

DJA X 06 12 30 14.1–.40 4S–3.0 123E–4.0 10 4.3b,3.8
¶626703220
ISC XI 06 12 59 56.4–.94 1.29S–.03 120.51E–.03 10–6 4.0b 78 0-68
IDC XI 06 12 59 54.4–.68 1.24S 120.68E 0 3.9b,3.9 **¶621415981**
DJA XI 06 12 59 57.5–.20 1S–1.0 120E–1.0 10 4.4,4.3
ISC Event type se.
DJA X 08 04 02 33.9–.10 2S–1.0 120E–1.0 10 3.5,3.5
¶626703375
ISC X 11 11 09 07.7–1.0 1.79S–.02 120.10E–.03 18–3 3.3b 38 0-59
IDC X 11 11 09 04.5–2.0 2.29S 119.70E 0 3.4,3.3b **¶621236874**
DJA X 11 11 09 08.8–.20 2S–1.0 120E–2.0 10 3.6,3.6
ISC Event type se.
DJA X 12 16 55 33.3–.20 4S–2.0 120E–2.0 10 3.9b,3.6
¶626703653
ISC X 14 17 40 24.7–.71 2.03S–.02 120.96E–.03 10 3.2b 66 1-59
IDC X 14 17 40 22.6–1.9 0.63S 123.32E 0 3.3,3.2b **¶621240653**
DJA X 14 17 40 25.9–.10 2S–1.0 121E–1.0 10 4.0,4.0
ISC Event type se.
DJA X 19 19 44 33.0–.20 2S–2.0 121E–2.0 10–2 5.3b,4.7
¶626704071
ISC XI 06 03 56 19.1–.40 1.39S–.02 120.61E–.02 13–2 5.1b,4.3s 940 0-173
MOS XI 06 03 56 15.7–1.0 1.22S 120.69E 3 5.2b,4.3s **¶621370648**
IDC XI 06 03 56 17.0–.36 1.33S 120.75E 0 4.8b,4.8
BJI XI 06 03 56 18.7 1.30S 120.60E 10 5.3b,4.9b
NEIC XI 06 03 56 19.5–2.0 1.31S–.04 120.62E–.05 10–1 5.2b,4.9b
NEIC XI 06 03 56 19.7 1.30S 120.62E 10 5.2b,4.9b
GCMT XI 06 03 56 20.8–.10 1.29S–.01 120.65E–.01 16–0 5.1W,4.9b
GFZ XI 06 03 56 20.3–.14 1S–2.0 121E–2.0 10 5.5b,5.4L
DJA XI 06 03 56 20.3–.10 1S–1.0 121E–1.0 10 5.7b,5.6
NEIC XI 06 03 56 26.6 1.30S 120.62E 18 5.1,5.6
ISC Event type se.
MOS Error ellipse: s-maj=9.0km s-min=4.9km az=111.8.
IDC Error ellipse: s-maj=11.7km s-min=8.5km az=80.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.0km az=297.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111060356A. Moment Tensor Solution. s77,c105; s131,c223;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.12 $M_{\theta\theta}$5.67±.10; $M_{\phi\phi}$-3.67±.10; $M_{r\theta}$-0.71±.24; $M_{\theta\phi}$-0.42±.07; $M_{\phi r}$2.71±.32; Best double couple: NP1: ϕ_s234.00000°,δ60.00000°,λ-157.00000°. NP2:ϕ_s131.00000°,δ70.00000°,λ-32.00000°. Principal axes: T 5.7870,Plg7.0000°,Azm184.0000°; N -0.1150,Plg53.0000°,Azm283.0000° ; P -5.6710,Plg36.0000°,Azm89.0000° $M_0$5.72900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.48 $M_{\theta\theta}$5.57 $M_{\phi\phi}$-3.09 $M_{r\theta}$2.27 $M_{\theta\phi}$-0.02 $M_{\phi r}$2.84 NP1:ϕ_s127.46000°,δ46.90000° ,λ-23.63000°. NP2:ϕ_s234.10000°,δ72.98000°,λ-134.40000°. Principal axes: T 6.2239,Plg16.0000°,Azm355.0000°; N -0.3726,Plg42.0000°,Azm250.0000° ; P -5.8513,Plg44.0000°,Azm101.0000° $M_0$6.05000×10^{16}
DJA X 13 08 13 19.9–.20 2S–2.0 119E–3.0 10 3.6,3.6
¶626703711
ISC X 07 23 02 48.5–1.1 1.67S–.03 120.23E–.03 2–7 4.3b 100 0-72
NEIC X 07 23 02 50.0–1.8 1.66S–.05 120.23E–.05 10–1 4.5b **¶621217249**
DJA X 07 23 02 50.1–.20 2S–1.0 120E–2.0 10 5.8b,5.8b
IDC X 07 23 02 56.8–3.9 1.83S 120.11E 68–41 4.0,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=9.0km az=233.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.8km s-min=14.8km az=58.0.
ISC X 24 00 24 03.7–.53 2.83S–.04 122.24E–.05 35 3.8b 83 0-87
NEIC X 24 00 24 01.2–1.7 2.93S–.03 122.27E–.07 10–1 4.4b **¶621366363**
DJA X 24 00 24 03.2–.20 3S–2.0 122E–2.0 10 5.0b,4.6
IDC X 24 00 24 04.4–2.5 2.85S 122.35E 44–26 4.2L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=4.0km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=15.5km az=64.0.
DJA X 27 23 43 49.4–.30 3S–2.0 122E–3.0 10 3.7,3.7
¶626704680
DJA XI 11 03 59 31.1–.30 2S–3.0 123E–3.0 10 3.8,3.8
¶626705316
ISC XI 06 22 03 15.8–1.1 3.94S–.05 123.54E–.07 35 36 1-62
IDC XI 06 22 03 11.8–1.8 3.93S 123.46E 0 3.3b,3.3 **¶621416004**
DJA XI 06 22 03 12.5–.40 4S–2.0 124E–4.0 10 4.3b,4.3b
ISC Event type se.
ISC XI 08 19 12 25.4–1.0 1.30S–.02 120.56E–.03 9–7 3.6b 57 0-63
IDC XI 08 19 12 23.7–.98 1.25S 120.71E 0 3.8L,3.6 **¶621423117**
DJA XI 08 19 12 26.5–.20 1S–1.0 121E–1.0 10 4.1,4.1
ISC Event type se.
DJA XI 14 12 18 39.6–.10 1S–1.0 120E–1.0 10 5.7b,5.2
¶626705370
ISC XI 11 05 01 02.0–1.2 1.34S–.03 120.50E–.03 3–10 3.4b 50 0-58
DJA XI 11 05 01 02.9–.20 1S–1.0 120E–1.0 10 4.1,4.1 **¶621449506**
IDC XI 11 05 01 02.6–1.8 1.73S 120.24E 0 3.5,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=253.6km s-min=27.9km az=58.0.
ISC XI 27 18 09 45.6–.75 1.85S–.05 122.55E–.05 35 3.8b 102 1-64
IDC XI 27 18 09 40.1–.83 1.83S 122.55E 0 3.8,3.7L **¶621625138**
DJA XI 27 18 09 44.2–.10 2S–1.0 123E–1.0 10 5.4,5.2
ISC Event type se.
ISC XI 15 00 52 46.3–1.0 1.34S–.02 120.49E–.02 10–7 3.9b 63 0-39
IDC XI 15 00 52 44.1–1.7 1.20S 120.56E 0 3.9b,3.9 **¶621475573**
DJA XI 15 00 52 47.2–.10 1S–1.0 120E–1.0 10 4.2,4.2
ISC Event type se.
DJA XII 03 18 57 33.9–.20 1S–2.0 120E–2.0 10 3.3,3.3
¶626706451
ISC XII 16 02 15 44.7–.88 2.96S–.02 119.74E–.02 14–6 3.2b 50 0-60
DJA XII 16 02 15 46.1–.20 3S–1.0 120E–1.0 10 3.5,3.5 **¶621655745**
IDC XII 16 02 15 48.8–5.2 3.07S 119.31E 84–55 3.2,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=114.8km s-min=27.4km az=56.0.
ISC XII 07 08 17 15.2–.63 1.34S–.03 120.51E–.03 23 3.9b 43 0-63
IDC XII 07 08 17 11.8–.84 1.31S 120.78E 0 3.8b,3.8 **¶621632649**
DJA XII 07 08 17 13.5–.20 1S–2.0 121E–2.0 10 4.2,4.2
ISC Event type se.
DJA XII 16 03 52 26.5–.10 2S–1.0 122E–1.0 10 3.7,3.7
¶626707001
DJA XII 31 02 00 14.1–.30 4S–2.0 123E–2.0 10 4.8b,4.4b
¶626707432
ISC XII 18 03 41 56.0–.99 1.32S–.02 120.47E–.03 9–7 3.4b 51 0-58
IDC XII 18 03 41 55.8–1.6 1.34S 120.31E 0 3.6L,3.5 **¶621656970**
DJA XII 18 03 41 56.1–.20 1S–1.0 120E–1.0 10 3.7,3.7
ISC Event type se.

(269) Southern Molucca Sea.

IDC VII 16 22 29 54.5–1.5 0.62S 126.96E 0 3.5b,3.5
¶620928733
IDC Error ellipse: s-maj=157.2km s-min=21.9km az=68.0.
ISC VII 24 02 26 15.8–.53 0.02S–.04 124.46E–.04 73 4.2b 72 1-90
IDC VII 24 02 26 06.4–.65 0.04S 124.03E 0 4.1b,4.1 **¶620970191**
DJA VII 24 02 26 15.4–1.0 0S–3.0 124E–2.0 20–9 4.9b,4.4
NEIC VII 24 02 26 18.3–1.6 0.04S–.10 124.3E–.10 92–10 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 21 05 27.3–.38 0.03S–.04 124.40E–.04 73 4.4b 175 1-146
DJA VIII 30 21 05 25.4–.50 0S–2.0 124E–1.0 13–5 5.1b,5.1b **¶621011119**
IDC VIII 30 21 05 27.0–2.1 0.04S 124.30E 72–21 4.2,3.9b
NEIC VIII 30 21 05 27.4–2.6 0.02N–.06 124.44E–.06 68–6 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 31 23 01 39.5–1.2 1.46S 126.36E 0 3.6b,3.5
¶620986157
IDC Error ellipse: s-maj=26.9km s-min=19.5km az=21.0.
ISC VIII 01 11 39 19.1–.55 0.02S–.03 124.84E–.04 71–5 4.5b 234 1-125
DJA VIII 01 11 39 16.9–.10 0S–1.0 125E–1.0 10 5.3b,5.3b **¶620925702**
IDC VIII 01 11 39 18.0–1.5 0.01S 124.73E 59–14 4.4,4.1b
NEIC VIII 01 11 39 19.6–1.9 0.08S–.08 124.88E–.07 77–8 4.6b,4.1b
GFZ VIII 01 11 39 19.1–.15 0S–2.0 125E–2.0 70 4.7b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC VIII 19 08 04 20.7–1.6 0.81S 126.30E 0 3.7,3.6b
¶621039168
IDC Error ellipse: s-maj=176.2km s-min=21.2km az=66.0.
ISC IX 04 15 52 49.2–.93 0.14S–.05 124.45E–.05 60–9 4.8b,3.0s 193 1-100
GFZ IX 04 15 52 48.1–.14 0S–2.0 125E–2.0 56 4.9,4.8b **¶621035311**
IDC IX 04 15 52 49.4–1.6 0.17S 124.39E 64–16 4.4,4.1b
NEIC IX 04 15 52 50.5–2.2 0.10S–.06 124.38E–.06 61–8 4.7b,4.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 15 00 41.6–.00 0.49S–.04 126.82E–.04 35 28 1-61
IDC X 13 15 00 35.0–2.2 0.31S 127.27E 0 3.3,3.2b **¶621238982**
DJA X 13 15 00 39.2–.20 0S–2.0 127E–2.0 10 3.4,3.4
ISC Event type se.
ISC IX 18 01 43 23.0–.77 0.01S–.04 124.53E–.04 73 3.8b 33 1-64
IDC IX 18 01 43 14.0–.94 0.12N 124.65E 0 3.8,3.7b **¶621113539**
DJA IX 18 01 43 21.7–.70 0S–3.0 125E–2.0 10–6 5.0b,4.3
ISC Event type se.
ISC X 03 19 44 34.3–.75 0.38S–.04 124.43E–.04 78–8 4.4b 196 1-90
IDC X 03 19 44 32.7–2.2 0.31S 124.28E 65–23 4.2,3.8b **¶621117490**
GFZ X 03 19 44 34.0–.16 0S–2.0 124E–2.0 78 5.2b,4.6b
NEIC X 03 19 44 34.6–2.6 0.40S–.08 124.39E–.04 77–9 4.4b,4.6b
DJA X 03 19 44 34.1–.80 0S–1.0 124E–1.0 23–8 5.7,5.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 08 16 28 45.8–.71 0.03S–.04 124.12E–.04 78–7 4.2b 115 0-90
IDC X 08 16 28 46.6–2.5 0.00S 124.02E 80–26 3.9,3.6b **¶621224666**
NEIC X 08 16 28 47.9–2.7 0.06S–.06 124.12E–.06 99–8 4.3b,3.6b
DJA X 08 16 28 47.0–.10 0S–2.0 124E–1.0 45–6 4.8b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 03 22 58 48.4–1.0 1.03S–.04 125.07E–.04 10 3.9s 25 1-94
DJA X 03 22 58 49.5–.20 1S–2.0 125E–2.0 10 3.8,3.8 **¶621186153**
IDC X 03 22 59 42.1–13 4.82S 127.16E 0 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=191.1km s-min=145.3km az=147.0.
DJA X 16 12 47 36.5–.20 0S–2.0 124E–1.0 54–8 4.7b,4.0b
¶626703912
ISC XI 06 14 37 37.0–.19 0.08S–.02 124.24E–.03 56–1 5.8b,5.4s 2084 1-176
MOS XI 06 14 37 33.8–1.1 0.08S 124.04E 40 6.0b,5.2s **¶621370944**
NEIC XI 06 14 37 36.7–2.2 0.05S–.05 124.28E–.04 34–1 5.8b,5.4
ISC-P XI 06 14 37 36 0.05S 124.28E 34–0 6.4,5.4
IDC XI 06 14 37 37.1–.92 0.08S 124.12E 54–7 5.5,5.2b
NEIC XI 06 14 37 37.4 0.08S 124.32E 40 5.5,5.2b
IPGP XI 06 14 37 37.0 0.06S 124.34E 40 6.1W,5.2b
DJA XI 06 14 37 38.3–.10 0S–1.0 124E–1.0 58–1 6.5,6.3b
GFZ XI 06 14 37 38.5–.17 0S–2.0 124E–2.0 69–1 6.4,6.4L
GFZ XI 06 14 37 38.8 0.10S 124.27E 49 5.9W,6.4L
GCMT XI 06 14 37 40.4–.10 0.13S 124.35E 54–0 6.0W,6.4L
NEIC XI 06 14 37 49 0.08S 124.32E 40 6.0,6.4L
ISC Event type se.
MOS Error ellipse: s-maj=7.3km s-min=4.2km az=114.9.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=2.8km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC-P Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}0.41±.14 $M_{\theta\theta}$0.10±.18; $M_{\phi\phi}$-0.51±.19; $M_{r\theta}$-0.23±.16; $M_{\theta\phi}$0.44±.20; $M_{\phi r}$-0.17±.12; NP1:ϕ_s346.40000°,δ69.90000° ,λ63.50000°. NP2:ϕ_s221.80000°,δ32.80000°,λ140.70000°. $M_0$4.79000×10^{18}
IDC Error ellipse: s-maj=10.6km s-min=7.1km az=80.0.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s254.00000°,δ44.00000°,λ130.00000°. NP2:ϕ_s24.00000° ,δ58.00000°,λ58.00000°.
GFZ Error ellipse: s-maj=3.9km s-min=3.2km az=65.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.64 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-4.16 $M_{r\theta}$-1.12 $M_{\theta\phi}$-4.87 $M_{\phi r}$4.51 NP1: ϕ_s245.05921°,δ40.96096°,λ137.16182°. NP2:ϕ_s10.05961°,δ63.53029°,λ57.52116°. Principal axes: T 8.3212,Plg58.1195°,Azm234.0926°; N 0.1982,Plg28.7309°,Azm25.8997° ; P -8.5194,Plg12.6386°,Azm122.9604° $M_0$8.42209×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111061437A. Moment Tensor Solution. s160,c345; s162,c552;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.94±.01 $M_{\theta\theta}$-0.23±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$-0.22±.01; $M_{\theta\phi}$-0.71±.01; $M_{\phi r}$0.66±.01; Best double couple: NP1:ϕ_s242.00000°,δ41.00000°,λ134.00000°. NP2:ϕ_s10.00000°,δ62.00000°,λ59.00000°. Principal axes: T 1.3100,Plg60.0000°,Azm232.0000°; N -0.0150,Plg27.0000°,Azm26.0000° ; P -1.2940,Plg11.0000°,Azm122.0000° $M_0$1.30200×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.60 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-0.34 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.64 $M_{\phi r}$0.75 NP1:ϕ_s252.81000°,δ44.54000° ,λ148.25000°. NP2:ϕ_s6.61000°,δ68.34000°,λ50.08000°. Principal axes: T 1.2886,Plg50.0000°,Azm232.0000°; N -0.2797,Plg37.0000°,Azm24.0000° ; P -1.0089,Plg14.0000°,Azm125.0000° $M_0$1.17000×10^{18}
ISC XI 10 01 49 47.3–.63 0.09S–.04 124.40E–.04 50 4.1b 53 1-90
IDC XI 10 01 49 39.9–.96 0.05S 124.51E 0 4.0L,4.0 **¶621440040**
DJA XI 10 01 49 47.2–.20 0S–2.0 124E–2.0 10 5.0b,4.8b
NEIC XI 10 01 49 48.9–.73 0.1S–.10 124.37E–.03 74–12 4.1b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 03 42 57.8–.91 0.03S–.05 124.39E–.03 68–12 3.3b 40 1-36
IDC XI 09 03 42 50.0–10 0.03S 124.54E 0 3.7,3.6L **¶621423133**
DJA XI 09 03 42 58.1–.40 0S–2.0 124E–1.0 28–4 5.0b,4.4b
ISC Event type se.
DJA XI 06 15 11 11.2–.20 0S–2.0 124E–3.0 10 3.6b,3.6
¶626705159
DJA XI 07 23 30 00.5–.50 0S–2.0 124E–2.0 18–4 3.7,3.6
¶626705179
DJA XI 07 18 24 11.8–.40 0S–2.0 124E–1.0 30–5 4.2b,3.8
¶626705181
ISC XI 08 20 07 54.4–.32 0.23S–.04 125.13E–.04 53 4.6b,3.4s 369 1-99
IDC XI 08 20 07 47.4–.46 0.18S 125.08E 0 4.4b,4.4 **¶621385024**
GFZ XI 08 20 07 54.3–.20 0S–3.0 125E–3.0 51 5.1b,4.8b
NEIC XI 08 20 07 54.7–1.9 0.23S–.05 125.12E–.05 50–6 4.7b,4.8b
DJA XI 08 20 07 54.2–.10 0S–1.0 125E–1.0 41–2 5.2b,5.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XI 15 18 21 40.9–.20 0S–3.0 124E–2.0 88–5 4.0b,3.8 ¶626705463
DJA XI 12 06 45 48.2–.60 0S–2.0 124E–2.0 15–6 4.2,4.2 ¶626705337
ISC XI 22 12 33 04.4–.59 0.08S–.05 124.40E–.05 73 4.1b 119 1-64
DJA XI 22 12 33 03.0–.60 0S–2.0 124E–1.0 11–6 4.6b,4.5 **¶621440142**
IDC XI 22 12 33 04.5–2.7 0.04S 124.39E 74–26 3.9,3.5b
NEIC XI 22 12 33 04.8–1.5 0.11S–.05 124.35E–.07 74–9 4.2b,3.5b
GFZ XI 22 12 33 04.5–.27 0S–3.0 124E–3.0 76–5 4.8b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 22 16 06 46.1–.97 0.03S–.05 124.71E–.05 73 3.3b 31 1-64
IDC XI 22 16 06 33.8–1.3 0.20N 124.71E 0 3.4,3.3b **¶621611921**
DJA XI 22 16 06 46.7–.30 0N–4.0 125E–2.0 91–7 4.7b,4.3
ISC Event type se.
DJA XI 24 16 56 36.4–.20 0S–2.0 124E–2.0 10 5.8b,5.4 ¶626705752
IDC XI 25 04 57 03.0–2.1 0.28S 125.75E 0 3.2b,3.2 ¶621618677
IDC Error ellipse: s-maj=189.9km s-min=29.3km az=64.0.
ISC XI 25 19 39 40.1–.80 0.66S–.03 126.84E–.04 10 36 1-61
IDC XI 25 19 39 37.1–1.6 0.80S 126.80E 0 3.4,3.3b **¶621618722**
DJA XI 25 19 39 42.2–.20 1S–2.0 127E–2.0 10 5.1b,4.7b
ISC Event type se.
ISC XII 06 19 37 41.1–.51 0.45S–.05 124.12E–.04 10 4.0b 84 1-69
IDC XII 06 19 37 39.2–.68 0.47S 124.01E 0 3.9b,3.9 **¶621632621**
NEIC XII 06 19 37 41.8–1.8 0.44S–.05 124.07E–.05 10–1 4.2b,3.9
DJA XII 06 19 37 42.5–.20 0S–2.0 124E–2.0 10 4.3,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 01 15 29 57.6–.82 0.02S–.04 124.33E–.04 73 3.7b 51 1-59
DJA XII 01 15 29 56.7–.90 0S–3.0 124E–2.0 21–9 4.5,4.4b **¶621629828**
IDC XII 01 15 29 58.6–2.7 0.10S 124.31E 81–24 3.9,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=16.6km az=166.0.
ISC XII 20 14 59 11.0–.82 0.16S–.04 124.76E–.04 35 3.8b 48 1-64
IDC XII 20 14 59 04.3–1.1 0.16N 125.29E 0 3.5b,3.5 **¶621685622**
DJA XII 20 14 59 10.6–.20 0S–2.0 125E–2.0 10 5.4b,4.9
ISC Event type se.
ISC XII 30 13 13 19.0–.33 0.15S–.03 125.23E–.03 59–2 5.5b,4.8s 1176 1-163
BJI XII 30 13 13 11.8 0.72S 125.45E 50 5.6b,5.3b **¶621657522**
IDC XII 30 13 13 16.0–1.4 0.12S 125.15E 30–9 5.2,5.1b
MOS XII 30 13 13 15.3–1.1 0.07S 125.10E 39 5.8b,4.7s
NEIC XII 30 13 13 17.6–2.1 0.08S–.07 125.25E–.06 42–1 5.9b,5.4
NEIC XII 30 13 13 17.9 0.18S 125.27E 37 5.9b,5.4
NEIC XII 30 13 13 17.9 0.18S 125.27E 37 5.9b,5.4
NEIC XII 30 13 13 18.7 0.18S 125.37E 36 5.5,5.4
DJA XII 30 13 13 18.2–.10 0S–1.0 125E–1.0 40 6.0b,5.9
GFZ XII 30 13 13 18.6–.10 0S–2.0 125E–2.0 54 5.9b,5.6L
GFZ XII 30 13 13 19.4 0.12S 125.31E 37 5.5W,5.6L
IPGP XII 30 13 13 19.0 0.17S 125.25E 40 5.6W,5.6L
GCMT XII 30 13 13 20.3–.10 0.27S–.01 125.16E–.01 36–0 5.6W,5.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.35 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$-0.21 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.85 NP1:ϕ_s45.00000°,δ62.84000°,λ72.91000°. NP2:ϕ_s258.97000°,δ31.74000°,λ119.81000°. Principal axes: T 1.7351,Plg68.0000°,Azm282.0000°; N 0.0360,Plg15.0000°,Azm53.0000°; P -1.7711,Plg16.0000°,Azm148.0000° $M_0$1.75000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.97 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$-0.42 $M_{r\theta}$0.20 $M_{\theta\phi}$-1.38 $M_{\phi r}$1.10 NP1:ϕ_s258.06000°,δ39.73000°,λ125.29000°. NP2:ϕ_s35.44000°,δ58.55000°,λ64.35000°. Principal axes: T 2.4308,Plg66.0000°,Azm257.0000°; N 0.1832,Plg22.0000°,Azm50.0000°; P -2.6140,Plg10.0000°,Azm144.0000° $M_0$2.53000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.54 $M_{\theta\theta}$-1.31 $M_{\phi\phi}$-0.23 $M_{r\theta}$0.57 $M_{\theta\phi}$-0.87 $M_{\phi r}$1.04 NP1:ϕ_s42.49809°,δ63.23838°,λ70.80768°. NP2:ϕ_s260.20374°,δ32.51387°,λ123.09950°. Principal axes: T 2.0298,Plg66.1591°,Azm277.3914°; N 0.0610,Plg17.0693°,Azm51.4059°; P -2.0908,Plg16.1337°,Azm146.5018° $M_0$2.06102×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s254.00000°,δ28.00000°,λ120.00000°. NP2:ϕ_s41.00000°,δ66.00000°,λ75.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112301313A. Moment Tensor Solution. s119,c221; s126,c222;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.47±.05 $M_{\theta\theta}$-1.49±.03; $M_{\phi\phi}$-0.98±.04; $M_{r\theta}$0.58±.04; $M_{\theta\phi}$-1.50±.03; $M_{\phi r}$1.66±.05; Best double couple: NP1:ϕ_s247.00000°,δ32.00000°,λ119.00000°. NP2:ϕ_s33.00000°,δ62.00000°,λ73.00000°. Principal axes: T 3.1380,Plg68.0000°,Azm269.0000°; N 0.0390,Plg15.0000°,Azm41.0000°; P -3.1830,Plg16.0000°,Azm136.0000° $M_0$3.16000×10^{17}
ISC XII 09 10 23 53.3–.84 0.08S–.04 124.45E–.03 66–9 4.0b 107 1-64
IDC XII 09 10 23 44.6–.79 0.13S 123.99E 0 4.0b,3.9 **¶621636571**
DJA XII 09 10 23 53.8–.50 0S–2.0 124E–1.0 29–5 5.0b,5.0b
NEIC XII 09 10 23 53.3–1.9 0.17S–.08 124.45E–.05 69–11 4.0b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 00 32 46.2–.77 0.47S–.06 125.84E–.05 50 3.9b,3.9s 27 2-94
IDC XII 17 00 32 38.6–.84 0.71S 125.02E 0 4.0b,4.0 **¶621656899**
DJA XII 17 00 32 49.7–.50 1S–4.0 126E–3.0 74–26 5.1b,4.4
ISC Event type se.

(270) Ceram Sea.

ISC VII 04 16 18 52.6–.41 2.89S–.03 128.01E–.03 30–2 5.0b,4.2s 614 0-161
BJI VII 04 16 18 45.0 3.55S 128.42E 30 5.0b,4.8b **¶620733584**
IDC VII 04 16 18 47.8–.33 2.96S 127.97E 0 5.1L,4.8b
NEIC VII 04 16 18 49.7–1.8 2.89S–.06 127.93E–.05 10–1 5.0b,5.0
DJA VII 04 16 18 53.0–.20 3S–2.0 128E–1.0 28–1 5.7b,5.5b
GCMT VII 04 16 18 53.6–.20 2.73S–.01 128.10E–.02 21–1 5.1W,5.5b
GFZ VII 04 16 18 53.6 2.93S 128.04E 37 5.0W,5.5b
GFZ VII 04 16 18 53.6–.23 3S–2.0 128E–2.0 40–2 5.2,5.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107041618A. Moment Tensor Solution. s57,c79; s85,c125; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.30±.18 $M_{\theta\theta}$-2.50±.11; $M_{\phi\phi}$0.20±.12; $M_{r\theta}$-2.12±.22; $M_{\theta\phi}$1.92±.07; $M_{\phi r}$3.37±.33; Best double couple: NP1:ϕ_s87.00000°,δ27.00000°,λ37.00000°. NP2:ϕ_s323.00000°,δ74.00000°,λ112.00000°. Principal axes: T 4.8340,Plg55.0000°,Azm261.0000°; N 0.3830,Plg21.0000°,Azm137.0000°; P -5.2100,Plg26.0000°,Azm36.0000° $M_0$5.02200×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.09 $M_{\theta\theta}$-1.70 $M_{\phi\phi}$-1.38 $M_{r\theta}$1.14 $M_{\theta\phi}$2.71 $M_{\phi r}$0.16 NP1:ϕ_s114.23228°,δ53.96991°,λ63.98464°. NP2:ϕ_s333.91631°,δ43.38396°,λ121.09131°. Principal axes: T 3.4990,Plg68.4082°,Azm326.7946°; N 0.8305,Plg20.7756°,Azm130.2502°; P -4.3295,Plg5.6226°,Azm222.3907° $M_0$3.97974×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
DJA VII 04 18 27 06.8–.40 3S–3.0 128E–2.0 20–4 4.0b,3.8 ¶626066148
ISC VII 07 01 08 54.8–1.2 2.56S–.03 127.47E–.03 29–9 4.1b 100 1-87
IDC VII 07 01 08 51.5–.76 2.53S 127.52E 0 4.0L,4.0 **¶620928072**
DJA VII 07 01 08 54.0–.30 3S–1.0 127E–1.0 10–3 5.3b,5.0b
NEIC VII 07 01 08 56.9–1.4 2.7S–.10 127.47E–.02 41–9 4.4b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 31 07 35 34.8–.98 2.79S–.03 127.35E–.04 47–13 3.6b 41 1-68
DJA VII 31 07 35 32.4–.40 3S–3.0 127E–1.0 12–4 4.7b,4.2 **¶620986114**
IDC VII 31 07 35 39.0–6.2 2.82S 127.97E 88–71 3.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=77.9km s-min=21.2km az=85.0.
IDC VIII 03 09 05 54.4–1.3 2.70S 124.43E 0 3.8s,3.5 ¶620995865
IDC Error ellipse: s-maj=27.3km s-min=21.9km az=173.0.
ISC VIII 21 23 59 58.2–1.2 2.9S–.10 126.7E–.10 32 3.9b 7 5-77
IDC VIII 21 23 59 53.4–1.0 2.84S 126.69E 0 4.0L,3.8b **¶621043033**
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=18.7km az=144.0.
ISC VIII 14 16 53 07.0–.82 2.47S–.04 128.84E–.05 35 3.7b 42 1-68
IDC VIII 14 16 53 02.2–1.1 2.56S 128.83E 0 3.9L,3.9 **¶621013526**
DJA VIII 14 16 53 05.5–.50 2S–3.0 129E–2.0 13–5 4.8b,4.3b
ISC Event type se.
ISC IX 05 12 16 55.2–.74 2.67S–.04 127.50E–.04 31–5 4.7b,3.3s 227 1-143
IDC IX 05 12 16 54.8–2.4 2.75S 127.52E 28–16 4.5L,4.5 **¶621035503**
GFZ IX 05 12 16 55.8–.26 3S–2.0 128E–2.0 32–2 4.9,4.9b
NEIC IX 05 12 16 55.9–1.2 2.60S–.04 127.51E–.06 35–2 4.7b,4.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 22 03 26.0–.41 2.82S–.04 128.09E–.05 38 4.3b,3.4s 93 0-151
NEIC VIII 27 22 03 22.6–1.6 2.86S–.05 128.11E–.05 10–1 4.5b,3.4s **¶621009727**
IDC VIII 27 22 03 24.9–2.7 2.92S 128.10E 28–18 4.3,4.1L
DJA VIII 27 22 03 24.5–.20 3S–2.0 128E–2.0 10 5.1b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 01 08 46 21.5–1.7 2.72S 127.34E 0 3.7b,3.7 ¶621080608
IDC Error ellipse: s-maj=27.9km s-min=21.1km az=144.0.
IDC IX 01 09 21 12.7–1.7 2.46S 126.93E 0 3.5b,3.4 ¶621080611
IDC Error ellipse: s-maj=28.1km s-min=21.5km az=156.0.
DJA VIII 22 14 59 28.6–.20 3S–2.0 127E–2.0 10 4.4b,3.8b ¶626189083
ISC IX 04 03 26 51.1–.97 2.8S–.10 125.87E–.08 10 4.2b 9 6-62
IDC IX 04 03 26 50.4–1.2 2.71S 125.84E 0 4.0L,3.9 **¶621081615**
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=19.5km az=147.0.
IDC IX 10 22 34 44.8–5.6 2.89S 127.11E 141–63 3.7,3.2b ¶621108544
IDC Error ellipse: s-maj=58.3km s-min=16.9km az=90.0.
ISC X 08 16 02 50.6–.58 2.93S–.05 127.78E–.04 38 4.1b 82 0-68
DJA X 08 16 02 49.5–.10 3S–2.0 128E–1.0 10 4.3b,4.1 **¶621224664**
NEIC X 08 16 02 51.5–1.9 3.01S–.09 127.81E–.08 46–11 4.3b,4.1
IDC X 08 16 02 53.6–1.7 3.03S 127.93E 70–18 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=11.0km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.1km s-min=10.4km az=86.0.
DJA IX 18 11 20 55.2–.20 3S–2.0 128E–2.0 10 4.0,4.0 ¶626358609
ISC X 17 15 02 11.1–.89 2.10S–.04 125.74E–.04 28–6 4.5b,2.9s 223 0-93
GFZ X 17 15 02 09.2–.16 2S–2.0 126E–2.0 10 5.1b,4.7b **¶621205015**
NEIC X 17 15 02 09.2–1.3 2.04S–.06 125.75E–.06 10–1 4.4b,4.7b
DJA X 17 15 02 10.5–.30 2S–2.0 126E–1.0 11–3 5.1b,5.0b
IDC X 17 15 02 12.8–2.1 2.14S 125.80E 46–20 4.3L,4.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.6km az=231.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=11.8km az=81.0.
DJA X 12 19 39 03.4–.20 3S–2.0 128E–2.0 10 4.1b,3.9 ¶626703648
ISC X 20 21 41 60.0–.69 2.24S–.04 127.93E–.04 33 3.5b 44 1-77
IDC X 20 21 41 55.2–1.4 2.22S 128.06E 0 3.7L,3.5b **¶621246615**
DJA X 20 21 42 00.5–.20 2S–2.0 128E–1.0 70–9 4.9b,4.8b
ISC Event type se.
IDC X 18 09 32 10.5–11 2.49S 126.09E 0 3.4b,3.2 ¶621244019
IDC Error ellipse: s-maj=183.7km s-min=162.2km az=102.0.
ISC XI 07 19 43 18.9–.49 2.04S–.04 125.65E–.04 21–3 4.3b,3.1s 149 0-66
NEIC XI 07 19 43 19.6–2.4 2.05S–.08 125.67E–.05 28–7 4.4b,3.1s **¶621372489**
DJA XI 07 19 43 19.3–.30 2S–1.0 126E–1.0 19–2 4.8b,4.6b
IDC XI 07 19 43 22.2–2.7 2.13S 125.79E 58–28 4.2,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.1km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=15.0km az=102.0.
ISC X 31 01 20 35.0–.78 2.23S–.05 125.16E–.05 26 3.9b 54 1-66
IDC X 31 01 20 32.2–.87 2.25S 125.14E 0 3.9,3.8L **¶621395212**
DJA X 31 01 20 33.4–.20 2S–2.0 125E–1.0 10 4.9b,4.3b
ISC Event type se.
ISC X 24 01 30 22.1–.46 2.72S–.04 128.88E–.05 35 4.0b,3.3s 75 0-90
NEIC X 24 01 30 19.0–2.5 2.83S–.07 128.92E–.03 10–1 4.4b,3.3s **¶621366370**
DJA X 24 01 30 21.3–.20 3S–2.0 129E–2.0 10 5.4b,5.3b
IDC X 24 01 30 24.5–1.9 2.77S 129.01E 60–18 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=3.4km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.3km s-min=8.3km az=85.0.
ISC XI 04 06 14 16.1–.45 2.12S–.05 125.90E–.05 35 4.4b 88 0-76
IDC XI 04 06 14 11.6–.67 2.07S 125.86E 0 4.3b,4.3 **¶621412278**
NEIC XI 04 06 14 14.9–1.4 2.17S–.07 125.90E–.07 27–6 4.4b,4.3
DJA XI 04 06 14 15.9–.30 2S–3.0 126E–2.0 14–3 5.1b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 20 12 37 53.8–11 2.23S 127.38E 0 3.5b,3.4 ¶621590356
IDC Error ellipse: s-maj=202.6km s-min=157.2km az=90.0.
IDC XII 09 06 10 15.7–2.0 2.15S 126.90E 0 3.7L,3.6 ¶621636556
IDC Error ellipse: s-maj=168.4km s-min=27.3km az=65.0.
IDC XI 21 07 41 54.1–3.5 2.33S 125.70E 0 3.8L,3.7b ¶621608901
IDC Error ellipse: s-maj=169.2km s-min=31.0km az=82.0.
IDC XII 01 20 04 30.8–13 2.41S 125.79E 0 3.9L,3.7 ¶621629844
IDC Error ellipse: s-maj=196.5km s-min=166.0km az=133.0.
ISC XI 22 15 48 10.9–.40 2.68S–.04 126.59E–.04 10 4.4b,3.3s 157 1-125
IDC XI 22 15 48 08.4–.63 2.81S 126.65E 0 4.4L,4.2 **¶621440153**
NEIC XI 22 15 48 11.2–1.3 2.75S–.06 126.64E–.06 10–1 4.5b,4.2
DJA XI 22 15 48 12.1–.10 3S–1.0 127E–1.0 10 6.0,5.9
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 14 23 33 00.8–2.3 2.04S 127.61E 0 3.8L,3.4
¶621652972

IDC Error ellipse: s-maj=165.7km s-min=28.7km az=67.0.
DJA XII 24 19 54 23.6–.20 3S–1.0 128E–2.0 10 5.6b,5.2
¶626707261

ISC XII 28 22 26 33.5–.60 2.29S–.04 128.21E–.05 32 4.0b,3.1s 43 1-79
IDC XII 28 22 26 29.4–.86 2.25S 128.23E 0 4.0,3.9b **¶621717420**
NEIC XII 28 22 26 31.5–1.4 2.23S–.07 128.23E–.05 10–1 4.3b,3.9b
DJA XII 28 22 26 34.6–.40 2S–3.0 128E–3.0 54–14 5.1b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 28 22 45 08.1–2.5 2.78S 127.62E 0 3.4L,3.4
¶621717421

IDC Error ellipse: s-maj=217.8km s-min=28.9km az=67.0.
IDC XII 29 21 12 21.2–1.8 3.95S 125.00E 0 3.5L,3.5
¶621724257

IDC Error ellipse: s-maj=189.3km s-min=26.7km az=62.0.
IDC XII 28 17 34 53.3–2.4 3.30S 125.86E 0 3.1,3.0L
¶621717403

IDC Error ellipse: s-maj=358.1km s-min=28.5km az=64.0.
ISC XII 30 14 56 26.3–.29 2.81S–.03 128.90E–.03 33 4.7b,3.5s 294 0-147
NEIC XII 30 14 56 26.7–1.9 2.84S–.07 128.86E–.06 35–1 4.7b,3.5s **¶621657530**
DJA XII 30 14 56 26.1–.10 3S–1.0 129E–1.0 10 5.3b,4.9b
GFZ XII 30 14 56 27.9–.16 3S–2.0 129E–2.0 46 5.0b,4.8b
IDC XII 30 14 56 28.1–1.6 2.97S 129.19E 59–15 4.4,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.4km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=14.8km s-min=8.1km az=89.0.
DJA XII 30 23 44 25.2–.20 3S–2.0 129E–2.0 10 5.5b,5.0
¶626707402

DJA XII 30 18 49 37.0–.20 3S–2.0 129E–2.0 10 4.2b,4.1
¶636106414

(271) Buru.

IDC VII 09 18 49 10.7–4.8 3.75S 126.91E 269–61 3.5,2.7b
¶620928280

IDC Error ellipse: s-maj=78.6km s-min=19.5km az=79.0.
ISC VII 21 11 59 50.4–.75 3.08S–.08 126.41E–.09 32 3.7b 13 5-156
IDC VII 21 11 59 51.3–1.9 3.11S 126.44E 47–21 4.0L,4.0 **¶620961654**
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=10.3km az=79.0.
ISC IX 23 17 30 16.8–.73 3.60S–.06 126.92E–.04 10 29 0-64
IDC IX 23 17 30 16.2–1.7 3.60S 126.91E 0 3.9,3.8L **¶621125867**
DJA IX 23 17 30 16.4–.30 4S–3.0 127E–3.0 10 4.8b,4.7b
NEIC IX 23 17 30 18.2–1.2 3.6S–.10 126.94E–.06 12–9 4.1b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 03 50 56.4–1.3 3.1S–.10 126.8E–.10 10 3.4b 6 5-68
IDC XI 26 03 50 55.0–1.4 3.07S 126.81E 0 3.3L,3.3 **¶621621982**
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=21.8km az=159.0.
IDC IX 06 09 19 36.3–4.7 3.69S 126.41E 0 3.4b,3.4
¶621094241

IDC Error ellipse: s-maj=331.9km s-min=28.6km az=78.0.
IDC IX 14 21 35 12.5–1.4 3.49S 126.44E 0 3.6s,3.1b
¶621110852

IDC Error ellipse: s-maj=26.2km s-min=23.0km az=158.0.

(272) Seram.

IDC VII 01 18 17 27.5–1.6 3.51S 130.75E 0 3.0b,3.0
¶620927685

IDC Error ellipse: s-maj=66.8km s-min=17.7km az=93.0.
IDC VII 09 12 03 46.5–6.0 3.47S 128.22E 437–79 3.9,3.1b
¶620928262

IDC Error ellipse: s-maj=84.8km s-min=25.4km az=63.0.
ISC VII 13 04 01 23.9–.63 2.91S–.04 129.64E–.03 28 4.3b 44 0-87
IDC VII 13 04 01 20.9–1.2 2.88S 129.59E 0 3.9L,3.9 **¶620928518**
NEIC VII 13 04 01 22.0–1.4 2.91S–.05 129.6E–.10 10–1 4.3b,3.9
DJA VII 13 04 01 23.6–.30 3S–3.0 130E–2.0 18–3 4.0b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 16 44 18.1–1.1 2.99S–.04 129.99E–.03 33–3 3.9b 68 0-74
IDC VII 18 16 44 14.3–.91 2.99S 130.11E 0 3.9L,3.7b **¶620928835**
NEIC VII 18 16 44 15.2–2.0 3.03S–.05 130.03E–.03 10–1 4.4b,3.7b
DJA VII 18 16 44 16.9–.20 3S–2.0 130E–1.0 10 3.7,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 02 54 52.5–1.1 3.31S–.03 129.41E–.02 6–7 4.0b,3.5s 65 0-90
IDC VII 19 02 54 52.1–1.1 3.29S 129.41E 0 4.0b,3.9 **¶620928853**
DJA VII 19 02 54 53.2–.10 3S–1.0 129E–1.0 10 4.0,4.0
ISC Event type se.
DJA VII 23 19 49 43.5–.30 3S–3.0 128E–2.0 86–4 4.4b,3.9
¶626066969

ISC VII 23 21 25 54.8–1.4 3.49S–.04 129.47E–.04 9–10 4.0b 30 0-69
IDC VII 23 21 25 54.0–1.2 3.50S 129.42E 0 3.9b,3.8 **¶620967944**
DJA VII 23 21 25 56.1–.30 3S–3.0 129E–2.0 10 3.9,3.9
ISC Event type se.
IDC VII 24 11 57 37.1–2.7 2.53S 129.64E 0 3.2b,3.2
¶620970214

IDC Error ellipse: s-maj=181.0km s-min=29.4km az=70.0.
ISC VIII 04 09 54 22.3–.32 3.98S–.04 127.76E–.04 167 4.4b 263 0-137
NEIC VIII 04 09 54 23.0–1.1 3.97S–.07 127.65E–.07 167–7 4.4b **¶620966511**
IDC VIII 04 09 54 24.8–1.1 4.03S 127.98E 193–10 4.5,3.9b
DJA VIII 04 09 54 24.5–.20 4S–2.0 128E–1.0 179–4 5.0,5.0b
GFZ VIII 04 09 54 24.0–.16 4S–2.0 128E–2.0 194 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 16 04 57 07.3–.66 3.91S–.06 128.95E–.04 32 4.1b 43 1-79
IDC VIII 16 04 57 03.7–1.3 3.69S 129.15E 0 3.9b,3.9 **¶621030134**
NEIC VIII 16 04 57 04.6–1.7 3.88S–.08 128.9E–.10 10–1 4.3b,3.9
DJA VIII 16 04 57 05.4–.40 4S–4.0 129E–2.0 10 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 05 22 50 33.8–1.1 2.91S–.09 129.50E–.04 10 3.7b 14 0-69
DJA VIII 05 22 50 34.8–1.1 3S–11 129E–5.0 10 3.8,3.8 **¶620998840**
IDC VIII 05 22 50 35.0–2.2 3.29S 128.17E 0 3.6L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=199.6km s-min=26.4km az=68.0.
ISC VIII 10 03 59 59.9–.81 2.82S–.03 129.77E–.04 57–8 4.2b 88 1-96
IDC VIII 10 03 59 53.5–.77 2.95S 129.56E 0 4.5L,4.2 **¶621008090**
NEIC VIII 10 03 59 55.4–1.6 2.93S–.03 129.66E–.07 10–1 4.5b,4.2
DJA VIII 10 04 00 00.3–.20 3S–2.0 130E–1.0 38–4 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 25 05 05 39.1–1.2 3.51S–.05 129.48E–.03 11–8 4.4b 50 0-86
IDC VIII 25 05 05 37.0–1.5 3.25S 130.26E 0 4.1b,4.0 **¶621058901**
DJA VIII 25 05 05 40.3–.20 3S–2.0 129E–2.0 10 4.1,4.1
NEIC VIII 25 05 05 43.0–2.4 3.54S–.09 129.59E–.04 35–2 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 23 22 31.9–.46 3.13S–.04 129.81E–.03 10 4.2b 82 0-91
IDC VIII 18 23 22 31.0–.69 3.11S 129.88E 0 4.3s,4.2 **¶621030431**
NEIC VIII 18 23 22 32.4–1.8 3.13S–.03 129.83E–.07 10–1 4.3b,4.2
DJA VIII 18 23 22 34.2–.30 3S–3.0 130E–2.0 12–3 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 22 26 16.9–1.1 2.86S–.07 129.80E–.05 10 10 1-65
IDC VIII 15 22 25 58.4–2.7 1.69S 128.48E 0 3.2b,3.2 **¶621023671**
DJA VIII 15 22 26 17.4–.40 3S–4.0 130E–3.0 10 2.7,2.7
ISC Event type se.
ISC VIII 25 22 04 25.1–1.1 3.45S–.04 129.50E–.04 11–8 4.0b 50 0-92
IDC VIII 25 22 04 24.2–.94 3.42S 129.56E 0 3.9b,3.9 **¶621058961**
NEIC VIII 25 22 04 25.6–1.7 3.40S–.03 129.5E–.10 10–1 4.0b,3.9
DJA VIII 25 22 04 25.9–.30 3S–3.0 129E–2.0 10 3.7,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 09 21 37 16.2–2.4 3.89S 128.06E 0 3.6b,3.6
¶621105908

IDC Error ellipse: s-maj=340.4km s-min=30.6km az=70.0.
ISC IX 09 12 35 29.0–.61 3.75S–.06 128.61E–.07 100 3.9b 33 4-78
NEIC IX 09 12 35 30.6–1.2 3.69S–.07 128.58E–.08 116–10 4.2b **¶621105879**
IDC IX 09 12 35 34.6–2.5 3.64S 129.18E 172–28 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.6km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.4km s-min=10.9km az=75.0.
ISC IX 21 01 20 45.9–.35 3.00S–.03 128.01E–.03 44–3 4.7b,3.7s 511 0-155
GFZ IX 21 01 20 45.6–.17 3S–2.0 128E–2.0 40–2 6.2,6.2 **¶621093584**
DJA IX 21 01 20 45.4–.30 3S–1.0 128E–1.0 16–2 5.5b,5.3
NEIC IX 21 01 20 46.6–1.4 3.03S–.06 128.01E–.06 44–6 4.9b,5.3
IDC IX 21 01 20 47.6–1.3 3.11S 128.13E 61–11 4.5,4.2b
ISC Event type se.
GFZ Error ellipse: s-maj=3.7km s-min=3.5km az=1.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=8.3km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.7km s-min=7.3km az=85.0.
IDC X 01 03 50 07.4–13 3.99S 127.51E 0 3.8b,3.7
¶621147807

IDC Error ellipse: s-maj=193.0km s-min=142.0km az=145.0.
ISC IX 23 14 09 15.6–.87 3.15S–.05 130.12E–.04 25 21 0-65
IDC IX 23 14 09 13.1–1.6 3.26S 130.33E 0 3.4b,3.4 **¶621125859**
DJA IX 23 14 09 14.5–.20 3S–2.0 130E–2.0 11–3 4.8b,3.9
ISC Event type se.
ISC X 10 01 55 53.0–.75 3.44S–.04 130.00E–.03 10 3.5b 33 0-70
IDC X 10 01 55 52.1–4.2 3.06S 129.17E 60–47 3.7,3.6L **¶621235362**
DJA X 10 01 55 53.2–.20 3S–2.0 130E–2.0 10 3.5,3.5
ISC Event type se.
ISC X 04 14 28 45.2–.38 3.66S–.03 129.61E–.03 26–2 5.2b,4.3s 683 0-157
BJI X 04 14 28 39.3 4.33S 129.85E 33 5.3b,5.0b **¶621118321**
MOS X 04 14 28 43.4–.79 3.73S 129.58E 27 5.5b,5.0b
GFZ X 04 14 28 44.3 3.59S 129.68E 25 5.2W,5.0b
NEIC X 04 14 28 45.5 3.66S 129.57E 22 5.2W,5.0b
NEIC X 04 14 28 45.4–1.3 3.66S–.05 129.57E–.06 22–4 5.2b,5.0b
NEIC X 04 14 28 45.9 3.66S 129.77E 26 5.1,5.0b
DJA X 04 14 28 45.3–.20 4S–1.0 130E–1.0 15–2 5.7b,5.5b
GFZ X 04 14 28 46.9–.24 4S–2.0 130E–2.0 34–2 5.6b,5.3L
IDC X 04 14 28 47.5–1.3 3.68S 129.70E 44–11 5.1L,4.9
GCMT X 04 14 28 48.6–.10 3.58S–.01 129.61E–.01 24–0 5.3W,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.68 $M_{\theta\theta}$-3.33 $M_{\phi\phi}$5.01 $M_{r\theta}$-0.16 $M_{\theta\phi}$5.55 $M_{\phi r}$1.60 NP1: ϕ_s162.03615°,δ88.03882°,λ-166.55952°. NP2:ϕ_s71.56756°,δ76.56754°,λ-2.01636°. Principal axes: T 7.9740,Plg8.0514°,Azm296.0305°; N -1.7092,Plg76.4198°,Azm170.1856° ; P -6.2648,Plg10.8629°,Azm27.5860° $M_0$7.27164×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ9 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.14 $M_{\theta\theta}$-3.45 $M_{\phi\phi}$5.58 $M_{r\theta}$-0.90 $M_{\theta\phi}$4.29 $M_{\phi r}$-0.22 NP1:ϕ_s157.31000°,δ78.22000° ,λ-172.77000°. NP2:ϕ_s65.83000°,δ82.92000°,λ-11.87000°. Principal axes: T 7.3240,Plg3.0000°,Azm112.0000°; N -1.9864,Plg76.0000°,Azm215.0000° ; P -5.3376,Plg13.0000°,Azm21.0000° $M_0$6.56000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110041428A. Moment Tensor Solution. s99,c155; s130,c228;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.02 $M_{\theta\theta}$-0.61±.01; $M_{\phi\phi}$0.73±.02; $M_{r\theta}$-0.02±.02; $M_{\theta\phi}$0.69±.01; $M_{\phi r}$0.10±.02; Best double couple: NP1:ϕ_s68.00000° ,δ84.00000°,λ0.00000°. NP2:ϕ_s338.00000°,δ90.00000°,λ174.00000°. Principal axes: T 1.0260,Plg4.0000°,Azm293.0000°; N -0.1230,Plg84.0000°,Azm157.0000° ; P -0.9030,Plg4.0000°,Azm23.0000° $M_0$9.96500×10^{17}
DJA X 07 12 06 42.1–.20 3S–2.0 130E–2.0 10 4.7b,4.5b
¶626703284

ISC X 07 17 02 38.3–1.1 2.80S–.07 129.57E–.04 10 18 0-65
IDC X 07 17 02 11.2–2.3 0.76S 128.71E 0 3.4b,3.3 **¶621217226**
DJA X 07 17 02 39.6–.30 3S–3.0 130E–2.0 10 3.0,3.0
ISC Event type se.
DJA X 10 04 35 42.4–.20 3S–2.0 130E–2.0 11–2 3.6,3.6
¶626703542

ISC X 17 22 04 31.2–.48 2.91S–.04 129.64E–.04 10 4.4b,3.5s 62 0-99
IDC X 17 22 04 29.9–.78 3.10S 129.64E 0 4.4,4.3b **¶621242905**
NEIC X 17 22 04 31.9–1.5 2.93S–.09 129.64E–.05 10–1 4.5b,4.3b
DJA X 17 22 04 33.8–.20 3S–3.0 129E–2.0 10 5.3b,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA X 13 00 34 36.6–.30 3S–4.0 129E–2.0 10 3.7,3.7
¶626703716

ISC X 15 07 44 54.6–.82 2.65S–.04 129.53E–.04 35 4.1b 30 0-90
IDC X 15 07 44 49.5–1.0 2.79S 129.36E 0 4.1b,4.1 **¶621242044**
DJA X 15 07 44 54.7–.40 3S–3.0 130E–2.0 28–4 4.2,4.2
ISC Event type se.
DJA X 21 15 38 32.5–.30 3S–2.0 129E–2.0 21–3 4.4b,3.6
¶626704220

ISC XI 01 12 40 13.6–.97 3.03S–.05 128.64E–.04 51 27 0-78
DJA XI 01 12 40 12.6–.40 3S–3.0 129E–2.0 14–4 3.5,3.5 **¶621401266**
IDC XI 01 12 40 16.4–3.7 3.14S 128.98E 75–38 3.9,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=13.7km az=81.0.
ISC X 26 01 44 31.2–.58 2.89S–.04 129.56E–.04 28 4.3b 60 0-99
IDC X 26 01 44 26.9–.97 2.79S 129.36E 0 4.1b,4.0L **¶621366451**
NEIC X 26 01 44 29.6–1.3 2.86S–.04 129.59E–.06 10–1 4.6b,4.0L
DJA X 26 01 44 30.5–.20 3S–2.0 130E–2.0 10 4.9b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XI 04 08 37 04.6–.20 3S–2.0 129E–2.0 10 4.7b,4.2
¶626705069

IDC XI 01 13 41 45.0–4.1 2.53S 130.51E 0 3.4b,3.3
¶621401270

IDC Error ellipse: s-maj=151.1km s-min=40.7km az=80.0.
ISC XI 01 20 41 37.4–1.4 2.90S–.05 129.34E–.03 18–7 4.0b 33 0-69
IDC XI 01 20 41 34.6–1.2 2.93S 129.26E 0 4.3L,4.0 ¶621401303
DJA XI 01 20 41 37.5–.20 3S–2.0 129E–2.0 10 3.9b,3.7
ISC Event type se.
ISC XI 05 09 32 18.4–.92 2.98S–.06 129.25E–.04 25–5 20 0-64
IDC XI 05 09 32 14.1–1.6 3.07S 129.24E 0 3.6L,3.6 ¶621413965
DJA XI 05 09 32 17.9–.30 3S–3.0 129E–3.0 10 3.4,3.4
ISC Event type se.
ISC XI 04 02 42 44.6–.36 2.95S–.02 129.32E–.02 27–2 5.6b,5.6s 1288 0-170
BJI XI 04 02 42 40.8 3.00S 129.30E 10 5.6b,5.5s ¶621261745
IDC XI 04 02 42 40.2–.31 3.01S 129.31E 0 5.5L,5.3s
MOS XI 04 02 42 40.4–.86 2.97S 129.29E 11 5.7b,5.3s
IPGP XI 04 02 42 42.0 2.93S 129.35E 17 5.9W,5.3s
NEIC XI 04 02 42 42.4 2.94S 129.35E 10 5.9W,5.3s
GFZ XI 04 02 42 43.6–.16 3S–3.0 129E–2.0 10 6.1b,5.8L
GFZ XI 04 02 42 43.4 2.99S 129.30E 21 5.7W,5.8L
DJA XI 04 02 42 43.9–.10 3S–1.0 129E–1.0 12 6.2b,6.0
ISC-P XI 04 02 42 44 2.95S 129.34E 30–0 6.1,6.0
NEIC XI 04 02 42 44 2.95S 129.33E 18 6.1,6.0
NEIC XI 04 02 42 44.0–1.6 2.95S–.05 129.34E–.05 18–1 5.7b,5.6
PTWC XI 04 02 42 45 3.00S 129.40E 5.9,5.6
GCMT XI 04 02 42 48.3–.10 2.85S 129.28E 21–0 5.8W,5.6
NEIC XI 04 02 42 52 2.84S 129.05E 26 5.7,5.6
ISC Event type se.
IDC Error ellipse: s-maj=9.9km s-min=7.8km az=78.0.
MOS Error ellipse: s-maj=7.6km s-min=4.4km az=116.1.
IPGP Moment Tensor Solution. NP1:ϕ_s89.00000°,δ35.00000°,λ62.00000°. NP2:ϕ_s301.00000° ,δ60.00000°,λ108.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.08 $M_{\theta\theta}$-4.28 $M_{\phi\phi}$1.20 $M_{r\theta}$-1.53 $M_{\theta\phi}$1.06 $M_{\phi r}$1.83 NP1: ϕ_s73.47819°,δ38.76153°,λ45.89423°. NP2:ϕ_s304.66199°,δ63.28448°,λ119.19722°. Principal axes: T 4.2650,Plg60.3728°,Azm258.9092°; N 0.6575,Plg25.8326°,Azm110.5598° ; P -4.9224,Plg13.5023°,Azm13.8842° $M_0$4.62884×10^{17}
ISC-P Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}0.60±.14 $M_{\theta\theta}$-0.55±.15; $M_{\phi\phi}$-0.03±.17; $M_{r\theta}$-0.24±.13; $M_{\theta\phi}$0.18±.13; $M_{\phi r}$0.27±.23; NP1:ϕ_s300.00000°,δ57.70000° ,λ98.10000°. NP2:ϕ_s105.10000°,δ33.20000°,λ77.40000°. $M_0$1.95000×10^{18}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.4km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.88 $M_{\theta\theta}$-2.30 $M_{\phi\phi}$0.42 $M_{r\theta}$-0.85 $M_{\theta\phi}$0.21 $M_{\phi r}$1.87 NP1:ϕ_s307.04000°,δ66.91000°,λ121.73000°. NP2:ϕ_s69.42000°,δ38.52000° ,λ39.02000°. Principal axes: T 3.2198,Plg56.0000°,Azm259.0000°; N -0.6183,Plg29.0000° ,Azm113.0000°; P -2.6015,Plg16.0000°,Azm14.0000° $M_0$2.96000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111040242A. Moment Tensor Solution. s159,c344; s152,c339;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}4.28±.05 $M_{\theta\theta}$-5.80±.04; $M_{\phi\phi}$1.52±.05; $M_{r\theta}$-2.56±.09; $M_{\theta\phi}$1.34±.03; $M_{\phi r}$3.64±.11; Best double couple: NP1:ϕ_s72.00000° ,δ37.00000°,λ40.00000°. NP2:ϕ_s308.00000°,δ67.00000°,λ120.00000°. Principal axes: T 6.9450,Plg57.0000°,Azm258.0000°; N 0.0720,Plg27.0000°,Azm116.0000° ; P -7.0170,Plg17.0000°,Azm16.0000° $M_0$6.98100×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}3.42 $M_{\theta\theta}$-2.57 $M_{\phi\phi}$-0.85 $M_{r\theta}$-1.92 $M_{\theta\phi}$1.64 $M_{\phi r}$-0.61 NP1:ϕ_s139.41000°,δ37.61000° ,λ122.25000°. NP2:ϕ_s280.87000°,δ58.93000°,λ67.66000°. Principal axes: T 4.2139,Plg68.0000°,Azm146.0000°; N -0.3864,Plg19.0000°,Azm293.0000° ; P -3.8274,Plg11.0000°,Azm27.0000° $M_0$4.03000×10^{17}
DJA XI 04 02 50 50.6–.40 3S–4.0 129E–3.0 15–5 4.1,4.1
¶626705094
DJA XI 05 18 51 34.1–.20 3S–2.0 129E–2.0 10 2.9,2.9
¶635869737
DJA XI 05 11 31 58.9–.20 3S–2.0 129E–2.0 10 3.6b,3.6
¶626705125
DJA XI 07 13 41 17.4–.20 3S–2.0 129E–2.0 10 4.1b,3.7
¶626705189
ISC XI 07 16 28 19.3–.69 2.84S–.03 129.42E–.03 30–5 4.6b,3.5s 387 0-154
IDC XI 07 16 28 15.1–.44 2.93S 129.43E 0 4.7L,4.5 ¶621372474
NEIC XI 07 16 28 17.1–1.6 2.90S–.06 129.39E–.06 10–1 4.7b,4.5
DJA XI 07 16 28 18.7–.30 3S–1.0 129E–1.0 14–2 5.2b,5.0b
GFZ XI 07 16 28 19.7–.14 3S–2.0 130E–2.0 46 5.1b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DJA XI 07 16 43 08.2–.20 3S–2.0 129E–2.0 10 3.9b,3.5
¶626705187
DJA XI 10 10 10 03.2–.20 3S–3.0 129E–2.0 10 4.5b,4.2b
¶626705283
IDC XI 30 12 56 26.6–3.7 3.01S 128.33E 75–31 3.8,3.5b
¶621627059
IDC Error ellipse: s-maj=38.3km s-min=14.4km az=96.0.
DJA XI 29 06 25 57.0–.50 4S–4.0 129E–3.0 129–7 3.8,3.8
¶626705907
ISC XI 29 21 00 58.7–.94 2.92S–.04 130.33E–.04 24 35 1-65
IDC XI 29 21 00 55.1–2.4 2.97S 130.07E 0 3.6L,3.5b ¶621626992
DJA XI 29 21 01 01.1–.30 3S–2.0 130E–2.0 38–7 4.2b,4.0
ISC Event type se.
ISC XI 30 18 30 14.8–.58 2.97S–.05 130.39E–.05 24 4.2b 74 1-87
IDC XI 30 18 30 13.4–1.6 3.03S 129.88E 0 4.0L,3.9b ¶621627081
NEIC XI 30 18 30 13.4–.76 3.01S–.03 130.41E–.05 10–1 4.3b,3.9b
DJA XI 30 18 30 16.3–.70 3S–2.0 130E–2.0 16–6 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 04 04 53 47.4–.44 2.86S–.04 129.90E–.04 25 4.5b,4.2s 101 1-154
IDC XII 04 04 53 43.3–.65 2.81S 129.99E 0 4.3b,4.3 ¶621630636
NEIC XII 04 04 53 45.8–1.7 2.83S–.07 129.95E–.07 10–1 4.5b,4.3
DJA XII 04 04 53 46.7–.10 3S–1.0 130E–1.0 10 5.1b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 04 06 05 28.7–.72 2.78S–.05 129.93E–.04 25 3.9b 44 1-74
IDC XII 04 06 05 24.9–1.3 2.66S 130.23E 0 4.0L,4.0b ¶621630644
DJA XII 04 06 05 28.3–.20 3S–2.0 130E–2.0 10 5.2b,4.6
ISC Event type se.
ISC XII 05 05 19 47.9–1.4 3.54S–.05 129.48E–.04 7–10 4.1b 42 0-80
IDC XII 05 05 19 46.7–1.6 3.37S 129.83E 0 4.0b,4.0 ¶621631226
DJA XII 05 05 19 48.5–.30 3S–4.0 130E–3.0 10 3.9,3.9
NEIC XII 05 05 19 51.0–1.2 3.61S–.08 129.48E–.08 24–6 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 22 55 33.2–.56 3.93S–.05 129.05E–.06 100 4.3b 61 1-69
NEIC XII 12 22 55 35.1–1.5 3.85S–.08 129.08E–.03 112–10 4.4b ¶621650540
DJA XII 12 22 55 35.8–.20 4S–3.0 129E–3.0 114–4 4.4b,4.3
IDC XII 12 22 55 41.4–4.7 4.09S 128.74E 174–41 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=4.5km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.1km s-min=11.6km az=68.0.
DJA XII 07 23 59 47.1–.20 3S–2.0 129E–2.0 10 4.7b,3.9
¶626706518
DJA XII 13 21 09 02.3–.30 3S–3.0 129E–1.0 11–2 3.6,3.5
¶626706639
ISC XII 15 00 50 38.5–.82 3.09S–.05 129.96E–.03 25 36 0-31
IDC XII 15 00 50 28.8–9.8 2.40S 130.17E 0 4.1b,4.0L ¶621654063
DJA XII 15 00 50 38.9–.20 3S–2.0 130E–1.0 10 4.1,4.0
ISC Event type se.
IDC XII 18 16 32 32.3–1.6 3.13S 130.39E 0 3.9b,3.9
¶621657015
IDC Error ellipse: s-maj=53.5km s-min=19.3km az=98.0.
ISC XII 25 10 28 07.4–.62 2.73S–.05 129.47E–.04 10 4.0b 50 0-97
IDC XII 25 10 28 05.3–1.2 2.74S 129.63E 0 4.0s,3.9b ¶621700147
NEIC XII 25 10 28 06.4–1.3 2.89S–.05 129.52E–.06 10–1 4.4b,3.9b
DJA XII 25 10 28 09.2–.20 3S–2.0 129E–2.0 10 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 11 11 58.9–.70 2.95S–.04 129.75E–.04 28 4.0b,3.3s 47 0-75
IDC XII 20 11 11 51.1–.72 3.30S 130.25E 0 4.0b,4.0 ¶621685607
DJA XII 20 11 11 59.1–.30 3S–2.0 130E–1.0 18–3 5.2b,4.8b
ISC Event type se.
ISC XII 20 06 54 59.1–.79 2.92S–.05 129.59E–.03 28 3.6b 29 0-69
IDC XII 20 06 54 55.3–1.2 2.94S 129.54E 0 3.6b,3.6 ¶621685592
DJA XII 20 06 54 58.4–.40 3S–4.0 130E–2.0 10–4 3.5,3.4
ISC Event type se.
ISC XII 22 04 09 40.9–.54 3.98S–.05 129.07E–.04 32 4.2b 42 1-159
IDC XII 22 04 09 37.0–1.1 3.96S 128.90E 0 3.8b,3.7 ¶621686742
DJA XII 22 04 09 38.8–.40 4S–4.0 129E–3.0 10 3.5,3.5
NEIC XII 22 04 09 44.7–1.9 3.86S–.08 129.20E–.07 51–8 4.4b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 25 12 58 02.4–.20 3S–2.0 129E–2.0 10 4.1b,3.9
¶626707281
IDC XII 25 21 00 34.3–1.3 3.31S 130.26E 0 4.0L,3.9b
¶621700172
IDC Error ellipse: s-maj=47.3km s-min=17.0km az=99.0.
ISC XII 25 21 48 53.9–.33 2.81S–.03 129.40E–.03 10 4.6b,3.6s 222 0-99
IDC XII 25 21 48 52.3–.65 2.86S 129.33E 0 4.4,4.3L ¶621653480
GFZ XII 25 21 48 54.4–.17 3S–2.0 129E–2.0 10 6.7,6.6
NEIC XII 25 21 48 54.2–1.3 2.86S–.06 129.39E–.06 10–1 4.8b,6.6
DJA XII 25 21 48 55.7–.10 3S–2.0 129E–1.0 10 5.2b,5.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 01 20 28.5–.89 3.42S–.04 127.29E–.04 72–8 4.3b 125 0-125
DJA XII 30 01 20 28.4–.40 3S–3.0 127E–2.0 31–6 5.3b,4.8b ¶621657278
IDC XII 30 01 20 30.2–1.6 3.41S 127.47E 90–15 4.3,3.9b
NEIC XII 30 01 20 31.1–1.1 3.37S–.05 127.44E–.07 93–7 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 28 18 18 53.5–13 3.28S 129.08E 0 3.7b,3.6
¶621717407
IDC Error ellipse: s-maj=199.3km s-min=153.3km az=128.0.
ISC XII 26 11 35 10.0–1.2 2.76S–.06 129.41E–.03 28 21 0-5
DJA XII 26 11 35 08.9–.20 3S–3.0 129E–2.0 10 3.6,3.6 ¶626707304
ISC Event type se.
ISC XII 27 21 33 34.2–.89 3.10S–.05 128.96E–.04 33 23 0-64
IDC XII 27 21 33 29.4–1.7 3.15S 128.72E 0 3.6L,3.5 ¶621717340
DJA XII 27 21 33 33.9–.40 3S–3.0 129E–3.0 24–5 3.7b,3.6
ISC Event type se.
DJA XII 30 15 20 56.0–.20 4S–2.0 129E–2.0 10 4.0b,3.7
¶626707417
IDC XII 30 18 50 15.2–3.8 2.89S 129.03E 57–38 4.0,3.9L
¶621726023
IDC Error ellipse: s-maj=32.3km s-min=12.4km az=78.0.
ISC XII 30 19 05 11.6–.84 3.59S–.04 128.80E–.03 10 37 0-69
IDC XII 30 19 05 05.5–5.0 2.67S 131.33E 0 3.6L,3.6 ¶626707409
DJA XII 30 19 05 12.1–.20 4S–2.0 129E–1.0 10 3.8,3.7
ISC Event type se.

SEISMIC REGION 24.
Sunda Arc.

(273) Southwest of Sumatera.

DJA VII 04 15 17 03.0–.30 6S–2.0 101E–2.0 10 5.8b,5.3
¶626066160
ISC VII 09 20 36 58.5–1.8 6.31S–.05 103.44E–.05 17–10 4.2b 86 1-146
IDC VII 09 20 36 57.4–1.4 6.30S 103.40E 0 3.9L,3.7b ¶620928281
NEIC VII 09 20 37 01.5–2.3 6.40S–.08 103.44E–.09 35–2 4.3b,3.7b
DJA VII 09 20 37 02.9–.80 6S–3.0 104E–3.0 10–5 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 02 25 34.5–.41 6.55S–.06 103.89E–.05 50–3 4.7b,3.8s 224 1-146
IDC VII 18 02 25 28.3–.82 6.40S 103.88E 0 4.7L,4.5b ¶620833221
DJA VII 18 02 25 30.8–.40 7S–4.0 104E–3.0 10 5.8b,5.4
GFZ VII 18 02 25 33.9–.28 6S–3.0 104E–2.0 51–2 5.2b,4.8b
BJI VII 18 02 25 34.0 6.40S 104.00E 50 4.9b,4.9b
NEIC VII 18 02 25 35.3–1.2 6.4S–.10 103.9E–.10 46–9 4.9b,4.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 18 49 31.7–1.7 6.35S–.06 103.73E–.05 14–9 4.1b 70 1-145
IDC VII 30 18 49 30.6–2.0 6.25S 103.80E 0 3.9b,3.9 ¶620986084
NEIC VII 30 18 49 36.6–1.6 6.3S–.20 103.9E–.10 46–11 4.2b,3.9
DJA VII 30 18 49 38.2–.30 6S–2.0 104E–2.0 10 3.7,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VIII 04 16 20 41.4–1.6 0S–5.0 96E–6.0 29–21 5.4b,4.8
¶626187792
ISC VIII 04 02 38 32.1–.72 7.50S–.07 103.78E–.07 35 4.3b 73 2-146
NEIC VIII 04 02 38 27.8–1.2 7.66S–.08 103.8E–.10 10–1 4.4b ¶620997278
IDC VIII 04 02 38 28.8–1.7 7.38S 103.76E 0 4.2L,4.1b
DJA VIII 04 02 38 31.0–1.1 7S–7.0 104E–7.0 31–27 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 13 16 22.9–.72 6.51S–.07 103.71E–.06 35 4.3b 82 1-146
DJA VIII 16 13 16 20.4–.40 7S–3.0 104E–3.0 10 4.1,4.1 ¶621030177
IDC VIII 16 13 16 21.2–2.6 5.98S 103.93E 0 4.4L,4.1b
NEIC VIII 16 13 16 28.5–.94 6.01S–.09 104.1E–.10 56–9 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 05 06 26.0–.55 6.51S–.07 103.71E–.07 35 4.3b,3.9s 89 1-150
DJA VIII 23 05 06 21.5–.40 7S–3.0 104E–3.0 10 6.6b,6.4 ¶621049193
IDC VIII 23 05 06 21.4–1.2 6.29S 103.78E 0 4.2b,4.2
NEIC VIII 23 05 06 27.3–.83 6.23S–.08 103.79E–.09 35–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 14 01 01.1–.68 4.28S–.07 100.93E–.07 10 4.3b 77 1-94
IDC VIII 16 14 00 59.9–1.8 4.18S 100.96E 0 3.9b,3.9 ¶621030186
DJA VIII 16 14 01 01.2–.40 4S–4.0 101E–3.0 10 6.0b,4.8
NEIC VIII 16 14 01 02.9–.80 4.2S–.10 100.9E–.10 15–2 4.5b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**23 09 16 12.9–1.1**	**0.06S–.06**	**97.13E–.08**	**22**	**3.7b**	**34**	**1-145**	
DJA	IX	23 09 16 10.7–.50	0S–3.0	97E–4.0	10	3.7,3.7			¶621125841
IDC	IX	23 09 16 10.0–1.6	0.11S	97.14E	0	4.7L,3.7b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=45.8km s-min=20.3km az=64.0.							
ISC	**IX**	**07 02 49 58.7–.36**	**6.25S–.06**	**103.57E–.06**	**35**	**4.7b**	**112**	**4-144**	
BJI	IX	07 02 49 57.0	6.30S	103.50E	35	5.1b,4.8b			¶621039494
NEIC	IX	07 02 49 59.3–1.7	6.24S–.05	103.55E–.08	35–1	4.8b,4.8b			
IDC	IX	07 02 50 02.9–2.8	6.16S	103.72E	72–24	4.3,4.0b			
ISC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=12.9km s-min=7.8km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=19.4km s-min=10.7km az=47.0.							
ISC	**IX**	**18 03 44 48.7–.40**	**7.77S–.05**	**104.29E–.05**	**10**	**4.9b,3.9s**	**268**	**2-152**	
DJA	IX	18 03 44 46.8–.60	8S–5.0	104E–4.0	10	6.1b,5.7			¶621082844
IDC	IX	18 03 44 47.2–.51	7.68S	104.27E	0	4.6,4.5b			
GFZ	IX	18 03 44 48.8–.25	8S–3.0	104E–2.0	10	5.3b,5.0b			
NEIC	IX	18 03 44 49.1–2.1	7.71S–.06	104.27E–.07	10–1	4.9b,5.0b			
ISC		Event type se.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**20 15 10 37.6–.72**	**6.42S–.08**	**103.64E–.07**	**35**	**4.0b**	**70**	**1-146**	
IDC	IX	20 15 10 32.3–1.3	6.42S	103.60E	0	3.9b,3.9			¶621115997
DJA	IX	20 15 10 37.5–2.4	6S–4.0	104E–4.0	19–22	5.3b,4.7			
NEIC	IX	20 15 10 38.1–1.4	6.4S–.10	103.63E–.09	35–2	4.5b,4.7			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**19 21 20 30.8–.60**	**5.24S–.08**	**101.13E–.06**	**22**	**4.2b**	**102**	**2-146**	
DJA	IX	19 21 20 27.7–.30	5S–3.0	101E–2.0	10	6.0b,5.6			¶621113645
NEIC	IX	19 21 20 29.6–1.3	5.27S–.08	101.08E–.07	10–1	4.3b,5.6			
IDC	IX	19 21 20 36.1–5.1	5.09S	101.28E	59–44	4.4L,3.9			
ISC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=14.3km s-min=12.0km az=25.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=42.9km s-min=16.8km az=55.0.							
ISC	**X**	**11 19 17 00.7–.83**	**1.07S–.06**	**97.35E–.08**	**23**	**4.0b**	**45**	**1-146**	
IDC	X	11 19 16 57.0–1.9	1.19S	97.04E	0	3.8b,3.7			¶621236900
NEIC	X	11 19 17 00.3–2.2	0.9S–.10	97.4E–.20	10–1	4.4b,3.7			
DJA	X	11 19 17 02.2–2.1	1S–6.0	97E–18	33–62	4.2,4.2			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**24 05 49 50.2–1.4**	**0.35S–.06**	**97.40E–.10**	**10**	**4.0b,3.6s**	**40**	**1-145**	
DJA	IX	24 05 49 51.1–1.3	0S–7.0	97E–9.0	82–18	4.1,4.1			¶621126410
IDC	IX	24 05 49 55.8–1.6	0.75S	98.10E	0	4.1L,3.8b			
NEIC	IX	24 05 49 58.2–.99	0.64S–.09	98.1E–.10	10–2	4.0b,3.8b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**14 16 44 28.8–1.2**	**0.03S–.05**	**97.73E–.07**	**37–2**	**3.7b**	**75**	**1-144**	
DJA	X	14 16 44 29.1–.30	0N–2.0	98E–2.0	34–5	4.2b,4.0			¶621240646
IDC	X	14 16 44 39.2–4.3	0.38N	98.44E	104–29	3.5,3.3b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=55.1km s-min=17.8km az=61.0.							
DJA	**XI**	**29 01 38 50.6–.80**	**5S–6.0**	**100E–5.0**	**10**	**5.0b,4.3**			¶626705911
IDC	**XI**	**01 21 31 18.9–8.0**	**0.08S**	**96.35E**	**0**	**3.7b,3.7**			¶621401308
IDC		Error ellipse: s-maj=371.7km s-min=25.9km az=55.0.							
ISC	**XI**	**16 19 03 13.9–1.5**	**7.57S–.05**	**104.80E–.04**	**26–12**	**4.0b**	**109**	**1-72**	
NEIC	XI	16 19 03 11.8–2.0	7.56S–.06	104.81E–.03	10–1	4.3b			¶621475687
DJA	XI	16 19 03 15.1–.40	8S–4.0	105E–3.0	10	5.0b,4.8b			
IDC	XI	16 19 03 18.4–2.0	6.19S	105.09E	0	4.1L,3.8			
ISC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=10.6km s-min=4.7km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=63.9km s-min=13.9km az=38.0.							
ISC	**XI**	**22 00 23 42.4–.52**	**7.90S–.06**	**104.44E–.05**	**10**	**4.6b**	**216**	**2-146**	
BJI	XI	22 00 23 38.6	8.38S	104.29E	18	4.8b,4.7b			¶621428024
GFZ	XI	22 00 23 40.4–.35	8S–4.0	104E–3.0	10	5.7b,5.2			
NEIC	XI	22 00 23 41.6–1.1	8.07S–.07	104.37E–.05	10–1	4.5b,5.2			
IDC	XI	22 00 23 41.7–.72	7.79S	104.44E	0	4.6L,4.3b			
DJA	XI	22 00 23 44.6–.70	8S–6.0	104E–5.0	47–37	5.5b,5.0b			
ISC		Event type se.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XI**	**01 20 16 39.4–1.9**	**0.1S–.20**	**96.3E–.30**	**35**	**3.4b**	**6**	**4-55**	
IDC	XI	01 20 16 33.1–1.9	0.30S	96.05E	0	3.5L,3.5b			¶621401301
ISC		Event type se.							
IDC		Error ellipse: s-maj=42.7km s-min=25.0km az=65.0.							
ISC	**XI**	**22 10 10 09.1–1.6**	**8.2S–.20**	**104.4E–.10**	**35**	**3.6b**	**7**	**3-63**	
IDC	XI	22 10 10 02.5–2.1	8.40S	104.11E	0	3.7L,3.6b			¶621611905
ISC		Event type se.							
IDC		Error ellipse: s-maj=48.9km s-min=23.6km az=31.0.							
ISC	**XI**	**26 15 53 36.3–.54**	**8.08S–.06**	**104.35E–.05**	**10**	**4.1b**	**81**	**2-146**	
IDC	XI	26 15 53 36.5–1.2	7.98S	104.28E	0	3.8L,3.8b			¶621622011
NEIC	XI	26 15 53 36.1–1.5	8.13S–.06	104.27E–.07	10–1	4.7b,3.8b			
DJA	XI	26 15 53 36.4–.50	8S–4.0	104E–4.0	10	4.4b,4.2			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XI**	**28 09 00 00.1–1.1**	**0.96S–.06**	**97.90E–.10**	**26**	**3.6b**	**42**	**1-145**	
IDC	XI	28 08 59 55.8–3.0	1.15S	97.77E	0	3.5b,3.5			¶621625170
DJA	XI	28 08 59 56.8–1.5	1S–4.0	98E–7.0	12–10	4.0,4.0			
ISC		Event type se.							
DJA	**XI**	**30 13 36 34.1–.30**	**7S–3.0**	**105E–2.0**	**10**	**4.0b,3.8**			¶626706399
ISC	**XI**	**30 00 41 43.9–1.2**	**2.42S–.09**	**94.6E–.10**	**10**	**3.6b**	**37**	**4-148**	
DJA	XI	30 00 41 38.1–2.3	3S–9.0	94E–19	10	5.6b,5.2			¶621627002
IDC	XI	30 00 41 42.6–2.9	2.38S	94.82E	0	3.6,3.5b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=101.6km s-min=24.4km az=61.0.							
ISC	**XI**	**30 17 24 51.2–1.6**	**7.04S–.09**	**104.86E–.07**	**54–16**	**3.8b**	**52**	**1-67**	
IDC	XI	30 17 24 45.3–3.6	6.50S	105.39E	0	3.7b,3.7			¶621627075
DJA	XI	30 17 24 49.0–.30	7S–3.0	105E–2.0	10	3.7,3.7			
ISC		Event type se.							
ISC	**XI**	**30 17 54 22.1–2.8**	**7.22S–.04**	**104.73E–.04**	**14–18**	**4.1b**	**108**	**1-145**	
IDC	XI	30 17 54 20.1–1.4	7.08S	104.65E	0	4.1L,3.9			¶621627079
NEIC	XI	30 17 54 21.3–2.1	7.27S–.03	104.66E–.07	10–1	4.3b,3.9			
DJA	XI	30 17 54 25.8–.60	7S–3.0	105E–2.0	11–5	4.2b,4.0			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XII**	**11 22 36 02.5–1.1**	**5.01S–.06**	**101.87E–.06**	**10**	**3.4b**	**51**	**1-60**	
IDC	XII	11 22 35 59.1–4.9	5.22S	101.45E	0	3.4b,3.4			¶621644225
DJA	XII	11 22 36 04.1–.50	5S–2.0	102E–2.0	13–4	4.0,4.0			
ISC		Event type se.							
IDC	**XII**	**14 02 26 03.4–354**	**1.03S**	**97.92E**	**0**				¶621652857
IDC		Error ellipse: s-maj=732.0km s-min=7.5km az=55.0.							
ISC	**XII**	**20 00 36 47.6–4.8**	**7.1S–.80**	**105.0E–.80**	**23**	**3.7b**	**6**	**11-145**	
IDC	XII	20 00 36 44.1–5.0	7.05S	104.75E	0	3.6b,3.6			¶621685577
ISC		Event type se.							
IDC		Error ellipse: s-maj=179.9km s-min=65.7km az=44.0.							
ISC	**XII**	**17 07 11 21.5–1.4**	**5.7S–.20**	**101.6E–.30**	**24**	**4.0b**	**25**	**6-146**	
IDC	XII	17 07 11 18.6–2.6	5.57S	101.69E	0	3.8b,3.8			¶621656921
NEIC	XII	17 07 11 19.7–.87	5.71S–.08	101.4E–.10	10–2	4.3b,3.8			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							

(274) Southern Sumatera.

ISC	**VII**	**01 01 50 06.0–.33**	**5.56S–.04**	**104.58E–.03**	**10**	**4.4b,3.9s**	**248**	**0-146**	
IDC	VII	01 01 50 04.7–.56	5.31S	104.61E	0	4.2L,4.1b			¶620669124
GFZ	VII	01 01 50 08.5–.65	6S–4.0	105E–3.0	30–6	4.8b,4.6			
DJA	VII	01 01 50 08.9–.20	6S–3.0	105E–2.0	10	5.2b,4.8			
NEIC	VII	01 01 50 10.1–1.8	5.44S–.04	104.65E–.05	41–7	4.6b,4.8			
BJI	VII	01 01 50 11.3	5.47S	104.30E	57	4.7b,4.6b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=24.2km s-min=11.0km az=48.0.							
GFZ		Error ellipse: s-maj=8.9km s-min=4.3km az=34.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC		Event type se. Error ellipse: s-maj=7.5km s-min=5.1km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
DJA	**VII**	**01 03 24 48.1–.40**	**2S–3.0**	**101E–4.0**	**11–3**	**5.2b,5.2b**			¶626065971
DJA	**VII**	**01 03 26 00.9–.90**	**6S–6.0**	**105E–4.0**	**10**	**1.2,1.2**			¶626065970
ISC	**VII**	**01 03 43 30.0–.39**	**5.57S–.04**	**104.60E–.03**	**10**	**4.3b,3.5s**	**188**	**0-146**	
GFZ	VII	01 03 43 30.8–.21	6S–3.0	105E–3.0	10	4.5b,4.5			¶620669130
DJA	VII	01 03 43 32.7–.20	6S–3.0	105E–2.0	10	5.6b,5.0			
NEIC	VII	01 03 43 34.1–1.8	5.35S–.05	104.75E–.06	38–6	4.6b,5.0			
IDC	VII	01 03 43 40.4–2.0	5.33S	104.72E	98–17	4.1,3.8b			
ISC		Event type se.							
GFZ		Error ellipse: s-maj=8.5km s-min=3.2km az=35.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC		Event type se. Error ellipse: s-maj=10.4km s-min=5.5km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC		Error ellipse: s-maj=24.9km s-min=9.6km az=52.0.							
ISC	**VII**	**01 12 27 29.6–.46**	**5.69S–.06**	**104.51E–.05**	**10**	**4.4b,3.5s**	**124**	**0-146**	
IDC	VII	01 12 27 26.9–.51	5.35S	104.57E	0	4.2b,4.1			¶620927668
NEIC	VII	01 12 27 31.6–2.3	5.41S–.09	104.65E–.05	25–5	4.5b,4.1			
DJA	VII	01 12 27 32.0–.20	6S–3.0	105E–2.0	10	5.4b,4.8			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**01 12 29 43.8–.86**	**5.58S–.05**	**104.62E–.04**	**18–5**	**3.9b,3.6s**	**41**	**0-95**	
IDC	VII	01 12 29 40.1–1.1	5.35S	104.50E	0	3.8b,3.8			¶620927669
DJA	VII	01 12 29 44.9–.20	6S–2.0	105E–2.0	5	4.0,4.0			
ISC		Event type se.							
ISC	**VII**	**01 13 40 16.6–.76**	**5.58S–.04**	**104.60E–.03**	**16–5**	**4.0b**	**72**	**0-144**	
IDC	VII	01 13 40 13.3–.75	5.36S	104.57E	0	3.9b,3.9			¶620927672
DJA	VII	01 13 40 17.3–.20	6S–2.0	105E–2.0	3	4.2,4.2			
ISC		Event type se.							
ISC	**VII**	**01 13 41 16.5–.91**	**5.54S–.05**	**104.61E–.05**	**17–6**	**4.2b**	**28**	**0-144**	
IDC	VII	01 13 41 14.5–1.9	5.12S	104.85E	0	4.2b,4.2			¶620927673
DJA	VII	01 13 41 17.5–.30	6S–3.0	105E–2.0	10	4.1,4.1			
ISC		Event type se.							
ISC	**VII**	**01 18 59 51.1–.35**	**5.55S–.03**	**104.62E–.03**	**10**	**4.4b,3.6s**	**219**	**0-146**	
IDC	VII	01 18 59 49.3–.56	5.47S	104.58E	0	4.0b,4.0			¶620682301
DJA	VII	01 18 59 54.4–.20	6S–3.0	105E–2.0	10	5.6b,5.0			
NEIC	VII	01 18 59 56.0–1.9	5.41S–.05	104.70E–.05	38–6	4.5b,5.0			
GFZ	VII	01 18 59 55.9–.26	5S–4.0	105E–4.0	47–2	4.6b,4.5			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**VII**	**01 19 03 42.1–.90**	**5.54S–.06**	**104.56E–.04**	**16–6**	**3.6b**	**42**	**0-144**	
IDC	VII	01 19 03 37.9–1.5	5.62S	104.32E	0	3.6b,3.6			¶620927688
DJA	VII	01 19 03 43.3–.20	6S–3.0	105E–2.0	10	3.8,3.8			
ISC		Event type se.							
ISC	**VII**	**01 20 42 00.4–.85**	**5.58S–.04**	**104.60E–.04**	**15–5**	**3.9b**	**72**	**0-144**	
IDC	VII	01 20 41 55.1–1.1	5.59S	104.07E	0	4.3L,3.7			¶620927694
DJA	VII	01 20 42 01.8–.20	6S–2.0	105E–2.0	10	4.6b,4.1			
NEIC	VII	01 20 42 05.7–2.1	5.6S–.30	104.4E–.20	78–10	4.3b,4.1			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**03 13 09 46.3–.25**	**4.23S–.03**	**102.44E–.03**	**59–1**	**5.3b,4.3s**	**1025**	**0-176**	
BJI	VII	03 13 09 44.5	4.20S	102.40E	60	5.3b,5.3b			¶620733417
MOS	VII	03 13 09 44.7–.97	4.04S	102.57E	54	5.6b,4.6s			
DJA	VII	03 13 09 46.7–.10	4S–2.0	102E–1.0	60–1	5.5b,5.5			
IDC	VII	03 13 09 46.4–1.8	4.15S	102.49E	59–14	5.1,4.9b			
NEIC	VII	03 13 09 46.4–2.2	4.20S–.06	102.42E–.06	56–4	5.3b,5.1			
GFZ	VII	03 13 09 47.1–.34	4S–3.0	102E–3.0	61–3	5.3b,5.1			
GFZ	VII	03 13 09 47.5	4.23S	102.46E	62	4.9W,5.1			
GCMT	VII	03 13 09 48.7–.30	4.49S–.02	102.29E–.03	56–1	5.1W,5.1			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GFZ		smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.51 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$-0.57 $M_{r\theta}$1.63 $M_{\theta\phi}$1.28 $M_{\phi r}$-1.12 NP1: ϕ_s125.16602°,δ69.15243°,λ84.55458°. NP2:ϕ_s320.16139°,δ21.51634°,λ103.99289°. Principal axes: T 2.4006,Plg65.4333°,Azm25.8778°; N 0.5229,Plg5.0879°,Azm127.1091° ; P -2.9235,Plg23.9653°,Azm219.3772° $M_0$2.70029×10^{16}								
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107031309A. Moment Tensor Solution. s58,c67; s83,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.26±.25 $M_{\theta\theta}$-3.23±.16; $M_{\phi\phi}$-2.03±.19; $M_{r\theta}$1.26±.12; $M_{\theta\phi}$2.05±.10; $M_{\phi r}$-0.82±.15; Best double couple: NP1:ϕ_s308.00000°,δ37.00000° ,λ92.00000°. NP2:ϕ_s126.00000°,δ53.00000°,λ89.00000°. Principal axes: T 5.4810,Plg82.0000°,Azm30.0000°; N -0.4960,Plg1.0000°,Azm127.0000° ; P -4.9850,Plg8.0000°,Azm217.0000° $M_0$5.23300×10^{16}								
ISC	**VII**	**06 17 16 06.6–1.2**	**2.03S–.04**	**99.73E–.05**	**43–11**	**4.0b**	**111**	**0-145**	
IDC	VII	06 17 16 01.6–1.6	1.93S	99.91E	0	4.0b,4.0			¶620928051
NEIC	VII	06 17 16 02.9–1.9	2.16S–.09	99.61E–.09	17–4	4.0b,4.0			
DJA	VII	06 17 16 05.9–.30	2S–2.0	100E–2.0	26–3	4.3b,4.2			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**07 23 23 45.6–1.6**	**4.55S–.09**	**102.23E–.09**	**53–13**	**4.1b**	**56**	**1-146**	
IDC	VII	07 23 23 38.4–2.6	4.60S	101.57E	0	3.8b,3.8			¶620928146
DJA	VII	07 23 23 46.1–.60	5S–3.0	102E–3.0	22–4	3.7,3.7			
NEIC	VII	07 23 23 47.2–2.7	4.4S–.10	102.31E–.09	53–7	4.2b,3.7			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**09 12 55 27.1–.68**	**2.51S–.07**	**99.68E–.08**	**32**	**4.2b**	**66**	**0-145**	
IDC	VII	09 12 55 22.1–1.7	2.46S	99.67E	0	4.0b,4.0			¶620928264
NEIC	VII	09 12 55 25.1–1.4	2.46S–.07	99.73E–.09	10–1	4.6b,4.0			
DJA	VII	09 12 55 26.6–.80	3S–4.0	100E–6.0	30–8	4.7b,4.2			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**10 16 21 34.8–.86**	**3.76S–.06**	**102.20E–.06**	**86–6**	**3.6b**	**59**	**0-145**	
IDC	VII	10 16 21 23.1–2.6	3.83S	101.98E	0	3.6b,3.6			¶620928366
DJA	VII	10 16 21 36.3–.20	4S–3.0	102E–3.0	64–4	3.9b,3.9			
ISC		Event type se.							
ISC	**VII**	**11 09 05 19.8–.78**	**2.03S–.07**	**102.12E–.07**	**200**	**3.5b**	**42**	**0-143**	

IDC VII 11 09 05 19.0–9.8 2.22S 101.79E 197–92 3.8,3.3b ¶620928414
DJA VII 11 09 05 19.6–.50 2S–4.0 102E–5.0 188–7 3.9b,3.7
ISC Event type se.
ISC VII 13 19 02 17.9–.75 2.10S–.08 102.49E–.09 200 3.3b 45 1-88
IDC VII 13 19 01 53.7–1.0 2.46S 101.86E 0 3.7b,3.7 ¶620928553
DJA VII 13 19 02 18.0–.30 2S–6.0 102E–6.0 228–4 3.8b,3.7
ISC Event type se.
ISC VII 13 21 14 06.5–3.2 5.1S–.60 102.2E–.70 36 3.7b 6 30-64
IDC VII 13 21 14 03.1–3.0 4.72S 102.64E 0 3.6b,3.6 ¶620928564
ISC Event type se.
IDC Error ellipse: s-maj=136.9km s-min=22.8km az=52.0.
ISC VII 14 10 13 47.0–.49 4.50S–.05 101.56E–.05 30 4.5b,3.8s 130 1-146
IDC VII 14 10 13 42.7–.76 4.43S 101.57E 0 4.5L,4.3b ¶620828945
DJA VII 14 10 13 46.8–.40 5S–3.0 102E–3.0 10 5.4b,4.8
NEIC VII 14 10 13 47.9–.56 4.4S–.10 101.57E–.10 31–7 4.5b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 17 09 35 53.9–.76 3.49S–.07 101.99E–.07 90–6 4.0b 57 0-64
NEIC VII 17 09 35 45.8–.98 4.07S–.10 101.13E–.10 35–2 4.1b ¶620928763
IDC VII 17 09 35 52.5–18 3.79S 101.52E 94–157 4.0,3.6b
DJA VII 17 09 35 56.4–.30 3S–3.0 102E–3.0 60–4 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VII 22 14 57 36.0–.50 4S–2.0 102E–2.0 19–3 3.8,3.8
¶626066925
ISC VIII 02 20 35 03.8–.50 3.29S–.06 100.18E–.07 10 4.5b,3.6s 198 1-147
IDC VIII 02 20 35 02.9–.80 3.17S 100.19E 0 4.3b,4.3 ¶620929661
NEIC VIII 02 20 35 04.5–1.7 3.26S–.05 100.17E–.05 10–1 4.5b,4.3
DJA VIII 02 20 35 05.4–1.8 3S–3.0 100E–3.0 18–16 5.1b,4.8b
GFZ VIII 02 20 35 07.1–.36 3S–5.0 100E–4.0 28 4.8,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 03 04 46 16.4–.81 3.3S–.10 100.1E–.10 35 4.1b 25 3-146
IDC VIII 03 04 46 11.3–2.8 3.32S 100.01E 0 3.8b,3.8 ¶620995846
NEIC VIII 03 04 46 13.0–1.3 3.4S–.10 100.0E–.10 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 22 48 51.0–.36 3.20S–.03 100.25E–.03 19–1 6.2s,5.8b 2009 1-177
IDC VIII 02 22 48 47.4–.26 3.21S 100.22E 0 5.9s,5.3b ¶620929668
BJI VIII 02 22 48 48.0 3.55S 100.34E 32 6.5s,6.3b
MOS VIII 02 22 48 48.1–1.0 3.09S 100.36E 10 6.2b,5.9s
NEIC VIII 02 22 48 49.2 3.21S 100.20E 10 6.2b,5.9s
IPGP VIII 02 22 48 49.0 3.19S 100.17E 21 6.2W,5.9s
NEIC VIII 02 22 48 49.2 3.23S 100.16E 10 6.2W,5.9s
NEIC VIII 02 22 48 50.8–1.6 3.21S–.06 100.20E–.02 20–1 6.2,6.0b
GFZ VIII 02 22 48 50.2–.26 3S–3.0 100E–3.0 10 6.0,5.9b
ISC-P VIII 02 22 48 50 3.21S 100.20E 28–11 6.5,5.9b
GFZ VIII 02 22 48 51.1 3.13S 100.27E 25 5.9W,5.9b
DJA VIII 02 22 48 52.1–.50 3S–1.0 100E–1.0 19–3 6.5,6.3b
PTWC VIII 02 22 48 52 3.30S 100.10E 6.1,6.3b
GCMT VIII 02 22 48 55.3–.10 3.36S 100.01E 20–0 6.0W,6.3b
NEIC VIII 02 22 48 57.5 3.43S 100.06E 18 5.8,6.3b
BGR VIII 02 22 49 03.4 1.64S 98.34E 33 5.9s,5.8b
ISC Event type ke.
IDC Error ellipse: s-maj=7.3km s-min=5.3km az=63.0.
MOS Error ellipse: s-maj=6.9km s-min=3.7km az=112.3.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s316.00000°,δ12.00000°,λ97.00000°. NP2:ϕ_s129.00000°,δ78.00000°,λ88.00000°.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=3.0km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$-0.36 $M_{r\theta}$0.92 $M_{\theta\phi}$0.36 $M_{\phi r}$-0.45 NP1:ϕ_s324.12000°,δ19.43000°,λ113.11000°. NP2:ϕ_s119.77000°,δ72.18000°,λ82.12000°. Principal axes: T 1.2941,Plg62.0000°,Azm18.0000°; N -0.0598,Plg8.0000°,Azm122.0000°; P -1.2343,Plg27.0000°,Azm216.0000° $M_0$1.27000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC-P Moment Tensor Solution. s51 Moment tensor: Scale 10^{18}Nm; M_{rr}0.41±.24 $M_{\theta\theta}$-0.56±.28; $M_{\phi\phi}$-0.42±.18; $M_{r\theta}$0.08±.17; $M_{\theta\phi}$-0.16±.14; $M_{\phi r}$-0.37±.21; NP1:ϕ_s214.40000°,δ49.00000°,λ67.60000°. NP2:ϕ_s66.60000°,δ45.80000°,λ113.70000°. $M_0$7.24000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.56 $M_{\theta\theta}$-4.17 $M_{\phi\phi}$-2.39 $M_{r\theta}$4.73 $M_{\theta\phi}$3.45 $M_{\phi r}$-1.75 NP1:ϕ_s117.31561°,δ63.61366°,λ80.30452°. NP2:ϕ_s318.34421°,δ27.99085°,λ108.75062°. Principal axes: T 8.3653,Plg69.8252°,Azm7.1162°; N 0.0529,Plg8.6771°,Azm121.6578°; P -8.4182,Plg18.0675°,Azm214.5115° $M_0$8.39189×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108022248A. Moment Tensor Solution. s158,c354; s150,c494;Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}0.75±.01 $M_{\theta\theta}$-0.35±.01; $M_{\phi\phi}$-0.40±.01; $M_{r\theta}$1.00±.02; $M_{\theta\phi}$0.39±.00; $M_{\phi r}$-0.83±.02; Best double couple: NP1:ϕ_s323.00000°,δ15.00000°,λ102.00000°. NP2:ϕ_s131.00000°,δ75.00000°,λ87.00000°. Principal axes: T 1.5020,Plg60.0000°,Azm36.0000°; N 0.0100,Plg3.0000°,Azm132.0000°; P -1.5130,Plg30.0000°,Azm223.0000° $M_0$1.50800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}5.33 $M_{\theta\theta}$-3.53 $M_{\phi\phi}$-1.80 $M_{r\theta}$2.52 $M_{\theta\phi}$2.25 $M_{\phi r}$-0.04 NP1:ϕ_s315.88000°,δ35.12000°,λ110.24000°. NP2:ϕ_s111.62000°,δ57.33000°,λ76.33000°. Principal axes: T 6.0356,Plg74.0000°,Azm345.0000°; N -0.5331,Plg11.0000°,Azm119.0000°; P -5.5025,Plg11.0000°,Azm211.0000° $M_0$5.79000×10^{17}
BGR Event type ke.
ISC VIII 02 23 00 40.5–.42 3.25S–.05 100.28E–.05 10 4.6b 187 1-146
IDC VIII 02 23 00 39.4–.76 3.28S 100.23E 0 4.3b,4.3 ¶620929672
NEIC VIII 02 23 00 40.9–1.4 3.23S–.08 100.32E–.09 10–1 4.7b,4.3
DJA VIII 02 23 00 41.1–1.0 3S–2.0 100E–2.0 11–7 5.4,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 23 01 00.8–1.1 3.18S–.06 100.33E–.05 11–6 5.2b 512 3-158
BJI VIII 02 23 00 56.8 3.83S 100.43E 29 5.9s,5.8b ¶620993272
IDC VIII 02 23 00 59.2–.39 3.15S 100.37E 0 4.9b,4.9
MOS VIII 02 23 00 59.7–1.0 3.07S 100.47E 13 5.4b,4.9
GFZ VIII 02 23 01 01.5–.25 3S–5.0 100E–3.0 10 5.2b,5.2
NEIC VIII 02 23 01 01.1–1.8 3.16S–.06 100.41E–.06 10–1 5.2b,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 04 18 34 08.6–.75 3.34S–.07 100.22E–.08 35 4.3b 90 1-146
IDC VIII 04 18 34 04.2–1.4 3.27S 100.29E 0 4.3s,4.1b ¶620997323
DJA VIII 04 18 34 04.9–1.6 3S–3.0 100E–3.0 15–13 6.4b,6.2
NEIC VIII 04 18 34 06.1–1.6 3.31S–.04 100.21E–.08 10–1 4.3b,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 03 01 57 51.1–.56 3.28S–.06 100.15E–.06 35 4.2b 72 1-146
IDC VIII 03 01 57 46.5–1.6 3.38S 100.10E 0 4.0b,4.0 ¶620995831
NEIC VIII 03 01 57 47.3–.86 3.49S–.07 100.0E–.10 10–1 4.6b,4.0
DJA VIII 03 01 57 50.4–1.2 3S–3.0 100E–4.0 14–9 4.0,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 22 31 24.8–.65 0.31S–.04 99.99E–.04 129–5 4.2b 135 0-143
IDC VIII 14 22 31 08.7–1.2 0.52S 99.94E 0 4.1L,4.1b ¶621013576
DJA VIII 14 22 31 24.9–.20 0S–2.0 100E–2.0 118–2 5.5b,4.9
NEIC VIII 14 22 31 25.4–.98 0.32S–.08 100.10E–.08 132–7 4.4b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 09 20 23 31.8–.74 2.44S–.05 102.06E–.06 174–6 3.5b 68 0-144
DJA VIII 09 20 23 31.5–.20 2S–3.0 102E–3.0 173–2 5.0b,4.4 ¶621007282
IDC VIII 09 20 23 32.1–12 2.73S 101.60E 190–108 3.6,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=132.1km s-min=14.1km az=56.0.
ISC VIII 24 05 00 23.0–1.5 4.33S–.05 102.09E–.05 27–11 3.8b 54 1-145
IDC VIII 24 05 00 17.0–4.7 4.57S 101.67E 0 3.7b,3.7 ¶621049290
DJA VIII 24 05 00 24.3–.50 4S–2.0 102E–2.0 23–3 3.8,3.8
ISC Event type se.
ISC VIII 14 18 41 21.4–.45 4.49S–.04 102.60E–.04 61–3 4.9b 559 0-145
BJI VIII 14 18 41 14.1 5.12S 102.64E 60 5.0b,4.9b ¶620986728
GFZ VIII 14 18 41 21.0–.28 5S–3.0 102E–3.0 55–2 5.0b,4.9
NEIC VIII 14 18 41 21.7–1.8 4.41S–.07 102.57E–.06 61–5 4.9b,4.9
IDC VIII 14 18 41 22.6–2.5 4.33S 102.68E 65–22 4.7,4.4b
DJA VIII 14 18 41 22.2–.20 5S–2.0 103E–2.0 52–2 5.3b,5.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 17 10 27 10.6–2.8 3.27S–.06 100.19E–.06 6–16 4.0b 69 1-146
NEIC VIII 17 10 27 11.8–1.3 3.2S–.10 100.3E–.10 10–2 4.4b ¶621030253
DJA VIII 17 10 27 11.5–1.2 3S–3.0 100E–3.0 10–10 4.2,4.2
IDC VIII 17 10 27 11.2–2.1 3.10S 100.39E 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=7.4km az=227.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=81.5km s-min=17.9km az=59.0.
ISC VIII 19 06 38 53.3–.97 0.32S–.06 98.68E–.06 32 3.4b 11 0-62
DJA VIII 19 06 38 51.9–.80 0S–5.0 99E–9.0 10 3.9,3.9 ¶621039164
IDC VIII 19 06 38 54.8–5.9 0.99N 100.68E 0 3.5b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=327.8km s-min=28.5km az=54.0.
ISC VIII 28 06 06 21.5–.88 1.87S–.04 99.90E–.04 10 3.2b 24 0-145
DJA VIII 28 06 06 22.3–.20 2S–2.0 100E–2.0 10 3.4,3.4 ¶621073091
IDC VIII 28 06 06 24.0–5.5 1.03N 103.07E 0 3.4s,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=341.9km s-min=27.1km az=54.0.
ISC VIII 28 01 07 57.5–5.0 0.4S–.30 100E–2.0 25 4.0b 6 50-160
IDC VIII 28 01 07 54.0–6.8 0.34S 100.32E 0 4.0b,4.0 ¶621073076
ISC Event type se.
IDC Error ellipse: s-maj=422.4km s-min=38.6km az=93.0.
ISC VIII 27 14 30 36.1–1.1 5.54S–.06 103.21E–.06 10 3.8b 30 1-61
DJA VIII 27 14 30 36.9–.90 6S–4.0 103E–4.0 11–6 4.1,4.1 ¶621072158
IDC VIII 27 14 30 44.6–3.5 4.78S 105.26E 0 3.8,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=191.6km s-min=20.9km az=53.0.
ISC VIII 25 17 53 24.4–.00 3.67S–.07 101.63E–.07 50 3.6b 32 1-145
IDC VIII 25 17 53 17.1–3.4 3.77S 101.44E 0 3.5b,3.5 ¶621058950
DJA VIII 25 17 53 24.5–1.0 4S–5.0 102E–5.0 26–7 3.5,3.5
ISC Event type se.
ISC VIII 29 08 23 16.8–1.0 1.78S–.06 100.43E–.05 56 3.4b 21 0-144
IDC VIII 29 08 23 07.7–4.4 1.99S 100.08E 0 3.3b,3.3 ¶621073163
DJA VIII 29 08 23 18.4–.60 2S–5.0 100E–5.0 25–5 6.2b,4.4
ISC Event type se.
ISC VIII 30 05 09 40.4–1.6 0.40S–.04 98.62E–.05 5–11 3.8b 39 1-61
IDC VIII 30 05 09 41.4–8.7 0.25S 97.95E 0 4.2L,3.6b ¶621076485
DJA VIII 30 05 09 41.2–.30 0S–2.0 99E–2.0 10 3.7,3.7
ISC Event type se.
ISC IX 07 08 53 18.4–1.1 3.1S–.20 102.3E–.40 118 3.9b 9 30-145
IDC IX 07 08 53 03.8–1.2 3.20S 102.08E 0 3.9b,3.9 ¶621094314
ISC Event type se.
IDC Error ellipse: s-maj=64.0km s-min=17.6km az=59.0.
ISC IX 02 09 34 12.2–2.4 0.3S–.30 98.9E–.60 53 3.7b 7 19-62
IDC IX 02 09 34 04.9–2.4 0.38S 98.79E 0 4.4L,3.8b ¶621080674
ISC Event type se.
IDC Error ellipse: s-maj=100.1km s-min=20.9km az=61.0.
ISC IX 03 18 10 58.2–3.3 2.0S–.50 99.6E–.80 30 3.4b 6 20-61
IDC IX 03 18 10 54.9–3.5 1.83S 99.83E 0 3.3,3.2b ¶621081583
ISC Event type se.
IDC Error ellipse: s-maj=156.2km s-min=23.1km az=56.0.
ISC IX 05 01 40 11.1–.50 2.04S–.06 99.71E–.06 33–3 4.8b,3.7s 226 1-145
IDC IX 05 01 40 06.1–.58 2.04S 99.77E 0 4.9L,4.5b ¶621035462
BJI IX 05 01 40 09.6 2.10S 99.70E 35 4.8b,4.8b
GFZ IX 05 01 40 11.2–.29 2S–3.0 100E–3.0 36–2 4.9b,4.7
NEIC IX 05 01 40 12.2–2.1 2.04S–.08 99.68E–.10 35–2 4.9b,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 14 15 55.9–.91 4.75S–.06 102.56E–.06 52–8 4.6b 161 1-145
IDC IX 02 14 15 49.3–.75 4.67S 102.53E 0 4.4b,4.4 ¶621023698
GFZ IX 02 14 15 55.6–.31 5S–3.0 103E–3.0 52–3 4.6b,4.6
NEIC IX 02 14 15 56.3–1.1 4.74S–.07 102.53E–.08 51–6 4.6b,4.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 04 15 06 42.6–3.0 4.8S–.60 102.4E–.70 44 3.8b 7 30-145
IDC IX 04 15 06 36.0–3.1 4.86S 102.26E 0 3.7b,3.7 ¶621081638
ISC Event type se.
IDC Error ellipse: s-maj=148.9km s-min=24.5km az=53.0.
ISC IX 15 16 35 19.0–1.4 2.01S–.04 100.07E–.03 14–10 3.1b 36 0-61
IDC IX 15 16 35 17.4–4.2 1.82S 100.51E 0 3.3,3.2b ¶621112000
DJA IX 15 16 35 19.5–.20 2S–2.0 100E–2.0 10 3.4,3.4
ISC Event type se.
ISC IX 09 05 17 58.5–.79 5.10S–.09 102.1E–.10 36 4.3b 34 1-146
IDC IX 09 05 17 53.6–1.0 5.04S 102.02E 0 4.0b,4.0 ¶621105845
NEIC IX 09 05 17 58.4–.75 5.14S–.09 102.0E–.10 35–2 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 09 02 20.3–.28 0.51S–.03 99.69E–.03 86–2 5.0b 697 0-159
BJI IX 12 09 02 18.0 0.50S 99.70E 80 5.4b,4.9b ¶621070436
DJA IX 12 09 02 19.7–.10 1S–1.0 100E–2.0 69–1 5.6,5.5b
NEIC IX 12 09 02 20.7 0.52S 99.72E 90 5.6,5.5b
GCMT IX 12 09 02 20.4–.20 0.51S–.01 99.70E–.01 76–2 5.1W,5.5b
GFZ IX 12 09 02 20.8–.40 1S–3.0 100E–3.0 81–3 5.8,5.7
GFZ IX 12 09 02 20.8 0.50S 99.70E 76 5.0W,5.7
IDC IX 12 09 02 20.8–1.1 0.37S 99.86E 90–9 4.8,4.5b
NEIC IX 12 09 02 20.4–1.3 0.53S–.06 99.71E–.05 87–4 5.0b,4.5b
NEIC IX 12 09 02 22.2 0.52S 99.72E 70 5.0,4.5b
ISC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109120902A. Moment Tensor Solution. s61,c77; s112,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03±.16 $M_{\theta\theta}$-4.04±.14; $M_{\phi\phi}$4.06±.17; $M_{r\theta}$2.93±.08; $M_{\theta\phi}$-0.62±.13; $M_{\phi r}$-1.52±.11; Best double couple: NP1:ϕ_s218.00000°,δ52.00000°,λ-4.00000°. NP2:ϕ_s310.00000°,δ87.00000°,λ-142.00000°. Principal axes: T 4.8610,Plg23.0000°,Azm78.0000°; N 0.7190,Plg52.0000°,Azm314.0000°; P -5.5880,Plg28.0000°,Azm181.0000° $M_0$5.22400×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.34 $M_{\theta\theta}$-1.82 $M_{\phi\phi}$2.16 $M_{r\theta}$2.81 $M_{\theta\phi}$-0.66 $M_{\phi r}$-1.24 NP1: ϕ_s303.94008°,δ86.83974°,λ-124.92920°. NP2:ϕ_s209.42652°,δ35.05377°,λ-5.50806°. Principal axes: T 3.3865,Plg32.6745°,Azm62.6894°; N 0.6091,Plg34.8684°,Azm306.1449° ; P -3.9956,Plg38.1578°,Azm182.9500° $M_0$3.72854×10^{16}

IDC Error ellipse: s-maj=11.7km s-min=8.8km az=71.0.

NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.4km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$1.58 $M_{r\theta}$2.44 $M_{\theta\phi}$-2.06 $M_{\phi r}$-1.33 NP1:ϕ_s196.77000°,δ39.81000° ,λ-7.55000°. NP2:ϕ_s292.59000°,δ85.17000°,λ-129.56000°. Principal axes: T 4.0193,Plg29.0000°,Azm54.0000°; N -0.6686,Plg39.0000°,Azm297.0000° ; P -3.3507,Plg37.0000°,Azm168.0000° $M_0$3.73000×10^{16}

ISC IX 10 01 42 20.0–.79 4.6S–.10 101.6E–.10 30 4.4b,3.5s 48 1-89
IDC IX 10 01 42 15.3–1.1 4.58S 101.62E 0 4.7L,4.3b **¶621051054**
NEIC IX 10 01 42 22.1–1.1 4.5S–.10 101.74E–.09 39–8 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 15 15 15.0–1.2 0.7S–.10 98.4E–.20 32 3.7b 13 3-145
IDC IX 11 15 15 09.5–1.1 0.81S 98.16E 0 3.7b,3.7 **¶621108589**
ISC Event type se.
IDC Error ellipse: s-maj=35.6km s-min=16.8km az=72.0.
IDC IX 16 21 58 34.6–5.4 3.52S 100.02E 0 3.4b,3.4
¶621112912
IDC Error ellipse: s-maj=221.6km s-min=34.0km az=58.0.
ISC IX 20 02 10 53.9–.75 2.42S–.09 102.3E–.10 202–6 3.7b 35 0-144
IDC IX 20 02 10 44.5–4.2 2.60S 101.90E 122–35 3.9,3.6b **¶621115975**
DJA IX 20 02 10 55.4–.60 2S–5.0 102E–6.0 186–5 3.3,3.3
ISC Event type se.
IDC IX 19 07 05 38.5–45 3.19S 102.90E 0 4.0b,4.0
¶621113613
IDC Error ellipse: s-maj=832.5km s-min=250.3km az=145.0.
ISC IX 16 23 23 19.1–1.0 2.16S–.05 100.06E–.04 44–10 3.9b 45 0-145
IDC IX 16 23 23 12.3–1.2 2.28S 100.02E 0 3.7b,3.7 **¶621112915**
DJA IX 16 23 23 18.2–.30 2S–2.0 100E–2.0 12–3 3.9,3.9
ISC Event type se.
ISC IX 19 01 41 41.8–4.5 3.53S–.06 100.51E–.07 20–21 3.8b 51 1-146
IDC IX 19 01 41 40.4–3.0 3.27S 100.71E 0 3.8b,3.8 **¶621113600**
DJA IX 19 01 41 43.3–.40 4S–3.0 101E–3.0 43–33 4.1,4.1
ISC Event type se.
ISC IX 22 23 08 06.0–.82 2.27S–.04 100.76E–.04 55–6 4.2b 60 0-144
IDC IX 22 23 07 58.6–3.3 2.24S 100.74E 0 3.9b,3.9 **¶621118182**
NEIC IX 22 23 08 06.6–1.2 2.27S–.10 100.7E–.10 63–10 4.2b,3.9
DJA IX 22 23 08 06.8–.30 2S–2.0 101E–2.0 28–2 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 20 12 26 27.0–.58 0.86S–.04 99.25E–.05 35 4.1b 102 0-144
IDC IX 20 12 26 21.3–1.3 1.06S 99.23E 0 4.0b,3.9 **¶621115992**
NEIC IX 20 12 26 26.3–1.1 1.00S–.07 99.14E–.06 35–2 4.1b,3.9
DJA IX 20 12 26 27.7–.40 1S–2.0 99E–2.0 14–4 5.0b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 21 18 05 09.7–.87 0.15S–.05 98.74E–.04 10 3.4b 41 1-55
IDC IX 21 18 05 01.4–1.7 1.08S 97.13E 0 3.5b,3.5 **¶621116041**
DJA IX 21 18 05 11.2–.30 0S–3.0 99E–2.0 10 3.5,3.5
ISC Event type se.
ISC IX 26 12 01 00.2–.55 2.84S–.05 100.08E–.05 27 4.3b,3.2s 99 1-145
IDC IX 26 12 00 56.4–1.1 2.91S 100.07E 0 4.2b,4.2 **¶621131509**
NEIC IX 26 12 00 57.4–1.2 2.98S–.09 100.03E–.09 10–1 4.3b,4.2
DJA IX 26 12 01 01.1–.30 3S–3.0 100E–3.0 49–15 4.8b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 08 59 51.4–.49 2.93S–.04 100.06E–.04 24–3 4.7b,4.0s 334 1-145
IDC IX 26 08 59 48.3–.72 2.87S 100.13E 0 4.5b,4.5 **¶621110213**
NEIC IX 26 08 59 50.0–1.3 2.86S–.07 100.17E–.08 10–1 4.7b,4.5
GFZ IX 26 08 59 51.5–.30 3S–2.0 100E–2.0 27–2 5.1b,4.8b
DJA IX 26 08 59 52.6–.30 3S–3.0 100E–3.0 55–10 5.0b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 03 16 24 03.8–.69 1.82S–.05 101.53E–.05 152–6 4.0b 124 0-144
IDC X 03 16 24 02.0–3.0 1.96S 101.39E 142–26 4.0,3.6b **¶621186138**
NEIC X 03 16 24 04.1–1.2 1.87S–.09 101.5E–.10 152–7 4.2b,3.6b
DJA X 03 16 24 04.9–.20 2S–3.0 102E–3.0 140–4 5.0b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 08 49 17.1–.90 4.59S–.05 101.84E–.05 10 3.9b 41 1-146
IDC X 01 08 49 13.7–2.5 4.77S 101.54E 0 3.6b,3.6 **¶621147821**
DJA X 01 08 49 20.7–.30 4S–3.0 102E–2.0 10 4.4,4.3L
ISC Event type se.
ISC IX 27 15 08 07.9–3.2 5.8S–.70 102.8E–.80 10 3.5b 6 24-146
IDC IX 27 15 08 09.0–3.0 5.19S 103.50E 0 3.5b,3.5 **¶621140723**
ISC Event type se.
IDC Error ellipse: s-maj=148.9km s-min=22.0km az=53.0.
ISC X 04 06 20 11.5–1.3 2.34S–.03 103.68E–.03 11–9 4.3b 84 1-143
IDC X 04 06 20 10.2–.85 2.46S 103.67E 0 4.2,4.1b **¶621203098**
NEIC X 04 06 20 11.6–1.1 2.36S–.03 103.74E–.05 10–1 4.4b,4.1b
DJA X 04 06 20 13.3–.20 2S–2.0 104E–2.0 10 4.4,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA X 03 20 17 33.6–.10 0S–2.0 100E–2.0 10 4.3b,4.2
¶626703035
ISC X 11 22 17 46.8–.63 3.17S–.05 102.19E–.05 120–5 4.0b 123 0-145
NEIC X 11 22 17 46.5–1.7 3.1S–.10 102.3E–.20 114–11 4.0b **¶621236911**
IDC X 11 22 17 46.8–3.5 3.08S 102.34E 113–31 4.0,3.7b
DJA X 11 22 17 47.8–.20 3S–2.0 102E–2.0 106–2 5.1b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 06 20 00.0–1.6 5.99S–.05 102.85E–.05 15–9 4.4b 74 1-153
IDC X 06 06 19 58.5–2.0 5.97S 102.67E 0 4.1L,4.1b **¶621217128**
DJA X 06 06 20 02.5–1.2 6S–4.0 103E–3.0 23–15 5.0b,4.9b
NEIC X 06 06 20 03.8–2.3 5.97S–.07 102.8E–.10 35–5 4.5b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA X 10 12 34 19.4–.20 3S–2.0 102E–2.0 108–3 3.8,3.8
¶626703526
ISC X 19 16 06 57.1–.92 0.27S–.04 98.62E–.05 32 3.4b 36 0-61
IDC X 19 16 06 51.7–2.5 0.46S 98.56E 0 3.6L,3.5b **¶621244092**
DJA X 19 16 06 56.8–.50 0S–3.0 99E–3.0 24–6 4.3b,3.8
ISC Event type se.
ISC X 14 17 55 53.6–.93 0.58S–.02 100.58E–.03 14–6 4.1b 89 0-146
NEIC X 14 17 55 53.1–1.6 0.64S–.08 100.65E–.09 10–1 4.3b **¶621240655**
DJA X 14 17 55 55.3–.10 1S–1.0 101E–2.0 10 4.2b,4.1
IDC X 14 17 56 03.1–3.0 0.71S 100.58E 106–22 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=10.6km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.0km s-min=15.6km az=53.0.

ISC X 15 23 17 27.0–.38 4.95S–.04 102.94E–.04 58–3 5.0b,3.4s 585 1-145
BJI X 15 23 17 24.0 4.90S 103.00E 50 5.0b,5.0b **¶621204465**
GFZ X 15 23 17 27.4–.38 5S–4.0 103E–3.0 58–4 5.2b,5.1L
NEIC X 15 23 17 27.9–1.6 4.92S–.06 102.98E–.07 59–5 5.0b,5.1L
DJA X 15 23 17 27.3–.20 5S–2.0 103E–2.0 53–1 5.7,5.5
IDC X 15 23 17 29.9–1.7 4.77S 103.10E 79–13 4.9,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.3km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=7.2km az=44.0.
ISC X 23 08 55 36.0–.99 4.83S–.09 103.84E–.07 142–7 3.4b 34 0-55
IDC X 23 08 55 24.2–4.5 3.56S 105.13E 0 3.7b,3.7 **¶621309364**
DJA X 23 08 55 37.9–.60 5S–4.0 104E–4.0 122–4 3.2,3.2
ISC Event type se.
ISC X 22 17 01 12.5–.44 2.29S–.05 100.75E–.04 50 4.4b 165 0-144
IDC X 22 17 01 06.1–1.2 2.27S 100.80E 0 4.3b,4.2 **¶621237004**
GFZ X 22 17 01 13.6–.32 2S–3.0 101E–3.0 72–3 4.3b,4.3b
NEIC X 22 17 01 14.2–1.4 2.23S–.04 100.8E–.10 58–7 4.3b,4.3b
DJA X 22 17 01 14.2–.30 2S–2.0 101E–2.0 28–3 5.4b,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 20 02 40 22.4–12 2.94S 104.31E 313–111 3.6,2.9b
¶621246584
IDC Error ellipse: s-maj=221.3km s-min=16.9km az=55.0.
IDC X 22 11 00 58.2–11 5.08S 102.38E 0 3.3b,3.3
¶621309320
IDC Error ellipse: s-maj=506.1km s-min=57.3km az=53.0.
ISC X 27 14 37 56.7–.85 0.27S–.04 99.41E–.05 97–7 3.8b 47 0-62
IDC X 27 14 37 45.9–2.5 0.19S 99.58E 0 4.6L,3.6b **¶621385470**
DJA X 27 14 37 57.9–.30 0S–2.0 99E–3.0 76–5 3.6,3.6
ISC Event type se.
ISC X 23 23 34 27.1–.36 4.74S–.04 101.94E–.03 62–3 4.8b 685 1-146
IDC X 23 23 34 19.1–.41 4.71S 101.99E 0 4.6b,4.6 **¶621238034**
GFZ X 23 23 34 22.0–.31 5S–4.0 102E–4.0 10 5.4b,5.0L
NEIC X 23 23 34 25.8–1.1 4.69S–.08 101.97E–.06 47–5 4.8b,5.0L
BJI X 23 23 34 25.0 4.70S 102.10E 52 5.3b,4.8b
DJA X 23 23 34 25.0–.10 5S–1.0 102E–1.0 42–2 5.6b,5.4
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 26 17 25 38.4–.83 3.48S–.04 101.57E–.04 51–7 4.3b,2.8s 202 0-145
IDC X 26 17 25 31.1–1.0 3.59S 101.44E 0 4.3b,4.3 **¶621240796**
GFZ X 26 17 25 39.0–.33 3S–4.0 102E–4.0 58–3 4.8b,4.4b
NEIC X 26 17 25 38.8–1.6 3.33S–.08 101.69E–.09 45–7 4.3b,4.4b
DJA X 26 17 25 38.8–.40 3S–2.0 102E–2.0 24–3 4.9b,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 30 16 58 15.3–1.0 4.37S–.07 102.43E–.06 56 3.6b 35 0-54
IDC X 30 16 58 08.1–3.9 4.23S 102.48E 0 3.5b,3.5 **¶621395186**
DJA X 30 16 58 15.9–.50 4S–4.0 102E–4.0 32–5 3.6,3.6
ISC Event type se.
IDC X 28 09 10 20.5–12 5.26S 103.28E 129–101 3.7,3.4b
¶621391393
IDC Error ellipse: s-maj=174.9km s-min=19.1km az=56.0.
ISC X 29 15 42 39.2–1.2 4.57S–.06 102.53E–.06 54–10 3.5b 51 0-60
IDC X 29 15 42 32.5–6.8 4.29S 102.75E 0 3.4b,3.4 **¶621391444**
DJA X 29 15 42 40.0–.40 5S–2.0 103E–2.0 34–4 3.6b,3.5
ISC Event type se.
ISC X 28 16 58 55.1–1.2 5.00S–.08 102.91E–.07 59 3.4b 31 1-60
IDC X 28 16 58 46.5–4.9 4.98S 102.69E 0 3.3b,3.3 **¶621391399**
DJA X 28 16 58 55.1–.80 5S–4.0 103E–3.0 24–5 3.4,3.4
ISC Event type se.
ISC XI 16 05 54 37.6–.88 3.97S–.06 101.39E–.07 34 4.0b 47 1-145
IDC XI 16 05 54 33.4–3.4 3.68S 101.59E 0 4.0b,4.0 **¶621475663**
DJA XI 16 05 54 41.9–.90 4S–4.0 102E–4.0 27–7 4.2,4.2
ISC Event type se.
ISC XI 10 06 46 09.5–1.2 3.84S–.06 101.49E–.08 35 3.6b 30 1-145
IDC XI 10 06 46 03.0–5.9 3.70S 101.61E 0 3.6b,3.6 **¶621440048**
DJA XI 10 06 46 10.2–.50 4S–2.0 102E–4.0 10 3.9,3.9
ISC Event type se.
ISC XI 10 08 48 12.3–.94 4.76S–.05 101.90E–.05 10 3.8b 48 1-146
IDC XI 10 08 48 12.3–4.2 4.30S 102.13E 0 3.7b,3.7 **¶621440055**
DJA XI 10 08 48 13.5–.30 5S–3.0 102E–2.0 10 5.5b,5.0
ISC Event type se.
ISC XI 01 06 19 38.2–.72 4.51S–.05 102.05E–.05 46–6 4.5b,3.2s 262 1-147
DJA XI 01 06 19 36.2–.30 5S–3.0 102E–3.0 10 5.1b,4.9 **¶621244966**
NEIC XI 01 06 19 37.5–.97 4.43S–.07 102.03E–.05 31–4 4.5b,4.9
GFZ XI 01 06 19 38.4–.31 5S–3.0 102E–3.0 48–2 5.2b,4.7
IDC XI 01 06 19 38.7–.82 4.44S 102.17E 49–6 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.3km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.6km s-min=3.2km az=40.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=22.1km s-min=11.3km az=55.0.
ISC XI 15 15 22 03.5–.71 1.21S–.03 99.65E–.03 58–6 3.5b 62 1-62
IDC XI 15 15 21 57.4–3.1 1.08S 100.12E 0 3.5L,3.5b **¶621475638**
DJA XI 15 15 22 02.5–.30 1S–1.0 100E–2.0 11–2 3.9,3.9
ISC Event type se.
ISC XI 01 18 41 07.0–.77 2.0S–.10 99.6E–.10 30 4.2b 23 3-146
IDC XI 01 18 41 03.7–1.9 2.04S 99.46E 0 4.1b,4.1 **¶621401293**
NEIC XI 01 18 41 08.2–2.1 1.9S–.10 99.6E–.10 35–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 16 37 19.2–.90 4.58S–.06 102.87E–.06 89–6 3.9b 61 0-64
IDC XI 19 16 37 07.8–2.3 4.49S 102.73E 0 3.7b,3.7 **¶621590300**
DJA XI 19 16 37 20.6–.30 5S–3.0 103E–3.0 65–4 3.7,3.7
ISC Event type se.
ISC XI 16 17 11 17.5–.51 2.22S–.03 102.41E–.03 220–4 4.5b 483 0-146
GFZ XI 16 17 11 17.1–.16 2S–2.0 102E–2.0 216 6.3,6.3 **¶621412345**
NEIC XI 16 17 11 17.6–1.4 2.23S–.06 102.35E–.07 212–5 4.4b,6.3
DJA XI 16 17 11 17.4–.10 2S–2.0 102E–2.0 211–1 4.9b,4.7b
IDC XI 16 17 11 18.2–1.4 2.25S 102.44E 223–12 4.6,4.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.8km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.0km s-min=7.2km az=58.0.
ISC XI 18 01 40 45.8–.98 3.51S–.05 101.86E–.06 108–7 3.6b 58 0-116
IDC XI 18 01 40 30.5–6.6 3.71S 101.24E 0 3.6b,3.6 **¶621532452**
DJA XI 18 01 40 46.6–.30 4S–3.0 102E–3.0 97–5 3.9,3.9
ISC Event type se.
ISC XI 16 04 10 02.5–.80 4.81S–.08 101.69E–.07 32 4.2b 44 1-146
IDC XI 16 04 09 57.1–2.8 4.75S 101.70E 0 4.0b,4.0 **¶621475661**
NEIC XI 16 04 10 06.4–.75 4.4S–.10 101.77E–.09 44–7 4.3b,4.0
DJA XI 16 04 10 15.4–.70 4S–7.0 103E–6.0 83–9 3.7,3.7

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 17 03 30 34.5–.41 3.53S–.04 101.57E–.04 60–3 4.9b 400 0-145
BJI XI 17 03 30 28.4 4.24S 101.64E 62 5.1b,5.0b **¶621413506**
NEIC XI 17 03 30 35.0–1.9 3.58S–.06 101.59E–.03 60–6 5.0b,5.0b
GFZ XI 17 03 30 34.5–.37 4S–3.0 102E–3.0 49–3 5.3b,5.0b
DJA XI 17 03 30 35.0–.20 4S–2.0 102E–2.0 44–3 5.2b,5.0
IDC XI 17 03 30 38.7–2.1 3.40S 101.70E 93–17 4.7,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=3.6km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.7km s-min=5.2km az=47.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.2km s-min=8.5km az=44.0.
ISC XI 24 21 45 54.3–1.4 5.23S–.07 102.78E–.07 49–14 3.6b 60 1-75
IDC XI 24 21 45 45.2–2.1 5.58S 102.04E 0 4.1L,3.6 **¶621614007**
NEIC XI 24 21 45 53.6–1.4 5.20S–.07 102.60E–.05 41–10 4.2b,3.6
DJA XI 24 21 45 53.7–.70 5S–3.0 103E–2.0 14–4 3.7,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 21 18 20 51.8–.54 3.40S–.06 101.45E–.06 50 4.3b 55 1-145
IDC XI 21 18 20 45.4–3.3 3.36S 101.36E 0 4.0b,4.0 **¶621608924**
NEIC XI 21 18 20 53.7–2.5 3.42S–.06 101.45E–.07 65–6 4.5b,4.0
DJA XI 21 18 20 54.6–.30 3S–3.0 102E–3.0 10 3.9b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 00 41 01.5–.69 3.17S–.05 101.72E–.05 84–5 4.6b 122 0-145
IDC XI 26 00 40 50.6–1.1 3.33S 101.39E 0 4.3b,4.3 **¶621621971**
NEIC XI 26 00 41 02.5–1.8 3.17S–.10 101.7E–.10 89–10 4.6b,4.3
DJA XI 26 00 41 03.3–.20 3S–3.0 102E–3.0 57–4 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 07 21 10 37.6–.92 3.55S–.05 101.85E–.05 61–7 3.7b 78 0-62
IDC XII 07 21 10 27.6–2.8 3.75S 101.47E 0 3.7b,3.7 **¶621632699**
DJA XII 07 21 10 38.5–.30 4S–2.0 102E–2.0 29–3 4.6b,3.9
ISC Event type se.
ISC XI 29 01 20 48.9–1.1 4.46S–.04 102.53E–.04 42–11 3.6b 43 0-63
IDC XI 29 01 20 41.5–5.7 4.59S 102.34E 0 3.6b,3.6 **¶621626946**
DJA XI 29 01 20 48.4–.40 4S–2.0 103E–2.0 17–3 4.2,4.2
ISC Event type se.
ISC XII 03 04 56 50.8–.92 1.87S–.04 100.37E–.05 54–8 3.8b 52 0-145
IDC XII 03 04 56 43.9–3.3 1.92S 100.38E 0 3.8b,3.8 **¶621630558**
NEIC XII 03 04 56 44.7–.76 2.08S–.09 100.1E–.10 10–1 4.2b,3.8
DJA XII 03 04 56 51.2–.40 2S–2.0 100E–2.0 25–3 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 14 33 54.3–1.0 3.77S–.05 101.44E–.04 46–10 4.1b 113 1-145
IDC XI 26 14 33 47.9–1.1 3.81S 101.28E 0 4.1b,4.1 **¶621622005**
NEIC XI 26 14 33 53.7–1.0 3.82S–.03 101.37E–.07 40–9 4.2b,4.1
DJA XI 26 14 33 54.7–.50 4S–2.0 101E–2.0 20–5 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 29 09 07 43.4–1.0 2.22S–.03 104.28E–.03 9–7 4.3b,3.5s 78 1-142
IDC XI 29 09 07 42.6–.80 2.37S 104.01E 0 4.1b,4.1 **¶621626965**
NEIC XI 29 09 07 44.0–1.8 2.19S–.04 104.21E–.05 10–1 4.4b,4.1
DJA XI 29 09 07 46.1–.70 2S–5.0 104E–5.0 10 4.8,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 02 03 20 04.1–.30 5S–4.0 105E–3.0 137–3 4.8b,4.3b ¶626706441
ISC XII 03 17 59 25.9–1.0 4.41S–.05 102.56E–.05 56 3.4b 38 0-60
IDC XII 03 17 59 16.9–6.6 4.14S 102.85E 0 3.3b,3.3 **¶621630610**
DJA XII 03 17 59 28.3–.30 4S–3.0 103E–3.0 42–6 3.7,3.6
ISC Event type se.
ISC XI 29 15 24 28.4–.45 2.56S–.06 99.54E–.05 32 4.4b 162 1-145
IDC XI 29 15 24 24.0–.94 2.52S 99.57E 0 4.2b,4.2 **¶621494351**
GFZ XI 29 15 24 25.0–.30 3S–3.0 100E–4.0 10 5.5b,5.0
NEIC XI 29 15 24 25.9–1.2 2.56S–.07 99.51E–.07 10–1 4.5b,5.0
DJA XI 29 15 24 28.7–1.8 2S–4.0 100E–4.0 36–43 5.2b,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 29 15 25 44.4–.96 1.28S–.04 99.75E–.04 52–9 4.5b 119 1-144
IDC XI 29 15 25 37.4–.79 1.24S 99.86E 0 4.4b,4.4 **¶621626977**
DJA XI 29 15 25 43.9–.40 1S–2.0 100E–2.0 15–4 4.6,4.6
NEIC XI 29 15 25 44.8–1.7 1.31S–.07 99.74E–.07 50–7 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 05 02 31 01.2–1.0 2.15S–.08 102.3E–.10 209–9 3.3b 23 0-50
IDC XII 05 02 30 43.2–7.5 1.55S 103.31E 0 3.8s,3.6b **¶621631221**
DJA XII 05 02 31 02.6–.70 2S–5.0 102E–7.0 199–8 3.3,3.3
ISC Event type se.
ISC XII 12 22 37 00.4–.72 4.21S–.05 101.34E–.04 43–6 4.6b,4.0s 406 1-157
BJI XII 12 22 36 55.0 4.20S 101.30E 10 5.3b,4.6b **¶621627924**
DJA XII 12 22 37 00.6–.20 4S–2.0 101E–2.0 48–2 5.5b,5.3
GFZ XII 12 22 37 00.3–.27 4S–3.0 101E–2.0 41–2 5.3b,5.3
NEIC XII 12 22 37 00.6–1.4 4.18S–.06 101.32E–.06 35–1 4.6b,5.3
IDC XII 12 22 37 01.2–2.3 4.10S 101.40E 42–20 4.5L,4.4
ISC Event type se.
GFZ Error ellipse: s-maj=6.7km s-min=3.2km az=42.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.1km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=9.3km az=53.0.
ISC XII 12 00 25 44.1–1.8 5.24S–.05 102.30E–.05 10–10 3.4b 44 1-146
IDC XII 12 00 25 45.4–4.0 4.59S 102.91E 0 3.4b,3.4 **¶621650459**
DJA XII 12 00 25 48.3–.60 5S–2.0 102E–2.0 10–3 3.8,3.8
ISC Event type se.
ISC XII 16 15 37 38.1–.88 5.11S–.05 102.47E–.05 10 3.5b 25 0-145
IDC XII 16 15 37 35.0–3.9 5.21S 101.13E 0 3.5b,3.5 **¶621655791**
DJA XII 16 15 37 39.8–.40 5S–3.0 102E–3.0 10 3.5,3.5
ISC Event type se.
DJA XII 13 21 19 27.4–.50 1S–2.0 100E–3.0 25–4 3.0,3.0 ¶626706638
DJA XII 15 02 03 25.0–.30 5S–3.0 103E–3.0 45–5 3.9,3.8 ¶626706928
DJA XII 15 02 28 07.9–.30 0S–2.0 99E–3.0 40–9 5.0b,3.9 ¶626706924
IDC XII 14 02 25 49.7–388 0.52S 98.68E 0 ¶621652854
IDC Error ellipse: s-maj=799.1km s-min=18.3km az=55.0.
IDC XII 17 07 44 16.8–7.0 1.79S 103.42E 0 3.4b,3.4 ¶621656924
IDC Error ellipse: s-maj=406.1km s-min=29.1km az=53.0.
ISC XII 17 12 51 11.6–1.1 5.0S–.10 104.7E–.10 100 3.6b 19 0-55
IDC XII 17 12 50 57.0–3.5 4.79S 104.61E 0 3.7b,3.7 **¶621656933**
DJA XII 17 12 51 13.4–1.0 5S–8.0 105E–9.0 95–10 3.4,3.4
ISC Event type se.
DJA XII 22 22 53 48.3–.70 3S–3.0 101E–3.0 18–5 3.6,3.5 ¶626707217
IDC XII 18 06 16 24.7–8.4 4.82S 102.03E 0 3.2b,3.2 ¶621656977
IDC Error ellipse: s-maj=422.3km s-min=32.1km az=51.0.
ISC XII 18 07 54 26.0–.68 1.03S–.03 100.57E–.04 132–5 4.0b 80 0-144
IDC XII 18 07 54 25.3–3.1 1.08S 100.62E 127–26 4.1,3.7b **¶621656983**
DJA XII 18 07 54 27.1–.20 1S–1.0 101E–2.0 120–2 4.0,4.0
ISC Event type se.
ISC XII 26 14 09 12.5–.42 4.59S–.05 102.01E–.05 37 4.6b,3.2s 296 1-145
IDC XII 26 14 09 07.2–.94 4.48S 102.12E 0 4.6b,4.6 **¶621653663**
DJA XII 26 14 09 13.6–.30 5S–2.0 102E–2.0 39–6 5.4b,4.9
NEIC XII 26 14 09 13.6–1.0 4.57S–.09 102.01E–.06 41–7 4.6b,4.9
GFZ XII 26 14 09 13.4–.28 5S–3.0 102E–3.0 63–3 5.2b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 26 21 26 13.6–1.1 0.07S–.04 98.73E–.04 48 3.6b 48 0-55
IDC XII 26 21 26 09.1–1.6 0.09N 97.81E 0 3.6b,3.6 **¶621700259**
DJA XII 26 21 26 12.6–.50 0S–2.0 99E–3.0 26–6 3.7,3.7
ISC Event type se.
ISC XII 30 16 09 36.2–.36 0.31S–.04 98.73E–.04 50 4.6b,3.2s 327 1-145
GFZ XII 30 16 09 35.0–.24 0S–3.0 99E–3.0 53 5.2b,4.8L **¶621657535**
NEIC XII 30 16 09 36.1–1.7 0.35S–.06 98.77E–.07 42–5 4.6b,4.8L
DJA XII 30 16 09 36.3–.20 0S–1.0 99E–2.0 56–3 5.5b,4.9
IDC XII 30 16 09 37.3–2.8 0.28S 99.01E 52–24 4.4,4.3L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.9km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.3km s-min=11.8km az=53.0.
ISC XII 27 06 10 08.4–1.0 0.12S–.04 98.80E–.04 41–12 4.0b 55 1-80
IDC XII 27 06 10 01.0–1.4 0.38S 98.67E 0 3.8b,3.8 **¶621717292**
DJA XII 27 06 10 07.7–.30 0S–2.0 99E–2.0 21–3 3.8,3.7
ISC Event type se.
ISC XII 27 16 04 27.8–.93 5.04S–.05 103.30E–.05 68–7 3.7b 60 0-55
IDC XII 27 16 04 15.9–2.0 5.42S 102.43E 0 3.7L,3.7 **¶621717325**
DJA XII 27 16 04 28.9–.30 5S–3.0 103E–2.0 38–5 4.0,3.9
ISC Event type se.

(275) Java Sea.

ISC VII 08 23 34 21.2–.62 5.7S–.10 111.43E–.08 500 3.6b 35 2-145
IDC VII 08 23 34 21.6–1.6 5.71S 111.40E 512–30 4.0,3.1b **¶620928209**
NEIC VII 08 23 34 22.1–1.4 5.8S–.10 111.4E–.10 514–11 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(276) Sunda Strait.

ISC VII 08 15 18 10.9–1.6 6.52S–.06 104.80E–.04 25–12 4.2b,3.2s 114 1-145
IDC VII 08 15 18 07.2–.89 6.37S 104.73E 0 4.2L,3.8b **¶620928188**
NEIC VII 08 15 18 11.2–1.3 6.47S–.07 104.75E–.07 24–2 4.3b,3.8b
DJA VII 08 15 18 11.3–.20 7S–3.0 105E–2.0 10 5.4b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 13 08 30 13.3–.55 6.41S–.05 104.34E–.05 88–4 4.8b 321 1-145
DJA VII 13 08 30 12.9–.20 7S–3.0 104E–2.0 65–5 5.8b,5.3 **¶620805507**
BJI VII 13 08 30 13.0 6.20S 104.50E 82 4.9b,4.9b
NEIC VII 13 08 30 14.3–1.4 6.3S–.10 104.43E–.10 86–8 4.8b,4.9b
IDC VII 13 08 30 14.5–3.1 6.30S 104.34E 92–26 4.5,4.1b
GFZ VII 13 08 30 15.3–.30 6S–5.0 105E–3.0 92 5.0b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 15 23 03 41.0–.56 6.88S–.05 104.23E–.05 24 4.0b 91 1-146
NEIC X 15 23 03 41.5–1.1 6.98S–.07 104.10E–.08 22–6 4.3b **¶622505852**
DJA X 15 23 03 43.7–.30 7S–3.0 104E–2.0 10 5.4b,4.8
IDC X 15 23 03 47.9–.74 4.10S 107.41E 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.1km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.0km s-min=13.1km az=68.0.
ISC VIII 21 12 31 56.9–1.2 6.56S–.09 104.98E–.08 35 3.4b 27 1-96
IDC VIII 21 12 31 49.6–5.4 5.88S 105.28E 0 3.8s,3.6b **¶621042995**
DJA VIII 21 12 31 57.5–1.0 6S–5.0 105E–4.0 19–8 3.6,3.6
ISC Event type se.
ISC X 07 01 05 35.9–.42 6.88S–.06 104.98E–.05 10 4.5b,3.7s 156 1-150
IDC X 07 01 05 34.3–.60 6.69S 104.97E 0 4.2L,4.1b **¶621217177**
DJA X 07 01 05 37.1–.20 7S–3.0 105E–2.0 10 6.0b,5.7
NEIC X 07 01 05 40.0–1.8 6.92S–.07 104.94E–.06 35–2 4.6b,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 06 11 08 18.0–.23 6.26S–.03 104.67E–.03 61–1 5.7b 1657 1-173
BJI VIII 06 11 08 12.8 6.53S 104.40E 54 5.6s,5.5b **¶620970789**
NEIC VIII 06 11 08 16.8 6.23S 104.65E 44 5.6s,5.5b
NEIC VIII 06 11 08 17.9–1.5 6.20S–.06 104.66E–.06 55–5 5.5b,5.5b
MOS VIII 06 11 08 18.9–1.1 5.93S 104.88E 73 6.0b,5.0s
GFZ VIII 06 11 08 18.8–.33 6S–3.0 105E–3.0 54–3 6.0b,5.7b
GFZ VIII 06 11 08 18.8 5.99S 104.83E 56 5.3W,5.7b
NEIC VIII 06 11 08 18.5 6.93S 104.45E 60 5.2,5.7b
DJA VIII 06 11 08 18.1–.10 6S–1.0 105E–1.0 69–1 6.0,6.0b
GCMT VIII 06 11 08 20.2–.10 6.55S–.01 104.69E–.01 49–0 5.4W,6.0b
IDC VIII 06 11 08 20.3–.79 6.03S 104.77E 71–6 5.6,5.3b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.1km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.6km s-min=3.9km az=118.4.
GFZ Error ellipse: s-maj=8.3km s-min=4.9km az=40.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.82 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-0.24 $M_{r\theta}$0.48 $M_{\theta\phi}$0.48 $M_{\phi r}$-0.33 NP1: ϕ_s125.21752°,δ61.89364°,λ89.77314°. NP2:ϕ_s305.69905°,δ28.10720°,λ90.42475°. Principal axes: T 0.9977,Plg73.1054°,Azm34.6655°; N 0.0966,Plg0.2001°,Azm125.3244° ; P -1.0943,Plg16.8933°,Azm215.3852° $M_0$1.04931×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{16}Nm; M_{rr}6.59 $M_{\theta\theta}$-8.04 $M_{\phi\phi}$1.45 $M_{r\theta}$2.10 $M_{\theta\phi}$1.86 $M_{\phi r}$-2.57 NP1:ϕ_s261.00000°,δ39.05000° ,λ59.04000°. NP2:ϕ_s118.69000°,δ57.30000°,λ112.66000°. Principal axes: T 7.7572,Plg69.0000°,Azm77.0000°; N 1.0666,Plg19.0000°,Azm286.0000° ; P -8.8237,Plg10.0000°,Azm193.0000° $M_0$8.34000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108061108A. Moment Tensor Solution. s117,c200; s118,c201;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09±.02 $M_{\theta\theta}$-1.24±.02; $M_{\phi\phi}$0.15±.02; $M_{r\theta}$0.50±.02; $M_{\theta\phi}$0.45±.01; $M_{\phi r}$-0.42±.02; Best double couple: NP1: ϕ_s271.00000°,δ34.00000°,λ66.00000°. NP2:ϕ_s120.00000°,δ59.00000°,λ106.00000°. Principal axes: T 1.2910,Plg71.0000°,Azm66.0000°; N 0.2250,Plg13.0000°,Azm292.0000° ; P -1.5130,Plg13.0000°,Azm198.0000° $M_0$1.40200×10^{17}
IDC Error ellipse: s-maj=9.4km s-min=5.5km az=41.0.
ISC VIII 29 03 20 49.4–1.4 6.39S–.07 104.87E–.05 17–9 4.1b 60 1-145
IDC VIII 29 03 20 46.4–.98 6.43S 104.65E 0 4.7L,3.7b **¶621073145**
DJA VIII 29 03 20 52.1–.40 6S–5.0 105E–3.0 10 4.1,4.1

NEIC VIII 29 03 20 54.6–1.3 6.4S–.20 104.9E–.10 60–6 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 14 09 14 37.9–.58 6.99S–.05 105.59E–.05 56 3.9b 73 0-145
DJA IX 14 09 14 35.0–.40 7S–4.0 106E–2.0 10 4.1,4.1 **¶621110829**
NEIC IX 14 09 14 38.1–1.1 6.80S–.09 105.70E–.07 57–4 4.1b,4.1
IDC IX 14 09 14 42.4–2.8 6.69S 105.70E 92–24 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=7.9km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.6km s-min=13.6km az=50.0.
ISC XII 19 07 58 22.2–.52 6.04S–.05 104.26E–.05 49 4.2b 70 1-145
NEIC XII 19 07 58 23.0–.94 5.9S–.10 104.3E–.10 69–12 4.2b **¶621657065**
DJA XII 19 07 58 25.9–.40 6S–3.0 104E–2.0 30–4 6.0b,5.7
IDC XII 19 07 58 32.5–5.8 5.27S 104.95E 135–39 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=2.3km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=142.3km s-min=17.3km az=52.0.
ISC XI 28 20 53 01.0–1.2 6.49S–.06 104.39E–.05 49–11 4.2b 111 1-150
NEIC XI 28 20 53 01.0–2.4 6.57S–.10 104.38E–.08 41–7 4.5b **¶621625191**
DJA XI 28 20 53 00.4–.20 6S–2.0 104E–2.0 10 5.0b,4.5b
IDC XI 28 20 53 02.5–4.5 6.52S 104.31E 61–40 4.4L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=7.8km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.6km s-min=15.9km az=63.0.
ISC XI 29 23 03 16.5–.35 6.56S–.05 104.42E–.04 40 4.6b,3.7s 241 1-145
IDC XI 29 23 03 11.8–.55 6.37S 104.41E 0 4.4b,4.4 **¶621499064**
NEIC XI 29 23 03 16.1–1.6 6.78S–.04 104.22E–.06 40–7 4.6b,4.4
DJA XI 29 23 03 16.8–.20 7S–3.0 104E–2.0 10 5.3b,5.0b
GFZ XI 29 23 03 17.1–.21 6S–4.0 105E–3.0 42 5.0b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DJA XII 09 21 07 20.6–.30 7S–2.0 105E–1.0 10 3.7,3.7 ¶626706567
ISC X 15 20 34 07.1–.62 6.89S–.08 104.29E–.06 35 4.3b 184 1-145
IDC X 15 20 34 04.7–.96 6.44S 104.66E 0 4.0b,4.0 **¶621204455**
GFZ X 15 20 34 06.6–.38 7S–4.0 104E–4.0 74 6.1,6.1
NEIC X 15 20 34 06.0–1.8 7.16S–.07 104.10E–.07 37–8 4.4b,6.1
DJA X 15 20 34 09.0–.30 7S–4.0 104E–3.0 10 5.2b,4.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 27 08 32 21.0–.31 6.60S–.05 104.33E–.04 40 5.0b,4.1s 536 1-153
GFZ XII 27 08 32 19.8–.75 7S–3.0 104E–2.0 28–5 5.2b,5.0 **¶621653758**
IDC XII 27 08 32 20.9–2.5 6.48S 104.37E 35–19 4.7,4.5b
NEIC XII 27 08 32 20.4–1.2 6.61S–.06 104.30E–.04 35–5 4.9b,4.5b
DJA XII 27 08 32 22.0–.20 7S–2.0 104E–1.0 45–2 5.5b,5.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

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ISC VII 02 17 14 04.8–1.8 7.4S–.30 105.6E–.20 300 3.2b 7 2-62
IDC VII 02 17 14 10.0–3.1 6.73S 106.48E 327–11 3.6,2.9b **¶620927764**
ISC Event type se.
IDC Error ellipse: s-maj=118.9km s-min=15.3km az=52.0.
DJA VII 03 11 00 18.6–.50 8S–3.0 106E–2.0 29–3 4.0b,3.8 ¶626066098
ISC VII 05 16 01 50.7–1.4 8.9S–.10 112.47E–.04 53–19 3.1b 35 1-39
DJA VII 05 16 01 50.5–.80 9S–5.0 112E–2.0 30–7 4.3b,3.9 **¶620927969**
IDC VII 05 16 01 58.0–2.4 9.75S 113.78E 0 3.3,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=135.8km s-min=26.1km az=49.0.
IDC VII 07 08 43 52.1–9.3 7.27S 113.35E 0 3.7b,3.7 ¶620928098
IDC Error ellipse: s-maj=164.1km s-min=132.9km az=179.0.
ISC VII 08 09 26 27.3–1.6 8.99S–.06 111.77E–.03 10–11 3.5b 55 1-61
IDC VII 08 09 26 19.9–4.3 8.98S 111.34E 0 3.4,3.3b **¶620928170**
DJA VII 08 09 26 28.2–.20 9S–2.0 112E–1.0 10 4.1b,4.0
ISC Event type se.
ISC VII 08 21 28 45.1–1.5 8.59S–.05 107.91E–.03 26–13 3.4b 52 1-69
IDC VII 08 21 28 45.9–4.0 7.45S 108.53E 0 3.4b,3.4 **¶620928201**
DJA VII 08 21 28 49.4–.70 8S–3.0 108E–2.0 15–6 3.9,3.9
ISC Event type se.
ISC VII 10 02 52 50.7–2.2 6.1S–.30 107.2E–.50 35 4.1b 8 30-67
IDC VII 10 02 52 45.0–1.9 6.19S 107.02E 0 4.0b,4.0 **¶620928313**
ISC Event type se.
IDC Error ellipse: s-maj=76.7km s-min=20.9km az=51.0.
ISC VII 10 06 04 42.6–1.1 8.4S–.10 112.31E–.05 150 3.9b 55 0-36
DJA VII 10 06 04 42.6–.30 8S–7.0 112E–2.0 119–6 5.6b,5.0 **¶620928332**
IDC VII 10 06 04 55.5–18 8.94S 113.06E 172–137 4.0,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=141.1km s-min=115.9km az=42.0.
ISC VII 12 06 30 38.4–.45 6.30S–.04 106.09E–.04 150–3 4.7b 532 0-146
BJI VII 12 06 30 37.0 6.20S 106.10E 147 4.9b,4.7b **¶620787527**
GFZ VII 12 06 30 37.8–.16 6S–3.0 106E–2.0 151–1 5.0b,4.9
DJA VII 12 06 30 37.7–.10 6S–2.0 106E–1.0 148–1 5.6b,5.2b
NEIC VII 12 06 30 38.6–1.5 6.22S–.09 106.19E–.07 141–4 4.7b,5.2b
IDC VII 12 06 30 38.6–.94 6.08S 106.09E 146–7 4.6,4.1b
ISC Event type se.
GFZ Error ellipse: s-maj=8.2km s-min=2.9km az=31.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.1km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=8.3km az=65.0.
DJA VII 13 14 52 31.2–.30 9S–5.0 112E–2.0 86–6 4.7b,4.0 ¶626066599
DJA VII 14 11 05 30.7–.60 8S–3.0 109E–2.0 29–6 4.8b,4.0 ¶626066629
ISC VII 15 09 54 02.9–1.5 7.10S–.05 105.23E–.03 16–9 4.0b 66 1-145
IDC VII 15 09 54 00.6–.96 7.06S 105.11E 0 4.0L,3.9b **¶620928638**
NEIC VII 15 09 54 04.5–1.9 7.28S–.06 105.14E–.06 28–6 4.3b,3.9b
DJA VII 15 09 54 05.8–.70 7S–4.0 105E–3.0 10–4 4.0,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 27 16 21 48.7–.29 8.84S–.04 111.49E–.03 54–2 5.0b,3.9s 736 1-155
MOS VII 27 16 21 48.4–1.1 8.67S 111.47E 64 5.1b,3.9s **¶620856931**
NEIC VII 27 16 21 48.5–1.8 8.86S–.07 111.41E–.06 50–6 4.9b,3.9s
GFZ VII 27 16 21 49.7–.14 9S–2.0 111E–1.0 62 5.0b,4.8
DJA VII 27 16 21 50.6–.10 9S–2.0 111E–1.0 60–2 5.4b,5.4
IDC VII 27 16 21 51.4–1.6 8.56S 111.57E 68–13 4.7,4.5b
GCMT VII 27 16 21 52.8–.40 9.06S–.03 111.37E–.03 59–2 4.8W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107271621A. Moment Tensor Solution. s44,c46; s65,c83; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.11±.14 $M_{\theta\theta}$-2.08±.09; $M_{\phi\phi}$-0.02±.12; $M_{r\theta}$0.73±.07; $M_{\theta\phi}$0.58±.08; $M_{\phi r}$-0.07±.08; Best double couple: NP1:ϕ_s288.00000°,δ36.00000° ,λ95.00000°. NP2:ϕ_s101.00000°,δ54.00000°,λ86.00000°. Principal axes: T 2.2360,Plg80.0000°,Azm355.0000°; N 0.1200,Plg3.0000°,Azm104.0000° ; P -2.3510,Plg9.0000°,Azm194.0000° $M_0$2.29400×10^{16}
DJA VII 22 17 14 52.5–.10 7S–2.0 109E–1.0 10 4.3b,3.9 ¶626066924
ISC VII 28 11 56 20.7–.88 8.58S–.09 112.99E–.03 148–7 3.7b 50 0-67
IDC VII 28 11 56 19.8–13 8.89S 112.29E 156–130 3.7,3.5L **¶620979613**
DJA VII 28 11 56 22.8–.30 9S–6.0 113E–1.0 127–4 3.8,3.8
ISC Event type se.
ISC VII 29 17 49 06.2–1.7 8.91S–.08 111.46E–.03 7–11 3.1b 43 1-61
IDC VII 29 17 49 02.2–3.5 8.43S 111.56E 0 3.2b,3.2 **¶620984130**
DJA VII 29 17 49 08.0–.40 9S–3.0 111E–2.0 10 3.7,3.7
ISC Event type se.
ISC VIII 02 00 48 35.8–.49 7.60S–.05 109.44E–.03 190–3 4.3b 245 0-156
GFZ VIII 02 00 48 36.2–.21 8S–4.0 109E–2.0 192 4.6b,4.3 **¶620925860**
NEIC VIII 02 00 48 36.1–2.1 7.57S–.06 109.40E–.05 191–3 4.4b,4.3
IDC VIII 02 00 48 37.7–.64 7.31S 109.48E 198–5 4.4,3.9b
DJA VIII 02 00 48 37.9–.30 8S–4.0 109E–2.0 167–3 4.2,4.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 09 14 36 01.5–.31 8.23S–.04 109.03E–.03 78–2 4.7b 467 1-155
BJI VIII 09 14 35 58.8 8.20S 109.00E 69 5.2b,4.7b **¶620979036**
DJA VIII 09 14 36 01.4–.10 8S–2.0 109E–1.0 66–3 5.4b,5.1
GFZ VIII 09 14 36 01.7 8.19S 109.02E 77 4.7W,5.1
GFZ VIII 09 14 36 01.7–.16 8S–3.0 109E–2.0 77 4.9b,4.7
NEIC VIII 09 14 36 01.2–1.8 8.06S–.09 108.98E–.05 68–5 4.8b,4.7
IDC VIII 09 14 36 03.8–1.2 7.92S 109.17E 96–10 4.5,4.2b
GCMT VIII 09 14 36 05.0–.30 8.43S–.02 109.07E–.03 76–2 4.8W,4.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.52 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.15 $M_{r\theta}$1.19 $M_{\theta\phi}$0.14 $M_{\phi r}$-0.31 NP1: ϕ_s105.40393°,δ79.52056°,λ87.20524°. NP2:ϕ_s300.42780°,δ10.84169°,λ104.76752°. Principal axes: T 1.3650,Plg55.3959°,Azm11.9234°; N -0.0962,Plg2.7481°,Azm105.9126° ; P -1.2689,Plg34.4631°,Azm197.8005° $M_0$1.31958×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108091436A. Moment Tensor Solution. s48,c56; s85,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.90±.10 $M_{\theta\theta}$-2.14±.08; $M_{\phi\phi}$0.23±.10; $M_{r\theta}$0.74±.07; $M_{\theta\phi}$0.41±.09; $M_{\phi r}$-0.11±.06; Best double couple: NP1:ϕ_s280.00000°,δ35.00000° ,λ91.00000°. NP2:ϕ_s99.00000°,δ55.00000°,λ90.00000°. Principal axes: T 2.0320,Plg80.0000°,Azm8.0000°; N 0.3090,Plg0.0000°,Azm99.0000° ; P -2.3410,Plg10.0000°,Azm190.0000° $M_0$2.18600×10^{16}
ISC VIII 08 10 30 22.4–.83 7.84S–.05 107.25E–.05 62 3.3b 46 1-144
DJA VIII 08 10 30 22.4–.60 8S–4.0 107E–2.0 23–4 4.1,4.1 **¶621002127**
IDC VIII 08 10 30 23.6–4.2 6.32S 108.68E 54–42 3.7,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=23.5km az=32.0.
IDC VIII 10 16 31 11.1–3.8 8.25S 111.31E 0 3.5,3.4b ¶626591029
IDC Error ellipse: s-maj=220.2km s-min=29.1km az=49.0.
ISC VIII 19 20 07 39.8–.68 7.39S–.06 106.81E–.05 123–5 3.8b 124 0-70
NEIC VIII 19 20 07 40.0–1.5 7.40S–.07 106.80E–.05 120–7 4.1b **¶621039213**
DJA VIII 19 20 07 40.9–.20 7S–4.0 107E–2.0 108–2 5.3b,4.8b
IDC VIII 19 20 07 43.0–1.7 6.18S 107.95E 107–28 3.8,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.8km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.8km s-min=15.6km az=45.0.
ISC VIII 17 04 49 17.2–.56 8.30S–.04 107.58E–.04 35 4.3b 102 1-146
IDC VIII 17 04 49 10.6–.87 8.43S 107.04E 0 4.0b,4.0 **¶621030231**
DJA VIII 17 04 49 15.8–.30 8S–3.0 108E–2.0 10 4.8b,4.5
NEIC VIII 17 04 49 17.9–1.9 8.21S–.05 107.55E–.07 35–2 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 21 23 57.0–2.1 7.25S–.05 105.15E–.04 13–13 4.3b 103 1-145
IDC IX 18 21 23 53.9–1.1 7.38S 104.86E 0 3.8L,3.8b **¶621113591**
NEIC IX 18 21 23 56.4–1.6 7.45S–.07 104.97E–.06 10–1 4.6b,3.8b
DJA IX 18 21 24 02.4–.40 7S–2.0 105E–1.0 14–2 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 24 01 57 43.6–4.9 7.16S 108.94E 0 3.5b,3.5 ¶621049277
IDC Error ellipse: s-maj=295.0km s-min=25.5km az=49.0.
IDC IX 01 02 42 19.0–2.6 8.95S 111.57E 0 3.6b,3.6 ¶621080590
IDC Error ellipse: s-maj=149.9km s-min=20.8km az=48.0.
IDC IX 01 14 45 20.2–2.8 8.24S 113.64E 0 3.3b,3.3 ¶621080627
IDC Error ellipse: s-maj=166.6km s-min=24.4km az=50.0.
IDC IX 09 09 42 48.9–2.8 7.22S 109.09E 218–59 3.6,2.9b ¶621105869
IDC Error ellipse: s-maj=173.5km s-min=87.7km az=21.0.
ISC IX 14 09 08 42.6–.98 8.14S–.06 107.90E–.04 59–9 4.0b,3.1s 68 1-144
DJA IX 14 09 08 42.4–.70 8S–3.0 108E–2.0 16–5 4.4,4.4 **¶621110828**
IDC IX 14 09 08 47.8–.81 7.55S 108.27E 97–7 4.0,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=11.5km az=56.0.
ISC VIII 22 21 13 06.5–.86 8.24S–.05 107.57E–.05 47–7 4.6b,3.4s 321 1-155
GFZ VIII 22 21 13 02.2–.23 8S–2.0 108E–2.0 10 4.8b,4.6 **¶620999700**
DJA VIII 22 21 13 04.8–.20 8S–2.0 108E–1.0 10 5.2b,4.9
NEIC VIII 22 21 13 06.0–1.8 8.21S–.04 107.55E–.06 35–1 4.6b,4.9
IDC VIII 22 21 13 09.7–1.5 7.93S 107.69E 69–12 4.4,4.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.2km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=10.2km az=65.0.
IDC VIII 26 15 46 33.6–16 8.47S 112.12E 266–170 3.8,3.2b ¶621059003
IDC Error ellipse: s-maj=136.3km s-min=31.8km az=56.0.
IDC IX 22 00 28 35.3–4.6 7.21S 111.19E 0 4.0s,3.7b ¶621118107
IDC Error ellipse: s-maj=373.6km s-min=28.1km az=53.0.
ISC IX 20 12 42 45.5–1.2 9.0S–.10 113.23E–.04 100 3.5b 24 1-62
IDC IX 20 12 42 29.6–2.8 8.37S 113.37E 0 3.5b,3.5 **¶621115993**
DJA IX 20 12 42 46.8–.50 9S–7.0 113E–2.0 107–6 3.2,3.2
ISC Event type se.
ISC IX 18 23 38 50.3–.52 7.45S–.04 106.77E–.03 79–4 4.5b 290 0-156
NEIC IX 18 23 38 49.7–2.5 7.40S–.06 106.64E–.05 69–6 4.6b **¶621083001**
GFZ IX 18 23 38 50.2–.34 8S–5.0 107E–3.0 76–2 5.3b,4.9b
DJA IX 18 23 38 52.1–.20 8S–2.0 107E–1.0 44–3 5.6b,5.2b
IDC IX 18 23 38 53.0–.71 7.10S 106.84E 97–5 4.3,4.0b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.6km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=11.3km s-min=3.8km az=31.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=13.8km s-min=9.3km az=59.0.
ISC IX 26 13 15 45.2–1.0 8.17S–.06 107.91E–.03 10 3.3b 61 1-61
IDC IX 26 13 15 44.8–1.4 6.89S 108.97E 0 3.4b,3.4 **¶621131513**
DJA IX 26 13 15 47.4–.70 8S–4.0 108E–2.0 13–4 4.0,4.0
ISC Event type se.
ISC IX 29 05 58 46.7–1.1 8.61S–.08 110.15E–.04 64–11 3.6b 64 1-85
DJA IX 29 05 58 46.2–.70 9S–3.0 110E–2.0 20–6 4.4,4.4 **¶621146356**
IDC IX 29 05 58 48.4–2.2 8.23S 110.35E 90–23 3.8,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=43.3km s-min=15.8km az=37.0.
DJA X 02 06 34 34.9–.50 8S–3.0 107E–2.0 13–4 5.4b,5.1b
¶626702983
ISC X 08 20 11 55.9–.80 7.31S–.08 108.62E–.04 195–6 3.4b 134 0-68
DJA X 08 20 11 56.6–.10 7S–3.0 109E–1.0 187–1 5.4b,4.9 **¶621224676**
IDC X 08 20 11 57.7–2.3 7.35S 108.09E 207–12 3.7,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=171.4km s-min=23.4km az=49.0.
IDC X 08 18 09 18.9–1.8 7.79S 109.77E 0 3.6L,3.5b
¶621224671
IDC Error ellipse: s-maj=143.0km s-min=19.7km az=29.0.
ISC X 11 08 18 05.3–.72 6.89S–.06 106.58E–.05 125–5 3.9b 62 0-58
NEIC X 11 08 18 03.9–.71 6.80S–.09 106.50E–.07 106–9 4.1b **¶621236870**
DJA X 11 08 18 07.2–.40 7S–4.0 107E–3.0 101–4 3.3,3.3
IDC X 11 08 18 07.2–4.1 6.24S 107.13E 128–6 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.8km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.6km s-min=27.3km az=142.0.
ISC X 13 05 00 45.1–.44 8.86S–.04 110.94E–.03 51–4 4.8b,3.4s 443 1-148
BJI X 13 05 00 36.1 9.61S 111.45E 48 5.2b,4.9b **¶621146561**
NEIC X 13 05 00 44.1–1.4 8.94S–.06 110.97E–.06 47–6 4.8b,4.9b
IDC X 13 05 00 45.3–1.6 8.61S 111.03E 47–15 4.6,4.5L
GFZ X 13 05 00 45.7–.22 9S–3.0 111E–2.0 64–2 5.2b,5.2
DJA X 13 05 00 46.4–.10 9S–2.0 111E–1.0 51–2 5.3b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 11 12 17 42.7–.71 6.4S–.10 107.69E–.10 277–6 3.6b 43 0-84
IDC X 11 12 17 41.3–.53 6.25S 107.65E 263–5 3.8,3.2b **¶621236881**
DJA X 11 12 17 45.0–.70 7S–13 108E–6.0 265–5 2.9,2.9
ISC Event type se.
DJA X 12 15 21 59.7–.50 7S–4.0 105E–3.0 10 4.8b,4.0
¶626703655
ISC X 20 18 53 19.4–.99 7.84S–.05 106.40E–.05 43–10 4.1b 127 1-82
IDC X 20 18 53 13.6–.86 7.66S 106.13E 0 3.9b,3.9 **¶621246612**
NEIC X 20 18 53 17.4–2.0 7.90S–.09 106.46E–.08 35–2 4.5b,3.9
DJA X 20 18 53 18.6–.20 8S–2.0 106E–2.0 10 5.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA X 15 18 23 43.9–.30 8S–4.0 108E–2.0 89–3 6.0b,5.9b
¶626703848
ISC X 22 02 21 15.0–.26 8.67S–.03 112.52E–.03 77–2 5.3b 1183 0-171
MOS X 22 02 21 14.1–.98 8.49S 112.53E 81 5.4b **¶621236055**
DJA X 22 02 21 15.4–.10 9S–1.0 112E–1.0 79–1 5.6,5.6b
IDC X 22 02 21 15.7–1.2 8.55S 112.59E 80–10 5.1,4.9b
NEIC X 22 02 21 15.7–2.6 8.65S–.05 112.55E–.05 73–4 5.4b,4.9
GFZ X 22 02 21 16.6 8.65S 112.53E 80 4.9W,4.9
GFZ X 22 02 21 16.6–.29 9S–3.0 112E–2.0 89–3 5.5b,5.5L
NEIC X 22 02 21 16.3 8.64S 112.56E 78 5.5b,5.5L
GCMT X 22 02 21 17.8–.20 8.97S–.01 112.57E–.02 73–1 5.0W,5.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.19 $M_{\theta\theta}$-2.01 $M_{\phi\phi}$-0.18 $M_{r\theta}$1.34 $M_{\theta\phi}$0.57 $M_{\phi r}$-0.06 NP1:ϕ_s292.58000°,δ29.86000°,λ101.76000°. NP2:ϕ_s99.09000°,δ60.83000° ,λ83.33000°. Principal axes: T 2.5889,Plg73.0000°,Azm352.0000°; N -0.0492,Plg6.0000° ,Azm102.0000°; P -2.5396,Plg16.0000°,Azm194.0000° $M_0$2.56000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.60 $M_{\theta\theta}$-1.92 $M_{\phi\phi}$0.32 $M_{r\theta}$1.99 $M_{\theta\phi}$1.18 $M_{\phi r}$-0.08 NP1: ϕ_s94.55729°,δ69.07528°,λ70.61196°. NP2:ϕ_s319.13550°,δ28.22680°,λ130.96466°. Principal axes: T 2.5802,Plg61.1109°,Azm335.4875°; N 0.5922,Plg18.0635°,Azm101.7210° ; P -3.1724,Plg21.7454°,Azm199.1957° $M_0$2.92169×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110220221A. Moment Tensor Solution. s62,c82; s103,c152; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.19±.12 $M_{\theta\theta}$-3.82±.09; $M_{\phi\phi}$0.62±.11; $M_{r\theta}$1.50±.08; $M_{\theta\phi}$0.84±.09; $M_{\phi r}$-0.08±.08; Best double couple: NP1:ϕ_s285.00000°,δ34.00000° ,λ97.00000°. NP2:ϕ_s97.00000°,δ56.00000°,λ85.00000°. Principal axes: T 3.5000,Plg78.0000°,Azm351.0000°; N 0.7700,Plg4.0000°,Azm99.0000° ; P -4.2710,Plg11.0000°,Azm190.0000° $M_0$3.88600×10^{16}
ISC XI 10 00 33 41.6–.82 7.75S–.08 108.39E–.04 115–6 3.5b 63 0-82
IDC XI 10 00 33 41.9–1.2 7.35S 108.83E 111–16 3.7,3.3b **¶621440036**
DJA XI 10 00 33 43.5–.30 8S–4.0 108E–2.0 96–4 3.8,3.8
ISC Event type se.
ISC X 27 04 17 35.6–.92 8.98S–.05 110.92E–.04 44–10 4.2b,3.3s 165 1-95
GFZ X 27 04 17 34.7–1.2 9S–4.0 111E–2.0 24–11 5.7,5.5 **¶621241141**
NEIC X 27 04 17 35.5–1.4 8.91S–.06 110.91E–.04 35–1 4.1b,5.5
DJA X 27 04 17 35.2–.20 9S–2.0 111E–1.0 10 5.3b,4.8
IDC X 27 04 17 39.1–2.4 8.58S 111.13E 78–22 4.1,3.7b
ISC Event type se.
GFZ Error ellipse: s-maj=8.3km s-min=3.9km az=20.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.3km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.7km s-min=12.4km az=46.0.
ISC X 29 22 56 41.4–.77 7.54S–.05 106.66E–.03 54–7 3.9b,3.0s 106 0-144
DJA X 29 22 56 42.0–.30 8S–2.0 107E–1.0 27–2 5.6b,5.1 **¶621391467**
IDC X 29 22 56 43.4–2.8 7.24S 106.56E 82–23 3.8,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=13.1km az=59.0.
ISC XI 05 10 40 30.6–1.2 8.92S–.08 112.50E–.04 55–13 3.2b 50 1-62
IDC XI 05 10 40 23.8–2.9 8.49S 112.91E 0 3.2b,3.2 **¶621413968**
DJA XI 05 10 40 31.3–.40 9S–3.0 113E–1.0 32–5 3.9,3.9
ISC Event type se.
ISC X 22 03 40 21.0–.76 6.98S–.09 107.00E–.05 176–5 3.4b 56 0-82
IDC X 22 03 40 21.5–1.3 6.59S 107.12E 175–5 3.6,3.1b **¶621309310**
DJA X 22 03 40 22.0–.40 7S–5.0 107E–3.0 161–3 3.4,3.4
ISC Event type se.
ISC X 23 22 57 57.7–1.2 7.34S–.03 110.41E–.03 15–9 3.3b 30 0-101
DJA X 23 22 57 58.1–.20 7S–2.0 110E–2.0 10 3.5,3.5 **¶621309398**
IDC X 23 22 58 17.4–18 7.06S 110.79E 206–179 3.5,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=217.5km s-min=20.4km az=51.0.
ISC XI 01 12 13 32.8–.80 6.5S–.10 108.02E–.08 300 3.1b 41 0-67
DJA XI 01 12 13 32.8–1.1 7S–14 108E–7.0 297–10 3.3,3.3 **¶621401264**
IDC XI 01 12 13 33.0–.67 6.32S 107.87E 293–12 3.5,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=76.9km s-min=16.2km az=52.0.

ISC XI 16 04 09 21.7–.77 8.02S–.07 110.01E–.04 116–7 3.9b 55 0-82
IDC XI 16 04 09 13.6–1.3 9.06S 109.99E 0 3.8b,3.8 **¶621475660**
NEIC XI 16 04 09 22.4–1.1 8.02S–.07 110.01E–.03 119–5 4.0b,3.8
DJA XI 16 04 09 24.4–.70 8S–7.0 110E–3.0 82–9 3.6,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 11 18 19 26.5–.66 7.04S–.06 108.07E–.05 176–5 3.7b 99 0-83
IDC XI 11 18 19 25.7–.52 6.65S 108.22E 172–5 4.0,3.5b **¶621401369**
DJA XI 11 18 19 27.0–.20 7S–4.0 108E–2.0 166–3 5.3b,4.7
ISC Event type se.
ISC XI 15 11 09 03.5–.47 6.24S–.04 108.03E–.04 286–4 4.5b 394 0-157
NEIC XI 15 11 09 03.1–1.7 6.16S–.07 108.02E–.07 278–6 4.4b **¶621405037**
IDC XI 15 11 09 04.0–.47 6.13S 108.04E 285–4 4.6,4.0b
DJA XI 15 11 09 03.5–.10 6S–3.0 108E–1.0 295–2 5.0b,4.7b
GFZ XI 15 11 09 04.1–.25 6S–4.0 108E–3.0 282–3 5.0b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 10 02 50 08.6–.84 7.58S–.04 105.86E–.04 31–5 4.9b,3.7s 508 1-149
NEIC XI 10 02 50 07.8–1.7 7.59S–.03 105.83E–.05 21–4 5.1b,3.7s **¶621385758**
BJI XI 10 02 50 07.2 7.50S 105.90E 40 5.4b,5.0b
DJA XI 10 02 50 09.9–.30 8S–3.0 106E–2.0 45–2 5.5,5.4b
GFZ XI 10 02 50 10.2–.19 8S–3.0 106E–2.0 36 5.5b,5.0b
IDC XI 10 02 50 15.2–1.7 7.35S 106.00E 87–14 4.7,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=1.2km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=15.1km s-min=8.7km az=55.0.
ISC XII 02 03 28 17.2–.96 7.43S–.05 106.04E–.03 10 3.7b 62 0-145
IDC XII 02 03 28 18.5–1.2 5.26S 107.84E 0 3.6b,3.6 **¶626706440**
DJA XII 02 03 28 20.1–.30 7S–2.0 106E–1.0 22–2 4.6b,4.2
ISC Event type se.
DJA XI 24 09 21 54.7–.30 8S–2.0 107E–2.0 10 4.3b,4.0
¶626705754
DJA XI 28 04 54 34.5–.40 7S–4.0 106E–2.0 10 4.0,4.0
¶626705889
ISC XII 01 00 05 45.1–.76 7.23S–.03 107.67E–.02 10 3.7b,2.9s 66 0-88
IDC XII 01 00 05 41.7–9.2 6.35S 107.78E 0 3.9b,3.9 **¶621629772**
DJA XII 01 00 05 44.5–.10 7S–2.0 108E–1.0 10 3.9,3.8
ISC Event type se.
DJA XI 30 20 44 57.2–.90 9S–4.0 110E–1.0 20–8 4.3b,4.0
¶626706395
ISC XII 03 21 37 59.9–.47 6.17S–.05 112.97E–.05 599–5 4.2b 301 1-151
DJA XII 03 21 37 58.9–.50 7S–6.0 113E–2.0 620–7 4.7b,4.6b **¶621612048**
GFZ XII 03 21 37 59.9–.14 6S–3.0 113E–2.0 597–2 4.7b,4.6
NEIC XII 03 21 38 00.1–1.7 6.14S–.08 112.93E–.10 593–3 4.3b,4.6
IDC XII 03 21 38 00.2–.74 6.13S 113.05E 601–9 4.5,3.5b
ISC Event type se.
GFZ Error ellipse: s-maj=5.5km s-min=4.9km az=168.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=11.8km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.5km s-min=6.2km az=54.0.
ISC XII 07 22 18 33.5–.81 6.71S–.03 107.35E–.02 14–5 3.5b 57 0-41
DJA XII 07 22 18 33.5–.10 7S–2.0 107E–1.0 10 3.5,3.4 **¶621632710**
IDC XII 07 22 18 35.0–6.6 6.82S 107.85E 0 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=231.9km s-min=13.8km az=8.0.
ISC XII 24 09 39 29.7–1.2 7.3S–.30 112.2E–.30 200 3.6b 8 17-83
IDC XII 24 09 39 32.9–8.2 7.35S 112.13E 231–79 3.9,3.4b **¶621700079**
ISC Event type se.
IDC Error ellipse: s-maj=67.6km s-min=20.1km az=55.0.
ISC XII 15 23 01 33.0–.39 8.54S–.03 113.49E–.02 29–2 4.7b,3.6s 444 0-155
IDC XII 15 23 01 28.5–.38 8.44S 113.50E 0 4.6L,4.5b **¶621630891**
BJI XII 15 23 01 29.0 8.60S 113.50E 10 4.9b,4.6s
GFZ XII 15 23 01 31.7–.19 9S–3.0 113E–2.0 10 5.3L,5.2b
DJA XII 15 23 01 33.0–.10 9S–1.0 113E–1.0 10 5.4b,5.3
NEIC XII 15 23 01 33.6–1.7 8.49S–.08 113.55E–.04 29–4 4.8b,5.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 19 21 07 25.6–.40 9S–2.0 110E–1.0 11–3 4.1b,4.0
¶626707107
ISC XII 23 06 33 56.6–.80 7.19S–.05 105.29E–.04 41–7 4.6b,3.5s 225 1-145
NEIC XII 23 06 33 56.4–.97 7.20S–.06 105.29E–.06 35–1 4.5b,3.5s **¶621648343**
GFZ XII 23 06 33 56.1–.52 7S–6.0 105E–4.0 26–3 5.4b,5.0L
DJA XII 23 06 33 57.7–.50 7S–3.0 105E–2.0 11–3 5.4b,5.0b
IDC XII 23 06 34 04.2–1.6 6.80S 105.57E 101–12 4.5,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.8km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=14.6km s-min=5.4km az=33.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=17.9km s-min=7.3km az=44.0.
DJA XII 29 22 05 36.5–.40 8S–2.0 107E–1.0 19–3 4.6b,4.3
¶626707390

(278) Bali Sea.

ISC VIII 01 12 56 02.1–.46 7.49S–.05 116.30E–.04 351–5 4.3b 266 1-116
GFZ VIII 01 12 56 01.9–.14 8S–3.0 116E–2.0 357 4.8,4.5b **¶620925724**
IDC VIII 01 12 56 03.2–1.1 7.38S 116.35E 362–11 4.6,3.8b
NEIC VIII 01 12 56 03.1–2.1 7.44S–.05 116.36E–.06 354–8 4.4b,3.8b
DJA VIII 01 12 56 03.1–.20 8S–3.0 116E–1.0 337–2 5.1b,4.6b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 25 16 00 21.9–2.9 6.96S–.04 117.27E–.03 8–18 4.4b 116 1-86
IDC VII 25 16 00 20.8–.70 6.88S 117.31E 0 3.9b,3.9 **¶620973775**
DJA VII 25 16 00 22.4–.10 7S–2.0 117E–1.0 10 4.9b,4.6
NEIC VII 25 16 00 25.1–1.9 6.91S–.05 117.24E–.06 28–5 4.5b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 23 29 10.0–1.0 7.29S–.07 115.87E–.04 35 3.9b 33 1-71
IDC IX 27 23 29 04.2–3.0 7.45S 115.61E 0 3.7b,3.7 **¶621140752**
DJA IX 27 23 29 07.0–.40 7S–4.0 116E–2.0 10 3.7,3.7
ISC Event type se.
IDC VIII 25 12 36 36.4–17 7.68S 116.04E 195–123 3.6,3.1b
¶621058935
IDC Error ellipse: s-maj=166.9km s-min=115.8km az=52.0.
DJA VIII 25 19 18 12.7–.40 8S–3.0 118E–2.0 24–5 3.6,3.5
¶626189300
ISC VIII 30 13 03 34.4–1.3 7.88S–.04 117.69E–.03 16–8 4.2b,3.6s 91 0-88
IDC VIII 30 13 03 31.8–.72 7.77S 117.80E 0 4.1,4.0b **¶621011065**
NEIC VIII 30 13 03 33.8–1.7 7.82S–.06 117.66E–.04 10–1 4.3b,4.0b
DJA VIII 30 13 03 35.2–.30 8S–2.0 118E–1.0 20–3 4.7b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC XI 10 03 54 24.0–3.6 7.61S 116.12E 0 3.2b,3.2
¶621440042
IDC Error ellipse: s-maj=287.1km s-min=28.6km az=50.0.
ISC X 15 22 38 33.8–.51 7.70S–.05 115.37E–.04 290–5 4.1b 203 0-87 ¶621204463
GFZ X 15 22 38 34.0–.13 8S–2.0 115E–2.0 289–2 5.0b,4.5
NEIC X 15 22 38 34.5–1.9 7.67S–.07 115.35E–.06 287–2 4.3b,4.5
IDC X 15 22 38 35.0–1.2 7.57S 115.38E 310–12 4.1,3.3b
DJA X 15 22 38 35.0–.20 8S–4.0 115E–2.0 281–3 5.0b,4.3b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 14 04 21 20.7–.62 7.86S–.08 115.87E–.05 245–5 4.1b 61 1-82
NEIC X 14 04 21 16.8–1.5 7.28S–.09 116.39E–.08 194–8 4.2b **¶621240619**
IDC X 14 04 21 20.2–5.9 7.10S 116.67E 220–57 4.0,3.5b
DJA X 14 04 21 22.2–.60 8S–13 116E–3.0 243–5 3.1,3.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 31 09 05 22.4–.76 7.73S–.07 117.16E–.05 302 3.6b 39 1-72
IDC X 31 09 05 23.0–5.1 7.57S 117.28E 301–44 3.9,3.2b **¶621395236**
DJA X 31 09 05 22.1–.50 8S–7.0 117E–3.0 289–5 3.5,3.5
ISC Event type se.
ISC XI 07 04 36 35.6–.46 7.14S–.03 116.67E–.03 10 4.2b 101 1-89
NEIC XI 07 04 36 34.4–2.6 7.34S–.08 116.77E–.06 10–1 4.3b **¶621416020**
IDC XI 07 04 36 34.2–.67 7.08S 116.80E 0 4.0b,4.0
DJA XI 07 04 36 36.0–.20 7S–2.0 117E–1.0 10 4.8b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 21 45 47.1–.72 7.59S–.07 117.26E–.05 306 3.2b 40 1-62
DJA XII 16 21 45 48.1–.40 8S–9.0 117E–3.0 295–5 3.7,3.7 **¶621655809**
IDC XII 16 21 45 49.2–3.1 7.36S 117.56E 308–33 3.9,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=14.8km az=60.0.

(279) Flores Sea.

ISC VIII 05 05 06 07.4–.28 7.60S–.03 122.84E–.03 538–3 5.2b 955 1-168
BJI VIII 05 05 06 04.6 7.79S 123.30E 550 5.0b,4.8b **¶620969529**
IDC VIII 05 05 06 07.0–.46 7.57S 122.87E 530–5 5.2,4.3b
DJA VIII 05 05 06 06.7–.10 8S–1.0 123E–1.0 530–1 6.0,6.0b
GCMT VIII 05 05 06 07.9–.20 7.58S–.02 122.81E–.02 530–1 5.5W,6.0b
GFZ VIII 05 05 06 07.4–.16 8S–2.0 123E–2.0 529–3 5.6b,5.5
GFZ VIII 05 05 06 07.4 7.62S 122.81E 521 5.3W,5.5
NEIC VIII 05 05 06 07.5 7.60S 122.79E 550 5.4,5.5
NEIC VIII 05 05 06 07 7.60S 122.79E 525 5.4,5.5
NEIC VIII 05 05 06 07.8–1.1 7.60S–.08 122.82E–.09 541–6 5.1b,5.5
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202108050506A. Moment Tensor Solution. s114,c166;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.04 $M_{\theta\theta}$-2.22±.05; $M_{\phi\phi}$2.33±.05; $M_{r\theta}$0.69±.06; $M_{\theta\phi}$-0.38±.06; $M_{\phi r}$-0.22±.06; Best double couple: NP1:ϕ_s219.00000°,δ74.00000°,λ-7.00000°. NP2:ϕ_s311.00000°,δ83.00000°,λ-164.00000°. Principal axes: T 2.3930,Plg6.0000°,Azm84.0000° ; N 0.0580,Plg73.0000°,Azm333.0000°; P -2.4450,Plg16.0000°,Azm176.0000° $M_0$2.41900×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.06 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$1.13 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.55 $M_{\phi r}$-0.14 NP1: ϕ_s302.41274°,δ89.02252°,λ-164.59465°. NP2:ϕ_s212.14341°,δ74.59695°,λ-1.01390°. Principal axes: T 1.2866,Plg10.1223°,Azm76.2394°; N 0.0852,Plg74.5644°,Azm305.9555° ; P -1.3718,Plg11.5297°,Azm168.3265° $M_0$1.33126×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.44 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$1.02 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.35 $M_{\phi r}$-0.70 NP1:ϕ_s221.67000°,δ52.89000° ,λ15.60000°. NP2:ϕ_s122.11000°,δ77.62000°,λ141.85000°. Principal axes: T 1.6315,Plg35.0000°,Azm75.0000°; N 0.0406,Plg50.0000°,Azm287.0000° ; P -1.6721,Plg16.0000°,Azm177.0000° $M_0$1.65000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 07 22 53 17.7–1.5 6.14S–.04 122.79E–.05 18–10 4.1b 71 1-68
IDC VIII 07 22 53 15.7–.94 5.94S 122.97E 0 4.0L,3.9 **¶621000745**
NEIC VIII 07 22 53 17.4–.97 6.17S–.03 122.7E–.10 10–1 4.3b,3.9
DJA VIII 07 22 53 19.0–.50 6S–2.0 123E–2.0 25–6 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 26 23 33 28.1–5.6 7.78S 122.31E 199–105 3.7,3.5b
¶621059028
IDC Error ellipse: s-maj=225.6km s-min=75.4km az=53.0.
ISC VIII 13 09 03 57.6–.72 7.1S–.10 120.5E–.20 576 3.6b 31 2-143
NEIC VIII 13 09 03 57.0–1.7 7.1S–.10 120.40E–.10 566–11 4.1b **¶621012101**
IDC VIII 13 09 03 57.1–1.6 7.01S 120.55E 564–21 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=3.7km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.9km s-min=13.8km az=59.0.
IDC VIII 19 08 56 20.5–14 7.97S 118.35E 307–108 3.4,2.9s
¶621039175
IDC Error ellipse: s-maj=153.8km s-min=90.8km az=73.0.
ISC VIII 20 00 43 49.7–.40 7.74S–.03 118.93E–.03 10 4.5b,3.4s 156 1-146
IDC VIII 20 00 43 47.9–.59 7.66S 118.92E 0 4.4b,4.4 **¶620997439**
NEIC VIII 20 00 43 49.9–1.6 7.75S–.06 118.87E–.02 10–1 4.5b,4.4
GFZ VIII 20 00 43 49.8–.16 8S–2.0 119E–2.0 10 4.5b,4.5
DJA VIII 20 00 43 51.2–.80 8S–2.0 119E–2.0 20–8 4.9b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 20 17 47 26.3–.65 7.42S–.06 119.40E–.05 250 3.6b 61 1-68
NEIC VIII 20 17 47 26.4–2.7 7.4S–.10 119.45E–.04 251–11 4.2b **¶621041298**
DJA VIII 20 17 47 29.7–.50 8S–6.0 119E–3.0 257–5 2.8,2.8
IDC VIII 20 17 47 30.0–3.1 7.17S 120.20E 291–29 3.8,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=4.1km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=97.3km s-min=16.1km az=62.0.
ISC VIII 29 11 46 49.8–1.5 7.97S–.04 118.76E–.03 23–14 3.9b 50 0-68
DJA VIII 29 11 46 49.4–.40 8S–2.0 119E–1.0 13–4 4.4,4.4 **¶621073172**
IDC VIII 29 11 46 52.3–1.3 7.73S 119.92E 0 3.9b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=10.2km az=70.0.
ISC VIII 27 20 40 01.0–.58 7.51S–.05 120.21E–.05 375–6 4.0b 85 1-77
NEIC VIII 27 20 40 01.6–1.6 7.39S–.09 120.25E–.10 385–4 4.2b **¶621072177**
IDC VIII 27 20 40 02.3–.73 7.09S 120.88E 394–7 4.2,3.3b
DJA VIII 27 20 40 04.1–.40 8S–3.0 120E–2.0 357–4 3.6,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 10 49 54.9–.97 7.4S–.20 121.2E–.30 550 3.5b 12 3-74
IDC IX 01 10 49 54.6–.93 7.37S 121.22E 540–11 4.0,3.0b **¶621080618**
ISC Event type se.
IDC Error ellipse: s-maj=46.8km s-min=12.3km az=57.0.
ISC IX 05 05 32 16.0–1.5 7.6S–.20 119.5E–.40 550 3.3b 9 3-68
IDC IX 05 05 32 17.5–1.4 7.34S 119.86E 566–10 3.7,2.8b **¶621086383**
ISC Event type se.
IDC Error ellipse: s-maj=67.7km s-min=13.1km az=62.0.
IDC IX 25 16 33 48.8–18 7.20S 119.22E 0 3.7b,3.5
¶621131462
IDC Error ellipse: s-maj=323.8km s-min=208.5km az=4.0.
ISC X 12 15 25 18.2–.42 7.32S–.06 120.35E–.08 556 4.0b 152 0-83
DJA X 12 15 25 16.7–.30 7S–3.0 120E–2.0 553–4 6.2,6.2 **¶621146423**
NEIC X 12 15 25 18.0–2.1 7.30S–.09 120.32E–.09 539–8 4.1b,6.2
IDC X 12 15 25 18.0–.62 7.18S 120.55E 545–7 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=12.5km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.4km s-min=8.2km az=57.0.
ISC IX 30 08 29 07.6–.76 6.12S–.07 122.56E–.08 10 4.0b 18 1-74
IDC IX 30 08 29 06.8–1.1 6.38S 122.42E 0 3.8b,3.8 **¶621147753**
DJA IX 30 08 29 08.3–.50 6S–4.0 123E–5.0 10 3.9,3.9
ISC Event type se.
ISC X 21 19 34 36.6–.53 6.04S–.04 122.60E–.05 10 4.1b,3.0s 133 1-73
IDC X 21 19 34 35.3–.82 6.00S 122.63E 0 3.8L,3.8b **¶621235962**
NEIC X 21 19 34 36.9–1.5 6.00S–.06 122.53E–.05 10–1 4.3b,3.8b
GFZ X 21 19 34 36.6–.21 6S–2.0 123E–3.0 10 4.4b,4.4b
DJA X 21 19 34 37.7–.10 6S–1.0 123E–2.0 10 4.8b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 14 03 20 23.9–.26 7.62S–.02 122.28E–.03 14–1 7.4s,6.3b 2570 1-174
MOS XII 14 03 20 21.6–1.4 7.51S 122.31E 10 7.4s,6.5b **¶621629136**
IDC XII 14 03 20 21.4–.27 7.48S 122.32E 0 5.5,5.4b
NEIC XII 14 03 20 23.8–1.2 7.60S–.04 122.23E–.06 14–2 7.4,7.2
GFZ XII 14 03 20 23.0 7.61S 122.26E 12 7.3W,7.2
NEIC XII 14 03 20 24.4 7.60S 122.20E 18 7.3W,7.2
DJA XII 14 03 20 24.5–.10 8S–1.0 122E–1.0 20 7.5,7.4
IPGP XII 14 03 20 24.0 7.60S 122.20E 15 7.5W,7.4
NEIC XII 14 03 20 24.1 7.62S 122.21E 15 7.5W,7.4
NEIC XII 14 03 20 24.1 7.62S 122.21E 15 7.5W,7.4
BJI XII 14 03 20 24.0 7.60S 122.20E 35 7.7s,7.6
GFZ XII 14 03 20 24.3–.11 8S–2.0 122E–2.0 10 7.3,7.2b
PTWC XII 14 03 20 26 7.70S 122.30E 62 7.7,7.2b
GCMT XII 14 03 20 35.3–.10 7.46S 121.97E 14–0 7.3W,7.2b
NEIC XII 14 03 20 38.3 7.76S 122.02E 35 7.4,7.2b
NEIC XII 14 03 20 42.4 7.80S 122.40E 18 7.3,7.2b
ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=4.2km az=115.6. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s303.00000°,δ80.00000°,λ-174.00000°. NP2: ϕ_s212.00000°,δ84.00000°,λ-10.00000°. Principal axes: T Plg3.0000°,Azm258.0000° ; N Plg78.0000°,Azm2.0000°; P Plg11.0000°,Azm167.0000°
IDC Error ellipse: s-maj=13.5km s-min=6.6km az=73.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.28 $M_{\theta\theta}$-5.11 $M_{\phi\phi}$4.83 $M_{r\theta}$-0.04 $M_{\theta\phi}$-5.31 $M_{\phi r}$0.26 NP1:ϕ_s21.57000°,δ88.88000°,λ1.84000°. NP2:ϕ_s291.53000°,δ88.16000° ,λ178.88000°. Principal axes: T 7.1385,Plg2.0000°,Azm247.0000°; N 0.2691,Plg88.0000° ,Azm53.0000°; P -7.4077,Plg1.0000°,Azm157.0000° $M_0$7.28000×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}0.05 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.56 $M_{r\theta}$-0.14 $M_{\theta\phi}$-0.80 $M_{\phi r}$0.02 NP1: ϕ_s108.18047°,δ89.25573°,λ-171.91527°. NP2:ϕ_s18.07475°,δ81.91596°,λ-0.75174°. Principal axes: T 0.9698,Plg5.1781°,Azm242.8445°; N 0.0587,Plg81.8813°,Azm113.4053° ; P -1.0284,Plg6.2359°,Azm333.4118° $M_0$1.00040×10^{20}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s288.00000°,δ71.00000°,λ170.00000°. NP2:ϕ_s21.00000° ,δ80.00000°,λ20.00000°.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function. ID: C202112140320A. Moment Tensor Solution. s167,c414; s169,c811;Duration: 11s5 Moment tensor: Scale 10^{20}Nm; M_{rr}0.02±.00 $M_{\theta\theta}$-0.75±.00; $M_{\phi\phi}$0.73±.00; $M_{r\theta}$-0.39±.03; $M_{\theta\phi}$-0.99±.00; $M_{\phi r}$0.14±.02; Best double couple: NP1:ϕ_s19.00000°,δ71.00000°,λ1.00000°. NP2:ϕ_s288.00000°,δ89.00000°,λ161.00000°. Principal axes: T 1.2990,Plg14.0000°,Azm242.0000°; N 0.0070,Plg71.0000°,Azm106.0000° ; P -1.3060,Plg12.0000°,Azm335.0000° $M_0$1.30300×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 26s6 Moment tensor: Scale 10^{20}Nm; M_{rr}0.08 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$0.81 $M_{r\theta}$-0.23 $M_{\theta\phi}$-1.06 $M_{\phi r}$-0.20 NP1:ϕ_s18.88000°,δ85.11000° ,λ-10.24000°. NP2:ϕ_s109.76000°,δ79.80000°,λ-175.04000°. Principal axes: T 1.3233,Plg4.0000°,Azm65.0000°; N 0.1298,Plg79.0000°,Azm174.0000° ; P -1.4531,Plg11.0000°,Azm334.0000° $M_0$1.39000×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 24s2 Moment tensor: Scale 10^{20}Nm; M_{rr}0.01 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.88 $M_{\phi r}$0.03 NP1:ϕ_s20.52000°,δ86.89000°,λ0.60000°. NP2:ϕ_s290.49000°,δ89.40000°,λ176.89000°. Principal axes: T 1.1562,Plg3.0000° ,Azm245.0000°; N 0.0110,Plg87.0000°,Azm100.0000°; P -1.1672,Plg2.0000°,Azm336.0000° $M_0$1.16000×10^{20}
ISC XI 04 21 46 29.1–.80 7.61S–.05 119.40E–.05 274–7 3.3b 46 1-68
IDC XI 04 21 46 30.4–2.0 7.45S 119.53E 289–17 3.7,3.1b **¶621412318**
DJA XI 04 21 46 30.0–.40 8S–3.0 119E–3.0 267–5 3.3,3.3
ISC Event type se.
ISC XII 08 23 44 46.5–.27 7.58S–.04 119.29E–.04 300 4.6b 489 1-155
BJI XII 08 23 44 43.0 7.60S 119.30E 278 4.7b,4.6b **¶621622168**
NEIC XII 08 23 44 45.6–1.4 7.51S–.07 119.27E–.06 283–3 4.7b,4.6b
DJA XII 08 23 44 46.3–.10 8S–1.0 119E–1.0 283–1 5.3b,5.0
GFZ XII 08 23 44 46.4–.22 8S–3.0 119E–2.0 279–3 5.2b,4.8b
IDC XII 08 23 44 46.3–.98 7.53S 119.27E 292–9 4.7,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.9km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=14.1km s-min=6.9km az=59.0.
ISC XI 04 08 20 54.9–.65 7.70S–.07 122.72E–.08 300 4.0b 33 1-65
IDC XI 04 08 20 54.5–3.7 7.02S 123.74E 271–41 3.8,3.0b **¶621412285**
NEIC XI 04 08 20 55.4–.74 7.68S–.10 122.69E–.09 301–7 4.0b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 16 23 59 23.6–.68 7.67S–.06 122.71E–.06 300 4.2b 67 1-82
DJA XI 16 23 59 21.8–.60 8S–4.0 123E–3.0 314–7 4.3b,3.8b **¶621475698**
NEIC XI 16 23 59 23.7–2.0 7.64S–.09 122.8E–.10 289–7 4.4b,3.8b
IDC XI 16 23 59 23.5–1.1 7.67S 122.77E 285–8 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=11.3km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.7km s-min=11.7km az=62.0.
DJA XII 01 02 50 40.0–.20 8S–2.0 123E–2.0 10 4.9b,4.1
¶626706414
ISC X 26 10 22 01.8–.31 7.70S–.04 119.83E–.04 250 4.3b 233 1-155
GFZ X 26 10 22 03.8–.23 8S–4.0 120E–3.0 266–3 4.9b,4.5b **¶621239852**
NEIC X 26 10 22 03.0–1.4 7.62S–.07 119.85E–.07 258–5 4.3b,4.5b
IDC X 26 10 22 04.7–.93 7.61S 120.09E 278–8 4.4,3.7b
DJA X 26 10 22 04.8–.60 8S–3.0 120E–3.0 250–8 5.0b,4.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 06 14 24 13.0–.48 7.76S–.03 119.02E–.04 35 4.2b 136 1-82

IDC XII 06 14 24 08.1–.64 7.69S 118.94E 0 4.0L,4.0b ¶621614097
GFZ XII 06 14 24 09.8–.18 8S–2.0 119E–2.0 10 4.4,4.3
NEIC XII 06 14 24 10.3–1.6 7.71S–.04 119.00E–.07 10–1 4.3b,4.3
DJA XII 06 14 24 12.7–.10 8S–2.0 119E–1.0 27 4.9b,4.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 14 05 36 18.2–.60 7S–8.0 122E–5.0 10 3.9,3.7
¶626706806
NEIC XII 14 03 23 30.4–2.5 7.61S–.04 122.25E–.06 10–1 5.7b
¶622512173
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 05 43 15.5–1.4 7.60S–.04 122.34E–.03 16–10 4.1b 52 1-82
DJA XII 14 05 43 15.5–.20 8S–2.0 122E–1.0 10 4.9b,4.5 ¶621652881
IDC XII 14 05 43 18.9–.86 7.67S 122.90E 0 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=73.6km s-min=13.3km az=65.0.
ISC XII 14 03 25 27.4–.32 7.58S–.05 122.29E–.06 10 5.7b 122 1-153
IDC XII 14 03 25 25.6–.59 7.54S 122.32E 0 5.4b,5.4 ¶621629138
NEIC XII 14 03 25 27.9–1.4 7.61S–.04 122.25E–.04 10–1 5.8b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 14 05 44 01.1–2.3 7.71S 122.48E 0 3.8b,3.8
¶621652884
IDC Error ellipse: s-maj=196.5km s-min=35.3km az=50.0.
ISC XII 14 05 46 41.1–.30 7.53S–.03 121.75E–.03 10 4.8b 279 1-154
IDC XII 14 05 46 39.4–.49 7.39S 121.67E 0 4.7,4.6b ¶621629143
BJI XII 14 05 46 39.3 7.40S 121.80E 10 5.6s,5.5b
NEIC XII 14 05 46 40.5–1.6 7.55S–.05 121.74E–.07 10–1 5.0b,5.5b
GFZ XII 14 05 46 41.7–.19 7S–3.0 122E–4.0 10 6.3b,6.0
DJA XII 14 05 46 44.1–.10 8S–1.0 122E–1.0 30 6.2b,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 14 06 09 50.5–.56 7.36S–.04 121.30E–.04 10 4.4b 60 1-97
IDC XII 14 06 09 49.2–.73 6.83S 121.96E 0 4.2b,4.1 ¶621652888
DJA XII 14 06 09 50.6–.20 7S–2.0 121E–2.0 10 6.1b,5.8
ISC Event type se.
ISC XII 14 03 38 14.6–.43 7.58S–.03 121.52E–.05 10 4.4b 80 1-82
IDC XII 14 03 38 12.8–.83 7.76S 121.39E 0 4.2b,4.2 ¶621652860
NEIC XII 14 03 38 14.7–1.2 7.71S–.06 121.40E–.08 10–1 4.6b,4.2
DJA XII 14 03 38 15.1–.30 8S–2.0 121E–3.0 10 6.4,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 03 41 55.1–.42 7.83S–.03 122.51E–.03 10 4.3b 139 1-154
IDC XII 14 03 41 53.1–.62 7.62S 122.61E 0 4.2b,4.2 ¶621652861
DJA XII 14 03 41 55.4–.30 8S–1.0 122E–1.0 10–3 6.3,5.5
NEIC XII 14 03 41 55.5–1.6 7.78S–.04 122.48E–.06 10–2 4.5b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 14 04 24 52.3–2.2 7.63S 121.23E 0 3.5,3.4L
¶621652871
IDC Error ellipse: s-maj=231.7km s-min=29.8km az=54.0.
ISC XII 14 04 28 38.4–.52 7.60S–.03 122.26E–.04 10 4.4b 77 1-82
IDC XII 14 04 28 38.3–.85 7.32S 122.49E 0 4.4L,4.3 ¶621652872
NEIC XII 14 04 28 39.1–.87 7.56S–.03 122.30E–.06 10–1 4.5b,4.3
DJA XII 14 04 28 40.1–2.1 8S–2.0 122E–2.0 22–22 5.0,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 06 32 57.0–.84 7.61S–.04 122.21E–.04 10 34 1-82
DJA XII 14 06 32 56.7–1.7 8S–3.0 122E–2.0 15–16 4.1,4.0 ¶621652889
IDC XII 14 06 32 56.9–1.6 7.59S 122.22E 0 3.8,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=91.1km s-min=21.8km az=61.0.
ISC XII 14 04 34 03.1–1.4 7.58S–.03 121.64E–.04 12–9 4.4b 124 1-93
IDC XII 14 04 34 01.5–.64 7.42S 121.66E 0 4.3b,4.3 ¶621652873
DJA XII 14 04 34 03.2–.10 8S–1.0 122E–1.0 10 6.0b,5.6
NEIC XII 14 04 34 04.2–2.0 7.56S–.03 121.67E–.05 10–1 4.5b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 03 46 17.1–.59 7.63S–.07 121.8E–.10 10 4.2b 32 1-82
IDC XII 14 03 46 16.2–.84 7.58S 121.73E 0 4.0L,4.0 ¶621629150
NEIC XII 14 03 46 17.8–1.5 7.67S–.06 121.77E–.09 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 03 47 01.1–1.3 7.49S–.02 121.76E–.03 8–8 4.7b 239 1-156
IDC XII 14 03 46 59.7–.53 7.30S 121.76E 0 4.7L,4.4b ¶621652862
GFZ XII 14 03 47 01.0–.18 8S–2.0 122E–2.0 10 5.4,5.4
DJA XII 14 03 47 02.8–.50 8S–1.0 122E–1.0 14–4 6.2,5.7
NEIC XII 14 03 47 02.5–1.6 7.38S–.06 121.76E–.09 10–1 5.1b,5.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 06 35 17.3–.83 7.37S–.05 121.29E–.07 10 4.1b 20 1-68
IDC XII 14 06 35 16.1–1.8 7.16S 121.43E 0 3.9b,3.8 ¶621652890
DJA XII 14 06 35 17.5–.30 7S–3.0 121E–4.0 10 3.9,3.8
ISC Event type se.
ISC XII 14 08 57 33.3–.58 7.63S–.04 121.93E–.05 10 4.0b 66 1-80
IDC XII 14 08 57 31.8–.90 7.42S 122.05E 0 3.9b,3.8 ¶621652904
NEIC XII 14 08 57 33.0–2.7 7.67S–.06 121.68E–.07 10–1 4.1b,3.8
DJA XII 14 08 57 34.0–.80 8S–2.0 122E–2.0 15–7 4.3,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 04 01 31.1–1.4 7.69S–.03 122.34E–.04 13–9 4.2b 66 1-69
DJA XII 14 04 01 30.2–.20 8S–2.0 122E–2.0 10 5.3,4.8 ¶621652864
IDC XII 14 04 01 30.6–.86 7.49S 122.60E 0 4.0b,3.9
NEIC XII 14 04 01 31.9–.72 7.90S–.07 122.0E–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 04 36 39.1–1.2 7.46S–.05 121.53E–.07 10 15 1-64
DJA XII 14 04 36 39.5–.50 7S–3.0 122E–4.0 10 4.3,4.2 ¶621652874
IDC XII 14 04 36 46.7–2.0 6.64S 123.31E 0 3.7b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=223.1km s-min=31.3km az=58.0.
ISC XII 14 09 51 21.3–1.4 7.41S–.08 122.31E–.05 10 16 1-65
DJA XII 14 09 51 19.3–.60 7S–4.0 122E–3.0 10 3.6,3.5 ¶621652910
IDC XII 14 09 51 27.2–2.5 8.07S 121.51E 0 3.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=295.1km s-min=31.3km az=54.0.
ISC XII 14 04 47 10.4–.62 7.51S–.04 121.64E–.05 10 4.1b 42 1-82
DJA XII 14 04 47 10.5–.30 8S–3.0 122E–3.0 10 4.3,4.2 ¶621652875
NEIC XII 14 04 47 10.4–.87 7.35S–.07 122.0E–.10 10–1 4.2b,4.2
IDC XII 14 04 47 15.7–3.6 7.35S 122.01E 51–36 4.0,3.9b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=22.1km s-min=7.8km az=65.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=81.9km s-min=20.1km az=60.0.
ISC XII 14 04 50 19.6–.51 7.53S–.03 121.64E–.04 10 4.3b 62 1-93
IDC XII 14 04 50 18.5–.67 7.36S 121.71E 0 4.2b,4.1 ¶621652876
DJA XII 14 04 50 19.2–.20 7S–2.0 122E–3.0 10 4.3,4.3
NEIC XII 14 04 50 20.2–.97 7.55S–.07 121.52E–.08 10–1 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 07 43 03.0–.98 7.77S–.06 122.49E–.05 10 22 1-65
IDC XII 14 07 43 02.2–1.8 7.49S 122.65E 0 3.5b,3.4 ¶621652897
DJA XII 14 07 43 03.2–.40 8S–4.0 122E–3.0 10 4.3,4.3
ISC Event type se.
ISC XII 14 07 44 06.6–.46 7.58S–.04 121.74E–.04 10 4.5b 74 1-93
IDC XII 14 07 44 04.8–.58 7.44S 121.74E 0 4.3b,4.3 ¶621629199
DJA XII 14 07 44 06.5–.20 8S–2.0 122E–3.0 10 4.3,4.3
NEIC XII 14 07 44 06.9–1.7 7.54S–.04 121.88E–.08 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 04 09 39.2–.72 7.61S–.04 122.14E–.04 10 4.0b 50 1-69
IDC XII 14 04 09 37.9–1.0 7.31S 122.40E 0 3.8L,3.8 ¶621652866
DJA XII 14 04 09 39.0–.30 8S–3.0 122E–2.0 10 4.9,4.5
NEIC XII 14 04 09 40.1–1.8 7.63S–.04 122.0E–.10 10–1 4.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 04 16 10.2–1.3 7.50S–.02 121.63E–.03 9–8 4.5b 92 1-82
IDC XII 14 04 16 09.2–.59 7.25S 122.00E 0 4.3b,4.2 ¶621652868
NEIC XII 14 04 16 10.8–1.1 7.50S–.09 121.6E–.20 10–1 4.4b,4.2
DJA XII 14 04 16 12.3–.20 8S–1.0 122E–2.0 10 5.0,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 10 09 46.4–1.9 7.53S–.06 121.71E–.04 17–13 22 1-64
IDC XII 14 10 09 44.7–2.4 7.52S 121.59E 0 3.3s,3.2b ¶621652911
DJA XII 14 10 09 46.6–.90 8S–3.0 122E–2.0 15–9 3.8,3.7
ISC Event type se.
ISC XII 14 04 22 48.8–1.9 7.76S–.05 122.51E–.04 12–14 26 1-57
DJA XII 14 04 22 49.3–.80 8S–4.0 122E–2.0 12–7 5.1,4.5 ¶621652869
IDC XII 14 04 22 49.9–1.8 7.39S 123.48E 0 3.7L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=75.9km s-min=24.1km az=75.0.
DJA XII 14 13 23 29.7–.40 8S–2.0 123E–1.0 34–7 3.5,3.5
¶626706738
DJA XII 14 10 51 10.2–.20 8S–2.0 122E–3.0 10 4.4b,3.8
¶626706755
ISC XII 14 05 16 28.3–1.1 7.35S–.05 121.28E–.06 10 17 1-64
IDC XII 14 05 16 22.8–1.9 6.39S 121.93E 0 3.4b,3.3 ¶621652879
DJA XII 14 05 16 28.8–.80 7S–3.0 121E–4.0 12–7 4.0,3.7
ISC Event type se.
ISC XII 14 08 01 14.3–1.4 7.5S–.10 121.64E–.10 10 7 1-31
DJA XII 14 08 01 15.0–1.4 8S–9.0 122E–7.0 11–21 3.9,3.8 ¶621652900
IDC XII 14 08 01 32.2–13 8.79S 122.32E 0 3.9b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=285.2km s-min=154.0km az=27.0.
ISC XII 14 08 12 02.6–.53 7.92S–.04 122.32E–.05 10 4.1b 52 1-82
NEIC XII 14 08 12 01.8–1.7 7.86S–.03 122.31E–.07 10–1 4.2b ¶621652901
IDC XII 14 08 12 04.9–.93 7.72S 122.14E 0 4.0,3.9b
DJA XII 14 08 12 08.4–.90 8S–3.0 123E–4.0 33–20 4.5,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 08 22 58.7–1.5 7.6S–.10 122.34E–.05 10 14 1-65
DJA XII 14 08 23 00.0–2.8 8S–9.0 122E–4.0 22–29 3.7,3.6 ¶621652902
IDC XII 14 08 23 02.7–1.9 7.37S 123.34E 0 3.3b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=189.2km s-min=29.5km az=57.0.
ISC XII 14 13 30 18.6–1.5 7.68S–.04 122.41E–.04 8–10 4.4b 66 1-82
IDC XII 14 13 30 16.8–1.4 7.48S 122.34E 0 4.0b,3.9 ¶621652922
DJA XII 14 13 30 18.0–.20 8S–2.0 122E–2.0 10 4.1,4.0
NEIC XII 14 13 30 21.1–1.6 7.88S–.05 122.33E–.06 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 08 31 31.5–.48 7.64S–.03 122.35E–.03 14–2 5.4b,4.6s 844 1-164
IDC XII 14 08 31 28.9–.34 7.57S 122.19E 0 5.1b,5.1 ¶621629155
MOS XII 14 08 31 28.7–.83 7.57S 122.31E 10 5.6b,5.1
BJI XII 14 08 31 30.0 7.60S 122.30E 10 5.6b,5.3b
NEIC XII 14 08 31 31.4–1.7 7.61S–.05 122.32E–.06 10–1 5.6b,5.3b
GFZ XII 14 08 31 31.7 7.59S 122.39E 11 5.2W,5.3b
GFZ XII 14 08 31 32.1–.14 8S–2.0 122E–2.0 10 5.7b,5.4L
DJA XII 14 08 31 32.9–.40 8S–1.0 122E–1.0 16–3 5.8b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}6.92 $M_{\theta\theta}$-6.37 $M_{\phi\phi}$-0.55 $M_{r\theta}$2.84 $M_{\theta\phi}$-2.67 $M_{\theta r}$-0.74 NP1: ϕ_e81.75784°,δ55.65299°,λ105.48958°. NP2:ϕ_e235.59824°,δ37.28352°,λ68.65392°.
Principal axes: T 7.7038,Plg74.0622°,Azm35.2072°; N 0.0993,Plg12.7382°,Azm252.8712° ; P -7.8031,Plg9.4191°,Azm160.7220° M_o7.75392×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 14 17 06 07.5–1.6 7.42S–.03 121.72E–.04 6–12 3.6b 34 1-69
IDC XII 14 17 06 07.2–2.0 7.31S 121.75E 0 3.4,3.3L ¶621652940
DJA XII 14 17 06 09.5–.20 8S–2.0 122E–2.0 10 3.7,3.7
ISC Event type se.
ISC XII 14 08 36 37.4–.65 7.60S–.08 122.2E–.10 10 4.2b 22 1-82
IDC XII 14 08 36 35.8–.99 7.60S 122.11E 0 4.2b,4.2 ¶621652903
NEIC XII 14 08 36 37.8–1.2 7.67S–.06 122.13E–.10 10–1 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 14 21 25 27.1–.20 8S–1.0 122E–1.0 10 3.8b,3.6
¶626706664
ISC XII 14 17 15 44.1–.97 7.59S–.06 122.52E–.04 10 27 1-65
IDC XII 14 17 15 44.0–1.7 7.68S 122.14E 0 3.4b,3.4 ¶621652943
DJA XII 14 17 15 44.1–.40 8S–4.0 123E–2.0 10 3.4,3.4
ISC Event type se.
ISC XII 14 17 21 18.1–.85 7.59S–.04 121.80E–.04 10 36 1-65
IDC XII 14 17 21 16.3–1.8 7.31S 122.10E 0 3.4b,3.3 ¶621652944
DJA XII 14 17 21 19.3–1.8 8S–2.0 122E–2.0 21–19 3.5,3.5
ISC Event type se.
ISC XII 14 14 40 16.6–.58 7.50S–.04 121.76E–.04 10 4.1b 56 1-82
IDC XII 14 14 40 15.2–.96 7.24S 121.76E 0 3.8b,3.8 ¶621652929
NEIC XII 14 14 40 16.5–.84 7.34S–.05 121.83E–.06 10–1 4.3b,3.8
DJA XII 14 14 40 17.4–1.0 8S–3.0 122E–2.0 14–9 4.0,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 22 01 41.9–1.6 7.54S–.03 121.61E–.04 3–10 4.8b,3.9s 277 1-154
IDC XII 14 22 01 41.6–.51 7.45S 121.33E 0 4.6,4.5L ¶621630096
GFZ XII 14 22 01 42.8–.15 8S–2.0 122E–2.0 10 5.2b,4.8b
DJA XII 14 22 01 43.3–.10 8S–1.0 122E–1.0 10 5.3b,5.0b
NEIC XII 14 22 01 43.6–2.3 7.55S–.06 121.57E–.07 10–1 4.9b,5.0b
BJI XII 14 22 01 43.0 7.50S 121.60E 10 5.1b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=10.5km az=71.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.9km az=238.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**14 22 17 05.1–2.6**	**7.68S–.03**	**122.38E–.04**	**4–17**	**4.7b,3.9s**	**163**	**1-94**	
IDC	XII	14 22 17 05.0–.62	7.43S	122.52E	0	4.2b,4.2			¶621630103
DJA	XII	14 22 17 06.4–.50	8S–2.0	122E–1.0	13–5	5.0b,4.8b			
BJI	XII	14 22 17 06.7	7.66S	122.01E	7	5.1b,5.0s			
GFZ	XII	14 22 17 06.3–.23	8S–3.0	122E–3.0	10	5.0b,4.8			
NEIC	XII	14 22 17 06.0–1.8	7.67S–.03	122.30E–.06	10–1	4.8b,4.8			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**15 03 52 34.7–.47**	**7.25S–.04**	**121.18E–.04**	**10**	**4.4b,3.6s**	**122**	**1-99**	
IDC	XII	15 03 52 34.2–.69	7.44S	120.93E	0	4.1b,4.1			¶621654075
DJA	XII	15 03 52 35.3–.10	7S–1.0	121E–2.0	10	4.8b,4.7b			
NEIC	XII	15 03 52 35.0–2.1	7.20S–.06	121.16E–.08	10–1	4.5b,4.7b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DJA	**XII**	**14 18 40 18.8–.50**	**8S–1.0**	**122E–1.0**	**23–5**	**4.0b,3.9**			
									¶626706694
ISC	**XII**	**15 04 49 54.2–1.3**	**7.54S–.03**	**121.75E–.04**	**11–9**	**4.1b**	**75**	**1-82**	
IDC	XII	15 04 49 53.7–1.1	7.16S	122.07E	0	3.9b,3.8			¶621654078
NEIC	XII	15 04 49 54.7–1.8	7.70S–.09	121.5E–.20	10–1	4.2b,3.8			
DJA	XII	15 04 49 56.4–.20	8S–1.0	122E–2.0	10	3.9,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**15 04 53 11.3–.73**	**7.98S–.04**	**121.71E–.04**	**15–4**	**4.9b,3.7s**	**303**	**1-98**	
IDC	XII	15 04 53 08.8–.63	7.86S	121.58E	0	4.6,4.5b			¶621630206
BJI	XII	15 04 53 09.2	8.00S	121.80E	10	4.9b,4.7b			
NEIC	XII	15 04 53 10.6–1.8	7.88S–.05	121.76E–.08	10–1	4.9b,4.7b			
GFZ	XII	15 04 53 11.6–.14	8S–2.0	122E–2.0	19	5.2b,4.8b			
DJA	XII	15 04 53 11.7–.30	8S–1.0	122E–1.0	11–3	5.4b,4.9b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**15 09 14 30.4–.43**	**7.43S–.03**	**121.22E–.04**	**10**	**4.7b,3.4s**	**121**	**1-87**	
IDC	XII	15 09 14 28.8–.65	7.42S	121.13E	0	4.2b,4.2			¶621654094
NEIC	XII	15 09 14 30.9–1.3	7.40S–.03	121.18E–.07	10–1	4.7b,4.2			
DJA	XII	15 09 14 31.3–.10	7S–1.0	121E–1.0	10	4.6b,4.4			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**15 10 56 17.8–.86**	**7.32S–.04**	**121.31E–.04**	**10**		**28**	**1-56**	
IDC	XII	15 10 56 12.7–5.7	5.80S	122.59E	0	3.6s,3.3L			¶621654102
DJA	XII	15 10 56 17.8–.20	7S–2.0	121E–3.0	10	3.4,3.4			

ISC Event type se.

ISC	**XII**	**15 14 23 45.7–2.2**	**7.71S–.03**	**122.53E–.03**	**2–17**		**45**	**1-65**	
DJA	XII	15 14 23 48.4–.20	8S–2.0	123E–1.0	10	3.5,3.4			¶621654117
IDC	XII	15 14 23 49.6–1.8	7.43S	123.44E	0	3.4b,3.4			

ISC Event type se.
IDC Error ellipse: s-maj=77.8km s-min=22.7km az=70.0.

ISC	**XII**	**15 11 47 30.2–.83**	**7.63S–.03**	**122.44E–.04**	**10**		**35**	**1-65**	
IDC	XII	15 11 47 29.5–1.8	6.91S	123.47E	0	3.4,3.3L			¶621654105
DJA	XII	15 11 47 31.8–.70	8S–3.0	122E–2.0	13–6	3.6,3.5			

ISC Event type se.

ISC	**XII**	**15 14 47 05.9–1.3**	**7.53S–.02**	**122.40E–.02**	**7–8**	**4.2b**	**116**	**1-82**	
IDC	XII	15 14 47 05.9–.70	7.43S	122.44E	0	4.0b,3.9			¶621654119
NEIC	XII	15 14 47 06.6–.73	7.54S–.04	122.35E–.09	10–1	4.3b,3.9			
DJA	XII	15 14 47 08.0–.10	8S–1.0	122E–1.0	10	4.2,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**15 12 03 38.2–1.2**	**7.39S–.02**	**121.28E–.02**	**2–10**		**61**	**1-64**	
IDC	XII	15 12 03 38.8–1.6	7.20S	121.40E	0	3.3L,3.3			¶621654108
DJA	XII	15 12 03 40.7–.10	7S–1.0	121E–1.0	10	3.5,3.5			

ISC Event type se.

DJA	**XII**	**15 18 51 44.5–.70**	**8S–3.0**	**122E–2.0**	**14–5**	**3.0,2.9**			
									¶621654135
ISC	**XII**	**15 20 43 04.1–1.7**	**7.53S–.03**	**121.89E–.03**	**13–12**		**48**	**1-65**	
IDC	XII	15 20 43 02.3–2.1	7.30S	121.94E	0	3.5b,3.5			¶621654139
DJA	XII	15 20 43 04.3–.50	8S–1.0	122E–1.0	14–4	3.6,3.6			

ISC Event type se.

ISC	**XII**	**15 22 24 02.5–.34**	**7.31S–.03**	**121.15E–.03**	**10**	**4.6b,3.7s**	**202**	**1-93**	
BJI	XII	15 22 23 57.1	8.00S	121.40E	10	4.9b,4.4b			¶621630946
NEIC	XII	15 22 24 01.7–.79	7.36S–.05	121.09E–.06	10–1	4.7b,4.4b			
IDC	XII	15 22 24 01.2–.59	7.04S	121.38E	0	4.1b,4.1			
DJA	XII	15 22 24 03.0–.10	7S–1.0	121E–1.0	10	5.5b,5.0b			
GFZ	XII	15 22 24 04.3–.19	7S–3.0	121E–3.0	10	5.7b,5.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**15 17 42 37.4–.42**	**7.56S–.04**	**121.65E–.05**	**10**	**4.4b,3.8s**	**147**	**1-97**	
IDC	XII	15 17 42 35.9–.61	7.64S	121.25E	0	4.2,4.1b			¶621654129
NEIC	XII	15 17 42 37.7–2.2	7.57S–.06	121.62E–.08	10–1	4.5b,4.1b			
DJA	XII	15 17 42 38.6–.10	8S–1.0	122E–1.0	10	5.3b,4.7b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**15 22 44 48.9–1.4**	**7.18S–.02**	**121.25E–.03**	**1–11**		**39**	**1-64**	
IDC	XII	15 22 44 51.0–1.3	6.98S	121.54E	0	3.4L,3.4			¶621654148
DJA	XII	15 22 44 52.3–.60	7S–2.0	121E–2.0	19–5	3.5,3.5			

ISC Event type se.

ISC	**XII**	**16 04 00 16.2–.84**	**6.78S–.04**	**122.94E–.04**	**10**		**62**	**1-64**	
IDC	XII	16 04 00 14.8–1.6	6.59S	123.17E	0	3.7L,3.7b			¶621655753
DJA	XII	16 04 00 16.0–.20	7S–1.0	123E–2.0	10	4.3b,3.9			

ISC Event type se.

DJA	**XII**	**16 05 00 39.6–.20**	**8S–2.0**	**122E–2.0**	**10**	**3.7,3.5**			
									¶626706997
ISC	**XII**	**16 16 39 13.2–.91**	**7.78S–.05**	**122.48E–.03**	**10**		**32**	**1-65**	
IDC	XII	16 16 39 11.9–2.2	7.68S	122.29E	0	3.4,3.3L			¶621655795
DJA	XII	16 16 39 14.5–.50	8S–3.0	122E–2.0	14–4	3.5,3.4			

ISC Event type se.

DJA	**XII**	**16 07 54 20.7–.20**	**7S–1.0**	**121E–3.0**	**10**	**3.6,3.6**			
									¶626706989
ISC	**XII**	**16 20 12 41.2–.67**	**7.19S–.03**	**121.20E–.03**	**10**	**4.4b**	**66**	**1-99**	
IDC	XII	16 20 12 38.4–1.1	6.07S	122.39E	0	4.2b,4.0			¶621655807
DJA	XII	16 20 12 43.7–.10	7S–1.0	121E–1.0	10	4.6b,4.0			

ISC Event type se.

DJA	**XII**	**17 19 37 02.4–.60**	**8S–1.0**	**122E–2.0**	**15–5**	**3.7b,3.6**			
									¶626707022
ISC	**XII**	**17 02 31 17.6–1.6**	**7.56S–.04**	**121.65E–.04**	**8–12**		**37**	**1-64**	
IDC	XII	17 02 31 17.0–2.0	7.83S	121.29E	0	3.4L,3.4b			¶621656908
DJA	XII	17 02 31 18.0–.20	8S–2.0	122E–2.0	10	3.8,3.8			

ISC Event type se.

ISC	**XII**	**18 07 31 48.4–1.5**	**7.57S–.03**	**122.40E–.03**	**3–11**		**43**	**1-65**	
IDC	XII	18 07 31 49.1–1.8	6.58S	123.75E	0	3.6b,3.6			¶621656981
DJA	XII	18 07 31 52.3–.30	8S–2.0	122E–1.0	52–11	3.7,3.6			

ISC Event type se.

ISC	**XII**	**18 02 10 40.8–1.2**	**7.28S–.03**	**121.19E–.03**	**6–8**	**4.6b,3.7s**	**190**	**1-107**	
IDC	XII	18 02 10 40.4–.67	7.33S	120.83E	0	4.1,4.0b			¶621633373
GFZ	XII	18 02 10 41.8–.14	7S–2.0	121E–2.0	10	5.2b,4.6			
DJA	XII	18 02 10 42.0–.10	7S–1.0	121E–1.0	10	4.6,4.5			
NEIC	XII	18 02 10 42.3–2.0	7.27S–.06	121.14E–.07	10–1	4.8b,4.5			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**18 02 14 51.1–1.7**	**7.25S–.02**	**121.17E–.03**	**2–12**		**48**	**1-64**	
IDC	XII	18 02 14 51.3–1.3	7.24S	121.12E	0	3.8,3.5b			¶621656966
DJA	XII	18 02 14 52.3–.20	7S–1.0	121E–1.0	10	3.9,3.9			

ISC Event type se.

ISC	**XII**	**17 17 19 27.8–.75**	**7.18S–.04**	**120.49E–.07**	**10**	**3.8b**	**32**	**0-83**	
DJA	XII	17 17 19 20.2–.20	7S–2.0	121E–2.0	10	4.0,3.9			¶621656939
IDC	XII	17 17 19 32.0–1.9	7.10S	120.66E	44–21	3.6,3.4b			

ISC Event type se.
IDC Error ellipse: s-maj=86.1km s-min=11.1km az=60.0.

ISC	**XII**	**18 06 09 44.4–1.5**	**7.51S–.03**	**121.67E–.03**	**3–11**	**3.6s**	**46**	**1-93**	
IDC	XII	18 06 09 44.4–1.3	7.51S	121.55E	0	3.7b,3.6			¶621656975
DJA	XII	18 06 09 45.2–.20	8S–1.0	122E–1.0	10	3.8,3.8			

ISC Event type se.

DJA	**XII**	**17 20 41 06.2–.20**	**8S–1.0**	**122E–1.0**	**10**	**7.4b,7.2b**			
									¶626707021
ISC	**XII**	**19 04 07 13.6–.93**	**7.45S–.04**	**122.01E–.04**	**10**		**45**	**1-65**	
DJA	XII	19 04 07 13.2–.20	7S–2.0	122E–2.0	10	4.0b,3.9			¶621657055
IDC	XII	19 04 07 14.4–1.9	6.88S	122.79E	0	3.7s,3.6b			

ISC Event type se.
IDC Error ellipse: s-maj=298.1km s-min=28.7km az=57.0.

ISC	**XII**	**18 16 24 26.0–1.1**	**7.62S–.04**	**122.30E–.03**	**60–19**		**42**	**1-43**	
IDC	XII	18 16 24 25.7–1.9	7.27S	122.98E	0	3.6b,3.6			¶621657013
DJA	XII	18 16 24 26.1–.20	8S–2.0	122E–2.0	50–17	3.9,3.8			

ISC Event type se.

ISC	**XII**	**18 15 05 01.0–.39**	**7.20S–.03**	**121.27E–.03**	**10**	**4.3b,3.3s**	**76**	**1-93**	
NEIC	XII	18 15 05 01.8–2.1	7.19S–.04	121.38E–.08	10–1	4.6b,3.3s			¶621657010
DJA	XII	18 15 05 01.3–.30	7S–2.0	121E–2.0	10	4.0,4.0			
IDC	XII	18 15 05 02.1–.82	6.80S	121.67E	0	3.8b,3.8			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=4.9km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.5km s-min=10.6km az=57.0.

ISC	**XII**	**19 08 01 24.4–1.3**	**7.96S–.04**	**122.97E–.03**	**11–10**		**42**	**0-65**	
IDC	XII	19 08 01 24.6–1.6	7.81S	122.85E	0	3.6b,3.6			¶621657066
DJA	XII	19 08 01 24.4–.30	8S–2.0	123E–1.0	12–3	3.8,3.8			

ISC Event type se.

ISC	**XII**	**18 21 05 59.4–1.2**	**7.95S–.03**	**119.76E–.03**	**9–8**	**4.2b**	**70**	**1-82**	
IDC	XII	18 21 05 59.1–1.1	7.95S	119.45E	0	3.9b,3.9			¶621657034
NEIC	XII	18 21 05 59.6–1.1	7.94S–.05	119.72E–.08	10–1	4.5b,3.9			
DJA	XII	18 21 06 00.3–.20	8S–2.0	120E–1.0	10	4.1,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**19 12 38 48.6–.67**	**7.26S–.03**	**121.19E–.03**	**10**	**4.0b**	**65**	**1-68**	
IDC	XII	19 12 38 48.8–1.1	7.35S	120.95E	0	3.8b,3.8			¶621657082
DJA	XII	19 12 38 50.7–.50	7S–1.0	121E–1.0	22–5	4.7b,4.2			

ISC Event type se.

DJA	**XII**	**19 18 51 47.5–.10**	**7S–1.0**	**121E–1.0**	**10**	**6.2b,5.9**			
									¶626707117
DJA	**XII**	**19 14 50 49.7–.50**	**7S–1.0**	**121E–1.0**	**14–4**	**3.8,3.8**			
									¶626707124
ISC	**XII**	**20 04 17 47.4–.72**	**7.79S–.03**	**120.35E–.04**	**10**	**3.9b**	**39**	**1-68**	
IDC	XII	20 04 17 45.9–1.2	7.70S	120.45E	0	3.8b,3.8			¶621685582
DJA	XII	20 04 17 48.2–.40	8S–2.0	120E–2.0	11–4	4.0,3.9			

ISC Event type se.

DJA	**XII**	**19 15 12 51.6–.60**	**8S–2.0**	**122E–1.0**	**30–7**	**3.6,3.4**			
									¶626707122
DJA	**XII**	**19 22 01 32.3–.80**	**7S–2.0**	**122E–2.0**	**18–7**	**4.1b,3.7**			
									¶626707106
DJA	**XII**	**19 22 07 20.0–.70**	**7S–1.0**	**122E–1.0**	**19–6**	**4.0b,3.7**			
									¶626707105
ISC	**XII**	**25 10 03 45.9–.61**	**7.51S–.03**	**121.63E–.04**	**10**	**4.2b**	**83**	**1-97**	
NEIC	XII	25 10 03 44.4–1.7	7.20S–.06	122.04E–.09	10–1	4.3b			¶621700143
IDC	XII	25 10 03 44.7–.85	6.92S	122.27E	0	4.0b,3.9			
DJA	XII	25 10 03 46.5–.10	8S–1.0	122E–2.0	10	4.3b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**20 07 06 18.0–1.6**	**7.33S–.03**	**121.50E–.04**	**10–11**	**4.1b**	**65**	**1-79**	
NEIC	XII	20 07 06 18.9–1.7	7.20S–.05	121.76E–.02	10–1	4.1b			¶621685593
IDC	XII	20 07 06 18.1–.89	6.97S	121.93E	0	3.9b,3.9			
DJA	XII	20 07 06 20.1–.20	7S–2.0	121E–2.0	10	4.0,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**21 05 53 26.0–.34**	**6.04S–.04**	**122.11E–.04**	**10**	**4.8b,3.2s**	**300**	**1-131**	
IDC	XII	21 05 53 25.1–.50	5.96S	122.07E	0	4.6b,4.6			¶621635040
NEIC	XII	21 05 53 26.2–.69	6.00S–.04	122.13E–.07	10–1	4.9b,4.6			
DJA	XII	21 05 53 26.8–.10	6S–1.0	122E–2.0	10	5.1b,4.8b			
GFZ	XII	21 05 53 27.4–.14	6S–2.0	122E–2.0	19	5.1b,4.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**21 11 14 55.0–1.6**	**7.35S–.03**	**121.32E–.04**	**12–11**	**4.0b,3.5s**	**93**	**1-90**	
IDC	XII	21 11 14 52.8–1.2	7.77S	120.36E	0	3.9L,3.8			¶621685681
DJA	XII	21 11 14 57.7–.50	7S–1.0	121E–1.0	31–8	6.1b,5.7			

ISC Event type se.

ISC	**XII**	**21 22 25 16.9–1.4**	**7.90S–.05**	**122.42E–.03**	**14–10**		**39**	**1-65**	
DJA	XII	21 22 25 16.9–.20	8S–2.0	122E–1.0	10	3.7,3.7			¶621685710
IDC	XII	21 22 25 16.0–1.6	7.51S	122.84E	0	3.5,3.3b			

ISC Event type se.
IDC Error ellipse: s-maj=70.0km s-min=15.4km az=57.0.

ISC	**XII**	**22 14 56 25.7–1.7**	**7.56S–.03**	**121.73E–.03**	**35–5**		**57**	**1-64**	
IDC	XII	22 14 56 21.8–1.5	7.08S	122.18E	0	3.5b,3.4			¶621686774
DJA	XII	22 14 56 25.3–.70	8S–1.0	122E–1.0	34–12	3.7,3.6			

ISC Event type se.

ISC	**XII**	**24 21 07 46.3–.68**	**7.55S–.03**	**121.91E–.04**	**10**	**3.8b**	**76**	**1-91**	
IDC	XII	24 21 07 45.1–.81	7.09S	122.30E	0	3.8b,3.8			¶621700105
DJA	XII	24 21 07 46.6–.80	8S–2.0	122E–2.0	14–7	5.0b,4.3			

ISC Event type se.

ISC	**XII**	**26 22 51 49.9–.80**	**7.54S–.05**	**121.94E–.04**	**10**	**4.0b**	**42**	**1-69**	
IDC	XII	26 22 51 48.6–.97	7.09S	122.37E	0	3.8b,3.8			¶621700266
NEIC	XII	26 22 51 50.1–1.7	7.30S–.07	122.16E–.07	10–1	4.1b,3.8			
DJA	XII	26 22 51 50.2–.90	8S–3.0	122E–2.0	13–8	3.8,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**25 22 34 38.9–.78**	**7.45S–.03**	**121.46E–.04**	**10**		**55**	**1-69**	
IDC	XII	25 22 34 38.7–1.5	6.24S	123.20E	0	3.5L,3.4			¶626707279
DJA	XII	25 22 34 39.5–.20	7S–1.0	121E–1.0	10	4.4b,3.9			

ISC Event type se.

ISC	**XII**	**27 21 53 47.1–1.4**	**7.30S–.03**	**121.08E–.04**	**10–10**		**47**	**1-64**	
IDC	XII	27 21 53 44.6–1.7	7.64S	120.41E	0	3.7b,3.6			¶621717342
DJA	XII	27 21 53 47.2–.40	7S–1.0	121E–2.0	10–3	3.5,3.5			

ISC Event type se.

DJA	**XII**	**27 19 33 00.4–.60**	**8S–2.0**	**122E–2.0**	**14–5**	**3.7,3.6**			
									¶626707326
DJA	**XII**	**27 22 12 28.8–.10**	**7S–1.0**	**121E–2.0**	**10**	**4.0b,3.9**			
									¶626707323
ISC	**XII**	**28 14 35 60.0–1.7**	**6.82S–.03**	**120.77E–.08**	**5–13**		**24**	**0-63**	
DJA	XII	28 14 36 01.1–.30	7S–2.0	121E–3.0	10	3.2,3.2			¶621717394

IDC XII 28 14 36 01.2–1.5 6.45S 121.29E 0 3.4,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=129.5km s-min=17.5km az=47.0.
ISC XII 28 10 46 19.4–1.3 7.71S–.09 118.61E–.09 10 13 1-63
IDC XII 28 10 46 18.0–2.6 7.19S 119.06E 0 3.6L,3.6b ¶621717385
DJA XII 28 10 46 21.4–.80 8S–9.0 119E–5.0 81–12 3.8,3.8
ISC Event type se.
ISC XII 29 07 05 40.5–.91 7.46S–.04 121.97E–.04 10 3.8b 29 1-73
DJA XII 29 07 05 40.4–.30 7S–3.0 122E–3.0 10 3.8,3.8 ¶621724187
IDC XII 29 07 05 41.0–1.4 6.82S 123.02E 0 3.7b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=189.6km s-min=24.9km az=55.0.
DJA XII 30 20 48 22.5–1.1 8S–2.0 122E–2.0 16–11 3.8b,3.5
¶626707406
ISC XII 29 20 57 16.7–.88 7.93S–.04 122.41E–.03 10 44 1-65
IDC XII 29 20 57 16.3–2.1 8.40S 121.67E 0 3.7L,3.6b ¶621724256
DJA XII 29 20 57 16.7–.20 8S–2.0 122E–2.0 10 3.8,3.8
ISC Event type se.

(280) Banda Sea.

IDC VII 01 01 58 43.9–2.2 6.90S 128.67E 0 3.7L,3.5
¶620927650
IDC Error ellipse: s-maj=191.1km s-min=27.0km az=65.0.
ISC VII 01 02 20 55.0–.50 6.31S–.05 128.17E–.07 353 3.7b 59 3-152
IDC VII 01 02 20 54.8–1.0 6.30S 128.21E 347–11 4.3,3.5b ¶620927653
NEIC VII 01 02 20 55.8–1.2 6.31S–.08 128.08E–.04 349–10 4.2b,3.5b
DJA VII 01 02 20 56.7–.30 6S–3.0 128E–4.0 345–5 5.5b,5.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 01 09 25 44.3–6.1 6.51S 130.61E 241–69 3.4,3.0b
¶620927662
IDC Error ellipse: s-maj=151.1km s-min=25.3km az=74.0.
IDC VII 01 16 33 42.7–2.8 6.57S 129.44E 103–40 3.3,3.2b
¶620927679
IDC Error ellipse: s-maj=64.0km s-min=16.7km az=95.0.
IDC VII 01 22 16 26.6–2.4 5.22S 129.72E 0 3.6b,3.4L
¶620927697
IDC Error ellipse: s-maj=161.3km s-min=29.6km az=69.0.
ISC VII 02 00 10 10.6–.84 6.21S–.05 129.98E–.07 35 3.8b 30 2-77
IDC VII 02 00 10 05.8–.94 6.12S 129.93E 0 3.9b,3.9 ¶620927701
DJA VII 02 00 10 09.8–1.1 6S–3.0 130E–3.0 18–11 4.2b,4.0
ISC Event type se.
ISC VII 02 17 18 37.5–.54 7.54S–.05 128.56E–.05 151 3.8b 49 3-82
NEIC VII 02 17 18 38.1–1.7 7.47S–.07 128.55E–.06 149–8 4.0b ¶620927765
IDC VII 02 17 18 40.2–1.9 7.41S 128.48E 165–22 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.0km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.2km s-min=17.1km az=68.0.
IDC VII 03 07 19 01.6–1.4 6.89S 128.51E 0 3.6L,3.6b
¶620927796
IDC Error ellipse: s-maj=45.5km s-min=16.0km az=79.0.
IDC VII 03 08 52 06.4–12 7.30S 129.14E 328–140 3.5,3.3b
¶620927799
IDC Error ellipse: s-maj=107.7km s-min=49.2km az=66.0.
ISC VII 03 11 04 31.7–.75 6.25S–.05 130.36E–.06 150 3.6b 36 2-72
IDC VII 03 11 04 30.7–2.6 6.38S 130.30E 130–32 3.8,3.5b ¶620927801
DJA VII 03 11 04 32.5–.30 6S–2.0 130E–3.0 157–7 4.9b,4.2
ISC Event type se.
ISC VII 03 15 47 46.2–.85 6.41S–.06 130.5E–.20 150 10 6-68
IDC VII 03 15 47 47.0–2.8 6.29S 129.92E 116–39 4.0,3.4b ¶620927817
ISC Event type se.
IDC Error ellipse: s-maj=59.4km s-min=20.5km az=85.0.
ISC VII 03 19 33 55.3–.42 6.67S–.06 123.63E–.09 633 3.9b 84 2-83
IDC VII 03 19 33 55.9–.85 6.66S 123.64E 639–12 4.1,3.1b ¶620927831
NEIC VII 03 19 33 55.7–1.3 6.6S–.10 123.6E–.10 633–8 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 03 21 32 49.8–.30 6.91S–.03 129.85E–.04 104 4.6b 233 2-151
IDC VII 03 21 32 47.0–2.0 6.84S 129.89E 80–19 4.6,4.2b ¶620733436
BJI VII 03 21 32 50.0 6.90S 130.00E 119 5.1b,4.7b
GFZ VII 03 21 32 51.4–.16 7S–2.0 130E–2.0 124 4.7b,4.7
DJA VII 03 21 32 52.3–.10 7S–2.0 130E–1.0 120–3 5.4b,4.9
NEIC VII 03 21 32 52.0–1.4 6.86S–.06 129.94E–.06 124–6 4.5b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 04 01 27 35.7–.68 5.82S–.09 125.1E–.10 550 22 4-106
IDC VII 04 01 25 37.8–44 2.10N 122.55E 0 5.2s,4.2b ¶622499381
NEIC VII 04 01 27 36.4–1.3 5.83S–.05 125.2E–.20 556–11 4.9b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 04 06 13 31.7–2.2 6.81S 129.69E 0 3.5b,3.4L
¶620927862
IDC Error ellipse: s-maj=163.0km s-min=26.0km az=68.0.
ISC VII 04 14 29 13.3–.63 6.96S–.06 129.10E–.08 200 4.0b 31 2-83
IDC VII 04 14 29 11.8–2.5 6.94S 128.92E 172–30 3.8,3.1b ¶620927882
NEIC VII 04 14 29 13.8–.95 6.96S–.08 129.04E–.09 194–9 4.5b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 04 20 12 22.2–1.9 6.61S 129.02E 0 3.7L,3.5b
¶620927903
IDC Error ellipse: s-maj=115.9km s-min=21.3km az=67.0.
IDC VII 04 20 23 16.4–8.0 7.13S 129.45E 148–81 3.7,3.0b
¶620927904
IDC Error ellipse: s-maj=75.5km s-min=33.7km az=59.0.
IDC VII 06 06 41 39.3–15 6.66S 128.13E 250–180 3.6,2.9b
¶620928008
IDC Error ellipse: s-maj=111.6km s-min=62.1km az=67.0.
IDC VII 06 10 04 43.3–1.8 6.68S 129.30E 0 4.1L,4.0b
¶620928022
IDC Error ellipse: s-maj=125.6km s-min=19.2km az=67.0.
IDC VII 06 16 29 01.5–2.0 6.16S 129.21E 0 3.7b,3.4L
¶620928048
IDC Error ellipse: s-maj=150.5km s-min=24.5km az=67.0.
ISC VII 07 12 44 51.6–.65 4.08S–.04 129.19E–.04 137–6 4.0b 113 1-75
NEIC VII 07 12 44 51.4–1.5 4.12S–.08 129.13E–.06 128–11 4.2b ¶620928116
IDC VII 07 12 44 51.7–1.9 4.12S 129.56E 145–20 4.2,3.6b
DJA VII 07 12 44 52.8–.20 4S–2.0 129E–1.0 121–2 5.1b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 08 02 58 48.5–.39 7.74S–.03 127.79E–.03 142 4.4b 118 3-151
GFZ VII 08 02 58 49.1–.28 8S–3.0 128E–3.0 169–4 4.3b,4.3 ¶620780026
NEIC VII 08 02 58 50.5–1.7 7.68S–.05 127.77E–.04 168–7 4.8b,4.3
IDC VII 08 02 58 51.0–1.6 7.61S 127.69E 160–16 4.3,3.6b
DJA VII 08 02 58 53.4–.50 8S–4.0 128E–3.0 106–21 5.0b,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 08 11 27 17.5–.85 7.63S–.06 128.49E–.09 150 12 5-72
IDC VII 08 11 27 19.6–1.9 7.49S 128.18E 155–22 4.3,3.4s ¶620928181
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=19.0km az=123.0.
ISC VII 09 01 53 33.1–.30 7.28S–.04 126.20E–.05 450 4.5b 394 1-149
NEIC VII 09 01 53 32.8–1.4 7.25S–.08 126.17E–.02 438–6 4.5b ¶620783823
GFZ VII 09 01 53 33.3–.24 7S–3.0 126E–4.0 446–3 4.9b,4.5
IDC VII 09 01 53 33.2–.90 7.25S 126.24E 448–10 4.8,4.0b
DJA VII 09 01 53 33.1–.10 7S–2.0 126E–1.0 435–3 5.3,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC VII 09 06 13 52.0–8.1 7.40S 129.99E 203–89 3.0,2.7b
¶620928229
IDC Error ellipse: s-maj=131.2km s-min=35.2km az=73.0.
IDC VII 09 13 46 22.3–2.6 5.57S 130.54E 0 3.5L,3.5b
¶620928265
IDC Error ellipse: s-maj=166.2km s-min=27.5km az=70.0.
IDC VII 09 14 05 33.9–2.1 6.34S 128.56E 0 3.9L,3.5
¶620928266
IDC Error ellipse: s-maj=147.7km s-min=26.7km az=65.0.
IDC VII 09 14 49 17.2–2.4 6.63S 130.12E 174–31 3.5,3.2b
¶620928270
IDC Error ellipse: s-maj=59.8km s-min=17.2km az=83.0.
ISC VII 09 20 42 56.0–.45 5.53S–.04 127.22E–.05 10 4.3b 104 2-148
IDC VII 09 20 42 55.9–.60 5.34S 127.04E 0 4.3L,4.1 ¶620928282
NEIC VII 09 20 42 57.1–2.0 5.48S–.05 127.17E–.05 10–1 4.4b,4.1
DJA VII 09 20 42 59.0–1.9 5S–3.0 127E–2.0 22–18 5.1,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 10 00 12 20.6–3.0 6.54S 129.38E 104–42 3.6,3.3b
¶620928292
IDC Error ellipse: s-maj=67.3km s-min=22.4km az=91.0.
ISC VII 10 03 38 18.0–.32 5.22S–.04 128.65E–.05 300 4.3b 194 1-153
IDC VII 10 03 38 18.6–1.1 5.28S 128.65E 307–10 4.6,3.7b ¶620928318
NEIC VII 10 03 38 19.0–2.1 5.16S–.07 128.63E–.08 305–2 4.4b,3.7b
DJA VII 10 03 38 19.8–.10 5S–2.0 129E–1.0 304–3 5.2b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 13 35 49.1–.90 6.85S–.06 130.7E–.10 78 11 6-73
IDC VII 10 13 35 50.1–2.5 6.81S 130.63E 73–27 3.9,3.4b ¶620928361
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=22.9km az=93.0.
ISC VII 10 18 24 37.9–.91 6.37S–.07 129.6E–.20 165 9 6-72
IDC VII 10 18 24 37.9–1.6 6.31S 129.51E 163–20 3.8,3.1b ¶620928373
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=14.1km az=102.0.
ISC VII 10 21 47 58.5–.64 4.72S–.07 126.59E–.09 400 3.6b 29 6-85
NEIC VII 10 21 47 59.3–1.8 4.65S–.07 126.6E–.20 420–16 4.4b ¶620928382
IDC VII 10 21 48 00.8–1.9 4.84S 126.41E 422–25 3.8,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=8.3km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.7km s-min=12.5km az=77.0.
IDC VII 10 22 00 56.5–2.9 6.87S 129.45E 138–40 3.6,3.5s
¶620928383
IDC Error ellipse: s-maj=71.8km s-min=20.7km az=90.0.
DJA VII 11 00 08 01.8–.40 5S–3.0 132E–2.0 67–18 3.6,3.6
¶626066456
IDC VII 11 19 03 45.4–1.8 6.66S 129.38E 0 3.8b,3.8s
¶620928438
IDC Error ellipse: s-maj=112.7km s-min=23.5km az=67.0.
ISC VII 11 20 15 44.1–.91 6.06S–.05 130.38E–.07 150 27 2-68
IDC VII 11 20 15 43.1–2.8 6.16S 130.19E 121–39 3.6,3.4s ¶620928443
DJA VII 11 20 15 46.3–.50 6S–3.0 130E–4.0 163–9 3.8,3.8
ISC Event type se.
ISC VII 11 22 21 42.3–.86 7.72S–.06 123.92E–.07 250 3.2b 29 1-70
DJA VII 11 22 21 41.9–1.0 8S–6.0 124E–7.0 264–10 3.8,3.7 ¶620928449
IDC VII 11 22 21 42.3–2.0 7.65S 123.86E 251–28 3.6,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=65.3km s-min=20.4km az=58.0.
ISC VII 12 07 59 25.2–.62 6.16S–.06 130.5E–.10 124 4.2b 27 2-84
IDC VII 12 07 59 13.2–2.4 5.79S 130.46E 0 4.2b,3.9 ¶620928474
NEIC VII 12 07 59 24.2–.65 6.17S–.06 130.40E–.08 102–9 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 12 10 35 07.5–.40 6.92S–.04 129.33E–.04 139 4.4b 137 2-151
IDC VII 12 10 35 06.0–1.6 6.88S 129.41E 126–14 4.5,4.0b ¶620928483
NEIC VII 12 10 35 07.9–1.8 6.83S–.05 129.32E–.05 140–7 4.5b,4.0b
DJA VII 12 10 35 08.5–.20 7S–2.0 130E–2.0 191–6 5.0b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 12 18 15 59.4–.86 6.56S–.07 128.5E–.10 250 11 6-83
IDC VII 12 18 15 59.0–1.3 6.52S 128.47E 238–17 3.7,3.0b ¶620928499
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=12.5km az=114.0.
IDC VII 13 11 53 51.1–2.5 5.92S 129.57E 179–38 4.0,3.0b
¶620928533
IDC Error ellipse: s-maj=67.1km s-min=16.4km az=90.0.
DJA VII 13 12 17 16.7–.30 4S–2.0 130E–2.0 10 3.8,3.8
¶626066603
ISC VII 13 12 45 55.8–.26 5.14S–.03 130.85E–.04 101–2 5.2b 741 1-163
IDC VII 13 12 45 56.0–1.4 5.14S 130.87E 98–12 5.3,4.9b ¶620816268
NEIC VII 13 12 45 56.6–1.4 5.10S–.05 130.88E–.08 98–5 5.2b,4.8
GCMT VII 13 12 45 56.6–.20 5.11S–.01 130.84E–.02 90–3 5.0W,4.8
GFZ VII 13 12 45 56.5–.14 5S–2.0 131E–2.0 100 5.4b,5.2
DJA VII 13 12 45 56.9–.10 5S–2.0 131E–1.0 107–4 5.7,5.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107131245A. Moment Tensor Solution. s37,c41; s118,c178; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.41±.14 $M_{\theta\theta}$-0.47±.14; $M_{\phi\phi}$-1.95±.13; $M_{r\theta}$2.64±.07; $M_{\theta\phi}$2.91±.12; $M_{\phi r}$0.57±.10; Best double couple: NP1:ϕ_s355.00000°,δ48.00000° ,λ148.00000°. NP2:ϕ_s108.00000°,δ67.00000°,λ47.00000°. Principal axes:
T 4.6440,Plg49.0000°,Azm331.0000°; N -0.2060,Plg39.0000°,Azm129.0000°
; P -4.4430,Plg11.0000°,Azm228.0000° M_o4.54300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 14 08 10 57.6–.77 6.45S–.06 128.68E–.08 250 3.9b 27 4-71
DJA VII 14 08 10 54.3–.90 6S–4.0 129E–4.0 371–22 4.7b,4.4 ¶620928580
IDC VII 14 08 10 57.2–1.2 6.49S 128.76E 232–13 4.2,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=10.0km az=94.0.
ISC VII 14 11 43 28.8–.92 6.54S–.06 130.3E–.20 100 10 6-72
IDC VII 14 11 43 31.1–2.7 6.44S 130.23E 116–35 4.0,3.5b ¶620928592
ISC Event type se.
IDC Error ellipse: s-maj=70.2km s-min=20.7km az=89.0.
ISC VII 14 11 51 36.4–.87 7.74S–.06 128.93E–.10 131 12 6-73
IDC VII 14 11 51 37.6–1.7 7.59S 128.76E 136–19 3.8,3.2b ¶620928593
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=14.2km az=121.0.
ISC VII 15 03 44 52.5–.28 7.32S–.04 128.62E–.04 151 4.6b 294 3-151
BJI VII 15 03 44 44.8 7.95S 129.14E 149 4.8b,4.7b ¶620829345
IDC VII 15 03 44 51.8–1.3 7.29S 128.65E 142–11 4.5,4.1b
GFZ VII 15 03 44 52.6–.23 7S–2.0 129E–2.0 155–3 4.7,4.7b

DJA VII 15 03 44 53.2–.10 7S–2.0 129E–1.0 151–3 6.0,5.9
NEIC VII 15 03 44 53.3–1.4 7.25S–.08 128.58E–.08 150–6 4.6b,5.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 15 12 43 00.2–.91 6.66S–.06 130.3E–.10 150 12 6-72
IDC VII 15 12 43 02.2–2.1 6.56S 130.08E 144–22 3.9,3.4b **¶620928641**
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=18.4km az=106.0.
ISC VII 15 21 16 21.7–.88 6.38S–.06 130.03E–.08 200 31 2-72
IDC VII 15 21 16 18.9–1.7 6.37S 129.98E 136–19 3.9,3.4b **¶620928660**
DJA VII 15 21 16 21.9–.40 6S–3.0 130E–3.0 206–9 4.5b,3.9
ISC Event type se.
IDC VII 16 07 33 34.2–1.1 6.12S 130.66E 0 4.0L,3.8b
¶620928702
IDC Error ellipse: s-maj=41.5km s-min=11.8km az=93.0.
ISC VII 16 18 07 10.8–.35 6.36S–.04 130.11E–.04 146 4.3b 145 2-88
GFZ VII 16 18 07 11.8–.27 6S–3.0 130E–3.0 159–3 4.5,4.4b **¶620832592**
NEIC VII 16 18 07 12.2–1.4 6.34S–.05 130.10E–.06 148–6 4.3b,4.4b
IDC VII 16 18 07 12.6–1.5 6.48S 130.08E 159–14 4.2,3.7b
ISC Event type se.
GFZ Error ellipse: s-maj=5.6km s-min=5.4km az=76.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.9km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.3km s-min=10.9km az=74.0.
IDC VII 17 02 51 41.6–2.2 5.72S 129.80E 0 3.5b,3.3L
¶620928746
IDC Error ellipse: s-maj=127.2km s-min=24.1km az=69.0.
ISC VII 17 04 10 22.8–.93 6.66S–.06 130.1E–.20 100 9 6-68
IDC VII 17 04 10 24.6–2.5 6.54S 130.12E 121–31 3.6,3.5b **¶620928749**
ISC Event type se.
IDC Error ellipse: s-maj=52.9km s-min=15.9km az=87.0.
ISC VII 17 20 13 35.6–.88 5.48S–.06 129.82E–.07 200 24 1-67
IDC VII 17 20 13 30.0–9.2 5.55S 128.53E 135–111 3.5L,3.5 **¶620928785**
DJA VII 17 20 13 37.6–.90 5S–6.0 130E–5.0 239–11 4.2b,4.0
ISC Event type se.
ISC VII 18 12 30 14.8–.81 7.20S–.06 129.59E–.10 139 12 7-68
IDC VII 18 12 30 17.9–1.9 7.06S 129.31E 169–22 3.9,3.4s **¶620928814**
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=18.0km az=110.0.
ISC VII 19 21 21 48.5–1.2 6.35S–.08 128.4E–.20 334 3.5b 10 6-71
IDC VII 19 21 21 49.2–3.6 6.31S 128.41E 348–44 3.9,3.1b **¶620928901**
ISC Event type se.
IDC Error ellipse: s-maj=69.1km s-min=10.8km az=74.0.
ISC VII 20 12 19 59.3–.79 6.53S–.05 129.84E–.05 146 33 2-68
IDC VII 20 12 19 59.4–2.6 6.68S 130.02E 147–35 4.0,3.7b **¶620961599**
DJA VII 20 12 20 00.2–.40 7S–2.0 130E–2.0 177–7 4.7b,4.0
ISC Event type se.
ISC VII 21 03 27 54.5–.63 7.15S–.07 129.2E–.10 100 4.8b 25 2-86
IDC VII 21 03 27 45.0–2.2 6.19S 129.77E 0 5.8L,4.0b **¶620961624**
NEIC VII 21 03 27 54.3–1.7 7.08S–.08 129.2E–.10 95–8 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 21 04 33 36.9–.27 7.56S–.03 128.38E–.04 151 4.7b 324 3-151
BJI VII 21 04 33 27.9 8.08S 129.01E 131 5.3b,4.8b **¶620840008**
IDC VII 21 04 33 35.6–1.7 7.54S 128.47E 135–15 4.6,4.2b
NEIC VII 21 04 33 36.5–1.2 7.41S–.08 128.29E–.07 138–6 4.9b,4.2b
DJA VII 21 04 33 36.1–.10 8S–2.0 128E–1.0 161 5.0b,4.9
GFZ VII 21 04 33 36.2–.16 8S–2.0 128E–2.0 140 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 22 06 12 35.6–.71 6.62S–.05 130.4E–.10 90 3.8b 28 2-83
IDC VII 22 06 12 35.1–2.7 6.71S 130.38E 60–29 3.9,3.8L **¶620967809**
NEIC VII 22 06 12 36.7–1.2 6.58S–.05 130.5E–.10 90–11 4.2b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 22 01 31 44.5–.54 7.96S–.05 127.79E–.04 150 4.5b 62 3-95
NEIC VII 22 01 31 44.7–1.5 7.89S–.03 127.75E–.07 140–9 4.7b **¶620967801**
DJA VII 22 01 31 45.3–.40 8S–4.0 128E–2.0 68–39 4.5,4.2
IDC VII 22 01 31 49.8–4.4 8.25S 127.47E 198–46 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.0km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.2km s-min=17.3km az=51.0.
ISC VII 22 10 13 52.8–.58 5.01S–.06 129.8E–.10 10 4.0b 22 4-152
IDC VII 22 10 13 51.7–.57 4.94S 129.66E 0 4.0b,4.0 **¶620967821**
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=8.8km az=91.0.
DJA VII 22 18 09 18.8–.20 7S–2.0 129E–2.0 171–8 5.1b,4.5
¶626066923
ISC VII 22 19 49 49.4–.91 4.83S–.06 130.24E–.04 28 25 0-67
IDC VII 22 19 49 46.6–2.5 4.65S 130.44E 0 3.3b,3.3 **¶620967846**
DJA VII 22 19 49 50.7–.40 5S–4.0 130E–3.0 11–4 5.1b,3.8
ISC Event type se.
IDC VII 22 20 44 51.7–2.9 6.67S 129.54E 103–39 3.6,3.1b
¶620967848
IDC Error ellipse: s-maj=64.4km s-min=22.0km az=91.0.
ISC VII 22 22 22 14.7–.88 6.21S–.07 128.4E–.10 322 12 6-71
IDC VII 22 22 22 15.1–1.4 6.13S 128.46E 314–19 3.6,2.8b **¶620967855**
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=13.9km az=100.0.
IDC VII 22 22 36 45.7–1.5 6.22S 128.69E 0 3.9b,3.4
¶620967858
IDC Error ellipse: s-maj=41.9km s-min=20.9km az=87.0.
ISC VII 23 03 55 47.0–.63 7.15S–.05 129.24E–.05 156 3.7b 70 2-72
IDC VII 23 03 55 46.6–2.0 7.17S 129.19E 146–22 4.2,3.4b **¶620967885**
DJA VII 23 03 55 48.0–.30 7S–3.0 129E–3.0 189–9 4.9b,4.5
NEIC VII 23 03 55 48.7–1.7 7.04S–.09 129.24E–.06 152–11 4.3b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 23 10 27 00.0–2.6 6.46S 130.04E 126–36 3.4,3.3b
¶620967908
IDC Error ellipse: s-maj=66.4km s-min=19.7km az=94.0.
IDC VII 23 16 48 14.6–18 6.42S 130.02E 105–188 3.3L,3.3
¶626334868
IDC Error ellipse: s-maj=148.6km s-min=62.4km az=41.0.
ISC VII 23 11 54 07.1–.42 7.00S–.05 125.71E–.08 511 4.3b 101 1-97
NEIC VII 23 11 54 07.8–1.3 7.00S–.08 125.66E–.07 514–8 4.4b **¶620967912**
IDC VII 23 11 54 07.8–1.5 6.88S 125.74E 504–21 4.2,3.1b
DJA VII 23 11 54 08.8–.40 7S–3.0 126E–3.0 473–6 4.0,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 24 00 35 31.4–1.9 6.31S 129.19E 0 3.8b,3.4L
¶620970187
IDC Error ellipse: s-maj=100.9km s-min=22.0km az=67.0.
IDC VII 24 05 16 25.7–3.0 6.48S 129.82E 153–42 3.6,3.3b
¶620970200
IDC Error ellipse: s-maj=78.4km s-min=21.6km az=88.0.
ISC VII 24 14 36 20.6–.88 7.27S–.06 129.64E–.10 150 11 7-68
IDC VII 24 14 36 23.0–2.1 7.14S 129.51E 159–27 3.7,3.2b **¶620970225**
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=19.9km az=96.0.
ISC VII 24 07 17 25.9–.36 7.31S–.04 126.71E–.05 350 4.2b 192 2-95
GFZ VII 24 07 17 25.5–.18 7S–2.0 127E–2.0 346–2 4.6,4.3b **¶620845599**
DJA VII 24 07 17 25.4–.20 7S–2.0 127E–2.0 359–4 4.9,4.8b
NEIC VII 24 07 17 26.3–1.9 7.30S–.08 126.70E–.07 348–6 4.3b,4.8b
IDC VII 24 07 17 26.4–1.4 7.27S 126.73E 346–15 4.5,3.7b
ISC Event type se.
GFZ Error ellipse: s-maj=5.5km s-min=4.4km az=135.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.7km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.3km s-min=9.6km az=81.0.
IDC VII 24 19 05 45.1–2.9 5.97S 130.58E 91–41 3.7,3.0b
¶620970242
IDC Error ellipse: s-maj=86.0km s-min=22.3km az=87.0.
ISC VII 25 14 39 38.8–.57 7.26S–.05 129.28E–.05 150 4.6b 41 2-93
IDC VII 25 14 39 36.9–2.1 7.06S 129.30E 123–60 3.8b,3.8 **¶620973772**
NEIC VII 25 14 39 39.8–1.9 7.20S–.06 129.24E–.06 136–9 4.6b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 17 12 02.5–.57 6.60S–.03 129.89E–.04 147–6 4.5b 379 2-151
BJI VII 24 17 11 54.7 7.17S 130.43E 140 5.3b,4.8b **¶620845791**
GFZ VII 24 17 12 01.9–.14 7S–2.0 130E–2.0 139 4.8,4.7b
DJA VII 24 17 12 02.8–.10 7S–1.0 130E–1.0 169–3 5.2b,4.9
NEIC VII 24 17 12 03.1–1.4 6.49S–.05 129.81E–.06 145–6 4.5b,4.9
IDC VII 24 17 12 03.3–1.8 6.57S 129.85E 151–16 4.6,4.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.1km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=10.0km az=76.0.
ISC VII 25 16 45 27.0–.44 6.68S–.05 128.29E–.06 250 4.0b 65 3-89
IDC VII 25 16 45 28.9–1.3 6.76S 128.21E 271–14 4.4,3.6b **¶620973778**
NEIC VII 25 16 45 29.4–1.9 6.69S–.07 128.32E–.08 274–7 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 26 05 40 03.4–1.9 7.84S 125.74E 0 4.0s,3.8L
¶620973813
IDC Error ellipse: s-maj=212.2km s-min=26.2km az=59.0.
IDC VII 26 16 25 29.4–2.0 6.72S 128.84E 0 3.6L,3.4b
¶620973858
IDC Error ellipse: s-maj=62.1km s-min=24.0km az=75.0.
IDC VII 26 17 01 17.3–2.0 6.69S 128.70E 0 3.4L,3.3
¶620973862
IDC Error ellipse: s-maj=36.7km s-min=26.3km az=61.0.
IDC VII 28 16 08 43.6–1.6 6.88S 128.61E 0 3.8L,3.6
¶620979626
IDC Error ellipse: s-maj=139.5km s-min=22.6km az=65.0.
IDC VII 27 01 09 22.1–1.9 7.56S 129.88E 0 3.6L,3.6
¶620978939
IDC Error ellipse: s-maj=39.6km s-min=19.8km az=80.0.
ISC VII 27 20 00 13.5–.94 6.64S–.06 130.3E–.10 100 11 6-68
IDC VII 27 20 00 16.7–2.2 6.52S 130.08E 129–26 3.8,3.4b **¶620978982**
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=20.1km az=95.0.
ISC VII 31 08 02 34.1–.83 7.46S–.06 129.1E–.10 131 3.7b 13 7-83
IDC VII 31 08 02 35.2–2.6 7.36S 128.97E 141–27 4.1,3.5b **¶620986115**
ISC Event type se.
IDC Error ellipse: s-maj=47.3km s-min=15.0km az=78.0.
ISC VII 28 13 25 59.6–.73 7.58S–.06 128.91E–.07 131 3.8b 26 2-82
IDC VII 28 13 25 59.5–1.6 7.55S 128.86E 126–18 4.2,3.5b **¶620979617**
NEIC VII 28 13 26 00.5–1.7 7.51S–.06 128.93E–.09 133–10 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 04 14 53.4–.72 6.75S–.05 129.89E–.07 146 4.2b 37 2-72
IDC VII 29 04 14 50.3–5.5 7.02S 129.44E 99–67 3.8,3.7L **¶620984037**
NEIC VII 29 04 14 52.6–.62 6.87S–.09 129.7E–.20 121–12 4.3b,3.7L
DJA VII 29 04 14 53.8–.40 7S–4.0 130E–4.0 164–11 4.1,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 08 03 04.5–.80 6.15S–.04 130.60E–.07 150 4.0b 40 2-72
IDC VII 29 08 03 03.7–2.2 6.22S 130.39E 110–24 4.3,3.7b **¶620984077**
DJA VII 29 08 03 04.4–.40 6S–2.0 131E–3.0 157–7 4.4,4.3
ISC Event type se.
ISC VIII 01 08 04 58.1–.87 7.49S–.06 129.53E–.10 79 12 6-73
IDC VIII 01 08 05 00.8–2.2 7.44S 129.35E 119–24 4.1,3.4b **¶620986186**
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=19.9km az=118.0.
ISC VII 31 12 15 49.5–.94 7.73S–.06 128.3E–.10 150 10 5-68
IDC VII 31 12 15 50.4–1.8 7.55S 128.11E 159–26 4.0,3.1b **¶620986124**
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=16.3km az=106.0.
ISC VII 31 04 34 44.8–.73 7.34S–.05 129.06E–.05 150 3.9b 48 2-72
IDC VII 31 04 34 43.1–1.6 7.36S 129.17E 134–17 4.3,3.8b **¶620986105**
DJA VII 31 04 34 46.2–.50 7S–3.0 129E–3.0 170–13 4.9b,4.8b
ISC Event type se.
IDC VIII 02 04 51 27.8–2.0 5.89S 129.10E 0 3.7b,3.6
¶620993204
IDC Error ellipse: s-maj=65.7km s-min=21.7km az=74.0.
IDC VIII 01 06 28 13.3–9.5 7.46S 124.31E 560–67 3.6,2.7b
¶620986176
IDC Error ellipse: s-maj=188.2km s-min=124.1km az=116.0.
ISC VIII 01 14 06 56.3–.74 5.70S–.04 131.00E–.06 130–9 3.8b 72 2-78
IDC VIII 01 14 06 55.0–1.9 5.78S 131.11E 110–20 4.0,3.5b **¶620986220**
NEIC VIII 01 14 06 56.9–1.6 5.65S–.07 130.9E–.10 107–7 4.1b,3.5b
DJA VIII 01 14 06 57.0–.30 6S–2.0 131E–2.0 137–6 5.5b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 02 07 46 20.8–2.1 6.58S 129.34E 0 3.7L,3.6
¶620993222
IDC Error ellipse: s-maj=58.7km s-min=24.5km az=77.0.
ISC VIII 03 22 30 56.2–.91 7.58S–.06 129.32E–.10 150 11 6-68
IDC VIII 03 22 30 57.4–2.2 7.51S 129.15E 137–26 4.2,3.4b **¶620995914**
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=20.9km az=116.0.
ISC VIII 02 12 01 03.3–.95 6.63S–.06 130.8E–.20 50 9 6-68
IDC VIII 02 12 01 05.4–2.9 6.57S 130.46E 53–40 3.9L,3.9 **¶620993240**
ISC Event type se.
IDC Error ellipse: s-maj=75.8km s-min=23.9km az=90.0.
ISC VIII 03 09 32 31.7–.76 7.82S–.06 128.46E–.09 150 3.6b 14 5-72
IDC VIII 03 09 32 32.0–1.6 7.67S 128.29E 140–18 4.0,3.3b **¶620995867**
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=14.0km az=121.0.
ISC VIII 03 19 02 50.5–.88 7.84S–.06 128.53E–.09 150 12 5-72
IDC VIII 03 19 02 50.5–1.5 7.82S 128.46E 147–19 3.6,3.0b **¶620995888**
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=13.2km az=110.0.
ISC VIII 04 20 55 07.0–1.0 7.42S–.09 128.52E–.05 35 35 3-68
DJA VIII 04 20 55 05.7–1.2 7S–3.0 129E–2.0 25–12 5.0b,4.3 **¶620997327**
IDC VIII 04 20 55 23.7–8.6 8.46S 129.19E 250–98 3.6,2.9b
ISC Event type se.

IDC Error ellipse: s-maj=97.1km s-min=40.2km az=71.0.
IDC VIII 04 01 51 42.4–7.2 7.45S 129.31E 256–81 3.9,3.2b ¶620997271

IDC Error ellipse: s-maj=137.3km s-min=32.3km az=71.0.
ISC VIII 05 13 12 09.3–.90 7.20S–.06 129.7E–.10 139 11 6-72
IDC VIII 05 13 12 11.9–2.3 7.04S 129.36E 139–24 4.2,3.7b **¶620998810**
ISC Event type se.
IDC Error ellipse: s-maj=44.5km s-min=21.4km az=102.0.
ISC VIII 06 00 25 01.8–.89 7.33S–.06 129.42E–.10 150 12 6-72
IDC VIII 06 00 25 03.2–2.0 7.23S 129.29E 154–22 4.1,3.4b **¶620998843**
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=18.9km az=112.0.
ISC VIII 05 14 24 28.1–.33 6.87S–.03 130.07E–.03 126–2 4.9b 568 2-151
BJI VIII 05 14 24 21.1 7.47S 130.50E 128 5.0b,4.9b **¶620970289**
IDC VIII 05 14 24 27.3–1.1 6.91S 130.00E 122–9 4.8,4.3b
NEIC VIII 05 14 24 28.0–1.6 6.82S–.06 130.04E–.08 117–5 5.0b,4.3b
DJA VIII 05 14 24 28.4–.10 7S–1.0 130E–1.0 126–2 5.7,5.5b
GFZ VIII 05 14 24 28.4–.27 7S–3.0 130E–3.0 132–3 5.1b,4.8
GCMT VIII 05 14 24 30.1–.20 6.89S–.01 130.04E–.02 130–2 5.0W,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108051424A. Moment Tensor Solution. s25,c29; s112,c169; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.10 $M_{\theta\theta}$-2.65±.10; $M_{\phi\phi}$3.26±.10; $M_{r\theta}$-1.60±.07; $M_{\theta\phi}$1.85±.10; $M_{\phi r}$0.84±.08; Best double couple: NP1:ϕ_s58.00000°,δ67.00000°,λ-16.00000°. NP2:ϕ_s154.00000°,δ75.00000°,λ-156.00000°. Principal axes: T 3.8250,Plg5.0000°,Azm285.0000°; N 0.2610,Plg62.0000°,Azm185.0000°; P -4.0870,Plg27.0000°,Azm17.0000° $M_0$3.95600×10^{16}
ISC VIII 05 19 12 28.9–.74 6.96S–.06 129.70E–.10 139 3.7b 15 6-125
IDC VIII 05 19 12 29.8–1.7 6.83S 129.56E 139–16 4.1,3.6b **¶620998827**
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=13.2km az=114.0.
IDC VIII 06 03 07 45.9–1.8 5.54S 130.49E 0 4.1L,3.9b ¶620998850

IDC Error ellipse: s-maj=150.9km s-min=23.7km az=70.0.
IDC VIII 07 02 44 13.2–2.5 6.49S 129.92E 134–37 3.7,3.2b ¶621000696

IDC Error ellipse: s-maj=68.6km s-min=17.0km az=92.0.
IDC VIII 07 08 45 51.6–2.2 5.93S 130.48E 151–33 3.9,3.8s ¶621000715

IDC Error ellipse: s-maj=71.1km s-min=16.3km az=89.0.
IDC VIII 07 14 22 56.2–2.1 7.48S 129.53E 0 3.4b,3.1 ¶621000725

IDC Error ellipse: s-maj=109.9km s-min=21.2km az=67.0.
IDC VIII 08 08 05 17.9–2.6 6.48S 129.58E 0 3.3L,3.1 ¶621002119

IDC Error ellipse: s-maj=86.1km s-min=33.7km az=76.0.
IDC VIII 10 15 41 05.5–2.3 6.21S 129.42E 0 3.4b,3.2L ¶621008121

IDC Error ellipse: s-maj=163.4km s-min=27.0km az=67.0.
IDC VIII 08 03 47 01.0–9.2 5.77S 128.87E 370–109 3.8,3.1b ¶621002110

IDC Error ellipse: s-maj=62.4km s-min=42.4km az=62.0.
ISC VIII 08 19 57 14.1–.92 4.58S–.07 127.35E–.07 35 37 1-65
IDC VIII 08 19 57 10.4–1.2 4.45S 127.22E 0 3.8,3.6L **¶621002142**
DJA VIII 08 19 57 12.5–.20 5S–3.0 127E–2.0 10 4.5b,4.2
ISC Event type se.
ISC VIII 09 21 50 06.7–.42 7.15S–.04 129.75E–.04 150 4.2b 152 2-96
IDC VIII 09 21 50 04.5–1.8 7.17S 129.79E 125–18 4.2,4.0s **¶620979390**
GFZ VIII 09 21 50 06.0–.26 7S–3.0 130E–3.0 140–4 4.7,4.5b
NEIC VIII 09 21 50 06.1–1.6 7.09S–.07 129.79E–.09 132–8 4.3b,4.5b
DJA VIII 09 21 50 06.0–.20 7S–2.0 130E–2.0 163–4 5.2b,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 10 22 09 20.4–3.0 6.73S 129.24E 111–41 3.4,3.0b ¶621008147

IDC Error ellipse: s-maj=65.9km s-min=22.2km az=92.0.
ISC VIII 11 11 36 59.6–.36 7.23S–.04 129.11E–.04 156 4.4b 169 2-151
IDC VIII 11 11 36 57.6–1.6 7.14S 129.22E 128–15 4.3,3.8b **¶620980055**
GFZ VIII 11 11 36 59.2–.23 7S–2.0 129E–2.0 164–3 4.6,4.5b
NEIC VIII 11 11 37 00.7–2.0 7.15S–.07 129.07E–.08 155–8 4.3b,4.5b
DJA VIII 11 11 37 01.3–.20 7S–2.0 129E–2.0 178–6 5.2b,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VIII 10 21 04 04.4–.30 7S–3.0 128E–2.0 240–8 4.2,4.1 ¶626188198
ISC VIII 10 02 10 39.1–.43 7.28S–.04 129.15E–.04 150 4.4b 100 2-83
GFZ VIII 10 02 10 38.7–.48 7S–4.0 129E–4.0 134–7 4.6,4.4b **¶620979401**
NEIC VIII 10 02 10 38.5–2.0 7.20S–.06 129.27E–.07 140–8 4.6b,4.4b
IDC VIII 10 02 10 38.9–2.0 7.28S 129.30E 153–20 4.0,3.5b
DJA VIII 10 02 10 40.1–.30 7S–3.0 129E–3.0 185–9 4.8b,4.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 23 31 07.4–.92 6.76S–.06 129.7E–.20 150 10 6-68
IDC VIII 13 23 31 07.2–2.8 6.77S 129.50E 120–33 3.9,3.7s **¶621012248**
ISC Event type se.
IDC Error ellipse: s-maj=54.0km s-min=18.7km az=83.0.
ISC VIII 12 14 38 43.1–.63 5.05S–.04 131.50E–.05 100 3.8b 48 1-85
IDC VIII 12 14 38 40.8–2.1 5.10S 131.55E 62–21 4.1,3.7b **¶621009419**
DJA VIII 12 14 38 41.9–.40 5S–3.0 131E–3.0 123–8 4.9,4.8b
ISC Event type se.
IDC VIII 11 19 10 48.0–2.2 6.32S 129.66E 0 3.5b,3.3L ¶621009351

IDC Error ellipse: s-maj=169.7km s-min=25.8km az=68.0.
IDC VIII 12 10 50 34.9–10 7.19S 129.01E 96–106 3.8L,3.7 ¶621009400

IDC Error ellipse: s-maj=132.4km s-min=41.2km az=61.0.
ISC VIII 15 04 45 02.0–.93 7.68S–.07 128.60E–.10 151 3.6b 12 5-82
IDC VIII 15 04 45 02.5–1.9 7.51S 128.43E 154–19 4.0,3.5b **¶621023545**
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=17.5km az=106.0.
ISC VIII 17 08 17 28.4–.00 6.12S–.08 129.6E–.20 100 7 5-67
IDC VIII 17 08 17 29.2–2.9 6.17S 129.60E 107–40 3.6,3.5s **¶621030243**
ISC Event type se.
IDC Error ellipse: s-maj=66.4km s-min=20.5km az=94.0.
ISC VIII 16 17 31 19.5–1.5 7.5S–.10 129.0E–.30 200 6 13-68
IDC VIII 16 17 31 18.5–6.4 7.24S 129.14E 193–70 3.9,2.9b **¶621030194**
ISC Event type se.
IDC Error ellipse: s-maj=136.1km s-min=28.5km az=70.0.
ISC VIII 17 05 52 21.9–.54 6.56S–.05 129.86E–.08 146 4.2b 32 2-83
NEIC VIII 17 05 52 21.9–1.4 6.53S–.06 129.82E–.09 136–8 4.4b **¶621030236**
IDC VIII 17 05 52 22.5–2.6 6.49S 129.97E 128–36 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.4km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.3km s-min=16.6km az=92.0.
IDC VIII 16 03 51 22.1–2.6 5.31S 130.46E 0 3.5b,3.3L ¶621030128

IDC Error ellipse: s-maj=164.1km s-min=29.3km az=70.0.
IDC VIII 19 07 29 27.6–6.0 6.54S 129.91E 268–72 3.4,2.8b ¶621039166

IDC Error ellipse: s-maj=182.2km s-min=24.4km az=73.0.
IDC VIII 17 19 40 29.1–1.5 6.09S 130.00E 0 3.7b,3.4 ¶621030294

IDC Error ellipse: s-maj=48.7km s-min=12.4km az=98.0.
ISC VIII 18 17 11 33.4–.96 5.98S–.06 130.38E–.07 200 29 2-68
IDC VIII 18 17 11 31.8–2.7 6.19S 130.15E 120–33 3.9,3.4b **¶621030391**
DJA VIII 18 17 11 33.9–.40 6S–3.0 130E–3.0 181–10 4.1,4.1
ISC Event type se.
ISC VIII 18 23 37 59.6–.74 6.42S–.05 130.36E–.07 150 3.5b 41 2-84
IDC VIII 18 23 37 56.4–2.8 6.60S 129.86E 74–30 4.1,3.3b **¶621030433**
DJA VIII 18 23 37 59.4–.40 6S–3.0 130E–4.0 171–11 5.0b,4.6b
NEIC VIII 18 23 37 59.3–1.1 6.44S–.06 130.2E–.10 112–11 4.2b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 11 57 00.4–1.3 7.79S–.10 128.9E–.10 150 3.5b 11 6-73
IDC VIII 20 11 56 46.9–1.2 6.52S 129.15E 0 4.1L,4.0 **¶621041278**
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=17.1km az=84.0.
IDC VIII 19 15 08 42.6–3.6 4.88S 128.91E 163–48 3.4,3.1b ¶621039201

IDC Error ellipse: s-maj=74.0km s-min=19.2km az=85.0.
ISC VIII 22 01 47 20.9–.65 6.88S–.06 129.68E–.08 100 3.9b 29 2-83
IDC VIII 22 01 47 19.3–1.8 6.93S 129.74E 79–22 4.1,3.6b **¶621043044**
NEIC VIII 22 01 47 21.6–2.4 6.87S–.07 129.65E–.09 106–9 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 19 24 26.1–.53 6.57S–.04 129.86E–.05 146 4.1b 64 2-72
DJA VIII 20 19 24 27.5–.40 7S–3.0 130E–3.0 207–9 4.7b,4.7b **¶621041305**
NEIC VIII 20 19 24 27.6–2.5 6.54S–.07 129.85E–.08 160–10 4.2b,4.7b
IDC VIII 20 19 24 29.2–2.9 6.69S 129.62E 178–28 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.4km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.6km s-min=13.1km az=62.0.
ISC VIII 21 03 12 49.7–.35 7.04S–.04 129.54E–.04 150 4.5b 207 2-151
IDC VIII 21 03 12 50.1–1.7 6.97S 129.57E 150–15 4.6,4.0b **¶620999183**
NEIC VIII 21 03 12 50.9–1.3 6.89S–.08 129.56E–.08 153–1 4.5b,4.0b
GFZ VIII 21 03 12 50.4–.26 7S–2.0 130E–3.0 168 4.5b,4.3
DJA VIII 21 03 12 50.6–.20 7S–2.0 130E–2.0 10 5.2b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 21 11 46 29.2–.99 6.79S–.09 128.6E–.10 300 3.9b 19 3-67
NEIC VIII 21 11 46 29.5–.63 6.70S–.05 128.6E–.10 300–13 4.1b **¶621042989**
IDC VIII 21 11 46 35.9–5.3 6.63S 129.23E 391–66 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=6.8km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=105.6km s-min=22.2km az=71.0.
ISC VIII 21 16 08 09.5–.66 7.69S–.06 128.61E–.09 151 3.8b 18 5-151
IDC VIII 21 16 08 09.0–1.7 7.58S 128.61E 137–17 4.0,3.5b **¶621043005**
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=13.1km az=94.0.
ISC VIII 20 10 31 44.9–.78 6.95S–.05 129.98E–.05 150 3.4b 33 2-83
IDC VIII 20 10 31 43.2–2.3 6.90S 130.02E 113–22 4.2,3.5b **¶621041269**
DJA VIII 20 10 31 46.7–.40 7S–3.0 130E–3.0 134–9 4.7b,4.7b
ISC Event type se.
ISC VIII 21 12 31 28.1–.92 6.84S–.09 127.0E–.10 407 4.2b 19 4-28
NEIC VIII 21 12 31 29.0–.53 6.9S–.10 127.0E–.10 405–19 4.3b **¶621042994**
IDC VIII 21 12 31 31.2–6.9 7.14S 126.89E 422–71 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=5.1km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=99.5km s-min=90.0km az=0.0.
DJA VIII 22 12 17 17.1–.40 6S–3.0 130E–3.0 168–9 4.6b,3.9b ¶626189088
IDC VIII 22 20 10 44.8–2.9 5.87S 130.79E 67–39 4.1L,3.8 ¶621043120

IDC Error ellipse: s-maj=85.2km s-min=22.9km az=87.0.
ISC VIII 23 20 08 51.4–1.0 4.2S–.10 127.6E–.10 250 9 5-65
IDC VIII 23 20 08 51.6–1.4 4.20S 127.60E 266–17 3.8,3.2b **¶621049262**
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=12.7km az=108.0.
DJA VIII 22 15 28 30.7–.20 6S–2.0 130E–2.0 182–6 4.5b,4.0b ¶626189082
ISC VIII 23 13 48 49.1–.77 6.97S–.06 126.90E–.07 407 3.1b 52 2-71
DJA VIII 23 13 48 50.3–.40 7S–3.0 127E–3.0 399–5 4.3b,4.1 **¶621049247**
IDC VIII 23 13 48 50.4–3.0 7.02S 126.70E 433–34 3.7,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=60.1km s-min=14.6km az=61.0.
IDC VIII 24 09 10 51.6–2.0 7.14S 129.67E 0 3.5L,3.4 ¶621049308

IDC Error ellipse: s-maj=60.1km s-min=24.6km az=75.0.
ISC VIII 24 10 44 24.8–.79 4.62S–.05 129.08E–.04 250–7 3.1b 62 1-70
IDC VIII 24 10 44 25.6–1.5 5.18S 129.78E 152–18 4.0,3.2b **¶621049316**
DJA VIII 24 10 44 28.1–.20 4S–2.0 129E–1.0 226–3 6.0b,5.6
ISC Event type se.
ISC VIII 25 08 55 42.9–1.4 4.9S–.10 127.7E–.20 10 6 5-70
IDC VIII 25 08 55 42.4–1.4 4.69S 127.56E 0 3.7b,3.6 **¶621058920**
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=20.6km az=114.0.
IDC VIII 24 15 38 23.6–1.1 7.19S 129.37E 0 3.7,3.6L ¶621049339

IDC Error ellipse: s-maj=21.4km s-min=11.5km az=103.0.
ISC VIII 24 07 33 51.4–.41 7.28S–.04 129.92E–.04 100 4.2b 149 2-151
IDC VIII 24 07 33 48.9–1.7 7.22S 129.85E 58–16 4.4,3.9b **¶621001094**
NEIC VIII 24 07 33 50.4–2.6 7.17S–.06 129.73E–.07 71–7 4.4b,3.9b
DJA VIII 24 07 33 50.6–.20 7S–1.0 130E–1.0 125–5 5.1b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 25 01 49 03.3–.38 6.51S–.04 130.13E–.05 146 4.4b 159 2-151
IDC VIII 25 01 49 02.1–1.8 6.49S 130.20E 128–17 4.3,3.9b **¶621003203**
NEIC VIII 25 01 49 03.5–1.1 6.43S–.05 130.02E–.03 141–7 4.4b,3.9b
GFZ VIII 25 01 49 04.2–.20 7S–2.0 130E–2.0 161 4.7,4.6b
DJA VIII 25 01 49 04.1–.30 7S–2.0 130E–3.0 172–9 5.1b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 24 13 04 07.4–.42 6.99S–.04 129.89E–.04 150 4.2b 132 2-151
DJA VIII 24 13 04 06.3–.40 7S–3.0 130E–3.0 197–9 4.8b,4.7b **¶621002163**
IDC VIII 24 13 04 07.4–1.8 6.97S 129.89E 127–16 4.4,3.9b
NEIC VIII 24 13 04 07.4–1.2 7.00S–.07 129.92E–.07 123–2 4.3b,3.9b
GFZ VIII 24 13 04 07.3–.24 7S–3.0 130E–2.0 132–4 4.5,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC VIII 25 10 36 44.1–1.5 6.30S–.09 128.5E–.20 300 8 6-28
IDC VIII 25 10 36 44.7–2.7 6.27S 128.62E 320–70 3.8,3.3b **¶621058924**
ISC Event type se.
IDC Error ellipse: s-maj=94.2km s-min=31.0km az=119.0.
ISC VIII 27 04 04 21.6–.31 7.49S–.04 128.56E–.04 151 4.5b 256 3-152
NEIC VIII 27 04 04 22.3–2.1 7.39S–.07 128.53E–.07 148–5 4.6b **¶621008330**
IDC VIII 27 04 04 22.1–1.5 7.44S 128.51E 152–14 4.5,3.9b
DJA VIII 27 04 04 22.6–.10 8S–2.0 129E–1.0 176–5 5.1b,4.8
GFZ VIII 27 04 04 23.2–.15 8S–2.0 129E–2.0 162 4.5,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 26 11 31 31.5–.58 5.82S–.05 125.78E–.06 35 3.9b 38 4-75
IDC VIII 26 11 31 27.7–.69 5.59S 125.69E 0 4.3L,4.1 **¶621058991**
NEIC VIII 26 11 31 32.3–1.6 5.83S–.03 125.74E–.07 41–12 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 22 38 58.5–.83 7.20S–.06 129.80E–.10 104 14 6-97
IDC VIII 26 22 39 00.9–2.2 7.12S 129.60E 124–25 3.8,3.6b **¶621059027**
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=19.7km az=114.0.
ISC VIII 25 12 29 59.8–.95 6.38S–.06 130.2E–.20 150 9 6-68
IDC VIII 25 12 30 01.3–2.7 6.28S 130.00E 138–38 3.8,3.5s **¶621058934**
ISC Event type se.
IDC Error ellipse: s-maj=70.3km s-min=20.7km az=88.0.
ISC VIII 25 04 01 10.9–.46 5.82S–.06 125.15E–.07 590 4.4b 116 2-115
GFZ VIII 25 04 01 10.4–.17 6S–3.0 125E–3.0 584–3 4.2b,4.0 **¶621003208**
IDC VIII 25 04 01 11.8–1.0 5.95S 124.98E 596–14 4.3,3.3b
NEIC VIII 25 04 01 11.2–1.6 5.8S–.10 125.2E–.10 590–9 4.5b,3.3b
DJA VIII 25 04 01 15.2–.90 5S–6.0 125E–4.0 550–14 4.3b,4.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 27 14 07 59.9–2.8 6.00S 129.46E 155–39 3.4,2.8b
¶621072154
IDC Error ellipse: s-maj=62.7km s-min=20.5km az=89.0.
IDC VIII 28 09 49 02.6–6.9 6.95S 129.55E 169–72 3.7,3.4b
¶621073098
IDC Error ellipse: s-maj=111.0km s-min=26.5km az=72.0.
ISC VIII 27 13 00 25.5–1.4 7.78S–.10 128.6E–.10 100 10 5-72
IDC VIII 27 13 00 23.4–8.3 7.46S 128.56E 83–92 3.7L,3.6 **¶621072149**
ISC Event type se.
IDC Error ellipse: s-maj=76.2km s-min=27.0km az=20.0.
ISC VIII 28 10 12 32.1–.34 6.76S–.04 129.69E–.04 150 4.5b 195 2-151
IDC VIII 28 10 12 31.0–1.4 6.67S 129.71E 135–13 4.5,4.0b **¶621009796**
NEIC VIII 28 10 12 33.8–.98 6.62S–.06 129.68E–.08 159–2 4.6b,4.0b
DJA VIII 28 10 12 33.7–.10 7S–2.0 130E–2.0 183–4 4.9b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 11 51 28.9–.57 7.25S–.06 126.87E–.07 300 3.6b 38 2-77
IDC VIII 29 11 51 28.7–1.3 7.19S 126.89E 285–16 4.1,3.3b **¶621073173**
DJA VIII 29 11 51 31.9–.50 7S–6.0 127E–5.0 285–7 4.1,3.9
ISC Event type se.
ISC VIII 29 05 21 21.4–.61 4.90S–.04 130.56E–.05 81 4.2b 47 1-81
IDC VIII 29 05 21 19.9–2.9 4.92S 130.32E 46–38 3.9,3.8L **¶621073156**
NEIC VIII 29 05 21 21.0–1.3 4.89S–.04 130.4E–.10 54–11 4.0b,3.8L
DJA VIII 29 05 21 24.2–.40 5S–4.0 131E–3.0 57–8 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 13 39 58.4–.62 6.14S–.05 130.16E–.06 100 3.9b 27 2-88
IDC VIII 29 13 39 57.9–2.2 6.22S 130.21E 121–26 4.1,3.5s **¶621073179**
NEIC VIII 29 13 39 59.4–2.5 6.10S–.06 130.14E–.07 88–11 4.2b,3.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 21 47 44.7–.86 6.16S–.04 130.33E–.06 100 30 2-68
DJA VIII 28 21 47 34.4–.40 7S–3.0 130E–3.0 263–6 4.5b,3.9 **¶621073134**
IDC VIII 28 21 47 45.0–3.0 6.08S 129.96E 74–39 3.8L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=71.1km s-min=22.6km az=90.0.
ISC VIII 30 01 00 45.4–.84 6.67S–.06 128.96E–.06 200 27 3-72
IDC VIII 30 01 00 45.3–1.8 6.62S 128.87E 191–20 3.9,3.7s **¶621076476**
DJA VIII 30 01 00 45.3–.50 7S–3.0 129E–3.0 257–8 4.3,4.0
ISC Event type se.
IDC VIII 29 06 51 47.9–1.7 7.54S 124.14E 0 3.9b,3.6
¶621073158
IDC Error ellipse: s-maj=112.6km s-min=34.5km az=59.0.
ISC VIII 30 01 27 01.1–.89 7.31S–.06 129.45E–.10 150 12 6-72
IDC VIII 30 01 27 03.1–2.0 7.28S 129.26E 165–21 4.2,3.2b **¶621076477**
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=17.0km az=97.0.
ISC VIII 30 12 54 03.8–1.1 7.41S–.08 129.2E–.10 200 9 6-68
IDC VIII 30 12 54 04.3–1.9 7.25S 129.21E 190–26 3.6,3.1b **¶621076518**
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=19.2km az=97.0.
ISC VIII 30 12 57 29.9–.54 5.10S–.04 129.69E–.05 200 3.8b 72 1-76
IDC VIII 30 12 57 29.0–1.2 5.04S 129.76E 189–13 4.2,3.6b **¶621076519**
NEIC VIII 30 12 57 30.5–.98 5.10S–.08 129.7E–.10 209–11 4.3b,3.6b
DJA VIII 30 12 57 30.1–.40 5S–3.0 130E–3.0 227–5 4.3b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 20 32 03.6–.92 7.21S–.06 129.68E–.10 139 11 6-68
IDC VIII 30 20 32 04.4–1.7 7.05S 129.51E 139–21 3.8,3.2b **¶621076541**
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=13.8km az=114.0.
IDC VIII 30 08 36 10.4–1.8 6.57S 129.34E 0 3.9b,3.8L
¶621076501
IDC Error ellipse: s-maj=124.9km s-min=23.4km az=67.0.
ISC VIII 30 17 13 57.2–.41 7.32S–.04 129.48E–.05 150 4.0b 119 2-151
IDC VIII 30 17 13 55.4–1.5 7.24S 129.39E 117–14 4.2,3.7b **¶621012655**
DJA VIII 30 17 13 57.1–.20 7S–3.0 129E–2.0 174–9 5.0b,4.7b
NEIC VIII 30 17 13 58.5–2.5 7.24S–.09 129.38E–.09 147–7 4.2b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 01 52 26.1–.52 7.67S–.05 128.54E–.07 151 4.4b 43 3-84
NEIC VIII 31 01 52 26.6–1.9 7.64S–.07 128.55E–.07 150–6 4.6b **¶621076554**
IDC VIII 31 01 52 27.2–2.2 7.60S 128.43E 150–23 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.9km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.8km s-min=21.0km az=119.0.
IDC IX 01 05 03 03.1–2.9 6.48S 129.96E 98–40 3.7,3.3b
¶621080595
IDC Error ellipse: s-maj=72.2km s-min=22.2km az=90.0.
ISC VIII 31 10 34 07.3–.55 5.69S–.04 128.63E–.05 343–6 4.1b 155 2-144
IDC VIII 31 10 34 07.0–1.2 5.71S 128.73E 340–13 4.4,3.5b **¶621011480**
NEIC VIII 31 10 34 07.8–.85 5.68S–.07 128.60E–.08 343–2 4.2b,3.5b
DJA VIII 31 10 34 09.9–.30 6S–3.0 129E–2.0 317–4 5.1b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 31 00 11 03.8–.53 6.30S–.04 130.51E–.06 150 4.1b 67 2-151
IDC VIII 31 00 10 59.5–2.5 6.40S 130.16E 90–24 4.3,3.8b **¶621011398**
NEIC VIII 31 00 11 00.7–1.1 6.41S–.06 130.12E–.09 98–9 4.1b,3.8b
DJA VIII 31 00 11 02.2–.40 6S–3.0 130E–3.0 165–10 5.2b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 01 04 39.6–.39 6.37S–.04 128.34E–.06 334 4.1b 131 2-96
NEIC VIII 31 01 04 39.3–1.6 6.37S–.08 128.36E–.08 325–8 4.2b **¶621011400**
DJA VIII 31 01 04 39.8–.40 6S–3.0 128E–2.0 329–8 5.0b,4.8b
IDC VIII 31 01 04 39.6–1.4 6.35S 128.34E 332–15 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=10.3km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=8.4km az=78.0.
IDC VIII 31 21 07 15.4–2.3 6.26S 128.25E 0 3.9b,3.8L
¶621076644
IDC Error ellipse: s-maj=305.8km s-min=24.1km az=65.0.
ISC IX 03 14 25 37.7–.48 5.56S–.04 130.99E–.07 68 4.2b 76 2-151
IDC IX 03 14 25 38.6–2.5 5.67S 130.89E 68–23 4.3,3.8b **¶621030575**
NEIC IX 03 14 25 39.9–1.2 5.54S–.03 131.0E–.10 90–8 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 07 36 09.8–.36 6.14S–.05 130.79E–.06 100 4.5b 142 2-151
IDC IX 01 07 36 07.6–2.6 6.21S 130.72E 73–23 4.6,4.2b **¶621012690**
NEIC IX 01 07 36 09.5–2.5 6.13S–.05 130.63E–.06 88–7 4.6b,4.2b
GFZ IX 01 07 36 09.8–.17 6S–2.0 131E–2.0 101 4.8,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC IX 02 16 46 08.8–2.4 6.33S 129.66E 117–35 3.5,2.9b
¶621080691
IDC Error ellipse: s-maj=53.5km s-min=14.5km az=94.0.
ISC IX 05 01 08 51.8–.42 6.44S–.05 130.06E–.05 146 4.4b 115 2-84
IDC IX 05 01 08 50.8–1.6 6.51S 130.03E 135–15 4.3,3.8b **¶621035457**
GFZ IX 05 01 08 52.6–.23 6S–2.0 130E–2.0 149–3 4.5,4.3b
NEIC IX 05 01 08 53.0–1.7 6.37S–.08 130.08E–.06 147–7 4.3b,4.3b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 06 21 55 05.3–1.4 7.23S–.09 129.6E–.20 200 3.6b 9 11-72
IDC IX 06 21 54 48.1–1.4 6.03S 129.31E 0 3.9,3.8L **¶621094288**
ISC Event type se.
IDC Error ellipse: s-maj=63.2km s-min=18.2km az=79.0.
ISC IX 05 04 47 54.4–.46 7.46S–.05 128.54E–.06 151 4.0b 55 3-151
IDC IX 05 04 47 54.1–1.6 7.38S 128.60E 144–15 4.1,3.7b **¶621086380**
NEIC IX 05 04 47 56.1–1.4 7.35S–.07 128.48E–.06 156–8 4.0b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 07 00 27 01.6–.67 7.60S–.06 128.56E–.08 151 3.8b 30 5-151
IDC IX 07 00 27 02.1–2.0 7.52S 128.36E 151–19 4.1,3.5b **¶621094291**
NEIC IX 07 00 27 03.1–2.3 7.5S–.10 128.43E–.09 154–10 4.0b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 06 17 55 07.2–3.3 4.04S 128.98E 141–37 3.8,3.2b
¶621094271
IDC Error ellipse: s-maj=40.3km s-min=12.7km az=70.0.
ISC IX 08 00 13 00.7–.36 7.53S–.05 128.35E–.06 151 4.5b 118 3-152
IDC IX 08 00 12 59.8–1.8 7.46S 128.42E 141–17 4.5,4.0b **¶621041911**
NEIC IX 08 00 12 59.8–2.6 7.51S–.05 128.36E–.05 133–6 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 06 18 49 54.3–2.0 7.08S 126.63E 0 3.2L,3.2b
¶621094275
IDC Error ellipse: s-maj=186.4km s-min=28.5km az=61.0.
IDC IX 07 07 56 42.5–2.9 6.34S 130.15E 76–38 4.1L,4.0
¶621094312
IDC Error ellipse: s-maj=71.7km s-min=22.5km az=90.0.
ISC IX 08 00 55 45.2–.63 6.57S–.06 129.94E–.08 146 3.6b 33 2-119
IDC IX 08 00 55 44.9–2.2 6.67S 129.94E 129–21 4.2,3.7s **¶621105751**
NEIC IX 08 00 55 46.6–2.3 6.53S–.07 129.86E–.10 152–7 4.3b,3.7s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 11 00 59 14.6–1.4 7.88S–.10 128.9E–.10 150 9 6-73
IDC IX 11 00 59 02.3–1.4 6.68S 128.87E 0 3.8L,3.8b **¶621108551**
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=18.1km az=81.0.
ISC IX 09 23 18 12.6–1.1 6.25S–.06 130.2E–.20 150 8 5-68
IDC IX 09 23 18 14.3–3.2 6.21S 129.98E 78–44 3.7,3.5L **¶621105916**
ISC Event type se.
IDC Error ellipse: s-maj=75.9km s-min=24.0km az=89.0.
ISC IX 10 06 27 07.4–.89 7.48S–.06 129.06E–.10 131 12 6-72
IDC IX 10 06 27 08.6–1.6 7.31S 128.90E 147–18 4.0,3.5s **¶621108487**
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=13.8km az=117.0.
ISC IX 12 02 07 59.8–1.0 4.42S–.07 129.31E–.07 200 21 1-70
DJA IX 12 02 08 00.4–.90 4S–7.0 129E–4.0 192–9 3.2,3.2 **¶621109631**
IDC IX 12 02 08 05.5–4.2 4.29S 130.08E 254–47 3.5,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=131.9km s-min=14.3km az=73.0.
ISC IX 11 09 40 11.8–.35 7.02S–.04 125.06E–.05 543–3 4.8b 398 2-150
GFZ IX 11 09 40 11.5–.36 7S–7.0 125E–6.0 541–3 5.3b,4.8b **¶621069780**
IDC IX 11 09 40 12.3–.73 7.00S 125.08E 545–8 5.1,4.1b
NEIC IX 11 09 40 12.0–1.1 6.98S–.09 125.0E–.10 539–3 4.8b,4.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 14 14 06.6–.71 6.44S–.05 128.88E–.07 250 30 3-67
IDC IX 12 14 14 06.2–1.3 6.43S 128.84E 221–19 3.9,2.9b **¶621109660**
NEIC IX 12 14 14 07.1–.40 6.47S–.09 128.84E–.09 233–13 4.5b,2.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 13 09 53 26.1–1.4 7.40S–.10 128.9E–.10 131 10 6-72
IDC IX 13 09 53 14.4–1.3 6.54S 128.84E 0 4.2L,4.0 **¶621109705**
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=15.1km az=86.0.
ISC IX 13 01 00 41.7–.93 6.04S–.08 127.8E–.10 400 10 6-66
IDC IX 13 01 00 42.4–1.4 6.13S 127.71E 398–19 4.1,2.9b **¶621109688**
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=14.8km az=86.0.
ISC IX 12 18 38 38.5–.76 5.23S–.06 129.49E–.07 250 3.3b 27 1-71
IDC IX 12 18 38 38.3–1.5 5.25S 129.71E 235–18 3.6,3.0b **¶621109670**
DJA IX 12 18 38 41.1–.60 5S–5.0 130E–4.0 213–7 3.2,3.2
ISC Event type se.
ISC IX 15 01 25 26.6–.87 7.64S–.07 128.38E–.04 150 30 3-68
DJA IX 15 01 25 28.1–1.0 8S–3.0 128E–2.0 28–9 4.9b,4.3b **¶621111961**
IDC IX 15 01 25 28.9–6.8 7.30S 129.55E 185–73 4.0,3.1b
ISC Event type se.

IDC Error ellipse: s-maj=95.3km s-min=31.0km az=71.0.
ISC IX 14 00 52 32.6–.64 6.80S–.09 125.7E–.10 500 3.9b 31 3-83
NEIC IX 14 00 52 34.0–1.8 6.8S–.10 125.7E–.10 521–11 4.1b **¶621110814**
IDC IX 14 00 52 37.3–7.2 6.77S 125.89E 562–101 3.9,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=14.6km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=143.2km s-min=28.4km az=72.0.
ISC IX 14 05 54 06.0–.75 7.74S–.06 128.41E–.10 150 3.7b 15 5-78
IDC IX 14 05 54 07.2–1.5 7.63S 128.26E 161–16 4.1,3.4b **¶621110820**
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=13.5km az=122.0.
ISC IX 14 15 35 01.5–.80 6.57S–.04 130.55E–.05 90 46 1-68
IDC IX 14 15 34 59.3–2.5 6.72S 130.92E 75–28 4.4,3.7b **¶621110839**
DJA IX 14 15 35 03.0–.20 7S–2.0 131E–2.0 118–6 4.8b,4.4b
ISC Event type se.
ISC IX 16 16 35 11.2–.82 6.70S–.10 125.2E–.10 550 4.4b 27 2-144
IDC IX 16 16 33 20.8–9.5 0.80N 123.40E 0 4.4L,4.1b **¶622452124**
NEIC IX 16 16 35 11.5–2.2 6.7S–.10 125.1E–.20 531–11 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 16 00 08 31.2–.80 6.40S–.04 130.42E–.07 119–10 4.0b 46 2-84
IDC IX 16 00 08 19.3–1.3 5.77S 130.78E 0 3.9b,3.9 **¶621112859**
NEIC IX 16 00 08 31.2–2.0 6.34S–.06 130.4E–.30 103–12 4.2b,3.9
DJA IX 16 00 08 33.7–.40 6S–2.0 130E–3.0 106–11 5.0b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 17 01 42 19.1–1.9 6.94S 127.53E 0 3.6b,3.3L
¶621112922
IDC Error ellipse: s-maj=173.6km s-min=22.4km az=63.0.
ISC IX 16 11 05 06.0–.75 7.30S–.06 129.34E–.05 150 3.7b 29 2-72
IDC IX 16 11 05 06.3–2.2 7.20S 129.15E 128–23 4.1,3.5b **¶621112883**
DJA IX 16 11 05 07.1–.60 7S–3.0 129E–4.0 163–15 4.8b,4.5b
ISC Event type se.
ISC IX 17 15 49 35.8–.73 7.16S–.06 129.68E–.06 150 3.6b 36 2-72
IDC IX 17 15 49 35.1–2.2 7.20S 129.83E 127–24 4.1,3.5b **¶621112970**
DJA IX 17 15 49 36.6–.30 7S–3.0 130E–3.0 166–9 4.7b,4.5
ISC Event type se.
ISC IX 18 01 30 04.8–.40 7.68S–.04 127.56E–.05 162 4.2b 119 3-152
GFZ IX 18 01 30 05.2–.26 8S–3.0 128E–3.0 169–4 4.5b,4.4 **¶621082839**
IDC IX 18 01 30 05.4–1.5 7.62S 127.44E 166–13 4.3,3.7b
NEIC IX 18 01 30 06.1–2.0 7.71S–.08 127.50E–.07 165–8 4.3b,3.7b
DJA IX 18 01 30 06.8–.40 8S–4.0 128E–2.0 102–18 5.4b,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 17 19 00 56.8–2.0 7.20S 127.35E 0 3.5b,3.3
¶621112980
IDC Error ellipse: s-maj=272.7km s-min=26.3km az=62.0.
IDC IX 18 16 34 59.7–1.8 5.58S 131.74E 185–25 3.7,3.7s
¶621113576
IDC Error ellipse: s-maj=89.9km s-min=16.2km az=83.0.
ISC IX 18 14 33 42.0–.67 7.59S–.06 129.01E–.07 131 3.8b 29 2-78
IDC IX 18 14 33 41.0–1.7 7.57S 129.02E 116–17 4.0,3.6b **¶621113571**
NEIC IX 18 14 33 42.3–1.8 7.52S–.10 128.99E–.08 121–12 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 18 02 13 30.2–1.5 7.38S–.10 129.6E–.10 150 10 7-73
IDC IX 18 02 13 17.6–1.4 6.34S 129.51E 0 4.2L,4.0 **¶621113540**
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=18.3km az=93.0.
IDC IX 20 12 53 22.9–.94 5.77S 129.53E 0 3.8L,3.8b
¶621115994
IDC Error ellipse: s-maj=32.8km s-min=12.1km az=96.0.
ISC IX 19 19 56 41.6–.68 7.64S–.06 128.40E–.06 151 4.0b 39 3-151
IDC IX 19 19 56 41.2–1.5 7.51S 128.34E 137–16 4.0,3.7b **¶621113639**
DJA IX 19 19 56 41.7–2.0 7S–4.0 128E–2.0 19–18 4.4,4.4
ISC Event type se.
IDC IX 20 00 17 07.1–2.3 5.68S 130.59E 0 3.9b,3.5L
¶621115971
IDC Error ellipse: s-maj=149.8km s-min=25.9km az=70.0.
IDC IX 20 06 21 43.1–7.3 7.84S 128.20E 169–79 3.8,2.9b
¶621115980
IDC Error ellipse: s-maj=77.0km s-min=24.3km az=37.0.
ISC IX 20 14 09 40.3–.42 7.16S–.04 129.46E–.04 139 4.3b 127 2-128
IDC IX 20 14 09 37.9–1.6 7.20S 129.60E 118–16 4.3,3.7b **¶621086513**
GFZ IX 20 14 09 40.3–.26 7S–3.0 130E–3.0 143–3 4.8b,4.6
NEIC IX 20 14 09 41.6–1.6 7.11S–.07 129.45E–.07 141–3 4.4b,4.6
DJA IX 20 14 09 41.3–.20 7S–2.0 130E–2.0 172–9 5.0b,4.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 21 20 20 49.6–8.2 6.56S 127.83E 297–91 3.8,3.0b
¶621116047
IDC Error ellipse: s-maj=82.2km s-min=29.2km az=54.0.
ISC IX 20 20 03 54.9–.74 5.01S–.05 129.98E–.05 28 3.7b 30 0-71
IDC IX 20 20 03 53.7–.98 4.99S 130.25E 0 3.9,3.8L **¶621116004**
DJA IX 20 20 03 56.4–.60 5S–3.0 130E–3.0 26–6 4.1b,3.8
ISC Event type se.
ISC IX 22 15 12 02.3–.73 6.91S–.05 129.44E–.10 139 3.7b 26 2-82
IDC IX 22 15 12 02.2–2.9 7.05S 129.45E 128–36 3.8,3.4b **¶621118156**
NEIC IX 22 15 12 04.1–1.7 6.99S–.05 129.4E–.10 152–10 4.0b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 22 00 48 27.7–9.0 6.90S 129.83E 119–90 3.9L,3.8
¶621118108
IDC Error ellipse: s-maj=103.5km s-min=27.8km az=52.0.
ISC IX 21 19 19 47.4–.91 7.69S–.05 125.99E–.06 35 40 1-67
IDC IX 21 19 19 45.3–1.6 7.51S 125.81E 0 4.1,3.9L **¶621116045**
DJA IX 21 19 19 49.3–.30 8S–3.0 126E–3.0 66–17 4.6b,4.3b
ISC Event type se.
ISC IX 25 08 55 33.7–.79 6.04S–.05 129.22E–.10 200 3.7b 23 3-71
IDC IX 25 08 55 35.2–2.5 5.95S 129.19E 225–34 4.2,3.4b **¶621131447**
DJA IX 25 08 55 40.1–.80 6S–4.0 130E–7.0 221–7 3.7,3.7
ISC Event type se.
IDC IX 23 16 38 00.1–7.9 7.72S 127.69E 152–85 3.9,3.0b
¶621125864
IDC Error ellipse: s-maj=79.6km s-min=25.2km az=35.0.
IDC IX 24 20 27 14.1–2.2 5.95S 130.47E 0 3.6b,3.4L
¶621126461
IDC Error ellipse: s-maj=149.2km s-min=24.0km az=70.0.
IDC IX 23 23 32 52.0–2.0 5.83S 129.76E 0 4.0L,3.8
¶621125890
IDC Error ellipse: s-maj=67.5km s-min=22.3km az=78.0.
ISC IX 28 00 00 23.2–.54 6.91S–.07 124.97E–.10 543 3.7b 43 3-94
IDC IX 28 00 00 23.8–1.4 6.90S 125.06E 552–19 4.0,3.1b **¶621140785**
NEIC IX 28 00 00 24.6–1.0 7.0S–.10 124.9E–.10 563–11 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 25 13 26 57.6–.42 6.41S–.04 130.10E–.05 146 4.2b 141 2-99
DJA IX 25 13 26 57.9–.30 6S–2.0 130E–3.0 188–8 5.0b,4.5 **¶621109924**
GFZ IX 25 13 26 58.5–.24 6S–3.0 130E–3.0 156–4 5.1b,4.6
IDC IX 25 13 26 58.2–1.7 6.41S 130.02E 150–16 4.5s,4.2
NEIC IX 25 13 26 58.1–1.8 6.39S–.06 130.1E–.10 142–10 4.4b,4.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 13 07 19.0–.41 6.14S–.04 129.97E–.05 146 4.3b 132 2-151
IDC IX 26 13 07 18.4–2.0 6.17S 129.90E 129–19 4.2,3.6b **¶621110423**
GFZ IX 26 13 07 18.8–.23 6S–2.0 130E–3.0 146–3 4.8b,4.5
NEIC IX 26 13 07 19.4–1.2 6.02S–.07 129.86E–.09 139–5 4.3b,4.5
DJA IX 26 13 07 19.3–.30 6S–2.0 130E–2.0 186–7 4.9b,4.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 02 35 58.9–.48 4.15S–.05 129.26E–.05 36 3.9b 70 1-149
IDC IX 26 02 35 53.9–.59 4.09S 129.23E 0 3.9L,3.9 **¶621131477**
DJA IX 26 02 35 56.9–.30 4S–3.0 129E–2.0 10 5.3b,4.7
NEIC IX 26 02 36 01.6–2.2 4.2S–.10 129.36E–.07 63–10 4.2b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 27 08 06 58.7–2.3 6.17S 128.74E 0 3.6b,3.5L
¶621140692
IDC Error ellipse: s-maj=206.5km s-min=26.7km az=66.0.
IDC IX 28 19 21 48.5–1.9 7.57S 128.52E 0 3.7s,3.3b
¶621140846
IDC Error ellipse: s-maj=25.9km s-min=20.8km az=46.0.
ISC IX 30 14 33 07.3–.78 6.66S–.07 128.6E–.10 250 3.3b 12 6-72
IDC IX 30 14 33 08.8–1.6 6.51S 128.38E 249–19 4.0,3.0b **¶621147767**
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=16.5km az=105.0.
IDC IX 28 19 11 33.0–1.7 6.98S 127.22E 0 5.2L,3.7b
¶621140845
IDC Error ellipse: s-maj=170.2km s-min=21.5km az=62.0.
IDC IX 29 08 38 32.4–10 5.49S 128.73E 0 4.1b,4.0L
¶621146361
IDC Error ellipse: s-maj=152.7km s-min=131.8km az=108.0.
IDC IX 30 05 29 36.3–5.1 6.19S 128.74E 303–57 3.9,2.9b
¶621147743
IDC Error ellipse: s-maj=119.7km s-min=17.2km az=70.0.
ISC IX 29 10 49 14.2–.69 6.73S–.06 129.6E–.10 165 3.7b 25 2-95
IDC IX 29 10 49 12.7–2.7 6.77S 129.40E 139–31 4.0,3.4b **¶621146367**
NEIC IX 29 10 49 14.6–2.2 6.67S–.08 129.5E–.10 157–10 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 19 33 26.9–1.0 6.69S–.09 128.43E–.10 35 13 3-67
DJA X 01 19 33 24.6–.40 7S–4.0 128E–4.0 10 5.2b,5.2b **¶621147846**
IDC X 01 19 33 38.9–19 7.23S 128.59E 170–219 3.9,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=117.8km s-min=91.5km az=85.0.
ISC X 01 05 07 01.6–.99 6.61S–.07 128.92E–.08 200 21 3-67
IDC X 01 05 07 02.0–5.3 6.54S 129.13E 216–59 4.1,3.1b **¶621147810**
DJA X 01 05 07 02.3–.50 7S–4.0 129E–4.0 217–11 4.3b,4.3b
ISC Event type se.
ISC X 01 03 02 32.3–1.1 5.94S–.08 129.82E–.09 250 26 1-80
IDC X 01 03 02 20.1–2.4 5.63S 129.28E 0 4.1L,3.9 **¶621147805**
DJA X 01 03 02 28.6–.50 6S–3.0 130E–3.0 296–9 6.0b,6.0b
ISC Event type se.
ISC X 01 13 42 45.7–.29 7.58S–.04 127.85E–.04 200 4.5b 234 3-151
IDC X 01 13 42 42.5–1.4 7.50S 127.75E 158–12 4.7,4.1b **¶621116079**
DJA X 01 13 42 42.2–.70 8S–5.0 128E–3.0 223–18 5.2b,5.1
NEIC X 01 13 42 43.4–1.3 7.58S–.07 127.84E–.06 170–7 4.6b,5.1
GFZ X 01 13 42 44.1–.28 8S–3.0 128E–3.0 166–4 4.9b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 02 08 06 55.8–.58 6.84S–.08 125.2E–.10 543 3.8b 35 3-83
IDC X 02 08 06 55.9–1.4 6.87S 125.13E 544–19 4.2,3.2b **¶621186052**
NEIC X 02 08 06 55.6–1.1 6.82S–.04 125.1E–.20 539–11 4.3b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 01 16 43 12.6–1.7 7.82S 126.87E 0 4.1L,3.7
¶621147836
IDC Error ellipse: s-maj=159.3km s-min=23.2km az=61.0.
IDC X 02 11 29 17.8–2.7 5.63S 130.17E 0 3.9b,3.6L
¶621186062
IDC Error ellipse: s-maj=217.1km s-min=25.3km az=69.0.
ISC X 05 04 11 06.2–.46 6.16S–.04 129.86E–.05 10 4.4b 77 2-84
IDC X 05 04 11 06.0–.60 6.02S 129.75E 0 4.3,4.2L **¶621203153**
NEIC X 05 04 11 07.0–1.2 6.17S–.05 129.87E–.08 10–1 4.5b,4.2L
DJA X 05 04 11 10.9–.30 6S–3.0 130E–3.0 45–45 4.9b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 02 14 59 55.2–8.9 7.52S 129.92E 333–103 3.2,2.8b
¶621186071
IDC Error ellipse: s-maj=93.1km s-min=34.2km az=71.0.
ISC X 03 09 06 47.9–.56 7.55S–.06 128.59E–.06 151 3.8b 40 3-151
IDC X 03 09 06 46.8–4.7 7.41S 128.56E 133–41 3.9,3.6b **¶621186124**
NEIC X 03 09 06 48.5–1.6 7.47S–.07 128.60E–.07 152–5 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 20 40 02.3–.45 6.18S–.04 130.52E–.05 124 4.4b 147 2-88
IDC X 04 20 40 03.2–1.6 6.04S 130.41E 122–15 4.5,3.9b **¶621203138**
NEIC X 04 20 40 04.1–1.6 6.09S–.08 130.41E–.10 134–6 4.4b,3.9b
DJA X 04 20 40 04.1–.20 6S–2.0 131E–2.0 133–7 5.1b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 05 04 36 11.9–.59 6.81S–.05 129.79E–.09 150 4.4b 28 5-82
NEIC X 05 04 36 12.2–.96 6.76S–.08 129.7E–.10 144–11 4.6b **¶621203157**
IDC X 05 04 36 13.8–2.9 6.82S 129.51E 150–36 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=11.7km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.5km s-min=20.5km az=90.0.
ISC X 05 06 09 39.5–1.4 6.1S–.10 128.4E–.10 250 9 6-71
IDC X 05 06 09 40.0–4.4 6.03S 128.51E 262–41 4.1,3.2b **¶621203159**
ISC Event type se.
IDC Error ellipse: s-maj=63.5km s-min=13.6km az=69.0.
ISC X 05 20 45 26.7–.55 7.73S–.05 128.45E–.04 100 4.1b 69 3-151
NEIC X 05 20 45 28.4–2.6 7.68S–.08 128.43E–.06 116–9 4.3b **¶621203193**
DJA X 05 20 45 28.0–.40 8S–4.0 128E–3.0 170–12 5.2b,4.8b
IDC X 05 20 45 28.6–1.8 7.65S 128.35E 126–17 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.3km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.8km s-min=12.9km az=110.0.
ISC X 05 20 59 35.3–.57 5.70S–.04 130.99E–.05 103–6 4.5b 214 2-151
DJA X 05 20 59 34.8–.20 6S–2.0 131E–2.0 10 5.6b,5.2b **¶621126138**

GFZ X 05 20 59 35.6–.16 6S–2.0 131E–2.0 107 5.2b,4.6b
NEIC X 05 20 59 36.0–1.9 5.70S–.05 130.97E–.07 102–6 4.5b,4.6b
IDC X 05 20 59 39.2–.71 5.73S 131.03E 131–6 4.4,3.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.9km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.4km s-min=11.8km az=61.0.
ISC X 06 04 02 49.3–.48 6.88S–.05 129.63E–.07 139 4.2b 45 2-151
IDC X 06 04 02 47.0–2.5 7.01S 129.46E 108–23 4.2,3.7b **¶621217121**
NEIC X 06 04 02 49.6–1.9 6.88S–.06 129.49E–.08 130–6 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 07 12 07 19.9–.55 6.97S–.06 129.62E–.09 200 3.9b 43 2-83
IDC X 07 12 07 14.9–4.3 7.03S 129.43E 140–42 4.1,3.7b **¶621134150**
NEIC X 07 12 07 18.9–1.1 6.94S–.07 129.58E–.08 175–7 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 12 15 21.1–.51 7.12S–.05 129.31E–.05 150 3.9b 64 2-151
IDC X 06 12 15 17.8–2.3 7.14S 129.17E 122–23 4.2,3.7b **¶621126473**
DJA X 06 12 15 21.4–.40 7S–3.0 129E–3.0 225–11 4.9b,4.6
NEIC X 06 12 15 22.1–2.4 7.06S–.06 129.28E–.08 156–9 4.1b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 07 16 18 17.8–.96 6.55S–.07 130.0E–.20 150 8 6-68
IDC X 07 16 18 18.4–2.9 6.52S 129.71E 121–40 3.3,3.2b **¶621217223**
ISC Event type se.
IDC Error ellipse: s-maj=67.3km s-min=22.0km az=90.0.
ISC X 07 17 43 00.8–.46 6.57S–.05 130.13E–.05 146 4.1b 88 2-82
IDC X 07 17 42 58.1–2.5 6.52S 130.07E 110–27 4.2,3.6b **¶621217228**
NEIC X 07 17 43 01.2–2.0 6.36S–.08 130.07E–.07 132–9 4.4b,3.6b
DJA X 07 17 43 01.2–.30 6S–2.0 130E–3.0 152–9 5.0b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 11 07 57 12.1–2.2 7.49S 127.89E 0 3.7L,3.6b
¶621236866
IDC Error ellipse: s-maj=283.1km s-min=25.8km az=63.0.
ISC X 09 06 03 53.7–.74 7.05S–.04 129.85E–.09 104 3.9b 23 2-83
IDC X 09 06 03 53.5–2.8 7.07S 129.91E 107–29 4.2,3.7b **¶621235307**
DJA X 09 06 03 56.6–.30 7S–3.0 130E–4.0 145–9 4.8b,4.4
ISC Event type se.
IDC X 08 10 44 41.2–1.5 6.90S 128.97E 0 3.9b,3.7
¶621224647
IDC Error ellipse: s-maj=126.4km s-min=21.1km az=66.0.
ISC X 08 22 04 12.3–.42 7.45S–.04 128.86E–.04 131 4.1b 118 2-151
IDC X 08 22 04 10.9–2.5 7.48S 128.73E 112–24 4.2,3.9s **¶621143673**
GFZ X 08 22 04 12.0–.26 7S–3.0 129E–3.0 135–4 4.7b,4.4
NEIC X 08 22 04 12.7–1.5 7.40S–.06 128.88E–.03 125–7 4.2b,4.4
DJA X 08 22 04 13.2–.20 7S–3.0 129E–2.0 140–9 5.0b,4.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 10 02 50 36.1–2.4 6.95S 128.60E 0 4.1L,3.8
¶621235363
IDC Error ellipse: s-maj=283.5km s-min=24.5km az=65.0.
IDC X 12 20 17 18.2–1.2 6.19S 130.77E 0 3.4b,3.3
¶621236968
IDC Error ellipse: s-maj=41.7km s-min=11.9km az=93.0.
ISC X 11 13 29 34.2–.88 7.24S–.06 129.6E–.20 139 3.6b 11 7-83
IDC X 11 13 29 33.8–2.8 7.19S 129.25E 126–29 3.9,3.5b **¶621236888**
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=16.8km az=80.0.
ISC X 11 21 23 29.2–.70 7.80S–.05 128.4E–.10 100 3.8b 16 7-78
IDC X 11 21 23 31.4–2.7 7.69S 128.32E 124–32 4.0,3.5b **¶621236910**
ISC Event type se.
IDC Error ellipse: s-maj=46.7km s-min=16.3km az=98.0.
ISC X 11 16 35 45.9–.35 7.65S–.04 128.18E–.05 142 4.3b 157 3-127
IDC X 11 16 35 45.5–2.4 7.60S 128.06E 135–24 4.3,3.8b **¶621145557**
GFZ X 11 16 35 47.8–.24 7S–3.0 128E–2.0 166–3 4.7b,4.3b
NEIC X 11 16 35 48.2–1.3 7.52S–.06 128.17E–.06 156–7 4.4b,4.3b
DJA X 11 16 35 48.1–.90 8S–2.0 128E–2.0 28–10 5.3b,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 03 53 01.0–.55 6.94S–.06 129.76E–.09 150 4.6b 27 5-118
IDC X 12 03 52 47.8–1.4 6.46S 128.50E 0 4.0b,3.9L **¶621236922**
NEIC X 12 03 53 00.9–1.1 6.84S–.08 129.72E–.05 136–7 4.7b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 13 03 19.9–.91 6.08S–.07 130.67E–.07 150 29 2-68
DJA X 12 13 03 19.6–.40 6S–3.0 131E–4.0 163–9 3.6b,3.5 **¶621236953**
IDC X 12 13 03 27.1–5.2 6.60S 130.19E 191–50 3.4,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=63.9km s-min=23.7km az=73.0.
ISC X 13 04 46 45.3–.72 6.76S–.06 128.16E–.09 300 3.7b 29 5-71
IDC X 13 04 46 44.4–2.8 6.70S 127.72E 273–37 4.0,3.1b **¶621238951**
NEIC X 13 04 46 46.6–1.8 6.78S–.09 128.1E–.10 309–9 4.0b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 14 06 32 56.9–.99 6.35S–.07 130.5E–.30 150 7 6-68
IDC X 14 06 32 56.3–2.5 6.27S 130.11E 124–37 4.0,3.5b **¶621240621**
ISC Event type se.
IDC Error ellipse: s-maj=65.7km s-min=17.0km az=91.0.
ISC X 13 09 57 27.7–.27 7.24S–.04 129.43E–.04 150 4.9b 437 2-151
BJI X 13 09 57 24.1 7.69S 129.82E 172 4.8b,4.7b **¶621146897**
IDC X 13 09 57 26.7–1.7 7.13S 129.50E 135–15 4.8,4.3b
NEIC X 13 09 57 27.9–1.3 7.18S–.07 129.43E–.08 144–7 4.9b,4.3b
DJA X 13 09 57 27.7–.10 7S–1.0 130E–1.0 154–2 5.4b,5.3
GFZ X 13 09 57 28.3–.30 7S–3.0 129E–3.0 152–3 5.2b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC X 13 07 28 23.7–1.6 6.32S 129.83E 0 4.2b,3.8
¶621238959
IDC Error ellipse: s-maj=62.6km s-min=19.1km az=79.0.
IDC X 14 14 24 22.1–2.0 7.24S 127.21E 0 3.7L,3.6
¶621240643
IDC Error ellipse: s-maj=169.5km s-min=22.2km az=62.0.
ISC X 16 07 43 00.0–.71 5.82S–.04 130.70E–.04 101–7 4.4b 166 2-129
IDC X 16 07 42 48.1–.71 5.47S 131.24E 0 4.4L,4.4 **¶621204565**
NEIC X 16 07 43 00.3–1.3 5.81S–.07 130.6E–.10 87–8 4.3b,4.4
GFZ X 16 07 43 00.0–.25 6S–3.0 131E–3.0 115 4.8b,4.4b
DJA X 16 07 43 00.8–.20 6S–2.0 131E–1.0 108–5 4.9b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 15 13 17 12.7–1.1 6.66S–.08 127.7E–.20 408 9 7-71
IDC X 15 13 17 13.7–2.1 6.71S 127.58E 422–28 3.8,2.9b **¶621242064**
ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=12.8km az=74.0.
ISC X 15 19 52 38.9–.89 7.25S–.06 129.17E–.07 156 28 2-68
IDC X 15 19 52 36.1–3.1 7.28S 128.83E 100–43 3.6,3.0b **¶621242081**
DJA X 15 19 52 37.9–.30 7S–3.0 129E–3.0 10 4.7b,4.3b
ISC Event type se.
IDC X 20 16 12 44.2–1.7 7.97S 123.32E 0 3.9L,3.8
¶621246607
IDC Error ellipse: s-maj=79.1km s-min=22.3km az=64.0.
ISC X 16 20 50 13.5–.96 6.86S–.07 129.8E–.20 139 9 6-68
IDC X 16 20 50 14.5–2.7 6.78S 129.67E 134–34 3.7s,3.5 **¶621242145**
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=20.1km az=81.0.
ISC X 17 20 12 49.9–.64 6.60S–.06 129.27E–.07 250 3.5b 34 2-83
IDC X 17 20 12 45.9–1.9 6.46S 129.35E 198–20 4.3s,4.0 **¶621242901**
DJA X 17 20 12 48.5–.50 7S–4.0 129E–3.0 236–11 4.2,4.1
ISC Event type se.
IDC X 19 10 56 40.2–2.5 6.23S 130.68E 0 4.1L,3.6
¶621244076
IDC Error ellipse: s-maj=147.9km s-min=26.2km az=70.0.
ISC X 16 13 37 12.1–.93 7.02S–.06 129.57E–.07 139 21 2-68
IDC X 16 13 37 09.1–2.9 7.10S 129.25E 99–40 3.5,3.0b **¶621242124**
DJA X 16 13 37 14.9–1.7 7S–4.0 130E–4.0 26–17 3.6,3.6
ISC Event type se.
IDC X 17 03 58 14.1–2.3 5.77S 130.26E 0 3.9b,3.7L
¶621242867
IDC Error ellipse: s-maj=158.9km s-min=25.6km az=69.0.
ISC X 17 17 40 36.2–.85 6.76S–.06 129.38E–.07 200 3.5b 31 2-72
IDC X 17 17 40 30.6–12 6.53S 128.91E 108–134 4.2L,4.0 **¶621242896**
DJA X 17 17 40 36.2–.50 7S–3.0 129E–3.0 225–11 4.7b,4.2b
ISC Event type se.
ISC X 19 01 44 23.2–.63 7.78S–.07 127.65E–.09 100 3.8b 29 6-82
IDC X 19 01 44 14.1–1.2 7.09S 127.68E 0 3.9b,3.6 **¶621244055**
NEIC X 19 01 44 23.4–.84 7.7S–.10 127.60E–.09 92–9 4.2b,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA X 19 23 29 48.9–1.1 7S–3.0 130E–3.0 17–10 4.8b,4.1
¶626704058
ISC X 16 11 32 03.5–.90 4.00S–.06 127.39E–.03 34 36 1-69
IDC X 16 11 31 59.7–1.2 3.80S 127.24E 0 3.8,3.7L **¶621242119**
DJA X 16 11 32 02.6–.20 4S–3.0 127E–1.0 10 4.7b,4.1
ISC Event type se.
ISC X 17 10 01 20.5–1.1 7.71S–.07 129.0E–.20 150 8 7-68
IDC X 17 10 01 21.0–2.9 7.57S 128.94E 149–41 3.7,3.3b **¶621242879**
ISC Event type se.
IDC Error ellipse: s-maj=62.4km s-min=21.2km az=91.0.
ISC X 21 06 29 27.6–.86 4.49S–.03 123.42E–.04 35 3.9b 53 1-63
IDC X 21 06 29 23.3–1.3 4.49S 123.35E 0 3.7b,3.7 **¶621261388**
DJA X 21 06 29 27.5–.70 4S–2.0 123E–3.0 32–12 5.1b,4.5b
ISC Event type se.
IDC X 20 15 08 59.9–2.3 5.74S 129.86E 0 3.7b,3.6L
¶621246604
IDC Error ellipse: s-maj=156.9km s-min=26.5km az=68.0.
IDC X 20 15 22 27.7–3.0 7.17S 128.98E 137–40 3.7,3.2b
¶621246605
IDC Error ellipse: s-maj=64.2km s-min=20.9km az=91.0.
IDC X 22 19 20 02.3–2.5 5.70S 129.01E 282–35 3.6,3.0b
¶621309341
IDC Error ellipse: s-maj=60.4km s-min=16.9km az=87.0.
DJA X 21 02 36 35.8–.90 7S–8.0 130E–18 203–17 3.7,3.4
¶626704235
DJA X 21 15 55 52.6–.40 8S–3.0 128E–2.0 162–13 4.2b,3.8
¶626704219
IDC X 21 16 28 59.5–4.7 6.63S 129.16E 198–56 3.3,2.9b
¶621261415
IDC Error ellipse: s-maj=85.9km s-min=17.9km az=77.0.
ISC X 22 20 31 39.2–.76 6.97S–.04 130.54E–.07 100 3.7b 43 1-83
IDC X 22 20 31 30.6–1.9 6.50S 130.81E 0 4.5L,4.0 **¶621309346**
NEIC X 22 20 31 37.6–.70 6.87S–.07 130.1E–.10 81–13 4.2b,4.0
DJA X 22 20 31 40.5–.40 7S–3.0 131E–3.0 122–13 4.8b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 22 11 40 44.1–2.1 6.78S 128.94E 171–27 3.5,3.0b
¶621309324
IDC Error ellipse: s-maj=39.8km s-min=13.9km az=91.0.
IDC X 22 11 49 08.9–1.9 6.98S 128.77E 0 3.7L,3.7b
¶621309325
IDC Error ellipse: s-maj=49.9km s-min=21.2km az=84.0.
ISC X 21 18 29 22.2–.92 7.39S–.08 129.42E–.07 150 36 2-68
IDC X 21 18 29 11.2–2.2 6.71S 129.25E 0 3.6L,3.5b **¶621261423**
DJA X 21 18 29 21.5–.30 7S–2.0 129E–2.0 139–10 3.9,3.8
ISC Event type se.
ISC X 23 03 41 56.4–.94 6.82S–.06 130.6E–.20 100 9 6-73
IDC X 23 03 41 57.7–2.7 6.76S 130.37E 102–34 3.9,3.4b **¶621309357**
ISC Event type se.
IDC Error ellipse: s-maj=70.7km s-min=21.5km az=89.0.
ISC X 22 21 09 30.3–.79 4.81S–.04 129.89E–.05 191–7 3.7b 43 0-71
IDC X 22 21 09 30.8–2.3 4.82S 129.87E 187–31 3.7,3.3b **¶621309350**
DJA X 22 21 09 31.1–.40 5S–2.0 130E–2.0 177–4 3.7,3.7
ISC Event type se.
ISC X 24 21 09 25.9–.64 5.90S–.05 130.6E–.10 124 4.0b 27 2-131
IDC X 24 21 09 23.8–3.0 6.03S 130.27E 92–33 4.1,3.7b **¶621366413**
NEIC X 24 21 09 25.5–1.1 5.91S–.04 130.5E–.20 102–10 4.1b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 10 32 43.3–.32 6.98S–.04 129.97E–.05 150 4.5b 196 2-151
IDC X 23 10 32 38.8–1.7 6.98S 129.97E 96–16 4.5,4.1b **¶621237871**
GFZ X 23 10 32 41.9–.25 7S–3.0 130E–2.0 140–3 5.2L,5.0b
DJA X 23 10 32 41.4–.30 7S–2.0 130E–2.0 169–6 5.0b,4.8b
NEIC X 23 10 32 43.1–1.2 6.91S–.07 129.93E–.08 138–7 4.5b,4.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 22 03 04.7–1.6 7.8S–.10 127.9E–.20 150 7 10-68
IDC X 23 22 03 02.1–10 7.68S 127.87E 122–111 3.6L,3.6 **¶621309396**
ISC Event type se.
IDC Error ellipse: s-maj=73.9km s-min=41.4km az=38.0.
ISC X 23 07 12 58.8–.54 6.06S–.05 129.21E–.06 250 4.0b 80 2-93
NEIC X 23 07 12 57.2–1.5 5.84S–.09 128.91E–.07 220–9 4.4b **¶621237878**
GFZ X 23 07 12 58.2–.24 6S–4.0 129E–4.0 255–5 5.7b,5.2
IDC X 23 07 12 59.0–2.3 6.10S 129.22E 210–25 4.4,3.5b
DJA X 23 07 12 59.8–.30 6S–3.0 129E–3.0 246–6 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 23 19 09 09.6–.71 6.71S–.05 130.29E–.07 100 3.9b 52 2-83
IDC X 23 19 09 06.0–2.8 6.84S 129.97E 57–31 4.1L,4.1 **¶621309391**
NEIC X 23 19 09 09.9–1.4 6.65S–.04 130.28E–.10 99–10 4.1b,4.1
DJA X 23 19 09 09.9–.30 7S–2.0 130E–3.0 128–8 4.6b,4.3b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 26 08 29 16.9–1.9 7.12S 129.19E 0 3.4L,3.4b ¶621366465
IDC Error ellipse: s-maj=43.4km s-min=19.8km az=79.0.
ISC X 25 03 15 07.6–.98 7.50S–.07 128.7E–.20 151 9 7-72
IDC X 25 03 15 08.6–2.8 7.33S 128.55E 157–38 4.6s,4.2 **¶621366421**
ISC Event type se.
IDC Error ellipse: s-maj=59.1km s-min=16.3km az=95.0.
ISC X 25 04 57 46.7–1.6 4.19S–.05 128.81E–.04 10–10 23 1-70
IDC X 25 04 57 47.1–1.3 4.10S 128.70E 0 3.9b,3.9 **¶621366426**
DJA X 25 04 57 48.0–.40 4S–4.0 129E–3.0 10–5 3.4,3.4
ISC Event type se.
DJA X 27 04 54 26.3–.60 7S–4.0 129E–3.0 217–16 4.2,4.2 ¶626704700
ISC X 26 18 11 43.9–.80 5.80S–.04 131.11E–.05 96–10 3.8b 68 2-68
IDC X 26 18 11 39.7–2.5 6.06S 131.04E 48–37 4.4L,4.2 **¶621366488**
DJA X 26 18 11 42.6–.80 6S–2.0 131E–2.0 16–6 5.1b,4.4
NEIC X 26 18 11 43.7–1.6 5.77S–.04 130.9E–.10 78–14 4.1b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 27 20 41 56.3–.25 5.98S–.03 128.74E–.03 322 4.7b 534 2-152
NEIC X 27 20 41 57.2–1.9 5.99S–.07 128.73E–.07 326–5 4.7b **¶621242483**
IDC X 27 20 41 57.7–1.2 6.02S 128.68E 334–12 5.1,4.3b
GFZ X 27 20 41 58.3–.23 6S–3.0 129E–3.0 336–3 5.0b,4.9b
DJA X 27 20 41 58.1–.10 6S–2.0 129E–1.0 321–2 5.3,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC X 27 00 17 01.2–2.3 6.28S 129.64E 164–29 3.8,3.2b ¶621385441
IDC Error ellipse: s-maj=46.9km s-min=14.4km az=85.0.
ISC X 27 21 31 00.6–.92 7.52S–.07 128.2E–.20 100 3.7b 9 7-78
IDC X 27 21 31 02.0–3.4 7.42S 128.14E 114–43 3.6,3.4b **¶621385474**
ISC Event type se.
IDC Error ellipse: s-maj=69.8km s-min=22.3km az=92.0.
ISC X 27 22 31 01.7–.79 5.22S–.05 129.89E–.07 150 26 2-71
IDC X 27 22 31 02.1–3.2 5.01S 129.54E 152–42 3.6,3.5s **¶621385478**
DJA X 27 22 31 03.0–.50 5S–5.0 130E–4.0 163–9 3.7,3.5
ISC Event type se.
ISC X 28 02 32 06.4–.44 7.61S–.03 128.44E–.03 143–4 5.0b 451 3-162
BJI X 28 02 32 01.1 7.91S 128.77E 147 5.1b,5.1b **¶621242546**
NEIC X 28 02 32 05.7–1.7 7.48S–.06 128.44E–.06 128–4 5.1b,5.1b
IDC X 28 02 32 08.7–1.8 7.43S 128.41E 157–16 5.0,4.5b
GFZ X 28 02 32 08.7–.15 8S–2.0 128E–2.0 166 5.3,5.1b
DJA X 28 02 32 08.2–.10 8S–2.0 128E–1.0 150–4 5.2,5.1b
GCMT X 28 02 32 09.7–.40 7.61S–.03 128.24E–.03 161–4 4.9W,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110280232A. Moment Tensor Solution. s10,c11; s79,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.74±.12 $M_{\theta\theta}$-3.20±.14; $M_{\phi\phi}$1.46±.17; $M_{r\theta}$0.57±.11; $M_{\theta\phi}$0.38±.18; $M_{\phi r}$1.15±.11; Best double couple: NP1:ϕ_s309.00000°,δ53.00000° ,λ145.00000°. NP2:ϕ_s61.00000°,δ63.00000°,λ42.00000°. Principal axes: T 2.8350,Plg48.0000°,Azm280.0000°; N 0.4440,Plg41.0000°,Azm88.0000° ; P -3.2790,Plg6.0000°,Azm183.0000° M_o3.05700×10^{16}
ISC X 28 07 03 01.5–.36 6.42S–.04 130.28E–.06 150 4.4b 155 2-124
IDC X 28 07 02 58.4–1.7 6.25S 130.21E 107–15 4.4,4.0b **¶621242583**
NEIC X 28 07 02 59.8–1.4 6.30S–.07 130.23E–.09 116–8 4.5b,4.0b
GFZ X 28 07 03 00.7–.31 6S–3.0 130E–4.0 119–3 4.7L,4.6b
DJA X 28 07 03 01.6–.20 6S–2.0 130E–2.0 135–7 5.3b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 29 00 03 25.5–.66 6.58S–.05 130.02E–.09 146 4.1b 29 2-73
IDC X 29 00 03 23.8–2.6 6.61S 129.88E 120–34 4.1,3.6b **¶621391410**
NEIC X 29 00 03 26.0–1.8 6.58S–.05 129.9E–.10 138–12 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 28 06 01 13.3–.60 6.04S–.06 128.01E–.09 400 3.8b 30 5-84
NEIC X 28 06 01 14.2–1.6 6.03S–.10 127.9E–.10 405–11 4.0b **¶621391389**
IDC X 28 06 01 15.9–2.2 5.89S 128.46E 433–31 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=13.1km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.3km s-min=11.4km az=70.0.
ISC X 29 18 54 55.9–.75 5.31S–.04 131.89E–.04 96–9 4.0b 75 1-68
IDC X 29 18 54 51.3–1.4 5.21S 131.52E 0 4.2L,4.1 **¶621391458**
NEIC X 29 18 54 54.7–2.0 5.30S–.04 131.6E–.10 49–13 4.3b,4.1
DJA X 29 18 54 55.6–.20 5S–2.0 132E–2.0 97–4 4.1,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 01 28 25.5–1.4 6.89S–.10 129.8E–.20 104 3.8b 9 12-72
IDC X 29 01 28 15.8–1.3 6.03S 129.87E 0 3.9L,3.8b **¶621391414**
ISC Event type se.
IDC Error ellipse: s-maj=55.5km s-min=15.9km az=78.0.
ISC X 30 11 43 20.4–1.0 7.76S–.07 125.73E–.08 35 22 1-82
IDC X 30 11 43 18.0–1.6 7.57S 125.39E 0 3.7b,3.7 **¶621395172**
DJA X 30 11 43 20.3–.70 8S–3.0 125E–6.0 10 3.5,3.5
ISC Event type se.
ISC X 30 12 45 51.1–1.0 4.59S–.07 127.20E–.06 23 3.9b 30 1-69
IDC X 30 12 45 47.8–.95 4.50S 127.07E 0 3.8b,3.8 **¶621395176**
DJA X 30 12 45 50.9–.30 5S–3.0 127E–2.0 10 4.4b,4.0
ISC Event type se.
ISC X 30 09 25 59.7–1.0 5.42S–.05 130.66E–.05 77 29 1-67
IDC X 30 09 25 56.0–3.1 5.63S 130.18E 57–40 4.5s,3.9 **¶621395166**
DJA X 30 09 26 01.1–.40 5S–2.0 131E–3.0 91–8 5.8,5.6
ISC Event type se.
ISC X 30 09 55 28.5–.90 5.73S–.05 130.76E–.06 68 20 1-43
IDC X 30 09 55 28.4–7.6 5.94S 130.73E 50–86 3.8s,3.6 **¶621395169**
DJA X 30 09 55 30.4–.60 6S–4.0 131E–4.0 86–14 4.8b,3.8
ISC Event type se.
ISC X 30 15 56 16.1–.93 4.61S–.06 127.17E–.06 23 22 1-65
IDC X 30 15 56 12.3–2.2 3.96S 128.23E 0 3.3b,3.2 **¶621395182**
DJA X 30 15 56 15.6–.30 5S–3.0 127E–2.0 10 4.1b,3.6
ISC Event type se.
IDC X 30 18 34 04.2–7.2 7.45S 129.71E 235–81 3.6,2.9s ¶621395192
IDC Error ellipse: s-maj=128.0km s-min=33.5km az=72.0.
ISC X 30 11 11 42.2–.36 7.68S–.02 125.51E–.03 18–1 5.4b,4.8s 1066 1-172
IDC X 30 11 11 39.5–.35 7.62S 125.46E 0 5.1,5.0b **¶621244410**
BJI X 30 11 11 39.4 7.70S 125.40E 9 5.4b,5.0b
MOS X 30 11 11 39.8–1.0 7.67S 125.49E 15 5.6b,4.7s
GFZ X 30 11 11 41.7 7.66S 125.57E 16 5.5W,4.7s
GFZ X 30 11 11 41.7–.15 8S–2.0 126E–2.0 10 5.8b,5.7L
DJA X 30 11 11 42.4–.10 8S–1.0 126E–1.0 15 5.9b,5.7
NEIC X 30 11 11 42.1–1.1 7.71S–.05 125.46E–.06 17–4 5.5b,5.0
NEIC X 30 11 11 42.8 7.71S 125.45E 22 5.5b,5.0
NEIC X 30 11 11 43.1 7.51S 125.66E 18 5.5,5.0
GCMT X 30 11 11 45.4–.10 7.50S–.01 125.61E–.01 18–0 5.5W,5.0

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$0.23 $M_{r\theta}$-1.62 $M_{\theta\phi}$-0.83 $M_{\phi r}$-0.02 NP1: ϕ_s42.62344°,δ26.85284°,λ49.49177°. NP2:ϕ_s266.38225°,δ69.91379°,λ108.20434°. Principal axes: T 2.0586,Plg60.8919°,Azm203.3898°; N 0.3833,Plg17.0619°,Azm79.9383° ; P -2.4419,Plg22.8310°,Azm342.5144° M_o2.27464×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.97 $M_{\theta\theta}$-1.05 $M_{\phi\phi}$0.08 $M_{r\theta}$-1.76 $M_{\theta\phi}$-0.65 $M_{\phi r}$0.27 NP1:ϕ_s37.62000°,δ24.30000° ,λ37.17000°. NP2:ϕ_s272.97000°,δ75.60000°,λ109.79000°. Principal axes: T 2.1390,Plg55.0000°,Azm208.0000°; N 0.0106,Plg19.0000°,Azm88.0000° ; P -2.1496,Plg28.0000°,Azm347.0000° M_o2.14000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110301111A. Moment Tensor Solution. s116,c217; s139,c288;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.37±.03 $M_{\theta\theta}$-1.80±.02; $M_{\phi\phi}$0.42±.03; $M_{r\theta}$-1.09±.06; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$-0.16±.06; Best double couple: NP1: ϕ_s47.00000°,δ33.00000°,λ60.00000°. NP2:ϕ_s262.00000°,δ62.00000°,λ108.00000°. Principal axes: T 1.7380,Plg68.0000°,Azm206.0000°; N 0.8030,Plg16.0000°,Azm73.0000° ; P -2.5460,Plg15.0000°,Azm339.0000° M_o2.14200×10^{17}
ISC X 30 11 15 15.1–.34 4.59S–.05 127.08E–.06 23 4.9b 121 5-166
IDC X 30 11 15 10.9–.78 4.67S 127.08E 0 4.8b,4.8 **¶621244491**
NEIC X 30 11 15 15.3–.76 4.58S–.07 127.05E–.07 19–4 4.9b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 31 11 26 56.5–.41 7.51S–.05 128.46E–.05 150 4.0b 97 3-151
IDC X 31 11 26 55.8–2.4 7.40S 128.42E 142–22 4.3,3.7b **¶621244729**
DJA X 31 11 26 56.6–.60 8S–4.0 129E–3.0 230–11 4.7,4.6b
NEIC X 31 11 26 58.6–.90 7.37S–.07 128.45E–.07 170–5 4.1b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 31 01 57 56.8–7.0 7.32S 129.92E 236–77 3.7,3.0b ¶621395216
IDC Error ellipse: s-maj=80.4km s-min=31.9km az=72.0.
ISC X 31 02 06 31.4–.34 7.29S–.04 129.12E–.04 150 4.5b 215 2-151
NEIC X 31 02 06 32.9–2.6 7.16S–.07 129.13E–.05 156–8 4.5b **¶621244542**
IDC X 31 02 06 32.3–1.9 7.26S 129.11E 148–18 4.4,3.8b
GFZ X 31 02 06 32.8–.14 7S–2.0 129E–2.0 170 5.1b,4.6b
DJA X 31 02 06 33.0–.20 7S–2.0 129E–2.0 173–6 5.1b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 31 06 04 57.4–.98 4.7S–.10 127.14E–.09 10 8 6-69
IDC X 31 06 04 57.5–.95 4.50S 127.01E 0 3.8b,3.8 **¶621395227**
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=13.6km az=136.0.
ISC X 31 14 30 49.0–.38 6.04S–.04 128.69E–.05 350 3.9b 131 2-84
IDC X 31 14 30 48.8–1.6 6.02S 128.60E 340–17 4.3,3.5b **¶621244743**
NEIC X 31 14 30 49.0–1.3 6.00S–.07 128.61E–.09 338–8 4.0b,3.5b
DJA X 31 14 30 48.7–.20 6S–2.0 129E–2.0 338 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 31 13 05 14.0–.70 7.39S–.05 129.75E–.09 150 25 2-68
NEIC X 31 13 05 14.8–1.0 7.32S–.08 129.64E–.07 141–13 4.3b **¶621395249**
IDC X 31 13 05 14.5–2.8 7.37S 129.52E 129–40 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.5km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=65.6km s-min=21.4km az=91.0.
IDC X 31 15 00 13.5–4.5 5.34S 128.88E 318–49 3.4,3.2b ¶621395253
IDC Error ellipse: s-maj=110.9km s-min=31.5km az=90.0.
ISC XI 01 14 43 10.3–1.1 4.74S–.05 129.88E–.05 26–8 27 0-66
IDC XI 01 14 43 06.7–1.2 4.80S 129.68E 0 3.6L,3.6b **¶621401272**
DJA XI 01 14 43 09.9–.50 5S–3.0 130E–3.0 16–3 4.0b,3.8
ISC Event type se.
ISC XI 03 06 17 16.3–.93 6.84S–.07 129.93E–.07 150 39 2-68
IDC XI 03 06 17 04.0–1.7 6.88S 128.60E 0 3.9L,3.8 **¶621412221**
DJA XI 03 06 17 17.7–1.5 7S–2.0 130E–2.0 34–26 5.6b,5.1
ISC Event type se.
IDC XI 01 23 05 42.0–17 6.16S 128.89E 177–181 3.6,3.4L ¶621401312
IDC Error ellipse: s-maj=148.7km s-min=53.6km az=44.0.
ISC XI 02 16 43 53.2–.22 6.90S–.02 130.49E–.03 107–1 6.0b 2058 1-168
BJI XI 02 16 43 49.2 7.10S 130.60E 101 6.2b,5.9b **¶621254068**
MOS XI 02 16 43 50.6–.89 6.90S 130.48E 93 6.3b,5.9b
NEIC XI 02 16 43 52.7 6.92S 130.49E 94 6.3b,5.9b
NEIC XI 02 16 43 52.3 6.91S 130.50E 90 6.3b,5.9b
PTWC XI 02 16 43 52 7.10S 130.60E 67 5.7,5.9b
NEIC XI 02 16 43 52.8–1.7 6.88S–.06 130.50E–.06 94–1 5.9b,5.7
IPGP XI 02 16 43 52.0 6.92S 130.51E 103 5.9W,5.7
GFZ XI 02 16 43 53.5–.10 7S–2.0 130E–2.0 102 6.5L,6.4b
GFZ XI 02 16 43 53.8 6.96S 130.54E 105 5.8W,6.4b
IDC XI 02 16 43 53.4–1.1 6.85S 130.50E 101–9 6.0,5.7b
DJA XI 02 16 43 53.4–.10 7S–1.0 131E–1.0 112–1 6.6,6.3b
GCMT XI 02 16 43 54.8–.10 6.94S 130.57E 114–0 5.9W,6.3b
NEIC XI 02 16 43 55.7 6.91S 130.70E 100 5.9,6.3b
ISC Event type se.
MOS Error ellipse: s-maj=8.1km s-min=4.6km az=115.7.
NEIC Event type se.
NEIC Event type se.
PTWC KEPULAUAN TANIMBAR REGION, INDONESIA.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.9km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.90 $M_{\theta\theta}$-2.04 $M_{\phi\phi}$0.14 $M_{r\theta}$2.00 $M_{\theta\phi}$3.35 $M_{\phi r}$1.77 NP1:ϕ_s342.64000°,δ57.13000°,λ152.00000°. NP2:ϕ_s88.74000°,δ66.78000° ,λ36.19000°. Principal axes: T 4.8833,Plg41.0000°,Azm309.0000°; N -0.3488,Plg48.0000° ,Azm117.0000°; P -4.5345,Plg6.0000°,Azm214.0000° M_o4.72000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s84.00000°,δ67.00000°,λ23.00000°. NP2:ϕ_s344.00000° ,δ69.00000°,λ155.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.27 $M_{\theta\theta}$-3.27 $M_{\phi\phi}$1.00 $M_{r\theta}$1.76 $M_{\theta\phi}$5.09 $M_{\phi r}$1.98 NP1: ϕ_s343.36580°,δ64.67771°,λ156.23074°. NP2:ϕ_s84.03352°,δ68.63380°,λ27.34034°. Principal axes: T 6.1543,Plg34.0596°,Azm304.7295°; N 0.5135,Plg55.8165°,Azm119.2041° ; P -6.6678,Plg2.5687°,Azm212.9915° M_o6.42641×10^{17}
IDC Error ellipse: s-maj=11.0km s-min=6.9km az=68.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111021643A. Moment Tensor Solution. s148,c306; s164,c505;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}2.76±.04 $M_{\theta\theta}$-4.45±.05; $M_{\phi\phi}$1.69±.06; $M_{r\theta}$2.05±.04; $M_{\theta\phi}$6.40±.05; $M_{\phi r}$2.58±.04; Best double couple: NP1:ϕ_s342.00000°,δ66.00000°,λ157.00000°. NP2:ϕ_s82.00000°,δ69.00000°,λ26.00000°. Principal axes: T 7.8350,Plg33.0000°,Azm303.0000°; N 0.6550,Plg57.0000°,Azm119.0000° ; P -8.4910,Plg2.0000°,Azm212.0000° M_o8.16300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.89 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$-0.28 $M_{r\theta}$1.41 $M_{\theta\phi}$7.24 $M_{\phi r}$1.93 NP1:ϕ_s89.81000°,δ72.49000° ,λ16.01000°. NP2:ϕ_s354.88000°,δ74.75000°,λ161.83000°. Principal axes: T 7.3647,Plg24.0000°,Azm312.0000°; N 0.8613,Plg66.0000°,Azm136.0000° ; P -8.2260,Plg2.0000°,Azm43.0000° M_o7.83000×10^{17}

ISC XI 03 17 44 01.6–.87 4.72S–.06 129.49E–.05 200 30 0-66
DJA XI 03 17 44 05.2–.60 5S–4.0 130E–3.0 176–6 3.2,3.2 **¶621412254**
IDC XI 03 17 44 09.7–10 4.90S 129.54E 282–109 3.5,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=123.3km s-min=34.3km az=64.0.
ISC XI 03 04 15 54.4–.56 6.90S–.05 130.23E–.06 104 4.3b 74 2-83
IDC XI 03 04 15 50.0–2.8 6.87S 130.10E 75–38 4.3L,4.1 **¶621412214**
NEIC XI 03 04 15 51.0–1.5 6.66S–.09 130.39E–.07 69–9 4.4b,4.1
DJA XI 03 04 15 55.0–.20 7S–2.0 130E–2.0 70–17 5.1b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 03 08 24 38.7–.55 7.16S–.05 129.84E–.05 104 3.9b 60 2-83
IDC XI 03 08 24 34.8–2.4 6.91S 130.08E 75–24 4.0,3.7b **¶621412231**
NEIC XI 03 08 24 38.0–1.7 6.94S–.06 130.0E–.10 101–5 4.0b,3.7b
DJA XI 03 08 24 45.7–.30 7S–3.0 130E–2.0 10 5.5b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 06 05 30 20.8–.35 6.15S–.04 130.23E–.05 150 4.5b 299 2-129
IDC XI 06 05 30 21.9–1.8 6.14S 130.30E 162–17 4.4,3.8b **¶621370651**
GFZ XI 06 05 30 22.4–.16 6S–2.0 130E–2.0 181 5.4,5.3b
NEIC XI 06 05 30 22.7–1.5 6.12S–.08 130.18E–.09 162–7 4.5b,5.3b
DJA XI 06 05 30 23.0–.10 6S–2.0 130E–1.0 169–2 5.5,5.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 03 22 50 00.2–.52 7.59S–.06 128.59E–.09 151 4.1b 58 5-151
IDC XI 03 22 49 53.5–2.3 7.54S 128.77E 85–22 4.2,3.8b **¶621412262**
NEIC XI 03 22 49 58.1–1.2 7.52S–.08 128.73E–.09 124–8 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 04 07 56 56.1–.34 6.88S–.04 129.63E–.04 139 4.6b 280 2-155
IDC XI 04 07 56 55.0–2.0 6.87S 129.51E 131–19 4.6,3.9b **¶621261770**
NEIC XI 04 07 56 56.0–1.1 6.82S–.07 129.53E–.08 132–8 4.5b,3.9b
GFZ XI 04 07 56 57.9–.32 7S–3.0 130E–3.0 155–4 5.1b,4.8b
DJA XI 04 07 56 58.0–.10 7S–2.0 130E–1.0 150–2 5.3b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 05 17 50 30.1–.56 7.15S–.06 125.12E–.08 543 4.2b 40 3-95
IDC XI 05 17 50 30.4–2.2 7.16S 125.16E 554–35 3.9,3.2b **¶621413982**
NEIC XI 05 17 50 30.4–1.9 7.11S–.10 125.1E–.10 538–12 4.4b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 05 18 51 20.5–2.1 6.68S 129.18E 0 3.8L,3.5b
¶621413987
IDC Error ellipse: s-maj=139.0km s-min=25.9km az=66.0.
ISC XI 03 20 41 44.1–.44 4.99S–.04 129.38E–.06 250 3.6b 93 1-92
IDC XI 03 20 41 44.2–1.4 4.97S 129.67E 243–14 4.0,3.3b **¶621412260**
NEIC XI 03 20 41 44.0–1.9 4.99S–.07 129.5E–.10 242–4 4.2b,3.3b
DJA XI 03 20 41 46.5–.30 5S–3.0 129E–2.0 226–4 4.5,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 06 00 56 43.7–.51 7.54S–.05 128.15E–.04 142 4.0b 82 3-78
IDC XI 06 00 56 41.9–3.0 7.61S 127.93E 125–30 4.3,3.7b **¶621415964**
NEIC XI 06 00 56 44.1–1.0 7.48S–.07 128.07E–.09 141–11 4.2b,3.7b
DJA XI 06 00 56 47.0–.40 8S–3.0 128E–3.0 77–47 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 06 05 39 53.9–5.1 6.81S 128.36E 245–51 3.9,2.8b
¶621415970
IDC Error ellipse: s-maj=81.3km s-min=22.0km az=67.0.
IDC XI 06 14 19 48.7–2.5 6.52S 129.93E 111–33 4.0,3.7b
¶621415986
IDC Error ellipse: s-maj=54.0km s-min=13.1km az=87.0.
IDC XI 06 09 46 40.2–1.5 6.52S 128.42E 0 3.8L,3.7
¶621415977
IDC Error ellipse: s-maj=62.9km s-min=19.4km az=76.0.
ISC XI 07 21 14 56.3–.78 4.56S–.04 129.82E–.05 10 3.6b 31 0-91
IDC XI 07 21 14 55.6–1.2 4.48S 129.45E 0 3.5b,3.5 **¶621416051**
DJA XI 07 21 14 57.7–.30 5S–2.0 130E–2.0 10 3.2,3.2
ISC Event type se.
ISC XI 06 23 24 53.3–.74 7.57S–.07 128.12E–.07 150 3.4b 30 3-82
IDC XI 06 23 24 54.7–2.1 7.51S 128.11E 168–22 3.9,3.3b **¶621416009**
NEIC XI 06 23 24 55.0–1.6 7.48S–.10 128.16E–.04 171–10 4.0b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 07 13 49 44.8–2.7 6.50S 129.94E 134–38 3.4,3.2b
¶621416041
IDC Error ellipse: s-maj=71.1km s-min=17.1km az=91.0.
ISC XI 08 17 49 41.6–.81 7.34S–.05 129.14E–.08 100 26 2-68
NEIC XI 08 17 49 42.8–2.3 7.31S–.07 129.2E–.10 108–12 4.4b **¶621423114**
IDC XI 08 17 49 43.0–2.9 7.23S 129.12E 105–42 3.8s,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.2km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=68.6km s-min=17.0km az=96.0.
ISC XI 08 08 31 08.2–.33 7.20S–.04 126.47E–.06 412 4.2b 229 2-95
NEIC XI 08 08 31 07.6–.93 7.12S–.08 126.54E–.08 396–7 4.2b **¶621372576**
GFZ XI 08 08 31 08.4–.20 7S–3.0 126E–3.0 409–3 4.7b,4.2b
IDC XI 08 08 31 08.5–1.4 7.22S 126.46E 412–16 4.5,3.7b
DJA XI 08 08 31 08.2–.30 7S–3.0 127E–2.0 389–4 4.7,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 10 13 13 50.7–.84 7.19S–.06 129.8E–.10 104 11 6-68
IDC XI 10 13 13 52.9–2.1 7.15S 129.84E 118–20 3.9,3.6b **¶621440061**
ISC Event type se.
IDC Error ellipse: s-maj=46.7km s-min=19.6km az=83.0.
IDC XI 09 11 50 56.0–2.7 6.07S 130.13E 98–35 3.9,3.8b
¶621423151
IDC Error ellipse: s-maj=63.7km s-min=19.6km az=93.0.
ISC XI 08 16 13 05.3–.68 6.41S–.04 130.42E–.05 150 4.3b 56 2-68
IDC XI 08 16 12 54.6–2.0 5.92S 129.74E 0 4.4b,3.7 **¶621423108**
DJA XI 08 16 13 05.4–.30 6S–2.0 130E–2.0 166–6 4.8b,4.0
NEIC XI 08 16 13 05.3–1.1 6.26S–.07 130.3E–.10 122–12 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 02 19 08.6–.64 5.41S–.04 123.23E–.04 14–4 4.8b,3.4s 375 0-132
BJI XI 09 02 19 00.4 6.18S 123.87E 10 5.1b,4.8b **¶621385041**
IDC XI 09 02 19 05.6–.43 5.48S 123.31E 0 4.5b,4.5
NEIC XI 09 02 19 08.2–.82 5.45S–.05 123.20E–.06 10–1 4.8b,4.5
DJA XI 09 02 19 08.8–.10 5S–1.0 123E–1.0 10 5.2b,5.0b
GFZ XI 09 02 19 09.3–.19 5S–3.0 123E–3.0 10 5.1b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 08 23 03 14.8–1.0 4.55S–.06 130.00E–.07 153–8 23 0-66
IDC XI 08 23 03 12.7–5.8 4.61S 129.89E 123–75 3.5,3.1b **¶621423123**
DJA XI 08 23 03 14.9–.70 5S–4.0 130E–4.0 148–5 2.8,2.8
ISC Event type se.
IDC XI 11 12 47 48.7–2.5 6.67S 128.88E 0 3.9b,3.6L
¶621449527
IDC Error ellipse: s-maj=298.4km s-min=22.9km az=66.0.
IDC XI 11 01 42 38.4–2.2 6.71S 129.20E 0 3.5L,3.4b
¶621449498
IDC Error ellipse: s-maj=166.5km s-min=26.2km az=66.0.
DJA XI 11 00 14 48.8–.50 6S–4.0 130E–4.0 157–12 4.1b,3.8
¶626705319
ISC XI 13 05 46 08.4–.58 4.08S–.04 129.21E–.04 146–5 4.3b 140 1-99
IDC XI 13 05 46 06.7–1.2 4.07S 129.30E 132–11 4.5,4.0b **¶621402636**
NEIC XI 13 05 46 08.2–1.4 4.10S–.07 129.12E–.09 132–8 4.4b,4.0b
DJA XI 13 05 46 09.1–.30 4S–2.0 129E–2.0 143–3 5.0b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 11 14 10 52.4–.89 7.59S–.06 128.97E–.10 131 11 6-68
IDC XI 11 14 10 52.6–1.7 7.44S 128.82E 120–25 3.7,3.0b **¶621449529**
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=13.9km az=120.0.
IDC XI 12 01 35 17.7–6.9 7.55S 129.63E 177–73 3.8,3.4b
¶621460191
IDC Error ellipse: s-maj=69.4km s-min=35.6km az=60.0.
IDC XI 15 06 37 48.7–2.9 6.38S 130.90E 120–39 3.5,3.3b
¶621475604
IDC Error ellipse: s-maj=87.3km s-min=22.9km az=86.0.
ISC XI 14 17 29 27.8–.71 6.84S–.06 129.76E–.07 200 3.6b 60 2-71
IDC XI 14 17 29 25.0–1.5 6.77S 129.72E 138–17 4.1,3.4b **¶621468717**
DJA XI 14 17 29 28.0–.30 7S–2.0 130E–2.0 207–7 4.8b,4.1
ISC Event type se.
ISC XI 14 02 02 07.3–.84 7.74S–.07 127.00E–.05 200 41 2-72
IDC XI 14 02 02 05.4–8.4 7.46S 127.19E 194–89 4.0,3.0b **¶621468632**
DJA XI 14 02 02 08.2–.30 8S–4.0 127E–3.0 216–5 4.5b,4.2
ISC Event type se.
ISC XI 14 13 29 38.1–.69 6.41S–.07 128.30E–.09 334 3.6b 33 3-71
NEIC XI 14 13 29 36.5–.68 6.30S–.07 128.43E–.09 305–5 4.0b **¶621468687**
IDC XI 14 13 29 36.7–1.5 6.38S 128.40E 313–16 3.8,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.3km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.4km s-min=9.9km az=76.0.
IDC XI 14 20 40 26.6–2.0 6.48S 129.37E 0 3.8L,3.5b
¶621468740
IDC Error ellipse: s-maj=120.4km s-min=25.4km az=67.0.
ISC XI 14 20 58 02.4–.83 7.68S–.06 128.91E–.10 131 12 6-68
IDC XI 14 20 58 03.9–1.8 7.48S 128.80E 130–22 4.1,3.1b **¶621468742**
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=15.4km az=104.0.
ISC XI 16 07 49 42.8–.57 7.54S–.05 128.18E–.06 150 4.1b 59 3-82
NEIC XI 16 07 49 43.4–2.5 7.49S–.09 128.01E–.08 154–9 4.1b **¶621412336**
DJA XI 16 07 49 44.2–.40 8S–4.0 128E–3.0 185–16 4.7,4.4
IDC XI 16 07 49 45.8–5.8 7.44S 128.02E 179–51 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=11.1km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.1km s-min=17.5km az=54.0.
ISC XI 15 18 40 05.2–.82 6.78S–.06 130.0E–.10 104 11 6-68
IDC XI 15 18 40 07.3–1.8 6.58S 129.84E 120–19 3.7,3.2b **¶621475642**
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=13.0km az=112.0.
ISC XI 15 20 24 41.6–.28 6.32S–.03 130.18E–.04 146 4.8b 503 2-151
BJI XI 15 20 24 38.3 6.61S 130.58E 160 4.7b,4.7b **¶621406940**
IDC XI 15 20 24 41.7–1.4 6.28S 130.18E 140–13 4.7,4.2b
NEIC XI 15 20 24 42.9–2.0 6.24S–.06 130.21E–.07 151–7 4.8b,4.2b
GFZ XI 15 20 24 43.7–.26 6S–3.0 130E–3.0 160–3 4.9b,4.9b
DJA XI 15 20 24 43.0–.10 6S–1.0 130E–1.0 164–2 5.2,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC XI 17 14 47 36.9–1.2 6.46S 130.98E 0 3.8b,3.6L
¶621494212
IDC Error ellipse: s-maj=42.3km s-min=13.2km az=91.0.
ISC XI 19 02 29 28.8–1.6 7.1S–.10 129.5E–.10 10 6 7-68
IDC XI 19 02 29 28.1–2.0 6.68S 129.50E 0 3.8L,3.5 **¶621590260**
ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=24.3km az=72.0.
IDC XI 17 23 08 45.3–2.4 6.60S 129.57E 87–37 3.5,3.4b
¶621494239
IDC Error ellipse: s-maj=61.7km s-min=15.0km az=99.0.
ISC XI 18 18 27 00.5–.43 7.60S–.04 124.44E–.05 400 3.9b 131 1-79
GFZ XI 18 18 27 01.5–.18 8S–3.0 124E–3.0 416–3 4.5b,4.2 **¶621416136**
IDC XI 18 18 27 01.1–.75 7.53S 124.49E 407–10 4.1,3.2b
NEIC XI 18 18 27 02.1–1.7 7.5S–.10 124.5E–.10 414–10 4.4b,3.2b
DJA XI 18 18 27 02.0–.60 8S–4.0 124E–4.0 416–8 4.5b,4.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 18 05 48 57.9–.38 7.49S–.03 128.44E–.03 166–3 4.9b 511 3-152
BJI XI 18 05 48 50.6 8.06S 128.73E 160 4.8b,4.8b **¶621414639**
IDC XI 18 05 48 57.2–1.1 7.45S 128.40E 157–9 4.8,4.4b
DJA XI 18 05 48 57.8–.10 8S–1.0 128E–1.0 164–2 5.5,5.4
NEIC XI 18 05 48 58.3–1.1 7.38S–.07 128.42E–.07 160–7 4.9b,5.4
GFZ XI 18 05 48 58.1–.28 7S–2.0 128E–3.0 160–3 5.1b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 19 06 01 55.1–.51 6.87S–.05 129.57E–.06 150 4.2b 74 2-151
IDC XI 19 06 01 53.9–1.7 6.82S 129.68E 141–16 4.3,3.7b **¶621416416**
NEIC XI 19 06 01 56.7–2.5 6.79S–.08 129.56E–.10 162–8 4.2b,3.7b
DJA XI 19 06 01 56.1–.20 7S–2.0 130E–3.0 202–8 4.8b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 18 22 18 18.8–.74 7.24S–.09 124.8E–.10 543 3.5b 33 3-83
IDC XI 18 22 18 18.7–.92 7.25S 124.81E 553–11 4.0,3.0b **¶621532505**
NEIC XI 18 22 18 19.5–.60 7.2S–.10 124.77E–.06 558–13 4.1b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 22 02 01 16.5–.38 7.32S–.04 129.11E–.04 150 4.4b 200 2-151
IDC XI 22 02 01 14.6–1.5 7.26S 129.14E 126–14 4.2,3.7b **¶621428032**
NEIC XI 22 02 01 16.4–1.8 7.17S–.07 129.05E–.06 146–7 4.3b,3.7b
GFZ XI 22 02 01 17.4–.28 7S–3.0 129E–3.0 145–4 5.0b,4.5b
DJA XI 22 02 01 17.2–.10 7S–1.0 129E–1.0 140–4 5.1b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC XI 19 09 13 30.8–1.8 6.64S 129.25E 0 3.8L,3.8b
¶621590273
IDC Error ellipse: s-maj=43.2km s-min=18.9km az=80.0.
IDC XI 20 07 58 45.8–2.4 6.13S 130.52E 0 4.3s,3.8b
¶621590344
IDC Error ellipse: s-maj=173.8km s-min=24.0km az=70.0.
ISC XI 19 12 27 20.8–.87 5.07S–.06 130.01E–.06 195–9 31 1-67
IDC XI 19 12 27 19.6–2.5 5.10S 129.99E 167–38 3.9,3.1b **¶621590291**
DJA XI 19 12 27 22.8–.50 5S–4.0 130E–3.0 177–6 3.4,3.4
ISC Event type se.
IDC XI 20 10 49 32.6–2.4 6.19S 130.24E 0 3.6b,3.3L
¶621590352
IDC Error ellipse: s-maj=148.9km s-min=26.7km az=69.0.
ISC XI 21 05 26 12.1–.43 6.23S–.04 130.40E–.05 150 4.0b 87 2-151
IDC XI 21 05 26 11.0–2.4 6.27S 130.39E 127–21 4.3,3.9b **¶621608895**
DJA XI 21 05 26 11.8–.30 6S–2.0 130E–2.0 186–7 4.8b,4.3
NEIC XI 21 05 26 13.3–1.0 6.19S–.07 130.5E–.10 149–8 4.1b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 21 05 45 13.2–.73 7.88S–.06 123.19E–.06 250 4.2b 74 0-32
NEIC XI 21 05 45 13.8–1.3 7.9S–.10 123.25E–.05 249–10 4.3b **¶621608896**
IDC XI 21 05 45 13.2–1.4 7.79S 123.36E 229–12 4.2,3.5b
DJA XI 21 05 45 14.6–.60 8S–3.0 123E–3.0 242–6 4.0b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 22 13 33 14.8–.93 7.07S–.06 129.9E–.10 100 11 6-68
IDC XI 22 13 33 16.5–2.2 7.02S 129.72E 118–29 3.7,3.2b **¶621611912**
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=18.4km az=98.0.
ISC XI 22 18 27 49.8–.89 6.32S–.05 130.21E–.07 150 3.4b 21 2-78
DJA XI 22 18 27 49.1–.30 6S–4.0 130E–4.0 220–5 5.8b,5.6 **¶621611922**
IDC XI 22 18 27 51.3–2.3 6.38S 130.19E 106–23 4.1,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=19.3km az=109.0.
ISC XI 23 01 13 06.1–.86 7.19S–.08 127.8E–.10 35 14 4-81
IDC XI 23 01 13 01.9–2.1 6.43S 128.44E 0 4.0L,3.7 **¶621611937**
NEIC XI 23 01 13 14.9–1.2 7.30S–.09 128.6E–.10 138–14 4.2b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 24 06 58 05.1–1.4 7.64S 126.54E 0 3.8b,3.6
¶621613966
IDC Error ellipse: s-maj=45.4km s-min=17.7km az=72.0.
ISC XI 22 19 49 11.2–.78 6.55S–.06 129.9E–.10 150 3.9b 27 2-74
IDC XI 22 19 49 11.0–2.6 6.56S 129.68E 140–27 3.8,3.5b **¶621611926**
NEIC XI 22 19 49 11.7–1.8 6.51S–.07 129.8E–.20 149–10 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 23 14 16 41.2–2.5 5.19S 131.92E 0 3.3b,3.2s
¶621611957
IDC Error ellipse: s-maj=80.1km s-min=26.2km az=81.0.
IDC XI 26 04 49 56.5–4.4 4.29S 128.77E 107–55 3.7,3.0b
¶621621983
IDC Error ellipse: s-maj=75.7km s-min=21.4km az=87.0.
ISC XI 24 23 10 25.2–.97 7.77S–.07 128.48E–.10 150 3.5b 12 5-72
IDC XI 24 23 10 26.7–1.9 7.66S 128.28E 174–21 4.0,3.3b **¶621614010**
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=19.8km az=116.0.
ISC XI 25 00 09 38.4–.66 7.59S–.05 128.46E–.05 151 4.2b 65 3-72
NEIC XI 25 00 09 39.9–1.7 7.44S–.10 128.50E–.09 164–12 4.3b **¶621618675**
IDC XI 25 00 09 39.9–1.9 7.46S 128.39E 167–21 4.4,3.4b
DJA XI 25 00 09 39.9–.30 8S–3.0 128E–2.0 175–11 5.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 24 13 28 00.5–2.8 7.10S 129.86E 171–38 3.5,3.2b
¶621613985
IDC Error ellipse: s-maj=66.3km s-min=21.0km az=88.0.
ISC XI 25 06 55 12.3–.38 6.30S–.04 128.46E–.06 334 4.2b 100 3-81
IDC XI 25 06 55 12.9–1.2 6.27S 128.55E 337–13 4.4,3.5b **¶621464965**
GFZ XI 25 06 55 13.0–.20 6S–3.0 128E–3.0 347–3 4.8b,4.5
NEIC XI 25 06 55 13.8–1.2 6.29S–.08 128.45E–.10 345–9 4.2b,4.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 07 20 14.1–.65 7.98S–.05 127.82E–.08 50 3.8b 31 3-82
IDC XI 25 07 20 10.3–1.1 7.48S 127.46E 0 4.4L,3.9 **¶621618682**
NEIC XI 25 07 20 17.1–.93 7.88S–.06 127.79E–.08 81–13 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 09 58 22.6–1.3 7.58S–.10 128.5E–.20 100 3.4b 9 11-82
IDC XI 25 09 58 24.1–6.3 7.48S 128.50E 119–58 3.6,3.3b **¶621618690**
ISC Event type se.
IDC Error ellipse: s-maj=78.9km s-min=27.7km az=62.0.
ISC XI 25 05 35 49.7–.70 7.23S–.09 129.27E–.09 139 3.9b 24 2-73
IDC XI 25 05 35 37.3–1.5 6.49S 129.42E 0 4.0L,3.9 **¶621618679**
NEIC XI 25 05 35 48.0–1.1 7.17S–.08 129.18E–.08 104–5 4.0b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 15 30 38.1–.53 4.51S–.04 125.50E–.05 409–5 4.2b 222 1-118
IDC XI 26 15 30 38.8–.88 4.51S 125.49E 412–9 4.3,3.5b **¶621476307**
NEIC XI 26 15 30 38.4–2.0 4.46S–.07 125.48E–.08 409–8 4.2b,3.5b
DJA XI 26 15 30 40.3–.20 5S–2.0 126E–1.0 394–3 4.8b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XI 26 08 01 23.6–.40 6S–2.0 131E–3.0 161–8 5.1b,4.4
¶626705851
ISC XI 26 00 24 42.8–.56 7.47S–.05 128.51E–.06 151 4.0b 63 3-151
IDC XI 26 00 24 41.2–2.7 7.46S 128.22E 131–27 4.2,3.7b **¶621621968**
DJA XI 26 00 24 42.8–.40 8S–4.0 129E–3.0 233–12 5.2b,4.7
NEIC XI 26 00 24 43.8–1.4 7.36S–.04 128.45E–.08 159–9 4.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XI 26 17 13 38.6–.60 6S–4.0 130E–6.0 196–14 4.6b,3.8
¶626705818
ISC XI 26 13 44 58.0–.88 6.93S–.05 130.19E–.07 150 38 2-73
IDC XI 26 13 44 56.6–2.4 7.06S 130.26E 106–25 3.9,3.5b **¶621622003**
DJA XI 26 13 44 58.5–.40 7S–3.0 130E–3.0 171–11 4.3b,4.1b
ISC Event type se.
IDC XI 27 02 25 58.8–2.4 6.10S 129.93E 0 3.6b,3.4L
¶621625104
IDC Error ellipse: s-maj=171.1km s-min=26.0km az=68.0.
ISC XI 26 20 22 11.3–.50 6.15S–.03 130.32E–.04 151–6 4.1b 80 2-82
NEIC XI 26 20 22 11.8–1.9 6.19S–.06 130.32E–.09 146–5 4.2b **¶621622027**
IDC XI 26 20 22 11.4–2.5 6.19S 130.23E 139–30 3.9,3.3b
DJA XI 26 20 22 14.5–.30 6S–2.0 130E–2.0 131–8 5.0b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 27 02 37 43.7–.65 5.19S–.05 129.96E–.07 28 4.0b,3.2s 60 1-71
IDC XI 27 02 37 40.5–.94 5.23S 129.91E 0 4.0L,4.0 **¶621625105**
NEIC XI 27 02 37 43.5–1.3 5.18S–.06 129.89E–.03 19–8 4.1b,4.0
DJA XI 27 02 37 43.4–.70 5S–2.0 130E–2.0 14–6 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 29 08 53 10.3–.97 7.89S–.08 128.0E–.10 35 3.7b 12 5-96
IDC XI 29 08 53 08.4–1.1 7.55S 127.69E 0 3.9s,3.8L **¶621626963**
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=13.3km az=80.0.
IDC XI 27 04 01 05.5–2.9 6.15S 130.67E 56–37 4.2L,4.2
¶621625108
IDC Error ellipse: s-maj=75.4km s-min=23.2km az=88.0.
IDC XI 28 12 37 43.2–3.0 6.58S 129.41E 159–41 3.5,3.0b
¶621625177
IDC Error ellipse: s-maj=63.7km s-min=21.5km az=89.0.
IDC XI 28 12 43 50.5–1.9 6.96S 128.69E 0 3.6b,3.4
¶621625178
IDC Error ellipse: s-maj=45.0km s-min=20.0km az=78.0.
ISC XI 28 13 51 15.9–.32 6.79S–.03 125.46E–.04 540–3 4.8b 799 2-157
BJI XI 28 13 51 10.2 7.24S 125.86E 539 5.0b,4.9b **¶621480805**
IDC XI 28 13 51 15.9–.57 6.78S 125.46E 536–6 5.1,4.2b
DJA XI 28 13 51 15.8–.10 7S–1.0 125E–1.0 538–1 5.4b,5.3
GFZ XI 28 13 51 16.4–.19 7S–3.0 125E–3.0 539–3 5.3b,5.0b
NEIC XI 28 13 51 16.1–1.5 6.77S–.05 125.43E–.09 538–5 4.9b,5.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 30 14 40 16.0–3.6 5.82S 128.14E 373–58 3.5,2.4b
¶621627064
IDC Error ellipse: s-maj=88.9km s-min=18.2km az=84.0.
ISC XI 29 03 17 26.1–.33 6.90S–.04 127.28E–.05 400 4.2b 179 3-126
NEIC XI 29 03 17 25.6–1.3 6.85S–.07 127.21E–.05 388–6 4.3b **¶621481005**
IDC XI 29 03 17 26.2–.99 6.94S 127.27E 388–12 4.5,3.6b
GFZ XI 29 03 17 26.3–.21 7S–3.0 127E–3.0 388–3 4.7b,4.4b
DJA XI 29 03 17 26.5–.20 7S–2.0 127E–2.0 389–3 4.9,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC XI 30 05 36 39.2–2.0 6.57S 128.80E 0 3.5L,3.5
¶621627019
IDC Error ellipse: s-maj=37.9km s-min=24.7km az=74.0.
ISC XI 29 14 45 08.9–.84 7.84S–.08 127.77E–.07 150 3.6b 26 3-72
IDC XI 29 14 45 07.8–10 7.59S 127.86E 129–108 4.1L,4.0 **¶621626976**
NEIC XI 29 14 45 09.9–1.0 7.67S–.07 127.75E–.07 155–11 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 10 42 40.1–.91 6.43S–.06 130.7E–.20 90 10 6-72
IDC XI 30 10 42 44.3–2.7 6.29S 130.63E 107–34 4.4,4.1b **¶621627045**
ISC Event type se.
IDC Error ellipse: s-maj=77.1km s-min=21.7km az=88.0.
ISC XII 01 09 18 07.0–.44 7.51S–.05 128.32E–.06 100 4.2b 91 3-151
DJA XII 01 09 18 08.6–.20 8S–2.0 128E–2.0 139–13 5.0b,4.5 **¶621568628**
IDC XII 01 09 18 08.4–1.6 7.50S 128.25E 121–14 4.2,3.7b
NEIC XII 01 09 18 08.2–.99 7.43S–.08 128.28E–.04 116–8 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 16 13 13.1–.94 5.24S–.06 129.96E–.06 28 37 1-67
IDC XI 30 16 13 11.5–2.2 5.58S 128.94E 0 3.6L,3.6b **¶621627069**
DJA XI 30 16 13 13.0–.20 5S–3.0 130E–2.0 10 4.3b,3.9
ISC Event type se.
ISC XI 30 17 47 17.5–.80 6.49S–.06 130.15E–.06 146 28 2-68
NEIC XI 30 17 47 18.4–2.4 6.33S–.03 130.05E–.09 152–17 4.1b **¶621627077**
IDC XI 30 17 47 22.0–8.9 6.72S 130.08E 172–93 3.9,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=3.7km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=80.3km s-min=27.0km az=40.0.
ISC XII 01 00 48 12.1–1.1 7.6S–.10 127.8E–.10 100 3.7b 11 5-152
IDC XII 01 00 48 09.8–8.0 7.30S 128.06E 80–75 4.1L,3.8 **¶621629776**
ISC Event type se.
IDC Error ellipse: s-maj=99.2km s-min=21.5km az=53.0.
ISC XII 01 21 46 13.4–.80 6.29S–.06 130.24E–.07 150 3.6b 31 2-71
IDC XII 01 21 45 59.7–1.8 5.29S 130.80E 0 3.9L,3.8b **¶621629851**
DJA XII 01 21 46 14.4–.40 6S–3.0 130E–3.0 179–10 4.9b,4.2
ISC Event type se.
ISC XII 01 14 07 04.9–.63 7.26S–.08 124.7E–.10 550 3.9b 59 1-79
IDC XII 01 14 07 05.0–2.2 7.29S 124.56E 548–30 4.1,2.9b **¶621629819**
DJA XII 01 14 07 04.3–.70 7S–6.0 125E–5.0 539–10 4.5b,4.2
NEIC XII 01 14 07 05.3–.61 7.2S–.10 124.7E–.20 543–13 4.0b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 02 10 49 25.9–2.4 7.02S 129.21E 0 3.4b,3.1
¶621629885
IDC Error ellipse: s-maj=204.5km s-min=26.9km az=66.0.
IDC XII 01 20 05 50.1–8.3 4.83S 124.74E 257–92 3.3,2.6b
¶621629845
IDC Error ellipse: s-maj=119.4km s-min=25.2km az=50.0.
ISC XII 02 23 15 21.7–.76 7.26S–.07 125.2E–.10 500 4.1b 60 1-66
IDC XII 02 23 15 20.3–1.9 7.11S 125.41E 471–24 4.1,3.1b **¶621629914**
NEIC XII 02 23 15 21.3–2.1 7.18S–.08 125.2E–.20 485–16 4.2b,3.1b
DJA XII 02 23 15 21.5–.60 7S–4.0 125E–4.0 482–8 4.0,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 03 23 57 24.6–2.2 6.36S 129.80E 0 3.7L,3.4
¶621630625
IDC Error ellipse: s-maj=151.3km s-min=25.3km az=68.0.
ISC XII 03 05 40 15.4–.83 5.55S–.04 130.84E–.04 95–10 4.2b 58 1-72
IDC XII 03 05 40 05.9–1.3 5.40S 130.85E 0 4.5L,4.3 **¶621630564**
DJA XII 03 05 40 15.5–.30 5S–2.0 131E–2.0 112–7 4.5b,4.4
NEIC XII 03 05 40 16.2–1.2 5.62S–.06 130.8E–.20 90–12 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 05 17 21 05.3–8.1 7.42S 129.08E 55–81 3.6L,3.5b
¶621631268
IDC Error ellipse: s-maj=104.5km s-min=36.2km az=65.0.
ISC XII 04 07 25 19.8–.32 6.64S–.04 130.37E–.05 100 4.8b 337 2-151
IDC XII 04 07 25 13.4–2.4 6.61S 130.47E 44–23 5.0L,4.5 **¶621612099**
GFZ XII 04 07 25 21.0–.19 7S–3.0 130E–3.0 110 5.2b,5.0b
DJA XII 04 07 25 21.1–.10 7S–1.0 130E–1.0 116–2 5.7,5.5b
NEIC XII 04 07 25 21.7–1.3 6.64S–.05 130.36E–.08 113–7 4.8b,5.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 04 03 01 34.2–.42 5.16S–.05 129.83E–.06 200 4.1b 132 1-152
NEIC XII 04 03 01 35.7–1.4 5.05S–.08 129.72E–.09 211–6 4.3b **¶621612058**
DJA XII 04 03 01 35.9–.20 5S–2.0 130E–2.0 210–5 5.1b,5.0
IDC XII 04 03 01 36.0–2.5 5.21S 129.92E 223–24 4.4,3.7b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.3km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.1km s-min=8.6km az=78.0.
IDC XII 04 03 12 04.2–1.6 6.64S 128.55E 0 3.7L,3.6
¶621630632

IDC Error ellipse: s-maj=64.1km s-min=20.4km az=76.0.
IDC XII 07 22 33 54.5–1.9 5.69S 130.30E 0 4.0s,3.7L
¶621632711

IDC Error ellipse: s-maj=65.6km s-min=21.9km az=80.0.

ISC	**XII**	**06 03 02 55.5–.46**	**7.53S–.05**	**127.50E–.06**	**10**	**4.4b**	**78**	**3-127**
IDC	XII	06 03 02 54.7–.69	7.28S	127.93E	0	4.6L,4.3		**¶621613048**
GFZ	XII	06 03 02 55.0–.20	7S–2.0	128E–3.0	10	4.8b,4.6		
NEIC	XII	06 03 02 56.2–1.2	7.43S–.08	127.56E–.07	10–1	4.5b,4.6		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 16 26 27.1–.36**	**7.90S–.03**	**123.06E–.03**	**272–3**	**4.9b**	**933**	**0-154**
BJI	XII	07 16 26 19.0	8.55S	123.43E	265	5.0b,4.6b		**¶621618748**
DJA	XII	07 16 26 26.6–.10	8S–1.0	123E–1.0	273–1	5.7,5.6b		
IDC	XII	07 16 26 26.5–.57	7.86S	123.14E	268–5	5.0,4.3b		
NEIC	XII	07 16 26 27.0–1.9	7.83S–.07	123.09E–.06	268–4	5.2,4.9b		
GFZ	XII	07 16 26 27.6–.21	8S–3.0	123E–2.0	266–3	5.6b,5.3b		
GCMT	XII	07 16 26 27.8–.40	7.86S–.03	123.19E–.04	275–4	5.2W,5.3b		
GFZ	XII	07 16 26 27.5	7.90S	123.09E	261	5.2W,5.3b		

ISC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=6.0km az=67.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.0km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112071626A. Moment Tensor Solution. s24,c27; s64,c76; Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.16±.07 $M_{\theta\theta}$0.58±.05; $M_{\phi\phi}$-0.74±.05; $M_{r\theta}$-0.21±.06; $M_{\theta\phi}$-0.64±.04; $M_{\phi r}$-0.06±.06; Best double couple: NP1:ϕ_s338.00000° ,δ76.00000°,λ5.00000°. NP2:ϕ_s246.00000°,δ85.00000°,λ165.00000°. Principal axes: T 0.8830,Plg14.0000°,Azm201.0000°; N 0.1310,Plg75.0000°,Azm47.0000° ; P -1.0150,Plg6.0000°,Azm293.0000° $M_0$0.94900×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.15 $M_{\theta\theta}$4.61 $M_{\phi\phi}$-4.77 $M_{r\theta}$-0.98 $M_{\theta\phi}$-4.88 $M_{\phi r}$-1.66 NP1: ϕ_s337.14971°,δ78.24319°,λ-8.60434°. NP2:ϕ_s68.91565°,δ81.57750°,λ-168.11315°. Principal axes: T 6.7021,Plg2.3216°,Azm202.7450°; N 0.6338,Plg75.4668°,Azm103.7477° ; P -7.3359,Plg14.3385°,Azm293.3387° $M_0$7.04042×10^{16}

ISC	**XII**	**08 09 51 05.3–.83**	**7.19S–.07**	**129.81E–.07**	**150**	**3.6b**	**35**	**2-73**
IDC	XII	08 09 51 03.3–7.3	7.14S	129.82E	107–78	4.4L,4.1		**¶621634691**
DJA	XII	08 09 51 04.6–.30	7S–3.0	130E–3.0	171–10	4.4b,4.3		

ISC Event type se.

IDC	**XII**	**07 22 03 22.3–11**	**5.50S**	**128.14E**	**400–151**	**3.9,2.8b**		
								¶621632704

IDC Error ellipse: s-maj=71.4km s-min=58.6km az=84.0.

ISC	**XII**	**08 19 00 53.2–.27**	**7.79S–.03**	**123.44E–.03**	**255–2**	**4.8b**	**759**	**1-165**
BJI	XII	08 19 00 44.3	8.51S	123.81E	246	4.7b,4.6b		**¶621622144**
IDC	XII	08 19 00 52.6–.38	7.74S	123.46E	247–3	4.9,4.2b		
NEIC	XII	08 19 00 53.5–2.4	7.80S–.06	123.39E–.07	252–4	4.9b,4.2b		
NEIC	XII	08 19 00 53.6	7.80S	123.39E	251	4.9b,4.2b		
DJA	XII	08 19 00 53.7–.10	8S–1.0	123E–1.0	250–1	5.6,5.4b		
GFZ	XII	08 19 00 53.4	7.81S	123.40E	265	5.0W,5.4b		
GFZ	XII	08 19 00 53.4–.13	8S–2.0	123E–2.0	248	5.3b,5.2		
NEIC	XII	08 19 00 54	7.80S	123.59E	260	5.1,5.2		
GCMT	XII	08 19 00 54.7–.20	7.78S–.02	123.50E–.02	253–2	5.1W,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.98 $M_{\theta\theta}$-2.49 $M_{\phi\phi}$3.47 $M_{r\theta}$1.79 $M_{\theta\phi}$-0.48 $M_{\phi r}$1.27 NP1: ϕ_s315.22114°,δ54.23028°,λ-164.01328°. NP2:ϕ_s215.71436°,δ77.08743°,λ-36.84798°. Principal axes: T 3.8030,Plg14.7920°,Azm269.8942°; N 0.0447,Plg51.2600°,Azm19.1103° ; P -3.8477,Plg34.8435°,Azm169.3015° $M_0$3.82555×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ8 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.16 $M_{\theta\theta}$-2.89 $M_{\phi\phi}$4.05 $M_{r\theta}$2.60 $M_{\theta\phi}$-0.65 $M_{\phi r}$2.88 NP1:ϕ_s314.30000°,δ41.84000° ,λ-167.40000°. NP2:ϕ_s214.84000°,δ81.63000°,λ-48.85000°. Principal axes: T 5.3566,Plg25.0000°,Azm274.0000°; N -0.0353,Plg41.0000°,Azm28.0000° ; P -5.3212,Plg39.0000°,Azm162.0000° $M_0$5.34000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112081900A. Moment Tensor Solution. s56,c68; s92,c147; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.42±.16 $M_{\theta\theta}$-3.69±.15; $M_{\phi\phi}$5.11±.15; $M_{r\theta}$2.52±.14; $M_{\theta\phi}$-0.40±.14; $M_{\phi r}$3.61±.16; Best double couple: NP1:ϕ_s314.00000°,δ43.00000° ,λ-168.00000°. NP2:ϕ_s216.00000°,δ82.00000°,λ-48.00000°. Principal axes: T 6.7560,Plg25.0000°,Azm274.0000°; N -0.8920,Plg42.0000°,Azm29.0000° ; P -5.8640,Plg38.0000°,Azm163.0000° $M_0$6.31000×10^{16}

ISC	**XII**	**08 08 52 53.8–1.4**	**7.86S–.10**	**127.7E–.10**	**150**		**10**	**5-72**
IDC	XII	08 08 52 55.7–7.4	7.75S	127.49E	183–79	4.1,3.4b		**¶621634687**

ISC Event type se.
IDC Error ellipse: s-maj=83.3km s-min=22.5km az=40.0.

IDC	**XII**	**08 14 36 38.3–14**	**6.31S**	**129.46E**	**78–152**	**3.4L,3.3**		
								¶621634715

IDC Error ellipse: s-maj=138.4km s-min=56.3km az=46.0.
IDC XII 08 14 41 49.0–5.5 7.66S 129.22E 348–54 3.6,3.1b
¶621634716

IDC Error ellipse: s-maj=64.7km s-min=24.7km az=69.0.

ISC	**XII**	**08 19 11 52.8–.36**	**6.15S–.04**	**130.19E–.04**	**200**	**4.3b**	**205**	**2-94**
IDC	XII	08 19 11 50.2–1.7	6.14S	130.20E	166–16	4.5,4.0b		**¶621622158**
DJA	XII	08 19 11 51.9–.10	6S–2.0	130E–1.0	188–2	5.2b,5.0		
NEIC	XII	08 19 11 52.0–1.5	6.02S–.07	130.17E–.09	178–7	4.4b,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**09 06 10 24.3–3.3**	**7.64S**	**123.07E**	**207–23**	**3.9,3.7b**		
								¶621636557

IDC Error ellipse: s-maj=102.0km s-min=30.9km az=65.0.

IDC	**XII**	**08 19 28 22.4–8.1**	**7.21S**	**128.97E**	**103–85**	**3.4,3.3L**		
								¶621634744

IDC Error ellipse: s-maj=66.6km s-min=23.9km az=37.0.

ISC	**XII**	**08 16 14 46.6–.43**	**7.56S–.05**	**128.90E–.04**	**131**	**4.1b**	**110**	**2-151**
NEIC	XII	08 16 14 46.9–1.3	7.32S–.09	128.87E–.08	136–7	4.3b		**¶621622163**
DJA	XII	08 16 14 47.8–.20	8S–2.0	129E–2.0	63–27	4.6b,4.3		
IDC	XII	08 16 14 49.2–2.6	7.55S	128.52E	156–22	4.2,3.6b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.5km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.8km s-min=12.3km az=67.0.

ISC	**XII**	**10 19 45 04.6–.57**	**6.47S–.06**	**127.47E–.07**	**408**	**4.1b**	**38**	**5-115**
IDC	XII	10 19 45 03.5–3.1	6.25S	127.72E	387–49	3.9,3.1b		**¶621644148**
NEIC	XII	10 19 45 05.2–1.6	6.39S–.10	127.42E–.09	404–11	4.3b,3.1b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**09 13 45 38.0–.75**	**6.51S–.04**	**130.19E–.05**	**174–8**	**3.7b**	**44**	**2-83**
DJA	XII	09 13 45 39.0–.50	6S–2.0	130E–3.0	176–6	3.8,3.8		**¶621636575**
IDC	XII	09 13 45 39.5–4.8	6.56S	129.94E	171–48	4.4s,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=18.9km az=48.0.

ISC	**XII**	**10 05 54 20.9–.42**	**6.19S–.04**	**128.03E–.04**	**350**	**4.0b**	**134**	**2-95**
GFZ	XII	10 05 54 21.7–.22	6S–3.0	128E–3.0	368–4	4.8b,4.5		**¶621626233**
NEIC	XII	10 05 54 22.1–.88	6.12S–.07	128.03E–.09	365–9	4.1b,4.5		
DJA	XII	10 05 54 22.6–.30	6S–2.0	128E–2.0	362–4	4.6b,4.4b		
IDC	XII	10 05 54 24.1–1.6	6.36S	127.89E	393–19	4.5,3.6b		

ISC Event type se.
GFZ Error ellipse: s-maj=6.5km s-min=6.0km az=156.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.7km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.9km s-min=9.7km az=73.0.

ISC	**XII**	**11 06 42 49.0–.82**	**5.44S–.04**	**130.58E–.05**	**110–9**	**4.1b**	**43**	**1-85**
IDC	XII	11 06 42 39.5–1.6	5.19S	130.46E	0	4.2L,4.1		**¶621644170**
DJA	XII	11 06 42 49.2–.40	5S–3.0	131E–2.0	118–7	4.0,4.0		
NEIC	XII	11 06 42 49.6–.62	5.45S–.05	130.8E–.10	111–11	4.1b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**11 18 03 31.2–1.5**	**6.88S**	**128.79E**	**0**	**3.6b,3.4**		
								¶621644201

IDC Error ellipse: s-maj=45.8km s-min=16.4km az=78.0.

ISC	**XII**	**11 18 27 19.7–.60**	**6.71S–.06**	**127.53E–.06**	**408**	**4.2b**	**38**	**4-91**
NEIC	XII	11 18 27 20.5–2.1	6.71S–.05	127.48E–.07	410–9	4.2b		**¶621644202**
IDC	XII	11 18 27 23.3–3.8	7.06S	127.61E	392–71	4.1,3.2b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=4.5km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=80.2km s-min=46.1km az=100.0.

ISC	**XII**	**11 18 50 17.7–.56**	**7.43S–.05**	**128.75E–.04**	**100**	**3.9b**	**59**	**3-71**
DJA	XII	11 18 50 16.2–.80	7S–2.0	129E–2.0	24–7	4.4b,4.1		**¶621644203**
NEIC	XII	11 18 50 17.4–1.4	7.34S–.07	128.80E–.06	93–8	4.2b,4.1		
IDC	XII	11 18 50 21.3–6.1	7.70S	128.75E	115–66	3.8,3.4b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.4km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.7km s-min=20.0km az=39.0.

IDC	**XII**	**12 00 12 12.8–4.7**	**4.52S**	**125.80E**	**461–61**	**3.9,2.8b**		
								¶621650458

IDC Error ellipse: s-maj=83.4km s-min=24.8km az=52.0.

ISC	**XII**	**11 15 29 47.0–.41**	**7.10S–.02**	**128.74E–.03**	**19–1**	**5.5b,5.0s**	**1232**	**3-157**
IDC	XII	11 15 29 43.0–.35	7.08S	128.92E	0	5.1b,5.1		**¶621627517**
MOS	XII	11 15 29 43.5–1.0	7.11S	128.77E	12	5.7b,5.0s		
NEIC	XII	11 15 29 45.8	7.06S	128.70E	10	5.7b,5.0s		
NEIC	XII	11 15 29 45.8	7.06S	128.70E	10	5.7b,5.0s		
NEIC	XII	11 15 29 46.4–2.2	7.04S–.04	128.69E–.05	13–1	5.6b,5.4		
NEIC	XII	11 15 29 46	6.86S	128.49E	22	5.4,5.4		
PTWC	XII	11 15 29 47	7.10S	128.70E	10	5.8,5.4		
DJA	XII	11 15 29 48.2–.40	7S–1.0	129E–1.0	24–3	6.0b,5.9		
GFZ	XII	11 15 29 48.2–.10	7S–2.0	129E–1.0	24	6.0b,5.6		
GFZ	XII	11 15 29 48.2	7.07S	128.74E	19	5.6W,5.6		
GCMT	XII	11 15 29 49.2–.10	7.01S–.01	128.70E–.01	17–0	5.7W,5.6		

ISC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$1.82 $M_{r\theta}$-0.48 $M_{\theta\phi}$0.55 $M_{\phi r}$0.09 NP1:ϕ_s43.85000°,δ56.98000°,λ-41.07000°. NP2:ϕ_s159.25000°,δ56.57000° ,λ-139.24000°. Principal axes: T 1.9380,Plg0.0000°,Azm102.0000°; N -0.4751,Plg39.0000° ,Azm192.0000°; P -1.4629,Plg51.0000°,Azm11.0000° $M_0$1.75000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.21 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$1.24 $M_{r\theta}$-0.85 $M_{\theta\phi}$-0.05 $M_{\phi r}$-0.15 NP1:ϕ_s139.13000°,δ62.55000° ,λ-160.61000°. NP2:ϕ_s39.91000°,δ72.86000°,λ-28.84000°. Principal axes: T 1.2582,Plg7.0000°,Azm91.0000°; N 0.3117,Plg57.0000°,Azm192.0000° ; P -1.5699,Plg32.0000°,Azm357.0000° $M_0$1.44000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.22 $M_{\theta\theta}$-2.07 $M_{\phi\phi}$3.29 $M_{r\theta}$-0.93 $M_{\theta\phi}$0.48 $M_{\phi r}$1.04 NP1: ϕ_s146.45788°,δ74.97834°,λ-145.44656°. NP2:ϕ_s46.33781°,δ56.78425°,λ-18.04726°. Principal axes: T 3.5375,Plg11.7755°,Azm272.9627°; N -0.7093,Plg52.6981°,Azm167.0823° ; P -2.8282,Plg34.7934°,Azm11.2914° $M_0$3.24156×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112111529A. Moment Tensor Solution. s131,c229; s149,c278;Duration: 1ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.69±.05 $M_{\theta\theta}$-3.57±.04; $M_{\phi\phi}$4.26±.05; $M_{r\theta}$-1.52±.13; $M_{\theta\phi}$0.94±.04; $M_{\phi r}$0.65±.12; Best double couple: NP1:ϕ_s49.00000° ,δ70.00000°,λ-13.00000°. NP2:ϕ_s144.00000°,δ78.00000°,λ-159.00000°. Principal axes: T 4.4160,Plg6.0000°,Azm276.0000°; N -0.0430,Plg66.0000°,Azm173.0000° ; P -4.3680,Plg23.0000°,Azm8.0000° $M_0$4.39200×10^{17}

ISC	**XII**	**11 21 44 10.2–.71**	**7.30S–.06**	**129.03E–.07**	**35**	**3.9b**	**30**	**2-78**
NEIC	XII	11 21 44 07.3–1.5	7.17S–.04	128.90E–.08	10–1	4.0b		**¶621644219**
IDC	XII	11 21 44 07.8–.94	6.87S	128.78E	0	3.9b,3.8		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.1km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=12.2km az=88.0.

IDC	**XII**	**11 19 08 26.6–1.4**	**6.69S**	**128.70E**	**0**	**3.5b,3.4**		
								¶621644204

IDC Error ellipse: s-maj=24.8km s-min=16.2km az=84.0.

ISC	**XII**	**12 04 04 20.2–.61**	**6.98S–.05**	**129.63E–.06**	**150**	**3.7b**	**37**	**2-93**
IDC	XII	12 04 04 19.1–8.3	6.79S	129.76E	134–88	4.1,3.7b		**¶621650466**
NEIC	XII	12 04 04 23.0–3.9	6.78S–.07	129.7E–.10	173–10	4.0b,3.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**12 02 05 27.4–1.5**	**6.76S**	**128.83E**	**0**	**3.5b,3.4L**		
								¶621650463

IDC Error ellipse: s-maj=46.1km s-min=16.3km az=79.0.

ISC	**XII**	**11 15 38 55.5–.51**	**7.34S–.05**	**128.97E–.05**	**35**	**4.3b**	**50**	**2-83**
IDC	XII	11 15 38 53.4–.85	6.92S	128.75E	0	4.0L,4.0		**¶621644199**
NEIC	XII	11 15 38 55.8–1.4	7.39S–.04	128.90E–.06	40–9	4.6b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XII**	**11 22 08 36.7–1.3**	**6.91S**	**129.03E**	**0**	**3.7b,3.6**		
								¶621644222

IDC Error ellipse: s-maj=109.5km s-min=17.5km az=67.0.

ISC	**XII**	**12 16 54 27.8–1.0**	**7.17S–.08**	**129.17E–.07**	**156**		**17**	**2-68**
IDC	XII	12 16 54 13.8–2.1	6.17S	129.51E	0	3.7L,3.5		**¶621650522**
DJA	XII	12 16 54 29.2–.80	7S–5.0	129E–5.0	173–26	4.3b,4.0		

ISC Event type se.

IDC	**XII**	**11 22 43 23.0–1.5**	**6.60S**	**129.66E**	**0**	**3.5b,3.3L**		
								¶621644226

IDC Error ellipse: s-maj=83.4km s-min=18.7km az=68.0.

ISC	**XII**	**12 02 34 55.7–1.4**	**7.5S–.10**	**128.8E–.10**	**35**		**8**	**6-72**
IDC	XII	12 02 34 52.8–1.5	7.00S	128.61E	0	3.6L,3.6		**¶621650464**

ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=16.6km az=79.0.

ISC	**XII**	**12 02 37 29.2–.57**	**6.89S–.07**	**125.22E–.08**	**535–7**	**3.9b**	**118**	**1-81**
GFZ	XII	12 02 37 28.9–.25	7S–3.0	125E–3.0	540–5	4.7b,4.3		**¶621627628**
IDC	XII	12 02 37 29.2–1.1	6.90S	125.15E	532–16	4.3,3.3b		
NEIC	XII	12 02 37 29.5–1.9	6.83S–.09	125.2E–.10	531–8	4.3b,3.3b		
DJA	XII	12 02 37 30.8–.30	7S–3.0	125E–3.0	520–4	4.4b,4.3b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 13 13 42 14.0–1.8 6.83S 128.91E 0 3.5b,3.3L ¶621650573
IDC Error ellipse: s-maj=105.0km s-min=20.0km az=66.0.
IDC XII 12 11 41 51.6–1.7 6.69S 128.80E 0 3.7b,3.5 ¶621650501
IDC Error ellipse: s-maj=151.8km s-min=22.8km az=66.0.
IDC XII 13 03 16 05.0–2.4 6.51S 129.54E 0 3.4,3.3L ¶621650548
IDC Error ellipse: s-maj=179.6km s-min=26.3km az=67.0.
IDC XII 12 14 03 45.1–1.9 6.97S 128.60E 0 3.5b,3.4L ¶621650512
IDC Error ellipse: s-maj=130.5km s-min=21.4km az=65.0.
ISC XII 13 18 45 33.3–.65 7.59S–.06 128.80E–.06 100 4.0b 49 3-72
DJA XII 13 18 45 28.4–.20 7S–3.0 129E–2.0 10 5.0b,4.5b **¶621650595**
NEIC XII 13 18 45 34.2–1.3 7.64S–.10 128.86E–.04 111–9 4.1b,4.5b
IDC XII 13 18 45 37.8–4.1 7.80S 128.66E 135–38 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=4.7km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.6km s-min=14.4km az=57.0.
ISC XII 13 09 00 48.4–.62 6.81S–.05 129.86E–.05 150 4.4b 65 2-97
DJA XII 13 09 00 48.4–.40 7S–2.0 130E–3.0 204–8 4.5b,4.5b **¶621650567**
NEIC XII 13 09 00 48.8–2.7 6.68S–.06 129.85E–.05 152–10 4.2b,4.5b
IDC XII 13 09 00 50.8–8.0 6.91S 129.73E 171–83 4.4,4.0s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.4km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.3km s-min=24.9km az=39.0.
IDC XII 13 23 29 26.3–1.9 6.47S 128.81E 0 3.3b,3.2L ¶621650609
IDC Error ellipse: s-maj=113.4km s-min=22.0km az=66.0.
ISC XII 13 20 35 06.1–1.5 7.7S–.10 128.6E–.10 150 9 5-68
IDC XII 13 20 35 00.6–6.6 7.18S 128.66E 89–65 3.6,3.5L **¶621650600**
ISC Event type se.
IDC Error ellipse: s-maj=54.8km s-min=24.2km az=33.0.
ISC XII 14 17 09 57.4–1.2 7.5S–.40 129E–1.0 150 3.5b 8 13-72
IDC XII 14 17 09 45.5–1.1 7.07S 127.41E 0 3.7b,3.7 **¶621652941**
ISC Event type se.
IDC Error ellipse: s-maj=129.8km s-min=20.6km az=64.0.
IDC XII 14 04 22 56.0–7.8 7.84S 128.56E 256–86 3.4,3.0b ¶621652870
IDC Error ellipse: s-maj=94.0km s-min=25.2km az=42.0.
IDC XII 14 09 22 54.6–11 7.25S 128.67E 104–128 3.5,3.4L ¶621652908
IDC Error ellipse: s-maj=78.1km s-min=59.2km az=24.0.
ISC XII 15 02 57 25.5–1.2 7.63S–.09 129.0E–.20 131 3.7b 10 11-78
IDC XII 15 02 57 25.6–11 7.65S 129.04E 133–121 3.7,3.5L **¶621654073**
ISC Event type se.
IDC Error ellipse: s-maj=74.5km s-min=44.8km az=28.0.
ISC XII 14 18 37 56.4–.55 7.27S–.05 129.63E–.05 150 4.0b 48 2-82
IDC XII 14 18 37 45.0–1.5 6.46S 129.78E 0 4.2L,4.0 **¶621652948**
NEIC XII 14 18 37 55.9–2.6 7.08S–.07 129.55E–.07 138–9 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 07 21 26.7–.52 6.96S–.06 129.74E–.05 100 4.2b 85 2-151
IDC XII 15 07 21 26.7–2.9 6.91S 129.84E 103–25 4.4,3.9b **¶621654086**
DJA XII 15 07 21 28.2–.30 7S–3.0 130E–3.0 169–8 5.1b,5.1b
NEIC XII 15 07 21 29.1–2.0 6.88S–.07 129.76E–.09 121–7 4.4b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 15 18 49 45.0–1.8 6.92S 128.75E 0 3.6b,3.6 ¶636151012
IDC Error ellipse: s-maj=25.8km s-min=24.7km az=83.0.
IDC XII 15 18 51 31.0–1.4 6.82S 128.81E 0 3.8b,3.8 ¶636151010
IDC Error ellipse: s-maj=26.3km s-min=21.2km az=101.0.
ISC XII 15 19 43 41.9–1.4 7.2S–.10 128.9E–.10 35 9 6-72
IDC XII 15 19 43 38.7–1.3 6.76S 128.64E 0 3.7L,3.6b **¶621654136**
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=15.0km az=88.0.
ISC XII 15 15 04 53.6–1.3 7.54S–.10 128.9E–.10 100 3.7b 11 6-72
IDC XII 15 15 04 51.4–6.3 7.40S 128.88E 72–65 3.8,3.7L **¶621654121**
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=21.5km az=34.0.
IDC XII 16 00 24 39.0–1.5 6.84S 128.82E 0 3.5b,3.4 ¶621655738
IDC Error ellipse: s-maj=46.2km s-min=16.4km az=80.0.
ISC XII 15 17 50 56.8–.86 5.44S–.04 131.17E–.04 68 35 2-68
IDC XII 15 17 50 50.8–1.8 5.21S 131.37E 0 3.7b,3.5L **¶621654131**
DJA XII 15 17 50 57.3–.40 5S–2.0 131E–2.0 115–7 3.6,3.6
ISC Event type se.
ISC XII 16 04 26 06.6–.27 7.07S–.02 128.72E–.03 16–1 5.6b,5.2s 1461 3-167
BJI XII 16 04 26 03.0 7.31S 128.98E 23 5.6b,5.4b **¶621630956**
MOS XII 16 04 26 04.4–.92 6.99S 128.68E 10 5.9b,5.1s
IDC XII 16 04 26 04.2–.31 7.00S 128.74E 0 5.4,5.3b
DJA XII 16 04 26 06.6–.10 7S–1.0 129E–1.0 11–1 6.1b,6.0
GFZ XII 16 04 26 06.4 7.10S 128.76E 11 5.6W,6.0
NEIC XII 16 04 26 07.0–1.7 7.04S–.05 128.69E–.05 10–1 5.7b,5.6
GFZ XII 16 04 26 06.3–.15 7S–2.0 129E–2.0 10 6.0,6.0b
NEIC XII 16 04 26 07.5 7.05S 128.67E 12 5.6,6.0b
NEIC XII 16 04 26 07.1 7.05S 128.67E 10 5.6,6.0b
NEIC XII 16 04 26 07.1 7.05S 128.67E 10 5.6,6.0b
IPGP XII 16 04 26 07.0 7.08S 128.68E 6 5.8W,6.0b
GCMT XII 16 04 26 08.6–.10 6.99S–.01 128.64E–.01 15–0 5.7W,6.0b
PTWC XII 16 04 26 09 7.10S 128.80E 143 5.7,6.0b
ISC Event type se.
MOS Error ellipse: s-maj=8.1km s-min=4.4km az=117.7.
IDC Error ellipse: s-maj=10.7km s-min=7.6km az=84.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29 $M_{\theta\theta}$-1.83 $M_{\phi\phi}$2.12 $M_{r\theta}$-1.03 $M_{\theta\phi}$0.49 $M_{\phi r}$1.62 NP1: ϕ_s144.91552°,δ86.79257°,λ-136.10445°. NP2:ϕ_s51.83400°,δ46.19074°,λ-4.44673°. Principal axes: T 2.9331,Plg26.7397°,Azm269.7048°; N -0.2733,Plg46.0112°,Azm148.2436° ; P -2.6598,Plg31.9423°,Azm18.0122° $M_0$2.80642×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.4km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.74 $M_{\theta\phi}$-1.08 $M_{\phi\phi}$2.82 $M_{r\theta}$-2.16 $M_{\theta\phi}$-0.59 $M_{\phi r}$0.78 NP1:ϕ_s23.35000°,δ43.66000°,λ-30.96000°. NP2:ϕ_s136.81000°,δ69.20000° ,λ-129.30000°. Principal axes: T 3.1972,Plg15.0000°,Azm254.0000°; N 0.4014,Plg36.0000° ,Azm153.0000°; P -3.5986,Plg50.0000°,Azm3.0000° $M_0$3.42000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$2.28 $M_{r\theta}$-0.67 $M_{\theta\phi}$-0.06 $M_{\phi r}$2.01 NP1:ϕ_s36.53000°,δ29.12000° ,λ-32.61000°. NP2:ϕ_s155.73000°,δ74.79000°,λ-115.14000°. Principal axes: T 3.2506,Plg26.0000°,Azm265.0000°; N -0.9467,Plg24.0000°,Azm163.0000° ; P -2.3039,Plg53.0000°,Azm35.0000° $M_0$2.90000×10^{17}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s241.00000°,δ89.00000°,λ40.00000°. NP2:ϕ_s150.00000° ,δ50.00000°,λ178.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112160426A. Moment Tensor Solution. s139,c259; s152,c292;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.59±.03 $M_{\theta\theta}$-3.13±.04; $M_{\phi\phi}$3.72±.04; $M_{r\theta}$-0.88±.10; $M_{\theta\phi}$0.76±.03; $M_{\phi r}$0.72±.09; Best double couple: NP1:ϕ_s50.00000° ,δ71.00000°,λ-7.00000°. NP2:ϕ_s143.00000°,δ83.00000°,λ-161.00000°. Principal axes: T 3.8910,Plg8.0000°,Azm275.0000°; N -0.3640,Plg70.0000°,Azm162.0000° ; P -3.5280,Plg18.0000°,Azm8.0000° $M_0$3.71000×10^{17}
ISC XII 16 04 43 33.2–.44 6.96S–.04 128.67E–.04 10 4.3b 140 3-152
IDC XII 16 04 43 31.4–.57 6.90S 128.67E 0 4.3L,4.2b **¶621630965**
NEIC XII 16 04 43 33.5–1.9 7.04S–.07 128.67E–.02 10–1 4.5b,4.2b
DJA XII 16 04 43 35.4–.80 7S–2.0 129E–1.0 18–7 6.2b,5.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 02 31 42.2–.66 7.54S–.08 128.0E–.10 142 4.2b 25 4-82
IDC XII 16 02 31 41.0–11 7.42S 128.06E 122–110 3.8L,3.7 **¶621655748**
NEIC XII 16 02 31 41.1–1.9 7.55S–.09 127.94E–.06 125–8 4.3b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 05 07 06.0–.56 7.07S–.05 128.76E–.06 10 4.0b 76 3-77
IDC XII 16 05 07 05.7–.85 6.83S 128.73E 0 4.0,3.9L **¶621655756**
NEIC XII 16 05 07 06.3–1.2 7.05S–.05 128.77E–.05 10–1 4.0b,3.9L
DJA XII 16 05 07 08.4–.20 7S–2.0 129E–2.0 10 6.2b,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 02 45 42.1–.88 5.23S–.04 131.19E–.04 61–10 4.3b 96 1-151
IDC XII 16 02 45 33.8–.78 4.97S 131.52E 0 4.6L,4.5 **¶621630954**
NEIC XII 16 02 45 41.2–1.6 5.22S–.05 131.2E–.10 51–5 4.4b,4.5
DJA XII 16 02 45 42.8–.30 5S–2.0 131E–2.0 69–13 6.3b,6.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 11 03 31.1–.29 6.24S–.03 127.97E–.03 394–2 5.1b 967 3-167
BJI XII 16 11 03 28.8 6.23S 128.22E 395 5.0b,4.7b **¶621631007**
NEIC XII 16 11 03 30.8 6.20S 127.99E 379 5.0b,4.7b
MOS XII 16 11 03 30.3–.87 6.12S 128.04E 393 5.0b,4.7b
NEIC XII 16 11 03 30.8–1.9 6.20S–.07 127.99E–.07 379–4 5.2b,4.7b
GCMT XII 16 11 03 31.2–.30 6.13S–.03 127.81E–.03 391–1 5.3W,4.7b
DJA XII 16 11 03 31.5–.10 6S–2.0 128E–1.0 385–1 6.0,5.7b
GFZ XII 16 11 03 31.3–.21 6S–2.0 128E–2.0 386–3 5.7b,5.2b
NEIC XII 16 11 03 31.3 6.20S 127.99E 380 5.2,5.2b
IDC XII 16 11 03 31.1–.59 6.24S 127.99E 392–5 5.2,4.5b
ISC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=4.9km az=113.8.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=9.8km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. ID: B202112161103A. Moment Tensor Solution. s84,c121;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.33±.03 $M_{\theta\theta}$0.46±.04; $M_{\phi\phi}$-0.13±.04; $M_{r\theta}$-0.19±.04; $M_{\theta\phi}$0.79±.04; $M_{\phi r}$0.53±.04; Best double couple: NP1:ϕ_s94.00000°,δ60.00000°,λ-23.00000°. NP2:ϕ_s196.00000° ,δ71.00000°,λ-148.00000°. Principal axes: T 1.0270,Plg7.0000°,Azm323.0000° ; N 0.0550,Plg53.0000°,Azm224.0000°; P -1.0820,Plg36.0000°,Azm58.0000° $M_0$1.05500×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.07 $M_{\theta\theta}$4.25 $M_{\phi\phi}$-2.17 $M_{r\theta}$-3.36 $M_{\theta\phi}$5.88 $M_{\phi r}$3.26 NP1:ϕ_s199.97000°,δ59.96000° ,λ-159.85000°. NP2:ϕ_s99.56000°,δ72.65000°,λ-31.63000°. Principal axes: T 7.9091,Plg8.0000°,Azm152.0000°; N 0.8479,Plg54.0000°,Azm254.0000° ; P -8.7570,Plg34.0000°,Azm56.0000° $M_0$8.37000×10^{16}
IDC Error ellipse: s-maj=8.8km s-min=5.4km az=70.0.
IDC XII 16 05 16 08.5–1.7 6.18S 130.26E 0 3.6b,3.6 ¶621655758
IDC Error ellipse: s-maj=121.8km s-min=19.3km az=70.0.
IDC XII 16 05 33 05.9–2.0 6.40S 129.22E 0 3.4b,3.4 ¶621655760
IDC Error ellipse: s-maj=103.0km s-min=22.6km az=67.0.
IDC XII 16 06 12 35.0–1.5 6.84S 128.84E 0 3.5b,3.4L ¶621655763
IDC Error ellipse: s-maj=47.2km s-min=16.6km az=79.0.
ISC XII 17 15 11 39.7–.81 5.95S–.08 128.0E–.10 400 3.1b 12 6-71
IDC XII 17 15 11 40.6–1.5 5.98S 128.08E 408–18 3.9,2.8b **¶621656936**
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=12.2km az=75.0.
IDC XII 16 14 45 06.1–1.9 6.73S 128.67E 0 3.5b,3.5 ¶621655789
IDC Error ellipse: s-maj=48.6km s-min=19.8km az=79.0.
ISC XII 16 15 39 46.3–1.5 6.8S–.10 129.0E–.10 10 7 6-72
IDC XII 16 15 39 46.6–1.5 6.53S 128.73E 0 3.6,3.5L **¶621655792**
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=16.5km az=86.0.
ISC XII 16 16 44 15.5–1.1 7.29S–.08 129.0E–.10 35 3.7b 11 6-72
IDC XII 16 16 44 12.6–1.1 6.85S 128.71E 0 3.6b,3.5 **¶621655796**
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=13.9km az=84.0.
IDC XII 17 01 34 21.8–1.3 6.86S 128.92E 0 3.8b,3.7 ¶621656903
IDC Error ellipse: s-maj=45.6km s-min=15.6km az=78.0.
ISC XII 16 22 19 16.7–1.1 6.64S–.09 128.2E–.10 300 3.6b 11 6-71
IDC XII 16 22 19 18.2–6.2 6.58S 127.96E 309–70 4.1,3.2b **¶621655813**
ISC Event type se.
IDC Error ellipse: s-maj=77.5km s-min=20.1km az=50.0.
IDC XII 17 18 57 06.4–14 6.41S 130.47E 202–153 3.2,2.8b ¶621656943
IDC Error ellipse: s-maj=113.5km s-min=54.9km az=46.0.
IDC XII 18 07 49 46.6–2.3 6.64S 130.08E 0 3.5b,3.3L ¶621656982
IDC Error ellipse: s-maj=144.5km s-min=22.0km az=69.0.
IDC XII 18 06 32 21.0–2.1 6.04S 128.59E 0 3.6b,3.4 ¶621656978
IDC Error ellipse: s-maj=71.7km s-min=25.4km az=75.0.
ISC XII 18 06 41 05.8–.39 7.53S–.04 128.46E–.04 171–3 4.5b 264 3-127
BJI XII 18 06 40 58.7 7.97S 128.95E 158 5.0b,4.6b **¶621633377**
IDC XII 18 06 41 04.3–1.5 7.46S 128.42E 155–14 4.6,4.0b
DJA XII 18 06 41 06.0–.10 8S–2.0 128E–1.0 144–3 5.3b,5.1
GFZ XII 18 06 41 06.7–.19 8S–3.0 129E–3.0 167 5.1,5.0b
NEIC XII 18 06 41 06.2–1.3 7.45S–.07 128.44E–.05 167–8 4.8b,5.0b
GCMT XII 18 06 41 07.1–.20 7.45S–.01 128.51E–.02 160–2 5.0W,5.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112180641A. Moment Tensor Solution. s33,c38; s110,c158; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.26±.11 $M_{\theta\theta}$-1.29±.13; $M_{\phi\phi}$1.54±.13; $M_{r\theta}$-3.04±.08; $M_{\theta\phi}$-0.34±.12; $M_{\phi r}$2.06±.09; Best double couple: NP1:ϕ_s33.00000°,δ22.00000° ,λ-4.00000°. NP2:ϕ_s127.00000°,δ89.00000°,λ-112.00000°. Principal axes: T 3.8190,Plg40.0000°,Azm237.0000°; N 0.2570,Plg22.0000°,Azm127.0000° ; P -4.0800,Plg42.0000°,Azm16.0000° $M_0$3.95000×10^{16}
ISC XII 18 13 30 59.6–.40 7.55S–.05 128.70E–.04 151 4.2b 106 3-151
IDC XII 18 13 30 58.7–1.8 7.50S 128.69E 120–16 4.1,3.6b **¶621657004**
NEIC XII 18 13 30 58.6–2.3 7.49S–.08 128.71E–.07 132–7 4.5b,3.6b
DJA XII 18 13 31 00.5–.30 8S–3.0 129E–2.0 139–11 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 03 06 02.5–.53 6.38S–.05 129.98E–.09 146 4.5b 31 2-84
IDC XII 22 03 06 00.6–4.7 6.31S 130.10E 105–53 3.8,3.4b **¶621686740**
NEIC XII 22 03 06 01.6–1.1 6.32S–.05 129.85E–.09 119–8 4.7b,3.4b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 18 12 01 46.9–2.0 7.04S 128.85E 0 3.5L,3.4b ¶621656999
IDC Error ellipse: s-maj=104.7km s-min=25.1km az=66.0.
IDC XII 21 15 22 05.4–11 7.72S 129.03E 115–129 3.6b,3.4 ¶621685693
IDC Error ellipse: s-maj=75.2km s-min=46.9km az=20.0.
ISC XII 19 11 16 44.7–.29 6.90S–.03 129.61E–.04 200 4.5b 313 2-151
BJI XII 19 11 16 37.2 7.32S 130.13E 180 5.2b,4.6b **¶621633684**
IDC XII 19 11 16 41.4–1.5 6.79S 129.71E 155–13 4.7,4.2b
GFZ XII 19 11 16 42.8–.21 7S–2.0 130E–2.0 187–2 5.2b,4.9
NEIC XII 19 11 16 43.2–1.4 6.79S–.06 129.68E–.08 175–8 4.6b,4.9
DJA XII 19 11 16 44.3–.20 7S–2.0 130E–2.0 180–6 5.2b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 15 05 56.4–.65 6.73S–.05 129.71E–.05 165 3.9b 73 2-97
IDC XII 20 15 05 55.2–1.9 6.67S 129.72E 136–16 4.3,3.7b **¶621685623**
DJA XII 20 15 05 57.3–.30 7S–2.0 130E–2.0 192–6 4.5b,4.3
NEIC XII 20 15 05 57.1–1.8 6.68S–.07 129.7E–.10 160–13 4.3b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 15 37 12.0–.39 7.56S–.04 128.14E–.04 142 4.3b 179 3-82
GFZ XII 20 15 37 12.9–.18 8S–2.0 128E–2.0 152 4.7b,4.5b **¶621634789**
DJA XII 20 15 37 13.5–.30 8S–2.0 128E–2.0 141–10 5.2b,4.6
NEIC XII 20 15 37 13.2–1.5 7.44S–.07 128.15E–.06 145–7 4.4b,4.6
IDC XII 20 15 37 13.2–1.4 7.49S 128.09E 148–13 4.3,3.8b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.2km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.6km s-min=11.9km az=95.0.
ISC XII 22 00 30 32.1–.32 7.09S–.05 124.09E–.06 601 4.3b 325 1-150
GFZ XII 22 00 30 32.0–.15 7S–2.0 124E–2.0 614–3 4.8b,4.8 **¶621637436**
NEIC XII 22 00 30 32.9–1.7 7.07S–.09 124.1E–.10 606–6 4.4b,4.8
DJA XII 22 00 30 32.3–.20 7S–2.0 124E–2.0 614–3 5.0b,4.8
IDC XII 22 00 30 33.2–.76 7.12S 124.07E 618–10 4.7,3.7b
ISC Event type se.
GFZ Error ellipse: s-maj=4.9km s-min=4.1km az=162.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=13.4km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.4km s-min=9.4km az=75.0.
ISC XII 18 10 31 00.2–.46 6.82S–.04 129.67E–.05 150 4.3b 77 2-100
IDC XII 18 10 31 00.8–2.2 6.77S 129.63E 151–20 4.5,3.9b **¶621656994**
NEIC XII 18 10 31 02.5–1.9 6.63S–.06 129.70E–.08 170–8 4.3b,3.9b
DJA XII 18 10 31 02.6–.30 7S–2.0 130E–2.0 181–6 5.3,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 15 09 51.2–.77 5.03S–.05 130.12E–.06 10 3.6b 30 1-76
IDC XII 22 15 09 50.7–1.0 4.96S 129.96E 0 4.0L,3.8 **¶621686775**
DJA XII 22 15 09 53.1–.70 5S–3.0 130E–3.0 11–6 4.8b,4.8b
ISC Event type se.
ISC XII 22 03 55 50.4–.62 6.62S–.05 130.0E–.10 50 4.2b 25 2-68
IDC XII 22 03 55 51.2–2.5 6.81S 129.94E 48–38 4.1L,4.1 **¶621686741**
NEIC XII 22 03 55 52.9–1.3 6.65S–.06 130.1E–.10 79–3 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 22 21 11 50.1–.20 8S–2.0 128E–1.0 146–5 4.9b,4.6 ¶626707218
IDC XII 22 17 13 22.6–1.4 6.78S 129.10E 0 3.7b,3.5 ¶621686781
IDC Error ellipse: s-maj=46.1km s-min=15.8km az=79.0.
ISC XII 22 22 26 13.3–1.1 4.10S–.06 129.20E–.04 100 27 1-65
IDC XII 22 22 26 11.2–4.1 4.05S 129.15E 113–52 3.8,3.3b **¶621686791**
DJA XII 22 22 26 15.4–.50 4S–5.0 129E–3.0 93–5 3.6,3.6
ISC Event type se.
ISC XII 23 01 33 34.4–.68 5.21S–.06 129.86E–.09 150 4.0b 32 3-85
NEIC XII 23 01 33 34.3–1.2 5.08S–.09 129.75E–.09 149–10 4.2b **¶621686798**
IDC XII 23 01 33 35.8–1.5 4.98S 129.84E 164–17 4.1,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.2km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.2km s-min=12.8km az=96.0.
ISC XII 22 22 30 47.1–.92 7.42S–.06 129.56E–.10 150 11 6-68
IDC XII 22 22 30 47.4–1.8 7.25S 129.40E 126–25 3.7,2.8b **¶621686792**
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=14.5km az=116.0.
IDC XII 24 00 02 44.0–1.8 5.52S 124.04E 0 3.4b,3.4 ¶621700062
IDC Error ellipse: s-maj=186.9km s-min=29.2km az=60.0.
ISC XII 23 01 07 11.9–.57 6.27S–.05 128.40E–.07 300 3.8b 44 5-71
IDC XII 23 01 07 12.1–1.1 6.22S 128.38E 303–13 4.1,3.3b **¶621686797**
NEIC XII 23 01 07 13.2–.72 6.26S–.08 128.3E–.10 310–11 4.0b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 25 00 26 46.7–2.4 6.22S 130.08E 250–38 3.7,2.7b ¶621700124
IDC Error ellipse: s-maj=79.2km s-min=19.0km az=83.0.
ISC XII 24 00 46 09.5–.58 6.51S–.05 129.99E–.06 146 4.4b 85 2-71
IDC XII 24 00 46 06.2–2.2 6.58S 129.70E 100–30 4.4,3.7s **¶621652212**
NEIC XII 24 00 46 09.6–1.5 6.42S–.07 129.9E–.10 139–16 4.2b,3.7s
DJA XII 24 00 46 10.6–.20 7S–2.0 130E–2.0 184–6 4.9b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 25 00 47 30.6–2.9 6.99S 129.39E 122–39 3.6,3.2b ¶621700126
IDC Error ellipse: s-maj=64.1km s-min=21.5km az=91.0.
ISC XII 25 05 03 49.1–.29 7.43S–.04 128.63E–.05 151 4.6b 329 3-151
BJI XII 25 05 03 42.9 7.86S 129.05E 152 4.9b,4.8b **¶621653200**
IDC XII 25 05 03 49.7–1.5 7.31S 128.68E 152–14 4.8,4.3b
GFZ XII 25 05 03 49.9–.29 7S–3.0 129E–3.0 151–3 5.0b,4.7b
NEIC XII 25 05 03 49.6–1.5 7.29S–.07 128.62E–.07 147–7 4.6b,4.7b
DJA XII 25 05 03 49.0–.20 7S–2.0 129E–2.0 176–7 5.0b,5.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 24 19 57 14.4–1.5 4.10S–.05 128.67E–.03 5–11 43 1-65
IDC XII 24 19 57 14.7–1.6 3.98S 128.52E 0 3.5,3.4b **¶621700102**
DJA XII 24 19 57 16.6–.20 4S–2.0 129E–1.0 10 5.7b,5.3
ISC Event type se.
ISC XII 25 01 19 56.3–1.6 7.4S–.10 128.7E–.10 35 8 6-68
IDC XII 25 01 19 52.1–1.3 6.92S 128.52E 0 3.6,3.5L **¶621700128**
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=15.2km az=96.0.
ISC XII 25 23 39 13.8–.40 6.41S–.04 128.03E–.06 353 4.0b 126 3-152
NEIC XII 25 23 39 13.6–1.4 6.32S–.06 128.03E–.09 345–8 4.1b **¶621653482**
DJA XII 25 23 39 14.2–.20 6S–2.0 128E–2.0 339–5 5.1b,4.6
IDC XII 25 23 39 16.1–1.9 6.52S 127.78E 375–20 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.3km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.3km s-min=9.3km az=68.0.
ISC XII 25 14 48 11.0–.89 6.32S–.06 130.4E–.10 150 3.6b 12 5-72
IDC XII 25 14 48 12.0–2.2 6.25S 130.29E 140–23 4.2,3.5b **¶621700158**
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=18.8km az=93.0.
ISC XII 26 07 03 26.2–.94 6.08S–.06 130.7E–.20 50 9 5-68
IDC XII 26 07 03 28.8–2.9 5.98S 130.56E 75–39 3.8L,3.8 **¶621700200**
ISC Event type se.
IDC Error ellipse: s-maj=75.9km s-min=22.5km az=88.0.
ISC XII 26 16 49 50.9–.60 7.64S–.05 128.56E–.05 151 4.6b 37 3-91
IDC XII 26 16 49 52.2–1.7 7.51S 128.64E 155–25 3.9,3.5s **¶621700233**
NEIC XII 26 16 49 52.3–1.7 7.56S–.09 128.54E–.07 158–9 4.6b,3.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 26 20 40 10.2–1.0 6.60S–.05 130.48E–.06 90 27 2-68
IDC XII 26 20 40 04.0–1.1 6.49S 130.10E 0 4.0L,3.9 **¶621700251**
DJA XII 26 20 40 09.4–.50 7S–3.0 130E–3.0 115–8 4.0,3.9
ISC Event type se.
ISC XII 26 17 22 10.4–.48 4.81S–.05 130.75E–.04 81 4.5b 75 1-72
IDC XII 26 17 22 03.3–1.1 4.87S 130.65E 0 4.0L,3.8 **¶621700236**
NEIC XII 26 17 22 04.2–1.9 4.82S–.04 130.67E–.06 10–1 4.6b,3.8
DJA XII 26 17 22 10.2–.30 5S–3.0 131E–2.0 81–7 5.0b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 27 02 54 15.4–.59 6.78S–.04 129.79E–.04 150 4.2b 82 2-82
IDC XII 27 02 54 15.4–2.3 6.77S 129.76E 143–21 4.6,4.0b **¶621717278**
NEIC XII 27 02 54 17.1–2.5 6.58S–.08 129.79E–.05 151–9 4.3b,4.0b
DJA XII 27 02 54 17.2–.20 7S–2.0 130E–2.0 173–5 4.9b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 27 03 00 40.8–1.3 6.87S 128.57E 0 3.9b,3.7 ¶621717280
IDC Error ellipse: s-maj=109.5km s-min=18.6km az=66.0.
IDC XII 27 22 25 31.8–11 5.80S 129.36E 315–140 4.1,3.1b ¶621717343
IDC Error ellipse: s-maj=112.7km s-min=49.3km az=67.0.
IDC XII 27 08 13 54.6–4.3 6.12S 130.05E 405–57 3.8,2.5b ¶621717300
IDC Error ellipse: s-maj=171.7km s-min=19.5km az=73.0.
IDC XII 27 16 04 07.9–2.8 6.09S 130.46E 117–36 3.6,3.5b ¶621717324
IDC Error ellipse: s-maj=75.2km s-min=21.0km az=87.0.
ISC XII 28 01 07 04.6–.71 7.02S–.05 129.67E–.08 100 4.2b 26 2-81
IDC XII 28 01 07 03.9–2.6 6.97S 129.63E 75–37 4.1L,4.0 **¶621717353**
NEIC XII 28 01 07 04.6–1.4 6.95S–.06 129.68E–.08 80–5 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 28 02 07 31.6–1.2 6.12S 130.11E 0 3.6L,3.6 ¶621717356
IDC Error ellipse: s-maj=42.0km s-min=12.5km az=96.0.
IDC XII 27 17 40 18.7–1.9 6.48S 129.38E 0 3.6b,3.5L ¶621717330
IDC Error ellipse: s-maj=128.9km s-min=24.3km az=67.0.
ISC XII 28 07 05 48.8–.35 4.61S–.04 128.97E–.04 10 4.7b,3.5s 197 1-99
IDC XII 28 07 05 48.4–.54 4.58S 128.93E 0 4.6L,4.4b **¶621654336**
DJA XII 28 07 05 49.8–.20 5S–2.0 129E–2.0 10 5.4b,5.3b
NEIC XII 28 07 05 49.2–1.7 4.68S–.03 128.96E–.06 10–1 4.7b,5.3b
GFZ XII 28 07 05 50.1–.17 5S–2.0 129E–2.0 27 5.5,5.3b
GCMT XII 28 07 05 53.3–.30 4.54S–.02 129.11E–.02 15–2 4.7W,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112280705A. Moment Tensor Solution. s6,c9; s73,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.03±.08 $M_{\theta\theta}$0.02±.07; $M_{\phi\phi}$-0.05±.07; $M_{r\theta}$-0.29±.15; $M_{\theta\phi}$1.25±.06; $M_{\phi r}$0.26±.15; Best double couple: NP1:ϕ_s182.00000°,δ78.00000° ,λ-170.00000°. NP2:ϕ_s90.00000°,δ80.00000°,λ-12.00000°. Principal axes: T 1.2340,Plg1.0000°,Azm136.0000°; N 0.1410,Plg75.0000°,Azm231.0000° ; P -1.3750,Plg15.0000°,Azm46.0000° $M_0$1.30400×10^{16}
ISC XII 28 15 43 44.6–.85 7.17S–.06 129.54E–.10 139 12 6-72
IDC XII 28 15 43 47.1–2.1 7.01S 129.27E 148–23 3.7,3.3b **¶621717399**
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=19.0km az=111.0.
ISC XII 29 19 56 20.8–.48 7.67S–.05 127.83E–.06 142 4.2b 87 3-151
IDC XII 29 19 56 23.7–1.5 7.59S 127.70E 166–13 4.4,3.8b **¶621724247**
NEIC XII 29 19 56 24.5–1.9 7.59S–.08 127.73E–.07 172–8 4.1b,3.8b
DJA XII 29 19 56 36.7–.90 8S–5.0 127E–7.0 128–14 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 29 00 39 28.8–1.6 7.08S 129.68E 0 3.8L,3.5b ¶621724176
IDC Error ellipse: s-maj=113.2km s-min=22.1km az=68.0.
ISC XII 28 10 51 48.4–.24 7.66S–.04 127.59E–.04 162 4.9b 455 3-155
NEIC XII 28 10 51 48.2–1.3 7.63S–.07 127.64E–.07 160–7 4.9b **¶621883775**
BJI XII 28 10 51 48.2 7.85S 127.85E 197 4.8b,4.8b
IDC XII 28 10 51 49.9–1.2 7.55S 127.52E 166–10 4.8,4.3b
DJA XII 28 10 51 50.0–.10 8S–1.0 128E–1.0 167–2 5.3b,5.3
GCMT XII 28 10 51 51.6–.30 7.70S–.03 127.58E–.03 169–2 4.9W,5.3
GFZ XII 28 10 51 51.4–.32 8S–3.0 128E–3.0 175–4 5.1b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112281051A. Moment Tensor Solution. s30,c32; s91,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.63±.10 $M_{\theta\theta}$-1.23±.17; $M_{\phi\phi}$-1.40±.19; $M_{r\theta}$0.18±.11; $M_{\theta\phi}$-1.00±.17; $M_{\phi r}$0.89±.12; Best double couple: NP1:ϕ_s230.00000°,δ37.00000° ,λ103.00000°. NP2:ϕ_s34.00000°,δ54.00000°,λ80.00000°. Principal axes: T 2.8190,Plg78.0000°,Azm268.0000°; N -0.3800,Plg8.0000°,Azm39.0000° ; P -2.4390,Plg9.0000°,Azm131.0000° $M_0$2.62900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 28 19 50 38.3–.64 7.15S–.06 129.31E–.06 150 4.1b 30 2-132
IDC XII 28 19 50 25.9–1.6 6.41S 129.19E 0 4.2L,3.9 **¶621717412**
NEIC XII 28 19 50 40.2–2.7 7.18S–.08 129.30E–.07 156–8 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 20 27 05.0–.77 7.70S–.07 127.84E–.06 142 3.6b 30 3-145
NEIC XII 29 20 27 06.3–2.3 7.49S–.07 127.84E–.08 166–9 4.3b **¶621724251**
IDC XII 29 20 27 07.2–1.9 7.58S 127.87E 179–22 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.8km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.9km s-min=20.2km az=97.0.
ISC XII 29 20 32 53.0–.45 7.60S–.03 127.74E–.03 170–4 4.9b 576 3-155
NEIC XII 29 20 32 52.5–1.4 7.56S–.06 127.76E–.05 158–5 5.0b **¶621657255**
IDC XII 29 20 32 52.5–.89 7.51S 127.71E 164–7 4.8,4.3b

GFZ XII 29 20 32 54.6–.27 8S–2.0 128E–3.0 177–3 5.5b,4.9
DJA XII 29 20 32 54.4–.20 8S–2.0 128E–1.0 180–2 5.6b,5.4
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC XII 29 20 50 46.5–1.7 6.34S 124.62E 0 3.8L,3.5
¶621724255
IDC
Error ellipse: s-maj=284.8km s-min=27.8km az=60.0.
ISC XII 29 23 00 35.5–.44 7.68S–.04 127.58E–.04 170–4 4.7b 393 3-152
IDC XII 29 23 00 34.4–.70 7.60S 127.48E 157–6 4.7,4.2b **¶621657265**
NEIC XII 29 23 00 35.4–1.5 7.61S–.07 127.54E–.07 162–5 4.8b,4.2b
GFZ XII 29 23 00 36.7–.32 8S–3.0 128E–3.0 165–4 5.0b,4.8b
DJA XII 29 23 00 36.4–.20 8S–2.0 128E–2.0 164–2 5.9,5.8
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC XII 29 23 19 13.7–1.2 5.83S 124.37E 0 3.8L,3.7b
¶621724263
IDC
Error ellipse: s-maj=92.6km s-min=19.2km az=69.0.
ISC XII 29 21 35 56.6–.57 7.74S–.04 127.98E–.04 142 4.1b 66 3-119
NEIC XII 29 21 35 58.8–1.5 7.58S–.09 127.94E–.04 168–9 4.3b **¶621724258**
IDC XII 29 21 35 58.5–1.4 7.62S 127.83E 175–15 4.3,3.5b
DJA XII 29 21 35 59.3–.30 8S–3.0 128E–2.0 169–13 4.7,4.6
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 29 23 46 51.1–2.0 6.82S 127.94E 0 3.7L,3.6
¶621724265
IDC
Error ellipse: s-maj=37.7km s-min=24.4km az=74.0.
ISC XII 29 21 42 41.7–1.4 7.72S–.10 128.0E–.10 142 10 5-72
IDC XII 29 21 42 43.5–8.1 7.64S 127.79E 164–86 4.1,3.2b **¶621724259**
ISC
Event type se.
IDC
Error ellipse: s-maj=83.4km s-min=23.4km az=38.0.
ISC XII 29 18 25 53.2–.20 7.58S–.02 127.58E–.02 178–1 6.8b 3696 4-178
NEIC XII 29 18 25 50.1 7.58S 127.59E 144 6.8b **¶621657133**
BJI XII 29 18 25 51.5 7.75S 127.70E 200 7.3b,6.2b
NEIC XII 29 18 25 52.0–2.1 7.55S–.06 127.58E–.05 165–3 7.3,6.8b
IPGP XII 29 18 25 51.0 7.59S 127.58E 163 7.4W,6.8b
MOS XII 29 18 25 51.3–.95 7.47S 127.67E 173 6.9s,6.9b
PTWC XII 29 18 25 52 7.80S 127.60E 169 7.3,6.9b
NEIC XII 29 18 25 52.2 7.60S 127.56E 169 7.3,6.9b
GFZ XII 29 18 25 53.5 7.57S 127.56E 163 7.3W,6.9b
IDC XII 29 18 25 53.5–.72 7.54S 127.59E 177–6 6.9s,6.4
GFZ XII 29 18 25 53.1–.25 8S–2.0 128E–2.0 168–2 7.6,7.4
DJA XII 29 18 25 53.2–.10 8S–1.0 128E–1.0 185–1 7.5,7.4
GCMT XII 29 18 26 00.0–.10 7.69S 127.56E 166–0 7.3W,7.4
NEIC XII 29 18 26 11.3 7.58S 127.69E 170 7.3,7.4
ISC
Event type se.
NEIC
Event type se.
NEIC
Event type se. Error ellipse: s-maj=9.3km s-min=7.4km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-0.40 $M_{r\theta}$0.20 $M_{\theta\phi}$0.44 $M_{\phi r}$0.24 NP1:ϕ_s312.31000°,δ44.97000°,λ106.78000°. NP2:ϕ_s109.22000°,δ47.41000°,λ73.91000°. Principal axes: T 1.3259,Plg78.0000°,Azm306.0000°; N -0.1955,Plg12.0000°,Azm120.0000°; P -1.1305,Plg1.0000°,Azm211.0000° $M_0$1.24000×10^{20}
IPGP
Moment Tensor Solution. NP1:ϕ_s290.00000°,δ45.00000°,λ118.00000°. NP2:ϕ_s73.00000°,δ52.00000°,λ65.00000°.
MOS
Error ellipse: s-maj=7.1km s-min=4.4km az=115.8.
NEIC
Event type se.
GFZ
smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}0.85 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$0.02 $M_{r\theta}$0.23 $M_{\theta\phi}$0.23 $M_{\phi r}$0.43 NP1:ϕ_s79.85801°,δ54.45465°,λ58.77334°. NP2:ϕ_s306.05963°,δ45.91094°,λ125.96424°. Principal axes: T 1.0776,Plg64.5636°,Azm291.2648°; N -0.1394,Plg24.9495°,Azm99.2728°; P -0.9382,Plg4.6411°,Azm191.4373° $M_0$1.01514×10^{20}
IDC
Error ellipse: s-maj=8.4km s-min=6.0km az=82.0.
GFZ
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT
nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112291825A. Moment Tensor Solution. s170,c470; s170,c918;Duration: 11s2 Moment tensor: Scale 10^{20}Nm; M_{rr}1.03±.00 $M_{\theta\theta}$-1.06±.00; $M_{\phi\phi}$0.02±.00; $M_{r\theta}$0.26±.00; $M_{\theta\phi}$0.22±.00; $M_{\phi r}$0.50±.00; Best double couple: NP1:ϕ_s303.00000°,δ45.00000°,λ124.00000°. NP2:ϕ_s78.00000°,δ54.00000°,λ60.00000°. Principal axes: T 1.2810,Plg66.0000°,Azm289.0000°; N -0.1730,Plg24.0000°,Azm97.0000°; P -1.1160,Plg5.0000°,Azm189.0000° $M_0$1.19900×10^{20}
NEIC
Event type se. Moment Tensor Solution.Duration: 22s0 Moment tensor: Scale 10^{19}Nm; M_{rr}8.55 $M_{\theta\theta}$-7.51 $M_{\phi\phi}$-1.04 $M_{r\theta}$2.22 $M_{\theta\phi}$2.10 $M_{\phi r}$4.43 NP1:ϕ_s307.18000°,δ46.20000°,λ123.42000°. NP2:ϕ_s83.55000°,δ52.96000°,λ60.13000°. Principal axes: T 10.7270,Plg66.0000°,Azm293.0000°; N -2.5352,Plg23.0000°,Azm103.0000°; P -8.1918,Plg4.0000°,Azm194.0000° $M_0$9.71000×10^{19}
ISC XII 30 03 24 22.3–.76 7.84S–.07 127.67E–.06 150 3.9b 24 4-82
NEIC XII 30 03 24 24.3–1.7 7.86S–.08 127.65E–.08 174–8 4.1b **¶622512457**
IDC XII 30 03 24 43.7–6.2 6.84S 132.19E 470–81 4.0,2.9b
ISC
Event type se.
NEIC
Event type se. Error ellipse: s-maj=12.2km s-min=10.9km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC
Error ellipse: s-maj=109.9km s-min=34.3km az=69.0.
ISC XII 29 18 47 19.8–.64 7.69S–.05 127.69E–.04 162 4.2b 80 3-52
IDC XII 29 18 47 19.8–1.4 7.57S 127.58E 162–18 4.8,4.0b **¶621724240**
NEIC XII 29 18 47 20.5–1.4 7.59S–.09 127.66E–.07 152–10 4.1b,4.0b
DJA XII 29 18 47 20.7–.20 8S–3.0 128E–2.0 174–8 5.5,5.3
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 22 45 32.4–1.4 7.8S–.10 127.8E–.10 150 9 5-72
IDC XII 29 22 45 33.3–8.2 7.70S 127.66E 159–87 3.8,2.9b **¶621724262**
ISC
Event type se.
IDC
Error ellipse: s-maj=83.6km s-min=24.0km az=36.0.
ISC XII 30 03 47 33.7–.69 7.64S–.07 128.4E–.10 150 4.3b 24 3-72
NEIC XII 30 03 47 35.9–1.9 7.61S–.09 128.5E–.10 168–5 4.4b **¶621725987**
IDC XII 30 03 47 43.0–7.2 7.31S 129.36E 271–82 3.8,2.9b
ISC
Event type se.
NEIC
Event type se. Error ellipse: s-maj=15.3km s-min=13.0km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC
Error ellipse: s-maj=140.1km s-min=32.4km az=72.0.
DJA XII 29 18 54 57.9–2.0 8S–12 128E–4.0 26–20 5.7,5.3
¶626707391
ISC XII 30 07 08 32.6–.61 7.86S–.06 127.84E–.06 150 3.8b 34 3-82
NEIC XII 30 07 08 34.8–1.4 7.78S–.08 127.88E–.07 175–11 4.2b **¶621725996**
IDC XII 30 07 08 34.6–1.9 7.69S 127.77E 165–18 4.2,3.5b
ISC
Event type se.
NEIC
Event type se. Error ellipse: s-maj=13.0km s-min=8.6km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC
Error ellipse: s-maj=20.6km s-min=17.0km az=93.0.
ISC XII 29 19 08 52.7–.57 7.91S–.05 127.79E–.06 200 3.9b 48 3-79
IDC XII 29 19 08 53.2–1.7 8.00S 127.97E 197–18 4.1,3.7b **¶621724243**
NEIC XII 29 19 08 54.0–1.5 7.85S–.03 127.51E–.08 185–10 4.4b,3.7b
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 19 21 11.9–.43 7.65S–.03 127.62E–.03 165–4 4.9b 616 3-158
NEIC XII 29 19 21 12.6–1.5 7.59S–.07 127.62E–.05 164–4 4.9b **¶621657149**
IDC XII 29 19 21 12.0–.67 7.54S 127.69E 163–5 5.4s,4.8
GFZ XII 29 19 21 13.3–.30 8S–3.0 128E–3.0 172–3 4.9b,4.9
DJA XII 29 19 21 13.0–.10 8S–1.0 128E–1.0 168–2 6.6,6.6
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC XII 29 19 41 16.5–1.8 7.76S 127.12E 0 3.6,3.5b
¶621724245
IDC
Error ellipse: s-maj=32.9km s-min=24.7km az=42.0.
ISC XII 30 01 35 12.7–.77 4.17S–.08 128.44E–.10 35 3.6b 19 4-65
IDC XII 30 01 35 09.3–1.4 4.04S 128.32E 0 3.8,3.6b **¶621725977**
NEIC XII 30 01 35 10.0–1.4 4.13S–.06 128.37E–.10 10–1 4.6b,3.6b
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 08 17 30.6–.63 5.60S–.05 130.07E–.06 164 3.8b 45 1-67
NEIC XII 30 08 17 31.1–1.1 5.49S–.05 130.0E–.10 164–11 4.0b **¶621725998**
IDC XII 30 08 17 31.2–2.2 5.47S 130.23E 173–26 4.1,3.2b
DJA XII 30 08 17 35.4–.40 5S–3.0 130E–3.0 185–5 4.2b,4.1
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 02 04 32.2–.70 7.92S–.06 127.64E–.08 200 4.1b 26 4-82
IDC XII 30 02 04 30.6–1.9 7.72S 127.55E 165–26 4.0,2.8b **¶621725979**
NEIC XII 30 02 04 32.1–1.9 7.8S–.10 127.62E–.05 188–8 4.1b,2.8b
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 19 53 01.9–.28 7.63S–.04 127.80E–.04 150 4.6b 289 3-151
IDC XII 29 19 53 03.8–1.6 7.61S 127.76E 164–14 4.6,4.1b **¶621657254**
GFZ XII 29 19 53 04.8–.29 8S–3.0 128E–3.0 172–3 5.8b,5.4
NEIC XII 29 19 53 04.4–1.3 7.65S–.07 127.81E–.06 177–6 4.6b,5.4
DJA XII 29 19 53 04.7–.20 8S–2.0 128E–2.0 153–9 5.7b,5.3
ISC
Event type se.
GFZ
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 12 59 47.4–.88 7.84S–.06 127.86E–.09 200 12 5-71
IDC XII 30 12 59 48.2–1.9 7.75S 127.79E 176–23 4.0,3.2b **¶621726008**
ISC
Event type se.
IDC
Error ellipse: s-maj=30.9km s-min=20.3km az=95.0.
IDC XII 30 08 33 58.8–1.7 7.65S 129.31E 0 3.8L,3.7
¶621725999
IDC
Error ellipse: s-maj=22.7km s-min=17.5km az=65.0.
IDC XII 30 22 57 49.2–8.4 7.44S 127.90E 112–90 3.7,3.6L
¶621726032
IDC
Error ellipse: s-maj=74.7km s-min=27.2km az=29.0.
ISC XII 30 14 27 16.8–.36 7.73S–.04 127.64E–.04 162 4.3b 145 3-152
IDC XII 30 14 27 13.9–1.7 7.50S 127.78E 128–16 4.4,3.9b **¶621726013**
NEIC XII 30 14 27 17.7–2.2 7.65S–.08 127.66E–.07 172–7 4.5b,3.9b
DJA XII 30 14 27 18.5–1.0 8S–2.0 128E–2.0 20–9 5.3b,4.7
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 11 03 45.8–.47 7.72S–.04 127.82E–.04 142 3.9b 97 3-151
IDC XII 30 11 03 46.5–1.5 7.60S 127.72E 151–14 4.2,3.6b **¶621726004**
NEIC XII 30 11 03 47.6–2.1 7.63S–.06 127.76E–.07 163–7 4.1b,3.6b
DJA XII 30 11 03 47.8–1.1 8S–3.0 128E–2.0 21–11 4.7b,4.5b
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 11 56 41.3–.64 7.72S–.05 127.90E–.05 150 3.6b 40 3-72
IDC XII 30 11 56 42.6–.94 7.49S 127.73E 158–10 3.9,3.2b **¶621726005**
NEIC XII 30 11 56 43.0–2.7 7.70S–.03 127.90E–.07 177–10 4.4b,3.2b
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 31 02 31 54.6–.48 7.18S–.05 128.95E–.06 10 4.5b,3.4s 110 2-151
IDC XII 31 02 31 54.8–.72 6.92S 128.66E 0 4.3b,4.3 **¶621657663**
NEIC XII 31 02 31 54.7–1.8 7.19S–.07 128.91E–.06 10–1 4.6b,4.3
GFZ XII 31 02 31 55.8–.28 7S–3.0 129E–4.0 10 5.3b,4.7
DJA XII 31 02 31 56.6–.20 7S–2.0 129E–2.0 10 5.2b,4.8b
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 31 19 07 23.6–.49 7.36S–.05 123.76E–.06 523–6 4.1b 228 1-154
DJA XII 31 19 07 22.8–.20 7S–2.0 124E–2.0 539–3 4.7b,4.5 **¶621657761**
IDC XII 31 19 07 23.9–.64 7.31S 123.80E 529–8 4.1,3.1b
NEIC XII 31 19 07 23.6–2.0 7.33S–.09 123.7E–.10 518–7 4.2b,3.1b
GFZ XII 31 19 07 24.2–.27 7S–5.0 124E–4.0 526–5 5.9,5.8
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 31 20 04 59.3–.58 6.31S–.05 128.40E–.07 350 3.6b 78 2-71
IDC XII 31 20 04 59.9–1.2 6.28S 128.56E 362–14 4.1,3.2b **¶621726083**
DJA XII 31 20 05 00.4–.30 6S–2.0 128E–2.0 371–6 4.7b,4.3
ISC
Event type se.
DJA XII 31 20 16 21.4–.20 8S–3.0 128E–2.0 139–10 4.1,4.1
¶626707425

(281) Tanimbar Islands region.

ISC VII 01 14 35 44.6–.85 7.09S–.06 131.9E–.10 35 10 6-74
IDC VII 01 14 35 43.2–.99 6.83S 131.99E 0 3.7,3.6b **¶620927675**
ISC
Event type se.
IDC
Error ellipse: s-maj=26.0km s-min=11.5km az=92.0.
ISC VII 02 18 29 20.6–.78 7.29S–.05 132.74E–.05 10 27 1-70
IDC VII 02 18 29 23.2–1.6 7.23S 132.82E 0 3.5s,3.4 **¶620927769**
DJA VII 02 18 29 28.1–.90 7S–3.0 132E–4.0 21–8 3.6,3.6
ISC
Event type se.
ISC VII 07 01 17 18.6–.61 8.37S–.05 130.62E–.09 35 4.0b 35 1-84
IDC VII 07 01 17 15.7–.78 8.12S 130.72E 0 4.2L,4.0b **¶620928074**
NEIC VII 07 01 17 17.4–1.6 8.24S–.07 130.53E–.03 14–6 4.3b,4.0b
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 08 07 16 19.9–1.6 7.70S 130.52E 0 3.7b,3.4
¶620928159
IDC
Error ellipse: s-maj=44.0km s-min=18.3km az=89.0.
IDC VII 13 14 35 49.9–3.8 6.10S 131.67E 136–75 3.6,3.5b
¶620928540
IDC
Error ellipse: s-maj=284.0km s-min=19.0km az=79.0.
IDC VII 18 05 12 48.2–3.0 6.00S 132.73E 0 4.0L,3.7b
¶620928802
IDC
Error ellipse: s-maj=163.0km s-min=20.7km az=76.0.
ISC VIII 02 20 46 16.9–.58 7.32S–.05 130.02E–.07 150 3.9b 40 5-83
IDC VIII 02 20 46 16.1–1.6 7.19S 130.14E 131–14 4.1,3.7b **¶620993261**
NEIC VIII 02 20 46 18.0–1.4 7.22S–.08 130.06E–.07 144–10 4.0b,3.7b
ISC
Event type se.
NEIC
Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 26 11 46 22.2–1.1 7.32S–.08 130.1E–.10 100 10 7-27
IDC VIII 26 11 46 21.8–2.5 7.18S 130.03E 84–53 3.8,3.6b **¶621058992**
ISC
Event type se.
IDC
Error ellipse: s-maj=39.2km s-min=22.1km az=132.0.
ISC VIII 03 21 08 06.8–1.1 6.67S–.07 131.5E–.10 35 11 6-73

IDC VIII 03 21 08 06.9–1.1 6.17S 130.99E 0 4.4L,4.2 ¶620995903
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=11.4km az=102.0.
IDC VIII 06 10 07 25.7–1.2 7.31S 130.14E 0 3.7b,3.7
¶620998886
IDC Error ellipse: s-maj=35.5km s-min=12.0km az=93.0.
ISC VIII 12 04 39 10.6–.60 6.21S–.04 131.13E–.06 86 4.5b 48 2-84
IDC VIII 12 04 39 03.7–.96 6.16S 130.79E 0 4.9L,4.6 ¶621009377
DJA VIII 12 04 39 08.7–1.2 6S–2.0 131E–2.0 10–10 4.4,4.4
NEIC VIII 12 04 39 09.2–1.7 6.22S–.06 131.0E–.10 63–9 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 20 09 27.8–.92 7.83S–.07 130.60E–.09 100 38 1-74
IDC IX 27 20 09 24.6–1.6 7.63S 130.16E 0 3.7b,3.5 ¶621140735
DJA IX 27 20 09 28.2–.30 8S–2.0 131E–3.0 96–10 5.5b,4.9
ISC Event type se.
IDC VIII 29 16 05 20.4–1.6 7.20S 130.94E 0 3.5b,3.3
¶621073190
IDC Error ellipse: s-maj=109.9km s-min=17.2km az=72.0.
IDC VIII 27 19 15 01.3–2.0 7.84S 130.21E 0 3.4b,3.3
¶621072169
IDC Error ellipse: s-maj=46.1km s-min=22.4km az=88.0.
IDC IX 21 14 47 53.2–2.4 7.60S 130.49E 80–31 3.6,3.1b
¶621116037
IDC Error ellipse: s-maj=37.2km s-min=19.9km az=83.0.
ISC X 07 10 38 04.1–.57 6.81S–.05 132.34E–.07 50 4.0b 69 1-100
IDC X 07 10 37 59.0–.81 6.70S 132.46E 0 4.2L,4.1 ¶621134149
NEIC X 07 10 37 60.0–2.6 6.86S–.06 132.5E–.10 10–1 4.3b,4.1
DJA X 07 10 38 05.2–.30 7S–2.0 132E–3.0 61–9 5.1b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 13 10 51 47.2–.33 7.12S–.03 130.10E–.04 94–3 5.0b 443 1-151
BJI X 13 10 51 42.2 7.44S 130.46E 95 5.4b,5.2b ¶621146899
IDC X 13 10 51 42.6–2.0 7.23S 130.10E 54–18 5.3L,4.9
DJA X 13 10 51 47.4–.10 7S–1.0 130E–1.0 94–2 5.4,5.4b
GCMT X 13 10 51 47.8–.40 7.26S–.03 130.02E–.04 85–4 4.8W,5.4b
NEIC X 13 10 51 47.7–1.2 7.10S–.06 130.06E–.07 91–6 5.0b,5.4b
GFZ X 13 10 51 47.6–.24 7S–2.0 130E–3.0 96–2 5.8,5.6
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110131051A. Moment Tensor Solution. s22,c26; s62,c81; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.65±.10 $M_{\theta\theta}$-1.12±.13; $M_{\phi\phi}$-0.53±.13; $M_{r\theta}$0.68±.07; $M_{\theta\phi}$1.10±.09; $M_{\phi r}$0.24±.09; Best double couple: NP1:ϕ_s327.00000°,δ42.00000°,λ121.00000°. NP2:ϕ_s108.00000°,δ55.00000°,λ65.00000°. Principal axes: T 1.9180,Plg69.0000°,Azm322.0000°; N 0.0890,Plg20.0000°,Azm123.0000°; P -2.0080,Plg6.0000°,Azm216.0000° $M_0$1.96300×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 08 20 11 11.8–.45 8.09S–.04 130.34E–.05 35 4.3b,3.5s 149 1-100
IDC X 08 20 11 07.9–.65 7.76S 130.18E 0 4.2L,4.2b ¶621142339
NEIC X 08 20 11 09.8–2.2 7.76S–.07 130.25E–.05 10–1 4.5b,4.2b
GFZ X 08 20 11 10.7–.19 8S–2.0 130E–2.0 20 5.0b,4.7L
DJA X 08 20 11 13.4–.10 8S–1.0 131E–1.0 84–5 4.9b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 13 23 47 31.9–.81 7.09S–.06 130.0E–.10 104 3.5b 12 6-73
IDC XI 13 23 47 34.6–2.3 6.99S 129.87E 125–23 3.8,3.3b ¶621468624
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=22.3km az=93.0.
IDC X 26 08 04 52.4–1.1 7.22S 130.42E 0 4.0b,3.7
¶621366463
IDC Error ellipse: s-maj=35.8km s-min=11.5km az=92.0.
ISC XI 12 21 41 06.3–.98 7.06S–.05 131.4E–.10 36 14 1-50
IDC XI 12 21 41 03.4–1.4 7.06S 132.01E 0 3.9b,3.7 ¶621460225
DJA XI 12 21 41 06.7–.50 7S–4.0 131E–8.0 10 3.3,3.3
ISC Event type se.
ISC X 14 20 49 18.1–.27 7.14S–.03 130.09E–.04 104 4.7b 473 1-151
BJI X 14 20 49 12.2 7.61S 130.63E 112 5.1b,4.8b ¶621196192
IDC X 14 20 49 13.5–1.8 7.05S 130.01E 55–16 5.0L,4.4
GFZ X 14 20 49 17.4–.17 7S–2.0 130E–2.0 108 5.2b,4.8
NEIC X 14 20 49 18.5–1.1 7.10S–.06 130.05E–.03 98–6 4.9b,4.8
DJA X 14 20 49 18.2–.10 7S–1.0 130E–1.0 111–3 5.3,5.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 22 14 59.9–1.2 7.22S–.08 130.8E–.40 10 7 6-69
IDC X 23 22 15 01.5–1.5 6.99S 129.95E 0 3.6L,3.5 ¶621309397
ISC Event type se.
IDC Error ellipse: s-maj=52.5km s-min=14.2km az=86.0.
ISC X 30 00 17 30.3–1.4 8.31S–.10 130.4E–.20 35 4.2b 9 7-74
IDC X 30 00 17 27.1–1.2 7.86S 130.29E 0 4.1b,4.0 ¶621395147
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=13.7km az=82.0.
ISC X 31 15 03 46.8–.65 7.07S–.05 130.07E–.09 104 4.2b 29 2-90
IDC X 31 15 03 47.7–2.8 7.01S 129.68E 85–37 3.9b,3.9 ¶621395254
NEIC X 31 15 03 50.2–1.8 6.91S–.08 130.02E–.09 128–11 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 07 11 30 21.9–8.8 7.12S 130.14E 253–122 3.8b,3.8
¶621416035
IDC Error ellipse: s-maj=104.9km s-min=28.8km az=57.0.
ISC XI 08 07 30 23.6–.81 6.31S–.05 131.08E–.06 10 3.9b 26 1-68
IDC XI 08 07 30 20.6–1.1 6.30S 131.15E 0 4.2L,4.0b ¶621423085
DJA XI 08 07 30 25.3–.30 6S–2.0 131E–3.0 10 4.7b,4.1
ISC Event type se.
IDC XI 10 02 46 04.4–2.0 7.67S 130.08E 0 3.5b,3.4L
¶621440041
IDC Error ellipse: s-maj=39.6km s-min=19.6km az=80.0.
ISC X 27 01 49 11.5–.77 8.28S–.06 130.25E–.06 35 4.0b 27 1-94
IDC X 27 01 49 08.0–.83 7.89S 130.37E 0 4.0b,3.9L ¶621385445
DJA X 27 01 49 11.9–.30 8S–4.0 130E–2.0 10 4.3b,4.1
ISC Event type se.
IDC XII 03 05 35 07.2–2.2 7.26S 130.08E 0 3.5b,3.4L
¶621630563
IDC Error ellipse: s-maj=118.1km s-min=21.3km az=69.0.
ISC XI 19 02 31 17.1–1.8 7.3S–.20 130.1E–.30 250 6 12-68
IDC XI 19 02 31 15.5–6.2 7.12S 129.76E 223–63 3.7,3.3b ¶621590261
ISC Event type se.
IDC Error ellipse: s-maj=80.0km s-min=28.9km az=67.0.
ISC XII 16 19 06 31.6–.80 6.68S–.06 131.99E–.07 10 4.0b 28 1-73
NEIC XII 16 19 06 31.9–1.2 6.65S–.03 132.1E–.10 10–1 4.1b ¶621655798
IDC XII 16 19 06 31.9–1.2 6.48S 131.78E 0 3.8L,3.8
DJA XII 16 19 06 34.4–.40 6S–4.0 131E–6.0 10 3.7,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 25 10 23 48.7–.79 7.64S–.07 130.26E–.07 27 4.1b 21 1-69
IDC XII 25 10 23 46.7–1.5 7.49S 130.32E 0 4.0b,3.9 ¶621700146
NEIC XII 25 10 23 49.4–.97 7.65S–.07 130.34E–.06 29–8 4.1b,3.9
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 18 08 56 25.2–1.6 6.16S 132.96E 0 3.7L,3.7
¶621656987
IDC Error ellipse: s-maj=46.5km s-min=12.3km az=85.0.
IDC XII 18 04 50 40.1–2.2 7.14S 131.39E 0 4.0s,3.4b
¶621656972
IDC Error ellipse: s-maj=110.5km s-min=20.2km az=73.0.
IDC XII 24 15 15 06.5–1.8 7.52S 130.32E 0 3.7b,3.5
¶621700092
IDC Error ellipse: s-maj=40.6km s-min=18.2km az=81.0.
ISC XII 25 12 06 43.9–.58 7.75S–.05 130.28E–.08 35 4.6b 34 1-72
IDC XII 25 12 06 42.0–1.1 7.53S 130.30E 0 4.1b,3.9 ¶621700151
NEIC XII 25 12 06 44.9–1.3 7.63S–.07 130.28E–.05 33–7 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 27 12 53 41.0–1.1 7.49S–.08 130.9E–.10 35 8 7-69
IDC XII 27 12 53 39.4–1.2 7.30S 130.66E 0 4.2L,4.2 ¶621717315
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=11.9km az=105.0.
IDC XII 30 08 55 08.1–2.1 7.37S 130.54E 0 3.6b,3.2
¶621726000
IDC Error ellipse: s-maj=125.8km s-min=21.1km az=70.0.
ISC XII 31 20 51 06.4–.62 8.53S–.05 130.64E–.06 10 4.4b 38 1-71
NEIC XII 31 20 51 07.6–1.6 8.47S–.05 130.63E–.05 10–1 4.6b ¶621726086
IDC XII 31 20 51 08.9–1.1 8.36S 130.52E 0 3.8L,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.5km az=317.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.0km s-min=13.4km az=82.0.

(282) South of Jawa.

ISC VII 08 11 28 40.6–.47 9.12S–.06 112.98E–.05 63 4.2b 136 1-89
DJA VII 08 11 28 37.4–.10 9S–2.0 113E–1.0 10 5.9b,5.4 ¶620928182
NEIC VII 08 11 28 40.6–1.7 9.03S–.09 113.00E–.06 61–8 4.4b,5.4
IDC VII 08 11 28 43.4–2.7 8.92S 113.12E 86–24 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.2km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=15.5km az=46.0.
ISC VII 24 17 33 24.6–.82 9.06S–.05 109.86E–.03 10 3.5b 100 1-155
IDC VII 24 17 33 23.4–1.3 9.24S 109.96E 0 3.7b,3.7 ¶620970236
DJA VII 24 17 33 25.6–.20 9S–2.0 110E–1.0 10 4.0,4.0
ISC Event type se.
DJA VII 23 13 47 14.0–.40 9S–4.0 112E–2.0 10 3.9,3.9
¶626066990
ISC VII 28 08 24 44.2–1.3 9.02S–.08 110.10E–.05 10 3.4b 29 1-62
IDC VII 28 08 24 42.5–1.3 8.57S 110.69E 0 3.8L,3.5 ¶620979607
DJA VII 28 08 24 47.4–.50 9S–5.0 110E–2.0 10 3.9,3.9
ISC Event type se.
ISC VIII 10 16 21 55.7–.91 9.30S–.07 110.38E–.04 35 3.8b,3.0s 65 1-71
IDC VIII 10 16 21 50.2–1.4 9.12S 110.34E 0 3.7b,3.7 ¶621008123
DJA VIII 10 16 21 55.5–.40 9S–3.0 110E–2.0 10 4.3,4.3
ISC Event type se.
ISC VIII 04 05 31 14.0–.70 9.74S–.07 112.84E–.04 36 4.2b 55 1-88
IDC VIII 04 05 31 09.0–.97 9.14S 113.19E 0 4.1b,4.1 ¶620997286
NEIC VIII 04 05 31 12.5–2.3 9.79S–.09 112.99E–.07 47–11 4.2b,4.1
DJA VIII 04 05 31 13.8–.50 10S–5.0 113E–2.0 10 4.0,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VIII 10 16 30 16.1–.60 9S–5.0 110E–2.0 10 3.9,3.9
¶621008124
ISC VIII 10 16 33 26.5–1.1 9.19S–.09 110.30E–.05 35 3.5b 50 1-71
IDC VIII 10 16 33 19.4–3.3 9.34S 110.04E 0 3.4b,3.4 ¶621008125
DJA VIII 10 16 33 27.1–.40 9S–4.0 110E–2.0 10 4.0,4.0
ISC Event type se.
ISC VIII 10 17 29 15.1–1.1 9.27S–.08 110.35E–.04 10 3.4b 53 1-67
IDC VIII 10 17 29 14.9–3.3 8.41S 111.11E 0 3.5s,3.4b ¶621008129
DJA VIII 10 17 29 16.8–.40 9S–4.0 110E–2.0 10 4.0,4.0
ISC Event type se.
ISC VIII 10 17 35 22.6–.59 9.33S–.05 110.38E–.04 10 4.1b 104 1-81
IDC VIII 10 17 35 21.3–.92 9.18S 110.44E 0 4.0b,3.9 ¶621008130
NEIC VIII 10 17 35 22.1–2.2 9.46S–.06 110.28E–.06 10–1 4.2b,3.9
DJA VIII 10 17 35 28.0–.30 9S–3.0 110E–1.0 10 4.9b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 03 25 29.3–.75 10.38S–.07 113.4E–.10 23 4.0b 17 2-76
IDC IX 09 03 25 25.1–2.6 10.76S 112.80E 0 3.9,3.8b ¶621105827
NEIC IX 09 03 25 27.4–1.4 10.59S–.03 113.1E–.10 10–1 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 10 40 31.4–1.2 9.09S–.06 109.82E–.04 46–13 3.8b 70 1-127
IDC VIII 13 10 40 27.9–1.2 8.42S 110.37E 0 4.1L,3.8 ¶621012124
NEIC VIII 13 10 40 30.4–2.1 9.10S–.06 109.77E–.04 35–2 4.0b,3.8
DJA VIII 13 10 40 31.3–.30 9S–3.0 110E–2.0 10 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 20 12 35.9–.54 11.12S–.06 111.25E–.05 10 4.1b 79 3-88
DJA VIII 31 20 12 32.5–1.9 11S–15 111E–9.0 10 5.7b,5.2 ¶621076636
IDC VIII 31 20 12 35.4–.92 11.11S 111.27E 0 3.9b,3.9
NEIC VIII 31 20 12 36.5–1.6 11.17S–.09 111.17E–.07 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 25 04 29 50.1–1.8 10.62S–.05 113.61E–.04 28–13 4.3b,3.6s 109 2-93
IDC VIII 25 04 29 46.9–.65 10.37S 113.63E 0 4.1b,4.1 ¶621058898
NEIC VIII 25 04 29 48.1–2.0 10.56S–.05 113.62E–.07 10–1 4.7b,4.1
DJA VIII 25 04 29 51.3–1.0 11S–6.0 114E–2.0 17–12 6.0b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 04 07 29 02.1–.39 9.43S–.05 113.06E–.05 48–3 4.7b,3.5s 198 1-154
IDC IX 04 07 28 55.7–.46 9.36S 113.04E 0 4.6L,4.4b ¶621030592
BJI IX 04 07 28 59.0 9.60S 113.00E 46 5.0b,4.8b
NEIC IX 04 07 29 02.6–1.1 9.41S–.09 113.07E–.06 51–7 4.9b,4.8b
GFZ IX 04 07 29 02.9–.25 9S–3.0 113E–2.0 63–3 4.8b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC IX 05 06 02 43.3–3.5 9.99S 112.59E 0 3.2b,3.2
¶621086385
IDC Error ellipse: s-maj=198.0km s-min=28.2km az=46.0.
ISC IX 24 19 50 47.8–1.3 10.89S–.10 110.89E–.07 35 3.4b 52 3-68
IDC IX 24 19 50 41.9–3.4 10.95S 110.95E 0 3.3b,3.3 ¶621126459
DJA IX 24 19 50 48.3–.50 11S–4.0 111E–2.0 10 4.7b,4.7b
ISC Event type se.
DJA IX 20 00 35 22.1–.30 9S–3.0 114E–2.0 10 4.0b,3.9
¶626358708
ISC IX 12 23 32 36.3–.59 11.20S–.07 112.38E–.06 10 4.2b 38 3-89
IDC IX 12 23 32 35.4–.96 11.16S 112.42E 0 4.0b,4.0 ¶621109686
NEIC IX 12 23 32 36.6–.82 11.20S–.06 112.37E–.08 10–1 4.5b,4.0
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 18 23 54.4–1.7 9.33S–.06 110.00E–.05 15–11 4.0b 60 1-71
DJA IX 23 18 23 59.5–.30 9S–3.0 110E–2.0 10 4.0,4.0 **¶621125869**
IDC IX 23 18 24 02.9–2.2 8.69S 110.66E 56–24 3.8,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=12.5km az=38.0.
ISC X 15 12 23 00.8–.98 10.9S–.10 113.12E–.06 22 3.9b 37 3-69
DJA X 15 12 22 57.2–.80 11S–5.0 113E–2.0 27–8 4.4,4.4 **¶621242061**
IDC X 15 12 22 58.1–1.8 10.76S 113.13E 0 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=81.5km s-min=14.5km az=47.0.
DJA X 12 12 27 21.7–.40 9S–3.0 110E–2.0 10 4.4b,4.1
¶626703656
IDC X 11 19 28 54.5–6.5 9.45S 106.90E 0 3.7b,3.7
¶621236902
IDC Error ellipse: s-maj=134.3km s-min=19.4km az=83.0.
ISC X 22 02 39 18.9–.35 9.13S–.05 110.48E–.05 51 4.4b,3.6s 241 1-155
GFZ X 22 02 39 14.2–.19 9S–2.0 110E–2.0 10 5.3b,5.0 **¶621236060**
NEIC X 22 02 39 17.3–2.5 9.06S–.06 110.43E–.07 30–2 4.5b,5.0
DJA X 22 02 39 20.2–.20 9S–3.0 110E–1.0 53–4 6.2b,5.9
IDC X 22 02 39 21.5–1.9 8.89S 110.62E 73–16 4.3,4.0b
ISC Event type se.
GFZ Error ellipse: s-maj=5.7km s-min=3.5km az=27.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.5km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=10.0km az=55.0.
ISC X 25 06 52 04.6–.69 9.31S–.04 107.82E–.04 11–4 5.0b,4.5s 525 2-154
BJI X 25 06 52 02.4 9.30S 107.80E 10 5.1b,5.0s **¶621238490**
IDC X 25 06 52 03.9–.40 9.13S 107.98E 0 4.8b,4.8
NEIC X 25 06 52 04.1–.88 9.31S–.04 107.82E–.03 10–1 5.1b,4.8
GFZ X 25 06 52 06.0–.15 9S–2.0 108E–2.0 10 5.4b,5.0b
DJA X 25 06 52 06.0–1.0 9S–2.0 108E–1.0 13–7 5.5b,5.2
GCMT X 25 06 52 11.3–.60 9.57S–.03 107.80E–.04 22–1 4.8W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110250652A. Moment Tensor Solution. s20,c24; s68,c78; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.68±.18 $M_{\theta\theta}$-1.86±.11; $M_{\phi\phi}$0.17±.11; $M_{r\theta}$1.23±.17; $M_{\theta\phi}$0.55±.08; $M_{\phi r}$-0.81±.22; Best double couple: NP1:ϕ_s269.00000°,δ28.00000°,λ65.00000°. NP2:ϕ_s117.00000°,δ65.00000°,λ103.00000°. Principal axes: T 2.2530,Plg68.0000°,Azm51.0000°; N 0.2160,Plg11.0000°,Azm292.0000°; P -2.4760,Plg19.0000°,Azm198.0000° M_o2.36400×10^{16}
ISC X 24 09 43 56.8–.49 9.63S–.05 108.04E–.05 10 4.2b 102 2-144
GFZ X 24 09 43 56.0–.34 10S–3.0 108E–3.0 10 5.2b,4.6 **¶621238086**
NEIC X 24 09 43 56.6–.96 9.65S–.06 108.03E–.06 10–1 4.3b,4.6
IDC X 24 09 43 57.0–.74 9.33S 108.38E 0 4.0b,4.0
DJA X 24 09 43 57.4–1.3 10S–12 108E–5.0 10 4.3,4.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 24 11 56 33.0–1.2 9.16S–.10 112.05E–.04 92–11 3.3b 44 1-67
IDC X 24 11 56 21.8–3.0 9.07S 111.86E 0 3.5b,3.5 **¶621366392**
DJA X 24 11 56 34.0–.40 9S–5.0 112E–2.0 60–14 3.8,3.8
ISC Event type se.
ISC XI 02 20 47 23.8–.95 10.54S–.08 108.03E–.08 13 3.7b 72 2-145
IDC XI 02 20 47 21.7–1.4 10.81S 107.84E 0 3.6L,3.6b **¶621401363**
DJA XI 02 20 47 24.5–1.1 11S–5.0 108E–3.0 23–14 5.2b,4.5
ISC Event type se.
DJA XI 01 19 19 22.5–.50 10S–6.0 112E–2.0 10 4.7b,4.0
¶626704976
ISC X 27 01 34 17.7–1.1 9.3S–.10 107.93E–.07 10 3.9b 46 2-65
DJA X 27 01 34 17.7–.70 9S–7.0 108E–4.0 10 5.2b,4.8b **¶626704702**
IDC X 27 01 34 22.9–1.1 7.45S 109.73E 0 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=15.3km az=31.0.
ISC XI 01 16 19 59.2–2.2 10.3S–.50 113.5E–.60 10 3.6b 7 8-63
IDC XI 01 16 19 56.9–2.4 10.57S 113.07E 0 3.7b,3.7 **¶621401278**
ISC Event type se.
IDC Error ellipse: s-maj=116.8km s-min=15.4km az=47.0.
ISC XI 09 08 01 01.0–1.4 8.37S–.04 106.83E–.03 13–9 4.0b 89 1-145
IDC XI 09 08 00 58.7–.70 8.43S 106.76E 0 4.8s,3.9b **¶621423142**
DJA XI 09 08 01 02.9–.30 8S–2.0 107E–2.0 10 4.2,4.2
NEIC XI 09 08 01 03.1–1.1 8.37S–.06 106.76E–.09 24–4 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 02 19 08 04.2–.90 9.81S–.06 112.82E–.04 35 3.8b 60 1-68
DJA XI 02 19 08 05.9–.30 10S–3.0 113E–2.0 10 4.2,4.2 **¶621401356**
IDC XI 02 19 08 09.7–9.6 10.12S 113.06E 112–96 3.6L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=75.9km s-min=25.0km az=49.0.
ISC XI 08 09 42 53.7–.73 9.10S–.07 110.47E–.05 51 3.7b 64 1-81
DJA XI 08 09 42 51.2–.30 9S–3.0 110E–2.0 10 5.1b,4.5 **¶621423093**
IDC XI 08 09 42 55.9–2.5 9.16S 110.49E 70–26 3.7,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=16.3km az=39.0.
DJA XI 14 08 37 22.4–.50 10S–4.0 113E–2.0 10 3.5,3.5
¶626705374
ISC XI 11 09 35 07.2–1.0 9.68S–.07 112.89E–.05 36 3.0b 44 1-63
IDC XI 11 09 35 02.5–3.0 8.96S 113.22E 0 3.9s,3.4L **¶621449520**
DJA XI 11 09 35 06.9–.40 10S–3.0 113E–2.0 10 3.8,3.8
ISC Event type se.
ISC XI 13 04 15 13.5–1.2 11.0S–.30 111.9E–.30 35 3.8b 8 15-79
IDC XI 13 04 15 09.2–2.9 10.83S 112.02E 0 3.7,3.6b **¶621468583**
ISC Event type se.
IDC Error ellipse: s-maj=136.6km s-min=17.9km az=44.0.
DJA XI 14 11 13 51.1–.50 9S–3.0 113E–1.0 36–14 4.0b,3.8
¶626705371
DJA XI 21 05 31 57.4–.40 9S–4.0 106E–4.0 10 4.2b,3.9
¶626705659
ISC XI 16 07 09 28.0–.84 9.25S–.08 110.75E–.05 35 3.8b 52 1-81
IDC XI 16 07 09 23.2–1.0 8.97S 111.00E 0 3.7b,3.7 **¶621475666**
DJA XI 16 07 09 28.2–.30 9S–3.0 111E–2.0 10 4.3b,4.1
ISC Event type se.
ISC XI 20 23 49 41.7–.63 9.01S–.04 106.04E–.05 10 4.1b 76 1-146
IDC XI 20 23 49 40.6–1.2 9.13S 105.82E 0 4.5L,3.9 **¶621590385**
NEIC XI 20 23 49 42.4–1.6 9.03S–.03 106.05E–.06 10–1 4.3b,3.9
DJA XI 20 23 49 42.2–.40 9S–3.0 106E–3.0 10 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XI 14 19 57 17.5–1.3 11S–8.0 112E–3.0 33–33 4.5b,3.8
¶626705364
ISC XII 02 22 16 39.1–.39 9.89S–.05 108.27E–.05 10 4.6b,3.4s 153 2-144
BJI XII 02 22 16 37.5 9.90S 108.20E 10 5.4b,4.6b **¶621611296**
NEIC XII 02 22 16 39.8–1.1 9.89S–.05 108.22E–.05 10–1 4.6b,4.6b
DJA XII 02 22 16 40.6–.40 10S–4.0 108E–2.0 10 5.6,5.5
IDC XII 02 22 16 44.4–4.3 9.67S 108.60E 35–31 4.1L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.2km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.4km s-min=12.3km az=46.0.
DJA XII 12 19 20 54.3–.40 9S–4.0 107E–3.0 10 4.5b,4.0
¶626706627
ISC XII 05 05 44 51.0–1.8 9.11S–.07 110.28E–.04 17–10 3.8b 49 1-71
DJA XII 05 05 44 54.5–.40 9S–3.0 110E–2.0 10 3.9,3.9 **¶621631229**
IDC XII 05 05 45 00.4–1.9 8.73S 110.52E 95–20 3.8,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=14.2km az=37.0.
ISC XII 09 23 07 37.1–.85 9.44S–.05 113.54E–.03 60–8 4.3b,3.2s 213 1-97
IDC XII 09 23 07 30.1–.76 9.16S 113.63E 0 4.3b,4.3 **¶621626208**
DJA XII 09 23 07 35.6–.40 9S–2.0 114E–1.0 12–3 5.0b,4.8b
NEIC XII 09 23 07 36.6–1.4 9.3S–.10 113.58E–.09 46–8 4.4b,4.8b
GFZ XII 09 23 07 37.3–.27 9S–4.0 114E–2.0 75–5 6.0,5.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC XII 15 16 35 54.4–3.5 9.04S 113.32E 0 3.5b,3.5
¶621654125
IDC Error ellipse: s-maj=205.2km s-min=27.7km az=53.0.
ISC XII 13 05 46 59.3–.35 9.47S–.04 113.70E–.04 58–3 4.9b,3.7s 439 1-165
IDC XII 13 05 46 52.1–.38 9.30S 113.68E 0 4.7b,4.7 **¶621627937**
NEIC XII 13 05 46 58.9–1.0 9.54S–.07 113.65E–.05 55–3 5.0b,4.7
DJA XII 13 05 46 59.7–.20 10S–3.0 114E–1.0 70–4 5.6b,5.3
GFZ XII 13 05 46 59.1–.20 10S–3.0 114E–2.0 66–2 5.5b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 22 01 50 48.3–.40 8.36S–.04 105.60E–.05 35 4.7b,3.3s 270 1-145
IDC XII 22 01 50 43.8–.58 8.30S 105.55E 0 4.5L,4.5 **¶621637442**
NEIC XII 22 01 50 44.4–1.3 8.37S–.05 105.52E–.06 10–1 4.7b,4.5
DJA XII 22 01 50 45.7–.30 8S–2.0 106E–2.0 10 5.4b,4.9b
GFZ XII 22 01 50 49.5–.25 8S–3.0 106E–2.0 36 5.3b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DJA XII 19 06 29 12.0–.40 9S–4.0 107E–3.0 10 4.1,4.0
¶626707137
DJA XII 27 12 45 22.6–.40 10S–3.0 114E–2.0 10 4.0,4.0
¶626707339
ISC XII 22 12 04 32.8–.52 11.37S–.06 111.92E–.06 10 4.4b 91 3-140
IDC XII 22 12 04 31.7–.80 11.20S 112.09E 0 4.2b,4.2 **¶621644241**
NEIC XII 22 12 04 32.4–1.4 11.42S–.07 111.86E–.04 10–1 4.5b,4.2
DJA XII 22 12 04 36.2–.60 11S–5.0 112E–3.0 10 5.0b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(283) Bali region.

DJA VIII 04 23 46 50.5–.20 8S–2.0 115E–1.0 10 4.9b,4.2
¶626187786
DJA VIII 05 15 28 27.0–.10 8S–1.0 115E–1.0 10 4.2b,3.9
¶626187884
ISC X 15 20 18 21.8–.60 8.33S–.03 115.47E–.02 11–3 5.1b,4.0s 757 0-159
BJI X 15 20 18 20.6 8.30S 115.40E 10 5.4b,5.0b **¶621204453**
IDC X 15 20 18 20.4–.36 8.25S 115.68E 0 4.9b,4.9
NEIC X 15 20 18 21.0–2.0 8.33S–.06 115.47E–.04 10–1 5.1b,4.7
GFZ X 15 20 18 23.0–.12 8S–2.0 115E–2.0 10 5.5b,5.1b
DJA X 15 20 18 23.6–.10 8S–1.0 115E–1.0 10 5.3b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 17 21 31 26.6–.62 8.28S–.07 115.38E–.04 185–5 3.8b 80 0-86
IDC XII 17 21 31 28.1–2.0 8.07S 115.35E 200–20 4.1,3.5b **¶621656956**
DJA XII 17 21 31 28.0–.30 8S–4.0 115E–1.0 173–2 4.8b,4.6b
ISC Event type se.
DJA XII 10 14 36 04.2–.30 9S–5.0 116E–1.0 99–3 3.7,3.7
¶626706596
ISC XII 28 10 22 34.2–1.2 8.7S–.10 114.57E–.04 116–8 3.2b 41 0-62
IDC XII 28 10 22 16.3–2.9 8.86S 113.71E 0 3.2b,3.2 **¶621717383**
DJA XII 28 10 22 35.3–.30 9S–6.0 115E–2.0 98–3 3.4,3.4
ISC Event type se.

(284) South of Bali.

ISC VII 01 09 40 56.0–1.7 9.46S–.06 114.01E–.03 9–11 3.7b 44 1-73
IDC VII 01 09 40 51.2–2.2 9.60S 113.58E 0 3.6b,3.6 **¶620927663**
DJA VII 01 09 40 59.7–.70 9S–3.0 114E–2.0 18–6 4.0,4.0
ISC Event type se.
DJA VII 03 21 35 09.8–.80 9S–4.0 115E–2.0 24–5 2.8,2.8
¶626066078
DJA VII 08 14 21 22.1–.50 10S–5.0 116E–2.0 10 3.9b,3.7
¶626066355
ISC VIII 21 23 58 32.4–.65 11.42S–.06 115.25E–.05 10 4.2b 84 3-77
NEIC VIII 21 23 58 33.1–1.9 11.40S–.08 115.28E–.10 10–1 4.2b **¶621043032**
DJA VIII 21 23 58 37.5–.30 11S–2.0 115E–2.0 10 4.4b,4.3
IDC VIII 21 23 58 44.4–3.6 10.98S 115.79E 88–29 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.7km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.6km s-min=9.8km az=43.0.
DJA XII 08 06 35 19.1–.40 9S–4.0 114E–2.0 10 3.6,3.4
¶626706556
DJA IX 21 05 44 12.9–.50 11S–4.0 114E–2.0 10 3.9b,3.9
¶626358753
ISC X 03 06 20 29.0–1.0 9.88S–.07 114.14E–.04 35 3.4b 44 1-91
IDC X 03 06 20 21.6–3.7 10.14S 113.64E 0 3.7L,3.4 **¶621186116**
DJA X 03 06 20 28.5–.40 10S–3.0 114E–2.0 10 3.8,3.8
ISC Event type se.
ISC XII 14 17 22 46.4–1.9 9.85S–.06 114.22E–.05 4–12 3.4b 39 1-63
IDC XII 14 17 22 46.9–2.5 9.76S 114.28E 0 3.4,3.3b **¶621652945**
DJA XII 14 17 22 50.2–.50 10S–4.0 114E–3.0 10 3.8,3.8
ISC Event type se.
ISC XII 14 21 29 19.7–.44 9.86S–.04 114.17E–.04 46–3 4.7b,4.3s 390 1-154
IDC XII 14 21 29 16.7–2.5 9.61S 114.21E 18–14 4.6L,4.5 **¶621630095**
BJI XII 14 21 29 16.0 9.80S 114.20E 34 5.3b,4.7b
GFZ XII 14 21 29 18.3 10.01S 114.11E 45 4.9W,4.7b
GFZ XII 14 21 29 18.3–.29 10S–3.0 114E–2.0 40–2 5.4,5.3L
DJA XII 14 21 29 19.9–.10 10S–2.0 114E–1.0 10 5.3,5.3b
NEIC XII 14 21 29 19.7–2.4 9.75S–.06 114.17E–.05 40–5 4.8b,5.3b
GCMT XII 14 21 29 21.5–.30 9.93S–.03 114.21E–.03 25–1 5.0W,5.3b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.15 $M_{\theta\theta}$-1.22 $M_{\phi\phi}$1.07 $M_{r\theta}$2.52 $M_{\theta\phi}$0.23 $M_{\phi r}$-0.26 NP1: ϕ_s96.06452°,δ82.32219°,λ90.37554°. NP2:ϕ_s273.25586°,δ7.68694°,λ87.21654°. Principal axes: T 2.0788,Plg52.6764°,Azm6.5025°; N 1.0973,Plg0.3722°,Azm276.0143°; P -3.1761,Plg37.3211°,Azm185.7306° M_o2.79400×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112142129A. Moment Tensor Solution. s22,c27; s77,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.19±.12 $M_{\theta\theta}$-1.41±.08; $M_{\phi\phi}$0.22±.10; $M_{r\theta}$4.01±.43; $M_{\theta\phi}$0.61±.07; $M_{\phi r}$0.18±.22; Best double couple: NP1:ϕ_s314.00000°,δ13.00000°

,λ135.00000°. NP2:ϕ_s88.00000°,δ81.00000°,λ81.00000°. Principal axes:
T 4.1710,Plg53.0000°,Azm348.0000°; N 0.1930,Plg9.0000°,Azm90.0000°
; P -4.3580,Plg36.0000°,Azm186.0000° $M_0$4.26400×10^{16}

ISC	**XII**	**14 16 07 44.0–1.4**	**9.84S–.05**	**114.23E–.04**	**27–10**	**4.2b,3.6s**	**166**	**1-149**
IDC	XII	14 16 07 40.0–.55	9.53S	114.34E	0	4.1L,4.0b		**¶621629978**
GFZ	XII	14 16 07 42.6–.23	10S–3.0	114E–2.0	10	4.9b,4.7		
DJA	XII	14 16 07 45.0–.30	10S–3.0	114E–1.0	10	4.9b,4.7		
NEIC	XII	14 16 07 46.0–.70	9.78S–.04	114.25E–.08	46–7	4.3b,4.7		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XII**	**14 21 38 00.4–1.6**	**9.86S–.09**	**114.12E–.04**	**47–18**	**3.8b**	**57**	**1-68**
IDC	XII	14 21 37 53.7–2.7	9.73S	113.93E	0	3.6b,3.6		**¶621652960**
DJA	XII	14 21 37 57.9–.30	10S–3.0	114E–2.0	10	4.3,4.2		
ISC	Event type se.							
ISC	**XII**	**14 21 41 32.8–1.3**	**9.79S–.09**	**114.21E–.05**	**35**	**3.1b**	**29**	**1-63**
IDC	XII	14 21 41 25.9–3.0	9.75S	113.90E	0	3.2,3.1b		**¶621652961**
DJA	XII	14 21 41 32.4–.50	10S–5.0	114E–3.0	10	4.5,4.4		
ISC	Event type se.							
DJA	**XII**	**15 09 54 36.0–.40**	**10S–3.0**	**114E–2.0**	**10**	**3.9,3.9b**		**¶626706882**
ISC	**XII**	**15 00 04 58.7–1.4**	**9.87S–.07**	**114.17E–.04**	**40–17**	**3.8b**	**55**	**1-68**
IDC	XII	15 00 04 49.7–7.8	10.89S	112.78E	0	3.7L,3.7b		**¶621654062**
DJA	XII	15 00 04 58.8–.30	10S–3.0	114E–2.0	10	4.6b,4.3		
ISC	Event type se.							
ISC	**XII**	**24 11 30 04.6–1.1**	**9.45S–.06**	**114.25E–.04**	**10**	**3.1b**	**41**	**1-63**
IDC	XII	24 11 29 57.3–2.9	9.77S	113.48E	0	3.2b,3.2		**¶621700081**
DJA	XII	24 11 30 06.8–.30	9S–3.0	114E–2.0	10	3.8,3.8		
ISC	Event type se.							
IDC	**XII**	**24 19 59 53.3–4.1**	**11.68S**	**114.21E**	**0**	**3.5,3.4b**		**¶621700103**
IDC	Error ellipse: s-maj=221.7km s-min=27.2km az=44.0.							
DJA	**XII**	**30 22 02 57.1–1.1**	**10S–7.0**	**116E–2.0**	**13–7**	**4.9b,4.3b**		**¶626707404**

(285) Sumbawa region.

DJA	**VII**	**04 17 28 03.6–.30**	**8S–13**	**116E–2.0**	**276–4**	**4.4b,3.8b**		**¶626066152**
ISC	**VII**	**15 11 47 36.8–.81**	**9.80S–.05**	**118.99E–.04**	**10**	**3.8b**	**32**	**1-70**
IDC	VII	15 11 47 35.7–1.1	9.66S	118.88E	0	3.9L,3.8		**¶620928640**
DJA	VII	15 11 47 37.9–.40	10S–4.0	119E–2.0	10	3.9,3.9		
ISC	Event type se.							
ISC	**VII**	**16 05 26 20.6–.61**	**8.16S–.05**	**117.37E–.04**	**35**	**4.2b**	**66**	**0-80**
NEIC	VII	16 05 26 17.3–1.9	8.29S–.07	117.38E–.05	10–1	4.5b		**¶620928689**
IDC	VII	16 05 26 17.2–1.0	7.86S	117.91E	0	4.0b,4.0		
DJA	VII	16 05 26 18.6–.30	8S–3.0	117E–2.0	39–7	4.4,4.4		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**19 03 35 25.7–.80**	**8.72S–.04**	**118.99E–.02**	**126–6**	**3.7b**	**97**	**0-69**
IDC	VII	19 03 35 24.2–3.4	8.74S	118.64E	125–28	3.7,3.2b		**¶620928855**
DJA	VII	19 03 35 28.4–.20	9S–2.0	119E–1.0	99–3	4.4b,4.3		
ISC	Event type se.							
DJA	**VIII**	**06 00 05 45.9–.30**	**9S–3.0**	**116E–1.0**	**10**	**4.6b,3.9b**		**¶626187964**
ISC	**VII**	**25 04 32 25.1–.57**	**8.66S–.04**	**118.38E–.02**	**130–5**	**4.0b**	**141**	**0-72**
GFZ	VII	25 04 32 25.4–.19	9S–3.0	118E–2.0	141–3	4.2b,4.1		**¶620845824**
IDC	VII	25 04 32 26.8–2.6	8.63S	118.48E	145–20	3.9,3.2b		
NEIC	VII	25 04 32 26.2–1.5	8.65S–.07	118.31E–.09	138–9	4.1b,3.2b		
DJA	VII	25 04 32 27.1–.20	9S–2.0	118E–1.0	113–3	5.1b,4.5		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
DJA	**VII**	**28 12 33 45.2–.20**	**9S–4.0**	**119E–1.0**	**67–8**	**4.3b,4.1**		**¶626067161**
DJA	**VII**	**23 19 53 27.5–.80**	**10S–3.0**	**118E–1.0**	**16–7**	**4.1b,4.0**		**¶626066968**
ISC	**IX**	**15 19 00 44.1–.97**	**8.29S–.04**	**117.19E–.02**	**16–6**	**4.2b,3.2s**	**142**	**0-155**
IDC	IX	15 19 00 42.2–.64	8.22S	117.27E	0	4.3L,4.1		**¶621112007**
NEIC	IX	15 19 00 44.0–1.6	8.30S–.07	117.17E–.06	10–1	4.4b,4.1		
DJA	IX	15 19 00 44.0–.20	8S–2.0	117E–1.0	12–2	5.0b,4.6b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**27 07 52 42.2–.77**	**9.31S–.05**	**118.53E–.04**	**111–7**	**3.8b**	**63**	**1-69**
IDC	VIII	27 07 52 42.5–3.1	9.23S	118.52E	106–25	3.8,3.4b		**¶621072129**
DJA	VIII	27 07 52 43.8–.20	9S–3.0	119E–1.0	94–4	6.5b,6.3		
ISC	Event type se.							
DJA	**VIII**	**22 21 18 47.9–.40**	**10S–4.0**	**117E–2.0**	**10**	**3.6b,3.6**		**¶626189073**
ISC	**VIII**	**23 17 48 14.8–.99**	**9.20S–.07**	**116.94E–.04**	**35**	**3.7b**	**34**	**0-68**
IDC	VIII	23 17 48 08.3–1.4	9.11S	116.84E	0	3.8L,3.5		**¶621049257**
DJA	VIII	23 17 48 14.5–.90	9S–7.0	117E–2.0	19–6	3.9,3.9		
ISC	Event type se.							
DJA	**VIII**	**15 17 53 39.6–.20**	**9S–3.0**	**118E–1.0**	**119–3**	**4.1,4.1**		**¶626188584**
DJA	**VIII**	**21 22 27 24.6–.30**	**9S–3.0**	**118E–1.0**	**58–5**	**3.6,3.6**		**¶626189004**
DJA	**IX**	**15 05 07 25.8–.30**	**8S–4.0**	**119E–1.0**	**188–3**	**4.6b,3.8**		**¶626358463**
ISC	**IX**	**16 10 57 11.3–1.0**	**8.22S–.04**	**117.22E–.02**	**15–7**	**3.8b**	**69**	**0-145**
IDC	IX	16 10 57 09.5–1.2	8.16S	117.25E	0	3.9L,3.9		**¶621112882**
DJA	IX	16 10 57 10.7–.20	8S–3.0	117E–1.0	10	4.0,4.0		
NEIC	IX	16 10 57 11.1–.97	8.23S–.07	117.18E–.05	10–1	4.2b,4.0		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**16 08 55 57.9–.92**	**8.27S–.04**	**117.21E–.03**	**19–3**	**4.2b,3.2s**	**84**	**0-155**
IDC	IX	16 08 55 55.9–.69	8.20S	117.42E	0	4.1,4.0b		**¶621112877**
NEIC	IX	16 08 55 57.0–1.0	8.30S–.08	117.21E–.05	10–1	4.4b,4.0b		
DJA	IX	16 08 55 57.7–.30	8S–3.0	117E–1.0	13–2	4.4,4.4		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
DJA	**IX**	**15 21 06 25.0–.20**	**9S–3.0**	**118E–1.0**	**113–3**	**4.2b,3.8**		**¶626358439**
ISC	**IX**	**16 11 39 00.3–.86**	**8.28S–.03**	**117.25E–.02**	**16–5**	**4.5b,3.5s**	**178**	**0-156**
IDC	IX	16 11 38 57.7–.47	8.15S	117.29E	0	4.3L,4.3		**¶621080775**
NEIC	IX	16 11 38 59.6–1.9	8.26S–.07	117.22E–.06	10–1	4.6b,4.3		
GFZ	IX	16 11 39 00.2–.14	8S–2.0	117E–2.0	10	5.7,5.5		
DJA	IX	16 11 39 00.2–.10	8S–2.0	117E–1.0	10	5.1b,5.0b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
ISC	**IX**	**23 02 07 23.4–.88**	**9.17S–.05**	**118.69E–.03**	**101–7**	**3.7b**	**53**	**1-69**
IDC	IX	23 02 07 12.8–2.4	8.84S	118.52E	0	3.7b,3.7		**¶621125824**
DJA	IX	23 02 07 25.1–.30	9S–2.0	119E–1.0	84–5	4.6b,4.3		
ISC	Event type se.							
ISC	**IX**	**17 08 54 31.3–1.3**	**8.16S–.05**	**116.53E–.03**	**14–10**		**30**	**0-56**
IDC	IX	17 08 54 28.4–2.1	7.99S	116.45E	0	3.7,3.6b		**¶621112947**
DJA	IX	17 08 54 32.6–.30	8S–3.0	117E–2.0	10–2	3.7,3.7		
ISC	Event type se.							
ISC	**IX**	**20 03 13 54.5–.92**	**8.59S–.06**	**118.39E–.03**	**133–6**		**43**	**0-64**
IDC	IX	20 03 13 38.8–3.1	8.17S	118.34E	0	3.7L,3.3		**¶621115977**
DJA	IX	20 03 13 56.1–.30	9S–4.0	118E–1.0	114–4	3.8,3.8		
ISC	Event type se.							
ISC	**IX**	**16 16 09 03.2–.86**	**8.29S–.04**	**117.24E–.02**	**17–5**	**4.0b,3.4s**	**92**	**0-145**
IDC	IX	16 16 09 01.7–.88	8.23S	117.41E	0	3.9,3.8L		**¶621112898**
NEIC	IX	16 16 09 02.7–1.7	8.36S–.08	117.22E–.08	10–1	4.4b,3.8L		
DJA	IX	16 16 09 03.7–.10	8S–2.0	117E–1.0	10	4.2,4.1		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
DJA	**X**	**11 19 36 14.9–.20**	**9S–3.0**	**118E–1.0**	**113–3**	**3.7,3.7**		**¶626703588**
ISC	**X**	**01 11 15 48.0–.51**	**8.20S–.03**	**118.11E–.04**	**9–3**	**5.0b,4.0s**	**427**	**1-162**
IDC	X	01 11 15 46.4–.44	8.07S	118.23E	0	4.7b,4.7		**¶621115398**
NEIC	X	01 11 15 47.9–1.2	8.18S–.06	118.08E–.06	10–1	5.0b,4.7		
DJA	X	01 11 15 49.7–.40	8S–1.0	118E–1.0	13–3	5.5b,5.3		
GFZ	X	01 11 15 49.0–.24	8S–2.0	118E–2.0	11–1	5.9b,5.5		
GFZ	X	01 11 15 49.0	8.18S	118.11E	11	4.9W,5.5		
GCMT	X	01 11 15 50.9–.20	8.14S–.01	117.97E–.03	15–1	4.9W,5.5		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.64 $M_{\theta\theta}$-1.66 $M_{\phi\phi}$0.02 $M_{r\theta}$-2.31 $M_{\theta r}$-0.53 $M_{\phi r}$-0.68 NP1: ϕ_s74.25550°,δ17.78957°,λ90.56954°. NP2:ϕ_s253.65737°,δ72.21134°,λ89.81726°. Principal axes: T 2.8805,Plg62.7882°,Azm163.3748°; N 0.1693,Plg0.1740°,Azm253.7132° ; P -3.0498,Plg27.2111°,Azm343.8027° $M_0$2.96880×10^{16}							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110011115A. Moment Tensor Solution. s38,c41; s92,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.98±.12 $M_{\theta\theta}$-2.24±.08; $M_{\phi\phi}$0.26±.09; $M_{r\theta}$-0.85±.15; $M_{\theta\phi}$0.13±.06; $M_{\phi r}$-1.18±.24; Best double couple: NP1:ϕ_s116.00000°,δ40.00000° ,λ131.00000°. NP2:ϕ_s247.00000°,δ61.00000°,λ61.00000°. Principal axes: T 2.7150,Plg62.0000°,Azm111.0000°; N -0.3050,Plg25.0000°,Azm262.0000° ; P -2.4090,Plg12.0000°,Azm358.0000° $M_0$2.56200×10^{16}							
DJA	**IX**	**27 11 24 05.7–.70**	**9S–4.0**	**118E–2.0**	**29–6**	**3.8,3.8**		**¶626359020**
DJA	**X**	**01 14 02 53.7–.30**	**9S–6.0**	**117E–2.0**	**47–6**	**4.6b,4.3b**		**¶626702875**
ISC	**X**	**03 11 37 46.4–.90**	**8.18S–.04**	**118.11E–.03**	**35**		**45**	**0-57**
IDC	X	03 11 37 43.5–2.1	8.06S	118.35E	0	3.5L,3.5b		**¶621186129**
DJA	X	03 11 37 45.2–.40	8S–3.0	118E–2.0	25–4	4.0,3.8		
ISC	Event type se.							
ISC	**X**	**05 11 00 25.2–.40**	**8.14S–.04**	**118.08E–.03**	**10**	**4.1b,3.3s**	**109**	**0-155**
IDC	X	05 11 00 23.8–.58	8.05S	118.17E	0	4.1L,4.1b		**¶621125893**
NEIC	X	05 11 00 25.5–1.0	8.13S–.07	118.08E–.06	10–1	4.2b,4.1b		
DJA	X	05 11 00 27.1–.40	8S–2.0	118E–2.0	19–4	4.8b,4.6b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**10 20 31 51.6–1.8**	**9.58S–.04**	**118.57E–.02**	**17–12**	**3.7b**	**78**	**1-80**
IDC	X	10 20 31 48.0–1.0	9.50S	118.42E	0	3.7L,3.7		**¶621235404**
DJA	X	10 20 31 52.9–.40	10S–2.0	119E–1.0	13–3	5.1b,4.7b		
ISC	Event type se.							
ISC	**X**	**12 20 25 46.3–.80**	**9.69S–.06**	**118.57E–.04**	**48**	**3.8b**	**83**	**1-70**
DJA	X	12 20 25 49.0–1.1	10S–3.0	119E–1.0	25–12	4.5b,4.4		**¶621236970**
IDC	X	12 20 25 50.4–2.9	9.57S	119.15E	111–24	3.6,3.4b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=36.6km s-min=10.0km az=59.0.							
DJA	**X**	**12 20 29 44.5–.80**	**10S–3.0**	**119E–1.0**	**25–8**	**3.9,3.8**		**¶626703646**
ISC	**XII**	**06 04 03 30.4–1.0**	**8.79S–.03**	**118.34E–.02**	**10–7**	**4.3b,3.3s**	**173**	**0-118**
IDC	XII	06 04 03 29.2–.70	8.70S	118.34E	0	4.2L,4.2		**¶621613034**
GFZ	XII	06 04 03 30.7–.17	9S–3.0	118E–2.0	10	4.9b,4.8b		
NEIC	XII	06 04 03 31.2–1.6	8.70S–.07	118.38E–.06	10–1	4.4b,4.8b		
DJA	XII	06 04 03 31.6–.10	9S–2.0	118E–1.0	10	5.1b,5.0b		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
DJA	**X**	**16 23 42 53.1–.30**	**10S–3.0**	**118E–2.0**	**10**	**4.5b,4.1b**		**¶626703911**
ISC	**X**	**23 14 58 14.6–.43**	**9.73S–.04**	**118.98E–.03**	**46**	**4.2b**	**117**	**1-90**
IDC	X	23 14 58 09.3–.61	9.56S	118.84E	0	4.1L,4.1b		**¶621309379**
NEIC	X	23 14 58 14.1–2.0	9.71S–.08	118.89E–.07	37–8	4.3b,4.1b		
DJA	X	23 14 58 14.0–.20	10S–2.0	119E–1.0	10	5.0b,4.9b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XI**	**05 13 17 23.0–.74**	**9.64S–.04**	**117.56E–.03**	**64–7**	**4.1b**	**111**	**1-89**
NEIC	XI	05 13 17 23.8–.93	9.66S–.08	117.48E–.06	74–10	4.1b		**¶621370647**
IDC	XI	05 13 17 25.4–3.0	9.49S	117.48E	74–26	4.0,3.7b		
DJA	XI	05 13 17 25.1–.60	10S–3.0	118E–1.0	20–5	4.5,4.5		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XI**	**12 01 50 56.5–1.5**	**9.56S–.07**	**117.77E–.03**	**17–10**		**32**	**1-64**
IDC	XI	12 01 50 53.5–2.0	9.49S	117.74E	0	3.9s,3.6L		**¶621460192**
DJA	XI	12 01 51 01.6–.80	9S–6.0	118E–2.0	33–10	4.3,4.3		
ISC	Event type se.							
ISC	**X**	**20 09 21 11.9–.74**	**8.19S–.03**	**116.85E–.02**	**16–4**	**4.7b,3.5s**	**209**	**0-155**
IDC	X	20 09 21 09.3–.53	8.10S	116.93E	0	4.3b,4.3		**¶621224463**
BJI	X	20 09 21 10.1	8.28S	117.24E	12	5.1b,4.6b		
NEIC	X	20 09 21 11.5–1.6	8.26S–.07	116.79E–.06	10–1	4.8b,4.6b		
DJA	X	20 09 21 11.7–.10	8S–2.0	117E–1.0	10	5.1b,5.0b		
GFZ	X	20 09 21 13.1–.14	8S–2.0	117E–2.0	20	5.6b,5.1		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
ISC	**X**	**23 00 32 17.6–1.1**	**8.28S–.04**	**118.05E–.02**	**19–3**		**48**	**0-97**
IDC	X	23 00 32 16.5–2.0	8.06S	118.17E	0	4.1s,3.7b		**¶621309353**
DJA	X	23 00 32 17.0–.20	8S–2.0	118E–1.0	10	3.6,3.6		
ISC	Event type se.							
ISC	**XI**	**05 00 03 16.2–.83**	**8.75S–.05**	**118.98E–.03**	**122–6**		**48**	**0-64**
IDC	XI	05 00 03 15.3–3.6	8.77S	118.95E	103–32	3.6,3.1b		**¶621413951**
DJA	XI	05 00 03 17.6–.30	9S–3.0	119E–1.0	109–3	3.8,3.8		
ISC	Event type se.							
DJA	**XI**	**08 02 35 33.0–.20**	**9S–4.0**	**118E–1.0**	**78–5**	**5.1b,4.4b**		**¶626705227**
ISC	**X**	**18 00 48 55.4–.47**	**9.99S–.05**	**118.15E–.04**	**10**	**4.2b**	**62**	**1-98**
NEIC	X	18 00 48 56.5–1.2	9.73S–.09	118.18E–.04	10–1	4.3b		**¶621244005**
IDC	X	18 00 48 58.5–.98	9.46S	118.32E	0	3.8b,3.8		
DJA	X	18 00 49 01.3–.70	10S–7.0	118E–2.0	10	4.8b,4.7b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**23 01 16 11.8–.96**	**9.51S–.05**	**118.53E–.03**	**10**		**53**	**1-69**
IDC	X	23 01 16 06.7–1.5	9.51S	118.27E	0	3.7L,3.6		**¶621309354**
DJA	X	23 01 16 13.6–.20	9S–2.0	119E–1.0	10	4.9b,4.7b		
ISC	Event type se.							
DJA	**XI**	**02 09 15 13.2–.30**	**9S–3.0**	**119E–1.0**	**116–3**	**3.7,3.7**		**¶626705004**
ISC	**XI**	**14 04 54 15.0–.57**	**8.64S–.04**	**118.39E–.04**	**135–5**	**4.1b**	**194**	**0-77**
IDC	XI	14 04 54 14.9–2.8	8.56S	118.28E	133–24	4.3,3.7b		**¶621402884**
GFZ	XI	14 04 54 15.0–.17	9S–2.0	118E–2.0	136–2	5.2b,4.7		
NEIC	XI	14 04 54 15.7–2.5	8.57S–.08	118.35E–.07	137–9	4.1b,4.7		
DJA	XI	14 04 54 16.0–.20	9S–2.0	118E–1.0	117–2	5.0b,4.6		
ISC	Event type se.							

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 10 27 33.3–1.1**	**9.43S–.08**	**117.21E–.04**	**87**		**30**	**1-64**	
IDC	XII	07 10 27 22.4–1.9	9.37S	116.71E	0	3.7L,3.4			**¶621632659**
DJA	XII	07 10 27 33.9–.40	10S–6.0	117E–2.0	46–22	3.8,3.7			

ISC Event type se.

ISC	**XII**	**06 02 39 53.9–.41**	**8.78S–.03**	**118.35E–.03**	**10**	**4.4b,4.0s**	**144**	**0-118**	
IDC	XII	06 02 39 52.6–.69	8.72S	118.51E	0	4.1L,4.1			**¶621613047**
GFZ	XII	06 02 39 53.7–.18	9S–3.0	118E–2.0	10	5.1b,4.9			
NEIC	XII	06 02 39 54.3–1.9	8.71S–.05	118.34E–.07	10–1	4.5b,4.9			
DJA	XII	06 02 39 55.1–.10	9S–2.0	118E–1.0	10	5.2b,5.0			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**10 22 06 41.8–1.7**	**9.4S–.20**	**118.8E–.10**	**35**	**3.8b**	**7**	**5-69**	
IDC	XII	10 22 06 37.7–1.4	9.14S	118.58E	0	3.6,3.5L			**¶621644150**

ISC Event type se.
IDC Error ellipse: s-maj=51.6km s-min=16.4km az=48.0.

DJA	**XII**	**08 15 12 20.2–.60**	**9S–3.0**	**118E–1.0**	**21–5**	**3.6,3.6**			
									¶626706548
ISC	**XII**	**15 16 12 41.9–.86**	**8.33S–.03**	**116.95E–.02**	**16–5**	**4.4b,3.5s**	**201**	**0-82**	
IDC	XII	15 16 12 39.5–.70	8.21S	117.05E	0	4.1L,4.0b			**¶621630758**
GFZ	XII	15 16 12 41.2–.20	8S–3.0	117E–2.0	10	5.6,5.4			
NEIC	XII	15 16 12 41.2–2.4	8.34S–.08	116.92E–.06	10–1	4.5b,5.4			
DJA	XII	15 16 12 42.0–.10	8S–1.0	117E–1.0	10	5.3b,4.8			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DJA	**XII**	**14 20 31 17.6–.20**	**10S–3.0**	**119E–1.0**	**10**	**4.3b,3.9**			
									¶626706673
ISC	**XII**	**20 02 12 08.3–.57**	**8.41S–.04**	**118.41E–.03**	**167–5**	**4.2b**	**224**	**0-155**	
IDC	XII	20 02 12 08.3–1.6	8.26S	118.36E	168–12	4.3,3.7b			**¶621633820**
NEIC	XII	20 02 12 08.0–2.0	8.41S–.07	118.32E–.07	155–1	4.4b,3.7b			
GFZ	XII	20 02 12 08.6–.17	8S–3.0	118E–2.0	164	4.8b,4.3b			
DJA	XII	20 02 12 09.5–.20	8S–2.0	118E–1.0	153–3	5.4b,4.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**19 15 49 55.1–.78**	**8.22S–.03**	**116.48E–.02**	**15–5**	**4.3b**	**135**	**0-88**	
IDC	XII	19 15 49 53.2–1.1	8.14S	116.60E	0	4.0L,3.9			**¶621657086**
NEIC	XII	19 15 49 55.0–1.9	8.29S–.08	116.38E–.06	12–5	4.6b,3.9			
DJA	XII	19 15 49 55.3–.20	8S–2.0	116E–1.0	11–2	4.5b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DJA	**XII**	**19 14 33 55.0–.40**	**10S–3.0**	**119E–2.0**	**18–4**	**4.0b,3.8**			
									¶626707126
ISC	**XII**	**23 10 20 02.9–.82**	**8.05S–.04**	**118.93E–.04**	**34**	**4.0b**	**33**	**1-99**	
IDC	XII	23 10 19 57.6–1.2	8.02S	118.86E	0	4.0b,3.8			**¶621686820**
DJA	XII	23 10 20 00.7–.20	8S–3.0	119E–2.0	10	3.7,3.6			

ISC Event type se.

ISC	**XII**	**22 02 54 54.8–.94**	**8.39S–.04**	**117.53E–.02**	**34–2**	**4.2b**	**98**	**0-68**	
NEIC	XII	22 02 54 52.4–1.8	8.36S–.08	117.48E–.06	10–1	4.6b			**¶621686738**
DJA	XII	22 02 54 54.4–.20	8S–2.0	118E–1.0	11–2	4.6b,4.5			
IDC	XII	22 02 54 57.2–2.5	8.33S	117.61E	57–20	4.3L,4.1			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.6km az=359.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=10.4km az=58.0.

DJA	**XII**	**23 07 44 19.2–.20**	**8S–2.0**	**116E–2.0**	**10**	**3.8,3.8**			
									¶626707251
ISC	**XII**	**22 00 46 37.3–.81**	**8.35S–.04**	**117.12E–.02**	**24–6**	**3.8b**	**68**	**0-145**	
IDC	XII	22 00 46 34.6–1.2	8.15S	117.12E	0	3.9,3.8b			**¶621686734**
NEIC	XII	22 00 46 35.8–1.4	8.31S–.08	117.05E–.04	10–1	4.0b,3.8b			
DJA	XII	22 00 46 36.6–.20	8S–2.0	117E–1.0	10	4.0,3.9			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**23 15 29 29.7–1.0**	**8.01S–.04**	**118.89E–.04**	**35**		**33**	**1-64**	
IDC	XII	23 15 29 25.8–2.6	7.50S	119.50E	0	3.6L,3.3b			**¶621686831**
DJA	XII	23 15 29 27.5–.20	8S–2.0	119E–2.0	10	3.4,3.3			

ISC Event type se.

ISC	**XII**	**23 10 44 54.1–.92**	**8.13S–.04**	**118.87E–.04**	**35**		**24**	**0-64**	
IDC	XII	23 10 44 48.7–1.9	8.12S	118.58E	0	3.4,3.3b			**¶621686821**
DJA	XII	23 10 44 52.2–.60	8S–4.0	119E–2.0	12–5	3.4,3.3			

ISC Event type se.

ISC	**XII**	**26 16 10 06.5–.39**	**8.73S–.04**	**118.39E–.03**	**152**	**4.2b**	**162**	**0-114**	
GFZ	XII	26 16 10 04.3–.19	9S–3.0	118E–2.0	130–3	5.2b,4.5			**¶621653672**
DJA	XII	26 16 10 05.9–.20	9S–2.0	118E–1.0	116–3	5.2b,4.6			
NEIC	XII	26 16 10 05.3–1.5	8.67S–.08	118.33E–.06	123–7	4.5b,4.6			
IDC	XII	26 16 10 07.5–2.1	8.60S	118.56E	154–18	3.9,3.4b			

ISC Event type se.
GFZ Error ellipse: s-maj=6.8km s-min=4.3km az=3.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.0km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.9km s-min=9.1km az=64.0.

ISC	**XII**	**25 18 26 18.8–1.2**	**8.04S–.03**	**118.88E–.03**	**29–9**	**4.4b**	**134**	**0-96**	
IDC	XII	25 18 26 16.4–.89	7.85S	118.94E	0	3.8b,3.8			**¶621700166**
NEIC	XII	25 18 26 16.9–1.9	8.03S–.06	118.84E–.07	10–1	4.6b,3.8			
DJA	XII	25 18 26 18.7–.40	8S–1.0	119E–1.0	17–3	4.7b,4.6b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DJA	**XII**	**30 14 20 43.6–.30**	**9S–5.0**	**116E–1.0**	**79–4**	**4.0b,3.6**			
									¶626707418

(286) Flores region.

ISC	**VII**	**02 11 42 31.2–.58**	**8.37S–.05**	**119.75E–.03**	**168–5**	**4.4b**	**84**	**0-82**	
NEIC	VII	02 11 42 31.0–.80	8.44S–.06	119.69E–.07	156–7	4.3b			**¶620927746**
DJA	VII	02 11 42 31.8–.30	8S–3.0	120E–1.0	157–3	3.7,3.7			
IDC	VII	02 11 42 35.9–2.3	8.92S	119.56E	189–31	4.1,3.9b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.0km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.6km s-min=25.3km az=65.0.

ISC	**VII**	**09 05 34 57.3–.75**	**8.29S–.04**	**121.26E–.03**	**10**		**43**	**0-75**	
IDC	VII	09 05 34 55.5–1.2	7.34S	122.51E	0	3.7b,3.7			**¶620928226**
DJA	VII	09 05 34 59.3–.20	8S–2.0	121E–1.0	10	4.6b,4.1			

ISC Event type se.

DJA	**VII**	**11 08 19 48.9–.30**	**9S–3.0**	**122E–2.0**	**98–3**	**4.0b,3.7**			
									¶626066446
IDC	**VII**	**11 12 49 51.6–5.8**	**8.32S**	**120.11E**	**232–46**	**3.3,2.8b**			
									¶620928425

IDC Error ellipse: s-maj=207.5km s-min=17.5km az=58.0.

ISC	**VII**	**16 08 04 31.9–.51**	**8.28S–.04**	**120.16E–.05**	**200**	**4.2b**	**142**	**0-93**	
GFZ	VII	16 08 04 30.5–.32	8S–3.0	120E–2.0	196–6	4.6b,4.5			**¶620831718**
NEIC	VII	16 08 04 31.9–2.0	8.17S–.08	120.07E–.09	195–9	4.4b,4.5			
IDC	VII	16 08 04 32.3–1.7	8.10S	120.21E	201–17	4.3,3.6b			
DJA	VII	16 08 04 33.0–.20	8S–2.0	120E–2.0	164–4	5.1b,4.4			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**21 18 59 19.6–.76**	**8.48S–.04**	**120.61E–.03**	**174–5**	**3.7b**	**58**	**0-82**	
DJA	VII	21 18 59 21.4–.30	8S–2.0	121E–2.0	154–3	3.4,3.4			**¶620961678**
IDC	VII	21 18 59 21.3–1.3	8.22S	120.94E	191–13	3.9,3.5b			

ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=7.9km az=55.0.

ISC	**VII**	**22 21 43 36.0–.84**	**8.26S–.05**	**119.67E–.04**	**177–6**		**47**	**0-64**	
IDC	VII	22 21 43 36.7–2.3	8.18S	119.59E	190–22	3.5,2.9b			**¶620967853**
DJA	VII	22 21 43 37.2–.30	8S–3.0	120E–2.0	164–3	4.0b,3.6			

ISC Event type se.

ISC	**VII**	**30 17 35 22.1–.69**	**8.98S–.04**	**122.56E–.03**	**103–6**		**77**	**0-66**	
IDC	VII	30 17 35 22.6–2.0	9.12S	122.29E	107–24	3.9,3.4b			**¶620986081**
NEIC	VII	30 17 35 22.1–2.8	9.00S–.05	122.42E–.07	106–7	4.3b,3.4b			
DJA	VII	30 17 35 25.5–.20	9S–2.0	123E–1.0	74–4	4.6b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**12 00 58 38.2–.62**	**8.67S–.04**	**123.16E–.04**	**154–5**	**4.2b**	**95**	**0-81**	
IDC	VIII	12 00 58 37.4–1.2	8.54S	123.04E	144–11	4.2,3.7b			**¶621009372**
NEIC	VIII	12 00 58 38.6–.84	8.59S–.09	123.09E–.06	153–7	4.4b,3.7b			
DJA	VIII	12 00 58 39.8–.30	9S–2.0	123E–2.0	137–3	5.0b,4.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**05 22 22 49.0–1.8**	**8.96S**	**121.65E**	**0**	**3.4,3.3b**			
									¶620998835

IDC Error ellipse: s-maj=99.1km s-min=20.2km az=62.0.

ISC	**VIII**	**13 04 14 10.3–.85**	**8.33S–.05**	**119.74E–.04**	**179–6**		**47**	**0-31**	
DJA	VIII	13 04 14 12.2–.30	8S–3.0	120E–2.0	163–3	3.7,3.7			**¶621012015**
IDC	VIII	13 04 14 12.1–2.1	8.30S	119.92E	177–18	4.1,3.4b			

ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=16.2km az=51.0.

ISC	**VIII**	**17 05 15 06.4–.90**	**8.24S–.07**	**120.89E–.05**	**200**		**33**	**0-70**	
DJA	VIII	17 05 15 07.8–.60	8S–5.0	121E–3.0	192–7	3.4,3.4			**¶621030233**
IDC	VIII	17 05 15 08.4–2.9	8.08S	121.23E	214–23	3.9,3.4b			

ISC Event type se.
IDC Error ellipse: s-maj=53.1km s-min=21.5km az=68.0.

IDC	**VIII**	**15 15 44 45.4–3.7**	**8.57S**	**121.14E**	**154–24**	**3.7,3.5b**			
									¶621023623

IDC Error ellipse: s-maj=88.5km s-min=30.6km az=39.0.

ISC	**VIII**	**20 20 26 21.1–.52**	**8.40S–.04**	**119.97E–.04**	**200**	**4.0b**	**106**	**0-78**	
NEIC	VIII	20 20 26 20.0–2.2	8.40S–.05	119.87E–.07	172–9	4.1b			**¶621041309**
DJA	VIII	20 20 26 22.3–.30	8S–3.0	120E–2.0	182–5	4.2b,4.2b			
IDC	VIII	20 20 26 22.6–1.5	8.16S	120.30E	206–13	4.2,3.6s			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.8km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.0km s-min=7.9km az=54.0.

ISC	**VIII**	**29 08 10 26.6–.78**	**8.37S–.06**	**119.74E–.04**	**149–6**	**3.5b**	**30**	**0-92**	
IDC	VIII	29 08 10 09.4–1.4	8.30S	119.32E	0	3.8L,3.7b			**¶621073162**
DJA	VIII	29 08 10 27.7–.40	8S–3.0	120E–2.0	136–4	3.3,3.3			

ISC Event type se.

ISC	**VIII**	**28 14 25 18.9–.93**	**8.25S–.07**	**119.87E–.04**	**194–6**		**36**	**0-64**	
IDC	VIII	28 14 25 20.4–2.0	7.84S	120.40E	203–15	3.4,2.7b			**¶621073114**
DJA	VIII	28 14 25 20.8–.50	8S–4.0	120E–2.0	175–4	3.0,3.0			

ISC Event type se.

ISC	**VIII**	**27 21 30 23.1–.79**	**8.77S–.05**	**120.52E–.04**	**121–7**		**53**	**0-30**	
NEIC	VIII	27 21 30 23.1–2.0	8.8S–.10	120.5E–.10	118–14	4.1b			**¶621072179**
IDC	VIII	27 21 30 23.4–2.9	8.77S	120.60E	110–38	3.8b,3.8			
DJA	VIII	27 21 30 24.8–.30	9S–3.0	121E–2.0	106–4	5.5b,4.9			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DJA	**IX**	**22 15 15 10.5–.40**	**9S–4.0**	**123E–2.0**	**148–4**	**4.3b,3.9**			
									¶626358785
ISC	**IX**	**12 13 10 03.1–.42**	**8.32S–.03**	**119.50E–.03**	**164–4**	**4.6b**	**339**	**0-154**	
NEIC	IX	12 13 10 02.7–2.2	8.27S–.06	119.42E–.06	153–6	4.6b			**¶621070687**
GFZ	IX	12 13 10 03.5–.12	8S–2.0	119E–2.0	161	5.0b,4.6b			
GFZ	IX	12 13 10 04.0	8.30S	119.49E	155	4.5W,4.6b			
IDC	IX	12 13 10 04.7–.62	8.13S	119.80E	177–5	4.6,3.9b			
DJA	IX	12 13 10 04.5–.20	8S–2.0	119E–1.0	142–3	5.0b,4.9			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.41 $M_{\theta\theta}$1.04 $M_{\phi\phi}$-2.46 $M_{r\theta}$-6.15 $M_{\theta\phi}$3.68 $M_{\phi r}$1.27 NP1: ϕ_s286.94753°,δ83.67545°,λ57.53177°. NP2:ϕ_s187.12536°,δ33.01221°,λ168.33457°. Principal axes: T 7.6750,Plg42.1321°,Azm166.1595°; N -0.1931,Plg32.2466°,Azm290.9571° ; P -7.4819,Plg31.0010°,Azm43.2338° $M_0$7.58032×10^{15}

ISC	**IX**	**06 02 34 50.2–.85**	**8.2S–.10**	**122.7E–.20**	**10**	**4.0b**	**14**	**2-88**	
IDC	IX	06 02 34 50.6–.83	8.16S	122.28E	0	3.8b,3.8			**¶621094222**

ISC Event type se.
IDC Error ellipse: s-maj=59.8km s-min=10.1km az=59.0.

ISC	**IX**	**07 01 53 44.2–.49**	**8.68S–.06**	**120.60E–.06**	**150**	**4.4b**	**64**	**2-154**	
NEIC	IX	07 01 53 43.1–1.8	8.71S–.09	120.45E–.08	126–2	4.6b			**¶621039489**
IDC	IX	07 01 53 45.8–1.4	8.28S	121.08E	152–12	4.4,4.0s			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.6km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.0km s-min=7.3km az=55.0.

ISC	**IX**	**18 21 50 03.9–.59**	**8.36S–.05**	**122.06E–.04**	**208–5**	**4.0b**	**90**	**0-82**	
IDC	IX	18 21 50 03.8–1.1	8.25S	122.22E	206–9	4.0,3.5b			**¶621113594**
NEIC	IX	18 21 50 04.0–.70	8.22S–.09	122.03E–.08	207–5	4.3b,3.5b			
DJA	IX	18 21 50 05.7–.30	8S–3.0	122E–2.0	193–3	3.8,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**28 09 57 46.0–.84**	**8.31S–.05**	**119.65E–.03**	**171–6**	**4.5b**	**61**	**0-79**	
DJA	IX	28 09 57 47.0–.30	8S–2.0	120E–1.0	156–3	3.5,3.5			**¶621140824**
NEIC	IX	28 09 57 50.8–.58	8.83S–.10	119.78E–.09	152–15	4.3b,3.5			
IDC	IX	28 09 57 54.0–6.0	8.92S	119.69E	199–55	4.0,3.5b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=11.4km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=129.3km s-min=38.7km az=42.0.

IDC	**X**	**29 00 30 07.7–2.0**	**8.46S**	**123.74E**	**0**	**3.7L,3.6b**			
									¶621391411

IDC Error ellipse: s-maj=220.6km s-min=25.5km az=55.0.

ISC	**IX**	**28 22 41 30.7–.83**	**8.17S–.07**	**123.98E–.05**	**169–6**	**3.4b**	**40**	**0-76**	
IDC	IX	28 22 41 29.9–2.9	8.04S	123.94E	156–30	3.8,3.2b			**¶621140850**
DJA	IX	28 22 41 32.1–.60	8S–4.0	124E–3.0	153–4	4.0,4.0			

ISC Event type se.

ISC	**X**	**08 07 39 17.1–1.0**	**8.97S–.05**	**123.82E–.04**	**87–10**		**31**	**1-28**	
IDC	X	08 07 39 09.1–4.8	9.05S	123.61E	0	4.1b,3.5			**¶621224637**
DJA	X	08 07 39 16.5–.40	9S–2.0	124E–2.0	80–5	3.0,3.0			

ISC Event type se.

ISC	**X**	**17 07 22 05.2–.69**	**8.79S–.06**	**119.01E–.04**	**148–6**	**3.8b**	**42**	**0-69**	
DJA	X	17 07 22 06.6–.40	9S–7.0	119E–2.0	133–5	3.7,3.7			**¶621242874**
IDC	X	17 07 22 07.5–2.5	8.83S	118.85E	176–21	3.8,3.2b			

ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=9.4km az=53.0.

ISC X 06 21 49 32.0–.90 8.36S–.05 119.83E–.05 178–6 39 0-64
DJA X 06 21 49 33.7–.30 8S–3.0 120E–2.0 160–4 3.5,3.5 **¶621217172**
IDC X 06 21 49 35.4–2.0 8.09S 120.18E 210–21 3.4,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=66.1km s-min=13.4km az=54.0.
ISC X 07 05 13 00.5–.29 8.30S–.03 119.57E–.04 180–2 4.8b 465 0-154
NEIC X 07 05 12 60.0–1.1 8.25S–.06 119.55E–.07 174–3 4.9b **¶621126667**
GFZ X 07 05 13 01.4–.15 8S–2.0 120E–2.0 184–2 5.2b,4.9b
IDC X 07 05 13 01.9–.52 8.19S 119.74E 190–4 4.9,4.3b
DJA X 07 05 13 02.1–.10 8S–2.0 120E–1.0 164–3 5.4b,5.2
GCMT X 07 05 13 03.0–.40 8.46S–.03 119.49E–.03 195–5 5.0W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110070513A. Moment Tensor Solution. s12,c13; s83,c99; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.04±.16 $M_{\theta\theta}$1.14±.19; $M_{\phi\phi}$-2.18±.21; $M_{r\theta}$-1.94±.12; $M_{\theta\phi}$2.19±.15; $M_{\phi r}$-0.40±.16; Best double couple: NP1:ϕ_s192.00000°,δ59.00000°,λ158.00000°. NP2:ϕ_s294.00000°,δ71.00000°,λ33.00000°. Principal axes: T 3.6520,Plg37.0000°,Azm157.0000°; N -0.3150,Plg52.0000°,Azm321.0000°; P -3.3370,Plg8.0000°,Azm61.0000° M_o3.49400×10^{16}
IDC XI 02 07 13 25.4–1.8 8.63S 123.84E 0 3.5b,3.4L
¶621401331
IDC Error ellipse: s-maj=70.8km s-min=22.2km az=61.0.
DJA XI 03 12 21 43.3–.20 9S–2.0 119E–1.0 31–3 5.2b,4.6
¶626705024
ISC XI 17 21 28 08.5–.78 8.52S–.05 122.51E–.03 153–6 4.2b 76 0-93
NEIC XI 17 21 28 09.3–2.1 8.7S–.20 122.31E–.10 148–5 4.3b **¶621494233**
IDC XI 17 21 28 09.4–1.8 8.70S 122.30E 143–16 4.1,3.6b
DJA XI 17 21 28 10.2–.30 9S–2.0 122E–1.0 135–3 3.5,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 12 15 52 56.8–4.1 8.63S 120.40E 196–23 3.7b,3.6
¶621460215
IDC Error ellipse: s-maj=57.5km s-min=37.2km az=32.0.
ISC XI 05 13 00 37.9–.74 8.96S–.05 119.24E–.03 114–5 3.9b 57 0-119
IDC XI 05 13 00 37.5–2.6 8.95S 119.19E 112–21 3.7,3.5b **¶621413975**
DJA XI 05 13 00 39.9–.30 9S–3.0 119E–1.0 90–3 4.2,4.2
ISC Event type se.
ISC XI 13 01 31 16.1–.95 8.20S–.09 123.86E–.08 150 4.1b 29 2-82
IDC XI 13 01 31 16.2–5.2 8.05S 124.10E 156–60 4.0,3.3b **¶621468573**
NEIC XI 13 01 31 17.8–1.7 8.1S–.10 123.8E–.10 158–9 4.2b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XI 15 13 10 54.6–.40 9S–3.0 124E–2.0 95–4 3.6b,3.4
¶626705469
ISC XI 19 08 14 17.2–.37 8.10S–.04 122.69E–.05 226 4.5b 205 0-154
GFZ XI 19 08 14 16.9–.28 8S–4.0 123E–4.0 216–3 4.5b,4.5 **¶621416418**
NEIC XI 19 08 14 16.8–2.0 8.10S–.08 122.62E–.09 215–6 4.5b,4.5
IDC XI 19 08 14 16.6–.76 8.06S 122.80E 217–7 4.5,3.8b
DJA XI 19 08 14 16.7–.30 8S–2.0 123E–2.0 214–4 4.8b,4.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 24 09 51 27.7–.68 8.25S–.04 119.70E–.04 172–6 76 0-82
NEIC XI 24 09 51 28.6–1.1 8.1S–.10 119.7E–.10 184–9 4.2b **¶621613970**
DJA XI 24 09 51 29.3–.20 8S–2.0 120E–2.0 154–3 5.3b,4.7
IDC XI 24 09 51 29.9–2.1 8.10S 119.96E 190–26 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=12.6km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.4km s-min=25.4km az=55.0.
ISC XI 26 13 51 09.1–.45 8.27S–.04 119.67E–.04 170 4.1b 239 0-82
NEIC XI 26 13 51 08.2–1.4 8.17S–.08 119.62E–.05 168–9 4.2b **¶621475711**
IDC XI 26 13 51 09.9–1.3 8.12S 119.67E 181–13 4.2,3.4b
GFZ XI 26 13 51 10.0–.29 8S–4.0 120E–4.0 169–4 4.5b,4.4b
DJA XI 26 13 51 09.7–.10 8S–2.0 120E–1.0 172–3 4.9b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 25 14 41 44.6–.94 8.92S–.05 123.82E–.04 102–8 49 1-67
IDC XI 25 14 41 34.0–1.7 8.37S 123.70E 0 4.2L,4.0 **¶621618712**
DJA XI 25 14 41 46.9–.30 9S–3.0 124E–2.0 77–4 5.0b,4.3
ISC Event type se.
ISC XI 25 09 58 20.5–.99 8.23S–.08 120.10E–.07 176–7 24 0-64
IDC XI 25 09 58 01.0–2.1 7.67S 120.26E 0 3.6b,3.6 **¶621618689**
DJA XI 25 09 58 23.0–.60 8S–5.0 120E–4.0 155–4 2.7,2.7
ISC Event type se.
ISC XI 29 05 28 27.2–.94 8.40S–.05 119.92E–.05 170–6 38 0-31
DJA XI 29 05 28 29.0–.40 8S–3.0 120E–2.0 153–4 3.4,3.4 **¶621626951**
IDC XI 29 05 28 32.7–3.4 8.68S 120.22E 170–23 3.9,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=64.0km s-min=34.4km az=49.0.
ISC XI 30 17 30 55.1–1.1 8.2S–.20 120.0E–.20 200 10 3-64
IDC XI 30 17 30 56.1–1.7 7.96S 120.26E 211–15 3.6,3.1b **¶621627076**
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=11.6km az=51.0.
ISC XII 06 18 10 12.5–1.1 8.84S–.06 119.09E–.04 111–10 33 0-64
IDC XII 06 18 10 10.0–5.6 8.84S 118.92E 96–56 3.5,3.3L **¶621632611**
DJA XII 06 18 10 13.8–.40 9S–4.0 119E–2.0 92–7 4.2b,3.8
ISC Event type se.
ISC XII 06 02 21 34.5–.87 8.20S–.05 119.79E–.05 198–6 36 0-69
DJA XII 06 02 21 37.6–.50 8S–3.0 120E–3.0 172–5 3.5,3.5 **¶621632564**
IDC XII 06 02 21 38.5–2.1 7.91S 119.99E 233–18 3.5,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=68.5km s-min=11.7km az=54.0.
ISC XII 05 05 51 13.2–.57 8.87S–.05 123.95E–.05 100 4.2b 47 1-81
IDC XII 05 05 51 04.7–1.7 8.24S 123.99E 0 4.1L,4.0 **¶621631230**
NEIC XII 05 05 51 14.6–1.1 8.92S–.08 123.92E–.06 109–8 4.2b,4.0
DJA XII 05 05 51 17.1–.40 9S–5.0 124E–2.0 64–8 3.7,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 14 18 03.7–1.0 8.49S–.05 121.16E–.04 193–7 52 0-65
IDC XII 08 14 17 44.5–1.8 6.77S 122.50E 0 3.8L,3.3 **¶626706549**
DJA XII 08 14 18 05.4–.30 8S–2.0 121E–2.0 177–3 4.4b,3.9
ISC Event type se.
ISC XII 16 13 23 43.6–.54 8.36S–.04 119.54E–.04 176–5 4.8b 129 0-88
NEIC XII 16 13 23 43.9–2.0 8.37S–.08 119.45E–.06 173–7 4.9b **¶621655782**
DJA XII 16 13 23 46.5–.20 8S–2.0 120E–1.0 153–3 4.9b,4.5
IDC XII 16 13 23 46.9–2.0 8.12S 119.74E 190–16 4.4,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.1km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.5km s-min=8.2km az=57.0.
ISC XII 15 12 50 40.7–.99 8.26S–.04 121.47E–.02 21–4 41 0-30
IDC XII 15 12 50 39.3–9.8 9.31S 120.31E 0 4.1b,3.4 **¶621654109**
DJA XII 15 12 50 40.5–.20 8S–2.0 121E–1.0 10 3.5,3.4
ISC Event type se.
DJA XII 12 14 04 36.3–.20 9S–4.0 122E–1.0 10 3.3,3.3
¶636152231

ISC XII 14 08 58 02.6–.59 8.35S–.05 119.62E–.04 184–5 4.2b 112 0-77
IDC XII 14 08 58 00.5–2.7 8.22S 119.47E 157–28 4.3,3.8b **¶621652905**
NEIC XII 14 08 58 02.2–2.3 8.16S–.08 119.63E–.07 170–9 4.2b,3.8b
DJA XII 14 08 58 04.8–.30 8S–3.0 120E–1.0 163–3 5.3b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 03 19 19.0–.84 8.05S–.03 120.41E–.04 10 26 1-64
IDC XII 17 03 19 18.1–2.4 7.72S 120.94E 0 3.4b,3.4 **¶621656910**
DJA XII 17 03 19 19.8–.20 8S–2.0 120E–2.0 10 3.7,3.6
ISC Event type se.
ISC XII 20 22 11 24.7–1.0 8.28S–.07 119.69E–.05 170 27 0-64
IDC XII 20 22 11 05.2–3.0 8.25S 119.07E 0 3.3L,3.0b **¶621685648**
DJA XII 20 22 11 25.8–.50 8S–4.0 120E–3.0 160–6 3.0,3.0
ISC Event type se.
ISC XII 18 20 27 32.1–1.1 8.01S–.03 122.39E–.02 13–7 4.9s,4.5b 192 1-85
IDC XII 18 20 27 30.8–.54 7.74S 122.90E 0 4.3s,4.1 **¶621633602**
NEIC XII 18 20 27 32.5–1.3 7.99S–.04 122.34E–.07 13–5 4.7b,4.1
DJA XII 18 20 27 34.1–.30 8S–1.0 122E–1.0 21–3 5.2,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 19 22 46 07.8–2.4 8.16S 122.07E 0 3.2b,3.1L
¶621657110
IDC Error ellipse: s-maj=283.6km s-min=30.6km az=54.0.

(287) Sumba region.

ISC VII 07 00 38 02.6–.24 9.44S–.03 119.70E–.03 50 4.9b,3.4s 480 1-153
BJI VII 07 00 38 05.8 9.40S 119.70E 85 5.1b,5.0b **¶620757330**
GFZ VII 07 00 38 06.5–.25 9S–2.0 120E–2.0 81–2 5.0b,4.8
NEIC VII 07 00 38 06.3–2.6 9.40S–.07 119.68E–.06 82–5 4.9b,4.8
DJA VII 07 00 38 06.6–.10 10S–1.0 120E–1.0 85–2 5.5b,5.3
GCMT VII 07 00 38 07.8–.40 9.46S–.03 119.77E–.03 56–3 4.8W,5.3
IDC VII 07 00 38 07.1–1.5 9.25S 119.75E 89–13 4.7,4.3b
ISC Event type se.
GFZ Error ellipse: s-maj=5.7km s-min=4.6km az=50.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.8km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107070038A. Moment Tensor Solution. s14,c16; s69,c87; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.20±.17 $M_{\theta\theta}$1.79±.13; $M_{\phi\phi}$-0.58±.16; $M_{r\theta}$1.01±.07; $M_{\theta\phi}$0.30±.08; $M_{\phi r}$-0.15±.07; Best double couple: NP1:ϕ_s64.00000°,δ31.00000°,λ-119.00000°. NP2:ϕ_s276.00000°,δ63.00000°,λ-74.00000°. Principal axes: T 2.1220,Plg17.0000°,Azm355.0000°; N -0.5530,Plg14.0000°,Azm89.0000°; P -1.5640,Plg68.0000°,Azm218.0000° M_o1.84300×10^{16}
IDC Error ellipse: s-maj=16.1km s-min=9.0km az=75.0.
DJA VII 12 14 40 49.6–1.3 10S–4.0 119E–2.0 20–13 3.9,3.9
¶626066526
ISC VII 13 00 48 59.1–.78 9.46S–.04 120.27E–.03 83–6 3.9b 66 0-81
IDC VII 13 00 48 58.4–2.9 9.47S 120.21E 75–27 3.9,3.7b **¶620928512**
DJA VII 13 00 49 00.7–.20 9S–2.0 120E–1.0 60–4 4.5b,4.2
ISC Event type se.
ISC VII 22 07 54 33.6–1.1 9.55S–.07 119.07E–.04 46 36 1-65
DJA VII 22 07 54 30.7–.30 10S–4.0 119E–2.0 10 4.1,4.1 **¶620967815**
IDC VII 22 07 54 50.2–3.4 10.98S 119.72E 0 3.5b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=235.1km s-min=31.5km az=48.0.
DJA VII 22 22 27 25.1–.40 10S–4.0 119E–2.0 10 3.6,3.6
¶626066913
ISC VIII 03 19 44 32.0–.27 9.20S–.03 119.33E–.03 86–2 4.9b 656 1-154
BJI VIII 03 19 44 30.2 9.30S 119.30E 90 4.9b,4.9b **¶620965842**
GFZ VIII 03 19 44 32.5–.13 9S–2.0 119E–1.0 82 5.1b,4.9
NEIC VIII 03 19 44 32.2–2.5 9.17S–.06 119.25E–.05 82–6 5.0b,4.9
DJA VIII 03 19 44 32.4–.10 9S–1.0 119E–1.0 83–2 5.7,5.5b
GCMT VIII 03 19 44 33.0–.30 9.25S–.02 119.44E–.03 83–6 4.8W,5.5b
IDC VIII 03 19 44 34.1–1.2 9.10S 119.57E 105–10 4.8,4.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.2km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108031944A. Moment Tensor Solution. s9,c10; s81,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.76±.11 $M_{\theta\theta}$-0.06±.10; $M_{\phi\phi}$-0.70±.12; $M_{r\theta}$-1.25±.04; $M_{\theta\phi}$0.59±.08; $M_{\phi r}$0.81±.07; Best double couple: NP1:ϕ_s176.00000°,δ21.00000°,λ138.00000°. NP2:ϕ_s306.00000°,δ76.00000°,λ74.00000°. Principal axes: T 1.7120,Plg56.0000°,Azm195.0000°; N 0.0920,Plg16.0000°,Azm310.0000°; P -1.8040,Plg29.0000°,Azm49.0000° M_o1.75800×10^{16}
IDC Error ellipse: s-maj=13.8km s-min=6.9km az=65.0.
ISC VIII 13 03 16 59.6–.89 10.41S–.07 119.37E–.05 35 3.8b 29 1-70
IDC VIII 13 03 16 55.7–1.6 9.70S 119.81E 0 3.8L,3.7b **¶621011997**
DJA VIII 13 03 17 00.5–1.5 10S–12 119E–3.0 29–25 4.9b,4.8b
ISC Event type se.
ISC VIII 06 04 47 59.5–.90 9.88S–.04 119.54E–.03 73–9 3.9b 111 1-119
DJA VIII 06 04 47 58.2–.40 10S–2.0 120E–1.0 11–3 5.3b,4.7 **¶620998855**
NEIC VIII 06 04 47 58.4–1.3 10.0S–.10 119.35E–.04 62–11 4.0b,4.7
IDC VIII 06 04 48 00.2–3.3 9.81S 119.49E 76–30 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=5.5km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.8km s-min=12.0km az=59.0.
ISC IX 09 06 55 11.1–.53 9.80S–.06 120.71E–.05 100 4.1b 37 2-86
NEIC IX 09 06 55 11.4–1.1 9.77S–.06 120.67E–.06 91–9 4.2b **¶621105854**
IDC IX 09 06 55 27.6–5.2 9.51S 121.68E 252–51 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.9km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=106.8km s-min=12.8km az=55.0.
DJA VIII 15 05 14 43.2–.20 10S–3.0 120E–1.0 52–15 4.2b,4.0
¶626188588
ISC VIII 22 15 02 12.2–1.5 9.70S–.05 119.01E–.03 15–10 3.7b 60 1-71
IDC VIII 22 15 02 09.9–1.4 9.61S 118.99E 0 3.8,3.7L **¶621043101**
DJA VIII 22 15 02 13.0–.20 10S–2.0 119E–1.0 10 4.2b,4.0
ISC Event type se.
ISC VIII 28 10 41 18.9–.62 9.73S–.04 120.22E–.03 73–6 4.6b 291 0-153
IDC VIII 28 10 41 09.9–.52 9.62S 119.92E 0 4.6L,4.4 **¶621009798**
NEIC VIII 28 10 41 18.4–1.3 9.80S–.07 120.14E–.07 69–7 4.6b,4.4
DJA VIII 28 10 41 19.5–.10 10S–1.0 120E–1.0 74–2 5.4b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 05 10 20 09.1–6.5 9.20S 120.29E 225–56 3.5,3.4b
¶621203169
IDC Error ellipse: s-maj=107.6km s-min=50.5km az=46.0.
ISC IX 16 13 38 36.2–.78 9.92S–.06 119.26E–.04 10 3.9b 48 1-80
IDC IX 16 13 38 32.9–1.1 9.92S 119.04E 0 4.0,3.8L **¶621112892**
DJA IX 16 13 38 37.7–.50 10S–4.0 119E–2.0 11–4 4.4,4.4
ISC Event type se.
ISC IX 24 05 22 25.4–.57 9.04S–.04 119.23E–.03 131–5 4.2b 130 0-97
GFZ IX 24 05 22 24.2–.23 9S–4.0 119E–2.0 126–5 5.2b,4.6 **¶621109279**
NEIC IX 24 05 22 25.3–1.7 9.08S–.09 119.13E–.08 114–10 4.1b,4.6
IDC IX 24 05 22 26.4–2.8 8.98S 119.26E 131–23 4.1,3.7b
DJA IX 24 05 22 26.5–.20 9S–2.0 119E–1.0 115–3 5.5b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 18 13 27.2–.85 9.80S–.05 120.87E–.04 84–9 49 1-70
IDC X 01 18 13 29.1–2.6 9.77S 120.91E 94–25 3.7,3.6b ¶621147842
DJA X 01 18 13 29.8–.30 10S–3.0 121E–2.0 54–7 3.5,3.3L
ISC Event type se.
DJA X 10 04 59 54.7–.50 10S–3.0 119E–2.0 13–4 4.3b,4.1
¶626703538
DJA X 09 20 22 22.0–.30 10S–3.0 119E–2.0 10 5.9b,5.5
¶626703458
DJA X 10 07 28 15.0–.40 10S–3.0 119E–1.0 10 4.3b,4.0
¶626703535
ISC X 30 16 34 33.0–.92 9.86S–.05 119.62E–.04 35 46 0-65
IDC X 30 16 34 27.4–2.0 9.05S 120.18E 0 3.5b,3.2 ¶621395185
DJA X 30 16 34 36.6–.30 10S–3.0 120E–2.0 46–7 4.0b,3.8
ISC Event type se.
DJA X 10 14 43 02.3–.30 9S–2.0 119E–1.0 31–3 4.1,3.9
¶626703520
DJA XI 10 22 10 35.1–.30 9S–3.0 119E–2.0 64–5 3.9,3.9
¶626705265
ISC XI 01 15 30 04.3–.83 10.35S–.06 119.25E–.04 35 3.6b 40 1-70
IDC XI 01 15 30 00.3–1.3 10.19S 118.94E 0 3.5b,3.5 ¶621401275
DJA XI 01 15 30 04.4–.40 10S–3.0 119E–2.0 10 3.7,3.7
ISC Event type se.
DJA XI 02 22 42 27.4–.40 10S–3.0 119E–1.0 34–7 5.7b,5.2
¶626704995
DJA XII 04 02 45 38.7–.50 9S–5.0 120E–3.0 54–7 5.4b,4.8
¶626706479
IDC XI 13 16 34 52.6–3.4 10.33S 119.07E 0 3.6b,3.2L
¶621468609
IDC Error ellipse: s-maj=268.2km s-min=29.0km az=49.0.
ISC XI 28 18 23 19.7–.99 9.53S–.06 119.16E–.04 62–8 35 0-70
IDC XI 28 18 23 11.3–3.2 9.33S 119.08E 0 3.6b,3.5 ¶621625186
DJA XI 28 18 23 20.8–.30 10S–4.0 119E–2.0 36–5 3.7,3.7
ISC Event type se.
DJA XI 30 19 56 01.8–.40 9S–2.0 119E–1.0 18–4 5.5b,5.2
¶626706397
DJA XI 17 16 55 38.3–.20 9S–2.0 119E–1.0 69–4 3.7,3.7
¶626705585
ISC XII 12 18 22 23.1–.37 10.57S–.04 120.43E–.03 31 4.4b 133 0-88
NEIC XII 12 18 22 25.2–2.1 10.57S–.06 120.36E–.07 50–6 4.5b ¶621650528
DJA XII 12 18 22 26.1–.60 10S–4.0 120E–2.0 16–4 4.8b,4.7b
IDC XII 12 18 22 30.1–3.7 10.52S 120.55E 85–34 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.5km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.9km s-min=12.8km az=76.0.
ISC XII 12 18 46 33.5–.45 10.70S–.05 120.57E–.04 31 4.4b 85 0-88
IDC XII 12 18 46 32.2–.87 10.43S 120.19E 0 4.1b,4.1 ¶621650531
NEIC XII 12 18 46 35.7–2.5 10.63S–.06 120.39E–.02 35–2 4.6b,4.1
DJA XII 12 18 46 38.4–.60 10S–4.0 120E–2.0 16–4 4.7b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 19 34 26.5–1.1 10.52S–.04 120.39E–.03 18–4 4.7b,4.0s 336 0-152
BJI XII 12 19 34 16.4 11.27S 120.97E 10 5.1b,4.8b ¶621627913
IDC XII 12 19 34 24.2–.42 10.22S 120.58E 0 4.6b,4.6
GFZ XII 12 19 34 25.9–.14 11S–2.0 120E–2.0 10 5.3b,4.8b
NEIC XII 12 19 34 25.6–1.9 10.52S–.06 120.31E–.03 10–1 4.9b,4.8b
DJA XII 12 19 34 29.6–.40 10S–3.0 120E–1.0 16–3 5.2b,5.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 19 42 21.8–.43 10.71S–.04 120.49E–.04 35 4.4b 80 0-152
IDC XII 12 19 42 20.4–.91 10.48S 120.10E 0 4.1b,4.1 ¶621650537
NEIC XII 12 19 42 22.0–2.2 10.67S–.04 120.45E–.06 35–2 4.5b,4.1
DJA XII 12 19 42 26.4–.50 10S–3.0 120E–2.0 16–3 4.7b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 12 55 41.8–1.1 9.70S–.05 119.33E–.04 48–12 39 0-65
IDC XII 16 12 55 40.2–3.6 9.72S 119.23E 72–38 3.8L,3.6 ¶621655781
DJA XII 16 12 55 43.2–.40 10S–3.0 119E–2.0 36–6 4.4b,4.1
ISC Event type se.
ISC XII 14 03 14 27.2–.79 9.67S–.04 119.41E–.04 15–5 4.1b 71 0-78
IDC XII 14 03 14 25.8–1.1 9.43S 119.45E 0 4.0b,4.0 ¶621652859
DJA XII 14 03 14 27.8–.30 10S–3.0 119E–2.0 10 4.2,4.1
NEIC XII 14 03 14 30.7–1.4 9.65S–.03 119.40E–.06 43–11 4.1b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 10 27 46.4–1.1 9.65S–.05 119.38E–.03 12–7 41 0-65
IDC XII 15 10 27 44.5–2.0 9.60S 119.35E 0 3.4L,3.4b ¶621654099
DJA XII 15 10 27 47.4–.20 10S–2.0 119E–2.0 10 3.9,3.8
ISC Event type se.
ISC XII 17 17 41 02.1–.77 9.27S–.03 120.17E–.02 68–7 3.7b 76 0-65
IDC XII 17 17 41 01.1–3.0 9.30S 120.11E 70–30 3.7,3.3b ¶621656940
DJA XII 17 17 41 04.1–.20 9S–2.0 120E–1.0 37–4 4.3b,3.9
ISC Event type se.
IDC XII 22 10 31 18.0–2.2 10.36S 119.16E 0 3.7b,3.6s
¶621686764
IDC Error ellipse: s-maj=184.6km s-min=18.9km az=53.0.

(288) Savu Sea.

ISC VII 03 23 17 26.3–.93 9.76S–.04 121.89E–.04 10 32 1-66
IDC VII 03 23 17 22.5–1.4 9.95S 121.47E 0 3.9b,3.5 ¶620927840
DJA VII 03 23 17 27.5–.20 10S–2.0 122E–2.0 10 4.2b,3.8
ISC Event type se.
ISC VII 05 21 44 55.9–.77 9.87S–.03 121.83E–.03 44–8 4.3b,3.3s 227 1-152
GFZ VII 05 21 44 55.8–.23 10S–2.0 122E–2.0 54–4 4.6b,4.4 ¶620734242
NEIC VII 05 21 44 56.1–2.0 9.83S–.04 121.80E–.04 34–4 4.5b,4.4
DJA VII 05 21 44 58.2–.50 10S–2.0 122E–1.0 31–8 5.1b,4.9b
IDC VII 05 21 45 00.3–2.3 9.71S 121.97E 83–20 4.2,3.8b
ISC Event type se.
GFZ Error ellipse: s-maj=5.0km s-min=4.0km az=15.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.1km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.8km s-min=13.2km az=63.0.
ISC VII 10 03 49 55.5–.92 9.39S–.06 122.43E–.04 100 37 1-66
IDC VII 10 03 49 55.6–2.9 9.30S 122.38E 122–28 4.1,3.7b ¶620928321
DJA VII 10 03 49 58.0–.50 9S–4.0 122E–3.0 110–8 4.7b,4.1b
ISC Event type se.
ISC VII 21 00 42 11.2–.70 9.31S–.03 122.08E–.03 71–7 4.0b 102 1-81
NEIC VII 21 00 42 10.2–2.5 9.39S–.06 122.1E–.10 74–8 4.4b ¶620961617
IDC VII 21 00 42 12.1–1.2 9.08S 122.48E 93–11 4.1,3.7b
DJA VII 21 00 42 13.8–.30 9S–2.0 122E–1.0 36–5 5.0b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 06 21 56.6–.62 9.26S–.07 121.44E–.07 150 3.9b 36 1-81
IDC IX 02 06 21 55.7–2.7 9.30S 121.18E 121–27 3.9,3.6b ¶621080661
NEIC IX 02 06 21 55.5–1.7 9.21S–.08 121.25E–.08 122–9 4.0b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 06 30 34.9–.58 10.04S–.06 121.60E–.04 10 4.1b 51 1-71
IDC VIII 29 06 30 34.6–1.1 9.73S 121.35E 0 4.2b,3.8 ¶621073157
NEIC VIII 29 06 30 38.9–1.1 9.89S–.07 121.55E–.08 43–8 4.0b,3.8
DJA VIII 29 06 30 42.1–.30 10S–4.0 122E–2.0 10 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 14 31 45.5–1.0 9.70S–.04 121.89E–.04 57–14 32 1-66
IDC IX 23 14 31 37.6–2.6 9.53S 121.61E 0 3.5b,3.1 ¶621125861
DJA IX 23 14 31 44.7–.20 10S–2.0 122E–2.0 10 4.0b,3.6
ISC Event type se.
ISC IX 22 05 21 01.6–.62 9.59S–.03 121.26E–.03 105–6 4.5b 174 1-121
GFZ IX 22 05 21 01.8–.20 10S–2.0 121E–3.0 111–3 6.1b,5.8 ¶621094781
NEIC IX 22 05 21 02.0–2.2 9.54S–.06 121.15E–.07 98–7 4.4b,5.8
DJA IX 22 05 21 03.6–.20 10S–2.0 121E–1.0 90–4 5.5b,5.0
IDC IX 22 05 21 04.9–1.4 9.38S 121.47E 133–13 4.4,4.0b
ISC Event type se.
GFZ Error ellipse: s-maj=5.7km s-min=5.2km az=51.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.6km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.9km s-min=8.4km az=59.0.
ISC IX 30 08 44 38.0–.59 9.36S–.05 121.85E–.05 81 4.2b 50 1-81
NEIC IX 30 08 44 38.1–1.8 9.30S–.07 121.83E–.07 81–9 4.1b ¶621147755
DJA IX 30 08 44 40.6–.90 9S–5.0 122E–3.0 32–14 3.9,3.9
IDC IX 30 08 44 41.8–1.9 9.26S 121.93E 106–18 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.6km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.2km s-min=10.2km az=52.0.
ISC XII 16 21 57 52.2–1.1 9.46S–.04 122.79E–.04 10 28 1-70
IDC XII 16 21 57 46.1–1.7 9.32S 122.43E 0 3.4b,3.3L ¶621655810
DJA XII 16 21 57 53.0–.60 9S–3.0 123E–2.0 13–6 3.5,3.5
ISC Event type se.
ISC X 29 11 35 08.5–.55 9.52S–.04 121.44E–.04 74–5 4.5b 166 1-119
NEIC X 29 11 35 08.5–1.5 9.48S–.07 121.33E–.08 73–7 4.4b ¶621243491
GFZ X 29 11 35 09.6–.32 10S–3.0 121E–3.0 79–4 4.8b,4.7L
IDC X 29 11 35 09.0–.80 9.18S 121.65E 79–6 4.4,4.0b
DJA X 29 11 35 10.2–.90 10S–2.0 121E–1.0 30–13 5.3b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 11 03 09 54.8–.32 9.01S–.04 122.50E–.04 102–2 4.7b 316 0-154
BJI X 11 03 09 47.3 9.72S 122.91E 100 4.8b ¶621144621
GFZ X 11 03 09 54.4–.17 9S–2.0 122E–2.0 110 5.6,5.5
NEIC X 11 03 09 54.5–1.5 9.03S–.04 122.39E–.07 98–4 4.8b,5.5
IDC X 11 03 09 55.6–.73 8.86S 122.57E 104–6 4.7,4.3b
DJA X 11 03 09 56.4–.20 9S–2.0 123E–1.0 61–4 5.3b,5.1b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 18 46 57.0–1.2 9.64S–.05 121.84E–.04 35 31 1-66
IDC XII 28 18 46 49.4–2.5 9.93S 121.23E 0 3.7L,3.6 ¶621717410
DJA XII 28 18 46 56.7–.50 10S–3.0 122E–2.0 11–5 3.6,3.6
ISC Event type se.

(289) Timor region.

ISC VII 01 19 19 16.8–.51 10.17S–.04 123.70E–.03 48–5 4.3b,3.5s 164 0-153
IDC VII 01 19 19 16.0–1.1 9.95S 123.78E 35–8 4.5L,4.2 ¶620714063
NEIC VII 01 19 19 17.5–2.2 10.11S–.07 123.64E–.04 55–1 4.4b,4.2
DJA VII 01 19 19 18.6–.30 10S–4.0 124E–2.0 24–6 5.1b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 02 10 05 50.2–.74 8.81S–.05 124.22E–.04 104–7 4.2b 56 0-81
DJA VII 02 10 05 51.5–.40 9S–3.0 124E–3.0 84–6 4.1b,3.8 ¶620927742
NEIC VII 02 10 05 51.7–.63 8.8S–.20 124.1E–.10 111–9 4.3b,3.8
IDC VII 02 10 05 57.7–4.1 9.62S 124.49E 104–40 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=8.6km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.2km s-min=37.2km az=44.0.
ISC VII 05 05 33 10.3–1.0 10.01S–.06 124.73E–.05 19 21 0-68
IDC VII 05 05 33 08.0–1.5 9.83S 124.72E 0 3.8L,3.8b ¶620927925
DJA VII 05 05 33 13.3–1.0 10S–7.0 125E–6.0 10 3.5,3.5
ISC Event type se.
IDC VII 11 19 11 22.9–2.3 9.24S 123.73E 0 3.3b,3.1
¶620928439
IDC Error ellipse: s-maj=226.8km s-min=27.4km az=53.0.
ISC VII 22 16 20 21.7–.50 8.37S–.03 124.18E–.04 154–5 4.3b 228 0-153
DJA VII 22 16 20 21.9–.10 8S–1.0 124E–1.0 151–1 5.1b,4.5b ¶620845129
IDC VII 22 16 20 22.2–.93 8.33S 124.25E 159–9 4.3,3.7b
NEIC VII 22 16 20 22.3–1.7 8.28S–.07 124.01E–.09 157–5 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 03 10 23 16.9–7.6 8.03S 127.49E 288–81 3.6,3.1b
¶620995872
IDC Error ellipse: s-maj=92.0km s-min=27.1km az=60.0.
DJA VII 24 00 36 01.3–.50 10S–3.0 125E–4.0 10 4.0b,3.8
¶626067026
ISC VII 25 07 17 06.0–.61 9.57S–.03 123.96E–.03 74–6 4.4b 214 0-152
IDC VII 25 07 16 58.8–.64 9.10S 124.04E 0 4.8L,4.7s ¶620845830
GFZ VII 25 07 17 06.9–.16 10S–2.0 124E–2.0 74 4.7b,4.6
NEIC VII 25 07 17 06.5–1.0 9.69S–.09 123.79E–.07 86–5 4.4b,4.6
DJA VII 25 07 17 07.0–.30 9S–1.0 124E–1.0 16–4 5.1b,5.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 30 19 28 56.8–16 8.99S 127.73E 0 3.9b,3.9
¶620986086
IDC Error ellipse: s-maj=383.7km s-min=63.0km az=149.0.
ISC VIII 02 11 27 52.8–1.5 9.6S–.10 124.88E–.09 10 3.0s 9 1-68
IDC VIII 02 11 27 53.0–1.8 9.29S 124.45E 0 3.6L,3.5 ¶620993238
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=18.8km az=65.0.
ISC VIII 04 02 05 45.8–.73 8.74S–.06 127.55E–.07 35 4.0b 46 2-82
NEIC VIII 04 02 05 43.8–1.4 8.53S–.08 127.32E–.05 10–2 4.3b ¶620997274
IDC VIII 04 02 05 49.8–2.2 8.96S 127.47E 87–24 4.0,3.6b
DJA VIII 04 02 05 51.2–1.3 9S–7.0 127E–27 24–42 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 07 20 13 24.9–1.6 10.32S 123.28E 0 3.6b,3.5
¶621000734
IDC Error ellipse: s-maj=18.1km s-min=16.0km az=111.0.
ISC VIII 04 04 54 25.9–.34 8.70S–.04 127.43E–.05 35 4.7b 185 2-151
NEIC VIII 04 04 54 22.1–1.2 8.64S–.06 127.50E–.06 10–1 4.8b ¶620966421
IDC VIII 04 04 54 22.4–.40 8.38S 127.32E 0 4.8L,4.4
DJA VIII 04 04 54 29.7–.30 9S–2.0 127E–1.0 46–31 5.1b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**05 03 29 00.0–.55**	**9.02S–.04**	**125.40E–.05**	**10**	**4.4b**	**62**	**1-81**	
IDC	VIII	05 03 29 00.6–1.2	9.08S	124.75E	0	4.6L,4.1b			**¶620998782**
NEIC	VIII	05 03 29 01.3–2.0	9.08S–.07	125.44E–.04	10–1	4.5b,4.1b			
DJA	VIII	05 03 29 04.2–.20	9S–2.0	125E–2.0	10	4.6b,4.4			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**07 00 58 08.7–.89**	**8.91S–.06**	**124.28E–.05**	**112–5**	**3.9b**	**32**	**1-81**	
IDC	VIII	07 00 58 03.8–3.6	8.53S	124.44E	79–33	3.9,3.8s			**¶621000692**
NEIC	VIII	07 00 58 04.3–.28	8.7S–.10	124.3E–.10	80–8	4.0b,3.8s			
DJA	VIII	07 00 58 10.2–.80	9S–4.0	124E–5.0	88–8	3.7,3.7			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**04 01 23 12.9–.64**	**9.82S–.07**	**125.24E–.06**	**35**	**4.0b**	**41**	**1-151**	
IDC	VIII	04 01 23 09.6–.70	9.48S	125.09E	0	4.0L,3.9b			**¶620997265**
NEIC	VIII	04 01 23 12.5–1.6	9.70S–.06	125.11E–.06	22–4	4.2b,3.9b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**07 05 02 35.6–1.2**	**8.6S–.50**	**126.9E–1.0**	**35**	**3.9b**	**7**	**8-72**	
IDC	VIII	07 05 02 33.1–1.1	8.02S	127.06E	0	3.8b,3.7			**¶621000702**
ISC	Event type se.								
IDC	Error ellipse: s-maj=133.3km s-min=17.3km az=62.0.								
ISC	**VIII**	**11 04 23 59.1–.59**	**9.08S–.05**	**126.50E–.06**	**10**	**4.1b**	**41**	**2-99**	
IDC	VIII	11 04 23 57.6–1.1	8.45S	126.82E	0	4.3L,4.1			**¶621009315**
NEIC	VIII	11 04 23 59.5–.85	8.96S–.08	126.18E–.08	10–1	4.4b,4.1			
DJA	VIII	11 04 24 04.9–.50	9S–5.0	126E–4.0	65–25	5.0b,4.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**15 03 35 08.3–1.5**	**10.5S–.20**	**123.9E–.30**	**10**		**5**	**0-68**	
IDC	VIII	15 03 35 08.4–1.4	10.37S	123.34E	0	4.1b,3.6			**¶621023533**
ISC	Event type se.								
IDC	Error ellipse: s-maj=18.7km s-min=14.5km az=104.0.								
ISC	**VIII**	**21 18 29 23.5–1.2**	**10.8S–.10**	**124.7E–.20**	**35**		**8**	**1-69**	
IDC	VIII	21 18 29 21.8–1.7	11.23S	123.24E	0	3.5b,3.4L			**¶621043012**
ISC	Event type se.								
IDC	Error ellipse: s-maj=30.1km s-min=13.1km az=84.0.								
ISC	**VIII**	**20 16 45 02.9–.41**	**9.08S–.03**	**124.19E–.03**	**78–3**	**5.2b**	**747**	**1-158**	
BJI	VIII	20 16 44 55.0	9.72S	124.73E	80	5.2b,5.1b			**¶620998948**
IDC	VIII	20 16 45 01.7–.95	8.91S	124.16E	66–8	5.0,4.7b			
NEIC	VIII	20 16 45 03.1–2.5	9.08S–.05	124.24E–.04	80–5	5.2b,4.9			
DJA	VIII	20 16 45 03.1–.10	9S–1.0	124E–1.0	76–2	5.6,5.6b			
GFZ	VIII	20 16 45 04.1	9.16S	124.18E	77	5.0W,5.6b			
GFZ	VIII	20 16 45 04.1–.24	9S–2.0	124E–2.0	84–2	5.3b,5.0			
GCMT	VIII	20 16 45 05.8–.20	9.11S–.01	124.22E–.02	74–2	5.0W,5.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.51 $M_{\theta\theta}$-1.25 $M_{\phi\phi}$3.76 $M_{r\theta}$-0.98 $M_{\theta\phi}$0.27 $M_{\phi r}$0.72 NP1: ϕ_s158.30339°,δ57.08806°,λ-124.21027°. NP2:ϕ_s29.67132°,δ46.03212°,λ-49.01979°. Principal axes: T 3.8497,Plg6.1255°,Azm271.8716°; N -0.7201,Plg28.1640°,Azm178.5777° ; P -3.1296,Plg61.0590°,Azm13.0626° $M_0$3.54496×10^{16}								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108201645A. Moment Tensor Solution. s60,c70; s111,c177; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.82±.14 $M_{\theta\theta}$-0.67±.12; $M_{\phi\phi}$3.49±.11; $M_{r\theta}$-0.72±.07; $M_{\theta\phi}$1.74±.09; $M_{\phi r}$2.39±.09; Best double couple: NP1:ϕ_s48.00000°,δ37.00000° ,λ-44.00000°. NP2:ϕ_s176.00000°,δ65.00000°,λ-118.00000°. Principal axes: T 4.6840,Plg16.0000°,Azm286.0000°; N -0.5820,Plg25.0000°,Azm188.0000° ; P -4.1000,Plg60.0000°,Azm45.0000° $M_0$4.39200×10^{16}								
DJA	**VIII**	**23 23 11 29.4–.30**	**10S–4.0**	**124E–2.0**	**28–6**	**5.3b,4.7**			**¶626189163**
ISC	**VIII**	**31 04 45 02.3–.57**	**8.95S–.04**	**124.11E–.04**	**102–5**	**4.4b**	**156**	**1-152**	
IDC	VIII	31 04 45 01.5–.98	8.82S	124.19E	93–8	4.4,4.1b			**¶621011416**
NEIC	VIII	31 04 45 03.2–1.8	8.96S–.06	124.04E–.06	106–5	4.5b,4.1b			
DJA	VIII	31 04 45 05.4–.30	9S–3.0	124E–2.0	70–5	5.2b,4.7b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**09 12 49 35.7–.82**	**9.36S–.09**	**123.22E–.08**	**100**	**3.7b**	**21**	**1-67**	
IDC	IX	09 12 49 25.3–1.9	9.20S	122.76E	0	3.8b,3.7L			**¶621105880**
NEIC	IX	09 12 49 36.1–1.9	9.33S–.09	123.08E–.08	89–6	4.4b,3.7L			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**04 20 43 06.5–1.3**	**8.1S–.10**	**124.4E–.10**	**150**	**3.6b**	**11**	**2-72**	
IDC	IX	04 20 43 07.3–2.9	8.12S	124.13E	163–24	3.9,3.4b			**¶621081653**
ISC	Event type se.								
IDC	Error ellipse: s-maj=56.4km s-min=16.1km az=60.0.								
ISC	**IX**	**10 13 23 12.9–1.1**	**10.31S–.10**	**124.5E–.10**	**10**	**3.8s**	**9**	**1-99**	
IDC	IX	10 13 23 13.8–1.1	9.98S	124.20E	0	4.0b,3.9s			**¶621108519**
ISC	Event type se.								
IDC	Error ellipse: s-maj=17.2km s-min=14.1km az=19.0.								
DJA	**IX**	**28 12 48 31.7–.40**	**9S–2.0**	**124E–3.0**	**18–6**	**5.3b,4.3**			**¶626359083**
ISC	**IX**	**12 13 04 47.2–.83**	**9.57S–.04**	**123.28E–.04**	**10**		**20**	**1-80**	
IDC	IX	12 13 04 44.7–1.6	9.61S	123.24E	0	3.6b,3.4			**¶621109653**
DJA	IX	12 13 04 48.2–.30	10S–2.0	123E–3.0	10	3.1,3.1			
ISC	Event type se.								
ISC	**IX**	**15 15 04 32.3–1.0**	**8.98S–.05**	**124.13E–.04**	**83–10**		**27**	**1-67**	
IDC	IX	15 15 04 23.7–1.9	8.44S	124.61E	0	3.4L,3.3			**¶621111992**
DJA	IX	15 15 04 34.7–.30	9S–3.0	124E–2.0	43–11	2.8,2.8			
ISC	Event type se.								
IDC	**IX**	**19 08 38 52.4–1.9**	**8.25S**	**127.35E**	**0**	**3.9L,3.7**			**¶626740425**
IDC	Error ellipse: s-maj=42.0km s-min=19.5km az=74.0.								
ISC	**IX**	**16 05 39 32.8–.55**	**9.17S–.03**	**123.27E–.04**	**106–5**	**4.4b**	**205**	**1-152**	
IDC	IX	16 05 39 33.2–.81	8.97S	123.22E	99–8	4.4,4.0b			**¶621079069**
NEIC	IX	16 05 39 33.3–1.5	9.27S–.07	123.08E–.07	107–3	4.5b,4.0b			
GFZ	IX	16 05 39 33.7–.16	9S–2.0	123E–2.0	110	5.0b,4.6b			
DJA	IX	16 05 39 35.2–.20	9S–2.0	123E–1.0	72–4	5.0b,4.7b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
ISC	**IX**	**18 18 29 00.9–.31**	**8.48S–.03**	**127.94E–.03**	**10**	**4.7b,4.0s**	**229**	**3-151**	
IDC	IX	18 18 29 00.2–.49	8.12S	127.98E	0	4.3L,4.3			**¶621082995**
NEIC	IX	18 18 29 00.8–1.9	8.40S–.05	127.88E–.06	10–1	4.7b,4.3			
GCMT	IX	18 18 29 06.4–.20	8.42S–.02	128.01E–.02	24–0	4.9W,4.3			
DJA	IX	18 18 29 06.0–.60	9S–2.0	128E–1.0	26–5	5.2b,5.1			
GFZ	IX	18 18 29 07.1–.16	9S–2.0	128E–2.0	62	5.1b,4.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109181829A. Moment Tensor Solution. s54,c70; s76,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.28±.13 $M_{\theta\theta}$-2.52±.08; $M_{\phi\phi}$0.24±.09; $M_{r\theta}$0.84±.11; $M_{\theta\phi}$-0.92±.06; $M_{\phi r}$0.59±.16; Best double couple: NP1:ϕ_s263.00000°,δ35.00000° ,λ105.00000°. NP2:ϕ_s65.00000°,δ56.00000°,λ80.00000°. Principal axes: T 2.5080,Plg76.0000°,Azm302.0000°; N 0.4720,Plg9.0000°,Azm71.0000° ; P -2.9790,Plg11.0000°,Azm162.0000° $M_0$2.74400×10^{16}								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
ISC	**X**	**04 09 36 04.5–1.3**	**8.01S–.09**	**124.9E–.10**	**27**		**10**	**2-82**	
IDC	X	04 09 36 12.1–4.3	8.14S	124.82E	102–40	3.5,3.3b			**¶621203111**
ISC	Event type se.								
IDC	Error ellipse: s-maj=42.1km s-min=27.4km az=39.0.								
ISC	**X**	**03 03 03 58.3–.87**	**10.27S–.07**	**124.73E–.08**	**10**		**27**	**0-72**	
IDC	X	03 03 03 58.0–1.7	10.26S	124.02E	0	3.7b,3.7			**¶621186105**
DJA	X	03 03 04 00.1–.40	10S–3.0	125E–3.0	10	3.9,3.9b			
ISC	Event type se.								
DJA	**X**	**03 01 20 37.0–.70**	**10S–4.0**	**124E–4.0**	**24–7**	**3.9,3.8**			**¶626703067**
ISC	**X**	**04 10 02 16.3–.40**	**8.46S–.04**	**127.97E–.04**	**35**	**4.3b,3.4s**	**131**	**3-151**	
NEIC	X	04 10 02 13.7–1.4	8.27S–.06	127.75E–.07	10–1	4.7b,3.4s			**¶621203115**
IDC	X	04 10 02 15.9–1.7	8.06S	128.02E	40–14	4.6L,4.3			
DJA	X	04 10 02 18.1–.40	8S–2.0	128E–1.0	38–7	5.1b,5.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
DJA	**X**	**10 02 08 03.3–.40**	**9S–3.0**	**124E–2.0**	**78–4**	**4.1b,4.0**			**¶626703544**
ISC	**X**	**06 13 38 01.8–.53**	**9.62S–.04**	**124.76E–.05**	**35**	**4.0b,3.3s**	**62**	**0-81**	
IDC	X	06 13 37 57.4–.89	9.43S	124.66E	0	4.4L,4.1			**¶621217152**
NEIC	X	06 13 37 58.1–1.6	9.25S–.07	124.77E–.02	10–1	4.1b,4.1			
DJA	X	06 13 38 04.1–.70	10S–4.0	125E–6.0	31–4	4.5b,4.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
DJA	**X**	**08 21 47 54.2–.40**	**10S–2.0**	**125E–2.0**	**10–3**	**4.1b,4.1**			**¶626703354**
ISC	**X**	**15 20 39 28.7–.44**	**9.87S–.03**	**123.64E–.03**	**10**	**4.2b**	**81**	**1-125**	
IDC	X	15 20 39 28.9–.66	9.72S	123.58E	0	4.1L,4.0b			**¶621242083**
NEIC	X	15 20 39 29.4–1.5	9.85S–.02	123.64E–.04	10–1	4.2b,4.0b			
DJA	X	15 20 39 32.3–.30	10S–3.0	124E–2.0	10	4.3b,4.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	**X**	**13 12 09 08.8–1.8**	**9.70S**	**123.50E**	**0**	**3.2b,3.1**			**¶621238971**
IDC	Error ellipse: s-maj=59.4km s-min=19.4km az=64.0.								
IDC	**X**	**13 00 17 41.7–1.9**	**8.10S**	**127.09E**	**0**	**3.8L,3.6**			**¶621238939**
IDC	Error ellipse: s-maj=148.1km s-min=21.2km az=61.0.								
IDC	**X**	**14 17 13 07.7–1.3**	**8.70S**	**126.61E**	**0**	**3.8b,3.6**			**¶621240650**
IDC	Error ellipse: s-maj=41.6km s-min=15.1km az=73.0.								
ISC	**X**	**27 05 50 42.9–.30**	**9.59S–.04**	**125.06E–.05**	**33**	**4.9b,3.6s**	**317**	**1-151**	
IDC	X	27 05 50 38.9–.41	9.34S	124.98E	0	4.7,4.6b			**¶621241220**
GFZ	X	27 05 50 42.9–.53	10S–3.0	125E–3.0	26–4	5.3b,4.9b			
DJA	X	27 05 50 43.8–.20	10S–2.0	125E–2.0	53–4	5.1b,5.1b			
NEIC	X	27 05 50 44.3–1.8	9.57S–.06	124.96E–.05	38–7	4.8b,5.1b			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
DJA	**X**	**16 11 27 45.9–.40**	**9S–3.0**	**124E–2.0**	**76–5**	**3.8b,3.5**			**¶626703913**
ISC	**X**	**26 08 32 29.0–1.2**	**9.43S–.06**	**125.5E–.10**	**10**		**15**	**1-68**	
IDC	X	26 08 32 27.6–1.8	9.19S	125.21E	0	3.7L,3.7			**¶621366466**
DJA	X	26 08 32 32.3–1.2	9S–5.0	125E–11	10	2.1,2.1			
ISC	Event type se.								
DJA	**XI**	**03 10 37 46.7–.30**	**9S–2.0**	**124E–2.0**	**12–3**	**5.0b,4.3**			**¶626705025**
ISC	**XI**	**01 22 48 14.7–.97**	**9.62S–.06**	**125.23E–.08**	**35**		**25**	**1-68**	
IDC	XI	01 22 48 12.0–1.8	9.25S	125.10E	0	4.1L,4.0s			**¶621401311**
DJA	XI	01 22 48 15.9–.50	10S–3.0	125E–4.0	11–4	3.9b,3.8			
ISC	Event type se.								
ISC	**XI**	**06 05 32 06.2–.58**	**9.64S–.07**	**125.16E–.07**	**10**	**4.2b**	**28**	**1-125**	
IDC	XI	06 05 32 06.2–.73	9.44S	124.78E	0	4.5L,4.2			**¶621415969**
NEIC	XI	06 05 32 07.1–1.3	9.50S–.07	125.07E–.04	10–1	4.2b,4.2			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XI**	**16 11 07 56.8–.96**	**9.65S–.06**	**125.25E–.07**	**33**		**19**	**1-68**	
IDC	XI	16 11 07 55.2–1.7	8.83S	125.77E	0	3.7b,3.4			**¶621475677**
DJA	XI	16 11 07 57.8–1.1	10S–5.0	125E–9.0	10	3.6,3.6			
ISC	Event type se.								
ISC	**XI**	**11 11 38 29.7–.91**	**10.16S–.05**	**124.55E–.06**	**19**		**22**	**0-68**	
IDC	XI	11 11 38 27.4–1.7	9.94S	124.55E	0	3.3L,3.3			**¶621449525**
DJA	XI	11 11 38 31.1–.90	10S–6.0	125E–5.0	10–3	3.4,3.4			
ISC	Event type se.								
ISC	**XI**	**06 19 55 38.0–1.2**	**9.00S–.06**	**124.43E–.06**	**35**		**41**	**0-67**	
IDC	XI	06 19 55 29.4–1.4	8.68S	124.10E	0	3.8L,3.6			**¶621416002**
DJA	XI	06 19 55 38.6–.30	9S–3.0	124E–2.0	67–7	4.8b,4.2b			
ISC	Event type se.								
ISC	**XI**	**18 18 50 26.8–.52**	**10.98S–.04**	**123.80E–.05**	**10**	**4.2b**	**95**	**1-92**	
NEIC	XI	18 18 50 27.6–2.2	10.95S–.04	123.68E–.08	10–1	4.6b			**¶621416137**
IDC	XI	18 18 50 29.1–1.1	10.94S	123.69E	0	4.5L,4.2			
DJA	XI	18 18 50 30.6–.30	11S–3.0	124E–2.0	57–10	5.2b,4.6b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
DJA	**XI**	**23 13 21 04.2–.40**	**9S–4.0**	**124E–3.0**	**54–9**	**2.5,2.5**			**¶626705735**
DJA	**XI**	**19 10 31 06.6–.80**	**10S–5.0**	**125E–6.0**	**19–4**	**4.2b,4.0**			**¶626705620**
ISC	**XI**	**24 16 25 26.1–.93**	**8.78S–.08**	**124.3E–.10**	**50**	**3.6b**	**9**	**2-67**	
IDC	XI	24 16 25 21.5–1.1	8.57S	124.14E	0	3.7L,3.7			**¶621613997**
ISC	Event type se.								
IDC	Error ellipse: s-maj=34.1km s-min=15.7km az=70.0.								
ISC	**XI**	**23 17 56 08.0–1.0**	**9.06S–.04**	**123.79E–.04**	**74**		**33**	**1-67**	
IDC	XI	23 17 55 58.3–1.7	8.63S	124.05E	0	3.6b,3.5L			**¶621611969**
DJA	XI	23 17 56 09.9–.30	9S–3.0	124E–2.0	55–7	3.0,3.0			
ISC	Event type se.								
ISC	**XII**	**04 19 04 24.0–1.3**	**9.4S–.10**	**125.3E–.10**	**35**		**9**	**2-72**	
IDC	XII	04 19 04 20.9–1.2	9.04S	124.92E	0	3.7L,3.6			**¶621630682**
ISC	Event type se.								
IDC	Error ellipse: s-maj=20.0km s-min=14.9km az=78.0.								
IDC	**XII**	**08 08 31 26.3–1.7**	**9.08S**	**125.60E**	**0**	**3.8L,3.7b**			**¶621634686**
IDC	Error ellipse: s-maj=23.0km s-min=17.3km az=48.0.								
IDC	**XII**	**16 05 50 23.4–6.2**	**8.94S**	**127.94E**	**295–71**	**3.4,3.0b**			**¶621655762**
IDC	Error ellipse: s-maj=121.7km s-min=27.9km az=47.0.								
ISC	**XII**	**23 22 13 52.2–.44**	**8.87S–.03**	**125.31E–.04**	**10**	**4.5b**	**133**	**0-81**	
IDC	XII	23 22 13 50.7–.69	8.72S	125.37E	0	4.4,4.3b			**¶621650669**
GFZ	XII	23 22 13 51.3–.20	9S–3.0	125E–2.0	10	5.0b,4.5b			
DJA	XII	23 22 13 54.4–.40	9S–3.0	125E–4.0	10	4.2b,4.2			
NEIC	XII	23 22 13 55.9–2.1	8.87S–.04	125.36E–.06	35–2	4.4b,4.2			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**20 15 52 38.6–.93**	**8.04S–.07**	**124.49E–.06**	**195–7**		**36**	**0-66**	
IDC	XII	20 15 52 38.4–1.8	7.89S	124.52E	171–22	3.6,2.7b			**¶621685624**
DJA	XII	20 15 52 39.9–.80	8S–4.0	124E–6.0	180–6	3.1,3.1			
ISC	Event type se.								
IDC	**XII**	**16 12 41 42.8–1.9**	**8.46S**	**126.72E**	**0**	**3.4L,3.3**			**¶621655780**
IDC	Error ellipse: s-maj=138.2km s-min=21.1km az=59.0.								
ISC	**XII**	**22 14 37 11.3–.67**	**9.02S–.04**	**124.09E–.04**	**104–6**	**4.0b**	**78**	**1-81**	
IDC	XII	22 14 37 02.4–.86	8.43S	124.18E	0	4.3L,4.2			**¶621686773**
NEIC	XII	22 14 37 10.4–.84	8.7S–.10	124.3E–.10	84–13	4.2b,4.2			

DJA XII 22 14 37 14.8–.30 9S–2.0 124E–2.0 59–7 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 30 05 26 49.4–4.8 8.28S 127.60E 176–37 4.1,3.4b
¶621725991
IDC Error ellipse: s-maj=49.9km s-min=24.0km az=32.0.
ISC XII 24 01 22 39.7–1.0 8.25S–.07 127.77E–.07 35 3.8b 34 3-151
IDC XII 24 01 22 30.7–.97 7.43S 127.87E 0 4.3L,4.0 **¶621700065**
DJA XII 24 01 22 42.5–.30 8S–3.0 128E–3.0 56–50 4.7b,4.5
ISC Event type se.
ISC XII 27 04 23 30.6–1.0 8.90S–.06 125.3E–.10 21–6 18 0-67
IDC XII 27 04 23 29.7–1.7 8.75S 125.27E 0 3.5,3.3L **¶621717285**
DJA XII 27 04 23 32.9–.70 9S–2.0 125E–5.0 10 3.2,3.0
ISC Event type se.
IDC XII 29 20 20 35.2–9.2 8.45S 127.86E 122–73 4.2,3.6b
¶621724248
IDC Error ellipse: s-maj=68.8km s-min=52.9km az=1.0.
IDC XII 31 18 06 24.7–1.2 9.91S 125.18E 0 3.7L,3.6
¶621726075
IDC Error ellipse: s-maj=20.6km s-min=12.8km az=44.0.
IDC XII 31 20 12 15.7–5.8 8.32S 127.64E 162–63 3.5,2.6b
¶621726084
IDC Error ellipse: s-maj=62.1km s-min=20.4km az=41.0.
ISC XII 31 13 21 08.5–.95 8.91S–.04 125.34E–.07 10 3.7b,3.5s 22 1-77
IDC XII 31 13 21 08.3–.97 8.76S 125.25E 0 3.7,3.6b **¶621726061**
DJA XII 31 13 21 11.7–.70 9S–2.0 125E–6.0 10 3.4,3.1
ISC Event type se.

(290) Timor Sea.

IDC VII 04 12 39 17.1–2.1 8.10S 128.85E 0 3.4b,3.1
¶620927877
IDC Error ellipse: s-maj=141.8km s-min=22.0km az=65.0.
ISC VII 16 18 00 15.6–.79 8.16S–.06 129.42E–.09 35 3.9b,3.5s 15 6-73
IDC VII 16 18 00 13.5–.83 7.82S 129.16E 0 4.0L,3.9 **¶620928726**
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=10.5km az=96.0.
IDC VII 21 09 51 34.8–12 8.30S 128.27E 149–98 4.0,3.6b
¶620961649
IDC Error ellipse: s-maj=122.2km s-min=83.6km az=75.0.
IDC VIII 30 05 10 18.5–1.9 8.66S 129.73E 0 3.7L,3.5
¶621076486
IDC Error ellipse: s-maj=37.9km s-min=19.8km az=78.0.
IDC VIII 20 17 34 23.7–2.1 8.34S 129.87E 0 5.1L,3.4b
¶621041296
IDC Error ellipse: s-maj=112.2km s-min=26.2km az=67.0.
IDC VIII 31 00 48 45.5–1.9 8.61S 129.69E 0 3.5L,3.5b
¶621076548
IDC Error ellipse: s-maj=37.8km s-min=19.8km az=77.0.
ISC IX 04 12 40 55.9–1.6 8.1S–.10 128.2E–.10 10 9 5-68
IDC IX 04 12 40 55.6–1.9 7.67S 127.90E 0 3.6L,3.6 **¶621081632**
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=18.9km az=59.0.
ISC X 12 11 51 14.0–.69 8.26S–.06 128.84E–.07 35 3.8b 30 2-82
IDC X 12 11 51 14.7–2.7 8.17S 128.72E 43–29 3.8L,3.8 **¶621236948**
NEIC X 12 11 51 15.3–.77 8.16S–.05 128.81E–.07 52–8 4.0b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 16 02 38 11.9–.80 8.26S–.08 128.11E–.07 10 26 4-71
IDC IX 16 02 38 07.8–3.4 7.59S 127.98E 0 4.0b,3.9 **¶621112864**
NEIC IX 16 02 38 12.3–1.3 8.2S–.10 128.08E–.08 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 05 06 13 17.4–.78 8.19S–.06 128.91E–.08 100 3.9b 14 6-73
IDC X 05 06 13 21.4–2.9 8.30S 128.66E 140–32 4.0,3.6b **¶621203160**
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=20.7km az=16.0.
ISC XI 27 12 05 01.9–.49 8.06S–.05 129.94E–.05 22 4.2b 66 1-83
IDC XI 27 12 05 01.0–.82 7.74S 129.79E 0 3.9L,3.9b **¶621625121**
NEIC XI 27 12 05 00.6–.80 8.02S–.07 129.89E–.04 10–1 4.2b,3.9b
DJA XI 27 12 05 06.2–.40 8S–3.0 130E–3.0 123–12 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 25 04 15 01.1–1.9 8.29S 128.19E 0 3.6b,3.5L
¶621366423
IDC Error ellipse: s-maj=44.7km s-min=20.8km az=80.0.
IDC XII 25 23 38 33.0–1.8 11.04S 128.98E 0 3.7b,3.3
¶621700180
IDC Error ellipse: s-maj=48.8km s-min=22.7km az=69.0.

(291) South of Sumbawa.

IDC VII 08 04 30 35.0–3.9 11.22S 117.23E 0 3.6b,3.5
¶620928154
IDC Error ellipse: s-maj=255.4km s-min=25.4km az=47.0.
DJA VII 11 13 40 11.8–.60 11S–5.0 118E–4.0 10 3.8b,3.7
¶626066439
DJA VII 13 17 14 09.7–.40 11S–5.0 118E–3.0 10 3.9,3.8
¶626066589
ISC VII 16 19 41 30.2–1.2 11.92S–.09 118.14E–.10 35 12 6-71
IDC VII 16 19 41 32.0–4.5 11.87S 118.24E 44–49 3.8b,3.8 **¶620928729**
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=16.5km az=80.0.
DJA VII 17 08 02 39.9–.70 11S–7.0 119E–3.0 10 4.2b,3.8
¶626066738
DJA VII 23 17 20 17.7–1.1 11S–9.0 118E–2.0 30–18 3.5,3.5
¶626066977
ISC VIII 17 19 19 34.6–1.3 10.32S–.04 118.69E–.03 20–5 3.9b 91 2-78
IDC VIII 17 19 19 33.5–1.1 10.13S 118.52E 0 3.8b,3.7 **¶621030290**
NEIC VIII 17 19 19 34.3–1.7 10.28S–.05 118.71E–.07 10–1 4.3b,3.7
DJA VIII 17 19 19 40.1–.60 10S–3.0 119E–1.0 12–4 4.9b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 27 16 01 25.5–.31 11.25S–.04 118.61E–.04 10 4.8b,3.9s 384 2-152
DJA VIII 27 16 01 24.4–.10 11S–2.0 119E–1.0 10 5.4b,5.3b **¶621009618**
IDC VIII 27 16 01 24.8–.40 11.12S 118.64E 0 4.9L,4.7
NEIC VIII 27 16 01 25.3–2.5 11.30S–.04 118.56E–.05 10–1 4.8b,4.7
GFZ VIII 27 16 01 26.2–.19 11S–2.0 119E–3.0 10 5.1b,4.8
GFZ VIII 27 16 01 26.4 11.32S 118.62E 13 4.8W,4.8
GCMT VIII 27 16 01 29.8–.20 11.25S–.01 118.66E–.02 18–0 5.0W,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.18 $M_{\theta\theta}$1.91 $M_{\phi\phi}$0.27 $M_{r\theta}$0.19 $M_{\theta\phi}$0.51 $M_{\phi r}$-0.41 NP1: ϕ_s63.76023°,δ44.99279°,λ-104.92354°. NP2:ϕ_s264.41005°,δ46.90812°,λ-75.56192°. Principal axes: T 2.0572,Plg0.9734°,Azm344.2539°; N 0.2052,Plg10.4908°,Azm74.4342° ; P -2.2624,Plg79.4631°,Azm249.0128° $M_0$2.16712×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108271601A. Moment Tensor Solution. s44,c60; s92,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.57±.16 $M_{\theta\theta}$3.07±.10; $M_{\phi\phi}$-0.50±.11; $M_{r\theta}$1.49±.22; $M_{\theta\phi}$1.15±.06; $M_{\phi r}$-0.70±.32; Best double couple: NP1:ϕ_s50.00000°,δ39.00000° ,λ-128.00000°. NP2:ϕ_s275.00000°,δ60.00000°,λ-64.00000°. Principal axes: T 3.6620,Plg12.0000°,Azm346.0000°; N -0.3750,Plg23.0000°,Azm81.0000° ; P -3.2870,Plg64.0000°,Azm231.0000° $M_0$3.47500×10^{16}

ISC VIII 20 15 45 45.0–3.7 10.15S–.07 118.80E–.03 6–27 46 1-70
DJA VIII 20 15 45 47.3–.70 10S–4.0 119E–1.0 16–7 4.2,4.2 **¶621041292**
IDC VIII 20 15 45 49.1–2.1 9.72S 120.05E 0 3.5b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=143.7km s-min=21.1km az=47.0.
ISC VIII 20 20 35 18.6–1.2 10.13S–.09 118.82E–.05 10 25 1-65
DJA VIII 20 20 35 20.2–.60 10S–7.0 119E–2.0 10 3.2,3.1 **¶621041310**
IDC VIII 20 20 35 25.1–2.3 10.25S 119.68E 0 3.3b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=176.2km s-min=25.4km az=54.0.
DJA VIII 28 12 56 44.6–1.0 10S–6.0 119E–3.0 13–10 4.1b,3.8
¶626189585
ISC IX 10 19 24 36.5–.43 10.19S–.06 116.15E–.05 50 4.2b 77 3-116
NEIC IX 10 19 24 36.4–1.4 10.24S–.08 116.12E–.04 44–8 4.4b **¶621061016**
IDC IX 10 19 24 40.4–2.6 9.92S 116.29E 69–22 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.0km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.1km s-min=8.9km az=51.0.
ISC IX 20 18 33 38.3–.33 10.19S–.05 117.38E–.04 34 4.7b 323 1-117
BJI IX 20 18 33 33.2 10.30S 117.30E 14 5.0b,4.9s **¶621093582**
IDC IX 20 18 33 33.9–.53 10.00S 117.36E 0 4.6L,4.6
NEIC IX 20 18 33 39.6–1.4 10.10S–.07 117.39E–.05 42–7 4.7b,4.6
DJA IX 20 18 33 39.0–.10 10S–2.0 117E–1.0 43–2 5.4b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA IX 19 16 56 11.9–.60 10S–6.0 119E–2.0 10 4.2b,3.8
¶626358663
ISC IX 11 06 01 27.1–1.1 11.30S–.08 118.0E–.10 36 4.0b 13 6-66
IDC IX 11 06 01 23.2–1.2 11.07S 117.70E 0 3.9L,3.9 **¶621108565**
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=13.7km az=63.0.
ISC XI 17 12 47 59.5–1.2 11.4S–.10 118.15E–.05 10 32 2-66
DJA XI 17 12 47 59.9–.80 11S–8.0 118E–2.0 10 4.6b,4.6b **¶621494207**
IDC XI 17 12 48 00.0–3.4 10.46S 118.97E 0 3.7b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=265.5km s-min=29.1km az=49.0.
ISC XI 14 05 33 40.6–1.2 11.22S–.08 117.44E–.05 10 25 2-66
IDC XI 14 05 33 41.2–3.5 11.20S 117.39E 0 3.4L,3.4 **¶621468647**
DJA XI 14 05 33 57.4–.90 10S–9.0 117E–2.0 10 3.8b,3.6
ISC Event type se.
ISC XI 13 17 01 49.6–1.3 11.50S–.08 116.67E–.06 10 73 3-70
DJA XI 13 17 01 53.9–.30 11S–2.0 117E–1.0 10 4.5b,4.3b **¶621468611**
IDC XI 13 17 02 00.7–1.9 11.76S 117.73E 0 3.6b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=91.3km s-min=12.0km az=42.0.
DJA X 09 12 29 58.2–.40 10S–5.0 118E–2.0 56–11 3.6b,3.6
¶626703466
DJA X 22 05 07 38.5–.70 11S–7.0 119E–2.0 10 4.6b,4.5b
¶626704311
IDC X 26 02 51 05.0–1.7 11.28S 117.48E 0 3.6b,3.4L
¶621366455
IDC Error ellipse: s-maj=57.1km s-min=20.9km az=48.0.
ISC X 31 12 43 37.7–.94 11.39S–.06 118.73E–.07 26 24 2-66
IDC X 31 12 43 37.7–2.3 10.45S 119.54E 0 3.4L,3.4b **¶621395248**
DJA X 31 12 43 42.3–.90 11S–7.0 119E–3.0 10 3.6,3.6
ISC Event type se.
ISC XI 13 03 05 39.1–.89 11.41S–.08 118.42E–.08 50 28 3-66
DJA XI 13 03 05 48.5–.80 11S–5.0 118E–4.0 35 3.9,3.9 **¶621468579**
IDC XI 13 03 05 56.3–5.8 11.38S 119.81E 71–64 4.2s,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=118.4km s-min=25.3km az=45.0.
ISC XI 30 12 16 36.7–.77 11.50S–.07 118.08E–.06 36 101 2-24
NEIC XI 30 12 16 32.5–.66 11.27S–.02 118.21E–.08 10–2 4.2b **¶621532517**
GFZ XI 30 12 16 32.7–.25 11S–3.0 118E–2.0 10 5.6b,5.2
DJA XI 30 12 16 38.2–.40 11S–4.0 118E–1.0 10 5.2b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
DJA XI 27 16 36 04.0–.90 11S–5.0 118E–2.0 12–7 4.2b,3.8
¶626705871
IDC XII 05 13 52 37.6–3.7 11.71S 117.42E 0 3.6b,3.3
¶621631257
IDC Error ellipse: s-maj=244.6km s-min=18.6km az=46.0.
ISC XII 04 02 07 14.4–.91 10.15S–.07 116.62E–.05 50 3.6b 60 1-69
IDC XII 04 02 07 08.0–1.3 10.01S 116.36E 0 3.9L,3.7 **¶621630628**
DJA XII 04 02 07 12.3–.30 10S–4.0 117E–2.0 10 5.6b,5.1
ISC Event type se.
ISC XII 14 02 16 21.8–.90 11.26S–.08 117.92E–.06 10 3.9b 27 2-66
IDC XII 14 02 16 20.9–1.3 10.88S 118.27E 0 3.7L,3.7b **¶621652853**
DJA XII 14 02 16 23.2–1.1 11S–11 118E–3.0 10 4.2,4.2
ISC Event type se.
IDC XII 19 18 13 44.5–3.8 10.17S 117.86E 0 3.2b,3.2
¶621657091
IDC Error ellipse: s-maj=281.8km s-min=28.0km az=48.0.

(292) South of Sumba.

ISC VII 02 16 29 35.2–.83 11.20S–.06 119.75E–.05 35 54 2-88
IDC VII 02 16 29 30.9–1.5 11.04S 119.32E 0 3.7b,3.7 **¶620927760**
DJA VII 02 16 29 34.2–1.1 11S–3.0 120E–2.0 15–10 4.6b,4.3b
ISC Event type se.
ISC VIII 23 08 40 19.7–.32 11.21S–.04 119.04E–.03 10 4.8b,3.7s 287 2-152
BJI VIII 23 08 40 15.3 11.62S 119.53E 10 4.6s,4.6b **¶621000180**
IDC VIII 23 08 40 19.2–.49 11.13S 118.92E 0 5.1L,4.4
NEIC VIII 23 08 40 19.6–.74 11.21S–.04 119.03E–.06 10–1 4.9b,4.4
GFZ VIII 23 08 40 21.3–.16 11S–2.0 119E–2.0 10 5.2,5.0b
DJA VIII 23 08 40 24.2–.80 11S–2.0 119E–1.0 32–13 5.7b,5.5
GCMT VIII 23 08 40 25.8–.30 11.27S–.02 118.93E–.03 40–2 5.0W,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108230840A. Moment Tensor Solution. s21,c25; s80,c100; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.23 $M_{\theta\theta}$-1.89±.18; $M_{\phi\phi}$2.17±.19; $M_{r\theta}$-0.15±.16; $M_{\theta\phi}$2.69±.10; $M_{\phi r}$-1.03±.16; Best double couple: NP1:ϕ_s252.00000°,δ76.00000° ,λ5.00000°. NP2:ϕ_s161.00000°,δ85.00000°,λ166.00000°. Principal axes: T 3.7530,Plg14.0000°,Azm116.0000°; N -0.4890,Plg75.0000°,Azm322.0000° ; P -3.2670,Plg7.0000°,Azm207.0000° $M_0$3.51000×10^{16}
DJA VIII 27 11 22 26.9–.60 11S–6.0 119E–2.0 10 4.6b,4.3
¶626189469
ISC X 17 02 07 44.4–.82 11.12S–.06 119.90E–.05 35 3.9b 28 1-79
IDC X 17 02 07 40.3–1.1 10.96S 119.72E 0 3.9b,3.7L **¶621242861**
DJA X 17 02 07 48.8–.80 11S–8.0 120E–3.0 52–29 4.5b,4.1
ISC Event type se.
IDC IX 16 03 52 33.4–4.2 11.94S 119.25E 0 3.7b,3.6L
¶621112866
IDC Error ellipse: s-maj=274.0km s-min=29.4km az=44.0.

(293) South of Timor.

ISC XII 16 05 25 33.5–1.7 11.22S–.04 123.37E–.04 14–11 4.2b 104 1-82
IDC XII 16 05 25 33.8–1.2 11.07S 123.09E 0 4.1L,4.1 **¶621630960**
GFZ XII 16 05 25 33.8–.27 11S–3.0 123E–3.0 10 5.1b,4.5
NEIC XII 16 05 25 33.4–1.8 11.19S–.03 123.20E–.07 10–1 4.1b,4.5
DJA XII 16 05 25 40.3–.70 11S–6.0 123E–2.0 33–6 5.6b,5.1
ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SEISMIC REGION 25.
Myanmar and Southeast Asia.

(294) Myanmar-India border region.

ISC	**VII**	**10 12 49 31.0–.83**	**23.6N–.10**	**95.0E–.10**	**10**	**3.7b**	**18**	**5-60**
BKK	VII	10 12 49 30.8–1.2	24N–9.0	95E–6.0	7–12	4.3b,4.1L		¶620928358
IDC	VII	10 12 49 30.2–1.5	23.60N	94.87E	0	3.6b,3.5L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=52.4km s-min=13.8km az=62.0.							
ISC	**VII**	**14 20 34 50.4–.35**	**23.49N–.04**	**94.67E–.04**	**99**	**4.4b**	**280**	**1-82**
BJI	VII	14 20 34 49.8	23.55N	94.66E	101	4.4b,4.4b		¶620829331
MOS	VII	14 20 34 51.0–1.1	23.46N	94.79E	120	4.6b,4.4b		
NEIC	VII	14 20 34 51.3–1.7	23.53N–.05	94.76E–.05	102–5	4.5b,4.4b		
IDC	VII	14 20 34 51.0–1.2	23.47N	94.73E	102–12	4.5s,4.1		
GFZ	VII	14 20 34 51.9–.23	24N–3.0	95E–3.0	99	4.4b,4.4		
BKK	VII	14 20 34 51.9–.40	24N–6.0	95E–5.0	80	4.4,4.3		
NDI	VII	14 20 34 52.0–3.7	23.45N	94.63E	100	4.2L,4.3		
ISC	Event type se.							
MOS	Error ellipse: s-maj=13.4km s-min=4.4km az=120.7.							
NEIC	Event type se. Error ellipse: s-maj=8.0km s-min=6.3km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=13.5km s-min=9.3km az=33.0.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NDI	Event type se. Error ellipse: s-maj=18.4km s-min=15.4km az=-1.0. Presumed earthquake.							
ISC	**VII**	**15 23 33 43.0–.81**	**22.1N–.10**	**93.6E–.10**	**100**	**3.6b**	**25**	**2-126**
IDC	VII	15 23 33 31.6–.72	22.51N	94.08E	0	3.9L,3.6b		¶620928663
ISC	Event type se.							
IDC	Error ellipse: s-maj=24.1km s-min=12.3km az=35.0.							
ISC	**VII**	**26 05 03 30.0–.25**	**24.52N–.03**	**94.38E–.03**	**65–2**	**4.8b**	**640**	**0-162**
MOS	VII	26 05 03 25.9–1.6	24.52N	94.43E	33	4.8b		¶620846041
BJI	VII	26 05 03 30.9	24.81N	94.40E	65	4.8L,4.8b		
NEIC	VII	26 05 03 30.8–1.0	24.58N–.06	94.44E–.07	67–4	4.9b,4.8b		
NDI	VII	26 05 03 30.4–3.6	24.58N	94.47E	68–16	4.9L,4.8b		
BKK	VII	26 05 03 31.1–.60	25N–12	94E–10	57–10	5.6L,5.5		
IDC	VII	26 05 03 31.6–1.1	24.52N	94.55E	78–9	4.5,4.2b		
GFZ	VII	26 05 03 32.0–.31	25N–3.0	95E–3.0	64–4	5.0b,4.7		
GCMT	VII	26 05 03 34.3–.40	24.58N–.03	94.56E–.02	47–2	4.9W,4.7		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NDI	Event type se. Presumed earthquake.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107260503A. Moment Tensor Solution. s13,c13; s71,c102; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01±.25 $M_{\theta\theta}$-0.45±.14; $M_{\phi\phi}$0.46±.15; $M_{r\theta}$-0.08±.09; $M_{\theta\phi}$1.99±.10; $M_{\phi r}$-1.56±.10; Best double couple: NP1:ϕ_s265.00000°,δ53.00000°,λ3.00000°. NP2:ϕ_s174.00000°,δ88.00000°,λ143.00000°. Principal axes: T 2.6860,Plg27.0000°,Azm123.0000°; N -0.2480,Plg53.0000°,Azm351.0000°; P -2.4380,Plg24.0000°,Azm226.0000° M_o2.56200×10^{16}							
ISC	**VII**	**24 20 24 35.8–1.3**	**22.9N–.10**	**93.2E–.20**	**35**	**3.6b**	**9**	**1-61**
IDC	VII	24 20 24 30.8–1.3	22.81N	93.25E	0	3.3b,3.3		¶620970249
ISC	Event type se.							
IDC	Error ellipse: s-maj=34.2km s-min=18.1km az=11.0.							
IDC	**VII**	**27 01 02 01.6–2.7**	**24.56N**	**94.33E**	**0**	**3.4b,3.4**		¶620978938
IDC	Error ellipse: s-maj=92.7km s-min=23.6km az=67.0.							
ISC	**VII**	**26 13 36 39.1–1.0**	**22.6N–.20**	**93.7E–.10**	**10**	**3.6b**	**7**	**2-60**
IDC	VII	26 13 36 37.7–.95	22.61N	93.85E	0	3.7L,3.6b		¶620973847
ISC	Event type se.							
IDC	Error ellipse: s-maj=25.3km s-min=13.7km az=30.0.							
ISC	**VIII**	**04 22 10 02.4–.79**	**25.08N–.04**	**94.89E–.05**	**108–6**	**4.3b**	**103**	**1-87**
NDI	VIII	04 22 09 59.4–1.8	25.05N	95.20E	15–27	3.7L		¶620997331
IDC	VIII	04 22 10 00.2–1.9	24.89N	95.15E	102–18	4.1,3.7b		
NEIC	VIII	04 22 10 02.5–1.9	25.10N–.09	94.93E–.09	100–9	4.4b,3.7b		
ISC	Event type se.							
NDI	Event type se. Presumed earthquake.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**02 14 46 01.2–.87**	**24.26N–.05**	**94.09E–.05**	**82–9**	**3.8b**	**55**	**1-80**
BKK	VIII	02 14 45 59.2–.50	24N–5.0	94E–6.0	10	4.1b,4.1		¶620993245
NDI	VIII	02 14 46 02.2–2.1	24.21N	94.12E	83–13	3.8L,4.1		
IDC	VIII	02 14 46 04.0–2.3	24.07N	94.10E	102–25	3.7,3.4b		
ISC	Event type se.							
NDI	Event type se. Error ellipse: s-maj=11.6km s-min=9.7km az=-1.0. Presumed earthquake.							
IDC	Error ellipse: s-maj=23.2km s-min=14.5km az=43.0.							
ISC	**VIII**	**17 00 02 12.8–.65**	**24.30N–.08**	**94.01E–.07**	**75**	**3.7b**	**47**	**1-124**
BKK	VIII	17 00 02 12.3–.50	24N–6.0	94E–4.0	41–9	4.5b,4.1		¶621030217
NDI	VIII	17 00 02 12.2–.64	24.40N	94.24E	74–5	3.3L,4.1		
IDC	VIII	17 00 02 14.3–3.8	24.12N	94.16E	95–36	4.0s,3.8		
ISC	Event type se.							
NDI	Event type se. Error ellipse: s-maj=4.0km s-min=4.8km az=-1.0. Presumed earthquake.							
IDC	Error ellipse: s-maj=38.9km s-min=15.9km az=58.0.							
ISC	**VIII**	**06 12 47 47.9–.73**	**23.19N–.04**	**94.12E–.04**	**106–7**	**4.3b**	**74**	**1-67**
NEIC	VIII	06 12 47 47.6–1.6	23.21N–.04	94.13E–.06	102–4	4.4b		¶620976066
IDC	VIII	06 12 47 50.1–2.2	23.16N	94.15E	86–25	3.8,3.5b		
NDI	VIII	06 12 47 53.2–2.6	23.35N	93.97E	100	3.5L,3.5b		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=7.6km s-min=5.7km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=26.9km s-min=11.5km az=35.0.							
NDI	Event type se. Error ellipse: s-maj=13.6km s-min=13.0km az=-1.0. Presumed earthquake.							
ISC	**VIII**	**17 15 32 24.6–.43**	**24.57N–.03**	**94.38E–.03**	**68–4**	**4.7b**	**414**	**0-154**
BKK	VIII	17 15 32 22.7–.60	25N–5.0	95E–3.0	20	6.1,5.7L		¶620993286
IDC	VIII	17 15 32 24.0–1.3	24.44N	94.62E	67–11	4.2,3.9b		
MOS	VIII	17 15 32 23.7–1.1	24.50N	94.57E	76	4.8b,3.9b		
NEIC	VIII	17 15 32 24.9–2.4	24.65N–.05	94.45E–.07	63–4	4.9b,3.9b		
BJI	VIII	17 15 32 24.5	24.84N	94.42E	62	4.5b,4.3L		
NDI	VIII	17 15 32 25.0–4.4	24.63N	94.35E	92–18	4.5L,4.3L		
GFZ	VIII	17 15 32 26.3–.33	25N–3.0	95E–3.0	64–4	4.8b,4.5		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NDI	Event type se. Presumed earthquake.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NDI	**VIII**	**17 15 46 32.4–2.0**	**24.50N**	**94.32E**	**64–17**	**3.0L**		¶621071657
NDI	Event type se. Error ellipse: s-maj=16.0km s-min=11.9km az=-1.0. Presumed earthquake.							
ISC	**VIII**	**29 09 16 00.3–.76**	**26.1N–.10**	**95.15E–.08**	**100**	**3.7b**	**29**	**7-73**
IDC	VIII	29 09 16 00.1–3.8	26.24N	95.48E	98–37	3.7,3.3b		¶621073165
ISC	Event type se.							
IDC	Error ellipse: s-maj=41.6km s-min=15.1km az=56.0.							
ISC	**VIII**	**23 09 22 42.3–.00**	**22.9N–.20**	**93.9E–.10**	**100**	**3.7b**	**30**	**2-60**
IDC	VIII	23 09 22 32.3–1.0	23.09N	94.31E	0	3.9L,3.7b		¶621049220
ISC	Event type se.							
IDC	Error ellipse: s-maj=20.2km s-min=11.3km az=31.0.							
ISC	**IX**	**14 10 40 06.5–.69**	**23.53N–.05**	**94.70E–.06**	**99**	**4.2b**	**50**	**1-60**
IDC	IX	14 10 39 47.2–4.0	24.38N	94.34E	0	4.0b,3.8L		¶621110835
NEIC	IX	14 10 40 07.6–.32	23.60N–.06	94.8E–.10	108–7	4.3b,3.8L		
NDI	IX	14 10 40 11.1–3.1	23.58N	94.74E	34–54	3.9L,3.8L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=114.0km s-min=63.5km az=62.0.							
NEIC	Event type se. Error ellipse: s-maj=14.7km s-min=8.2km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NDI	Event type se. Error ellipse: s-maj=30.1km s-min=37.0km az=-1.0. Presumed earthquake.							
ISC	**IX**	**10 12 41 24.6–.98**	**23.3N–.20**	**94.3E–.20**	**100**	**3.4b**	**18**	**6-60**
IDC	IX	10 12 41 16.9–1.2	25.24N	98.17E	0	3.4L,3.4b		¶621108516
DMN	IX	10 12 41 20.9–.92	24.49N	95.29E	10	4.1L,3.4b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=61.0km s-min=18.6km az=72.0.							
DMN	Event type ke. Error ellipse: s-maj=162.6km s-min=17.3km az=20.0.							
ISC	**IX**	**06 02 30 30.8–1.4**	**26.7N–.20**	**95.7E–.40**	**10**	**3.1b**	**6**	**9-53**
IDC	IX	06 02 30 28.4–1.4	26.53N	95.76E	0	3.8L,3.5s		¶621094221
ISC	Event type se.							
IDC	Error ellipse: s-maj=75.4km s-min=16.3km az=72.0.							
ISC	**IX**	**15 02 35 14.5–1.2**	**24.09N–.09**	**94.46E–.09**	**96**	**3.4b**	**18**	**1-66**
NDI	IX	15 02 35 13.8–2.3	23.98N	94.57E	63–32	4.2W,3.3L		¶621111965
IDC	IX	15 02 35 24.1–3.5	24.25N	94.99E	182–35	3.4,3.0b		
ISC	Event type se.							
NDI	Event type se. Error ellipse: s-maj=13.7km s-min=12.5km az=-1.0. Presumed earthquake.							
IDC	Error ellipse: s-maj=175.5km s-min=16.3km az=58.0.							
ISC	**IX**	**19 19 24 03.8–.27**	**25.22N–.03**	**94.84E–.03**	**79–2**	**5.0b**	**847**	**1-162**
IDC	IX	19 19 24 03.0–.45	25.14N	94.92E	74–3	4.7,4.4b		¶621083133
MOS	IX	19 19 24 04.6–.81	25.17N	94.96E	106	5.0b,4.4b		
NEIC	IX	19 19 24 04.7–1.4	25.23N–.07	94.88E–.07	80–6	5.0b,4.4b		
GFZ	IX	19 19 24 04.5–.26	25N–3.0	95E–3.0	79–2	5.9,5.8		
GCMT	IX	19 19 24 05.1–.30	25.17N–.02	95.00E–.03	59–3	4.7W,5.8		
BJI	IX	19 19 24 06.0	25.57N	94.96E	100	4.9b,4.8b		
BGR	IX	19 19 24 06.4	25.55N	94.53E	72	5.2b,4.8b		
BKK	IX	19 19 24 06.2–1.4	25N–12	95E–5.0	10	4.9,4.8		
ISC	Event type ke.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109191924A. Moment Tensor Solution. s11,c14; s71,c91; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59±.16 $M_{\theta\theta}$-0.11±.07; $M_{\phi\phi}$0.70±.06; $M_{r\theta}$-0.77±.04; $M_{\theta\phi}$0.69±.05; $M_{\phi r}$-0.33±.04; Best double couple: NP1:ϕ_s175.00000°,δ37.00000°,λ-150.00000°. NP2:ϕ_s60.00000°,δ72.00000°,λ-57.00000°. Principal axes: T 1.3460,Plg20.0000°,Azm126.0000°; N -0.1690,Plg32.0000°,Azm229.0000°; P -1.1760,Plg51.0000°,Azm8.0000° M_o1.26100×10^{16}							
BGR	Event type ke.							
ISC	**IX**	**15 13 29 41.4–.31**	**23.42N–.03**	**93.25E–.03**	**10**	**4.4b,3.6s**	**213**	**1-125**
IDC	IX	15 13 29 39.5–.49	23.45N	93.35E	0	4.3L,4.1b		¶621076734
NDI	IX	15 13 29 40.7–3.2	23.28N	93.47E	10	4.3L,4.1b		
NEIC	IX	15 13 29 41.9–.76	23.46N–.04	93.40E–.05	10–1	4.6b,4.1b		
GFZ	IX	15 13 29 42.4–.25	23N–5.0	93E–4.0	10	5.0b,4.5b		
BJI	IX	15 13 29 42.7	23.80N	93.21E	10	4.7b,4.4b		
BKK	IX	15 13 29 45.9–2.3	23N–6.0	93E–22	10	4.6L,4.3b		
ISC	Event type se.							
NDI	Event type se. Presumed earthquake.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**IX**	**16 04 49 42.0–.70**	**23.66N–.04**	**94.40E–.04**	**95–6**	**4.0b**	**112**	**1-125**
IDC	IX	16 04 49 43.0–1.4	23.54N	94.49E	103–12	4.1,3.8b		¶621080887
NEIC	IX	16 04 49 42.9–1.2	23.66N–.05	94.54E–.08	93–5	4.4b,3.8b		
NDI	IX	16 04 49 42.2–3.4	23.57N	94.60E	80	4.2L,3.8b		
BKK	IX	16 04 49 43.3–.30	24N–3.0	95E–3.0	10	4.3,4.3		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NDI	Event type se. Presumed earthquake.							
ISC	**IX**	**16 12 24 34.0–1.1**	**24.80N–.06**	**94.72E–.07**	**103–10**	**3.6b**	**40**	**1-61**
NDI	IX	16 12 24 31.8–2.2	24.74N	94.90E	111–14	3.5L		¶621112889
IDC	IX	16 12 24 35.3–3.8	24.57N	94.88E	108–38	3.5,3.2b		
ISC	Event type se.							
NDI	Event type se. Error ellipse: s-maj=9.5km s-min=12.2km az=-1.0. Presumed earthquake.							
IDC	Error ellipse: s-maj=139.0km s-min=17.9km az=60.0.							
ISC	**IX**	**26 06 28 43.7–.61**	**23.35N–.05**	**93.52E–.05**	**10**	**3.8b**	**30**	**1-68**
NDI	IX	26 06 28 41.7–1.8	23.13N	93.75E	10	3.2L		¶621131495
IDC	IX	26 06 28 42.2–1.3	23.41N	93.29E	0	4.1L,3.5b		
NEIC	IX	26 06 28 43.3–.57	23.41N–.03	93.50E–.06	9–5	4.2b,3.5b		
ISC	Event type se.							
NDI	Event type se. Presumed earthquake.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**29 21 04 41.7–.98**	**23.90N–.06**	**93.84E–.08**	**10**	**3.9b**	**12**	**1-61**
IDC	IX	29 21 04 39.3–1.9	24.20N	94.22E	0	3.5b,3.4L		¶621146399
NDI	IX	29 21 04 43.2–2.0	23.94N	93.84E	10	2.9L,3.4L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=112.4km s-min=23.3km az=59.0.							
NDI	Event type se. Error ellipse: s-maj=11.3km s-min=8.1km az=-1.0. Presumed earthquake.							
ISC	**IX**	**26 11 09 54.0–.72**	**23.1N–.10**	**93.78E–.09**	**58**	**3.9b**	**26**	**2-84**
IDC	IX	26 11 09 55.3–2.1	22.98N	93.73E	71–20	3.9,3.6b		¶621131505
ISC	Event type se.							
IDC	Error ellipse: s-maj=19.9km s-min=12.7km az=42.0.							
ISC	**IX**	**26 11 26 43.5–.56**	**23.05N–.05**	**93.76E–.05**	**58**	**4.2b**	**91**	**0-87**
NEIC	IX	26 11 26 40.0–1.7	23.29N–.04	93.84E–.03	10–1	4.2b		¶621131506
BKK	IX	26 11 26 42.2–6.2	23N–35	94E–39	10	3.9,3.9		
NDI	IX	26 11 26 44.7–2.4	23.24N	93.70E	10	3.8L,3.9		
IDC	IX	26 11 26 45.1–2.0	22.96N	93.76E	75–20	4.0,3.7b		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NDI	Event type se. Error ellipse: s-maj=10.6km s-min=11.4km az=-1.0. Presumed earthquake.							
IDC	Error ellipse: s-maj=20.7km s-min=12.9km az=37.0.							
ISC	**X**	**05 07 49 52.2–1.0**	**25.34N–.07**	**94.82E–.07**	**96–9**	**3.8b**	**46**	**1-62**
NDI	X	05 07 49 51.0–3.0	25.29N	94.97E	10–16	3.8L		¶621203165
IDC	X	05 07 49 54.5–3.6	25.08N	94.97E	119–36	3.9,3.6b		
ISC	Event type se.							
NDI	Event type se. Error ellipse: s-maj=11.3km s-min=11.8km az=-1.0. Presumed earthquake.							
IDC	Error ellipse: s-maj=56.4km s-min=17.6km az=65.0.							
ISC	**X**	**01 04 57 31.8–.81**	**25.51N–.05**	**95.09E–.05**	**98–8**	**3.9b**	**106**	**1-78**
NDI	X	01 04 57 32.6–2.3	25.51N	95.19E	95–13	4.1L		¶621147809
IDC	X	01 04 57 33.5–2.9	25.35N	95.14E	119–31	3.8,3.4s		
NEIC	X	01 04 57 33.2–1.9	25.46N–.08	95.30E–.05	103–7	4.4b,3.4s		
ISC	Event type se.							
NDI	Event type se. Presumed earthquake.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**16 05 54 06.9–3.3**	**25.36N–.08**	**94.8E–.20**	**101–15**		**42**	**1-11**
NDI	X	16 05 54 04.8–2.4	25.25N	95.08E	36–7	3.7L		¶625561428
ISC	Event type se.							
NDI	Event type se. Error ellipse: s-maj=7.3km s-min=12.0km az=-1.0. Presumed earthquake.							
ISC	**XI**	**04 00 30 50.5–3.7**	**23.9N–.20**	**93.76E–.10**	**68**	**3.8b**	**26**	**1-61**
NDI	XI	04 00 30 47.9–1.2	23.76N	93.81E	93–14	3.6W		¶621412265
IDC	XI	04 00 31 10.1–18	24.50N	94.84E	212–236	4.9L,3.6		
ISC	Event type se.							
NDI	Event type se. Error ellipse: s-maj=8.3km s-min=5.2km az=-1.0. Presumed earthquake.							
IDC	Error ellipse: s-maj=351.1km s-min=20.1km az=65.0.							
ISC	**X**	**16 01 46 24.5–.89**	**24.22N–.05**	**93.66E–.05**	**54–9**	**3.7b**	**80**	**1-80**
NEIC	X	16 01 46 25.2–1.5	24.32N–.04	93.85E–.05	46–9	4.0b		¶621242095
IDC	X	16 01 46 26.1–2.8	24.11N	93.88E	74–30	3.9s,3.5		
NDI	X	16 01 46 27.4–3.9	24.38N	93.63E	33–15	3.8L,3.5		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=8.6km s-min=3.3km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							

IDC Error ellipse: s-maj=23.4km s-min=16.7km az=43.0.
NDI Event type se. Error ellipse: s-maj=22.3km s-min=17.2km az=-1.0. Presumed earthquake.
ISC XI 07 11 49 36.1–4.0 23.7N–.20 94.4E–.10 99 29 1-11
NDI XI 07 11 49 21.9–1.2 23.18N 94.35E 134–15 4.3L,3.5W **¶625561600**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=8.7km s-min=9.0km az=-1.0. Presumed earthquake.
ISC XI 06 13 09 15.3–.40 24.16N–.05 94.72E–.05 100 4.2b 145 0-117
BJI XI 06 13 09 15.5 24.42N 94.75E 92 4.5b,4.3b **¶621415983**
NEIC XI 06 13 09 16.4–1.5 24.16N–.09 94.78E–.09 109–5 4.3b,4.3b
IDC XI 06 13 09 16.4–.63 24.08N 94.83E 116–4 4.2,3.8b
BKK XI 06 13 09 18.0–.50 24N–6.0 95E–5.0 10 4.2,4.0
NDI XI 06 13 09 26.4–1.8 24.73N 93.72E 79–14 4.0W,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.6km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.7km s-min=10.9km az=122.0.
NDI Event type se. Error ellipse: s-maj=11.1km s-min=8.3km az=-1.0. Presumed earthquake.
ISC XI 25 23 45 40.9–.18 22.74N–.02 93.53E–.02 43–1 6.0b,5.9s 3022 2-165
BJI XI 25 23 45 38.4 22.60N 93.24E 50 6.2s,6.1b **¶621468845**
MOS XI 25 23 45 38.9–1.1 22.74N 93.55E 39 6.2b,5.7s
IDC XI 25 23 45 39.9–1.1 22.73N 93.59E 35–8 5.7,5.6s
NDI XI 25 23 45 40.6–4.2 22.75N 93.32E 39–21 6.1L,6.0W
NEIC XI 25 23 45 40.6 22.79N 93.51E 33 6.1L,6.0W
NEIC XI 25 23 45 40.6 22.79N 93.51E 33 6.1L,6.0W
ISC-P XI 25 23 45 41 22.82N 93.51E 47–0 6.4,6.0W
IPGP XI 25 23 45 41.0 22.80N 93.50E 56 6.1W,6.0W
NEIC XI 25 23 45 41.8–1.8 22.82N–.04 93.51E–.06 43–3 6.2,6.1b
BKK XI 25 23 45 42.1–1.2 23N–6.0 93E–9.0 73–8 6.9L,6.7
PTWC XI 25 23 45 42 22.60N 93.40E 50 6.2,6.7
GFZ XI 25 23 45 42.4 22.76N 93.50E 55 6.1W,6.7
GFZ XI 25 23 45 42.4–.11 23N–1.0 93E–1.0 47–1 6.4L,6.3b
NEIC XI 25 23 45 43.4 22.69N 92.64E 46 6.2,6.3b
GCMT XI 25 23 45 44.7–.10 22.62N 93.43E 42–0 6.2W,6.3b
BGR XI 25 23 45 45.8 23.12N 93.02E 33 5.5b,6.3b
ISC Event type ke.
MOS Error ellipse: s-maj=5.4km s-min=3.2km az=121.8.
IDC Error ellipse: s-maj=10.1km s-min=7.9km az=40.0.
NDI Event type se. Error ellipse: s-maj=14.1km s-min=16.0km az=-1.0. Presumed earthquake.
NEIC Event type se.
NEIC Event type se.
ISC-P Moment Tensor Solution. s44 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08±.32 $M_{\theta\theta}$-0.47±.24; $M_{\phi\phi}$0.59±.20; $M_{r\theta}$0.25±.29; $M_{\theta\phi}$-0.25±.16; $M_{\phi r}$0.29±.17; NP1:ϕ_s236.90000°,δ60.60000°,λ350.00000°. NP2:ϕ_s331.90000°,δ81.30000°,λ-150.20000°. M_o5.50000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s241.00000°,δ75.00000°,λ9.00000°. NP2:ϕ_s148.00000°,δ81.00000°,λ164.00000°.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.1km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.03 $M_{\theta\theta}$-2.02 $M_{\phi\phi}$1.99 $M_{r\theta}$-0.07 $M_{\theta\phi}$1.45 $M_{\phi r}$-0.67 NP1:ϕ_s243.75000°,δ77.61000°,λ7.88000°. NP2:ϕ_s152.05000°,δ82.30000°,λ167.49000°. Principal axes: T 2.6276,Plg14.0000°,Azm107.0000°; N -0.1288,Plg75.0000°,Azm301.0000°; P -2.4988,Plg3.0000°,Azm198.0000° M_o2.57000×10^{18}
PTWC MYANMAR-INDIA BORDER REGION.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.26 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$1.53 $M_{r\theta}$0.35 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.85 NP1:ϕ_s327.62934°,δ87.84094°,λ-148.36316°. NP2:ϕ_s236.29972°,δ58.38821°,λ-2.53547°. Principal axes: T 1.9206,Plg20.1207°,Azm97.5072°; N -0.3244,Plg58.2972°,Azm331.1286°; P -1.5962,Plg23.4081°,Azm196.6327° M_o1.78071×10^{18}
GFZ Error ellipse: s-maj=3.5km s-min=2.2km az=33.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.22 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$2.19 $M_{r\theta}$-0.00 $M_{\theta\phi}$0.86 $M_{\phi r}$-0.39 NP1:ϕ_s236.60000°,δ82.55000°,λ4.26000°. NP2:ϕ_s146.04000°,δ85.78000°,λ172.53000°. Principal axes: T 2.4176,Plg8.0000°,Azm101.0000°; N -0.2729,Plg81.0000°,Azm297.0000°; P -2.1447,Plg2.0000°,Azm191.0000° M_o2.29000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111252345A. Moment Tensor Solution. s164,c349; s169,c650;Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.21±.01 $M_{\theta\theta}$-1.80±.01; $M_{\phi\phi}$2.02±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$1.02±.01; $M_{\phi r}$-0.75±.02; Best double couple: NP1:ϕ_s240.00000°,δ70.00000°,λ1.00000°. NP2:ϕ_s149.00000°,δ89.00000°,λ160.00000°. Principal axes: T 2.4470,Plg14.0000°,Azm103.0000°; N -0.2880,Plg70.0000°,Azm327.0000°; P -2.1530,Plg13.0000°,Azm196.0000° M_o2.30000×10^{18}
BGR Event type ke.
ISC XI 17 15 04 56.3–1.0 22.79N–.07 93.34E–.06 50 3.5b 37 2-61
IDC XI 17 15 04 51.8–1.9 21.13N 92.32E 0 4.3L,3.5 **¶621494215**
NDI XI 17 15 04 55.5–1.5 22.53N 93.39E 50–422 3.7W,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=72.6km s-min=15.5km az=55.0.
NDI Event type se. Error ellipse: s-maj=214.7km s-min=25.2km az=-1.0. Presumed earthquake.
ISC XI 09 04 17 22.2–.77 25.37N–.04 94.88E–.04 71–7 4.0b 94 1-123
NDI XI 09 04 17 19.7–1.4 25.72N 94.54E 98–7 2.7L **¶621385045**
GFZ XI 09 04 17 22.6–.31 25N–5.0 95E–4.0 70–5 4.5b,4.4b
NEIC XI 09 04 17 23.0–1.7 25.38N–.08 95.0E–.10 77–8 4.2b,4.4b
IDC XI 09 04 17 25.3–3.4 25.26N 95.06E 116–33 3.9,3.5b
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=4.6km s-min=6.3km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=10.4km s-min=6.7km az=25.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.4km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.0km s-min=14.9km az=61.0.
ISC XI 13 00 42 27.7–.97 26.57N–.09 95.49E–.07 100 3.4b 39 1-65
IDC XI 13 00 42 15.3–.95 26.35N 95.80E 0 4.2L,3.6b **¶621468571**
NDI XI 13 00 42 24.6–2.7 26.60N 95.67E 36–31 4.0W,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=52.8km s-min=15.1km az=66.0.
NDI Event type se. Error ellipse: s-maj=12.9km s-min=19.8km az=-1.0. Presumed earthquake.
ISC XI 27 09 47 14.8–.44 22.75N–.05 93.32E–.05 53 4.0b,3.1s 90 2-81
IDC XI 27 09 47 08.0–.64 22.91N 93.52E 0 4.3L,4.0b **¶621625117**
NDI XI 27 09 47 13.5–1.4 22.52N 93.75E 40–37 4.3W,4.1L
NEIC XI 27 09 47 16.6–.82 22.9N–.10 93.4E–.10 58–8 4.4b,4.1L
ISC Event type se.
UNK Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 28 02 18 53.8–.95 23.46N–.06 93.85E–.05 72–10 3.9b 68 1-125
NDI XI 28 02 18 47.8–1.7 23.32N 93.94E 23–16 3.9W,3.3L **¶621625156**
NEIC XI 28 02 18 54.7–1.9 23.55N–.05 94.07E–.07 69–8 4.3b,3.3L
IDC XI 28 02 18 55.0–2.8 23.51N 94.09E 79–29 3.8,3.5b
ISC Event type se.
UNK Event type se. Error ellipse: s-maj=13.3km s-min=11.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.7km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.6km s-min=14.0km az=43.0.
ISC XI 27 21 20 27.4–1.0 22.68N–.08 93.26E–.06 59 3.7b 37 1-61
IDC XI 27 21 20 21.2–1.3 22.74N 93.47E 0 3.6b,3.5L **¶621625147**
NDI XI 27 21 20 24.0–1.9 22.38N 93.39E 46–201 3.6W,3.0L
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=13.6km az=14.0.
UNK Event type se. Error ellipse: s-maj=98.4km s-min=29.1km az=-1.0. Presumed earthquake.
ISC XI 29 13 24 25.8–.46 22.80N–.05 93.36E–.05 53 4.3b 101 2-84
NDI XI 29 13 24 19.3–2.0 22.83N 93.07E 35–106 4.0W,3.8L **¶621626972**
NEIC XI 29 13 24 26.6–.96 22.81N–.09 93.45E–.06 55–5 4.4b,3.8L
IDC XI 29 13 24 27.4–2.3 22.71N 93.40E 69–28 4.0,3.8b
BKK XI 29 13 24 31.8–.70 23N–4.0 94E–6.0 12–6 4.3b,4.2
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 28 17 21 21.6–.48 24.15N–.04 94.46E–.04 86–4 4.2b 163 1-149
NDI XI 28 17 21 18.8–1.5 24.21N 94.49E 98–12 4.5W,4.2L **¶621883606**
NEIC XI 28 17 21 20.8–2.4 24.23N–.09 94.6E–.10 72–7 4.4b,4.2L
BJI XI 28 17 21 20.8 24.31N 94.46E 87 4.8b,4.3b
BKK XI 28 17 21 20.0–1.6 24N–9.0 95E–10 10 4.8,4.8
IDC XI 28 17 21 21.1–.65 24.07N 94.60E 82–5 4.1,3.8b
GFZ XI 28 17 21 23.2–.25 24N–5.0 95E–4.0 78–2 5.1b,4.5
ISC Event type se.
UNK Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 10 13 09 15.9–.99 23.0N–.10 93.24E–.10 10 3.5b 27 2-61
IDC XII 10 13 09 14.0–1.4 22.96N 93.39E 0 4.1s,3.3b **¶621644131**
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=14.5km az=8.0.
ISC XII 13 02 32 52.3–1.1 24.24N–.06 93.35E–.06 35 3.8b 39 1-62
IDC XII 13 02 32 47.0–1.1 24.02N 93.71E 0 3.9L,3.7 **¶621650547**
NDI XII 13 02 32 53.1–2.2 24.25N 93.51E 28–11 3.6W,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=19.3km az=140.0.
NDI Event type se. Error ellipse: s-maj=15.7km s-min=8.9km az=-1.0. Presumed earthquake.
ISC XII 12 12 08 25.0–.54 23.67N–.04 94.70E–.04 121–5 4.4b 340 2-150
GFZ XII 12 12 08 24.6–.17 24N–3.0 95E–3.0 108 5.3b,4.8 **¶621627805**
IDC XII 12 12 08 25.3–.66 23.62N 94.78E 123–6 4.4,4.0b
NEIC XII 12 12 08 25.4–1.7 23.66N–.06 94.75E–.06 119–7 4.5b,4.0b
NDI XII 12 12 08 25.7–2.1 23.72N 94.64E 137–26 4.1L,4.1W
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=9.5km s-min=8.7km az=4.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.9km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=14.3km s-min=11.0km az=-1.0. Presumed earthquake.
ISC XII 10 11 38 42.8–1.3 22.7N–.20 93.2E–.20 50 3.5b 21 1-61
IDC XII 10 11 38 36.3–1.3 22.64N 93.57E 0 3.8s,3.4b **¶621644125**
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=17.0km az=15.0.
ISC XII 16 20 13 19.4–.36 23.15N–.04 93.78E–.04 58 4.5b,3.4s 215 2-145
IDC XII 16 20 13 11.5–.45 23.07N 93.96E 0 4.4b,4.4 **¶621631480**
BKK XII 16 20 13 17.7–1.2 23N–6.0 94E–9.0 10 4.6b,4.5L
NDI XII 16 20 13 19.0–2.0 23.27N 93.71E 98–158 4.4L,4.3W
NEIC XII 16 20 13 20.7–1.2 23.14N–.04 93.88E–.06 66–5 4.5b,4.3W
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 27 18 42 54.2–1.8 24.70N 94.35E 0 3.5b,3.4 ¶621717331
IDC Error ellipse: s-maj=145.3km s-min=21.8km az=59.0.
ISC XII 21 05 04 15.6–.38 27.54N–.05 97.00E–.04 35 4.4b,3.6s 143 3-147
IDC XII 21 05 04 11.9–.54 27.47N 97.16E 0 4.3b,4.2 **¶621635041**
NEIC XII 21 05 04 14.8–1.1 27.68N–.08 96.99E–.04 44–8 4.5b,4.2
BJI XII 21 05 04 14.6 27.56N 96.99E 34 4.7b,4.4b
GFZ XII 21 05 04 15.3–.22 28N–3.0 97E–3.0 10 5.0b,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

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ISC VII 04 16 57 10.1–.41 26.54N–.06 96.56E–.04 10 4.0b 119 2-88
BKK VII 04 16 57 08.4–1.3 27N–12 97E–5.0 10 4.5L,4.3 **¶620823804**
IDC VII 04 16 57 09.3–.64 26.56N 96.76E 0 4.4L,3.7b
NEIC VII 04 16 57 10.3–1.4 26.61N–.07 96.54E–.06 10–1 4.6b,3.7b
GFZ VII 04 16 57 11.5–.50 27N–4.0 97E–7.0 10 4.0b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 09 00 26 26.1–.41 24.93N–.05 95.07E–.04 104 4.4b 175 1-144
BJI VII 09 00 26 23.1 24.86N 95.11E 89 4.4b,4.3b **¶620786358**
IDC VII 09 00 26 25.8–1.7 24.82N 95.17E 107–16 4.3,3.9b
BKK VII 09 00 26 25.8–.80 25N–9.0 95E–7.0 112–20 4.6b,4.4
NDI VII 09 00 26 25.7–2.2 24.95N 95.17E 113–15 4.0L,3.7W
GFZ VII 09 00 26 26.6–.24 25N–4.0 95E–4.0 95–3 4.3b,4.3
NEIC VII 09 00 26 26.5–1.6 25.03N–.08 95.23E–.09 102–7 4.6b,4.3
ISC Event type se.
NDI Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 13 23 40 49.8–.66 22.40N–.05 94.14E–.06 35 3.8b 39 1-67
IDC VII 13 23 40 44.6–.80 22.53N 94.27E 0 4.0L,3.6b **¶620928569**
NDI VII 13 23 40 47.8–3.5 22.00N 93.97E 40 3.7L,3.6b
BKK VII 13 23 40 48.5–.30 23N–3.0 94E–3.0 10 4.0b,3.9b
NEIC VII 13 23 40 50.9–2.3 22.45N–.07 94.21E–.06 42–9 4.5b,3.9b
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 14 20 10 52.6–.87 22.40N–.05 94.12E–.04 46–8 4.1b,3.2s 143 1-154
BJI VII 14 20 10 50.8 22.19N 94.04E 51 4.4b,4.0b **¶620829330**
GFZ VII 14 20 10 52.0–.21 22N–3.0 94E–3.0 40 4.5b,4.5
NEIC VII 14 20 10 53.1–1.2 22.46N–.06 94.16E–.06 39–4 4.2b,4.5
IDC VII 14 20 10 54.0–1.6 22.37N 94.17E 56–14 3.9,3.6b
BKK VII 14 20 10 56.3–4.6 22N–23 95E–31 10 4.0,4.0
NDI VII 14 20 10 58.7–2.5 22.77N 93.95E 10 3.4L,4.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.0km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.1km s-min=9.1km az=36.0.
NDI Event type se. Error ellipse: s-maj=19.1km s-min=12.0km az=-1.0. Presumed earthquake.
ISC VII 29 08 39 27.9–.40 22.89N–.03 95.92E–.02 14–2 5.4b 992 1-164
IDC VII 29 08 39 25.5–.30 22.83N 95.90E 0 6.4s,5.3L **¶620857948**
MOS VII 29 08 39 25.1–.99 22.78N 95.89E 10 5.5b,5.3L
NDI VII 29 08 39 26.5–4.1 22.88N 96.30E 15–18 5.0L,5.3L
BJI VII 29 08 39 26.4 22.92N 95.93E 10 5.9s,5.9
NEIC VII 29 08 39 27.7–1.4 22.86N–.05 96.00E–.06 10–1 5.5b,5.9
GFZ VII 29 08 39 28.2–.08 23N–2.0 96E–2.0 10 6.3,5.5b
BKK VII 29 08 39 28.2–.40 23N–4.0 96E–4.0 10 6.8L,6.4
BGR VII 29 08 39 38.9 23.95N 95.24E 33 5.1b,6.4
ISC Event type ke.
IDC Error ellipse: s-maj=9.7km s-min=6.7km az=50.0.
MOS Error ellipse: s-maj=6.7km s-min=3.6km az=115.8.
NDI Event type se. Error ellipse: s-maj=9.1km s-min=13.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.6km az=41.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=4.3km s-min=3.0km az=46.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

BGR Event type ke.
BKK VII 28 19 28 25.7–1.1 19N–14 95E–8.0 10 4.6b,3.8 ¶622281607
ISC VIII 06 18 49 55.7–.54 22.46N–.05 94.15E–.04 35 4.1b 83 1-85
NEIC VIII 06 18 49 56.9–1.2 22.52N–.06 94.21E–.05 40–7 4.4b **¶620998918**
BKK VIII 06 18 49 56.0–3.0 23N–17 94E–31 102–57 3.7,3.7
NDI VIII 06 18 49 57.7–1.8 22.53N 94.24E 10 3.1L,3.7
IDC VIII 06 18 49 58.8–2.2 22.38N 94.21E 70–22 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.4km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=12.7km s-min=10.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=27.3km s-min=12.9km az=39.0.
ISC VIII 05 10 54 39.1–1.0 21.2N–.30 94.6E–.20 100 3.5b 9 3-59
IDC VIII 05 10 54 38.4–1.3 21.21N 94.64E 92–16 3.7,3.3b **¶620998802**
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=9.4km az=38.0.
BKK VIII 05 11 04 58.6–1.1 20N–8.0 94E–9.0 55–70 4.6b,4.1L ¶622281612
ISC VIII 06 20 16 07.2–.55 21.36N–.04 94.69E–.04 113–5 4.4b 171 2-154
IDC VIII 06 20 16 07.8–.81 21.31N 94.60E 118–6 4.1,3.7b **¶620976234**
NEIC VIII 06 20 16 07.4–1.5 21.41N–.06 94.74E–.06 110–6 4.5b,3.7b
BKK VIII 06 20 16 07.6–.30 21N–4.0 95E–4.0 103–4 4.4b,4.3
NDI VIII 06 20 16 08.9–5.3 21.40N 94.58E 19–144 3.9L,4.3
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=10.3km az=59.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.2km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=144.3km s-min=64.5km az=-1.0. Presumed earthquake.
IDC VIII 14 21 21 15.1–7.7 21.99N 95.60E 0 3.5b,3.5 ¶621013563
IDC Error ellipse: s-maj=681.7km s-min=30.2km az=59.0.
ISC VIII 09 15 48 29.5–.47 20.51N–.04 92.18E–.05 10 3.9b,3.4s 112 2-86
BKK VIII 09 15 48 26.9–.70 20N–4.0 92E–6.0 10 4.7b,4.7b **¶620979438**
IDC VIII 09 15 48 28.1–.79 20.38N 92.17E 0 4.5L,3.8b
GFZ VIII 09 15 48 30.5–.24 20N–3.0 92E–4.0 10 4.5b,4.5
NEIC VIII 09 15 48 30.4–1.3 20.45N–.08 92.3E–.10 10–1 4.2b,4.5
NDI VIII 09 15 48 31.5–3.7 20.46N 92.26E 20 4.0W,4.5
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=11.4km az=47.0.
GFZ Error ellipse: s-maj=8.1km s-min=5.6km az=115.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=10.2km az=236.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=17.5km s-min=15.4km az=-1.0. Presumed earthquake.
ISC VIII 10 03 18 13.3–.49 22.52N–.03 95.93E–.03 17–2 4.8b,4.0s 370 1-151
IDC VIII 10 03 18 10.3–.44 22.52N 95.95E 0 4.5L,4.4b **¶620979403**
GFZ VIII 10 03 18 12.2–.18 22N–3.0 96E–3.0 10 4.8b,4.6
NEIC VIII 10 03 18 12.1–1.2 22.45N–.05 95.91E–.06 10–1 4.8b,4.6
BJI VIII 10 03 18 13.3 22.59N 95.87E 18 5.3L,5.0b
NDI VIII 10 03 18 13.7–3.2 22.38N 96.09E 10 4.7L,5.0b
GCMT VIII 10 03 18 14.8–.30 22.43N–.02 96.01E–.02 27–1 4.9W,5.0b
BKK VIII 10 03 18 15.0–.30 22N–2.0 96E–3.0 10 5.7L,5.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108100318A. Moment Tensor Solution. s22,c27; s95,c140; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.36±.10 $M_{\theta\theta}$0.34±.07; $M_{\phi\phi}$0.02±.07; $M_{r\theta}$1.77±.16; $M_{\theta\phi}$1.85±.06; $M_{\phi r}$0.04±.12; Best double couple: NP1:ϕ_s4.00000°,δ46.00000°,λ-173.00000°. NP2:ϕ_s269.00000°,δ85.00000°,λ-45.00000°. Principal axes: T 2.6860,Plg26.0000°,Azm325.0000°; N -0.2160,Plg45.0000°,Azm84.0000°; P -2.4700,Plg34.0000°,Azm216.0000° $M_0$2.57800×10^{16}
IDC VIII 14 07 31 33.1–3.7 24.10N 95.46E 128–38 3.4,3.1b ¶621013460
IDC Error ellipse: s-maj=149.0km s-min=23.1km az=60.0.
BKK VIII 11 02 17 18.6–.80 19N–5.0 95E–6.0 49–103 4.6b,3.8 ¶622281620
ISC VIII 17 22 49 39.1–.85 26.58N–.10 96.36E–.07 88 3.5b 27 8-65
IDC VIII 17 22 49 39.7–3.3 26.58N 96.61E 90–35 3.6,3.2b **¶621030313**
ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=19.9km az=72.0.
ISC VIII 22 12 22 03.1–.40 22.21N–.03 94.62E–.04 124–3 4.7b 310 0-158
GFZ VIII 22 12 22 03.0–.14 22N–2.0 95E–3.0 116 4.7b,4.4 **¶620999540**
BJI VIII 22 12 22 02.5 22.31N 94.64E 126 4.7b,4.7b
BKK VIII 22 12 22 02.7–.60 22N–4.0 95E–5.0 135–12 4.5,4.4b
NDI VIII 22 12 22 02.5–3.4 22.22N 94.59E 18–16 4.1L,4.4b
IDC VIII 22 12 22 03.5–.64 22.25N 94.64E 125–5 4.3,3.9b
NEIC VIII 22 12 22 03.9–2.1 22.26N–.06 94.67E–.05 122–4 4.6b,3.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 25 06 06 10.4–.53 20.98N–.05 96.86E–.06 10 4.2b,3.6s 60 0-95
IDC VIII 25 06 06 09.2–.80 20.98N 96.85E 0 4.1b,4.1 **¶621058904**
NEIC VIII 25 06 06 11.5–1.9 20.89N–.04 96.90E–.05 10–1 4.4b,4.1
NDI VIII 25 06 06 13.5–2.5 20.06N 96.77E 15 4.0L,4.1
BKK VIII 25 06 06 14.8–5.7 21N–17 97E–17 9–29 4.9L,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Presumed earthquake.
ISC VIII 24 02 15 09.8–.35 25.07N–.04 96.27E–.03 10 4.6b,3.7s 320 1-145
NDI VIII 24 02 15 02.7–2.4 24.57N 96.98E 10 4.0L,3.7s **¶621001075**
IDC VIII 24 02 15 07.9–.48 25.08N 96.23E 0 4.7L,4.3b
BKK VIII 24 02 15 09.9–.80 25N–8.0 96E–4.0 5 5.2L,5.0
BJI VIII 24 02 15 09.7 25.01N 96.17E 25 4.6b,4.5b
GFZ VIII 24 02 15 10.0–.19 25N–3.0 96E–4.0 10 4.7b,4.4
NEIC VIII 24 02 15 10.3–1.5 25.09N–.04 96.26E–.07 10–1 4.6b,4.4
ISC Event type se.
NDI Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 19 18 17 41.4–.86 20.5N–.10 93.85E–.10 52 3.4b 42 4-68
IDC IX 19 18 17 34.1–1.3 20.31N 93.70E 0 4.0L,3.5b **¶621113634**
BKK IX 19 18 17 41.1–1.7 20N–6.0 94E–14 30 4.0,4.0
ISC Event type se.
ISC VIII 27 04 34 30.2–1.1 24.7N–.10 95.13E–.10 112 3.6b 17 4-61
IDC VIII 27 04 34 32.5–3.2 24.47N 95.04E 140–35 3.7,3.1b **¶621072124**
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=21.2km az=42.0.
ISC VIII 31 11 01 00.9–1.8 23.5N–.30 95.0E–.50 10 3.8b 9 5-60
IDC VIII 31 11 00 54.9–1.6 22.00N 92.37E 0 3.7L,3.7b **¶621076608**
BKK VIII 31 11 00 57.0–.80 24N–8.0 96E–6.0 10 4.4L,4.1
ISC Event type se.
ISC IX 04 12 05 15.4–.58 26.54N–.04 96.48E–.03 99–5 4.5b 393 1-88
BKK IX 04 12 05 12.7–1.4 27N–9.0 97E–5.0 16–13 4.8,4.8b **¶621035305**
BJI IX 04 12 05 13.5 26.48N 96.45E 108 4.7b,4.6b
NDI IX 04 12 05 13.2–2.2 26.73N 96.56E 123–20 4.3L,4.6b
NEIC IX 04 12 05 15.8–.94 26.51N–.09 96.56E–.09 98–3 4.5b,4.6b
MOS IX 04 12 05 17.0–.79 26.40N 96.53E 136 4.5b,4.6b
GFZ IX 04 12 05 17.5–.58 26N–7.0 97E–6.0 116–8 4.5b,4.3
IDC IX 04 12 05 17.3–1.8 26.48N 96.57E 119–16 4.3,4.0b
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=11.1km s-min=13.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.4km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.8km s-min=4.5km az=123.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=16.5km s-min=9.4km az=55.0.
ISC IX 02 04 17 59.1–.93 22.8N–.10 94.4E–.10 105 3.6b 33 3-60
IDC IX 02 04 17 59.5–2.5 22.74N 94.52E 113–30 3.6,3.2b **¶621080658**
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=16.6km az=42.0.
BKK IX 22 20 56 56.8–.50 20N–4.0 98E–5.0 8–6 4.2L,4.1 ¶621309637
ISC IX 19 17 30 49.6–.80 20.44N–.07 93.79E–.07 52 3.7b 42 3-68
IDC IX 19 17 30 42.7–1.1 20.35N 93.81E 0 4.0L,3.7b **¶621113631**
BKK IX 19 17 30 50.8–.80 21N–5.0 94E–8.0 40 3.8,3.8
ISC Event type se.
ISC IX 22 15 02 36.1–4.7 20.0N–.20 97.4E–.30 38–14 27 1-15
DJA IX 22 15 02 36.5–.90 20N–6.0 97E–4.0 38–14 6.0b,5.7 **¶622281658**
BKK IX 22 15 02 37.2–.40 20N–2.0 98E–3.0 1 3.1L,2.8
ISC Event type se.
ISC X 07 18 28 04.4–.21 22.30N–.02 94.68E–.02 125–1 5.3b 1705 1-164
BGR X 07 18 27 52.6 21.68N 94.64E 33 5.2b,4.6s **¶621131627**
NEIC X 07 18 28 03.7–1.6 22.31N–.05 94.77E–.06 110–1 5.4b,5.4
BJI X 07 18 28 03.1 22.29N 94.64E 130 5.7b,5.5b
NEIC X 07 18 28 03.7 22.32N 94.77E 110 5.7b,5.5b
BKK X 07 18 28 04.3–.40 22N–3.0 95E–5.0 123–7 5.7,5.6b
GCMT X 07 18 28 04.9–.10 22.21N–.01 94.79E–.01 139–0 5.5W,5.6b
NEIC X 07 18 28 04.2 22.32N 94.74E 114 5.5W,5.6b
NEIC X 07 18 28 04 22.32N 94.12E 130 5.5,5.6b
IDC X 07 18 28 04.2–.36 22.37N 94.78E 120–2 5.3,4.9b
MOS X 07 18 28 04.3–.91 22.31N 94.85E 138 5.3b,4.9b
GFZ X 07 18 28 05.2 22.27N 94.78E 121 5.5W,4.9b
GFZ X 07 18 28 05.2–.11 22N–2.0 95E–1.0 124–1 5.8b,5.5
NDI X 07 18 28 11.2–3.9 22.42N 94.06E 115–11 5.6L,5.6b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.2km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.27 $M_{r\theta}$-1.17 $M_{\theta\phi}$-0.30 $M_{\phi r}$-0.95 NP1:ϕ_s73.27000°,δ17.79000°,λ108.51000°. NP2:ϕ_s233.91000°,δ73.16000°,λ84.18000°. Principal axes: T 1.9045,Plg61.0000°,Azm135.0000°; N -0.1793,Plg6.0000°,Azm236.0000°; P -1.7252,Plg28.0000°,Azm329.0000° $M_0$1.82000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110071828A. Moment Tensor Solution. s119,c202; s149,c326;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.14±.03 $M_{\theta\theta}$-2.17±.03; $M_{\phi\phi}$0.03±.03; $M_{r\theta}$-0.95±.03; $M_{\theta\phi}$-0.34±.03; $M_{\phi r}$-1.08±.03; Best double couple: NP1:ϕ_s99.00000°,δ34.00000°,λ122.00000°. NP2:ϕ_s242.00000°,δ61.00000°,λ70.00000°. Principal axes: T 2.7100,Plg67.0000°,Azm114.0000°; N -0.2060,Plg17.0000°,Azm252.0000°; P -2.5020,Plg14.0000°,Azm346.0000° $M_0$2.60600×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.04 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$-0.95 $M_{r\theta}$-1.03 $M_{\theta\phi}$-0.53 $M_{\phi r}$-0.48 NP1:ϕ_s44.86000°,δ29.44000°,λ79.84000°. NP2:ϕ_s236.49000°,δ61.07000°,λ95.69000°. Principal axes: T 2.3762,Plg73.0000°,Azm161.0000°; N -0.5091,Plg5.0000°,Azm54.0000°; P -1.8670,Plg16.0000°,Azm322.0000° $M_0$2.17000×10^{17}
IDC Error ellipse: s-maj=7.6km s-min=5.7km az=33.0.
MOS Error ellipse: s-maj=6.2km s-min=3.1km az=121.7.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$-1.67 $M_{\phi\phi}$0.03 $M_{r\theta}$-0.75 $M_{\theta\phi}$-0.20 $M_{\phi r}$-0.77 NP1:ϕ_s100.03158°,δ34.09509°,λ120.60102°. NP2:ϕ_s244.49773°,δ61.15123°,λ70.98637°. Principal axes: T 2.0613,Plg67.9322°,Azm116.6787°; N -0.1561,Plg16.5804°,Azm253.9377°; P -1.9051,Plg14.1453°,Azm348.2411° $M_0$1.98779×10^{17}
GFZ Error ellipse: s-maj=3.9km s-min=2.8km az=31.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NDI Event type se. Error ellipse: s-maj=6.6km s-min=13.1km az=-1.0. Presumed earthquake.
ISC X 02 22 01 42.1–1.8 24.90N–.05 96.38E–.04 5–12 3.8b 54 2-60
IDC X 02 22 01 41.3–1.0 24.58N 95.71E 0 4.1L,3.6b **¶621117006**
NDI X 02 22 01 41.4–1.8 24.64N 96.62E 10 3.5L,3.6b
NEIC X 02 22 01 42.7–.64 24.93N–.09 96.40E–.04 10–2 4.2b,3.6b
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 02 11 03 12.7–.98 21.55N–.08 94.15E–.07 100 3.5b 37 4-59
NDI X 02 11 03 13.8–1.4 21.59N 94.24E 158–72 3.9L **¶621186061**
IDC X 02 11 03 15.7–5.1 21.64N 94.66E 116–41 3.6,3.3b
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=17.3km s-min=9.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=109.2km s-min=17.5km az=61.0.
ISC X 16 20 05 53.2–.78 26.67N–.08 96.03E–.07 83 3.6b 47 1-66
NDI X 16 20 05 51.5–1.4 26.74N 96.31E 97–9 3.7L **¶621242139**
IDC X 16 20 05 53.9–3.7 26.70N 96.44E 92–37 3.6,3.3b
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=6.5km s-min=8.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=39.5km s-min=14.5km az=57.0.
ISC X 09 16 05 14.6–.84 21.13N–.08 93.14E–.07 35 3.4b 52 5-60
IDC X 09 16 05 09.0–1.5 20.90N 92.97E 0 3.7L,3.5b **¶621235334**
NDI X 09 16 05 14.2–2.7 21.19N 92.80E 10 3.2L,3.5b
BKK X 09 16 05 15.5–.80 21N–6.0 93E–8.0 72–29 4.1b,3.9
ISC Event type se.
NDI Event type se. Presumed earthquake.
ISC X 19 15 48 36.6–1.3 22.4N–.40 94.2E–.30 88 3.6b 14 8-60
IDC X 19 15 48 25.6–7.9 22.36N 94.24E 0 3.7s,3.5b **¶621244090**
ISC Event type se.
IDC Error ellipse: s-maj=649.6km s-min=30.5km az=60.0.
ISC X 26 15 51 14.5–2.7 18.8N–.20 94.4E–.20 35 24 3-57
IDC X 26 15 51 10.9–3.8 18.50N 94.52E 0 3.7L,3.3b **¶621366482**
BKK X 26 15 51 11.5–.80 19N–4.0 94E–7.0 10 4.6b,4.1b
ISC Event type se.
ISC X 26 11 19 54.2–.82 24.27N–.09 96.09E–.09 10 3.7b 41 2-67
IDC X 26 11 19 50.7–1.1 24.02N 95.53E 0 3.6L,3.6b **¶621366471**
NDI X 26 11 19 51.0–1.8 24.33N 96.12E 10 3.8W,3.6b
BKK X 26 11 19 52.0–.80 24N–8.0 96E–4.0 10 4.3,4.3b
ISC Event type se.
NDI Event type se. Presumed earthquake.
IDC X 24 12 55 00.5–1.6 21.98N 93.34E 0 3.9L,3.5b ¶621366395
IDC Error ellipse: s-maj=59.9km s-min=17.8km az=45.0.
ISC XI 02 13 29 31.3–.73 26.60N–.04 96.78E–.03 11–4 4.8b,3.5s 310 1-148
BJI XI 02 13 29 29.7 26.59N 96.70E 11 4.8b,4.5b **¶621254046**
IDC XI 02 13 29 29.7–.47 26.61N 96.81E 0 4.3b,4.3
NEIC XI 02 13 29 31.9–.97 26.65N–.07 96.80E–.08 10–1 4.8b,4.3
GFZ XI 02 13 29 33.4–.22 27N–4.0 97E–5.0 10 6.0b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC XI 05 16 59 03.1–1.2 21.98N 93.19E 0 3.9L,3.2b ¶621413980
IDC Error ellipse: s-maj=54.2km s-min=11.5km az=32.0.
ISC XI 02 12 45 55.4–.91 24.73N–.09 95.02E–.07 112 3.5b 34 1-61

NDI XI 02 12 45 55.3–2.7 24.74N 95.24E 25–53 3.6L,3.6W ¶621401342
IDC XI 02 12 45 57.3–3.5 24.77N 95.36E 130–34 3.6,3.2b
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=36.5km s-min=28.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=63.9km s-min=16.5km az=62.0.
IDC XI 27 23 52 25.0–4.0 26.62N 96.28E 112–43 3.2,2.9b
¶621625152
IDC Error ellipse: s-maj=69.2km s-min=20.3km az=70.0.
ISC XI 20 11 12 16.5–.30 24.61N–.04 95.10E–.04 112 4.6b 233 1-144
BKK XI 20 11 12 17.6–2.4 25N–19 95E–10 126–16 4.5,4.5b ¶621427717
NDI XI 20 11 12 17.1–1.9 24.52N 95.45E 99–26 4.8L,4.5W
GFZ XI 20 11 12 18.9–.16 25N–3.0 95E–3.0 138 4.8b,4.6b
NEIC XI 20 11 12 18.8–1.4 24.64N–.08 95.12E–.07 129–5 4.6b,4.6b
BJI XI 20 11 12 19.0 24.96N 95.13E 121 4.8b,4.8b
IDC XI 20 11 12 20.3–2.7 24.62N 95.30E 150–25 4.4,4.1s
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=12.0km s-min=15.4km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.0km az=217.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.2km s-min=9.1km az=60.0.
ISC XI 24 15 35 30.9–.91 21.6N–.30 94.5E–.20 97 33 3-59
IDC XI 24 15 35 31.6–2.4 21.68N 94.60E 100–26 3.5,3.1b ¶621613991
ISC Event type se.
IDC Error ellipse: s-maj=91.7km s-min=19.0km az=26.0.
ISC XI 12 17 48 15.5–.48 25.30N–.05 96.64E–.03 10 4.1b,3.4s 106 2-81
IDC XI 12 17 48 13.8–.66 25.44N 96.78E 0 3.9b,3.9 ¶621401795
BJI XI 12 17 48 14.8 25.37N 96.58E 21 4.6b,4.2s
NEIC XI 12 17 48 17.0–1.4 25.43N–.07 96.64E–.08 20–5 4.3b,4.2s
BKK XI 12 17 48 20.0–.90 25N–7.0 97E–6.0 6–7 4.6L,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 08 02 18 33.0–.35 24.71N–.04 95.07E–.04 121–3 4.4b 284 1-160
NDI XI 08 02 18 27.7–2.8 24.84N 94.93E 148–15 4.5W,4.0L ¶621372499
BJI XI 08 02 18 31.8 24.85N 95.12E 109 4.5b,4.0L
BKK XI 08 02 18 32.5–.80 25N–8.0 95E–5.0 118–11 4.9,4.8b
GFZ XI 08 02 18 32.9–.19 25N–4.0 95E–3.0 116 4.8b,4.5b
IDC XI 08 02 18 33.6–.46 24.61N 95.10E 124–3 4.3,3.9b
NEIC XI 08 02 18 33.7–1.8 24.71N–.03 95.17E–.08 121–4 4.5b,3.9b
ISC Event type se.
NDI Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 10 06 13 59.1–.80 26.57N–.07 96.22E–.06 100 4.0b 50 1-77
NDI XI 10 06 13 54.3–2.4 26.72N 96.44E 131–17 4.5W,4.0L ¶621385771
IDC XI 10 06 14 02.1–4.1 26.51N 96.59E 119–43 4.1,3.8b
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=11.3km s-min=13.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=64.4km s-min=14.1km az=59.0.
ISC XI 28 01 32 50.2–.47 26.94N–.04 96.33E–.03 14–2 4.6b,3.5s 290 2-147
NDI XI 28 01 32 45.1–1.2 27.22N 96.86E 61–19 4.8W,4.1L ¶621480564
MOS XI 28 01 32 46.9–1.2 26.74N 96.38E 10 4.8b,4.1L
IDC XI 28 01 32 47.2–.51 26.87N 96.57E 0 4.3b,4.3
BJI XI 28 01 32 48.0 26.96N 96.27E 9 4.9b,4.6b
NEIC XI 28 01 32 51.0–2.5 27.04N–.02 96.30E–.08 10–1 4.6b,4.6b
GFZ XI 28 01 32 51.0–.20 27N–3.0 96E–4.0 23 5.5b,4.9
ISC Event type se.
UNK Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 29 21 22 05.2–.49 20.43N–.05 93.93E–.05 52 4.2b 120 2-85
IDC XI 29 21 21 58.5–.75 20.29N 93.86E 0 4.0b,4.0 ¶621499055
BKK XI 29 21 22 04.9–1.2 20N–4.0 94E–11 10 4.5b,4.4L
NDI XI 29 21 22 04.6–.84 20.18N 93.94E 140–62 4.5L,4.3W
NEIC XI 29 21 22 06.7–2.0 20.54N–.08 94.07E–.07 62–7 4.2b,4.3W
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 28 17 02 24.4–.45 26.89N–.05 96.37E–.05 35 4.1b 90 2-76
NDI XI 28 17 02 13.9–.80 27.50N 96.92E 50–999 3.6L ¶621480967
IDC XI 28 17 02 19.6–.68 26.82N 96.57E 0 3.8L,3.8b
NEIC XI 28 17 02 20.8–2.3 27.04N–.08 96.53E–.09 10–1 4.4b,3.8b
BJI XI 28 17 02 21.8 27.04N 96.32E 12 4.4b,4.0b
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=9.5km s-min=7.4km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=28.9km s-min=12.9km az=61.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=11.0km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 06 00 25 40.9–.56 23.38N–.03 96.05E–.03 18–2 4.8b,4.1s 412 1-164
IDC XII 06 00 25 37.5–.39 23.38N 96.14E 0 4.8L,4.4b ¶621613040
NDI XII 06 00 25 37.5–1.4 24.14N 96.43E 15–999 4.9W,4.3L
MOS XII 06 00 25 38.3–1.1 23.34N 96.18E 16 4.9b,4.2s
NEIC XII 06 00 25 39.8–1.6 23.44N–.06 96.11E–.07 10–1 5.0b,4.2s
BKK XII 06 00 25 39.4–.40 23N–3.0 96E–4.0 10 6.0L,5.5
GFZ XII 06 00 25 41.0–.20 23N–3.0 96E–3.0 10 5.3L,5.2b
GCMT XII 06 00 25 42.5–.20 23.26N–.02 96.18E–.01 16–1 4.9W,5.2b
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112060025A. Moment Tensor Solution. s19,c23; s83,c125; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.73±.12 $M_{\theta\theta}$1.81±.08; $M_{\phi\phi}$-2.54±.10; $M_{r\theta}$1.15±.34; $M_{\theta r}$-0.41±.07; $M_{\phi r}$-1.05±.27; Best double couple: NP1:ϕ_s46.00000°,δ54.00000°,λ165.00000°. NP2:ϕ_s145.00000°,δ78.00000°,λ37.00000°. Principal axes:
T 2.7040,Plg34.0000°,Azm12.0000°; N 0.1440,Plg51.0000°,Azm160.0000°
; P -2.8500,Plg16.0000°,Azm271.0000° $M_0$2.77700×10^{16}
ISC XII 04 08 34 25.3–1.4 26.4N–.30 96.3E–.20 35 3.9b 11 8-62
IDC XII 04 08 34 19.2–3.8 25.79N 95.43E 0 3.6b,3.6 ¶621630655
ISC Event type se.
IDC Error ellipse: s-maj=387.3km s-min=27.0km az=59.0.
BKK XII 21 22 26 38.5–.40 21N–4.0 99E–3.0 10 3.8L,3.6
¶621828474
ISC XII 10 04 14 44.4–.86 25.2N–.10 96.19E–.06 35 4.2b,3.7s 48 2-69
IDC XII 10 04 14 38.0–.76 25.93N 96.52E 0 4.0L,3.8b ¶621626224
NDI XII 10 04 14 38.5–1.3 25.79N 96.90E 124–29 4.2W,4.0L
NEIC XII 10 04 14 54.4–2.0 25.5N–.10 95.46E–.10 66–16 4.2b,4.0L
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 16 10 51 29.0–5.5 19.14N 94.34E 0 3.9b,3.7
¶621655771
IDC Error ellipse: s-maj=125.1km s-min=15.7km az=26.0.
ISC XII 10 08 32 56.3–3.8 22.8N–.50 94.4E–.20 100 4.0b 23 6-60
IDC XII 10 08 32 33.6–1.7 21.59N 93.25E 0 3.8b,3.8 ¶636160899
ISC Event type ke.
IDC Error ellipse: s-maj=71.1km s-min=23.1km az=51.0.
ISC XII 24 12 47 29.9–.61 18.47N–.05 96.27E–.05 10 3.9b,3.5s 77 1-74
IDC XII 24 12 47 29.6–1.1 18.54N 96.38E 0 4.0L,3.7b ¶621652976
BKK XII 24 12 47 30.1–2.4 18N–3.0 96E–5.0 8–20 5.2L,4.9
NEIC XII 24 12 47 30.3–.88 18.48N–.07 96.27E–.07 14–4 4.2b,4.9
NDI XII 24 12 47 36.3–1.1 18.67N 96.24E 80–31 4.3L,4.3W
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=12.1km az=26.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.7km az=217.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=13.3km s-min=26.8km az=-1.0. Presumed earthquake.
ISC XII 24 13 22 29.3–.98 22.53N–.08 94.19E–.06 88 3.7b 35 3-60
IDC XII 24 13 22 16.0–1.9 21.63N 92.95E 0 3.9L,3.6b ¶621700086
NDI XII 24 13 22 30.8–2.5 22.56N 94.20E 28–140 3.7W,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=83.5km s-min=19.8km az=55.0.
NDI Event type se. Error ellipse: s-maj=101.9km s-min=46.3km az=-1.0. Presumed earthquake.
ISC XII 27 20 13 14.4–.34 22.96N–.04 94.01E–.04 10 4.7b,3.6s 408 2-125
BJI XII 27 20 13 12.1 22.83N 93.94E 16 4.8b,4.4b ¶621654277
BKK XII 27 20 13 16.7–.50 23N–5.0 94E–6.0 10 4.6b,4.6b
IDC XII 27 20 13 17.2–2.5 22.91N 94.19E 34–19 4.3,4.1L
GFZ XII 27 20 13 18.7–.17 23N–4.0 94E–3.0 46 4.9b,4.7b
NEIC XII 27 20 13 18.4–1.0 22.93N–.06 94.17E–.07 40–5 4.7b,4.7b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(297) Myanmar-China border region.

PLV VII 11 20 20 19.0–.48 21.91N 101.81E 3–999 3.0L
BKK VII 11 20 20 06.9–1.3 22N–13 101E–6.0 3–7 3.6,3.5 ¶622281589
PLV Event type se. Presumed earthquake.
BKK VII 21 18 32 54.5–1.3 25N–13 98E–9.0 5 4.1b,4.1b
¶622281597
ISC XI 02 21 15 11.3–1.5 22.12N–.08 101.97E–.06 10 13 1-4
PLV XI 02 21 15 08.2–1.4 22.20N 101.79E 16–999 2.8L ¶622281699
BKK XI 02 21 15 12.8–.50 22N–3.0 102E–2.0 10 3.4L,3.2
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC IX 06 00 45 12.1–.95 21.51N–.09 100.8E–.10 10 3.5b,3.1s 19 2-56
BKK IX 06 00 45 10.6–.80 22N–7.0 101E–4.0 10 4.4,4.3L ¶621094218
IDC IX 06 00 45 10.2–1.0 21.43N 100.74E 0 3.7L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=12.3km az=104.0.
ISC XI 16 05 22 49.8–.28 22.24N–.02 101.68E–.03 10 4.7b,4.1s 302 2-123
BKK XI 16 05 22 46.8–1.1 23N–10 102E–4.0 10 5.2,5.1b ¶621409305
IDC XI 16 05 22 47.6–.53 22.29N 101.71E 0 4.4L,4.2b
BJI XI 16 05 22 48.8 22.32N 101.68E 10 4.9b,4.8s
NEIC XI 16 05 22 49.7 22.21N 101.74E 10 4.9b,4.8s
NEIC XI 16 05 22 49.7–.72 22.21N–.05 101.75E–.06 10–1 4.7,4.7b
PLV XI 16 05 22 49.1–1.7 22.39N 101.73E 16–208 4.9L,4.7b
GCMT XI 16 05 22 49.9–.30 22.25N–.02 101.81E–.02 15–1 4.8W,4.7b
GFZ XI 16 05 22 50.9–.16 22N–3.0 102E–3.0 10 5.1b,5.0L
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.29 $M_{\theta\theta}$-1.42 $M_{\phi\phi}$1.13 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.21 $M_{\theta r}$-0.65 NP1:ϕ_s126.82000°,δ67.38000°,λ162.18000°. NP2:ϕ_s223.87000°,δ73.60000°,λ23.64000°. Principal axes: T 1.4912,Plg28.0000°,Azm87.0000°
; N -0.0506,Plg62.0000°,Azm257.0000°; P -1.4406,Plg4.0000°,Azm354.0000°
$M_0$1.47000×10^{16}
PLV Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111160522A. Moment Tensor Solution. s8,c9; s98,c141; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.01±.07 $M_{\theta\theta}$-1.93±.07; $M_{\phi\phi}$1.92±.07; $M_{r\theta}$0.53±.22; $M_{\theta\phi}$-0.48±.06; $M_{\theta r}$-0.52±.23; Best double couple: NP1:ϕ_s218.00000°,δ70.00000°,λ2.00000°. NP2:ϕ_s128.00000°,δ88.00000°,λ160.00000°. Principal axes:
T 2.1410,Plg16.0000°,Azm81.0000°; N -0.0470,Plg69.0000°,Azm303.0000°
; P -2.0960,Plg13.0000°,Azm175.0000° $M_0$2.11800×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 16 16 33 09.2–2.0 22.5N–.10 101.54E–.06 10 14 2-5
PLV XI 16 16 33 11.5–.51 22.36N 101.65E 8–181 2.9L ¶622281717
BKK XI 16 16 33 17.0–.70 22N–6.0 102E–5.0 10 3.1
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XI 16 07 54 49.4–.68 22.30N–.03 101.73E–.03 16–4 4.5b,3.9s 197 2-123
BKK XI 16 07 54 46.8–1.1 22N–10 102E–4.0 10 5.2,5.1 ¶621412338
IDC XI 16 07 54 46.4–.52 22.33N 101.73E 0 4.7L,4.1b
BJI XI 16 07 54 47.0 22.32N 101.68E 10 4.7b,4.6s
PLV XI 16 07 54 48.2–1.5 22.42N 101.73E 15–102 4.7L,4.6s
GCMT XI 16 07 54 48.8–.40 22.26N–.02 101.84E–.02 16–2 4.7W,4.6s
NEIC XI 16 07 54 48.8–1.4 22.30N–.06 101.74E–.04 10–1 4.6b,4.6s
ISC Event type se.
PLV Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111160754A. Moment Tensor Solution. s3,c4; s75,c100; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.06±.07 $M_{\theta\theta}$-0.91±.06; $M_{\phi\phi}$0.85±.06; $M_{r\theta}$-0.31±.20; $M_{\theta\phi}$-0.91±.06; $M_{\theta r}$-0.67±.22; Best double couple: NP1:ϕ_s112.00000°,δ60.00000°,λ179.00000°. NP2:ϕ_s203.00000°,δ89.00000°,λ30.00000°. Principal axes:
T 1.4310,Plg21.0000°,Azm72.0000°; N 0.0720,Plg60.0000°,Azm204.0000°
; P -1.5030,Plg20.0000°,Azm333.0000° $M_0$1.46700×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 16 16 45 11.7–4.4 22.1N–.40 101.5E–.10 10 6 2-3
PLV XI 16 16 45 08.3–1.1 22.41N 101.68E 14–133 3.2L ¶622281719
BKK XI 16 16 45 10.3–1.2 22N–12 102E–6.0 10 3.7L,3.6
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XI 17 16 48 32.2–1.8 22.0N–.10 101.54E–.08 10 16 2-5
PLV XI 17 16 48 26.6–1.6 22.44N 101.73E 16–102 3.3L ¶622281721
BKK XI 17 16 48 30.3–1.1 22N–10 102E–4.0 10 3.5
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XI 16 14 33 46.3–1.6 22.4N–.10 101.67E–.06 10 16 2-5
PLV XI 16 14 33 47.4–.80 22.38N 101.75E 16–52 3.5L ¶622281712
BKK XI 16 14 33 50.8–1.3 22N–14 102E–5.0 10 3.7
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XI 16 15 07 16.9–1.7 22.5N–.10 101.72E–.08 10 10 2-4
PLV XI 16 15 07 17.1–1.5 22.42N 101.72E 16–88 3.4L ¶622281714
BKK XI 16 15 07 23.0–1.0 22N–11 102E–5.0 10 3.8L,3.7
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XI 16 16 05 12.5–4.4 22.4N–.40 101.50E–.10 10 9 2-5
PLV XI 16 16 05 08.8–.77 22.36N 101.60E 16–126 3.3L ¶622281716
BKK XI 16 16 05 14.4–.60 22N–5.0 101E–5.0 10 3.7L,3.5
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XI 16 11 41 16.0–2.0 21.9N–.10 101.61E–.08 10 20 1-6
PLV XI 16 11 41 11.6–1.2 22.40N 101.75E 16–86 3.1L ¶622281711
BKK XI 16 11 41 12.3–.70 22N–7.0 102E–4.0 10 5.5b,4.9
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XI 16 11 57 17.6–.79 22.34N–.07 101.78E–.05 10 3.5b 16 1-64
IDC XI 16 11 57 15.9–1.0 22.23N 101.72E 0 3.6b,3.5L ¶621475678
PLV XI 16 11 57 16.3–1.1 22.39N 101.70E 16–269 3.5L,3.5L
BKK XI 16 11 57 19.6–.70 22N–6.0 102E–3.0 10 4.2L,4.1
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XI 19 14 27 03.7–2.5 22.5N–.10 101.76E–.08 10 8 2-4

BKK XI 19 14 27 04.1–1.2 23N–11 102E–6.0 10 3.7L,3.5 **¶622281722**
PLV XI 19 14 27 05.8–1.4 22.34N 101.79E 10–999 2.9L,3.5
ISC Event type se.
PLV Event type se. Error ellipse: s-maj=10.5km s-min=11.6km az=-1.0. Presumed earthquake.
ISC XII 15 14 25 56.1–2.0 22.0N–.10 101.54E–.08 10 17 2-5
PLV XII 15 14 25 51.0–1.8 22.41N 101.74E 16–106 3.4L **¶622281747**
BKK XII 15 14 25 56.6–.70 22N–7.0 102E–3.0 10 3.5,3.5L
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XI 20 01 16 30.1–2.4 22.1N–.20 101.50E–.10 10 11 2-6
PLV XI 20 01 16 26.2–.92 22.45N 101.68E 17–90 3.6L **¶622281724**
BKK XI 20 01 16 29.6–1.3 22N–12 102E–5.0 10 4.1
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XI 19 23 32 04.7–1.7 21.9N–.10 101.72E–.07 10 13 1-4
PLV XI 19 23 31 58.5–1.2 22.42N 101.65E 17–947 3.0L **¶622281723**
BKK XI 19 23 32 06.8–.60 22N–7.0 102E–5.0 10 3.5L,3.2
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 12 37 53.0–1.8 22.4N–.10 101.68E–.08 10 17 2-6
BKK XII 24 12 37 51.8–1.6 22N–15 102E–4.0 10 4.4b,4.3 **¶622281763**
PLV XII 24 12 37 51.4–.76 22.43N 101.57E 16–999 3.8L,4.3
ISC Event type se.
PLV Event type se. Error ellipse: s-maj=4.5km s-min=5.4km az=-1.0. Presumed earthquake.
ISC XII 24 11 24 47.9–1.6 21.9N–.10 101.64E–.07 10 16 1-4
PLV XII 24 11 24 40.5–1.5 22.45N 101.70E 15–99 3.6L **¶622281762**
BKK XII 24 11 24 46.8–1.3 22N–9.0 101E–7.0 10 3.8,3.8L
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 20 19 25 27.5–1.7 22.4N–.10 101.68E–.05 10 16 2-6
PLV XII 20 19 25 27.4–1.1 22.43N 101.73E 10–12 3.1L **¶622281753**
BKK XII 20 19 25 31.1–2.6 22N–15 102E–7.0 11–7 3.4L,3.3
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 13 43 23.1–.34 22.35N–.02 101.70E–.02 7–1 5.8s,5.5b 1466 2-169
BJI XII 24 13 43 20.6 22.34N 101.68E 10 6.4s,6.2 **¶621652978**
MOS XII 24 13 43 21.3–.99 22.27N 101.75E 10 5.7b,5.6s
IDC XII 24 13 43 21.6–.35 22.34N 101.68E 0 5.5s,5.2
IPGP XII 24 13 43 22.0 22.36N 101.69E 12 5.6W,5.2
BKK XII 24 13 43 22.1–1.1 22N–10 102E–4.0 10 6.5L,6.5
NEIC XII 24 13 43 22.9–1.2 22.37N–.07 101.67E–.05 9–3 5.9,5.6b
GCMT XII 24 13 43 23.2–.10 22.29N–.01 101.74E–.01 12 5.7W,5.6b
NEIC XII 24 13 43 23 22.38N 101.69E 10 5.7W,5.6b
NEIC XII 24 13 43 23 22.36N 101.69E 10 5.7W,5.6b
PLV XII 24 13 43 23.5–1.1 22.43N 101.76E 16–53 5.9L,5.6b
GFZ XII 24 13 43 24.3–.09 22N–2.0 102E–2.0 10 6.3L,5.9
GFZ XII 24 13 43 24.2 22.33N 101.63E 12 5.6W,5.9
BGR XII 24 13 43 28.6 21.92N 100.96E 33 5.7b,5.9
NEIC XII 24 13 43 33.3 22.36N 101.69E 12 5.7,5.9
ISC Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=117.7.
IDC Error ellipse: s-maj=10.4km s-min=8.1km az=105.0.
IPGP Moment Tensor Solution. NP1:ϕ_s300.00000°,δ78.00000°,λ-172.00000°. NP2:ϕ_s208.00000°,δ82.00000°,λ-12.00000°.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.2km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08 $M_{\theta\theta}$-2.40 $M_{\phi\phi}$2.48 $M_{r\theta}$0.67 $M_{\theta\phi}$-1.21 $M_{\phi r}$-0.04 NP1:ϕ_s302.43000°,δ83.55000°,λ-167.89000°. NP2:ϕ_s211.04000°,δ77.97000°,λ-6.60000°. Principal axes: T 2.7744,Plg4.0000°,Azm76.0000° ; N 0.0562,Plg76.0000°,Azm330.0000°; P -2.8306,Plg13.0000°,Azm167.0000° $M_0$2.80000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112241343A. Moment Tensor Solution. s129,c225; s156,c343;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.04 $M_{\theta\theta}$-4.12±.04; $M_{\phi\phi}$4.13±.04; $M_{r\theta}$-0.28±.10; $M_{\theta\phi}$-1.63±.04; $M_{\phi r}$-0.32±.10; Best double couple: NP1:ϕ_s124.00000°,δ85.00000°,λ-179.00000°. NP2:ϕ_s34.00000°,δ89.00000°,λ-5.00000°. Principal axes: T 4.4550,Plg3.0000°,Azm79.0000°; N 0.0030,Plg85.0000°,Azm207.0000° ; P -4.4560,Plg4.0000°,Azm349.0000° $M_0$4.45500×10^{17}
NEIC Event type se.
NEIC Event type se.
PLV Event type se. Error ellipse: s-maj=5.5km s-min=6.9km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.21 $M_{\theta\theta}$-3.08 $M_{\phi\phi}$3.29 $M_{r\theta}$0.80 $M_{\theta\phi}$-1.22 $M_{\phi r}$-0.10 NP1:ϕ_s305.22282°,δ83.38203°,λ-167.94318°. NP2:ϕ_s213.81269°,δ78.02471°,λ-6.76588°. Principal axes: T 3.5359,Plg3.7397°,Azm79.0896°; N -0.0490,Plg76.2699°,Azm333.5728° ; P -3.4869,Plg13.1917°,Azm169.9675° $M_0$3.51167×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.15 $M_{\theta\theta}$-3.99 $M_{\phi\phi}$3.84 $M_{r\theta}$0.23 $M_{\theta\phi}$-1.60 $M_{\phi r}$0.71 NP1:ϕ_s303.63000°,δ80.24000°,λ176.90000°. NP2:ϕ_s34.16000°,δ86.94000°,λ9.77000°. Principal axes: T 4.2571,Plg9.0000°,Azm259.0000°; N 0.0729,Plg80.0000°,Azm51.0000°; P -4.3300,Plg5.0000°,Azm169.0000° $M_0$4.29000×10^{17}
ISC XII 24 13 56 51.2–.77 22.41N–.07 101.47E–.06 10 3.5b 19 2-72
IDC XII 24 13 56 48.4–1.0 22.39N 101.57E 0 3.9L,3.6b **¶621700089**
PLV XII 24 13 56 49.8–.98 22.42N 101.71E 15–69 3.8L,3.6b
BKK XII 24 13 56 54.4–.90 22N–7.0 102E–3.0 11–5 4.1b,4.0
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 20 55 30.0–1.6 21.9N–.20 101.71E–.07 10 8 1-3
PLV XII 24 20 55 24.5–1.7 22.46N 101.69E 12–207 2.6L **¶622281773**
BKK XII 24 20 55 29.6–.70 22N–7.0 102E–3.0 10 3.0L,2.9
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 14 02 30.0–.30 22.35N–.03 101.65E–.03 10 4.6b 281 2-107
BKK XII 24 14 02 28.9–.70 22N–6.0 102E–5.0 10 5.5L,5.4 **¶621652977**
MOS XII 24 14 02 28.6–1.4 22.27N 101.73E 12 4.7b,5.4
BJI XII 24 14 02 28.3 22.27N 101.76E 11 4.6L,4.6b
IDC XII 24 14 02 28.3–.62 22.34N 101.68E 0 4.7s,4.5L
NEIC XII 24 14 02 29.8–.84 22.33N–.06 101.68E–.05 11–4 4.7b,4.5L
PLV XII 24 14 02 29.5–1.4 22.43N 101.68E 14–14 4.7L,4.5L
GCMT XII 24 14 02 30.9–.30 22.29N–.02 101.76E–.02 16–1 4.9W,4.5L
GFZ XII 24 14 02 30.6–.24 22N–3.0 102E–4.0 10 6.4b,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PLV Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112241402A. Moment Tensor Solution. s1,c1; s91,c124; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.13 $M_{\theta\theta}$-2.55±.10; $M_{\phi\phi}$2.51±.10; $M_{r\theta}$0.80±.33; $M_{\theta\phi}$-0.58±.09; $M_{\phi r}$-0.31±.29; Best double couple: NP1:ϕ_s218.00000°,δ73.00000°,λ-4.00000°. NP2:ϕ_s309.00000°,δ86.00000°,λ-163.00000°. Principal axes: T 2.6400,Plg9.0000°,Azm82.0000°; N 0.1770,Plg72.0000°,Azm322.0000° ; P -2.8170,Plg15.0000°,Azm175.0000° $M_0$2.72800×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 24 23 26 36.9–1.7 22.3N–.10 101.64E–.06 10 15 2-5
PLV XII 24 23 26 34.9–.53 22.39N 101.61E 12–4 3.3L **¶622281775**
BKK XII 24 23 26 37.6–.90 22N–8.0 102E–4.0 5 3.5L,3.4
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 14 27 06.6–1.8 22.5N–.10 101.70E–.08 10 11 2-5
PLV XII 24 14 27 08.3–.91 22.41N 101.64E 16–999 3.5L **¶622281764**
BKK XII 24 14 27 08.6–1.1 22N–7.0 102E–4.0 6–9 3.8,3.8
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 15 05 13.3–2.3 22.4N–.10 101.97E–.07 10 8 1-4
BKK XII 24 15 05 05.9–.90 22N–7.0 102E–4.0 4 3.3L,3.1 **¶622281765**

PLV XII 24 15 05 06.0–1.2 22.51N 101.81E 20–185 3.1L,3.1
ISC Event type se.
PLV Event type se. Error ellipse: s-maj=8.2km s-min=13.3km az=-1.0. Presumed earthquake.
ISC XII 24 18 59 38.0–.51 22.29N–.03 101.67E–.04 10 3.9b,3.1s 61 2-77
NEIC XII 24 18 59 34.5–2.0 22.53N–.06 101.62E–.06 10–1 4.2b,3.1s **¶621700098**
IDC XII 24 18 59 37.3–.91 22.10N 101.75E 0 4.1L,3.6b
PLV XII 24 18 59 37.5–1.8 22.38N 101.73E 16–12 4.1L,3.6b
BKK XII 24 18 59 40.7–1.3 22N–10 101E–5.0 10 4.5L,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PLV Event type se. Presumed earthquake.
ISC XII 24 15 59 00.7–1.1 22.39N–.09 101.78E–.05 10 17 2-53
PLV XII 24 15 58 59.6–.61 22.47N 101.75E 16–8 2.9L **¶621700093**
IDC XII 24 15 58 60.0–1.8 22.24N 101.54E 0 3.3b,3.1L
BKK XII 24 15 59 04.9–1.3 22N–10 102E–5.0 10 3.3L,3.2
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 16 07 52.7–2.1 21.9N–.20 101.58E–.07 10 7 1-3
PLV XII 24 16 07 49.6–1.4 22.54N 101.85E 10–15 3.1L **¶622281766**
BKK XII 24 16 07 53.2–.80 22N–8.0 101E–5.0 10 3.4L,3.3
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 25 14 46 25.8–2.5 22.3N–.20 101.5E–.10 10 7 2-5
PLV XII 25 14 46 26.6–1.6 22.39N 101.76E 0–999 2.9L **¶622281781**
BKK XII 25 14 46 28.7–1.1 22N–10 101E–3.0 10 3.2,3.1
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 16 35 58.9–1.9 21.6N–.20 101.9E–.20 10 7 1-4
PLV XII 24 16 35 53.1–2.0 22.36N 101.77E 10–24 2.7L **¶622281768**
BKK XII 24 16 35 57.4–.70 22N–7.0 102E–3.0 10 3.3L,3.1
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 16 44 28.1–1.8 21.8N–.20 101.62E–.09 10 8 2-4
PLV XII 24 16 44 24.7–.70 22.41N 101.85E 16–39 2.7L **¶622281769**
BKK XII 24 16 44 26.3–1.4 22N–9.0 102E–5.0 6–6 3.3L,3.1
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 17 18 48.1–1.1 22.0N–.10 101.62E–.06 10 3.2b 23 1-55
PLV XII 24 17 18 43.7–.92 22.45N 101.70E 14–7 3.4L **¶621700095**
IDC XII 24 17 18 44.7–1.5 22.11N 101.76E 0 3.9L,3.3b
BKK XII 24 17 18 50.0–1.2 22N–8.0 101E–6.0 10 3.7,3.7
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 17 43 03.0–1.6 21.9N–.10 101.62E–.06 10 10 1-4
PLV XII 24 17 42 56.1–.97 22.52N 101.71E 10–9 2.6L **¶622281771**
BKK XII 24 17 43 01.9–2.2 22N–13 102E–10 10 2.8L,2.8
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 24 19 35 43.0–1.8 21.9N–.20 101.58E–.08 10 12 1-4
PLV XII 24 19 35 38.1–1.5 22.36N 101.71E 15–15 3.0L **¶622281772**
BKK XII 24 19 35 42.6–1.3 22N–8.0 101E–7.0 10 3.5L,3.3
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 25 17 49 35.9–1.9 22.1N–.10 101.55E–.07 10 16 2-5
PLV XII 25 17 49 31.7–1.2 22.50N 101.72E 20–86 3.0L **¶622281785**
BKK XII 25 17 49 34.3–.90 22N–7.0 101E–4.0 10 3.2,3.1
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 25 11 55 32.9–1.7 22.4N–.10 101.68E–.08 10 16 2-5
PLV XII 25 11 55 33.0–.73 22.41N 101.67E 10–9 3.1L **¶622281778**
BKK XII 25 11 55 34.3–1.0 22N–10 102E–5.0 10 3.8b,3.5
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 25 14 29 54.0–1.9 22.5N–.10 101.72E–.06 10 8 2-4
PLV XII 25 14 29 54.1–1.1 22.47N 101.70E 16–11 2.9L **¶622281780**
BKK XII 25 14 29 54.0–1.2 22N–9.0 102E–4.0 5 3.3L,3.2
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 25 22 16 04.4–1.9 22.2N–.20 101.7E–.10 10 7 1-3
BKK XII 25 22 16 02.6–1.6 22N–16 102E–4.0 10 3.5L,3.3 **¶622281788**
PLV XII 25 22 16 03.0–.87 22.37N 101.75E 16–6 3.1L,3.3
ISC Event type se.
PLV Event type se. Error ellipse: s-maj=6.2km s-min=6.4km az=-1.0. Presumed earthquake.
ISC XII 25 19 40 50.3–2.1 21.7N–.20 101.67E–.10 10 11 1-4
PLV XII 25 19 40 44.1–1.3 22.42N 101.73E 10–13 3.1L **¶622281786**
BKK XII 25 19 40 46.8–1.7 22N–12 101E–5.0 2–9 3.5L,3.3
ISC Event type se.
PLV Event type se. Presumed earthquake.
BKK XII 26 15 22 37.7–1.0 22N–9.0 102E–4.0 10 4.0L,3.9
¶622281790
ISC XII 26 23 21 34.6–1.8 22.4N–.10 101.72E–.05 10 12 2-5
PLV XII 26 23 21 34.0–.80 22.43N 101.71E 13–7 3.3L **¶622281791**
BKK XII 26 23 21 49.3–.80 22N–9.0 102E–11 1 3.7L,3.4
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 28 04 09 33.3–.45 22.36N–.03 101.72E–.03 10 4.1b,3.5s 90 2-91
PLV XII 28 04 09 30.7–1.3 22.46N 101.72E 8–12 4.2L,3.5s **¶621654331**
IDC XII 28 04 09 31.6–.68 22.30N 101.66E 0 4.4L,3.9b
BKK XII 28 04 09 31.5–1.4 22N–13 102E–5.0 10 4.8,4.7L
BJI XII 28 04 09 32.9 22.31N 101.71E 16 4.6b,4.2s
NEIC XII 28 04 09 33.5–1.8 22.36N–.08 101.70E–.06 10–1 4.3b,4.2s
ISC Event type se.
PLV Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 04 37 03.1–.55 22.25N–.05 101.70E–.04 10 3.8b 42 2-78
PLV XII 28 04 37 00.5–1.1 22.40N 101.63E 15–12 3.6L **¶621717363**
IDC XII 28 04 37 01.4–.83 22.21N 101.74E 0 3.9L,3.8b
BKK XII 28 04 37 03.4–1.1 22N–9.0 102E–6.0 10 4.0L,4.0
NEIC XII 28 04 37 03.1–1.6 22.21N–.10 101.74E–.06 10–1 4.4b,4.0
ISC Event type se.
PLV Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 13 07 00.1–1.9 22.0N–.10 101.64E–.09 10 8 1-3
PLV XII 29 13 06 53.8–1.3 22.45N 101.72E 10–15 2.7L **¶622281803**
BKK XII 29 13 06 58.4–1.1 22N–6.0 101E–5.0 10–5 3.0L,2.9
ISC Event type se.
PLV Event type se. Presumed earthquake.
ISC XII 31 05 03 28.0–.95 22.39N–.08 101.75E–.06 10 3.5b 11 2-34
IDC XII 31 05 03 26.0–1.9 22.28N 101.68E 0 3.7L,3.5b **¶621726047**
PLV XII 31 05 03 27.4–1.4 22.42N 101.70E 16–14 3.8L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=12.7km az=111.0.
PLV Event type se. Error ellipse: s-maj=11.4km s-min=9.8km az=-1.0. Presumed earthquake.
ISC XII 31 14 53 02.8–.38 22.30N–.03 101.64E–.03 10 4.6b,4.1s 208 2-94
IDC XII 31 14 53 00.4–.72 22.29N 101.62E 0 4.3L,4.1b **¶621657730**
BJI XII 31 14 53 01.2 22.35N 101.67E 10 4.9s,4.9b
PLV XII 31 14 53 01.4–.84 22.41N 101.70E 16–6 4.3L,4.9b
GFZ XII 31 14 53 02.8–.30 22N–5.0 102E–4.0 10 4.9b,4.8L
NEIC XII 31 14 53 02.5–1.1 22.24N–.04 101.71E–.06 10–4 4.7b,4.8L
GCMT XII 31 14 53 03.9–.30 22.36N–.02 101.76E–.02 20–1 4.8W,4.8L
ISC Event type se.
PLV Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112311453A. Moment Tensor Solution. s17,c19; s94,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.04±.11 $M_{\theta\theta}$-2.01±.08; $M_{\phi\phi}$2.04±.09;

$M_{r\theta}$-0.09±.16; $M_{\theta\theta}$-0.39±.07; $M_{\theta r}$-0.30±.17; Best double couple: NP1:ϕ_s129.00000° ,δ82.00000°,λ177.00000°. NP2:ϕ_s220.00000°,δ87.00000°,λ8.00000°. Principal axes: T 2.1170,Plg8.0000°,Azm85.0000°; N -0.0710,Plg82.0000°,Azm241.0000° ; P -2.0540,Plg3.0000°,Azm354.0000° $M_0$2.08600×10^{16}

(298) Near south coast of Myanmar.

ISC	**VII**	**06 23 24 19.3–1.2**	**15.77N–.09**	**94.2E–.10**	**10**	**3.7b**	**24**	**4-68**
IDC	VII	06 23 24 17.3–1.3	15.68N	94.18E	0	4.3L,3.8b		¶620928068
BKK	VII	06 23 24 18.4–1.5	16N–6.0	94E–20	17–31	4.5b,4.3L		
ISC	Event type se.							
BKK	**VIII**	**03 11 36 14.0–1.5**	**16N–6.0**	**96E–11**	**5**	**5.6,5.4**		
								¶622281608
ISC	**VIII**	**10 05 50 15.6–.65**	**16.50N–.07**	**94.07E–.08**	**10**	**4.1b,3.1s**	**53**	**4-73**
BKK	VIII	10 05 50 16.3–2.1	16N–6.0	94E–17	10	4.4b,3.8		¶621008094
NEIC	VIII	10 05 50 16.6–1.1	16.45N–.07	94.12E–.08	15–5	4.1b,3.8		
IDC	VIII	10 05 50 16.8–1.1	16.76N	94.01E	0	4.2L,3.8b		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=14.1km s-min=5.2km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=23.6km s-min=17.1km az=27.0.							
ISC	**IX**	**07 20 43 18.9–1.4**	**16.9N–.10**	**94.8E–.10**	**35**	**3.5b**	**19**	**3-56**
IDC	IX	07 20 43 13.7–1.4	16.81N	94.77E	0	3.6L,3.5b		¶621094336
BKK	IX	07 20 43 18.8–1.7	17N–10	95E–12	10	3.9L,3.8b		
ISC	Event type se.							
BKK	**VIII**	**30 16 36 10.6–1.1**	**17N–6.0**	**95E–8.0**	**10**	**4.1b,4.0b**		
								¶622281638
ISC	**XI**	**15 08 30 45.0–2.0**	**15.3N–.10**	**96.3E–.10**	**10**	**3.6b**	**15**	**2-73**
IDC	XI	15 08 30 43.4–2.5	15.23N	96.19E	0	4.3L,3.7b		¶621475615
BKK	XI	15 08 30 49.0–1.8	15N–5.0	96E–7.0	27–20	4.7b,4.2b		
ISC	Event type se.							

(734) Laos.

ISC	**VII**	**07 06 43 50.9–.40**	**19.66N–.04**	**101.11E–.04**	**10**	**4.7b,4.2s**	**225**	**1-126**
BKK	VII	07 06 43 47.6–1.3	20N–4.0	101E–10	3–4	5.0L,4.9		¶620757425
BJI	VII	07 06 43 48.6	19.54N	101.22E	12	5.1s,5.1L		
NEIC	VII	07 06 43 49.9–2.6	19.68N–.04	101.16E–.02	10–1	4.7b,5.1L		
IDC	VII	07 06 43 50.3–.66	19.67N	100.89E	0	4.6L,4.3b		
GCMT	VII	07 06 43 50.0–.40	19.59N–.02	101.23E–.02	15–2	4.9W,4.3b		
GFZ	VII	07 06 43 51.1–.49	20N–8.0	101E–4.0	10	5.0,4.9b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107070643A. Moment Tensor Solution. s14,c14; s87,c114; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.15 $M_{\theta\theta}$-1.45±.11; $M_{\phi\phi}$1.60±.13; $M_{r\theta}$1.00±.39; $M_{\theta\phi}$2.04±.13; $M_{\theta r}$0.23±.43; Best double couple: NP1:ϕ_s342.00000°,δ68.00000° ,λ-177.00000°. NP2:ϕ_s251.00000°,δ87.00000°,λ-22.00000°. Principal axes: T 2.7740,Plg13.0000°,Azm299.0000°; N -0.0550,Plg68.0000°,Azm63.0000° ; P -2.7230,Plg18.0000°,Azm204.0000° $M_0$2.74800×10^{16}							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**X**	**29 19 03 28.8–1.1**	**19.54N–.03**	**101.33E–.03**	**12–7**	**4.1b,3.4s**	**147**	**1-75**
BJI	X	29 19 03 27.0	19.38N	101.45E	15	4.6b,4.4s		¶621244302
IDC	X	29 19 03 27.9–.88	19.37N	101.31E	0	4.2L,3.9b		
PLV	X	29 19 03 27.0–1.8	19.45N	101.31E	16–24	4.4L,3.9b		
BKK	X	29 19 03 28.2–.70	20N–3.0	101E–4.0	3–5	4.9L,4.7		
NEIC	X	29 19 03 29.3–1.3	19.58N–.03	101.34E–.03	15–4	4.3b,4.7		
DJA	X	29 19 03 29.9–1.2	20N–4.0	101E–3.0	18–11	5.1,4.9		
ISC	Event type se.							
PLV	Event type se. Presumed earthquake.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**29 22 08 03.7–1.1**	**19.45N–.05**	**101.32E–.04**	**10**		**23**	**1-3**
PLV	X	29 22 08 03.4–1.1	19.42N	101.30E	6–999	3.3L		¶622281693
BKK	X	29 22 08 06.5–.70	19N–3.0	101E–5.0	4–4	3.8L,3.6		
ISC	Event type se.							
PLV	Event type se. Presumed earthquake.							
ISC	**X**	**31 03 04 55.1–.35**	**19.50N–.03**	**101.30E–.03**	**10**	**4.4b,3.5s**	**176**	**1-126**
PLV	X	31 03 04 51.6–2.0	19.42N	101.33E	0–17	4.6L,3.5s		¶621244603
BJI	X	31 03 04 53.0	19.44N	101.39E	10	4.8b,4.7L		
BKK	X	31 03 04 53.2–.50	20N–3.0	101E–3.0	1–5	5.2L,5.0		
IDC	X	31 03 04 53.2–.58	19.46N	101.24E	0	4.2L,4.1b		
DJA	X	31 03 04 54.9–.30	20N–3.0	101E–4.0	10	5.2,5.1b		
GFZ	X	31 03 04 55.4–.25	20N–4.0	101E–4.0	10	6.0b,5.7		
NEIC	X	31 03 04 55.4–1.6	19.55N–.04	101.26E–.06	10–1	4.6b,5.7		
ISC	Event type se.							
PLV	Event type se. Presumed earthquake.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XII**	**19 21 06 14.6–.36**	**19.54N–.02**	**101.31E–.03**	**9–1**	**5.3s,5.3b**	**1268**	**1-169**
IDC	XII	19 21 06 12.8–.31	19.52N	101.30E	0	5.2s,5.1L		¶621633804
BJI	XII	19 21 06 13.3	19.60N	101.40E	10	6.1s,5.9		
BKK	XII	19 21 06 13.7–.80	19N–3.0	101E–6.0	10	6.0L,6.0		
MOS	XII	19 21 06 14.7–.99	19.52N	101.33E	22	5.5b,5.2s		
PTWC	XII	19 21 06 14	19.60N	101.30E	10	5.7,5.2s		
GCMT	XII	19 21 06 15.6–.10	19.48N–.01	101.41E–.01	12	5.5W,5.2s		
DJA	XII	19 21 06 15.4–.20	20N–2.0	101E–2.0	10	6.4,6.4		
GFZ	XII	19 21 06 15.2–.08	20N–2.0	101E–2.0	10	6.2L,5.8b		
GFZ	XII	19 21 06 15.7	19.56N	101.32E	19	5.5W,5.8b		
NEIC	XII	19 21 06 15.0–1.3	19.56N–.04	101.31E–.04	10–1	5.4b,5.4		
NEIC	XII	19 21 06 15.1	19.56N	101.31E	10	5.4b,5.4		
NEIC	XII	19 21 06 15.1	19.56N	101.31E	10	5.4b,5.4		
NEIC	XII	19 21 06 21.6	19.56N	101.31E	12	5.5,5.4		
ISC	Event type se.							
IDC	Error ellipse: s-maj=9.1km s-min=7.8km az=38.0.							
MOS	Error ellipse: s-maj=5.8km s-min=3.4km az=123.2.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112192106A. Moment Tensor Solution. s111,c176; s147,c307;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.20±.02 $M_{\theta\theta}$-1.42±.02; $M_{\phi\phi}$1.62±.02; $M_{r\theta}$0.13±.06; $M_{\theta\phi}$1.55±.02; $M_{\theta r}$0.87±.06; Best double couple: NP1:ϕ_s69.00000° ,δ73.00000°,λ8.00000°. NP2:ϕ_s337.00000°,δ83.00000°,λ162.00000°. Principal axes: T 2.5410,Plg17.0000°,Azm292.0000°; N -0.4410,Plg71.0000°,Azm135.0000° ; P -2.0980,Plg7.0000°,Azm24.0000° $M_0$2.31900×10^{17}							
GFZ	Error ellipse: s-maj=4.6km s-min=2.9km az=48.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.17 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$1.44 $M_{r\theta}$-0.38 $M_{\theta\phi}$1.33 $M_{\theta r}$0.14 NP1: ϕ_s156.00346°,δ83.05040°,λ-173.17351°. NP2:ϕ_s65.17361°,δ83.22390°,λ-6.99872°. Principal axes: T 1.9352,Plg0.1218°,Azm110.5988°; N 0.2337,Plg80.2702°,Azm201.3092° ; P -2.1689,Plg9.7290°,Azm20.5779° $M_0$2.06204×10^{17}							
NEIC	Event type se. Error ellipse: s-maj=7.2km s-min=5.9km az=39.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$1.07 $M_{r\theta}$-0.12 $M_{\theta\phi}$0.82 $M_{\theta r}$0.02 NP1:ϕ_s64.17000°,δ86.46000°,λ-4.41000°. NP2:ϕ_s154.44000°,δ85.60000° ,λ-176.45000°. Principal axes: T 1.3562,Plg1.0000°,Azm109.0000°; N -0.0706,Plg84.0000° ,Azm205.0000°; P -1.2856,Plg6.0000°,Azm19.0000° $M_0$1.32000×10^{17}							
NEIC	Event type se.							
NEIC	Event type se.							
NEIC	Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$1.54 $M_{r\theta}$0.44 $M_{\theta\phi}$1.34 $M_{\theta r}$0.15 NP1:ϕ_s335.56000°,δ77.36000° ,λ-178.89000°. NP2:ϕ_s245.32000°,δ88.92000°,λ-12.64000°. Principal axes: T 2.0799,Plg8.0000°,Azm291.0000°; N 0.0263,Plg77.0000°,Azm61.0000° ; P -2.1062,Plg10.0000°,Azm200.0000° $M_0$2.09000×10^{17}							

(736) Vietnam.

BKK	**VII**	**23 17 51 48.2–4.2**	**15N–10**	**109E–34**	**5**	**4.3,4.2**		
PLV	VII	23 17 51 51.3–1.8	14.84N	108.33E	0–10	3.2L,4.2		**¶622281600**
PLV	Event type se. Error ellipse: s-maj=10.2km s-min=20.7km az=-1.0. Presumed earthquake.							
BKK	**VIII**	**05 00 12 59.2–.50**	**15N–4.0**	**108E–4.0**	**10**	**4.9b,4.2**		
PLV	VIII	05 00 12 53.9–1.5	14.96N	108.20E	0–15	2.9L,4.2		**¶622281611**
PLV	Event type se. Error ellipse: s-maj=2.5km s-min=4.4km az=-1.0. Presumed earthquake.							
ISC	**XII**	**04 07 07 26.4–.75**	**14.92N–.08**	**108.3E–.10**	**10**	**4.0b**	**41**	**3-56**
IDC	XII	04 07 07 24.6–.83	14.76N	108.26E	0	4.7L,4.0		**¶621630649**
PLV	XII	04 07 07 24.9–1.8	14.82N	108.25E	17–358	3.7L,4.0		
NEIC	XII	04 07 07 26.9–1.7	14.83N–.06	108.23E–.09	10–2	4.2b,4.0		
BKK	XII	04 07 07 29.0–1.1	15N–7.0	108E–10	10	5.1L,4.8		
ISC	Event type se.							
PLV	Event type se. Presumed earthquake.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
BKK	**IX**	**26 11 35 00.7–1.4**	**15N–11**	**108E–16**	**10**	**4.6L,4.3**		
PLV	IX	26 11 34 58.8–1.3	14.86N	108.16E	9–104	3.5L,4.3		**¶622281666**
PLV	Event type se. Error ellipse: s-maj=2.5km s-min=5.2km az=-1.0. Presumed earthquake.							
BKK	**VIII**	**21 16 18 49.2–1.8**	**18N–6.0**	**107E–11**	**9–7**	**3.7L,3.6**		
								¶622281633
ISC	**X**	**17 10 39 44.0–1.2**	**14.8N–.30**	**108.2E–.20**	**10**	**3.4b**	**7**	**10-46**
IDC	X	17 10 39 42.5–1.1	14.72N	108.23E	0	3.9L,3.4b		**¶621242880**
PLV	X	17 10 39 42.5–1.6	14.88N	108.24E	1–999	3.3L,3.4b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=37.4km s-min=14.9km az=37.0.							
PLV	Event type se. Error ellipse: s-maj=3.4km s-min=6.9km az=-1.0. Presumed earthquake.							
PLV	**X**	**21 13 21 40.4–1.4**	**14.86N**	**108.26E**	**0–10**	**3.6L**		
IDC	X	21 13 21 40.2–1.2	14.78N	108.28E	0	4.1L,3.5b		**¶621261412**
PLV	Event type se. Error ellipse: s-maj=2.5km s-min=4.6km az=-1.0. Presumed earthquake.							
IDC	Error ellipse: s-maj=46.0km s-min=16.3km az=40.0.							
ISC	**XII**	**10 17 45 25.0–1.4**	**15.1N–.10**	**108.2E–.20**	**10**	**3.4b**	**12**	**3-46**
BKK	XII	10 17 45 21.6–4.5	15N–9.0	108E–37	10	4.4,4.2		**¶621644139**
IDC	XII	10 17 45 23.3–1.4	14.94N	108.05E	0	4.1L,3.5b		
PLV	XII	10 17 45 23.9–1.3	14.98N	108.13E	17–38	3.1L,3.5b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=52.1km s-min=16.9km az=36.0.							
PLV	Event type se. Error ellipse: s-maj=2.4km s-min=4.7km az=-1.0. Presumed earthquake.							
BKK	**XII**	**12 18 01 14.9–1.7**	**15N–16**	**108E–17**	**10**	**4.0L,3.9b**		
PLV	XII	12 18 01 09.8–1.6	14.99N	108.12E	6–11	3.1L,3.9b		**¶622281744**
PLV	Event type se. Error ellipse: s-maj=3.0km s-min=5.1km az=-1.0. Presumed earthquake.							
ISC	**XII**	**13 15 16 04.3–3.5**	**14.85N–.06**	**108.16E–.07**	**23–26**	**4.3b,3.7s**	**74**	**3-90**
IDC	XII	13 15 16 00.7–.66	14.79N	108.23E	0	4.5L,4.0		**¶621650578**
PLV	XII	13 15 16 01.3–1.7	14.91N	108.27E	0–17	3.7L,4.0		
BKK	XII	13 15 16 03.4–1.1	15N–7.0	108E–11	10	5.2L,5.0		
NEIC	XII	13 15 16 03.2–.87	14.85N–.05	108.16E–.07	10–1	4.4b,5.0		
ISC	Event type se.							
PLV	Event type se. Presumed earthquake.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							

SEISMIC REGION 26.
India-Xizang-Szechwan-Yunnan.

(302) Eastern Kashmir.

ISC	**X**	**29 16 37 14.1–.66**	**35.92N–.05**	**77.84E–.08**	**10**	**3.7b**	**37**	**7-81**
NNC	X	29 16 37 00.7–8.8	35.03N	84.06E	0	4.1b		**¶621391447**
IDC	X	29 16 37 11.7–1.0	35.88N	77.66E	0	3.7b,3.6		
ISC	Event type se.							
NNC	Event type se. Error ellipse: s-maj=145.1km s-min=69.3km az=74.0.							
IDC	Error ellipse: s-maj=22.9km s-min=12.3km az=68.0.							
ISC	**XI**	**16 19 07 21.5–.70**	**33.18N–.04**	**75.98E–.06**	**28**	**3.8b**	**39**	**1-56**
NDI	XI	16 19 07 16.6–2.2	33.24N	75.43E	36–22	4.0W,3.2L		**¶621475688**
IDC	XI	16 19 07 17.5–1.7	33.12N	75.92E	0	3.7,3.6b		
ISC	Event type se.							
NDI	Event type se. Error ellipse: s-maj=7.5km s-min=18.1km az=-1.0. Presumed earthquake.							
IDC	Error ellipse: s-maj=35.1km s-min=20.7km az=71.0.							
ISC	**XI**	**01 20 35 35.1–1.9**	**34.2N–.20**	**77.9E–.30**	**35**	**3.4b**	**6**	**13-43**
IDC	XI	01 20 35 29.7–2.1	34.04N	77.81E	0	3.5b,3.5		**¶621401302**
ISC	Event type se.							
IDC	Error ellipse: s-maj=46.1km s-min=25.0km az=59.0.							
ISC	**XII**	**27 19 40 52.9–.41**	**35.49N–.04**	**75.06E–.05**	**10**	**4.3b,3.1s**	**127**	**2-82**
NNC	XII	27 19 40 37.6–5.8	34.00N	74.38E	0	4.2,4.1b		**¶621654278**
IDC	XII	27 19 40 51.1–.69	35.47N	74.94E	0	4.1b,4.1		
NEIC	XII	27 19 40 58.4–1.1	35.56N–.06	74.87E–.08	52–7	4.4b,4.1		
BJI	XII	27 19 41 00.1	35.56N	75.65E	32	4.4b,4.3s		
ISC	Event type se.							
NNC	Event type se. Error ellipse: s-maj=58.4km s-min=49.6km az=127.0.							
IDC	Error ellipse: s-maj=17.6km s-min=13.2km az=58.0.							
NEIC	Event type se. Error ellipse: s-maj=10.2km s-min=8.4km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XII**	**27 20 34 14.9–1.2**	**35.4N–.10**	**75.1E–.20**	**25**	**3.7b**	**30**	**7-79**
IDC	XII	27 20 34 10.8–1.4	35.34N	74.71E	0	3.7b,3.6		**¶621717336**
ISC	Event type se.							
IDC	Error ellipse: s-maj=43.3km s-min=19.1km az=59.0.							

(303) Kashmir-India border region.

ISC	**VIII**	**18 23 38 34.1–.87**	**32.79N–.03**	**75.52E–.03**	**29–7**	**3.8b**	**59**	**0-79**
IDC	VIII	18 23 38 29.8–.81	32.68N	75.43E	0	3.9b,3.9		**¶621030434**
NDI	VIII	18 23 38 35.7–2.5	32.74N	75.41E	5	3.5L,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=21.9km s-min=16.6km az=44.0.							
NDI	Event type se. Error ellipse: s-maj=4.5km s-min=5.3km az=-1.0. Presumed earthquake.							
ISC	**X**	**30 16 25 16.7–.85**	**33.27N–.07**	**76.92E–.10**	**35**	**3.7b**	**47**	**7-78**
IDC	X	30 16 25 11.2–1.1	33.11N	76.64E	0	3.8b,3.8		**¶621395183**
NNC	X	30 16 25 18.7–4.4	33.30N	76.90E	73–38	3.5b,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=29.3km s-min=15.1km az=64.0.							
NNC	Event type se. Error ellipse: s-maj=32.8km s-min=28.6km az=143.0.							
ISC	**IX**	**13 03 46 46.3–1.1**	**33.62N–.03**	**76.43E–.03**	**11–7**	**4.4b**	**140**	**1-84**
IDC	IX	13 03 46 44.9–.75	33.62N	76.38E	0	4.1b,4.1		**¶621070935**
GFZ	IX	13 03 46 46.1–.31	34N–4.0	76E–4.0	10	4.7,4.6		
NDI	IX	13 03 46 46.7–2.6	33.70N	76.40E	5	4.0L,4.6		
NEIC	IX	13 03 46 47.6–2.0	33.74N–.08	76.42E–.07	10–1	4.3b,4.6		
NNC	IX	13 03 46 55.6–3.2	33.96N	76.63E	93–22	3.9,3.8b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=19.0km s-min=12.3km az=54.0.							
GFZ	Error ellipse: s-maj=8.9km s-min=7.4km az=109.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NDI	Event type se. Error ellipse: s-maj=5.5km s-min=5.9km az=-1.0. Presumed earthquake.							
NEIC	Event type se. Error ellipse: s-maj=14.8km s-min=8.3km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NNC	Event type se. Error ellipse: s-maj=34.8km s-min=21.4km az=39.0.							
ISC	**IX**	**09 13 20 58.0–.94**	**32.65N–.03**	**76.27E–.03**	**18–5**	**3.9s,3.6b**	**61**	**0-93**
IDC	IX	09 13 20 55.2–1.3	32.49N	76.16E	0	4.0s,3.9		**¶621105882**
NDI	IX	09 13 20 58.7–3.7	32.64N	76.33E	5–18	3.6L,3.9		
NNC	IX	09 13 21 03.5–3.9	33.15N	76.16E	0	3.8b,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=34.6km s-min=19.8km az=70.0.							
NDI	Event type se. Error ellipse: s-maj=4.9km s-min=6.7km az=-1.0. Presumed earthquake.							
NNC	Event type se. Error ellipse: s-maj=31.5km s-min=30.6km az=118.0.							
ISC	**X**	**26 00 32 08.2–.85**	**33.20N–.02**	**76.80E–.03**	**10–5**	**4.5b,3.5s**	**323**	**1-85**
IDC	X	26 00 32 06.8–.57	33.10N	76.65E	0	4.3b,4.3		**¶621239258**
NDI	X	26 00 32 07.9–3.5	33.32N	76.76E	10–11	4.6b,4.1L		
BJI	X	26 00 32 07.4	33.20N	76.87E	7	4.6b,4.6b		
NEIC	X	26 00 32 08.9–1.6	33.21N–.07	76.81E–.08	10–1	4.6b,4.6b		
GFZ	X	26 00 32 09.9–.22	33N–3.0	77E–3.0	10	5.0b,4.8L		
NNC	X	26 00 32 14.0–3.7	33.38N	76.80E	49–29	4.3b,4.8L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=13.6km s-min=10.8km az=64.0.							
NDI	Event type se. Error ellipse: s-maj=6.6km s-min=8.7km az=-1.0. Presumed earthquake.							

NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.4km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=29.1km s-min=22.6km az=157.0.
ISC X 30 16 29 09.5–1.1 33.23N–.03 76.79E–.03 14–7 4.1b 121 1-84
IDC X 30 16 29 07.3–.92 33.04N 76.50E 0 3.9b,3.9 **¶621395184**
NEIC X 30 16 29 09.8–2.2 33.24N–.08 76.76E–.08 10–1 4.2b,3.9
NDI X 30 16 29 10.2–2.7 33.36N 76.63E 10 3.7L,3.9
NNC X 30 16 29 14.7–4.4 33.30N 76.84E 75–38 3.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=14.8km az=55.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.5km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=5.2km s-min=7.2km az=-1.0. Presumed earthquake.
NNC Event type se. Error ellipse: s-maj=32.8km s-min=28.5km az=144.0.
ISC XII 04 19 49 57.6–.66 32.88N–.04 76.48E–.06 15 4.2s,3.6b 51 1-90
IDC XII 04 19 49 54.1–1.8 32.71N 76.12E 0 4.1s,3.6L **¶621630686**
NDI XII 04 19 49 57.2–2.1 32.77N 76.08E 10 3.5L,3.5W
ISC Event type se.
IDC Error ellipse: s-maj=45.4km s-min=16.7km az=66.0.
NDI Event type se. Error ellipse: s-maj=11.0km s-min=19.5km az=-1.0. Presumed earthquake.

(304) Kashmir-Xizang border region.

ISC VII 18 04 38 55.4–.69 34.50N–.05 78.17E–.07 35 3.7b 27 2-49
IDC VII 18 04 38 46.1–1.6 34.05N 77.68E 0 3.6b,3.6 **¶620928801**
NNC VII 18 04 38 56.0–6.3 34.46N 77.89E 36–54 3.5b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=23.8km az=65.0.
NNC Event type se. Error ellipse: s-maj=48.7km s-min=36.3km az=149.0.
ISC VII 20 08 14 35.9–1.6 34.3N–.10 78.2E–.30 35 3.6b 7 13-76
IDC VII 20 08 14 30.2–1.8 34.17N 78.16E 0 3.6b,3.6 **¶620961583**
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=24.6km az=84.0.
ISC VII 20 23 27 40.7–.60 34.42N–.05 78.32E–.07 10 3.8b 37 3-83
NDI VII 20 23 27 36.8–3.1 34.76N 78.58E 10 3.6L **¶620961616**
IDC VII 20 23 27 37.5–1.0 34.19N 78.08E 0 3.7b,3.6
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=16.7km s-min=16.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=21.6km s-min=13.5km az=72.0.
ISC VII 21 04 01 49.4–.91 34.0N–.10 78.36E–.08 35 4.1b 30 4-62
IDC VII 21 04 01 44.7–2.1 33.80N 78.07E 0 3.8b,3.7 **¶620961626**
NEIC VII 21 04 01 46.0–1.7 34.08N–.10 78.4E–.10 10–2 4.3b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 21 21 54 06.2–1.1 35.3N–.10 80.2E–.20 10 3.4b 12 9-75
IDC VII 21 21 54 03.8–1.2 35.09N 79.99E 0 3.5b,3.4 **¶620961685**
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=13.8km az=56.0.
ISC VIII 24 16 48 12.9–.99 32.13N–.02 78.80E–.03 7–6 4.6b,3.8s 429 1-154
BJI VIII 24 16 48 11.6 32.10N 78.82E 10 4.5b,4.4b **¶621002177**
MOS VIII 24 16 48 11.7–.89 32.19N 78.81E 7 4.8b,4.4b
IDC VIII 24 16 48 11.6–.51 32.03N 78.78E 0 4.5,4.4b
NEIC VIII 24 16 48 13.5–1.2 32.06N–.08 78.80E–.09 10–1 4.7b,4.4b
NDI VIII 24 16 48 14.1–3.3 32.16N 79.02E 10 4.4L,4.4b
NNC VIII 24 16 48 15.2–1.1 32.45N 78.79E 0 4.8b,4.4b
GFZ VIII 24 16 48 15.5–.23 32N–4.0 79E–3.0 10 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Presumed earthquake.
NNC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 01 19 59 37.0–.61 34.16N–.04 78.16E–.05 10 3.7b 31 1-78
NDI X 01 19 59 34.1–2.0 34.27N 79.09E 10 3.4L **¶621147847**
IDC X 01 19 59 36.0–1.3 34.12N 78.11E 0 3.6b,3.6
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=9.4km s-min=10.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=36.3km s-min=13.0km az=63.0.
ISC X 08 18 09 05.5–1.3 34.3N–.10 78.1E–.20 35 3.5b 16 7-78
IDC X 08 18 08 58.6–1.5 33.84N 77.50E 0 3.6s,3.5b **¶621224670**
ISC Event type se.
IDC Error ellipse: s-maj=51.9km s-min=18.7km az=67.0.
ISC XI 29 23 20 33.5–.58 34.27N–.04 78.74E–.06 10 3.9b 35 1-83
NDI XI 29 23 20 31.7–1.3 34.85N 78.56E 21–40 3.9W,3.7L **¶621627000**
IDC XI 29 23 20 31.1–1.0 34.07N 78.68E 0 3.8b,3.8
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=37.8km s-min=8.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=32.5km s-min=13.7km az=60.0.
ISC XI 10 13 41 06.3–.69 32.80N–.07 79.49E–.06 10 3.5b 25 0-76
NDI XI 10 13 40 57.4–3.4 33.37N 78.82E 10–41 3.6W,3.0L **¶621440063**
IDC XI 10 13 41 04.1–1.2 32.61N 79.46E 0 4.3s,3.6
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=34.6km s-min=71.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=34.0km s-min=17.6km az=66.0.
ISC XII 11 00 39 01.0–.66 35.05N–.06 80.85E–.08 16 3.5b 33 3-82
IDC XII 11 00 38 57.9–.87 34.85N 80.61E 0 3.7,3.6b **¶621644155**
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=16.7km az=72.0.
ISC X 07 19 01 19.9–.66 34.20N–.05 79.27E–.05 10 3.5b 36 1-77
IDC X 07 19 01 17.6–1.1 33.86N 78.95E 0 3.7,3.6L **¶621217233**
NDI X 07 19 01 25.4–2.5 34.18N 79.10E 10–54 3.8W,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=17.9km az=66.0.
NDI Event type se. Error ellipse: s-maj=40.1km s-min=53.1km az=-1.0. Presumed earthquake.
ISC X 08 17 32 00.2–.58 34.49N–.05 78.31E–.07 10 4.1b,3.1s 44 1-83
NDI X 08 17 31 54.8–2.8 34.92N 78.37E 5 3.6L,3.1s **¶621224668**
IDC X 08 17 31 56.9–.86 34.12N 77.99E 0 3.9b,3.9
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=16.6km s-min=16.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=27.8km s-min=14.6km az=53.0.

(305) Western Xizang-India border region.

ISC IX 11 00 28 30.2–.48 30.48N–.02 79.24E–.03 9–2 4.6b,3.6s 492 1-147
BJI IX 11 00 28 27.7 30.44N 79.07E 12 4.8b,4.6b **¶621069024**
IDC IX 11 00 28 28.6–.53 30.39N 79.18E 0 4.9L,4.4b
MOS IX 11 00 28 28.6–.87 30.52N 79.23E 10 4.7b,4.4b
NDI IX 11 00 28 30.6–4.1 30.53N 79.31E 10 4.8b,4.6L
NEIC IX 11 00 28 30.7–.99 30.48N–.09 79.28E–.09 10–1 4.7b,4.6L
GFZ IX 11 00 28 31.4–.24 30N–5.0 79E–3.0 10 5.5L,5.2b
NNC IX 11 00 28 36.9–1.9 31.14N 78.70E 0 4.7b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=10.1km az=34.0.
MOS Error ellipse: s-maj=7.9km s-min=4.0km az=116.3.
NDI Event type se. Error ellipse: s-maj=7.3km s-min=7.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.6km az=214.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=32.2km s-min=16.7km az=103.0.
ISC XI 09 10 57 27.6–1.5 31.89N–.03 78.51E–.03 10–9 4.6b,3.6s 325 1-149
IDC XI 09 10 57 25.9–.48 31.87N 78.51E 0 4.3b,4.3 **¶625561618**
NDI XI 09 10 57 25.9–1.9 31.87N 78.42E 4–6 4.4W,3.8L
MOS XI 09 10 57 26.7–1.1 32.03N 78.56E 15 4.8b,3.8L
NEIC XI 09 10 57 27.9–.83 31.99N–.08 78.55E–.06 10–1 4.6b,3.8L
BJI XI 09 10 57 27.8 32.98N 78.54E 10 4.5b,4.5b
GFZ XI 09 10 57 28.5–.20 32N–4.0 79E–3.0 10 5.2L,5.1b
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(306) Xizang.

ISC VII 05 21 56 27.1–.77 33.70N–.08 86.0E–.20 35 3.4b 18 6-70
IDC VII 05 21 56 21.5–1.2 33.55N 85.95E 0 3.5L,3.4 **¶620927992**
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=18.6km az=59.0.
ISC VII 10 13 17 13.7–.84 32.22N–.08 87.3E–.10 35 3.6b,3.0s 19 4-71
IDC VII 10 13 17 07.4–1.8 32.02N 87.20E 0 3.6b,3.6 **¶620928360**
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=20.6km az=66.0.
ISC VII 14 18 02 59.0–.61 30.42N–.07 87.59E–.07 35 3.6b 26 7-120
IDC VII 14 18 03 00.3–5.5 30.34N 87.59E 53–50 3.6L,3.6 **¶620928608**
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=15.6km az=48.0.
ISC VII 15 09 16 30.0–1.4 33.8N–.20 88.8E–.30 17 3.2s 7 14-69
IDC VII 15 09 16 27.8–1.8 33.82N 88.83E 0 3.5L,3.5 **¶620928637**
ISC Event type se.
IDC Error ellipse: s-maj=59.7km s-min=21.0km az=63.0.
ISC VII 21 15 00 07.0–1.0 35.8N–.10 87.2E–.10 35 3.7b 12 6-74
IDC VII 21 15 00 01.9–1.1 35.68N 87.20E 0 3.6,3.5b **¶620961663**
BJI VII 21 15 00 07.4 36.21N 87.14E 10 4.1s,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=13.4km az=57.0.
ISC VII 25 04 12 14.8–1.1 32.5N–.20 94.1E–.20 35 4.5s,3.7b 11 17-85
IDC VII 25 04 12 09.3–.95 32.43N 94.02E 0 4.5s,3.7b **¶620973746**
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=19.5km az=55.0.
ISC VII 23 08 47 37.3–1.6 32.5N–.20 94.3E–.30 35 3.7b 6 17-67
IDC VII 23 08 47 32.8–1.5 32.41N 94.38E 0 3.6b,3.6 **¶620967901**
ISC Event type se.
IDC Error ellipse: s-maj=72.7km s-min=20.9km az=64.0.
ISC VII 26 08 48 26.3–.93 33.9N–.10 88.1E–.20 35 3.8b 12 5-72
IDC VII 26 08 48 19.5–1.2 33.56N 87.99E 0 4.4s,3.8b **¶620973826**
ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=18.1km az=53.0.
ISC VII 29 06 42 24.3–.65 31.81N–.09 93.01E–.09 35 4.5b 33 3-117
IDC VII 29 06 42 18.7–.73 31.84N 92.92E 0 4.5,4.4b **¶620984049**
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=14.6km az=37.0.
ISC VII 26 18 50 36.5–2.0 31.0N–.20 87.1E–.40 35 3.5b 6 16-70
IDC VII 26 18 50 31.5–2.0 30.92N 87.11E 0 3.7s,3.4b **¶620973867**
ISC Event type se.
IDC Error ellipse: s-maj=75.2km s-min=21.6km az=71.0.
ISC VII 28 18 59 21.6–1.7 29.17N–.05 87.05E–.03 5–12 3.7b 35 2-77
IDC VII 28 18 59 21.5–.96 29.27N 87.10E 0 3.7b,3.6L **¶620979629**
DMN VII 28 18 59 22.3–.26 29.15N 87.08E 10 4.3L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=16.0km az=54.0.
DMN Event type ke. Error ellipse: s-maj=4.3km s-min=2.3km az=25.0.
IDC VIII 01 05 35 05.0–2.1 30.95N 84.74E 0 3.6,3.5b
¶620986173
IDC Error ellipse: s-maj=102.6km s-min=29.0km az=62.0.
ISC VIII 13 15 46 05.7–.79 31.59N–.09 85.1E–.10 35 3.6b 21 3-78
IDC VIII 13 15 46 00.0–1.0 31.37N 85.07E 0 3.7L,3.7 **¶621012173**
ISC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=17.4km az=63.0.
ISC VIII 05 16 43 12.2–.71 31.75N–.09 93.2E–.10 35 3.5b 19 7-73
IDC VIII 05 16 43 06.4–.94 31.58N 93.00E 0 3.7L,3.6b **¶620998823**
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=15.4km az=62.0.
ISC IX 26 15 50 32.1–.80 30.4N–.10 94.9E–.20 23 3.6b 13 12-66
IDC IX 26 15 50 28.5–.85 30.37N 94.87E 0 3.5b,3.5 **¶621131520**
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=15.0km az=59.0.
ISC VIII 30 11 49 21.9–1.6 35.5N–.30 87.8E–.60 35 6 12-71
IDC VIII 30 11 49 18.0–2.1 35.50N 88.03E 0 3.7L,3.6 **¶621076514**
ISC Event type se.
IDC Error ellipse: s-maj=141.6km s-min=19.6km az=63.0.
ISC VIII 17 20 20 15.1–.41 31.92N–.05 92.86E–.05 35 4.3b 97 5-117
NDI VIII 17 20 20 07.6–1.7 32.57N 92.67E 85–407 4.0L **¶621030303**
IDC VIII 17 20 20 09.6–.57 31.80N 92.90E 0 4.0L,4.0b
NEIC VIII 17 20 20 11.9–1.2 31.90N–.09 92.9E–.20 10–1 4.6b,4.0b
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 15 21 31.6–.39 35.25N–.05 89.21E–.04 10 4.2s,4.1b 100 5-150
IDC VIII 28 15 21 29.7–.64 35.27N 89.29E 0 4.2s,4.0 **¶621009872**
NEIC VIII 28 15 21 30.6–2.3 35.40N–.07 89.29E–.10 10–1 4.3b,4.0
BJI VIII 28 15 21 33.0 35.40N 89.15E 31 4.8b,4.7s
GCMT VIII 28 15 21 36.0–.20 35.39N–.01 89.28E–.01 24–1 5.0W,4.7s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108281521A. Moment Tensor Solution. s37,c45; s102,c184; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.16±.14 $M_{\theta\theta}$-2.59±.10; $M_{\phi\phi}$2.43±.10; $M_{r\theta}$-0.03±.16; $M_{\theta\phi}$3.38±.08; $M_{\phi r}$0.72±.14; Best double couple: NP1:ϕ_s72.00000°,δ81.00000°,λ3.00000°. NP2:ϕ_s341.00000°,δ87.00000°,λ170.00000°. Principal axes: T 4.2300,Plg9.0000°,Azm296.0000°; N 0.0880,Plg80.0000°,Azm144.0000°; P -4.3170,Plg5.0000°,Azm27.0000° M_o4.27300×10^{16}
ISC VIII 31 21 50 15.9–2.1 29.61N–.05 84.39E–.04 6–14 3.7b,3.0s 47 1-71
DMN VIII 31 21 50 10.1–.60 29.85N 84.40E 10 4.5L,3.0s **¶621076646**
IDC VIII 31 21 50 14.3–1.2 29.57N 84.30E 0 3.6b,3.6
NDI VIII 31 21 50 18.5–2.4 29.78N 84.52E 10 3.8L,3.6
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=9.0km s-min=4.9km az=176.0.
IDC Error ellipse: s-maj=44.9km s-min=17.5km az=60.0.
NDI Event type se. Error ellipse: s-maj=11.8km s-min=9.6km az=-1.0. Presumed earthquake.
ISC IX 15 18 35 46.5–1.1 30.6N–.10 95.9E–.30 35 3.8s,3.5b 8 12-76
IDC IX 15 18 35 41.7–1.0 30.54N 95.83E 0 3.9s,3.5b **¶621112004**
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=16.1km az=64.0.
ISC IX 25 09 24 33.6–.38 30.30N–.04 94.84E–.04 23 4.2b 127 3-118
NDI IX 25 09 24 25.5–2.2 31.17N 95.21E 10 3.8L **¶621109919**
IDC IX 25 09 24 29.6–.57 30.30N 94.92E 0 4.0b,4.0
MOS IX 25 09 24 32.4–1.1 30.30N 94.80E 30 4.5b,4.0
NEIC IX 25 09 24 34.9–1.1 30.26N–.10 94.8E–.10 34–6 4.4b,4.0
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 04 28 27.6–1.1 30.32N–.10 96.0E–.20 10 3.7b,3.2s 11 3-94
IDC IX 26 04 28 25.2–1.8 30.25N 95.41E 0 3.9L,3.6b **¶621131485**
NDI IX 26 04 28 33.1–3.3 29.94N 95.89E 10–999 3.4L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=71.0km s-min=26.9km az=62.0.
NDI Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ISC VIII 15 20 33 53.5–2.7 30.3N–.30 84.6E–.50 35 3.5b 6 17-77
IDC VIII 15 20 33 48.1–3.0 30.26N 84.51E 0 3.6L,3.3b **¶621023660**
ISC Event type se.
IDC Error ellipse: s-maj=91.6km s-min=26.5km az=67.0.
ISC IX 05 02 52 55.0–1.0 28.49N–.06 88.15E–.04 62–13 3.8b 53 1-81
IDC IX 05 02 52 46.2–.98 28.21N 87.99E 0 3.7L,3.7b **¶621086375**

NDI IX 05 02 52 54.6–1.8 28.38N 88.14E 21–14 4.0L,3.7b
DMN IX 05 02 52 55.6–.28 28.43N 88.21E 60 4.6L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=19.1km az=45.0.
NDI Event type se. Error ellipse: s-maj=8.2km s-min=4.3km az=-1.0. Presumed earthquake.
DMN Event type ke. Error ellipse: s-maj=6.0km s-min=3.7km az=37.0.
ISC IX 20 16 07 34.3–.87 29.6N–.10 90.2E–.10 35 3.3b 15 4-68
IDC IX 20 16 07 27.6–1.3 29.25N 89.57E 0 3.3b,3.3 **¶621115999**
ISC Event type se.
IDC Error ellipse: s-maj=51.6km s-min=16.0km az=60.0.
ISC IX 25 04 41 06.0–.47 30.31N–.03 94.78E–.03 19–1 5.0b,3.8s 686 3-152
IDC IX 25 04 41 02.2–.44 30.23N 94.75E 0 4.6b,4.6 **¶621109884**
BJI IX 25 04 41 03.8 30.33N 94.83E 10 4.7b,4.6b
MOS IX 25 04 41 05.3–.93 30.33N 94.85E 28 5.1s,5.1b
NEIC IX 25 04 41 07.9–1.7 30.36N–.07 94.78E–.09 32–3 5.0b,5.1b
NDI IX 25 04 41 07.7–2.2 30.49N 94.95E 34 4.2L,5.1b
GFZ IX 25 04 41 08.5–.14 30N–3.0 95E–3.0 38 5.2b,4.9b
BGR IX 25 04 41 15.0 31.28N 94.34E 33 5.0b,4.9b
ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=8.0km az=75.0.
MOS Error ellipse: s-maj=7.5km s-min=3.1km az=126.6.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.4km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=8.9km s-min=12.9km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
ISC IX 25 04 53 21.4–.80 30.4N–.10 95.0E–.20 23 3.8b 13 12-86
IDC IX 25 04 53 18.0–.80 30.40N 94.96E 0 3.7L,3.7b **¶621131434**
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=14.6km az=59.0.
ISC IX 29 03 33 57.7–.45 33.72N–.05 89.50E–.07 10 4.1b,3.6s 60 4-87
IDC IX 29 03 33 55.6–.76 33.58N 89.35E 0 3.9b,3.9 **¶621146353**
BJI IX 29 03 33 58.4 33.90N 89.30E 42 4.4s,4.4b
NEIC IX 29 03 33 58.1–.58 33.76N–.08 89.5E–.10 11–2 4.2b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 02 04 45 23.0–.32 30.29N–.04 94.84E–.04 23 4.7b,3.9s 308 3-86
IDC X 02 04 45 19.3–.62 30.27N 94.74E 0 4.3b,4.3 **¶621116403**
MOS X 02 04 45 21.4–.95 30.35N 94.95E 23 5.0b,4.3
BJI X 02 04 45 21.9 30.39N 94.82E 24 4.8b,4.5b
GFZ X 02 04 45 22.2–.28 30N–4.0 95E–6.0 10 5.3b,4.8
NEIC X 02 04 45 25.0–1.5 30.35N–.07 94.9E–.10 35–7 4.8b,4.8
NDI X 02 04 45 29.7–2.0 29.92N 94.54E 10 4.4L,4.8
BGR X 02 04 45 37.1 32.01N 94.04E 33 4.7b,4.8
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=12.3km az=52.0.
MOS Error ellipse: s-maj=11.1km s-min=4.4km az=124.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.6km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=52.3km s-min=31.9km az=-1.0. Presumed earthquake.
BGR Event type ke.
ISC X 01 13 01 58.8–.33 30.32N–.03 94.79E–.04 10 4.6b,3.4s 285 3-77
IDC X 01 13 01 56.9–.55 30.27N 94.79E 0 4.3b,4.3 **¶621116078**
MOS X 01 13 01 57.3–1.1 30.40N 94.84E 13 4.9b,4.3
BJI X 01 13 01 58.0 30.34N 94.86E 10 4.4b,3.8s
GFZ X 01 13 01 59.7–.22 30N–4.0 95E–4.0 10 5.0b,4.6L
NEIC X 01 13 02 01.1–1.4 30.35N–.10 94.8E–.10 30–6 4.5b,4.6L
NDI X 01 13 02 02.3–3.1 30.40N 94.91E 40–53 4.3b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=11.2km az=53.0.
MOS Error ellipse: s-maj=9.5km s-min=4.5km az=119.3.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=13.9km az=70.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=38.1km s-min=43.3km az=-1.0. Presumed earthquake.
ISC X 01 03 49 27.6–.38 30.28N–.03 94.79E–.03 24–2 4.8b,3.4s 538 3-159
IDC X 01 03 49 23.2–.47 30.26N 94.89E 0 4.4b,4.4 **¶621113764**
MOS X 01 03 49 24.9–.90 30.36N 94.93E 18 5.1b,4.4
BJI X 01 03 49 27.1 30.30N 94.76E 28 4.6b,4.5b
NEIC X 01 03 49 29.0–1.3 30.32N–.07 94.83E–.09 32–2 5.0b,4.5b
GFZ X 01 03 49 29.7–.24 30N–3.0 95E–3.0 41–2 5.4b,4.8
NDI X 01 03 49 29.6–2.9 30.34N 94.78E 25–38 4.8b,4.8
BGR X 01 03 49 44.2 32.11N 93.46E 33 5.0b,4.8
ISC Event type ke.
IDC Error ellipse: s-maj=11.6km s-min=9.6km az=74.0.
MOS Error ellipse: s-maj=7.5km s-min=3.4km az=123.8.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.6km az=119.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=7.1km s-min=4.4km az=45.7. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NDI Event type se. Error ellipse: s-maj=23.8km s-min=38.8km az=-1.0. Presumed earthquake.
BGR Event type ke.
ISC X 02 05 36 41.8–.73 30.46N–.06 94.7E–.10 35 3.7b 27 3-73
IDC X 02 05 36 36.2–1.4 30.47N 94.91E 0 4.4s,3.7b **¶621186048**
NEIC X 02 05 36 42.1–.73 30.4N–.10 94.5E–.20 34–8 4.1b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 03 07 02 38.8–1.8 31.66N 83.31E 0 4.4s,3.7b
¶621186117
IDC Error ellipse: s-maj=82.5km s-min=23.0km az=66.0.
ISC X 04 04 29 34.5–.90 32.7N–.10 93.1E–.10 17 3.8b 21 8-75
IDC X 04 04 29 31.6–.82 32.62N 93.03E 0 3.8b,3.7 **¶621203094**
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=16.1km az=52.0.
ISC X 03 18 44 00.8–.40 32.71N–.04 92.99E–.05 10 4.4b,3.5s 115 3-122
NDI X 03 18 43 58.7–2.1 33.07N 93.31E 10 3.8L,3.5s **¶621186143**
IDC X 03 18 43 58.6–.60 32.57N 93.01E 0 4.1b,4.0
NEIC X 03 18 44 01.0–2.4 32.76N–.08 92.94E–.09 10–1 4.4b,4.0
BJI X 03 18 44 04.5 32.65N 93.04E 29 4.5b,4.4b
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=12.7km s-min=14.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=19.4km s-min=11.7km az=41.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=13.3km az=33.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 03 18 59 51.8–1.2 32.8N–.10 93.2E–.30 35 6 15-68
IDC X 03 18 59 47.1–1.3 32.76N 93.21E 0 3.6L,3.4b **¶621186144**
ISC Event type se.
IDC Error ellipse: s-maj=63.5km s-min=19.4km az=64.0.
ISC X 04 04 48 00.2–.68 30.41N–.08 94.74E–.09 35 3.8b 28 6-66
IDC X 04 04 47 53.7–1.1 30.25N 94.71E 0 3.8b,3.7 **¶621203096**
NEIC X 04 04 48 00.5–1.0 30.39N–.06 94.7E–.20 34–8 3.9b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 05 02 38 20.4–.66 30.33N–.04 94.79E–.04 33–3 4.7b,3.3s 319 3-89
IDC X 05 02 38 15.5–.58 30.36N 94.89E 0 4.3L,4.3b **¶621120430**
MOS X 05 02 38 17.6–.91 30.34N 94.83E 26 4.9b,4.3b
GFZ X 05 02 38 17.6–.28 30N–3.0 95E–6.0 10 5.1b,4.6b
BJI X 05 02 38 19.0 30.36N 94.76E 30 4.6b,4.4b
NEIC X 05 02 38 21.0–1.1 30.34N–.07 94.76E–.09 34–5 4.7b,4.4b

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 03 24 22.1–.30 30.39N–.03 94.81E–.04 23 5.8s,4.8b 419 3-86
BGR X 04 03 24 14.8 30.50N 96.59E 33 4.8b,4.8b **¶621117525**
BJI X 04 03 24 20.5 30.26N 94.92E 30 4.8b,4.5b
GFZ X 04 03 24 20.7–.26 30N–4.0 95E–5.0 10 5.2b,4.6b
MOS X 04 03 24 20.3–.92 30.29N 94.86E 27 4.9b,4.6b
NDI X 04 03 24 22.6–3.4 30.45N 95.10E 52–46 4.6b,4.3L
IDC X 04 03 24 22.1–5.1 30.28N 94.83E 29–37 4.4L,4.3
NEIC X 04 03 24 23.5–1.6 30.32N–.07 94.80E–.08 35–7 4.8b,4.3
ISC Event type ke.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 05 23 27 57.6–.36 30.30N–.04 94.81E–.05 23 4.5b 180 3-149
IDC X 05 23 27 53.8–.70 30.31N 94.79E 0 4.1b,4.1 **¶621126136**
BJI X 05 23 27 54.4 30.36N 94.88E 10 4.6b,4.3b
GFZ X 05 23 27 56.1–.19 30N–3.0 95E–3.0 10 5.9b,5.5
MOS X 05 23 27 56.0–1.2 30.34N 94.88E 27 4.6b,5.5
NEIC X 05 23 27 58.8–1.8 30.37N–.09 94.8E–.10 31–4 4.4b,5.5
NDI X 05 23 27 59.0–1.1 30.46N 94.95E 33–33 3.5L,5.5
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=13.2km az=59.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=10.9km s-min=5.0km az=116.1.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.6km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=21.2km s-min=28.2km az=-1.0. Presumed earthquake.
ISC X 05 10 18 18.0–.91 30.29N–.06 95.0E–.10 10 3.8b 13 4-65
IDC X 05 10 18 16.2–1.0 30.16N 94.74E 0 3.7b,3.7 **¶621203168**
ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=15.7km az=63.0.
ISC X 07 05 07 21.5–.89 32.0N–.10 95.1E–.10 10 3.8b 15 8-86
IDC X 07 05 07 23.1–1.0 32.46N 95.49E 0 4.0L,3.7b **¶621217189**
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=21.0km az=71.0.
ISC X 06 07 26 54.1–.86 32.60N–.09 87.5E–.10 35 3.5b 19 5-74
IDC X 06 07 26 47.7–1.6 32.36N 87.35E 0 3.6b,3.6 **¶621217133**
ISC Event type se.
IDC Error ellipse: s-maj=58.4km s-min=20.0km az=67.0.
ISC X 06 00 56 15.4–1.2 30.4N–.20 94.8E–.20 23 3.7b 12 19-77
IDC X 06 00 56 11.8–1.3 30.34N 94.79E 0 3.6b,3.6 **¶621217118**
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=23.5km az=50.0.
ISC X 09 05 47 10.5–.76 30.27N–.08 94.7E–.20 10 3.8b 14 3-86
IDC X 09 05 47 09.1–.82 30.22N 94.67E 0 3.8b,3.8 **¶621235306**
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=15.5km az=61.0.
ISC X 08 20 38 32.9–1.1 32.0N–.10 95.2E–.10 35 3.9b 14 8-67
IDC X 08 20 38 28.1–1.1 31.86N 94.93E 0 3.9L,3.7b **¶621224678**
ISC Event type se.
IDC Error ellipse: s-maj=92.6km s-min=16.2km az=63.0.
ISC X 08 04 37 58.1–1.2 33.6N–.10 89.5E–.20 35 13 6-71
IDC X 08 04 37 53.8–3.3 33.78N 89.76E 0 3.6L,3.6b **¶621224630**
ISC Event type se.
IDC Error ellipse: s-maj=226.4km s-min=24.4km az=65.0.
ISC X 08 04 40 51.3–.68 33.60N–.06 89.61E–.08 10 3.9b,3.1s 25 4-71
BJI X 08 04 40 50.8 33.48N 89.55E 27 4.1b,3.9s **¶621224631**
IDC X 08 04 40 50.0–1.3 33.58N 89.37E 0 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=17.5km az=59.0.
ISC X 08 23 32 42.7–1.3 30.0N–.10 90.0E–.20 35 3.7s,3.4b 13 4-79
IDC X 08 23 32 35.6–1.6 29.30N 89.24E 0 3.6b,3.6 **¶621224680**
ISC Event type se.
IDC Error ellipse: s-maj=82.9km s-min=28.5km az=62.0.
ISC X 08 23 53 32.1–.42 35.56N–.05 82.41E–.05 10 4.2b,3.6s 124 4-84
IDC X 08 23 53 30.4–.73 35.63N 82.51E 0 3.9b,3.9 **¶621143678**
NEIC X 08 23 53 31.8–1.1 35.61N–.07 82.4E–.10 10–1 4.3b,3.9
MOS X 08 23 53 31.3–1.5 35.64N 82.30E 19 4.5b,3.9
BJI X 08 23 53 33.9 35.79N 82.39E 18 4.3L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=13.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.7km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.4km s-min=4.8km az=111.3.
ISC X 10 16 29 40.9–.33 30.36N–.03 94.78E–.03 10 4.6b,3.8s 208 3-93
IDC X 10 16 29 38.5–.61 30.35N 94.92E 0 4.1b,4.1 **¶621144275**
BJI X 10 16 29 40.0 30.37N 94.88E 10 4.6b,4.2b
MOS X 10 16 29 40.3–1.1 30.36N 94.83E 19 4.8b,4.2b
NEIC X 10 16 29 40.7–.96 30.39N–.10 94.8E–.10 10–1 4.7b,4.2b
GFZ X 10 16 29 42.2–.24 30N–3.0 95E–5.0 10 4.9b,4.4b
NDI X 10 16 29 43.1–1.7 30.19N 94.89E 0–42 3.9L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=12.4km az=58.0.
MOS Error ellipse: s-maj=9.8km s-min=5.1km az=116.6.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=13.4km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NDI Event type se. Error ellipse: s-maj=40.5km s-min=21.4km az=-1.0. Presumed earthquake.
ISC X 10 01 48 54.6–.40 30.45N–.04 94.81E–.05 10 4.6b,4.0s 275 3-92
NDI X 10 01 48 44.6–2.6 31.37N 94.90E 10 4.0L,4.0s **¶621144063**
MOS X 10 01 48 52.9–.92 30.38N 94.92E 15 5.0b,4.0s
IDC X 10 01 48 52.2–.56 30.39N 94.92E 0 4.2L,4.2b
BJI X 10 01 48 53.1 30.34N 94.87E 10 4.5b,4.0s
GFZ X 10 01 48 54.8–.27 30N–4.0 95E–5.0 10 5.5b,5.0
NEIC X 10 01 48 54.8–1.5 30.42N–.08 94.84E–.09 10–1 4.7b,5.0
ISC Event type se.
NDI Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 10 12 29 47.8–.84 30.4N–.10 94.8E–.20 23 3.8b 11 12-66
IDC X 10 12 29 44.2–.87 30.30N 94.72E 0 3.7L,3.7b **¶621235383**
ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=15.3km az=61.0.
ISC X 09 05 36 55.3–.32 30.40N–.04 94.86E–.04 23 4.7b 316 3-118
NDI X 09 05 36 48.3–2.9 30.74N 95.31E 10 4.8b **¶621143704**
BJI X 09 05 36 51.8 30.32N 94.84E 10 4.7b,4.6b
MOS X 09 05 36 52.1–.78 30.37N 94.88E 15 5.1b,4.6b
NEIC X 09 05 36 53.9–1.0 30.4N–.10 94.8E–.10 10–1 4.9b,4.6b
IDC X 09 05 36 56.6–2.0 30.31N 94.84E 37–17 4.4,4.2L
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=15.0km s-min=24.9km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=8.5km s-min=4.0km az=120.3.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=17.8km az=68.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=11.4km az=62.0.
ISC X 12 00 31 53.2–.35 30.38N–.04 94.72E–.05 10 4.5b,3.6s 190 3-86

GFZ X 12 00 31 49.7–.36 30N–6.0 95E–5.0 10 5.0b,4.5b **¶621146142**
IDC X 12 00 31 50.9–.65 30.27N 94.69E 0 4.0b,4.0
MOS X 12 00 31 50.8–1.1 30.37N 94.83E 7 4.7b,4.0
NEIC X 12 00 31 54.1–1.1 30.41N–.06 94.69E–.07 10–1 4.6b,4.0
NDI X 12 00 32 02.8–2.3 30.00N 94.71E 10 3.7L,4.0
ISC Event type se.
GFZ Error ellipse: s-maj=13.1km s-min=10.6km az=41.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=18.3km s-min=12.9km az=70.0.
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=116.6.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.9km az=132.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=22.8km s-min=32.8km az=-1.0. Presumed earthquake.
ISC X 12 20 24 20.9–1.2 30.3N–.10 94.6E–.30 35 3.6b 6 12-52
IDC X 12 20 24 16.0–1.4 30.30N 94.63E 0 3.6b,3.5 **¶621236969**
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=21.3km az=71.0.
ISC X 13 16 35 32.3–.77 30.40N–.09 94.8E–.10 35 3.7b 24 3-86
IDC X 13 16 35 27.1–.84 30.34N 94.75E 0 3.7b,3.6 **¶621238986**
ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=15.7km az=61.0.
ISC X 15 10 35 38.7–1.6 28.68N–.05 87.37E–.04 1–11 4.1b,3.0s 58 1-78
IDC X 15 10 35 38.5–.80 28.57N 87.23E 0 3.9L,3.9b **¶621242058**
DMN X 15 10 35 39.5–.60 28.63N 87.39E 10 4.9L,3.9b
NEIC X 15 10 35 42.7–2.7 28.96N–.09 87.65E–.07 10–1 4.1b,3.9b
NDI X 15 10 35 48.0–2.7 28.92N 88.02E 10 3.9L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=35.7km s-min=14.2km az=51.0.
DMN Event type ke. Error ellipse: s-maj=9.7km s-min=4.9km az=48.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.8km az=160.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=12.9km s-min=8.2km az=-1.0. Presumed earthquake.
ISC X 23 21 28 17.9–1.1 34.4N–.20 87.8E–.10 35 3.4b 10 13-47
IDC X 23 21 28 13.2–1.4 34.32N 87.75E 0 3.5b,3.4 **¶621309394**
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=22.6km az=37.0.
ISC X 16 08 41 35.1–1.8 34.3N–.10 82.6E–.60 10 6 7-75
IDC X 16 08 41 35.0–18 34.39N 83.06E 0 3.4b,3.3 **¶621242114**
ISC Event type se.
IDC Error ellipse: s-maj=842.9km s-min=27.2km az=74.0.
ISC X 18 10 32 13.7–.67 28.65N–.03 87.31E–.03 10–4 4.6b,3.5s 273 1-121
IDC X 18 10 32 11.9–.59 28.61N 87.34E 0 4.3b,4.2 **¶621206741**
BJI X 18 10 32 12.8 28.67N 87.36E 10 4.4b,4.2s
MOS X 18 10 32 12.3–1.2 28.62N 87.21E 10 4.7b,4.2s
NEIC X 18 10 32 14.4–1.7 28.7N–.10 87.3E–.10 10–1 4.7b,4.2s
NDI X 18 10 32 15.4–3.4 28.56N 87.38E 6–19 4.4b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=11.5km az=42.0.
MOS Error ellipse: s-maj=10.2km s-min=4.7km az=118.9.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=11.4km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=11.4km s-min=7.5km az=-1.0. Presumed earthquake.
ISC X 31 05 37 57.9–.91 33.67N–.08 84.4E–.20 35 3.5b 13 5-46
IDC X 31 05 37 54.8–2.1 33.81N 84.54E 0 3.8L,3.7 **¶621395226**
ISC Event type se.
IDC Error ellipse: s-maj=50.3km s-min=24.7km az=59.0.
ISC X 24 19 15 35.9–.90 30.25N–.07 96.59E–.08 35 3.8b 33 3-64
IDC X 24 19 15 30.8–.95 30.30N 96.95E 0 3.7b,3.7 **¶621366408**
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=15.5km az=65.0.
ISC XI 08 08 22 07.8–2.4 28.59N–.07 87.29E–.08 6–16 3.8b 32 1-69
IDC XI 08 08 22 06.3–1.4 28.42N 87.08E 0 3.8b,3.8 **¶621423090**
ISC Event type se.
IDC Error ellipse: s-maj=57.4km s-min=20.2km az=62.0.
ISC X 31 19 56 29.4–1.2 28.0N–.10 87.83E–.08 81–18 3.6b 29 1-54
IDC X 31 19 56 19.3–14 27.65N 87.18E 0 3.7b,3.6 **¶621395270**
DMN X 31 19 56 28.8–.35 28.04N 87.91E 60 4.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=368.5km s-min=108.6km az=110.0.
DMN Event type ke. Error ellipse: s-maj=7.9km s-min=3.6km az=41.0.
ISC XI 05 01 48 31.0–.48 28.78N–.03 87.43E–.02 7–3 4.9b,3.8s 669 1-146
MOS XI 05 01 48 29.6–1.1 28.76N 87.42E 9 5.0b,3.8s **¶621361552**
NDI XI 05 01 48 29.7–2.5 28.15N 87.20E 148–35 4.9L,4.7W
BJI XI 05 01 48 31.7 28.73N 87.38E 29 4.8b,4.6b
GFZ XI 05 01 48 32.6–.29 29N–3.0 87E–3.0 10–1 5.4b,5.1
NEIC XI 05 01 48 32.0–1.9 28.83N–.09 87.45E–.09 10–1 5.0b,5.1
GCMT XI 05 01 48 33.5–.30 28.58N–.03 87.55E–.02 22–0 4.8W,5.1
BGR XI 05 01 48 34.4 28.51N 87.13E 33 5.0b,5.1
IDC XI 05 01 48 36.5–2.4 28.77N 87.46E 50–22 4.6,4.5L
ISC Event type ke.
MOS Error ellipse: s-maj=7.3km s-min=3.2km az=121.1.
NDI Event type se. Error ellipse: s-maj=72.3km s-min=33.3km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=8.6km s-min=3.6km az=34.4. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=6.7km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111050148A. Moment Tensor Solution. s30,c35; s82,c119; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.06±.12 $M_{\theta\theta}$-0.01±.07; $M_{\phi\phi}$2.07±.08; $M_{r\theta}$-0.12±.14; $M_{\theta\phi}$-0.11±.05; $M_{\phi r}$-0.54±.10; Best double couple: NP1:ϕ_s173.00000°,δ38.00000°,λ-96.00000°. NP2:ϕ_s1.00000°,δ52.00000°,λ-85.00000°. Principal axes:
T 2.1420,Plg7.0000°,Azm88.0000°; N -0.0080,Plg4.0000°,Azm178.0000°
; P -2.1360,Plg82.0000°,Azm295.0000° M_o2.13900×10^{16}
BGR Event type ke.
IDC Error ellipse: s-maj=15.6km s-min=9.7km az=43.0.
ISC XI 02 04 01 12.0–.53 33.63N–.06 84.49E–.05 10 4.3b,3.4s 56 5-83
IDC XI 02 04 01 07.6–1.6 33.39N 84.27E 0 3.9,3.8b **¶621401323**
NEIC XI 02 04 01 11.7–.74 33.55N–.05 84.6E–.10 10–1 4.6b,3.8b
NDI XI 02 04 01 11.7–.55 34.10N 85.97E 51–526 4.4W,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=21.3km az=46.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=8.2km az=77.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=8.0km s-min=12.2km az=-1.0. Presumed earthquake.
IDC XI 30 02 41 36.5–2.1 33.56N 89.77E 0 3.5,3.4b
¶621627007
IDC Error ellipse: s-maj=159.5km s-min=22.4km az=61.0.
ISC XI 10 23 13 06.1–.97 30.32N–.07 96.46E–.07 35 3.8b 36 3-65
IDC XI 10 23 13 00.9–1.0 30.19N 96.83E 0 4.1L,3.6b **¶621440086**
NDI XI 10 23 13 03.0–.76 30.83N 96.12E 37–132 4.5W,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=56.7km s-min=16.2km az=70.0.
NDI Event type se. Error ellipse: s-maj=94.5km s-min=40.0km az=-1.0. Presumed earthquake.
ISC XI 14 09 15 04.0–.67 30.42N–.05 87.67E–.06 10 3.9s,3.8b 38 3-120
IDC XI 14 09 15 01.7–.74 30.40N 87.75E 0 3.8b,3.8 **¶621468661**
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=15.3km az=62.0.
ISC XI 15 01 21 46.8–.53 32.55N–.07 90.40E–.07 35 3.9b,3.2s 57 5-82
IDC XI 15 01 21 40.6–.79 32.41N 90.26E 0 4.0L,3.8b **¶621475576**
NEIC XI 15 01 21 44.0–1.5 32.62N–.09 90.4E–.10 10–1 4.0b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 27 19 20 05.3–1.1 33.7N–.10 81.9E–.20 35 3.3b 9 13-76
IDC XI 27 19 19 59.9–1.1 33.63N 81.78E 0 3.4,3.3b **¶621625141**

ISC Event type se.
IDC Error ellipse: s-maj=40.1km s-min=18.8km az=67.0.
IDC XI 26 00 54 21.1–6.5 33.40N 81.14E 0 3.4,3.3b
¶621621972
IDC Error ellipse: s-maj=143.8km s-min=27.4km az=69.0.
ISC XI 30 21 38 59.0–1.3 33.7N–.20 81.8E–.20 35 3.4b 7 13-75
IDC XI 30 21 38 53.8–1.4 33.60N 81.75E 0 3.5,3.4b **¶621627094**
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=23.8km az=73.0.
ISC XI 30 13 53 41.5–.42 31.64N–.03 87.94E–.02 7–2 5.3b,5.2s 1072 3-158
NDI XI 30 13 53 34.6–2.9 31.86N 87.92E 24–16 5.4W,5.1L **¶621532524**
BJI XI 30 13 53 39.3 31.78N 87.83E 10 5.8s,5.6
MOS XI 30 13 53 39.8–.97 31.67N 88.00E 10 5.3b,5.1s
IDC XI 30 13 53 39.6–.34 31.57N 87.96E 0 5.0s,4.8b
ISC-P XI 30 13 53 41 31.72N 87.93E 7–0 ,4.8b
NEIC XI 30 13 53 41.1–1.5 31.72N–.07 87.93E–.08 7–3 5.5b,5.2
NEIC XI 30 13 53 41.1 31.77N 87.94E 6 5.5b,5.2
GFZ XI 30 13 53 41.7 31.62N 87.92E 13 5.5W,5.2
GFZ XI 30 13 53 42.6–.18 32N–3.0 88E–3.0 10 5.6b,5.6
GCMT XI 30 13 53 44.8–.10 31.62N–.01 87.97E–.01 18–0 5.6W,5.6
BGR XI 30 13 53 50.4 32.25N 87.34E 33 5.2b,5.2s
NEIC XI 30 13 53 51 31.17N 87.24E 12 5.5,5.2s
ISC Event type ke.
NDI Event type se. Error ellipse: s-maj=16.2km s-min=10.2km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=6.0km s-min=3.1km az=121.4.
IDC Error ellipse: s-maj=11.1km s-min=7.6km az=50.0.
ISC-P Moment Tensor Solution. s46 Moment tensor: M_{rr}-0.69±.15 $M_{\theta\theta}$0.07±.17; $M_{\phi\phi}$0.63±.17; $M_{r\theta}$-0.11±.12; $M_{\theta\phi}$0.04±.31; $M_{\phi r}$-0.22±.13; NP1:ϕ_s348.10000°,δ42.40000°,λ280.90000°. NP2:ϕ_s153.50000°,δ48.60000°,λ-99.70000°.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=9.3km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.13 $M_{\theta\theta}$0.13 $M_{\phi\phi}$2.00 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.09 $M_{\phi r}$-0.05 NP1:ϕ_s176.84796°,δ44.38714°,λ-90.61486°. NP2:ϕ_s357.70831°,δ45.61609°,λ-89.39819°.
Principal axes: T 2.0070,Plg0.6145°,Azm87.2827°; N 0.1274,Plg0.4301°,Azm177.2874°
; P -2.1343,Plg89.2499°,Azm302.2740° M_o2.07358×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111301353A. Moment Tensor Solution. s96,c143; s147,c288;Duration: 1ŝ5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.31±.06 $M_{\theta\theta}$-0.70±.04; $M_{\phi\phi}$3.01±.04; $M_{r\theta}$0.37±.12; $M_{\theta\phi}$0.89±.03; $M_{\phi r}$0.23±.09; Best double couple: NP1:ϕ_s1.00000°,δ43.00000°,λ-107.00000°. NP2:ϕ_s204.00000°,δ49.00000°,λ-74.00000°. Principal axes:
T 3.2310,Plg3.0000°,Azm283.0000°; N -0.8400,Plg12.0000°,Azm14.0000°
; P -2.3920,Plg78.0000°,Azm178.0000° M_o2.81100×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.84 $M_{\theta\theta}$0.33 $M_{\phi\phi}$1.51 $M_{r\theta}$-0.73 $M_{\theta\phi}$0.05 $M_{\phi r}$1.79 NP1:ϕ_s10.02000°,δ22.16000°,λ-66.61000°. NP2:ϕ_s164.99000°,δ69.74000°,λ-99.19000°. Principal axes:
T 2.3166,Plg24.0000°,Azm262.0000°; N 0.4492,Plg9.0000°,Azm168.0000°
; P -2.7658,Plg64.0000°,Azm60.0000° M_o2.57000×10^{17}
ISC XII 02 17 40 50.3–.50 31.27N–.06 90.68E–.04 35 4.1b,3.4s 58 4-91
NDI XII 02 17 40 44.7–2.1 31.80N 90.78E 80–144 4.1W,3.6L **¶621629897**
IDC XII 02 17 40 50.2–2.1 31.15N 90.67E 40–21 4.0,3.9L
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=68.4km s-min=14.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.5km s-min=11.2km az=59.0.
ISC XII 01 08 30 49.2–.47 31.45N–.04 87.75E–.05 10 4.2b,3.6s 62 3-119
IDC XII 01 08 30 47.5–.83 31.49N 87.76E 0 4.8L,3.9 **¶621629800**
NEIC XII 01 08 30 49.5–2.0 31.51N–.08 87.8E–.10 10–1 4.3b,3.9
NDI XII 01 08 30 52.4–1.6 31.79N 88.01E 16–999 4.1W,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=15.5km az=59.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.0km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=23.5km s-min=16.9km az=-1.0. Presumed earthquake.
ISC XII 07 06 46 37.9–1.4 30.72N–.10 87.0E–.20 10 3.4s 10 4-70
IDC XII 07 06 46 36.6–2.4 30.67N 86.68E 0 3.6,3.5L **¶621632644**
NDI XII 07 06 46 52.7–.94 30.66N 88.09E 180–14 4.1W,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=72.7km s-min=24.8km az=69.0.
NDI Event type se. Error ellipse: s-maj=51.5km s-min=35.8km az=-1.0. Presumed earthquake.
ISC XII 08 00 32 17.3–.99 28.66N–.08 87.48E–.04 35 4.0b 29 1-69
IDC XII 08 00 32 08.8–1.3 28.07N 86.19E 0 3.8,3.7b **¶621634646**
NDI XII 08 00 32 17.5–1.6 28.79N 87.41E 39–999 4.0L,3.9W
ISC Event type se.
IDC Error ellipse: s-maj=98.5km s-min=21.3km az=53.0.
NDI Event type se. Error ellipse: s-maj=36.0km s-min=42.0km az=-1.0. Presumed earthquake.
ISC XII 09 17 36 34.6–.78 34.37N–.09 85.0E–.20 35 3.7b 21 6-74
IDC XII 09 17 36 36.6–4.6 34.41N 85.13E 52–42 3.7,3.3b **¶621636587**
ISC Event type se.
IDC Error ellipse: s-maj=43.3km s-min=18.2km az=56.0.
ISC XII 08 04 23 20.5–.45 28.78N–.05 87.47E–.03 10 4.0b,3.5s 84 2-87
IDC XII 08 04 23 18.7–.69 28.76N 87.43E 0 3.9b,3.9 **¶621634668**
NDI XII 08 04 23 19.2–2.3 28.49N 86.77E 36–999 4.2W,4.1L
NEIC XII 08 04 23 25.0–1.2 28.81N–.09 87.6E–.10 41–5 4.2b,4.1L
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 00 29 28.6–.53 28.24N–.06 87.67E–.04 68 3.8b 65 1-74
IDC XII 18 00 29 19.8–1.0 28.14N 87.64E 0 4.0L,4.0s **¶621633316**
NEIC XII 18 00 29 25.2–2.1 28.6N–.10 87.56E–.10 10–1 4.0b,4.0s
NDI XII 18 00 29 30.4–2.2 28.11N 87.60E 95–37 3.9W,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=19.0km az=45.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=13.8km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=22.3km s-min=14.7km az=-1.0. Presumed earthquake.
ISC XII 14 20 03 08.6–1.3 28.66N–.08 87.51E–.03 59–15 3.8b 41 1-87
IDC XII 14 20 03 00.7–.90 28.51N 87.10E 0 3.7b,3.7 **¶621652952**
NDI XII 14 20 03 02.5–1.4 28.94N 87.37E 30–105 3.9L,3.8W
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=16.4km az=55.0.
NDI Event type se. Error ellipse: s-maj=64.3km s-min=104.3km az=-1.0. Presumed earthquake.
ISC XII 14 20 07 10.4–1.4 28.73N–.04 87.41E–.04 9–9 4.2b,3.3s 65 1-121
IDC XII 14 20 07 09.1–.71 28.70N 87.36E 0 3.9b,3.9 **¶621652953**
NDI XII 14 20 07 10.5–2.3 28.59N 86.92E 39–999 4.3W,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=13.5km az=51.0.
NDI Event type se. Error ellipse: s-maj=46.0km s-min=24.0km az=-1.0. Presumed earthquake.
ISC XII 17 01 51 52.3–.55 34.52N–.06 83.24E–.07 35 4.0b 53 4-83
NDI XII 17 01 51 42.1–2.0 34.56N 83.94E 160–969 3.7W **¶621656904**
IDC XII 17 01 51 46.2–.88 34.38N 82.89E 0 3.8b,3.8
NEIC XII 17 01 51 47.9–1.3 34.36N–.08 82.83E–.04 10–1 4.5b,3.8
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 19 00 49 30.3–1.2 33.47N–.10 85.3E–.20 35 14 5-21
IDC XII 19 00 48 39.9–16 28.97N 83.07E 0 3.7,3.6b **¶636161014**
DMN XII 19 00 49 38.4–2.5 32.52N 85.38E 10 4.6b,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=266.4km s-min=62.8km az=29.0.
DMN Event type ke. Error ellipse: s-maj=59.2km s-min=7.1km az=177.0.
ISC XII 25 18 25 33.6–.77 31.56N–.07 82.96E–.07 35 3.6b 27 3-85

IDC XII 25 18 25 27.1–1.1 31.03N 82.71E 0 3.7b,3.7 ¶621700165
NDI XII 25 18 25 28.3–2.3 31.66N 83.08E 40–56 3.9W,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=16.3km az=56.0.
NDI Event type se. Error ellipse: s-maj=13.0km s-min=45.7km az=-1.0. Presumed earthquake.
ISC XII 20 07 19 22.2–1.1 34.7N–.10 83.2E–.20 35 3.7b 11 10-148
IDC XII 20 07 19 15.8–1.2 34.57N 82.93E 0 3.7b,3.7 ¶621685594
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=17.0km az=65.0.
ISC XII 23 21 02 04.5–.79 32.19N–.07 83.02E–.06 35 3.4b 27 3-85
IDC XII 23 21 01 55.5–2.6 31.74N 82.06E 0 3.8s,3.4 ¶621686846
NDI XII 23 21 01 58.2–1.9 32.16N 83.44E 10–219 3.5L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=106.9km s-min=19.2km az=67.0.
NDI Event type se. Error ellipse: s-maj=52.2km s-min=214.0km az=-1.0. Presumed earthquake.
ISC XII 27 01 59 54.3–2.7 28.74N–.08 87.40E–.08 2–20 3.6b 29 1-69
IDC XII 27 01 59 53.3–1.2 28.55N 87.09E 0 4.0L,3.5b ¶621717276
ISC Event type se.
IDC Error ellipse: s-maj=50.3km s-min=17.5km az=55.0.

(307) Sichuan.

ISC VII 04 21 48 30.3–.39 32.96N–.03 98.89E–.04 10 3.9b,3.5s 103 5-92
IDC VII 04 21 48 29.3–.82 32.90N 98.85E 0 3.8L,3.7b ¶620733775
NEIC VII 04 21 48 30.5–1.8 32.97N–.08 98.88E–.09 15–5 4.0b,3.7b
BJI VII 04 21 48 30.5 32.99N 98.94E 10 4.1s,4.1b
GFZ VII 04 21 48 32.7–.30 33N–3.0 99E–4.0 10 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 06 18 10 11.6–1.3 28.0N–.20 105.2E–.20 35 3.5b 7 20-58
IDC VII 06 18 10 06.5–1.1 27.97N 105.15E 0 3.5L,3.5b ¶620928055
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=18.9km az=60.0.
ISC VII 06 20 19 28.9–.32 28.05N–.03 105.11E–.03 10 4.5b,3.6s 270 3-84
MOS VII 06 20 19 27.9–1.4 28.09N 105.13E 13 4.7b,3.6s ¶620757326
IDC VII 06 20 19 27.2–.51 27.99N 105.07E 0 4.4L,4.2b
BJI VII 06 20 19 28.0 28.05N 104.99E 9 4.5L,4.5b
NEIC VII 06 20 19 29.1–2.0 28.11N–.06 105.03E–.07 10–1 4.5b,4.5b
GFZ VII 06 20 19 31.7–.30 28N–4.0 105E–4.0 10 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC VII 09 12 34 52.5–1.5 31.10N 104.00E 0 3.8L,3.5
¶620928263
IDC Error ellipse: s-maj=44.7km s-min=26.6km az=64.0.
ISC VII 10 11 38 07.2–1.0 29.3N–.10 105.5E–.20 35 4.1b 7 12-59
IDC VII 10 11 38 01.9–1.0 29.25N 105.47E 0 3.9L,3.8b ¶620928352
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=19.0km az=76.0.
ISC VII 14 15 36 08.0–.50 30.95N–.03 103.50E–.03 10–2 4.9b,4.0s 525 0-169
MOS VII 14 15 36 06.3–1.1 30.93N 103.54E 11 4.9b,4.4s ¶620828950
IDC VII 14 15 36 06.7–.37 30.92N 103.48E 0 4.5b,4.5
NEIC VII 14 15 36 07.8–1.4 30.93N–.06 103.49E–.02 10–1 5.0b,4.5
BJI VII 14 15 36 07.2 30.97N 103.37E 15 5.0b,4.8s
GCMT VII 14 15 36 09.3–.30 30.87N–.03 103.54E–.02 16–1 4.7W,4.8s
GFZ VII 14 15 36 10.9–.19 31N–3.0 104E–3.0 10 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107141536A. Moment Tensor Solution. s13,c13; s69,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.04±.12 $M_{\theta\theta}$0.12±.07; $M_{\phi\phi}$-1.16±.08; $M_{r\theta}$0.60±.22; $M_{\theta\phi}$-0.98±.05; $M_{\phi r}$-0.20±.20; Best double couple: NP1:ϕ_s178.00000°,δ53.00000°,λ43.00000°. NP2:ϕ_s59.00000°,δ57.00000°,λ135.00000°. Principal axes: T 1.5000,Plg54.0000°,Azm26.0000°; N 0.1940,Plg36.0000°,Azm211.0000°; P -1.6910,Plg2.0000°,Azm119.0000° $M_0$1.59500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 16 07 59 50.4–.43 32.25N–.04 104.63E–.06 15 4.3b 80 2-69
MOS VII 16 07 59 47.7–.95 32.13N 104.58E 11 4.5b ¶620928704
IDC VII 16 07 59 48.0–.93 32.17N 104.45E 0 3.9L,3.9b
NEIC VII 16 07 59 49.5–1.7 32.2N–.10 104.6E–.10 10–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 17 16 49 10.7–.95 28.2N–.10 104.9E–.20 35 3.6b,2.8s 9 11-59
IDC VII 17 16 49 05.6–.88 28.19N 104.91E 0 3.8L,3.7b ¶620928777
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=16.7km az=82.0.
ISC VII 23 06 22 40.7–.70 32.58N–.04 101.89E–.08 10 4.0b,3.6s 26 2-100
IDC VII 23 06 22 38.4–1.1 32.48N 101.67E 0 4.5L,3.8b ¶620967890
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=19.4km az=59.0.
ISC VII 23 12 55 24.4–.32 29.27N–.04 105.54E–.04 29 4.4b,3.3s 186 2-146
MOS VII 23 12 55 22.9–.98 29.23N 105.52E 35 4.5b,3.3s ¶620967915
BJI VII 23 12 55 22.3 29.28N 105.44E 15 4.8b,4.4b
IDC VII 23 12 55 23.6–3.5 29.28N 105.52E 27–23 4.2,4.1b
NEIC VII 23 12 55 25.3–.87 29.27N–.06 105.51E–.08 35–4 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 16 23 49.6–.40 32.76N–.03 102.22E–.04 10 4.0b,3.7s 80 2-81
IDC VII 24 16 23 47.0–.65 32.62N 102.32E 0 4.1L,3.9b ¶620845793
NEIC VII 24 16 23 49.4–2.1 32.7N–.10 102.27E–.10 10–1 4.2b,3.9b
BJI VII 24 16 23 49.7 32.61N 102.17E 17 4.3L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=12.7km az=81.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=13.9km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 16 38 45.1–.87 32.33N–.08 102.0E–.20 10 3.5b 13 4-63
IDC VII 24 16 38 43.6–.96 32.33N 102.03E 0 4.4L,3.5 ¶620970235
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=14.1km az=94.0.
ISC VIII 12 23 54 14.9–.90 32.16N–.07 104.7E–.20 15 3.8b 18 4-67
IDC VIII 12 23 54 12.6–.86 32.11N 104.66E 0 4.4s,4.0L ¶621009608
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=14.7km az=72.0.
IDC VIII 09 14 29 40.1–2.0 31.79N 104.44E 0 3.4,3.3b
¶621007268
IDC Error ellipse: s-maj=52.5km s-min=29.4km az=70.0.
IDC VIII 14 06 56 49.5–1.4 31.87N 104.87E 0 4.1L,3.4
¶621013456
IDC Error ellipse: s-maj=79.5km s-min=18.7km az=67.0.
IDC VIII 22 22 51 29.6–1.6 26.87N 102.43E 0 3.4,3.3b
¶621043136
IDC Error ellipse: s-maj=80.2km s-min=26.4km az=61.0.
IDC VIII 15 17 04 00.3–1.2 29.06N 103.50E 0 3.8s,3.3b
¶621023635
IDC Error ellipse: s-maj=235.9km s-min=20.9km az=58.0.
ISC VIII 24 11 06 34.5–.68 29.22N–.08 105.39E–.10 10 4.2b,3.3s 36 4-83
IDC VIII 24 11 06 33.5–.91 29.28N 105.44E 0 4.0L,3.7b ¶621049318
NEIC VIII 24 11 06 35.0–1.9 29.24N–.03 105.4E–.10 10–1 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 15 28 29.0–.65 28.50N–.07 105.5E–.10 35 4.0b 23 4-73
NEIC VIII 30 15 28 25.8–.89 28.52N–.08 105.55E–.07 10–1 4.4b ¶621076529
IDC VIII 30 15 28 25.9–1.1 28.73N 105.49E 0 4.0L,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.2km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.9km s-min=20.6km az=81.0.
IDC IX 11 08 01 24.3–1.9 28.57N 105.68E 0 3.5b,3.5
¶621108571
IDC Error ellipse: s-maj=529.8km s-min=23.9km az=55.0.
ISC VIII 31 22 37 46.3–.46 28.11N–.04 105.17E–.05 10 4.3b 89 3-146
IDC VIII 31 22 37 44.6–.72 28.07N 105.18E 0 4.4L,4.1b ¶621076651
NEIC VIII 31 22 37 46.6–1.9 28.12N–.05 105.17E–.07 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 03 13 30 39.9–.41 28.14N–.03 104.95E–.03 13–2 4.9b,3.8s 552 2-167
MOS IX 03 13 30 37.2–1.1 28.02N 104.96E 12 5.2b,4.0s ¶621030436
BJI IX 03 13 30 38.6 28.11N 104.87E 10 4.8L,4.7s
GCMT IX 03 13 30 39.9–.30 28.08N–.02 105.03E–.04 17–1 4.8W,4.7s
NEIC IX 03 13 30 39.4–1.4 28.13N–.07 104.98E–.09 10–1 5.0b,4.7s
IDC IX 03 13 30 39.5–3.0 28.06N 104.92E 17–18 4.7L,4.7
GFZ IX 03 13 30 40.4–.20 28N–3.0 105E–3.0 10 4.9b,4.8
BGR IX 03 13 30 45.5 28.07N 104.35E 33 4.9b,4.1s
ISC Event type ke.
MOS Error ellipse: s-maj=6.2km s-min=3.9km az=118.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109031330A. Moment Tensor Solution. s24,c26; s95,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.89±.11 $M_{\theta\theta}$-1.44±.07; $M_{\phi\phi}$-0.44±.07; $M_{r\theta}$-0.18±.17; $M_{\theta\phi}$-0.38±.04; $M_{\phi r}$-0.20±.24; Best double couple: NP1:ϕ_s74.00000°,δ41.00000°,λ95.00000°. NP2:ϕ_s248.00000°,δ49.00000°,λ86.00000°. Principal axes: T 1.9140,Plg85.0000°,Azm121.0000°; N -0.3260,Plg3.0000°,Azm251.0000°; P -1.5870,Plg4.0000°,Azm341.0000° $M_0$1.75000×10^{16}
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.2km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.4km s-min=11.2km az=60.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
ISC IX 12 08 19 01.7–.89 28.4N–.10 105.1E–.20 19 3.8b 10 11-60
IDC IX 12 08 18 58.5–.87 28.36N 105.05E 0 4.0L,3.7b ¶621109640
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=16.4km az=73.0.
IDC IX 13 08 10 00.5–1.2 29.58N 104.75E 0 4.3L,3.5
¶621109700
IDC Error ellipse: s-maj=86.0km s-min=20.2km az=63.0.
ISC IX 23 20 08 35.1–.33 28.06N–.03 105.04E–.03 10 4.6b,3.7s 169 3-100
MOS IX 23 20 08 31.6–1.0 27.94N 105.03E 8 4.8b,3.7s ¶621109255
IDC IX 23 20 08 32.4–.59 27.99N 104.99E 0 4.5L,4.3b
BJI IX 23 20 08 34.7 28.07N 105.09E 10 4.3b,4.1L
NEIC IX 23 20 08 34.9–1.4 28.01N–.08 105.02E–.07 10–1 4.6b,4.1L
GFZ IX 23 20 08 37.0–.25 28N–4.0 105E–4.0 10 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 15 20 33 31.8–.30 29.17N–.02 105.37E–.02 11–1 5.8b,5.2s 1842 2-174
MOS IX 15 20 33 29.7–.80 29.14N 105.39E 8 6.1b,5.2s ¶621079013
BJI IX 15 20 33 30.3 29.20N 105.34E 10 6.1L,5.9s
GCMT IX 15 20 33 31.9–.10 29.17N 105.44E 12 5.4W,5.9s
NEIC IX 15 20 33 31.9–1.4 29.19N–.06 105.37E–.06 7–3 5.9b,5.9s
GFZ IX 15 20 33 31.9–.11 29N–1.0 105E–1.0 10–0 6.1L,6.0b
IDC IX 15 20 33 32.2–1.6 29.15N 105.33E 14–9 5.6b,5.6
NEIC IX 15 20 33 32.4 29.20N 105.41E 10 5.6b,5.6
BGR IX 15 20 33 33.3 28.11N 104.06E 10 6.0,5.9b
GFZ IX 15 20 33 35.3 29.19N 105.35E 13 5.5W,5.9b
NEIC IX 15 20 33 40.7 29.20N 105.41E 12 5.4,5.9b
ISC Event type ke.
MOS Error ellipse: s-maj=5.0km s-min=3.4km az=117.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109152033A. Moment Tensor Solution. s115,c184; s154,c325;Duration: 1τ3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.87±.01 $M_{\theta\theta}$-1.43±.01; $M_{\phi\phi}$-0.44±.01; $M_{r\theta}$-0.28±.04; $M_{\theta\phi}$0.23±.01; $M_{\phi r}$-0.11±.05; Best double couple: NP1: ϕ_s106.00000°,δ41.00000°,λ96.00000°. NP2:ϕ_s278.00000°,δ49.00000°,λ85.00000°. Principal axes: T 1.9010,Plg84.0000°,Azm148.0000°; N -0.4050,Plg4.0000°,Azm281.0000°; P -1.4980,Plg4.0000°,Azm12.0000° $M_0$1.69900×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.5km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=3.3km s-min=2.4km az=46.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=9.1km s-min=8.4km az=76.0.
NEIC Event type se.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.68 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-0.47 $M_{r\theta}$1.27 $M_{\theta\phi}$0.23 $M_{\phi r}$-0.35 NP1: ϕ_s105.62830°,δ65.92635°,λ89.85674°. NP2:ϕ_s285.97949°,δ24.07405°,λ90.32065°. Principal axes: T 2.1805,Plg69.0733°,Azm15.3447°; N -0.4058,Plg0.1308°,Azm105.6867°; P -1.7747,Plg20.9262°,Azm195.7367° $M_0$2.00862×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2τ7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.68 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$-0.45 $M_{r\theta}$0.57 $M_{\theta\phi}$0.26 $M_{\phi r}$-0.83 NP1:ϕ_s278.63000°,δ31.56000°,λ66.95000°. NP2:ϕ_s125.16000°,δ61.20000°,λ103.52000°. Principal axes: T 2.0359,Plg71.0000°,Azm65.0000°; N -0.5063,Plg12.0000°,Azm299.0000°; P -1.5296,Plg15.0000°,Azm205.0000° $M_0$1.84000×10^{17}
ISC IX 15 12 32 21.0–1.2 29.3N–.10 105.8E–.20 35 3.6b 6 13-59
IDC IX 15 12 32 22.9–7.0 29.31N 105.65E 55–72 3.4L,3.4 ¶621111985
ISC Event type se.
IDC Error ellipse: s-maj=73.7km s-min=20.2km az=70.0.
ISC IX 22 13 00 00.3–.72 28.4N–.10 103.7E–.10 35 4.1b 28 5-75
NEIC IX 22 12 59 56.9–.55 28.37N–.10 103.7E–.10 10–1 4.4b ¶621118147
IDC IX 22 12 59 56.2–1.1 28.43N 103.59E 0 4.2s,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=14.1km az=309.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.0km s-min=20.4km az=80.0.
IDC IX 22 18 58 23.0–1.4 28.28N 105.03E 0 3.8b,3.8s
¶621118171
IDC Error ellipse: s-maj=39.6km s-min=21.7km az=97.0.
ISC IX 23 23 06 09.1–1.1 28.4N–.10 103.0E–.20 35 3.7b 8 11-60
IDC IX 23 23 06 03.5–1.0 28.37N 102.97E 0 4.0L,3.8b ¶621125888
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=16.4km az=69.0.
ISC IX 24 15 17 24.5–1.4 31.8N–.20 102.5E–.30 35 3.5b 6 4-63
IDC IX 24 15 17 19.9–1.1 32.07N 103.01E 0 3.6L,3.4b ¶621126447
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=15.0km az=83.0.
ISC X 01 22 48 39.9–1.4 29.2N–.20 104.0E–.20 17 3.7b 7 19-60
IDC X 01 22 48 37.3–1.1 29.14N 103.98E 0 3.7b,3.7 ¶621147850
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=18.6km az=58.0.
ISC IX 24 18 16 37.9–.65 29.18N–.08 105.51E–.07 35 4.1b 30 4-74
IDC IX 24 18 16 32.9–.95 29.17N 105.45E 0 3.8L,3.7b ¶621126454
NEIC IX 24 18 16 34.5–2.7 29.16N–.08 105.49E–.09 10–1 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 03 19 19.7–1.2 29.4N–.30 105.7E–.30 29 3.4b 7 2-71

IDC IX 27 03 19 15.1–1.2 29.37N 105.71E 0 3.5b,3.5 **¶621140677**
ISC Event type se.
IDC Error ellipse: s-maj=71.5km s-min=23.3km az=58.0.
ISC X 02 13 21 53.3–.52 29.60N–.06 104.83E–.07 35 4.3b 39 4-70
IDC X 02 13 21 48.6–.98 29.53N 104.65E 0 4.6L,4.0b **¶621186064**
NEIC X 02 13 21 50.6–1.2 29.65N–.08 104.84E–.08 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 12 01 50 56.0–.28 28.10N–.03 105.21E–.03 10 4.6b,4.1s 414 2-152
IDC XI 12 01 50 54.4–.44 28.10N 105.22E 0 4.4b,4.4 **¶621399233**
MOS XI 12 01 50 55.2–1.2 28.09N 105.24E 16 4.9b,4.4
NEIC XI 12 01 50 56.5–1.9 28.08N–.06 105.16E–.08 10–1 4.7b,4.4
BJI XI 12 01 50 56.5 28.08N 105.09E 10 4.9b,4.6L
GFZ XI 12 01 50 56.7–.27 28N–4.0 105E–5.0 10 4.8L,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 13 21 06 43.1–.76 29.74N–.06 106.29E–.07 10 3.7b,3.2s 19 2-73
IDC X 13 21 06 41.9–.82 29.77N 106.43E 0 3.7L,3.7b **¶621238995**
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=13.9km az=70.0.
ISC X 18 00 37 00.7–.32 29.30N–.03 104.02E–.04 10 4.5b,3.5s 224 2-100
IDC X 18 00 36 58.3–.56 29.23N 104.05E 0 4.2L,4.2b **¶621205070**
MOS X 18 00 36 58.7–.99 29.25N 104.14E 11 4.5b,4.2b
GFZ X 18 00 36 58.6–.28 29N–5.0 104E–4.0 10 6.1b,5.8
BJI X 18 00 37 00.6 29.28N 103.95E 10 4.9b,4.5b
NEIC X 18 00 37 01.3–1.4 29.25N–.06 104.11E–.09 10–1 4.6b,4.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 18 02 20 58.0–.92 29.2N–.10 104.0E–.20 17 4.0b 9 12-79
IDC X 18 02 20 55.1–.92 29.16N 103.93E 0 4.3s,4.0b **¶621244009**
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=17.4km az=77.0.
ISC XI 10 08 39 52.9–.49 29.66N–.04 104.74E–.04 10 4.3b 82 2-67
IDC XI 10 08 39 50.6–.81 29.57N 104.76E 0 4.2L,4.2b **¶621385920**
MOS XI 10 08 39 50.1–1.2 29.52N 104.84E 10 4.6b,4.2b
BJI XI 10 08 39 51.3 29.63N 104.69E 5 4.6b,4.3b
NEIC XI 10 08 39 52.8–1.0 29.67N–.05 104.83E–.10 10–1 4.3b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 05 23 40.8–1.3 29.6N–.20 104.8E–.40 35 3.7b 6 18-60
IDC X 06 05 23 35.6–1.1 29.53N 104.66E 0 3.8b,3.7 **¶621217124**
ISC Event type se.
IDC Error ellipse: s-maj=84.6km s-min=19.5km az=60.0.
ISC X 07 12 10 31.4–.96 28.7N–.10 105.9E–.20 35 4.1b 10 12-68
IDC X 07 12 10 26.3–.89 28.70N 105.86E 0 4.0b,4.0 **¶621217214**
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=16.5km az=63.0.
IDC X 22 18 47 53.1–6.9 28.40N 101.59E 0 3.2b,3.2
¶621309339
IDC Error ellipse: s-maj=133.4km s-min=37.8km az=10.0.
ISC X 26 02 01 02.3–.51 30.02N–.08 104.25E–.08 35 4.5b 30 5-71
IDC X 26 02 00 57.9–1.5 29.85N 104.12E 0 4.4L,3.8 **¶621366452**
NEIC X 26 02 00 59.2–1.2 30.03N–.04 104.2E–.10 10–1 4.7b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 17 07 39 10.8–1.7 28.20N 104.93E 0 4.0L,3.6
¶621494194
IDC Error ellipse: s-maj=38.9km s-min=22.7km az=112.0.
ISC XI 17 15 36 21.9–.56 28.18N–.03 104.81E–.03 11–3 4.9b,3.7s 422 3-170
MOS XI 17 15 36 20.2–1.1 28.22N 104.84E 11 5.0b,4.1s **¶621414066**
IDC XI 17 15 36 20.2–.46 28.19N 104.85E 0 4.5b,4.5
NEIC XI 17 15 36 22.0–1.5 28.22N–.06 104.80E–.08 10–1 4.9b,4.5
BJI XI 17 15 36 21.1 28.14N 104.75E 13 5.1b,4.7L
GFZ XI 17 15 36 23.7–.17 28N–3.0 105E–3.0 10 5.1b,4.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 17 15 43 02.3–1.2 28.1N–.20 104.9E–.20 35 3.5b 7 20-59
IDC XI 17 15 42 57.2–1.1 28.07N 104.85E 0 3.9L,3.5b **¶621494216**
ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=19.3km az=59.0.
ISC XI 19 20 56 13.7–1.6 28.1N–.10 104.9E–.20 10 3.9b 10 3-59
IDC XI 19 20 56 12.8–2.1 28.10N 105.18E 0 3.8L,3.8s **¶621590317**
ISC Event type se.
IDC Error ellipse: s-maj=67.5km s-min=24.1km az=83.0.
ISC XI 20 11 48 55.5–1.3 30.3N–.20 102.0E–.20 35 3.5b 6 22-64
IDC XI 20 11 48 50.4–1.2 30.28N 101.96E 0 3.6,3.5b **¶621590354**
ISC Event type se.
IDC Error ellipse: s-maj=45.4km s-min=21.9km az=53.0.
IDC XI 26 17 01 09.2–999 29.28N 106.37E 0
¶621622016
IDC Error ellipse: s-maj=634.3km s-min=207.5km az=78.0.
ISC XI 21 10 51 01.5–.27 28.45N–.03 104.84E–.03 10 4.7b,3.3s 328 3-147
MOS XI 21 10 50 59.9–.95 28.39N 104.82E 15 4.8b,3.3s **¶621427886**
IDC XI 21 10 50 59.4–.52 28.37N 104.77E 0 4.5L,4.4b
NEIC XI 21 10 51 01.8–1.2 28.51N–.07 104.81E–.09 10–1 4.6b,4.4b
BJI XI 21 10 51 02.1 28.45N 104.79E 11 4.8b,4.5s
GFZ XI 21 10 51 03.1–.20 28N–3.0 105E–3.0 10 4.8L,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC XI 22 03 36 05.2–1.3 28.24N 104.61E 0 3.5b,3.4
¶621611889
IDC Error ellipse: s-maj=87.0km s-min=22.1km az=61.0.
ISC XI 23 17 29 46.8–.89 28.22N–.10 104.8E–.20 35 3.5b 10 8-59
IDC XI 23 17 29 41.3–.89 28.15N 104.74E 0 3.7b,3.6 **¶621611968**
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=16.4km az=77.0.
IDC XII 07 22 04 46.9–3.2 31.43N 103.81E 0 3.6b,3.5
¶621632705
IDC Error ellipse: s-maj=140.2km s-min=19.1km az=82.0.
ISC XI 26 15 24 05.0–.87 29.63N–.08 104.8E–.20 35 3.7b,3.1s 12 6-60
IDC XI 26 15 23 59.7–.83 29.56N 104.73E 0 4.5L,3.8b **¶621622008**
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=14.2km az=73.0.
ISC XI 30 21 39 35.9–.29 28.39N–.03 105.02E–.03 19 4.7b,3.5s 324 2-167
IDC XI 30 21 39 32.8–.48 28.35N 104.99E 0 4.4L,4.4b **¶621564893**
MOS XI 30 21 39 33.3–.90 28.36N 105.02E 15 4.9b,4.4b
BJI XI 30 21 39 34.3 28.39N 104.93E 10 5.1b,4.4L
GFZ XI 30 21 39 35.8–.25 28N–3.0 105E–5.0 10 5.1b,4.7L
NEIC XI 30 21 39 35.2–1.2 28.39N–.06 104.97E–.08 10–1 4.7b,4.7L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 06 06 20.3–.81 29.26N–.08 105.8E–.20 35 3.7b 15 7-85
IDC XII 12 06 06 15.4–.76 29.25N 105.70E 0 4.1L,3.7b **¶621650470**

ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=13.7km az=71.0.
ISC XII 12 06 11 24.2–1.1 29.3N–.10 105.7E–.20 29 3.7b 9 7-83
IDC XII 12 06 11 19.9–1.1 29.32N 105.69E 0 3.8L,3.7b **¶621650472**
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=17.0km az=67.0.
IDC XII 13 16 33 02.1–999 30.71N 107.12E 0
¶621650583
IDC Error ellipse: s-maj=516.1km s-min=260.8km az=35.0.
ISC XII 11 22 54 03.4–1.1 27.25N–.08 102.0E–.20 10 3.9b 8 1-60
IDC XII 11 22 54 02.6–.96 27.43N 102.37E 0 3.6L,3.6b **¶621644228**
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=14.5km az=88.0.
ISC XII 15 09 30 58.9–1.4 29.2N–.20 104.1E–.20 17 3.6b 6 22-60
IDC XII 15 09 30 56.3–1.1 29.17N 104.02E 0 3.6,3.5b **¶621654095**
ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=20.4km az=56.0.
ISC XII 17 19 00 50.4–.93 32.30N–.09 105.4E–.20 10 3.5b 9 4-99
IDC XII 17 19 00 48.7–.96 32.33N 105.24E 0 3.8L,3.5b **¶621656944**
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=14.7km az=71.0.
IDC XII 15 20 57 58.4–1.7 30.02N 101.79E 0 3.4b,3.4
¶621654141
IDC Error ellipse: s-maj=78.8km s-min=27.5km az=59.0.
ISC XII 20 17 55 14.2–.79 27.2N–.10 102.8E–.10 35 3.7b 18 9-86
IDC XII 20 17 55 08.9–.76 27.10N 102.86E 0 3.7b,3.7 **¶621685633**
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=13.3km az=90.0.
ISC XII 21 02 18 36.5–.59 31.87N–.07 101.19E–.09 10 4.2b 32 5-68
IDC XII 21 02 18 35.2–.90 31.86N 101.13E 0 3.8L,3.7 **¶621685656**
NEIC XII 21 02 18 37.6–1.2 31.92N–.08 101.2E–.10 15–2 4.4b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 24 14 27 09.6–1.2 26.7N–.20 102.5E–.40 35 3.7b 9 21-119
IDC XII 24 14 27 04.5–.99 26.71N 102.54E 0 3.6b,3.6 **¶636106416**
ISC Event type ke.
IDC Error ellipse: s-maj=74.5km s-min=17.5km az=60.0.
ISC XII 30 04 26 52.0–1.3 29.1N–.40 106.4E–.30 10 3.6b 9 3-59
IDC XII 30 04 26 50.6–1.3 29.18N 106.46E 0 3.6b,3.6 **¶621725989**
ISC Event type se.
IDC Error ellipse: s-maj=233.8km s-min=21.1km az=57.0.
ISC XII 24 07 58 31.1–.51 26.22N–.07 102.27E–.08 10 4.3b,3.3s 55 5-119
IDC XII 24 07 58 29.2–.65 26.16N 102.29E 0 4.0L,3.9b **¶621700075**
NEIC XII 24 07 58 31.6–1.9 26.22N–.08 102.32E–.07 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

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ISC VII 05 17 06 54.7–.83 28.67N–.02 76.65E–.03 18–3 3.8b 84 0-76
IDC VII 05 17 06 51.8–1.6 28.62N 76.61E 0 3.7L,3.7b **¶620734243**
NDI VII 05 17 06 55.3–2.9 28.68N 76.68E 9–4 3.7L,3.5W
NEIC VII 05 17 06 55.3–2.6 28.9N–.10 76.8E–.10 10–2 3.9b,3.5W
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 23 19 58 40.1–1.2 30.72N–.03 78.64E–.04 24–12 3.6b 57 1-76
IDC VII 23 19 58 35.5–2.8 30.54N 78.18E 0 3.6,3.5L **¶620967938**
NDI VII 23 19 58 41.1–3.6 30.76N 78.78E 10 3.5L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=117.8km s-min=16.6km az=70.0.
NDI Event type se. Error ellipse: s-maj=5.8km s-min=9.7km az=-1.0. Presumed earthquake.
ISC VII 15 14 17 27.7–1.1 31.43N–.03 77.72E–.03 13–7 3.7b 59 0-121
IDC VII 15 14 17 27.5–.91 31.52N 77.50E 0 3.7L,3.7 **¶620928646**
NDI VII 15 14 17 28.5–3.0 31.32N 77.76E 5 3.4L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=16.5km az=61.0.
NDI Event type se. Error ellipse: s-maj=4.4km s-min=5.7km az=-1.0. Presumed earthquake.
ISC VIII 05 14 44 46.9–1.1 27.47N–.04 75.80E–.05 59–12 3.4b 58 1-82
IDC VIII 05 14 44 38.2–1.7 27.30N 75.47E 0 3.4b,3.4 **¶620998815**
NDI VIII 05 14 44 45.9–3.0 27.49N 75.77E 10 3.6L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=59.8km s-min=22.8km az=61.0.
NDI Event type se. Error ellipse: s-maj=5.1km s-min=6.7km az=-1.0. Presumed earthquake.
ISC VIII 04 11 40 53.6–1.1 29.52N–.02 77.69E–.03 20–4 61 1-9
NDI VIII 04 11 40 53.3–3.0 29.51N 77.62E 10 3.5L **¶625560956**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=2.8km s-min=5.0km az=-1.0. Presumed earthquake.
ISC X 03 08 51 25.9–.94 24.02N–.04 82.55E–.05 10 21 2-8
NDI X 03 08 51 24.9–1.7 24.18N 82.55E 5 3.3L **¶626338925**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=6.6km s-min=4.6km az=-1.0. Presumed earthquake.
ISC VIII 26 05 45 41.4–1.1 24.95N–.05 72.31E–.07 10 58 2-13
NDI VIII 26 05 45 45.0–2.1 25.17N 71.85E 10 3.8L **¶625561065**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=5.1km s-min=7.2km az=-1.0. Presumed earthquake.
ISC VIII 10 08 12 54.1–.85 30.59N–.02 78.01E–.03 32–7 3.6b 85 0-76
NEIC VIII 10 08 12 46.3–1.9 30.28N–.07 78.1E–.20 10–2 3.6b **¶620980000**
IDC VIII 10 08 12 48.6–1.6 30.50N 77.77E 0 3.6L,3.6b
NDI VIII 10 08 12 54.9–3.4 30.59N 77.91E 10 3.9L,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=11.5km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.8km s-min=20.8km az=60.0.
NDI Event type se. Error ellipse: s-maj=3.5km s-min=6.5km az=-1.0. Presumed earthquake.
ISC XI 28 08 17 43.6–.66 31.38N–.04 77.43E–.04 10 3.9b,3.1s 31 0-64
NDI XI 28 08 17 44.6–1.2 31.40N 77.30E 17–3 3.6W,3.5L **¶621625166**
IDC XI 28 08 17 56.2–7.2 32.66N 76.20E 0 3.8b,3.7
ISC Event type se.
UNK Event type se. Error ellipse: s-maj=2.3km s-min=2.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=115.5km s-min=47.8km az=138.0.
NDI XI 05 14 45 06.4–2.3 28.72N 76.61E 22–6 3.2W
¶625561575
UNK Event type se. Error ellipse: s-maj=4.3km s-min=5.2km az=-1.0. Presumed earthquake.
ISC XI 23 16 31 58.5–.43 31.47N–.04 77.29E–.04 9 4.2b 129 1-86
IDC XI 23 16 31 56.5–.72 31.33N 77.15E 0 3.9b,3.8 **¶621449564**
NDI XI 23 16 31 57.1–2.5 31.27N 77.15E 12–11 3.8W,3.2L
NEIC XI 23 16 31 58.7–1.2 31.32N–.10 77.17E–.09 10–1 4.3b,3.2L
GFZ XI 23 16 31 59.3–.38 31N–5.0 77E–5.0 10 5.1b,4.6L
NNC XI 23 16 32 10.6–4.4 31.92N 76.84E 76–35 3.6b,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=14.0km az=50.0.
UNK Event type se. Error ellipse: s-maj=4.9km s-min=6.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=11.1km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=12.7km s-min=7.0km az=41.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=36.5km s-min=28.7km az=120.0.
ISC XI 24 05 27 56.4–.68 31.36N–.05 77.93E–.03 8 3.6b 39 0-77
NDI XI 24 05 27 53.7–1.5 31.43N 77.92E 6–9 3.8L,3.5W **¶621613961**
IDC XI 24 05 27 55.2–1.9 31.40N 77.87E 0 4.0s,3.6b
ISC Event type se.
UNK Event type se. Error ellipse: s-maj=4.3km s-min=2.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=56.3km s-min=20.5km az=63.0.
ISC XI 19 20 56 16.2–.41 25.13N–.05 72.52E–.04 10 4.4b 182 1-90
IDC XI 19 20 56 13.9–.77 24.98N 72.33E 0 4.5L,4.1b **¶621423314**
GFZ XI 19 20 56 16.8–.25 25N–3.0 73E–4.0 11 5.2b,4.6b

NEIC XI 19 20 56 17.0–1.6 25.17N–.08 72.5E–.10 10–1 4.4b,4.6b
NDI XI 19 20 56 17.3–1.4 24.72N 72.24E 12–19 4.6L,3.9W
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=13.3km az=38.0.
GFZ Error ellipse: s-maj=9.6km s-min=6.4km az=59.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=12.8km az=248.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=10.8km s-min=7.6km az=-1.0. Presumed earthquake.
ISC XII 04 20 32 45.2–.57 30.84N–.05 78.93E–.05 10 3.8b 64 1-86
IDC XII 04 20 32 42.5–.86 30.65N 78.75E 0 3.9b,3.8 **¶621630691**
NDI XII 04 20 32 45.7–2.5 30.66N 78.95E 19–12 3.9W,3.7L
NNC XII 04 20 32 52.7–2.8 31.40N 78.38E 0 3.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=14.4km az=60.0.
NDI Event type se. Error ellipse: s-maj=5.6km s-min=9.0km az=-1.0. Presumed earthquake.
NNC Event type se. Error ellipse: s-maj=40.0km s-min=24.1km az=101.0.

(309) Nepal-India border region.

ISC VII 18 15 14 21.7–.59 28.88N–.05 81.45E–.03 33 3.8b 59 2-73
IDC VII 18 15 14 16.3–1.1 28.81N 81.51E 0 3.7b,3.7 **¶620928823**
DMN VII 18 15 14 18.1–.34 29.18N 81.14E 60 4.3L,3.7
NDI VII 18 15 14 21.4–2.5 28.86N 81.47E 10 3.5L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=17.8km az=52.0.
DMN Event type ke. Error ellipse: s-maj=19.8km s-min=6.4km az=22.0.
NDI Event type se. Error ellipse: s-maj=6.1km s-min=10.4km az=-1.0. Presumed earthquake.
ISC IX 20 10 45 16.4–.91 29.66N–.05 80.67E–.03 10 44 0-7
NDI IX 20 10 45 15.5–2.6 29.71N 80.72E 10–8 3.2L **¶625561228**
DMN IX 20 10 45 17.3–.42 29.99N 80.67E 10 4.3L
ISC Event type ke.
NDI Event type se. Error ellipse: s-maj=6.6km s-min=11.5km az=-1.0. Presumed earthquake.
DMN Event type ke. Error ellipse: s-maj=22.3km s-min=7.4km az=28.0.
ISC XII 29 19 08 17.8–1.4 29.87N–.04 80.53E–.03 5–9 4.4b 132 0-87
IDC XII 29 19 08 16.5–1.2 29.82N 80.38E 0 4.0,3.9b **¶625562044**
NDI XII 29 19 08 16.7–1.8 29.80N 80.49E 13–6 3.9W,3.8L
NEIC XII 29 19 08 19.2–1.3 29.9N–.10 80.35E–.08 10–1 4.5b,3.8L
DMN XII 29 19 08 21.4–.39 30.21N 80.50E 10 4.6L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=18.7km az=45.0.
NDI Event type se. Error ellipse: s-maj=4.6km s-min=9.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=9.2km az=24.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DMN Event type ke. Error ellipse: s-maj=19.7km s-min=6.9km az=34.0.
ISC IX 24 14 55 14.5–1.1 29.88N–.04 80.33E–.03 23–9 3.6b 64 0-74
IDC IX 24 14 55 10.0–1.6 29.84N 80.30E 0 3.9L,3.7 **¶621126445**
DMN IX 24 14 55 12.1–.39 30.11N 80.00E 10 4.3L,3.7
NDI IX 24 14 55 12.3–3.0 29.81N 80.59E 1–8 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=46.5km s-min=19.4km az=66.0.
DMN Event type ke. Error ellipse: s-maj=21.1km s-min=7.0km az=27.0.
NDI Event type se. Error ellipse: s-maj=5.9km s-min=12.1km az=-1.0. Presumed earthquake.

(310) Nepal.

ISC VII 02 16 17 43.1–1.1 29.7N–.20 81.6E–.20 10 3.9b 26 4-73
IDC VII 02 16 17 40.8–1.0 29.58N 81.61E 0 3.7b,3.7 **¶620927759**
DMN VII 02 16 17 47.7–.95 29.67N 81.53E 10 4.3L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=49.8km s-min=15.9km az=55.0.
DMN Event type ke. Error ellipse: s-maj=69.5km s-min=18.1km az=26.0.
IDC VII 05 01 07 53.6–15 27.95N 86.77E 0 3.6b,3.6s
¶620927919
IDC Error ellipse: s-maj=391.2km s-min=91.8km az=111.0.
ISC VII 09 18 04 18.8–1.8 28.0N–.30 84.7E–.40 35 3.5b 7 16-70
IDC VII 09 18 04 13.1–1.8 27.86N 84.44E 0 3.6L,3.5b **¶620928278**
ISC Event type se.
IDC Error ellipse: s-maj=90.9km s-min=20.7km az=57.0.
ISC VII 23 13 11 58.5–1.4 27.42N–.04 86.84E–.03 10–10 3.6b 36 1-68
IDC VII 23 13 11 56.0–2.0 27.12N 86.35E 0 3.8L,3.6b **¶620967917**
DMN VII 23 13 12 01.5–.18 27.35N 86.92E 30 4.3L,3.6b
NDI VII 23 13 12 03.3–2.6 27.46N 86.88E 18–19 3.3L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=136.0km s-min=25.8km az=58.0.
DMN Event type ke. Error ellipse: s-maj=8.9km s-min=3.2km az=19.0.
NDI Event type se. Error ellipse: s-maj=16.3km s-min=8.5km az=-1.0. Presumed earthquake.
ISC VIII 23 20 38 10.4–.82 29.5N–.10 81.0E–.10 10 3.7b 37 2-73
IDC VIII 23 20 38 08.1–1.0 29.37N 80.92E 0 4.0L,3.6b **¶621049263**
DMN VIII 23 20 38 12.6–.29 29.63N 80.99E 10 4.2L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=17.9km az=50.0.
DMN Event type ke. Error ellipse: s-maj=14.3km s-min=5.1km az=29.0.
ISC VIII 12 04 09 55.7–1.3 27.04N–.04 86.68E–.04 31–9 27 0-3
NDI VIII 12 04 09 55.0–2.1 27.06N 86.73E 10 3.6L **¶625560996**
DMN VIII 12 04 09 56.4–.12 26.97N 86.69E 30 4.3L
ISC Event type ke.
NDI Event type se. Error ellipse: s-maj=20.1km s-min=13.9km az=-1.0. Presumed earthquake.
DMN Event type ke. Error ellipse: s-maj=5.6km s-min=2.0km az=14.0.
IDC IX 14 12 40 09.4–17 29.06N 82.80E 0 3.4,3.3b
¶621110837
IDC Error ellipse: s-maj=279.0km s-min=72.3km az=30.0.
ISC IX 12 14 56 16.6–.98 27.63N–.03 86.10E–.03 13–7 4.0b,3.5s 65 0-79
IDC IX 12 14 56 14.4–2.7 27.48N 86.05E 0 3.8b,3.7 **¶621109663**
NEIC IX 12 14 56 15.9–1.1 27.48N–.05 86.0E–.10 10–1 4.4b,3.7
DMN IX 12 14 56 16.6–.20 27.62N 86.11E 2 4.4L,3.7
NDI IX 12 14 56 19.5–1.7 27.66N 86.23E 5 3.5L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=68.9km s-min=25.4km az=48.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=8.5km az=260.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DMN Event type ke. Error ellipse: s-maj=7.1km s-min=2.7km az=21.0.
NDI Event type se. Error ellipse: s-maj=5.1km s-min=4.2km az=-1.0. Presumed earthquake.
ISC IX 25 06 27 53.1–.84 27.88N–.04 85.80E–.02 10–6 4.0b 34 0-69
DMN IX 25 06 27 53.4–.08 27.85N 85.81E 2 4.5L **¶621131437**
IDC IX 25 06 27 60.0–8.4 27.90N 85.68E 70–76 4.0L,3.9
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=7.0.
IDC Error ellipse: s-maj=64.5km s-min=19.2km az=58.0.
ISC X 01 07 09 25.7–1.1 27.66N–.03 85.95E–.02 2–8 4.0b 62 0-79
IDC X 01 07 09 25.2–2.4 27.64N 86.13E 0 3.8L,3.8s **¶621147817**
DMN X 01 07 09 25.6–.12 27.70N 85.94E 10 4.2L,3.8s
NEIC X 01 07 09 27.9–1.7 27.69N–.10 86.11E–.05 10–1 4.5b,3.8s
NDI X 01 07 09 27.2–1.9 27.87N 85.83E 151–61 3.4L,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=87.9km s-min=24.3km az=71.0.
DMN Event type ke. Error ellipse: s-maj=4.1km s-min=1.7km az=15.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=5.6km az=342.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=15.5km s-min=15.2km az=-1.0. Presumed earthquake.
ISC X 18 08 01 37.1–.78 27.88N–.03 85.79E–.02 12–5 4.3b 136 0-82
IDC X 18 08 01 35.2–.71 27.79N 85.66E 0 5.1s,4.7L **¶621211173**
DMN X 18 08 01 36.6–.20 27.93N 85.80E 10 4.7L,4.7L
NEIC X 18 08 01 37.4–1.2 27.90N–.09 85.80E–.10 10–1 4.3b,4.7L
NDI X 18 08 01 37.4–3.8 27.85N 85.78E 10–15 3.9L,4.7L
ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=13.9km az=49.0.
DMN Event type ke. Error ellipse: s-maj=5.6km s-min=2.1km az=12.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=11.5km az=38.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=8.6km s-min=6.2km az=-1.0. Presumed earthquake.
ISC X 02 14 13 57.2–.80 27.84N–.04 85.79E–.02 14–5 4.0b 71 0-79
IDC X 02 14 13 54.9–.81 27.78N 85.58E 0 4.2L,4.0b **¶621186067**
DMN X 02 14 13 57.4–.11 27.90N 85.81E 10 4.6L,4.0b
NDI X 02 14 14 00.1–2.5 27.81N 85.80E 10 3.8L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=14.1km az=48.0.
DMN Event type ke. Error ellipse: s-maj=3.0km s-min=1.1km az=6.0.
NDI Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=-1.0. Presumed earthquake.
ISC X 02 14 28 54.8–.87 27.91N–.05 85.80E–.02 9–6 3.6b 31 0-69
IDC X 02 14 28 52.1–2.7 27.71N 85.50E 0 4.0L,3.7b **¶621186068**
DMN X 02 14 28 54.4–.15 27.91N 85.81E 10 4.1L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=78.0km s-min=22.7km az=69.0.
DMN Event type ke. Error ellipse: s-maj=4.4km s-min=1.6km az=11.0.
ISC X 16 22 24 32.2–1.2 28.10N–.06 84.94E–.03 9–9 3.6b 36 0-68
IDC X 16 22 24 30.2–1.6 27.99N 84.57E 0 3.9L,3.8b **¶621242149**
DMN X 16 22 24 31.8–.31 28.19N 84.94E 10 4.3L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=27.0km az=54.0.
DMN Event type ke. Error ellipse: s-maj=8.4km s-min=2.9km az=15.0.
ISC X 18 09 35 35.7–.86 27.87N–.05 85.80E–.02 9–6 3.9b 30 0-69
IDC X 18 09 35 34.6–1.2 27.84N 85.84E 0 4.2L,3.8b **¶621244020**
DMN X 18 09 35 35.9–.12 27.85N 85.81E 2 4.1L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=19.6km az=58.0.
DMN Event type ke. Error ellipse: s-maj=3.5km s-min=1.7km az=2.0.
ISC X 18 09 38 56.3–.92 27.89N–.05 85.81E–.02 6–7 3.5b 30 0-69
DMN X 18 09 38 56.4–.15 27.86N 85.82E 2 4.0L **¶621244021**
IDC X 18 09 38 57.9–3.5 28.19N 86.08E 0 4.1L,3.5
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=4.4km s-min=2.0km az=9.0.
IDC Error ellipse: s-maj=115.8km s-min=30.3km az=78.0.
IDC X 18 09 42 58.2–3.0 28.09N 85.69E 0 3.2L,3.2b
¶621244022
IDC Error ellipse: s-maj=96.0km s-min=31.4km az=70.0.
ISC X 18 08 11 57.1–.79 27.87N–.03 85.78E–.02 15–5 4.1b 108 0-79
IDC X 18 08 11 55.5–.87 27.65N 85.27E 0 4.5s,4.4L **¶621244018**
NEIC X 18 08 11 56.3–1.1 27.85N–.07 85.72E–.05 10–1 4.2b,4.4L
DMN X 18 08 11 57.4–.17 27.93N 85.81E 10 4.7L,4.4L
NDI X 18 08 11 59.1–3.2 27.91N 85.75E 10 3.8L,4.4L
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=15.3km az=50.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.9km az=359.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DMN Event type ke. Error ellipse: s-maj=4.8km s-min=1.8km az=11.0.
NDI Event type se. Error ellipse: s-maj=9.0km s-min=4.9km az=-1.0. Presumed earthquake.
IDC XII 07 08 32 00.8–20 28.51N 84.17E 0 3.8b,3.6
¶621632651
IDC Error ellipse: s-maj=337.6km s-min=80.4km az=27.0.

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ISC VII 25 15 09 21.6–.67 27.30N–.03 88.30E–.03 16–4 4.4b 233 1-123
MOS VII 25 15 09 18.5–.98 27.25N 88.26E 8 4.3b **¶620845937**
IDC VII 25 15 09 18.9–.61 27.29N 88.28E 0 4.4L,3.9b
DMN VII 25 15 09 20.8–.70 27.47N 88.32E 10 5.0L,3.9b
NEIC VII 25 15 09 21.6–1.4 27.34N–.06 88.31E–.05 10–1 4.5b,3.9b
NDI VII 25 15 09 22.6–3.0 27.30N 88.35E 10 4.0L,3.9b
GFZ VII 25 15 09 24.5–.23 27N–4.0 88E–3.0 37 4.5,4.4b
ISC Event type ke.
DMN Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 07 16 20 45.0–1.3 27.23N–.04 88.74E–.03 4–8 4.6b,3.4s 265 1-123
IDC XI 07 16 20 43.8–.50 27.13N 88.75E 0 4.3b,4.2L **¶621372471**
NEIC XI 07 16 20 46.4–1.4 27.27N–.08 88.78E–.06 10–1 4.6b,4.2L
GFZ XI 07 16 20 47.2–.24 27N–6.0 89E–5.0 10 5.7,5.7b
NDI XI 07 16 20 47.2–2.4 27.87N 88.58E 22–17 4.3W,5.7b
DMN XI 07 16 20 49.6–.62 27.07N 88.62E 2 5.1L,5.7b
ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=9.5km az=52.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.7km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NDI Event type se. Error ellipse: s-maj=14.1km s-min=5.9km az=-1.0. Presumed earthquake.
DMN Event type ke. Error ellipse: s-maj=18.1km s-min=10.0km az=178.0.
ISC XI 20 10 15 44.6–1.3 27.98N–.10 88.05E–.04 84–17 30 1-5
DMN XI 20 10 15 45.8–.18 27.94N 88.05E 60 4.4L **¶625561695**
NDI XI 20 10 15 45.6–.86 28.21N 87.95E 41–13 3.7L,3.6W
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=33.0.
NDI Event type se. Error ellipse: s-maj=7.7km s-min=4.1km az=-1.0. Presumed earthquake.

(313) Eastern Xizang-India border region.

ISC IX 19 09 36 30.9–.44 28.68N–.03 96.31E–.03 19–1 4.7b,3.7s 421 1-145
NDI IX 19 09 36 26.3–3.6 28.95N 96.64E 10 5.0b,4.5L **¶621083073**
IDC IX 19 09 36 28.0–.55 28.63N 96.34E 0 4.6L,4.4b
BJI IX 19 09 36 27.5 28.56N 96.33E 10 4.9b,4.8b
MOS IX 19 09 36 28.1–.84 28.65N 96.39E 12 4.8b,4.8b
NEIC IX 19 09 36 30.3–1.0 28.74N–.06 96.42E–.09 10–1 4.7b,4.8b
GFZ IX 19 09 36 34.2–.13 29N–2.0 96E–2.0 48 4.9b,4.8L
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 09 13 06 44.4–.56 29.79N–.04 94.63E–.08 10 4.0b,4.0s 32 2-80
IDC VIII 09 13 06 42.5–1.3 29.60N 94.62E 0 3.9L,3.9s **¶621007263**
NDI VIII 09 13 06 43.6–2.8 30.25N 95.08E 10 3.5L,3.9s
NEIC VIII 09 13 06 44.8–1.6 29.77N–.07 94.6E–.10 10–1 4.2b,3.9s
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 29 18 29 36.5–2.3 28.04N 92.76E 0 3.6L,3.2
¶621391456
IDC Error ellipse: s-maj=80.3km s-min=22.2km az=73.0.
ISC X 04 16 16 27.7–1.8 28.4N–.10 97.55E–.10 10 21 2-62
NDI X 04 16 16 28.8–1.3 28.29N 97.61E 10 3.7L **¶625561334**
DMN X 04 16 16 32.3–1.3 26.98N 96.99E 10 5.4b
IDC X 04 16 16 56.8–1.5 25.52N 102.00E 0 3.7b,3.5
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=13.4km s-min=12.4km az=-1.0. Presumed earthquake.
DMN Event type ke. Error ellipse: s-maj=167.1km s-min=27.3km az=4.0.
IDC Error ellipse: s-maj=42.6km s-min=27.8km az=74.0.
ISC X 08 19 54 32.0–1.5 27.56N–.05 92.80E–.04 8–11 40 1-9
NDI X 08 19 54 33.6–2.3 27.45N 92.87E 5 3.7L **¶625561368**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=-1.0. Presumed earthquake.
ISC XII 21 22 37 04.0–.99 29.72N–.08 95.07E–.08 35 3.6b 39 2-62
NDI XII 21 22 36 51.7–1.8 29.66N 96.00E 52–14 4.2L,4.1W **¶621685712**

IDC XII 21 22 36 59.1–1.7 29.57N 95.38E 0 4.0L,3.5
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=8.5km s-min=15.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=65.5km s-min=27.0km az=60.0.
ISC XII 14 12 32 18.2–3.4 29.0N–.10 95.5E–.20 35 31 2-11
DMN XII 14 12 32 16.8–.51 29.70N 95.65E 10 4.1L **¶636160885**
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=35.8km s-min=9.2km az=170.0.

(314) Southern India.

ISC VII 11 03 03 16.8–.61 19.47N–.04 77.25E–.05 35 3.9b 46 1-147
IDC VII 11 03 03 13.2–.74 19.43N 76.99E 0 4.1L,4.0 **¶620928397**
NDI VII 11 03 03 14.5–2.8 19.50N 77.20E 5 3.6L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=13.4km az=65.0.
NDI Event type se. Error ellipse: s-maj=4.0km s-min=5.2km az=-1.0. Presumed earthquake.
NDI VII 18 07 13 40.8–2.6 23.27N 70.41E 10 3.7L
¶626232889
NDI Event type se. Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0. Presumed earthquake.
ISC VIII 21 06 38 39.8–.99 22.95N–.08 70.62E–.07 10 15 1-17
NDI VIII 21 06 38 46.7–2.4 23.68N 70.27E 10 3.8L **¶626338852**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=8.4km s-min=6.6km az=-1.0. Presumed earthquake.
ISC VIII 19 13 43 25.2–1.3 22.15N–.06 70.2E–.10 10 3.4b 14 1-77
NDI VIII 19 13 43 16.8–2.1 22.27N 69.29E 15–47 4.2L **¶621039195**
IDC VIII 19 13 43 28.0–18 22.68N 71.17E 0 3.3b,3.3
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=14.8km s-min=50.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=624.4km s-min=39.8km az=80.0.
ISC VII 25 23 30 57.4–.67 16.12N–.04 78.48E–.05 35 3.8s,3.8b 42 1-74
IDC VII 25 23 30 55.0–1.1 16.25N 78.48E 0 4.2L,3.9 **¶620973802**
NDI VII 25 23 31 00.0–2.9 16.12N 78.47E 38–16 3.8L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=45.6km s-min=19.2km az=81.0.
NDI Event type se. Error ellipse: s-maj=4.7km s-min=5.8km az=-1.0. Presumed earthquake.
ISC VIII 20 14 00 13.3–.72 17.21N–.06 77.27E–.05 10 3.6b 23 1-73
IDC VIII 20 14 00 12.1–1.1 17.25N 76.96E 0 3.8L,3.6b **¶621041286**
NDI VIII 20 14 00 13.7–2.5 17.33N 77.28E 5 3.6L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=14.3km az=72.0.
NDI Event type se. Error ellipse: s-maj=11.8km s-min=4.4km az=-1.0. Presumed earthquake.
ISC IX 04 18 19 23.2–.57 16.72N–.05 75.68E–.05 10 3.6b 28 2-145
IDC IX 04 18 19 21.8–.65 16.67N 75.83E 0 3.8b,3.8 **¶621081647**
NDI IX 04 18 19 34.4–3.0 16.64N 75.00E 5 4.0L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=12.9km az=53.0.
NDI Event type se. Error ellipse: s-maj=5.4km s-min=6.4km az=-1.0. Presumed earthquake.
ISC X 11 16 24 41.7–.46 17.31N–.04 77.30E–.04 35 4.0b 77 1-147
IDC X 11 16 24 37.7–.70 17.36N 77.25E 0 4.0L,3.9 **¶621236895**
NEIC X 11 16 24 38.9–1.2 17.2N–.10 77.0E–.20 10–1 4.3b,3.9
NDI X 11 16 24 39.5–3.2 17.36N 77.33E 10 4.0L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=12.8km az=66.0.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=18.5km az=259.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=5.4km s-min=5.3km az=-1.0. Presumed earthquake.
ISC X 09 00 07 12.0–1.0 17.32N–.05 77.33E–.05 10 19 1-13
NDI X 09 00 07 13.4–2.4 17.43N 77.34E 10–14 3.6L **¶626338946**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=-1.0. Presumed earthquake.
NDI IX 11 02 48 44.6–1.9 16.66N 75.76E 5 3.5L
¶626338889
NDI Event type se. Error ellipse: s-maj=3.6km s-min=3.6km az=-1.0. Presumed earthquake.
NDI X 07 19 13 28.1–2.1 17.37N 77.29E 6–9 3.5L
¶626338940
NDI Event type se. Error ellipse: s-maj=6.1km s-min=4.5km az=-1.0. Presumed earthquake.
NDI X 20 04 58 50.8–2.2 16.85N 75.50E 10 3.8L
¶626338968
NDI Event type se. Error ellipse: s-maj=3.5km s-min=3.9km az=-1.0. Presumed earthquake.
ISC X 12 02 37 13.8–1.2 17.40N–.07 77.38E–.05 35 16 1-13
NDI X 12 02 37 10.5–3.1 17.37N 77.33E 10–10 3.3L **¶626338957**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=-1.0. Presumed earthquake.
ISC XII 01 10 13 18.2–1.2 19.97N–.06 73.04E–.07 35 18 1-14
NDI XII 01 10 13 15.2–1.9 19.91N 73.07E 21–12 3.9W,3.8L **¶626727284**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=5.9km s-min=6.7km az=-1.0. Presumed earthquake.
ISC X 23 08 33 26.1–.76 18.88N–.04 79.43E–.04 10 22 2-68
NDI X 23 08 33 26.9–3.1 18.85N 79.52E 5 3.7L **¶626338973**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=5.9km s-min=10.2km az=-1.0. Presumed earthquake.
ISC X 24 11 37 09.6–.84 17.22N–.05 73.78E–.06 17 3.7b 47 0-71
IDC X 24 11 37 06.3–2.4 17.10N 73.67E 0 3.8b,3.8 **¶621366390**
NDI X 24 11 37 08.9–2.5 17.23N 73.69E 5 4.1L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=60.7km s-min=21.9km az=67.0.
NDI Event type se. Error ellipse: s-maj=4.0km s-min=6.7km az=-1.0. Presumed earthquake.
ISC XI 14 21 06 21.4–1.3 17.22N–.10 73.80E–.07 10 3.6s,3.6b 27 0-71
IDC XI 14 21 06 17.6–3.6 16.98N 73.43E 0 3.6b,3.6 **¶621468743**
NDI XI 14 21 06 22.5–1.6 17.27N 73.78E 7–7 4.0W,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=116.8km s-min=24.5km az=71.0.
NDI Event type se. Error ellipse: s-maj=10.3km s-min=6.2km az=-1.0. Presumed earthquake.
NDI X 31 13 18 45.0–2.8 19.00N 79.87E 10–9 4.0L
¶626338983
NDI Event type se. Error ellipse: s-maj=3.4km s-min=5.0km az=-1.0. Presumed earthquake.
NDI XII 12 04 00 28.3–2.2 23.28N 82.86E 14–113 3.6W,3.4L
¶626727360
NDI Event type se. Error ellipse: s-maj=13.8km s-min=132.7km az=-1.0. Presumed earthquake.
NDI XII 23 08 46 20.1–1.3 13.28N 78.22E 10 3.8L
¶626727382
NDI Event type se. Error ellipse: s-maj=6.6km s-min=20.0km az=-1.0. Presumed earthquake.
NDI XII 23 09 44 13.1–.79 12.37N 79.31E 10 3.5L
¶626727383
NDI Event type se. Error ellipse: s-maj=2.5km s-min=7.1km az=-1.0. Presumed earthquake.
ISC XII 26 00 05 39.3–1.7 20.06N–.09 73.0E–.10 35 16 1-14
NDI XII 26 00 05 36.4–1.6 19.95N 73.05E 17–69 3.9W,3.7L **¶626727391**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=8.2km s-min=61.6km az=-1.0. Presumed earthquake.

(315) India-Bangladesh border region.

IDC VII 03 15 04 13.3–2.8 23.76N 92.75E 0 3.3b,3.1
¶620927813
IDC Error ellipse: s-maj=156.4km s-min=26.8km az=56.0.
ISC VII 07 03 15 24.9–.20 25.93N–.02 90.22E–.02 18–0 5.3b,4.4s 1830 1-160
MOS VII 07 03 15 21.7–.82 25.83N 90.32E 12 5.4b,4.4s **¶620757423**
BJI VII 07 03 15 22.2 26.07N 90.34E 7 5.1b,5.0b
NDI VII 07 03 15 24.9–2.9 26.05N 90.32E 10 4.9L,4.5W
GFZ VII 07 03 15 24.9 25.94N 90.25E 32 5.0W,4.5W
NEIC VII 07 03 15 24.2–1.2 25.96N–.06 90.35E–.08 10–1 5.3b,4.5W
GFZ VII 07 03 15 25.9–.07 26N–2.0 90E–2.0 22–0 5.6b,5.3b
IDC VII 07 03 15 27.0–1.9 25.99N 90.35E 30–13 4.9,4.7L
GCMT VII 07 03 15 29.6–.20 25.86N–.01 90.57E–.02 30–0 5.0W,4.7L
BGR VII 07 03 15 32.8 25.87N 89.20E 26–0 5.3b,4.7s
ISC Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=2.8km az=124.9.
NDI Event type se. Error ellipse: s-maj=5.7km s-min=3.2km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}3.58 $M_{\theta\theta}$-3.07 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.63 $M_{\phi r}$-0.23 NP1: ϕ_s106.84809°,δ44.45485°,λ95.23819°. NP2:ϕ_s279.52922°,δ45.77945°,λ84.88137°.
Principal axes: T 3.5999,Plg86.2743°,Azm113.3931°; N -0.3826,Plg3.6659°,Azm283.1039°; P -3.2172,Plg0.6637°,Azm13.1465° M_o3.42462×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.8km az=238.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=4.8km s-min=2.4km az=39.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=10.2km s-min=7.8km az=66.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107070315A. Moment Tensor Solution. s41,c53; s92,c147; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.10±.15 $M_{\theta\theta}$-3.61±.09; $M_{\phi\phi}$0.51±.09; $M_{r\theta}$-0.53±.12; $M_{\theta\phi}$0.43±.07; $M_{\phi r}$0.26±.18; Best double couple: NP1:ϕ_s91.00000°,δ40.00000°,λ83.00000°. NP2:ϕ_s280.00000°,δ50.00000°,λ96.00000°. Principal axes:
T 3.1610,Plg84.0000°,Azm229.0000°; N 0.5420,Plg4.0000°,Azm96.0000°; P -3.7010,Plg5.0000°,Azm6.0000° M_o3.43100×10^{16}
BGR Event type ke.
ISC VII 09 07 46 24.3–.41 25.96N–.03 90.30E–.03 15–2 4.4b 141 1-123
NEIC VII 09 07 46 23.8–1.3 25.98N–.08 90.40E–.06 10–1 4.3b **¶620786357**
GFZ VII 09 07 46 24.9–.37 26N–7.0 90E–5.0 10 4.5b,4.5
IDC VII 09 07 46 24.8–.55 25.97N 90.25E 22–2 4.2L,4.1
NDI VII 09 07 46 26.9–3.2 26.24N 90.29E 25–19 4.0L,3.9W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=5.8km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=16.4km s-min=7.1km az=31.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=22.9km s-min=9.6km az=57.0.
NDI Event type se. Error ellipse: s-maj=8.9km s-min=4.8km az=-1.0. Presumed earthquake.
ISC VII 20 20 40 51.0–1.5 25.93N–.04 90.30E–.03 33–6 3.9b,3.8s 60 1-75
IDC VII 20 20 40 46.1–.69 25.99N 90.10E 0 4.1L,3.8b **¶620961610**
NDI VII 20 20 40 49.7–2.8 25.94N 90.34E 10 3.9L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=10.5km az=62.0.
NDI Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=-1.0. Presumed earthquake.
IDC VIII 22 16 00 46.4–4.9 24.58N 92.32E 0 3.7L,3.4b
¶621043107
IDC Error ellipse: s-maj=225.4km s-min=23.4km az=56.0.
IDC XI 01 13 33 29.4–2.2 22.42N 92.34E 0 3.5L,3.3b
¶621401269
IDC Error ellipse: s-maj=98.0km s-min=25.9km az=53.0.
ISC X 19 00 44 08.1–.57 22.55N–.06 92.69E–.05 35 4.2b 70 1-81
IDC X 19 00 44 02.9–.91 22.58N 92.91E 0 4.2L,3.9b **¶621244053**
NDI X 19 00 44 07.8–2.1 22.53N 92.76E 24–35 3.4L,3.9b
NEIC X 19 00 44 09.2–1.5 22.53N–.07 92.79E–.02 35–2 4.8b,3.9b
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 10 19 19 59.2–1.2 23.88N–.09 92.53E–.06 35 3.3b 38 2-62
IDC XII 10 19 19 53.4–2.5 23.67N 92.36E 0 3.3b,3.3 **¶621644146**
NDI XII 10 19 20 00.6–2.2 23.91N 92.60E 37–999 3.5L,3.5W
ISC Event type se.
IDC Error ellipse: s-maj=100.7km s-min=26.9km az=70.0.
NDI Event type se. Error ellipse: s-maj=22.7km s-min=11.6km az=-1.0. Presumed earthquake.
ISC XI 20 07 42 09.1–.46 25.96N–.04 91.44E–.03 10 4.2b 99 1-123
IDC XI 20 07 42 06.6–.63 25.89N 91.28E 0 4.3L,4.0b **¶621425225**
NEIC XI 20 07 42 09.1–1.3 25.9N–.10 91.5E–.10 10–1 4.2b,4.0b
NDI XI 20 07 42 12.0–2.5 25.91N 91.33E 17–14 4.0W,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=11.1km az=68.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=10.8km az=215.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=12.8km s-min=6.8km az=-1.0. Presumed earthquake.

(317) Northeastern India.

ISC VII 07 08 26 43.3–.71 26.03N–.05 90.38E–.03 24 3.7b 37 1-65
IDC VII 07 08 26 39.7–.88 26.10N 90.70E 0 4.1L,3.8 **¶620928095**
NDI VII 07 08 26 40.7–3.7 26.17N 90.35E 10–15 3.5L,3.1W
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=14.4km az=65.0.
NDI Event type se. Error ellipse: s-maj=20.7km s-min=23.2km az=-1.0. Presumed earthquake.
ISC VII 14 14 25 09.5–.87 26.18N–.09 90.37E–.04 24 3.6b 15 1-65
IDC VII 14 14 25 05.2–3.6 26.07N 90.42E 0 3.5b,3.5 **¶620928601**
NDI VII 14 14 25 09.8–4.0 26.02N 90.40E 10 3.4L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=276.2km s-min=24.4km az=60.0.
NDI Event type se. Error ellipse: s-maj=23.0km s-min=8.1km az=-1.0. Presumed earthquake.
ISC X 03 09 10 11.5–1.5 26.75N–.05 92.32E–.04 9–10 3.7b 52 0-78
IDC X 03 09 10 09.5–.93 26.71N 92.32E 0 3.8b,3.8 **¶621186126**
NDI X 03 09 10 13.4–2.4 26.77N 92.40E 10 3.8L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=43.0km s-min=16.9km az=56.0.
NDI Event type se. Error ellipse: s-maj=7.2km s-min=5.7km az=-1.0. Presumed earthquake.
ISC VIII 23 07 43 25.5–.82 26.34N–.05 90.03E–.03 35 3.8b 48 1-89
NDI VIII 23 07 43 24.0–2.9 26.46N 90.03E 10 3.9L **¶625561046**
IDC VIII 23 07 43 27.9–1.5 28.59N 94.77E 0 4.7L,3.7
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=11.4km s-min=6.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=40.3km s-min=24.5km az=75.0.
ISC IX 02 11 03 46.6–1.1 26.9N–.20 92.40E–.09 35 4.0b 30 4-64
IDC IX 02 11 03 40.8–1.1 26.54N 92.15E 0 3.9b,3.9 **¶621080681**
ISC Event type se.
IDC Error ellipse: s-maj=100.8km s-min=18.2km az=55.0.
NDI X 06 19 25 54.9–1.6 26.07N 91.11E 5 2.7L
¶626338935
NDI Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=-1.0. Presumed earthquake.
ISC X 23 14 04 54.1–1.3 26.27N–.05 92.34E–.04 34–3 35 1-9
NDI X 23 14 04 54.5–1.6 26.22N 92.45E 32–4 3.7L **¶625561475**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=-1.0. Presumed earthquake.
ISC XII 02 09 13 01.0–5.0 25.09N–.09 93.62E–.08 39–8 22 0-10
NDI XII 02 09 12 59.3–2.2 25.12N 93.59E 36–17 3.7W,3.5L **¶626727341**
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=9.2km s-min=9.3km az=-1.0. Presumed earthquake.
ISC X 30 07 14 05.8–1.1 27.53N–.09 93.42E–.07 10 3.4s,3.2b 11 0-64
NDI X 30 07 13 45.6–2.0 28.88N 91.59E 10 3.5L,3.2b **¶621395157**
IDC X 30 07 14 04.6–2.1 27.51N 93.46E 0 3.3s,3.1b
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=16.3km s-min=18.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=76.7km s-min=29.5km az=66.0.
ISC XI 04 04 49 07.6–.69 26.81N–.06 92.49E–.05 41–7 4.0b 61 1-64
NEIC XI 04 04 49 04.0–1.1 26.80N–.05 92.58E–.09 10–1 4.4b **¶621412275**
IDC XI 04 04 49 07.6–.80 26.83N 92.50E 36–6 3.9,3.6b
NDI XI 04 04 49 10.4–.70 27.25N 92.40E 17–5 4.6L,3.9W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.6km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=80.2km s-min=14.7km az=51.0.
NDI Event type se. Error ellipse: s-maj=3.6km s-min=2.2km az=-1.0. Presumed earthquake.
IDC XII 15 20 13 59.0–5.3 26.81N 92.71E 0 3.4b,3.4
¶621654137
IDC Error ellipse: s-maj=427.5km s-min=29.9km az=61.0.

(318) Yunnan.

ISC VII 10 08 46 02.4–1.5 25.69N–.08 100.1E–.40 10 3.9b,3.1s 9 6-67
IDC VII 10 08 46 03.2–1.8 25.85N 99.90E 0 3.7b,3.7 **¶620928346**
BKK VII 10 08 46 30.1–1.1 25N–10 101E–11 10 4.5,4.5L
ISC Event type se.

ISC VII 20 19 01 19.7–.43 27.36N–.04 103.18E–.06 10 4.2b,3.2s 123 2-85
IDC VII 20 19 01 17.6–.70 27.44N 103.03E 0 4.0,3.9L ¶620961607
MOS VII 20 19 01 18.6–.94 27.46N 103.12E 15 4.4b,3.9L
NEIC VII 20 19 01 20.0–1.4 27.54N–.06 103.13E–.09 10–1 4.3b,3.9L
BJI VII 20 19 01 19.3 27.42N 103.08E 17 4.2b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=11.9km az=94.0.
MOS Error ellipse: s-maj=10.1km s-min=6.1km az=101.2.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.9km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 10 06 39 43.2–1.5 28.3N–.20 99.4E–.40 10 3.4b,3.0s 6 8-61
IDC VIII 10 06 40 02.8–2.8 28.53N 99.41E 196–30 3.6,3.1s ¶621008099
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=14.0km az=69.0.
ISC IX 01 20 09 34.8–1.2 26.2N–.10 103.1E–.20 10 3.4b 6 9-58
IDC IX 01 20 09 33.2–1.3 26.27N 103.29E 0 3.4,3.3b ¶621080640
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=17.2km az=104.0.
ISC VIII 17 16 23 44.5–.46 25.64N–.05 99.85E–.04 10 4.2b,3.1s 94 1-79
IDC VIII 17 16 23 43.3–.66 25.75N 99.91E 0 4.4L,3.9b ¶620993288
NEIC VIII 17 16 23 45.5–1.6 25.77N–.03 99.98E–.09 10–1 4.3b,3.9b
BKK VIII 17 16 23 54.7–.90 25N–7.0 100E–5.0 9 4.5b,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 11 13 30 59.8–1.4 25.68N 102.18E 0 3.4b,3.4
¶621108586
IDC Error ellipse: s-maj=37.1km s-min=16.8km az=98.0.
ISC IX 14 05 48 42.0–2.6 25.7N–.20 103.2E–.50 35 3.8b,3.2s 13 8-78
IDC IX 14 05 48 36.5–3.0 25.62N 103.20E 0 4.2L,3.8b ¶621110819
ISC Event type se.
IDC Error ellipse: s-maj=85.9km s-min=22.0km az=104.0.
IDC X 01 13 39 58.1–7.0 27.50N 104.89E 0 3.8,3.7b
¶621147830
IDC Error ellipse: s-maj=137.0km s-min=30.7km az=5.0.
IDC IX 14 23 19 25.9–3.9 26.47N 101.05E 199–45 3.6,3.2s
¶621110857
IDC Error ellipse: s-maj=47.1km s-min=18.3km az=69.0.
ISC X 26 20 56 16.9–1.4 25.50N–.08 100.0E–.50 10 3.7b 9 6-31
IDC X 26 20 56 16.3–1.6 25.58N 99.80E 0 3.6b,3.5 ¶621366491
BKK X 26 20 56 21.2–9.5 25N–56 100E–14 1 5.1b,4.4
ISC Event type se.
ISC X 15 13 03 12.4–1.4 27.3N–.20 103.2E–.30 35 3.4b 6 21-59
IDC X 15 13 03 07.4–1.2 27.28N 103.28E 0 3.4b,3.4 ¶621242063
ISC Event type se.
IDC Error ellipse: s-maj=53.5km s-min=20.5km az=65.0.
IDC X 24 01 21 17.4–999 26.31N 103.40E 0
¶621366369
IDC Error ellipse: s-maj=1068.0km s-min=267.3km az=28.0.
ISC XI 22 19 13 44.2–1.1 28.0N–.10 104.8E–.20 35 3.6b 6 8-59
IDC XI 22 19 13 39.1–1.2 27.94N 104.73E 0 3.5L,3.4b ¶621611924
ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=20.2km az=85.0.
ISC XII 24 16 24 41.9–1.5 22.5N–.10 102.1E–.20 10 7 4-53
IDC XII 24 16 24 40.6–1.8 22.40N 101.99E 0 3.3L,3.2b ¶621700094
BKK XII 24 16 24 53.2–1.3 22N–7.0 102E–9.0 10 3.4L,3.3
ISC Event type se.
IDC XI 22 10 02 55.2–1.8 26.97N 99.13E 0 3.3b,3.3
¶621611903
IDC Error ellipse: s-maj=87.5km s-min=25.4km az=68.0.

(319) Bay of Bengal.

ISC VIII 24 07 05 51.5–.70 14.43N–.04 82.91E–.04 8–4 5.0b,4.2s 464 3-155
IDC VIII 24 07 05 50.4–.35 14.39N 82.97E 0 5.1L,4.6b ¶625561048
BJI VIII 24 07 05 50.5 14.32N 82.85E 19 5.0b,5.0b
NDI VIII 24 07 05 50.1–4.0 14.49N 82.94E 10 4.7L,5.0b
GFZ VIII 24 07 05 52.4–.20 14N–3.0 83E–3.0 10 5.0b,4.9
NEIC VIII 24 07 05 53.0–1.4 14.47N–.09 83.05E–.09 10–1 5.1b,4.9
ISC Event type se.
NDI Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 20 20 30 14.0–1.1 20.73N–.06 89.66E–.05 35 37 4-9
NDI IX 20 20 30 16.1–3.3 20.67N 89.74E 39–16 3.7L ¶625561229
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=6.6km s-min=7.8km az=-1.0. Presumed earthquake.
ISC XI 14 10 30 11.1–.31 15.95N–.05 93.00E–.05 10 4.8b,3.5s 255 4-162
NDI XI 14 10 30 01.6–.40 20.02N 90.13E 36–7 4.0W,3.4L ¶621403056
IDC XI 14 10 30 09.3–.44 15.83N 93.02E 0 4.4,4.3L
DJA XI 14 10 30 11.9–.50 16N–3.0 93E–6.0 10 5.5b,5.4
NEIC XI 14 10 30 11.4–.74 15.91N–.06 93.01E–.05 10–1 4.8b,5.4
GFZ XI 14 10 30 11.2–.14 16N–2.0 93E–3.0 10 5.5b,5.3
BKK XI 14 10 30 12.9–1.9 16N–7.0 93E–16 10 4.9b,4.9L
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 29 13 14 12.8–1.1 8.8N–.10 84.45E–.08 10 3.8b,3.0s 27 4-71
IDC XII 29 13 14 10.5–.86 8.74N 84.80E 0 4.1L,3.9b ¶621724216
NDI XII 29 13 14 15.2–1.8 8.99N 84.27E 12–27 4.1L,3.9W
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=15.3km az=153.0.
NDI Event type se. Error ellipse: s-maj=17.5km s-min=21.4km az=-1.0. Presumed earthquake.

SEISMIC REGION 27.
Southern Xinjiang to Gansu.

(320) Kyrgyzstan-Xinjiang border region.

ISC VII 02 00 28 58.5–2.2 42.15N–.05 80.95E–.05 6–13 3.7b 82 2-82
IDC VII 02 00 28 55.4–.98 41.99N 81.13E 0 3.7,3.6b ¶620927703
SOME VII 02 00 28 56.5 42.18N 80.90E 5 3.7,3.6b
NNC VII 02 00 28 57.9–1.1 42.15N 80.91E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=11.2km az=110.0.
NNC Event type se. Error ellipse: s-maj=8.5km s-min=5.1km az=159.0.
ISC VII 03 20 33 58.6–1.3 41.42N–.06 79.34E–.04 10 95 1-25
KRNET VII 03 20 33 57.2–.10 41.45N 79.34E 19 3.7b ¶620733434
IDC VII 03 20 33 57.6–2.5 41.41N 79.40E 0 3.3,3.0L
NNC VII 03 20 33 58.9–1.5 41.45N 79.20E 0 4.0b,3.6
SOME VII 03 20 33 58.2 41.57N 79.23E 10 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=14.7km az=158.0.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=7.1km az=157.0.
ISC VII 03 20 44 19.9–2.7 41.43N–.09 79.30E–.06 8–14 46 1-4
NNC VII 03 20 44 19.9–2.2 41.37N 79.16E 0 3.0b,2.7 ¶621251274
SOME VII 03 20 44 20.2 41.45N 79.35E 15 3.0b,2.7
KRNET VII 03 20 44 22.4–.10 41.52N 79.23E 17 2.6b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=13.8km az=116.0.
SOME VII 04 16 30 00.1 40.68N 75.97E 15
¶626309929
ISC VII 04 19 52 46.9–1.1 40.24N–.05 76.33E–.03 10 103 1-8
KRNET VII 04 19 52 44.6–.10 40.26N 76.44E 16 3.5b ¶620733772
SOME VII 04 19 52 49.1 40.43N 76.53E 10 3.5b
NNC VII 04 19 52 50.9–.82 40.48N 76.52E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=3.8km az=175.0.
ISC VII 07 09 55 49.7–2.4 41.20N–.09 78.71E–.06 5–13 37 1-3
SOME VII 07 09 55 45.1 41.07N 78.78E 10 ¶621251418
NNC VII 07 09 55 51.9–1.6 41.23N 78.66E 0 3.3b,2.7
KRNET VII 07 09 55 51.8–.10 41.23N 78.68E 13 2.9b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=164.0.
ISC VII 09 02 24 34.8–2.3 42.30N–.07 80.73E–.07 5–12 52 1-5
SOME VII 09 02 24 28.7 42.03N 80.90E 5 ¶621251491
NNC VII 09 02 24 29.5–.70 42.03N 80.91E 0 3.8b,3.5
KRNET VII 09 02 24 31.6–.10 42.10N 80.92E 3.1b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.9km s-min=4.1km az=168.0.
ISC VII 10 09 43 17.4–2.3 41.79N–.08 79.23E–.06 11–12 26 1-3
KRNET VII 10 09 43 16.9–.10 41.79N 79.36E 17 2.6b ¶621251554
SOME VII 10 09 43 19.4 42.00N 79.38E 10 2.6b
NNC VII 10 09 43 20.0–.68 41.96N 79.30E 0 2.6,2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=166.0.
ISC VII 12 22 02 06.1–2.0 42.95N–.06 80.30E–.09 10 23 1-3
SOME VII 12 22 02 03.5 42.85N 80.48E 25 ¶622421663
KRNET VII 12 22 02 03.9–.10 42.94N 80.52E 24 3.1b
ISC Event type se.
ISC VII 13 19 28 41.4–2.3 41.87N–.07 79.66E–.06 2–13 48 1-3
SOME VII 13 19 28 42.4 41.90N 79.68E 10 ¶621251712
NNC VII 13 19 28 42.7–1.1 41.92N 79.65E 0 3.1b,3.0
KRNET VII 13 19 28 43.1–.10 41.87N 79.56E 18 3.0b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.1km s-min=4.2km az=151.0.
ISC VII 14 23 41 16.1–1.7 41.66N–.07 78.65E–.05 14–10 46 1-3
NNC VII 14 23 41 14.4–1.6 41.61N 78.73E 0 2.8b,2.6 ¶621251767
KRNET VII 14 23 41 14.8–.10 41.66N 78.70E 13 2.5b,2.6
SOME VII 14 23 41 14.9 41.60N 78.72E 10 2.5b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=7.1km az=162.0.
ISC VII 16 14 33 46.1–2.0 41.77N–.08 79.60E–.07 12–14 50 1-3
KRNET VII 16 14 33 48.0–.10 41.81N 79.45E 17 2.7b ¶621251838
SOME VII 16 14 33 49.1 41.90N 79.55E 30 2.7b
NNC VII 16 14 33 49.5–1.9 41.94N 79.45E 0 3.0,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.0km s-min=9.5km az=163.0.
NNC VII 17 09 21 57.3–1.7 41.02N 79.87E 0 3.6b,3.3
SOME VII 17 09 21 55.8 41.00N 79.85E 10 3.6b,3.3 ¶621251869
NNC Event type se. Error ellipse: s-maj=11.7km s-min=10.9km az=73.0.
ISC VII 18 19 58 54.4–1.3 41.53N–.03 77.23E–.02 0–10 132 0-9
KRNET VII 18 19 58 54.3–.10 41.53N 77.28E 17 4.0b ¶620833400
SOME VII 18 19 58 54.6 41.57N 77.30E 5 4.0b
KNET VII 18 19 58 57.8–.44 41.70N 77.15E 7–1 3.3L
NNC VII 18 19 58 57.7–.87 41.67N 77.30E 0 4.4b,4.0
ISC Event type se.
KNET Error ellipse: s-maj=6.6km s-min=2.4km az=50.0.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=3.9km az=6.0.
KRNET VII 23 14 25 36.6–.10 41.81N 77.80E 21 2.1b
¶622406682
ISC VII 25 20 59 14.7–1.1 40.67N–.02 77.90E–.02 6–6 4.5b,3.7s 437 1-110
SOME VII 25 20 59 11.7 40.68N 77.77E 15 4.4s,3.7s ¶620845952
MOS VII 25 20 59 13.9–1.5 40.64N 77.90E 9 4.6b,3.7s
BJI VII 25 20 59 14.6 40.73N 77.86E 14 4.6b,4.4L
IDC VII 25 20 59 14.1–.58 40.71N 77.86E 0 4.3,4.2b
NNC VII 25 20 59 15.3–1.0 40.78N 77.85E 0 5.2b,4.8
KRNET VII 25 20 59 15.1–.10 40.72N 77.81E 20 5.2b,4.8
NEIC VII 25 20 59 16.2–2.4 40.78N–.04 77.98E–.05 10–1 4.6b,4.8
GFZ VII 25 20 59 16.3–.14 41N–2.0 78E–2.0 10 4.7,4.5b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
KRNET VII 24 18 47 40.5–.10 41.34N 79.15E 26 2.1b
¶622406702
ISC VII 24 20 09 08.0–1.2 40.76N–.05 77.76E–.03 10 101 1-10
SOME VII 24 20 09 04.7 40.62N 77.85E 15 ¶620845801
NNC VII 24 20 09 05.7–1.1 40.69N 77.89E 0 3.9b,3.5
KRNET VII 24 20 09 08.1–.10 40.78N 77.76E 17 3.6b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=5.2km az=174.0.
ISC VII 26 17 44 50.3–1.3 41.69N–.04 77.47E–.03 1–10 63 0-3
KRNET VII 26 17 44 50.0–.10 41.73N 77.55E 23 2.8b ¶621252230
SOME VII 26 17 44 50.2 41.73N 77.52E 10 2.8b
NNC VII 26 17 44 51.0–.98 41.74N 77.53E 0 2.8b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=3.6km az=172.0.
ISC VII 28 01 40 44.2–1.4 41.55N–.04 79.24E–.03 1–8 3.6b 148 1-80
IDC VII 28 01 40 44.4–1.1 41.53N 79.33E 0 3.7b,3.7 ¶620857182
KRNET VII 28 01 40 45.4–.10 41.55N 79.18E 22 4.7b,3.7
SOME VII 28 01 40 45.6 41.60N 79.13E 10 3.6s,3.7
NNC VII 28 01 40 46.3–1.0 41.60N 79.16E 0 4.8b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=10.8km az=141.0.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=154.0.
ISC VII 29 19 53 56.0–1.5 40.16N–.07 77.42E–.04 10 57 2-6
SOME VII 29 19 53 53.9 40.00N 77.53E 20 ¶621252352
KRNET VII 29 19 53 54.5–.10 40.10N 77.40E 0 3.4b
NNC VII 29 19 53 55.1–1.2 40.12N 77.51E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.6km s-min=5.8km az=167.0.
ISC VII 28 09 51 39.3–1.6 40.52N–.05 77.37E–.03 4–12 101 1-7
KRNET VII 28 09 51 41.4–.10 40.57N 77.35E 18 3.7b ¶620857216
SOME VII 28 09 51 43.1 40.62N 77.47E 5 3.7b
NNC VII 28 09 51 44.5–.98 40.66N 77.41E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=4.4km az=169.0.
ISC VII 30 13 41 22.7–1.7 40.81N–.08 77.78E–.05 10 55 1-4
SOME VII 30 13 41 20.1 40.72N 77.83E 10 ¶621252506
KRNET VII 30 13 41 20.5–.10 40.71N 77.76E 13 2.8b
NNC VII 30 13 41 21.4–1.2 40.76N 77.84E 0 3.6b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.0km s-min=6.1km az=176.0.
ISC VIII 02 22 28 08.5–2.9 42.48N–.09 80.34E–.09 3–14 22 1-3
SOME VIII 02 22 28 08.5 42.42N 80.48E 20 ¶622406843
KRNET VIII 02 22 28 09.4–.10 42.51N 80.21E 20 2.5b
ISC Event type se.
ISC VIII 01 22 03 58.5–2.5 41.67N–.09 79.37E–.08 10–12 22 1-3
KRNET VIII 01 22 03 58.8–.10 41.68N 79.37E 17 2.4b ¶622406822
NNC VIII 01 22 03 59.1–1.7 41.73N 79.37E 0 2.8,2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=10.4km az=128.0.
SOME VII 31 21 41 38.6 42.40N 80.98E 20
¶625829018
ISC VIII 10 22 53 12.8–1.4 40.17N–.07 77.33E–.04 10 61 2-8
SOME VIII 10 22 53 12.6 40.13N 77.35E 20 ¶622409804
KRNET VIII 10 22 53 13.1–.10 40.25N 77.33E 18 3.3b
NNC VIII 10 22 53 13.1–1.8 40.21N 77.39E 0–22 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.9km s-min=8.4km az=178.0.
ISC VIII 09 10 51 26.2–.68 40.02N–.03 76.02E–.02 10–4 4.6b,3.9s 420 1-130
SOME VIII 09 10 51 20.1 39.85N 76.05E 5 4.6b,3.9s ¶620978314
IDC VIII 09 10 51 24.2–.59 39.91N 75.97E 0 4.2b,4.2
MOS VIII 09 10 51 24.8–1.1 39.90N 76.00E 11 4.7b,4.2
BJI VIII 09 10 51 26.4 40.14N 75.95E 24 4.9b,4.7L

NEIC VIII 09 10 51 26.7–2.2 40.01N–.06 76.02E–.05 10–1 4.7b,4.7L
NNC VIII 09 10 51 27.7–1.5 40.17N 76.05E 0 5.1b,4.8
KRNET VIII 09 10 51 27.2–.10 40.10N 75.94E 20 5.2b,4.8
GFZ VIII 09 10 51 28.3–.21 40N–3.0 76E–3.0 10 4.9b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 14 03 35 44.7–1.5 41.78N–.04 79.30E–.04 6–10 97 1-20
SOME VIII 14 03 35 44.6 41.83N 79.35E 15 **¶620986511**
KRNET VIII 14 03 35 45.6–.10 41.85N 79.26E 35 3.8b
IDC VIII 14 03 35 45.8–2.2 41.87N 79.72E 0 3.7,3.5L
NNC VIII 14 03 35 45.1–.75 41.90N 79.36E 0 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=11.1km az=152.0.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=2.8km az=147.0.
ISC VIII 14 22 59 44.3–1.0 41.79N–.04 77.81E–.03 7–9 51 0-3
KRNET VIII 14 22 59 43.0–.10 41.73N 77.92E 20 2.5b **¶622409880**
SOME VIII 14 22 59 43.1 41.75N 77.93E 10 2.5b
NNC VIII 14 22 59 44.1–.85 41.76N 77.85E 0 3.2b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=3.2km az=2.0.
ISC VIII 26 16 24 20.6–1.7 41.02N–.06 77.93E–.04 6–11 58 1-4
KRNET VIII 26 16 24 17.9–.10 40.92N 78.04E 18 2.8b **¶622410129**
SOME VIII 26 16 24 19.9 40.98N 77.97E 10 2.8b
NNC VIII 26 16 24 20.2–1.4 40.98N 77.99E 0 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.5km s-min=5.6km az=172.0.
ISC VIII 17 21 32 56.3–1.7 40.21N–.07 76.00E–.04 6–11 57 1-4
SOME VIII 17 21 32 49.4 39.95N 75.97E 5 **¶622409948**
NNC VIII 17 21 32 51.6–1.7 40.01N 76.09E 0 3.7b,3.4
KRNET VIII 17 21 32 54.4–.10 40.06N 76.22E 3.2b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=9.8km az=1.0.
ISC VIII 22 14 54 14.5–2.3 40.67N–.09 77.55E–.04 19–3 57 1-6
SOME VIII 22 14 54 11.5 40.48N 77.67E 15 **¶621148145**
KRNET VIII 22 14 54 13.9–.10 40.65N 77.61E 18 3.5b
NNC VIII 22 14 54 16.0–1.9 40.72N 77.77E 0 3.9b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=9.1km az=163.0.
ISC VIII 24 02 45 16.6–1.2 40.04N–.03 77.17E–.03 5–8 3.6b,3.1s 166 2-71
IDC VIII 24 02 45 15.2–1.3 39.88N 77.27E 0 3.6,3.4b **¶621001077**
SOME VIII 24 02 45 17.7 40.05N 77.18E 5 3.6,3.4b
NEIC VIII 24 02 45 19.1–1.7 40.05N–.04 77.17E–.07 10–2 4.2b,3.4b
NNC VIII 24 02 45 20.2–.55 40.10N 77.15E 0 4.3b,4.0
KRNET VIII 24 02 45 21.4–.10 40.19N 77.07E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=14.0km az=123.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=4.1km az=232.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=156.0.
ISC VIII 23 20 07 10.3–2.7 42.78N–.08 80.28E–.09 4–17 20 1-3
KRNET VIII 23 20 07 07.8–.10 42.53N 80.44E 2.7b **¶622410061**
SOME VIII 23 20 07 09.0 42.68N 80.35E 5 2.7b
ISC Event type se.
ISC VIII 28 02 46 31.7–1.9 42.45N–.07 80.70E–.07 10 35 1-4
SOME VIII 28 02 46 23.8 42.23N 80.97E 5 **¶622410157**
NNC VIII 28 02 46 24.8–2.5 42.11N 80.75E 0 3.0b,2.8
KRNET VIII 28 02 46 29.1–.10 42.36N 80.80E 2.8b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.3km s-min=12.8km az=6.0.
ISC IX 10 15 13 25.6–2.2 42.28N–.06 80.51E–.07 10–11 47 1-5
SOME IX 10 15 13 23.8 42.23N 80.63E 15 **¶622410464**
NNC IX 10 15 13 25.2–1.8 42.30N 80.55E 0 3.0,2.7b
KRNET IX 10 15 13 25.4–.10 42.37N 80.46E 3.2b,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.1km s-min=8.8km az=154.0.
ISC IX 03 14 35 03.0–1.8 40.30N–.06 76.40E–.04 6–11 56 1-5
KRNET IX 03 14 35 02.3–.10 40.36N 76.49E 18 3.2b **¶622410290**
NNC IX 03 14 35 17.9–3.5 40.87N 76.48E 0 3.5b,3.1
SOME IX 03 14 35 21.2 40.93N 76.65E 15 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.4km s-min=15.7km az=176.0.
ISC IX 06 15 00 16.9–.72 40.13N–.02 77.24E–.02 5–5 4.3b 226 2-83
IDC IX 06 15 00 14.9–.81 40.04N 77.25E 0 3.9,3.8b **¶621039296**
KRNET IX 06 15 00 15.6–.10 40.15N 77.27E 21 4.7b,3.8b
SOME IX 06 15 00 17.0 40.22N 77.40E 5 3.8s,3.8b
NEIC IX 06 15 00 17.8–1.2 40.18N–.06 77.32E–.04 10–1 4.6b,3.8b
BJI IX 06 15 00 18.6 40.20N 77.32E 20 4.2b,4.0L
NNC IX 06 15 00 20.1–1.1 40.32N 77.31E 0 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=10.5km az=57.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=4.5km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=8.1km s-min=5.5km az=156.0.
ISC IX 10 02 25 27.0–1.9 40.06N–.07 77.00E–.04 5–12 85 1-6
SOME IX 10 02 25 23.4 39.95N 77.07E 5 **¶622410453**
NNC IX 10 02 25 24.9–1.2 39.96N 77.06E 0 4.1b,3.7
KRNET IX 10 02 25 26.4–.10 40.04N 77.03E 29 3.8b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.4km s-min=6.3km az=162.0.
ISC VIII 29 05 56 16.7–3.5 41.0N–.10 79.94E–.10 10 19 2-4
NNC VIII 29 05 56 17.0–2.0 41.03N 79.92E 0 3.7b,3.2 **¶625786684**
SOME VIII 29 05 56 16.6 41.00N 79.90E 10 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.4km s-min=11.8km az=141.0.
ISC IX 07 21 10 25.6–1.5 40.32N–.07 77.15E–.03 10 95 1-7
SOME IX 07 21 10 16.9 40.12N 77.33E 10 **¶621041907**
KRNET IX 07 21 10 22.6–.10 40.25N 77.17E 18 3.9b
NNC IX 07 21 10 26.7–.85 40.42N 77.25E 0 4.1b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.2km s-min=4.6km az=163.0.
ISC IX 08 06 08 33.4–3.4 41.1N–.10 79.8E–.10 10–16 33 2-4
KRNET IX 08 06 08 36.3–.10 41.09N 79.50E 2.8b **¶622410409**
SOME IX 08 06 08 41.1 41.60N 79.37E 25 2.8b
ISC Event type se.
ISC IX 17 15 57 58.2–1.2 41.79N–.03 76.27E–.02 1–10 94 0-9
KRNET IX 17 15 57 59.9–.10 41.89N 76.30E 18 3.7b **¶621081715**
NNC IX 17 15 58 00.6–.88 41.89N 76.33E 0 4.1b,3.8
SOME IX 17 15 58 00.9 41.95N 76.33E 10 4.1b,3.8
KNET IX 17 15 58 03.2–.36 42.00N 76.09E 2–2 3.0L,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=4.0km az=164.0.
KNET Error ellipse: s-maj=2.5km s-min=1.5km az=143.0.
ISC IX 13 04 54 38.6–1.3 40.92N–.06 77.87E–.04 10 86 1-7
KRNET IX 13 04 54 34.9–.10 40.79N 78.04E 19 3.5b **¶622410534**
NNC IX 13 04 54 35.2–2.5 40.76N 77.87E 0 3.8b,3.4
SOME IX 13 04 54 35.0 40.73N 77.87E 15 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.6km s-min=11.3km az=164.0.
ISC IX 11 22 23 06.6–2.0 40.08N–.08 77.37E–.05 28–15 74 2-8
KRNET IX 11 22 23 03.7–.10 40.02N 77.45E 35 4.0b **¶621070390**
SOME IX 11 22 23 04.9 40.23N 77.45E 5 4.0b
NNC IX 11 22 23 07.1–.83 40.33N 77.47E 0 4.1b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=4.8km az=158.0.
ISC IX 15 21 34 00.9–3.7 42.24N–.09 80.8E–.10 16–28 22 1-3
SOME IX 15 21 34 00.5 42.28N 80.67E 5 **¶622410608**
KRNET IX 15 21 34 01.9–.10 42.27N 80.62E 21 2.7b
ISC Event type se.
ISC IX 18 12 18 24.5–1.7 42.10N–.06 80.53E–.06 10 53 1-5
KRNET IX 18 12 18 21.7–.10 42.09N 80.66E 14 3.5b **¶622410700**
SOME IX 18 12 18 22.0 42.08N 80.57E 5 3.5b
NNC IX 18 12 18 22.8–1.1 42.08N 80.56E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.2km s-min=5.4km az=161.0.
ISC IX 19 00 27 31.7–3.6 42.23N–.09 80.8E–.10 10–27 26 1-3
KRNET IX 19 00 27 31.9–.10 42.23N 80.63E 13 3.0b **¶622410713**
SOME IX 19 00 27 32.3 42.25N 80.65E 15 3.0b
ISC Event type se.
ISC IX 19 06 45 18.2–2.3 41.06N–.09 78.49E–.05 15–12 52 1-6
KRNET IX 19 06 45 16.8–.10 40.94N 78.34E 21 3.3b **¶622410726**
NNC IX 19 06 45 22.0–1.3 41.15N 78.41E 0 3.7b,3.4
SOME IX 19 06 45 22.0 41.15N 78.45E 15 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=5.6km az=161.0.
SOME IX 22 18 56 26.3 40.77N 75.53E 5
¶635706659
ISC IX 21 03 20 01.7–2.0 41.95N–.06 79.03E–.07 8–11 33 1-3
NNC IX 21 03 19 59.9–1.8 41.90N 79.06E 0 2.6b,2.6 **¶622410778**
KRNET IX 21 03 20 02.4–.10 41.96N 78.99E 11 2.8b,2.6
SOME IX 21 03 20 03.3 42.02N 78.97E 10 2.8b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.8km s-min=10.2km az=118.0.
ISC IX 20 14 00 38.5–2.0 40.11N–.09 77.47E–.05 10 44 2-4
KRNET IX 20 14 00 38.1–.10 40.14N 77.46E 21 3.0b **¶622410762**
SOME IX 20 14 00 39.1 40.25N 77.47E 5 3.0b
NNC IX 20 14 00 39.4–1.5 40.20N 77.41E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.4km s-min=8.1km az=170.0.
KRNET IX 22 18 57 06.6–.10 41.91N 77.16E 8 2.1b
¶622410836
ISC IX 23 11 15 20.8–2.4 40.48N–.09 77.78E–.06 12–17 32 1-3
SOME IX 23 11 15 20.8 40.45N 77.75E 5 **¶622410855**
NNC IX 23 11 15 22.3–1.3 40.49N 77.82E 0 3.5b,3.2
KRNET IX 23 11 15 23.4–.10 40.59N 77.78E 18 2.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=7.1km az=0.0.
KRNET IX 24 17 22 05.1–.10 41.84N 79.75E 19 3.0b
¶635706825
ISC IX 26 10 42 24.1–3.8 41.1N–.20 79.5E–.10 17–28 17 1-3
SOME IX 26 10 42 25.5 41.35N 79.25E 10 **¶622410942**
NNC IX 26 10 42 27.1–2.2 41.37N 78.96E 0 2.9b,2.6
KRNET IX 26 10 42 27.1–.10 41.20N 79.15E 15 2.8b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=53.1km s-min=14.2km az=88.0.
ISC IX 24 21 20 52.5–2.5 42.0N–.10 78.75E–.08 10 10 1-5
KRNET IX 24 21 20 50.5–.10 41.95N 78.95E 22 2.8b **¶622410889**
ISC Event type se.
ISC IX 25 01 50 49.6–1.9 41.97N–.06 79.00E–.06 12–11 46 1-2
KRNET IX 25 01 50 49.7–.10 41.94N 78.99E 19 3.1b **¶622410895**
SOME IX 25 01 50 50.2 42.00N 79.00E 15 3.1b
NNC IX 25 01 50 52.4–2.1 42.12N 79.06E 0 2.9,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.6km s-min=8.9km az=142.0.
ISC IX 28 05 43 32.8–1.1 40.12N–.05 75.55E–.03 10 89 1-8
SOME IX 28 05 43 28.9 40.03N 75.55E 15 **¶621111211**
KRNET IX 28 05 43 30.8–.10 40.06N 75.60E 20 3.8b
NNC IX 28 05 43 31.3–1.6 40.14N 75.70E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.1km s-min=8.2km az=163.0.
ISC X 17 01 49 16.5–3.1 40.12N–.08 77.72E–.05 12–23 61 2-6
KRNET X 17 01 49 14.5–.10 40.19N 77.63E 22 3.6b **¶622411459**
SOME X 17 01 49 14.5 40.15N 77.70E 20 3.6b
NNC X 17 01 49 18.1–2.0 40.36N 77.69E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.6km s-min=10.0km az=167.0.
ISC X 11 15 40 04.1–1.6 40.11N–.05 76.03E–.03 1–10 3.6b 111 1-83
SOME X 11 15 39 58.9 39.83N 75.92E 20 3.6b **¶621145556**
NNC X 11 15 40 03.0–1.0 40.07N 75.91E 0 4.2b,3.8
IDC X 11 15 40 03.4–1.8 40.02N 76.02E 0 3.6b,3.6
KRNET X 11 15 40 08.5–.10 40.23N 75.81E 25 4.2b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=5.2km az=159.0.
IDC Error ellipse: s-maj=28.8km s-min=19.3km az=93.0.
ISC X 24 16 55 56.6–.86 40.59N–.04 74.56E–.02 10 79 1-5
KRNET X 24 16 55 56.6–.10 40.67N 74.70E 15 2.8b **¶622411659**
SOME X 24 16 55 56.2 40.63N 74.68E 5 2.8b
NNC X 24 16 55 57.4–.80 40.63N 74.75E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=3.2km az=168.0.
ISC X 20 05 06 54.9–1.4 41.52N–.05 77.47E–.03 8–10 51 0-3
KRNET X 20 05 06 55.1–.10 41.53N 77.46E 15 2.5b **¶622411542**
SOME X 20 05 06 55.1 41.52N 77.47E 10 2.5b
NNC X 20 05 06 56.2–.82 41.58N 77.54E 0 3.5b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=5.0.
ISC X 20 05 54 48.7–2.4 40.60N–.09 77.95E–.05 3–13 46 1-4
KRNET X 20 05 54 48.7–.10 40.58N 78.12E 30 2.7b **¶622411543**
SOME X 20 05 54 49.8 40.65N 77.97E 5 2.7b
NNC X 20 05 54 51.2–1.1 40.66N 77.96E 0 3.6b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=6.3km az=175.0.
ISC X 23 10 02 13.1–2.7 40.5N–.10 76.83E–.07 4–13 25 1-3
SOME X 23 10 02 11.9 40.60N 75.82E 5 **¶622411632**
KRNET X 23 10 02 12.4–.10 40.42N 76.93E 26 2.7b
NNC X 23 10 02 13.3–.99 41.80N 73.91E 0 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=95.8km s-min=6.7km az=148.0.
ISC X 28 12 27 28.3–3.1 42.07N–.08 80.8E–.10 12–13 20 2-3
KRNET X 28 12 27 32.1–.10 42.28N 80.64E 2.6b **¶622411741**
SOME X 28 12 27 32.5 42.22N 80.62E 5 2.6b
ISC Event type se.
ISC XI 07 02 50 12.1–2.8 41.65N–.10 79.50E–.08 2–13 24 1-3
SOME XI 07 02 50 12.3 41.75N 79.48E 10 **¶622411971**
KRNET XI 07 02 50 12.6–.10 41.74N 79.48E 16 2.4b
NNC XI 07 02 50 15.5–3.1 41.73N 79.34E 0 2.5,2.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.8km s-min=19.6km az=92.0.
ISC XI 04 17 11 44.5–3.0 41.2N–.10 78.72E–.07 7–13 28 1-3
KRNET XI 04 17 11 45.5–.10 41.40N 78.77E 20 3.0b **¶622411911**
SOME XI 04 17 11 46.0 41.37N 78.97E 10 3.0b
NNC XI 04 17 11 47.6–1.1 41.42N 79.01E 0 3.1b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.5km s-min=7.1km az=83.0.
ISC X 30 08 22 29.6–1.4 40.23N–.05 74.23E–.04 3–11 43 1-5
SOME X 30 08 22 29.5 40.18N 74.08E 15 **¶622411777**
NNC X 30 08 22 31.0–1.5 40.21N 74.12E 0 3.4b,3.0
KRNET X 30 08 22 30.0–.10 40.13N 74.22E 23 3.2b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=6.3km az=176.0.
ISC XI 01 13 48 43.2–1.2 40.32N–.03 77.30E–.03 25–9 4.4b,3.4s 248 1-72
IDC XI 01 13 48 38.6–1.3 40.20N 77.34E 0 3.8b,3.8 **¶621246744**
MOS XI 01 13 48 39.6–.80 40.28N 77.33E 9 4.4b,3.8
NEIC XI 01 13 48 41.9–2.1 40.33N–.04 77.31E–.05 10–1 4.6b,3.8
SOME XI 01 13 48 41.1 40.42N 77.10E 10 3.8s,3.8
KRNET XI 01 13 48 41.0–.10 40.41N 77.15E 21 4.6b,3.8
NNC XI 01 13 48 43.4–.70 40.50N 77.15E 0 4.7b,4.2

ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=12.6km az=133.0.
MOS Error ellipse: s-maj=7.1km s-min=4.5km az=101.6.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=3.3km az=226.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=5.2km s-min=4.0km az=157.0.
ISC XI 07 14 57 52.4–1.9 41.79N–.07 79.24E–.06 19–3 46 1-3
NNC XI 07 14 57 52.6–2.2 41.89N 79.35E 0 2.9,2.1b **¶622411988**
SOME XI 07 14 57 53.3 41.90N 79.37E 15 2.9,2.1b
KRNET XI 07 14 57 55.0–.10 41.84N 79.22E 17 2.5b,2.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.8km s-min=13.6km az=155.0.
ISC XI 18 12 56 00.8–3.0 41.85N–.09 79.62E–.10 1–12 27 1-3
KRNET XI 18 12 56 01.8–.10 41.84N 79.56E 17 2.8b **¶622412392**
SOME XI 18 12 56 01.8 41.80N 79.42E 5 2.8b
NNC XI 18 12 56 02.4–1.5 41.88N 79.55E 0 2.9,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=8.4km az=120.0.
ISC XI 10 02 43 53.0–1.5 40.33N–.05 75.71E–.03 14–14 89 1-5
SOME XI 10 02 43 52.9 40.20N 75.83E 20 **¶622412087**
NNC XI 10 02 43 53.3–1.6 40.20N 76.08E 0 3.7b,3.4
KRNET XI 10 02 43 53.2–.10 40.31N 75.71E 18 3.3b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=6.8km az=166.0.
ISC XI 10 16 57 13.1–3.1 40.25N–.10 77.56E–.05 13–23 60 1-6
SOME XI 10 16 57 09.9 40.22N 77.62E 20 **¶622412100**
NNC XI 10 16 57 10.8–1.1 40.30N 77.62E 0 3.5b,3.1
KRNET XI 10 16 57 10.9–.10 40.34N 77.46E 20 3.1b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=5.3km az=163.0.
ISC XI 14 14 24 59.4–1.2 40.65N–.05 77.28E–.03 10 93 1-6
SOME XI 14 14 24 57.8 40.60N 77.38E 10 **¶622412231**
KRNET XI 14 14 24 57.9–.10 40.65N 77.27E 18 3.5b
NNC XI 14 14 25 00.2–1.1 40.68N 77.41E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.3km s-min=4.9km az=155.0.
ISC XI 25 07 21 46.9–1.8 40.08N–.07 75.91E–.04 8–12 56 2-5
SOME XI 25 07 21 36.0 39.60N 75.92E 10 **¶622412594**
NNC XI 25 07 21 38.9–1.6 39.73N 75.88E 0 3.7b,3.4
KRNET XI 25 07 21 43.0–.10 39.99N 76.10E 3.2b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=7.7km az=174.0.
ISC XII 05 12 23 16.4–2.4 42.47N–.06 80.39E–.08 2–11 40 1-3
SOME XII 05 12 23 15.7 42.38N 80.47E 10 **¶622412887**
KRNET XII 05 12 23 16.9–.10 42.38N 80.37E 18 2.6b
NNC XII 05 12 23 17.0–1.3 42.42N 80.39E 0 2.8,2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.1km s-min=7.3km az=85.0.
ISC XI 25 12 34 19.0–2.6 41.57N–.08 79.94E–.06 1–12 51 1-5
KRNET XI 25 12 34 16.7–.10 41.47N 80.11E 35 3.0b **¶622412606**
SOME XI 25 12 34 20.4 41.62N 80.08E 15 3.0b
NNC XI 25 12 34 21.6–1.3 41.68N 80.02E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.4km s-min=7.8km az=159.0.
KRNET XI 27 16 22 34.9–.10 41.78N 77.36E 9 1.8b
¶622412663
ISC XII 01 10 08 48.6–1.5 40.07N–.05 75.79E–.03 3–13 77 2-5
SOME XII 01 10 08 40.5 39.82N 75.42E 15 **¶622412754**
NNC XII 01 10 08 47.4–3.1 39.91N 76.31E 0 3.6b,3.3
KRNET XII 01 10 08 50.7–.10 40.09N 75.74E 3.4b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=16.0km az=166.0.
ISC XII 05 20 10 14.8–1.9 41.00N–.06 78.66E–.04 2–11 92 1-6
SOME XII 05 20 10 14.6 41.00N 78.70E 10 **¶622412902**
KRNET XII 05 20 10 14.6–.10 41.01N 78.70E 24 3.5b
NNC XII 05 20 10 15.0–1.4 40.93N 78.58E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=6.3km az=166.0.
ISC XII 05 20 27 41.5–1.6 41.53N–.07 78.66E–.04 10 74 1-6
KRNET XII 05 20 27 38.9–.10 41.48N 78.70E 14 3.1b **¶622412903**
SOME XII 05 20 27 40.5 41.53N 78.68E 10 3.1b
NNC XII 05 20 27 41.8–1.7 41.54N 78.75E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=6.9km az=162.0.
ISC XII 16 11 39 35.3–1.3 41.92N–.05 79.76E–.05 10 101 1-9
KRNET XII 16 11 39 33.7–.10 41.87N 79.88E 18 3.5b **¶621631351**
SOME XII 16 11 39 34.1 41.97N 79.83E 10 3.5b
NNC XII 16 11 39 34.8–.88 41.91N 79.78E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.8km s-min=3.7km az=144.0.
ISC XII 17 01 50 47.9–2.2 41.85N–.08 79.26E–.06 12–11 37 1-3
KRNET XII 17 01 50 47.4–.10 41.84N 79.39E 14 2.6b **¶622413194**
NNC XII 17 01 50 47.5–1.9 41.83N 79.25E 0 2.9,2.0b
SOME XII 17 01 50 48.6 41.92N 79.28E 15 2.9,2.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.5km s-min=12.9km az=52.0.
ISC XII 18 04 17 21.6–2.0 40.56N–.08 77.31E–.04 11–16 63 1-6
SOME XII 18 04 17 21.9 40.57N 77.35E 5 **¶622413227**
KRNET XII 18 04 17 22.9–.10 40.59N 77.35E 18 3.2b
NNC XII 18 04 17 23.4–.93 40.59N 77.40E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=164.0.
ISC XII 19 02 51 21.1–2.7 41.78N–.09 79.8E–.10 8–15 33 1-3
SOME XII 19 02 51 21.3 41.82N 79.62E 5 **¶622413243**
KRNET XII 19 02 51 21.3–.10 41.81N 79.71E 20 2.4b
NNC XII 19 02 51 23.7–1.3 41.85N 79.64E 0 2.7,2.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.5km s-min=8.5km az=60.0.
NNC XII 20 10 22 52.2–5.9 41.81N 77.70E 0 3.6b,3.0
¶624929970
NNC Event type se. Error ellipse: s-maj=44.8km s-min=25.3km az=11.0.
ISC XII 19 19 14 52.3–1.6 42.49N–.06 80.51E–.06 10 56 1-4
NNC XII 19 19 14 51.9–1.4 42.41N 80.45E 0 3.2,2.9b **¶622413264**
KRNET XII 19 19 14 51.8–.10 42.47N 80.54E 10 2.9b,2.9b
SOME XII 19 19 14 52.0 42.42N 80.50E 20 2.9b,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.6km s-min=7.3km az=164.0.
ISC XII 21 05 35 49.9–2.7 41.95N–.08 79.95E–.07 8–14 35 1-3
KRNET XII 21 05 35 47.3–.10 41.96N 80.01E 16 2.4b **¶622413316**
SOME XII 21 05 35 51.5 42.00N 79.87E 10 2.4b
NNC XII 21 05 35 52.0–1.6 42.02N 79.90E 0 2.5b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=7.4km az=160.0.
ISC XII 20 04 25 18.6–2.9 41.7N–.10 79.67E–.09 26–16 48 1-3
SOME XII 20 04 25 17.7 41.83N 79.48E 5 **¶622413283**
KRNET XII 20 04 25 18.0–.10 41.80N 79.55E 29 3.1b
NNC XII 20 04 25 19.5–1.8 41.90N 79.59E 0 3.2b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.2km s-min=7.1km az=152.0.

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NNC VII 01 00 26 30.9–.71 37.83N 76.82E 11–3 4.3b,3.9
¶621251159
NNC Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=151.0.
ISC VII 02 09 23 23.7–1.1 38.22N–.09 75.40E–.07 100 4.1b 37 3-72
NEIC VII 02 09 23 25.7–1.1 38.37N–.07 75.32E–.08 118–9 4.0b **¶621147941**
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 05 02 14 26.0–3.3 41.6N–.10 83.3E–.10 10 38 3-7
SOME VII 05 02 14 24.1 41.57N 83.48E 5 **¶621251320**
NNC VII 05 02 14 28.1–1.4 41.52N 83.26E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=6.7km az=165.0.
ISC VII 06 22 18 22.8–3.1 40.4N–.20 82.6E–.10 10 18 4-6
SOME VII 06 22 18 21.4 40.30N 82.60E 10 **¶621251398**
NNC VII 06 22 18 31.9–5.8 41.04N 83.07E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=51.0km s-min=42.1km az=109.0.
ISC VII 08 00 02 55.7–3.6 41.5N–.10 83.8E–.10 10 21 4-6
SOME VII 08 00 02 38.9 41.18N 84.38E 10 **¶621251443**
NNC VII 08 00 03 18.1–9.7 40.96N 82.16E 27–50 3.3b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=72.7km s-min=54.8km az=113.0.
ISC VII 08 13 05 03.3–.50 41.66N–.03 81.01E–.02 11–3 4.7b,4.5s 566 1-131
BJI VII 08 13 05 00.4 41.64N 81.00E 11 4.9s,4.9b **¶620780021**
SOME VII 08 13 05 01.3 41.55N 81.03E 20 4.4s,4.9b
IDC VII 08 13 05 01.4–.52 41.67N 81.10E 0 4.5b,4.4
MOS VII 08 13 05 02.0–1.0 41.66N 81.18E 15 4.9b,4.6s
NNC VII 08 13 05 02.5–1.1 41.59N 80.97E 0 5.2b,4.7
NEIC VII 08 13 05 03.3–2.3 41.62N–.06 81.05E–.02 10–1 4.8b,4.7
GFZ VII 08 13 05 03.5–.18 42N–3.0 81E–3.0 10 4.8,4.8b
GCMT VII 08 13 05 05.8–.20 41.63N–.02 81.03E–.03 19–0 4.9W,4.8b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107081305A. Moment Tensor Solution. s36,c43; s108,c167; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.50±.13 $M_{\theta\theta}$-2.36±.09; $M_{\phi\phi}$-0.13±.07; $M_{r\theta}$1.82±.17; $M_{\theta\phi}$-0.25±.04; $M_{\phi r}$0.20±.16; Best double couple: NP1:ϕ_s264.00000°,δ27.00000°,λ90.00000°. NP2:ϕ_s84.00000°,δ63.00000°,λ90.00000°. Principal axes: T 3.1100,Plg72.0000°,Azm354.0000°; N -0.1080,Plg0.0000°,Azm84.0000°; P -2.9970,Plg18.0000°,Azm174.0000° $M_0$3.05400×10^{16}
ISC VII 08 13 45 23.9–3.2 41.8N–.10 81.73E–.09 6–13 50 2-5
SOME VII 08 13 45 30.8 41.58N 81.02E 25 **¶621251468**
NNC VII 08 13 45 31.2–1.4 41.53N 80.91E 0 4.0b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.5km s-min=6.9km az=160.0.
ISC VII 08 13 51 19.6–2.5 40.8N–.10 82.68E–.09 10 41 3-6
SOME VII 08 13 51 18.1 40.70N 82.70E 5 **¶621251469**
NNC VII 08 13 51 20.1–1.9 40.83N 82.70E 17–9 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.9km s-min=11.9km az=70.0.
ISC VII 08 14 42 30.2–2.6 41.7N–.10 81.03E–.08 10 50 2-5
NNC VII 08 14 42 28.4–1.7 41.64N 80.99E 0 3.6b,3.1 **¶621251471**
SOME VII 08 14 42 28.5 41.60N 81.08E 30 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=8.9km az=168.0.
ISC VII 08 14 46 09.7–2.6 41.7N–.10 81.01E–.08 10 46 2-5
SOME VII 08 14 46 06.4 41.60N 81.22E 30 **¶621251472**
NNC VII 08 14 46 07.5–1.5 41.65N 80.99E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.1km s-min=8.1km az=174.0.
SOME VII 08 15 39 08.4 41.65N 81.23E 30
NNC VII 08 15 39 08.8–2.1 41.67N 81.03E 0 3.5b,3.1 **¶621251474**
NNC Event type se. Error ellipse: s-maj=16.8km s-min=13.6km az=53.0.
ISC VII 08 16 27 19.6–2.3 41.55N–.07 80.78E–.07 2–12 60 2-5
NNC VII 08 16 27 21.9–1.1 41.61N 80.90E 0 3.6b,3.2 **¶621251476**
SOME VII 08 16 27 21.9 41.65N 80.92E 15 3.6b,3.2
KRNET VII 08 16 27 25.5–.10 41.75N 80.74E 3.2b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=6.0km az=166.0.
ISC VII 08 17 16 45.3–3.0 41.97N–.08 81.08E–.07 14–14 59 2-5
NNC VII 08 17 16 41.3–1.7 41.64N 81.01E 0 3.8b,3.5 **¶621251479**
SOME VII 08 17 16 41.0 41.68N 81.10E 20 3.8b,3.5
KRNET VII 08 17 16 45.9–.10 41.69N 80.79E 3.3b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.6km s-min=9.1km az=179.0.
ISC VII 08 21 04 21.3–1.6 39.42N–.08 76.80E–.04 10 94 2-8
KRNET VII 08 21 04 21.0–.10 39.38N 76.83E 3.7b **¶621251484**
SOME VII 08 21 04 21.4 39.63N 76.85E 5 3.7b
NNC VII 08 21 04 23.5–1.1 39.69N 76.89E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.9km s-min=5.3km az=167.0.
ISC VII 09 02 05 03.3–4.2 41.9N–.10 80.90E–.10 18–9 32 2-5
SOME VII 09 02 04 57.8 41.73N 81.15E 20 **¶621251490**
NNC VII 09 02 04 58.6–1.1 41.69N 81.03E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=7.0km az=166.0.
SOME VII 09 09 56 28.6 38.55N 76.30E 15
NNC VII 09 09 56 30.5–2.7 38.58N 76.30E 0 3.9b,3.5 **¶621251514**
NNC Event type se. Error ellipse: s-maj=18.1km s-min=16.5km az=6.0.
ISC VII 10 07 26 24.7–2.6 41.3N–.10 83.24E–.06 10 30 3-7
SOME VII 10 07 26 22.9 41.45N 83.58E 15 **¶621251546**
NNC VII 10 07 26 25.5–1.5 41.33N 83.38E 33–38 3.8b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.8km s-min=10.3km az=176.0.
ISC VII 10 09 35 57.2–2.5 41.9N–.10 82.07E–.07 10 47 2-5
SOME VII 10 09 35 51.2 41.82N 82.37E 15 **¶621251551**
NNC VII 10 09 35 53.9–1.2 41.94N 82.23E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=155.0.
ISC VII 11 03 56 48.7–2.3 41.69N–.10 80.83E–.07 10 51 2-5
SOME VII 11 03 56 44.9 41.58N 81.05E 20 **¶621251580**
NNC VII 11 03 56 46.0–1.7 41.60N 80.97E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=8.9km az=165.0.
ISC VII 11 21 37 12.8–2.7 41.88N–.07 80.04E–.06 5–14 83 1-9
KRNET VII 11 21 37 10.8–.10 41.88N 80.03E 19 3.6b **¶621251604**
SOME VII 11 21 37 10.0 41.75N 80.20E 20 3.6b
NNC VII 11 21 37 11.2–1.1 41.84N 80.06E 0–5 3.9b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=6.1km az=165.0.
IDC VII 12 14 49 14.3–5.0 36.23N 81.84E 0 3.8,3.5b
¶620928494
IDC Error ellipse: s-maj=65.9km s-min=40.4km az=50.0.
ISC VII 12 19 58 39.6–1.6 39.76N–.07 76.75E–.04 10 72 2-6
SOME VII 12 19 58 31.3 39.48N 76.88E 15 **¶621251662**
NNC VII 12 19 58 33.6–1.8 39.61N 76.78E 0 4.1b,3.6
KRNET VII 12 19 58 34.1–.10 39.55N 76.83E 3.7b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.5km s-min=8.7km az=167.0.
ISC VII 13 04 22 51.3–3.3 40.8N–.10 79.84E–.08 7–14 23 2-4
KRNET VII 13 04 22 50.4–.10 39.94N 78.44E 2.9b **¶621251668**
SOME VII 13 04 22 50.1 40.85N 79.78E 15 2.9b
NNC VII 13 04 22 51.5–1.1 40.93N 79.75E 0 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.0km s-min=6.9km az=122.0.
ISC VII 14 04 47 37.3–2.5 40.5N–.10 80.08E–.09 10 36 2-5
KRNET VII 14 04 47 36.9–.10 40.32N 80.10E 3.0b **¶621251720**
SOME VII 14 04 47 41.5 41.00N 80.02E 5 3.0b
NNC VII 14 04 47 42.9–2.9 40.93N 80.00E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.4km s-min=18.3km az=106.0.
ISC VII 15 03 05 25.9–3.2 41.81N–.10 80.35E–.08 12–15 37 1-3
NNC VII 15 03 05 23.9–1.4 41.71N 80.40E 0 3.2b,3.0 **¶621251772**
SOME VII 15 03 05 23.3 41.80N 80.40E 5 3.2b,3.0
KRNET VII 15 03 05 25.2–.10 41.76N 80.33E 2.9b,3.0

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.9km s-min=9.2km az=69.0.
ISC VII 16 17 29 24.1–.82 40.40N–.06 83.63E–.04 10 4.0b 75 4-82
NEIC VII 16 17 29 24.5–2.6 40.40N–.09 83.7E–.10 10–2 4.0b **¶620832591**
IDC VII 16 17 29 28.8–1.5 40.74N 83.14E 0 3.6b,3.5
SOME VII 16 17 29 33.0 40.60N 82.68E 20 3.6b,3.5
NNC VII 16 17 29 34.8–1.6 40.77N 82.65E 16–9 4.3b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=14.9km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=13.6km az=66.0.
NNC Event type se. Error ellipse: s-maj=13.5km s-min=10.3km az=43.0.
ISC VII 17 09 26 50.3–3.4 41.84N–.08 80.10E–.07 6–24 54 1-4
KRNET VII 17 09 26 49.2–.10 41.75N 80.15E 2.6b **¶621251870**
SOME VII 17 09 26 50.2 41.82N 80.00E 20 2.6b
NNC VII 17 09 26 50.7–1.2 41.84N 80.00E 0 3.2b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.9km s-min=5.7km az=150.0.
ISC VII 17 09 29 56.5–4.1 41.8N–.10 81.0E–.10 5–17 28 2-4
SOME VII 17 09 29 55.1 41.72N 81.03E 5 **¶621251872**
NNC VII 17 09 29 55.9–1.6 41.69N 81.05E 0 3.5b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.8km s-min=10.3km az=63.0.
ISC VII 18 16 07 59.4–2.2 41.93N–.06 80.28E–.07 2–12 72 1-5
KRNET VII 18 16 08 00.2–.10 42.02N 80.33E 3.4b **¶621251925**
SOME VII 18 16 08 00.7 41.95N 80.25E 15 3.4b
NNC VII 18 16 08 01.5–1.1 42.04N 80.29E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=5.1km az=146.0.
ISC VII 20 01 26 59.2–.69 41.66N–.04 81.08E–.04 10 4.0b 95 1-67
SOME VII 20 01 26 57.8 41.60N 81.02E 15 4.0b **¶620838907**
IDC VII 20 01 26 58.5–1.1 41.63N 81.09E 0 3.6b,3.6
NNC VII 20 01 26 58.6–1.4 41.61N 80.96E 0 4.6b,4.1
NEIC VII 20 01 27 02.3–1.7 41.50N–.07 81.13E–.07 35–2 4.3b,4.1
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SOME VII 20 03 19 43.0 40.73N 79.15E 20
NNC VII 20 03 19 44.2–2.1 40.85N 79.21E 0 3.6b,2.9 **¶621251963**
NNC Event type se. Error ellipse: s-maj=16.5km s-min=13.8km az=95.0.
ISC VII 20 07 51 45.8–3.2 41.9N–.10 80.96E–.09 10–14 43 2-5
SOME VII 20 07 51 42.5 41.65N 81.03E 20 **¶621251969**
NNC VII 20 07 51 43.2–1.1 41.63N 80.93E 0 4.1b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.2km s-min=6.5km az=169.0.
ISC VII 20 15 11 08.9–2.8 41.2N–.10 83.25E–.09 10 33 3-6
NNC VII 20 15 11 09.8–4.1 41.57N 83.63E 0 3.6b,3.4 **¶621251981**
SOME VII 20 15 11 10.7 41.25N 83.23E 5 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.0km s-min=21.1km az=178.0.
ISC VII 21 00 51 59.6–2.7 41.5N–.10 83.37E–.09 10 30 3-6
SOME VII 21 00 51 57.9 41.48N 83.52E 5 **¶621251989**
NNC VII 21 00 51 59.3–1.0 41.60N 83.55E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.8km s-min=5.4km az=172.0.
NNC VII 21 07 04 36.4–3.8 41.64N 83.22E 0 3.6b,3.4
SOME VII 21 07 04 30.3 41.40N 83.40E 10 3.6b,3.4 **¶621251997**
NNC Event type se. Error ellipse: s-maj=37.0km s-min=25.8km az=31.0.
ISC VII 21 22 19 41.1–2.7 41.5N–.10 83.34E–.09 10 36 3-6
SOME VII 21 22 19 34.5 41.45N 83.78E 10 **¶621252013**
NNC VII 21 22 19 38.8–2.1 41.44N 83.49E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=8.8km az=152.0.
ISC VII 22 11 56 58.0–.95 37.64N–.08 78.82E–.08 28 3.7b 30 5-80
IDC VII 22 11 56 53.8–1.0 37.75N 78.76E 0 3.8,3.7b **¶620967825**
NNC VII 22 11 56 54.0–1.6 37.58N 78.85E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=11.8km az=66.0.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=10.5km az=75.0.
SOME VII 22 21 02 34.3 41.20N 83.62E 10
NNC VII 22 21 02 35.2–2.4 41.23N 83.67E 0 3.6b,3.2 **¶621252060**
NNC Event type se. Error ellipse: s-maj=20.0km s-min=14.5km az=7.0.
ISC VII 22 21 52 30.3–1.8 39.51N–.08 74.84E–.03 13–10 73 1-6
SOME VII 22 21 52 28.6 39.70N 75.03E 10 **¶621148034**
KRNET VII 22 21 52 29.3–.10 39.58N 74.89E 35 3.4b
NNC VII 22 21 52 36.9–3.3 40.00N 74.93E 0 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.9km s-min=16.2km az=166.0.
ISC VII 23 00 49 15.6–3.3 41.7N–.10 83.4E–.10 10 30 3-6
NNC VII 23 00 49 10.9–2.1 41.60N 83.62E 0 3.5b,3.2 **¶621252062**
SOME VII 23 00 49 10.3 41.40N 83.40E 10 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.1km s-min=10.9km az=167.0.
ISC VII 23 09 26 35.9–2.5 41.6N–.10 83.43E–.08 10 33 3-6
SOME VII 23 09 26 32.4 41.40N 83.70E 20 **¶621252082**
NNC VII 23 09 26 33.0–1.6 41.43N 83.57E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.8km s-min=8.2km az=176.0.
ISC VII 23 19 44 07.0–.40 40.60N–.03 82.88E–.03 10 4.2b,3.5s 145 3-80
NNC VII 23 19 44 06.8–1.8 40.54N 82.80E 7–6 4.7b,4.6 **¶620845497**
IDC VII 23 19 44 07.1–.77 40.80N 83.00E 0 3.9b,3.9
NEIC VII 23 19 44 07.8–1.3 40.72N–.08 83.0E–.10 10–1 4.5b,3.9
SOME VII 23 19 44 07.5 40.17N 82.22E 20 3.8s,3.9
BJI VII 23 19 44 07.9 40.61N 82.90E 20 5.0b,4.5L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=11.2km az=2.0.
IDC Error ellipse: s-maj=13.9km s-min=9.6km az=67.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=9.6km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 04 12 34.8–1.9 40.75N–.09 78.36E–.05 10 59 1-7
SOME VII 24 04 12 33.8 40.73N 78.42E 5 **¶621252112**
KRNET VII 24 04 12 34.4–.10 40.63N 78.29E 30 3.5b
NNC VII 24 04 12 35.5–1.1 40.76N 78.40E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=4.8km az=171.0.
IDC VII 24 21 05 49.5–4.5 36.50N 82.13E 0 3.9b,3.6
¶620970254
IDC Error ellipse: s-maj=54.8km s-min=39.0km az=9.0.
ISC VII 25 07 32 39.0–1.0 35.3N–.10 81.1E–.10 10 3.5b 13 9-83
IDC VII 25 07 32 37.4–1.2 35.24N 81.02E 0 3.7b,3.6 **¶620973752**
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=16.1km az=66.0.
ISC VII 24 21 31 45.8–2.7 40.9N–.10 79.01E–.05 8–20 46 1-3
KRNET VII 24 21 31 47.3–.10 40.92N 79.01E 19 2.6b **¶621252155**
SOME VII 24 21 31 47.9 40.90N 79.07E 10 2.6b
NNC VII 24 21 31 48.5–1.7 40.93N 79.08E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=8.4km az=168.0.
ISC VIII 05 05 04 23.9–1.7 39.90N–.06 75.62E–.03 4–11 91 1-5
SOME VIII 05 05 04 16.3 39.55N 75.85E 10 **¶622406886**
NNC VIII 05 05 04 19.7–1.4 39.73N 75.72E 0 4.1b,3.6
KRNET VIII 05 05 04 26.9–.10 39.97N 75.50E 24 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=6.6km az=162.0.
KRNET VII 28 11 40 46.7–.10 39.56N 75.03E 30 2.7b
SOME VII 28 11 40 45.0 40.72N 72.57E 10 2.7b **¶622406766**
NNC VIII 04 12 38 13.0–1.5 41.34N 83.62E 9–5 3.6b,3.2
SOME VIII 04 12 38 09.0 41.25N 83.72E 5 3.6b,3.2 **¶625785846**

NNC Event type se. Error ellipse: s-maj=11.8km s-min=9.3km az=7.0.
NNC VII 25 11 50 02.2–2.1 41.29N 83.30E 0 4.0b,3.6
¶621252182
NNC Event type se. Error ellipse: s-maj=15.8km s-min=10.2km az=160.0.
ISC VII 30 06 26 58.2–.91 38.89N–.07 75.35E–.04 10 3.6b 56 4-79
SOME VII 30 06 26 54.3 38.68N 75.37E 10 3.6b **¶620986044**
IDC VII 30 06 26 56.4–1.1 38.80N 75.21E 0 3.7b,3.7
NNC VII 30 06 26 58.8–1.5 38.92N 75.29E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=13.9km az=114.0.
NNC Event type se. Error ellipse: s-maj=12.8km s-min=7.7km az=156.0.
ISC VIII 06 16 08 17.1–3.2 41.7N–.10 83.2E–.10 10 31 3-6
SOME VIII 06 16 08 14.6 41.62N 83.38E 10 **¶625785923**
NNC VIII 06 16 08 18.7–1.8 41.74N 83.20E 1–11 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=11.3km az=11.0.
ISC VIII 07 23 02 36.4–1.5 39.80N–.04 75.31E–.03 5–11 102 1-9
SOME VIII 07 23 02 38.8 39.85N 75.45E 10 **¶620976261**
KRNET VIII 07 23 02 39.5–.10 39.77N 75.31E 35 3.7b
NNC VIII 07 23 02 42.8–2.4 40.06N 75.34E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.2km s-min=11.5km az=170.0.
ISC VIII 08 22 18 02.6–2.8 41.6N–.10 83.26E–.08 10 21 3-5
SOME VIII 08 22 17 54.2 41.28N 83.65E 25 **¶625785994**
NNC VIII 08 22 17 57.4–3.0 41.24N 83.39E 0 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.7km s-min=15.1km az=177.0.
ISC VIII 08 22 54 13.9–.55 40.94N–.05 83.82E–.03 10 4.3b 90 3-67
IDC VIII 08 22 54 12.0–2.1 40.91N 83.95E 0 3.8b,3.6 **¶620976519**
SOME VIII 08 22 54 13.0 41.12N 83.50E 0 3.8b,3.6
NEIC VIII 08 22 54 14.1–1.3 40.93N–.04 83.8E–.10 8–5 4.5b,3.6
NNC VIII 08 22 54 17.4–2.0 41.23N 83.43E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=17.1km az=101.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.8km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=17.0km s-min=11.0km az=2.0.
ISC VIII 09 16 14 38.0–2.9 40.4N–.10 78.95E–.08 3–14 28 2-3
KRNET VIII 09 16 14 39.4–.10 40.72N 79.37E 2.9b **¶622409786**
SOME VIII 09 16 14 40.6 40.62N 78.75E 5 2.9b
NNC VIII 09 16 14 41.8–3.0 40.64N 78.74E 0 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.6km s-min=13.6km az=178.0.
ISC VIII 10 05 06 28.5–2.6 41.61N–.10 80.90E–.07 5–12 42 2-5
NNC VIII 10 05 06 29.7–1.7 41.65N 81.06E 0 3.7b,3.5 **¶625786030**
SOME VIII 10 05 06 29.1 41.72N 81.12E 15 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.7km s-min=9.7km az=168.0.
ISC VIII 13 06 37 53.8–3.3 41.9N–.10 81.63E–.09 8–13 29 2-5
SOME VIII 13 06 37 59.3 41.57N 80.88E 10 **¶625786151**
NNC VIII 13 06 38 00.1–1.6 41.60N 80.87E 0 4.0b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=10.1km az=161.0.
SOME VIII 10 08 11 03.1 40.87N 79.90E 5
NNC VIII 10 08 11 04.7–1.1 40.88N 79.83E 0 3.9b,3.5 **¶625786042**
NNC Event type se. Error ellipse: s-maj=7.6km s-min=6.9km az=105.0.
ISC VIII 16 21 55 26.9–1.7 39.46N–.08 75.40E–.04 10 41 2-5
SOME VIII 16 21 55 20.3 39.40N 75.02E 5 **¶622409920**
NNC VIII 16 21 55 22.3–2.1 39.46N 75.00E 0 3.6b,3.1
KRNET VIII 16 21 55 22.1–.10 39.26N 75.48E 3.0b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=14.1km az=113.0.
ISC VIII 15 01 35 57.8–1.4 37.97N–.08 77.73E–.07 10 46 5-71
IDC VIII 15 01 35 54.2–1.7 37.71N 77.70E 0 3.3,3.2b **¶621023511**
SOME VIII 15 01 36 00.0 38.03N 77.77E 10 3.3,3.2b
NNC VIII 15 01 36 03.8–2.5 38.17N 78.11E 3–13 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=17.9km az=73.0.
NNC Event type se. Error ellipse: s-maj=17.5km s-min=16.2km az=122.0.
ISC VIII 15 01 44 15.1–2.8 38.4N–.20 78.22E–.08 10 22 5-23
NNC VIII 15 01 44 10.2–2.2 38.06N 78.24E 0 4.1b,3.7 **¶621023513**
IDC VIII 15 01 44 11.3–2.8 38.32N 78.12E 0 3.6b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.0km s-min=15.7km az=78.0.
IDC Error ellipse: s-maj=27.9km s-min=21.8km az=35.0.
ISC VIII 17 04 21 44.9–2.8 41.83N–.08 80.02E–.10 2–12 27 1-3
KRNET VIII 17 04 21 45.5–.10 41.73N 79.96E 2.5b **¶622409932**
SOME VIII 17 04 21 45.1 41.82N 79.97E 5 2.5b
NNC VIII 17 04 21 47.7–1.9 41.91N 79.97E 0 3.1,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=11.7km az=93.0.
SOME VIII 16 19 57 01.9 41.68N 81.12E 15
NNC VIII 16 19 57 03.0–2.4 41.61N 80.94E 0 3.5b,3.1 **¶625786259**
NNC Event type se. Error ellipse: s-maj=17.6km s-min=15.3km az=62.0.
ISC VIII 18 20 52 13.1–2.0 40.68N–.08 78.31E–.05 10 52 1-6
SOME VIII 18 20 52 11.8 40.65N 78.35E 10 **¶622409960**
NNC VIII 18 20 52 12.8–1.3 40.68N 78.32E 0 3.7b,3.3
KRNET VIII 18 20 52 13.9–.10 40.71N 78.28E 19 3.0b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.6km s-min=5.6km az=169.0.
ISC VIII 18 18 28 24.5–4.1 40.7N–.20 78.70E–.08 28–23 35 1-3
KRNET VIII 18 18 28 24.6–.10 40.81N 78.58E 22 2.2b **¶622409959**
SOME VIII 18 18 28 25.4 40.88N 78.77E 10 2.2b
NNC VIII 18 18 28 26.4–1.7 40.94N 78.75E 0 3.7b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=8.3km az=166.0.
ISC VIII 19 03 08 40.9–1.5 40.76N–.07 78.29E–.04 10 78 1-35
SOME VIII 19 03 08 35.6 40.60N 78.33E 15 **¶621039151**
NNC VIII 19 03 08 37.2–.90 40.66N 78.31E 0 4.0b,3.6
KRNET VIII 19 03 08 38.4–.10 40.70N 78.26E 15 3.5b,3.6
IDC VIII 19 03 08 39.4–3.1 40.64N 78.50E 0 3.4,3.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=4.0km az=168.0.
IDC Error ellipse: s-maj=31.9km s-min=26.0km az=92.0.
ISC VIII 18 19 17 19.5–1.4 39.91N–.05 76.04E–.03 18–9 89 1-8
SOME VIII 18 19 17 18.5 39.90N 76.02E 5 **¶620996740**
KRNET VIII 18 19 17 25.7–.10 40.11N 75.93E 15 3.5b
NNC VIII 18 19 17 25.9–1.9 40.16N 76.15E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.9km s-min=10.7km az=170.0.
ISC VIII 21 07 25 48.0–4.0 40.8N–.10 79.87E–.08 2–20 26 2-3
SOME VIII 21 07 25 47.2 40.90N 79.90E 10 **¶622410007**
NNC VIII 21 07 25 47.6–2.0 40.95N 80.08E 0 3.7b,3.1
KRNET VIII 21 07 25 47.0–.10 40.60N 80.14E 3.1b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.0km s-min=13.6km az=85.0.
ISC VIII 21 18 42 01.2–.79 37.22N–.09 85.1E–.10 10 3.5b 19 10-77
IDC VIII 21 18 41 59.4–.78 37.05N 84.90E 0 3.6b,3.6 **¶621043013**
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=11.4km az=58.0.
ISC VIII 24 03 14 37.1–2.1 39.45N–.10 75.42E–.05 10 35 2-4
SOME VIII 24 03 14 24.1 39.03N 75.35E 5 **¶622410065**
NNC VIII 24 03 14 28.9–3.8 39.24N 75.21E 0 3.6b,3.2
KRNET VIII 24 03 14 35.0–.10 39.35N 75.41E 24 3.3b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.0km s-min=25.2km az=100.0.
ISC IX 01 09 28 10.2–3.7 41.1N–.20 83.9E–.10 10 22 4-6
SOME IX 01 09 28 07.6 41.00N 84.00E 20 **¶624939830**
NNC IX 01 09 28 11.3–3.4 41.10N 83.78E 0 3.8b,3.5
ISC Event type se.

NNC Event type se. Error ellipse: s-maj=25.1km s-min=19.7km az=178.0.
ISC VIII 31 13 28 43.0–.62 40.52N–.05 82.92E–.04 10 4.0b 85 3-90
SOME VIII 31 13 28 40.4 40.47N 82.87E 10 4.0b ¶621076609
IDC VIII 31 13 28 42.1–1.1 40.56N 82.83E 0 4.9s,3.9b
NEIC VIII 31 13 28 42.5–1.3 40.45N–.07 82.9E–.10 10–1 4.3b,3.9b
NNC VIII 31 13 28 45.3–1.2 40.77N 82.85E 1–5 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=13.5km az=29.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.6km az=233.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=8.4km s-min=6.5km az=93.0.
ISC VIII 26 11 48 04.1–4.2 40.9N–.20 80.5E–.10 35 20 2-4
NNC VIII 26 11 47 57.2–3.6 40.94N 79.99E 0 3.5b,3.1 ¶625786605
SOME VIII 26 11 47 57.7 40.93N 80.03E 20 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.8km s-min=19.8km az=137.0.
ISC VIII 31 06 30 18.9–3.4 41.9N–.20 82.9E–.10 10 13 3-5
SOME VIII 31 06 30 14.3 42.03N 83.25E 5 ¶625786744
NNC VIII 31 06 30 16.6–3.3 42.01N 83.17E 0 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.1km s-min=17.1km az=157.0.
ISC VIII 31 03 51 34.2–2.5 41.8N–.10 83.43E–.09 15 39 3-6
SOME VIII 31 03 51 25.9 41.43N 83.58E 5 ¶625786741
NNC VIII 31 03 51 28.3–1.3 41.45N 83.53E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=6.9km az=170.0.
ISC IX 02 09 39 47.5–2.8 40.6N–.10 79.91E–.09 10 24 2-3
KRNET IX 02 09 39 43.9–.10 40.67N 80.29E 3.3b ¶622410267
SOME IX 02 09 39 47.3 40.83N 79.82E 5 3.3b
ISC Event type se.
ISC IX 03 15 48 33.1–.41 37.70N–.03 77.83E–.04 17 3.9b,3.5s 118 4-99
IDC IX 03 15 48 29.8–.71 37.68N 77.98E 0 3.8b,3.8 ¶621081571
NEIC IX 03 15 48 32.7–2.7 37.74N–.07 78.0E–.10 10–1 3.9b,3.8
BJI IX 03 15 48 34.8 37.86N 77.92E 19 4.5b,4.3L
NNC IX 03 15 48 35.9–1.6 38.03N 77.87E 0 4.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=10.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.2km az=117.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=11.9km s-min=9.6km az=144.0.
ISC IX 03 16 27 45.8–.47 37.76N–.03 78.10E–.06 10 3.8b,3.5s 68 4-92
IDC IX 03 16 27 43.5–.76 37.73N 78.01E 0 3.8b,3.8 ¶621081574
NNC IX 03 16 27 49.4–1.9 37.97N 78.02E 0 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=11.7km az=61.0.
NNC Event type se. Error ellipse: s-maj=15.4km s-min=12.1km az=134.0.
ISC IX 03 16 30 06.3–1.4 38.5N–.20 78.3E–.10 35 3.8b,3.4s 16 5-82
IDC IX 03 16 30 00.2–1.3 38.30N 78.23E 0 3.9,3.8b ¶621081575
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=17.6km az=50.0.
ISC IX 04 01 36 45.0–2.0 38.0N–.10 77.5E–.20 10 7 5-71
IDC IX 04 01 36 40.8–2.0 37.68N 77.91E 0 3.4b,3.4 ¶621081606
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=19.1km az=102.0.
ISC IX 03 15 38 50.0–3.7 41.2N–.10 83.7E–.10 10 29 3-6
SOME IX 03 15 38 55.4 41.20N 83.60E 15 ¶624939935
NNC IX 03 15 38 58.3–2.0 41.32N 83.46E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.4km s-min=13.0km az=21.0.
ISC IX 04 01 39 06.9–.42 37.70N–.04 77.93E–.05 17 4.1b,4.0s 147 4-82
IDC IX 04 01 39 00.5–.75 37.44N 78.36E 0 3.9b,3.9 ¶621081607
BJI IX 04 01 39 02.8 37.78N 77.97E 8 4.6L,4.5b
MOS IX 04 01 39 03.2–1.8 37.60N 78.16E 14 4.5b,4.5b
NEIC IX 04 01 39 06.7–2.5 37.72N–.08 77.9E–.10 10–1 4.5b,4.5b
NNC IX 04 01 39 09.2–1.4 38.07N 77.96E 0 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=13.6km az=78.0.
MOS Error ellipse: s-maj=11.3km s-min=5.3km az=101.4.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.2km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=11.7km s-min=8.6km az=145.0.
ISC IX 03 21 08 19.9–3.3 41.9N–.10 83.2E–.10 10 27 3-5
NNC IX 03 21 08 20.2–3.8 41.86N 83.18E 0 3.6b,3.2 ¶624939939
SOME IX 03 21 08 21.6 41.77N 83.02E 10 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.7km s-min=22.9km az=1.0.
ISC IX 04 01 40 31.8–1.1 37.7N–.10 78.1E–.20 17 4.0b 11 10-80
IDC IX 04 01 40 28.9–.98 37.62N 78.08E 0 4.0,3.9b ¶621081608
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=19.7km az=71.0.
ISC IX 04 01 42 25.8–4.5 37.4N–.40 78.4E–.50 10 3.9b 9 10-72
IDC IX 04 01 42 21.6–5.5 37.16N 78.78E 0 3.8L,3.8b ¶621081609
ISC Event type se.
IDC Error ellipse: s-maj=114.2km s-min=34.0km az=124.0.
ISC IX 04 01 43 41.2–1.0 37.63N–.10 78.2E–.10 10 3.9b 22 6-80
IDC IX 04 01 43 39.0–.87 37.48N 78.24E 0 4.0,3.9b ¶621081610
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=13.2km az=65.0.
ISC IX 04 01 54 09.6–.67 37.80N–.03 77.82E–.03 13–4 4.5b,4.2s 500 2-137
IDC IX 04 01 54 06.6–.53 37.73N 77.85E 0 4.2b,4.2 ¶621030577
MOS IX 04 01 54 08.0–1.0 37.79N 77.89E 15 4.8b,4.7s
NEIC IX 04 01 54 08.8–2.4 37.72N–.07 77.92E–.08 10–1 4.8b,4.7s
BJI IX 04 01 54 09.6 37.81N 77.90E 10 5.0L,5.0b
GFZ IX 04 01 54 10.2–.28 38N–3.0 78E–4.0 10 4.7,4.6b
NNC IX 04 01 54 11.1–2.6 37.91N 77.97E 14–11 4.9b,4.8
GCMT IX 04 01 54 11.3–.20 37.90N–.01 77.83E–.03 20–0 4.9W,4.8
BGR IX 04 01 54 28.1 38.50N 75.63E 33 4.8b,4.4s
ISC Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=9.5km az=50.0.
MOS Error ellipse: s-maj=6.5km s-min=3.7km az=117.7.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.0km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=16.8km s-min=9.6km az=149.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109040154A. Moment Tensor Solution. s38,c46; s96,c154; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.53±.12 $M_{\theta\theta}$-2.26±.08; $M_{\phi\phi}$-0.27±.07; $M_{r\theta}$-1.62±.13; $M_{\theta\phi}$0.64±.04; $M_{\phi r}$-0.03±.15; Best double couple: NP1:ϕ_s115.00000°,δ30.00000°,λ105.00000°. NP2:ϕ_s277.00000°,δ62.00000°,λ82.00000°. Principal axes: T 3.0410,Plg72.0000°,Azm167.0000°; N -0.1510,Plg7.0000°,Azm281.0000°; P -2.8970,Plg16.0000°,Azm14.0000° $M_0$2.96900×10^{16}
BGR Event type ke.
NNC IX 04 03 24 59.4–2.9 38.05N 78.21E 0 3.7b,3.3
¶624939942
NNC Event type se. Error ellipse: s-maj=22.5km s-min=19.5km az=75.0.
NNC IX 03 19 25 56.8–4.9 37.53N 78.46E 0 3.9b,3.5
¶624939936
NNC Event type se. Error ellipse: s-maj=41.4km s-min=33.5km az=67.0.
ISC IX 04 01 19 35.3–.71 37.80N–.06 78.1E–.10 10 3.6b 30 4-78
IDC IX 04 01 19 33.9–1.2 37.82N 77.88E 0 3.6b,3.6 ¶621081600
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=16.4km az=73.0.
NNC IX 04 04 14 27.7–3.5 37.91N 80.69E 0 3.7b,3.4
¶624939943
NNC Event type se. Error ellipse: s-maj=31.2km s-min=18.1km az=1.0.
ISC IX 04 01 21 14.0–.71 37.81N–.04 78.04E–.06 15–4 4.3b 97 4-83
IDC IX 04 01 21 11.3–.68 37.90N 78.16E 0 4.0b,4.0 ¶621081601
NEIC IX 04 01 21 12.7–2.3 37.92N–.08 78.11E–.09 10–1 4.3b,4.0
BJI IX 04 01 21 15.3 37.90N 77.86E 16 4.4L,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=11.8km az=58.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=11.8km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 04 01 23 09.4–3.5 37.9N–.30 78.4E–.40 35 4.1b 8 9-72
IDC IX 04 01 23 03.2–4.7 37.75N 78.43E 0 4.0b,4.0 ¶621081602
ISC Event type se.
IDC Error ellipse: s-maj=98.9km s-min=30.6km az=126.0.
ISC IX 04 01 23 44.1–.78 37.6N–.10 77.94E–.10 17 4.1b 32 6-82
IDC IX 04 01 23 41.6–.71 37.67N 77.90E 0 4.0b,4.0 ¶621081605
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=12.5km az=48.0.
NNC IX 03 20 15 09.0–2.1 38.08N 78.09E 0 4.0b,3.5
¶624939937
NNC Event type se. Error ellipse: s-maj=16.6km s-min=14.8km az=113.0.
NNC IX 04 04 47 52.9–1.7 37.95N 78.13E 0 3.8b,3.4
¶624939944
NNC Event type se. Error ellipse: s-maj=13.9km s-min=11.5km az=74.0.
ISC IX 04 01 28 03.7–.55 37.72N–.03 77.83E–.04 14–3 4.4b,3.8s 385 2-82
GFZ IX 04 01 28 00.3–.48 37N–4.0 78E–5.0 18–2 5.1,4.7b ¶621030576
IDC IX 04 01 28 01.4–.56 37.66N 77.81E 0 4.2b,4.2
NEIC IX 04 01 28 02.9–2.0 37.61N–.08 78.0E–.10 10–1 4.6b,4.2
MOS IX 04 01 28 02.3–1.1 37.60N 77.85E 18 4.6b,4.2
BJI IX 04 01 28 03.8 37.88N 77.84E 18 4.8b,4.7L
NNC IX 04 01 28 04.4–1.2 37.85N 78.00E 0 4.9b,4.8
BGR IX 04 01 28 15.0 37.83N 76.64E 33 4.8b,3.8s
ISC Event type ke.
GFZ Error ellipse: s-maj=10.3km s-min=8.1km az=109.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=13.0km s-min=10.1km az=47.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=12.3km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.3km s-min=4.0km az=113.1.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=7.2km az=136.0.
BGR Event type ke.
NNC IX 04 11 22 38.0–1.5 37.94N 78.12E 0 4.0b,3.8
¶624939964
NNC Event type se. Error ellipse: s-maj=12.6km s-min=10.8km az=75.0.
NNC IX 04 05 08 22.0–2.5 37.48N 77.79E 0 3.7b,3.5
¶624939946
NNC Event type se. Error ellipse: s-maj=20.6km s-min=17.4km az=21.0.
NNC IX 04 11 27 16.0–1.6 37.95N 78.12E 0 4.1b,3.8
¶624939965
NNC Event type se. Error ellipse: s-maj=13.3km s-min=10.6km az=56.0.
ISC IX 04 17 52 07.8–.41 37.73N–.03 77.84E–.03 12–2 4.5b,4.1s 478 2-95
IDC IX 04 17 52 05.5–.59 37.70N 77.78E 0 4.0b,4.0 ¶621035437
MOS IX 04 17 52 06.3–1.2 37.75N 77.84E 13 4.6b,4.5s
NEIC IX 04 17 52 06.1 37.72N 77.91E 6 4.6b,4.5s
NEIC IX 04 17 52 06.7–1.2 37.71N–.06 77.93E–.08 10–1 4.6b,4.6
BJI IX 04 17 52 07.4 37.81N 77.87E 10 4.9b,4.8L
NNC IX 04 17 52 09.0–1.8 37.89N 78.04E 9–6 5.1b,4.8
GFZ IX 04 17 52 09.3–.38 38N–3.0 78E–3.0 19–2 4.9,4.5b
GCMT IX 04 17 52 10.8–.30 37.85N–.02 77.92E–.04 22–1 4.8W,4.5b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.72 $M_{\theta\theta}$2.57 $M_{\phi\phi}$-6.29 $M_{r\theta}$5.94 $M_{\theta\phi}$-2.60 $M_{\phi r}$1.63 NP1:ϕ_s162.20000°,δ42.10000°,λ26.16000°. NP2:ϕ_s52.18000°,δ72.81000°,λ129.04000°. Principal axes: T 9.1271,Plg47.0000°,Azm3.0000°; N -1.0783,Plg37.0000°,Azm219.0000°; P -8.0488,Plg18.0000°,Azm114.0000° $M_0$8.64000×10^{15}
NNC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109041752A. Moment Tensor Solution. s20,c23; s74,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.83±.12 $M_{\theta\theta}$-1.52±.08; $M_{\phi\phi}$-0.30±.07; $M_{r\theta}$-0.63±.11; $M_{\theta\phi}$0.59±.04; $M_{\phi r}$0.27±.11; Best double couple: NP1:ϕ_s112.00000°,δ35.00000°,λ90.00000°. NP2:ϕ_s292.00000°,δ55.00000°,λ90.00000°. Principal axes: T 1.9550,Plg80.0000°,Azm204.0000°; N -0.0700,Plg0.0000°,Azm112.0000°; P -1.8840,Plg10.0000°,Azm22.0000° $M_0$1.91900×10^{16}
NNC IX 04 09 24 39.9–1.8 37.84N 77.85E 0 4.1b,3.7
¶624939958
NNC Event type se. Error ellipse: s-maj=13.2km s-min=11.8km az=88.0.
ISC IX 04 17 55 25.2–.42 37.79N–.03 77.92E–.06 10 4.3b 92 4-82
IDC IX 04 17 55 24.3–.87 37.73N 77.72E 0 4.0,3.9b ¶621081645
NEIC IX 04 17 55 25.6–1.7 37.77N–.08 77.92E–.06 10–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC IX 05 15 01 34.4–1.1 37.98N 78.00E 0 3.8b,3.4
¶624939992
NNC Event type se. Error ellipse: s-maj=14.6km s-min=7.4km az=84.0.
ISC IX 04 21 13 46.2–.89 37.66N–.05 78.14E–.09 17 3.2s 40 5-47
IDC IX 04 21 13 45.1–1.9 37.85N 78.20E 0 3.5,3.4b ¶621081654
NNC IX 04 21 13 46.5–1.3 37.87N 77.90E 0 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=15.2km az=56.0.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=9.3km az=96.0.
NNC IX 04 21 54 23.9–1.2 38.11N 78.18E 0 3.9b,3.6
¶624939973
NNC Event type se. Error ellipse: s-maj=9.7km s-min=8.2km az=112.0.
ISC IX 06 10 56 16.6–2.6 41.6N–.10 83.27E–.09 10 38 3-6
NNC IX 06 10 56 13.5–2.0 41.40N 83.35E 0 3.7b,3.3 ¶624940035
SOME IX 06 10 56 15.4 41.50N 83.30E 5 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=11.7km az=171.0.
ISC IX 05 16 53 23.0–3.1 40.9N–.10 83.20E–.10 10 15 3-6
SOME IX 05 16 53 21.5 40.80N 83.15E 5 ¶624939994
NNC IX 05 16 53 45.0–9.7 41.61N 81.24E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=78.3km s-min=60.0km az=163.0.
SOME IX 09 09 56 54.6 40.87N 83.80E 5
NNC IX 09 09 56 57.0–2.4 40.88N 83.71E 0 3.8b,3.4 ¶624940147
NNC Event type se. Error ellipse: s-maj=36.4km s-min=15.9km az=40.0.
ISC IX 08 13 37 15.3–2.6 40.1N–.10 82.32E–.09 10 38 4-7
SOME IX 08 13 37 15.2 40.07N 82.35E 5 ¶624940128
NNC IX 08 13 37 16.7–1.5 40.22N 82.51E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=9.9km az=37.0.
ISC IX 08 23 39 21.9–2.6 41.2N–.10 83.36E–.09 10 34 3-7
SOME IX 08 23 39 17.2 41.05N 83.62E 10 ¶624940133
NNC IX 08 23 39 20.8–1.5 41.18N 83.51E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.7km s-min=8.6km az=2.0.
ISC IX 09 01 08 35.2–.68 37.04N–.04 78.7E–.10 10 3.8b 31 3-88
IDC IX 09 01 08 33.1–1.8 37.05N 78.72E 0 4.0s,3.7b ¶621105815
NNC IX 09 01 08 37.4–3.3 37.23N 78.88E 8–13 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=20.7km az=76.0.
NNC Event type se. Error ellipse: s-maj=36.1km s-min=22.1km az=84.0.
ISC IX 09 21 30 15.3–3.3 41.4N–.10 83.4E–.10 10 33 3-6
SOME IX 09 21 30 10.2 41.40N 83.73E 20 ¶624940161
NNC IX 09 21 30 12.6–2.2 41.36N 83.51E 0–6 3.7b,3.3
ISC Event type se.

NNC Event type se. Error ellipse: s-maj=15.8km s-min=9.6km az=155.0.
ISC IX 12 18 17 19.6–2.6 41.1N–.10 83.47E–.09 10 41 3-10
SOME IX 12 18 17 16.6 41.08N 83.67E 5 ¶624940276
NNC IX 12 18 17 20.1–1.4 41.33N 83.65E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=7.4km az=159.0.
ISC IX 14 17 52 22.9–2.5 41.28N–.04 80.84E–.03 3–16 3.9b 132 1-81
IDC IX 14 17 52 22.0–.91 41.26N 80.80E 0 3.8b,3.7 ¶621073311
SOME IX 14 17 52 23.8 41.43N 80.70E 10 3.8b,3.7
KRNET IX 14 17 52 24.5–.10 41.43N 80.67E 4.3b,3.7
NEIC IX 14 17 52 24.3–1.9 41.28N–.06 80.93E–.07 10–1 4.2b,3.7
NNC IX 14 17 52 25.7–1.3 41.41N 80.60E 0 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=9.4km az=172.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.1km az=24.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=7.2km az=156.0.
ISC IX 13 07 56 53.9–2.5 41.4N–.10 83.08E–.08 10 31 3-10
SOME IX 13 07 56 50.7 40.87N 82.80E 20 ¶624940283
NNC IX 13 07 56 53.0–2.7 41.57N 83.47E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.9km s-min=14.5km az=159.0.
ISC IX 18 20 02 59.0–2.5 41.4N–.10 83.62E–.08 10 46 3-11
SOME IX 18 20 02 56.1 41.62N 83.95E 5 ¶624940500
NNC IX 18 20 02 57.7–1.6 41.46N 83.76E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.1km s-min=7.6km az=148.0.
ISC IX 15 10 27 49.5–3.4 40.9N–.10 79.87E–.08 10 22 2-4
SOME IX 15 10 27 48.6 40.83N 79.97E 10 ¶624940358
NNC IX 15 10 27 49.6–.69 40.85N 79.83E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.7km s-min=4.4km az=116.0.
NNC IX 18 01 33 36.1–2.8 38.02N 78.23E 0 3.5b,3.3
¶624940453
NNC Event type se. Error ellipse: s-maj=19.0km s-min=10.0km az=175.0.
NNC IX 19 16 06 24.6–6.0 40.82N 83.07E 0 3.3b,3.0
SOME IX 19 16 06 35.4 45.00N 82.87E 15 3.3b,3.0 ¶624940536
NNC Event type se. Error ellipse: s-maj=45.2km s-min=26.1km az=146.0.
ISC IX 21 04 45 13.2–1.9 40.78N–.08 78.24E–.06 10 51 1-4
SOME IX 21 04 45 12.2 40.77N 78.28E 15 ¶622410781
NNC IX 21 04 45 12.7–1.6 40.78N 78.22E 0 3.5b,3.2
KRNET IX 21 04 45 13.6–.10 40.85N 78.16E 20 3.2b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=7.4km az=161.0.
ISC IX 22 07 45 24.8–2.7 40.7N–.10 79.93E–.09 10 34 2-4
KRNET IX 22 07 45 21.8–.10 40.71N 80.04E 3.2b ¶622410822
SOME IX 22 07 45 25.4 40.85N 79.90E 10 3.2b
NNC IX 22 07 45 26.2–1.5 40.82N 79.80E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.9km s-min=9.3km az=122.0.
NNC IX 21 14 32 00.6–4.9 38.29N 78.10E 0 3.9b,3.6
¶624940608
NNC Event type se. Error ellipse: s-maj=44.0km s-min=29.5km az=156.0.
ISC IX 24 17 17 34.1–2.5 41.4N–.10 83.52E–.08 10 37 4-6
SOME IX 24 17 17 31.7 41.20N 83.47E 15 ¶624940736
NNC IX 24 17 17 33.5–1.9 41.38N 83.58E 16–5 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.6km s-min=9.1km az=159.0.
SOME IX 23 07 55 30.9 40.38N 78.70E 10
NNC IX 23 07 55 32.5–1.1 40.43N 78.75E 0 3.5b,3.0 ¶624940667
NNC Event type se. Error ellipse: s-maj=10.0km s-min=7.6km az=91.0.
ISC IX 25 02 31 46.6–3.3 40.6N–.10 79.79E–.07 12–23 55 2-10
SOME IX 25 02 31 45.8 40.68N 79.88E 25 ¶622410896
NNC IX 25 02 31 48.9–1.2 40.88N 79.67E 0 3.8b,3.4
KRNET IX 25 02 31 48.4–.10 40.74N 79.49E 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.3km s-min=6.9km az=165.0.
ISC IX 28 17 37 34.0–1.5 39.24N–.07 75.68E–.04 10 59 2-9
KRNET IX 28 17 37 32.9–.10 39.05N 75.83E 3.6b ¶622410996
SOME IX 28 17 37 32.8 39.18N 75.68E 5 3.6b
NNC IX 28 17 37 35.5–1.1 39.24N 75.78E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=5.9km az=149.0.
ISC IX 27 10 17 08.5–4.2 41.8N–.20 82.7E–.20 13 11 3-5
SOME IX 27 10 17 05.2 42.02N 82.40E 15 ¶624940841
NNC IX 27 10 17 11.2–3.7 42.16N 82.28E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.8km s-min=13.5km az=152.0.
NNC IX 27 07 01 30.6–1.8 38.00N 77.99E 13–9 4.2b,3.9
¶624940824
NNC Event type se. Error ellipse: s-maj=18.1km s-min=12.1km az=92.0.
KRNET IX 25 13 36 04.9–.10 40.79N 78.43E 19 2.4b
¶622410916
ISC IX 29 15 56 11.6–2.7 41.3N–.10 83.45E–.09 10 26 4-6
SOME IX 29 15 56 09.9 41.28N 83.57E 15 ¶624940945
NNC IX 29 15 56 12.7–2.6 41.43N 83.48E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=12.1km az=150.0.
ISC IX 28 12 31 11.3–1.3 39.50N–.06 75.14E–.03 10 74 1-15
KRNET IX 28 12 31 11.1–.10 39.51N 75.11E 16 3.6b ¶622410989
SOME IX 28 12 31 12.6 39.53N 74.87E 20 3.6b
NNC IX 28 12 31 13.8–2.9 39.46N 75.07E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.0km s-min=13.1km az=166.0.
ISC IX 29 18 41 24.9–3.1 41.7N–.20 80.96E–.10 10 12 2-5
NNC IX 29 18 41 23.0–4.1 41.64N 81.20E 0 3.0b,2.6 ¶624940946
SOME IX 29 18 41 24.5 41.93N 81.07E 5 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.1km s-min=23.5km az=25.0.
ISC IX 30 22 57 33.3–1.5 41.09N–.07 83.58E–.06 10 42 4-56
SOME IX 30 22 57 31.5 40.93N 83.53E 5 ¶621147797
IDC IX 30 22 57 32.1–1.5 41.31N 83.61E 0 3.5b,3.4
NNC IX 30 22 57 34.1–2.5 41.03N 83.46E 0 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=13.2km az=74.0.
NNC Event type se. Error ellipse: s-maj=16.7km s-min=14.5km az=148.0.
ISC X 01 10 50 21.1–3.0 40.8N–.10 80.05E–.08 10–13 26 2-6
KRNET X 01 10 50 20.3–.10 40.65N 80.07E 3.2b ¶622411065
SOME X 01 10 50 22.5 41.17N 80.53E 5 3.2b
NNC X 01 10 50 24.3–1.6 41.14N 80.47E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.8km s-min=9.8km az=20.0.
ISC X 01 04 23 43.3–3.0 40.9N–.10 82.54E–.09 10 21 3-6
SOME X 01 04 23 41.2 40.45N 82.45E 20 ¶624925633
NNC X 01 04 23 43.9–3.3 40.88N 82.63E 25–18 3.9b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.3km s-min=20.9km az=6.0.
ISC X 03 05 22 20.4–1.2 39.92N–.05 75.33E–.03 10 68 1-5
KRNET X 03 05 22 19.0–.10 39.84N 75.39E 14 3.5b ¶622411106
SOME X 03 05 22 18.3 39.77N 75.37E 15 3.5b
NNC X 03 05 22 20.2–1.8 39.90N 75.36E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.5km s-min=7.8km az=160.0.
ISC X 13 09 08 39.7–3.7 40.3N–.20 79.9E–.10 35 30 2-7
KRNET X 13 09 08 35.2–.10 40.54N 79.98E 3.2b ¶622411354
SOME X 13 09 08 40.2 40.78N 79.20E 5 3.2b
NNC X 13 09 08 42.9–3.2 40.83N 79.26E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.0km s-min=21.3km az=28.0.
ISC X 12 10 48 37.2–1.3 41.26N–.07 83.53E–.04 10 47 4-11
SOME X 12 10 48 36.8 41.25N 83.53E 5 ¶624926004
NNC X 12 10 48 38.6–1.4 41.13N 83.37E 0 4.3b,4.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=7.1km az=165.0.
ISC X 03 00 54 45.2–1.9 39.2N–.10 74.64E–.05 10 29 3-37
IDC X 03 00 54 14.8–9.4 36.18N 75.95E 0 3.8b,3.7 ¶624925698
SOME X 03 00 54 43.0 39.08N 74.70E 20 3.8b,3.7
NNC X 03 00 54 44.8–4.0 39.22N 74.54E 0 3.6b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=147.5km s-min=47.3km az=149.0.
NNC Event type se. Error ellipse: s-maj=29.6km s-min=15.1km az=164.0.
ISC X 04 19 41 01.5–1.2 38.10N–.07 78.37E–.07 10 3.1b 47 5-40
SOME X 04 19 40 57.2 38.00N 78.30E 5 3.1b ¶621203135
IDC X 04 19 40 59.4–1.6 38.00N 78.48E 0 3.5,3.4b
NNC X 04 19 41 00.1–2.4 38.00N 78.28E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=15.8km az=54.0.
NNC Event type se. Error ellipse: s-maj=20.3km s-min=15.5km az=130.0.
ISC X 11 21 40 55.7–4.4 40.8N–.20 83.5E–.10 10 12 4-6
NNC X 11 21 40 53.0–7.9 40.87N 83.72E 0 3.4b,3.0 ¶624925984
SOME X 11 21 41 07.5 41.20N 83.10E 10 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=54.7km s-min=30.0km az=137.0.
ISC X 09 17 56 02.1–.93 41.91N–.06 82.38E–.04 13 3.8b 60 3-81
IDC X 09 17 55 59.6–1.1 41.89N 82.14E 0 3.7b,3.7 ¶621235339
SOME X 09 17 56 00.8 41.60N 82.23E 20 3.7b,3.7
NNC X 09 17 56 03.9–2.3 41.97N 82.18E 0 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=10.5km az=75.0.
NNC Event type se. Error ellipse: s-maj=18.3km s-min=9.8km az=152.0.
ISC X 11 19 41 29.4–2.4 40.84N–.09 78.55E–.05 5–13 55 1-7
SOME X 11 19 41 28.5 40.63N 78.83E 35 ¶622411311
KRNET X 11 19 41 29.9–.10 40.87N 78.63E 15 3.6b
NNC X 11 19 41 30.4–1.0 40.87N 78.68E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=164.0.
ISC X 17 09 57 09.2–4.5 40.8N–.20 82.8E–.20 10 12 4-6
SOME X 17 09 57 05.3 41.65N 82.85E 5 ¶624926180
NNC X 17 09 57 06.7–3.9 40.83N 82.87E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.3km s-min=17.9km az=144.0.
ISC X 13 06 02 41.9–.35 41.93N–.04 83.53E–.03 15 4.6b,3.3s 233 3-88
SOME X 13 06 02 35.6 41.63N 83.50E 15 4.6b,3.3s ¶621146562
NEIC X 13 06 02 40.9–2.3 41.91N–.07 83.67E–.10 10–1 4.4b,3.3s
IDC X 13 06 02 40.2–.56 41.99N 83.59E 0 4.3b,4.2
NNC X 13 06 02 41.7–1.6 41.92N 83.31E 0 4.8b,4.5
BJI X 13 06 02 42.2 41.92N 83.38E 17 4.5L,4.5b
GFZ X 13 06 02 44.1–.28 42N–4.0 84E–4.0 10 5.2b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 16 20 51 15.8–2.6 41.9N–.10 82.15E–.08 14 27 2-5
SOME X 16 20 51 12.6 41.95N 82.48E 10 ¶624926159
NNC X 16 20 51 16.2–2.0 41.92N 82.23E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.2km s-min=11.4km az=178.0.
ISC X 16 21 42 09.4–.66 41.27N–.06 83.84E–.04 10 3.2b,2.9s 61 4-80
IDC X 16 21 42 06.7–1.0 41.24N 83.62E 0 3.5,3.4b ¶621242147
SOME X 16 21 42 12.4 41.18N 83.60E 5 3.5,3.4b
NNC X 16 21 42 16.1–2.1 41.46N 83.54E 21–9 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=10.8km az=62.0.
NNC Event type se. Error ellipse: s-maj=13.7km s-min=11.4km az=108.0.
ISC X 14 09 49 59.6–.53 39.84N–.06 92.52E–.05 10 3.7b,3.1s 39 4-82
IDC X 14 09 49 57.8–.70 39.75N 92.72E 0 3.9L,3.9 ¶621240628
NNC X 14 09 50 04.7–2.1 40.06N 91.95E 0 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=11.5km az=37.0.
NNC Event type se. Error ellipse: s-maj=32.0km s-min=17.9km az=31.0.
ISC X 21 06 14 15.1–2.7 39.1N–.10 75.73E–.09 10 24 4-6
SOME X 21 06 14 12.8 38.95N 75.70E 5 ¶624926300
NNC X 21 06 14 17.8–2.0 39.14N 75.65E 23–8 4.2b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.9km s-min=12.7km az=134.0.
ISC X 18 06 22 24.4–3.2 40.8N–.20 83.19E–.10 10 14 4-10
SOME X 18 06 22 16.3 42.27N 84.38E 20 ¶624926205
NNC X 18 06 22 24.8–2.0 40.83N 83.16E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.0km s-min=12.0km az=122.0.
SOME X 27 07 39 10.2 41.65N 82.75E 15
NNC X 27 07 39 12.8–3.5 42.40N 83.41E 0 3.6b,3.4 ¶624926508
NNC Event type se. Error ellipse: s-maj=24.9km s-min=12.3km az=138.0.
ISC X 22 02 41 48.1–3.3 40.6N–.10 78.86E–.07 13–16 38 1-4
SOME X 22 02 41 36.7 40.27N 79.20E 10 ¶622411599
NNC X 22 02 41 38.7–1.6 40.30N 79.09E 0 3.5b,2.9
KRNET X 22 02 41 48.9–.10 40.69N 78.83E 3.0b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=10.1km az=100.0.
ISC X 25 10 37 05.4–2.1 40.73N–.09 79.33E–.06 10 49 2-6
SOME X 25 10 37 03.5 40.73N 79.35E 10 ¶622411673
KRNET X 25 10 37 04.2–.10 40.55N 79.23E 3.6b
NNC X 25 10 37 06.3–1.6 40.83N 79.30E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=9.9km az=1.0.
ISC X 26 18 12 58.2–3.3 41.7N–.20 82.06E–.08 18 19 3-6
NNC X 26 18 12 58.1–2.1 41.92N 81.79E 0 3.1b,2.6 ¶624926496
SOME X 26 18 13 00.2 42.18N 82.10E 15 3.1b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.8km s-min=8.9km az=167.0.
ISC X 26 18 17 32.5–2.8 41.5N–.10 83.44E–.08 10 44 3-6
SOME X 26 18 17 28.1 41.27N 83.57E 15 ¶624926497
NNC X 26 18 17 30.4–2.5 41.36N 83.53E 13–7 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.3km s-min=11.0km az=154.0.
ISC X 23 07 11 24.9–1.9 39.52N–.08 75.63E–.05 8–13 41 2-5
SOME X 23 07 11 27.5 39.73N 74.88E 20 ¶622411630
NNC X 23 07 11 27.3–3.3 39.70N 75.06E 0 3.5b,3.2
KRNET X 23 07 11 32.5–.10 39.82N 75.42E 20 2.8b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.9km s-min=18.9km az=175.0.
ISC X 27 14 36 24.2–1.6 40.94N–.07 78.32E–.05 10 59 1-4
KRNET X 27 14 36 21.6–.10 40.87N 78.39E 3.2b ¶622411717
SOME X 27 14 36 21.6 40.92N 78.35E 5 3.2b
NNC X 27 14 36 22.4–1.1 40.89N 78.39E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=5.9km az=167.0.
ISC X 29 15 06 59.0–1.8 39.62N–.08 76.95E–.04 10 75 2-6
KRNET X 29 15 06 57.1–.10 39.56N 76.95E 3.4b ¶622411760
SOME X 29 15 06 57.0 39.65N 76.92E 15 3.4b
NNC X 29 15 06 58.3–1.3 39.70N 77.01E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.3km s-min=5.9km az=158.0.
ISC X 30 06 14 03.6–3.4 40.9N–.10 84.17E–.09 10 24 4-11
SOME X 30 06 13 56.7 40.75N 84.52E 10 ¶624926635
NNC X 30 06 14 00.6–2.2 40.65N 84.25E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.6km s-min=10.8km az=163.0.
ISC X 30 16 38 30.2–1.4 41.00N–.06 78.32E–.04 10 93 1-10

KRNET X 30 16 38 27.4–.10 40.88N 78.37E 17 3.7b ¶622411790
SOME X 30 16 38 27.4 40.78N 78.43E 30 3.7b
NNC X 30 16 38 29.9–1.0 40.99N 78.28E 0 4.0b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=160.0.
ISC X 31 02 52 31.6–2.6 41.7N–.10 83.82E–.09 10 30 4-10
SOME X 31 02 52 26.2 41.47N 83.95E 0 ¶624926660
NNC X 31 02 52 31.4–2.1 41.64N 83.88E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.8km s-min=10.2km az=164.0.
ISC X 30 20 56 50.9–1.4 40.99N–.06 78.31E–.04 10 83 1-10
KRNET X 30 20 56 48.3–.10 40.92N 78.45E 17 3.4b ¶622411800
SOME X 30 20 56 49.0 40.93N 78.28E 5 3.4b
NNC X 30 20 56 50.8–1.4 40.92N 78.28E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=6.6km az=162.0.
ISC X 30 19 08 48.5–1.4 40.96N–.06 78.40E–.05 10 85 1-10
KRNET X 30 19 08 46.5–.10 40.90N 78.41E 17 3.3b ¶621244596
SOME X 30 19 08 46.2 40.90N 78.38E 15 3.3b
NNC X 30 19 08 48.1–1.1 40.97N 78.32E 3–6 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=152.0.
ISC XI 01 20 09 08.2–1.3 39.89N–.06 75.46E–.03 10 71 1-5
NNC XI 01 20 08 59.2–2.0 39.58N 75.52E 0 3.8b,3.4 ¶622411850
SOME XI 01 20 09 01.1 39.57N 75.57E 15 3.8b,3.4
KRNET XI 01 20 09 07.8–.10 39.86N 75.41E 13 3.4b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=9.3km az=158.0.
ISC XI 02 21 44 36.0–3.2 41.9N–.10 83.5E–.10 10 40 3-7
SOME XI 02 21 44 34.8 41.92N 83.62E 15 ¶624926766
NNC XI 02 21 44 38.7–2.8 40.83N 82.80E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.8km s-min=13.1km az=147.0.
ISC XI 01 18 31 29.5–2.8 39.4N–.10 75.39E–.07 2–15 27 2-5
SOME XI 01 18 31 22.2 39.25N 75.08E 5 ¶622411846
NNC XI 01 18 31 24.4–1.9 39.30N 75.03E 0 3.5b,3.1
KRNET XI 01 18 31 28.4–.10 39.28N 75.49E 3.0b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=12.3km az=98.0.
ISC XI 03 15 42 25.7–2.3 39.67N–.09 76.94E–.05 17–15 41 2-6
KRNET XI 03 15 42 25.5–.10 39.53N 76.94E 3.4b ¶622411886
SOME XI 03 15 42 29.2 39.75N 76.90E 5 3.4b
NNC XI 03 15 42 31.3–1.1 39.80N 76.94E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=4.4km az=169.0.
SOME XI 02 23 37 43.3 41.45N 82.72E 10
NNC XI 02 23 37 42.9–2.6 41.93N 83.05E 0 3.6b,3.2 ¶624926767
NNC Event type se. Error ellipse: s-maj=19.9km s-min=12.7km az=156.0.
ISC XI 06 04 03 07.8–3.6 39.4N–.20 75.75E–.09 10 24 3-5
SOME XI 06 04 03 01.1 39.10N 75.73E 20 ¶624926875
NNC XI 06 04 03 04.3–1.6 39.26N 75.81E 0–8 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=9.7km az=163.0.
ISC XI 04 18 48 31.5–2.6 41.5N–.10 83.29E–.10 10 30 3-7
SOME XI 04 18 48 24.6 41.27N 83.55E 10 ¶624926835
NNC XI 04 18 48 29.6–1.5 41.49N 83.44E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=7.0km az=154.0.
ISC XI 04 19 25 04.1–2.7 41.2N–.10 83.27E–.10 10 25 4-6
SOME XI 04 19 24 59.7 40.82N 83.08E 10 ¶624926836
NNC XI 04 19 25 06.7–3.4 41.44N 83.25E 0–16 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.9km s-min=20.7km az=99.0.
ISC XI 04 23 25 44.1–4.2 41.5N–.20 83.6E–.20 10 15 4-5
NNC XI 04 23 25 42.8–5.8 41.55N 83.65E 0 3.1b,2.7 ¶624926839
SOME XI 04 23 25 42.4 41.87N 83.05E 10 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.8km s-min=25.6km az=148.0.
SOME XI 07 10 20 55.6 41.17N 83.37E 30
NNC XI 07 10 21 28.1–2.1 42.24N 82.30E 0 2.9b,2.4 ¶624926935
NNC Event type se. Error ellipse: s-maj=15.1km s-min=8.4km az=144.0.
ISC XI 05 18 51 32.2–.87 38.5N–.10 89.6E–.10 35 3.5b 16 10-75
IDC XI 05 18 51 27.3–.90 38.32N 89.38E 0 3.6b,3.6 ¶621413988
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=12.6km az=57.0.
ISC XI 09 20 38 26.4–2.7 41.8N–.10 83.9E–.10 10 41 3-6
SOME XI 09 20 38 21.7 41.65N 84.00E 5 ¶624927003
NNC XI 09 20 38 25.2–2.0 41.77N 83.90E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.3km s-min=13.0km az=16.0.
ISC XI 07 19 10 12.4–2.5 41.1N–.10 83.10E–.08 10 42 3-10
SOME XI 07 19 10 08.5 40.93N 83.25E 15 ¶624926948
NNC XI 07 19 10 13.5–1.9 41.34N 83.27E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.0km s-min=8.7km az=153.0.
ISC XI 14 00 51 08.2–2.9 41.9N–.10 83.71E–.08 15 42 3-10
SOME XI 14 00 51 13.1 42.00N 83.55E 10 ¶624927155
NNC XI 14 00 51 15.9–1.3 42.00N 83.48E 0 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.4km s-min=6.2km az=159.0.
ISC XI 13 08 43 58.5–2.8 41.7N–.10 81.77E–.08 3–14 45 2-5
SOME XI 13 08 43 59.9 41.95N 81.93E 5 ¶624927139
NNC XI 13 08 44 00.4–1.4 41.90N 81.93E 0 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=6.1km az=159.0.
ISC XI 11 13 06 44.1–.39 37.55N–.03 77.62E–.05 10 4.2b,3.4s 139 2-71
MOS XI 11 13 06 41.9–2.0 37.48N 77.66E 10 4.4b,3.4s ¶621395286
IDC XI 11 13 06 42.9–.97 37.60N 77.63E 0 3.9b,3.9
NEIC XI 11 13 06 44.1–1.9 37.51N–.03 77.54E–.09 10–1 4.5b,3.9
BJI XI 11 13 06 45.7 37.59N 77.57E 26 4.3b,4.2L
NNC XI 11 13 06 48.5–1.6 37.86N 77.54E 16–6 4.4b,4.2
ISC Event type se.
MOS Error ellipse: s-maj=9.1km s-min=4.8km az=104.7.
IDC Error ellipse: s-maj=16.8km s-min=12.8km az=91.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=4.5km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=10.4km s-min=8.7km az=166.0.
ISC XI 12 13 21 20.2–1.9 41.88N–.07 80.50E–.07 10 81 2-9
KRNET XI 12 13 21 14.7–.10 41.82N 80.73E 4.0b ¶622412161
SOME XI 12 13 21 18.3 41.83N 80.38E 15 4.0b
NNC XI 12 13 21 19.3–1.3 41.89N 80.37E 0 4.2b,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.4km s-min=7.2km az=144.0.
ISC XI 12 09 39 52.7–1.1 39.85N–.05 74.59E–.03 10 75 1-5
KRNET XI 12 09 39 52.3–.10 39.85N 74.56E 18 3.4b ¶621399806
SOME XI 12 09 40 00.3 40.25N 74.58E 5 3.4b
NNC XI 12 09 40 01.3–1.1 40.27N 74.56E 16–6 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.1km s-min=4.4km az=172.0.
ISC XI 20 08 52 26.6–2.8 41.4N–.10 83.76E–.09 10 29 4-6
SOME XI 20 08 52 24.6 41.35N 83.85E 5 ¶624927383
NNC XI 20 08 52 28.1–3.1 41.39N 83.70E 20–20 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.6km s-min=16.7km az=156.0.
ISC XI 15 23 15 08.6–.39 39.49N–.05 93.50E–.04 10 4.1b,3.4s 103 3-83
IDC XI 15 23 15 07.0–.67 39.43N 93.58E 0 4.5L,4.1 ¶621409290
BJI XI 15 23 15 07.9 39.47N 93.74E 5 4.4L,4.3b
NEIC XI 15 23 15 09.2–1.3 39.53N–.09 93.5E–.10 10–1 4.1b,4.3b
NNC XI 15 23 15 12.0–2.7 39.73N 93.41E 20–22 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=10.6km az=41.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=12.1km az=29.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=15.1km az=23.0.
ISC XI 17 07 16 35.6–3.5 40.7N–.10 80.00E–.09 1–26 36 2-4
KRNET XI 17 07 16 37.5–.10 40.73N 79.93E 2.9b ¶622412319
NNC XI 17 07 16 38.7–1.4 40.99N 80.05E 0 3.7b,3.2
SOME XI 17 07 16 38.1 40.93N 79.85E 5 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.7km s-min=9.1km az=71.0.
ISC XI 19 11 53 57.9–4.2 41.8N–.20 82.6E–.10 13 11 3-5
SOME XI 19 11 53 55.0 42.15N 82.38E 15 ¶624927359
NNC XI 19 11 54 00.6–3.1 42.21N 82.15E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.3km s-min=13.0km az=159.0.
SOME XI 22 00 22 19.7 41.55N 83.47E 10
NNC XI 22 00 22 20.8–3.0 41.59N 83.39E 0 3.5b,3.2 ¶624927423
NNC Event type se. Error ellipse: s-maj=41.2km s-min=19.7km az=30.0.
ISC XI 21 05 52 16.8–1.3 39.78N–.03 75.67E–.03 12–8 3.7b 203 1-86
IDC XI 21 05 52 14.7–.88 39.70N 75.46E 0 3.7,3.6b ¶621427858
MOS XI 21 05 52 17.2–1.0 39.73N 75.49E 17 4.3b,3.6b
KRNET XI 21 05 52 19.8–.10 39.86N 75.37E 14 4.4b,3.6b
NEIC XI 21 05 52 19.8–1.0 39.84N–.08 75.50E–.08 10–2 4.0b,3.6b
SOME XI 21 05 52 19.4 39.88N 75.42E 5 4.0b,3.6b
NNC XI 21 05 52 21.5–.81 39.95N 75.40E 0 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=14.3km az=105.0.
MOS Error ellipse: s-maj=7.8km s-min=4.2km az=93.6.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.3km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=3.9km az=164.0.
KRNET XI 25 12 22 58.4–.10 41.42N 80.06E 35 2.7b
¶622412603
ISC XI 22 06 43 24.2–2.1 41.04N–.09 82.08E–.05 10 47 3-9
SOME XI 22 06 43 20.2 40.82N 82.12E 5 ¶624927427
NNC XI 22 06 43 23.9–1.4 41.03N 82.15E 2–7 4.2b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=8.7km az=154.0.
ISC XI 22 18 23 28.0–1.8 40.73N–.08 78.08E–.04 10 62 1-6
KRNET XI 22 18 23 26.7–.10 40.63N 77.99E 20 3.3b ¶622412514
NNC XI 22 18 23 29.5–1.5 40.76N 78.06E 0 3.6b,3.2
SOME XI 22 18 23 29.2 40.68N 78.03E 20 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=6.1km az=162.0.
ISC XI 23 01 09 41.3–5.6 41.4N–.30 83.1E–.10 10 7 3-5
NNC XI 23 01 09 42.0–5.7 41.57N 83.14E 0 3.2b,2.9 ¶624927464
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.5km s-min=15.6km az=152.0.
ISC XI 26 03 50 18.0–1.2 39.74N–.06 74.84E–.03 10 93 1-6
SOME XI 26 03 50 13.0 39.68N 74.58E 10 ¶621469753
KRNET XI 26 03 50 15.6–.10 39.64N 74.91E 16 3.6b
NNC XI 26 03 50 16.7–1.6 39.77N 74.81E 0 3.9b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=6.2km az=175.0.
ISC XI 26 04 14 04.6–3.4 41.2N–.10 83.5E–.10 10 32 4-7
SOME XI 26 04 13 58.4 40.67N 83.40E 5 ¶624927570
NNC XI 26 04 14 01.3–1.8 41.07N 83.67E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.5km s-min=11.4km az=2.0.
ISC XI 26 09 41 07.3–3.3 40.6N–.10 79.77E–.08 10 28 3-4
SOME XI 26 09 41 08.7 40.62N 79.78E 20 ¶624927588
NNC XI 26 09 41 09.5–2.2 40.71N 79.71E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.2km s-min=12.6km az=148.0.
ISC XI 26 05 09 59.5–3.1 41.56N–.08 80.17E–.07 9–22 77 2-9
KRNET XI 26 05 09 58.2–.10 41.60N 80.18E 30 3.5b ¶622412629
SOME XI 26 05 09 59.1 41.68N 80.15E 15 3.5b
NNC XI 26 05 09 59.7–.94 41.65N 80.07E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.2km s-min=4.8km az=150.0.
ISC XI 28 18 58 15.1–1.9 39.86N–.09 75.98E–.05 10 33 1-5
NNC XI 28 18 58 09.7–3.2 39.59N 76.18E 0 3.5b,3.1 ¶622412701
KRNET XI 28 18 58 14.7–.10 39.79N 75.97E 18 3.1b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.3km s-min=15.7km az=167.0.
ISC XI 27 12 38 33.9–1.2 41.9N–.10 85.8E–.10 23 10 5-76
IDC XI 27 12 38 29.5–1.7 41.67N 85.24E 0 3.6b,3.5 ¶621625125
NNC XI 27 12 38 34.0–1.4 42.19N 85.58E 0 3.5b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=81.8km s-min=13.7km az=66.0.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=6.7km az=141.0.
ISC XI 27 06 32 11.6–3.0 41.0N–.10 83.29E–.09 10 21 4-7
SOME XI 27 06 32 11.9 41.08N 83.42E 5 ¶624927633
NNC XI 27 06 32 12.3–2.8 40.89N 83.35E 0 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.9km s-min=13.9km az=167.0.
SOME XI 27 07 47 13.6 40.78N 79.93E 30
NNC XI 27 07 47 13.9–4.7 40.92N 79.86E 0 3.8b,3.5 ¶624927639
NNC Event type se. Error ellipse: s-maj=45.1km s-min=31.0km az=77.0.
ISC XI 28 01 37 01.9–1.8 39.61N–.07 74.53E–.05 14–11 29 1-5
KRNET XI 28 01 37 05.6–.10 39.63N 74.62E 23 3.3b ¶622412680
NNC XI 28 01 37 10.1–2.9 39.81N 74.62E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=12.6km az=167.0.
ISC XI 29 06 38 23.8–3.4 41.7N–.10 83.4E–.10 10 24 3-5
NNC XI 29 06 38 20.4–2.4 41.49N 83.42E 6–8 3.6b,3.3 ¶624927688
SOME XI 29 06 38 21.9 41.62N 83.50E 10 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.0km s-min=14.0km az=11.0.
ISC XI 29 06 45 58.5–.49 41.11N–.04 83.30E–.03 10 4.1b,3.9s 129 4-93
NEIC XI 29 06 45 57.8–1.2 41.16N–.08 83.3E–.10 10–1 4.2b,3.9s ¶621626957
IDC XI 29 06 45 59.3–.76 41.16N 83.29E 0 4.0b,3.9
BJI XI 29 06 46 01.3 41.15N 83.44E 18 4.5L,4.2b
SOME XI 29 06 46 02.9 41.13N 83.27E 5 6.1s,4.2b
NNC XI 29 06 46 05.8–1.3 41.26N 83.19E 26–6 4.6b,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.9km az=226.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.3km s-min=9.3km az=61.0.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=6.3km az=139.0.
ISC XI 29 16 37 06.3–3.0 41.4N–.10 83.30E–.08 10 32 3-6
SOME XI 29 16 37 05.6 41.38N 83.38E 5 ¶624927705
NNC XI 29 16 37 09.1–2.2 41.43N 83.20E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.1km s-min=12.7km az=1.0.
SOME XII 01 11 37 08.4 41.80N 82.07E 10
NNC XII 01 11 37 09.6–1.6 42.02N 82.15E 0 3.7b,3.4 ¶624927783
NNC Event type se. Error ellipse: s-maj=16.6km s-min=10.1km az=31.0.
ISC XI 30 02 08 32.8–2.7 41.9N–.10 81.15E–.08 11–13 38 2-5
NNC XI 30 02 08 35.6–1.1 42.10N 81.31E 0 3.5b,3.4 ¶624927716
SOME XI 30 02 08 35.1 42.05N 81.40E 20 3.5b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.3km s-min=5.9km az=164.0.
ISC XI 30 08 26 16.5–3.3 42.0N–.10 82.0E–.10 1–15 31 2-5
NNC XI 30 08 26 18.9–1.8 42.14N 82.05E 0 3.6b,3.1 ¶624927735
SOME XI 30 08 26 18.3 42.05N 82.05E 10 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.7km s-min=9.0km az=163.0.

ISC XI 30 10 51 24.5–3.5 41.9N–.10 82.1E–.10 31–18 21 2-5
SOME XI 30 10 51 22.3 41.87N 81.95E 5 **¶624927749**
NNC XI 30 10 51 23.6–2.3 42.03N 82.11E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.8km s-min=10.4km az=162.0.
ISC XII 03 02 38 27.5–.51 41.67N–.04 82.44E–.03 10 4.0b 116 2-147
SOME XII 03 02 38 24.7 41.58N 82.53E 10 4.0b **¶621630555**
NNC XII 03 02 38 27.5–1.1 41.67N 82.45E 0 4.5b,4.1
IDC XII 03 02 38 27.1–.76 41.68N 82.34E 0 3.8b,3.7
NEIC XII 03 02 38 28.5–1.6 41.71N–.07 82.5E–.10 10–1 4.3b,3.7
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 01 10 09 07.9–2.2 39.95N–.07 75.68E–.04 7–17 56 2-5
KRNET XII 01 10 09 06.8–.10 40.08N 75.74E 3.7b **¶622412757**
SOME XII 01 10 09 07.5 40.05N 76.00E 10 3.7b
ISC Event type se.
ISC XII 01 12 14 06.6–2.8 41.3N–.10 83.35E–.09 10 38 3-6
SOME XII 01 12 14 03.7 41.18N 83.50E 10 **¶624927787**
NNC XII 01 12 14 06.0–2.1 41.38N 83.56E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.0km s-min=12.5km az=179.0.
ISC XII 04 03 55 57.2–3.3 41.6N–.10 82.22E–.10 18 26 3-5
SOME XII 04 03 55 59.3 41.55N 82.28E 15 **¶624927875**
NNC XII 04 03 56 00.2–1.9 41.85N 82.45E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=10.4km az=170.0.
ISC XII 03 11 05 48.5–4.1 41.8N–.20 82.6E–.10 13 18 3-5
SOME XII 03 11 05 56.7 42.10N 82.35E 15 **¶624927857**
NNC XII 03 11 05 58.7–3.0 42.14N 82.29E 0 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.9km s-min=18.8km az=12.0.
ISC XII 03 06 40 57.3–1.5 40.86N–.06 78.61E–.04 10 68 1-4
SOME XII 03 06 40 55.0 40.78N 78.65E 15 **¶622412818**
NNC XII 03 06 40 55.8–1.5 40.85N 78.67E 0 3.5b,3.1
KRNET XII 03 06 40 56.4–.10 40.88N 78.58E 19 3.0b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=6.8km az=160.0.
ISC XII 04 04 08 48.5–.99 37.2N–.10 89.1E–.10 35 3.6b 12 11-80
IDC XII 04 04 08 43.2–.97 36.99N 89.07E 0 3.8,3.6b **¶621630635**
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=15.1km az=59.0.
ISC XII 08 03 24 23.2–2.3 39.67N–.09 77.18E–.05 10–17 54 2-6
SOME XII 08 03 24 24.4 39.57N 77.20E 20 **¶622412968**
NNC XII 08 03 24 25.5–1.6 39.68N 77.18E 0 3.6b,3.3
KRNET XII 08 03 24 28.3–.10 39.74N 77.02E 3.0b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=7.8km az=162.0.
ISC XII 05 06 47 47.8–2.1 40.89N–.08 78.37E–.04 6–11 59 1-4
SOME XII 05 06 47 46.5 40.83N 78.37E 5 **¶622412878**
KRNET XII 05 06 47 46.9–.10 40.92N 78.55E 21 3.2b
NNC XII 05 06 47 48.0–1.2 40.90N 78.36E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=163.0.
ISC XII 05 07 07 03.6–1.7 40.85N–.08 78.33E–.04 10 65 1-4
SOME XII 05 07 07 01.7 40.87N 78.32E 5 **¶622412879**
KRNET XII 05 07 07 03.1–.10 40.85N 78.33E 20 3.3b
NNC XII 05 07 07 04.3–1.5 40.91N 78.27E 0 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=6.5km az=163.0.
ISC XII 05 01 43 09.9–.50 37.03N–.06 89.33E–.06 10 4.2b,4.2s 90 7-79
IDC XII 05 01 43 08.1–.74 37.07N 89.32E 0 4.0,3.9b **¶621612586**
MOS XII 05 01 43 09.3–1.4 37.15N 89.21E 16 4.4b,3.9b
NEIC XII 05 01 43 09.7–2.2 37.14N–.04 89.5E–.10 10–2 4.3b,3.9b
BJI XII 05 01 43 09.4 37.15N 89.35E 19 4.4L,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=11.7km az=55.0.
MOS Error ellipse: s-maj=8.8km s-min=5.6km az=118.4.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=3.3km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 05 01 48 06.2–.45 37.20N–.06 89.15E–.05 10 4.1b 66 5-80
IDC XII 05 01 48 03.8–.71 37.01N 89.17E 0 4.0b,4.0 **¶621612588**
NEIC XII 05 01 48 06.3–2.0 37.16N–.07 89.3E–.10 10–1 4.4b,4.0
BJI XII 05 01 48 06.7 37.11N 89.22E 17 4.6b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=11.3km az=47.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=11.6km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 05 02 07 25.5–2.7 41.5N–.10 83.1E–.10 10 26 3-5
SOME XII 05 02 07 18.5 41.40N 83.50E 10 **¶624927915**
NNC XII 05 02 07 22.2–3.2 41.41N 83.28E 25–25 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.8km s-min=19.3km az=4.0.
SOME XII 09 03 14 45.9 40.75N 82.70E 30
NNC XII 09 03 15 03.4–5.0 42.37N 83.31E 0 3.4b,3.0 **¶624928075**
NNC Event type se. Error ellipse: s-maj=47.7km s-min=22.0km az=159.0.
ISC XII 10 04 36 02.3–2.3 37.0N–.20 89.3E–.20 35 3.0s 7 11-49
IDC XII 10 04 35 54.0–2.8 36.48N 89.46E 0 3.5,3.3b **¶621644104**
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=32.6km az=95.0.
KRNET XII 12 06 05 25.9–.10 39.71N 75.08E 16 2.8b
¶635893394
ISC XII 12 06 06 26.7–2.2 41.8N–.10 81.98E–.07 10 29 2-18
IDC XII 12 06 06 05.2–2.9 40.56N 83.14E 0 3.2,2.8L **¶621650469**
SOME XII 12 06 06 25.0 42.72N 82.58E 10 3.2,2.8L
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=17.9km az=157.0.
ISC XII 13 02 03 21.0–2.3 39.86N–.06 77.06E–.03 2–14 116 2-71
SOME XII 13 02 03 18.1 39.90N 77.07E 5 **¶621627929**
KRNET XII 13 02 03 19.7–.10 39.88N 77.04E 4.3b
IDC XII 13 02 03 20.2–1.8 39.96N 77.11E 0 3.6,3.4b
NNC XII 13 02 03 21.4–.55 40.00N 77.05E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=15.9km az=124.0.
NNC Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=162.0.
ISC XII 15 00 14 07.8–1.6 40.77N–.07 78.88E–.04 10 83 1-7
SOME XII 15 00 14 01.9 40.55N 78.90E 5 **¶622413147**
NNC XII 15 00 14 04.1–1.1 40.60N 78.90E 0 3.8b,3.4
KRNET XII 15 00 14 04.1–.10 40.66N 78.98E 3.5b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=5.5km az=167.0.
ISC XII 14 03 10 19.8–2.5 41.6N–.10 83.25E–.09 10 41 3-6
NNC XII 14 03 10 12.5–4.6 41.47N 82.96E 0 3.8b,3.4 **¶624928226**
SOME XII 14 03 10 15.8 41.62N 83.18E 15 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.2km s-min=25.9km az=176.0.
ISC XII 12 20 12 31.5–2.4 41.40N–.10 83.05E–.08 10 53 3-9
SOME XII 12 20 12 32.6 41.42N 83.02E 5 **¶624928192**
NNC XII 12 20 12 33.3–1.2 41.43N 83.09E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.3km s-min=6.9km az=177.0.
ISC XII 15 09 15 18.5–3.3 39.2N–.10 76.86E–.07 9–24 40 2-5
KRNET XII 15 09 15 16.8–.10 39.28N 76.77E 3.2b **¶622413155**
SOME XII 15 09 15 19.9 39.47N 76.87E 5 3.2b
NNC XII 15 09 15 21.4–2.0 39.48N 76.85E 0 3.8b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.4km s-min=10.3km az=169.0.
ISC XII 15 09 47 55.7–2.9 40.7N–.10 79.93E–.09 10 31 2-3
KRNET XII 15 09 47 52.4–.10 40.55N 80.09E 3.4b **¶622413156**
SOME XII 15 09 47 54.8 40.75N 79.87E 5 3.4b
NNC XII 15 09 47 57.6–3.6 40.77N 79.63E 0 3.8b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.6km s-min=23.8km az=81.0.
ISC XII 15 13 32 53.1–2.4 40.77N–.09 78.55E–.06 12–14 31 1-3
SOME XII 15 13 32 51.8 40.72N 78.58E 5 **¶622413161**
NNC XII 15 13 32 53.2–.93 40.71N 78.61E 0 3.5b,3.1
KRNET XII 15 13 32 55.2–.10 40.91N 78.59E 15 2.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.7km s-min=6.1km az=104.0.
ISC XII 17 07 26 43.7–2.9 40.9N–.10 79.95E–.08 10 29 2-3
NNC XII 17 07 26 42.9–2.2 40.93N 79.97E 0 3.6b,3.3 **¶622413198**
SOME XII 17 07 26 42.9 40.87N 79.93E 25 3.6b,3.3
KRNET XII 17 07 26 43.1–.10 40.85N 79.92E 2.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=14.2km az=77.0.
ISC XII 17 02 42 01.5–2.2 42.0N–.10 82.47E–.07 13 43 2-6
SOME XII 17 02 41 59.2 41.93N 82.62E 20 **¶624928341**
NNC XII 17 02 42 02.8–1.1 41.98N 82.33E 17–6 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=6.1km az=157.0.
SOME XII 17 10 08 32.4 40.52N 83.70E 20
NNC XII 17 10 08 37.2–.68 40.64N 83.30E 0 3.7b,3.4 **¶624928356**
NNC Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=17.0.
ISC XII 20 13 37 53.0–2.6 39.4N–.20 92.5E–.10 10 12 11-74
IDC XII 20 13 37 46.6–1.7 38.90N 92.59E 0 3.3,3.2b **¶621685619**
NNC XII 20 13 37 54.2–3.6 39.36N 92.22E 0 4.0b,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=16.5km az=40.0.
NNC Event type se. Error ellipse: s-maj=44.4km s-min=27.2km az=43.0.
ISC XII 21 01 53 26.3–3.3 41.6N–.20 83.36E–.09 10 13 3-5
SOME XII 21 01 53 25.9 41.72N 83.55E 5 **¶624929997**
NNC XII 21 01 53 26.5–3.2 41.69N 83.13E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.6km s-min=15.4km az=157.0.
ISC XII 20 10 45 47.2–2.3 41.8N–.10 82.08E–.08 14 39 2-5
SOME XII 20 10 45 44.5 41.83N 82.27E 20 **¶624929972**
NNC XII 20 10 45 46.6–1.9 41.92N 82.17E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.2km s-min=7.8km az=154.0.
ISC XII 22 19 51 16.6–2.8 41.7N–.10 83.00E–.09 10 34 3-6
SOME XII 22 19 51 13.9 41.57N 83.15E 5 **¶624930046**
NNC XII 22 19 51 15.7–1.5 41.43N 82.97E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=7.4km az=151.0.
ISC XII 21 07 38 29.9–2.4 40.8N–.10 79.96E–.06 10 44 2-6
KRNET XII 21 07 38 28.8–.10 40.71N 80.18E 3.1b **¶622413322**
SOME XII 21 07 38 29.1 40.95N 79.97E 15 3.1b
NNC XII 21 07 38 31.4–2.2 40.99N 79.86E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=11.9km az=173.0.
ISC XII 21 11 11 47.3–3.8 41.8N–.20 82.3E–.10 13 13 2-5
SOME XII 21 11 11 47.3 41.98N 82.23E 20 **¶624930015**
NNC XII 21 11 11 51.3–2.3 42.21N 82.17E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.3km s-min=9.2km az=164.0.
SOME XII 25 11 20 01.7 41.28N 83.30E 15
NNC XII 25 11 20 03.5–2.4 41.30N 83.14E 0 3.7b,3.3 **¶624930158**
NNC Event type se. Error ellipse: s-maj=26.6km s-min=15.6km az=35.0.
ISC XII 23 00 51 25.8–2.7 41.9N–.10 81.77E–.08 10 16 2-5
NNC XII 23 00 51 18.1–7.3 41.23N 81.62E 0 3.2b,2.8 **¶624930050**
SOME XII 23 00 51 20.8 42.05N 82.27E 10 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=56.0km s-min=38.2km az=174.0.
ISC XII 26 07 38 16.0–.51 40.08N–.04 82.99E–.04 10 4.0b,3.1s 90 4-67
SOME XII 26 07 38 14.2 40.07N 83.05E 5 4.0b,3.1s **¶621653499**
IDC XII 26 07 38 14.8–1.2 40.15N 83.08E 0 3.8b,3.8
BJI XII 26 07 38 14.2 40.00N 83.00E 8 4.2L,4.2b
NEIC XII 26 07 38 16.3–.73 40.04N–.08 83.05E–.04 10–5 4.1b,4.2b
NNC XII 26 07 38 19.4–1.6 40.28N 83.01E 12–6 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=12.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=4.2km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=10.2km az=49.0.
NNC XII 27 20 25 58.3–8.7 41.60N 86.15E 0 3.5b,3.1
¶624930241
NNC Event type se. Error ellipse: s-maj=85.6km s-min=64.1km az=60.0.
ISC XII 28 00 04 52.8–2.5 41.9N–.10 82.15E–.08 10 43 2-5
SOME XII 28 00 04 46.8 41.75N 82.40E 5 **¶624930242**
NNC XII 28 00 04 49.7–.94 41.89N 82.32E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.1km s-min=3.6km az=154.0.
ISC XII 28 18 01 50.2–1.9 41.93N–.08 80.06E–.07 10 40 1-5
KRNET XII 28 18 01 46.3–.10 41.84N 80.18E 13 2.7b **¶622413566**
SOME XII 28 18 01 49.3 41.90N 80.07E 10 2.7b
NNC XII 28 18 01 49.9–3.0 41.95N 80.16E 0 2.8b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.5km s-min=15.7km az=43.0.
ISC XII 28 06 22 11.1–1.7 39.52N–.07 74.54E–.04 5–11 52 1-5
SOME XII 28 06 22 13.8 39.85N 74.43E 5 **¶622413553**
KRNET XII 28 06 22 14.8–.10 39.67N 74.35E 26 3.5b
NNC XII 28 06 22 15.8–1.9 39.91N 74.47E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.2km s-min=6.7km az=172.0.
ISC XII 30 12 06 48.2–3.4 41.9N–.20 82.22E–.09 14 17 2-6
SOME XII 30 12 06 44.1 42.12N 82.40E 5 **¶624930373**
NNC XII 30 12 06 49.5–3.2 42.16N 82.21E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.7km s-min=15.3km az=136.0.
ISC XII 30 16 40 09.5–2.6 41.4N–.10 83.49E–.08 10 25 3-7
SOME XII 30 16 40 05.1 41.32N 83.77E 15 **¶624930378**
NNC XII 30 16 40 08.2–2.2 41.33N 83.54E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.7km s-min=10.3km az=174.0.
ISC XII 30 14 34 41.8–3.1 41.4N–.10 83.27E–.10 10 14 3-6
SOME XII 30 14 34 40.4 41.53N 83.67E 5 **¶624930377**
NNC XII 30 14 34 43.0–1.4 41.42N 83.05E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=9.2km az=130.0.

(322) Gansu.

IDC VII 29 13 10 23.9–573 42.10N 96.95E 0
¶620984112
IDC Error ellipse: s-maj=250.9km s-min=163.5km az=4.0.
ISC VIII 09 08 52 23.7–1.4 36.5N–.10 103.1E–.20 10 3.3b 8 1-65
IDC VIII 09 08 52 22.8–1.4 36.51N 103.08E 0 3.3L,3.3b **¶621007245**
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=8.4km az=58.0.
ISC X 31 18 42 58.8–.66 38.66N–.09 102.0E–.10 35 3.7b,3.4s 16 3-85
IDC X 31 18 42 53.7–.71 38.63N 102.02E 0 3.6b,3.6 **¶621395262**
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=10.9km az=65.0.
ISC IX 04 20 03 55.6–.61 33.08N–.07 103.9E–.10 9 3.8b 29 3-123
IDC IX 04 20 03 54.4–.83 33.04N 103.82E 0 3.9L,3.6b **¶621081651**
NEIC IX 04 20 03 55.8–.89 33.08N–.07 103.8E–.10 10–1 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(323) Western Nei Mongol.

ISC VII 11 08 40 20.2–2.7 39.1N–.10 110.1E–.30 10 3.3b 8 6-25
IDC VII 11 08 40 17.7–2.6 39.12N 110.45E 0 3.4L,3.4 **¶620928413**
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=15.4km az=98.0.
ISC VII 19 18 40 28.5–.97 38.19N–.08 106.2E–.20 10 3.7b 10 3-67
IDC VII 19 18 40 26.9–1.0 38.16N 106.11E 0 3.5L,3.4 **¶620928887**
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=12.3km az=99.0.
IDC VII 19 19 15 30.9–4.7 38.21N 106.06E 0 3.3L,2.9
¶620928889
IDC Error ellipse: s-maj=90.6km s-min=19.4km az=109.0.
IDC VIII 11 07 56 30.2–6.4 39.19N 110.43E 0 3.7L,3.6
¶621009324
IDC Error ellipse: s-maj=85.4km s-min=44.2km az=54.0.
IDC VIII 11 22 29 58.1–4.7 39.39N 110.51E 0 4.2s,3.5
¶621009367
IDC Error ellipse: s-maj=101.0km s-min=25.9km az=90.0.
ISC IX 28 22 56 23.8–1.0 37.0N–.10 105.6E–.20 35 3.7b 9 2-66
IDC IX 28 22 56 18.8–.97 36.96N 105.64E 0 3.5b,3.5 **¶621140851**
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=13.3km az=121.0.
ISC VIII 20 09 41 57.8–1.2 39.03N–.08 109.5E–.10 35 3.4b 10 6-66
IDC VIII 20 09 41 53.0–1.2 38.93N 109.64E 0 3.5b,3.5 **¶621041262**
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=15.3km az=79.0.
IDC X 30 05 17 55.8–5.4 38.90N 109.68E 0 3.7L,3.5
¶621395152
IDC Error ellipse: s-maj=66.7km s-min=20.3km az=117.0.
ISC XI 18 12 42 52.9–.52 38.02N–.04 106.51E–.05 10 4.0b,3.2s 40 3-77
NEIC XI 18 12 42 43.6–2.8 37.69N–.07 103.0E–.10 10–2 4.2b,3.2s **¶622511716**
IDC XI 18 12 42 51.7–.68 38.06N 106.38E 0 4.1L,3.9b
BJI XI 18 12 42 54.0 38.00N 106.27E 19 4.6L,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=11.7km az=257.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.4km s-min=10.9km az=84.0.
ISC XI 29 09 46 38.0–.77 40.98N–.06 107.0E–.10 10 3.5b 14 6-69
IDC XI 29 09 46 35.7–.97 40.87N 107.04E 0 3.6L,3.5b **¶621626966**
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=11.3km az=87.0.

(324) Kashmir-Xinjiang border region.

ISC IX 05 01 17 14.8–1.5 36.3N–.10 75.8E–.10 35 4.2s,3.6b 18 6-87
IDC IX 05 01 17 10.8–1.6 36.37N 75.56E 0 4.2s,3.7b **¶621086373**
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=17.1km az=111.0.
ISC IX 09 23 48 25.2–.35 37.00N–.03 78.84E–.04 10 4.4b,3.5s 161 3-127
IDC IX 09 23 48 22.5–.56 36.87N 78.72E 0 4.1b,4.1 **¶621072212**
MOS IX 09 23 48 22.9–1.2 36.89N 78.81E 14 4.9b,4.1
BJI IX 09 23 48 23.8 36.93N 78.64E 5 4.6b,4.4L
NEIC IX 09 23 48 23.6–1.6 36.8N–.10 78.7E–.20 10–1 5.0b,4.4L
NNC IX 09 23 48 27.7–3.3 37.21N 78.65E 0–10 4.9b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=9.7km az=58.0.
MOS Error ellipse: s-maj=11.8km s-min=5.5km az=101.9.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=17.1km az=279.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=23.8km s-min=18.9km az=145.0.
ISC IX 24 03 19 53.5–.63 36.66N–.04 77.25E–.07 100 4.0b 58 2-81
IDC IX 24 03 19 41.6–1.9 36.46N 77.03E 0 4.0b,3.9 **¶621126406**
NNC IX 24 03 19 55.8–2.8 37.12N 77.01E 0 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=18.2km az=117.0.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=14.7km az=172.0.
ISC X 14 16 52 50.4–.67 36.74N–.04 77.27E–.08 100 45 3-71
IDC X 14 16 52 41.3–4.3 36.55N 76.44E 0 3.9b,3.7 **¶621240647**
NNC X 14 16 52 55.6–3.8 37.01N 77.09E 116–41 3.9,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=90.9km s-min=26.1km az=130.0.
NNC Event type se. Error ellipse: s-maj=29.9km s-min=17.9km az=166.0.
ISC XI 14 19 15 57.9–5.2 36.2N–.50 76.4E–.20 35 6 7-40
IDC XI 14 19 16 06.9–21 36.85N 76.33E 73–117 3.4b,3.3 **¶621468733**
ISC Event type se.
IDC Error ellipse: s-maj=224.6km s-min=92.7km az=168.0.

(325) Qinghai.

IDC VII 02 12 03 46.0–1.9 34.36N 99.10E 0 3.7L,3.5
¶620927747
IDC Error ellipse: s-maj=26.5km s-min=21.6km az=163.0.
IDC VII 02 13 45 55.1–2.0 34.65N 98.96E 0 3.6L,3.2
¶620927754
IDC Error ellipse: s-maj=29.1km s-min=21.8km az=1.0.
ISC VII 03 13 25 59.6–.88 34.7N–.10 97.8E–.10 35 3.6b 10 5-77
IDC VII 03 13 25 54.8–1.1 34.62N 97.84E 0 3.8L,3.6b **¶620927807**
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=17.2km az=12.0.
ISC VII 05 05 54 55.4–1.5 34.6N–.10 98.9E–.10 10 2.9s 6 4-47
IDC VII 05 05 54 54.6–1.9 34.70N 98.92E 0 3.9L,3.5 **¶620927927**
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=21.0km az=176.0.
ISC VII 06 01 50 53.8–.38 34.55N–.04 98.17E–.04 10 4.4b,3.6s 172 3-99
IDC VII 06 01 50 52.0–.65 34.58N 98.34E 0 4.1b,4.1 **¶620734443**
BJI VII 06 01 50 53.2 34.68N 98.28E 10 4.6b,4.5b
GFZ VII 06 01 50 54.5–.30 35N–3.0 98E–4.0 10 4.5,4.4b
NEIC VII 06 01 50 54.1–1.1 34.66N–.08 98.30E–.07 14–4 4.5b,4.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 07 07 27 11.8–.28 34.47N–.03 98.92E–.03 10 4.7b,4.0s 343 4-145
IDC VII 07 07 27 09.4–.57 34.43N 98.91E 0 4.2L,4.2b **¶620757426**
MOS VII 07 07 27 10.1–.75 34.46N 98.95E 13 4.7b,4.0s
NEIC VII 07 07 27 11.9–1.9 34.50N–.07 98.90E–.08 10–1 4.6b,4.0s
BJI VII 07 07 27 11.1 34.47N 99.02E 9 4.9b,4.6s
GFZ VII 07 07 27 12.4–.15 35N–3.0 99E–3.0 10 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 07 10 01 20.8–.41 34.44N–.05 98.96E–.04 10 4.4b,3.4s 121 4-145
IDC VII 07 10 01 18.4–.61 34.43N 98.77E 0 3.9L,3.9b **¶620758227**
GFZ VII 07 10 01 20.8–.27 34N–4.0 99E–4.0 10 4.5b,4.5
BJI VII 07 10 01 20.6 34.52N 98.92E 9 4.8b,4.4b
NEIC VII 07 10 01 21.1–1.1 34.48N–.09 98.9E–.10 10–1 4.4b,4.4b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 08 13 23 26.0–.26 34.66N–.03 97.88E–.03 10 5.0b,4.5s 583 3-144
IDC VII 08 13 23 23.4–.47 34.65N 98.01E 0 4.6b,4.6 **¶620780023**
BJI VII 08 13 23 24.2 34.72N 97.96E 6 5.2s,5.1b
MOS VII 08 13 23 24.3–1.1 34.67N 98.01E 13 5.3b,4.5s
NEIC VII 08 13 23 25.6–1.9 34.68N–.07 97.92E–.10 10–1 5.1,5.0b
GFZ VII 08 13 23 26.6–.13 35N–3.0 98E–2.0 10 5.0,5.0b
GCMT VII 08 13 23 26.4–.10 34.76N–.01 98.03E–.01 21–0 5.1W,5.0b
BGR VII 08 13 23 32.2 34.14N 97.33E 33 5.3b,4.5s
ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=9.7km az=32.0.
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=123.4.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.3km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.0km s-min=4.1km az=29.4. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107081323A. Moment Tensor Solution. s83,c110; s133,c232;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.11 $M_{\theta\theta}$1.52±.09; $M_{\phi\phi}$-0.90±.09; $M_{r\theta}$-0.10±.15; $M_{\theta\phi}$4.96±.08; $M_{\phi r}$-1.24±.16; Best double couple: NP1: ϕ_s277.00000°,δ76.00000°,λ-3.00000°. NP2:ϕ_s7.00000°,δ87.00000°,λ-166.00000°. Principal axes: T 5.5310,Plg8.0000°,Azm141.0000°; N -0.5420,Plg76.0000°,Azm19.0000° ; P -4.9920,Plg12.0000°,Azm233.0000° $M_0$5.26200×10^{16}
BGR Event type ke.
ISC VII 09 06 29 26.8–3.2 34.6N–.30 97.8E–.10 10 3.3b 7 5-24
IDC VII 09 06 29 28.4–3.3 34.83N 98.04E 0 3.5L,3.4b **¶620928231**
ISC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=19.1km az=12.0.
ISC VII 12 16 48 25.9–.31 38.61N–.03 99.68E–.04 10 4.4b,3.2s 309 1-128
MOS VII 12 16 48 24.0–.87 38.61N 99.71E 12 4.5b,3.2s **¶620802620**
BJI VII 12 16 48 24.9 38.65N 99.83E 2 4.5b,4.3L
IDC VII 12 16 48 24.5–.58 38.63N 99.68E 0 4.0,3.9L
GFZ VII 12 16 48 25.6–.16 39N–2.0 100E–2.0 10 4.4b,4.3
NEIC VII 12 16 48 26.3–1.3 38.62N–.07 99.65E–.09 10–1 4.4b,4.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 13 14 30 54.2–1.2 34.4N–.10 98.9E–.10 10 3.5b 6 4-67
IDC VII 13 14 30 52.2–1.4 34.39N 99.05E 0 4.0L,3.4 **¶620928539**
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=20.9km az=107.0.
IDC VII 13 19 35 46.7–3.8 36.57N 99.70E 0 3.9s,3.4L
¶620928555
IDC Error ellipse: s-maj=63.8km s-min=19.4km az=25.0.
ISC VII 16 12 45 25.1–.74 38.5N–.10 99.3E–.10 10 3.6b 16 4-75
IDC VII 16 12 45 23.7–.83 38.49N 99.34E 0 3.6,3.5L **¶620928717**
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=12.1km az=47.0.
ISC VII 17 05 12 46.6–1.3 34.9N–.10 98.16E–.10 10 3.4b 9 5-45
IDC VII 17 05 12 45.9–1.8 35.03N 98.06E 0 3.9L,3.8s **¶620928752**
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=19.8km az=10.0.
ISC VII 22 13 08 31.6–5.3 34.3N–.50 102.0E–.20 10 6 2-24
IDC VII 22 13 08 34.2–3.9 34.57N 101.76E 0 3.2L,3.1b **¶620967829**
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=18.0km az=163.0.
ISC VII 29 08 05 34.1–1.1 34.9N–.20 91.1E–.20 35 4.0b 11 14-82
IDC VII 29 08 05 29.1–.91 34.75N 90.89E 0 4.0b,3.8 **¶620984078**
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=17.0km az=54.0.
ISC VII 28 19 24 03.5–.37 34.82N–.05 90.97E–.05 10 4.4b,3.8s 254 3-125
IDC VII 28 19 24 01.7–.59 34.80N 90.94E 0 4.1,4.0b **¶620857676**
MOS VII 28 19 24 02.2–1.2 34.84N 90.91E 11 4.5b,4.0b
GFZ VII 28 19 24 04.0–.21 35N–4.0 91E–5.0 10 4.5,4.3b
NEIC VII 28 19 24 03.9–2.2 34.92N–.08 91.04E–.07 11–4 4.4b,4.3b
BJI VII 28 19 24 04.9 34.92N 91.01E 8 4.7b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=12.1km az=48.0.
MOS Error ellipse: s-maj=10.1km s-min=4.7km az=119.4.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.3km az=199.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 28 19 41 47.4–1.5 35.0N–.20 90.9E–.20 35 3.7b 7 13-71
IDC VII 28 19 41 42.6–1.4 34.92N 91.07E 0 3.6b,3.5 **¶620979632**
ISC Event type se.
IDC Error ellipse: s-maj=65.8km s-min=18.7km az=60.0.
ISC IX 18 08 57 51.8–.63 38.49N–.08 97.64E–.08 35 3.9b,3.2s 22 5-74
IDC IX 18 08 57 47.1–.71 38.45N 97.75E 0 4.4L,3.9b **¶621113555**
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=11.5km az=42.0.
ISC VIII 10 22 35 58.4–.49 34.72N–.03 98.26E–.03 8–2 4.8b,4.0s 601 3-118
BJI VIII 10 22 35 56.6 34.61N 98.28E 11 4.9b,4.8s **¶620980005**
IDC VIII 10 22 35 56.6–.61 34.60N 98.28E 0 4.4b,4.4
MOS VIII 10 22 35 57.1–.95 34.65N 98.27E 15 4.9b,4.1s
NEIC VIII 10 22 35 58.3–1.7 34.71N–.07 98.08E–.09 10–1 4.8b,4.1s
GFZ VIII 10 22 35 59.5–.14 35N–2.0 98E–3.0 10 4.7b,4.4
GCMT VIII 10 22 36 01.8–.20 34.75N–.02 98.47E–.02 23–1 4.8W,4.4
BGR VIII 10 22 36 03.0 34.93N 98.68E 33 4.6b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=11.0km az=19.0.
MOS Error ellipse: s-maj=7.0km s-min=3.4km az=125.6.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=12.0km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.5km s-min=4.5km az=52.4. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108102235A. Moment Tensor Solution. s29,c33; s97,c142; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.34±.11 $M_{\theta\theta}$0.43±.09; $M_{\phi\phi}$-0.77±.08; $M_{r\theta}$-0.03±.12; $M_{\theta\phi}$2.16±.07; $M_{\phi r}$-0.08±.12; Best double couple: NP1:ϕ_s278.00000°,δ88.00000° ,λ1.00000°. NP2:ϕ_s188.00000°,δ89.00000°,λ178.00000°. Principal axes: T 2.0770,Plg3.0000°,Azm143.0000°; N 0.3360,Plg87.0000°,Azm343.0000° ; P -2.4130,Plg1.0000°,Azm233.0000° $M_0$2.24500×10^{16}
BGR Event type ke.
ISC VIII 13 08 27 40.0–.96 34.5N–.10 97.42E–.10 10 4.8s,3.9b 12 5-99
IDC VIII 13 08 27 38.6–1.1 34.44N 97.56E 0 4.3s,3.9 **¶621012092**
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=16.4km az=26.0.
ISC VIII 26 15 28 03.5–.37 38.85N–.04 95.49E–.04 10 4.2b,3.1s 107 3-85
IDC VIII 26 15 28 02.2–.60 38.80N 95.62E 0 4.1,4.0b **¶621008169**
NEIC VIII 26 15 28 03.9–1.7 38.89N–.09 95.5E–.10 10–1 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 13 04 21 37.7–.39 34.57N–.03 97.43E–.02 8–2 5.5s,5.3b 924 3-158
IDC VIII 13 04 21 35.9–.39 34.46N 97.41E 0 5.3s,4.9b **¶620984725**
BJI VIII 13 04 21 36.4 34.57N 97.58E 10 5.9s,5.7
MOS VIII 13 04 21 37.3–1.1 34.61N 97.44E 18 5.5s,5.5b
GFZ VIII 13 04 21 37.8 34.50N 97.43E 20 5.5W,5.5b
GFZ VIII 13 04 21 38.5–.18 35N–3.0 97E–3.0 10 5.3b,5.1
NEIC VIII 13 04 21 38.8–1.6 34.59N–.07 97.42E–.09 14–3 5.4b,5.1
GCMT VIII 13 04 21 39.7–.10 34.60N–.01 97.65E–.01 19–0 5.7W,5.1
BGR VIII 13 04 21 40.7 33.73N 97.09E 33 5.5s,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=9.1km s-min=8.1km az=86.0.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=124.5.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.17 $M_{\theta\theta}$1.99 $M_{\phi\phi}$0.18 $M_{r\theta}$-0.63 $M_{\theta\phi}$1.04 $M_{\phi r}$0.26 NP1: ϕ_s78.65131°,δ52.29337°,λ-72.90944°. NP2:ϕ_s231.96270°,δ40.86821°,λ-110.81425°. Principal axes: T 2.5091,Plg5.8685°,Azm156.5933°; N -0.1752,Plg13.4447°,Azm248.0013° ; P -2.3339,Plg75.2860°,Azm43.5516° $M_0$2.42624×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.8km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108130421A. Moment Tensor Solution. s104,c160; s163,c339;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.68±.07 $M_{\theta\theta}$2.49±.06; $M_{\phi\phi}$-1.82±.06; $M_{r\theta}$-0.30±.14; $M_{\theta\phi}$3.77±.06; $M_{\phi r}$-1.27±.14; Best double couple: NP1: ϕ_s284.00000°,δ73.00000°,λ-4.00000°. NP2:ϕ_s16.00000°,δ86.00000°,λ-162.00000°. Principal axes: T 4.8260,Plg9.0000°,Azm149.0000°; N -0.5670,Plg72.0000°,Azm28.0000° ; P -4.2640,Plg15.0000°,Azm241.0000° $M_0$4.54500×10^{17}
BGR Event type ke.

ISC	**VIII**	**15 20 50 45.8–.95**	**33.0N–.10**	**96.9E–.10**	**35**	**3.5b**	**8**	**6-66**	
IDC	VIII	15 20 50 41.0–1.1	32.94N	96.83E	0	3.9s,3.4b			¶621023662

ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=17.6km az=70.0.

ISC	**VIII**	**25 23 38 20.8–.35**	**38.88N–.02**	**95.53E–.02**	**7–2**	**5.6b,4.8s**	**1726**	**3-169**	
BGR	VIII	25 23 38 17.7	38.20N	95.96E	14	5.6b,5.2s			¶621007386
BJI	VIII	25 23 38 19.7	38.89N	95.54E	15	5.7s,5.7b			
MOS	VIII	25 23 38 19.3–.85	38.84N	95.56E	10	5.8b,5.2s			
IDC	VIII	25 23 38 19.8–.30	38.86N	95.57E	0	5.4b,5.4			
NEIC	VIII	25 23 38 21.5–1.4	38.91N–.05	95.53E–.08	10–1	5.6b,5.4			
GFZ	VIII	25 23 38 22.0–.18	39N–3.0	95E–2.0	10	5.6b,5.3			
NEIC	VIII	25 23 38 21.5	38.91N	95.53E	10	5.6b,5.3			
GCMT	VIII	25 23 38 22.7–.10	38.91N–.01	95.54E–.01	17–0	5.4W,5.3			
NEIC	VIII	25 23 38 28.6	38.91N	95.53E	12	5.3,5.3			

ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=134.5.
IDC Error ellipse: s-maj=8.0km s-min=6.8km az=34.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.2km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108252338A. Moment Tensor Solution. s127,c229; s153,c335;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.52±.02 $M_{\theta\theta}$-0.53±.01; $M_{\phi\phi}$-0.98±.01; $M_{r\theta}$-0.00±.03; $M_{\theta\phi}$0.85±.01; $M_{\phi r}$-0.54±.03; Best double couple: NP1: ϕ_s310.00000°,δ39.00000°,λ71.00000°. NP2:ϕ_s154.00000°,δ54.00000°,λ105.00000°. Principal axes: T 1.6480,Plg76.0000°,Azm111.0000°; N 0.0490,Plg12.0000°,Azm326.0000° ; P -1.6970,Plg8.0000°,Azm234.0000° $M_0$1.67300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.17 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$-0.66 $M_{r\theta}$0.20 $M_{\theta\phi}$0.48 $M_{\phi r}$0.22 NP1:ϕ_s127.12000°,δ45.36000° ,λ72.36000°. NP2:ϕ_s331.47000°,δ47.30000°,λ107.06000°. Principal axes: T 1.2364,Plg78.0000°,Azm315.0000°; N -0.1695,Plg12.0000°,Azm140.0000° ; P -1.0670,Plg1.0000°,Azm49.0000° $M_0$1.16000×10^{17}

ISC	**X**	**02 19 37 43.0–.93**	**38.1N–.10**	**93.53E–.08**	**10**	**3.7b**	**19**	**8-97**	
IDC	X	02 19 37 41.6–.92	37.93N	93.61E	0	4.1s,3.7L			¶621186083
NNC	X	02 19 37 54.0–6.1	39.09N	93.48E	0	3.9b,3.7L			

ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=13.2km az=34.0.
NNC Event type se. Error ellipse: s-maj=80.8km s-min=49.7km az=37.0.

ISC	**IX**	**28 05 26 13.6–5.0**	**34.8N–.50**	**90.9E–.30**	**35**		**6**	**14-71**	
IDC	IX	28 05 26 05.5–5.4	34.34N	90.81E	0	3.5b,3.5			¶621140799

ISC Event type se.
IDC Error ellipse: s-maj=98.4km s-min=42.1km az=24.0.

ISC	**X**	**14 00 04 20.3–.38**	**33.83N–.04**	**91.88E–.04**	**10**	**4.3b,3.7s**	**172**	**3-105**	
IDC	X	14 00 04 18.1–.62	33.56N	91.67E	0	4.0b,4.0			¶621148695
MOS	X	14 00 04 18.4–1.2	33.72N	91.88E	10	4.7b,4.0			
NEIC	X	14 00 04 19.8–1.3	33.81N–.05	91.94E–.10	10–1	4.3b,4.0			
BJI	X	14 00 04 20.7	33.73N	91.89E	10	4.4s,4.3b			
GFZ	X	14 00 04 21.6–.26	34N–4.0	92E–4.0	10	5.3b,4.7			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**X**	**07 05 32 17.5–.91**	**34.31N–.07**	**97.56E–.07**	**10**	**3.6b,3.3s**	**14**	**3-76**	
IDC	X	07 05 32 16.3–1.3	34.48N	97.45E	0	3.9L,3.7			¶621217190

ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=19.1km az=177.0.

ISC	**XI**	**09 16 52 44.2–1.3**	**34.7N–.10**	**98.8E–.10**	**10**	**4.0b**	**9**	**4-67**	
IDC	XI	09 16 52 42.7–1.2	34.63N	98.66E	0	3.7b,3.6			¶621423161

ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=18.8km az=41.0.

ISC	**X**	**29 10 33 13.4–1.2**	**35.2N–.30**	**93.0E–.60**	**35**		**6**	**14-70**	
IDC	X	29 10 33 09.3–1.4	35.34N	93.60E	0	3.6,3.5b			¶621391437

ISC Event type se.
IDC Error ellipse: s-maj=127.8km s-min=19.7km az=60.0.

ISC	**XI**	**08 19 35 27.8–.41**	**38.10N–.05**	**93.66E–.04**	**10**	**4.4b,3.3s**	**136**	**2-83**	
IDC	XI	08 19 35 26.6–.65	38.11N	93.89E	0	4.0b,4.0			¶621385023
MOS	XI	08 19 35 26.1–1.0	38.10N	93.65E	10	4.6b,4.0			
BJI	XI	08 19 35 27.4	38.11N	93.80E	7	4.4b,4.1L			
NEIC	XI	08 19 35 28.1–1.3	38.09N–.07	93.77E–.10	10–1	4.4b,4.1L			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**23 10 24 52.8–1.1**	**37.9N–.20**	**93.1E–.10**	**10**	**3.8b**	**10**	**9-72**	
IDC	X	23 10 24 51.5–1.2	37.77N	93.08E	0	3.8,3.7L			¶621309370

ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=16.9km az=41.0.

ISC	**XI**	**28 21 52 45.0–.40**	**34.36N–.04**	**99.14E–.04**	**10**	**4.1b,2.9s**	**108**	**4-145**	
MOS	XI	28 21 52 42.8–1.6	34.50N	99.07E	10	4.4b,2.9s			¶621625195
IDC	XI	28 21 52 43.4–.65	34.38N	99.14E	0	3.9b,3.9			
NEIC	XI	28 21 52 45.6–1.6	34.45N–.07	99.07E–.06	10–1	4.1b,3.9			
BJI	XI	28 21 52 45.8	34.34N	99.11E	10	4.6b,3.9s			

ISC Event type se.
MOS Error ellipse: s-maj=11.4km s-min=6.6km az=112.2.
IDC Error ellipse: s-maj=14.7km s-min=13.2km az=31.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.7km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**17 21 04 08.3–.89**	**33.7N–.10**	**100.5E–.10**	**10**	**3.5b,3.0s**	**12**	**3-65**	
IDC	XI	17 21 04 06.7–.95	33.70N	100.53E	0	3.5L,3.4b			¶621494232

ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=15.0km az=122.0.

IDC	**XI**	**17 21 59 18.7–1.4**	**33.51N**	**100.80E**	**0**	**3.9b,3.9s**			¶621494235

IDC Error ellipse: s-maj=29.1km s-min=19.5km az=110.0.

IDC	**XI**	**15 00 35 38.0–4.7**	**35.84N**	**99.24E**	**0**	**3.7L,3.4s**			¶621475572

IDC Error ellipse: s-maj=68.4km s-min=21.4km az=16.0.

ISC	**XI**	**19 19 26 10.2–1.3**	**34.7N–.30**	**91.4E–.70**	**35**	**4.0s**	**6**	**14-94**	
IDC	XI	19 19 26 06.1–1.9	34.57N	91.22E	0	3.9s,3.6b			¶621590310

ISC Event type se.
IDC Error ellipse: s-maj=164.5km s-min=18.8km az=62.0.

ISC	**XII**	**06 06 26 53.9–.29**	**34.22N–.03**	**100.56E–.03**	**10**	**4.7b,4.1s**	**326**	**3-146**	
IDC	XII	06 06 26 52.6–.56	34.18N	100.57E	0	4.3,4.2b			¶621613038
NEIC	XII	06 06 26 53.4–1.2	34.16N–.07	100.46E–.08	10–1	4.8b,4.2b			
MOS	XII	06 06 26 53.6–1.1	34.24N	100.58E	18	4.8b,4.2s			
BJI	XII	06 06 26 53.1	34.19N	100.61E	9	4.8s,4.8b			
GCMT	XII	06 06 26 54.1–.30	34.23N–.02	100.57E–.02	25–1	4.9W,4.8b			
GFZ	XII	06 06 26 55.6–.33	34N–7.0	101E–5.0	10	5.4b,5.3			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112060626A. Moment Tensor Solution. s24,c24; s95,c133; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55±.13 $M_{\theta\theta}$2.74±.10; $M_{\phi\phi}$-2.19±.09; $M_{r\theta}$0.14±.20; $M_{\theta\phi}$-0.15±.07; $M_{\phi r}$-0.66±.21; Best double couple: NP1:ϕ_s48.00000°,δ74.00000° ,λ-168.00000°. NP2:ϕ_s315.00000°,δ79.00000°,λ-16.00000°. Principal axes: T 2.7530,Plg3.0000°,Azm2.0000°; N -0.3330,Plg71.0000°,Azm100.0000° ; P -2.4220,Plg19.0000°,Azm271.0000° $M_0$2.58800×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**XII**	**29 21 30 22.2–.42**	**36.94N–.03**	**94.67E–.03**	**11–2**	**4.9b,4.5s**	**719**	**1-98**	
BJI	XII	29 21 30 19.9	36.92N	94.65E	10	4.9L,4.7s			¶621657258
IDC	XII	29 21 30 20.1–.42	37.05N	94.72E	0	4.8s,4.6b			
MOS	XII	29 21 30 20.6–1.1	36.90N	94.76E	14	5.1b,4.6b			
NEIC	XII	29 21 30 22.2–1.1	37.00N–.07	94.66E–.08	10–1	5.0b,4.6b			
GFZ	XII	29 21 30 23.3–.51	37N–4.0	95E–3.0	11–3	6.6,6.6			
NNC	XII	29 21 30 28.3–3.8	37.43N	94.46E	28–31	4.8b,6.6			

ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=7.7km az=45.0.
MOS Error ellipse: s-maj=5.6km s-min=3.8km az=125.3.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.4km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.0km s-min=5.3km az=37.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=26.1km s-min=17.7km az=39.0.

ISC	**XII**	**18 23 54 27.8–.32**	**38.91N–.03**	**92.60E–.03**	**14–1**	**5.4b,4.5s**	**1145**	**3-167**	
BGR	XII	18 23 54 14.8	36.57N	93.74E	17–8	5.7b,4.5s			¶621633599
MOS	XII	18 23 54 25.6–.99	38.87N	92.61E	13	5.6b,4.8s			
IDC	XII	18 23 54 25.6–.35	38.87N	92.69E	0	4.9b,4.9			
BJI	XII	18 23 54 26.2	38.97N	92.67E	10	5.4b,5.2s			
NEIC	XII	18 23 54 27.1–.98	38.92N–.07	92.62E–.08	10–1	5.4b,5.2s			
GFZ	XII	18 23 54 28.3–.21	39N–3.0	93E–3.0	10	5.6b,5.3b			
GCMT	XII	18 23 54 31.2–.20	39.07N–.01	92.62E–.01	26–0	5.1W,5.3b			

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112182354A. Moment Tensor Solution. s33,c38; s113,c201; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.08±.19 $M_{\theta\theta}$-0.07±.13; $M_{\phi\phi}$-3.01±.12; $M_{r\theta}$-1.43±.22; $M_{\theta\phi}$4.08±.08; $M_{\phi r}$-1.39±.20; Best double couple: NP1:ϕ_s290.00000°,δ57.00000° ,λ36.00000°. NP2:ϕ_s179.00000°,δ61.00000°,λ141.00000°. Principal axes: T 4.9190,Plg47.0000°,Azm143.0000°; N 0.9730,Plg43.0000°,Azm327.0000° ; P -5.8870,Plg2.0000°,Azm235.0000° $M_0$5.40300×10^{16}

ISC	**XII**	**07 18 59 27.5–.67**	**34.27N–.06**	**91.04E–.09**	**10**	**3.8b**	**19**	**4-82**	
IDC	XII	07 18 59 24.2–.91	34.00N	90.95E	0	3.8b,3.6			¶621632689

ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=16.8km az=62.0.

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IDC	**VII**	**02 06 25 56.1–4.2**	**53.77N**	**88.26E**	**0**	**2.5,2.1L**			¶620927726

IDC Error ellipse: s-maj=40.8km s-min=24.9km az=52.0.

IDC	**VII**	**07 08 00 12.8–3.7**	**53.80N**	**88.14E**	**0**	**2.6,2.3L**			¶620928090

IDC Error ellipse: s-maj=28.9km s-min=22.4km az=54.0.

IDC	**VII**	**07 08 29 57.2–6.2**	**56.29N**	**86.34E**	**0**	**2.9,2.1L**			¶620928097

IDC Error ellipse: s-maj=58.5km s-min=39.9km az=29.0.

IDC	**VII**	**08 08 30 13.2–3.5**	**53.63N**	**87.86E**	**0**	**3.2,2.5L**			¶620928164

IDC Error ellipse: s-maj=26.0km s-min=18.3km az=75.0.

IDC	**VII**	**08 09 00 44.3–4.0**	**55.60N**	**86.41E**	**0**	**2.8,2.6L**			¶620928168

IDC Error ellipse: s-maj=28.1km s-min=24.7km az=17.0.

ASGSR	**VII**	**08 13 06 17.3–.24**	**51N–1.0**	**89E–1.0**	**10**	**3.1**			¶625387739

ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC	**VII**	**13 21 55 16.8–3.7**	**53.75N**	**87.19E**	**0**	**2.6,2.0L**			¶620928566

IDC Error ellipse: s-maj=37.1km s-min=20.9km az=80.0.

IDC	**VII**	**14 07 58 50.1–3.6**	**54.31N**	**87.26E**	**0**	**2.6,2.0L**			¶620928579

IDC Error ellipse: s-maj=28.6km s-min=20.2km az=73.0.

IDC	**VII**	**14 08 40 05.4–3.8**	**53.56N**	**87.85E**	**0**	**3.3,2.6L**			¶620928582

IDC Error ellipse: s-maj=36.7km s-min=22.4km az=61.0.

IDC	**VII**	**16 06 05 05.1–1.3**	**51.62N**	**82.47E**	**0**	**2.7,2.4L**			¶620928697

IDC Error ellipse: s-maj=18.8km s-min=9.8km az=121.0.

IDC	**VII**	**16 09 36 19.1–3.5**	**53.92N**	**91.19E**	**0**	**3.0,2.6L**			¶620928708

IDC Error ellipse: s-maj=27.4km s-min=27.1km az=17.0.

IDC	**VII**	**20 09 20 12.9–3.6**	**53.93N**	**86.58E**	**0**	**2.7,2.5L**			¶620961589

IDC Error ellipse: s-maj=29.9km s-min=16.1km az=78.0.

IDC	**VII**	**21 06 30 21.9–3.8**	**54.32N**	**87.39E**	**0**	**3.0,2.6L**			¶620961633

IDC Error ellipse: s-maj=28.9km s-min=18.7km az=71.0.

IDC	**VII**	**21 06 34 58.4–3.9**	**54.41N**	**86.77E**	**0**	**2.8,2.4L**			¶620961634

IDC Error ellipse: s-maj=29.8km s-min=20.1km az=62.0.

IDC	**VII**	**21 06 55 14.5–3.6**	**54.33N**	**86.16E**	**0**	**2.8,2.6L**			¶620961636

IDC Error ellipse: s-maj=27.5km s-min=13.6km az=60.0.

IDC	**VII**	**22 07 37 48.0–4.4**	**53.76N**	**88.20E**	**0**	**2.6,2.3L**			¶620967812

IDC Error ellipse: s-maj=40.2km s-min=23.0km az=54.0.

IDC	**VII**	**23 06 30 08.0–3.9**	**54.19N**	**86.41E**	**0**	**2.8,2.6L**			¶620967891

IDC Error ellipse: s-maj=32.6km s-min=14.1km az=69.0.

IDC	**VII**	**23 09 15 09.9–3.5**	**54.32N**	**87.14E**	**0**	**3.0,2.6L**			¶620967903

IDC Error ellipse: s-maj=28.6km s-min=19.2km az=76.0.

IDC	**VII**	**23 09 55 12.0–3.5**	**53.52N**	**88.08E**	**0**	**2.6,2.5L**			¶620967905

IDC Error ellipse: s-maj=30.5km s-min=19.4km az=91.0.

ISC	**VII**	**23 23 49 44.4–.80**	**50.09N–.03**	**87.91E–.02**	**10**		**64**	**0-6**	
ASGSR	VII	23 23 49 42.8–.17	50.1N–.90	88.0E–.90	10	4.0			¶621252108
NNC	VII	23 23 49 46.4–2.9	50.10N	87.78E	5–17	3.9b,3.5			

ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=114.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=21.9km s-min=11.0km az=103.0.

ISC	**VII**	**24 03 21 36.3–1.1**	**51.49N–.03**	**93.92E–.02**	**7–10**		**54**	**1-10**	
ASGSR	VII	24 03 21 36.4–.21	52N–1.0	94E–1.0	9	4.0			¶620970192
IDC	VII	24 03 21 47.6–1.1	51.36N	92.78E	0	3.5,3.0L			

ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=21.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=19.0km s-min=8.7km az=6.0.

IDC	**VII**	**26 06 15 31.4–3.2**	**54.21N**	**86.08E**	**0**	**3.1,3.0L**			¶620973816

IDC Error ellipse: s-maj=25.3km s-min=11.0km az=68.0.

IDC	**VII**	**27 09 30 09.4–4.2**	**54.32N**	**87.24E**	**0**	**2.9,2.7L**			¶620978956

IDC Error ellipse: s-maj=40.3km s-min=22.5km az=62.0.
IDC VII 28 08 45 02.1–4.0 53.71N 87.85E 0 2.7,2.2L
¶620979609

IDC Error ellipse: s-maj=35.2km s-min=20.9km az=62.0.
ISC VII 29 19 14 00.2–.91 50.19N–.03 87.69E–.03 15–6 37 0-6
ASGSR VII 29 19 13 59.0–.28 50N–1.0 88E–1.0 19–2 3.2 **¶621252351**
NNC VII 29 19 14 01.4–3.4 50.15N 87.56E 0 3.3b,2.9
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=56.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=28.1km s-min=15.8km az=99.0.
IDC VIII 06 05 59 53.8–3.3 53.82N 86.45E 0 2.6,2.4L
¶620998858

IDC Error ellipse: s-maj=28.5km s-min=14.4km az=85.0.
IDC VIII 06 08 12 07.5–4.3 53.74N 88.33E 0 2.8,2.2L
¶620998868

IDC Error ellipse: s-maj=35.1km s-min=20.7km az=66.0.
IDC VIII 06 09 24 57.9–3.5 53.54N 87.55E 0 2.8,2.4L
¶620998880

IDC Error ellipse: s-maj=26.6km s-min=17.0km az=80.0.
ASGSR VIII 09 00 49 47.4–.20 52N–1.0 95.8E–.90 9 3.7
¶625387949

ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VIII 13 03 10 30.1–1.9 53.10N 85.35E 0 2.3,2.1L
¶621011996

IDC Error ellipse: s-maj=17.1km s-min=11.2km az=134.0.
ISC VIII 12 20 41 56.3–.48 54.27N–.02 87.07E–.01 6–2 5.7s,4.8b 620 0-160
NNC VIII 12 20 41 52.4–2.7 54.33N 87.32E 0 5.3b,5.2 **¶620984539**
BJI VIII 12 20 41 54.5 54.24N 86.80E 8 4.6b,5.2
MOS VIII 12 20 41 54.9–1.2 54.20N 87.05E 2 5.6s,5.1b
ASGSR VIII 12 20 41 55.8 54N–1.0 87E–1.0 3–1 5.6,5.1b
IDC VIII 12 20 41 55.6–.41 54.29N 87.10E 0 4.3b,4.3
NEIC VIII 12 20 41 57.0–1.6 54.29N–.04 87.05E–.08 10–1 5.0b,4.3
GFZ VIII 12 20 41 58.2–.28 54N–3.0 87E–4.0 10 4.8b,4.8
BGR VIII 12 20 42 07.3 53.92N 85.80E 33 5.0b,4.8
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=22.3km s-min=14.8km az=23.0.
MOS Event type fe. Error ellipse: s-maj=4.6km s-min=4.1km az=102.3. Felt (IV) at Bol'shaya Talda, Prokop'evsk; (III) at Novokuznetsk; (II) at Kemerovo. Moment Tensor Solution.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/Hypo71. manual. confirmed.
IDC Error ellipse: s-maj=9.2km s-min=6.9km az=172.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=3.8km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
IDC VIII 13 09 30 55.0–4.6 53.72N 90.68E 0 3.0,2.5L
¶621012108

IDC Error ellipse: s-maj=40.6km s-min=26.4km az=29.0.
IDC VIII 13 09 39 11.9–3.4 53.18N 91.22E 0 2.8,2.5L
¶621012110

IDC Error ellipse: s-maj=27.9km s-min=21.8km az=69.0.
IDC VIII 16 08 45 12.6–3.9 54.00N 87.23E 0 2.8,2.6L
¶621030148

IDC Error ellipse: s-maj=37.7km s-min=19.4km az=75.0.
IDC VIII 17 09 25 16.2–3.4 53.44N 87.04E 0 2.9,2.1L
¶621030248

IDC Error ellipse: s-maj=34.7km s-min=20.6km az=84.0.
IDC VIII 17 09 50 15.7–3.8 53.72N 86.86E 0 2.7,2.4L
¶621030249

IDC Error ellipse: s-maj=36.0km s-min=19.5km az=80.0.
IDC VIII 19 08 17 27.4–3.6 53.49N 90.61E 0 2.6,2.2L
¶621039170

IDC Error ellipse: s-maj=27.8km s-min=25.1km az=67.0.
IDC VIII 19 08 05 41.4–4.7 54.38N 86.69E 0 2.6,2.3L
¶621039169

IDC Error ellipse: s-maj=41.0km s-min=18.5km az=61.0.
IDC VIII 21 22 19 36.7–463 58.43N 63.82E 0
¶621043025

IDC Error ellipse: s-maj=187.9km s-min=164.6km az=92.0.
IDC VIII 23 07 40 17.9–4.5 54.24N 86.87E 0 2.5,2.3L
¶621049208

IDC Error ellipse: s-maj=41.3km s-min=20.3km az=65.0.
ISC VIII 23 05 11 45.9–1.4 51.27N–.09 81.05E–.05 10 24 2-5
IDC VIII 23 05 11 43.9–1.6 51.27N 81.11E 0 2.3 **¶621049195**
NNC VIII 23 05 11 45.1–.59 51.15N 81.18E 0 3.1b,2.8
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=11.4km az=127.0.
NNC Event type se. Error ellipse: s-maj=9.1km s-min=3.4km az=173.0.
IDC VIII 24 07 55 11.4–3.9 54.28N 86.13E 0 2.8,2.6L
¶621049302

IDC Error ellipse: s-maj=32.9km s-min=12.6km az=62.0.
IDC VIII 24 07 15 44.2–4.6 54.29N 87.36E 0 2.7,2.4L
¶621049299

IDC Error ellipse: s-maj=40.6km s-min=23.5km az=59.0.
IDC VIII 27 05 51 59.8–1.7 51.99N 84.62E 0 2.9,2.3L
¶621072125

IDC Error ellipse: s-maj=20.4km s-min=11.1km az=109.0.
IDC VIII 31 09 42 32.1–3.7 54.05N 86.52E 0 3.0,2.7L
¶621076601

IDC Error ellipse: s-maj=32.5km s-min=15.9km az=72.0.
IDC VIII 31 02 57 28.5–2.9 54.92N 83.94E 0 2.8,2.4L
¶621076558

IDC Error ellipse: s-maj=24.0km s-min=12.9km az=166.0.
IDC IX 01 09 03 21.4–3.7 53.69N 87.01E 0 2.5,2.3L
¶621080610

IDC Error ellipse: s-maj=37.5km s-min=21.2km az=80.0.
ISC IX 05 07 10 07.3–.37 51.15N–.02 89.48E–.02 10 4.0b,3.7s 215 0-85
ASGSR IX 05 07 10 04.1–.19 51.3N–.90 89.4E–1.0 10 5.2,3.7s **¶621035481**
IDC IX 05 07 10 05.5–.57 51.19N 89.38E 0 3.9L,3.8
MOS IX 05 07 10 07.0–1.7 51.19N 89.14E 9 4.4b,3.8
NNC IX 05 07 10 08.6–1.8 51.23N 89.15E 0 4.8b,4.6
NEIC IX 05 07 10 15.9–1.5 51.25N–.05 87.9E–.20 10–2 4.1b,4.6
ISC Event type se.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 02 09 15 11.3–3.4 53.64N 87.96E 0 2.9,2.6L
¶621080668

IDC Error ellipse: s-maj=25.2km s-min=16.8km az=75.0.
ISC IX 04 09 01 27.5–.94 51.73N–.05 95.99E–.03 10 32 1-10
ASGSR IX 04 09 01 25.9–.24 52N–2.0 95.9E–1.0 8 3.7 **¶621081626**
IDC IX 04 09 01 33.2–2.2 51.98N 96.01E 0 2.9,2.6L
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=4.1km s-min=2.1km az=178.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=37.6km s-min=13.4km az=18.0.
ISC IX 05 07 44 51.5–.43 51.21N–.02 89.49E–.02 10 3.9b 192 0-62
MOS IX 05 07 44 49.7–1.4 51.25N 89.57E 9 4.2b **¶621035483**
ASGSR IX 05 07 44 49.3–.18 51.3N–.90 89.4E–.90 10 5.0
IDC IX 05 07 44 50.3–.74 51.13N 89.56E 0 3.8,3.7L
NEIC IX 05 07 44 50.9–1.2 51.41N–.09 89.68E–.07 10–1 4.2b,3.7L
NNC IX 05 07 44 54.1–1.8 51.22N 89.11E 0 4.6b,4.4
ISC Event type se.
MOS Error ellipse: s-maj=10.3km s-min=8.1km az=169.2.

ASGSR Event type se. Error ellipse: s-maj=1.9km s-min=1.8km az=139.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=12.5km s-min=8.0km az=176.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=6.2km az=338.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=15.0km s-min=10.0km az=94.0.
ISC IX 06 09 19 52.7–.79 53.16N–.04 99.15E–.02 10 76 1-7
ASGSR IX 06 09 19 52.1–.27 53N–2.0 99E–1.0 9 4.2 **¶624430942**
BYKL IX 06 09 19 56.5–.15 53.19N 99.11E 4.2
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=4.7km s-min=2.1km az=17.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC IX 06 07 47 20.2–.34 53.18N–.02 99.11E–.02 8–2 5.2b,4.7s 991 1-151
ASGSR IX 06 07 47 16.8–.21 53N–2.0 99E–1.0 4 5.9,4.7s **¶621036070**
IDC IX 06 07 47 18.9–.36 53.13N 99.16E 0 4.7b,4.7
BYKL IX 06 07 47 18.8–.21 53.09N 99.08E 4.7b,4.7
BJI IX 06 07 47 19.3 53.11N 99.05E 10 5.6s,5.3b
MOS IX 06 07 47 20.3–1.1 53.10N 99.12E 7 5.3b,4.8s
NEIC IX 06 07 47 20.4–.82 53.16N–.08 99.1E–.10 10–1 5.3,5.2b
GCMT IX 06 07 47 21.9–.10 53.20N–.01 99.23E–.01 25–0 5.3W,5.2b
GFZ IX 06 07 47 21.6–.20 53N–4.0 99E–3.0 10 5.2b,4.9
BGR IX 06 07 47 23.8 52.46N 98.99E 33 5.1b,4.9s
ISC Event type ke.
ASGSR Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=21.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=11.0km s-min=6.2km az=25.0.
BYKL Event type se. FELT I=IV-V MSK at Burungol, Orlik, Khor-Tagna; IV at Mondy, Zima, Sayansk; III-IV at Nizhneudinsk, Angarsk, Irkutsk; III at Baikalsk, Zheleznogorsk-Ilimsky.
MOS Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=25.2. Felt (IV-V) at Orlik, Barangol, Khor-Tagna; (IV) at Zima, Mondy, Sayansk; (III-IV) at Angarsk, Zalary, Irkutsk, Nizhneudinsk, Svirsk; (III) at Baykal'sk, Bratsk, Zheleznogorsk-Ilimskiy. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.4km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109060747A. Moment Tensor Solution. s97,c148; s128,c254;Duration: 1$\dagger$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.00±.02 $M_{\theta\theta}$0.16±.02; $M_{\phi\phi}$-0.15±.02; $M_{r\theta}$0.14±.03; $M_{\theta\phi}$1.03±.01; $M_{\phi r}$-0.02±.02; Best double couple: NP1:ϕ_s4.00000°,δ82.00000°,λ-180.00000°. NP2:ϕ_s274.00000°,δ90.00000°,λ-8.00000°. Principal axes: T 1.0520,Plg5.0000°,Azm320.0000°; N -0.0010,Plg82.0000°,Azm91.0000°; P -1.0510,Plg6.0000°,Azm229.0000° $M_0$1.05100×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
ISC IX 06 13 59 04.4–.78 53.13N–.03 99.08E–.02 10 76 1-7
ASGSR IX 06 13 59 02.8–.25 53N–2.0 99E–1.0 9 3.7 **¶624430946**
BYKL IX 06 13 59 08.1–.15 53.14N 99.12E 3.7
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=4.0km s-min=2.0km az=20.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC IX 06 18 13 28.8–1.1 53.21N–.03 98.89E–.02 6–7 4.0b 239 1-83
ASGSR IX 06 18 13 23.2–.25 53N–2.0 99E–1.0 4 4.9 **¶621039470**
IDC IX 06 18 13 27.3–.57 53.17N 99.15E 0 3.7b,3.7
MOS IX 06 18 13 27.6–1.6 53.18N 99.03E 5 4.3b,3.7
BYKL IX 06 18 13 27.7–.20 53.11N 99.09E 4–9 4.3b,3.7
NEIC IX 06 18 13 30.1–.77 53.3N–.10 98.8E–.20 10–2 4.2b,3.7
ISC Event type se.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Event type fe. Felt (III) at Tulun, Sayansk; (II) at Zima, Irkutsk; (II) at Angarsk. Moment Tensor Solution.
BYKL Event type se. FELT I=III MSK at Tulun, Sayansk; II-III at Irkutsk, Zima; II at Angarsk.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 06 10 12 10.1–.80 53.07N–.04 99.04E–.02 10 54 1-7
ASGSR IX 06 10 12 08.4–.26 53N–2.0 99E–1.0 9 3.6 **¶624430943**
BYKL IX 06 10 12 13.7–.30 53.13N 99.07E 3.6
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=4.9km s-min=2.2km az=21.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC IX 06 12 05 24.8–.48 53.15N–.03 99.11E–.02 10 95 1-8
ASGSR IX 06 12 05 26.0–.22 53N–2.0 99E–1.0 9 4.3 **¶624430945**
BYKL IX 06 12 05 29.0–.16 53.17N 99.09E 4.3
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=4.1km s-min=2.1km az=22.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC IX 10 00 24 46.6–.35 53.12N–.02 98.96E–.02 10 4.1b 165 1-45
ASGSR IX 10 00 24 41.8–.22 53N–2.0 99E–1.0 9 4.6 **¶621051052**
BYKL IX 10 00 24 46.3–.20 53.18N 99.09E 4.6
MOS IX 10 00 24 47.7–2.0 53.35N 99.32E 9 4.4b
IDC IX 10 00 24 48.3–1.1 53.14N 99.11E 0 3.4b,3.3
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=3.7km s-min=2.0km az=23.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se. FELT I=II-III MSK at Zalari.
MOS Event type fe. Error ellipse: s-maj=8.0km s-min=6.2km az=42.6. Felt (II-III) at Zalary. Moment Tensor Solution.
IDC Error ellipse: s-maj=23.7km s-min=8.0km az=22.0.
IDC IX 07 09 25 26.9–4.4 54.18N 87.35E 0 2.7,2.5L
¶621094316

IDC Error ellipse: s-maj=39.9km s-min=23.2km az=62.0.
ISC IX 09 22 35 39.2–1.2 53.31N–.03 99.34E–.02 6–13 70 1-13
IDC IX 09 22 35 38.6–3.5 53.56N 99.43E 0 3.0,2.3L **¶621105913**
ASGSR IX 09 22 35 40.2–.51 53N–3.0 99E–2.0 10 3.9,2.3L
BYKL IX 09 22 35 42.5–.17 53.16N 99.12E 3.9,2.3L
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=13.6km az=29.0.
ASGSR Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=36.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
IDC IX 10 09 08 51.7–4.1 53.57N 87.62E 0 2.8,2.5L
¶621108501

IDC Error ellipse: s-maj=36.9km s-min=20.9km az=63.0.
ISC IX 13 16 19 40.1–.98 53.01N–.03 98.86E–.02 11–9 133 1-14
ASGSR IX 13 16 19 37.8–.24 53N–2.0 99E–1.0 8 4.2 **¶621109712**
BYKL IX 13 16 19 41.0–.16 53.13N 99.08E 4.2
MOS IX 13 16 19 44.4–1.2 53.13N 99.32E 10 3.7b
IDC IX 13 16 19 46.5–1.8 52.84N 99.19E 0 3.2,3.1L
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=3.7km s-min=2.2km az=29.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
MOS Error ellipse: s-maj=15.5km s-min=10.3km az=21.0.
IDC Error ellipse: s-maj=35.8km s-min=10.2km az=16.0.
ISC IX 18 23 57 11.6–.67 53.15N–.03 99.07E–.02 10 96 1-8
ASGSR IX 18 23 57 07.0–.29 53N–2.0 99E–1.0 9 4.0 **¶624430968**

BYKL IX 18 23 57 11.9–.28 53.15N 99.09E 4.0
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=4.6km s-min=2.4km az=30.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
IDC IX 21 07 50 34.6–3.8 53.85N 88.25E 0 2.6,2.5L
¶621116023

IDC Error ellipse: s-maj=29.9km s-min=23.2km az=49.0.
IDC IX 23 09 01 54.9–1.4 51.53N 82.81E 0 2.4,1.9L
¶621125840

IDC Error ellipse: s-maj=20.0km s-min=11.8km az=108.0.
ISC IX 27 15 44 24.9–1.2 53.09N–.04 99.07E–.02 3–13 42 1-4
ASGSR IX 27 15 44 24.3–.44 53N–3.0 99E–2.0 10 3.6 **¶624430986**
BYKL IX 27 15 44 27.3–.31 53.17N 99.11E 24 3.6
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=5.9km s-min=3.2km az=27.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
IDC IX 27 09 01 31.8–2.0 54.61N 83.78E 0 2.9,2.5L
¶621140698

IDC Error ellipse: s-maj=18.5km s-min=11.8km az=161.0.
ISC X 03 18 17 05.8–.70 51.43N–.02 89.64E–.02 10 75 1-140
ASGSR X 03 18 17 03.6–.19 51.5N–.90 90E–1.0 10 3.4 **¶624925720**
NNC X 03 18 17 05.5–5.9 51.39N 89.82E 0 3.6b,3.3
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=116.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=49.0km s-min=30.7km az=96.0.
IDC X 06 09 09 35.6–1.8 51.69N 82.19E 0 2.5L,2.5
¶621217139

IDC Error ellipse: s-maj=19.4km s-min=15.2km az=125.0.
ISC X 08 05 36 17.9–1.1 50.02N–.03 87.90E–.03 7–11 30 0-6
ASGSR X 08 05 36 17.9–.46 50N–2.0 88E–1.0 17–5 3.2 **¶624925842**
NNC X 08 05 36 22.2–3.8 50.14N 87.75E 0 3.4b,3.0
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=165.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=32.0km s-min=19.5km az=50.0.
IDC X 08 09 43 10.2–4.5 54.41N 86.16E 0 3.0,2.5L
¶621224643

IDC Error ellipse: s-maj=36.3km s-min=15.6km az=55.0.
ISC X 11 15 52 04.5–.65 50.08N–.02 87.86E–.02 10 80 0-39
ASGSR X 11 15 52 01.5–.21 50N–1.0 88.0E–1.0 8 3.8 **¶621236894**
IDC X 11 15 52 04.4–2.1 50.07N 87.78E 0 3.6,3.5b
NNC X 11 15 52 05.5–1.5 50.15N 87.78E 0 4.0b,3.6
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=165.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=21.0km s-min=11.1km az=103.0.
NNC Event type se. Error ellipse: s-maj=13.2km s-min=5.4km az=101.0.
IDC X 12 08 05 13.1–3.6 53.57N 87.64E 0 2.5,2.3L
¶621236931

IDC Error ellipse: s-maj=28.0km s-min=20.7km az=69.0.
ISC X 15 15 54 43.9–.80 51.24N–.03 89.94E–.03 10 47 0-7
NNC X 15 15 54 39.6–5.2 51.48N 90.49E 0 3.6b,3.3 **¶624926130**
ASGSR X 15 15 54 41.0–.21 51N–1.0 90E–1.0 10 3.3,3.3
ISC Event type ke.
NNC Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 22 23 03 03.7–.42 51.40N–.02 91.58E–.02 14–2 4.9b,4.3s 656 1-158
IDC X 22 23 03 00.7–.45 51.38N 91.73E 0 4.3L,4.2b **¶621237647**
NEIC X 22 23 03 01.9–1.5 51.42N–.07 91.8E–.10 10–1 5.0b,4.2b
MOS X 22 23 03 01.7–1.2 51.47N 91.58E 12 5.0b,4.4s
ASGSR X 22 23 03 03.9–.34 51N–2.0 91E–2.0 10 5.6,4.4s
GFZ X 22 23 03 04.4–.16 51N–3.0 92E–2.0 10 5.9L,5.2b
GCMT X 22 23 03 04.9–.20 51.39N–.01 91.67E–.02 30–0 5.0W,5.2b
NNC X 22 23 03 05.7–1.9 51.43N 91.07E 0 5.3b,5.2
BJI X 22 23 03 07.4 50.87N 91.39E 7 5.5L,5.1s
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=6.2km az=10.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.1km az=182.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Error ellipse: s-maj=5.5km s-min=4.9km az=4.3. Felt (IV) at Chadan; (III) at Abakan, Minusinsk, Kalinino, Sayanogorsk; (II-III) at Kyzyl-Mazhalyk. Moment Tensor Solution.
ASGSR Event type ke. Error ellipse: s-maj=5.0km s-min=2.4km az=128.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ Error ellipse: s-maj=5.9km s-min=5.0km az=5.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110222303A. Moment Tensor Solution. s53,c66; s112,c183; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.16±.14 $M_{\theta\theta}$-3.50±.11; $M_{\phi\phi}$3.34±.10; $M_{r\theta}$1.04±.19; $M_{\theta\phi}$2.16±.07; $M_{\phi r}$-0.07±.14; Best double couple: NP1:ϕ_s332.00000°,δ79.00000°,λ-173.00000°. NP2:ϕ_s241.00000°,δ83.00000°,λ-11.00000°. Principal axes: T 3.9780,Plg3.0000°,Azm287.0000°; N 0.3770,Plg77.0000°,Azm31.0000°; P -4.3550,Plg13.0000°,Azm196.0000° $M_0$4.16700×10^{16}
NNC Event type se. Error ellipse: s-maj=19.9km s-min=11.6km az=79.0.
IDC XI 03 09 54 33.8–3.7 54.44N 86.13E 0 3.0,2.7L
¶621412238

IDC Error ellipse: s-maj=28.1km s-min=13.6km az=54.0.
ISC XI 07 01 56 21.8–1.1 50.28N–.03 87.92E–.02 3–10 45 0-6
ASGSR XI 07 01 56 20.7–.23 50N–1.0 88E–1.0 10 3.3 **¶624926912**
NNC XI 07 01 56 24.9–1.9 50.28N 87.57E 0 3.2b,2.7
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=142.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=16.3km s-min=8.1km az=100.0.
IDC XI 03 07 00 27.0–4.2 54.34N 86.79E 0 3.1,2.9L
¶621412226

IDC Error ellipse: s-maj=36.5km s-min=18.5km az=63.0.
ISC XI 04 20 46 13.1–.32 54.65N–.03 78.20E–.02 10 4.2b,3.3s 392 3-147
IDC XI 04 20 46 11.7–.49 54.79N 78.31E 0 4.2L,4.1 **¶621309706**
MOS XI 04 20 46 12.2–.99 54.55N 78.10E 13 4.3b,4.1
NEIC XI 04 20 46 13.2–1.5 54.71N–.03 78.15E–.10 10–1 4.4b,4.1
NNC XI 04 20 46 14.1–1.4 54.65N 78.05E 11–7 4.6b,4.3
BJI XI 04 20 46 15.5 54.52N 78.79E 10 4.6b,4.4b
ASGSR XI 04 20 46 18.8–.27 54N–1.0 79E–1.0 1 4.9,4.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 08 03 23 24.0–1.2 53.21N–.03 99.22E–.02 8–15 49 1-7
ASGSR XI 08 03 23 23.2–.33 53N–2.0 99E–2.0 9 3.7 **¶624638588**
BYKL XI 08 03 23 27.9–.25 53.16N 99.13E 3.7
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=28.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
IDC XI 11 06 10 19.5–1.8 54.71N 83.87E 0 3.2,2.6L
¶621449509

IDC Error ellipse: s-maj=15.7km s-min=11.2km az=173.0.
ISC XI 26 01 03 05.7–1.0 51.59N–.02 87.28E–.03 19–3 49 0-6
ASGSR XI 26 01 03 03.9–.15 51.6N–.70 87E–1.0 10 3.6 **¶624927566**
NNC XI 26 01 03 13.1–3.0 51.36N 86.80E 0 3.7b,3.3
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=91.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=27.9km s-min=16.0km az=88.0.
ASGSR XII 08 03 10 57.8–.20 52N–2.0 96.0E–1.0 9 3.8
¶625388387

ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 06 23 02 07.0–1.0 50.06N–.03 87.65E–.06 10 25 0-6
ASGSR XII 06 23 02 06.6–.37 50N–2.0 88E–2.0 10 3.1 **¶624927990**
NNC XII 06 23 02 11.6–2.6 49.91N 87.41E 0–10 3.1b,2.7
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=111.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=23.0km s-min=13.5km az=105.0.
IDC XII 03 06 02 23.9–2.0 54.63N 83.83E 0 3.0,2.6L
¶621630568

IDC Error ellipse: s-maj=16.9km s-min=12.2km az=161.0.
IDC XII 08 03 11 19.2–2.1 53.78N 97.52E 0 3.3,3.1L
¶621634659

IDC Error ellipse: s-maj=42.2km s-min=10.1km az=15.0.
ISC XII 09 00 32 48.1–1.2 53.29N–.03 99.32E–.02 7–16 55 1-6
ASGSR XII 09 00 32 46.9–.38 53N–2.0 99E–2.0 10 3.9 **¶624638602**
BYKL XII 09 00 32 51.1–.16 53.16N 99.12E 3.9
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=5.5km s-min=2.8km az=20.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
IDC XII 08 07 00 21.4–2.0 54.68N 83.73E 0 3.0,2.5L
¶621634680

IDC Error ellipse: s-maj=17.9km s-min=12.1km az=163.0.
ISC XII 08 19 59 22.1–.72 52.33N–.03 93.18E–.02 10 67 0-21
ASGSR XII 08 19 59 16.9–.18 52N–1.0 93.2E–.80 8 4.0 **¶621634746**
IDC XII 08 19 59 23.3–1.0 52.29N 92.91E 0 3.6,3.4b
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=5.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=19.5km s-min=8.1km az=4.0.
ASGSR XII 08 20 03 31.7–.20 52N–1.0 93.2E–.90 8 3.7
¶625388391

ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC XII 13 08 15 55.3–3.5 54.12N 86.45E 0 3.2,3.1L
¶621650565

IDC Error ellipse: s-maj=30.7km s-min=13.6km az=71.0.
IDC XII 15 05 45 38.3–1.4 51.59N 82.76E 0 2.3,1.9L
¶621654079

IDC Error ellipse: s-maj=26.6km s-min=12.5km az=108.0.
IDC XII 22 07 15 11.9–2.7 54.63N 83.71E 0 2.7,2.5L
¶621686751

IDC Error ellipse: s-maj=24.5km s-min=12.2km az=155.0.
ISC XII 31 14 15 21.0–1.7 51.39N–.03 91.61E–.03 7–13 57 1-13
ASGSR XII 31 14 15 17.2–.20 51N–1.0 91.6E–.90 10 3.9 **¶621726064**
IDC XII 31 14 15 21.2–1.4 51.35N 91.31E 0 3.2,2.7L
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=150.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=20.3km s-min=11.8km az=17.0.

(327) Lake Baykal region.

ISC IX 28 00 50 25.2–.73 51.67N–.02 106.24E–.02 21–1 95 0-40
MOS IX 28 00 50 23.5–2.0 51.55N 106.28E 21 4.1b **¶621111199**
BYKL IX 28 00 50 24.2–.13 51.64N 106.30E 25–2 4.1b
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=7.8km s-min=6.1km az=76.5. Felt (III-IV) at Babushkin. Moment Tensor Solution.
BYKL Event type se. FELT I=III-IV MSK at Babushkin.
IDC IX 06 04 15 05.6–2.3 51.31N 108.50E 0 3.0L,3.0
¶621094226

IDC Error ellipse: s-maj=22.6km s-min=16.2km az=54.0.
ISC IX 17 13 23 58.8–.31 55.38N–.02 111.63E–.02 10 4.2b,4.0s 236 1-149
IDC IX 17 13 23 56.8–.53 55.29N 111.62E 0 3.9L,3.9b **¶621081710**
MOS IX 17 13 23 57.5–1.1 55.39N 111.55E 9 4.2b,3.9b
NEIC IX 17 13 23 59.6–.88 55.48N–.10 111.36E–.07 10–1 4.3b,3.9b
BYKL IX 17 13 23 59.6–.14 55.34N 111.56E 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=11.3km s-min=9.7km az=153.0.
MOS Event type fe. Error ellipse: s-maj=8.6km s-min=4.6km az=75.3. Felt (III-IV) at Kumora. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=6.1km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se.
ISC VIII 10 12 04 50.5–.84 52.85N–.02 107.89E–.02 14–6 3.7b 153 0-81
IDC VIII 10 12 04 48.0–1.1 52.89N 108.01E 0 4.0s,3.6b **¶620979648**
MOS VIII 10 12 04 49.4–1.5 52.79N 107.93E 15 3.8b,3.6b
BYKL VIII 10 12 04 51.2–.09 52.81N 107.93E 21–1 3.8b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=11.9km az=169.0.
MOS Event type fe. Error ellipse: s-maj=9.8km s-min=7.0km az=49.0. Felt (IV) at Gremyachinsk; (III) at Kuytun; (II-III) at Kamensk, Ulan-Ude. Moment Tensor Solution.
BYKL Event type se. FELT I=IV MSK at Gremyachinsk; III at Kuitun; II-III at Kamensk, Ulan-Ude.
ISC IX 17 18 22 34.7–.50 56.30N–.03 112.46E–.02 10 3.7b 109 0-82
MOS IX 17 18 22 33.9–1.4 56.37N 112.36E 12 3.7b **¶621082823**
IDC IX 17 18 22 33.2–1.1 56.32N 112.61E 0 3.6s,3.5b
BYKL IX 17 18 22 35.3–.19 56.32N 112.40E 9–3 3.6s,3.5b
ISC Event type se.
MOS Error ellipse: s-maj=10.3km s-min=5.1km az=69.4.
IDC Error ellipse: s-maj=17.4km s-min=14.8km az=104.0.
BYKL Event type se.
ISC XI 02 02 59 04.1–1.1 55.32N–.02 109.38E–.02 2–7 4.2b 205 0-145
IDC XI 02 02 59 03.6–.76 55.32N 109.40E 0 4.0L,3.9 **¶621252442**
MOS XI 02 02 59 04.1–.97 55.34N 109.09E 7 4.3b,3.9
NEIC XI 02 02 59 05.2–1.1 55.31N–.09 109.38E–.10 10–1 4.4b,3.9
BYKL XI 02 02 59 06.6–.15 55.23N 109.34E 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=10.2km az=114.0.
MOS Error ellipse: s-maj=9.3km s-min=4.8km az=74.7.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.7km az=343.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se.
ISC X 09 20 03 01.0–.83 54.97N–.02 111.26E–.03 19–6 65 0-24
IDC X 09 20 02 57.9–1.3 54.85N 111.63E 0 3.8L,3.4 **¶621235346**
BYKL X 09 20 03 00.4–.13 54.94N 111.40E 20–2 3.8L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=11.9km az=141.0.
BYKL Event type se.
IDC X 06 04 05 46.7–3.6 51.32N 108.56E 0 3.0L,3.0
¶621217122

IDC Error ellipse: s-maj=34.2km s-min=16.8km az=60.0.

ISC XI 11 07 45 24.0–1.1 55.46N–.02 110.52E–.02 1–9 96 1-42
IDC XI 11 07 45 23.7–1.4 55.48N 110.55E 0 3.9b,3.9 ¶621449514
BYKL XI 11 07 45 24.5–.16 55.47N 110.44E 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=13.9km az=170.0.
BYKL Event type se.
ISC XII 15 13 44 52.3–.54 51.75N–.02 105.35E–.01 16–3 4.8b,4.1s 574 0-169
IDC XII 15 13 44 49.9–.41 51.72N 105.38E 0 4.3b,4.3 ¶621630739
MOS XII 15 13 44 50.5–1.0 51.68N 105.36E 14 4.9b,4.2s
BJI XII 15 13 44 50.0 51.74N 105.51E 9 4.9s,4.8b
NEIC XII 15 13 44 51.3–1.1 51.77N–.08 105.31E–.07 10–1 4.9b,4.8b
BYKL XII 15 13 44 51.8–.14 51.71N 105.33E 17–2 4.9b,4.8b
GCMT XII 15 13 44 52.9–.30 51.76N–.03 105.23E–.05 22–1 4.8W,4.8b
GFZ XII 15 13 44 53.6–.26 52N–4.0 105E–4.0 10 5.5L,5.4b
BGR XII 15 13 45 07.5 52.92N 104.02E 31 5.0b,4.4s
ISC Event type ke.
IDC Error ellipse: s-maj=9.6km s-min=7.6km az=30.0.
MOS Event type fe. Error ellipse: s-maj=4.5km s-min=4.4km az=47.7. Felt (V) at Tankhoy; (IV-V) at Babushkin; (IV) at Irkutsk, Sotnikovo, Slyudyanka, Angarsk, Kyakhta, Baklashi; (III-IV) at Ulan-Ude, Zalari, Granovshchina, Zyryansk, Osa, Petrovsk-Zabaykalskiy, Zakamensk, Markova, Shelekhov; (III) at Shigayevo, Mikhaylovka, Bratsk, Kamensk, Tyrgan. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.3km az=357.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se. FELT I=V MSK at Mishikha, Tankhoi; IV-V at Klyuevka, Babushkin; IV at Irkutsk, Angarsk, Kyakhta, Slyudyanka; III-IV at Shelekhov, Ulan-Ude, Zakamensk; III at Kamensk, Typgan, Bratsk; II-III at Shumak.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112151344A. Moment Tensor Solution. s23,c25; s83,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.74±.18 $M_{\theta\theta}$1.28±.12; $M_{\phi\phi}$0.45±.10; $M_{r\theta}$0.13±.19; $M_{\theta\phi}$1.00±.05; $M_{\phi r}$0.46±.17; Best double couple: NP1:ϕ_s67.00000°,δ40.00000° ,λ-74.00000°. NP2:ϕ_s226.00000°,δ52.00000°,λ-104.00000°. Principal axes:
T 1.9830,Plg6.0000°,Azm325.0000°; N -0.1510,Plg11.0000°,Azm234.0000°
; P -1.8340,Plg78.0000°,Azm83.0000° $M_0$1.90900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
ISC XII 15 03 08 18.9–1.0 51.68N–.02 105.33E–.01 3–7 3.7b,3.2s 139 0-79
MOS XII 15 03 08 18.9–.95 51.72N 105.31E 10 4.0b,3.2s ¶621630190
IDC XII 15 03 08 18.8–.84 51.74N 105.36E 0 3.7b,3.6
BYKL XII 15 03 08 20.1–.13 51.70N 105.30E 16–2 3.7b,3.6
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=7.2km s-min=5.7km az=60.5. Felt (III) at Irkutsk; (II-III) at Angarsk. Moment Tensor Solution.
IDC Error ellipse: s-maj=14.5km s-min=10.5km az=44.0.
BYKL Event type se. FELT I=III MSK at Irkutsk, Golubyye Yeli, Angarsk, II at Listvyanka.
ISC XII 16 08 23 41.1–.87 54.75N–.02 111.32E–.03 17–6 72 0-20
IDC XII 16 08 23 38.0–2.2 54.81N 111.22E 0 3.5L,3.4 ¶621654320
BYKL XII 16 08 23 41.7–.13 54.77N 111.17E 20–2 3.5L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=16.6km az=6.0.
BYKL Event type se.
ISC XII 22 10 28 09.0–1.1 54.92N–.02 111.80E–.02 5–7 4.0b,3.3s 206 0-145
MOS XII 22 10 28 08.1–.86 54.84N 111.76E 9 4.0b,3.3s ¶621644235
IDC XII 22 10 28 08.1–.56 54.86N 111.80E 0 3.9L,3.9
BYKL XII 22 10 28 08.9–.09 54.87N 111.72E 8–2 3.9L,3.9
NEIC XII 22 10 28 09.7–1.6 54.93N–.08 111.8E–.10 10–1 4.2b,3.9
ISC Event type se.
BYKL Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 19 13 25 34.7–.72 54.92N–.03 111.90E–.03 10 49 0-24
IDC XII 19 13 25 35.2–3.2 54.80N 111.87E 0 3.6L,3.2 ¶621654324
BYKL XII 19 13 25 35.6–.13 54.87N 111.72E 8–3 3.6L,3.2
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=19.1km az=179.0.
BYKL Event type se.

(328) East of Lake Baykal.

ISC VII 05 07 36 38.9–.52 56.66N–.03 118.25E–.02 10 3.9b,3.3s 101 0-77
MOS VII 05 07 36 37.2–1.7 56.76N 118.36E 8 4.1b,3.3s ¶620733792
IDC VII 05 07 36 39.9–.97 56.64N 118.32E 0 3.8L,3.8
BYKL VII 05 07 36 39.9–.21 56.73N 118.35E 8–3 3.8L,3.8
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=12.0km s-min=7.8km az=85.5. Felt (III) at Novaya Chara. Moment Tensor Solution.
IDC Error ellipse: s-maj=18.9km s-min=15.2km az=44.0.
BYKL Event type se. FELT I=III MSK at Novaya Chara.
ISC VII 10 08 36 19.1–.84 55.98N–.04 113.51E–.02 16–7 3.5b 56 0-25
IDC VII 10 08 36 17.0–1.7 55.93N 113.71E 0 3.7L,3.5 ¶620882971
BYKL VII 10 08 36 18.2–.13 55.92N 113.40E 8–3 3.7L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=15.4km az=18.0.
BYKL Event type se.
ISC VII 13 16 50 57.4–.97 55.87N–.02 113.51E–.02 3–6 4.2b,3.5s 252 0-152
MOS VII 13 16 50 56.6–.81 55.85N 113.47E 9 4.5b,3.7s ¶620816280
IDC VII 13 16 50 56.7–.55 55.88N 113.54E 0 3.9b,3.9
BYKL VII 13 16 50 57.8–.11 55.91N 113.42E 8–2 3.9b,3.9
NEIC VII 13 16 50 58.3–1.6 55.83N–.06 113.47E–.10 10–1 4.3b,3.9
ISC Event type se.
BYKL Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 11 26 01.1–.66 56.02N–.03 113.58E–.02 15–5 3.8b 117 0-58
MOS VII 18 11 25 59.6–1.4 55.82N 113.47E 7 4.3b ¶620833376
IDC VII 18 11 26 00.7–1.0 55.66N 113.36E 0 3.6L,3.6
BYKL VII 18 11 26 00.3–.12 55.90N 113.43E 4–3 3.6L,3.6
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=6.6km az=68.8.
IDC Error ellipse: s-maj=16.0km s-min=12.3km az=175.0.
BYKL Event type se.
ISC VII 18 19 27 58.8–1.1 55.90N–.03 113.40E–.02 6–10 3.2b 62 0-25
IDC VII 18 19 27 56.4–2.2 55.89N 113.22E 0 3.3L,3.2 ¶620928842
BYKL VII 18 19 27 59.3–.12 55.90N 113.41E 7–3 3.3L,3.2
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=20.9km az=70.0.
BYKL Event type se.
ISC VII 19 22 06 46.2–.88 55.91N–.02 113.59E–.02 7–5 4.5b,3.9s 431 0-152
BJI VII 19 22 06 44.6 56.01N 113.74E 8 4.6s,4.6b ¶620834058
IDC VII 19 22 06 45.0–.44 55.84N 113.58E 0 4.1b,4.1
MOS VII 19 22 06 45.0–.97 55.83N 113.52E 9 4.6b,3.8s
NEIC VII 19 22 06 46.5–1.8 55.86N–.04 113.59E–.10 10–1 4.5b,3.8s
BYKL VII 19 22 06 46.4–.10 55.88N 113.45E 8–2 4.5b,3.8s
GFZ VII 19 22 06 48.1–.36 56N–5.0 114E–5.0 10 4.5b,4.3
ISC Event type se.
MOS Event type fe. Felt (III-IV) at Severomuysk. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se. FELT I=III-IV MSK at Severomuisk.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 20 00 05 03.7–1.1 55.93N–.02 113.56E–.02 2–8 3.6b 140 0-146
MOS VII 20 00 05 02.1–1.2 55.89N 113.50E 3 3.8b ¶620961568
IDC VII 20 00 05 03.4–.75 55.81N 113.49E 0 3.9L,3.7
BYKL VII 20 00 05 03.8–.14 55.90N 113.38E 1–3 3.9L,3.7
ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=5.8km az=67.2.
IDC Error ellipse: s-maj=13.0km s-min=10.4km az=153.0.
BYKL Event type se.
ISC VII 22 00 48 07.7–1.1 55.89N–.03 113.46E–.02 6–9 3.5b 66 0-25
IDC VII 22 00 48 08.6–1.6 55.64N 113.30E 0 3.9L,3.7 ¶620967798
BYKL VII 22 00 48 08.0–.14 55.90N 113.42E 8–3 3.9L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=13.1km az=5.0.
BYKL Event type se.
ISC VII 24 09 10 17.3–.94 55.88N–.02 113.41E–.02 6–7 3.9b,2.9s 140 0-146
MOS VII 24 09 10 15.6–1.1 55.83N 113.50E 9 4.2b,2.9s ¶620845664
IDC VII 24 09 10 15.9–.79 55.76N 113.54E 0 3.7,3.6b
BYKL VII 24 09 10 17.2–.15 55.91N 113.43E 9–3 3.7,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=8.6km s-min=6.1km az=82.7.
IDC Error ellipse: s-maj=13.4km s-min=12.2km az=133.0.
BYKL Event type se.
ISC VIII 01 04 31 19.0–.43 55.85N–.02 113.38E–.02 10 3.9b 145 0-78
IDC VIII 01 04 31 18.9–.75 55.84N 113.56E 0 3.8,3.7b ¶620925413
MOS VIII 01 04 31 18.7–1.1 55.88N 113.48E 15 4.1b,3.7b
BYKL VIII 01 04 31 20.1–.15 55.93N 113.41E 10–3 4.1b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=10.1km az=155.0.
MOS Error ellipse: s-maj=9.5km s-min=6.0km az=67.7.
BYKL Event type se.
ISC VIII 13 12 20 55.0–.47 56.29N–.03 117.65E–.02 10 3.7b 117 1-77
MOS VIII 13 12 20 53.6–1.8 56.18N 117.87E 5 3.9b ¶620986255
IDC VIII 13 12 20 54.1–.83 56.23N 117.60E 0 3.7L,3.7
BYKL VIII 13 12 20 54.0–.14 56.33N 117.72E 10–10 3.7L,3.7
ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=7.8km az=76.7.
IDC Error ellipse: s-maj=14.5km s-min=13.4km az=24.0.
BYKL Event type se.
ISC VIII 18 08 29 39.0–.98 56.10N–.03 118.74E–.02 4–7 3.5b,3.2s 99 1-80
IDC VIII 18 08 29 38.9–.68 56.01N 118.83E 0 3.9L,3.7 ¶620996174
MOS VIII 18 08 29 39.1–1.7 56.04N 118.53E 8 4.2b,3.7
BYKL VIII 18 08 29 40.9–.18 56.08N 118.62E 18–10 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=12.9km s-min=11.0km az=24.0.
MOS Event type fe. Error ellipse: s-maj=10.1km s-min=8.1km az=95.1. Felt (III) at Novaya Chara. Moment Tensor Solution.
BYKL Event type se. FELT I=III MSK at Novaya Chara.
ISC VIII 15 02 03 00.5–.93 55.98N–.03 113.43E–.02 0–7 3.9b,3.3s 170 0-72
IDC VIII 15 02 03 00.4–.73 55.79N 113.41E 0 4.1L,3.9 ¶620987361
NEIC VIII 15 02 03 00.8–1.7 56.1N–.10 113.3E–.20 10–2 4.0b,3.9
MOS VIII 15 02 03 00.4–1.3 55.83N 113.43E 7 4.1b,3.9
BYKL VIII 15 02 03 01.2–.13 55.90N 113.43E 9–2 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=12.9km s-min=9.1km az=147.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=12.2km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.5km s-min=6.7km az=60.0.
BYKL Event type se.
ISC VIII 15 23 26 55.9–.61 56.50N–.02 117.85E–.02 17–3 4.9b,4.2s 725 0-150
MOS VIII 15 23 26 52.7–1.4 56.40N 117.71E 6 4.9b,4.3s ¶620987287
BJI VIII 15 23 26 53.5 56.38N 118.20E 9 5.4L,5.2s
IDC VIII 15 23 26 53.1–.39 56.40N 117.67E 0 4.3,4.2b
NEIC VIII 15 23 26 54.9–1.6 56.49N–.07 117.7E–.10 10–1 5.0b,4.2b
BYKL VIII 15 23 26 54.1–.12 56.33N 117.73E 11–10 5.0b,4.2b
GFZ VIII 15 23 26 55.5–.16 56N–3.0 118E–2.0 10 4.7b,4.4
GCMT VIII 15 23 26 55.0–.20 56.40N–.01 117.78E–.03 17–1 4.9W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108152326A. Moment Tensor Solution. s20,c28; s96,c150; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.07±.11 $M_{\theta\theta}$0.82±.08; $M_{\phi\phi}$0.25±.07; $M_{r\theta}$-1.21±.22; $M_{\theta\phi}$2.04±.05; $M_{\phi r}$0.53±.19; Best double couple: NP1:ϕ_s191.00000°,δ55.00000° ,λ-155.00000°. NP2:ϕ_s86.00000°,δ70.00000°,λ-37.00000°. Principal axes:
T 2.6890,Plg9.0000°,Azm142.0000°; N -0.1500,Plg48.0000°,Azm242.0000°
; P -2.5380,Plg40.0000°,Azm44.0000° $M_0$2.61300×10^{16}
ISC VIII 19 01 34 08.9–.43 56.25N–.02 117.63E–.02 10 3.7b,3.2s 114 1-77
MOS VIII 19 01 34 07.2–1.4 56.35N 117.90E 6 4.1b,3.2s ¶620996863
IDC VIII 19 01 34 08.6–.74 56.34N 117.72E 0 3.7L,3.7
BYKL VIII 19 01 34 10.3–.18 56.35N 117.71E 3.7L,3.7
ISC Event type se.
MOS Error ellipse: s-maj=10.2km s-min=7.2km az=74.4.
IDC Error ellipse: s-maj=12.9km s-min=11.7km az=143.0.
BYKL Event type se.
ISC VIII 19 11 48 03.8–.80 56.46N–.03 117.85E–.02 25–7 3.3b 99 0-82
MOS VIII 19 11 48 00.6–2.0 56.48N 117.80E 11 4.2b ¶620997339
BYKL VIII 19 11 48 01.5–.18 56.34N 117.72E 4.2b
IDC VIII 19 11 48 02.4–1.0 56.33N 118.34E 0 3.8L,3.7
ISC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=8.4km az=61.1.
BYKL Event type se.
IDC Error ellipse: s-maj=17.4km s-min=12.1km az=145.0.
ISC VIII 22 19 30 13.3–1.1 56.26N–.03 117.76E–.02 3–10 49 1-87
IDC VIII 22 19 30 13.1–1.3 56.34N 118.03E 0 4.1b,3.7L ¶621043119
BYKL VIII 22 19 30 15.5–.16 56.35N 117.74E 4.1b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=11.8km az=124.0.
BYKL Event type se.
ISC IX 07 21 56 03.5–.68 55.98N–.04 113.51E–.02 10 54 0-21
IDC IX 07 21 56 02.9–2.0 55.91N 113.44E 0 3.4L,3.2 ¶621094338
BYKL IX 07 21 56 03.2–.16 55.89N 113.42E 8–4 3.4L,3.2
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=16.0km az=169.0.
BYKL Event type se.
ISC VIII 26 21 08 36.7–.35 56.55N–.03 117.85E–.02 10 4.0b 166 0-146
BYKL VIII 26 21 08 35.9–.17 56.34N 117.73E 7–10 4.0b ¶621008305
MOS VIII 26 21 08 35.3–1.6 56.43N 117.72E 11 4.2b
IDC VIII 26 21 08 36.1–.59 56.44N 117.78E 0 4.0L,3.8
NEIC VIII 26 21 08 37.5–1.4 56.69N–.05 117.7E–.20 10–1 4.2b,3.8
ISC Event type se.
BYKL Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 22 36 13.4–.89 55.86N–.02 113.36E–.02 4–6 4.2b,3.5s 307 0-150
BJI VIII 31 22 36 11.6 55.95N 113.81E 7 4.5b,4.3s ¶621012675
IDC VIII 31 22 36 12.7–.51 55.85N 113.42E 0 4.0b,4.0
MOS VIII 31 22 36 12.5–.94 55.90N 113.47E 8 4.4b,4.0
GFZ VIII 31 22 36 14.5–.19 56N–4.0 113E–3.0 10 4.4b,4.4
BYKL VIII 31 22 36 14.0–.10 55.92N 113.39E 9–2 4.4b,4.4
NEIC VIII 31 22 36 15.1–1.3 55.90N–.09 113.4E–.10 10–1 4.3b,4.4
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 05 24 33.2–.44 55.97N–.02 113.48E–.02 12–2 5.0b,4.6s 981 0-165
BJI VIII 31 05 24 30.0 56.07N 113.66E 10 5.4b,5.3s ¶621011418
IDC VIII 31 05 24 31.2–.33 55.88N 113.37E 0 4.8L,4.7b
MOS VIII 31 05 24 31.2–.95 55.90N 113.44E 8 5.2b,4.5s
BYKL VIII 31 05 24 32.6–.13 55.90N 113.39E 9–2 5.2b,4.5s
GFZ VIII 31 05 24 33.7–.11 56N–2.0 114E–2.0 10 5.3,5.0b
NEIC VIII 31 05 24 33.1–1.5 55.93N–.07 113.4E–.10 9–4 5.1,5.0b
BGR VIII 31 05 24 35.9 55.31N 113.17E 33 5.0b,4.5s
ISC Event type ke.
IDC Error ellipse: s-maj=7.7km s-min=5.9km az=154.0.

MOS Event type fe. Error ellipse: s-maj=4.9km s-min=4.0km az=89.3. Felt (IV-V) at Severomuysk,(IV) at Taksimo,(III-IV) at Kumora, Bodaybo, Mamakan, Artyomovskiy,(III) at Ulyunkhan, (II-III) at Ust'-Kut. Moment Tensor Solution.
BYKL Event type se. FELT I=IV-V MSK at Severomuisk; IV at Taksimo; III-IV at Kumora, Bodaibo, Mamakan, Artemovsky; III at Uljunkhan; II-III at Ust-Kut.
GFZ Error ellipse: s-maj=4.7km s-min=4.1km az=32.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.4km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

ISC	**IX**	**01 04 14 19.3–.46**	**56.23N–.03**	**117.61E–.02**	**10**	**3.7b,3.0s**	**97**	**1-74**
MOS	IX	01 04 14 17.9–1.6	56.23N	117.68E	10	4.1b,3.0s		**¶621012683**
IDC	IX	01 04 14 19.5–.75	56.24N	117.61E	0	3.7L,3.6b		
BYKL	IX	01 04 14 20.0–.15	56.37N	117.70E	10–9	3.7L,3.6b		

ISC Event type se.
MOS Error ellipse: s-maj=12.8km s-min=8.7km az=77.1.
IDC Error ellipse: s-maj=16.6km s-min=13.2km az=27.0.
BYKL Event type se.

ISC	**IX**	**22 18 09 50.9–.62**	**56.26N–.03**	**117.68E–.02**	**10**		**57**	**1-44**
IDC	IX	22 18 09 51.3–3.1	56.35N	117.91E	0	3.8L,3.4b		**¶621118170**
BYKL	IX	22 18 09 53.0–.16	56.35N	117.71E	7–9	3.8L,3.4b		

ISC Event type se.
IDC Error ellipse: s-maj=76.3km s-min=20.4km az=68.0.
BYKL Event type se.

ISC	**IX**	**21 13 13 37.3–.96**	**56.42N–.03**	**116.48E–.02**	**17–7**	**3.7b**	**115**	**0-81**
IDC	IX	21 13 13 35.7–1.4	56.19N	116.30E	0	4.0L,3.5		**¶621116036**
MOS	IX	21 13 13 35.9–1.2	56.29N	116.45E	9	4.1b,3.5		
NEIC	IX	21 13 13 36.7–1.6	56.45N–.07	116.5E–.10	10–1	4.2b,3.5		
BYKL	IX	21 13 13 37.5–.16	56.25N	116.38E	9–3	4.2b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=14.2km az=22.0.
MOS Error ellipse: s-maj=11.8km s-min=9.0km az=61.4.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=7.2km az=314.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se.

ISC	**IX**	**23 21 43 27.7–.43**	**56.31N–.03**	**117.70E–.02**	**10**	**3.7b**	**105**	**1-88**
MOS	IX	23 21 43 27.4–1.1	56.30N	117.67E	9	4.0b		**¶621109265**
BYKL	IX	23 21 43 28.4–.15	56.35N	117.72E	9–9	4.0b		
IDC	IX	23 21 43 28.2–.69	56.31N	117.63E	0	4.0L,3.8		

ISC Event type se.
MOS Error ellipse: s-maj=10.6km s-min=8.0km az=59.4.
BYKL Event type se.
IDC Error ellipse: s-maj=13.3km s-min=12.1km az=51.0.

ISC	**IX**	**22 17 01 27.9–.46**	**56.45N–.02**	**117.80E–.02**	**9–2**	**5.5b,4.9s**	**1110**	**1-152**
IDC	IX	22 17 01 25.9–.34	56.34N	117.63E	0	4.9b,4.9		**¶621105934**
MOS	IX	22 17 01 26.0–1.1	56.26N	117.69E	10	5.6b,4.9s		
BYKL	IX	22 17 01 26.6–.19	56.34N	117.73E		5.6b,4.9s		
NEIC	IX	22 17 01 27.9–1.5	56.41N–.07	117.8E–.10	10–1	5.5b,5.3		
BJI	IX	22 17 01 27.0	56.22N	118.04E	9	6.0L,5.9s		
GCMT	IX	22 17 01 27.5–.10	56.41N–.01	117.72E–.01	12	5.2W,5.9s		
BGR	IX	22 17 01 29.1	56.88N	118.30E	12	5.4b,4.9s		
GFZ	IX	22 17 01 29.5	56.46N	117.78E	19	5.2W,4.9s		
GFZ	IX	22 17 01 29.6–.21	56N–3.0	118E–3.0	10	5.5b,5.4		

ISC Event type ke.
MOS Event type fe. Felt (IV) at Novaya Chara, Taksimo; (III-IV) at Mamakan; (III) at Bodaibo, Verkhnyaya Khila; (II) at Chita. Moment Tensor Solution.
BYKL Event type se. FELT I=IV MSK at Novaya Chara, Taksimo; III-IV at Mamakan; III at Bodaybo, Verkhnyaya Khila; II at Chita 2 b.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221701A. Moment Tensor Solution. s83,c145; s134,c258;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.68±.11 $M_{\theta\theta}$2.24±.11; $M_{\phi\phi}$1.44±.12; $M_{r\theta}$-1.61±.29; $M_{\theta\phi}$7.77±.09; $M_{\phi r}$2.48±.29; Best double couple: NP1:ϕ_s86.00000°,δ65.00000°,λ-24.00000°. NP2:ϕ_s187.00000°,δ68.00000°,λ-152.00000°. Principal axes: T 9.6430,Plg2.0000°,Azm316.0000°; N -1.7090,Plg55.0000°,Azm222.0000° ; P -7.9340,Plg34.0000°,Azm48.0000° $M_0$8.78900×10^{16}
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.40 $M_{\theta\theta}$3.15 $M_{\phi\phi}$0.25 $M_{r\theta}$-0.99 $M_{\theta\phi}$6.87 $M_{\phi r}$-0.75 NP1: ϕ_s276.05023°,δ86.88505°,λ5.03349°. NP2:ϕ_s185.77601°,δ84.97397°,λ176.87301°. Principal axes: T 8.8498,Plg5.7606°,Azm140.9815°; N -3.5252,Plg84.0827°,Azm307.7227° ; P -5.3246,Plg1.3480°,Azm50.8454° $M_0$7.71678×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**IX**	**22 17 28 25.6–1.1**	**56.42N–.03**	**117.80E–.02**	**16–9**	**3.7b**	**61**	**1-49**
IDC	IX	22 17 28 20.9–2.1	56.33N	118.27E	0	3.9L,3.5b		**¶621118166**
BYKL	IX	22 17 28 24.3–.14	56.35N	117.71E		3.9L,3.5b		

ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=18.6km az=86.0.
BYKL Event type se.

ISC	**IX**	**25 20 03 03.2–.80**	**55.91N–.08**	**113.92E–.07**	**12**	**3.4b**	**13**	**7-25**
IDC	IX	25 20 03 02.3–1.0	55.80N	113.79E	0	3.6L,3.6		**¶621131465**

ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=12.4km az=159.0.

ISC	**IX**	**24 17 48 29.0–.56**	**56.27N–.03**	**117.73E–.02**	**10**		**76**	**1-40**
MOS	IX	24 17 48 28.8–1.5	56.26N	117.73E	10	4.0b		**¶621126451**
IDC	IX	24 17 48 29.3–1.1	56.31N	117.69E	0	3.9L,3.7		
BYKL	IX	24 17 48 29.6–.17	56.31N	117.70E		3.9L,3.7		

ISC Event type se.
MOS Error ellipse: s-maj=13.1km s-min=9.9km az=59.0.
IDC Error ellipse: s-maj=15.4km s-min=11.9km az=133.0.
BYKL Event type se.

ISC	**IX**	**23 17 05 26.9–.65**	**56.34N–.02**	**117.73E–.02**	**3–4**	**4.7b,4.5s**	**453**	**1-146**
MOS	IX	23 17 05 26.3–.91	56.32N	117.73E	8	4.8b,4.5s		**¶621108660**
IDC	IX	23 17 05 26.9–.43	56.35N	117.77E	0	5.3s,4.5L		
BYKL	IX	23 17 05 27.5–.17	56.33N	117.75E		5.3s,4.5L		
BJI	IX	23 17 05 27.3	56.30N	118.22E	8	5.2L,4.7s		
NEIC	IX	23 17 05 28.8–1.6	56.39N–.08	117.7E–.10	10–1	4.8b,4.7s		
GFZ	IX	23 17 05 29.9–.27	56N–5.0	118E–4.0	10	5.9b,5.8		

ISC Event type se.
MOS Event type fe. Felt (III-IV) at Novaya Chara. Moment Tensor Solution.
BYKL Event type se. FELT I=III-IV MSK at Novaya Chara.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**X**	**11 22 21 20.1–.67**	**56.26N–.03**	**117.65E–.02**	**10**		**64**	**1-43**
MOS	X	11 22 21 19.8–1.6	56.34N	117.62E	8	3.8b		**¶621236912**
IDC	X	11 22 21 20.3–2.0	56.21N	117.87E	0	3.5L,3.2		
BYKL	X	11 22 21 20.4–.13	56.32N	117.66E		3.5L,3.2		

ISC Event type se.
MOS Error ellipse: s-maj=17.4km s-min=12.7km az=55.3.
IDC Error ellipse: s-maj=37.8km s-min=19.9km az=122.0.
BYKL Event type se.

ISC	**X**	**10 19 26 24.3–1.1**	**56.20N–.03**	**117.63E–.02**	**2–9**	**3.1b**	**54**	**1-27**
IDC	X	10 19 26 25.3–1.2	56.28N	117.59E	0	3.6L,3.4		**¶621235402**
BYKL	X	10 19 26 26.9–.16	56.32N	117.67E		3.6L,3.4		

ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=13.4km az=129.0.
BYKL Event type se.

ISC	**IX**	**29 03 23 21.6–.28**	**56.30N–.02**	**117.66E–.02**	**10**	**4.7b,3.8s**	**469**	**1-146**
MOS	IX	29 03 23 19.9–.91	56.24N	117.62E	8	4.7b,3.8s		**¶621112434**
BJI	IX	29 03 23 19.0	56.48N	117.92E	10	4.9b,4.7s		
IDC	IX	29 03 23 20.4–.41	56.28N	117.59E	0	4.3L,4.3		
BYKL	IX	29 03 23 21.1–.15	56.32N	117.68E		4.3L,4.3		
GFZ	IX	29 03 23 22.0–.28	56N–4.0	118E–5.0	10	5.4L,4.9b		
NEIC	IX	29 03 23 22.3–1.7	56.31N–.05	117.6E–.10	10–1	4.8b,4.9b		

ISC Event type se.
BYKL Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**17 17 50 48.5–.32**	**55.82N–.02**	**113.53E–.02**	**10**	**4.4b,4.2s**	**261**	**0-150**
BJI	X	17 17 50 46.1	56.11N	113.77E	9	5.0L,5.0b		**¶621205037**
IDC	X	17 17 50 47.9–.44	55.84N	113.54E	0	4.1,4.0L		
MOS	X	17 17 50 47.9–1.1	55.88N	113.58E	11	4.5b,4.0L		
BYKL	X	17 17 50 49.3–.12	55.94N	113.43E	7–2	4.5b,4.0L		
NEIC	X	17 17 50 50.1–2.2	55.87N–.09	113.4E–.10	10–1	4.6b,4.0L		

ISC Event type se.
BYKL Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**16 12 50 56.4–.78**	**55.92N–.02**	**113.64E–.02**	**9–5**	**3.9b**	**152**	**0-146**
MOS	X	16 12 50 55.9–1.1	55.83N	113.49E	9	4.6b		**¶621204672**
NEIC	X	16 12 50 56.4–1.2	55.89N–.04	113.7E–.10	10–1	4.0b		
IDC	X	16 12 50 56.4–.75	55.84N	113.45E	0	3.9L,3.8		
BYKL	X	16 12 50 57.6–.13	55.91N	113.44E	7–3	3.9L,3.8		

ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=6.9km az=62.5.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.2km az=268.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.4km s-min=9.1km az=148.0.
BYKL Event type se.

ISC	**X**	**26 07 05 49.5–.80**	**55.92N–.02**	**113.56E–.02**	**5–5**	**4.5b,4.2s**	**355**	**0-152**
BJI	X	26 07 05 47.2	56.05N	113.74E	8	4.8b,4.5s		**¶621239351**
IDC	X	26 07 05 48.4–.43	55.89N	113.58E	0	4.2L,4.2		
BYKL	X	26 07 05 49.9–.12	55.92N	113.45E	6–2	4.2L,4.2		
MOS	X	26 07 05 49.0–1.0	55.89N	113.51E	13	4.5b,4.2		
NEIC	X	26 07 05 50.3–2.0	55.90N–.07	113.58E–.10	10–1	4.6b,4.2		
GFZ	X	26 07 05 51.3–.21	56N–3.0	114E–3.0	10	5.3L,4.5b		

ISC Event type se.
BYKL Event type se. FELT I=II-III MSK at Severomuisk.
MOS Event type fe. Felt (II-III) at Severomuisk. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**X**	**19 07 20 44.0–1.1**	**55.90N–.03**	**113.45E–.02**	**4–9**		**66**	**0-78**
IDC	X	19 07 20 41.0–2.4	55.96N	113.81E	0	3.7L,3.4s		**¶621243294**
MOS	X	19 07 20 42.7–1.6	55.86N	113.51E	4	3.6b,3.4s		
BYKL	X	19 07 20 44.7–.09	55.92N	113.44E	7–2	3.6b,3.4s		

ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=24.4km az=149.0.
MOS Error ellipse: s-maj=17.4km s-min=10.1km az=67.8.
BYKL Event type se.

ISC	**X**	**24 11 04 51.2–.70**	**56.20N–.04**	**113.92E–.02**	**10**		**52**	**0-33**
IDC	X	24 11 04 49.9–2.7	55.96N	114.28E	0	3.7L,3.5		**¶621366387**
BYKL	X	24 11 04 50.6–.11	56.09N	113.90E	9–2	3.7L,3.5		
MOS	X	24 11 04 50.0–.99	56.04N	113.92E	11	3.6b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=23.1km az=61.0.
BYKL Event type se.
MOS Error ellipse: s-maj=19.4km s-min=14.3km az=63.9.

ISC	**X**	**27 04 34 45.5–.70**	**56.20N–.03**	**117.65E–.02**	**10**		**56**	**1-24**
MOS	X	27 04 34 45.7–1.5	56.32N	117.68E	11	3.6b		**¶621385448**
IDC	X	27 04 34 45.7–3.2	56.21N	117.86E	0	3.7L,3.2		
BYKL	X	27 04 34 46.6–.15	56.32N	117.66E		3.7L,3.2		

ISC Event type se.
MOS Error ellipse: s-maj=24.7km s-min=18.2km az=66.0.
IDC Error ellipse: s-maj=38.6km s-min=24.3km az=63.0.
BYKL Event type se.

ISC	**X**	**26 22 25 07.9–.46**	**56.24N–.03**	**117.61E–.02**	**10**	**3.8b,3.2s**	**100**	**1-146**
MOS	X	26 22 25 07.3–1.7	56.30N	117.71E	12	4.1b,3.2s		**¶621241106**
IDC	X	26 22 25 09.0–.90	56.22N	117.47E	0	3.6b,3.6		
BYKL	X	26 22 25 09.5–.16	56.33N	117.66E		3.6b,3.6		

ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=8.6km az=91.1.
IDC Error ellipse: s-maj=17.0km s-min=13.3km az=48.0.
BYKL Event type se.

ISC	**XI**	**30 13 40 42.1–1.0**	**56.38N–.03**	**113.96E–.02**	**8–7**	**4.1b**	**135**	**0-79**
IDC	XI	30 13 40 41.4–1.1	56.37N	113.86E	0	3.9b,3.8		**¶621532542**
MOS	XI	30 13 40 42.6–1.3	56.33N	113.86E	18	4.3b,3.8		
NEIC	XI	30 13 40 42.8–.55	56.39N–.09	113.9E–.10	10–1	4.4b,3.8		
BYKL	XI	30 13 40 44.2–.14	56.38N	113.76E	19–2	4.4b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=13.6km az=170.0.
MOS Error ellipse: s-maj=10.6km s-min=6.2km az=65.4.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=12.9km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se.

ISC	**XI**	**26 06 17 20.6–.66**	**56.25N–.03**	**117.51E–.02**	**3–4**	**4.0b,3.3s**	**183**	**1-146**
MOS	XI	26 06 17 19.8–1.2	56.29N	117.57E	8	4.4b,3.8s		**¶621469759**
IDC	XI	26 06 17 21.4–.57	56.38N	117.50E	0	4.0,3.9L		
BYKL	XI	26 06 17 21.4–.19	56.34N	117.64E		4.0,3.9L		
NEIC	XI	26 06 17 23.2–1.9	56.52N–.08	117.3E–.20	10–1	4.1b,3.9L		

ISC Event type se.
BYKL Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**01 02 49 52.9–1.1**	**56.20N–.03**	**117.51E–.02**	**6–9**	**3.8b**	**52**	**1-74**
IDC	XI	01 02 49 53.3–1.2	56.48N	117.61E	0	4.0L,3.7		**¶621401245**
MOS	XI	01 02 49 54.9–2.1	56.31N	117.66E	10	3.7b,3.7		
BYKL	XI	01 02 49 55.6–.19	56.32N	117.65E	8–9	3.7b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=14.6km az=51.0.
MOS Error ellipse: s-maj=20.3km s-min=15.1km az=92.1.
BYKL Event type se.

ISC	**XI**	**01 03 22 39.8–.57**	**55.80N–.03**	**113.32E–.02**	**10**	**3.5b**	**85**	**0-78**
IDC	XI	01 03 22 39.9–1.1	55.77N	113.51E	0	3.8L,3.6		**¶621401246**
BYKL	XI	01 03 22 40.6–.12	55.91N	113.46E	11–2	3.8L,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=11.9km az=158.0.
BYKL Event type se.

ISC	**XII**	**08 13 53 39.1–.46**	**56.63N–.02**	**118.30E–.02**	**10**	**3.9b**	**103**	**0-146**
IDC	XII	08 13 53 38.8–.66	56.68N	118.38E	0	3.7L,3.6		**¶621622057**
MOS	XII	08 13 53 39.5–1.3	56.66N	118.29E	12	4.1b,3.6		
BYKL	XII	08 13 53 41.2–.23	56.74N	118.33E	11–4	4.1b,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=9.5km az=137.0.
MOS Event type fe. Error ellipse: s-maj=10.6km s-min=7.8km az=87.6. Felt (III) at Novay Chara. Moment Tensor Solution.
BYKL Event type se. FELT I=III MSK at Novaya Chara.

ISC	**XII**	**04 09 34 22.4–.34**	**55.80N–.02**	**113.51E–.02**	**10**	**4.0b,3.4s**	**190**	**0-146**
IDC	XII	04 09 34 22.2–.60	55.85N	113.53E	0	3.9L,3.9		**¶621612442**
NEIC	XII	04 09 34 22.6–.76	55.95N–.07	113.6E–.10	10–1	4.1b,3.9		
MOS	XII	04 09 34 22.1–1.2	55.83N	113.53E	11	4.3b,3.9		
BYKL	XII	04 09 34 23.4–.13	55.92N	113.46E	11–2	4.3b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=11.9km s-min=9.3km az=145.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.1km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.7km s-min=5.8km az=70.9.
BYKL Event type se.

ISC	**XII**	**17 12 21 30.6–.55**	**56.58N–.03**	**118.00E–.02**	**10**	**3.0b**	**46**	**0-43**

IDC XII 17 12 21 29.6–1.2 56.58N 117.90E 0 3.9L,3.3 ¶621654323
BYKL XII 17 12 21 31.6–.19 56.63N 117.97E 11–3 3.9L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=16.7km az=112.0.
BYKL Event type se.
ISC XII 15 16 00 41.8–.88 56.17N–.04 113.72E–.03 13–6 47 0-22
IDC XII 15 16 00 39.7–2.0 55.98N 113.96E 0 3.2L,3.2 ¶621654123
BYKL XII 15 16 00 40.8–.15 56.10N 113.71E 21–2 3.2L,3.2
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=19.1km az=129.0.
BYKL Event type se.
ISC XII 10 03 43 31.4–.93 55.91N–.02 113.49E–.02 0–6 4.1b,3.5s 180 0-146
MOS XII 10 03 43 31.5–1.4 55.90N 113.56E 13 4.5b,3.5s ¶621626227
IDC XII 10 03 43 32.3–.64 55.84N 113.49E 0 4.0b,4.0
BYKL XII 10 03 43 32.2–.12 55.91N 113.43E 12–2 4.0b,4.0
NEIC XII 10 03 43 33.0–2.6 56.02N–.09 113.4E–.20 10–1 4.2b,4.0
ISC Event type se.
BYKL Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 02 33 18.2–.52 55.49N–.02 114.18E–.02 10 3.7b,3.0s 103 1-49
IDC XII 17 02 33 17.1–.96 55.74N 114.52E 0 3.8L,3.6 ¶621631534
MOS XII 17 02 33 19.3–2.2 55.60N 114.49E 14 4.3b,3.6
BYKL XII 17 02 33 19.3–.15 55.58N 114.31E 4.3b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=12.0km az=147.0.
MOS Error ellipse: s-maj=9.1km s-min=6.5km az=74.9.
BYKL Event type se.

(329) Eastern Kazakhstan.

ISC VII 03 05 57 05.8–.92 48.31N–.05 84.29E–.05 10 23 2-4
NNC VII 03 05 57 03.5–3.9 48.27N 84.58E 0 3.2b,2.7 ¶621251254
ASGSR VII 03 05 57 03.9–.33 48N–3.0 84E–3.0 0 3.3,2.7
ISC Event type ke.
NNC Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 07 03 02 26.9–.34 49.09N–.02 81.90E–.02 10 4.0b,3.1s 173 2-86
IDC VIII 07 03 02 24.7–.58 49.28N 82.08E 0 3.9,3.8b ¶620976033
MOS VIII 07 03 02 25.7–2.4 49.21N 81.92E 10 4.3b,3.8b
NEIC VIII 07 03 02 26.9–2.5 49.34N–.06 82.1E–.10 17–2 4.5b,3.8b
NNC VIII 07 03 02 27.9–.90 49.18N 81.78E 8–6 4.5b,4.2
ASGSR VIII 07 03 02 31.1–.38 50N–3.0 82E–1.0 9 4.5,4.2
SOME VIII 07 03 02 33.8 48.88N 81.47E 15 4.5,4.2
ISC Event type se.
IDC Error ellipse: s-maj=9.2km s-min=8.0km az=68.0.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=4.5km az=77.7. Felt (II-III) at Ust-Kamenogors. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.1km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=7.1km s-min=4.0km az=67.0.
ASGSR Event type se. Error ellipse: s-maj=7.0km s-min=3.2km az=177.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 27 01 32 30.0–3.3 48.47N–.05 84.40E–.04 9–24 28 2-6
ASGSR VIII 27 01 32 22.7–.36 48N–3.0 85E–3.0 10 3.2 ¶625388021
NNC VIII 27 01 32 28.5–2.7 48.53N 84.48E 11–12 3.2b,2.8
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=7.5km s-min=3.2km az=132.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=26.6km s-min=8.9km az=72.0.
ISC IX 11 14 02 53.9–1.3 44.35N–.10 79.70E–.09 18–5 14 0-2
SOME IX 11 14 02 52.3 44.50N 79.83E 20 ¶624940232
NNC IX 11 14 02 55.7–.54 44.26N 79.64E 0 4.3b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.1km s-min=3.5km az=99.0.
ISC IX 13 22 19 50.6–1.1 44.71N–.02 79.86E–.03 3–8 98 0-84
SOME IX 13 22 19 50.4 44.75N 79.82E 15 ¶621109726
IDC IX 13 22 19 50.5–1.2 44.81N 79.70E 0 3.7,3.6b
NNC IX 13 22 19 50.5–.48 44.72N 79.81E 0 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=9.7km az=130.0.
NNC Event type se. Error ellipse: s-maj=4.2km s-min=2.8km az=89.0.
ISC IX 19 03 01 57.7–1.1 44.77N–.03 77.88E–.03 10–9 60 0-6
NNC IX 19 03 01 57.0–.44 44.78N 77.89E 2–2 3.7,3.3b ¶624940508
SOME IX 19 03 01 58.0 44.77N 77.85E 15 3.7,3.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.7km s-min=2.0km az=127.0.
ISC IX 24 07 55 41.4–1.1 44.44N–.05 79.25E–.05 17–6 24 0-2
NNC IX 24 07 55 43.9–.71 44.27N 79.18E 0 2.7 ¶624940710
SOME IX 24 07 55 43.0 44.38N 79.10E 15 2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=97.0.
IDC X 07 07 34 00.3–2.7 49.63N 81.38E 0 2.4,1.7L
¶621217197
IDC Error ellipse: s-maj=56.7km s-min=15.4km az=92.0.
ISC X 16 15 17 29.5–1.0 44.08N–.02 78.64E–.02 13–9 66 0-7
NNC X 16 15 17 29.0–.36 44.08N 78.63E 8–3 3.9b,3.6 ¶624926152
SOME X 16 15 17 29.8 44.07N 78.62E 20 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.2km s-min=2.7km az=151.0.
SOME X 26 07 28 56.3 45.43N 78.80E 15
¶635783085
IDC XI 04 07 02 50.3–5.0 49.39N 76.12E 0 2.8,1.6L
¶621412280
IDC Error ellipse: s-maj=43.2km s-min=25.5km az=88.0.
IDC XI 09 11 12 52.1–1.7 49.63N 80.39E 0 2.6,1.7L
¶621423149
IDC Error ellipse: s-maj=27.9km s-min=13.8km az=65.0.
IDC XI 10 07 22 29.6–6.2 44.74N 78.22E 0 2.1,1.9L
¶621440053
IDC Error ellipse: s-maj=74.3km s-min=43.3km az=145.0.
ISC XI 13 22 17 34.5–1.1 44.77N–.02 77.65E–.02 5–10 95 1-10
SOME XI 13 22 17 35.2 44.80N 77.60E 20 ¶624927153
NNC XI 13 22 17 35.1–.36 44.74N 77.66E 4–2 3.9,3.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.8km s-min=2.0km az=146.0.
ISC XI 27 03 00 01.8–1.2 48.07N–.06 78.23E–.07 10 12 3-5
NNC XI 27 02 59 55.2–.42 48.06N 78.54E 0 3.2b,2.8 ¶624927623
SOME XI 27 03 00 25.7 46.62N 77.12E 10 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=47.0.
ISC XII 05 16 07 07.3–1.4 44.81N–.05 77.60E–.04 8–13 21 1-2
NNC XII 05 16 07 07.9–1.0 44.73N 77.66E 0 3.6b,3.0 ¶624927949
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=4.9km az=159.0.
ISC XII 05 09 13 03.9–1.0 44.21N–.03 78.62E–.03 9–8 40 0-2
SOME XII 05 09 13 03.8 44.22N 78.52E 5 ¶624927938
NNC XII 05 09 13 04.1–.45 44.20N 78.56E 0 2.6,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=2.2km az=151.0.
ISC XII 06 02 40 14.6–1.1 47.55N–.02 80.02E–.03 1–11 76 2-8
ASGSR XII 06 02 40 14.2–.58 48N–3.0 80E–2.0 9 4.0 ¶626535959
NNC XII 06 02 40 14.9–.74 47.49N 79.87E 6–6 3.8b,3.4
SOME XII 06 02 40 15.8 47.57N 79.70E 20 3.8b,3.4
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=44.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=4.6km s-min=4.2km az=17.0.
ISC XII 15 23 29 59.2–1.3 48.26N–.03 84.32E–.04 4–13 49 1-6
ASGSR XII 15 23 29 56.3–.34 48N–2.0 84E–2.0 8 3.5 ¶624928300
NNC XII 15 23 29 58.9–1.5 48.25N 84.09E 0 3.4,3.4b
SOME XII 15 23 29 58.9 48.10N 84.10E 5 3.4,3.4b
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=143.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=15.2km s-min=5.7km az=59.0.
ISC XII 23 07 20 15.8–1.5 44.05N–.08 76.64E–.04 6–17 24 0-3
SOME XII 23 07 20 15.0 44.08N 76.63E 5 ¶624930060
NNC XII 23 07 20 16.0–.63 44.02N 76.64E 0 3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.0km s-min=2.2km az=167.0.
ISC XII 27 07 08 03.4–2.3 50.01N–.09 78.6E–.30 10 10 1-6
NNC XII 27 07 08 00.3–3.7 51.02N 77.54E 0 3.1b,2.5 ¶621717295
IDC XII 27 07 08 03.5–1.4 50.02N 78.79E 0 2.6,2.1L
ISC Event type se.
NNC Error ellipse: s-maj=34.2km s-min=19.0km az=19.0.
IDC Error ellipse: s-maj=16.8km s-min=10.3km az=62.0.
ISC XII 30 13 25 57.6–.88 44.12N–.03 78.46E–.02 9–5 51 0-2
SOME XII 30 13 25 57.9 44.08N 78.45E 10 ¶624930375
NNC XII 30 13 25 58.0–.32 44.04N 78.51E 0 2.9,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.7km s-min=2.1km az=54.0.

(330) Lake Issyk-Kul region.

ISC VII 01 00 03 35.6–.90 42.94N–.02 77.73E–.01 10–7 143 0-21
NNC VII 01 00 03 35.7–.33 42.95N 77.71E 2–2 4.2,3.9b ¶620669120
KRNET VII 01 00 03 36.1–.10 42.93N 77.69E 22 4.0b,3.9b
SOME VII 01 00 03 36.6 42.92N 77.67E 20 4.0b,3.9b
IDC VII 01 00 03 37.8–1.8 43.15N 77.54E 0 3.3,2.9L
KNET VII 01 00 03 38.9–.56 42.90N 77.50E 14–3 3.4L,2.9L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.6km s-min=1.3km az=178.0.
IDC Error ellipse: s-maj=26.1km s-min=10.7km az=148.0.
KNET Error ellipse: s-maj=5.9km s-min=4.8km az=145.0.
ISC VII 01 08 00 53.0–1.0 42.91N–.04 77.83E–.04 17–8 24 0-1
KRNET VII 01 08 00 53.0–.10 42.91N 77.82E 21 2.2b ¶621251171
SOME VII 01 08 00 53.4 42.90N 77.83E 10 2.2b
NNC VII 01 08 00 54.2–3.0 42.81N 78.03E 0 2.5,1.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.8km s-min=17.1km az=144.0.
ISC VII 01 21 37 09.6–.83 43.31N–.02 78.57E–.02 14–6 75 0-4
NNC VII 01 21 37 08.7–.48 43.30N 78.59E 3–4 3.1,3.1b ¶621251202
KRNET VII 01 21 37 09.7–.10 43.31N 78.56E 18 3.0b,3.1b
SOME VII 01 21 37 09.8 43.35N 78.53E 15 3.0b,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.3km s-min=2.8km az=4.0.
ISC VII 02 14 55 37.6–.98 42.85N–.02 77.41E–.01 8–9 85 0-2
NNC VII 02 14 55 37.9–.68 42.88N 77.41E 0 2.7,2.1b ¶621147942
KRNET VII 02 14 55 37.5–.10 42.83N 77.39E 21 2.7b,2.1b
SOME VII 02 14 55 38.5 42.85N 77.35E 15 2.7b,2.1b
KNET VII 02 14 55 40.4–.46 42.78N 77.19E 13–3 1.5L,2.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.1km s-min=2.8km az=1.0.
KNET Error ellipse: s-maj=3.4km s-min=2.6km az=177.0.
ISC VII 02 18 03 13.0–.83 43.15N–.02 76.78E–.01 16–6 90 0-2
KRNET VII 02 18 03 13.4–.10 43.15N 76.75E 30 2.6b ¶621147944
NNC VII 02 18 03 13.2–.25 43.20N 76.78E 2–1 3.0,2.5b
SOME VII 02 18 03 13.9 43.15N 76.80E 15 3.0,2.5b
KNET VII 02 18 03 15.5–.58 43.09N 76.63E 23–3 1.6L,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.8km s-min=1.6km az=178.0.
KNET Error ellipse: s-maj=3.8km s-min=2.6km az=48.0.
ISC VII 04 06 02 55.6–.83 43.20N–.02 78.69E–.02 14–6 77 0-4
KRNET VII 04 06 02 53.4–.10 43.32N 78.71E 24 2.8b ¶621251285
NNC VII 04 06 02 55.4–.33 43.21N 78.69E 3–2 3.0,2.9b
SOME VII 04 06 02 55.9 43.17N 78.70E 15 3.0,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.7km s-min=1.8km az=171.0.
ISC VII 04 16 30 50.8–.86 42.36N–.03 76.26E–.02 16–6 39 0-2
KRNET VII 04 16 30 50.9–.10 42.36N 76.25E 20 2.6b ¶621251311
NNC VII 04 16 30 52.5–.75 42.42N 76.25E 0 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.3km s-min=2.6km az=16.0.
ISC VII 05 07 02 08.1–3.0 42.1N–.10 78.42E–.08 7–15 21 1-3
SOME VII 05 07 02 08.7 42.17N 78.22E 5 ¶621251325
NNC VII 05 07 02 09.4–.38 42.16N 78.29E 0 3.6b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.8km s-min=1.2km az=156.0.
ISC VII 05 14 32 08.4–.98 42.40N–.03 78.28E–.03 12–8 39 0-2
KRNET VII 05 14 32 08.1–.10 42.40N 78.28E 18 2.2b ¶621251345
SOME VII 05 14 32 08.8 42.42N 78.23E 10 2.2b
NNC VII 05 14 32 09.4–1.4 42.49N 78.27E 0 2.6,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.4km s-min=3.9km az=162.0.
ISC VII 06 15 50 00.3–1.0 42.15N–.03 76.42E–.02 7–8 82 0-7
KRNET VII 06 15 49 59.7–.10 42.14N 76.43E 17 3.2b ¶621147958
SOME VII 06 15 50 00.3 42.13N 76.40E 10 3.2b
NNC VII 06 15 50 01.5–.68 42.21N 76.41E 0 3.0,2.8b
KNET VII 06 15 50 01.8–.30 42.17N 76.25E 7–1 1.9L,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=2.9km az=174.0.
KNET Error ellipse: s-maj=2.4km s-min=2.1km az=66.0.
ISC VII 07 05 07 07.3–.88 42.17N–.02 76.20E–.01 6–6 140 0-22
IDC VII 07 05 07 07.0–2.2 42.14N 76.07E 0 3.5,3.2b ¶620758697
KRNET VII 07 05 07 06.2–.10 42.17N 76.23E 20 4.2b,3.2b
SOME VII 07 05 07 07.1 42.13N 76.18E 20 4.2b,3.2b
KNET VII 07 05 07 08.3–.54 42.20N 76.12E 3–4 3.3L,3.2b
NNC VII 07 05 07 08.8–.77 42.24N 76.23E 0 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=15.1km az=171.0.
KNET Error ellipse: s-maj=4.4km s-min=2.6km az=156.0.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=172.0.
ISC VII 07 16 08 07.7–1.0 42.47N–.04 78.49E–.04 17–6 41 0-2
KRNET VII 07 16 08 07.7–.10 42.48N 78.48E 20 2.8b ¶621251436
SOME VII 07 16 08 08.3 42.50N 78.48E 15 2.8b
NNC VII 07 16 08 09.7–1.6 42.60N 78.46E 0 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.5km s-min=4.6km az=169.0.
ISC VII 07 16 18 36.9–1.3 42.39N–.06 78.47E–.06 16–7 21 0-2
KRNET VII 07 16 18 37.6–.10 42.41N 78.43E 19 2.6b ¶621251438
SOME VII 07 16 18 38.3 42.37N 78.42E 15 2.6b
NNC VII 07 16 18 39.3–1.1 42.46N 78.61E 0 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.9km s-min=6.3km az=109.0.
ISC VII 08 03 47 47.1–1.0 43.89N–.02 78.84E–.03 9–9 40 0-2
NNC VII 08 03 47 46.6–.19 43.88N 78.84E 0 2.6 ¶621251445
SOME VII 08 03 47 47.3 43.90N 78.80E 15 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=1.4km s-min=1.3km az=95.0.
ISC VII 09 11 36 21.3–1.3 42.85N–.04 79.01E–.04 1–11 36 0-3
SOME VII 09 11 36 21.0 42.85N 79.10E 5 ¶621251521
NNC VII 09 11 36 21.4–.95 42.88N 79.10E 0 3.3b,3.2
KRNET VII 09 11 36 21.2–.10 42.85N 79.17E 29 2.9b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=155.0.
ISC VII 09 12 05 40.2–.98 42.86N–.03 77.97E–.02 14–9 66 0-3
NNC VII 09 12 05 40.0–.55 42.87N 77.96E 0 3.2b,3.0 ¶621147972

SOME VII 09 12 05 40.5 42.87N 77.95E 15 3.2b,3.0
KRNET VII 09 12 05 40.4–.10 42.84N 78.04E 35 3.0b,3.0
KNET VII 09 12 05 43.9–.42 42.83N 77.68E 4–2 2.1L,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.3km s-min=2.0km az=166.0.
KNET Error ellipse: s-maj=5.1km s-min=2.7km az=161.0.
ISC VII 12 03 14 45.2–.99 43.17N–.02 77.52E–.01 8–8 106 0-5
KRNET VII 12 03 14 45.9–.10 43.14N 77.46E 18 3.0b **¶621147992**
NNC VII 12 03 14 45.6–.24 43.15N 77.48E 0 3.3,3.0b
SOME VII 12 03 14 46.3 43.13N 77.45E 15 3.3,3.0b
KNET VII 12 03 14 47.5–.42 43.11N 77.35E 15–3 2.2L,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.5km s-min=1.2km az=173.0.
KNET Error ellipse: s-maj=3.7km s-min=2.9km az=144.0.
ISC VII 12 06 41 32.4–1.1 42.40N–.03 77.92E–.02 8–11 37 0-2
KRNET VII 12 06 41 31.4–.10 42.39N 78.05E 30 1.9b **¶621251620**
SOME VII 12 06 41 32.4 42.38N 77.97E 5 1.9b
NNC VII 12 06 41 34.0–.87 42.42N 77.93E 0 2.7b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=29.0.
ISC VII 12 06 42 29.8–1.0 42.39N–.03 77.97E–.02 13–10 35 0-2
KRNET VII 12 06 42 29.7–.10 42.38N 78.02E 20 2.0b **¶621251623**
SOME VII 12 06 42 30.3 42.38N 77.97E 15 2.0b
NNC VII 12 06 42 31.3–1.4 42.41N 77.91E 0 2.7b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.1km s-min=9.4km az=35.0.
ISC VII 12 16 56 20.1–.95 43.20N–.03 78.26E–.03 8–9 30 0-2
NNC VII 12 16 56 19.9–.38 43.20N 78.25E 0 2.6 **¶621251657**
SOME VII 12 16 56 20.2 43.18N 78.25E 5 2.6
KRNET VII 12 16 56 22.8–.10 43.10N 78.30E 35 2.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.3km s-min=2.1km az=42.0.
ISC VII 12 19 46 04.9–1.0 43.20N–.02 78.22E–.02 5–9 47 0-2
NNC VII 12 19 46 04.8–.54 43.21N 78.28E 0 3.1 **¶621251661**
KRNET VII 12 19 46 04.9–.10 43.19N 78.25E 19 2.9b
SOME VII 12 19 46 05.5 43.18N 78.25E 10 2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.1km s-min=2.7km az=28.0.
ISC VII 14 15 32 39.1–.87 43.13N–.02 77.48E–.02 15–8 68 0-2
NNC VII 14 15 32 38.9–.22 43.14N 77.48E 0 2.5,2.2b **¶621251756**
SOME VII 14 15 32 38.9 43.12N 77.45E 10 2.5,2.2b
KRNET VII 14 15 32 39.1–.10 43.14N 77.47E 16 2.5b,2.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.3km s-min=1.1km az=176.0.
ISC VII 14 21 27 00.0–.98 43.13N–.02 77.51E–.01 11–8 99 0-5
KRNET VII 14 21 27 00.8–.10 43.15N 77.47E 17 3.3b **¶621148000**
NNC VII 14 21 27 00.6–.25 43.15N 77.47E 0–2 3.2,3.0b
SOME VII 14 21 27 01.3 43.15N 77.45E 10 3.2,3.0b
KNET VII 14 21 27 02.9–.38 43.09N 77.34E 16–2 2.2L,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=1.6km az=179.0.
KNET Error ellipse: s-maj=3.2km s-min=2.6km az=149.0.
ISC VII 15 08 48 42.0–.96 43.14N–.02 77.46E–.01 9–8 124 0-8
KRNET VII 15 08 48 42.2–.10 43.14N 77.48E 17 3.5b **¶621148002**
NNC VII 15 08 48 42.3–.23 43.17N 77.48E 2–1 3.8b,3.6
SOME VII 15 08 48 42.2 43.12N 77.47E 5 3.8b,3.6
KNET VII 15 08 48 44.5–.53 43.10N 77.33E 20–2 2.8L,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.4km s-min=1.3km az=172.0.
KNET Error ellipse: s-maj=3.9km s-min=3.5km az=155.0.
ISC VII 15 08 51 11.7–1.0 43.11N–.04 77.49E–.02 11–9 31 0-1
SOME VII 15 08 51 10.5 43.17N 77.55E 15 **¶621251782**
KRNET VII 15 08 51 11.6–.10 43.11N 77.49E 9 2.6b
NNC VII 15 08 51 11.7–.28 43.10N 77.49E 0 2.9,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.3km s-min=1.3km az=1.0.
ISC VII 15 14 05 12.4–.90 43.14N–.03 77.46E–.02 16–7 48 0-2
KRNET VII 15 14 05 12.3–.10 43.14N 77.46E 20 2.7b **¶621251795**
NNC VII 15 14 05 12.4–.43 43.16N 77.49E 0 2.8
SOME VII 15 14 05 12.7 43.12N 77.47E 15 2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.7km s-min=2.2km az=178.0.
ISC VII 15 15 46 04.6–.96 43.14N–.03 77.50E–.02 13–9 37 0-1
KRNET VII 15 15 46 04.5–.10 43.16N 77.49E 13 2.3b **¶621251798**
NNC VII 15 15 46 04.3–.47 43.15N 77.50E 0 2.6,1.7b
SOME VII 15 15 46 04.3 43.13N 77.50E 5 2.6,1.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.8km s-min=2.6km az=179.0.
ISC VII 15 15 46 27.1–2.2 43.21N–.09 77.63E–.08 12–17 16 0-1
KRNET VII 15 15 46 29.1–.10 43.15N 77.67E 26 2.5b **¶622421707**
SOME VII 15 15 46 29.6 43.13N 77.50E 15 2.5b
ISC Event type se.
ISC VII 15 17 44 39.7–1.1 43.11N–.02 77.49E–.02 4–10 79 0-2
KRNET VII 15 17 44 39.2–.10 43.12N 77.73E 35 2.7b **¶621148003**
NNC VII 15 17 44 41.5–.34 43.17N 77.46E 0 3.0,2.9b
SOME VII 15 17 44 41.1 43.10N 77.47E 10 3.0,2.9b
KNET VII 15 17 44 43.6–.42 43.05N 77.37E 24–2 2.0L,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=1.7km az=171.0.
KNET Error ellipse: s-maj=3.3km s-min=2.5km az=173.0.
ISC VII 15 17 45 12.4–.94 43.13N–.03 77.49E–.02 18–6 61 0-2
NNC VII 15 17 45 13.4–.38 43.15N 77.48E 0 3.2 **¶621251804**
KRNET VII 15 17 45 13.3–.10 43.11N 77.49E 17 2.8b
SOME VII 15 17 45 13.1 43.10N 77.48E 10 2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.5km s-min=1.8km az=172.0.
ISC VII 15 17 51 16.5–.88 43.08N–.03 77.47E–.02 17–7 54 0-2
NNC VII 15 17 51 17.2–.23 43.15N 77.48E 0 2.7,2.5b **¶621251806**
KRNET VII 15 17 51 17.1–.10 43.09N 77.50E 13 2.2b,2.5b
SOME VII 15 17 51 17.2 43.08N 77.47E 10 2.2b,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.5km s-min=1.1km az=173.0.
ISC VII 15 17 54 01.1–.90 43.13N–.02 77.49E–.01 14–8 78 0-2
KRNET VII 15 17 53 59.8–.10 43.18N 77.64E 25 2.9b **¶621148004**
NNC VII 15 17 54 01.3–.30 43.17N 77.46E 1–3 2.9,2.6b
SOME VII 15 17 54 01.0 43.12N 77.47E 15 2.9,2.6b
KNET VII 15 17 54 02.8–.92 43.12N 77.25E 0 1.8L,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.7km s-min=1.8km az=168.0.
KNET Error ellipse: s-maj=5.3km s-min=3.2km az=54.0.
ISC VII 15 17 56 41.3–.92 43.10N–.02 77.50E–.02 11–8 62 0-2
KRNET VII 15 17 56 40.3–.10 43.14N 77.65E 30 2.5b **¶621251807**
NNC VII 15 17 56 41.7–.47 43.18N 77.46E 0 2.8b,2.6
SOME VII 15 17 56 41.6 43.13N 77.47E 10 2.8b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.7km s-min=2.3km az=168.0.
ISC VII 16 12 44 49.5–.88 43.13N–.02 77.48E–.02 13–8 62 0-2
KRNET VII 16 12 44 49.4–.10 43.13N 77.47E 17 2.6b **¶621251836**
NNC VII 16 12 44 49.4–.31 43.15N 77.48E 0 2.7,2.4b
SOME VII 16 12 44 50.1 43.13N 77.47E 10 2.7,2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.3km s-min=1.5km az=177.0.
ISC VII 16 12 49 27.6–.92 43.14N–.02 77.47E–.02 12–8 60 0-2
KRNET VII 16 12 49 27.7–.10 43.15N 77.47E 16 2.6b **¶621251837**
NNC VII 16 12 49 27.6–.39 43.13N 77.48E 0 2.6,2.3b
SOME VII 16 12 49 28.2 43.12N 77.43E 10 2.6,2.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.0km s-min=1.9km az=179.0.
ISC VII 17 00 08 39.2–1.1 42.86N–.03 77.65E–.02 16–9 72 1-2
KRNET VII 17 00 08 40.5–.10 42.90N 77.63E 23 2.5b **¶621148009**
NNC VII 17 00 08 40.4–.62 42.91N 77.64E 0 2.7,2.3b
SOME VII 17 00 08 41.6 42.90N 77.62E 15 2.7,2.3b
KNET VII 17 00 08 43.4–.27 42.76N 77.47E 18–1 1.7L,2.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=2.1km az=178.0.
KNET Error ellipse: s-maj=2.3km s-min=1.9km az=154.0.
ISC VII 17 20 41 59.6–.95 42.91N–.02 77.86E–.02 12–10 88 0-5
NNC VII 17 20 41 59.6–.46 42.90N 77.89E 2–2 2.9,2.9b **¶621148013**
KRNET VII 17 20 42 00.1–.10 42.90N 77.87E 20 2.6b,2.9b
SOME VII 17 20 42 00.1 42.95N 77.87E 5 2.6b,2.9b
KNET VII 17 20 42 01.8–.61 42.75N 77.72E 12–4 2.1L,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.9km s-min=1.6km az=177.0.
KNET Error ellipse: s-maj=5.1km s-min=3.3km az=136.0.
ISC VII 18 11 45 53.6–.78 42.96N–.02 75.88E–.01 14–5 118 0-6
KRNET VII 18 11 45 52.7–.10 42.95N 75.89E 25 3.2b **¶620833374**
KNET VII 18 11 45 52.9–.39 42.93N 75.87E 21–2 2.4L
NNC VII 18 11 45 52.5–.37 42.95N 75.89E 4–4 3.4b,3.4
SOME VII 18 11 45 53.0 42.95N 75.87E 15 3.4b,3.4
ISC Event type se.
KNET Error ellipse: s-maj=3.0km s-min=1.3km az=31.0.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=2.1km az=166.0.
ISC VII 18 15 42 02.0–.95 43.14N–.02 77.47E–.01 9–9 69 0-2
NNC VII 18 15 42 01.8–.25 43.15N 77.47E 0 2.8,2.6b **¶621251924**
KRNET VII 18 15 42 02.3–.10 43.11N 77.42E 9 2.6b,2.6b
SOME VII 18 15 42 02.2 43.15N 77.45E 10 2.6b,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=1.3km az=174.0.
ISC VII 20 21 40 58.5–1.8 42.75N–.05 79.49E–.06 5–12 34 0-2
KRNET VII 20 21 40 57.5–.10 42.64N 79.65E 21 2.5b **¶621251986**
SOME VII 20 21 40 59.0 42.75N 79.45E 10 2.5b
NNC VII 20 21 40 59.6–.89 42.82N 79.47E 0 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=148.0.
ISC VII 21 14 13 18.8–1.6 42.02N–.05 79.30E–.04 3–10 99 1-7
KRNET VII 21 14 13 19.9–.10 42.03N 79.28E 24 3.6b **¶620842806**
SOME VII 21 14 13 20.3 42.08N 79.25E 10 3.6b
NNC VII 21 14 13 21.1–.92 42.11N 79.29E 0 3.8b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=3.4km az=160.0.
ISC VII 21 16 13 33.6–.90 42.92N–.02 77.90E–.02 12–7 74 0-3
KRNET VII 21 16 13 33.2–.10 42.93N 77.88E 23 2.6b **¶621148029**
NNC VII 21 16 13 33.5–.40 42.94N 77.89E 0 2.7,2.7b
SOME VII 21 16 13 33.6 42.95N 77.88E 10 2.7,2.7b
KNET VII 21 16 13 37.0–.47 42.79N 77.62E 12–3 1.7L,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.6km s-min=1.5km az=172.0.
KNET Error ellipse: s-maj=5.0km s-min=2.9km az=131.0.
ISC VII 23 13 39 01.3–.97 42.82N–.04 78.09E–.03 16–11 26 0-1
KRNET VII 23 13 39 01.6–.10 42.83N 78.03E 30 2.6b **¶621252093**
NNC VII 23 13 39 01.7–3.3 42.77N 78.20E 0 1.9
SOME VII 23 13 39 01.7 42.82N 78.07E 15 1.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=18.2km az=88.0.
KRNET VII 23 14 25 53.1–.10 42.02N 78.00E 9 2.4b
SOME VII 23 14 26 09.7 42.42N 77.50E 10 2.4b **¶622406685**
ISC VII 24 17 28 47.6–.99 43.25N–.02 78.57E–.02 5–9 71 0-4
KRNET VII 24 17 28 47.5–.10 43.23N 78.57E 15 2.8b **¶621252149**
NNC VII 24 17 28 47.3–.27 43.24N 78.61E 0 2.8,2.5b
SOME VII 24 17 28 48.0 43.25N 78.58E 15 2.8,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.0km s-min=1.5km az=177.0.
ISC VII 25 00 55 58.1–.96 42.78N–.03 77.97E–.03 12–9 28 0-3
NNC VII 25 00 55 57.2–3.1 42.75N 77.99E 0 2.8 **¶621252161**
KRNET VII 25 00 55 58.0–.10 42.80N 77.96E 26 2.0b
SOME VII 25 00 55 58.5 42.82N 77.93E 15 2.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.8km s-min=13.0km az=30.0.
ISC VII 31 08 06 46.1–.89 42.79N–.03 76.95E–.03 16–8 39 0-2
KRNET VII 31 08 06 46.3–.10 42.79N 76.95E 18 2.4b **¶621252526**
NNC VII 31 08 06 47.1–1.3 42.81N 76.91E 0 2.6
SOME VII 31 08 06 47.1 42.83N 76.93E 10 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.1km s-min=3.9km az=152.0.
ISC VII 27 01 01 58.9–1.0 42.99N–.02 78.23E–.02 4–9 107 0-3
KRNET VII 27 01 01 59.7–.10 43.03N 78.16E 27 3.4b **¶621148044**
NNC VII 27 01 01 59.0–.41 43.02N 78.25E 0 3.6,3.5b
SOME VII 27 01 01 59.8 43.03N 78.25E 15 3.6,3.5b
KNET VII 27 01 02 02.4–.28 42.92N 77.99E 4–1 2.6L,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.3km s-min=2.0km az=174.0.
KNET Error ellipse: s-maj=3.2km s-min=2.0km az=157.0.
ISC VIII 04 20 34 23.3–.94 43.01N–.04 78.23E–.02 7–9 44 0-3
KRNET VIII 04 20 34 22.1–.10 43.14N 78.20E 18 2.1b **¶622406874**
NNC VIII 04 20 34 23.2–.71 42.95N 78.31E 0 2.7,2.3b
SOME VIII 04 20 34 23.5 43.00N 78.22E 5 2.7,2.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.6km s-min=2.7km az=168.0.
KRNET VII 31 23 06 09.4–.10 43.20N 75.15E 18 2.0b
¶622406804
ISC VIII 03 17 10 38.0–.97 42.41N–.03 78.26E–.03 13–7 72 0-3
KRNET VIII 03 17 10 37.8–.10 42.43N 78.25E 19 2.7b **¶622406858**
NNC VIII 03 17 10 38.4–.70 42.50N 78.25E 0 2.8,2.6b
SOME VIII 03 17 10 38.3 42.42N 78.22E 20 2.8,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.8km s-min=2.1km az=167.0.
ISC VIII 01 06 13 08.0–.90 42.83N–.03 78.15E–.03 17–8 30 0-2
KRNET VIII 01 06 13 07.7–.10 42.84N 78.13E 25 2.4b **¶622406809**
NNC VIII 01 06 13 08.2–1.7 42.84N 78.15E 0 2.5
SOME VIII 01 06 13 08.5 42.82N 78.12E 15 2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=7.0km az=28.0.
ISC VIII 02 10 33 20.8–.91 42.90N–.03 77.78E–.03 16–9 26 0-2
KRNET VIII 02 10 33 20.9–.10 42.89N 77.78E 21 2.3b **¶622406833**
NNC VIII 02 10 33 20.8–1.0 42.93N 77.75E 0 2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=3.7km az=12.0.
ISC VIII 14 22 28 01.5–.91 42.76N–.03 78.07E–.02 16–9 47 0-2
KRNET VIII 14 22 28 01.8–.10 42.76N 78.08E 19 2.5b **¶622409878**
NNC VIII 14 22 28 01.2–.83 42.78N 78.09E 0 2.5,2.5b
SOME VIII 14 22 28 01.6 42.75N 78.07E 15 2.5,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.4km s-min=2.5km az=174.0.
ISC VIII 12 09 08 59.5–1.2 42.77N–.03 78.34E–.03 14–9 34 0-3
KRNET VIII 12 09 08 57.0–.10 42.93N 78.43E 23 2.6b **¶622409840**
SOME VIII 12 09 09 00.5 42.73N 78.27E 10 2.6b
NNC VIII 12 09 09 01.9–1.1 42.80N 78.38E 0 2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.7km s-min=4.5km az=17.0.
ISC VIII 12 09 49 20.5–.91 42.63N–.02 77.97E–.02 15–7 119 0-8
KRNET VIII 12 09 49 19.5–.10 42.63N 77.99E 28 3.5b **¶620984152**
NNC VIII 12 09 49 20.1–.59 42.66N 78.01E 0 4.0b,3.9
SOME VIII 12 09 49 20.1 42.62N 78.00E 15 4.0b,3.9
KNET VIII 12 09 49 23.1–.31 42.65N 77.72E 6–2 3.3L,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=1.8km az=176.0.
KNET Error ellipse: s-maj=4.1km s-min=1.9km az=171.0.
ISC VIII 12 10 41 38.2–.93 43.21N–.03 79.39E–.03 18–4 38 0-4
NNC VIII 12 10 41 34.7–1.4 43.04N 79.46E 0 3.0 **¶622409841**
SOME VIII 12 10 41 35.0 43.07N 79.48E 15 3.0
KRNET VIII 12 10 41 36.6–.10 43.09N 79.69E 35 2.5b
ISC Event type se.

NNC Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=154.0.
ISC VIII 17 03 59 07.8–1.1 43.39N–.04 75.79E–.04 14–8 26 0-2
NNC VIII 17 03 59 09.6–2.5 43.26N 75.61E 0 2.8 **¶622409931**
KRNET VIII 17 03 59 10.2–.10 43.29N 75.76E 18 2.1b
SOME VIII 17 03 59 10.5 43.30N 75.75E 10 2.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.5km s-min=6.9km az=62.0.
ISC VIII 15 06 52 43.1–1.1 43.99N–.03 76.41E–.02 6–10 122 0-7
NNC VIII 15 06 52 44.4–.38 43.97N 76.40E 5–2 3.9b,3.8 **¶620986845**
SOME VIII 15 06 52 44.9 44.00N 76.43E 15 3.9b,3.8
KRNET VIII 15 06 52 45.3–.10 43.92N 76.39E 30 3.7b,3.8
KNET VIII 15 06 52 46.3–.26 43.88N 76.31E 27–1 3.2L,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.7km s-min=1.9km az=161.0.
KNET Error ellipse: s-maj=1.9km s-min=1.3km az=14.0.
ISC VIII 15 13 34 56.7–.92 42.92N–.03 76.83E–.03 14–8 29 0-2
KRNET VIII 15 13 34 56.9–.10 42.92N 76.85E 18 2.2b **¶622409889**
NNC VIII 15 13 34 56.9–.82 42.94N 76.78E 0 2.6
SOME VIII 15 13 34 56.8 42.90N 76.83E 10 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=7.0.
ISC VIII 16 15 36 46.0–.88 43.13N–.02 77.47E–.02 14–7 75 0-5
SOME VIII 16 15 36 45.8 43.12N 77.48E 5 **¶621148110**
NNC VIII 16 15 36 46.2–.57 43.18N 77.47E 0 3.0,2.8b
KRNET VIII 16 15 36 46.2–.10 43.14N 77.46E 15 3.1b,2.8b
KNET VIII 16 15 36 47.9–.34 43.09N 77.35E 16–2 2.1L,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.4km s-min=3.1km az=176.0.
KNET Error ellipse: s-maj=2.8km s-min=2.3km az=119.0.
ISC VIII 16 21 39 20.9–.91 43.12N–.02 77.49E–.02 13–8 80 0-2
NNC VIII 16 21 39 21.2–.18 43.15N 77.47E 2–2 3.1,3.0b **¶621148111**
SOME VIII 16 21 39 21.1 43.13N 77.45E 10 3.1,3.0b
KRNET VIII 16 21 39 22.0–.10 43.05N 77.37E 13 3.1b,3.0b
KNET VIII 16 21 39 22.3–.40 43.09N 77.34E 8–2 2.0L,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.0km s-min=1.3km az=176.0.
KNET Error ellipse: s-maj=3.4km s-min=2.7km az=132.0.
ISC VIII 17 01 27 51.4–.94 43.11N–.03 77.48E–.02 11–8 59 0-3
KRNET VIII 17 01 27 51.5–.10 43.13N 77.47E 18 2.5b **¶621148113**
SOME VIII 17 01 27 51.5 43.08N 77.47E 10 2.5b
KNET VIII 17 01 27 52.9–.24 43.08N 77.35E 9–1 2.1L
ISC Event type se.
KNET Error ellipse: s-maj=2.1km s-min=1.7km az=140.0.
KRNET VIII 17 04 22 29.5–.10 42.01N 78.06E 21 2.3b
¶622409935
ISC VIII 17 22 43 47.4–.94 42.60N–.02 76.04E–.01 11–8 125 0-6
KRNET VIII 17 22 43 46.9–.10 42.60N 76.06E 25 3.5b **¶620996157**
NNC VIII 17 22 43 46.5–.34 42.57N 76.04E 0 3.9,3.7b
KNET VIII 17 22 43 47.1–.43 42.58N 75.95E 2–8 2.4L,3.7b
SOME VIII 17 22 43 47.1 42.60N 76.03E 10 2.4L,3.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.3km s-min=1.3km az=163.0.
KNET Error ellipse: s-maj=5.9km s-min=2.0km az=47.0.
ISC VIII 17 02 00 06.8–1.1 43.19N–.03 77.47E–.01 7–9 89 0-5
SOME VIII 17 02 00 07.8 43.17N 77.47E 10 **¶621148114**
NNC VIII 17 02 00 07.9–.21 43.15N 77.48E 2–2 3.1,3.1b
KRNET VIII 17 02 00 08.1–.10 43.14N 77.46E 19 3.0b,3.1b
KNET VIII 17 02 00 09.9–.49 43.09N 77.34E 15–3 2.2L,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.9km s-min=1.3km az=175.0.
KNET Error ellipse: s-maj=4.0km s-min=3.3km az=110.0.
ISC VIII 22 00 17 19.1–1.0 42.79N–.04 78.25E–.04 26–9 22 0-2
KRNET VIII 22 00 17 20.5–.10 42.73N 78.21E 35 2.2b **¶622410022**
SOME VIII 22 00 17 20.3 42.80N 78.12E 10 2.2b
NNC VIII 22 00 17 20.1–1.8 42.76N 78.28E 0 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=9.1km az=55.0.
ISC VIII 17 19 23 47.6–.98 42.39N–.03 78.17E–.02 11–8 67 0-3
KRNET VIII 17 19 23 47.2–.10 42.37N 78.25E 17 2.9b **¶621148118**
NNC VIII 17 19 23 47.6–.82 42.42N 78.25E 0 3.1,3.0b
SOME VIII 17 19 23 47.9 42.42N 78.22E 10 3.1,3.0b
KNET VIII 17 19 23 49.1–.17 42.35N 78.06E 8–1 2.1L,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.5km s-min=2.4km az=170.0.
KNET Error ellipse: s-maj=2.4km s-min=1.4km az=176.0.
ISC VIII 17 19 32 23.3–.96 42.37N–.03 78.21E–.02 12–8 88 0-3
KRNET VIII 17 19 32 22.8–.10 42.36N 78.26E 18 2.9b **¶621148119**
NNC VIII 17 19 32 23.0–.72 42.40N 78.25E 0 3.4b,3.3
SOME VIII 17 19 32 23.3 42.38N 78.23E 15 3.4b,3.3
KNET VIII 17 19 32 25.8–.44 42.35N 77.99E 8–2 2.2L,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=2.2km az=170.0.
KNET Error ellipse: s-maj=5.7km s-min=3.1km az=169.0.
ISC VIII 20 14 46 21.7–1.1 42.71N–.03 78.19E–.03 14–9 53 0-3
NNC VIII 20 14 46 22.1–.65 42.72N 78.10E 0 2.7,2.6b **¶622409990**
SOME VIII 20 14 46 23.8 42.78N 78.07E 15 2.7,2.6b
KRNET VIII 20 14 46 24.1–.10 42.68N 78.02E 15 2.4b,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=2.4km az=169.0.
ISC VIII 19 01 05 02.1–.90 43.21N–.02 77.59E–.01 14–8 78 0-2
NNC VIII 19 01 05 01.7–.19 43.22N 77.60E 0 2.5,2.2b **¶621148128**
KRNET VIII 19 01 05 02.1–.10 43.21N 77.59E 16 2.3b,2.2b
SOME VIII 19 01 05 02.3 43.20N 77.58E 15 2.3b,2.2b
KNET VIII 19 01 05 03.9–.34 43.18N 77.39E 14–2 1.6L,2.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.5km s-min=1.0km az=173.0.
KNET Error ellipse: s-maj=3.9km s-min=2.3km az=91.0.
ISC VIII 27 10 44 10.8–1.1 42.33N–.03 76.42E–.02 14–10 55 0-3
KRNET VIII 27 10 44 10.8–.10 42.34N 76.40E 29 2.5b **¶622410144**
SOME VIII 27 10 44 11.0 42.27N 76.42E 15 2.5b
NNC VIII 27 10 44 13.7–.53 42.44N 76.44E 0 2.7b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.5km s-min=1.8km az=18.0.
ISC VIII 25 04 08 03.8–.94 43.19N–.02 78.07E–.02 12–8 65 0-3
KRNET VIII 25 04 08 03.7–.10 43.19N 78.07E 21 2.6b **¶622410085**
NNC VIII 25 04 08 03.4–.39 43.21N 78.08E 0 2.9,2.2b
SOME VIII 25 04 08 04.4 43.18N 78.07E 15 2.9,2.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.3km s-min=2.2km az=5.0.
ISC VIII 26 11 57 07.9–.96 42.64N–.02 76.18E–.02 16–8 50 0-3
NNC VIII 26 11 57 07.8–1.5 42.64N 76.21E 3–8 3.0b,2.7 **¶622410121**
KRNET VIII 26 11 57 07.8–.10 42.63N 76.18E 21 2.4b,2.7
SOME VIII 26 11 57 08.1 42.65N 76.18E 15 2.4b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.8km s-min=5.0km az=13.0.
ISC VIII 31 05 29 53.2–1.5 43.03N–.09 76.88E–.04 10 15 0-0
SOME VIII 31 05 29 53.9 43.08N 76.83E 5 **¶625786742**
NNC VIII 31 05 29 54.0–.10 43.09N 76.84E 0 3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=1.2km s-min=0.6km az=160.0.
ISC VIII 27 20 57 44.3–1.0 42.83N–.02 77.02E–.02 6–11 41 0-2
KRNET VIII 27 20 57 44.1–.10 42.84N 77.01E 13 2.4b **¶622410152**
NNC VIII 27 20 57 44.6–1.5 42.85N 76.98E 0 2.8
SOME VIII 27 20 57 45.0 42.87N 77.03E 10 2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.8km s-min=5.5km az=146.0.
ISC VIII 27 21 45 12.4–.83 43.26N–.02 78.56E–.02 14–6 73 0-3
NNC VIII 27 21 45 11.3–.32 43.25N 78.63E 6–3 3.2 **¶622410153**
SOME VIII 27 21 45 12.4 43.27N 78.60E 20 3.2
KRNET VIII 27 21 45 13.5–.10 43.22N 78.48E 35 2.4b
ISC Event type se.

NNC Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=171.0.
ISC VIII 28 15 20 14.4–.97 42.90N–.02 77.05E–.02 6–8 78 0-3
KRNET VIII 28 15 20 14.3–.10 42.91N 77.03E 18 2.7b **¶622410171**
NNC VIII 28 15 20 14.5–.34 42.93N 77.04E 4–3 3.0,2.7b
SOME VIII 28 15 20 14.5 42.88N 77.02E 10 3.0,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.7km s-min=1.7km az=163.0.
ISC VIII 27 13 02 44.0–1.2 43.01N–.06 75.71E–.03 20–1 33 0-2
SOME VIII 27 13 02 46.6 43.08N 75.92E 10 **¶622410146**
KRNET VIII 27 13 02 46.2–.10 42.92N 75.52E 27 1.8b
NNC VIII 27 13 02 47.0–.46 43.14N 75.97E 0 2.8b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.6km s-min=3.1km az=20.0.
ISC VIII 28 08 15 30.4–.96 43.81N–.02 76.92E–.02 13–8 109 0-5
NNC VIII 28 08 15 29.9–.35 43.82N 76.92E 5–3 3.8b,3.7 **¶621148169**
KRNET VIII 28 08 15 30.1–.10 43.82N 76.89E 26 3.5b,3.7
KNET VIII 28 08 15 30.7–.27 43.79N 76.78E 14–1 2.7L,3.7
SOME VIII 28 08 15 30.1 43.85N 76.92E 15 2.7L,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.1km s-min=2.2km az=158.0.
KNET Error ellipse: s-maj=2.0km s-min=1.5km az=46.0.
ISC VIII 28 08 50 34.9–.93 43.01N–.02 77.09E–.02 18–3 55 0-1
KRNET VIII 28 08 50 34.8–.10 43.02N 77.09E 25 2.4b **¶622410161**
NNC VIII 28 08 50 34.9–.39 43.06N 77.05E 14–3 3.5b,2.6
SOME VIII 28 08 50 35.0 43.03N 77.08E 20 3.5b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.8km s-min=2.6km az=157.0.
ISC IX 03 02 11 50.6–2.0 42.36N–.07 79.86E–.06 5–12 28 1-3
NNC IX 03 02 11 49.0–1.1 42.30N 79.82E 0 2.9,2.7b **¶622410277**
KRNET IX 03 02 11 49.6–.10 41.96N 79.99E 35 2.6b,2.7b
SOME IX 03 02 11 50.2 42.28N 79.90E 25 2.6b,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.2km s-min=4.9km az=132.0.
ISC IX 01 02 14 11.0–.96 43.19N–.02 78.32E–.02 6–8 71 0-5
KRNET IX 01 02 14 10.8–.10 43.18N 78.40E 28 2.6b **¶622410243**
NNC IX 01 02 14 10.7–.37 43.20N 78.38E 1–4 3.0b,2.9
SOME IX 01 02 14 11.5 43.17N 78.35E 10 3.0b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=163.0.
ISC IX 02 16 14 28.8–.88 42.89N–.03 77.71E–.02 13–7 43 0-2
NNC IX 02 16 14 28.4–.49 42.88N 77.72E 0 2.6,2.0b **¶622410272**
KRNET IX 02 16 14 28.9–.10 42.89N 77.70E 20 2.4b,2.0b
SOME IX 02 16 14 29.2 42.88N 77.68E 10 2.4b,2.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.3km s-min=1.7km az=3.0.
ISC IX 01 15 18 03.5–.86 42.89N–.03 77.82E–.02 16–7 49 0-2
KRNET IX 01 15 18 03.4–.10 42.90N 77.81E 20 2.4b **¶622410252**
NNC IX 01 15 18 03.4–.51 42.93N 77.80E 0 2.6,2.2b
SOME IX 01 15 18 03.8 42.90N 77.78E 10 2.6,2.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.3km s-min=1.9km az=171.0.
ISC IX 05 12 35 45.0–.90 42.91N–.03 77.25E–.03 17–9 25 0-1
KRNET IX 05 12 35 44.9–.10 42.93N 77.27E 27 2.1b **¶622410334**
SOME IX 05 12 35 45.6 42.93N 77.28E 15 2.1b
NNC IX 05 12 35 45.5–.68 43.20N 76.64E 0 2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.2km s-min=2.0km az=56.0.
ISC IX 05 20 48 12.8–1.2 42.83N–.03 78.60E–.02 4–10 57 0-3
NNC IX 05 20 48 12.8–.56 42.84N 78.63E 0–2 3.2b,2.9 **¶622410350**
SOME IX 05 20 48 13.7 42.87N 78.58E 10 3.2b,2.9
KRNET IX 05 20 48 13.1–.10 42.86N 78.63E 30 2.6b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=2.2km az=169.0.
ISC IX 06 14 48 48.3–.87 42.92N–.03 77.78E–.02 16–7 50 0-2
NNC IX 06 14 48 48.3–.60 42.96N 77.78E 0 2.6,2.5b **¶622410377**
KRNET IX 06 14 48 48.4–.10 42.93N 77.78E 19 2.3b,2.5b
SOME IX 06 14 48 49.1 42.93N 77.75E 15 2.3b,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.0km s-min=2.1km az=179.0.
ISC IX 06 18 37 21.0–1.6 42.52N–.05 79.31E–.04 9–11 47 1-2
NNC IX 06 18 37 21.6–1.2 42.54N 79.31E 0 2.6 **¶622410380**
SOME IX 06 18 37 21.5 42.52N 79.27E 10 2.6
KRNET IX 06 18 37 21.7–.10 42.53N 79.27E 15 2.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=4.3km az=166.0.
ISC IX 07 07 36 54.8–1.2 43.43N–.04 79.24E–.02 1–15 20 0-2
NNC IX 07 07 36 54.5–1.3 43.46N 79.21E 0 3.6b,2.6 **¶624940059**
SOME IX 07 07 36 54.7 43.35N 79.18E 15 3.6b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=6.1km az=19.0.
ISC IX 10 05 50 11.5–1.0 43.26N–.02 78.72E–.02 4–9 53 0-2
KRNET IX 10 05 50 11.5–.10 43.25N 78.74E 18 2.9b **¶622410458**
NNC IX 10 05 50 11.2–.37 43.25N 78.74E 0 3.1b,3.0
SOME IX 10 05 50 12.0 43.25N 78.73E 10 3.1b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.0km s-min=2.3km az=10.0.
ISC IX 08 06 30 21.1–.75 43.22N–.02 78.20E–.02 10 59 0-2
NNC IX 08 06 30 20.3–.30 43.22N 78.25E 0 2.7,2.5b **¶622410410**
KRNET IX 08 06 30 20.6–.10 43.20N 78.26E 20 2.6b,2.5b
SOME IX 08 06 30 20.9 43.20N 78.22E 15 2.6b,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.8km s-min=1.9km az=175.0.
ISC IX 11 04 40 22.9–.86 42.13N–.02 76.26E–.02 11–6 102 0-4
KRNET IX 11 04 40 22.8–.10 42.14N 76.26E 21 3.2b **¶622410477**
NNC IX 11 04 40 22.4–.75 42.16N 76.27E 0 3.5b,3.5
KNET IX 11 04 40 23.7–.53 42.19N 76.16E 10–4 2.3L,3.5
SOME IX 11 04 40 23.3 42.13N 76.27E 10 2.3L,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.3km s-min=2.6km az=170.0.
KNET Error ellipse: s-maj=6.5km s-min=3.5km az=76.0.
ISC IX 14 01 47 35.3–.82 43.18N–.02 78.36E–.02 13–6 69 0-7
KRNET IX 14 01 47 35.5–.10 43.17N 78.37E 16 3.0b **¶622410555**
NNC IX 14 01 47 35.3–.29 43.19N 78.36E 3–3 3.1,3.1b
SOME IX 14 01 47 36.4 43.20N 78.37E 20 3.1,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=162.0.
ISC IX 13 00 13 56.0–1.1 43.16N–.02 78.22E–.02 4–9 49 0-2
NNC IX 13 00 13 56.0–.67 43.15N 78.36E 6–6 2.8b,2.5 **¶622410527**
SOME IX 13 00 13 56.9 43.17N 78.27E 5 2.8b,2.5
KRNET IX 13 00 13 59.1–.10 43.06N 78.23E 35 2.3b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.6km s-min=3.5km az=175.0.
ISC IX 16 05 26 00.5–1.1 42.41N–.04 78.26E–.04 14–12 29 0-2
KRNET IX 16 05 26 00.9–.10 42.40N 78.27E 21 2.7b **¶622410617**
SOME IX 16 05 26 01.1 42.43N 78.20E 15 2.7b
NNC IX 16 05 26 03.9–1.1 42.53N 78.33E 0 3.0b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.2km s-min=6.2km az=98.0.
ISC IX 14 14 45 57.9–.96 42.95N–.03 78.56E–.03 11–7 40 0-2
NNC IX 14 14 45 58.2–1.0 42.94N 78.56E 1–4 3.1b,2.9 **¶622410568**
SOME IX 14 14 45 59.5 42.93N 78.53E 15 3.1b,2.9
KRNET IX 14 14 46 00.5–.10 42.89N 78.45E 22 2.6b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=3.1km az=2.0.
ISC IX 16 05 58 26.2–.89 42.94N–.03 78.20E–.02 13–7 55 0-2
NNC IX 16 05 58 25.5–.69 42.90N 78.23E 2–3 2.8,2.3b **¶622410621**
KRNET IX 16 05 58 26.3–.10 42.97N 78.18E 30 2.7b,2.3b
SOME IX 16 05 58 26.9 42.95N 78.17E 15 2.7b,2.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=2.6km az=171.0.
ISC IX 16 06 31 09.6–1.1 42.15N–.02 76.53E–.01 3–9 127 0-7

KRNET IX 16 06 31 10.0–.10 42.18N 76.54E 19 3.6b **¶621079072**
SOME IX 16 06 31 10.7 42.20N 76.57E 10 3.6b
NNC IX 16 06 31 10.8–.58 42.22N 76.49E 0–4 3.8b,3.7
KNET IX 16 06 31 12.8–.39 42.26N 76.31E 13–1 2.8L,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=2.2km az=170.0.
KNET Error ellipse: s-maj=3.3km s-min=2.3km az=85.0.
KRNET IX 16 00 17 09.5–.10 42.15N 76.73E 11 2.0b
SOME IX 16 00 17 02.2 42.38N 81.07E 5 2.0b **¶622410614**
ISC IX 18 12 07 35.7–.84 43.18N–.03 78.38E–.02 15–6 42 0-2
SOME IX 18 12 07 35.8 43.23N 78.38E 10 **¶622410699**
KRNET IX 18 12 07 35.5–.10 43.16N 78.37E 20 2.6b
NNC IX 18 12 07 35.6–.66 43.21N 78.39E 0 2.8,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=3.9km az=176.0.
ISC IX 16 22 07 34.1–1.0 42.90N–.03 78.58E–.02 18–3 100 0-8
NNC IX 16 22 07 34.4–.36 42.94N 78.57E 8–3 3.9b,3.6 **¶621080884**
KRNET IX 16 22 07 34.1–.10 42.98N 78.52E 35 3.2b,3.6
SOME IX 16 22 07 34.8 42.93N 78.55E 15 3.2b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=1.7km az=174.0.
ISC IX 16 16 41 14.2–.86 42.91N–.03 76.70E–.02 15–7 47 0-2
KRNET IX 16 16 41 14.2–.10 42.91N 76.71E 20 2.3b **¶622410635**
SOME IX 16 16 41 14.5 42.92N 76.70E 15 2.3b
NNC IX 16 16 41 14.1–.82 42.88N 76.71E 0 2.5,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.6km s-min=2.9km az=2.0.
SOME IX 24 17 22 00.4 43.22N 78.58E 10
NNC IX 24 17 22 00.6–.13 43.21N 78.60E 0 2.1 **¶622410881**
NNC Event type se. Error ellipse: s-maj=1.2km s-min=0.8km az=130.0.
ISC IX 21 06 53 46.2–2.0 42.87N–.05 79.69E–.07 2–11 45 0-3
KRNET IX 21 06 53 44.1–.10 42.72N 79.91E 19 3.0b **¶622410787**
NNC IX 21 06 53 46.0–1.2 42.87N 79.74E 0 3.5b,3.0
SOME IX 21 06 53 46.3 42.80N 79.70E 5 3.5b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=118.0.
ISC IX 19 18 47 22.4–.96 43.05N–.03 78.20E–.02 15–10 51 0-2
NNC IX 19 18 47 22.7–.65 43.11N 78.20E 0 2.5,2.4b **¶622410737**
KRNET IX 19 18 47 22.6–.10 43.03N 78.21E 23 2.1b,2.4b
SOME IX 19 18 47 23.3 43.07N 78.20E 15 2.1b,2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=3.2km az=174.0.
ISC IX 18 22 38 19.2–1.3 42.70N–.03 79.20E–.03 3–10 69 0-5
KRNET IX 18 22 38 19.8–.10 42.76N 79.16E 27 2.6b **¶622410710**
NNC IX 18 22 38 20.4–.39 42.77N 79.17E 0–2 3.0,2.8b
SOME IX 18 22 38 20.0 42.73N 79.15E 15 3.0,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.9km s-min=2.1km az=2.0.
ISC IX 21 19 25 04.7–.90 42.87N–.02 75.95E–.01 14–7 80 0-6
NNC IX 21 19 25 04.7–.66 42.87N 75.97E 1–4 3.2b,3.1 **¶622410803**
KRNET IX 21 19 25 04.6–.10 42.90N 75.96E 29 2.9b,3.1
SOME IX 21 19 25 05.0 42.87N 75.97E 15 2.9b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.3km s-min=3.3km az=176.0.
ISC IX 22 05 59 02.8–2.2 42.02N–.07 79.43E–.07 6–11 39 1-3
KRNET IX 22 05 59 03.9–.10 42.07N 79.40E 14 3.2b **¶622410820**
SOME IX 22 05 59 04.0 42.05N 79.43E 10 3.2b
NNC IX 22 05 59 05.1–.87 42.07N 79.35E 0 2.9b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.5km s-min=4.4km az=135.0.
ISC IX 23 00 19 59.4–1.1 43.18N–.05 78.43E–.04 13–6 22 0-2
NNC IX 23 00 20 01.0–.10 43.16N 78.43E 0 2.5 **¶622410840**
KRNET IX 23 00 20 01.6–.10 43.07N 78.45E 28 2.5b
SOME IX 23 00 20 01.0 43.15N 78.42E 5 2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=1.1km s-min=0.5km az=117.0.
ISC IX 25 08 48 31.0–1.6 42.04N–.05 78.88E–.04 3–10 62 1-8
KRNET IX 25 08 48 31.9–.10 42.04N 78.81E 24 3.0b **¶622410905**
NNC IX 25 08 48 32.7–.88 42.16N 78.87E 0 3.4b,3.4
SOME IX 25 08 48 32.3 42.12N 78.90E 25 3.4b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.9km s-min=3.2km az=153.0.
ISC IX 24 11 47 17.4–2.4 42.05N–.07 79.24E–.07 11–13 36 1-3
SOME IX 24 11 47 15.8 42.02N 79.27E 10 **¶622410878**
NNC IX 24 11 47 16.8–1.3 42.03N 79.26E 0 2.6b,2.6
KRNET IX 24 11 47 19.1–.10 42.02N 79.14E 16 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.3km s-min=6.2km az=138.0.
ISC IX 28 16 24 27.0–1.0 42.84N–.02 78.09E–.02 9–9 77 0-5
NNC IX 28 16 24 26.8–.57 42.85N 78.10E 0–3 3.0,2.8b **¶622410994**
KRNET IX 28 16 24 27.8–.10 42.86N 78.03E 25 2.5b,2.8b
SOME IX 28 16 24 27.6 42.85N 78.05E 15 2.5b,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.9km s-min=1.9km az=169.0.
ISC IX 27 14 09 25.2–2.0 42.37N–.06 79.02E–.08 12–11 20 0-3
KRNET IX 27 14 09 26.9–.10 42.34N 78.91E 13 2.6b **¶622410963**
SOME IX 27 14 09 27.4 42.40N 78.90E 15 2.6b
NNC IX 27 14 09 27.8–8.9 43.78N 78.47E 0 2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=53.9km s-min=48.6km az=16.0.
ISC IX 28 21 44 35.2–.87 43.12N–.03 77.42E–.02 14–7 45 0-2
KRNET IX 28 21 44 35.3–.10 43.11N 77.43E 18 2.5b **¶622411006**
NNC IX 28 21 44 35.3–.14 43.13N 77.44E 0 2.6
SOME IX 28 21 44 35.4 43.12N 77.42E 10 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=1.9km s-min=0.7km az=178.0.
ISC X 03 08 23 57.4–.93 43.03N–.03 76.44E–.01 12–8 69 0-4
NNC X 03 08 23 57.3–.35 43.06N 76.44E 1–2 2.9b,2.8 **¶622411114**
KRNET X 03 08 23 57.4–.10 43.03N 76.45E 19 2.8b,2.8
SOME X 03 08 23 57.7 43.02N 76.43E 10 2.8b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.3km s-min=1.8km az=172.0.
ISC X 02 02 14 32.7–.93 43.03N–.02 76.44E–.01 10–8 100 0-6
NNC X 02 02 14 32.5–.38 43.06N 76.43E 0–2 3.2b,3.0 **¶622411086**
KRNET X 02 02 14 32.4–.10 43.04N 76.44E 19 3.1b,3.0
SOME X 02 02 14 32.8 43.07N 76.45E 20 3.1b,3.0
KNET X 02 02 14 33.9–.41 42.95N 76.32E 12–2 1.9L,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.2km s-min=1.8km az=0.0.
KNET Error ellipse: s-maj=3.1km s-min=2.0km az=60.0.
ISC X 04 10 21 04.9–.78 42.97N–.02 76.95E–.02 14–5 96 0-5
NNC X 04 10 21 04.9–.48 42.97N 76.97E 5–2 3.4,3.1b **¶622411134**
KRNET X 04 10 21 04.7–.10 42.99N 76.94E 21 3.6b,3.1b
SOME X 04 10 21 05.3 43.00N 77.00E 10 3.6b,3.1b
KNET X 04 10 21 06.5–.43 42.96N 76.73E 9–2 2.3L,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.6km s-min=2.3km az=168.0.
KNET Error ellipse: s-maj=2.9km s-min=2.2km az=69.0.
ISC X 07 00 09 32.9–.89 42.85N–.02 75.00E–.02 9–7 98 0-4
KRNET X 07 00 09 32.6–.10 42.85N 75.01E 16 3.5b **¶622411200**
KNET X 07 00 09 32.0–.26 42.84N 74.99E 13–4 2.2L
SOME X 07 00 09 32.9 42.88N 75.07E 15 2.2L
NNC X 07 00 09 33.2–.72 42.88N 75.04E 0 3.7b,3.4
ISC Event type se.
KNET Error ellipse: s-maj=1.8km s-min=1.3km az=1.0.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=4.3km az=169.0.
ISC X 05 11 00 14.5–.89 43.37N–.02 75.97E–.02 14–8 71 0-2
KRNET X 05 11 00 14.3–.10 43.37N 75.97E 19 2.7b **¶622411171**
NNC X 05 11 00 14.7–.36 43.38N 76.01E 0 2.6,2.5b
SOME X 05 11 00 14.6 43.37N 75.97E 15 2.6,2.5b
KNET X 05 11 00 15.7–.58 43.28N 75.94E 19–2 1.6L,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.8km s-min=2.1km az=57.0.
KNET Error ellipse: s-maj=3.8km s-min=2.3km az=21.0.
ISC X 04 11 36 34.6–.81 43.37N–.02 78.51E–.03 16–6 60 0-3
NNC X 04 11 36 33.7–.49 43.37N 78.52E 7–5 3.7b,3.1 **¶622411137**
KRNET X 04 11 36 34.6–.10 43.34N 78.50E 20 2.9b,3.1
SOME X 04 11 36 34.8 43.38N 78.48E 15 2.9b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.6km s-min=3.6km az=161.0.
ISC X 07 01 08 08.5–.83 43.01N–.03 78.42E–.02 15–5 63 0-2
NNC X 07 01 08 10.0–.41 43.11N 78.36E 0 3.1b,2.9 **¶622411201**
KRNET X 07 01 08 09.9–.10 43.03N 78.35E 30 2.6b,2.9
SOME X 07 01 08 09.7 43.05N 78.35E 15 2.6b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.4km s-min=2.6km az=175.0.
ISC X 12 00 04 12.5–1.0 42.44N–.03 78.49E–.03 9–6 96 0-6
KRNET X 12 00 04 12.1–.10 42.46N 78.49E 20 3.3b **¶622411316**
NNC X 12 00 04 13.5–.59 42.53N 78.46E 0 3.5,3.4b
SOME X 12 00 04 13.2 42.48N 78.50E 15 3.5,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.3km s-min=1.9km az=159.0.
SOME X 08 16 30 02.2 43.37N 78.38E 10
¶625829702
ISC X 09 13 13 33.5–.91 43.11N–.03 78.09E–.02 16–9 43 0-2
NNC X 09 13 13 33.1–.43 43.16N 78.10E 3–6 2.9,2.6b **¶622411266**
KRNET X 09 13 13 33.7–.10 43.09N 78.09E 21 2.6b,2.6b
SOME X 09 13 13 34.2 43.07N 78.03E 10 2.6b,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=2.3km az=178.0.
ISC X 12 00 28 05.0–1.2 42.42N–.05 78.53E–.05 16–7 33 0-2
KRNET X 12 00 28 06.9–.10 42.43N 78.42E 18 2.6b **¶622411318**
SOME X 12 00 28 06.9 42.47N 78.48E 20 2.6b
NNC X 12 00 28 07.3–1.9 42.52N 78.61E 0 2.4,1.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.1km s-min=7.9km az=5.0.
ISC X 12 17 40 16.2–.89 42.92N–.03 78.24E–.02 12–7 50 0-2
NNC X 12 17 40 15.7–.97 42.90N 78.26E 0 2.9,2.8b **¶622411333**
KRNET X 12 17 40 17.0–.10 42.93N 78.15E 28 2.6b,2.8b
SOME X 12 17 40 17.0 42.97N 78.20E 10 2.6b,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=3.4km az=174.0.
ISC X 18 16 42 16.9–1.5 42.51N–.04 78.92E–.03 6–10 76 0-5
NNC X 18 16 42 17.9–.60 42.56N 78.89E 0 3.3b,3.0 **¶622411496**
KRNET X 18 16 42 17.1–.10 42.53N 78.92E 19 3.1b,3.0
SOME X 18 16 42 17.9 42.50N 78.87E 20 3.1b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.2km s-min=2.1km az=152.0.
ISC X 16 06 51 32.7–.84 42.58N–.02 76.01E–.02 17–6 53 0-2
KRNET X 16 06 51 32.6–.10 42.58N 76.01E 21 2.8b **¶622411444**
SOME X 16 06 51 32.8 42.60N 76.05E 15 2.8b
NNC X 16 06 51 33.0–1.4 42.62N 76.07E 0 2.8
KNET X 16 06 51 33.2–.56 42.53N 75.95E 12–5 1.3L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.1km s-min=4.1km az=23.0.
KNET Error ellipse: s-maj=6.2km s-min=2.7km az=50.0.
ISC X 20 01 04 59.1–.89 42.87N–.02 77.51E–.01 9–7 137 0-11
KRNET X 20 01 04 58.4–.10 42.90N 77.51E 21 3.7b **¶621221481**
NNC X 20 01 04 59.5–.43 42.92N 77.54E 0 3.8b,3.8
SOME X 20 01 04 59.6 42.88N 77.47E 20 3.8b,3.8
KNET X 20 01 05 01.5–.67 42.81N 77.40E 21–3 3.5L,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.9km s-min=1.5km az=0.0.
KNET Error ellipse: s-maj=5.7km s-min=3.6km az=9.0.
ISC X 18 13 40 30.6–.81 43.14N–.03 78.31E–.02 15–6 71 0-3
NNC X 18 13 40 30.9–.46 43.13N 78.34E 3–5 2.9b,2.8 **¶622411494**
KRNET X 18 13 40 30.8–.10 43.16N 78.30E 30 2.8b,2.8
SOME X 18 13 40 31.3 43.12N 78.30E 5 2.8b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.7km s-min=2.9km az=165.0.
ISC X 21 16 50 40.5–.96 43.16N–.03 76.70E–.02 14–8 44 0-2
SOME X 21 16 50 40.8 43.13N 76.68E 15 **¶622411588**
NNC X 21 16 50 41.3–.33 43.17N 76.68E 0 2.6
KRNET X 21 16 50 41.1–.10 43.12N 76.70E 20 2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.0km s-min=1.9km az=7.0.
ISC X 20 09 03 02.1–.88 42.85N–.03 77.87E–.02 16–8 60 0-2
NNC X 20 09 03 02.3–1.0 42.87N 77.87E 0 2.7,2.6b **¶622411545**
KRNET X 20 09 03 02.3–.10 42.85N 77.89E 19 2.5b,2.6b
SOME X 20 09 03 03.2 42.88N 77.88E 15 2.5b,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=3.0km az=173.0.
ISC X 20 13 44 13.5–.89 43.18N–.02 78.38E–.02 13–7 70 0-2
NNC X 20 13 44 13.5–.47 43.18N 78.39E 1–5 2.6b,2.5 **¶622411553**
KRNET X 20 13 44 13.8–.10 43.19N 78.37E 19 2.3b,2.5
SOME X 20 13 44 14.6 43.17N 78.37E 15 2.3b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=2.9km az=158.0.
ISC X 20 16 15 55.0–1.3 43.08N–.04 79.64E–.06 10 62 0-3
SOME X 20 16 15 54.9 43.07N 79.57E 15 **¶622411557**
NNC X 20 16 15 55.5–.98 43.14N 79.52E 0 3.2,2.9b
KRNET X 20 16 15 55.9–.10 43.11N 79.51E 22 2.7b,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.9km s-min=3.2km az=137.0.
ISC XI 01 09 22 08.0–.78 43.13N–.02 76.81E–.02 15–4 76 0-2
SOME XI 01 09 22 07.9 43.13N 76.80E 15 **¶622411842**
KRNET XI 01 09 22 07.7–.10 43.13N 76.81E 24 2.8b
NNC XI 01 09 22 07.6–.29 43.14N 76.78E 5–2 2.8,2.8b
KNET XI 01 09 22 08.9–.66 43.07N 76.74E 33–3 1.6L,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.8km s-min=1.6km az=174.0.
KNET Error ellipse: s-maj=5.1km s-min=3.4km az=48.0.
ISC X 24 21 33 50.6–.89 42.80N–.02 77.54E–.01 8–7 102 0-5
NNC X 24 21 33 50.5–.45 42.83N 77.54E 0 3.3,3.2b **¶622411664**
KRNET X 24 21 33 50.1–.10 42.80N 77.53E 20 3.3b,3.2b
SOME X 24 21 33 50.4 42.82N 77.52E 5 3.3b,3.2b
KNET X 24 21 33 53.3–.22 42.75N 77.32E 11–1 2.5L,3.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.0km s-min=1.6km az=0.0.
KNET Error ellipse: s-maj=3.1km s-min=1.4km az=158.0.
ISC X 23 13 01 50.3–1.0 43.30N–.03 75.02E–.02 9–10 55 0-3
KRNET X 23 13 01 50.2–.10 43.29N 75.04E 12 2.6b **¶622411636**
SOME X 23 13 01 51.0 43.30N 75.02E 15 2.6b
NNC X 23 13 01 52.1–1.3 43.33N 75.14E 0 3.3b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=77.0.
ISC X 23 13 02 33.9–.89 43.27N–.02 75.05E–.02 17–8 84 0-3
KRNET X 23 13 02 33.8–.10 43.28N 75.05E 15 3.0b **¶622411639**
KNET X 23 13 02 33.6–.44 43.25N 75.06E 17–2 1.8L
NNC X 23 13 02 33.6–.39 43.27N 75.06E 0 2.8,2.7b
SOME X 23 13 02 34.2 43.28N 75.05E 15 2.8,2.7b
ISC Event type se.
KNET Error ellipse: s-maj=3.3km s-min=1.6km az=3.0.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=1.3km az=143.0.
ISC X 24 01 42 46.4–1.1 42.84N–.04 78.65E–.03 9–10 33 0-2
KRNET X 24 01 42 46.4–.10 42.72N 78.88E 28 2.2b **¶622411645**
SOME X 24 01 42 46.8 42.87N 78.62E 10 2.2b
NNC X 24 01 42 47.1–.77 42.87N 78.64E 0 2.9b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.3km s-min=2.6km az=171.0.
ISC X 25 23 53 23.0–.85 43.20N–.02 78.61E–.02 16–6 63 0-2
KRNET X 25 23 53 21.8–.10 43.30N 78.56E 29 2.1b **¶622411679**

NNC X 25 23 53 23.1–.44 43.20N 78.61E 2–4 2.8b,2.5
SOME X 25 23 53 23.6 43.17N 78.62E 15 2.8b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=2.4km az=165.0.
ISC X 27 19 52 07.7–.84 43.01N–.03 78.53E–.02 17–5 78 0-6
KRNET X 27 19 52 06.9–.10 43.10N 78.51E 35 3.0b ¶622411718
NNC X 27 19 52 07.4–.58 43.00N 78.57E 2–3 3.0,2.9b
SOME X 27 19 52 08.4 43.00N 78.53E 10 3.0,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=2.2km az=169.0.
KRNET X 29 07 57 10.5–.10 42.56N 75.29E 27 2.1b
¶635736573
ISC X 24 15 57 14.3–.89 42.45N–.03 78.29E–.02 18–6 103 0-6
KRNET X 24 15 57 13.8–.10 42.42N 78.28E 20 3.4b ¶621238299
NNC X 24 15 57 14.6–.67 42.46N 78.26E 0 3.8b,3.7
SOME X 24 15 57 14.6 42.42N 78.20E 15 3.8b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=2.0km az=164.0.
ISC X 26 10 43 30.9–.89 43.00N–.02 76.27E–.01 18–7 72 0-3
KRNET X 26 10 43 31.3–.10 42.98N 76.26E 21 2.2b ¶622411689
SOME X 26 10 43 31.7 43.02N 76.27E 15 2.2b
NNC X 26 10 43 32.1–.35 43.03N 76.28E 0 3.1b,2.5
KNET X 26 10 43 33.5–.40 42.84N 76.10E 18–1 1.0L,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.6km s-min=1.5km az=6.0.
KNET Error ellipse: s-maj=3.9km s-min=0.7km az=46.0.
ISC XI 02 18 57 04.5–1.0 42.91N–.02 76.97E–.02 4–9 55 0-2
SOME XI 02 18 57 04.9 42.92N 76.95E 5 ¶622411867
KRNET XI 02 18 57 04.6–.10 42.93N 76.98E 18 2.4b
NNC XI 02 18 57 04.5–.95 42.90N 76.95E 0 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=178.0.
ISC XI 02 05 07 42.6–.93 42.90N–.03 77.17E–.02 11–8 33 0-2
KRNET XI 02 05 07 42.7–.10 42.89N 77.17E 10 2.5b ¶622411861
NNC XI 02 05 07 42.6–.66 42.90N 77.18E 0 2.8
SOME XI 02 05 07 42.9 42.88N 77.18E 10 2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=2.7km az=14.0.
ISC XI 06 14 09 11.9–.89 42.90N–.03 78.24E–.02 15–7 54 0-3
NNC XI 06 14 09 10.9–.85 42.85N 78.27E 0–4 2.7,2.6b ¶622411965
SOME XI 06 14 09 11.8 42.90N 78.23E 10 2.7,2.6b
KRNET XI 06 14 09 11.7–.10 42.94N 78.25E 30 2.5b,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.9km s-min=2.7km az=169.0.
SOME XI 03 03 37 20.3 43.57N 79.30E 15
¶626535721
ISC XI 06 03 21 59.6–.96 43.16N–.03 77.28E–.02 6–8 47 0-2
NNC XI 06 03 21 59.4–.42 43.17N 77.23E 6–5 2.6,2.6b ¶622411955
SOME XI 06 03 21 59.9 43.15N 77.28E 5 2.6,2.6b
KRNET XI 06 03 21 59.0–.10 43.20N 77.27E 20 2.3b,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.0km s-min=5.1km az=111.0.
ISC XI 10 23 46 19.9–.81 43.06N–.02 76.87E–.02 11–5 74 0-2
NNC XI 10 23 46 19.9–.26 43.07N 76.87E 6–1 2.6b,2.5 ¶622412108
KRNET XI 10 23 46 20.1–.10 43.06N 76.89E 20 2.4b,2.5
SOME XI 10 23 46 20.2 43.07N 76.87E 10 2.4b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.1km s-min=1.5km az=0.0.
ISC XI 07 10 27 04.5–1.0 42.93N–.03 78.87E–.02 15–9 72 0-5
SOME XI 07 10 27 04.7 42.90N 78.87E 15 ¶622411981
KRNET XI 07 10 27 04.1–.10 42.95N 78.86E 29 3.2b
NNC XI 07 10 27 04.8–.46 42.94N 78.86E 0 3.2,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.7km s-min=2.4km az=175.0.
ISC XI 09 13 08 15.4–.91 43.31N–.02 78.71E–.02 7–7 74 0-4
NNC XI 09 13 08 15.1–.36 43.32N 78.73E 1–3 3.0b,2.8 ¶622412066
SOME XI 09 13 08 15.7 43.30N 78.68E 10 3.0b,2.8
KRNET XI 09 13 08 15.0–.10 43.31N 78.72E 18 2.4b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.0km s-min=2.1km az=2.0.
ISC XI 10 00 12 00.1–.84 43.04N–.03 78.50E–.02 11–5 71 0-3
KRNET XI 10 00 11 59.1–.10 43.10N 78.54E 30 2.5b ¶622412082
NNC XI 10 00 12 00.0–.46 43.04N 78.57E 0 3.0,2.7b
SOME XI 10 00 12 00.3 43.02N 78.57E 15 3.0,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.6km s-min=2.1km az=174.0.
ISC XI 09 07 34 10.4–.93 42.91N–.03 78.17E–.02 14–7 101 0-6
NNC XI 09 07 34 10.7–.41 42.91N 78.24E 2–2 3.5b,3.3 ¶622412059
KRNET XI 09 07 34 10.3–.10 42.91N 78.20E 35 3.0b,3.3
SOME XI 09 07 34 11.1 42.92N 78.25E 15 3.0b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.0km s-min=1.9km az=170.0.
ISC XI 11 02 27 47.6–.89 43.01N–.03 78.31E–.03 7–6 42 0-2
KRNET XI 11 02 27 47.5–.10 43.00N 78.34E 16 2.5b ¶622412113
NNC XI 11 02 27 47.4–1.5 42.99N 78.35E 0 2.7
SOME XI 11 02 27 48.2 43.00N 78.35E 15 2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.3km s-min=5.3km az=28.0.
ISC XI 13 11 44 56.5–.93 42.97N–.03 78.05E–.02 16–8 59 0-3
NNC XI 13 11 44 56.4–.87 42.95N 78.07E 2–4 3.3,2.3b ¶622412194
KRNET XI 13 11 44 56.4–.10 43.00N 78.00E 25 2.6b,2.3b
SOME XI 13 11 44 57.3 42.97N 78.05E 15 2.6b,2.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=3.2km az=176.0.
ISC XI 11 22 56 01.4–.91 42.55N–.03 78.48E–.03 13–5 48 0-2
SOME XI 11 22 56 00.8 42.50N 78.52E 15 ¶622412142
NNC XI 11 22 56 00.8–.82 42.56N 78.51E 0 2.8,2.0b
KRNET XI 11 22 56 00.7–.10 42.54N 78.50E 21 2.7b,2.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.9km s-min=3.2km az=177.0.
ISC XI 11 10 41 42.9–.83 43.17N–.03 78.38E–.02 13–6 46 0-2
KRNET XI 11 10 41 42.6–.10 43.14N 78.43E 24 2.7b ¶622412125
SOME XI 11 10 41 42.8 43.15N 78.40E 15 2.7b
NNC XI 11 10 41 43.0–.78 43.20N 78.46E 0 2.8,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.9km s-min=4.6km az=13.0.
ISC XI 17 08 49 29.1–1.1 43.96N–.04 78.87E–.05 10 10 0-1
NNC XI 17 08 49 29.9–.54 43.94N 78.90E 0 2.9 ¶624927264
SOME XI 17 08 49 30.2 43.93N 78.92E 5 2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=79.0.
ISC XI 13 06 23 58.7–.88 42.97N–.02 78.27E–.02 11–7 51 0-2
KRNET XI 13 06 23 58.4–.10 43.04N 78.23E 30 2.3b ¶622412187
NNC XI 13 06 23 58.6–.65 42.97N 78.27E 0 2.8,2.2b
SOME XI 13 06 23 59.0 42.97N 78.30E 5 2.8,2.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=2.7km az=2.0.
ISC XI 18 01 04 53.5–.88 42.88N–.03 77.51E–.02 12–7 63 0-2
NNC XI 18 01 04 53.3–.50 42.89N 77.51E 0 2.6,2.2b ¶622412366
KRNET XI 18 01 04 53.5–.10 42.89N 77.51E 16 2.5b,2.2b
SOME XI 18 01 04 54.2 42.88N 77.52E 10 2.5b,2.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.8km s-min=1.7km az=5.0.
ISC XI 20 18 48 11.1–1.0 43.26N–.02 78.19E–.02 5–9 75 0-3
NNC XI 20 18 48 10.7–.30 43.27N 78.21E 3–3 3.3b,3.0 ¶622412451
SOME XI 20 18 48 11.3 43.28N 78.15E 15 3.3b,3.0
KRNET XI 20 18 48 11.2–.10 43.24N 78.21E 23 2.8b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.4km s-min=2.1km az=172.0.
ISC XI 18 15 29 11.1–1.1 43.11N–.06 76.64E–.07 16–16 21 0-1
NNC XI 18 15 29 11.2–.68 43.17N 76.62E 0 2.5 ¶622412394
SOME XI 18 15 29 11.4 43.08N 76.62E 10 2.5
KRNET XI 18 15 29 11.2–.10 43.11N 76.66E 21 2.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.0km s-min=3.4km az=104.0.
ISC XI 19 10 21 54.1–.84 42.20N–.03 76.30E–.02 16–5 91 0-7
SOME XI 19 10 21 53.9 42.22N 76.35E 15 ¶622412416
NNC XI 19 10 21 54.2–.62 42.24N 76.28E 0 3.5b,3.4
KRNET XI 19 10 21 54.1–.10 42.19N 76.32E 17 3.1b,3.4
KNET XI 19 10 21 55.4–.37 42.26N 76.18E 10–2 2.3L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=2.2km az=163.0.
KNET Error ellipse: s-maj=4.7km s-min=2.8km az=43.0.
ISC XI 22 01 45 01.8–.90 43.20N–.02 78.67E–.02 12–7 61 0-3
NNC XI 22 01 45 01.6–.47 43.20N 78.69E 0–4 3.1,2.8b ¶622412495
KRNET XI 22 01 45 01.9–.10 43.23N 78.70E 17 2.8b,2.8b
SOME XI 22 01 45 02.7 43.18N 78.67E 15 2.8b,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.2km s-min=2.4km az=166.0.
ISC XI 23 20 27 39.4–1.1 42.61N–.04 78.35E–.03 22–2 38 0-2
KRNET XI 23 20 27 38.7–.10 42.67N 78.32E 30 2.5b ¶622412559
SOME XI 23 20 27 39.9 42.65N 78.27E 5 2.5b
NNC XI 23 20 27 39.8–1.6 42.67N 78.29E 0 2.7,2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=5.6km az=167.0.
ISC XI 22 01 20 47.5–.91 43.01N–.02 76.66E–.01 9–7 106 0-5
NNC XI 22 01 20 47.5–.66 43.06N 76.63E 0 3.4,3.2b ¶622412493
KRNET XI 22 01 20 47.1–.10 43.01N 76.67E 19 3.1b,3.2b
SOME XI 22 01 20 47.9 43.05N 76.62E 15 3.1b,3.2b
KNET XI 22 01 20 48.7–.54 42.96N 76.57E 15–2 1.8L,3.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.0km s-min=2.8km az=164.0.
KNET Error ellipse: s-maj=3.9km s-min=2.5km az=36.0.
KRNET XI 23 01 04 27.6–.10 43.33N 75.00E 10 1.8b
SOME XI 23 01 05 16.3 43.85N 78.75E 10 1.8b ¶622412526
ISC XI 27 12 48 18.1–1.9 42.09N–.06 79.24E–.06 10–10 43 1-3
NNC XI 27 12 48 18.3–1.2 42.11N 79.28E 0 3.1b,2.9 ¶622412656
SOME XI 27 12 48 18.4 42.05N 79.20E 10 3.1b,2.9
KRNET XI 27 12 48 18.4–.10 42.07N 79.24E 27 2.8b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=139.0.
ISC XI 25 22 43 08.7–.91 42.94N–.02 77.45E–.02 16–8 51 0-2
KRNET XI 25 22 43 08.5–.10 42.93N 77.49E 23 2.3b ¶622412624
NNC XI 25 22 43 09.6–.56 42.97N 77.46E 0 2.7,1.9b
SOME XI 25 22 43 09.8 42.97N 77.45E 15 2.7,1.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=2.0km az=6.0.
ISC XI 26 11 30 41.9–.86 42.29N–.03 76.33E–.02 9–7 55 0-2
SOME XI 26 11 30 41.6 42.28N 76.30E 10 ¶622412636
KRNET XI 26 11 30 41.4–.10 42.30N 76.32E 18 2.6b
NNC XI 26 11 30 42.6–.75 42.36N 76.34E 0 2.7
KNET XI 26 11 30 42.3–.47 42.30N 76.21E 6–3 1.4L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=2.8km az=11.0.
KNET Error ellipse: s-maj=5.7km s-min=3.2km az=53.0.
ISC XI 28 11 36 08.7–1.6 42.57N–.05 79.14E–.04 9–10 46 1-3
SOME XI 28 11 36 08.3 42.53N 79.17E 15 ¶622412690
NNC XI 28 11 36 09.2–.88 42.62N 79.15E 0 2.7
KRNET XI 28 11 36 09.2–.10 42.59N 79.13E 19 2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=3.1km az=165.0.
ISC XII 05 13 08 53.3–1.0 42.59N–.04 78.62E–.04 9–7 40 0-2
SOME XII 05 13 08 51.8 42.57N 78.70E 5 ¶622412888
KRNET XII 05 13 08 51.9–.10 42.53N 78.77E 23 2.3b
NNC XII 05 13 08 54.7–1.4 42.67N 78.71E 0 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.3km s-min=4.7km az=5.0.
ISC XI 29 11 55 04.7–.97 42.65N–.02 77.02E–.02 16–9 53 0-2
KRNET XI 29 11 55 04.5–.10 42.66N 77.03E 30 2.5b ¶622412717
SOME XI 29 11 55 04.9 42.65N 77.00E 15 2.5b
NNC XI 29 11 55 05.1–1.3 42.66N 76.99E 0 2.8,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.2km s-min=4.5km az=153.0.
ISC XII 10 06 01 29.8–.88 43.10N–.02 76.87E–.02 9–6 47 0-2
NNC XII 10 06 01 29.7–.53 43.08N 76.83E 0 2.7b,2.7 ¶622413021
SOME XII 10 06 01 30.3 43.12N 76.90E 10 2.7b,2.7
KRNET XII 10 06 01 30.2–.10 43.09N 76.88E 18 2.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.7km s-min=2.9km az=150.0.
ISC XII 05 21 41 03.0–.85 43.19N–.03 78.33E–.02 13–7 56 0-3
KRNET XII 05 21 41 02.9–.10 43.19N 78.32E 25 2.4b ¶622412909
NNC XII 05 21 41 03.1–.39 43.19N 78.34E 0 2.9
SOME XII 05 21 41 03.5 43.17N 78.33E 15 2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.4km s-min=2.3km az=179.0.
ISC XII 05 18 21 14.1–.87 43.19N–.02 78.32E–.02 10–7 60 0-3
NNC XII 05 18 21 13.8–.40 43.20N 78.33E 0 2.8 ¶622412895
KRNET XII 05 18 21 13.9–.10 43.20N 78.32E 20 2.5b
SOME XII 05 18 21 14.4 43.18N 78.30E 10 2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.7km s-min=2.3km az=172.0.
ISC XII 07 23 18 08.1–1.0 42.87N–.06 76.82E–.07 15–12 36 0-1
KRNET XII 07 23 18 08.9–.10 42.90N 76.87E 19 2.1b ¶622412963
SOME XII 07 23 18 09.8 42.93N 76.85E 10 2.1b
NNC XII 07 23 18 10.4–.75 42.97N 76.79E 0 2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.3km s-min=2.4km az=163.0.
ISC XII 11 09 31 48.7–1.0 43.28N–.02 78.14E–.01 4–9 104 0-7
NNC XII 11 09 31 48.7–.18 43.27N 78.20E 2–2 3.8,3.7b ¶622413043
KRNET XII 11 09 31 49.0–.10 43.27N 78.20E 25 3.7b,3.7b
SOME XII 11 09 31 49.3 43.28N 78.17E 15 3.7b,3.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.6km s-min=1.0km az=173.0.
ISC XII 13 20 40 06.6–.68 42.85N–.02 77.58E–.01 17–5 86 0-3
NNC XII 13 20 40 05.3–.41 42.92N 77.66E 0 2.7,2.3b ¶622413115
SOME XII 13 20 40 05.9 42.92N 77.60E 15 2.7,2.3b
KRNET XII 13 20 40 05.6–.10 42.81N 77.58E 16 2.6b,2.3b
KNET XII 13 20 40 07.1–.44 42.83N 77.48E 7–4 2.1L,2.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=1.6km az=178.0.
KNET Error ellipse: s-maj=7.0km s-min=2.5km az=152.0.
ISC XII 13 07 44 46.3–.84 43.15N–.02 76.79E–.01 9–6 92 0-3
KRNET XII 13 07 44 45.6–.10 43.14N 76.82E 28 2.9b ¶622413102
SOME XII 13 07 44 46.1 43.13N 76.80E 15 2.9b
NNC XII 13 07 44 46.1–.58 43.14N 76.76E 0 2.9,2.7b
KNET XII 13 07 44 48.0–.30 43.07N 76.69E 32–1 1.9L,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.3km s-min=2.7km az=175.0.
KNET Error ellipse: s-maj=2.2km s-min=1.3km az=45.0.
ISC XII 11 07 27 32.2–.95 42.91N–.02 77.28E–.02 19–2 72 0-2
KRNET XII 11 07 27 32.8–.10 42.92N 77.28E 17 2.8b ¶622413040
NNC XII 11 07 27 33.0–.43 42.93N 77.27E 0 2.9,2.6b
SOME XII 11 07 27 33.2 42.92N 77.25E 10 2.9,2.6b
KNET XII 11 07 27 35.0–.27 42.82N 77.18E 28–1 1.8L,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=1.7km az=8.0.
KNET Error ellipse: s-maj=2.1km s-min=1.7km az=50.0.
ISC XII 11 07 51 59.0–.87 42.91N–.02 77.28E–.02 15–7 49 0-2
NNC XII 11 07 51 58.8–.63 42.91N 77.30E 0 2.6,2.3b ¶622413041
KRNET XII 11 07 51 59.2–.10 42.92N 77.27E 19 2.5b,2.3b
SOME XII 11 07 51 59.2 42.93N 77.28E 15 2.5b,2.3b
ISC Event type se.

NNC Event type se. Error ellipse: s-maj=5.5km s-min=2.4km az=13.0.
ISC XII 12 05 50 58.4–.95 42.80N–.02 77.97E–.02 15–8 109 0-5
KRNET XII 12 05 50 58.0–.10 42.79N 77.96E 28 3.4b ¶622413072
NNC XII 12 05 50 58.3–.58 42.85N 78.00E 0 3.5,3.1b
SOME XII 12 05 50 58.5 42.78N 77.97E 15 3.5,3.1b
KNET XII 12 05 50 58.9–.38 42.82N 77.81E 0–3 2.5L,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=2.0km az=173.0.
KNET Error ellipse: s-maj=6.6km s-min=2.5km az=158.0.
ISC XII 19 15 31 31.5–.89 42.92N–.03 77.79E–.02 17–8 52 0-2
NNC XII 19 15 31 31.5–.63 42.93N 77.80E 0 2.5,2.2b ¶622413261
KRNET XII 19 15 31 31.3–.10 42.93N 77.77E 23 2.5b,2.2b
SOME XII 19 15 31 32.0 42.92N 77.78E 15 2.5b,2.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.9km s-min=2.4km az=176.0.
ISC XII 14 04 09 52.7–2.1 42.26N–.08 79.55E–.08 1–12 22 1-5
KRNET XII 14 04 09 52.9–.10 42.26N 79.59E 20 3.1b ¶622413127
NNC XII 14 04 09 53.7–3.6 42.31N 79.48E 0 2.6b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=63.0km s-min=18.6km az=84.0.
ISC XII 17 09 03 37.4–.78 42.84N–.02 78.19E–.03 10 42 0-2
SOME XII 17 09 03 37.3 42.85N 78.17E 10 ¶622413200
KRNET XII 17 09 03 37.2–.10 42.84N 78.18E 24 2.3b
NNC XII 17 09 03 38.2–.95 42.86N 78.38E 0 3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=32.0.
ISC XII 20 00 50 56.7–.92 43.25N–.03 78.20E–.03 12–8 43 0-3
SOME XII 20 00 50 56.8 43.27N 78.18E 10 ¶622413277
NNC XII 20 00 50 56.4–.36 43.28N 78.18E 0 2.8
KRNET XII 20 00 50 56.4–.10 43.24N 78.22E 24 2.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=11.0.
ISC XII 20 03 11 40.5–1.8 42.99N–.06 79.83E–.07 11–9 40 0-4
KRNET XII 20 03 11 39.6–.10 42.90N 79.83E 20 2.5b ¶622413279
SOME XII 20 03 11 40.1 42.85N 79.80E 10 2.5b
NNC XII 20 03 11 41.1–1.2 42.92N 79.75E 0 2.9,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=5.3km az=122.0.
ISC XII 20 03 32 20.7–2.0 42.10N–.06 79.22E–.07 3–11 30 1-2
SOME XII 20 03 32 20.8 42.08N 79.17E 5 ¶622413280
KRNET XII 20 03 32 21.1–.10 42.09N 79.21E 18 2.5b
NNC XII 20 03 32 21.7–1.5 42.14N 79.20E 0 2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=8.7km az=73.0.
ISC XII 21 23 51 16.8–.95 42.70N–.03 77.51E–.02 17–10 37 0-2
KRNET XII 21 23 51 16.5–.10 42.71N 77.54E 25 2.3b ¶622413339
NNC XII 21 23 51 16.5–.95 42.73N 77.60E 0 2.7
SOME XII 21 23 51 17.1 42.72N 77.55E 15 2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.8km s-min=2.1km az=9.0.
ISC XII 23 01 54 53.9–1.0 42.84N–.04 79.22E–.04 10 50 0-3
NNC XII 23 01 54 53.8–.28 42.89N 79.24E 0 3.1b,2.9 ¶622413379
SOME XII 23 01 54 53.1 42.85N 79.23E 5 3.1b,2.9
KRNET XII 23 01 54 53.7–.10 42.86N 79.21E 17 2.5b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.1km s-min=1.5km az=134.0.
ISC XII 23 22 40 00.7–1.2 42.89N–.04 79.20E–.03 13–8 62 0-3
SOME XII 23 22 39 59.9 42.87N 79.23E 10 ¶622413402
KRNET XII 23 22 39 59.7–.10 42.90N 79.28E 30 2.7b
NNC XII 23 22 40 00.2–.26 42.89N 79.24E 0 2.9,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=1.9km s-min=1.4km az=139.0.
KRNET XII 23 17 58 24.2–.10 43.22N 75.33E 18 1.9b
NNC XII 23 17 58 18.5–3.5 43.51N 76.64E 0 2.0 ¶622413393
SOME XII 23 17 58 25.1 43.15N 75.27E 15 2.0
NNC Event type se. Error ellipse: s-maj=38.7km s-min=18.6km az=178.0.
ISC XII 24 16 20 36.5–1.6 42.61N–.05 79.53E–.05 10–9 69 1-5
SOME XII 24 16 20 35.1 42.55N 79.58E 15 ¶622413431
NNC XII 24 16 20 35.7–.70 42.61N 79.59E 0 3.4b,3.3
KRNET XII 24 16 20 35.6–.10 42.59N 79.62E 30 3.4b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.4km s-min=2.6km az=136.0.
ISC XII 26 08 43 05.3–.94 42.82N–.02 78.04E–.02 14–8 55 0-2
SOME XII 26 08 43 05.6 42.82N 78.03E 10 ¶622413487
KRNET XII 26 08 43 05.1–.10 42.83N 78.04E 28 2.4b
NNC XII 26 08 43 05.3–.46 42.83N 78.04E 0 2.6,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.4km s-min=1.8km az=176.0.
ISC XII 30 09 32 56.2–1.3 42.87N–.04 79.24E–.03 2–11 47 0-3
SOME XII 30 09 32 55.9 42.87N 79.25E 5 ¶622413626
NNC XII 30 09 32 55.4–.58 42.85N 79.26E 0 3.2b,2.5
KRNET XII 30 09 32 57.0–.10 42.94N 79.22E 22 2.4b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.1km s-min=1.6km az=149.0.
ISC XII 24 21 08 53.4–.85 43.12N–.02 76.63E–.01 12–6 100 0-3
NNC XII 24 21 08 53.6–.27 43.15N 76.62E 0 2.9,2.5b ¶622413441
SOME XII 24 21 08 53.7 43.10N 76.63E 15 2.9,2.5b
KRNET XII 24 21 08 53.2–.10 43.11N 76.66E 22 2.8b,2.5b
KNET XII 24 21 08 55.2–1.5 43.09N 76.47E 0 1.7L,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.9km s-min=1.3km az=173.0.
KNET Error ellipse: s-maj=11.3km s-min=5.2km az=38.0.

(331) Kazakhstan-Xinjiang border region.

ISC VII 04 07 38 39.5–.84 49.78N–.03 87.51E–.03 10 61 0-6
ASGSR VII 04 07 38 37.9–.21 50N–1.0 87.4E–.90 8 3.7 ¶621251292
NNC VII 04 07 38 41.4–3.0 49.72N 87.30E 0 3.5b,3.1
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=25.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=25.5km s-min=14.2km az=58.0.
ISC VII 11 17 32 44.4–1.0 47.92N–.02 83.65E–.03 12–8 3.5b 117 1-44
BJI VII 11 17 32 40.9 48.07N 83.40E 15 4.4b,4.0L ¶620928434
IDC VII 11 17 32 41.7–1.1 47.92N 83.61E 0 3.7b,3.7
NNC VII 11 17 32 45.4–.65 47.99N 83.33E 0 4.3b,4.1
SOME VII 11 17 32 45.6 47.68N 83.48E 5 4.3b,4.1
ASGSR VII 11 17 32 52.0–.44 48N–2.0 84E–3.0 9 4.4,4.1
ISC Event type ke.
NNC Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 23 23 42 47.2–.95 44.90N–.04 80.64E–.06 10 42 1-6
NNC VII 23 23 42 47.5–.87 44.92N 80.61E 4–7 3.7b,3.3 ¶621252107
SOME VII 23 23 42 48.2 44.90N 80.70E 30 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=3.1km az=102.0.
ASGSR VII 29 06 44 47.6–1.0 49N–5.0 85E–3.0 10 3.1
¶621252322
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 16 05 14 43.6–1.6 44.70N–.03 80.18E–.03 7–13 66 1-6
NNC VIII 16 05 14 44.8–.37 44.65N 80.04E 0 3.6b,3.5 ¶625786233
SOME VIII 16 05 14 45.1 44.70N 80.08E 20 3.6b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.5km s-min=2.3km az=105.0.
ASGSR VIII 21 07 23 30.6–.82 49N–4.0 87E–2.0 9 3.0
¶625388007
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 26 11 35 13.3–2.8 45.42N–.08 82.9E–.20 10 11 1-6
SOME IX 26 11 35 10.5 45.50N 83.05E 5 ¶624940803
NNC IX 26 11 35 13.1–1.6 45.42N 82.92E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.0km s-min=5.2km az=120.0.
ISC IX 15 16 19 05.7–1.3 48.73N–.04 86.57E–.04 7–11 41 1-6
ASGSR IX 15 16 19 06.1–.49 49N–2.0 86E–2.0 9 3.1 ¶624940374
NNC IX 15 16 19 12.9–4.1 48.69N 86.02E 0 3.0b,2.7
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=5.3km s-min=4.2km az=142.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=31.7km s-min=16.2km az=82.0.
ISC IX 21 23 17 51.4–3.1 48.39N–.05 86.19E–.06 17–24 28 2-14
ASGSR IX 21 23 17 49.8–.54 49N–3.0 86E–3.0 10 3.1 ¶621116050
IDC IX 21 23 17 52.5–1.7 48.31N 85.89E 0 2.9,2.5L
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=135.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=25.6km s-min=13.8km az=143.0.
NNC X 08 16 29 56.5–1.5 43.02N 80.05E 0 2.7
SOME X 08 16 29 57.7 43.10N 80.03E 5 2.7 ¶624925875
NNC Event type se. Error ellipse: s-maj=8.6km s-min=7.7km az=16.0.
ISC XI 11 13 31 59.0–2.4 43.06N–.06 80.66E–.09 11–10 40 0-4
KRNET XI 11 13 32 01.8–.10 43.85N 78.61E 22 2.3b ¶622412127
NNC XI 11 13 32 02.6–1.0 43.20N 80.55E 0 2.7
SOME XI 11 13 32 02.1 43.18N 80.58E 10 2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=3.9km az=137.0.
ISC X 12 10 14 55.7–1.7 43.01N–.06 80.53E–.07 10 45 1-4
KRNET X 12 10 14 50.8–.10 43.12N 80.67E 3.2b ¶622411327
SOME X 12 10 14 52.3 42.97N 80.67E 5 3.2b
NNC X 12 10 14 53.9–.59 42.96N 80.58E 0 3.3b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.9km s-min=2.7km az=143.0.
NNC X 19 01 22 59.6–.32 45.17N 80.46E 0 2.6b,2.5
SOME X 19 01 22 59.3 45.15N 80.65E 20 2.6b,2.5 ¶624926229
NNC Event type se. Error ellipse: s-maj=9.7km s-min=2.0km az=125.0.
ISC XII 12 07 52 25.7–1.8 43.09N–.04 80.13E–.08 10 45 0-3
SOME XII 12 07 52 23.5 43.03N 80.33E 20 ¶622413076
NNC XII 12 07 52 23.9–1.4 43.09N 80.25E 2–5 3.2b,3.0
KRNET XII 12 07 52 23.1–.10 43.13N 80.35E 2.8b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.3km s-min=8.0km az=179.0.

(332) Northern Xinjiang.

ISC VII 01 23 08 26.4–.37 42.11N–.04 83.62E–.03 15 4.2b,3.2s 267 3-95
SOME VII 01 23 08 10.9 42.12N 84.10E 5 4.2b,3.2s ¶620682309
IDC VII 01 23 08 24.1–.56 42.04N 83.58E 0 4.1b,4.0
MOS VII 01 23 08 24.8–1.2 42.11N 83.60E 12 4.4b,4.0
NEIC VII 01 23 08 25.8–1.4 42.11N–.06 83.64E–.07 10–1 4.3b,4.0
BJI VII 01 23 08 26.5 42.07N 83.62E 20 4.5b,4.3L
NNC VII 01 23 08 29.7–2.1 42.30N 83.44E 7–9 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=8.3km az=60.0.
MOS Error ellipse: s-maj=6.3km s-min=4.7km az=132.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=4.4km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=8.6km az=139.0.
ISC VII 02 01 15 43.9–.87 43.26N–.03 81.62E–.02 14–5 4.7b,3.5s 565 2-133
IDC VII 02 01 15 41.2–.48 43.03N 81.56E 0 4.3b,4.3 ¶620682311
MOS VII 02 01 15 41.3–.90 43.26N 81.70E 7 4.7b,4.3
NEIC VII 02 01 15 43.2–2.8 43.10N–.07 81.59E–.09 10–1 4.7b,4.3
BJI VII 02 01 15 45.7 43.17N 81.52E 22 4.7L,4.4b
SOME VII 02 01 15 45.3 43.13N 81.43E 5 4.7L,4.4b
NNC VII 02 01 15 47.4–.65 43.32N 81.40E 7–2 4.9b,4.6
GFZ VII 02 01 15 48.9–.22 43N–3.0 82E–3.0 51 4.8b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SOME VII 02 02 57 55.6 42.23N 81.15E 5
KRNET VII 02 02 57 58.6–.10 39.21N 78.45E 2.7b ¶625828701
NNC VII 02 08 42 06.7–.91 44.22N 81.10E 0 2.7b,2.4
SOME VII 02 08 42 06.7 44.17N 81.00E 10 2.7b,2.4 ¶621251226
NNC Event type se. Error ellipse: s-maj=10.5km s-min=5.1km az=134.0.
ISC VII 03 20 52 48.2–3.7 42.2N–.10 81.62E–.09 19–4 22 2-5
NNC VII 03 20 52 45.3–4.3 42.12N 82.00E 0 2.9b,2.4 ¶621251275
SOME VII 03 20 52 52.2 42.15N 81.05E 10 2.9b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.8km s-min=20.4km az=164.0.
ISC VII 05 21 43 49.4–2.0 42.23N–.09 81.15E–.07 10 51 2-9
NNC VII 05 21 43 46.8–1.1 42.14N 81.31E 0 3.6b,3.2 ¶621251352
SOME VII 05 21 43 46.2 42.18N 81.37E 15 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.0km s-min=4.7km az=157.0.
NNC VII 07 19 34 40.2–2.7 43.54N 82.01E 0 3.5b,3.1
SOME VII 07 19 34 22.0 43.43N 83.30E 5 3.5b,3.1 ¶621251441
NNC Event type se. Error ellipse: s-maj=18.0km s-min=17.7km az=67.0.
ISC VII 08 19 24 39.2–2.3 42.30N–.08 81.39E–.07 27–16 57 2-5
NNC VII 08 19 24 39.4–1.5 42.01N 80.90E 0 3.7b,3.4 ¶621251482
SOME VII 08 19 24 39.0 42.15N 81.08E 20 3.7b,3.4
KRNET VII 08 19 24 40.3–.10 42.19N 81.02E 3.2b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=7.9km az=166.0.
ISC VII 09 02 42 04.4–1.3 46.03N–.05 89.61E–.07 10 32 4-9
NNC VII 09 02 42 00.9–1.7 45.76N 89.41E 0 3.4b,3.1 ¶621251492
ASGSR VII 09 02 42 11.1–.58 47N–3.0 90E–2.0 9 3.9,3.1
ISC Event type ke.
NNC Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 10 18 01 40.8–1.3 47.36N–.06 90.58E–.05 10 41 3-9
NNC VII 10 18 01 40.8–2.5 47.32N 90.42E 0 3.5b,3.2 ¶621251571
ASGSR VII 10 18 01 45.7–.55 48N–3.0 91E–2.0 9 3.2,3.2
ISC Event type ke.
NNC Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 12 05 03 45.7–3.0 43.8N–.10 83.2E–.10 24 13 2-3
NNC VII 12 05 03 46.4–4.4 44.07N 83.03E 0 3.8b,3.0 ¶621251617
SOME VII 12 05 03 47.9 43.68N 82.88E 20 3.8b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.3km s-min=16.4km az=142.0.
ISC VII 12 07 05 59.0–3.6 42.9N–.10 84.8E–.10 10 17 4-5
SOME VII 12 07 05 58.8 42.95N 85.05E 20 ¶621251627
NNC VII 12 07 05 59.3–3.2 42.90N 84.91E 0 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.8km s-min=17.1km az=146.0.
ISC VII 14 13 12 47.3–1.9 47.40N–.07 89.58E–.09 11 34 3-8
NNC VII 14 13 12 45.5–2.6 47.36N 89.50E 0 3.5b,3.1 ¶621251749
ASGSR VII 14 13 12 51.2–.82 48N–4.0 89E–4.0 10 3.5,3.1
ISC Event type ke.
NNC Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 23 17 44 26.5–.35 42.13N–.04 83.44E–.03 15 4.3b,3.0s 199 3-103
IDC VII 23 17 44 24.6–.56 42.10N 83.36E 0 3.9b,3.9 ¶620845356

NNC VII 23 17 44 24.3–1.8 42.02N 83.56E 0 4.4b,4.2
MOS VII 23 17 44 24.7–1.2 42.13N 83.30E 9 4.3b,4.2
NEIC VII 23 17 44 26.3–2.1 42.06N–.06 83.36E–.08 10–1 4.5b,4.2
SOME VII 23 17 44 26.1 41.97N 83.12E 10 3.1s,4.2
ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=8.1km az=54.0.
NNC Event type se. Error ellipse: s-maj=16.3km s-min=7.9km az=145.0.
MOS Error ellipse: s-maj=7.8km s-min=5.7km az=123.5.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.2km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 28 22 18 18.0–3.5 42.2N–.10 81.0E–.20 35 18 1-4
SOME VII 28 22 18 10.3 42.18N 81.12E 20 **¶622406771**
KRNET VII 28 22 18 13.1–.10 42.04N 80.89E 2.9b
ISC Event type se.
ISC VII 27 19 57 34.8–.65 43.51N–.05 86.17E–.04 10 3.9b 71 4-77
SOME VII 27 19 57 32.9 43.77N 86.33E 5 3.9b **¶620978981**
IDC VII 27 19 57 34.3–1.0 43.53N 86.15E 0 3.8b,3.7
NEIC VII 27 19 57 34.6–2.8 43.59N–.08 86.19E–.08 10–1 4.4b,3.7
NNC VII 27 19 57 36.9–2.0 43.67N 86.17E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=11.5km az=45.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.9km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=10.6km az=111.0.
ISC VII 29 20 18 34.1–2.6 42.1N–.10 82.24E–.09 10 19 2-5
SOME VII 29 20 18 33.7 42.05N 82.23E 15 **¶621252354**
NNC VII 29 20 18 40.7–9.3 42.65N 82.62E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=90.0km s-min=39.4km az=155.0.
ISC VII 28 22 35 42.5–2.3 46.47N–.10 89.97E–.10 10 29 4-9
NNC VII 28 22 35 34.4–3.4 43.26N 88.13E 0 3.6,3.5b **¶621252315**
ASGSR VII 28 22 35 46.7–.56 47N–3.0 90E–5.0 9 3.6,3.5b
ISC Event type ke.
NNC Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SOME VIII 03 23 52 40.8 42.48N 81.17E 5
NNC VIII 03 23 52 38.3–4.0 44.11N 75.73E 0 3.9b,3.1 **¶625829075**
NNC Event type se. Error ellipse: s-maj=56.9km s-min=22.3km az=175.0.
ISC VIII 08 00 59 54.0–3.0 42.2N–.10 84.1E–.10 10 19 3-5
SOME VIII 08 00 59 51.6 41.85N 84.05E 10 **¶625785966**
NNC VIII 08 00 59 54.7–2.1 42.10N 84.04E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=63.0km s-min=14.3km az=23.0.
ISC VIII 10 00 38 37.8–4.5 42.3N–.20 86.5E–.20 10 12 5-10
SOME VIII 10 00 38 30.3 40.67N 83.95E 5 **¶625786027**
NNC VIII 10 00 38 37.9–1.9 42.51N 86.57E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.0km s-min=9.6km az=112.0.
ISC VIII 15 12 27 24.8–2.1 47.01N–.08 89.57E–.08 10 32 3-8
NNC VIII 15 12 27 24.4–1.9 47.17N 89.45E 0 3.5b,3.1 **¶625387982**
ASGSR VIII 15 12 27 31.4–.63 47N–3.0 90E–4.0 9 3.5,3.1
ISC Event type se.
NNC Event type se.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 10 22 40 05.1–2.4 43.24N–.10 83.79E–.10 10 43 3-6
NNC VIII 10 22 40 02.7–3.5 43.19N 83.95E 5–20 4.4b,4.0 **¶625786077**
SOME VIII 10 22 40 04.0 43.32N 83.95E 20 4.4b,4.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.0km s-min=13.0km az=137.0.
ISC VIII 17 08 04 50.1–1.8 47.63N–.07 88.70E–.07 10 30 2-7
NNC VIII 17 08 04 49.1–2.8 47.56N 88.61E 0 3.2b,2.8 **¶625387990**
ASGSR VIII 17 08 04 52.1–.58 48N–3.0 88E–3.0 9 3.1,2.8
ISC Event type se.
NNC Event type se.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 24 06 21 16.4–4.5 43.9N–.10 83.6E–.20 20 9 3-4
NNC VIII 24 06 21 19.1–2.2 43.91N 83.70E 0 2.8b,2.5 **¶625786521**
SOME VIII 24 06 21 21.8 44.25N 83.10E 20 2.8b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.9km s-min=7.6km az=122.0.
ISC VIII 20 01 32 37.7–2.9 42.1N–.10 82.41E–.09 10 44 2-5
SOME VIII 20 01 32 44.8 42.03N 82.05E 20 **¶625786366**
NNC VIII 20 01 32 46.8–3.3 42.04N 81.88E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.9km s-min=14.3km az=156.0.
ISC VIII 29 14 27 51.0–.47 43.88N–.05 84.21E–.03 10 4.1b 122 3-81
NEIC VIII 29 14 27 49.8–1.2 43.76N–.09 84.4E–.10 10–2 4.4b **¶621009999**
IDC VIII 29 14 27 49.6–.68 43.85N 84.19E 0 3.7b,3.7
SOME VIII 29 14 27 51.7 44.28N 83.93E 10 3.4s,3.7
NNC VIII 29 14 27 52.2–1.1 43.82N 83.89E 0 4.5b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=13.6km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.4km s-min=8.8km az=57.0.
NNC Event type se. Error ellipse: s-maj=9.5km s-min=4.5km az=132.0.
ISC VIII 28 19 20 50.5–.60 42.16N–.07 87.76E–.06 44 3.9b 65 6-78
IDC VIII 28 19 20 44.2–.70 41.99N 87.65E 0 3.8b,3.8 **¶621073126**
NEIC VIII 28 19 20 46.9–1.3 42.24N–.07 87.9E–.10 10–1 4.4b,3.8
NNC VIII 28 19 20 48.2–3.5 42.11N 87.86E 24–20 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=10.5km az=46.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=6.2km az=233.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=22.5km s-min=16.3km az=130.0.
NNC VIII 27 15 42 22.1–1.8 44.43N 88.42E 0 3.7b
¶625786659
NNC Event type se. Error ellipse: s-maj=27.3km s-min=13.6km az=38.0.
ISC IX 06 09 00 32.4–2.1 42.12N–.07 81.44E–.07 15–11 58 2-5
SOME IX 06 09 00 37.7 42.17N 80.93E 5 **¶622410368**
NNC IX 06 09 00 38.5–1.8 42.13N 80.92E 0 3.6b,3.3
KRNET IX 06 09 00 40.1–.10 42.12N 80.92E 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=9.4km az=154.0.
ISC VIII 30 01 23 32.6–2.7 42.40N–.09 81.03E–.09 12–14 26 1-4
SOME VIII 30 01 23 28.5 42.10N 81.23E 20 **¶622410202**
KRNET VIII 30 01 23 36.9–.10 43.34N 80.59E 2.7b
ISC Event type se.
ISC IX 05 20 46 18.9–1.5 47.58N–.07 89.74E–.05 11 41 3-8
NNC IX 05 20 46 20.9–1.9 47.75N 89.49E 6–7 3.2b,2.8 **¶624939996**
ASGSR IX 05 20 46 24.3–.58 48N–3.0 90E–2.0 8 3.6,2.8
ISC Event type se.
NNC Event type se.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 12 09 57 27.5–2.3 43.4N–.20 94.02E–.09 35 11 9-13
NNC IX 12 09 57 23.8–3.2 43.14N 93.81E 0 3.9b,3.2 **¶621109644**
IDC IX 12 09 57 24.6–3.3 43.56N 94.12E 0 3.3,3.0L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.9km s-min=22.5km az=152.0.
IDC Error ellipse: s-maj=44.0km s-min=16.1km az=178.0.
ISC IX 10 18 10 54.3–2.4 43.5N–.10 82.8E–.10 10 19 2-3
SOME IX 10 18 10 53.5 43.47N 82.82E 10 **¶624940192**
NNC IX 10 18 10 53.9–2.0 43.54N 82.87E 0 3.7b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.2km s-min=10.2km az=145.0.
SOME IX 12 18 18 33.7 42.38N 81.05E 30
¶626733905
ISC IX 13 10 04 47.6–1.4 48.80N–.04 87.80E–.04 8–11 49 1-8
ASGSR IX 13 10 04 44.9–.38 49N–2.0 88E–2.0 9 3.9 **¶624940292**
NNC IX 13 10 04 51.3–4.8 48.65N 87.59E 20–24 3.7b,3.3
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=153.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=34.7km s-min=19.6km az=101.0.
ISC IX 14 06 08 09.1–1.4 47.59N–.06 89.32E–.05 10 42 2-8
ASGSR IX 14 06 08 12.9–.43 48N–2.0 89E–3.0 8 3.7 **¶624940316**
NNC IX 14 06 08 15.1–5.2 47.62N 88.73E 0 3.6b,3.2
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=5.5km s-min=4.5km az=87.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=48.2km s-min=32.9km az=58.0.
ISC IX 17 09 16 12.1–1.8 43.33N–.07 81.86E–.08 10 35 2-4
SOME IX 17 09 16 09.2 43.23N 81.98E 5 **¶624940433**
NNC IX 17 09 16 11.9–1.2 43.33N 81.93E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.8km s-min=5.1km az=145.0.
SOME IX 15 11 23 54.4 42.17N 82.10E 5
NNC IX 15 11 23 57.1–8.7 41.89N 81.83E 0 3.6b,3.2 **¶624940364**
NNC Event type se. Error ellipse: s-maj=121.3km s-min=57.9km az=36.0.
ISC IX 18 09 27 02.3–1.9 43.34N–.06 81.82E–.06 9–12 54 1-18
SOME IX 18 09 26 57.1 43.35N 82.10E 10 **¶621113557**
NNC IX 18 09 27 00.2–.90 43.30N 81.95E 0 4.1b,3.8
IDC IX 18 09 27 00.2–3.9 43.36N 82.00E 0 3.5,3.0L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=3.4km az=141.0.
IDC Error ellipse: s-maj=50.7km s-min=26.7km az=79.0.
ISC IX 17 09 06 03.7–1.5 43.25N–.04 81.84E–.04 12–9 3.7b 79 2-82
SOME IX 17 09 05 58.8 43.08N 82.07E 10 3.0s **¶621112950**
IDC IX 17 09 06 01.2–.89 43.19N 81.90E 0 3.8b,3.8
NNC IX 17 09 06 02.5–1.4 43.27N 81.96E 9–8 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=12.9km s-min=9.9km az=110.0.
NNC Event type se. Error ellipse: s-maj=10.1km s-min=6.7km az=140.0.
ISC IX 19 00 57 05.5–1.4 43.81N–.06 82.92E–.08 10 57 2-75
IDC IX 19 00 57 01.6–1.9 43.63N 83.19E 0 3.6b,3.3 **¶621113599**
SOME IX 19 00 57 04.8 43.72N 83.03E 15 3.6b,3.3
NNC IX 19 00 57 08.4–1.5 43.88N 82.75E 4–8 3.6b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=12.3km az=114.0.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=6.1km az=122.0.
SOME IX 20 09 19 39.8 42.07N 82.37E 5
¶625829595
ISC IX 20 12 17 50.0–5.2 42.0N–.30 82.3E–.10 10 6 2-5
SOME IX 20 12 17 48.2 42.18N 82.37E 5 **¶624940570**
NNC IX 20 12 17 51.2–7.5 42.30N 82.28E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=54.7km s-min=29.7km az=147.0.
ISC IX 25 10 57 54.9–4.1 42.1N–.20 82.6E–.10 13 10 3-5
SOME IX 25 10 57 55.3 42.03N 82.70E 35 **¶624940765**
NNC IX 25 10 58 00.0–4.8 42.24N 82.27E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.0km s-min=19.1km az=147.0.
ISC IX 26 17 07 55.1–.52 42.27N–.04 81.78E–.04 10 3.9b 125 2-74
BJI IX 26 17 07 52.2 42.18N 81.57E 12 4.3L,4.3b **¶621110437**
SOME IX 26 17 07 52.7 42.25N 81.58E 5 3.2s,4.3b
IDC IX 26 17 07 54.8–1.0 42.27N 81.67E 0 3.9b,3.9
NEIC IX 26 17 07 55.6–1.9 42.26N–.08 81.8E–.10 10–2 4.2b,3.9
NNC IX 26 17 07 55.5–1.1 42.28N 81.50E 0 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=10.8km az=110.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.2km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=8.6km s-min=5.8km az=158.0.
NNC IX 26 05 38 17.4–4.3 44.18N 83.24E 0 3.2b,2.8
SOME IX 26 05 38 22.9 43.57N 82.70E 5 3.2b,2.8 **¶624940790**
NNC Event type se. Error ellipse: s-maj=37.6km s-min=18.1km az=134.0.
ISC IX 26 17 22 17.7–1.4 42.09N–.04 81.63E–.04 3–9 4.0b 86 2-74
IDC IX 26 17 22 17.6–1.2 42.17N 81.94E 0 4.0,3.9b **¶621131523**
NEIC IX 26 17 22 17.7–2.6 42.22N–.07 82.2E–.10 10–1 4.6b,3.9b
SOME IX 26 17 22 17.9 42.28N 81.55E 10 2.9s,3.9b
NNC IX 26 17 22 19.9–1.2 42.29N 81.45E 0 4.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=11.9km az=108.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.6km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=9.0km s-min=6.5km az=156.0.
ISC IX 26 17 27 22.8–2.7 42.24N–.10 81.75E–.09 10 41 2-5
SOME IX 26 17 27 25.9 42.30N 81.60E 10 **¶624940812**
NNC IX 26 17 27 26.4–1.7 42.21N 81.53E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.8km s-min=9.4km az=161.0.
ISC IX 28 10 28 44.6–4.0 42.5N–.20 82.2E–.10 10 10 2-4
SOME IX 28 10 28 41.6 42.35N 82.28E 10 **¶624940890**
NNC IX 28 10 28 42.9–6.7 42.31N 82.23E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=47.6km s-min=15.6km az=144.0.
ISC IX 29 19 39 31.7–2.0 42.34N–.08 81.17E–.08 10 24 2-5
SOME IX 29 19 39 29.2 41.95N 80.82E 25 **¶622411025**
NNC IX 29 19 39 30.0–11 42.35N 81.47E 0 2.8b,2.4
KRNET IX 29 19 39 37.3–.10 42.35N 80.71E 3.2b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=95.5km s-min=53.5km az=171.0.
ISC X 09 02 45 23.0–.62 42.01N–.05 83.82E–.04 10 3.8b 82 3-80
SOME X 09 02 45 07.4 39.97N 82.55E 15 3.8b **¶621235299**
IDC X 09 02 45 21.0–.79 41.87N 83.67E 0 3.8b,3.8s
NEIC X 09 02 45 25.6–2.6 42.00N–.10 83.9E–.10 26–2 4.5b,3.8s
NNC X 09 02 45 26.6–1.8 42.16N 83.76E 4–7 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=9.7km az=72.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=13.2km az=143.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=13.0km s-min=9.4km az=132.0.
ISC X 03 08 26 23.6–2.9 44.0N–.10 83.1E–.20 24 13 2-3
NNC X 03 08 26 22.6–3.9 43.65N 82.85E 0 2.9b,2.8 **¶624925709**
SOME X 03 08 26 23.4 44.38N 82.98E 20 2.9b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.2km s-min=25.6km az=5.0.
ISC X 07 13 16 25.3–.34 44.43N–.05 92.67E–.04 10 4.3b,3.5s 187 4-148
NNC X 07 13 16 20.3–3.1 44.37N 92.89E 0 4.4b,3.9 **¶621131614**
IDC X 07 13 16 22.7–.56 44.33N 92.78E 0 4.0b,4.0
MOS X 07 13 16 23.3–1.4 44.38N 92.63E 10 4.5b,4.0
BJI X 07 13 16 24.1 44.42N 92.84E 7 4.8L,4.3b
NEIC X 07 13 16 25.1–1.6 44.43N–.02 92.7E–.10 10–1 4.6b,4.3b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 14 11 35 37.8–3.3 44.3N–.20 82.9E–.20 17 7 2-3
NNC X 14 11 35 32.8–1.6 44.35N 82.78E 0 2.7b,2.3 **¶624926095**
SOME X 14 11 35 32.4 43.57N 82.68E 5 2.7b,2.3

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.1km s-min=6.2km az=124.0.
ISC X 13 17 09 59.5–.99 42.15N–.05 83.79E–.05 10 3.5b 47 3-80
IDC X 13 17 09 54.5–.92 41.96N 83.86E 0 3.6b,3.6 **¶621238989**
NNC X 13 17 10 03.3–2.9 42.25N 83.64E 16–17 4.2b,3.8
SOME X 13 17 10 05.8 41.83N 83.22E 5 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=10.3km az=67.0.
NNC Event type se. Error ellipse: s-maj=21.5km s-min=14.5km az=146.0.
ISC X 13 06 21 09.7–4.1 42.0N–.20 82.0E–.10 10 11 2-5
SOME X 13 06 21 04.5 42.03N 82.33E 15 **¶624926029**
NNC X 13 06 21 06.7–4.7 42.00N 82.23E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.4km s-min=14.4km az=145.0.
ISC X 18 10 58 59.5–4.2 42.0N–.20 82.2E–.10 14 8 2-5
NNC X 18 10 58 56.4–2.4 42.13N 82.19E 0 3.0b,2.6 **¶624926219**
SOME X 18 10 58 59.5 42.13N 81.92E 5 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.1km s-min=10.0km az=148.0.
ISC X 17 16 33 24.6–1.9 42.3N–.10 83.71E–.07 10 30 3-6
SOME X 17 16 33 24.9 41.40N 83.25E 5 **¶624926190**
NNC X 17 16 33 26.2–2.0 42.43N 83.66E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=6.2km az=135.0.
ISC X 22 09 31 21.4–4.2 42.2N–.30 82.0E–.10 10 7 2-5
SOME X 22 09 31 17.5 42.02N 82.30E 30 **¶624926350**
NNC X 22 09 31 19.7–2.4 42.21N 82.19E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.0km s-min=9.9km az=158.0.
ISC X 21 00 12 23.7–.31 43.81N–.03 84.21E–.03 10 4.4b,3.4s 335 3-144
SOME X 21 00 12 21.6 43.70N 83.93E 5 4.1s,3.4s **¶621229638**
MOS X 21 00 12 22.6–1.2 43.84N 84.20E 14 4.6b,3.4s
IDC X 21 00 12 22.2–.51 43.80N 84.18E 0 4.2,4.1b
BJI X 21 00 12 23.7 43.76N 84.13E 18 4.7L,4.6b
NEIC X 21 00 12 24.1–.84 43.81N–.02 84.2E–.10 10–1 4.6b,4.6b
NNC X 21 00 12 28.1–1.3 43.97N 83.67E 11–5 4.9b,4.8
ISC Event type se.
MOS Error ellipse: s-maj=6.4km s-min=5.0km az=126.6.
IDC Error ellipse: s-maj=10.4km s-min=7.7km az=41.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=3.6km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=10.3km s-min=5.7km az=128.0.
ISC X 22 15 12 04.4–2.6 43.65N–.09 83.9E–.10 10 14 3-8
SOME X 22 15 12 05.7 43.43N 83.93E 10 **¶624926363**
NNC X 22 15 12 06.7–1.3 43.83N 83.73E 0 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.9km s-min=5.5km az=117.0.
NNC X 25 07 11 39.5–6.4 44.19N 83.28E 0 3.1b,2.8
SOME X 25 07 11 45.5 43.63N 82.65E 5 3.1b,2.8 **¶624926433**
NNC Event type se. Error ellipse: s-maj=55.0km s-min=24.4km az=131.0.
SOME X 23 09 21 28.6 43.85N 85.10E 10
NNC X 23 09 21 31.3–1.5 43.60N 85.00E 0 4.0b,3.3 **¶624926378**
NNC Event type se. Error ellipse: s-maj=76.1km s-min=10.3km az=177.0.
ISC X 25 19 45 27.6–1.9 43.95N–.07 82.54E–.09 10 52 2-9
SOME X 25 19 45 25.7 43.82N 82.77E 20 **¶624926464**
NNC X 25 19 45 29.1–1.1 44.05N 82.47E 5–5 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=4.7km az=130.0.
ISC X 24 22 52 38.2–1.2 47.95N–.04 86.42E–.05 9–11 43 1-9
NNC X 24 22 52 35.8–6.5 47.99N 86.46E 10–26 4.1b,3.4 **¶624926417**
SOME X 24 22 52 37.6 47.52N 86.53E 10 4.1b,3.4
ASGSR X 24 22 52 37.5–.54 48N–3.0 86E–3.0 8 3.4,3.4
ISC Event type ke.
NNC Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 25 21 00 41.6–1.4 43.77N–.06 83.89E–.07 10 56 3-16
IDC X 25 21 00 39.6–3.2 43.78N 83.98E 0 3.2,2.7L **¶621366445**
NNC X 25 21 00 46.0–2.3 43.95N 83.70E 17–11 3.9b,3.6
SOME X 25 21 00 49.1 43.85N 83.60E 15 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=19.8km az=44.0.
NNC Event type se. Error ellipse: s-maj=18.3km s-min=9.4km az=128.0.
ISC X 26 03 23 16.3–2.1 42.44N–.10 83.71E–.09 10 21 3-10
SOME X 26 03 23 16.3 42.32N 83.72E 25 **¶624926468**
NNC X 26 03 23 17.3–2.1 42.46N 83.55E 29–15 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=9.5km az=142.0.
ISC X 26 17 47 02.2–.25 42.42N–.03 84.04E–.02 10 4.7b,3.7s 635 3-145
IDC X 26 17 47 00.6–.43 42.38N 84.03E 0 4.4b,4.4 **¶621240794**
MOS X 26 17 47 00.4–.93 42.38N 84.05E 11 4.8b,4.4
NEIC X 26 17 47 02.3–1.4 42.43N–.07 84.05E–.09 10–1 4.7b,4.4
GFZ X 26 17 47 02.8–.21 42N–3.0 84E–3.0 10 5.3b,5.3L
BJI X 26 17 47 02.8 42.35N 83.91E 13 4.9b,4.7L
SOME X 26 17 47 04.9 42.45N 83.83E 20 3.7s,4.7L
NNC X 26 17 47 07.3–1.3 42.63N 83.76E 17–6 5.0b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=10.5km s-min=7.1km az=54.0.
MOS Error ellipse: s-maj=6.4km s-min=3.8km az=41.7.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=11.1km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=9.3km s-min=4.8km az=140.0.
NNC X 26 06 22 41.7–2.7 43.69N 87.87E 8–13 3.5b,3.3
¶624926473
NNC Event type se. Error ellipse: s-maj=17.7km s-min=13.9km az=107.0.
NNC X 30 00 00 06.8–2.3 45.47N 84.76E 0 2.6b,2.1
SOME X 30 00 01 00.3 44.47N 82.60E 10 2.6b,2.1 **¶624926627**
NNC Event type se. Error ellipse: s-maj=15.9km s-min=11.6km az=91.0.
ASGSR XI 01 11 27 58.6–1.1 47N–6.0 90E–12 9 3.8
NNC XI 01 11 27 59.7–4.3 46.86N 89.57E 0 3.2b,2.9 **¶624926715**
ASGSR Event type ke. Error ellipse: s-maj=26.6km s-min=10.0km az=69.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=40.1km s-min=30.4km az=46.0.
ISC XI 01 12 29 15.3–1.0 43.33N–.09 88.06E–.08 35 3.7b 24 5-79
IDC XI 01 12 29 10.0–.99 43.25N 88.20E 0 3.8b,3.8 **¶621401265**
NNC XI 01 12 29 15.6–4.3 43.44N 87.64E 0 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=11.1km az=44.0.
NNC Event type se. Error ellipse: s-maj=33.4km s-min=23.7km az=118.0.
ISC XI 02 10 35 02.9–1.1 44.22N–.08 85.11E–.05 10 31 2-8
NNC XI 02 10 35 06.4–2.2 44.23N 85.08E 0 3.7b,3.3 **¶624926752**
SOME XI 02 10 35 07.6 44.43N 84.93E 5 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.5km s-min=9.1km az=112.0.
ISC XI 03 01 47 45.5–3.2 42.2N–.10 82.8E–.10 10 13 3-5
SOME XI 03 01 47 38.0 41.12N 82.05E 5 **¶624926770**
NNC XI 03 01 47 39.8–2.7 42.13N 83.16E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.7km s-min=9.3km az=141.0.
ISC XI 05 04 29 21.9–2.2 42.35N–.09 81.37E–.07 10 34 2-4
SOME XI 05 04 29 18.8 42.37N 81.55E 5 **¶624926840**
NNC XI 05 04 29 20.6–1.4 42.37N 81.47E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=7.6km az=159.0.
ISC XI 06 07 55 30.7–2.8 42.1N–.10 83.3E–.10 15 38 3-6
SOME XI 06 07 55 31.6 42.10N 83.45E 20 **¶624926885**
NNC XI 06 07 55 32.7–1.7 42.03N 83.24E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.8km s-min=9.8km az=164.0.
SOME XI 06 20 43 39.0 43.07N 84.27E 5
NNC XI 06 20 43 41.7–2.9 43.40N 84.26E 0 3.8b,3.2 **¶624926909**
NNC Event type se. Error ellipse: s-maj=36.5km s-min=18.0km az=1.0.
ISC XI 09 00 08 27.3–3.7 44.0N–.20 83.0E–.20 35 10 2-4
SOME XI 09 00 08 24.7 44.03N 82.68E 30 **¶624926982**
NNC XI 09 00 08 26.4–3.9 44.23N 82.44E 0 2.8,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.9km s-min=15.0km az=133.0.
ISC XI 09 00 51 28.4–2.8 42.30N–.09 81.36E–.08 7–13 43 1-5
SOME XI 09 00 51 28.5 42.28N 81.42E 10 **¶624926985**
NNC XI 09 00 51 29.6–1.3 42.40N 81.47E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.6km s-min=7.1km az=139.0.
ISC XI 11 00 32 46.0–1.4 44.53N–.03 81.20E–.04 25–13 74 1-18
IDC XI 11 00 32 42.2–1.7 44.55N 81.08E 0 3.1,2.9L **¶621449492**
NNC XI 11 00 32 44.8–.59 44.54N 81.02E 0 3.9b,3.9
SOME XI 11 00 32 44.9 44.60N 81.20E 35 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=9.3km az=130.0.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=3.2km az=118.0.
SOME XI 11 05 05 21.1 42.25N 83.83E 10
NNC XI 11 05 05 15.8–11 42.86N 84.65E 0 3.9b,3.3 **¶624927058**
NNC Event type se. Error ellipse: s-maj=132.7km s-min=79.2km az=14.0.
ISC XI 13 11 35 33.7–2.8 42.4N–.10 81.89E–.09 10 16 2-4
SOME XI 13 11 35 24.7 42.22N 82.03E 5 **¶624927145**
NNC XI 13 11 35 29.1–1.6 41.95N 81.92E 0 3.1b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.8km s-min=6.2km az=157.0.
ISC XI 11 08 31 51.7–2.5 44.6N–.10 82.3E–.20 35 21 2-3
NNC XI 11 08 31 46.7–2.5 44.55N 82.19E 0 3.6b,3.5 **¶624927065**
SOME XI 11 08 31 47.0 44.33N 82.33E 35 3.6b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.8km s-min=8.6km az=127.0.
ISC XI 14 11 01 29.4–2.6 42.9N–.10 81.7E–.10 10 9 2-4
NNC XI 14 11 01 05.8–3.4 42.21N 82.64E 0 3.0b,2.6 **¶624927184**
SOME XI 14 11 01 30.4 42.93N 81.70E 15 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.4km s-min=13.2km az=153.0.
ISC XI 22 11 13 18.8–3.7 42.2N–.20 82.3E–.10 13 10 2-5
NNC XI 22 11 13 19.9–3.9 42.19N 82.27E 0 3.3b,2.9 **¶624927452**
SOME XI 22 11 13 19.5 42.27N 82.25E 5 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.1km s-min=15.4km az=149.0.
ISC XI 18 02 48 52.2–2.9 42.3N–.10 83.64E–.09 10 29 3-6
SOME XI 18 02 48 51.8 42.23N 83.70E 5 **¶624927286**
NNC XI 18 02 48 53.8–3.7 42.19N 83.58E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.3km s-min=15.7km az=161.0.
ISC XI 20 11 00 26.9–3.3 42.1N–.10 82.4E–.10 10 21 2-5
SOME XI 20 11 00 24.6 41.63N 82.38E 35 **¶624927387**
NNC XI 20 11 00 27.6–3.2 42.03N 82.26E 0 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.2km s-min=18.1km az=172.0.
ISC XI 16 11 45 10.5–3.4 44.3N–.10 83.0E–.20 10 7 2-3
SOME XI 16 11 45 11.5 44.33N 82.97E 15 **¶624927242**
NNC XI 16 11 45 11.3–1.9 44.29N 82.89E 0 2.5b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.8km s-min=5.0km az=118.0.
ISC XI 18 10 11 35.4–2.7 43.2N–.10 84.8E–.10 10 26 3-6
SOME XI 18 10 11 32.1 43.18N 85.00E 10 **¶624927312**
NNC XI 18 10 11 35.3–1.3 43.15N 84.83E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.8km s-min=6.1km az=137.0.
ISC XI 30 11 56 41.5–2.1 42.27N–.09 81.99E–.07 10 52 2-9
SOME XI 30 11 56 37.9 42.25N 82.13E 5 **¶624927752**
NNC XI 30 11 56 39.4–1.0 42.19N 82.05E 0 4.0b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=151.0.
ISC XI 27 08 15 59.8–3.1 44.38N–.04 81.30E–.07 13–23 50 1-7
SOME XI 27 08 16 00.5 44.43N 81.30E 30 **¶624927640**
NNC XI 27 08 16 01.5–.80 44.39N 81.08E 0 3.8b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=4.2km az=118.0.
ISC XI 27 21 05 52.4–3.2 44.41N–.04 81.01E–.06 4–25 51 1-11
NNC XI 27 21 05 54.2–.42 44.41N 80.79E 0 3.8b,3.6 **¶624927659**
SOME XI 27 21 05 54.2 44.43N 80.82E 15 3.8b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.7km s-min=2.0km az=126.0.
ISC XI 23 22 33 12.8–2.7 42.2N–.10 83.0E–.10 10 20 3-10
SOME XI 23 22 33 04.4 42.53N 83.72E 10 **¶624927495**
NNC XI 23 22 33 06.3–3.5 41.49N 83.00E 10–16 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.3km s-min=20.3km az=121.0.
NNC XI 25 12 22 58.0–.92 44.54N 81.37E 0 2.8,2.5b
SOME XI 25 12 22 57.9 44.55N 81.33E 5 2.8,2.5b **¶624927556**
NNC Event type se. Error ellipse: s-maj=6.3km s-min=4.5km az=90.0.
ISC XI 22 07 33 25.5–.94 44.15N–.05 83.53E–.05 10 61 3-82
IDC XI 22 07 33 24.2–1.0 44.28N 84.00E 0 3.8b,3.4 **¶621611894**
SOME XI 22 07 33 25.3 44.08N 83.58E 20 3.8b,3.4
NNC XI 22 07 33 30.1–1.2 44.22N 83.24E 0 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=10.3km az=68.0.
NNC Event type se. Error ellipse: s-maj=11.1km s-min=4.9km az=131.0.
ISC XI 27 11 27 27.5–5.1 43.1N–.20 82.9E–.20 10 9 2-4
NNC XI 27 11 27 29.9–2.2 42.19N 81.92E 0 3.0b,2.5 **¶624927652**
SOME XI 27 11 27 55.9 42.78N 80.97E 15 3.0b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.2km s-min=11.2km az=164.0.
NNC XII 06 11 11 58.3–3.6 44.27N 83.06E 0 3.0,2.6b
SOME XII 06 11 11 56.6 44.37N 82.93E 15 3.0,2.6b **¶624927981**
NNC Event type se. Error ellipse: s-maj=34.0km s-min=10.5km az=121.0.
ISC XII 06 08 27 24.7–1.8 44.61N–.07 82.3E–.10 10 24 2-3
SOME XII 06 08 27 25.0 44.63N 82.30E 25 **¶624927967**
NNC XII 06 08 27 27.8–1.8 44.62N 82.12E 0 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.9km s-min=5.1km az=122.0.
ISC XII 01 06 01 21.5–1.5 47.56N–.07 89.84E–.06 10 32 3-8
NNC XII 01 06 01 22.3–5.5 46.84N 89.63E 0 3.9b,3.5 **¶624927769**
ASGSR XII 01 06 01 23.4–.70 48N–4.0 90E–2.0 8 3.8,3.5
ISC Event type ke.
NNC Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 07 05 44 03.2–1.7 44.08N–.08 83.52E–.08 20 36 2-7
SOME XII 07 05 44 01.1 44.23N 83.33E 5 **¶624927994**
NNC XII 07 05 44 02.4–1.2 44.19N 83.27E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=4.9km az=133.0.
ISC XII 08 11 01 27.2–2.7 42.2N–.10 82.34E–.10 13 24 2-5
SOME XII 08 11 01 22.8 42.05N 82.62E 20 **¶624928056**
NNC XII 08 11 01 26.4–2.2 42.02N 82.29E 0 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.5km s-min=11.0km az=164.0.
NNC XII 10 11 18 08.0–12 44.91N 81.68E 0 3.2b,3.0
SOME XII 10 11 18 03.5 41.15N 81.35E 15 3.2b,3.0 **¶624928103**
NNC Event type se. Error ellipse: s-maj=195.2km s-min=79.9km az=126.0.
ISC XII 09 10 08 03.2–1.8 44.60N–.06 82.22E–.08 10 39 2-5
SOME XII 09 10 08 03.0 44.58N 82.25E 25 **¶624928089**

NNC XII 09 10 08 05.8–1.2 44.65N 81.99E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.2km s-min=6.2km az=128.0.
ISC XII 15 02 18 35.3–2.0 42.80N–.09 83.37E–.07 10 46 2-6
SOME XII 15 02 18 27.8 42.47N 83.78E 15 ¶624928266
NNC XII 15 02 18 30.6–1.5 42.57N 83.62E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.6km s-min=6.9km az=154.0.
ISC XII 11 11 39 07.5–2.8 42.2N–.10 82.4E–.10 13 19 2-5
SOME XII 11 11 39 06.4 42.05N 82.28E 10 ¶624928151
NNC XII 11 11 39 07.8–2.0 42.06N 82.25E 0 3.5b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.6km s-min=11.5km az=2.0.
ASGSR XII 11 07 24 31.9–1.0 46N–5.0 90E–3.0 8 3.5
¶624928139
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 18 23 22 59.2–1.7 43.95N–.05 82.54E–.06 5–10 66 2-65
IDC XII 18 23 22 57.2–2.5 43.78N 82.53E 0 3.9s,3.7 ¶621657042
NNC XII 18 23 23 02.9–1.4 44.08N 82.45E 1–7 4.0b,3.8
SOME XII 18 23 23 02.2 43.90N 82.57E 20 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=22.5km az=50.0.
NNC Event type se. Error ellipse: s-maj=12.7km s-min=5.0km az=131.0.
ISC XII 17 06 54 37.4–.36 43.45N–.04 88.80E–.04 10 4.5b,3.6s 169 1-147
IDC XII 17 06 54 35.5–.58 43.42N 88.81E 0 4.1b,4.1 ¶621631539
MOS XII 17 06 54 36.4–.98 43.46N 88.75E 17 4.7b,4.1
NEIC XII 17 06 54 37.5–1.4 43.47N–.07 88.8E–.10 10–1 4.7b,4.1
NNC XII 17 06 54 39.7–1.4 43.54N 88.68E 21–7 4.7b,4.5
BJI XII 17 06 54 39.2 43.45N 88.80E 26 4.8b,4.7L
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=8.8km az=39.0.
MOS Error ellipse: s-maj=7.4km s-min=5.6km az=133.3.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.8km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=8.0km az=113.0.
ISC XII 17 19 16 28.6–2.8 42.4N–.10 84.05E–.09 10 26 3-6
SOME XII 17 19 16 31.0 42.43N 84.05E 10 ¶624928366
NNC XII 17 19 16 34.7–3.4 42.48N 83.96E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.7km s-min=16.8km az=160.0.
ISC XII 19 09 22 42.0–1.1 44.60N–.06 82.13E–.06 10 35 2-5
SOME XII 19 09 22 41.6 44.60N 82.15E 10 ¶624929923
NNC XII 19 09 22 44.2–.89 44.64N 81.96E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.1km s-min=4.3km az=131.0.
ISC XII 19 13 19 30.1–2.2 42.38N–.09 81.62E–.06 17–12 57 2-6
SOME XII 19 13 19 33.7 42.43N 81.55E 10 ¶624929935
NNC XII 19 13 19 34.9–1.5 42.23N 81.39E 0 4.0b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=6.5km az=165.0.
ISC XII 23 06 45 52.2–2.4 44.25N–.07 83.2E–.10 17 21 2-4
NNC XII 23 06 45 51.3–3.7 44.12N 83.28E 0 3.5b,3.2 ¶624930057
SOME XII 23 06 45 52.0 44.38N 82.95E 10 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.0km s-min=10.4km az=120.0.
ISC XII 19 12 41 02.2–2.6 42.43N–.09 81.33E–.06 12–14 51 2-6
SOME XII 19 12 40 58.0 42.43N 81.60E 10 ¶624929932
NNC XII 19 12 41 00.2–1.8 42.23N 81.35E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=7.6km az=163.0.
ISC XII 20 10 23 15.5–3.5 44.56N–.06 82.2E–.10 3–25 18 2-3
NNC XII 20 10 23 15.9–1.1 44.62N 82.23E 0 3.4b,3.0 ¶624929971
SOME XII 20 10 23 16.7 44.73N 82.03E 20 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=2.4km az=117.0.
ISC XII 24 05 56 40.9–4.0 42.1N–.10 82.2E–.10 8–19 18 2-5
SOME XII 24 05 56 40.2 42.08N 82.28E 20 ¶624930088
NNC XII 24 05 56 40.8–1.7 42.17N 82.17E 0 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.1km s-min=7.6km az=159.0.
SOME XII 23 17 57 33.6 42.30N 83.05E 5
¶626536034
NNC XII 24 23 55 44.2–2.6 43.40N 87.42E 0 3.7b,3.3
¶624930135
NNC Event type se. Error ellipse: s-maj=19.7km s-min=14.4km az=100.0.
ISC XII 24 10 53 28.2–2.9 42.0N–.10 82.60E–.08 13 20 2-6
SOME XII 24 10 53 31.4 42.20N 82.62E 20 ¶624930116
NNC XII 24 10 53 33.9–1.5 42.17N 82.37E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=4.9km az=147.0.
ISC XII 28 09 55 00.9–2.9 44.4N–.10 82.5E–.20 10 11 2-3
SOME XII 28 09 54 58.3 44.40N 82.75E 5 ¶624930271
NNC XII 28 09 54 59.6–3.2 44.40N 82.67E 0 2.5b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.5km s-min=8.1km az=118.0.
ISC XII 29 09 52 30.6–1.9 44.70N–.06 81.94E–.09 1–14 30 2-5
SOME XII 29 09 52 31.4 44.67N 82.05E 20 ¶624930323
NNC XII 29 09 52 32.6–1.1 44.68N 81.93E 0 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.8km s-min=4.1km az=121.0.
ISC XII 29 18 54 34.1–2.8 42.1N–.10 81.95E–.09 14 15 2-6
SOME XII 29 18 54 31.7 42.32N 82.18E 10 ¶624930340
NNC XII 29 18 54 33.8–4.0 42.16N 81.92E 0 3.9b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.8km s-min=14.5km az=158.0.
ISC XII 30 08 29 33.2–2.1 45.39N–.08 84.8E–.10 10 19 2-7
SOME XII 30 08 29 32.6 45.40N 84.90E 10 ¶624930359
NNC XII 30 08 29 34.4–1.2 45.45N 84.74E 8–5 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=5.1km az=111.0.

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ASGSR VII 04 14 14 26.0–.28 51N–2.0 96E–1.0 8 3.7
¶625391124
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 08 06 44 09.4–1.2 51.31N–.04 100.26E–.03 4–13 49 1-6
ASGSR VII 08 06 44 07.6–.32 51N–3.0 100E–2.0 10 3.9 ¶624430831
BYKL VII 08 06 44 10.4–.19 51.29N 100.40E 3.9
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=7.5km s-min=3.0km az=165.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC VII 10 00 29 32.8–.75 51.86N–.03 100.01E–.02 10 57 1-6
BYKL VII 10 00 29 34.0–.16 51.87N 99.85E ¶624430834
ASGSR VII 10 00 29 34.7–.99 52N–2.0 99E–5.0 9 3.8
ISC Event type ke.
BYKL Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 20 04 00 32.2–.73 51.57N–.03 100.12E–.02 10 68 1-6
ASGSR VII 20 04 00 29.6–.33 51N–4.0 100E–2.0 10 4.2 ¶624430879
BYKL VII 20 04 00 32.2–.23 51.51N 100.28E 4.2
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=8.7km s-min=3.2km az=169.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC VII 21 06 59 52.8–.78 50.95N–.05 98.07E–.04 12 24 0-14
IDC VII 21 06 59 51.2–1.1 50.77N 98.18E 0 3.3L,3.3 ¶620961637
ASGSR VII 21 06 59 53.5–.67 51N–2.0 98E–3.0 8 4.2,3.3
ISC Event type ke.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 21 07 35 09.0–.54 51.47N–.03 100.49E–.02 10 3.5b,3.1s 106 1-68
ASGSR VII 21 07 35 05.2–.38 51N–5.0 100E–2.0 10 4.6,3.1s ¶620840360
BYKL VII 21 07 35 08.8–.21 51.36N 100.35E 4.6,3.1s
MOS VII 21 07 35 09.4–1.2 51.35N 100.42E 10 4.1b,3.1s
IDC VII 21 07 35 10.0–.91 51.29N 100.48E 0 3.7b,3.5
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=10.6km s-min=3.0km az=167.9.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
MOS Error ellipse: s-maj=11.8km s-min=8.9km az=6.8.
IDC Error ellipse: s-maj=21.1km s-min=8.3km az=15.0.
ISC VII 22 00 28 49.4–1.2 51.36N–.04 100.33E–.02 5–10 83 1-6
ASGSR VII 22 00 28 46.3–.31 51N–3.0 100E–1.0 10 4.1 ¶624430881
BYKL VII 22 00 28 49.3–.23 51.31N 100.39E 4.1
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=6.5km s-min=3.0km az=173.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC VII 22 01 12 48.8–1.1 49.48N–.02 107.22E–.02 2–7 4.0b,3.6s 209 2-83
IDC VII 22 01 12 48.3–.64 49.43N 107.23E 0 3.8b,3.8 ¶620844251
MOS VII 22 01 12 48.3–1.9 49.40N 107.14E 10 4.3b,3.8
NEIC VII 22 01 12 50.4–1.6 49.42N–.07 106.9E–.10 10–1 4.1b,3.8
BYKL VII 22 01 12 51.3–.28 49.40N 107.16E 19–10 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=9.3km az=42.0.
MOS Event type fe. Error ellipse: s-maj=7.7km s-min=5.7km az=112.2. Felt (III) at Kyahta. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.7km az=43.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se. FELT I=III MSK at Kyakhta.
ISC VII 22 07 45 26.1–.51 51.26N–.03 100.41E–.01 10 3.2s 124 1-49
ASGSR VII 22 07 45 23.7–.25 51N–3.0 100E–1.0 9 4.6 ¶625387836
MOS VII 22 07 45 28.8–1.3 51.27N 100.47E 11 3.9b
BYKL VII 22 07 45 28.6–.16 51.23N 100.38E 3.9b
IDC VII 22 07 45 29.4–1.1 51.19N 100.47E 0 3.7b,3.4
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=5.5km s-min=2.4km az=3.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=14.4km s-min=11.3km az=9.9.
BYKL Event type se.
IDC Error ellipse: s-maj=21.6km s-min=9.1km az=9.0.
ISC VII 22 09 01 42.7–.73 51.40N–.03 100.08E–.02 10 69 1-6
ASGSR VII 22 09 01 38.6–.27 51N–3.0 100E–1.0 9 4.1 ¶624430882
BYKL VII 22 09 01 42.5–.14 51.39N 100.24E 4.1
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=5.5km s-min=2.7km az=3.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC VIII 07 14 55 42.3–.72 51.66N–.04 100.36E–.02 10 72 0-8
ASGSR VIII 07 14 55 38.1–.24 52N–2.0 100E–1.0 9 4.0 ¶624430896
BYKL VIII 07 14 55 43.4–.20 51.47N 100.36E 35–4 4.0
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=5.4km s-min=2.3km az=14.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC VIII 04 08 22 11.4–.56 51.35N–.03 100.17E–.02 10 3.8b 140 1-53
ASGSR VIII 04 08 22 10.4–.25 51N–3.0 100E–1.0 9 4.6 ¶620968072
IDC VIII 04 08 22 12.6–1.1 51.22N 100.41E 0 3.6b,3.5s
BYKL VIII 04 08 22 12.7–.21 51.33N 100.36E 3.6b,3.5s
MOS VIII 04 08 22 13.0–1.7 51.47N 100.30E 14 4.0b,3.5s
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=6.4km s-min=2.7km az=177.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=20.9km s-min=10.6km az=5.0.
BYKL Event type se.
MOS Error ellipse: s-maj=11.5km s-min=9.4km az=172.2.
ISC VIII 22 20 36 56.3–.64 51.62N–.03 100.18E–.02 5–4 4.4b,3.8s 319 1-85
ASGSR VIII 22 20 36 48.1–.23 52N–2.0 100E–1.0 9 5.6,3.8s ¶620999699
MOS VIII 22 20 36 54.6–.86 51.52N 100.29E 6 4.6b,4.0s
BJI VIII 22 20 36 54.9 51.55N 100.31E 10 4.6s,4.6b
IDC VIII 22 20 36 54.9–.46 51.47N 100.29E 0 3.9b,3.9
BYKL VIII 22 20 36 55.2–.24 51.55N 100.30E 3.9b,3.9
NEIC VIII 22 20 36 56.7–1.4 51.38N–.09 100.30E–.09 10–1 4.5b,3.9
GFZ VIII 22 20 36 57.8–.24 52N–5.0 100E–3.0 10 4.4,4.3b
ISC Event type se.
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Event type fe. Felt (IV) at Mondy,(III-IV) at Angarsk, Shumak, (III) at Orlik, Belorechenskiy, Usol'ye-Sibirskoye, Sosnovka, Shelekhov, Irkutsk,(II-III) at Cheremkhovo, (II) at Chistye Klyuchi. Moment Tension Solution.
BYKL Event type se. FELT I=IV MSK at Mondy; III-IV at Angarsk, Shumak , Mamony; III at Oplik, Sosnovka, Belorechenskiy, Usol'ye-Sibirskoye, Shelekhov, Irkutsk; II-III at Cheremkhovo; II at Chistyye Klyuchi.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 22 20 48 06.8–1.0 51.56N–.04 100.30E–.02 14–12 55 0-6
ASGSR VIII 22 20 48 04.5–.26 52N–3.0 100E–1.0 9 3.8 ¶621146444
BYKL VIII 22 20 48 10.2–.20 51.53N 100.31E 3.8
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=6.5km s-min=2.2km az=21.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ASGSR VIII 30 18 55 50.2–.32 51N–3.0 98E–1.0 8 3.9
¶625388029
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ASGSR VIII 23 08 39 18.1–.32 51N–2.0 98E–1.0 8 4.1
¶625388010
ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 25 08 48 28.5–.98 51.34N–.04 100.36E–.02 10 51 1-6
ASGSR VIII 25 08 48 25.3–.25 51N–3.0 100E–1.0 9 4.0 ¶624430912
BYKL VIII 25 08 48 32.3–.23 51.33N 100.39E 4.0
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=6.6km s-min=2.3km az=21.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC IX 07 00 28 42.2–1.2 49.37N–.03 88.18E–.02 14–7 4.0b,3.0s 156 1-95
IDC IX 07 00 28 39.9–.85 49.26N 88.28E 0 3.8,3.7L ¶621094292
NEIC IX 07 00 28 41.0–2.0 49.20N–.02 88.3E–.10 10–2 4.1b,3.7L
ASGSR IX 07 00 28 43.6–.42 49N–2.0 88E–1.0 0 4.5,3.7L
NNC IX 07 00 28 44.2–1.4 49.37N 87.82E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=11.3km s-min=9.9km az=163.0.

NEIC Event type se. Error ellipse: s-maj=14.5km s-min=3.2km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASGSR Event type se. Error ellipse: s-maj=3.9km s-min=2.7km az=167.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=12.2km s-min=5.8km az=102.0.
ASGSR IX 07 16 40 11.8–.28 51N–2.0 100E–1.0 10 3.5
¶625786784

ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC IX 14 09 16 26.9–381 50.97N 113.29E 0
¶621110830

IDC Error ellipse: s-maj=145.7km s-min=123.2km az=55.0.
ISC IX 09 23 34 47.4–.77 51.44N–.04 100.31E–.02 10 57 0-6
ASGSR IX 09 23 34 43.7–.30 51N–2.0 100E–1.0 10 3.8 **¶624430957**
BYKL IX 09 23 34 47.0–.21 51.32N 100.35E 3.8
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=2.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ASGSR IX 13 16 41 03.9–.34 50N–3.0 98E–1.0 9 4.0
¶625786795

ASGSR Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 21 11 16 21.9–1.5 50.47N–.06 96.29E–.03 2–14 27 1-11
ASGSR X 21 11 16 21.9–.30 51N–2.0 96E–1.0 9 4.0 **¶621261407**
IDC X 21 11 16 23.7–1.1 50.53N 96.50E 0 3.0,2.8L
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=6.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=23.3km s-min=8.2km az=4.0.
ISC IX 18 15 11 22.2–1.1 51.24N–.03 100.25E–.02 6–10 80 1-6
ASGSR IX 18 15 11 20.2–.27 51N–2.0 100E–1.0 9 3.8 **¶624430967**
BYKL IX 18 15 11 23.9–.24 51.28N 100.41E 3.8
ISC Event type se.
ASGSR Event type se. Error ellipse: s-maj=4.5km s-min=2.6km az=5.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC X 18 04 37 34.0–1.4 50.92N–.04 93.82E–.03 17–10 4.1b,3.0s 139 1-82
ASGSR X 18 04 37 28.5–.23 51N–1.0 94E–1.0 10 4.5,3.0s **¶621206668**
IDC X 18 04 37 30.8–.57 50.85N 93.82E 0 4.0b,3.9
NEIC X 18 04 37 31.5–2.7 50.83N–.09 94.00E–.08 10–1 4.4b,3.9
MOS X 18 04 37 31.1–1.4 50.83N 93.83E 13 5.0b,3.9
NNC X 18 04 37 34.0–1.6 50.97N 93.44E 0 4.1b,3.8
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=2.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.9km s-min=7.0km az=4.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.0km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.4km s-min=8.5km az=177.1.
NNC Event type se. Error ellipse: s-maj=16.6km s-min=11.3km az=85.0.
ISC X 10 14 54 38.7–1.1 51.34N–.03 100.33E–.02 7–12 55 1-6
ASGSR X 10 14 54 38.3–.29 51N–2.0 100E–1.0 10 3.6 **¶624638558**
BYKL X 10 14 54 41.7–.19 51.33N 100.31E 3.6
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=5.0km s-min=2.9km az=4.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
IDC X 11 06 25 13.9–8.2 49.69N 107.09E 0
¶621236862

IDC Error ellipse: s-maj=51.2km s-min=30.3km az=14.0.
ISC X 14 01 52 39.4–.79 51.73N–.04 98.14E–.04 10 35 1-12
ASGSR X 14 01 52 36.8–.28 52N–2.0 98E–1.0 9 4.3 **¶621240614**
IDC X 14 01 52 38.5–1.5 51.65N 98.22E 0 4.0L,3.5
MOS X 14 01 52 40.4–2.3 51.75N 98.33E 10 3.8b,3.5
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=178.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=29.3km s-min=10.8km az=11.0.
MOS Error ellipse: s-maj=21.2km s-min=13.9km az=162.1.
ISC X 18 23 57 57.2–.52 50.62N–.03 96.26E–.02 10 3.8b 82 1-81
ASGSR X 18 23 57 56.0–.22 51N–2.0 96.3E–1.0 9 4.4 **¶621211175**
IDC X 18 23 57 56.4–.77 50.65N 96.43E 0 3.6b,3.5
MOS X 18 23 57 56.7–2.9 50.48N 96.35E 10 4.2b,3.5
NNC X 18 23 58 14.2–10 51.40N 94.98E 0 3.8b,3.6
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=178.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=20.8km s-min=8.2km az=8.0.
MOS Error ellipse: s-maj=16.4km s-min=12.4km az=174.9.
NNC Event type se. Error ellipse: s-maj=75.5km s-min=45.6km az=80.0.
ISC X 23 13 00 39.7–1.2 51.23N–.03 100.40E–.02 2–16 62 1-7
ASGSR X 23 13 00 39.4–.28 51N–2.0 100E–1.0 9 3.6 **¶621448706**
BYKL X 23 13 00 42.6–.18 51.22N 100.38E 3.6
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=5.0km s-min=2.6km az=0.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC X 23 14 16 02.5–.39 51.19N–.03 97.87E–.02 10 3.9b,3.1s 118 1-98
ASGSR X 23 14 15 57.3–.21 51N–2.0 97.9E–1.0 9 4.7,3.1s **¶621237894**
MOS X 23 14 16 00.7–1.3 51.08N 97.97E 9 5.0b,3.1s
IDC X 23 14 16 01.2–.59 51.14N 97.95E 0 3.8b,3.7
NEIC X 23 14 16 02.2–2.4 51.15N–.08 97.9E–.10 10–2 4.2b,3.7
ISC Event type ke.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 24 10 51 02.7–.73 52.48N–.03 100.00E–.02 10 84 0-7
ASGSR X 24 10 50 57.4–.26 53N–2.0 100E–1.0 9 3.7 **¶624638571**
BYKL X 24 10 51 01.8–.10 52.61N 100.10E 10–2 3.7
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.4km s-min=2.4km az=17.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ASGSR XI 08 16 17 41.2–.25 51N–2.0 98E–1.0 9 3.8
¶625388308

ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 28 15 46 16.5–.77 51.34N–.03 100.34E–.02 10 60 1-6
ASGSR X 28 15 46 11.6–.24 51N–2.0 100E–1.0 9 3.8 **¶624638581**
BYKL X 28 15 46 16.3–.21 51.28N 100.42E 3.8
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.2km s-min=2.3km az=13.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC X 26 12 11 16.0–.96 51.52N–.04 100.23E–.02 9–10 74 1-6
ASGSR X 26 12 11 14.9–.23 52N–2.0 100E–1.0 9 3.8 **¶624638574**
BYKL X 26 12 11 19.3–.23 51.50N 100.21E 3.8
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.2km s-min=2.2km az=9.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC XI 05 21 22 09.1–.76 50.66N–.04 96.66E–.03 10 31 1-16
ASGSR XI 05 21 22 06.7–.32 51N–2.0 97E–1.0 7 4.1 **¶621413996**
IDC XI 05 21 22 07.8–1.0 50.60N 96.74E 0 3.0,2.7L
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=6.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=23.0km s-min=7.7km az=2.0.
ISC XI 23 03 54 15.4–.85 50.38N–.04 90.66E–.03 10 38 1-8
ASGSR XI 23 03 54 10.6–.30 50N–2.0 91E–1.0 10 3.7 **¶624927467**
NNC XI 23 03 54 20.8–1.2 50.39N 90.10E 0 3.4b,3.0
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=162.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=8.8km az=84.0.
ISC XI 16 05 07 01.3–1.1 51.44N–.04 100.23E–.02 7–12 64 1-6
ASGSR XI 16 05 07 00.3–.24 51N–2.0 100E–1.0 9 3.8 **¶624638594**
BYKL XI 16 05 07 06.0–.18 51.50N 100.26E 3.8
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.6km s-min=2.3km az=16.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC XI 11 00 47 00.5–.98 50.81N–.03 97.63E–.03 9–8 3.9b,3.3s 59 0-39
ASGSR XI 11 00 46 55.6–.24 51N–2.0 98E–1.0 9 4.7,3.3s **¶621392759**
IDC XI 11 00 46 56.5–.98 50.51N 97.80E 0 4.0b,3.4
NNC XI 11 00 46 57.8–1.5 50.80N 97.50E 0 4.1b,3.6
MOS XI 11 00 46 58.0–1.8 50.31N 97.46E 16 3.9b,3.6
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=175.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=19.7km s-min=8.4km az=7.0.
NNC Event type se. Error ellipse: s-maj=9.9km s-min=7.4km az=95.0.
MOS Error ellipse: s-maj=13.8km s-min=12.0km az=55.0.
ISC XI 12 19 24 42.5–.98 51.37N–.04 100.37E–.02 9–10 63 0-6
ASGSR XI 12 19 24 41.5–.26 51N–2.0 100E–1.0 9 3.9 **¶624638592**
BYKL XI 12 19 24 45.6–.21 51.36N 100.38E 3.9
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=4.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC XI 14 16 32 00.3–.84 51.61N–.05 100.26E–.03 10 18 1-13
ASGSR XI 14 16 31 56.0–.28 52N–2.0 100E–1.0 10 3.5 **¶621468711**
IDC XI 14 16 31 59.3–1.5 51.51N 100.19E 0 3.0,2.3L
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=4.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=26.0km s-min=10.7km az=14.0.
ISC XI 26 13 31 35.5–.77 51.44N–.03 100.47E–.02 10 59 0-6
ASGSR XI 26 13 31 30.9–.22 51N–2.0 100E–1.0 9 3.8 **¶624638598**
BYKL XI 26 13 31 35.8–.18 51.38N 100.36E 3.8
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=15.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ISC XII 17 16 01 42.8–1.0 49.96N–.04 88.12E–.03 10 36 0-6
ASGSR XII 17 16 01 41.2–.43 50N–2.0 88E–2.0 8 3.1 **¶624928363**
NNC XII 17 16 01 44.4–2.0 49.85N 87.95E 0 3.0b,2.6
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=151.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=9.2km az=73.0.
ISC XII 12 16 19 05.9–1.1 51.33N–.03 100.10E–.02 16–9 92 1-6
ASGSR XII 12 16 19 01.5–.23 51N–2.0 100E–1.0 9 3.7 **¶621654319**
BYKL XII 12 16 19 06.4–.21 51.27N 100.36E 3.7
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=4.2km s-min=2.3km az=11.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BYKL Event type se.
ASGSR XI 26 23 32 40.9–.33 50N–2.0 98E–1.0 9 3.5
¶625388354

ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 26 11 46 14.4–1.2 50.31N–.04 90.74E–.03 12–13 40 1-7
ASGSR XI 26 11 46 12.9–.32 50N–2.0 91E–1.0 10 3.4 **¶624927604**
NNC XI 26 11 46 20.7–5.8 50.34N 90.31E 0 3.5b,3.2
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=157.9.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=55.5km s-min=20.2km az=94.0.
ASGSR XI 29 22 58 23.8–.23 50N–2.0 98.2E–.90 9 3.9
¶625388361

ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
ISC XII 02 23 30 08.5–.51 50.61N–.03 89.99E–.02 10 3.7b,3.3s 93 0-84
IDC XII 02 23 30 06.5–.82 50.69N 90.23E 0 3.7,3.6L **¶621611339**
ASGSR XII 02 23 30 06.3–.24 51N–1.0 89.9E–1.0 10 4.6,3.6L
MOS XII 02 23 30 07.1–1.6 50.67N 90.20E 13 4.1b,3.6L
NNC XII 02 23 30 12.0–2.3 50.70N 89.65E 0 4.2b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=12.9km s-min=9.9km az=11.0.
ASGSR Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=157.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=13.4km s-min=10.1km az=9.8.
NNC Event type se. Error ellipse: s-maj=19.4km s-min=11.1km az=88.0.
ASGSR XII 23 16 37 55.8–.27 51N–2.0 100E–1.0 9 3.6
¶625388459

ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(334) Mongolia.

ASGSR VII 08 12 00 23.2–.39 49N–2.0 95E–1.0 9 3.9
¶625387738

ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC VII 25 19 22 24.7–7.3 47.38N 93.44E 0 3.7b,3.4
¶621252196

NNC Event type se. Error ellipse: s-maj=57.9km s-min=40.5km az=118.0.
ISC VII 30 17 16 36.9–.96 46.9N–.10 116.63E–.08 10 3.5b 13 3-72
IDC VII 30 17 16 34.1–.88 46.93N 116.37E 0 3.8s,3.7L **¶620986079**
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=9.7km az=2.0.
IDC VIII 16 11 27 45.6–5.7 46.24N 109.08E 0 2.4,2.1L
¶621030161

IDC Error ellipse: s-maj=41.7km s-min=39.5km az=130.0.
ISC VIII 25 12 51 23.9–.36 42.79N–.04 106.02E–.04 10 4.3b,3.5s 139 5-90

IDC VIII 25 12 51 21.7–.60 42.82N 106.16E 0 4.2L,4.1 ¶621007303
MOS VIII 25 12 51 22.1–1.1 42.85N 106.05E 16 4.5b,4.1
BJI VIII 25 12 51 23.1 42.83N 106.19E 10 4.8L,4.6b
NEIC VIII 25 12 51 24.4–1.1 42.86N–.07 105.93E–.04 10–1 4.4b,4.6b
GFZ VIII 25 12 51 25.4–.33 43N–4.0 106E–5.0 10 4.7,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC VIII 19 11 00 23.9–7.3 43.67N 105.68E 0 3.5,2.8L ¶621039179
IDC Error ellipse: s-maj=66.3km s-min=36.7km az=126.0.
ASGSR XI 06 14 44 21.2–.57 48N–3.0 99E–2.0 9 4.8 ¶625388303
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 03 01 04 50.0–.95 47.68N–.06 99.05E–.03 10 31 3-19
IDC XI 03 01 04 51.6–1.7 46.73N 98.91E 0 3.7,3.5L ¶621412207
ASGSR XI 03 01 04 51.9–.67 48N–3.0 99E–2.0 9 4.5,3.5L
ISC Event type ke.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ASGSR XI 03 01 23 55.5–.84 48N–4.0 99E–2.0 9 3.6 ¶625388289
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 07 16 50 33.6–.31 48.65N–.02 106.16E–.02 10 4.3b,3.7s 246 1-147
BJI IX 07 16 50 30.6 48.72N 106.21E 12 4.7b,4.5s ¶621041457
IDC IX 07 16 50 31.2–.58 48.60N 106.03E 0 4.0,3.9b
MOS IX 07 16 50 32.3–.96 48.63N 106.05E 16 4.4b,3.9b
NEIC IX 07 16 50 33.3–1.2 48.65N–.04 106.1E–.10 10–1 4.4b,3.9b
BYKL IX 07 16 50 34.9–.30 48.67N 106.05E 4.4b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=13.5km s-min=9.1km az=45.0.
MOS Error ellipse: s-maj=7.2km s-min=4.3km az=93.5.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=5.1km az=245.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se.
ISC IX 23 00 03 43.9–.49 44.95N–.03 100.57E–.03 13–3 4.8b,4.0s 527 5-135
MOS IX 23 00 03 40.9–.89 44.89N 100.62E 10 5.0b,4.2s ¶621106370
IDC IX 23 00 03 41.2–.51 44.93N 100.72E 0 4.2b,4.2
BJI IX 23 00 03 41.2 44.95N 100.61E 10 5.3L,4.8b
NEIC IX 23 00 03 42.8–1.0 44.95N–.07 100.61E–.10 10–1 4.9b,4.8b
GCMT IX 23 00 03 43.6–.40 44.89N–.03 100.72E–.02 27–1 4.7W,4.8b
GFZ IX 23 00 03 44.2–.32 45N–4.0 101E–5.0 10 5.4L,5.4b
BGR IX 23 00 04 04.2 45.86N 97.63E 33 4.8b,5.4b
ISC Event type ke.
MOS Error ellipse: s-maj=5.8km s-min=3.9km az=38.2.
IDC Error ellipse: s-maj=10.0km s-min=7.8km az=173.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=11.7km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109230003A. Moment Tensor Solution. s15,c19; s74,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.11 $M_{\theta\theta}$0.72±.09; $M_{\phi\phi}$-0.79±.08; $M_{r\theta}$0.28±.14; $M_{\theta\phi}$1.31±.05; $M_{\phi r}$0.05±.12; Best double couple: NP1:ϕ_s15.00000°,δ80.00000°,λ175.00000°. NP2:ϕ_s106.00000°,δ85.00000°,λ10.00000°. Principal axes: T 1.5280,Plg11.0000°,Azm330.0000°; N 0.0310,Plg79.0000°,Azm132.0000°; P -1.5580,Plg3.0000°,Azm240.0000° M_o1.54300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
ISC VIII 26 20 06 18.1–1.0 48.76N–.05 102.15E–.03 10 68 2-15
IDC VIII 26 20 06 16.7–1.3 48.84N 102.28E 0 3.2,2.8L ¶621059019
BYKL VIII 26 20 06 16.3–.31 48.85N 102.18E 3.2,2.8L
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=10.8km az=26.0.
BYKL Event type se.
ISC XI 03 06 59 23.9–1.1 47.98N–.06 98.75E–.03 10 3.0s 41 3-75
IDC XI 03 06 59 20.6–1.3 47.68N 99.21E 0 3.5b,3.5 ¶621412225
ASGSR XI 03 06 59 26.5–.41 48N–2.0 99E–1.0 10 4.2,3.5
ISC Event type ke.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
ASGSR XI 16 09 35 03.7–.72 46N–4.0 96E–2.0 9 3.7 ¶625388324
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
ASGSR XI 06 16 01 08.9–.77 48N–4.0 99E–2.0 8 3.7 ¶625388304
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ASGSR XI 06 23 00 25.0–.86 48N–4.0 99E–2.0 8 3.6 ¶625388305
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 11 10 13 08.0–1.2 48.46N–.06 89.24E–.04 10 30 2-7
ASGSR XI 11 10 13 08.3–.64 49N–3.0 89E–2.0 10 3.1 ¶624927073
NNC XI 11 10 13 12.2–2.8 48.55N 88.67E 0 3.2b,2.9
ISC Event type ke.
ASGSR Event type ke. Error ellipse: s-maj=7.0km s-min=3.9km az=12.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=21.5km s-min=17.6km az=69.0.
ISC XI 27 22 00 30.3–.78 42.49N–.06 104.6E–.10 35 3.7b 13 5-71
IDC XI 27 22 00 25.6–.89 42.51N 104.83E 0 3.6b,3.6 ¶621625148
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=10.6km az=92.0.
IDC XII 05 11 23 46.6–2.5 45.90N 113.40E 0 3.8L,3.6 ¶621631249
IDC Error ellipse: s-maj=40.4km s-min=12.6km az=177.0.
ISC XII 24 00 48 52.0–.51 46.82N–.03 93.05E–.03 12–3 4.5b,3.9s 453 4-146
MOS XII 24 00 48 49.4–1.0 46.75N 93.07E 8 4.8b,3.9s ¶621652211
IDC XII 24 00 48 50.0–.48 46.83N 93.15E 0 4.1b,4.1
BJI XII 24 00 48 51.2 46.83N 93.11E 9 5.1L,4.8b
NEIC XII 24 00 48 51.8–1.4 46.81N–.07 93.07E–.09 10–1 4.7b,4.8b
NNC XII 24 00 48 54.0–2.9 46.61N 92.70E 0 4.6b,4.4
GFZ XII 24 00 48 53.9–.26 47N–4.0 93E–3.0 10 5.3L,5.2b
ASGSR XII 24 00 49 04.1–.43 48N–2.0 93E–1.0 9 5.2,5.2b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 16 14 05 26.3–.88 45.40N–.09 102.71E–.07 10 11 4-68
IDC XII 16 14 05 24.2–1.4 45.44N 102.46E 0 3.8L,3.6 ¶621655784
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=14.3km az=119.0.
ISC XII 22 21 17 24.7–.31 45.80N–.04 96.54E–.04 10 4.6b,3.5s 410 5-90
NNC XII 22 21 17 21.3–3.3 45.81N 96.94E 0 4.2b,3.5s ¶621644257
BJI XII 22 21 17 22.6 45.83N 96.51E 9 4.9L,4.8b
MOS XII 22 21 17 22.7–.91 45.72N 96.58E 12 4.8b,4.8b
IDC XII 22 21 17 22.4–.65 45.77N 96.64E 0 4.2b,4.1
NEIC XII 22 21 17 24.6–1.0 45.84N–.08 96.54E–.10 10–1 4.7b,4.1
GFZ XII 22 21 17 25.2–.23 46N–4.0 97E–3.0 10 5.6L,4.9b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC XII 08 16 46 35.8–.47 43.75N–.03 101.92E–.03 11–2 4.9b,4.0s 619 5-151
BJI XII 08 16 46 32.9 43.85N 101.86E 12 5.3L,4.8b ¶621622063
IDC XII 08 16 46 33.4–.43 43.80N 101.87E 0 4.5b,4.5
MOS XII 08 16 46 34.2–1.4 43.75N 102.00E 14 4.9b,4.2s
NEIC XII 08 16 46 35.2–2.1 43.79N–.04 101.9E–.10 10–1 4.9b,4.2s
GFZ XII 08 16 46 35.2–.18 44N–4.0 102E–3.0 10 5.5L,5.3b
BGR XII 08 16 46 49.9 44.31N 100.91E 33 5.0b,5.3b
ISC Event type ke.
IDC Error ellipse: s-maj=8.8km s-min=8.6km az=126.0.
MOS Error ellipse: s-maj=5.5km s-min=3.9km az=132.9.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.5km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
BGR Event type ke.
ASGSR XII 21 16 41 26.1–.51 48N–3.0 93E–1.0 9 3.5 ¶625388440
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 24 01 05 19.3–.72 47.07N–.06 93.13E–.03 10 3.8b 55 3-79
IDC XII 24 01 05 16.8–.77 46.81N 93.18E 0 3.7b,3.6 ¶621700064
NNC XII 24 01 05 21.1–2.3 46.97N 92.81E 0 4.2b,3.8
ASGSR XII 24 01 05 30.0–.40 48N–2.0 93E–1.0 9 4.5,3.8
ISC Event type ke.
NNC Event type se.
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ASGSR XII 31 09 40 44.0–.70 47N–4.0 100E–2.0 10 3.7 ¶625388477
ASGSR Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.

SEISMIC REGION 29.
Western Asia.

(335) Ural Mountains region.

IDC VII 26 15 11 19.6–334 57.36N 57.33E 0 ¶620973851
IDC Error ellipse: s-maj=150.1km s-min=133.9km az=2.0.
ISC VIII 02 18 49 12.6–1.2 60.38N–.05 60.20E–.07 10 40 0-11
MIRAS VIII 02 18 49 16.0 60.25N 60.03E 0 3.4L ¶624956988
NNC VIII 02 18 49 19.9–4.4 59.91N 60.98E 0 3.9b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.8km s-min=19.1km az=145.0.
IDC XII 27 19 05 06.0–543 64.13N 60.02E 0 ¶621717334
IDC Error ellipse: s-maj=288.8km s-min=200.5km az=98.0.
ISC X 14 20 17 50.2–1.7 60.65N–.06 60.31E–.07 10 51 0-8
MIRAS X 14 20 17 53.7 60.26N 60.01E 1 2.8L ¶624957546
ISC Event type se.
ISC XII 03 18 45 17.3–1.5 60.55N–.05 60.37E–.05 8–9 79 0-24
IDC XII 03 18 45 20.3–1.2 60.38N 59.92E 0 3.7,3.4L ¶621630612
MIRAS XII 03 18 45 22.8 60.31N 60.04E 1 3.6L,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=10.2km az=6.0.

(336) Western Kazakhstan.

IDC VII 21 14 58 31.1–761 46.40N 63.26E 0 ¶620961662
IDC Error ellipse: s-maj=290.0km s-min=178.3km az=161.0.
IDC VIII 03 01 44 54.7–999 44.51N 64.97E 0 ¶620995829
IDC Error ellipse: s-maj=1295.0km s-min=162.9km az=141.0.
IDC VIII 10 06 25 05.6–368 48.73N 47.89E 0 ¶621008097
IDC Error ellipse: s-maj=140.8km s-min=134.6km az=6.0.
IDC IX 28 10 14 01.5–999 50.64N 54.92E 0 ¶621140825
IDC Error ellipse: s-maj=704.8km s-min=44.5km az=95.0.
IDC IX 14 18 08 38.9–404 45.78N 64.95E 0 ¶621110843
IDC Error ellipse: s-maj=199.3km s-min=114.2km az=164.0.
IDC VIII 21 22 12 47.0–609 45.97N 63.21E 0 ¶621043024
IDC Error ellipse: s-maj=245.6km s-min=116.2km az=148.0.
IDC VIII 21 22 21 28.8–999 49.19N 62.64E 0 ¶621043026
IDC Error ellipse: s-maj=788.6km s-min=78.1km az=115.0.
IDC X 13 09 46 25.3–747 48.72N 52.73E 0 ¶621238962
IDC Error ellipse: s-maj=362.5km s-min=83.4km az=62.0.
IDC X 13 11 50 48.1–502 48.57N 49.25E 0 ¶621238969
IDC Error ellipse: s-maj=189.4km s-min=119.2km az=61.0.
IDC XII 13 12 11 20.6–453 45.97N 64.89E 0 ¶621650570
IDC Error ellipse: s-maj=196.6km s-min=131.4km az=159.0.
ISC XI 14 03 48 34.7–.64 46.29N–.07 53.17E–.04 10 4.2b 56 5-32
IDC XI 14 03 48 33.9–1.1 46.07N 53.29E 0 3.9L,3.8b ¶621468637
NNC XI 14 03 48 36.3–3.5 46.18N 53.58E 0 4.2b,3.5
NEIC XI 14 03 48 36.4–2.5 46.28N–.10 53.3E–.10 12–2 4.1b,3.5
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 07 08 37 55.7–676 50.87N 51.46E 0 ¶621632653
IDC Error ellipse: s-maj=337.8km s-min=101.8km az=92.0.
IDC X 27 23 55 26.0–454 45.69N 63.88E 0 ¶621385481
IDC Error ellipse: s-maj=207.4km s-min=116.4km az=156.0.
ISC XI 14 00 50 01.2–1.1 46.3N–.10 53.25E–.06 10 21 5-27
IDC XI 14 00 49 59.9–1.6 46.20N 53.31E 0 3.5,3.4L ¶621468628
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=9.3km az=148.0.
ISC X 16 07 29 55.8–.95 46.0N–.10 53.29E–.07 35 14 5-27
IDC X 16 07 29 53.1–1.8 46.12N 53.21E 0 3.7,3.6b ¶621242111
NNC X 16 07 30 01.1–5.8 46.26N 53.61E 125–142 2.8,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=45.7km s-min=13.4km az=161.0.
NNC Event type se. Error ellipse: s-maj=66.7km s-min=54.8km az=124.0.
ISC X 19 06 20 58.3–.83 46.20N–.09 53.21E–.05 10 3.8b 28 5-71
IDC X 19 06 20 57.6–1.3 46.06N 53.20E 0 3.9,3.8b ¶621244062
NNC X 19 06 21 00.6–4.1 45.99N 53.86E 0 4.0b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=10.8km az=160.0.
NNC Event type se. Error ellipse: s-maj=33.9km s-min=23.4km az=88.0.
IDC XI 12 08 08 33.2–999 49.95N 55.21E 0 ¶621460202
IDC Error ellipse: s-maj=1542.0km s-min=43.2km az=75.0.
IDC XII 07 11 06 25.7–678 50.86N 51.33E 0 ¶621632660
IDC Error ellipse: s-maj=339.3km s-min=102.1km az=92.0.
ISC XII 20 17 31 43.3–.62 46.36N–.07 53.31E–.04 10 3.9b 43 5-71
IDC XII 20 17 31 41.8–.90 46.14N 53.36E 0 3.9L,3.9b ¶621685628

NNC XII 20 17 31 45.1–2.5 46.23N 53.83E 0 3.9b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=8.6km az=155.0.
NNC Event type se. Error ellipse: s-maj=23.1km s-min=13.9km az=93.0.
ISC XII 21 00 23 46.5–1.3 46.2N–.20 53.3E–.10 10 10 5-71
IDC XII 21 00 23 45.5–2.1 46.28N 53.30E 0 3.4L,3.4b ¶621685651
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=19.6km az=157.0.
IDC XII 27 13 11 37.9–424 46.41N 64.63E 0
¶621717318
IDC Error ellipse: s-maj=183.2km s-min=115.7km az=150.0.

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ISC VII 02 09 04 38.1–1.3 43.26N–.04 46.02E–.02 90–6 155 0-5
TIF VII 02 09 04 35.8 43.31N 46.07E 97–2 ¶620705781
MOS VII 02 09 04 37.3 43.22N 46.01E 84–2 4.4
NOGSR VII 02 09 04 37.3 43.20N 46.07E 93–2 4.3
DAGSR VII 02 09 04 39.1 43.36N 46.16E 39 4.3
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC VII 11 05 14 59.1–.91 43.51N–.02 45.13E–.02 30–8 3.5b 157 0-61
IDC VII 11 05 14 54.6–.82 43.42N 45.15E 0 3.8L,3.6 ¶620787426
TIF VII 11 05 14 56.7 43.63N 45.25E 34–1 3.8L,3.6
NOGSR VII 11 05 14 56.9 43.53N 45.20E 15–0 4.5,3.6
MOS VII 11 05 14 57.3 43.53N 45.17E 19–0 4.5,3.6
DAGSR VII 11 05 14 58.1 43.49N 45.12E 18 4.5,3.6
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=10.7km az=167.0.
NOGSR Event type se.
MOS Event type se.
DAGSR Event type se.
ISC VII 11 18 16 48.3–.80 43.27N–.02 46.25E–.02 31–6 3.6b 194 0-51
IDC VII 11 18 16 43.8–.75 43.20N 46.13E 0 3.6b,3.6 ¶620787480
TIF VII 11 18 16 44.0 43.34N 46.17E 2–1 3.6b,3.6
MOS VII 11 18 16 46.7 43.17N 46.17E 14–0 4.8,3.6
DAGSR VII 11 18 16 46.5 43.15N 46.17E 6 4.8,3.6
NOGSR VII 11 18 16 47.0 43.15N 46.19E 16–0 4.8,3.6
ISC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=9.4km az=147.0.
MOS Event type se.
DAGSR Event type se.
NOGSR Event type se.
ISC VII 13 14 38 26.4–1.9 41.80N–.05 48.98E–.08 88–10 48 1-3
AZER VII 13 14 38 18.1 42.17N 49.17E 30 2.5L ¶625024384
DAGSR VII 13 14 38 25.9 41.92N 49.00E 33 2.5L
ISC Event type se.
DAGSR Event type se.
ISC VII 14 20 27 27.2–1.1 42.52N–.02 45.53E–.02 2–10 68 1-3
MOS VII 14 20 27 25.9 42.53N 45.53E 14–0 3.9 ¶625024421
NOGSR VII 14 20 27 25.6 42.54N 45.52E 11–0 3.9
AZER VII 14 20 27 26.8 42.42N 45.54E 6 2.1L
DAGSR VII 14 20 27 28.4 42.54N 45.66E 9 2.1L
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC VII 21 09 46 55.4–.89 41.35N–.02 47.82E–.02 11–7 43 0-2
AZER VII 21 09 46 53.3 41.30N 47.86E 8 1.9L ¶625024742
MOS VII 21 09 46 54.4 41.38N 47.81E 15–0 3.4
DAGSR VII 21 09 46 55.3 41.39N 47.81E 9 3.4
NOGSR VII 21 09 46 55.5 41.34N 47.81E 8–0 3.6
ISC Event type se.
MOS Event type se.
DAGSR Event type se.
NOGSR Event type se.
ISC VII 28 00 41 26.4–.45 42.59N–.02 46.58E–.02 61–4 4.6b 1004 0-137
BGR VII 28 00 40 23.7 38.00N 53.38E 33 4.6b ¶620857179
NEIC VII 28 00 41 21.4–1.9 42.75N–.06 46.55E–.05 10–1 4.7b
CFUSG VII 28 00 41 23.0 42.51N 46.41E 0 4.3,3.4s
AZER VII 28 00 41 26.6 42.34N 46.47E 10 4.8L,3.4s
TIF VII 28 00 41 26.3 42.61N 46.66E 71–1 4.8L,3.4s
GFZ VII 28 00 41 27.1–.22 43N–2.0 47E–2.0 71 4.6b,4.2
NOGSR VII 28 00 41 27.7 42.51N 46.57E 50–0 5.5,4.2
MOS VII 28 00 41 27.8 42.50N 46.56E 49–0 5.7,4.2
DAGSR VII 28 00 41 28.1 42.51N 46.56E 33 5.7,4.2
IDC VII 28 00 41 29.4–.96 42.63N 46.45E 84–9 4.4,4.0b
NNC VII 28 00 41 44.3–3.8 43.46N 47.42E 177–36 4.0b,4.0b
PDG VII 28 00 41 45.8 42.82N 46.68E 10 4.7b,4.0b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.9km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NOGSR Event type se.
MOS Event type se.
DAGSR Event type se. #FELT I=V MSK at Siuh, Harahi, Tloch, Ingerdach, Nizh. Botlikh, Mochokh, Khunzakh, I=IV-V MSK at Untsukul, Botlikh, Arakani, Tandi,) #Rugudzha, Gunib, Dubki, Buynaksk, Tlyarata, Bezhta, I=IV MSK at Chokh, Dzhungutai, Tlyarata, Elbok, Uchkent, I=IV-III MSK at #Kakashur, Kumukh, Khasavyurt, Makhachkala, Aksai, Kaspiysk, Sergokala, I=III MSK at Urcarakh, Grozny, Izberbash.
IDC Error ellipse: s-maj=8.6km s-min=7.3km az=55.0.
NNC Event type se. Error ellipse: s-maj=67.0km s-min=29.1km az=144.0.
PDG Event type ke.
ISC VII 29 17 09 41.4–1.0 40.50N–.01 45.26E–.01 6–8 3.4b 255 0-28
NSSP VII 29 17 09 41.5 40.50N 45.30E 10 3.6s ¶620878564
MOS VII 29 17 09 41.9–.78 40.49N 45.25E 4 4.4b
TIF VII 29 17 09 41.2 40.53N 45.28E 9–1 4.4b
TEH VII 29 17 09 41.7 40.53N 45.27E 5 3.6L
ISK VII 29 17 09 42.0 40.62N 45.13E 5–0 3.4L
AZER VII 29 17 09 42.1 40.52N 45.32E 5 3.9L
IDC VII 29 17 09 42.4–1.1 40.57N 45.27E 0 3.8s,3.4b
AFAD VII 29 17 09 44.0 40.43N 45.04E 3–1 3.1L,3.4b
DAGSR VII 29 17 09 45.0 40.50N 45.14E 1 3.1L,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=8.0km s-min=4.3km az=81.5.
TEH Event type se. Presumed earthquake.
ISK Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=11.4km az=114.0.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VII 28 18 18 18.9–.88 42.61N–.02 46.26E–.01 6–6 77 0-3
MOS VII 28 18 18 17.2 42.60N 46.28E 10–0 4.4 ¶620857673
NOGSR VII 28 18 18 18.8 42.60N 46.26E 6–0 4.5
TIF VII 28 18 18 19.3 42.60N 46.10E 5–1 4.5
DAGSR VII 28 18 18 19.0 42.59N 46.26E 60 4.5
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC VII 29 22 16 59.6–1.1 42.98N–.02 46.13E–.01 6–9 3.6b 122 0-52
TIF VII 29 22 16 58.2 42.99N 46.15E 2–1 3.6b ¶620883697
MOS VII 29 22 16 58.1 42.96N 46.15E 6–0 4.0
DAGSR VII 29 22 16 59.0 43.01N 46.19E 15 4.0
IDC VII 29 22 17 00.6–3.2 43.16N 45.88E 0 3.5,3.4b
ISC Event type se.
MOS Event type se.
DAGSR Event type se.
IDC Error ellipse: s-maj=76.2km s-min=13.7km az=2.0.
ISC VIII 04 03 10 56.2–.94 41.88N–.02 46.31E–.03 16–8 46 0-2
AZER VIII 04 03 10 55.8 41.69N 46.31E 8 2.1L ¶625042621
MOS VIII 04 03 10 55.1 41.91N 46.38E 23–0 3.2
NOGSR VIII 04 03 10 55.9 41.88N 46.39E 16–0 3.2
DAGSR VIII 04 03 10 56.5 42.01N 46.45E 6 3.2
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC VIII 02 16 56 02.9–.89 40.32N–.02 47.27E–.02 33–3 3.2b 137 0-26
IDC VIII 02 16 55 58.5–1.7 40.57N 47.31E 0 3.3b,3.2 ¶620993252
NSSP VIII 02 16 56 00.4 40.20N 47.18E 20 3.3s,3.2
AZER VIII 02 16 56 01.2 40.34N 47.26E 32 3.3L,3.2
DAGSR VIII 02 16 56 01.4 40.37N 47.11E 54 3.3L,3.2
TEH VIII 02 16 56 02.1 40.34N 47.31E 28 3.0L,3.2
TIF VIII 02 16 56 02.0 40.29N 47.31E 30–1 3.0L,3.2
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=16.4km az=174.0.
DAGSR Event type se.
TEH Event type se. Presumed earthquake.
ISC VIII 09 00 48 43.2–.53 40.19N–.03 49.99E–.03 58–5 4.1b,2.8s 415 0-134
IDC VIII 09 00 48 37.5–.95 40.35N 49.85E 0 4.4L,4.1 ¶620976457
GFZ VIII 09 00 48 38.2–.20 40N–4.0 50E–2.0 10 4.0b,4.0
NEIC VIII 09 00 48 39.2–1.1 40.35N–.04 50.0E–.10 10–1 4.1b,4.0
TIF VIII 09 00 48 39.5 40.22N 50.18E 83–2 4.1b,4.0
AZER VIII 09 00 48 41.4 40.17N 49.99E 62 3.6L,4.0
TEH VIII 09 00 48 42.6 40.07N 50.05E 40 4.0L,4.0
MOS VIII 09 00 48 42.3–.93 40.18N 49.95E 65 4.1b,4.0
DAGSR VIII 09 00 48 45.3 40.34N 49.68E 1 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=9.4km az=174.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.9km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=7.2km s-min=3.6km az=132.9.
DAGSR Event type se.
ISC VIII 05 10 06 20.3–1.1 41.88N–.03 46.29E–.04 9–10 39 0-2
AZER VIII 05 10 06 20.2 41.73N 46.29E 4 2.1L ¶625042713
DAGSR VIII 05 10 06 21.6 41.97N 46.37E 6 2.1L
NOGSR VIII 05 10 06 21.0 41.94N 46.34E 12–0 3.5
ISC Event type se.
DAGSR Event type se.
NOGSR Event type se.
ISC VIII 13 04 09 24.7–1.0 42.27N–.02 47.92E–.03 15–8 65 0-4
MOS VIII 13 04 09 22.9 42.23N 47.90E 22–0 4.0 ¶625043590
AZER VIII 13 04 09 23.9 42.15N 47.87E 10 2.7L
DAGSR VIII 13 04 09 24.5 42.27N 47.97E 24 2.7L
ISC Event type se.
MOS Event type se.
DAGSR Event type se.
ISC VIII 08 22 47 49.6–.91 41.56N–.02 47.63E–.02 8–7 73 0-3
AZER VIII 08 22 47 48.2 41.58N 47.66E 11 2.6L ¶625043046
DAGSR VIII 08 22 47 50.1 41.56N 47.61E 6 2.6L
ISC Event type se.
DAGSR Event type se.
ISC VIII 12 10 03 00.6–1.3 42.32N–.03 45.99E–.05 10–11 28 0-2
MOS VIII 12 10 02 58.8 42.34N 46.02E 7–0 3.5 ¶625043508
NOGSR VIII 12 10 02 59.5 42.29N 45.96E 6–0 3.6
DAGSR VIII 12 10 03 00.6 42.32N 46.07E 6 3.6
AZER VIII 12 10 03 01.3 42.22N 46.05E 12 1.7L
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC VIII 26 08 04 05.1–.89 42.04N–.02 47.40E–.02 13–7 52 0-4
MOS VIII 26 08 04 02.9 42.03N 47.41E 18–0 3.7 ¶625044663
AZER VIII 26 08 04 04.1 41.97N 47.40E 14 2.3L
DAGSR VIII 26 08 04 04.6 42.08N 47.43E 15 2.3L
ISC Event type se.
MOS Event type se.
DAGSR Event type se.
ISC VIII 18 09 37 37.3–.89 41.56N–.02 46.54E–.03 12–6 65 0-3
AZER VIII 18 09 37 35.9 41.54N 46.51E 11 2.8L ¶625044071
DAGSR VIII 18 09 37 38.3 41.59N 46.78E 15 2.8L
ISC Event type se.
DAGSR Event type se.
ISC VIII 28 05 56 21.7–1.6 42.05N–.03 46.15E–.03 15–12 31 1-2
DAGSR VIII 28 05 56 21.5 42.10N 46.25E 6 ¶625044911
MOS VIII 28 05 56 21.2 42.09N 46.19E 24–0 3.8
AZER VIII 28 05 56 22.5 41.88N 46.12E 10 2.2L
ISC Event type se.
DAGSR Event type se.
MOS Event type se.
ISC IX 05 06 14 19.2–1.3 42.17N–.03 46.03E–.05 19–3 32 0-2
AZER IX 05 06 14 17.4 42.05N 45.94E 17 1.7L ¶625045619
MOS IX 05 06 14 18.4 42.21N 46.08E 12–0 3.3
NOGSR IX 05 06 14 19.0 42.17N 46.02E 10–0 3.4
DAGSR IX 05 06 14 19.1 42.28N 46.16E 15 3.4
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC IX 03 03 34 49.9–.64 42.18N–.01 45.96E–.01 13–4 4.7b,3.7s 791 0-132
TIF IX 03 03 34 47.6 42.19N 45.95E 11–1 4.7b,3.7s ¶621024230
IDC IX 03 03 34 47.5–.46 42.16N 45.94E 0 4.6L,4.4b
MOS IX 03 03 34 47.3 42.15N 45.98E 11–0 5.4,4.4b
AZER IX 03 03 34 47.2 42.21N 45.82E 10 4.8L,4.4b
NOGSR IX 03 03 34 47.5 42.13N 45.98E 10–0 5.2,4.4b
DAGSR IX 03 03 34 49.6 42.26N 46.15E 3 5.2,4.4b
BJI IX 03 03 34 49.0 42.40N 46.10E 5 4.8b,4.7b
NEIC IX 03 03 34 50.1–2.0 42.28N–.05 46.03E–.09 10–1 4.8b,4.7b
GFZ IX 03 03 34 51.1–.40 42N–4.0 46E–5.0 10 4.3,4.3b
BGR IX 03 03 34 52.7 42.51N 46.57E 33 4.6b,3.5s
AFAD IX 03 03 34 53.4 41.92N 45.58E 4–4 4.3L,3.5s
NNC IX 03 03 34 53.1–1.8 42.79N 46.39E 0 4.9b,3.5s
ISK IX 03 03 34 55.4 42.17N 45.38E 5–0 4.4L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=8.8km s-min=7.5km az=167.0.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se. #FELT I=II-III MSK at Botlikh.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.0km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
AFAD Event type se. Presumed earthquake.
NNC Event type se. Error ellipse: s-maj=30.0km s-min=15.9km az=131.0.
ISK Event type ke.
ISC IX 03 03 56 20.3–1.2 42.16N–.02 46.00E–.03 12–9 34 0-2
MOS IX 03 03 56 18.6 42.16N 46.01E 15–0 3.4 ¶625045449
NOGSR IX 03 03 56 19.9 42.16N 46.00E 9–0 3.5
DAGSR IX 03 03 56 20.5 42.24N 46.13E 3 3.5
AZER IX 03 03 56 21.3 41.93N 46.04E 3 1.7L
ISC Event type se.
MOS Event type se.

NOGSR Event type se.
DAGSR Event type se.
ISC IX 03 08 50 34.2–1.0 42.15N–.02 46.00E–.01 6–9 110 0-4
AZER IX 03 08 50 30.6 42.18N 45.88E 3 2.7L ¶621026098
TIF IX 03 08 50 33.2 42.19N 45.94E 13–1 2.7L
MOS IX 03 08 50 33.0 42.16N 46.02E 14–0 4.0
NOGSR IX 03 08 50 34.6 42.14N 45.96E 4–0 4.1
DAGSR IX 03 08 50 35.4 42.25N 46.14E 3 4.1
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC IX 06 02 04 24.4–1.0 42.16N–.01 45.97E–.01 4–9 253 0-16
AFAD IX 06 02 04 22.8 41.89N 46.28E 6–6 2.8L ¶621036052
NOGSR IX 06 02 04 22.8 42.17N 46.00E 12–0 4.0
TIF IX 06 02 04 22.4 42.26N 46.01E 16–1 4.0
MOS IX 06 02 04 23.0 42.17N 46.01E 13–0 4.1
AZER IX 06 02 04 24.0 41.97N 45.98E 2 2.9L
DAGSR IX 06 02 04 25.8 42.23N 45.99E 60 2.9L
ISK IX 06 02 04 25.1 42.14N 45.82E 5–0 3.3L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
NOGSR Event type se.
MOS Event type se.
DAGSR Event type se.
ISK Event type ke.
ISC IX 05 18 43 35.8–1.0 40.53N–.02 45.30E–.02 9–9 81 0-3
AZER IX 05 18 43 33.6 40.51N 45.31E 9 2.8L ¶621817665
ISK IX 05 18 43 34.3 40.58N 45.36E 6–0 2.2L
AFAD IX 05 18 43 36.4 40.49N 45.16E 7–2 2.1L
DAGSR IX 05 18 43 37.1 40.51N 45.40E 10 2.1L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC IX 07 12 31 07.4–1.1 41.75N–.02 47.36E–.02 22–5 49 0-3
MOS IX 07 12 31 05.1 41.76N 47.39E 18–0 3.7 ¶625045792
AZER IX 07 12 31 06.1 41.77N 47.41E 26 2.2L
DAGSR IX 07 12 31 07.0 41.76N 47.39E 15 2.2L
ISC Event type se.
MOS Event type se.
DAGSR Event type se.
ISC IX 11 07 48 35.2–.99 41.15N–.01 46.16E–.02 8–8 270 1-2
AZER IX 11 07 48 33.7 41.15N 46.16E 10 2.6L,2.6L ¶625046088
DAGSR IX 11 07 48 37.7 41.24N 46.11E 18 2.6L,2.6L
ISC Event type se.
DAGSR Event type se.
ISC IX 08 06 22 11.4–.85 43.13N–.02 46.00E–.01 14–6 166 0-11
NOGSR IX 08 06 22 09.9 43.11N 46.07E 14–0 4.2 ¶621041969
TIF IX 08 06 22 10.8 43.10N 45.93E 3–2 4.2
MOS IX 08 06 22 10.0 43.11N 46.06E 13–0 4.3
DAGSR IX 08 06 22 11.5 43.14N 46.02E 15 4.3
ISC Event type se.
NOGSR Event type se.
MOS Event type se.
DAGSR Event type se.
ISC IX 19 10 36 17.2–.98 43.14N–.03 46.41E–.02 6–8 142 0-11
DAGSR IX 19 10 36 15.1 43.23N 46.32E 15 ¶621083118
MOS IX 19 10 36 16.0 43.10N 46.41E 5–0 3.9
NOGSR IX 19 10 36 17.0 43.16N 46.41E 2–0 3.9
ISC Event type se.
DAGSR Event type se.
MOS Event type se.
NOGSR Event type se.
ISC IX 13 01 35 22.7–1.1 41.80N–.02 45.09E–.02 12–10 42 0-2
AZER IX 13 01 35 22.4 41.79N 45.10E 10 1.9L ¶625046213
NOGSR IX 13 01 35 23.0 41.80N 45.09E 16–0 3.0
ISC Event type se.
NOGSR Event type se.
ISC IX 13 14 56 52.6–1.4 42.58N–.04 45.90E–.04 55–11 40 0-2
MOS IX 13 14 56 51.0 42.63N 45.93E 48–0 3.6 ¶625046216
DAGSR IX 13 14 56 51.5 42.70N 45.98E 33 3.6
NOGSR IX 13 14 56 51.1 42.64N 45.92E 48–0 3.6
AZER IX 13 14 56 53.3 42.32N 46.04E 38 2.0L
ISC Event type se.
MOS Event type se.
DAGSR Event type se.
NOGSR Event type se.
ISC IX 23 19 40 05.7–.90 42.04N–.02 47.99E–.03 14–7 53 0-3
MOS IX 23 19 40 03.4 42.03N 47.97E 22–0 3.5 ¶625046691
DAGSR IX 23 19 40 04.7 42.02N 47.97E 18 3.5
AZER IX 23 19 40 05.8 41.84N 47.94E 6 2.2L
ISC Event type se.
MOS Event type se.
DAGSR Event type se.
ISC IX 25 20 16 35.6–1.1 42.16N–.02 45.94E–.02 11–10 54 1-3
MOS IX 25 20 16 34.3 42.18N 46.00E 14–0 3.7 ¶625046704
AZER IX 25 20 16 35.3 42.03N 45.95E 10 2.1L
DAGSR IX 25 20 16 35.5 42.27N 45.91E 3 2.1L
NOGSR IX 25 20 16 35.5 42.14N 45.96E 8–0 3.7
ISC Event type se.
MOS Event type se.
DAGSR Event type se.
NOGSR Event type se.
ISC IX 28 18 46 20.0–1.1 41.56N–.01 46.64E–.02 4–9 3.1b 108 0-26
AZER IX 28 18 46 17.0 41.64N 46.61E 11 3.1L ¶621140842
TIF IX 28 18 46 18.9 41.60N 46.74E 21–1 3.1L
DAGSR IX 28 18 46 19.2 41.58N 46.69E 15 3.1L
IDC IX 28 18 46 22.5–5.1 41.67N 46.67E 0 3.2b,3.1
ISC Event type se.
DAGSR Event type se.
IDC Error ellipse: s-maj=107.6km s-min=16.2km az=19.0.
ISC IX 27 00 12 54.5–1.0 42.25N–.02 47.61E–.02 4–8 50 0-3
NOGSR IX 27 00 12 52.6 42.26N 47.63E 6–0 3.4 ¶625046728
DAGSR IX 27 00 12 53.8 42.26N 47.56E 3 3.4
AZER IX 27 00 12 55.0 42.14N 47.63E 9 2.0L
ISC Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC IX 27 11 00 13.4–.88 43.20N–.02 46.44E–.02 16–7 160 0-19
TIF IX 27 11 00 11.1 43.23N 46.58E 34–3 ¶621110915
DAGSR IX 27 11 00 12.1 43.18N 46.36E 6
MOS IX 27 11 00 12.4 43.11N 46.41E 10–0 4.2
NOGSR IX 27 11 00 12.9 43.10N 46.40E 10–0 4.1
ISC Event type se.
DAGSR Event type se.
MOS Event type se.
NOGSR Event type se.
ISC IX 27 17 26 36.1–.82 43.21N–.02 46.46E–.02 18–3 3.8b 203 0-95
TIF IX 27 17 26 34.6 43.20N 46.36E 2–1 3.8b ¶621110929
IDC IX 27 17 26 34.7–.86 43.30N 46.29E 0 3.7b,3.6
DAGSR IX 27 17 26 35.3 43.17N 46.34E 6 3.7b,3.6
NOGSR IX 27 17 26 35.3 43.12N 46.41E 11–0 4.2,3.6
MOS IX 27 17 26 35.2 43.11N 46.41E 5–0 4.2,3.6
ISC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=9.6km az=160.0.
DAGSR Event type se.
NOGSR Event type se.
MOS Event type se.
ISC X 17 17 19 09.8–.81 42.93N–.02 45.94E–.01 19–2 3.8b 177 0-26
MOS X 17 17 19 07.9 42.93N 45.95E 8–0 4.1 ¶621205048
IDC X 17 17 19 08.4–1.2 43.13N 45.89E 0 3.4b,3.3
NOGSR X 17 17 19 08.7 42.92N 45.97E 22–0 4.1,3.3
DAGSR X 17 17 19 09.5 42.92N 45.98E 24 4.1,3.3
TIF X 17 17 19 09.2 42.93N 45.89E 9–2 4.1,3.3
ISC Event type se.
MOS Event type se.
IDC Error ellipse: s-maj=15.8km s-min=11.8km az=8.0.
NOGSR Event type se.
DAGSR Event type se.
ISC IX 30 19 23 12.0–1.1 42.19N–.02 46.00E–.02 6–9 106 0-3
AFAD IX 30 19 23 08.9 42.34N 46.13E 4–5 2.0L ¶625007397
MOS IX 30 19 23 10.6 42.17N 46.01E 15–0 3.8
NOGSR IX 30 19 23 11.1 42.18N 46.02E 16–0 3.8
DAGSR IX 30 19 23 12.5 42.24N 46.11E 3 3.8
AZER IX 30 19 23 12.2 42.14N 45.95E 17 2.5L
ISC Event type se.
AFAD Event type se. Presumed earthquake.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC X 01 05 28 01.4–.77 41.43N–.02 48.57E–.03 25–5 3.9b 120 0-31
IDC X 01 05 27 49.4–5.1 40.58N 49.07E 0 3.9b,3.7 ¶621113781
AZER X 01 05 28 01.7 41.33N 48.46E 12 3.1L,3.7
MOS X 01 05 28 02.9 41.47N 48.37E 21–0 4.2,3.7
DAGSR X 01 05 28 02.1 41.38N 48.44E 9 4.2,3.7
ISC Event type se.
IDC Error ellipse: s-maj=77.7km s-min=22.0km az=178.0.
MOS Event type se.
DAGSR Event type se.
ISC X 18 10 49 12.9–1.1 41.26N–.01 45.82E–.01 7–10 126 0-3
NOGSR X 18 10 49 11.9 41.23N 45.84E 4–0 3.9 ¶621208879
MOS X 18 10 49 12.0 41.24N 45.82E 9–0 4.0
AZER X 18 10 49 12.3 41.25N 45.79E 3 2.9L
NSSP X 18 10 49 13.0 41.20N 45.70E 10 3.0s
DAGSR X 18 10 49 13.6 41.32N 45.91E 30 3.0s
TIF X 18 10 49 13.4 41.27N 45.82E 39–0 3.0s
ISC Event type se.
NOGSR Event type se.
MOS Event type se.
DAGSR Event type se.
ISC X 29 19 07 33.7–1.0 42.31N–.02 45.77E–.02 16–9 84 0-4
MOS X 29 19 07 31.8 42.31N 45.79E 19–0 3.8 ¶625047049
NOGSR X 29 19 07 32.1 42.33N 45.80E 13–0 3.7
AZER X 29 19 07 33.8 42.21N 45.61E 20 2.6L
DAGSR X 29 19 07 33.7 42.33N 45.87E 15 2.6L
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC X 20 08 44 12.9–.88 41.63N–.03 48.26E–.04 16–5 38 0-2
MOS X 20 08 44 12.4 41.64N 48.13E 15–0 3.2 ¶625046948
NOGSR X 20 08 44 12.8 41.68N 48.08E 10–0 3.6
AZER X 20 08 44 12.3 41.58N 48.23E 21 1.8L
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
ISC X 22 14 05 35.6–1.0 42.55N–.02 45.42E–.02 14–9 61 1-2
MOS X 22 14 05 34.2 42.58N 45.45E 16–0 3.8 ¶625046972
NOGSR X 22 14 05 34.5 42.58N 45.45E 16–0 3.8
DAGSR X 22 14 05 34.8 42.58N 45.51E 6 3.8
AZER X 22 14 05 36.7 42.48N 45.17E 10 2.6L
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC X 28 18 50 32.1–1.1 41.42N–.02 45.42E–.03 10–11 48 0-3
MOS X 28 18 50 31.0 41.37N 45.44E 24–0 3.2 ¶625047039
NOGSR X 28 18 50 32.6 41.36N 45.45E 19–0 3.3
AZER X 28 18 50 32.3 41.33N 45.46E 29 2.3L
DAGSR X 28 18 50 33.9 41.43N 45.50E 54 2.3L
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC X 20 04 45 42.3–.60 43.16N–.02 45.54E–.01 14–4 4.6b,4.0s 658 0-133
BJI X 20 04 45 37.3 43.40N 45.07E 10 4.9b,4.6s ¶621221501
IDC X 20 04 45 39.5–.48 43.08N 45.46E 0 4.4,4.3L
MOS X 20 04 45 40.8 43.03N 45.55E 13–0 5.3,4.3L
NOGSR X 20 04 45 41.1 42.99N 45.54E 17–0 5.3,4.3L
NEIC X 20 04 45 41.9–.67 43.25N–.04 45.57E–.07 10–1 4.8b,4.3L
GCMT X 20 04 45 41.4–.30 43.22N–.02 45.59E–.05 17–1 4.8W,4.3L
TIF X 20 04 45 42.1 43.03N 45.53E 13–0 4.8W,4.3L
DAGSR X 20 04 45 42.4 43.00N 45.56E 15 4.8W,4.3L
ISK X 20 04 45 42.4 43.20N 45.24E 5–0 4.6L,4.3L
GFZ X 20 04 45 43.9–.23 43N–3.0 46E–3.0 10 5.2b,5.0L
ISC Event type ke.
MOS Event type se.
NOGSR Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110200445A. Moment Tensor Solution. s12,c13; s72,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.40±.11 $M_{\theta\theta}$-1.31±.08; $M_{\phi\phi}$-0.09±.06; $M_{r\theta}$-0.91±.16; $M_{\theta\phi}$0.14±.04; $M_{\phi r}$0.25±.17; Best double couple: NP1:ϕ_s92.00000°,δ28.00000°,λ82.00000°. NP2:ϕ_s281.00000°,δ62.00000°,λ94.00000°. Principal axes: T 1.7010,Plg72.0000°,Azm202.0000°; N -0.0940,Plg4.0000°,Azm99.0000°; P -1.6160,Plg17.0000°,Azm8.0000° $M_0$1.65800×10^{16}
DAGSR Event type se. #FELT I=V MSK at Alkhan-Yurt, Goity, I=IV-V MSK at Urus-Martan, Alkhan-Kala, Oktyabrskoe, Chernorechye, Alkhazurovo, Goy-Chu, #I=IV MSK at Martan-Chu, Gekhi, Khambi-Irze, Krasnostepnovskoye, Katayama, Andreevskaya Dolina, Grozny, Prigorodnoye, Gikalo, #Starye Atagi, Duba-Yurt, Lakha-Varanda, Chiri-Yurt, I=IV MSK at Nalchik, Gudauri.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 24 15 17 30.4–1.2 42.73N–.02 46.19E–.02 56–5 220 0-21
TIF X 24 15 17 27.9 42.79N 46.26E 60–2 ¶621238292
AZER X 24 15 17 28.7 42.37N 46.13E 8 3.0L
MOS X 24 15 17 28.5 42.72N 46.21E 58–1 4.2
NOGSR X 24 15 17 29.1 42.72N 46.21E 58–1 4.3
DAGSR X 24 15 17 29.2 42.74N 46.13E 69 4.3
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC X 24 21 52 30.7–1.0 41.48N–.02 45.05E–.02 21–2 135 0-4
AZER X 24 21 52 26.9 41.49N 45.02E 10 2.9L ¶621821170
MOS X 24 21 52 27.9 41.45N 45.14E 6–0 3.7
NOGSR X 24 21 52 27.3 41.48N 45.15E 10–0 3.6
ISK X 24 21 52 28.0 41.41N 45.26E 3–0 2.4L
TIF X 24 21 52 29.3 41.51N 45.05E 28–0 2.4L
DAGSR X 24 21 52 31.1 41.58N 45.19E 30 2.4L
ISC Event type ke.
MOS Event type se.
NOGSR Event type se.
ISK Event type ke.
DAGSR Event type se.
ISC X 30 23 15 32.8–1.2 42.40N–.03 45.39E–.02 4–10 56 1-2
MOS X 30 23 15 32.1 42.40N 45.39E 19–0 3.3 ¶625047054
AZER X 30 23 15 32.8 42.33N 45.32E 3 2.1L
DAGSR X 30 23 15 33.8 42.47N 45.51E 6 2.1L

NOGSR	X	30 23 15 33.1	42.37N	45.38E	16–0	3.3		
ISC		Event type se.						
MOS		Event type se.						
DAGSR		Event type se.						
NOGSR		Event type se.						
ISC	**XI**	**03 10 23 37.6–1.1**	**42.31N–.02**	**46.00E–.03**	**10–9**		**34**	**0-2**
MOS	XI	03 10 23 35.3	42.32N	45.99E	7–0	3.5		**¶625047089**
NOGSR	XI	03 10 23 35.2	42.32N	45.97E	6–0	3.6		
AZER	XI	03 10 23 36.1	42.21N	45.94E	16	1.9L		
ISC		Event type se.						
MOS		Event type se.						
NOGSR		Event type se.						
ISC	**X**	**31 23 44 13.8–.94**	**42.05N–.02**	**46.06E–.02**	**13–8**		**109**	**0-4**
TIF	X	31 23 44 13.0	42.09N	46.04E	23–0			**¶622130539**
MOS	X	31 23 44 13.4	42.10N	46.12E	14–0	3.6		
NOGSR	X	31 23 44 13.4	42.10N	46.11E	14–0	3.6		
DAGSR	X	31 23 44 13.9	42.14N	46.11E	6	3.6		
AZER	X	31 23 44 13.0	41.97N	45.89E	39	2.8L		
ISC		Event type se.						
MOS		Event type se.						
NOGSR		Event type se.						
DAGSR		Event type se.						
ISC	**X**	**31 09 28 54.0–1.1**	**43.84N–.03**	**45.39E–.02**	**20–3**		**136**	**0-11**
TIF	X	31 09 28 53.5	43.75N	45.35E	17–2			**¶621244728**
NOGSR	X	31 09 28 53.9	43.71N	45.42E	24–0	3.9		
MOS	X	31 09 28 54.2	43.69N	45.40E	20–0	4.0		
DAGSR	X	31 09 28 54.3	43.39N	45.21E	18	4.0		
ISC		Event type se.						
NOGSR		Event type se.						
MOS		Event type se.						
DAGSR		Event type se.						
ISC	**XI**	**01 10 16 49.1–1.1**	**43.65N–.03**	**45.38E–.02**	**11–9**		**154**	**0-26**
MOS	XI	01 10 16 47.9	43.67N	45.40E	10–0	4.1		**¶621245030**
TIF	XI	01 10 16 48.7	43.66N	45.35E	11–1	4.1		
NOGSR	XI	01 10 16 48.4	43.66N	45.43E	16–0	4.0		
DAGSR	XI	01 10 16 49.8	43.60N	45.36E	18	4.0		
ISC		Event type se.						
MOS		Event type se.						
NOGSR		Event type se.						
DAGSR		Event type se.						
ISC	**XI**	**11 00 46 08.4–.98**	**42.38N–.02**	**45.39E–.02**	**17–9**		**58**	**1-2**
MOS	XI	11 00 46 06.8	42.40N	45.39E	20–0	3.2		**¶625047185**
NOGSR	XI	11 00 46 07.9	42.37N	45.37E	15–0	3.3		
AZER	XI	11 00 46 08.1	42.25N	45.36E	14	2.0L		
DAGSR	XI	11 00 46 08.3	42.38N	45.47E	15	2.0L		
ISC		Event type se.						
MOS		Event type se.						
NOGSR		Event type se.						
DAGSR		Event type se.						
ISC	**XI**	**04 22 56 26.5–1.1**	**41.27N–.01**	**45.67E–.01**	**4–9**		**206**	**0-17**
AZER	XI	04 22 56 23.6	41.27N	45.73E	2	3.5L		**¶621361545**
NSSP	XI	04 22 56 25.7	41.27N	45.60E	10	3.4s		
TIF	XI	04 22 56 26.3	41.21N	45.62E	47–0	3.4s		
MOS	XI	04 22 56 26.4–.72	41.27N	45.65E	9	4.1b		
DAGSR	XI	04 22 56 27.9	41.47N	45.73E	18	4.1b		
ISC		Event type se.						
MOS		Error ellipse: s-maj=5.9km s-min=4.1km az=80.4.						
DAGSR		Event type se.						
ISC	**XI**	**13 08 51 54.5–.90**	**42.99N–.02**	**47.22E–.02**	**13–6**		**154**	**0-22**
TIF	XI	13 08 51 53.4	43.04N	47.17E	5–1			**¶621402735**
MOS	XI	13 08 51 53.8	42.96N	47.15E	14–0	4.1		
NOGSR	XI	13 08 51 53.0	42.96N	47.15E	6–0	4.0		
DAGSR	XI	13 08 51 53.6	43.00N	47.15E	9	4.0		
ISC		Event type se.						
MOS		Event type se.						
NOGSR		Event type se.						
DAGSR		Event type se.						
ISC	**XI**	**15 00 16 27.8–.76**	**43.11N–.02**	**45.53E–.01**	**32–6**		**184**	**0-26**
IDC	XI	15 00 16 23.6–4.0	43.04N	45.52E	0	3.7b,3.6		**¶621403209**
MOS	XI	15 00 16 26.4	43.01N	45.53E	23–0	4.5,3.6		
NOGSR	XI	15 00 16 26.2	43.01N	45.54E	21–0	4.5,3.6		
DAGSR	XI	15 00 16 27.5	43.03N	45.54E	18	4.5,3.6		
TIF	XI	15 00 16 27.2	43.00N	45.52E	12–1	4.5,3.6		
NNC	XI	15 00 16 36.4–4.8	43.75N	45.83E	91–43	3.0b,3.6		
ISC		Event type se.						
IDC		Error ellipse: s-maj=88.9km s-min=18.9km az=5.0.						
MOS		Event type se.						
NOGSR		Event type se.						
DAGSR		Event type se.						
NNC		Event type se. Error ellipse: s-maj=53.5km s-min=35.9km az=129.0.						
ISC	**XI**	**27 12 00 39.1–1.2**	**41.81N–.02**	**46.37E–.04**	**10–9**		**53**	**0-2**
AZER	XI	27 12 00 39.0	41.70N	46.36E	11	2.6L		**¶625047375**
DAGSR	XI	27 12 00 40.4	41.92N	46.48E	6	2.6L		
ISC		Event type se.						
DAGSR		Event type se.						
ISC	**XI**	**20 12 46 08.8–.41**	**40.66N–.02**	**48.58E–.02**	**32–2**	**4.9b,3.9s**	**918**	**0-135**
GFZ	XI	20 12 45 59.5–.88	41N–7.0	50E–8.0	10	5.4b,5.4L		**¶621427720**
MOS	XI	20 12 46 04.1–1.5	40.59N	48.80E	9	5.1b,5.4L		
IDC	XI	20 12 46 04.4–.55	40.70N	48.65E	0	4.5L,4.5b		
THR	XI	20 12 46 05.7–.00	40.65N	48.80E	12–562	4.9L,4.5b		
NEIC	XI	20 12 46 06.1–1.3	40.73N–.07	48.71E–.09	10–1	5.1b,5.0		
BJI	XI	20 12 46 07.8	40.88N	48.45E	41	5.0b,4.7b		
TIF	XI	20 12 46 08.1	40.63N	48.80E	79–2	5.0b,4.7b		
NNC	XI	20 12 46 09.2–2.3	41.26N	48.99E	0	5.0b,4.7b		
AZER	XI	20 12 46 10.5	40.65N	48.52E	41	5.1L,4.7b		
TEH	XI	20 12 46 11.1	40.66N	48.52E	40	5.0L,4.7b		
DAGSR	XI	20 12 46 11.4	40.85N	48.61E	18	5.0L,4.7b		
GCMT	XI	20 12 46 13.1–.20	40.75N–.02	48.63E–.02	37–1	5.0W,4.7b		
ISC		Event type se.						
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.						
MOS		Event type fe. Felt (III-IV) at Shamakhi; (III) at Baku; (II-III) at Stepanakert. Moment Tensor Solution.						
THR		Event type se. Presumed earthquake.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
NNC		Event type se.						
TEH		Event type se. Presumed earthquake.						
DAGSR		Event type se.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111201246A. Moment Tensor Solution. s24,c30; s93,c136; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01±.21 $M_{\theta\theta}$3.16±.14; $M_{\phi\phi}$-3.15±.13; $M_{r\theta}$1.18±.17; $M_{\theta\phi}$-1.72±.10; $M_{\phi r}$-0.33±.14; Best double couple: NP1:ϕ_s58.00000°,δ78.00000°,λ168.00000°. NP2:ϕ_s151.00000°,δ78.00000°,λ13.00000°. Principal axes: T 3.9750,Plg17.0000°,Azm14.0000°; N -0.3900,Plg73.0000°,Azm193.0000°; P -3.5890,Plg1.0000°,Azm284.0000° M_o3.78200×10^{16}						
ISC	**XI**	**20 12 48 22.7–.62**	**40.64N–.02**	**48.58E–.02**	**43–5**	**4.3b,3.8s**	**177**	**0-130**
IDC	XI	20 12 48 16.4–.76	40.58N	48.59E	0	4.8L,4.2b		**¶621590357**
NEIC	XI	20 12 48 18.2–.94	40.6N–.10	48.6E–.10	10–1	4.5b,4.2b		
MOS	XI	20 12 48 18.6–1.2	40.61N	48.98E	15	4.7b,4.2b		
DAGSR	XI	20 12 48 21.8	40.69N	48.64E	30	4.7b,4.2b		
AZER	XI	20 12 48 22.9	40.68N	48.57E	44	4.5L,4.2b		
ISC		Event type se.						
IDC		Error ellipse: s-maj=21.6km s-min=16.9km az=171.0.						
NEIC		Event type se. Error ellipse: s-maj=23.3km s-min=13.1km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
MOS		Error ellipse: s-maj=8.6km s-min=6.1km az=118.4.						
DAGSR		Event type se.						
ISC	**XII**	**02 23 22 56.9–.77**	**42.97N–.02**	**47.09E–.02**	**11–5**	**4.0b,3.2s**	**235**	**0-60**
IDC	XII	02 23 22 55.4–.69	42.97N	47.03E	0	3.8L,3.8b		**¶621611298**
TIF	XII	02 23 22 56.6	42.95N	47.07E	6–1	3.8L,3.8b		
MOS	XII	02 23 22 56.3	42.93N	47.05E	7–0	4.7,3.8b		
DAGSR	XII	02 23 22 56.5	42.90N	47.04E	6	4.7,3.8b		
NEIC	XII	02 23 22 57.9–.76	43.11N–.08	47.11E–.10	10–1	4.1b,3.8b		
NOGSR	XII	02 23 22 57.6	42.94N	47.07E	5–0	4.6,3.8b		
ISC		Event type se.						
IDC		Error ellipse: s-maj=11.7km s-min=7.9km az=164.0.						
MOS		Event type se.						
DAGSR		Event type se. #FELT I=II-III MSK at Makhachkala.						
NEIC		Event type se. Error ellipse: s-maj=14.1km s-min=11.8km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
NOGSR		Event type se.						
ISC	**XII**	**07 03 38 17.9–.74**	**41.79N–.02**	**46.87E–.02**	**55–5**	**3.6b**	**235**	**0-26**
IDC	XII	07 03 38 11.9–1.1	41.89N	46.95E	0	3.5L,3.5b		**¶621615820**
NSSP	XII	07 03 38 15.4	41.55N	46.87E	10	3.0s,3.5b		
TIF	XII	07 03 38 17.4	41.81N	46.95E	58–1	3.0s,3.5b		
AZER	XII	07 03 38 17.4	41.74N	46.81E	29	3.5L,3.5b		
MOS	XII	07 03 38 17.4	41.79N	46.86E	51–0	4.4,3.5b		
DAGSR	XII	07 03 38 17.5	41.75N	46.84E	33	4.4,3.5b		
ISC		Event type se.						
IDC		Error ellipse: s-maj=15.8km s-min=11.3km az=155.0.						
MOS		Event type se.						
DAGSR		Event type se.						
ISC	**XII**	**04 23 14 21.9–1.0**	**42.30N–.02**	**45.79E–.03**	**15–8**		**44**	**0-2**
MOS	XII	04 23 14 20.6	42.33N	45.79E	20–0	3.3		**¶625047457**
NOGSR	XII	04 23 14 21.2	42.29N	45.77E	15–0	3.3		
DAGSR	XII	04 23 14 21.9	42.30N	45.91E	15	3.3		
AZER	XII	04 23 14 22.1	42.10N	45.77E	6	1.6L		
ISC		Event type se.						
MOS		Event type se.						
NOGSR		Event type se.						
DAGSR		Event type se.						
ISC	**XII**	**06 03 12 53.8–.96**	**42.42N–.03**	**45.83E–.02**	**16–8**		**46**	**0-2**
NOGSR	XII	06 03 12 51.5	42.41N	45.82E	9–0	3.5		**¶625047472**
AZER	XII	06 03 12 52.8	42.24N	45.82E	1	1.7L		
DAGSR	XII	06 03 12 52.9	42.48N	46.03E	3	1.7L		
ISC		Event type se.						
NOGSR		Event type se.						
DAGSR		Event type se.						
ISC	**XII**	**10 16 21 09.6–1.3**	**42.30N–.03**	**46.62E–.04**	**52–8**		**50**	**0-4**
AZER	XII	10 16 21 08.4	42.21N	46.60E	27	2.2L		**¶621627193**
NOGSR	XII	10 16 21 08.0	42.35N	46.70E	53–0	3.6		
DAGSR	XII	10 16 21 08.3	42.30N	46.69E	54	3.6		
ISC		Event type se.						
NOGSR		Event type se.						
DAGSR		Event type se.						
ISC	**XII**	**20 19 36 30.1–1.1**	**42.44N–.02**	**45.16E–.02**	**6–10**		**73**	**1-3**
MOS	XII	20 19 36 28.1	42.49N	45.18E	11–0	3.4		**¶625047631**
NOGSR	XII	20 19 36 29.5	42.42N	45.15E	8–0	3.5		
DAGSR	XII	20 19 36 30.7	42.43N	45.30E	9	3.5		
AZER	XII	20 19 36 31.1	42.37N	45.05E	12	2.4L		
ISC		Event type se.						
MOS		Event type se.						
NOGSR		Event type se.						
DAGSR		Event type se.						
ISC	**XII**	**14 03 50 49.5–1.2**	**42.42N–.02**	**46.70E–.02**	**45–6**		**95**	**0-4**
TIF	XII	14 03 50 45.7	42.51N	46.85E	31–1			**¶621629154**
DAGSR	XII	14 03 50 46.8	42.47N	46.69E	39			
AZER	XII	14 03 50 47.6	42.27N	46.63E	40	2.9L		
MOS	XII	14 03 50 47.4	42.46N	46.72E	49–0	3.9		
NOGSR	XII	14 03 50 47.7	42.45N	46.71E	44–0	3.8		
ISC		Event type se.						
DAGSR		Event type se.						
MOS		Event type se.						
NOGSR		Event type se.						
ISC	**XII**	**12 02 18 58.0–1.1**	**41.67N–.02**	**45.87E–.02**	**7–9**		**94**	**0-4**
AZER	XII	12 02 18 58.0	41.55N	45.91E	11	2.6L		**¶622130554**
TIF	XII	12 02 18 58.0	41.70N	45.87E	39–0	2.6L		
DAGSR	XII	12 02 18 59.5	41.82N	45.86E	9	2.6L		
ISC		Event type se.						
DAGSR		Event type se.						
ISC	**XII**	**14 15 31 38.8–.92**	**40.53N–.01**	**45.28E–.01**	**12–7**	**3.6b**	**230**	**0-51**
IDC	XII	14 15 31 37.0–.98	40.55N	45.43E	0	3.5b,3.4		**¶621629979**
NSSP	XII	14 15 31 37.7	40.50N	45.30E	10	3.4s,3.4		
MOS	XII	14 15 31 38.7–.64	40.47N	45.26E	11	4.2b,3.4		
TEH	XII	14 15 31 38.6	40.52N	45.27E	6	3.5L,3.4		
AZER	XII	14 15 31 38.3	40.53N	45.28E	3	3.8L,3.4		
TIF	XII	14 15 31 38.3	40.53N	45.27E	13–1	3.8L,3.4		
ISK	XII	14 15 31 41.9	40.37N	45.09E	5–0	3.2L,3.4		
AFAD	XII	14 15 31 41.5	40.45N	44.98E	2–2	3.1L,3.4		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=14.4km s-min=11.8km az=152.0.						
MOS		Event type fe. Error ellipse: s-maj=7.5km s-min=4.9km az=79.8. Felt (III-IV) at Agartsin, Artanish, Drakhtik, Shorzha, Gandzakar; (III) at Chambarak, Gavar, Razdan, Idzhevan; (II-III) at Abovyan, Sevan. Moment Tensor Solution.						
TEH		Event type se. Presumed earthquake.						
ISK		Event type ke.						
AFAD		Event type se. Presumed earthquake.						
ISC	**XII**	**18 07 26 23.3–1.2**	**42.57N–.03**	**47.96E–.04**	**12–8**		**56**	**0-4**
MOS	XII	18 07 26 22.3	42.54N	47.92E	24–0	3.8		**¶621633482**
AZER	XII	18 07 26 24.6	42.32N	47.92E	3	2.3L		
ISC		Event type se.						
MOS		Event type se.						
ISC	**XII**	**23 03 59 20.4–1.4**	**43.17N–.04**	**47.24E–.03**	**4–10**		**63**	**0-11**
MOS	XII	23 03 59 20.7	42.99N	47.12E	3–0	3.9		**¶621648341**
TIF	XII	23 03 59 21.2	42.98N	47.20E	1–3	3.9		
DAGSR	XII	23 03 59 21.0	43.06N	47.20E	15	3.9		
ISC		Event type se.						
MOS		Event type se.						
DAGSR		Event type se.						
ISC	**XII**	**21 14 42 29.5–.84**	**42.93N–.03**	**47.02E–.02**	**13–5**		**60**	**0-11**
MOS	XII	21 14 42 29.2	42.89N	46.97E	11–0	3.9		**¶621636625**
DAGSR	XII	21 14 42 29.9	42.91N	46.93E	9	3.9		
ISC		Event type se.						
MOS		Event type se.						
DAGSR		Event type se.						
ISC	**XII**	**29 01 29 42.6–.99**	**42.82N–.02**	**45.66E–.01**	**14–8**		**169**	**0-14**
AFAD	XII	29 01 29 39.0	43.22N	45.69E	3–3	2.6L		**¶621656491**
MOS	XII	29 01 29 41.7	42.79N	45.69E	44–0	4.0		
TIF	XII	29 01 29 42.7	42.84N	45.65E	16–0	4.0		
NOGSR	XII	29 01 29 43.5	42.74N	45.70E	41–0	4.0		
DAGSR	XII	29 01 29 43.8	42.74N	45.78E	15	4.0		
ISC		Event type se.						
AFAD		Event type se. Presumed earthquake.						
MOS		Event type se.						
NOGSR		Event type se.						
DAGSR		Event type se.						
ISC	**XII**	**23 21 42 47.1–1.1**	**41.28N–.02**	**46.35E–.02**	**9–10**		**65**	**0-2**
AZER	XII	23 21 42 46.8	41.27N	46.34E	13	2.3L		**¶625047656**
NOGSR	XII	23 21 42 47.0	41.27N	46.37E	11–0	3.4		
DAGSR	XII	23 21 42 48.0	41.41N	46.48E	9	3.4		
ISC		Event type se.						
NOGSR		Event type se.						
DAGSR		Event type se.						
ISC	**XII**	**29 09 15 45.3–.57**	**41.87N–.02**	**48.64E–.03**	**51–5**	**4.0b,2.8s**	**297**	**0-75**
NEIC	XII	29 09 15 40.2–1.6	41.9N–.10	48.6E–.10	10–2	4.3b,2.8s		**¶621656525**
IDC	XII	29 09 15 40.2–1.1	41.96N	48.46E	0	3.9L,3.9b		
MOS	XII	29 09 15 44.7	41.88N	48.60E	21–0	4.7,3.9b		
AZER	XII	29 09 15 46.5	41.92N	48.41E	48	3.9L,3.9b		
TIF	XII	29 09 15 47.8	41.82N	48.45E	54–3	3.9L,3.9b		

DAGSR	XII	29 09 15 48.0	41.79N	48.63E	9	3.9L,3.9b	
NNC	XII	29 09 15 56.1–4.5	42.06N	49.92E	38–42	3.6b,3.9b	

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=13.7km az=156.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.0km s-min=9.8km az=161.0.
MOS Event type se.
DAGSR Event type se.
NNC Event type se. Error ellipse: s-maj=33.3km s-min=24.3km az=134.0.

(338) Caspian Sea.

ISC	**VII**	**05 00 02 28.8–1.7**	**39.36N–.04**	**51.97E–.04**	**15–11**	**3.6b**	**95 2-75**
IDC	VII	05 00 02 27.4–2.1	39.55N	52.02E	0	3.7b,3.6	**¶620927916**
TEH	VII	05 00 02 28.7	39.36N	52.02E	10	3.6L,3.6	
AZER	VII	05 00 02 31.8	39.32N	51.91E	43	3.2L,3.6	

ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=17.6km az=157.0.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**12 07 11 06.6–1.6**	**40.42N–.04**	**50.27E–.08**	**70–8**		**64 0-5**
AZER	VII	12 07 11 05.6	40.26N	50.16E	62	2.9L	**¶625024343**
DAGSR	VII	12 07 11 12.7	40.51N	49.83E	20	2.9L	
TEH	VII	12 07 11 16.8	39.22N	49.67E	10	2.5L	

ISC Event type se.
DAGSR Event type se.
TEH Event type se. Presumed earthquake.

ISC	**IX**	**10 17 34 53.5–1.6**	**42.21N–.04**	**48.67E–.06**	**22–11**		**49 0-3**
NOGSR	IX	10 17 34 51.5	42.17N	48.62E	14–0	3.2	**¶625046032**
MOS	IX	10 17 34 52.0	42.18N	48.62E	19–0	3.2	
DAGSR	IX	10 17 34 53.3	42.18N	48.69E	24	3.2	
AZER	IX	10 17 34 54.2	41.98N	48.57E	2	1.9L	

ISC Event type se.
NOGSR Event type se.
MOS Event type se.
DAGSR Event type se.

ISC	**IX**	**18 07 53 37.9–1.4**	**39.06N–.03**	**49.16E–.05**	**6–11**		**54 0-5**
TEH	IX	18 07 53 34.0	39.23N	49.49E	12	2.8L	**¶625046526**
AZER	IX	18 07 53 38.9	38.95N	48.97E	3	2.7L	

ISC Event type se.
TEH Event type se. Presumed earthquake.

ISC	**IX**	**13 17 52 37.3–1.7**	**41.96N–.04**	**49.14E–.06**	**15–9**		**66 1-3**
AZER	IX	13 17 52 36.7	42.06N	49.03E	62	2.5L	**¶625046219**
DAGSR	IX	13 17 52 39.4	42.04N	49.07E	24	2.5L	

ISC Event type se.
DAGSR Event type se.

ISC	**IX**	**23 15 20 16.2–1.6**	**41.58N–.03**	**49.16E–.06**	**23–14**		**88 1-5**
AZER	IX	23 15 20 13.3	41.64N	49.06E	8	2.7L	**¶621109256**
MOS	IX	23 15 20 14.3–.50	41.63N	49.20E	24	3.8b	
DAGSR	IX	23 15 20 14.3	41.52N	49.17E	24	3.8b	

ISC Event type se.
MOS Error ellipse: s-maj=23.0km s-min=6.5km az=37.2.
DAGSR Event type se.

ISC	**X**	**02 18 59 51.8–1.5**	**39.61N–.05**	**52.19E–.08**	**10**		**64 3-12**
TEH	X	02 18 59 51.1	39.57N	52.19E	10	3.5L	**¶624925693**
AZER	X	02 18 59 53.3	39.56N	52.27E	54	3.2L	

ISC Event type se.
TEH Event type se. Presumed earthquake.

ISC	**X**	**07 14 12 21.0–1.2**	**40.54N–.06**	**51.82E–.08**	**92–17**	**3.3b**	**48 2-26**
IDC	X	07 14 12 14.7–6.5	40.68N	51.73E	0	3.6,3.5b	**¶621217217**
AZER	X	07 14 12 20.8	40.44N	51.78E	62	3.2L,3.5b	

ISC Event type se.
IDC Error ellipse: s-maj=137.0km s-min=21.1km az=3.0.

ISC	**X**	**07 11 01 51.0–1.1**	**41.17N–.02**	**49.05E–.03**	**5–7**	**3.6b**	**163 0-29**
IDC	X	07 11 01 50.4–1.6	41.18N	49.11E	0	3.8b,3.8	**¶621131603**
AZER	X	07 11 01 50.1	41.12N	48.78E	2	3.4L,3.8	
DAGSR	X	07 11 01 51.9	41.08N	48.78E	9	3.4L,3.8	
MOS	X	07 11 01 52.0–.79	41.17N	49.01E	7	4.0b,3.8	

ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=12.5km az=162.0.
DAGSR Event type se.
MOS Error ellipse: s-maj=8.7km s-min=4.9km az=130.8.

ISC	**X**	**18 12 06 57.1–2.6**	**39.74N–.07**	**51.83E–.06**	**14–15**		**33 2-27**
IDC	X	18 12 06 54.5–4.6	39.47N	51.96E	0	3.7b,3.6	**¶621244029**
AZER	X	18 12 07 00.5	39.49N	51.19E	61	3.0L,3.6	

ISC Event type se.
IDC Error ellipse: s-maj=76.0km s-min=25.3km az=179.0.

ISC	**X**	**16 17 44 29.5–1.7**	**40.82N–.05**	**51.87E–.06**	**24–13**	**3.3b**	**59 1-38**
IDC	X	16 17 44 27.2–3.0	40.76N	51.50E	0	3.7,3.5L	**¶621242134**
AZER	X	16 17 44 33.4	40.50N	51.73E	45	3.1L,3.5L	

ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=16.1km az=179.0.

ISC	**XI**	**16 06 46 36.3–1.2**	**42.48N–.02**	**48.41E–.03**	**9–9**		**142 1-22**
AZER	XI	16 06 46 35.6	42.41N	48.39E	12	3.1L	**¶621409449**
MOS	XI	16 06 46 35.6	42.47N	48.40E	34–0	4.2	
DAGSR	XI	16 06 46 37.1	42.45N	48.24E	9	4.2	

ISC Event type se.
MOS Event type se.
DAGSR Event type se.

ISC	**XII**	**05 15 25 58.1–1.7**	**39.43N–.05**	**51.87E–.08**	**10**		**59 3-6**
TEH	XII	05 15 25 54.5	39.51N	51.91E	10	2.8L	**¶625047461**
AZER	XII	05 15 25 59.7	39.43N	51.67E	15	3.2L	

ISC Event type se.
TEH Event type se. Presumed earthquake.

ISC	**XI**	**30 09 21 28.0–.68**	**40.31N–.03**	**50.92E–.04**	**58–7**	**4.0b**	**286 1-98**
IDC	XI	30 09 21 21.4–.95	40.34N	50.70E	0	4.1,4.0L	**¶621499196**
MOS	XI	30 09 21 22.6–1.2	40.43N	51.10E	8	4.4b,4.0L	
NEIC	XI	30 09 21 23.7–1.5	40.45N–.08	50.87E–.07	10–1	4.3b,4.0L	
TEH	XI	30 09 21 27.8	40.19N	50.94E	60	4.1L,4.0L	
AZER	XI	30 09 21 27.2	40.23N	50.83E	62	3.8L,4.0L	
DAGSR	XI	30 09 21 30.4	40.23N	50.61E	8	3.8L,4.0L	
NNC	XI	30 09 21 32.8–1.8	41.01N	51.47E	0	4.3b,4.0L	

ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=9.0km az=14.0.
MOS Error ellipse: s-maj=6.4km s-min=4.5km az=134.3.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.0km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
DAGSR Event type se.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=11.3km az=69.0.

ISC	**XI**	**26 23 44 44.4–.86**	**40.22N–.05**	**51.68E–.05**	**79–11**	**3.4b**	**117 1-130**
DAGSR	XI	26 23 44 23.8	39.42N	53.37E	35	3.4b	**¶621622035**
IDC	XI	26 23 44 38.9–1.9	40.21N	51.43E	0	3.7,3.5b	
AZER	XI	26 23 44 43.5	40.13N	51.60E	62	3.4L,3.5b	
MOS	XI	26 23 44 43.8–1.2	40.43N	51.60E	42	4.3b,3.5b	
NNC	XI	26 23 44 49.5–8.6	40.88N	52.37E	0	3.8b,3.5b	

ISC Event type se.
DAGSR Event type se.
IDC Error ellipse: s-maj=32.5km s-min=12.5km az=172.0.
MOS Error ellipse: s-maj=9.1km s-min=6.8km az=34.2.
NNC Event type se. Error ellipse: s-maj=75.8km s-min=51.6km az=62.0.

ISC	**XII**	**25 03 49 51.7–.58**	**40.97N–.03**	**50.57E–.04**	**64–7**	**3.9b**	**261 1-76**
AZER	XII	25 03 49 49.6	40.85N	50.52E	62	3.9L	**¶621653204**
NEIC	XII	25 03 49 51.7–1.6	41.16N–.10	50.35E–.10	35–2	4.0b	
DAGSR	XII	25 03 49 51.3	40.78N	50.41E	81	4.0b	
IDC	XII	25 03 49 51.2–2.4	41.07N	50.20E	36–19	4.1L,3.8	
MOS	XII	25 03 49 52.3–.88	41.27N	50.54E	64	4.1b,3.8	
NNC	XII	25 03 49 59.4–1.3	41.40N	51.22E	46–12	4.0b,3.8	

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=12.5km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DAGSR Event type se.
IDC Error ellipse: s-maj=21.4km s-min=12.2km az=166.0.
MOS Error ellipse: s-maj=7.0km s-min=4.7km az=44.1.
NNC Event type se. Error ellipse: s-maj=10.3km s-min=8.9km az=119.0.

(339) Northwestern Uzbekistan.

ISC	**VIII**	**11 07 01 05.0–.67**	**40.50N–.02**	**63.34E–.03**	**7–4**	**4.8b,3.8s**	**577 0-145**
ISU	VIII	11 07 01 03	40.46N	63.33E	14	4.8b,3.8s	**¶620980020**
IDC	VIII	11 07 01 04.0–.46	40.36N	63.34E	0	4.6,4.5b	
BJI	VIII	11 07 01 05.3	40.47N	63.57E	10	4.9b,4.6b	
MOS	VIII	11 07 01 05.4–1.1	40.64N	63.46E	18	5.0b,4.6b	
NEIC	VIII	11 07 01 05.8–2.2	40.54N–.07	63.32E–.08	10–1	4.9b,4.6b	
GFZ	VIII	11 07 01 06.3–.25	41N–5.0	63E–3.0	10	4.8b,4.5	
NNC	VIII	11 07 01 09.8–2.0	40.72N	63.48E	58–30	4.7b,4.7	
BGR	VIII	11 07 01 11.0	40.72N	63.60E	33	4.6b,4.7	

ISC Event type ke.
IDC Error ellipse: s-maj=11.9km s-min=8.0km az=174.0.
MOS Error ellipse: s-maj=4.4km s-min=3.9km az=18.4.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.5km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=21.3km s-min=9.0km az=36.0.
BGR Event type ke.

(340) Turkmenistan.

ISC	**VIII**	**04 08 50 34.9–1.4**	**40.08N–.09**	**54.17E–.08**	**10**		**10 4-11**
TEH	VIII	04 08 50 35.7	39.82N	54.20E	10	3.5L	**¶625422380**

ISC Event type se.
TEH Event type se. Presumed earthquake.

ISC	**VIII**	**10 17 57 32.1–.96**	**40.62N–.05**	**52.31E–.05**	**42–15**	**3.5b**	**85 2-71**
IDC	VIII	10 17 57 27.1–1.8	40.48N	52.08E	0	3.7,3.6L	**¶621008133**
AZER	VIII	10 17 57 34.1	40.38N	52.02E	62	4.0L,3.6L	
NNC	VIII	10 17 57 41.3–5.5	41.31N	53.15E	0	3.7b,3.6L	

ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=13.2km az=163.0.
NNC Event type se. Error ellipse: s-maj=46.2km s-min=32.6km az=58.0.

ISC	**VIII**	**28 21 56 02.5–.88**	**39.26N–.07**	**55.02E–.05**	**29**	**3.5b**	**30 2-25**
TEH	VIII	28 21 55 59.7	39.06N	55.08E	9	3.4L	**¶621073135**
IDC	VIII	28 21 56 02.7–2.0	39.54N	55.09E	0	3.4,3.3b	

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=33.1km s-min=16.6km az=171.0.

ISC	**XI**	**13 21 14 44.6–.96**	**40.70N–.05**	**52.07E–.05**	**44–17**	**3.6b**	**88 1-39**
IDC	XI	13 21 14 41.1–1.8	40.82N	51.78E	0	3.6,3.5b	**¶621468618**
AZER	XI	13 21 14 45.2	40.46N	51.71E	12	3.4L,3.5b	
NNC	XI	13 21 14 51.8–5.4	41.25N	52.80E	0	3.6b,3.5b	

ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=12.8km az=158.0.
NNC Event type se. Error ellipse: s-maj=46.3km s-min=34.1km az=70.0.

ISC	**IX**	**27 02 29 05.9–1.1**	**40.15N–.07**	**52.89E–.06**	**10**		**32 4-11**
TEH	IX	27 02 29 04.5	40.07N	52.90E	10	3.3L	**¶625424015**
DAGSR	IX	27 02 29 16.6	39.83N	52.19E	5	3.3L	

ISC Event type se.
TEH Event type se. Presumed earthquake.
DAGSR Event type se.

ISC	**X**	**07 08 49 54.6–.83**	**39.60N–.07**	**54.67E–.06**	**10**	**3.7b,3.0s**	**54 2-34**
IDC	X	07 08 49 52.7–2.1	39.39N	54.58E	0	3.7,3.5b	**¶621217207**
TEH	X	07 08 49 52.8	39.52N	54.69E	10	3.8L,3.5b	

ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=16.0km az=165.0.
TEH Event type se. Presumed earthquake.

ISC	**X**	**23 18 58 20.1–.90**	**39.39N–.07**	**54.92E–.06**	**29**	**3.5b**	**30 2-25**
TEH	X	23 18 58 12.9	39.50N	54.88E	10	3.4L	**¶621309388**
IDC	X	23 18 58 15.5–2.2	39.07N	54.79E	0	3.4,3.2b	

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=33.5km s-min=16.2km az=173.0.

ISC	**XI**	**03 02 31 19.4–1.4**	**37.10N–.09**	**62.62E–.10**	**10**		**16 2-11**
TEH	XI	03 02 31 17.0	37.14N	62.76E	10	3.4L	**¶624926771**

ISC Event type se.
TEH Event type se. Presumed earthquake.

ISC	**IX**	**30 00 53 52.8–1.5**	**40.23N–.06**	**52.43E–.06**	**50**		**55 3-5**
TEH	IX	30 00 53 47.9	40.26N	52.46E	10	3.7L	**¶625046755**
AZER	IX	30 00 53 52.8	40.16N	52.29E	62	3.2L	

ISC Event type se.
TEH Event type se. Presumed earthquake.

ISC	**XI**	**19 14 40 23.2–1.3**	**40.49N–.07**	**52.16E–.09**	**49**		**24 2-11**
AZER	XI	19 14 40 27.4	40.38N	51.75E	62	2.9L	**¶624927364**

ISC Event type se.

ISC	**XII**	**27 11 41 52.7–.82**	**39.09N–.06**	**55.61E–.06**	**10**		**19 1-25**
TEH	XII	27 11 41 52.3	38.98N	55.55E	26	3.4L	**¶621717310**
IDC	XII	27 11 41 55.0–6.0	39.40N	55.58E	0	3.4b,3.4	

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=119.0km s-min=18.5km az=4.0.

(341) Iran-Turkmenistan border region.

ISC	**VIII**	**14 13 52 08.9–.82**	**36.75N–.05**	**59.95E–.04**	**10**		**15 0-12**
TEH	VIII	14 13 52 08.9	36.71N	59.92E	14	3.3L	**¶625422643**

ISC Event type se.
TEH Event type se. Presumed earthquake.

ISC	**VIII**	**22 20 45 56.1–.70**	**37.29N–.05**	**57.72E–.05**	**14**	**3.5b,3.4s**	**41 0-50**
TEH	VIII	22 20 45 54.2	37.17N	57.67E	6	3.3L,3.4s	**¶621043124**
IDC	VIII	22 20 45 55.4–2.6	37.17N	57.61E	0	3.8,3.5b	

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=39.1km s-min=19.9km az=169.0.

ISC	**IX**	**13 04 38 22.8–.92**	**37.14N–.05**	**58.90E–.06**	**10**		**20 0-13**
TEH	IX	13 04 38 20.3	37.07N	58.81E	6	3.5L	**¶624940279**

ISC Event type se.
TEH Event type se. Presumed earthquake.

ISC	**XI**	**13 07 21 02.1–.72**	**37.82N–.05**	**57.51E–.04**	**18**		**27 1-25**
TEH	XI	13 07 21 00.4	37.70N	57.40E	6	3.5L	**¶621468588**
IDC	XI	13 07 21 06.7–7.6	38.36N	57.67E	0	3.3,3.2b	

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=151.5km s-min=35.0km az=177.0.

ISC	**IX**	**13 04 02 32.7–.23**	**37.26N–.03**	**58.93E–.02**	**10**	**4.9b,4.5s**	**938 0-127**
TEH	IX	13 04 02 31.1	37.06N	58.84E	8	5.2L,4.5s	**¶621070938**
BJI	IX	13 04 02 31.0	37.20N	58.90E	10	5.1s,5.1b	
IDC	IX	13 04 02 31.1–.46	37.09N	58.89E	0	4.7,4.6b	
THR	IX	13 04 02 32.0–.00	37.08N	58.84E	12–8	5.5L,4.6b	
NEIC	IX	13 04 02 32.5–1.8	37.29N–.07	58.89E–.07	10–1	5.1b,4.6b	
MOS	IX	13 04 02 33.8–1.5	37.23N	58.94E	32	5.2b,4.4s	
GFZ	IX	13 04 02 33.9	37.18N	58.92E	12	5.0W,4.4s	
GCMT	IX	13 04 02 33.4–.20	37.05N–.01	58.81E–.01	17–0	5.1W,4.4s	
GFZ	IX	13 04 02 33.9–.12	37N–3.0	59E–1.0	10	5.4b,5.0	
DSN	IX	13 04 02 35.9–1.6	37.17N	58.48E	10	4.8b,4.2s	
NNC	IX	13 04 02 35.4–5.5	37.59N	58.98E	5–50	5.1b,4.2s	
BGR	IX	13 04 02 59.6	38.00N	56.28E	33	4.9b,4.2s	

ISC Event type ke.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=11.3km s-min=7.8km az=2.0.
THR Event type se. Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.6km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=4.2km s-min=3.6km az=34.5.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}0.55 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$0.01 $M_{r\theta}$-0.23 $M_{\theta\phi}$3.46 $M_{\phi r}$0.42 NP1: ϕ_s177.74512°,δ88.15479°,λ-173.46273°. NP2:ϕ_s87.53370°,δ83.46613°,λ-1.85728°.
Principal axes: T 3.2075,Plg3.3074°,Azm312.4682°; N 0.5863,Plg83.2084°,Azm193.4397° ; P -3.7938,Plg5.9252°,Azm42.8119° M_o3.53731×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109130402A. Moment Tensor Solution. s52,c68; s122,c210; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.45±.13 $M_{\theta\theta}$-0.79±.12; $M_{\phi\phi}$0.33±.10; $M_{r\theta}$-1.03±.31; $M_{\theta\phi}$5.61±.10; $M_{\phi r}$1.23±.28; Best double couple: NP1:ϕ_s86.00000°,δ79.00000° ,λ-8.00000°. NP2:ϕ_s178.00000°,δ83.00000°,λ-169.00000°. Principal axes:
T 5.4210,Plg3.0000°,Azm312.0000°; N 0.8210,Plg76.0000°,Azm211.0000° ; P -6.2430,Plg13.0000°,Azm42.0000° M_o5.83200×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DSN Error ellipse: s-maj=28.0km s-min=4.9km az=65.0.
NNC Event type se. Error ellipse: s-maj=45.7km s-min=22.1km az=35.0.
BGR Event type ke.

(343) Turkey-Iran border region.

ISC	**VII**	**15 01 59 47.2–1.1**	**38.40N–.02**	**44.38E–.02**	**8–9**			**57**	**0-3**
AZER	VII	15 01 59 45.1	38.38N	44.51E	10	2.4L			**¶621194589**
ISK	VII	15 01 59 45.4	38.26N	44.40E	5–0	2.5L			
TEH	VII	15 01 59 45.3	38.66N	44.34E	12	2.6L			
AFAD	VII	15 01 59 47.5	38.38N	44.30E	7–2	2.3L			
ISC	Event type ke.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
AFAD	Event type se. Presumed earthquake.								
ISC	**VII**	**27 09 22 46.4–1.5**	**38.33N–.06**	**44.89E–.06**	**11–12**			**15**	**1-3**
AZER	VII	27 09 22 45.9	38.36N	44.89E	10	2.2L			**¶625041911**
TEH	VII	27 09 22 46.7	38.31N	44.90E	16	2.5L			
ISC	Event type se.								
TEH	Event type se. Presumed earthquake.								
ISC	**VIII**	**20 06 54 27.6–1.1**	**38.52N–.02**	**44.34E–.01**	**0–9**	**3.4b**		**140**	**0-36**
IDC	VIII	20 06 54 25.8–2.1	38.31N	44.68E	0	3.6b,3.5			**¶621041245**
AZER	VIII	20 06 54 27.2	38.52N	44.41E	9	3.7L,3.5			
NSSP	VIII	20 06 54 27.0	38.50N	44.25E	10	3.5s,3.5			
AFAD	VIII	20 06 54 27.8	38.61N	44.30E	9–3	3.5L,3.5			
ISK	VIII	20 06 54 28.2	38.50N	44.23E	3–0	3.4L,3.5			
TEH	VIII	20 06 54 28.9	38.56N	44.29E	6	3.2L,3.5			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=34.0km s-min=19.2km az=129.0.								
AFAD	Event type se. Presumed earthquake.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
ISC	**VIII**	**06 14 39 42.4–1.1**	**38.66N–.02**	**44.71E–.02**	**7–10**			**64**	**1-4**
AFAD	VIII	06 14 39 39.2	38.74N	44.86E	8–6	2.6L			**¶625006267**
AZER	VIII	06 14 39 43.2	38.73N	44.80E	7	3.0L			
TEH	VIII	06 14 39 48.3	38.56N	45.14E	6	2.5L			
ISC	Event type se.								
AFAD	Event type se. Presumed earthquake.								
TEH	Event type se. Presumed earthquake.								
ISC	**VIII**	**20 07 16 08.7–1.3**	**38.54N–.05**	**44.22E–.03**	**11–11**			**18**	**1-2**
AZER	VIII	20 07 16 05.8	38.54N	44.31E	4	2.6L			**¶621369765**
ISK	VIII	20 07 16 07.8	38.53N	44.22E	2–0	2.5L			
ISC	Event type ke.								
ISK	Event type ke.								
ISC	**VIII**	**20 07 21 03.5–.61**	**38.55N–.02**	**44.29E–.01**	**4–4**	**3.9b,3.0s**		**286**	**0-71**
NSSP	VIII	20 07 20 59.8	38.43N	44.25E	10	4.2s,3.0s			**¶620998481**
AZER	VIII	20 07 21 00.5	38.53N	44.26E	2	4.2L,3.0s			
ISK	VIII	20 07 21 01.0	38.52N	44.30E	5–0	3.9L,3.0s			
MOS	VIII	20 07 21 02.4–.94	38.59N	44.21E	6	4.1b,3.0s			
TEH	VIII	20 07 21 03.1	38.56N	44.28E	6	3.8L,3.0s			
AFAD	VIII	20 07 21 03.0	38.57N	44.34E	5–2	3.7L,3.0s			
IDC	VIII	20 07 21 03.6–.91	38.57N	44.14E	0	3.9b,3.9			
NEIC	VIII	20 07 21 04.2–1.5	38.60N–.05	44.23E–.05	5–2	4.0b,3.9			
MCSM	VIII	20 07 21 04.5–.50	39N–6.0	44E–4.0	8–3	4.3,3.9b			
ISC	Event type ke.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
AFAD	Event type se. Presumed earthquake.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**04 02 31 07.1–1.2**	**38.50N–.02**	**44.36E–.02**	**0–10**			**85**	**0-12**
ISK	IX	04 02 31 03.9	38.28N	44.52E	10–0	3.1L			**¶621817574**
NSSP	IX	04 02 31 03.4	38.43N	44.20E	10	3.3s			
AZER	IX	04 02 31 05.0	38.52N	44.44E	4	3.1L			
TEH	IX	04 02 31 06.9	38.51N	44.34E	7	2.8L			
AFAD	IX	04 02 31 07.2	38.47N	44.29E	7–2	2.9L			
ISC	Event type ke.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
AFAD	Event type se. Presumed earthquake.								
ISC	**VIII**	**20 08 27 57.6–1.2**	**38.52N–.03**	**44.30E–.02**	**1–11**			**54**	**0-3**
ISK	VIII	20 08 27 52.2	38.18N	44.51E	11–0	2.7L			**¶621369772**
AFAD	VIII	20 08 27 56.8	38.58N	44.26E	5–6	2.4L			
AZER	VIII	20 08 27 58.1	38.49N	44.44E	24	2.7L			
TEH	VIII	20 08 27 59.7	38.62N	44.36E	10	2.5L			
ISC	Event type ke.								
ISK	Event type ke.								
AFAD	Event type se. Presumed earthquake.								
TEH	Event type se. Presumed earthquake.								
ISC	**VIII**	**31 08 04 58.0–1.8**	**38.64N–.06**	**44.57E–.08**	**10**			**20**	**1-3**
TEH	VIII	31 08 04 56.8	38.69N	44.52E	10	2.8L			**¶625045209**
AZER	VIII	31 08 05 00.5	38.68N	44.75E	10	2.4L			
ISC	Event type se.								
TEH	Event type se. Presumed earthquake.								
ISC	**IX**	**06 07 39 08.4–1.2**	**38.33N–.02**	**44.91E–.02**	**1–10**			**87**	**1-4**
AFAD	IX	06 07 39 05.5	38.34N	45.02E	6–4	3.3L			**¶621817684**
NSSP	IX	06 07 39 07.7	38.37N	45.10E	10	3.2s			
ISK	IX	06 07 39 09.3	38.17N	44.75E	11–0	3.1L			
AZER	IX	06 07 39 09.1	38.34N	45.02E	10	3.2L			
TEH	IX	06 07 39 09.8	38.36N	44.97E	8	2.9L			
ISC	Event type ke.								
AFAD	Event type se. Presumed earthquake.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
ISC	**IX**	**06 07 54 30.6–1.2**	**38.34N–.03**	**44.90E–.03**	**3–12**			**29**	**1-3**
AFAD	IX	06 07 54 28.0	38.32N	45.01E	4–3	2.6L			**¶625006773**
TEH	IX	06 07 54 31.0	38.39N	44.79E	10	2.9L			
AZER	IX	06 07 54 34.0	38.32N	45.01E	4	2.7L			
ISC	Event type se.								
AFAD	Event type se. Presumed earthquake.								
TEH	Event type se. Presumed earthquake.								
ISC	**IX**	**07 23 33 11.3–1.1**	**38.61N–.02**	**44.38E–.02**	**4–10**			**66**	**0-4**
AFAD	IX	07 23 33 09.9	38.63N	44.42E	4–5	2.5L			**¶621817786**
ISK	IX	07 23 33 09.0	38.47N	44.47E	5–0	2.8L			
AZER	IX	07 23 33 10.9	38.63N	44.36E	31	3.0L			
TEH	IX	07 23 33 12.6	38.64N	44.45E	8	2.9L			
ISC	Event type ke.								
AFAD	Event type se. Presumed earthquake.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
ISC	**IX**	**06 12 20 17.8–1.4**	**37.44N–.03**	**44.34E–.04**	**2–9**	**3.5b**		**82**	**0-68**
ISN	IX	06 12 20 15.5–.49	37.55N	44.21E	11–21	4.1L			**¶621094255**
AFAD	IX	06 12 20 15.7	37.43N	44.38E	8–2	3.9L			
TEH	IX	06 12 20 16.3	37.45N	44.37E	6	3.9L			
IDC	IX	06 12 20 16.8–.99	37.18N	44.27E	0	3.7,3.6L			
ISK	IX	06 12 20 20.9	37.76N	44.47E	5–0	4.0L,3.6L			
ISC	Event type ke.								
ISN	Event type se. Error ellipse: s-maj=20.9km s-min=5.9km az=-1.0. Presumed earthquake.								
AFAD	Event type se. Presumed earthquake.								
TEH	Event type se. Presumed earthquake.								
IDC	Error ellipse: s-maj=17.5km s-min=10.0km az=133.0.								
ISK	Event type ke.								
ISC	**IX**	**12 10 31 05.0–1.2**	**38.35N–.03**	**44.43E–.02**	**2–10**			**48**	**0-3**
ISK	IX	12 10 31 01.9	38.14N	44.44E	3–0	3.0L			**¶621818180**
AZER	IX	12 10 31 02.9	38.36N	44.39E	7	3.0L			
TEH	IX	12 10 31 05.6	38.34N	44.48E	6	2.7L			
AFAD	IX	12 10 31 05.1	38.38N	44.39E	7–4	2.7L			
ISC	Event type ke.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
AFAD	Event type se. Presumed earthquake.								
ISC	**IX**	**15 19 50 37.6–1.1**	**38.54N–.02**	**44.21E–.02**	**4–10**			**94**	**0-4**
NSSP	IX	15 19 50 34.5	38.50N	44.25E	10	3.2s			**¶621818469**
ISK	IX	15 19 50 35.5	38.51N	44.28E	5–0	3.2L			
TEH	IX	15 19 50 35.2	38.56N	44.08E	6	2.7L			
AFAD	IX	15 19 50 37.9	38.49N	44.18E	10–2	3.5W			
AZER	IX	15 19 50 38.2	38.44N	44.48E	11	3.2L			
ISC	Event type ke.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
AFAD	Event type se. Presumed earthquake.								
ISC	**IX**	**19 23 16 59.0–1.2**	**38.37N–.03**	**44.43E–.02**	**3–10**			**57**	**0-3**
ISK	IX	19 23 16 58.4	38.28N	44.40E	5–0	2.6L			**¶621818767**
TEH	IX	19 23 16 59.0	38.49N	44.40E	8	2.5L			
AFAD	IX	19 23 16 59.2	38.33N	44.42E	7–4	2.4L			
AZER	IX	19 23 16 59.5	38.36N	44.66E	3	2.5L			
ISC	Event type ke.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
AFAD	Event type se. Presumed earthquake.								
ISC	**X**	**30 21 05 46.8–1.3**	**38.29N–.04**	**44.05E–.03**	**8–11**			**35**	**0-3**
ISK	X	30 21 05 44.6	38.34N	44.17E	5–0	2.5L			**¶621821511**
AZER	X	30 21 05 46.7	38.26N	44.15E	25	2.0L			
AFAD	X	30 21 05 47.1	38.37N	44.12E	7–7	1.9L			
ISC	Event type ke.								
ISK	Event type ke.								
AFAD	Event type se. Presumed earthquake.								
ISC	**X**	**15 13 37 34.3–1.1**	**38.33N–.03**	**44.48E–.02**	**17–9**			**46**	**1-3**
AFAD	X	15 13 37 33.7	38.39N	44.53E	8–5	2.6L			**¶625008422**
AZER	X	15 13 37 33.3	38.32N	44.36E	20	2.8L			
ISC	Event type se.								
AFAD	Event type se. Presumed earthquake.								
ISC	**X**	**31 04 27 00.7–1.3**	**38.37N–.04**	**44.51E–.03**	**9–11**			**32**	**1-3**
TEH	X	31 04 26 59.8	38.42N	44.45E	10	2.6L			**¶621821549**
ISK	X	31 04 26 59.0	38.35N	44.50E	5–0	2.3L			
AZER	X	31 04 27 00.8	38.37N	44.65E	16	2.6L			
ISC	Event type ke.								
TEH	Event type se. Presumed earthquake.								
ISK	Event type ke.								
ISC	**X**	**31 03 19 25.5–1.1**	**38.52N–.02**	**44.57E–.02**	**2–10**			**87**	**0-4**
ISK	X	31 03 19 23.8	38.39N	44.60E	7–0	2.7L			**¶621821544**
AFAD	X	31 03 19 23.4	38.69N	44.66E	6–4	2.7L			
NSSP	X	31 03 19 25.2	38.45N	44.53E	10	3.0s			
AZER	X	31 03 19 25.7	38.49N	44.64E	12	2.9L			
TEH	X	31 03 19 26.7	38.64N	44.52E	9	2.6L			
ISC	Event type ke.								
ISK	Event type ke.								
AFAD	Event type se. Presumed earthquake.								
TEH	Event type se. Presumed earthquake.								
ISC	**XI**	**05 06 53 10.7–1.2**	**38.58N–.03**	**44.57E–.02**	**2–11**			**38**	**0-3**
AFAD	XI	05 06 53 09.2	38.54N	44.65E	7–4	2.1L			**¶625008691**
AZER	XI	05 06 53 11.2	38.57N	44.58E	10	2.5L			
TEH	XI	05 06 53 11.1	38.63N	44.45E	28	2.8L			
ISC	Event type se.								
AFAD	Event type se. Presumed earthquake.								
TEH	Event type se. Presumed earthquake.								
ISC	**XII**	**20 18 07 35.0–1.1**	**38.66N–.03**	**44.60E–.02**	**8–10**			**48**	**0-3**
AFAD	XII	20 18 07 32.5	38.68N	44.68E	5–4	2.5L			**¶621824966**
AZER	XII	20 18 07 34.0	38.64N	44.61E	10	2.7L			
TEH	XII	20 18 07 34.9	38.70N	44.57E	8	2.6L			
ISK	XII	20 18 07 36.8	38.77N	44.42E	7–0	2.4L			
ISC	Event type ke.								
AFAD	Event type se. Presumed earthquake.								
TEH	Event type se. Presumed earthquake.								
ISK	Event type ke.								
ISC	**XII**	**13 03 23 20.5–1.1**	**38.66N–.03**	**44.82E–.02**	**5–10**			**63**	**1-4**
ISK	XII	13 03 23 19.5	38.54N	44.84E	5–0	2.5L			**¶621824580**
AZER	XII	13 03 23 20.8	38.76N	44.86E	2	2.7L			
TEH	XII	13 03 23 20.2	38.65N	44.68E	6	2.9L			
AFAD	XII	13 03 23 21.7	38.69N	44.68E	7–5	2.2L			
ISC	Event type ke.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
AFAD	Event type se. Presumed earthquake.								
ISC	**XII**	**14 09 57 01.3–1.2**	**38.47N–.04**	**44.37E–.02**	**19–3**			**38**	**1-2**
AFAD	XII	14 09 56 57.8	38.39N	44.51E	6–3	2.2L			**¶621824640**
ISK	XII	14 09 56 58.0	38.28N	44.45E	4–0	2.3L			
AZER	XII	14 09 57 00.9	38.52N	44.43E	18	2.3L			
TEH	XII	14 09 57 00.1	38.53N	44.42E	2	2.6L			
ISC	Event type ke.								
AFAD	Event type se. Presumed earthquake.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
ISC	**XII**	**20 15 20 52.0–1.1**	**38.60N–.02**	**44.60E–.02**	**9–10**			**56**	**0-3**
ISK	XII	20 15 20 48.4	38.34N	44.73E	5–0	2.9L			**¶621824960**
AZER	XII	20 15 20 51.1	38.61N	44.61E	10	2.7L			
TEH	XII	20 15 20 51.6	38.65N	44.54E	10	2.7L			
AFAD	XII	20 15 20 53.0	38.61N	44.49E	12–5	2.6L			
ISC	Event type ke.								
ISK	Event type ke.								
TEH	Event type se. Presumed earthquake.								
AFAD	Event type se. Presumed earthquake.								
ISC	**XII**	**20 15 23 06.7–1.1**	**38.62N–.03**	**44.57E–.02**	**5–11**			**46**	**0-3**
TEH	XII	20 15 23 04.6	38.59N	44.48E	10	2.5L			**¶621824961**
AZER	XII	20 15 23 05.9	38.63N	44.63E	10	2.4L			
AFAD	XII	20 15 23 07.1	38.58N	44.53E	7–4	2.2L			
ISK	XII	20 15 23 08.5	38.74N	44.35E	5–0	2.2L			
ISC	Event type ke.								
TEH	Event type se. Presumed earthquake.								
AFAD	Event type se. Presumed earthquake.								
ISK	Event type ke.								
ISC	**XII**	**11 13 49 20.1–1.2**	**38.63N–.03**	**44.67E–.02**	**6–11**			**32**	**1-3**
TEH	XII	11 13 49 19.8	38.69N	44.70E	12	2.5L			**¶625009336**
AFAD	XII	11 13 49 20.4	38.61N	44.61E	7–3	1.7L			
AZER	XII	11 13 49 20.6	38.64N	44.88E	5	2.2L			
ISC	Event type se.								
TEH	Event type se. Presumed earthquake.								
AFAD	Event type se. Presumed earthquake.								
ISC	**XII**	**20 16 32 10.7–1.1**	**38.60N–.03**	**44.58E–.03**	**10–10**			**38**	**0-3**
AFAD	XII	20 16 32 08.8	38.68N	44.69E	6–6	2.3L			**¶621824963**
AZER	XII	20 16 32 10.1	38.62N	44.63E	11	2.5L			
ISK	XII	20 16 32 12.5	38.66N	44.37E	9–0	2.5L			
ISC	Event type ke.								
AFAD	Event type se. Presumed earthquake.								

ISK	Event type ke.							
ISC	**XII**	**26 02 12 35.6–1.1**	**38.34N–.02**	**44.42E–.02**	**5–10**		**72**	**0-3**
ISK	XII	26 02 12 35.9	38.33N	44.32E	5–0	2.4L		**¶621825331**
AFAD	XII	26 02 12 35.5	38.34N	44.33E	2–1	2.4L		
AZER	XII	26 02 12 35.0	38.32N	44.49E	9	2.7L		
TEH	XII	26 02 12 36.6	38.42N	44.46E	6	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISC	**XII**	**27 04 16 24.0–1.3**	**37.93N–.04**	**44.76E–.03**	**13–11**		**32**	**1-3**
AFAD	XII	27 04 16 23.6	37.94N	44.76E	6–4	2.5L		**¶621816378**
TEH	XII	27 04 16 23.4	37.94N	44.69E	7	2.7L		
ISK	XII	27 04 16 28.2	38.12N	44.52E	6–0	2.5L		
ISC	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISK	Event type ke.							
ISC	**XII**	**27 23 49 25.0–1.2**	**37.93N–.03**	**44.75E–.02**	**7–11**		**45**	**1-3**
ISK	XII	27 23 49 22.8	37.69N	44.77E	2–0	2.8L		**¶621816424**
AFAD	XII	27 23 49 25.0	37.93N	44.73E	8–4	2.3L		
TEH	XII	27 23 49 25.0	37.93N	44.68E	6	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							

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ISC	**VII**	**10 15 19 03.7–1.0**	**39.47N–.02**	**44.02E–.02**	**7–9**		**52**	**0-2**
AZER	VII	10 15 19 01.4	39.46N	44.05E	2	2.4L		**¶621194333**
TEH	VII	10 15 19 02.0	39.43N	43.81E	12	2.6L		
ISK	VII	10 15 19 02.4	39.36N	44.06E	14–0	2.3L		
AFAD	VII	10 15 19 03.7	39.48N	43.97E	7–6	2.2L		
ISC	Event type ke.							
TEH	Event type se. Presumed earthquake.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
ISC	**VII**	**19 17 56 24.3–1.3**	**38.43N–.03**	**45.13E–.04**	**6–12**		**25**	**0-3**
AZER	VII	19 17 56 23.2	38.43N	45.11E	9	2.2L		**¶625024650**
TEH	VII	19 17 56 24.8	38.36N	45.15E	7	2.5L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**VII**	**30 12 36 17.3–1.1**	**39.08N–.04**	**46.11E–.04**	**13–11**		**12**	**0-2**
TEH	VII	30 12 35 59.6	40.09N	46.30E	10	2.6L		**¶625042103**
AZER	VII	30 12 36 16.8	39.07N	46.12E	3	1.7L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**IX**	**09 18 27 54.6–1.6**	**38.04N–.07**	**45.64E–.07**	**21–2**		**15**	**0-2**
AZER	IX	09 18 27 52.5	38.12N	45.45E	10	1.8L		**¶625045960**
TEH	IX	09 18 27 55.2	38.06N	45.72E	10	2.5L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**IX**	**09 09 51 58.9–1.1**	**38.44N–.04**	**45.26E–.05**	**10**		**17**	**0-2**
AZER	IX	09 09 51 58.7	38.44N	45.20E	10	3.4L		**¶625045954**
TEH	IX	09 09 51 58.0	38.37N	45.14E	10	2.8L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**IX**	**09 09 52 20.2–1.1**	**38.42N–.02**	**45.28E–.02**	**2–11**		**115**	**0-4**
AFAD	IX	09 09 52 16.5	38.34N	45.43E	1–2	3.2L		**¶621817913**
ISK	IX	09 09 52 17.6	38.16N	45.55E	7–0	3.6L		
NSSP	IX	09 09 52 18.3	38.43N	45.28E	10	4.0s		
TEH	IX	09 09 52 20.6	38.43N	45.24E	9	3.6L		
AZER	IX	09 09 52 23.7	38.54N	45.36E	12	3.7L		
ISC	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
ISK	Event type ke.							
TEH	Event type se. Presumed earthquake.							
ISC	**VIII**	**01 14 11 57.6–1.2**	**39.31N–.03**	**45.19E–.04**	**7–11**		**24**	**0-3**
AZER	VIII	01 14 11 55.8	39.32N	45.26E	10	2.2L		**¶625042320**
TEH	VIII	01 14 11 57.0	39.39N	46.06E	10	2.8L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**IX**	**15 22 27 16.7–1.1**	**39.28N–.02**	**44.24E–.02**	**8–10**		**82**	**0-4**
AFAD	IX	15 22 27 16.7	39.31N	44.19E	5–3	2.6L		**¶621818476**
AZER	IX	15 22 27 16.4	39.27N	44.30E	17	2.8L		
ISK	IX	15 22 27 18.6	39.31N	43.99E	5–0	2.5L		
ISC	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
ISK	Event type ke.							
ISC	**IX**	**17 03 03 14.6–1.2**	**38.83N–.04**	**45.04E–.03**	**25–15**		**21**	**0-2**
TEH	IX	17 03 03 12.8	38.83N	44.96E	10	2.6L		**¶625046457**
AZER	IX	17 03 03 12.9	38.87N	45.02E	20	2.3L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**IX**	**15 18 08 28.6–.99**	**38.38N–.03**	**45.61E–.02**	**15–9**		**75**	**0-4**
ISK	IX	15 18 08 25.1	38.16N	45.90E	5–0	2.8L		**¶621818464**
AFAD	IX	15 18 08 26.8	38.40N	45.65E	7–2	2.3L		
TEH	IX	15 18 08 26.4	38.28N	45.54E	6	2.9L		
AZER	IX	15 18 08 28.6	38.41N	45.55E	10	3.0L		
ISC	Event type ke.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISC	**X**	**03 19 17 13.8–1.1**	**39.09N–.02**	**44.27E–.02**	**4–10**		**82**	**0-4**
ISK	X	03 19 17 12.3	39.05N	44.30E	5–0	2.8L		**¶621819729**
AZER	X	03 19 17 12.8	39.06N	44.26E	10	2.9L		
AFAD	X	03 19 17 13.6	39.08N	44.22E	7–4	2.8L		
TEH	X	03 19 17 14.7	39.07N	44.32E	6	2.8L		
ISC	Event type ke.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISC	**XI**	**02 16 04 42.5–1.2**	**38.04N–.04**	**48.03E–.03**	**5–12**		**26**	**0-2**
TEH	XI	02 16 04 42.7	38.04N	48.00E	6	2.5L		**¶625047081**
AZER	XI	02 16 04 42.4	38.13N	48.09E	5	2.2L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**X**	**09 18 44 55.8–1.3**	**38.20N–.03**	**48.37E–.03**	**0–13**		**56**	**0-3**
AZER	X	09 18 44 56.2	38.25N	48.35E	4	3.0L		**¶625046841**
TEH	X	09 18 44 56.4	38.16N	48.33E	12	2.7L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**X**	**13 19 28 13.8–1.2**	**38.17N–.03**	**48.31E–.03**	**5–12**		**44**	**0-3**
AZER	X	13 19 28 12.7	38.25N	48.36E	3	2.7L		**¶625046889**
TEH	X	13 19 28 14.5	38.15N	48.30E	5	2.6L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**XI**	**01 01 55 24.3–1.1**	**38.43N–.02**	**46.65E–.02**	**4–10**		**109**	**0-4**
NSSP	XI	01 01 55 21.9	38.43N	46.52E	10	3.4s		**¶624638583**
AZER	XI	01 01 55 22.8	38.42N	46.66E	10	3.6L		
TEH	XI	01 01 55 24.2	38.43N	46.67E	5	3.2L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**XII**	**07 17 09 38.3–.96**	**38.68N–.03**	**48.66E–.03**	**23–7**		**65**	**0-5**
TEH	XII	07 17 09 36.3	38.72N	48.79E	22	2.9L		**¶622130552**
AZER	XII	07 17 09 37.2	38.73N	48.62E	11	3.0L		
TIF	XII	07 17 09 37.1	38.72N	48.70E	26–0	3.0L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**XII**	**06 22 05 57.9–1.2**	**38.58N–.03**	**46.73E–.02**	**13–10**		**65**	**1-3**
AZER	XII	06 22 05 56.4	38.54N	46.73E	12	2.7L		**¶625047477**
TEH	XII	06 22 05 58.1	38.61N	46.74E	12	2.5L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**XI**	**06 18 26 32.4–1.0**	**38.20N–.03**	**46.18E–.03**	**15–10**		**31**	**0-3**
AZER	XI	06 18 26 32.1	38.26N	46.16E	11	2.2L		**¶625047119**
TEH	XI	06 18 26 32.3	38.21N	46.21E	13	2.7L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**XII**	**30 02 16 16.0–1.2**	**39.95N–.02**	**45.55E–.02**	**1–14**		**57**	**1-3**
AZER	XII	30 02 16 16.2	39.94N	45.55E	5	2.5L		**¶625009568**
AFAD	XII	30 02 16 17.8	39.96N	45.39E	7–3	1.9L		
ISC	Event type se.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XII**	**22 04 09 33.9–.68**	**39.74N–.02**	**48.39E–.03**	**63–5**	**3.5b**	**112**	**0-77**
AZER	XII	22 04 09 32.5	39.73N	48.38E	50	3.7L		**¶621686743**
TIF	XII	22 04 09 32.5	39.75N	48.45E	65–2	3.7L		
TEH	XII	22 04 09 33.2	39.69N	48.44E	50	3.8L		
IDC	XII	22 04 09 37.8–2.0	40.25N	48.51E	70–11	3.7,3.5b		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
IDC	Error ellipse: s-maj=44.8km s-min=10.2km az=168.0.							
ISC	**XII**	**15 01 17 49.5–1.3**	**39.37N–.02**	**48.71E–.03**	**12–10**		**91**	**0-40**
AZER	XII	15 01 17 50.5	39.36N	48.67E	24	3.5L		**¶621654067**
TIF	XII	15 01 17 51.2	39.41N	48.63E	40–1	3.5L		
TEH	XII	15 01 17 52.3	39.32N	48.56E	18	3.3L		
IDC	XII	15 01 17 57.4–8.2	39.81N	48.68E	79–55	3.9s,3.5		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
IDC	Error ellipse: s-maj=107.3km s-min=30.1km az=17.0.							
ISC	**XII**	**30 01 34 08.5–1.1**	**39.91N–.02**	**45.52E–.02**	**9–10**		**68**	**1-3**
AFAD	XII	30 01 34 07.9	40.01N	45.57E	5–3	2.0L		**¶621816567**
TEH	XII	30 01 34 08.3	39.89N	45.49E	10	2.6L		
AZER	XII	30 01 34 08.7	39.92N	45.55E	5	2.7L		
ISK	XII	30 01 34 10.7	39.89N	45.38E	5–0	2.1L		
ISC	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISK	Event type ke.							

(345) Northwestern Iran.

ISC	**X**	**03 18 51 08.1–.79**	**38.06N–.02**	**47.97E–.02**	**10**		**74**	**0-4**
AZER	X	03 18 51 07.2	38.07N	48.06E	10	3.1L		**¶625046791**
TEH	X	03 18 51 07.8	38.08N	47.97E	6	3.1L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**IX**	**07 23 59 44.5–1.2**	**37.91N–.03**	**46.85E–.03**	**7–11**		**37**	**1-3**
AZER	IX	07 23 59 45.6	38.02N	47.06E	4	2.7L		**¶625045797**
TEH	IX	07 23 59 45.2	38.00N	46.86E	6	2.6L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**X**	**01 05 47 22.6–1.4**	**37.06N–.04**	**45.26E–.04**	**4–14**		**25**	**0-4**
AFAD	X	01 05 47 19.8	37.50N	45.52E	7–5	2.6L		**¶622122884**
ISN	X	01 05 47 22.0–.42	37.19N	45.24E	19–12	3.2L		
TEH	X	01 05 47 22.7	37.01N	45.33E	10	2.9L		
ISC	Event type se.							
AFAD	Event type se. Presumed earthquake.							
ISN	Event type se. Error ellipse: s-maj=8.7km s-min=6.7km az=-1.0. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISC	**VII**	**28 01 40 13.4–.91**	**37.86N–.03**	**47.11E–.03**	**8**		**42**	**0-6**
TEH	VII	28 01 40 12.6	37.81N	47.11E	7	3.7L		**¶625422176**
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISC	**XII**	**30 19 32 31.9–1.1**	**37.07N–.06**	**45.01E–.05**	**12**		**10**	**1-2**
TEH	XII	30 19 32 31.8	37.09N	45.01E	6	2.5L		**¶622122944**
ISN	XII	30 19 32 32.8–2.4	37.07N	45.03E	6	2.5L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISN	Event type se. Error ellipse: s-maj=12.2km s-min=34.3km az=-1.0. Presumed earthquake.							

(346) Iran-Iraq border region.

ISC	**VII**	**02 22 07 07.1–.96**	**34.50N–.06**	**45.87E–.04**	**10**		**14**	**0-2**
TEH	VII	02 22 07 07.4	34.50N	45.91E	10	2.9L		**¶622122789**
ISN	VII	02 22 07 09.6–3.2	34.50N	45.65E	19–49	2.9L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
ISN	Event type se. Error ellipse: s-maj=19.4km s-min=27.3km az=-1.0. Presumed earthquake.							
ISC	**VII**	**03 13 56 18.0–1.1**	**36.95N–.04**	**45.46E–.05**	**11–8**		**18**	**0-4**
ISN	VII	03 13 56 18.3–.32	36.97N	45.30E	18–3	2.9L		**¶622122790**
TEH	VII	03 13 56 18.2	36.87N	45.39E	8	2.8L		
ISC	Event type se.							
ISN	Event type se. Error ellipse: s-maj=2.8km s-min=5.4km az=-1.0. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISC	**VII**	**06 17 46 05.8–1.3**	**34.59N–.03**	**45.38E–.04**	**10–10**	**3.8b**	**30**	**1-50**
IDC	VII	06 17 46 02.1–3.6	34.39N	45.31E	0	3.8b,3.8		**¶620928053**
ISN	VII	06 17 46 05.9–.39	34.59N	45.41E	14–10	3.7L,3.8		
TEH	VII	06 17 46 06.7	34.63N	45.47E	8	3.5L,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=89.0km s-min=30.0km az=34.0.							
ISN	Event type se. Error ellipse: s-maj=7.5km s-min=4.8km az=-1.0. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISC	**VII**	**06 18 04 32.6–.97**	**34.72N–.06**	**45.63E–.05**	**18**		**10**	**1-3**
ISN	VII	06 18 04 30.5–.37	34.63N	45.48E	5–9	2.5L		**¶622122793**
TEH	VII	06 18 04 31.4	34.62N	45.57E	5	2.5L		
ISC	Event type se.							
ISN	Event type se. Error ellipse: s-maj=7.5km s-min=4.9km az=-1.0. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISC	**VII**	**06 18 26 29.6–1.0**	**34.60N–.05**	**45.48E–.04**	**18**		**12**	**1-3**
ISN	VII	06 18 26 28.1–.37	34.60N	45.50E	11–11	2.5L		**¶622122794**
TEH	VII	06 18 26 28.1	34.58N	45.51E	5	2.5L		
ISC	Event type se.							
ISN	Event type se. Error ellipse: s-maj=7.8km s-min=5.0km az=-1.0. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISC	**VII**	**07 10 42 50.3–1.0**	**33.64N–.04**	**46.13E–.05**	**10–8**		**16**	**0-2**
ISN	VII	07 10 42 50.1–.38	33.64N	46.10E	12–1	2.5L		**¶622122796**
TEH	VII	07 10 42 50.4	33.65N	46.15E	9	2.5L		
ISC	Event type se.							
ISN	Event type se. Error ellipse: s-maj=2.5km s-min=3.1km az=-1.0. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISC	**VII**	**09 11 45 42.0–1.1**	**36.74N–.03**	**45.08E–.03**	**11–12**		**36**	**0-5**
ISN	VII	09 11 45 42.9–.44	36.97N	45.11E	5–51	3.7L		**¶622122798**
AFAD	VII	09 11 45 42.7	36.64N	44.99E	3–1	3.5L		
TEH	VII	09 11 45 44.0	36.91N	45.23E	6	3.5L		
ISC	Event type se.							
ISN	Event type se. Error ellipse: s-maj=58.1km s-min=7.9km az=-1.0. Presumed earthquake.							
AFAD	Event type se. Presumed earthquake.							
TEH	Event type se. Presumed earthquake.							
ISC	**VII**	**09 15 41 20.5–.59**	**36.76N–.02**	**45.33E–.03**	**18–2**	**4.8b,3.7s**	**733**	**0-127**
BGR	VII	09 15 41 08.3	35.07N	46.29E	33	4.9b,3.7s		**¶620786364**
AFAD	VII	09 15 41 15.5	36.52N	45.08E	9–2	4.7W,3.7s		
MOS	VII	09 15 41 17.6–1.3	36.68N	45.26E	11	4.9b,3.7s		
ISN	VII	09 15 41 18.5–.37	36.96N	45.43E	18–4	5.0L,3.7s		
TEH	VII	09 15 41 18.2	36.92N	45.20E	5	5.0L,3.7s		
ISK	VII	09 15 41 18.6	36.62N	45.26E	8–0	4.8L,3.7s		
GFZ	VII	09 15 41 19.6–.37	37N–3.0	45E–4.0	10	4.5b,4.3		
NEIC	VII	09 15 41 19.4–1.9	36.85N–.04	45.15E–.07	10–1	4.9b,4.3		
BJI	VII	09 15 41 19.0	36.80N	45.40E	10	4.9b,4.8b		
GCMT	VII	09 15 41 21.3–.40	36.88N–.05	45.16E–.03	21–1	4.8W,4.8b		
THR	VII	09 15 41 21.9–.00	36.73N	45.42E	11–3	4.9L,4.8b		
DSN	VII	09 15 41 22.0–.82	36.80N	46.10E	10	5.3b,4.8b		
IDC	VII	09 15 41 25.4–1.8	36.93N	45.09E	60–16	4.5,4.2b		
ISC	Event type ke.							

BGR Event type ke.
AFAD Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=4.5km s-min=2.9km az=103.4.
ISN Event type se. Error ellipse: s-maj=4.1km s-min=6.4km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.7km az=244.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107091541A. Moment Tensor Solution. s15,c15; s83,c115; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.02±.19 $M_{\theta\theta}$0.10±.10; $M_{\phi\phi}$1.92±.12; $M_{r\theta}$0.43±.23; $M_{\theta\phi}$0.29±.06; $M_{\phi r}$-0.32±.17; Best double couple: NP1:ϕ_s201.00000°,δ43.00000°,λ-72.00000°. NP2:ϕ_s357.00000°,δ50.00000°,λ-106.00000°. Principal axes: T 1.9800,Plg4.0000°,Azm98.0000°; N 0.1520,Plg12.0000°,Azm7.0000°; P -2.1380,Plg77.0000°,Azm204.0000° $M_0$2.05900×10^{16}
THR Event type se. Error ellipse: s-maj=2.1km s-min=2.1km az=-1.0. Presumed earthquake.
DSN Error ellipse: s-maj=39.8km s-min=6.7km az=62.0.
IDC Error ellipse: s-maj=12.3km s-min=9.1km az=154.0.

ISC	**VII**	**09 17 31 12.5–.96**	**36.83N–.02**	**45.27E–.03**	**17–6**	**4.0b,3.1s**	**251**	**0-127**	
ISN	VII	09 17 31 10.1–.30	36.97N	45.35E	6–28	4.3L,3.1s			**¶620786371**
NEIC	VII	09 17 31 11.7–1.7	36.83N–.04	45.21E–.09	10–1	4.2b,3.1s			
TEH	VII	09 17 31 12.7	36.93N	45.29E	7	4.4L,3.1s			
GFZ	VII	09 17 31 15.6–.28	36N–3.0	45E–3.0	43	4.4,4.2b			
IDC	VII	09 17 31 19.9–2.0	36.80N	45.09E	86–18	3.8,3.6b			
ISK	VII	09 17 31 33.9	37.94N	44.22E	12–0	3.7L,3.6b			

ISC Event type ke.
ISN Event type se. Error ellipse: s-maj=31.9km s-min=7.9km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.9km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=17.8km s-min=12.4km az=157.0.
ISK Event type ke.

ISC	**VII**	**10 02 40 57.9–1.0**	**36.93N–.04**	**45.29E–.06**	**10**		**19**	**0-5**	
ISN	VII	10 02 40 55.7–.43	37.13N	45.08E	19–4	3.5L			**¶622122799**
TEH	VII	10 02 40 56.7	36.93N	45.26E	4	3.1L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=4.5km s-min=9.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**11 02 40 49.6–.97**	**36.26N–.04**	**45.61E–.05**	**10**		**11**	**0-3**	
ISN	VII	11 02 40 50.0–1.8	36.26N	45.61E	10	2.9L			**¶622122800**
TEH	VII	11 02 40 50.1	36.28N	45.66E	10	2.9L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=13.9km s-min=21.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**13 14 22 27.6–1.1**	**36.85N–.04**	**45.19E–.08**	**12**		**10**	**0-2**	
ISN	VII	13 14 22 26.7–2.4	36.88N	45.32E	9	2.9L			**¶622122801**
TEH	VII	13 14 22 27.5	36.89N	45.23E	9	2.8L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=26.4km s-min=17.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**13 14 51 23.9–1.6**	**33.75N–.04**	**45.62E–.04**	**9–14**		**16**	**1-2**	
ISN	VII	13 14 51 23.7–.39	33.75N	45.62E	10–1	2.6L			**¶622122802**
TEH	VII	13 14 51 24.2	33.74N	45.62E	10	2.6L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**15 06 22 35.8–1.4**	**33.11N–.04**	**46.07E–.05**	**2–13**		**16**	**0-3**	
ISN	VII	15 06 22 35.7–.80	33.09N	46.06E	6–6	2.5L			**¶622122804**
TEH	VII	15 06 22 35.9	33.09N	46.10E	10	2.6L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=4.3km s-min=6.5km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**19 13 07 20.4–1.1**	**34.27N–.05**	**45.61E–.05**	**18**		**14**	**1-2**	
TEH	VII	19 13 07 20.1	34.28N	45.61E	10	2.5L			**¶622122806**
ISN	VII	19 13 07 21.0–1.9	34.26N	45.62E	25–18	2.5L			

ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=17.7km s-min=5.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**20 07 20 19.0–1.1**	**34.36N–.04**	**45.69E–.05**	**18**		**27**	**1-6**	
TEH	VII	20 07 20 15.2	34.36N	45.62E	9	3.5L			**¶622122807**
ISN	VII	20 07 20 18.7–1.1	34.36N	45.67E	23–6	3.6L			

ISC Event type ke.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=7.1km s-min=1.5km az=-1.0. Presumed earthquake.

ISC	**VII**	**25 21 28 40.1–1.1**	**34.33N–.04**	**45.65E–.04**	**18**		**14**	**1-3**	
ISN	VII	25 21 28 39.9–.43	34.33N	45.66E	24–5	2.8L			**¶622122808**
TEH	VII	25 21 28 39.0	34.32N	45.65E	10	2.8L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**29 18 41 56.7–1.3**	**35.82N–.06**	**46.14E–.08**	**10**		**8**	**0-3**	
ISN	VII	29 18 41 58.0–4.2	35.50N	46.09E	7	2.8L			**¶622122810**
TEH	VII	29 18 41 58.0	35.76N	46.10E	7	2.8L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=44.6km s-min=35.5km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**30 11 55 18.4–1.2**	**32.56N–.07**	**46.92E–.05**	**10**		**20**	**1-5**	
TEH	VII	30 11 55 17.8	32.55N	46.96E	9	3.2L			**¶622122811**
ISN	VII	30 11 55 19.3–3.4	32.90N	47.01E	10	3.3L			

ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=7.8km s-min=50.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 09 49 14.5–1.3**	**34.52N–.05**	**45.28E–.06**	**18**		**13**	**1-2**	
ISN	VII	31 09 49 14.8–2.2	34.55N	45.27E	26–19	2.8L			**¶622122812**
TEH	VII	31 09 49 14.3	34.55N	45.30E	10	2.9L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=18.1km s-min=12.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**31 14 02 41.0–.77**	**34.56N–.05**	**45.15E–.05**	**10**	**3.8b**	**25**	**1-45**	
ISN	VII	31 14 02 41.9–2.1	34.55N	45.27E	11–18	3.5L			**¶620986132**
TEH	VII	31 14 02 41.3	34.59N	45.29E	14	3.5L			
IDC	VII	31 14 02 45.9–6.7	35.38N	45.31E	0	3.8b,3.8			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=17.5km s-min=12.5km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=127.8km s-min=31.0km az=10.0.

ISC	**VII**	**31 14 08 38.4–.80**	**34.46N–.05**	**45.27E–.04**	**18**	**3.6b**	**25**	**1-46**	
IDC	VII	31 14 08 33.6–1.5	34.36N	45.55E	0	3.7b,3.7			**¶620986133**
ISN	VII	31 14 08 39.8–2.2	34.31N	45.55E	15–20	3.5L,3.7			
TEH	VII	31 14 08 40.8	34.57N	45.34E	18	3.6L,3.7			

ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=15.7km az=150.0.
ISN Event type se. Error ellipse: s-maj=21.6km s-min=7.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**31 14 14 40.4–1.1**	**34.45N–.04**	**45.18E–.06**	**10**		**18**	**1-4**	
TEH	VII	31 14 14 39.5	34.45N	45.16E	7	3.7L			**¶622122813**
ISN	VII	31 14 14 41.8–2.7	34.43N	45.19E	10–26	3.5L			

ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=22.6km s-min=16.1km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 14 17 55.6–1.2**	**34.53N–.06**	**45.43E–.07**	**18**		**11**	**1-2**	
TEH	VII	31 14 17 55.5	34.54N	45.40E	15	2.9L			**¶622122815**
ISN	VII	31 14 17 56.1–1.6	34.48N	45.58E	15–13	2.7L			

ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=16.2km s-min=4.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 14 19 30.5–1.2**	**34.59N–.04**	**45.22E–.05**	**10**		**16**	**1-3**	
ISN	VII	31 14 19 30.0–1.9	34.46N	45.28E	15–13	3.1L			**¶622122814**
TEH	VII	31 14 19 30.3	34.57N	45.30E	13	3.3L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=12.1km s-min=9.3km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**31 14 22 47.9–1.3**	**34.54N–.06**	**45.18E–.06**	**10**		**15**	**1-3**	
ISN	VII	31 14 22 47.9–2.1	34.55N	45.27E	19–20	3.1L			**¶622122816**
TEH	VII	31 14 22 47.4	34.55N	45.27E	8	3.3L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=17.2km s-min=12.2km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**31 14 25 24.0–1.2**	**34.53N–.05**	**45.26E–.06**	**10**		**16**	**1-2**	
TEH	VII	31 14 25 23.0	34.60N	45.27E	8	3.2L			**¶622122817**
ISN	VII	31 14 25 24.7–2.6	34.55N	45.27E	28–23	3.0L			

ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=21.7km s-min=15.4km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 14 31 54.6–1.3**	**34.64N–.07**	**45.27E–.07**	**18**		**12**	**1-2**	
TEH	VII	31 14 31 55.1	34.55N	45.31E	10	2.8L			**¶622122818**
ISN	VII	31 14 31 56.6–2.4	34.49N	45.23E	10–20	2.7L			

ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=20.5km s-min=14.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 14 39 11.5–2.0**	**34.6N–.10**	**45.20E–.09**	**10**		**11**	**1-3**	
ISN	VII	31 14 39 11.4–1.9	34.55N	45.27E	10–13	2.9L			**¶622122819**
TEH	VII	31 14 39 11.6	34.59N	45.23E	17	2.9L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=12.8km s-min=9.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**31 14 41 51.7–1.9**	**34.51N–.09**	**45.29E–.08**	**18**		**10**	**1-2**	
TEH	VII	31 14 41 52.0	34.52N	45.32E	8	2.8L			**¶622122820**
ISN	VII	31 14 41 53.8–2.5	34.51N	45.33E	12–23	2.8L			

ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=19.3km s-min=16.0km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 15 01 44.9–.73**	**34.49N–.04**	**45.25E–.05**	**18**	**3.8b,3.1s**	**25**	**1-81**	
IDC	VII	31 15 01 40.2–7.8	34.22N	45.06E	0	3.7,3.6b			**¶620986135**
TEH	VII	31 15 01 44.0	34.55N	45.26E	8	3.7L,3.6b			
ISN	VII	31 15 01 45.2–2.2	34.50N	45.30E	15–19	3.7L,3.6b			

ISC Event type se.
IDC Error ellipse: s-maj=172.8km s-min=37.9km az=19.0.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=18.5km s-min=13.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 15 03 13.1–1.3**	**34.60N–.06**	**45.41E–.08**	**18**		**8**	**1-2**	
ISN	VII	31 15 03 13.5–1.7	34.58N	45.46E	19–16	2.9L			**¶622122821**
TEH	VII	31 15 03 13.3	34.60N	45.47E	10	2.9L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=15.5km s-min=5.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**31 15 31 08.1–1.3**	**34.54N–.05**	**45.21E–.07**	**10**		**11**	**1-2**	
ISN	VII	31 15 31 08.8–2.4	34.55N	45.27E	10–22	2.7L			**¶622122822**
TEH	VII	31 15 31 08.3	34.55N	45.27E	10	2.7L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=19.6km s-min=14.0km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**31 17 32 02.0–1.2**	**34.55N–.05**	**45.18E–.06**	**10**		**16**	**1-4**	
ISN	VII	31 17 32 01.9–2.0	34.54N	45.27E	15	3.0L			**¶622122827**
TEH	VII	31 17 32 02.2	34.59N	45.25E	15	3.3L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=21.7km s-min=15.5km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**31 23 02 12.1–1.2**	**34.45N–.05**	**45.20E–.07**	**10**		**11**	**1-2**	
TEH	VII	31 23 02 12.5	34.51N	45.23E	10	2.9L			**¶622122828**
ISN	VII	31 23 02 12.7–1.8	34.50N	45.24E	12	3.0L			

ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=19.9km s-min=14.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**31 15 55 09.7–1.1**	**35.29N–.04**	**46.47E–.05**	**10**		**12**	**1-3**	
ISN	VII	31 15 55 07.3–4.1	35.27N	46.49E	7–23	2.9L			**¶622122823**
TEH	VII	31 15 55 07.9	35.29N	46.48E	6	2.9L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=30.1km s-min=10.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**31 16 38 46.2–1.2**	**34.52N–.06**	**45.30E–.07**	**18**		**12**	**1-2**	
ISN	VII	31 16 38 46.0–2.0	34.52N	45.25E	15	2.9L			**¶622122824**
TEH	VII	31 16 38 46.4	34.53N	45.33E	15	2.9L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=21.3km s-min=15.2km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**31 16 57 20.1–1.7**	**34.54N–.07**	**45.29E–.10**	**18**		**7**	**1-2**	
ISN	VII	31 16 57 19.4–2.0	34.52N	45.27E	10	2.7L			**¶622122825**
TEH	VII	31 16 57 19.5	34.53N	45.28E	9	2.7L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=21.7km s-min=15.5km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**31 17 02 01.0–3.6**	**34.8N–.20**	**45.0E–.10**	**35**		**8**	**1-2**	
ISN	VII	31 17 02 00.9–2.0	34.57N	45.22E	25	2.6L			**¶622122826**
TEH	VII	31 17 02 01.0	34.60N	45.23E	11	2.6L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=22.4km s-min=14.7km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VIII**	**01 10 50 30.0–.56**	**34.56N–.03**	**45.34E–.03**	**10**	**3.7b**	**50**	**1-82**	
ISN	VIII	01 10 50 29.2–.48	34.47N	45.24E	7–9	3.8L			**¶620986206**
TEH	VIII	01 10 50 29.7	34.55N	45.32E	7	3.7L			
IDC	VIII	01 10 50 33.6–4.9	34.96N	45.38E	19–31	3.8L,3.8			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=5.2km s-min=3.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=33.4km s-min=14.9km az=146.0.

ISC	**VII**	**31 23 41 22.6–.52**	**34.48N–.04**	**45.23E–.03**	**10**	**4.0b**	**62**	**1-46**	
IDC	VII	31 23 41 21.5–1.2	34.53N	45.26E	0	3.9b,3.9			**¶620986159**
NEIC	VII	31 23 41 21.9–.74	34.42N–.05	45.3E–.10	10–2	4.3b,3.9			
TEH	VII	31 23 41 23.5	34.52N	45.29E	8	3.7L,3.9			
ISN	VII	31 23 41 23.9–2.0	34.54N	45.27E	10	3.8L,3.9			

ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=13.2km az=142.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=5.7km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=21.7km s-min=15.5km az=-1.0. Presumed earthquake.

ISC	**VIII**	**03 13 17 46.7–.90**	**35.19N–.03**	**46.63E–.04**	**10**		**21**	**0-4**	
ISN	VIII	03 13 17 45.2–.42	35.34N	46.54E	10–9	3.3L			**¶622122830**
TEH	VIII	03 13 17 46.2	35.21N	46.59E	7	3.2L			

ISC Event type se.
ISN Event type se. Error ellipse: s-maj=5.8km s-min=9.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

ISC	**VIII**	**01 12 09 41.5–1.3**	**34.51N–.05**	**45.21E–.06**	**10**		**13**	**1-2**	
TEH	VIII	01 12 09 41.7	34.51N	45.29E	10	2.6L			**¶622122829**
ISN	VIII	01 12 09 42.3–2.5	34.52N	45.25E	10–23	2.6L			

ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=20.0km s-min=14.3km az=-1.0. Presumed earthquake.

ISC	**VIII**	**01 07 21 09.2–.56**	**34.57N–.03**	**45.30E–.03**	**18**	**3.7b**	**39**	**1-81**	
IDC	VIII	01 07 21 05.3–1.5	34.38N	45.52E	0	3.8,3.7b			**¶620986181**
ISN	VIII	01 07 21 07.3–.41	34.55N	45.31E	14–9	3.5L,3.7b			
TEH	VIII	01 07 21 07.8	34.54N	45.30E	8	3.5L,3.7b			

ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=13.2km az=156.0.

ISN Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 05 10 33 24.1–.46 32.70N–.05 47.43E–.04 10 4.2b,3.0s 91 1-98
IDC VIII 05 10 33 21.3–1.8 32.56N 47.35E 0 4.0b,4.0 **¶620998800**
TEH VIII 05 10 33 23.8 32.77N 47.44E 12 3.9L,4.0
NEIC VIII 05 10 33 24.5–1.5 32.69N–.08 47.5E–.10 10–1 4.1b,4.0
ISN VIII 05 10 33 26.1–1.7 32.79N 47.35E 7–10 3.7L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=16.1km az=21.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=10.6km az=230.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISN Event type se. Error ellipse: s-maj=4.0km s-min=16.6km az=-1.0. Presumed earthquake.
ISC VIII 06 08 33 04.8–.99 36.24N–.04 45.62E–.06 10 10 0-3
ISN VIII 06 08 33 05.0–1.8 36.30N 45.62E 12 2.7L **¶622122832**
TEH VIII 06 08 33 05.2 36.25N 45.62E 7 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=14.8km s-min=21.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 20 04 35 59.4–1.0 34.61N–.05 45.04E–.05 10 14 1-3
ISN VIII 20 04 35 57.1–.38 34.63N 45.11E 6–6 2.6L **¶622122839**
TEH VIII 20 04 35 57.9 34.62N 45.09E 10 2.6L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=3.6km s-min=3.0km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 17 18 15 01.1–1.1 35.26N–.04 46.57E–.05 10 16 0-3
ISN VIII 17 18 14 59.3–.45 35.25N 46.53E 3–5 2.7L **¶622122838**
TEH VIII 17 18 14 59.9 35.23N 46.53E 8 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=3.4km s-min=7.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 08 07 28 48.2–.99 35.32N–.04 45.84E–.05 10 15 1-2
TEH VIII 08 07 28 47.6 35.31N 45.85E 10 2.6L **¶622122835**
ISN VIII 08 07 28 48.3–.47 35.31N 45.87E 18–42 2.6L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=34.2km s-min=7.4km az=-1.0. Presumed earthquake.
ISC VIII 17 06 13 45.6–1.9 35.64N–.08 45.1E–.10 10 9 1-3
ISN VIII 17 06 13 45.8–1.5 35.70N 45.07E 12–11 2.5L **¶622122837**
TEH VIII 17 06 13 45.3 35.65N 45.08E 10 2.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=13.1km s-min=3.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 07 10 08 23.1–1.4 34.48N–.04 45.81E–.04 14–12 23 1-5
ISN VIII 07 10 08 22.3–.33 34.51N 45.79E 20 3.4L **¶622122834**
TEH VIII 07 10 08 23.2 34.48N 45.85E 8 3.3L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=0.5km s-min=2.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 16 21 15 39.1–1.2 34.39N–.06 45.36E–.07 18 11 1-2
ISN VIII 16 21 15 38.5–2.1 34.42N 45.37E 6–18 2.5L **¶622122836**
TEH VIII 16 21 15 38.0 34.40N 45.36E 6 2.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=21.1km s-min=7.0km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 21 15 57 26.8–1.4 34.61N–.04 45.16E–.05 2–14 15 1-3
ISN VIII 21 15 57 26.6–.47 34.59N 45.12E 9–7 2.7L **¶622122841**
TEH VIII 21 15 57 27.0 34.59N 45.12E 7 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 26 04 11 57.2–.94 32.92N–.04 46.56E–.04 13 20 1-4
ISN VIII 26 04 11 56.3–.50 32.90N 46.55E 12–2 3.1L **¶622122847**
TEH VIII 26 04 11 56.3 32.90N 46.59E 11 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 23 01 15 48.1–.92 36.08N–.03 45.55E–.04 10 20 1-4
TEH VIII 23 01 15 47.5 36.10N 45.56E 8 3.4L **¶622122842**
ISN VIII 23 01 15 48.0–.47 36.19N 45.60E 14–2 3.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0. Presumed earthquake.
ISC VIII 23 05 12 26.9–1.1 35.46N–.07 45.62E–.04 10 12 1-2
TEH VIII 23 05 12 26.9 35.42N 45.63E 10 2.5L **¶622122843**
ISN VIII 23 05 12 27.6–.38 35.44N 45.63E 10–25 2.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=21.1km s-min=3.0km az=-1.0. Presumed earthquake.
ISC IX 10 04 40 16.4–1.5 33.74N–.03 45.61E–.04 12–13 17 1-3
ISN IX 10 04 40 15.5–.40 33.78N 45.62E 8–2 3.1L **¶622122857**
TEH IX 10 04 40 15.7 33.78N 45.62E 10 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 08 15 43 02.3–1.1 34.71N–.03 45.29E–.03 13–7 4.4b,3.4s 278 1-87
MOS IX 08 15 42 58.2–1.2 34.56N 45.26E 2 4.5b,3.4s **¶621044098**
IDC IX 08 15 43 00.4–.63 34.74N 45.29E 0 4.0b,4.0
NEIC IX 08 15 43 01.6–1.6 34.65N–.04 45.35E–.08 10–1 4.5b,4.0
TEH IX 08 15 43 02.5 34.76N 45.28E 9 4.5L,4.0
ISN IX 08 15 43 05.1–.51 34.77N 45.22E 22–3 4.4L,4.0
ISC Event type se.
MOS Error ellipse: s-maj=7.3km s-min=5.0km az=79.6.
IDC Error ellipse: s-maj=13.2km s-min=8.3km az=154.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.1km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=2.2km s-min=4.0km az=-1.0. Presumed earthquake.
ISC IX 08 18 45 52.0–.89 34.77N–.04 45.27E–.04 10 23 1-4
ISN IX 08 18 45 50.8–.35 34.78N 45.26E 11–1 3.4L **¶622122855**
TEH IX 08 18 45 51.2 34.79N 45.29E 8 3.3L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 08 18 48 17.0–.85 34.79N–.04 45.28E–.04 10 17 1-3
ISN IX 08 18 48 16.5–.49 34.77N 45.26E 10–2 3.3L **¶622122856**
TEH IX 08 18 48 16.7 34.77N 45.28E 10 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 27 02 35 39.5–.91 36.26N–.04 45.64E–.06 10 14 0-3
ISN IX 27 02 35 39.2–.44 36.34N 45.55E 14–2 2.7L **¶622122874**
TEH IX 27 02 35 39.1 36.26N 45.63E 8 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.4km s-min=3.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 14 09 33 18.5–1.4 34.59N–.03 45.52E–.05 2–13 26 1-5
ISN IX 14 09 33 17.2–.45 34.61N 45.63E 8–2 3.4L **¶622122861**
TEH IX 14 09 33 18.1 34.60N 45.57E 7 3.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=4.0km s-min=7.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 22 03 15 27.1–1.2 32.59N–.06 47.79E–.05 15 14 2-4
TEH IX 22 03 15 24.5 32.67N 47.89E 10 2.5L **¶622122870**
ISN IX 22 03 15 25.6–.38 32.63N 47.86E 12–2 2.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=3.1km s-min=4.0km az=-1.0. Presumed earthquake.
ISC IX 23 16 09 04.6–1.2 31.73N–.07 47.04E–.05 10 23 1-6
ISN IX 23 16 09 03.4–.35 31.55N 47.04E 15–4 3.2L **¶622122872**
TEH IX 23 16 09 04.6 31.80N 47.07E 9 3.1L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=5.7km s-min=2.5km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 10 08 34 52.3–.87 34.80N–.04 45.53E–.04 10 17 1-3
ISN IX 10 08 34 51.0–.33 34.82N 45.54E 6–2 2.9L **¶622122858**
TEH IX 10 08 34 51.8 34.82N 45.54E 8 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 12 12 29 48.3–1.5 35.13N–.05 45.95E–.05 8–13 18 1-3
TEH IX 12 12 29 47.7 35.11N 45.94E 9 2.8L **¶622122859**
ISN IX 12 12 29 48.2–.71 35.11N 45.97E 21–4 2.8L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=3.3km s-min=5.7km az=-1.0. Presumed earthquake.
ISC IX 17 01 21 46.3–1.0 34.48N–.04 45.85E–.04 10 17 0-2
ISN IX 17 01 21 46.0–.55 34.56N 45.93E 18–50 2.8L **¶622122865**
TEH IX 17 01 21 46.3 34.48N 45.85E 8 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=4.2km s-min=62.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 26 05 07 17.9–1.4 35.36N–.03 46.32E–.03 2–13 22 1-4
ISN IX 26 05 07 16.8–.44 35.40N 46.34E 4–4 3.3L **¶622122873**
TEH IX 26 05 07 17.7 35.38N 46.27E 8 3.2L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=3.2km s-min=5.7km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 17 18 26 03.2–.99 32.65N–.05 47.64E–.04 23 37 2-5
ISN IX 17 18 26 00.5–.48 32.68N 47.67E 14–2 3.3L **¶622122866**
TEH IX 17 18 26 00.8 32.68N 47.65E 16 3.3L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.8km s-min=3.4km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 28 08 58 24.4–1.1 34.58N–.03 45.43E–.03 10–8 4.2b,3.2s 97 1-124
IDC IX 28 08 58 23.1–.86 34.63N 45.48E 0 4.1b,4.1 **¶621140818**
NEIC IX 28 08 58 23.9–1.5 34.47N–.05 45.5E–.10 10–1 4.3b,4.1
TEH IX 28 08 58 23.5 34.57N 45.43E 9 4.0L,4.1
ISN IX 28 08 58 24.4–.40 34.57N 45.43E 8–2 4.0L,4.1
AFAD IX 28 08 58 30.7 34.53N 44.36E 6–5 3.5L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=13.4km az=147.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.2km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=4.7km s-min=9.1km az=-1.0. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
ISC IX 27 12 45 04.8–1.3 34.55N–.03 45.27E–.04 3–12 22 1-4
ISN IX 27 12 45 04.9–.42 34.54N 45.29E 14–2 3.1L **¶622122875**
TEH IX 27 12 45 04.7 34.55N 45.28E 8 3.1L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 28 11 34 15.5–1.4 34.57N–.04 45.46E–.04 4–13 16 1-3
ISN IX 28 11 34 14.9–.67 34.56N 45.46E 8–3 2.8L **¶622122877**
TEH IX 28 11 34 15.7 34.58N 45.44E 8 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.8km s-min=5.2km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 28 05 20 13.3–1.4 32.73N–.06 47.37E–.05 10 16 1-4
ISN IX 28 05 20 10.4–.67 32.73N 47.42E 6–3 2.9L **¶622122876**
TEH IX 28 05 20 11.3 32.74N 47.41E 10 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.7km s-min=5.0km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 28 11 38 23.3–1.3 34.60N–.04 45.48E–.04 5–14 15 1-3
ISN IX 28 11 38 23.3–.36 34.60N 45.50E 15–2 3.1L **¶622122878**
TEH IX 28 11 38 23.2 34.61N 45.48E 8 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 28 11 43 29.8–1.6 34.58N–.04 45.44E–.04 1–14 17 1-3
ISN IX 28 11 43 28.3–.38 34.58N 45.49E 6–2 3.1L **¶622122879**
TEH IX 28 11 43 28.3 34.62N 45.47E 19 3.1L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 28 11 46 12.8–.74 34.52N–.03 45.40E–.03 15–4 4.2b,3.5s 244 1-124
IDC IX 28 11 46 10.8–.70 34.57N 45.28E 0 4.0b,3.9 **¶621112109**
MOS IX 28 11 46 10.7–1.3 34.41N 45.31E 16 4.5b,3.9
NEIC IX 28 11 46 12.0–.89 34.53N–.03 45.38E–.05 10–1 4.3b,3.9
ISN IX 28 11 46 12.5–.33 34.59N 45.44E 8–1 4.3L,3.9
TEH IX 28 11 46 12.6 34.60N 45.44E 7 4.3L,3.9
OMAN IX 28 11 46 23.0–.08 33.46N 45.32E 40–1 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=9.3km az=148.0.
MOS Error ellipse: s-maj=8.2km s-min=4.8km az=95.3.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=2.9km az=57.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISN Event type se. Error ellipse: s-maj=1.4km s-min=2.4km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=2.8km s-min=1.5km az=41.0.
ISC IX 28 11 57 03.8–2.0 34.58N–.04 45.49E–.05 7–18 16 1-3
ISN IX 28 11 57 03.1–.36 34.55N 45.51E 14–2 2.6L **¶622122880**
TEH IX 28 11 57 03.4 34.57N 45.48E 10 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 28 19 10 44.2–1.4 34.64N–.03 45.50E–.04 2–12 26 1-4
ISN IX 28 19 10 44.5–.45 34.57N 45.48E 6–2 3.5L **¶622122881**
TEH IX 28 19 10 44.4 34.61N 45.49E 7 3.3L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 28 06 02 33.9–1.2 34.59N–.03 45.46E–.03 11–9 3.7b 44 1-80
ISN IX 28 06 02 33.6–.43 34.62N 45.43E 9–2 3.9L **¶621140802**
TEH IX 28 06 02 33.2 34.59N 45.47E 12 3.7L
IDC IX 28 06 02 35.3–2.1 35.06N 45.36E 0 4.1L,3.8b
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=44.2km s-min=26.6km az=154.0.
ISC IX 29 07 52 14.8–1.1 35.39N–.05 46.29E–.05 10 12 1-2
ISN IX 29 07 52 14.3–1.1 35.54N 46.35E 10 2.7L **¶622122882**
TEH IX 29 07 52 14.5 35.41N 46.31E 10 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.0km s-min=17.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 01 01 55 40.4–1.0 32.30N–.05 47.30E–.04 10 26 1-5
TEH X 01 01 55 39.8 32.35N 47.31E 9 3.2L **¶622122883**
ISN X 01 01 55 41.1–.46 32.19N 47.30E 20–2 3.3L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=2.0km s-min=3.5km az=-1.0. Presumed earthquake.
ISC X 01 06 58 13.6–.97 36.25N–.04 45.00E–.04 10 16 1-5
ISN X 01 06 58 13.3–.45 36.28N 44.95E 16–2 2.7L **¶622122885**
TEH X 01 06 58 13.4 36.21N 45.02E 10 2.8L
ISC Event type se.

ISN Event type se. Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 05 03 26 28.0–1.2 32.89N–.05 47.50E–.05 15 16 1-4
TEH X 05 03 26 26.6 32.91N 47.50E 10 2.6L **¶622122889**
ISN X 05 03 26 26.2–.46 32.88N 47.50E 3–7 2.6L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=1.9km s-min=9.9km az=-1.0. Presumed earthquake.
ISC X 02 05 16 48.0–1.1 34.79N–.05 45.57E–.05 10 17 1-3
ISN X 02 05 16 45.4–.46 34.79N 45.66E 8–2 2.9L **¶622122887**
TEH X 02 05 16 46.4 34.82N 45.66E 10 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 13 00 05 11.8–2.1 34.33N–.04 45.35E–.04 7–17 22 1-3
ISN X 13 00 05 10.0–.26 34.37N 45.40E 8–1 2.9L **¶622122894**
TEH X 13 00 05 10.3 34.34N 45.40E 8 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 05 20 12 35.6–.66 33.67N–.04 45.66E–.05 13 3.7b 35 1-50
IDC X 05 20 12 32.6–2.1 33.51N 45.58E 0 3.7b,3.7 **¶621203192**
ISN X 05 20 12 34.8–.33 33.68N 45.68E 11–1 3.6L,3.7
TEH X 05 20 12 34.5 33.70N 45.68E 8 3.5L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=48.1km s-min=22.3km az=11.0.
ISN Event type se. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 13 11 59 33.8–1.5 34.42N–.04 45.55E–.04 0–13 17 1-3
ISN X 13 11 59 33.6–.31 34.39N 45.51E 7–1 2.7L **¶622122901**
TEH X 13 11 59 34.1 34.41N 45.55E 10 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 13 02 53 25.5–1.1 34.42N–.05 45.51E–.06 18 12 1-2
ISN X 13 02 53 23.1–.31 34.45N 45.57E 22–22 2.5L **¶622122898**
TEH X 13 02 53 28.7 34.47N 45.65E 10 2.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.9km s-min=25.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 13 00 32 30.7–1.2 34.33N–.03 45.40E–.03 11–12 23 1-4
ISN X 13 00 32 29.4–.36 34.36N 45.42E 8–1 3.1L **¶622122895**
TEH X 13 00 32 30.2 34.33N 45.41E 12 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 13 01 27 52.1–1.9 34.35N–.04 45.53E–.04 1–15 17 1-3
ISN X 13 01 27 52.0–.53 34.34N 45.50E 14–15 2.9L **¶622122896**
TEH X 13 01 27 52.1 34.34N 45.50E 19 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.8km s-min=20.2km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 13 01 29 10.6–2.0 34.31N–.04 45.44E–.05 16–16 21 1-3
ISN X 13 01 29 07.5–.44 34.34N 45.48E 7–2 3.4L **¶622122897**
TEH X 13 01 29 11.5 34.34N 45.59E 24 3.2L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 13 14 21 18.3–1.4 34.37N–.05 45.56E–.05 20–8 21 1-5
ISN X 13 14 21 15.7–.41 34.38N 45.45E 7–2 3.4L **¶622122902**
TEH X 13 14 21 15.3 34.31N 45.51E 16 3.4L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 13 08 50 55.6–2.5 34.49N–.10 45.6E–.10 18 8 1-2
ISN X 13 08 50 51.4–.30 34.48N 45.66E 9 2.5L **¶622122900**
TEH X 13 08 50 52.8 34.54N 45.57E 10 2.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.9km s-min=0.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 13 04 17 58.8–1.3 34.46N–.05 45.64E–.05 35 13 1-2
ISN X 13 04 17 57.4–.41 34.37N 45.42E 18–16 2.5L **¶622122899**
TEH X 13 04 18 00.6 34.71N 46.13E 24 2.6L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=8.3km s-min=17.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XI 08 06 51 35.9–1.2 34.20N–.03 45.59E–.03 6–12 24 1-5
ISN XI 08 06 51 35.6–.36 34.20N 45.61E 15–2 3.6L **¶622122909**
TEH XI 08 06 51 36.3 34.21N 45.64E 8 3.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XI 07 22 46 51.2–1.1 33.42N–.04 46.14E–.04 7–12 20 0-4
ISN XI 07 22 46 51.1–.35 33.40N 46.14E 11–1 2.9L **¶622122908**
TEH XI 07 22 46 51.1 33.44N 46.16E 9 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 29 10 46 33.9–.84 34.67N–.03 45.36E–.04 10 19 1-3
ISN X 29 10 46 32.7–.35 34.69N 45.36E 10–1 2.7L **¶622122906**
TEH X 29 10 46 33.2 34.67N 45.37E 8 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 13 18 28 11.7–3.9 34.34N–.04 45.53E–.04 9–29 24 1-4
ISN X 13 18 28 10.9–.58 34.35N 45.51E 15–4 3.8L **¶622122903**
TEH X 13 18 28 11.5 34.37N 45.57E 15 3.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.1km s-min=5.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XI 20 02 24 58.0–.87 34.87N–.04 45.85E–.04 10 18 1-3
TEH XI 20 02 24 57.8 34.87N 45.83E 8 2.8L **¶622122913**
ISN XI 20 02 24 58.1–.51 34.88N 45.85E 15–3 3.0L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=2.3km s-min=3.8km az=-1.0. Presumed earthquake.
ISC XI 10 03 37 14.6–1.4 33.56N–.03 45.57E–.04 2–13 23 1-5
ISN XI 10 03 37 14.9–.45 33.54N 45.61E 12–1 3.1L **¶622122910**
TEH XI 10 03 37 17.2 33.76N 45.66E 11 3.1L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XI 27 13 53 56.2–.91 34.45N–.03 45.64E–.04 10 17 1-3
TEH XI 27 13 53 55.5 34.44N 45.63E 8 2.9L **¶622122916**
ISN XI 27 13 53 56.6–.38 34.47N 45.57E 18–2 2.9L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0. Presumed earthquake.
ISC XI 24 15 52 30.5–1.0 34.61N–.05 45.49E–.05 18 15 1-3
TEH XI 24 15 52 29.6 34.56N 45.45E 18 2.8L **¶622122915**
ISN XI 24 15 52 30.1–.61 34.61N 45.48E 16–51 2.9L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=50.4km s-min=51.3km az=-1.0. Presumed earthquake.
ISC XI 28 16 11 20.4–1.1 34.37N–.03 45.68E–.03 16–7 4.1b 175 1-94
IDC XI 28 16 11 17.9–.99 34.35N 45.63E 0 3.8b,3.7 **¶621480953**
ISN XI 28 16 11 20.5–.33 34.40N 45.66E 14–2 4.3L,3.7
NEIC XI 28 16 11 20.6–1.8 34.40N–.03 45.74E–.09 10–1 4.3b,3.7
TEH XI 28 16 11 20.0 34.42N 45.70E 7 4.1L,3.7
OMAN XI 28 16 11 27.9–.50 33.58N 46.09E 10 4.2b,3.7
ISC Event type se.

IDC Error ellipse: s-maj=16.3km s-min=10.9km az=161.0.
ISN Event type se. Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=5.7km az=271.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=8.1km s-min=4.0km az=61.0.
ISC XI 28 20 56 28.5–1.2 32.60N–.05 47.77E–.05 15 17 1-4
ISN XI 28 20 56 26.8–.33 32.58N 47.79E 18–2 2.7L **¶622122918**
TEH XI 28 20 56 26.4 32.64N 47.82E 10 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XI 28 15 16 34.9–1.9 34.45N–.06 45.72E–.03 11–17 16 1-3
ISN XI 28 15 16 33.6–.39 34.42N 45.64E 7–2 2.9L **¶622122917**
TEH XI 28 15 16 35.3 34.49N 45.80E 10 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 03 13 47 17.4–.89 36.42N–.04 45.44E–.04 10 17 0-3
TEH XII 03 13 47 17.2 36.36N 45.42E 8 2.8L **¶622122923**
ISN XII 03 13 47 17.1–.45 36.44N 45.52E 15–2 2.8L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=2.3km s-min=2.9km az=-1.0. Presumed earthquake.
ISC XI 29 05 49 39.3–1.2 34.32N–.04 45.62E–.05 18 9 1-2
TEH XI 29 05 49 39.2 34.30N 45.67E 19 2.5L **¶622122919**
ISN XI 29 05 49 40.6–1.4 34.32N 45.68E 30–42 2.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=18.0km s-min=3.9km az=-1.0. Presumed earthquake.
ISC XII 06 11 21 50.2–.81 36.04N–.03 45.35E–.03 10 35 1-7
TEH XII 06 11 21 49.8 36.05N 45.32E 6 3.8L **¶622122925**
ISN XII 06 11 21 50.2–.43 36.06N 45.26E 9–2 3.8L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0. Presumed earthquake.
ISC XII 05 06 14 56.7–1.1 34.82N–.06 45.60E–.05 10 11 1-2
TEH XII 05 06 14 54.5 34.81N 45.67E 8 2.5L **¶622122924**
ISN XII 05 06 14 54.6–.43 34.83N 45.67E 14–26 2.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=22.5km s-min=10.1km az=-1.0. Presumed earthquake.
ISC XII 10 17 19 43.1–.90 34.34N–.04 45.66E–.06 18 15 1-3
ISN XII 10 17 19 41.0–.51 34.36N 45.65E 13–23 2.9L **¶622122928**
TEH XII 10 17 19 41.2 34.34N 45.65E 10 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.8km s-min=31.7km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 07 14 06 56.5–.87 35.29N–.03 46.40E–.04 10 28 1-6
ISN XII 07 14 06 53.8–.44 35.27N 46.46E 4–4 3.6L **¶622122927**
TEH XII 07 14 06 56.7 35.33N 46.54E 8 3.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=3.1km s-min=5.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 12 15 09 57.6–1.3 32.69N–.06 47.62E–.05 23 15 1-3
ISN XII 12 15 09 54.1–.36 32.68N 47.69E 18–2 2.7L **¶622122929**
TEH XII 12 15 09 54.2 32.74N 47.66E 9 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.8km s-min=3.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 14 22 02 04.7–1.1 34.41N–.04 45.85E–.05 10 16 1-4
ISN XII 14 22 02 03.1–.41 34.48N 46.05E 10–13 3.4L **¶622122933**
TEH XII 14 22 02 03.2 34.46N 46.02E 5 3.3L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.7km s-min=18.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 14 15 08 08.0–1.2 34.30N–.04 45.62E–.04 18 12 1-2
TEH XII 14 15 08 06.9 34.30N 45.68E 10 2.5L **¶622122932**
ISN XII 14 15 08 07.5–.39 34.30N 45.60E 14–15 2.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=1.4km s-min=20.1km az=-1.0. Presumed earthquake.
ISC XII 22 20 45 22.1–1.4 34.76N–.03 45.61E–.04 5–13 23 1-5
TEH XII 22 20 45 22.5 34.77N 45.64E 8 3.7L **¶622122936**
ISN XII 22 20 45 22.1–.31 34.77N 45.63E 15–2 3.7L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=1.4km s-min=2.4km az=-1.0. Presumed earthquake.
ISC XII 21 01 14 25.8–1.3 34.92N–.03 45.62E–.04 2–12 22 1-5
ISN XII 21 01 14 25.8–.46 34.88N 45.68E 6–22 3.6L **¶622122935**
TEH XII 21 01 14 26.3 34.89N 45.72E 8 3.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=19.0km s-min=9.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 24 18 22 44.4–1.2 33.60N–.06 45.83E–.05 19 12 0-5
ISN XII 24 18 22 42.6–.48 33.55N 45.65E 8–4 3.1L **¶622122938**
TEH XII 24 18 22 43.2 33.73N 45.91E 11 3.1L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=0.9km s-min=4.2km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 23 07 55 26.5–1.1 34.71N–.04 45.56E–.04 18 13 1-3
TEH XII 23 07 55 26.8 34.78N 45.55E 10 2.7L **¶622122937**
ISN XII 23 07 55 27.6–.42 34.77N 45.53E 14–14 2.7L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=9.3km s-min=5.2km az=-1.0. Presumed earthquake.
ISC XII 23 13 28 40.4–.60 32.43N–.05 47.91E–.04 15 4.0b 69 1-84
IDC XII 23 13 28 36.9–4.5 32.30N 47.96E 0 3.9b,3.8 **¶621686827**
ISN XII 23 13 28 38.7–.46 32.42N 48.09E 18–35 3.6L,3.8
TEH XII 23 13 28 39.6 32.54N 48.01E 8 3.6L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=85.9km s-min=24.3km az=2.0.
ISN Event type se. Error ellipse: s-maj=36.4km s-min=18.0km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 26 20 39 36.3–.94 34.49N–.04 45.26E–.04 61–11 3.6b 50 1-82
NAO XII 26 20 39 18.7 33.12N 46.53E 33 4.2b **¶621700250**
IDC XII 26 20 39 27.5–1.9 34.33N 45.26E 0 3.7,3.6L
ISN XII 26 20 39 31.5–.39 34.48N 45.30E 7–2 3.5L,3.6L
TEH XII 26 20 39 32.8 34.50N 45.34E 16 3.8L,3.6L
ISC Event type se.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=36.9km s-min=21.7km az=40.0.
ISN Event type se. Error ellipse: s-maj=1.5km s-min=2.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 24 17 18 23.8–.47 35.12N–.03 46.68E–.03 10 3.8b 104 0-40
ISN XII 24 17 18 23.4–.41 35.14N 46.62E 11–5 3.7L **¶621700055**
TEH XII 24 17 18 23.1 35.15N 46.63E 5 3.8L
IDC XII 24 17 18 25.6–1.7 35.42N 46.28E 0 3.7b,3.7
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.7km s-min=6.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=30.8km s-min=14.7km az=142.0.
ISC XII 25 11 45 17.2–1.1 35.24N–.05 46.60E–.05 10 14 0-4
ISN XII 25 11 45 14.5–.44 35.22N 46.57E 0–57 2.8L **¶622122939**
TEH XII 25 11 45 15.2 35.23N 46.59E 12 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=59.5km s-min=35.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 27 00 25 07.2–1.4 34.53N–.05 45.29E–.07 18 13 1-3
TEH XII 27 00 25 06.7 34.50N 45.28E 15 2.7L **¶622122942**

ISN XII 27 00 25 07.3–.37 34.50N 45.29E 18–27 2.8L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=14.3km s-min=26.6km az=-1.0. Presumed earthquake.
ISC XII 29 08 42 38.1–1.5 35.28N–.04 45.47E–.05 11–14 15 1-2
ISN XII 29 08 42 37.2–.35 35.34N 45.58E 8–4 2.6L **¶622122943**
TEH XII 29 08 42 37.7 35.32N 45.51E 11 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.3km s-min=4.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 31 02 19 01.6–.89 36.33N–.04 45.60E–.04 10 14 0-3
ISN XII 31 02 19 00.9–.39 36.28N 45.60E 7–7 **¶622122945**
TEH XII 31 02 19 00.9 36.29N 45.60E 7 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=5.5km s-min=7.5km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 31 19 30 58.7–1.6 35.33N–.03 46.57E–.04 3–14 20 0-6
ISN XII 31 19 30 58.6–.33 35.32N 46.58E 8–5 3.5L **¶622122946**
TEH XII 31 19 30 58.9 35.31N 46.57E 8 3.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.7km s-min=6.7km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

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ISC VII 01 10 22 42.6–1.1 34.67N–.03 46.34E–.03 7–8 30 0-5
ISN VII 01 10 22 42.5–.53 34.67N 46.35E 13–6 3.7L **¶622122787**
TEH VII 01 10 22 42.5 34.64N 46.35E 8 3.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=3.4km s-min=6.7km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VII 03 06 33 52.4–.44 31.07N–.04 49.80E–.04 10 4.0b,3.1s 154 1-121
IDC VII 03 06 33 50.8–.96 31.11N 49.65E 0 3.8b,3.8 **¶620927794**
TEH VII 03 06 33 52.8 31.18N 49.77E 16 3.8L,3.8
NEIC VII 03 06 33 52.5–1.1 30.98N–.05 49.7E–.10 10–2 4.2b,3.8
OMAN VII 03 06 33 59.9–1.2 30.76N 50.23E 10 3.9b,3.8
DSN VII 03 06 34 01.1–1.1 30.65N 50.29E 10 4.3L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=14.0km az=6.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=3.1km az=239.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=11.1km s-min=9.2km az=30.0.
DSN Error ellipse: s-maj=18.9km s-min=10.9km az=44.0.
ISC VII 03 06 59 16.0–.39 31.06N–.04 49.76E–.03 10 4.2b,3.0s 233 1-121
IDC VII 03 06 59 14.3–.87 31.11N 49.73E 0 4.0b,4.0 **¶620733170**
NEIC VII 03 06 59 15.8–.94 31.05N–.09 49.68E–.10 10–1 4.3b,4.0
GFZ VII 03 06 59 17.1–.29 31N–5.0 50E–3.0 10 4.3b,4.3
TEH VII 03 06 59 18.2 31.21N 49.78E 12 4.1L,4.3
OMAN VII 03 06 59 23.9–.99 30.80N 50.25E 10 3.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=11.3km az=0.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=11.3km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=10.4km s-min=7.0km az=17.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=8.1km s-min=7.4km az=77.0.
ISC VII 04 17 23 39.7–1.7 34.34N–.06 46.24E–.07 7–15 16 0-3
ISN VII 04 17 23 38.2–.52 34.35N 46.22E 9–6 3.0L **¶622122791**
TEH VII 04 17 23 38.4 34.35N 46.21E 10 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.6km s-min=5.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VII 06 16 50 43.5–.97 34.08N–.04 47.08E–.04 12 16 0-3
ISN VII 06 16 50 43.0–.29 34.06N 47.05E 6–4 2.7L **¶622122792**
TEH VII 06 16 50 43.2 34.08N 47.09E 12 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.6km s-min=4.3km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VII 06 22 03 46.2–.93 34.07N–.04 47.11E–.04 12 17 0-3
ISN VII 06 22 03 44.9–.45 34.07N 47.06E 5–5 2.8L **¶622122795**
TEH VII 06 22 03 45.3 34.07N 47.09E 10 2.8L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.6km s-min=6.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VII 11 01 38 42.7–.43 30.96N–.04 49.82E–.04 10 4.0b,3.4s 204 1-89
IDC VII 11 01 38 43.0–1.0 31.28N 49.65E 0 3.9b,3.8 **¶620928390**
NEIC VII 11 01 38 43.0–1.9 30.97N–.08 49.7E–.10 10–1 4.3b,3.8
TEH VII 11 01 38 44.5 31.03N 49.84E 16 4.1L,3.8
OMAN VII 11 01 38 51.0–.92 30.60N 50.30E 10 3.8b,3.8
DSN VII 11 01 38 52.4–1.7 30.42N 50.25E 10 4.3L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=12.1km az=169.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.9km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=7.7km s-min=6.8km az=27.0.
DSN Error ellipse: s-maj=22.0km s-min=12.2km az=7.0.
TEH VII 13 14 34 50.0 33.83N 48.74E 8 3.7L
¶625421789
TEH Event type se. Presumed earthquake.
ISC VII 13 23 41 56.9–1.3 30.92N–.08 49.73E–.08 10 35 1-9
TEH VII 13 23 41 55.2 30.99N 49.71E 8 3.5L **¶624417705**
DSN VII 13 23 41 59.4–2.3 30.72N 49.78E 10 3.8L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=30.4km s-min=6.9km az=178.0.
ISC VII 14 20 03 21.6–.95 33.41N–.04 47.61E–.04 14 32 0-4
ISN VII 14 20 03 19.4–.43 33.42N 47.64E 5–6 3.3L **¶622122803**
TEH VII 14 20 03 20.3 33.42N 47.63E 7 3.4L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.0km s-min=8.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 04 01 34 47.4–.44 30.85N–.04 49.57E–.04 10 3.6b 130 2-115
IDC VIII 04 01 34 46.3–.90 30.90N 49.51E 0 3.7b,3.7 **¶620997266**
TEH VIII 04 01 34 48.2 30.88N 49.56E 12 3.8L,3.7
DSN VIII 04 01 34 52.3–2.5 30.75N 49.70E 30 4.1L,3.7
OMAN VIII 04 01 34 53.1–.08 30.60N 49.93E 10 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=11.6km az=171.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=33.8km s-min=7.5km az=175.0.
OMAN Error ellipse: s-maj=1.3km s-min=1.2km az=231.0.
ISC VIII 03 16 54 44.7–.34 30.88N–.04 49.60E–.04 10 4.4b,3.3s 357 2-90
IDC VIII 03 16 54 43.9–.74 30.97N 49.55E 0 3.9b,3.9 **¶620961713**
TEH VIII 03 16 54 44.2 30.82N 49.55E 9 4.2L,3.9
GFZ VIII 03 16 54 45.6–.32 31N–5.0 50E–3.0 10 4.3b,4.3
NEIC VIII 03 16 54 45.6–1.3 30.95N–.07 49.55E–.08 10–1 4.5b,4.3
DSN VIII 03 16 54 47.4–2.4 30.78N 49.68E 10 4.7L,4.3
MOS VIII 03 16 54 48.0–1.2 30.84N 49.55E 49 4.4b,4.3
OMAN VIII 03 16 54 49.7–.07 30.73N 50.16E 10 4.2b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=11.1km az=171.0.
TEH Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.8km az=229.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=32.3km s-min=7.0km az=176.0.
MOS Error ellipse: s-maj=7.4km s-min=4.6km az=107.5.
OMAN Error ellipse: s-maj=1.7km s-min=1.4km az=285.0.
ISC VIII 06 02 17 42.3–1.0 34.98N–.04 47.22E–.04 10 17 0-3
ISN VIII 06 02 17 42.0–.38 35.00N 47.19E 8–11 2.5L **¶622122831**
TEH VIII 06 02 17 42.5 34.97N 47.18E 18 2.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=4.7km s-min=12.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 27 11 04 47.1–.41 31.69N–.05 49.55E–.04 25 4.3b 207 1-91
IDC VIII 27 11 04 43.8–1.0 31.79N 49.56E 0 4.2s,4.1b **¶621008939**
NEIC VIII 27 11 04 45.0–1.4 31.64N–.06 49.53E–.06 10–1 4.3b,4.1b
TEH VIII 27 11 04 45.9 31.81N 49.58E 8 4.2L,4.1b
DSN VIII 27 11 04 50.8–2.7 31.56N 49.76E 30 3.9L,4.1b
OMAN VIII 27 11 04 50.5–1.0 31.40N 49.78E 10 3.9b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=12.8km az=171.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=5.5km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=33.6km s-min=7.3km az=173.0.
OMAN Error ellipse: s-maj=8.5km s-min=7.1km az=0.0.
ISC IX 05 10 03 33.7–.56 31.06N–.05 49.85E–.04 30 3.6b 74 1-84
IDC IX 05 10 03 23.0–2.9 30.27N 49.88E 0 3.6b,3.6 **¶621086399**
OMAN IX 05 10 03 32.6–.11 30.95N 49.95E 10 3.5b,3.6
TEH IX 05 10 03 34.5 31.20N 49.87E 15 3.5L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=56.1km s-min=27.7km az=11.0.
OMAN Error ellipse: s-maj=2.1km s-min=1.3km az=332.0.
TEH Event type se. Presumed earthquake.
ISC IX 02 22 20 54.2–.87 33.03N–.04 47.80E–.03 10 36 1-5
TEH IX 02 22 20 53.9 33.04N 47.80E 8 3.3L **¶622122853**
ISN IX 02 22 20 54.3–.41 33.01N 47.83E 4–6 3.4L
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=1.5km s-min=9.2km az=-1.0. Presumed earthquake.
ISC IX 05 23 42 42.6–.89 30.99N–.07 49.81E–.06 10 65 1-14
TEH IX 05 23 42 44.2 31.20N 49.84E 18 3.2L **¶621742361**
OMAN IX 05 23 42 49.2–.20 30.65N 49.98E 15 3.4b
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=3.7km s-min=2.1km az=317.0.
ISC IX 14 22 46 50.1–.93 34.59N–.04 46.08E–.04 10 16 0-3
ISN IX 14 22 46 49.0–.38 34.59N 46.09E 7–2 2.8L **¶622122862**
TEH IX 14 22 46 49.7 34.57N 46.10E 8 2.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.3km s-min=5.5km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 13 18 51 46.0–1.0 33.53N–.05 47.32E–.05 14 16 1-3
ISN IX 13 18 51 46.6–.51 33.53N 47.33E 26–3 2.8L **¶622122860**
TEH IX 13 18 51 46.1 33.54N 47.29E 8 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=3.7km s-min=4.3km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
TEH X 04 07 47 44.9 32.42N 49.78E 9 3.7L
¶625424253
TEH Event type se. Presumed earthquake.
ISC X 04 02 39 29.0–.23 32.34N–.02 49.72E–.02 21–2 6.0b,5.3s 2358 1-170
BJI X 04 02 39 26.0 32.30N 49.80E 10 5.8s,5.8b **¶621117512**
IPGP X 04 02 39 27.0 32.27N 49.75E 23 5.5W,5.8b
MOS X 04 02 39 27.0–.98 32.31N 49.68E 15 6.1b,5.1s
NEIC X 04 02 39 27.9 32.29N 49.75E 10 6.1b,5.1s
NEIC X 04 02 39 27.9 32.28N 49.73E 10 6.1b,5.1s
GFZ X 04 02 39 28.5–.09 32N–2.0 50E–1.0 10 6.9L,6.1b
NEIC X 04 02 39 28.3–2.1 32.34N–.06 49.76E–.08 13–1 6.1b,5.4
ISC-P X 04 02 39 28 32.34N 49.76E 18–0 5.8,5.4
TEH X 04 02 39 28.3 32.33N 49.75E 9 5.8L,5.4
NEIC X 04 02 39 28.2 32.48N 49.97E 22 5.5,5.4
GFZ X 04 02 39 28.6 32.33N 49.75E 19 5.5W,5.4
GCMT X 04 02 39 29.8–.10 32.22N–.01 49.72E–.01 23–0 5.6W,5.4
THR X 04 02 39 29.2–.00 32.35N 49.73E 17–3 6.0L,5.4
PTWC X 04 02 39 30 32.20N 49.70E 5.7,5.4
BGR X 04 02 39 31.4 32.23N 49.31E 33 6.2,5.9b
IDC X 04 02 39 31.2–1.1 32.37N 49.69E 35–7 5.7,5.5b
OMAN X 04 02 39 35.3–.14 32.11N 50.20E 69–1 6.1b,5.7
PDG X 04 02 39 36.8 32.30N 47.78E 10 5.6b,5.7
DSN X 04 02 39 36.2–.80 31.93N 50.12E 30 6.0L,5.7
AFAD X 04 02 39 40.0 32.20N 48.40E 35–465 5.4W,5.7
ISC Event type ke.
IPGP Moment Tensor Solution. NP1:ϕ_s125.00000°,δ41.00000°,λ94.00000°. NP2:ϕ_s299.00000°,δ49.00000°,λ86.00000°.
MOS Error ellipse: s-maj=4.2km s-min=2.3km az=120.9.
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.0km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.41 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$-0.58 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.74 $M_{\phi r}$0.11 NP1:ϕ_s309.49000°,δ48.73000°,λ89.29000°. NP2:ϕ_s130.57000°,δ41.27000°,λ90.81000°. Principal axes: T 1.4234,Plg86.0000°,Azm212.0000°; N 0.0490,Plg1.0000°,Azm310.0000°; P -1.4724,Plg4.0000°,Azm40.0000° $M_0$1.45000×10^{17}
ISC-P Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35±.19 $M_{\theta\theta}$-0.38±.15; $M_{\phi\phi}$0.73±.19; $M_{r\theta}$-0.25±.25; $M_{\theta\phi}$0.20±.13; $M_{\phi r}$-0.06±.17; NP1:ϕ_s309.20000°,δ84.50000°,λ148.80000°. NP2:ϕ_s42.50000°,δ59.00000°,λ6.40000°. $M_0$7.16000×10^{17}
TEH Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.27 $M_{\theta\theta}$-1.61 $M_{\phi\phi}$-0.66 $M_{r\theta}$-0.74 $M_{\theta\phi}$0.95 $M_{\phi r}$0.61 NP1:ϕ_s118.91000°,δ33.59000°,λ85.09000°. NP2:ϕ_s304.80000°,δ56.55000°,λ93.26000°. Principal axes: T 2.4718,Plg78.0000°,Azm226.0000°; N -0.0805,Plg3.0000°,Azm123.0000°; P -2.3914,Plg11.0000°,Azm32.0000° $M_0$2.43000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.06 $M_{\theta\theta}$-1.39 $M_{\phi\phi}$-0.66 $M_{r\theta}$-0.11 $M_{\theta\phi}$1.02 $M_{\phi r}$-0.20 NP1: ϕ_s131.57453°,δ45.76829°,λ98.98308°. NP2:ϕ_s298.80581°,δ44.94898°,λ80.88808°. Principal axes: T 2.0823,Plg83.5630°,Azm121.5793°; N 0.0290,Plg6.4237°,Azm305.2818°; P -2.1113,Plg0.4122°,Azm215.2354° $M_0$2.09693×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110040239A. Moment Tensor Solution. s133,c241; s132,c275;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.56±.03 $M_{\theta\theta}$-2.31±.03; $M_{\phi\phi}$-0.24±.03; $M_{r\theta}$0.30±.04; $M_{\theta\phi}$1.36±.02; $M_{\phi r}$0.13±.04; Best double couple: NP1: ϕ_s303.00000°,δ43.00000°,λ99.00000°. NP2:ϕ_s110.00000°,δ48.00000°,λ81.00000°. Principal axes: T 2.5960,Plg83.0000°,Azm315.0000°; N 0.3990,Plg6.0000°,Azm116.0000°; P -2.9940,Plg2.0000°,Azm206.0000° $M_0$2.79500×10^{17}
THR Event type se. Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0. Presumed earthquake.
BGR Event type ke.
IDC Error ellipse: s-maj=8.5km s-min=6.2km az=9.0.
OMAN Error ellipse: s-maj=2.6km s-min=1.4km az=312.0.
PDG Event type ke.
DSN Error ellipse: s-maj=10.6km s-min=4.8km az=19.0.
AFAD Event type se. Presumed earthquake.
ISC X 02 23 14 03.9–1.3 34.65N–.03 46.26E–.03 3–12 21 1-3
ISN X 02 23 14 02.8–.50 34.64N 46.29E 5–4 3.0L **¶622122888**
TEH X 02 23 14 03.9 34.64N 46.29E 6 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.4km s-min=5.7km az=-1.0. Presumed earthquake.

TEH Event type se. Presumed earthquake.
ISC X 08 23 16 26.6–.55 32.35N–.03 49.76E–.02 14–3 5.0b,4.0s 938 1-132
NAO X 08 23 16 21.5 31.15N 49.16E 33 4.5b,4.0s **¶621143671**
IDC X 08 23 16 24.3–.42 32.34N 49.75E 0 4.6b,4.6
MOS X 08 23 16 24.3–1.1 32.36N 49.70E 8 5.0b,4.6
BJI X 08 23 16 24.0 32.30N 49.70E 10 5.1b,4.7s
TEH X 08 23 16 26.9 32.38N 49.79E 8 4.8L,4.7s
NEIC X 08 23 16 26.5–1.9 32.34N–.05 49.73E–.08 10–1 5.1b,4.7s
THR X 08 23 16 26.9–.00 32.34N 49.75E 10–6 5.0L,4.7s
GFZ X 08 23 16 27.8–.29 32N–3.0 50E–3.0 10 5.6L,5.2b
GCMT X 08 23 16 28.6–.30 32.31N–.02 49.62E–.03 23–0 4.8W,5.2b
OMAN X 08 23 16 28.9–.05 32.14N 49.83E 10 5.0b,3.6s
DSN X 08 23 16 32.8–.72 32.08N 50.03E 30 5.0L,3.6s
ISC Event type se.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=10.5km s-min=7.8km az=0.0.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=117.4.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.9km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THR Event type se. Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110082316A. Moment Tensor Solution. s36,c40; s72,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.36±.13 $M_{\theta\theta}$-1.46±.08; $M_{\phi\phi}$-0.90±.08; $M_{r\theta}$0.32±.11; $M_{\theta\phi}$1.09±.05; $M_{\phi r}$-0.20±.12; Best double couple: NP1:ϕ_s309.00000°,δ40.00000°,λ91.00000°. NP2:ϕ_s127.00000°,δ50.00000°,λ89.00000°. Principal axes:
T 2.3910,Plg85.0000°,Azm28.0000°; N -0.0580,Plg1.0000°,Azm128.0000°
; P -2.3370,Plg5.0000°,Azm218.0000° M_o2.36400×10^{16}
OMAN Error ellipse: s-maj=1.7km s-min=1.2km az=291.0.
DSN Error ellipse: s-maj=9.0km s-min=4.1km az=10.0.
ISC X 07 17 31 15.4–.41 32.27N–.05 49.70E–.04 19 4.0b 173 1-82
IDC X 07 17 31 12.9–.82 32.36N 49.68E 0 3.9b,3.9 **¶621217227**
NEIC X 07 17 31 14.6–1.7 32.30N–.08 49.71E–.03 10–1 4.4b,3.9
TEH X 07 17 31 14.7 32.32N 49.69E 9 4.0L,3.9
OMAN X 07 17 31 21.5–.98 32.13N 49.87E 140–15 4.0b,3.9
DSN X 07 17 31 24.7–1.5 31.77N 50.08E 30 4.0L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=11.6km az=170.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=4.7km az=11.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=7.7km s-min=5.8km az=4.0.
DSN Error ellipse: s-maj=19.6km s-min=8.7km az=8.0.
TEH X 12 14 11 37.6 34.41N 48.59E 6 3.8L
¶625424580
TEH Event type se. Presumed earthquake.
ISC X 10 21 52 04.8–.33 32.33N–.04 49.70E–.03 10 4.4b,4.1s 382 1-122
MOS X 10 21 52 03.2–1.2 32.35N 49.64E 10 4.5b,4.1s **¶621144599**
IDC X 10 21 52 03.3–.74 32.41N 49.62E 0 4.0b,4.0
NEIC X 10 21 52 05.0–1.6 32.29N–.07 49.65E–.09 10–1 4.5b,4.0
GFZ X 10 21 52 05.7–.24 32N–4.0 50E–3.0 10 5.0b,5.0L
TEH X 10 21 52 05.7 32.39N 49.78E 9 4.0L,5.0L
DSN X 10 21 52 06.5–.76 32.42N 49.83E 30 5.0b,3.8L
OMAN X 10 21 52 09.7–1.4 31.98N 49.92E 10 4.4b,3.8L
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=4.5km az=114.7.
IDC Error ellipse: s-maj=16.6km s-min=10.1km az=167.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.9km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=11.4km s-min=6.1km az=21.0.
OMAN Error ellipse: s-maj=15.2km s-min=10.6km az=110.0.
ISC X 09 06 05 32.1–.74 32.34N–.03 49.71E–.02 14–4 4.8b 676 1-132
NAO X 09 06 05 23.6 30.96N 49.73E 33 4.5b **¶621143702**
MOS X 09 06 05 29.6–1.1 32.35N 49.72E 9 4.7b
IDC X 09 06 05 29.5–.50 32.33N 49.70E 0 4.5b,4.4
TEH X 09 06 05 32.2 32.37N 49.75E 8 4.6L,4.4
NEIC X 09 06 05 32.1–1.3 32.38N–.07 49.75E–.08 10–1 4.9b,4.4
THR X 09 06 05 32.0–.00 32.29N 49.72E 12–6 4.7L,4.4
GII X 09 06 05 33.0–.00 32.38N 49.75E 0 5.1,4.4
GFZ X 09 06 05 33.1–.30 32N–4.0 50E–3.0 10 4.9b,4.9b
OMAN X 09 06 05 37.8–1.0 31.94N 50.00E 10 4.6b,4.9b
DSN X 09 06 05 41.2–.96 31.64N 50.02E 10 4.4L,4.9b
ISC Event type ke.
NAO Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=114.4.
IDC Error ellipse: s-maj=13.0km s-min=9.4km az=178.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.4km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THR Event type se. Error ellipse: s-maj=2.6km s-min=2.6km az=-1.0. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
OMAN Error ellipse: s-maj=10.0km s-min=8.3km az=102.0.
DSN Error ellipse: s-maj=12.8km s-min=4.9km az=11.0.
ISC X 25 01 10 10.0–.77 32.34N–.04 49.75E–.04 10 76 1-16
TEH X 25 01 10 09.8 32.37N 49.78E 16 3.4L **¶621742902**
DSN X 25 01 10 16.9–.98 31.71N 50.04E 10 3.2L
OMAN X 25 01 10 23.7–.10 31.43N 50.06E 35–3 3.8b
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=13.5km s-min=5.4km az=12.0.
OMAN Error ellipse: s-maj=2.2km s-min=1.3km az=291.0.
ISC X 14 01 17 42.4–.58 32.28N–.05 48.71E–.04 10 4.0b 84 1-56
IDC X 14 01 17 41.7–2.0 32.45N 48.78E 0 3.9b,3.9 **¶621240613**
NEIC X 14 01 17 42.6–1.6 32.27N–.06 48.71E–.06 10–2 4.1b,3.9
TEH X 14 01 17 44.3 32.30N 48.81E 19 3.6L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=13.6km az=160.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.3km az=144.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
ISC X 15 23 16 21.9–1.0 31.48N–.07 49.66E–.05 25 27 1-9
TEH X 15 23 16 21.1 31.65N 49.66E 8 3.2L **¶624418471**
DSN X 15 23 16 30.8–1.9 30.57N 49.69E 10 3.6L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=24.9km s-min=5.5km az=10.0.
ISC XI 11 08 24 27.5–.43 33.71N–.04 48.76E–.04 13 4.2b 154 1-63
IDC XI 11 08 24 26.6–1.5 33.78N 48.81E 0 3.9b,3.9 **¶621449518**
TEH XI 11 08 24 26.9 33.87N 48.72E 8 4.1L,3.9
NEIC XI 11 08 24 28.1–1.0 33.7N–.10 48.82E–.10 10–2 4.3b,3.9
DSN XI 11 08 24 37.0–.55 33.42N 49.27E 30 4.3b,3.9
OMAN XI 11 08 24 36.7–.99 33.35N 49.53E 10 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=16.3km az=168.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=10.1km az=211.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DSN Error ellipse: s-maj=6.2km s-min=5.4km az=43.0.
OMAN Error ellipse: s-maj=17.7km s-min=8.3km az=50.0.
ISC XI 09 12 25 32.2–.48 34.54N–.03 46.26E–.03 10 3.8b 79 1-80
IDC XI 09 12 25 30.6–1.2 34.45N 46.18E 0 3.7b,3.7 **¶621423154**
TEH XI 09 12 25 31.8 34.55N 46.25E 6 3.9L,3.7
ISN XI 09 12 25 33.5–.57 34.56N 46.27E 18–3 3.9L,3.7
OMAN XI 09 12 25 44.1–2.4 33.65N 46.19E 77–53 3.8b,3.7
GII XI 09 12 28 08.0–.00 34.530N–.00 46.320E–.00 0 4.3,3.7
ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
TEH XI 11 09 40 05.3 33.95N 48.74E 9 3.7L
¶625427252
TEH Event type se. Presumed earthquake.
ISC XI 11 21 42 32.3–.32 32.39N–.04 49.32E–.03 19 4.4b,3.4s 407 1-122
IDC XI 11 21 42 29.0–.69 32.38N 49.30E 0 4.1b,4.1 **¶621399222**
MOS XI 11 21 42 29.4–1.1 32.25N 49.34E 14 4.5b,4.1
DSN XI 11 21 42 29.9–2.5 32.40N 49.46E 5 3.7L,4.1
NEIC XI 11 21 42 30.8–1.6 32.28N–.07 49.36E–.09 10–1 4.4b,4.1
TEH XI 11 21 42 32.2 32.44N 49.44E 8 4.2L,4.1
GFZ XI 11 21 42 32.3–.25 32N–5.0 49E–3.0 10 5.2L,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 27 10 13 45.7–.79 33.81N–.04 48.86E–.03 11 50 1-17
TEH XI 27 10 13 47.8 33.85N 48.74E 7 3.8L **¶621743398**
OMAN XI 27 10 13 52.1–.10 33.34N 48.94E 10 4.0b
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=2.3km s-min=1.4km az=11.0.
ISC XI 14 14 47 45.3–.48 32.59N–.04 48.66E–.04 17 4.3b 67 1-89
NEIC XI 14 14 47 43.9–.79 32.44N–.08 48.7E–.10 10–1 4.4b **¶621468702**
IDC XI 14 14 47 43.9–4.2 32.74N 48.58E 0 3.9b,3.8
TEH XI 14 14 47 44.6 32.59N 48.66E 14 3.5L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=12.3km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=88.9km s-min=22.0km az=179.0.
TEH Event type se. Presumed earthquake.
ISC XI 21 15 24 26.3–1.8 34.79N–.06 47.38E–.06 12–18 17 0-4
ISN XI 21 15 24 24.3–.33 34.76N 47.29E 5–3 3.0L **¶622122914**
TEH XI 21 15 24 24.7 34.74N 47.32E 6 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.9km s-min=5.4km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XI 30 06 53 19.2–.94 31.78N–.08 49.36E–.05 20 3.4b 40 1-38
IDC XI 30 06 53 15.8–2.7 31.84N 49.44E 0 3.8L,3.8 **¶621627022**
TEH XI 30 06 53 17.0 31.81N 49.38E 14 3.8L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=55.0km s-min=17.9km az=165.0.
TEH Event type se. Presumed earthquake.
ISC XI 30 15 04 53.7–.35 35.74N–.03 48.75E–.03 10 4.2b 137 0-81
TEH XI 30 15 04 50.7 35.78N 48.78E 9 4.3L **¶621627065**
IDC XI 30 15 04 52.6–.86 35.76N 48.54E 0 3.9L,3.9b
NEIC XI 30 15 04 54.1–.84 35.74N–.06 48.70E–.07 10–1 4.4b,3.9b
MOS XI 30 15 04 55.4–1.9 35.80N 48.60E 10 4.5b,3.9b
OMAN XI 30 15 06 28.9–1.3 28.85N 51.62E 10 3.9b,3.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=18.2km s-min=12.4km az=161.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.9km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.8km s-min=4.7km az=94.9.
OMAN Error ellipse: s-maj=14.7km s-min=9.9km az=18.0.
ISC XI 30 15 06 01.4–.32 35.76N–.03 48.74E–.03 10 4.6b,3.5s 226 0-84
TEH XI 30 15 05 58.8 35.78N 48.80E 6 4.5L,3.5s **¶621532538**
IDC XI 30 15 05 60.0–.68 35.74N 48.65E 0 4.3L,4.3b
MOS XI 30 15 06 00.8–1.6 35.94N 48.64E 10 4.7b,4.3b
THR XI 30 15 06 01.5–.00 35.77N 48.83E 5–7 4.6L,4.3b
NEIC XI 30 15 06 02.0–1.1 35.73N–.09 48.76E–.09 10–1 4.7b,4.3b
ISC Event type se.
TEH Event type se. Presumed earthquake.
THR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 14 21 23 03.6–.50 32.33N–.03 49.71E–.03 17–3 4.7b,3.8s 689 1-132
IDC XII 14 21 23 01.1–.60 32.38N 49.67E 0 4.4b,4.3 **¶621630093**
MOS XII 14 21 23 01.6–1.0 32.32N 49.72E 15 4.7b,4.3
NEIC XII 14 21 23 03.0–1.6 32.31N–.06 49.69E–.07 10–1 4.9b,4.3
THR XII 14 21 23 03.7–.00 32.37N 49.71E 12–4 4.7L,4.3
TEH XII 14 21 23 03.6 32.38N 49.79E 8 4.6L,4.3
DSN XII 14 21 23 03.9–2.6 32.29N 49.86E 10 4.6L,4.3
GFZ XII 14 21 23 04.0–.27 32N–4.0 50E–3.0 10 5.5L,5.2b
BGR XII 14 21 23 03.8 32.01N 49.69E 33 4.5b,3.7s
BJI XII 14 21 23 05.0 32.40N 49.70E 40 5.2b,4.6b
OMAN XII 14 21 23 08.6–1.1 31.94N 49.98E 10 4.6b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=10.1km az=172.0.
MOS Error ellipse: s-maj=6.0km s-min=3.6km az=113.9.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.1km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THR Event type se. Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=29.2km s-min=6.6km az=162.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
OMAN Error ellipse: s-maj=10.2km s-min=8.0km az=111.0.
ISC XII 14 12 11 05.9–1.0 34.14N–.05 46.15E–.05 10 13 1-2
ISN XII 14 12 11 02.9–.63 34.17N 46.23E 12–8 2.5L **¶622122931**
TEH XII 14 12 11 04.4 34.19N 46.18E 6 2.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.8km s-min=8.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 15 08 21 10.8–.27 32.33N–.03 49.69E–.03 21–3 4.9b,3.9s 693 1-132
NAO XII 15 08 20 57.6 30.49N 49.92E 33 4.6b,3.9s **¶621630209**
BJI XII 15 08 21 07.6 32.40N 49.70E 10 5.1b,4.7b
IDC XII 15 08 21 07.1–.52 32.30N 49.70E 0 4.4b,4.4
MOS XII 15 08 21 08.2–1.3 32.31N 49.66E 12 4.9b,4.4
NEIC XII 15 08 21 09.8–2.1 32.31N–.07 49.69E–.08 10–1 5.0b,4.4
TEH XII 15 08 21 10.4 32.40N 49.76E 8 4.6L,4.4
THR XII 15 08 21 10.3–.00 32.37N 49.72E 12–4 4.8L,4.4
GFZ XII 15 08 21 11.0–.34 32N–6.0 50E–4.0 10 4.9b,4.9b
OMAN XII 15 08 21 13.8–.04 32.04N 49.96E 15 4.7b,3.3s
BGR XII 15 08 21 13.1 32.01N 49.41E 33 4.6b,3.3s
DSN XII 15 08 21 16.6–3.3 32.05N 50.03E 30 4.8L,3.3s
ISC Event type ke.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=12.2km s-min=9.5km az=1.0.
MOS Error ellipse: s-maj=5.3km s-min=3.5km az=113.5.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.6km az=41.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

TEH Event type se. Presumed earthquake.
THR Event type se. Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
OMAN Error ellipse: s-maj=1.5km s-min=0.6km az=234.0.
BGR Event type ke.
DSN Error ellipse: s-maj=36.9km s-min=7.4km az=163.0.

ISC	**XII**	**16 22 49 11.5–1.3**	**34.06N–.04**	**47.21E–.03**	**3–11**		**30**	**0-4**
TEH	XII	16 22 49 10.7	34.04N	47.22E	8	3.2L		**¶622122934**
ISN	XII	16 22 49 10.3–.34	34.02N	47.21E	7–4	3.2L		

ISC Event type se.
TEH Event type se. Presumed earthquake.
ISN Event type se. Error ellipse: s-maj=1.7km s-min=5.0km az=-1.0. Presumed earthquake.

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ISC	**VII**	**01 14 06 15.4–.78**	**30.88N–.04**	**56.60E–.03**	**10**	**3.5b**	**41**	**1-53**
IDC	VII	01 14 06 12.2–2.7	30.30N	56.51E	0	3.6b,3.6		**¶620927674**
TEH	VII	01 14 06 14.1	30.90N	56.60E	5	4.0L,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=77.3km s-min=24.8km az=153.0.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**01 14 16 56.4–.48**	**30.89N–.04**	**56.62E–.04**	**11**	**4.0b,3.5s**	**87**	**1-92**
IDC	VII	01 14 16 55.5–1.1	30.81N	56.45E	0	4.0b,3.9		**¶620676525**
TEH	VII	01 14 16 55.2	30.92N	56.64E	6	4.3L,3.9		
NEIC	VII	01 14 16 56.2–2.0	30.95N–.06	56.5E–.10	10–1	4.2b,3.9		
DSN	VII	01 14 17 09.8–1.1	30.08N	56.12E	10	4.2L,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=17.0km az=171.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=10.3km az=278.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=21.6km s-min=10.0km az=81.0.

ISC	**VII**	**03 07 10 49.5–.69**	**30.73N–.05**	**57.20E–.04**	**11**	**3.6b**	**32**	**1-54**
IDC	VII	03 07 10 47.3–2.4	30.57N	57.21E	0	3.8b,3.8		**¶620927795**
TEH	VII	03 07 10 47.6	30.78N	57.20E	5	3.8L,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=21.6km az=158.0.
TEH Event type se. Presumed earthquake.

ISC	**VII**	**11 19 33 26.6–.51**	**35.70N–.03**	**58.31E–.03**	**10**	**3.7b**	**74**	**1-126**
IDC	VII	11 19 33 25.5–.82	35.65N	58.19E	0	3.7,3.6b		**¶620787484**
TEH	VII	11 19 33 25.2	35.59N	58.29E	8	4.0L,3.6b		

ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=12.5km az=166.0.
TEH Event type se. Presumed earthquake.

TEH	**VII**	**16 17 15 37.0**	**30.08N**	**57.66E**	**7**	**3.5L**		
								¶625421869

TEH Event type se. Presumed earthquake.

TEH	**VII**	**16 19 57 16.6**	**33.92N**	**59.87E**	**6**	**2.9L**		
								¶626328330

TEH Event type se. Presumed earthquake.

TEH	**VII**	**17 02 22 45.0**	**33.34N**	**55.17E**	**14**	**3.5L**		
								¶625421888

TEH Event type se. Presumed earthquake.

TEH	**VII**	**30 13 52 05.8**	**33.34N**	**51.24E**	**7**	**3.6L**		
								¶625422249

TEH Event type se. Presumed earthquake.

TEH	**VII**	**22 16 01 30.0**	**34.25N**	**52.01E**	**6**	**3.9L**		
								¶625422035

TEH Event type se. Presumed earthquake.

ISC	**VIII**	**02 21 39 36.9–.35**	**32.09N–.04**	**60.57E–.04**	**10**	**4.4b,3.9s**	**423**	**1-95**
IDC	VIII	02 21 39 33.0–.65	31.81N	60.52E	0	4.0b,4.0		**¶620929664**
TEH	VIII	02 21 39 34.6	32.10N	60.59E	6	4.6L,4.0		
THR	VIII	02 21 39 35.6–.00	32.09N	60.57E	12–6	4.6L,4.0		
MOS	VIII	02 21 39 35.4–1.2	32.05N	60.68E	13	4.7b,4.0		
NEIC	VIII	02 21 39 37.5–1.9	32.17N–.08	60.64E–.08	10–1	4.5b,4.0		
GFZ	VIII	02 21 39 37.1–.42	32N–7.0	61E–3.0	10	4.4b,4.4		
GCMT	VIII	02 21 39 37.4–.40	32.07N–.03	60.68E–.02	12	4.7W,4.4		

ISC Event type se.
TEH Event type se. Presumed earthquake.
THR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108022139A. Moment Tensor Solution. s9,c9; s72,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.06±.05 $M_{\theta\theta}$0.57±.05; $M_{\phi\phi}$-0.50±.04; $M_{r\theta}$-0.26±.13; $M_{\theta\phi}$0.77±.03; $M_{\phi r}$1.02±.13; Best double couple: NP1:ϕ_s99.00000°,δ49.00000° ,λ-10.00000°. NP2:ϕ_s196.00000°,δ82.00000°,λ-139.00000°. Principal axes: T 1.0650,Plg22.0000°,Azm321.0000°; N 0.5340,Plg48.0000°,Azm205.0000° ; P -1.5990,Plg34.0000°,Azm66.0000° M_o1.33200×10^{16}

TEH	**VII**	**30 12 12 49.0**	**33.35N**	**51.23E**	**8**	**3.7L**		
								¶625422248

TEH Event type se. Presumed earthquake.

ISC	**VIII**	**03 17 27 51.7–.72**	**30.89N–.05**	**57.02E–.04**	**10**	**3.6b**	**34**	**1-63**
TEH	VIII	03 17 27 48.6	30.91N	57.03E	8	3.8L		**¶620995884**
IDC	VIII	03 17 27 49.0–2.2	30.63N	57.12E	0	3.7,3.6b		

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=57.1km s-min=19.4km az=160.0.

TEH	**VIII**	**02 23 06 18.2**	**32.11N**	**60.58E**	**8**	**3.5L**		
								¶625422312

TEH Event type se. Presumed earthquake.

ISC	**VIII**	**13 21 55 55.4–.77**	**32.12N–.04**	**60.53E–.07**	**10**	**3.7b**	**30**	**1-89**
TEH	VIII	13 21 55 53.4	32.12N	60.57E	6	3.8L		**¶621012236**
IDC	VIII	13 21 55 53.9–1.2	32.03N	60.52E	0	3.6,3.5b		

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=27.8km s-min=26.4km az=157.0.

ISC	**VIII**	**13 22 03 21.5–.76**	**31.88N–.05**	**56.15E–.03**	**13**	**3.0b**	**44**	**1-49**
TEH	VIII	13 22 03 20.7	31.90N	56.13E	8	3.7L		**¶621012240**
IDC	VIII	13 22 03 20.4–8.2	32.32N	56.19E	0	3.6L,3.6s		

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=203.0km s-min=25.5km az=170.0.

TEH	**VIII**	**14 03 20 13.9**	**34.04N**	**60.22E**	**7**	**3.5L**		
								¶625422642

TEH Event type se. Presumed earthquake.

TEH	**VIII**	**18 09 49 02.5**	**32.09N**	**60.53E**	**7**	**3.5L**		
								¶625422759

TEH Event type se. Presumed earthquake.

ISC	**VIII**	**15 12 41 51.9–.53**	**35.80N–.03**	**51.86E–.03**	**11**	**3.6b**	**61**	**0-59**
TEH	VIII	15 12 41 49.7	35.82N	51.86E	8	3.9L		**¶621023606**
IDC	VIII	15 12 41 51.6–1.6	35.79N	51.87E	0	3.7,3.6b		
NNC	VIII	15 12 42 06.4–4.3	36.95N	52.94E	0	3.6b,3.6b		

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=34.1km s-min=16.9km az=9.0.
NNC Event type se. Error ellipse: s-maj=65.5km s-min=26.2km az=80.0.

ISC	**VIII**	**22 21 12 09.8–.78**	**32.17N–.03**	**56.12E–.03**	**13**	**3.8b**	**58**	**1-53**
TEH	VIII	22 21 12 08.4	32.19N	56.13E	8	4.0L		**¶621043125**
IDC	VIII	22 21 12 14.2–3.0	32.98N	56.02E	0	3.7b,3.6		

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=94.5km s-min=25.8km az=157.0.

ISC	**VIII**	**23 07 18 09.6–.93**	**37.24N–.08**	**56.75E–.05**	**10**		**20**	**1-21**
TEH	VIII	23 07 18 08.8	37.25N	56.75E	13	3.3L		**¶625422896**
NNC	VIII	23 07 18 24.7–9.0	38.17N	57.08E	78–99	3.1b		

ISC Event type se.
TEH Event type se. Presumed earthquake.
NNC Event type se. Error ellipse: s-maj=117.6km s-min=46.1km az=68.0.

ISC	**VIII**	**24 02 35 16.7–.69**	**34.29N–.03**	**56.56E–.03**	**10**	**3.5b**	**62**	**0-71**
IDC	VIII	24 02 35 13.6–4.1	33.98N	56.64E	0	3.7L,3.7		**¶621049279**
TEH	VIII	24 02 35 15.9	34.29N	56.56E	12	4.2L,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=75.7km s-min=23.3km az=170.0.
TEH Event type se. Presumed earthquake.

TEH	**IX**	**06 04 21 43.9**	**34.07N**	**55.94E**	**15**	**3.9L**		
								¶625423336

TEH Event type se. Presumed earthquake.

ISC	**VIII**	**28 20 50 46.7–1.2**	**30.92N–.04**	**51.64E–.06**	**13–8**	**3.7b**	**28**	**0-49**
IDC	VIII	28 20 50 44.5–2.5	30.91N	51.50E	0	3.7b,3.6		**¶621073133**
TEH	VIII	28 20 50 47.7	30.91N	51.60E	8	2.9L,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=49.8km s-min=25.4km az=160.0.
TEH Event type se. Presumed earthquake.

ISC	**IX**	**11 00 48 08.3–.77**	**37.39N–.06**	**56.68E–.04**	**20**	**3.5b**	**37**	**1-78**
TEH	IX	11 00 48 05.6	37.30N	56.69E	9	3.5L		**¶621108550**
IDC	IX	11 00 48 07.7–3.8	37.68N	56.49E	0	3.6,3.5b		
NNC	IX	11 00 48 14.7–13	38.04N	56.88E	0	3.8b,3.5b		

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=75.2km s-min=22.5km az=3.0.
NNC Event type se. Error ellipse: s-maj=143.4km s-min=73.4km az=57.0.

ISC	**IX**	**27 21 06 50.3–.79**	**36.40N–.04**	**54.45E–.03**	**10**		**48**	**1-14**
TEH	IX	27 21 06 49.9	36.41N	54.45E	6	3.7L		**¶625424016**

ISC Event type se.
TEH Event type se. Presumed earthquake.

ISC	**IX**	**19 09 08 56.5–.35**	**30.98N–.03**	**51.21E–.04**	**10**	**4.3b**	**299**	**0-133**
IDC	IX	19 09 08 55.4–.67	31.06N	51.12E	0	4.0b,4.0		**¶621083071**
TEH	IX	19 09 08 55.3	30.98N	51.16E	8	4.0L,4.0		
MOS	IX	19 09 08 56.1–1.2	30.94N	51.12E	17	4.4b,4.0		
NEIC	IX	19 09 08 57.2–1.1	30.90N–.06	51.24E–.09	10–1	4.3b,4.0		
GFZ	IX	19 09 08 57.0–.27	31N–4.0	51E–3.0	10	6.2,6.2		
DSN	IX	19 09 08 59.1–1.7	30.80N	51.41E	10	4.4L,6.2		
OMAN	IX	19 09 08 59.9–.82	30.78N	51.54E	10	4.0b,6.2		
NAO	IX	19 09 09 14.3	32.28N	49.24E	33	3.9b,6.2		

ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=12.1km az=1.0.
TEH Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=7.6km s-min=5.3km az=103.7.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.0km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DSN Error ellipse: s-maj=22.5km s-min=4.2km az=3.0.
OMAN Error ellipse: s-maj=6.6km s-min=5.4km az=154.0.
NAO Event type se. Presumed earthquake.

TEH	**X**	**03 05 21 13.0**	**34.15N**	**57.17E**	**8**	**3.7L**		
								¶625424214

TEH Event type se. Presumed earthquake.

ISC	**IX**	**29 11 01 44.9–.84**	**30.77N–.04**	**56.73E–.03**	**11**		**34**	**0-18**
TEH	IX	29 11 01 43.9	30.77N	56.72E	8	3.9L		**¶624418340**
DSN	IX	29 11 01 57.7–1.4	30.03N	56.21E	10	3.2L		

ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=22.8km s-min=12.7km az=76.0.

ISC	**X**	**06 01 47 53.9–1.0**	**36.39N–.04**	**52.33E–.04**	**20–4**		**63**	**0-21**
TEH	X	06 01 47 53.8	36.37N	52.31E	17	3.6L		**¶624925787**
NNC	X	06 01 48 00.8–3.5	37.20N	52.76E	0	3.4b		

ISC Event type se.
TEH Event type se. Presumed earthquake.
NNC Event type se. Error ellipse: s-maj=33.4km s-min=26.3km az=67.0.

TEH	**X**	**03 10 03 17.9**	**36.84N**	**55.19E**	**8**	**3.6L**		
								¶625424215

TEH Event type se. Presumed earthquake.

ISC	**X**	**16 12 59 20.5–.76**	**30.92N–.04**	**56.51E–.03**	**11**	**3.5b,2.9s**	**32**	**1-53**
IDC	X	16 12 59 18.8–2.8	30.69N	56.59E	0	3.6b,3.6		**¶621242123**
TEH	X	16 12 59 18.3	30.95N	56.50E	7	4.0L,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=79.4km s-min=23.8km az=154.0.
TEH Event type se. Presumed earthquake.

TEH	**X**	**08 20 30 31.6**	**32.38N**	**59.61E**	**8**	**3.6L**		
								¶625424403

TEH Event type se. Presumed earthquake.

TEH	**X**	**11 00 30 50.2**	**30.77N**	**56.90E**	**6**	**3.6L**		
								¶625424531

TEH Event type se. Presumed earthquake.

ISC	**X**	**09 20 37 39.8–.40**	**32.25N–.03**	**59.04E–.03**	**10**	**4.0s,3.9b**	**164**	**0-91**
MOS	X	09 20 37 37.3–1.0	32.17N	59.19E	3	4.5b,3.9b		**¶621235349**
IDC	X	09 20 37 38.3–.78	32.13N	59.10E	0	3.9,3.8L		
TEH	X	09 20 37 38.9	32.25N	59.05E	7	4.4L,3.8L		
NEIC	X	09 20 37 39.9–1.9	32.33N–.08	59.13E–.06	10–1	4.2b,3.8L		

ISC Event type se.
TEH Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**11 13 13 10.8–.64**	**37.28N–.06**	**56.67E–.04**	**20**	**4.0b**	**58**	**1-71**
IDC	X	11 13 13 06.4–2.6	36.96N	56.53E	0	4.4s,3.8		**¶621236886**
NEIC	X	11 13 13 08.8–1.0	37.2N–.20	56.5E–.10	10–2	4.2b,3.8		
TEH	X	11 13 13 08.6	37.29N	56.68E	9	3.8L,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=48.1km s-min=19.5km az=168.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=13.7km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.

TEH	**X**	**23 15 33 10.9**	**34.01N**	**60.32E**	**9**	**3.6L**		
								¶625425002

TEH Event type se. Presumed earthquake.

TEH	**X**	**17 15 20 35.0**	**30.95N**	**56.51E**	**7**	**3.7L**		
								¶625424774

TEH Event type se. Presumed earthquake.

ISC	**X**	**18 20 42 02.8–.51**	**31.84N–.04**	**50.98E–.05**	**18**	**3.8b**	**124**	**0-45**
IDC	X	18 20 42 00.1–1.6	31.76N	50.90E	0	3.7b,3.7		**¶621244044**
TEH	X	18 20 42 00.6	31.84N	50.99E	5	3.5L,3.7		
DSN	X	18 20 42 02.1–1.8	31.97N	51.21E	16	3.7L,3.7		
OMAN	X	18 20 42 04.5–1.3	31.62N	51.01E	10	3.6b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=16.5km az=4.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=21.6km s-min=3.8km az=174.0.
OMAN Error ellipse: s-maj=15.9km s-min=8.6km az=34.0.

ISC	**X**	**16 11 46 02.2–.50**	**30.96N–.03**	**56.45E–.02**	**8–3**	**4.7b,4.4s**	**568**	**1-167**
TEH	X	16 11 45 59.1	30.95N	56.54E	6	5.0L,4.4s		**¶621204663**
IDC	X	16 11 46 00.5–.52	30.83N	56.44E	0	4.4,4.4s		
BJI	X	16 11 46 01.0	30.90N	56.50E	10	5.0s,5.0b		
THR	X	16 11 46 01.9–.00	30.99N	56.48E	12–494	5.2L,5.0b		
MOS	X	16 11 46 02.4–1.3	30.90N	56.49E	23	4.8b,4.2s		
NEIC	X	16 11 46 02.3–1.3	30.99N–.08	56.42E–.08	10–1	4.8b,4.2s		
OMAN	X	16 11 46 02.1–.03	31.01N	56.44E	10	5.0,4.8L		
GCMT	X	16 11 46 03.2–.20	30.86N–.01	56.46E–.01	15–1	5.0W,4.8L		
DSN	X	16 11 46 03.6–.54	30.88N	56.52E	10	5.2L,4.8L		
GFZ	X	16 11 46 04.2–.22	31N–4.0	56E–2.0	10	5.2b,5.0L		

ISC Event type se.
TEH Event type se. Presumed earthquake.
THR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110161146A. Moment Tensor Solution. s47,c54; s124,c208; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27±.11 $M_{\theta\theta}$-3.97±.10; $M_{\phi\phi}$4.24±.10; $M_{r\theta}$1.33±.34; $M_{\theta\phi}$0.90±.08; $M_{\phi r}$-0.33±.29; Best double couple: NP1:ϕ_s230.00000°,δ76.00000° ,λ-11.00000°. NP2:ϕ_s323.00000°,δ79.00000°,λ-166.00000°. Principal axes: T 4.3450,Plg2.0000°,Azm96.0000°; N 0.1580,Plg72.0000°,Azm358.0000° ; P -4.5030,Plg18.0000°,Azm187.0000° $M_0$4.42400×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

TEH	**X**	**20 22 16 34.7**	**30.90N**	**56.53E**	**6**	**3.6L**		
								¶625424876

TEH Event type se. Presumed earthquake.

TEH	**XI**	**17 16 50 23.6**	**30.39N**	**56.49E**	**8**	**3.7L**		
								¶625427624

TEH Event type se. Presumed earthquake.

TEH	**XI**	**01 21 25 08.9**	**34.09N**	**51.38E**	**8**	**3.8L**		
								¶625425753

TEH Event type se. Presumed earthquake.

TEH	**XI**	**09 19 31 52.9**	**30.53N**	**57.56E**	**6**	**4.2L**		
								¶625427066

TEH Event type se. Presumed earthquake.

ISC	**XI**	**09 23 11 20.7–.78**	**33.49N–.05**	**60.04E–.06**	**11**	**3.5b**	**47**	**0-35**
TEH	XI	09 23 11 17.7	33.50N	59.99E	8	4.0L		**¶621423172**
IDC	XI	09 23 11 17.6–6.7	33.26N	60.21E	0	3.7,3.7s		

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=128.8km s-min=27.9km az=170.0.

ISC	**XII**	**02 22 49 52.5–.87**	**31.68N–.06**	**50.95E–.07**	**10**	**3.4b**	**17**	**1-49**
TEH	XII	02 22 49 49.9	31.68N	50.93E	5	3.3L		**¶621629913**
IDC	XII	02 22 50 18.5–7.6	32.11N	50.32E	236–76	3.4,2.9b		

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=53.5km s-min=21.3km az=154.0.

TEH	**XI**	**28 17 52 00.4**	**30.50N**	**57.28E**	**9**	**3.6L**		
								¶625428054

TEH Event type se. Presumed earthquake.

ISC	**XII**	**01 23 58 12.1–1.2**	**30.81N–.04**	**51.6E–.10**	**10**		**15**	**0-7**
TEH	XII	01 23 58 09.5	30.80N	51.38E	5	3.3L		**¶624418929**
DSN	XII	01 23 58 12.9–.33	30.88N	51.60E	10	3.5L		

ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=8.8km s-min=1.1km az=8.0.

ISC	**XI**	**28 01 38 09.8–.61**	**33.33N–.03**	**58.82E–.03**	**17–3**	**4.8b,4.0s**	**638**	**0-123**
BGR	XI	28 01 38 04.0	32.59N	58.82E	10	4.7b,4.0s		**¶621480560**
IDC	XI	28 01 38 06.8–.55	33.26N	58.76E	0	4.5b,4.5		
THR	XI	28 01 38 07.8–.00	33.34N	58.80E	12–7	5.0L,4.5		
MOS	XI	28 01 38 07.4–1.1	33.34N	58.75E	11	5.0b,4.5		
GCMT	XI	28 01 38 07.0–.20	33.31N–.03	58.74E–.03	12–1	4.7W,4.5		
TEH	XI	28 01 38 07.2	33.32N	58.86E	12	4.8L,4.5		
NEIC	XI	28 01 38 08.8–1.5	33.40N–.02	58.81E–.08	10–1	4.7b,4.5		
OMAN	XI	28 01 38 12.0–.09	33.07N	58.51E	5–0	4.1b,3.4s		
GFZ	XI	28 01 38 11.5–.23	33N–4.0	59E–2.0	10	5.0b,4.7		

ISC Event type ke.
BGR Event type ke.
THR Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111280138A. Moment Tensor Solution. s25,c28; s73,c102; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.24±.09 $M_{\theta\theta}$-0.82±.06; $M_{\phi\phi}$-0.42±.05; $M_{r\theta}$-0.12±.17; $M_{\theta\phi}$0.77±.04; $M_{\phi r}$0.46±.17; Best double couple: NP1:ϕ_s114.00000°,δ39.00000° ,λ69.00000°. NP2:ϕ_s321.00000°,δ54.00000°,λ106.00000°. Principal axes: T 1.3600,Plg75.0000°,Azm278.0000°; N 0.1060,Plg13.0000°,Azm131.0000° ; P -1.4710,Plg8.0000°,Azm39.0000° $M_0$1.41500×10^{16}
TEH Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**11 18 56 07.0–.26**	**30.66N–.03**	**56.82E–.03**	**11**	**4.7b,3.8s**	**589**	**1-97**
OMAN	XII	11 18 56 05.5–.08	31.08N	56.61E	10	4.3L,4.3b		**¶621627525**
BJI	XII	11 18 56 06.4	30.49N	56.99E	9	5.2b,4.6b		
NEIC	XII	11 18 56 06.8–1.4	30.80N–.07	56.86E–.08	10–1	4.8b,4.6b		
TEH	XII	11 18 56 06.2	30.82N	56.77E	6	4.6L,4.6b		
THR	XII	11 18 56 06.5–.00	30.68N	56.85E	19–3	4.9L,4.6b		
MOS	XII	11 18 56 06.8–2.0	30.58N	56.95E	20	4.9b,4.0s		
GCMT	XII	11 18 56 09.2–.40	30.69N–.02	56.73E–.04	21–1	4.8W,4.0s		
GFZ	XII	11 18 56 11.4–.17	31N–3.0	57E–2.0	34	6.6,6.5		
IDC	XII	11 18 56 14.1–3.7	30.73N	56.74E	64–34	4.3,4.0b		
DSN	XII	11 18 56 17.0–1.3	30.34N	56.08E	15	4.8L,4.0b		

ISC Event type se.
OMAN Error ellipse: s-maj=1.6km s-min=1.4km az=22.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=11.4km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
THR Event type se. Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=5.1km s-min=4.1km az=102.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112111856A. Moment Tensor Solution. s17,c19; s81,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.11±.14 $M_{\theta\theta}$-1.81±.09; $M_{\phi\phi}$-0.30±.08; $M_{r\theta}$-0.04±.14; $M_{\theta\phi}$-0.45±.06; $M_{\phi r}$-0.13±.17; Best double couple: NP1:ϕ_s78.00000°,δ44.00000° ,λ94.00000°. NP2:ϕ_s252.00000°,δ46.00000°,λ86.00000°. Principal axes: T 2.1170,Plg87.0000°,Azm95.0000°; N -0.1870,Plg3.0000°,Azm255.0000° ; P -1.9340,Plg1.0000°,Azm345.0000° $M_0$2.02500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=15.0km s-min=10.1km az=161.0.
DSN Error ellipse: s-maj=17.7km s-min=9.6km az=57.0.

TEH	**XII**	**08 13 15 34.3**	**32.39N**	**56.21E**	**8**	**3.6L**		
								¶625428363

TEH Event type se. Presumed earthquake.

ISC	**XII**	**12 09 46 37.1–.50**	**30.79N–.04**	**56.73E–.04**	**10**	**3.9b**	**59**	**1-92**
IDC	XII	12 09 46 34.9–1.0	30.63N	56.65E	0	3.9b,3.8		**¶621650493**
TEH	XII	12 09 46 34.4	30.79N	56.75E	8	4.3L,3.8		
DSN	XII	12 09 46 42.4–2.0	30.62N	56.13E	15	4.0L,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=15.9km az=176.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=25.0km s-min=21.0km az=72.0.

ISC	**XII**	**13 16 19 30.4–.79**	**31.09N–.04**	**50.24E–.05**	**10**		**76**	**1-14**
TEH	XII	13 16 19 31.1	31.17N	50.15E	11	3.4L		**¶621743654**
OMAN	XII	13 16 19 35.0–1.5	30.87N	50.64E	10	3.8b		
DSN	XII	13 16 19 35.2–1.2	30.72N	50.23E	10	4.0L		

ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=12.6km s-min=11.3km az=44.0.
DSN Error ellipse: s-maj=14.2km s-min=7.7km az=5.0.

TEH	**XII**	**28 05 49 50.4**	**33.87N**	**53.21E**	**9**	**3.8L**		
								¶625429027

TEH Event type se. Presumed earthquake.

ISC	**XII**	**23 17 58 46.2–.70**	**35.69N–.03**	**58.29E–.03**	**10**	**3.3b**	**40**	**1-40**
TEH	XII	23 17 58 45.2	35.70N	58.30E	8	3.5L		**¶621686839**
IDC	XII	23 17 58 45.1–3.5	35.62N	58.14E	0	3.4,3.2b		

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=56.5km s-min=37.1km az=94.0.

ISC	**XII**	**23 15 47 53.3–.69**	**35.74N–.04**	**58.30E–.04**	**10**	**3.7b,3.3s**	**30**	**1-94**
TEH	XII	23 15 47 51.9	35.71N	58.30E	9	3.9L,3.3s		**¶621686832**
IDC	XII	23 15 47 56.0–1.6	35.71N	58.67E	0	3.8,3.7b		

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=26.4km s-min=16.5km az=8.0.

ISC	**XII**	**23 15 55 30.4–.78**	**35.74N–.03**	**58.25E–.04**	**18**	**3.4b**	**29**	**1-42**
TEH	XII	23 15 55 27.3	35.69N	58.30E	7	3.7L		**¶621686834**
IDC	XII	23 15 55 27.9–3.8	35.57N	58.23E	0	3.7,3.5L		

ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=61.1km s-min=28.1km az=61.0.

ISC	**XII**	**28 19 53 16.9–.55**	**30.34N–.05**	**50.22E–.06**	**25**	**3.4b**	**81**	**1-63**
IDC	XII	28 19 53 13.7–2.9	30.44N	50.19E	0	3.5b,3.5		**¶621717413**
TEH	XII	28 19 53 14.4	30.40N	50.32E	12	3.5L,3.5		
OMAN	XII	28 19 53 17.6–.09	30.14N	50.35E	10	3.6b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=64.7km s-min=18.8km az=180.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.7km s-min=1.0km az=326.0.

ISC	**XII**	**30 18 24 18.3–.73**	**30.80N–.03**	**56.74E–.03**	**10**	**3.6b**	**33**	**0-67**
IDC	XII	30 18 24 15.1–17	30.44N	56.72E	0	3.6b,3.6		**¶621726022**
TEH	XII	30 18 24 17.4	30.81N	56.71E	8	3.6L,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=322.1km s-min=49.9km az=4.0.
TEH Event type se. Presumed earthquake.

TEH	**XII**	**30 19 21 03.5**	**34.23N**	**51.70E**	**8**	**3.6L**		
								¶625429086

TEH Event type se. Presumed earthquake.

TEH	**XII**	**29 07 24 23.4**	**30.43N**	**57.60E**	**9**	**3.6L**		
								¶625429066

TEH Event type se. Presumed earthquake.

TEH	**XII**	**30 08 46 16.1**	**30.73N**	**57.43E**	**14**	**3.6L**		
								¶625429085

TEH Event type se. Presumed earthquake.

ISC	**XII**	**30 09 37 20.6–.83**	**37.73N–.06**	**56.91E–.03**	**10**		**28**	**1-13**
TEH	XII	30 09 37 21.0	37.62N	56.90E	8	3.5L		**¶624930362**

ISC Event type se.
TEH Event type se. Presumed earthquake.

(349) Northwestern Afghanistan.

ISC	**VIII**	**17 15 39 31.7–.77**	**35.26N–.09**	**64.51E–.09**	**35**	**3.9b,3.4s**	**37**	**4-93**
IDC	VIII	17 15 39 26.9–1.1	35.17N	64.51E	0	3.8,3.7b		**¶621030281**
NEIC	VIII	17 15 39 29.3–1.5	35.21N–.08	64.6E–.10	15–4	4.3b,3.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**28 03 57 35.4–.47**	**35.33N–.05**	**64.18E–.05**	**10**	**3.9b,3.1s**	**85**	**4-92**
IDC	VIII	28 03 57 32.2–.72	35.08N	64.21E	0	3.9b,3.9		**¶621009750**
NEIC	VIII	28 03 57 36.1–1.5	35.41N–.08	64.11E–.09	10–1	4.1b,3.9		
NNC	VIII	28 03 57 38.3–3.7	35.80N	63.83E	0	4.2b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=13.0km az=2.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=12.8km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=31.8km s-min=19.0km az=11.0.

ISC	**VIII**	**23 13 28 54.2–.39**	**34.56N–.03**	**61.75E–.04**	**10**	**4.2b,3.1s**	**150**	**1-91**
IDC	VIII	23 13 28 52.4–.73	34.35N	61.79E	0	4.0b,4.0		**¶621000838**
MOS	VIII	23 13 28 53.5–1.6	34.45N	61.91E	12	4.3b,4.0		
NEIC	VIII	23 13 28 54.4–1.3	34.5N–.10	61.71E–.07	10–4	4.5b,4.0		
TEH	VIII	23 13 28 54.0	34.50N	61.73E	8	4.2L,4.0		
NNC	VIII	23 13 29 02.5–4.0	35.06N	61.90E	33–41	4.2b,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=13.1km az=7.0.
MOS Error ellipse: s-maj=7.4km s-min=6.0km az=109.8.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=7.7km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
NNC Event type se. Error ellipse: s-maj=24.0km s-min=18.5km az=18.0.

(351) Eastern Arabian Peninsula.

ISC	**VIII**	**02 08 31 37.7–.37**	**29.02N–.03**	**47.50E–.03**	**13**	**4.2b,3.7s**	**277**	**1-119**
IDC	VIII	02 08 31 35.5–1.1	28.90N	47.41E	0	4.1b,4.1		**¶620929659**
MOS	VIII	02 08 31 35.6–1.1	28.94N	47.45E	11	4.6b,4.1		
ISN	VIII	02 08 31 35.5–.49	29.08N	47.45E	10–525	4.4L,4.1		
THR	VIII	02 08 31 36.6–.00	29.00N	47.43E	12–6	4.6L,4.1		
DSN	VIII	02 08 31 36.7–1.6	29.38N	47.55E	17–3	4.5L,4.1		
TEH	VIII	02 08 31 36.8	29.01N	47.49E	10	4.5L,4.1		
NEIC	VIII	02 08 31 37.4–1.3	29.04N–.03	47.53E–.09	10–1	4.3b,4.1		
SGS	VIII	02 08 31 38.4	29.11N	47.62E	12	4.6L,4.1		
OMAN	VIII	02 08 31 39.1–1.2	28.95N	47.60E	10	4.4b,4.1		
NAO	VIII	02 08 32 09.6	32.78N	47.26E	33	3.7b,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=10.0km az=0.0.
MOS Error ellipse: s-maj=8.9km s-min=5.6km az=101.3.
ISN Event type se. Error ellipse: s-maj=515.8km s-min=311.8km az=-1.0. Presumed earthquake.
THR Event type se. Error ellipse: s-maj=3.5km s-min=3.5km az=-1.0. Presumed earthquake.
DSN Error ellipse: s-maj=13.4km s-min=9.9km az=114.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=5.2km az=266.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=11.2km s-min=9.2km az=174.0.
NAO Event type se. Presumed earthquake.

ISC	**VIII**	**28 05 00 26.4–3.2**	**16.1N–.10**	**49.0E–.10**	**35**		**46**	**5-12**
OMAN	VIII	28 05 00 26.1–1.1	16.25N	49.11E	10	4.7L,4.2b		**¶621742294**
DSN	VIII	28 05 00 33.2–1.2	16.74N	49.21E	30	4.7L,4.2b		

ISC Event type se.
OMAN Error ellipse: s-maj=8.5km s-min=7.6km az=35.0.
DSN Error ellipse: s-maj=15.4km s-min=6.7km az=165.0.

OMAN	**XI**	**29 03 50 47.3–.13**	**24.02N**	**49.49E**	**18–1**	**3.9L,3.1b**		
								¶621743441

OMAN Error ellipse: s-maj=0.9km s-min=0.7km az=342.0.

OMAN	**X**	**02 04 31 30.4–.12**	**23.87N**	**49.51E**	**10–1**	**3.6L**		
								¶621742621

OMAN Error ellipse: s-maj=1.2km s-min=0.8km az=4.0.

OMAN	**X**	**25 05 48 21.8–1.8**	**16.38N**	**49.25E**	**10**	**4.1L**		
								¶621742903

OMAN Error ellipse: s-maj=18.3km s-min=6.8km az=17.0.

OMAN	**XII**	**26 02 47 23.4–1.2**	**15.28N**	**52.14E**	**11**	**3.5L**		
								¶621743776

OMAN Error ellipse: s-maj=12.8km s-min=8.7km az=112.0.

(352) Persian Gulf.

ISC	**XI**	**28 23 05 13.0–.87**	**26.58N–.04**	**52.74E–.04**	**10**		**56**	**1-9**
TEH	XI	28 23 05 10.5	26.51N	52.82E	6	2.9L		**¶621743419**
OMAN	XI	28 23 05 14.1–.49	26.55N	52.75E	10	3.1L,2.8b		

ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=5.1km s-min=2.7km az=169.0.

ISC	**IX**	**14 04 48 02.9–.57**	**29.07N–.05**	**49.69E–.05**	**10**	**3.9b**	**69**	**1-86**
IDC	IX	14 04 48 00.1–4.9	28.94N	49.67E	0	4.0b,3.9		**¶621110817**
TEH	IX	14 04 48 01.7	29.02N	49.78E	9	3.8L,3.9		
NEIC	IX	14 04 48 02.3–.85	28.91N–.07	49.6E–.10	10–1	4.0b,3.9		

ISC Event type se.
TEH Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(353) Southern Iran.

ISC	**VII**	**05 07 37 13.2–.57**	**28.18N–.04**	**57.56E–.04**	**10**	**3.8b**	**102**	**0-67**
IDC	VII	05 07 37 01.0–8.2	26.94N	57.90E	0	3.8b,3.8		**¶620927937**
TEH	VII	05 07 37 13.7	28.23N	57.51E	8	3.9L,3.8		
NEIC	VII	05 07 37 14.6–1.2	28.18N–.09	56.78E–.10	10–2	4.1b,3.8		
OMAN	VII	05 07 37 15.2–.07	27.99N	57.66E	10	3.9b,3.8L		

DSN	VII	05 07 37 16.2–2.4	27.75N	57.93E	10	3.7L,3.8L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=153.5km s-min=42.2km az=166.0.							
TEH	Event type se. Presumed earthquake.							
NEIC	Event type se. Error ellipse: s-maj=19.6km s-min=6.8km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
OMAN	Error ellipse: s-maj=1.4km s-min=0.9km az=11.0.							
DSN	Error ellipse: s-maj=45.6km s-min=16.4km az=148.0.							
ISC	**VII**	**05 09 32 37.6–.37**	**28.07N–.04**	**57.51E–.03**	**30**	**4.3b,3.5s**	**191**	**0-120**
NEIC	VII	05 09 32 35.0–2.0	28.05N–.08	57.55E–.10	10–1	4.4b,3.5s		**¶620733910**
GFZ	VII	05 09 32 36.1–.36	28N–5.0	57E–4.0	10	4.4b,4.4		
DSN	VII	05 09 32 36.9–1.4	28.18N	57.64E	30	4.5L,4.4		
OMAN	VII	05 09 32 37.9–1.1	27.92N	57.43E	10	4.5L,4.4b		
TEH	VII	05 09 32 37.5	28.16N	57.49E	16	4.3L,4.4b		
IDC	VII	05 09 32 41.5–4.1	28.15N	57.48E	62–35	4.2,3.9b		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=15.3km s-min=11.6km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	Error ellipse: s-maj=12.1km s-min=7.2km az=156.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
DSN	Error ellipse: s-maj=22.9km s-min=13.2km az=129.0.							
OMAN	Error ellipse: s-maj=10.2km s-min=9.0km az=55.0.							
TEH	Event type se. Presumed earthquake.							
IDC	Error ellipse: s-maj=19.0km s-min=10.9km az=177.0.							
ISC	**VII**	**06 11 44 34.5–.28**	**27.70N–.03**	**53.22E–.03**	**20**	**4.7b,3.5s**	**667**	**0-119**
MOS	VII	06 11 44 31.0–1.3	27.57N	53.21E	15	4.9b,3.5s		**¶620752028**
DSN	VII	06 11 44 32.3–.97	27.84N	53.13E	10	4.5L,3.5s		
BJI	VII	06 11 44 32.0	27.89N	53.19E	6	4.9b,4.8b		
THR	VII	06 11 44 32.4–.00	27.76N	53.09E	20–2	4.6L,4.8b		
GFZ	VII	06 11 44 33.8–.24	28N–4.0	53E–2.0	10	4.8b,4.6		
TEH	VII	06 11 44 33.4	27.73N	53.22E	20	4.7L,4.6		
NEIC	VII	06 11 44 33.1–.63	27.81N–.07	53.22E–.06	10–1	4.7b,4.6		
GII	VII	06 11 44 34.6–.00	27.63N	53.29E	0	5.4,4.6		
IDC	VII	06 11 44 34.7–2.9	27.63N	53.22E	29–19	4.5,4.4L		
OMAN	VII	06 11 44 35.3–.09	27.61N	53.25E	10	4.8L,4.3b		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=5.4km s-min=3.8km az=95.9.							
DSN	Error ellipse: s-maj=12.5km s-min=4.2km az=177.0.							
THR	Event type se. Error ellipse: s-maj=1.3km s-min=1.3km az=-1.0. Presumed earthquake.							
GFZ	Error ellipse: s-maj=8.6km s-min=5.1km az=7.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
TEH	Event type se. Presumed earthquake.							
NEIC	Event type se. Error ellipse: s-maj=12.2km s-min=9.1km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GII	Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.							
IDC	Error ellipse: s-maj=15.0km s-min=10.5km az=177.0.							
OMAN	Error ellipse: s-maj=1.9km s-min=0.8km az=10.0.							
ISC	**VII**	**06 12 44 05.8–.31**	**26.80N–.04**	**59.52E–.03**	**10**	**4.8b,3.7s**	**517**	**2-122**
GFZ	VII	06 12 44 04.8–.37	27N–5.0	60E–3.0	10	4.8b,4.7		**¶620754150**
MOS	VII	06 12 44 04.8–1.3	26.93N	59.52E	9	4.8b,4.7		
TEH	VII	06 12 44 05.2	26.77N	59.58E	12	4.7L,4.7		
IDC	VII	06 12 44 05.5–.58	26.98N	59.61E	0	4.5L,4.5		
NEIC	VII	06 12 44 05.9–1.3	26.90N–.08	59.40E–.09	10–1	4.9b,4.5		
BJI	VII	06 12 44 05.4	27.03N	59.54E	10	5.0b,4.8b		
THR	VII	06 12 44 06.2–.00	26.80N	59.52E	12–485	4.7L,4.8b		
OMAN	VII	06 12 44 06.9–.06	26.68N	59.52E	10	4.4L,4.3b		
DSN	VII	06 12 44 09.9–1.6	26.54N	59.37E	15	4.1L,4.3b		
ISC	Event type se.							
GFZ	Error ellipse: s-maj=12.3km s-min=5.6km az=155.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
MOS	Error ellipse: s-maj=6.6km s-min=3.9km az=78.4.							
TEH	Event type se. Presumed earthquake.							
IDC	Error ellipse: s-maj=15.0km s-min=10.8km az=178.0.							
NEIC	Event type se. Error ellipse: s-maj=15.4km s-min=10.5km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
THR	Event type se. Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0. Presumed earthquake.							
OMAN	Error ellipse: s-maj=1.2km s-min=0.8km az=23.0.							
DSN	Error ellipse: s-maj=22.0km s-min=15.3km az=140.0.							
ISC	**VII**	**09 07 13 03.8–.57**	**29.77N–.04**	**50.53E–.04**	**10**	**3.6b**	**60**	**1-85**
IDC	VII	09 07 12 59.0–3.6	29.23N	50.31E	0	3.7b,3.7		**¶620928236**
TEH	VII	09 07 13 04.2	29.79N	50.57E	8	3.6L,3.7		
OMAN	VII	09 07 13 07.4–.11	29.82N	51.40E	57–7	3.5b,3.4L		
NAO	VII	09 07 13 27.8	31.85N	48.97E	33	3.6b,3.4L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=71.7km s-min=17.6km az=179.0.							
TEH	Event type se. Presumed earthquake.							
OMAN	Error ellipse: s-maj=2.3km s-min=1.4km az=317.0.							
ISC	**VII**	**10 09 50 38.7–1.4**	**27.81N–.06**	**55.46E–.07**	**10**		**42**	**1-11**
OMAN	VII	10 09 50 14.6–.12	29.44N	54.92E	10	3.5L		**¶621741872**
DSN	VII	10 09 50 16.4–2.2	29.34N	55.14E	10	2.9L		
TEH	VII	10 09 50 37.6	27.73N	55.40E	18	2.9L		
ISC	Event type se.							
OMAN	Error ellipse: s-maj=2.2km s-min=1.1km az=1.0.							
DSN	Error ellipse: s-maj=26.3km s-min=23.2km az=89.0.							
TEH	Event type se. Presumed earthquake.							
ISC	**VII**	**10 09 56 24.5–1.2**	**27.73N–.05**	**55.56E–.05**	**15**		**15**	**1-5**
DSN	VII	10 09 56 22.9–1.5	27.93N	56.55E	10	2.8L		**¶624417668**
TEH	VII	10 09 56 25.9	27.71N	55.50E	20	3.2L		
ISC	Event type se.							
DSN	Error ellipse: s-maj=83.5km s-min=10.7km az=104.0.							
TEH	Event type se. Presumed earthquake.							
ISC	**VII**	**10 09 59 55.8–3.4**	**27.65N–.06**	**55.43E–.04**	**11–27**		**54**	**1-10**
DSN	VII	10 09 59 53.6–.93	27.86N	55.50E	10	3.3L		**¶621741873**
TEH	VII	10 09 59 55.6	27.60N	55.38E	21	3.4L		
OMAN	VII	10 09 59 57.6–.12	27.69N	55.45E	34–2	3.4L		
ISC	Event type se.							
DSN	Error ellipse: s-maj=19.6km s-min=8.6km az=69.0.							
TEH	Event type se. Presumed earthquake.							
OMAN	Error ellipse: s-maj=3.0km s-min=1.1km az=7.0.							
ISC	**VII**	**12 17 45 32.2–1.2**	**27.09N–.04**	**55.14E–.09**	**17**		**14**	**1-4**
TEH	VII	12 17 45 27.2	26.85N	55.09E	11	2.8L		**¶624417692**
DSN	VII	12 17 45 30.3–1.0	27.29N	55.19E	10	2.8L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
DSN	Error ellipse: s-maj=13.6km s-min=5.7km az=30.0.							
ISC	**VII**	**13 00 01 24.6–1.3**	**29.71N–.07**	**50.74E–.05**	**10**		**66**	**1-13**
TEH	VII	13 00 01 22.0	29.81N	50.65E	12	2.7L		**¶621741908**
OMAN	VII	13 00 01 26.7–.07	29.61N	50.90E	10	3.5b,3.2L		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
OMAN	Error ellipse: s-maj=1.3km s-min=1.1km az=355.0.							
ISC	**VII**	**13 11 11 51.6–.56**	**29.85N–.03**	**50.88E–.03**	**9–3**	**5.0b,4.1s**	**955**	**1-132**
BJI	VII	13 11 11 49.5	29.80N	50.90E	6	5.1b,4.9b		**¶620805836**
MOS	VII	13 11 11 49.9–.94	29.79N	50.87E	10	5.0b,4.0s		
IDC	VII	13 11 11 49.9–.44	29.81N	50.88E	0	4.7b,4.7		
TEH	VII	13 11 11 50.5	29.76N	50.78E	8	4.9L,4.7		
OMAN	VII	13 11 11 52.1–.40	29.83N	50.94E	10	4.7L,4.6b		
GII	VII	13 11 11 52.3–.00	29.84N–.05	51.16E–.02	0–0	5.0,4.6b		
NEIC	VII	13 11 11 52.2–.83	29.87N–.07	50.87E–.07	10–1	5.0b,4.6b		
GFZ	VII	13 11 11 53.4–.26	30N–3.0	51E–3.0	10	5.0b,4.9		
GCMT	VII	13 11 11 54.2–.30	29.77N–.02	50.90E–.03	14–1	4.9W,4.9		
DSN	VII	13 11 11 55.1–1.0	29.70N	51.06E	10	5.3L,4.9		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=4.5km s-min=2.8km az=111.5.							
IDC	Error ellipse: s-maj=12.1km s-min=8.5km az=4.0.							
TEH	Event type se. Presumed earthquake.							
OMAN	Error ellipse: s-maj=6.0km s-min=3.8km az=79.0.							
GII	Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.							
NEIC	Event type se. Error ellipse: s-maj=11.2km s-min=9.6km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107131111A. Moment Tensor Solution. s26,c32; s81,c113; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.39±.15 $M_{\theta\theta}$-1.86±.10; $M_{\phi\phi}$-0.53±.09; $M_{r\theta}$0.56±.20; $M_{\theta\phi}$0.87±.06; $M_{\phi r}$0.68±.25; Best double couple: NP1:ϕ_s312.00000°,δ45.00000° ,λ115.00000°. NP2:ϕ_s100.00000°,δ50.00000°,λ67.00000°. Principal axes: T 2.6630,Plg73.0000°,Azm304.0000°; N -0.3630,Plg17.0000°,Azm114.0000° ; P -2.3000,Plg3.0000°,Azm205.0000° M_o2.48200×10^{16}							
DSN	Error ellipse: s-maj=17.3km s-min=6.0km az=26.0.							
ISC	**VII**	**18 14 34 20.2–.44**	**29.66N–.03**	**51.16E–.02**	**19–1**	**5.5b,5.0s**	**1759**	**0-171**
MOS	VII	18 14 34 17.2–.93	29.63N	51.16E	11	5.7b,5.0s		**¶620833378**
TEH	VII	18 14 34 17.4	29.64N	51.07E	8	5.6L,5.0s		
GFZ	VII	18 14 34 19.7	29.70N	51.15E	10	5.3W,5.0s		
NEIC	VII	18 14 34 19.4	29.70N	51.13E	10	5.3W,5.0s		
NEIC	VII	18 14 34 19.3	29.70N	51.13E	9	5.3W,5.0s		
NEIC	VII	18 14 34 19.3–1.1	29.71N–.06	51.13E–.07	9–1	5.5b,5.3		
THR	VII	18 14 34 19.3–.00	29.73N	51.15E	10–402	5.7L,5.3		
GFZ	VII	18 14 34 20.5–.25	30N–3.0	51E–3.0	10	5.5b,5.4		
IDC	VII	18 14 34 20.0–1.3	29.68N	51.16E	18–7	5.0b,5.0		
OMAN	VII	18 14 34 21.2–.36	29.61N	51.24E	10	5.5,5.3L		
GCMT	VII	18 14 34 21.6–.10	29.58N–.01	51.09E–.01	17–0	5.5W,5.3L		
DSN	VII	18 14 34 23.0–1.3	29.48N	51.32E	10	5.9L,5.3L		
NEIC	VII	18 14 34 24.7	29.70N	51.13E	12	5.4,5.3L		
BGR	VII	18 14 34 43.5	30.42N	48.00E	33	5.8,5.6b		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=4.0km s-min=2.5km az=118.7.							
TEH	Event type se. Presumed earthquake.							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.21 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$-0.28 $M_{r\theta}$0.32 $M_{\theta\phi}$0.61 $M_{\phi r}$-0.27 NP1: ϕ_s123.97220°,δ54.18047°,λ93.71185°. NP2:ϕ_s297.64664°,δ35.98573°,λ84.87441°. Principal axes: T 1.2842,Plg80.3972°,Azm49.8994°; N 0.0815,Plg3.0091°,Azm301.7979° ; P -1.3657,Plg9.1107°,Azm211.3149° M_o1.32682×10^{17}							
NEIC	Event type se.							
NEIC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=10.9km s-min=9.2km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.23 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$-0.29 $M_{r\theta}$-0.21 $M_{\theta\phi}$0.21 $M_{\phi r}$-0.21 NP1:ϕ_s276.39000°,δ49.41000°,λ76.98000°. NP2:ϕ_s115.95000°,δ42.28000° ,λ104.73000°. Principal axes: T 1.2805,Plg79.0000°,Azm126.0000°; N -0.2714,Plg10.0000° ,Azm285.0000°; P -1.0092,Plg4.0000°,Azm16.0000° M_o1.17000×10^{17}							
THR	Event type se. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. Presumed earthquake.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
IDC	Error ellipse: s-maj=8.4km s-min=7.2km az=9.0.							
OMAN	Error ellipse: s-maj=6.7km s-min=3.9km az=81.0.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107181434A. Moment Tensor Solution. s130,c233; s138,c286;Duration: 1≦4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.69±.02 $M_{\theta\theta}$-1.46±.02; $M_{\phi\phi}$-0.22±.02; $M_{r\theta}$0.79±.05; $M_{\theta\phi}$1.13±.02; $M_{\phi r}$-0.61±.05; Best double couple: NP1: ϕ_s295.00000°,δ31.00000°,λ82.00000°. NP2:ϕ_s125.00000°,δ59.00000°,λ95.00000°. Principal axes: T 1.9430,Plg76.0000°,Azm49.0000°; N 0.4350,Plg4.0000°,Azm302.0000° ; P -2.3750,Plg14.0000°,Azm211.0000° M_o2.15900×10^{17}							
DSN	Error ellipse: s-maj=22.6km s-min=6.9km az=21.0.							
NEIC	Event type se. Moment Tensor Solution.Duration: 2≦9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.34 $M_{\theta\theta}$-1.05 $M_{\phi\phi}$-0.29 $M_{r\theta}$-1.13 $M_{\theta\phi}$0.77 $M_{\phi r}$0.29 NP1:ϕ_s135.05000°,δ27.26000° ,λ112.44000°. NP2:ϕ_s290.13000°,δ64.95000°,λ78.87000°. Principal axes: T 1.7875,Plg68.0000°,Azm179.0000°; N 0.1275,Plg10.0000°,Azm295.0000° ; P -1.9150,Plg19.0000°,Azm28.0000° M_o1.85000×10^{17}							
BGR	Event type ke.							
ISC	**VII**	**18 14 50 34.2–1.1**	**29.6N–.10**	**50.96E–.07**	**24**	**3.6b**	**23**	**1-48**
TEH	VII	18 14 50 33.2	29.70N	51.07E	9	3.5L		**¶620928821**
IDC	VII	18 14 50 35.3–2.3	30.16N	50.51E	0	3.7b,3.6		
ISC	Event type se.							
TEH	Event type se. Presumed earthquake.							
IDC	Error ellipse: s-maj=50.6km s-min=20.7km az=158.0.							
ISC	**VII**	**18 14 54 28.9–.45**	**29.60N–.06**	**51.04E–.05**	**10**	**4.3b**	**170**	**1-91**
DSN	VII	18 14 54 16.6–1.8	30.61N	51.84E	10	4.1L		**¶620833380**
MOS	VII	18 14 54 27.6–1.4	29.69N	51.09E	9	4.3b		
IDC	VII	18 14 54 28.1–1.1	29.80N	50.98E	0	4.0b,4.0		
GFZ	VII	18 14 54 29.2–.31	30N–5.0	51E–3.0	10	4.2b,4.2		
TEH	VII	18 14 54 29.0	29.70N	51.01E	7	3.8L,4.2		
NEIC	VII	18 14 54 30.3–1.1	29.73N–.09	51.2E–.10	10–1	4.3b,4.2		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
TEH	Event type se. Presumed earthquake.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**18 15 08 42.1–.35**	**29.66N–.04**	**51.10E–.04**	**10**	**4.3b**	**228**	**0-120**
IDC	VII	18 15 08 39.5–.66	29.55N	51.10E	0	4.0b,4.0		**¶620833383**
MOS	VII	18 15 08 40.5–.98	29.60N	51.02E	13	4.4b,4.0		
TEH	VII	18 15 08 40.4	29.67N	51.05E	6	4.0L,4.0		
DSN	VII	18 15 08 42.4–.70	29.81N	51.24E	10	4.3L,4.0		
GFZ	VII	18 15 08 42.3–.29	30N–5.0	51E–3.0	10	4.2b,4.2		
NEIC	VII	18 15 08 42.7–1.5	29.66N–.07	51.08E–.06	10–1	4.4b,4.2		
OMAN	VII	18 15 08 45.7–1.1	29.54N	51.37E	10	3.8b,3.8L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=16.8km s-min=11.8km az=173.0.							
MOS	Error ellipse: s-maj=7.9km s-min=6.8km az=111.1.							
TEH	Event type se. Presumed earthquake.							
DSN	Error ellipse: s-maj=11.0km s-min=2.5km az=11.0.							
GFZ	Error ellipse: s-maj=10.0km s-min=6.0km az=9.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC	Event type se. Error ellipse: s-maj=14.0km s-min=4.7km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
OMAN	Error ellipse: s-maj=11.1km s-min=5.6km az=135.0.							
ISC	**VII**	**18 15 20 02.4–.68**	**29.69N–.05**	**51.13E–.07**	**24**	**3.4b**	**41**	**0-48**
IDC	VII	18 15 19 59.3–2.2	29.87N	51.07E	0	3.7b,3.7		**¶620928824**
TEH	VII	18 15 20 00.1	29.71N	51.09E	11	3.4L,3.7		
OMAN	VII	18 15 20 06.0–1.9	29.44N	51.53E	10	3.4L,3.7		
ISC	Event type se.							
IDC	Error ellipse: s-maj=50.3km s-min=23.4km az=153.0.							
TEH	Event type se. Presumed earthquake.							
OMAN	Error ellipse: s-maj=21.9km s-min=10.2km az=119.0.							
ISC	**VII**	**18 15 26 59.7–.39**	**29.69N–.04**	**51.13E–.04**	**10**	**4.3b**	**189**	**0-120**
IDC	VII	18 15 26 57.6–.92	29.67N	51.02E	0	4.0b,4.0		**¶620928826**
MOS	VII	18 15 26 58.0–1.3	29.63N	51.01E	13	4.4b,4.0		
TEH	VII	18 15 26 58.9	29.68N	51.11E	9	3.9L,4.0		
NEIC	VII	18 15 26 60.0–1.7	29.70N–.08	51.15E–.10	10–1	4.4b,4.0		
OMAN	VII	18 15 27 02.0–2.8	29.62N	51.36E	10	3.6b,4.0		
DSN	VII	18 15 27 03.0–1.1	29.49N	51.25E	10	4.3L,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=21.2km s-min=13.8km az=1.0.							
MOS	Error ellipse: s-maj=9.6km s-min=5.6km az=97.7.							
TEH	Event type se. Presumed earthquake.							
NEIC	Event type se. Error ellipse: s-maj=15.6km s-min=12.8km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
OMAN	Error ellipse: s-maj=30.8km s-min=9.5km az=135.0.							

DSN Error ellipse: s-maj=18.2km s-min=5.0km az=16.0.
TEH VII 18 16 36 42.3 29.76N 51.21E 10 2.6L ¶625421909
TEH Event type se. Presumed earthquake.
ISC VII 18 17 32 32.9–.33 29.63N–.04 51.14E–.04 10 4.3b,3.3s 253 0-119
IDC VII 18 17 32 30.4–.83 29.52N 51.15E 0 4.0b,3.9 **¶620833393**
MOS VII 18 17 32 31.1–1.0 29.64N 51.10E 10 4.3b,3.9
TEH VII 18 17 32 32.6 29.60N 51.07E 16 4.0L,3.9
NEIC VII 18 17 32 33.7–.98 29.72N–.04 51.17E–.09 10–1 4.4b,3.9
OMAN VII 18 17 32 38.4–.08 29.52N 51.49E 10 3.7b,3.5L
DSN VII 18 17 32 43.1–.93 29.26N 51.77E 10 4.0L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=11.8km az=175.0.
MOS Error ellipse: s-maj=7.6km s-min=5.4km az=96.7.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.3km az=285.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=1.3km s-min=1.2km az=345.0.
DSN Error ellipse: s-maj=10.3km s-min=7.6km az=178.0.
ISC VII 18 19 29 26.2–1.1 26.92N–.04 54.89E–.06 17 47 1-7
TEH VII 18 19 29 24.5 26.92N 54.87E 19 2.9L **¶621741961**
DSN VII 18 19 29 25.9–1.0 27.03N 54.96E 10 3.0L
OMAN VII 18 19 29 36.4–.11 26.34N 55.33E 10 2.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=11.5km s-min=7.5km az=17.0.
OMAN Error ellipse: s-maj=2.1km s-min=1.2km az=338.0.
ISC VII 18 20 43 43.3–.56 29.74N–.05 51.22E–.05 10 3.9b 96 0-87
IDC VII 18 20 43 38.5–9.3 29.23N 51.15E 0 3.8b,3.8 **¶620928843**
TEH VII 18 20 43 41.9 29.67N 51.08E 9 3.6L,3.8
NEIC VII 18 20 43 42.7–1.5 29.64N–.08 51.20E–.07 10–1 4.2b,3.8
OMAN VII 18 20 43 47.3–.13 29.54N 51.43E 10 3.4b,3.3L
DSN VII 18 20 43 49.8–.84 29.39N 51.56E 10 3.9L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=184.9km s-min=28.0km az=1.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.4km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=2.5km s-min=1.1km az=321.0.
DSN Error ellipse: s-maj=10.0km s-min=5.7km az=8.0.
ISC VII 18 21 31 19.9–1.4 27.93N–.03 52.05E–.04 11–9 4.3b 277 1-94
IDC VII 18 21 31 17.9–.75 27.89N 52.08E 0 4.1b,4.0 **¶620833404**
MOS VII 18 21 31 17.0–.80 27.83N 52.04E 7 4.5b,4.0
TEH VII 18 21 31 18.9 27.84N 51.95E 16 4.0L,4.0
NEIC VII 18 21 31 19.9–1.2 27.95N–.08 51.98E–.08 10–1 4.3b,4.0
OMAN VII 18 21 31 23.4–.12 27.79N 52.20E 10 4.1L,3.6b
DSN VII 18 21 31 25.1–.76 27.67N 52.25E 10 3.7L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=12.2km az=6.0.
MOS Error ellipse: s-maj=7.6km s-min=5.0km az=97.9.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.9km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=2.3km s-min=0.9km az=337.0.
DSN Error ellipse: s-maj=9.0km s-min=4.6km az=3.0.
ISC VII 19 00 12 10.3–1.2 29.90N–.08 51.22E–.10 22 3.4b 13 0-94
IDC VII 19 00 11 58.7–16 28.77N 51.13E 0 3.8s,3.6b **¶620928851**
TEH VII 19 00 12 09.5 29.74N 51.12E 11 2.9L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=317.5km s-min=31.1km az=5.0.
TEH Event type se. Presumed earthquake.
ISC VII 20 03 12 53.2–.43 29.71N–.04 51.22E–.04 10 4.1b 167 0-120
IDC VII 20 03 12 50.1–1.3 29.46N 51.27E 0 4.0b,4.0 **¶620961570**
NEIC VII 20 03 12 53.0–2.0 29.61N–.09 51.2E–.10 10–1 4.3b,4.0
TEH VII 20 03 12 54.0 29.73N 51.18E 16 3.7L,4.0
DSN VII 20 03 12 56.1–.69 29.57N 51.28E 10 4.2L,4.0
OMAN VII 20 03 12 57.7–.86 29.49N 51.46E 10 3.6b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=16.3km az=170.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=15.3km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=11.4km s-min=4.8km az=22.0.
OMAN Error ellipse: s-maj=6.7km s-min=5.0km az=158.0.
ISC VII 23 04 38 53.9–.45 29.64N–.03 51.14E–.04 10 3.9b 125 0-94
IDC VII 23 04 38 53.2–1.4 29.79N 51.02E 0 4.0b,3.9 **¶620967887**
TEH VII 23 04 38 53.7 29.64N 51.13E 8 3.8L,3.9
NEIC VII 23 04 38 54.4–1.3 29.63N–.09 51.2E–.10 10–1 4.6b,3.9
OMAN VII 23 04 38 57.1–1.3 29.58N 51.37E 10 3.7b,3.7s
DSN VII 23 04 39 00.7–1.2 29.42N 51.56E 10 4.4L,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=17.2km az=167.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=14.0km az=234.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=12.5km s-min=7.3km az=146.0.
DSN Error ellipse: s-maj=14.4km s-min=7.9km az=0.0.
ISC VII 24 05 35 40.3–.00 27.73N–.04 58.11E–.05 10 27 1-6
TEH VII 24 05 35 41.1 27.81N 58.14E 17 2.8L **¶621742049**
OMAN VII 24 05 35 47.0–.15 27.29N 58.10E 10 3.0L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=2.5km s-min=1.3km az=2.0.
ISC VII 30 21 10 23.8–.39 29.70N–.04 50.57E–.04 25 4.2b 254 0-96
IDC VII 30 21 10 19.9–.81 29.64N 50.50E 0 4.1b,4.0 **¶620923868**
GFZ VII 30 21 10 20.4–.36 30N–4.0 51E–4.0 10 4.2b,4.2
TEH VII 30 21 10 22.9 29.73N 50.59E 14 3.9L,4.2
NEIC VII 30 21 10 22.0–1.4 29.70N–.08 50.54E–.08 10–1 4.2b,4.2
DSN VII 30 21 10 24.3–.91 29.60N 50.63E 10 4.0L,4.2
OMAN VII 30 21 10 29.0–.07 29.44N 50.98E 10 3.7b,3.7L
NAO VII 30 21 10 45.1 31.85N 48.97E 33 4.1b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=11.6km az=174.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.3km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=14.4km s-min=4.6km az=9.0.
OMAN Error ellipse: s-maj=1.1km s-min=1.0km az=346.0.
ISC VII 29 23 47 27.0–1.7 29.73N–.04 50.62E–.04 17–10 4.4b,3.8s 308 1-91
TEH VII 29 23 47 23.8 29.66N 50.53E 7 4.4L,3.8s **¶620883007**
IDC VII 29 23 47 24.1–.77 29.71N 50.54E 0 4.2b,4.1
NEIC VII 29 23 47 25.9–1.3 29.66N–.08 50.66E–.08 10–1 4.5b,4.1
GFZ VII 29 23 47 27.0–.25 30N–4.0 51E–3.0 10 4.3b,4.3
DSN VII 29 23 47 30.2–1.0 29.50N 50.65E 20 4.8L,4.3
OMAN VII 29 23 47 31.4–.81 29.56N 50.92E 10 4.3L,4.2b
NAO VII 29 23 47 50.3 31.69N 48.27E 33 3.8b,4.2b
ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=18.2km s-min=11.6km az=179.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=12.4km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DSN Error ellipse: s-maj=16.2km s-min=5.2km az=13.0.
OMAN Error ellipse: s-maj=5.9km s-min=4.2km az=157.0.
ISC VII 30 21 14 02.2–.57 29.78N–.04 50.58E–.04 22 3.8b 95 1-63
IDC VII 30 21 13 59.4–1.7 29.86N 50.40E 0 3.9b,3.8 **¶620986093**
TEH VII 30 21 14 01.3 29.73N 50.63E 13 3.5L,3.8
DSN VII 30 21 14 02.0–.83 29.73N 50.68E 10 4.1L,3.8
OMAN VII 30 21 14 05.0–1.1 29.58N 50.82E 10 3.7b,3.4L
NAO VII 30 21 14 20.6 32.04N 48.68E 33 3.5b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=22.1km az=175.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=14.4km s-min=4.0km az=15.0.
OMAN Error ellipse: s-maj=8.3km s-min=7.5km az=157.0.
ISC VII 31 08 03 06.6–.65 27.11N–.03 60.53E–.05 10 3.7b 53 1-57
IDC VII 31 08 03 05.0–2.6 27.42N 60.44E 0 3.7b,3.7 **¶620986116**
TEH VII 31 08 03 09.6 27.08N 60.37E 20 3.6L,3.7
OMAN VII 31 08 03 15.4–.10 26.70N 60.27E 10 3.5L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=53.8km s-min=26.5km az=160.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.8km s-min=1.1km az=37.0.
ISC VIII 05 16 27 32.2–.94 29.14N–.05 51.44E–.05 10 52 1-10
TEH VIII 05 16 27 32.6 29.31N 51.34E 11 2.9L **¶621742155**
OMAN VIII 05 16 27 36.0–1.4 28.89N 51.51E 11 3.3L,3.2b
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=11.2km s-min=6.0km az=175.0.
ISC VIII 08 06 04 49.6–1.8 26.96N–.03 54.98E–.04 13–12 3.4b,3.3s 63 1-61
IDC VIII 08 06 04 39.2–6.4 26.02N 55.00E 0 3.5b,3.5 **¶621002114**
TEH VIII 08 06 04 49.9 26.90N 55.03E 20 3.5L,3.5
DSN VIII 08 06 04 51.4–1.4 26.86N 54.99E 10 3.4L,3.5
OMAN VIII 08 06 04 51.4–.12 27.05N 54.95E 34–3 3.5L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=131.0km s-min=32.1km az=175.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=18.3km s-min=5.5km az=7.0.
OMAN Error ellipse: s-maj=4.3km s-min=1.5km az=336.0.
ISC VIII 07 00 09 34.7–1.6 26.87N–.06 58.98E–.07 10 36 1-7
TEH VIII 07 00 09 34.0 27.08N 58.87E 14 2.6L **¶621742163**
OMAN VIII 07 00 09 38.7–.56 26.58N 58.88E 10 2.7L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=4.3km s-min=2.8km az=44.0.
ISC VIII 08 07 14 48.8–.98 29.56N–.07 50.58E–.06 25 3.8b 24 0-41
IDC VIII 08 07 14 47.9–9.0 29.97N 50.47E 0 3.8b,3.8 **¶621002117**
TEH VIII 08 07 14 48.3 29.75N 50.64E 9 3.3L,3.8
NAO VIII 08 07 15 11.2 31.85N 48.97E 33 3.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=164.5km s-min=37.8km az=177.0.
TEH Event type se. Presumed earthquake.
NAO Event type se. Presumed earthquake.
ISC VIII 10 06 29 15.8–.58 29.70N–.05 51.13E–.04 10 3.7b 68 0-87
IDC VIII 10 06 29 12.1–4.2 29.46N 51.02E 0 3.8b,3.7 **¶621008098**
DSN VIII 10 06 29 16.4–1.3 29.71N 51.20E 10 3.8L,3.7
TEH VIII 10 06 29 16.6 29.77N 51.18E 8 3.5L,3.7
OMAN VIII 10 06 29 20.4–.10 29.45N 51.31E 10 3.8b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=83.2km s-min=32.3km az=1.0.
DSN Error ellipse: s-maj=21.8km s-min=4.1km az=13.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.8km s-min=1.1km az=329.0.
ISC VIII 08 21 55 36.2–1.0 26.87N–.04 54.99E–.06 17 14 1-5
DSN VIII 08 21 55 34.8–1.4 26.98N 54.91E 10 3.1L **¶624417874**
TEH VIII 08 21 55 37.6 27.18N 55.03E 10 2.9L
ISC Event type se.
DSN Error ellipse: s-maj=17.8km s-min=6.2km az=8.0.
TEH Event type se. Presumed earthquake.
ISC VIII 11 16 18 04.3–.42 26.93N–.04 54.28E–.03 18 4.0b,3.8s 170 1-92
IDC VIII 11 16 18 00.6–.91 26.76N 54.33E 0 4.1s,3.9b **¶620983152**
DSN VIII 11 16 18 02.2–2.4 27.13N 54.24E 10 3.8L,3.9b
NEIC VIII 11 16 18 03.5–1.4 26.94N–.09 54.25E–.08 10–1 4.2b,3.9b
TEH VIII 11 16 18 04.1 26.88N 54.30E 17 4.0L,3.9b
OMAN VIII 11 16 18 05.2–.07 26.86N 54.29E 10 3.8L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=15.2km az=177.0.
DSN Error ellipse: s-maj=29.0km s-min=6.7km az=167.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.7km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.6km s-min=0.6km az=9.0.
ISC VIII 12 14 52 30.3–.36 28.36N–.04 57.63E–.04 10 4.0b,3.1s 162 0-120
DSN VIII 12 14 52 25.8–1.4 28.86N 57.76E 30 4.1L,3.1s **¶620984163**
OMAN VIII 12 14 52 26.6–1.1 28.53N 58.03E 10 4.3L,4.0b
IDC VIII 12 14 52 28.6–.63 28.34N 57.59E 0 4.1L,4.0b
NEIC VIII 12 14 52 29.7–2.4 28.25N–.06 57.6E–.10 10–1 4.4b,4.0b
TEH VIII 12 14 52 30.6 28.30N 57.67E 19 4.2L,4.0b
ISC Event type se.
DSN Error ellipse: s-maj=18.5km s-min=13.3km az=104.0.
OMAN Error ellipse: s-maj=13.8km s-min=7.3km az=74.0.
IDC Error ellipse: s-maj=15.1km s-min=12.3km az=178.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=10.3km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
ISC VIII 13 09 31 29.6–.29 29.86N–.03 50.78E–.03 10 4.6b,3.8s 597 1-120
IDC VIII 13 09 31 28.2–.61 29.95N 50.82E 0 4.3b,4.3 **¶620985613**
TEH VIII 13 09 31 28.3 29.74N 50.78E 11 4.4L,4.3
NEIC VIII 13 09 31 29.4–.66 29.87N–.04 50.75E–.08 10–1 4.6b,4.3
MOS VIII 13 09 31 31.6–1.3 29.81N 50.81E 17 4.7b,4.3
DSN VIII 13 09 31 31.1–.81 29.91N 50.98E 10 4.6L,4.3
GFZ VIII 13 09 31 31.2–.25 30N–3.0 51E–3.0 10 4.6b,4.6
OMAN VIII 13 09 31 32.6–1.1 29.77N 51.12E 10 4.2L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=11.3km s-min=9.2km az=159.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.4km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.2km s-min=3.3km az=118.3.
DSN Error ellipse: s-maj=12.6km s-min=2.6km az=8.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
OMAN Error ellipse: s-maj=9.1km s-min=6.9km az=161.0.
ISC VIII 12 12 11 04.6–.55 28.25N–.04 57.56E–.05 10 3.6b 74 1-120
IDC VIII 12 12 11 04.0–1.0 28.28N 57.35E 0 3.8b,3.8 **¶621009410**
TEH VIII 12 12 11 03.5 28.27N 57.58E 8 3.8L,3.8
OMAN VIII 12 12 11 05.6–1.2 28.22N 57.60E 10 3.7L,3.7b
DSN VIII 12 12 11 07.4–4.7 28.22N 57.31E 10 3.6L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=18.1km az=176.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=12.6km s-min=8.0km az=169.0.
DSN Error ellipse: s-maj=60.4km s-min=10.6km az=55.0.
ISC VIII 12 12 24 05.6–.43 28.32N–.03 57.61E–.03 8–2 5.0b,3.9s 868 1-129
BJI VIII 12 12 24 00.9 28.26N 57.13E 10 5.0b,4.7b **¶620984156**
OMAN VIII 12 12 24 02.3–.11 28.53N 57.91E 10 4.9L,4.8
IDC VIII 12 12 24 04.2–.44 28.30N 57.60E 0 4.8b,4.8
MOS VIII 12 12 24 04.3–.84 28.32N 57.53E 13 5.1b,4.8

TEH VIII 12 12 24 05.1 28.32N 57.71E 8 4.9L,4.8
NEIC VIII 12 12 24 06.0–1.1 28.34N–.07 57.47E–.09 10–1 5.0b,4.8
GFZ VIII 12 12 24 06.9–.23 28N–3.0 58E–3.0 10 5.2b,5.0
THR VIII 12 12 24 06.2–.00 28.33N 57.66E 16–8 5.0L,5.0
DSN VIII 12 12 24 09.8–1.1 28.35N 57.45E 30 5.5b,4.8L
BGR VIII 12 12 24 12.1 28.42N 57.04E 33 4.9b,3.6s
ISC Event type ke.
OMAN Error ellipse: s-maj=2.2km s-min=1.5km az=225.0.
IDC Error ellipse: s-maj=11.6km s-min=7.9km az=2.0.
MOS Error ellipse: s-maj=4.8km s-min=3.3km az=111.1.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.1km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
THR Event type se. Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0. Presumed earthquake.
DSN Error ellipse: s-maj=16.8km s-min=6.5km az=76.0.
BGR Event type ke.
ISC VIII 13 11 58 55.6–1.0 29.87N–.05 50.87E–.05 10 36 1-8
TEH VIII 13 11 58 54.6 29.88N 50.86E 12 3.9L **¶624417916**
DSN VIII 13 11 58 58.8–1.2 29.55N 50.91E 10 4.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=22.0km s-min=4.0km az=12.0.
ISC VIII 13 17 27 30.8–.37 28.31N–.03 57.43E–.04 10 4.2b,3.2s 210 1-90
DSN VIII 13 17 27 28.1–1.5 28.63N 57.89E 30 4.0L,3.2s **¶620986267**
OMAN VIII 13 17 27 29.1–.09 28.50N 57.74E 15 4.2L,4.0b
IDC VIII 13 17 27 29.1–.85 28.18N 57.42E 0 4.0b,4.0
NEIC VIII 13 17 27 31.0–1.8 28.28N–.09 57.37E–.08 10–1 4.5b,4.0
TEH VIII 13 17 27 31.0 28.27N 57.57E 12 4.2L,4.0
ISC Event type se.
DSN Error ellipse: s-maj=30.2km s-min=14.0km az=128.0.
OMAN Error ellipse: s-maj=1.7km s-min=1.2km az=230.0.
IDC Error ellipse: s-maj=19.6km s-min=14.2km az=165.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=5.6km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
ISC VIII 14 01 06 28.3–1.0 29.75N–.07 50.77E–.06 22 11 1-8
TEH VIII 14 01 06 25.7 29.89N 50.86E 10 2.9L **¶624417929**
DSN VIII 14 01 06 31.8–.78 29.39N 50.74E 15 3.8L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=11.4km s-min=4.0km az=32.0.
ISC IX 19 18 22 50.9–1.6 27.07N–.06 57.99E–.05 57–53 65 1-10
TEH IX 19 18 22 47.3 27.19N 57.96E 20 2.9L **¶621742479**
DSN IX 19 18 22 51.7–1.5 26.84N 57.75E 5 2.9L
OMAN IX 19 18 22 53.6–.08 26.73N 57.88E 10 3.1L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=22.7km s-min=13.7km az=111.0.
OMAN Error ellipse: s-maj=1.3km s-min=0.9km az=21.0.
ISC VIII 14 09 15 02.9–.93 28.34N–.05 57.62E–.08 10 35 1-54
OMAN VIII 14 09 14 59.1–1.6 28.62N 57.76E 10 3.4L **¶621013471**
TEH VIII 14 09 15 01.8 28.33N 57.53E 8 3.3L
IDC VIII 14 09 15 13.6–3.1 28.12N 55.46E 0 3.3b,3.3
ISC Event type se.
OMAN Error ellipse: s-maj=21.5km s-min=11.2km az=140.0.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=83.6km s-min=35.0km az=158.0.
ISC VIII 18 05 16 43.4–.52 29.63N–.03 51.13E–.04 10 3.8b 98 0-87
IDC VIII 18 05 16 42.6–2.1 29.67N 51.10E 0 3.8b,3.8 **¶621030346**
TEH VIII 18 05 16 42.3 29.65N 51.03E 8 3.6L,3.8
OMAN VIII 18 05 16 50.6–.06 29.42N 51.54E 10 3.6b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=18.7km az=162.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.1km s-min=0.8km az=345.0.
ISC VIII 28 13 03 02.2–1.0 28.92N–.05 52.14E–.05 23 51 1-9
TEH VIII 28 13 03 02.2 29.01N 52.10E 17 3.1L **¶621742295**
OMAN VIII 28 13 03 04.3–1.1 28.67N 52.27E 10 3.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=9.3km s-min=6.1km az=170.0.
ISC IX 11 20 55 23.2–1.8 27.37N–.04 54.66E–.04 15–11 4.0b,3.4s 223 1-92
DSN IX 11 20 55 20.0–1.9 27.65N 54.61E 10 4.1L,3.4s **¶621072240**
IDC IX 11 20 55 20.3–.82 27.32N 54.69E 0 3.9b,3.9
NEIC IX 11 20 55 22.7–.99 27.39N–.07 54.65E–.08 10–1 4.3b,3.9
OMAN IX 11 20 55 22.3–.18 27.56N 54.72E 16–1 4.2L,4.0b
TEH IX 11 20 55 22.1 27.30N 54.62E 18 4.0L,4.0b
ISC Event type se.
DSN Error ellipse: s-maj=22.8km s-min=6.7km az=3.0.
IDC Error ellipse: s-maj=19.0km s-min=15.0km az=174.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.2km az=43.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=1.6km s-min=0.9km az=241.0.
TEH Event type se. Presumed earthquake.
ISC IX 11 21 20 02.0–1.6 27.37N–.04 54.57E–.04 18–10 3.9b,3.3s 159 1-92
IDC IX 11 21 19 58.1–.94 27.19N 54.65E 0 3.8L,3.8b **¶621070384**
TEH IX 11 21 19 59.6 27.27N 54.58E 11 3.8L,3.8b
NEIC IX 11 21 20 00.9–1.1 27.39N–.07 54.52E–.09 10–1 4.1b,3.8b
DSN IX 11 21 20 02.5–.78 27.35N 54.58E 10 3.8L,3.8b
OMAN IX 11 21 20 02.0–.09 27.32N 54.69E 10 3.8L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=16.4km az=178.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=11.2km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=12.2km s-min=4.7km az=27.0.
OMAN Error ellipse: s-maj=2.1km s-min=0.7km az=7.0.
ISC IX 11 22 45 21.1–2.0 27.37N–.04 54.64E–.03 18–8 4.4b,3.3s 302 1-117
TEH IX 11 22 45 17.8 27.29N 54.57E 11 4.2L,3.3s **¶621070387**
IDC IX 11 22 45 17.7–.64 27.29N 54.66E 0 4.1b,4.1
DSN IX 11 22 45 19.9–.52 27.49N 54.62E 10 4.4L,4.1
NEIC IX 11 22 45 19.9–1.0 27.41N–.07 54.58E–.08 10–1 4.4b,4.1
GFZ IX 11 22 45 21.4–.30 27N–5.0 55E–3.0 10 5.2b,4.6
OMAN IX 11 22 45 22.8–.10 27.32N 54.66E 15–0 4.3L,4.2b
ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=15.5km s-min=12.9km az=12.0.
DSN Error ellipse: s-maj=7.6km s-min=2.8km az=26.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=10.2km az=50.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
OMAN Error ellipse: s-maj=1.1km s-min=0.7km az=0.0.
ISC VIII 15 00 19 17.6–1.0 28.17N–.05 55.94E–.08 16 18 1-4
TEH VIII 15 00 19 17.2 28.17N 55.88E 10 2.9L **¶624417939**
DSN VIII 15 00 19 23.4–1.7 27.70N 55.68E 10 2.6L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=19.3km s-min=16.1km az=126.0.
ISC VIII 22 22 27 49.8–.38 28.08N–.03 55.62E–.03 22 4.2b 251 1-91
DSN VIII 22 22 27 48.8–.03 28.15N 55.48E 10 3.8L **¶620999713**
MOS VIII 22 22 27 48.2–1.5 27.87N 55.66E 34 4.4b
NEIC VIII 22 22 27 48.1–1.9 28.13N–.08 55.48E–.04 10–1 4.4b
TEH VIII 22 22 27 49.6 28.02N 55.56E 20 4.1L

OMAN VIII 22 22 27 50.7–.24 28.04N 55.55E 20–10 4.1L,3.7b
IDC VIII 22 22 27 58.7–4.1 28.18N 55.59E 102–38 4.1,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=8.4km s-min=5.1km az=106.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.3km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=15.7km s-min=1.7km az=6.0.
IDC Error ellipse: s-maj=16.4km s-min=12.5km az=159.0.
ISC VIII 23 22 49 13.2–.94 27.06N–.04 53.48E–.05 10 64 0-7
TEH VIII 23 22 49 12.3 27.07N 53.46E 12 3.3L **¶621742260**
DSN VIII 23 22 49 16.9–.99 27.22N 53.85E 10 2.8L
OMAN VIII 23 22 49 16.2–1.1 27.07N 53.58E 10 3.3b,3.3L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=17.7km s-min=7.8km az=66.0.
OMAN Error ellipse: s-maj=11.1km s-min=7.5km az=28.0.
ISC VIII 24 05 51 59.7–1.1 28.10N–.05 59.39E–.05 10 30 1-6
OMAN VIII 24 05 51 59.1–.14 28.12N 59.43E 10 3.3L **¶621742266**
TEH VIII 24 05 51 59.1 28.17N 59.45E 8 3.8L
ISC Event type se.
OMAN Error ellipse: s-maj=2.8km s-min=1.5km az=9.0.
TEH Event type se. Presumed earthquake.
ISC VIII 24 06 24 39.7–.68 27.70N–.03 56.45E–.04 18 3.8b 73 0-45
DSN VIII 24 06 24 39.7–.94 27.96N 56.40E 30 3.6L **¶621049295**
TEH VIII 24 06 24 40.8 27.63N 56.47E 21 3.7L
IDC VIII 24 06 24 40.6–13 28.17N 56.37E 0 4.5s,3.8b
OMAN VIII 24 06 24 43.3–.95 27.42N 56.27E 10 5.8,4.5s
ISC Event type se.
DSN Error ellipse: s-maj=12.5km s-min=6.8km az=65.0.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=269.4km s-min=29.2km az=178.0.
OMAN Error ellipse: s-maj=9.8km s-min=4.5km az=18.0.
ISC VIII 24 18 42 48.7–.69 28.00N–.05 56.88E–.05 10 3.2s,3.2b 63 1-58
IDC VIII 24 18 42 45.3–3.1 27.86N 56.92E 0 3.7L,3.5b **¶621049346**
TEH VIII 24 18 42 48.6 27.90N 56.86E 9 3.9L,3.5b
DSN VIII 24 18 42 49.7–1.7 28.11N 56.75E 15 3.9L,3.5b
OMAN VIII 24 18 42 50.5–.10 27.96N 56.73E 10 4.0L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=68.5km s-min=25.8km az=160.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=18.8km s-min=11.2km az=47.0.
OMAN Error ellipse: s-maj=2.0km s-min=1.1km az=16.0.
ISC IX 03 19 35 17.5–1.6 29.1N–.30 60.5E–.20 10 3.4b 7 18-88
IDC IX 03 19 35 15.9–1.7 29.05N 60.47E 0 3.5b,3.5 **¶621081588**
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=26.0km az=174.0.
ISC IX 20 07 26 27.0–.89 27.24N–.05 53.10E–.05 10 48 0-10
TEH IX 20 07 26 25.9 27.24N 53.05E 8 3.3L **¶621742485**
OMAN IX 20 07 26 27.5–.98 27.24N 53.14E 10 3.4b,3.3L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=11.3km s-min=4.9km az=166.0.
ISC IX 19 22 11 09.9–.42 27.44N–.04 52.59E–.03 14 4.1b,2.9s 135 1-98
IDC IX 19 22 11 07.1–1.1 27.26N 52.54E 0 3.8b,3.8 **¶621113649**
TEH IX 19 22 11 07.2 27.35N 52.42E 12 3.8L,3.8
NEIC IX 19 22 11 09.4–1.7 27.35N–.09 52.47E–.09 10–1 4.4b,3.8
DSN IX 19 22 11 13.7–.83 27.30N 52.73E 15 3.3L,3.8
OMAN IX 19 22 11 14.0–.07 27.22N 52.73E 10 3.7L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=17.7km az=158.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=12.8km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=10.4km s-min=6.3km az=3.0.
OMAN Error ellipse: s-maj=1.4km s-min=0.8km az=347.0.
ISC IX 20 14 35 07.3–1.1 27.27N–.04 53.13E–.04 6–8 3.7b 58 0-39
IDC IX 20 14 34 45.5–48 24.66N 53.08E 0 3.5b,3.5 **¶621742486**
TEH IX 20 14 35 07.1 27.25N 53.16E 5 3.3L,3.5
OMAN IX 20 14 35 13.7–1.2 27.07N 53.23E 10 3.4L,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=954.5km s-min=41.5km az=4.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=12.0km s-min=7.4km az=6.0.
ISC IX 21 01 24 37.5–.51 27.14N–.03 52.97E–.03 10 4.1b 91 0-42
IDC IX 21 01 24 29.2–9.9 26.33N 52.82E 0 3.8b,3.8 **¶621116014**
TEH IX 21 01 24 36.3 27.19N 52.91E 9 3.4L,3.8
NEIC IX 21 01 24 38.5–.78 27.3N–.10 52.90E–.06 10–2 4.4b,3.8
OMAN IX 21 01 24 43.2–.06 26.97N 53.01E 10 3.3b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=184.8km s-min=37.6km az=4.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=7.1km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=1.3km s-min=0.5km az=354.0.
ISC IX 28 16 52 44.9–.49 27.41N–.04 52.60E–.04 14 3.9b 74 1-89
IDC IX 28 16 52 42.3–2.7 27.35N 52.52E 0 3.9s,3.7b **¶621140839**
NEIC IX 28 16 52 44.9–1.7 27.51N–.10 52.69E–.10 10–1 4.3b,3.7b
TEH IX 28 16 52 44.1 27.30N 52.55E 16 3.5L,3.7b
OMAN IX 28 16 52 49.0–.08 27.45N 52.78E 124–1 3.3b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=57.0km s-min=25.7km az=161.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=13.4km az=211.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=2.0km s-min=1.0km az=2.0.
ISC IX 21 08 07 54.8–.62 27.84N–.05 57.72E–.05 30 3.9b,3.2s 82 1-88
OMAN IX 21 08 07 52.5–1.9 27.85N 57.69E 10 4.0L,3.8b **¶621116026**
TEH IX 21 08 07 52.4 27.86N 57.74E 14 3.9L,3.8b
DSN IX 21 08 07 55.8–2.4 27.69N 58.09E 30 4.0L,3.8b
IDC IX 21 08 07 58.0–9.5 27.97N 57.69E 64–89 4.3L,4.0
ISC Event type se.
OMAN Error ellipse: s-maj=21.4km s-min=7.4km az=39.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=42.1km s-min=15.3km az=154.0.
IDC Error ellipse: s-maj=41.7km s-min=15.0km az=154.0.
ISC IX 26 00 42 20.7–.92 28.00N–.04 57.38E–.05 10 39 1-7
TEH IX 26 00 42 20.6 28.01N 57.39E 10 2.7L **¶621742558**
OMAN IX 26 00 42 25.0–1.4 27.77N 57.54E 10 2.8L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=11.4km s-min=9.3km az=43.0.
ISC IX 26 00 14 17.1–.32 28.07N–.03 57.10E–.04 10 4.4b,3.6s 471 1-91
DSN IX 26 00 14 11.6–1.2 28.66N 57.16E 10 4.5L,3.6s **¶621110139**
MOS IX 26 00 14 14.9–.89 28.04N 57.04E 11 4.6b,3.6s
IDC IX 26 00 14 14.7–.74 28.02N 57.14E 0 4.1b,4.1
NEIC IX 26 00 14 16.8–1.2 28.06N–.06 57.02E–.06 10–1 4.5b,4.1
OMAN IX 26 00 14 16.9–1.5 28.11N 57.23E 10 4.5L,4.2b
THR IX 26 00 14 17.4–.00 28.02N 57.22E 12–434 4.5L,4.2b
TEH IX 26 00 14 18.2 28.02N 57.21E 18 4.5L,4.2b
GFZ IX 26 00 14 20.3–.29 28N–4.0 57E–3.0 10 4.9b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THR Event type se. Presumed earthquake.
TEH Event type se. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 01 01 41 08.0–1.2 29.53N–.07 50.77E–.06 10 31 0-12
TEH X 01 01 41 05.8 29.75N 50.61E 10 2.6L ¶621742612
OMAN X 01 01 41 18.5–.17 28.99N 51.17E 10 3.3b,2.9L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=3.0km s-min=1.8km az=333.0.
ISC IX 30 10 29 01.9–2.0 26.61N–.04 55.50E–.08 1–13 30 1-4
DSN IX 30 10 29 00.3–.61 26.74N 55.54E 6–2 3.3L ¶621742604
OMAN IX 30 10 29 01.6–.16 26.75N 55.63E 12–0 3.0L
TEH IX 30 10 29 02.6 26.63N 55.67E 16 2.9L
ISC Event type se.
DSN Error ellipse: s-maj=7.5km s-min=3.2km az=47.0.
OMAN Error ellipse: s-maj=7.1km s-min=2.0km az=42.0.
TEH Event type se. Presumed earthquake.
ISC IX 30 14 43 30.8–1.0 29.74N–.05 50.65E–.06 10 29 1-12
TEH IX 30 14 43 30.6 29.74N 50.61E 10 2.8L ¶621742605
OMAN IX 30 14 43 34.9–.14 29.54N 50.87E 10 2.9L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=2.7km s-min=1.4km az=318.0.
ISC X 01 02 33 20.0–.30 29.67N–.03 50.48E–.03 10 4.5b,3.5s 339 1-116
MOS X 01 02 33 19.7–.95 29.78N 50.49E 15 4.7b,3.5s ¶621113760
TEH X 01 02 33 19.5 29.72N 50.49E 8 4.3L,3.5s
IDC X 01 02 33 19.7–.63 29.89N 50.55E 0 4.2b,4.1
THR X 01 02 33 19.4–.00 29.73N 50.46E 12–11 4.5L,4.1
GFZ X 01 02 33 21.4–.24 30N–4.0 50E–3.0 10 4.9b,4.8L
NEIC X 01 02 33 21.3–1.4 29.81N–.07 50.55E–.07 10–1 4.6b,4.8L
DSN X 01 02 33 24.7–.86 29.76N 50.62E 30 4.8L,4.8L
OMAN X 01 02 33 36.4–.44 29.09N 51.13E 173–4 4.6b,4.2L
ISC Event type se.
MOS Error ellipse: s-maj=7.2km s-min=5.0km az=94.3.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=15.1km s-min=10.0km az=179.0.
THR Event type se. Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.3km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=13.6km s-min=2.9km az=9.0.
OMAN Error ellipse: s-maj=9.6km s-min=3.4km az=289.0.
ISC X 10 16 11 25.4–.56 27.37N–.03 55.25E–.03 10–3 4.7b,4.2s 590 1-99
BJI X 10 16 11 20.2 27.54N 54.72E 10 5.1b,4.7s ¶621144274
IDC X 10 16 11 23.4–.57 27.40N 55.31E 0 4.4,4.3L
MOS X 10 16 11 23.7–.87 27.39N 55.27E 14 5.0b,4.4s
TEH X 10 16 11 25.4 27.32N 55.26E 17 4.7L,4.4s
DSN X 10 16 11 25.3–.84 27.53N 55.28E 19–5 4.8L,4.4s
THR X 10 16 11 25.8–.00 27.40N 55.31E 12–12 4.7L,4.4s
NEIC X 10 16 11 25.7–1.1 27.45N–.07 55.23E–.08 10–1 4.7b,4.4s
OMAN X 10 16 11 26.3–.10 27.41N 55.26E 10 4.9,4.8L
GCMT X 10 16 11 26.0–.20 27.12N–.01 55.35E–.02 13–1 4.9W,4.8L
GFZ X 10 16 11 26.1–.19 27N–3.0 55E–2.0 10 5.7,5.5
ISC Event type se.
TEH Event type se. Presumed earthquake.
THR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110101611A. Moment Tensor Solution. s27,c32; s79,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.54±.10 $M_{\theta\theta}$-1.58±.07; $M_{\phi\phi}$0.04±.06; $M_{r\theta}$1.91±.23; $M_{\theta\phi}$0.50±.04; $M_{\phi r}$0.65±.18; Best double couple: NP1:ϕ_s307.00000°,δ25.00000°,λ133.00000°. NP2:ϕ_s81.00000°,δ72.00000°,λ72.00000°. Principal axes:
T 2.6900,Plg59.0000°,Azm325.0000°; N -0.1870,Plg17.0000°,Azm87.0000°
; P -2.4990,Plg25.0000°,Azm185.0000° $M_0$2.59500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 01 01 15 22.2–.44 29.76N–.03 50.48E–.03 15–2 5.1b,4.2s 1167 1-158
GII X 01 01 15 17.3–.00 29.78N 50.52E 0 5.5,4.2s ¶621113750
MOS X 01 01 15 19.4–1.2 29.73N 50.49E 8 5.3b,4.2s
THR X 01 01 15 19.8–.00 29.69N 50.46E 10–19 5.2L,4.2s
TEH X 01 01 15 20.0 29.79N 50.50E 8 5.1L,4.2s
NEIC X 01 01 15 21.9–2.0 29.80N–.07 50.49E–.08 10–1 5.2b,4.9
GFZ X 01 01 15 22.2–.12 30N–2.0 50E–1.0 10 6.8,6.7
GFZ X 01 01 15 22.2 29.75N 50.47E 14 4.8W,6.7
GCMT X 01 01 15 23.1–.20 29.81N–.02 50.52E–.02 17–0 4.9W,6.7
IDC X 01 01 15 23.4–1.4 29.79N 50.41E 24–8 4.8,4.7b
DSN X 01 01 15 24.6–.42 29.73N 50.57E 30 5.5L,5.3b
OMAN X 01 01 15 24.2–.06 29.54N 50.61E 10 5.0b,4.9L
BGR X 01 01 15 26.3 29.95N 50.39E 33 4.9b,3.9s
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
MOS Error ellipse: s-maj=5.1km s-min=3.0km az=114.6.
THR Event type se. Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=11.0km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}2.19 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$-1.47 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.62 $M_{\phi r}$0.23 NP1:
ϕ_s150.81992°,δ41.09906°,λ90.41346°. NP2:ϕ_s330.27127°,δ48.90224°,λ89.63934°.
Principal axes: T 2.2097,Plg86.0889°,Azm236.5297°; N -0.3671,Plg0.2718°,Azm330.5083°
; P -1.8426,Plg3.9016°,Azm60.5269° $M_0$2.05095×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110010115A. Moment Tensor Solution. s33,c40; s103,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.63±.13 $M_{\theta\theta}$-0.78±.08; $M_{\phi\phi}$-1.85±.09; $M_{r\theta}$-1.09±.23; $M_{\theta\phi}$1.00±.05; $M_{\phi r}$0.85±.21; Best double couple: NP1:ϕ_s157.00000°,δ32.00000°,λ105.00000°. NP2:ϕ_s320.00000°,δ59.00000°,λ81.00000°. Principal axes:
T 3.0130,Plg74.0000°,Azm206.0000°; N -0.2470,Plg8.0000°,Azm325.0000°
; P -2.7640,Plg14.0000°,Azm56.0000° $M_0$2.88800×10^{16}
IDC Error ellipse: s-maj=10.8km s-min=8.6km az=175.0.
DSN Error ellipse: s-maj=8.2km s-min=4.4km az=40.0.
OMAN Error ellipse: s-maj=1.7km s-min=1.5km az=226.0.
BGR Event type ke.
ISC X 08 10 13 27.2–2.2 27.86N–.07 52.2E–.10 26 21 1-6
TEH X 08 10 13 25.1 27.87N 52.18E 20 3.8L ¶624418411
DSN X 08 10 13 31.1–.94 27.93N 52.67E 30 3.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=16.8km s-min=9.1km az=50.0.
ISC X 10 18 26 55.9–1.3 27.31N–.05 55.35E–.06 15 13 1-3
DSN X 10 18 26 52.0–1.5 27.62N 55.51E 10 2.5L ¶624418429
TEH X 10 18 26 53.8 27.23N 55.34E 28 2.8L
ISC Event type se.
DSN Error ellipse: s-maj=51.3km s-min=11.1km az=63.0.
TEH Event type se. Presumed earthquake.
ISC X 22 16 50 25.5–.83 29.11N–.04 53.31E–.04 10 56 1-12
TEH X 22 16 50 24.7 29.14N 53.28E 5 3.2L ¶621742881
OMAN X 22 16 50 30.0–.08 28.73N 53.17E 10 3.0b,2.9L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.9km s-min=0.8km az=14.0.
ISC X 12 05 37 23.7–.62 28.76N–.03 52.50E–.05 12 3.8b 75 1-50
IDC X 12 05 37 21.0–2.5 28.68N 52.41E 0 3.9b,3.8 ¶621236925
TEH X 12 05 37 25.9 28.84N 52.55E 18 3.6L,3.8
OMAN X 12 05 37 28.2–.08 28.49N 52.56E 10 3.5b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=24.5km az=162.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.4km s-min=0.9km az=341.0.
ISC X 16 19 11 28.4–1.7 27.61N–.07 56.65E–.08 14–9 38 0-11
TEH X 16 19 11 26.0 27.59N 56.73E 27 2.9L ¶621742797
OMAN X 16 19 11 27.8–.14 27.61N 56.68E 10 2.9L
DSN X 16 19 11 28.8–1.6 27.45N 55.23E 10 2.8L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=2.7km s-min=1.3km az=15.0.
DSN Error ellipse: s-maj=41.7km s-min=11.2km az=49.0.
ISC X 14 14 17 49.2–1.1 27.50N–.05 56.30E–.05 18 36 0-10
OMAN X 14 14 17 46.4–.13 27.65N 56.45E 10 3.2L,3.1b ¶621742756
TEH X 14 14 17 46.2 27.49N 56.24E 11 2.8L,3.1b
ISC Event type se.
OMAN Error ellipse: s-maj=2.5km s-min=1.5km az=12.0.
TEH Event type se. Presumed earthquake.
ISC X 18 22 48 11.6–.54 27.45N–.04 52.61E–.04 14 4.0s,3.9b 97 1-78
IDC X 18 22 48 09.1–4.5 27.45N 52.54E 0 4.0b,4.0s ¶621244049
TEH X 18 22 48 09.2 27.28N 52.47E 14 3.9L,4.0s
OMAN X 18 22 48 11.8–1.2 27.45N 52.68E 10 3.7L,3.4b
DSN X 18 22 48 12.3–1.6 27.40N 52.68E 10 3.3L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=88.6km s-min=23.8km az=177.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=12.5km s-min=6.8km az=179.0.
DSN Error ellipse: s-maj=24.4km s-min=6.6km az=177.0.
ISC X 21 06 05 11.0–.27 27.68N–.02 58.46E–.03 10 4.8b,3.5s 382 1-121
IDC X 21 06 05 08.8–.59 27.64N 58.45E 0 4.6L,4.4 ¶621229665
BJI X 21 06 05 09.1 27.79N 58.08E 22 4.9b,4.9b
MOS X 21 06 05 09.6–.99 27.58N 58.42E 18 4.9b,4.9b
NEIC X 21 06 05 10.8–1.6 27.67N–.07 58.37E–.09 10–1 4.9b,4.9b
GFZ X 21 06 05 12.2–.29 28N–4.0 58E–3.0 10 6.1,6.1
THR X 21 06 05 14.8–.00 27.64N 58.50E 12–700 4.7L,6.1
TEH X 21 06 05 15.2 27.65N 58.50E 15 4.8L,6.1
OMAN X 21 06 05 17.5–.09 27.39N 58.33E 10 4.8L,4.5b
DSN X 21 06 05 17.7–1.7 27.56N 58.54E 30 4.5L,4.5b
BGR X 21 06 05 40.1 27.42N 56.50E 33 4.8b,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=14.5km s-min=12.6km az=30.0.
MOS Error ellipse: s-maj=7.4km s-min=4.8km az=71.2.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=11.4km az=296.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
THR Event type se. Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.5km s-min=1.2km az=229.0.
DSN Error ellipse: s-maj=29.9km s-min=16.7km az=135.0.
BGR Event type ke.
ISC X 29 05 26 06.0–.95 27.17N–.04 56.35E–.06 10 38 0-10
TEH X 29 05 26 04.0 27.15N 56.21E 6 2.8L ¶621742975
DSN X 29 05 26 07.8–.90 27.11N 56.44E 5 3.2L
OMAN X 29 05 26 11.4–.11 26.98N 56.74E 10 2.9L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=30.1km s-min=7.0km az=108.0.
OMAN Error ellipse: s-maj=2.5km s-min=1.4km az=329.0.
ISC X 23 05 40 10.1–1.3 27.44N–.06 57.90E–.06 10 58 2-11
TEH X 23 05 40 08.3 27.50N 57.75E 14 3.5L ¶621742883
OMAN X 23 05 40 12.9–.76 27.24N 57.90E 10 3.2L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=6.5km s-min=4.7km az=39.0.
ISC X 27 07 42 24.8–1.2 28.31N–.04 57.12E–.06 10 51 1-11
TEH X 27 07 42 23.5 28.35N 57.17E 8 3.7L ¶621742944
OMAN X 27 07 42 25.9–1.5 28.19N 57.17E 10 3.6L
DSN X 27 07 42 29.1–1.4 28.21N 56.09E 5 3.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=14.9km s-min=12.3km az=145.0.
DSN Error ellipse: s-maj=24.1km s-min=11.3km az=77.0.
ISC X 31 07 49 11.7–.66 27.35N–.05 52.53E–.05 14 4.0b 49 1-87
IDC X 31 07 49 11.8–16 27.66N 52.61E 0 3.8b,3.7 ¶621395230
NEIC X 31 07 49 12.0–.93 27.5N–.10 52.55E–.03 10–2 4.3b,3.7
TEH X 31 07 49 13.6 27.32N 52.65E 20 3.6L,3.7
DSN X 31 07 49 17.4–1.5 27.31N 52.94E 10 2.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=321.1km s-min=34.0km az=2.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=4.2km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=23.0km s-min=8.3km az=0.0.
ISC X 30 19 33 18.0–.96 28.37N–.08 52.93E–.06 10 3.6b,3.6s 21 1-89
IDC X 30 19 33 17.9–20 28.58N 52.72E 0 3.6b,3.6 ¶621395196
TEH X 30 19 33 17.5 28.42N 52.97E 8 3.1L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=400.5km s-min=36.8km az=5.0.
TEH Event type se. Presumed earthquake.
ISC XI 01 09 39 58.1–1.1 26.55N–.03 54.03E–.03 30–10 3.5b,3.2s 69 1-92
IDC XI 01 09 39 52.8–1.9 26.48N 53.95E 0 3.7b,3.7 ¶621401259
TEH XI 01 09 39 57.2 26.69N 54.13E 9 3.5L,3.7
DSN XI 01 09 40 00.6–1.7 26.71N 54.23E 20–24 3.2L,3.7
OMAN XI 01 09 40 05.2–.04 26.03N 54.01E 10 3.4b,3.0L
ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=30.5km az=40.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=18.3km s-min=6.2km az=161.0.
OMAN Error ellipse: s-maj=1.1km s-min=0.5km az=2.0.
ISC X 31 09 39 23.8–1.5 27.32N–.06 52.63E–.07 14 25 0-8
TEH X 31 09 39 21.4 27.33N 52.55E 16 3.5L ¶624418610
DSN X 31 09 39 25.8–.99 27.37N 52.89E 10 3.1L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=14.5km s-min=8.9km az=17.0.
ISC XI 09 17 10 29.1–1.0 29.73N–.05 50.64E–.06 10 34 1-13
TEH XI 09 17 10 28.5 29.71N 50.64E 17 3.2L ¶621743077
OMAN XI 09 17 10 51.0–2.3 28.23N 51.55E 10 3.6b,3.3L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=25.6km s-min=6.8km az=145.0.
ISC XI 01 15 48 43.9–1.7 27.31N–.05 55.19E–.07 24–13 3.4b 60 1-91
DSN XI 01 15 48 41.5–1.1 27.56N 55.12E 14–30 3.3L ¶621743006
TEH XI 01 15 48 41.3 27.32N 55.23E 6 3.2L
OMAN XI 01 15 48 49.5–1.7 26.95N 55.24E 10 3.1L,3.0b
IDC XI 01 15 49 43.6–3.6 33.07N 59.98E 0 3.6,3.5L
ISC Event type se.
DSN Error ellipse: s-maj=32.6km s-min=7.8km az=2.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=14.9km s-min=11.0km az=15.0.
IDC Error ellipse: s-maj=93.0km s-min=35.6km az=87.0.
ISC XI 03 14 52 51.1–.97 25.73N–.04 57.57E–.03 14–9 44 0-5
TEH XI 03 14 52 49.3 25.73N 57.58E 23 2.8L ¶621743023
DSN XI 03 14 52 51.3–.83 25.66N 57.54E 10 3.0L
OMAN XI 03 14 52 51.6–.81 25.75N 57.54E 14–10 2.7L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=9.8km s-min=4.1km az=24.0.

OMAN Error ellipse: s-maj=9.7km s-min=3.6km az=35.0.
ISC XI 10 14 39 52.7–1.0 27.70N–.04 59.07E–.04 10 34 1-5
TEH XI 10 14 39 52.5 27.88N 59.10E 23 2.9L ¶621743094
OMAN XI 10 14 39 56.9–2.1 27.40N 59.06E 10 3.1L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=16.6km s-min=9.9km az=9.0.
ISC XI 13 10 19 48.7–.40 28.02N–.04 52.15E–.04 10 4.3b,3.5s 272 1-95
MOS XI 13 10 19 46.3–.97 27.91N 52.26E 14 4.5b,3.5s ¶621402731
IDC XI 13 10 19 46.7–.88 27.95N 52.18E 0 4.2b,4.2
NEIC XI 13 10 19 48.3–.97 28.08N–.05 52.21E–.09 10–1 4.3b,4.2
TEH XI 13 10 19 48.7 28.01N 52.04E 18 3.9L,4.2
OMAN XI 13 10 19 50.9–.09 27.99N 52.23E 10 4.2L,3.8b
DSN XI 13 10 19 55.6–1.1 27.70N 52.48E 10 3.7L,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=4.9km az=97.4.
IDC Error ellipse: s-maj=22.1km s-min=14.5km az=10.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=5.0km az=242.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.8km s-min=0.7km az=341.0.
DSN Error ellipse: s-maj=13.5km s-min=8.1km az=176.0.
ISC XI 11 21 36 56.7–.99 27.31N–.04 57.96E–.04 10 61 1-12
TEH XI 11 21 36 56.3 27.34N 57.99E 10 2.8L ¶621743103
DSN XI 11 21 36 59.3–1.9 27.36N 58.11E 30 3.0L
OMAN XI 11 21 37 01.1–1.3 27.07N 57.86E 10 3.8b,3.3L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=27.1km s-min=13.0km az=166.0.
OMAN Error ellipse: s-maj=11.6km s-min=8.5km az=24.0.
ISC XI 13 01 43 45.9–.51 28.00N–.03 52.28E–.04 15 3.9b 107 1-81
IDC XI 13 01 43 42.8–2.4 27.97N 52.16E 0 3.8b,3.7 ¶621468574
NEIC XI 13 01 43 45.4–1.6 28.1N–.10 52.23E–.06 10–2 4.0b,3.7
DSN XI 13 01 43 45.1–.14 28.08N 52.17E 10 3.3L,3.7
TEH XI 13 01 43 46.3 28.04N 52.20E 17 3.4L,3.7
OMAN XI 13 01 43 49.6–1.2 27.93N 52.55E 10 3.4b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=24.8km az=163.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=8.3km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=3.7km s-min=1.2km az=356.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=12.6km s-min=6.6km az=5.0.
ISC XI 14 14 13 57.1–1.6 27.55N–.04 56.21E–.05 4–10 3.4b 67 0-91
OMAN XI 14 14 13 54.8–1.2 27.78N 56.20E 10 3.6b,3.4L ¶621468695
IDC XI 14 14 13 56.2–1.7 27.46N 56.48E 0 3.6b,3.6
TEH XI 14 14 13 57.4 27.50N 56.21E 12 3.6L,3.6
DSN XI 14 14 13 58.9–1.2 27.53N 56.32E 10 3.5L,3.6
ISC Event type se.
OMAN Error ellipse: s-maj=10.9km s-min=9.0km az=17.0.
IDC Error ellipse: s-maj=35.4km s-min=28.1km az=36.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=32.2km s-min=11.4km az=96.0.
ISC XI 13 20 52 21.1–.28 28.42N–.03 54.10E–.03 10 4.5b,3.7s 572 0-118
BJI XI 13 20 52 14.1 28.12N 53.54E 10 4.9b,4.5b ¶621402829
MOS XI 13 20 52 18.4–1.0 28.26N 54.12E 10 4.8b,4.5b
TEH XI 13 20 52 18.9 28.35N 54.13E 5 4.5L,4.5b
IDC XI 13 20 52 19.0–.56 28.31N 54.10E 0 4.3b,4.3
NEIC XI 13 20 52 21.2–.89 28.43N–.07 54.08E–.08 10–1 4.6b,4.3
GFZ XI 13 20 52 23.0–.28 28N–4.0 54E–3.0 10 4.8b,4.7b
OMAN XI 13 20 52 24.2–.10 28.29N 54.15E 12–2 4.5L,3.8b
DSN XI 13 20 52 26.8–1.9 28.06N 54.16E 10 4.2L,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=5.5km s-min=3.6km az=113.8.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=14.0km s-min=10.7km az=174.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.1km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
OMAN Error ellipse: s-maj=5.1km s-min=1.0km az=1.0.
DSN Error ellipse: s-maj=21.6km s-min=7.2km az=3.0.
IDC XI 14 14 14 15.9–2.0 27.81N 56.66E 0 3.8b,3.8
¶621468698
IDC Error ellipse: s-maj=131.1km s-min=28.7km az=42.0.
ISC XI 14 14 24 13.2–2.9 27.53N–.04 56.30E–.04 13–20 4.1b 71 0-87
IDC XI 14 14 24 08.8–3.7 27.16N 56.29E 0 3.9b,3.9 ¶621468700
NEIC XI 14 14 24 13.9–1.9 27.66N–.08 56.3E–.10 10–1 4.2b,3.9
TEH XI 14 14 24 13.8 27.58N 56.17E 13 3.8L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=71.1km s-min=24.2km az=170.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=13.7km az=291.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
ISC XI 14 13 01 09.7–.76 27.43N–.09 56.0E–.10 15 3.9b 37 2-88
IDC XI 14 13 01 09.3–6.2 27.26N 56.12E 0 3.8b,3.8 ¶621468678
NEIC XI 14 13 01 10.2–.45 27.68N–.10 56.1E–.20 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 14 39 33.4–.77 27.7N–.10 56.3E–.10 10 4.0b 20 3-89
IDC XI 14 14 39 29.1–24 27.29N 56.14E 0 4.4s,3.6b ¶621468701
NEIC XI 14 14 39 34.0–.71 27.65N–.04 56.4E–.20 10–1 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 15 05 50.1–.84 27.62N–.05 56.15E–.07 15 3.6b 49 1-39
TEH XI 14 15 05 45.8 27.52N 55.84E 6 2.7L ¶621468704
IDC XI 14 15 05 47.3–14 27.57N 56.18E 0 3.6b,3.6
OMAN XI 14 15 05 53.2–1.4 27.42N 56.11E 10 4.1b,3.0L
DSN XI 14 15 05 56.3–2.1 27.18N 56.34E 10 2.9L,3.0L
ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=288.7km s-min=35.0km az=178.0.
OMAN Error ellipse: s-maj=13.9km s-min=10.8km az=43.0.
DSN Error ellipse: s-maj=28.4km s-min=20.9km az=113.0.
ISC XI 14 13 05 48.4–1.3 27.70N–.03 56.26E–.05 8–9 4.2b 102 0-91
IDC XI 14 13 05 46.8–1.0 27.63N 56.16E 0 3.9,3.8b ¶621468679
TEH XI 14 13 05 48.4 27.53N 56.25E 9 3.6L,3.8b
NEIC XI 14 13 05 49.1–1.3 27.73N–.07 56.2E–.10 10–1 4.4b,3.8b
OMAN XI 14 13 05 49.7–1.4 27.70N 56.17E 10 4.3b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=20.7km az=23.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=11.8km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=16.8km s-min=11.1km az=117.0.
ISC XI 14 15 41 39.9–2.9 27.54N–.08 56.29E–.07 10–20 3.3b 10 0-53
IDC XI 14 15 41 37.8–3.0 27.37N 56.12E 0 3.6b,3.6 ¶621468707
TEH XI 14 15 41 38.3 27.65N 56.32E 10 2.8L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=72.7km s-min=29.8km az=155.0.
TEH Event type se. Presumed earthquake.
ISC XI 14 12 07 04.0–.35 27.69N–.02 56.10E–.02 12–1 6.2s,6.0b 2609 0-167
BJI XI 14 12 07 01.7 27.65N 56.05E 10 6.4s,6.3b ¶621403058
MOS XI 14 12 07 01.6–.99 27.65N 56.12E 10 6.2s,6.2b
IDC XI 14 12 07 02.0–.33 27.66N 56.11E 0 5.7b,5.7
DSN XI 14 12 07 02.3–1.6 27.85N 56.08E 10 6.1L,5.7
ISC-P XI 14 12 07 03 27.72N 56.07E 17–0 6.2,5.7
NEIC XI 14 12 07 03.6–1.5 27.72N–.06 56.07E–.08 9–1 6.0,6.0b
NEIC XI 14 12 07 03.5 27.72N 56.06E 7 6.0,6.0b
IPGP XI 14 12 07 03.0 27.72N 56.07E 10 6.0W,6.0b
OMAN XI 14 12 07 03.9–1.4 27.68N 56.04E 5–10 6.5,6.1L
THR XI 14 12 07 04.0–.00 27.67N 56.08E 14–5 6.3L,6.1L
TEH XI 14 12 07 04.4 27.57N 56.08E 20 6.2L,6.1L
GFZ XI 14 12 07 04.1 27.69N 56.09E 10 6.0W,6.1L
GFZ XI 14 12 07 04.6–.09 28N–2.0 56E–1.0 10 6.4b,6.1
GCMT XI 14 12 07 04.5–.10 27.57N–.01 55.98E–.01 17–0 6.1W,6.1
PTWC XI 14 12 07 07 27.60N 56.10E 6.4,6.1
BGR XI 14 12 07 20.2 27.78N 53.67E 33 5.6b,6.1
ISC Event type ke.
MOS Error ellipse: s-maj=4.2km s-min=2.8km az=112.2. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s81.00000°,δ58.00000°,λ89.00000°. NP2:
ϕ_s264.00000°,δ32.00000°,λ92.00000°. Principal axes: T Plg77.0000°,Azm347.0000°
; N Plg1.0000°,Azm82.0000°; P Plg13.0000°,Azm172.0000°
IDC Error ellipse: s-maj=10.3km s-min=8.4km az=16.0.
DSN Error ellipse: s-maj=19.1km s-min=8.5km az=41.0.
ISC-P Moment Tensor Solution. s54 Moment tensor: Scale 10^{18}Nm; M_{rr}0.72±.16 $M_{\theta\theta}$-0.13±.12;
$M_{\phi\phi}$0.56±.08; $M_{r\theta}$0.03±.12; $M_{\theta\phi}$0.23±.09; $M_{\theta r}$-0.12±.16; NP1:ϕ_s50.00000°,δ59.40000°
,λ47.30000°. NP2:ϕ_s291.10000°,δ50.80000°,λ138.90000°. M_o2.09000×10^{18}
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.4km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.97 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$-0.13 $M_{r\theta}$-0.64
$M_{\theta\phi}$0.00 $M_{\theta r}$-0.01 NP1:ϕ_s90.65000°,δ27.36000°,λ90.75000°. NP2:ϕ_s269.81000°,δ62.64000°
,λ89.61000°. Principal axes: T 1.1754,Plg72.0000°,Azm179.0000°; N -0.1297,Plg0.0000°
,Azm270.0000°; P -1.0457,Plg18.0000°,Azm0.0000° M_o1.12000×10^{18}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s97.00000°,δ34.00000°,λ95.00000°. NP2:ϕ_s271.00000°
,δ56.00000°,λ87.00000°.
OMAN Error ellipse: s-maj=4.6km s-min=3.8km az=16.0.
THR Event type se. Error ellipse: s-maj=2.1km s-min=2.1km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{18}Nm; M_{rr}1.10 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$0.07 $M_{r\theta}$-0.72 $M_{\theta\phi}$-0.02 $M_{\theta r}$0.08 NP1:
ϕ_s84.99265°,δ28.94451°,λ82.80554°. NP2:ϕ_s273.20091°,δ61.30467°,λ93.96207°.
Principal axes: T 1.3125,Plg73.3955°,Azm193.0454°; N 0.0598,Plg3.4748°,Azm91.2962°
; P -1.3723,Plg16.2162°,Azm0.2843° M_o1.34342×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. ID: C202111141207A. Moment Tensor Solution.
s163,c335; s163,c404;Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}1.44±.01
$M_{\theta\theta}$-1.41±.02; $M_{\phi\phi}$-0.03±.01; $M_{r\theta}$-0.53±.04; $M_{\theta\phi}$0.09±.01; $M_{\theta r}$-0.29±.04; Best double couple:
NP1:ϕ_s105.00000°,δ36.00000°,λ108.00000°. NP2:ϕ_s262.00000°,δ56.00000°,λ77.00000°.
Principal axes: T 1.5920,Plg75.0000°,Azm134.0000°; N -0.0890,Plg11.0000°,Azm270.0000°
; P -1.5050,Plg10.0000°,Azm2.0000° M_o1.54800×10^{18}
BGR Event type ke.
ISC XI 14 13 13 14.1–.64 27.85N–.03 56.14E–.06 10 3.7b 51 0-45
OMAN XI 14 13 13 12.1–1.2 27.96N 56.24E 10 4.0L,3.9b ¶621468680
IDC XI 14 13 13 15.3–13 27.99N 56.11E 0 3.7b,3.7
TEH XI 14 13 13 15.9 27.57N 56.16E 20 4.0L,3.7
ISC Event type se.
OMAN Error ellipse: s-maj=18.8km s-min=10.4km az=101.0.
IDC Error ellipse: s-maj=267.9km s-min=29.1km az=178.0.
TEH Event type se. Presumed earthquake.
ISC XI 14 15 12 07.8–.65 27.60N–.03 56.26E–.03 12–4 4.4b 391 0-117
MOS XI 14 15 12 05.2–.96 27.53N 56.19E 13 4.7b ¶621403072
IDC XI 14 15 12 05.4–.52 27.60N 56.20E 0 4.3b,4.3
DSN XI 14 15 12 06.2–1.2 27.84N 56.23E 10 4.5L,4.3
THR XI 14 15 12 07.8–.00 27.63N 56.14E 8–2 4.5L,4.3
NEIC XI 14 15 12 07.6–.93 27.66N–.07 56.12E–.09 10–1 4.5b,4.3
GFZ XI 14 15 12 08.1–.24 28N–4.0 56E–2.0 10 5.9,5.9b
TEH XI 14 15 12 08.0 27.59N 56.26E 14 4.3L,5.9b
OMAN XI 14 15 12 09.9–.83 27.54N 56.20E 10 4.4b,4.3L
ISC Event type se.
MOS Error ellipse: s-maj=6.6km s-min=4.9km az=100.0.
IDC Error ellipse: s-maj=12.9km s-min=11.7km az=172.0.
DSN Error ellipse: s-maj=13.7km s-min=7.7km az=46.0.
THR Event type se. Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=12.1km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=7.2km s-min=6.1km az=27.0.
ISC XI 14 13 13 43.3–.54 27.61N–.08 56.12E–.08 15 4.2b 96 3-91
IDC XI 14 13 13 40.4–1.2 27.54N 56.11E 0 4.0b,4.0 ¶621468683
NEIC XI 14 13 13 43.0–1.0 27.61N–.08 56.2E–.10 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 15 22 18.4–.57 27.55N–.02 56.15E–.03 9–3 4.5b,4.1s 516 0-117
IDC XI 14 15 22 15.8–.63 27.50N 56.12E 0 4.2b,4.2 ¶621403074
MOS XI 14 15 22 16.4–.88 27.49N 56.11E 13 4.7b,4.2
THR XI 14 15 22 18.4–.00 27.63N 56.15E 12–374 4.5L,4.2
NEIC XI 14 15 22 19.0–1.1 27.64N–.08 56.09E–.04 10–1 4.6b,4.2
GFZ XI 14 15 22 19.6–.27 28N–4.0 56E–2.0 10 5.6b,5.1
TEH XI 14 15 22 19.2 27.52N 56.13E 14 4.3L,5.1
DSN XI 14 15 22 20.7–.91 27.54N 55.96E 10 4.4L,5.1
OMAN XI 14 15 22 20.8–1.2 27.50N 56.07E 10 4.6L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=12.1km az=16.0.
MOS Error ellipse: s-maj=6.9km s-min=4.2km az=110.5.
THR Event type se. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=5.4km az=7.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.1km s-min=5.1km az=173.5. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=13.9km s-min=4.3km az=57.0.
OMAN Error ellipse: s-maj=11.2km s-min=5.2km az=21.0.
ISC XI 14 13 27 15.9–1.0 27.76N–.08 56.1E–.20 10 3.5b 10 2-39
IDC XI 14 13 27 14.9–21 27.82N 56.09E 0 3.5b,3.5 ¶621468685
DSN XI 14 13 27 18.4–1.6 27.46N 55.37E 10 2.9L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=439.4km s-min=37.4km az=180.0.
DSN Error ellipse: s-maj=47.8km s-min=11.8km az=55.0.
ISC XI 14 13 28 53.2–1.8 27.5N–.30 56.2E–.20 15 3.5b 7 22-91
IDC XI 14 13 28 50.8–2.2 27.45N 56.23E 0 3.6b,3.6 ¶621468686
ISC Event type se.
IDC Error ellipse: s-maj=50.3km s-min=27.4km az=16.0.
ISC XI 14 13 35 58.2–1.6 27.4N–.20 56.3E–.20 18 3.5b 8 22-90
IDC XI 14 13 35 55.3–2.0 27.34N 56.30E 0 3.6b,3.6 ¶621468688
ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=28.5km az=5.0.
ISC XI 14 13 39 50.9–1.6 27.5N–.20 56.2E–.20 15 3.5b 10 21-91
IDC XI 14 13 39 48.5–1.6 27.45N 56.14E 0 3.6b,3.6 ¶621468689
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=25.4km az=35.0.
ISC XI 14 13 45 00.9–.46 27.54N–.05 56.20E–.05 15 3.9b 71 0-91
IDC XI 14 13 44 58.0–1.2 27.50N 56.12E 0 3.8b,3.8 ¶621403073
NEIC XI 14 13 45 00.8–1.9 27.52N–.08 56.23E–.10 10–1 4.1b,3.8
TEH XI 14 13 45 00.8 27.52N 56.14E 19 3.6L,3.8

ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=18.2km az=20.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=13.4km az=238.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
ISC XI 14 15 59 12.3–.37 27.56N–.03 56.06E–.04 15 4.2b,3.4s 221 0-91
MOS XI 14 15 59 09.4–1.5 27.38N 56.08E 13 4.5b,3.4s **¶621403078**
IDC XI 14 15 59 09.7–.99 27.60N 56.04E 0 3.9b,3.9
OMAN XI 14 15 59 10.9–2.5 27.76N 56.14E 10 4.1b,3.9L
TEH XI 14 15 59 11.7 27.52N 56.11E 16 4.0L,3.9L
NEIC XI 14 15 59 11.8–1.2 27.64N–.08 56.00E–.10 10–1 4.4b,3.9L
GFZ XI 14 15 59 12.6–.31 28N–5.0 56E–3.0 10 5.2b,4.6
DSN XI 14 15 59 14.4–1.4 27.54N 55.90E 10 3.9L,4.6
ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=5.6km az=91.3.
IDC Error ellipse: s-maj=23.2km s-min=15.5km az=2.0.
OMAN Error ellipse: s-maj=26.5km s-min=17.6km az=161.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=13.8km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.9km s-min=5.8km az=170.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
DSN Error ellipse: s-maj=16.1km s-min=8.7km az=38.0.
ISC XI 14 16 10 09.7–.49 27.72N–.03 56.22E–.05 15 3.7b 64 0-91
IDC XI 14 16 10 06.4–1.2 27.57N 56.16E 0 4.3L,3.6b **¶621468709**
NEIC XI 14 16 10 08.0–.60 27.49N–.08 56.3E–.10 10–1 4.1b,3.6b
OMAN XI 14 16 10 08.0–2.2 27.90N 56.20E 10 3.4b,3.2L
TEH XI 14 16 10 08.2 27.59N 56.16E 14 3.5L,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=20.4km az=174.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=12.4km az=292.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=25.6km s-min=19.3km az=108.0.
TEH Event type se. Presumed earthquake.
ISC XI 14 16 11 15.9–1.2 27.6N–.20 56.2E–.10 15 3.6b 15 21-91
IDC XI 14 16 11 13.5–1.2 27.60N 56.19E 0 3.7b,3.7 **¶621468710**
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=19.5km az=1.0.
ISC XI 14 15 34 30.2–.89 27.72N–.08 56.14E–.07 10 3.5b 13 0-91
IDC XI 14 15 34 27.0–1.5 27.48N 56.33E 0 3.6b,3.6 **¶621468706**
TEH XI 14 15 34 31.8 27.77N 56.17E 14 2.8L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=25.6km az=164.0.
TEH Event type se. Presumed earthquake.
ISC XI 14 13 46 27.9–4.4 27.4N–.60 56.1E–.20 15 3.5b 9 22-51
IDC XI 14 13 46 25.7–4.7 27.34N 56.12E 0 3.6b,3.6 **¶621468691**
ISC Event type se.
IDC Error ellipse: s-maj=92.6km s-min=27.0km az=170.0.
ISC XI 14 13 51 41.3–.59 27.59N–.05 56.25E–.07 10 3.8b 51 2-84
IDC XI 14 13 51 37.6–7.8 27.51N 56.16E 0 4.2s,3.7 **¶621468692**
NEIC XI 14 13 51 41.9–.50 27.7N–.10 56.30E–.08 10–1 4.0b,3.7
OMAN XI 14 13 51 43.8–1.8 27.48N 56.24E 10 3.7b,3.0L
ISC Event type se.
IDC Error ellipse: s-maj=140.3km s-min=34.2km az=178.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=10.8km az=340.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=16.3km s-min=11.8km az=172.0.
ISC XI 14 17 31 53.6–1.6 27.69N–.04 56.26E–.05 7–11 3.4b 66 0-53
IDC XI 14 17 31 51.1–2.7 27.44N 56.18E 0 3.7b,3.7 **¶621468718**
TEH XI 14 17 31 53.4 27.57N 56.26E 10 2.8L,3.7
OMAN XI 14 17 31 54.6–.08 27.64N 56.13E 10 3.6b,3.3L
DSN XI 14 17 31 55.5–1.1 27.61N 56.21E 10 3.2L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=64.0km s-min=26.2km az=154.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.5km s-min=1.3km az=328.0.
DSN Error ellipse: s-maj=14.8km s-min=9.7km az=70.0.
ISC XI 14 13 56 16.3–.81 27.74N–.07 56.2E–.10 10 3.6b 18 2-91
IDC XI 14 13 56 14.3–1.6 27.68N 56.43E 0 3.5b,3.5 **¶621468693**
OMAN XI 14 13 56 16.6–.83 27.75N 55.89E 10 4.2b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=25.9km az=32.0.
OMAN Error ellipse: s-maj=9.5km s-min=7.5km az=106.0.
OMAN XI 14 14 02 14.6–2.1 27.35N 56.52E 10 3.9L
¶621403068
OMAN Error ellipse: s-maj=32.9km s-min=12.1km az=119.0.
ISC XI 14 12 08 38.2–.34 27.66N–.02 56.19E–.02 12–1 6.4s,6.2b 2011 0-154
BJI XI 14 12 08 35.9 27.65N 56.10E 10 6.5s,6.4b **¶621403060**
THR XI 14 12 08 36.9–.00 27.57N 56.37E 15–6 6.4L,6.4b
IDC XI 14 12 08 36.3–.33 27.72N 56.21E 0 6.1b,6.1
MOS XI 14 12 08 36.3–1.1 27.67N 56.21E 10 6.5b,6.2s
GFZ XI 14 12 08 37.6 27.58N 56.21E 12 6.1W,6.2s
GFZ XI 14 12 08 37.6–.08 28N–2.0 56E–1.0 10 6.7b,6.5
ISC-P XI 14 12 08 38 27.73N 56.07E 15–0 6.6,6.5
NEIC XI 14 12 08 38.8 27.73N 56.07E 10 6.6,6.5
TEH XI 14 12 08 38.1 27.54N 56.17E 10 6.3L,6.5
NEIC XI 14 12 08 38.8–1.8 27.73N–.06 56.07E–.08 10–1 6.4,6.4
DSN XI 14 12 08 39.5–.17 27.59N 55.59E 10 5.7L,6.4
GCMT XI 14 12 08 39.6–.10 27.54N 56.03E 14–0 6.1W,6.4
OMAN XI 14 12 08 43.9–1.9 27.54N 57.57E 10 6.5L,6.4
BGR XI 14 12 08 47.8 27.12N 54.48E 33 6.0s,5.9b
ISC Event type ke.
THR Event type se. Error ellipse: s-maj=3.8km s-min=3.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=9.6km s-min=6.8km az=21.0.
MOS Error ellipse: s-maj=4.6km s-min=3.0km az=113.4. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s86.00000°,δ11.00000°,λ34.00000°. NP2: ϕ_s322.00000°,δ84.00000°,λ99.00000°. Principal axes: T Plg50.0000°,Azm243.0000° ; N Plg9.0000°,Azm141.0000°; P Plg38.0000°,Azm44.0000°
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.37 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$0.10 $M_{r\theta}$-0.98 $M_{\theta\phi}$-0.09 $M_{\phi r}$0.15 NP1: ϕ_s79.36724°,δ28.21831°,λ77.25492°. NP2:ϕ_s273.76390°,δ62.53656°,λ96.75142°. Principal axes: T 1.6976,Plg71.6542°,Azm199.0779°; N 0.0812,Plg5.9876°,Azm90.6389° ; P -1.7787,Plg17.2753°,Azm358.7696° $M_0$1.73956×10^{18}
GFZ Error ellipse: s-maj=3.9km s-min=2.2km az=25.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC-P Moment Tensor Solution. s54 Moment tensor: Scale 10^{18}Nm; M_{rr}0.63±.15 $M_{\theta\theta}$-0.61±.18; $M_{\phi\phi}$-0.02±.19; $M_{r\theta}$0.17±.17; $M_{\theta\phi}$0.21±.15; $M_{\phi r}$0.21±.33; NP1:ϕ_s88.60000°,δ52.50000° ,λ64.00000°. NP2:ϕ_s307.30000°,δ44.50000°,λ119.70000°. $M_0$9.55000×10^{18}
NEIC Event type se.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.6km az=272.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.92 $M_{\theta\theta}$-0.92 $M_{\phi\phi}$-0.00 $M_{r\theta}$-3.90 $M_{\theta\phi}$-0.68 $M_{\phi r}$1.60 NP1:ϕ_s289.27000°,δ85.46000°,λ101.07000°. NP2:ϕ_s41.31000°,δ11.96000° ,λ22.47000°. Principal axes: T 4.6188,Plg48.0000°,Azm211.0000°; N -0.5562,Plg11.0000° ,Azm108.0000°; P -4.0625,Plg39.0000°,Azm9.0000° $M_0$4.37000×10^{18}
DSN Error ellipse: s-maj=18.4km s-min=2.9km az=256.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111141208A. Moment Tensor Solution. s145,c289; s163,c405;Duration: 2s8 Moment tensor: Scale 10^{18}Nm; M_{rr}1.40±.02 $M_{\theta\theta}$-1.67±.02; $M_{\phi\phi}$0.26±.01; $M_{r\theta}$-1.21±.05; $M_{\theta\phi}$-0.12±.01; $M_{\phi r}$0.21±.03; Best double couple: NP1:ϕ_s75.00000°,δ27.00000°,λ72.00000°. NP2:ϕ_s276.00000°,δ65.00000°,λ99.00000°. Principal axes: T 1.8540,Plg69.0000°,Azm204.0000°; N 0.2350,Plg8.0000°,Azm92.0000° ; P -2.0900,Plg19.0000°,Azm359.0000° $M_0$1.97200×10^{18}
OMAN Error ellipse: s-maj=17.1km s-min=15.4km az=148.0.
BGR Event type ke.
IDC XI 14 17 34 16.8–2.7 27.25N 56.20E 0 3.5b,3.5
¶621468719
IDC Error ellipse: s-maj=75.2km s-min=29.5km az=161.0.
ISC XI 14 16 19 57.4–.51 27.59N–.03 56.16E–.03 9–3 4.6b,3.6s 523 0-120
IDC XI 14 16 19 55.5–.52 27.60N 56.20E 0 4.3b,4.3 **¶621403075**
MOS XI 14 16 19 55.0–1.0 27.50N 56.12E 11 4.8b,4.3
OMAN XI 14 16 19 56.8–1.7 27.76N 56.31E 10 4.3b,4.3L
TEH XI 14 16 19 57.4 27.51N 56.15E 19 4.4L,4.3L
THR XI 14 16 19 57.4–.00 27.60N 56.17E 18–2 4.5L,4.3L
NEIC XI 14 16 19 57.8–1.1 27.64N–.06 56.10E–.05 10–1 4.7b,4.3L
GFZ XI 14 16 19 58.1–.26 28N–4.0 56E–2.0 10 5.3b,4.7
DSN XI 14 16 19 58.4–.45 27.64N 56.15E 10 4.8b,4.3L
BJI XI 14 16 19 59.0 27.68N 56.61E 10 4.7b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=10.7km az=172.0.
MOS Error ellipse: s-maj=6.7km s-min=4.4km az=103.7.
OMAN Error ellipse: s-maj=20.0km s-min=10.4km az=28.0.
TEH Event type se. Presumed earthquake.
THR Event type se. Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=4.5km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.8km s-min=4.8km az=173.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
DSN Error ellipse: s-maj=7.0km s-min=4.6km az=99.0.
ISC XI 14 17 36 39.4–1.5 27.69N–.05 55.9E–.10 15 13 0-3
TEH XI 14 17 36 38.3 27.65N 55.80E 10 2.7L **¶624418731**
DSN XI 14 17 36 45.1–1.4 27.54N 55.96E 10 2.8L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=44.0km s-min=13.0km az=79.0.
ISC XI 14 17 40 57.8–1.2 27.59N–.04 56.13E–.04 14–8 3.4b 85 0-91
IDC XI 14 17 40 54.9–1.2 27.49N 56.04E 0 3.6,3.5b **¶621468720**
TEH XI 14 17 40 57.6 27.56N 56.19E 14 3.4L,3.5b
DSN XI 14 17 40 58.1–2.1 27.70N 55.94E 10 3.4L,3.5b
OMAN XI 14 17 41 00.5–.06 27.50N 56.19E 10 3.3L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=24.7km az=165.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=26.4km s-min=16.4km az=51.0.
OMAN Error ellipse: s-maj=1.1km s-min=0.8km az=5.0.
ISC XI 14 17 50 23.8–1.0 27.54N–.03 56.18E–.04 17–7 3.6b,3.2s 85 0-91
IDC XI 14 17 50 21.6–1.4 27.67N 56.06E 0 3.7b,3.7 **¶621468723**
TEH XI 14 17 50 23.6 27.53N 56.17E 16 3.5L,3.7
DSN XI 14 17 50 26.3–.99 27.50N 55.86E 10 3.6L,3.7
OMAN XI 14 17 50 27.9–1.7 27.36N 56.10E 10 3.5b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=19.2km az=171.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=13.9km s-min=7.2km az=54.0.
OMAN Error ellipse: s-maj=14.2km s-min=10.3km az=11.0.
ISC XI 14 16 34 11.7–1.6 27.65N–.04 56.29E–.04 2–11 3.4b 80 0-63
IDC XI 14 16 34 11.1–1.3 27.51N 56.43E 0 3.6,3.5b **¶621468713**
DSN XI 14 16 34 12.7–1.2 27.70N 56.21E 10 3.2L,3.5b
OMAN XI 14 16 34 12.1–1.2 27.69N 56.28E 10 3.8b,3.2L
TEH XI 14 16 34 13.2 27.51N 56.24E 18 3.3L,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=19.9km az=139.0.
DSN Error ellipse: s-maj=47.2km s-min=11.8km az=92.0.
OMAN Error ellipse: s-maj=9.8km s-min=7.3km az=6.0.
TEH Event type se. Presumed earthquake.
ISC XI 14 12 23 27.0–2.1 27.50N–.07 56.32E–.10 7–13 3.8b 31 1-90
IDC XI 14 12 23 24.3–1.4 27.61N 56.01E 0 3.9b,3.9 **¶621468669**
DSN XI 14 12 23 29.6–1.2 27.45N 55.88E 10 3.6L,3.9
OMAN XI 14 12 23 33.2–1.4 27.25N 56.09E 10 3.3L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=18.6km az=8.0.
DSN Error ellipse: s-maj=15.5km s-min=8.8km az=48.0.
OMAN Error ellipse: s-maj=12.2km s-min=9.6km az=48.0.
ISC XI 14 14 02 56.1–.54 27.62N–.03 56.14E–.03 10–3 4.7b,4.1s 741 0-120
IDC XI 14 14 02 53.9–.53 27.59N 56.12E 0 4.5b,4.5 **¶621743157**
BJI XI 14 14 02 54.8 27.75N 56.23E 7 4.5s,4.3b
MOS XI 14 14 02 54.3–1.1 27.58N 56.11E 12 5.0b,4.3b
TEH XI 14 14 02 56.4 27.59N 56.14E 17 4.6L,4.3b
NEIC XI 14 14 02 56.5–1.4 27.70N–.07 55.99E–.08 10–1 4.8b,4.3b
THR XI 14 14 02 56.1–.00 27.64N 56.11E 12–3 4.6L,4.3b
DSN XI 14 14 02 57.1–.43 27.72N 56.03E 10 5.0b,4.6L
GFZ XI 14 14 02 57.1–.17 28N–3.0 56E–2.0 10 5.9,5.8
OMAN XI 14 14 03 03.0–1.1 27.27N 56.14E 10 4.6b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=10.8km az=167.0.
MOS Error ellipse: s-maj=5.2km s-min=3.4km az=104.6.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.6km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THR Event type se. Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0. Presumed earthquake.
DSN Error ellipse: s-maj=6.6km s-min=3.7km az=70.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
OMAN Error ellipse: s-maj=8.9km s-min=5.7km az=4.0.
ISC XI 14 17 58 13.3–1.1 27.62N–.03 56.21E–.04 15–7 3.6b 83 0-91
IDC XI 14 17 58 10.1–1.1 27.53N 56.09E 0 3.8,3.7b **¶621468724**
OMAN XI 14 17 58 13.8–1.5 27.69N 56.50E 10 3.4L,3.3b
TEH XI 14 17 58 13.0 27.59N 56.19E 11 3.7L,3.3b
DSN XI 14 17 58 14.3–1.1 27.70N 56.33E 10 3.2L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=18.2km az=174.0.
OMAN Error ellipse: s-maj=12.2km s-min=11.0km az=125.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=67.7km s-min=9.2km az=98.0.
ISC XI 14 12 23 47.3–.54 27.59N–.08 56.04E–.08 15 4.3b 70 3-91
IDC XI 14 12 23 45.6–.84 27.61N 56.06E 0 4.1b,4.1 **¶621468672**
NEIC XI 14 12 23 46.7–1.2 27.58N–.08 56.0E–.10 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 12 30 53.3–1.8 27.7N–.20 56.5E–.20 18 3.6b 10 21-90
IDC XI 14 12 30 50.4–2.2 27.67N 56.47E 0 3.7,3.6b **¶621468673**
ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=26.9km az=9.0.
ISC XI 14 18 01 12.9–.68 27.47N–.07 56.12E–.06 15 3.5b 25 0-53
IDC XI 14 18 01 09.8–2.3 27.40N 56.17E 0 3.7L,3.7 **¶621468725**
TEH XI 14 18 01 11.7 27.57N 56.14E 8 3.5L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=48.0km s-min=21.8km az=161.0.
TEH Event type se. Presumed earthquake.
ISC XI 14 12 40 18.7–1.5 27.5N–.20 56.0E–.20 15 3.9b 13 21-91
IDC XI 14 12 40 16.4–1.3 27.51N 56.04E 0 4.8s,3.9b **¶621403061**
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=20.8km az=32.0.
ISC XI 14 18 18 39.2–1.1 27.59N–.04 56.15E–.04 28–8 3.6b 96 0-86
IDC XI 14 18 18 34.1–1.9 27.54N 56.25E 0 3.7b,3.7 **¶621468726**
TEH XI 14 18 18 38.6 27.58N 56.16E 20 3.6L,3.7
DSN XI 14 18 18 39.5–1.7 27.65N 56.19E 10 3.5L,3.7
OMAN XI 14 18 18 41.5–.06 27.43N 56.16E 10 3.8b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=18.3km az=166.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=25.5km s-min=15.6km az=78.0.

OMAN Error ellipse: s-maj=1.2km s-min=0.7km az=5.0.
ISC XI 14 12 40 51.7–.44 27.63N–.05 56.14E–.05 15 4.3b 135 0-91
IDC XI 14 12 40 49.9–1.1 27.64N 56.14E 0 4.1b,4.1 **¶621468674**
MOS XI 14 12 40 49.4–.92 27.59N 56.07E 12 4.7b,4.1
NEIC XI 14 12 40 51.5–1.3 27.68N–.08 56.03E–.10 10–1 4.4b,4.1
TEH XI 14 12 40 52.6 27.55N 56.21E 19 4.2L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=17.5km az=9.0.
MOS Error ellipse: s-maj=8.3km s-min=5.8km az=93.4.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=13.3km az=255.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
ISC XI 14 12 47 57.2–1.6 27.6N–.30 56.3E–.20 18 3.5b 8 22-91
IDC XI 14 12 47 54.4–1.6 27.57N 56.28E 0 3.6b,3.6 **¶621468676**
ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=26.0km az=38.0.
ISC XI 14 17 01 19.0–.59 27.60N–.04 56.23E–.04 21–2 3.6b 74 0-91
IDC XI 14 17 01 15.0–1.5 27.59N 56.20E 0 3.7b,3.7 **¶621468714**
TEH XI 14 17 01 18.3 27.59N 56.21E 20 3.4L,3.7
DSN XI 14 17 01 20.6–1.2 27.56N 56.49E 10 3.2L,3.7
OMAN XI 14 17 01 21.9–.08 27.50N 56.17E 10 3.7b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=20.5km az=164.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=33.3km s-min=10.9km az=106.0.
OMAN Error ellipse: s-maj=1.5km s-min=1.2km az=356.0.
ISC XI 14 18 38 17.5–1.1 27.48N–.08 56.28E–.07 23–10 3.4b 25 0-53
IDC XI 14 18 38 12.9–2.2 27.33N 56.47E 0 3.6b,3.6 **¶621468728**
TEH XI 14 18 38 16.5 27.63N 56.26E 9 3.3L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=21.9km az=158.0.
TEH Event type se. Presumed earthquake.
ISC XI 14 12 52 37.4–1.4 27.65N–.03 56.25E–.05 5–9 4.0b 136 0-91
IDC XI 14 12 52 36.4–.83 27.56N 56.21E 0 3.9b,3.9 **¶621403063**
NEIC XI 14 12 52 37.9–1.0 27.53N–.08 56.29E–.03 10–1 4.2b,3.9
TEH XI 14 12 52 37.8 27.52N 56.09E 15 4.0L,3.9
OMAN XI 14 12 52 39.9–.83 27.61N 56.22E 10 4.5b,3.8L
DSN XI 14 12 52 43.4–.89 27.36N 56.00E 10 3.9L,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=16.8km az=7.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=4.5km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=8.5km s-min=7.1km az=49.0.
DSN Error ellipse: s-maj=11.1km s-min=6.5km az=50.0.
ISC XI 14 18 46 41.1–.88 27.53N–.08 56.04E–.07 15 3.5b 14 0-53
TEH XI 14 18 46 38.3 27.55N 56.13E 13 2.8L **¶621468730**
IDC XI 14 18 46 40.4–2.5 27.63N 55.66E 0 3.6b,3.6
ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=56.9km s-min=22.3km az=159.0.
ISC XI 14 19 07 06.8–.97 27.49N–.10 56.27E–.05 12–9 3.7b 24 0-53
IDC XI 14 19 07 04.4–2.9 27.41N 56.26E 0 3.7b,3.7 **¶621468732**
TEH XI 14 19 07 05.8 27.54N 56.28E 12 3.5L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=60.6km s-min=27.1km az=156.0.
TEH Event type se. Presumed earthquake.
ISC XI 15 01 23 24.0–1.1 27.66N–.06 56.29E–.07 18 13 0-5
DSN XI 15 01 23 24.6–.25 27.59N 56.58E 10 2.8L **¶624418739**
TEH XI 15 01 23 24.6 27.45N 56.01E 14 2.9L
ISC Event type se.
DSN Error ellipse: s-maj=13.8km s-min=4.7km az=291.0.
TEH Event type se. Presumed earthquake.
ISC XI 14 19 30 08.9–1.2 27.63N–.03 56.12E–.04 9–9 3.4b 69 0-53
IDC XI 14 19 30 05.5–2.7 27.29N 56.17E 0 3.6b,3.6 **¶621468734**
TEH XI 14 19 30 07.9 27.49N 56.04E 14 2.9L,3.6
OMAN XI 14 19 30 11.1–.08 27.54N 56.12E 10 3.4L,3.1b
DSN XI 14 19 30 12.3–1.2 27.45N 55.88E 10 3.2L,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=74.6km s-min=22.7km az=153.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.4km s-min=0.9km az=338.0.
DSN Error ellipse: s-maj=24.4km s-min=9.5km az=69.0.
ISC XI 14 20 41 13.8–1.2 27.58N–.03 56.18E–.04 8–8 3.6b 70 0-53
IDC XI 14 20 41 12.8–2.4 27.58N 55.95E 0 3.7b,3.7 **¶621468741**
TEH XI 14 20 41 13.6 27.57N 56.20E 10 2.9L,3.7
OMAN XI 14 20 41 14.9–1.5 27.67N 56.21E 10 3.5b,3.3L
DSN XI 14 20 41 16.9–1.2 27.52N 56.26E 10 3.2L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=55.2km s-min=22.9km az=156.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=12.5km s-min=9.2km az=2.0.
DSN Error ellipse: s-maj=29.1km s-min=11.6km az=90.0.
ISC XI 15 01 41 27.7–1.2 27.67N–.03 56.02E–.04 12–8 3.5b 82 0-60
IDC XI 15 01 41 26.2–2.5 27.77N 55.92E 0 3.7s,3.6b **¶621475579**
TEH XI 15 01 41 27.9 27.55N 55.99E 11 3.4L,3.6b
OMAN XI 15 01 41 28.1–.08 27.70N 55.97E 10 3.5b,3.3L
DSN XI 15 01 41 30.2–.21 27.55N 56.16E 10 3.2L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=51.4km s-min=25.4km az=154.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.4km s-min=1.0km az=10.0.
DSN Error ellipse: s-maj=5.3km s-min=4.5km az=244.0.
ISC XI 14 19 38 11.4–.95 28.37N–.04 56.78E–.09 10 25 2-7
TEH XI 14 19 38 10.6 28.46N 56.72E 10 2.7L **¶621743162**
OMAN XI 14 19 38 19.0–.12 28.06N 57.29E 10 2.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=2.2km s-min=1.7km az=338.0.
ISC XI 15 01 45 29.1–1.3 27.64N–.04 56.25E–.04 10–9 3.6b 74 0-53
IDC XI 15 01 45 26.1–2.5 27.35N 56.21E 0 3.8,3.7b **¶621475580**
TEH XI 15 01 45 28.5 27.47N 56.15E 21 2.9L,3.7b
DSN XI 15 01 45 29.4–.26 27.69N 56.08E 10 3.4L,3.7b
OMAN XI 15 01 45 29.8–.09 27.63N 56.19E 10 3.6b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=56.0km s-min=26.0km az=150.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=5.0km s-min=2.2km az=21.0.
OMAN Error ellipse: s-maj=2.0km s-min=1.3km az=225.0.
ISC XI 15 01 59 50.5–1.3 27.78N–.06 56.25E–.10 10 14 0-5
DSN XI 15 01 59 52.5–.25 27.72N 56.00E 10 2.7L **¶624418741**
TEH XI 15 01 59 52.1 27.59N 56.32E 15 2.8L
ISC Event type se.
DSN Error ellipse: s-maj=7.6km s-min=4.7km az=257.0.
TEH Event type se. Presumed earthquake.
ISC XI 15 02 02 36.6–.32 27.60N–.03 56.10E–.03 10 4.5b,3.6s 382 0-91
TEH XI 15 02 02 27.1 27.58N 56.14E 7 4.2L,3.6s **¶621403211**
IDC XI 15 02 02 33.9–.62 27.58N 56.17E 0 4.2b,4.2
MOS XI 15 02 02 34.1–1.1 27.49N 56.11E 13 4.7b,4.2
NEIC XI 15 02 02 36.7–1.9 27.66N–.07 56.04E–.07 10–1 4.6b,4.2
GFZ XI 15 02 02 37.3–.33 28N–5.0 56E–3.0 10 4.5b,4.5
DSN XI 15 02 02 38.3–.13 27.67N 55.99E 10 4.1L,4.5
OMAN XI 15 02 02 42.7–.08 27.35N 56.02E 10 4.4b,4.1L
ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=14.9km s-min=12.3km az=162.0.
MOS Error ellipse: s-maj=6.7km s-min=4.5km az=108.9.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.8km az=332.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DSN Error ellipse: s-maj=3.2km s-min=1.1km az=225.0.
OMAN Error ellipse: s-maj=1.7km s-min=0.7km az=19.0.
ISC XI 14 20 09 49.5–1.0 27.61N–.03 56.11E–.04 15–7 3.5b 98 0-53
IDC XI 14 20 09 45.8–2.3 27.45N 56.09E 0 3.7b,3.7 **¶621468737**
OMAN XI 14 20 09 49.1–.06 27.66N 56.12E 10 3.7b,3.4L
TEH XI 14 20 09 49.2 27.54N 56.09E 18 3.5L,3.4L
DSN XI 14 20 09 51.6–1.3 27.54N 56.01E 10 3.5L,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=51.6km s-min=20.7km az=155.0.
OMAN Error ellipse: s-maj=1.0km s-min=0.7km az=6.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=18.1km s-min=10.0km az=59.0.
ISC XI 14 21 27 38.5–1.6 27.59N–.06 56.19E–.04 10–9 75 0-11
TEH XI 14 21 27 37.9 27.57N 56.16E 14 2.7L **¶621743164**
DSN XI 14 21 27 38.6–1.1 27.61N 56.44E 10 2.9L
OMAN XI 14 21 27 39.2–.06 27.57N 56.20E 10 3.1b,2.9L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=30.7km s-min=10.3km az=100.0.
OMAN Error ellipse: s-maj=1.0km s-min=0.8km az=12.0.
ISC XI 15 02 53 43.5–.43 27.69N–.04 56.18E–.03 15 4.1b 129 0-91
IDC XI 15 02 53 40.5–.93 27.54N 56.16E 0 3.9b,3.9 **¶621475581**
NEIC XI 15 02 53 43.2–1.5 27.64N–.09 56.1E–.10 10–1 4.2b,3.9
TEH XI 15 02 53 43.5 27.64N 56.17E 12 3.7L,3.9
DSN XI 15 02 53 44.5–.14 27.72N 56.11E 10 3.8L,3.9
OMAN XI 15 02 53 47.9–1.0 27.37N 56.08E 8 4.0b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=16.6km az=171.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=13.9km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=3.7km s-min=1.2km az=229.0.
OMAN Error ellipse: s-maj=8.7km s-min=5.1km az=16.0.
ISC XI 14 21 33 35.2–1.3 27.64N–.03 56.22E–.04 14–9 4.1b 105 0-87
IDC XI 14 21 33 31.5–3.0 27.42N 56.45E 0 4.1L,3.8b **¶621468744**
NEIC XI 14 21 33 34.8–1.8 27.72N–.08 56.26E–.10 10–2 4.3b,3.8b
TEH XI 14 21 33 35.3 27.62N 56.25E 12 2.9L,3.8b
DSN XI 14 21 33 37.3–1.0 27.59N 56.49E 10 3.6L,3.8b
OMAN XI 14 21 33 37.3–.05 27.60N 56.26E 10 3.7b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=63.4km s-min=31.8km az=150.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=11.7km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=17.5km s-min=10.2km az=98.0.
OMAN Error ellipse: s-maj=1.0km s-min=0.7km az=6.0.
ISC XI 14 20 23 12.4–1.4 27.61N–.04 56.09E–.04 6–11 56 0-11
TEH XI 14 20 23 11.4 27.46N 56.02E 14 2.9L **¶621743163**
OMAN XI 14 20 23 11.2–1.9 27.73N 55.97E 10 3.5b,3.5L
DSN XI 14 20 23 15.4–1.0 27.43N 55.75E 10 3.3L,3.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=16.5km s-min=12.1km az=152.0.
DSN Error ellipse: s-maj=16.7km s-min=8.3km az=58.0.
ISC XI 15 03 04 38.1–.47 27.59N–.03 56.06E–.04 10 3.8b 95 0-87
IDC XI 15 03 04 33.6–2.2 27.30N 56.33E 0 3.9s,3.7b **¶621475582**
NEIC XI 15 03 04 38.5–2.1 27.67N–.04 56.0E–.10 10–1 4.2b,3.7b
TEH XI 15 03 04 38.5 27.58N 56.08E 11 3.3L,3.7b
OMAN XI 15 03 04 41.9–.07 27.43N 55.89E 10 4.0b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=49.6km s-min=19.2km az=159.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=7.1km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.5km s-min=0.7km az=16.0.
ISC XI 15 03 14 36.0–.41 27.57N–.03 56.18E–.04 15 4.0b,2.9s 135 0-89
IDC XI 15 03 14 31.1–1.2 27.20N 56.23E 0 3.9b,3.9 **¶621403212**
OMAN XI 15 03 14 34.0–1.1 27.67N 56.21E 8 4.1b,3.7L
NEIC XI 15 03 14 35.3–1.6 27.50N–.07 56.07E–.09 10–1 4.2b,3.7L
TEH XI 15 03 14 36.1 27.49N 56.21E 16 3.9L,3.7L
DSN XI 15 03 14 37.4–.25 27.43N 56.66E 10 3.7L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=16.7km az=156.0.
OMAN Error ellipse: s-maj=10.9km s-min=4.7km az=24.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.8km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=7.2km s-min=4.6km az=297.0.
ISC XI 14 22 13 17.7–.60 27.58N–.04 56.21E–.04 15 3.4b 73 0-53
IDC XI 14 22 13 14.4–2.2 27.50N 56.16E 0 3.6b,3.6 **¶621468749**
TEH XI 14 22 13 17.5 27.60N 56.22E 12 3.2L,3.6
DSN XI 14 22 13 21.0–.97 27.49N 56.15E 10 3.3L,3.6
OMAN XI 14 22 13 25.0–1.6 27.16N 56.31E 15 3.4b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=50.6km s-min=20.7km az=163.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=11.8km s-min=6.8km az=52.0.
OMAN Error ellipse: s-maj=14.3km s-min=9.2km az=158.0.
ISC XI 15 06 43 48.7–.70 27.68N–.04 56.27E–.04 18 4.0s,3.5b 63 0-91
IDC XI 15 06 43 46.7–2.3 27.76N 56.06E 0 3.9s,3.7b **¶621475606**
OMAN XI 15 06 43 47.4–.11 27.67N 56.32E 10 4.1b,3.2L
TEH XI 15 06 43 48.4 27.58N 56.19E 15 3.3L,3.2L
DSN XI 15 06 43 52.2–.25 27.44N 56.27E 10 3.1L,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=32.6km az=22.0.
OMAN Error ellipse: s-maj=2.1km s-min=1.1km az=15.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=6.5km s-min=4.7km az=269.0.
ISC XI 14 22 48 54.5–.54 27.65N–.04 56.22E–.04 15 4.2b 93 0-83
IDC XI 14 22 48 50.4–3.0 27.38N 56.37E 0 4.4s,3.7b **¶621468751**
TEH XI 14 22 48 53.5 27.60N 56.19E 12 3.4L,3.7b
NEIC XI 14 22 48 54.1–1.4 27.63N–.06 56.0E–.10 10–1 4.5b,3.7b
OMAN XI 14 22 48 55.1–1.5 27.58N 56.24E 10 3.8b,3.4L
DSN XI 14 22 48 56.6–.85 27.51N 55.95E 10 3.3L,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=66.1km s-min=32.5km az=147.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=5.5km az=68.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=13.2km s-min=8.6km az=8.0.
DSN Error ellipse: s-maj=11.1km s-min=5.8km az=52.0.
ISC XI 15 00 21 25.2–.67 29.81N–.04 50.61E–.05 10 3.9b 88 1-36
TEH XI 15 00 21 25.8 29.84N 50.58E 12 3.4L **¶621475571**
IDC XI 15 00 21 26.9–6.0 30.29N 50.44E 0 3.9b,3.7
DSN XI 15 00 21 28.3–.64 29.64N 50.51E 10 4.0L,3.7
OMAN XI 15 00 21 32.8–.07 29.36N 50.82E 10 4.1L,3.4b
ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=103.2km s-min=31.9km az=14.0.
DSN Error ellipse: s-maj=12.4km s-min=2.9km az=16.0.
OMAN Error ellipse: s-maj=1.4km s-min=1.2km az=2.0.

ISC	**XI**	**15 03 55 21.0–1.1**	**27.57N–.04**	**56.12E–.06**	**20–5**	**3.4b**	**26**	**0-53**	
IDC	XI	15 03 55 17.8–2.9	27.48N	56.03E	0	4.0L,3.5b			¶621475584
DSN	XI	15 03 55 19.7–.26	27.72N	56.23E	10	2.6L,3.5b			
TEH	XI	15 03 55 19.7	27.54N	56.11E	16	3.1L,3.5b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=61.9km s-min=26.6km az=158.0.								
DSN	Error ellipse: s-maj=19.4km s-min=4.7km az=274.0.								
TEH	Event type se. Presumed earthquake.								
ISC	**XI**	**15 04 13 32.8–.73**	**27.56N–.04**	**56.17E–.04**	**15**	**3.4b**	**64**	**0-53**	
IDC	XI	15 04 13 30.0–2.4	27.62N	56.10E	0	3.5b,3.5			¶621475587
TEH	XI	15 04 13 31.6	27.54N	56.20E	12	3.3L,3.5			
DSN	XI	15 04 13 36.3–.23	27.49N	55.73E	10	3.2L,3.5			
OMAN	XI	15 04 13 42.8–.08	26.94N	56.13E	10	3.7b,3.0L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=65.1km s-min=22.5km az=156.0.								
TEH	Event type se. Presumed earthquake.								
DSN	Error ellipse: s-maj=7.5km s-min=4.5km az=238.0.								
OMAN	Error ellipse: s-maj=1.4km s-min=1.0km az=6.0.								
ISC	**XI**	**15 07 44 54.7–.64**	**27.60N–.04**	**56.28E–.05**	**10**	**4.2s,3.6b**	**68**	**0-92**	
IDC	XI	15 07 44 50.6–4.5	27.30N	56.45E	0	4.2s,4.1L			¶621475611
OMAN	XI	15 07 44 53.1–.23	27.81N	56.22E	10	4.3b,3.9L			
TEH	XI	15 07 44 53.6	27.57N	56.23E	11	3.7L,3.9L			
DSN	XI	15 07 44 57.6–.25	27.50N	56.07E	10	4.0L,3.9L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=94.5km s-min=22.5km az=174.0.								
OMAN	Error ellipse: s-maj=4.9km s-min=1.3km az=22.0.								
TEH	Event type se. Presumed earthquake.								
DSN	Error ellipse: s-maj=5.0km s-min=2.7km az=23.0.								
ISC	**XI**	**15 14 24 53.3–1.3**	**27.62N–.04**	**56.14E–.04**	**12–8**	**3.7b,3.0s**	**67**	**0-63**	
IDC	XI	15 14 24 49.2–14	27.42N	56.09E	0	3.7b,3.7			¶621475637
TEH	XI	15 14 24 53.0	27.51N	56.14E	15	3.3L,3.7			
DSN	XI	15 14 24 54.5–1.2	27.62N	56.15E	10	3.5L,3.7			
OMAN	XI	15 14 24 56.1–1.5	27.45N	56.09E	10	3.9b,3.3L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=274.8km s-min=27.4km az=178.0.								
TEH	Event type se. Presumed earthquake.								
DSN	Error ellipse: s-maj=34.2km s-min=11.5km az=89.0.								
OMAN	Error ellipse: s-maj=14.4km s-min=7.6km az=21.0.								
ISC	**XI**	**15 05 02 04.9–1.2**	**27.70N–.05**	**56.34E–.06**	**18**		**19**	**0-10**	
OMAN	XI	15 05 02 00.7–2.0	27.96N	55.93E	10	3.1L			¶621743176
TEH	XI	15 05 02 03.5	27.82N	56.29E	6	2.9L			
ISC	Event type se.								
OMAN	Error ellipse: s-maj=31.1km s-min=17.2km az=91.0.								
TEH	Event type se. Presumed earthquake.								
ISC	**XI**	**15 05 04 30.3–.84**	**27.16N–.06**	**56.15E–.06**	**14**	**3.8b**	**19**	**0-53**	
IDC	XI	15 05 04 30.2–2.9	27.51N	55.81E	0	3.9,3.8b			¶621475595
TEH	XI	15 05 04 33.0	27.51N	56.17E	12	3.4L,3.8b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=64.8km s-min=24.5km az=159.0.								
TEH	Event type se. Presumed earthquake.								
ISC	**XI**	**15 09 15 36.2–.85**	**27.72N–.06**	**56.42E–.08**	**18**	**3.8b**	**42**	**2-90**	
OMAN	XI	15 09 15 31.1–.69	28.01N	56.59E	10	3.9b,3.6L			¶621475618
IDC	XI	15 09 15 33.3–1.6	27.67N	56.28E	0	3.8b,3.8			
DSN	XI	15 09 15 38.4–.26	27.51N	56.05E	10	3.5L,3.8			
ISC	Event type se.								
OMAN	Error ellipse: s-maj=7.0km s-min=6.0km az=172.0.								
IDC	Error ellipse: s-maj=40.3km s-min=28.4km az=44.0.								
DSN	Error ellipse: s-maj=5.2km s-min=2.8km az=26.0.								
ISC	**XI**	**15 11 24 15.6–.57**	**27.55N–.03**	**56.14E–.04**	**10**	**3.7b**	**59**	**0-53**	
IDC	XI	15 11 24 13.4–2.5	27.52N	56.11E	0	3.9b,3.9			¶621475631
TEH	XI	15 11 24 15.0	27.51N	56.12E	12	3.5L,3.9			
DSN	XI	15 11 24 20.3–.83	27.43N	56.34E	10	3.5L,3.9			
OMAN	XI	15 11 24 21.5–1.7	27.34N	56.06E	10	4.1b,3.4L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=51.4km s-min=23.5km az=165.0.								
TEH	Event type se. Presumed earthquake.								
DSN	Error ellipse: s-maj=25.1km s-min=7.4km az=98.0.								
OMAN	Error ellipse: s-maj=17.2km s-min=12.8km az=32.0.								
ISC	**XI**	**15 14 37 33.7–1.0**	**27.55N–.05**	**56.15E–.04**	**15**		**37**	**0-10**	
TEH	XI	15 14 37 31.4	27.52N	56.12E	17	2.9L			¶621743177
OMAN	XI	15 14 37 33.1–1.6	27.58N	56.07E	10	3.9b,3.1L			
ISC	Event type se.								
TEH	Event type se. Presumed earthquake.								
OMAN	Error ellipse: s-maj=17.1km s-min=8.0km az=15.0.								
ISC	**XI**	**15 15 49 37.3–.89**	**27.72N–.03**	**56.29E–.05**	**18**		**50**	**0-11**	
DSN	XI	15 15 49 37.2–.76	27.70N	56.22E	10	3.2L			¶621743180
TEH	XI	15 15 49 37.2	27.58N	56.20E	10	2.8L			
OMAN	XI	15 15 49 39.8–1.4	27.55N	56.17E	10	3.8b,3.2L			
ISC	Event type se.								
DSN	Error ellipse: s-maj=13.0km s-min=6.7km az=81.0.								
TEH	Event type se. Presumed earthquake.								
OMAN	Error ellipse: s-maj=12.6km s-min=11.6km az=23.0.								
ISC	**XI**	**15 09 45 24.6–1.2**	**27.59N–.04**	**56.25E–.06**	**18–4**	**3.4b**	**25**	**0-34**	
IDC	XI	15 09 45 11.0–16	26.24N	56.40E	0	3.6,3.5b			¶621475625
DSN	XI	15 09 45 23.4–1.0	27.71N	56.48E	10	3.2L,3.5b			
TEH	XI	15 09 45 23.9	27.57N	56.24E	15	3.2L,3.5b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=319.4km s-min=40.4km az=177.0.								
DSN	Error ellipse: s-maj=29.8km s-min=10.0km az=102.0.								
TEH	Event type se. Presumed earthquake.								
ISC	**XI**	**15 18 18 17.3–.94**	**27.54N–.05**	**55.97E–.05**	**15**		**72**	**1-10**	
DSN	XI	15 18 18 16.1–.79	27.66N	56.01E	10	3.5L			¶621743182
TEH	XI	15 18 18 16.8	27.54N	55.97E	18	3.5L			
OMAN	XI	15 18 18 19.0–.08	27.42N	55.96E	10	4.0b,3.4L			
ISC	Event type se.								
DSN	Error ellipse: s-maj=12.4km s-min=3.9km az=59.0.								
TEH	Event type se. Presumed earthquake.								
OMAN	Error ellipse: s-maj=1.6km s-min=0.8km az=4.0.								
ISC	**XI**	**15 16 42 43.7–.36**	**27.62N–.03**	**56.15E–.04**	**15**	**4.2b,3.7s**	**210**	**0-91**	
IDC	XI	15 16 42 40.8–1.1	27.57N	56.06E	0	3.9L,3.9b			¶621406843
MOS	XI	15 16 42 41.3–.98	27.57N	56.04E	14	4.4b,3.9b			
TEH	XI	15 16 42 42.9	27.55N	56.14E	14	3.8L,3.9b			
OMAN	XI	15 16 42 43.9–.71	27.61N	56.21E	10	4.1b,3.9L			
NEIC	XI	15 16 42 43.3–.87	27.66N–.08	56.05E–.09	10–1	4.4b,3.9L			
DSN	XI	15 16 42 46.1–.95	27.51N	56.16E	10	3.9L,3.9L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=27.5km s-min=14.9km az=16.0.								
MOS	Error ellipse: s-maj=9.7km s-min=7.1km az=81.3.								
TEH	Event type se. Presumed earthquake.								
OMAN	Error ellipse: s-maj=6.4km s-min=4.0km az=16.0.								
NEIC	Event type se. Error ellipse: s-maj=15.7km s-min=11.4km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
DSN	Error ellipse: s-maj=13.6km s-min=7.4km az=71.0.								
ISC	**XI**	**15 19 12 13.9–1.2**	**27.68N–.03**	**56.19E–.04**	**7–8**	**3.8b,3.4s**	**86**	**0-91**	
IDC	XI	15 19 12 12.2–1.1	27.58N	56.10E	0	4.0L,3.8b			¶621475644
DSN	XI	15 19 12 14.9–.91	27.67N	56.12E	10	3.7L,3.8b			
OMAN	XI	15 19 12 14.7–1.4	27.67N	56.17E	10	3.8b,3.6L			
TEH	XI	15 19 12 14.5	27.56N	56.19E	12	3.7L,3.6L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=26.5km s-min=17.7km az=174.0.								
DSN	Error ellipse: s-maj=12.8km s-min=7.3km az=66.0.								
OMAN	Error ellipse: s-maj=11.9km s-min=7.0km az=11.0.								
TEH	Event type se. Presumed earthquake.								
ISC	**XI**	**15 17 22 17.6–1.2**	**27.79N–.04**	**56.29E–.04**	**7–10**		**54**	**0-11**	
OMAN	XI	15 17 22 18.8–1.5	27.72N	56.31E	10	4.0b,3.2L			¶621743181
TEH	XI	15 17 22 18.7	27.57N	56.22E	11	2.9L,3.2L			
ISC	Event type se.								
OMAN	Error ellipse: s-maj=12.5km s-min=9.6km az=22.0.								
TEH	Event type se. Presumed earthquake.								
ISC	**XI**	**15 19 31 51.9–1.7**	**27.62N–.05**	**56.03E–.07**	**4–12**	**3.5b**	**57**	**0-53**	
IDC	XI	15 19 31 50.2–3.1	27.47N	56.06E	0	3.6b,3.6			¶621475645
TEH	XI	15 19 31 51.0	27.52N	56.05E	8	3.2L,3.6			
DSN	XI	15 19 31 54.6–1.5	27.57N	56.11E	10	3.2L,3.6			
OMAN	XI	15 19 31 55.0–2.0	27.47N	55.71E	10	3.6b,3.1L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=72.1km s-min=28.5km az=158.0.								
TEH	Event type se. Presumed earthquake.								
DSN	Error ellipse: s-maj=24.4km s-min=13.1km az=79.0.								
OMAN	Error ellipse: s-maj=17.4km s-min=16.4km az=151.0.								
ISC	**XI**	**15 13 36 11.4–.56**	**27.68N–.02**	**56.11E–.03**	**11–3**	**5.1b,4.0s**	**781**	**0-120**	
BJI	XI	15 13 36 07.9	27.86N	55.87E	7	5.1b,4.7b			¶621406828
MOS	XI	15 13 36 09.9–1.1	27.66N	56.09E	13	5.2b,4.7b			
THR	XI	15 13 36 10.8–.00	27.64N	56.11E	12–3	5.0L,4.7b			
DSN	XI	15 13 36 10.6–1.0	27.77N	56.13E	10	4.8L,4.7b			
TEH	XI	15 13 36 11.7	27.59N	56.15E	17	5.0L,4.7b			
NEIC	XI	15 13 36 11.5–1.0	27.71N–.07	56.03E–.05	10–1	5.2b,4.7b			
OMAN	XI	15 13 36 12.7–.69	27.61N	55.98E	10	5.1b,4.9L			
GFZ	XI	15 13 36 12.7–.28	28N–4.0	56E–3.0	10	5.3b,5.2b			
IDC	XI	15 13 36 14.8–2.2	27.67N	56.08E	34–16	4.8,4.7L			
ISC	Event type se.								
MOS	Error ellipse: s-maj=5.1km s-min=3.6km az=94.4.								
THR	Event type se. Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0. Presumed earthquake.								
DSN	Error ellipse: s-maj=13.8km s-min=4.9km az=55.0.								
TEH	Event type se. Presumed earthquake.								
NEIC	Event type se. Error ellipse: s-maj=11.3km s-min=8.0km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
OMAN	Error ellipse: s-maj=7.0km s-min=6.3km az=44.0.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
IDC	Error ellipse: s-maj=12.1km s-min=9.7km az=173.0.								
ISC	**XI**	**15 20 06 29.3–1.3**	**27.68N–.04**	**56.24E–.04**	**17–8**	**3.8b,3.2s**	**81**	**0-91**	
IDC	XI	15 20 06 25.8–1.5	27.62N	56.25E	0	3.8b,3.8			¶621475647
DSN	XI	15 20 06 28.8–.92	27.77N	56.12E	10	3.4L,3.8			
OMAN	XI	15 20 06 29.5–1.4	27.68N	56.43E	10	3.9b,3.5L			
TEH	XI	15 20 06 29.4	27.61N	56.17E	22	3.3L,3.5L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=33.1km s-min=25.4km az=157.0.								
DSN	Error ellipse: s-maj=13.0km s-min=7.4km az=71.0.								
OMAN	Error ellipse: s-maj=11.1km s-min=9.9km az=37.0.								
TEH	Event type se. Presumed earthquake.								
ISC	**XI**	**15 18 05 38.4–.00**	**27.64N–.03**	**56.27E–.03**	**15–6**	**4.3b,3.4s**	**318**	**0-117**	
MOS	XI	15 18 05 34.8–1.0	27.51N	56.21E	11	4.6b,3.4s			¶621406848
IDC	XI	15 18 05 35.4–.72	27.62N	56.28E	0	4.1L,4.1b			
NEIC	XI	15 18 05 37.8–2.0	27.68N–.07	56.12E–.09	10–1	4.4b,4.1b			
OMAN	XI	15 18 05 38.5–.03	27.63N	56.25E	10	4.5b,4.1L			
TEH	XI	15 18 05 38.3	27.54N	56.24E	19	4.3L,4.1L			
GFZ	XI	15 18 05 39.2–.29	28N–5.0	56E–3.0	10	4.9b,4.5b			
DSN	XI	15 18 05 39.2–1.4	27.63N	56.15E	10	4.3L,4.5b			
ISC	Event type se.								
MOS	Error ellipse: s-maj=7.8km s-min=5.7km az=76.1.								
IDC	Error ellipse: s-maj=17.1km s-min=13.5km az=177.0.								
NEIC	Event type se. Error ellipse: s-maj=13.6km s-min=11.3km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
OMAN	Error ellipse: s-maj=0.7km s-min=0.7km az=313.0.								
TEH	Event type se. Presumed earthquake.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.								
DSN	Error ellipse: s-maj=17.2km s-min=8.1km az=54.0.								
ISC	**XI**	**16 05 12 14.0–.32**	**27.70N–.03**	**56.14E–.03**	**15**	**4.3b,3.5s**	**237**	**0-91**	
IDC	XI	16 05 12 11.7–.73	27.70N	56.19E	0	4.2b,4.2			¶621409304
MOS	XI	16 05 12 11.2–.99	27.55N	56.07E	12	4.5b,4.2			
NEIC	XI	16 05 12 13.8–1.2	27.68N–.05	56.02E–.09	10–1	4.5b,4.2			
DSN	XI	16 05 12 14.2–.66	27.76N	56.10E	10	4.1L,4.2			
TEH	XI	16 05 12 14.1	27.56N	56.11E	19	4.1L,4.2			
OMAN	XI	16 05 12 15.6–1.2	27.63N	56.18E	19	4.3b,4.0L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=17.1km s-min=13.5km az=169.0.								
MOS	Error ellipse: s-maj=8.0km s-min=5.9km az=94.5.								
NEIC	Event type se. Error ellipse: s-maj=14.1km s-min=8.5km az=273.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
DSN	Error ellipse: s-maj=9.4km s-min=5.1km az=69.0.								
TEH	Event type se. Presumed earthquake.								
OMAN	Error ellipse: s-maj=11.1km s-min=5.1km az=21.0.								
ISC	**XI**	**16 00 48 50.1–1.3**	**27.55N–.05**	**56.15E–.04**	**12–7**		**58**	**0-10**	
TEH	XI	16 00 48 48.2	27.60N	56.23E	8	2.8L			¶621743196
OMAN	XI	16 00 48 54.5–.07	27.34N	55.96E	10	3.6b,3.2L			
ISC	Event type se.								
TEH	Event type se. Presumed earthquake.								
OMAN	Error ellipse: s-maj=1.3km s-min=0.8km az=22.0.								
ISC	**XI**	**15 22 31 51.7–1.4**	**27.55N–.07**	**55.94E–.04**	**2–14**		**41**	**1-10**	
OMAN	XI	15 22 31 49.6–.10	27.74N	55.89E	10	3.2L			¶621743186
TEH	XI	15 22 31 51.1	27.53N	55.95E	20	3.1L			
ISC	Event type se.								
OMAN	Error ellipse: s-maj=1.8km s-min=1.4km az=352.0.								
TEH	Event type se. Presumed earthquake.								
ISC	**XI**	**15 22 51 23.2–1.6**	**27.64N–.05**	**56.16E–.04**	**3–10**		**71**	**0-11**	
TEH	XI	15 22 51 21.4	27.59N	56.08E	7	3.1L			¶621743184
OMAN	XI	15 22 51 24.5–.07	27.64N	56.26E	10	3.9b,3.0L			
DSN	XI	15 22 51 25.4–1.6	27.60N	55.95E	10	2.9L,3.0L			
ISC	Event type se.								
TEH	Event type se. Presumed earthquake.								
OMAN	Error ellipse: s-maj=1.4km s-min=0.9km az=24.0.								
DSN	Error ellipse: s-maj=47.7km s-min=13.1km az=80.0.								
ISC	**XI**	**15 20 43 45.8–1.2**	**29.73N–.07**	**50.72E–.08**	**10**		**29**	**1-13**	
TEH	XI	15 20 43 43.6	29.86N	50.57E	9	2.9L			¶621743183
OMAN	XI	15 20 43 47.8–.13	29.62N	50.92E	10	2.9L			
ISC	Event type se.								
TEH	Event type se. Presumed earthquake.								
OMAN	Error ellipse: s-maj=2.3km s-min=1.7km az=352.0.								
ISC	**XI**	**15 21 24 18.1–1.3**	**27.65N–.04**	**56.20E–.04**	**9–9**	**3.7b**	**71**	**0-53**	
IDC	XI	15 21 24 14.7–2.7	27.34N	56.12E	0	3.8b,3.8			¶621475650
TEH	XI	15 21 24 17.8	27.56N	56.17E	16	3.3L,3.8			
DSN	XI	15 21 24 18.5–1.1	27.71N	55.94E	10	3.0L,3.8			
OMAN	XI	15 21 24 19.3–.08	27.65N	56.28E	10	3.2b,3.1L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=64.7km s-min=25.7km az=158.0.								
TEH	Event type se. Presumed earthquake.								
DSN	Error ellipse: s-maj=16.5km s-min=9.4km az=66.0.								
OMAN	Error ellipse: s-maj=1.3km s-min=1.0km az=3.0.								
ISC	**XI**	**16 14 49 25.9–1.1**	**27.78N–.05**	**56.25E–.06**	**28**		**14**	**0-5**	
TEH	XI	16 14 49 24.7	27.69N	56.17E	10	2.7L			¶624418759
DSN	XI	16 14 49 28.1–.89	27.52N	55.73E	10	2.8L			
ISC	Event type se.								
TEH	Event type se. Presumed earthquake.								
DSN	Error ellipse: s-maj=45.1km s-min=7.6km az=76.0.								
ISC	**XI**	**16 01 35 02.9–1.0**	**27.79N–.04**	**55.93E–.06**	**16**		**32**	**0-11**	
OMAN	XI	16 01 34 57.8–.12	28.20N	55.51E	10	2.9L			¶621743197
TEH	XI	16 01 35 05.3	27.51N	56.02E	14	2.9L			
ISC	Event type se.								
OMAN	Error ellipse: s-maj=2.3km s-min=2.1km az=340.0.								
TEH	Event type se. Presumed earthquake.								
ISC	**XI**	**16 10 07 07.2–.92**	**27.73N–.04**	**56.13E–.06**	**15**		**32**	**0-11**	
OMAN	XI	16 10 07 10.4–.09	27.66N	56.06E	104–1	3.6b,2.9L			¶621743198
TEH	XI	16 10 07 10.0	27.70N	56.41E	8	2.9L,2.9L			
ISC	Event type se.								
OMAN	Error ellipse: s-maj=1.8km s-min=1.2km az=22.0.								
TEH	Event type se. Presumed earthquake.								
ISC	**XI**	**16 10 37 30.2–.45**	**27.65N–.03**	**56.14E–.04**	**15**	**3.9b,3.3s**	**123**	**0-91**	

NEIC XI 16 10 37 29.8–.95 27.78N–.06 56.04E–.09 10–1 4.1b,3.3s ¶621475676
DSN XI 16 10 37 29.2–1.5 27.76N 55.95E 4–46 3.7L,3.3s
TEH XI 16 10 37 29.4 27.62N 56.16E 12 3.7L,3.3s
IDC XI 16 10 37 30.8–1.9 27.94N 55.92E 0 3.9b,3.9
OMAN XI 16 10 37 39.5–1.5 27.14N 56.11E 20 3.8b,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=7.1km az=238.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=51.6km s-min=12.0km az=13.0.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=37.6km s-min=23.2km az=11.0.
OMAN Error ellipse: s-maj=13.6km s-min=8.3km az=24.0.
ISC XI 15 23 47 55.5–1.3 27.46N–.06 56.24E–.05 12–8 50 0-10
TEH XI 15 23 47 54.9 27.48N 56.24E 14 2.9L ¶621743187
OMAN XI 15 23 47 56.6–.06 27.42N 56.27E 10 2.7L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.3km s-min=0.9km az=34.0.
ISC XI 16 09 09 53.1–1.0 27.69N–.05 56.19E–.06 15 14 0-3
TEH XI 16 09 09 53.2 27.58N 56.17E 8 2.8L ¶624418757
DSN XI 16 09 09 55.6–1.1 27.58N 56.28E 10 3.2L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=39.0km s-min=9.5km az=95.0.
ISC XI 16 15 35 48.1–1.4 27.55N–.05 56.26E–.04 7–9 75 0-11
OMAN XI 16 15 35 45.9–1.3 27.71N 56.28E 10 3.6b,3.6L ¶621743199
TEH XI 16 15 35 47.3 27.48N 56.25E 16 3.5L,3.6L
DSN XI 16 15 35 48.7–1.4 27.57N 56.23E 10 3.6L,3.6L
ISC Event type se.
OMAN Error ellipse: s-maj=11.7km s-min=6.4km az=16.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=18.8km s-min=12.3km az=68.0.
ISC XI 17 01 59 39.6–1.0 27.66N–.03 56.19E–.03 15–7 4.0b 140 0-91
IDC XI 17 01 59 34.1–1.6 27.24N 56.43E 0 4.1s,3.8b ¶621494187
NEIC XI 17 01 59 39.2–1.2 27.67N–.08 56.16E–.03 10–1 4.3b,3.8b
DSN XI 17 01 59 40.5–1.3 27.70N 56.03E 10 3.5L,3.8b
TEH XI 17 01 59 40.5 27.57N 56.21E 16 3.7L,3.8b
OMAN XI 17 01 59 41.8–.11 27.54N 56.18E 10 4.3b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=21.1km az=175.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=2.9km az=160.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=16.4km s-min=6.4km az=43.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=2.0km s-min=1.2km az=5.0.
ISC XI 16 19 27 41.4–1.0 27.65N–.03 56.14E–.03 14–6 4.3b,3.3s 278 0-92
IDC XI 16 19 27 39.1–.63 27.58N 56.08E 0 4.1b,4.0 ¶621413481
OMAN XI 16 19 27 41.8–.12 27.68N 56.13E 10 4.2b,4.0L
NEIC XI 16 19 27 41.2–1.9 27.68N–.06 55.94E–.09 10–1 4.3b,4.0L
DSN XI 16 19 27 42.0–1.2 27.66N 56.07E 10 4.0L,4.0L
GFZ XI 16 19 27 42.9–.30 28N–5.0 56E–4.0 10 4.2b,4.2
TEH XI 16 19 27 42.2 27.52N 56.16E 18 3.9L,4.2
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=14.1km az=160.0.
OMAN Error ellipse: s-maj=2.2km s-min=1.2km az=21.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.9km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=17.1km s-min=5.5km az=54.0.
GFZ Error ellipse: s-maj=10.2km s-min=7.0km az=158.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
TEH Event type se. Presumed earthquake.
ISC XI 16 20 00 48.0–1.4 27.68N–.03 56.05E–.04 2–11 3.8b,3.4s 54 0-39
IDC XI 16 20 00 43.4–15 27.12N 56.09E 0 3.7b,3.7 ¶621475691
OMAN XI 16 20 00 47.1–.08 27.82N 55.81E 10 3.5L,3.3b
DSN XI 16 20 00 49.2–1.2 27.67N 55.97E 10 3.5L,3.3b
TEH XI 16 20 00 49.1 27.53N 56.06E 10 2.9L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=303.5km s-min=38.3km az=177.0.
OMAN Error ellipse: s-maj=1.8km s-min=1.7km az=34.0.
DSN Error ellipse: s-maj=30.7km s-min=9.1km az=79.0.
TEH Event type se. Presumed earthquake.
ISC XI 16 19 03 12.1–1.0 27.73N–.04 56.23E–.08 15 15 0-3
DSN XI 16 19 03 13.9–1.6 27.67N 56.15E 10 3.1L ¶624418764
TEH XI 16 19 03 13.1 27.51N 56.00E 10 2.9L
ISC Event type se.
DSN Error ellipse: s-maj=78.0km s-min=14.8km az=91.0.
TEH Event type se. Presumed earthquake.
ISC XI 17 10 53 09.3–1.0 27.54N–.04 56.18E–.05 10 41 0-10
DSN XI 17 10 53 09.5–1.2 27.62N 55.82E 10 3.1L ¶621743221
TEH XI 17 10 53 09.2 27.52N 56.11E 10 2.9L
OMAN XI 17 10 53 11.7–2.2 27.47N 56.38E 10 3.6b,3.1L
ISC Event type se.
DSN Error ellipse: s-maj=61.6km s-min=10.2km az=76.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=19.7km s-min=15.8km az=171.0.
ISC XI 17 02 51 33.2–1.2 27.70N–.03 56.13E–.04 12–8 3.6b,3.5s 73 0-75
IDC XI 17 02 51 29.2–3.0 27.48N 56.38E 0 3.8b,3.8 ¶621494188
NEIC XI 17 02 51 33.3–1.0 27.70N–.05 56.0E–.20 10–2 4.0b,3.8
TEH XI 17 02 51 34.7 27.53N 56.13E 19 3.1L,3.8
DSN XI 17 02 51 35.4–1.5 27.63N 55.94E 10 3.1L,3.8
OMAN XI 17 02 51 37.8–.12 27.46N 56.02E 10 3.8b,3.0L
ISC Event type se.
IDC Error ellipse: s-maj=64.6km s-min=28.3km az=159.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=9.3km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=17.2km s-min=9.2km az=39.0.
OMAN Error ellipse: s-maj=2.3km s-min=0.9km az=16.0.
ISC XI 16 23 38 47.8–1.1 27.69N–.04 56.13E–.08 15 14 0-4
TEH XI 16 23 38 46.2 27.69N 56.12E 10 2.9L ¶624418765
DSN XI 16 23 38 47.1–1.4 27.75N 56.14E 10 2.6L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=58.9km s-min=13.0km az=88.0.
ISC XI 16 20 15 27.8–1.5 27.56N–.05 56.13E–.05 3–11 43 0-10
OMAN XI 16 20 15 26.0–.08 27.78N 56.03E 10 3.1L ¶621743200
TEH XI 16 20 15 26.7 27.58N 56.10E 7 2.7L
DSN XI 16 20 15 27.7–1.7 27.62N 55.80E 10 2.7L
ISC Event type se.
OMAN Error ellipse: s-maj=1.6km s-min=1.4km az=323.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=104.7km s-min=14.3km az=76.0.
ISC XI 17 18 37 18.9–1.0 27.59N–.03 56.21E–.03 17–7 3.6b 102 0-91
IDC XI 17 18 37 16.4–1.3 27.62N 56.15E 0 3.7b,3.7 ¶621494224
DSN XI 17 18 37 17.6–.77 27.80N 56.11E 10 3.2L,3.7
TEH XI 17 18 37 18.7 27.56N 56.22E 17 3.5L,3.7
OMAN XI 17 18 37 20.8–.06 27.51N 56.10E 10 3.8b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=22.0km az=18.0.
DSN Error ellipse: s-maj=10.4km s-min=6.9km az=65.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.1km s-min=0.6km az=18.0.
ISC XI 17 08 55 11.1–.66 27.66N–.04 56.24E–.04 15 3.8b,3.7s 54 0-86
IDC XI 17 08 55 04.9–2.6 27.03N 56.39E 0 3.8b,3.8 ¶621494200
DSN XI 17 08 55 10.1–.85 27.80N 56.25E 10 3.2L,3.8
OMAN XI 17 08 55 10.8–.16 27.73N 56.22E 10 3.5b,3.3L
TEH XI 17 08 55 11.1 27.60N 56.20E 14 3.4L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=60.3km s-min=28.2km az=147.0.
DSN Error ellipse: s-maj=10.9km s-min=7.1km az=66.0.
OMAN Error ellipse: s-maj=3.4km s-min=0.9km az=17.0.
TEH Event type se. Presumed earthquake.
ISC XI 17 13 42 23.9–1.2 27.58N–.04 56.19E–.05 14–8 3.7b 77 0-34
DSN XI 17 13 42 22.1–1.5 27.75N 56.25E 10 3.3L ¶621494209
TEH XI 17 13 42 22.9 27.58N 56.12E 20 3.6L
OMAN XI 17 13 42 23.5–1.1 27.58N 56.47E 10 3.7b,3.4L
IDC XI 17 13 42 29.4–14 28.24N 55.54E 0 3.7b,3.7
ISC Event type se.
DSN Error ellipse: s-maj=20.2km s-min=13.6km az=72.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=9.3km s-min=8.1km az=54.0.
IDC Error ellipse: s-maj=296.2km s-min=38.5km az=178.0.
ISC XI 17 19 29 37.9–1.1 27.59N–.03 56.17E–.04 15–7 3.7b 105 0-91
IDC XI 17 19 29 35.8–1.3 27.71N 56.05E 0 3.8b,3.8 ¶621494229
DSN XI 17 19 29 37.6–1.3 27.69N 56.08E 10 3.8L,3.8
TEH XI 17 19 29 37.7 27.53N 56.17E 14 3.7L,3.8
OMAN XI 17 19 29 40.1–.06 27.47N 56.13E 10 3.8b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=19.9km az=15.0.
DSN Error ellipse: s-maj=16.3km s-min=9.8km az=58.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.2km s-min=0.7km az=18.0.
ISC XI 17 21 08 35.4–1.4 27.65N–.04 56.26E–.04 4–11 61 0-11
TEH XI 17 21 08 35.6 27.52N 56.20E 16 3.2L ¶621743224
DSN XI 17 21 08 36.0–.91 27.69N 56.00E 10 3.2L
OMAN XI 17 21 08 36.6–.08 27.63N 56.21E 10 3.7b,3.2L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=31.2km s-min=8.5km az=82.0.
OMAN Error ellipse: s-maj=1.6km s-min=1.1km az=352.0.
ISC XI 17 23 20 25.4–1.2 27.70N–.03 56.26E–.04 8–10 65 0-11
DSN XI 17 23 20 24.5–.82 27.79N 56.16E 10 3.0L ¶621743226
OMAN XI 17 23 20 25.6–.09 27.70N 56.23E 10 3.6b,3.0L
TEH XI 17 23 20 26.1 27.55N 56.22E 15 3.0L,3.0L
ISC Event type se.
DSN Error ellipse: s-maj=11.6km s-min=7.3km az=69.0.
OMAN Error ellipse: s-maj=1.7km s-min=1.1km az=9.0.
TEH Event type se. Presumed earthquake.
ISC XI 17 21 31 58.8–1.3 27.64N–.05 56.15E–.04 5–10 73 0-11
TEH XI 17 21 31 58.6 27.58N 56.14E 17 3.3L ¶621743225
DSN XI 17 21 31 59.2–1.5 27.72N 56.07E 10 3.1L
OMAN XI 17 21 31 59.9–.07 27.62N 56.09E 10 3.7b,3.4L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=20.9km s-min=13.1km az=63.0.
OMAN Error ellipse: s-maj=1.3km s-min=0.9km az=12.0.
ISC XI 17 23 53 46.5–.66 27.64N–.04 56.13E–.05 15 3.9s,3.5b 84 0-97
IDC XI 17 23 53 42.1–3.3 27.58N 56.43E 0 4.1L,3.7b ¶621494243
TEH XI 17 23 53 46.8 27.58N 56.19E 13 3.3L,3.7b
DSN XI 17 23 53 47.2–1.1 27.74N 56.13E 10 3.4L,3.7b
OMAN XI 17 23 53 55.8–.07 27.04N 55.95E 10 3.9b,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=63.0km s-min=27.5km az=153.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=14.4km s-min=5.6km az=50.0.
OMAN Error ellipse: s-maj=1.4km s-min=0.8km az=19.0.
ISC XI 18 21 20 07.0–1.4 27.63N–.03 56.15E–.05 12–9 3.6b 53 0-53
IDC XI 18 21 20 04.1–3.3 27.70N 56.07E 0 3.9b,3.9 ¶621532501
TEH XI 18 21 20 06.7 27.53N 56.12E 15 3.3L,3.9
DSN XI 18 21 20 07.5–1.3 27.56N 56.81E 10 3.1L,3.9
OMAN XI 18 21 20 12.6–1.7 27.36N 56.36E 10 3.2L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=71.2km s-min=31.1km az=151.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=39.0km s-min=10.4km az=118.0.
OMAN Error ellipse: s-maj=15.9km s-min=14.2km az=91.0.
ISC XI 18 16 10 42.2–.56 27.60N–.02 56.14E–.03 13–3 4.3b 378 0-117
MOS XI 18 16 10 38.9–1.6 27.43N 56.17E 10 4.6b ¶621416070
IDC XI 18 16 10 39.7–.57 27.54N 56.03E 0 4.2b,4.2
NEIC XI 18 16 10 41.7–1.3 27.68N–.03 56.00E–.08 10–1 4.4b,4.2
TEH XI 18 16 10 42.5 27.52N 56.10E 15 4.3L,4.2
GFZ XI 18 16 10 43.7–.28 28N–4.0 56E–3.0 10 4.4b,4.4
DSN XI 18 16 10 43.5–.96 27.63N 55.95E 10 4.5L,4.4
OMAN XI 18 16 10 44.5–.07 27.53N 56.17E 10 5.2,4.4L
ISC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=4.6km az=97.3.
IDC Error ellipse: s-maj=14.3km s-min=12.6km az=5.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=5.3km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DSN Error ellipse: s-maj=11.4km s-min=6.1km az=43.0.
OMAN Error ellipse: s-maj=1.3km s-min=0.8km az=2.0.
OMAN XI 18 01 49 23.2–.14 27.21N 55.79E 10 3.7b,2.4L ¶621743241
OMAN Error ellipse: s-maj=3.0km s-min=1.4km az=23.0.
ISC XI 18 02 18 15.6–1.1 27.58N–.04 56.29E–.04 13–7 3.4b 82 0-39
IDC XI 18 02 18 12.5–9.7 27.43N 56.24E 0 3.7b,3.7 ¶621532456
DSN XI 18 02 18 14.2–.86 27.76N 56.36E 10 3.3L,3.7
OMAN XI 18 02 18 14.4–.08 27.73N 56.32E 10 3.9b,3.2L
TEH XI 18 02 18 15.3 27.52N 56.27E 14 3.4L,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=198.8km s-min=29.0km az=174.0.
DSN Error ellipse: s-maj=10.3km s-min=6.4km az=56.0.
OMAN Error ellipse: s-maj=1.5km s-min=0.8km az=14.0.
TEH Event type se. Presumed earthquake.
ISC XI 19 18 52 08.9–.87 27.68N–.03 56.23E–.03 11–5 4.2b,3.3s 250 0-91
IDC XI 19 18 52 06.3–.87 27.62N 56.27E 0 4.1b,4.1 ¶621423308
MOS XI 19 18 52 06.9–1.2 27.65N 56.19E 14 4.4b,4.1
OMAN XI 19 18 52 08.3–.11 27.81N 56.29E 10 4.0b,4.0L
NEIC XI 19 18 52 08.7–1.5 27.74N–.04 56.09E–.09 10–1 4.2b,4.0L
TEH XI 19 18 52 08.6 27.59N 56.21E 14 4.0L,4.0L
GFZ XI 19 18 52 09.5–.32 28N–5.0 56E–3.0 10 4.2b,4.2
DSN XI 19 18 52 10.5–1.5 27.67N 56.08E 10 4.0L,4.2
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=14.7km az=10.0.
MOS Error ellipse: s-maj=8.3km s-min=5.8km az=79.5.
OMAN Error ellipse: s-maj=2.2km s-min=1.2km az=14.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.9km az=268.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
GFZ Error ellipse: s-maj=10.2km s-min=7.0km az=162.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
DSN Error ellipse: s-maj=18.9km s-min=12.0km az=54.0.
ISC XI 18 20 47 51.3–.91 27.94N–.04 57.70E–.06 10 51 1-11
TEH XI 18 20 47 49.9 27.98N 57.75E 8 3.6L ¶621743242
OMAN XI 18 20 47 53.2–1.3 28.02N 57.61E 10 3.6L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=12.3km s-min=9.3km az=153.0.
ISC XI 18 20 50 51.9–.68 27.64N–.05 56.34E–.05 18 3.8b 24 0-91
IDC XI 18 20 50 50.0–2.1 27.71N 56.43E 0 3.9b,3.9 ¶621532500
TEH XI 18 20 50 50.7 27.65N 56.24E 8 3.5L,3.9

ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=28.7km az=14.0.
TEH Event type se. Presumed earthquake.
ISC XI 18 23 05 21.2–.52 27.63N–.03 56.24E–.03 15 3.8b 99 0-91
IDC XI 18 23 05 18.9–1.2 27.75N 56.21E 0 3.8b,3.8 ¶621532508
DSN XI 18 23 05 21.8–1.2 27.66N 56.37E 10 3.5L,3.8
TEH XI 18 23 05 21.3 27.56N 56.22E 15 3.5L,3.8
OMAN XI 18 23 05 24.1–.07 27.47N 56.25E 10 3.9b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=19.6km az=178.0.
DSN Error ellipse: s-maj=14.7km s-min=10.3km az=69.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.3km s-min=0.7km az=6.0.
ISC XI 19 10 34 24.7–1.1 27.61N–.04 56.13E–.04 14–7 3.8b 103 0-91
IDC XI 19 10 34 21.5–1.1 27.43N 56.04E 0 4.6L,3.9b ¶621590282
TEH XI 19 10 34 24.0 27.61N 56.17E 13 3.6L,3.9b
DSN XI 19 10 34 26.3–.90 27.61N 56.04E 10 3.4L,3.9b
OMAN XI 19 10 34 26.9–.05 27.49N 56.14E 10 4.0b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=17.9km az=177.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=20.0km s-min=7.6km az=77.0.
OMAN Error ellipse: s-maj=0.9km s-min=0.6km az=8.0.
ISC XI 20 04 55 56.2–1.4 27.58N–.05 56.15E–.04 2–11 64 0-11
TEH XI 20 04 55 55.5 27.52N 56.16E 14 3.3L ¶621743271
DSN XI 20 04 55 56.2–1.5 27.66N 56.07E 10 3.4L
OMAN XI 20 04 55 56.5–.07 27.65N 56.10E 10 3.9b,3.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=22.4km s-min=14.1km az=69.0.
OMAN Error ellipse: s-maj=1.4km s-min=0.9km az=16.0.
ISC XI 21 05 55 39.6–.98 27.57N–.03 56.24E–.04 18–3 3.7b 39 0-91
IDC XI 21 05 55 36.3–1.3 27.49N 56.12E 0 3.9b,3.9 ¶621608897
TEH XI 21 05 55 38.4 27.52N 56.17E 19 3.5L,3.9
DSN XI 21 05 55 40.5–1.3 27.60N 56.50E 10 3.6L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=22.9km az=8.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=44.6km s-min=11.5km az=104.0.
ISC XI 20 18 40 52.0–1.6 27.57N–.07 56.25E–.07 12–9 28 0-10
TEH XI 20 18 40 49.5 27.64N 56.16E 17 2.7L ¶621743272
OMAN XI 20 18 40 54.7–1.2 27.39N 56.35E 10 2.7L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=12.1km s-min=11.3km az=79.0.
ISC XI 20 18 44 26.2–.36 27.73N–.03 56.19E–.03 15 4.1b,3.2s 170 0-95
IDC XI 20 18 44 22.8–.72 27.54N 56.08E 0 4.1b,4.0 ¶621590373
NEIC XI 20 18 44 25.8–.95 27.69N–.08 56.10E–.09 10–1 4.1b,4.0
DSN XI 20 18 44 26.2–1.6 27.84N 56.08E 10 3.6L,4.0
OMAN XI 20 18 44 28.6–1.1 27.55N 56.20E 10 4.0b,3.5L
TEH XI 20 18 44 28.1 27.61N 56.18E 21 3.8L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=14.9km az=20.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=12.9km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=18.9km s-min=8.3km az=43.0.
OMAN Error ellipse: s-maj=11.1km s-min=4.9km az=12.0.
TEH Event type se. Presumed earthquake.
ISC XI 20 19 17 57.1–1.6 27.66N–.05 56.19E–.04 1–10 3.7b 66 0-91
IDC XI 20 19 17 57.1–1.2 27.79N 56.32E 0 3.7,3.6b ¶621590377
TEH XI 20 19 17 57.5 27.55N 56.22E 11 3.4L,3.6b
DSN XI 20 19 17 59.1–1.0 27.64N 55.99E 10 3.5L,3.6b
OMAN XI 20 19 17 59.3–1.3 27.59N 56.04E 10 3.4L,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=24.6km az=4.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=12.5km s-min=7.2km az=49.0.
OMAN Error ellipse: s-maj=11.2km s-min=10.1km az=154.0.
ISC XI 22 03 29 34.4–.56 27.67N–.03 56.14E–.04 10 3.8b,3.3s 96 0-86
IDC XI 22 03 29 30.3–2.9 27.65N 56.12E 0 3.7,3.6L ¶621611888
TEH XI 22 03 29 36.4 27.59N 56.14E 16 3.7L,3.6L
DSN XI 22 03 29 38.6–1.2 27.59N 55.77E 10 3.6L,3.6L
OMAN XI 22 03 29 40.1–.08 27.49N 55.99E 10 3.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=56.2km s-min=19.6km az=169.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=21.1km s-min=9.5km az=61.0.
OMAN Error ellipse: s-maj=1.6km s-min=0.8km az=18.0.
ISC XI 21 22 51 06.8–.71 27.55N–.04 55.97E–.04 15 3.4b 66 0-51
IDC XI 21 22 50 57.1–7.3 26.51N 56.18E 0 3.5b,3.5 ¶621608935
TEH XI 21 22 51 06.2 27.52N 56.01E 14 3.4L,3.5
DSN XI 21 22 51 07.1–1.0 27.59N 55.87E 10 3.3L,3.5
OMAN XI 21 22 51 11.1–.08 27.33N 55.86E 17 3.2L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=163.3km s-min=30.6km az=172.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=13.0km s-min=7.6km az=48.0.
OMAN Error ellipse: s-maj=1.5km s-min=1.1km az=13.0.
ISC XI 21 19 55 28.6–1.3 27.54N–.04 56.17E–.04 7–10 33 0-7
TEH XI 21 19 55 27.8 27.54N 56.17E 10 2.9L ¶621743283
DSN XI 21 19 55 29.1–1.4 27.50N 55.50E 10 2.6L
OMAN XI 21 19 55 30.1–.85 27.46N 56.13E 10 2.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=51.4km s-min=10.1km az=62.0.
OMAN Error ellipse: s-maj=9.1km s-min=4.7km az=19.0.
ISC XI 23 08 15 26.4–1.2 27.48N–.06 56.30E–.04 10–8 55 0-10
DSN XI 23 08 15 25.9–1.3 27.64N 56.04E 10 3.3L ¶621743312
TEH XI 23 08 15 25.1 27.52N 56.27E 12 3.4L
OMAN XI 23 08 15 27.5–.72 27.37N 56.31E 10 3.1L
ISC Event type se.
DSN Error ellipse: s-maj=34.9km s-min=12.1km az=83.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=7.9km s-min=3.2km az=31.0.
ISC XI 22 00 17 17.1–1.0 27.64N–.04 56.16E–.05 15 15 0-3
TEH XI 22 00 17 17.3 27.41N 55.97E 20 2.9L ¶624418845
DSN XI 22 00 17 20.9–1.6 27.24N 55.09E 10 2.8L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=27.3km s-min=10.6km az=32.0.
ISC XI 23 02 29 10.2–1.1 27.58N–.05 56.16E–.05 15 50 0-11
TEH XI 23 02 29 07.7 27.64N 56.15E 5 3.2L ¶621743311
DSN XI 23 02 29 08.6–1.1 27.71N 55.97E 10 3.5L
OMAN XI 23 02 29 11.9–1.6 27.46N 56.07E 10 3.3L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=15.4km s-min=8.6km az=56.0.
OMAN Error ellipse: s-maj=18.6km s-min=10.7km az=29.0.
ISC XI 23 21 46 26.6–.26 28.15N–.03 59.40E–.03 10 4.8b,4.2s 713 1-121
BJI XI 23 21 46 23.4 28.38N 59.00E 10 5.1b,4.8b ¶621452729
IDC XI 23 21 46 25.4–.51 28.33N 59.43E 0 4.5b,4.5
TEH XI 23 21 46 25.3 28.23N 59.46E 9 5.1L,4.5
MOS XI 23 21 46 26.1–1.2 28.19N 59.35E 18 5.1b,4.2s
NEIC XI 23 21 46 26.7–1.5 28.20N–.07 59.31E–.08 10–1 5.0b,4.2s
THR XI 23 21 46 26.4–.00 28.09N 59.35E 14–385 5.2L,4.2s
GCMT XI 23 21 46 27.6–.20 28.04N–.01 59.40E–.01 12 4.9W,4.2s
GFZ XI 23 21 46 27.6–.19 28N–3.0 59E–2.0 10 5.2b,4.8b
DSN XI 23 21 46 27.6–.54 28.15N 59.43E 10 5.3b,4.7L
OMAN XI 23 21 46 28.3–.02 28.04N 59.42E 11 4.7L,4.7
ISC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=8.4km az=175.0.
TEH Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=5.0km s-min=3.5km az=84.4.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=9.6km az=136.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THR Event type se. Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111232146A. Moment Tensor Solution. s42,c49; s120,c191; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.03±.07 $M_{\theta\theta}$1.84±.06; $M_{\phi\phi}$-1.87±.06; $M_{r\theta}$0.77±.18; $M_{\theta\phi}$2.18±.05; $M_{\phi r}$1.11±.18; Best double couple: NP1:ϕ_s111.00000°,δ66.00000° ,λ5.00000°. NP2:ϕ_s19.00000°,δ86.00000°,λ156.00000°. Principal axes: T 3.2740,Plg20.0000°,Azm333.0000°; N -0.2280,Plg65.0000°,Azm190.0000° ; P -3.0430,Plg14.0000°,Azm68.0000° $M_0$3.15800×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
DSN Error ellipse: s-maj=10.5km s-min=5.3km az=128.0.
OMAN Error ellipse: s-maj=1.3km s-min=0.5km az=307.0.
ISC XI 23 16 49 17.1–.93 27.52N–.06 56.19E–.04 15–6 4.2b 43 0-90
IDC XI 23 16 49 13.8–2.8 27.49N 56.28E 0 3.8b,3.7 ¶621611966
TEH XI 23 16 49 16.5 27.53N 56.24E 18 2.8L,3.7
NEIC XI 23 16 49 17.6–.72 27.73N–.08 56.05E–.03 10–1 4.5b,3.7
ISC Event type se.
TEH Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 25 11 02 57.1–1.2 27.58N–.04 56.26E–.04 15–8 3.7b,2.7s 90 0-91
IDC XI 25 11 02 54.5–1.2 27.54N 56.21E 0 4.1L,3.9 ¶621618691
DSN XI 25 11 02 56.2–1.6 27.72N 56.13E 10 3.6L,3.9
TEH XI 25 11 02 56.9 27.56N 56.24E 16 3.8L,3.9
OMAN XI 25 11 02 59.6–.07 27.42N 56.24E 10 4.0b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=19.5km az=167.0.
DSN Error ellipse: s-maj=23.4km s-min=7.4km az=54.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.3km s-min=0.8km az=5.0.
ISC XI 24 02 34 26.9–.79 27.58N–.04 56.12E–.04 15 3.7b 26 0-51
IDC XI 24 02 34 23.3–9.2 27.56N 56.19E 0 3.8,3.7b ¶621613957
TEH XI 24 02 34 25.5 27.54N 56.12E 13 3.4L,3.7b
DSN XI 24 02 34 27.1–.76 27.65N 56.18E 10 3.3L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=159.5km s-min=92.4km az=147.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=36.1km s-min=6.8km az=92.0.
ISC XI 25 21 49 34.8–1.5 27.61N–.08 56.39E–.08 10 43 0-10
DSN XI 25 21 49 31.6–1.2 27.86N 55.98E 10 3.1L ¶621743367
TEH XI 25 21 49 31.0 27.54N 56.26E 9 3.1L
OMAN XI 25 21 49 44.6–.12 27.04N 56.40E 10 3.9b,2.9L
ISC Event type se.
DSN Error ellipse: s-maj=43.9km s-min=11.5km az=86.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=2.3km s-min=1.3km az=12.0.
ISC XI 27 00 31 30.6–1.4 27.55N–.05 56.08E–.05 9–10 52 0-10
TEH XI 27 00 31 28.8 27.55N 56.14E 10 2.8L ¶621743397
OMAN XI 27 00 31 29.9–1.8 27.62N 55.97E 10 3.5b,3.3L
DSN XI 27 00 31 30.4–1.1 27.64N 55.88E 10 3.4L,3.3L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=15.6km s-min=12.7km az=175.0.
DSN Error ellipse: s-maj=15.3km s-min=9.0km az=57.0.
ISC XI 26 05 57 39.8–.42 27.69N–.03 56.20E–.04 15 4.0b 124 0-91
IDC XI 26 05 57 37.6–.82 27.71N 56.19E 0 4.0b,4.0 ¶621621985
NEIC XI 26 05 57 39.6–.75 27.72N–.08 56.07E–.03 10–1 4.3b,4.0
DSN XI 26 05 57 39.1–.91 27.82N 56.23E 10 3.7L,4.0
TEH XI 26 05 57 39.5 27.58N 56.18E 17 3.8L,4.0
OMAN XI 26 05 57 41.9–.09 27.56N 56.12E 10 4.1b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=16.2km az=0.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=3.9km az=11.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=15.5km s-min=8.2km az=81.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.9km s-min=0.8km az=13.0.
ISC XI 26 11 00 02.1–.93 27.29N–.06 53.54E–.04 16 63 0-10
DSN XI 26 10 59 59.6–.62 27.58N 53.54E 10 3.2L ¶621743382
TEH XI 26 10 59 59.7 27.28N 53.51E 17 2.9L
OMAN XI 26 11 00 05.1–.87 27.06N 53.61E 10 3.3b,3.3L
ISC Event type se.
DSN Error ellipse: s-maj=7.2km s-min=4.8km az=3.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=9.9km s-min=5.2km az=15.0.
ISC XI 28 17 14 43.2–1.1 27.64N–.03 56.10E–.04 12–7 4.2b 225 0-91
MOS XI 28 17 14 40.5–1.4 27.42N 56.23E 11 4.5b ¶621494320
DSN XI 28 17 14 43.9–1.5 27.76N 55.99E 10 4.0L
TEH XI 28 17 14 43.7 27.59N 56.12E 18 4.0L
NEIC XI 28 17 14 43.6–1.6 27.71N–.03 56.0E–.10 10–1 4.2b
OMAN XI 28 17 14 43.2–.51 27.62N 55.83E 10 4.4b,3.8L
IDC XI 28 17 14 50.2–5.4 27.72N 56.07E 69–47 4.0,3.8L
ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=6.0km az=85.1.
DSN Error ellipse: s-maj=17.6km s-min=7.5km az=41.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=4.4km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=6.4km s-min=4.2km az=71.0.
IDC Error ellipse: s-maj=26.4km s-min=13.5km az=169.0.
ISC XI 26 21 29 40.6–1.2 27.62N–.04 56.22E–.04 10–8 3.7b 66 0-91
IDC XI 26 21 29 38.5–1.7 27.62N 56.24E 0 3.8b,3.8 ¶621622029
OMAN XI 26 21 29 39.1–1.5 27.81N 56.20E 10 3.7b,3.3L
DSN XI 26 21 29 41.0–1.1 27.66N 56.14E 10 3.4L,3.3L
TEH XI 26 21 29 40.5 27.52N 56.20E 14 3.4L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=28.4km az=41.0.
OMAN Error ellipse: s-maj=14.0km s-min=12.5km az=108.0.
DSN Error ellipse: s-maj=26.6km s-min=9.6km az=82.0.
TEH Event type se. Presumed earthquake.
ISC XI 27 23 42 19.3–1.4 27.58N–.04 56.21E–.04 4–10 3.6b,2.9s 51 0-89
TEH XI 27 23 42 17.2 27.57N 56.16E 5 3.4L,2.9s ¶621625151
IDC XI 27 23 42 18.6–2.0 27.53N 56.06E 0 3.7b,3.7
DSN XI 27 23 42 20.5–1.6 27.73N 56.10E 10 3.5L,3.7
OMAN XI 27 23 42 21.0–.13 27.77N 55.96E 10 3.4b,3.3L
ISC Event type se.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=49.0km s-min=25.8km az=12.0.
DSN Error ellipse: s-maj=35.8km s-min=14.1km az=81.0.
OMAN Error ellipse: s-maj=2.2km s-min=1.9km az=334.0.
IDC XI 28 12 00 06.6–3.1 27.32N 56.14E 0 3.6b,3.6 ¶621625176
IDC Error ellipse: s-maj=77.6km s-min=28.1km az=155.0.
ISC XI 27 20 41 10.5–1.1 28.07N–.05 59.43E–.05 10 26 1-6
TEH XI 27 20 41 09.7 28.23N 59.45E 10 2.9L ¶621743400
OMAN XI 27 20 41 13.2–.12 27.83N 59.65E 10 2.9L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=2.8km s-min=2.0km az=282.0.
ISC XI 30 05 04 57.8–1.6 27.56N–.05 56.19E–.05 5–14 36 0-10
TEH XI 30 05 04 55.8 27.57N 56.17E 13 2.9L ¶621743456
OMAN XI 30 05 04 58.5–1.1 27.59N 55.96E 10 3.2L
ISC Event type se.

TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=10.7km s-min=9.4km az=50.0.
ISC XI 29 21 02 42.8–.60 27.67N–.03 56.30E–.04 18 3.7b 79 0-91
IDC XI 29 21 02 39.8–2.1 27.58N 56.20E 0 3.8b,3.8 **¶621626993**
OMAN XI 29 21 02 41.8–.81 27.72N 56.31E 10 3.7b,3.6L
TEH XI 29 21 02 42.5 27.53N 56.24E 16 3.4L,3.6L
DSN XI 29 21 02 43.4–1.0 27.70N 56.10E 10 3.7L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=28.4km az=16.0.
OMAN Error ellipse: s-maj=9.0km s-min=5.3km az=37.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=14.4km s-min=4.2km az=52.0.
ISC XI 29 00 02 03.6–1.8 27.59N–.06 56.17E–.05 3–12 50 0-11
TEH XI 29 00 02 02.2 27.56N 56.20E 13 2.8L **¶621743437**
DSN XI 29 00 02 03.3–.88 27.69N 56.30E 10 2.9L
OMAN XI 29 00 02 04.9–.75 27.54N 56.16E 10 2.9L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=35.0km s-min=8.4km az=96.0.
OMAN Error ellipse: s-maj=7.8km s-min=5.8km az=40.0.
ISC XI 30 14 56 18.9–.94 27.72N–.03 56.18E–.05 15 34 0-11
OMAN XI 30 14 56 16.8–1.1 27.91N 56.08E 10 3.2L **¶621743458**
TEH XI 30 14 56 19.4 27.49N 56.05E 20 2.9L
ISC Event type se.
OMAN Error ellipse: s-maj=13.7km s-min=5.9km az=7.0.
TEH Event type se. Presumed earthquake.
ISC XI 30 03 35 30.1–.61 28.44N–.04 57.07E–.06 10 3.9b,2.9s 101 1-54
DSN XI 30 03 35 22.4–3.9 29.07N 57.12E 10 3.8L,2.9s **¶621627009**
IDC XI 30 03 35 26.9–2.8 28.22N 57.00E 0 3.8b,3.8
OMAN XI 30 03 35 29.2–1.1 28.48N 57.09E 10 3.6L,3.6b
TEH XI 30 03 35 29.8 28.39N 57.18E 9 3.8L,3.6b
NEIC XI 30 03 35 30.8–1.7 28.4N–.10 56.78E–.09 10–2 4.1b,3.6b
ISC Event type se.
TEH Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 30 03 47 47.4–.55 27.63N–.04 56.27E–.04 18 3.7b 87 0-45
OMAN XI 30 03 47 46.0–1.8 27.73N 56.29E 10 3.6L,3.4b **¶621627010**
TEH XI 30 03 47 46.4 27.55N 56.27E 16 3.8L,3.4b
NEIC XI 30 03 47 47.7–1.7 27.82N–.10 56.03E–.03 10–2 4.1b,3.4b
IDC XI 30 03 47 47.2–4.6 28.02N 56.41E 0 3.8b,3.8
DSN XI 30 03 47 50.5–2.0 27.50N 55.89E 10 3.6L,3.8
ISC Event type se.
OMAN Error ellipse: s-maj=18.9km s-min=9.6km az=13.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=4.6km az=6.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=88.3km s-min=22.7km az=171.0.
DSN Error ellipse: s-maj=38.1km s-min=16.1km az=68.0.
ISC XI 30 22 20 53.4–1.3 27.12N–.04 53.24E–.03 9–8 4.2b,3.2s 150 0-90
IDC XI 30 22 20 50.8–1.8 27.00N 53.39E 0 3.9b,3.9 **¶621564916**
TEH XI 30 22 20 50.9 27.06N 53.22E 9 3.8L,3.9
DSN XI 30 22 20 52.9–.70 27.34N 53.26E 10 4.2L,3.9
NEIC XI 30 22 20 54.0–1.1 27.17N–.09 53.29E–.08 10–1 4.3b,3.9
OMAN XI 30 22 20 57.0–.43 26.93N 53.30E 10 4.2L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=19.8km az=156.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=9.3km s-min=2.9km az=171.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.4km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=5.0km s-min=1.9km az=1.0.
ISC XII 02 02 30 32.9–.88 27.93N–.03 57.79E–.05 10 59 1-12
OMAN XII 02 02 30 28.9–.18 28.32N 57.93E 10 3.7L,3.5b **¶621743495**
DSN XII 02 02 30 30.4–1.4 28.39N 57.66E 15 3.6L,3.5b
TEH XII 02 02 30 31.9 27.95N 57.83E 8 3.6L,3.5b
ISC Event type se.
OMAN Error ellipse: s-maj=3.4km s-min=1.4km az=19.0.
DSN Error ellipse: s-maj=19.8km s-min=13.3km az=112.0.
TEH Event type se. Presumed earthquake.
ISC XII 01 01 42 32.8–1.1 27.62N–.03 56.15E–.04 14–7 4.0b 107 0-87
IDC XII 01 01 42 30.4–2.6 27.51N 56.07E 0 3.8b,3.8 **¶621629778**
NEIC XII 01 01 42 32.8–1.6 27.64N–.08 56.0E–.10 10–1 4.1b,3.8
OMAN XII 01 01 42 32.0–.64 27.68N 56.18E 10 3.6b,3.4L
TEH XII 01 01 42 33.0 27.53N 56.11E 19 3.4L,3.4L
DSN XII 01 01 42 34.5–1.6 27.64N 55.97E 10 3.5L,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=61.5km s-min=23.1km az=155.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=13.7km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=6.4km s-min=3.7km az=17.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=19.3km s-min=8.2km az=46.0.
ISC XII 01 04 53 17.9–1.5 27.59N–.05 56.20E–.04 1–13 42 0-11
DSN XII 01 04 53 15.4–1.4 27.80N 56.15E 10 3.3L **¶621743473**
TEH XII 01 04 53 16.1 27.58N 56.19E 12 3.2L
OMAN XII 01 04 53 22.2–2.5 27.35N 56.02E 10 3.0L,2.4s
ISC Event type se.
DSN Error ellipse: s-maj=36.0km s-min=13.1km az=86.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=29.6km s-min=9.8km az=11.0.
ISC XII 03 03 47 44.0–1.2 29.65N–.06 51.70E–.08 14–10 17 0-7
TEH XII 03 03 47 41.8 29.81N 51.55E 14 2.9L **¶624418948**
DSN XII 03 03 47 47.7–1.1 29.44N 51.93E 10 3.5L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=17.6km s-min=11.0km az=44.0.
ISC XII 03 20 06 13.6–1.2 27.67N–.04 56.28E–.04 12–8 3.6b 76 0-53
IDC XII 03 20 06 10.9–2.4 27.61N 56.23E 0 3.7,3.6b **¶621630618**
TEH XII 03 20 06 13.7 27.57N 56.22E 18 3.4L,3.6b
DSN XII 03 20 06 13.8–1.1 27.75N 56.17E 10 3.4L,3.6b
OMAN XII 03 20 06 15.4–.08 27.62N 56.45E 10 3.2L,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=23.0km az=160.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=43.7km s-min=10.6km az=90.0.
OMAN Error ellipse: s-maj=1.4km s-min=1.0km az=351.0.
ISC XII 03 06 20 17.1–1.2 27.56N–.06 56.20E–.05 15 54 0-11
DSN XII 03 06 20 15.1–.86 27.74N 56.56E 10 3.2L **¶621743515**
TEH XII 03 06 20 15.6 27.58N 56.20E 11 3.2L
OMAN XII 03 06 20 23.5–.91 27.09N 56.03E 10 3.2L
ISC Event type se.
DSN Error ellipse: s-maj=27.7km s-min=8.0km az=104.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=9.4km s-min=5.9km az=10.0.
ISC XII 05 20 27 22.9–1.4 27.65N–.03 56.19E–.04 1–12 49 0-11
TEH XII 05 20 27 23.5 27.54N 56.18E 12 3.1L **¶621743557**
DSN XII 05 20 27 24.4–1.6 27.65N 55.89E 10 3.4L
OMAN XII 05 20 27 25.5–1.6 27.57N 56.10E 10 3.1L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=21.9km s-min=12.8km az=54.0.
OMAN Error ellipse: s-maj=17.3km s-min=14.4km az=109.0.
ISC XII 06 08 04 22.0–.65 27.59N–.04 56.26E–.04 18 3.6b,2.9s 88 0-86
IDC XII 06 08 04 17.6–2.4 27.39N 56.34E 0 3.8b,3.8 **¶621632587**
TEH XII 06 08 04 19.8 27.61N 56.23E 17 3.6L,3.8
DSN XII 06 08 04 19.9–.86 27.82N 56.10E 10 3.7L,3.8
OMAN XII 06 08 04 28.5–.09 27.11N 56.08E 10 4.3b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=55.1km s-min=23.5km az=160.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=11.3km s-min=7.0km az=61.0.
OMAN Error ellipse: s-maj=1.9km s-min=0.8km az=35.0.
ISC XII 07 23 07 18.4–.48 27.73N–.03 56.20E–.03 10 3.7b 113 0-90
IDC XII 07 23 07 15.1–1.4 27.45N 56.24E 0 4.5s,3.7b **¶621632714**
NEIC XII 07 23 07 18.8–.59 27.74N–.09 56.1E–.10 10–1 4.1b,3.7b
DSN XII 07 23 07 19.5–1.0 27.75N 56.14E 10 3.8L,3.7b
OMAN XII 07 23 07 20.5–.10 27.60N 56.17E 10 3.7b,3.5L
TEH XII 07 23 07 20.6 27.59N 56.19E 22 3.6L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=21.7km az=159.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=15.1km az=254.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=12.6km s-min=7.9km az=57.0.
OMAN Error ellipse: s-maj=1.8km s-min=1.0km az=31.0.
TEH Event type se. Presumed earthquake.
ISC XII 06 17 10 04.3–1.3 27.68N–.04 56.20E–.04 3–10 51 0-11
OMAN XII 06 17 10 04.3–.07 27.77N 56.12E 10 3.1L,2.7b **¶621743566**
TEH XII 06 17 10 05.4 27.56N 56.23E 17 2.9L,2.7b
DSN XII 06 17 10 05.9–1.2 27.66N 55.81E 10 3.1L,2.7b
ISC Event type se.
OMAN Error ellipse: s-maj=1.4km s-min=1.1km az=24.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=27.7km s-min=10.4km az=72.0.
ISC XII 06 21 09 19.9–1.1 28.55N–.06 54.12E–.04 10 74 0-10
TEH XII 06 21 09 17.8 28.52N 54.07E 18 3.2L **¶621743567**
OMAN XII 06 21 09 22.6–.07 28.37N 54.14E 10 3.3L,3.1b
DSN XII 06 21 09 24.9–1.4 28.18N 54.02E 10 3.1L,3.1b
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.4km s-min=0.7km az=12.0.
DSN Error ellipse: s-maj=16.1km s-min=7.1km az=14.0.
ISC XII 07 19 40 14.8–.68 27.64N–.04 56.12E–.04 15 3.7b 77 0-39
TEH XII 07 19 40 14.9 27.58N 56.09E 17 3.3L **¶621743585**
DSN XII 07 19 40 16.5–1.4 27.60N 56.04E 10 3.1L
OMAN XII 07 19 40 16.9–.08 27.52N 56.10E 10 3.4b,3.0L
IDC XII 07 19 40 28.9–1.6 30.03N 56.14E 0 3.6b,3.6
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=19.0km s-min=12.3km az=63.0.
OMAN Error ellipse: s-maj=1.6km s-min=0.8km az=9.0.
IDC Error ellipse: s-maj=36.4km s-min=25.6km az=136.0.
ISC XII 09 02 01 14.2–1.2 26.82N–.03 55.20E–.04 15–10 58 1-10
DSN XII 09 02 01 12.6–1.1 26.99N 55.32E 10 3.4L **¶621743608**
OMAN XII 09 02 01 13.7–.08 26.85N 55.18E 10 3.1L
TEH XII 09 02 01 13.2 26.83N 55.22E 22 2.8L
ISC Event type se.
DSN Error ellipse: s-maj=16.5km s-min=5.3km az=30.0.
OMAN Error ellipse: s-maj=1.7km s-min=0.8km az=16.0.
TEH Event type se. Presumed earthquake.
ISC XII 08 21 46 51.6–.94 27.93N–.04 57.79E–.04 10 75 1-12
DSN XII 08 21 46 48.3–1.5 28.29N 57.73E 10 3.5L **¶621743596**
TEH XII 08 21 46 51.6 27.92N 57.76E 9 3.6L
OMAN XII 08 21 46 54.8–.06 27.79N 57.72E 10 3.6L,3.6b
ISC Event type se.
DSN Error ellipse: s-maj=21.9km s-min=15.0km az=119.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.1km s-min=0.8km az=16.0.
ISC XII 10 02 54 05.0–.68 26.75N–.03 55.14E–.04 10 3.3b 79 1-40
IDC XII 10 02 54 01.7–12 26.68N 55.10E 0 3.5b,3.5 **¶621644098**
DSN XII 10 02 54 05.6–1.4 26.82N 55.16E 10 3.7L,3.5
TEH XII 10 02 54 05.3 26.76N 55.19E 13 3.4L,3.5
OMAN XII 10 02 54 07.3–.09 26.71N 55.10E 15–1 3.4L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=247.7km s-min=42.9km az=5.0.
DSN Error ellipse: s-maj=16.1km s-min=3.8km az=9.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.7km s-min=0.7km az=13.0.
ISC XII 10 17 33 31.6–.27 27.61N–.03 56.20E–.03 10 4.6b,3.6s 517 0-117
MOS XII 10 17 33 29.3–1.2 27.51N 56.21E 12 4.7b,3.6s **¶621627195**
DSN XII 10 17 33 30.8–1.1 27.74N 56.09E 10 4.3L,3.6s
NEIC XII 10 17 33 31.6–1.5 27.66N–.06 56.12E–.05 10–1 4.6b,3.6s
OMAN XII 10 17 33 32.2–.40 27.67N 56.22E 10 4.2L,4.0b
TEH XII 10 17 33 32.0 27.51N 56.20E 19 4.3L,4.0b
GFZ XII 10 17 33 32.5–.29 28N–4.0 56E–3.0 10 5.9,5.8
IDC XII 10 17 33 35.0–5.0 27.63N 56.18E 33–37 4.3,4.1b
ISC Event type se.
MOS Error ellipse: s-maj=6.1km s-min=4.3km az=104.2.
DSN Error ellipse: s-maj=12.7km s-min=6.6km az=45.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.7km az=339.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=3.3km s-min=2.9km az=22.0.
TEH Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
IDC Error ellipse: s-maj=15.5km s-min=10.8km az=161.0.
ISC XII 10 11 59 49.5–.59 27.64N–.03 56.17E–.04 15 3.7b 88 0-90
IDC XII 10 11 59 46.5–2.1 27.53N 56.09E 0 3.8b,3.8 **¶621644126**
DSN XII 10 11 59 49.6–1.0 27.70N 56.11E 10 3.8L,3.8
TEH XII 10 11 59 49.5 27.55N 56.04E 15 3.6L,3.8
OMAN XII 10 11 59 51.6–.08 27.51N 56.18E 10 3.7b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=51.1km s-min=22.3km az=154.0.
DSN Error ellipse: s-maj=12.6km s-min=7.5km az=55.0.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.7km s-min=1.0km az=18.0.
ISC XII 13 05 12 41.4–1.4 27.63N–.03 56.09E–.05 5–10 3.7b 50 0-53
IDC XII 13 05 12 39.5–2.4 27.47N 56.11E 0 3.8b,3.8 **¶621650554**
OMAN XII 13 05 12 40.5–1.4 27.86N 56.11E 10 3.5L,3.2b
TEH XII 13 05 12 42.9 27.55N 56.17E 12 3.4L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=51.6km s-min=22.7km az=156.0.
OMAN Error ellipse: s-maj=18.5km s-min=12.5km az=89.0.
TEH Event type se. Presumed earthquake.
ISC XII 10 23 46 33.0–1.5 26.34N–.07 58.76E–.05 10 54 1-10
TEH XII 10 23 46 31.8 26.51N 58.90E 20 2.6L **¶621743622**
OMAN XII 10 23 46 36.4–.12 26.25N 58.72E 45–10 2.8L
DSN XII 10 23 46 41.8–8.1 26.15N 58.24E 50 2.6L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=4.0km s-min=1.2km az=14.0.
DSN Error ellipse: s-maj=90.4km s-min=18.4km az=63.0.
ISC XII 13 06 15 27.6–1.4 27.69N–.04 56.22E–.04 9–9 3.7b 80 0-91
IDC XII 13 06 15 25.5–1.1 27.54N 56.18E 0 3.8L,3.8b **¶621650559**
TEH XII 13 06 15 27.5 27.52N 56.17E 19 3.6L,3.8b
DSN XII 13 06 15 28.2–1.1 27.74N 56.10E 10 3.8L,3.8b
OMAN XII 13 06 15 31.3–1.0 27.49N 56.27E 10 4.2b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=19.6km az=3.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=25.2km s-min=10.1km az=83.0.
OMAN Error ellipse: s-maj=9.3km s-min=7.9km az=37.0.
ISC XII 13 22 39 27.2–.95 27.67N–.04 56.19E–.04 15 35 0-11
OMAN XII 13 22 39 27.5–1.4 27.64N 56.09E 10 2.7L **¶621743655**
TEH XII 13 22 39 27.2 27.55N 56.15E 13 2.7L
ISC Event type se.
OMAN Error ellipse: s-maj=12.4km s-min=11.7km az=179.0.

TEH Event type se. Presumed earthquake.
ISC XII 13 04 23 21.1–1.9 27.58N–.08 56.19E–.08 11–11 21 0-11
OMAN XII 13 04 23 18.5–.14 27.76N 55.65E 10 2.9L ¶621743652
TEH XII 13 04 23 19.5 27.52N 56.32E 19 2.9L
ISC Event type se.
OMAN Error ellipse: s-maj=2.5km s-min=1.8km az=358.0.
TEH Event type se. Presumed earthquake.
ISC XII 14 20 38 38.0–.71 27.68N–.03 56.25E–.04 15 3.4b 64 0-39
TEH XII 14 20 38 38.6 27.59N 56.22E 13 2.9L ¶621652955
DSN XII 14 20 38 38.5–1.2 27.69N 56.17E 10 3.0L
OMAN XII 14 20 38 42.2–1.2 27.37N 56.13E 10 3.3b,2.8L
IDC XII 14 20 38 48.0–16 29.37N 56.33E 0 3.6,3.5b
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=13.8km s-min=9.6km az=56.0.
OMAN Error ellipse: s-maj=12.6km s-min=5.7km az=22.0.
IDC Error ellipse: s-maj=341.9km s-min=36.1km az=179.0.
ISC XII 13 16 35 54.2–.66 27.63N–.04 56.24E–.05 15 3.5b 72 0-91
IDC XII 13 16 35 51.3–1.4 27.58N 56.17E 0 3.7b,3.7 ¶621650585
TEH XII 13 16 35 52.9 27.60N 56.24E 12 3.4L,3.7
DSN XII 13 16 35 54.0–1.2 27.74N 56.07E 10 3.4L,3.7
OMAN XII 13 16 35 59.1–.11 27.32N 56.16E 10 4.0b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=23.3km az=167.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=14.7km s-min=8.6km az=49.0.
OMAN Error ellipse: s-maj=2.0km s-min=1.6km az=352.0.
ISC XII 14 09 12 53.8–.42 29.71N–.04 51.13E–.04 10 4.4s,4.1b 168 0-99
NEIC XII 14 09 12 52.9–.86 29.80N–.08 51.13E–.10 10–1 4.3b,4.1b ¶621629976
IDC XII 14 09 12 52.2–2.6 29.45N 51.08E 0 4.4s,3.9b
TEH XII 14 09 12 53.7 29.67N 51.06E 9 4.1L,3.9b
DSN XII 14 09 12 58.0–1.1 29.54N 51.21E 10 4.6L,3.9b
OMAN XII 14 09 12 58.6–.09 29.55N 51.39E 10 4.0b,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=12.5km az=228.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.8km s-min=17.5km az=174.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=18.8km s-min=5.4km az=15.0.
OMAN Error ellipse: s-maj=1.7km s-min=1.3km az=343.0.
ISC XII 16 19 16 37.0–.56 28.20N–.03 57.51E–.04 30 3.6b 106 1-90
TEH XII 16 19 16 33.6 28.26N 57.51E 9 3.7L ¶621655799
DSN XII 16 19 16 37.6–4.3 28.14N 57.39E 20 3.8L
OMAN XII 16 19 16 39.0–1.1 27.93N 57.44E 10 3.7L,3.6b
IDC XII 16 19 17 00.8–5.0 28.77N 57.23E 242–48 3.7,3.6s
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=54.4km s-min=10.0km az=59.0.
OMAN Error ellipse: s-maj=8.6km s-min=7.2km az=173.0.
IDC Error ellipse: s-maj=27.1km s-min=15.4km az=163.0.
ISC XII 14 15 34 54.2–.34 27.66N–.03 56.16E–.04 15 4.3b,3.4s 211 0-91
IDC XII 14 15 34 50.9–1.1 27.69N 56.09E 0 4.1L,4.0b ¶621629977
MOS XII 14 15 34 51.5–1.3 27.56N 56.07E 13 4.4b,4.0b
TEH XII 14 15 34 53.9 27.59N 56.11E 17 4.0L,4.0b
NEIC XII 14 15 34 53.9–1.1 27.67N–.08 56.05E–.09 10–1 4.4b,4.0b
DSN XII 14 15 34 55.7–.85 27.63N 55.92E 10 4.0L,4.0b
OMAN XII 14 15 34 55.4–1.0 27.62N 56.19E 10 4.3b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=15.6km az=6.0.
MOS Error ellipse: s-maj=8.6km s-min=6.6km az=85.4.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=13.0km az=242.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=12.3km s-min=3.6km az=50.0.
OMAN Error ellipse: s-maj=9.5km s-min=7.6km az=0.0.
ISC XII 15 00 55 12.7–.46 27.66N–.03 56.27E–.03 10 4.0b 121 0-89
IDC XII 15 00 55 10.5–1.9 27.56N 56.11E 0 4.0,3.9b ¶621654066
DSN XII 15 00 55 11.7–1.5 27.82N 56.13E 10 3.8L,3.9b
NEIC XII 15 00 55 12.8–1.1 27.63N–.07 56.22E–.08 10–1 4.0b,3.9b
TEH XII 15 00 55 13.2 27.56N 56.23E 15 3.6L,3.9b
OMAN XII 15 00 55 14.1–1.1 27.58N 56.30E 10 3.6b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=22.7km az=8.0.
DSN Error ellipse: s-maj=19.1km s-min=12.2km az=61.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.8km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=11.1km s-min=5.5km az=10.0.
ISC XII 16 19 18 52.0–1.0 28.09N–.05 57.41E–.04 68–12 3.6b 89 1-90
TEH XII 16 19 18 48.1 28.10N 57.44E 17 3.9L ¶621655801
DSN XII 16 19 18 49.7–1.6 28.23N 57.16E 20 3.9L
OMAN XII 16 19 18 50.8–1.9 27.94N 57.48E 18–26 3.9L,3.7b
IDC XII 16 19 18 59.2–5.7 28.55N 57.27E 115–50 3.7,3.3b
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=26.8km s-min=16.2km az=111.0.
OMAN Error ellipse: s-maj=28.7km s-min=8.6km az=0.0.
IDC Error ellipse: s-maj=28.7km s-min=16.2km az=169.0.
ISC XII 16 19 19 34.5–4.0 27.9N–.50 57.4E–.20 30 3.8b 8 16-33
IDC XII 16 19 19 31.5–4.3 28.01N 57.47E 0 3.9L,3.9 ¶621655804
ISC Event type se.
IDC Error ellipse: s-maj=80.9km s-min=26.2km az=170.0.
ISC XII 16 15 43 23.8–1.1 29.62N–.07 52.08E–.04 10 66 0-12
TEH XII 16 15 43 22.1 29.69N 52.02E 8 2.9L ¶621743721
DSN XII 16 15 43 25.3–1.3 29.52N 52.02E 10 3.8L
OMAN XII 16 15 43 28.9–.92 29.33N 52.26E 10 3.6L,3.0b
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=23.6km s-min=3.6km az=17.0.
OMAN Error ellipse: s-maj=7.7km s-min=4.8km az=176.0.
ISC XII 16 20 25 53.5–1.8 28.13N–.08 57.41E–.06 10 56 1-11
TEH XII 16 20 25 51.6 28.16N 57.53E 12 2.9L ¶621743722
OMAN XII 16 20 25 57.0–.07 27.89N 57.28E 10 3.2L,3.1b
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.2km s-min=0.9km az=26.0.
ISC XII 16 21 06 57.1–1.9 28.09N–.04 57.34E–.09 5–15 23 1-5
TEH XII 16 21 06 59.9 28.31N 57.01E 19 2.6L ¶621743723
OMAN XII 16 21 07 05.6–2.0 27.82N 57.43E 10 2.6L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=17.8km s-min=15.1km az=116.0.
ISC XII 17 15 12 24.2–1.2 29.53N–.05 51.48E–.05 17–8 78 0-12
TEH XII 17 15 12 23.1 29.56N 51.43E 16 3.4L ¶621743749
DSN XII 17 15 12 25.8–1.2 29.25N 51.43E 10 4.0L
OMAN XII 17 15 12 25.9–1.0 29.36N 51.55E 10 3.4L,3.3b
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=31.3km s-min=7.1km az=26.0.
OMAN Error ellipse: s-maj=9.5km s-min=6.0km az=136.0.
ISC XII 16 21 24 43.2–1.5 27.59N–.07 56.31E–.04 10 57 0-11
TEH XII 16 21 24 40.9 27.63N 56.24E 8 2.8L ¶621743725
DSN XII 16 21 24 41.2–1.4 27.78N 56.02E 10 3.3L
OMAN XII 16 21 24 45.6–1.2 27.41N 56.31E 10 3.1L
ISC Event type se.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=19.8km s-min=11.8km az=60.0.
OMAN Error ellipse: s-maj=10.6km s-min=6.4km az=2.0.

ISC XII 16 23 41 20.2–1.3 25.30N–.07 61.1E–.10 29–12 68 0-11
TEH XII 16 23 41 20.1 25.49N 61.04E 24 3.3L ¶621743726
OMAN XII 16 23 41 21.4–.08 25.13N 60.89E 10 3.3L
DSN XII 16 23 41 26.0–1.5 25.24N 60.41E 10 3.0L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=1.4km s-min=0.9km az=237.0.
DSN Error ellipse: s-maj=20.7km s-min=11.0km az=140.0.
ISC XII 18 19 40 32.9–1.1 25.28N–.05 60.95E–.05 11–7 3.8b,3.2s 119 0-88
IDC XII 18 19 40 32.7–.86 25.39N 60.89E 0 3.8b,3.8 ¶621657025
TEH XII 18 19 40 32.6 25.53N 60.92E 12 3.8L,3.8
NEIC XII 18 19 40 33.9–1.4 25.51N–.07 60.9E–.10 10–1 4.0b,3.8
OMAN XII 18 19 40 34.3–1.1 25.16N 60.90E 13–19 4.1L,4.0b
DSN XII 18 19 40 39.3–2.8 25.28N 60.53E 28 3.8L,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=14.4km az=123.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=9.7km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=17.7km s-min=5.3km az=64.0.
DSN Error ellipse: s-maj=39.1km s-min=22.3km az=139.0.
ISC XII 19 14 32 01.8–1.2 27.68N–.04 56.29E–.04 14–8 3.8b 72 0-46
IDC XII 19 14 32 01.9–18 27.92N 56.27E 0 3.7b,3.7 ¶621657083
DSN XII 19 14 32 01.5–.84 27.70N 56.21E 10 3.5L,3.7
OMAN XII 19 14 32 02.1–1.0 27.57N 56.22E 10 4.2b,3.4L
TEH XII 19 14 32 02.0 27.49N 56.23E 19 3.4L,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=365.7km s-min=32.5km az=179.0.
DSN Error ellipse: s-maj=14.1km s-min=7.7km az=80.0.
OMAN Error ellipse: s-maj=9.4km s-min=5.2km az=179.0.
TEH Event type se. Presumed earthquake.
ISC XII 18 17 36 06.6–.91 25.25N–.05 60.94E–.05 10 46 0-10
TEH XII 18 17 36 04.5 25.30N 60.97E 28 2.9L ¶621743759
OMAN XII 18 17 36 06.9–.93 25.25N 61.05E 24–18 3.1L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=20.8km s-min=8.5km az=64.0.
ISC XII 21 18 55 08.0–1.4 27.68N–.04 56.34E–.04 3–10 3.5b 72 0-41
IDC XII 21 18 55 04.3–4.8 27.17N 56.37E 0 3.6b,3.6 ¶621685699
OMAN XII 21 18 55 08.0–.53 27.74N 56.37E 10 3.3b,3.1L
TEH XII 21 18 55 08.9 27.57N 56.24E 15 3.2L,3.1L
DSN XII 21 18 55 09.2–1.1 27.69N 56.10E 10 3.5L,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=98.4km s-min=26.3km az=3.0.
OMAN Error ellipse: s-maj=4.5km s-min=3.3km az=168.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=15.8km s-min=5.0km az=55.0.
ISC XII 19 17 44 38.5–1.2 29.19N–.07 53.52E–.06 10 38 1-11
TEH XII 19 17 44 38.9 29.25N 53.49E 20 2.9L ¶621743771
OMAN XII 19 17 44 40.9–1.2 28.99N 53.54E 10 3.2L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=10.7km s-min=6.0km az=12.0.
ISC XII 24 21 39 37.1–.43 29.68N–.04 51.20E–.04 10 4.1b 164 0-88
IDC XII 24 21 39 35.6–1.1 29.69N 51.12E 0 4.0b,3.9 ¶621700059
TEH XII 24 21 39 37.7 29.76N 51.11E 15 3.7L,3.9
NEIC XII 24 21 39 37.6–1.7 29.75N–.08 51.1E–.10 10–1 4.1b,3.9
DSN XII 24 21 39 41.1–1.1 29.58N 51.29E 20 4.4L,3.9
OMAN XII 24 21 39 43.1–.87 29.40N 51.50E 10 4.0b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=16.3km az=162.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=13.9km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=18.0km s-min=5.7km az=20.0.
OMAN Error ellipse: s-maj=7.0km s-min=4.9km az=167.0.
ISC XII 21 16 36 12.9–.29 27.61N–.03 56.22E–.03 15 4.5b,3.4s 441 0-119
MOS XII 21 16 36 09.9–1.0 27.56N 56.18E 10 4.7b,3.4s ¶621636622
IDC XII 21 16 36 10.0–.68 27.60N 56.21E 0 4.3b,4.3
THR XII 21 16 36 12.1–.00 27.64N 56.24E 12–3 4.5L,4.3
NEIC XII 21 16 36 12.7–1.2 27.68N–.08 56.11E–.09 10–1 4.6b,4.3
DSN XII 21 16 36 12.3–1.3 27.72N 56.26E 10 4.6L,4.3
TEH XII 21 16 36 12.3 27.55N 56.23E 18 4.6L,4.3
BJI XII 21 16 36 13.5 27.93N 56.45E 9 4.8b,4.4b
GFZ XII 21 16 36 13.6–.31 28N–5.0 56E–3.0 10 4.7b,4.7b
OMAN XII 21 16 36 13.6–.62 27.53N 56.21E 10 4.6b,4.4L
ISC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=5.3km az=98.0.
IDC Error ellipse: s-maj=16.7km s-min=12.4km az=7.0.
THR Event type se. Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=12.7km az=73.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=16.4km s-min=9.7km az=58.0.
TEH Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
OMAN Error ellipse: s-maj=6.1km s-min=4.5km az=179.0.
ISC XII 27 06 52 31.3–1.7 28.35N–.06 51.66E–.09 24 37 1-11
TEH XII 27 06 52 30.5 28.51N 51.77E 19 3.0L ¶621743779
OMAN XII 27 06 52 34.9–1.5 27.94N 51.75E 10 3.4b,3.3L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=15.7km s-min=10.8km az=25.0.
ISC XII 27 07 03 39.7–1.4 27.65N–.03 56.29E–.05 3–12 37 0-11
TEH XII 27 07 03 39.5 27.64N 56.26E 12 3.2L ¶621743780
OMAN XII 27 07 03 44.9–1.5 27.50N 56.34E 10 3.9b,3.1L
ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=16.6km s-min=12.7km az=91.0.
ISC XII 27 07 31 55.9–.52 27.69N–.02 56.26E–.02 11–3 5.1b,3.9s 1198 0-135
BJI XII 27 07 31 50.0 27.84N 55.63E 10 5.2b,5.1b ¶621653741
IDC XII 27 07 31 53.9–.43 27.67N 56.29E 0 5.0b,4.9
MOS XII 27 07 31 53.6–.94 27.61N 56.25E 11 5.3b,4.9
DSN XII 27 07 31 55.0–1.2 27.85N 56.21E 10 5.0L,4.9
NEIC XII 27 07 31 55.7–.96 27.71N–.08 56.21E–.09 10–1 5.2b,4.8
THR XII 27 07 31 55.4–.00 27.69N 56.26E 8–2 5.1L,4.8
GCMT XII 27 07 31 56.4–.30 27.61N–.02 56.17E–.02 12 4.7W,4.8
TEH XII 27 07 31 56.3 27.59N 56.27E 17 5.0L,4.8
GFZ XII 27 07 31 56.4–.12 28N–2.0 56E–2.0 10 5.4b,5.2b
OMAN XII 27 07 31 57.5–.49 27.65N 56.23E 10 5.2b,4.9
BGR XII 27 07 32 05.6 27.71N 54.76E 33 4.8b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=11.9km s-min=10.2km az=158.0.
MOS Error ellipse: s-maj=4.6km s-min=3.1km az=108.0.
DSN Error ellipse: s-maj=13.9km s-min=6.8km az=48.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=13.1km az=252.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THR Event type se. Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112270731A. Moment Tensor Solution. s32,c38; s102,c124; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.95±.04 $M_{\theta\theta}$-0.94±.06; $M_{\phi\phi}$-1.01±.06; $M_{r\theta}$-0.41±.24; $M_{\theta\phi}$-0.18±.04; $M_{\phi r}$0.23±.22; Best double couple: NP1:ϕ_s32.00000°,δ44.00000°,λ77.00000°. NP2:ϕ_s231.00000°,δ48.00000°,λ103.00000°. Principal axes: T 2.0270,Plg81.0000°,Azm211.0000°; N -0.8680,Plg9.0000°,Azm42.0000°; P -1.1600,Plg2.0000°,Azm312.0000° $M_0$1.59400×10^{16}
TEH Event type se. Presumed earthquake.

GFZ Error ellipse: s-maj=4.4km s-min=3.5km az=20.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
OMAN Error ellipse: s-maj=5.5km s-min=4.2km az=73.0.
BGR Event type ke.

ISC	**XII**	**30 01 15 30.9–.43**	**28.09N–.04**	**56.74E–.05**	**10**	**4.0b**	**160**	**1-89**
DSN	XII	30 01 15 25.3–1.2	28.48N	56.89E	10	4.0L		**¶621657279**
NEIC	XII	30 01 15 30.6–1.5	28.07N–.08	56.7E–.10	10–1	4.1b		
OMAN	XII	30 01 15 31.1–.05	28.12N	56.62E	10	3.9L,3.9b		
TEH	XII	30 01 15 31.1	28.05N	56.85E	18	4.1L,3.9b		
IDC	XII	30 01 15 37.9–5.4	28.07N	56.69E	80–49	3.8,3.8s		

ISC Event type se.
DSN Error ellipse: s-maj=15.3km s-min=10.4km az=74.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=13.5km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=1.8km s-min=0.9km az=294.0.
TEH Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=27.6km s-min=14.2km az=159.0.

ISC	**XII**	**28 04 39 09.0–.73**	**27.65N–.04**	**56.18E–.05**	**10**	**3.5b**	**46**	**0-86**
IDC	XII	28 04 39 04.5–15	27.26N	56.27E	0	3.7b,3.7		**¶621717364**
TEH	XII	28 04 39 08.5	27.63N	56.16E	11	3.3L,3.7		
DSN	XII	28 04 39 10.1–1.2	27.62N	55.55E	10	3.2L,3.7		
OMAN	XII	28 04 39 12.4–1.7	27.53N	56.28E	10	3.8b,3.1L		

ISC Event type se.
IDC Error ellipse: s-maj=292.8km s-min=35.5km az=178.0.
TEH Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=44.6km s-min=9.3km az=64.0.
OMAN Error ellipse: s-maj=18.0km s-min=12.8km az=40.0.

(354) Southwestern Pakistan.

OMAN	**VIII**	**10 03 51 04.4–.12**	**26.67N**	**62.31E**	**10**	**3.5L**		
								¶621742177

OMAN Error ellipse: s-maj=2.4km s-min=1.7km az=264.0.

ISC	**VIII**	**24 18 03 35.3–2.4**	**25.08N–.07**	**63.2E–.10**	**28**		**39**	**2-7**
TEH	VIII	24 18 03 32.0	25.09N	63.25E	10	3.8L		**¶621742267**
OMAN	VIII	24 18 03 44.9–.17	24.84N	62.57E	21–7	3.5b,3.5L		

ISC Event type se.
TEH Event type se. Presumed earthquake.
OMAN Error ellipse: s-maj=9.8km s-min=1.6km az=255.0.

(356) Off coast of Pakistan.

OMAN	**VII**	**14 02 13 06.2–.70**	**23.78N**	**62.05E**	**10**	**3.6L,3.4b**		
								¶621741920

OMAN Error ellipse: s-maj=8.3km s-min=5.6km az=158.0.

OMAN	**VIII**	**18 03 33 23.1–1.0**	**23.39N**	**63.40E**	**30**	**3.8b,3.7L**		
								¶621742232

OMAN Error ellipse: s-maj=8.8km s-min=7.4km az=145.0.

ISC	**VII**	**20 23 16 40.2–.52**	**23.89N–.07**	**65.46E–.04**	**10**	**4.0b,3.2s**	**133**	**4-86**
NEIC	VII	20 23 16 39.6–1.9	23.8N–.10	65.3E–.10	10–2	4.2b,3.2s		**¶620838902**
IDC	VII	20 23 16 39.4–3.1	23.89N	65.61E	0	3.9b,3.9		
GFZ	VII	20 23 16 40.9–.30	24N–4.0	65E–3.0	10	4.2b,4.2		
DSN	VII	20 23 16 49.9–1.7	24.34N	64.72E	10	4.3L,3.9b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=15.5km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=64.5km s-min=21.5km az=173.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DSN Error ellipse: s-maj=34.6km s-min=16.5km az=9.0.

ISC	**XI**	**12 03 39 53.5–.53**	**24.53N–.06**	**62.21E–.05**	**10**	**3.9b,3.0s**	**115**	**1-88**
IDC	XI	12 03 39 51.6–.86	24.52N	62.42E	0	3.8b,3.8		**¶621460194**
TEH	XI	12 03 39 52.5	24.52N	62.37E	28	4.1L,3.8		
NEIC	XI	12 03 39 54.2–1.5	24.6N–.20	62.3E–.10	10–1	4.3b,3.8		
OMAN	XI	12 03 40 00.8–.66	24.44N	61.88E	30	4.2b,4.1L		
DSN	XI	12 03 40 05.7–2.2	24.65N	61.33E	12	3.8L,4.1L		

ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=17.8km az=1.0.
TEH Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=19.1km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=4.8km s-min=3.6km az=78.0.
DSN Error ellipse: s-maj=31.8km s-min=18.8km az=155.0.

ISC	**VIII**	**26 00 07 46.9–.62**	**24.85N–.05**	**61.44E–.06**	**10**	**3.9b**	**92**	**3-86**
NEIC	VIII	26 00 07 48.1–.95	25.1N–.10	61.4E–.10	10–2	4.1b		**¶621058967**
OMAN	VIII	26 00 07 54.4–.20	24.63N	61.22E	29–8	3.8L		
DSN	VIII	26 00 07 58.4–2.0	25.06N	60.82E	30	3.4L		
IDC	VIII	26 00 08 13.5–9.7	26.02N	61.56E	170–89	3.9,3.3b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=15.4km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=10.8km s-min=1.5km az=243.0.
DSN Error ellipse: s-maj=29.6km s-min=16.3km az=23.0.
IDC Error ellipse: s-maj=50.9km s-min=15.9km az=166.0.

OMAN	**XI**	**26 02 34 37.5–.09**	**24.68N**	**62.58E**	**96–2**	**3.6b,3.1L**		
								¶621743380

OMAN Error ellipse: s-maj=1.6km s-min=1.2km az=276.0.

SEISMIC REGION 30.
Middle East-Crimea-Eastern Balkans.

(357) Ukraine-Moldova-Southwestern Russia region.

ISC	**IX**	**23 03 17 56.0–1.0**	**48.99N–.02**	**26.00E–.02**	**6–6**	**4.4b**	**482**	**1-90**
NAO	IX	23 03 17 50.5	48.92N	25.97E	33	3.8b		**¶621106383**
MOS	IX	23 03 17 54.2–1.1	49.02N	26.07E	4	4.5b		
PRU	IX	23 03 17 55.5	49.28N	26.35E	1	4.3		
IDC	IX	23 03 17 55.5–.46	48.93N	25.98E	0	4.1b,4.0		
SIGU	IX	23 03 17 56.0	48.99N	25.88E	5	4.1b,4.0		
MCSM	IX	23 03 17 57.8–.30	49N–2.0	26E–4.0	6	4.3,4.0		
GFZ	IX	23 03 17 58.5–.57	49N–2.0	26E–2.0	15–4	4.5,4.5b		
NEIC	IX	23 03 17 58.0–2.0	48.97N–.04	25.98E–.04	16–4	4.5b,4.5b		
CFUSG	IX	23 03 18 59.2	48.71N	26.69E	3	4.0,3.5s		

ISC Event type se.
NAO Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=4.4km s-min=4.2km az=40.9.
IDC Error ellipse: s-maj=7.3km s-min=6.7km az=136.0.
GFZ Error ellipse: s-maj=6.2km s-min=4.0km az=49.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**19 02 21 27.1–1.1**	**48.88N–.06**	**37.00E–.09**	**10**		**42**	**4-21**
IDC	IX	19 02 21 21.8–1.1	48.33N	36.94E	0	3.3,3.1b		**¶621113601**
CFUSG	IX	19 02 21 25.7	49.02N	37.23E	5	3.2s,3.1b		
MCSM	IX	19 02 21 25.9–1.1	48N–6.0	37E–3.0	12–6	3.7,3.4b		

ISC Event type se.

IDC	**X**	**12 08 32 37.6–901**	**45.01N**	**39.15E**	**0**			
								¶621236932

IDC Error ellipse: s-maj=358.9km s-min=193.7km az=26.0.

IDC	**X**	**14 11 33 08.9–891**	**45.79N**	**37.55E**	**0**			
								¶621240636

IDC Error ellipse: s-maj=355.7km s-min=187.7km az=26.0.

IDC	**X**	**12 09 01 31.4–874**	**45.90N**	**37.93E**	**0**			
								¶621236933

IDC Error ellipse: s-maj=349.7km s-min=187.7km az=25.0.

IDC	**XI**	**26 11 40 43.3–786**	**46.59N**	**38.70E**	**0**			
								¶621621997

IDC Error ellipse: s-maj=318.1km s-min=179.2km az=21.0.

IDC	**X**	**20 10 55 15.3–848**	**46.15N**	**38.13E**	**0**			
								¶621246595

IDC Error ellipse: s-maj=343.1km s-min=184.8km az=22.0.

MCSM	**X**	**25 06 07 18.1–.70**	**48N–7.0**	**37E–4.0**	**11–4**	**3.6,3.0b**		
								¶626596726

ISC	**X**	**27 01 44 57.6–.79**	**48.12N–.01**	**22.96E–.01**	**8–5**		**210**	**0-63**
SIGU	X	27 01 44 57.0	48.12N	22.98E	13			**¶621241119**
BEO	X	27 01 44 57.7–.90	48.11N	22.50E	0–4	2.7L		
KRSZO	X	27 01 44 58.4–1.2	48.09N	22.91E	6–10	3.2L		
PRU	X	27 01 44 58.5	48.26N	23.01E	10	3.2L		
IDC	X	27 01 44 59.0–1.1	48.59N	22.75E	0	3.6s,3.5b		

ISC Event type ke.
BEO Event type ke.
KRSZO Event type ke. Error ellipse: s-maj=9.2km s-min=5.9km az=58.0.
IDC Error ellipse: s-maj=16.3km s-min=10.9km az=11.0.

MCSM	**XII**	**15 14 21 29.0–1.2**	**49N–3.0**	**24E–12**	**5–3**	**2.5**		
								¶626593712

MCSM	**XII**	**21 10 00 04.2–1.1**	**49N–11**	**34E–17**	**0**	**2.3**		
IDC	XII	21 10 00 03.4–6.4	49.15N	33.73E	0	3.5,2.7L		**¶621685677**

IDC Error ellipse: s-maj=58.2km s-min=31.7km az=174.0.

(358) Romania.

ISC	**VII**	**06 11 20 00.5–.57**	**45.57N–.02**	**26.41E–.03**	**141–4**	**4.1b**	**365**	**0-135**
NAO	VII	06 11 19 27.2	43.20N	26.75E	33	3.4b		**¶620752027**
BEO	VII	06 11 19 50.5–.70	45.80N	27.83E	129–4	4.0L		
SIGU	VII	06 11 20 00.1	45.57N	26.44E	133	3.5b		
IDC	VII	06 11 20 00.5–.53	45.68N	26.40E	135–5	3.8,3.5b		
BUC	VII	06 11 20 00.4–.19	45.58N	26.45E	136–1	4.3L,3.5b		
NEIC	VII	06 11 20 00.4–1.1	45.59N–.05	26.48E–.09	136–6	4.1b,3.5b		
GFZ	VII	06 11 20 00.5–.38	46N–3.0	27E–3.0	134–4	3.9b,3.8		
MCSM	VII	06 11 20 00.5–.40	46N–3.0	27E–3.0	130–4	3.9b,3.8		
CFUSG	VII	06 11 20 00.1	45.50N	26.42E	100	3.9b,3.7		
SOF	VII	06 11 20 02.6	45.48N–.02	26.32E–.02	119–29	4.0,3.7		

ISC Event type ke.
BEO Event type ke.
BUC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SOF Event type ke.

ISC	**VII**	**09 13 38 30.5–1.3**	**45.51N–.03**	**26.34E–.03**	**146–6**		**144**	**0-6**
BUC	VII	09 13 38 32.2–.28	45.49N	26.36E	130–2	3.8L		**¶621883228**
MCSM	VII	09 13 38 32.2–.90	46N–6.0	26E–6.0	128–8	4.0b,3.7		
BEO	VII	09 13 38 35.5–.40	45.42N	25.92E	125	2.9L,3.7		

ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=176.0.
BEO Event type ke.

ISC	**VII**	**12 00 09 27.4–.74**	**45.56N–.02**	**26.48E–.02**	**121–4**	**3.3b**	**298**	**0-38**
BEO	VII	12 00 09 25.0–1.1	45.70N	27.06E	92–7	3.6L		**¶620787523**
NAO	VII	12 00 09 26.9	45.83N	26.15E	33	3.2b		
IDC	VII	12 00 09 27.9–.80	45.83N	26.16E	108–7	3.3,3.2s		
MCSM	VII	12 00 09 28.8–.50	46N–4.0	26E–5.0	109–7	4.0b,3.8		
SIGU	VII	12 00 09 28.0	45.59N	26.54E	120	4.0b,3.8		
SOF	VII	12 00 09 29.3	45.51N–.01	26.43E–.01	110–1	3.9,3.8		
BUC	VII	12 00 09 29.1–.17	45.55N	26.49E	108–1	4.1L,3.8		
CFUSG	VII	12 00 09 30.6	45.47N	26.94E	70	3.6,3.4s		
AFAD	VII	12 00 09 32.0	45.26N	26.97E	6–4	3.5L,3.4s		

ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=15.2km az=123.0.
SOF Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=21.0.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**12 23 51 15.1–1.2**	**45.80N–.02**	**26.78E–.02**	**126–5**		**199**	**0-6**
BEO	VII	12 23 51 08.0–.60	45.93N	27.97E	110	3.2L		**¶620804945**
BUC	VII	12 23 51 16.5–.21	45.78N	26.79E	113–1	3.6L		
MCSM	VII	12 23 51 16.4–.60	46N–4.0	27E–3.0	108–8	3.5		
CFUSG	VII	12 23 51 16.8	45.78N	27.01E	100	3.2,2.6s		
SOF	VII	12 23 51 18.3	45.66N–.02	26.65E–.01	101–3	3.3,2.6s		

ISC Event type ke.
BEO Event type ke.
BUC Event type ke.
SOF Event type ke.

ISC	**VII**	**17 17 15 38.0–1.4**	**45.65N–.03**	**26.42E–.03**	**162–7**		**138**	**0-4**
BEO	VII	17 17 15 30.3–.80	45.66N	27.98E	138–4	3.1L		**¶620833199**
BUC	VII	17 17 15 40.1–.22	45.63N	26.47E	146–1	3.5L		
SOF	VII	17 17 15 41.7	45.52N–.01	26.41E–.01	130–2	3.5		

ISC Event type ke.
BEO Event type ke.
BUC Event type ke.
SOF Event type ke.

ISC	**VIII**	**11 09 31 20.9–.47**	**45.48N–.03**	**26.23E–.02**	**142–4**	**4.0b**	**465**	**0-70**
BEO	VIII	11 09 31 09.6–.70	45.47N	27.94E	139–4	4.0L		**¶620980053**
GFZ	VIII	11 09 31 20.8–.26	46N–2.0	26E–3.0	142–3	4.2b,4.0		
MOS	VIII	11 09 31 20.1–.69	45.50N	26.27E	143	4.2b,4.0		
IDC	VIII	11 09 31 20.9–.51	45.63N	26.13E	133–3	3.7,3.4b		
NEIC	VIII	11 09 31 21.0–1.4	45.47N–.05	26.25E–.05	136–5	4.2b,3.4b		
MCSM	VIII	11 09 31 20.9–1.0	45N–7.0	26E–6.0	132–10	5.2b,4.8b		
BUC	VIII	11 09 31 21.5–.15	45.47N	26.26E	134–1	4.2L,4.8b		
SIGU	VIII	11 09 31 21.0	45.51N	26.23E	134	4.2L,4.8b		
NAO	VIII	11 09 31 21.5	46.20N	26.95E	33	3.2b,4.8b		
CFUSG	VIII	11 09 31 22.6	45.47N	26.49E	129	3.7,3.4s		
SOF	VIII	11 09 31 23.8	45.39N–.01	26.21E–.01	117–2	4.4,3.4s		
PRU	VIII	11 09 31 45.3	46.57N	24.20E	25	4.4,3.4s		

ISC Event type ke.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=6.3km s-min=3.8km az=81.6.
IDC Error ellipse: s-maj=14.8km s-min=9.1km az=141.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=2.7km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUC Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=2.0.
NAO Event type se. Presumed earthquake.
SOF Event type ke.

ISC	**VIII**	**07 08 24 40.1–1.5**	**45.70N–.03**	**26.58E–.03**	**149–7**		**103**	**0-4**
BUC	VIII	07 08 24 40.9–.21	45.69N	26.58E	142–1	3.6L		**¶620976045**
SOF	VIII	07 08 24 41.8	45.59N–.01	26.55E–.01	134–1	3.5		

ISC Event type ke.
BUC Event type ke.
SOF Event type ke.

ISC	**VIII**	**01 17 57 10.2–.88**	**46.84N–.01**	**27.40E–.02**	**20–4**	**3.8b,3.2s**	**485**	**0-58**
IDC	VIII	01 17 57 08.1–.75	46.77N	27.35E	0	3.7,3.6b		**¶620925707**
MOS	VIII	01 17 57 08.3–1.0	46.86N	27.45E	12	4.4b,3.6b		
PRU	VIII	01 17 57 09.3	47.36N	27.93E	0	4.3,3.6b		
GFZ	VIII	01 17 57 09.6–.27	47N–2.0	28E–3.0	10	4.1,4.0b		
NEIC	VIII	01 17 57 09.5–2.0	46.81N–.05	27.49E–.09	10–1	4.3b,4.0b		
BUC	VIII	01 17 57 10.2–.16	46.80N	27.43E	3–1	4.1L,4.0b		
MCSM	VIII	01 17 57 10.1–.20	47N–2.0	27E–2.0	10	4.4,4.3b		
SIGU	VIII	01 17 57 10.0	46.78N	27.37E	20	4.4,4.3b		
SOF	VIII	01 17 57 10.4	46.71N–.04	27.41E–.03	10	3.8,4.3b		
CFUSG	VIII	01 17 57 11.6	46.73N	27.50E	24	4.2,3.7s		
BEO	VIII	01 17 57 12.1–.70	46.71N	27.37E	14–4	3.6L,3.7s		

ISC Event type ke.
IDC Error ellipse: s-maj=14.4km s-min=9.7km az=122.0.
MOS Error ellipse: s-maj=5.5km s-min=4.3km az=115.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.4km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUC Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=46.0.
SOF Event type ke.
BEO Event type ke.
ISC IX 07 02 01 16.9–1.0 45.28N–.01 24.07E–.01 4–9 253 0-8
CFUSG IX 07 02 01 15.1 45.30N 24.15E 11 3.5,3.4b **¶621039490**
SOF IX 07 02 01 15.5 45.25N–.01 24.11E–.01 8–1 4.0,3.4b
SIGU IX 07 02 01 16.0 45.34N 24.14E 8 4.0,3.4b
BUC IX 07 02 01 16.9–.15 45.32N 24.06E 2–1 3.5L,3.4b
BEO IX 07 02 01 17.0–.30 45.30N 24.10E 8–1 3.4L,3.4b
PRU IX 07 02 01 18.7 45.13N 23.91E 1 3.4L,3.4b
ISC Event type ke.
SOF Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=28.0.
BEO Event type ke.
ISC IX 01 10 32 11.4–.47 45.67N–.03 26.41E–.02 153–4 4.3b 730 0-136
BEO IX 01 10 32 01.7–.60 45.95N 27.86E 132–3 4.3L **¶621012722**
MOS IX 01 10 32 10.5–.71 45.66N 26.45E 154 4.4b
SIGU IX 01 10 32 10.1 45.68N 26.46E 153 4.4b
NEIC IX 01 10 32 11.5–2.2 45.67N–.07 26.43E–.09 150–5 4.4b
IDC IX 01 10 32 11.5–.31 45.72N 26.31E 148–3 4.2,3.8b
BUC IX 01 10 32 11.7–.14 45.63N 26.45E 145–1 4.5L,3.8b
MCSM IX 01 10 32 11.4–.30 46N–3.0 27E–3.0 145–5 4.5b,4.2b
MED_R IX 01 10 32 11.0 45.65N 26.48E 154 4.4W,4.2b
CFUSG IX 01 10 32 11.3 45.70N 26.50E 150 4.1b,3.8s
GFZ IX 01 10 32 12.1–.18 46N–2.0 26E–2.0 138–2 4.2b,4.1
SOF IX 01 10 32 12.3 45.57N–.01 26.37E–.01 142–2 4.7,4.1
NAO IX 01 10 32 18.0 46.65N 25.84E 33 3.9b,4.1
ISC Event type ke.
BEO Event type ke.
MOS Error ellipse: s-maj=4.3km s-min=3.3km az=108.8.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.5km az=215.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.3km s-min=9.2km az=167.0.
BUC Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=17.0.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}2.30±.50 $M_{\theta\theta}$-1.64±1.11; $M_{\phi\phi}$0.00±1.21; $M_{r\theta}$3.58±.68; $M_{\theta\phi}$-1.21±.93; $M_{\phi r}$0.19±.41; NP1:ϕ_s217.00000°,δ21.00000°,λ49.00000°. NP2:ϕ_s81.00000°,δ74.00000°,λ104.00000°. Principal axes: T 4.4600,Plg58.0000°,Azm10.0000°; N -0.3200,Plg14.0000°,Azm257.0000°; P -4.1300,Plg28.0000°,Azm159.0000° M_o4.29000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SOF Event type ke.
NAO Event type se. Presumed earthquake.
ISC IX 09 05 17 30.7–.72 45.35N–.02 25.20E–.02 10 73 0-4
BUC IX 09 05 17 30.9–.13 45.37N 25.21E 3 2.8L **¶621044117**
BEO IX 09 05 17 30.3–.30 45.16N 25.38E 10 2.8L
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=5.0.
BEO Event type ke.
ISC IX 18 18 04 59.8–1.3 45.66N–.03 26.51E–.02 149–6 236 0-5
BEO IX 18 18 04 51.4–.80 45.80N 27.89E 115–4 2.8L **¶621082992**
BUC IX 18 18 05 01.6–.23 45.66N 26.52E 134–1 3.5L
ISC Event type ke.
BEO Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=7.0.
ISC IX 09 08 57 13.3–.91 45.36N–.02 25.19E–.01 8–7 170 0-39
CFUSG IX 09 08 57 11.3 45.40N 25.20E 5 3.4b,3.2 **¶621044248**
SOF IX 09 08 57 11.9 45.29N–.02 25.19E–.02 2–1 3.5,3.2
IDC IX 09 08 57 12.9–1.7 45.44N 25.27E 0 3.4,3.3b
BEO IX 09 08 57 13.9–.40 45.18N 25.36E 10–4 3.5L,3.3b
SIGU IX 09 08 57 13.0 45.36N 25.18E 3 3.5L,3.3b
BUC IX 09 08 57 14.0–.09 45.36N 25.19E 1 3.5L,3.3b
ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=12.4km az=1.0.
BEO Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=3.0.
ISC IX 10 17 31 14.1–.67 45.54N–.02 26.41E–.02 146–4 3.6b 329 0-119
NAO IX 10 17 30 49.2 43.57N 25.47E 33 3.5b **¶621059035**
BEO IX 10 17 31 03.0–.70 45.59N 27.97E 126–4 3.6L
SIGU IX 10 17 31 13.0 45.55N 26.44E 144 3.6L
IDC IX 10 17 31 13.8–.74 45.62N 26.48E 137–5 3.5,3.2b
MCSM IX 10 17 31 14.2–.30 46N–2.0 26E–3.0 139–3 3.9b,3.8
CFUSG IX 10 17 31 14.5 45.80N 26.70E 150 3.6,3.4s
BUC IX 10 17 31 14.5–.17 45.53N 26.44E 136–1 4.1L,3.4s
GFZ IX 10 17 31 16.3–.36 46N–3.0 26E–3.0 116–5 4.8b,4.1
SOF IX 10 17 31 18.9 45.08N–.08 26.31E–.03 10–18 4.0,4.1
ISC Event type ke.
NAO Event type se. Presumed earthquake.
BEO Event type ke.
BUC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SOF Event type ke.
ISC XI 02 07 56 54.0–1.2 47.99N–.02 23.66E–.02 3–10 88 0-4
MCSM XI 02 07 56 53.8–.30 48N–6.0 24E–3.0 4–3 2.8 **¶621252460**
SIGU XI 02 07 56 54.0 47.98N 23.71E 8 2.8
KRSZO XI 02 07 56 54.9–1.8 47.92N 23.58E 4–16 2.9L
BUC XI 02 07 56 55.6–.42 47.95N 23.68E 10–1 2.9L
ISC Event type ke.
KRSZO Event type ke. Error ellipse: s-maj=18.5km s-min=7.8km az=46.0.
BUC Event type ke. Error ellipse: s-maj=3.1km s-min=1.7km az=1.0.
ISC X 15 03 06 51.4–1.3 45.66N–.03 26.48E–.02 158–6 211 0-4
BEO X 15 03 06 43.3–1.0 45.59N 27.92E 119–5 3.0L **¶621202371**
BUC X 15 03 06 53.4–.28 45.63N 26.50E 141–2 3.6L
ISC Event type ke.
BEO Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=172.0.
BUC X 22 10 11 05.8–.20 46.04N 25.79E 2 1.5L
¶621391357
BUC Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=6.0.
BUC X 03 19 22 43.0–.34 45.53N 26.44E 115–2 3.1L
¶621117491
BUC Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=165.0.
BUC X 04 08 47 42.5–.22 46.05N 25.79E 9–2 1.1L
¶621395314
BUC Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=151.0.
BUC IX 24 17 43 35.9–.29 45.73N 26.72E 128–2 3.5L
¶621109748
BUC Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=86.0.
ISC X 09 19 34 34.3–.80 45.59N–.01 26.49E–.01 11–5 221 0-5
SOF X 09 19 34 33.9 45.63N–.02 26.47E–.01 18–2 3.7 **¶621144043**
BUC X 09 19 34 34.6–.10 45.58N 26.50E 9–1 3.0L
BEO X 09 19 34 35.0–.70 45.55N 26.45E 15–2 2.8L
ISC Event type ke.
SOF Event type ke.
BUC Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=167.0.
BEO Event type ke.
ISC XI 09 15 20 23.3–1.1 45.41N–.02 25.89E–.02 70–5 168 0-6
BUC XI 09 15 20 23.5–.15 45.43N 25.89E 68–2 3.5L **¶621883506**
SOF XI 09 15 20 23.3 45.39N–.01 25.98E 66–2 3.4
BEO XI 09 15 20 23.9–.80 45.39N 25.95E 52–5 2.7L
CFUSG XI 09 15 20 24.1 45.30N 26.40E 28 3.2,2.8s
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=16.0.
SOF Event type ke.
BEO Event type ke.

ISC XI 17 18 52 54.8–.95 45.58N–.02 27.02E–.02 33–3 165 0-6
SOF XI 17 18 52 52.3 45.37N–.02 26.94E–.01 5–5 3.7 **¶621883546**
BEO XI 17 18 52 53.7–.70 45.64N 27.02E 37–3 2.7L
SIGU XI 17 18 52 54.1 45.60N 27.05E 29 2.9b
CFUSG XI 17 18 52 54.2 45.57N 27.23E 10 3.5,2.6s
BUC XI 17 18 52 55.0–.09 45.60N 27.05E 29–0 3.1L,2.6s
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=15.0.
ISC XII 06 07 22 10.5–1.2 45.81N–.02 26.67E–.02 95–5 138 0-6
SOF XII 06 07 22 10.9 45.76N–.01 26.61E–.02 90–2 3.3 **¶621883648**
MCSM XII 06 07 22 10.5–.50 46N–4.0 27E–6.0 88–5 3.1
BUC XII 06 07 22 11.2–.22 45.79N 26.66E 87–2 3.6L
CFUSG XII 06 07 22 11.4 46.00N 27.00E 66 3.1,3.1b
ISC Event type ke.
SOF Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=32.0.
ISC XI 30 16 20 57.1–.80 45.72N–.02 26.69E–.02 137–4 3.5b 276 0-52
BEO XI 30 16 20 51.0–.70 45.90N 27.63E 103–3 3.8L **¶621532548**
SIGU XI 30 16 20 56.1 45.77N 26.73E 134 3.5b
MCSM XI 30 16 20 57.8–.90 46N–4.0 27E–5.0 125–7 6.1b,5.8
IDC XI 30 16 20 57.8–.85 45.97N 26.48E 118–13 3.7,3.4s
BUC XI 30 16 20 57.8–.20 45.69N 26.73E 125–1 4.1L,3.4s
SOF XI 30 16 20 58.6 45.59N–.01 26.65E–.01 120–1 4.4,3.4s
CFUSG XI 30 16 20 59.5 45.81N 26.95E 118 3.5,3.2s
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=43.3km s-min=16.8km az=104.0.
BUC Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=21.0.
SOF Event type ke.
ISC XII 02 16 20 52.5–1.5 45.49N–.04 26.30E–.03 152–8 105 0-4
BEO XII 02 16 20 44.5–3.1 45.39N 27.94E 140–2 3.3L **¶621883628**
BUC XII 02 16 20 55.4–.28 45.46N 26.36E 128–2 3.5L
ISC Event type ke.
BEO Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=164.0.
ISC XII 07 13 40 00.1–1.3 45.75N–.03 26.73E–.02 114–5 160 0-6
BEO XII 07 13 39 56.7–.80 45.71N 27.44E 87–4 3.1L **¶621883662**
BUC XII 07 13 40 01.5–.19 45.73N 26.76E 102–1 3.7L
SOF XII 07 13 40 01.6 45.7N–.10 26.62E–.02 100–2 3.4
CFUSG XII 07 13 40 02.3 46.10N 27.10E 87 3.0,3.0s
ISC Event type ke.
BEO Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=17.0.
SOF Event type ke.
ISC XII 17 00 04 18.2–.73 45.61N–.02 26.47E–.02 112–4 3.7b 293 0-52
BEO XII 17 00 04 13.7–1.0 45.42N 27.22E 96–6 3.5L **¶621631487**
SOF XII 17 00 04 17.4 45.63N–.01 26.47E–.01 116–2 4.2
SIGU XII 17 00 04 18.1 45.61N 26.48E 103 4.2
BUC XII 17 00 04 18.3–.16 45.59N 26.49E 104–1 4.0L
IDC XII 17 00 04 18.4–.71 45.72N 26.57E 95–19 3.8,3.5b
CFUSG XII 17 00 04 19.9 45.58N 26.86E 100 3.5s,2.9
ISC Event type ke.
BEO Event type ke.
SOF Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=27.0.
IDC Error ellipse: s-maj=38.1km s-min=26.5km az=52.0.
ISC XII 26 21 45 22.4–1.6 45.66N–.04 26.41E–.03 153–8 111 0-3
BUC XII 26 21 45 23.3–.22 45.64N 26.41E 144–1 3.5L **¶621883771**
SOF XII 26 21 45 27.8 45.1N–.10 26.38E–.06 5–26 3.2
ISC Event type ke.
BUC Event type ke.
SOF Event type ke.
ISC XII 24 09 28 57.3–.93 45.74N–.02 21.55E–.02 6–7 87 0-3
KRSZO XII 24 09 28 56.7–1.5 45.75N 21.56E 0–3 2.7L **¶621883757**
BUC XII 24 09 28 57.1–.18 45.75N 21.57E 2 2.2L
BEO XII 24 09 28 57.2–.20 45.73N 21.53E 3–1 2.3L
ISC Event type ke.
KRSZO Event type ke. Error ellipse: s-maj=8.4km s-min=6.6km az=161.0.
BUC Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=120.0.
BEO Event type ke.
ISC XII 30 14 56 58.3–.77 45.85N–.02 26.78E–.02 87–4 297 0-68
IDC XII 30 14 56 59.0–1.1 45.85N 26.98E 65–22 3.3,2.9b **¶621657529**
SIGU XII 30 14 56 59.0 45.85N 26.77E 83 3.3,2.9b
BUC XII 30 14 57 00.5–.14 45.84N 26.78E 76–1 4.0L,2.9b
SOF XII 30 14 57 01.9 45.68N–.01 26.62E–.01 80–1 4.1,2.9b
BEO XII 30 14 57 02.4–.70 45.70N 26.65E 45–3 3.2L,2.9b
CFUSG XII 30 14 57 03.9 45.83N 27.17E 50 3.7s,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=19.8km az=4.0.
BUC Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=25.0.
SOF Event type ke.
BEO Event type ke.

(359) Bulgaria.

ISC VIII 06 04 56 28.2–.97 42.31N–.02 22.99E–.02 9–8 108 0-3
SOF VIII 06 04 56 27.9 42.31N 23.00E–.01 13–1 3.1 **¶621800375**
BEO VIII 06 04 56 28.3–.30 42.33N 22.99E 7–1 2.6L
THE VIII 06 04 56 30.4 42N–3.0 23E–4.0 0–2 2.6,2.6
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ISC IX 03 22 50 09.2–1.1 43.36N–.02 26.19E–.02 4–9 60 0-4
SOF IX 03 22 50 08.1 43.39N–.01 26.17E 13–3 2.7 **¶624430938**
BEO IX 03 22 50 10.2–.40 43.34N 26.11E 0 2.2L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ISC IX 03 13 11 08.8–.89 43.38N–.02 26.16E–.02 13–7 52 0-4
SOF IX 03 13 11 08.4 43.42N–.03 26.20E–.01 13–3 2.9 **¶624430937**
BEO IX 03 13 11 12.0–.60 43.33N 25.97E 15–4 2.3L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ISC VIII 16 09 13 07.3–.96 43.40N–.02 27.74E–.02 16–8 97 0-5
SOF VIII 16 09 13 07.4 43.46N–.01 27.75E–.01 27–1 3.2 **¶624430903**
BEO VIII 16 09 13 11.3–.80 43.36N 27.27E 4–9 2.8L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ISC X 04 01 42 47.0–.79 42.67N–.02 23.24E–.02 11–4 58 0-3
SOF X 04 01 42 46.9 42.68N 23.24E–.01 13–1 3.0 **¶624430996**
BEO X 04 01 42 47.1–.20 42.66N 23.24E 10–1 2.2L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ISC IX 04 21 16 38.2–.85 43.34N–.02 26.17E–.02 16–6 109 0-4
SOF IX 04 21 16 37.8 43.38N–.01 26.17E–.01 14–1 3.0 **¶624430940**
BEO IX 04 21 16 38.5–.50 43.36N 25.98E 3–6 2.7L
AFAD IX 04 21 16 44.0 43.18N 26.52E 62–41 2.2L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
AFAD Event type se. Presumed earthquake.
BEO XI 16 12 12 05.6–.30 42.05N 24.03E 3–3 1.6L
¶625380903
BEO Event type ke.
ISC X 11 03 49 32.2–.79 43.12N–.01 27.44E–.02 7–5 204 0-18
SOF X 11 03 49 31.8 43.16N–.01 27.45E–.01 8–1 3.4 **¶621144623**
IDC X 11 03 49 32.5–1.9 43.19N 27.71E 0 3.1,2.8L

ISK	X	11 03 49 32.2	43.11N	27.43E	10–0	3.3L,2.8L	
BEO	X	11 03 49 33.1–.70	43.19N	27.51E	13–7	3.6L,2.8L	
CFUSG	X	11 03 49 34.9	43.09N	27.39E	35	2.8,2.8s	
AFAD	X	11 03 49 34.1	43.00N	27.67E	7–5	2.8L,2.8s	
ISC	Event type ke.						
SOF	Event type ke.						
IDC	Error ellipse: s-maj=33.1km s-min=13.1km az=59.0.						
ISK	Event type ke.						
BEO	Event type ke.						
AFAD	Event type se. Presumed earthquake.						
ISC	**XI**	**16 12 45 52.1–1.1**	**42.05N–.03**	**23.98E–.03**	**7–10**		**40 0-2**
SOF	XI	16 12 45 51.7	42.04N	23.98E–.01	15–1	2.5	**¶624427365**
SKO	XI	16 12 45 51.3	42.17N	24.02E	0	2.5	
BEO	XI	16 12 45 53.0–.30	42.04N	23.91E	3–3	2.0L	
ISC	Event type ke.						
SOF	Event type ke.						
BEO	Event type ke.						
ISC	**XII**	**25 02 29 36.4–.96**	**43.02N–.02**	**23.02E–.02**	**10–8**		**82 0-4**
SOF	XII	25 02 29 36.1	43.02N	23.01E	13–1	2.9	**¶624427408**
BEO	XII	25 02 29 36.2–.30	43.04N	23.06E	8–2	2.1L	
ISC	Event type ke.						
SOF	Event type ke.						
BEO	Event type ke.						
ISC	**XI**	**25 10 13 34.9–.87**	**42.37N–.01**	**23.50E–.02**	**10–6**		**161 0-5**
SOF	XI	25 10 13 34.5	42.38N	23.50E	15–1	3.6	**¶622050518**
THE	XI	25 10 13 35.3	42N–2.0	23E–2.0	5–2	3.2,3.2	
BEO	XI	25 10 13 35.0–.30	42.39N	23.50E	9–1	3.2L,3.2	
SKO	XI	25 10 13 35.9	42.38N	23.45E	8	3.0L,3.2	
ISC	Event type ke.						
SOF	Event type ke.						
BEO	Event type ke.						
ISC	**XI**	**26 13 40 06.4–1.6**	**42.52N–.04**	**23.11E–.09**	**6–15**		**11 0-1**
SKO	XI	26 13 40 05.6	42.57N	22.93E	13	2.4L	**¶624427389**
SOF	XI	26 13 40 06.6	42.50N–.01	23.08E–.01	0–1	2.5	
ISC	Event type ke.						
SOF	Event type ke.						
ISC	**XII**	**17 11 25 36.6–1.1**	**42.54N–.04**	**22.03E–.03**	**9–10**		**31 0-2**
SOF	XII	17 11 25 36.1	42.51N–.01	22.01E–.01	15–1	2.8	**¶624427405**
BEO	XII	17 11 25 37.4–.40	42.52N	22.03E	1–2	1.8L	
ISC	Event type ke.						
SOF	Event type ke.						
BEO	Event type ke.						

(360) Black Sea.

ISC	**IX**	**23 14 17 39.5–1.1**	**42.20N–.02**	**34.48E–.02**	**11–10**		**59 1-3**
CFUSG	IX	23 14 17 39.2	42.21N	34.36E	20	2.9,2.8s	**¶621818936**
AFAD	IX	23 14 17 40.6	42.11N	34.48E	11–2	2.6L,2.8s	
ISK	IX	23 14 17 41.1	42.10N	34.46E	9–0	2.6L,2.8s	
ISC	Event type ke.						
AFAD	Event type se. Presumed earthquake.						
ISK	Event type ke.						
ISC	**VIII**	**26 23 10 09.8–1.4**	**42.07N–.05**	**29.36E–.08**	**22–7**		**17 1-6**
CFUSG	VIII	26 23 10 05.8	42.08N	29.55E	0	3.0,3.0s	**¶621370269**
ISK	VIII	26 23 10 07.3	42.07N	29.49E	14–0	3.3L,3.0s	
MCSM	VIII	26 23 10 08.5–1.1	42N–3.0	30E–6.0	14–10	3.1,3.1b	
AFAD	VIII	26 23 10 14.3	41.82N	30.26E	24–2	3.3L,3.1b	
ISC	Event type ke.						
ISK	Event type ke.						
AFAD	Event type se. Presumed earthquake.						
ISC	**XI**	**18 09 57 03.9–1.8**	**43.20N–.03**	**35.52E–.08**	**15–12**		**33 2-3**
CFUSG	XI	18 09 57 05.4	43.18N	35.53E	25	2.7,2.6s	**¶621927643**
AFAD	XI	18 09 57 06.7	42.92N	35.23E	17–3	2.4L,2.6s	
ISC	Event type se.						
AFAD	Event type se. Presumed earthquake.						
IDC	**X**	**15 10 45 14.2–999**	**43.69N**	**37.10E**	**0**		**¶621242059**
IDC	Error ellipse: s-maj=470.0km s-min=215.6km az=23.0.						
ISC	**XII**	**15 22 54 14.0–1.4**	**43.29N–.03**	**38.20E–.02**	**3–10**		**203 1-31**
MOS	XII	15 22 54 13.5	43.35N	38.26E	3–0	4.2	**¶621654149**
IDC	XII	15 22 54 14.2–.89	43.28N	38.32E	0	3.5,3.3L	
ISK	XII	15 22 54 16.0	43.19N	38.20E	5–0	3.2L,3.3L	
CFUSG	XII	15 22 54 17.4	43.28N	38.26E	22	3.0,2.8s	
AFAD	XII	15 22 54 21.0	43.16N	38.37E	35–182	3.1L,2.8s	
ISC	Event type ke.						
MOS	Event type se.						
IDC	Error ellipse: s-maj=16.5km s-min=9.1km az=163.0.						
ISK	Event type ke.						
AFAD	Event type se. Presumed earthquake.						

(361) Crimea region.

ISC	**VIII**	**09 18 08 04.6–1.4**	**44.39N–.04**	**33.12E–.03**	**7–11**		**81 0-8**
CFUSG	VIII	09 18 08 04.5	44.41N	33.18E	23		**¶620979385**
MCSM	VIII	09 18 08 05.5–.70	44N–2.0	33E–3.0	15–6	4.2b,3.6b	
ISC	Event type se.						
ISC	**IX**	**11 06 33 08.4–.99**	**44.55N–.03**	**36.71E–.02**	**16–7**	**3.3b**	**257 1-43**
MOS	IX	11 06 33 07.9	44.43N	36.80E	13–0	4.5	**¶621069038**
IDC	IX	11 06 33 07.7–.74	44.68N	36.61E	0	3.6L,3.6	
MCSM	IX	11 06 33 10.3–.50	45N–4.0	37E–4.0	10–3	4.3b,4.1b	
CFUSG	IX	11 06 33 11.2	44.71N	36.81E	43	3.5s,3.2	
AFAD	IX	11 06 33 17.0	44.08N	36.37E	6–4	2.9L,3.2	
NAO	IX	11 06 33 31.4	45.49N	33.76E	33	3.3b,3.2	
ISC	Event type se.						
MOS	Event type se.						
IDC	Error ellipse: s-maj=13.2km s-min=10.1km az=172.0.						
AFAD	Event type se. Presumed earthquake.						
NAO	Event type se. Presumed earthquake.						

(362) Western Caucasus.

ISC	**VII**	**02 20 35 23.9–1.2**	**43.65N–.04**	**39.38E–.02**	**5–10**		**66 0-5**
CFUSG	VII	02 20 35 24.9	43.73N	39.48E	17		**¶621927613**
MOS	VII	02 20 35 24.0	43.69N	39.39E	6–0	3.9	
ISC	Event type se.						
MOS	Event type se.						
ISC	**VII**	**20 22 03 06.1–1.0**	**43.43N–.03**	**41.21E–.02**	**10–9**		**42 0-3**
TIF	VII	20 22 03 05.7	43.49N	41.18E	10–2		**¶621412382**
MOS	VII	20 22 03 06.1	43.44N	41.23E	11–0	3.5	
ISC	Event type se.						
MOS	Event type se.						
ISC	**VIII**	**06 10 05 20.2–1.1**	**42.54N–.03**	**43.44E–.04**	**5–11**		**28 1-2**
NOGSR	VIII	06 10 05 20.4	42.56N	43.47E	12–0	3.7	**¶625006262**
AFAD	VIII	06 10 05 21.0	42.51N	43.30E	3–8	2.4L	
ISC	Event type se.						
NOGSR	Event type se.						
AFAD	Event type se. Presumed earthquake.						
ISC	**VIII**	**28 00 12 55.9–1.1**	**41.42N–.03**	**44.02E–.02**	**8–9**		**44 0-2**
NOGSR	VIII	28 00 12 53.7	41.39N	44.05E	14–0	3.2	**¶621370314**
ISK	VIII	28 00 12 55.3	41.44N	44.00E	7–0	2.4L	
AZER	VIII	28 00 12 56.9	41.14N	44.06E	15	1.8L	
AFAD	VIII	28 00 12 57.1	41.42N	43.86E	6–2	1.7L	
ISC	Event type ke.						
NOGSR	Event type se.						
ISK	Event type ke.						
AFAD	Event type se. Presumed earthquake.						
ISC	**VIII**	**06 08 55 39.4–.99**	**41.43N–.01**	**44.49E–.01**	**8–9**		**217 0-17**
NOGSR	VIII	06 08 55 37.0	41.38N	44.52E	9–0	4.2	**¶620970781**
TIF	VIII	06 08 55 38.5	41.44N	44.49E	12–0	4.2	
MOS	VIII	06 08 55 38.5	41.50N	44.63E	4–0	4.2	
ISK	VIII	06 08 55 38.4	41.41N	44.54E	7–0	3.3L	
AFAD	VIII	06 08 55 39.7	41.40N	44.40E	11–0	2.9L	
AZER	VIII	06 08 55 40.1	41.44N	44.67E	8	3.4L	
DAGSR	VIII	06 08 55 43.7	41.49N	45.05E	30	3.4L	
ISC	Event type ke.						
NOGSR	Event type se.						
MOS	Event type se.						
ISK	Event type ke.						
AFAD	Event type se. Presumed earthquake.						
DAGSR	Event type se.						
ISC	**VIII**	**16 21 51 02.6–1.1**	**41.15N–.03**	**44.01E–.03**	**10–10**		**66 0-4**
TIF	VIII	16 21 51 02.6	41.17N	43.93E	10–0		**¶620990401**
AZER	VIII	16 21 51 03.6	41.17N	44.09E	10	3.1L	
ISC	Event type ke.						
ISC	**VIII**	**22 22 24 17.2–2.1**	**41.31N–.04**	**44.17E–.08**	**5–12**		**44 1-4**
AZER	VIII	22 22 24 19.9	41.12N	44.28E	3	2.8L	**¶625044393**
DAGSR	VIII	22 22 24 19.4	41.26N	43.96E	13	2.8L	
ISC	Event type se.						
DAGSR	Event type se.						
ISC	**VIII**	**09 03 24 03.4–1.1**	**41.20N–.02**	**44.01E–.02**	**7–10**		**87 0-4**
TIF	VIII	09 03 24 03.1	41.19N	43.94E	10–0		**¶621412391**
DAGSR	VIII	09 03 24 04.0	41.13N	43.72E	15		
AZER	VIII	09 03 24 05.2	41.22N	44.12E	16	3.5L	
ISC	Event type se.						
DAGSR	Event type se.						
ISC	**IX**	**05 23 36 56.2–.77**	**44.62N–.04**	**38.25E–.02**	**69–7**	**3.4b**	**148 1-26**
IDC	IX	05 23 36 52.1–1.0	44.78N	38.24E	0	3.5,3.4b	**¶621086427**
CFUSG	IX	05 23 36 56.2	44.39N	38.16E	37	3.0,2.9s	
MOS	IX	05 23 36 56.3	44.59N	38.19E	62–4	4.4,2.9s	
ISC	Event type se.						
IDC	Error ellipse: s-maj=20.1km s-min=12.6km az=27.0.						
MOS	Event type se.						
ISC	**IX**	**17 16 47 41.8–1.2**	**41.37N–.04**	**44.05E–.03**	**3–12**		**24 0-2**
NOGSR	IX	17 16 47 41.5	41.36N	44.04E	11–0	3.5	**¶625046461**
AZER	IX	17 16 47 42.6	41.14N	44.03E	16	2.1L	
ISC	Event type se.						
NOGSR	Event type se.						
ISC	**IX**	**08 09 32 30.5–.86**	**42.38N–.02**	**44.94E–.02**	**6–6**		**106 0-3**
NOGSR	IX	08 09 32 28.8	42.39N	44.94E	16–0	4.1	**¶621412396**
TIF	IX	08 09 32 29.2	42.42N	44.94E	10–0	4.1	
MOS	IX	08 09 32 29.0	42.38N	44.92E	20–0	3.8	
AZER	IX	08 09 32 30.5	42.22N	44.98E	2	2.9L	
DAGSR	IX	08 09 32 31.6	42.40N	45.07E	18	2.9L	
ISC	Event type se.						
NOGSR	Event type se.						
MOS	Event type se.						
DAGSR	Event type se.						
ISC	**IX**	**17 16 50 32.7–.77**	**44.69N–.04**	**37.41E–.02**	**32–5**	**3.1b**	**126 0-44**
IDC	IX	17 16 50 28.1–.80	44.82N	37.28E	0	3.4b,3.4	**¶621081719**
CFUSG	IX	17 16 50 31.8	44.69N	37.50E	34	3.1,3.1s	
MOS	IX	17 16 50 31.6	44.66N	37.47E	30–0	4.1,3.1s	
ISC	Event type se.						
IDC	Error ellipse: s-maj=13.6km s-min=9.0km az=17.0.						
MOS	Event type se. #FELT I=II-III MSK at Novorossiysk.						
ISC	**IX**	**26 15 07 58.0–1.0**	**42.52N–.01**	**43.45E–.01**	**4–8**	**3.4b**	**187 0-42**
DAGSR	IX	26 15 07 56.8	42.71N	43.12E	11	3.4b	**¶621110428**
TIF	IX	26 15 07 57.8	42.53N	43.54E	11–0	3.4b	
NOGSR	IX	26 15 07 57.8	42.51N	43.43E	5–0	4.1	
IDC	IX	26 15 07 58.5–1.5	42.54N	43.51E	0	3.4,3.3b	
MOS	IX	26 15 07 58.5	42.51N	43.41E	3–0	4.2,3.3b	
ISC	Event type se.						
DAGSR	Event type se.						
NOGSR	Event type se.						
IDC	Error ellipse: s-maj=23.6km s-min=18.7km az=5.0.						
MOS	Event type se.						
IDC	**X**	**12 12 16 05.2–975**	**44.98N**	**37.31E**	**0**		**¶621236950**
IDC	Error ellipse: s-maj=391.1km s-min=196.9km az=26.0.						
MOS	**X**	**12 00 22 12.9**	**43.19N**	**42.85E**	**3–0**	**3.7**	
NOGSR	X	12 00 22 13.2	43.17N	42.85E	6–0	3.8	**¶625561387**
MOS	Event type se.						
NOGSR	Event type se.						
ISC	**X**	**25 18 09 24.9–.87**	**42.55N–.02**	**43.45E–.02**	**7–6**		**92 0-3**
TIF	X	25 18 09 24.3	42.55N	43.49E	10–0		**¶621821207**
MOS	X	25 18 09 24.3	42.54N	43.44E	3–0	3.7	
NOGSR	X	25 18 09 24.6	42.53N	43.41E	4–0	3.8	
ISK	X	25 18 09 25.6	42.64N	43.21E	5–0	2.6L	
AFAD	X	25 18 09 26.5	42.48N	43.23E	17–1	2.5L	
DAGSR	X	25 18 09 26.1	42.73N	43.10E	13	2.5L	
ISC	Event type ke.						
MOS	Event type se.						
NOGSR	Event type se.						
ISK	Event type ke.						
AFAD	Event type se. Presumed earthquake.						
DAGSR	Event type se.						
ISC	**X**	**18 01 00 07.1–1.1**	**41.45N–.02**	**44.01E–.02**	**2–10**		**92 1-3**
ISK	X	18 01 00 07.5	41.38N	44.00E	4–0	2.4L	**¶621820735**
AFAD	X	18 01 00 09.6	41.37N	43.79E	22–1	2.2L	
AZER	X	18 01 00 11.0	41.44N	44.32E	10	2.6L	
DAGSR	X	18 01 00 10.5	41.39N	43.97E	1	2.6L	
ISC	Event type ke.						
ISK	Event type ke.						
AFAD	Event type se. Presumed earthquake.						
DAGSR	Event type se.						
ISC	**X**	**13 21 05 27.5–1.7**	**41.42N–.03**	**44.13E–.05**	**4–12**		**28 1-2**
MOS	X	13 21 05 25.7	41.40N	44.03E	6–0	3.2	**¶625046892**
AZER	X	13 21 05 26.0	41.48N	44.26E	3	2.0L	
NOGSR	X	13 21 05 26.2	41.40N	44.06E	2–0	3.2	
DAGSR	X	13 21 05 27.6	41.18N	44.42E	54	3.2	
ISC	Event type se.						
MOS	Event type se.						
NOGSR	Event type se.						
DAGSR	Event type se.						
ISC	**XI**	**03 16 54 57.6–1.2**	**41.43N–.03**	**44.08E–.04**	**6–13**		**22 0-2**
AZER	XI	03 16 54 58.1	41.21N	44.29E	3	1.9L	**¶625047091**
NOGSR	XI	03 16 54 58.3	41.38N	43.92E	20–0	3.2	
ISC	Event type se.						
NOGSR	Event type se.						
ISC	**XI**	**04 09 50 36.2–.93**	**42.52N–.01**	**43.49E–.01**	**6–7**		**215 0-28**
IDC	XI	04 09 50 33.3–1.4	44.83N	41.98E	0	3.5b,3.3L	**¶621262049**
TIF	XI	04 09 50 35.2	42.53N	43.54E	12–0	3.5b,3.3L	
ISK	XI	04 09 50 35.9	42.59N	43.33E	5–0	3.5L,3.3L	
NOGSR	XI	04 09 50 35.5	42.50N	43.41E	11–0	4.4,3.3L	
MOS	XI	04 09 50 35.8	42.51N	43.41E	5–0	4.2,3.3L	
AFAD	XI	04 09 50 35.1	42.53N	43.57E	12–1	3.3L,3.3L	
DAGSR	XI	04 09 50 36.0	42.93N	42.97E	24	3.3L,3.3L	
ISC	Event type ke.						
IDC	Error ellipse: s-maj=22.8km s-min=17.6km az=46.0.						
ISK	Event type ke.						
NOGSR	Event type se.						
MOS	Event type se.						
AFAD	Event type se. Presumed earthquake.						
DAGSR	Event type se.						
ISC	**XI**	**13 12 22 33.1–1.3**	**41.38N–.04**	**44.07E–.05**	**7–13**		**22 0-3**
NOGSR	XI	13 12 22 33.5	41.10N	43.68E	43–0	3.6	**¶625008855**
AFAD	XI	13 12 22 40.9	39.65N	42.97E	7–11	2.1L	
ISC	Event type se.						
NOGSR	Event type se.						
AFAD	Event type se. Presumed earthquake.						
ISC	**XI**	**12 07 00 59.6–1.1**	**41.73N–.02**	**44.51E–.02**	**11–11**		**60 1-3**
NOGSR	XI	12 07 00 58.0	41.72N	44.51E	20–0	3.4	**¶625008795**
AZER	XI	12 07 00 59.9	41.62N	44.52E	13	2.4L	
MOS	XI	12 07 00 59.1	41.74N	44.52E	5–0	3.5	
AFAD	XI	12 07 01 00.8	41.70N	44.33E	6–2	1.9L	
DAGSR	XI	12 07 01 02.1	41.93N	44.56E	30	1.9L	

ISC Event type se.
NOGSR Event type se.
MOS Event type se.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.

ISC	**XI**	**16 19 28 17.0–1.2**	**41.17N–.02**	**44.26E–.02**	**2–10**		**76**	**1-4**
ISK	XI	16 19 28 17.5	41.11N	44.23E	5–0	2.6L		¶621822880
AZER	XI	16 19 28 17.7	41.16N	44.35E	6	2.8L		
NOGSR	XI	16 19 28 17.6	41.11N	44.23E	19–0	3.6		
AFAD	XI	16 19 28 19.2	41.16N	44.13E	7–2	2.6L		
DAGSR	XI	16 19 28 20.6	41.15N	44.36E	10	2.6L		

ISC Event type ke.
ISK Event type ke.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.

ISC	**XI**	**18 12 51 37.3–1.1**	**42.33N–.03**	**42.98E–.04**	**5–13**		**26**	**1-2**
AFAD	XI	18 12 51 37.5	42.34N	42.86E	6–2	2.4L		¶625008930
NOGSR	XI	18 12 51 37.3	42.33N	42.96E	11–0	3.4		

ISC Event type se.
AFAD Event type se. Presumed earthquake.
NOGSR Event type se.

ISC	**XI**	**16 17 20 07.2–1.3**	**41.13N–.04**	**44.35E–.03**	**4–11**		**21**	**1-2**
NOGSR	XI	16 17 20 08.3	41.11N	44.19E	22–0	3.1		¶625047258
AZER	XI	16 17 20 09.1	40.94N	44.39E	14	2.0L		

ISC Event type se.
NOGSR Event type se.

ISC	**XI**	**16 18 43 33.9–1.0**	**41.19N–.02**	**44.28E–.01**	**8–9**		**114**	**1-4**
NOGSR	XI	16 18 43 31.9	41.12N	44.26E	9–0	3.8		¶621822879
TIF	XI	16 18 43 33.2	41.22N	44.29E	11–0	3.8		
AZER	XI	16 18 43 33.8	41.17N	44.34E	12	3.2L		
ISK	XI	16 18 43 34.3	41.10N	44.23E	5–0	2.8L		
DAGSR	XI	16 18 43 34.8	41.27N	44.24E	10	2.8L		
AFAD	XI	16 18 43 35.3	41.15N	44.16E	7–3	2.9L		

ISC Event type ke.
NOGSR Event type se.
ISK Event type ke.
DAGSR Event type se.
AFAD Event type se. Presumed earthquake.

ISC	**XI**	**21 03 48 18.5–.99**	**41.37N–.01**	**44.06E–.01**	**10–9**		**170**	**0-4**
NOGSR	XI	21 03 48 16.8	41.33N	44.09E	8–0	3.8		¶621427855
TIF	XI	21 03 48 18.3	41.40N	44.09E	12–0	3.8		
MOS	XI	21 03 48 18.0–1.9	41.32N	43.96E	8	3.8b		
ISK	XI	21 03 48 18.0	41.35N	44.15E	5–0	2.6L		
AFAD	XI	21 03 48 20.0	41.33N	43.94E	2–3	2.5L		
DAGSR	XI	21 03 48 21.3	41.29N	44.06E	20	2.5L		
AZER	XI	21 03 48 21.2	41.30N	44.30E	10	2.8L		

ISC Event type ke.
NOGSR Event type se.
MOS Error ellipse: s-maj=7.9km s-min=4.7km az=72.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.

ISC	**XI**	**19 23 58 29.5–1.0**	**41.38N–.02**	**44.01E–.02**	**8–9**		**86**	**0-3**
NOGSR	XI	19 23 58 28.5	41.34N	44.07E	1–0	3.9		¶621823101
ISK	XI	19 23 58 28.9	41.38N	44.01E	2–0	2.2L		
AFAD	XI	19 23 58 30.1	41.39N	43.84E	7–3	2.1L		
AZER	XI	19 23 58 30.0	41.33N	44.05E	10	2.7L		

ISC Event type ke.
NOGSR Event type se.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**XI**	**22 00 50 01.6–1.1**	**42.38N–.02**	**44.62E–.02**	**1–10**		**96**	**1-4**
AZER	XI	22 00 50 01.4	42.35N	44.40E	13	2.5L		¶625047326
MOS	XI	22 00 50 01.7	42.36N	44.62E	5–0	3.6		
NOGSR	XI	22 00 50 01.6	42.37N	44.62E	3–0	3.5		
DAGSR	XI	22 00 50 03.3	42.43N	44.92E	9	3.5		

ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.

ISC	**XI**	**27 20 16 08.5–1.0**	**41.18N–.02**	**44.03E–.02**	**8–11**		**58**	**0-3**
AZER	XI	27 20 16 08.8	41.19N	44.03E	5	2.7L		¶622130550
TIF	XI	27 20 16 08.2	41.19N	44.01E	10–1	2.7L		
NOGSR	XI	27 20 16 08.5	41.09N	43.94E	14–0	3.6		

ISC Event type se.
NOGSR Event type se.

ISC	**XI**	**29 04 47 29.5–1.4**	**41.28N–.04**	**44.02E–.04**	**6–12**		**20**	**0-2**
NOGSR	XI	29 04 47 28.3	41.25N	44.07E	15–0	3.2		¶625047398
AZER	XI	29 04 47 30.8	41.00N	44.12E	3	2.0L		

ISC Event type se.
NOGSR Event type se.

ISC	**XI**	**28 05 54 20.2–1.1**	**42.58N–.02**	**43.49E–.02**	**4–10**		**94**	**0-3**
MOS	XI	28 05 54 20.3	42.58N	43.39E	4–0	3.8		¶621823664
NOGSR	XI	28 05 54 20.2	42.58N	43.46E	11–0	4.1		
ISK	XI	28 05 54 21.0	42.65N	43.21E	5–0	2.6L		
AFAD	XI	28 05 54 22.0	42.49N	43.39E	19–1	2.7L		

ISC Event type ke.
MOS Event type se.
NOGSR Event type se.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**XII**	**24 17 17 08.7–1.1**	**41.16N–.02**	**44.36E–.02**	**5–10**		**97**	**1-4**
TIF	XII	24 17 17 10.3	41.15N	44.39E	14–1			¶621825244
AZER	XII	24 17 17 11.9	41.11N	44.57E	5	3.3L		
DAGSR	XII	24 17 17 11.1	41.16N	44.35E	1	3.3L		
ISK	XII	24 17 17 12.3	40.97N	44.32E	5–0	3.0L		

ISC Event type ke.
DAGSR Event type se.
ISK Event type ke.

ISC	**XII**	**11 00 25 52.7–1.1**	**41.39N–.03**	**44.01E–.02**	**7–10**		**42**	**0-2**
NOGSR	XII	11 00 25 50.8	41.36N	44.00E	14–0	3.2		¶621824488
AZER	XII	11 00 25 52.6	41.22N	44.29E	3	1.8L		
ISK	XII	11 00 25 53.4	41.35N	43.98E	7–0	1.8L		
AFAD	XII	11 00 25 54.0	41.41N	43.87E	6–4	1.6L		

ISC Event type ke.
NOGSR Event type se.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**XII**	**04 14 26 11.5–1.0**	**43.11N–.02**	**42.31E–.01**	**5–9**		**172**	**0-4**
ISK	XII	04 14 26 10.5	43.41N	41.63E	21–0	3.5L		¶621612452
TIF	XII	04 14 26 10.7	43.11N	42.33E	5–1	3.5L		
AFAD	XII	04 14 26 11.3	43.02N	42.14E	8–2	3.2L		
MOS	XII	04 14 26 12.1	43.14N	42.29E	1–0	4.1		
NOGSR	XII	04 14 26 12.8	43.24N	42.45E	7–0	4.0		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
MOS Event type se.
NOGSR Event type se.

ISC	**XII**	**06 07 05 51.2–1.2**	**41.32N–.03**	**44.02E–.03**	**1–11**		**39**	**1-2**
AFAD	XII	06 07 05 51.5	41.33N	43.94E	6–4	1.9L		¶621824190
ISK	XII	06 07 05 51.0	41.32N	44.05E	4–0	2.1L		
NOGSR	XII	06 07 05 52.5	41.48N	44.01E	5–0	3.1		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
NOGSR Event type se.

ISC	**XII**	**10 18 17 15.8–1.2**	**42.43N–.02**	**42.24E–.03**	**4–10**		**68**	**1-3**
TIF	XII	10 18 17 14.6	42.44N	42.24E	6–0			¶621824446
ISK	XII	10 18 17 15.1	42.50N	41.83E	2–0	2.9L		
AFAD	XII	10 18 17 16.6	42.36N	42.13E	7–2	2.6L		
NOGSR	XII	10 18 17 16.1	42.44N	42.29E	5–0	3.5		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NOGSR Event type se.

ISC	**XII**	**29 08 40 49.4–.00**	**42.53N–.02**	**43.54E–.04**	**14–9**		**35**	**0-2**
NOGSR	XII	29 08 40 48.1	42.54N	43.52E	15–0	3.3		¶625009553
AFAD	XII	29 08 40 50.7	42.51N	43.26E	11–1	2.1L		

ISC Event type se.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.

ISC	**XII**	**29 01 54 38.6–1.1**	**42.49N–.02**	**43.39E–.03**	**1–10**		**43**	**0-2**
NOGSR	XII	29 01 54 38.6	42.51N	43.44E	1–0	3.1		¶625009542
AFAD	XII	29 01 54 41.7	42.42N	43.19E	8–4	1.8L		

ISC Event type se.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.

ISC	**XII**	**30 01 02 38.4–1.0**	**42.52N–.02**	**43.47E–.02**	**9–9**		**73**	**0-3**
MOS	XII	30 01 02 37.9	42.52N	43.42E	3–0	3.5		¶621816566
NOGSR	XII	30 01 02 37.6	42.51N	43.49E	8–0	3.6		
AFAD	XII	30 01 02 39.1	42.46N	43.48E	10–2	2.2L		
DAGSR	XII	30 01 02 39.8	42.40N	43.45E	10	2.2L		
ISK	XII	30 01 02 40.8	42.57N	43.37E	6–0	2.5L		

ISC Event type ke.
MOS Event type se.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISK Event type ke.

ISC	**XII**	**30 08 04 09.0–1.1**	**42.54N–.02**	**43.54E–.03**	**7–10**		**38**	**0-3**
ISK	XII	30 08 04 08.8	42.67N	43.24E	2–0	2.8L		¶621816584
NOGSR	XII	30 08 04 08.5	42.53N	43.50E	11–0	3.6		

ISC Event type ke.
ISK Event type ke.
NOGSR Event type se.

ISC	**XII**	**30 20 04 00.7–.72**	**41.34N–.01**	**44.03E–.01**	**9–5**	**3.6b**	**300**	**0-75**
NOGSR	XII	30 20 03 59.4	41.35N	44.02E	12–0	4.4		¶621657642
TIF	XII	30 20 04 00.4	41.44N	43.99E	12–0	4.4		
MOS	XII	30 20 04 00.8	41.38N	44.01E	9–0	4.5		
DAGSR	XII	30 20 04 01.9	41.14N	44.01E	50	4.5		
AZER	XII	30 20 04 02.0	41.50N	44.28E	8	3.7L		
IDC	XII	30 20 04 02.5–4.1	41.57N	44.07E	0	3.6b,3.6		
AFAD	XII	30 20 04 02.3	41.37N	43.83E	6–3	3.4L,3.6		
ISK	XII	30 20 04 02.7	41.49N	44.14E	29–0	3.5L,3.6		

ISC Event type ke.
NOGSR Event type se.
MOS Event type se.
DAGSR Event type se.
IDC Error ellipse: s-maj=69.2km s-min=18.7km az=42.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

(363) Greece-Bulgaria border region.

ISC	**VII**	**06 00 05 46.4–.70**	**41.01N–.01**	**23.46E–.01**	**17–4**	**3.2b**	**369**	**0-42**
IDC	VII	06 00 05 44.9–.94	41.00N	23.48E	0	3.4,3.3b		¶620734439
ATH	VII	06 00 05 45.8	41.01N	23.40E	9–1	3.6L,3.3b		
PDG	VII	06 00 05 45.2–.50	41.00N	23.44E	16–0	3.5L,3.3b		
THE	VII	06 00 05 46.4	41.0N–.70	23.4E–1.0	4–1	3.8,3.8		
BEO	VII	06 00 05 46.8–.30	41.06N	23.40E	7–1	3.4L,3.8		
SKO	VII	06 00 05 46.7	41.03N	23.39E	1	3.8L,3.8		
ISK	VII	06 00 05 48.1	40.96N	23.47E	31–0	3.8L,3.8		
AFAD	VII	06 00 05 48.6	40.89N	23.95E	9–2	3.6W,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=16.2km s-min=12.9km az=85.0.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/07/06 00:06:56, This location: 2021/07/06 00:21:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**11 12 59 23.6–.92**	**41.95N–.03**	**23.13E–.04**	**11–8**		**30**	**0-2**
SOF	VII	11 12 59 22.9	41.95N–.01	23.10E–.01	15–1	2.5		¶621041851
BEO	VII	11 12 59 24.0–.30	41.94N	23.13E	2–2	1.8L		

ISC Event type ke.
SOF Event type ke.
BEO Event type ke.

ISC	**VII**	**22 01 54 43.4–.94**	**41.77N–.02**	**23.43E–.02**	**9–8**		**60**	**0-2**
SOF	VII	22 01 54 42.4	41.79N–.01	23.46E–.01	17–1	2.5		¶621041867
BEO	VII	22 01 54 43.8–.30	41.75N	23.35E	8–4	1.9L		
SKO	VII	22 01 54 44.6	41.75N	23.39E	0	1.7L		

ISC Event type ke.
SOF Event type ke.
BEO Event type ke.

ISC	**IX**	**02 19 46 08.6–.81**	**41.94N–.02**	**23.15E–.03**	**16–5**		**46**	**0-3**
SOF	IX	02 19 46 08.6	41.94N–.01	23.16E–.01	14–1	2.5		¶621532605
BEO	IX	02 19 46 10.1–.30	41.95N	23.13E	7–2	1.7L		
SKO	IX	02 19 46 10.1	41.88N	23.18E	10	1.5L		

ISC Event type ke.
SOF Event type ke.
BEO Event type ke.

ISC	**VIII**	**20 18 48 31.3–.81**	**41.92N–.02**	**23.30E–.02**	**14–5**		**99**	**0-4**
SOF	VIII	20 18 48 30.9	41.92N–.01	23.32E–.01	17–1	2.9		¶621591109
BEO	VIII	20 18 48 31.4–.30	41.92N	23.27E	7–2	2.4L		
THE	VIII	20 18 48 32.4	42N–1.0	23.3E–.80	2–1	2.5,2.5		
SKO	VIII	20 18 48 32.8	41.90N	23.27E	2	2.6L,2.5		

ISC Event type ke.
SOF Event type ke.
BEO Event type ke.

ISC	**VII**	**29 12 59 16.0–.88**	**41.95N–.02**	**23.15E–.03**	**9–7**		**47**	**0-3**
SOF	VII	29 12 59 15.9	41.96N–.01	23.23E–.02	4–7	2.6		¶621041881
SKO	VII	29 12 59 16.1	41.91N	23.12E	15	2.1L		
BEO	VII	29 12 59 17.1–.60	41.99N	23.10E	7–2	2.2L		

ISC Event type ke.
SOF Event type ke.
BEO Event type ke.

SOF	**VIII**	**20 11 50 48.6**	**41.01N**	**23.38E**	**14–1**	**2.8**		
SKO	VIII	20 11 50 49.3	41.02N	23.39E	0	1.9L		¶621591107
BEO	VIII	20 11 50 50.5–.80	41.09N	23.41E	0	1.7L		

SOF Event type ke.
BEO Event type ke.

ISC	**VIII**	**20 17 54 15.8–.92**	**41.93N–.02**	**23.34E–.03**	**12–7**		**41**	**0-2**
SOF	VIII	20 17 54 15.5	41.93N–.01	23.29E–.01	17–1	2.6		¶621591108
BEO	VIII	20 17 54 17.0–.30	41.91N	23.25E	0	1.5L		
SKO	VIII	20 17 54 17.8	41.89N	23.27E	4	1.7L		

ISC Event type ke.
SOF Event type ke.
BEO Event type ke.

ISC	**IX**	**12 12 49 05.2–.85**	**41.48N–.02**	**25.17E–.02**	**11–7**		**76**	**0-2**
ISK	IX	12 12 49 04.5	41.48N	25.17E	12–0	2.1L		¶621818200
SOF	IX	12 12 49 04.1	41.44N–.01	25.20E–.01	15–2	2.6		
ATH	IX	12 12 49 05.3	41.48N	25.16E	8–1	2.2L		
AFAD	IX	12 12 49 07.8	41.47N	25.43E	6–5	1.8L		

ISC Event type ke.
ISK Event type ke.
SOF Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/09/12 12:49:43, This location: 2021/12/02 18:09:46 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**06 19 21 31.6–.96**	**41.91N–.03**	**23.05E–.04**	**10–7**		**32**	**0-2**
SOF	IX	06 19 21 30.8	41.92N	23.04E	13–1	2.5		**¶624430949**
BEO	IX	06 19 21 32.2–.40	41.91N	23.08E	1–4	1.4L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**IX**	**06 21 20 04.6–.94**	**41.92N–.03**	**23.07E–.03**	**8–7**		**42**	**0-2**
SOF	IX	06 21 20 03.9	41.92N	23.07E–.01	12–1	2.6		**¶624430951**
BEO	IX	06 21 20 05.5–.40	41.92N	23.06E	3–3	1.6L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**IX**	**06 18 55 00.0–.82**	**41.90N–.02**	**23.06E–.03**	**17–5**		**51**	**0-3**
SOF	IX	06 18 54 59.8	41.91N	23.07E–.01	15–1	2.5		**¶621532645**
BEO	IX	06 18 55 01.1–.40	41.90N	23.02E	2–3	1.6L		
SKO	IX	06 18 55 01.1	41.86N	23.09E	15	1.4L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
THE	**X**	**04 02 43 56.2**	**41N–10**	**26E–11**	**80–8**	**2.6,2.6**		
								¶621801799
ISC	**X**	**01 14 11 29.6–.87**	**41.32N–.02**	**23.53E–.03**	**12–7**		**49**	**0-2**
SOF	X	01 14 11 29.4	41.32N–.01	23.53E–.01	10–1	2.7		**¶621532726**
SKO	X	01 14 11 30.2	41.34N	23.55E	1	1.5L		
BEO	X	01 14 11 31.4–.30	41.30N	23.55E	0	1.7L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**X**	**10 00 52 25.1–.86**	**41.93N–.02**	**23.21E–.02**	**9–6**		**87**	**0-4**
SOF	X	10 00 52 24.4	41.93N–.01	23.25E–.01	11–2	2.8		**¶621532750**
SKO	X	10 00 52 26.0	41.84N	23.21E	1	2.1L		
BEO	X	10 00 52 25.4–.30	41.93N	23.18E	2–2	2.4L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**X**	**04 01 25 09.4–.96**	**41.77N–.02**	**25.55E–.02**	**9–8**		**60**	**0-3**
ISK	X	04 01 25 08.8	41.75N	25.51E	4–0	2.4L		**¶621819748**
SOF	X	04 01 25 08.6	41.70N–.01	25.58E–.01	9–2	2.5		
AFAD	X	04 01 25 11.9	41.66N	25.65E	7–2	2.2L		
BEO	X	04 01 25 12.3–1.1	41.83N	25.34E	12–3	1.8L		
ISC	Event type ke.							
ISK	Event type ke.							
SOF	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
BEO	Event type ke.							
ISC	**XI**	**15 09 52 11.7–.92**	**41.87N–.03**	**23.19E–.03**	**16–6**		**20**	**0-1**
SOF	XI	15 09 52 11.5	41.88N–.01	23.25E–.01	12–2	2.7		**¶624427360**
SKO	XI	15 09 52 11.6	41.89N	23.19E	15	1.6L		
BEO	XI	15 09 52 12.7–.40	41.87N	23.21E	0	1.6L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**X**	**26 00 57 43.2–1.2**	**41.21N–.05**	**23.22E–.03**	**5–10**		**37**	**0-3**
SOF	X	26 00 57 42.7	41.21N–.01	23.22E–.01	5–2	2.7		**¶621532819**
SKO	X	26 00 57 42.9	41.22N	23.23E	2	1.7L		
BEO	X	26 00 57 44.0–.50	41.25N	23.27E	1–2	1.8L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**X**	**20 06 37 47.7–1.0**	**41.50N–.02**	**23.56E–.02**	**4–10**		**46**	**0-3**
SOF	X	20 06 37 47.1	41.51N–.01	23.55E–.01	6–3	2.8		**¶621532801**
SKO	X	20 06 37 48.0	41.52N	23.56E	0	1.7L		
BEO	X	20 06 37 48.6–.30	41.48N	23.52E	0–4	2.0L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**X**	**23 00 49 43.9–.99**	**41.37N–.02**	**23.40E–.02**	**6–9**		**80**	**0-4**
SOF	X	23 00 49 43.3	41.36N–.01	23.40E–.01	11–1	3.0		**¶621532811**
SKO	X	23 00 49 43.9	41.38N	23.39E	2	2.3L		
BEO	X	23 00 49 44.2–.30	41.33N	23.37E	7–2	2.6L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**XII**	**30 01 59 10.6–1.0**	**41.95N–.03**	**23.20E–.03**	**8–9**		**68**	**0-5**
SOF	XII	30 01 59 10.1	41.95N	23.23E	12–8	2.6		**¶624427410**
BEO	XII	30 01 59 10.9–.30	41.93N	23.14E	8–2	2.2L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**XII**	**08 17 10 06.5–.88**	**41.54N–.02**	**24.03E–.02**	**12–7**		**44**	**0-3**
ATH	XII	08 17 10 06.4	41.54N	24.03E	10–0	1.8L		**¶624427401**
SOF	XII	08 17 10 06.2	41.54N	24.04E	17–1	2.5		
BEO	XII	08 17 10 07.8–.50	41.50N	24.04E	5–3	1.8L		
ISC	Event type ke.							
ATH	Event type ke. Manual Solution by E.Vogiannis First location: 2021/12/08 17:10:29, This location: 2021/12/08 17:30:40 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**XII**	**30 02 27 45.2–.99**	**41.95N–.03**	**23.24E–.05**	**8–9**		**24**	**0-2**
SOF	XII	30 02 27 44.7	41.95N	23.24E–.01	13–1	2.5		**¶624427411**
BEO	XII	30 02 27 45.8–.40	41.94N	23.19E	1–3	1.6L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**XI**	**19 04 34 44.0–.98**	**41.81N–.03**	**23.18E–.05**	**8–6**		**23**	**0-2**
SOF	XI	19 04 34 43.2	41.80N–.01	23.19E–.01	10–1	2.5		**¶624427377**
BEO	XI	19 04 34 44.9–.40	41.79N	23.11E	0	1.5L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**XI**	**20 01 39 54.3–1.3**	**41.14N–.05**	**23.73E–.03**	**1–10**		**33**	**0-3**
SOF	XI	20 01 39 53.4	41.13N–.02	23.73E–.01	10–3	2.5		**¶624427379**
SKO	XI	20 01 39 54.3	41.18N	23.78E	0	2.0L		
BEO	XI	20 01 39 55.0–.70	41.11N	23.67E	5–2	2.1L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**XII**	**21 13 22 42.5–.89**	**41.93N–.04**	**23.16E–.04**	**16–5**		**24**	**0-2**
SOF	XII	21 13 22 42.4	41.94N–.01	23.18E–.02	15–1	2.5		**¶624427406**
BEO	XII	21 13 22 43.8–.30	41.93N	23.10E	0	1.6L		
ISC	Event type ke.							
SOF	Event type ke.							
BEO	Event type ke.							
ISC	**XI**	**26 21 37 25.5–.85**	**41.62N–.02**	**23.86E–.02**	**10–6**		**59**	**0-3**
ATH	XI	26 21 37 25.5	41.61N	23.85E	8–1	1.7L		**¶624427390**
SOF	XI	26 21 37 25.6	41.60N–.01	23.86E–.01	10–2	2.6		
SKO	XI	26 21 37 26.7	41.63N	23.83E	0	1.8L		
BEO	XI	26 21 37 27.6–.40	41.59N	23.83E	0	1.9L		
ISC	Event type ke.							
ATH	Event type ke. Manual Solution by S.Liakopoulos First location: 2021/11/26 21:37:56, This location: 2021/11/27 00:05:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
SOF	Event type ke.							
BEO	Event type ke.							

(364) Greece.

ISC	**VII**	**03 07 40 20.1–.71**	**38.15N–.02**	**20.60E–.02**	**15–4**	**3.4b**	**97**	**0-46**
ATH	VII	03 07 40 19.3	38.15N	20.56E	18–0	3.1L		**¶620927797**
IDC	VII	03 07 40 19.8–3.1	38.43N	21.10E	0	4.0L,3.4b		
THE	VII	03 07 40 19.6	38.1N–.80	21E–1.0	16–0	3.3,3.3		
ISC	Event type ke.							
ATH	Event type ke. Manual Solution by F.Xalaris First location: 2021/07/03 07:41:16, This location: 2021/07/03 12:20:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
ISC	**VII**	**07 14 44 08.1–.75**	**38.42N–.01**	**21.62E–.01**	**8–4**	**3.8b**	**176**	**0-45**
THE	VII	07 14 44 07.9	38.4N–.70	21.8E–.50	7–0	3.0,3.0		**¶620928123**
ATH	VII	07 14 44 07.8	38.43N	21.82E	9–0	2.9L,3.0		
IDC	VII	07 14 44 10.2–17	39.39N	21.68E	0	3.6b,3.5		
ISC	Event type ke.							
ATH	Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/07 14:44:55, This location: 2021/07/07 14:58:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
IDC	Error ellipse: s-maj=352.1km s-min=65.0km az=26.0.							
ISC	**VII**	**10 12 54 17.9–.79**	**38.34N–.02**	**23.35E–.01**	**10–5**		**194**	**0-6**
SOF	VII	10 12 54 16.6	38.41N–.01	23.37E–.01	7–2	3.6		**¶621041849**
THE	VII	10 12 54 17.8	38.3N–.40	23.3E–.70	0–1	3.4,3.4		
ATH	VII	10 12 54 17.8	38.34N	23.36E	8–1	3.2L,3.4		
ISC	Event type ke.							
SOF	Event type ke.							
ATH	Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/10 12:55:09, This location: 2021/07/10 14:12:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
ATH	**VII**	**10 15 43 01.9**	**38.33N**	**23.32E**	**8–1**	**3.2L**		
THE	VII	10 15 43 02.3	38.3N–.50	23.3E–.60	9–2	3.3,3.3		**¶621799949**
ATH	Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/10 15:43:51, This location: 2021/07/10 17:22:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.							
ISC	**VII**	**11 00 00 17.5–.62**	**38.33N–.01**	**23.35E–.01**	**11–4**	**4.4b,3.5s**	**1041**	**0-128**
SOF	VII	11 00 00 15.1	38.34N–.02	23.60E–.04	2–84	4.4,3.5s		**¶620787394**
MOS	VII	11 00 00 15.1–.92	38.32N	23.26E	6	4.6b,3.5s		
PDG	VII	11 00 00 16.9–.55	38.33N	23.33E	12–0	4.3L,3.5s		
ISK	VII	11 00 00 16.6	38.37N	23.32E	13–0	4.2L,3.5s		
NEIC	VII	11 00 00 17.8–1.4	38.41N–.03	23.32E–.02	10–1	4.5b,4.3		
NEIC	VII	11 00 00 17.8	38.41N	23.32E	10	4.5b,4.3		
ATH	VII	11 00 00 17.1	38.33N	23.32E	8–0	4.3L,4.3		
AFAD	VII	11 00 00 17.4	38.49N	23.30E	6–5	4.3W,4.3		
THE	VII	11 00 00 17.7	38.3N–.60	23.4E–.70	5–1	4.3,4.3		
MED_R	VII	11 00 00 17.0	38.33N	23.35E	14	4.4W,4.3		
GFZ	VII	11 00 00 18.5–.13	38N–1.0	23E–1.0	10	4.4b,4.1		
MCSM	VII	11 00 00 18.1–.40	38N–3.0	23E–2.0	7–3	4.7b,4.7		
GFZ	VII	11 00 00 18.5	38.37N	23.32E	10	4.4W,4.7		
IDC	VII	11 00 00 19.6–2.9	38.40N	23.36E	26–21	4.1b,4.1		
BEO	VII	11 00 00 22.2–.60	38.63N	23.43E	10	3.8L,4.1		
NAO	VII	11 00 00 35.8	39.57N	21.32E	33	4.4b,4.1		
ISC	Event type ke.							
SOF	Event type ke.							
MOS	Error ellipse: s-maj=4.4km s-min=2.3km az=92.3.							
PDG	Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.							
ISK	Event type ke.							
NEIC	Event type se. Error ellipse: s-maj=5.5km s-min=3.0km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.33 $M_{\theta\theta}$2.34 $M_{\phi\phi}$-0.00 $M_{r\theta}$-1.75 $M_{\theta\phi}$-1.60 $M_{\phi r}$-0.24 NP1:ϕ_s320.71000°,δ35.93000°,λ-51.18000°. NP2:ϕ_s95.89000°,δ62.79000°,λ-114.44000°. Principal axes: T 3.5195,Plg14.0000°,Azm203.0000°; N -0.4117,Plg22.0000°,Azm108.0000°; P -3.1078,Plg64.0000°,Azm325.0000° $M_0$3.33000×10^{15}							
NEIC	Event type se.							
ATH	Event type ke. Manual Solution by D.Venizelos First location: 2021/07/11 00:01:08, This location: 2021/09/04 12:50:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
AFAD	Event type se. Presumed earthquake.							
MED_R	Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-4.06±.48 $M_{\theta\theta}$3.80±.30; $M_{\phi\phi}$0.00±.23; $M_{r\theta}$-1.58±.31; $M_{\theta\phi}$-3.05±.13; $M_{\phi r}$-0.64±.27; NP1:ϕ_s322.00000°,δ43.00000°,λ-57.00000°. NP2:ϕ_s100.00000°,δ55.00000°,λ-117.00000°. Principal axes: T 5.6700,Plg6.0000°,Azm209.0000°; N -0.9500,Plg22.0000°,Azm116.0000°; P -4.7200,Plg67.0000°,Azm314.0000° $M_0$5.20000×10^{15}							
GFZ	Error ellipse: s-maj=3.5km s-min=2.7km az=47.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-4.28 $M_{\theta\theta}$2.78 $M_{\phi\phi}$1.50 $M_{r\theta}$0.24 $M_{\theta\phi}$-1.92 $M_{\phi r}$-1.45 NP1:ϕ_s114.11292°,δ39.29322°,λ-109.05474°. NP2:ϕ_s318.16402°,δ53.23105°,λ-75.04277°. Principal axes: T 4.2903,Plg7.1215°,Azm37.5658°; N 0.3342,Plg11.9320°,Azm129.0786°; P -4.6244,Plg76.0502°,Azm277.3687° $M_0$4.46674×10^{15}							
IDC	Error ellipse: s-maj=10.6km s-min=8.9km az=6.0.							
BEO	Event type ke.							
ISC	**VII**	**11 09 06 57.5–.73**	**38.34N–.01**	**23.32E–.01**	**11–4**	**3.6b**	**184**	**0-76**
IDC	VII	11 09 06 56.4–1.4	38.34N	23.17E	0	3.5b,3.4		**¶620928416**
THE	VII	11 09 06 57.9	38.3N–.40	23.3E–.60	4–2	3.6,3.6		
ATH	VII	11 09 06 57.2	38.33N	23.32E	8–0	3.4L,3.6		
NAO	VII	11 09 07 14.8	39.59N	20.60E	10	3.5b,3.6		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=26.9km s-min=20.1km az=177.0.							
ATH	Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/11 09:07:48, This location: 2021/08/23 06:13:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
ISC	**VII**	**11 16 33 20.8–.78**	**38.33N–.01**	**23.33E–.02**	**13–4**		**170**	**0-5**
THE	VII	11 16 33 20.8	38.3N–.40	23.3E–.80	9–1	3.5,3.5		**¶621799997**
ATH	VII	11 16 33 20.8	38.34N	23.33E	9–0	3.3L,3.5		
ISC	Event type ke.							
ATH	Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/11 16:34:11, This location: 2021/07/11 16:57:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
ISC	**VII**	**12 10 57 46.0–.70**	**38.31N–.01**	**23.36E–.01**	**13–4**	**3.4b**	**236**	**0-77**
IDC	VII	12 10 57 44.5–.97	38.37N	23.49E	0	3.5,3.4b		**¶620928484**
THE	VII	12 10 57 45.9	38.3N–.40	23.3E–.60	1–1	3.3,3.3		
ATH	VII	12 10 57 46.2	38.33N	23.37E	8–0	3.3L,3.3		
BEO	VII	12 10 57 47.7–1.0	38.36N	23.49E	10	2.9L,3.3		
NAO	VII	12 10 58 03.9	39.80N	21.23E	10	3.3b,3.3		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=23.7km s-min=13.8km az=83.0.							
ATH	Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/12 10:58:35, This location: 2021/07/12 11:19:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
BEO	Event type ke.							
ATH	**VII**	**13 00 39 17.0–.53**	**38.30N**	**23.34E**	**7–3**	**1.2L**		
								¶626148008
ATH	Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/13 00:40:19, This location: 2021/07/13 07:56:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.							
ATH	**VII**	**13 00 41 11.5**	**38.55N**	**21.65E**	**17–0**	**0.9L**		
								¶626148007
ATH	Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/13 00:42:05, This location: 2021/07/13 07:48:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
ISC	**VII**	**16 19 28 02.1–.79**	**38.25N–.01**	**22.59E–.01**	**13–5**	**3.7b**	**289**	**0-77**
IDC	VII	16 19 28 00.6–.80	38.34N	22.65E	0	3.7b,3.6		**¶620928728**
ATH	VII	16 19 28 02.0	38.25N	22.59E	11–0	3.5L,3.6		
THE	VII	16 19 28 02.1	38.2N–.60	22.6E–.40	15–1	3.5,3.5		
ISC	Event type ke.							
ATH	Event type ke. Manual Solution by F.Gkika First location: 2021/07/16 19:28:53, This location: 2021/10/07 05:29:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
ATH	**VII**	**17 03 40 04.4**	**38.32N**	**23.33E**	**14–0**	**1.4L**		
								¶626151998
ATH	Event type ke. Manual Solution by D.Venizelos First location: 2021/07/17 03:41:18, This location: 2021/07/17 04:44:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
ISC	**VII**	**20 05 05 26.9–.60**	**38.34N–.01**	**23.34E–.01**	**11–3**	**4.1b,3.5s**	**710**	**0-96**
ISK	VII	20 05 05 25.4	38.37N	23.32E	4–0	4.0L,3.5s		**¶620834135**
IDC	VII	20 05 05 25.6–.66	38.38N	23.36E	0	4.0b,3.9		

MOS VII 20 05 05 25.7–.99 38.32N 23.29E 11 4.4b,3.9
PDG VII 20 05 05 26.6–.61 38.32N 23.34E 13–0 4.3L,3.9
ATH VII 20 05 05 26.7 38.34N 23.33E 10–0 4.1L,3.9
SOF VII 20 05 05 26.3 38.45N–.05 23.50E–.06 5–7 4.2,3.9
MED_R VII 20 05 05 26.0 38.34N 23.33E 12 4.4W,3.9
NEIC VII 20 05 05 27.5–1.8 38.39N–.04 23.31E–.05 10–1 4.3b,3.9
THE VII 20 05 05 27.1 38.3N–.50 23.3E–.70 0–2 4.1,4.1
GFZ VII 20 05 05 29.0–.17 38N–2.0 23E–2.0 10 4.3b,4.2
MCSM VII 20 05 05 28.7–1.6 38N–4.0 23E–3.0 9–12 4.6b,4.5
AFAD VII 20 05 05 29.0 38.30N 23.45E 26–111 4.1W,4.5
BEO VII 20 05 05 29.2–.60 38.40N 23.44E 10 3.8L,4.5
NAO VII 20 05 05 35.7 38.37N 23.35E 10 4.4b,4.5
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=14.0km s-min=10.2km az=48.0.
MOS Error ellipse: s-maj=5.5km s-min=3.3km az=88.1.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=90.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/20 05:06:17, This location: 2021/08/23 09:03:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
SOF Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-3.85±.38 $M_{\theta\theta}$3.71±.25; $M_{\phi\phi}$0.00±.20; $M_{r\theta}$-0.01±.32; $M_{\theta\phi}$-1.64±.12; $M_{\phi r}$-1.68±.42; NP1: ϕ_s91.00000°,δ45.00000°,λ-121.00000°. NP2:ϕ_s311.00000°,δ53.00000°,λ-63.00000°. Principal axes: T 4.4000,Plg4.0000°,Azm23.0000°; N 0.1100,Plg21.0000°,Azm114.0000° ; P -4.5000,Plg68.0000°,Azm281.0000° $M_0$4.45000×10^{15}
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.5km az=54.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
BEO Event type ke.
ATH VII 20 11 16 19.5 38.32N 23.33E 13–0 2.0L
¶626155196
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/07/20 11:17:31, This location: 2021/07/20 11:29:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ATH VII 20 20 38 19.8 38.33N 23.29E 7–1 1.8L
¶626155122
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/20 20:39:16, This location: 2021/07/20 21:05:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ATH VII 21 23 44 21.4 38.63N 21.48E 21–1 1.9L
¶626156020
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/21 23:45:16, This location: 2021/07/22 09:45:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VII 24 12 20 57.2–.75 39.73N–.01 22.23E–.01 10–4 271 0-7
THE VII 24 12 20 56.9 39.7N–.70 22.2E–.60 4–1 3.2,3.2 **¶626240654**
ATH VII 24 12 20 56.6 39.75N 22.21E 8–0 3.2L,3.2
SOF VII 24 12 20 56.5 39.77N–.02 22.26E–.01 10–1 3.6,3.2
BEO VII 24 12 20 56.6–.70 39.70N 22.34E 2–9 3.0L,3.2
ISC Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/24 12:21:54, This location: 2021/07/24 13:10:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
SOF Event type ke.
BEO Event type ke.
ISC VII 16 02 09 10.6–.71 38.44N–.02 20.48E–.02 19–2 3.6b 236 0-46
IDC VII 16 02 09 09.1–.76 38.63N 20.58E 0 3.8b,3.7 **¶620833898**
PDG VII 16 02 09 10.6–.63 38.49N 20.41E 13–1 3.5L,3.7
THE VII 16 02 09 11.4 38.4N–.30 20.5E–.70 13–0 3.5,3.5
ATH VII 16 02 09 11.0 38.44N 20.50E 15–0 3.5L,3.5
BEO VII 16 02 09 12.2–.50 38.47N 20.39E 15 3.4L,3.5
NAO VII 16 02 09 16.1 38.62N 20.57E 33 3.4b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=12.7km s-min=9.8km az=35.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.3km az=0.0.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/16 02:10:09, This location: 2021/07/16 03:13:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
ISC VII 25 19 12 44.3–.89 38.33N–.01 23.33E–.02 8–6 3.5b 155 0-60
ATH VII 25 19 12 43.5 38.33N 23.31E 17–0 3.5L **¶620973789**
IDC VII 25 19 12 43.0–1.3 38.38N 23.40E 0 3.7,3.6b
THE VII 25 19 12 44.0 38.3N–.50 23.3E–.70 0–1 3.4,3.4
NAO VII 25 19 13 05.7 41.08N 26.84E 33 3.0b,3.4
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/07/25 19:13:33, This location: 2021/08/23 19:57:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=31.5km s-min=21.4km az=163.0.
ISC VII 25 20 57 06.5–.86 39.62N–.01 22.27E–.01 5–6 212 0-8
SOF VII 25 20 57 04.9 39.57N–.03 22.22E–.03 11–2 3.6 **¶626335226**
ATH VII 25 20 57 06.1 39.63N 22.25E 9–1 3.4L
THE VII 25 20 57 06.5 39.6N–.60 22.3E–.60 0–0 3.3,3.3
BEO VII 25 20 57 08.2–.60 39.70N 22.26E 2–6 3.1L,3.3
ISC Event type ke.
SOF Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/07/25 20:58:03, This location: 2021/07/25 21:59:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
ISC VII 26 21 09 58.9–.63 38.72N–.01 20.56E–.02 11–3 4.0b 374 0-76
NAO VII 26 21 09 51.9 38.63N 26.27E 33 3.5b **¶622122809**
IDC VII 26 21 09 56.1–.75 38.66N 20.77E 0 3.7b,3.6
PDG VII 26 21 09 58.0–.28 38.71N 20.58E 15–1 3.7L,3.6
ATH VII 26 21 09 59.0 38.70N 20.58E 13–0 3.6L,3.6
NEIC VII 26 21 09 59.7–2.2 38.72N–.06 20.52E–.06 10–2 4.1b,3.6
THE VII 26 21 09 59.5 38.7N–.60 20.6E–1.0 6–1 3.6,3.6
BEO VII 26 21 10 01.0–.40 38.71N 20.39E 15–3 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=13.3km s-min=11.2km az=25.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/07/26 21:10:58, This location: 2021/07/26 21:16:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.7km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
ISC VII 28 08 18 16.5–.67 38.32N–.01 23.35E–.01 15–4 3.4b 240 0-60
IDC VII 28 08 18 15.2–.94 38.45N 23.37E 0 3.5L,3.5b **¶620979606**
ATH VII 28 08 18 16.1 38.33N 23.35E 13–0 3.5L,3.5b
THE VII 28 08 18 16.9 38.3N–.50 23.3E–.60 9–1 3.5,3.5
ISK VII 28 08 18 17.7 38.01N 23.54E 5–0 3.3L,3.5
NAO VII 28 08 18 35.0 39.79N 22.71E 33 3.1b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=15.3km az=93.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/28 08:19:05, This location: 2021/08/23 07:19:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ATH VII 28 14 42 25.8 38.32N 23.34E 12–0 1.7L
¶626161107
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/07/28 14:43:43, This location: 2021/07/28 14:53:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VIII 03 05 01 40.2–.66 38.35N–.01 21.81E–.01 8–4 3.7b 219 0-81
NAO VIII 03 05 01 32.0 37.67N 24.70E 33 3.7b **¶620930457**
ATH VIII 03 05 01 39.8 38.35N 21.79E 8–0 3.4L
THE VIII 03 05 01 40.1 38.4N–.60 21.8E–.70 8–2 3.5,3.5
IDC VIII 03 05 01 40.8–.86 38.63N 21.97E 0 3.7L,3.7b
ISC Event type ke.
NAO Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/03 05:01:48, This location: 2021/08/03 06:20:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=17.4km s-min=13.6km az=53.0.
ISC VII 29 21 53 53.7–.69 38.42N–.01 21.82E–.01 10–4 3.7b 273 0-45
THE VII 29 21 53 53.3 38.4N–.60 21.8E–.50 13–1 3.3,3.3 **¶620984143**
IDC VII 29 21 53 53.2–1.2 38.52N 21.96E 0 3.6b,3.6
SOF VII 29 21 53 53.3 38.48N–.03 22.01E–.04 2–1 3.4,3.6
ATH VII 29 21 53 53.0 38.44N 21.79E 11–0 3.3L,3.6
BEO VII 29 21 53 56.2–.70 38.57N 21.91E 0 3.0L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=25.8km s-min=18.3km az=178.0.
SOF Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/29 21:54:41, This location: 2021/07/29 22:08:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
ISC VIII 11 05 59 32.3–.66 38.75N–.01 22.99E–.01 10–4 4.2b,3.7s 518 0-120
SOF VIII 11 05 59 25.8 38.4N–.10 23.09E–.04 2–2 4.2,3.7s **¶620980019**
IDC VIII 11 05 59 30.9–.58 38.77N 22.94E 0 4.0b,3.9
ATH VIII 11 05 59 31.6 38.72N 22.95E 11–0 3.8L,3.9
MED_R VIII 11 05 59 31.0 38.72N 22.96E 10 4.1W,3.9
PDG VIII 11 05 59 31.5–.44 38.74N 22.97E 9–0 3.9L,3.9
NEIC VIII 11 05 59 33.0–1.9 38.82N–.05 23.04E–.07 10–1 4.3b,3.9
THE VIII 11 05 59 32.1 38.7N–.70 23.0E–.60 7–1 3.8,3.8
NAO VIII 11 05 59 32.6 39.07N 24.47E 10 4.0b,3.8
BEO VIII 11 05 59 33.9–.60 38.76N 23.05E 9–1 3.5L,3.8
GFZ VIII 11 05 59 34.3–.20 39N–2.0 23E–2.0 10 4.4b,4.2
ISK VIII 11 05 59 38.8 39.14N 23.81E 3–0 3.3L,4.2
ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=13.1km s-min=10.6km az=47.0.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/11 06:00:23, This location: 2021/08/11 06:24:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-1.96±.15 $M_{\theta\theta}$1.34±.16; $M_{\phi\phi}$0.00±.21; $M_{r\theta}$0.78±.35; $M_{\theta\phi}$-0.07±.12; $M_{\phi r}$0.12±.44; NP1: ϕ_s97.00000°,δ33.00000°,λ-84.00000°. NP2:ϕ_s270.00000°,δ58.00000°,λ-94.00000°. Principal axes: T 1.5200,Plg13.0000°,Azm3.0000°; N 0.6300,Plg3.0000°,Azm272.0000° ; P -2.1400,Plg77.0000°,Azm168.0000° $M_0$1.83000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.6km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NAO Event type se. Presumed earthquake.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISK Event type ke.
THE VIII 04 06 21 37.4 38N–1.0 23E–4.0 0–3 1.7,1.7
¶621800353
ISC VIII 08 13 31 56.1–1.0 39.76N–.01 22.20E–.01 3–7 4.0b,3.2s 443 0-81
ATH VIII 08 13 31 55.8 39.77N 22.12E 12–0 3.8L,3.2s **¶620976426**
BEO VIII 08 13 31 55.8–.70 39.72N 22.31E 0–8 3.5L,3.2s
NEIC VIII 08 13 31 56.2–1.2 39.76N–.05 22.22E–.05 3–5 4.3b,3.2s
IDC VIII 08 13 31 56.4–.70 39.76N 22.44E 0 3.8,3.7b
THE VIII 08 13 31 56.2 39.8N–.70 22.2E–.60 2–0 3.8,3.8
MED_R VIII 08 13 31 56.0 39.77N 22.16E 10 4.0W,3.8
GFZ VIII 08 13 31 58.6–.19 40N–2.0 22E–2.0 10 4.2b,4.2
NAO VIII 08 13 32 09.8 39.75N 22.45E 10 3.6b,4.2
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/08 13:32:54, This location: 2021/08/08 13:39:35 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.6km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.1km s-min=11.3km az=104.0.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-1.29±.10 $M_{\theta\theta}$1.16±.09; $M_{\phi\phi}$0.00±.10; $M_{r\theta}$0.21±.27; $M_{\theta\phi}$-0.52±.11; $M_{\phi r}$-0.22±.29; NP1: ϕ_s107.00000°,δ39.00000°,λ-98.00000°. NP2:ϕ_s298.00000°,δ51.00000°,λ-83.00000°. Principal axes: T 1.4100,Plg6.0000°,Azm23.0000°; N -0.0800,Plg5.0000°,Azm114.0000° ; P -1.3300,Plg82.0000°,Azm245.0000° $M_0$1.37000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.
ISC VIII 15 23 34 42.6–.87 38.23N–.02 23.97E–.02 16–6 90 0-2
THE VIII 15 23 34 44.1 38.2N–.80 24E–1.0 3–1 2.5,2.5 **¶621800485**
ATH VIII 15 23 34 44.3 38.22N 23.91E 6–1 2.5L,2.5
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/15 23:35:31, This location: 2021/08/16 04:17:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC VIII 14 07 04 11.4–.75 38.83N–.02 20.54E–.02 9–4 3.6b 151 0-45
ATH VIII 14 07 04 11.3 38.83N 20.55E 11–2 3.3L **¶621013457**
THE VIII 14 07 04 11.4 38.8N–.60 20.5E–.90 9–1 3.4,3.4
BEO VIII 14 07 04 12.5–.80 38.78N 20.34E 19–4 3.1L,3.4
IDC VIII 14 07 04 17.2–1.2 39.63N 20.63E 0 3.5b,3.5
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/14 07:04:24, This location: 2021/08/14 07:08:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
BEO Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=19.3km az=71.0.
ISC VIII 19 05 13 50.8–1.4 40.47N–.05 23.52E–.04 27–11 44 0-3
SOF VIII 19 05 13 50.2 40.46N 23.53E–.01 13–1 2.7 **¶621591102**
BEO VIII 19 05 13 51.8–1.3 40.46N 23.57E 1–3 2.0L
SKO VIII 19 05 13 51.8 40.49N 23.50E 5 2.0L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ISC VIII 18 15 57 20.3–1.0 40.74N–.01 21.25E–.02 5–9 137 0-4
TIR VIII 18 15 57 19.3–1.2 40.74N 21.29E 10–4 2.7L,2.6L **¶621591100**
BEO VIII 18 15 57 20.7–.30 40.74N 21.41E 0 2.3L,2.6L
SKO VIII 18 15 57 20.4 40.75N 21.24E 7 2.5L,2.6L
THE VIII 18 15 57 20.2 41N–1.0 21.2E–.90 0–1 2.6,2.6
ATH VIII 18 15 57 20.0 40.74N 21.23E 6–1 2.7L,2.6
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=1.9km s-min=3.7km az=-1.0. Presumed earthquake.
BEO Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/08/18 15:57:51, This location: 2021/08/18 16:22:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC VIII 21 18 42 32.4–.79 39.00N–.01 22.04E–.01 13–5 4.4b,3.2s 798 0-121
NAO VIII 21 18 42 10.3 36.81N 22.84E 10 4.2b,3.2s **¶620999313**
MOS VIII 21 18 42 29.6–1.2 38.91N 21.98E 10 4.6b,3.2s
IDC VIII 21 18 42 30.7–.48 39.00N 22.11E 0 4.0b,4.0
THE VIII 21 18 42 33.0 39.0N–.70 22.0E–.70 7–2 4.0,4.0
PDG VIII 21 18 42 32.1–.94 39.00N 22.03E 10–1 4.1L,4.0
ATH VIII 21 18 42 32.1 39.01N 22.02E 11–0 4.0L,4.0
SOF VIII 21 18 42 32.1 38.97N–.09 22.26E–.03 10–1 4.2,4.0
BEO VIII 21 18 42 34.8–.40 39.04N 22.05E 13–6 3.9L,4.0
NEIC VIII 21 18 42 35.7–2.0 39.06N–.04 22.12E–.06 38–6 4.4b,4.0
GFZ VIII 21 18 42 35.9–.21 39N–2.0 22E–2.0 10 4.2b,4.1
ISC Event type ke.

NAO Event type se. Presumed earthquake.
PDG Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/08/21 18:43:20, This location: 2021/12/02 14:55:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
SOF Event type ke.
BEO Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**21 19 09 47.2–.89**	**38.98N–.01**	**22.05E–.01**	**9–6**	**3.6b**	**265**	**0-44**
ATH	VIII	21 19 09 46.8	38.98N	22.01E	14–0	3.3L		**¶621043015**
IDC	VIII	21 19 09 46.1–.79	38.96N	22.12E	0	3.5,3.4b		
THE	VIII	21 19 09 47.4	39.0N–.60	22.0E–.70	5–1	3.3,3.3		
BEO	VIII	21 19 09 47.5–.60	38.99N	22.16E	4–7	3.3L,3.3		
NAO	VIII	21 19 10 10.7	40.87N	20.78E	33	2.9b,3.3		

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/21 19:10:40, This location: 2021/08/21 21:02:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=11.4km s-min=11.3km az=9.0.
BEO Event type ke.
NAO Event type se. Presumed earthquake.

ISC	**IX**	**02 14 46 15.7–.74**	**38.33N–.01**	**23.37E–.01**	**11–3**		**233**	**0-5**
SOF	IX	02 14 46 14.2	38.42N–.02	23.41E–.02	5–3	3.7		**¶621800650**
THE	IX	02 14 46 15.7	38.3N–.40	23.3E–.50	9–0	3.4,3.4		
ATH	IX	02 14 46 15.5	38.33N	23.37E	12–0	3.3L,3.4		
ISK	IX	02 14 46 17.7	38.03N	23.39E	5–0	3.3L,3.4		

ISC Event type ke.
SOF Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/09/02 14:47:02, This location: 2021/12/02 18:20:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**IX**	**02 05 48 37.9–.58**	**38.35N–.01**	**23.34E–.01**	**11–3**	**4.1b,3.3s**	**608**	**0-96**
SOF	IX	02 05 48 36.2	38.39N–.01	23.42E–.03	5–4	4.1,3.3s		**¶621022466**
IDC	IX	02 05 48 36.2–.64	38.39N	23.28E	0	4.1b,4.0		
ISK	IX	02 05 48 36.7	38.34N	23.33E	9–0	4.1L,4.0		
MOS	IX	02 05 48 36.5–1.0	38.38N	23.34E	6	4.3b,4.0		
PDG	IX	02 05 48 37.5–.57	38.33N	23.36E	14–0	4.0L,4.0		
MCSM	IX	02 05 48 37.8–.40	38N–5.0	23E–3.0	10	4.7b,4.3		
ATH	IX	02 05 48 37.6	38.33N	23.34E	11–0	4.0L,4.3		
THE	IX	02 05 48 37.8	38.3N–.50	23.3E–.50	9–0	4.0,4.0		
NEIC	IX	02 05 48 38.3–1.3	38.35N–.05	23.21E–.06	10–1	4.3b,4.0		
GFZ	IX	02 05 48 38.6	38.35N	23.37E	10	4.3W,4.0		
GFZ	IX	02 05 48 38.6–.22	38N–2.0	23E–3.0	10	4.3b,4.3		
BEO	IX	02 05 48 41.9–.70	38.51N	23.37E	10	3.8L,4.3		
NAO	IX	02 05 48 56.4	39.77N	22.48E	33	3.8b,4.3		

ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=11.5km az=57.0.
ISK Event type ke.
MOS Error ellipse: s-maj=6.4km s-min=3.7km az=88.7.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/09/02 05:49:26, This location: 2021/09/02 06:15:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.1km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.80 $M_{\theta\theta}$2.50 $M_{\phi\phi}$0.30 $M_{r\theta}$-1.01 $M_{\theta\phi}$-1.39 $M_{\phi r}$0.14 NP1: ϕ_s109.37910°,δ54.33485°,λ-98.02808°. NP2:ϕ_s302.97786°,δ36.44030°,λ-78.98761°. Principal axes: T 3.3285,Plg9.0081°,Azm205.1175°; N -0.3415,Plg6.5150°,Azm114.0801° ; P -2.9870,Plg78.8509°,Azm348.6677° $M_0$3.17155×10^{15}
GFZ Error ellipse: s-maj=6.2km s-min=4.6km az=77.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BEO Event type ke.
NAO Event type se. Presumed earthquake.

ISC	**VIII**	**22 23 56 21.3–.88**	**39.77N–.02**	**22.11E–.02**	**5–6**		**117**	**0-5**
SOF	VIII	22 23 56 17.6	39.4N–.10	21.7E–.10	65–29	4.1		**¶621800540**
THE	VIII	22 23 56 21.5	39.8N–.40	22.1E–.60	2–1	2.8,2.8		
ATH	VIII	22 23 56 21.1	39.76N	22.06E	8–1	2.9L,2.8		
BEO	VIII	22 23 56 22.0–.60	39.76N	22.19E	3–5	2.9L,2.8		

ISC Event type ke.
SOF Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/22 23:57:19, This location: 2021/08/23 03:37:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
BEO Event type ke.

ISC	**VIII**	**28 02 10 02.4–.79**	**38.72N–.02**	**20.51E–.02**	**7–5**	**3.5b**	**259**	**0-45**
IDC	VIII	28 02 10 02.4–1.4	38.79N	20.40E	0	3.5b,3.4		**¶621009747**
ATH	VIII	28 02 10 02.2	38.69N	20.57E	13–0	3.2L,3.4		
THE	VIII	28 02 10 02.8	38.7N–.60	20.6E–.80	5–1	3.3,3.3		
PDG	VIII	28 02 10 02.9–.18	38.79N	20.48E	15–3	3.2L,3.3		
NEIC	VIII	28 02 10 03.9–2.1	38.80N–.05	20.49E–.06	14–5	3.0L,3.3		
BEO	VIII	28 02 10 05.1–.50	38.72N	20.39E	23–3	3.0L,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=19.6km az=10.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/08/28 02:10:58, This location: 2021/08/28 04:53:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
PDG Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=90.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.6km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.

ISC	**IX**	**07 07 17 34.7–.83**	**38.71N–.01**	**23.42E–.01**	**9–6**	**3.6b**	**298**	**0-44**
SOF	IX	07 07 17 33.5	38.70N–.02	23.45E–.02	14–4	4.0		**¶621800776**
IDC	IX	07 07 17 33.6–1.1	38.68N	23.30E	0	4.0L,3.7		
PDG	IX	07 07 17 33.8–.49	38.72N	23.44E	13–0	3.6L,3.7		
THE	IX	07 07 17 34.4	38.7N–.50	23.4E–.60	0–1	3.6,3.6		
ATH	IX	07 07 17 34.1	38.72N	23.43E	4–1	3.6L,3.6		
BEO	IX	07 07 17 37.0–.60	38.85N	23.54E	5	3.2L,3.6		

ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=15.9km az=66.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/09/07 07:18:24, This location: 2021/09/07 07:43:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.

THE	**IX**	**03 16 43 38.2**	**38.3N–1.0**	**23E–2.0**	**10–1**	**1.1**		
								¶635706645
ATH	**IX**	**03 16 44 24.4**	**38.32N**	**23.36E**	**10–0**	**1.8L**		
								¶621800705

ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/03 16:45:15, This location: 2021/09/03 16:48:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ATH	**IX**	**05 18 08 52.8**	**38.36N**	**22.11E**	**8–0**	**1.2L**		
								¶626165216

ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/09/05 18:09:47, This location: 2021/09/05 18:39:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**02 18 48 11.7–.68**	**38.16N–.01**	**23.55E–.01**	**10–4**	**3.7b,2.9s**	**320**	**0-66**
SOF	IX	02 18 48 01.4	37.6N–.30	23.65E–.06	2–1	4.0,2.9s		**¶621023957**
IDC	IX	02 18 48 10.8–.81	38.15N	23.64E	0	3.7b,3.7		
ISK	IX	02 18 48 10.2	38.14N	23.55E	4–0	3.7L,3.7		
THE	IX	02 18 48 11.9	38.2N–.60	23.5E–.50	7–1	3.6,3.6		
ATH	IX	02 18 48 11.6	38.15N	23.54E	9–0	3.6L,3.6		
BEO	IX	02 18 48 15.2–.60	38.33N	23.65E	10	3.3L,3.6		
NAO	IX	02 18 48 32.3	39.79N	22.71E	33	3.3b,3.6		

ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=14.2km s-min=12.9km az=156.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/09/02 18:49:06, This location: 2021/09/02 19:27:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
NAO Event type se. Presumed earthquake.

ISC	**IX**	**10 13 51 32.8–.75**	**38.33N–.01**	**23.37E–.01**	**11–3**		**201**	**0-5**
ATH	IX	10 13 51 32.3	38.33N	23.38E	9–0	3.5L		**¶621240975**
THE	IX	10 13 51 33.0	38.3N–.40	23.4E–.40	8–0	3.8,3.8		
NAO	IX	10 13 51 45.9	39.40N	22.11E	10	3.6b,3.8		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/10 13:52:20, This location: 2021/09/10 14:18:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NAO Event type se. Presumed earthquake.

ATH	**IX**	**09 14 38 35.2**	**39.74N**	**22.09E**	**7–1**	**1.7L**		
								¶624418161

ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/09/09 14:39:43, This location: 2021/09/09 16:12:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**11 05 28 15.9–.66**	**38.32N–.02**	**23.35E–.01**	**11–3**	**3.6b**	**157**	**0-60**
ISK	IX	11 05 28 15.8	38.18N	23.48E	10–0	3.4L		**¶621800880**
ATH	IX	11 05 28 15.6	38.32N	23.35E	11–0	3.5L		
THE	IX	11 05 28 16.2	38.3N–.50	23.4E–.50	7–1	3.5,3.5		
IDC	IX	11 05 28 21.6–3.7	38.49N	23.20E	52–37	3.5,3.3b		
NAO	IX	11 05 28 27.5	39.26N	22.15E	10	3.5b,3.3b		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/11 05:37:13, This location: 2021/09/11 05:36:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=28.6km s-min=20.9km az=164.0.
NAO Event type se. Presumed earthquake.

THE	**IX**	**11 13 06 27.5**	**38N–17**	**23E–32**	**2–13**	**1.4**		
								¶635706677
ATH	**IX**	**11 13 07 15.3**	**38.33N**	**23.34E**	**10–0**	**1.5L**		
								¶621800894

ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/11 13:09:10, This location: 2021/09/11 13:21:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ATH	**IX**	**11 13 30 57.5**	**38.31N**	**23.37E**	**12–0**	**1.4L**		
								¶626165497

ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/11 13:31:45, This location: 2021/09/11 13:46:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**12 10 08 11.7–.67**	**38.08N–.01**	**23.77E–.01**	**15–3**	**3.6b**	**292**	**0-44**
IDC	IX	12 10 08 08.6–1.3	37.91N	23.86E	0	3.6b,3.5		**¶621070675**
ATH	IX	12 10 08 11.8	38.07N	23.77E	14–0	3.6L,3.5		
NEIC	IX	12 10 08 11.8–.94	38.11N–.04	23.78E–.06	10–2	3.1L,3.5		
THE	IX	12 10 08 12.5	38.1N–.80	23.8E–.60	9–1	3.6,3.6		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/12 10:08:56, This location: 2021/09/12 10:58:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ATH	**IX**	**11 09 42 38.5**	**38.33N**	**23.34E**	**10–0**	**3.2L**		
THE	IX	11 09 42 38.9	38.3N–.40	23.4E–.40	9–0	3.1,3.1		**¶621240981**
NAO	IX	11 09 42 52.6	39.28N	20.85E	10	3.1b,3.1		

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/11 09:43:25, This location: 2021/09/11 09:53:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NAO Event type se. Presumed earthquake.

ISC	**IX**	**22 01 03 07.3–.66**	**38.34N–.01**	**23.36E–.01**	**12–3**	**3.6b**	**222**	**0-44**
SOF	IX	22 01 03 06.2	38.35N–.01	23.42E–.02	8–3	3.8		**¶621118109**
THE	IX	22 01 03 07.8	38.3N–.50	23.4E–.40	8–0	3.5,3.5		
ATH	IX	22 01 03 07.6	38.32N	23.35E	8–0	3.4L,3.5		
ISK	IX	22 01 03 08.9	38.32N	23.40E	28–0	3.3L,3.5		
AFAD	IX	22 01 03 08.2	38.42N	23.45E	46–4	3.0L,3.5		
IDC	IX	22 01 03 12.7–4.6	38.42N	23.18E	52–50	3.6s,3.5		
BEO	IX	22 01 03 15.1–.70	38.77N	23.30E	9	2.9L,3.5		

ISC Event type ke.
SOF Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/22 01:03:55, This location: 2021/09/22 05:56:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=29.1km s-min=21.8km az=157.0.
BEO Event type ke.

ISC	**IX**	**17 02 29 36.5–.76**	**39.42N–.01**	**22.98E–.01**	**15–5**		**329**	**0-8**
SOF	IX	17 02 29 29.6	39.0N–.20	22.85E–.05	10–17	3.7		**¶621801018**
ISK	IX	17 02 29 36.8	39.46N	23.08E	13–0	3.0L		
THE	IX	17 02 29 36.9	39.4N–.60	23.0E–.60	11–1	3.2,3.2		
ATH	IX	17 02 29 36.3	39.43N	23.00E	14–1	3.2L,3.2		
BEO	IX	17 02 29 39.3–.50	39.64N	22.93E	0	2.9L,3.2		
AFAD	IX	17 02 29 43.9	39.63N	23.63E	9–6	2.5L,3.2		

ISC Event type ke.
SOF Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/17 02:30:34, This location: 2021/09/17 02:59:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**17 06 55 44.3–.78**	**38.31N–.02**	**20.39E–.03**	**14–4**		**215**	**0-11**
THE	IX	17 06 55 44.3	38.3N–.30	20.4E–.70	13–0	3.5,3.5		**¶621140441**
ATH	IX	17 06 55 44.6	38.31N	20.38E	8–0	3.5L,3.5		
BEO	IX	17 06 55 45.7–.60	38.40N	20.21E	10	3.4L,3.5		

ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/09/17 06:56:41, This location: 2021/09/17 07:18:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
BEO Event type ke.

ATH	**IX**	**24 07 12 22.1**	**38.32N**	**23.34E**	**12–0**	**2.6L**		
THE	IX	24 07 12 22.5	38.3N–.30	23.4E–.40	10–0	2.8,2.8		**¶621801186**

ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/09/24 07:13:09, This location: 2021/09/24 07:25:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ATH	**IX**	**21 23 32 21.7**	**39.77N**	**22.12E**	**10–1**	**1.6L**		
								¶626165976

ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/21 23:33:26, This location: 2021/09/22 04:33:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**24 14 38 11.9–.83**	**39.75N–.01**	**22.12E–.01**	**5–6**		**211**	**0-5**
SOF	IX	24 14 38 10.3	39.74N–.02	22.07E–.02	10–1	3.5		**¶621801208**
THE	IX	24 14 38 11.9	39.8N–.50	22.1E–.50	3–1	3.1,3.1		
ATH	IX	24 14 38 11.6	39.76N	22.10E	7–0	3.0L,3.1		
BEO	IX	24 14 38 12.3–.70	39.74N	22.19E	4–7	3.0L,3.1		

ISC Event type ke.
SOF Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/24 14:39:09, This location: 2021/09/24 15:45:46 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.

THE IX 24 09 17 31.3 38.3N–.80 23.3E–.80 9–0 1.7,1.7
¶635706656
ATH IX 24 09 17 54.0 39.75N 22.08E 6–1 1.7L
¶621801192
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/09/24 09:19:02, This location: 2021/09/24 09:22:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ATH X 04 02 41 46.5 38.33N 23.36E 11–1 1.8L
¶626167610
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/10/04 02:42:37, This location: 2021/10/04 02:51:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC X 01 02 04 36.9–.80 40.14N–.02 21.36E–.02 14–5 209 0-9
ATH X 01 02 04 35.4 40.15N 21.30E 18–0 3.0L **¶621532719**
TIR X 01 02 04 35.6–1.4 40.17N 21.36E 13–4 3.2L,3.0L
SKO X 01 02 04 36.8 40.06N 21.35E 11 3.6L,3.0L
THE X 01 02 04 36.8 40N–1.0 21.4E–1.0 7–1 2.9,2.9
BEO X 01 02 04 36.7–.30 40.22N 21.40E 0 2.8L,2.9
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/01 02:05:37, This location: 2021/10/01 02:22:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
TIR Event type se. Error ellipse: s-maj=2.8km s-min=2.5km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC X 01 05 04 00.8–.77 39.73N–.01 22.27E–.01 10–4 212 0-5
ATH X 01 05 04 00.4 39.74N 22.22E 5–0 3.2L **¶621801670**
BEO X 01 05 04 00.1–.80 39.70N 22.37E 0 2.8L
THE X 01 05 04 00.7 39.7N–.70 22.2E–.70 6–1 3.1,3.1
SOF X 01 05 04 01.5 39.77N–.01 22.35E–.01 12–1 3.5,3.1
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/10/01 05:04:58, This location: 2021/10/01 05:29:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
BEO Event type ke.
SOF Event type ke.
ISC X 01 05 13 37.5–1.0 39.83N–.01 22.09E–.01 2–9 223 0-5
THE X 01 05 13 37.1 39.8N–.60 22.1E–.80 0–1 3.2,3.2 **¶621801671**
ATH X 01 05 13 37.1 39.85N 22.06E 6–0 3.3L,3.2
SOF X 01 05 13 37.3 39.88N–.01 22.21E–.01 5–1 3.7,3.2
BEO X 01 05 13 37.7–.60 39.80N 22.25E 0 3.0L,3.2
PDG X 01 05 13 37.4–.45 39.83N 22.10E 10–0 3.3L,3.2
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/10/01 05:14:35, This location: 2021/10/01 05:47:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
SOF Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
ATH X 03 19 21 08.7 38.32N 23.36E 10–0 1.3L
¶626167284
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/03 19:21:58, This location: 2021/10/03 19:28:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC X 14 15 00 50.7–.76 39.75N–.01 22.17E–.01 10–5 245 0-80
IDC X 14 15 00 49.6–1.4 39.57N 22.32E 0 3.7b,3.7 **¶621186228**
ATH X 14 15 00 50.4 39.77N 22.16E 9–0 3.5L,3.7
THE X 14 15 00 50.6 39.8N–.60 22.1E–.60 3–1 3.4,3.4
BEO X 14 15 00 52.0–.50 39.88N 22.17E 0 3.0L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=63.5km s-min=23.6km az=149.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/10/14 15:01:46, This location: 2021/10/14 15:41:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
ISC X 12 10 14 38.3–.79 39.51N–.02 22.01E–.02 86–4 3.7b 305 0-44
SOF X 12 10 14 38.8 39.59N–.02 22.27E–.03 8–3 4.3 **¶621146232**
IDC X 12 10 14 39.8–2.7 39.56N 22.02E 100–30 3.7,3.3b
THE X 12 10 14 39.9 39.5N–1.0 22E–1.0 72–2 3.5,3.5
ATH X 12 10 14 39.2 39.50N 22.03E 79–1 3.6L,3.5
BEO X 12 10 14 39.9–1.2 39.48N 21.82E 59–9 3.1L,3.5
ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=20.7km az=104.0.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/10/12 10:15:35, This location: 2021/10/12 10:42:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
ISC X 08 03 46 09.8–.73 38.34N–.02 20.40E–.02 13–4 3.7b 141 0-46
IDC X 08 03 46 09.2–2.9 38.46N 20.78E 0 3.7b,3.5 **¶621224628**
ATH X 08 03 46 09.4 38.34N 20.42E 15–0 3.4L,3.5
THE X 08 03 46 10.3 38.3N–.40 20.4E–.70 10–0 3.4,3.4
BEO X 08 03 46 13.7–.50 38.39N 20.20E 27–4 3.3L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=53.2km s-min=29.3km az=15.0.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/08 03:47:04, This location: 2021/10/08 03:50:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
ATH X 10 21 55 14.7 38.32N 23.42E 9–0 1.8L
¶626167979
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/10 21:56:04, This location: 2021/10/10 22:33:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ATH X 17 21 16 19.6 38.39N 21.76E 14–0 1.4L
¶624418492
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/17 21:17:12, This location: 2021/10/17 23:47:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC X 17 04 50 19.8–.74 38.12N–.01 22.71E–.01 15–4 3.4b 237 0-44
THE X 17 04 50 20.2 38.1N–.60 22.7E–.40 11–1 3.2,3.2 **¶621242869**
ATH X 17 04 50 20.0 38.13N 22.74E 12–1 3.2L,3.2
IDC X 17 04 50 20.7–3.6 38.88N 22.67E 0 3.4b,3.4
BEO X 17 04 50 21.2–.70 38.09N 23.08E 19–9 2.8L,3.4
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/10/17 04:51:10, This location: 2021/10/17 05:15:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=128.3km s-min=25.7km az=177.0.
BEO Event type ke.
ISC X 23 01 17 19.7–.63 38.72N–.01 20.56E–.02 11–3 4.0b 475 0-86
ATH X 23 01 17 19.0 38.74N 20.57E 15–0 3.6L **¶621237726**
NEIC X 23 01 17 20.5–2.0 38.82N–.04 20.56E–.05 10–2 4.1b
IDC X 23 01 17 20.5–.96 39.12N 20.82E 0 3.8b,3.7
THE X 23 01 17 20.1 38.7N–.50 20.6E–.80 0–0 3.5,3.5
GFZ X 23 01 17 21.6–.35 39N–4.0 20E–3.0 10 5.1b,4.5
BEO X 23 01 17 34.8–.70 39.89N 20.66E 1–3 3.0L,4.5
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/23 01:17:31, This location: 2021/10/23 05:21:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.9km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=11.3km az=28.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BEO Event type ke.
THE X 18 22 58 16.2 38N–1.0 23E–3.0 7–1 0.9
¶635806532
ATH X 18 22 58 50.1 38.33N 23.34E 11–0 1.7L
¶621802235
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/10/19 00:53:32, This location: 2021/10/19 00:51:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ATH X 23 01 25 12.6 39.11N 21.65E 16–0 1.6L
TIR X 23 01 25 08.8–.57 41.55N 21.17E 10 2.1L **¶626169013**
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/23 01:26:23, This location: 2021/10/23 10:01:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
TIR Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ATH XI 11 02 34 18.2 38.24N 22.75E 14–0 2.2L
¶626170347
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/11 02:35:09, This location: 2021/11/11 02:54:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
THE X 27 16 43 57.2 38N–1.0 23E–2.0 1–2 1.2
¶635806528
ATH X 27 16 44 29.3 38.33N 23.35E 11–0 2.1L
¶621802514
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/27 16:45:20, This location: 2021/10/27 16:51:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC X 30 07 21 44.4–.68 38.38N–.01 21.76E–.01 12–3 3.7b 263 0-45
ATH X 30 07 21 43.8 38.41N 21.75E 12–0 3.3L **¶621395159**
THE X 30 07 21 43.9 38.4N–.40 21.7E–.30 3–0 3.4,3.4
IDC X 30 07 21 45.0–5.8 38.78N 21.83E 0 3.8b,3.7
BEO X 30 07 21 45.2–.90 38.31N 21.83E 5–7 3.1L,3.7
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/30 07:22:31, This location: 2021/10/30 07:31:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=112.0km s-min=20.5km az=25.0.
BEO Event type ke.
ISC XI 10 12 09 51.3–.81 38.76N–.02 20.59E–.03 9–4 71 0-2
ATH XI 10 12 09 50.3 38.78N 20.53E 14–0 2.5L **¶622050379**
THE XI 10 12 09 51.4 38.8N–.70 21E–1.0 9–1 2.7,2.7
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/11/10 12:10:48, This location: 2021/11/10 12:17:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ATH X 29 20 02 20.1 38.33N 23.36E 9–0 1.9L
¶626169356
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/10/29 20:03:08, This location: 2021/10/29 20:56:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XI 01 11 30 12.1–.57 38.34N–.03 22.57E–.03 97–4 4.0b 442 0-121
SOF XI 01 11 30 11.2 38.4N–.10 22.59E–.05 17 4.3 **¶621245034**
IDC XI 01 11 30 12.9–1.2 38.17N 22.50E 108–13 4.0,3.6b
ATH XI 01 11 30 13.8 38.33N 22.63E 95–1 4.0L,3.6b
GFZ XI 01 11 30 13.4–.23 38N–2.0 23E–3.0 106–3 5.0b,4.3
THE XI 01 11 30 14.7 38N–1.0 22.6E–.80 89–1 3.8,3.8
MCSM XI 01 11 30 16.5–1.0 39N–9.0 22E–8.0 224–15 4.9b,4.3
BEO XI 01 11 30 17.5–.60 38.90N 22.35E 0 3.4L,4.3
ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=14.5km s-min=10.5km az=33.0.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/11/01 11:30:32, This location: 2021/11/01 12:01:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GFZ Error ellipse: s-maj=6.5km s-min=4.5km az=54.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BEO Event type ke.
ATH XI 08 00 08 54.5 39.77N 22.01E 15–0 1.5L
¶626170191
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/08 00:09:49, This location: 2021/11/08 00:14:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XI 18 15 56 20.7–.88 40.41N–.01 21.28E–.02 12–7 199 0-5
TIR XI 18 15 56 18.5–2.3 40.41N 21.30E 2–8 3.4L **¶622050452**
SOF XI 18 15 56 20.8 40.47N–.01 21.35E–.01 16–3 3.8
THE XI 18 15 56 20.7 40N–1.0 21.2E–.80 11–2 3.1,3.1
BEO XI 18 15 56 20.8–.40 40.38N 21.38E 12–4 3.0L,3.1
ATH XI 18 15 56 20.7 40.43N 21.29E 10–1 3.1L,3.1
SKO XI 18 15 56 21.2 40.36N 21.21E 20 3.3L,3.1
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.6km s-min=6.2km az=-1.0. Presumed earthquake.
SOF Event type ke.
BEO Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/11/18 15:57:25, This location: 2021/11/18 16:31:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC XI 16 20 05 52.5–.67 38.39N–.01 21.82E–.01 10–3 3.7b 241 0-45
ATH XI 16 20 05 51.6 38.42N 21.79E 13–1 3.3L **¶621475692**
IDC XI 16 20 05 51.4–1.3 38.49N 21.76E 0 3.6L,3.6b
THE XI 16 20 05 52.6 38.4N–.70 21.8E–.50 8–1 3.3,3.3
BEO XI 16 20 05 53.8–.60 38.37N 21.99E 10–5 3.2L,3.3
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/11/16 20:06:40, This location: 2021/11/16 20:15:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=24.6km s-min=14.7km az=56.0.
BEO Event type ke.
SKO XI 14 14 05 46.7 40.83N 22.77E 22 1.0L
¶626312270
ISC XI 19 13 27 06.1–.43 38.24N–.02 20.38E–.02 19–1 4.8b,4.3s 1266 0-128
SOF XI 19 13 27 01.5 38.0N–.20 20.2E–.10 11–1 5.3,4.3s **¶621423220**
BJI XI 19 13 27 03.2 38.19N 20.30E 14 5.1b,4.9s
IDC XI 19 13 27 03.8–.42 38.33N 20.48E 0 4.5b,4.5
MOS XI 19 13 27 03.6–1.1 38.29N 20.29E 12 4.8b,4.3s
ATH XI 19 13 27 04.2 38.21N 20.29E 16–0 4.8L,4.3s
NEIC XI 19 13 27 05.2–1.4 38.21N–.07 20.37E–.04 13–4 4.8b,4.3s
NAO XI 19 13 27 05.0 38.33N 20.48E 10 4.8b,4.3s
MED_R XI 19 13 27 05.0 38.25N 20.35E 10 4.9W,4.3s
MCSM XI 19 13 27 05.6–.40 38N–2.0 20E–2.0 16–3 5.1b,5.0
PDG XI 19 13 27 05.2–.28 38.25N 20.30E 9–1 5.0,4.9L
THE XI 19 13 27 06.3 38.2N–.70 20E–1.0 13–0 4.7,4.7
BEO XI 19 13 27 06.7–.40 38.20N 20.26E 22–4 4.8L,4.7
AFAD XI 19 13 27 07.0 38.46N 20.18E 108–55 4.6W,4.7
GFZ XI 19 13 27 07.7 38.36N 20.41E 10 4.7W,4.7
GCMT XI 19 13 27 07.6–.20 38.22N–.01 20.26E–.02 19–1 4.9W,4.7
GFZ XI 19 13 27 07.6–.15 38N–2.0 20E–1.0 10 5.4b,5.0L
ISC Event type ke.
SOF Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/11/19 13:28:00, This location: 2021/11/19 13:34:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NAO Event type se. Presumed earthquake.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.89±.09 $M_{\theta\theta}$2.62±.07; $M_{\phi\phi}$0.00±.06; $M_{r\theta}$0.06±.26; $M_{\theta\phi}$-0.71±.08; $M_{\phi r}$1.03±.21; NP1: ϕ_s239.00000°,δ66.00000°,λ-157.00000°. NP2:ϕ_s139.00000°,δ69.00000°,λ-26.00000°. Principal axes: T 2.7400,Plg2.0000°,Azm189.0000°; N -0.2400,Plg57.0000°,Azm282.0000° ; P -2.4900,Plg33.0000°,Azm98.0000° M_o2.62000×10^{16}
PDG Event type ke.
BEO Event type ke.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.37 $M_{\theta\theta}$1.34 $M_{\phi\phi}$-0.97 $M_{r\theta}$0.35 $M_{\theta\phi}$-0.64 $M_{\phi r}$0.02 NP1: ϕ_s149.97429°,δ77.26625°,λ1.25749°. NP2:ϕ_s59.69706°,δ88.77344°,λ167.26328°. Principal axes: T 1.5591,Plg9.8458°,Azm14.1255°; N -0.4091,Plg77.2053°,Azm234.2871° ; P -1.1499,Plg8.0898°,Azm105.5390° M_o1.40009×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111191327A. Moment Tensor Solution. s26,c29; s118,c166; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.27±.12 $M_{\theta\theta}$2.64±.09; $M_{\phi\phi}$-1.37±.07; $M_{r\theta}$0.16±.17; $M_{\theta\phi}$-1.50±.07; $M_{\phi r}$-0.14±.17; Best double couple: NP1:ϕ_s63.00000°,δ83.00000° ,λ-177.00000°. NP2:ϕ_s333.00000°,δ87.00000°,λ-7.00000°. Principal axes: T 3.1480,Plg3.0000°,Azm18.0000°; N -1.2680,Plg82.0000°,Azm127.0000° ; P -1.8790,Plg7.0000°,Azm288.0000° $M_0$2.51400×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**24 17 45 21.6–.89**	**38.87N–.01**	**22.88E–.01**	**8–7**		**228**	**0-8**
BEO	XI	24 17 45 20.5–.70	38.76N	23.41E	10	3.0L	**¶622050508**	
THE	XI	24 17 45 21.4	38.9N–.50	22.9E–.50	0–1	3.2,3.2		
ATH	XI	24 17 45 21.3	38.87N	22.88E	8–1	3.3L,3.2		
SOF	XI	24 17 45 21.2	38.96N–.02	23.06E–.02	6–2	3.7,3.2		

ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/11/24 17:46:14, This location: 2021/11/24 18:05:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
SOF Event type ke.

ISC	**XI**	**20 01 22 43.1–.80**	**38.29N–.01**	**22.66E–.01**	**12–6**	**3.5b**	**331**	**0-44**
ATH	XI	20 01 22 42.7	38.28N	22.65E	10–0	3.6L	**¶621590327**	
THE	XI	20 01 22 42.9	38.3N–.50	22.6E–.40	11–3	3.7,3.7		
IDC	XI	20 01 22 48.4–2.2	38.15N	22.77E	52–24	3.6,3.4b		
BEO	XI	20 01 22 49.2–.70	38.64N	22.67E	10	3.0L,3.4b		
SOF	XI	20 01 22 51.3	39.0N–.10	23.03E–.07	2–1	3.5,3.4b		
AFAD	XI	20 01 22 55.4	38.93N	23.62E	6–3	2.6L,3.4b		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/11/20 01:23:34, This location: 2021/11/20 01:36:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=30.6km s-min=15.0km az=179.0.
BEO Event type ke.
SOF Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**XI**	**21 00 37 01.8–.79**	**38.37N–.01**	**21.83E–.01**	**6–5**		**136**	**0-45**
THE	XI	21 00 37 01.5	38.4N–.80	21.8E–.60	8–1	3.1,3.1	**¶621608887**	
ATH	XI	21 00 37 01.6	38.38N	21.82E	6–0	3.0L,3.1		
IDC	XI	21 00 37 01.3–4.4	38.43N	21.84E	0	3.3b,3.3		

ISC Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/11/21 00:37:50, This location: 2021/11/21 00:47:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=163.2km s-min=28.3km az=177.0.

ISC	**XI**	**25 21 05 04.6–.60**	**38.75N–.01**	**21.27E–.01**	**17–4**	**3.8b**	**299**	**0-45**
IDC	XI	25 21 04 60.0–1.5	38.49N	21.25E	0	3.9b,3.7	**¶621618724**	
ATH	XI	25 21 05 04.2	38.76N	21.26E	20–0	3.6L,3.7		
THE	XI	25 21 05 05.1	38.8N–.60	21.3E–.50	0–0	3.3,3.3		
NEIC	XI	25 21 05 07.4–.96	38.73N–.03	21.24E–.07	43–14	4.3b,3.3		
BEO	XI	25 21 05 08.1–.50	39.01N	21.41E	4–8	3.2L,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=16.1km az=175.0.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/25 21:05:55, This location: 2021/11/25 21:42:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.5km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.

ATH	**XI**	**24 20 01 18.3**	**38.41N**	**21.91E**	**9–0**	**1.3L**		
							¶622050509	

ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/11/24 20:02:04, This location: 2021/11/24 20:26:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**XI**	**25 21 06 17.5–.74**	**38.74N–.01**	**21.26E–.01**	**13–5**	**4.0b**	**172**	**0-45**
IDC	XI	25 21 06 11.8–1.6	38.43N	21.14E	0	4.0b,3.7	**¶621618725**	
ATH	XI	25 21 06 16.6	38.77N	21.27E	18–0	3.5L,3.7		
THE	XI	25 21 06 17.4	38.8N–.60	21.3E–.50	0–1	3.4,3.4		

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/25 21:44:16, This location: 2021/11/25 21:50:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**XII**	**13 11 54 44.9–1.1**	**38.54N–.02**	**23.98E–.02**	**14–9**		**94**	**0-3**
ATH	XII	13 11 54 45.0	38.54N	23.97E	22–1	3.1L	**¶621824596**	
THE	XII	13 11 54 46.4	38.5N–.50	24E–1.0	0–3	3.0,3.0		
ISK	XII	13 11 54 47.9	38.36N	24.04E	20–0	2.6L,3.0		

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/13 11:55:38, This location: 2021/12/13 12:04:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**XI**	**30 14 20 21.2–.53**	**38.40N–.01**	**22.10E–.01**	**6–3**	**4.4b**	**515**	**0-121**
IDC	XI	30 14 20 19.7–.82	38.29N	22.28E	0	4.1b,4.0	**¶621532531**	
THE	XI	30 14 20 20.8	38.4N–.60	22.1E–.50	4–1	4.1,4.1		
ATH	XI	30 14 20 20.1	38.42N	22.10E	11–0	4.1L,4.1		
MOS	XI	30 14 20 21.9–1.0	38.47N	22.27E	15	4.7b,4.1		
MCSM	XI	30 14 20 21.9–.90	38N–5.0	22E–3.0	12–6	4.5b,4.5		
PDG	XI	30 14 20 21.0–.67	38.41N	22.11E	8–1	4.2L,4.5		
NEIC	XI	30 14 20 22.1	38.37N	22.21E	10	4.2L,4.5		
BEO	XI	30 14 20 22.8–.50	38.43N	22.31E	5	3.9L,4.5		
NEIC	XI	30 14 20 22.1–1.8	38.37N–.03	22.25E–.07	10–1	4.6b,4.4		
GFZ	XI	30 14 20 23.8–.25	38N–2.0	22E–2.0	10	5.5,5.4		
NAO	XI	30 14 20 23.9	39.07N	24.47E	10	3.5b,5.4		

ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=13.8km az=177.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/11/30 14:21:07, This location: 2021/11/30 14:28:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=90.2.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
NEIC Event type se.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.7km az=276.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-4.28 $M_{\theta\theta}$4.06 $M_{\phi\phi}$0.22 $M_{r\theta}$-0.22 $M_{\theta\phi}$0.53 $M_{\phi r}$0.74 NP1:ϕ_s91.79000°,δ46.63000°,λ-76.82000°. NP2:ϕ_s252.95000°,δ44.95000° ,λ-103.57000°. Principal axes: T 4.1327,Plg1.0000°,Azm173.0000°; N 0.2753,Plg10.0000° ,Azm263.0000°; P -4.4080,Plg80.0000°,Azm77.0000° $M_0$4.28000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.

ISC	**XII**	**08 07 49 49.5–.67**	**38.96N–.01**	**20.65E–.02**	**16–4**	**4.4b**	**560**	**0-122**
MOS	XII	08 07 49 46.4–1.2	38.85N	20.52E	11	4.8b	**¶621620229**	
IDC	XII	08 07 49 47.3–.59	39.07N	20.69E	0	4.2b,4.1		
TIR	XII	08 07 49 47.9–1.1	39.00N	20.69E	1–4	4.2L,4.1		
SOF	XII	08 07 49 48.5	38.88N–.08	20.63E–.04	10–2	4.6,4.1		
ATH	XII	08 07 49 48.4	38.98N	20.64E	19–0	4.4L,4.1		
BEO	XII	08 07 49 48.9–.40	38.86N	20.45E	12–2	4.2L,4.1		
NEIC	XII	08 07 49 49.9–2.6	39.06N–.05	20.65E–.07	10–1	4.5b,4.1		
THE	XII	08 07 49 49.1	39.0N–.90	21E–1.0	0–1	4.3,4.3		
MED_R	XII	08 07 49 49.0	38.96N	20.62E	10	4.5W,4.3		
PDG	XII	08 07 49 49.7–.66	38.98N	20.54E	6–2	4.3L,4.3		
MCSM	XII	08 07 49 50.4–1.4	39N–4.0	21E–3.0	11–12	5.0b,4.7		
GFZ	XII	08 07 49 51.4	38.93N	20.67E	14	4.4W,4.7		
GFZ	XII	08 07 49 51.4–.24	39N–2.0	21E–2.0	10	5.2b,4.5		
NAO	XII	08 07 49 51.0	39.07N	20.69E	10	4.0b,4.5		
ISK	XII	08 07 50 36.1	40.36N	24.58E	8–0	2.3L,4.5		

ISC Event type ke.
MOS Error ellipse: s-maj=8.9km s-min=4.7km az=77.5.
IDC Error ellipse: s-maj=11.6km s-min=8.6km az=163.0.
TIR Event type se. Error ellipse: s-maj=2.6km s-min=3.3km az=-1.0. Presumed earthquake.
SOF Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/08 07:50:43, This location: 2022/05/16 09:42:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.7km az=236.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}2.27±.61 $M_{\theta\theta}$-1.96±.80; $M_{\phi\phi}$0.00±.68; $M_{r\theta}$-3.78±1.52; $M_{\theta\phi}$6.66±.37; $M_{\phi r}$0.60±1.44; NP1:ϕ_s176.00000°,δ57.00000°,λ171.00000°. NP2:ϕ_s271.00000°,δ82.00000°,λ33.00000°. Principal axes: T 6.7100,Plg29.0000°,Azm138.0000°; N 2.1000,Plg56.0000°,Azm283.0000° ; P -8.8100,Plg17.0000°,Azm39.0000° $M_0$7.76000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.3km az=0.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.11 $M_{\theta\theta}$1.30 $M_{\phi\phi}$-1.40 $M_{r\theta}$-0.47 $M_{\theta\phi}$5.10 $M_{\phi r}$0.38 NP1: ϕ_s97.26998°,δ86.79471°,λ-5.42417°. NP2:ϕ_s187.57417°,δ84.58434°,λ-176.78033°. Principal axes: T 5.2213,Plg1.5586°,Azm142.5049°; N 0.1679,Plg83.7020°,Azm246.7782° ; P -5.3891,Plg6.1006°,Azm52.3383° $M_0$5.30721×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.
ISK Event type ke.

ATH	**XII**	**09 04 53 37.3**	**38.17N**	**21.73E**	**25–0**	**1.5L**		
							¶624419021	

ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/12/09 04:54:32, This location: 2021/12/09 05:00:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**XII**	**15 00 48 16.5–.50**	**38.26N–.01**	**22.09E–.01**	**11–3**	**4.5b,3.6s**	**808**	**0-134**
NAO	XII	15 00 47 49.9	36.14N	26.10E	10	4.4b,3.6s	**¶621630195**	
IDC	XII	15 00 48 14.7–.55	38.27N	22.20E	0	4.3b,4.2		
MED_R	XII	15 00 48 15.0	38.25N	22.07E	22	4.3W,4.2		
MOS	XII	15 00 48 15.6–1.0	38.30N	22.12E	13	4.8b,4.2		
MCSM	XII	15 00 48 16.6–.50	38N–6.0	22E–5.0	10	4.7b,4.7		
THE	XII	15 00 48 16.5	38.3N–.50	22.1E–.50	6–1	4.2,4.2		
PDG	XII	15 00 48 16.2–.42	38.27N	22.08E	13–0	3.9L,4.2		
ATH	XII	15 00 48 16.1	38.26N	22.08E	13–0	4.2L,4.2		
BEO	XII	15 00 48 16.2–.50	38.08N	22.34E	14–4	3.8L,4.2		
UPSL	XII	15 00 48 17.6	38.26N	22.08E	12	4.1W,4.2		
NEIC	XII	15 00 48 17.2–2.2	38.30N–.03	22.12E–.07	10–1	4.5b,4.2		
GFZ	XII	15 00 48 18.7–.19	38N–2.0	22E–2.0	10	4.3b,4.3		
SOF	XII	15 00 48 21.7	38.75N–.06	22.44E–.04	4–6	4.3,4.3		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-2.34±.72 $M_{\theta\theta}$2.81±.41; $M_{\phi\phi}$0.00±.34; $M_{r\theta}$-1.31±.30; $M_{\theta\phi}$0.40±.30; $M_{\phi r}$0.95±.36; NP1: ϕ_s241.00000°,δ37.00000°,λ-128.00000°. NP2:ϕ_s105.00000°,δ61.00000°,λ-65.00000°. Principal axes: T 3.1300,Plg13.0000°,Azm177.0000°; N -0.0700,Plg22.0000°,Azm272.0000° ; P -3.0600,Plg64.0000°,Azm58.0000° $M_0$3.09000×10^{15}
PDG Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/12/15 00:49:04, This location: 2021/12/15 01:06:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
UPSL Moment Tensor Solution. s7 Moment tensor: M_{rr}-0.32 $M_{\theta\theta}$0.77 $M_{\phi\phi}$-0.45 $M_{r\theta}$-1.16 $M_{\theta\phi}$0.23 $M_{\phi r}$0.68 NP1:ϕ_s222.00000°,δ26.00000°,λ-164.00000°. NP2:ϕ_s117.00000°,δ83.00000° ,λ-65.00000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SOF Event type ke.

ISC	**XII**	**14 03 57 46.0–1.0**	**38.52N–.02**	**23.95E–.03**	**12–9**		**104**	**0-1**
ATH	XII	14 03 57 45.7	38.51N	23.96E	12–1	2.7L	**¶622050728**	
THE	XII	14 03 57 46.2	38.5N–.60	23.9E–.80	3–2	2.8,2.8		

ISC Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/12/14 03:58:39, This location: 2021/12/14 04:06:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ATH	**XII**	**21 03 02 31.1**	**38.21N**	**23.27E**	**10–0**	**1.5L**		
							¶626172317	

ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/12/21 03:34:07, This location: 2021/12/21 03:38:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ATH	**XII**	**15 05 14 01.0**	**38.56N**	**21.58E**	**20–0**	**1.8L**		
							¶622050738	

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/15 06:05:55, This location: 2021/12/15 06:03:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

THE	**XII**	**15 05 14 50.3**	**38N–1.0**	**23E–2.0**	**8–1**	**1.9**		
							¶636235750	
ISC	**XII**	**19 22 52 52.7–.70**	**38.39N–.01**	**21.75E–.01**	**13–4**		**171**	**0-45**
IDC	XII	19 22 52 49.8–16	38.32N	21.63E	0	3.8b,3.6	**¶621657112**	
ATH	XII	19 22 52 51.4	38.41N	21.76E	17–1	3.2L,3.6		
THE	XII	19 22 52 52.2	38.4N–.70	21.7E–.40	2–1	3.0,3.0		
NEIC	XII	19 22 52 52.5–.96	38.31N–.03	21.69E–.09	10–2	4.0b,3.0		

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/19 22:53:41, This location: 2021/12/19 23:06:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

THE	**XII**	**27 03 06 40.3**	**38.1N–.80**	**21E–2.0**	**12–0**	**2.1,2.1**		
							¶636235736	
ISC	**XII**	**24 01 55 40.6–.58**	**38.87N–.03**	**20.64E–.03**	**41–5**	**4.4s,4.2b**	**446**	**0-95**
NEIC	XII	24 01 55 39.7–2.6	38.72N–.06	20.73E–.05	35–2	4.4b,4.2b	**¶621652216**	
IDC	XII	24 01 55 39.6–1.4	38.81N	20.68E	37–15	3.9,3.8L		
GFZ	XII	24 01 55 41.0–.18	39N–2.0	21E–2.0	38	5.2b,4.6		
PDG	XII	24 01 55 40.8–.64	38.88N	20.63E	45–2	4.4L,4.6		
ATH	XII	24 01 55 41.5	38.84N	20.69E	41–1	3.7L,4.6		
THE	XII	24 01 55 42.2	38.8N–.80	21E–1.0	39–1	4.0,4.0		
BEO	XII	24 01 55 42.5–.70	38.91N	20.61E	41–3	3.7L,4.0		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.6km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.8km s-min=9.1km az=6.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.7km az=0.0.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/24 01:56:37, This location: 2021/12/24 02:45:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
BEO Event type ke.

ISC	**XII**	**24 11 41 47.4–.80**	**39.81N–.02**	**22.08E–.01**	**10–5**	**4.2b,3.5s**	**458**	**0-85**
IDC	XII	24 11 41 46.3–.78	39.81N	22.06E	0	4.0b,4.0	**¶621652382**	
PDG	XII	24 11 41 47.4–.60	39.81N	22.07E	11–0	4.3L,4.0		
THE	XII	24 11 41 47.3	39.8N–.80	22.0E–.80	0–3	3.9,3.9		
ATH	XII	24 11 41 47.2	39.81N	22.05E	8–1	4.0L,3.9		
BEO	XII	24 11 41 47.5–.40	39.72N	22.16E	7–9	4.0L,3.9		
MED_R	XII	24 11 41 47.0	39.81N	22.03E	12	4.2W,3.9		
NEIC	XII	24 11 41 48.2–1.1	39.83N–.05	22.19E–.06	14–5	4.2b,3.9		
GFZ	XII	24 11 41 49.8–.18	40N–2.0	22E–2.0	10	5.0b,4.4b		
NAO	XII	24 11 42 04.6	40.86N	20.60E	33	3.8b,4.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=14.7km s-min=10.3km az=169.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/24 11:42:38, This location: 2021/12/24 12:02:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-2.68±.57 $M_{\theta\theta}$1.89±.38; $M_{\phi\phi}$0.00±.26; $M_{r\theta}$1.36±.52; $M_{\theta\phi}$-0.72±.15; $M_{\phi r}$-0.30±.37; NP1: ϕ_s121.00000°,δ31.00000°,λ-81.00000°. NP2:ϕ_s290.00000°,δ60.00000°,λ-95.00000°. Principal axes: T 2.6000,Plg14.0000°,Azm24.0000°; N 0.4600,Plg5.0000°,Azm293.0000° ; P -3.0600,Plg75.0000°,Azm186.0000° $M_0$2.83000×10^{15}
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.5km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.

ISC	**XII**	**26 16 13 52.5–.58**	**38.10N–.01**	**23.16E–.01**	**11–3**	**4.4b**	**522**	**0-128**
NAO	XII	26 16 13 26.0	35.08N	24.47E	33	4.2b		**¶621653670**
IDC	XII	26 16 13 50.5–.59	38.03N	23.22E	0	4.1b,4.0		
MOS	XII	26 16 13 50.1–.95	38.11N	23.15E	6	4.5b,4.0		
ATH	XII	26 16 13 51.6	38.10N	23.14E	17–0	4.0L,4.0		
ISK	XII	26 16 13 51.6	38.13N	23.15E	3–0	4.0L,4.0		
THE	XII	26 16 13 52.5	38.1N–.60	23.2E–.40	0–1	4.0,4.0		
BEO	XII	26 16 13 52.8–.60	38.06N	23.23E	10	3.8L,4.0		
PDG	XII	26 16 13 52.5–.52	38.13N	23.14E	14–0	4.6L,4.0		
NEIC	XII	26 16 13 53.3–1.4	38.15N–.05	23.20E–.07	10–1	4.5b,4.0		
GFZ	XII	26 16 13 55.2–.19	38N–2.0	23E–2.0	10	4.2,4.2		
SOF	XII	26 16 13 57.3	38.3N–.10	23.37E–.03	50–71	3.9,4.2		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/26 16:14:40, This location: 2021/12/26 16:20:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
BEO Event type ke.
PDG Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SOF Event type ke.

ISC	**XII**	**28 21 57 46.1–.92**	**40.62N–.01**	**23.11E–.01**	**4–7**	**3.4b,2.8s**	**464**	**0-43**
SOF	XII	28 21 57 45.7	40.61N–.01	23.13E–.01	12–1	4.0,2.8s		**¶621656473**
PDG	XII	28 21 57 46.2–.45	40.60N	23.14E	11–0	3.4L,2.8s		
THE	XII	28 21 57 46.3	40.6N–.60	23.1E–.60	2–1	3.5,3.5		
ISK	XII	28 21 57 46.1	40.57N	23.11E	14–0	3.5L,3.5		
ATH	XII	28 21 57 46.0	40.61N	23.11E	6–0	3.4L,3.5		
IDC	XII	28 21 57 46.6–1.2	40.65N	23.22E	0	3.4,3.3b		
GFZ	XII	28 21 57 46.6–.17	41N–2.0	23E–2.0	10	4.6b,4.1b		
NEIC	XII	28 21 57 46.8–1.7	40.60N–.04	23.11E–.05	10–2	3.2L,4.1b		
BEO	XII	28 21 57 47.2–.40	40.70N	23.05E	1–2	3.5L,4.1b		
AFAD	XII	28 21 57 49.1	40.73N	23.39E	7–4	3.2L,4.1b		

ISC Event type ke.
SOF Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/28 21:58:49, This location: 2021/12/28 22:21:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=19.2km s-min=12.5km az=145.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.6km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
AFAD Event type se. Presumed earthquake.

ATH	**XII**	**29 06 56 53.5**	**39.80N**	**22.04E**	**5–1**	**2.5L**		
THE	XII	29 06 56 53.6	40N–1.0	22.1E–.90	2–1	2.5,2.5		**¶622050849**

ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/12/29 06:57:51, This location: 2021/12/29 07:43:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

(365) Aegean Sea.

ISC	**VII**	**09 04 05 53.8–.89**	**38.94N–.02**	**26.03E–.02**	**13–7**		**181**	**0-8**
SOF	VII	09 04 05 46.7	38.6N–.10	26.4E–.10	13–19	3.9		**¶620783826**
THE	VII	09 04 05 53.8	38.9N–.80	26E–2.0	7–2	3.3,3.3		
AFAD	VII	09 04 05 53.8	38.87N	25.99E	7–3	3.7W,3.3		
ISK	VII	09 04 05 53.4	38.95N	26.05E	9–0	3.8L,3.3		
ATH	VII	09 04 05 53.3	38.92N	26.05E	12–1	3.3L,3.3		
BEO	VII	09 04 05 57.0–.70	39.11N	26.07E	10	3.3L,3.3		

ISC Event type ke.
SOF Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/09 04:07:07, This location: 2021/07/09 05:22:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
BEO Event type ke.

ISC	**VII**	**09 04 51 25.7–.97**	**38.93N–.02**	**26.01E–.03**	**9–9**		**69**	**0-2**
ISK	VII	09 04 51 25.9	38.98N	26.05E	6–0	2.9L		**¶621194265**
THE	VII	09 04 51 25.6	38.9N–.80	26E–1.0	4–2	2.7,2.7		
ATH	VII	09 04 51 25.3	38.93N	26.03E	11–1	2.7L,2.7		
AFAD	VII	09 04 51 26.4	38.89N	26.05E	6–3	2.5L,2.7		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/09 04:53:09, This location: 2021/07/09 05:28:35 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

ATH	**VII**	**09 14 50 48.8**	**38.73N**	**25.63E**	**25–2**	**2.6L**		
THE	VII	09 14 50 48.6	39N–9.0	26E–19	13–14	2.5,2.5		**¶621799931**
AFAD	VII	09 14 50 49.3	38.74N	25.62E	7–2	2.5L,2.5		

ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/09 14:52:01, This location: 2021/07/09 15:10:35 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**09 23 42 58.3–.93**	**38.94N–.02**	**26.04E–.02**	**11–7**		**179**	**0-8**
SOF	VII	09 23 42 55.9	38.95N–.07	26.00E–.04	2–1	3.5		**¶626239670**
ISK	VII	09 23 42 57.7	38.95N	26.04E	9–0	3.4L		
ATH	VII	09 23 42 58.1	38.93N	26.03E	12–1	3.0L		
AFAD	VII	09 23 42 58.4	38.95N	26.04E	7–2	3.1L		
THE	VII	09 23 42 58.2	38.9N–.80	26E–1.0	7–1	3.0,3.0		

ISC Event type ke.
SOF Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/09 23:44:12, This location: 2021/07/09 23:56:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**10 14 43 22.2–.68**	**38.94N–.02**	**26.04E–.02**	**10–4**	**4.2b,3.8s**	**540**	**0-118**
SOF	VII	10 14 43 19.9	38.90N–.01	26.00E–.01	2–2	4.5,3.8s		**¶620787382**
IDC	VII	10 14 43 20.0–.67	38.75N	26.03E	0	3.9b,3.8		
ISK	VII	10 14 43 21.4	38.94N	26.05E	9–0	4.4L,3.8		
MED_R	VII	10 14 43 21.0	38.90N	26.02E	10	4.5W,3.8		
AFAD	VII	10 14 43 21.8	38.93N	26.04E	7–3	4.3W,3.8		
NEIC	VII	10 14 43 22.7–1.4	38.916N–.01	26.02E–.07	10–1	4.3b,3.8		
THE	VII	10 14 43 22.1	38.9N–.80	26E–2.0	8–1	4.0,4.0		
ATH	VII	10 14 43 22.0	38.92N	26.06E	13–1	4.0L,4.0		
GFZ	VII	10 14 43 23.0–.25	39N–2.0	26E–3.0	10	4.4b,4.2		
CFUSG	VII	10 14 43 23.4	39.20N	25.50E	26	3.7,3.3b		
MCSM	VII	10 14 43 24.5–.30	39N–3.0	26E–3.0	10	4.7b,4.5		
BEO	VII	10 14 43 25.3–.60	39.18N	26.08E	2–0	4.1L,4.5		

ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=10.5km az=14.0.
ISK Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.75±.02 $M_{\theta\theta}$0.64±.02; $M_{\phi\phi}$0.00±.02; $M_{r\theta}$-0.17±.07; $M_{\theta\phi}$-0.07±.02; $M_{\phi r}$-0.25±.10; NP1: ϕ_s291.00000°,δ41.00000°,λ-66.00000°. NP2:ϕ_s80.00000°,δ53.00000°,λ-110.00000°. Principal axes: T 0.6700,Plg6.0000°,Azm184.0000°; N 0.1700,Plg16.0000°,Azm92.0000° ; P -0.8300,Plg73.0000°,Azm295.0000° $M_0$0.75000×10^{16}
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=2.9km az=274.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/10 14:44:36, This location: 2021/07/10 15:06:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BEO Event type ke.

ISK	**VII**	**10 15 43 16.8**	**38.95N**	**26.07E**	**6–0**	**2.2L**		
AFAD	VII	10 15 43 16.3	38.93N	26.04E	7–6	1.8L		**¶626517538**

ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**10 19 19 17.5–.87**	**38.95N–.01**	**26.04E–.02**	**11–6**	**3.9b,3.7s**	**501**	**0-94**
ATH	VII	10 19 19 16.5	38.92N	26.10E	9–1	3.8L,3.7s		**¶620787380**
IDC	VII	10 19 19 16.3–.68	38.86N	26.08E	0	3.8b,3.7		
AFAD	VII	10 19 19 16.6	38.94N	26.00E	13–2	4.3W,3.7		
ISK	VII	10 19 19 16.9	38.94N	26.04E	9–0	4.3L,3.7		
NEIC	VII	10 19 19 17.3–1.3	38.92N–.04	26.01E–.03	10–1	4.1b,3.7		
MCSM	VII	10 19 19 17.8–1.1	39N–3.0	26E–3.0	7–7	4.5b,4.4		
THE	VII	10 19 19 17.4	38.9N–.90	26E–2.0	2–1	4.0,4.0		
GFZ	VII	10 19 19 18.3–.26	39N–2.0	26E–3.0	10	4.3b,4.0		
SOF	VII	10 19 19 18.3	39.20N–.07	26.01E–.02	3–84	4.1,4.0		
CFUSG	VII	10 19 19 18.9	39.00N	26.00E	10	3.4,3.1b		
BEO	VII	10 19 19 21.6–.60	39.05N	26.03E	22–3	4.0L,3.1b		

ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/10 19:20:26, This location: 2021/07/10 19:34:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=10.1km s-min=10.0km az=91.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SOF Event type ke.
BEO Event type ke.

ISC	**VII**	**14 23 35 20.1–.88**	**38.92N–.01**	**26.07E–.02**	**14–7**		**155**	**0-5**
SOF	VII	14 23 35 14.5	38.7N–.10	26.21E–.06	2–2	3.5		**¶621041855**
ISK	VII	14 23 35 19.8	38.94N	26.04E	4–0	3.0L		
AFAD	VII	14 23 35 20.7	38.94N	26.12E	6–1	2.8L		
ATH	VII	14 23 35 20.0	38.93N	26.08E	14–1	2.7L		
THE	VII	14 23 35 20.4	38.9N–.70	26E–1.0	9–1	2.6,2.6		

ISC Event type ke.
SOF Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/14 23:36:38, This location: 2021/07/14 23:40:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**VII**	**16 09 06 15.3–.99**	**38.93N–.02**	**26.02E–.03**	**11–8**		**50**	**0-2**
AFAD	VII	16 09 06 14.0	38.91N	25.96E	18–8	2.4L		**¶621194635**
ISK	VII	16 09 06 15.1	38.96N	26.01E	7–0	2.7L		
THE	VII	16 09 06 15.3	38.9N–.90	26E–2.0	8–2	2.3,2.3		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VII**	**17 03 51 43.9–.92**	**38.94N–.02**	**26.00E–.03**	**15–7**		**79**	**0-2**
AFAD	VII	17 03 51 43.4	38.93N	25.98E	12–4	2.3L		**¶621194715**
ISK	VII	17 03 51 43.8	38.94N	26.04E	6–0	2.5L		
ATH	VII	17 03 51 44.2	38.92N	26.00E	15–1	2.3L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/07/17 03:53:20, This location: 2021/07/17 04:50:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	**VII**	**21 23 03 45.9–.95**	**38.93N–.02**	**26.07E–.02**	**8–7**	**3.7b**	**441**	**0-63**
SOF	VII	21 23 03 41.3	38.72N–.08	26.33E–.06	16–7	4.3		**¶620844217**
IDC	VII	21 23 03 44.2–.70	38.78N	26.08E	0	3.7b,3.6		
ATH	VII	21 23 03 45.8	38.92N	26.08E	12–1	3.7L,3.6		
THE	VII	21 23 03 45.7	38.9N–.80	26E–1.0	9–1	3.7,3.7		
AFAD	VII	21 23 03 45.2	38.94N	26.04E	25–1	3.7L,3.7		
ISK	VII	21 23 03 45.2	38.95N	26.06E	7–0	4.0L,3.7		
NEIC	VII	21 23 03 46.8–1.2	38.92N–.04	26.09E–.05	15–7	3.9b,3.7		
GFZ	VII	21 23 03 47.3–.23	39N–2.0	26E–2.0	10	4.3b,4.3		
CFUSG	VII	21 23 03 48.7	39.29N	26.22E	10	3.7,2.8s		
NAO	VII	21 23 04 00.4	39.57N	24.76E	33	3.2b,2.8s		

ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=10.9km s-min=10.1km az=116.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/21 23:04:56, This location: 2021/07/21 23:42:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.5km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VII**	**21 23 19 39.5–.85**	**38.93N–.02**	**26.09E–.02**	**16–6**	**3.1b**	**305**	**0-41**
SOF	VII	21 23 19 36.3	38.9N–.20	26.2E–.10	2–7	4.0		**¶620844222**
IDC	VII	21 23 19 37.0–1.1	38.90N	26.31E	0	3.4L,3.4		
THE	VII	21 23 19 39.9	38.9N–.80	26E–1.0	8–1	3.4,3.4		
ATH	VII	21 23 19 39.8	38.91N	26.09E	13–1	3.5L,3.4		
ISK	VII	21 23 19 39.4	38.94N	26.06E	11–0	3.8L,3.4		
AFAD	VII	21 23 19 39.9	38.95N	26.10E	21–2	3.6L,3.4		
GFZ	VII	21 23 19 40.4–.24	39N–2.0	26E–3.0	10	4.1b,4.1		
CFUSG	VII	21 23 19 42.5	39.22N	26.20E	10	3.3,2.6s		

ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=15.2km az=10.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/21 23:20:48, This location: 2021/07/22 00:29:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VII**	**21 23 28 36.0–.91**	**38.92N–.02**	**26.08E–.02**	**13–7**		**207**	**0-9**
ISK	VII	21 23 28 35.9	38.95N	26.05E	8–0	3.6L		**¶621195040**
AFAD	VII	21 23 28 35.8	39.12N	25.92E	7–2	3.3L		
ATH	VII	21 23 28 35.8	38.90N	26.10E	12–1	3.4L		
THE	VII	21 23 28 36.4	38.9N–.80	26E–1.0	8–1	3.4,3.4		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/21 23:29:48, This location: 2021/07/22 00:18:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	VII	**21 23 43 50.9–.96**	**38.93N–.02**	**26.07E–.02**	**10–8**		**198**	**0-9**
SOF	VII	21 23 43 47.8	38.8N–.20	26.1E–.10	5–7	3.9		¶620844224
AFAD	VII	21 23 43 50.7	38.94N	26.05E	7–2	3.4L		
ATH	VII	21 23 43 50.6	38.92N	26.09E	13–1	3.3L		
ISK	VII	21 23 43 50.9	38.97N	26.07E	7–0	3.6L		
THE	VII	21 23 43 51.9	39N–3.0	26E–4.0	15–4	3.4,3.4		

ISC Event type ke.
SOF Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/21 23:45:02, This location: 2021/07/22 00:05:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**VII**	**22 00 40 25.7–.93**	**38.95N–.02**	**26.08E–.02**	**11–8**		**225**	**0-9**
AFAD	VII	22 00 40 24.8	38.94N	26.05E	25–1	3.6L		¶621195100
ISK	VII	22 00 40 25.1	38.97N	26.07E	8–0	3.6L		
THE	VII	22 00 40 25.6	38.9N–.90	26E–1.0	6–2	3.1,3.1		
ATH	VII	22 00 40 25.7	38.93N	26.10E	14–1	3.1L,3.1		
CFUSG	VII	22 00 40 27.0	39.12N	26.32E	5	3.2,2.5s		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/22 00:41:34, This location: 2021/07/22 01:11:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	**VII**	**21 17 58 07.1–1.0**	**38.93N–.02**	**26.03E–.02**	**6–8**	**4.1b**	**177**	**0-41**
ISK	VII	21 17 58 06.8	38.95N	26.00E	8–0	3.5L		¶620842815
IDC	VII	21 17 58 06.3–1.3	38.88N	26.01E	0	3.5L,3.2		
AFAD	VII	21 17 58 07.0	38.92N	26.02E	13–2	3.6W,3.2		
THE	VII	21 17 58 07.7	39N–2.0	26E–3.0	7–3	3.2,3.2		
ATH	VII	21 17 58 07.8	38.94N	26.08E	16–1	3.2L,3.2		

ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=12.9km az=111.0.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/21 17:59:19, This location: 2021/07/22 02:18:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	**VII**	**22 01 41 05.9–.96**	**38.95N–.02**	**26.12E–.02**	**11–8**		**268**	**0-9**
SOF	VII	22 01 41 02.4	38.9N–.10	26.21E–.09	5–7	3.9		¶620844255
ISK	VII	22 01 41 05.3	38.95N	26.08E	8–0	3.8L		
AFAD	VII	22 01 41 05.6	38.95N	26.08E	13–2	3.7L		
ATH	VII	22 01 41 05.5	38.92N	26.12E	12–1	3.5L		
THE	VII	22 01 41 06.3	39.0N–.80	26E–2.0	8–1	3.5,3.5		
CFUSG	VII	22 01 41 14.5	39.53N	26.49E	5	3.4,2.8s		

ISC Event type ke.
SOF Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/22 01:42:16, This location: 2021/07/22 03:22:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	**VII**	**22 00 48 02.0–.94**	**38.95N–.02**	**26.11E–.02**	**7–7**	**4.1b,4.0s**	**609**	**0-63**
SOF	VII	22 00 47 57.6	38.8N–.10	26.16E–.08	2–7	4.3,4.0s		¶620844249
ISK	VII	22 00 48 00.7	38.96N	26.03E	5–0	4.2L,4.0s		
AFAD	VII	22 00 48 01.5	38.95N	26.07E	22–1	4.0L,4.0s		
IDC	VII	22 00 48 01.9–.65	38.83N	26.17E	0	3.8s,3.7b		
MED_R	VII	22 00 48 01.0	38.94N	26.05E	10	4.6W,3.7b		
ATH	VII	22 00 48 02.0	38.92N	26.09E	14–1	3.9L,3.7b		
NEIC	VII	22 00 48 03.0–1.6	38.96N–.05	26.07E–.02	15–6	4.3b,3.7b		
THE	VII	22 00 48 02.2	38.9N–.80	26E–2.0	8–1	3.8,3.8		
GFZ	VII	22 00 48 03.4–.23	39N–2.0	26E–2.0	10	4.2b,4.2		
CFUSG	VII	22 00 48 08.2	39.29N	26.63E	9	3.4,3.1s		

ISC Event type ke.
SOF Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=8.8km s-min=8.3km az=12.0.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.04±.10 $M_{\theta\theta}$0.80±.07; $M_{\phi\phi}$0.00±.09; $M_{r\theta}$0.22±.39; $M_{\theta\phi}$0.12±.11; $M_{\phi r}$-0.54±.28; NP1: ϕ_s45.00000°,δ59.00000°,λ-169.00000°. NP2:ϕ_s309.00000°,δ81.00000°,λ-31.00000°. Principal axes: T 0.8600,Plg14.0000°,Azm1.0000°; N 0.2200,Plg58.0000°,Azm114.0000° ; P -1.0800,Plg28.0000°,Azm263.0000° $M_0$0.97000×10^{16}
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/22 00:49:21, This location: 2021/07/22 01:01:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=2.1km az=167.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISK	**VII**	**22 01 47 36.5**	**39.00N**	**26.09E**	**3–0**	**2.5L**		
								¶621195150

ISK Event type ke.

ISC	**VII**	**22 02 26 27.6–.98**	**38.95N–.02**	**26.05E–.03**	**10–10**		**60**	**0-3**
AFAD	VII	22 02 26 26.7	38.95N	26.03E	7–3	2.8L		¶621195195
THE	VII	22 02 26 27.5	39N–1.0	26E–2.0	0–3	2.5,2.5		
ISK	VII	22 02 26 27.8	39.00N	26.01E	16–0	2.7L,2.5		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

AFAD	**VII**	**22 00 49 23.1**	**39.08N**	**24.62E**	**4–2**	**2.9L**		
								¶626517514

AFAD Event type se. Presumed earthquake.

ISK	**VII**	**22 00 50 06.5**	**38.97N**	**26.07E**	**12–0**	**2.2L**		
								¶621195104

ISK Event type ke.

ISC	**VII**	**21 18 28 28.3–1.0**	**38.92N–.02**	**26.06E–.02**	**7–8**	**3.1b**	**192**	**0-41**
SOF	VII	21 18 28 24.2	38.8N–.20	26.2E–.10	5–7	3.8		¶621800142
ISK	VII	21 18 28 27.8	38.97N	26.06E	3–0	3.7L		
IDC	VII	21 18 28 27.9–.93	38.81N	26.05E	0	3.5L,3.3		
ATH	VII	21 18 28 28.4	38.92N	26.07E	13–1	3.5L,3.3		
THE	VII	21 18 28 28.5	38.9N–.70	26E–1.0	8–1	3.6,3.6		
AFAD	VII	21 18 28 29.4	38.84N	26.11E	7–3	3.5L,3.6		

ISC Event type ke.
SOF Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=13.0km s-min=10.3km az=142.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/21 18:29:47, This location: 2021/07/22 02:48:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**21 21 30 31.4–1.2**	**38.92N–.03**	**26.04E–.05**	**9–11**		**31**	**0-2**
ISK	VII	21 21 30 30.9	38.94N	26.03E	8–0	2.6L		¶621195024
AFAD	VII	21 21 30 32.2	38.87N	26.09E	7–1	2.0L		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**22 02 39 56.1–.99**	**38.95N–.02**	**26.06E–.03**	**9–9**		**68**	**0-3**
AFAD	VII	22 02 39 54.9	38.92N	25.99E	7–3	3.0L		¶621195209
ISK	VII	22 02 39 55.8	38.96N	26.05E	6–0	2.9L		
THE	VII	22 02 39 56.4	39N–1.0	26E–1.0	3–2	2.8,2.8		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VII**	**22 00 56 59.9**	**38.97N–.02**	**26.04E–.03**	**2–11**		**53**	**0-3**
AFAD	VII	22 00 56 59.9	38.98N	25.90E	7–4	2.3L		¶621195113
ISK	VII	22 00 57 00.7	38.97N	26.06E	5–0	2.5L		
THE	VII	22 00 57 01.8	39N–1.0	26E–1.0	3–1	2.5,2.5		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISK	**VII**	**22 03 25 49.8**	**38.97N**	**26.04E**	**14–0**	**1.8L**		
								¶626517544

ISK Event type ke.

ISC	**VII**	**22 01 05 25.9–1.6**	**38.99N–.04**	**26.02E–.05**	**6–14**		**24**	**0-2**
AFAD	VII	22 01 05 11.1	38.70N	24.74E	14–2	2.7L		¶621195116
ISK	VII	22 01 05 26.2	39.02N	26.09E	5–0	2.2L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VII**	**22 03 29 20.7–1.0**	**38.93N–.02**	**26.03E–.03**	**10–9**		**46**	**0-2**
AFAD	VII	22 03 29 20.3	38.78N	26.05E	7–3	2.4L		¶621195239
ISK	VII	22 03 29 20.2	38.93N	26.02E	13–0	2.6L		
THE	VII	22 03 29 21.1	39N–1.0	26E–1.0	3–2	2.4,2.4		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VII**	**22 09 16 40.8–1.0**	**38.92N–.02**	**26.04E–.04**	**15–8**		**45**	**0-2**
AFAD	VII	22 09 16 40.9	38.91N	26.02E	7–1	2.1L		¶621195375
ISK	VII	22 09 16 40.7	38.94N	26.06E	8–0	2.5L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISK	**VII**	**22 05 51 07.9**	**38.99N**	**26.03E**	**10–0**	**1.6L**		
								¶621195310

ISK Event type ke.

ISC	**VII**	**22 11 31 52.9–1.1**	**38.94N–.03**	**26.06E–.04**	**12–9**		**39**	**0-2**
AFAD	VII	22 11 31 52.5	38.94N	26.04E	7–3	2.2L		¶621195401
ISK	VII	22 11 31 52.5	38.95N	26.07E	6–0	2.5L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VII**	**22 01 20 22.5–.58**	**38.94N–.01**	**26.09E–.02**	**16–4**	**3.9b,3.5s**	**598**	**0-75**
NAO	VII	22 01 20 11.9	37.80N	26.58E	10	4.6b,3.5s		¶620844252
SOF	VII	22 01 20 19.2	38.8N–.10	26.12E–.08	8–7	4.4,3.5s		
IDC	VII	22 01 20 20.6–.67	38.90N	26.02E	0	3.7L,3.7b		
ATH	VII	22 01 20 21.8	38.91N	26.10E	13–1	4.0L,3.7b		
ISK	VII	22 01 20 21.5	38.95N	26.07E	7–0	4.4L,3.7b		
AFAD	VII	22 01 20 22.0	38.95N	26.07E	23–1	4.2L,3.7b		
NEIC	VII	22 01 20 22.8–1.4	38.95N–.05	26.11E–.05	10–2	4.1b,3.7b		
THE	VII	22 01 20 22.4	38.9N–.90	26E–1.0	7–2	3.9,3.9		
GFZ	VII	22 01 20 24.2–.19	39N–2.0	26E–2.0	10	4.4b,4.2		
CFUSG	VII	22 01 20 29.2	39.42N	26.58E	4	3.5,3.3s		

ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=10.9km s-min=8.1km az=45.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/22 01:21:32, This location: 2021/07/22 01:49:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.7km az=167.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VII**	**22 04 57 33.7–3.0**	**38.86N–.08**	**25.9E–.10**	**12**		**10**	**0-1**
AFAD	VII	22 04 57 34.0	38.88N	25.82E	7–4	1.7L		¶626517529

ISC Event type ke.
AFAD Event type se. Presumed earthquake.

ISK	**VII**	**22 04 58 27.3**	**38.96N**	**26.04E**	**10–0**	**1.8L**		
								¶621195285

ISK Event type ke.

ISC	**VII**	**22 13 09 25.2–1.0**	**38.93N–.02**	**26.07E–.03**	**9–9**		**46**	**0-2**
ISK	VII	22 13 09 24.2	38.96N	26.08E	5–0	2.6L		¶621195421
AFAD	VII	22 13 09 24.7	38.92N	26.03E	7–3	2.2L		
ATH	VII	22 13 09 25.0	38.93N	26.05E	7–1	2.4L		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/24 02:56:54, This location: 2021/07/24 04:03:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**VII**	**22 05 31 23.9–.94**	**38.94N–.02**	**26.07E–.02**	**11–8**		**82**	**0-2**
AFAD	VII	22 05 31 23.3	38.93N	26.05E	7–2	2.8L		¶621195298
ATH	VII	22 05 31 23.4	38.92N	26.06E	11–1	2.7L		
ISK	VII	22 05 31 23.8	38.97N	26.04E	10–0	2.9L		
THE	VII	22 05 31 24.2	38.9N–.80	26E–2.0	3–2	2.7,2.7		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/22 05:32:41, This location: 2021/07/22 10:27:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISK	**VII**	**22 15 24 08.8**	**38.94N**	**26.04E**	**8–0**	**1.7L**		
								¶626517519

ISK Event type ke.

ISC	**VII**	**22 15 34 34.2–1.1**	**38.95N–.02**	**26.10E–.03**	**8–9**		**55**	**0-2**
AFAD	VII	22 15 34 34.2	38.96N	26.13E	7–5	2.3L		¶621195450
ISK	VII	22 15 34 34.5	38.98N	26.06E	9–0	2.6L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISK	**VII**	**22 16 21 04.3**	**38.98N**	**26.10E**	**11–0**	**1.9L**		
								¶621195460

ISK Event type ke.

ISC	**VII**	**22 16 31 04.9–.99**	**38.97N–.03**	**26.10E–.03**	**14–9**		**47**	**0-2**
AFAD	VII	22 16 31 04.8	38.97N	26.11E	7–5	2.3L		¶621195464
ISK	VII	22 16 31 04.9	38.96N	26.08E	10–0	2.5L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VII**	**22 17 07 33.3–.95**	**38.95N–.02**	**26.11E–.03**	**13–8**		**68**	**0-2**
AFAD	VII	22 17 07 32.5	38.94N	26.06E	6–3	2.5L		¶621195470
ISK	VII	22 17 07 32.9	38.96N	26.09E	10–0	2.7L		
THE	VII	22 17 07 33.7	39N–1.0	26E–1.0	2–2	2.5,2.5		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VII**	**22 13 45 47.8–1.1**	**38.94N–.03**	**26.08E–.04**	**12–10**		**34**	**0-2**
AFAD	VII	22 13 45 47.6	38.95N	26.08E	7–3	2.1L		¶621195430
ISK	VII	22 13 45 47.5	38.94N	26.09E	8–0	2.6L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VII**	**22 21 00 10.8–.99**	**38.95N–.02**	**26.11E–.03**	**14–8**		**64**	**0-2**
ISK	VII	22 21 00 10.6	38.96N	26.10E	9–0	2.5L		¶621195505
AFAD	VII	22 21 00 10.6	38.95N	26.11E	7–2	2.4L		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**22 07 54 33.3–1.2**	**38.94N–.03**	**26.02E–.04**	**11–10**		**33**	**0-2**
AFAD	VII	22 07 54 32.9	38.93N	26.01E	7–4	2.2L		¶621195354
ISK	VII	22 07 54 33.3	38.95N	26.04E	9–0	2.5L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISK	**VII**	**23 00 29 14.9**	**38.89N**	**25.94E**	**10–0**	**1.6L**		

¶626517516
ISK Event type ke.
ISC VII 22 18 17 07.6–1.2 38.92N–.03 26.02E–.04 8–10 52 0-2
AFAD VII 22 18 17 07.8 38.92N 26.02E 7–5 2.4L **¶621195488**
ISK VII 22 18 17 08.2 38.94N 26.05E 7–0 2.7L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
THE VII 23 00 29 45.4 39N–2.0 26E–3.0 9–3 1.8,1.8
AFAD VII 23 00 29 46.9 38.99N 26.14E 7–3 1.8L,1.8 **¶621195550**
AFAD Event type se. Presumed earthquake.
ISC VII 23 14 36 56.4–.89 38.92N–.01 26.03E–.02 12–6 3.7b,3.3s 268 0-87
SOF VII 23 14 36 54.7 38.94N–.09 26.09E–.07 10–1 4.0,3.3s **¶620845347**
IDC VII 23 14 36 54.5–.70 38.92N 25.97E 0 3.8b,3.7
ATH VII 23 14 36 55.8 38.91N 26.03E 13–1 3.7L,3.7
ISK VII 23 14 36 56.1 38.97N 26.05E 10–0 3.9L,3.7
AFAD VII 23 14 36 56.1 38.94N 26.05E 7–2 3.9W,3.7
THE VII 23 14 36 56.2 38.9N–1.0 26E–1.0 8–2 3.5,3.5
GFZ VII 23 14 36 58.0–.25 39N–2.0 26E–3.0 10 4.2b,4.2
BEO VII 23 14 36 58.8–.70 39.10N 26.01E 0 3.7L,4.2
ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=10.8km s-min=9.4km az=108.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/23 14:38:07, This location: 2021/07/23 15:40:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BEO Event type ke.
ISC VII 22 19 07 53.3–.99 38.95N–.02 26.10E–.03 12–8 68 0-2
AFAD VII 22 19 07 53.4 38.94N 26.11E 6–3 2.4L **¶621195492**
ISK VII 22 19 07 53.0 38.94N 26.08E 7–0 2.6L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 22 22 59 06.4–.87 38.92N–.01 26.05E–.02 14–6 3.3b,2.9s 218 0-41
IDC VII 22 22 59 01.6–3.7 38.17N 25.92E 0 3.4b,3.3 **¶620845240**
ATH VII 22 22 59 05.8 38.90N 26.04E 12–1 3.4L,3.3
SOF VII 22 22 59 05.2 38.9N–.10 26.1E–.10 10–1 3.8,3.3
AFAD VII 22 22 59 06.1 38.92N 26.06E 13–3 3.7W,3.3
THE VII 22 22 59 06.7 38.9N–.90 26E–1.0 9–1 3.3,3.3
ISK VII 22 22 59 06.2 38.95N 26.04E 10–0 3.8L,3.3
CFUSG VII 22 22 59 13.3 39.28N 26.67E 5 3.3,2.5s
ISC Event type ke.
IDC Error ellipse: s-maj=145.8km s-min=16.5km az=172.0.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/22 23:00:20, This location: 2021/07/22 23:27:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
SOF Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 22 23 12 11.1–.91 38.93N–.01 26.03E–.02 12–7 166 0-8
AFAD VII 22 23 12 10.6 38.96N 26.03E 6–4 3.6W **¶621041871**
ATH VII 22 23 12 10.6 38.91N 26.04E 12–0 3.1L
THE VII 22 23 12 11.5 38.9N–1.0 26E–1.0 8–1 3.0,3.0
SOF VII 22 23 12 11.1 39.02N–.04 26.12E–.06 10–1 3.5,3.0
ISK VII 22 23 12 11.2 38.95N 26.03E 10–0 3.3L,3.0
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/22 23:13:27, This location: 2021/07/22 23:32:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
SOF Event type ke.
ISK Event type ke.
ISC VII 23 14 40 03.2–.96 38.94N–.02 26.01E–.03 11–9 57 0-3
ISK VII 23 14 40 02.9 38.96N 26.01E 9–0 3.1L **¶621195605**
AFAD VII 23 14 40 03.8 38.91N 26.06E 7–6 3.0L
THE VII 23 14 40 03.1 38.9N–.90 26E–2.0 9–2 2.8,2.8
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 24 00 20 56.4–.93 38.94N–.02 26.06E–.02 11–8 81 0-3
ISK VII 24 00 20 55.9 38.94N 26.07E 7–0 2.6L **¶621195641**
THE VII 24 00 20 56.4 38.9N–.80 26E–1.0 8–1 2.5,2.5
AFAD VII 24 00 20 56.2 38.95N 26.07E 7–4 2.2L,2.5
ATH VII 24 00 20 56.1 38.93N 26.08E 10–1 2.6L,2.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/24 00:22:18, This location: 2021/07/24 05:39:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VII 24 03 58 05.2–.94 38.94N–.02 26.04E–.02 11–8 116 0-5
SOF VII 24 03 58 02.9 39.00N–.02 25.93E–.01 2–1 3.6 **¶621041875**
ATH VII 24 03 58 04.9 38.93N 26.09E 10–1 3.1L
AFAD VII 24 03 58 04.7 38.92N 26.01E 7–2 3.1L
ISK VII 24 03 58 04.9 38.95N 26.08E 7–0 3.3L
THE VII 24 03 58 05.4 38.9N–.90 26E–2.0 8–3 3.0,3.0
ISC Event type ke.
SOF Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/24 03:59:19, This location: 2021/07/24 05:07:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 24 05 15 35.9–.94 38.93N–.02 26.02E–.03 12–8 55 0-2
ISK VII 24 05 15 35.2 38.95N 26.01E 5–0 2.9L **¶621195666**
ATH VII 24 05 15 35.7 38.91N 26.04E 8–1 2.8L
THE VII 24 05 15 36.4 38.9N–.80 26E–1.0 7–1 2.6,2.6
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/24 05:16:49, This location: 2021/07/24 05:58:46 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VII 26 13 46 50.2–1.1 38.26N–.02 24.17E–.03 9–8 78 0-2
ATH VII 26 13 46 50.0 38.26N 24.19E 9–1 2.4L **¶621800253**
THE VII 26 13 46 50.7 38.3N–.80 24E–1.0 6–2 2.5,2.5
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/07/26 13:47:48, This location: 2021/07/26 14:20:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VII 24 07 19 01.6–.92 38.94N–.01 26.02E–.02 10–7 148 0-8
ISK VII 24 07 19 00.8 38.95N 26.01E 8–0 3.3L **¶621195676**
AFAD VII 24 07 19 00.6 38.93N 25.97E 5–2 3.2L
THE VII 24 07 19 01.7 38.9N–.80 26E–1.0 8–1 3.0,3.0
ATH VII 24 07 19 01.3 38.94N 26.06E 14–0 3.1L,3.0
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/24 07:20:15, This location: 2021/07/24 07:32:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VII 25 02 11 15.1–.87 39.57N–.01 25.99E–.02 13–7 148 0-7
BEO VII 25 02 11 06.0–1.0 38.85N 26.20E 0 2.8L **¶621195698**
ISK VII 25 02 11 14.9 39.58N 25.95E 8–0 2.8L
ATH VII 25 02 11 14.8 39.57N 26.03E 16–1 2.5L
AFAD VII 25 02 11 15.1 39.57N 25.98E 14–1 2.7L
THE VII 25 02 11 15.6 39.6N–.70 26E–1.0 11–1 2.5,2.5
ISC Event type ke.
BEO Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/25 02:12:10, This location: 2021/07/25 06:20:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VII 26 15 00 31.3–.91 38.93N–.02 26.02E–.02 12–7 81 0-2
ISK VII 26 15 00 30.8 38.92N 25.91E 10–0 2.6L **¶621195766**
ATH VII 26 15 00 31.1 38.92N 26.02E 12–1 2.5L
THE VII 26 15 00 31.5 39N–1.0 26E–2.0 7–2 2.4,2.4
AFAD VII 26 15 00 31.4 38.94N 26.02E 7–2 2.5L,2.4
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/07/26 15:01:48, This location: 2021/07/26 15:14:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VII 26 03 41 37.8–.98 38.95N–.02 26.07E–.03 13–9 42 0-2
AFAD VII 26 03 41 37.3 38.96N 26.07E 7–2 2.3L **¶621195750**
ISK VII 26 03 41 37.9 39.00N 26.11E 7–0 2.7L
THE VII 26 03 41 37.6 39N–1.0 26E–3.0 0–3 2.5,2.5
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 27 10 02 54.4–.87 38.93N–.01 26.08E–.02 13–5 3.9b,3.8s 411 0-95
BEO VII 27 10 02 26.0–.70 37.49N 28.39E 10 4.4L,3.8s **¶620847373**
IDC VII 27 10 02 52.0–.69 38.77N 25.86E 0 3.7b,3.7
ATH VII 27 10 02 53.7 38.91N 26.07E 12–1 3.9L,3.7
ISK VII 27 10 02 53.9 38.94N 26.06E 9–0 4.3L,3.7
SOF VII 27 10 02 54.8 39.06N–.05 26.04E–.02 10–76 4.3,3.7
NEIC VII 27 10 02 54.8–.69 39.17N–.04 26.10E–.04 10–1 4.3b,3.7
AFAD VII 27 10 02 54.0 38.92N 26.11E 16–6 4.2W,3.7
THE VII 27 10 02 54.6 39N–1.0 26E–2.0 10–2 3.8,3.8
GFZ VII 27 10 02 56.3–.23 39N–2.0 26E–2.0 10 4.5b,4.1
MCSM VII 27 10 02 57.8–.80 39N–7.0 26E–5.0 10 4.7b,4.6
CFUSG VII 27 10 02 59.2 39.14N 26.46E 10 3.6,3.2s
NAO VII 27 10 03 02.6 40.45N 28.67E 10 4.2b,3.2s
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=10.0km az=170.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/27 10:04:04, This location: 2021/07/27 10:34:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
SOF Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.5km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 26 03 57 25.5–.94 38.92N–.02 26.07E–.03 13–8 51 0-2
AFAD VII 26 03 57 25.3 38.94N 26.05E 7–3 2.2L **¶621195751**
ATH VII 26 03 57 25.4 38.93N 26.04E 13–1 2.4L
ISK VII 26 03 57 25.3 38.94N 26.06E 8–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/07/26 03:58:44, This location: 2021/07/26 08:11:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC VII 27 10 05 47.7–1.1 38.95N–.02 26.09E–.04 10–10 32 0-2
THE VII 27 10 05 47.7 38.9N–.90 26E–2.0 4–2 2.7,2.7 **¶621195803**
ISK VII 27 10 05 47.1 38.96N 26.08E 7–0 2.7L,2.7
ISC Event type ke.
ISK Event type ke.
ISC VIII 11 05 39 48.8–.96 39.70N–.02 24.29E–.02 16–8 147 1-6
SOF VIII 11 05 39 47.8 39.71N–.04 24.32E–.02 18–2 3.5 **¶621369249**
ATH VIII 11 05 39 48.5 39.69N 24.30E 20–1 3.3L
ISK VIII 11 05 39 48.9 39.75N 24.23E 28–0 3.3L
THE VIII 11 05 39 49.0 39.7N–.80 24E–1.0 11–2 3.1,3.1
BEO VIII 11 05 39 50.5–.80 39.84N 24.13E 1–4 2.6L,3.1
ISC Event type ke.
SOF Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/11 05:40:53, This location: 2021/08/11 05:52:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
BEO Event type ke.
ISC VII 27 00 17 02.1–1.5 40.20N–.05 24.90E–.04 13–11 29 1-3
SOF VII 27 00 17 02.2 40.20N–.01 24.89E–.01 13–2 2.7 **¶621041876**
ISK VII 27 00 17 02.3 40.19N 24.94E 16–0 2.3L
ISC Event type ke.
SOF Event type ke.
ISK Event type ke.
ISC VII 27 00 18 34.4–.92 38.95N–.02 26.07E–.02 12–8 85 0-3
ISK VII 27 00 18 33.9 38.97N 26.09E 6–0 2.9L **¶621195777**
ATH VII 27 00 18 34.2 38.93N 26.09E 15–1 2.6L
THE VII 27 00 18 34.5 39N–1.0 26E–2.0 10–2 2.6,2.6
AFAD VII 27 00 18 34.5 38.95N 26.09E 7–2 2.9L,2.6
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/07/27 00:19:56, This location: 2021/07/27 00:24:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VII 27 14 34 01.8–.91 38.97N–.01 26.09E–.02 17–7 131 0-4
ATH VII 27 14 34 00.1 39.06N 26.56E 40–2 3.3L **¶621041878**
AFAD VII 27 14 34 01.7 38.93N 26.07E 7–2 3.3W
ISK VII 27 14 34 01.6 38.96N 26.09E 8–0 3.3L
THE VII 27 14 34 02.0 39N–1.0 26E–2.0 10–2 3.0,3.0
SOF VII 27 14 34 14.1 39.83N–.01 25.84E–.01 32–2 3.1,3.0
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/07/27 14:35:05, This location: 2021/07/27 15:09:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
SOF Event type ke.
ISC IX 03 20 58 25.4–1.2 38.90N–.03 25.97E–.04 11–9 31 0-2
ISK IX 03 20 58 25.2 38.93N 26.01E 8–0 2.5L **¶621817559**
AFAD IX 03 20 58 26.0 38.81N 25.97E 7–3 2.3L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 23 22 47 36.4–.93 38.93N–.02 26.03E–.02 12–7 267 0-9
SOF VIII 23 22 47 34.1 38.89N–.07 26.06E–.04 8–11 3.9 **¶621370119**
ISK VIII 23 22 47 35.7 38.93N 26.02E 11–0 3.8L
ATH VIII 23 22 47 35.9 38.93N 26.04E 16–1 3.4L
AFAD VIII 23 22 47 35.7 38.92N 25.96E 24–1 3.7W
THE VIII 23 22 47 36.5 38.9N–.90 26E–2.0 14–2 3.2,3.2
CFUSG VIII 23 22 47 39.4 39.24N 26.15E 5 3.3,2.5s
ISC Event type ke.
SOF Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/23 22:48:44, This location: 2021/08/23 23:11:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 23 22 51 09.4–.92 38.93N–.02 26.00E–.02 12–7 131 0-5
ATH VIII 23 22 51 08.9 38.91N 26.04E 18–1 2.7L **¶621370120**

SOF VIII 23 22 51 08.4 39.00N–.02 26.10E–.01 10–11 3.5
ISK VIII 23 22 51 09.6 38.97N 26.05E 9–0 2.8L
AFAD VIII 23 22 51 09.8 38.92N 26.04E 7–4 2.8L
THE VIII 23 22 51 09.9 39N–1.0 26E–2.0 14–2 2.6,2.6
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/23 22:52:42, This location: 2021/08/24 05:20:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
SOF Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 28 22 31 36.7–.99 38.90N–.02 26.07E–.02 9–8 196 0-5
SOF VIII 28 22 31 35.1 38.88N–.04 26.08E–.02 10–7 3.6 **¶621370351**
AFAD VIII 28 22 31 36.8 38.91N 26.07E 11–3 2.9L
ISK VIII 28 22 31 36.5 38.93N 26.08E 7–0 2.8L
THE VIII 28 22 31 37.0 39N–1.0 26E–2.0 9–2 2.4,2.4
ATH VIII 28 22 31 36.6 38.91N 26.08E 14–1 2.6L,2.4
ISC Event type ke.
SOF Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/08/28 22:32:51, This location: 2021/08/28 23:03:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD IX 04 12 13 18.5 38.87N 26.13E 7–3 1.3L
¶625006737
AFAD Event type se. Presumed earthquake.
ISC IX 10 21 32 44.7–.95 38.92N–.02 26.08E–.03 13–9 53 0-2
ISK IX 10 21 32 44.7 38.94N 26.13E 6–0 2.5L **¶621818024**
AFAD IX 10 21 32 44.4 38.92N 26.10E 7–3 2.0L
ATH IX 10 21 32 45.0 38.94N 26.10E 17–1 2.1L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/10 21:33:20, This location: 2021/09/11 04:23:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC IX 09 01 33 58.8–.97 38.92N–.02 26.09E–.03 10–9 66 0-2
ISK IX 09 01 33 58.3 38.93N 26.11E 9–0 2.6L **¶621800831**
AFAD IX 09 01 33 58.7 38.91N 26.10E 7–2 2.3L
THE IX 09 01 33 58.8 38.9N–.80 26E–1.0 3–1 2.4,2.4
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 04 19 15 56.5–.94 38.96N–.02 26.14E–.02 13–8 81 0-2
THE IX 04 19 15 57.0 39N–1.0 26E–1.0 5–2 2.4,2.4 **¶621800725**
ISK IX 04 19 15 56.2 38.97N 26.12E 9–0 2.5L,2.4
AFAD IX 04 19 15 56.2 38.95N 26.12E 7–4 2.5L,2.4
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 17 14 12 57.9–.88 38.96N–.01 26.18E–.02 14–7 194 0-8
ISK X 17 14 12 57.2 38.99N 26.21E 5–0 3.6L **¶621802201**
AFAD X 17 14 12 57.9 38.98N 26.19E 7–3 3.5L
ATH X 17 14 12 57.2 38.94N 26.20E 11–0 3.0L
THE X 17 14 12 58.2 39.0N–.90 26E–1.0 6–2 3.0,3.0
BEO X 17 14 13 00.8–.80 39.11N 26.34E 14–5 3.1L,3.0
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/17 14:14:09, This location: 2021/10/17 14:22:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
ISC IX 11 15 53 30.1–.95 38.95N–.02 26.03E–.03 13–8 46 0-2
ISK IX 11 15 53 29.8 38.96N 26.05E 11–0 2.7L **¶621800905**
THE IX 11 15 53 30.2 39N–1.0 26E–1.0 11–2 2.5,2.5
ISC Event type ke.
ISK Event type ke.
ISC IX 14 12 18 39.9–.94 38.94N–.01 26.00E–.02 11–8 97 0-3
AFAD IX 14 12 18 39.6 38.93N 25.98E 7–3 2.5L **¶621818342**
ATH IX 14 12 18 39.6 38.91N 26.01E 12–1 2.6L
ISK IX 14 12 18 39.3 38.95N 26.02E 2–0 2.7L
THE IX 14 12 18 40.1 39N–1.0 26E–2.0 6–3 2.4,2.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/09/14 12:20:23, This location: 2021/09/14 13:45:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC X 18 14 01 13.1–.91 38.96N–.02 26.17E–.03 13–7 70 0-2
ISK X 18 14 01 12.8 38.96N 26.16E 7–0 2.7L **¶621802227**
AFAD X 18 14 01 12.6 38.96N 26.16E 7–3 2.9L
THE X 18 14 01 13.3 39.0N–.80 26E–1.0 9–2 2.7,2.7
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 18 00 28 02.8–.86 38.97N–.01 26.18E–.02 14–7 238 0-8
ISK X 18 00 28 02.4 38.97N 26.17E 9–0 3.7L **¶621802214**
AFAD X 18 00 28 02.0 38.98N 26.15E 8–2 3.6W
ATH X 18 00 28 02.4 38.94N 26.17E 13–1 3.1L
THE X 18 00 28 02.8 39.0N–.70 26E–1.0 9–1 3.1,3.1
SOF X 18 00 28 04.2 39.16N–.05 26.15E–.03 10–8 3.8,3.1
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/18 00:29:17, This location: 2021/10/18 03:54:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
SOF Event type ke.
ISC X 28 11 27 24.3–.78 38.41N–.01 26.40E–.02 17–5 151 0-6
SOF X 28 11 27 23.3 38.5N–.10 26.40E–.06 5–1 4.0 **¶621802529**
ISK X 28 11 27 23.9 38.40N 26.41E 13–0 3.1L
AFAD X 28 11 27 24.4 38.41N 26.44E 7–2 3.3L
ATH X 28 11 27 24.5 38.40N 26.35E 26–1 3.3L
THE X 28 11 27 24.7 38N–1.0 26E–1.0 10–2 3.2,3.2
ISC Event type ke.
SOF Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/28 11:28:40, This location: 2021/10/28 11:33:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC XI 05 08 10 21.0–.92 38.94N–.02 26.00E–.02 12–7 96 0-2
ISK XI 05 08 10 19.7 38.95N 26.00E 5–0 2.7L **¶621821915**
ATH XI 05 08 10 20.7 38.94N 26.04E 14–1 2.5L
AFAD XI 05 08 10 20.6 38.94N 26.00E 7–2 2.6L
THE XI 05 08 10 21.1 38.9N–1.0 26E–2.0 8–2 2.5,2.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/11/05 08:11:37, This location: 2021/11/05 08:15:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC XI 01 08 22 28.1–1.0 39.05N–.02 25.93E–.04 12–8 53 0-2
ISK XI 01 08 22 27.7 39.05N 25.87E 14–0 2.5L **¶621821604**
AFAD XI 01 08 22 28.2 39.05N 25.98E 8–4 2.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 13 18 02 58.6–.77 40.33N–.02 24.10E–.01 14–4 250 0-6
SOF XI 13 18 02 57.7 40.31N–.01 24.14E–.01 16–2 3.5 **¶621822691**
ATH XI 13 18 02 58.6 40.34N 24.07E 14–0 2.9L
ISK XI 13 18 02 58.3 40.29N 24.13E 6–0 2.8L
BEO XI 13 18 02 59.1–.50 40.32N 24.20E 14–1 3.0L
THE XI 13 18 02 59.2 40.4N–.90 24.1E–1.0 8–1 2.7,2.7
AFAD XI 13 18 03 06.4 40.25N 24.67E 2–2 2.6L,2.7
ISC Event type ke.
SOF Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/11/13 18:04:02, This location: 2021/11/13 18:11:07 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
BEO Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 23 03 45 23.8–1.0 39.07N–.02 24.43E–.02 15–8 153 0-5
SOF XI 23 03 45 13.6 38.2N–.30 24.81E–.08 40–1 3.8 **¶621823317**
ISK XI 23 03 45 22.1 39.09N 24.33E 7–0 2.5L
ATH XI 23 03 45 23.8 39.07N 24.43E 17–2 2.9L
THE XI 23 03 45 24.0 39N–1.0 24E–1.0 13–2 2.8,2.8
ISC Event type ke.
SOF Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/11/23 03:46:25, This location: 2021/11/23 05:25:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XII 31 08 21 28.8–1.1 39.72N–.02 23.80E–.02 9–8 3.5b 186 1-73
IDC XII 31 08 21 27.6–1.1 39.58N 23.75E 0 3.8L,3.5b **¶621726053**
ISK XII 31 08 21 28.4 39.75N 23.66E 26–0 3.5L,3.5b
ATH XII 31 08 21 29.0 39.73N 23.79E 17–1 3.5L,3.5b
SOF XII 31 08 21 30.4 40.0N–.30 23.86E–.06 8–18 3.5,3.5b
BEO XII 31 08 21 32.3–.70 39.89N 23.67E 11–4 3.2L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=17.2km az=125.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/31 08:22:30, This location: 2021/12/31 08:43:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
SOF Event type ke.
BEO Event type ke.
THE XI 29 08 00 39.8 40N–1.0 24E–2.0 9–2 3.0,3.0
¶622050555
ISC XII 04 13 01 09.6–.78 38.50N–.02 25.92E–.02 15–5 4.1b 358 0-66
BEO XII 04 13 00 58.4–.70 37.93N 26.95E 0 3.9L **¶621612435**
SOF XII 04 13 01 07.4 38.4N–.10 26.07E–.05 18–2 4.2
ATH XII 04 13 01 09.7 38.48N 25.96E 16–1 4.0L
NEIC XII 04 13 01 09.5–1.4 38.53N–.04 26.00E–.06 10–1 4.3b
GFZ XII 04 13 01 09.7–.17 38N–2.0 26E–2.0 10 5.0b,4.3
ISK XII 04 13 01 09.5 38.51N 25.93E 15–0 4.0L,4.3
IDC XII 04 13 01 09.9–.93 38.33N 26.00E 0 4.1L,3.6b
THE XII 04 13 01 10.6 38N–1.0 26E–1.0 13–2 3.8,3.8
AFAD XII 04 13 01 11.0 38.50N 26.04E 10–3 3.8W,3.8
ISC Event type ke.
BEO Event type ke.
SOF Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/12/04 13:02:17, This location: 2021/12/04 13:07:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=7.0km az=304.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=4.5km s-min=3.4km az=56.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISK Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=11.5km az=140.0.
AFAD Event type se. Presumed earthquake.
ISC XII 16 15 44 45.4–.85 38.93N–.01 26.12E–.02 17–6 149 0-2
AFAD XII 16 15 44 44.9 38.93N 26.10E 25–1 3.4L **¶621824751**
ISK XII 16 15 44 45.1 38.93N 26.12E 8–0 3.6L
ATH XII 16 15 44 45.3 38.91N 26.13E 16–1 3.2L
THE XII 16 15 44 46.1 39N–1.0 26E–2.0 12–1 3.1,3.1
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/16 15:45:59, This location: 2021/12/16 15:50:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XI 26 22 46 16.9–1.0 39.07N–.02 24.27E–.01 8–8 3.6b,3.3s 315 0-75
SOF XI 26 22 46 12.6 38.93N–.08 24.32E–.02 2–2 4.0,3.3s **¶621622030**
AFAD XI 26 22 46 15.1 38.96N 24.36E 8–4 3.4L,3.3s
ATH XI 26 22 46 16.9 39.07N 24.28E 14–1 3.8L,3.3s
ISK XI 26 22 46 16.4 39.13N 24.26E 10–0 3.8L,3.3s
IDC XI 26 22 46 16.5–.97 39.07N 24.25E 0 3.6b,3.6
THE XI 26 22 46 17.8 39.1N–.90 24.2E–.90 14–1 3.9,3.9
BEO XI 26 22 46 19.6–.50 39.23N 24.34E 6–7 3.4L,3.9
ISC Event type ke.
SOF Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/11/26 22:47:17, This location: 2021/11/26 23:09:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
IDC Error ellipse: s-maj=14.6km s-min=12.8km az=134.0.
BEO Event type ke.
ISC XI 28 15 30 33.3–.97 39.07N–.02 24.26E–.02 12–8 89 0-2
THE XI 28 15 30 33.8 39N–1.0 24E–1.0 12–2 2.7,2.7 **¶622050543**
ATH XI 28 15 30 33.0 39.06N 24.30E 10–1 2.8L,2.7
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/11/28 15:31:36, This location: 2021/11/28 15:54:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

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ISC VII 02 08 53 51.1–.97 38.04N–.02 27.14E–.02 8–10 41 0-2
AFAD VII 02 08 53 50.6 38.01N 27.10E 7–2 2.8L **¶621193924**
ISK VII 02 08 53 50.8 38.03N 27.18E 5–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 03 01 25 22.6–.95 38.11N–.02 38.44E–.02 10–7 61 0-33
IDC VII 03 01 25 21.7–1.6 38.07N 38.42E 0 3.4b,3.1 **¶620927784**
AFAD VII 03 01 25 22.3 38.11N 38.44E 7–1 2.9L,3.1
ISK VII 03 01 25 23.2 38.16N 38.48E 9–0 2.8L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=15.8km az=83.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 04 07 17 25.7–.83 38.45N–.03 39.15E–.03 12–5 28 0-2
ISK VII 04 07 17 25.0 38.49N 39.26E 10–0 2.3L **¶621194009**
AFAD VII 04 07 17 25.2 38.38N 39.12E 7–3 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 06 06 27 34.7–1.0 39.90N–.02 43.39E–.02 6–9 38 0-2
NSSP VII 06 06 27 33.7 39.98N 43.35E 10 3.1s **¶621194134**
AFAD VII 06 06 27 34.5 39.85N 43.35E 16–1 3.5L
ISK VII 06 06 27 35.2 39.84N 43.44E 2–0 2.9L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
AFAD VII 06 09 29 09.2 40.94N 31.46E 8–2 1.3L
¶626517515

AFAD Event type se. Presumed earthquake.
ISK VII 06 09 30 04.8 40.26N 30.82E 19–0 1.7L ¶621194147
ISK Event type ke.
ISC VII 07 05 48 39.4–.90 40.29N–.03 37.96E–.02 8–7 28 0-2
AFAD VII 07 05 48 38.9 40.28N 37.97E 7–3 2.0L **¶621194184**
ISK VII 07 05 48 39.4 40.28N 37.94E 7–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 10 02 46 59.9–.86 37.83N–.02 27.02E–.02 11–7 51 0-2
AFAD VII 10 02 46 59.4 37.83N 26.98E 7–2 2.8L **¶621194305**
ISK VII 10 02 46 59.5 37.84N 27.02E 7–0 2.9L
THE VII 10 02 46 59.9 38N–6.0 27E–5.0 4–3 2.8,2.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 10 20 09 36.2–.94 39.47N–.02 44.00E–.02 11–8 83 0-4
AZER VII 10 20 09 35.8 39.49N 44.10E 10 2.8L **¶621194363**
AFAD VII 10 20 09 35.6 39.46N 44.03E 11–3 2.5L
ISK VII 10 20 09 37.0 39.46N 44.04E 6–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 10 21 53 26.9–.72 40.10N–.01 34.47E–.01 4–5 3.9b,3.2s 381 0-86
IDC VII 10 21 53 26.1–.66 40.08N 34.46E 0 4.0L,3.8b **¶620787393**
ISK VII 10 21 53 26.1 40.09N 34.47E 3–0 4.2L,3.8b
AFAD VII 10 21 53 26.0 40.10N 34.47E 12–1 4.2W,3.8b
MCSM VII 10 21 53 27.4–.40 40N–3.0 34E–4.0 10 4.5b,4.4
NEIC VII 10 21 53 27.9–1.6 40.12N–.05 34.44E–.05 10–1 4.0b,4.4
CFUSG VII 10 21 53 27.7 40.10N 34.50E 10 3.6s,3.5
GFZ VII 10 21 53 31.4–.26 40N–4.0 34E–3.0 10 4.1b,4.1
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 11 23 06 57.2–1.0 38.54N–.03 39.58E–.03 7–9 32 0-3
ISK VII 11 23 06 56.3 38.53N 39.60E 5–0 2.7L **¶621194444**
AFAD VII 11 23 06 57.2 38.51N 39.60E 7–2 2.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 12 21 27 35.8–.84 40.01N–.02 27.43E–.02 12–6 194 0-8
BEO VII 12 21 27 14.4–.70 38.67N 28.64E 0 3.6L **¶620805490**
SOF VII 12 21 27 33.3 39.99N–.03 27.46E–.03 2–1 3.9
AFAD VII 12 21 27 35.7 40.02N 27.42E 10–0 3.5W
ISK VII 12 21 27 35.5 40.03N 27.41E 8–0 3.7L
THE VII 12 21 27 36.9 40N–3.0 27E–6.0 9–12 3.2,3.2
CFUSG VII 12 21 27 38.2 39.93N 27.80E 17 3.2,2.8b
ISC Event type ke.
BEO Event type ke.
SOF Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 12 23 57 19.1–.85 37.84N–.02 27.01E–.02 13–6 45 0-2
AFAD VII 12 23 57 18.8 37.84N 27.00E 7–2 2.5L **¶621194496**
ISK VII 12 23 57 18.6 37.85N 27.02E 14–0 2.8L
THE VII 12 23 57 19.0 38N–7.0 27E–6.0 6–6 2.8,2.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 13 07 54 48.0–.76 37.10N–.02 28.31E–.02 17–4 3.4b 84 0-38
ATH VII 13 07 54 45.6 37.19N 28.52E 17–2 3.4L **¶620928525**
THE VII 13 07 54 47.9 37N–3.0 28E–7.0 13–10 3.2,3.2
AFAD VII 13 07 54 48.0 37.10N 28.27E 16–1 3.5W,3.2
ISK VII 13 07 54 48.1 37.09N 28.29E 7–0 3.4L,3.2
IDC VII 13 07 54 50.5–1.2 36.66N 28.62E 77–22 3.4,3.2b
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/13 08:03:15, This location: 2021/07/13 08:34:07 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=9.4km az=160.0.
ISC VII 13 08 04 15.3–1.0 37.13N–.03 28.18E–.05 16–6 25 0-1
ISK VII 13 08 04 14.4 37.14N 28.19E 18–2 2.5L **¶621194514**
AFAD VII 13 08 04 15.8 37.11N 28.24E 15–1 2.4L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 13 21 58 36.9–.99 36.97N–.03 30.48E–.04 10–7 24 0-2
AFAD VII 13 21 58 35.5 36.93N 30.17E 7–3 2.5L **¶621194541**
ISK VII 13 21 58 37.3 37.00N 30.48E 5–0 2.1L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 15 04 48 36.4–.82 39.63N–.01 28.53E–.01 11–5 153 0-3
ISK VII 15 04 48 36.7 39.64N 28.52E 5–0 3.5L **¶621194597**
AFAD VII 15 04 48 36.6 39.64N 28.52E 7–0 3.5W
THE VII 15 04 48 39.5 40N–5.0 29E–9.0 46–29 3.3,3.3
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 15 07 51 00.5–.90 36.88N–.03 34.33E–.03 15–8 42 0-2
AFAD VII 15 07 51 00.0 36.86N 34.36E 7–4 2.5L **¶621194604**
ISK VII 15 07 51 00.5 36.86N 34.31E 6–0 2.7L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 16 08 44 05.7–1.0 38.23N–.02 39.85E–.02 8–8 74 0-32
ISK VII 16 08 44 03.6 38.15N 39.89E 5–0 4.0L **¶620928705**
AFAD VII 16 08 44 05.0 38.24N 39.85E 14–7 4.0L
IDC VII 16 08 44 17.7–1.0 39.51N 39.14E 0 3.5b,3.4
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=17.8km s-min=10.7km az=147.0.
ISC VII 17 02 03 15.6–.98 37.28N–.02 36.19E–.01 9–8 105 0-3
AFAD VII 17 02 03 15.9 37.28N 36.19E 13–2 3.6W **¶621194698**
ISK VII 17 02 03 15.9 37.25N 36.16E 7–0 3.3L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 18 03 27 19.1–1.1 37.28N–.03 36.35E–.02 5–10 43 0-3
AFAD VII 18 03 27 18.8 37.28N 36.33E 7–3 2.7L **¶621194799**
ISK VII 18 03 27 19.7 37.31N 36.26E 6–0 2.6L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 19 07 32 51.4–1.0 38.94N–.02 35.63E–.01 2–7 4.1b 188 0-77
AFAD VII 19 07 32 50.8 38.92N 35.57E 8–1 3.8W **¶620833532**
ISK VII 19 07 32 50.8 38.96N 35.65E 2–0 3.7L
NEIC VII 19 07 32 52.9–.93 38.94N–.04 35.69E–.05 10–1 4.1b
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 07 39 42.2–.83 38.92N–.01 35.63E–.01 5–5 4.1b 213 0-68
IDC VII 19 07 39 41.2–1.4 38.77N 35.53E 0 3.4b,3.3L **¶620928860**
AFAD VII 19 07 39 41.8 38.92N 35.59E 10–1 3.9W,3.3L
ISK VII 19 07 39 41.9 38.91N 35.61E 5–0 3.8L,3.3L
NEIC VII 19 07 39 43.1–1.2 38.95N–.04 35.62E–.05 7–4 4.1b,3.3L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 13 13 01.9–.83 37.77N–.01 28.01E–.01 10–6 3.6b 237 0-78
IDC VII 19 13 13 00.8–.76 37.80N 28.02E 0 3.6,3.5b **¶620833948**
ISK VII 19 13 13 00.9 37.82N 27.97E 7–0 3.9L,3.5b
THE VII 19 13 13 01.6 38N–2.0 28E–3.0 0–4 3.5,3.5
AFAD VII 19 13 13 01.4 37.77N 27.99E 11–2 3.9W,3.5
NEIC VII 19 13 13 02.2–1.2 37.76N–.02 27.97E–.06 10–1 4.1b,3.5
GFZ VII 19 13 13 02.3–.22 38N–2.0 28E–2.0 10 4.2b,4.2
GII VII 19 13 13 03.8–.00 37.690N–.00 28.109E–.00 0 3.8,4.2
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VII 19 21 04 13.4–1.1 36.21N–.02 30.87E–.02 64–11 164 0-7
GII VII 19 21 04 13.6–.00 36.060N–.00 30.991E–.00 0 2.9 **¶620834154**
ISK VII 19 21 04 13.4 36.20N 30.89E 22–0 3.2L
AFAD VII 19 21 04 14.7 36.20N 30.93E 45–2 2.8L
NIC VII 19 21 04 15.5 36.22N 31.05E 32–67 2.6L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
CFUSG VII 21 15 44 32.7 40.24N 28.08E 34 3.8,3.8s ¶625737977
AFAD VII 22 01 47 26.2 39.07N 27.65E 10–7 2.1L ¶626332167
AFAD Event type se. Presumed earthquake.
AFAD VII 22 03 25 03.4 38.07N 27.21E 7–2 1.3L ¶621195238
AFAD Event type se. Presumed earthquake.
AFAD VII 22 05 51 53.5 38.05N 27.55E 7–2 1.0L ¶626517536
AFAD Event type se. Presumed earthquake.
AFAD VII 22 15 24 43.4 39.24N 28.09E 7–4 1.5L ¶621195449
AFAD Event type se. Presumed earthquake.
AFAD VII 23 10 24 11.6 37.79N 27.79E 7–1 1.1L ¶626517517
AFAD Event type se. Presumed earthquake.
ISK VII 22 04 57 37.2 39.02N 26.11E 18–0 1.9L
AFAD VII 22 04 57 24.8 38.39N 27.90E 7–3 1.7L **¶621195282**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 24 00 44 58.5–1.1 36.67N–.03 31.23E–.02 16–9 94 0-8
ISK VII 24 00 44 57.9 36.72N 31.19E 11–0 2.9L **¶620846085**
GII VII 24 00 44 59.1–.00 36.77N 31.22E 0 2.6
AFAD VII 24 00 45 00.7 36.86N 31.13E 7–4 2.3L
NIC VII 24 00 45 02.1 36.61N 31.54E 45–30 2.7L
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC VII 24 01 44 39.0–1.1 40.08N–.03 33.23E–.02 6–11 34 0-2
AFAD VII 24 01 44 39.2 40.13N 33.25E 7–2 2.5L **¶621195648**
ISK VII 24 01 44 40.6 40.15N 33.13E 17–0 2.0L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 23 18 01 16.8–.99 40.17N–.03 41.39E–.03 11–9 30 0-2
AFAD VII 23 18 01 16.4 40.16N 41.42E 7–3 2.9L **¶621195624**
ISK VII 23 18 01 17.4 40.18N 41.33E 16–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 25 17 57 30.1–.00 37.20N–.02 36.42E–.02 7–10 65 0-5
AFAD VII 25 17 57 29.9 37.23N 36.44E 7–3 3.4L **¶620845954**
ISK VII 25 17 57 29.4 37.20N 36.44E 2–0 3.5L
NEIC VII 25 17 57 29.8–1.0 37.06N–.06 36.41E–.02 10–2 3.3L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 25 20 55 05.8–.73 37.19N–.02 36.41E–.02 6–5 3.9b,3.4s 193 0-127
ISK VII 25 20 55 04.2 37.22N 36.42E 1–0 4.4L,3.4s **¶620845951**
IDC VII 25 20 55 05.1–.73 37.13N 36.27E 0 3.8,3.7L
CFUSG VII 25 20 55 05.9 37.20N 36.56E 10 3.3,2.7s
AFAD VII 25 20 55 05.2 37.21N 36.44E 7–4 4.2L,2.7s
GII VII 25 20 55 06.4–.00 37.21N 36.44E 0 4.1,2.7s
NEIC VII 25 20 55 06.0–2.4 37.11N–.04 36.44E–.04 10–1 4.6b,2.7s
NIC VII 25 20 55 17.3 37.12N 35.47E 10–31 3.8L,2.7s
NAO VII 25 20 55 50.9 41.89N 36.15E 33 3.4b,2.7s
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=14.8km s-min=9.9km az=98.0.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.1km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 26 09 34 27.5–1.2 37.49N–.04 37.95E–.02 4–10 32 0-3
ISK VII 26 09 34 27.7 37.60N 37.92E 5–0 2.5L **¶621195758**
AFAD VII 26 09 34 27.0 37.44N 37.97E 7–2 2.4L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 03 23 05 34.9–.95 39.99N–.03 43.89E–.03 14–8 27 0-2
AFAD VIII 03 23 05 35.7 39.93N 43.83E 7–3 2.4L **¶621368167**
ISK VIII 03 23 05 35.1 40.04N 43.79E 6–0 2.1L
TEH VIII 03 23 05 36.6 39.86N 44.02E 10 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
TEH Event type se. Presumed earthquake.
ISC VII 27 10 31 11.9–1.0 40.05N–.04 40.07E–.04 12–12 17 0-1
ISK VII 27 10 31 11.4 40.04N 40.06E 4–0 2.5L **¶621195812**
AFAD VII 27 10 31 12.0 40.05N 40.06E 7–3 1.8L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 28 12 27 13.5–.82 39.24N–.02 40.33E–.02 8–5 3.9b,3.3s 205 0-129
IDC VII 28 12 27 11.9–.57 39.16N 40.33E 0 3.9b,3.8L **¶620857602**
AFAD VII 28 12 27 12.0 39.25N 40.29E 12–12 4.3W,3.8L
ISK VII 28 12 27 12.7 39.22N 40.34E 4–0 4.3L,3.8L

CFUSG VII 28 12 27 13.3 39.11N 40.59E 5 3.4,3.0s
MCSM VII 28 12 27 13.8–1.5 39N–8.0 40E–6.0 12–8 4.4b,4.1b
NEIC VII 28 12 27 14.4–1.6 39.29N–.01 40.33E–.06 10–2 4.1b,4.1b
GFZ VII 28 12 27 14.2–.23 39N–3.0 40E–2.0 10 4.5,4.4b
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 29 16 16 59.9–.94 39.12N–.02 41.67E–.02 17–8 102 0-3
ISK VII 29 16 16 59.3 39.08N 41.71E 3–0 3.6L **¶621195930**
AFAD VII 29 16 16 59.6 39.09N 41.66E 22–0 3.6W
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 02 14 52 53.7–1.2 39.11N–.03 40.16E–.03 13–11 26 0-2
ISK VIII 02 14 52 48.5 39.52N 40.86E 29–0 2.8L **¶621367975**
AFAD VIII 02 14 52 54.3 39.10N 40.13E 7–3 2.6L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
AFAD VIII 02 03 38 22.8 38.43N 39.13E 20–2 1.3L
¶625006139
AFAD Event type se. Presumed earthquake.
AFAD VIII 04 08 37 36.7 38.02N 27.20E 7–2 1.2L
¶626714506
AFAD Event type se. Presumed earthquake.
ISC VIII 07 22 51 53.6–1.1 37.41N–.03 29.80E–.03 10–10 27 0-2
AFAD VIII 07 22 51 53.6 37.38N 29.79E 7–3 2.4L **¶621368949**
ISK VIII 07 22 51 53.1 37.41N 29.80E 9–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 04 12 38 16.3–.99 38.93N–.02 35.66E–.02 3–7 3.9b 108 0-69
ISK VIII 04 12 38 15.4 38.93N 35.66E 4–0 4.0L **¶620968069**
AFAD VIII 04 12 38 15.3 38.97N 35.65E 6–2 4.1W
IDC VIII 04 12 38 16.6–.79 38.89N 35.59E 0 3.8b,3.8
NEIC VIII 04 12 38 16.9–1.4 38.92N–.05 35.67E–.05 10–1 4.0b,3.8
CFUSG VIII 04 12 38 18.5 38.80N 35.00E 15 3.5b,3.3
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=14.8km s-min=10.9km az=9.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.1km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 07 29 04.7–1.3 38.66N–.03 43.07E–.03 11–11 23 0-1
ISK VIII 12 07 29 03.6 38.68N 43.08E 5–0 3.1L **¶621369298**
AFAD VIII 12 07 29 05.2 38.67N 43.06E 7–4 3.0L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 11 09 48 19.8–1.2 36.62N–.03 31.29E–.02 12–10 101 1-8
NIC VIII 11 09 48 21.7 36.63N 31.04E 35–39 3.1L **¶620983510**
AFAD VIII 11 09 48 21.0 35.70N 30.47E 7–3 3.2L
GII VIII 11 09 48 21.4–.00 36.282N–.00 31.091E–.00 0–0 3.7
ISK VIII 11 09 48 22.2 36.68N 31.17E 25–0 3.4L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
ISC VIII 09 07 27 23.7–.80 37.73N–.02 27.01E–.02 13–5 97 0-3
ISK VIII 09 07 27 23.5 37.75N 27.05E 10–0 3.1L **¶621369084**
AFAD VIII 09 07 27 23.5 37.72N 26.99E 7–2 3.2L
THE VIII 09 07 27 24.2 38N–2.0 27E–2.0 9–2 3.1,3.1
ATH VIII 09 07 27 24.5 37.68N 26.89E 8–1 2.9L,3.1
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/09 07:28:42, This location: 2021/08/09 08:19:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VIII 09 22 36 42.5–.83 37.91N–.01 27.22E–.01 14–6 199 0-41
IDC VIII 09 22 36 40.0–3.6 37.53N 27.14E 0 3.1b,3.1 **¶621007293**
ATH VIII 09 22 36 41.6 37.91N 27.29E 12–1 3.7L,3.1
ISK VIII 09 22 36 42.4 37.90N 27.29E 7–0 3.6L,3.1
AFAD VIII 09 22 36 42.3 37.90N 27.20E 11–2 3.8W,3.1
THE VIII 09 22 36 43.5 38N–2.0 27E–2.0 14–2 3.6,3.6
SOF VIII 09 22 36 46.5 38.3N–.20 27.1E–.10 10–3 3.7,3.6
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/09 22:38:07, This location: 2021/08/09 23:08:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
SOF Event type ke.
ISC VIII 13 05 18 01.4–.94 38.91N–.02 43.54E–.02 7–7 57 0-3
NSSP VIII 13 05 17 56.8 38.73N 43.48E 10 3.0s **¶621369344**
ISK VIII 13 05 17 59.9 38.90N 43.54E 5–0 3.1L
TEH VIII 13 05 18 01.4 38.91N 43.62E 10 2.9L
AFAD VIII 13 05 18 01.2 38.88N 43.56E 8–1 2.8L
ISC Event type ke.
ISK Event type ke.
TEH Event type se. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
ISC VIII 12 10 47 29.0–1.1 37.88N–.02 27.62E–.02 4–9 76 0-34
ISK VIII 12 10 47 27.6 37.90N 27.65E 2–0 3.3L **¶621009399**
AFAD VIII 12 10 47 28.4 37.88N 27.64E 7–3 3.1L
THE VIII 12 10 47 29.4 38N–2.0 28E–2.0 4–3 3.0,3.0
IDC VIII 12 10 47 32.7–2.3 37.60N 27.83E 35–30 3.4,3.3b
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=21.1km s-min=12.2km az=141.0.
ISC VIII 12 01 15 47.0–.93 40.83N–.03 39.83E–.04 9–9 26 0-2
ISK VIII 12 01 15 45.9 40.82N 39.81E 2–0 2.6L **¶621369283**
AFAD VIII 12 01 15 47.3 40.86N 39.86E 7–2 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 13 08 39 22.2–.90 40.77N–.03 31.08E–.02 11–7 35 0-2
AFAD VIII 13 08 39 21.8 40.77N 31.07E 7–2 2.7L **¶621369358**
ISK VIII 13 08 39 21.9 40.76N 31.07E 7–0 2.7L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
AFAD VIII 14 06 38 39.6 37.10N 36.40E 7–1 1.1L
¶625006448
AFAD Event type se. Presumed earthquake.
ISC VIII 13 11 55 34.9–.96 40.93N–.07 39.78E–.05 17–7 16 0-2
AFAD VIII 13 11 55 33.6 40.95N 39.70E 18–4 1.8L **¶621369366**
ISK VIII 13 11 55 34.2 41.08N 39.72E 16–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 19 04 24 03.4–.95 40.79N–.02 27.68E–.03 13–7 32 0-1
ISK VIII 19 04 24 02.7 40.79N 27.68E 18–0 2.8L **¶621369690**
AFAD VIII 19 04 24 03.7 40.77N 27.64E 7–3 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 15 02 39 33.8–1.0 40.87N–.02 28.31E–.02 11–11 63 0-2
AFAD VIII 15 02 39 33.8 40.87N 28.30E 7–3 2.6L **¶621369449**
ISK VIII 15 02 39 33.7 40.85N 28.32E 12–0 2.9L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
THE VIII 15 02 40 03.0 41N–4.0 27E–5.0 0–3 2.0,2.0
¶626714495
ISC VIII 18 07 00 04.8–1.0 38.69N–.02 38.07E–.02 8–9 32 0-2
AFAD VIII 18 07 00 04.3 38.69N 38.08E 7–4 2.7L **¶621369638**
ISK VIII 18 07 00 05.1 38.69N 38.07E 8–0 2.6L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
IDC VIII 25 13 19 17.3–904 39.60N 36.98E 0
¶621058941
IDC Error ellipse: s-maj=395.8km s-min=218.0km az=136.0.
ISC VIII 19 11 06 05.3–.81 39.67N–.02 27.65E–.02 16–5 88 0-4
ISK VIII 19 11 06 04.8 39.67N 27.64E 5–0 3.4L **¶621369698**
AFAD VIII 19 11 06 04.2 39.66N 27.66E 19–0 3.3L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 23 20 11 39.6–1.1 39.12N–.02 36.05E–.02 12–11 50 0-2
ISK VIII 23 20 11 38.4 39.12N 36.08E 5–0 3.4L **¶621370110**
AFAD VIII 23 20 11 40.0 39.14N 36.03E 7–2 3.5W
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 26 01 21 49.8–1.2 38.71N–.04 42.24E–.03 14–9 28 0-57
ISK VIII 26 01 21 49.5 38.59N 42.14E 10–0 2.9L **¶621370218**
AFAD VIII 26 01 21 50.6 38.73N 42.22E 7–2 2.6L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 26 17 56 54.3–.99 37.39N–.03 36.21E–.03 15–8 33 0-2
ISK VIII 26 17 56 54.6 37.38N 36.26E 24–0 2.2L **¶621370251**
AFAD VIII 26 17 56 54.1 37.38N 36.20E 7–4 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 26 00 06 17.2–.95 40.18N–.03 28.70E–.02 15–8 32 0-1
ISK VIII 26 00 06 16.8 40.19N 28.70E 13–1 2.5L **¶621370216**
AFAD VIII 26 00 06 17.1 40.18N 28.71E 7–1 1.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC VIII 27 14 20 45.5–999 37.75N 38.54E 0
¶621072155
IDC Error ellipse: s-maj=500.0km s-min=223.5km az=138.0.
ISC VIII 26 20 52 54.7–1.1 38.36N–.02 38.74E–.02 10–10 58 0-6
ISK VIII 26 20 52 53.8 38.38N 38.75E 5–0 3.4L **¶621370259**
AFAD VIII 26 20 52 55.0 38.32N 38.76E 11–2 3.7W
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK VIII 28 22 40 54.7 37.74N 31.87E 5–0 1.7L
¶621370352
ISK Event type ke.
ISC VIII 31 11 04 26.2–.46 39.00N–.01 30.20E–.01 6–2 5.1b,4.3s 1316 0-145
BJI VIII 31 11 04 19.0 38.62N 29.54E 5 5.2b,5.0b **¶621011481**
BGR VIII 31 11 04 22.9–2.0 39.88N 31.99E 10 5.2b,5.0b
ISK VIII 31 11 04 25.9 38.97N 30.20E 5–0 4.9L,5.0b
AFAD VIII 31 11 04 25.8 39.01N 30.16E 12–2 5.0W,5.0b
MOS VIII 31 11 04 25.8–.96 38.99N 30.16E 15 5.1b,4.0s
NEIC VIII 31 11 04 26.9 39.02N 30.19E 8 5.1b,4.0s
GII VIII 31 11 04 27.0–.00 38.813N–.00 30.289E–.00 0 4.8,4.0s
NEIC VIII 31 11 04 26.9–.99 39.04N–.04 30.19E–.05 10–1 5.1b,5.0
NEIC VIII 31 11 04 26.9 39.04N 30.19E 10 5.1b,5.0
MED_R VIII 31 11 04 26.0 39.01N 30.16E 14 5.2W,5.0
PDG VIII 31 11 04 26.6–.93 39.05N 30.17E 6–2 5.1L,5.0
GFZ VIII 31 11 04 27.6–.10 39N–1.0 30E–1.0 10 5.1b,4.8b
MCSM VIII 31 11 04 27.4–.30 39N–2.0 30E–2.0 10–2 5.2,5.1b
GFZ VIII 31 11 04 27.2 39.02N 30.27E 14 5.1W,5.1b
IDC VIII 31 11 04 27.1–1.8 38.98N 30.21E 12–11 4.6b,4.6
GCMT VIII 31 11 04 28.2–.10 39.00N–.01 30.08E–.01 14–0 5.1W,4.6
BEO VIII 31 11 04 28.9–.70 39.01N 30.19E 4–5 4.8L,4.6
NEIC VIII 31 11 04 31.4 38.94N 30.06E 16 5.1,4.6
CFUSG VIII 31 11 04 33.6 39.42N 30.27E 10 4.3,4.1s
NAO VIII 31 11 04 37.9 40.25N 30.18E 10 4.6b,4.1s
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=112.0km s-min=89.0km az=133.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=4.1km s-min=3.0km az=88.2.
NEIC Event type se.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.0km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.39 $M_{\theta\theta}$2.81 $M_{\phi\phi}$0.58 $M_{r\theta}$0.11 $M_{\theta\phi}$-2.06 $M_{\phi r}$-0.52 NP1:ϕ_s112.85000°,δ42.79000°,λ-101.60000°. NP2:ϕ_s308.48000°,δ48.29000°,λ-79.46000°. Principal axes: T 4.0560,Plg3.0000°,Azm31.0000°; N -0.5929,Plg8.0000°,Azm121.0000°; P -3.4631,Plg82.0000°,Azm282.0000° $M_0$3.79000×10^{16}
NEIC Event type se.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-6.52±.31 $M_{\theta\theta}$4.95±.18; $M_{\phi\phi}$0.00±.16; $M_{r\theta}$0.30±.23; $M_{\theta\phi}$-2.81±.09; $M_{\phi r}$1.06±.23; NP1: ϕ_s291.00000°,δ45.00000°,λ-103.00000°. NP2:ϕ_s129.00000°,δ47.00000°,λ-77.00000°. Principal axes: T 6.5500,Plg1.0000°,Azm210.0000°; N 0.1600,Plg9.0000°,Azm300.0000°; P -6.7000,Plg81.0000°,Azm113.0000° $M_0$6.62000×10^{16}
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.3km az=0.0.
GFZ Error ellipse: s-maj=3.4km s-min=2.4km az=29.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.58 $M_{\theta\theta}$3.78 $M_{\phi\phi}$1.80 $M_{r\theta}$-0.06 $M_{\theta\phi}$-2.22 $M_{\phi r}$0.40 NP1: ϕ_s125.84218°,δ46.49739°,λ-86.06604°. NP2:ϕ_s300.13736°,δ43.64467°,λ-94.13471°. Principal axes: T 5.2259,Plg1.4281°,Azm213.0607°; N 0.3806,Plg2.8524°,Azm303.1318°; P -5.6065,Plg86.8095°,Azm96.4932° $M_0$5.42625×10^{16}
IDC Error ellipse: s-maj=6.9km s-min=6.3km az=171.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108311104A. Moment Tensor Solution. s99,c144; s133,c246;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.07±.13 $M_{\theta\theta}$4.22±.10; $M_{\phi\phi}$1.85±.09; $M_{r\theta}$-0.49±.19; $M_{\theta\phi}$-2.73±.06; $M_{\phi r}$-0.20±.21; Best double couple: NP1: ϕ_s307.00000°,δ44.00000°,λ-84.00000°. NP2:ϕ_s119.00000°,δ47.00000°,λ-96.00000°. Principal axes: T 6.0180,Plg1.0000°,Azm213.0000°; N 0.0900,Plg4.0000°,Azm123.0000°; P -6.1080,Plg86.0000°,Azm322.0000° $M_0$6.06300×10^{16}
BEO Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ8 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.97 $M_{\theta\theta}$4.06 $M_{\phi\phi}$1.91 $M_{r\theta}$-2.30 $M_{\theta\phi}$-2.41 $M_{\phi r}$1.16 NP1:ϕ_s305.15000°,δ33.11000°,λ-86.16000°. NP2:ϕ_s120.57000°,δ56.98000°,λ-92.50000°. Principal axes: T 6.1718,Plg12.0000°,Azm212.0000°; N 0.3530,Plg2.0000°,Azm122.0000°; P -6.5248,Plg78.0000°,Azm22.0000° $M_0$6.36000×10^{16}
NAO Event type se. Presumed earthquake.
AFAD VIII 31 11 07 51.7 39.02N 30.17E 7–2 2.5L
ISK VIII 31 11 07 52.0 39.04N 30.24E 2–0 2.2L **¶621370438**
AFAD Event type se. Presumed earthquake.

ISK Event type ke.
AFAD VIII 31 11 20 22.9 39.02N 30.15E 7–2 1.6L
ISK VIII 31 11 20 23.4 39.01N 30.18E 6–0 1.8L ¶621370442
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISK VIII 31 11 21 17.5 39.04N 30.19E 7–0 1.9L
AFAD VIII 31 11 21 16.8 39.01N 30.16E 7–4 1.7L ¶621370445
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
AFAD VIII 31 11 24 32.8 39.03N 30.17E 7–5 1.4L
ISK VIII 31 11 24 34.2 39.10N 30.16E 6–0 1.5L ¶621370446
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 31 11 48 34.3–.89 39.01N–.02 30.21E–.02 11–7 29 0-2
AFAD VIII 31 11 48 33.6 39.00N 30.19E 7–4 2.5L ¶621370454
ISK VIII 31 11 48 34.3 39.01N 30.23E 6–0 2.3L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
AFAD IX 01 19 26 39.1 38.44N 31.79E 7–6 0.8L
¶625006688
AFAD Event type se. Presumed earthquake.
ISC IX 01 09 59 47.8–.83 39.45N–.02 27.85E–.02 14–6 88 0-5
ISK IX 01 09 59 47.9 39.45N 27.85E 10–0 3.0L ¶621800590
AFAD IX 01 09 59 47.6 39.43N 27.83E 14–0 3.2L
THE IX 01 09 59 49.5 39N–5.0 28E–10 61–26 2.8,2.8
SOF IX 01 09 59 51.6 39.5N–.10 27.65E–.06 34–17 3.7,2.8
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
SOF Event type ke.
ISC IX 03 09 18 19.0–.87 37.84N–.02 29.33E–.02 13–6 129 0-40
GII IX 03 09 18 17.2–.00 37.821N–.00 29.304E–.00 0 3.6 ¶621081560
ISK IX 03 09 18 18.4 37.85N 29.33E 6–0 3.7L
IDC IX 03 09 18 18.4–3.4 37.62N 29.62E 0 3.7b,3.5
AFAD IX 03 09 18 18.6 37.84N 29.31E 13–1 3.8W,3.5
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
IDC Error ellipse: s-maj=56.9km s-min=28.5km az=177.0.
AFAD Event type se. Presumed earthquake.
AFAD IX 03 09 36 27.1 37.83N 29.33E 7–4 2.2L
¶625006725
AFAD Event type se. Presumed earthquake.
ISC IX 05 11 13 51.8–.87 39.54N–.02 26.89E–.01 11–7 154 0-8
ISK IX 05 11 13 51.1 39.54N 26.90E 10–0 3.7L ¶621800740
AFAD IX 05 11 13 51.6 39.53N 26.89E 10–1 3.5W
ATH IX 05 11 13 51.5 39.55N 26.91E 12–2 3.4L
SOF IX 05 11 13 51.5 39.63N–.09 26.75E–.07 5–19 3.8
THE IX 05 11 13 52.5 40N–2.0 27E–3.0 11–2 3.4,3.4
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/09/05 11:15:15, This location: 2021/09/05 11:41:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
SOF Event type ke.
ISC IX 04 05 45 17.9–1.2 39.34N–.02 43.80E–.02 0–11 42 1-3
AZER IX 04 05 45 17.2 39.20N 44.03E 8 2.6L ¶621817580
ISK IX 04 05 45 18.1 39.41N 43.85E 17–0 2.8L
AFAD IX 04 05 45 18.0 39.34N 43.83E 7–4 2.2L
TEH IX 04 05 45 26.2 39.28N 44.59E 10 2.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 05 07 58 28.9–1.1 39.77N–.03 43.59E–.02 4–11 40 0-2
ISK IX 05 07 58 28.1 39.82N 43.58E 5–0 2.6L ¶621817649
AFAD IX 05 07 58 28.9 39.75N 43.57E 2–3 2.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 07 11 15 00.7–.43 36.10N–.03 31.02E–.02 56–4 4.5b 812 1-146
NIC IX 07 11 14 51.4 36.14N 30.44E 8–14 4.7L ¶621039602
AFAD IX 07 11 14 55.8 35.95N 31.25E 26–2 4.5W
ISK IX 07 11 14 57.9 36.10N 31.08E 5–0 4.5L
BJI IX 07 11 14 58.0 36.10N 31.00E 60 4.9b
MOS IX 07 11 14 59.6–1.1 36.06N 31.06E 44 4.8b
IDC IX 07 11 15 00.3–1.1 36.14N 31.00E 55–11 4.4,4.1b
NEIC IX 07 11 15 00.1–1.1 36.12N–.04 31.03E–.05 49–5 4.6b,4.1b
GII IX 07 11 15 01.1–.00 35.86N 31.01E 0 4.5,4.1b
MCSM IX 07 11 15 01.0–.30 36N–2.0 31E–3.0 57–3 4.8b,4.7
THE IX 07 11 15 01.6 36N–5.0 31E–7.0 20 5.1b,4.8
GFZ IX 07 11 15 03.0–.19 36N–2.0 31E–2.0 63–3 4.4b,4.3
CFUSG IX 07 11 15 07.2 36.10N 31.10E 33 3.4,3.3s
NAO IX 07 11 15 20.6 38.45N 28.86E 10 4.2b,3.3s
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
MOS Error ellipse: s-maj=4.6km s-min=2.8km az=100.1.
IDC Error ellipse: s-maj=10.0km s-min=8.1km az=177.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.5km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.
ISC IX 05 08 22 14.6–.92 37.89N–.02 27.17E–.02 10–8 61 0-2
ISK IX 05 08 22 13.9 37.91N 27.20E 6–0 2.4L ¶621800738
THE IX 05 08 22 14.8 38N–4.0 27E–3.0 0–2 2.6,2.6
AFAD IX 05 08 22 14.3 37.89N 27.12E 7–3 2.5L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 06 14 50 41.0–.91 38.23N–.02 38.62E–.02 12–7 46 0-25
ISK IX 06 14 50 40.7 38.27N 38.58E 7–0 3.3L ¶621094261
AFAD IX 06 14 50 41.2 38.19N 38.59E 7–2 3.3L
IDC IX 06 14 50 45.3–1.6 37.94N 38.24E 0 3.8b,3.2
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=19.4km s-min=14.1km az=97.0.
ISC IX 09 01 42 40.0–.99 36.29N–.02 35.81E–.02 10–7 3.8b 235 0-78
IDC IX 09 01 42 38.8–.55 36.29N 35.66E 0 4.5s,4.3L ¶621073216
NIC IX 09 01 42 38.9 36.69N 35.55E 6–2 3.6L,4.3L
ISK IX 09 01 42 39.0 36.24N 35.83E 12–0 3.9L,4.3L
GII IX 09 01 42 41.0–.00 36.283N–.00 35.687E–.00 0 3.9,4.3L
AFAD IX 09 01 42 40.2 36.30N 35.87E 19–3 3.9W,4.3L
NEIC IX 09 01 42 40.3–1.9 36.28N–.04 35.79E–.06 10–1 4.0b,4.3L
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 07 19 38 22.3–.81 39.31N–.02 26.16E–.02 14–5 96 0-3
THE IX 07 19 38 22.7 39.3N–.90 26.2E–.70 10–2 2.7,2.7 ¶621800791
ISK IX 07 19 38 22.3 39.32N 26.13E 8–0 2.8L,2.7
AFAD IX 07 19 38 22.3 39.32N 26.17E 11–2 2.6L,2.7
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 07 14 15 58.6–.77 40.10N–.01 27.36E–.01 13–6 162 0-6
ISK IX 07 14 15 58.4 40.14N 27.35E 8–0 3.2L ¶621800785
AFAD IX 07 14 15 58.3 40.13N 27.35E 13–1 3.2L
THE IX 07 14 15 59.7 40N–3.0 27E–6.0 8–13 3.0,3.0
BEO IX 07 14 16 00.2–1.1 40.08N 27.34E 15 2.8L,3.0
SOF IX 07 14 16 02.8 40.01N–.02 27.13E–.01 13–4 4.0,3.0
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
BEO Event type ke.
SOF Event type ke.
ISC IX 07 09 42 41.0–.81 37.81N–.02 29.67E–.02 11–5 4.0b,2.8s 184 0-61
IDC IX 07 09 42 39.5–.76 37.82N 29.67E 0 3.9b,3.9 ¶621041443
ISK IX 07 09 42 39.7 37.80N 29.65E 5–0 3.9L,3.9
CFUSG IX 07 09 42 40.6 38.00N 29.70E 0 3.3b,2.5s
AFAD IX 07 09 42 40.6 37.79N 29.64E 15–1 3.9L,2.5s
THE IX 07 09 42 40.9 38N–7.0 30E–15 11–29 3.5,3.5
NEIC IX 07 09 42 41.1–1.1 37.81N–.04 29.69E–.02 10–2 4.2b,3.5
GII IX 07 09 42 42.1–.00 37.744N–.00 29.608E–.00 0 4.4,3.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC IX 09 22 17 55.6–1.3 40.21N–.03 42.73E–.04 4–12 21 0-2
ISK IX 09 22 17 54.9 40.21N 42.75E 5–0 2.5L ¶621817947
AFAD IX 09 22 17 55.4 40.19N 42.72E 7–3 2.3L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
AFAD IX 11 08 35 32.2 39.87N 28.87E 7–5 1.2L
¶621818053
AFAD Event type se. Presumed earthquake.
ISK IX 12 10 02 19.3 39.07N 39.87E 5–0 2.0L
¶621818176
ISK Event type ke.
AFAD IX 12 10 02 19.0 39.68N 40.49E 7–3 2.4L
¶635706647
AFAD Event type se. Presumed earthquake.
ISC IX 13 05 10 05.5–.95 38.33N–.03 38.65E–.03 13–7 27 0-2
AFAD IX 13 05 10 05.6 38.29N 38.63E 7–1 2.4L ¶621818260
ISK IX 13 05 10 05.7 38.38N 38.65E 10–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC IX 12 15 39 12.9–.92 38.57N–.03 30.77E–.03 14–7 26 0-1
ISK IX 12 15 39 12.4 38.58N 30.76E 9–0 2.5L ¶621818212
AFAD IX 12 15 39 12.9 38.56N 30.76E 7–1 2.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 14 22 02 20.7–1.2 38.87N–.02 43.51E–.03 4–12 57 0-3
TEH IX 14 22 02 19.8 38.96N 43.49E 18 2.7L ¶621818408
ISK IX 14 22 02 20.7 38.87N 43.49E 5–0 2.6L
AFAD IX 14 22 02 21.0 38.87N 43.54E 4–3 2.8L
ISC Event type ke.
TEH Event type se. Presumed earthquake.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 13 20 44 20.3–.88 37.93N–.02 27.10E–.02 10–7 84 0-2
AFAD IX 13 20 44 19.9 37.92N 27.06E 7–2 2.5L ¶621800950
ISK IX 13 20 44 20.3 37.92N 27.10E 9–0 2.4L
THE IX 13 20 44 20.1 38N–1.0 27E–1.0 1–2 2.7,2.7
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
AFAD IX 14 20 23 19.0 40.31N 29.64E 7–3 1.1L
ISK IX 14 20 23 19.4 40.29N 29.68E 7–0 1.8L ¶621818394
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC IX 21 16 09 44.5–.69 40.63N–.02 36.90E–.02 8–4 4.1b 378 0-75
AFAD IX 21 16 09 43.8 40.59N 36.90E 15–0 4.3W ¶621094404
IDC IX 21 16 09 43.5–.60 40.65N 36.87E 0 4.4L,4.0
ISK IX 21 16 09 43.8 40.58N 36.89E 5–0 4.4L,4.0
TIF IX 21 16 09 43.6 40.59N 36.89E 15–0 4.4L,4.0
MOS IX 21 16 09 43.7–1.3 40.82N 36.78E 8 4.3b,4.0
GFZ IX 21 16 09 45.4–.19 41N–2.0 37E–2.0 10 5.0b,4.6L
NEIC IX 21 16 09 45.1–1.6 40.58N–.05 36.95E–.05 10–1 4.3b,4.6L
MED_R IX 21 16 09 45.0 40.59N 36.90E 14 4.4W,4.6L
MCSM IX 21 16 09 46.1–.50 41N–3.0 37E–3.0 10–3 5.5b,4.9
CFUSG IX 21 16 09 47.2 40.64N 36.60E 14 3.9,3.8s
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=11.2km s-min=8.6km az=160.0.
ISK Event type ke.
MOS Error ellipse: s-maj=4.6km s-min=3.9km az=100.7.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.7km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-0.85±1.18 $M_{\theta\theta}$-0.93±1.19; $M_{\phi\phi}$0.00±.92; $M_{r\theta}$2.35±1.45; $M_{\theta\phi}$-3.14±.58; $M_{\phi r}$0.94±1.16; NP1:ϕ_s186.00000°,δ61.00000°,λ-20.00000°. NP2:ϕ_s286.00000°,δ73.00000°,λ-150.00000°. Principal axes: T 3.9100,Plg7.0000°,Azm54.0000°; N 0.7300,Plg56.0000°,Azm313.0000° ; P -4.6300,Plg33.0000°,Azm149.0000° $M_0$4.27000×10^{15}
ISC IX 17 23 45 30.3–.57 37.87N–.02 29.31E–.02 12–3 4.0b,2.9s 328 0-80
IDC IX 17 23 45 27.9–.64 37.80N 29.32E 0 3.9b,3.8 ¶621082835
ISK IX 17 23 45 28.9 37.88N 29.32E 7–0 4.0L,3.8
GII IX 17 23 45 28.3–.00 37.820N–.00 29.290E–.00 0 4.2,3.8
AFAD IX 17 23 45 29.4 37.86N 29.29E 7–3 3.8W,3.8
NEIC IX 17 23 45 30.8–1.5 37.93N–.03 29.35E–.05 10–1 4.1b,3.8
CFUSG IX 17 23 45 32.8 38.01N 29.37E 33 3.3,3.1s
GFZ IX 17 23 45 32.4–.19 38N–2.0 29E–2.0 10 5.1b,4.4
MCSM IX 17 23 45 33.2–.40 38N–3.0 29E–3.0 17–3 6.3b,6.0
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 16 03 05 03.0–.89 37.89N–.02 29.34E–.02 12–6 3.6b 159 0-74
IDC IX 16 03 05 01.4–.68 37.90N 29.36E 0 3.6b,3.6 ¶621080886
ISK IX 16 03 05 02.1 37.88N 29.30E 7–0 3.9L,3.6
AFAD IX 16 03 05 02.6 37.88N 29.31E 7–3 3.9W,3.6
NEIC IX 16 03 05 03.6–1.2 37.89N–.03 29.41E–.04 10–2 4.1b,3.6
CFUSG IX 16 03 05 04.2 38.02N 29.63E 18 3.4,2.7s
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=9.2km az=47.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.0km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 12 10 36.9–.95 37.88N–.01 29.31E–.01 9–8 136 0-4
AFAD IX 17 12 10 35.0 37.86N 29.31E 18–9 3.7W **¶621801024**
ISK IX 17 12 10 35.8 37.88N 29.31E 10–0 3.7L
THE IX 17 12 10 37.9 38N–5.0 29E–10 9–22 3.4,3.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC IX 20 14 32 32.2–1.0 40.67N–.03 36.51E–.02 6–9 40 0-3
ISK IX 20 14 32 31.9 40.68N 36.54E 5–0 2.7L **¶621818804**
AFAD IX 20 14 32 31.6 40.68N 36.50E 7–1 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 17 09 22 21.1–.80 40.59N–.02 28.52E–.02 14–5 95 0-5
ISK IX 17 09 22 20.8 40.58N 28.52E 8–0 3.5L **¶621801023**
AFAD IX 17 09 22 20.8 40.59N 28.52E 12–0 3.2L
THE IX 17 09 22 20.4 41N–15 28E–18 2–36 2.9
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK IX 22 12 14 37.1 37.93N 35.65E 11–0 1.6L
¶621818898
ISK Event type ke.
ISK IX 26 17 23 56.7 39.34N 27.85E 10–0 2.0L
¶626752546
ISK Event type ke.
ISC IX 24 03 20 09.7–.99 41.08N–.02 33.86E–.02 4–8 49 0-4
ISK IX 24 03 20 09.4 41.13N 33.92E 2–0 2.6L **¶621818954**
AFAD IX 24 03 20 09.4 41.10N 33.84E 5–2 2.5L
CFUSG IX 24 03 20 11.1 41.17N 33.90E 1 2.9,2.2s
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 24 19 12 00.5–.86 39.13N–.03 29.02E–.03 10–5 45 0-2
ISK IX 24 19 12 00.2 39.11N 29.00E 8–0 2.2L **¶621819006**
AFAD IX 24 19 12 00.6 39.15N 29.05E 6–1 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK IX 28 16 40 00.5 37.34N 36.50E 6–0 1.7L
AFAD IX 28 16 40 00.6 37.30N 36.46E 7–2 1.6L **¶621819333**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 28 01 20 54.4–1.1 38.69N–.03 43.18E–.03 19–2 27 0-2
ISK IX 28 01 20 53.5 38.70N 43.17E 4–0 2.5L **¶621819278**
AFAD IX 28 01 20 55.0 38.66N 43.19E 7–2 2.4L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 28 23 44 08.4–1.1 38.98N–.03 42.01E–.02 7–11 35 0-2
ISK IX 28 23 44 06.9 38.97N 42.01E 2–0 2.8L **¶621819350**
AFAD IX 28 23 44 07.9 38.96N 42.01E 7–2 2.8L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 01 13 53 21.5–.83 37.67N–.02 29.39E–.02 12–6 92 0-40
ISK X 01 13 53 20.7 37.71N 29.38E 7–0 3.6L **¶621819580**
AFAD X 01 13 53 21.0 37.66N 29.36E 7–2 3.6L
IDC X 01 13 53 23.3–1.6 37.61N 29.77E 0 3.6,3.4L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=23.8km s-min=12.6km az=70.0.
ISC IX 28 19 08 08.6–.93 38.96N–.02 42.03E–.03 9–9 50 0-4
ISK IX 28 19 08 07.6 38.97N 42.02E 5–0 3.4L **¶621819335**
AFAD IX 28 19 08 08.1 38.97N 42.01E 7–2 3.6W
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 30 13 20 42.6–1.0 40.42N–.02 35.00E–.02 6–8 60 0-40
CFUSG IX 30 13 20 42.2 40.36N 34.98E 9 3.1,2.9s **¶621147765**
AFAD IX 30 13 20 42.0 40.42N 35.01E 14–0 3.7W,2.9s
ISK IX 30 13 20 42.2 40.43N 35.04E 5–0 3.6L,2.9s
IDC IX 30 13 20 42.5–1.3 40.38N 34.93E 0 3.6L,3.5b
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=12.9km az=72.0.
ISC X 01 07 00 56.8–.89 38.54N–.03 39.23E–.03 14–6 28 0-1
ISK X 01 07 00 55.8 38.57N 39.32E 9–0 2.2L **¶621819572**
AFAD X 01 07 00 57.9 38.52N 39.10E 15–1 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 01 14 15 51.1–.87 39.23N–.02 29.18E–.02 10–7 78 0-3
AFAD X 01 14 15 50.6 39.21N 29.16E 7–2 2.7L **¶621819582**
ISK X 01 14 15 50.5 39.24N 29.18E 5–0 3.0L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC X 02 10 50 18.2–1.2 36.34N–.03 29.11E–.02 19–1 66 0-3
ISK X 02 10 50 17.2 36.35N 29.10E 20–0 3.0L **¶621819633**
AFAD X 02 10 50 17.7 36.38N 29.16E 25–0 3.5W
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 02 04 24 13.5–1.1 38.82N–.03 40.33E–.02 8–10 32 0-2
ISK X 02 04 24 12.4 38.80N 40.34E 5–0 2.5L **¶621819626**
AFAD X 02 04 24 13.6 38.83N 40.31E 7–2 2.1L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 03 07 15 09.3–.93 37.45N–.02 30.38E–.01 6–6 4.3b,4.0s 472 0-127
ISK X 03 07 15 07.8 37.46N 30.35E 5–0 4.2L,4.0s **¶621117084**
IDC X 03 07 15 08.8–.50 37.37N 30.45E 0 4.2b,4.1
MOS X 03 07 15 08.6–1.1 37.50N 30.38E 10 4.4b,4.1
AFAD X 03 07 15 08.5 37.43N 30.37E 12–2 4.2W,4.1
CFUSG X 03 07 15 09.3 37.50N 30.70E 5 3.4,3.3b
NEIC X 03 07 15 10.4–1.4 37.53N–.02 30.37E–.04 10–1 4.3b,3.3b
GFZ X 03 07 15 11.9–.19 37N–2.0 30E–2.0 10 5.0b,4.4L
MCSM X 03 07 15 11.6–1.5 38N–3.0 30E–3.0 12–11 5.2b,4.6
GII X 03 07 15 13.8–.00 37.168N–.00 30.322E–.00 0 3.8,4.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC X 03 13 30 23.8–1.1 37.46N–.02 30.36E–.02 3–9 83 0-39
ISK X 03 13 30 22.9 37.45N 30.35E 5–0 3.1L **¶621186132**
AFAD X 03 13 30 23.4 37.45N 30.38E 7–3 3.1L
IDC X 03 13 30 24.6–1.1 37.44N 30.33E 0 3.6,3.5b
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

IDC Error ellipse: s-maj=16.7km s-min=13.1km az=144.0.
ISK X 07 11 00 23.8 38.01N 35.14E 3–0 1.7L
AFAD X 07 11 00 24.4 37.98N 35.17E 7–2 1.7L **¶621819990**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 04 22 16 02.3–.00 37.39N–.03 36.11E–.02 12–9 40 0-3
ISK X 04 22 16 01.4 37.39N 36.12E 8–0 3.1L **¶621819825**
AFAD X 04 22 16 02.5 37.37N 36.11E 7–4 3.3L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 10 10 09 38.2–.85 37.85N–.02 27.05E–.02 12–6 53 0-2
ISK X 10 10 09 38.1 37.87N 27.07E 5–0 3.0L **¶621802003**
AFAD X 10 10 09 38.0 37.85N 27.05E 7–2 2.7L
THE X 10 10 09 38.0 38N–5.0 27E–4.0 8–4 2.9,2.9
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 10 10 27 23.1–1.1 37.44N–.03 30.41E–.03 4–11 23 0-1
ISK X 10 10 27 22.7 37.41N 30.41E 9–0 2.6L **¶621820250**
AFAD X 10 10 27 23.1 37.45N 30.41E 7–5 2.1L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC X 11 10 14 58.6–999 39.57N 39.70E 0
¶621236873
IDC Error ellipse: s-maj=596.9km s-min=255.5km az=24.0.
ISC X 10 15 44 30.5–1.0 38.63N–.02 43.16E–.02 4–7 4.5b 103 0-78
NSSP X 10 15 44 27.9 38.57N 43.38E 10 3.2s **¶621235393**
ISK X 10 15 44 29.1 38.64N 43.16E 5–0 3.5L
AFAD X 10 15 44 30.2 38.63N 43.16E 7–3 3.5L
NEIC X 10 15 44 31.6–2.1 38.61N–.03 43.15E–.04 10–1 4.4b
IDC X 10 15 44 31.0–2.2 38.56N 43.47E 0 3.9b,3.8
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=249.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.9km s-min=20.1km az=88.0.
AFAD X 10 16 01 46.7 38.65N 43.19E 7–4 1.7L
ISK X 10 16 01 46.2 38.63N 43.16E 5–0 1.7L **¶621820270**
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC X 10 16 08 55.1–.94 38.64N–.03 43.13E–.03 11–10 29 0-2
ISK X 10 16 08 53.7 38.63N 43.14E 5–0 2.8L **¶621820271**
AFAD X 10 16 08 55.3 38.64N 43.15E 7–6 2.6L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 10 13 19 48.0–.79 37.84N–.02 27.04E–.02 14–5 106 0-4
ISK X 10 13 19 47.7 37.85N 27.05E 12–0 3.3L **¶621802006**
AFAD X 10 13 19 47.9 37.84N 27.04E 7–2 2.9L
ATH X 10 13 19 47.9 37.84N 27.03E 15–1 3.1L
THE X 10 13 19 48.1 38N–1.0 27E–2.0 11–2 3.0,3.0
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/10 13:21:06, This location: 2021/10/10 20:45:40 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC X 10 12 01 35.6–.93 38.65N–.03 43.14E–.03 15–9 29 0-2
ISK X 10 12 01 34.6 38.65N 43.15E 3–0 3.0L **¶621820256**
AFAD X 10 12 01 35.4 38.64N 43.12E 7–4 3.0L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 11 11 09 27.2–.89 39.08N–.02 31.07E–.02 14–7 33 0-1
AFAD X 11 11 09 26.9 39.08N 31.06E 11–2 1.9L **¶621820348**
ISK X 11 11 09 26.6 39.09N 31.07E 9–1 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC X 13 10 04 56.0–.94 38.33N–.02 38.82E–.02 10–8 38 0-3
ISK X 13 10 04 55.1 38.43N 38.84E 5–0 2.5L **¶621820466**
AFAD X 13 10 04 56.0 38.29N 38.83E 9–10 2.3L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC X 12 10 37 26.6–999 40.69N 39.79E 0
¶621236944
IDC Error ellipse: s-maj=540.0km s-min=231.8km az=25.0.
IDC X 13 10 26 39.8–999 39.76N 38.66E 0
¶621238964
IDC Error ellipse: s-maj=616.1km s-min=246.8km az=26.0.
ISC X 16 21 57 03.3–.95 40.79N–.02 27.74E–.02 16–8 71 0-3
ISK X 16 21 57 02.8 40.80N 27.78E 20–0 2.9L **¶621802187**
AFAD X 16 21 57 02.6 40.80N 27.70E 7–2 2.4L
ATH X 16 21 57 04.6–.67 40.76N 27.59E 10 2.5L
THE X 16 21 57 06.4 41N–4.0 28E–7.0 29–20 2.4,2.4
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/10/16 21:59:19, This location: 2021/10/16 23:26:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 4 km.
ISC X 16 22 00 01.3–1.2 39.35N–.03 37.92E–.02 9–11 43 0-3
ISK X 16 22 00 00.5 39.36N 37.93E 5–0 3.5L **¶621820654**
AFAD X 16 22 00 01.1 39.36N 37.90E 7–3 3.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 16 22 40 23.9–.98 40.95N–.02 42.70E–.02 6–8 96 0-22
ISK X 16 22 40 22.9 40.97N 42.67E 5–0 3.3L **¶621242150**
TIF X 16 22 40 23.0 40.94N 42.67E 7–1 3.3L
NSSP X 16 22 40 23.6 40.98N 42.75E 10 3.0s
IDC X 16 22 40 23.2–1.4 40.94N 42.68E 0 3.6L,3.1
AFAD X 16 22 40 24.0 40.94N 42.64E 7–2 3.2L,3.1
CFUSG X 16 22 40 27.8 40.96N 42.56E 24 3.4s,3.1
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=18.1km s-min=11.8km az=42.0.
AFAD Event type se. Presumed earthquake.
ISC X 19 07 31 01.3–1.1 38.72N–.03 43.09E–.02 11–10 23 0-1
ISK X 19 07 31 00.8 38.72N 43.09E 6–0 2.5L **¶621820793**
AFAD X 19 07 31 01.8 38.74N 43.11E 7–4 2.3L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC X 18 10 57 06.5–999 41.58N 39.58E 0
¶621244027
IDC Error ellipse: s-maj=502.7km s-min=226.4km az=24.0.
IDC X 19 10 13 23.9–999 41.26N 40.05E 0
¶621244074
IDC Error ellipse: s-maj=514.4km s-min=229.2km az=23.0.
ISC X 20 14 59 06.3–.77 38.68N–.02 43.16E–.02 9–5 4.2b 166 0-80
IDC X 20 14 59 04.4–1.4 38.54N 43.19E 0 3.9b,3.7 **¶621246602**
ISK X 20 14 59 05.2 38.66N 43.18E 5–0 3.7L,3.7
NEIC X 20 14 59 06.7–1.6 38.67N–.03 43.09E–.03 10–1 4.2b,3.7
AFAD X 20 14 59 06.1 38.68N 43.14E 7–6 3.8W,3.7
TEH X 20 14 59 06.1 38.67N 43.17E 11 3.6L,3.7

MCSM X 20 14 59 07.1–1.0 39N–8.0 43E–5.0 8–4 4.4b,4.2b
ISC Event type ke.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC X 19 17 47 29.6–.97 40.43N–.02 26.22E–.02 18–3 83 0-2
ISK X 19 17 47 28.9 40.43N 26.22E 18–0 2.4L **¶626168673**
AFAD X 19 17 47 29.8 40.42N 26.25E 7–2 2.2L
ATH X 19 17 47 30.2 40.45N 26.17E 21–2 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/20 00:09:55, This location: 2021/11/03 05:54:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC X 20 15 05 46.6–.83 38.65N–.01 43.18E–.02 11–5 4.3b,3.4s 315 0-99
TEH X 20 15 05 44.8 38.68N 43.18E 10 4.0L,3.4s **¶621224692**
IDC X 20 15 05 45.4–.72 38.60N 43.26E 0 4.1b,4.0L
MCSM X 20 15 05 45.6–.60 39N–4.0 43E–3.0 9–4 4.6b,4.3
ISK X 20 15 05 45.1 38.68N 43.21E 5–0 4.1L,4.3
NSSP X 20 15 05 46.0 38.62N 43.22E 10 4.1s,4.3
AFAD X 20 15 05 46.1 38.67N 43.16E 7–4 4.1W,4.3
GFZ X 20 15 05 46.3–.27 39N–3.0 44E–3.0 10 5.0b,4.4L
NEIC X 20 15 05 47.7–2.3 38.61N–.04 43.35E–.05 10–1 4.4b,4.4L
ISC Event type ke.
TEH Event type se. Presumed earthquake.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 27 21 38 28.1–.73 38.60N–.02 31.64E–.02 12–5 3.7b 377 0-77
IDC X 27 21 38 25.9–.66 38.55N 31.59E 0 3.8b,3.7 **¶621242493**
ISK X 27 21 38 26.4 38.60N 31.64E 5–0 3.9L,3.7
GII X 27 21 38 26.5–.00 38.509N–.00 31.519E–.00 0–0 4.2,3.7
AFAD X 27 21 38 27.6 38.61N 31.65E 10–1 4.0W,3.7
NEIC X 27 21 38 28.1–1.2 38.58N–.04 31.64E–.04 10–1 4.0b,3.7
MCSM X 27 21 38 30.1–.60 39N–4.0 32E–3.0 11–4 4.9b,4.2
CFUSG X 27 21 38 31.4 38.62N 31.78E 35 3.2,3.0s
BEO X 27 21 38 33.9–.70 39.05N 31.57E 0 3.7L,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=11.6km s-min=10.6km az=65.0.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.7km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
ISC X 23 11 14 21.2–1.1 36.07N–.03 31.38E–.02 19–3 87 1-4
ISK X 23 11 14 20.8 35.97N 31.35E 7–0 3.1L **¶621238456**
AFAD X 23 11 14 22.5 36.08N 31.40E 38–1 2.9L
NIC X 23 11 14 23.1 36.32N 31.84E 31–4 3.0L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 20 22 09 19.8–.79 39.41N–.01 26.31E–.02 14–5 170 0-7
ISK X 20 22 09 19.3 39.43N 26.31E 10–0 3.7L **¶621802306**
ATH X 20 22 09 19.9 39.38N 26.28E 18–1 3.1L
AFAD X 20 22 09 19.9 39.43N 26.32E 7–1 3.5W
THE X 20 22 09 20.4 39N–1.0 26E–2.0 13–2 3.0,3.0
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/20 22:09:50, This location: 2021/10/20 22:49:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC X 30 12 28 29.0–.94 37.84N–.02 27.03E–.02 9–8 39 0-2
THE X 30 12 28 28.5 38N–2.0 27E–2.0 3–2 2.5 **¶621802575**
AFAD X 30 12 28 28.8 37.83N 27.02E 7–1 2.3L
ISK X 30 12 28 30.8 37.81N 27.19E 5–0 2.0L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC X 28 16 12 53.5–.84 37.94N–.02 27.14E–.02 13–6 75 0-2
AFAD X 28 16 12 52.9 37.93N 27.10E 7–4 2.8L **¶621802537**
THE X 28 16 12 53.4 38N–13 27E–11 3–6 2.7,2.7
ISK X 28 16 12 53.4 37.93N 27.13E 5–0 3.0L,2.7
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC X 28 16 30 11.8–.83 37.94N–.02 27.14E–.02 13–6 81 0-2
THE X 28 16 30 11.8 38N–9.0 27E–8.0 3–5 2.7,2.7 **¶621802539**
ISK X 28 16 30 11.6 37.94N 27.11E 5–0 3.0L,2.7
AFAD X 28 16 30 11.2 37.93N 27.10E 7–3 2.8L,2.7
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
AFAD X 28 03 09 16.6 38.60N 31.64E 7–1 1.6L
ISK X 28 03 09 16.0 38.58N 31.68E 18–0 1.7L **¶621821334**
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC X 31 06 13 13.4–.88 41.08N–.02 34.12E–.02 10–6 52 0-2
AFAD X 31 06 13 13.2 41.08N 34.11E 7–2 2.0L **¶621821551**
ISK X 31 06 13 13.1 41.09N 34.14E 6–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XI 01 19 26 28.8–.85 36.66N–.02 33.90E–.02 75–4 3.5b 238 0-53
IDC XI 01 19 26 24.1–1.1 36.75N 34.41E 0 3.8L,3.6b **¶621252422**
GII XI 01 19 26 26.2–.00 36.614N–.00 33.920E–.00 0 3.7,3.6b
ISK XI 01 19 26 27.5 36.67N 33.89E 73–1 3.6L,3.6b
AFAD XI 01 19 26 28.2 36.70N 33.85E 56–1 3.6W,3.6b
NIC XI 01 19 26 28.1 36.60N 33.74E 44–80 3.6L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=9.9km az=82.0.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
AFAD XI 06 13 22 40.7 39.94N 34.56E 8–6 1.0L
¶625008739
AFAD Event type se. Presumed earthquake.
ISC XI 05 10 19 13.8–.86 39.45N–.01 28.23E–.01 14–7 161 0-7
ISK XI 05 10 19 13.3 39.45N 28.22E 9–0 3.7L **¶621821927**
AFAD XI 05 10 19 13.4 39.45N 28.23E 15–1 3.5L
THE XI 05 10 19 14.2 39N–4.0 28E–10 13–33 3.2,3.2
CFUSG XI 05 10 19 15.0 39.70N 28.20E 15 3.2,3.1s
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 05 10 44 47.2–.87 39.46N–.01 28.23E–.01 14–7 153 0-7
ISK XI 05 10 44 46.4 39.46N 28.22E 6–0 3.6L **¶621821928**
AFAD XI 05 10 44 46.3 39.45N 28.23E 7–2 3.4L
THE XI 05 10 44 49.0 39N–6.0 28E–12 2–36 3.1,3.1
CFUSG XI 05 10 44 48.1 39.50N 28.20E 5 3.3,2.9b
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 08 17 43 22.0–.44 37.87N–.01 32.12E–.01 11–2 5.1b,4.4s 1341 0-152
IDC XI 08 17 43 19.4–.36 37.83N 32.12E 0 4.7b,4.7 **¶621384586**
GII XI 08 17 43 20.0–.00 38.03N 32.15E 0 4.6,4.7
BJI XI 08 17 43 20.0 37.90N 32.10E 5 5.1b,5.0b
ISK XI 08 17 43 20.2 37.86N 32.12E 2–0 5.1L,5.0b
MOS XI 08 17 43 20.7–1.3 37.93N 32.15E 12 5.1b,4.4s
MCSM XI 08 17 43 20.9–.30 38N–2.0 32E–3.0 10–2 5.5,5.2b
PDG XI 08 17 43 21.3–.58 37.89N 32.12E 8–0 5.1L,5.2b
AFAD XI 08 17 43 21.1 37.86N 32.12E 7–2 5.1W,5.2b
NEIC XI 08 17 43 21.9 37.85N 32.18E 10 5.1W,5.2b
NEIC XI 08 17 43 21.9 37.85N 32.18E 10 5.1W,5.2b
NEIC XI 08 17 43 21.9–1.2 37.84N–.05 32.17E–.05 10–1 5.2b,5.0
MED_R XI 08 17 43 21.0 37.87N 32.12E 14 5.1W,5.0
GFZ XI 08 17 43 23.5 37.81N 32.14E 12 5.1W,5.0
CFUSG XI 08 17 43 23.1 38.12N 32.14E 10 4.3,4.3s
GFZ XI 08 17 43 23.4–.10 38N–1.0 32E–1.0 10 5.4b,5.3
GCMT XI 08 17 43 24.2–.10 37.83N–.01 32.08E–.01 16–0 5.1W,5.3
BEO XI 08 17 43 24.9–.50 38.21N 32.33E 0 5.0L,5.3
NEIC XI 08 17 43 25.4 37.85N 32.18E 16 5.1,5.3
NAO XI 08 17 43 46.6 40.31N 30.75E 10 4.9b,5.3
THE XI 08 17 44 04.0 37N–13 29E–16 21–13 3.2,3.2
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
PDG Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.96 $M_{\theta\theta}$0.07 $M_{\phi\phi}$2.90 $M_{r\theta}$-1.05 $M_{\theta\phi}$1.97 $M_{\phi r}$-2.28 NP1:ϕ_s209.80000°,δ27.00000°,λ-85.97000°. NP2:ϕ_s25.27000°,δ63.07000°,λ-92.05000°. Principal axes: T 4.7203,Plg18.0000°,Azm117.0000°; N -0.9385,Plg2.0000°,Azm26.0000°; P -3.7818,Plg72.0000°,Azm291.0000° $M_0$4.33000×10^{16}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-4.16±.27 $M_{\theta\theta}$-0.27±.17; $M_{\phi\phi}$0.00±.18; $M_{r\theta}$1.56±.44; $M_{\theta\phi}$3.71±.11; $M_{\phi r}$-1.03±.34; NP1:ϕ_s237.00000°,δ52.00000°,λ-48.00000°. NP2:ϕ_s1.00000°,δ54.00000°,λ-131.00000°. Principal axes: T 6.4700,Plg1.0000°,Azm119.0000°; N -1.1600,Plg32.0000°,Azm28.0000°; P -5.3200,Plg58.0000°,Azm210.0000° $M_0$5.90000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.93 $M_{\theta\theta}$0.39 $M_{\phi\phi}$4.54 $M_{r\theta}$0.74 $M_{\theta\phi}$2.52 $M_{\phi r}$0.99 NP1:ϕ_s208.42634°,δ51.46410°,λ-85.84833°. NP2:ϕ_s21.78066°,δ38.72429°,λ-95.19383°. Principal axes: T 5.8657,Plg6.3804°,Azm295.4736°; N -0.7841,Plg3.2464°,Azm25.8371°; P -5.0816,Plg82.8350°,Azm142.6587° $M_0$5.51557×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111081743A. Moment Tensor Solution. s89,c116;s126,c233;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.34±.15 $M_{\theta\theta}$0.27±.11;$M_{\phi\phi}$5.08±.11; $M_{r\theta}$0.61±.33; $M_{\theta\phi}$3.28±.08; $M_{\phi r}$-1.41±.30; Best double couple: NP1:ϕ_s222.00000°,δ42.00000°,λ-67.00000°. NP2:ϕ_s13.00000°,δ51.00000°,λ-109.00000°. Principal axes: T 6.8220,Plg5.0000°,Azm116.0000°; N -1.0750,Plg15.0000°,Azm25.0000°; P -5.7400,Plg74.0000°,Azm223.0000° $M_0$6.28100×10^{16}
BEO Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 1ŝ9 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.65 $M_{\theta\theta}$0.54 $M_{\phi\phi}$5.11 $M_{r\theta}$0.67 $M_{\theta\phi}$2.93 $M_{\phi r}$-2.37 NP1:ϕ_s222.46000°,δ38.99000°,λ-64.00000°. NP2:ϕ_s10.35000°,δ55.56000°,λ-109.53000°. Principal axes: T 6.8250,Plg9.0000°,Azm114.0000°; N -0.4194,Plg16.0000°,Azm22.0000°; P -6.4057,Plg72.0000°,Azm231.0000° $M_0$6.63000×10^{16}
NAO Event type se. Presumed earthquake.
ISC XI 07 01 14 38.8–.98 38.32N–.03 38.80E–.03 10–9 19 0-2
ISK XI 07 01 14 37.6 38.40N 38.79E 5–0 2.1L **¶621822093**
AFAD XI 07 01 14 38.5 38.27N 38.79E 7–1 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 08 17 47 20.1–.90 37.85N–.03 32.12E–.03 15–8 25 0-1
ISK XI 08 17 47 19.9 37.85N 32.12E 14–0 2.1L **¶621822240**
AFAD XI 08 17 47 20.1 37.84N 32.11E 7–2 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 09 19 17 19.1–.98 38.27N–.03 38.77E–.02 10–9 38 0-5
ISK XI 09 19 17 17.9 38.27N 38.77E 5–0 2.9L **¶621822373**
AFAD XI 09 19 17 18.9 38.26N 38.77E 7–1 2.9L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 08 23 38 07.9–.90 37.88N–.02 32.10E–.02 9–6 4.1b 281 0-78
IDC XI 08 23 38 06.0–.65 37.82N 32.08E 0 3.9b,3.8 **¶621423124**
ISK XI 08 23 38 06.9 37.88N 32.09E 7–0 3.9L,3.8
AFAD XI 08 23 38 07.3 37.89N 32.11E 11–1 3.9W,3.8
GII XI 08 23 38 07.2–.00 37.901N–.00 32.121E–.00 0–0 3.8,3.8
CFUSG XI 08 23 38 08.2 38.04N 32.50E 4 3.3,3.1s
NEIC XI 08 23 38 09.6–1.2 37.90N–.05 32.11E–.06 21–5 4.3b,3.1s
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 06 06 34.4–1.1 37.40N–.02 35.09E–.02 6–9 120 0-25
IDC XI 09 06 06 33.8–1.2 37.34N 35.12E 0 3.8b,3.6 **¶621394890**
AFAD XI 09 06 06 34.0 37.36N 35.05E 26–2 3.3L,3.6
ISK XI 09 06 06 35.1 37.37N 35.08E 11–0 3.4L,3.6
NIC XI 09 06 06 40.2 37.28N 34.84E 20–31 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=9.2km az=75.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISK XI 10 16 04 03.8 37.13N 28.50E 8–0 2.4L
AFAD XI 10 16 04 03.6 37.11N 28.49E 7–3 2.1L **¶621822443**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 10 05 53 24.3–.79 39.79N–.01 26.07E–.02 14–5 122 0-2
AFAD XI 10 05 53 24.4 39.78N 26.10E 11–1 3.1L **¶621822421**
ISK XI 10 05 53 24.0 39.78N 26.07E 5–0 3.3L
THE XI 10 05 53 24.7 39.8N–.70 26.1E–.80 3–2 3.0,3.0
ATH XI 10 05 53 24.2 39.79N 26.10E 12–1 3.1L,3.0
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/11/10 05:53:51, This location: 2021/11/10 06:09:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XI 11 07 17 50.3–.89 37.36N–.02 35.04E–.02 11–7 3.6b 87 0-79
AFAD XI 11 07 17 49.9 37.38N 35.04E 7–4 3.8W **¶621449510**
ISK XI 11 07 17 49.9 37.37N 35.09E 8–0 3.6L
IDC XI 11 07 17 49.4–.94 37.29N 34.89E 0 3.7L,3.7b
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=9.7km az=73.0.
ISC XI 14 06 52 33.9–1.3 36.01N–.04 29.61E–.02 3–10 55 0-3
AFAD XI 14 06 52 34.1 35.98N 29.59E 4–4 2.8L **¶621822729**
THE XI 14 06 52 34.7 36N–8.0 30E–10 0–17 2.6,2.6

ISK XI 14 06 52 35.0 36.11N 29.60E 5–0 3.0L,2.6
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISK XI 13 16 25 06.0 37.44N 35.08E 1–0 1.0L ¶621822681
ISK Event type ke.
ISC XI 12 09 19 15.0–.71 38.22N–.02 38.82E–.02 4–4 4.6b,4.2s 577 0-99
BJI XI 12 09 19 13.8 38.20N 38.41E 21 5.1b,4.7s **¶621399804**
MOS XI 12 09 19 13.7–1.2 38.15N 38.83E 11 4.8b,4.0s
AFAD XI 12 09 19 13.5 38.25N 38.79E 7–2 4.7W,4.0s
NEIC XI 12 09 19 14.8 38.20N 38.78E 1 4.7W,4.0s
ISK XI 12 09 19 14.9 38.30N 38.79E 6–0 4.9L,4.0s
IDC XI 12 09 19 14.1–.45 38.18N 38.82E 0 4.4b,4.4
CFUSG XI 12 09 19 15.9 38.20N 38.85E 5 3.9,3.4s
NEIC XI 12 09 19 15.3–.87 38.20N–.03 38.78E–.06 7–1 4.8,4.7b
GII XI 12 09 19 15.3–.00 38.27N 38.88E 0 5.0,4.7b
GFZ XI 12 09 19 16.8–.22 38N–2.0 39E–2.0 10 5.3L,5.3
MCSM XI 12 09 19 16.0–.70 38N–4.0 39E–6.0 10–4 4.7b,4.7
MED_R XI 12 09 19 16.0 38.27N 38.88E 11 4.9W,4.7
GFZ XI 12 09 19 16.4 38.31N 38.75E 14 4.8W,4.7
GCMT XI 12 09 19 16.3–.20 38.21N–.01 38.71E–.01 21–1 5.0W,4.7
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12 $M_{\theta\theta}$-1.80 $M_{\phi\phi}$1.93 $M_{r\theta}$0.64 $M_{\theta\phi}$0.27 $M_{\phi r}$0.32 NP1:ϕ_s228.11000°,δ84.52000°,λ-20.45000°. NP2:ϕ_s320.16000°,δ69.64000°,λ-174.15000°. Principal axes: T 2.0123,Plg10.0000°,Azm276.0000°; N 0.0136,Plg69.0000°,Azm34.0000°; P -2.0259,Plg18.0000°,Azm182.0000° $M_0$2.02000×10^{16}
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.42±.07 $M_{\theta\theta}$-2.09±.07; $M_{\phi\phi}$0.00±.10; $M_{r\theta}$0.76±.22; $M_{\theta\phi}$1.17±.07; $M_{\phi r}$0.16±.20; NP1:ϕ_s330.00000°,δ73.00000°,λ-171.00000°. NP2:ϕ_s237.00000°,δ82.00000°,λ-17.00000°. Principal axes: T 2.8300,Plg6.0000°,Azm284.0000°; N -0.2300,Plg71.0000°,Azm32.0000°; P -2.6000,Plg18.0000°,Azm192.0000° $M_0$2.71000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.12 $M_{\theta\theta}$-1.05 $M_{\phi\phi}$0.93 $M_{r\theta}$0.27 $M_{\theta\phi}$1.54 $M_{\phi r}$0.30 NP1:ϕ_s343.01105°,δ79.06272°,λ172.77446°. NP2:ϕ_s74.38903°,δ82.90639°,λ11.02269°. Principal axes: T 1.8636,Plg12.7962°,Azm299.0125°; N 0.0327,Plg76.9158°,Azm106.7623°; P -1.8962,Plg2.6848°,Azm208.4023° $M_0$1.88012×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111120919A. Moment Tensor Solution. s42,c49; s123,c185; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19±.11 $M_{\theta\theta}$-2.82±.09; $M_{\phi\phi}$3.02±.10; $M_{r\theta}$1.64±.20; $M_{\theta\phi}$1.47±.07; $M_{\phi r}$0.32±.15; Best double couple: NP1:ϕ_s330.00000°,δ65.00000°,λ-171.00000°. NP2:ϕ_s237.00000°,δ82.00000°,λ-25.00000°. Principal axes: T 3.5120,Plg12.0000°,Azm286.0000°; N 0.3140,Plg64.0000°,Azm41.0000°; P -3.8190,Plg23.0000°,Azm191.0000° $M_0$3.66600×10^{16}
ISC XI 12 09 21 38.5–1.1 38.29N–.05 38.81E–.03 7–10 15 0-2
AFAD XI 12 09 21 37.5 38.24N 38.79E 7–1 2.9L **¶625008797**
ISK XI 12 09 21 39.8 38.34N 38.91E 14–0 2.8L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XI 13 08 09 48.2–1.2 36.56N–.03 30.37E–.03 45–8 79 0-8
GII XI 13 08 09 45.7–.00 36.582N–.00 30.270E–.00 0 3.3 **¶621822666**
AFAD XI 13 08 09 47.5 36.62N 30.34E 47–0 2.8L
ISK XI 13 08 09 48.5 36.57N 30.31E 29–0 2.7L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XI 17 18 35 42.8–.73 40.82N–.02 31.04E–.01 9–4 3.5b 285 0-37
ISK XI 17 18 35 42.0 40.83N 31.03E 3–0 3.8L **¶621494223**
IDC XI 17 18 35 42.4–2.2 40.77N 30.98E 0 3.7,3.6L
MCSM XI 17 18 35 42.2–1.6 41N–4.0 31E–3.0 11–15 5.6b,5.1
AFAD XI 17 18 35 42.5 40.80N 31.04E 11–1 3.9W,5.1
CFUSG XI 17 18 35 49.1 41.07N 31.13E 24 3.6s,3.5
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=10.6km az=39.0.
AFAD Event type se. Presumed earthquake.
ISC XI 15 16 45 05.0–1.0 39.90N–.02 40.75E–.02 10–9 84 0-4
ISK XI 15 16 45 04.1 39.92N 40.75E 2–0 3.2L **¶621822818**
TIF XI 15 16 45 04.6 39.92N 40.77E 10–1 3.2L
AFAD XI 15 16 45 04.8 39.93N 40.77E 21–1 3.5W
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 17 12 40 17.2–.68 40.86N–.02 31.03E–.01 13–4 4.8b,4.2s 1002 0-131
NAO XI 17 12 39 54.5 39.11N 33.96E 10 4.8b,4.2s **¶621414041**
BJI XI 17 12 40 11.2 40.98N 30.34E 7 5.1b,4.8b
ISK XI 17 12 40 15.9 40.84N 31.03E 7–0 5.2L,4.8b
AFAD XI 17 12 40 15.8 40.84N 31.03E 18–0 5.0W,4.8b
IDC XI 17 12 40 15.3–.41 40.81N 31.02E 0 4.5,4.4b
MOS XI 17 12 40 15.1–1.1 40.87N 31.05E 10 4.9b,4.1s
MCSM XI 17 12 40 15.3–1.1 41N–2.0 31E–3.0 10–8 5.4b,5.4
MED_R XI 17 12 40 16.0 40.84N 31.03E 18 5.0W,5.4
NEIC XI 17 12 40 16.8–1.4 40.86N–.04 31.00E–.04 7–4 4.8,4.8b
NEIC XI 17 12 40 16.3 40.89N 30.99E 3 4.8,4.8b
GFZ XI 17 12 40 18.4–.11 41N–1.0 31E–1.0 10 5.4b,5.3L
GFZ XI 17 12 40 18.4 40.90N 31.04E 16 4.9W,5.3L
GCMT XI 17 12 40 19.7–.20 40.92N–.01 31.00E–.01 18–1 5.0W,5.3L
CFUSG XI 17 12 40 21.8 41.07N 31.08E 23 4.6s,4.5
ISC Event type ke.
NAO Event type se. Presumed earthquake.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=9.1km s-min=7.3km az=43.0.
MOS Error ellipse: s-maj=3.9km s-min=2.7km az=111.7.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.48±.10 $M_{\theta\theta}$1.87±.08; $M_{\phi\phi}$0.00±.07; $M_{r\theta}$-0.31±.13; $M_{\theta\phi}$-2.99±.06; $M_{\phi r}$0.45±.12; NP1:ϕ_s256.00000°,δ82.00000°,λ179.00000°. NP2:ϕ_s346.00000°,δ89.00000°,λ8.00000°. Principal axes: T 3.7100,Plg7.0000°,Azm211.0000°; N -0.5200,Plg82.0000°,Azm355.0000°; P -3.1800,Plg5.0000°,Azm120.0000° $M_0$3.45000×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.7km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-1.01 $M_{r\theta}$-0.08 $M_{\theta\phi}$-1.88 $M_{\phi r}$0.78 NP1:ϕ_s164.37000°,δ86.10000°,λ-19.81000°. NP2:ϕ_s255.77000°,δ70.24000°,λ-175.86000°. Principal axes: T 2.3190,Plg11.0000°,Azm212.0000°; N -0.0373,Plg70.0000°,Azm334.0000°; P -2.2817,Plg17.0000°,Azm118.0000° $M_0$2.30000×10^{16}
NEIC Event type se.
GFZ Error ellipse: s-maj=3.3km s-min=2.4km az=36.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.30 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-0.84 $M_{r\theta}$-0.68 $M_{\theta\phi}$-2.22 $M_{\phi r}$-0.73 NP1:ϕ_s345.77735°,δ71.72997°,λ-13.74664°. NP2:ϕ_s80.16291°,δ76.95890°,λ-161.22847°. Principal axes: T 2.5937,Plg3.5613°,Azm212.2910°; N 0.0942,Plg67.2780°,Azm113.7440°; P -2.6879,Plg22.4101°,Azm303.7617° $M_0$2.64207×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111171240A. Moment Tensor Solution. s39,c49; s115,c186; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.79±.09 $M_{\theta\theta}$1.90±.09; $M_{\phi\phi}$-1.11±.07; $M_{r\theta}$-0.01±.17; $M_{\theta\phi}$-3.07±.07; $M_{\phi r}$0.47±.16; Best double couple: NP1:ϕ_s257.00000°,δ81.00000°,λ-175.00000°. NP2:ϕ_s166.00000°,δ85.00000°,λ-9.00000°. Principal axes: T 3.8290,Plg3.0000°,Azm212.0000°; N -0.7370,Plg80.0000°,Azm320.0000°; P -3.0920,Plg10.0000°,Azm122.0000° $M_0$3.46000×10^{16}
ISC XI 17 12 57 19.6–.78 40.81N–.02 31.03E–.01 12–5 3.8b 274 0-62
IDC XI 17 12 57 18.1–.90 40.73N 30.93E 0 3.9L,3.8 **¶621414047**
MCSM XI 17 12 57 18.3–1.4 41N–2.0 31E–3.0 10–12 5.7b,5.2
AFAD XI 17 12 57 18.9 40.80N 31.04E 7–2 4.3W,5.2
ISK XI 17 12 57 18.9 40.81N 31.03E 6–0 4.3L,5.2
MED_R XI 17 12 57 19.0 40.82N 31.04E 19 4.2W,5.2
GFZ XI 17 12 57 21.0–.27 41N–2.0 31E–3.0 10 5.0b,4.5
NAO XI 17 12 57 23.1 40.72N 30.92E 10 4.1b,4.5
CFUSG XI 17 12 57 24.3 41.00N 31.06E 22 3.6s,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=9.3km az=34.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}1.44±.51 $M_{\theta\theta}$-0.94±.31; $M_{\phi\phi}$0.00±.28; $M_{r\theta}$-1.17±.32; $M_{\theta\phi}$-2.16±.23; $M_{\phi r}$0.72±.41; NP1:ϕ_s12.00000°,δ55.00000°,λ32.00000°. NP2:ϕ_s263.00000°,δ64.00000°,λ141.00000°. Principal axes: T 2.7800,Plg45.0000°,Azm224.0000°; N 0.1500,Plg44.0000°,Azm55.0000°; P -2.9300,Plg5.0000°,Azm320.0000° $M_0$2.85000×10^{15}
GFZ Error ellipse: s-maj=6.3km s-min=4.8km az=67.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NAO Event type se. Presumed earthquake.
ISC XI 20 07 02 13.7–.80 40.62N–.02 36.75E–.02 7–5 3.6b 173 0-49
AFAD XI 20 07 02 13.7 40.62N 36.75E 12–1 4.0W **¶621590341**
TIF XI 20 07 02 13.1 40.65N 36.77E 13–0 4.0W
IDC XI 20 07 02 14.0–1.1 40.68N 36.69E 0 3.7,3.6L
ISK XI 20 07 02 14.1 40.68N 36.82E 2–0 4.1L,3.6L
MCSM XI 20 07 02 16.6–1.6 41N–4.0 37E–3.0 13–11 4.3b,4.1b
CFUSG XI 20 07 02 16.9 40.56N 36.30E 24 3.5,3.5s
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=22.0km s-min=9.6km az=160.0.
ISK Event type ke.
ISC XI 19 01 00 56.0–.96 38.32N–.03 38.84E–.02 10–8 34 0-3
AFAD XI 19 01 00 55.8 38.27N 38.84E 7–2 2.5L **¶621823052**
ISK XI 19 01 00 55.3 38.41N 38.83E 5–0 2.3L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
AFAD XI 20 01 25 13.9 37.96N 28.79E 10–1 1.8L
ISK XI 20 01 25 14.1 37.94N 28.78E 6–0 1.9L **¶621823129**
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XI 19 12 40 53.5–.43 39.81N–.01 41.88E–.01 8–2 5.1b,4.6s 1123 0-130
CFUSG XI 19 12 40 48.4 39.56N 42.31E 5 4.5,3.9s **¶621423224**
TIF XI 19 12 40 50.9 39.81N 41.85E 10–1 4.5,3.9s
BJI XI 19 12 40 51.0 39.80N 41.90E 5 5.3b,5.1s
ISK XI 19 12 40 51.4 39.82N 41.89E 5–0 5.2L,5.1s
IDC XI 19 12 40 51.8–.37 39.77N 41.89E 0 4.7b,4.7
MOS XI 19 12 40 52.4–1.4 39.82N 41.94E 10 5.2b,4.4s
DSN XI 19 12 40 52.7–.34 39.72N 41.67E 10 5.6b,4.4s
AFAD XI 19 12 40 52.6 39.82N 41.87E 5–2 5.1W,4.4s
NEIC XI 19 12 40 53.5–1.6 39.83N–.04 41.92E–.06 6–4 5.1,5.1b
GCMT XI 19 12 40 53.5–.10 39.80N–.01 41.74E–.01 13–0 5.2W,5.1b
NEIC XI 19 12 40 54.1 39.84N 41.93E 10 5.2W,5.1b
GFZ XI 19 12 40 54.9 39.76N 41.98E 10 5.0W,5.1b
GFZ XI 19 12 40 54.9–.11 40N–2.0 42E–1.0 10 5.5b,5.3L
MCSM XI 19 12 40 54.3–.50 40N–3.0 42E–2.0 10–3 5.2b,5.2
NAO XI 19 12 40 58.2 39.76N 41.88E 10 5.0b,5.2
GII XI 19 12 41 11.5–.00 39.932N–.00 42.131E–.00 0 5.5,5.2
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.89 $M_{\theta\theta}$-5.72 $M_{\phi\phi}$3.83 $M_{r\theta}$-0.63 $M_{\theta\phi}$-1.97 $M_{\phi r}$1.29 NP1:ϕ_s36.41000°,δ70.55000°,λ16.39000°. NP2:ϕ_s300.81000°,δ74.57000°,λ159.80000°. Principal axes: T 4.8665,Plg25.0000°,Azm258.0000°; N 1.2630,Plg65.0000°,Azm85.0000°; P -6.1295,Plg3.0000°,Azm349.0000° $M_0$5.61000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111191240A. Moment Tensor Solution. s83,c115; s138,c251;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.41±.01 $M_{\theta\theta}$-0.87±.01; $M_{\phi\phi}$0.46±.01; $M_{r\theta}$0.11±.02; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$-0.28±.03; Best double couple: NP1:ϕ_s225.00000°,δ60.00000°,λ30.00000°. NP2:ϕ_s119.00000°,δ65.00000°,λ146.00000°. Principal axes: T 0.7400,Plg41.0000°,Azm80.0000°; N 0.1530,Plg49.0000°,Azm267.0000°; P -0.8940,Plg3.0000°,Azm173.0000° $M_0$0.81700×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.85 $M_{\theta\theta}$-3.71 $M_{\phi\phi}$4.56 $M_{r\theta}$-1.29 $M_{\theta\phi}$-0.05 $M_{\phi r}$-1.85 NP1:ϕ_s134.61265°,δ60.53624°,λ-175.71066°. NP2:ϕ_s42.49985°,δ86.26626°,λ-29.53263°. Principal axes: T 5.1444,Plg17.5633°,Azm92.3103°; N -0.8742,Plg60.2534°,Azm215.9427°; P -4.2701,Plg23.1945°,Azm354.5157° $M_0$4.76775×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XI 20 07 03 46.6–.84 40.64N–.03 36.77E–.02 11–6 43 0-3
ISK XI 20 07 03 46.3 40.69N 36.85E 5–0 3.3L **¶621823150**
AFAD XI 20 07 03 46.4 40.62N 36.75E 10–0 3.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK XI 22 14 16 18.8 39.79N 30.07E 17–0 1.7L ¶635891166
ISK Event type ke.
ISC XI 21 20 35 43.3–.60 36.20N–.03 31.28E–.02 53–6 4.0b,3.1s 322 1-79
ISK XI 21 20 35 41.4 36.21N 31.26E 13–0 4.0L,3.1s **¶621428012**
NIC XI 21 20 35 41.8 36.24N 31.29E 59–12 3.9L,3.1s
IDC XI 21 20 35 43.7–.86 36.23N 31.24E 59–8 4.0,3.8b
AFAD XI 21 20 35 43.0 36.26N 31.35E 38–0 4.0W,3.8b
GII XI 21 20 35 43.8–.00 36.05N 31.23E 0 3.8,3.8b
GFZ XI 21 20 35 45.2–.23 36N–3.0 31E–3.0 50–6 5.0b,4.3
CFUSG XI 21 20 35 48.8 36.61N 31.00E 33 3.4,2.9s
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=12.0km s-min=10.4km az=64.0.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 21 00 01 44.6–1.1 36.45N–.03 31.70E–.02 16–10 72 0-3
ISK XI 21 00 01 45.6 36.56N 31.73E 2–0 2.6L **¶621470306**
AFAD XI 21 00 01 46.4 36.58N 31.73E 10–2 2.5L
NIC XI 21 00 01 47.4 36.40N 31.93E 22–4 2.3L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
AFAD XI 22 14 16 45.7 40.79N 30.96E 7–2 0.6L ¶621823274
AFAD Event type se. Presumed earthquake.
ISC XI 24 12 36 08.7–1.0 38.29N–.02 38.84E–.02 8–9 36 0-3
ISK XI 24 12 36 08.6 38.34N 38.87E 5–0 2.5L **¶621823426**
AFAD XI 24 12 36 08.5 38.28N 38.81E 7–3 2.5L
ISC Event type ke.
ISK Event type ke.

AFAD Event type se. Presumed earthquake.
ISC XI 22 08 31 25.7–.70 39.80N–.02 41.88E–.01 6–4 4.7b,3.9s 784 0-130
ISK XI 22 08 31 24.5 39.80N 41.88E 5–0 4.8L,3.9s **¶621428051**
TIF XI 22 08 31 24.2 39.86N 41.84E 1–1 4.8L,3.9s
MOS XI 22 08 31 24.5–1.4 39.72N 41.92E 9 5.0b,4.0s
IDC XI 22 08 31 25.1–.42 39.76N 41.92E 0 4.4b,4.4
AFAD XI 22 08 31 25.8 39.82N 41.85E 7–4 4.7W,4.4
NEIC XI 22 08 31 25.5–1.0 39.74N–.05 41.88E–.06 10–1 4.7b,4.4
MCSM XI 22 08 31 25.6–.30 40N–4.0 42E–2.0 10 4.9b,4.7
GCMT XI 22 08 31 27.3–.20 39.82N–.01 41.70E–.03 19–1 4.8W,4.7
GFZ XI 22 08 31 28.7 39.79N 41.95E 10 4.7W,4.7
GFZ XI 22 08 31 29.0–.17 40N–3.0 42E–2.0 10 5.1b,4.8L
CFUSG XI 22 08 31 29.7 39.63N 41.64E 5 3.8,3.6b
NAO XI 22 08 31 34.2 39.75N 41.93E 10 4.4b,3.6b
GII XI 22 08 31 35.3–.00 39.82N 41.85E 0 5.0,3.6b
ISC Event type ke.
ISK Event type ke.
MOS Error ellipse: s-maj=3.9km s-min=3.0km az=106.4.
IDC Error ellipse: s-maj=9.6km s-min=6.9km az=138.0.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.3km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111220831A. Moment Tensor Solution. s22,c26; s87,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.63±.12 $M_{\theta\theta}$-2.35±.09; $M_{\phi\phi}$0.71±.07; $M_{r\theta}$0.32±.14; $M_{\theta\phi}$0.02±.05; $M_{\theta r}$-0.90±.18; Best double couple: NP1:ϕ_s243.00000°,δ48.00000°,λ47.00000°. NP2:ϕ_s117.00000°,δ57.00000°,λ128.00000°. Principal axes: T 2.1950,Plg59.0000°,Azm84.0000°; N 0.1790,Plg31.0000°,Azm275.0000°; P -2.3780,Plg5.0000°,Azm182.0000° $M_0$2.28700×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.66 $M_{\theta\theta}$-1.57 $M_{\phi\phi}$0.92 $M_{r\theta}$-0.37 $M_{\theta\phi}$0.10 $M_{\theta r}$-0.33 NP1: ϕ_s132.99625°,δ58.06797°,λ158.86622°. NP2:ϕ_s234.55107°,δ72.18241°,λ33.74929°. Principal axes: T 1.1750,Plg36.1828°,Azm97.7962°; N 0.4608,Plg52.3348°,Azm259.1567°; P -1.6358,Plg9.0695°,Azm1.0912° $M_0$1.46095×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XI 23 05 41 06.0–.93 39.55N–.02 40.96E–.02 10–8 54 0-28
ISK XI 23 05 41 04.6 39.54N 40.92E 5–0 3.5L **¶621611941**
AFAD XI 23 05 41 05.5 39.53N 40.95E 7–2 3.4L
TIF XI 23 05 41 05.2 39.54N 40.94E 15–1 3.4L
IDC XI 23 05 41 08.5–1.6 39.91N 40.93E 0 3.7b,3.2
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=19.5km s-min=11.4km az=162.0.
ISC XI 26 12 54 28.1–.92 38.88N–.02 43.53E–.04 14–7 37 0-2
AFAD XI 26 12 54 25.8 38.90N 43.63E 24–0 2.6L **¶621823575**
ISK XI 26 12 54 27.7 38.87N 43.39E 7–0 2.6L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XI 25 04 51 31.3–.81 37.81N–.02 27.15E–.02 13–5 64 0-2
ISK XI 25 04 51 30.9 37.83N 27.14E 9–0 2.7L **¶621823480**
THE XI 25 04 51 31.7 38N–1.0 27E–2.0 13–2 2.5,2.5
AFAD XI 25 04 51 31.2 37.81N 27.14E 7–2 2.4L,2.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 27 11 49 49.2–1.3 41.20N–.05 40.97E–.03 14–12 29 0-2
ISK XI 27 11 49 48.7 41.22N 40.98E 26–0 2.7L **¶621823635**
AFAD XI 27 11 49 49.8 41.14N 40.98E 7–3 2.4L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 27 00 44 48.1–.79 37.93N–.02 27.11E–.02 12–7 63 0-2
AFAD XI 27 00 44 47.9 37.92N 27.08E 7–2 2.3L **¶621823614**
ISK XI 27 00 44 47.6 37.92N 27.09E 8–0 2.4L
THE XI 27 00 44 48.1 37.9N–.80 27E–1.0 3–2 2.6,2.6
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XI 27 03 59 31.0–.84 38.98N–.02 43.61E–.02 4–5 3.9s,3.6b 95 0-91
AFAD XI 27 03 59 29.7 38.99N 43.62E 9–1 3.9W,3.6b **¶621625107**
TEH XI 27 03 59 29.5 39.01N 43.60E 9 3.8L,3.6b
ISK XI 27 03 59 29.2 38.98N 43.59E 2–0 4.2L,3.6b
IDC XI 27 03 59 30.8–1.0 39.05N 43.35E 0 3.8b,3.6
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISK Event type ke.
IDC Error ellipse: s-maj=23.8km s-min=10.0km az=139.0.
ISC XI 27 19 20 10.6–.84 38.60N–.02 43.16E–.02 10–6 3.8b 124 0-64
IDC XI 27 19 20 09.5–.80 38.58N 43.17E 0 3.9s,3.8b **¶621625142**
AFAD XI 27 19 20 09.9 38.58N 43.15E 16–1 3.7W,3.8b
ISK XI 27 19 20 10.9 38.50N 43.22E 10–0 3.5L,3.8b
TEH XI 27 19 20 10.2 38.61N 43.15E 6 3.5L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=19.6km s-min=9.1km az=137.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
TEH Event type se. Presumed earthquake.
ISC XII 02 08 11 16.5–1.1 36.47N–.02 35.78E–.02 6–10 68 0-2
ISK XII 02 08 11 17.9 36.46N 35.79E 6–0 2.6L **¶621823940**
AFAD XII 02 08 11 18.0 36.45N 35.75E 13–1 2.6L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 01 08 13 57.8–1.1 39.14N–.03 40.03E–.03 8–10 27 0-1
ISK XII 01 08 13 57.8 39.12N 40.03E 5–0 2.6L **¶621823851**
AFAD XII 01 08 13 57.1 39.14N 40.03E 6–4 2.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 30 12 24 31.4–.80 37.90N–.01 27.12E–.02 12–5 126 0-3
ISK XI 30 12 24 31.7 37.91N 27.14E 5–0 3.5L **¶621823783**
THE XI 30 12 24 31.7 37.9N–.90 27E–1.0 8–2 3.4,3.4
ATH XI 30 12 24 31.9 37.86N 27.11E 7–2 3.6L,3.4
AFAD XI 30 12 24 31.0 37.89N 27.09E 7–2 3.2L,3.4
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/11/30 12:25:58, This location: 2021/11/30 12:33:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC XI 28 19 13 29.3–.85 38.60N–.02 43.16E–.02 13–7 94 0-4
ISK XI 28 19 13 28.9 38.56N 43.14E 5–0 3.4L **¶621823678**
AFAD XI 28 19 13 28.5 38.57N 43.16E 17–1 3.6W
TEH XI 28 19 13 33.5 38.72N 43.57E 10 2.8L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XI 29 20 04 13.9–1.1 38.17N–.02 38.69E–.02 5–12 58 0-5
AFAD XI 29 20 04 13.7 38.17N 38.68E 8–2 3.5W **¶621823739**
ISK XI 29 20 04 14.4 38.21N 38.61E 9–0 3.3L
ISC Event type ke.

AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XII 01 21 38 29.8–.98 38.87N–.02 43.63E–.02 7–8 105 0-6
NSSP XII 01 21 38 26.7 38.90N 43.60E 10 3.6s **¶621823892**
ISK XII 01 21 38 27.9 38.87N 43.65E 5–0 3.6L
TEH XII 01 21 38 28.8 38.89N 43.62E 9 3.6L
AFAD XII 01 21 38 29.1 38.90N 43.65E 9–2 3.6L
ISC Event type ke.
ISK Event type ke.
TEH Event type se. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
ISK XII 02 17 45 00.5 37.94N 27.59E 9–0 1.4L
AFAD XII 02 17 45 00.5 37.86N 27.66E 7–5 1.4L **¶621823961**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 05 03 55 34.8–.86 38.70N–.02 43.45E–.02 16–6 114 0-4
TEH XII 05 03 55 27.5 39.13N 42.88E 10 2.9L **¶621824111**
NSSP XII 05 03 55 29.8 38.53N 43.28E 10 3.5s
AFAD XII 05 03 55 33.7 38.69N 43.50E 23–0 3.5W
ISK XII 05 03 55 34.1 38.70N 43.46E 5–0 3.5L
ISC Event type ke.
TEH Event type se. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XII 03 06 18 42.5–.86 37.89N–.02 32.13E–.02 11–6 115 0-38
ISK XII 03 06 18 41.8 37.88N 32.12E 5–0 3.2L **¶621630569**
IDC XII 03 06 18 41.0–1.5 38.04N 32.11E 0 4.1s,3.8b
AFAD XII 03 06 18 42.2 37.86N 32.11E 9–1 3.2L,3.8b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=23.4km s-min=14.5km az=103.0.
AFAD Event type se. Presumed earthquake.
ISC XII 06 11 48 16.2–1.1 38.88N–.02 43.57E–.02 5–9 74 0-2
NSSP XII 06 11 48 14.5 38.83N 43.55E 10 3.0s **¶621824209**
ISK XII 06 11 48 15.9 38.89N 43.58E 5–0 2.7L
AFAD XII 06 11 48 16.0 38.89N 43.56E 0–1 2.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 05 21 46 47.9–.42 38.87N–.02 43.53E–.02 11–2 4.8b,4.2s 907 0-112
NAO XII 05 21 46 24.9 35.54N 43.51E 33 4.6b,4.2s **¶621613024**
NSSP XII 05 21 46 43.7 38.73N 43.55E 10 5.2s,4.2s
DSN XII 05 21 46 45.8–.61 38.71N 43.39E 10 5.2b,4.5s
BJI XII 05 21 46 45.4 38.94N 43.36E 9 5.1b,4.7b
THR XII 05 21 46 46.4–.00 38.96N 43.51E 10–9 5.0L,4.7b
IDC XII 05 21 46 46.3–.46 38.80N 43.46E 0 4.5b,4.5
ISK XII 05 21 46 46.3 38.87N 43.57E 6–0 5.1L,4.5
MOS XII 05 21 46 47.3–1.2 38.82N 43.53E 16 4.9b,4.0s
TEH XII 05 21 46 47.8 38.92N 43.60E 14 4.6L,4.0s
AFAD XII 05 21 46 47.2 38.91N 43.49E 8–1 4.9W,4.0s
GFZ XII 05 21 46 48.4 38.88N 43.63E 10 4.7W,4.0s
GFZ XII 05 21 46 48.4–.13 39N–2.0 44E–1.0 10 5.3L,5.2b
NEIC XII 05 21 46 48 38.85N 43.49E 10 5.3L,5.2b
NEIC XII 05 21 46 48.1 38.84N 43.50E 10 5.3L,5.2b
MCSM XII 05 21 46 48.1–.40 39N–4.0 43E–4.0 10 5.0b,4.9b
NEIC XII 05 21 46 49.6–1.2 38.89N–.05 43.49E–.07 19–3 5.0,5.0b
GCMT XII 05 21 46 49.4–.20 38.84N–.01 43.49E–.01 22–1 5.0W,5.0b
TIF XII 05 21 46 49.2 38.95N 43.50E 26–1 5.0W,5.0b
BGR XII 05 21 46 50.3–4.9 38.71N 43.21E 10 4.7b,5.0b
MED_R XII 05 21 46 52.0 38.91N 43.49E 22 5.0W,5.0b
NEIC XII 05 21 46 54.6 38.84N 43.63E 20 4.9,5.0b
ISC Event type ke.
NAO Event type se. Presumed earthquake.
DSN Error ellipse: s-maj=13.7km s-min=5.1km az=75.0.
THR Event type se. Error ellipse: s-maj=6.6km s-min=6.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=9.0km s-min=6.3km az=134.0.
ISK Event type ke.
MOS Error ellipse: s-maj=4.3km s-min=3.0km az=114.1.
TEH Event type se. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$1.40 $M_{r\theta}$0.08 $M_{\theta\phi}$-0.86 $M_{\theta r}$-0.05 NP1: ϕ_s298.47553°,δ89.81527°,λ-176.54401°. NP2:ϕ_s208.46437°,δ86.54403°,λ-0.18507°. Principal axes: T 1.6599,Plg2.3123°,Azm73.4180°; N -0.1691,Plg86.5391°,Azm301.5315°; P -1.4908,Plg2.5738°,Azm163.5220° $M_0$1.58214×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.4km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55 $M_{\theta\theta}$-3.22 $M_{\phi\phi}$3.77 $M_{r\theta}$1.19 $M_{\theta\phi}$-0.21 $M_{\theta r}$0.16 NP1:ϕ_s221.30000°,δ76.64000°,λ-16.28000°. NP2:ϕ_s315.16000°,δ74.17000°,λ-166.10000°. Principal axes: T 3.7828,Plg2.0000°,Azm269.0000°; N -0.0992,Plg69.0000°,Azm3.0000°; P -3.6836,Plg21.0000°,Azm178.0000° $M_0$3.73000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112052146A. Moment Tensor Solution. s43,c48; s117,c190; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.69±.13 $M_{\theta\theta}$-3.89±.12; $M_{\phi\phi}$3.20±.10; $M_{r\theta}$-0.47±.16; $M_{\theta\phi}$-0.70±.09; $M_{\theta r}$0.40±.16; Best double couple: NP1:ϕ_s40.00000°,δ79.00000°,λ3.00000°. NP2:ϕ_s309.00000°,δ87.00000°,λ169.00000°. Principal axes: T 3.3450,Plg10.0000°,Azm264.0000°; N 0.6530,Plg79.0000°,Azm113.0000°; P -3.9970,Plg5.0000°,Azm355.0000° $M_0$3.67100×10^{16}
BGR Event type ke. Error ellipse: s-maj=93.4km s-min=57.8km az=138.0.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}0.54±.18 $M_{\theta\theta}$-3.72±.15; $M_{\phi\phi}$0.00±.13; $M_{r\theta}$0.75±.19; $M_{\theta\phi}$-0.83±.09; $M_{\theta r}$0.63±.14; NP1: ϕ_s308.00000°,δ75.00000°,λ180.00000°. NP2:ϕ_s39.00000°,δ90.00000°,λ15.00000°. Principal axes: T 3.3800,Plg11.0000°,Azm265.0000°; N 0.5900,Plg75.0000°,Azm40.0000°; P -3.9700,Plg10.0000°,Azm172.0000° $M_0$3.68000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s4 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.05 $M_{\theta\theta}$-2.91 $M_{\phi\phi}$2.96 $M_{r\theta}$-0.08 $M_{\theta\phi}$-0.63 $M_{\theta r}$0.03 NP1:ϕ_s38.94000°,δ88.41000°,λ-0.55000°. NP2:ϕ_s128.96000°,δ89.45000°,λ-178.41000°. Principal axes: T 3.0293,Plg1.0000°,Azm264.0000°; N -0.0467,Plg88.0000°,Azm148.0000°; P -2.9826,Plg2.0000°,Azm354.0000° $M_0$3.01000×10^{16}
ISC XII 05 10 20 55.4–.88 39.96N–.02 39.16E–.02 15–8 68 0-4
ISK XII 05 10 20 54.7 39.99N 39.17E 8–0 3.2L **¶621824129**
AFAD XII 05 10 20 55.0 39.92N 39.14E 7–2 3.5W
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 06 12 49 55.2–.95 38.89N–.02 43.52E–.02 6–8 72 0-3
NSSP XII 06 12 49 53.5 38.82N 43.52E 10 3.0s **¶621824213**
ISK XII 06 12 49 54.2 38.86N 43.51E 2–0 2.7L
AFAD XII 06 12 49 54.7 38.93N 43.54E 16–2 2.9L
TEH XII 06 12 49 56.0 38.88N 43.70E 10 2.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 07 02 08 08.2–.79 37.80N–.02 27.14E–.02 14–5 115 0-10
AFAD XII 07 02 08 07.9 37.80N 27.11E 7–3 3.7W **¶621824246**
ISK XII 07 02 08 07.8 37.80N 27.13E 6–0 3.6L
ATH XII 07 02 08 08.4 37.78N 27.11E 14–1 3.5L
THE XII 07 02 08 08.6 38N–1.0 27E–2.0 12–2 3.4,3.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/07 02:09:25, This location: 2021/12/07 02:17:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC XII 10 20 01 40.2–1.3 36.27N–.04 31.21E–.03 54–16 61 1-3
ISK XII 10 20 01 38.1 36.26N 31.16E 19–0 2.8L ¶621632718
AFAD XII 10 20 01 40.8 36.29N 31.22E 39–1 2.3L
NIC XII 10 20 01 42.2 36.35N 31.68E 64–20 2.4L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 06 21 56 43.9–1.1 39.88N–.03 40.78E–.03 11–10 30 0-1
AFAD XII 06 21 56 43.8 39.87N 40.78E 7–2 2.8L ¶621824231
ISK XII 06 21 56 43.6 39.89N 40.79E 9–0 2.7L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
AFAD XII 09 03 50 54.5 38.77N 38.13E 16–2 2.6L
ISK XII 09 03 50 55.3 38.83N 38.06E 5–0 2.6L ¶621824368
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISK XII 09 03 50 56.3 39.91N 39.09E 6–0 2.2L
AFAD XII 09 03 50 55.8 39.87N 39.04E 7–4 2.1L ¶621824371
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
AFAD XII 09 04 24 15.9 38.77N 38.16E 7–4 1.8L
ISK XII 09 04 24 16.6 38.77N 38.09E 6–0 1.8L ¶621824378
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XII 09 01 35 55.0–.85 40.17N–.01 27.41E–.01 18–3 200 0-5
ISK XII 09 01 35 54.9 40.18N 27.40E 2–0 3.0L ¶621824358
AFAD XII 09 01 35 54.7 40.17N 27.40E 13–1 2.9L
SOF XII 09 01 35 55.9 40.35N–.03 27.20E–.02 2–1 3.6
THE XII 09 01 35 56.9 40N–2.0 27E–4.0 12–9 2.6,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
SOF Event type ke.
ISC XII 12 02 15 57.7–1.1 39.33N–.02 43.83E–.02 5–11 81 0-4
ISK XII 12 02 15 56.1 39.22N 44.18E 20–0 2.7L ¶621824536
AFAD XII 12 02 15 56.5 39.32N 43.84E 7–1 2.7L
TEH XII 12 02 15 57.2 39.30N 44.00E 10 2.6L
AZER XII 12 02 16 03.2 39.29N 44.17E 5 2.9L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 12 22 28 40.6–.85 38.91N–.02 43.52E–.02 13–6 46 0-3
ISK XII 12 22 28 39.7 38.87N 43.51E 5–0 2.9L ¶621824561
AFAD XII 12 22 28 40.2 38.91N 43.55E 14–1 3.0L
TEH XII 12 22 28 45.5 38.97N 43.94E 24 2.6L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISK XII 12 03 41 17.1 37.93N 27.00E 5–0 1.5L
¶621824540
ISK Event type ke.
ISC XII 12 21 25 45.6–.85 37.47N–.03 35.85E–.02 17–5 34 0-2
ISK XII 12 21 25 45.2 37.46N 35.83E 18–0 2.6L ¶621824557
AFAD XII 12 21 25 47.2 37.48N 35.84E 17–3 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 14 13 08 15.7–1.1 38.64N–.03 39.62E–.02 6–10 48 0-3
AFAD XII 14 13 08 14.2 38.62N 39.69E 7–2 3.0L ¶621824650
ISK XII 14 13 08 16.0 38.69N 39.54E 5–0 2.7L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XII 13 17 10 33.4–1.1 38.61N–.02 39.60E–.02 7–9 54 0-6
AFAD XII 13 17 10 33.4 38.58N 39.64E 7–2 3.6L ¶621824603
ISK XII 13 17 10 33.3 38.64N 39.52E 5–0 3.7L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
AFAD XII 15 12 28 45.2 38.84N 41.83E 7–4 1.7L
ISK XII 15 12 28 43.5 38.86N 41.86E 12–0 1.7L ¶621824696
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XII 20 17 49 09.8–1.0 40.49N–.02 34.24E–.02 8–8 89 0-35
IDC XII 20 17 49 09.0–1.1 40.53N 34.28E 0 3.5L,3.3b ¶621685631
ISK XII 20 17 49 09.0 40.49N 34.21E 2–0 3.7L,3.3b
AFAD XII 20 17 49 09.7 40.49N 34.25E 7–4 3.5W,3.3b
CFUSG XII 20 17 49 13.3 40.58N 34.36E 33 2.9,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=13.3km az=120.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 18 02 53 02.5–.83 39.30N–.02 26.09E–.02 11–6 74 0-2
AFAD XII 18 02 53 02.9 39.31N 26.13E 7–4 2.4L ¶621824834
ISK XII 18 02 53 02.1 39.30N 26.09E 11–0 2.6L
THE XII 18 02 53 02.6 39.3N–.70 26.1E–.90 8–2 2.4,2.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XII 17 09 28 33.1–.82 40.47N–.01 34.21E–.02 6–5 4.1b,3.2s 323 0-77
IDC XII 17 09 28 33.0–.66 40.46N 34.25E 0 3.8L,3.8b ¶621631587
ISK XII 17 09 28 32.8 40.49N 34.22E 2–0 4.2L,3.8b
MOS XII 17 09 28 32.2–1.3 40.44N 34.21E 13 4.3b,3.8b
NEIC XII 17 09 28 33.4–1.1 40.51N–.05 34.18E–.05 10–1 4.1b,3.8b
MCSM XII 17 09 28 33.1–.40 41N–2.0 34E–4.0 8–3 4.4,4.3b
MED_R XII 17 09 28 33.0 40.48N 34.23E 10 4.1W,4.3b
AFAD XII 17 09 28 34.0 40.48N 34.22E 7–1 4.1W,4.3b
CFUSG XII 17 09 28 35.0 40.45N 34.17E 33 3.7s,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=10.2km az=126.0.
ISK Event type ke.
MOS Error ellipse: s-maj=6.6km s-min=4.4km az=71.6.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.5km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-0.25±.13 $M_{\theta\theta}$-1.07±.12; $M_{\phi\phi}$0.00±.14; $M_{r\theta}$-0.12±.36; $M_{\theta\phi}$-1.30±.17; $M_{\phi r}$0.52±.37; NP1: ϕ_s290.00000°,δ78.00000°,λ174.00000°. NP2:ϕ_s22.00000°,δ84.00000°,λ12.00000°. Principal axes: T 2.0100,Plg13.0000°,Azm247.0000°; N -0.3700,Plg76.0000°,Azm47.0000°; P -1.6500,Plg4.0000°,Azm156.0000° $M_0$1.83000×10^{15}
AFAD Event type se. Presumed earthquake.
AFAD XII 24 10 47 58.0 39.72N 27.57E 1–1 1.2L
¶636235725
AFAD Event type se. Presumed earthquake.
ISC XII 20 19 21 29.7–1.1 40.48N–.02 34.27E–.02 6–9 3.4b 86 0-36
ISK XII 20 19 21 28.7 40.49N 34.21E 5–0 3.6L ¶621685637
AFAD XII 20 19 21 29.5 40.46N 34.22E 7–3 3.6W
IDC XII 20 19 21 29.7–1.1 40.45N 34.28E 0 3.7L,3.5b
CFUSG XII 20 19 21 32.0 40.98N 34.36E 33 3.0s,2.8
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=16.7km s-min=11.6km az=96.0.
ISC XII 23 20 51 50.3–1.2 36.08N–.02 35.79E–.02 2–10 114 0-6
NIC XII 23 20 51 49.2 35.94N 36.08E 7–2 3.0L ¶621653782
ISK XII 23 20 51 50.3 36.08N 35.80E 10–0 3.0L
GII XII 23 20 51 52.5–.00 36.121N–.00 35.741E–.00 0 2.6
AFAD XII 23 20 51 53.3 36.11N 35.52E 22–2 2.7L
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC XII 21 01 36 18.5–1.1 40.62N–.03 35.37E–.02 19–3 36 0-22
IDC XII 21 01 36 15.2–2.0 41.41N 34.03E 0 3.7,3.6b ¶621685653
ISK XII 21 01 36 17.9 40.64N 35.37E 3–0 2.2L,3.6b
AFAD XII 21 01 36 18.7 40.61N 35.35E 7–2 2.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=13.5km az=117.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 24 02 26 40.6–.85 38.75N–.02 43.50E–.02 10–6 4.1b 166 0-92
NSSP XII 24 02 26 34.2 38.68N 43.28E 10 4.1s ¶621652218
ISK XII 24 02 26 38.8 38.73N 43.58E 5–0 4.0L
TEH XII 24 02 26 39.9 38.76N 43.52E 8 3.8L
TIF XII 24 02 26 39.7 38.77N 43.51E 8–1 3.8L
IDC XII 24 02 26 40.7–.94 38.78N 43.82E 0 3.8b,3.7
NEIC XII 24 02 26 40.8–2.6 38.74N–.05 43.4E–.10 10–2 4.0b,3.7
AFAD XII 24 02 26 40.0 38.75N 43.51E 7–5 3.9W,3.7
MCSM XII 24 02 26 41.2–3.3 39N–12 43E–5.0 10–22 4.4,4.1b
ISC Event type ke.
ISK Event type ke.
TEH Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
ISC XII 21 17 16 26.0–1.3 36.31N–.03 31.99E–.03 104–8 113 0-7
AFAD XII 21 17 16 25.7 36.38N 31.97E 29–5 2.3L ¶621640245
ISK XII 21 17 16 26.5 36.38N 31.99E 99–0 2.8L
NIC XII 21 17 16 28.4 36.34N 32.20E 47–12 2.5L
GII XII 21 17 16 29.4–.00 36.071N–.00 32.019E–.00 0 2.7
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XII 23 22 44 59.4–.85 38.76N–.02 43.46E–.02 14–7 76 0-4
NSSP XII 23 22 44 54.4 38.65N 43.35E 10 3.8s ¶621825174
ISK XII 23 22 44 57.9 38.76N 43.47E 5–0 3.8L
AFAD XII 23 22 44 58.8 38.75N 43.48E 7–4 3.8W
TIF XII 23 22 44 58.5 38.77N 43.45E 17–1 3.8W
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
AFAD XII 23 22 47 19.2 38.76N 43.41E 7–3 1.8L
¶625009448
AFAD Event type se. Presumed earthquake.
ISC XII 23 23 00 23.3–.87 38.75N–.02 43.51E–.02 16–7 60 0-3
NSSP XII 23 23 00 19.2 38.65N 43.30E 10 3.2s ¶621825175
ISK XII 23 23 00 22.0 38.75N 43.51E 5–0 2.8L
AFAD XII 23 23 00 23.1 38.75N 43.51E 7–5 2.8L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 23 23 14 46.7–1.0 38.77N–.02 43.48E–.03 11–9 30 0-2
ISK XII 23 23 14 44.9 38.74N 43.47E 2–0 2.2L ¶621825178
AFAD XII 23 23 14 46.0 38.76N 43.43E 7–4 2.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 29 15 20 20.1–.97 41.80N–.02 32.49E–.02 12–8 76 0-7
AFAD XII 29 15 20 20.5 41.74N 32.51E 7–3 2.4L ¶621816534
ISK XII 29 15 20 20.1 41.71N 32.53E 5–0 2.5L
CFUSG XII 29 15 20 21.9 41.77N 32.59E 10 3.0s,2.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XII 27 02 59 37.9–.93 39.51N–.02 41.18E–.02 8–8 67 0-27
IDC XII 27 02 59 35.9–1.8 39.41N 41.27E 0 3.3b,3.1 ¶621717279
ISK XII 27 02 59 36.3 39.50N 41.21E 1–0 3.8L,3.1
AFAD XII 27 02 59 37.4 39.51N 41.19E 7–2 3.7W,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=11.2km az=167.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 29 06 51 57.4–1.1 38.62N–.03 39.68E–.02 9–10 40 0-3
ISK XII 29 06 51 56.6 38.62N 39.62E 5–0 2.8L ¶621816504
AFAD XII 29 06 51 56.7 38.60N 39.69E 8–1 2.9L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 29 11 31 59.8–.99 38.73N–.03 43.49E–.02 19–2 39 0-3
ISK XII 29 11 31 58.5 38.75N 43.42E 5–0 2.6L ¶621816520
AFAD XII 29 11 31 59.3 38.76N 43.49E 7–6 2.4L
TEH XII 29 11 32 02.3 38.94N 43.72E 20 2.6L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 30 17 23 58.2–1.0 39.28N–.02 28.26E–.02 9–9 155 0-3
AFAD XII 30 17 23 57.8 39.29N 28.25E 12–2 3.5W ¶621816602
ISK XII 30 17 23 58.1 39.28N 28.25E 7–0 3.3L
THE XII 30 17 24 00.5 39N–3.0 28E–4.0 15 3.1,3.1
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

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ISC VII 01 09 45 54.2–.00 41.19N–.02 43.94E–.02 9–9 83 0-4
TIF VII 01 09 45 53.9 41.19N 43.94E 10–1 ¶621412379
AFAD VII 01 09 45 54.1 41.19N 43.89E 7–3 2.9L
AZER VII 01 09 45 56.2 41.21N 44.09E 11 3.0L
ISC Event type se.
AFAD Event type se. Presumed earthquake.
ISC VII 03 12 23 20.8–1.1 41.24N–.03 43.93E–.02 8–10 43 1-3
ISK VII 03 12 23 22.7 41.13N 44.02E 12–0 2.5L ¶621193972
AFAD VII 03 12 23 24.9 41.13N 43.64E 7–2 2.0L
AZER VII 03 12 23 24.9 41.15N 44.05E 2 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 06 19 53 42.3–1.1 41.17N–.02 43.91E–.02 1–10 3.5b 70 0-30
IDC VII 06 19 53 42.7–1.2 41.19N 43.90E 0 3.4b,3.4 ¶620757325
ISK VII 06 19 53 42.6 41.20N 43.94E 3–0 3.3L,3.4
TIF VII 06 19 53 42.7 41.19N 43.93E 10–1 3.3L,3.4
AFAD VII 06 19 53 45.3 41.11N 43.73E 7–3 3.3L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=10.3km az=61.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 07 11 08 32.0–.99 41.16N–.02 43.92E–.02 10–9 46 0-2
ISK VII 07 11 08 31.5 41.14N 43.98E 5–0 2.9L ¶621194193
TIF VII 07 11 08 31.7 41.18N 43.94E 9–0 2.9L
AFAD VII 07 11 08 33.0 41.19N 43.93E 14–2 2.5L
ISC Event type ke.
ISK Event type ke.

AFAD Event type se. Presumed earthquake.
ISC VII 07 18 20 52.3–.85 41.19N–.02 43.83E–.02 20–6 91 0-4
TIF VII 07 18 20 51.9 41.19N 43.93E 7–0 ¶621412380
AZER VII 07 18 20 54.9 41.18N 44.14E 25 3.0L
AFAD VII 07 18 20 56.0 41.06N 43.54E 8–5 2.1L
ISC Event type se.
AFAD Event type se. Presumed earthquake.
ISC VII 08 06 26 47.3–1.0 41.15N–.02 43.90E–.02 8–10 46 0-2
AFAD VII 08 06 26 47.6 41.15N 43.85E 7–3 2.6L ¶621194232
ISK VII 08 06 26 47.2 41.13N 43.98E 6–0 3.0L
TIF VII 08 06 26 47.2 41.17N 43.92E 10–0 3.0L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 08 10 03 43.8–1.0 41.18N–.02 43.93E–.01 8–9 108 0-4
ISK VII 08 10 03 43.5 41.17N 43.93E 5–0 3.4L ¶620773513
TIF VII 08 10 03 44.1 41.19N 43.93E 10–1 3.4L
NSSP VII 08 10 03 44.0 41.18N 43.93E 10 3.1s
AFAD VII 08 10 03 45.1 41.17N 43.80E 7–3 3.0L
AZER VII 08 10 03 45.9 41.23N 44.11E 11 3.4L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 08 12 06 25.0–1.1 41.19N–.03 43.88E–.02 10–11 38 1-3
AFAD VII 08 12 06 25.4 41.20N 43.84E 7–3 2.2L ¶621194239
AZER VII 08 12 06 25.2 41.03N 44.05E 11 2.5L
ISK VII 08 12 06 26.3 41.23N 44.02E 22–0 3.0L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 08 13 38 31.6–.88 41.20N–.02 43.91E–.02 12–7 54 0-2
AFAD VII 08 13 38 30.0 41.25N 43.85E 10–68 3.0L ¶621412381
NSSP VII 08 13 38 31.2 41.18N 43.93E 10 3.1s
TIF VII 08 13 38 31.9 41.18N 43.93E 10–0 3.1s
ISC Event type se.
AFAD Event type se. Presumed earthquake.
ISC VII 08 19 22 44.3–1.2 41.21N–.03 43.97E–.02 3–11 50 1-4
AZER VII 08 19 22 46.8 41.18N 44.03E 3 2.8L ¶625005793
AFAD VII 08 19 22 47.2 41.16N 43.79E 8–4 2.3L
ISC Event type se.
AFAD Event type se. Presumed earthquake.
ISC VII 09 05 39 54.3–1.3 41.30N–.05 43.89E–.03 7–11 32 1-3
AZER VII 09 05 39 56.3 41.20N 44.01E 2 2.5L ¶625005805
AFAD VII 09 05 39 58.4 41.14N 43.91E 18–4 2.5L
ISC Event type se.
AFAD Event type se. Presumed earthquake.
ISC VII 11 10 42 55.2–.00 41.17N–.02 43.93E–.01 6–9 131 0-5
ISK VII 11 10 42 54.9 41.19N 43.92E 5–0 3.6L ¶621194423
TIF VII 11 10 42 55.0 41.19N 43.93E 10–1 3.6L
AZER VII 11 10 42 55.6 41.27N 44.05E 10 3.6L
NSSP VII 11 10 42 55.6 41.13N 43.93E 10 3.0s
AFAD VII 11 10 42 57.5 41.14N 43.72E 4–4 3.2L
DAGSR VII 11 10 42 57.0 40.89N 43.77E 15 3.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VII 11 23 01 08.8–.92 41.20N–.03 43.95E–.03 10 46 1-4
ISK VII 11 23 01 08.7 41.17N 43.94E 6–0 2.6L ¶621194443
AZER VII 11 23 01 11.6 41.20N 44.19E 5 2.6L
ISC Event type ke.
ISK Event type ke.
ISC VII 12 01 15 00.6–1.2 41.15N–.04 43.90E–.03 5–11 30 0-2
ISK VII 12 01 15 00.5 41.19N 43.92E 5–0 2.2L ¶621194452
NOGSR VII 12 01 15 00.4 41.15N 43.97E 9–0 3.3
AFAD VII 12 01 15 02.7 41.15N 43.86E 7–3 1.7L
ISC Event type ke.
ISK Event type ke.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
ISC VII 14 07 04 23.1–1.0 41.17N–.01 43.93E–.01 5–8 3.6b 192 0-44
NSSP VII 14 07 04 21.6 41.20N 43.90E 10 3.1s ¶620828943
DAGSR VII 14 07 04 21.6 41.10N 43.70E 21 3.1s
AZER VII 14 07 04 21.8 41.28N 44.01E 8 3.9L
ISK VII 14 07 04 22.4 41.15N 43.94E 2–0 3.8L
MOS VII 14 07 04 22.7–1.7 41.18N 43.91E 6 4.4b
TIF VII 14 07 04 23.0 41.18N 43.93E 10–0 4.4b
AFAD VII 14 07 04 23.6 41.15N 43.87E 14–2 3.4L
IDC VII 14 07 04 23.7–2.4 41.28N 44.01E 0 3.4b,3.4
ISC Event type ke.
DAGSR Event type se.
ISK Event type ke.
MOS Error ellipse: s-maj=6.2km s-min=5.1km az=64.6.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=36.9km s-min=21.3km az=29.0.
ISC VII 14 07 41 24.8–.96 41.16N–.02 43.90E–.01 8–9 100 0-4
NSSP VII 14 07 41 23.0 41.18N 43.88E 10 3.0s ¶621194551
ISK VII 14 07 41 24.1 41.15N 43.92E 5–0 3.0L
TIF VII 14 07 41 24.7 41.17N 43.89E 13–0 3.0L
AFAD VII 14 07 41 25.5 41.15N 43.83E 7–5 2.9L
AZER VII 14 07 41 26.4 41.17N 44.04E 2 3.3L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 14 15 46 30.6–1.2 41.22N–.03 43.79E–.02 10–10 44 1-3
ISK VII 14 15 46 33.2 41.13N 44.07E 31–0 2.7L ¶621194566
AZER VII 14 15 46 34.8 41.03N 44.12E 4 2.7L
AFAD VII 14 15 46 35.4 41.09N 43.69E 16–3 2.1L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 16 01 03 58.9–1.2 41.22N–.03 43.89E–.02 4–11 71 1-4
ISK VII 16 01 03 59.8 41.18N 43.94E 3–0 2.7L ¶621194628
AFAD VII 16 01 04 01.0 41.18N 43.83E 7–4 2.3L
AZER VII 16 01 04 02.0 41.17N 44.09E 4 2.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 16 21 23 31.1–1.0 41.23N–.02 43.90E–.02 11–9 83 1-4
ISK VII 16 21 23 32.4 41.18N 43.95E 5–0 2.8L ¶621194666
AZER VII 16 21 23 33.6 41.20N 44.02E 3 2.7L
AFAD VII 16 21 23 34.8 41.06N 43.85E 12–0 2.2L
DAGSR VII 16 21 23 34.7 41.13N 43.91E 10 2.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VII 25 21 09 09.3–1.2 41.17N–.03 43.98E–.04 6–11 31 0-3
NOGSR VII 25 21 09 08.0 41.23N 43.92E 10–0 3.3 ¶625024891
AZER VII 25 21 09 11.5 41.04N 44.13E 2 2.3L
ISC Event type se.
NOGSR Event type se.
ISC VII 14 09 34 20.6–1.2 41.18N–.04 43.99E–.02 5–10 33 1-3
ISK VII 14 09 34 19.1 41.18N 43.97E 5–0 2.6L ¶621194556
AZER VII 14 09 34 23.0 41.10N 44.06E 12 2.2L
AFAD VII 14 09 34 23.7 41.16N 43.76E 8–5 1.6L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 30 00 15 39.8–1.4 41.23N–.05 43.90E–.03 13–10 30 1-2
ISK VII 30 00 15 40.3 41.20N 43.92E 5–0 2.5L ¶621195946
AFAD VII 30 00 15 42.0 41.12N 43.77E 7–6 2.1L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 25 09 02 58.4–.94 41.44N–.01 43.98E–.01 10–8 258 0-5
DAGSR VII 25 09 02 55.8 41.48N 43.68E 28 ¶620845831
NSSP VII 25 09 02 56.1 41.48N 44.00E 10 3.2s
ISK VII 25 09 02 57.6 41.45N 44.02E 5–0 3.4L
TIF VII 25 09 02 57.6 41.45N 44.01E 11–0 3.4L
NOGSR VII 25 09 02 58.2 41.41N 44.07E 1–0 4.2
MOS VII 25 09 03 00.3 41.34N 44.01E 6–0 4.3
AFAD VII 25 09 03 01.6 41.31N 43.79E 2–1 3.0L
AZER VII 25 09 03 03.3 41.35N 44.37E 2 3.4L
ISC Event type ke.
DAGSR Event type se.
ISK Event type ke.
NOGSR Event type se.
MOS Event type se.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 17 09 00.8–1.1 41.14N–.02 43.88E–.02 1–10 81 0-4
TIF VIII 01 17 09 00.9 41.18N 43.92E 10–1 ¶620925732
MOS VIII 01 17 09 01.8 41.11N 43.93E 4–0 3.6
AFAD VIII 01 17 09 03.1 41.15N 43.74E 7–4 2.5L
DAGSR VIII 01 17 09 05.1 41.11N 44.00E 10 2.5L
ISC Event type se.
MOS Event type se.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VII 30 00 16 27.2–.90 41.16N–.02 43.91E–.02 13–7 84 0-3
ISK VII 30 00 16 26.4 41.16N 43.97E 11–0 3.3L ¶621195949
TIF VII 30 00 16 26.9 41.19N 43.93E 10–1 3.3L
NSSP VII 30 00 16 27.2 41.17N 43.90E 10 3.0s
AFAD VII 30 00 16 29.6 41.07N 43.68E 4–2 2.8L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 02 01 40 26.9–1.0 41.16N–.03 43.91E–.02 16–10 64 1-4
AZER VIII 02 01 40 28.7 41.09N 44.00E 5 2.7L ¶625006113
AFAD VIII 02 01 40 29.7 41.08N 43.87E 16–2 2.4L
ISC Event type se.
AFAD Event type se. Presumed earthquake.
ISC VIII 02 17 58 21.1–1.2 41.25N–.04 43.96E–.02 4–11 49 1-4
ISK VIII 02 17 58 21.9 41.19N 43.92E 5–0 3.0L ¶621367994
AZER VIII 02 17 58 24.0 41.13N 44.03E 16 2.6L
AFAD VIII 02 17 58 25.0 41.14N 43.70E 6–3 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 06 12 49 00.1–1.1 41.19N–.03 43.85E–.02 9–10 53 1-4
ISK VIII 06 12 48 59.3 41.20N 43.83E 9–0 3.1L ¶621368646
AFAD VIII 06 12 49 01.4 41.22N 43.85E 4–2 2.8L
AZER VIII 06 12 49 02.4 41.23N 44.09E 7 3.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 07 04 28 07.9–1.0 41.15N–.01 43.91E–.01 4–8 3.5b 180 0-36
ISK VIII 07 04 28 07.2 41.18N 43.96E 6–0 3.8L ¶620976037
IDC VIII 07 04 28 07.9–1.6 41.12N 43.96E 0 3.5b,3.4
TIF VIII 07 04 28 07.2 41.20N 43.94E 10–1 3.5b,3.4
NSSP VIII 07 04 28 08.2 41.12N 43.92E 10 3.6s,3.4
MOS VIII 07 04 28 08.3–1.3 41.14N 43.90E 10 4.0b,3.4
DAGSR VIII 07 04 28 09.2 41.21N 43.72E 10 4.0b,3.4
AFAD VIII 07 04 28 10.2 41.12N 43.64E 22–3 3.7W,3.4
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=18.1km az=16.0.
MOS Error ellipse: s-maj=5.6km s-min=4.2km az=83.2.
DAGSR Event type se.
AFAD Event type se. Presumed earthquake.
ISC VIII 06 15 25 17.9–.88 41.15N–.02 43.83E–.02 15–6 64 0-3
NOGSR VIII 06 15 25 15.6 41.15N 43.95E 10–0 3.8 ¶621412389
TIF VIII 06 15 25 16.8 41.20N 43.94E 9–0 3.8
AFAD VIII 06 15 25 18.3 41.16N 43.74E 7–3 2.6L
DAGSR VIII 06 15 25 20.4 40.98N 43.96E 3 2.6L
ISC Event type se.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VIII 06 23 36 33.9–1.0 41.20N–.02 43.96E–.02 8–9 127 0-4
TIF VIII 06 23 36 34.6 41.19N 43.93E 10–1 ¶620976025
MOS VIII 06 23 36 35.5–1.5 41.17N 43.82E 11 4.0b
AFAD VIII 06 23 36 38.1 41.05N 43.69E 4–2 2.7L
DAGSR VIII 06 23 36 38.5 41.01N 43.68E 15 2.7L
ISC Event type se.
MOS Error ellipse: s-maj=6.1km s-min=4.9km az=63.8.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VIII 07 22 49 46.3–1.1 41.26N–.03 43.92E–.02 10–10 53 1-3
ISK VIII 07 22 49 47.3 41.20N 43.91E 5–0 2.5L ¶621368948
AFAD VIII 07 22 49 49.2 41.17N 43.78E 6–4 2.0L
AZER VIII 07 22 49 49.6 41.08N 44.01E 10 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 08 02 59 23.6–1.1 41.19N–.03 43.98E–.02 15–11 47 1-3
DAGSR VIII 08 02 59 25.4 40.95N 44.20E 1 ¶625006316
AFAD VIII 08 02 59 25.9 41.18N 43.80E 6–2 2.5L
AZER VIII 08 02 59 26.2 41.17N 44.04E 10 2.8L
ISC Event type se.
DAGSR Event type se.
AFAD Event type se. Presumed earthquake.
ISC VIII 10 12 34 26.5–1.1 41.14N–.03 43.92E–.02 7–9 44 0-2
AFAD VIII 10 12 34 26.9 41.13N 43.80E 7–3 2.2L ¶621369184
NOGSR VIII 10 12 34 26.6 41.13N 43.94E 2–0 3.5
ISK VIII 10 12 34 26.1 41.18N 43.94E 13–0 3.0L
AZER VIII 10 12 34 29.2 40.98N 44.10E 9 2.6L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
NOGSR Event type se.
ISK Event type ke.
ISC VIII 09 19 03 50.1–1.1 41.13N–.03 43.93E–.02 6–10 40 0-3
NOGSR VIII 09 19 03 50.5 41.15N 43.95E 7–0 3.2 ¶625006344
AZER VIII 09 19 03 52.4 41.07N 44.04E 6 2.1L
AFAD VIII 09 19 03 53.9 41.13N 43.58E 8–6 1.6L
ISC Event type se.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
ISC VIII 09 04 03 23.6–1.0 41.17N–.02 43.95E–.02 11–11 74 0-4
DAGSR VIII 09 04 03 22.2 41.11N 43.93E 1 ¶621412390
TIF VIII 09 04 03 23.3 41.19N 43.94E 10–0
AZER VIII 09 04 03 27.3 41.21N 44.31E 20 3.2L
ISC Event type se.
DAGSR Event type se.
ISC VIII 13 10 51 59.6–1.1 41.23N–.03 43.91E–.02 6–10 61 1-4
AFAD VIII 13 10 51 59.9 41.22N 43.90E 6–3 2.2L ¶621369365
ISK VIII 13 10 52 00.2 41.18N 43.92E 6–0 2.8L
AZER VIII 13 10 52 01.8 41.17N 44.02E 4 2.9L
DAGSR VIII 13 10 52 04.0 41.33N 43.83E 1 2.9L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

DAGSR Event type se.
ISC VIII 10 21 14 59.8–1.1 41.18N–.03 43.90E–.03 11–9 45 0-2
NOGSR VIII 10 21 14 58.3 41.11N 43.93E 10–0 3.6 **¶621412393**
DAGSR VIII 10 21 14 58.6 41.04N 43.46E 15 3.6
TIF VIII 10 21 14 59.4 41.19N 43.91E 11–0 3.6
ISC Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC VIII 10 21 17 18.7–1.0 41.16N–.02 43.93E–.02 8–9 90 0-4
NOGSR VIII 10 21 17 16.8 41.09N 43.90E 10–0 3.6 **¶621412392**
TIF VIII 10 21 17 17.9 41.19N 43.91E 10–1 3.6
AZER VIII 10 21 17 19.3 41.17N 44.01E 2 3.0L
DAGSR VIII 10 21 17 22.9 41.07N 43.83E 15 3.0L
ISC Event type se.
NOGSR Event type se.
DAGSR Event type se.
ISC VIII 12 14 14 10.3–1.1 41.16N–.03 43.91E–.03 10–9 28 0-2
NOGSR VIII 12 14 14 09.2 41.12N 43.98E 2–0 3.4 **¶625006424**
AFAD VIII 12 14 14 10.7 41.19N 43.82E 7–4 2.3L
ISC Event type se.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
ISC VIII 12 00 29 15.7–1.0 41.16N–.03 43.99E–.02 18–6 51 0-4
NOGSR VIII 12 00 29 14.5 41.13N 43.94E 10–0 3.4 **¶625006400**
AZER VIII 12 00 29 16.4 41.12N 44.07E 12 2.4L
AFAD VIII 12 00 29 17.5 41.16N 43.81E 6–3 1.8L
DAGSR VIII 12 00 29 17.2 40.96N 43.99E 10 1.8L
ISC Event type se.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VIII 12 11 52 55.4–.91 41.19N–.03 43.88E–.02 13–8 54 0-2
ISK VIII 12 11 52 54.3 41.19N 43.90E 6–0 3.1L **¶621369314**
TIF VIII 12 11 52 54.7 41.21N 43.92E 10–1 3.1L
NOGSR VIII 12 11 52 54.1 41.13N 43.97E 2–0 3.8
AFAD VIII 12 11 52 56.0 41.17N 43.76E 7–3 2.7L
DAGSR VIII 12 11 52 57.2 41.12N 43.72E 15 2.7L
ISC Event type ke.
ISK Event type ke.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VIII 15 20 47 45.7–1.1 41.18N–.03 43.96E–.03 4–11 33 1-3
AFAD VIII 15 20 47 46.6 41.19N 43.84E 7–4 2.1L **¶621369505**
ISK VIII 15 20 47 46.7 41.21N 44.00E 19–0 2.7L
DAGSR VIII 15 20 47 50.5 41.04N 43.99E 8 2.7L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
DAGSR Event type se.
ISC VIII 15 23 19 13.5–.83 41.18N–.01 43.92E–.01 13–6 4.4s,3.9b 226 0-91
ISK VIII 15 23 19 12.4 41.18N 43.91E 5–0 3.9L,3.9b **¶620987290**
AFAD VIII 15 23 19 12.6 41.15N 43.89E 7–3 3.4L,3.9b
NSSP VIII 15 23 19 12.9 41.18N 43.87E 10 3.4s,3.9b
TIF VIII 15 23 19 12.4 41.19N 43.92E 10–1 3.4s,3.9b
IDC VIII 15 23 19 13.3–.95 41.22N 44.05E 0 4.2s,3.7b
NEIC VIII 15 23 19 13.9–1.9 41.12N–.04 44.12E–.06 10–1 4.1b,3.7b
MOS VIII 15 23 19 13.0–1.2 41.16N 43.85E 6 4.2b,3.7b
NNC VIII 15 23 19 17.7–5.7 41.88N 44.09E 0 3.7b,3.7b
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=16.9km s-min=10.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.8km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Error ellipse: s-maj=5.0km s-min=4.1km az=105.2. Felt (III) at Tbilisi. Moment Tensor Solution.
NNC Event type se. Error ellipse: s-maj=92.9km s-min=49.7km az=118.0.
ISC VIII 15 19 34 21.1–1.1 41.20N–.03 43.94E–.02 8–11 56 1-4
ISK VIII 15 19 34 21.7 41.14N 43.98E 13–0 2.5L **¶621369501**
AFAD VIII 15 19 34 23.4 41.20N 43.77E 7–3 2.1L
DAGSR VIII 15 19 34 24.6 41.11N 43.62E 23 2.1L
AZER VIII 15 19 34 27.2 41.12N 44.17E 4 2.6L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VIII 15 19 42 02.6–.96 41.19N–.01 43.96E–.01 8–8 164 0-28
MOS VIII 15 19 42 02.1–1.4 41.22N 43.83E 6 4.1b **¶620987281**
TIF VIII 15 19 42 02.1 41.19N 43.94E 9–0 4.1b
AZER VIII 15 19 42 02.4 41.24N 44.00E 9 3.8L
ISK VIII 15 19 42 02.6 41.20N 43.98E 6–0 3.1L
NSSP VIII 15 19 42 03.0 41.18N 43.88E 10 3.3s
AFAD VIII 15 19 42 03.1 41.20N 43.85E 8–2 3.6W
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=6.4km s-min=5.0km az=97.6. Felt (III-IV) at Bavra; (III) at Zuygakhpyur, Metsavan, Pagakhpyur. Moment Tensor Solution.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 17 05 43 57.4–.61 41.15N–.02 43.90E–.01 10 139 0-26
ISK VIII 17 05 43 55.3 41.18N 43.96E 5–0 3.6L **¶620990421**
TIF VIII 17 05 43 56.0 41.17N 43.92E 10–0 3.6L
MOS VIII 17 05 43 56.9–1.4 41.11N 43.88E 3 4.1b
NSSP VIII 17 05 43 56.9 41.18N 43.90E 10 3.1s
AFAD VIII 17 05 43 57.0 41.14N 43.79E 4–2 3.2L
DAGSR VIII 17 05 43 59.8 41.00N 43.64E 34 3.2L
ISC Event type ke.
ISK Event type ke.
MOS Error ellipse: s-maj=6.6km s-min=4.8km az=74.7.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VIII 16 15 56 05.4–.91 41.18N–.02 43.90E–.01 9–7 126 0-26
MOS VIII 16 15 56 04.6–1.5 41.23N 43.82E 2 3.9b **¶620989845**
NOGSR VIII 16 15 56 04.6 41.14N 43.95E 3–0 3.7
AFAD VIII 16 15 56 05.2 41.20N 43.78E 6–4 2.6L
TIF VIII 16 15 56 05.1 41.21N 43.91E 10–1 2.6L
ISK VIII 16 15 56 05.1 41.22N 43.98E 5–0 3.1L
AZER VIII 16 15 56 09.6 41.05N 44.43E 3 2.9L
ISC Event type ke.
MOS Error ellipse: s-maj=7.2km s-min=5.8km az=90.7.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 16 12 43 55.2–1.1 41.29N–.03 43.90E–.02 8–10 38 1-3
AFAD VIII 16 12 43 55.9 41.22N 43.92E 6–2 2.6L **¶621369549**
ISK VIII 16 12 43 57.6 41.42N 44.15E 87–0 2.9L
AZER VIII 16 12 43 60.0 41.03N 44.13E 15 2.7L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 16 01 44 05.5–.78 41.19N–.01 43.92E–.01 9–4 5.0b,4.0s 951 0-154
NAO VIII 16 01 43 23.6 36.05N 45.71E 33 3.9b,4.0s **¶620987293**
IDC VIII 16 01 44 03.5–.39 41.18N 43.88E 0 4.4b,4.4
TIF VIII 16 01 44 04.7 41.20N 43.91E 10–0 4.4b,4.4
MOS VIII 16 01 44 04.4 41.07N 43.89E 4–0 5.3,4.4
NSSP VIII 16 01 44 05.3 41.18N 43.87E 10 4.5s,4.4
MCSM VIII 16 01 44 05.4–.90 41N–2.0 44E–2.0 11–6 4.9b,4.8b
NEIC VIII 16 01 44 05.9–1.6 41.17N–.05 43.97E–.07 10–1 5.0b,4.8
NEIC VIII 16 01 44 05.9 41.17N 43.97E 10 5.0b,4.8
AFAD VIII 16 01 44 05.8 41.16N 43.82E 8–2 4.6W,4.8
ISK VIII 16 01 44 05.6 41.20N 44.00E 17–0 4.8L,4.8
CFUSG VIII 16 01 44 06.2 40.48N 43.27E 15 3.9,3.6s
GCMT VIII 16 01 44 07.9–.20 41.21N–.02 43.89E–.02 24–0 4.8W,3.6s
GFZ VIII 16 01 44 07.8 41.21N 43.97E 21 4.6W,3.6s
GFZ VIII 16 01 44 07.7–.36 41N–2.0 44E–4.0 10 4.5b,4.2
NNC VIII 16 01 44 12.4–3.6 41.48N 44.92E 0 4.8b,4.2
ISC Event type ke.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=6.9km s-min=6.2km az=130.0.
MOS Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.6km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.98 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$1.30 $M_{r\theta}$-0.31 $M_{\theta\phi}$0.51 $M_{\phi r}$-0.13 NP1:ϕ_s174.25000°,δ44.46000°,λ-122.86000°. NP2:ϕ_s36.40000°,δ53.96000°,λ-61.96000°. Principal axes: T 1.4667,Plg5.0000°,Azm107.0000° ; N -0.3602,Plg22.0000°,Azm199.0000°; P -1.1065,Plg67.0000°,Azm5.0000° $M_0$1.32000×10^{16}
NEIC Event type se.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108160144A. Moment Tensor Solution. s27,c33; s93,c146; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.70±.14 $M_{\theta\theta}$-0.56±.08; $M_{\phi\phi}$2.26±.09; $M_{r\theta}$-0.12±.12; $M_{\theta\phi}$0.94±.04; $M_{\phi r}$0.24±.09; Best double couple: NP1:ϕ_s29.00000°,δ44.00000°,λ-73.00000°. NP2:ϕ_s186.00000°,δ49.00000°,λ-105.00000°. Principal axes: T 2.5520,Plg3.0000°,Azm287.0000°; N -0.8000,Plg12.0000°,Azm196.0000° ; P -1.7480,Plg78.0000°,Azm30.0000° $M_0$2.15000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.65 $M_{\theta\theta}$0.74 $M_{\phi\phi}$-0.09 $M_{r\theta}$0.28 $M_{\theta\phi}$-0.36 $M_{\phi r}$-0.69 NP1: ϕ_s83.08369°,δ35.28165°,λ-141.35995°. NP2:ϕ_s319.95537°,δ68.85890°,λ-61.07219°. Principal axes: T 1.0462,Plg18.7959°,Azm28.7753°; N 0.0645,Plg26.8176°,Azm128.6825° ; P -1.1106,Plg56.3312°,Azm268.0493° $M_0$1.07986×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=67.1km s-min=38.6km az=115.0.
ISC VIII 16 01 51 46.9–1.1 41.20N–.02 43.98E–.02 6–10 64 0-4
TIF VIII 16 01 51 46.5 41.21N 43.91E 10–1 **¶621369521**
ISK VIII 16 01 51 47.6 41.30N 44.09E 70–1 3.2L
AZER VIII 16 01 51 48.6 41.18N 44.04E 5 2.9L
ISC Event type ke.
ISK Event type ke.
ISC VIII 17 06 01 06.1–1.1 41.18N–.04 43.93E–.02 9–10 34 1-3
ISK VIII 17 06 01 07.8 41.16N 44.01E 15–0 2.8L **¶621369576**
AFAD VIII 17 06 01 08.0 41.17N 43.83E 7–1 2.1L
AZER VIII 17 06 01 09.3 40.83N 44.06E 5 2.6L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 17 10 44 25.5–.94 41.18N–.02 43.86E–.02 13–8 96 0-4
TIF VIII 17 10 44 25.1 41.16N 43.92E 10–0 **¶621369592**
ISK VIII 17 10 44 25.3 41.27N 44.15E 86–0 3.0L
AFAD VIII 17 10 44 26.7 41.16N 43.79E 7–3 2.4L
AZER VIII 17 10 44 27.5 41.02N 44.14E 2 3.2L
DAGSR VIII 17 10 44 27.5 41.02N 43.62E 11 3.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VIII 17 14 06 34.7–1.1 41.17N–.01 43.96E–.01 3–9 219 0-23
AFAD VIII 17 14 06 34.1 41.15N 43.92E 4–4 3.8L **¶620993290**
TIF VIII 17 14 06 34.9 41.18N 43.93E 10–0 3.8L
ISK VIII 17 14 06 34.6 41.18N 43.95E 4–0 3.8L
NSSP VIII 17 14 06 35.7 41.17N 43.90E 10 3.3s
AZER VIII 17 14 06 35.9 41.18N 44.02E 10 3.9L
MOS VIII 17 14 06 35.3–1.2 41.13N 43.86E 6 4.2b
DAGSR VIII 17 14 06 37.6 41.01N 43.54E 30 4.2b
TEH VIII 17 14 06 56.2 40.14N 44.77E 7 2.8L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
MOS Error ellipse: s-maj=6.5km s-min=4.5km az=78.1.
DAGSR Event type se.
TEH Event type se. Presumed earthquake.
ISC VIII 18 10 35 30.4–1.8 41.24N–.06 43.93E–.03 9–15 25 1-3
ISK VIII 18 10 35 30.8 41.16N 43.96E 5–0 2.8L **¶621369654**
AZER VIII 18 10 35 33.0 40.83N 44.06E 5 2.5L
AFAD VIII 18 10 35 34.9 40.59N 43.54E 7–5 1.9L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 17 10 15 11.0–1.1 41.16N–.02 43.91E–.02 5–10 52 0-2
TIF VIII 17 10 15 10.1 41.17N 43.92E 10–0 **¶621369590**
AFAD VIII 17 10 15 11.2 41.13N 43.83E 7–3 2.3L
ISK VIII 17 10 15 13.4 41.09N 44.52E 5–0 3.2L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 19 18 01 24.5–1.1 41.17N–.03 43.94E–.02 8–9 45 0-3
AFAD VIII 19 18 01 24.5 41.21N 43.89E 6–3 1.9L **¶625006515**
NOGSR VIII 19 18 01 24.4 41.15N 43.95E 10–0 3.6
AZER VIII 19 18 01 26.4 41.13N 44.01E 10 2.5L
ISC Event type se.
AFAD Event type se. Presumed earthquake.
NOGSR Event type se.
ISC VIII 18 21 56 58.5–1.4 41.19N–.04 43.87E–.03 12–12 20 1-2
AFAD VIII 18 21 56 59.9 41.19N 43.82E 7–3 1.7L **¶621369676**
ISK VIII 18 21 56 59.2 41.18N 43.96E 10–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 18 09 41 50.6–1.0 41.18N–.01 43.93E–.01 3–8 3.5b 280 0-70
IDC VIII 18 09 41 49.0–1.2 41.09N 43.52E 0 3.5b,3.3 **¶620996175**
AZER VIII 18 09 41 51.7 41.28N 44.03E 4 3.9L,3.3
ISK VIII 18 09 41 51.8 41.20N 43.97E 6–0 3.5L,3.3
TIF VIII 18 09 41 51.1 41.19N 43.90E 10–0 3.5L,3.3
MOS VIII 18 09 41 51.8 41.11N 43.90E 1–0 4.5,3.3
NSSP VIII 18 09 41 52.5 41.18N 43.90E 10 3.3s,3.3
AFAD VIII 18 09 41 52.9 41.17N 43.80E 7–3 3.4L,3.3
DAGSR VIII 18 09 41 53.7 40.97N 43.79E 5 3.4L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=12.9km az=51.0.
ISK Event type ke.
MOS Event type se.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC VIII 25 05 31 55.6–.89 41.19N–.03 43.88E–.02 12–7 52 0-4
TIF VIII 25 05 31 54.9 41.19N 43.91E 10–1 **¶621412394**
AFAD VIII 25 05 31 56.6 41.15N 43.77E 7–3 2.5L
AZER VIII 25 05 31 57.5 41.28N 44.24E 5 3.0L
ISC Event type se.
AFAD Event type se. Presumed earthquake.
ISC VIII 22 19 04 45.5–2.1 41.25N–.04 43.96E–.09 3–14 41 1-4
DAGSR VIII 22 19 04 49.8 41.17N 43.63E 30 **¶625044390**
AZER VIII 22 19 04 49.1 41.22N 44.12E 5 2.9L
ISC Event type se.
DAGSR Event type se.
ISC VIII 20 15 11 54.9–1.1 41.23N–.03 43.99E–.02 6–10 44 1-3
ISK VIII 20 15 11 55.8 41.27N 44.15E 86–0 2.6L **¶621369790**
AZER VIII 20 15 11 57.3 41.09N 44.21E 4 2.5L

AFAD VIII 20 15 11 58.2 41.18N 43.70E 6–3 2.3L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 29 04 28 59.0–1.2 41.17N–.04 43.92E–.03 2–11 46 0-4
TIF VIII 29 04 28 58.5 41.22N 43.92E 10–1 ¶621412395
AZER VIII 29 04 29 01.9 41.03N 44.25E 11 2.7L
ISC Event type se.
ISC IX 03 10 29 07.1–1.0 41.17N–.01 43.95E–.01 3–8 260 0-17
TIF IX 03 10 29 06.8 41.19N 43.92E 7–1 ¶621026103
ISK IX 03 10 29 06.5 41.18N 43.90E 5–0 3.5L
NSSP IX 03 10 29 07.5 41.20N 43.97E 10 3.4s
AFAD IX 03 10 29 07.3 41.18N 43.87E 7–2 3.4L
MOS IX 03 10 29 08.9 41.01N 43.88E 1–0 4.4
AZER IX 03 10 29 09.7 41.18N 44.15E 10 3.7L
DAGSR IX 03 10 29 09.3 41.02N 43.60E 15 3.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
MOS Event type se.
DAGSR Event type se.
ISC IX 01 23 11 57.2–1.1 41.18N–.02 43.94E–.02 5–10 74 1-3
ISK IX 01 23 11 57.8 41.19N 43.92E 5–0 2.6L ¶621817491
AFAD IX 01 23 11 59.9 41.11N 43.76E 7–3 2.0L
AZER IX 01 23 11 59.4 41.15N 44.00E 3 2.7L
DAGSR IX 01 23 12 00.2 41.16N 43.70E 23 2.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC IX 16 10 19 23.2–.00 41.17N–.02 43.93E–.02 9–9 104 0-5
DAGSR IX 16 10 19 16.6 40.90N 43.97E 10 ¶621080772
ISK IX 16 10 19 22.8 41.18N 43.94E 5–0 3.1L
TIF IX 16 10 19 22.9 41.19N 43.92E 11–0 3.1L
AFAD IX 16 10 19 23.8 41.19N 43.83E 6–3 2.7L
MOS IX 16 10 19 24.0–1.6 41.14N 43.89E 11 3.8b
ISC Event type ke.
DAGSR Event type se.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=8.3km s-min=6.5km az=57.2.
ISC IX 08 07 50 13.5–1.2 41.24N–.04 43.95E–.02 7–11 41 1-3
ISK IX 08 07 50 13.7 41.24N 43.85E 10–0 2.7L ¶621817823
AFAD IX 08 07 50 15.8 41.19N 43.80E 7–3 2.4L
AZER IX 08 07 50 16.7 41.13N 44.06E 2 2.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 13 18 07 54.7–3.1 41.19N–.06 42.9E–.20 13–14 36 2-5
DAGSR IX 13 18 07 51.0 41.18N 42.66E 10 ¶625046221
AZER IX 13 18 08 08.9 41.14N 44.16E 2 2.5L
ISC Event type se.
DAGSR Event type se.
ISC IX 03 11 13 02.5–1.2 41.11N–.03 43.85E–.02 6–11 35 0-3
AFAD IX 03 11 13 02.8 41.12N 43.82E 5–2 2.1L ¶625006728
AZER IX 03 11 13 03.5 41.03N 44.05E 2 2.5L
ISC Event type se.
AFAD Event type se. Presumed earthquake.
ISC IX 13 01 36 26.0–1.0 41.16N–.03 43.90E–.02 13–9 38 0-2
ISK IX 13 01 36 25.2 41.15N 43.94E 6–0 2.6L ¶621818253
AFAD IX 13 01 36 26.0 41.15N 43.89E 7–3 2.0L
NOGSR IX 13 01 36 26.0 41.05N 43.82E 11–0 3.3
DAGSR IX 13 01 36 29.2 41.18N 43.71E 21 3.3
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NOGSR Event type se.
DAGSR Event type se.
ISC IX 14 08 33 11.3–.75 41.17N–.03 43.90E–.02 8 52 0-2
AFAD IX 14 08 33 10.6 41.14N 43.92E 7–3 2.6L ¶621412397
TIF IX 14 08 33 11.6 41.19N 43.92E 10–0 2.6L
ISK IX 14 08 33 11.0 41.18N 43.91E 6–1 2.8L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC IX 22 00 08 29.7–1.2 41.13N–.06 43.83E–.05 16–12 24 0-3
NOGSR IX 22 00 08 29.8 41.19N 43.85E 10–0 3.1 ¶625046673
AZER IX 22 00 08 31.3 40.93N 44.06E 6 2.0L
ISC Event type se.
NOGSR Event type se.
ISC IX 26 08 18 48.8–1.3 41.17N–.05 43.86E–.02 8–10 33 1-3
AFAD IX 26 08 18 49.4 41.18N 43.83E 7–4 2.0L ¶625007126
AZER IX 26 08 18 50.3 40.78N 44.24E 2 2.5L
ISC Event type se.
AFAD Event type se. Presumed earthquake.
ISC IX 24 07 27 59.1–1.2 41.18N–.03 43.94E–.02 8–10 38 1-3
ISK IX 24 07 27 59.1 41.15N 43.91E 6–0 2.3L ¶621818968
AFAD IX 24 07 28 00.3 41.20N 43.86E 7–4 2.0L
AZER IX 24 07 28 01.7 41.50N 44.21E 10 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 29 22 44 04.6–1.1 41.30N–.02 43.98E–.02 0–9 162 0-26
TIF IX 29 22 44 04.6 41.36N 43.92E 11–0 ¶621113092
NOGSR IX 29 22 44 05.5 41.37N 43.82E 12–0 3.9
MOS IX 29 22 44 06.3–1.8 41.27N 43.85E 13 3.9b
DAGSR IX 29 22 44 07.1 41.35N 43.85E 5 3.9b
AZER IX 29 22 44 11.3 41.20N 44.49E 4 2.9L
ISC Event type se.
NOGSR Event type se.
MOS Error ellipse: s-maj=6.3km s-min=4.1km az=74.3.
DAGSR Event type se.
ISC X 01 00 30 11.5–1.2 41.14N–.03 43.91E–.02 3–10 64 1-4
ISK X 01 00 30 11.9 41.13N 43.93E 6–0 2.1L ¶621819552
AZER X 01 00 30 12.6 41.06N 44.02E 2 2.6L
AFAD X 01 00 30 13.4 41.14N 43.72E 7–5 1.9L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 15 15 55 39.7–1.2 41.37N–.02 43.97E–.02 4–10 80 0-4
MOS X 15 15 55 39.5 41.39N 44.01E 2–0 3.5 ¶625008423
NOGSR X 15 15 55 41.6 41.32N 43.93E 21–0 3.5
DAGSR X 15 15 55 41.1 41.61N 43.65E 24 3.5
AZER X 15 15 55 41.1 41.46N 44.36E 2 2.5L
AFAD X 15 15 55 42.5 41.31N 43.90E 7–4 2.2L
ISC Event type se.
MOS Event type se.
NOGSR Event type se.
DAGSR Event type se.
AFAD Event type se. Presumed earthquake.
ISC X 14 08 51 13.0–1.1 41.19N–.03 43.99E–.02 8–11 53 1-4
DAGSR X 14 08 51 01.9 40.69N 44.39E 15 ¶621820527
ISK X 14 08 51 14.1 41.08N 43.94E 14–0 2.5L
AFAD X 14 08 51 14.7 41.19N 43.83E 7–3 2.3L
AZER X 14 08 51 16.1 41.08N 44.08E 11 2.8L
ISC Event type ke.
DAGSR Event type se.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 05 08 31 12.0–1.0 41.15N–.01 43.90E–.01 3–9 234 0-12
NSSP X 05 08 31 10.6 41.18N 43.97E 10 3.5s ¶621122780
NOGSR X 05 08 31 11.5 41.26N 43.89E 2–0 4.3
MOS X 05 08 31 11.7–1.5 41.10N 43.80E 6 4.1b
TIF X 05 08 31 11.0 41.18N 43.90E 10–1 4.1b
ISK X 05 08 31 12.6 41.03N 43.86E 2–0 3.7L
AFAD X 05 08 31 12.1 41.15N 43.83E 7–3 3.4L
AZER X 05 08 31 13.1 41.13N 44.10E 2 3.8L
ISC Event type ke.
NOGSR Event type se.
MOS Event type fe. Error ellipse: s-maj=6.8km s-min=3.9km az=81.5. Felt (III) at Alaverdi, Tashir. Moment Tensor Solution.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 18 00 28 24.4–1.1 41.22N–.03 43.93E–.02 11–10 70 1-4
ISK X 18 00 28 23.3 41.27N 44.01E 7–0 2.1L ¶621820733
AFAD X 18 00 28 25.5 41.18N 43.80E 7–4 1.9L
AZER X 18 00 28 25.6 41.23N 44.00E 13 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 17 18 28 23.1–1.6 41.19N–.06 43.91E–.05 17–10 29 1-2
ISK X 17 18 28 24.2 41.12N 43.91E 11–0 2.6L ¶621820708
AFAD X 17 18 28 24.9 41.15N 43.79E 7–5 2.3L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 24 17 04 45.1–1.0 41.10N–.01 43.94E–.01 3–7 4.1b,3.3s 296 0-131
TIF X 24 17 04 44.9 41.15N 43.94E 9–1 4.1b,3.3s ¶621238302
ISK X 24 17 04 44.9 41.08N 43.92E 5–0 4.1L,3.3s
AFAD X 24 17 04 44.9 41.09N 43.92E 16–1 4.1W,3.3s
NSSP X 24 17 04 45.0 41.12N 43.97E 10 3.9s,3.3s
DAGSR X 24 17 04 45.2 41.11N 43.69E 27 3.9s,3.3s
IDC X 24 17 04 45.6–.71 41.20N 44.06E 0 3.8L,3.8
NEIC X 24 17 04 46.0–1.9 41.11N–.05 44.05E–.08 10–1 4.1b,3.8
MOS X 24 17 04 46.5–1.1 41.07N 43.80E 23 4.3b,3.8
CFUSG X 24 17 04 48.9 40.97N 43.92E 19 3.5,3.2s
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
IDC Error ellipse: s-maj=13.8km s-min=8.5km az=60.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.4km az=242.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=4.8km s-min=4.0km az=112.0.
ISC X 17 23 05 44.2–1.1 41.23N–.02 43.90E–.02 9–10 89 1-4
AFAD X 17 23 05 45.9 41.20N 43.85E 15–4 2.3L ¶621820720
ISK X 17 23 05 46.7 41.07N 43.86E 8–0 2.5L
DAGSR X 17 23 05 47.9 41.23N 43.90E 1 2.5L
AZER X 17 23 05 48.1 41.21N 44.07E 5 2.7L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
DAGSR Event type se.
ISC X 20 07 54 30.1–.98 41.18N–.03 43.90E–.03 15–8 35 0-2
ISK X 20 07 54 29.3 41.20N 43.95E 9–0 2.5L ¶621820861
NOGSR X 20 07 54 30.0 41.04N 43.69E 19–0 3.4
AFAD X 20 07 54 31.5 41.20N 43.75E 6–5 2.1L
ISC Event type ke.
ISK Event type ke.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
ISC XI 08 14 58 29.9–1.1 41.41N–.01 43.98E–.01 3–10 168 0-4
NOGSR XI 08 14 58 29.6 41.37N 44.02E 10–0 4.1 ¶621384577
TIF XI 08 14 58 30.5 41.43N 43.99E 13–0 4.1
ISK XI 08 14 58 31.3 41.40N 43.98E 6–0 3.2L
MOS XI 08 14 58 31.2–1.2 41.39N 43.95E 6 4.0b
AFAD XI 08 14 58 31.9 41.39N 43.86E 4–3 2.9L
NSSP XI 08 14 58 31.1 41.37N 43.97E 10 3.1s
DAGSR XI 08 14 58 32.8 41.32N 44.05E 3 3.1s
ISC Event type ke.
NOGSR Event type se.
ISK Event type ke.
MOS Error ellipse: s-maj=6.7km s-min=5.1km az=59.0.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC X 27 11 50 38.9–.99 41.31N–.02 43.98E–.03 15–8 41 0-2
NOGSR X 27 11 50 36.7 41.33N 44.01E 12–0 3.4 ¶625008572
AFAD X 27 11 50 38.1 41.38N 43.93E 8–6 2.5L
DAGSR X 27 11 50 39.7 41.12N 44.00E 50 2.5L
ISC Event type se.
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC X 24 17 20 21.5–.97 41.10N–.02 43.90E–.02 13–8 49 0-2
AFAD X 24 17 20 20.5 41.10N 43.92E 7–4 2.5L ¶621821158
TIF X 24 17 20 21.0 41.15N 43.94E 9–1 2.5L
ISK X 24 17 20 21.6 41.07N 43.92E 9–0 2.4L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC X 25 12 57 51.4–1.1 41.14N–.02 43.93E–.02 10–10 110 0-4
AFAD X 25 12 57 52.3 41.13N 43.90E 7–3 2.9L ¶622130535
TIF X 25 12 57 52.1 41.14N 43.92E 10–1 2.9L
AZER X 25 12 57 53.6 41.13N 44.11E 1 3.3L
DAGSR X 25 12 57 53.9 41.03N 43.69E 15 3.3L
ISC Event type se.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
ISC XI 05 02 28 31.7–1.0 41.11N–.02 43.89E–.01 8–9 128 0-4
NOGSR XI 05 02 28 31.5 41.05N 43.85E 14–0 3.7 ¶621821900
AZER XI 05 02 28 32.3 41.02N 44.04E 12 3.3L
ISK XI 05 02 28 33.5 41.04N 43.88E 5–0 2.8L
AFAD XI 05 02 28 33.7 41.02N 43.80E 43–0 2.7L
ISC Event type ke.
NOGSR Event type se.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 29 23 26 09.5–1.2 41.12N–.03 43.98E–.02 2–10 59 1-4
ISK X 29 23 26 09.5 41.11N 43.97E 4–0 1.9L ¶621821468
AZER X 29 23 26 09.3 40.81N 44.04E 12 2.5L
AFAD X 29 23 26 11.4 41.09N 43.81E 6–4 2.3L
DAGSR X 29 23 26 14.9 41.30N 43.53E 34 2.3L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
DAGSR Event type se.
NOGSR XI 08 15 14 43.2 41.37N 43.99E 15–0 3.3
AFAD XI 08 15 14 41.7 39.61N 42.41E 7–3 1.8L ¶635753728
AZER XI 08 15 14 41.4 41.11N 44.02E 10 2.0L
ISK XI 08 15 14 42.7 41.54N 44.10E 16–0 2.5L
NOGSR Event type se.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XI 15 20 56 16.8–1.2 41.09N–.02 43.88E–.03 4–10 48 0-3
NOGSR XI 15 20 56 15.0 41.06N 43.88E 10–0 3.6 ¶621822824
ISK XI 15 20 56 16.9 41.09N 43.91E 7–0 2.5L
AFAD XI 15 20 56 18.1 41.16N 43.73E 7–4 2.4L
ISC Event type ke.
NOGSR Event type se.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**XI**	**08 17 34 58.2–1.0**	**41.40N–.01**	**43.99E–.01**	**6–9**		**152**	**0-4**
TIF	XI	08 17 34 57.5	41.44N	43.99E	11–0			¶621822235
ISK	XI	08 17 34 58.0	41.39N	43.98E	6–0	3.1L		
NSSP	XI	08 17 34 58.4	41.32N	44.00E	10	3.0s		
NOGSR	XI	08 17 34 58.4	41.33N	44.03E	9–0	3.8		
AFAD	XI	08 17 34 59.3	41.37N	43.82E	4–5	2.9L		
AZER	XI	08 17 35 00.8	41.38N	44.27E	5	3.0L		
DAGSR	XI	08 17 35 02.2	41.30N	43.98E	3	3.0L		
ISC	Event type ke.							
ISK	Event type ke.							
NOGSR	Event type se.							
AFAD	Event type se. Presumed earthquake.							
DAGSR	Event type se.							
ISC	**XI**	**14 06 23 28.7–1.0**	**41.17N–.02**	**43.91E–.02**	**7–10**		**53**	**0-3**
TIF	XI	14 06 23 27.8	41.18N	43.93E	10–1			¶621822727
ISK	XI	14 06 23 28.9	41.11N	43.90E	7–0	2.7L		
AFAD	XI	14 06 23 29.5	41.17N	43.78E	8–2	2.8L		
ISC	Event type ke.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XI**	**15 12 03 09.6–1.1**	**41.14N–.03**	**43.86E–.02**	**14–10**		**34**	**0-3**
NOGSR	XI	15 12 03 09.7	41.05N	43.81E	15–1	3.2		¶625008874
AZER	XI	15 12 03 10.8	40.77N	44.02E	5	2.6L		
AFAD	XI	15 12 03 10.1	41.14N	43.83E	7–4	2.2L		
ISC	Event type se.							
NOGSR	Event type se.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XI**	**11 22 55 05.7–1.2**	**41.02N–.02**	**43.76E–.02**	**6–10**		**50**	**0-3**
NOGSR	XI	11 22 55 05.8	41.00N	43.74E	8–0	3.1		¶621822521
ISK	XI	11 22 55 05.1	41.04N	43.84E	5–0	1.9L		
AFAD	XI	11 22 55 08.3	41.00N	43.65E	10–5	1.8L		
ISC	Event type ke.							
NOGSR	Event type se.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XI**	**19 19 55 10.0–.97**	**41.30N–.02**	**43.94E–.02**	**12–8**		**68**	**0-3**
NOGSR	XI	19 19 55 08.3	41.27N	43.97E	10–0	3.6		¶625008968
AZER	XI	19 19 55 09.8	41.19N	44.08E	10	2.6L		
AFAD	XI	19 19 55 12.3	41.29N	43.70E	6–5	2.0L		
ISC	Event type se.							
NOGSR	Event type se.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XI**	**20 01 54 19.8–.95**	**41.15N–.02**	**43.87E–.02**	**12–8**		**67**	**0-3**
ISK	XI	20 01 54 19.1	41.15N	43.89E	8–0	2.0L		¶621823135
NOGSR	XI	20 01 54 19.1	41.07N	43.67E	23–0	3.1		
AZER	XI	20 01 54 20.0	41.23N	44.05E	5	2.3L		
AFAD	XI	20 01 54 21.7	41.11N	43.61E	6–4	1.7L		
ISC	Event type ke.							
ISK	Event type ke.							
NOGSR	Event type se.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XI**	**29 17 35 51.1–1.1**	**41.11N–.02**	**43.87E–.03**	**7–10**		**42**	**0-3**
ISK	XI	29 17 35 48.5	41.21N	44.02E	2–0	2.2L		¶621494369
NOGSR	XI	29 17 35 50.0	41.07N	43.85E	11–0	3.4		
AFAD	XI	29 17 35 51.6	41.10N	43.80E	7–3	2.4L		
ISC	Event type ke.							
ISK	Event type ke.							
NOGSR	Event type se.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XI**	**26 03 21 43.2–.68**	**41.31N–.01**	**43.97E–.01**	**10**		**221**	**0-6**
ISK	XI	26 03 21 42.5	41.32N	43.98E	6–0	2.8L		¶621469756
TIF	XI	26 03 21 42.1	41.36N	43.95E	11–0	2.8L		
NOGSR	XI	26 03 21 43.6	41.19N	43.77E	24–0	4.0		
MOS	XI	26 03 21 43.6–1.5	41.30N	43.90E	10	3.8b		
AFAD	XI	26 03 21 43.7	41.31N	43.79E	2–3	2.6L		
DAGSR	XI	26 03 21 45.0	41.30N	43.98E	1	2.6L		
AZER	XI	26 03 21 46.7	41.33N	44.25E	2	3.1L		
ISC	Event type ke.							
ISK	Event type ke.							
NOGSR	Event type se.							
MOS	Error ellipse: s-maj=5.6km s-min=3.7km az=78.6.							
AFAD	Event type se. Presumed earthquake.							
DAGSR	Event type se.							
ISC	**XI**	**20 10 08 15.4–1.0**	**40.12N–.02**	**43.28E–.02**	**9–9**		**82**	**0-3**
NSSP	XI	20 10 08 13.7	40.12N	43.18E	10	3.3s		¶621823155
ISK	XI	20 10 08 14.9	40.12N	43.28E	5–0	3.0L		
TIF	XI	20 10 08 14.2	40.11N	43.31E	3–1	3.0L		
AFAD	XI	20 10 08 15.2	40.10N	43.29E	7–2	3.5W		
ISC	Event type ke.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XI**	**28 05 49 20.9–1.2**	**41.13N–.04**	**43.97E–.04**	**3–12**		**18**	**0-2**
NOGSR	XI	28 05 49 21.0	41.05N	43.84E	12–0	3.2		¶625047381
AZER	XI	28 05 49 22.9	41.04N	44.04E	10	2.1L		
ISC	Event type se.							
NOGSR	Event type se.							
ISC	**XII**	**04 10 01 21.7–1.1**	**41.17N–.03**	**43.98E–.03**	**5–11**		**41**	**0-3**
TIF	XII	04 10 01 21.2	41.18N	43.94E	9–0			¶622130551
AZER	XII	04 10 01 24.2	41.15N	44.12E	7	2.6L		
ISC	Event type se.							
ISC	**XII**	**14 12 46 20.2–1.2**	**41.42N–.03**	**43.94E–.03**	**10–10**		**30**	**0-2**
AFAD	XII	14 12 46 19.7	41.46N	43.93E	6–4	1.6L		¶621824649
NOGSR	XII	14 12 46 19.8	41.40N	44.06E	1–0	3.1		
ISK	XII	14 12 46 21.5	41.35N	43.96E	8–0	1.9L		
ISC	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
NOGSR	Event type se.							
ISK	Event type ke.							
ISC	**XII**	**07 16 02 59.5–.95**	**41.15N–.02**	**43.88E–.02**	**12–8**		**60**	**0-3**
AFAD	XII	07 16 02 58.8	41.15N	43.83E	7–5	2.6L		¶621824264
ISK	XII	07 16 02 59.7	41.12N	43.89E	4–0	2.5L		
TIF	XII	07 16 02 59.1	41.18N	43.90E	12–0	2.5L		
DAGSR	XII	07 16 03 03.4	41.05N	44.01E	5	2.5L		
ISC	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
ISK	Event type ke.							
DAGSR	Event type se.							
ISC	**XII**	**09 02 42 03.9–1.1**	**41.37N–.02**	**43.96E–.02**	**4–10**		**107**	**0-3**
TIF	XII	09 02 42 03.8	41.44N	43.99E	12–0			¶621824360
NOGSR	XII	09 02 42 03.7	41.34N	43.95E	16–0	3.9		
ISK	XII	09 02 42 05.9	41.33N	43.94E	9–0	2.6L		
AFAD	XII	09 02 42 05.9	41.30N	43.88E	5–4	2.5L		
DAGSR	XII	09 02 42 09.7	41.38N	44.49E	54	2.5L		
ISC	Event type ke.							
NOGSR	Event type se.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
DAGSR	Event type se.							
ISC	**XII**	**16 09 43 40.4–1.1**	**41.20N–.03**	**43.98E–.02**	**4–11**		**39**	**1-3**
AFAD	XII	16 09 43 41.7	41.19N	43.86E	6–2	2.0L		¶625009389
AZER	XII	16 09 43 41.0	41.33N	44.01E	8	2.6L		
DAGSR	XII	16 09 43 41.2	40.89N	44.20E	10	2.6L		
ISC	Event type se.							
AFAD	Event type se. Presumed earthquake.							
DAGSR	Event type se.							
ISC	**XII**	**15 21 00 06.3–.98**	**41.18N–.03**	**43.90E–.02**	**10–8**		**47**	**0-2**
ISK	XII	15 21 00 05.9	41.10N	43.90E	5–0	3.2L		¶621824708
TIF	XII	15 21 00 05.5	41.20N	43.93E	9–0	3.2L		
AFAD	XII	15 21 00 07.0	41.18N	43.80E	7–3	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XII**	**16 05 56 22.4–1.1**	**41.22N–.03**	**43.98E–.02**	**10–10**		**48**	**1-3**
AFAD	XII	16 05 56 22.3	41.20N	43.96E	5–4	2.2L		¶621824734
ISK	XII	16 05 56 25.7	41.00N	43.96E	9–0	2.1L		
AZER	XII	16 05 56 25.5	41.07N	44.02E	9	2.9L		
ISC	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
ISK	Event type ke.							
ISC	**XII**	**16 18 34 57.0–1.3**	**41.16N–.04**	**43.84E–.02**	**5–12**		**51**	**1-4**
DAGSR	XII	16 18 34 59.6	41.22N	43.76E	1			¶625009393
AFAD	XII	16 18 35 00.5	41.10N	43.71E	7–3	2.1L		
AZER	XII	16 18 35 01.1	41.13N	44.07E	10	2.7L		
ISC	Event type se.							
DAGSR	Event type se.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XII**	**16 20 24 17.5–1.3**	**41.18N–.03**	**43.82E–.02**	**22–6**		**67**	**1-4**
ISK	XII	16 20 24 15.8	41.15N	43.92E	2–0	2.3L		¶621824763
AZER	XII	16 20 24 17.7	41.25N	44.02E	2	2.7L		
DAGSR	XII	16 20 24 17.1	41.03N	44.12E	1	2.7L		
AFAD	XII	16 20 24 18.3	41.17N	43.72E	7–4	2.1L		
ISC	Event type ke.							
ISK	Event type ke.							
DAGSR	Event type se.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XII**	**17 07 10 11.4–.96**	**41.14N–.02**	**43.82E–.02**	**10–8**		**77**	**0-3**
AFAD	XII	17 07 10 10.8	41.16N	43.82E	5–2	2.6L		¶621824788
TIF	XII	17 07 10 10.8	41.13N	43.82E	9–1	2.6L		
ISK	XII	17 07 10 11.1	41.11N	43.84E	6–0	2.8L		
DAGSR	XII	17 07 10 13.3	40.75N	43.72E	17	2.8L		
ISC	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
ISK	Event type ke.							
DAGSR	Event type se.							
ISC	**XII**	**18 15 19 10.7–.94**	**41.16N–.02**	**43.86E–.02**	**15–7**		**45**	**0-2**
ISK	XII	18 15 19 10.0	41.16N	43.92E	8–0	2.1L		¶621824862
AFAD	XII	18 15 19 10.9	41.16N	43.84E	7–3	1.9L		
NOGSR	XII	18 15 19 10.2	41.04N	43.74E	18–0	3.2		
ISC	Event type ke.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
NOGSR	Event type se.							
ISC	**XII**	**22 07 40 20.8–1.2**	**41.32N–.03**	**43.96E–.02**	**4–11**		**37**	**0-2**
AZER	XII	22 07 40 19.7	41.21N	44.04E	2	2.6L		¶625009435
NOGSR	XII	22 07 40 20.9	41.35N	43.96E	8–0	3.3		
AFAD	XII	22 07 40 21.1	41.31N	43.90E	7–3	2.3L		
ISC	Event type se.							
NOGSR	Event type se.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XII**	**26 04 34 56.9–.95**	**41.28N–.03**	**43.91E–.02**	**16–8**		**40**	**0-2**
NOGSR	XII	26 04 34 54.6	41.30N	43.92E	23–0	3.2		¶625009490
AZER	XII	26 04 34 56.9	41.24N	44.01E	10	2.1L		
AFAD	XII	26 04 34 58.7	41.27N	43.67E	7–5	1.7L		
ISC	Event type se.							
NOGSR	Event type se.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XII**	**26 04 52 30.3–.91**	**41.28N–.02**	**43.91E–.02**	**17–7**		**50**	**0-3**
AFAD	XII	26 04 52 30.7	41.22N	43.88E	7–6	2.0L		¶625009491
NOGSR	XII	26 04 52 30.4	41.13N	43.85E	25–0	3.4		
AZER	XII	26 04 52 31.7	41.13N	44.17E	2	2.3L		
ISC	Event type se.							
AFAD	Event type se. Presumed earthquake.							
NOGSR	Event type se.							
AFAD	**XII**	**30 08 04 14.8**	**41.81N**	**42.50E**	**7–4**	**1.8L**		
								¶636098890
AFAD	Event type se. Presumed earthquake.							
ISC	**XII**	**30 20 00 10.1–1.1**	**41.40N–.02**	**43.93E–.03**	**13–10**		**32**	**0-2**
NOGSR	XII	30 20 00 10.1	41.39N	44.01E	15–0	3.2		¶625009584
DAGSR	XII	30 20 00 10.1	41.38N	43.83E	50	3.2		
AFAD	XII	30 20 00 12.2	41.35N	43.78E	7–5	1.8L		
ISC	Event type se.							
NOGSR	Event type se.							
DAGSR	Event type se.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XII**	**30 09 28 15.6–1.0**	**41.14N–.02**	**43.96E–.02**	**8–9**		**60**	**0-4**
NOGSR	XII	30 09 28 15.9	41.03N	43.80E	13–0	3.3		¶621816588
ISK	XII	30 09 28 16.3	41.07N	43.90E	12–0	2.0L		
AFAD	XII	30 09 28 16.5	41.16N	43.84E	6–3	1.9L		
AZER	XII	30 09 28 19.7	40.95N	44.17E	2	2.2L		
ISC	Event type ke.							
NOGSR	Event type se.							
ISK	Event type ke.							
AFAD	Event type se. Presumed earthquake.							
ISC	**XII**	**30 20 47 03.7–1.1**	**41.38N–.03**	**43.98E–.02**	**9–10**		**43**	**0-2**
NOGSR	XII	30 20 47 02.7	41.38N	44.02E	15–1	3.1		¶625009585
AZER	XII	30 20 47 03.7	41.18N	44.23E	2	1.8L		
AFAD	XII	30 20 47 06.0	41.35N	43.81E	8–4	1.7L		
ISC	Event type se.							
NOGSR	Event type se.							
AFAD	Event type se. Presumed earthquake.							

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ATH	**VII**	**02 01 21 18.3**	**37.64N**	**24.17E**	**9–1**	**1.3L**		
								¶626138696
ATH	Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/02 01:22:29, This location: 2021/07/02 01:26:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.							
ISC	**VII**	**02 22 22 11.9–.76**	**37.94N–.02**	**21.49E–.01**	**18–2**	**3.7b**	**288**	**0-60**
IDC	VII	02 22 22 09.8–.79	38.08N	21.62E	0	3.8b,3.7		¶625005711
SOF	VII	02 22 22 09.9	37.89N–.04	21.41E–.02	5–5	3.9,3.7		
THE	VII	02 22 22 11.8	38N–1.0	21.5E–.70	23–0	3.8,3.8		
BEO	VII	02 22 22 12.4–.70	37.85N	21.27E	16–4	3.4L,3.8		
ATH	VII	02 22 22 12.1	37.93N	21.53E	12–0	3.6L,3.8		
NAO	VII	02 22 22 20.8	38.08N	21.61E	10	3.6b,3.8		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=14.7km s-min=11.2km az=19.0.							
SOF	Event type ke.							
BEO	Event type ke.							
ATH	Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/02 22:23:03, This location: 2021/08/30 10:28:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.							
ISC	**VII**	**03 04 20 43.4–1.2**	**36.53N–.04**	**21.59E–.05**	**32–7**	**3.5b**	**105**	**0-46**
IDC	VII	03 04 20 34.9–18	36.21N	21.50E	0	3.6b,3.6		¶620927788
ATH	VII	03 04 20 44.8	36.53N	21.72E	17–1	3.1L,3.6		
THE	VII	03 04 20 44.5	37N–2.0	22E–4.0	10	3.0,3.0		
ISC	Event type ke.							
ATH	Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/03 04:21:08, This location: 2021/07/03 11:32:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.							
ISC	**VII**	**08 01 16 56.2–.70**	**37.91N–.02**	**21.01E–.01**	**15–4**	**4.2b,3.4s**	**502**	**0-122**
IDC	VII	08 01 16 54.0–.54	38.03N	21.06E	0	4.1b,3.9		¶620772585
PDG	VII	08 01 16 55.4–.36	37.88N	21.03E	26–0	4.3L,3.9		
BEO	VII	08 01 16 55.8–.60	37.76N	20.68E	17–4	3.9L,3.9		
NEIC	VII	08 01 16 56.3–1.6	37.92N–.05	20.95E–.05	10–1	4.4b,3.9		
ATH	VII	08 01 16 56.1	37.92N	21.03E	20–0	4.3L,3.9		
THE	VII	08 01 16 56.6	38N–1.0	21.0E–.60	21–1	4.4,4.4		
GFZ	VII	08 01 16 56.3–.32	38N–3.0	21E–3.0	10	4.3b,4.1W		
MED_R	VII	08 01 16 56.0	37.91N	21.01E	15	4.2W,4.1W		
MCSM	VII	08 01 16 57.5–.60	38N–7.0	21E–4.0	11–3	4.6b,4.3b		
NAO	VII	08 01 17 03.0	38.03N	21.06E	10	3.9b,4.3b		
SOF	VII	08 01 17 19.6	39.37N–.04	22.29E–.06	10–19	3.6,4.3b		
ISC	Event type ke.							

PDG Event type ke.
BEO Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/08 01:17:49, This location: 2021/07/08 01:48:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-0.47±.29 $M_{\theta\theta}$2.70±.21; $M_{\phi\phi}$0.00±.17; $M_{r\theta}$-1.24±.46; $M_{\theta\phi}$0.79±.19; $M_{\phi r}$-0.63±.47; NP1: ϕ_s308.00000°,δ66.00000°,λ4.00000°. NP2:ϕ_s217.00000°,δ87.00000°,λ155.00000°. Principal axes: T 3.2900,Plg20.0000°,Azm170.0000°; N -0.8300,Plg65.0000°,Azm29.0000° ; P -2.4700,Plg15.0000°,Azm265.0000° $M_0$2.88000×10^{15}
SOF Event type ke.

ISC	VII	**08 17 06 31.3–.81**	**37.99N–.01**	**22.00E–.01**	**9–5**	**3.4b**	**219**	**0-45**	
THE	VII	08 17 06 31.0	38.0N–.50	22.0E–.50	10–2	3.1,3.1			**¶620928190**
ATH	VII	08 17 06 31.0	37.98N	21.98E	6–0	3.2L,3.1			
IDC	VII	08 17 06 36.5–3.4	38.95N	22.40E	0	3.5b,3.4			

ISC Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/08 17:07:23, This location: 2021/08/23 09:19:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=61.9km s-min=27.5km az=20.0.

ISC	VII	**09 20 08 39.5–.58**	**36.27N–.02**	**23.16E–.02**	**15–3**	**4.1b**	**396**	**0-120**	
ISK	VII	09 20 08 38.8	36.34N	23.25E	5–0	3.8L			**¶620787635**
IDC	VII	09 20 08 39.3–.90	36.45N	23.38E	0	3.8b,3.7			
ATH	VII	09 20 08 40.6	36.27N	23.19E	11–1	3.9L,3.7			
THE	VII	09 20 08 40.8	36N–1.0	23E–2.0	7–1	3.9,3.9			
NEIC	VII	09 20 08 42.5–1.8	36.26N–.05	23.24E–.07	37–9	4.2b,3.9			
PDG	VII	09 20 08 49.3–.30	36.94N	22.64E	6–11	4.0L,3.9			
NAO	VII	09 20 08 56.5	37.00N	18.30E	33	3.2b,3.9			

ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=9.7km az=26.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/09 20:09:49, This location: 2021/08/23 09:35:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.0km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=16.1km s-min=17.0km az=0.0.

ISC	VII	**23 04 04 01.2–1.6**	**36.65N–.05**	**21.61E–.05**	**10–8**		**49**	**0-2**	
THE	VII	23 04 04 01.4	37N–1.0	22E–2.0	0–1	2.8,2.8			**¶621800161**
ATH	VII	23 04 04 01.4	36.66N	21.62E	13–1	2.9L,2.8			

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/07/23 04:05:12, This location: 2021/07/23 04:11:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	VIII	**05 08 49 30.5–.58**	**37.64N–.01**	**21.53E–.01**	**18–3**	**4.3b,3.1s**	**530**	**0-127**	
NAO	VIII	05 08 49 19.9	37.27N	25.20E	10	4.4b,3.1s			**¶620969580**
MOS	VIII	05 08 49 28.6–1.0	37.51N	21.42E	23	4.4b,3.1s			
MCSM	VIII	05 08 49 28.2–1.0	37N–9.0	21E–7.0	26–4	4.3b,4.1			
PDG	VIII	05 08 49 29.4–.62	37.64N	21.54E	18–0	4.0L,4.1			
THE	VIII	05 08 49 30.4	37.6N–.60	21.5E–.70	16–1	4.1,4.1			
ATH	VIII	05 08 49 30.1	37.64N	21.54E	17–0	4.0L,4.1			
BEO	VIII	05 08 49 30.9–.50	37.68N	21.35E	0	3.9L,4.1			
UPSL	VIII	05 08 49 31.7	37.64N	21.54E	12	3.9W,4.1			
NEIC	VIII	05 08 49 31.3–1.6	37.59N–.04	21.45E–.06	24–7	4.4b,4.1			
GFZ	VIII	05 08 49 31.9–.28	38N–3.0	21E–3.0	10	4.7,4.6b			
IDC	VIII	05 08 49 33.2–1.2	37.64N	21.55E	43–12	4.1,3.9b			

ISC Event type ke.
NAO Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=7.5km s-min=4.6km az=75.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/05 08:50:24, This location: 2021/08/05 09:15:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
UPSL Moment Tensor Solution. s8 Moment tensor: M_{rr}2.72 $M_{\theta\theta}$4.34 $M_{\phi\phi}$-7.06 $M_{r\theta}$-4.44 $M_{\theta\phi}$2.84 $M_{\phi r}$-2.65 NP1:ϕ_s309.00000°,δ56.00000°,λ23.00000°. NP2:ϕ_s206.00000°,δ71.00000° ,λ143.00000°.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=2.3km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=11.7km s-min=8.9km az=11.0.

ISC	VII	**26 12 41 37.1–.91**	**37.89N–.02**	**21.07E–.02**	**23–7**		**102**	**0-1**	
ATH	VII	26 12 41 36.5	37.88N	21.08E	27–1	2.6L			**¶621800252**
THE	VII	26 12 41 37.1	37.9N–.90	21.1E–.80	17–1	2.5,2.5			

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/07/26 12:42:32, This location: 2021/07/26 12:54:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	VIII	**16 05 31 38.7–.78**	**37.40N–.02**	**22.11E–.01**	**15–5**	**4.0b**	**319**	**0-66**	
NAO	VIII	16 05 30 50.2	32.38N	26.67E	33	4.0b			**¶620987303**
IDC	VIII	16 05 31 37.4–.85	37.43N	22.11E	0	3.7b,3.7			
NEIC	VIII	16 05 31 37.7–.69	37.50N–.04	22.05E–.07	10–1	4.3b,3.7			
BEO	VIII	16 05 31 37.9–.70	37.25N	22.09E	0	3.5L,3.7			
PDG	VIII	16 05 31 38.9–.60	37.44N	22.13E	7–1	3.7L,3.7			
THE	VIII	16 05 31 38.8	37.4N–.60	22.1E–.80	0–2	3.7,3.7			
ATH	VIII	16 05 31 39.0	37.39N	22.13E	5–1	3.6L,3.7			

ISC Event type ke.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=15.4km s-min=13.0km az=33.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.3km az=281.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/16 05:32:37, This location: 2021/08/16 05:55:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	VIII	**05 08 39 52.2–.84**	**37.65N–.02**	**21.55E–.02**	**18–5**	**3.8b**	**170**	**0-45**	
NAO	VIII	05 08 39 35.2	36.71N	25.88E	10	4.0b			**¶620998797**
IDC	VIII	05 08 39 49.6–.99	37.75N	21.58E	0	3.6b,3.5			
ATH	VIII	05 08 39 52.3	37.64N	21.53E	22–1	3.5L,3.5			
PDG	VIII	05 08 39 52.6–.43	37.66N	21.51E	15–1	3.6L,3.5			
THE	VIII	05 08 39 52.5	37.6N–.70	21.5E–.90	16–1	3.4,3.4			
BEO	VIII	05 08 39 53.4–.90	37.71N	21.49E	0	3.6L,3.4			

ISC Event type ke.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=19.2km s-min=13.7km az=44.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/05 08:40:47, This location: 2021/08/05 08:59:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.
BEO Event type ke.

ISC	VIII	**30 21 06 35.0–.66**	**37.85N–.01**	**23.11E–.01**	**20–2**	**4.3b,3.0s**	**738**	**0-121**	
NAO	VIII	30 21 06 23.8	36.69N	24.62E	33	3.7b,3.0s			**¶621011118**
ISK	VIII	30 21 06 31.9	37.91N	23.12E	2–0	4.1L,3.0s			
IDC	VIII	30 21 06 31.6–.48	37.81N	23.09E	0	4.0b,3.9			
SOF	VIII	30 21 06 31.1	37.85N–.01	23.16E–.02	2–7	4.5,3.9			
AFAD	VIII	30 21 06 33.2	37.86N	23.22E	12–4	4.0W,3.9			
NEIC	VIII	30 21 06 34.0–1.6	37.86N–.04	23.08E–.06	10–1	4.4b,3.9			
THE	VIII	30 21 06 34.9	37.9N–.60	23.1E–.70	9–1	4.0,4.0			
ATH	VIII	30 21 06 34.6	37.85N	23.11E	14–0	4.1L,4.0			
PDG	VIII	30 21 06 34.3–.47	37.87N	23.13E	18–0	4.0L,4.0			
MCSM	VIII	30 21 06 34.6–.60	38N–5.0	23E–3.0	9–4	4.4b,4.3b			
GFZ	VIII	30 21 06 35.7	37.89N	23.13E	10	4.1W,4.3b			
GFZ	VIII	30 21 06 35.7–.18	38N–2.0	23E–2.0	10	4.4b,4.2			
BEO	VIII	30 21 06 36.7–.50	37.84N	23.12E	24–6	3.8L,4.2			

ISC Event type ke.
NAO Event type se. Presumed earthquake.
ISK Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=7.6km az=35.0.
SOF Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.3km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/30 21:07:24, This location: 2021/08/30 21:25:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.63 $M_{\theta\theta}$1.60 $M_{\phi\phi}$0.03 $M_{r\theta}$0.37 $M_{\theta\phi}$-0.52 $M_{\phi r}$0.37 NP1: ϕ_s121.82478°,δ42.89991°,λ-66.98392°. NP2:ϕ_s271.71511°,δ51.20534°,λ-109.96753°. Principal axes: T 1.7758,Plg4.2991°,Azm15.7286°; N 0.0009,Plg15.4355°,Azm284.5392° ; P -1.7767,Plg73.9480°,Azm120.8738° $M_0$1.77623×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BEO Event type ke.

ISC	X	**05 18 19 32.1–1.1**	**36.21N–.05**	**24.34E–.05**	**10**		**20**	**1-4**	
THE	X	05 18 19 33.7	36N–26	24E–29	71–26	2.7,2.7			**¶621801864**
ATH	X	05 18 19 52.3	35.19N	25.25E	11–1	1.1L,2.7			

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/05 18:39:23, This location: 2021/10/05 18:41:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	IX	**10 20 00 48.9–1.0**	**36.74N–.03**	**21.71E–.03**	**11–6**	**3.5b**	**147**	**0-46**	
NAO	IX	10 20 00 41.4	35.79N	22.49E	33	3.1b			**¶621061017**
IDC	IX	10 20 00 47.8–6.1	36.97N	22.18E	0	3.4b,3.4			
ATH	IX	10 20 00 49.3	36.72N	21.68E	9–1	3.1L,3.4			
THE	IX	10 20 00 49.2	37N–2.0	22E–1.0	0–1	3.0,3.0			

ISC Event type ke.
NAO Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/09/10 20:01:56, This location: 2021/09/11 03:19:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	X	**13 18 22 53.8–.62**	**36.04N–.03**	**21.66E–.03**	**32–4**	**4.4b,3.6s**	**627**	**1-126**	
MOS	X	13 18 22 49.3–1.3	36.08N	21.61E	11	4.7b,3.6s			**¶621147923**
NEIC	X	13 18 22 51.2–1.6	36.06N–.07	21.73E–.06	10–1	4.4b,3.6s			
GFZ	X	13 18 22 52.0–.26	36N–3.0	22E–2.0	10	5.0b,4.7			
MCSM	X	13 18 22 53.7–2.6	36N–5.0	22E–4.0	25–26	5.5b,5.0			
BEO	X	13 18 22 53.2–.70	36.13N	21.52E	0	3.9L,5.0			
IDC	X	13 18 22 54.5–1.7	36.07N	21.78E	34–14	4.2b,4.2			
PDG	X	13 18 22 54.7–.72	36.01N	21.68E	34–3	4.3L,4.2			
NAO	X	13 18 22 55.1	36.07N	21.78E	33	3.6b,4.2			
THE	X	13 18 22 55.3	36N–3.0	22E–4.0	18–14	4.1,4.1			
ATH	X	13 18 22 55.5	36.05N	21.77E	22–8	4.1L,4.1			

ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=3.8km az=70.8.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.9km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BEO Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=8.1km az=14.0.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=2.0km az=0.0.
NAO Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/13 18:24:08, This location: 2021/10/13 19:03:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	X	**09 15 21 15.4–.69**	**37.11N–.03**	**21.50E–.03**	**23**	**3.7b**	**135**	**0-121**	
IDC	X	09 15 21 10.9–2.0	37.27N	21.56E	0	3.7s,3.6b			**¶621235331**
THE	X	09 15 21 18.3	37N–2.0	22E–2.0	37–3	3.1,3.1			
ATH	X	09 15 21 18.1	37.13N	21.52E	29–1	3.1L,3.1			

ISC Event type ke.
IDC Error ellipse: s-maj=49.5km s-min=16.1km az=48.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/09 15:22:19, This location: 2021/10/09 15:29:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	XI	**05 23 14 20.9–.78**	**37.86N–.02**	**21.09E–.02**	**21–1**	**3.7b**	**229**	**0-46**	
BEO	XI	05 23 14 19.9–.60	37.83N	20.83E	7–4	3.2L			**¶621414001**
THE	XI	05 23 14 20.6	37.9N–1.0	21.1E–.70	21–1	3.6,3.6			
ATH	XI	05 23 14 20.6	37.87N	21.08E	14–1	3.5L,3.6			
IDC	XI	05 23 14 24.7–1.3	37.50N	20.91E	82–23	3.5,3.3b			

ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/11/05 23:15:13, This location: 2022/05/23 14:29:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=27.1km s-min=11.0km az=18.0.

ATH	X	**18 14 01 04.2**	**37.96N**	**24.01E**	**27–0**	**1.7L**			**¶635735781**

ATH Event type ke. Manual Solution by D.Makaris First location: 2021/10/18 14:02:19, This location: 2022/05/03 17:41:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	XI	**07 00 20 20.3–1.0**	**37.04N–.02**	**23.19E–.02**	**9–7**	**3.8b**	**215**	**0-120**	
ISK	XI	07 00 20 18.5	37.11N	23.16E	2–0	3.7L			**¶621416011**
BEO	XI	07 00 20 20.7–.60	37.00N	23.21E	0	3.2L			
ATH	XI	07 00 20 20.7	37.02N	23.09E	15–0	3.5L			
IDC	XI	07 00 20 25.0–1.2	37.02N	23.18E	47–15	3.7,3.6b			
THE	XI	07 00 20 24.1	37N–2.0	23E–2.0	33–11	3.3,3.3			
AFAD	XI	07 00 20 31.3	37.56N	24.15E	7–5	3.8W,3.3			

ISC Event type ke.
ISK Event type ke.
BEO Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/11/07 00:21:19, This location: 2021/11/07 00:37:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=18.7km s-min=10.1km az=35.0.
AFAD Event type se. Presumed earthquake.

ISC	XII	**04 08 54 37.8–1.2**	**37.09N–.04**	**21.52E–.05**	**34–2**		**33**	**0-1**	
ATH	XII	04 08 54 37.6	37.09N	21.46E	29–1	2.7L			**¶622050621**
THE	XII	04 08 54 38.5	37N–2.0	21E–3.0	21–3	2.3,2.3			

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/04 08:55:46, This location: 2021/12/04 08:58:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	XI	**09 09 12 28.3–.53**	**36.46N–.03**	**23.05E–.02**	**56–4**	**4.1b**	**680**	**0-120**	
IDC	XI	09 09 12 27.4–1.1	36.30N	22.87E	65–14	4.0,3.7b			**¶621385321**
NEIC	XI	09 09 12 27.4–1.0	36.39N–.07	22.99E–.08	38–6	4.2b,3.7b			
ISK	XI	09 09 12 28.8	36.54N	23.08E	56–0	3.8L,3.7b			
PDG	XI	09 09 12 28.9–.52	36.43N	23.03E	56–0	4.1L,3.7b			
ATH	XI	09 09 12 30.4	36.47N	23.14E	48–1	4.3L,3.7b			
GFZ	XI	09 09 12 30.0–.23	36N–3.0	23E–3.0	38–5	5.4b,4.8			
THE	XI	09 09 12 30.1	36.5N–.70	23.1E–.80	56–1	4.4b,4.2			
MCSM	XI	09 09 12 30.2–2.9	37N–8.0	23E–4.0	30–43	4.6b,4.4b			
AFAD	XI	09 09 12 30.8	35.17N	23.82E	7–5	3.5L,4.4b			

ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=9.1km az=26.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.9km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.

ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/11/09 09:13:31, This location: 2021/11/09 09:37:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GFZ Error ellipse: s-maj=7.9km s-min=4.1km az=39.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC XI 21 00 03 24.3–.73 36.58N–.02 22.97E–.03 17–5 3.9b 193 0-45
IDC XI 21 00 03 19.4–1.1 36.40N 23.06E 0 3.8b,3.7 **¶621440125**
ISK XI 21 00 03 23.1 36.67N 23.03E 11–0 3.5L,3.7
THE XI 21 00 03 24.7 36.6N–.90 23E–2.0 11–1 3.7,3.7
ATH XI 21 00 03 24.4 36.59N 23.04E 12–1 3.7L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=11.1km az=19.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/11/21 00:04:26, This location: 2021/11/21 00:23:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
THE XI 24 20 01 03.9 37.2N–.80 23E–1.0 3–2 2.1,2.1
¶635891163
ISC XI 19 11 10 01.1–1.2 36.60N–.03 21.28E–.03 18–6 4.1b 195 0-69
IDC XI 19 11 09 56.5–5.5 36.29N 21.04E 0 3.8b,3.6 **¶621590288**
THE XI 19 11 10 02.4 37N–2.0 21E–2.0 0–1 3.3,3.3
ATH XI 19 11 10 03.4 36.63N 21.31E 7–0 3.5L,3.3
NEIC XI 19 11 10 03.1–.96 36.64N–.08 21.36E–.08 31–7 4.2b,3.3
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/11/19 11:11:11, This location: 2021/11/19 11:21:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 28 10 44 50.9–.82 37.41N–.03 23.11E–.03 88–5 3.6b 170 0-120
IDC XI 28 10 44 38.0–1.6 36.78N 23.37E 0 3.6b,3.5 **¶621625174**
ATH XI 28 10 44 51.6 37.42N 23.12E 83–1 3.4L,3.5
THE XI 28 10 44 52.9 37.4N–.90 23.1E–.90 72–2 3.3,3.3
BEO XI 28 10 44 52.8–.80 37.64N 22.79E 0 2.8L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=25.2km az=20.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/11/28 10:45:48, This location: 2021/11/28 10:51:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
BEO Event type ke.
ISC XII 03 19 33 33.4–.71 37.11N–.02 21.48E–.02 29–5 4.2b,3.6s 366 0-94
MED_R XII 03 19 33 31.0 36.82N 21.39E 20 4.3W,3.6s **¶621612047**
IDC XII 03 19 33 31.3–.65 37.22N 21.54E 0 3.9b,3.8
NEIC XII 03 19 33 33.3–2.2 37.04N–.06 21.48E–.06 30–3 4.4b,3.8
ATH XII 03 19 33 34.1 37.12N 21.48E 16–1 4.1L,3.8
BEO XII 03 19 33 34.9–.60 37.17N 21.21E 13–6 4.1L,3.8
THE XII 03 19 33 34.1 37N–4.0 21E–3.0 22–7 4.2,4.2
ISC Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}0.02±.74 $M_{\theta\theta}$3.74±.43; $M_{\phi\phi}$0.00±.46; $M_{r\theta}$-1.28±.44; $M_{\theta\phi}$1.33±.34; $M_{\phi r}$0.49±.62; NP1: ϕ_s215.00000°,δ72.00000°,λ176.00000°. NP2:ϕ_s306.00000°,δ86.00000°,λ18.00000°. Principal axes: T 4.3000,Plg16.0000°,Azm172.0000°; N -0.1800,Plg71.0000°,Azm317.0000° ; P -4.1100,Plg10.0000°,Azm79.0000° M_o4.21000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/12/03 19:34:38, This location: 2021/12/03 20:02:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
ISC XII 11 11 21 16.9–.98 36.85N–.02 23.62E–.02 16–8 3.8b 123 0-44
IDC XII 11 11 21 16.3–3.6 37.22N 23.83E 0 3.7b,3.7 **¶621644184**
ATH XII 11 11 21 17.0 36.85N 23.61E 18–1 3.5L,3.7
THE XII 11 11 21 18.0 36.9N–1.0 23.6E–.90 14–2 3.6,3.6
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/11 11:22:17, This location: 2021/12/11 11:35:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XII 10 02 50 00.8–1.4 36.11N–.05 21.93E–.04 15–8 3.9b 88 1-97
IDC XII 10 02 49 57.8–1.6 36.12N 21.88E 0 3.8b,3.7 **¶621644097**
ATH XII 10 02 50 00.1 36.09N 21.91E 13–4 3.3L,3.7
THE XII 10 02 50 01.3 36N–2.0 22E–3.0 0–2 3.2,3.2
BEO XII 10 02 50 03.2–.70 36.19N 22.00E 10 3.8L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=49.9km s-min=27.7km az=129.0.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/10 02:51:14, This location: 2021/12/10 02:57:07 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
BEO Event type ke.
ISC XII 17 23 28 03.4–.42 37.89N–.01 21.05E–.01 18–2 4.4b,3.5s 764 0-122
MOS XII 17 23 28 00.4–1.3 37.82N 20.92E 11 4.6b,3.5s **¶621633305**
IDC XII 17 23 28 00.7–.53 37.92N 21.10E 0 4.1b,4.1
NAO XII 17 23 28 01.8 37.92N 21.09E 10 4.8b,4.1
NEIC XII 17 23 28 02.2–2.2 37.81N–.04 20.99E–.06 10–1 4.4b,4.1
THE XII 17 23 28 02.9 37.9N–.70 21.1E–.70 21–1 4.6,4.6
BEO XII 17 23 28 02.2–.40 37.77N 20.83E 12–4 4.3L,4.6
MED_R XII 17 23 28 02.0 37.89N 21.12E 26 4.6W,4.6
MCSM XII 17 23 28 03.4–.60 38N–5.0 21E–3.0 11–4 4.6,4.4b
PDG XII 17 23 28 03.3–.42 37.88N 20.97E 24–0 4.4L,4.4b
ATH XII 17 23 28 03.5 37.92N 21.11E 8–1 4.4L,4.4b
GFZ XII 17 23 28 04.8–.22 38N–2.0 21E–2.0 10 5.5,5.3
ISC Event type ke.
NAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.12±.14 $M_{\theta\theta}$0.82±.09; $M_{\phi\phi}$0.00±.07; $M_{r\theta}$0.01±.08; $M_{\theta\phi}$0.09±.07; $M_{\phi r}$-0.40±.10; NP1: ϕ_s308.00000°,δ71.00000°,λ-19.00000°. NP2:ϕ_s45.00000°,δ72.00000°,λ-160.00000°. Principal axes: T 0.8200,Plg1.0000°,Azm176.0000°; N 0.0800,Plg63.0000°,Azm84.0000° ; P -0.9000,Plg27.0000°,Azm267.0000° M_o0.86000×10^{16}
PDG Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/12/17 23:28:54, This location: 2021/12/18 00:06:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 15 23 35 59.5–.99 37.78N–.02 22.20E–.02 6–8 3.9b 155 0-47
IDC XII 15 23 35 58.1–3.7 37.63N 22.31E 0 3.7b,3.7 **¶621654156**
ATH XII 15 23 35 59.1 37.78N 22.20E 7–1 3.2L,3.7
THE XII 15 23 35 59.5 37.8N–.80 22.2E–.60 1–1 3.1,3.1
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/15 23:36:51, This location: 2021/12/15 23:52:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XII 22 10 53 13.7–1.1 36.50N–.04 21.58E–.04 19–3 4.0s,3.8b 150 0-121
IDC XII 22 10 53 10.2–2.1 36.58N 21.77E 0 3.8b,3.8 **¶621686765**
ATH XII 22 10 53 16.7 36.56N 21.74E 18–2 3.5L,3.8
THE XII 22 10 53 17.2 37N–2.0 22E–2.0 19–2 3.4,3.4
ISC Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/12/22 10:54:23, This location: 2022/05/23 14:54:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISC XII 18 05 16 39.1–.24 36.11N–.02 23.15E–.02 62–1 5.0b 1598 0-126
GII XII 18 05 16 32.8–.00 36.02N 23.08E 0 5.2 **¶621633372**
BJI XII 18 05 16 35.4 36.22N 22.94E 60 5.4b,5.0b
NAO XII 18 05 16 36.4 36.08N 23.25E 33 4.8b,5.0b
MCSM XII 18 05 16 37.4–1.2 36N–8.0 23E–3.0 53–9 5.5,5.2b
IDC XII 18 05 16 37.5–1.1 36.08N 23.25E 48–9 4.9,4.6L
GFZ XII 18 05 16 38.5 36.01N 23.09E 48 4.9W,4.6L
ISK XII 18 05 16 38.5 36.19N 23.20E 68–0 5.1L,4.6L
MED_R XII 18 05 16 38.0 36.02N 23.08E 46 5.0W,4.6L
MOS XII 18 05 16 38.6–1.2 36.12N 23.18E 73 5.3b,4.6L
GFZ XII 18 05 16 38.3–.20 36N–2.0 23E–1.0 51–2 5.4L,5.4b
ATH XII 18 05 16 39.8 36.08N 23.22E 58–1 5.4L,5.4b
NEIC XII 18 05 16 39.7–1.1 36.09N–.07 23.24E–.07 64–5 5.1b,4.9
NEIC XII 18 05 16 39.7 36.09N 23.25E 63 5.1b,4.9
BEO XII 18 05 16 39.8–.40 36.21N 22.58E 10 4.6L,4.9
THE XII 18 05 16 40.6 36N–1.0 23E–2.0 52–2 5.3,5.3
NEIC XII 18 05 16 40.1 36.11N 23.27E 67 5.3,5.3
PDG XII 18 05 16 40.3–.50 36.04N 23.16E 60–2 5.2,5.1L
GCMT XII 18 05 16 41.0–.30 35.94N–.02 22.89E–.02 44–1 5.0W,5.1L
AFAD XII 18 05 16 44.6 36.72N 23.80E 3–3 4.5W,5.1L
NEIC XII 18 05 16 46.5 35.89N 23.13E 50 5.0,5.1L
BGR XII 18 05 16 50.3 37.08N 22.48E 33 3.6s,5.1L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=11.6km s-min=9.3km az=169.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.13 $M_{\theta\theta}$1.85 $M_{\phi\phi}$-1.98 $M_{r\theta}$0.60 $M_{\theta\phi}$-1.39 $M_{\phi r}$0.14 NP1: ϕ_s153.51836°,δ75.61880°,λ4.27880°. NP2:ϕ_s62.45377°,δ85.85551°,λ165.58028°. Principal axes: T 2.4259,Plg13.1046°,Azm17.1334°; N 0.0475,Plg75.0086°,Azm226.7542° ; P -2.4734,Plg7.1531°,Azm108.8076° M_o2.45001×10^{16}
ISK Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-1.17±.29 $M_{\theta\theta}$1.80±.19; $M_{\phi\phi}$0.00±.20; $M_{r\theta}$0.66±.13; $M_{\theta\phi}$-3.64±.15; $M_{\phi r}$-0.55±.12; NP1: ϕ_s80.00000°,δ83.00000°,λ175.00000°. NP2:ϕ_s171.00000°,δ85.00000°,λ7.00000°. Principal axes: T 4.5500,Plg9.0000°,Azm36.0000°; N -1.3000,Plg81.0000°,Azm205.0000° ; P -3.2500,Plg2.0000°,Azm306.0000° M_o3.90000×10^{16}
MOS Error ellipse: s-maj=4.4km s-min=2.3km az=84.2.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/18 05:17:42, This location: 2021/12/18 06:06:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.7km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.21 $M_{\theta\theta}$2.11 $M_{\phi\phi}$-2.32 $M_{r\theta}$-0.78 $M_{\theta\phi}$-2.29 $M_{\phi r}$0.60 NP1:ϕ_s339.15000°,δ81.14000°,λ15.06000°. NP2:ϕ_s246.78000°,δ75.13000° ,λ170.83000°. Principal axes: T 3.3648,Plg17.0000°,Azm204.0000°; N -0.0595,Plg73.0000° ,Azm9.0000°; P -3.3052,Plg4.0000°,Azm112.0000° M_o3.34000×10^{16}
NEIC Event type se.
BEO Event type ke.
NEIC Event type se.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=2.0km az=0.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112180516A. Moment Tensor Solution. s33,c35; s88,c129; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.63±.22 $M_{\theta\theta}$1.46±.14; $M_{\phi\phi}$-0.82±.14; $M_{r\theta}$0.49±.12; $M_{\theta\phi}$-3.58±.11; $M_{\phi r}$-0.55±.11; Best double couple: NP1:ϕ_s81.00000°,δ82.00000° ,λ176.00000°. NP2:ϕ_s171.00000°,δ86.00000°,λ8.00000°. Principal axes: T 4.1840,Plg9.0000°,Azm36.0000°; N -0.7320,Plg81.0000°,Azm195.0000° ; P -3.4490,Plg3.0000°,Azm306.0000° M_o3.81600×10^{16}
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.09 $M_{\theta\theta}$2.10 $M_{\phi\phi}$-2.01 $M_{r\theta}$0.59 $M_{\theta\phi}$-3.30 $M_{\phi r}$-0.36 NP1:ϕ_s73.65000°,δ82.97000° ,λ173.52000°. NP2:ϕ_s164.45000°,δ83.57000°,λ7.08000°. Principal axes: T 4.0487,Plg10.0000°,Azm29.0000°; N -0.2029,Plg80.0000°,Azm207.0000° ; P -3.8458,Plg0.0000°,Azm299.0000° M_o3.95000×10^{16}
BGR Event type ke.
ISC XII 31 22 32 20.5–1.1 36.70N–.04 21.38E–.04 32–5 3.8b 202 0-75
IDC XII 31 22 32 17.7–1.9 36.84N 21.87E 0 3.5b,3.4 **¶621657802**
NEIC XII 31 22 32 17.3–1.1 36.59N–.05 21.4E–.10 10–2 4.3b,3.4
PDG XII 31 22 32 19.5–.89 36.55N 21.22E 21–3 3.9L,3.4
ATH XII 31 22 32 20.4 36.61N 21.42E 10–2 3.3L,3.4
BEO XII 31 22 32 21.0–.60 36.63N 21.10E 20 3.4L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=20.5km az=7.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=4.4km az=241.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=2.4km s-min=2.4km az=90.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/12/31 22:33:27, This location: 2021/12/31 23:43:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
BEO Event type ke.
ATH XII 27 03 06 47.9 37.61N 21.85E 26–1 1.9L
¶622050830
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/27 03:07:39, This location: 2021/12/27 08:18:46 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

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ISC VII 01 05 20 57.6–.84 37.81N–.02 26.86E–.03 10–6 46 0-3
ISK VII 01 05 20 56.5 37.77N 26.81E 3–0 2.7L **¶621193841**
AFAD VII 01 05 20 57.3 37.82N 26.87E 7–1 2.5L
THE VII 01 05 20 57.4 38N–2.0 27E–2.0 11–2 1.5,1.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 01 10 19 34.3–.92 36.42N–.02 27.64E–.02 17–7 66 0-2
AFAD VII 01 10 19 33.3 36.38N 27.67E 14–1 2.8L **¶621193856**
ISK VII 01 10 19 34.2 36.41N 27.66E 10–0 2.8L
THE VII 01 10 19 34.6 36N–1.0 28E–2.0 14–3 2.4,2.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
THE VII 01 14 17 11.1 36N–7.0 26E–13 109–12 2.4,2.4
ATH VII 01 14 17 09.2 36.11N 26.10E 117–3 2.6L,2.4 **¶621193864**
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/01 14:18:25, This location: 2021/07/01 14:44:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD VII 01 14 17 17.8 37.91N 26.92E 7–2 1.3L
ISK VII 01 14 17 16.1 37.75N 26.77E 12–0 1.5L **¶626517541**
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
THE VII 03 13 19 50.0 36N–2.0 27E–5.0 7–6 3.0,3.0
ATH VII 03 13 19 49.6 36.38N 27.06E 16–1 3.0L,3.0 **¶621193976**
ISK VII 03 13 19 49.5 36.40N 27.04E 14–0 2.7L,3.0
AFAD VII 03 13 19 49.5 36.38N 27.14E 15–2 2.6L,3.0
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/03 13:21:29, This location: 2021/07/03 13:27:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 03 14 25 41.7–.95 36.34N–.02 27.07E–.02 12–7 63 0-5
ATH VII 03 14 25 41.5 36.33N 27.06E 11–2 2.5L **¶621193979**
THE VII 03 14 25 42.0 36N–2.0 27E–2.0 10 2.5,2.5
ISK VII 03 14 25 42.6 36.26N 27.13E 23–0 2.4L,2.5
AFAD VII 03 14 25 43.3 36.41N 27.15E 6–2 2.0L,2.5
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/03 14:27:20, This location: 2021/07/03 14:45:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 04 04 33 39.3–.82 37.88N–.02 26.84E–.02 13–6 73 0-4
ISK VII 04 04 33 38.4 37.87N 26.83E 3–0 2.7L **¶621194002**
THE VII 04 04 33 38.9 38N–5.0 27E–5.0 1–4 2.5,2.5

AFAD VII 04 04 33 39.0 37.88N 26.86E 7–2 2.9L,2.5
ATH VII 04 04 33 39.2 37.82N 26.80E 16–1 2.9L,2.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/04 04:35:22, This location: 2021/07/04 04:43:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISC VII 04 06 25 30.3–.80 37.91N–.02 26.66E–.02 17–5 63 0-3
AFAD VII 04 06 25 30.6 37.93N 26.69E 7–2 2.6L **¶621194005**
ATH VII 04 06 25 30.3 37.87N 26.65E 18–1 2.8L
ISK VII 04 06 25 30.2 37.95N 26.70E 4–0 2.8L
THE VII 04 06 25 30.6 38N–4.0 27E–5.0 14–2 2.6,2.6
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/04 06:27:27, This location: 2021/07/04 06:41:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC VII 04 09 26 31.7–.98 36.37N–.02 27.01E–.02 10–7 85 0-32
AFAD VII 04 09 26 30.7 36.37N 27.01E 7–1 3.5W **¶620927866**
ISK VII 04 09 26 30.8 36.37N 27.02E 7–0 3.2L
ATH VII 04 09 26 31.7 36.40N 27.07E 17–1 3.3L
THE VII 04 09 26 31.7 36N–4.0 27E–4.0 9–10 3.0,3.0
IDC VII 04 09 26 39.5–5.8 36.24N 26.66E 57–41 3.4,3.3b
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/04 09:28:07, This location: 2021/07/04 10:10:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
IDC Error ellipse: s-maj=52.5km s-min=30.7km az=110.0.
ISC VII 04 18 00 41.8–.93 36.32N–.02 27.03E–.02 12–7 128 0-42
IDC VII 04 18 00 39.5–1.7 36.28N 26.98E 0 3.3b,3.1 **¶620927893**
AFAD VII 04 18 00 41.2 36.27N 27.07E 11–4 2.9L,3.1
THE VII 04 18 00 41.7 36N–2.0 27E–2.0 8–3 3.1,3.1
ISK VII 04 18 00 41.8 36.32N 27.06E 4–0 3.1L,3.1
ATH VII 04 18 00 42.6 36.36N 27.01E 11–1 3.3L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=37.4km s-min=17.6km az=22.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/07/04 18:02:19, This location: 2021/07/04 18:18:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VII 06 04 10 05.1–.87 36.35N–.02 27.03E–.02 14–6 3.5b 152 0-58
IDC VII 06 04 10 03.3–.81 36.28N 27.00E 0 3.6b,3.5 **¶620928000**
ISK VII 06 04 10 04.3 36.38N 27.02E 10–0 3.5L,3.5
AFAD VII 06 04 10 05.8 36.37N 27.12E 16–3 3.2L,3.5
THE VII 06 04 10 05.0 36N–4.0 27E–8.0 8–9 3.5,3.5
ATH VII 06 04 10 05.0 36.36N 27.02E 12–2 3.5L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=11.2km az=173.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/06 04:11:30, This location: 2021/07/06 04:37:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VII 06 07 56 22.5–.97 36.35N–.02 27.02E–.02 12–7 62 0-2
AFAD VII 06 07 56 20.9 36.29N 26.99E 6–2 2.4L **¶621194138**
THE VII 06 07 56 22.9 36N–6.0 27E–5.0 1–20 2.5,2.5
ATH VII 06 07 56 22.4 36.37N 27.01E 15–1 2.7L,2.5
ISK VII 06 07 56 22.3 36.20N 27.06E 13–0 2.4L,2.5
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/06 07:58:19, This location: 2021/07/06 08:16:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC VII 06 09 03 45.0–.60 36.35N–.02 27.04E–.02 19–2 4.1b,2.9s 235 0-126
IDC VII 06 09 03 43.7–.65 36.42N 27.04E 0 3.9b,3.8 **¶620928017**
NEIC VII 06 09 03 43.4–1.5 36.41N–.05 27.08E–.01 10–1 4.2b,3.8
AFAD VII 06 09 03 43.9 36.23N 27.12E 5–1 3.9L,3.8
ISK VII 06 09 03 45.5 36.36N 27.01E 16–0 3.9L,3.8
ATH VII 06 09 03 45.9 36.36N 27.04E 14–1 3.9L,3.8
THE VII 06 09 03 46.1 36N–2.0 27E–2.0 10–5 3.8,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/06 09:05:07, This location: 2021/07/06 09:20:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC VII 06 10 50 33.3–.84 36.35N–.02 27.05E–.02 17–6 3.8b 152 0-58
IDC VII 06 10 50 31.2–1.0 36.40N 27.01E 0 3.7b,3.5 **¶620928026**
AFAD VII 06 10 50 32.4 36.29N 27.08E 8–2 3.2L,3.5
THE VII 06 10 50 33.6 36N–2.0 27E–2.0 12–7 3.5,3.5
ISK VII 06 10 50 33.7 36.36N 27.07E 9–0 3.4L,3.5
ATH VII 06 10 50 33.6–.16 36.38N 27.04E 10 3.6L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=22.7km s-min=13.1km az=169.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/06 10:51:57, This location: 2021/07/06 11:21:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC VII 06 13 18 41.9–.97 36.30N–.02 27.06E–.02 11–7 3.8b 148 0-126
GII VII 06 13 18 41.4–.00 36.055N–.00 26.989E–.00 0 3.7 **¶620928036**
AFAD VII 06 13 18 41.0 36.30N 27.02E 7–1 3.8L
IDC VII 06 13 18 41.2–.77 36.44N 27.01E 0 3.8b,3.7
ISK VII 06 13 18 42.8 36.39N 27.02E 8–0 3.6L,3.7
ATH VII 06 13 18 42.9 36.37N 26.97E 6–2 3.9L,3.7
THE VII 06 13 18 43.2 36N–1.0 27E–2.0 11–4 3.7,3.7
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/07/06 13:19:59, This location: 2021/07/06 13:46:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISC VII 06 15 17 20.4–.91 36.37N–.03 27.10E–.04 16–8 29 0-2
ATH VII 06 15 17 19.2 36.45N 27.26E 31–1 2.8L **¶621194155**
ISK VII 06 15 17 19.7 36.34N 27.09E 5–0 1.9L
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/07/06 15:19:16, This location: 2021/07/06 15:25:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISK Event type ke.
ISC VII 06 16 43 38.4–1.1 36.33N–.03 27.07E–.04 8–10 33 0-2
ATH VII 06 16 43 36.2 36.36N 26.84E 19–2 2.6L **¶621194162**
THE VII 06 16 43 37.5 36N–19 27E–17 27–14 2.4,2.4
ISK VII 06 16 43 39.9 36.29N 27.14E 53–1 2.1L,2.4
AFAD VII 06 16 43 41.0 36.41N 27.36E 29–2 2.1L,2.4
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/07/06 16:54:37, This location: 2021/07/06 16:53:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC VII 06 16 45 18.7–.99 36.36N–.02 27.01E–.03 9–8 42 0-2
ATH VII 06 16 45 17.2 36.50N 27.28E 34–1 2.7L **¶621194163**
THE VII 06 16 45 18.7 36N–13 27E–12 6–15 2.4,2.4
AFAD VII 06 16 45 20.4 36.38N 27.13E 6–1 2.0L,2.4
ISK VII 06 16 45 20.1 36.30N 27.12E 20–0 2.1L,2.4
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/07/06 16:57:00, This location: 2021/07/06 16:55:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 3 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 07 15 34 35.9–.86 36.44N–.02 27.18E–.02 14–6 66 0-2
ATH VII 07 15 34 35.8 36.43N 27.13E 14–1 2.6L **¶621194202**
ISK VII 07 15 34 36.6 36.43N 27.20E 8–0 2.3L
THE VII 07 15 34 36.4 36N–77 27E–59 0–46 2.4,2.4
AFAD VII 07 15 34 37.6 36.51N 27.27E 18–0 2.1L,2.4
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/07/07 15:36:28, This location: 2021/07/07 15:49:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 2 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 07 18 02 22.4–.94 36.41N–.02 27.07E–.03 10–7 74 0-2
ATH VII 07 18 02 22.1 36.40N 27.08E 12–1 2.7L **¶621194210**
ISK VII 07 18 02 23.1 36.38N 27.10E 13–0 2.2L
THE VII 07 18 02 24.5 36N–6.0 27E–5.0 33–14 2.4,2.4
AFAD VII 07 18 02 25.6 36.55N 27.32E 7–3 2.1L,2.4
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/07/07 18:04:02, This location: 2021/07/07 18:56:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 08 10 34 32.4–1.2 36.34N–.03 27.07E–.03 10–10 23 0-2
THE VII 08 10 34 32.2 36N–8.0 27E–8.0 3–18 2.6,2.6 **¶621194237**
ISK VII 08 10 34 33.1 36.29N 27.12E 23–0 2.5L,2.6
ISC Event type ke.
ISK Event type ke.
ISC VII 09 06 55 16.1–1.1 36.34N–.02 27.04E–.02 7–8 3.6b 109 0-42
IDC VII 09 06 55 12.7–1.1 35.93N 27.16E 0 3.7b,3.5 **¶620928235**
AFAD VII 09 06 55 14.7 36.29N 27.02E 7–3 3.6W,3.5
ISK VII 09 06 55 15.8 36.38N 27.01E 18–0 3.4L,3.5
ATH VII 09 06 55 16.2 36.36N 27.06E 14–1 3.5L,3.5
THE VII 09 06 55 16.6 36N–1.0 27E–2.0 6–3 3.3,3.3
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/07/09 06:56:50, This location: 2021/07/09 07:03:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
THE VII 09 14 50 50.1 36N–2.0 27E–3.0 1–11 2.6
ISK VII 09 14 50 50.9 36.31N 27.13E 14–0 2.2L **¶621194284**
ISK Event type ke.
ISC VII 09 18 01 23.4–.67 35.91N–.02 27.00E–.02 21–2 3.5b 169 0-43
GII VII 09 18 01 21.8–.00 35.848N–.00 27.002E–.00 0 3.7 **¶620928277**
IDC VII 09 18 01 21.0–1.0 35.86N 26.98E 0 3.5b,3.5
ISK VII 09 18 01 23.1 35.92N 27.01E 8–0 3.5L,3.5
THE VII 09 18 01 23.6 36N–2.0 27E–2.0 18–5 3.4,3.4
AFAD VII 09 18 01 23.1 35.84N 27.18E 7–1 3.0L,3.4
ATH VII 09 18 01 23.5 35.87N 27.00E 22–1 3.6L,3.4
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=22.1km s-min=11.9km az=0.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/09 18:02:54, This location: 2021/07/09 18:18:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC VII 10 07 33 14.9–.88 36.31N–.03 28.00E–.03 12–7 48 0-2
THE VII 10 07 33 14.6 36N–2.0 28E–3.0 16–5 2.9,2.9 **¶621194311**
ISK VII 10 07 33 14.1 36.33N 28.01E 4–0 2.7L,2.9
AFAD VII 10 07 33 14.6 36.31N 28.02E 7–3 2.6L,2.9
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 10 09 56 36.3–1.2 36.37N–.03 27.11E–.03 6–10 38 0-2
ISK VII 10 09 56 35.9 36.31N 27.05E 13–0 2.6L **¶621194320**
AFAD VII 10 09 56 36.4 36.41N 27.09E 6–2 2.1L
THE VII 10 09 56 37.1 36N–31 27E–29 7–34 2.8,2.8
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 10 11 40 40.3–.97 36.34N–.03 27.09E–.03 13–7 36 0-2
ATH VII 10 11 40 40.1 36.36N 26.98E 9–2 2.7L **¶621194322**
ISK VII 10 11 40 41.9 36.31N 27.09E 9–0 2.2L
AFAD VII 10 11 40 41.5 36.41N 27.19E 28–2 1.9L
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/10 11:41:04, This location: 2021/07/10 15:52:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 10 14 49 15.5–1.0 36.42N–.03 27.13E–.05 12–8 27 0-2
ISK VII 10 14 49 15.8 36.35N 27.15E 24–0 1.7L **¶621194330**
THE VII 10 14 49 15.2 36N–45 27E–35 3–27 2.7
AFAD VII 10 14 49 19.4 36.55N 27.42E 8–2 1.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 10 15 40 19.5–1.1 36.39N–.03 27.10E–.03 13–8 42 0-2
ISK VII 10 15 40 19.2 36.36N 27.03E 9–0 2.6L **¶621194339**
THE VII 10 15 40 19.4 36N–6.0 27E–7.0 0–18 3.0,3.0
AFAD VII 10 15 40 19.5 36.42N 27.12E 6–1 2.3L,3.0
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 10 20 03 35.9–.80 37.81N–.01 26.94E–.02 9–6 154 0-15
AFAD VII 10 20 03 35.7 37.84N 26.91E 12–2 3.6W **¶620928376**
ISK VII 10 20 03 35.7 37.80N 26.89E 14–0 3.6L
THE VII 10 20 03 36.1 38N–8.0 27E–7.0 0–3 3.6,3.6
ATH VII 10 20 03 36.4 37.79N 26.86E 12–1 3.6L,3.6
IDC VII 10 20 03 36.5–.96 37.65N 26.97E 0 3.3,2.9L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/07/10 20:04:54, This location: 2021/07/10 22:15:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
IDC Error ellipse: s-maj=12.9km s-min=9.5km az=122.0.
ISC VII 10 20 07 04.2–.83 37.84N–.02 26.94E–.02 13–6 108 0-2
ISK VII 10 20 07 04.8 37.84N 26.90E 14–0 3.2L **¶621194362**
AFAD VII 10 20 07 04.7 37.84N 26.92E 9–2 3.0L
THE VII 10 20 07 05.1 38N–1.0 27E–2.0 3–2 3.4,3.4
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 11 14 07 15.4–1.1 36.35N–.03 27.06E–.03 13–10 32 0-3
THE VII 11 14 07 15.7 36N–1.0 27E–2.0 15–5 3.0,3.0 **¶621194433**
ISK VII 11 14 07 16.3 36.29N 27.09E 24–0 3.0L,3.0
ISC Event type ke.

ISK Event type ke.
ISC VII 12 02 11 28.4–.97 36.38N–.02 27.06E–.02 10–8 64 0-3
THE VII 12 02 11 28.2 36N–8.0 27E–8.0 7–11 2.4,2.4 **¶621194458**
AFAD VII 12 02 11 28.5 36.42N 27.05E 7–1 2.1L,2.4
ISK VII 12 02 11 28.9 36.30N 27.11E 18–0 2.2L,2.4
ATH VII 12 02 11 28.2 36.38N 27.05E 9–2 2.5L,2.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/12 02:13:18, This location: 2021/07/12 07:49:35 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VII 12 09 43 28.2–1.1 35.72N–.03 27.42E–.03 8–9 109 0-42
AFAD VII 12 09 43 24.8 35.59N 27.35E 6–3 3.3L **¶620928479**
IDC VII 12 09 43 26.7–1.5 35.33N 27.64E 0 3.3b,3.2
ATH VII 12 09 43 28.3 35.71N 27.47E 16–2 3.4L,3.2
ISK VII 12 09 43 28.1 35.83N 27.36E 10–0 3.4L,3.2
THE VII 12 09 43 29.1 36N–2.0 27E–4.0 11–10 3.2,3.2
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/12 09:44:52, This location: 2021/07/12 09:53:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISC VII 12 18 57 34.7–1.2 36.36N–.03 27.10E–.03 3–12 41 0-2
AFAD VII 12 18 57 33.3 36.35N 27.08E 6–1 2.1L **¶621194485**
THE VII 12 18 57 34.8 36N–4.0 27E–4.0 2–11 2.9,2.9
ISK VII 12 18 57 35.5 36.34N 27.13E 9–0 2.4L,2.9
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 15 01 34 44.1–1.0 36.34N–.02 27.03E–.02 11–8 51 0-3
THE VII 15 01 34 43.7 36N–4.0 27E–5.0 0–14 2.6,2.6 **¶621194587**
ISK VII 15 01 34 44.1 36.30N 27.04E 5–0 2.3L,2.6
AFAD VII 15 01 34 45.2 36.41N 27.10E 6–3 2.0L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 15 03 57 59.9–.94 36.74N–.02 25.80E–.02 13–9 65 0-3
ATH VII 15 03 57 59.5 36.74N 25.82E 9–2 2.5L **¶621194595**
ISK VII 15 03 57 59.4 36.50N 25.64E 24–0 2.3L
THE VII 15 03 58 00.3 37N–4.0 26E–3.0 3–7 2.4,2.4
AFAD VII 15 03 58 05.0 36.90N 26.14E 7–3 1.9L,2.4
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/15 03:59:31, This location: 2021/07/15 04:23:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 15 18 28 28.6–.87 36.49N–.02 27.17E–.02 9–6 64 0-2
AFAD VII 15 18 28 28.9 36.46N 27.24E 7–2 2.2L **¶621194621**
THE VII 15 18 28 28.7 37N–2.0 27E–2.0 7–7 2.4,2.4
ISK VII 15 18 28 28.3 36.49N 27.16E 7–0 2.3L,2.4
ATH VII 15 18 28 28.3 36.48N 27.10E 9–2 2.6L,2.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/07/15 18:30:18, This location: 2021/07/15 18:55:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 2 km.
ISC VII 16 07 34 01.4–.94 36.46N–.02 27.17E–.02 6–7 59 0-2
ATH VII 16 07 34 01.2 36.46N 27.14E 6–1 2.7L **¶621194632**
ISK VII 16 07 34 01.2 36.44N 27.16E 3–0 2.6L
THE VII 16 07 34 01.6 36N–1.0 27E–1.0 8–5 2.7,2.7
AFAD VII 16 07 34 01.4 36.44N 27.23E 7–1 2.4L,2.7
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/16 07:35:48, This location: 2021/07/16 08:07:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 16 17 17 16.8–.85 36.41N–.02 27.20E–.02 18–6 168 0-42
IDC VII 16 17 17 15.7–.83 36.32N 27.18E 0 3.8b,3.8 **¶620928720**
ATH VII 16 17 17 16.9 36.42N 27.16E 18–0 3.6L,3.8
ISK VII 16 17 17 16.7 36.40N 27.17E 9–0 3.4L,3.8
THE VII 16 17 17 17.4 36N–1.0 27E–1.0 12–2 3.5,3.5
AFAD VII 16 17 17 18.9 36.45N 27.23E 8–0 3.5W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=10.2km az=9.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/07/16 17:17:44, This location: 2021/07/16 17:23:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 16 17 33 47.0–.83 37.83N–.02 27.00E–.02 16–6 108 0-2
AFAD VII 16 17 33 47.9 37.84N 26.98E 7–4 3.0L **¶621194652**
ATH VII 16 17 33 48.8 37.76N 26.87E 16–0 3.1L
ISK VII 16 17 33 48.2 37.78N 26.96E 17–0 3.1L
THE VII 16 17 33 49.0 38N–1.0 27E–1.0 8–1 3.1,3.1
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/16 17:35:17, This location: 2021/07/16 17:45:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC VII 16 17 40 20.7–.95 36.43N–.02 27.18E–.03 12–7 39 0-2
ISK VII 16 17 40 20.9 36.36N 27.29E 10–0 2.5L **¶621194653**
THE VII 16 17 40 21.0 36N–2.0 27E–1.0 12–6 2.3,2.3
AFAD VII 16 17 40 22.0 36.54N 27.17E 6–2 2.0L,2.3
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 16 18 34 09.1–.94 36.33N–.02 27.10E–.02 15–7 71 0-2
ATH VII 16 18 34 08.8 36.33N 26.99E 10–2 2.5L **¶621194657**
THE VII 16 18 34 10.0 36N–1.0 27E–1.0 12–2 2.4,2.4
ISK VII 16 18 34 10.7 36.30N 27.16E 21–0 2.2L,2.4
AFAD VII 16 18 34 10.5 36.46N 27.17E 31–1 2.1L,2.4
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/16 18:36:03, This location: 2021/07/16 18:40:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 16 22 30 31.8–.80 36.41N–.02 27.15E–.02 16–5 180 0-42
IDC VII 16 22 30 29.0–1.2 36.37N 27.03E 0 3.6b,3.5L **¶620928734**
ATH VII 16 22 30 31.7 36.41N 27.18E 16–1 3.4L,3.5L
ISK VII 16 22 30 31.6 36.38N 27.15E 10–0 3.2L,3.5L
THE VII 16 22 30 32.4 36N–1.0 27E–1.0 11–2 3.3,3.3
AFAD VII 16 22 30 32.6 36.45N 27.22E 13–1 2.8L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=16.5km az=3.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/16 22:31:54, This location: 2021/07/16 23:04:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 16 23 39 35.8–.92 36.38N–.02 27.04E–.02 14–7 72 0-3
ISK VII 16 23 39 35.9 36.37N 27.05E 4–0 2.2L **¶621194675**
ATH VII 16 23 39 35.6 36.37N 27.05E 15–1 2.5L
AFAD VII 16 23 39 36.7 36.39N 27.16E 8–2 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/16 23:40:13, This location: 2021/07/16 23:53:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VII 17 02 03 06.3–.82 36.43N–.02 27.08E–.02 12–5 3.6b 222 0-57
IDC VII 17 02 03 04.1–.90 36.29N 27.10E 0 3.6b,3.5 **¶620928744**
ATH VII 17 02 03 05.9 36.43N 27.07E 14–1 3.7L,3.5
ISK VII 17 02 03 05.2 36.41N 27.09E 3–0 3.5L,3.5
THE VII 17 02 03 06.3 36N–1.0 27E–2.0 10–3 3.5,3.5
AFAD VII 17 02 03 08.1 36.54N 27.25E 23–0 3.3L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=13.0km az=15.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/17 02:04:38, This location: 2021/07/17 02:30:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 17 02 05 19.6–.87 36.44N–.02 27.09E–.03 13–6 64 0-2
THE VII 17 02 05 19.7 36N–3.0 27E–3.0 0–12 2.5,2.5 **¶621194699**
ISK VII 17 02 05 19.6 36.43N 27.10E 10–0 2.0L,2.5
ATH VII 17 02 05 19.0 36.44N 27.07E 14–1 2.5L,2.5
AFAD VII 17 02 05 21.3 36.48N 27.18E 9–2 1.9L,2.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/17 02:49:18, This location: 2021/07/17 02:48:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VII 17 04 42 03.7–.83 36.44N–.02 27.07E–.02 14–5 3.1b 111 0-65
IDC VII 17 04 41 59.3–1.2 36.18N 26.96E 0 3.4b,3.3 **¶620928751**
THE VII 17 04 42 03.9 36N–1.0 27E–2.0 10–4 3.2,3.2
ATH VII 17 04 42 03.6 36.47N 27.09E 17–1 3.1L,3.2
AFAD VII 17 04 42 04.9 36.47N 27.18E 13–1 2.7L,3.2
ISK VII 17 04 42 05.1 36.35N 27.18E 10–0 3.1L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=16.8km az=6.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/07/17 04:43:45, This location: 2021/07/17 04:57:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 17 15 13 30.8–.95 36.35N–.02 27.12E–.02 17–7 74 0-32
IDC VII 17 15 13 28.8–1.4 36.30N 26.96E 0 3.6b,3.4 **¶620928773**
ATH VII 17 15 13 31.9 36.39N 27.17E 16–1 3.1L,3.4
THE VII 17 15 13 32.6 36N–1.0 27E–1.0 10–3 3.2,3.2
AFAD VII 17 15 13 33.0 36.43N 27.19E 6–1 2.6L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=17.3km az=6.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/07/17 15:15:13, This location: 2021/07/17 15:24:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
ISC VII 17 15 26 36.8–.84 36.41N–.02 27.17E–.02 18–5 3.2b 135 0-42
IDC VII 17 15 26 34.7–.85 36.44N 27.09E 0 3.6b,3.6 **¶620928775**
ISK VII 17 15 26 36.4 36.42N 27.13E 9–0 3.5L,3.6
ATH VII 17 15 26 36.5 36.42N 27.23E 19–0 3.5L,3.6
AFAD VII 17 15 26 37.3 36.42N 27.16E 7–1 3.4L,3.6
THE VII 17 15 26 37.7 36N–2.0 27E–2.0 11–3 3.5,3.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/07/17 15:27:54, This location: 2021/07/17 15:32:08 MS Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC VII 17 16 32 33.5–.92 36.75N–.02 25.58E–.02 12–10 58 0-3
ISK VII 17 16 32 31.7 36.74N 25.33E 9–0 2.5L **¶621194770**
ATH VII 17 16 32 32.9 36.76N 25.65E 11–1 2.8L
AFAD VII 17 16 32 40.5 36.73N 25.82E 7–4 1.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/07/17 16:33:51, This location: 2023/03/30 11:11:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VII 20 04 50 10.5–.87 36.37N–.02 27.21E–.02 15–6 3.7b 201 0-60
IDC VII 20 04 50 09.1–.92 36.37N 27.14E 0 3.6b,3.6 **¶620961572**
ISK VII 20 04 50 10.1 36.38N 27.12E 6–0 3.8L,3.6
ATH VII 20 04 50 10.7 36.38N 27.14E 13–1 3.7L,3.6
THE VII 20 04 50 11.2 36N–1.0 27E–1.0 12–3 3.7,3.7
AFAD VII 20 04 50 12.1 36.46N 27.15E 10–0 3.6W,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=17.1km s-min=10.6km az=9.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/20 04:51:27, This location: 2021/07/20 05:01:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VII 20 06 14 59.7–.82 36.39N–.02 27.16E–.02 15–5 3.6b,3.0s 143 0-57
IDC VII 20 06 14 57.9–.79 36.44N 27.09E 0 3.6b,3.6 **¶620834139**
ISK VII 20 06 14 58.8 36.42N 27.10E 9–0 3.7L,3.6
THE VII 20 06 14 59.8 36N–1.0 27E–1.0 11–2 3.7,3.7
GFZ VII 20 06 14 59.9–.21 36N–3.0 27E–2.0 10 4.3b,4.3
ATH VII 20 06 14 59.3 36.42N 27.15E 17–0 3.7L,4.3
AFAD VII 20 06 15 00.1 36.42N 27.17E 7–1 3.6L,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=10.2km az=2.0.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/07/20 06:16:21, This location: 2021/07/20 06:22:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC VII 20 06 33 30.8–1.6 36.43N–.06 27.12E–.09 15–11 18 0-2
AFAD VII 20 06 33 30.7 36.43N 27.12E 6–1 2.0L **¶621194928**
ISK VII 20 06 33 31.3 36.42N 27.19E 19–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 20 12 37 39.3–.91 37.86N–.03 26.77E–.03 17–7 24 0-2
ISK VII 20 12 37 38.4 37.84N 26.75E 5–0 2.7L **¶621194947**
THE VII 20 12 37 39.3 38N–4.0 27E–4.0 7–4 2.7,2.7
ISC Event type ke.
ISK Event type ke.
ISC VII 20 12 44 14.4–.85 37.90N–.02 26.80E–.03 13–6 39 0-2
THE VII 20 12 44 14.4 38N–4.0 27E–4.0 12–3 2.6,2.6 **¶621194948**
ISK VII 20 12 44 14.2 37.87N 26.78E 14–0 2.6L,2.6
AFAD VII 20 12 44 15.0 37.90N 26.85E 7–2 2.5L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 20 15 35 15.1–1.1 36.36N–.03 27.08E–.03 10–9 27 0-2
ISK VII 20 15 35 14.4 36.36N 27.09E 7–0 2.3L **¶621194955**
THE VII 20 15 35 15.4 36N–17 27E–11 10–24 2.7,2.7
ISC Event type ke.
ISK Event type ke.
ISC VII 20 15 37 45.0–1.0 37.91N–.03 26.81E–.04 11–8 32 0-2
ISK VII 20 15 37 44.8 37.94N 26.80E 6–0 2.7L **¶621194962**
AFAD VII 20 15 37 44.2 37.89N 26.79E 7–2 2.8L
ISC Event type ke.

ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 20 16 04 08.1–1.1 36.35N–.03 27.06E–.03 8–10 38 0-3
THE VII 20 16 04 07.7 36N–17 27E–12 0–24 2.6,2.6 **¶621194963**
ISK VII 20 16 04 08.9 36.32N 27.13E 12–0 2.3L,2.6
AFAD VII 20 16 04 08.1 36.35N 27.10E 8–3 2.1L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 22 14 15 37.2–1.0 36.35N–.02 27.00E–.02 9–8 3.4b 95 0-42
IDC VII 22 14 15 36.8–1.0 36.52N 26.97E 0 3.9s,3.6b **¶620845124**
ATH VII 22 14 15 37.4 36.33N 27.00E 9–1 3.6L,3.6b
THE VII 22 14 15 38.5 36N–5.0 27E–8.0 9–11 3.5,3.5
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/07/22 14:17:06, This location: 2023/03/27 13:59:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VII 22 14 16 28.1–.33 36.36N–.02 27.10E–.02 27–2 4.8b,3.9s 783 0-134
NAO VII 22 14 15 53.3 32.60N 28.77E 33 4.0b,3.9s **¶620967832**
BJI VII 22 14 16 21.9 36.40N 27.00E 8 4.7b,4.6b
ISK VII 22 14 16 25.9 36.41N 27.02E 12–0 4.5L,4.6b
THE VII 22 14 16 26.7 36N–1.0 27E–1.0 3–2 4.5,4.5
MED_R VII 22 14 16 26.0 36.40N 27.02E 12 4.7W,4.5
AFAD VII 22 14 16 26.8 36.39N 27.08E 6–1 4.2L,4.5
ATH VII 22 14 16 27.1 36.38N 27.10E 10–1 4.6L,4.5
GII VII 22 14 16 27.1–.00 36.100N–.00 27.250E–.00 0–0 4.7,4.5
GCMT VII 22 14 16 28.4–.40 36.25N–.05 26.95E–.03 19–1 4.7W,4.5
IDC VII 22 14 16 28.9–1.5 36.43N 27.01E 31–11 4.4,4.3b
MOS VII 22 14 16 28.4–1.2 36.34N 27.07E 43 5.0b,4.3b
NEIC VII 22 14 16 29.5–2.0 36.35N–.03 27.06E–.05 42–5 4.8b,4.3b
MCSM VII 22 14 16 29.0–.30 36N–3.0 27E–3.0 42–2 4.7b,4.7
GFZ VII 22 14 16 30.6–.38 36N–2.0 27E–2.0 33–5 4.5b,4.2
GFZ VII 22 14 16 31.2 36.33N 27.18E 10 4.4W,4.2
ISC Event type ke.
ISK Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-1.16±.09 $M_{\theta\theta}$-0.01±.05; $M_{\phi\phi}$0.00±.06; $M_{r\theta}$0.22±.16; $M_{\theta\phi}$0.38±.04; $M_{\phi r}$0.24±.10; NP1: ϕ_s9.00000°,δ39.00000°,λ-101.00000°. NP2:ϕ_s204.00000°,δ52.00000°,λ-81.00000°. Principal axes: T 1.3200,Plg7.0000°,Azm287.0000°; N -0.1100,Plg7.0000°,Azm18.0000° ; P -1.2100,Plg80.0000°,Azm154.0000° $M_0$1.27000×10^{16}
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/07/22 14:17:55, This location: 2021/07/22 18:45:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107221416A. Moment Tensor Solution. s17,c20; s80,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.61±.15 $M_{\theta\theta}$0.10±.08; $M_{\phi\phi}$1.50±.09; $M_{r\theta}$0.21±.26; $M_{\theta\phi}$0.37±.06; $M_{\phi r}$-0.21±.15; Best double couple: NP1:ϕ_s203.00000°,δ43.00000° ,λ-77.00000°. NP2:ϕ_s5.00000°,δ48.00000°,λ-102.00000°. Principal axes: T 1.5980,Plg3.0000°,Azm103.0000°; N 0.0520,Plg9.0000°,Azm13.0000° ; P -1.6570,Plg81.0000°,Azm211.0000° $M_0$1.62700×10^{16}
IDC Error ellipse: s-maj=9.4km s-min=7.8km az=173.0.
MOS Error ellipse: s-maj=6.6km s-min=3.8km az=78.4.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.5km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.80 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$3.90 $M_{r\theta}$1.87 $M_{\theta\phi}$3.05 $M_{\phi r}$-0.96 NP1: ϕ_s236.24959°,δ53.35589°,λ-48.73152°. NP2:ϕ_s0.47022°,δ52.90961°,λ-131.56371°. Principal axes: T 5.5465,Plg0.2525°,Azm298.4485°; N -0.4348,Plg31.9532°,Azm28.6059° ; P -5.1118,Plg58.0456°,Azm208.0437° $M_0$5.34244×10^{15}
ISC VII 22 14 47 28.1–1.4 36.75N–.03 28.30E–.03 60–7 52 0-3
THE VII 22 14 47 28.5 37N–19 28E–10 59–10 2.9,2.9 **¶621195440**
AFAD VII 22 14 47 28.5 36.69N 28.27E 52–0 2.6L,2.9
ISK VII 22 14 47 28.5 36.69N 28.29E 51–1 2.2L,2.9
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 22 22 29 58.4–.85 36.42N–.02 27.07E–.02 17–6 3.3b 152 0-43
IDC VII 22 22 29 56.5–.90 36.43N 26.99E 0 3.5b,3.4 **¶620967856**
ATH VII 22 22 29 58.1 36.42N 27.02E 17–0 3.6L,3.4
ISK VII 22 22 29 58.8 36.39N 27.08E 15–0 3.4L,3.4
THE VII 22 22 29 59.0 36N–1.0 27E–1.0 9–2 3.6,3.6
AFAD VII 22 22 30 00.8 36.49N 27.15E 8–0 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=17.4km s-min=11.6km az=172.0.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/22 22:31:24, This location: 2021/07/22 22:36:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
AFAD VII 22 16 20 16.9 37.85N 26.96E 7–2 1.5L
¶626517535
AFAD Event type se. Presumed earthquake.
ISC VII 22 22 40 17.2–1.3 36.38N–.04 27.09E–.03 6–10 41 0-2
THE VII 22 22 40 17.4 36N–3.0 27E–2.0 3–8 2.6,2.6 **¶621195518**
ISK VII 22 22 40 17.5 36.36N 27.09E 6–0 2.1L,2.6
AFAD VII 22 22 40 20.4 36.49N 27.24E 7–3 2.0L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK VII 23 10 24 53.2 36.36N 27.14E 19–0 1.8L
¶621195590
ISK Event type ke.
ISC VII 23 12 29 42.4–1.1 36.38N–.03 27.07E–.03 11–9 41 0-2
THE VII 23 12 29 42.4 36N–7.0 27E–17 9–9 2.8,2.8 **¶621195599**
AFAD VII 23 12 29 42.8 36.39N 27.11E 26–1 2.1L,2.8
ISK VII 23 12 29 42.6 36.36N 27.07E 12–0 2.5L,2.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 23 22 08 20.5–1.1 36.39N–.03 27.05E–.03 10–9 37 0-2
ISK VII 23 22 08 19.7 36.39N 27.08E 1–0 2.3L **¶621195631**
AFAD VII 23 22 08 20.8 36.41N 27.08E 7–2 2.2L
THE VII 23 22 08 20.5 36N–2.0 27E–3.0 10–8 2.5,2.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 25 05 04 31.2–1.3 36.37N–.03 27.09E–.04 6–10 40 0-2
THE VII 25 05 04 31.6 36N–2.0 27E–3.0 3–6 2.6,2.6 **¶621195703**
AFAD VII 25 05 04 31.1 36.36N 27.15E 8–2 1.9L,2.6
ISK VII 25 05 04 32.2 36.34N 27.10E 14–0 2.1L,2.6
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 25 16 52 28.8–.85 37.81N–.02 26.95E–.02 12–6 47 0-2
AFAD VII 25 16 52 28.6 37.81N 26.94E 7–1 2.3L **¶621195727**
ISK VII 25 16 52 29.4 37.81N 26.97E 8–0 2.2L
THE VII 25 16 52 29.2 38N–6.0 27E–5.0 3–4 2.7,2.7
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 25 23 44 47.7–1.4 36.33N–.04 26.97E–.06 12–8 59 0-4
AFAD VII 25 23 44 40.2 36.10N 26.39E 13–6 3.9L **¶621195738**
ATH VII 25 23 44 48.8 36.36N 27.03E 11–3 2.9L
THE VII 25 23 44 49.0 36N–3.0 27E–2.0 0–8 2.9,2.9
ISK VII 25 23 44 49.6 36.33N 27.06E 6–0 2.9L,2.9
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/25 23:46:25, This location: 2021/07/26 06:18:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC VII 26 03 40 25.8–.88 37.86N–.02 26.91E–.03 11–8 42 0-2
AFAD VII 26 03 40 25.9 37.84N 26.86E 7–2 2.4L **¶621195749**
ISK VII 26 03 40 25.8 37.83N 26.86E 12–0 2.6L
THE VII 26 03 40 25.9 38N–11 27E–9.0 0–5 2.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 25 23 45 07.3–1.1 37.87N–.02 26.90E–.03 5–10 64 0-2
AFAD VII 25 23 45 06.0 37.84N 26.85E 2–2 2.9L **¶621195741**
ISK VII 25 23 45 07.2 37.86N 26.91E 7–0 3.1L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 28 15 13 16.2–.94 37.85N–.02 26.89E–.03 13–8 48 0-2
AFAD VII 28 15 13 15.8 37.83N 26.87E 7–4 2.3L **¶621195903**
ISK VII 28 15 13 16.4 37.86N 26.91E 14–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 27 15 42 11.4–1.1 36.37N–.04 27.06E–.05 13–9 16 0-1
THE VII 27 15 42 10.9 36N–27 27E–27 22–19 2.5,2.5 **¶621195843**
ISK VII 27 15 42 10.7 36.27N 27.04E 20–0 2.1L,2.5
ISC Event type ke.
ISK Event type ke.
ISC VII 26 07 03 37.4–1.2 36.21N–.03 28.85E–.03 50–10 61 0-4
AFAD VII 26 07 03 37.5 36.24N 28.78E 7–7 2.4L **¶620846771**
NIC VII 26 07 03 37.9 36.04N 28.93E 32–33 2.7L
ISK VII 26 07 03 37.3 36.24N 28.80E 30–0 2.8L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 31 19 57 54.9–.38 36.35N–.01 27.06E–.02 12–2 4.7b,3.9s 1012 0-126
MOS VII 31 19 57 53.4–1.3 36.30N 27.07E 10 4.7b,4.2s **¶621800311**
IDC VII 31 19 57 53.1–.38 36.40N 27.03E 0 4.5b,4.4
GII VII 31 19 57 53.6–.00 36.341N–.00 27.061E–.00 0 4.7,4.4
MED_R VII 31 19 57 54.0 36.36N 27.07E 10 4.8W,4.4
ATH VII 31 19 57 54.9 36.36N 27.07E 16–0 4.7L,4.4
NEIC VII 31 19 57 55.1 36.43N 27.06E 10 4.7L,4.4
NEIC VII 31 19 57 55.1–1.3 36.41N–.04 27.06E–.05 11–3 4.7,4.7b
GFZ VII 31 19 57 55.7 36.36N 27.09E 11 4.7W,4.7b
AFAD VII 31 19 57 55.1 36.35N 27.09E 7–2 4.5W,4.7b
NAO VII 31 19 57 55.4 36.39N 27.02E 10 4.4b,4.7b
GFZ VII 31 19 57 55.7–.14 36N–2.0 27E–2.0 10 4.7b,4.4
THE VII 31 19 57 55.6 36N–1.0 27E–2.0 12–3 4.6,4.6
ISK VII 31 19 57 55.1 36.36N 27.03E 9–0 4.6L,4.6
MCSM VII 31 19 57 57.0–.30 36N–3.0 27E–3.0 10 4.8b,4.8
GCMT VII 31 19 57 57.7–.20 36.27N–.03 26.95E–.01 15–0 4.8W,4.8
CFUSG VII 31 19 57 58.0 36.50N 26.78E 10 4.3,2.9s
BGR VII 31 19 58 01.2 36.58N 27.11E 33 4.2b,2.9s
ISC Event type ke.
MOS Error ellipse: s-maj=6.2km s-min=3.2km az=83.1.
IDC Error ellipse: s-maj=9.4km s-min=7.3km az=1.0.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-1.64±.05 $M_{\theta\theta}$0.13±.05; $M_{\phi\phi}$0.00±.04; $M_{r\theta}$-1.25±.23; $M_{\theta\phi}$0.66±.04; $M_{\phi r}$0.21±.17; NP1: ϕ_s178.00000°,δ46.00000°,λ-131.00000°. NP2:ϕ_s50.00000°,δ57.00000°,λ-55.00000°. Principal axes: T 1.7900,Plg6.0000°,Azm116.0000°; N 0.5500,Plg29.0000°,Azm209.0000° ; P -2.3500,Plg61.0000°,Azm15.0000° $M_0$2.07000×10^{16}
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/31 19:59:14, This location: 2021/07/31 20:16:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.4km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35 $M_{\theta\theta}$0.35 $M_{\phi\phi}$1.01 $M_{r\theta}$0.65 $M_{\theta\phi}$0.38 $M_{\phi r}$0.02 NP1:ϕ_s224.09000°,δ54.68000°,λ-67.97000°. NP2:ϕ_s9.10000°,δ40.85000° ,λ-117.89000°. Principal axes: T 1.2158,Plg7.0000°,Azm299.0000°; N 0.3631,Plg18.0000° ,Azm31.0000°; P -1.5789,Plg71.0000°,Azm187.0000° $M_0$1.43000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.45 $M_{\theta\theta}$0.14 $M_{\phi\phi}$1.31 $M_{r\theta}$0.03 $M_{\theta\phi}$0.43 $M_{\phi r}$0.25 NP1: ϕ_s196.12783°,δ49.89221°,λ-92.52140°. NP2:ϕ_s20.03810°,δ40.17360°,λ-87.01026°. Principal axes: T 1.4675,Plg4.8621°,Azm287.9169°; N 0.0039,Plg1.9282°,Azm197.7528° ; P -1.4714,Plg84.7678°,Azm86.1828° $M_0$1.46943×10^{16}
AFAD Event type se. Presumed earthquake.
GFZ Error ellipse: s-maj=4.5km s-min=3.4km az=34.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISK Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107311957A. Moment Tensor Solution. s41,c47; s114,c182; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.20±.10 $M_{\theta\theta}$0.32±.07; $M_{\phi\phi}$1.88±.07; $M_{r\theta}$0.87±.18; $M_{\theta\phi}$0.41±.04; $M_{\phi r}$0.32±.11; Best double couple: NP1:ϕ_s0.00000°,δ40.00000° ,λ-114.00000°. NP2:ϕ_s210.00000°,δ54.00000°,λ-71.00000°. Principal axes: T 2.0510,Plg8.0000°,Azm287.0000°; N 0.4290,Plg15.0000°,Azm19.0000° ; P -2.4790,Plg73.0000°,Azm172.0000° $M_0$2.26500×10^{16}
BGR Event type ke.
AFAD VII 30 22 21 59.1 36.71N 27.89E 7–5 1.3L
¶625006063
AFAD Event type se. Presumed earthquake.
ISC VII 31 17 04 16.1–1.2 37.36N–.03 26.94E–.04 12–9 33 0-2
AFAD VII 31 17 04 15.1 37.34N 26.89E 7–2 2.5L **¶621196024**
ISK VII 31 17 04 15.5 37.35N 26.93E 13–0 2.3L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 31 20 00 09.1–.98 36.34N–.03 27.00E–.03 11–10 40 0-1
ATH VII 31 20 00 08.6 36.33N 26.99E 12–1 3.5L **¶621800313**
THE VII 31 20 00 10.1 36N–84 27E–76 11–37 3.6,3.6
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/31 21:32:18, This location: 2021/07/31 21:31:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VII 28 11 23 08.8–.85 36.47N–.02 27.15E–.02 12–6 104 0-3
ISK VII 28 11 23 07.9 36.48N 27.11E 10–0 3.6L **¶621195897**
THE VII 28 11 23 08.8 36N–1.0 27E–2.0 8–3 3.2,3.2
AFAD VII 28 11 23 08.1 36.43N 27.17E 7–1 3.5W,3.2
ATH VII 28 11 23 08.6 36.49N 27.18E 17–0 3.3L,3.2
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/28 11:24:46, This location: 2021/07/28 11:50:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISC VIII 01 04 31 27.5–.38 36.36N–.02 27.04E–.01 17–2 5.5b,5.3s 1896 0-167
BJI VIII 01 04 31 20.8 36.15N 26.40E 14 5.8b,5.6s **¶621366986**
ISK VIII 01 04 31 25.7 36.39N 26.97E 10–0 5.5L,5.6s
MOS VIII 01 04 31 25.0–1.1 36.33N 27.07E 10 5.5b,5.3s
ISC-P VIII 01 04 31 26 36.40N 27.01E 7–0 5.7,5.3s
GII VIII 01 04 31 26.8–.00 36.181N–.00 27.189E–.00 0 5.5,5.3s
ATH VIII 01 04 31 26.8 36.38N 27.09E 16–1 5.3L,5.3s
NEIC VIII 01 04 31 26.8 36.39N 27.02E 9 5.3L,5.3s
NAO VIII 01 04 31 26.2 36.39N 27.04E 10 5.7b,5.3s

PDG VIII 01 04 31 26.9–.81 36.35N 27.04E 18–1 5.7,5.6L
NEIC VIII 01 04 31 27.0–1.9 36.40N–.04 27.01E–.05 10–1 5.6b,5.5
MCSM VIII 01 04 31 26.3–.20 36N–2.0 27E–2.0 10 5.7,5.6b
PTWC VIII 01 04 31 27 36.10N 27.10E 10 5.8,5.6b
GFZ VIII 01 04 31 27.1–.09 36N–2.0 27E–1.0 10 5.9b,5.4
MED_R VIII 01 04 31 27.0 36.37N 27.10E 10 5.6W,5.4
THE VIII 01 04 31 27.4 36N–1.0 27E–1.0 14–2 5.8,5.8
NEIC VIII 01 04 31 27.1 36.39N 27.02E 11 5.8,5.8
AFAD VIII 01 04 31 27.8 36.38N 27.08E 11–1 5.5W,5.8
IPGP VIII 01 04 31 27.0 36.39N 27.02E 7 5.5W,5.8
GFZ VIII 01 04 31 27.1 36.36N 27.05E 10 5.5W,5.8
IDC VIII 01 04 31 28.4–1.3 36.33N 27.04E 24–8 5.1s,5.0b
GCMT VIII 01 04 31 28.8–.10 36.24N–.01 27.00E–.01 12 5.6W,5.0b
NEIC VIII 01 04 31 34.5 36.39N 27.02E 14 5.6,5.0b
BGR VIII 01 04 31 36.6–2.8 37.07N 26.54E 10 4.7b,5.0b
ISC Event type ke.
ISK Event type ke.
MOS Error ellipse: s-maj=4.1km s-min=2.5km az=88.4.
ISC-P Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56±.06 $M_{\theta\theta}$0.48±.09; $M_{\phi\phi}$0.07±.10; $M_{r\theta}$-0.02±.12; $M_{\theta\phi}$-0.39±.09; $M_{\phi r}$0.28±.21; NP1:ϕ_s265.90000°,δ40.80000°,λ310.30000°. NP2:ϕ_s37.70000°,δ60.10000°,λ-119.10000°. M_o4.42000×10^{17}
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/01 04:32:45, This location: 2021/11/27 14:38:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se.
NAO Event type se. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.17 $M_{\theta\theta}$0.45 $M_{\phi\phi}$1.73 $M_{r\theta}$0.72 $M_{\theta\phi}$1.49 $M_{\phi r}$-0.40 NP1:ϕ_s12.42000°,δ48.46000°,λ-120.68000°. NP2:ϕ_s234.24000°,δ49.93000°,λ-60.06000°. Principal axes: T 2.7126,Plg1.0000°,Azm304.0000°; N -0.1998,Plg22.0000°,Azm34.0000°; P -2.5128,Plg68.0000°,Azm212.0000° M_o2.62000×10^{17}
GFZ Error ellipse: s-maj=3.5km s-min=2.5km az=32.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17} Nm; M_{rr}-2.23±.05 $M_{\theta\theta}$0.29±.05; $M_{\phi\phi}$0.00±.04; $M_{r\theta}$0.20±.20; $M_{\theta\phi}$1.76±.04; $M_{\phi r}$-1.07±.18; NP1: ϕ_s234.00000°,δ41.00000°,λ-56.00000°. NP2:ϕ_s13.00000°,δ57.00000°,λ-116.00000°. Principal axes: T 3.1800,Plg9.0000°,Azm121.0000°; N -0.5400,Plg22.0000°,Azm27.0000°; P -2.6400,Plg67.0000°,Azm231.0000° M_o2.91000×10^{17}
NEIC Event type se.
AFAD Event type se. Presumed earthquake.
IPGP Moment Tensor Solution. NP1:ϕ_s8.00000°,δ53.00000°,λ-120.00000°. NP2:ϕ_s231.00000°,δ46.00000°,λ-57.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.36 $M_{\theta\theta}$0.50 $M_{\phi\phi}$1.85 $M_{r\theta}$0.22 $M_{\theta\phi}$1.09 $M_{\phi r}$0.26 NP1: ϕ_s210.71183°,δ48.98179°,λ-87.93750°. NP2:ϕ_s27.57099°,δ41.06087°,λ-92.36925°. Principal axes: T 2.4846,Plg3.9619°,Azm299.2501°; N -0.1040,Plg1.5560°,Azm29.3579°; P -2.3806,Plg85.7426°,Azm140.7592° M_o2.43428×10^{17}
IDC Error ellipse: s-maj=7.5km s-min=6.1km az=173.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108010431A. Moment Tensor Solution. s129,c233; s148,c327;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.42±.03 $M_{\theta\theta}$0.18±.03; $M_{\phi\phi}$2.24±.03; $M_{r\theta}$0.72±.08; $M_{\theta\phi}$1.70±.03; $M_{\phi r}$-0.48±.08; Best double couple: NP1: ϕ_s231.00000°,δ49.00000°,λ-59.00000°. NP2:ϕ_s8.00000°,δ50.00000°,λ-121.00000°. Principal axes: T 3.1990,Plg1.0000°,Azm119.0000°; N -0.4060,Plg23.0000°,Azm29.0000°; P -2.7890,Plg67.0000°,Azm211.0000° M_o2.99400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.75 $M_{\theta\theta}$0.40 $M_{\phi\phi}$2.35 $M_{r\theta}$1.95 $M_{\theta\phi}$1.74 $M_{\phi r}$-0.58 NP1:ϕ_s4.07000°,δ47.70000°,λ-132.96000°. NP2:ϕ_s238.22000°,δ57.23000°,λ-53.17000°. Principal axes: T 3.4088,Plg5.0000°,Azm303.0000°; N 0.5448,Plg30.0000°,Azm36.0000°; P -3.9536,Plg59.0000°,Azm204.0000° M_o3.71000×10^{17}
BGR Event type ke. Error ellipse: s-maj=50.0km s-min=46.7km az=159.0.

ISC VII 31 23 26 55.2–1.1 36.30N–.03 27.05E–.03 10–9 42 0-2
ATH VII 31 23 26 55.1 36.34N 27.06E 15–0 3.6L **¶621196057**
ISK VII 31 23 26 55.9 36.28N 27.05E 3–0 2.7L
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/31 23:43:12, This location: 2021/07/31 23:42:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC VII 31 23 35 34.1–1.1 36.29N–.05 27.13E–.06 10 9 0-2
THE VII 31 23 35 19.8 37N–86 26E–229 6–74 2.8,2.8 **¶621196061**
ISK VII 31 23 35 33.7 36.29N 27.12E 15–0 1.6L,2.8
ISC Event type ke.
ISK Event type ke.

ISC VIII 01 00 14 17.7–.87 36.34N–.02 27.08E–.02 13–6 3.6b 214 0-58
IDC VIII 01 00 14 15.2–.69 36.31N 27.08E 0 3.8b,3.7 **¶620925397**
ISK VIII 01 00 14 16.6 36.36N 27.06E 14–0 3.6L,3.7
ATH VIII 01 00 14 16.9 36.37N 27.06E 18–1 3.8L,3.7
THE VIII 01 00 14 17.6 36N–2.0 27E–2.0 10–3 3.7,3.7
AFAD VIII 01 00 14 18.5 36.36N 27.15E 8–2 3.8W,3.7
GFZ VIII 01 00 14 19.6–.26 36N–3.0 27E–2.0 10 4.0b,4.0
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/01 00:15:39, This location: 2021/11/26 02:15:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC VII 31 21 47 31.9–.85 36.37N–.02 27.11E–.02 16–6 3.7b 158 0-57
IDC VII 31 21 47 29.6–.72 36.42N 27.13E 0 3.7b,3.5 **¶620986153**
AFAD VII 31 21 47 30.9 36.30N 27.10E 7–2 3.6W,3.5
ISK VII 31 21 47 31.7 36.38N 27.17E 25–0 3.5L,3.5
ATH VII 31 21 47 31.8 36.37N 27.05E 16–1 3.5L,3.5
THE VII 31 21 47 32.2 36N–1.0 27E–3.0 11–4 3.4,3.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/31 21:48:54, This location: 2021/07/31 22:04:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC VII 31 23 24 07.6–1.3 36.33N–.04 27.16E–.05 35 18 0-2
ISK VII 31 23 24 05.7 36.32N 27.14E 21–0 2.3L **¶621196056**
THE VII 31 23 24 07.0 36N–60 27E–113 24–35 2.5,2.5
ISC Event type ke.
ISK Event type ke.

ISC VII 31 20 10 36.6–.84 36.36N–.02 27.07E–.02 15–6 3.8b 209 0-65
IDC VII 31 20 10 34.0–.66 36.41N 27.05E 0 3.8b,3.7 **¶620929549**
ATH VII 31 20 10 36.6 36.39N 27.06E 18–0 3.8L,3.7
ISK VII 31 20 10 36.5 36.38N 27.06E 10–0 3.7L,3.7
AFAD VII 31 20 10 37.2 36.36N 27.11E 7–2 3.8W,3.7
THE VII 31 20 10 37.1 36N–1.0 27E–2.0 10–2 3.7,3.7
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/31 20:12:03, This location: 2021/07/31 20:22:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC VII 31 20 43 23.3–.89 36.32N–.02 27.02E–.02 14–6 3.6b 167 0-58
IDC VII 31 20 43 20.6–.78 36.39N 27.03E 0 3.7b,3.5 **¶620986148**
ISK VII 31 20 43 23.5 36.34N 27.06E 5–0 3.4L,3.5
ATH VII 31 20 43 23.8 36.35N 27.06E 15–1 3.6L,3.5
THE VII 31 20 43 24.3 36N–1.0 27E–2.0 11–3 3.5,3.5
AFAD VII 31 20 43 24.6 36.34N 27.11E 7–2 3.7W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=13.6km s-min=10.9km az=175.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/31 20:44:43, This location: 2021/07/31 20:54:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

ISC VII 31 20 50 06.0–.92 36.36N–.02 27.01E–.02 13–7 92 0-32
IDC VII 31 20 50 02.9–1.8 36.26N 27.14E 0 3.1b,2.8 **¶620986149**
ISK VII 31 20 50 05.6 36.36N 27.02E 5–0 2.7L,2.8
THE VII 31 20 50 05.8 36N–4.0 27E–3.0 0–15 2.7,2.7
AFAD VII 31 20 50 06.7 36.35N 27.08E 7–3 2.6L,2.7
ATH VII 31 20 50 06.0 36.36N 27.05E 18–0 3.0L,2.7
ISC Event type ke.
IDC Error ellipse: s-maj=68.9km s-min=18.0km az=148.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/31 20:51:44, This location: 2021/07/31 21:14:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC VIII 01 04 35 56.4–.99 36.36N–.02 27.06E–.03 13–8 44 0-3
ISK VIII 01 04 35 55.7 36.33N 27.06E 5–0 2.9L **¶621366989**
THE VIII 01 04 35 56.5 36N–11 27E–13 7–9 3.8,3.8
AFAD VIII 01 04 35 58.9 36.44N 27.11E 6–1 3.5L,3.8
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC VII 31 23 25 42.2–.62 36.34N–.02 27.07E–.02 13–4 4.1b,3.3s 472 0-85
IDC VII 31 23 25 40.3–.56 36.28N 27.02E 0 4.0b,3.9 **¶620925390**
NEIC VII 31 23 25 42.0–1.4 36.33N–.04 27.06E–.05 10–1 4.4b,3.9
ISK VII 31 23 25 41.5 36.37N 27.02E 10–0 3.9L,3.9
ATH VII 31 23 25 41.3 36.36N 27.04E 16–0 4.1L,3.9
AFAD VII 31 23 25 42.7 36.35N 27.12E 6–3 4.2W,3.9
GII VII 31 23 25 42.6–.00 36.149N–.00 27.080E–.00 0 4.2,3.9
THE VII 31 23 25 42.1 36N–1.0 27E–2.0 7–3 4.1,4.1
GFZ VII 31 23 25 43.9–.18 36N–2.0 27E–2.0 10 4.1b,4.0
MCSM VII 31 23 25 43.2–.50 36N–3.0 27E–3.0 11–5 4.3b,4.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/31 23:27:02, This location: 2021/07/31 23:33:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC VIII 01 04 53 15.2–.96 36.34N–.03 27.08E–.03 17–7 3.2b 46 0-42
THE VIII 01 04 53 15.8 36N–5.0 27E–3.0 10–16 3.2,3.2 **¶620986170**
ISK VIII 01 04 53 15.1 36.36N 27.07E 2–0 3.0L,3.2
AFAD VIII 01 04 53 17.2 36.39N 27.18E 7–2 3.1L,3.2
IDC VIII 01 04 53 18.6–1.7 38.21N 26.62E 0 3.3L,3.2b
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=43.1km s-min=23.0km az=6.0.

ISC VIII 01 04 59 27.4–1.2 36.34N–.03 27.03E–.03 6–12 38 0-2
ISK VIII 01 04 59 27.8 36.32N 27.10E 10–0 3.1L **¶620969891**
AFAD VIII 01 04 59 28.6 36.35N 27.13E 7–1 2.7L
THE VIII 01 04 59 29.3 36N–19 27E–11 33–16 3.0,3.0
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC VIII 01 05 00 06.6–1.1 36.37N–.02 27.07E–.03 7–8 3.5b 58 0-42
IDC VIII 01 05 00 04.7–1.4 36.31N 27.06E 0 3.7b,3.5 **¶621367018**
THE VIII 01 05 00 06.8 36N–7.0 27E–5.0 9–16 3.5,3.5
ISK VIII 01 05 00 06.5 36.37N 27.10E 7–0 3.2L,3.5
AFAD VIII 01 05 00 08.3 36.44N 27.14E 7–2 3.0L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=18.6km az=156.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC VIII 01 00 54 17.4–.89 36.34N–.02 27.03E–.02 16–6 3.5b 123 0-58
IDC VIII 01 00 54 15.1–1.2 36.29N 27.01E 0 3.5b,3.4 **¶620986163**
ATH VIII 01 00 54 16.7 36.36N 26.96E 17–1 3.4L,3.4
THE VIII 01 00 54 17.6 36N–1.0 27E–2.0 10–3 3.3,3.3
ISK VIII 01 00 54 17.2 36.34N 27.07E 8–0 3.3L,3.3
AFAD VIII 01 00 54 18.2 36.36N 27.09E 7–3 3.6W,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=16.2km az=9.0.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/01 00:55:43, This location: 2021/08/01 01:03:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC VIII 01 05 10 50.4–.97 36.39N–.03 27.07E–.03 13–7 44 0-32
IDC VIII 01 05 10 49.9–1.9 36.02N 27.11E 0 3.4b,3.2 **¶620986171**
ISK VIII 01 05 10 49.5 36.37N 27.10E 5–0 2.6L,3.2
THE VIII 01 05 10 50.5 36N–3.0 27E–3.0 7–11 3.2,3.2
ISC Event type ke.
ISK Event type ke.

ISC VIII 01 05 12 36.0–.72 36.32N–.02 27.07E–.02 19–2 4.3b 609 0-126
IDC VIII 01 05 12 32.9–.48 36.28N 27.10E 0 4.3b,4.2 **¶620925415**
MOS VIII 01 05 12 33.1–1.0 36.25N 27.12E 12 4.6b,4.2
ISK VIII 01 05 12 33.8 36.36N 27.03E 8–0 4.2L,4.2
ATH VIII 01 05 12 34.8 36.34N 27.05E 16–1 4.3L,4.2
NEIC VIII 01 05 12 35.2–1.4 36.32N–.04 27.06E–.05 10–1 4.2b,4.2
PDG VIII 01 05 12 35.1–.64 36.33N 26.99E 8–2 4.2L,4.2
THE VIII 01 05 12 35.5 36N–1.0 27E–2.0 14–3 4.2,4.2
AFAD VIII 01 05 12 35.5 36.30N 27.16E 7–2 4.2W,4.2
NAO VIII 01 05 12 36.2 36.27N 27.10E 10 4.4b,4.2
GFZ VIII 01 05 12 36.8–.17 36N–2.0 27E–2.0 10 4.2b,4.1
GFZ VIII 01 05 12 38.0 36.22N 27.11E 10 4.1W,4.1
GII VIII 01 05 12 40.6–.00 35.94N–.07 27.34E–.02 0–0 4.3,4.1
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/08/01 05:13:55, This location: 2021/08/01 05:39:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke.
AFAD Event type se. Presumed earthquake.
NAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.32 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$1.51 $M_{r\theta}$0.48 $M_{\theta\phi}$0.38 $M_{\phi r}$-0.01 NP1: ϕ_s211.61346°,δ50.47125°,λ-62.54649°. NP2:ϕ_s352.38926°,δ46.80803°,λ-119.19214°. Principal axes: T 1.5903,Plg1.9442°,Azm282.5761°; N -0.0827,Plg20.8298°,Azm13.3161°; P -1.5076,Plg69.0711°,Azm187.4837° M_o1.55063×10^{15}
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC VIII 01 07 35 51.1–.94 36.36N–.02 27.04E–.02 10–7 99 0-32
IDC VIII 01 07 35 47.7–1.7 36.39N 27.32E 0 3.4b,3.1 **¶620986183**
ISK VIII 01 07 35 49.9 36.36N 27.00E 9–0 3.2L,3.1
ATH VIII 01 07 35 51.0 36.39N 27.05E 17–1 3.2L,3.1
THE VIII 01 07 35 51.1 36N–1.0 27E–1.0 6–3 3.1,3.1
AFAD VIII 01 07 35 51.6 36.40N 27.06E 6–2 3.0L,3.1

ISC Event type ke.
IDC Error ellipse: s-maj=40.7km s-min=17.5km az=145.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 07:37:36, This location: 2021/11/22 22:25:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**01 05 15 25.4–.91**	**36.35N–.02**	**27.07E–.02**	**11–6**	**4.0b**	**200**	**0-65**
IDC	VIII	01 05 15 23.6–.81	36.23N	27.12E	0	4.0b,3.9		**¶620969892**
ISK	VIII	01 05 15 24.6	36.35N	27.06E	4–0	3.9L,3.9		
ATH	VIII	01 05 15 24.9	36.36N	27.04E	12–2	3.9L,3.9		
AFAD	VIII	01 05 15 24.8	36.36N	27.03E	7–2	3.7L,3.9		
THE	VIII	01 05 15 25.5	36N–1.0	27E–2.0	6–3	3.7,3.7		
NEIC	VIII	01 05 15 25.0–1.1	36.39N–.03	27.08E–.04	11–5	4.0b,3.7		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/08/01 08:53:16, This location: 2021/08/01 10:12:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**01 06 13 06.8–.86**	**36.39N–.02**	**27.08E–.02**	**13–6**		**135**	**0-75**
IDC	VIII	01 06 13 05.1–1.1	36.37N	27.05E	0	3.7s,3.6b		**¶621367098**
ISK	VIII	01 06 13 05.8	36.38N	27.05E	8–0	3.1L,3.6b		
ATH	VIII	01 06 13 06.5	36.40N	27.14E	18–1	3.2L,3.6b		
THE	VIII	01 06 13 07.0	36N–1.0	27E–1.0	9–3	3.0,3.0		
AFAD	VIII	01 06 13 08.0	36.45N	27.13E	19–1	2.9L,3.0		

ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=13.9km az=158.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/08/01 06:14:53, This location: 2021/08/01 07:38:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**01 08 37 32.5–.86**	**36.30N–.02**	**27.04E–.01**	**13–5**	**4.3b,3.4s**	**636**	**0-127**
AFAD	VIII	01 08 37 30.9	36.31N	26.97E	18–1	4.3W,3.4s		**¶620925423**
IDC	VIII	01 08 37 30.2–.49	36.23N	27.07E	0	4.2b,4.2		
MOS	VIII	01 08 37 30.6–1.2	36.22N	27.16E	12	4.4b,4.2		
NEIC	VIII	01 08 37 31.7–1.2	36.22N–.05	27.03E–.02	10–1	4.4b,4.2		
ISK	VIII	01 08 37 31.3	36.35N	27.01E	9–0	4.3L,4.2		
ATH	VIII	01 08 37 32.3	36.33N	27.04E	16–3	4.4L,4.2		
THE	VIII	01 08 37 33.0	36N–1.0	27E–2.0	5–3	4.8,4.4		
MED_R	VIII	01 08 37 32.0	36.33N	27.04E	10	4.5W,4.4		
PDG	VIII	01 08 37 33.8–1.0	36.33N	27.02E	11–4	4.3L,4.4		
GFZ	VIII	01 08 37 34.4–.18	36N–2.0	27E–2.0	10	4.2b,4.1		
GII	VIII	01 08 37 35.2–.00	35.802N–.00	27.249E–.00	0	4.3,4.1		
NAO	VIII	01 08 37 41.3	36.27N	27.10E	10	4.4b,4.1		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=11.1km s-min=9.2km az=169.0.
MOS Error ellipse: s-maj=5.9km s-min=3.9km az=96.7.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=3.8km az=1.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/08/01 08:38:51, This location: 2021/08/01 08:56:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-6.48±.36 $M_{\theta\theta}$1.44±.33; $M_{\phi\phi}$0.00±.27; $M_{r\theta}$-2.49±1.94; $M_{\theta\phi}$3.14±.33; $M_{\phi r}$3.22±1.68; NP1:ϕ_s52.00000°,δ43.00000°,λ-53.00000°. NP2:ϕ_s186.00000°,δ57.00000°,λ-119.00000°. Principal axes: T 7.0600,Plg8.0000°,Azm296.0000°; N 1.3400,Plg24.0000°,Azm203.0000° ; P -8.4000,Plg64.0000°,Azm42.0000° $M_0$7.73000×10^{15}
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NAO Event type se. Presumed earthquake.

ISC	**VIII**	**01 08 47 04.2–.83**	**36.39N–.02**	**27.05E–.02**	**17–6**		**112**	**0-42**
IDC	VIII	01 08 47 01.2–1.8	36.36N	27.08E	0	3.5b,3.4		**¶620986189**
ISK	VIII	01 08 47 03.2	36.41N	27.03E	9–0	2.7L,3.4		
THE	VIII	01 08 47 04.5	36N–2.0	27E–2.0	14–4	3.4,3.4		
ATH	VIII	01 08 47 04.4	36.38N	27.05E	11–1	3.3L,3.4		
AFAD	VIII	01 08 47 04.2	36.36N	27.09E	7–1	2.7L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=61.6km s-min=20.3km az=148.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/01 13:11:48, This location: 2021/08/01 18:35:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**01 06 41 46.5–1.1**	**36.39N–.02**	**27.08E–.02**	**12–8**	**3.1b**	**119**	**0-42**
AFAD	VIII	01 06 41 43.4	36.36N	26.88E	4–4	3.3L		**¶620986177**
ISK	VIII	01 06 41 44.9	36.43N	27.00E	5–0	3.3L		
IDC	VIII	01 06 41 45.8–1.6	36.08N	27.07E	0	3.4b,3.4		
THE	VIII	01 06 41 46.5	36N–2.0	27E–2.0	12–5	3.1,3.1		
ATH	VIII	01 06 41 46.0	36.36N	27.08E	18–2	3.3L,3.1		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
IDC Error ellipse: s-maj=44.2km s-min=20.1km az=158.0.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/08/01 06:43:22, This location: 2021/08/01 08:25:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.

ISC	**VIII**	**01 09 19 46.3–.86**	**36.32N–.02**	**27.07E–.02**	**16–6**	**4.0b**	**203**	**0-126**
ISK	VIII	01 09 19 44.6	36.35N	27.01E	11–0	3.8L		**¶620969894**
AFAD	VIII	01 09 19 45.5	36.33N	27.03E	10–2	3.6L		
ATH	VIII	01 09 19 46.1	36.35N	27.12E	19–2	3.9L		
THE	VIII	01 09 19 46.2	36N–1.0	27E–1.0	8–3	3.8,3.8		
IDC	VIII	01 09 19 48.9–1.6	36.08N	27.16E	40–18	4.0L,4.0		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/01 09:21:06, This location: 2021/08/02 04:58:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=19.0km s-min=9.5km az=173.0.

ISC	**VIII**	**01 07 54 49.3–1.2**	**36.35N–.03**	**27.10E–.02**	**3–11**		**56**	**0-2**
AFAD	VIII	01 07 54 48.2	36.31N	27.10E	7–3	2.3L		**¶621367202**
THE	VIII	01 07 54 49.6	36N–2.0	27E–1.0	2–6	2.8,2.8		
ISK	VIII	01 07 54 50.0	36.33N	27.12E	3–0	2.6L,2.8		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VIII**	**01 08 47 23.3–1.1**	**36.29N–.03**	**27.16E–.03**	**15–8**	**3.6b**	**34**	**0-43**
IDC	VIII	01 08 47 20.2–1.2	36.30N	27.08E	0	3.7b,3.6		**¶620986192**
ISK	VIII	01 08 47 24.9	36.29N	27.17E	5–0	3.2L,3.6		
AFAD	VIII	01 08 47 26.6	36.47N	27.18E	8–3	3.0L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=13.6km az=151.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**01 08 52 39.6–.89**	**36.36N–.02**	**27.09E–.02**	**14–6**		**131**	**0-32**
ISK	VIII	01 08 52 38.9	36.43N	27.03E	3–0	3.6L		**¶621367272**
IDC	VIII	01 08 52 38.3–.98	36.41N	27.03E	0	3.9b,3.6		
ATH	VIII	01 08 52 40.3	36.41N	27.08E	16–1	3.7L,3.6		
AFAD	VIII	01 08 52 40.4	36.43N	27.06E	6–3	3.7W,3.6		
THE	VIII	01 08 52 40.8	36N–2.0	27E–2.0	15–4	3.7,3.7		
GII	VIII	01 08 52 43.3–.00	35.848N–.00	27.100E–.01	0	3.6,3.7		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 08:54:05, This location: 2021/08/02 04:55:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**VIII**	**01 09 13 24.9–.92**	**36.37N–.02**	**27.04E–.02**	**13–7**		**65**	**0-3**
THE	VIII	01 09 13 25.0	36N–2.0	27E–3.0	9–7	2.8,2.8		**¶621367285**
AFAD	VIII	01 09 13 24.4	36.36N	27.04E	7–1	2.7L,2.8		
ATH	VIII	01 09 13 24.9	36.38N	27.04E	13–1	2.9L,2.8		
ISK	VIII	01 09 13 24.7	36.37N	27.05E	20–0	3.2L,2.8		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 09:15:04, This location: 2021/11/22 22:22:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.

ISC	**VIII**	**01 07 07 49.6–1.3**	**36.43N–.03**	**27.16E–.04**	**3–11**		**26**	**0-2**
ISK	VIII	01 07 07 49.2	36.39N	27.13E	5–0	2.5L		**¶621367151**
AFAD	VIII	01 07 07 50.8	36.45N	27.20E	7–2	2.3L		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**01 09 25 42.2–.86**	**36.35N–.02**	**27.10E–.02**	**13–6**	**3.4b**	**146**	**0-43**
AFAD	VIII	01 09 25 40.8	36.33N	27.04E	8–1	3.3L		**¶621367295**
ISK	VIII	01 09 25 40.7	36.39N	26.99E	5–0	3.5L		
IDC	VIII	01 09 25 41.5–1.1	36.35N	27.14E	0	3.8L,3.6		
ATH	VIII	01 09 25 42.4	36.34N	27.09E	7–1	3.4L,3.6		
THE	VIII	01 09 25 43.1	36N–2.0	27E–2.0	13–5	3.3,3.3		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 09:27:33, This location: 2021/08/02 05:36:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	**VIII**	**01 09 14 28.6–.80**	**36.32N–.01**	**27.06E–.02**	**16–5**	**4.6b,3.9s**	**808**	**0-127**
IDC	VIII	01 09 14 25.7–.43	36.30N	27.01E	0	4.4b,4.3		**¶620925425**
MOS	VIII	01 09 14 26.3–1.1	36.26N	27.12E	12	4.8b,4.3		
ISK	VIII	01 09 14 26.6	36.37N	27.01E	5–0	4.5L,4.3		
ATH	VIII	01 09 14 27.9	36.33N	27.01E	6–2	4.6L,4.3		
NEIC	VIII	01 09 14 28.0–1.8	36.37N–.05	27.04E–.05	6–4	4.8b,4.5		
MCSM	VIII	01 09 14 27.6–.30	36N–3.0	27E–3.0	10	4.6b,4.6		
NEIC	VIII	01 09 14 28.1	36.35N	27.03E	5	4.6b,4.6		
THE	VIII	01 09 14 28.7	36N–1.0	27E–2.0	10–3	4.4,4.4		
MED_R	VIII	01 09 14 28.0	36.34N	27.07E	10	4.8W,4.4		
NAO	VIII	01 09 14 29.3	36.27N	27.09E	10	4.6b,4.4		
GFZ	VIII	01 09 14 29.1–.17	36N–2.0	27E–2.0	10	4.4b,4.2		
GCMT	VIII	01 09 14 29.4–.40	36.25N–.05	26.95E–.03	19–1	4.8W,4.2		
PDG	VIII	01 09 14 30.3–.50	36.25N	27.05E	32–0	4.5L,4.2		
AFAD	VIII	01 09 14 31.3	36.48N	27.18E	22–1	4.4W,4.2		
GII	VIII	01 09 14 33.2–.00	35.775N–.00	27.400E–.00	0	4.4,4.2		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/08/01 09:15:48, This location: 2021/08/01 09:39:40 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-6.78 $M_{\theta\theta}$1.91 $M_{\phi\phi}$4.87 $M_{r\theta}$1.80 $M_{\theta\phi}$2.74 $M_{\phi r}$-0.29 NP1:ϕ_s18.52000°,δ43.49000°,λ-108.63000°. NP2:ϕ_s223.45000°,δ49.29000° ,λ-73.14000°. Principal axes: T 6.5377,Plg3.0000°,Azm302.0000°; N 0.6630,Plg13.0000° ,Azm32.0000°; P -7.2007,Plg77.0000°,Azm199.0000° $M_0$6.89000×10^{15}
NEIC Event type se.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-1.12±.07 $M_{\theta\theta}$0.37±.07; $M_{\phi\phi}$0.00±.05; $M_{r\theta}$-0.86±.31; $M_{\theta\phi}$0.34±.06; $M_{\phi r}$-0.95±.24; NP1: ϕ_s205.00000°,δ20.00000°,λ-103.00000°. NP2:ϕ_s39.00000°,δ71.00000°,λ-85.00000°. Principal axes: T 1.5500,Plg26.0000°,Azm126.0000°; N 0.1900,Plg4.0000°,Azm218.0000° ; P -1.7400,Plg64.0000°,Azm317.0000° $M_0$1.65000×10^{16}
NAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108010914A. Moment Tensor Solution. s13,c14; s82,c112; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.13±.17 $M_{\theta\theta}$0.55±.10; $M_{\phi\phi}$1.58±.10; $M_{r\theta}$0.70±.28; $M_{\theta\phi}$0.08±.07; $M_{\phi r}$0.34±.21; Best double couple: NP1:ϕ_s354.00000°,δ40.00000° ,λ-110.00000°. NP2:ϕ_s200.00000°,δ53.00000°,λ-74.00000°. Principal axes: T 1.6320,Plg7.0000°,Azm279.0000°; N 0.6940,Plg13.0000°,Azm10.0000° ; P -2.3290,Plg76.0000°,Azm161.0000° $M_0$1.98000×10^{16}
PDG Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**VIII**	**01 08 20 38.2–.00**	**36.35N–.02**	**27.01E–.02**	**16–8**	**4.3s,3.5b**	**207**	**0-87**
IDC	VIII	01 08 20 37.2–.87	36.51N	26.96E	0	3.6b,3.6s		**¶620986188**
ATH	VIII	01 08 20 38.5	36.35N	26.92E	15–1	3.6L,3.6s		
ISK	VIII	01 08 20 38.4	36.36N	27.03E	10–0	3.5L,3.6s		
THE	VIII	01 08 20 39.6	36N–2.0	27E–2.0	12–4	3.3,3.3		
AFAD	VIII	01 08 20 39.0	36.34N	27.05E	7–3	3.6W,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=12.8km az=157.0.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/01 08:22:19, This location: 2021/08/01 16:03:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**01 10 58 26.5–.91**	**36.35N–.02**	**27.13E–.02**	**13–7**		**109**	**0-32**
IDC	VIII	01 10 58 25.7–1.6	36.53N	26.79E	0	3.4b,3.1		**¶620986207**
ATH	VIII	01 10 58 26.9	36.38N	27.16E	17–1	3.3L,3.1		
ISK	VIII	01 10 58 26.5	36.37N	27.06E	2–0	3.1L,3.1		
AFAD	VIII	01 10 58 27.8	36.43N	27.14E	4–2	2.7L,3.1		
THE	VIII	01 10 58 27.0	36N–1.0	27E–2.0	9–3	3.2,3.2		

ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/01 10:59:53, This location: 2021/08/02 06:15:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

AFAD	**VIII**	**01 07 24 03.7**	**36.46N**	**27.16E**	**19–1**	**1.8L**		
ISK	VIII	01 07 24 01.6	36.42N	27.11E	1–0	2.3L		**¶625006073**

AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VIII**	**01 11 25 06.6–1.2**	**36.36N–.03**	**27.10E–.03**	**5–10**		**33**	**0-2**
ISK	VIII	01 11 25 06.6	36.36N	27.10E	7–0	2.4L		**¶621367415**
THE	VIII	01 11 25 06.5	36N–3.0	27E–2.0	0–11	2.6		
AFAD	VIII	01 11 25 07.5	36.40N	27.16E	7–3	2.3L		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**01 07 31 59.1–.80**	**36.43N–.02**	**27.12E–.02**	**16–5**		**170**	**0-33**
IDC	VIII	01 07 31 57.4–1.3	36.48N	26.98E	0	3.4b,3.4		**¶620986182**
ISK	VIII	01 07 31 57.7	36.43N	27.06E	10–0	3.0L,3.4		
ATH	VIII	01 07 31 59.1	36.41N	27.12E	12–1	3.2L,3.4		
THE	VIII	01 07 31 59.2	36N–2.0	27E–2.0	15–7	3.0,3.0		
AFAD	VIII	01 07 32 02.2	36.53N	27.49E	0–6	3.4W,3.0		

ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=15.0km az=158.0.
ISK Event type ke.

ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/01 07:33:36, This location: 2021/08/01 14:06:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 09 55 28.1–1.2 36.41N–.03 27.13E–.03 8–11 29 0-2
ISK VIII 01 09 55 27.4 36.36N 27.12E 5–0 2.5L **¶626339085**
AFAD VIII 01 09 55 30.2 36.49N 27.14E 7–1 2.2L
THE VIII 01 09 55 46.8 37N–51 26E–51 3–30 2.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 09 56 07.6–.99 36.34N–.03 27.04E–.03 14–8 37 0-2
ISK VIII 01 09 56 07.8 36.37N 27.04E 6–0 2.9L **¶621367315**
THE VIII 01 09 56 07.8 36N–6.0 27E–7.0 7–13 3.0,3.0
AFAD VIII 01 09 56 09.1 36.36N 27.20E 7–2 2.4L,3.0
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 13 24 54.4–.85 36.35N–.02 27.06E–.02 15–6 3.9b 189 0-126
IDC VIII 01 13 24 52.7–.69 36.40N 27.00E 0 4.0b,3.8 **¶620969895**
ISK VIII 01 13 24 53.3 36.39N 27.02E 8–0 3.6L,3.8
THE VIII 01 13 24 54.3 36N–2.0 27E–2.0 9–3 3.5,3.5
AFAD VIII 01 13 24 54.7 36.36N 27.12E 13–2 3.5L,3.5
NEIC VIII 01 13 24 54.1–1.5 36.20N–.04 27.11E–.03 10–1 4.0b,3.5
ATH VIII 01 13 24 54.2 36.36N 27.04E 13–1 3.6L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=13.6km s-min=9.6km az=7.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.9km az=18.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 13:26:20, This location: 2021/08/02 06:35:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VIII 01 12 50 48.1–.94 36.33N–.02 27.06E–.02 13–7 4.0s,3.4b 153 0-79
IDC VIII 01 12 50 45.3–.90 36.13N 27.24E 0 3.7L,3.5b **¶620986213**
AFAD VIII 01 12 50 45.4 36.23N 26.97E 3–1 3.4L,3.5b
ISK VIII 01 12 50 47.6 36.36N 27.02E 10–0 3.5L,3.5b
ATH VIII 01 12 50 48.2 36.33N 27.06E 11–4 3.5L,3.5b
THE VIII 01 12 50 48.5 36N–2.0 27E–2.0 9–3 3.4,3.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/01 12:52:09, This location: 2021/08/02 07:08:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISC VIII 01 12 56 40.5–1.1 36.37N–.03 27.04E–.03 11–9 38 0-2
ISK VIII 01 12 56 39.8 36.37N 27.02E 8–0 2.6L **¶621367493**
AFAD VIII 01 12 56 40.6 36.33N 27.15E 8–2 2.3L
THE VIII 01 12 56 40.6 36N–16 27E–13 6–17 2.7,2.7
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 13 34 54.8–.92 36.37N–.02 27.05E–.02 14–6 3.5b 140 0-58
IDC VIII 01 13 34 52.9–.91 36.33N 27.12E 0 3.6b,3.4 **¶620986216**
ISK VIII 01 13 34 54.0 36.38N 27.01E 15–0 3.4L,3.4
ATH VIII 01 13 34 54.5 36.37N 27.04E 16–1 3.4L,3.4
THE VIII 01 13 34 55.0 36N–2.0 27E–2.0 12–4 3.2,3.2
AFAD VIII 01 13 34 55.5 36.40N 27.09E 17–1 3.2L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=11.8km az=155.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 13:36:29, This location: 2021/08/02 07:09:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 13 37 16.2–1.1 36.36N–.03 27.04E–.03 12–10 25 0-2
ISK VIII 01 13 37 15.4 36.36N 27.03E 11–0 2.4L **¶621367524**
THE VIII 01 13 37 16.6 36N–41 27E–28 13–29 2.6,2.6
ISC Event type ke.
ISK Event type ke.
ISC VIII 01 13 43 37.0–.86 36.36N–.02 27.09E–.02 14–6 3.2b 113 0-42
ISK VIII 01 13 43 35.7 36.39N 27.05E 5–0 3.1L **¶620986218**
IDC VIII 01 13 43 36.0–.91 36.31N 26.96E 0 3.5b,3.4
AFAD VIII 01 13 43 36.7 36.38N 27.12E 4–2 2.8L,3.4
ATH VIII 01 13 43 36.6 36.38N 27.08E 15–1 3.2L,3.4
THE VIII 01 13 43 37.1 36N–1.0 27E–2.0 9–3 3.2,3.2
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 13:45:19, This location: 2021/08/02 07:18:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VIII 01 14 24 26.4–1.1 36.39N–.03 27.11E–.03 8–9 48 0-32
IDC VIII 01 14 24 23.8–1.5 36.29N 27.32E 0 3.3b,3.2 **¶621367554**
ISK VIII 01 14 24 25.7 36.39N 27.11E 5–0 2.7L,3.2
THE VIII 01 14 24 26.3 36N–5.0 27E–3.0 0–13 3.0,3.0
AFAD VIII 01 14 24 26.3 36.39N 27.13E 7–2 2.5L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=21.6km az=172.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK VIII 01 10 44 37.8 36.42N 27.08E 3–0 2.5L
AFAD VIII 01 10 44 42.9 36.64N 27.21E 7–6 1.9L **¶621367374**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH VIII 01 10 44 57.8 36.37N 25.65E 15–1 1.0L
¶626438484
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/01 10:46:32, This location: 2021/08/02 05:22:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 3 km.
ISC VIII 01 10 45 52.6–.94 36.34N–.02 27.03E–.02 11–7 3.7b 125 0-42
AFAD VIII 01 10 45 47.7 36.18N 26.99E 5–3 3.5L **¶620986205**
IDC VIII 01 10 45 52.7–.86 36.38N 27.02E 0 3.8b,3.8
ISK VIII 01 10 45 52.6 36.38N 27.04E 8–0 3.5L,3.8
ATH VIII 01 10 45 53.6 36.59N 26.87E 18–1 3.6L,3.8
THE VIII 01 10 45 53.7 37N–4.0 27E–3.0 30–7 3.5,3.5
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/01 10:47:17, This location: 2021/08/02 05:43:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISC VIII 01 12 26 01.3–1.1 36.37N–.03 27.05E–.03 10–9 42 0-2
ISK VIII 01 12 26 00.5 36.37N 27.04E 10–0 2.5L **¶621367482**
THE VIII 01 12 26 01.1 36N–9.0 27E–5.0 10–22 2.6,2.6
AFAD VIII 01 12 26 02.1 36.38N 27.14E 9–1 2.2L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 15 34 09.1–.91 36.40N–.02 27.11E–.02 13–7 60 0-2
ATH VIII 01 15 34 08.6 36.40N 27.07E 16–1 2.7L **¶621367586**
ISK VIII 01 15 34 08.0 36.39N 27.09E 3–0 2.4L
AFAD VIII 01 15 34 09.5 36.43N 27.18E 17–2 2.3L
THE VIII 01 15 34 09.4 36N–16 27E–9.0 0–39 2.5
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/01 22:45:13, This location: 2021/08/02 07:58:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 14 27 10.6–.97 36.41N–.02 27.03E–.03 9–8 52 0-2
ISK VIII 01 14 27 09.9 36.40N 27.06E 7–0 2.6L **¶621367556**
THE VIII 01 14 27 10.8 36N–6.0 27E–5.0 0–16 2.8,2.8
ATH VIII 01 14 27 10.0 36.40N 26.97E 12–1 2.7L,2.8
AFAD VIII 01 14 27 14.6 36.52N 27.44E 7–4 2.3L,2.8
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 14:29:07, This location: 2021/08/02 08:04:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 15 50 55.5–.86 36.36N–.02 27.06E–.02 16–6 101 0-32
IDC VIII 01 15 50 51.6–1.3 36.54N 27.18E 0 3.5b,3.4 **¶620986226**
ISK VIII 01 15 50 54.1 36.35N 27.02E 5–0 3.0L,3.4
THE VIII 01 15 50 56.0 36N–2.0 27E–2.0 10–9 3.0,3.0
ATH VIII 01 15 50 55.6 36.36N 27.05E 15–1 3.2L,3.0
AFAD VIII 01 15 50 58.1 36.46N 27.19E 17–1 2.7L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=16.7km az=15.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/01 15:52:35, This location: 2021/08/02 08:14:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 12 32 58.7–1.2 36.37N–.03 27.09E–.04 4–12 30 0-2
ISK VIII 01 12 32 57.4 36.37N 27.09E 5–0 2.2L **¶621367484**
THE VIII 01 12 32 59.0 36N–19 27E–16 13–18 2.6,2.6
AFAD VIII 01 12 32 58.9 36.38N 27.16E 7–1 2.0L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 13 14 26.9–.89 36.36N–.02 27.03E–.02 13–6 162 0-42
IDC VIII 01 13 14 24.5–1.1 36.32N 27.09E 0 3.7b,3.6 **¶620986215**
ISK VIII 01 13 14 25.6 36.38N 26.99E 9–0 3.4L,3.6
ATH VIII 01 13 14 26.9 36.36N 27.06E 16–1 3.4L,3.6
AFAD VIII 01 13 14 26.7 36.37N 27.05E 19–2 3.3L,3.6
THE VIII 01 13 14 26.9 36N–1.0 27E–2.0 10–3 3.3,3.3
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 13:15:51, This location: 2021/08/02 06:03:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 16 03 50.0–.87 36.36N–.02 27.08E–.02 12–6 3.5b 168 0-59
IDC VIII 01 16 03 48.1–.79 36.29N 27.09E 0 3.7b,3.6 **¶620925727**
ATH VIII 01 16 03 49.7 36.34N 27.02E 5–1 3.7L,3.6
ISK VIII 01 16 03 49.7 36.36N 27.08E 9–0 3.4L,3.6
THE VIII 01 16 03 50.4 36N–2.0 27E–2.0 10–4 3.5,3.5
AFAD VIII 01 16 03 51.1 36.40N 27.11E 7–0 3.6W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=11.6km az=165.0.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/01 16:05:11, This location: 2021/08/01 17:15:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 16 04 42.8–.60 36.39N–.01 27.07E–.01 14–3 3.9b 394 0-126
IDC VIII 01 16 04 39.9–.50 36.32N 27.10E 0 4.0b,3.9 **¶620986227**
ISK VIII 01 16 04 40.9 36.38N 27.02E 5–0 4.0L,3.9
ATH VIII 01 16 04 41.9 36.47N 27.01E 6–1 4.1L,3.9
THE VIII 01 16 04 42.2 36N–3.0 27E–2.0 10–7 4.0,4.0
NEIC VIII 01 16 04 42.8–2.6 36.22N–.04 27.19E–.04 10–1 4.1b,4.0
AFAD VIII 01 16 04 43.2 36.41N 27.14E 8–2 4.2W,4.0
GFZ VIII 01 16 04 44.4–.27 36N–3.0 27E–2.0 10 4.2,4.1b
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/01 16:06:30, This location: 2021/08/01 17:05:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 01 16 08 09.3–.93 36.37N–.02 27.14E–.02 10–7 83 0-2
ISK VIII 01 16 08 09.4 36.32N 27.15E 9–0 2.7L **¶621367598**
THE VIII 01 16 08 09.1 36N–2.0 27E–2.0 0–6 2.9,2.9
ATH VIII 01 16 08 09.1 36.36N 27.10E 12–1 2.9L,2.9
AFAD VIII 01 16 08 09.7 36.41N 27.15E 10–2 2.6L,2.9
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/02 00:36:03, This location: 2021/08/02 08:30:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 16 09 27.8–.99 36.38N–.03 27.01E–.02 12–8 48 0-2
THE VIII 01 16 09 27.9 36N–8.0 27E–4.0 0–19 2.6,2.6 **¶621367599**
ISK VIII 01 16 09 27.9 36.38N 27.06E 6–0 2.4L,2.6
AFAD VIII 01 16 09 29.2 36.44N 27.10E 7–2 2.3L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 16 12 56.3–.97 36.40N–.03 27.11E–.02 12–8 43 0-2
ISK VIII 01 16 12 55.8 36.38N 27.09E 11–0 2.2L **¶621367600**
THE VIII 01 16 12 56.0 36N–22 27E–21 7–22 2.6,2.6
AFAD VIII 01 16 12 57.2 36.43N 27.19E 13–3 2.1L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 14 57 39.2–.96 36.36N–.02 27.03E–.02 10–8 72 0-3
THE VIII 01 14 57 38.8 36N–26 27E–25 0–25 3.1,3.1 **¶621367573**
ISK VIII 01 14 57 39.1 36.35N 27.05E 8–0 2.9L,3.1
ATH VIII 01 14 57 39.1 36.37N 27.04E 14–2 2.9L,3.1
AFAD VIII 01 14 57 40.8 36.40N 27.15E 8–3 2.3L,3.1
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 14:59:09, This location: 2021/11/22 22:07:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 16 13 49.1–1.2 36.34N–.03 27.07E–.03 5–10 38 0-2
THE VIII 01 16 13 49.3 36N–32 27E–20 0–35 2.9 **¶621367603**
ISK VIII 01 16 13 49.2 36.35N 27.06E 10–0 2.5L
AFAD VIII 01 16 13 51.4 36.40N 27.21E 7–3 2.4L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 16 51 52.9–.84 36.38N–.02 27.04E–.03 18–3 3.5b 92 0-58
IDC VIII 01 16 51 50.2–.77 36.36N 27.08E 0 3.6b,3.4 **¶621367622**
THE VIII 01 16 51 53.6 36N–12 27E–16 13–11 3.4,3.4
ISK VIII 01 16 51 53.3 36.36N 27.05E 11–0 3.4L,3.4
ATH VIII 01 16 51 53.0 36.38N 26.99E 17–2 3.4L,3.4
AFAD VIII 01 16 51 55.9 36.49N 27.24E 26–1 3.0L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=14.5km s-min=11.8km az=4.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/01 16:53:36, This location: 2021/08/02 11:41:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

ISC VIII 01 16 30 42.5–1.0 36.38N–.02 27.11E–.02 10–8 59 0-3
ISK VIII 01 16 30 41.7 36.36N 27.08E 9–0 2.3L **¶621367612**
THE VIII 01 16 30 42.4 36N–4.0 27E–3.0 0–10 2.6,2.6
AFAD VIII 01 16 30 43.0 36.42N 27.18E 13–1 2.4L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 16 57 06.6–.95 36.32N–.02 27.11E–.02 18–4 115 0-39
IDC VIII 01 16 57 03.9–1.0 36.39N 27.02E 0 3.3b,3.3 **¶620986231**
ISK VIII 01 16 57 06.2 36.36N 27.05E 3–0 3.4L,3.3
THE VIII 01 16 57 07.3 36N–1.0 27E–2.0 10–3 3.2,3.2
ATH VIII 01 16 57 07.1 36.36N 27.06E 16–2 3.2L,3.2
AFAD VIII 01 16 57 08.5 36.40N 27.16E 19–1 2.9L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=17.7km s-min=12.6km az=5.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 16:58:32, This location: 2021/08/02 08:36:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 15 10 58.3–.85 36.37N–.02 27.10E–.02 15–6 92 0-32
IDC VIII 01 15 10 54.0–1.4 36.21N 27.07E 0 3.4b,3.3 **¶620986224**
ISK VIII 01 15 10 56.6 36.36N 27.07E 5–0 3.0L,3.3
ATH VIII 01 15 10 58.5 36.38N 27.10E 11–2 3.1L,3.3
THE VIII 01 15 10 59.1 36N–4.0 27E–3.0 9–16 2.9,2.9
AFAD VIII 01 15 11 01.7 36.48N 27.31E 7–2 2.6L,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=32.8km s-min=18.0km az=4.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/01 15:12:40, This location: 2021/08/02 07:29:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 16 33 35.8–1.0 36.38N–.03 27.04E–.02 12–8 53 0-3
ISK VIII 01 16 33 34.7 36.35N 27.05E 5–0 2.7L **¶621367616**
THE VIII 01 16 33 35.6 36N–5.0 27E–3.0 6–14 2.7,2.7
AFAD VIII 01 16 33 36.7 36.41N 27.19E 23–0 2.3L,2.7
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 16 39 17.2–.86 36.36N–.02 27.07E–.02 16–6 93 0-64
IDC VIII 01 16 39 13.4–1.4 36.36N 27.08E 0 3.5b,3.2 **¶621367619**
ISK VIII 01 16 39 16.7 36.36N 27.04E 4–0 2.9L,3.2
THE VIII 01 16 39 17.6 36N–3.0 27E–3.0 10–9 3.2,3.2
ATH VIII 01 16 39 17.3 36.36N 27.03E 10–1 3.1L,3.2
AFAD VIII 01 16 39 19.9 36.47N 27.19E 20–2 2.7L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=16.2km az=173.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/01 16:40:51, This location: 2021/08/02 09:53:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 20 25 17.7–.93 36.34N–.02 27.07E–.02 10–6 3.6b,3.2s 213 0-92
ISK VIII 01 20 25 16.5 36.35N 27.01E 9–0 3.7L,3.2s **¶620969881**
THE VIII 01 20 25 17.9 36N–1.0 27E–1.0 6–2 3.6,3.6
IDC VIII 01 20 25 17.2–.80 36.19N 27.07E 0 3.7b,3.6
ATH VIII 01 20 25 17.5 36.35N 27.06E 14–3 3.7L,3.6
AFAD VIII 01 20 25 20.9 36.50N 27.22E 4–2 3.8W,3.6
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=11.9km az=159.0.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/01 20:26:42, This location: 2021/08/01 20:47:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 15 17 17.4–1.1 36.36N–.03 27.07E–.02 7–10 47 0-2
ISK VIII 01 15 17 17.1 36.36N 27.08E 4–0 2.4L **¶621367580**
THE VIII 01 15 17 17.3 36N–12 27E–6.0 0–22 2.6,2.6
AFAD VIII 01 15 17 18.3 36.42N 27.13E 8–2 2.1L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 20 29 01.1–.91 36.32N–.02 27.08E–.02 12–6 3.5b 187 0-79
ISK VIII 01 20 28 59.9 36.35N 27.01E 8–0 3.6L **¶620969882**
IDC VIII 01 20 28 59.8–.89 36.30N 27.01E 0 3.7b,3.6
ATH VIII 01 20 29 01.1 36.32N 27.05E 13–2 3.7L,3.6
THE VIII 01 20 29 01.2 36N–1.0 27E–2.0 8–3 3.5,3.5
AFAD VIII 01 20 29 02.9 36.41N 27.18E 19–1 3.7W,3.5
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=11.9km az=169.0.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/01 20:30:23, This location: 2021/08/01 21:02:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 22 26 07.8–.84 36.43N–.02 27.06E–.02 12–6 147 0-39
ISK VIII 01 22 26 06.8 36.44N 27.00E 7–0 3.4L **¶621367814**
IDC VIII 01 22 26 06.4–1.1 36.37N 27.06E 0 3.4b,3.3
ATH VIII 01 22 26 07.4 36.42N 27.04E 13–2 3.4L,3.3
THE VIII 01 22 26 08.2 36N–2.0 27E–2.0 10–9 3.3,3.3
AFAD VIII 01 22 26 09.0 36.49N 27.15E 17–1 3.1L,3.3
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=13.7km az=157.0.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/01 22:27:33, This location: 2021/08/02 00:12:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 20 37 25.9–.94 36.34N–.02 27.08E–.02 10–7 3.6b,3.3s 271 0-76
IDC VIII 01 20 37 24.1–.86 36.09N 27.09E 0 3.8b,3.6 **¶620925739**
ISK VIII 01 20 37 24.3 36.37N 27.01E 8–0 3.8L,3.6
ATH VIII 01 20 37 25.4 36.35N 27.06E 14–2 3.8L,3.6
THE VIII 01 20 37 25.8 36N–1.0 27E–2.0 6–3 3.7,3.7
AFAD VIII 01 20 37 26.7 36.45N 27.07E 15–2 3.9W,3.7
GFZ VIII 01 20 37 28.0–.23 36N–3.0 27E–2.0 10 4.1b,4.1
GII VIII 01 20 37 28.6–.00 35.74N–.03 27.25E–.06 0 3.8,4.1
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/01 20:38:45, This location: 2021/08/01 22:33:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VIII 01 20 44 54.5–.85 36.37N–.02 27.06E–.02 16–6 3.3b 126 0-42
IDC VIII 01 20 44 52.9–.92 36.44N 26.92E 0 3.5b,3.4 **¶620986235**
ISK VIII 01 20 44 53.4 36.38N 27.00E 7–0 3.4L,3.4
THE VIII 01 20 44 54.7 36N–2.0 27E–2.0 7–3 3.2,3.2
ATH VIII 01 20 44 54.1 36.34N 27.05E 12–4 3.3L,3.2
AFAD VIII 01 20 44 56.1 36.43N 27.17E 8–2 3.5W,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=12.6km az=152.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/01 20:46:29, This location: 2021/08/01 23:55:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 4 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 17 44 25.3–.71 36.42N–.01 27.16E–.01 17–5 3.8b 405 0-76
IDC VIII 01 17 44 22.8–.62 36.43N 27.06E 0 3.9b,3.9 **¶620925731**
ISK VIII 01 17 44 23.9 36.42N 27.08E 16–0 4.0L,3.9
THE VIII 01 17 44 25.4 36N–2.0 27E–2.0 16–6 4.0,4.0
ATH VIII 01 17 44 25.1 36.42N 27.23E 18–0 4.1L,4.0
AFAD VIII 01 17 44 26.9 36.49N 27.20E 13–2 4.0W,4.0
GFZ VIII 01 17 44 26.8–.20 36N–2.0 27E–2.0 10 4.3b,4.2
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/01 17:45:44, This location: 2021/08/01 18:28:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 01 17 49 19.3–.88 36.32N–.02 27.05E–.02 14–6 3.4b 160 0-75
IDC VIII 01 17 49 17.5–.93 36.43N 26.92E 0 3.5b,3.4 **¶620986232**
ISK VIII 01 17 49 18.1 36.33N 26.98E 6–0 3.6L,3.4
ATH VIII 01 17 49 19.2 36.33N 27.04E 16–1 3.6L,3.4
THE VIII 01 17 49 19.6 36N–2.0 27E–2.0 10–4 3.5,3.5
AFAD VIII 01 17 49 22.1 36.47N 27.18E 20–1 3.4L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=25.5km s-min=13.0km az=155.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/01 17:50:52, This location: 2021/08/01 20:35:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 02 01 13 58.3–.86 36.41N–.02 27.14E–.02 16–6 70 0-3
THE VIII 02 01 13 58.3 36N–1.0 27E–1.0 11–7 2.5,2.5 **¶621367874**
ATH VIII 02 01 13 58.1 36.40N 27.09E 16–0 2.6L,2.5
ISK VIII 02 01 13 58.7 36.40N 27.19E 12–0 2.7L,2.5
AFAD VIII 02 01 13 59.7 36.42N 27.18E 7–3 2.1L,2.5
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/02 01:15:46, This location: 2021/08/02 09:24:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 02 01 14 36.8–.91 36.36N–.02 27.11E–.02 12–7 72 0-2
THE VIII 02 01 14 36.7 36N–6.0 27E–3.0 8–9 3.0,3.0 **¶621367877**
ATH VIII 02 01 14 36.3 36.38N 27.01E 14–2 3.0L,3.0
ISK VIII 02 01 14 37.4 36.30N 27.10E 23–0 2.8L,3.0
AFAD VIII 02 01 14 39.1 36.47N 27.22E 23–0 2.5L,3.0
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/02 01:16:20, This location: 2021/08/02 09:33:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 23 02 44.6–.94 36.33N–.02 27.04E–.02 14–7 99 0-42
IDC VIII 01 23 02 42.2–3.2 36.21N 27.01E 0 3.2b,3.1 **¶620986242**
THE VIII 01 23 02 44.9 36N–1.0 27E–1.0 8–2 3.1,3.1
ATH VIII 01 23 02 44.5 36.34N 27.05E 19–2 3.2L,3.1
ISK VIII 01 23 02 44.6 36.33N 27.04E 16–0 3.3L,3.1
AFAD VIII 01 23 02 46.8 36.41N 27.19E 14–1 3.1L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=75.3km s-min=23.8km az=173.0.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/01 23:04:28, This location: 2021/08/02 00:17:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 02 05 09 47.5–1.0 36.32N–.02 27.11E–.03 11–9 39 0-2
ISK VIII 02 05 09 46.9 36.32N 27.11E 11–0 2.3L **¶625006152**
THE VIII 02 05 09 47.3 36N–2.0 27E–2.0 3–6 2.5,2.5
AFAD VIII 02 05 09 52.4 36.49N 27.40E 7–4 1.9L,2.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 23 33 40.9–1.2 36.44N–.03 27.08E–.04 11–9 44 0-2
ISK VIII 01 23 33 40.7 36.42N 27.05E 10–0 2.5L **¶621367852**
AFAD VIII 01 23 33 41.5 36.46N 27.13E 12–2 2.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 21 38 23.8–.69 36.36N–.02 27.16E–.02 14–4 3.8b,3.0s 220 0-60
ISK VIII 01 21 38 22.6 36.37N 26.99E 6–0 3.8L,3.0s **¶620969883**
IDC VIII 01 21 38 22.5–.77 36.40N 26.97E 0 4.0b,3.8
ATH VIII 01 21 38 23.9 36.37N 27.13E 18–2 3.7L,3.8
THE VIII 01 21 38 23.8 36N–1.0 27E–2.0 0–3 3.5,3.5
AFAD VIII 01 21 38 25.2 36.43N 27.15E 18–1 3.9W,3.5
GII VIII 01 21 38 27.5–.00 35.950N–.01 27.241E–.00 0–0 3.8,3.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/01 21:39:43, This location: 2021/08/02 00:00:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VIII 02 03 39 48.4–1.0 36.42N–.02 27.18E–.03 8–9 36 0-2
THE VIII 02 03 39 48.5 36N–13 27E–13 0–12 2.6,2.6 **¶621367901**
ISK VIII 02 03 39 48.0 36.42N 27.17E 7–0 2.4L,2.6
AFAD VIII 02 03 39 51.1 36.53N 27.29E 17–1 2.1L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 02 02 06 01.0–.92 36.33N–.02 27.05E–.02 14–7 98 0-42
IDC VIII 02 02 05 58.6–1.3 36.32N 26.95E 0 4.1s,3.4b **¶620993195**
ATH VIII 02 02 06 00.9 36.32N 27.05E 17–1 3.1L,3.4b
ISK VIII 02 02 06 00.6 36.34N 27.04E 8–0 3.0L,3.4b
THE VIII 02 02 06 01.4 36N–2.0 27E–2.0 9–6 3.2,3.2
AFAD VIII 02 02 06 04.2 36.44N 27.26E 15–1 2.9L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=35.1km s-min=19.6km az=169.0.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/02 02:07:40, This location: 2021/08/02 03:40:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
AFAD VIII 02 05 16 06.5 36.47N 27.13E 26–0 2.3L
ISK VIII 02 05 16 04.8 36.33N 27.05E 7–0 2.5L **¶620969901**
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
AFAD VIII 02 09 51 45.3 36.36N 27.09E 7–2 1.7L
¶626714503
AFAD Event type se. Presumed earthquake.
ISC VIII 02 02 36 32.7–.82 36.41N–.02 27.12E–.02 16–5 3.1b 108 0-42
IDC VIII 02 02 36 30.6–1.0 36.27N 27.12E 0 3.3b,3.2 **¶620993197**
ATH VIII 02 02 36 32.4 36.41N 27.11E 17–1 3.3L,3.2
ISK VIII 02 02 36 32.2 36.39N 27.06E 9–0 3.1L,3.2
AFAD VIII 02 02 36 32.6 36.43N 27.10E 17–1 2.9L,3.2
THE VIII 02 02 36 33.0 36N–3.0 27E–2.0 8–10 3.4,3.4
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/02 02:38:01, This location: 2021/08/02 03:42:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 02 02 51 18.7–.87 36.39N–.02 27.11E–.02 18–5 83 0-32
IDC VIII 02 02 51 15.9–1.5 36.45N 26.98E 0 3.3b,3.1 **¶620993199**

ATH VIII 02 02 51 19.4 36.39N 27.12E 15–1 2.8L,3.1
ISK VIII 02 02 51 19.9 36.34N 27.17E 16–0 2.7L,3.1
THE VIII 02 02 51 19.5 36N–2.0 27E–2.0 12–10 2.7,2.7
AFAD VIII 02 02 51 21.6 36.48N 27.21E 7–2 2.2L,2.7
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=21.3km az=172.0.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/02 02:53:18, This location: 2021/08/02 09:18:46 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 02 03 08 37.3–.90 36.38N–.02 27.10E–.02 13–6 84 0-3
ISK VIII 02 03 08 36.6 36.39N 27.09E 10–0 2.8L **¶621367898**
THE VIII 02 03 08 37.1 36N–1.0 27E–1.0 11–3 2.7,2.7
ATH VIII 02 03 08 37.0 36.39N 27.08E 14–2 2.7L,2.7
AFAD VIII 02 03 08 38.5 36.42N 27.18E 11–3 2.4L,2.7
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/02 03:10:28, This location: 2021/08/02 09:00:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 01 23 51 55.4–.86 36.41N–.02 27.15E–.02 14–6 77 0-2
THE VIII 01 23 51 55.5 36N–3.0 27E–2.0 9–6 3.1,3.1 **¶621367863**
ATH VIII 01 23 51 55.0 36.41N 27.14E 17–1 3.1L,3.1
ISK VIII 01 23 51 55.4 36.40N 27.13E 9–0 2.9L,3.1
AFAD VIII 01 23 51 57.3 36.46N 27.26E 13–1 2.6L,3.1
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/01 23:53:06, This location: 2021/08/02 00:35:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 02 03 50 15.3–1.1 36.34N–.03 27.11E–.03 11–10 41 0-2
AFAD VIII 02 03 50 11.8 36.23N 27.06E 4–2 2.4L **¶621367904**
ISK VIII 02 03 50 16.9 36.32N 27.06E 8–0 2.6L
THE VIII 02 03 50 16.6 36N–2.0 27E–2.0 12–5 2.6,2.6
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 02 13 57 36.5–.81 37.84N–.02 26.93E–.02 14–6 93 0-3
THE VIII 02 13 57 36.6 38N–1.0 27E–2.0 10–2 2.8,2.8 **¶621367971**
AFAD VIII 02 13 57 36.3 37.85N 26.94E 7–2 2.5L,2.8
ISK VIII 02 13 57 36.1 37.84N 26.88E 6–0 2.7L,2.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 02 14 23 28.3–.69 36.30N–.02 27.06E–.01 14–4 4.1b 292 0-126
IDC VIII 02 14 23 26.2–.62 36.30N 26.93E 0 3.9b,3.9 **¶620929564**
THE VIII 02 14 23 28.6 36N–1.0 27E–1.0 7–3 4.0,4.0
NEIC VIII 02 14 23 28.1–1.2 36.30N–.04 27.10E–.04 10–1 4.2b,4.0
ATH VIII 02 14 23 28.3 36.35N 27.08E 18–0 4.0L,4.0
ISK VIII 02 14 23 28.3 36.34N 27.01E 9–0 3.9L,4.0
AFAD VIII 02 14 23 29.1 36.34N 27.13E 6–1 4.0W,4.0
GFZ VIII 02 14 23 30.9–.21 36N–2.0 27E–2.0 10 4.2b,4.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/02 14:24:53, This location: 2021/08/02 14:29:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 03 02 11 55.7–.98 36.34N–.02 27.10E–.02 18–3 99 0-42
IDC VIII 03 02 11 50.5–1.9 36.19N 26.67E 0 3.1L,2.9b **¶620995833**
AFAD VIII 03 02 11 55.7 36.38N 27.06E 15–1 2.9L,2.9b
ISK VIII 03 02 11 55.5 36.35N 27.03E 12–0 2.9L,2.9b
ATH VIII 03 02 11 56.0 36.33N 27.06E 12–1 2.9L,2.9b
THE VIII 03 02 11 56.4 36N–2.0 27E–2.0 6–5 2.9,2.9
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/03 02:13:40, This location: 2021/08/03 06:10:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VIII 02 22 11 12.4–.90 36.31N–.02 27.10E–.02 16–6 3.5b 161 0-58
IDC VIII 02 22 11 10.4–.64 36.35N 26.98E 0 3.6b,3.6 **¶620993269**
ISK VIII 02 22 11 12.6 36.35N 27.02E 11–0 3.6L,3.6
THE VIII 02 22 11 13.6 36N–1.0 27E–1.0 6–3 3.6,3.6
AFAD VIII 02 22 11 13.6 36.37N 27.08E 13–2 3.8W,3.6
ATH VIII 02 22 11 14.0 36.38N 27.08E 19–2 3.7L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=12.6km s-min=9.4km az=15.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/02 22:12:34, This location: 2021/08/02 23:58:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC VIII 02 15 53 15.1–.96 36.34N–.02 27.05E–.03 14–9 39 0-2
AFAD VIII 02 15 53 12.4 36.32N 26.99E 28–0 2.1L **¶621367983**
ISK VIII 02 15 53 15.6 36.28N 27.11E 13–0 2.1L
THE VIII 02 15 53 15.1 36N–3.0 27E–3.0 3–9 2.5,2.5
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 02 08 55 36.3–.92 36.37N–.02 27.06E–.02 12–7 113 0-4
AFAD VIII 02 08 55 35.0 36.30N 27.07E 7–2 3.1L **¶621367948**
ISK VIII 02 08 55 35.1 36.38N 27.02E 9–0 3.2L
THE VIII 02 08 55 36.1 36N–1.0 27E–2.0 7–3 3.3,3.3
ATH VIII 02 08 55 36.0 36.37N 27.09E 14–1 3.5L,3.3
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/02 08:57:02, This location: 2021/08/02 10:40:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
ISC VIII 02 23 00 06.2–1.2 36.28N–.02 27.08E–.02 5–10 93 0-4
THE VIII 02 23 00 07.9 36N–2.0 27E–2.0 8–8 3.2,3.2 **¶621368007**
ISK VIII 02 23 00 07.0 36.34N 26.99E 16–0 3.1L,3.2
AFAD VIII 02 23 00 07.9 36.33N 27.13E 24–1 4.3W,3.2
ATH VIII 02 23 00 07.4 36.36N 27.20E 26–7 3.3L,3.2
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/02 23:01:29, This location: 2021/08/03 01:20:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 7 km.
ISC VIII 03 03 19 18.0–1.0 36.34N–.02 27.04E–.03 15–8 42 0-2
ISK VIII 03 03 19 17.9 36.33N 27.06E 19–0 2.6L **¶621368016**
AFAD VIII 03 03 19 18.7 36.36N 27.08E 5–3 2.7L
THE VIII 03 03 19 18.0 36N–3.0 27E–2.0 12–10 2.7,2.7
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 02 22 47 20.8–.64 36.34N–.02 27.06E–.02 10 125 0-32
IDC VIII 02 22 47 19.4–1.0 36.34N 26.97E 0 3.5b,3.4 **¶620993271**
ISK VIII 02 22 47 20.7 36.34N 27.02E 15–0 3.3L,3.4
AFAD VIII 02 22 47 20.9 36.36N 27.03E 16–2 3.7W,3.4
ATH VIII 02 22 47 21.3 36.35N 27.05E 17–1 3.4L,3.4
THE VIII 02 22 47 21.7 36N–2.0 27E–2.0 15–6 3.2,3.2
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/02 22:48:43, This location: 2021/08/03 05:31:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VIII 03 12 41 37.9–1.2 36.33N–.03 27.07E–.03 6–10 31 0-1
AFAD VIII 03 12 41 33.7 36.22N 26.95E 7–1 3.2L **¶621368064**
ISK VIII 03 12 41 37.3 36.34N 26.99E 6–0 2.7L
THE VIII 03 12 41 39.0 36N–2.0 27E–2.0 0–2 3.6,3.6
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 03 04 20 11.3–.91 36.40N–.03 27.10E–.04 15–8 36 0-2
THE VIII 03 04 20 11.5 36N–2.0 27E–2.0 13–8 2.7,2.7 **¶621800338**
ATH VIII 03 04 20 11.2 36.39N 27.11E 14–1 2.8L,2.7
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/03 04:21:58, This location: 2021/08/03 05:21:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VIII 02 23 56 17.9–.67 36.31N–.02 27.04E–.02 17–4 4.0b 291 0-78
IDC VIII 02 23 56 16.4–.53 36.30N 27.02E 0 4.7s,4.0b **¶620929675**
ISK VIII 02 23 56 17.4 36.32N 27.01E 9–0 3.7L,4.0b
NEIC VIII 02 23 56 17.8–1.6 36.32N–.05 26.98E–.05 10–1 4.2b,4.0b
ATH VIII 02 23 56 18.0 36.34N 27.11E 22–2 4.0L,4.0b
THE VIII 02 23 56 18.3 36N–2.0 27E–2.0 8–7 4.0,4.0
AFAD VIII 02 23 56 18.8 36.35N 27.07E 3–1 4.1W,4.0
GFZ VIII 02 23 56 19.5–.21 36N–2.0 27E–2.0 10 4.2b,4.2
ISC Event type ke.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/02 23:57:37, This location: 2021/08/03 00:03:07 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 3 km.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 03 00 10 47.9–.85 36.36N–.02 27.08E–.02 16–6 90 0-39
IDC VIII 03 00 10 45.9–1.3 36.31N 27.00E 0 3.4b,3.3 **¶620995826**
ISK VIII 03 00 10 45.8 36.37N 27.00E 5–0 3.0L,3.3
AFAD VIII 03 00 10 47.7 36.33N 27.30E 35–1 2.6L,3.3
ATH VIII 03 00 10 47.6 36.34N 27.07E 15–4 3.2L,3.3
THE VIII 03 00 10 48.3 36N–2.0 27E–2.0 7–5 3.0,3.0
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/03 00:12:09, This location: 2021/08/03 00:39:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 5 km.
ISC VIII 03 08 51 08.8–1.1 36.35N–.03 26.97E–.04 13–9 32 0-2
ISK VIII 03 08 51 07.9 36.35N 26.95E 15–0 2.5L **¶621368039**
AFAD VIII 03 08 51 09.6 36.33N 27.08E 7–1 2.3L
THE VIII 03 08 51 10.1 36N–9.0 27E–8.0 10–17 2.7,2.7
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 03 13 39 46.3–1.3 36.37N–.03 26.95E–.03 3–11 33 0-2
AFAD VIII 03 13 39 38.3 36.08N 26.77E 4–6 2.4L **¶621368081**
ISK VIII 03 13 39 46.4 36.35N 27.02E 8–0 2.5L
THE VIII 03 13 39 52.6 37N–6.0 27E–7.0 20–17 2.7,2.7
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 03 14 08 36.9–1.2 36.35N–.03 27.01E–.03 8–10 38 0-2
AFAD VIII 03 14 08 34.4 36.30N 26.95E 6–1 2.1L **¶621368089**
THE VIII 03 14 08 37.3 36N–1.0 27E–1.0 10–6 2.5,2.5
ISK VIII 03 14 08 37.9 36.34N 27.07E 22–0 2.3L,2.5
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 03 14 13 23.8–.93 36.34N–.02 27.03E–.02 15–8 67 0-2
ATH VIII 03 14 13 23.9 36.34N 27.03E 15–1 3.0L **¶621368090**
ISK VIII 03 14 13 23.6 36.32N 27.09E 16–0 2.6L
THE VIII 03 14 13 24.1 36N–2.0 27E–2.0 10–7 3.0,3.0
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/03 14:15:16, This location: 2021/08/03 16:41:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISC VIII 03 17 39 58.5–.86 36.32N–.01 27.04E–.01 11–5 4.0b,3.4s 495 0-117
IDC VIII 03 17 39 57.0–.60 36.33N 26.97E 0 3.9b,3.8 **¶620961714**
MOS VIII 03 17 39 56.7–1.3 36.29N 27.02E 11 4.3b,3.8
MCSM VIII 03 17 39 57.0–.80 36N–3.0 27E–3.0 10–7 5.0b,4.4
ISK VIII 03 17 39 57.7 36.33N 26.97E 10–0 4.3L,4.4
NEIC VIII 03 17 39 59.1–2.3 36.32N–.04 27.02E–.05 17–4 4.0b,4.4
ATH VIII 03 17 39 59.1 36.33N 27.09E 12–1 4.2L,4.4
THE VIII 03 17 39 59.1 36N–2.0 27E–2.0 10–3 4.2,4.2
GFZ VIII 03 17 40 00.5–.21 36N–2.0 27E–2.0 10 4.2b,4.0
AFAD VIII 03 17 40 00.1 36.34N 27.12E 8–1 4.1W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=8.7km az=11.0.
MOS Error ellipse: s-maj=5.8km s-min=4.4km az=85.5.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=6.3km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/03 17:41:15, This location: 2021/08/03 18:09:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
ISC VIII 03 23 49 26.9–.69 36.29N–.02 27.08E–.02 14–4 4.0b,3.4s 426 0-126
IDC VIII 03 23 49 24.2–.57 36.29N 27.04E 0 4.0b,3.9 **¶620965859**
ATH VIII 03 23 49 26.3 36.32N 27.01E 16–1 4.1L,3.9
AFAD VIII 03 23 49 26.8 36.31N 27.10E 7–2 3.7L,3.9
ISK VIII 03 23 49 27.5 36.32N 27.11E 21–0 4.0L,3.9
GII VIII 03 23 49 27.2–.00 35.949N–.00 27.082E–.00 0 4.3,3.9
NEIC VIII 03 23 49 27.1–2.5 36.31N–.05 27.06E–.05 10–1 4.2b,3.9
THE VIII 03 23 49 27.0 36N–5.0 27E–3.0 8–9 4.2,4.2
MCSM VIII 03 23 49 28.9–.40 36N–4.0 27E–6.0 12 4.0b,4.0
NAO VIII 03 23 49 29.5 36.33N 27.00E 10 4.2b,4.0
GFZ VIII 03 23 49 29.0–.18 36N–2.0 27E–2.0 10 4.1b,4.0
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/03 23:50:54, This location: 2021/08/03 23:55:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 03 22 44 19.8–.92 36.30N–.02 27.05E–.02 13–7 3.5b 122 0-46
IDC VIII 03 22 44 18.2–.80 36.21N 27.00E 0 3.7b,3.6 **¶620995915**
ATH VIII 03 22 44 19.7 36.31N 27.05E 13–1 3.5L,3.6

ISK VIII 03 22 44 19.9 36.31N 27.05E 6–0 3.2L,3.6
AFAD VIII 03 22 44 20.8 36.37N 27.08E 7–3 3.6W,3.6
THE VIII 03 22 44 20.4 36N–3.0 27E–2.0 11–6 3.4,3.4
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/03 22:45:42, This location: 2021/08/03 23:11:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 03 12 38 18.6–.50 36.33N–.01 27.08E–.01 16–2 5.0b,4.6s 1582 0-167
BEO VIII 03 12 38 12.5–3.5 35.87N 28.08E 66–4 4.8L,4.6s **¶620961700**
MOS VIII 03 12 38 15.9–1.0 36.31N 27.05E 10 5.2b,4.5s
AFAD VIII 03 12 38 16.5 36.27N 27.02E 8–1 5.0L,4.5s
ISK VIII 03 12 38 16.3 36.40N 26.97E 2–0 5.1L,4.5s
NEIC VIII 03 12 38 17.8–.92 36.39N–.04 27.04E–.06 10–1 5.1,5.1b
NEIC VIII 03 12 38 17.8 36.39N 27.04E 10 5.1,5.1b
THE VIII 03 12 38 18.4 36N–2.0 27E–2.0 3–2 4.9,4.9
GII VIII 03 12 38 18.6–.00 36.142N–.00 27.178E–.00 0 4.8,4.9
NEIC VIII 03 12 38 18.1 36.36N 27.04E 10 4.8,4.9
GFZ VIII 03 12 38 18.8–.11 36N–1.0 27E–1.0 10 5.3,5.3b
ATH VIII 03 12 38 19.0 36.35N 27.10E 12–1 5.0L,5.3b
NAO VIII 03 12 38 19.5 36.35N 26.96E 10 5.1b,5.3b
BJI VIII 03 12 38 19.5 36.32N 26.71E 55 5.3b,5.0s
GCMT VIII 03 12 38 20.0–.10 36.27N–.01 27.00E–.01 12–0 5.2W,5.0s
MED_R VIII 03 12 38 21.0 36.35N 26.99E 73 5.4W,5.0s
IDC VIII 03 12 38 21.7–1.4 36.35N 26.97E 42–12 4.6,4.5s
GFZ VIII 03 12 38 22.6 36.32N 27.07E 14 5.2W,4.5s
NEIC VIII 03 12 38 23.8 36.39N 27.04E 12 5.2,4.5s
ISC Event type ke.
BEO Event type ke.
MOS Error ellipse: s-maj=4.0km s-min=2.7km az=85.1.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.2km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.33 $M_{\theta\theta}$0.55 $M_{\phi\phi}$4.78 $M_{r\theta}$1.88 $M_{\theta\phi}$1.62 $M_{\phi r}$2.30 NP1:ϕ_s9.51000°,δ31.89000°,λ-106.14000°. NP2:ϕ_s208.33000°,δ59.50000°,λ-80.19000°. Principal axes: T 6.0211,Plg14.0000°,Azm291.0000°; N 0.1580,Plg8.0000°,Azm23.0000°; P -6.1791,Plg74.0000°,Azm144.0000° $M_0$6.10000×10^{16}
NEIC Event type se.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NEIC Event type se.
GFZ Error ellipse: s-maj=3.3km s-min=2.3km az=26.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/03 12:39:31, This location: 2021/12/02 17:44:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NAO Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108031238A. Moment Tensor Solution. s95,c145; s148,c297;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83±.02 $M_{\theta\theta}$0.02±.01; $M_{\phi\phi}$0.81±.01; $M_{r\theta}$0.22±.03; $M_{\theta\phi}$0.20±.01; $M_{\phi r}$0.05±.03; Best double couple: NP1:ϕ_s1.00000°,δ43.00000°,λ-109.00000°. NP2:ϕ_s206.00000°,δ50.00000°,λ-73.00000°. Principal axes: T 0.8660,Plg3.0000°,Azm284.0000°; N 0.0200,Plg13.0000°,Azm15.0000°; P -0.8870,Plg77.0000°,Azm179.0000° $M_0$0.87600×10^{17}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17} Nm; M_{rr}1.87±.04 $M_{\theta\theta}$-1.54±.03; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$-0.06±.07; $M_{\theta\phi}$0.43±.04; $M_{\phi r}$-0.07±.04; NP1: ϕ_s110.00000°,δ44.00000°,λ93.00000°. NP2:ϕ_s285.00000°,δ46.00000°,λ87.00000°. Principal axes: T 1.8700,Plg88.0000°,Azm122.0000°; N -0.1900,Plg2.0000°,Azm288.0000°; P -1.6800,Plg1.0000°,Azm18.0000° $M_0$1.78000×10^{17}
IDC Error ellipse: s-maj=12.6km s-min=9.3km az=149.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.14 $M_{\theta\theta}$1.58 $M_{\phi\phi}$6.57 $M_{r\theta}$1.76 $M_{\theta\phi}$0.73 $M_{\phi r}$1.98 NP1: ϕ_s197.19152°,δ53.96184°,λ-80.44217°. NP2:ϕ_s1.22021°,δ37.11743°,λ-102.85580°. Principal axes: T 7.0011,Plg8.5017°,Azm280.3736°; N 1.6710,Plg7.7162°,Azm11.5341°; P -8.6721,Plg78.4800°,Azm143.1999° $M_0$7.96913×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.23 $M_{\theta\theta}$0.33 $M_{\phi\phi}$6.91 $M_{r\theta}$2.26 $M_{\theta\phi}$1.40 $M_{\phi r}$0.82 NP1:ϕ_s357.75000°,δ41.79000°,λ-111.76000°. NP2:ϕ_s205.91000°,δ51.76000°,λ-71.66000°. Principal axes: T 7.3079,Plg5.0000°,Azm283.0000°; N 0.5614,Plg14.0000°,Azm14.0000°; P -7.8693,Plg75.0000°,Azm174.0000° $M_0$7.60000×10^{16}
ISC VIII 03 19 53 14.7–.58 36.32N–.02 27.04E–.01 15–3 4.6b,3.8s 973 0-126
MOS VIII 03 19 53 12.0–1.2 36.29N 26.90E 10 4.7b,3.8s **¶620965841**
IDC VIII 03 19 53 12.1–.40 36.28N 27.03E 0 4.4b,4.3
NEIC VIII 03 19 53 13.6–1.7 36.37N–.04 27.00E–.04 8–3 4.7b,4.6
ISK VIII 03 19 53 13.7 36.37N 26.97E 10–0 4.8L,4.6
NEIC VIII 03 19 53 13.9 36.32N 26.98E 10 4.8L,4.6
GII VIII 03 19 53 14.3–.00 36.21N 27.04E 0 4.6,4.6
ATH VIII 03 19 53 14.6 36.34N 27.05E 17–0 4.6L,4.6
AFAD VIII 03 19 53 15.1 36.32N 27.09E 13–2 4.6W,4.6
MED_R VIII 03 19 53 15.0 36.37N 27.02E 10 4.8W,4.8
MCSM VIII 03 19 53 15.0–.70 36N–2.0 27E–2.0 12–5 4.8b,4.8
THE VIII 03 19 53 15.1 36N–3.0 27E–2.0 8–7 4.7,4.7
GFZ VIII 03 19 53 15.2–.15 36N–2.0 27E–1.0 10 5.0b,4.5W
PDG VIII 03 19 53 15.0–.69 36.37N 26.98E 10–1 4.6L,4.5W
GCMT VIII 03 19 53 16.4–.20 36.33N–.03 27.01E–.02 17–0 4.9W,4.5W
NAO VIII 03 19 53 22.2 36.28N 24.73E 33 4.2b,4.5W
ISC Event type ke.
MOS Error ellipse: s-maj=5.7km s-min=3.5km az=81.6.
IDC Error ellipse: s-maj=8.7km s-min=7.0km az=2.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.5km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.19 $M_{\theta\theta}$0.30 $M_{\phi\phi}$0.89 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.42 $M_{\phi r}$-0.29 NP1:ϕ_s23.07000°,δ51.88000°,λ-95.44000°. NP2:ϕ_s211.83000°,δ38.45000°,λ-83.11000°. Principal axes: T 1.1367,Plg7.0000°,Azm117.0000°; N 0.0926,Plg4.0000°,Azm26.0000°; P -1.2292,Plg82.0000°,Azm264.0000° $M_0$1.19000×10^{16}
ISK Event type ke.
NEIC Event type se.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/03 19:54:19, This location: 2021/08/03 20:02:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-1.53±.05 $M_{\theta\theta}$0.25±.05; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$-1.47±.21; $M_{\theta\phi}$0.65±.04; $M_{\phi r}$-0.07±.18; NP1: ϕ_s185.00000°,δ37.00000°,λ-136.00000°. NP2:ϕ_s57.00000°,δ65.00000°,λ-62.00000°. Principal axes: T 1.8000,Plg16.0000°,Azm127.0000°; N 0.5800,Plg25.0000°,Azm225.0000°; P -2.3800,Plg60.0000°,Azm8.0000° $M_0$2.09000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108031953A. Moment Tensor Solution. s31,c34; s87,c140; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.14±.12 $M_{\theta\theta}$0.42±.07; $M_{\phi\phi}$1.71±.08; $M_{r\theta}$1.55±.25; $M_{\theta\phi}$0.51±.04; $M_{\phi r}$0.28±.17; Best double couple: NP1:ϕ_s4.00000°,δ36.00000°,λ-127.00000°. NP2:ϕ_s227.00000°,δ62.00000°,λ-66.00000°. Principal axes: T 2.0760,Plg13.0000°,Azm300.0000°; N 0.7890,Plg21.0000°,Azm35.0000°; P -2.8700,Plg65.0000°,Azm179.0000° $M_0$2.47300×10^{16}
NAO Event type se. Presumed earthquake.
ISC VIII 04 00 46 03.8–1.0 36.38N–.03 27.14E–.03 11–9 31 0-2
THE VIII 04 00 46 03.8 36N–10 27E–11 12–15 2.6,2.6 **¶621368201**
ISK VIII 04 00 46 03.8 36.34N 27.18E 10–0 2.4L,2.6
AFAD VIII 04 00 46 04.3 36.39N 27.11E 7–5 2.1L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

THE VIII 03 22 50 20.4 36N–2.0 27E–2.0 22–4 2.8,2.8
ATH VIII 03 22 50 20.6 36.32N 27.04E 16–1 3.1L,2.8 **¶620965854**
AFAD VIII 03 22 50 22.6 36.35N 27.16E 4–2 3.0L,2.8
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/03 23:19:02, This location: 2021/08/03 23:17:46 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 03 22 50 44.1–.84 36.30N–.02 27.06E–.02 20–3 4.2b,4.0s 424 0-126
MED_R VIII 03 22 50 42.0 36.31N 27.06E 20 4.6W,4.0s **¶621800341**
NEIC VIII 03 22 50 43.2–1.9 36.29N–.04 27.14E–.05 10–1 4.4b,4.0s
THE VIII 03 22 50 43.7 36N–6.0 27E–3.0 10–10 4.3,4.3
ATH VIII 03 22 50 43.5 36.32N 27.01E 14–1 4.3L,4.3
ISK VIII 03 22 50 44.4 36.30N 27.12E 7–0 4.3L,4.3
MCSM VIII 03 22 50 44.3–.30 36N–3.0 27E–4.0 10 4.4b,4.3
GFZ VIII 03 22 50 44.8–.22 36N–2.0 27E–2.0 10 4.0b,4.0
AFAD VIII 03 22 50 45.0 36.34N 27.13E 7–1 4.4W,4.0
IDC VIII 03 22 50 46.2–1.1 36.29N 27.09E 36–10 4.0,3.9b
NAO VIII 03 22 51 09.9 39.38N 27.07E 10 3.8b,3.9b
ISC Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.98±.07 $M_{\theta\theta}$0.06±.07; $M_{\phi\phi}$0.00±.04; $M_{r\theta}$0.56±.06; $M_{\theta\phi}$0.27±.04; $M_{\phi r}$-0.10±.04; NP1: ϕ_s354.00000°,δ48.00000°,λ-124.00000°. NP2:ϕ_s220.00000°,δ52.00000°,λ-58.00000°. Principal axes: T 0.9900,Plg2.0000°,Azm287.0000°; N 0.2500,Plg25.0000°,Azm18.0000°; P -1.2400,Plg65.0000°,Azm193.0000° $M_0$1.12000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.4km az=239.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/03 22:51:59, This location: 2021/08/03 22:57:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=10.0km s-min=7.5km az=179.0.
NAO Event type se. Presumed earthquake.
ISC VIII 03 21 41 35.6–.88 36.37N–.02 27.10E–.02 13–6 99 0-32
IDC VIII 03 21 41 34.5–1.4 36.31N 27.01E 0 3.5b,3.3 **¶620995908**
ISK VIII 03 21 41 35.4 36.39N 27.14E 9–0 2.9L,3.3
ATH VIII 03 21 41 35.4 36.39N 27.13E 14–1 3.0L,3.3
THE VIII 03 21 41 36.1 36N–1.0 27E–1.0 11–2 2.9,2.9
AFAD VIII 03 21 41 36.1 36.40N 27.10E 6–3 2.8L,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=17.6km az=0.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/03 21:43:13, This location: 2021/08/03 21:53:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISK VIII 04 03 35 25.7 36.19N 27.07E 16–0 1.8L
AFAD VIII 04 03 35 25.7 36.30N 27.06E 8–4 1.5L **¶621368229**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 04 01 35 27.9–1.1 36.31N–.02 27.05E–.02 12–8 108 0-42
IDC VIII 04 01 35 26.4–1.1 36.44N 27.01E 0 3.3b,3.2 **¶620997267**
AFAD VIII 04 01 35 28.4 36.31N 27.03E 6–1 2.8L,3.2
ATH VIII 04 01 35 28.3 36.31N 27.02E 16–0 3.1L,3.2
THE VIII 04 01 35 29.1 36N–1.0 27E–2.0 12–3 2.9,2.9
ISK VIII 04 01 35 29.9 36.24N 27.13E 8–0 3.0L,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=13.3km az=167.0.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/04 01:36:53, This location: 2021/08/04 01:40:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISK VIII 04 03 40 32.8 36.28N 27.17E 19–0 1.8L
AFAD VIII 04 03 40 33.4 36.37N 27.11E 7–4 1.6L **¶621368230**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 03 23 20 39.0–1.1 36.35N–.03 27.19E–.03 20–3 39 0-2
ATH VIII 03 23 20 39.5 36.35N 27.07E 18–2 2.3L **¶621368176**
ISK VIII 03 23 20 42.0 36.24N 27.42E 13–0 2.7L
AFAD VIII 03 23 20 46.2 36.50N 27.78E 7–3 2.1L
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/03 23:42:54, This location: 2021/08/03 23:42:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 2 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK VIII 04 08 37 28.1 36.32N 27.10E 25–0 1.5L
¶621368295
ISK Event type ke.
ISC VIII 04 05 49 11.8–1.2 36.31N–.03 27.05E–.03 4–10 34 0-2
THE VIII 04 05 49 11.7 36N–7.0 27E–5.0 1–13 2.5,2.5 **¶621368260**
AFAD VIII 04 05 49 11.3 36.29N 27.08E 6–2 2.2L,2.5
ISK VIII 04 05 49 11.8 36.33N 27.05E 11–0 2.3L,2.5
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISK VIII 04 06 17 47.7 36.32N 27.10E 13–0 1.6L
¶621368269
ISK Event type ke.
ISK VIII 04 06 19 49.2 36.29N 27.04E 20–0 2.1L
¶621368270
ISK Event type ke.
ISC VIII 04 06 46 50.9–1.1 36.40N–.03 27.08E–.03 10–9 26 0-2
THE VIII 04 06 46 50.7 36N–2.0 27E–2.0 1–6 2.4,2.4 **¶621368274**
ISK VIII 04 06 46 51.4 36.36N 27.10E 23–0 2.5L,2.4
ISC Event type ke.
ISK Event type ke.
ISC VIII 04 10 01 23.0–.97 36.30N–.02 27.04E–.03 11–8 60 0-2
AFAD VIII 04 10 01 21.9 36.26N 27.06E 7–2 2.7L **¶621368315**
ATH VIII 04 10 01 22.7 36.30N 27.04E 13–2 2.9L
ISK VIII 04 10 01 22.9 36.32N 27.03E 10–0 2.8L
THE VIII 04 10 01 22.9 36N–1.0 27E–2.0 9–4 3.1,3.1
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/04 10:03:03, This location: 2021/08/04 10:08:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC VIII 04 07 22 22.3–.90 36.36N–.02 27.07E–.02 13–7 95 0-2
AFAD VIII 04 07 22 21.0 36.33N 27.09E 14–9 3.1L **¶621368284**
ISK VIII 04 07 22 21.9 36.34N 27.05E 10–0 3.2L
THE VIII 04 07 22 22.5 36N–2.0 27E–1.0 11–6 3.2,3.2
ATH VIII 04 07 22 22.3 36.38N 27.07E 17–1 3.2L,3.2
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/04 07:23:48, This location: 2021/08/04 07:27:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC VIII 04 06 00 23.1–.86 36.32N–.02 27.04E–.02 20–4 4.3s,4.2b 324 0-88
IDC VIII 04 06 00 20.5–.57 36.33N 26.99E 0 4.2b,4.1 **¶620966426**
ISK VIII 04 06 00 21.7 36.33N 27.00E 9–0 3.9L,4.1
NEIC VIII 04 06 00 22.7–2.4 36.22N–.05 27.06E–.05 10–1 4.3b,4.1
MCSM VIII 04 06 00 22.3–1.9 36N–3.0 27E–3.0 16–14 4.5b,4.0
THE VIII 04 06 00 22.7 36N–1.0 27E–1.0 13–4 4.1,4.1
AFAD VIII 04 06 00 22.2 36.31N 27.09E 7–1 4.0W,4.1
ATH VIII 04 06 00 22.5 36.33N 27.05E 18–1 4.1L,4.1

NAO VIII 04 06 00 23.9 36.33N 27.05E 10 4.0b,4.1
GFZ VIII 04 06 00 23.6–.19 36N–2.0 27E–2.0 10 4.3b,4.1
ISC Event type ke.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/04 06:01:40, This location: 2021/08/04 06:32:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
NAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISK VIII 04 06 13 50.9 36.32N 27.05E 21–0 1.7L
¶621368267

ISK Event type ke.

ISC VIII 04 18 34 08.8–.95 36.29N–.02 27.05E–.02 12–7 3.6b 150 0-58
IDC VIII 04 18 34 06.0–.71 36.28N 26.97E 0 3.7b,3.6 **¶620997324**
AFAD VIII 04 18 34 07.8 36.22N 27.03E 7–2 3.3L,3.6
ISK VIII 04 18 34 08.5 36.34N 26.98E 9–0 3.6L,3.6
THE VIII 04 18 34 09.5 36N–1.0 27E–1.0 8–3 3.5,3.5
ATH VIII 04 18 34 09.2 36.30N 27.06E 18–2 3.7L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=12.6km s-min=9.4km az=1.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/04 18:35:32, This location: 2021/08/04 18:59:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC VIII 04 11 45 01.3–.89 36.29N–.02 27.04E–.02 15–6 3.6b 130 0-58
IDC VIII 04 11 44 59.2–.83 36.38N 26.97E 0 3.7b,3.7 **¶620997305**
THE VIII 04 11 45 01.6 36N–2.0 27E–2.0 12–3 3.4,3.4
AFAD VIII 04 11 45 01.3 36.29N 27.05E 6–1 3.6W,3.4
ATH VIII 04 11 45 01.0 36.30N 27.03E 12–2 3.6L,3.4
ISK VIII 04 11 45 01.5 36.30N 27.05E 10–0 3.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=15.9km s-min=11.2km az=167.0.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/04 11:46:28, This location: 2021/08/04 12:11:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.

ISC VIII 04 18 53 54.7–1.0 36.31N–.02 27.03E–.02 11–7 3.3b 82 0-42
AFAD VIII 04 18 53 52.8 36.14N 27.04E 6–2 3.0L **¶620997325**
IDC VIII 04 18 53 52.8–1.1 36.29N 27.09E 0 3.5b,3.3
ISK VIII 04 18 53 54.5 36.31N 27.02E 9–0 3.4L,3.3
THE VIII 04 18 53 54.9 36N–2.0 27E–1.0 3–2 3.1,3.1
ATH VIII 04 18 53 55.2 36.31N 27.06E 18–1 3.3L,3.1
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=22.4km s-min=14.8km az=4.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/04 18:55:18, This location: 2021/08/04 19:13:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISK VIII 05 05 24 19.2 36.36N 27.14E 18–0 2.2L
¶626714520

ISK Event type ke.

ISC VIII 04 21 04 21.2–1.3 36.33N–.03 26.86E–.05 16–10 28 0-2
ISK VIII 04 21 04 20.1 36.43N 26.86E 10–0 2.2L **¶621368397**
AFAD VIII 04 21 04 23.4 36.29N 27.02E 7–3 2.0L
THE VIII 04 21 04 24.2 36N–20 27E–18 6–16 2.6,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISK VIII 04 22 13 54.2 36.02N 26.82E 14–0 1.7L
¶626714499

ISK Event type ke.

ISC VIII 04 20 22 47.6–.94 36.32N–.02 27.05E–.02 13–8 55 0-2
ISK VIII 04 20 22 46.8 36.32N 27.05E 2–0 2.4L **¶621368392**
THE VIII 04 20 22 47.8 36N–8.0 27E–6.0 12–14 2.6,2.6
AFAD VIII 04 20 22 47.5 36.29N 27.06E 7–2 2.2L,2.6
ATH VIII 04 20 22 47.4 36.32N 27.04E 14–2 2.6L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/08/04 20:39:31, This location: 2021/08/05 04:15:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC VIII 05 08 50 53.6–1.1 36.29N–.02 27.01E–.02 8–9 65 0-3
AFAD VIII 05 08 50 52.4 36.24N 27.01E 6–2 3.5W **¶621368489**
THE VIII 05 08 50 53.5 36N–10 27E–5.0 4–21 3.3,3.3
ISK VIII 05 08 50 53.5 36.28N 27.06E 9–0 3.5L,3.3
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC VIII 06 01 06 49.9–.98 36.37N–.02 27.07E–.02 14–8 4.0s,3.4b 141 0-86
IDC VIII 06 01 06 48.7–1.2 36.54N 27.08E 0 4.0s,3.6b **¶620998845**
AFAD VIII 06 01 06 49.5 36.37N 27.06E 26–2 3.2L,3.6b
ISK VIII 06 01 06 49.2 36.38N 27.04E 15–0 3.3L,3.6b
ATH VIII 06 01 06 50.0 36.38N 27.08E 19–1 3.4L,3.6b
THE VIII 06 01 06 50.2 36N–1.0 27E–1.0 11–2 3.2,3.2
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/06 01:08:09, This location: 2021/08/06 01:26:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC VIII 05 19 00 36.6–.94 36.32N–.02 27.07E–.02 16–7 115 0-42
IDC VIII 05 19 00 35.3–1.1 36.18N 27.09E 0 3.4b,3.4 **¶620998826**
ISK VIII 05 19 00 35.9 36.31N 27.02E 8–0 3.1L,3.4
AFAD VIII 05 19 00 36.2 36.30N 27.11E 20–1 3.4W,3.4
THE VIII 05 19 00 36.7 36N–1.0 27E–2.0 10–3 3.0,3.0
ATH VIII 05 19 00 36.2 36.29N 26.98E 7–3 3.2L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=12.4km az=6.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/05 19:01:58, This location: 2021/08/05 19:27:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC VIII 05 03 16 30.5–.97 36.30N–.02 27.02E–.02 11–7 3.2b 132 0-42
IDC VIII 05 03 16 28.9–1.2 36.29N 26.94E 0 3.4b,3.3 **¶620998781**
AFAD VIII 05 03 16 30.0 36.29N 27.04E 7–1 2.8L,3.3
ATH VIII 05 03 16 30.6 36.33N 27.01E 14–2 3.3L,3.3
ISK VIII 05 03 16 30.5 36.29N 27.07E 8–0 3.2L,3.3
THE VIII 05 03 16 31.1 36N–2.0 27E–2.0 10–3 3.1,3.1
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/05 03:17:57, This location: 2021/08/05 04:18:46 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.

ISC VIII 05 13 12 00.4–.88 36.40N–.02 27.05E–.02 11–6 3.5b 121 0-88
ISK VIII 05 13 11 59.3 36.41N 27.01E 4–0 3.2L **¶620998809**
IDC VIII 05 13 11 59.7–4.4 36.38N 27.29E 0 4.0s,3.7b
THE VIII 05 13 12 00.5 36N–2.0 27E–2.0 9–3 3.3,3.3
ATH VIII 05 13 12 00.1 36.39N 27.02E 8–4 3.5L,3.3
AFAD VIII 05 13 12 00.7 36.41N 27.09E 8–2 3.0L,3.3
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=149.9km s-min=24.3km az=168.0.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/05 13:13:24, This location: 2021/08/05 13:17:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.

ISC VIII 05 13 13 56.0–1.0 36.36N–.02 27.12E–.03 17–8 40 0-2
AFAD VIII 05 13 13 53.9 36.32N 26.99E 6–2 2.6L **¶621368504**
THE VIII 05 13 13 55.8 36N–3.0 27E–2.0 0–12 2.8,2.8
ISK VIII 05 13 13 55.6 36.38N 27.14E 14–0 2.7L,2.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC VIII 05 08 03 53.3–.87 36.31N–.02 27.00E–.02 16–6 3.5b 150 0-43
IDC VIII 05 08 03 51.2–.93 36.37N 26.93E 0 3.6b,3.6 **¶620998793**
ISK VIII 05 08 03 52.7 36.34N 26.95E 9–0 3.6L,3.6
ATH VIII 05 08 03 52.8 36.32N 26.99E 14–1 3.6L,3.6
AFAD VIII 05 08 03 53.5 36.33N 26.99E 10–1 3.0L,3.6
THE VIII 05 08 03 53.8 36N–3.0 27E–2.0 12–5 3.5,3.5
GII VIII 05 08 03 59.1–.00 35.86N 27.18E 0 3.4,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=12.6km az=164.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/05 08:05:25, This location: 2021/08/05 08:14:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC VIII 05 23 28 34.2–1.1 36.33N–.02 27.03E–.02 18–3 48 0-2
ATH VIII 05 23 28 34.2 36.32N 27.04E 16–2 2.5L **¶621368544**
ISK VIII 05 23 28 34.7 36.30N 27.05E 19–0 2.2L
AFAD VIII 05 23 28 34.1 36.36N 27.03E 26–1 1.9L
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/05 23:30:20, This location: 2021/08/05 23:38:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC VIII 06 08 22 49.4–.94 36.27N–.02 27.06E–.02 12–7 3.6b 156 0-58
IDC VIII 06 08 22 47.6–1.0 36.24N 27.03E 0 3.7b,3.6 **¶620998869**
ATH VIII 06 08 22 48.3 36.24N 27.04E 10–2 3.7L,3.6
ISK VIII 06 08 22 49.1 36.37N 26.95E 9–0 3.6L,3.6
AFAD VIII 06 08 22 49.2 36.24N 27.04E 10–1 3.3L,3.6
THE VIII 06 08 22 50.5 36N–1.0 27E–2.0 7–3 3.5,3.5
GII VIII 06 08 22 53.6–.00 35.860N–.00 27.250E–.00 0 3.6,3.5
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/06 08:24:09, This location: 2021/08/06 08:45:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC VIII 06 05 59 14.2–1.0 36.29N–.02 27.05E–.02 13–7 3.6b 136 0-58
IDC VIII 06 05 59 13.8–.80 36.34N 27.00E 0 3.7b,3.6 **¶620998857**
ISK VIII 06 05 59 14.7 36.32N 27.01E 8–0 3.4L,3.6
GII VIII 06 05 59 14.4–.00 36.030N–.00 27.040E–.00 0 3.5,3.6
THE VIII 06 05 59 15.9 36N–1.0 27E–1.0 11–2 3.3,3.3
ATH VIII 06 05 59 15.9 36.30N 27.02E 12–2 3.4L,3.3
AFAD VIII 06 05 59 15.9 36.30N 27.05E 7–1 3.2L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=11.4km az=171.0.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/06 06:00:38, This location: 2021/08/06 06:15:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

ISC VIII 06 16 01 11.9–1.0 36.33N–.02 27.05E–.02 11–7 3.8b,3.2s 258 0-92
IDC VIII 06 16 01 09.8–.79 36.28N 27.13E 0 3.9b,3.7 **¶620998910**
ISK VIII 06 16 01 11.2 36.33N 27.01E 5–0 3.9L,3.7
THE VIII 06 16 01 12.9 36N–2.0 27E–2.0 11–3 3.6,3.6
ATH VIII 06 16 01 13.0 36.33N 27.04E 18–2 3.8L,3.6
AFAD VIII 06 16 01 14.5 36.43N 27.16E 18–0 4.0W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=10.2km az=16.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/06 16:02:35, This location: 2021/08/06 16:31:40 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

ISC VIII 06 10 52 39.3–1.0 36.28N–.02 27.07E–.02 11–7 4.1b,3.3s 352 0-76
IDC VIII 06 10 52 38.3–.62 36.37N 26.99E 0 4.0L,4.0b **¶620970788**
ATH VIII 06 10 52 39.8 36.30N 27.02E 9–2 4.2L,4.0b
ISK VIII 06 10 52 39.9 36.34N 27.00E 18–0 4.1L,4.0b
AFAD VIII 06 10 52 39.6 36.29N 27.02E 5–2 4.2W,4.0b
NEIC VIII 06 10 52 39.3–.83 36.35N–.04 27.09E–.05 10–1 4.2b,4.0b
THE VIII 06 10 52 40.8 36N–2.0 27E–2.0 12–4 4.0,4.0
GFZ VIII 06 10 52 41.7–.20 36N–2.0 27E–2.0 10 4.2b,4.2
GII VIII 06 10 52 44.4–.00 35.992N–.00 27.138E–.00 0 4.3,4.2
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/06 10:53:59, This location: 2021/08/06 11:21:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC VIII 06 10 58 14.6–.93 36.28N–.02 27.06E–.02 13–6 3.9b 214 0-79
NEIC VIII 06 10 58 13.5–1.1 36.09N–.06 27.00E–.05 10–1 4.0b **¶620998891**
IDC VIII 06 10 58 13.2–.67 36.30N 27.08E 0 3.9b,3.8
ATH VIII 06 10 58 14.6 36.33N 27.07E 18–1 3.9L,3.8
ISK VIII 06 10 58 14.3 36.34N 27.00E 10–0 4.0L,3.8
THE VIII 06 10 58 15.5 36N–1.0 27E–2.0 5–3 3.6,3.6
AFAD VIII 06 10 58 15.6 36.32N 27.07E 7–3 4.1W,3.6
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.3km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.1km s-min=9.8km az=0.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/06 10:59:36, This location: 2021/08/06 11:10:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC VIII 06 11 02 22.3–1.1 36.31N–.02 27.02E–.02 5–9 76 0-32
THE VIII 06 11 02 20.8 36N–1.0 27E–1.0 3–2 3.0,3.0 **¶620998892**
ISK VIII 06 11 02 24.1 36.35N 27.01E 3–0 3.1L,3.0
AFAD VIII 06 11 02 24.8 36.27N 27.02E 6–7 2.8L,3.0
IDC VIII 06 11 02 26.4–1.4 36.26N 26.68E 0 3.4b,3.4
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=31.5km s-min=17.0km az=159.0.

ISC VIII 06 11 09 55.0–.87 36.31N–.02 27.06E–.02 18–6 3.5b 124 0-42
ISK VIII 06 11 09 53.9 36.34N 26.97E 6–0 3.7L **¶620998893**

IDC VIII 06 11 09 53.2–.79 36.30N 27.02E 0 3.7b,3.7
AFAD VIII 06 11 09 54.4 36.23N 27.11E 12–2 3.7W,3.7
THE VIII 06 11 09 55.2 36N–1.0 27E–2.0 8–3 3.4,3.4
ATH VIII 06 11 09 55.5 36.34N 27.08E 19–2 3.7L,3.4
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=11.4km az=10.0.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/06 11:34:28, This location: 2021/08/06 11:41:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC VIII 06 13 08 04.3–.91 36.30N–.02 27.01E–.02 15–7 3.4b 121 0-42
IDC VIII 06 13 08 01.6–1.1 36.32N 26.98E 0 3.6b,3.5 **¶620998901**
AFAD VIII 06 13 08 03.9 36.25N 27.01E 7–1 3.1L,3.5
ATH VIII 06 13 08 04.4 36.32N 27.05E 13–2 3.5L,3.5
ISK VIII 06 13 08 04.0 36.34N 26.99E 9–0 3.3L,3.5
THE VIII 06 13 08 05.0 36N–1.0 27E–2.0 15–3 3.4,3.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/06 13:10:17, This location: 2021/08/06 14:10:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC VIII 06 09 16 48.2–.59 36.26N–.02 27.08E–.01 17–3 4.3b,3.5s 475 0-117
IDC VIII 06 09 16 45.1–.55 36.21N 27.06E 0 4.1b,4.0 **¶620970782**
NEIC VIII 06 09 16 47.8–.76 36.27N–.04 27.08E–.04 10–1 4.4b,4.0
MED_R VIII 06 09 16 47.0 36.33N 27.06E 23 4.7W,4.0
AFAD VIII 06 09 16 47.0 36.28N 27.05E 17–8 4.2W,4.0
ATH VIII 06 09 16 48.0 36.33N 27.06E 17–2 4.3L,4.0
ISK VIII 06 09 16 48.2 36.31N 27.02E 8–0 4.2L,4.0
THE VIII 06 09 16 49.1 36N–2.0 27E–1.0 12–2 4.1,4.1
GFZ VIII 06 09 16 50.0–.18 36N–2.0 27E–2.0 10 4.3,4.3b
GII VIII 06 09 16 52.3–.00 35.769N–.00 27.271E–.00 0–0 4.3,4.3b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.20±.12 $M_{\theta\theta}$-0.18±.06; $M_{\phi\phi}$0.00±.08; $M_{r\theta}$0.66±.06; $M_{\theta\phi}$0.92±.07; $M_{\phi r}$-0.31±.05; NP1: ϕ_s357.00000°,δ61.00000°,λ-161.00000°. NP2:ϕ_s257.00000°,δ73.00000°,λ-30.00000°. Principal axes: T 1.0800,Plg8.0000°,Azm309.0000°; N 0.2400,Plg56.0000°,Azm51.0000° ; P -1.3200,Plg33.0000°,Azm214.0000° $M_0$1.20000×10^{16}
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/06 09:18:05, This location: 2021/08/06 09:40:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VIII 06 09 33 59.8–1.7 36.32N–.04 26.88E–.09 22–14 19 1-2
ISK VIII 06 09 33 59.5 36.32N 26.98E 8–0 2.3L **¶626681174**
AFAD VIII 06 09 34 01.8 36.31N 27.02E 32–3 2.1L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK VIII 06 19 34 44.6 36.23N 27.04E 22–0 2.0L
AFAD VIII 06 19 34 45.3 36.28N 27.13E 22–4 1.7L **¶621368697**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 06 19 57 06.5–.67 36.27N–.02 27.07E–.02 16–4 4.9s,4.1b 508 0-80
IDC VIII 06 19 57 04.2–.66 36.31N 26.97E 0 4.4s,4.2L **¶620973941**
ATH VIII 06 19 57 05.5 36.30N 27.03E 16–1 4.1L,4.2L
ISK VIII 06 19 57 05.3 36.35N 27.02E 3–0 4.1L,4.2L
THE VIII 06 19 57 07.1 36N–2.0 27E–1.0 13–2 3.9,3.9
GFZ VIII 06 19 57 08.6–.18 36N–2.0 27E–2.0 10 4.1b,4.1
NEIC VIII 06 19 57 08.1–2.1 36.24N–.05 27.09E–.04 26–6 4.2b,4.1
AFAD VIII 06 19 57 09.1 36.44N 27.18E 6–4 4.2W,4.1
GII VIII 06 19 57 11.5–.00 35.991N–.00 27.209E–.00 0 4.2,4.1
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/06 19:58:27, This location: 2021/08/06 20:12:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VIII 06 20 00 36.7–.86 36.42N–.02 27.12E–.02 13–6 103 0-2
THE VIII 06 20 00 37.0 36N–2.0 27E–2.0 15–5 2.7,2.7 **¶621368700**
ATH VIII 06 20 00 36.5 36.46N 27.14E 18–0 2.7L,2.7
ISK VIII 06 20 00 37.3 36.40N 27.21E 9–0 2.6L,2.7
AFAD VIII 06 20 00 39.7 36.56N 27.31E 22–1 2.3L,2.7
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/06 20:20:32, This location: 2021/08/06 20:19:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 06 20 03 45.6–1.1 36.32N–.02 27.06E–.02 10–9 109 0-2
ISK VIII 06 20 03 44.2 36.13N 26.95E 17–0 2.3L **¶621368701**
ATH VIII 06 20 03 45.6 36.30N 27.02E 15–1 2.7L
THE VIII 06 20 03 46.8 36N–2.0 27E–2.0 16–7 2.8,2.8
AFAD VIII 06 20 03 47.3 36.40N 27.12E 17–1 2.4L,2.8
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/06 20:05:32, This location: 2021/08/06 21:01:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 07 01 43 56.2–1.0 36.29N–.02 27.07E–.03 10–8 62 0-2
ISK VIII 07 01 43 56.8 36.24N 27.13E 10–0 2.5L **¶621368789**
ATH VIII 07 01 43 56.1 36.31N 27.06E 12–1 2.9L
AFAD VIII 07 01 43 58.3 36.48N 27.09E 32–1 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/07 02:06:07, This location: 2021/08/07 02:05:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ATH VIII 06 20 41 45.4 36.30N 27.01E 15–1 3.5L
¶626339101
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/06 20:43:15, This location: 2021/08/06 20:47:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VIII 06 20 41 58.4–.78 36.26N–.02 27.09E–.02 14–5 4.1b 464 0-76
GFZ VIII 06 20 41 50.7–.20 36N–2.0 27E–2.0 10 4.2b,4.2 **¶620973943**
IDC VIII 06 20 41 57.5–.67 36.34N 27.00E 0 4.1b,4.0L
NEIC VIII 06 20 41 58.8–1.0 36.25N–.05 27.04E–.04 10–1 4.1b,4.0L
ATH VIII 06 20 41 58.8 36.30N 27.00E 12–1 4.1L,4.0L
ISK VIII 06 20 41 59.0 36.34N 27.00E 6–0 4.1L,4.0L
AFAD VIII 06 20 42 00.8 36.40N 27.19E 22–0 4.4W,4.0L
THE VIII 06 20 42 01.8 36N–2.0 27E–3.0 49–13 3.8,3.8
GII VIII 06 20 42 03.6–.00 35.966N–.00 27.283E–.00 0 4.2,3.8
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/06 20:48:52, This location: 2021/08/06 20:53:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VIII 07 02 17 14.4–1.4 36.31N–.03 27.10E–.04 21–4 40 0-2
ISK VIII 07 02 17 14.7 36.28N 27.19E 18–0 2.3L **¶621368816**
AFAD VIII 07 02 17 14.6 36.38N 27.13E 28–1 2.0L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 07 03 03 05.1–.89 36.36N–.02 27.04E–.02 13–7 111 0-25
AFAD VIII 07 03 03 03.9 36.35N 26.99E 27–0 3.7W **¶621000699**
IDC VIII 07 03 03 03.5–1.7 36.27N 26.99E 0 3.3b,3.2
ISK VIII 07 03 03 04.8 36.38N 27.04E 10–0 3.4L,3.2
ATH VIII 07 03 03 05.0 36.36N 27.04E 18–1 3.5L,3.2
THE VIII 07 03 03 05.7 36N–1.0 27E–1.0 9–2 3.2,3.2
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/07 03:04:28, This location: 2021/08/07 03:08:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VIII 06 21 13 54.7–.92 36.32N–.02 27.02E–.02 15–7 110 0-42
IDC VIII 06 21 13 53.2–1.8 36.29N 26.92E 0 3.3L,3.3b **¶620998923**
ATH VIII 06 21 13 54.5 36.31N 27.03E 17–1 3.2L,3.3b
ISK VIII 06 21 13 54.4 36.32N 27.01E 9–0 3.2L,3.3b
AFAD VIII 06 21 13 55.4 36.35N 27.08E 18–1 3.7W,3.3b
THE VIII 06 21 13 55.6 36N–1.0 27E–1.0 12–2 3.0,3.0
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/06 21:15:31, This location: 2021/08/06 21:41:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 06 21 49 09.4–1.1 36.34N–.02 27.04E–.02 12–9 54 0-2
ATH VIII 06 21 49 09.7 36.30N 27.01E 16–1 2.6L **¶621368745**
AFAD VIII 06 21 49 10.4 36.95N 27.05E 7–7 1.5L
THE VIII 06 21 49 10.9 36N–2.0 27E–2.0 17–5 2.4,2.4
ISK VIII 06 21 49 10.3 36.34N 27.08E 10–0 1.8L,2.4
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/06 21:49:46, This location: 2021/08/06 22:16:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 07 03 13 49.1–.97 36.33N–.02 27.08E–.03 14–8 51 0-2
ATH VIII 07 03 13 48.9 36.32N 27.10E 17–0 2.5L **¶621368834**
AFAD VIII 07 03 13 50.2 36.41N 27.12E 7–1 2.0L
ISK VIII 07 03 13 50.3 36.32N 27.14E 8–0 2.1L
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/07 03:17:23, This location: 2021/08/07 03:20:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 07 17 48 24.7–1.2 36.41N–.03 27.05E–.04 8–10 21 0-2
THE VIII 07 17 48 24.5 36N–18 27E–21 3–20 2.8,2.8 **¶621368926**
ISK VIII 07 17 48 25.2 36.37N 27.12E 18–0 2.2L,2.8
ISC Event type ke.
ISK Event type ke.
ISK VIII 07 04 29 15.1 36.27N 27.05E 18–0 1.7L
AFAD VIII 07 04 29 14.6 36.29N 27.07E 7–1 1.8L **¶625006296**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 07 05 22 57.6–1.8 36.29N–.07 27.11E–.05 12–10 27 0-2
ISK VIII 07 05 22 53.1 35.68N 26.90E 26–0 2.5L **¶621368865**
AFAD VIII 07 05 22 59.0 36.39N 27.12E 6–3 2.0L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 07 01 39 44.4–.53 36.26N–.02 27.06E–.01 9–3 4.7b,4.3s 1053 0-167
BGR VIII 07 01 39 22.0–3.4 34.48N 28.35E 10 4.8b,4.3s **¶620976029**
BJI VIII 07 01 39 39.7 36.00N 26.73E 12 5.1b,4.7s
MOS VIII 07 01 39 42.9–1.2 36.26N 27.08E 12 4.9b,4.7s
GII VIII 07 01 39 43.8–.00 36.20N 27.13E 0 4.8,4.7s
NEIC VIII 07 01 39 44.9 36.31N 27.04E 11 4.8,4.7s
ATH VIII 07 01 39 44.8 36.30N 27.03E 17–1 4.7L,4.7s
ISK VIII 07 01 39 44.2 36.33N 26.97E 9–0 4.9L,4.7s
PDG VIII 07 01 39 44.5–.39 36.31N 26.98E 10–0 5.1L,4.7s
NEIC VIII 07 01 39 45.6 36.27N 27.04E 18 5.1L,4.7s
THE VIII 07 01 39 45.4 36N–1.0 27E–1.0 12–2 4.6,4.6
NEIC VIII 07 01 39 45.6–2.3 36.27N–.04 27.04E–.04 18–3 4.9,4.8b
MED_R VIII 07 01 39 45.0 36.31N 27.06E 10 5.0W,4.8b
GCMT VIII 07 01 39 46.5–.10 36.27N–.01 27.00E–.01 12 5.1W,4.8b
NAO VIII 07 01 39 46.0 36.30N 27.28E 10 5.1b,4.8b
AFAD VIII 07 01 39 47.4 36.38N 27.17E 16–1 4.9W,4.8b
IDC VIII 07 01 39 47.1–1.3 36.26N 27.06E 35–11 4.3,4.2b
GFZ VIII 07 01 39 49.2 36.19N 27.19E 10 5.0W,4.2b
GFZ VIII 07 01 39 49.2–.25 36N–2.0 27E–2.0 37–2 5.1b,4.6
NEIC VIII 07 01 39 50.7 36.31N 26.92E 12 5.0,4.6
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=81.2km s-min=70.0km az=178.0.
MOS Error ellipse: s-maj=5.0km s-min=3.0km az=77.5.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NEIC Event type se.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/07 01:40:11, This location: 2021/08/07 01:45:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.94 $M_{\theta\theta}$0.34 $M_{\phi\phi}$2.60 $M_{r\theta}$-0.18 $M_{\theta\phi}$0.66 $M_{\phi r}$-0.10 NP1:ϕ_s17.83000°,δ46.55000°,λ-86.30000°. NP2:ϕ_s192.46000°,δ43.58000° ,λ-93.90000°. Principal axes: T 2.7774,Plg1.0000°,Azm105.0000°; N 0.1695,Plg3.0000° ,Azm195.0000°; P -2.9469,Plg87.0000°,Azm346.0000° $M_0$2.87000×10^{16}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-4.51±.11 $M_{\theta\theta}$0.10±.11; $M_{\phi\phi}$0.00±.07; $M_{r\theta}$0.83±.60; $M_{\theta\phi}$0.79±.09; $M_{\phi r}$0.34±.36; NP1: ϕ_s1.00000°,δ43.00000°,λ-104.00000°. NP2:ϕ_s199.00000°,δ49.00000°,λ-78.00000°. Principal axes: T 4.5800,Plg3.0000°,Azm281.0000°; N 0.0800,Plg9.0000°,Azm11.0000° ; P -4.6600,Plg80.0000°,Azm172.0000° $M_0$4.62000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108070139A. Moment Tensor Solution. s83,c111; s138,c264;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.80±.07 $M_{\theta\theta}$0.17±.07; $M_{\phi\phi}$4.64±.06; $M_{r\theta}$1.69±.26; $M_{\theta\phi}$0.77±.06; $M_{\phi r}$-0.59±.20; Best double couple: NP1: ϕ_s206.00000°,δ46.00000°,λ-65.00000°. NP2:ϕ_s352.00000°,δ50.00000°,λ-114.00000°. Principal axes: T 4.7790,Plg2.0000°,Azm99.0000°; N 0.6120,Plg18.0000°,Azm8.0000° ; P -5.3830,Plg72.0000°,Azm195.0000° $M_0$5.08100×10^{16}
NAO Event type se. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=8.6km s-min=6.8km az=5.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.11 $M_{\theta\theta}$1.01 $M_{\phi\phi}$3.10 $M_{r\theta}$0.55 $M_{\theta\phi}$0.06 $M_{\phi r}$1.34 NP1:

ϕ_e188.04912°,δ55.59531°,λ-84.16893°. NP2:ϕ_e357.80410°,δ34.83523°,λ-98.43833°. Principal axes: T 3.3466,Plg10.4194°,Azm273.8603°; N 1.0524,Plg4.8084°,Azm4.7466° ; P -4.3990,Plg78.5020°,Azm119.1737° $M_0$3.97860×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.12 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$4.33 $M_{r\theta}$0.47 $M_{\theta\phi}$0.62 $M_{\phi r}$1.58 NP1:ϕ_e4.07000°,δ34.63000°,λ-95.73000°. NP2:ϕ_e191.03000°,δ55.57000°,λ-86.05000°. Principal axes: T 4.7126,Plg10.0000° ,Azm278.0000°; N -0.2761,Plg3.0000°,Azm9.0000°; P -4.4365,Plg79.0000°,Azm116.0000° $M_0$4.58000×10^{16}

ISC	**VIII**	**07 11 42 48.3–1.0**	**36.34N–.03**	**27.09E–.03**	**13–9**		**37**	**0-2**
THE	VIII	07 11 42 48.3	36N–2.0	27E–3.0	9–9	2.6,2.6	**¶621368897**	
ISK	VIII	07 11 42 48.1	36.33N	27.11E	10–0	2.4L,2.6		
AFAD	VIII	07 11 42 49.1	36.36N	27.15E	7–1	2.4L,2.6		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**08 09 13 09.0–.78**	**36.04N–.03**	**28.56E–.04**	**54–9**	**3.5b**	**190**	**0-87**
IDC	VIII	08 09 13 04.7–.82	36.22N	28.49E	0	3.8,3.7b	**¶621002121**	
PDG	VIII	08 09 13 09.2–.39	36.06N	28.58E	39–1	4.4L,3.7b		
AFAD	VIII	08 09 13 10.6	36.22N	28.47E	7–7	3.6W,3.7b		
THE	VIII	08 09 13 10.7	36N–4.0	29E–7.0	46–7	3.6,3.6		
ISK	VIII	08 09 13 10.9	36.19N	28.58E	28–0	3.6L,3.6		
ATH	VIII	08 09 13 10.3	36.09N	28.58E	40–3	3.8L,3.6		
GII	VIII	08 09 13 13.8–.00	35.699N–.00	28.942E–.00	0	3.8,3.6		

ISC Event type ke.
PDG Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/08 09:14:50, This location: 2021/08/08 09:30:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**VIII**	**08 03 51 02.6–.98**	**36.36N–.03**	**27.09E–.04**	**13–8**		**28**	**0-2**
ATH	VIII	08 03 51 01.5	36.43N	26.98E	26–4	2.8L	**¶621368971**	
ISK	VIII	08 03 51 02.1	36.34N	27.10E	3–0	2.1L		
AFAD	VIII	08 03 51 03.8	36.39N	27.10E	8–1	1.9L		

ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/08 03:52:09, This location: 2021/08/08 04:41:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 3 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**08 10 48 54.1–1.2**	**36.34N–.04**	**27.05E–.03**	**11–10**		**35**	**0-2**
AFAD	VIII	08 10 48 53.3	36.29N	27.04E	6–2	2.2L	**¶621369008**	
ISK	VIII	08 10 48 53.4	36.33N	27.03E	8–0	2.3L		
THE	VIII	08 10 48 55.7	36N–10	27E–14	11–14	2.6,2.6		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VIII**	**08 11 41 57.4–.96**	**36.40N–.03**	**27.06E–.02**	**12–7**		**61**	**0-3**
ISK	VIII	08 11 41 56.8	36.40N	27.08E	5–0	2.9L	**¶621369011**	
ATH	VIII	08 11 41 57.3	36.43N	27.10E	17–3	3.2L		
AFAD	VIII	08 11 41 57.7	36.43N	27.09E	7–1	2.6L		
THE	VIII	08 11 41 57.7	36N–2.0	27E–1.0	12–6	2.9,2.9		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/08 11:43:44, This location: 2021/08/08 11:49:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

THE	**VIII**	**09 01 25 55.9**	**36N–3.0**	**27E–2.0**	**14–7**	**2.5,2.5**		
ISK	VIII	09 01 25 54.6	36.37N	26.98E	6–0	2.4L,2.5	**¶621369059**	
AFAD	VIII	09 01 25 56.4	36.31N	27.14E	20–2	2.4L,2.5		

ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**08 16 55 43.6–.89**	**36.42N–.02**	**27.10E–.02**	**14–6**		**166**	**0-4**
ATH	VIII	08 16 55 43.6	36.42N	27.08E	14–1	3.6L	**¶621369042**	
THE	VIII	08 16 55 44.6	36N–1.0	27E–1.0	12–2	3.5,3.5		
AFAD	VIII	08 16 55 44.3	36.43N	27.14E	14–1	3.7W,3.5		
ISK	VIII	08 16 55 45.0	36.35N	27.12E	24–0	3.4L,3.5		

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/08 16:57:10, This location: 2021/08/08 17:05:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VIII**	**09 02 10 33.4–.91**	**36.32N–.03**	**27.02E–.02**	**16–6**	**3.8b,3.2s**	**118**	**0-65**
IDC	VIII	09 02 10 31.0–.81	36.22N	27.02E	0	3.8b,3.7	**¶621007216**	
ISK	VIII	09 02 10 32.4	36.32N	26.99E	9–0	3.6L,3.7		
ATH	VIII	09 02 10 33.6	36.35N	27.01E	17–1	3.6L,3.7		
THE	VIII	09 02 10 33.8	36N–5.0	27E–2.0	14–9	3.7,3.7		
AFAD	VIII	09 02 10 33.6	36.33N	27.05E	23–1	3.7W,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=10.6km az=2.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/09 02:11:02, This location: 2021/08/09 06:43:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

AFAD	**VIII**	**09 02 41 55.7**	**37.33N**	**26.30E**	**5–6**	**1.9L**		
ISK	VIII	09 02 42 06.6	36.40N	27.12E	5–0	1.5L	**¶621369062**	

AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VIII**	**10 20 14 18.2–.81**	**36.39N–.02**	**27.10E–.02**	**16–5**	**3.5b**	**142**	**0-57**
ISK	VIII	10 20 14 17.6	36.40N	27.08E	2–0	3.2L	**¶621008136**	
AFAD	VIII	10 20 14 18.6	36.39N	27.10E	7–1	3.5L		
THE	VIII	10 20 14 18.7	36N–1.0	27E–1.0	10–2	3.4,3.4		
ATH	VIII	10 20 14 18.2	36.41N	27.10E	14–1	3.4L,3.4		
IDC	VIII	10 20 14 20.5–3.5	36.37N	27.08E	30–29	3.5,3.4b		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/08/10 20:15:44, This location: 2021/08/10 20:23:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=15.6km s-min=10.8km az=15.0.

ISC	**VIII**	**09 20 36 25.5–.89**	**36.29N–.02**	**27.02E–.02**	**16–6**	**3.3b**	**142**	**0-43**
IDC	VIII	09 20 36 23.4–.95	36.43N	26.96E	0	3.4b,3.4	**¶621007284**	
ATH	VIII	09 20 36 25.1	36.30N	27.01E	18–1	3.5L,3.4		
AFAD	VIII	09 20 36 26.4	36.37N	27.06E	24–1	2.9L,3.4		
ISK	VIII	09 20 36 26.3	36.25N	27.02E	9–0	3.3L,3.4		
THE	VIII	09 20 36 26.0	36N–1.0	27E–1.0	8–3	3.3,3.3		

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/09 20:37:01, This location: 2021/08/09 20:45:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VIII**	**09 17 00 13.6–.00**	**36.33N–.03**	**27.07E–.03**	**14–8**		**43**	**0-2**
ISK	VIII	09 17 00 13.7	36.27N	27.07E	3–0	2.5L	**¶621369117**	
THE	VIII	09 17 00 13.5	36N–5.0	27E–6.0	8–11	2.5,2.5		
AFAD	VIII	09 17 00 16.4	36.45N	27.24E	7–3	2.0L,2.5		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**09 21 19 45.4–.76**	**36.53N–.02**	**25.56E–.02**	**14–5**		**129**	**0-29**
IDC	VIII	09 21 19 41.1–4.4	35.56N	25.57E	0	3.2,3.1b	**¶621007287**	
ISK	VIII	09 21 19 45.7	36.41N	25.47E	9–0	2.9L,3.1b		
THE	VIII	09 21 19 45.6	37N–1.0	26E–1.0	13–1	3.1,3.1		
ATH	VIII	09 21 19 45.3	36.53N	25.55E	12–0	3.0L,3.1		
AFAD	VIII	09 21 19 46.4	36.52N	25.65E	8–2	2.6L,3.1		

ISC Event type ke.
IDC Error ellipse: s-maj=87.2km s-min=27.8km az=171.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/09 21:20:53, This location: 2021/08/09 21:31:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**12 04 54 41.3–.94**	**36.34N–.02**	**27.02E–.02**	**11–7**		**103**	**0-42**
ISK	VIII	12 04 54 39.7	36.34N	27.01E	2–0	3.2L	**¶621009379**	
IDC	VIII	12 04 54 39.9–1.6	36.38N	26.93E	0	3.3b,3.3		
AFAD	VIII	12 04 54 41.5	36.34N	27.08E	17–2	2.9L,3.3		
THE	VIII	12 04 54 41.4	36N–1.0	27E–2.0	8–3	3.1,3.1		
ATH	VIII	12 04 54 41.1	36.33N	27.04E	14–2	3.3L,3.1		

ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=64.3km s-min=20.9km az=154.0.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/12 04:56:00, This location: 2021/08/12 05:05:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.

ISK	**VIII**	**10 21 38 34.2**	**36.26N**	**27.12E**	**9–0**	**1.7L**		
AFAD	VIII	10 21 38 35.4	36.44N	27.07E	8–3	1.5L	**¶621369205**	

ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**10 22 53 56.3–.70**	**36.31N–.02**	**27.12E–.02**	**15–4**	**3.7b**	**214**	**0-58**
IDC	VIII	10 22 53 54.1–.69	36.31N	27.06E	0	3.8b,3.7	**¶620979998**	
ISK	VIII	10 22 53 54.6	36.35N	27.05E	7–0	3.7L,3.7		
ATH	VIII	10 22 53 55.8	36.33N	27.11E	18–1	3.8L,3.7		
THE	VIII	10 22 53 56.1	36N–1.0	27E–2.0	11–3	3.8,3.8		
GFZ	VIII	10 22 53 57.6–.24	36N–3.0	27E–2.0	10	4.0b,4.0		
AFAD	VIII	10 22 53 58.1	36.41N	27.16E	23–1	3.9W,4.0		

ISC Event type ke.
IDC Error ellipse: s-maj=12.3km s-min=9.1km az=6.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/08/10 22:55:13, This location: 2021/08/10 22:59:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**10 22 56 29.9–1.5**	**36.21N–.07**	**27.21E–.07**	**35**		**7**	**1-2**
ISK	VIII	10 22 56 27.4	36.29N	27.16E	12–0	2.3L	**¶626714519**	

ISC Event type ke.
ISK Event type ke.

THE	**VIII**	**10 22 56 45.3**	**36.6N–.90**	**26E–1.0**	**0–3**	**1.5,1.5**		
							¶621369210	
ISC	**VIII**	**10 23 05 20.9–.95**	**36.33N–.02**	**27.10E–.02**	**16–7**		**112**	**0-32**
IDC	VIII	10 23 05 19.1–1.4	36.31N	27.01E	0	3.4b,3.2	**¶621008151**	
ISK	VIII	10 23 05 19.4	36.37N	27.06E	8–0	3.1L,3.2		
THE	VIII	10 23 05 20.9	36N–3.0	27E–2.0	12–7	3.2,3.2		
ATH	VIII	10 23 05 20.7	36.33N	27.10E	18–1	3.1L,3.2		
AFAD	VIII	10 23 05 22.3	36.36N	27.18E	4–4	2.9L,3.2		

ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=17.5km az=5.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/08/10 23:06:44, This location: 2021/08/10 23:13:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**11 10 24 42.7–.70**	**36.24N–.02**	**27.07E–.02**	**8–4**	**4.1b,3.3s**	**494**	**0-117**
GII	VIII	11 10 24 39.4–.00	36.261N–.00	27.102E–.00	0	4.4,3.3s	**¶620980054**	
IDC	VIII	11 10 24 40.6–.74	36.09N	27.14E	0	4.0b,3.9		
MOS	VIII	11 10 24 41.6–1.1	36.25N	27.13E	12	4.5b,3.9		
NEIC	VIII	11 10 24 42.5–1.2	36.18N–.05	27.06E–.05	10–1	4.2b,3.9		
ISK	VIII	11 10 24 42.9	36.25N	27.01E	8–0	4.0L,3.9		
PDG	VIII	11 10 24 43.5–.75	36.36N	26.97E	14–1	4.1L,3.9		
THE	VIII	11 10 24 43.3	36N–1.0	27E–1.0	7–3	4.0,4.0		
ATH	VIII	11 10 24 43.1	36.31N	27.08E	16–1	3.9L,4.0		
MCSM	VIII	11 10 24 43.3–.40	36N–3.0	27E–4.0	11	4.5b,4.3		
GFZ	VIII	11 10 24 44.7–.20	36N–2.0	27E–2.0	10	4.2b,4.0		
AFAD	VIII	11 10 24 44.2	36.33N	27.10E	4–1	4.2W,4.0		
NAO	VIII	11 10 24 48.0	36.29N	27.12E	10	4.3b,4.0		

ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=14.4km s-min=10.6km az=178.0.
MOS Error ellipse: s-maj=5.9km s-min=3.8km az=91.9.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=90.0.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/11 10:25:59, This location: 2021/08/11 10:35:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
GFZ Error ellipse: s-maj=4.9km s-min=4.0km az=33.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
AFAD Event type se. Presumed earthquake.
NAO Event type se. Presumed earthquake.

ISC	**VIII**	**12 17 34 04.5–.97**	**36.06N–.02**	**27.51E–.02**	**16–7**	**3.2b**	**99**	**1-43**
IDC	VIII	12 17 34 02.0–.94	36.07N	27.41E	0	3.3b,3.3	**¶621009440**	
ISK	VIII	12 17 34 03.1	36.10N	27.47E	5–0	3.6L,3.3		
THE	VIII	12 17 34 05.0	36N–2.0	28E–1.0	7–2	3.2,3.2		
AFAD	VIII	12 17 34 04.2	36.05N	27.56E	7–2	3.6W,3.2		
ATH	VIII	12 17 34 04.8	36.03N	27.55E	13–1	3.4L,3.2		

ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=13.7km az=3.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/08/12 17:35:56, This location: 2021/08/12 17:43:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

AFAD	**VIII**	**12 06 11 57.6**	**36.28N**	**27.00E**	**6–1**	**1.6L**		
ISK	VIII	12 06 11 59.0	37.83N	27.84E	14–0	2.0L	**¶621369292**	

AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VIII**	**12 18 29 04.3–1.0**	**35.16N–.03**	**27.36E–.03**	**27–9**	**3.3b**	**170**	**0-109**
AFAD	VIII	12 18 29 00.3	35.12N	27.27E	7–2	3.7W	**¶621009444**	
GII	VIII	12 18 29 02.2–.00	35.140N–.00	27.380E–.00	0	3.6		
ATH	VIII	12 18 29 03.7	35.16N	27.40E	7–2	3.6L		
ISK	VIII	12 18 29 03.1	35.14N	27.38E	8–0	3.6L		
THE	VIII	12 18 29 05.1	35N–6.0	27E–4.0	9–10	3.4,3.4		
IDC	VIII	12 18 29 05.9–1.7	35.23N	27.46E	51–21	3.5,3.3b		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/08/12 18:30:30, This location: 2021/08/12 18:41:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=13.3km az=177.0.

AFAD	**VIII**	**12 22 30 56.5**	**36.26N**	**26.99E**	**6–2**	**1.8L**		
ISK	VIII	12 22 30 57.7	36.28N	27.06E	9–0	2.1L	**¶626714507**	

AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**VIII**	**13 02 06 58.4–.94**	**36.38N–.03**	**27.12E–.03**	**11–8**		**45**	**0-2**
THE	VIII	13 02 06 58.3	36N–6.0	27E–5.0	9–24	2.2,2.2	**¶621369339**	
ATH	VIII	13 02 06 58.4	36.37N	27.13E	8–2	2.5L,2.2		

ISK VIII 13 02 06 58.5 36.34N 27.13E 25–0 2.3L,2.2
AFAD VIII 13 02 07 00.0 36.41N 27.23E 8–2 1.8L,2.2
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/13 02:07:35, This location: 2021/08/13 07:01:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 3 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 12 21 58 29.3–.87 36.30N–.02 27.05E–.02 17–6 3.5b 194 0-76
IDC VIII 12 21 58 26.9–.68 36.38N 27.03E 0 3.7b,3.7 **¶620984558**
ISK VIII 12 21 58 28.7 36.32N 27.01E 14–0 3.8L,3.7
ATH VIII 12 21 58 29.3 36.31N 27.06E 15–1 3.8L,3.7
THE VIII 12 21 58 29.4 36N–1.0 27E–2.0 11–3 3.8,3.8
AFAD VIII 12 21 58 29.6 36.31N 27.06E 9–1 4.0W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=8.7km az=13.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/12 21:59:01, This location: 2021/08/13 04:26:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 14 12 27 13.1–1.1 36.33N–.03 27.07E–.03 13–9 37 0-2
AFAD VIII 14 12 27 12.8 36.30N 27.14E 7–1 2.1L **¶621369426**
ISK VIII 14 12 27 12.5 36.32N 27.02E 10–0 2.3L
THE VIII 14 12 27 13.7 36N–23 27E–16 0–21 2.5
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 14 05 16 52.5–.95 36.30N–.02 27.11E–.02 12–7 103 0-32
IDC VIII 14 05 16 48.9–1.5 36.52N 27.19E 0 3.3b,3.1 **¶621013443**
AFAD VIII 14 05 16 52.4 36.26N 27.11E 7–2 2.8L,3.1
ATH VIII 14 05 16 52.2 36.30N 27.06E 10–2 3.1L,3.1
ISK VIII 14 05 16 52.8 36.30N 27.12E 11–0 3.0L,3.1
THE VIII 14 05 16 53.0 36N–1.0 27E–2.0 1–2 3.1,3.1
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/14 05:18:18, This location: 2021/08/14 05:28:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISK VIII 14 05 24 21.9 36.35N 27.09E 15–0 2.2L
AFAD VIII 14 05 24 21.0 36.50N 27.11E 29–7 1.8L **¶621369394**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 13 16 43 36.8–.88 36.42N–.02 27.14E–.02 14–6 66 0-2
ATH VIII 13 16 43 36.9 36.44N 27.13E 16–2 2.8L **¶621369375**
AFAD VIII 13 16 43 36.9 36.43N 27.07E 12–2 2.3L
THE VIII 13 16 43 37.9 36N–12 27E–15 0–23 2.9,2.9
ISK VIII 13 16 43 38.2 36.39N 27.18E 9–0 2.4L,2.9
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/08/13 16:45:27, This location: 2021/08/13 17:07:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 14 16 43 54.5–.98 35.77N–.03 27.48E–.02 17–7 164 0-39
IDC VIII 14 16 43 52.7–.98 35.79N 27.46E 0 3.5L,3.4b **¶621013523**
ISK VIII 14 16 43 53.7 35.85N 27.40E 7–0 3.3L,3.4b
THE VIII 14 16 43 54.8 36N–2.0 27E–2.0 3–2 3.2,3.2
AFAD VIII 14 16 43 54.4 35.77N 27.40E 37–1 3.0L,3.2
ATH VIII 14 16 43 54.3 35.73N 27.53E 12–1 3.4L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=11.2km az=178.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/14 16:45:39, This location: 2021/08/14 18:13:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISC VIII 15 02 46 01.9–.90 36.43N–.02 27.15E–.03 11–7 53 0-2
ISK VIII 15 02 46 00.2 36.43N 27.06E 5–0 2.3L **¶621369450**
ATH VIII 15 02 46 01.4 36.43N 27.07E 11–2 2.6L
THE VIII 15 02 46 02.3 36N–2.0 27E–3.0 6–6 2.6,2.6
AFAD VIII 15 02 46 03.6 36.45N 27.20E 7–2 2.1L,2.6
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/08/15 02:46:35, This location: 2021/08/15 02:50:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 15 04 46 23.4–.99 36.42N–.02 27.08E–.02 8–8 49 0-2
ATH VIII 15 04 46 23.2 36.42N 27.05E 7–2 2.5L **¶621369456**
ISK VIII 15 04 46 23.2 36.41N 27.10E 8–0 2.1L
THE VIII 15 04 46 23.4 36N–2.0 27E–2.0 6–6 2.6,2.6
AFAD VIII 15 04 46 25.8 36.45N 27.23E 7–3 1.8L,2.6
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/15 04:46:57, This location: 2021/08/15 04:51:46 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 15 16 17 14.2–1.1 36.42N–.03 27.17E–.02 5–10 50 0-3
AFAD VIII 15 16 17 13.5 36.39N 27.19E 6–1 2.5L **¶621369497**
ISK VIII 15 16 17 14.4 36.40N 27.18E 7–0 2.8L
THE VIII 15 16 17 15.1 36N–2.0 27E–1.0 8–3 2.7,2.7
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 15 07 30 12.6–1.1 36.38N–.03 27.09E–.03 8–9 30 0-3
ISK VIII 15 07 30 10.4 36.39N 27.05E 5–0 2.2L **¶621369467**
THE VIII 15 07 30 12.6 36N–14 27E–10 3–15 2.8,2.8
AFAD VIII 15 07 30 15.0 36.42N 27.27E 10–2 1.9L,2.8
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 15 14 34 19.2–.90 36.30N–.02 27.09E–.02 14–6 3.8b 189 0-117
IDC VIII 15 14 34 17.1–.63 36.31N 27.03E 0 3.9b,3.8 **¶621023620**
ISK VIII 15 14 34 18.9 36.30N 27.10E 7–0 3.7L,3.8
NEIC VIII 15 14 34 18.9–1.9 36.19N–.03 27.02E–.03 10–1 4.0b,3.8
AFAD VIII 15 14 34 19.0 36.29N 27.09E 7–1 3.8W,3.8
THE VIII 15 14 34 19.5 36N–1.0 27E–1.0 11–2 3.8,3.8
ATH VIII 15 14 34 19.1 36.31N 27.12E 16–1 3.8L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=13.2km s-min=10.1km az=16.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.2km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/15 14:35:38, This location: 2021/08/15 14:48:35 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VIII 17 13 31 02.7–.91 36.44N–.02 27.17E–.02 10–6 62 0-2
AFAD VIII 17 13 31 01.6 36.40N 27.18E 6–2 2.8L **¶621369600**
ISK VIII 17 13 31 02.8 36.46N 27.15E 5–0 2.9L
THE VIII 17 13 31 02.6 36N–7.0 27E–4.0 8–7 2.7,2.7
ATH VIII 17 13 31 03.2 36.52N 27.25E 15–1 2.8L,2.7
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/17 13:32:40, This location: 2021/08/17 14:02:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
ISC VIII 15 14 44 08.5–1.2 36.42N–.02 27.16E–.03 4–12 36 0-2
THE VIII 15 14 44 08.4 36N–8.0 27E–6.0 3–21 2.7,2.7 **¶621369493**
ISK VIII 15 14 44 09.1 36.41N 27.14E 6–0 2.3L,2.7
AFAD VIII 15 14 44 11.0 36.54N 27.23E 11–3 2.0L,2.7
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 15 11 58 29.0–.84 36.44N–.02 27.14E–.02 12–6 99 0-33
IDC VIII 15 11 58 27.8–1.3 36.48N 27.00E 0 3.6b,3.6s **¶621023601**
ISK VIII 15 11 58 27.2 36.46N 27.08E 8–0 3.1L,3.6s
ATH VIII 15 11 58 28.7 36.42N 27.14E 9–2 3.2L,3.6s
AFAD VIII 15 11 58 29.9 36.48N 27.20E 7–2 3.0L,3.6s
THE VIII 15 11 58 29.1 36N–2.0 27E–2.0 6–5 3.3,3.3
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/15 11:58:57, This location: 2021/08/15 12:07:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 19 14 03 55.0–1.0 36.40N–.02 27.03E–.02 7–8 69 0-3
AFAD VIII 19 14 03 53.6 36.36N 27.05E 3–1 2.7L **¶621369721**
ATH VIII 19 14 03 54.7 36.41N 27.05E 15–2 3.0L
ISK VIII 19 14 03 55.1 36.40N 27.07E 4–0 2.8L
THE VIII 19 14 03 55.4 36N–2.0 27E–2.0 6–5 2.9,2.9
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/19 14:04:25, This location: 2021/08/19 14:38:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC VIII 19 15 03 58.4–.74 37.83N–.02 26.91E–.02 12–5 66 0-2
AFAD VIII 19 15 03 58.7 37.84N 26.95E 7–3 2.9L **¶621369726**
THE VIII 19 15 03 58.9 38N–3.0 27E–3.0 10–2 3.0,3.0
ISK VIII 19 15 03 58.2 37.81N 26.91E 14–0 3.1L,3.0
ATH VIII 19 15 03 59.2 37.80N 26.89E 9–1 2.9L,3.0
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/08/19 15:04:39, This location: 2021/08/19 20:21:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 3 km.
ISC VIII 17 12 10 59.8–1.1 36.33N–.03 27.09E–.03 7–9 43 0-2
ATH VIII 17 12 10 59.4 36.46N 27.02E 27–3 3.0L **¶621369595**
ISK VIII 17 12 11 00.7 36.39N 27.05E 6–0 2.1L
THE VIII 17 12 11 00.7 36N–3.0 27E–3.0 6–9 2.2,2.2
AFAD VIII 17 12 11 00.6 36.37N 27.10E 7–3 2.0L,2.2
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/17 12:11:36, This location: 2021/08/17 12:14:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 3 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 18 20 40 07.7–1.0 36.39N–.03 27.09E–.03 10–8 37 0-2
THE VIII 18 20 40 07.6 36N–1.0 27E–2.0 7–5 2.6,2.6 **¶621369671**
ISK VIII 18 20 40 07.2 36.39N 27.09E 9–0 2.5L,2.6
AFAD VIII 18 20 40 08.9 36.42N 27.16E 7–3 2.3L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 19 11 06 15.7–.76 36.38N–.02 27.10E–.02 10–5 4.2b,3.5s 343 0-76
IDC VIII 19 11 06 13.9–.62 36.26N 27.13E 0 4.1b,4.0 **¶620997101**
MED_R VIII 19 11 06 14.0 36.41N 27.04E 13 4.5W,4.0
AFAD VIII 19 11 06 14.2 36.37N 27.09E 8–1 3.9L,4.0
THE VIII 19 11 06 15.6 36N–1.0 27E–1.0 6–2 4.0,4.0
MCSM VIII 19 11 06 15.0–1.3 36N–3.0 27E–3.0 10–10 4.5b,4.2b
NEIC VIII 19 11 06 15.9–2.2 36.18N–.06 27.11E–.04 10–1 4.3b,4.2b
ATH VIII 19 11 06 15.1 36.42N 27.04E 9–1 4.0L,4.2b
ISK VIII 19 11 06 15.1 36.35N 27.05E 12–0 4.4L,4.2b
GFZ VIII 19 11 06 17.9–.19 36N–3.0 27E–2.0 10 4.3b,4.3
GII VIII 19 11 06 17.4–.00 36.092N–.00 27.292E–.00 0 4.3,4.3
ISC Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-3.32±.69 $M_{\theta\theta}$-1.80±.38; $M_{\phi\phi}$0.00±.56; $M_{r\theta}$4.51±1.00; $M_{\theta\phi}$0.95±.50; $M_{\phi r}$0.25±.48; NP1: ϕ_s337.00000°,δ50.00000°,λ-145.00000°. NP2:ϕ_s223.00000°,δ64.00000°,λ-45.00000°. Principal axes: T 5.3700,Plg8.0000°,Azm283.0000°; N 1.7800,Plg39.0000°,Azm19.0000° ; P -7.1500,Plg50.0000°,Azm183.0000° $M_0$6.26000×10^{15}
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/19 11:07:32, This location: 2021/08/19 12:10:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VIII 19 11 26 32.8–.54 36.37N–.02 27.12E–.02 10–3 4.9b,4.0s 961 0-126
BJI VIII 19 11 26 27.6 36.23N 26.71E 10 4.7b,4.6b **¶620997103**
MOS VIII 19 11 26 31.6–1.2 36.34N 27.15E 11 5.0b,4.0s
ISK VIII 19 11 26 31.9 36.40N 27.05E 6–0 4.7L,4.0s
IDC VIII 19 11 26 31.3–.42 36.29N 27.13E 0 4.5b,4.5
AFAD VIII 19 11 26 31.4 36.36N 27.10E 15–2 4.6W,4.5
MCSM VIII 19 11 26 32.5–1.0 36N–2.0 27E–2.0 10–7 5.0b,4.9b
THE VIII 19 11 26 32.6 36N–1.0 27E–1.0 0–2 4.7,4.7
PDG VIII 19 11 26 32.6–.80 36.40N 27.11E 9–1 4.6L,4.7
ATH VIII 19 11 26 32.1 36.43N 27.10E 16–1 4.7L,4.7
MED_R VIII 19 11 26 32.0 36.43N 27.09E 13 4.8W,4.7
GFZ VIII 19 11 26 33.5–.13 36N–2.0 27E–1.0 10 4.6b,4.4
GFZ VIII 19 11 26 33.5 36.30N 27.16E 10 4.7W,4.4
NEIC VIII 19 11 26 33.0–2.3 36.34N–.06 27.12E–.06 10–1 5.0b,4.7
NEIC VIII 19 11 26 33.1 36.34N 27.12E 10 5.0b,4.7
GCMT VIII 19 11 26 34.5–.40 36.33N–.03 26.95E–.02 25–1 4.8W,4.7
GII VIII 19 11 26 35.6–.00 36.060N–.00 27.320E–.00 0–0 4.7,4.7
NAO VIII 19 11 26 53.2 36.29N 27.13E 10 4.9b,4.7
ISC Event type ke.
MOS Error ellipse: s-maj=4.2km s-min=2.7km az=104.4.
ISK Event type ke.
IDC Error ellipse: s-maj=9.2km s-min=7.4km az=8.0.
AFAD Event type se. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=90.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/19 11:27:52, This location: 2021/08/19 11:44:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.44±.10 $M_{\theta\theta}$-0.86±.06; $M_{\phi\phi}$0.00±.08; $M_{r\theta}$1.01±.19; $M_{\theta\phi}$1.10±.07; $M_{\phi r}$-0.41±.13; NP1: ϕ_s343.00000°,δ66.00000°,λ-155.00000°. NP2:ϕ_s242.00000°,δ67.00000°,λ-26.00000°. Principal axes: T 1.7600,Plg0.0000°,Azm293.0000°; N 0.2900,Plg56.0000°,Azm24.0000° ; P -2.0600,Plg34.0000°,Azm203.0000° $M_0$1.91000×10^{16}
GFZ Error ellipse: s-maj=4.0km s-min=2.8km az=29.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$1.01 $M_{r\theta}$0.51 $M_{\theta\phi}$0.61 $M_{\phi r}$0.28 NP1: ϕ_s225.59502°,δ61.03011°,λ-62.30729°. NP2:ϕ_s358.29696°,δ39.22579°,λ-130.01124°. Principal axes: T 1.3645,Plg11.8459°,Azm295.9760°; N -0.2250,Plg23.9902°,Azm31.3319° ; P -1.1395,Plg62.9052°,Azm181.7728° $M_0$1.26707×10^{16}

NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.1km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.63 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$0.98 $M_{r\theta}$0.59 $M_{\theta\phi}$0.71 $M_{\phi r}$0.22 NP1:ϕ_s236.91000°,δ69.22000°,λ-45.39000°. NP2:ϕ_s346.69000°,δ48.27000°,λ-151.62000°. Principal axes: T 1.3911,Plg13.0000°,Azm296.0000°; N -0.2513,Plg41.0000°,Azm38.0000°; P -1.1398,Plg46.0000°,Azm193.0000° $M_0$1.28000×10^{16}

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108191126A. Moment Tensor Solution. s14,c15; s89,c121; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.09±.19 $M_{\theta\theta}$-0.82±.11; $M_{\phi\phi}$1.91±.13; $M_{r\theta}$0.77±.23; $M_{\theta\phi}$1.68±.10; $M_{\phi r}$0.28±.20; Best double couple: NP1:ϕ_s344.00000°,δ60.00000°,λ-160.00000°. NP2:ϕ_s244.00000°,δ73.00000°,λ-32.00000°. Principal axes: T 2.7980,Plg9.0000°,Azm297.0000°; N -0.7900,Plg55.0000°,Azm39.0000°; P -2.0070,Plg34.0000°,Azm201.0000° $M_0$2.40300×10^{16}

GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

NAO Event type se. Presumed earthquake.

ISC	**VIII**	**19 14 30 00.7–.78**	**37.86N–.02**	**26.92E–.02**	**16–5**		**100**	**0-3**
THE	VIII	19 14 30 00.7	38N–2.0	27E–3.0	7–3	3.2,3.2		**¶621369722**
ISK	VIII	19 14 30 00.4	37.84N	26.90E	16–0	3.6L,3.2		
AFAD	VIII	19 14 30 00.8	37.88N	26.94E	7–2	3.6L,3.2		
ATH	VIII	19 14 30 01.2	37.81N	26.86E	17–1	3.3L,3.2		

ISC Event type ke.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/19 14:31:21, This location: 2021/08/19 14:35:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**VIII**	**19 18 36 27.4–.88**	**36.42N–.02**	**27.07E–.02**	**13–6**		**55**	**0-2**
THE	VIII	19 18 36 27.6	36N–2.0	27E–2.0	11–8	2.8,2.8		**¶621369736**
ISK	VIII	19 18 36 27.9	36.37N	27.07E	15–0	2.6L,2.8		
AFAD	VIII	19 18 36 27.0	36.41N	27.04E	7–1	2.2L,2.8		
ATH	VIII	19 18 36 27.1	36.43N	27.10E	17–1	2.8L,2.8		

ISC Event type ke.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/08/19 18:36:59, This location: 2021/08/19 21:01:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	**VIII**	**19 11 36 07.7–.88**	**36.41N–.02**	**27.08E–.02**	**11–6**		**134**	**0-42**
AFAD	VIII	19 11 36 06.0	36.37N	27.05E	7–1	3.4L		**¶621039182**
IDC	VIII	19 11 36 06.2–.94	36.29N	27.05E	0	3.6b,3.5		
THE	VIII	19 11 36 07.6	36N–1.0	27E–1.0	0–2	3.5,3.5		
ISK	VIII	19 11 36 07.5	36.40N	27.06E	8–0	3.5L,3.5		
ATH	VIII	19 11 36 07.3–.19	36.43N	27.09E	10	3.6L,3.5		

ISC Event type ke.

AFAD Event type se. Presumed earthquake.

IDC Error ellipse: s-maj=16.9km s-min=11.0km az=177.0.

ISK Event type ke.

ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/08/19 11:37:32, This location: 2021/08/19 11:51:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**VIII**	**19 15 40 55.3–.94**	**36.94N–.03**	**27.81E–.02**	**12–8**		**29**	**0-2**
ISK	VIII	19 15 40 54.7	36.95N	27.81E	10–0	2.7L		**¶621369729**
AFAD	VIII	19 15 40 55.0	36.93N	27.80E	7–1	2.1L		

ISC Event type ke.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**19 22 44 56.5–1.1**	**36.39N–.02**	**27.05E–.02**	**4–8**	**3.2b**	**148**	**0-42**
IDC	VIII	19 22 44 55.4–.87	36.26N	27.08E	0	3.4b,3.4		**¶621039223**
ISK	VIII	19 22 44 56.0	36.42N	26.99E	6–0	3.6L,3.4		
AFAD	VIII	19 22 44 56.0	36.31N	27.14E	7–1	3.8W,3.4		
THE	VIII	19 22 44 57.3	36N–1.0	27E–1.0	0–2	3.5,3.5		
ATH	VIII	19 22 44 57.0	36.41N	27.02E	8–2	3.6L,3.5		

ISC Event type ke.

IDC Error ellipse: s-maj=17.8km s-min=11.0km az=1.0.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/08/19 22:46:26, This location: 2021/08/20 02:49:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	**VIII**	**19 23 11 01.0–.84**	**36.42N–.02**	**27.05E–.02**	**13–6**		**124**	**0-32**
IDC	VIII	19 23 10 59.8–1.2	36.52N	26.90E	0	3.4b,3.3L		**¶621039224**
ISK	VIII	19 23 10 59.8	36.42N	27.02E	3–0	3.3L,3.3L		
AFAD	VIII	19 23 11 00.9	36.41N	27.07E	12–1	2.9L,3.3L		
ATH	VIII	19 23 11 00.6	36.44N	27.10E	18–1	3.4L,3.3L		
THE	VIII	19 23 11 01.3	36N–2.0	27E–2.0	10–3	3.3,3.3		

ISC Event type ke.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/08/19 23:12:24, This location: 2021/08/20 02:55:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.

ISC	**VIII**	**19 21 22 60.0–1.1**	**36.38N–.03**	**27.09E–.03**	**8–10**		**33**	**0-2**
AFAD	VIII	19 21 22 59.9	36.37N	27.11E	6–3	1.9L		**¶621369743**
THE	VIII	19 21 22 60.0	36N–4.0	27E–5.0	5–11	2.5,2.5		
ISK	VIII	19 21 23 00.2	36.34N	27.11E	10–0	2.1L,2.5		

ISC Event type ke.

AFAD Event type se. Presumed earthquake.

ISK Event type ke.

ISC	**VIII**	**20 01 31 33.0–.97**	**36.42N–.03**	**27.05E–.04**	**11–8**		**27**	**0-1**
ATH	VIII	20 01 31 32.2	36.41N	26.99E	10–4	2.5L		**¶621369755**
ISK	VIII	20 01 31 33.7	36.37N	27.13E	26–0	2.0L		
THE	VIII	20 01 31 33.2	36N–2.0	27E–1.0	11	2.3,2.3		

ISC Event type ke.

ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/20 01:31:57, This location: 2021/08/20 04:41:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.

ISK Event type ke.

ISC	**VIII**	**20 11 45 08.5–.78**	**36.43N–.02**	**27.09E–.02**	**13–5**	**3.6b**	**184**	**0-84**
IDC	VIII	20 11 45 06.5–.70	36.57N	26.95E	0	3.8b,3.7		**¶621041277**
ISK	VIII	20 11 45 07.7	36.45N	27.03E	5–0	3.7L,3.7		
THE	VIII	20 11 45 08.7	36N–1.0	27E–1.0	8–3	3.7,3.7		
AFAD	VIII	20 11 45 08.5	36.43N	27.09E	6–2	3.3L,3.7		
ATH	VIII	20 11 45 08.1	36.42N	27.08E	9–2	3.7L,3.7		

ISC Event type ke.

IDC Error ellipse: s-maj=14.0km s-min=10.7km az=167.0.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/20 11:46:29, This location: 2021/08/20 11:55:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	**VIII**	**20 12 06 37.1–1.0**	**36.44N–.02**	**27.10E–.02**	**8–8**		**51**	**0-2**
ISK	VIII	20 12 06 36.4	36.46N	27.07E	5–0	2.4L		**¶621369782**
AFAD	VIII	20 12 06 36.1	36.40N	27.05E	7–3	2.2L		
THE	VIII	20 12 06 37.8	36N–2.0	27E–2.0	5–6	2.7,2.7		

ISC Event type ke.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**21 05 19 18.0–.85**	**36.42N–.02**	**27.09E–.02**	**13–6**		**106**	**0-39**
IDC	VIII	21 05 19 16.0–1.1	36.59N	27.12E	0	3.3b,3.2		**¶621042972**
ATH	VIII	21 05 19 17.8	36.42N	27.09E	14–1	3.3L,3.2		
THE	VIII	21 05 19 18.9	36N–4.0	27E–3.0	0–13	3.2,3.2		
ISK	VIII	21 05 19 18.7	36.40N	27.07E	3–0	3.2L,3.2		
AFAD	VIII	21 05 19 19.1	36.44N	27.15E	5–3	2.9L,3.2		

ISC Event type ke.

IDC Error ellipse: s-maj=26.4km s-min=16.4km az=165.0.

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/21 05:21:09, This location: 2021/11/25 09:39:35 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**20 15 30 48.9–1.1**	**36.37N–.03**	**27.09E–.03**	**10–9**		**37**	**0-2**
ISK	VIII	20 15 30 49.2	36.31N	27.11E	25–0	2.0L		**¶621369791**
AFAD	VIII	20 15 30 49.9	36.44N	27.12E	8–1	2.2L		
THE	VIII	20 15 30 49.6	36N–16	27E–17	0–40	2.5,2.5		

ISC Event type ke.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**21 16 08 43.1–.91**	**36.46N–.03**	**27.07E–.02**	**12–6**		**64**	**0-2**
ATH	VIII	21 16 08 42.3	36.48N	27.10E	20–1	2.9L		**¶621369893**
ISK	VIII	21 16 08 42.1	36.41N	27.08E	3–0	2.7L		
THE	VIII	21 16 08 43.4	36N–2.0	27E–2.0	10–6	2.6,2.6		
AFAD	VIII	21 16 08 43.5	36.44N	27.12E	7–3	2.5L,2.6		

ISC Event type ke.

ATH Event type ke. Manual Solution by F.Gkika First location: 2021/08/21 16:10:33, This location: 2021/08/21 16:16:35 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**22 03 57 20.9–.94**	**36.40N–.02**	**27.02E–.03**	**12–7**		**55**	**0-2**
ATH	VIII	22 03 57 20.5	36.43N	27.00E	17–1	2.6L		**¶621369941**
THE	VIII	22 03 57 21.6	36N–4.0	27E–5.0	8–7	2.4,2.4		
ISK	VIII	22 03 57 22.8	36.35N	27.11E	19–0	2.3L,2.4		
AFAD	VIII	22 03 57 24.0	36.48N	27.12E	7–2	1.9L,2.4		

ISC Event type ke.

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/22 03:57:58, This location: 2021/08/22 04:53:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**21 17 03 19.8–1.2**	**36.39N–.03**	**27.11E–.03**	**8–9**		**44**	**0-3**
THE	VIII	21 17 03 19.3	36N–13	27E–8.0	0–26	2.8,2.8		**¶621369895**
AFAD	VIII	21 17 03 19.7	36.39N	27.11E	7–2	2.6L,2.8		
ISK	VIII	21 17 03 20.3	36.48N	27.16E	11–0	2.6L,2.8		

ISC Event type ke.

AFAD Event type se. Presumed earthquake.

ISK Event type ke.

ISC	**VIII**	**21 18 24 24.4–1.1**	**36.41N–.03**	**27.10E–.02**	**6–10**		**42**	**0-2**
ISK	VIII	21 18 24 23.9	36.36N	27.09E	11–0	2.5L		**¶621369897**
THE	VIII	21 18 24 24.6	36N–3.0	27E–2.0	0–9	2.4,2.4		
AFAD	VIII	21 18 24 25.2	36.45N	27.13E	8–1	2.0L,2.4		

ISC Event type ke.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**21 22 37 02.7–.86**	**36.54N–.03**	**25.52E–.03**	**12–7**		**79**	**0-2**
ISK	VIII	21 22 37 01.4	36.51N	25.47E	2–0	2.4L		**¶621369915**
THE	VIII	21 22 37 02.8	36.6N–.80	26E–1.0	7–2	2.6,2.6		
ATH	VIII	21 22 37 02.6	36.55N	25.52E	9–0	2.7L,2.6		

ISC Event type ke.

ISK Event type ke.

ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/21 22:38:16, This location: 2021/08/21 23:12:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**VIII**	**21 13 21 21.5–.53**	**36.37N–.02**	**27.09E–.02**	**11–3**	**4.2b,3.8s**	**433**	**0-126**
IDC	VIII	21 13 21 19.9–.50	36.40N	27.10E	0	4.1b,4.0		**¶620999304**
ISK	VIII	21 13 21 20.3	36.45N	27.02E	6–0	4.3L,4.0		
NEIC	VIII	21 13 21 21.6–2.3	36.34N–.05	27.09E–.04	10–1	4.3b,4.0		
MED_R	VIII	21 13 21 21.0	36.44N	27.08E	14	4.6W,4.0		
MCSM	VIII	21 13 21 21.8–.40	36N–4.0	27E–3.0	8–3	4.5b,4.3		
ATH	VIII	21 13 21 21.5	36.44N	27.08E	16–0	4.3L,4.3		
AFAD	VIII	21 13 21 22.7	36.42N	27.14E	5–3	4.2W,4.3		
THE	VIII	21 13 21 22.1	36N–2.0	27E–2.0	8–4	4.3,4.3		
GFZ	VIII	21 13 21 24.1–.21	36N–2.0	27E–2.0	10	4.2,4.1b		

ISC Event type ke.

ISK Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.34±.08 $M_{\theta\theta}$-0.45±.05; $M_{\phi\phi}$0.00±.06; $M_{r\theta}$0.34±.09; $M_{\theta\phi}$0.40±.06; $M_{\phi r}$-0.08±.08; NP1:ϕ_s337.00000°,δ65.00000°,λ-154.00000°. NP2:ϕ_s235.00000°,δ66.00000°,λ-28.00000°. Principal axes: T 0.9000,Plg1.0000°,Azm286.0000°; N -0.0900,Plg54.0000°,Azm18.0000°; P -0.8100,Plg36.0000°,Azm196.0000° $M_0$0.86000×10^{16}

ATH Event type ke. Manual Solution by F.Gkika First location: 2021/08/21 13:22:40, This location: 2021/08/21 13:47:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

AFAD Event type se. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**22 11 58 32.7–.91**	**36.41N–.02**	**27.10E–.02**	**9–6**	**3.8b**	**187**	**0-76**
ISK	VIII	22 11 58 30.9	36.46N	27.00E	4–0	3.6L		**¶621000819**
IDC	VIII	22 11 58 31.5–.70	36.44N	26.87E	0	3.8b,3.7		
THE	VIII	22 11 58 32.7	36N–2.0	27E–2.0	9–3	3.5,3.5		
ATH	VIII	22 11 58 32.9	36.44N	27.08E	12–1	3.7L,3.5		
AFAD	VIII	22 11 58 33.0	36.40N	27.14E	6–3	3.9W,3.5		
GII	VIII	22 11 58 37.4–.00	34.675N–.00	27.069E–.00	0	3.7,3.5		

ISC Event type ke.

ISK Event type ke.

ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/08/22 11:59:04, This location: 2021/08/22 12:18:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

AFAD Event type se. Presumed earthquake.

GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**VIII**	**22 11 32 06.4–.84**	**36.43N–.02**	**27.04E–.02**	**14–6**		**103**	**0-32**
ISK	VIII	22 11 32 05.5	36.47N	27.03E	4–0	3.2L		**¶621043081**
IDC	VIII	22 11 32 05.1–1.6	36.35N	27.02E	0	3.6b,3.5s		
ATH	VIII	22 11 32 06.0	36.46N	27.07E	16–4	3.4L,3.5s		
THE	VIII	22 11 32 06.6	36N–2.0	27E–2.0	8–4	3.3,3.3		
AFAD	VIII	22 11 32 06.6	36.42N	27.08E	8–5	2.8L,3.3		

ISC Event type ke.

ISK Event type ke.

IDC Error ellipse: s-maj=40.1km s-min=16.7km az=145.0.

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/22 11:33:43, This location: 2021/08/22 11:53:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 3 km.

AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**25 11 33 58.0–1.1**	**36.38N–.03**	**27.05E–.02**	**6–10**		**43**	**0-2**
AFAD	VIII	25 11 33 57.3	36.34N	27.06E	6–4	2.1L		**¶621370202**
THE	VIII	25 11 33 58.2	36N–2.0	27E–2.0	5–9	2.5,2.5		
ISK	VIII	25 11 33 59.6	36.30N	27.15E	11–0	2.5L,2.5		

ISC Event type ke.

AFAD Event type se. Presumed earthquake.

ISK Event type ke.

ISC	**VIII**	**22 11 35 09.0–.92**	**36.42N–.02**	**27.03E–.02**	**10–7**		**95**	**0-32**
ISK	VIII	22 11 35 08.9	36.47N	27.06E	13–0	3.1L		**¶621369980**
AFAD	VIII	22 11 35 08.6	36.43N	27.02E	6–3	2.6L		
ATH	VIII	22 11 35 08.6	36.43N	27.01E	12–3	3.3L		
IDC	VIII	22 11 35 09.3–1.2	36.37N	26.94E	0	3.5b,3.3		
THE	VIII	22 11 35 09.3	36N–1.0	27E–3.0	10–5	3.2,3.2		

ISC Event type ke.

ISK Event type ke.

AFAD Event type se. Presumed earthquake.

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/22 11:36:49, This location: 2021/08/22 11:55:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**VIII**	**22 18 11 16.6–1.3**	**36.43N–.03**	**27.12E–.04**	**6–11**		**32**	**0-2**
ISK	VIII	22 18 11 15.4	36.45N	27.09E	2–0	2.2L		**¶621370017**
AFAD	VIII	22 18 11 15.8	36.38N	27.11E	17–1	2.0L		
THE	VIII	22 18 11 16.8	36N–17	27E–24	0–22	2.6,2.6		

ISC Event type ke.

ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 22 23 48 18.8–.94 36.46N–.02 28.79E–.02 26–8 117 0-8
GII VIII 22 23 48 18.0–.00 36.349N–.00 28.862E–.00 0 3.7 **¶621370043**
ATH VIII 22 23 48 19.2 36.45N 28.85E 25–4 3.1L
ISK VIII 22 23 48 19.9 36.53N 28.80E 16–0 3.1L
AFAD VIII 22 23 48 19.7 36.57N 28.79E 27–0 3.0L
THE VIII 22 23 48 20.2 37N–3.0 29E–7.0 14–7 2.6
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/22 23:49:16, This location: 2021/08/23 03:19:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 2 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 22 21 12 08.3–1.1 36.42N–.02 27.08E–.02 10–9 82 0-3
AFAD VIII 22 21 12 06.2 36.41N 26.96E 12–1 2.1L **¶621370027**
ISK VIII 22 21 12 08.7 36.40N 27.10E 11–0 2.3L
ATH VIII 22 21 12 08.2 36.44N 27.09E 10–3 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/08/22 21:13:50, This location: 2021/08/23 05:08:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISC VIII 22 21 27 46.5–1.1 36.42N–.04 27.06E–.04 12–8 30 0-2
ISK VIII 22 21 27 45.4 36.41N 27.08E 2–0 2.2L **¶621370028**
THE VIII 22 21 27 46.5 36N–40 27E–48 13–30 2.8
AFAD VIII 22 21 27 47.4 36.42N 27.16E 7–2 2.0L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 28 12 38 48.9–1.0 36.49N–.03 28.71E–.02 11–9 47 0-3
ISK VIII 28 12 38 47.9 36.48N 28.72E 6–0 2.8L **¶621370336**
AFAD VIII 28 12 38 48.0 36.47N 28.72E 7–3 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 26 19 02 22.1–.79 36.47N–.02 27.11E–.02 11–5 3.2b 161 0-42
IDC VIII 26 19 02 21.5–.91 36.53N 27.07E 0 3.3b,3.3 **¶621059016**
ATH VIII 26 19 02 21.7 36.48N 27.06E 11–2 3.3L,3.3
ISK VIII 26 19 02 21.4 36.49N 27.08E 8–0 3.4L,3.3
THE VIII 26 19 02 22.3 36N–1.0 27E–2.0 9–3 3.1,3.1
AFAD VIII 26 19 02 24.7 36.56N 27.24E 6–2 3.3L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=11.1km az=171.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/08/26 19:03:43, This location: 2021/08/26 19:12:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK VIII 26 19 27 26.9 36.42N 27.19E 16–0 1.6L
¶621370256
ISK Event type ke.
AFAD VIII 26 19 28 16.2 37.88N 26.90E 7–4 1.0L
¶626714515
AFAD Event type se. Presumed earthquake.
ISC VIII 29 21 07 45.0–.47 37.02N–.03 25.18E–.03 170–4 3.8b 605 0-98
IDC VIII 29 21 07 45.3–.63 37.06N 25.24E 164–10 4.0,3.5b **¶621010104**
NEIC VIII 29 21 07 45.9–1.7 37.03N–.03 25.09E–.07 173–8 4.2b,3.5b
BEO VIII 29 21 07 46.9–.80 37.14N 24.91E 10 3.4L,3.5b
AFAD VIII 29 21 07 46.0 36.96N 25.01E 19–3 2.6L,3.5b
ATH VIII 29 21 07 46.4 37.06N 25.18E 170–3 3.7L,3.5b
ISK VIII 29 21 07 46.6 37.06N 25.14E 164–1 3.4L,3.5b
PDG VIII 29 21 07 47.7–.23 37.38N 24.77E 170–57 4.3L,3.5b
GFZ VIII 29 21 07 47.5–.28 37N–3.0 25E–3.0 155–4 4.0b,4.0
THE VIII 29 21 07 48.4 37N–1.0 25E–2.0 145–3 3.6,3.6
MCSM VIII 29 21 07 48.4–.50 37N–4.0 25E–3.0 185–7 4.4b,4.3
GII VIII 29 21 07 49.4–.00 36.558N–.00 25.774E–.00 0 4.3,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/29 21:08:59, This location: 2021/08/29 21:19:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
PDG Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD IX 01 09 41 34.4 36.99N 28.92E 7–1 1.2L
¶621817473
AFAD Event type se. Presumed earthquake.
ISK IX 03 02 57 15.5 36.32N 27.04E 25–0 1.9L
AFAD IX 03 02 57 20.4 36.67N 27.73E 7–7 1.3L **¶621817534**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 02 01 09 18.0–.83 36.30N–.03 26.65E–.04 120–6 211 1-42
GII IX 02 01 09 17.7–.00 35.901N–.00 26.732E–.00 0 3.6 **¶621080651**
IDC IX 02 01 09 19.5–2.7 36.05N 26.66E 137–36 3.4,3.2s
ISK IX 02 01 09 20.3 36.34N 26.54E 101–1 2.8L,3.2s
THE IX 02 01 09 21.6 36N–2.0 27E–2.0 93–7 3.1,3.1
ATH IX 02 01 09 21.0 36.34N 26.54E 96–1 3.2L,3.1
AFAD IX 02 01 09 24.0 36.46N 26.81E 98–7 2.6L,3.1
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=55.0km s-min=22.8km az=176.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/02 01:10:43, This location: 2021/09/02 01:28:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC IX 02 21 12 53.3–.73 36.39N–.02 27.06E–.02 12–5 4.2b,3.2s 368 0-126
IDC IX 02 21 12 51.6–.54 36.41N 26.99E 0 4.2b,4.1 **¶621023960**
NEIC IX 02 21 12 52.9–2.0 36.34N–.04 27.01E–.04 10–1 4.2b,4.1
ISK IX 02 21 12 52.5 36.44N 27.03E 9–0 4.1L,4.1
ATH IX 02 21 12 53.2 36.42N 27.11E 16–1 4.2L,4.1
MCSM IX 02 21 12 53.2–.30 36N–4.0 27E–4.0 10 4.3b,4.2b
AFAD IX 02 21 12 53.2 36.40N 27.08E 9–2 4.2W,4.2b
THE IX 02 21 12 53.5 36N–2.0 27E–2.0 8–4 4.1,4.1
GFZ IX 02 21 12 55.9–.19 36N–2.0 27E–2.0 10 4.1b,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/09/02 21:14:07, This location: 2021/09/02 21:37:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 02 21 15 04.1–1.1 36.40N–.02 27.06E–.02 6–9 70 0-2
ISK IX 02 21 15 02.9 36.42N 27.07E 5–0 3.5L **¶621800655**
THE IX 02 21 15 04.0 36N–1.0 27E–2.0 8–5 3.4,3.4
AFAD IX 02 21 15 05.5 36.45N 27.13E 3–4 3.3L,3.4
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 02 21 58 57.2–1.1 36.42N–.03 27.09E–.04 11–8 29 0-2
THE IX 02 21 58 55.9 36N–19 27E–18 19–15 2.7 **¶621800658**
ISK IX 02 21 58 57.9 36.35N 27.14E 17–0 2.5L
AFAD IX 02 21 59 00.8 36.50N 27.27E 5–3 2.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 02 17 33 34.5–.94 36.38N–.02 27.04E–.02 15–7 128 0-42
IDC IX 02 17 33 31.8–1.3 36.48N 27.06E 0 3.5b,3.3 **¶621080696**
ISK IX 02 17 33 34.4 36.39N 27.05E 10–0 3.4L,3.3
THE IX 02 17 33 34.9 36N–1.0 27E–1.0 9–2 3.2,3.2
AFAD IX 02 17 33 35.3 36.43N 27.08E 9–3 3.3L,3.2
ATH IX 02 17 33 41.8 36.18N 26.48E 16–4 3.2L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=16.0km az=173.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/09/02 17:35:01, This location: 2021/09/02 18:03:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISC IX 03 23 45 30.4–.78 36.50N–.02 27.17E–.02 14–5 72 0-33
IDC IX 03 23 45 28.3–1.4 36.49N 27.11E 0 3.3b,3.2L **¶621081596**
THE IX 03 23 45 30.9 37N–2.0 27E–2.0 11–4 2.7,2.7
ISK IX 03 23 45 30.0 36.48N 27.16E 9–0 2.8L,2.7
ATH IX 03 23 45 30.2 36.52N 27.20E 14–0 2.9L,2.7
AFAD IX 03 23 45 31.0 36.50N 27.20E 6–1 2.6L,2.7
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=16.4km az=174.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/09/03 23:47:13, This location: 2021/09/04 04:14:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC IX 03 00 21 00.5–.91 36.45N–.03 27.04E–.03 16–6 32 0-2
THE IX 03 00 21 00.7 36N–12 27E–14 8–17 2.8 **¶621800667**
ISK IX 03 00 21 01.0 36.35N 27.14E 22–0 2.2L
ATH IX 03 00 21 01.3 36.55N 27.00E 14–2 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/09/03 01:09:04, This location: 2021/09/03 07:30:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC IX 03 01 12 10.8–.86 36.40N–.02 27.06E–.02 12–6 3.7b 128 0-58
IDC IX 03 01 12 08.8–.80 36.36N 27.05E 0 3.8b,3.7 **¶621081540**
ISK IX 03 01 12 10.2 36.41N 27.05E 7–0 3.4L,3.7
ATH IX 03 01 12 10.2 36.39N 26.98E 9–2 3.9L,3.7
THE IX 03 01 12 10.9 36N–2.0 27E–4.0 8–5 3.6,3.6
AFAD IX 03 01 12 11.0 36.43N 27.11E 21–1 3.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=10.7km az=11.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/09/03 01:13:33, This location: 2021/09/03 10:45:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC IX 03 01 29 31.5–1.1 36.41N–.03 27.07E–.03 9–9 36 0-2
THE IX 03 01 29 31.5 36N–23 27E–44 14–21 2.8,2.8 **¶621800674**
ISK IX 03 01 29 32.3 36.34N 27.11E 8–0 2.4L,2.8
AFAD IX 03 01 29 33.3 36.47N 27.19E 7–2 2.2L,2.8
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 03 14 54 36.0–1.2 36.40N–.03 27.04E–.04 6–10 31 0-2
ISK IX 03 14 54 35.2 36.40N 27.05E 4–0 2.3L **¶621800702**
AFAD IX 03 14 54 36.1 36.42N 27.05E 7–4 2.1L
THE IX 03 14 54 36.1 36N–4.0 27E–4.0 6–11 2.8
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 05 21 27 51.9–.81 35.96N–.02 27.55E–.02 15–5 4.4b,3.5s 684 1-92
NAO IX 05 21 27 22.7 33.97N 32.26E 10 4.5b,3.5s **¶621035634**
MOS IX 05 21 27 49.7–1.3 35.86N 27.58E 13 4.5b,3.5s
ISK IX 05 21 27 50.9 36.04N 27.50E 8–0 4.2L,3.5s
MCSM IX 05 21 27 50.9–.40 36N–4.0 27E–4.0 10 4.4b,4.2
ATH IX 05 21 27 51.9 35.99N 27.55E 13–2 4.3L,4.2
NEIC IX 05 21 27 51.4–1.7 35.97N–.05 27.49E–.05 10–1 4.6b,4.2
GFZ IX 05 21 27 52.0–.16 36N–2.0 28E–2.0 10 4.4,4.2b
THE IX 05 21 27 52.4 36N–2.0 28E–2.0 10–2 4.2,4.2
GFZ IX 05 21 27 52.0 35.95N 27.56E 10 4.3W,4.2
IDC IX 05 21 27 52.4–2.2 36.02N 27.46E 17–13 4.2b,4.2
AFAD IX 05 21 27 53.5 36.06N 27.64E 8–4 4.1W,4.2
GII IX 05 21 27 55.2–.00 35.59N 27.74E 0 4.1,4.2
BGR IX 05 21 28 29.7 37.61N 23.60E 33 3.0s,4.2
ISC Event type ke.
NAO Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=5.6km s-min=3.1km az=95.6.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/05 21:29:20, This location: 2021/09/05 21:53:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.9km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=4.6km s-min=3.2km az=27.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.86 $M_{\theta\theta}$0.28 $M_{\phi\phi}$2.58 $M_{r\theta}$0.89 $M_{\theta\phi}$-1.02 $M_{\phi r}$0.60 NP1: ϕ_s177.04166°,δ50.37018°,λ-65.65124°. NP2:ϕ_s321.68563°,δ45.43838°,λ-116.46619°. Principal axes: T 2.9749,Plg2.5878°,Azm250.0741°; N 0.2439,Plg18.5141°,Azm340.9413° ; P -3.2188,Plg71.2928°,Azm152.4040° $M_0$3.10406×10^{15}
IDC Error ellipse: s-maj=11.1km s-min=8.9km az=2.0.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
BGR Event type ke.
ISC IX 06 07 53 20.2–.99 35.95N–.02 27.63E–.02 14–8 88 0-9
GII IX 06 07 53 19.0–.00 35.737N–.00 27.591E–.00 0–0 3.6 **¶621800753**
ISK IX 06 07 53 19.9 36.00N 27.51E 8–0 3.4L
AFAD IX 06 07 53 19.5 35.96N 27.54E 18–2 3.8W
THE IX 06 07 53 20.9 36N–2.0 28E–2.0 10–2 3.2,3.2
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 06 21 37 07.1–1.1 36.41N–.03 27.05E–.03 6–10 41 0-2
ISK IX 06 21 37 05.9 36.36N 27.07E 5–0 2.0L **¶621800764**
THE IX 06 21 37 07.3 36.4N–.90 27E–1.0 5–2 2.6,2.6
AFAD IX 06 21 37 10.4 36.46N 27.28E 7–2 1.6L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 06 15 04 39.7–.65 36.40N–.02 27.10E–.02 13–4 4.4b 412 0-148
MOS IX 06 15 04 37.8–1.3 36.36N 27.12E 11 4.6b **¶621039294**
IDC IX 06 15 04 37.1–.45 36.40N 27.02E 0 4.2b,4.1
ISK IX 06 15 04 38.0 36.44N 27.02E 5–0 4.1L,4.1
THE IX 06 15 04 39.7 36N–1.0 27E–1.0 10–2 4.0,4.0
NEIC IX 06 15 04 39.1–1.7 36.30N–.04 27.15E–.04 10–1 4.6b,4.0

ATH IX 06 15 04 39.7 36.44N 27.06E 16–1 4.2L,4.0
AFAD IX 06 15 04 39.6 36.39N 27.11E 7–3 4.1W,4.0
GFZ IX 06 15 04 42.2–.16 36N–2.0 27E–2.0 10 4.4,4.2b
ISC Event type ke.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/06 15:05:55, This location: 2021/09/06 16:27:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 07 23 24 17.6–.82 36.50N–.02 27.18E–.02 13–5 81 0-2
ISK IX 07 23 24 16.8 36.49N 27.13E 6–0 3.3L **¶621800802**
THE IX 07 23 24 17.8 36N–1.0 27E–1.0 9–2 3.5,3.5
AFAD IX 07 23 24 17.9 36.49N 27.18E 6–3 3.7W,3.5
ATH IX 07 23 24 17.7 36.47N 27.16E 9–1 3.5L,3.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/07 23:42:16, This location: 2021/09/07 23:41:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC IX 07 23 25 07.5–3.3 36.52N–.08 27.2E–.20 12–11 15 0-1
ISK IX 07 23 25 06.1 36.51N 27.11E 18–0 2.5L **¶621817783**
AFAD IX 07 23 25 15.6 36.71N 27.44E 7–1 1.8L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK IX 07 23 50 02.2 36.50N 27.14E 8–0 2.0L
THE IX 07 23 50 02.9 36N–1.0 27E–1.0 10–3 2.3,2.3 **¶621800807**
AFAD IX 07 23 50 10.0 37.15N 27.83E 7–8 1.5L,2.3
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 07 21 55 22.6–.76 36.47N–.02 27.23E–.02 14–5 4.0b,3.2s 357 0-126
IDC IX 07 21 55 21.2–.59 36.47N 27.16E 0 3.9b,3.8 **¶621041909**
ISK IX 07 21 55 21.6 36.51N 27.10E 7–0 4.1L,3.8
ATH IX 07 21 55 22.3 36.51N 27.19E 14–1 3.9L,3.8
THE IX 07 21 55 22.7 36N–1.0 27E–1.0 8–1 3.9,3.9
NEIC IX 07 21 55 23.3–2.1 36.42N–.03 27.20E–.03 9–5 4.2b,3.9
AFAD IX 07 21 55 24.0 36.52N 27.24E 10–2 3.8L,3.9
GII IX 07 21 55 30.3–.00 36.330N–.00 28.079E–.00 0 4.2,3.9
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/07 21:56:40, This location: 2021/09/07 22:00:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK IX 08 09 52 58.4 36.44N 27.21E 9–0 1.8L
AFAD IX 08 09 52 59.1 36.52N 27.21E 7–6 1.6L **¶626682227**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 07 21 57 00.2–3.1 36.50N–.09 27.2E–.10 11–14 14 0-1
AFAD IX 07 21 56 45.5 36.50N 26.36E 23–3 2.5L **¶621817774**
ISK IX 07 21 57 00.4 36.56N 27.30E 5–0 1.9L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC IX 08 01 40 02.2–.81 36.44N–.02 27.19E–.02 13–5 4.4b 765 0-126
BGR IX 08 01 39 59.2 35.42N 27.30E 33 4.2b,3.3s **¶621041917**
MOS IX 08 01 40 01.2–1.4 36.41N 27.26E 11 4.6b,3.3s
ISK IX 08 01 40 01.5 36.50N 27.12E 8–0 4.5L,3.3s
MED_R IX 08 01 40 02.0 36.49N 27.13E 12 4.5W,3.3s
NEIC IX 08 01 40 02.2 36.48N 27.17E 11 4.5W,3.3s
MCSM IX 08 01 40 02.1–1.1 36N–3.0 27E–4.0 15–9 4.6b,4.6b
NEIC IX 08 01 40 02.1–1.6 36.48N–.04 27.17E–.06 10–3 4.6b,4.5
ATH IX 08 01 40 02.0 36.51N 27.21E 14–1 4.5L,4.5
AFAD IX 08 01 40 03.7 36.50N 27.21E 6–0 4.5W,4.5
GFZ IX 08 01 40 04.2–.14 36N–2.0 27E–2.0 10 5.3,4.3b
THE IX 08 01 40 04.1 36N–3.0 27E–4.0 33–14 5.3,5.0
GII IX 08 01 40 04.5–.00 35.97N 27.21E 0 4.5,5.0
IDC IX 08 01 40 05.4–1.7 36.42N 27.21E 33–14 4.2,4.1b
PDG IX 08 01 40 11.2 36.49N 27.13E 10 4.5b,4.1b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.8km s-min=3.0km az=107.0.
ISK Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.66±.07 $M_{\theta\theta}$-0.08±.04; $M_{\phi\phi}$0.00±.04; $M_{r\theta}$0.19±.10; $M_{\theta\phi}$0.31±.03; $M_{\phi r}$0.04±.07; NP1: ϕ_s2.00000°,δ44.00000°,λ-115.00000°. NP2:ϕ_s215.00000°,δ51.00000°,λ-68.00000°. Principal axes: T 0.8400,Plg4.0000°,Azm289.0000°; N -0.1300,Plg17.0000°,Azm21.0000° ; P -0.7100,Plg73.0000°,Azm187.0000° $M_0$0.78000×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.5km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-4.29 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$4.57 $M_{r\theta}$3.18 $M_{\theta\phi}$2.38 $M_{\phi r}$0.24 NP1:ϕ_s229.68000°,δ60.32000°,λ-55.84000°. NP2:ϕ_s355.80000°,δ44.03000° ,λ-134.58000°. Principal axes: T 5.7672,Plg9.0000°,Azm296.0000°; N 0.3642,Plg29.0000° ,Azm31.0000°; P -6.1313,Plg59.0000°,Azm190.0000° $M_0$5.96000×10^{15}
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/08 01:41:18, This location: 2021/09/08 01:44:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=9.2km s-min=7.3km az=5.0.
PDG Event type ke.
ISC IX 09 08 15 00.3–1.0 36.44N–.02 28.78E–.02 11–7 105 0-41
AFAD IX 09 08 14 57.5 36.35N 28.66E 4–5 3.0L **¶621105863**
ISK IX 09 08 14 59.0 36.45N 28.74E 5–0 3.2L
IDC IX 09 08 14 59.8–1.0 36.47N 28.80E 0 3.8b,3.6
ATH IX 09 08 15 00.0 36.47N 28.83E 12–1 3.2L,3.6
THE IX 09 08 15 00.6 36N–2.0 29E–3.0 0–3 3.2,3.2
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/09 08:15:51, This location: 2021/09/09 10:05:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC IX 08 14 36 21.9–.95 37.90N–.02 26.94E–.03 13–9 55 0-2
ISK IX 08 14 36 21.5 37.91N 26.96E 13–0 2.7L **¶621817839**
AFAD IX 08 14 36 21.9 37.89N 26.93E 8–2 2.6L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 10 21 52 19.0–.86 36.45N–.02 27.18E–.02 13–6 63 0-3
ATH IX 10 21 52 19.8 36.50N 27.18E 16–1 2.8L **¶621800871**
ISK IX 10 21 52 19.2 36.44N 27.17E 7–0 2.6L
THE IX 10 21 52 21.2 36N–2.0 27E–2.0 33–10 2.8,2.8
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/10 21:54:29, This location: 2021/09/11 07:26:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC IX 09 16 08 19.2–.94 36.47N–.02 27.16E–.02 7–7 58 0-2
ISK IX 09 16 08 19.4 36.42N 27.22E 12–0 2.2L **¶621800841**
THE IX 09 16 08 19.2 36N–2.0 27E–2.0 5–6 2.3,2.3
ATH IX 09 16 08 19.0 36.47N 27.15E 8–1 2.5L,2.3
AFAD IX 09 16 08 19.6 36.52N 27.15E 6–2 2.0L,2.3
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/09/09 16:08:54, This location: 2021/09/09 18:49:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC IX 11 15 52 50.3–.86 37.82N–.02 26.77E–.03 10–6 51 0-2
ISK IX 11 15 52 49.6 37.81N 26.78E 5–0 2.6L **¶621800902**
THE IX 11 15 52 50.1 38N–2.0 27E–2.0 10–1 2.9
AFAD IX 11 15 52 50.1 37.85N 26.80E 7–3 2.8L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 11 13 31 02.3–.82 36.33N–.02 27.09E–.02 16–5 4.3b,3.3s 504 0-126
IDC IX 11 13 31 00.2–.52 36.30N 27.14E 0 4.2b,4.1 **¶621069792**
MED_R IX 11 13 31 01.0 36.35N 27.06E 11 4.4W,4.1
NEIC IX 11 13 31 01.4–1.9 36.33N–.05 27.01E–.03 10–1 4.3b,4.1
ISK IX 11 13 31 01.4 36.38N 26.99E 8–0 4.3L,4.1
MCSM IX 11 13 31 01.9–.30 36N–4.0 27E–3.0 10 4.3b,4.2b
NAO IX 11 13 31 02.8 36.20N 27.14E 10 4.3b,4.2b
THE IX 11 13 31 02.4 36N–2.0 27E–2.0 12–3 4.1,4.1
ATH IX 11 13 31 02.0 36.34N 27.04E 16–1 4.2L,4.1
AFAD IX 11 13 31 03.8 36.36N 27.16E 8–0 4.4W,4.1
GFZ IX 11 13 31 03.8–.21 36N–2.0 27E–2.0 10 5.3,5.1
GII IX 11 13 31 04.9–.00 36.041N–.00 27.275E–.00 0 4.4,5.1
ISC Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-4.67±.50 $M_{\theta\theta}$0.13±.26; $M_{\phi\phi}$0.00±.34; $M_{r\theta}$-0.19±.84; $M_{\theta\phi}$0.17±.17; $M_{\phi r}$1.66±.68; NP1: ϕ_s5.00000°,δ35.00000°,λ-85.00000°. NP2:ϕ_s179.00000°,δ55.00000°,λ-93.00000°. Principal axes: T 4.8300,Plg10.0000°,Azm272.0000°; N 0.1400,Plg3.0000°,Azm181.0000° ; P -4.9700,Plg80.0000°,Azm76.0000° $M_0$4.90000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
NAO Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/11 13:32:15, This location: 2021/09/11 13:37:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC IX 11 10 07 37.4–.94 36.34N–.02 27.07E–.02 18–4 3.5b 173 0-42
IDC IX 11 10 07 35.2–1.5 36.50N 27.00E 0 3.6b,3.5 **¶621108577**
GII IX 11 10 07 36.9–.00 36.400N–.00 27.240E–.00 0 4.0,3.5
ISK IX 11 10 07 37.1 36.38N 27.00E 9–0 3.4L,3.5
THE IX 11 10 07 37.8 36N–2.0 27E–2.0 10–5 3.4,3.4
AFAD IX 11 10 07 37.7 36.36N 27.08E 9–1 3.8W,3.4
ATH IX 11 10 07 38.0 36.36N 27.03E 18–1 3.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=14.7km az=27.0.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/11 10:09:08, This location: 2021/11/25 11:35:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC IX 12 21 40 35.0–.79 37.82N–.02 26.99E–.02 15–5 125 0-9
THE IX 12 21 40 35.0 38N–1.0 27E–2.0 6–2 3.3,3.3 **¶621800932**
ISK IX 12 21 40 34.3 37.80N 26.98E 14–0 3.5L,3.3
AFAD IX 12 21 40 35.1 37.82N 27.00E 7–2 3.5W,3.3
ATH IX 12 21 40 35.0 37.79N 26.98E 15–1 3.3L,3.3
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/12 21:41:59, This location: 2021/09/12 21:54:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC IX 15 17 24 07.3–1.1 36.48N–.02 27.17E–.02 3–10 52 0-2
ISK IX 15 17 24 06.7 36.44N 27.19E 2–0 2.4L **¶621801000**
THE IX 15 17 24 07.4 36N–6.0 27E–5.0 2–30 2.6,2.6
AFAD IX 15 17 24 08.0 36.53N 27.18E 5–2 2.4L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK IX 14 20 31 06.0 36.45N 27.22E 5–0 1.8L
¶621818396
ISK Event type ke.
ISC IX 14 23 31 36.4–.90 36.38N–.02 27.05E–.02 13–7 119 0-4
ATH IX 14 23 31 36.3 36.40N 27.09E 17–1 3.1L **¶621800984**
AFAD IX 14 23 31 36.0 36.37N 27.05E 13–1 3.6W
ISK IX 14 23 31 36.2 36.37N 27.06E 9–0 3.2L
THE IX 14 23 31 36.5 36N–1.0 27E–2.0 8–5 3.0,3.0
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/14 23:33:08, This location: 2021/09/14 23:48:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC IX 12 22 06 29.4–.85 36.39N–.02 27.06E–.02 13–6 3.2b 143 0-43
IDC IX 12 22 06 27.2–.87 36.35N 27.04E 0 3.6b,3.4 **¶621109681**
ISK IX 12 22 06 28.2 36.42N 27.03E 9–0 3.5L,3.4
THE IX 12 22 06 29.7 36N–1.0 27E–1.0 7–2 3.4,3.4
AFAD IX 12 22 06 29.1 36.39N 27.04E 7–1 3.6W,3.4
ATH IX 12 22 06 29.3 36.41N 27.12E 18–1 3.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=11.2km az=1.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/12 22:07:52, This location: 2021/09/13 00:52:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 2 km.
ISC IX 14 10 35 07.3–.92 36.49N–.02 27.17E–.02 6–7 53 0-2
AFAD IX 14 10 35 06.1 36.45N 27.17E 7–1 2.2L **¶621800965**
ATH IX 14 10 35 07.0 36.49N 27.15E 8–1 2.4L
ISK IX 14 10 35 07.5 36.45N 27.18E 4–0 2.2L
THE IX 14 10 35 08.6 37N–46 27E–49 7–44 2.5
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/09/14 10:35:42, This location: 2021/09/14 10:42:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC IX 15 10 44 27.1–1.1 36.45N–.02 27.15E–.02 2–10 59 0-3
ISK IX 15 10 44 26.2 36.43N 27.16E 3–0 2.8L **¶621800993**
THE IX 15 10 44 27.5 36N–1.0 27E–2.0 0–6 3.0,3.0
AFAD IX 15 10 44 27.5 36.50N 27.18E 4–4 2.5L,3.0
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 23 22 36 59.6–.88 36.48N–.02 27.17E–.02 11–6 104 0-3
THE IX 23 22 36 59.6 36N–1.0 27E–2.0 9–5 3.2,3.2 **¶621801163**
ATH IX 23 22 36 59.2 36.49N 27.20E 14–1 3.4L,3.2

ISK IX 23 22 36 59.6 36.48N 27.18E 5–0 3.5L,3.2
AFAD IX 23 22 37 02.0 36.57N 27.28E 5–1 3.5L,3.2
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/23 22:38:36, This location: 2021/09/23 22:57:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 15 23 40 51.8–.96 36.46N–.02 27.17E–.03 6–8 54 0-3
ATH IX 15 23 40 51.6 36.46N 27.18E 8–2 2.5L **¶621801003**
THE IX 15 23 40 51.9 36N–3.0 27E–3.0 3–12 2.5,2.5
ISK IX 15 23 40 52.8 36.43N 27.16E 5–0 2.3L,2.5
ISC Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/09/15 23:54:04, This location: 2021/09/15 23:53:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC IX 23 03 36 23.1–1.0 37.62N–.02 26.72E–.02 16–8 88 0-2
ISK IX 23 03 36 22.9 37.55N 26.72E 13–0 2.4L **¶621801114**
THE IX 23 03 36 23.7 38N–11 27E–8.0 0–6 2.6,2.6
AFAD IX 23 03 36 24.1 37.60N 26.72E 13–0 2.5L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 23 11 41 34.6–.90 37.82N–.02 26.93E–.02 10–7 49 0-2
THE IX 23 11 41 34.3 38N–21 27E–19 17–12 2.7 **¶621801142**
ISK IX 23 11 41 34.5 37.83N 26.94E 7–0 2.2L
AFAD IX 23 11 41 34.3 37.82N 26.92E 7–1 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
THE IX 15 22 12 42.7 36N–1.0 27E–1.0 3–3 2.4,2.4
ATH IX 15 22 12 42.0 36.49N 27.20E 13–1 2.6L,2.4 **¶621801002**
ISK IX 15 22 12 42.1 36.44N 27.19E 5–0 2.2L,2.4
AFAD IX 15 22 12 42.7 36.53N 27.19E 4–2 2.2L,2.4
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/09/15 22:13:16, This location: 2021/09/15 22:26:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 20 07 14 03.7–.92 36.39N–.02 27.13E–.02 11–7 70 0-2
THE IX 20 07 14 04.0 36N–7.0 27E–6.0 6–13 2.6,2.6 **¶621801059**
AFAD IX 20 07 14 03.0 36.34N 27.14E 8–3 2.2L,2.6
ATH IX 20 07 14 03.6 36.42N 27.23E 16–1 2.6L,2.6
ISK IX 20 07 14 05.3 36.36N 27.12E 16–0 2.4L,2.6
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/20 07:15:52, This location: 2021/09/20 07:42:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC IX 24 09 54 57.8–1.1 36.43N–.03 27.17E–.03 4–10 42 0-2
AFAD IX 24 09 54 56.5 36.38N 27.18E 5–2 2.6L **¶621801193**
THE IX 24 09 54 57.6 36N–5.0 27E–8.0 0–10 2.8,2.8
ISK IX 24 09 54 57.6 36.44N 27.13E 8–0 2.6L,2.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC IX 23 23 58 48.8–1.2 36.48N–.02 27.22E–.03 1–13 47 0-2
ISK IX 23 23 58 48.8 36.45N 27.19E 4–0 2.3L **¶621801166**
THE IX 23 23 58 49.1 36N–2.0 27E–3.0 3–7 2.5,2.5
AFAD IX 23 23 58 50.4 36.56N 27.29E 2–2 2.1L,2.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 24 10 12 21.2–.91 36.42N–.02 27.17E–.02 8–6 3.6b 168 0-42
IDC IX 24 10 12 20.4–.91 36.59N 27.11E 0 3.7b,3.7 **¶621126428**
ISK IX 24 10 12 21.2 36.49N 27.13E 3–0 3.8L,3.7
AFAD IX 24 10 12 21.0 36.45N 27.14E 7–3 3.4L,3.7
THE IX 24 10 12 22.1 36N–3.0 27E–4.0 8–5 3.6,3.6
ATH IX 24 10 12 22.2 36.50N 27.21E 8–1 3.7L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=11.7km az=24.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/09/24 10:13:44, This location: 2021/09/24 10:25:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC IX 24 10 15 57.0–1.1 36.44N–.02 27.13E–.03 5–9 43 0-2
AFAD IX 24 10 15 55.5 36.43N 27.10E 7–4 2.1L **¶621801195**
THE IX 24 10 15 57.6 36N–14 27E–13 2–16 2.6,2.6
ISK IX 24 10 15 58.1 36.44N 27.21E 12–0 2.2L,2.6
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC IX 24 10 17 40.5–.79 36.47N–.02 27.16E–.02 11–5 148 0-43
ISK IX 24 10 17 39.6 36.48N 27.12E 1–0 3.7L **¶621126429**
IDC IX 24 10 17 39.2–1.2 36.53N 27.09E 0 3.7b,3.6
AFAD IX 24 10 17 40.0 36.45N 27.15E 8–2 3.3L,3.6
ATH IX 24 10 17 40.3 36.50N 27.15E 15–1 3.6L,3.6
THE IX 24 10 17 41.0 36N–1.0 27E–1.0 9–2 3.5,3.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/09/24 10:19:10, This location: 2021/09/24 10:30:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
THE IX 24 12 02 03.5 36N–2.0 27E–3.0 3–6 2.5,2.5
AFAD IX 24 12 01 58.9 36.29N 26.99E 10–2 2.5L,2.5 **¶621801200**
ISK IX 24 12 02 03.2 36.44N 27.18E 1–0 2.5L,2.5
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC IX 24 14 19 31.2–.82 36.47N–.02 27.21E–.01 10–5 3.8b 166 0-43
GII IX 24 14 19 28.3–.00 36.502N–.00 27.302E–.00 0–0 4.1 **¶621126443**
IDC IX 24 14 19 30.0–1.0 36.48N 27.14E 0 3.9b,3.7
AFAD IX 24 14 19 30.7 36.45N 27.14E 10–4 3.4L,3.7
ATH IX 24 14 19 31.4 36.51N 27.27E 11–1 3.8L,3.7
ISK IX 24 14 19 31.6 36.46N 27.22E 9–0 3.7L,3.7
THE IX 24 14 19 31.9 36N–1.0 27E–1.0 0–2 3.7,3.7
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/24 14:20:55, This location: 2021/09/24 14:26:35 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC IX 24 21 23 09.3–.78 36.47N–.02 27.16E–.02 14–5 90 0-33
IDC IX 24 21 23 08.1–1.4 36.54N 27.07E 0 3.5b,3.3 **¶621126466**
ATH IX 24 21 23 09.0 36.46N 27.15E 13–1 3.3L,3.3
ISK IX 24 21 23 09.0 36.47N 27.13E 11–0 3.1L,3.3
THE IX 24 21 23 09.8 36N–2.0 27E–2.0 8–7 3.3,3.3
AFAD IX 24 21 23 10.5 36.49N 27.20E 8–1 3.0L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=15.5km az=16.0.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/24 21:24:35, This location: 2021/09/25 01:25:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 26 04 40 08.7–.81 36.46N–.02 27.18E–.02 9–5 4.3b,3.7s 319 0-92
IDC IX 26 04 40 07.5–.70 36.45N 27.05E 0 4.0b,3.9 **¶621110203**
ISK IX 26 04 40 08.7 36.47N 27.20E 6–0 3.8L,3.9
ATH IX 26 04 40 08.6 36.49N 27.20E 12–1 4.0L,3.9
THE IX 26 04 40 08.5 36N–1.0 27E–1.0 9–2 4.0,4.0
AFAD IX 26 04 40 09.8 36.52N 27.24E 12–2 4.0W,4.0
MCSM IX 26 04 40 09.6–1.1 36N–5.0 27E–5.0 10–10 4.0b,3.9
NEIC IX 26 04 40 09.3–1.9 36.44N–.04 27.14E–.04 10–2 4.0b,3.9
GFZ IX 26 04 40 10.7–.25 36N–3.0 27E–3.0 10 4.5b,4.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/09/26 04:40:38, This location: 2021/09/26 05:04:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 24 18 50 31.1–1.1 36.08N–.02 25.01E–.04 33–3 74 0-1
THE IX 24 18 50 31.7 36N–3.0 25E–3.0 30–7 3.5,3.5 **¶621801215**
ATH IX 24 18 50 31.0 36.08N 24.97E 25–2 3.5L,3.5
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/24 18:50:50, This location: 2021/09/24 18:55:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC IX 26 05 09 39.9–.82 36.48N–.02 27.18E–.02 10–5 3.3b 118 0-42
IDC IX 26 05 09 39.1–1.0 36.46N 27.03E 0 3.6b,3.5 **¶621131488**
THE IX 26 05 09 39.6 36N–1.0 27E–2.0 9–6 3.5,3.5
ISK IX 26 05 09 39.4 36.48N 27.20E 5–0 3.5L,3.5
ATH IX 26 05 09 40.7 36.49N 27.12E 5–1 3.4L,3.5
AFAD IX 26 05 09 40.0 36.51N 27.20E 11–1 3.6W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=13.2km az=24.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/26 05:11:07, This location: 2021/09/26 18:13:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC IX 26 21 45 19.7–.67 36.49N–.02 25.52E–.02 15–4 3.6b 207 0-66
IDC IX 26 21 45 16.8–.89 36.27N 25.60E 0 3.7b,3.6 **¶621131540**
AFAD IX 26 21 45 17.0 36.41N 24.81E 37–999 3.4L,3.6
ATH IX 26 21 45 19.5 36.49N 25.52E 14–0 3.7L,3.6
ISK IX 26 21 45 19.6 36.54N 25.40E 18–0 3.3L,3.6
THE IX 26 21 45 20.1 36.5N–.70 26E–1.0 10–0 3.7,3.7
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/26 21:46:27, This location: 2021/09/26 22:40:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC IX 26 09 34 21.2–.83 36.49N–.02 27.18E–.02 12–5 101 0-2
ISK IX 26 09 34 20.6 36.49N 27.17E 10–0 3.6L **¶621801240**
ATH IX 26 09 34 21.1 36.47N 27.19E 9–1 3.3L
THE IX 26 09 34 21.2 36N–1.0 27E–2.0 11–6 3.3,3.3
AFAD IX 26 09 34 22.1 36.54N 27.21E 7–2 3.6W,3.3
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/26 09:35:46, This location: 2021/09/26 12:40:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
AFAD IX 26 06 21 16.2 36.48N 27.16E 13–1 1.5L
¶621819101
AFAD Event type se. Presumed earthquake.
ISC IX 27 09 22 29.3–.00 37.88N–.03 26.85E–.03 10–8 53 0-2
ISK IX 27 09 22 28.8 37.88N 26.82E 7–0 2.4L **¶621819202**
AFAD IX 27 09 22 29.0 37.88N 26.84E 7–4 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK IX 26 23 50 09.9 36.59N 27.43E 22–0 1.3L
¶621801257
ISK Event type ke.
THE IX 26 23 50 42.8 37N–1.0 25.5E–.90 4–2 1.7,1.7
¶635706679
ISK IX 27 01 55 17.1 36.46N 27.23E 5–0 1.3L
AFAD IX 27 01 55 19.0 36.52N 27.23E 3–3 1.5L **¶635706676**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
THE IX 27 01 55 32.0 36.5N–1.0 26E–1.0 7–2 1.5,1.5
¶621801262
ISK IX 26 23 39 35.5 36.36N 27.00E 11–0 1.4L
¶635706657
ISK Event type ke.
ISC IX 27 22 32 56.1–.80 36.47N–.02 27.14E–.02 12–5 3.6b 107 0-86
IDC IX 27 22 32 54.5–1.0 36.55N 27.05E 0 3.7b,3.7 **¶621140746**
ISK IX 27 22 32 55.7 36.47N 27.16E 9–0 3.6L,3.7
THE IX 27 22 32 56.3 36N–2.0 27E–1.0 10–4 3.7,3.7
AFAD IX 27 22 32 56.7 36.49N 27.18E 7–3 3.7W,3.7
ATH IX 27 22 32 56.4 36.48N 27.12E 12–2 3.6L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=14.5km az=177.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/27 22:34:31, This location: 2021/09/28 05:42:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC IX 27 15 04 00.7–.73 36.51N–.02 27.18E–.02 13–4 3.7b,3.3s 178 0-117
IDC IX 27 15 03 58.4–.81 36.59N 27.26E 0 3.8b,3.7 **¶621140722**
ISK IX 27 15 04 00.5 36.50N 27.14E 5–0 3.6L,3.7
THE IX 27 15 04 00.6 36N–1.0 27E–2.0 0–3 3.8,3.8
ATH IX 27 15 04 00.5 36.56N 27.21E 14–1 3.8L,3.8
AFAD IX 27 15 04 01.4 36.53N 27.16E 7–2 3.3L,3.8
NEIC IX 27 15 04 01.2–1.1 36.35N–.05 27.27E–.04 10–1 4.1b,3.8
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/27 15:05:37, This location: 2021/09/27 15:48:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 27 23 11 53.0–.79 36.46N–.02 27.15E–.02 12–5 3.3b 120 0-76
ISK IX 27 23 11 51.9 36.43N 27.12E 11–0 3.7L **¶621140749**
ATH IX 27 23 11 52.7 36.48N 27.15E 14–1 3.7L
IDC IX 27 23 11 52.1–.83 36.47N 27.07E 0 3.5,3.4b
THE IX 27 23 11 53.3 36N–1.0 27E–1.0 10–2 3.8,3.8
AFAD IX 27 23 11 53.5 36.47N 27.17E 7–1 3.7W,3.8
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/27 23:13:20, This location: 2021/09/27 23:18:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=14.6km s-min=10.8km az=177.0.
AFAD Event type se. Presumed earthquake.
AFAD IX 28 20 38 07.0 36.45N 27.14E 7–1 1.6L
ISK IX 28 20 38 07.7 36.36N 27.23E 6–0 1.6L **¶635706649**
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
AFAD IX 28 02 11 16.8 36.58N 27.16E 7–2 1.3L
¶635706666

AFAD Event type se. Presumed earthquake.
ISC IX 28 22 14 23.2–.98 36.48N–.03 27.17E–.04 12–7 29 0-2
THE IX 28 22 14 23.1 36N–3.0 27E–3.0 12–6 2.5,2.5 **¶621801493**
ISK IX 28 22 14 23.1 36.46N 27.21E 10–0 2.6L,2.5
ISC Event type ke.
ISK Event type ke.
AFAD IX 28 05 33 12.3 36.53N 27.21E 6–3 1.6L
ISK IX 28 05 33 14.7 37.45N 27.67E 18–0 1.7L **¶621819297**
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC IX 28 06 01 05.3–.60 36.33N–.03 28.47E–.02 58–6 4.0b 408 0-79
IDC IX 28 06 00 59.0–.72 36.50N 28.22E 0 4.1L,4.0 **¶621111212**
ISK IX 28 06 01 05.4 36.43N 28.41E 58–0 3.9L,4.0
BEO IX 28 06 01 05.9–.70 36.52N 29.21E 50 3.9L,4.0
NEIC IX 28 06 01 05.9–1.3 36.43N–.06 28.43E–.05 60–9 4.2b,4.0
AFAD IX 28 06 01 06.0 36.32N 28.40E 40–9 3.9W,4.0
GFZ IX 28 06 01 06.8–.56 36N–3.0 29E–3.0 28–6 4.8b,4.3b
ATH IX 28 06 01 06.1 36.45N 28.41E 53–1 3.9L,4.3b
MCSM IX 28 06 01 06.0–.40 36N–3.0 28E–4.0 60–6 4.1b,4.0
NIC IX 28 06 01 07.2 36.16N 28.59E 32–31 4.1L,4.0
THE IX 28 06 01 07.0 36N–2.0 28E–2.0 45–5 3.8,3.8
GII IX 28 06 01 09.5–.00 36.01N 28.66E 0 4.1,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=13.3km s-min=11.1km az=29.0.
ISK Event type ke.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.7km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/28 06:02:38, This location: 2021/09/28 06:11:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC IX 27 23 55 20.8–1.0 36.48N–.03 27.13E–.04 10–7 38 0-2
ISK IX 27 23 55 20.4 36.47N 27.14E 12–0 3.0L **¶621801393**
THE IX 27 23 55 20.9 36N–3.0 27E–3.0 9–6 3.0,3.0
AFAD IX 27 23 55 20.8 36.48N 27.13E 7–2 2.9L,3.0
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 28 00 32 11.1–.85 36.46N–.02 27.14E–.02 10–6 79 0-33
ISK IX 28 00 32 09.9 36.48N 27.13E 2–0 3.3L **¶621140786**
IDC IX 28 00 32 10.1–1.4 36.46N 27.09E 0 3.2L,3.2
AFAD IX 28 00 32 10.7 36.47N 27.11E 7–2 3.0L,3.2
THE IX 28 00 32 11.4 36N–1.0 27E–1.0 4–3 3.1,3.1
ATH IX 28 00 32 11.3 36.49N 27.11E 10–0 3.2L,3.1
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=25.8km s-min=16.5km az=19.0.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/09/28 00:34:03, This location: 2021/09/28 07:09:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC IX 29 11 57 20.7–1.1 36.97N–.02 26.51E–.02 8–10 65 1-3
THE IX 29 11 57 20.8 37N–1.0 27E–1.0 13–4 3.3,3.3 **¶621801542**
ISK IX 29 11 57 20.5 36.96N 26.49E 9–0 3.2L,3.3
AFAD IX 29 11 57 20.7 36.97N 26.52E 7–2 3.8W,3.3
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 29 16 19 21.3–1.1 36.95N–.02 26.52E–.02 7–9 3.4b 110 0-43
IDC IX 29 16 19 20.1–1.5 36.84N 26.68E 0 3.6b,3.5 **¶621146385**
ISK IX 29 16 19 21.7 36.89N 26.51E 8–0 3.5L,3.5
THE IX 29 16 19 22.5 37N–3.0 27E–4.0 3–11 3.5,3.5
ATH IX 29 16 19 22.2 36.98N 26.54E 24–1 3.5L,3.5
AFAD IX 29 16 19 22.0 37.01N 26.56E 22–1 3.6W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=65.0km s-min=19.8km az=157.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/29 16:20:29, This location: 2021/09/29 16:42:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC IX 30 17 35 53.6–1.6 36.39N–.06 27.08E–.05 17–10 29 0-2
ISK IX 30 17 35 52.1 36.28N 27.03E 5–0 2.6L **¶631560255**
AFAD IX 30 17 35 56.4 36.48N 27.21E 16–1 2.2L
ISC Event type se.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 29 23 43 45.6–.84 36.49N–.02 27.13E–.02 12–5 70 0-2
ISK IX 29 23 43 44.8 36.48N 27.15E 1–0 2.3L **¶621801582**
THE IX 29 23 43 45.7 36N–1.0 27E–2.0 8–5 2.6,2.6
ATH IX 29 23 43 45.2 36.49N 27.16E 14–1 2.6L,2.6
AFAD IX 29 23 43 46.5 36.53N 27.21E 7–3 2.1L,2.6
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/29 23:45:18, This location: 2021/09/30 05:34:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC IX 29 20 34 33.3–1.1 36.87N–.03 26.57E–.02 8–10 61 1-2
ISK IX 29 20 34 32.4 36.79N 26.58E 3–0 2.3L **¶621801568**
AFAD IX 29 20 34 34.1 36.87N 26.68E 7–3 2.2L
THE IX 29 20 34 35.7 37N–8.0 26E–16 27–18 2.6,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 29 22 22 17.9–.56 36.46N–.02 27.19E–.02 13–3 4.5b 632 0-126
ISK IX 29 22 22 16.9 36.48N 27.16E 5–0 4.3L **¶621113107**
MOS IX 29 22 22 16.0–.98 36.42N 27.19E 11 4.6b
MED_R IX 29 22 22 17.0 36.47N 27.12E 10 4.6W
NEIC IX 29 22 22 17.5–2.0 36.49N–.04 27.17E–.06 10–1 4.6b
ATH IX 29 22 22 17.2 36.50N 27.19E 14–0 4.5L
GFZ IX 29 22 22 18.5 36.43N 27.26E 10 4.4W
THE IX 29 22 22 18.0 36N–1.0 27E–1.0 7–2 4.3,4.3
GFZ IX 29 22 22 19.9–.16 36N–2.0 27E–2.0 10 4.9b,4.8
AFAD IX 29 22 22 19.0 36.52N 27.26E 6–3 4.3W,4.8
MCSM IX 29 22 22 19.8–1.0 36N–9.0 28E–5.0 12–4 4.5b,4.4b
NAO IX 29 22 22 20.5 36.47N 27.12E 10 4.5b,4.4b
IDC IX 29 22 22 20.5–1.8 36.45N 27.23E 30–13 4.2b,4.2
ISC Event type ke.
ISK Event type ke.
MOS Error ellipse: s-maj=5.0km s-min=3.5km az=97.1.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.67±.03 $M_{\theta\theta}$0.09±.03; $M_{\phi\phi}$0.00±.02; $M_{r\theta}$0.08±.11; $M_{\theta\theta}$0.43±.02; $M_{\theta r}$0.48±.11; NP1: ϕ_s47.00000°,δ31.00000°,λ-64.00000°. NP2:ϕ_s197.00000°,δ62.00000°,λ-105.00000°. Principal axes: T 0.9600,Plg16.0000°,Azm298.0000°; N -0.1200,Plg13.0000°,Azm204.0000° ; P -0.8400,Plg69.0000°,Azm76.0000° $M_0$0.90000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.6km az=231.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/29 22:23:21, This location: 2021/09/29 22:48:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-4.83 $M_{\theta\theta}$1.07 $M_{\phi\phi}$3.75 $M_{r\theta}$0.85 $M_{\theta\phi}$1.97 $M_{\phi r}$1.02 NP1: ϕ_s211.00033°,δ52.61814°,λ-86.25202°. NP2:ϕ_s24.84200°,δ37.54195°,λ-94.88997°.
Principal axes: T 4.9700,Plg7.5487°,Azm298.3279°; N 0.0416,Plg2.9774°,Azm28.7228° ; P -5.0116,Plg81.8790°,Azm140.0994° $M_0$4.99095×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=9.1km s-min=7.5km az=1.0.
ISC IX 29 22 22 59.2–.82 36.45N–.02 27.16E–.02 9–5 4.4b,3.6s 189 0-117
MOS IX 29 22 22 57.6–1.3 36.40N 27.11E 10 4.5b,3.6s **¶621146404**
IDC IX 29 22 22 57.4–.72 36.47N 27.15E 0 4.2b,4.2
ISK IX 29 22 22 58.8 36.45N 27.12E 5–0 3.8L,4.2
NEIC IX 29 22 22 59.9–1.9 36.50N–.04 27.15E–.08 10–1 4.5b,4.2
ATH IX 29 22 22 59.9 36.47N 27.15E 5–1 4.2L,4.2
THE IX 29 22 23 00.5 37N–3.0 27E–3.0 6–6 4.3,4.3
AFAD IX 29 22 23 02.3 36.59N 27.23E 7–4 4.1L,4.3
ISC Event type ke.
MOS Error ellipse: s-maj=7.8km s-min=5.4km az=74.3.
IDC Error ellipse: s-maj=15.2km s-min=11.9km az=44.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=3.7km az=239.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/29 22:55:46, This location: 2021/09/29 23:05:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC IX 29 22 39 14.2–1.1 36.47N–.02 27.20E–.03 5–10 55 0-2
ISK IX 29 22 39 12.9 36.47N 27.19E 5–0 2.0L **¶621801576**
THE IX 29 22 39 14.2 36N–4.0 27E–4.0 3–11 2.5,2.5
AFAD IX 29 22 39 15.3 36.51N 27.28E 7–1 1.9L,2.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 29 23 27 39.3–.75 36.46N–.02 27.19E–.02 13–4 4.3b 429 0-126
IDC IX 29 23 27 37.7–.55 36.43N 27.19E 0 4.1b,4.0 **¶621113111**
ISK IX 29 23 27 38.9 36.48N 27.14E 9–0 4.0L,4.0
AFAD IX 29 23 27 39.7 36.51N 27.15E 16–1 4.1W,4.0
NEIC IX 29 23 27 39.4–1.8 36.47N–.04 27.16E–.05 10–1 4.3b,4.0
ATH IX 29 23 27 39.0 36.52N 27.17E 16–0 4.1L,4.0
THE IX 29 23 27 39.7 37N–1.0 27E–1.0 11–1 3.8,3.8
GFZ IX 29 23 27 41.5–.19 36N–2.0 27E–2.0 10 5.0b,4.3
GII IX 29 23 27 45.6–.00 35.982N–.00 27.271E–.00 0 3.8,4.3
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/29 23:28:44, This location: 2021/09/29 23:49:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK IX 30 17 36 26.1 36.53N 27.27E 13–1 2.3L
AFAD IX 30 17 36 27.4 36.56N 27.25E 14–1 2.2L **¶621819513**
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 04 14 03 23.2–.86 36.45N–.02 27.17E–.02 7–5 4.3b,3.5s 518 0-126
IDC X 04 14 03 21.1–.54 36.56N 27.06E 0 4.2b,4.2 **¶621118320**
AFAD X 04 14 03 22.9 36.44N 27.19E 8–1 4.3W,4.2
MOS X 04 14 03 22.1–1.2 36.49N 27.16E 10 4.5b,4.2
ISK X 04 14 03 22.0 36.47N 27.11E 6–0 4.4L,4.2
NEIC X 04 14 03 23.5–1.3 36.45N–.05 27.19E–.04 10–4 4.4b,4.2
THE X 04 14 03 23.9 36N–2.0 27E–3.0 9–9 4.2,4.2
MED_R X 04 14 03 23.0 36.51N 27.18E 13 4.5W,4.2
MCSM X 04 14 03 23.9–.30 36N–3.0 27E–4.0 10 4.3b,4.3b
ATH X 04 14 03 23.3 36.51N 27.19E 13–1 4.2L,4.3b
GFZ X 04 14 03 24.4 36.48N 27.19E 10 4.4W,4.3b
GFZ X 04 14 03 25.7–.18 36N–2.0 27E–2.0 10 5.0b,4.4b
GII X 04 14 03 29.0–.00 36.000N–.00 27.410E–.00 0 4.4,4.4b
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-4.57±.63 $M_{\theta\theta}$-1.44±.35; $M_{\phi\phi}$0.00±.43; $M_{r\theta}$4.95±.83; $M_{\theta\phi}$3.34±.29; $M_{\phi r}$-1.30±.56; NP1: ϕ_s349.00000°,δ54.00000°,λ-142.00000°. NP2:ϕ_s234.00000°,δ60.00000°,λ-43.00000°. Principal axes: T 7.3200,Plg3.0000°,Azm293.0000°; N 1.5100,Plg40.0000°,Azm25.0000° ; P -8.8300,Plg50.0000°,Azm199.0000° $M_0$8.07000×10^{15}
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/04 14:04:27, This location: 2021/10/04 15:20:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-4.28 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$4.60 $M_{r\theta}$1.62 $M_{\theta\phi}$1.72 $M_{\phi r}$0.08 NP1: ϕ_s216.79285°,δ51.90350°,λ-63.51847°. NP2:ϕ_s357.87414°,δ45.21874°,λ-119.62952°. Principal axes: T 5.1806,Plg3.5438°,Azm288.3771°; N -0.2935,Plg20.5435°,Azm19.7070° ; P -4.8871,Plg69.1256°,Azm189.0312° $M_0$5.04023×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC X 01 05 23 36.8–1.1 36.48N–.03 27.18E–.03 7–8 50 0-2
ISK X 01 05 23 36.1 36.43N 27.16E 3–0 2.3L **¶621801673**
THE X 01 05 23 37.2 36N–83 27E–58 1–41 2.6,2.6
AFAD X 01 05 23 38.0 36.58N 27.27E 17–0 2.2L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 03 08 25 42.8–.83 37.90N–.02 26.91E–.02 12–6 73 0-2
THE X 03 08 25 42.8 37.9N–.90 27E–1.0 5–2 2.3,2.3 **¶621801762**
ISK X 03 08 25 42.5 37.90N 26.90E 14–0 2.7L,2.3
AFAD X 03 08 25 43.0 37.92N 26.94E 7–4 2.2L,2.3
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 30 19 52 43.7–.90 36.42N–.02 28.91E–.02 29–6 137 0-7
GII IX 30 19 52 40.5–.00 36.43N 28.90E 0 3.0 **¶621122727**
ATH IX 30 19 52 43.3 36.42N 28.99E 24–2 3.3L
NIC IX 30 19 52 44.4 36.33N 28.95E 35–28 2.7L
ISK IX 30 19 52 44.1 36.44N 28.87E 20–0 3.2L
AFAD IX 30 19 52 45.1 36.46N 28.88E 21–1 3.0L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/30 19:54:25, This location: 2021/09/30 20:16:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 02 07 45 37.1–.90 35.22N–.03 27.81E–.02 19–3 4.0b 334 1-81
AFAD X 02 07 45 34.7 35.10N 27.80E 25–2 3.9L **¶621116409**
IDC X 02 07 45 35.3–.68 35.45N 27.80E 0 4.0b,3.9
NEIC X 02 07 45 36.2–1.7 35.22N–.04 27.75E–.04 10–1 4.0b,3.9
NIC X 02 07 45 37.3 35.26N 27.84E 18–1 3.6L,3.9
GFZ X 02 07 45 37.7–.24 35N–3.0 28E–2.0 10 6.3b,6.0
ISK X 02 07 45 38.4 35.35N 27.75E 15–0 3.9L,6.0
GII X 02 07 45 38.7–.00 34.978N–.00 27.839E–.00 0 3.8,6.0
THE X 02 07 45 40.4 35N–8.0 28E–8.0 6–12 3.7,3.7

ATH X 02 07 45 40.4 35.44N 27.76E 12–2 3.9L,3.7
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=13.6km s-min=8.5km az=11.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.2km az=143.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/10/02 07:47:01, This location: 2021/10/02 08:00:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.

ISC	**X**	**03 11 50 05.1–.92**	**37.90N–.02**	**26.91E–.03**	**11–7**		**53**	**0-2**
AFAD	X	03 11 50 04.6	37.89N	26.87E	8–3	2.3L	**¶621819704**	
ISK	X	03 11 50 05.5	37.92N	26.93E	5–0	2.5L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISK	**X**	**09 22 58 06.9**	**36.42N**	**27.21E**	**21–0**	**1.7L**		
							¶635806537	

ISK Event type ke.

ISC	**X**	**04 16 18 28.0–.83**	**36.49N–.02**	**27.15E–.02**	**11–5**		**129**	**0-5**
ISK	X	04 16 18 26.7	36.49N	27.10E	8–0	3.3L	**¶621801823**	
AFAD	X	04 16 18 27.7	36.50N	27.14E	7–1	3.2L		
ATH	X	04 16 18 27.8	36.48N	27.15E	11–1	3.5L		
THE	X	04 16 18 28.1	36N–2.0	27E–2.0	7–5	3.4,3.4		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/04 16:19:32, This location: 2021/10/04 17:11:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**X**	**04 17 08 12.1–.81**	**36.47N–.02**	**27.14E–.02**	**11–5**		**123**	**0-42**
ISK	X	04 17 08 11.5	36.48N	27.10E	8–0	3.5L	**¶621801826**	
THE	X	04 17 08 12.5	36.5N–.90	27E–1.0	4–2	3.4,3.4		
AFAD	X	04 17 08 12.1	36.49N	27.13E	7–2	3.2L,3.4		
ATH	X	04 17 08 12.3	36.48N	27.17E	13–1	3.5L,3.4		
IDC	X	04 17 08 17.4–2.5	38.54N	26.79E	0	3.6b,3.6		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/10/04 17:09:18, This location: 2021/10/04 17:22:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=132.5km s-min=18.1km az=172.0.

ISC	**X**	**04 14 26 54.0–.85**	**36.49N–.03**	**27.15E–.02**	**11–5**		**60**	**0-3**
AFAD	X	04 14 26 53.0	36.49N	27.12E	7–1	2.2L	**¶621801816**	
ATH	X	04 14 26 53.5	36.51N	27.19E	15–1	2.5L		
THE	X	04 14 26 54.2	36N–4.0	27E–6.0	0–9	2.5,2.5		
ISK	X	04 14 26 54.1	36.47N	27.19E	11–0	2.3L,2.5		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/04 14:27:35, This location: 2021/10/04 15:03:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.

THE	**X**	**04 21 21 13.2**	**37N–2.0**	**27E–2.0**	**10–5**	**2.7,2.7**		
ISK	X	04 21 21 11.9	36.50N	27.14E	10–0	2.5L,2.7	**¶621801832**	
AFAD	X	04 21 21 11.9	36.46N	27.15E	7–1	2.5L,2.7		

ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**05 07 54 08.8–.77**	**36.46N–.02**	**27.17E–.02**	**11–5**	**4.2b**	**314**	**0-126**
IDC	X	05 07 54 07.0–.59	36.46N	27.18E	0	4.2b,4.1	**¶621120451**	
ATH	X	05 07 54 08.7	36.48N	27.17E	11–1	4.2L,4.1		
ISK	X	05 07 54 08.2	36.48N	27.15E	7–0	4.0L,4.1		
AFAD	X	05 07 54 08.2	36.45N	27.13E	7–1	4.1W,4.1		
NEIC	X	05 07 54 08.7–1.8	36.36N–.05	27.19E–.05	10–1	4.2b,4.1		
THE	X	05 07 54 09.0	36N–1.0	27E–1.0	1–3	4.2,4.2		
GFZ	X	05 07 54 11.4–.21	36N–3.0	27E–2.0	10	5.0b,4.4		
GFZ	X	05 07 54 11.4	36.45N	27.27E	10	4.2W,4.4		

ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=9.6km az=173.0.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/10/05 07:55:14, This location: 2021/10/05 08:19:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.4km az=345.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-2.13 $M_{\theta\theta}$0.24 $M_{\phi\phi}$1.89 $M_{r\theta}$0.37 $M_{\theta\phi}$1.61 $M_{\phi r}$-0.47 NP1: ϕ_s230.22224°,δ45.89100°,λ-62.40753°. NP2:ϕ_s13.32070°,δ50.47960°,λ-115.53912°. Principal axes: T 2.8801,Plg2.4183°,Azm121.0864°; N -0.5434,Plg19.4249°,Azm30.2330° ; P -2.3367,Plg70.4131°,Azm217.9028° M_o2.65051×10^{15}

ISC	**X**	**05 08 00 19.8–1.0**	**36.47N–.03**	**27.17E–.03**	**8–9**		**38**	**0-2**
THE	X	05 08 00 19.7	36N–8.0	27E–10	0–23	2.6,2.6	**¶621801851**	
ISK	X	05 08 00 19.8	36.44N	27.22E	12–0	2.6L,2.6		
AFAD	X	05 08 00 19.4	36.46N	27.16E	7–3	2.3L,2.6		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISK	**X**	**08 13 19 05.9**	**36.24N**	**27.26E**	**23–0**	**1.9L**		
AFAD	X	08 13 19 01.8	36.21N	26.97E	7–1	1.8L	**¶621820062**	

ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**09 23 55 43.5–.84**	**36.49N–.02**	**27.14E–.03**	**13–5**		**48**	**0-2**
ISK	X	09 23 55 43.2	36.48N	27.15E	6–0	2.0L	**¶621801993**	
ATH	X	09 23 55 43.2	36.50N	27.15E	16–1	2.7L		
THE	X	09 23 55 43.9	36N–10	27E–15	7–15	2.1,2.1		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/10 01:01:55, This location: 2021/10/10 01:04:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**X**	**11 23 17 45.5–1.0**	**36.14N–.02**	**27.21E–.02**	**8–8**		**155**	**0-42**
ISK	X	11 23 17 44.7	36.13N	27.24E	4–0	3.1L	**¶621236913**	
ATH	X	11 23 17 45.4	36.15N	27.20E	13–1	3.2L		
THE	X	11 23 17 45.4	36N–1.0	27E–2.0	13–2	3.0,3.0		
IDC	X	11 23 17 45.4–1.3	36.09N	27.15E	0	3.5b,3.2		
AFAD	X	11 23 17 47.0	36.21N	27.36E	5–2	2.9L,3.2		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/11 23:18:53, This location: 2021/10/12 00:07:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=29.3km s-min=13.5km az=167.0.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**12 09 32 42.5–.92**	**35.55N–.04**	**27.17E–.03**	**23–4**		**190**	**0-6**
AFAD	X	12 09 32 35.3	35.40N	26.99E	12–2	4.2L	**¶621149172**	
ISK	X	12 09 32 41.4	35.50N	27.23E	24–0	4.1L		
ATH	X	12 09 32 42.5	35.59N	27.16E	19–2	4.5L		
THE	X	12 09 32 43.2	36N–2.0	27E–2.0	18–8	4.5,4.5		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/10/12 09:33:50, This location: 2021/10/12 10:58:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.

ISC	**X**	**11 20 36 28.1–.80**	**36.50N–.02**	**27.09E–.02**	**10–5**	**3.5b**	**222**	**0-42**
IDC	X	11 20 36 27.2–.93	36.56N	27.04E	0	3.7b,3.6	**¶621236905**	
ISK	X	11 20 36 27.2	36.51N	27.08E	7–0	3.5L,3.6		
THE	X	11 20 36 28.0	37N–1.0	27E–1.0	0–2	3.5,3.5		
ATH	X	11 20 36 28.3	36.53N	27.12E	10–1	3.6L,3.5		
AFAD	X	11 20 36 29.0	36.50N	27.16E	7–2	3.8W,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=11.0km az=167.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/11 20:37:19, This location: 2021/10/11 20:56:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**12 01 49 54.3–.80**	**37.88N–.02**	**26.77E–.02**	**13–5**		**102**	**0-2**
ATH	X	12 01 49 53.9	37.91N	26.83E	6–1	2.7L	**¶621802033**	
ISK	X	12 01 49 53.3	37.87N	26.80E	5–0	2.6L		
AFAD	X	12 01 49 54.4	37.89N	26.77E	7–3	2.4L		
THE	X	12 01 49 54.4	38N–2.0	27E–2.0	14–1	2.7,2.7		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/12 01:51:13, This location: 2021/10/12 05:08:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**13 10 46 59.6–.88**	**36.45N–.02**	**27.13E–.03**	**11–6**		**44**	**0-2**
ISK	X	13 10 46 59.9	36.45N	27.11E	9–0	2.3L	**¶621802075**	
ATH	X	13 10 46 59.3	36.46N	27.17E	15–1	2.5L		
THE	X	13 10 46 59.7	36N–1.0	27E–2.0	9–5	2.4,2.4		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/10/13 10:48:08, This location: 2021/10/13 11:34:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**X**	**14 11 56 40.9–.84**	**36.96N–.02**	**27.39E–.02**	**10–5**		**65**	**0-2**
ISK	X	14 11 56 40.8	36.94N	27.42E	1–0	2.2L	**¶621802095**	
AFAD	X	14 11 56 40.5	36.98N	27.36E	7–3	2.0L		
ATH	X	14 11 56 41.8	36.87N	27.21E	37–3	2.5L		
THE	X	14 11 56 41.5	37N–9.0	27E–8.0	16–11	2.3,2.3		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/10/14 11:57:51, This location: 2021/10/14 12:54:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 3 km.

ISC	**X**	**15 13 44 20.7–.88**	**36.41N–.02**	**27.13E–.02**	**12–6**		**59**	**0-2**
ISK	X	15 13 44 20.1	36.39N	27.18E	5–0	2.3L	**¶621802149**	
ATH	X	15 13 44 20.7	36.42N	27.14E	12–1	2.7L		
THE	X	15 13 44 20.7	36N–13	27E–13	11–12	2.8,2.8		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/15 14:13:40, This location: 2021/10/15 14:11:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	**X**	**15 03 01 43.0–.87**	**35.59N–.03**	**27.17E–.02**	**22–5**		**135**	**0-8**
ISK	X	15 03 01 41.2	35.42N	27.18E	25–0	3.1L	**¶621802126**	
AFAD	X	15 03 01 41.8	35.56N	27.20E	18–1	2.9L		
ATH	X	15 03 01 42.2	35.66N	27.10E	13–3	3.3L		
THE	X	15 03 01 43.4	36N–4.0	27E–2.0	22–9	3.2,3.2		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/15 03:03:02, This location: 2021/10/15 03:10:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.

ISC	**X**	**15 04 23 13.6–.96**	**35.52N–.05**	**27.22E–.04**	**25–5**		**70**	**0-3**
ATH	X	15 04 23 11.5	35.33N	27.36E	18–4	2.6L	**¶621802132**	
ISK	X	15 04 23 12.5	35.43N	27.16E	26–0	2.4L		
THE	X	15 04 23 13.4	35N–6.0	27E–4.0	21–6	2.6,2.6		
AFAD	X	15 04 23 14.7	35.63N	27.28E	8–4	2.3L,2.6		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/15 04:23:47, This location: 2021/10/15 05:42:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 3 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**16 16 42 38.0–.00**	**35.14N–.04**	**27.20E–.03**	**30–8**	**3.5b**	**169**	**0-44**
IDC	X	16 16 42 34.4–.93	35.28N	27.06E	0	3.6b,3.5	**¶621242132**	
AFAD	X	16 16 42 35.1	35.25N	26.61E	8–5	3.7W,3.5		
THE	X	16 16 42 38.7	35N–5.0	27E–3.0	10–6	3.3,3.3		
ISK	X	16 16 42 38.9	35.25N	27.13E	29–0	3.4L,3.3		
ATH	X	16 16 42 40.6–.35	35.39N	26.98E	13–2	3.4L,3.3		
GII	X	16 16 42 41.6–.00	34.933N–.00	27.528E–.00	0	3.2,3.3		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/16 16:43:07, This location: 2021/10/16 17:29:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 2 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

THE	**X**	**16 05 50 19.3**	**36N–1.0**	**25E–1.0**	**7–1**	**1.4,1.4**		
							¶635806533	

ISC	**X**	**18 20 17 18.6–1.4**	**36.21N–.04**	**27.02E–.03**	**8–12**		**34**	**0-2**
ISK	X	18 20 17 18.3	36.17N	26.97E	8–0	1.5L	**¶621820760**	
ATH	X	18 20 17 19.0	36.45N	27.31E	49–3	2.6L		
AFAD	X	18 20 17 21.0	36.28N	27.04E	7–1	2.0L		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/10/18 20:18:51, This location: 2021/10/18 20:45:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.

AFAD	**X**	**17 20 15 07.7**	**36.54N**	**27.17E**	**7–3**	**1.5L**		
ISK	X	17 20 15 09.8	36.51N	27.28E	5–0	1.7L	**¶635676914**	

AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**X**	**21 00 50 23.6–1.1**	**35.34N–.03**	**27.70E–.03**	**20–4**	**3.4b**	**135**	**0-43**
AFAD	X	21 00 50 18.1	35.13N	27.56E	12–1	3.4L	**¶621261384**	
IDC	X	21 00 50 21.6–.96	35.48N	27.66E	0	3.6b,3.5		
ISK	X	21 00 50 22.2	35.30N	27.70E	10–0	3.6L,3.5		
ATH	X	21 00 50 23.6	35.41N	27.68E	12–1	3.5L,3.5		
THE	X	21 00 50 25.0	35N–4.0	28E–4.0	14–18	3.5,3.5		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/21 00:51:00, This location: 2021/10/21 01:09:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**X**	**20 20 25 37.8–1.2**	**35.24N–.03**	**27.81E–.02**	**12–8**		**160**	**1-39**
AFAD	X	20 20 25 32.5	35.02N	27.48E	12–1	3.8W	**¶621246614**	
ISK	X	20 20 25 34.9	35.22N	27.82E	5–0	3.4L		
IDC	X	20 20 25 38.6–1.0	35.31N	27.88E	0	3.4b,3.4		
ATH	X	20 20 25 40.2	35.43N	27.74E	15–1	3.4L,3.4		
THE	X	20 20 25 40.3	35N–6.0	28E–5.0	8–9	3.3,3.3		
GII	X	20 20 25 41.6–.00	34.979N–.00	28.051E–.00	0	3.3,3.3		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.

ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/20 20:26:55, This location: 2021/10/20 21:33:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
THE X 20 22 50 39.8 36N–26 26E–22 2–14 1.7 ¶635806530
ISC X 20 22 50 41.7–1.5 35.14N–.05 27.83E–.03 6–10 51 1-3
AFAD X 20 22 50 41.6 35.13N 27.81E 17–2 2.5L **¶621802310**
ATH X 20 22 50 41.5 35.14N 27.86E 6–2 3.0L
ISK X 20 22 50 42.6 35.22N 27.73E 2–0 2.7L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/20 22:52:32, This location: 2021/10/21 00:04:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC X 21 12 21 03.8–2.0 35.39N–.08 27.59E–.05 9–12 20 0-2
AFAD X 21 12 20 58.4 35.11N 27.45E 8–2 2.1L **¶635806529**
ISK X 21 12 21 05.1 35.56N 27.54E 4–0 2.1L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC X 21 04 28 54.7–.93 36.44N–.02 27.08E–.03 10–7 54 0-2
AFAD X 21 04 28 54.6 36.42N 27.10E 7–3 1.9L **¶621802316**
ATH X 21 04 28 54.0 36.44N 27.05E 12–3 2.5L
THE X 21 04 28 55.3 36N–4.0 27E–4.0 11–4 2.2,2.2
ISK X 21 04 28 55.0 36.46N 27.10E 6–0 2.2L,2.2
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/21 04:30:03, This location: 2021/10/21 04:38:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC X 21 02 43 05.1–1.2 35.29N–.03 27.70E–.03 13–8 3.3b 132 1-43
AFAD X 21 02 43 02.2 35.16N 27.51E 10–1 3.7W **¶621261387**
ISK X 21 02 43 04.4 35.24N 27.73E 8–0 3.7L
IDC X 21 02 43 04.6–.93 35.52N 27.68E 0 3.6b,3.5
ATH X 21 02 43 05.6 35.33N 27.69E 13–1 3.5L,3.5
THE X 21 02 43 06.3 35N–5.0 28E–4.0 4–9 3.4,3.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/21 02:43:40, This location: 2021/10/21 02:56:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD X 22 11 51 12.1 35.20N 27.56E 8–1 2.2L ¶635806515
AFAD Event type se. Presumed earthquake.
ISC X 22 07 22 44.0–1.8 35.26N–.08 27.83E–.05 14–13 21 1-3
AFAD X 22 07 22 39.3 35.09N 27.14E 7–3 2.4L **¶621821001**
ISK X 22 07 22 43.1 35.30N 27.85E 6–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC X 22 10 25 21.9–1.3 35.21N–.04 27.68E–.03 8–9 3.6b,3.4s 138 1-64
AFAD X 22 10 25 19.3 35.11N 27.56E 24–2 3.9W,3.4s **¶621239047**
IDC X 22 10 25 20.7–1.3 35.27N 27.57E 0 3.8b,3.7
ISK X 22 10 25 22.8 35.27N 27.73E 12–0 3.7L,3.7
THE X 22 10 25 25.2 35N–4.0 28E–3.0 15–9 3.6,3.6
ATH X 22 10 25 25.8 35.39N 27.64E 22–7 3.7L,3.6
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=27.1km s-min=14.1km az=3.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/22 10:26:42, This location: 2021/10/22 11:10:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
ISC X 21 14 09 40.1–1.2 35.23N–.04 27.73E–.03 14–9 98 1-4
AFAD X 21 14 09 33.8 35.10N 27.26E 4–1 3.1L **¶621802356**
ISK X 21 14 09 40.1 35.26N 27.74E 13–0 3.2L
THE X 21 14 09 46.6 36N–7.0 28E–7.0 21–15 3.0,3.0
ATH X 21 14 09 46.1 35.50N 27.33E 22–3 2.9L,3.0
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/21 14:11:01, This location: 2021/10/21 16:29:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 6 km.
ISC X 21 15 05 56.3–1.3 35.29N–.04 27.71E–.03 10–9 100 1-4
AFAD X 21 15 05 53.6 35.22N 27.63E 22–5 3.5W **¶621802364**
ISK X 21 15 05 54.5 35.22N 27.76E 9–0 3.3L
ATH X 21 15 05 56.8 35.31N 27.65E 15–4 3.2L
THE X 21 15 05 59.5 35N–6.0 28E–5.0 0–12 2.9,2.9
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/21 15:10:08, This location: 2021/10/21 15:19:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
ISC X 21 15 34 09.6–1.5 35.25N–.05 27.81E–.04 21–4 98 1-4
AFAD X 21 15 34 02.9 35.13N 27.61E 6–3 3.5W **¶621802365**
ISK X 21 15 34 07.6 35.23N 27.77E 10–0 3.1L
ATH X 21 15 34 11.9 35.44N 27.71E 22–7 3.0L
THE X 21 15 34 12.2 35N–8.0 28E–7.0 0–18 2.8,2.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/21 15:35:29, This location: 2021/10/21 16:01:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 2 km.
ISC X 25 16 29 55.2–.82 37.84N–.01 26.96E–.02 17–6 145 0-2
ISK X 25 16 29 54.8 37.81N 26.93E 5–0 3.0L **¶621802478**
THE X 25 16 29 55.9 37.8N–.90 27E–1.0 9–1 3.2,3.2
AFAD X 25 16 29 55.4 37.84N 26.94E 7–4 3.0L,3.2
ATH X 25 16 29 56.1 37.84N 26.97E 7–1 3.2L,3.2
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/25 16:31:10, This location: 2021/10/25 16:45:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD X 22 23 08 21.4 36.53N 27.23E 8–2 1.8L
ISK X 22 23 08 20.2 36.46N 27.20E 3–0 1.7L **¶621821038**
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
AFAD X 22 17 13 01.0 37.88N 26.96E 7–3 1.6L
ISK X 22 17 13 01.3 37.89N 26.94E 5–0 2.0L **¶621821028**
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC X 25 17 55 46.5–.79 37.83N–.01 26.96E–.01 14–5 148 0-2
ATH X 25 17 55 45.7 37.84N 27.00E 7–1 2.8L **¶621802479**
THE X 25 17 55 46.6 37.8N–.80 27E–1.0 7–1 2.9,2.9
ISK X 25 17 55 46.2 37.82N 26.95E 4–0 2.7L,2.9
AFAD X 25 17 55 46.1 37.82N 26.92E 11–2 2.7L,2.9
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/25 17:57:16, This location: 2021/10/25 18:03:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 27 05 57 12.8–.96 36.22N–.02 27.06E–.02 16–8 93 0-4
ISK X 27 05 57 12.1 36.20N 26.98E 11–0 2.6L **¶621802503**
ATH X 27 05 57 12.6 36.25N 27.05E 18–3 2.9L
AFAD X 27 05 57 12.7 36.16N 27.09E 22–1 2.8L
THE X 27 05 57 13.6 36N–1.0 27E–3.0 11–4 2.7,2.7
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/27 05:58:18, This location: 2022/05/16 05:08:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
ATH X 27 00 46 28.9 36.46N 27.04E 19–1 2.1L
ISK X 27 00 46 30.5 36.36N 27.19E 10–0 1.7L **¶626169284**
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/27 00:47:43, This location: 2021/10/27 00:50:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC XI 03 10 21 41.8–1.0 36.50N–.02 28.70E–.02 5–9 95 0-3
ISK XI 03 10 21 40.8 36.48N 28.74E 6–0 3.0L **¶621821787**
AFAD XI 03 10 21 41.1 36.47N 28.70E 7–4 2.8L
THE XI 03 10 21 41.2 36N–2.0 29E–2.0 0–2 2.9,2.9
ATH XI 03 10 21 44.7 36.50N 28.52E 28–1 2.9L,2.9
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/11/03 10:23:09, This location: 2021/11/03 11:11:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 6 km.
ISC X 27 20 54 22.7–.79 36.52N–.02 25.52E–.02 12–5 78 0-3
ISK X 27 20 54 21.2 36.47N 25.42E 8–0 2.0L **¶621802518**
ATH X 27 20 54 22.0 36.53N 25.57E 11–0 2.6L
THE X 27 20 54 23.0 37N–1.0 26E–1.0 8–2 2.6,2.6
AFAD X 27 20 54 27.0 36.61N 25.62E 16–32 2.0L,2.6
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/10/27 20:55:34, This location: 2021/10/27 21:26:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC X 30 07 13 24.1–.95 36.50N–.03 27.22E–.03 6–7 46 0-2
ATH X 30 07 13 23.8 36.52N 27.24E 6–1 2.5L **¶621821489**
ISK X 30 07 13 24.3 36.47N 27.25E 5–0 2.5L
AFAD X 30 07 13 24.9 36.50N 27.26E 7–1 2.1L
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/30 07:14:33, This location: 2021/10/30 07:45:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK XI 02 12 00 09.9 36.39N 27.30E 5–0 1.8L ¶635891154
ISK Event type ke.
ISC X 27 13 37 01.2–.85 36.54N–.02 25.56E–.03 13–5 72 0-2
ISK X 27 13 37 00.6 36.53N 25.58E 15–0 2.2L **¶621802511**
THE X 27 13 37 02.0 37N–1.0 26E–1.0 5–2 2.9,2.9
ATH X 27 13 37 01.3 36.54N 25.55E 12–1 2.7L,2.9
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/27 13:38:12, This location: 2021/10/27 13:41:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC X 30 03 19 57.1–.93 36.49N–.03 27.20E–.02 10–6 64 0-2
ISK X 30 03 19 55.9 36.44N 27.18E 5–0 2.7L **¶621802562**
ATH X 30 03 19 56.8 36.46N 27.17E 8–2 2.8L
THE X 30 03 19 57.4 37N–2.0 27.2E–1.0 11–4 2.5,2.5
AFAD X 30 03 19 58.6 36.56N 27.20E 7–2 2.4L,2.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/30 03:21:05, This location: 2021/10/30 05:36:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
ISC XI 11 05 19 28.0–1.0 36.38N–.02 26.95E–.02 8–9 61 0-2
ATH XI 11 05 19 27.2 36.38N 26.88E 16–1 2.7L **¶621822490**
ISK XI 11 05 19 27.6 36.36N 26.99E 5–0 2.1L
THE XI 11 05 19 28.9 36N–46 27E–31 1–28 2.8
AFAD XI 11 05 19 28.6 36.31N 27.14E 8–4 2.3L
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/11/11 05:20:40, This location: 2021/11/11 05:39:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 04 17 54 58.1–1.0 36.24N–.02 27.01E–.02 9–9 74 0-2
AFAD XI 04 17 54 56.0 36.13N 27.03E 8–2 2.0L **¶621821858**
ISK XI 04 17 54 57.8 36.25N 27.01E 8–0 2.1L
THE XI 04 17 54 58.1 36N–3.0 27E–5.0 6–7 2.3,2.3
ATH XI 04 17 54 58.3 36.23N 26.99E 11–2 2.5L,2.3
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/11/04 17:56:06, This location: 2021/11/04 18:01:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 2 km.
ISC XI 08 22 46 43.7–1.0 36.39N–.03 27.13E–.03 11–7 59 0-4
ATH XI 08 22 46 40.2 36.29N 27.46E 14–2 2.7L **¶621822284**
ISK XI 08 22 46 43.0 36.41N 27.13E 3–0 1.9L
THE XI 08 22 46 43.3 36N–2.0 27E–1.0 5–2 2.0,2.0
ISC Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/11/08 22:47:51, This location: 2021/11/08 23:12:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 3 km.
ISK Event type ke.
ISC XI 04 21 17 11.8–.98 35.33N–.03 27.40E–.03 36–1 3.7b 225 0-75
IDC XI 04 21 17 07.7–.90 35.55N 27.24E 0 3.7b,3.6 **¶621412316**
ISK XI 04 21 17 13.7 35.51N 27.20E 54–1 3.3L,3.6
ATH XI 04 21 17 14.5 35.52N 27.19E 47–2 3.4L,3.6
THE XI 04 21 17 15.2 36N–3.0 27E–3.0 47–4 3.1,3.1
AFAD XI 04 21 17 15.0 35.64N 27.22E 83–18 3.4W,3.1
GII XI 04 21 17 16.8–.00 35.242N–.00 27.720E–.00 0 3.8,3.1
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/04 21:18:16, This location: 2021/11/04 21:25:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XI 06 10 40 53.5–1.2 35.22N–.03 27.24E–.02 2–8 3.9b 162 0-64
GII XI 06 10 40 50.9–.00 35.297N–.00 27.170E–.00 0–0 3.6 **¶621415978**
IDC XI 06 10 40 54.7–.84 35.31N 27.13E 0 3.8b,3.6
ATH XI 06 10 40 55.5 35.24N 27.12E 11–1 3.5L,3.6
NEIC XI 06 10 40 55.5–.96 35.26N–.03 27.22E–.05 10–1 4.3b,3.6
ISK XI 06 10 40 55.2 35.24N 27.14E 4–0 3.5L,3.6
THE XI 06 10 40 58.6 35N–6.0 27E–5.0 4–28 3.4,3.4
AFAD XI 06 10 40 58.4 35.40N 27.34E 23–4 3.6W,3.4
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=17.6km s-min=10.8km az=2.0.

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/11/06 10:42:04, This location: 2021/11/06 10:51:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.7km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**XI**	**27 00 53 56.0–.87**	**36.40N–.02**	**27.12E–.03**	**14–6**		**47**	**0-2**
ATH	XI	27 00 53 55.6	36.39N	27.10E	11–2	2.5L	**¶621823615**	
ISK	XI	27 00 53 55.7	36.40N	27.18E	5–0	2.0L		
THE	XI	27 00 53 56.6	36N–1.0	27E–1.0	19–2	2.5,2.5		

ISC Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/11/27 00:55:54, This location: 2021/11/27 02:24:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISK Event type ke.

ISC	**XI**	**15 21 34 58.8–.78**	**36.94N–.01**	**27.68E–.02**	**14–5**		**168**	**0-41**
ISK	XI	15 21 34 58.0	36.94N	27.69E	7–0	3.4L	**¶621475652**	
AFAD	XI	15 21 34 58.6	36.93N	27.68E	7–1	3.4W		
THE	XI	15 21 34 58.7	37N–1.0	28E–1.0	10–2	3.3,3.3		
ATH	XI	15 21 34 58.1	36.98N	27.72E	12–1	3.4L,3.3		
IDC	XI	15 21 34 58.2–.94	36.92N	27.65E	0	3.5b,3.5		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/11/15 21:35:30, This location: 2021/11/15 22:13:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=13.9km s-min=11.5km az=168.0.

ISC	**XI**	**23 14 06 22.2–1.1**	**35.13N–.03**	**27.01E–.02**	**17–7**	**3.9b**	**177**	**0-84**
IDC	XI	23 14 06 20.1–1.1	35.20N	26.85E	0	3.8b,3.6	**¶621611956**	
AFAD	XI	23 14 06 20.9	35.21N	26.86E	13–2	3.2L,3.6		
NEIC	XI	23 14 06 21.6–.66	35.07N–.04	26.96E–.07	7–5	4.1b,3.6		
ATH	XI	23 14 06 22.4	35.13N	27.05E	17–2	3.9L,3.6		
ISK	XI	23 14 06 23.6	35.24N	26.92E	15–0	3.6L,3.6		
THE	XI	23 14 06 26.0	35N–3.0	27E–2.0	8–4	3.5,3.5		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/11/23 14:07:29, This location: 2021/11/23 14:13:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.

ISC	**XI**	**14 20 35 07.4–1.0**	**36.11N–.02**	**27.62E–.02**	**9–8**	**3.4b**	**224**	**0-57**
AFAD	XI	14 20 35 06.2	36.05N	27.61E	21–3	3.1L	**¶621468739**	
ISK	XI	14 20 35 06.8	36.16N	27.58E	9–0	3.4L		
GII	XI	14 20 35 06.8–.00	36.040N–.00	27.700E–.00	0–0	3.8		
THE	XI	14 20 35 07.8	36N–1.0	28E–1.0	9–2	3.2,3.2		
IDC	XI	14 20 35 07.4–1.2	36.23N	27.26E	0	3.5b,3.4		
ATH	XI	14 20 35 08.1	36.18N	27.62E	20–3	3.4L,3.4		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=33.6km s-min=15.3km az=151.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/11/14 20:36:17, This location: 2022/05/09 17:22:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**XI**	**20 07 25 48.4–.98**	**37.84N–.03**	**26.91E–.03**	**12–8**		**32**	**0-2**
AFAD	XI	20 07 25 48.9	37.86N	26.94E	7–2	2.2L	**¶621823151**	
ISK	XI	20 07 25 48.6	37.88N	26.92E	9–0	2.6L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

AFAD	**XI**	**12 15 12 42.2**	**36.37N**	**27.09E**	**6–2**	**1.6L**		
							¶635891152	

AFAD Event type se. Presumed earthquake.

ISC	**XI**	**21 04 37 10.5–.87**	**36.52N–.02**	**27.13E–.02**	**8–6**		**73**	**0-2**
ISK	XI	21 04 37 09.9	36.51N	27.13E	1–0	2.3L	**¶621823204**	
THE	XI	21 04 37 10.6	37N–2.0	27E–2.0	0–3	2.4,2.4		
AFAD	XI	21 04 37 10.4	36.54N	27.12E	11–3	2.0L,2.4		
ATH	XI	21 04 37 10.5	36.53N	27.15E	8–1	2.5L,2.4		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/11/21 04:38:20, This location: 2021/11/21 05:12:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISK	**XI**	**24 19 47 04.7**	**35.60N**	**27.06E**	**6–0**	**2.2L**		
AFAD	XI	24 19 47 05.7	37.61N	26.79E	7–5	1.9L	**¶621823440**	

ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**XI**	**30 10 32 23.7–.71**	**37.71N–.01**	**25.96E–.01**	**7–4**	**4.2b**	**447**	**1-80**
IDC	XI	30 10 32 22.6–.79	37.60N	25.99E	0	4.2b,4.1	**¶621499183**	
ISK	XI	30 10 32 22.4	37.74N	25.82E	7–0	4.1L,4.1		
THE	XI	30 10 32 23.6	38N–1.0	26E–1.0	0–2	4.2,4.2		
AFAD	XI	30 10 32 23.4	37.69N	25.96E	7–3	4.2W,4.2		
MOS	XI	30 10 32 23.0–.86	37.73N	26.01E	12	4.5b,4.2		
ATH	XI	30 10 32 24.2	37.70N	25.99E	16–1	4.1L,4.2		
NEIC	XI	30 10 32 24.0–1.0	37.60N–.05	25.87E–.05	10–1	4.2b,4.2		
MCSM	XI	30 10 32 25.4–.90	38N–4.0	26E–4.0	9–6	4.5,4.3b		
GFZ	XI	30 10 32 26.4–.20	38N–2.0	26E–2.0	10	4.3L,4.3		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/11/30 10:33:29, This location: 2021/11/30 10:54:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**30 04 00 40.3–.46**	**37.69N–.01**	**25.98E–.01**	**9–2**	**5.1b,4.6s**	**1345**	**1-128**
SOF	XI	30 04 00 32.2	37.4N–.20	26.30E–.06	2–1	5.4,4.6s	**¶621499096**	
NAO	XI	30 04 00 33.2	37.51N	28.64E	10	5.1b,4.6s		
GII	XI	30 04 00 36.7–.00	37.777N–.00	26.023E–.00	0	5.1,4.6s		
BJI	XI	30 04 00 37.6	37.70N	25.90E	10	5.3b,5.2b		
IDC	XI	30 04 00 38.5–.40	37.71N	26.00E	0	4.6b,4.6		
ATH	XI	30 04 00 39.8	37.70N	26.00E	16–1	5.0L,4.6		
MED_R	XI	30 04 00 39.0	37.71N	25.95E	10	5.1W,4.6		
MOS	XI	30 04 00 39.0–.87	37.75N	26.00E	11	5.2b,4.6s		
MCSM	XI	30 04 00 39.0–.80	38N–3.0	26E–3.0	10–6	5.5,5.4b		
NEIC	XI	30 04 00 40.5–1.2	37.74N–.05	26.08E–.01	10–1	5.2b,5.0		
NEIC	XI	30 04 00 40.4	37.75N	26.07E	10	5.2b,5.0		
ISK	XI	30 04 00 40.0	37.68N	26.01E	7–0	5.3L,5.0		
THE	XI	30 04 00 40.5	38N–1.0	26E–2.0	20–5	5.1,5.1		
NEIC	XI	30 04 00 41	37.73N	26.08E	10	5.1,5.1		
GFZ	XI	30 04 00 42.2–.10	38N–1.0	26E–1.0	10	5.5b,5.3		
AFAD	XI	30 04 00 42.4	37.73N	26.14E	4–3	5.1W,5.3		
GCMT	XI	30 04 00 42.8–.10	37.67N–.01	25.87E–.01	12	5.1W,5.3		
GFZ	XI	30 04 00 42.2	37.64N	26.12E	10	5.0W,5.3		
NEIC	XI	30 04 00 44.9	37.75N	26.07E	14	5.1,5.3		

ISC Event type ke.
SOF Event type ke.
NAO Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=8.7km s-min=6.8km az=10.0.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/11/30 04:01:46, This location: 2021/11/30 04:45:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-3.62±.12 $M_{\theta\theta}$5.53±.10; $M_{\phi\phi}$0.00±.11; $M_{r\theta}$2.08±.40; $M_{\theta\phi}$-1.68±.12; $M_{\phi r}$1.06±.45; NP1: ϕ_s131.00000°,δ43.00000°,λ-44.00000°. NP2:ϕ_s257.00000°,δ62.00000°,λ-124.00000°. Principal axes: T 6.2300,Plg11.0000°,Azm10.0000°; N -1.4500,Plg29.0000°,Azm274.0000° ; P -4.7900,Plg59.0000°,Azm118.0000° $M_0$5.51000×10^{16}
MOS Error ellipse: s-maj=4.0km s-min=2.5km az=84.8.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=2.7km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.87 $M_{\theta\theta}$3.97 $M_{\phi\phi}$-1.10 $M_{r\theta}$-0.95 $M_{\theta\phi}$-1.17 $M_{\phi r}$1.78 NP1:ϕ_s128.55000°,δ61.74000°,λ-56.59000°. NP2:ϕ_s254.21000° ,δ42.67000°,λ-135.69000°. Principal axes: T 4.4743,Plg11.0000°,Azm195.0000° ; N -0.4995,Plg29.0000°,Azm291.0000°; P -3.9747,Plg59.0000°,Azm87.0000° $M_0$4.25000×10^{16}
NEIC Event type se.
ISK Event type ke.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111300400A. Moment Tensor Solution. s60,c83; s135,c224; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.53±.09 $M_{\theta\theta}$5.26±.08; $M_{\phi\phi}$-1.73±.08; $M_{r\theta}$-0.90±.22; $M_{\theta\phi}$-2.41±.07; $M_{\phi r}$2.09±.27; Best double couple: NP1:ϕ_s256.00000°,δ47.00000° ,λ-140.00000°. NP2:ϕ_s136.00000°,δ62.00000°,λ-51.00000°. Principal axes: T 6.2430,Plg9.0000°,Azm199.0000°; N -1.3010,Plg34.0000°,Azm295.0000° ; P -4.9430,Plg54.0000°,Azm96.0000° $M_0$5.59300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.43 $M_{\theta\theta}$3.34 $M_{\phi\phi}$0.09 $M_{r\theta}$0.57 $M_{\theta\phi}$-1.29 $M_{\phi r}$1.20 NP1: ϕ_s128.23617°,δ47.27731°,λ-61.86453°. NP2:ϕ_s269.99145°,δ49.62131°,λ-117.04961°. Principal axes: T 3.7943,Plg1.2404°,Azm18.7536°; N 0.1284,Plg20.2690°,Azm288.2955° ; P -3.9227,Plg69.6897°,Azm112.1074° $M_0$3.86012×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1§8 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.21 $M_{\theta\theta}$5.76 $M_{\phi\phi}$-1.55 $M_{r\theta}$3.50 $M_{\theta\phi}$-1.86 $M_{\phi r}$0.28 NP1:ϕ_s123.42000°,δ31.57000° ,λ-59.50000°. NP2:ϕ_s268.76000°,δ63.19000°,λ-107.32000°. Principal axes: T 7.1921,Plg16.0000°,Azm11.0000°; N -1.6903,Plg15.0000°,Azm277.0000° ; P -5.5018,Plg67.0000°,Azm146.0000° $M_0$6.51000×10^{16}

ISC	**XI**	**30 04 09 14.7–.97**	**37.69N–.02**	**26.00E–.02**	**15–7**	**3.8b**	**270**	**1-57**
IDC	XI	30 04 09 12.5–.98	37.67N	26.02E	0	3.8b,3.7	**¶621499102**	
NEIC	XI	30 04 09 14.4–1.6	37.66N–.05	26.11E–.06	10–1	4.0b,3.7		
ISK	XI	30 04 09 14.3	37.67N	26.03E	5–0	3.9L,3.7		
THE	XI	30 04 09 15.6	38N–1.0	26E–1.0	16–2	3.9,3.9		
ATH	XI	30 04 09 15.0	37.71N	25.98E	22–2	4.1L,3.9		
AFAD	XI	30 04 09 16.9	37.73N	26.11E	7–3	4.3W,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=12.8km az=40.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.6km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/11/30 04:10:21, This location: 2021/11/30 04:32:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**XII**	**01 05 14 47.6–1.1**	**37.71N–.02**	**25.99E–.03**	**12–10**		**49**	**1-2**
ISK	XII	01 05 14 47.3	37.71N	25.96E	5–0	2.4L	**¶621823840**	
THE	XII	01 05 14 47.8	38N–1.0	26E–2.0	13–2	2.9,2.9		
ATH	XII	01 05 14 47.8	37.70N	26.02E	23–2	2.7L,2.9		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/12/01 05:16:00, This location: 2021/12/01 05:37:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	**XI**	**30 04 22 12.3–.96**	**36.04N–.02**	**27.63E–.02**	**14–7**	**3.2b**	**79**	**0-42**
IDC	XI	30 04 22 09.9–1.2	36.03N	27.48E	0	3.6b,3.5	**¶621627015**	
ISK	XI	30 04 22 11.9	36.05N	27.62E	9–0	3.1L,3.5		
THE	XI	30 04 22 12.7	36N–4.0	28E–3.0	9–3	3.0,3.0		
ATH	XI	30 04 22 12.2	36.02N	27.63E	9–2	3.3L,3.0		
AFAD	XI	30 04 22 15.0	36.21N	27.77E	6–4	3.3L,3.0		

ISC Event type ke.
IDC Error ellipse: s-maj=22.7km s-min=16.4km az=175.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/11/30 04:23:25, This location: 2021/11/30 05:14:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

ISC	**XI**	**30 12 53 16.3–1.4**	**37.70N–.03**	**25.95E–.02**	**20–6**		**37**	**1-2**
ATH	XI	30 12 53 15.3	37.74N	25.98E	19–2	2.7L	**¶621823787**	
ISK	XI	30 12 53 16.5	37.67N	25.95E	3–0	2.3L		
THE	XI	30 12 53 17.0	38N–29	26E–28	32–19	2.8,2.8		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/11/30 13:21:09, This location: 2021/11/30 13:21:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**XI**	**30 15 55 11.1–.97**	**37.70N–.02**	**26.02E–.02**	**16–9**		**59**	**1-2**
ISK	XI	30 15 55 10.8	37.68N	26.07E	3–0	2.3L	**¶621823791**	
ATH	XI	30 15 55 10.6	37.72N	26.01E	15–2	2.5L		
THE	XI	30 15 55 11.5	38N–4.0	26E–3.0	18–6	2.5,2.5		
AFAD	XI	30 15 55 11.7	37.69N	26.05E	7–1	2.2L,2.5		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/11/30 15:56:35, This location: 2021/11/30 16:28:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**XI**	**30 07 43 06.5–1.0**	**37.70N–.02**	**26.03E–.02**	**9–11**		**69**	**1-3**
AFAD	XI	30 07 43 06.3	37.67N	26.07E	7–1	2.9L	**¶621823778**	
THE	XI	30 07 43 06.9	38N–7.0	26E–6.0	3–8	3.0,3.0		
ATH	XI	30 07 43 06.4	37.68N	26.02E	12–1	3.0L,3.0		
ISK	XI	30 07 43 11.2	37.74N	26.34E	5–0	2.7L,3.0		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/11/30 07:44:19, This location: 2021/11/30 07:52:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**XII**	**01 07 40 06.8–1.2**	**37.67N–.02**	**26.01E–.03**	**5–11**		**42**	**1-2**
ISK	XII	01 07 40 06.6	37.66N	26.04E	5–0	2.1L	**¶621823848**	
THE	XII	01 07 40 06.8	38N–2.0	26E–2.0	5–5	2.7,2.7		

ISC Event type ke.
ISK Event type ke.

ISC	**XII**	**01 07 41 37.2–1.1**	**35.04N–.09**	**27.44E–.07**	**10**	**3.7b**	**27**	**1-64**
IDC	XII	01 07 41 36.6–1.8	35.23N	27.30E	0	3.8L,3.8b	**¶621629796**	
ATH	XII	01 07 41 58.8	35.54N	25.68E	8–2	2.7L,3.8b		

ISC Event type ke.
IDC Error ellipse: s-maj=46.1km s-min=19.8km az=9.0.
ATH Event type ke. Manual Solution by S.Kalamatas First location: 2021/12/01 07:43:48, This location: 2022/05/05 13:37:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**XII**	**01 11 05 51.7–1.0**	**37.70N–.02**	**25.98E–.02**	**12–9**		**61**	**1-2**
ISK	XII	01 11 05 51.6	37.69N	25.96E	5–0	2.3L	**¶621823863**	
THE	XII	01 11 05 51.8	38N–2.0	26E–2.0	16–5	2.5,2.5		
ATH	XII	01 11 05 51.5	37.70N	25.98E	11–4	2.5L,2.5		
AFAD	XII	01 11 05 52.9	37.83N	26.06E	7–4	2.2L,2.5		

ISC Event type ke.
ISK Event type ke.

ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/12/01 11:07:16, This location: 2021/12/01 11:33:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC XII 01 11 29 05.5–1.1 37.70N–.02 26.03E–.02 19–4 101 1-3
ISK XII 01 11 29 04.9 37.65N 26.01E 5–0 3.1L **¶621823866**
THE XII 01 11 29 05.4 38N–2.0 26E–3.0 3–6 3.5,3.5
ATH XII 01 11 29 05.4 37.79N 26.01E 14–3 3.3L,3.5
AFAD XII 01 11 29 06.7 37.68N 26.09E 7–3 3.3L,3.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Kalamatas First location: 2021/12/01 11:30:13, This location: 2021/12/01 11:46:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC XII 02 18 33 57.3–.88 36.50N–.03 27.15E–.02 10–5 97 0-3
ISK XII 02 18 33 56.7 36.51N 27.14E 3–0 2.5L **¶621823967**
THE XII 02 18 33 57.6 37N–1.0 27.2E–1.0 4–2 2.5,2.5
AFAD XII 02 18 33 57.8 36.54N 27.18E 17–1 2.3L,2.5
ATH XII 02 18 33 57.0 36.48N 27.12E 8–2 2.5L,2.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/12/02 18:35:11, This location: 2021/12/02 19:14:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC XII 01 12 11 43.3–1.1 36.30N–.03 28.53E–.02 6–9 77 0-3
ISK XII 01 12 11 41.4 36.24N 28.58E 5–0 3.0L **¶621823869**
AFAD XII 01 12 11 42.2 36.26N 28.47E 8–4 2.9L
THE XII 01 12 11 43.8 36N–2.0 29E–2.0 9–5 2.8,2.8
ATH XII 01 12 11 43.2 36.30N 28.55E 12–1 3.2L,2.8
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by S.Kalamatas First location: 2021/12/01 12:13:35, This location: 2021/12/01 12:37:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC XII 02 12 08 58.1–1.0 37.69N–.02 26.00E–.02 10–8 3.7b 172 1-80
IDC XII 02 12 08 55.6–9.8 37.39N 26.01E 0 3.8b,3.7 **¶622050604**
ISK XII 02 12 08 57.6 37.69N 25.96E 3–0 3.8L,3.7
THE XII 02 12 08 58.7 38N–1.0 26E–1.0 19–3 3.7,3.7
ATH XII 02 12 08 58.1 37.70N 26.01E 13–1 3.6L,3.7
AFAD XII 02 12 08 58.0 37.67N 26.01E 7–3 3.9W,3.7
NEIC XII 02 12 08 59.9–.57 37.90N–.07 26.01E–.02 10–2 4.1b,3.7
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/02 12:10:05, This location: 2021/12/02 12:20:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 04 00 29 30.6–1.2 37.66N–.03 26.03E–.03 9–12 49 1-3
ISK XII 04 00 29 30.6 37.68N 26.00E 9–0 2.1L **¶621824049**
THE XII 04 00 29 30.9 38N–2.0 26E–2.0 13–5 2.6,2.6
AFAD XII 04 00 29 34.4 37.67N 26.30E 7–5 1.9L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 03 14 04 54.7–1.0 37.70N–.03 26.00E–.02 8–10 56 1-2
AFAD XII 03 14 04 53.1 37.64N 25.98E 7–4 2.5L **¶621824020**
ISK XII 03 14 04 54.4 37.70N 26.01E 5–0 2.4L
ATH XII 03 14 04 54.6 37.71N 26.00E 6–1 2.4L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/12/03 14:06:17, This location: 2021/12/03 15:33:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XII 06 14 06 37.2–.87 36.51N–.02 27.13E–.02 7–6 75 0-2
ISK XII 06 14 06 36.8 36.53N 27.14E 2–0 2.6L **¶621824217**
ATH XII 06 14 06 36.4 36.50N 27.10E 12–2 2.7L
AFAD XII 06 14 06 37.2 36.52N 27.14E 7–4 2.5L
THE XII 06 14 06 37.3 37N–2.0 27E–2.0 0–5 2.7,2.7
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Kalamatas First location: 2021/12/06 14:07:47, This location: 2021/12/06 14:49:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC XII 05 06 21 22.8–.85 37.89N–.02 26.83E–.02 12–6 63 0-2
ISK XII 05 06 21 22.8 37.91N 26.86E 8–0 2.2L **¶621824120**
AFAD XII 05 06 21 22.8 37.90N 26.84E 8–2 2.4L
THE XII 05 06 21 22.6 38N–8.0 27E–12 14–7 2.5,2.5
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 05 10 46 32.2–.98 37.71N–.02 25.99E–.02 11–9 107 1-3
ISK XII 05 10 46 31.6 37.70N 25.99E 8–0 2.7L **¶621824131**
AFAD XII 05 10 46 32.3 37.70N 26.04E 7–2 2.3L
THE XII 05 10 46 32.9 38N–2.0 26E–3.0 0–6 2.6,2.6
ATH XII 05 10 46 32.1 37.70N 25.98E 8–1 2.7L,2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/12/05 10:47:45, This location: 2021/12/05 14:28:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC XII 06 16 14 41.4–.83 36.52N–.02 27.16E–.02 10–5 59 0-2
ISK XII 06 16 14 40.9 36.54N 27.08E 5–0 2.2L **¶621824221**
ATH XII 06 16 14 41.0 36.52N 27.21E 11–0 2.8L
THE XII 06 16 14 41.7 37N–2.0 27E–2.0 5–7 2.6,2.6
AFAD XII 06 16 14 43.2 36.57N 27.20E 7–4 2.1L,2.6
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/06 16:26:54, This location: 2021/12/06 16:25:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC XII 08 17 18 15.5–.84 36.46N–.02 27.21E–.02 12–6 83 0-2
ISK XII 08 17 18 15.2 36.41N 27.19E 5–0 2.2L **¶621824330**
THE XII 08 17 18 15.2 36N–6.0 27E–10 7–9 2.5,2.5
ATH XII 08 17 18 15.1 36.47N 27.30E 11–1 2.8L,2.5
AFAD XII 08 17 18 16.3 36.54N 27.21E 2–2 2.2L,2.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/12/08 17:19:23, This location: 2021/12/08 17:53:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC XII 06 19 53 58.7–.89 36.52N–.02 27.15E–.02 7–6 57 0-3
ISK XII 06 19 53 58.6 36.51N 27.13E 5–0 2.4L **¶621824227**
THE XII 06 19 53 58.8 37N–2.0 27E–2.0 2–8 2.6,2.6
ATH XII 06 19 53 58.4 36.52N 27.13E 8–1 2.6L,2.6
AFAD XII 06 19 53 59.3 36.54N 27.19E 7–1 2.2L,2.6
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Kalamatas First location: 2021/12/06 19:55:39, This location: 2021/12/06 20:23:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
ISC XII 07 05 48 06.5–1.2 37.69N–.02 26.01E–.03 10–10 59 1-2
AFAD XII 07 05 48 06.4 37.68N 26.03E 7–3 2.8L **¶621824250**
THE XII 07 05 48 06.6 38N–1.0 26E–2.0 13–2 2.8,2.8
ISK XII 07 05 48 06.2 37.69N 25.99E 5–0 2.9L,2.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XII 08 01 22 05.7–.87 36.39N–.02 27.09E–.02 16–6 82 0-2
ISK XII 08 01 22 05.7 36.39N 27.09E 9–0 2.3L **¶621824293**
THE XII 08 01 22 05.8 36N–5.0 27E–3.0 12–7 2.7,2.7
ATH XII 08 01 22 05.5 36.38N 27.05E 15–2 2.8L,2.7
AFAD XII 08 01 22 06.0 36.42N 27.18E 30–0 2.3L,2.7
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/08 01:23:16, This location: 2021/12/08 02:14:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC XII 10 11 25 29.1–1.0 36.49N–.02 27.15E–.02 6–9 54 0-2
AFAD XII 10 11 25 28.8 36.49N 27.15E 7–2 2.2L **¶621824434**
ISK XII 10 11 25 28.4 36.49N 27.17E 2–0 2.4L
THE XII 10 11 25 29.1 36N–1.0 27E–1.0 3–4 2.5,2.5
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XII 08 14 43 53.9–2.0 36.27N–.05 26.91E–.08 95–12 47 1-2
ISK XII 08 14 43 54.3 36.23N 26.94E 89–0 2.5L **¶636235746**
AFAD XII 08 14 43 54.4 36.29N 26.96E 85–1 2.4L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 09 15 06 44.9–1.1 36.52N–.02 28.78E–.02 12–9 126 0-5
ATH XII 09 15 06 41.5 36.48N 29.01E 8–2 3.6L **¶621824401**
ISK XII 09 15 06 44.4 36.52N 28.78E 19–0 3.5L
AFAD XII 09 15 06 44.6 36.47N 28.76E 7–3 3.6W
THE XII 09 15 06 45.7 37N–2.0 29E–2.0 10–3 4.1b,3.6
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/09 15:08:07, This location: 2021/12/09 15:13:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 2 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 12 08 22 19.7–1.0 37.76N–.02 25.85E–.02 11–9 62 1-2
AFAD XII 12 08 22 18.8 37.72N 25.83E 5–4 2.3L **¶621824543**
ATH XII 12 08 22 19.6 37.72N 25.87E 18–2 2.7L
THE XII 12 08 22 20.4 38N–1.0 26E–2.0 12–2 2.4,2.4
ISK XII 12 08 22 20.2 37.78N 25.84E 10–0 2.5L,2.4
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/12 08:23:54, This location: 2021/12/12 08:45:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISC XII 17 23 37 39.2–.94 36.04N–.02 27.61E–.02 16–8 123 0-3
ISK XII 17 23 37 38.6 36.05N 27.57E 9–0 3.0L **¶621824824**
ATH XII 17 23 37 38.9 36.02N 27.62E 16–2 2.8L
THE XII 17 23 37 39.6 36N–2.0 28E–2.0 8–3 2.7,2.7
AFAD XII 17 23 37 41.1 36.15N 27.68E 27–0 3.9W,2.7
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/12/17 23:38:14, This location: 2021/12/18 01:48:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
AFAD XII 13 20 36 14.8 37.82N 26.44E 7–2 1.7L ¶636235737
AFAD Event type se. Presumed earthquake.
ISK XII 13 20 36 33.9 36.92N 27.67E 1–0 1.2L ¶621824607
ISK Event type ke.
ISC XII 18 06 45 12.4–.88 36.47N–.02 27.18E–.02 11–6 3.2b 107 0-28
ISK XII 18 06 45 11.5 36.45N 27.17E 5–0 3.4L **¶621656979**
IDC XII 18 06 45 11.4–1.2 36.52N 27.09E 0 3.5L,3.4b
ATH XII 18 06 45 12.4 36.48N 27.17E 7–1 3.3L,3.4b
THE XII 18 06 45 12.7 36N–6.0 27E–6.0 0–17 3.3,3.3
AFAD XII 18 06 45 13.9 36.52N 27.24E 7–3 3.2L,3.3
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=12.9km az=36.0.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/18 06:45:45, This location: 2021/12/18 06:58:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC XII 23 16 39 29.2–.97 37.83N–.02 26.96E–.03 11–9 53 0-3
ISK XII 23 16 39 28.5 37.82N 26.94E 8–0 2.7L **¶621825163**
AFAD XII 23 16 39 29.0 37.83N 26.99E 7–2 2.4L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 20 15 32 23.0–.85 36.94N–.02 27.34E–.02 10–6 69 0-2
ISK XII 20 15 32 22.7 36.94N 27.34E 6–0 2.6L **¶621824962**
ATH XII 20 15 32 22.3 36.98N 27.42E 6–2 2.6L
AFAD XII 20 15 32 22.3 36.91N 27.31E 6–2 2.6L
THE XII 20 15 32 23.3 37N–14 27E–15 13–17 2.7,2.7
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Kalamatas First location: 2021/12/20 15:34:21, This location: 2021/12/20 16:01:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC XII 25 02 58 09.7–1.6 37.73N–.05 26.81E–.05 1–16 17 0-1
ISK XII 25 02 58 10.4 37.63N 26.77E 15–0 1.3L **¶636235731**
AFAD XII 25 02 58 11.4 37.84N 26.82E 7–1 1.1L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH XII 25 02 59 05.1 36.51N 25.53E 11–1 1.3L ¶621825272
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/12/25 05:49:14, This location: 2021/12/25 05:51:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC XII 26 20 46 10.7–.81 36.94N–.02 27.30E–.02 17–5 87 0-3
ISK XII 26 20 46 10.5 36.92N 27.26E 6–0 3.1L **¶621825365**
THE XII 26 20 46 11.3 37N–1.0 27.3E–1.0 12–2 3.0,3.0
ATH XII 26 20 46 11.0 36.95N 27.31E 6–1 3.2L,3.0
AFAD XII 26 20 46 11.5 36.92N 27.29E 7–2 2.9L,3.0
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/26 20:47:23, This location: 2021/12/26 20:52:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC XII 25 12 19 41.7–.54 36.56N–.03 27.09E–.03 134–5 4.2b 426 0-126
NAO XII 25 12 19 31.4 36.60N 27.02E 33 3.8b **¶621653368**
AFAD XII 25 12 19 40.6 36.26N 26.87E 44–6 3.8W
ISK XII 25 12 19 42.2 36.63N 27.04E 130–0 3.7L
NEIC XII 25 12 19 42.3–1.1 36.59N–.06 27.07E–.07 137–7 4.3b
THE XII 25 12 19 43.6 37N–2.0 27E–3.0 122–5 4.0,4.0
ATH XII 25 12 19 43.2 36.59N 27.07E 124–1 3.9L,4.0
IDC XII 25 12 19 43.5–1.9 36.67N 27.01E 147–16 4.1,3.7b
ISC Event type ke.

NAO Event type se. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.3km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/12/25 12:20:51, This location: 2021/12/25 12:41:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=19.4km s-min=10.8km az=171.0.

ISC	**XII**	**30 18 51 27.5–.84**	**37.85N–.02**	**26.94E–.02**	**12–6**		**59**	**0-2**
ISK	XII	30 18 51 27.3	37.87N	26.95E	5–0	2.4L	**¶621816605**	
AFAD	XII	30 18 51 27.2	37.85N	26.93E	7–1	2.6L		
THE	XII	30 18 51 27.4	37.9N–.90	27E–1.0	10–2	2.8,2.8		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISK	**XII**	**26 21 19 59.9**	**36.90N**	**27.26E**	**5–0**	**1.8L**		
							¶621825368	

ISK Event type ke.

ISC	**XII**	**29 10 11 16.5–.86**	**37.83N–.02**	**26.97E–.02**	**9–7**		**85**	**0-4**
ISK	XII	29 10 11 15.9	37.83N	26.96E	9–0	2.7L	**¶621816516**	
AFAD	XII	29 10 11 16.3	37.82N	26.97E	7–2	3.0L		
THE	XII	29 10 11 16.4	37.8N–1.0	27E–1.0	2–1	2.9,2.9		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

(370) Crete.

ISC	**VII**	**01 19 46 15.6–1.5**	**34.53N–.06**	**23.35E–.04**	**31–10**	**3.6b,3.4s**	**106**	**1-99**
ISK	VII	01 19 46 12.7	34.45N	23.14E	74–0	3.4L,3.4s	**¶620927691**	
IDC	VII	01 19 46 13.7–1.1	34.78N	23.49E	0	3.7b,3.6		
ATH	VII	01 19 46 15.5	34.52N	23.36E	15–2	3.4L,3.6		
THE	VII	01 19 46 20.2	35N–3.0	24E–2.0	17–2	3.2,3.2		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/01 19:47:26, This location: 2021/07/01 20:10:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.

ISC	**VII**	**02 19 46 08.0–.75**	**35.16N–.02**	**25.24E–.01**	**13–4**	**4.2b,3.0s**	**560**	**0-94**
ISK	VII	02 19 46 06.6	35.12N	25.23E	10–0	4.1L,3.0s	**¶620733147**	
NEIC	VII	02 19 46 07.6–1.9	35.14N–.07	25.25E–.04	10–2	4.2b,3.0s		
IDC	VII	02 19 46 07.4–.61	35.29N	25.21E	0	4.1b,4.0		
THE	VII	02 19 46 08.0	35N–1.0	25.2E–.70	12–1	4.2,4.2		
ATH	VII	02 19 46 08.3	35.18N	25.24E	13–0	4.1L,4.2		
GII	VII	02 19 46 08.7–.00	34.891N–.00	25.501E–.00	0–0	4.2,4.2		
GFZ	VII	02 19 46 08.5–.26	35N–3.0	25E–2.0	10	4.2b,4.2		
AFAD	VII	02 19 46 11.0	35.21N	25.15E	36–303	4.0W,4.2		

ISC Event type ke.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.4km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.9km s-min=7.4km az=12.0.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/07/02 19:47:11, This location: 2021/07/02 20:14:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**02 20 30 06.6–.84**	**35.13N–.02**	**25.25E–.01**	**15–5**		**185**	**0-7**
ISK	VII	02 20 30 05.9	35.19N	25.24E	14–0	3.6L	**¶621193941**	
THE	VII	02 20 30 06.9	35N–1.0	25.2E–.80	13–1	3.6,3.6		
ATH	VII	02 20 30 07.1	35.13N	25.23E	9–0	3.5L,3.6		
AFAD	VII	02 20 30 17.0	35.43N	26.19E	23–24	3.7W,3.6		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/07/02 20:31:10, This location: 2021/07/03 02:29:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**05 20 40 30.9–.70**	**35.18N–.02**	**25.24E–.01**	**15–4**	**4.2b,3.1s**	**577**	**0-92**
IDC	VII	05 20 40 28.9–.54	35.24N	25.21E	0	4.2b,4.1	**¶620734239**	
GFZ	VII	05 20 40 29.9	35.02N	25.22E	10	4.2W,4.1		
NEIC	VII	05 20 40 29.7–1.7	35.18N–.07	25.24E–.04	6–4	4.3b,4.1		
ISK	VII	05 20 40 29.5	35.18N	25.23E	6–0	4.1L,4.1		
THE	VII	05 20 40 30.2	35N–1.0	25.2E–.80	11–1	4.1,4.1		
ATH	VII	05 20 40 30.0	35.16N	25.25E	16–0	4.2L,4.1		
GFZ	VII	05 20 40 30.9–.24	35N–3.0	25E–2.0	10	4.3b,4.2		
BEO	VII	05 20 40 31.7–.80	34.95N	24.65E	15	3.7L,4.2		
AFAD	VII	05 20 40 37.0	35.96N	25.55E	6–13	3.9W,4.2		

ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=7.3km az=9.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.08 $M_{\theta\theta}$0.63 $M_{\phi\phi}$1.45 $M_{r\theta}$0.63 $M_{\theta\phi}$1.11 $M_{\phi r}$-0.03 NP1: ϕ_s228.66083°,δ51.17503°,λ-71.76300°. NP2:ϕ_s20.93602°,δ42.27433°,λ-111.25017°. Principal axes: T 2.2563,Plg4.5826°,Azm305.8344°; N -0.0121,Plg14.1113°,Azm36.9890° ; P -2.2442,Plg75.1337°,Azm198.2599° M_o2.25029×10^{15}
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=3.3km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/07/05 20:41:32, This location: 2021/08/23 19:46:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BEO Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**09 17 53 43.3–2.6**	**34.1N–.10**	**26.03E–.07**	**31–13**	**3.7b**	**18**	**1-44**
THE	VII	09 17 53 46.3	34N–8.0	26E–4.0	20–17	2.5,2.5	**¶620928276**	
IDC	VII	09 17 53 46.6–2.8	35.30N	26.19E	0	3.8b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=67.0km s-min=14.4km az=168.0.

ISC	**VII**	**10 01 53 23.9–.78**	**35.16N–.03**	**25.25E–.02**	**15–5**	**3.5b**	**178**	**0-45**
IDC	VII	10 01 53 22.2–1.6	35.18N	25.17E	0	3.5b,3.4	**¶620928303**	
ATH	VII	10 01 53 23.6	35.14N	25.25E	10–1	3.4L,3.4		
THE	VII	10 01 53 23.8	35.1N–.80	25.3E–.70	9–1	3.5,3.5		
ISK	VII	10 01 53 23.0	35.18N	25.24E	6–0	3.4L,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=9.9km az=11.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/10 01:54:34, This location: 2021/07/10 02:08:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**VII**	**11 14 02 46.5–.80**	**35.10N–.03**	**24.15E–.02**	**28–6**	**3.3b**	**60**	**0-44**
THE	VII	11 14 02 46.5	35.1N–.70	24.1E–.80	30–1	3.6,3.6	**¶620928428**	
ATH	VII	11 14 02 46.9	35.10N	24.17E	15–0	3.2L,3.6		
IDC	VII	11 14 02 52.5–7.7	35.14N	24.07E	102–55	3.3,2.9b		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/11 14:04:13, This location: 2021/07/12 05:45:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=93.7km s-min=25.2km az=179.0.

ISC	**VII**	**13 03 35 16.3–.78**	**35.17N–.03**	**25.23E–.02**	**14–5**	**3.8b**	**119**	**0-78**
ATH	VII	13 03 35 15.6	35.16N	25.24E	15–1	3.7L	**¶620928516**	
ISK	VII	13 03 35 15.6	35.22N	25.24E	4–0	3.4L		
IDC	VII	13 03 35 15.7–.71	35.41N	25.11E	0	3.9b,3.8		
THE	VII	13 03 35 16.2	35N–1.0	25.2E–.80	10–1	3.7,3.7		

ISC Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/07/13 03:36:26, This location: 2021/07/13 03:39:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**VII**	**13 06 40 18.8–.92**	**35.15N–.04**	**25.22E–.02**	**12–7**		**73**	**0-5**
ATH	VII	13 06 40 18.7	35.15N	25.21E	11–2	3.2L	**¶621800019**	
THE	VII	13 06 40 18.7	35N–1.0	25.2E–.70	8–3	3.1,3.1		

ISC Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/13 06:41:29, This location: 2021/07/13 07:09:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 0 km.

ISC	**VII**	**13 22 22 58.0–.88**	**35.16N–.03**	**25.23E–.02**	**11–6**		**79**	**0-44**
ATH	VII	13 22 22 57.2	35.16N	25.23E	16–0	2.8L	**¶620928567**	
THE	VII	13 22 22 57.6	35N–1.0	25E–1.0	10–1	2.8,2.8		
IDC	VII	13 22 22 58.1–1.8	35.10N	25.07E	0	3.6b,3.1L		

ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/07/13 22:24:11, This location: 2021/07/13 22:27:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=74.2km s-min=25.1km az=138.0.

ISC	**VII**	**13 22 43 59.0–.93**	**35.14N–.03**	**25.23E–.02**	**10–7**		**81**	**0-44**
THE	VII	13 22 43 58.9	35N–1.0	25.2E–.80	8–1	3.1,3.1	**¶620928568**	
ATH	VII	13 22 43 58.5	35.14N	25.24E	13–0	3.1L,3.1		
IDC	VII	13 22 43 58.4–1.8	35.12N	25.16E	0	3.7L,3.6b		

ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/07/13 22:45:04, This location: 2021/07/13 22:54:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=77.2km s-min=29.7km az=132.0.

ISC	**VII**	**15 19 25 16.3–.80**	**34.00N–.06**	**25.80E–.04**	**42–8**	**3.8b,2.8s**	**178**	**1-87**
IDC	VII	15 19 25 11.1–1.0	34.11N	25.78E	0	3.9b,3.9	**¶620831303**	
GII	VII	15 19 25 15.6–.00	33.885N–.00	26.112E–.00	0	3.5,3.9		
ATH	VII	15 19 25 15.5	34.24N	25.67E	5–2	3.3L,3.9		
THE	VII	15 19 25 16.5	34N–4.0	26E–4.0	7–12	3.2,3.2		

ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/15 19:26:24, This location: 2021/07/15 19:46:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.

ISC	**VII**	**16 14 15 29.7–1.9**	**34.43N–.08**	**23.60E–.05**	**17–8**	**3.8b,3.1s**	**54**	**1-80**
IDC	VII	16 14 15 26.4–1.3	34.53N	23.63E	0	3.8b,3.7	**¶620928665**	
ATH	VII	16 14 15 33.5	34.59N	23.75E	20–1	3.0L,3.7		
THE	VII	16 14 15 34.2	35N–2.0	24E–1.0	13–2	3.0,3.0		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/07/16 14:16:59, This location: 2021/07/16 14:24:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**VII**	**16 21 55 53.0–1.0**	**34.31N–.08**	**23.66E–.05**	**21–4**	**3.6b**	**96**	**1-61**
IDC	VII	16 21 55 51.0–1.3	34.38N	23.74E	0	3.7b,3.6	**¶620928732**	
ATH	VII	16 21 55 58.2	34.63N	23.70E	27–2	2.9L,3.6		
THE	VII	16 21 55 58.2	35N–2.0	24E–2.0	14–1	2.9,2.9		

ISC Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/16 21:57:24, This location: 2021/07/16 22:08:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 1 km.

ISC	**VII**	**17 21 02 53.7–1.6**	**34.17N–.06**	**25.17E–.03**	**14–9**	**3.8b**	**94**	**1-46**
IDC	VII	17 21 02 50.9–2.4	34.18N	24.86E	0	3.9b,3.8L	**¶620928789**	
ATH	VII	17 21 02 53.6	34.18N	25.18E	12–3	3.2L,3.8L		
ISK	VII	17 21 02 53.4	34.17N	25.17E	7–0	3.1L,3.8L		
THE	VII	17 21 02 56.5	34N–5.0	25E–2.0	4–5	3.1,3.1		
AFAD	VII	17 21 03 01.4	34.42N	25.63E	8–4	2.9L,3.1		

ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=12.7km az=53.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/17 21:04:36, This location: 2021/07/17 21:13:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

THE	**VII**	**18 01 22 43.4**	**35N–3.0**	**24E–4.0**	**15–1**	**2.4,2.4**		
ATH	VII	18 01 22 38.4	34.70N	23.46E	34–2	2.7L,2.4	**¶621800073**	

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/18 01:24:01, This location: 2021/07/18 02:56:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**VII**	**18 01 27 25.8–1.2**	**34.72N–.07**	**23.53E–.05**	**41–11**	**4.1s,3.8b**	**150**	**0-80**
ATH	VII	18 01 27 25.8	34.71N	23.43E	25–2	3.5L,3.8b	**¶620833935**	
IDC	VII	18 01 27 25.6–3.3	34.92N	23.54E	25–17	4.0s,3.8b		
ISK	VII	18 01 27 26.4	34.74N	23.62E	60–0	3.3L,3.8b		
AFAD	VII	18 01 27 29.2	34.78N	23.98E	6–5	3.1L,3.8b		
THE	VII	18 01 27 29.6	35N–4.0	24E–2.0	23–3	3.4,3.4		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/18 01:28:34, This location: 2021/07/18 01:35:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**18 04 56 54.1–.75**	**35.14N–.03**	**25.23E–.01**	**10–4**	**4.2b**	**366**	**0-85**
IDC	VII	18 04 56 53.0–.79	35.31N	25.15E	0	4.2b,4.0	**¶620833933**	
ATH	VII	18 04 56 53.5	35.17N	25.23E	17–0	4.0L,4.0		
ISK	VII	18 04 56 53.0	35.19N	25.24E	3–0	3.8L,4.0		
MOS	VII	18 04 56 53.1–1.4	35.10N	25.17E	8	4.4b,4.0		
NEIC	VII	18 04 56 54.1–2.4	35.07N–.05	25.14E–.07	10–1	4.4b,4.0		
THE	VII	18 04 56 54.1	35.2N–.90	25.2E–.60	10–0	3.9,3.9		
MED_R	VII	18 04 56 54.0	35.08N	25.20E	15	4.2W,3.9		
GFZ	VII	18 04 56 55.1–.32	35N–3.0	25E–2.0	10	4.2b,4.0		
AFAD	VII	18 04 56 57.1	35.23N	25.32E	5–5	3.8W,4.0		

ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=9.4km az=8.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/07/18 04:57:57, This location: 2021/07/18 05:01:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
MOS Error ellipse: s-maj=7.1km s-min=4.0km az=89.6.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=3.0km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}0.58±.30 $M_{\theta\theta}$0.42±.28; $M_{\phi\phi}$0.00±.28; $M_{r\theta}$0.50±.76; $M_{\theta\phi}$2.29±.19; $M_{\phi r}$-0.70±.54; NP1: ϕ_s278.00000°,δ80.00000°,λ-10.00000°. NP2:ϕ_s9.00000°,δ81.00000°,λ-170.00000°. Principal axes: T 2.1100,Plg1.0000°,Azm143.0000°; N 0.7900,Plg76.0000°,Azm51.0000° ; P -2.9000,Plg14.0000°,Azm234.0000° M_o2.50000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**20 17 44 14.8–.67**	**35.14N–.02**	**25.23E–.01**	**11–4**	**4.2b,3.7s**	**617**	**0-118**
MOS	VII	20 17 44 13.2–1.4	35.04N	25.18E	13	4.4b,3.7s	**¶620844191**	
ISK	VII	20 17 44 14.8	35.14N	25.22E	12–0	4.1L,3.7s		
IDC	VII	20 17 44 14.2–.57	35.28N	25.21E	0	4.3b,4.1		
ATH	VII	20 17 44 15.2	35.17N	25.23E	13–0	4.1L,4.1		
THE	VII	20 17 44 15.6	35.1N–.90	25.2E–.60	10–1	4.1,4.1		
NEIC	VII	20 17 44 15.1–1.6	35.10N–.05	25.21E–.06	12–4	4.2b,4.1		
PDG	VII	20 17 44 15.0–1.4	35.34N	25.26E	13–5	4.4L,4.1		
GFZ	VII	20 17 44 16.3	35.02N	25.23E	12	4.0W,4.1		
GFZ	VII	20 17 44 16.7–.27	35N–3.0	25E–2.0	10	4.3b,4.2		
AFAD	VII	20 17 44 17.9	35.30N	25.26E	6–4	3.9W,4.2		
GII	VII	20 17 44 17.7–.00	34.709N–.00	25.417E–.00	0	4.3,4.2		

ISC Event type ke.
ISK Event type ke.

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/20 17:45:25, This location: 2021/07/20 18:01:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.03 $M_{\theta\theta}$0.28 $M_{\phi\phi}$0.31 $M_{r\theta}$-0.22 $M_{\theta\phi}$1.20 $M_{\phi r}$0.24 NP1: ϕ_s173.90141°,δ81.78647°,λ-168.01962°. NP2:ϕ_s82.16501°,δ78.14430°,λ-8.39384°. Principal axes: T 1.2506,Plg2.5364°,Azm307.7205°; N 0.0549,Plg75.5085°,Azm207.8518° ; P -1.3055,Plg14.2582°,Azm38.3655° $M_0$1.27890×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**VII**	**21 15 11 28.0–.61**	**34.20N–.05**	**26.24E–.03**	**21–3**	**4.0b**	**191**	**1-93**
ISK	VII	21 15 11 26.2	34.14N	26.23E	4–0	3.4L		¶620961664
IDC	VII	21 15 11 26.4–.86	34.34N	26.18E	0	4.1b,4.0		
ATH	VII	21 15 11 28.6–.32	34.21N	26.27E	10	3.4L,4.0		
THE	VII	21 15 11 32.2	34N–3.0	26E–2.0	9–3	3.1,3.1		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/21 15:13:00, This location: 2021/07/21 21:24:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.

ISC	**VII**	**22 15 47 32.5–.80**	**35.14N–.03**	**25.24E–.02**	**18–3**	**3.5b**	**102**	**0-45**
IDC	VII	22 15 47 31.4–1.3	35.28N	25.18E	0	3.5b,3.4		¶620967836
ATH	VII	22 15 47 32.9	35.16N	25.24E	14–0	3.3L,3.4		
THE	VII	22 15 47 33.5	35N–1.0	25.2E–.50	4–1	3.4,3.4		

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/22 15:48:48, This location: 2021/07/22 20:25:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**VII**	**22 17 10 23.0–.82**	**35.16N–.03**	**25.25E–.02**	**16–5**	**3.5b**	**82**	**0-80**
IDC	VII	22 17 10 20.4–1.2	35.09N	25.08E	0	3.7b,3.6		¶620967839
ATH	VII	22 17 10 22.7	35.15N	25.26E	14–0	3.3L,3.6		
THE	VII	22 17 10 23.2	35N–2.0	25.3E–.80	0–1	3.3,3.3		

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/22 17:11:34, This location: 2021/07/22 20:51:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**VII**	**23 19 56 08.7–1.2**	**34.42N–.04**	**25.38E–.02**	**13–7**	**3.7b**	**192**	**1-45**
IDC	VII	23 19 56 08.7–.93	34.71N	25.37E	0	3.9b,3.7		¶620967937
ISK	VII	23 19 56 09.3	34.50N	25.34E	6–0	3.5L,3.7		
THE	VII	23 19 56 10.2	34N–2.0	25E–1.0	0–1	3.6,3.6		
ATH	VII	23 19 56 10.8	34.51N	25.35E	8–0	3.6L,3.6		
AFAD	VII	23 19 56 15.0	34.45N	25.62E	48–154	3.5L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=17.5km s-min=8.3km az=21.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/07/23 19:57:19, This location: 2021/07/23 20:43:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**24 02 07 37.8–.45**	**35.16N–.02**	**25.23E–.01**	**12–2**	**5.3b,4.0s**	**1577**	**0-153**
BEO	VII	24 02 07 34.1–.60	34.55N	24.70E	10	4.5L,4.0s		¶621112263
MOS	VII	24 02 07 35.8–1.1	35.04N	25.28E	11	5.5b,4.0s		
GII	VII	24 02 07 35.5–.00	35.13N	25.23E	0	5.0,4.0s		
ISK	VII	24 02 07 36.8	35.16N	25.21E	9–0	4.9L,4.0s		
IDC	VII	24 02 07 36.3–.41	35.22N	25.22E	0	5.0b,4.9		
BJI	VII	24 02 07 36.0	35.10N	25.20E	10	5.4b,5.2b		
THE	VII	24 02 07 37.5	35N–1.0	25.2E–.60	10–1	4.8,4.8		
ATH	VII	24 02 07 37.6	35.14N	25.23E	13–0	4.8L,4.8		
MCSM	VII	24 02 07 37.9–.20	35N–2.0	25E–2.0	10	5.2,5.2b		
NEIC	VII	24 02 07 38.2	35.19N	25.23E	10	5.2,5.2b		
MED_R	VII	24 02 07 38.0	35.13N	25.23E	14	4.9W,5.2b		
NEIC	VII	24 02 07 38.2–2.5	35.19N–.06	25.23E–.03	10–1	5.3b,4.7		
GFZ	VII	24 02 07 38.8–.20	35N–2.0	25E–1.0	10	5.1b,4.8b		
NAO	VII	24 02 07 39.6	35.08N	24.47E	33	4.3b,4.8b		
GCMT	VII	24 02 07 40.0–.40	35.07N–.03	24.85E–.03	24–1	5.1W,4.8b		
AFAD	VII	24 02 07 41.4	35.45N	25.22E	6–5	4.6W,4.8b		

ISC Event type ke.
BEO Event type ke.
MOS Error ellipse: s-maj=5.2km s-min=2.6km az=82.8.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
IDC Error ellipse: s-maj=10.2km s-min=6.8km az=7.0.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/07/24 02:08:36, This location: 2021/07/24 02:57:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-2.54±.17 $M_{\theta\theta}$0.68±.10; $M_{\phi\phi}$0.00±.10; $M_{r\theta}$-1.16±.18; $M_{\theta\phi}$1.46±.08; $M_{\phi r}$-0.01±.14; NP1: ϕ_s195.00000°,δ41.00000°,λ-120.00000°. NP2:ϕ_s53.00000°,δ55.00000°,λ-66.00000°. Principal axes: T 2.9200,Plg7.0000°,Azm126.0000°; N 0.0300,Plg19.0000°,Azm219.0000° ; P -2.9600,Plg69.0000°,Azm17.0000° $M_0$2.94000×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=2.8km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.21 $M_{\theta\theta}$0.17 $M_{\phi\phi}$1.04 $M_{r\theta}$-0.07 $M_{\theta\phi}$1.09 $M_{\phi r}$0.36 NP1:ϕ_s196.83000°,δ52.72000°,λ-114.08000°. NP2:ϕ_s53.25000°,δ43.41000° ,λ-61.81000°. Principal axes: T 1.8005,Plg5.0000°,Azm304.0000°; N -0.4762,Plg19.0000° ,Azm212.0000°; P -1.3243,Plg70.0000°,Azm48.0000° $M_0$1.62000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107240207A. Moment Tensor Solution. s17,c19; s84,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.55±.41 $M_{\theta\theta}$1.22±.24; $M_{\phi\phi}$3.33±.26; $M_{r\theta}$0.05±.34; $M_{\theta\phi}$2.11±.14; $M_{\phi r}$1.82±.29; Best double couple: NP1:ϕ_s42.00000°,δ36.00000° ,λ-73.00000°. NP2:ϕ_s201.00000°,δ55.00000°,λ-102.00000°. Principal axes: T 4.9010,Plg10.0000°,Azm300.0000°; N 0.0780,Plg10.0000°,Azm208.0000° ; P -4.9790,Plg76.0000°,Azm73.0000° $M_0$4.94000×10^{16}
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**24 02 32 52.5–.77**	**35.16N–.03**	**25.24E–.01**	**13–5**	**4.0b**	**165**	**0-78**
NEIC	VII	24 02 32 50.8–.90	34.95N–.05	25.08E–.04	10–1	4.1b		¶621800176
IDC	VII	24 02 32 50.6–1.0	35.22N	25.21E	0	4.0b,3.8		
ISK	VII	24 02 32 51.7	35.12N	25.23E	5–0	3.5L,3.8		
ATH	VII	24 02 32 52.9	35.15N	25.24E	8–1	3.5L,3.8		
THE	VII	24 02 32 52.7	35N–1.0	25.2E–.70	9–1	3.5,3.5		
AFAD	VII	24 02 32 55.7	35.42N	25.24E	6–3	3.9W,3.5		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.4km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=9.3km az=16.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/24 02:34:28, This location: 2021/07/24 04:33:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**24 04 16 19.1–.82**	**35.17N–.03**	**25.24E–.02**	**11–6**		**69**	**0-28**
THE	VII	24 04 16 19.0	35N–1.0	25.3E–.50	11–2	3.1,3.1		¶620970195
ATH	VII	24 04 16 18.9	35.15N	25.25E	10–0	3.0L,3.1		
IDC	VII	24 04 16 19.1–2.4	35.12N	24.96E	0	3.1L,3.1b		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/24 04:17:34, This location: 2021/07/24 04:49:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=25.0km s-min=16.8km az=168.0.

ISC	**VII**	**24 16 23 13.1–1.0**	**35.16N–.02**	**25.24E–.01**	**3–8**	**3.8b**	**118**	**0-77**
THE	VII	24 16 23 12.9	35.2N–.90	25.2E–.50	7–2	3.3,3.3		¶620970232
IDC	VII	24 16 23 12.8–1.2	34.90N	25.37E	0	3.8b,3.6		
ATH	VII	24 16 23 13.0	35.17N	25.24E	6–1	3.4L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=15.7km az=5.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/24 16:24:29, This location: 2021/07/24 16:43:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	**VII**	**25 03 59 52.7–.78**	**35.17N–.03**	**25.25E–.02**	**13–5**	**3.5b**	**65**	**0-45**
IDC	VII	25 03 59 51.3–1.4	35.16N	25.15E	0	3.6b,3.5		¶620973742
ATH	VII	25 03 59 52.6	35.18N	25.26E	12–0	3.2L,3.5		
THE	VII	25 03 59 52.8	35.2N–.90	25.3E–.50	10–2	3.3,3.3		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/25 04:00:56, This location: 2021/07/25 04:37:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**VII**	**24 21 56 54.9–.80**	**35.12N–.02**	**25.22E–.01**	**11–5**	**3.9b**	**230**	**0-78**
IDC	VII	24 21 56 54.0–1.1	35.22N	25.14E	0	3.8b,3.7		¶620845804
ATH	VII	24 21 56 54.6	35.16N	25.22E	11–3	3.7L,3.7		
ISK	VII	24 21 56 54.5	35.07N	25.17E	7–0	3.6L,3.7		
THE	VII	24 21 56 55.3	35N–1.0	25.2E–.70	9–1	3.6,3.6		
NEIC	VII	24 21 56 55.1–1.1	35.09N–.06	25.17E–.01	9–6	4.0b,3.6		
AFAD	VII	24 21 57 02.0	35.35N	25.33E	35–312	3.3L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=8.9km az=12.0.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/07/24 21:58:06, This location: 2021/07/25 00:24:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=1.2km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**25 06 27 09.3–.84**	**34.48N–.07**	**23.46E–.04**	**20–5**	**3.4b**	**85**	**1-45**
GII	VII	25 06 27 06.1–.00	34.60N	23.60E	0	3.7		¶620973751
IDC	VII	25 06 27 07.6–1.5	34.55N	23.59E	0	3.6b,3.4		
ATH	VII	25 06 27 11.3	34.54N	23.56E	17–1	3.3L,3.4		
THE	VII	25 06 27 12.3	35N–2.0	24E–2.0	18–2	3.3,3.3		

ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/25 06:28:19, This location: 2021/07/25 07:39:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

ISC	**VII**	**25 19 33 53.8–.81**	**35.16N–.03**	**25.25E–.02**	**12–5**		**64**	**0-44**
IDC	VII	25 19 33 52.9–1.6	35.33N	25.11E	0	3.6b,3.4		¶620973791
THE	VII	25 19 33 54.0	35.2N–1.0	25.3E–.50	9–1	3.0,3.0		
ATH	VII	25 19 33 53.3	35.16N	25.26E	14–1	3.0L,3.0		

ISC Event type ke.
IDC Error ellipse: s-maj=63.0km s-min=24.5km az=138.0.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/07/25 19:35:51, This location: 2021/07/25 20:00:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**VII**	**27 07 54 59.3–.80**	**35.17N–.02**	**25.24E–.02**	**13–5**	**3.5b**	**99**	**0-45**
IDC	VII	27 07 54 57.9–1.4	35.16N	25.16E	0	4.0L,3.5b		¶620978950
THE	VII	27 07 54 59.2	35N–1.0	25.3E–.50	10–2	3.0,3.0		
ATH	VII	27 07 54 59.1	35.15N	25.25E	13–0	3.1L,3.0		

ISC Event type ke.
IDC Error ellipse: s-maj=17.1km s-min=12.0km az=144.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/07/27 07:56:15, This location: 2023/04/09 12:28:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ATH	**VII**	**29 05 18 54.6**	**34.48N**	**25.63E**	**18–3**	**3.2L**		
GII	VII	29 05 18 42.5–.00	34.560N–.00	25.440E–.00	0	3.3		¶621800287
THE	VII	29 05 18 56.5	35N–3.0	26E–1.0	14–4	3.1,3.1		

ATH Event type ke. Manual Solution by A.Moschou First location: 2021/07/29 05:20:32, This location: 2021/07/29 05:26:46 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**VII**	**30 17 24 36.1–.83**	**35.15N–.03**	**25.89E–.01**	**10–6**	**4.0b**	**103**	**0-43**
IDC	VII	30 17 24 34.6–1.0	35.14N	25.85E	0	3.7b,3.5		¶620986080
ISK	VII	30 17 24 35.1	35.18N	25.88E	5–0	3.1L,3.5		
ATH	VII	30 17 24 35.6	35.12N	25.88E	10–1	3.2L,3.5		
THE	VII	30 17 24 36.3	35N–2.0	25.9E–.90	1–2	3.1,3.1		
AFAD	VII	30 17 24 42.2	35.93N	26.08E	6–4	2.4L,3.1		

ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=11.4km az=4.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/07/30 17:25:47, This location: 2021/07/30 17:29:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**VII**	**30 22 21 26.9–.82**	**35.45N–.02**	**25.61E–.02**	**24–6**	**3.3b**	**156**	**0-43**
IDC	VII	30 22 21 23.8–1.3	35.60N	25.57E	0	4.1s,3.4b		¶620986096
ISK	VII	30 22 21 26.0	35.48N	25.62E	16–0	3.0L,3.4b		
ATH	VII	30 22 21 26.9	35.44N	25.62E	26–1	3.4L,3.4b		
THE	VII	30 22 21 27.1	35N–2.0	26E–1.0	20–2	3.3,3.3		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/30 22:22:32, This location: 2021/07/31 04:35:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**VIII**	**01 06 56 02.8–.87**	**35.14N–.03**	**25.21E–.02**	**12–6**	**3.9b**	**61**	**0-45**
IDC	VIII	01 06 56 02.0–1.4	35.20N	25.14E	0	3.8b,3.6		¶621367136
ISK	VIII	01 06 56 01.2	35.05N	25.21E	3–0	3.1L,3.6		
THE	VIII	01 06 56 02.8	35N–1.0	25.3E–.90	10–3	3.2,3.2		

ISC Event type ke.
ISK Event type ke.

ISC	**VII**	**31 04 39 25.3–1.8**	**34.45N–.07**	**26.61E–.04**	**9–9**	**3.7b**	**77**	**1-101**
IDC	VII	31 04 39 16.9–4.7	33.80N	27.00E	0	3.8b,3.6		¶620986106
ISK	VII	31 04 39 26.8	34.50N	26.57E	13–0	3.1L,3.6		
ATH	VII	31 04 39 26.0	34.51N	26.63E	7–2	3.2L,3.6		
THE	VII	31 04 39 28.5	35N–4.0	27E–3.0	0–5	3.1,3.1		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/31 04:41:00, This location: 2021/07/31 05:58:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.

ISC	**VII**	**31 18 54 46.3–1.3**	**34.46N–.05**	**26.73E–.02**	**11–8**	**3.7b**	**193**	**1-93**
IDC	VII	31 18 54 45.5–.83	34.50N	26.49E	0	3.8b,3.7		¶620986143
GII	VII	31 18 54 46.6–.00	34.401N–.00	26.789E–.00	0	4.0,3.7		
ATH	VII	31 18 54 48.7	34.55N	26.65E	12–4	3.6L,3.7		
THE	VII	31 18 54 49.8	35N–4.0	27E–3.0	4–7	3.4,3.4		
ISK	VII	31 18 54 50.8	34.66N	26.51E	22–0	3.4L,3.4		
AFAD	VII	31 18 54 52.0	34.37N	26.88E	30–417	3.1L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=9.9km az=25.0.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/07/31 18:56:08, This location: 2021/07/31 19:02:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 6 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

THE	**VIII**	**02 09 51 41.0**	**35.1N–.70**	**25.2E–.60**	**11–2**	**2.1,2.1**		¶621800328
ISC	**VIII**	**01 00 44 45.1–1.8**	**34.65N–.08**	**23.61E–.05**	**26–10**		**95**	**0-45**
IDC	VIII	01 00 44 38.8–6.0	34.20N	23.79E	0	3.5b,3.3		¶620986162

THE VIII 01 00 44 44.4 35N–9.0 24E–5.0 18–26 3.0,3.0
ATH VIII 01 00 44 45.0 34.65N 23.63E 28–1 3.0L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=104.0km s-min=46.9km az=19.0.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/01 00:46:02, This location: 2021/08/01 00:50:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ATH VIII 04 22 14 17.7 35.17N 25.21E 16–0 2.1L
¶621368406
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/08/04 22:15:34, This location: 2021/08/05 05:55:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISC VIII 03 10 51 20.8–1.1 35.34N–.06 26.86E–.03 7–8 3.4b 68 0-58
ATH VIII 03 10 51 19.6 35.24N 26.95E 7–1 3.4L **¶620995875**
ISK VIII 03 10 51 19.2 35.23N 26.95E 8–0 3.2L
THE VIII 03 10 51 21.1 35N–5.0 27E–2.0 0–3 3.3,3.3
IDC VIII 03 10 51 27.7–1.8 35.20N 26.69E 61–20 3.6,3.3b
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/03 10:52:40, This location: 2021/08/03 11:48:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=13.9km az=172.0.
THE VIII 05 05 24 50.4 35.2N–.80 25.2E–.50 8–2 2.5,2.5
¶621368482
ISC VIII 07 02 17 10.8–1.6 35.50N–.06 23.03E–.05 11–12 35 0-2
ATH VIII 07 02 17 11.0 35.51N 23.00E 20–2 2.9L **¶626538144**
THE VIII 07 02 17 13.9 36N–3.0 23E–3.0 1–3 2.7,2.7
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/07 02:18:32, This location: 2021/08/07 02:32:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
ISC VIII 06 09 34 20.7–.82 35.16N–.02 25.25E–.02 16–6 3.6b 93 0-45
IDC VIII 06 09 34 18.6–1.5 35.06N 25.27E 0 3.7L,3.7b **¶620998881**
ATH VIII 06 09 34 20.9 35.15N 25.24E 15–0 3.2L,3.7b
THE VIII 06 09 34 21.6 35.1N–.60 25.2E–.40 11–1 3.2,3.2
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/06 09:35:43, This location: 2021/08/06 09:50:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VIII 07 19 48 26.3–.95 35.05N–.04 23.56E–.03 33–5 3.5b 125 0-46
IDC VIII 07 19 48 21.2–3.0 35.27N 23.77E 0 3.4b,3.4 **¶621000732**
THE VIII 07 19 48 27.4 35N–1.0 24E–2.0 20–1 2.9,2.9
ATH VIII 07 19 48 27.3 35.05N 23.57E 22–0 3.0L,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=58.7km s-min=27.7km az=8.0.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/08/07 19:49:31, This location: 2021/08/07 20:30:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VIII 07 05 14 58.6–.00 35.16N–.03 25.24E–.01 5–7 4.0b 211 0-78
ISK VIII 07 05 14 57.7 35.15N 25.22E 5–0 3.5L **¶621000704**
THE VIII 07 05 14 58.6 35N–2.0 25.2E–.90 2–1 4.0b,3.4
MCSM VIII 07 05 14 58.5–4.9 35N–19 25E–21 9–20 4.6b,4.2b
ATH VIII 07 05 14 58.6 35.13N 25.23E 7–0 3.6L,4.2b
IDC VIII 07 05 14 59.0–1.1 35.17N 25.14E 0 3.9b,3.9
AFAD VIII 07 05 15 00.7 34.85N 25.63E 8–5 3.6W,3.9
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/07 05:16:03, This location: 2021/08/07 05:57:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=24.7km s-min=8.8km az=22.0.
AFAD Event type se. Presumed earthquake.
ISC VIII 09 04 17 47.2–.71 35.14N–.02 25.25E–.01 15–4 4.1b 291 0-118
MOS VIII 09 04 17 44.0–1.1 34.93N 25.16E 14 4.3b **¶621007225**
IDC VIII 09 04 17 46.3–.99 35.22N 25.17E 0 4.0b,3.9
ISK VIII 09 04 17 46.3 35.12N 25.24E 9–0 3.7L,3.9
ATH VIII 09 04 17 46.7 35.14N 25.26E 14–0 3.7L,3.9
NEIC VIII 09 04 17 47.0–2.1 35.06N–.07 25.20E–.07 7–5 4.4b,3.9
THE VIII 09 04 17 47.3 35.1N–.80 25.3E–.50 10–1 3.7,3.7
AFAD VIII 09 04 17 54.0 35.34N 25.45E 34–136 3.7W,3.7
ISC Event type ke.
MOS Error ellipse: s-maj=8.4km s-min=4.9km az=76.2.
IDC Error ellipse: s-maj=20.6km s-min=8.5km az=20.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/08/09 04:18:59, This location: 2021/08/09 05:30:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.7km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
THE VIII 07 05 22 52.6 35N–2.0 25.3E–.70 0–3 2.4,2.4
¶626538134
ISC VIII 07 05 25 42.4–1.7 34.58N–.10 23.34E–.06 48–15 3.8b 100 1-46
ATH VIII 07 05 25 38.3 34.47N 23.28E 9–2 3.5L **¶621000705**
IDC VIII 07 05 25 42.5–6.6 34.48N 23.44E 51–39 3.6b,3.6
THE VIII 07 05 25 42.3 35N–6.0 23E–4.0 68–11 3.9b,3.3
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/07 05:27:14, This location: 2021/08/07 06:08:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 2 km.
ISC VIII 08 03 16 51.3–.85 35.16N–.03 25.23E–.02 10–6 3.1b 87 0-44
IDC VIII 08 03 16 49.0–4.7 34.74N 25.36E 0 3.4b,3.2 **¶621002108**
ATH VIII 08 03 16 50.9 35.15N 25.24E 15–0 3.1L,3.2
THE VIII 08 03 16 51.1 35.2N–.70 25.2E–.60 8–2 3.0,3.0
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/08 03:17:03, This location: 2021/08/08 06:37:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VIII 09 03 06 08.0–.82 35.12N–.03 25.24E–.01 11–5 3.8b 161 0-78
ISK VIII 09 03 06 06.9 35.13N 25.27E 5–0 3.5L **¶621007221**
IDC VIII 09 03 06 07.0–1.0 35.19N 25.17E 0 3.9L,3.9b
THE VIII 09 03 06 08.5 35.2N–.80 25.3E–.40 8–2 3.6,3.6
ATH VIII 09 03 06 08.0 35.13N 25.26E 13–0 3.7L,3.6
AFAD VIII 09 03 06 32.9 36.17N 27.13E 12–4 2.1L,3.6
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=8.4km az=24.0.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/08/09 03:07:19, This location: 2021/08/09 03:13:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC VIII 11 19 49 30.0–.76 35.14N–.02 25.24E–.01 13–5 3.8b 125 0-78
IDC VIII 11 19 49 28.9–.90 35.17N 25.15E 0 3.8b,3.6 **¶621009357**
THE VIII 11 19 49 29.9 35.2N–.80 25.2E–.40 7–2 3.5,3.5
ATH VIII 11 19 49 29.3 35.15N 25.24E 14–0 3.5L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=9.4km az=20.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/11 19:50:33, This location: 2021/11/27 14:35:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VIII 08 19 15 47.2–.75 35.14N–.02 25.23E–.01 12–5 4.1b,2.4s 317 0-66
IDC VIII 08 19 15 44.6–1.4 35.03N 24.99E 0 3.9b,3.7 **¶620976448**
ISK VIII 08 19 15 45.5 35.15N 25.24E 2–0 3.5L,3.7
ATH VIII 08 19 15 46.3 35.14N 25.24E 15–0 3.8L,3.7
THE VIII 08 19 15 46.8 35.1N–.70 25.2E–.50 9–1 3.9b,3.4
NEIC VIII 08 19 15 47.5–2.0 35.06N–.06 25.15E–.05 10–2 4.2b,3.4
GFZ VIII 08 19 15 47.6–.28 35N–3.0 25E–2.0 10 4.1b,4.1
AFAD VIII 08 19 15 56.0 35.47N 26.23E 7–12 3.6W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=10.8km az=39.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/08 19:16:35, This location: 2021/08/08 19:22:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=4.7km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
ISC VIII 12 17 18 09.5–.80 35.16N–.03 25.24E–.02 11–5 3.1b 83 0-44
ATH VIII 12 17 18 08.7 35.15N 25.25E 13–0 3.1L **¶621009436**
IDC VIII 12 17 18 08.7–1.3 35.10N 25.16E 0 3.5L,3.4b
THE VIII 12 17 18 09.5 35.2N–.60 25.2E–.50 3–1 3.1,3.1
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/08/12 17:19:13, This location: 2021/08/12 17:22:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VIII 11 23 50 07.9–1.1 35.16N–.03 25.24E–.02 3–8 3.2b 81 0-44
THE VIII 11 23 50 07.7 35.2N–1.0 25.2E–.50 7–2 3.2,3.2 **¶621009369**
ATH VIII 11 23 50 07.5 35.14N 25.24E 9–1 3.1L,3.2
IDC VIII 11 23 50 09.0–1.3 35.35N 25.39E 0 3.4L,3.3b
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/11 23:51:12, This location: 2021/08/12 04:32:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=41.5km s-min=21.1km az=170.0.
ISC VIII 17 14 17 46.7–1.1 34.99N–.04 26.39E–.02 11–6 3.5b 138 0-44
AFAD VIII 17 14 17 43.3 34.87N 26.44E 6–4 3.5W **¶621369602**
IDC VIII 17 14 17 44.8–1.4 36.58N 24.93E 0 3.7b,3.6
ATH VIII 17 14 17 45.5 34.92N 26.40E 7–2 3.3L,3.6
ISK VIII 17 14 17 45.5 34.98N 26.40E 3–0 3.4L,3.6
THE VIII 17 14 17 46.2 35N–3.0 26E–2.0 0–2 3.3,3.3
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/17 14:19:04, This location: 2021/08/17 14:31:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC VIII 14 05 24 18.7–1.0 35.43N–.03 26.12E–.02 6–10 69 0-2
ISK VIII 14 05 24 18.0 35.43N 26.14E 6–0 2.9L **¶621369391**
THE VIII 14 05 24 18.9 35N–2.0 26E–1.0 7–3 3.0,3.0
ATH VIII 14 05 24 19.1 35.36N 26.11E 14–3 2.9L,3.0
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/14 05:25:37, This location: 2021/08/14 05:32:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISC VIII 16 13 54 41.7–.81 35.12N–.02 25.22E–.01 11–5 4.0b 163 0-85
ATH VIII 16 13 54 40.9 35.15N 25.23E 14–0 3.6L **¶621030181**
NEIC VIII 16 13 54 41.9–.65 35.02N–.06 25.11E–.08 10–1 4.4b
ISK VIII 16 13 54 41.0 35.13N 25.21E 6–0 3.4L
THE VIII 16 13 54 41.7 35N–1.0 25.2E–.60 10–1 3.6,3.6
IDC VIII 16 13 54 41.1–.98 35.16N 25.11E 0 4.0b,3.8
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/16 13:55:48, This location: 2021/08/16 14:06:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=4.8km az=229.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=11.3km az=20.0.
IDC VIII 16 13 55 26.3–1.7 35.20N 25.09E 0 3.7,3.6b
¶621030184
IDC Error ellipse: s-maj=22.5km s-min=18.7km az=2.0.
THE VIII 12 22 31 17.1 35N–1.0 25E–1.0 0–4 1.4,1.4
¶621369329
ISC VIII 21 00 47 59.7–1.3 34.28N–.05 25.34E–.03 28–10 3.9b 249 1-46
IDC VIII 21 00 47 57.7–1.0 34.39N 25.28E 0 3.8b,3.7 **¶621042959**
ISK VIII 21 00 47 59.1 34.30N 25.28E 14–0 3.4L,3.7
THE VIII 21 00 48 02.6 34N–3.0 25E–3.0 18–8 3.5,3.5
ATH VIII 21 00 48 03.8 34.50N 25.21E 30–6 3.4L,3.5
AFAD VIII 21 00 48 06.0 34.79N 25.91E 15–113 3.6W,3.5
GII VIII 21 00 48 08.0–.00 34.218N–.00 26.086E–.00 0 3.9,3.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/08/21 00:49:16, This location: 2021/08/21 01:04:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VIII 18 22 23 31.1–.88 35.15N–.03 25.23E–.01 8–6 3.7b 139 0-45
THE VIII 18 22 23 30.9 35N–1.0 25.2E–.60 10–1 3.1,3.1 **¶621030426**
ATH VIII 18 22 23 30.4 35.15N 25.25E 13–0 3.2L,3.1
IDC VIII 18 22 23 31.4–1.6 35.53N 24.65E 0 3.8b,3.8
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/08/18 22:24:47, This location: 2021/08/18 22:31:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=349.6km s-min=25.2km az=140.0.
ISC VIII 20 03 30 49.4–.85 35.17N–.02 25.25E–.01 9–6 3.3b 99 0-45
ATH VIII 20 03 30 48.3 35.16N 25.25E 14–0 3.1L **¶621041236**
IDC VIII 20 03 30 49.2–1.4 35.23N 25.09E 0 3.5b,3.5
THE VIII 20 03 30 49.2 35N–1.0 25.2E–.70 6–2 3.2,3.2
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/20 03:31:55, This location: 2021/08/20 04:16:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VIII 23 06 00 34.2–1.5 34.23N–.10 26.16E–.05 10 36 1-56
ISK VIII 23 06 00 30.4 34.01N 26.15E 5–0 3.1L **¶621049202**
IDC VIII 23 06 00 33.4–1.8 34.29N 26.08E 0 3.9s,3.7b
AFAD VIII 23 06 00 36.1 34.47N 26.47E 6–4 2.7L,3.7b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=63.3km s-min=28.3km az=158.0.
AFAD Event type se. Presumed earthquake.
ISC VIII 21 04 05 24.3–.73 35.15N–.02 25.22E–.01 15–4 3.7b 173 0-45
IDC VIII 21 04 05 23.3–.79 35.28N 25.18E 0 3.8b,3.7 **¶621042968**
ATH VIII 21 04 05 23.7 35.14N 25.23E 14–0 3.5L,3.7
ISK VIII 21 04 05 23.6 35.16N 25.20E 6–0 3.5L,3.7
THE VIII 21 04 05 24.5 35.1N–.90 25.2E–.60 10–1 3.6,3.6
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/21 04:05:37, This location: 2021/08/21 04:13:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
THE VIII 24 10 53 52.0 35N–5.0 25E–2.0 34–3 2.5,2.5
¶626647128
ISC VIII 23 07 19 31.9–.84 34.16N–.03 26.20E–.02 13–5 4.6b,3.3s 567 1-124
MOS VIII 23 07 19 30.0–1.2 34.16N 26.11E 14 4.8b,3.3s **¶620999731**
IDC VIII 23 07 19 30.6–.58 34.31N 26.18E 0 4.4b,4.4
NEIC VIII 23 07 19 31.3–1.1 34.17N–.08 26.20E–.07 10–1 4.7b,4.4
MCSM VIII 23 07 19 32.3–.40 34N–4.0 26E–3.0 10 4.5b,4.4b
ISK VIII 23 07 19 32.7 34.23N 26.21E 9–0 4.1L,4.4b
GII VIII 23 07 19 32.6–.00 33.97N–.02 26.358E–.01 0–0 4.3,4.4b
GFZ VIII 23 07 19 33.3–.27 34N–3.0 26E–2.0 10 4.4b,4.2
ATH VIII 23 07 19 33.2 34.25N 26.21E 14–2 3.9L,4.2
THE VIII 23 07 19 35.7 34N–8.0 26E–6.0 5–11 3.7,3.7

AFAD	VIII	23 07 19 35.7	34.47N	26.57E	6–4	4.0W,3.7			
NAO	VIII	23 07 19 43.4	35.08N	24.47E	33	3.3b,3.7			
ISC	Event type ke.								
MOS	Error ellipse: s-maj=7.2km s-min=4.4km az=77.2.								
IDC	Error ellipse: s-maj=13.2km s-min=7.5km az=16.0.								
NEIC	Event type se. Error ellipse: s-maj=13.2km s-min=9.6km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISK	Event type ke.								
GII	Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
ATH	Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/23 07:21:02, This location: 2021/08/23 07:25:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.								
AFAD	Event type se. Presumed earthquake.								
NAO	Event type se. Presumed earthquake.								
ISC	**VIII**	**25 05 00 03.2–.73**	**35.26N–.05**	**23.16E–.04**	**53–5**	**4.1b,3.0s**	**328**	**0-80**	
GII	VIII	25 04 59 58.3–.00	35.069N–.00	23.408E–.00	0	3.8,3.0s	**¶621003211**		
BEO	VIII	25 05 00 00.5–3.4	34.88N	22.60E	65–3	3.8L,3.0s			
PDG	VIII	25 05 00 02.7–.41	35.22N	23.09E	58–3	4.2L,3.0s			
THE	VIII	25 05 00 04.6	35N–3.0	23E–4.0	56–7	3.8,3.8			
ATH	VIII	25 05 00 04.3	35.27N	23.15E	44–4	3.7L,3.8			
IDC	VIII	25 05 00 07.0–1.9	35.54N	23.28E	66–13	4.1,3.9b			
ISC	Event type ke.								
GII	Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.								
BEO	Event type ke.								
PDG	Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=90.0.								
ATH	Event type ke. Manual Solution by F.Gkika First location: 2021/08/25 05:01:13, This location: 2021/08/25 05:09:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.								
IDC	Error ellipse: s-maj=31.1km s-min=12.8km az=26.0.								
ISC	**VIII**	**25 11 10 05.3–1.3**	**34.50N–.05**	**23.89E–.03**	**18–6**	**3.8b**	**133**	**0-90**	
IDC	VIII	25 11 10 03.4–1.0	34.60N	23.96E	0	3.8,3.7b	**¶621058930**		
ATH	VIII	25 11 10 05.4	34.49N	23.78E	19–1	3.8L,3.7b			
THE	VIII	25 11 10 07.5	35N–2.0	24E–2.0	16–1	3.7,3.7			
AFAD	VIII	25 11 10 08.6	34.66N	24.03E	9–5	3.8W,3.7			
ISK	VIII	25 11 10 11.6	34.86N	24.14E	21–0	3.2L,3.7			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=18.5km s-min=12.2km az=16.0.								
ATH	Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/25 11:11:14, This location: 2021/08/25 11:17:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.								
AFAD	Event type se. Presumed earthquake.								
ISK	Event type ke.								
ISC	**VIII**	**29 19 55 44.9–1.9**	**34.25N–.08**	**24.27E–.04**	**14–9**	**3.2b**	**53**	**1-42**	
IDC	VIII	29 19 55 34.9–3.7	33.47N	24.94E	0	3.4b,3.3	**¶621073202**		
ISK	VIII	29 19 55 43.5	34.14N	24.18E	5–0	3.3L,3.3			
ATH	VIII	29 19 55 44.5	34.26N	24.23E	15–1	3.3L,3.3			
THE	VIII	29 19 55 46.4	34N–3.0	24E–3.0	20–4	3.1,3.1			
ISC	Event type ke.								
ISK	Event type ke.								
ATH	Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/29 19:57:05, This location: 2021/08/30 04:42:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.								
ISC	**VIII**	**26 04 17 13.4–1.8**	**34.23N–.06**	**25.91E–.03**	**12–10**		**57**	**1-9**	
GII	VIII	26 04 17 10.2–.00	34.349N–.00	25.821E–.00	0	3.7	**¶621800552**		
ATH	VIII	26 04 17 15.5	34.32N	25.85E	8–2	3.0L			
THE	VIII	26 04 17 17.4	34N–3.0	26E–3.0	10–6	2.9,2.9			
ISC	Event type ke.								
GII	Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.								
ATH	Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/26 04:18:34, This location: 2021/08/26 04:33:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.								
ISC	**VIII**	**26 21 54 59.7–.86**	**35.04N–.03**	**25.20E–.02**	**12–6**	**3.5b**	**142**	**0-45**	
ISK	VIII	26 21 54 58.9	35.04N	25.19E	9–0	3.1L	**¶621059026**		
ATH	VIII	26 21 54 58.8	35.04N	25.21E	16–0	3.3L			
IDC	VIII	26 21 54 59.2–1.0	35.09N	25.10E	0	3.7b,3.5			
THE	VIII	26 21 54 59.3	35N–1.0	25.2E–.80	9–1	3.3,3.3			
ISC	Event type ke.								
ISK	Event type ke.								
ATH	Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/26 21:56:07, This location: 2021/08/26 22:00:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.								
ISC	**VIII**	**28 19 21 53.9–.75**	**35.16N–.03**	**25.23E–.01**	**14–5**	**3.1b**	**126**	**0-44**	
IDC	VIII	28 19 21 51.7–1.2	35.10N	25.13E	0	3.4b,3.3L	**¶621073127**		
ISK	VIII	28 19 21 53.8	35.18N	25.22E	5–0	3.0L,3.3L			
ATH	VIII	28 19 21 53.3	35.14N	25.24E	17–0	3.3L,3.3L			
THE	VIII	28 19 21 53.9	35.2N–.80	25.3E–.50	12–1	3.3,3.3			
ISC	Event type ke.								
ISK	Event type ke.								
ATH	Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/28 19:23:05, This location: 2021/08/28 19:30:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.								
ISC	**VIII**	**29 14 11 20.5–.77**	**35.14N–.02**	**25.23E–.01**	**12–5**	**3.5b**	**126**	**0-45**	
IDC	VIII	29 14 11 19.4–1.2	35.22N	25.09E	0	3.5b,3.4	**¶621073181**		
THE	VIII	29 14 11 20.4	35.1N–.70	25.2E–.50	10–1	3.2,3.2			
ATH	VIII	29 14 11 20.3	35.13N	25.24E	10–0	3.2L,3.2			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=25.6km s-min=17.8km az=173.0.								
ATH	Event type ke. Manual Solution by D.Makaris First location: 2021/08/29 14:12:32, This location: 2021/08/29 14:29:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.								
ISC	**VIII**	**30 03 47 25.0–1.2**	**35.19N–.04**	**23.52E–.05**	**23–7**		**45**	**0-2**	
ATH	VIII	30 03 47 24.0	35.15N	23.45E	24–1	2.8L	**¶621370383**		
ISK	VIII	30 03 47 24.6	35.16N	23.54E	25–0	2.8L			
THE	VIII	30 03 47 24.5	35N–1.0	23E–1.0	0–3	2.8,2.8			
ISC	Event type ke.								
ATH	Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/30 03:48:30, This location: 2021/08/30 04:58:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.								
ISK	Event type ke.								
ISC	**VIII**	**31 20 39 32.0–.76**	**35.15N–.03**	**25.26E–.02**	**13–5**	**3.6b**	**106**	**0-53**	
ATH	VIII	31 20 39 31.7	35.15N	25.26E	15–0	3.2L	**¶621076641**		
THE	VIII	31 20 39 32.4	35.1N–.70	25.3E–.50	0–3	3.2,3.2			
IDC	VIII	31 20 39 32.0–.87	35.27N	25.20E	0	3.6b,3.6			
ISC	Event type ke.								
ATH	Event type ke. Manual Solution by P.Lantzourakis First location: 2021/08/31 20:40:45, This location: 2021/08/31 20:46:35 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.								
IDC	Error ellipse: s-maj=18.8km s-min=9.7km az=6.0.								
ISC	**VIII**	**30 18 32 25.6–1.2**	**34.93N–.05**	**23.40E–.04**	**34–2**	**3.7b**	**132**	**0-46**	
ISK	VIII	30 18 32 22.3	34.82N	23.22E	20–0	2.8L	**¶621076538**		
THE	VIII	30 18 32 25.0	35N–2.0	23E–2.0	24–2	2.9,2.9			
ATH	VIII	30 18 32 27.6	35.06N	23.47E	34–3	2.9L,2.9			
IDC	VIII	30 18 32 47.8–16	36.25N	23.93E	188–110	3.7,3.3b			
ISC	Event type ke.								
ISK	Event type ke.								
ATH	Event type ke. Manual Solution by G.Panopoulou First location: 2021/08/30 18:33:37, This location: 2021/08/30 18:49:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.								
IDC	Error ellipse: s-maj=168.9km s-min=29.8km az=14.0.								
ISC	**IX**	**04 08 12 17.8–.79**	**35.18N–.03**	**25.24E–.02**	**14–5**	**3.7b**	**71**	**0-45**	
IDC	IX	04 08 12 16.4–1.7	35.16N	25.13E	0	3.7b,3.5L	**¶621081625**		
ISK	IX	04 08 12 17.6	35.18N	25.24E	7–0	3.1L,3.5L			
ATH	IX	04 08 12 17.3	35.18N	25.26E	19–0	3.2L,3.5L			
THE	IX	04 08 12 17.9	35.2N–.70	25.2E–.50	14–1	3.2,3.2			
ISC	Event type ke.								
ISK	Event type ke.								
ATH	Event type ke. Manual Solution by F.Xalaris First location: 2021/09/04 08:13:29, This location: 2021/09/04 08:24:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.								
ISC	**IX**	**06 13 47 41.3–1.9**	**34.19N–.06**	**26.24E–.04**	**17–11**	**3.6b**	**73**	**1-59**	
ISK	IX	06 13 47 36.7	34.03N	26.37E	5–0	3.1L	**¶621094259**		
IDC	IX	06 13 47 38.9–1.5	34.36N	26.05E	0	4.3L,3.8b			
THE	IX	06 13 47 42.2	34N–6.0	26E–9.0	0–18	2.9,2.9			
ATH	IX	06 13 47 43.3–.58	34.31N	26.23E	20	3.0L,2.9			
AFAD	IX	06 13 47 43.8	34.45N	26.54E	9–3	2.6L,2.9			
ISC	Event type ke.								
ISK	Event type ke.								
IDC	Error ellipse: s-maj=36.1km s-min=23.9km az=149.0.								
ATH	Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/06 13:49:31, This location: 2021/09/06 14:25:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 3 km.								
AFAD	Event type se. Presumed earthquake.								
ISC	**IX**	**07 03 03 05.6–1.4**	**34.84N–.08**	**25.64E–.03**	**25–9**		**33**	**0-2**	
ATH	IX	07 03 03 04.9	34.80N	25.64E	23–2	2.5L	**¶621800768**		
ISK	IX	07 03 03 05.8	35.32N	25.68E	28–0	2.5L			
THE	IX	07 03 03 05.4	35N–3.0	26E–2.0	0–3	2.5,2.5			
ISC	Event type ke.								
ATH	Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/07 03:04:15, This location: 2021/09/07 03:31:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.								
ISK	Event type ke.								
ISC	**IX**	**07 14 24 24.5–.87**	**35.14N–.03**	**25.88E–.02**	**9–6**	**3.8b**	**110**	**0-45**	
IDC	IX	07 14 24 23.0–2.6	35.02N	25.76E	0	3.9L,3.6b	**¶621094330**		
ISK	IX	07 14 24 24.2	35.15N	25.89E	8–0	3.0L,3.6b			
THE	IX	07 14 24 24.3	35N–2.0	25.9E–.70	3–1	3.1,3.1			
ATH	IX	07 14 24 24.2	35.12N	25.89E	10–1	3.2L,3.1			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=57.9km s-min=15.0km az=4.0.								
ISK	Event type ke.								
ATH	Event type ke. Manual Solution by F.Gkika First location: 2021/09/07 14:24:48, This location: 2021/09/07 14:55:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.								
ISC	**IX**	**13 08 01 08.7–.87**	**35.02N–.04**	**26.66E–.02**	**13–5**	**4.1b**	**196**	**0-65**	
MCSM	IX	13 08 01 07.2–1.0	35N–8.0	27E–10	5–3	4.2b,4.0	**¶621071753**		
IDC	IX	13 08 01 07.7–.93	35.21N	26.61E	0	4.0b,3.8			
ATH	IX	13 08 01 09.4	35.00N	26.69E	16–1	3.9L,3.8			
AFAD	IX	13 08 01 09.9	35.09N	26.91E	7–2	3.9W,3.8			
NEIC	IX	13 08 01 09.1–1.2	35.01N–.05	26.66E–.06	10–1	4.1b,3.8			
ISK	IX	13 08 01 10.7	35.21N	26.60E	6–0	3.7L,3.8			
THE	IX	13 08 01 11.1	35N–3.0	27E–1.0	0–1	3.6,3.6			
ISC	Event type ke.								
ATH	Event type ke. Manual Solution by D.Venizelos First location: 2021/09/13 08:02:21, This location: 2021/09/13 08:11:40 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 1 km.								
AFAD	Event type se. Presumed earthquake.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISK	Event type ke.								
ISC	**IX**	**08 03 48 30.1–1.3**	**34.85N–.07**	**23.65E–.05**	**35–3**	**3.8b**	**93**	**0-46**	
IDC	IX	08 03 48 28.2–3.4	34.39N	23.42E	55–26	3.7,3.6b	**¶621105764**		
ISK	IX	08 03 48 30.3	34.84N	23.56E	18–0	3.1L,3.6b			
THE	IX	08 03 48 32.8	35N–8.0	24E–5.0	27–10	3.8b,3.3			
ATH	IX	08 03 48 32.0	34.91N	23.67E	18–1	3.2L,3.3			
AFAD	IX	08 03 48 36.4	34.78N	24.77E	6–4	3.0L,3.3			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=26.4km s-min=21.9km az=13.0.								
ISK	Event type ke.								
ATH	Event type ke. Manual Solution by D.Venizelos First location: 2021/09/08 03:49:36, This location: 2021/09/08 03:54:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.								
AFAD	Event type se. Presumed earthquake.								
ISC	**IX**	**13 18 15 01.6–1.7**	**34.13N–.06**	**25.66E–.04**	**6–11**	**3.9b**	**38**	**1-45**	
IDC	IX	13 18 15 01.4–1.2	34.09N	25.53E	0	3.8b,3.7	**¶621109718**		
THE	IX	13 18 15 05.2	34N–3.0	26E–2.0	7–4	3.1,3.1			
ISC	Event type se.								
AFAD	**IX**	**14 20 30 43.6**	**35.94N**	**26.67E**	**8–15**	**1.8L**			
							¶635706651		
AFAD	Event type se. Presumed earthquake.								
ISC	**IX**	**14 11 32 23.6–.93**	**34.18N–.09**	**26.07E–.07**	**26**	**4.0b**	**34**	**1-71**	
NEIC	IX	14 11 32 21.5–.45	34.08N–.10	25.92E–.07	10–2	4.3b	**¶621110836**		
IDC	IX	14 11 32 21.7–1.4	34.30N	26.03E	0	4.0b,3.8			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=17.1km s-min=10.0km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=23.8km s-min=13.6km az=27.0.								
ISC	**IX**	**27 07 09 19.3–.88**	**35.15N–.02**	**25.27E–.02**	**8–7**	**4.0b**	**69**	**0-45**	
ATH	IX	27 07 09 18.7	35.14N	25.28E	8–1	3.3L	**¶621801278**		
IDC	IX	27 07 09 18.4–1.4	35.03N	25.45E	0	3.9b,3.8			
THE	IX	27 07 09 19.2	35.1N–.50	25.3E–.30	6–2	3.4,3.4			
ISC	Event type ke.								
ATH	Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 07:31:55, This location: 2021/09/27 07:39:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.								
ISC	**IX**	**25 00 21 12.8–1.7**	**34.30N–.07**	**25.17E–.03**	**17–11**	**3.6b**	**64**	**1-46**	
IDC	IX	25 00 21 10.9–1.2	34.51N	25.05E	0	3.7L,3.5b	**¶621131430**		
ATH	IX	25 00 21 13.3	34.31N	25.17E	7–1	3.0L,3.5b			
THE	IX	25 00 21 14.3	34N–3.0	25E–2.0	14–5	2.9,2.9			
ISC	Event type ke.								
ATH	Event type ke. Manual Solution by M.Charalampakis First location: 2021/09/25 00:22:34, This location: 2021/09/25 09:33:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.								
ISC	**IX**	**24 01 24 14.7–.71**	**35.17N–.02**	**25.26E–.01**	**16–4**	**3.9b**	**201**	**0-77**	
IDC	IX	24 01 24 13.8–.82	35.26N	25.17E	0	4.0b,3.8	**¶621126398**		
THE	IX	24 01 24 14.7	35.1N–.60	25.3E–.50	8–1	3.7,3.7			
ATH	IX	24 01 24 14.3	35.14N	25.27E	13–0	3.7L,3.7			
ISK	IX	24 01 24 14.2	35.20N	25.26E	4–0	3.5L,3.7			
AFAD	IX	24 01 24 26.6	36.06N	25.97E	15–2	2.8L,3.7			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=17.6km s-min=10.0km az=14.0.								
ATH	Event type ke. Manual Solution by D.Venizelos First location: 2021/09/24 01:25:15, This location: 2021/09/24 01:29:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.								
ISK	Event type ke.								
AFAD	Event type se. Presumed earthquake.								
ISC	**IX**	**24 20 52 03.3–1.6**	**35.16N–.05**	**23.09E–.05**	**9–9**	**4.0b**	**73**	**0-46**	
IDC	IX	24 20 52 02.1–1.3	35.23N	22.97E	0	3.9b,3.8	**¶621126463**		
THE	IX	24 20 52 02.0	35N–2.0	23E–3.0	0–2	3.2,3.2			
ATH	IX	24 20 52 06.2–.36	35.24N	23.26E	5	3.1L,3.2			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=24.0km s-min=18.5km az=27.0.								
ATH	Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/24 20:53:14, This location: 2021/09/25 00:49:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.								
ISC	**IX**	**14 17 19 58.7–.74**	**35.20N–.03**	**25.23E–.02**	**14–5**	**4.0b**	**99**	**0-78**	
ATH	IX	14 17 19 57.2	35.26N	25.23E	29–0	3.6L	**¶621110841**		
IDC	IX	14 17 19 57.8–1.1	35.26N	25.20E	0	3.8b,3.7			
THE	IX	14 17 19 58.7	35.2N–.90	25.3E–.60	0–2	3.5,3.5			
ISC	Event type ke.								
ATH	Event type ke. Manual Solution by D.Makaris First location: 2021/09/14 17:47:02, This location: 2021/09/14 19:53:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.								
THE	**IX**	**15 13 40 33.0**	**35.1N–.80**	**25.2E–.60**	**3–2**	**2.5,2.5**			
ISK	IX	15 13 40 32.1	35.17N	25.25E	8–0	2.4L,2.5	**¶621800998**		
ATH	IX	15 13 40 32.3	35.16N	25.25E	13–1	2.5L,2.5			
ISK	Event type ke.								

ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/15 13:42:06, This location: 2021/09/15 13:57:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**21 10 05 17.4–2.0**	**34.12N–.09**	**25.79E–.03**	**13–10**	**4.0b**	**48**	**1-45**
IDC	IX	21 10 05 13.5–4.7	34.05N	25.59E	0	4.0b,3.7		**¶621116028**
ISK	IX	21 10 05 16.5	34.06N	25.82E	3–0	2.8L,3.7		
THE	IX	21 10 05 18.3	34N–58	26E–34	2–32	2.8,2.8		
ATH	IX	21 10 05 20.5	34.27N	25.72E	7–3	2.7L,2.8		
AFAD	IX	21 10 05 22.7	34.85N	25.93E	4–3	2.6L,2.8		

ISC Event type ke.
IDC Error ellipse: s-maj=77.4km s-min=39.7km az=21.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/09/21 10:06:39, This location: 2021/09/21 10:32:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.

THE	**IX**	**26 23 39 48.7**	**35.2N–.90**	**25.3E–.90**	**5–2**	**1.3,1.3**		**¶621801255**
ISC	**IX**	**27 07 11 07.0–.91**	**35.13N–.02**	**25.27E–.02**	**7–7**	**4.1b**	**89**	**0-45**
ATH	IX	27 07 11 06.4	35.12N	25.27E	12–0	3.5L		**¶621140686**
IDC	IX	27 07 11 06.1–1.4	34.87N	25.64E	0	3.9b,3.8		
THE	IX	27 07 11 07.1	35.1N–.80	25.3E–.60	2–1	3.5,3.5		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 07:46:13, This location: 2021/09/27 07:45:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**27 07 30 45.8–.43**	**35.14N–.02**	**25.22E–.01**	**10–2**	**4.7b,4.3s**	**915**	**0-125**
IDC	IX	27 07 30 44.5–.48	35.24N	25.19E	0	4.5b,4.4		**¶621110575**
MOS	IX	27 07 30 44.3–1.4	35.10N	25.08E	8	5.0b,4.4		
PDG	IX	27 07 30 44.4–1.0	35.02N	25.21E	9–1	4.5L,4.4		
BJI	IX	27 07 30 44.6	35.41N	25.00E	11	5.3b,4.8b		
AFAD	IX	27 07 30 45.3	35.39N	25.18E	6–5	4.3W,4.8b		
ISK	IX	27 07 30 45.1	35.15N	25.21E	15–0	4.4L,4.8b		
ATH	IX	27 07 30 45.0	35.13N	25.25E	14–0	4.5L,4.8b		
THE	IX	27 07 30 45.4	35.1N–.70	25.3E–.50	9–1	5.0b,4.3		
MCSM	IX	27 07 30 46.5–.30	35N–4.0	25E–4.0	10	4.8b,4.7b		
NEIC	IX	27 07 30 46.6	35.31N	25.16E	10	4.8b,4.7b		
NEIC	IX	27 07 30 46.2–1.6	35.33N–.04	25.27E–.04	10–1	4.7b,4.5		
GFZ	IX	27 07 30 47.1–.17	35N–2.0	25E–2.0	10	5.0b,4.6b		
GFZ	IX	27 07 30 47.1	35.12N	25.23E	10	4.3W,4.6b		
MED_R	IX	27 07 30 49.0	35.13N	25.25E	12	4.5W,4.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=11.2km s-min=8.4km az=11.0.
MOS Error ellipse: s-maj=4.8km s-min=2.7km az=88.1.
PDG Event type ke. Error ellipse: s-maj=1567.6km s-min=1130.2km az=90.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 07:31:56, This location: 2021/09/30 19:15:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.9km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-4.62 $M_{\theta\theta}$1.14 $M_{\phi\phi}$3.48 $M_{r\theta}$-3.96 $M_{\theta\phi}$2.41 $M_{\phi r}$-0.22 NP1:ϕ_s190.69000°,δ36.53000°,λ-132.68000°. NP2:ϕ_s59.62000°,δ64.05000°,λ-63.34000°. Principal axes: T 5.6086,Plg15.0000°,Azm130.0000°; N 1.1136,Plg24.0000°,Azm227.0000°; P -6.7222,Plg61.0000°,Azm11.0000° $M_0$6.24000×10^{15}
GFZ Error ellipse: s-maj=4.7km s-min=2.8km az=27.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.61 $M_{\theta\theta}$1.75 $M_{\phi\phi}$1.86 $M_{r\theta}$-0.64 $M_{\theta\phi}$1.93 $M_{\phi r}$0.04 NP1:ϕ_s216.44797°,δ42.33193°,λ-101.50339°. NP2:ϕ_s51.83996°,δ48.70795°,λ-79.70355°. Principal axes: T 3.7638,Plg3.2168°,Azm134.5675°; N -0.0624,Plg7.7180°,Azm225.0039°; P -3.7014,Plg81.6308°,Azm22.1078° $M_0$3.73296×10^{15}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-1.11±1.07 $M_{\theta\theta}$3.30±.77; $M_{\phi\phi}$0.00±.54; $M_{r\theta}$-0.65±.93; $M_{\theta\phi}$3.84±.66; $M_{\phi r}$-5.75±2.98; NP1:ϕ_s282.00000°,δ41.00000°,λ-10.00000°. NP2:ϕ_s19.00000°,δ84.00000°,λ-130.00000°. Principal axes: T 6.9900,Plg27.0000°,Azm140.0000°; N 0.9900,Plg40.0000°,Azm24.0000°; P -7.9700,Plg38.0000°,Azm254.0000° $M_0$7.48000×10^{15}

ISC	**IX**	**27 07 44 41.2–.72**	**35.17N–.03**	**25.20E–.01**	**17–4**	**3.7b**	**153**	**0-88**
IDC	IX	27 07 44 39.3–.98	35.29N	25.21E	0	4.1s,3.9b		**¶621140689**
ISK	IX	27 07 44 40.9	35.12N	25.17E	5–0	3.6L,3.9b		
ATH	IX	27 07 44 40.6	35.14N	25.21E	16–0	3.8L,3.9b		
THE	IX	27 07 44 41.4	35.1N–.60	25.2E–.40	10–0	3.8,3.8		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 07:45:52, This location: 2021/09/30 19:18:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**27 06 17 22.1–.38**	**35.18N–.02**	**25.26E–.01**	**13–2**	**5.9b,5.8s**	**2877**	**0-167**
BJI	IX	27 06 17 18.2	35.24N	24.67E	19	6.3b,6.0s		**¶621110572**
MOS	IX	27 06 17 19.2–1.2	35.10N	25.29E	5	6.1b,5.7s		
ISK	IX	27 06 17 20.7	35.21N	25.27E	4–0	5.8L,5.7s		
BEO	IX	27 06 17 20.1–.60	34.66N	24.59E	15	5.5L,5.7s		
NEIC	IX	27 06 17 21.6	35.24N	25.26E	4	5.5L,5.7s		
GII	IX	27 06 17 21.2–.00	34.39N	25.24E	0	5.7,5.7s		
NEIC	IX	27 06 17 21.5–.95	35.24N–.06	25.27E–.04	6–1	6.0,6.0b		
GFZ	IX	27 06 17 21.3–.07	35N–1.0	25.2E–.90	10	6.2b,5.9		
ATH	IX	27 06 17 21.3	35.15N	25.27E	10–0	5.7L,5.9		
THE	IX	27 06 17 21.3	35N–1.0	25.3E–.80	9–1	5.7,5.7		
ISC-P	IX	27 06 17 21	35.24N	25.27E	6–0	6.0,5.7		
NEIC	IX	27 06 17 22.1	35.24N	25.26E	8	6.0,5.7		
IPGP	IX	27 06 17 22.0	35.25N	25.26E	6	6.0W,5.7		
MCSM	IX	27 06 17 22.7–.20	35N–2.0	25E–2.0	10	6.1b,6.0		
MED_R	IX	27 06 17 22.0	35.11N	25.22E	10	6.0W,6.0		
PDG	IX	27 06 17 22.4–.75	35.23N	25.21E	0–1	6.0,5.9L		
PTWC	IX	27 06 17 23	35.10N	25.20E	104	6.3,5.9L		
NEIC	IX	27 06 17 23.1	35.25N	25.27E	14	6.3,5.9L		
AFAD	IX	27 06 17 23.1	35.39N	25.35E	10–4	5.7W,5.9L		
GCMT	IX	27 06 17 23.8–.10	35.10N	25.16E	12	5.9W,5.9L		
GFZ	IX	27 06 17 23.0	35.18N	25.25E	16	6.0W,5.9L		
NEIC	IX	27 06 17 24.5	34.95N	25.15E	12	6.0,5.9L		
IDC	IX	27 06 17 25.1–.99	35.28N	25.28E	33–6	5.6s,5.5		
NAO	IX	27 06 17 51.5	35.11N	25.22E	10	5.6b,5.5		

ISC Event type ke.
MOS Error ellipse: s-maj=3.7km s-min=2.0km az=93.1.
ISK Event type ke.
BEO Event type ke.
NEIC Event type se.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.5km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.08 $M_{\theta\theta}$0.40 $M_{\phi\phi}$0.69 $M_{r\theta}$-0.45 $M_{\theta\phi}$0.53 $M_{\phi r}$-0.27 NP1:ϕ_s46.32000°,δ57.79000°,λ-80.24000°. NP2:ϕ_s208.43000°,δ33.51000°,λ-105.06000°. Principal axes: T 1.1976,Plg12.0000°,Azm129.0000°; N 0.0207,Plg8.0000°,Azm221.0000°; P -1.2183,Plg75.0000°,Azm344.0000° $M_0$1.21000×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.03 $M_{\theta\theta}$0.43 $M_{\phi\phi}$0.60 $M_{r\theta}$0.32 $M_{\theta\phi}$0.63 $M_{\phi r}$0.15 NP1:ϕ_s229.08000°,δ53.88000°,λ-80.22000°. NP2:ϕ_s32.78000°,δ37.25000°,λ-103.11000°. Principal axes: T 1.1948,Plg8.0000°,Azm312.0000°; N -0.0957,Plg8.0000°,Azm43.0000°; P -1.0990,Plg78.0000°,Azm176.0000° $M_0$1.15000×10^{18}
GFZ Error ellipse: s-maj=2.6km s-min=1.7km az=34.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/27 06:17:34, This location: 2023/03/24 21:38:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC-P Moment Tensor Solution. s43 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.60±.07 $M_{\theta\theta}$0.58±.14; $M_{\phi\phi}$0.00±.14; $M_{r\theta}$0.12±.15; $M_{\theta\phi}$-0.27±.13; $M_{\phi r}$0.26±.27; NP1:ϕ_s46.70000°,δ49.20000°,λ236.70000°. NP2:ϕ_s271.90000°,δ50.70000°,λ-57.50000°. $M_0$1.16000×10^{18}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s24.00000°,δ38.00000°,λ-111.00000°. NP2:ϕ_s229.00000°,δ55.00000°,λ-75.00000°.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18} Nm; M_{rr}-0.99±.01 $M_{\theta\theta}$0.36±.01; $M_{\phi\phi}$0.00±.01; $M_{r\theta}$-0.22±.05; $M_{\theta\phi}$0.55±.01; $M_{\phi r}$-0.41±.04; NP1:ϕ_s223.00000°,δ33.00000°,λ-82.00000°. NP2:ϕ_s34.00000°,δ57.00000°,λ-95.00000°. Principal axes: T 1.1600,Plg12.0000°,Azm127.0000°; N -0.0700,Plg4.0000°,Azm36.0000°; P -1.0900,Plg77.0000°,Azm287.0000° $M_0$1.12000×10^{18}
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=90.0.
NEIC Event type se.
AFAD Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109270617A. Moment Tensor Solution. s153,c327; s169,c592;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.95±.01 $M_{\theta\theta}$0.31±.01; $M_{\phi\phi}$0.63±.01; $M_{r\theta}$0.01±.01; $M_{\theta\phi}$0.56±.00; $M_{\phi r}$0.09±.01; Best double couple: NP1:ϕ_s40.00000°,δ43.00000°,λ-85.00000°. NP2:ϕ_s214.00000°,δ47.00000°,λ-94.00000°. Principal axes: T 1.0600,Plg2.0000°,Azm307.0000°; N -0.1060,Plg3.0000°,Azm217.0000°; P -0.9540,Plg86.0000°,Azm72.0000° $M_0$1.00700×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.14 $M_{\theta\theta}$0.44 $M_{\phi\phi}$0.69 $M_{r\theta}$0.35 $M_{\theta\phi}$0.30 $M_{\phi r}$0.33 NP1:ϕ_s218.65588°,δ57.47490°,λ-85.61122°. NP2:ϕ_s30.53215°,δ32.78762°,λ-96.84290°. Principal axes: T 0.9986,Plg12.3723°,Azm305.4802°; N 0.2466,Plg3.6994°,Azm36.2929°; P -1.2452,Plg77.0696°,Azm142.6496° $M_0$1.14207×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.97 $M_{\theta\theta}$0.49 $M_{\phi\phi}$0.49 $M_{r\theta}$-0.41 $M_{\theta\phi}$0.52 $M_{\phi r}$-0.15 NP1:ϕ_s215.37000°,δ34.90000°,λ-106.07000°. NP2:ϕ_s54.72000°,δ56.65000°,λ-79.07000°. Principal axes: T 1.0859,Plg11.0000°,Azm137.0000°; N -0.0054,Plg9.0000°,Azm229.0000°; P -1.0804,Plg76.0000°,Azm357.0000° $M_0$1.08000×10^{18}
IDC Error ellipse: s-maj=8.5km s-min=5.9km az=158.0.
NAO Event type se. Presumed earthquake.

THE	**IX**	**27 07 46 08.7**	**35.2N–.70**	**25.2E–.40**	**0–3**	**3.4,3.4**		**¶626766846**
ISC	**IX**	**27 07 46 31.5–.69**	**35.16N–.02**	**25.18E–.01**	**15–4**	**4.2b**	**281**	**0-78**
IDC	IX	27 07 46 29.0–.99	35.44N	24.90E	0	4.2b,4.1		**¶621110577**
AFAD	IX	27 07 46 29.5	34.43N	25.81E	5–5	4.2W,4.1		
ISK	IX	27 07 46 29.6	35.08N	25.16E	10–0	4.1L,4.1		
MCSM	IX	27 07 46 30.8–.60	35N–6.0	25E–5.0	10	7.3,7.3b		
ATH	IX	27 07 46 30.7	35.16N	25.19E	18–0	4.2L,7.3b		
THE	IX	27 07 46 31.3	35.1N–.80	25.2E–.50	11–3	4.3,4.3		
NEIC	IX	27 07 46 31.9–1.5	35.19N–.07	25.18E–.04	10–1	4.2b,4.3		
GFZ	IX	27 07 46 34.1–.31	35N–3.0	25E–3.0	10	5.8,5.7		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 07:47:43, This location: 2021/10/04 10:11:07 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**IX**	**27 06 22 14.2–.88**	**35.18N–.03**	**25.27E–.02**	**9–6**		**74**	**0-3**
ATH	IX	27 06 22 13.6	35.17N	25.27E	9–2	3.7L		**¶621801268**
THE	IX	27 06 22 14.0	35.2N–.70	25.3E–.50	0–1	4.0,4.0		

ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/30 13:07:29, This location: 2021/09/30 13:05:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	**IX**	**27 07 47 24.9–.74**	**35.14N–.02**	**25.19E–.01**	**18–3**	**4.3s,4.1b**	**113**	**0-88**
IDC	IX	27 07 47 23.3–.92	35.27N	25.12E	0	4.2s,4.1b		**¶621801289**
ATH	IX	27 07 47 24.9	35.13N	25.19E	15–0	4.1L,4.1b		
ISK	IX	27 07 47 24.6	35.10N	25.20E	5–0	3.8L,4.1b		
THE	IX	27 07 47 25.2	35.1N–.80	25.2E–.60	11–1	4.1,4.1		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 07:54:45, This location: 2021/10/04 10:14:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**IX**	**27 07 56 04.7–.86**	**35.13N–.03**	**25.24E–.02**	**10–6**	**3.6b**	**62**	**0-45**
IDC	IX	27 07 56 03.1–1.4	34.98N	25.41E	0	3.8b,3.7		**¶621140690**
ATH	IX	27 07 56 03.9	35.11N	25.24E	12–1	3.3L,3.7		
THE	IX	27 07 56 04.4	35.1N–.60	25.2E–.40	0–3	3.3,3.3		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 07:57:18, This location: 2021/09/27 08:01:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**27 06 27 47.6–.71**	**35.18N–.03**	**25.32E–.02**	**17–4**	**4.1b**	**117**	**0-49**
NEIC	IX	27 06 27 46.5–1.2	35.23N–.08	25.11E–.05	10–1	4.1b		**¶621801269**
IDC	IX	27 06 27 46.3–.98	35.24N	25.13E	0	4.1b,4.0		
THE	IX	27 06 27 48.3	35N–1.0	25.3E–.80	2–1	3.7,3.7		
ATH	IX	27 06 27 48.6	35.16N	25.33E	11–1	3.7L,3.7		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.3km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=14.3km az=4.0.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/09/27 06:29:06, This location: 2021/09/27 06:36:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	**IX**	**27 10 23 12.4–.77**	**35.13N–.02**	**25.27E–.01**	**10–5**	**4.3b,3.2s**	**337**	**0-118**
MOS	IX	27 10 23 10.3–1.3	35.00N	25.31E	6	4.6b,3.2s		**¶621110616**
ATH	IX	27 10 23 11.5	35.12N	25.28E	13–0	4.0L,3.2s		
THE	IX	27 10 23 11.9	35.1N–.50	25.3E–.40	0–1	4.0,4.0		
IDC	IX	27 10 23 11.3–.67	35.30N	25.21E	0	4.2b,4.1		
AFAD	IX	27 10 23 12.0	35.34N	25.28E	7–5	4.0W,4.1		
NEIC	IX	27 10 23 13.6–2.3	35.29N–.08	25.28E–.07	10–1	4.3b,4.1		
GFZ	IX	27 10 23 13.4–.32	35N–4.0	25E–2.0	10	4.6b,4.3b		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 10:24:22, This location: 2021/10/04 10:16:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**IX**	**27 08 21 57.9–.56**	**35.13N–.02**	**25.30E–.01**	**10–3**	**4.6b,4.0s**	**752**	**0-125**
BJI	IX	27 08 21 54.0	35.15N	24.83E	10	5.0b,4.8b		**¶621110579**
AFAD	IX	27 08 21 55.6	35.34N	25.07E	7–4	4.3W,4.8b		
MOS	IX	27 08 21 56.4–1.3	35.11N	25.34E	8	4.8b,4.8b		
IDC	IX	27 08 21 56.8–.47	35.30N	25.23E	0	4.5b,4.4		
GII	IX	27 08 21 56.5–.00	35.119N–.00	25.302E–.00	0	4.8,4.4		
ATH	IX	27 08 21 57.4	35.14N	25.30E	12–0	4.4L,4.4		
GFZ	IX	27 08 21 57.9–.30	35N–4.0	25E–2.0	10	7.0,6.8		
ISK	IX	27 08 21 57.5	35.28N	25.31E	5–0	4.2L,6.8		
THE	IX	27 08 21 57.9	35.2N–.90	25.3E–.50	7–1	4.2,4.2		
NEIC	IX	27 08 21 58.5–1.6	35.20N–.07	25.37E–.07	10–1	4.6b,4.4		
MED_R	IX	27 08 21 58.0	35.11N	25.29E	10	4.7W,4.4		
PDG	IX	27 08 21 58.0–.31	35.18N	25.31E	10–1	4.5L,4.4		
MCSM	IX	27 08 21 58.6–.30	35N–3.0	25E–4.0	10	4.8b,4.6		
NEIC	IX	27 08 21 59.6	35.16N	25.37E	10	4.8b,4.6		
GFZ	IX	27 08 21 59.6	35.02N	25.31E	10	4.6W,4.6		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=4.8km s-min=3.0km az=84.4.
IDC Error ellipse: s-maj=11.6km s-min=8.4km az=13.0.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 08:23:08, This location: 2021/09/30 19:10:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GFZ Error ellipse: s-maj=8.4km s-min=4.3km az=24.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.3km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-5.61 $M_{\theta\theta}$1.82 $M_{\phi\phi}$3.79 $M_{r\theta}$1.93 $M_{\theta\phi}$2.41 $M_{\theta r}$0.28 NP1:ϕ_s226.88000°,δ53.13000°,λ-74.24000°. NP2:ϕ_s21.69000°,δ39.65000°,λ-109.91000°. Principal axes: T 5.5660,Plg7.0000°,Azm306.0000°; N 0.5251,Plg13.0000°,Azm37.0000°; P -6.0911,Plg76.0000°,Azm188.0000° $M_0$5.85000×10^{15}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-1.19±.08 $M_{\theta\theta}$0.40±.09; $M_{\phi\phi}$0.00±.08; $M_{r\theta}$-0.56±.43; $M_{\theta\phi}$0.32±.07; $M_{\theta r}$-0.92±.42; NP1:ϕ_s208.00000°,δ23.00000°,λ-92.00000°. NP2:ϕ_s31.00000°,δ67.00000°,λ-89.00000°. Principal axes: T 1.4200,Plg22.0000°,Azm120.0000°; N 0.2200,Plg1.0000°,Azm210.0000°; P -1.6300,Plg68.0000°,Azm303.0000° $M_0$1.53000×10^{16}
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.2km az=90.0.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-9.66 $M_{\theta\theta}$1.85 $M_{\phi\phi}$7.81 $M_{r\theta}$0.28 $M_{\theta\phi}$4.05 $M_{\theta r}$2.12 NP1:ϕ_s202.73304°,δ50.98777°,λ-95.21650°. NP2:ϕ_s30.98539°,δ39.30423°,λ-83.59665°. Principal axes: T 10.0684,Plg5.8567°,Azm296.4385°; N -0.1470,Plg4.0511°,Azm206.0222°; P -9.9213,Plg82.8707°,Azm81.5342° $M_0$9.99568×10^{15}

ISC	**IX**	**27 06 37 44.4–.46**	**35.12N–.02**	**25.28E–.01**	**12–2**	**4.9s,4.6b**	**639**	**0-118**
MOS	IX	27 06 37 42.0–1.1	35.01N	25.36E	7	4.8b,4.6b		**¶621110573**
ATH	IX	27 06 37 42.9	35.13N	25.28E	14–0	4.4L,4.6b		
ISK	IX	27 06 37 42.4	35.24N	25.30E	5–0	4.2L,4.6b		
MED_R	IX	27 06 37 43.0	35.07N	25.28E	10	4.7W,4.6b		
AFAD	IX	27 06 37 43.4	35.32N	25.27E	6–5	4.8W,4.6b		
PDG	IX	27 06 37 43.6–.35	35.14N	25.28E	10–1	4.5L,4.6b		
THE	IX	27 06 37 43.7	35.1N–1.0	25.3E–.50	6–1	4.3,4.3		
NEIC	IX	27 06 37 44.5–1.4	35.09N–.07	25.26E–.06	8–4	4.7b,4.3		
MCSM	IX	27 06 37 45.5–.30	35N–3.0	25E–3.0	10	4.6,4.5b		
GFZ	IX	27 06 37 45.3–.23	35N–3.0	25E–2.0	10	6.6b,6.4		
IDC	IX	27 06 37 48.1–1.6	35.08N	25.39E	42–14	4.4,4.2b		

ISC Event type ke.
MOS Error ellipse: s-maj=5.7km s-min=3.4km az=89.1.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/09/27 06:38:56, This location: 2021/09/27 07:29:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.69±.13 $M_{\theta\theta}$0.63±.14; $M_{\phi\phi}$0.00±.12; $M_{r\theta}$-0.38±.50; $M_{\theta\phi}$0.48±.10; $M_{\theta r}$-1.10±.31; NP1:ϕ_s266.00000°,δ26.00000°,λ-35.00000°. NP2:ϕ_s29.00000°,δ75.00000°,λ-112.00000°. Principal axes: T 1.3600,Plg27.0000°,Azm136.0000°; N 0.1200,Plg21.0000°,Azm35.0000°; P -1.4800,Plg55.0000°,Azm271.0000° $M_0$1.42000×10^{16}
AFAD Event type se. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.4km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=12.6km s-min=9.5km az=170.0.

ISC	**IX**	**27 08 58 20.1–1.1**	**35.18N–.03**	**25.29E–.02**	**5–9**		**54**	**0-44**
ATH	IX	27 08 58 19.4	35.17N	25.29E	14–1	3.2L		**¶621140696**
THE	IX	27 08 58 19.7	35N–4.0	25E–5.0	2–3	3.3,3.3		
IDC	IX	27 08 58 20.2–1.6	35.09N	25.08E	0	4.3L,3.8b		

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/09/27 11:41:14, This location: 2021/09/29 10:32:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=78.4km s-min=26.1km az=135.0.

ISC	**IX**	**27 09 02 49.3–1.0**	**35.14N–.04**	**25.22E–.02**	**6–8**		**35**	**0-45**
THE	IX	27 09 02 48.7	35.1N–.80	25.2E–.50	10–3	2.9,2.9		**¶621140699**
IDC	IX	27 09 02 48.6–1.6	35.11N	25.13E	0	3.7b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=72.1km s-min=23.3km az=137.0.

ISC	**IX**	**27 10 34 21.5–.75**	**35.12N–.02**	**25.26E–.01**	**7–4**	**4.2b,3.1s**	**357**	**0-118**
MOS	IX	27 10 34 18.9–1.2	35.00N	25.22E	6	4.5b,3.1s		**¶621110617**
ISK	IX	27 10 34 20.6	35.09N	25.26E	5–0	3.8L,3.1s		
ATH	IX	27 10 34 20.6	35.12N	25.27E	13–0	4.0L,3.1s		
IDC	IX	27 10 34 20.6–.67	35.27N	25.23E	0	4.1b,4.0		
THE	IX	27 10 34 21.4	35.1N–.80	25.3E–.40	6–1	3.8,3.8		
NEIC	IX	27 10 34 22.5–1.7	35.20N–.08	25.33E–.07	10–1	4.4b,3.8		
AFAD	IX	27 10 34 23.3	35.19N	25.46E	7–4	4.0W,3.8		
GFZ	IX	27 10 34 23.2–.28	35N–3.0	25E–2.0	10	5.8,5.6		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 10:35:36, This location: 2021/10/04 10:18:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**IX**	**27 08 34 29.1–.77**	**35.14N–.02**	**25.19E–.01**	**16–5**		**102**	**0-44**
IDC	IX	27 08 34 27.5–1.7	35.14N	25.09E	0	4.2L,3.9b		**¶621140693**
ATH	IX	27 08 34 28.9	35.14N	25.19E	15–0	3.2L,3.9b		
THE	IX	27 08 34 29.7	35.1N–.50	25.2E–.40	9–1	3.2,3.2		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 08:35:49, This location: 2021/10/04 10:27:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**27 12 02 25.9–.77**	**35.18N–.03**	**25.29E–.01**	**12–5**	**3.8b**	**116**	**0-134**
ATH	IX	27 12 02 25.9	35.17N	25.28E	14–0	3.5L		**¶621140712**
IDC	IX	27 12 02 25.7–1.2	35.16N	25.09E	0	3.9b,3.6		
THE	IX	27 12 02 26.2	35.2N–.80	25.3E–.50	3–1	3.3,3.3		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/09/27 12:03:38, This location: 2021/09/27 12:29:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**27 12 31 47.2–.75**	**35.18N–.02**	**25.29E–.01**	**12–4**	**3.9b**	**204**	**0-78**
ISK	IX	27 12 31 46.8	35.19N	25.25E	5–0	3.5L		**¶621140715**
ATH	IX	27 12 31 46.7	35.18N	25.30E	14–0	3.7L		
IDC	IX	27 12 31 46.2–.71	35.34N	25.21E	0	4.1b,4.0		
AFAD	IX	27 12 31 47.6	35.22N	25.46E	7–4	3.9W,4.0		
THE	IX	27 12 31 47.3	35.2N–.80	25.3E–.60	8–1	3.8,3.8		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/09/27 12:33:02, This location: 2021/09/27 12:43:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ATH	**IX**	**27 11 01 41.8**	**35.15N**	**25.25E**	**9–1**	**2.6L**		
THE	IX	27 11 01 42.1	35.2N–.80	25.3E–.50	10–1	2.8,2.8		**¶626166456**

ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/27 11:12:54, This location: 2021/09/27 11:12:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**27 16 15 30.4–.76**	**35.15N–.02**	**25.27E–.01**	**11–5**	**4.1b**	**198**	**0-85**
ISK	IX	27 16 15 29.5	35.15N	25.27E	5–0	3.6L		**¶621140730**
IDC	IX	27 16 15 29.7–.74	35.36N	25.21E	0	3.9b,3.8		
THE	IX	27 16 15 30.3	35.1N–.80	25.3E–.50	6–1	3.5,3.5		
ATH	IX	27 16 15 30.0	35.15N	25.26E	11–0	3.6L,3.5		
NEIC	IX	27 16 15 31.0–.79	35.14N–.08	25.18E–.05	11–3	4.4b,3.5		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/09/27 16:16:43, This location: 2021/09/27 16:34:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**27 11 02 26.4–.49**	**35.16N–.02**	**25.24E–.01**	**13–2**	**4.8b,3.7s**	**851**	**0-125**
GII	IX	27 11 02 24.1–.00	35.062N–.00	25.202E–.00	0	4.8,3.7s		**¶621110618**
BJI	IX	27 11 02 24.5	35.48N	25.00E	7	5.0b,4.9s		
MOS	IX	27 11 02 24.2–1.2	35.06N	25.15E	9	4.9b,4.9s		
IDC	IX	27 11 02 24.4–.49	35.20N	25.16E	0	4.5b,4.5		
ISK	IX	27 11 02 25.6	35.19N	25.23E	8–0	4.4L,4.5		
MED_R	IX	27 11 02 25.0	35.06N	25.22E	20	4.4W,4.5		
NEIC	IX	27 11 02 26.0–1.3	35.05N–.06	25.21E–.07	10–1	4.8b,4.5		
ATH	IX	27 11 02 25.7	35.18N	25.25E	13–0	4.7L,4.5		
MCSM	IX	27 11 02 26.2–.30	35N–3.0	25E–2.0	10	4.8,4.7b		
PDG	IX	27 11 02 26.3–.65	35.17N	25.24E	13–1	4.6L,4.7b		
GFZ	IX	27 11 02 26.2–.24	35N–3.0	25E–2.0	10	5.8,5.7		
AFAD	IX	27 11 02 26.9	35.35N	25.37E	7–5	4.2W,5.7		
SOF	IX	27 11 03 22.7	39N–1.0	24.4E–.20	18–1	3.7,5.7		

ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-1.18±.59 $M_{\theta\theta}$2.79±.46; $M_{\phi\phi}$0.00±.29; $M_{r\theta}$-2.03±.43; $M_{\theta\phi}$2.54±.32; $M_{\theta r}$-3.26±.50; NP1:ϕ_s289.00000°,δ39.00000°,λ-13.00000°. NP2:ϕ_s29.00000°,δ82.00000°,λ-128.00000°. Principal axes: T 5.5900,Plg27.0000°,Azm148.0000°; N -0.8900,Plg37.0000°,Azm35.0000°; P -4.7000,Plg41.0000°,Azm264.0000° $M_0$5.15000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/09/27 11:02:58, This location: 2021/09/29 11:47:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
PDG Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
SOF Event type ke.

ISC	**IX**	**27 14 22 47.2–.90**	**35.13N–.02**	**25.23E–.01**	**8–6**	**4.3b**	**191**	**0-84**
IDC	IX	27 14 22 46.3–1.0	35.03N	25.34E	0	4.3b,4.0		**¶621140718**
ATH	IX	27 14 22 46.6	35.14N	25.24E	15–0	3.6L,4.0		
ISK	IX	27 14 22 47.3	35.13N	25.18E	12–0	3.3L,4.0		
THE	IX	27 14 22 47.1	35.1N–.60	25.2E–.60	8–1	3.6,3.6		
AFAD	IX	27 14 22 48.2	35.14N	25.52E	6–11	3.9W,3.6		
NEIC	IX	27 14 22 48.7–1.5	35.2N–.10	25.19E–.07	10–2	4.4b,3.6		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/09/27 14:23:49, This location: 2021/09/27 14:30:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**27 14 35 13.1–.76**	**35.14N–.02**	**25.23E–.01**	**13–5**	**4.0b**	**177**	**0-118**
ISK	IX	27 14 35 12.9	35.08N	25.22E	5–0	3.5L		**¶621140719**
IDC	IX	27 14 35 12.2–.79	35.26N	25.19E	0	3.9b,3.8		
THE	IX	27 14 35 13.6	35.1N–.70	25.2E–.50	6–1	3.6,3.6		
ATH	IX	27 14 35 13.0	35.13N	25.24E	14–0	3.6L,3.6		
AFAD	IX	27 14 35 16.6	35.35N	25.39E	6–4	4.0W,3.6		

ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=10.1km az=5.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/09/27 14:36:26, This location: 2021/09/27 14:42:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**27 18 15 44.4–.76**	**35.13N–.02**	**25.23E–.01**	**13–5**	**3.8b**	**292**	**0-118**
ISK	IX	27 18 15 43.8	35.12N	25.22E	8–0	3.8L		**¶621115312**
IDC	IX	27 18 15 43.0–.77	35.21N	25.17E	0	3.8L,3.8b		
THE	IX	27 18 15 44.4	35.1N–.70	25.2E–.40	10–1	4.0,4.0		
ATH	IX	27 18 15 44.1	35.13N	25.24E	12–0	3.9L,4.0		
MCSM	IX	27 18 15 45.6–.50	35N–5.0	25E–4.0	10	4.0b,3.9		
AFAD	IX	27 18 15 50.0	35.34N	25.23E	35–80	3.8W,3.9		

ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=8.9km az=16.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/09/27 18:16:55, This location: 2021/09/27 18:27:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**27 14 49 27.5–.61**	**35.12N–.02**	**25.26E–.01**	**12–3**	**4.1b**	**264**	**0-118**
MOS	IX	27 14 49 24.7–1.4	34.99N	25.20E	10	4.7b		**¶626166448**
IDC	IX	27 14 49 25.9–.78	35.18N	25.26E	0	3.9b,3.8		
ATH	IX	27 14 49 26.6	35.14N	25.28E	15–0	3.7L,3.8		
ISK	IX	27 14 49 26.9	35.15N	25.26E	5–0	3.4L,3.8		
THE	IX	27 14 49 27.2	35.1N–.70	25.3E–.50	10–1	3.8,3.8		
NEIC	IX	27 14 49 27.2–1.7	34.99N–.04	25.14E–.06	10–1	4.2b,3.8		
AFAD	IX	27 14 49 33.1	35.18N	25.56E	6–2	3.1L,3.8		

ISC Event type ke.
MOS Error ellipse: s-maj=10.1km s-min=6.3km az=78.3.
IDC Error ellipse: s-maj=17.5km s-min=9.4km az=15.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/09/27 14:50:39, This location: 2021/09/27 15:04:40 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.1km az=237.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**27 14 01 20.6–.77**	**35.17N–.02**	**25.28E–.02**	**13–5**	**3.6b**	**104**	**0-45**
IDC	IX	27 14 01 19.2–1.4	35.18N	25.20E	0	3.7b,3.6		**¶621140716**
ATH	IX	27 14 01 20.1	35.17N	25.29E	14–0	3.3L,3.6		
THE	IX	27 14 01 20.7	35.2N–.70	25.3E–.50	8–2	3.4,3.4		

ISC Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/27 14:02:31, This location: 2021/09/27 14:45:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**27 23 13 41.9–.78**	**35.12N–.03**	**25.26E–.01**	**12–5**	**3.7b,2.7s**	**107**	**0-90**
ISK	IX	27 23 13 41.1	35.07N	25.25E	6–0	3.4L,2.7s		**¶621140750**
ATH	IX	27 23 13 41.5	35.11N	25.27E	14–1	3.5L,2.7s		
IDC	IX	27 23 13 41.4–1.0	35.22N	25.18E	0	3.8b,3.7		
THE	IX	27 23 13 42.2	35.1N–.70	25.3E–.50	6–2	3.5,3.5		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/27 23:26:01, This location: 2021/09/27 23:24:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	**IX**	**27 20 10 01.4–.61**	**35.15N–.02**	**25.22E–.01**	**12–3**	**4.6b,3.5s**	**770**	**0-125**
IDC	IX	27 20 09 60.0–.52	35.33N	25.15E	0	4.4b,4.3		**¶621111113**
MOS	IX	27 20 09 59.4–1.4	35.09N	25.16E	9	4.8b,4.3		
ISK	IX	27 20 09 59.9	35.11N	25.21E	9–0	4.3L,4.3		
THE	IX	27 20 10 00.8	35.1N–.90	25.2E–.50	9–1	4.6,4.6		
BJI	IX	27 20 10 00.0	35.10N	25.20E	10	4.9b,4.7b		
ATH	IX	27 20 10 00.4	35.13N	25.25E	14–0	4.4L,4.7b		
MED_R	IX	27 20 10 01.0	35.15N	25.17E	16	4.4W,4.7b		
NEIC	IX	27 20 10 01.5–1.4	35.20N–.07	25.23E–.05	10–1	4.7b,4.7b		
AFAD	IX	27 20 10 02.2	35.09N	25.42E	15–2	4.2W,4.7b		
PDG	IX	27 20 10 02.0–.73	35.20N	25.16E	9–2	4.4L,4.7b		
GFZ	IX	27 20 10 02.4–.21	35N–2.0	25E–2.0	10	4.9b,4.5b		
MCSM	IX	27 20 10 02.1–.20	35N–3.0	25E–2.0	10	4.5,4.4b		

ISC Event type ke.

ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/27 20:11:13, This location: 2021/09/27 20:13:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-1.18±.35 $M_{\theta\theta}$1.48±.28; $M_{\phi\phi}$0.00±.21; $M_{r\theta}$1.73±.49; $M_{\theta\phi}$4.19±.23; $M_{\phi r}$0.15±.37; NP1: ϕ_s6.00000°,δ66.00000°,λ-175.00000°. NP2:ϕ_s274.00000°,δ85.00000°,λ-24.00000°. Principal axes: T 5.2000,Plg13.0000°,Azm322.0000°; N -1.1500,Plg66.0000°,Azm83.0000° ; P -4.0500,Plg20.0000°,Azm228.0000° $M_0$4.63000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
PDG Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**IX**	**27 23 26 28.1–.80**	**35.13N–.02**	**25.22E–.01**	**12–5**	**3.6b**	**114**	**0-45**
ATH	IX	27 23 26 27.8	35.14N	25.23E	12–0	3.2L		**¶621140751**
ISK	IX	27 23 26 27.0	35.06N	25.20E	11–0	3.2L		
IDC	IX	27 23 26 27.1–1.3	35.16N	25.18E	0	3.5b,3.4		
THE	IX	27 23 26 28.1	35.1N–.70	25.2E–.40	8–1	3.2,3.2		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/27 23:27:41, This location: 2021/09/28 06:02:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**IX**	**27 23 29 50.1–.78**	**35.14N–.02**	**25.23E–.01**	**12–5**	**3.8b**	**128**	**0-45**
ISK	IX	27 23 29 49.3	35.12N	25.21E	18–0	3.3L		**¶621140753**
ATH	IX	27 23 29 49.9	35.14N	25.23E	16–0	3.5L		
IDC	IX	27 23 29 49.8–.98	35.17N	25.15E	0	3.8b,3.6		
THE	IX	27 23 29 50.3	35.1N–.80	25.2E–.60	10–1	3.5,3.5		
AFAD	IX	27 23 29 54.7	35.28N	25.72E	5–4	2.5L,3.5		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/27 23:31:02, This location: 2021/09/27 23:39:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=21.1km s-min=10.6km az=16.0.
AFAD Event type se. Presumed earthquake.

ISK	**IX**	**28 02 11 53.0**	**35.42N**	**25.27E**	**5–0**	**1.7L**		**¶621819279**

ISK Event type ke.

ISC	**IX**	**27 20 44 09.1–1.6**	**35.20N–.05**	**25.39E–.03**	**2–13**		**25**	**0-44**
ISK	IX	27 20 44 09.5	35.22N	25.40E	12–0	2.6L		**¶621140737**
IDC	IX	27 20 44 09.9–1.8	35.18N	25.23E	0	4.0L,3.5b		

ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=77.3km s-min=28.3km az=132.0.

ISC	**IX**	**27 20 56 41.8–.74**	**35.17N–.02**	**25.28E–.01**	**14–4**	**3.7b**	**118**	**0-53**
ISK	IX	27 20 56 40.9	35.01N	25.25E	6–0	3.1L		**¶621140739**
IDC	IX	27 20 56 40.8–1.1	35.28N	25.16E	0	3.6b,3.5s		
ATH	IX	27 20 56 41.5	35.17N	25.28E	14–1	3.3L,3.5s		
THE	IX	27 20 56 42.1	35.2N–.70	25.3E–.50	8–2	3.3,3.3		
AFAD	IX	27 20 56 49.0	35.10N	26.25E	7–73	2.7L,3.3		

ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=13.9km az=20.0.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/27 20:57:55, This location: 2021/09/27 21:05:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**27 21 29 21.3–.88**	**35.13N–.03**	**25.25E–.02**	**8–6**	**3.9b**	**120**	**0-85**
ISK	IX	27 21 29 20.5	35.04N	25.15E	6–0	3.2L		**¶621140742**
ATH	IX	27 21 29 20.6	35.14N	25.25E	16–1	3.4L		
IDC	IX	27 21 29 21.0–.95	35.14N	25.13E	0	3.9b,3.7		
THE	IX	27 21 29 21.1	35.1N–.70	25.3E–.50	5–2	3.4,3.4		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/27 21:30:34, This location: 2021/09/27 21:38:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	**IX**	**28 08 34 15.8–.00**	**35.15N–.03**	**25.22E–.01**	**5–7**	**3.9b**	**101**	**0-78**
ATH	IX	28 08 34 15.0	35.16N	25.23E	15–0	3.6L		**¶621140816**
THE	IX	28 08 34 15.8	35.1N–.60	25.2E–.40	9–1	3.7,3.7		
IDC	IX	28 08 34 16.3–1.2	35.10N	25.05E	0	3.9b,3.7		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/28 08:35:27, This location: 2021/09/28 08:39:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=30.1km s-min=19.0km az=155.0.

ISC	**IX**	**27 21 37 11.2–.50**	**35.19N–.02**	**25.31E–.01**	**11–3**	**4.6b,3.6s**	**953**	**0-125**
MOS	IX	27 21 37 08.8–1.3	35.08N	25.32E	5	4.9b,3.6s		**¶621111117**
BJI	IX	27 21 37 09.0	35.10N	25.30E	10	5.0b,4.8b		
GII	IX	27 21 37 09.4–.00	35.019N–.00	25.420E–.00	0–0	4.7,4.8b		
MED_R	IX	27 21 37 10.0	35.07N	25.27E	10	4.4W,4.8b		
ATH	IX	27 21 37 10.4	35.16N	25.31E	14–0	4.4L,4.8b		
THE	IX	27 21 37 10.9	35N–1.0	25.3E–.50	9–1	4.5,4.5		
IDC	IX	27 21 37 10.3–.44	35.35N	25.32E	0	4.5b,4.4		
PDG	IX	27 21 37 10.4–.44	35.21N	25.26E	10–1	4.5L,4.4		
NAO	IX	27 21 37 10.8	34.95N	24.51E	10	3.7b,4.4		
AFAD	IX	27 21 37 10.9	35.08N	25.50E	9–3	4.2W,4.4		
ISK	IX	27 21 37 10.1	35.13N	25.26E	9–0	4.4L,4.4		
GFZ	IX	27 21 37 11.8–.26	35N–3.0	25E–2.0	10	5.6,5.4		
NEIC	IX	27 21 37 11.4–1.6	35.23N–.07	25.32E–.03	10–1	4.7b,4.3		
NEIC	IX	27 21 37 11.5	35.24N	25.32E	10	4.7b,4.3		

ISC Event type ke.
MOS Error ellipse: s-maj=4.8km s-min=2.5km az=92.2.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-4.18±.25 $M_{\theta\theta}$0.84±.22; $M_{\phi\phi}$0.00±.16; $M_{r\theta}$-1.46±.57; $M_{\theta\phi}$2.23±.20; $M_{\phi r}$-0.64±.43; NP1: ϕ_s197.00000°,δ38.00000°,λ-110.00000°. NP2:ϕ_s43.00000°,δ54.00000°,λ-75.00000°. Principal axes: T 4.8300,Plg8.0000°,Azm122.0000°; N -0.2600,Plg12.0000°,Azm214.0000° ; P -4.5700,Plg75.0000°,Azm359.0000° $M_0$4.70000×10^{15}
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/09/27 21:38:22, This location: 2021/09/27 21:42:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=10.8km s-min=7.8km az=12.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
NAO Event type se. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=3.9km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.52 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$2.72 $M_{r\theta}$-0.10 $M_{\theta\phi}$1.31 $M_{\phi r}$1.87 NP1:ϕ_s185.76000°,δ62.30000°,λ-107.02000°. NP2:ϕ_s39.13000°,δ32.16000° ,λ-60.86000°. Principal axes: T 3.7005,Plg16.0000°,Azm288.0000°; N -0.4948,Plg15.0000° ,Azm194.0000°; P -3.2057,Plg68.0000°,Azm62.0000° $M_0$3.48000×10^{15}
NEIC Event type se.

ISC	**IX**	**28 08 39 16.7–.93**	**35.12N–.02**	**25.22E–.02**	**7–7**	**3.4b**	**90**	**0-44**
THE	IX	28 08 39 16.4	35.1N–.60	25.2E–.40	11–1	3.4,3.4		**¶621140817**
ATH	IX	28 08 39 16.1	35.12N	25.22E	7–1	3.4L,3.4		
IDC	IX	28 08 39 16.7–1.5	35.03N	25.13E	0	3.8L,3.8b		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/28 08:40:29, This location: 2021/09/28 08:57:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=43.7km s-min=25.0km az=140.0.

ISC	**IX**	**28 15 13 16.2–.53**	**35.15N–.02**	**25.26E–.01**	**12–3**	**4.6b,3.6s**	**650**	**0-118**
IDC	IX	28 15 13 14.8–.55	35.19N	25.22E	0	4.3b,4.3		**¶621112119**
ISK	IX	28 15 13 14.9	35.18N	25.25E	7–0	4.4L,4.3		
MOS	IX	28 15 13 14.1–1.3	35.03N	25.30E	8	4.8b,4.3		
THE	IX	28 15 13 15.3	35.1N–.80	25.3E–.50	11–1	4.6,4.6		
ATH	IX	28 15 13 15.1	35.15N	25.27E	14–0	4.6L,4.6		
MCSM	IX	28 15 13 15.3–1.4	35N–4.0	25E–3.0	10–11	4.9b,4.6		
AFAD	IX	28 15 13 15.6	35.38N	25.29E	7–4	4.3W,4.6		
GFZ	IX	28 15 13 16.0–.26	35N–3.0	25E–2.0	10	5.1b,4.5		
MED_R	IX	28 15 13 16.0	35.05N	25.23E	11	4.7W,4.5		
NEIC	IX	28 15 13 16.9–1.4	35.21N–.08	25.28E–.06	10–1	4.7b,4.5		
GCMT	IX	28 15 13 16.2–.40	35.06N–.04	24.94E–.03	23–1	4.8W,4.5		
GFZ	IX	28 15 13 16.0	35.10N	25.28E	10	4.6W,4.5		

ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=8.4km az=16.0.
ISK Event type ke.
MOS Error ellipse: s-maj=5.5km s-min=3.0km az=88.9.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/09/28 15:14:16, This location: 2021/09/28 15:29:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
GFZ Error ellipse: s-maj=7.6km s-min=3.9km az=22.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.95±.08 $M_{\theta\theta}$0.13±.05; $M_{\phi\phi}$0.00±.05; $M_{r\theta}$-0.69±.16; $M_{\theta\phi}$0.39±.04; $M_{\phi r}$-0.23±.12; NP1: ϕ_s185.00000°,δ35.00000°,λ-127.00000°. NP2:ϕ_s48.00000°,δ63.00000°,λ-67.00000°. Principal axes: T 1.1200,Plg15.0000°,Azm121.0000°; N 0.1600,Plg20.0000°,Azm217.0000° ; P -1.2800,Plg64.0000°,Azm357.0000° $M_0$1.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.5km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109281513A. Moment Tensor Solution. s19,c21; s82,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.94±.16 $M_{\theta\theta}$0.58±.09; $M_{\phi\phi}$1.36±.09; $M_{r\theta}$-0.05±.13; $M_{\theta\phi}$0.72±.05; $M_{\phi r}$0.82±.11; Best double couple: NP1:ϕ_s41.00000°,δ36.00000° ,λ-72.00000°. NP2:ϕ_s199.00000°,δ56.00000°,λ-103.00000°. Principal axes: T 1.9110,Plg10.0000°,Azm298.0000°; N 0.2400,Plg10.0000°,Azm206.0000° ; P -2.1500,Plg75.0000°,Azm72.0000° $M_0$2.03000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-9.09 $M_{\theta\theta}$0.24 $M_{\phi\phi}$8.85 $M_{r\theta}$0.24 $M_{\theta\phi}$2.54 $M_{\phi r}$-1.03 NP1: ϕ_s198.57836°,δ42.24783°,λ-85.12915°. NP2:ϕ_s12.01131°,δ47.93983°,λ-94.40997°. Principal axes: T 9.5890,Plg2.8507°,Azm105.1320°; N -0.4239,Plg3.2727°,Azm14.9688° ; P -9.1651,Plg85.6578°,Azm236.1114° $M_0$9.38423×10^{15}

ISC	**IX**	**28 06 52 12.3–.79**	**35.18N–.03**	**25.22E–.02**	**13–5**	**3.9b**	**91**	**0-45**
ATH	IX	28 06 52 11.3	35.15N	25.23E	15–0	3.4L		**¶621140805**
THE	IX	28 06 52 11.9	35.2N–.90	25.2E–.50	0–3	3.4,3.4		
IDC	IX	28 06 52 11.4–1.3	35.18N	25.16E	0	3.9b,3.9		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/28 06:53:17, This location: 2021/09/28 07:03:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=49.0km s-min=23.1km az=146.0.

ISC	**IX**	**28 07 28 04.4–.86**	**35.15N–.02**	**25.31E–.01**	**8–6**	**3.9b,3.3s**	**166**	**0-85**
IDC	IX	28 07 28 03.7–.81	35.06N	25.37E	0	4.0b,3.9		**¶621140808**
ISK	IX	28 07 28 03.9	35.19N	25.28E	5–0	3.7L,3.9		
ATH	IX	28 07 28 03.9	35.17N	25.32E	14–0	3.9L,3.9		
THE	IX	28 07 28 04.2	35.2N–.90	25.3E–.40	9–1	3.8,3.8		
AFAD	IX	28 07 28 05.2	34.86N	25.43E	7–3	4.0W,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=14.5km az=157.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/28 07:29:09, This location: 2021/09/28 07:36:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**28 07 39 37.0–.86**	**35.14N–.03**	**25.23E–.01**	**10–6**		**98**	**0-75**
ISK	IX	28 07 39 36.2	35.20N	25.24E	12–0	3.3L		**¶621140809**
ATH	IX	28 07 39 36.6	35.13N	25.22E	9–1	3.4L		
IDC	IX	28 07 39 36.9–1.7	35.00N	25.23E	0	4.0L,4.0b		
THE	IX	28 07 39 37.0	35.1N–.60	25.2E–.40	4–1	3.4,3.4		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/28 07:40:41, This location: 2021/09/28 07:47:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**28 08 17 10.2–.86**	**35.17N–.02**	**25.31E–.01**	**8–6**	**3.9b**	**147**	**0-48**
ATH	IX	28 08 17 09.4	35.15N	25.32E	11–1	3.6L		**¶621140812**
IDC	IX	28 08 17 09.8–1.2	34.94N	25.54E	0	4.0b,3.8		
ISK	IX	28 08 17 09.3	35.17N	25.30E	3–0	3.6L,3.8		
THE	IX	28 08 17 09.8	35.2N–.70	25.3E–.40	8–1	3.6,3.6		
AFAD	IX	28 08 17 17.3	35.19N	26.11E	7–3	2.8L,3.6		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/28 08:18:15, This location: 2021/09/28 08:30:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=21.1km s-min=17.9km az=23.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**28 08 20 22.5–.74**	**35.17N–.02**	**25.24E–.01**	**14–4**	**3.9b**	**166**	**0-45**
IDC	IX	28 08 20 21.5–.98	35.33N	25.09E	0	4.0b,4.0		**¶621140813**
THE	IX	28 08 20 22.5	35.2N–.60	25.3E–.40	10–0	3.8,3.8		
ATH	IX	28 08 20 22.3	35.18N	25.23E	17–0	3.8L,3.8		
ISK	IX	28 08 20 22.4	35.16N	25.23E	9–0	3.6L,3.8		
AFAD	IX	28 08 20 25.9	35.26N	25.70E	7–3	3.8W,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=13.8km az=12.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/28 08:21:35, This location: 2021/09/28 08:25:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**28 05 11 10.3–.80**	**35.16N–.03**	**25.27E–.02**	**13–5**	**3.6b**	**84**	**0-45**
IDC	IX	28 05 11 09.9–1.4	34.83N	25.66E	0	3.9L,3.7b		**¶621801419**
THE	IX	28 05 11 10.9	35.2N–.50	25.3E–.40	2–1	3.1,3.1		
ATH	IX	28 05 11 10.3	35.14N	25.26E	14–0	3.2L,3.1		

ISC Event type ke.
IDC Error ellipse: s-maj=39.0km s-min=21.7km az=152.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/28 05:12:53, This location: 2021/09/28 05:36:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**28 04 48 09.5–.37**	**35.17N–.02**	**25.22E–.01**	**13–2**	**5.4b,4.7s**	**1753**	**0-162**
BJI	IX	28 04 48 03.5	34.95N	24.69E	10	5.6b,5.3b		**¶621801416**
GII	IX	28 04 48 07.5–.00	35.11N	25.25E	0	5.1,5.3b		
ISK	IX	28 04 48 07.9	35.15N	25.19E	6–0	5.4L,5.3b		
MOS	IX	28 04 48 07.6–1.2	35.07N	25.24E	13	5.6b,4.6s		
NAO	IX	28 04 48 07.2	34.95N	24.51E	10	4.7b,4.6s		
IDC	IX	28 04 48 07.4–.37	35.22N	25.25E	0	5.1b,5.0		
THE	IX	28 04 48 08.9	35.1N–.60	25.2E–.40	11–0	5.3,5.3		
PDG	IX	28 04 48 08.3–.46	35.05N	25.22E	12–1	5.3L,5.3		
NEIC	IX	28 04 48 08.7–1.9	35.08N–.05	25.20E–.04	10–1	5.4b,5.2		
GFZ	IX	28 04 48 09.6–.19	35N–2.0	25E–1.0	10	5.5b,5.4L		
NEIC	IX	28 04 48 09.4	35.16N	25.21E	10	5.5b,5.4L		
MCSM	IX	28 04 48 09.2–1.5	35N–3.0	25E–2.0	10–10	5.6,5.5b		
ATH	IX	28 04 48 09.2	35.15N	25.22E	11–1	5.3L,5.5b		
MED_R	IX	28 04 48 09.0	35.11N	25.19E	15	5.3W,5.5b		
NEIC	IX	28 04 48 09.4	35.16N	25.22E	10	5.3W,5.5b		
GCMT	IX	28 04 48 10.4–.10	35.06N–.01	25.03E–.01	20–0	5.2W,5.5b		
GFZ	IX	28 04 48 10.0	35.11N	25.20E	10	5.2W,5.5b		
NEIC	IX	28 04 48 10	35.06N	25.22E	14	5.3,5.5b		
PTWC	IX	28 04 48 11	35.00N	25.20E		5.5,5.5b		
AFAD	IX	28 04 48 13.0	35.17N	25.26E	35–316	5.0W,5.5b		

BEO IX 28 04 48 14.0–.60 35.19N 24.58E 12 4.9L,5.5b
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
MOS Error ellipse: s-maj=3.7km s-min=2.1km az=92.7.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=9.2km s-min=5.9km az=4.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.6km az=343.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.42 $M_{\theta\theta}$0.52 $M_{\phi\phi}$6.90 $M_{r\theta}$1.61 $M_{\theta\phi}$5.37 $M_{\phi r}$-2.38 NP1:ϕ_s8.72000°,δ53.37000°,λ-118.87000°. NP2:ϕ_s231.46000°,δ45.35000°,λ-57.00000°. Principal axes: T 10.0511,Plg4.0000°,Azm119.0000°; N -1.4495,Plg23.0000°,Azm27.0000°; P -8.6016,Plg67.0000°,Azm219.0000° $M_0$9.41000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/28 04:49:18, This location: 2021/09/30 19:28:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17} Nm; M_{rr}-0.60±.04 $M_{\theta\theta}$0.14±.03; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$0.04±.04; $M_{\theta\phi}$0.74±.02; $M_{\phi r}$-0.56±.05; NP1: ϕ_s252.00000°,δ43.00000°,λ-35.00000°. NP2:ϕ_s9.00000°,δ67.00000°,λ-128.00000°. Principal axes: T 1.1600,Plg14.0000°,Azm126.0000°; N -0.1800,Plg34.0000°,Azm26.0000°; P -0.9800,Plg52.0000°,Azm234.0000° $M_0$1.07000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109280448A. Moment Tensor Solution. s98,c159; s134,c257;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.65±.02 $M_{\theta\theta}$0.16±.01; $M_{\phi\phi}$0.49±.01; $M_{r\theta}$0.10±.03; $M_{\theta\phi}$0.87±.01; $M_{\phi r}$-0.03±.03; Best double couple: NP1:ϕ_s11.00000°,δ53.00000°,λ-133.00000°. NP2:ϕ_s248.00000°,δ55.00000°,λ-48.00000°. Principal axes: T 1.2090,Plg1.0000°,Azm310.0000°; N -0.4990,Plg33.0000°,Azm40.0000°; P -0.7100,Plg57.0000°,Azm218.0000° $M_0$0.95900×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.34 $M_{\theta\theta}$2.36 $M_{\phi\phi}$4.97 $M_{r\theta}$1.36 $M_{\theta\phi}$1.90 $M_{\phi r}$-0.26 NP1: ϕ_s216.37031°,δ47.36215°,λ-78.50157°. NP2:ϕ_s19.65437°,δ43.87237°,λ-102.21571°. Principal axes: T 5.9848,Plg1.7636°,Azm298.2633°; N 1.5590,Plg8.4326°,Azm28.5248°; P -7.5439,Plg81.3824°,Azm196.5410° $M_0$6.89779×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.09 $M_{\theta\theta}$2.04 $M_{\phi\phi}$3.05 $M_{r\theta}$-1.13 $M_{\theta\phi}$6.77 $M_{\phi r}$-4.71 NP1:ϕ_s256.50000°,δ40.34000°,λ-36.44000°. NP2:ϕ_s15.87000°,δ67.39000°,λ-124.34000°. Principal axes: T 10.5031,Plg15.0000°,Azm130.0000°; N -2.7553,Plg31.0000°,Azm31.0000°; P -7.7478,Plg54.0000°,Azm243.0000° $M_0$9.43000×10^{16}
AFAD Event type se. Presumed earthquake.
BEO Event type ke.

ISC	**IX**	**28 22 57 16.8–.71**	**35.15N–.03**	**25.20E–.02**	**16–4**	**3.5b**	**113**	**0-45**
IDC	IX	28 22 57 15.3–.93	35.25N	25.18E	0	3.7b,3.5	**¶621801497**	
ISK	IX	28 22 57 16.2	35.15N	25.21E	9–0	3.5L,3.5		
ATH	IX	28 22 57 16.6	35.14N	25.20E	14–0	3.4L,3.5		
THE	IX	28 22 57 17.0	35.1N–.60	25.2E–.40	10–2	3.5,3.5		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/28 22:58:19, This location: 2021/09/28 23:05:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**28 12 09 50.6–.71**	**35.14N–.02**	**25.25E–.01**	**11–4**	**3.9b**	**192**	**0-78**
IDC	IX	28 12 09 49.1–.85	35.15N	25.23E	0	4.0b,3.9	**¶621140829**	
THE	IX	28 12 09 50.4	35.2N–.80	25.3E–.50	11–2	3.9,3.9		
ATH	IX	28 12 09 50.7	35.14N	25.24E	10–0	3.9L,3.9		
AFAD	IX	28 12 09 55.2	35.59N	25.52E	7–5	3.9W,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=9.4km az=16.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/09/28 12:10:47, This location: 2021/09/28 12:26:40 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**28 08 29 05.8–.84**	**35.14N–.03**	**25.22E–.01**	**10–6**	**3.6b**	**98**	**0-59**
IDC	IX	28 08 29 04.6–1.4	35.02N	25.34E	0	4.1L,3.8b	**¶621140814**	
ATH	IX	28 08 29 05.4	35.14N	25.23E	11–1	3.6L,3.8b		
THE	IX	28 08 29 05.7	35.1N–.50	25.2E–.30	8–1	3.5,3.5		

ISC Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/09/28 08:30:18, This location: 2021/11/21 11:25:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**28 06 25 48.1–.83**	**35.17N–.02**	**25.22E–.01**	**10–5**		**96**	**0-44**
IDC	IX	28 06 25 47.8–1.4	35.25N	24.98E	0	3.9b,3.7L	**¶621140804**	
THE	IX	28 06 25 47.7	35.2N–.60	25.2E–.40	8–1	3.3,3.3		
ATH	IX	28 06 25 47.5	35.16N	25.23E	12–0	3.3L,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=73.3km s-min=24.3km az=135.0.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/09/28 06:27:02, This location: 2021/09/28 07:15:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**29 00 17 03.0–.75**	**35.14N–.02**	**25.22E–.01**	**10–4**	**3.5b**	**125**	**0-45**
ISK	IX	29 00 17 02.3	35.08N	25.21E	9–0	3.1L	**¶621146349**	
ATH	IX	29 00 17 02.7	35.14N	25.22E	11–0	3.2L		
IDC	IX	29 00 17 02.6–1.1	35.04N	25.23E	0	3.7b,3.4		
THE	IX	29 00 17 03.0	35.1N–.90	25.2E–.50	9–1	3.3,3.3		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/29 00:18:08, This location: 2021/09/29 00:41:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**28 18 56 02.9–.80**	**35.21N–.03**	**25.30E–.02**	**8–5**		**73**	**0-44**
IDC	IX	28 18 56 01.8–1.5	35.15N	25.36E	0	3.7L,3.5b	**¶621140843**	
THE	IX	28 18 56 02.8	35.2N–.60	25.3E–.40	6–2	2.9,2.9		
ISK	IX	28 18 56 02.3	35.29N	25.29E	8–0	2.8L,2.9		
ATH	IX	28 18 56 02.8	35.21N	25.30E	9–1	3.0L,2.9		

ISC Event type ke.
IDC Error ellipse: s-maj=72.7km s-min=26.1km az=136.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/28 18:57:10, This location: 2021/09/28 19:03:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**29 04 06 34.0–.78**	**35.20N–.03**	**25.27E–.02**	**12–5**	**3.7b**	**112**	**0-45**
IDC	IX	29 04 06 32.5–1.4	35.02N	25.50E	0	3.7b,3.5	**¶621801515**	
ISK	IX	29 04 06 33.6	35.18N	25.28E	9–0	2.9L,3.5		
ATH	IX	29 04 06 33.2	35.19N	25.28E	19–0	3.2L,3.5		
THE	IX	29 04 06 34.0	35.2N–.70	25.3E–.40	8–1	3.1,3.1		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/09/29 04:07:35, This location: 2021/09/29 04:37:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ATH	**IX**	**28 20 39 00.0**	**35.15N**	**25.30E**	**6–0**	**2.1L**		
							¶621819340	

ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/29 00:42:32, This location: 2021/09/29 00:53:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**29 05 51 52.1–.79**	**35.15N–.03**	**25.20E–.01**	**12–5**	**3.5b**	**122**	**0-44**
AFAD	IX	29 05 51 49.6	35.26N	25.28E	4–5	2.9L	**¶621146355**	
ISK	IX	29 05 51 50.8	35.10N	25.21E	8–0	3.3L		
IDC	IX	29 05 51 51.6–1.3	35.14N	24.97E	0	3.7b,3.6		
ATH	IX	29 05 51 51.5	35.16N	25.21E	18–0	3.5L,3.6		
THE	IX	29 05 51 52.1	35.1N–.70	25.2E–.50	9–1	3.5,3.5		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/09/29 05:52:55, This location: 2021/09/29 05:58:35 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**29 17 00 50.3–.76**	**35.14N–.03**	**25.23E–.02**	**11–4**	**3.7b**	**93**	**0-84**
AFAD	IX	29 17 00 46.0	35.41N	24.80E	6–27	2.7L	**¶621146387**	
IDC	IX	29 17 00 48.6–1.6	34.98N	25.06E	0	3.8s,3.7b		
ISK	IX	29 17 00 49.6	35.10N	25.27E	5–0	3.0L,3.7b		
THE	IX	29 17 00 50.5	35.1N–.90	25.3E–.50	12–2	3.2,3.2		
ATH	IX	29 17 00 50.6	35.12N	25.26E	9–0	3.1L,3.2		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=72.6km s-min=24.5km az=138.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/29 17:01:42, This location: 2021/09/29 17:07:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**29 12 42 41.4–.76**	**35.13N–.03**	**25.20E–.02**	**14–4**		**70**	**0-44**
IDC	IX	29 12 42 39.6–1.6	35.16N	25.19E	0	3.8b,3.5	**¶621146374**	
ATH	IX	29 12 42 41.3	35.12N	25.20E	12–0	3.4L,3.5		
THE	IX	29 12 42 41.3	35.1N–.60	25.2E–.40	9–2	3.3,3.3		

ISC Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/09/29 12:43:29, This location: 2021/09/29 13:08:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**30 03 54 08.6–1.4**	**35.18N–.04**	**25.24E–.02**	**7–8**		**32**	**0-1**
ATH	IX	30 03 54 08.3	35.17N	25.23E	7–1	2.3L	**¶626166663**	
THE	IX	30 03 54 08.5	35.2N–.80	25.2E–.40	3–3	2.5,2.5		

ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/09/30 05:06:53, This location: 2021/09/30 04:58:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	**IX**	**29 20 38 12.6–.72**	**35.11N–.03**	**25.23E–.01**	**12–4**	**3.6b**	**111**	**0-45**
THE	IX	29 20 38 12.9	35.1N–.60	25.2E–.50	7–2	3.1,3.1	**¶626166543**	
ISK	IX	29 20 38 12.2	35.13N	25.21E	6–0	2.9L,3.1		
ATH	IX	29 20 38 12.4	35.13N	25.23E	13–0	3.1L,3.1		
IDC	IX	29 20 38 13.5–1.4	34.83N	25.25E	0	3.7b,3.4		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/29 20:38:24, This location: 2021/09/29 21:28:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=44.1km s-min=21.3km az=141.0.

AFAD	**IX**	**29 20 38 30.0**	**35.49N**	**26.56E**	**38–440**	**2.7L**		
							¶635706680	
AFAD		Event type se. Presumed earthquake.						
ATH	**IX**	**29 20 38 43.2**	**35.14N**	**25.23E**	**7–1**	**2.8L**		
							¶621146397	

ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/29 21:37:11, This location: 2021/09/29 21:36:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**29 21 01 19.3–.77**	**35.13N–.03**	**25.26E–.01**	**10–4**		**114**	**0-88**
ISK	IX	29 21 01 18.9	35.07N	25.24E	8–0	2.7L	**¶621146398**	
ATH	IX	29 21 01 19.0	35.12N	25.27E	9–1	3.0L		
THE	IX	29 21 01 19.1	35.1N–.70	25.3E–.40	9–3	3.0,3.0		
IDC	IX	29 21 01 19.2–1.6	35.15N	25.19E	0	3.7L,3.7s		
AFAD	IX	29 21 01 33.0	35.63N	26.00E	101–144	2.6L,3.7s		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/29 21:02:11, This location: 2021/09/29 23:53:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=38.2km s-min=26.2km az=151.0.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**29 21 22 37.4–.71**	**35.17N–.02**	**25.29E–.01**	**10–4**	**3.5b**	**110**	**0-45**
IDC	IX	29 21 22 37.2–1.1	35.26N	25.23E	0	3.6b,3.4	**¶621801572**	
THE	IX	29 21 22 37.6	35.2N–.70	25.3E–.40	11–1	3.1,3.1		
ISK	IX	29 21 22 37.2	35.12N	25.25E	14–0	2.7L,3.1		
ATH	IX	29 21 22 37.2	35.17N	25.30E	13–0	3.2L,3.1		

ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=11.7km az=174.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/29 21:23:00, This location: 2021/09/30 00:35:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**29 11 54 49.3–.48**	**35.10N–.02**	**25.19E–.01**	**16–2**	**4.5b,3.2s**	**585**	**0-125**
BJI	IX	29 11 54 43.9	34.39N	25.14E	6	4.7b,3.2s	**¶621801539**	
MOS	IX	29 11 54 46.7–1.0	35.08N	25.17E	7	4.8b,3.2s		
MCSM	IX	29 11 54 47.2–.80	35N–6.0	25E–6.0	12–4	5.0b,4.8		
AFAD	IX	29 11 54 47.8	34.95N	25.32E	7–5	4.2W,4.8		
MED_R	IX	29 11 54 48.0	34.97N	25.07E	20	4.4W,4.8		
IDC	IX	29 11 54 48.2–.53	35.32N	25.19E	0	4.4b,4.3L		
NEIC	IX	29 11 54 48.9–1.7	35.03N–.05	25.16E–.06	10–1	4.6b,4.3L		
ISK	IX	29 11 54 49.6	35.19N	25.21E	9–0	4.2L,4.3L		
GFZ	IX	29 11 54 49.9–.28	35N–3.0	25E–2.0	10	4.8b,4.5b		
ATH	IX	29 11 54 49.8	35.14N	25.21E	16–0	4.6L,4.5b		
THE	IX	29 11 54 50.2	35.1N–1.0	25.2E–.60	10–1	4.3,4.3		
GII	IX	29 11 54 51.8–.00	34.740N–.00	25.430E–.00	0	4.1,4.3		
BEO	IX	29 11 54 53.4–.90	35.18N	24.66E	0	4.0L,4.3		

ISC Event type ke.
MOS Error ellipse: s-maj=6.0km s-min=3.7km az=85.5.
AFAD Event type se. Presumed earthquake.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-2.48±.72 $M_{\theta\theta}$1.75±.56; $M_{\phi\phi}$0.00±.55; $M_{r\theta}$-1.22±.74; $M_{\theta\phi}$3.57±.41; $M_{\phi r}$0.63±.48; NP1: ϕ_s194.00000°,δ56.00000°,λ-146.00000°. NP2:ϕ_s83.00000°,δ62.00000°,λ-40.00000°. Principal axes: T 4.8900,Plg4.0000°,Azm140.0000°; N -1.1600,Plg43.0000°,Azm234.0000°; P -3.7100,Plg47.0000°,Azm45.0000° $M_0$4.30000×10^{15}
IDC Error ellipse: s-maj=12.6km s-min=8.1km az=179.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.1km az=232.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
GFZ Error ellipse: s-maj=7.2km s-min=4.8km az=12.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/29 11:55:16, This location: 2021/09/29 12:02:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
BEO Event type ke.

ISC	**IX**	**30 09 09 12.5–.82**	**35.19N–.02**	**25.29E–.02**	**6–5**		**71**	**0-44**
THE	IX	30 09 09 12.3	35.2N–.70	25.3E–.50	9–1	3.0,3.0	**¶621147756**	
ATH	IX	30 09 09 12.3	35.17N	25.30E	8–0	2.9L,3.0		
IDC	IX	30 09 09 12.3–1.6	35.28N	25.20E	0	3.8b,3.6		

ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/09/30 09:09:56, This location: 2021/09/30 09:55:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=22.4km s-min=15.4km az=159.0.

ISC	**IX**	**30 05 42 33.4–.71**	**35.13N–.03**	**25.19E–.01**	**13–4**	**3.6b**	**158**	**0-60**
IDC	IX	30 05 42 31.4–1.2	35.08N	25.12E	0	3.7b,3.6L	**¶621147744**	
ISK	IX	30 05 42 32.7	35.08N	25.18E	5–0	3.5L,3.6L		
ATH	IX	30 05 42 33.2	35.12N	25.20E	11–0	3.5L,3.6L		
THE	IX	30 05 42 33.2	35.1N–.80	25.2E–.50	13–1	3.5,3.5		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/09/30 06:07:51, This location: 2021/09/30 06:02:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**30 05 42 51.2–1.2**	**35.13N–.03**	**25.20E–.02**	**12–7**		**38**	**0-1**
THE	IX	30 05 42 51.3	35.1N–.70	25.2E–.60	3–3	3.6,3.6	**¶621801607**	
ATH	IX	30 05 42 51.1	35.12N	25.20E	11–1	3.6L,3.6		

ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/09/30 05:43:22, This location: 2021/09/30 06:07:07 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**30 12 43 29.9–.81**	**35.11N–.04**	**25.22E–.02**	**10–5**		**67**	**0-55**
IDC	IX	30 12 43 28.8–1.2	35.10N	25.24E	0	4.0s,3.9b		**¶621147762**
ATH	IX	30 12 43 29.8	35.11N	25.22E	10–0	3.6L,3.9b		
THE	IX	30 12 43 30.1	35N–3.0	25.2E–.90	13–3	3.4,3.4		

ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/30 12:44:16, This location: 2021/09/30 12:49:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**IX**	**30 17 13 04.6–.74**	**35.14N–.03**	**25.28E–.01**	**10–4**	**3.9b**	**113**	**0-78**
IDC	IX	30 17 13 01.4–1.8	34.91N	25.03E	0	3.8b,3.6		**¶621147773**
ISK	IX	30 17 13 04.2	35.16N	25.29E	10–0	3.4L,3.6		
THE	IX	30 17 13 04.9	35.1N–.70	25.3E–.40	4–2	3.4,3.4		
ATH	IX	30 17 13 04.8	35.12N	25.28E	4–1	3.4L,3.4		
AFAD	IX	30 17 13 12.3	35.25N	25.76E	7–4	2.8L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=16.6km az=41.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/09/30 17:13:55, This location: 2021/09/30 17:24:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**30 14 40 15.1–.76**	**35.12N–.03**	**25.26E–.01**	**8–4**	**3.7b**	**127**	**0-78**
ATH	IX	30 14 40 14.9	35.13N	25.26E	8–1	3.6L		**¶621147768**
ISK	IX	30 14 40 14.5	35.16N	25.26E	7–0	3.5L		
THE	IX	30 14 40 15.1	35.1N–.70	25.3E–.40	9–3	3.5,3.5		
IDC	IX	30 14 40 15.1–1.1	35.11N	25.16E	0	3.8b,3.6		
MCSM	IX	30 14 40 16.5–1.3	35N–12	25E–6.0	8	4.8b,3.8		

ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/30 14:41:06, This location: 2021/09/30 14:46:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**IX**	**30 17 35 43.5–.98**	**34.56N–.06**	**26.29E–.05**	**47–14**	**3.7b**	**47**	**1-45**
IDC	IX	30 17 35 32.2–8.4	34.13N	25.37E	0	3.9,3.8b		**¶621147776**
GII	IX	30 17 35 46.8–.00	34.290N–.01	26.580E–.00	0	3.4,3.8b		
THE	IX	30 17 35 48.2	35N–6.0	26E–3.0	55–4	3.0,3.0		

ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**X**	**01 15 34 47.5–.73**	**35.14N–.02**	**25.27E–.01**	**10–4**	**4.0b**	**222**	**0-66**
IDC	X	01 15 34 45.9–1.2	35.13N	25.19E	0	3.9b,3.8		**¶621147835**
ISK	X	01 15 34 46.7	35.07N	25.25E	4–0	3.8L,3.8		
ATH	X	01 15 34 47.4	35.13N	25.26E	9–0	3.9L,3.8		
THE	X	01 15 34 47.8	35.1N–.60	25.3E–.40	5–1	3.8,3.8		
AFAD	X	01 15 34 51.4	34.99N	25.44E	8–6	4.1W,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=9.4km az=24.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/01 15:35:44, This location: 2021/10/01 20:19:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**02 08 29 38.6–.88**	**35.14N–.03**	**25.26E–.02**	**9–5**		**77**	**0-44**
IDC	X	02 08 29 30.2–6.5	34.44N	24.84E	0	3.5b,3.4		**¶621186053**
ATH	X	02 08 29 38.4	35.13N	25.26E	9–1	3.1L,3.4		
THE	X	02 08 29 38.5	35.1N–.50	25.3E–.30	1–2	3.1,3.1		

ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/10/02 08:30:22, This location: 2021/10/02 08:52:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**02 08 38 58.4–.71**	**35.17N–.02**	**25.30E–.01**	**10–4**	**3.9b**	**157**	**0-78**
IDC	X	02 08 38 58.0–1.0	35.30N	25.31E	0	3.9b,3.7		**¶621186054**
ISK	X	02 08 38 58.0	35.12N	25.29E	9–0	3.5L,3.7		
ATH	X	02 08 38 58.6	35.17N	25.30E	7–0	3.6L,3.7		
THE	X	02 08 38 58.6	35.2N–.80	25.3E–.50	8–1	3.6,3.6		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/10/02 08:39:49, This location: 2021/10/02 10:27:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**02 22 57 47.3–.79**	**35.19N–.03**	**25.29E–.01**	**8–5**		**118**	**0-45**
ISK	X	02 22 57 45.9	35.10N	25.27E	5–0	3.0L		**¶621186093**
ATH	X	02 22 57 46.4	35.19N	25.30E	13–1	3.4L		
IDC	X	02 22 57 47.6–6.2	35.21N	25.34E	0	3.5b,3.3		
THE	X	02 22 57 47.0	35.2N–.90	25.3E–.50	8–2	3.2,3.2		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/02 22:58:39, This location: 2021/10/02 23:02:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**02 23 27 51.3–.76**	**35.19N–.02**	**25.30E–.01**	**9–4**	**3.6b**	**109**	**0-45**
IDC	X	02 23 27 49.7–1.6	35.20N	25.26E	0	3.6b,3.4		**¶621186094**
ISK	X	02 23 27 50.9	35.16N	25.30E	5–0	2.7L,3.4		
ATH	X	02 23 27 51.1	35.19N	25.30E	8–0	3.1L,3.4		
THE	X	02 23 27 51.6	35.2N–.70	25.3E–.40	8–1	3.0,3.0		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/02 23:28:41, This location: 2021/10/02 23:31:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**03 13 57 21.9–.91**	**35.49N–.03**	**26.41E–.02**	**16–8**		**179**	**0-5**
ATH	X	03 13 57 21.9	35.49N	26.40E	16–1	3.6L		**¶621801770**
ISK	X	03 13 57 21.3	35.48N	26.41E	17–0	3.2L		
THE	X	03 13 57 22.0	35N–2.0	26E–1.0	11–2	3.5,3.5		
AFAD	X	03 13 57 25.8	35.74N	26.83E	14–1	2.7L,3.5		

ISC Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/03 13:57:54, This location: 2021/10/03 14:12:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**02 18 31 08.4–.65**	**35.12N–.02**	**25.22E–.01**	**11–4**	**4.0b**	**269**	**0-85**
NEIC	X	02 18 31 07.8–1.3	34.94N–.05	25.07E–.05	10–1	4.2b		**¶621801738**
MCSM	X	02 18 31 07.9–.70	35N–6.0	25E–6.0	10	4.0,3.9b		
IDC	X	02 18 31 08.4–.86	35.22N	25.14E	0	3.9b,3.8		
ISK	X	02 18 31 08.4	35.15N	25.23E	8–0	3.6L,3.8		
ATH	X	02 18 31 08.4	35.14N	25.22E	11–1	3.8L,3.8		
THE	X	02 18 31 08.8	35.1N–.70	25.2E–.50	9–1	3.7,3.7		
AFAD	X	02 18 31 15.7	35.31N	25.73E	3–6	3.9W,3.7		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.8km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.8km s-min=7.9km az=15.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/02 18:31:57, This location: 2021/10/02 18:43:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**03 02 03 31.6–.74**	**35.16N–.02**	**25.19E–.01**	**12–4**		**168**	**0-44**
ATH	X	03 02 03 30.8	35.15N	25.20E	14–0	3.6L		**¶621186101**
ISK	X	03 02 03 31.2	35.13N	25.18E	6–0	3.2L		
THE	X	03 02 03 31.3	35.1N–.80	25.2E–.60	11–1	3.5,3.5		
IDC	X	03 02 03 32.2–1.4	35.26N	25.08E	0	3.7b,3.4		
AFAD	X	03 02 03 39.0	35.35N	25.37E	36–797	2.8L,3.4		

ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/03 02:04:20, This location: 2021/10/03 02:09:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=12.7km az=6.0.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**03 14 25 15.1–.77**	**35.12N–.02**	**25.25E–.01**	**8–4**	**3.9b**	**128**	**0-45**
IDC	X	03 14 25 09.0–5.5	34.64N	24.53E	0	3.7b,3.6		**¶621186135**
ATH	X	03 14 25 14.8	35.12N	25.25E	8–0	3.4L,3.6		
THE	X	03 14 25 15.0	35.1N–.70	25.3E–.50	6–2	3.3,3.3		

ISC Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/03 14:25:25, This location: 2022/05/02 17:46:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**03 14 31 27.2–.64**	**35.15N–.02**	**25.24E–.01**	**12–3**	**4.2b**	**267**	**0-84**
IDC	X	03 14 31 25.9–1.3	35.13N	25.16E	0	3.9b,3.8		**¶621186136**
ISK	X	03 14 31 25.9	35.15N	25.23E	12–0	3.6L,3.8		
ATH	X	03 14 31 26.6	35.14N	25.24E	10–0	3.6L,3.8		
THE	X	03 14 31 26.8	35.2N–.80	25.2E–.50	9–1	3.6,3.6		
MOS	X	03 14 31 26.0–1.4	35.06N	25.16E	11	4.5b,3.6		
NEIC	X	03 14 31 27.6–1.3	35.14N–.07	25.24E–.05	10–1	4.6b,3.6		
AFAD	X	03 14 31 35.8	35.77N	25.83E	17–3	2.7L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=28.1km s-min=10.0km az=25.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/03 14:32:25, This location: 2021/10/03 14:44:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
MOS Error ellipse: s-maj=9.9km s-min=6.2km az=64.6.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=4.6km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**06 07 13 41.9–.93**	**35.68N–.03**	**26.58E–.02**	**54–9**	**4.0b**	**136**	**0-58**
IDC	X	06 07 13 34.5–20	36.40N	26.07E	0	4.0b,4.0		**¶621217131**
ISK	X	06 07 13 41.5	35.76N	26.55E	28–0	3.1L,4.0		
ATH	X	06 07 13 42.9	35.69N	26.58E	38–5	3.4L,4.0		
AFAD	X	06 07 13 42.2	35.71N	26.58E	29–2	2.7L,4.0		
THE	X	06 07 13 43.3	36N–1.0	27E–1.0	34–5	3.3,3.3		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/06 07:14:49, This location: 2021/10/06 07:44:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ATH	**X**	**04 21 21 15.5**	**35.17N**	**25.32E**	**13–0**	**2.8L**		
THE	X	04 21 21 15.9	35.2N–.80	25.3E–.50	10–1	2.8,2.8		**¶621801833**

ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/04 21:22:08, This location: 2021/10/04 21:27:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**03 20 18 52.1–.72**	**35.10N–.03**	**25.24E–.01**	**10–4**	**3.6b**	**148**	**0-59**
IDC	X	03 20 18 51.7–1.5	35.12N	25.16E	0	3.6b,3.4		**¶621186147**
ATH	X	03 20 18 51.9	35.11N	25.25E	11–0	3.5L,3.4		
THE	X	03 20 18 52.4	35N–1.0	25.2E–.50	4–2	3.4,3.4		
ISK	X	03 20 18 52.0	35.02N	25.24E	8–0	3.3L,3.4		
AFAD	X	03 20 18 57.1	35.06N	25.38E	7–5	2.9L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=10.4km az=27.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/10/03 20:19:46, This location: 2021/10/03 20:24:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**05 09 10 07.2–1.6**	**34.73N–.08**	**24.01E–.04**	**26–5**		**69**	**0-3**
ATH	X	05 09 10 05.2	34.60N	23.97E	27–0	3.7L		**¶621801853**
THE	X	05 09 10 06.5	35N–3.0	24E–2.0	25–1	3.6,3.6		

ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/05 09:10:25, This location: 2023/04/27 04:37:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	**X**	**05 05 16 47.0–.98**	**35.20N–.03**	**25.31E–.02**	**9–5**		**46**	**0-1**
ATH	X	05 05 16 46.6	35.21N	25.32E	10–0	2.5L		**¶621801847**
THE	X	05 05 16 47.2	35.2N–.90	25.3E–.50	2–1	2.2,2.2		

ISC Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/10/05 05:18:11, This location: 2021/10/05 05:26:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**05 18 32 00.6–.69**	**35.20N–.02**	**25.30E–.02**	**11–4**	**3.8b**	**106**	**0-77**
THE	X	05 18 32 01.0	35.2N–.70	25.3E–.50	10–0	3.6,3.6		**¶621203187**
IDC	X	05 18 32 00.3–.91	35.43N	25.25E	0	4.0L,3.9b		
ATH	X	05 18 32 00.6	35.19N	25.31E	11–1	3.6L,3.9b		

ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=12.9km az=171.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/05 18:32:53, This location: 2021/10/05 18:37:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**06 13 25 57.7–.90**	**35.15N–.03**	**25.23E–.02**	**11–5**		**30**	**0-1**
THE	X	06 13 25 57.8	35.1N–.60	25.2E–.40	7–2	2.3,2.3		**¶621801898**
ATH	X	06 13 25 57.1	35.16N	25.22E	13–1	2.6L,2.3		

ISC Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/06 13:26:43, This location: 2021/10/06 13:36:07 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	**X**	**08 15 24 34.8–.76**	**35.19N–.02**	**25.33E–.01**	**7–5**	**3.9b**	**107**	**0-45**
ISK	X	08 15 24 33.9	35.08N	25.33E	5–0	3.0L		**¶621224663**
ATH	X	08 15 24 34.7	35.17N	25.33E	10–1	3.3L		
IDC	X	08 15 24 34.5–1.4	35.14N	25.37E	0	3.9b,3.8		
THE	X	08 15 24 35.0	35.2N–.70	25.3E–.40	9–1	3.3,3.3		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/10/08 15:25:25, This location: 2021/10/08 16:08:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**08 06 26 50.5–.64**	**35.17N–.02**	**25.23E–.01**	**14–3**	**3.8b**	**260**	**0-67**
IDC	X	08 06 26 49.9–.76	35.34N	25.15E	0	3.8b,3.7		**¶621224636**
ISK	X	08 06 26 50.2	35.13N	25.23E	8–0	3.5L,3.7		
MCSM	X	08 06 26 50.1–.40	35N–4.0	25E–4.0	10	4.3b,3.9		
ATH	X	08 06 26 50.6	35.14N	25.22E	11–0	3.6L,3.9		
THE	X	08 06 26 50.7	35.1N–.60	25.2E–.40	9–0	3.5,3.5		
AFAD	X	08 06 26 54.7	35.40N	25.66E	6–5	3.7W,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=9.2km az=175.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/08 06:27:38, This location: 2021/10/08 06:39:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ATH	**X**	**08 23 19 57.6**	**35.17N**	**25.26E**	**11–0**	**1.8L**		
ISK	X	08 23 19 56.4	35.03N	25.20E	5–0	1.9L		**¶621801959**

ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/08 23:20:09, This location: 2021/10/09 05:21:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ATH	**X**	**08 12 54 52.7**	**35.19N**	**25.26E**	**9–1**	**1.5L**		
								¶635729761

ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/08 12:56:05, This location: 2022/05/16 06:48:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	**X**	**08 12 55 08.1–1.0**	**35.16N–.04**	**25.27E–.02**	**13–8**		**42**	**0-3**
ISK	X	08 12 55 08.6	35.29N	25.26E	14–0	2.6L		**¶621801944**
THE	X	08 12 55 08.8	35.1N–.60	25.2E–.40	9–2	2.7,2.7		

ISC Event type ke.
ISK Event type ke.
ATH X 08 13 19 55.0 35.19N 25.30E 13–1 1.3L
¶635806514
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/08 13:22:32, This location: 2021/10/08 13:30:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
THE X 08 23 20 54.6 35N–5.0 26E–3.0 76–3 2.3,2.3
¶635723396
ISC X 09 09 15 13.1–.83 34.75N–.06 23.50E–.05 37–1 4.0b,3.2s 133 0-80
NEIC X 09 09 15 08.3–1.3 34.53N–.10 23.35E–.08 10–1 4.1b,3.2s **¶621145515**
IDC X 09 09 15 08.8–1.0 34.92N 23.52E 0 3.8b,3.7
ISK X 09 09 15 14.5 34.82N 23.52E 16–0 3.4L,3.7
ATH X 09 09 15 14.0 34.79N 23.48E 20–1 3.7L,3.7
THE X 09 09 15 15.4 35N–2.0 24E–2.0 17–1 3.6,3.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/09 09:16:16, This location: 2021/10/09 09:19:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
ISC X 09 10 03 43.0–.97 34.88N–.06 23.72E–.05 50–6 3.6b 90 0-63
IDC X 09 10 03 36.7–3.6 34.88N 23.57E 0 3.8b,3.7 **¶621801974**
ATH X 09 10 03 41.6 34.68N 23.57E 41–6 3.5L,3.7
ISK X 09 10 03 42.3 34.93N 23.64E 64–0 3.0L,3.7
THE X 09 10 03 43.4 35N–1.0 24E–1.0 16–1 3.2,3.2
AFAD X 09 10 03 52.0 35.37N 24.46E 15–454 2.5L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=69.5km s-min=24.3km az=11.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/09 10:04:39, This location: 2021/10/09 10:11:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 5 km; Longitude uncertainty: 3 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 10 07 46 01.9–1.5 35.11N–.05 23.07E–.04 12–9 4.0b 91 0-80
ATH X 10 07 46 02.9 35.05N 23.14E 17–3 3.6L **¶621235370**
ISK X 10 07 46 03.3 35.17N 23.11E 5–0 3.4L
THE X 10 07 46 03.7 35N–3.0 23E–2.0 0–1 4.5b,3.4
IDC X 10 07 46 04.8–1.5 35.83N 23.44E 0 3.9b,3.9
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/10 07:47:13, This location: 2021/10/10 07:56:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 3 km.
ISK Event type ke.
IDC Error ellipse: s-maj=29.7km s-min=13.9km az=27.0.
ATH X 09 22 58 42.8 35.19N 25.32E 8–1 1.8L
¶621820195
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/10 00:48:55, This location: 2021/10/10 00:51:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
THE X 09 23 32 52.2 35N–2.0 25.2E–.60 6–3 1.4
¶635806535
ATH X 09 23 33 28.9 35.13N 25.23E 9–0 2.9L
ISK X 09 23 33 28.4 35.14N 25.24E 10–0 2.8L **¶621801992**
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/09 23:34:18, This location: 2021/10/09 23:55:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISC X 09 23 56 05.3–.80 35.12N–.02 25.25E–.01 10–4 90 0-2
ISK X 09 23 56 04.4 35.13N 25.23E 5–0 2.9L **¶621801994**
ATH X 09 23 56 05.2 35.12N 25.25E 9–0 2.9L
THE X 09 23 56 05.5 35.1N–.70 25.3E–.50 0–1 2.9,2.9
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/09 23:57:42, This location: 2021/10/10 00:18:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
THE X 10 22 09 41.6 35N–8.0 26E–6.0 24–5 1.2
¶635806534
ATH X 10 22 10 29.8 35.19N 25.29E 11–0 2.4L
ISK X 10 22 10 30.0 35.31N 25.31E 6–0 2.2L **¶621802013**
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/10 22:11:27, This location: 2021/10/10 23:01:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISC X 11 12 47 40.1–.73 35.11N–.02 25.18E–.01 9–4 4.0b 234 0-78
THE X 11 12 47 39.7 35.1N–.70 25.2E–.50 12–1 3.8,3.8 **¶621236882**
ATH X 11 12 47 39.8 35.10N 25.17E 7–0 3.8L,3.8
ISK X 11 12 47 39.2 35.10N 25.17E 9–0 3.7L,3.8
IDC X 11 12 47 39.0–.91 35.13N 25.09E 0 4.8s,4.1b
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/10/11 12:47:48, This location: 2021/10/11 13:18:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=10.2km az=22.0.
ISC X 11 12 50 36.8–.74 34.10N–.03 26.00E–.02 14–4 4.4b 484 1-124
NEIC X 11 12 50 36.0–1.3 34.00N–.08 25.87E–.08 10–1 4.3b **¶621145545**
GII X 11 12 50 35.9–.00 34.155N–.00 26.159E–.00 0–0 4.4
IDC X 11 12 50 35.7–.59 34.25N 25.95E 0 4.4L,4.4b
ISK X 11 12 50 35.3 33.98N 26.04E 11–0 4.0L,4.4b
GFZ X 11 12 50 36.9–.35 34N–4.0 26E–3.0 10 5.6,5.5
MCSM X 11 12 50 37.1–.70 34N–5.0 26E–4.0 13–3 4.9b,4.7
THE X 11 12 50 38.8 34N–21 26E–14 2–25 3.8,3.8
ATH X 11 12 50 40.3 34.21N 26.01E 17–8 3.9L,3.8
AFAD X 11 12 50 45.6 34.51N 26.67E 12–5 3.5L,3.8
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.5km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=14.1km s-min=8.1km az=16.0.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/10/11 12:51:54, This location: 2021/10/11 13:23:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
ISC X 12 09 24 04.5–.33 35.08N–.02 26.40E–.01 19–1 6.2s,6.2b 2832 0-168
IDC X 12 09 24 01.5–.33 35.17N 26.33E 0 6.1s,5.9b **¶621146229**
MOS X 12 09 24 01.7–1.2 34.98N 26.30E 13 6.4b,6.1s
AFAD X 12 09 24 01.2 35.08N 26.12E 7–4 6.3W,6.1s
BEO X 12 09 24 02.6–.50 34.66N 26.05E 0 6.0L,6.1s
ATH X 12 09 24 02.7 34.89N 26.47E 10–3 6.3L,6.1s
MCSM X 12 09 24 02.2–.30 35N–2.0 26E–2.0 11–1 6.6,6.4b
IPGP X 12 09 24 03.0 35.19N 26.26E 21 6.5W,6.4b
NEIC X 12 09 24 03.8 35.16N 26.22E 10 6.5W,6.4b
PTWC X 12 09 24 03 34.70N 26.30E 6.4,6.4b
NEIC X 12 09 24 03.8 35.19N 26.26E 10 6.4,6.4b
PDG X 12 09 24 04.5–.92 34.98N 26.42E 6–3 6.5,6.4L
ISK X 12 09 24 04.8 35.00N 26.33E 16–0 6.3L,6.4L
BJI X 12 09 24 04.1 34.95N 26.35E 30 6.5s,6.4b
THE X 12 09 24 04.0 35N–4.0 26E–3.0 11–3 6.3,6.3
NAO X 12 09 24 04.4 34.95N 24.51E 10 5.3b,6.3
MED_R X 12 09 24 04.0 35.04N 26.27E 43 6.3W,6.3
NIC X 12 09 24 04.8 35.04N 26.27E 5–20 6.3W,6.3
ISC-P X 12 09 24 05 35.17N 26.22E 27–0 6.7,6.3
GFZ X 12 09 24 05.3 35.07N 26.25E 31 6.3W,6.3
NEIC X 12 09 24 05.1–.93 35.17N–.07 26.22E–.05 20–1 6.2b,6.2
GII X 12 09 24 06.9–.00 34.77N 26.65E 0 5.9,6.2
GFZ X 12 09 24 06.2–.39 35N–2.0 26E–1.0 24–2 6.4b,6.2
GCMT X 12 09 24 08.6–.10 34.98N–.01 26.44E 24 6.4W,6.2
NEIC X 12 09 24 15.2 34.89N 26.38E 16 6.4,6.2
BGR X 12 09 24 31.2–2.8 37.10N 25.24E 33 6.2s,5.9b
ISC Event type ke.
IDC Error ellipse: s-maj=8.6km s-min=6.3km az=166.0.
MOS Error ellipse: s-maj=4.0km s-min=2.3km az=83.6.
AFAD Event type se. Presumed earthquake.
BEO Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/12 09:24:25, This location: 2022/06/08 06:49:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 2 km.
IPGP Moment Tensor Solution. NP1:ϕ_s251.00000°,δ14.00000°,λ-1.00000°. NP2:ϕ_s343.00000° ,δ90.00000°,λ-104.00000°.
NEIC Event type se.
NEIC Event type se.
PDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=90.0.
ISK Event type ke.
NAO Event type se. Presumed earthquake.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18} Nm; M_{rr}-1.73±.08 $M_{\theta\theta}$-1.30±.06; $M_{\phi\phi}$0.00±.05; $M_{r\theta}$0.68±.07; $M_{\theta\phi}$0.33±.06; $M_{\phi r}$-1.46±.09; NP1: ϕ_s217.00000°,δ39.00000°,λ-39.00000°. NP2:ϕ_s339.00000°,δ67.00000°,λ-122.00000°. Principal axes: T 3.4500,Plg16.0000°,Azm92.0000°; N -0.8700,Plg29.0000°,Azm353.0000° ; P -2.5700,Plg56.0000°,Azm206.0000° $M_0$3.01000×10^{18}
NIC Event type ke.
ISC-P Moment Tensor Solution. s41 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.19±.15 $M_{\theta\theta}$-0.35±.26; $M_{\phi\phi}$0.51±.16; $M_{r\theta}$0.30±.19; $M_{\theta\phi}$-0.44±.15; $M_{\phi r}$0.08±.14; NP1:ϕ_s226.10000°,δ37.30000° ,λ345.00000°. NP2:ϕ_s328.10000°,δ81.00000°,λ-126.30000°. $M_0$1.30000×10^{19}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.21 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$1.02 $M_{r\theta}$1.08 $M_{\theta\phi}$0.35 $M_{\phi r}$-3.14 NP1: ϕ_s339.41527°,δ86.82371°,λ-104.33474°. NP2:ϕ_s237.18143°,δ14.67523°,λ-12.63336°. Principal axes: T 3.6430,Plg40.1551°,Azm82.6570°; N -0.3857,Plg14.3123°,Azm340.2265° ; P -3.2573,Plg46.3209°,Azm234.7307° $M_0$3.46629×10^{18}
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.3km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.48 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$0.58 $M_{r\theta}$0.77 $M_{\theta\phi}$-0.50 $M_{\phi r}$-2.06 NP1:ϕ_s134.54000°,δ9.09000°,λ-114.99000°. NP2:ϕ_s339.81000° ,δ81.76000°,λ-86.13000°. Principal axes: T 2.4657,Plg37.0000°,Azm66.0000° ; N -0.3425,Plg4.0000°,Azm159.0000°; P -2.1232,Plg53.0000°,Azm254.0000° $M_0$2.31000×10^{18}
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GFZ Error ellipse: s-maj=3.6km s-min=2.5km az=38.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110120924A. Moment Tensor Solution. s163,c382; s157,c430;Duration: 4s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.86±.02 $M_{\theta\theta}$-0.84±.01; $M_{\phi\phi}$1.70±.01; $M_{r\theta}$1.48±.03; $M_{\theta\phi}$0.41±.01; $M_{\phi r}$-3.89±.03; Best double couple: NP1:ϕ_s226.00000°,δ16.00000°,λ-24.00000°. NP2:ϕ_s340.00000°,δ83.00000°,λ-105.00000°. Principal axes: T 4.5680,Plg37.0000°,Azm83.0000°; N -0.2850,Plg15.0000°,Azm341.0000° ; P -4.2870,Plg49.0000°,Azm233.0000° $M_0$4.42800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 7s1.0 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.08 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$1.90 $M_{r\theta}$1.86 $M_{\theta\phi}$0.17 $M_{\phi r}$-4.90 NP1:ϕ_s217.59000°,δ12.61000° ,λ-32.44000°. NP2:ϕ_s339.39000°,δ83.27000°,λ-100.69000°. Principal axes: T 5.6799,Plg37.0000°,Azm79.0000°; N -0.3867,Plg11.0000°,Azm341.0000° ; P -5.2933,Plg51.0000°,Azm237.0000° $M_0$5.50000×10^{18}
BGR Event type ke. Error ellipse: s-maj=173.0km s-min=123.0km az=165.0.
ISC X 11 14 43 21.4–1.1 34.14N–.04 26.01E–.03 18–4 4.0b 183 1-117
IDC X 11 14 43 19.8–.85 34.32N 25.90E 0 4.0L,4.0b **¶621802027**
ISK X 11 14 43 20.7 34.14N 25.88E 8–0 3.5L,4.0b
NEIC X 11 14 43 20.3–2.1 34.13N–.08 26.01E–.05 10–1 4.4b,4.0b
THE X 11 14 43 26.1 34N–5.0 26E–10 40 3.5,3.5
ATH X 11 14 43 26.4 34.34N 26.03E 46–6 3.6L,3.5
AFAD X 11 14 43 30.0 34.79N 26.57E 15 3.6W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=16.6km s-min=9.5km az=29.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.6km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/10/11 14:45:09, This location: 2021/10/11 16:27:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ATH X 12 00 21 03.4 35.15N 25.20E 12–0 1.9L
¶626168175
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/12 00:20:42, This location: 2021/10/12 02:20:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC X 12 18 38 49.2–1.1 35.18N–.06 26.35E–.03 29–6 50 0-3
ATH X 12 18 38 48.4 35.05N 26.37E 30–0 2.8L **¶621802060**
THE X 12 18 38 50.7 35N–3.0 26E–2.0 8–3 2.6,2.6
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/10/12 18:40:22, This location: 2021/10/12 18:54:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 0 km.
ISC X 12 09 36 29.0–.80 35.02N–.04 26.33E–.02 19–2 4.2b 150 0-64
IDC X 12 09 36 25.8–1.5 34.86N 26.17E 0 3.9b,3.9 **¶621236938**
NEIC X 12 09 36 26.9–1.6 34.84N–.03 26.36E–.04 10–1 4.4b,3.9
ATH X 12 09 36 28.9 35.05N 26.31E 21–1 4.1L,3.9
ISK X 12 09 36 29.2 35.28N 26.28E 6–0 3.7L,3.9
THE X 12 09 36 30.4 35N–3.0 26E–2.0 13–2 4.1,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/12 09:37:38, This location: 2021/10/12 10:09:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC X 12 09 40 25.3–1.0 35.05N–.06 26.35E–.02 29 108 0-4
AFAD X 12 09 40 16.0 34.75N 26.10E 6–4 3.6L **¶621802044**
ATH X 12 09 40 24.1 35.10N 26.42E 26–0 3.7L
THE X 12 09 40 25.6 35N–4.0 26E–2.0 19–2 3.7,3.7
ISK X 12 09 40 25.1 35.33N 26.22E 5–0 3.2L,3.7
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/12 10:39:59, This location: 2021/10/12 10:59:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISC X 15 02 17 00.5–1.0 34.96N–.05 26.47E–.02 16–6 3.4b 131 0-44
IDC X 15 02 16 58.4–1.3 35.02N 26.38E 0 3.5b,3.3 **¶621802117**
ATH X 15 02 17 00.1 34.98N 26.48E 11–1 3.4L,3.3
ISK X 15 02 17 01.3 35.06N 26.47E 11–0 3.1L,3.3
AFAD X 15 02 17 02.0 35.28N 26.55E 5–2 2.7L,3.3
THE X 15 02 17 03.5 35N–3.0 26E–2.0 0–1 3.1,3.1
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/15 02:17:27, This location: 2021/10/15 02:20:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 13 01 48 04.9–.76 35.15N–.03 25.21E–.02 10–4 3.1b 87 0-44
ISK X 13 01 48 04.2 35.14N 25.20E 9–0 2.9L **¶621238943**
ATH X 13 01 48 04.4 35.14N 25.22E 10–0 3.0L
THE X 13 01 48 04.7 35.2N–.60 25.2E–.40 9–1 3.0,3.0
IDC X 13 01 48 04.1–1.5 35.00N 25.13E 0 3.5,3.4b

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/13 01:48:16, This location: 2021/10/13 02:00:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=59.1km s-min=24.3km az=153.0.

ISC	**X**	**13 14 35 44.7–1.1**	**35.02N–.05**	**26.42E–.02**	**14–6**	**3.5b**	**111**	**0-44**
IDC	X	13 14 35 43.3–1.3	35.34N	26.18E	0	3.6b,3.5		**¶621238980**
ISK	X	13 14 35 44.8	35.08N	26.44E	8–0	3.1L,3.5		
ATH	X	13 14 35 44.5	35.01N	26.41E	14–1	3.3L,3.5		
THE	X	13 14 35 46.5	35N–4.0	26E–3.0	0–2	3.1,3.1		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/13 14:36:54, This location: 2021/10/13 15:18:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.

ISC	**X**	**13 04 09 03.6–.74**	**35.16N–.02**	**25.20E–.01**	**10–4**		**89**	**0-44**
ISK	X	13 04 09 03.3	35.17N	25.19E	15–0	3.2L		**¶621238949**
IDC	X	13 04 09 03.2–1.5	35.13N	25.13E	0	3.9b,3.6		
ATH	X	13 04 09 03.2	35.16N	25.20E	11–0	3.1L,3.6		
THE	X	13 04 09 03.8	35.1N–.60	25.2E–.40	7–2	3.0,3.0		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/10/13 04:09:53, This location: 2021/10/13 04:16:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**14 08 10 37.8–2.3**	**34.05N–.08**	**26.51E–.04**	**19–7**	**3.6b**	**52**	**1-59**
ISK	X	14 08 10 35.1	33.87N	26.43E	14–0	3.2L		**¶621240625**
IDC	X	14 08 10 36.4–1.4	34.25N	26.44E	0	3.7b,3.7		
AFAD	X	14 08 10 40.6	34.37N	26.80E	7–3	2.7L,3.7		

ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=12.0km az=21.0.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**15 23 25 43.0–.91**	**34.88N–.03**	**26.44E–.02**	**18–4**	**4.2b,3.1s**	**513**	**0-125**
IDC	X	15 23 25 40.4–.55	35.02N	26.31E	0	4.2b,4.1		**¶621204466**
NEIC	X	15 23 25 42.5–1.6	34.87N–.04	26.35E–.05	10–1	4.2b,4.1		
ATH	X	15 23 25 43.8–.31	34.93N	26.43E	5–1	4.1L,4.1		
MCSM	X	15 23 25 44.2–1.6	35N–7.0	26E–7.0	11–9	4.5b,4.4b		
GFZ	X	15 23 25 45.6–.31	35N–3.0	27E–3.0	10	5.0b,4.6b		
ISK	X	15 23 25 45.8	35.28N	26.31E	8–0	4.1L,4.6b		
THE	X	15 23 25 46.8	35N–3.0	26E–2.0	11–2	4.0,4.0		
GII	X	15 23 25 46.2–.00	34.70N	26.64E	0	4.3,4.0		
AFAD	X	15 23 25 47.0	35.08N	26.28E	37–419	4.2W,4.0		

ISC Event type ke.
IDC Error ellipse: s-maj=11.8km s-min=7.4km az=11.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.5km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/10/15 23:26:14, This location: 2021/10/16 00:39:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**15 09 15 40.0–.63**	**35.21N–.02**	**25.31E–.01**	**12–4**	**4.1b,2.7s**	**255**	**0-92**
IDC	X	15 09 15 39.0–.72	35.30N	25.24E	0	4.1b,3.9		**¶621202573**
ISK	X	15 09 15 39.4	35.24N	25.27E	12–0	3.5L,3.9		
ATH	X	15 09 15 39.5	35.20N	25.31E	14–1	3.9L,3.9		
THE	X	15 09 15 40.1	35.2N–.80	25.3E–.50	6–2	3.7,3.7		
NEIC	X	15 09 15 40.2–1.2	35.31N–.08	25.34E–.04	10–1	4.2b,3.7		
GFZ	X	15 09 15 41.1–.28	35N–3.0	25E–2.0	10	4.3,4.3b		
AFAD	X	15 09 15 43.6	34.93N	26.03E	7–5	3.9W,4.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=9.5km az=3.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/15 09:16:30, This location: 2021/10/15 09:22:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.1km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=7.4km s-min=4.5km az=16.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**15 09 27 36.1–.67**	**35.20N–.02**	**25.31E–.01**	**12–4**	**3.8b**	**131**	**0-44**
IDC	X	15 09 27 35.6–.94	35.28N	25.26E	0	3.9b,3.7		**¶621242052**
ISK	X	15 09 27 35.7	35.19N	25.30E	10–0	3.2L,3.7		
THE	X	15 09 27 36.6	35.2N–.60	25.3E–.40	6–2	3.4,3.4		
ATH	X	15 09 27 36.0	35.20N	25.31E	14–1	3.5L,3.4		
GII	X	15 09 27 37.8–.00	34.451N–.00	25.301E–.00	0–0	3.7,3.4		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/15 09:28:25, This location: 2021/10/15 09:32:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**X**	**15 03 18 34.0–1.0**	**34.91N–.04**	**26.54E–.02**	**16–6**	**3.9b**	**267**	**0-64**
IDC	X	15 03 18 32.4–.69	35.09N	26.45E	0	3.9b,3.8		**¶621242030**
ATH	X	15 03 18 36.3	35.08N	26.45E	13–1	3.8L,3.8		
ISK	X	15 03 18 37.1	35.21N	26.44E	8–0	3.5L,3.8		
THE	X	15 03 18 37.6	35N–3.0	26E–2.0	0–2	3.6,3.6		
AFAD	X	15 03 18 38.0	35.25N	26.42E	9–2	3.3L,3.6		
GII	X	15 03 18 40.5–.00	34.588N–.00	27.043E–.00	0–0	3.8,3.6		

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/15 03:19:21, This location: 2021/10/15 03:23:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**X**	**16 00 09 18.9–.98**	**35.17N–.07**	**26.34E–.03**	**18–5**		**46**	**0-2**
ATH	X	16 00 09 18.2	35.13N	26.35E	19–0	2.8L		**¶621802158**
THE	X	16 00 09 19.6	35N–3.0	26E–2.0	0–3	2.6,2.6		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/16 00:09:50, This location: 2021/10/16 05:43:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.

ISC	**X**	**16 00 11 55.4–1.3**	**35.14N–.07**	**26.37E–.04**	**14–10**		**41**	**0-2**
ATH	X	16 00 11 54.6	35.00N	26.39E	20–1	3.0L		**¶621802159**
THE	X	16 00 11 57.6	35N–2.0	26E–1.0	8–3	2.8,2.8		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/16 00:13:11, This location: 2021/10/16 05:58:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.

ISC	**X**	**18 18 08 23.8–1.3**	**35.07N–.04**	**26.85E–.02**	**9–9**	**3.8b**	**108**	**1-65**
AFAD	X	18 18 08 22.8	34.83N	26.58E	8–4	3.3L		**¶621244041**
ATH	X	18 18 08 23.1	34.98N	26.91E	5–1	3.5L		
IDC	X	18 18 08 23.9–1.0	35.18N	26.82E	0	3.7b,3.5		
ISK	X	18 18 08 24.3	35.13N	26.80E	1–0	3.2L,3.5		
THE	X	18 18 08 25.7	35N–5.0	27E–3.0	0–1	3.1,3.1		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/10/18 18:08:50, This location: 2021/10/18 18:37:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 1 km.

ISK Event type ke.

ISC	**X**	**16 23 31 12.7–.78**	**35.02N–.03**	**23.91E–.02**	**23–6**	**3.8b**	**135**	**0-46**
IDC	X	16 23 31 09.1–1.1	35.09N	23.88E	0	3.7b,3.6		**¶621242155**
ATH	X	16 23 31 13.8	35.04N	23.94E	12–1	3.2L,3.6		
ISK	X	16 23 31 13.7	35.07N	24.03E	12–0	2.9L,3.6		
THE	X	16 23 31 14.1	35N–1.0	24E–1.0	3–5	3.2,3.2		

ISC Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/10/16 23:32:11, This location: 2021/10/17 02:29:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**X**	**16 04 57 35.9–.67**	**35.21N–.02**	**25.29E–.01**	**11–4**	**3.8b**	**148**	**0-45**
IDC	X	16 04 57 34.5–.84	35.28N	25.26E	0	3.8b,3.7		**¶621242107**
ISK	X	16 04 57 35.3	35.26N	25.27E	1–0	3.3L,3.7		
THE	X	16 04 57 36.2	35.2N–.70	25.3E–.40	8–1	3.5,3.5		
MCSM	X	16 04 57 36.0–.70	35N–6.0	25E–6.0	8	4.2b,4.0		
ATH	X	16 04 57 36.1	35.21N	25.31E	8–0	3.5L,4.0		

ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=10.1km az=2.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/16 04:57:49, This location: 2021/10/16 05:05:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ATH	**X**	**16 05 50 58.6**	**35.20N**	**25.33E**	**6–0**	**1.7L**		**¶621802170**

ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/16 05:52:08, This location: 2021/10/16 06:01:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**18 21 17 18.7–1.8**	**34.62N–.09**	**26.52E–.04**	**8–11**		**51**	**1-3**
ATH	X	18 21 17 20.7	34.57N	26.53E	46–8	3.0L		**¶621802233**
THE	X	18 21 17 22.5	35N–5.0	26E–5.0	30	2.7,2.7		
ISK	X	18 21 17 25.8	35.49N	26.10E	9–0	2.1L,2.7		

ISC Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/10/18 21:18:43, This location: 2021/10/18 21:45:01 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 2 km.
ISK Event type ke.

ISC	**X**	**19 20 01 59.3–.93**	**35.92N–.02**	**25.56E–.02**	**14–7**	**3.6b**	**225**	**0-43**
IDC	X	19 20 01 57.2–.94	35.96N	25.57E	0	3.7b,3.5		**¶621244095**
ISK	X	19 20 01 58.5	35.94N	25.53E	5–0	3.4L,3.5		
ATH	X	19 20 01 59.2	35.94N	25.57E	12–0	3.6L,3.5		
THE	X	19 20 01 59.4	35.9N–.40	26E–1.0	5–1	4.2b,3.6		
AFAD	X	19 20 02 04.0	35.69N	26.29E	3–19	3.5L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=11.1km az=15.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/19 20:02:18, This location: 2021/10/19 20:16:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**19 20 14 57.2–.71**	**35.19N–.02**	**25.32E–.01**	**10–4**	**3.7b**	**162**	**0-45**
IDC	X	19 20 14 56.0–3.1	34.85N	25.34E	0	3.8b,3.5		**¶621244096**
ISK	X	19 20 14 56.7	35.11N	25.29E	7–0	3.2L,3.5		
THE	X	19 20 14 57.2	35.2N–.70	25.3E–.50	9–1	3.4,3.4		
ATH	X	19 20 14 57.1	35.17N	25.31E	8–0	3.4L,3.4		
AFAD	X	19 20 15 04.2	35.34N	26.07E	6–3	3.0L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=56.2km s-min=22.4km az=28.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/19 20:15:45, This location: 2021/10/19 20:37:40 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**19 20 41 54.7–.98**	**35.94N–.02**	**25.58E–.03**	**11–11**		**75**	**0-2**
ISK	X	19 20 41 53.6	35.95N	25.57E	6–0	2.6L		**¶621802259**
THE	X	19 20 41 54.6	36.0N–.60	26E–2.0	6–3	2.6,2.6		
ATH	X	19 20 41 54.7	35.94N	25.59E	12–1	2.7L,2.6		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/19 20:42:28, This location: 2021/10/19 21:15:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

ISC	**X**	**19 20 53 31.8–.83**	**35.17N–.02**	**25.29E–.02**	**7–5**		**73**	**0-4**
ATH	X	19 20 53 31.4	35.18N	25.33E	8–1	2.1L		**¶621802261**
THE	X	19 20 53 32.0	35.2N–.70	25.3E–.40	2–1	2.2,2.2		
ISK	X	19 20 53 45.5	35.93N	25.53E	5–0	2.5L,2.2		
AFAD	X	19 20 53 54.3	35.85N	26.11E	21–2	2.5L,2.2		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/19 20:54:32, This location: 2021/10/19 22:14:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**20 02 44 05.1–.62**	**35.13N–.02**	**25.31E–.01**	**12–3**	**4.5b,3.6s**	**713**	**0-125**
IDC	X	20 02 44 03.9–.58	35.22N	25.26E	0	4.3b,4.2		**¶621221488**
MOS	X	20 02 44 03.1–1.1	35.09N	25.23E	11	4.6b,4.2		
ISK	X	20 02 44 04.9	35.15N	25.33E	5–0	4.2L,4.2		
THE	X	20 02 44 05.4	35N–1.0	25.3E–1.0	7–1	4.2,4.2		
MED_R	X	20 02 44 05.0	35.04N	25.34E	19	4.4W,4.2		
NEIC	X	20 02 44 05.0–1.2	35.06N–.06	25.26E–.05	11–3	4.4b,4.2		
MCSM	X	20 02 44 05.2–.70	35N–5.0	25E–4.0	8–3	4.7b,4.5		
ATH	X	20 02 44 05.0	35.18N	25.31E	12–0	4.3L,4.5		
GFZ	X	20 02 44 06.8–.23	35N–3.0	25E–2.0	10	4.9b,4.3b		
GII	X	20 02 44 08.8–.00	34.750N–.00	25.700E–.00	0	4.3,4.3b		
AFAD	X	20 02 44 10.2	35.36N	25.85E	5–4	4.1W,4.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=7.5km az=13.0.
MOS Error ellipse: s-maj=6.2km s-min=3.7km az=79.0.
ISK Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-0.45±.35 $M_{\theta\theta}$2.77±.27; $M_{\phi\phi}$0.00±.20; $M_{r\theta}$-1.86±.36; $M_{\theta\phi}$3.06±.26; $M_{\phi r}$-2.56±.37; NP1: ϕ_s292.00000°,δ52.00000°,λ0.00000°. NP2:ϕ_s202.00000°,δ90.00000°,λ142.00000°. Principal axes: T 5.5400,Plg26.0000°,Azm150.0000°; N -1.0500,Plg52.0000°,Azm22.0000°; P -4.4900,Plg26.0000°,Azm254.0000° M_o5.02000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.5km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/20 02:44:19, This location: 2021/10/20 03:22:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**19 23 16 36.9–1.3**	**35.04N–.09**	**26.35E–.04**	**20–3**		**29**	**0-2**
THE	X	19 23 16 36.7	35N–8.0	26E–4.0	21–3	2.6,2.6		**¶621802266**
ATH	X	19 23 16 36.4	35.02N	26.36E	18–1	2.6L,2.6		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/19 23:17:03, This location: 2021/10/19 23:35:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.

ISC	**X**	**20 15 07 24.1–.77**	**35.15N–.02**	**25.24E–.01**	**13–5**	**3.4b**	**119**	**0-44**
IDC	X	20 15 07 22.7–1.5	35.44N	25.16E	0	3.6b,3.6		**¶621802293**
ISK	X	20 15 07 23.6	35.17N	25.23E	8–0	3.3L,3.6		
THE	X	20 15 07 24.2	35.2N–.70	25.2E–.40	9–1	3.2,3.2		
ATH	X	20 15 07 24.4	35.14N	25.24E	7–0	3.2L,3.2		

ISC Event type ke.
IDC Error ellipse: s-maj=49.5km s-min=13.6km az=143.0.
ISK Event type ke.

ATH Event type ke. Manual Solution by D.Makaris First location: 2021/10/20 15:08:13, This location: 2021/10/20 15:20:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**20 01 29 35.7–.77**	**35.16N–.02**	**25.30E–.01**	**13–5**	**3.5b**	**144**	**0-45**
IDC	X	20 01 29 32.6–2.9	35.00N	25.42E	0	3.5b,3.3		**¶621802267**
ISK	X	20 01 29 34.9	35.07N	25.30E	4–0	3.2L,3.3		
ATH	X	20 01 29 35.5	35.17N	25.31E	12–0	3.4L,3.3		
THE	X	20 01 29 35.8	35.2N–.70	25.3E–.50	0–1	3.4,3.4		
AFAD	X	20 01 29 41.6	35.14N	26.05E	6–3	2.9L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=60.6km s-min=26.2km az=178.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/20 01:48:49, This location: 2022/05/07 05:48:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**20 01 31 16.1–.80**	**35.17N–.03**	**25.30E–.01**	**11–5**	**3.4b**	**106**	**0-45**
IDC	X	20 01 31 14.3–2.8	35.22N	25.48E	0	3.5b,3.5s		**¶621246581**
ATH	X	20 01 31 15.8	35.16N	25.30E	12–1	3.4L,3.5s		
ISK	X	20 01 31 15.5	35.05N	25.28E	4–0	3.1L,3.5s		
THE	X	20 01 31 16.1	35.2N–.70	25.3E–.50	0–1	3.4,3.4		
AFAD	X	20 01 31 19.7	35.45N	25.56E	7–4	2.8L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=57.9km s-min=25.0km az=177.0.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/20 01:30:41, This location: 2021/10/20 01:47:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**21 08 44 48.6–.68**	**35.12N–.02**	**25.22E–.01**	**11–4**	**4.3b**	**187**	**0-78**
ISK	X	21 08 44 47.6	35.21N	25.24E	10–0	3.6L		**¶621261398**
IDC	X	21 08 44 47.6–1.1	35.53N	24.92E	0	4.2b,4.1		
ATH	X	21 08 44 47.8	35.12N	25.23E	14–0	3.8L,4.1		
NEIC	X	21 08 44 48.8–.85	35.13N–.05	25.14E–.07	10–1	4.5b,4.1		
AFAD	X	21 08 44 48.5	35.35N	25.40E	6–5	3.0L,4.1		
THE	X	21 08 44 48.4	35.1N–.70	25.2E–.50	10–1	3.7,3.7		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/21 08:45:35, This location: 2021/10/21 08:50:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.

ATH	**X**	**20 22 09 07.7**	**35.16N**	**25.33E**	**10–1**	**1.5L**		
								¶635736199

ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/20 22:09:19, This location: 2021/10/20 22:43:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**20 22 10 15.4–.90**	**35.14N–.06**	**26.38E–.03**	**24–5**		**93**	**0-43**
IDC	X	20 22 09 52.8–5.8	33.59N	24.44E	0	3.5L,3.5b		**¶621802307**
ATH	X	20 22 10 14.5	35.09N	26.40E	25–0	3.5L,3.5b		
ISK	X	20 22 10 15.4	35.31N	26.34E	7–0	3.4L,3.5b		
THE	X	20 22 10 16.1	35N–2.0	26E–1.0	1–2	3.2,3.2		

ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/20 22:11:29, This location: 2021/10/20 22:55:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**X**	**21 09 57 05.3–.76**	**35.08N–.03**	**25.19E–.02**	**12–4**	**4.1b**	**124**	**0-45**
AFAD	X	21 09 56 46.1	34.20N	24.32E	6–13	3.2L		**¶621261401**
IDC	X	21 09 57 01.1–2.0	35.02N	24.64E	0	4.2b,3.9		
THE	X	21 09 57 05.8	35.1N–.90	25.2E–.60	9–1	3.6,3.6		
ATH	X	21 09 57 05.6	35.12N	25.24E	12–0	3.7L,3.6		
ISK	X	21 09 57 05.2	35.17N	25.20E	12–0	3.3L,3.6		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=26.9km s-min=17.4km az=76.0.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/10/21 09:58:19, This location: 2021/10/21 10:14:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**X**	**21 08 04 32.8–.66**	**35.13N–.03**	**25.24E–.01**	**11–4**	**4.1b**	**175**	**0-78**
THE	X	21 08 04 32.8	35.1N–.80	25.3E–.50	8–1	3.7,3.7		**¶621261392**
ATH	X	21 08 04 32.1	35.13N	25.25E	16–0	3.7L,3.7		
ISK	X	21 08 04 32.1	35.22N	25.26E	9–0	3.4L,3.7		
IDC	X	21 08 04 32.4–1.4	35.17N	25.10E	0	4.0b,3.9		
NEIC	X	21 08 04 33.1–.93	35.10N–.07	25.20E–.04	10–1	4.4b,3.9		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/21 08:05:23, This location: 2021/10/21 08:09:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**21 08 47 00.8–.79**	**35.12N–.03**	**25.22E–.01**	**12–4**		**117**	**0-3**
THE	X	21 08 47 01.0	35N–1.0	25.2E–.60	9–1	3.5,3.5		**¶621802332**
ISK	X	21 08 47 00.5	35.12N	25.20E	8–0	3.2L,3.5		
ATH	X	21 08 47 00.3	35.12N	25.24E	15–0	3.5L,3.5		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/21 08:55:59, This location: 2021/10/21 08:54:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**21 09 14 32.1–1.0**	**35.12N–.04**	**25.24E–.03**	**10**	**3.9b**	**18**	**0-45**
THE	X	21 09 14 31.4	35.1N–.60	25.2E–.40	3–2	3.2,3.2		**¶621261399**
IDC	X	21 09 14 49.1–6.2	36.23N	27.41E	0	3.9b,3.8L		

ISC Event type se.
IDC Error ellipse: s-maj=94.2km s-min=50.2km az=51.0.

ATH	**X**	**21 12 21 41.8**	**35.12N**	**25.22E**	**13–0**	**2.1L**		
								¶621820934

ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/21 12:22:33, This location: 2021/10/21 12:27:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**21 09 38 38.6–.54**	**35.11N–.02**	**25.23E–.01**	**14–3**	**4.5b,3.6s**	**532**	**0-125**
AFAD	X	21 09 38 31.6	34.57N	25.38E	7–6	4.2W,3.6s		**¶621802341**
IDC	X	21 09 38 36.6–.60	35.17N	25.18E	0	4.3b,4.2		
ATH	X	21 09 38 37.9	35.13N	25.24E	14–0	4.5L,4.2		
MOS	X	21 09 38 37.0–1.2	35.11N	25.10E	14	4.6b,4.2		
NEIC	X	21 09 38 38.4–2.6	35.03N–.08	25.16E–.07	10–1	4.7b,4.2		
THE	X	21 09 38 38.8	35.1N–1.0	25.2E–.50	11–1	4.5,4.5		
MED_R	X	21 09 38 38.0	35.09N	25.25E	16	4.5W,4.5		
ISK	X	21 09 38 38.2	35.15N	25.22E	8–0	4.2L,4.5		
MCSM	X	21 09 38 38.5–1.8	35N–4.0	25E–4.0	9–12	4.8b,4.5b		
GII	X	21 09 38 38.2–.00	34.718N–.00	25.299E–.00	0	4.7,4.5b		
GFZ	X	21 09 38 39.6	35.00N	25.25E	11	4.5W,4.5b		
GFZ	X	21 09 38 39.6–.26	35N–3.0	25E–2.0	10	6.7,6.5		
PDG	X	21 09 38 43.6–.92	35.23N	25.08E	26–10	4.4L,6.5		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=13.5km s-min=7.1km az=14.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/21 09:39:14, This location: 2021/10/22 06:45:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
MOS Error ellipse: s-maj=8.2km s-min=4.6km az=70.3.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.2km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-4.73±2.64 $M_{\theta\theta}$0.56±2.21; $M_{\phi\phi}$0.00±1.29; $M_{r\theta}$-3.91±2.71; $M_{\theta\phi}$4.88±1.00; $M_{\phi r}$-2.74±1.89; NP1:ϕ_s189.00000°,δ32.00000°,λ-130.00000°. NP2:ϕ_s53.00000°,δ66.00000°,λ-68.00000°. Principal axes: T 9.0500,Plg18.0000°,Azm127.0000°; N -2.2400,Plg20.0000°,Azm224.0000°; P -6.8100,Plg63.0000°,Azm358.0000° $M_0$7.93000×10^{15}
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-5.41 $M_{\theta\theta}$2.58 $M_{\phi\phi}$2.83 $M_{r\theta}$2.95 $M_{\theta\phi}$3.58 $M_{\phi r}$-0.92 NP1: ϕ_s247.27491°,δ56.72175°,λ-60.58084°. NP2:ϕ_s21.49189°,δ43.26336°,λ-126.81089°. Principal axes: T 6.4689,Plg7.2922°,Azm316.7778°; N 0.3711,Plg24.2455°,Azm50.0817°; P -6.8400,Plg64.5441°,Azm211.1840° $M_0$6.66222×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.1km az=90.0.

ISC	**X**	**21 14 14 02.0–.67**	**35.11N–.02**	**25.22E–.01**	**13–4**	**4.0b**	**169**	**0-78**
AFAD	X	21 14 14 00.4	34.67N	25.37E	6–5	3.9W		**¶621261413**
ISK	X	21 14 14 01.5	35.17N	25.24E	10–0	3.5L		
IDC	X	21 14 14 01.1–1.2	35.08N	25.11E	0	4.0b,3.9L		
ATH	X	21 14 14 01.4	35.11N	25.23E	14–0	4.0L,3.9L		
THE	X	21 14 14 02.0	35.1N–.90	25.2E–.60	9–1	3.9,3.9		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/21 14:14:48, This location: 2021/10/21 14:18:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**X**	**21 11 18 08.7–.70**	**35.11N–.03**	**25.21E–.01**	**12–4**		**200**	**0-49**
ATH	X	21 11 18 07.8	35.13N	25.23E	15–0	3.7L		**¶621235438**
ISK	X	21 11 18 07.8	35.14N	25.21E	8–0	3.4L		
THE	X	21 11 18 08.7	35.1N–.60	25.3E–.40	10–0	3.6,3.6		
NEIC	X	21 11 18 09.6–2.0	35.09N–.07	25.13E–.03	10–1	4.0b,3.6		
GFZ	X	21 11 18 09.7–.37	35N–4.0	25E–2.0	10	4.5b,4.2b		
AFAD	X	21 11 18 11.1	35.50N	25.45E	8–6	3.2L,4.2b		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/21 11:18:46, This location: 2021/10/21 11:25:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=3.0km az=14.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.9km s-min=5.0km az=9.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**21 08 12 56.7–.50**	**35.14N–.02**	**25.24E–.01**	**12–2**	**4.8b,4.7s**	**640**	**0-126**
BJI	X	21 08 12 55.0	35.20N	25.20E	10	5.1b,4.8b		**¶621229677**
MCSM	X	21 08 12 55.8–1.9	35N–6.0	25E–4.0	12–13	4.9b,4.6		
MOS	X	21 08 12 55.3–1.1	35.22N	25.15E	10	4.9b,4.6		
IDC	X	21 08 12 56.2–.53	35.33N	25.15E	0	4.6b,4.4		
ATH	X	21 08 12 56.0	35.13N	25.25E	14–0	4.5L,4.4		
ISK	X	21 08 12 56.3	35.21N	25.20E	10–0	4.3L,4.4		
THE	X	21 08 12 56.5	35N–1.0	25.2E–.70	10–1	4.5,4.5		
GFZ	X	21 08 12 57.6–.27	35N–3.0	25E–2.0	10	5.1b,4.8		
NEIC	X	21 08 12 57.5–1.0	35.24N–.03	25.24E–.07	10–1	4.8b,4.8		
MED_R	X	21 08 12 58.0	35.19N	25.25E	18	4.6W,4.8		
GFZ	X	21 08 12 58.2	35.06N	25.26E	11	4.5W,4.8		
PDG	X	21 08 12 58.6–.91	35.28N	25.11E	14–1	4.4L,4.8		
GII	X	21 08 13 01.6–.00	34.670N–.00	25.703E–.00	0	4.3,4.8		
AFAD	X	21 08 13 04.0	35.27N	26.18E	15–20	4.0W,4.8		

ISC Event type ke.
MOS Error ellipse: s-maj=6.7km s-min=3.8km az=79.2.
IDC Error ellipse: s-maj=12.0km s-min=7.5km az=4.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/21 08:13:06, This location: 2021/10/22 06:27:25 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.2km az=264.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.90±.11 $M_{\theta\theta}$0.54±.07; $M_{\phi\phi}$0.00±.07; $M_{r\theta}$0.22±.11; $M_{\theta\phi}$0.67±.05; $M_{\phi r}$-0.44±.13; NP1: ϕ_s253.00000°,δ47.00000°,λ-52.00000°. NP2:ϕ_s24.00000°,δ54.00000°,λ-124.00000°. Principal axes: T 1.1400,Plg4.0000°,Azm137.0000°; N 0.0200,Plg27.0000°,Azm45.0000°; P -1.1500,Plg63.0000°,Azm235.0000° $M_0$1.14000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-6.78 $M_{\theta\theta}$2.54 $M_{\phi\phi}$4.24 $M_{r\theta}$0.54 $M_{\theta\phi}$3.12 $M_{\phi r}$1.07 NP1: ϕ_s215.58613°,δ50.01102°,λ-92.28080°. NP2:ϕ_s39.13258°,δ40.04307°,λ-87.28355°. Principal axes: T 6.7316,Plg4.9863°,Azm307.2048°; N 0.1610,Plg1.7473°,Azm217.0523°; P -6.8926,Plg84.7149°,Azm107.7974° $M_0$6.81356×10^{15}
PDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=90.0.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**21 14 42 29.4–.70**	**35.11N–.02**	**25.20E–.01**	**15–4**	**4.1b**	**157**	**0-59**
IDC	X	21 14 42 25.4–2.4	34.91N	24.74E	0	4.1b,3.9		**¶621802359**
AFAD	X	21 14 42 26.0	35.20N	25.01E	14	3.6W,3.9		
THE	X	21 14 42 29.8	35N–1.0	25.2E–.80	8–1	3.6,3.6		
ATH	X	21 14 42 29.5	35.11N	25.24E	12–0	3.7L,3.6		
ISK	X	21 14 42 29.2	35.10N	25.19E	14–0	3.4L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=15.9km az=73.0.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/21 14:43:17, This location: 2021/10/21 14:50:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.

ISC	**X**	**22 10 11 31.3–.56**	**35.13N–.02**	**25.22E–.01**	**12–3**	**4.6b,3.5s**	**636**	**0-125**
IDC	X	22 10 11 29.5–.57	35.19N	25.13E	0	4.4b,4.3		**¶621236118**
MOS	X	22 10 11 29.7–1.1	35.14N	25.04E	12	4.8b,4.3		
ATH	X	22 10 11 30.9	35.12N	25.23E	12–0	4.3L,4.3		
NEIC	X	22 10 11 30.9–1.1	35.07N–.05	25.20E–.02	10–1	4.5b,4.3		
THE	X	22 10 11 31.0	35.1N–.80	25.2E–.50	9–1	4.4,4.4		
ISK	X	22 10 11 30.8	35.20N	25.22E	6–0	4.3L,4.4		
GFZ	X	22 10 11 31.4	35.08N	25.21E	11	4.3W,4.4		
MED_R	X	22 10 11 31.0	35.10N	25.20E	10	4.3W,4.4		
GFZ	X	22 10 11 32.0–.24	35N–3.0	25E–2.0	10	5.0b,4.5b		
MCSM	X	22 10 11 32.6–.60	35N–4.0	25E–3.0	11–3	4.7b,4.5		
AFAD	X	22 10 11 33.1	35.47N	25.36E	7–5	4.0W,4.5		

ISC Event type ke.
IDC Error ellipse: s-maj=12.9km s-min=7.1km az=16.0.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=71.8.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/10/22 10:12:24, This location: 2021/10/22 10:40:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=3.4km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.70 $M_{\theta\theta}$1.97 $M_{\phi\phi}$1.74 $M_{r\theta}$0.36 $M_{\theta\phi}$1.90 $M_{\phi r}$-1.01 NP1: ϕ_s33.03844°,δ49.96733°,λ-108.23201°. NP2:ϕ_s240.15594°,δ43.34459°,λ-69.57330°. Principal axes: T 3.7767,Plg3.4058°,Azm135.8427°; N 0.1941,Plg13.8602°,Azm45.0013°; P -3.9708,Plg75.7111°,Azm239.3557° $M_0$3.87739×10^{15}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-2.97±.32 $M_{\theta\theta}$2.01±.26; $M_{\phi\phi}$0.00±.21; $M_{r\theta}$0.80±.77; $M_{\theta\phi}$2.38±.28; $M_{\phi r}$-0.71±.56; NP1: ϕ_s30.00000°,δ48.00000°,λ-122.00000°. NP2:ϕ_s252.00000°,δ51.00000°,λ-60.00000°. Principal axes: T 3.9300,Plg2.0000°,Azm322.0000°; N -0.5000,Plg23.0000°,Azm52.0000°; P -3.4200,Plg67.0000°,Azm228.0000° $M_0$3.67000×10^{15}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
ISC X 21 16 37 54.9–.77 35.13N–.02 25.22E–.01 9–4 3.7b 97 0-45
IDC X 21 16 37 43.6–43 34.33N 23.42E 0 4.1L,3.7b **¶621261416**
ATH X 21 16 37 54.1 35.12N 25.23E 12–0 3.3L,3.7b
THE X 21 16 37 54.3 35N–1.0 25.2E–.60 4–1 3.1,3.1
ISK X 21 16 37 54.3 35.11N 25.21E 8–0 3.1L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=820.6km s-min=88.3km az=64.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/21 16:38:50, This location: 2021/10/21 16:43:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISC X 21 18 52 57.6–.77 35.12N–.02 25.22E–.01 11–4 3.7b 157 0-45
ISK X 21 18 52 56.5 35.08N 25.21E 8–0 3.1L **¶621802369**
THE X 21 18 52 57.3 35.1N–.90 25.2E–.60 9–1 3.4,3.4
ATH X 21 18 52 57.1 35.11N 25.22E 10–1 3.5L,3.4
IDC X 21 18 52 59.5–6.5 34.32N 26.05E 0 3.7b,3.5
AFAD X 21 18 53 04.0 35.43N 25.38E 34–242 2.8L,3.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/21 18:53:47, This location: 2021/10/21 19:01:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=277.3km s-min=87.2km az=128.0.
AFAD Event type se. Presumed earthquake.
ISC X 23 14 41 04.7–.69 35.15N–.02 25.22E–.01 13–4 3.7s,3.7b 149 0-75
IDC X 23 14 41 03.1–1.9 35.17N 25.17E 0 3.7b,3.7s **¶621309377**
ATH X 23 14 41 04.6 35.13N 25.24E 12–0 3.3L,3.7s
THE X 23 14 41 04.6 35N–1.0 25.2E–.70 10–1 3.1,3.1
ISK X 23 14 41 04.4 35.20N 25.22E 9–0 3.1L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=12.0km az=12.0.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/10/23 14:41:53, This location: 2021/10/23 14:53:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISK X 22 11 51 58.4 35.56N 25.25E 16–0 1.6L
¶621821016
ISK Event type ke.
ATH X 23 00 48 13.8 35.17N 25.22E 8–1 1.5L
¶626169017
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/23 00:48:32, This location: 2021/10/23 09:23:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISC X 22 17 12 51.0–.58 35.17N–.02 25.31E–.01 13–3 4.2b,3.4s 504 0-125
IDC X 22 17 12 49.6–.72 35.25N 25.27E 0 4.0b,3.9 **¶621237002**
AFAD X 22 17 12 50.0 34.90N 25.21E 25–182 3.9W,3.9
ISK X 22 17 12 50.4 35.18N 25.30E 6–0 4.0L,3.9
ATH X 22 17 12 50.8 35.18N 25.32E 14–0 3.9L,3.9
NEIC X 22 17 12 50.5–1.2 35.12N–.07 25.29E–.05 10–1 4.3b,3.9
THE X 22 17 12 51.0 35.2N–.60 25.3E–.40 8–1 4.0,4.0
MCSM X 22 17 12 51.0–.70 35N–5.0 25E–5.0 10–4 4.4b,4.3b
GFZ X 22 17 12 52.8–.26 35N–3.0 25E–2.0 10 5.7,5.7b
GII X 22 17 12 52.9–.00 34.251N–.00 25.342E–.00 0–0 4.1,5.7b
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/10/22 17:13:41, This location: 2021/10/22 17:46:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC X 22 17 18 50.3–.70 35.13N–.02 25.26E–.01 15–4 3.8b 226 0-44
IDC X 22 17 18 48.3–2.4 35.08N 25.08E 0 3.9b,3.6 **¶621309335**
ISK X 22 17 18 50.1 35.19N 25.22E 9–0 2.9L,3.6
THE X 22 17 18 50.5 35.1N–.90 25.3E–.50 11–1 3.2,3.2
ATH X 22 17 18 50.8 35.11N 25.24E 10–0 3.2L,3.2
AFAD X 22 17 19 03.0 35.73N 25.77E 64–71 2.3L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=45.1km s-min=19.0km az=43.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/10/22 17:19:41, This location: 2021/10/22 18:13:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC X 22 20 03 39.9–.67 35.12N–.02 25.22E–.01 14–4 4.0b,2.8s 235 0-77
IDC X 22 20 03 38.6–.98 35.10N 25.10E 0 4.0b,3.8 **¶621309345**
THE X 22 20 03 39.9 35N–1.0 25.2E–.70 10–1 3.6,3.6
ISK X 22 20 03 39.6 35.15N 25.19E 9–0 3.6L,3.6
ATH X 22 20 03 39.1 35.11N 25.24E 14–0 3.8L,3.6
AFAD X 22 20 03 47.0 35.32N 25.51E 36–537 3.8W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=21.3km s-min=8.6km az=22.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/10/22 20:04:23, This location: 2021/10/22 21:48:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC X 24 06 36 25.8–1.5 34.83N–.05 23.16E–.04 31–10 3.8b 124 1-46
IDC X 24 06 36 22.2–3.3 34.97N 23.40E 0 3.8b,3.8s **¶621366378**
ATH X 24 06 36 24.3 34.78N 23.04E 15–2 3.3L,3.8s
ISK X 24 06 36 25.9 34.78N 23.15E 18–0 3.0L,3.8s
THE X 24 06 36 29.5 35N–2.0 23E–2.0 23–5 2.9,2.9
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/24 06:37:38, This location: 2021/10/24 06:45:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC X 25 23 25 46.2–.70 35.12N–.02 25.22E–.01 13–4 3.7b 178 0-59
ISK X 25 23 25 45.9 35.09N 25.17E 5–0 3.2L **¶621366448**
ATH X 25 23 25 45.6 35.12N 25.22E 14–0 3.4L
IDC X 25 23 25 45.5–1.6 35.12N 25.05E 0 3.7b,3.5
THE X 25 23 25 46.2 35.1N–.90 25.2E–.50 13–1 3.5,3.5
AFAD X 25 23 25 53.7 35.43N 25.57E 6–3 2.7L,3.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/25 23:26:34, This location: 2021/10/25 23:33:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=30.3km s-min=10.5km az=33.0.
AFAD Event type se. Presumed earthquake.
ISC X 24 10 43 51.8–.72 35.11N–.02 25.21E–.01 13–4 3.9b 214 0-48
IDC X 24 10 43 51.0–1.4 35.25N 25.18E 0 3.9b,3.7 **¶621366385**
ISK X 24 10 43 51.5 35.19N 25.24E 7–0 3.3L,3.7
ATH X 24 10 43 51.5 35.09N 25.21E 15–0 3.5L,3.7
THE X 24 10 43 52.2 35N–1.0 25.2E–.60 10–1 3.3,3.3
AFAD X 24 10 43 54.0 35.23N 25.19E 23–287 3.4W,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=28.0km s-min=11.7km az=3.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/24 10:44:39, This location: 2021/10/24 10:48:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC X 28 02 37 43.6–1.2 34.99N–.03 26.55E–.02 5–10 129 0-9
GII X 28 02 37 41.5–.00 34.991N–.00 26.461E–.00 0 3.1 **¶621802522**
ATH X 28 02 37 44.5 34.89N 26.48E 6–1 3.4L
ISK X 28 02 37 45.5 35.06N 26.48E 5–0 3.2L
THE X 28 02 37 45.5 35N–3.0 26E–2.0 0–2 3.2,3.2
AFAD X 28 02 37 46.8 35.09N 26.66E 9–4 3.6W,3.2
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/28 02:38:52, This location: 2023/04/27 04:45:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 26 19 45 29.2–.98 34.96N–.06 23.34E–.05 49–7 4.0b 164 0-119
IDC X 26 19 45 23.5–1.4 35.11N 23.16E 0 4.0b,3.9 **¶621366490**
NEIC X 26 19 45 25.0–1.4 35.0N–.10 23.27E–.06 10–1 4.1b,3.9
ISK X 26 19 45 28.9 34.94N 23.48E 80–0 3.3L,3.9
THE X 26 19 45 30.7 35N–3.0 23E–3.0 62–4 3.5,3.5
ATH X 26 19 45 30.6 34.97N 23.33E 32–5 3.5L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=15.4km az=19.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=5.4km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/10/26 19:45:43, This location: 2021/10/26 19:55:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ATH X 27 00 46 49.0 35.14N 25.26E 11–0 1.2L
THE X 27 00 46 49.8 35N–6.0 25E–6.0 3–6 1.4,1.4 **¶621802499**
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/27 00:51:00, This location: 2021/10/27 00:53:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC X 28 03 51 27.4–.80 35.18N–.03 26.45E–.02 24–6 3.8b 176 0-44
IDC X 28 03 51 25.7–2.2 34.90N 26.23E 25–20 3.7b,3.6 **¶621391383**
ATH X 28 03 51 25.7 35.08N 26.54E 20–0 3.9L,3.6
ISK X 28 03 51 27.8 35.22N 26.39E 18–0 3.7L,3.6
THE X 28 03 51 28.5 35N–2.0 26E–1.0 7–2 3.6,3.6
AFAD X 28 03 51 32.0 35.35N 26.51E 46–115 3.8W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=14.8km az=18.0.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/28 03:52:29, This location: 2021/10/28 11:39:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 28 22 09 23.8–1.2 35.11N–.05 26.79E–.03 12–8 3.5b 122 0-44
ATH X 28 22 09 21.6 34.99N 26.86E 8–1 3.3L **¶621391404**
ISK X 28 22 09 22.7 35.16N 26.79E 5–0 3.2L
THE X 28 22 09 24.6 35N–8.0 27E–13 0–9 3.1,3.1
AFAD X 28 22 09 27.9 35.31N 26.98E 6–4 2.8L,3.1
IDC X 28 22 10 09.6–21 37.17N 26.09E 446–232 3.4,2.7b
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/28 22:10:36, This location: 2021/10/28 22:17:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=224.2km s-min=24.1km az=166.0.
ISC X 30 14 48 36.6–.89 35.18N–.08 26.32E–.03 16–7 51 0-3
ATH X 30 14 48 34.0 34.91N 26.41E 16–2 2.6L **¶621802579**
ISK X 30 14 48 35.5 35.31N 26.27E 5–0 2.0L
THE X 30 14 48 36.8 35N–5.0 26E–2.0 10–3 2.3,2.3
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/10/30 15:12:27, This location: 2021/10/30 15:32:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 2 km.
ISK Event type ke.
ISC X 29 06 08 33.6–.83 35.19N–.03 25.23E–.02 13–4 61 0-2
ATH X 29 06 08 33.5 35.19N 25.23E 12–0 2.8L **¶621802546**
THE X 29 06 08 34.2 35.2N–.70 25.2E–.60 10–1 2.9,2.9
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/29 06:09:21, This location: 2021/10/29 06:17:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC X 30 01 38 09.1–.59 35.13N–.02 25.23E–.01 11–3 4.1b 513 0-80
MOS X 30 01 38 06.8–1.1 34.96N 25.17E 12 4.3b **¶621244323**
IDC X 30 01 38 08.5–.79 35.28N 25.18E 0 4.1b,4.0
ISK X 30 01 38 08.9 35.18N 25.21E 11–0 3.8L,4.0
THE X 30 01 38 08.5 35.1N–.70 25.3E–.40 10–0 4.3b,4.1
ATH X 30 01 38 08.9 35.13N 25.24E 12–0 3.9L,4.1
NEIC X 30 01 38 09.8–1.9 35.11N–.07 25.19E–.06 10–1 4.1b,4.1
GFZ X 30 01 38 11.1–.28 35N–3.0 25E–2.0 10 5.1b,4.4
MCSM X 30 01 38 11.9–1.1 35N–8.0 25E–7.0 7–3 3.9,3.8b
AFAD X 30 01 38 16.0 35.20N 25.57E 14–147 3.9W,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=8.2km s-min=5.0km az=75.4.
IDC Error ellipse: s-maj=18.1km s-min=7.9km az=7.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/10/30 01:38:17, This location: 2021/10/30 01:56:46 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=3.0km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
ISC X 31 19 04 03.7–.78 35.11N–.03 25.19E–.02 10–4 83 0-45
ISK X 31 19 04 02.3 35.14N 25.20E 5–0 2.8L **¶621395264**
ATH X 31 19 04 02.6 35.09N 25.20E 13–0 3.3L
IDC X 31 19 04 02.9–6.0 34.95N 24.94E 0 3.8b,3.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/31 19:04:52, This location: 2021/10/31 19:10:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=90.8km s-min=70.4km az=53.0.
ISC X 31 00 10 25.0–.76 35.16N–.02 25.29E–.01 8–4 3.4b 127 0-45
IDC X 31 00 10 13.0–14 34.59N 23.77E 0 3.6L,3.4b **¶621395207**
ATH X 31 00 10 24.7 35.14N 25.30E 9–1 2.9L,3.4b
ISK X 31 00 10 24.1 35.09N 25.25E 5–0 2.7L,3.4b
THE X 31 00 10 24.5 35.1N–.60 25.3E–.40 2–1 2.9,2.9
ISC Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/10/31 00:10:35, This location: 2021/10/31 00:22:46 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISC X 31 08 21 13.1–.68 35.12N–.02 25.16E–.01 17–3 3.7b 177 0-62
IDC X 31 08 21 10.3–1.3 35.09N 25.18E 0 3.9b,3.7 **¶621395232**
ATH X 31 08 21 12.8 35.12N 25.17E 15–1 3.5L,3.7
THE X 31 08 21 12.3 35.1N–.80 25.2E–.50 12–0 3.5,3.5
ISK X 31 08 21 12.9 35.09N 25.16E 4–0 3.3L,3.5
AFAD X 31 08 21 24.8 35.31N 26.43E 7–3 3.4W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=13.5km az=14.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/31 08:21:59, This location: 2021/10/31 13:43:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC X 31 08 41 14.1–.66 35.15N–.02 25.19E–.01 17–3 3.9b 252 0-78
IDC X 31 08 41 12.5–1.1 35.26N 25.17E 0 3.9b,3.8 **¶621395233**
ATH X 31 08 41 13.5 35.15N 25.19E 17–0 3.8L,3.8
THE X 31 08 41 13.6 35.2N–.70 25.2E–.40 12–0 4.3b,3.7
ISK X 31 08 41 13.3 35.16N 25.19E 11–0 3.4L,3.7
AFAD X 31 08 41 15.0 35.05N 25.30E 7–4 3.1L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=21.6km s-min=10.9km az=9.0.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/10/31 08:41:58, This location: 2021/10/31 09:40:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 31 19 34 08.1–.68 35.12N–.02 25.17E–.01 16–4 3.7b 242 0-45
IDC X 31 19 34 03.7–1.5 34.89N 24.87E 0 3.6b,3.5 **¶621395267**
THE X 31 19 34 08.0 35.1N–.70 25.2E–.40 12–0 3.4,3.4
ISK X 31 19 34 07.3 35.14N 25.18E 4–0 3.2L,3.4
ATH X 31 19 34 08.0 35.13N 25.18E 14–0 3.5L,3.4
AFAD X 31 19 34 16.0 35.25N 25.54E 95–154 3.0L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=24.8km s-min=17.6km az=36.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/31 19:34:57, This location: 2021/10/31 19:41:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC X 31 19 39 56.1–.68 35.15N–.02 25.18E–.01 16–4 4.0b 306 0-44
GII X 31 19 39 50.8–.00 35.051N–.00 25.169E–.00 0–0 3.8 **¶621395269**
IDC X 31 19 39 54.8–1.1 35.16N 25.13E 0 4.0b,3.7
THE X 31 19 39 55.9 35.2N–.70 25.2E–.50 2–0 3.4,3.4
ISK X 31 19 39 55.6 35.15N 25.18E 7–0 3.4L,3.4
ATH X 31 19 39 55.6 35.14N 25.19E 18–0 3.6L,3.4
AFAD X 31 19 39 59.0 35.26N 25.33E 6–5 3.5W,3.4
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=16.5km s-min=10.4km az=27.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/31 19:40:46, This location: 2021/10/31 19:46:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC XI 02 09 14 48.8–1.0 34.93N–.04 26.27E–.02 10–6 4.1b 215 0-125
AFAD XI 02 09 14 44.3 34.57N 26.34E 8–9 3.7L **¶621401335**
IDC XI 02 09 14 48.5–.71 34.97N 26.09E 0 4.1b,4.0
ATH XI 02 09 14 48.0 34.88N 26.28E 10–1 4.0L,4.0
ISK XI 02 09 14 48.9 34.96N 26.25E 5–0 3.8L,4.0
NEIC XI 02 09 14 49.4–.99 34.99N–.06 26.26E–.05 10–1 4.1b,4.0
THE XI 02 09 14 49.8 35N–2.0 26E–1.0 1–1 3.8,3.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/11/02 09:15:07, This location: 2021/11/02 09:27:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 31 20 40 06.0–.61 35.15N–.02 25.25E–.02 15–3 4.2b 423 0-87
NEIC X 31 20 40 04.2–2.1 34.96N–.06 25.19E–.07 10–1 4.3b **¶621395273**
ISK X 31 20 40 05.7 35.16N 25.24E 10–0 3.6L
IDC X 31 20 40 05.4–.86 35.25N 25.19E 0 4.1b,3.9
THE X 31 20 40 06.2 35.2N–.70 25.3E–.50 2–0 3.6,3.6
ATH X 31 20 40 06.3 35.14N 25.25E 13–0 3.7L,3.6
AFAD X 31 20 40 15.0 35.33N 25.58E 35–128 3.8W,3.6
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.9km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
IDC Error ellipse: s-maj=17.7km s-min=8.7km az=14.0.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/31 20:40:58, This location: 2021/10/31 21:15:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ATH XI 02 12 00 49.5 35.20N 25.33E 11–1 1.3L
¶621821708
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/11/02 12:00:57, This location: 2021/11/02 12:06:07 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XI 04 01 01 32.5–.93 35.13N–.04 26.37E–.02 18–6 113 0-4
ATH XI 04 01 01 30.2 35.02N 26.50E 18–1 3.6L **¶621821823**
ISK XI 04 01 01 31.7 35.27N 26.38E 5–0 3.1L
THE XI 04 01 01 33.2 35N–2.0 26E–1.0 3–2 3.1,3.1
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/11/04 01:01:53, This location: 2022/05/16 08:03:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC XI 02 06 09 07.8–.72 35.75N–.02 25.09E–.02 13–5 3.8b 240 0-126
AFAD XI 02 06 09 03.0 35.57N 24.52E 65–133 3.9W **¶621262024**
IDC XI 02 06 09 05.3–.72 35.77N 24.86E 0 3.9b,3.8
MCSM XI 02 06 09 06.6–1.1 35N–10 25E–8.0 12–3 4.7b,4.0
ISK XI 02 06 09 07.4 35.73N 25.07E 8–0 3.8L,4.0
ATH XI 02 06 09 08.9 35.69N 25.08E 17–1 3.9L,4.0
THE XI 02 06 09 09.5 35.7N–.70 25.1E–.80 16–2 3.9,3.9
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/11/02 06:10:02, This location: 2021/11/02 06:16:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XI 02 23 46 55.2–.71 35.17N–.02 25.26E–.02 12–4 3.8b 126 0-84
ISK XI 02 23 46 54.6 35.19N 25.24E 8–0 3.5L **¶621401368**
IDC XI 02 23 46 54.7–1.7 35.16N 25.19E 0 3.8b,3.7
THE XI 02 23 46 55.1 35.2N–.70 25.3E–.50 10–1 3.5,3.5
ATH XI 02 23 46 55.0 35.19N 25.30E 12–0 3.6L,3.5
AFAD XI 02 23 46 57.0 35.22N 25.21E 14–822 3.1L,3.5
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=10.8km az=9.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/11/02 23:47:51, This location: 2021/11/02 23:53:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC XI 03 15 09 45.7–.91 35.46N–.05 23.13E–.05 51–7 4.1b,3.2s 188 0-82
MCSM XI 03 15 09 39.8–2.5 35N–19 22E–13 35–25 4.0b,3.9 **¶621261457**
ISK XI 03 15 09 45.4 35.41N 23.12E 76–0 3.5L,3.9
NEIC XI 03 15 09 45.8–1.9 35.5N–.10 23.05E–.10 46–9 4.2b,3.9
IDC XI 03 15 09 47.6–2.8 35.58N 23.22E 62–17 3.9,3.7b
ATH XI 03 15 09 47.3 35.46N 23.17E 30–1 3.5L,3.7b
ISC Event type ke.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=7.5km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.9km s-min=14.7km az=36.0.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/11/03 15:10:53, This location: 2021/11/03 15:47:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISC XI 05 02 42 38.3–.92 35.70N–.02 25.08E–.02 15–8 168 0-4
ISK XI 05 02 42 37.2 35.75N 25.12E 8–0 3.3L **¶621821904**
ATH XI 05 02 42 38.5 35.68N 25.07E 19–1 3.5L
THE XI 05 02 42 38.9 35.7N–.60 25.1E–1.0 16–2 3.3,3.3
AFAD XI 05 02 42 42.3 35.05N 25.90E 4–4 2.7L,3.3
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/05 02:43:28, This location: 2021/11/05 02:50:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC XI 04 21 41 18.5–.76 35.13N–.02 25.21E–.01 8–4 3.7b 154 0-77
ISK XI 04 21 41 17.6 35.10N 25.18E 10–0 3.3L **¶621412317**
ATH XI 04 21 41 17.9 35.13N 25.22E 11–0 3.4L
THE XI 04 21 41 18.3 35.1N–.80 25.2E–.50 10–1 3.4,3.4
IDC XI 04 21 41 18.7–1.1 35.17N 25.04E 0 3.7b,3.6
AFAD XI 04 21 41 24.0 35.20N 25.38E 35–175 3.0L,3.6
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/04 21:42:05, This location: 2021/11/04 21:50:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=20.9km s-min=12.4km az=30.0.
AFAD Event type se. Presumed earthquake.
ISC XI 05 04 28 11.7–1.3 34.42N–.04 26.62E–.03 11–8 4.1b 288 1-77
GII XI 05 04 28 09.8–.00 34.29N–.02 26.563E–.01 0–0 3.8 **¶621413955**
IDC XI 05 04 28 11.2–.97 34.49N 26.64E 0 4.0b,3.9
NEIC XI 05 04 28 12.2–1.6 34.37N–.07 26.62E–.05 10–1 4.2b,3.9
ISK XI 05 04 28 13.3 34.50N 26.63E 10–0 3.6L,3.9
ATH XI 05 04 28 14.5 34.54N 26.48E 18–1 3.6L,3.9
THE XI 05 04 28 15.0 35N–3.0 27E–2.0 3–4 3.3,3.3
AFAD XI 05 04 28 18.0 34.60N 26.83E 112–57 3.7W,3.3
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=19.1km s-min=10.4km az=12.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.1km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/05 04:29:28, This location: 2021/11/05 04:34:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
ISC XI 05 04 48 56.1–.88 35.70N–.01 25.08E–.01 15–7 3.6b 197 0-45
ISK XI 05 04 48 55.0 35.72N 25.09E 8–0 3.3L **¶621413956**
ATH XI 05 04 48 55.8 35.69N 25.08E 17–0 3.5L
THE XI 05 04 48 56.2 35.7N–.70 25.1E–1.0 13–3 3.5,3.5
IDC XI 05 04 48 56.4–.72 35.35N 24.99E 43–21 3.4b,3.4
AFAD XI 05 04 48 57.6 35.71N 25.44E 7–3 3.5W,3.4
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/05 04:49:52, This location: 2021/11/05 04:56:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=34.2km s-min=17.8km az=43.0.
AFAD Event type se. Presumed earthquake.
ISC XI 07 07 17 12.6–.78 35.13N–.02 25.22E–.01 7–5 3.7b 140 0-59
ISK XI 07 07 17 11.6 35.16N 25.22E 5–0 3.3L **¶621416024**
THE XI 07 07 17 12.3 35N–1.0 25.2E–.80 0–1 3.6,3.6
ATH XI 07 07 17 12.2 35.13N 25.23E 8–0 3.6L,3.6
IDC XI 07 07 17 12.2–1.4 35.20N 25.12E 0 3.7b,3.6
AFAD XI 07 07 17 50.2 36.29N 28.41E 7–6 1.7L,3.6
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/11/07 07:18:02, This location: 2021/11/07 10:28:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=27.1km s-min=13.2km az=1.0.
AFAD Event type se. Presumed earthquake.
ISC XI 06 03 23 02.7–1.4 34.66N–.05 26.82E–.02 5–9 3.6b 98 1-44
ISK XI 06 03 23 00.6 34.24N 26.34E 11–0 2.8L **¶621415967**
ATH XI 06 03 23 03.3 34.39N 26.58E 6–2 2.9L
IDC XI 06 03 23 04.2–1.1 34.82N 26.77E 0 3.7b,3.6
THE XI 06 03 23 06.3 35N–13 27E–11 0–13 2.7,2.7
AFAD XI 06 03 23 10.3 34.71N 26.95E 10–4 2.6L,2.7
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/11/06 03:24:25, This location: 2021/11/06 06:28:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=23.2km s-min=10.9km az=26.0.
AFAD Event type se. Presumed earthquake.
ISC XI 07 02 17 54.4–.71 35.14N–.02 25.22E–.02 11–4 4.1b 153 0-58
ATH XI 07 02 17 53.6 35.13N 25.22E 13–0 3.8L **¶621384554**
IDC XI 07 02 17 53.7–1.4 35.11N 25.05E 0 4.0b,3.8
ISK XI 07 02 17 53.4 35.13N 25.22E 5–0 3.6L,3.8
THE XI 07 02 17 54.5 35N–11 25E–6.0 2–6 4.0b,3.7
AFAD XI 07 02 18 01.0 35.11N 25.75E 5–256 3.7W,3.7
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/11/07 02:18:41, This location: 2021/11/07 02:26:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=22.8km s-min=10.6km az=36.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH XI 08 07 56 58.3 35.13N 25.22E 10–1 2.0L
ISK XI 08 07 56 55.9 35.01N 25.15E 18–0 1.9L **¶621822209**
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/11/08 07:58:01, This location: 2021/11/08 08:04:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISC XI 12 05 59 32.4–.81 35.19N–.03 25.34E–.02 13–4 46 0-2
THE XI 12 05 59 32.3 35N–1.0 25E–1.0 17–0 2.5,2.5 **¶621822556**
ATH XI 12 05 59 32.2 35.20N 25.37E 12–1 2.5L,2.5
ISK XI 12 05 59 33.3 35.18N 25.29E 8–0 2.2L,2.5
ISC Event type ke.
ATH Event type ke. Manual Solution by S.Kalamatas First location: 2021/11/12 06:00:33, This location: 2021/11/12 06:25:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISC XI 08 12 12 05.8–.97 34.82N–.04 24.84E–.02 17–6 118 0-4
ISK XI 08 12 12 04.2 34.83N 24.83E 5–0 3.2L **¶621822216**
ATH XI 08 12 12 04.7 34.77N 24.84E 5–1 3.5L
THE XI 08 12 12 05.3 35N–1.0 24.9E–.70 19–1 3.5,3.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/11/08 12:12:57, This location: 2021/11/08 12:18:10 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISC XI 11 10 45 09.4–2.2 34.9N–.10 26.39E–.04 11–12 24 0-3
ATH XI 11 10 45 10.0 34.91N 26.38E 18–2 2.7L **¶626170328**
ISK XI 11 10 45 10.2 34.92N 26.38E 10–0 2.3L
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/11/11 11:36:33, This location: 2021/11/11 11:19:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC XI 12 03 45 58.8–.61 35.30N–.04 23.30E–.03 49–5 4.3b,3.5s 582 0-80
MCSM XI 12 03 45 54.5–.40 35N–4.0 23E–3.0 10 4.3b,4.3 **¶621399242**
NEIC XI 12 03 45 58.7–1.4 35.30N–.07 23.19E–.06 43–7 4.3b,4.3
MED_R XI 12 03 45 58.0 35.28N 23.19E 51 4.2W,4.3
MOS XI 12 03 45 58.9–1.2 35.45N 23.27E 58 4.5b,4.3

ISK	XI	12 03 45 58.8	35.17N	23.25E	24–0	4.1L,4.3		
THE	XI	12 03 45 58.3	35N–2.0	23E–2.0	11–3	4.2,4.2		
ATH	XI	12 03 45 59.8	35.24N	23.28E	28–1	4.2L,4.2		
PDG	XI	12 03 45 59.5–1.2	35.21N	23.16E	10–6	4.3L,4.2		
GFZ	XI	12 03 45 59.1–.50	35N–5.0	23E–4.0	43–3	4.9b,4.2b		
GFZ	XI	12 03 45 59.1	35.23N	23.28E	46	4.3W,4.2b		
IDC	XI	12 03 45 59.8–1.6	35.37N	23.28E	55–15	4.0,3.8b		
AFAD	XI	12 03 46 07.0	35.48N	24.11E	50–564	3.9W,3.8b		
GII	XI	12 03 46 10.2–.00	33.960N–.00	24.170E–.00	0	4.2,3.8b		
NAO	XI	12 03 46 38.1	39.43N	21.85E	33	2.9b,3.8b		

ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.0km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}1.68±.22 $M_{\theta\theta}$0.64±.17; $M_{\phi\phi}$0.00±.16; $M_{r\theta}$0.72±.12; $M_{\theta\phi}$0.12±.32; $M_{\phi r}$-0.69±.12; NP1: ϕ_s22.00000°,δ41.00000°,λ129.00000°. NP2:ϕ_s156.00000°,δ59.00000°,λ62.00000°. Principal axes: T 2.1200,Plg64.0000°,Azm17.0000°; N 0.3300,Plg24.0000°,Azm171.0000° ; P -2.4400,Plg10.0000°,Azm265.0000° M_o2.28000×10^{15}

MOS	XI	Error ellipse: s-maj=7.0km s-min=3.9km az=73.6.						
ISK	XI	Event type ke.						
ATH	XI	Event type ke. Manual Solution by S.Liakopoulos First location: 2021/11/12 03:46:59, This location: 2021/11/12 05:00:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.						
PDG	XI	Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=90.0.						
GFZ	XI	Error ellipse: s-maj=12.8km s-min=4.4km az=31.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.						
GFZ	XI	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.44 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-2.88 $M_{r\theta}$-0.43 $M_{\theta\phi}$2.30 $M_{\phi r}$-0.81 NP1: ϕ_s163.16217°,δ50.43044°,λ110.40852°. NP2:ϕ_s312.87393°,δ43.74158°,λ67.12143°. Principal axes: T 3.6906,Plg74.0075°,Azm136.6672°; N 0.6332,Plg15.5932°,Azm329.8285° ; P -4.3237,Plg3.4641°,Azm238.8605° M_o4.04449×10^{15}						
IDC	XI	Error ellipse: s-maj=16.3km s-min=12.0km az=174.0.						
AFAD	XI	Event type se. Presumed earthquake.						
GII	XI	Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.						
NAO	XI	Event type se. Presumed earthquake.						
ISC	**XI**	**13 02 02 18.0–.72**	**35.19N–.02**	**25.30E–.01**	**9–4**		**163**	**0-44**
THE	XI	13 02 02 18.0	35.2N–.80	25.3E–.50	8–1	3.1,3.1	**¶621468575**	
ATH	XI	13 02 02 17.6	35.20N	25.30E	8–1	3.1L,3.1		
IDC	XI	13 02 02 17.5–1.7	35.09N	25.14E	0	3.4,3.3b		
ISC	XI	Event type ke.						
ATH	XI	Event type ke. Manual Solution by G.Panopoulou First location: 2021/11/13 02:03:06, This location: 2022/05/09 18:31:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.						
IDC	XI	Error ellipse: s-maj=58.9km s-min=29.3km az=155.0.						
ATH	**XI**	**12 15 12 40.8**	**35.15N**	**25.23E**	**6–1**	**2.3L**		
ISK	XI	12 15 12 39.3	35.33N	25.25E	19–0	2.2L	**¶621822605**	
THE	XI	12 15 12 40.9	35.1N–.90	25.2E–.50	6–2	2.5,2.5		
ATH	XI	Event type ke. Manual Solution by D.Makaris First location: 2021/11/12 15:13:26, This location: 2021/11/12 15:17:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.						
ISK	XI	Event type ke.						
ISC	**XI**	**26 08 09 52.2–1.4**	**34.53N–.06**	**25.50E–.03**	**26–10**	**3.7b**	**99**	**1-62**
ATH	XI	26 08 09 53.7	34.60N	25.45E	8–1	3.5L	**¶621621989**	
IDC	XI	26 08 09 53.6–1.2	35.16N	25.90E	0	3.8b,3.7L		
THE	XI	26 08 09 54.4	35N–2.0	25E–1.0	11–2	3.4,3.4		
AFAD	XI	26 08 09 58.0	34.61N	25.72E	35–568	3.0L,3.4		
ISC	XI	Event type ke.						
ATH	XI	Event type ke. Manual Solution by F.Xalaris First location: 2021/11/26 08:10:45, This location: 2021/11/26 08:20:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.						
IDC	XI	Error ellipse: s-maj=18.7km s-min=12.7km az=36.0.						
AFAD	XI	Event type se. Presumed earthquake.						
ISC	**XI**	**17 18 30 00.0–1.3**	**34.67N–.04**	**26.87E–.02**	**24–14**		**126**	**1-8**
ATH	XI	17 18 30 03.9	34.65N	26.62E	26–3	2.9L	**¶621822942**	
THE	XI	17 18 30 05.7	35N–5.0	27E–3.0	54–10	2.8,2.8		
ISK	XI	17 18 30 09.1	35.47N	26.16E	9–0	2.6L,2.8		
GII	XI	17 18 30 09.8–.00	34.090N–.00	27.288E–.00	0	2.9,2.8		
AFAD	XI	17 18 30 13.5	35.34N	27.50E	8–1	2.2L,2.8		
ISC	XI	Event type ke.						
ATH	XI	Event type ke. Manual Solution by F.Gkika First location: 2021/11/17 18:31:14, This location: 2021/11/17 18:50:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.						
ISK	XI	Event type ke.						
GII	XI	Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.						
AFAD	XI	Event type se. Presumed earthquake.						
ISC	**XI**	**17 14 53 07.1–1.8**	**34.02N–.07**	**25.78E–.04**	**26–11**	**4.2b**	**88**	**1-64**
IDC	XI	17 14 53 04.9–4.8	34.13N	25.43E	0	4.0b,3.9	**¶621494213**	
NEIC	XI	17 14 53 05.5–.98	34.08N–.09	25.87E–.07	10–2	4.3b,3.9		
ISK	XI	17 14 53 06.4	33.88N	25.83E	14–0	2.7L,3.9		
ATH	XI	17 14 53 07.9	34.02N	25.70E	28–14	2.9L,3.9		
THE	XI	17 14 53 12.6	34N–4.0	26E–3.0	14–10	2.6,2.6		
ISC	XI	Event type ke.						
NEIC	XI	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISK	XI	Event type ke.						
ATH	XI	Event type ke. Manual Solution by F.Gkika First location: 2021/11/17 14:53:35, This location: 2021/11/17 15:19:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.						
ATH	**XI**	**23 23 58 31.1**	**35.19N**	**25.33E**	**6–0**	**1.0L**		
							¶635859783	
ATH	XI	Event type ke. Manual Solution by P.Varotsos First location: 2021/11/23 23:58:49, This location: 2021/11/24 00:01:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.						
THE	**XI**	**23 23 58 36.4**	**35N–3.0**	**27E–2.0**	**3–4**	**2.7,2.7**		
							¶622050500	
ISC	**XI**	**20 04 36 25.4–.96**	**35.61N–.03**	**25.76E–.03**	**30–9**		**59**	**0-3**
THE	XI	20 04 36 25.9	36N–2.0	26E–1.0	29–3	2.7,2.7	**¶622050468**	
ATH	XI	20 04 36 25.7	35.61N	25.76E	24–2	2.8L,2.7		
ISC	XI	Event type ke.						
ATH	XI	Event type ke. Manual Solution by P.Varotsos First location: 2021/11/20 04:37:31, This location: 2021/11/20 05:46:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.						
ISC	**XI**	**23 18 56 03.0–1.1**	**34.98N–.06**	**26.36E–.03**	**10**		**65**	**0-3**
ISK	XI	23 18 56 02.3	34.90N	26.33E	8–0	2.4L	**¶621823358**	
ATH	XI	23 18 56 02.3	34.99N	26.41E	19–1	2.8L		
THE	XI	23 18 56 05.1	35N–5.0	26E–2.0	10–2	2.5,2.5		
ISC	XI	Event type ke.						
ISK	XI	Event type ke.						
ATH	XI	Event type ke. Manual Solution by F.Gkika First location: 2021/11/23 18:56:24, This location: 2021/11/23 19:07:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 0 km.						
ISC	**XI**	**27 05 14 08.6–1.2**	**34.10N–.04**	**26.18E–.03**	**10–7**	**4.5b,3.3s**	**382**	**1-124**
MOS	XI	27 05 14 06.6–1.1	34.02N	26.10E	11	4.6b,3.3s	**¶621480043**	
IDC	XI	27 05 14 07.3–.78	34.20N	26.14E	0	4.4b,4.3		
NEIC	XI	27 05 14 09.3–1.6	34.10N–.08	26.17E–.07	10–1	4.4b,4.3		
MCSM	XI	27 05 14 09.0–2.0	34N–4.0	26E–5.0	16–15	4.4b,4.4		
AFAD	XI	27 05 14 10.3	34.36N	26.28E	6–5	4.4W,4.4		
ATH	XI	27 05 14 11.9	34.30N	26.13E	10–2	3.6L,4.4		
ISK	XI	27 05 14 12.1	34.27N	26.16E	71–1	3.6L,4.4		
THE	XI	27 05 14 14.8	34N–3.0	26E–2.0	8–2	3.5,3.5		
GII	XI	27 05 14 15.3–.00	33.919N–.00	26.838E–.00	0	4.2,3.5		
ISC	XI	Event type ke.						
NEIC	XI	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
AFAD	XI	Event type se. Presumed earthquake.						
ATH	XI	Event type ke. Manual Solution by D.Venizelos First location: 2021/11/27 05:14:37, This location: 2021/11/27 05:20:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.						
ISK	XI	Event type ke.						
GII	XI	Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.						
ISC	**XI**	**26 17 19 44.9–1.7**	**34.21N–.07**	**25.74E–.03**	**23–12**	**3.6b**	**57**	**1-64**
IDC	XI	26 17 19 40.8–3.2	34.19N	25.52E	0	3.9b,3.7	**¶621622020**	
ISK	XI	26 17 19 44.0	34.26N	25.74E	2–0	2.7L,3.7		
ATH	XI	26 17 19 48.4	34.39N	25.65E	8–2	2.8L,3.7		
ISC	XI	Event type ke.						
IDC	XI	Error ellipse: s-maj=65.4km s-min=19.2km az=24.0.						
ISK	XI	Event type ke.						
ATH	XI	Event type ke. Manual Solution by E.Vogiannis First location: 2021/11/26 17:20:55, This location: 2021/11/26 17:44:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.						
ISC	**XI**	**29 04 45 48.4–1.3**	**34.52N–.04**	**25.46E–.02**	**12–8**	**3.5b**	**147**	**1-44**
IDC	XI	29 04 45 47.1–1.2	34.81N	25.21E	0	3.8b,3.7L	**¶621626950**	
ISK	XI	29 04 45 48.6	34.47N	25.20E	75–0	3.0L,3.7L		
THE	XI	29 04 45 52.2	35N–1.0	25.3E–.70	6–1	4.4b,3.4		
ATH	XI	29 04 45 52.3	34.68N	25.30E	15–1	3.2L,3.4		
AFAD	XI	29 04 46 01.0	35.09N	26.17E	15–519	2.9L,3.4		
ISC	XI	Event type ke.						
IDC	XI	Error ellipse: s-maj=22.1km s-min=13.8km az=37.0.						
ISK	XI	Event type ke.						
ATH	XI	Event type ke. Manual Solution by F.Xalaris First location: 2021/11/29 04:46:44, This location: 2021/11/29 04:55:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.						
AFAD	XI	Event type se. Presumed earthquake.						
ISC	**XI**	**28 08 12 57.9–1.3**	**34.92N–.04**	**26.28E–.02**	**7–8**	**3.9b**	**131**	**0-99**
ATH	XI	28 08 12 57.0	34.92N	26.29E	9–1	3.6L	**¶621625165**	
THE	XI	28 08 12 58.4	35N–2.0	26E–1.0	3–1	3.6,3.6		
IDC	XI	28 08 12 58.0–1.0	34.97N	26.16E	0	3.9b,3.8		
ISK	XI	28 08 12 58.2	34.98N	26.31E	11–0	3.5L,3.8		
ISC	XI	Event type ke.						
ATH	XI	Event type ke. Manual Solution by D.Venizelos First location: 2021/11/28 08:13:56, This location: 2021/11/28 08:23:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.						
IDC	XI	Error ellipse: s-maj=17.6km s-min=14.8km az=177.0.						
ISK	XI	Event type ke.						
ISC	**XII**	**01 09 42 56.9–1.1**	**35.20N–.03**	**25.32E–.02**	**7–5**		**53**	**0-1**
THE	XII	01 09 42 56.8	35.2N–.80	25.3E–.40	3–1	2.5,2.5	**¶622050595**	
ATH	XII	01 09 42 56.7	35.20N	25.32E	6–0	2.4L,2.5		
ISC	XII	Event type ke.						
ATH	XII	Event type ke. Manual Solution by S.Kalamatas First location: 2021/12/01 09:43:39, This location: 2021/12/01 09:50:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.						
ISC	**XI**	**30 21 27 34.3–.82**	**35.19N–.03**	**25.32E–.02**	**9–4**		**59**	**0-2**
THE	XI	30 21 27 34.8	35.2N–.60	25.3E–.40	9–2	2.6,2.6	**¶621823800**	
ATH	XI	30 21 27 34.5	35.18N	25.32E	6–0	2.5L,2.6		
ISK	XI	30 21 27 35.2	35.30N	25.37E	23–0	2.6L,2.6		
ISC	XI	Event type ke.						
ATH	XI	Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/30 21:28:26, This location: 2021/11/30 21:30:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.						
ISK	XI	Event type ke.						
ISC	**XII**	**02 19 52 30.1–1.3**	**34.87N–.05**	**23.38E–.04**	**35–2**	**3.9b**	**132**	**0-69**
THE	XII	02 19 52 32.3	35N–2.0	23E–2.0	23–2	3.0,3.0	**¶621629906**	
ATH	XII	02 19 52 32.7	34.98N	23.49E	23–1	3.3L,3.0		
IDC	XII	02 19 52 34.6–3.7	34.78N	23.71E	70–20	3.7,3.6b		
ISC	XII	Event type ke.						
ATH	XII	Event type ke. Manual Solution by F.Gkika First location: 2021/12/02 19:52:52, This location: 2021/12/02 19:59:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.						
IDC	XII	Error ellipse: s-maj=38.7km s-min=26.4km az=55.0.						
ISC	**XII**	**01 17 45 19.9–1.1**	**35.78N–.04**	**23.08E–.05**	**44–7**	**3.9b**	**113**	**0-46**
IDC	XII	01 17 45 12.2–1.5	35.65N	23.28E	0	3.9b,3.6	**¶621629838**	
THE	XII	01 17 45 21.7	36N–2.0	23E–3.0	42–4	3.3,3.3		
ATH	XII	01 17 45 22.3	35.81N	23.19E	30–0	3.2L,3.3		
ISC	XII	Event type ke.						
IDC	XII	Error ellipse: s-maj=67.8km s-min=23.5km az=138.0.						
ATH	XII	Event type ke. Manual Solution by E.Vogiannis First location: 2021/12/01 17:46:29, This location: 2022/05/23 09:31:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.						
ATH	**XII**	**02 02 39 48.6**	**35.45N**	**26.67E**	**15–1**	**2.7L**		
ISK	XII	02 02 39 48.2	35.54N	26.62E	6–0	2.3L	**¶621823920**	
THE	XII	02 02 39 49.1	35N–4.0	27E–3.0	5–3	2.5,2.5		
AFAD	XII	02 02 39 50.7	35.63N	26.93E	12–2	2.0L,2.5		
ATH	XII	Event type ke. Manual Solution by D.Venizelos First location: 2021/12/02 02:40:25, This location: 2021/12/02 02:43:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.						
ISK	XII	Event type ke.						
AFAD	XII	Event type se. Presumed earthquake.						
ATH	**XII**	**03 23 05 41.2**	**35.20N**	**25.32E**	**6–1**	**2.1L**		
ISK	XII	03 23 05 41.1	34.66N	25.54E	9–0	2.1L	**¶621824032**	
ATH	XII	Event type ke. Manual Solution by G.Panopoulou First location: 2021/12/03 23:07:35, This location: 2021/12/03 23:56:32 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.						
ISK	XII	Event type ke.						
ISC	**XII**	**02 21 33 58.9–1.0**	**35.65N–.02**	**26.35E–.02**	**18–5**		**177**	**0-43**
IDC	XII	02 21 33 55.8–1.6	35.58N	26.20E	0	3.6b,3.3	**¶621629911**	
ISK	XII	02 21 33 58.2	35.69N	26.28E	13–0	3.1L,3.3		
ATH	XII	02 21 33 59.2	35.66N	26.33E	16–1	3.3L,3.3		
THE	XII	02 21 34 00.2	36N–2.0	26E–2.0	20–5	3.2,3.2		
AFAD	XII	02 21 34 06.4	35.90N	26.85E	37–2	2.6L,3.2		
ISC	XII	Event type ke.						
IDC	XII	Error ellipse: s-maj=32.9km s-min=22.6km az=167.0.						
ISK	XII	Event type ke.						
ATH	XII	Event type ke. Manual Solution by P.Lantzourakis First location: 2021/12/02 21:34:59, This location: 2021/12/02 21:41:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.						
AFAD	XII	Event type se. Presumed earthquake.						
ATH	**XII**	**06 23 30 02.3**	**35.01N**	**26.70E**	**12–3**	**2.6L**		
ISK	XII	06 23 30 00.0	34.86N	26.72E	13–0	2.5L	**¶621824234**	
THE	XII	06 23 30 02.6	35N–5.0	27E–3.0	0–3	2.5,2.5		
ATH	XII	Event type ke. Manual Solution by F.Xalaris First location: 2021/12/06 23:30:28, This location: 2021/12/06 23:34:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 1 km.						
ISK	XII	Event type ke.						
ISC	**XII**	**06 00 59 51.4–.81**	**35.21N–.02**	**25.32E–.01**	**8–4**		**73**	**0-2**
ISK	XII	06 00 59 50.4	35.09N	25.26E	8–0	2.4L	**¶621824176**	
ATH	XII	06 00 59 51.3	35.20N	25.32E	7–0	2.5L		
THE	XII	06 00 59 51.4	35.2N–.70	25.3E–.40	9–3	2.5,2.5		
ISC	XII	Event type ke.						
ISK	XII	Event type ke.						
ATH	XII	Event type ke. Manual Solution by P.Lantzourakis First location: 2021/12/06 01:00:39, This location: 2021/12/06 01:08:35 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.						
ISC	**XII**	**03 15 46 15.1–.63**	**35.22N–.02**	**25.32E–.01**	**9–4**	**4.1b**	**194**	**0-81**
MCSM	XII	03 15 46 13.9–2.4	35N–18	25E–18	11–4	4.5b,3.9	**¶621630606**	
IDC	XII	03 15 46 14.2–.79	35.26N	25.22E	0	4.0L,4.0b		
ISK	XII	03 15 46 14.3	35.28N	25.29E	1–0	3.4L,4.0b		
ATH	XII	03 15 46 14.9	35.22N	25.31E	8–0	3.7L,4.0b		
THE	XII	03 15 46 15.2	35.2N–.80	25.3E–.60	11–1	3.7,3.7		
AFAD	XII	03 15 46 22.4	35.48N	25.90E	6–2	3.8W,3.7		
ISC	XII	Event type ke.						
IDC	XII	Error ellipse: s-maj=16.8km s-min=9.5km az=8.0.						
ISK	XII	Event type ke.						
ATH	XII	Event type ke. Manual Solution by E.Vogiannis First location: 2021/12/03 15:46:46, This location: 2021/12/03 15:58:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.						

AFAD Event type se. Presumed earthquake.
ISC XII 05 10 47 49.8–.72 35.21N–.02 25.31E–.01 9–4 3.6b 131 0-45
IDC XII 05 10 47 48.9–1.5 35.27N 25.17E 0 4.1L,3.5b ¶621631246
THE XII 05 10 47 49.6 35.2N–.80 25.3E–.50 10–1 3.3,3.3
ATH XII 05 10 47 49.9 35.21N 25.31E 7–0 3.2L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=47.6km s-min=23.2km az=150.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/12/05 10:48:35, This location: 2021/12/05 14:46:11 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XII 07 20 32 22.8–.66 35.18N–.02 25.31E–.01 10–4 3.7b 167 0-77
AFAD XII 07 20 32 17.0 34.97N 25.27E 6–6 3.4L ¶621632697
ISK XII 07 20 32 21.2 35.03N 25.31E 10–0 3.3L
ATH XII 07 20 32 22.5 35.18N 25.30E 9–0 3.7L
IDC XII 07 20 32 22.4–.84 35.19N 25.19E 0 3.8b,3.7
THE XII 07 20 32 22.6 35.2N–.60 25.3E–.40 10–1 3.8,3.8
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/12/07 20:32:30, This location: 2021/12/07 20:47:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
THE XII 08 14 43 51.5 35N–3.0 25E–3.0 0–4 2.0,2.0
¶621824321
ISC XII 09 17 31 23.1–.74 34.96N–.04 23.27E–.04 45–6 4.1b,3.5s 316 0-120
NEIC XII 09 17 31 19.4–2.1 34.92N–.08 23.26E–.09 10–1 4.3b,3.5s ¶621626195
ATH XII 09 17 31 21.6 34.91N 22.96E 30–11 3.8L,3.5s
ISK XII 09 17 31 23.0 35.04N 23.22E 87–0 3.6L,3.5s
THE XII 09 17 31 23.1 35N–4.0 23E–3.0 25–14 3.7,3.7
HLW XII 09 17 31 24.3 34.89N 23.50E 27–4 4.0L,3.7
IDC XII 09 17 31 25.2–2.2 35.05N 23.41E 54–18 4.0,3.8L
GII XII 09 17 31 30.0–.00 34.682N–.00 24.005E–.00 0 4.0,3.8L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/09 17:32:36, This location: 2021/12/09 17:39:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XII 11 21 33 41.0–2.1 34.12N–.06 25.62E–.06 9–14 3.8b 39 1-60
IDC XII 11 21 33 40.3–1.0 34.20N 25.46E 0 3.7b,3.6 ¶621627533
ATH XII 11 21 33 43.3 34.20N 25.65E 13–6 3.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=11.7km az=19.0.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/12/11 21:34:56, This location: 2021/12/11 21:38:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISC XII 09 22 47 31.5–.74 35.05N–.07 23.07E–.05 38 3.9b 130 0-77
IDC XII 09 22 47 27.1–1.1 35.11N 23.13E 0 3.8b,3.8 ¶621636598
ATH XII 09 22 47 32.8 34.95N 23.12E 24–4 3.4L,3.8
ISK XII 09 22 47 33.4 35.13N 23.28E 74–1 3.0L,3.8
THE XII 09 22 47 33.2 35N–3.0 23E–3.0 22–7 3.2,3.2
BEO XII 09 22 47 34.0–.70 35.19N 22.95E 25 4.0L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=13.3km az=27.0.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/09 22:48:42, This location: 2021/12/09 23:01:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 3 km.
ISK Event type ke.
BEO Event type ke.
ISC XII 11 13 19 09.4–1.1 35.01N–.06 26.43E–.03 19–3 3.5b 97 0-44
ATH XII 11 13 19 07.2 34.92N 26.50E 16–1 3.6L ¶621644191
ISK XII 11 13 19 09.9 35.09N 26.42E 14–0 3.3L
THE XII 11 13 19 09.6 35N–5.0 26E–2.0 16–4 3.5,3.5
AFAD XII 11 13 19 10.0 35.10N 26.78E 15–17 3.0L,3.5
IDC XII 11 13 19 12.8–3.9 34.47N 26.91E 55–37 3.5,3.4b
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/11 13:20:07, This location: 2021/12/11 13:24:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=36.2km s-min=21.1km az=137.0.
ATH XII 17 10 48 24.5 35.14N 25.22E 9–1 1.1L
¶626172123
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/17 10:48:35, This location: 2021/12/17 10:56:07 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XII 15 03 43 27.9–.73 34.31N–.03 26.50E–.02 12–4 4.3b,3.5s 694 1-124
IDC XII 15 03 43 26.3–.56 34.43N 26.44E 0 4.3b,4.2 ¶621630204
MOS XII 15 03 43 26.0–1.4 34.23N 26.40E 12 4.6b,4.2
NEIC XII 15 03 43 28.1–1.5 34.27N–.06 26.49E–.07 10–1 4.3b,4.2
MCSM XII 15 03 43 28.8–1.6 34N–4.0 26E–3.0 17–12 4.3b,4.3
GFZ XII 15 03 43 28.7–.25 34N–3.0 26E–2.0 10 4.9b,4.4L
ISK XII 15 03 43 29.5 34.44N 26.56E 12–0 4.1L,4.4L
GII XII 15 03 43 32.9–.00 34.101N–.00 27.091E–.00 0–0 3.8,4.4L
THE XII 15 03 43 32.7 35N–3.0 26E–2.0 5–2 4.0,4.0
ATH XII 15 03 43 32.0 34.53N 26.36E 16–2 4.1L,4.0
PDG XII 15 03 43 34.6–.96 34.46N 26.50E 10–17 4.2L,4.0
NAO XII 15 03 43 40.6 35.08N 24.47E 33 4.0b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=8.6km az=16.0.
MOS Error ellipse: s-maj=5.8km s-min=3.2km az=96.7.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.9km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/12/15 03:43:59, This location: 2021/12/15 03:49:16 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
PDG Event type ke. Error ellipse: s-maj=3.2km s-min=1.3km az=90.0.
NAO Event type se. Presumed earthquake.
ISC XII 19 07 23 42.6–.45 34.47N–.04 26.69E–.03 21–3 4.2b,3.2s 273 1-81
IDC XII 19 07 23 39.9–.72 34.62N 26.48E 0 4.1b,4.1 ¶621633618
MOS XII 19 07 23 39.1–1.5 34.40N 26.52E 10 4.4b,4.1
ISK XII 19 07 23 41.9 34.60N 26.72E 5–0 3.6L,4.1
ATH XII 19 07 23 44.3 34.62N 26.59E 8–1 3.7L,4.1
NEIC XII 19 07 23 45.1–1.1 34.56N–.05 26.63E–.06 39–6 4.1b,4.1
AFAD XII 19 07 23 45.1 34.86N 26.81E 6–2 3.5L,4.1
GII XII 19 07 23 46.2–.00 34.350N–.01 26.900E–.00 0 3.7,4.1
THE XII 19 07 23 49.3 35N–6.0 26E–6.0 5–3 3.4,3.4
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/19 07:24:48, This location: 2021/12/19 07:37:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XII 23 04 26 29.4–.73 34.86N–.03 24.27E–.03 17–5 3.6b 126 0-60
ATH XII 23 04 26 28.6 34.82N 24.18E 23–1 3.5L ¶621686805
ISK XII 23 04 26 28.8 34.85N 24.33E 6–0 3.1L
THE XII 23 04 26 30.2 35N–2.0 24E–1.0 0–3 3.3,3.3
IDC XII 23 04 26 32.9–2.8 34.95N 24.51E 48–28 3.5,3.3b
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/12/23 04:27:27, This location: 2021/12/23 04:34:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.
IDC Error ellipse: s-maj=43.3km s-min=22.1km az=17.0.
ISC XII 19 17 25 51.6–2.2 34.43N–.10 26.20E–.04 15–12 33 1-4
ISK XII 19 17 25 51.3 34.41N 26.31E 18–0 2.4L ¶621824912
ATH XII 19 17 25 52.0 34.42N 26.12E 13–14 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/12/19 17:27:32, This location: 2021/12/19 17:35:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 6 km; Longitude uncertainty: 5 km.
ISC XII 22 11 21 19.1–.68 34.80N–.05 24.06E–.03 25–4 3.9b 239 0-81
IDC XII 22 11 21 16.0–1.2 34.89N 23.99E 0 4.2L,4.0b ¶621640259
ISK XII 22 11 21 20.3 34.85N 24.19E 12–0 3.5L,4.0b
THE XII 22 11 21 21.2 35N–1.0 24.1E–.70 12–1 3.5,3.5
ATH XII 22 11 21 21.4 34.89N 24.10E 11–1 3.6L,3.5
NAO XII 22 11 21 22.0 35.08N 24.47E 33 3.9b,3.5
PDG XII 22 11 21 23.3–.79 34.81N 24.04E 13–3 4.1L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=11.2km az=25.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/12/22 11:22:15, This location: 2021/12/22 11:34:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
NAO Event type se. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=4.5km s-min=2.3km az=90.0.
ISC XII 20 06 49 26.9–.67 35.17N–.02 25.29E–.01 10–3 3.8b 218 0-80
GII XII 20 06 49 25.2–.00 35.18N 25.29E 0 3.7 ¶621685591
ISK XII 20 06 49 26.3 35.23N 25.29E 8–0 3.6L
ATH XII 20 06 49 27.1 35.18N 25.30E 6–0 3.6L
THE XII 20 06 49 27.1 35.2N–.70 25.3E–.50 10–1 3.6,3.6
AFAD XII 20 06 49 30.8 34.78N 26.22E 6–6 2.8L,3.6
IDC XII 20 06 49 31.8–3.0 35.15N 25.21E 48–27 3.8,3.6b
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/12/20 06:50:16, This location: 2021/12/20 07:28:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
AFAD Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=37.2km s-min=18.8km az=12.0.
ISC XII 24 01 35 19.4–.88 35.06N–.03 25.14E–.02 9–6 66 0-4
ATH XII 24 01 35 18.1 35.00N 25.11E 8–1 2.7L ¶621825208
ISK XII 24 01 35 19.3 35.12N 25.15E 5–0 2.6L
THE XII 24 01 35 19.2 35.0N–.90 25.2E–.50 8–2 2.6,2.6
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/24 01:36:06, This location: 2021/12/24 03:26:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
ISC XII 24 22 14 10.7–.65 35.11N–.02 25.20E–.01 15–3 4.0b 310 0-78
IDC XII 24 22 14 08.4–1.1 34.99N 25.12E 0 3.8b,3.7 ¶621700060
ATH XII 24 22 14 10.5 35.10N 25.21E 13–0 3.7L,3.7
THE XII 24 22 14 10.8 35N–1.0 25.2E–.70 12–1 3.7,3.7
ISK XII 24 22 14 10.4 35.13N 25.19E 6–0 3.6L,3.7
MCSM XII 24 22 14 11.7–.70 35N–5.0 25E–4.0 9–4 6.8b,6.7
AFAD XII 24 22 14 19.0 35.49N 25.41E 36–518 3.9W,6.7
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=10.0km az=20.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/24 22:14:38, This location: 2021/12/24 22:20:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 26 15 15 11.0–.51 35.07N–.03 26.87E–.02 9–3 5.0b,4.5s 1377 1-126
BJI XII 26 15 15 07.9 34.98N 26.41E 22 5.5b,5.0s ¶621653666
MOS XII 26 15 15 08.7–1.1 35.03N 26.88E 6 5.1b,4.4s
ISK XII 26 15 15 09.8 35.11N 26.92E 5–0 5.0L,4.4s
IDC XII 26 15 15 10.0–.40 35.21N 26.83E 0 4.7b,4.6
ATH XII 26 15 15 09.3 35.04N 26.97E 9–1 5.2L,4.6
MCSM XII 26 15 15 10.3–.40 35N–3.0 27E–2.0 14–2 5.1b,4.9b
MED_R XII 26 15 15 10.0 35.01N 26.93E 18 5.2W,4.9b
GII XII 26 15 15 10.7–.00 34.803N–.01 26.737E–.00 0 4.6,4.9b
NEIC XII 26 15 15 11.7–1.5 35.15N–.07 26.89E–.03 10–1 5.1b,4.9b
GCMT XII 26 15 15 11.7–.20 35.03N–.01 26.80E–.01 22–1 5.2W,4.9b
NEIC XII 26 15 15 11.5 35.12N 26.89E 10 5.2W,4.9b
GFZ XII 26 15 15 12.0 35.03N 26.92E 12 5.0W,4.9b
PDG XII 26 15 15 11.9–.65 34.91N 27.03E 10–11 4.9L,4.9b
AFAD XII 26 15 15 12.0 34.87N 26.76E 36–287 4.9W,4.9b
GFZ XII 26 15 15 12.0–.13 35N–2.0 27E–1.0 10 5.4b,5.2
NEIC XII 26 15 15 12 34.92N 26.65E 18 5.1,5.2
NAO XII 26 15 15 12.7 34.95N 24.51E 10 4.2b,5.2
THE XII 26 15 15 13.2 35N–4.0 27E–2.0 0–1 4.9,4.9
BEO XII 26 15 15 16.9–.80 35.14N 26.36E 10 4.3L,4.9
ISC Event type ke.
MOS Error ellipse: s-maj=5.0km s-min=2.6km az=91.4.
ISK Event type ke.
IDC Error ellipse: s-maj=9.9km s-min=7.4km az=26.0.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/12/26 15:15:43, This location: 2021/12/26 22:34:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}0.92±.28 $M_{\theta\theta}$1.19±.21; $M_{\phi\phi}$0.00±.15; $M_{r\theta}$-3.78±.51; $M_{\theta\phi}$6.68±.23; $M_{\phi r}$-2.64±.43; NP1: ϕ_s183.00000°,δ68.00000°,λ160.00000°. NP2:ϕ_p281.00000°,δ71.00000°,λ23.00000°. Principal axes: T 9.0300,Plg30.0000°,Azm142.0000°; N -1.6800,Plg60.0000°,Azm318.0000° ; P -7.3600,Plg2.0000°,Azm51.0000° M_o8.19000×10^{16}
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=4.2km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112261515A. Moment Tensor Solution. s45,c60; s106,c169; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.23 $M_{\theta\theta}$-0.05±.21; $M_{\phi\phi}$0.20±.20; $M_{r\theta}$-0.21±.31; $M_{\theta\phi}$6.91±.17; $M_{\phi r}$-0.57±.32; Best double couple: NP1:ϕ_s270.00000°,δ85.00000° ,λ2.00000°. NP2:ϕ_s179.00000°,δ88.00000°,λ175.00000°. Principal axes: T 7.0300,Plg4.0000°,Azm134.0000°; N -0.1870,Plg85.0000°,Azm341.0000° ; P -6.8440,Plg2.0000°,Azm225.0000° M_o6.93700×10^{16}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.65 $M_{\theta\theta}$0.88 $M_{\phi\phi}$-0.23 $M_{r\theta}$0.04 $M_{\theta\phi}$3.71 $M_{\phi r}$-0.20 NP1: ϕ_s274.19700°,δ86.51781°,λ-1.73435°. NP2:ϕ_s4.30238°,δ88.26885°,λ-176.51622°. Principal axes: T 4.0815,Plg1.2369°,Azm139.2099°; N -0.6454,Plg86.1103°,Azm30.6944° ; P -3.4361,Plg3.6872°,Azm229.2896° M_o3.80015×10^{16}
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
AFAD Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.48 $M_{\theta\theta}$1.40 $M_{\phi\phi}$-0.92 $M_{r\theta}$2.66 $M_{\theta\phi}$4.74 $M_{\phi r}$-2.56 NP1:ϕ_s11.69000°,δ63.93000° ,λ-162.36000°. NP2:ϕ_s273.74000°,δ74.21000°,λ-27.17000°. Principal axes: T 5.1831,Plg7.0000°,Azm324.0000°; N 1.5885,Plg59.0000°,Azm66.0000° ; P -6.7716,Plg30.0000°,Azm230.0000° M_o6.13000×10^{16}
NAO Event type se. Presumed earthquake.
BEO Event type ke.

ISC XII 26 20 03 59.3–1.2 35.06N–.05 26.86E–.03 11–8 3.5b 104 1-58
IDC XII 26 20 03 57.4–1.6 35.13N 26.70E 0 3.5b,3.4 **¶621700245**
ATH XII 26 20 03 59.1 35.09N 26.89E 6–2 3.3L,3.4
ISK XII 26 20 04 00.2 35.22N 26.83E 5–0 3.2L,3.4
THE XII 26 20 04 01.3 35N–5.0 27E–2.0 0–2 3.0,3.0
AFAD XII 26 20 04 02.0 35.05N 26.71E 35–745 3.0L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=30.8km s-min=15.7km az=34.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/26 20:05:20, This location: 2021/12/26 20:11:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 26 20 30 45.6–1.4 35.07N–.06 26.88E–.03 3–9 3.6b 113 1-58
ISK XII 26 20 30 45.5 35.17N 26.86E 5–0 3.4L **¶621700247**
IDC XII 26 20 30 45.0–2.4 34.90N 27.23E 0 3.6b,3.4
ATH XII 26 20 30 46.2 35.09N 26.85E 6–1 3.3L,3.4
AFAD XII 26 20 30 47.0 34.85N 26.99E 36–969 3.1L,3.4
THE XII 26 20 30 48.5 35N–5.0 27E–3.0 0–4 3.0,3.0
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/26 20:31:56, This location: 2021/12/26 20:36:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC XII 26 20 36 10.3–1.4 35.12N–.05 26.99E–.03 4–9 3.6b 93 0-58
IDC XII 26 20 36 07.6–5.0 35.44N 26.28E 0 3.6b,3.5 **¶621700249**
ISK XII 26 20 36 09.6 35.12N 27.03E 5–0 3.2L,3.5
ATH XII 26 20 36 10.1 35.11N 26.99E 5–1 3.1L,3.5
THE XII 26 20 36 13.0 35N–10 27E–12 1–7 2.8,2.8
AFAD XII 26 20 36 15.0 35.11N 27.13E 37–154 2.9L,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=336.8km s-min=79.5km az=141.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/26 20:37:27, This location: 2021/12/26 20:48:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ISC XII 26 21 15 43.2–1.3 35.08N–.05 26.99E–.03 5–9 3.4b 91 0-78
ISK XII 26 21 15 42.9 35.11N 26.97E 2–0 3.3L **¶621700258**
IDC XII 26 21 15 42.1–1.8 35.01N 26.82E 0 3.4b,3.2
THE XII 26 21 15 43.6 35N–9.0 27E–11 0–9 3.0,3.0
ATH XII 26 21 15 45.6–.44 35.25N 26.87E 5 3.1L,3.0
AFAD XII 26 21 15 46.1 35.27N 27.04E 11–1 2.8L,3.0
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=17.2km az=15.0.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/12/26 21:16:58, This location: 2021/12/26 21:51:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.
ISC XII 26 18 59 03.1–.37 35.11N–.02 26.92E–.02 9–2 5.6b,5.4s 2039 0-157
GII XII 26 18 58 58.7–.00 34.770N–.00 26.811E–.00 0 5.2,5.4s **¶621653678**
BJI XII 26 18 59 00.4 34.91N 26.86E 14 5.7b,5.6s
IDC XII 26 18 59 01.0–.34 35.19N 26.85E 0 5.2s,5.1b
ISK XII 26 18 59 01.2 35.07N 26.97E 5–0 5.6L,5.1b
ATH XII 26 18 59 02.1 35.20N 26.85E 6–1 5.5L,5.1b
NEIC XII 26 18 59 02.6 35.17N 26.93E 10 5.5L,5.1b
NEIC XII 26 18 59 02.7 35.19N 26.93E 10 5.5L,5.1b
NEIC XII 26 18 59 02.7–2.2 35.19N–.06 26.97E–.05 10–1 5.7b,5.6
MCSM XII 26 18 59 02.8–.30 35N–2.0 27E–2.0 10–2 5.7b,5.6
MOS XII 26 18 59 02.4–1.3 35.07N 27.00E 20 5.8b,5.2s
THE XII 26 18 59 03.9 35N–3.0 27E–2.0 0–1 5.2,5.2
MED_R XII 26 18 59 03.0 35.03N 26.94E 18 5.7W,5.2
PDG XII 26 18 59 03.1–.64 34.93N 27.07E 13–11 5.6L,5.2
PTWC XII 26 18 59 04 34.90N 26.90E 5.6,5.2
GFZ XII 26 18 59 04.0–.10 35N–1.0 27E–1.0 10 6.0,5.8b
GCMT XII 26 18 59 04.0–.10 35.06N–.01 26.87E–.01 18–0 5.6W,5.8b
GFZ XII 26 18 59 04.1 35.19N 26.89E 13 5.5W,5.8b
BEO XII 26 18 59 06.0–.70 34.96N 26.60E 10 4.7L,5.8b
AFAD XII 26 18 59 08.0 35.15N 26.94E 36–168 5.5W,5.8b
NEIC XII 26 18 59 09.2 35.19N 26.81E 22 5.6,5.8b
NAO XII 26 18 59 09.3 35.08N 24.47E 33 4.7b,5.8b
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=8.7km s-min=7.6km az=53.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/12/26 19:00:07, This location: 2021/12/26 22:20:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.2km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.50 $M_{\theta\theta}$0.89 $M_{\phi\phi}$-0.40 $M_{r\theta}$0.02 $M_{\theta\phi}$3.22 $M_{\phi r}$0.10 NP1:ϕ_s95.64000°,δ88.25000°,λ-0.19000°. NP2:ϕ_s185.65000°,δ89.81000°,λ-178.25000°. Principal axes: T 3.5330,Plg1.0000°,Azm321.0000°; N -0.4951,Plg88.0000°,Azm192.0000°; P -3.0379,Plg1.0000°,Azm51.0000° M_o3.31000×10^{17}
MOS Error ellipse: s-maj=4.4km s-min=2.4km az=85.5.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17} Nm; M_{rr}0.81±.09 $M_{\theta\theta}$0.64±.07; $M_{\phi\phi}$0.00±.05; $M_{r\theta}$-1.64±.17; $M_{\theta\phi}$3.70±.07; $M_{\phi r}$-0.94±.15; NP1: ϕ_s184.00000°,δ69.00000°,λ162.00000°. NP2:ϕ_s281.00000°,δ73.00000°,λ22.00000°. Principal axes: T 4.4200,Plg27.0000°,Azm144.0000°; N -0.1600,Plg62.0000°,Azm316.0000°; P -4.2600,Plg3.0000°,Azm52.0000° M_o4.34000×10^{17}
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.1km az=0.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112261859A. Moment Tensor Solution. s119,c213; s146,c305;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.30±.04 $M_{\theta\theta}$0.03±.04; $M_{\phi\phi}$-0.33±.04; $M_{r\theta}$-0.22±.09; $M_{\theta\phi}$3.18±.03; $M_{\phi r}$0.33±.08; Best double couple: NP1:ϕ_s91.00000°,δ85.00000°,λ-3.00000°. NP2:ϕ_s182.00000°,δ87.00000°,λ-175.00000°. Principal axes: T 3.0340,Plg1.0000°,Azm317.0000°; N 0.3450,Plg84.0000°,Azm214.0000°; P -3.3790,Plg6.0000°,Azm47.0000° M_o3.20700×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.18 $M_{\theta\theta}$0.29 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.55 $M_{\theta\phi}$2.19 $M_{\phi r}$-0.15 NP1: ϕ_s274.90910°,δ89.18461°,λ-14.07378°. NP2:ϕ_s5.11351°,δ75.92768°,λ-179.15938°. Principal axes: T 2.1849,Plg9.3153°,Azm320.8781°; N 0.2123,Plg75.9031°,Azm91.6602°; P -2.3972,Plg10.4859°,Azm229.1383° M_o2.29840×10^{17}
BEO Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.74 $M_{\theta\phi}$2.96 $M_{\phi r}$-1.40 NP1:ϕ_s270.76000°,δ67.99000°,λ-8.61000°. NP2:ϕ_s4.01000°,δ82.02000°,λ-157.76000°. Principal axes: T 2.9186,Plg10.0000°,Azm136.0000°; N 0.7837,Plg66.0000°,Azm23.0000°; P -3.7023,Plg21.0000°,Azm229.0000° M_o3.38000×10^{17}
NAO Event type se. Presumed earthquake.
ISC XII 26 16 00 18.0–1.3 35.16N–.06 26.94E–.03 8–9 85 0-3
ISK XII 26 16 00 17.7 35.16N 26.97E 3–0 3.2L **¶621825351**
ATH XII 26 16 00 17.3 35.11N 26.96E 5–1 3.0L
THE XII 26 16 00 18.3 35N–5.0 27E–3.0 0–4 2.9,2.9
AFAD XII 26 16 00 20.0 35.02N 26.89E 33–999 2.9L,2.9
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/26 16:01:27, This location: 2021/12/26 16:14:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
AFAD Event type se. Presumed earthquake.
ATH XII 26 21 19 10.9 35.04N 26.99E 5–1 2.4L
¶636235743
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/27 10:21:27, This location: 2021/12/27 11:39:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISC XII 26 21 31 45.2–1.4 35.08N–.04 27.00E–.03 0–10 3.6b 105 0-58
IDC XII 26 21 31 44.2–1.6 34.64N 26.88E 0 3.5b,3.4 **¶621700260**
THE XII 26 21 31 45.8 35N–8.0 27E–11 0–9 3.1,3.1
ISK XII 26 21 31 45.8 35.12N 27.00E 5–0 3.3L,3.1
AFAD XII 26 21 31 47.7 35.21N 26.83E 15–2 2.9L,3.1
ATH XII 26 21 31 48.6–.44 35.23N 26.81E 5 3.2L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=17.3km az=24.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/12/26 21:32:25, This location: 2021/12/26 23:08:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 2 km.
ISC XII 26 22 02 20.7–.66 35.08N–.03 26.99E–.02 9–4 4.4b,3.6s 443 0-98
IDC XII 26 22 02 19.0–.76 35.19N 26.85E 0 4.1b,4.0 **¶621653687**
ISK XII 26 22 02 19.3 35.07N 27.01E 5–0 4.4L,4.0
ATH XII 26 22 02 20.3 35.12N 26.97E 8–1 3.8L,4.0
GFZ XII 26 22 02 20.9–.21 35N–2.0 27E–2.0 10 5.0b,4.5L
GII XII 26 22 02 20.3–.00 34.841N–.00 26.879E–.00 0 4.0,4.5L
NEIC XII 26 22 02 21.2–1.9 35.10N–.04 26.99E–.05 10–1 4.4b,4.5L
THE XII 26 22 02 22.9 35N–6.0 27E–7.0 0–21 4.1,4.1
MCSM XII 26 22 02 22.0–.50 35N–4.0 27E–4.0 11–2 4.6b,4.4b
AFAD XII 26 22 02 26.0 35.13N 27.16E 34–114 4.1L,4.4b
NAO XII 26 22 03 34.3 39.84N 24.64E 33 3.2b,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=10.4km az=27.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/26 22:03:29, This location: 2021/12/26 22:10:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.2km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
NAO Event type se. Presumed earthquake.
ISC XII 26 19 01 24.6–1.1 35.09N–.05 26.86E–.03 16–7 5.3s,4.7b 109 1-96
IDC XII 26 19 01 22.6–.76 35.08N 26.74E 0 5.3s,4.6b **¶621700241**
THE XII 26 19 01 24.6 35N–6.0 27E–5.0 0–5 4.2,4.2
NEIC XII 26 19 01 24.2–1.7 35.06N–.03 26.92E–.07 10–1 4.7b,4.2
ATH XII 26 19 01 25.6 35.11N 26.85E 6–1 4.2L,4.2
ISK XII 26 19 01 26.2 35.34N 26.75E 6–0 3.7L,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=18.9km az=66.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=2.9km az=293.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/26 19:36:57, This location: 2021/12/26 19:35:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC XII 26 22 15 48.3–1.1 35.06N–.03 26.99E–.02 10–8 4.1s,3.8b 176 1-78
IDC XII 26 22 15 47.6–1.1 35.11N 26.86E 0 4.1s,3.8b **¶621654212**
ISK XII 26 22 15 49.5 35.14N 27.02E 3–0 3.7L,3.8b
ATH XII 26 22 15 50.5 35.24N 26.89E 9–1 3.6L,3.8b
THE XII 26 22 15 50.7 35N–5.0 27E–3.0 0–3 3.4,3.4
GII XII 26 22 15 50.7–.00 34.842N–.00 27.173E–.00 0–0 3.6,3.4
AFAD XII 26 22 15 53.0 35.00N 27.10E 34–161 4.1W,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=11.6km az=38.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/26 22:17:00, This location: 2022/06/03 12:47:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC XII 27 03 15 35.0–2.1 35.0N–.10 26.98E–.06 8–13 29 1-3
ISK XII 27 03 15 33.9 35.02N 26.99E 2–0 2.4L **¶621816373**
ATH XII 27 03 15 33.4 34.92N 27.06E 6–2 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/27 12:43:57, This location: 2021/12/27 12:43:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 1 km.
ISC XII 26 19 43 37.3–1.3 35.16N–.05 26.82E–.03 6–8 3.7b 104 0-58
ISK XII 26 19 43 36.4 35.19N 26.84E 2–0 3.3L **¶621700244**
AFAD XII 26 19 43 36.0 35.05N 26.83E 29–178 3.2L
THE XII 26 19 43 37.6 35N–7.0 27E–5.0 0–3 3.1,3.1
ATH XII 26 19 43 37.8 35.21N 26.79E 6–1 3.3L,3.1
IDC XII 26 19 43 54.7–2.3 40.29N 25.99E 0 3.7,3.7s
ISC Event type se.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/26 19:44:03, This location: 2021/12/26 19:55:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=79.9km s-min=24.1km az=180.0.
ISC XII 26 22 46 50.6–1.1 35.09N–.04 26.97E–.02 11–7 3.9b,3.5s 259 0-78
IDC XII 26 22 46 48.5–.95 35.10N 26.84E 0 4.0b,3.9 **¶621654213**
ISK XII 26 22 46 49.6 35.13N 26.98E 5–0 3.9L,3.9
ATH XII 26 22 46 50.6 35.16N 26.92E 6–1 3.9L,3.9
GFZ XII 26 22 46 51.3–.21 35N–3.0 27E–2.0 10 5.3,5.1
THE XII 26 22 46 52.7 35N–5.0 27E–4.0 0–3 3.6,3.6
AFAD XII 26 22 46 54.0 35.04N 26.99E 37–318 4.0W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=9.6km az=28.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/12/26 22:47:59, This location: 2021/12/26 23:27:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 2 km.
GFZ Error ellipse: s-maj=6.3km s-min=3.8km az=23.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC XII 26 23 17 14.0–1.3 35.12N–.06 26.95E–.03 8–8 3.4b 96 0-61
IDC XII 26 23 17 09.2–2.9 34.56N 26.73E 0 3.7L,3.4b **¶621700268**
ATH XII 26 23 17 12.4 35.03N 27.08E 10–3 3.0L,3.4b
ISK XII 26 23 17 13.4 35.11N 27.03E 3–0 3.1L,3.4b
THE XII 26 23 17 16.2 35N–4.0 27E–2.0 0–2 2.8,2.8
AFAD XII 26 23 17 18.0 35.16N 26.93E 35–566 3.0L,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=76.5km s-min=31.3km az=175.0.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/26 23:18:30, This location: 2021/12/27 05:45:28 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 5 km; Longitude uncertainty: 3 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 28 21 29 18.1–1.0 35.14N–.04 26.91E–.02 18–3 3.7b 147 0-64
IDC XII 28 21 29 16.5–1.1 35.28N 26.71E 0 3.7b,3.6 **¶621717418**
ATH XII 28 21 29 16.1 34.98N 26.98E 6–2 3.4L,3.6
ISK XII 28 21 29 16.6 35.13N 26.91E 5–0 3.4L,3.6
AFAD XII 28 21 29 18.7 35.34N 26.86E 15–1 2.9L,3.6
THE XII 28 21 29 19.1 35N–7.0 27E–5.0 0–3 3.2,3.2

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/28 21:29:51, This location: 2021/12/28 21:46:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH XII 27 00 01 44.9 35.08N 26.84E 17–2 1.9L ¶626172748
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/27 14:32:13, This location: 2021/12/27 14:31:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 1 km.
ISC XII 27 04 22 48.1–1.5 35.12N–.07 26.96E–.04 7–11 47 0-3
ISK XII 27 04 22 46.6 35.09N 26.99E 5–0 2.4L **¶621816380**
ATH XII 27 04 22 47.1 35.06N 27.04E 6–1 2.6L
THE XII 27 04 22 49.1 35N–23 27E–56 0–25 2.5,2.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/27 04:24:25, This location: 2021/12/27 06:49:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISC XII 27 14 19 08.0–1.5 35.22N–.08 26.84E–.04 10–11 59 0-3
ATH XII 27 14 19 02.2 35.08N 27.20E 5–1 2.9L **¶621816400**
ISK XII 27 14 19 06.0 35.09N 26.90E 5–0 2.5L
THE XII 27 14 19 07.0 35N–7.0 27E–5.0 10–8 2.4,2.4
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/12/27 14:20:31, This location: 2021/12/27 14:56:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC XII 27 14 30 34.0–1.3 35.03N–.05 26.88E–.03 6–9 3.8b 128 1-44
AFAD XII 27 14 30 27.7 34.83N 26.56E 5–3 3.2L **¶621717320**
IDC XII 27 14 30 30.3–3.6 34.94N 26.37E 0 3.7b,3.5
ATH XII 27 14 30 34.8 35.13N 26.88E 6–1 3.3L,3.5
ISK XII 27 14 30 34.9 35.22N 26.83E 5–0 3.2L,3.5
THE XII 27 14 30 34.8 35N–3.0 27E–2.0 6–2 3.2,3.2
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/27 14:31:02, This location: 2021/12/27 14:38:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC XII 27 14 57 52.1–.66 35.12N–.02 25.19E–.01 13–4 4.1b 283 0-80
THE XII 27 14 57 51.9 35.1N–.70 25.2E–.40 11–0 3.8,3.8 **¶621654223**
ISK XII 27 14 57 51.4 35.16N 25.21E 13–0 3.9L,3.8
ATH XII 27 14 57 51.8 35.11N 25.20E 13–0 3.9L,3.8
IDC XII 27 14 57 51.5–1.1 35.40N 25.12E 0 4.0b,3.9
NEIC XII 27 14 57 52.6–1.6 35.08N–.05 25.15E–.06 10–1 4.2b,3.9
AFAD XII 27 14 58 01.0 35.42N 25.49E 35–547 3.8W,3.9
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/12/27 14:58:46, This location: 2021/12/27 15:13:08 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
IDC Error ellipse: s-maj=24.7km s-min=11.0km az=16.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.1km az=229.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AFAD Event type se. Presumed earthquake.
ISC XII 27 23 15 33.2–1.2 35.04N–.04 26.90E–.02 6–8 3.5b 158 1-78
IDC XII 27 23 15 32.8–1.2 35.07N 26.72E 0 3.6b,3.5 **¶621717347**
ISK XII 27 23 15 32.9 35.08N 26.88E 5–0 3.5L,3.5
AFAD XII 27 23 15 33.0 35.20N 26.93E 5–19 3.7W,3.5
THE XII 27 23 15 33.9 35N–3.0 27E–2.0 1–2 3.3,3.3
ATH XII 27 23 15 34.3 35.18N 26.82E 14–0 3.4L,3.3
GII XII 27 23 15 37.6–.00 34.620N–.00 26.951E–.00 0 3.5,3.3
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/12/27 23:16:41, This location: 2021/12/27 23:21:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XII 28 16 11 24.6–1.3 35.01N–.06 26.78E–.03 12–8 3.4b 95 0-44
IDC XII 28 16 11 21.4–5.6 35.55N 25.90E 0 3.5b,3.4 **¶621717401**
ATH XII 28 16 11 22.7 34.94N 26.86E 9–2 2.8L,3.4
ISK XII 28 16 11 23.7 35.06N 26.82E 5–0 3.0L,3.4
THE XII 28 16 11 24.4 35N–8.0 27E–7.0 0–7 2.7,2.7
AFAD XII 28 16 11 29.0 35.31N 27.08E 23–2 2.4L,2.7
ISC Event type ke.
IDC Error ellipse: s-maj=183.9km s-min=28.2km az=169.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/12/28 16:12:37, This location: 2021/12/28 16:21:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 29 15 35 45.3–1.2 34.71N–.08 25.62E–.03 43–9 3.7b 74 0-64
ATH XII 29 15 35 41.3 34.45N 25.61E 16–3 3.4L **¶621724228**
THE XII 29 15 35 44.2 35N–4.0 26E–2.0 0–3 3.2,3.2
ISK XII 29 15 35 45.9 34.90N 25.65E 78–0 3.1L,3.2
IDC XII 29 15 35 56.5–9.4 35.35N 25.56E 131–61 3.7,3.4b
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/29 15:36:59, This location: 2021/12/29 15:44:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
IDC Error ellipse: s-maj=92.6km s-min=35.9km az=18.0.
ISC XII 29 05 08 09.3–.29 34.89N–.03 25.23E–.02 65–2 5.7b 2734 0-152
AFAD XII 29 05 07 57.0 34.12N 24.62E 15–999 5.5W **¶621656494**
BGR XII 29 05 08 02.3–.71 34.90N 26.04E 10 5.4b
PTWC XII 29 05 08 04 34.50N 25.10E 30 5.8
BEO XII 29 05 08 05.6–.50 34.35N 24.38E 50 5.5L
BJI XII 29 05 08 05.0 34.68N 24.77E 68 5.9b,5.8b
NAO XII 29 05 08 05.4 34.85N 25.09E 33 5.5b,5.8b
ISK XII 29 05 08 07.9 34.75N 25.14E 87–0 5.7L,5.8b
MOS XII 29 05 08 08.1–.95 34.84N 25.11E 71 6.1b,5.8b
GFZ XII 29 05 08 08.6 34.81N 25.17E 54 5.5W,5.8b
ISC-P XII 29 05 08 09 34.83N 25.14E 67–0 6.2,5.8b
GFZ XII 29 05 08 09.5–.09 35N–1.0 25E–1.0 58 6.0b,5.8L
ATH XII 29 05 08 09.8 34.79N 25.13E 67–1 5.7L,5.8L
MED_R XII 29 05 08 09.0 34.85N 25.09E 49 5.7W,5.8L
GCMT XII 29 05 08 09.9–.10 34.65N–.01 25.23E–.01 54–0 5.7W,5.8L
MCSM XII 29 05 08 09.5–.40 35N–2.0 25E–2.0 67–3 6.0,5.9b
NEIC XII 29 05 08 09.9–1.6 34.83N–.06 25.14E–.05 65–3 5.7b,5.7
IDC XII 29 05 08 09.4–.80 34.94N 25.18E 63–6 5.6,5.4b
THE XII 29 05 08 09.5 35N–3.0 25E–1.0 74–2 5.7,5.7
NEIC XII 29 05 08 10 34.84N 25.15E 66 5.7,5.7
NEIC XII 29 05 08 10 34.84N 25.15E 66 5.7,5.7
GII XII 29 05 08 10.6–.00 34.51N–.04 25.74E–.01 0 5.6,5.7
PDG XII 29 05 08 10.7–.61 34.80N 25.17E 68–6 5.8,5.7L
NEIC XII 29 05 08 17.4 34.84N 25.15E 46 5.7,5.7L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
BGR Event type ke. Error ellipse: s-maj=53.4km s-min=12.2km az=49.0.
BEO Event type ke.
NAO Event type se. Presumed earthquake.
ISK Event type ke.
MOS Error ellipse: s-maj=4.5km s-min=2.2km az=86.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.78 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-1.12 $M_{r\theta}$1.64 $M_{\theta\phi}$-1.76 $M_{\phi r}$-0.25 NP1: ϕ_s176.00392°,δ51.50086°,λ19.83803°. NP2:ϕ_s73.34635°,δ74.59793°,λ139.78239°. Principal axes: T 2.7287,Plg38.9010°,Azm27.2788°; N -0.2491,Plg47.4065°,Azm235.9094° ; P -2.4796,Plg14.6181°,Azm129.4282° $M_0$2.61303×10^{17}
ISC-P Moment Tensor Solution. s41 Moment tensor: Scale 10^{18}Nm; M_{rr}0.61±.14 $M_{\theta\theta}$-0.01±.17; $M_{\phi\phi}$-0.59±.17; $M_{r\theta}$0.22±.18; $M_{\theta\phi}$-0.30±.25; $M_{\phi r}$0.01±.13; NP1:ϕ_s12.90000°,δ33.10000° ,λ116.00000°. NP2:ϕ_s162.60000°,δ60.60000°,λ74.10000°. $M_0$2.85000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/12/29 05:08:32, This location: 2021/12/29 05:59:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17} Nm; M_{rr}1.31±.13 $M_{\theta\theta}$0.86±.09; $M_{\phi\phi}$0.00±.08; $M_{r\theta}$1.83±.07; $M_{\theta\phi}$-3.52±.09; $M_{\phi r}$-0.36±.07; NP1: ϕ_s172.00000°,δ63.00000°,λ18.00000°. NP2:ϕ_s74.00000°,δ74.00000°,λ152.00000°. Principal axes: T 4.2200,Plg31.0000°,Azm31.0000°; N 0.3600,Plg58.0000°,Azm227.0000° ; P -4.5800,Plg7.0000°,Azm125.0000° $M_0$4.40000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112290508A. Moment Tensor Solution. s140,c276; s159,c329;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.04 $M_{\theta\theta}$0.92±.04; $M_{\phi\phi}$-2.02±.04; $M_{r\theta}$2.51±.05; $M_{\theta\phi}$-3.51±.04; $M_{\phi r}$-0.70±.04; Best double couple: NP1: ϕ_s174.00000°,δ59.00000°,λ19.00000°. NP2:ϕ_s74.00000°,δ74.00000°,λ148.00000°. Principal axes: T 4.8990,Plg34.0000°,Azm30.0000°; N -0.4080,Plg55.0000°,Azm231.0000° ; P -4.4930,Plg10.0000°,Azm127.0000° $M_0$4.69600×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.6km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.36 $M_{\theta\theta}$1.63 $M_{\phi\phi}$-2.98 $M_{r\theta}$2.08 $M_{\theta\phi}$-2.17 $M_{\phi r}$-0.91 NP1:ϕ_s163.35000°,δ65.01000°,λ29.61000°. NP2:ϕ_s59.85000°,δ63.39000° ,λ151.81000°. Principal axes: T 4.2608,Plg38.0000°,Azm22.0000°; N -0.4121,Plg52.0000° ,Azm200.0000°; P -3.8487,Plg1.0000°,Azm291.0000° $M_0$4.07000×10^{17}
IDC Error ellipse: s-maj=7.7km s-min=7.3km az=131.0.
NEIC Event type se.
NEIC Event type se.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
PDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=90.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.25 $M_{\theta\theta}$1.22 $M_{\phi\phi}$-2.46 $M_{r\theta}$1.93 $M_{\theta\phi}$-3.17 $M_{\phi r}$-0.53 NP1:ϕ_s169.70000°,δ63.09000° ,λ20.53000°. NP2:ϕ_s70.08000°,δ71.78000°,λ151.54000°. Principal axes: T 4.2895,Plg33.0000°,Azm28.0000°; N 0.0457,Plg57.0000°,Azm220.0000° ; P -4.3352,Plg6.0000°,Azm121.0000° $M_0$4.31000×10^{17}
ISK XII 30 06 58 27.9 35.23N 26.75E 5–0 2.7L
ATH XII 30 06 58 25.5 34.95N 26.94E 7–2 2.5L **¶621816579**
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/30 07:00:06, This location: 2022/05/07 05:42:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISC XII 30 21 55 04.6–.50 34.94N–.04 23.58E–.04 43 4.2b,3.5s 438 0-96
NAO XII 30 21 54 40.9 32.77N 25.58E 33 4.1b,3.5s **¶621657641**
NEIC XII 30 21 55 02.3–2.7 35.19N–.09 23.64E–.06 10–1 4.1b,3.5s
THE XII 30 21 55 05.0 35N–2.0 24E–2.0 26–2 3.8,3.8
ISK XII 30 21 55 04.1 34.94N 23.62E 28–0 3.7L,3.8
IDC XII 30 21 55 04.1–2.2 34.93N 23.70E 40–20 4.0L,4.0
ATH XII 30 21 55 05.7 34.98N 23.63E 32–1 3.9L,4.0
BEO XII 30 21 55 06.3–.60 34.99N 23.26E 50 4.1L,4.0
GII XII 30 21 55 06.9–.00 34.703N–.00 24.067E–.00 0 4.2,4.0
GFZ XII 30 21 55 07.1–.55 35N–5.0 24E–3.0 11–3 5.3b,4.8
MCSM XII 30 21 55 08.2–2.0 35N–15 24E–11 64–10 4.3b,4.3
AFAD XII 30 21 55 14.0 35.34N 24.44E 34–413 3.6L,4.3
ISC Event type ke.
NAO Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=6.2km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=13.7km az=1.0.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/30 21:56:08, This location: 2021/12/30 22:06:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
BEO Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
ISC XII 29 16 47 08.6–.36 34.79N–.03 25.19E–.03 68–2 5.2b 1618 0-128
BGR XII 29 16 46 59.2–.65 34.38N 25.57E 10 5.1b **¶621657127**
BJI XII 29 16 47 03.8 34.56N 24.76E 67 5.3b,5.2b
BEO XII 29 16 47 06.9–.40 34.46N 24.40E 50 5.1L,5.2b
MCSM XII 29 16 47 06.6–.60 35N–6.0 25E–4.0 66–5 5.3b,5.3
PDG XII 29 16 47 06.2–.54 34.70N 25.14E 106–2 5.1L,5.3
MOS XII 29 16 47 07.4–.96 34.86N 25.11E 69 5.6b,5.3
ISK XII 29 16 47 07.0 34.71N 25.15E 84–0 5.0L,5.3
ATH XII 29 16 47 08.8 34.63N 25.17E 52–4 5.3L,5.3
THE XII 29 16 47 08.8 35N–3.0 25E–2.0 78–2 5.2,5.2
NEIC XII 29 16 47 08.1–1.9 34.71N–.06 25.12E–.07 65–4 5.2b,5.0
GFZ XII 29 16 47 08.1–.21 35N–2.0 25E–1.0 56–2 5.5b,5.3L
NAO XII 29 16 47 08.2 35.08N 24.47E 33 4.6b,5.3L
IDC XII 29 16 47 08.3–1.3 34.83N 25.13E 63–10 5.1,4.8b
GFZ XII 29 16 47 09.2 34.83N 25.13E 56 4.9W,4.8b
MED_R XII 29 16 47 09.0 34.87N 25.12E 47 5.0W,4.8b
GII XII 29 16 47 10.7–.00 34.541N–.00 25.779E–.00 0 5.0,4.8b
GCMT XII 29 16 47 10.6–.30 34.72N–.02 24.97E–.02 85–2 5.0W,4.8b
AFAD XII 29 16 47 14.0 34.90N 25.57E 92–52 5.1W,4.8b
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=45.6km s-min=8.9km az=57.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=90.0.
MOS Error ellipse: s-maj=4.8km s-min=2.5km az=83.6.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/29 16:46:18, This location: 2022/07/08 07:28:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.7km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=12.0km s-min=9.4km az=146.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.93 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-1.46 $M_{r\theta}$1.31 $M_{\theta\phi}$-2.35 $M_{\phi r}$-0.54 NP1: ϕ_s173.73543°,δ63.41922°,λ22.31226°. NP2:ϕ_s73.33023°,δ70.15198°,λ151.59386°. Principal axes: T 3.0170,Plg33.8129°,Azm31.7983°; N 0.0179,Plg55.8271°,Azm221.2104° ; P -3.0349,Plg4.3771°,Azm124.7369° $M_0$3.02596×10^{16}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}1.71±.34 $M_{\theta\theta}$0.51±.20; $M_{\phi\phi}$0.00±.20; $M_{r\theta}$1.28±.11; $M_{\theta\phi}$-3.70±.20; $M_{\phi r}$-0.42±.12; NP1: ϕ_s174.00000°,δ66.00000°,λ21.00000°. NP2:ϕ_s75.00000°,δ71.00000°,λ154.00000°. Principal axes: T 3.8700,Plg31.0000°,Azm33.0000°; N 0.9600,Plg59.0000°,Azm221.0000° ; P -4.8300,Plg4.0000°,Azm125.0000° $M_0$4.35000×10^{16}
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112291647A. Moment Tensor Solution. s47,c62; s84,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.00±.14 $M_{\theta\theta}$1.37±.13; $M_{\phi\phi}$-3.37±.14; $M_{r\theta}$1.67±.11; $M_{\theta\phi}$-3.46±.13; $M_{\phi r}$-0.07±.14; Best double couple: NP1:ϕ_s168.00000°,δ62.00000° ,λ22.00000°. NP2:ϕ_s67.00000°,δ71.00000°,λ150.00000°. Principal axes: T 4.2400,Plg35.0000°,Azm25.0000°; N 1.0270,Plg55.0000°,Azm217.0000° ; P -5.2670,Plg6.0000°,Azm119.0000° $M_0$4.75300×10^{16}
AFAD Event type se. Presumed earthquake.
ISC XII 29 23 06 39.0–.61 35.07N–.02 25.21E–.01 13–3 4.2b 473 0-78

IDC	XII	29 23 06 37.2–.74	35.09N	25.16E	0	4.2b,4.1		¶621657264
NEIC	XII	29 23 06 38.9–1.4	35.04N–.05	25.14E–.06	10–5	4.3b,4.1		
ATH	XII	29 23 06 38.2	35.11N	25.20E	15–0	4.2L,4.1		
THE	XII	29 23 06 39.0	35N–1.0	25.2E–.60	6–1	4.1,4.1		
ISK	XII	29 23 06 38.5	35.13N	25.20E	11–0	4.0L,4.1		
GFZ	XII	29 23 06 40.8–.25	35N–3.0	25E–2.0	10	5.2b,4.5		
PDG	XII	29 23 06 41.8–.47	35.04N	25.09E	10–1	4.2L,4.5		
GII	XII	29 23 06 43.7–.00	34.909N–.00	25.501E–.00	0	4.1,4.5		
AFAD	XII	29 23 06 47.0	35.21N	25.37E	34–278	4.3W,4.5		

ISC Event type ke.
IDC Error ellipse: s-maj=15.4km s-min=9.6km az=21.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.8km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/12/29 23:07:24, This location: 2021/12/29 23:11:12 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISK Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.3km az=0.0.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.

(371) Eastern Mediterranean Sea.

ISC	**VII**	**04 17 30 08.7–.63**	**33.54N–.04**	**28.48E–.04**	**35**	**3.8b**	**322 2-45**	
IDC	VII	04 17 30 05.4–.94	33.66N	28.49E	0	3.8,3.7b		¶620733587
GFZ	VII	04 17 30 05.7–.28	33N–4.0	28E–2.0	10	4.5,4.0b		
AFAD	VII	04 17 30 08.4	33.97N	28.60E	6–3	3.7W,4.0b		
ISK	VII	04 17 30 09.2	33.70N	28.43E	65–0	3.9L,4.0b		
NIC	VII	04 17 30 09.7	33.77N	28.54E	20–31	4.0L,4.0b		
GII	VII	04 17 30 12.4–.00	33.47N	28.83E	0	3.9,4.0b		
THE	VII	04 17 30 13.2	34N–9.0	28E–8.0	41	3.6,3.6		

ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**VII**	**13 10 17 15.7–1.4**	**35.97N–.03**	**29.77E–.02**	**7–11**		**105 0-8**	
ISK	VII	13 10 17 13.9	35.84N	29.78E	5–0	3.3L		¶620829328
GII	VII	13 10 17 16.3–.00	35.940N–.00	29.750E–.00	0	3.1		
NIC	VII	13 10 17 18.9	36.01N	29.86E	26–1	2.8L		
AFAD	VII	13 10 17 18.8	36.01N	29.73E	7–4	3.2L		
ATH	VII	13 10 17 18.8	35.96N	29.75E	23–5	3.0L		

ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/13 10:19:06, This location: 2021/07/13 10:48:19 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 14 km; Longitude uncertainty: 3 km.

ISC	**VII**	**19 17 01 22.1–1.4**	**35.36N–.03**	**29.70E–.03**	**24–15**		**79 1-7**	
ISK	VII	19 17 01 22.4	35.39N	29.59E	91–1	2.8L		¶620837785
NIC	VII	19 17 01 23.2	35.72N	29.66E	32–41	2.8L		
GII	VII	19 17 01 26.5–.00	35.120N–.00	29.800E–.00	0	2.8		
AFAD	VII	19 17 01 29.2	35.91N	29.50E	47–1	2.2L		

ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.

ISC	**VIII**	**06 02 12 34.7–1.1**	**35.76N–.03**	**29.35E–.02**	**31–11**		**113 1-8**	
ISK	VIII	06 02 12 32.9	35.66N	29.40E	21–0	3.0L		¶620973892
AFAD	VIII	06 02 12 35.4	35.93N	29.32E	41–1	2.9L		
NIC	VIII	06 02 12 37.6	35.76N	29.68E	20–31	2.6L		
GII	VIII	06 02 12 38.9–.00	35.330N–.00	29.750E–.00	0	3.4		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**VIII**	**30 21 26 17.0–1.1**	**35.43N–.03**	**28.84E–.02**	**48–33**		**172 1-7**	
ISK	VIII	30 21 26 14.6	35.36N	28.87E	25–0	3.3L		¶621012656
NIC	VIII	30 21 26 17.2	35.46N	28.88E	33–34	3.0L		
ATH	VIII	30 21 26 17.4	35.55N	28.81E	42–7	3.0L		
AFAD	VIII	30 21 26 18.2	35.61N	28.75E	38–0	3.2W		
THE	VIII	30 21 26 19.3	36N–6.0	29E–7.0	54–14	2.9,2.9		
GII	VIII	30 21 26 20.5–.00	35.180N–.00	29.151E–.00	0	2.9,2.9		

ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/08/30 21:27:44, This location: 2021/08/31 04:11:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 3 km.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**VIII**	**20 15 28 28.5–1.3**	**33.64N–.02**	**34.81E–.03**	**20–4**		**97 1-4**	
ISK	VIII	20 15 28 27.8	33.58N	34.73E	25–0	3.0L		¶621000766
GRAL	VIII	20 15 28 29.8–.59	33.64N	34.80E	23–7	3.3		
JSO	VIII	20 15 28 29.3	33.66N	34.85E	6	3.1		
GII	VIII	20 15 28 29.6–.00	33.602N–.00	34.868E–.00	0–0	2.6		
NIC	VIII	20 15 28 32.5	33.88N	34.89E	32–20	2.3L		

ISC Event type ke.
ISK Event type ke.
GRAL Event type se. Error ellipse: s-maj=5.2km s-min=5.8km az=-1.0. Presumed earthquake.
JSO Eastern Mediterranean Sea . LOCSAT solution with earthmodel iasp91 (with start solution, 10 stations used, weight 10):. RMS-ERR: 1.391.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**VIII**	**24 16 05 53.4–1.3**	**35.76N–.04**	**29.68E–.04**	**20–5**		**44 0-3**	
AFAD	VIII	24 16 05 52.3	35.64N	29.56E	8–5	2.5L		¶621003186
ISK	VIII	24 16 05 53.9	35.76N	29.68E	31–0	2.5L		
NIC	VIII	24 16 05 58.1	35.86N	30.18E	13–20	2.5L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**IX**	**08 09 27 17.4–1.3**	**35.16N–.07**	**30.23E–.03**	**25–15**		**34 1-3**	
ISK	IX	08 09 27 14.7	35.15N	30.14E	13–0	2.7L		¶621049357
AFAD	IX	08 09 27 19.7	35.48N	30.52E	3–2	2.5L		
NIC	IX	08 09 27 21.9	35.60N	30.37E	56–11	2.4L		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**02 09 30 49.5–2.1**	**34.94N–.09**	**27.08E–.05**	**1–11**	**3.8b**	**36 1-82**	
IDC	IX	02 09 30 47.0–2.2	34.54N	27.15E	0	3.8b,3.7		¶621080673
ATH	IX	02 09 30 49.8	34.99N	27.05E	12–3	3.2L,3.7		
THE	IX	02 09 30 49.6	35N–5.0	27E–3.0	2–5	3.2,3.2		

ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/02 09:32:14, This location: 2021/09/02 10:28:40 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 3 km.

GII	**IX**	**11 02 06 17.9–.00**	**33.57N–.02**	**33.376E–.01**	**0–0**	**2.1**		¶635706665

GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**X**	**27 19 49 07.0–1.3**	**34.63N–.04**	**28.48E–.05**	**69–35**		**88 1-7**	
ISK	X	27 19 49 05.6	34.58N	28.48E	26–0	2.6L		¶635677111
NIC	X	27 19 49 06.1	34.56N	28.47E	62–8	2.7L		
GII	X	27 19 49 12.2–.00	33.451N–.00	28.501E–.00	0	3.0		
AFAD	X	27 19 49 14.0	35.14N	28.48E	49–70	2.1L		

ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.

ISC	**IX**	**21 00 05 44.7–1.2**	**33.66N–.05**	**28.52E–.05**	**10**		**96 2-7**	
ISK	IX	21 00 05 44.9	33.84N	28.39E	5–0	2.8L		¶621106347
AFAD	IX	21 00 05 49.0	34.16N	28.24E	8–3	2.3L		
GII	IX	21 00 05 51.6–.00	33.475N–.00	28.749E–.00	0	3.1		
NIC	IX	21 00 05 57.0	34.22N	29.01E	35–20	2.5L		

ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

ISC	**IX**	**17 14 08 47.1–2.1**	**35.64N–.08**	**30.25E–.05**	**7–11**		**48 1-5**	
AFAD	IX	17 14 08 45.5	35.62N	30.41E	13–3	3.4W		¶621818608
ISK	IX	17 14 08 47.6	35.60N	30.20E	22–0	2.9L		

ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

ISC	**X**	**15 23 06 48.6–1.2**	**35.75N–.02**	**28.95E–.02**	**10–10**		**127 1-8**	
GII	X	15 23 06 47.4–.00	35.711N–.00	28.940E–.00	0	3.2		¶621213153
AFAD	X	15 23 06 47.6	35.67N	28.92E	22–1	2.8L		
NIC	X	15 23 06 49.5	35.87N	29.05E	13–1	2.5L		
ATH	X	15 23 06 49.1	35.79N	29.03E	9–2	3.1L		
ISK	X	15 23 06 49.0	35.77N	28.78E	11–0	2.9L		

ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/15 23:08:29, This location: 2021/10/16 05:28:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISK Event type ke.

ISC	**X**	**18 02 27 43.7–.98**	**35.18N–.03**	**28.98E–.02**	**46–17**	**3.4b**	**242 1-41**	
IDC	X	18 02 27 39.7–.84	35.21N	28.95E	0	3.9b,3.8		¶621213168
ISK	X	18 02 27 43.9	35.17N	28.87E	83–0	3.6L,3.8		
NIC	X	18 02 27 44.8	35.17N	29.04E	39–24	3.4L,3.8		
GII	X	18 02 27 47.2–.00	35.045N–.00	29.281E–.00	0	3.5,3.8		
ATH	X	18 02 27 49.5	35.39N	28.63E	57–7	3.4L,3.8		
AFAD	X	18 02 27 50.4	35.58N	28.79E	27–0	3.5W,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=9.7km az=17.0.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/18 02:29:13, This location: 2021/10/18 03:48:00 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
AFAD Event type se. Presumed earthquake.

ISC	**X**	**19 05 32 32.8–.23**	**34.59N–.02**	**28.35E–.02**	**44–1**	**5.9b,5.4s**	**2549 1-169**	
BGR	X	19 05 32 18.7	33.86N	29.33E	33	6.4,6.1b		¶621211187
PTWC	X	19 05 32 28	34.30N	28.10E		6.0,6.1b		
BJI	X	19 05 32 28.2	34.35N	27.92E	42	6.1b,5.9b		
NAO	X	19 05 32 29.9	34.60N	28.30E	33	6.5b,5.9b		
GFZ	X	19 05 32 29.7–.28	34N–2.0	28E–1.0	19–1	6.5b,6.4L		
ISK	X	19 05 32 30.5	34.54N	28.34E	81–0	6.1L,6.4L		
IDC	X	19 05 32 32.0–1.2	34.65N	28.28E	33–8	5.9,5.7b		
MOS	X	19 05 32 31.7–.95	34.70N	28.27E	44	6.3b,5.7b		
NIC	X	19 05 32 31.9	34.51N	28.46E	34–34	6.1L,5.7b		
ISC-P	X	19 05 32 32	34.58N	28.40E	36–0	5.8,5.7b		
NEIC	X	19 05 32 32.7–1.1	34.58N–.05	28.40E–.05	44–3	5.9,5.9b		
NEIC	X	19 05 32 32.6	34.59N	28.39E	41	5.9,5.9b		
GFZ	X	19 05 32 32.0	34.55N	28.27E	24	5.9W,5.9b		
MED_R	X	19 05 32 32.0	34.60N	28.30E	28	5.9W,5.9b		
GCMT	X	19 05 32 32.1–.10	34.40N	28.38E	26–0	5.9W,5.9b		
MCSM	X	19 05 32 32.2–.40	35N–4.0	28E–3.0	37–2	6.3b,6.0b		
NEIC	X	19 05 32 32.6	34.59N	28.39E	41	6.3b,6.0b		
GII	X	19 05 32 33.5–.00	34.33N	28.63E	0	5.7,6.0b		
ATH	X	19 05 32 35.0	34.71N	28.25E	58–17	6.1L,6.0b		
PDG	X	19 05 32 35.4–.58	34.65N	28.28E	50–12	6.1,6.0L		
THE	X	19 05 32 35.3	35N–5.0	28E–4.0	61	7.5b,5.9		
AFAD	X	19 05 32 35.0	34.72N	28.33E	36–331	6.0L,5.9		
NEIC	X	19 05 32 39.1	34.49N	28.03E	36	5.9,5.9		

ISC Event type ke.
BGR Event type ke.
NAO Event type se. Presumed earthquake.
GFZ Error ellipse: s-maj=4.3km s-min=2.5km az=22.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISK Event type ke.
IDC Error ellipse: s-maj=7.9km s-min=6.6km az=8.0.
MOS Error ellipse: s-maj=4.5km s-min=2.3km az=91.0.
ISC-P Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.48±.28 $M_{\theta\theta}$-0.32±.29; $M_{\phi\phi}$0.51±.15; $M_{r\theta}$-0.37±.19; $M_{\theta\phi}$-0.05±.23; $M_{\phi r}$0.25±.16; NP1:ϕ_s48.80000°,δ64.70000°,λ314.40000°. NP2:ϕ_s162.40000°,δ49.80000°,λ-146.00000°. M_o7.41000×10^{17}
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.0km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.37 $M_{\theta\theta}$4.16 $M_{\phi\phi}$-3.79 $M_{r\theta}$1.02 $M_{\theta\phi}$8.71 $M_{\phi r}$1.04 NP1:ϕ_s12.04000°,δ85.96000°,λ172.98000°. NP2:ϕ_s102.53000°,δ83.00000°,λ4.07000°. Principal axes: T 9.9533,Plg8.0000°,Azm327.0000°; N -0.5497,Plg82.0000°,Azm162.0000°; P -9.4036,Plg2.0000°,Azm57.0000° M_o9.69000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.46 $M_{\theta\theta}$4.31 $M_{\phi\phi}$-0.85 $M_{r\theta}$0.82 $M_{\theta\phi}$6.73 $M_{\phi r}$0.81 NP1:ϕ_s100.64788°,δ82.10321°,λ-0.53118°. NP2:ϕ_s190.72086°,δ89.47385°,λ-172.10287°. Principal axes: T 9.0355,Plg5.2013°,Azm325.4130°; N -3.5402,Plg82.0855°,Azm194.5084°; P -5.4953,Plg5.9489°,Azm55.9565° M_o7.88577×10^{17}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18} Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$0.65±.01; $M_{\phi\phi}$0.00±.01; $M_{r\theta}$-0.07±.03; $M_{\theta\phi}$0.85±.02; $M_{\phi r}$-0.05±.03; NP1:ϕ_s287.00000°,δ87.00000°,λ2.00000°. NP2:ϕ_s197.00000°,δ88.00000°,λ177.00000°. Principal axes: T 1.1100,Plg4.0000°,Azm152.0000°; N -0.1800,Plg86.0000°,Azm340.0000°; P -0.9300,Plg1.0000°,Azm242.0000° M_o1.02000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110190532A. Moment Tensor Solution. s148,c302; s168,c537;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.21±.01 $M_{\theta\theta}$0.56±.01; $M_{\phi\phi}$-0.35±.01; $M_{r\theta}$0.01±.01; $M_{\theta\phi}$0.71±.01; $M_{\phi r}$0.18±.01; Best double couple: NP1:ϕ_s106.00000°,δ76.00000°,λ-8.00000°. NP2:ϕ_s198.00000°,δ82.00000°,λ-166.00000°. Principal axes: T 0.9560,Plg4.0000°,Azm331.0000°; N -0.1750,Plg74.0000°,Azm225.0000°; P -0.7790,Plg16.0000°,Azm62.0000° M_o0.86800×10^{18}
NEIC Event type se.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/19 05:33:50, This location: 2021/10/19 09:25:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.22 $M_{\theta\theta}$5.38 $M_{\phi\phi}$-4.15 $M_{r\theta}$-0.01 $M_{\theta\phi}$8.71 $M_{\phi r}$-0.11 NP1:ϕ_s284.34000°,δ89.34000°,λ-0.21000°. NP2:ϕ_s14.34000°,δ89.79000°,λ-179.34000°. Principal axes: T 10.5442,Plg0.0000°,Azm149.0000°; N -1.2238,Plg90.0000°,Azm32.0000°; P -9.3204,Plg1.0000°,Azm239.0000° M_o9.99000×10^{17}

ISC	**XI**	**04 10 53 10.1–.99**	**34.39N–.04**	**28.47E–.03**	**59–15**	**3.7b**	**189 2-35**	
ISK	XI	04 10 53 09.8	34.64N	28.42E	2–0	3.5L		¶621385293

IDC XI 04 10 53 10.8–2.0 34.48N 28.57E 62–26 3.7b,3.7
NIC XI 04 10 53 10.6 34.39N 28.49E 34–37 3.6L,3.7
GII XI 04 10 53 12.5–.00 34.342N–.00 28.959E–.00 0 3.9,3.7
AFAD XI 04 10 53 13.9 34.96N 28.37E 8–1 3.7W,3.7
THE XI 04 10 53 14.1 35N–7.0 28E–6.0 90–22 3.8b,3.4
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC XI 01 16 27 07.2–1.2 33.76N–.03 32.09E–.04 80–10 97 1-5
ISK XI 01 16 27 02.5 33.56N 31.97E 22–0 2.9L **¶621252706**
NIC XI 01 16 27 06.2 33.75N 32.12E 82–2 2.6L
GII XI 01 16 27 07.8–.00 33.661N–.00 32.138E–.00 0 3.1
AFAD XI 01 16 27 17.7 34.63N 31.64E 4–5 2.8L
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC XI 29 01 36 36.3–1.2 34.30N–.04 27.03E–.03 20–5 4.1b 226 1-84
NEIC XI 29 01 36 35.9–1.9 34.40N–.10 26.80E–.04 10–1 4.4b **¶621626948**
IDC XI 29 01 36 35.1–.97 34.55N 26.88E 0 3.9b,3.9
ISK XI 29 01 36 38.8 34.39N 26.93E 86–0 3.5L,3.9
ATH XI 29 01 36 39.6 34.47N 27.02E 16–5 3.4L,3.9
GII XI 29 01 36 40.1–.00 34.166N–.00 27.373E–.00 0 3.6,3.9
THE XI 29 01 36 42.4 35N–9.0 27E–4.0 67–14 3.3,3.3
AFAD XI 29 01 36 47.9 35.12N 27.35E 7–3 3.0L,3.3
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=6.0km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.7km s-min=9.9km az=17.0.
ISK Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/11/29 01:37:11, This location: 2021/11/29 01:46:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC XI 14 15 19 58.7–1.5 35.57N–.03 30.22E–.02 17–10 3.5b 132 1-62
IDC XI 14 15 19 56.4–.77 35.60N 30.33E 0 3.6b,3.5 **¶621468705**
ISK XI 14 15 19 58.3 35.53N 30.26E 13–0 3.2L,3.5
GII XI 14 15 19 58.3–.00 35.610N–.00 30.320E–.00 0 3.6,3.5
NIC XI 14 15 20 00.7 35.57N 30.36E 16–2 2.9L,3.5
THE XI 14 15 20 11.0 36N–3.0 29E–6.0 22–14 2.6,2.6
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XI 21 00 45 11.2–1.1 35.94N–.02 30.05E–.02 14–8 155 0-42
IDC XI 21 00 45 04.6–3.8 36.01N 29.47E 0 3.6b,3.5 **¶621470307**
ISK XI 21 00 45 08.6 35.83N 30.05E 5–0 3.1L,3.5
AFAD XI 21 00 45 09.7 35.91N 30.04E 28–0 2.9L,3.5
GII XI 21 00 45 12.7–.00 35.934N–.00 30.015E–.00 0 3.3,3.5
NIC XI 21 00 45 13.7 36.08N 30.07E 51–8 2.8L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=54.9km s-min=23.0km az=86.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XI 14 06 53 29.2–2.7 36.0N–.10 29.61E–.05 5–14 19 0-2
AFAD XI 14 06 53 28.5 35.95N 29.58E 7–6 2.5L **¶621822732**
ISK XI 14 06 53 31.9 36.16N 29.63E 5–0 2.0L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XII 03 10 51 30.6–1.3 35.87N–.03 30.83E–.03 16–9 65 1-3
ISK XII 03 10 51 27.9 35.77N 30.83E 11–0 2.8L **¶621631578**
AFAD XII 03 10 51 29.1 35.81N 30.86E 43–0 2.6L
NIC XII 03 10 51 32.0 35.91N 30.83E 51–17 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 05 02 29 36.9–1.3 35.83N–.04 28.22E–.03 12–9 85 0-5
ATH XII 05 02 29 34.9 35.76N 28.35E 15–3 2.9L **¶621824105**
ISK XII 05 02 29 35.9 35.79N 28.23E 6–0 2.9L
AFAD XII 05 02 29 37.2 35.80N 28.20E 6–3 2.6L
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/05 02:31:13, This location: 2022/05/09 11:06:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 3 km.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 18 18 53 18.5–.94 33.79N–.08 25.55E–.07 17 3.7b 38 1-79
IDC XII 18 18 53 16.3–1.8 33.94N 25.29E 0 3.8b,3.8 **¶621657020**
ISK XII 18 18 53 20.9 34.06N 25.72E 5–0 2.7L,3.8
GII XII 18 18 53 21.5–.00 33.913N–.00 25.857E–.00 0 3.2,3.8
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XII 14 07 02 48.7–1.2 35.85N–.03 28.25E–.03 12–8 86 0-41
IDC XII 14 07 02 42.5–3.7 35.09N 28.37E 0 3.5b,3.3 **¶621652892**
AFAD XII 14 07 02 44.4 35.63N 28.28E 7–3 3.0L,3.3
ISK XII 14 07 02 47.4 35.85N 28.30E 5–0 3.0L,3.3
THE XII 14 07 02 48.3 36N–4.0 28E–4.0 0–4 2.9,2.9
ATH XII 14 07 02 49.6 35.95N 28.28E 9–2 3.0L,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=98.9km s-min=28.9km az=163.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/12/14 07:04:18, This location: 2021/12/14 07:35:30 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
ISC XII 10 00 00 32.8–1.2 34.49N–.04 28.42E–.04 59–50 3.5b 217 1-44
IDC XII 10 00 00 29.7–1.7 34.62N 28.28E 0 3.7b,3.5 **¶621626236**
GII XII 10 00 00 31.9–.00 34.346N–.00 28.595E–.00 0 3.2,3.5
ISK XII 10 00 00 32.8 34.54N 28.35E 85–0 3.5L,3.5
NIC XII 10 00 00 33.9 34.50N 28.48E 39–44 3.3L,3.5
ATH XII 10 00 00 35.8 34.71N 28.25E 85–8 3.3L,3.5
THE XII 10 00 00 38.6 35N–12 28E–12 77–25 3.1,3.1
AFAD XII 10 00 00 38.2 35.09N 28.35E 22–3 3.1L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=22.1km az=171.0.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/10 00:01:24, This location: 2021/12/10 00:15:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 3 km.
AFAD Event type se. Presumed earthquake.
ISC XII 22 12 11 16.8–1.2 35.94N–.03 29.12E–.02 23–13 71 0-3
AFAD XII 22 12 11 14.0 35.88N 29.04E 36–5 2.8L **¶621653779**
ISK XII 22 12 11 16.0 35.98N 29.06E 9–0 2.9L
NIC XII 22 12 11 17.1 36.06N 29.19E 32–26 2.9L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.

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ISC VII 01 18 25 27.8–1.3 35.86N–.03 32.02E–.04 34–3 62 0-2
ISK VII 01 18 25 25.5 35.73N 32.05E 17–0 2.5L **¶620697783**
AFAD VII 01 18 25 26.5 35.97N 31.92E 50–1 2.2L
NIC VII 01 18 25 28.9 35.78N 32.26E 24–1 2.0L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 10 12 27 57.7–1.2 35.97N–.03 31.17E–.02 16–10 50 1-2
ISK VII 10 12 27 57.5 35.96N 31.18E 5–0 2.7L **¶620787656**
NIC VII 10 12 27 59.4 36.33N 31.83E 6–34 2.4L
AFAD VII 10 12 27 59.2 36.05N 31.18E 7–2 2.1L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VIII 23 13 26 14.3–1.3 34.31N–.03 31.99E–.04 3–11 70 1-5
ISK VIII 23 13 26 14.8 34.43N 32.01E 4–0 2.9L **¶621001071**
NIC VIII 23 13 26 15.0 34.32N 31.87E 25–0 2.4L
GII VIII 23 13 26 18.5–.00 34.33N–.02 32.058E–.01 0–0 2.5
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VII 25 09 13 23.8–.92 35.22N–.02 32.62E–.03 44–6 131 0-33
IDC VII 25 09 13 18.8–.97 35.21N 32.49E 0 3.9b,3.4 **¶620846092**
NIC VII 25 09 13 23.7 35.26N 32.64E 40–1 2.9L,3.4
ISK VII 25 09 13 23.6 35.37N 32.71E 10–0 3.1L,3.4
AFAD VII 25 09 13 24.2 35.45N 32.71E 24–1 2.7L,3.4
GII VII 25 09 13 24.6–.00 35.134N–.00 32.719E–.00 0 3.0,3.4
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VIII 19 18 14 31.7–1.1 34.94N–.05 33.93E–.04 33–2 41 0-3
ISK VIII 19 18 14 29.3 34.86N 33.95E 30–0 2.5L **¶620998513**
NIC VIII 19 18 14 32.2 35.04N 33.89E 31–0 1.9L
ISC Event type ke.
ISK Event type ke.
ISC VIII 13 12 47 06.0–1.4 35.41N–.03 31.76E–.04 5–11 56 1-3
AFAD VIII 13 12 47 02.7 35.25N 31.72E 5–2 2.5L **¶620987259**
NIC VIII 13 12 47 04.9 35.73N 31.90E 3–2 2.6L
ISK VIII 13 12 47 05.4 35.41N 31.73E 5–0 2.6L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 31 09 18 49.6–.90 34.77N–.03 32.49E–.03 26–5 73 0-27
IDC VIII 31 09 18 47.4–1.7 34.87N 32.60E 0 3.8b,3.5L **¶621011473**
NIC VIII 31 09 18 49.6 34.80N 32.53E 22–0 3.0L,3.5L
AFAD VIII 31 09 18 50.7 34.96N 32.65E 1–2 3.3W,3.5L
ISK VIII 31 09 18 50.9 34.98N 32.56E 7–0 3.1L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=40.8km s-min=12.3km az=70.0.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC IX 06 15 32 55.1–1.2 35.61N–.02 32.28E–.03 22–5 55 1-4
ISK IX 06 15 32 54.4 35.58N 32.22E 27–0 3.1L **¶621039542**
NIC IX 06 15 32 55.3 35.61N 32.36E 18–4 2.0L
AFAD IX 06 15 32 55.6 35.61N 32.47E 22–1 1.9L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC IX 05 15 49 13.2–1.7 35.00N–.05 31.00E–.07 13–13 25 1-3
ISK IX 05 15 49 12.7 34.86N 31.36E 5–0 2.6L **¶621037049**
NIC IX 05 15 49 13.9 35.00N 31.02E 13–1 2.3L
ISC Event type ke.
ISK Event type ke.
ISC IX 17 01 24 43.5–.81 35.99N–.03 31.77E–.02 71–8 3.4b 175 1-39
ISK IX 17 01 24 41.6 35.90N 31.65E 85–0 3.0L **¶621080892**
IDC IX 17 01 24 42.6–1.5 36.03N 31.77E 69–21 3.5,3.3b
AFAD IX 17 01 24 45.4 36.10N 31.80E 52–2 2.8L,3.3b
GII IX 17 01 24 46.8–.00 35.770N–.00 31.771E–.00 0 3.2,3.3b
NIC IX 17 01 24 46.1 35.97N 32.09E 18–1 2.7L,3.3b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=10.3km az=74.0.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
NIC IX 11 02 05 48.9 34.86N 32.70E 25–1 1.0L ¶626365596
ISC IX 16 01 08 22.1–1.1 34.87N–.03 32.10E–.03 15–7 133 0-6
ISK IX 16 01 08 19.9 34.73N 32.04E 74–0 2.8L **¶621079122**
GII IX 16 01 08 20.1–.00 34.841N–.00 32.059E–.00 0–0 2.9
AFAD IX 16 01 08 21.4 35.13N 31.78E 2–3 2.4L
NIC IX 16 01 08 21.7 34.94N 32.05E 24–0 2.6L
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC IX 06 17 26 33.8–1.5 35.28N–.04 31.17E–.05 12–13 35 1-4
NIC IX 06 17 26 33.6 35.20N 31.08E 15–1 2.4L **¶621039537**
ISK IX 06 17 26 34.8 35.43N 31.30E 8–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISC IX 14 16 41 32.9–1.2 35.17N–.02 33.94E–.03 48–6 77 0-4
ISK IX 14 16 41 32.2 35.13N 33.91E 39–1 2.1L **¶621073652**
GII IX 14 16 41 32.1–.00 35.091N–.00 34.058E–.00 0 2.6
NIC IX 14 16 41 33.9 35.27N 33.84E 29–1 1.8L
AFAD IX 14 16 41 36.0 35.42N 33.98E 50–2 2.0L
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
NIC IX 21 20 40 19.6 34.76N 34.03E 24–0 1.3L ¶635706661
ISC X 18 12 30 07.1–1.2 35.51N–.02 31.26E–.02 10–10 110 1-7
AFAD X 18 12 29 59.5 35.03N 31.26E 25–6 3.0L **¶621211177**
GII X 18 12 30 04.8–.00 35.711N–.00 31.501E–.00 0–0 2.9
NIC X 18 12 30 07.1 35.46N 31.19E 7–2 2.9L
ISK X 18 12 30 10.4 35.72N 31.50E 4–0 2.8L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
ISC X 01 00 46 12.2–1.2 34.99N–.02 33.21E–.03 56–5 82 0-5
ISK X 01 00 46 11.9 35.00N 33.04E 45–0 2.0L **¶621117576**
NIC X 01 00 46 12.3 35.03N 33.23E 51–1 1.9L
AFAD X 01 00 46 13.7 35.25N 33.10E 9–3 1.8L
GII X 01 00 46 14.9–.00 34.771N–.00 33.610E–.00 0–0 2.7
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC X 05 00 54 30.2–1.0 34.92N–.03 32.27E–.03 18–2 122 0-6
ISK X 05 00 54 29.8 35.02N 32.27E 9–0 2.9L **¶621120454**

GII X 05 00 54 30.9–.00 34.810N–.00 32.337E–.00 0 3.2
NIC X 05 00 54 30.4 34.92N 32.26E 19–0 2.8L
AFAD X 05 00 54 30.4 34.87N 32.75E 17–2 2.5L
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC X 17 01 47 35.4–1.3 35.18N–.03 31.54E–.03 29–13 73 1-6
NIC X 17 01 47 35.4 35.23N 31.53E 24–1 2.5L **¶621206650**
GII X 17 01 47 36.2–.00 35.080N–.00 31.497E–.00 0 2.5
ISK X 17 01 47 37.1 35.30N 31.89E 7–0 2.6L
AFAD X 17 01 47 38.0 35.66N 31.21E 6–3 2.1L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISK X 21 21 12 41.9 35.86N 31.45E 5–0 2.3L
NIC X 21 21 12 39.8 36.01N 31.71E 0–1 1.9L **¶621239841**
AFAD X 21 21 12 55.0 36.40N 29.97E 7–4 1.2L
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 12 14 24 14.7–1.1 34.71N–.05 33.22E–.03 15–6 57 0-4
ISK XI 12 14 24 07.3 34.31N 33.09E 5–0 3.5L **¶621401385**
AFAD XI 12 14 24 14.6 34.82N 33.11E 11–1 2.4L
NIC XI 12 14 24 15.8 34.77N 33.14E 2–2 2.7L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 22 20 56 30.7–1.1 34.50N–.02 32.09E–.02 30–12 174 0-6
ISK X 22 20 56 31.1 34.65N 32.15E 6–0 2.9L **¶621238453**
GII X 22 20 56 31.5–.00 34.509N–.00 32.118E–.00 0 2.8
NIC X 22 20 56 31.1 34.49N 32.14E 29–0 2.8L
AFAD X 22 20 56 38.2 34.82N 31.65E 19–4 2.8L
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC XI 02 03 47 24.1–1.2 35.47N–.03 31.14E–.03 33–5 108 1-6
NIC XI 02 03 47 23.4 35.84N 31.25E 46–12 2.7L **¶621256499**
ISK XI 02 03 47 24.1 35.31N 31.27E 29–0 2.7L
AFAD XI 02 03 47 25.7 35.75N 31.38E 25–0 2.5L
GII XI 02 03 47 25.3–.00 35.460N–.00 31.280E–.00 0 2.6
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XI 07 20 51 30.4–1.2 35.64N–.03 33.94E–.03 8–10 61 1-3
ISK XI 07 20 51 32.0 35.70N 33.81E 9–0 2.7L **¶621385318**
AFAD XI 07 20 51 34.5 35.74N 33.64E 7–4 1.9L
NIC XI 07 20 51 34.6 35.64N 33.78E 35–19 1.6L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 11 23 32 09.2–1.1 34.29N–.02 33.89E–.02 17–9 223 1-5
ISK XI 11 23 32 08.1 34.21N 33.77E 10–0 3.3L **¶621399228**
NIC XI 11 23 32 10.5 34.29N 33.73E 15–1 3.3L
GII XI 11 23 32 10.5–.00 34.28N 33.79E 0 2.9
GRAL XI 11 23 32 11.3–.35 34.20N 33.90E 13–6 3.9
AFAD XI 11 23 32 14.0 34.55N 33.95E 86–41 3.0L
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GRAL Event type se. Error ellipse: s-maj=2.9km s-min=7.8km az=-1.0. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
ISC X 27 04 53 04.0–.84 34.81N–.02 32.97E–.02 17–6 3.6b,2.8s 125 0-70
ISK X 27 04 53 02.7 34.71N 32.94E 18–0 3.6L,2.8s **¶625388260**
GRAL X 27 04 53 04.9–1.3 34.75N 32.98E 7–484 3.6,2.8s
NIC X 27 04 53 04.2 34.79N 32.96E 17–1 3.3L,2.8s
IDC X 27 04 53 05.9–1.1 34.72N 32.82E 46–17 3.6,3.5L
GII X 27 04 53 05.9–.00 34.883N–.00 33.044E–.00 0–0 3.3,3.5L
ISC Event type ke.
ISK Event type ke.
GRAL Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC X 21 22 15 26.1–1.1 35.02N–.02 33.94E–.02 55–5 183 0-5
GII X 21 22 15 26.8–.00 34.94N 33.87E 0 3.0 **¶621236040**
NIC X 21 22 15 26.7 34.99N 33.89E 51–1 2.7L
ISK X 21 22 15 26.0 35.15N 33.82E 15–0 3.0L
GRAL X 21 22 15 27.2–.58 34.89N 33.93E 27–108 3.1
AFAD X 21 22 15 27.0 35.11N 33.91E 36–230 2.6L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
GRAL Event type se. Error ellipse: s-maj=29.8km s-min=75.6km az=-1.0. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
ISC X 23 23 03 29.7–.99 35.15N–.02 32.66E–.03 34–2 127 0-6
GII X 23 23 03 26.7–.00 35.171N–.00 32.559E–.00 0 2.7 **¶621238454**
AFAD X 23 23 03 26.9 35.18N 32.69E 14–3 2.1L
NIC X 23 23 03 28.6 35.25N 32.55E 40–1 2.5L
ISK X 23 23 03 29.5 35.25N 32.69E 19–0 2.6L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC X 27 13 43 26.9–.67 34.76N–.02 32.92E–.02 15–4 3.3b 189 0-81
IDC X 27 13 43 25.2–.82 34.79N 32.91E 0 3.6L,3.6 **¶621242185**
ISK X 27 13 43 25.5 34.71N 32.86E 10–0 3.3L,3.6
AFAD X 27 13 43 25.3 34.82N 33.01E 8–3 3.7W,3.6
GII X 27 13 43 26.6–.00 34.75N 32.93E 0 3.6,3.6
NIC X 27 13 43 27.5 34.78N 32.95E 13–2 3.1L,3.6
GRAL X 27 13 43 29.4–.31 34.61N 33.11E 0–73 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=16.0km s-min=9.7km az=58.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GRAL Event type se. Error ellipse: s-maj=16.0km s-min=72.5km az=-1.0. Presumed earthquake.
NIC X 28 02 45 23.4 34.73N 32.92E 1–31 1.7L
GII X 28 02 45 21.7–.00 34.569N–.00 32.983E–.00 0–0 2.1 **¶621242660**
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC X 28 03 08 15.6–.85 34.61N–.03 32.90E–.02 14–5 147 0-20
IDC X 28 03 08 15.0–1.1 34.59N 32.85E 0 3.4L,3.3 **¶621242586**
GII X 28 03 08 15.4–.00 34.613N–.00 32.991E–.00 0 2.8,3.3
NIC X 28 03 08 16.9 34.73N 32.92E 1–31 2.7L,3.3
ISK X 28 03 08 17.1 34.81N 32.90E 4–0 3.1L,3.3
AFAD X 28 03 08 20.1 34.82N 33.06E 8–4 2.7L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=11.3km az=51.0.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NIC X 28 03 52 31.0 34.75N 32.89E 1–31 2.1L
GII X 28 03 52 23.0–.00 34.791N–.00 32.449E–.00 0 2.4 **¶621242595**
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XI 05 20 27 22.1–1.2 34.88N–.02 33.11E–.03 54–5 109 0-5
AFAD XI 05 20 27 20.8 34.98N 32.99E 6–3 2.0L **¶621372552**
ISK XI 05 20 27 21.4 35.04N 32.81E 11–0 2.5L
GII XI 05 20 27 21.9–.00 34.892N–.00 33.172E–.00 0 2.6
NIC XI 05 20 27 22.4 34.90N 33.16E 50–1 2.1L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XI 12 14 26 15.6–.80 34.69N–.02 33.17E–.02 15–5 4.0b 219 0-60
ISK XI 12 14 26 13.2 34.59N 33.15E 5–0 3.6L **¶621401378**
IDC XI 12 14 26 14.0–.79 34.72N 33.11E 0 3.8b,3.8
GRAL XI 12 14 26 15.9–.51 34.71N 33.23E 0–113 3.5,3.8
AFAD XI 12 14 26 15.0 34.82N 33.07E 18–5 3.7W,3.8
GII XI 12 14 26 15.8–.00 34.69N 33.18E 0 3.5,3.8
NIC XI 12 14 26 16.6 34.77N 33.12E 2–2 3.4L,3.8
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=16.6km s-min=9.2km az=53.0.
GRAL Event type se. Error ellipse: s-maj=28.5km s-min=111.1km az=-1.0. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XI 12 14 30 53.4–.86 34.72N–.02 33.12E–.02 17–6 3.9b 191 0-39
IDC XI 12 14 30 51.8–.82 34.78N 33.13E 0 3.7b,3.6L **¶621401380**
ISK XI 12 14 30 52.7 34.67N 33.11E 13–0 3.5L,3.6L
AFAD XI 12 14 30 53.2 34.79N 33.02E 15–1 3.2L,3.6L
GII XI 12 14 30 53.7–.00 34.739N–.00 33.140E–.00 0 3.2,3.6L
NIC XI 12 14 30 54.7 34.79N 33.11E 1–1 3.2L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=16.2km s-min=9.0km az=58.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XI 12 14 42 27.8–.87 34.66N–.02 33.16E–.02 15–6 131 0-5
GII XI 12 14 42 25.4–.00 34.631N–.00 33.001E–.00 0–0 2.7 **¶621401383**
ISK XI 12 14 42 27.9 34.76N 33.06E 7–0 2.8L
AFAD XI 12 14 42 27.0 34.80N 33.07E 13–9 2.7L
NIC XI 12 14 42 29.4 34.78N 33.12E 1–1 2.6L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 13 02 53 05.7–1.1 34.42N–.02 32.07E–.02 32–12 220 1-5
ISK XI 13 02 53 04.6 34.50N 32.04E 2–0 3.1L **¶621405027**
GRAL XI 13 02 53 06.2–.58 34.47N 32.14E 15–369 3.7
NIC XI 13 02 53 07.5 34.41N 32.11E 29–0 2.8L
GII XI 13 02 53 07.2–.00 34.36N 32.17E 0 3.6
AFAD XI 13 02 53 13.0 34.72N 32.13E 57–70 3.6W
ISC Event type ke.
ISK Event type ke.
GRAL Event type se. Error ellipse: s-maj=41.0km s-min=375.5km az=-1.0. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC XI 14 11 32 52.2–1.5 34.42N–.03 32.15E–.03 6–11 86 0-5
ISK XI 14 11 32 53.2 34.48N 32.21E 1–0 2.7L **¶621403204**
NIC XI 14 11 32 54.5 34.38N 32.20E 25–0 2.7L
GII XI 14 11 32 55.3–.00 34.391N–.00 32.179E–.00 0 3.1
AFAD XI 14 11 32 59.3 34.78N 31.62E 7–4 2.8L
ISC Event type ke.
ISK Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
AFAD Event type se. Presumed earthquake.
ISC XI 13 07 53 42.2–1.1 35.98N–.03 31.50E–.02 26–13 123 1-7
GII XI 13 07 53 39.9–.00 35.988N–.00 31.562E–.00 0 3.0 **¶621412324**
ISK XI 13 07 53 41.8 36.02N 31.46E 20–0 2.9L
AFAD XI 13 07 53 42.2 36.07N 31.50E 44–1 2.8L
NIC XI 13 07 53 45.1 36.05N 31.83E 30–3 2.9L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XII 08 22 32 52.8–1.2 35.58N–.03 31.35E–.02 8–10 89 1-4
NIC XII 08 22 32 52.1 35.41N 31.21E 16–1 2.6L **¶621622859**
AFAD XII 08 22 32 53.8 35.63N 31.39E 6–1 2.3L
ISK XII 08 22 32 53.8 35.52N 31.42E 9–0 2.4L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC XII 05 00 23 20.1–1.1 35.46N–.02 31.74E–.02 27–12 158 1-6
ISK XII 05 00 23 19.1 35.45N 31.81E 8–0 3.3L **¶621613079**
NIC XII 05 00 23 21.1 35.55N 31.82E 24–0 2.6L
AFAD XII 05 00 23 22.4 35.70N 31.74E 32–0 2.7L
GII XII 05 00 23 22.9–.00 35.372N–.00 31.865E–.00 0 2.7
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XII 21 22 31 51.9–1.2 35.72N–.03 31.73E–.02 16–9 111 1-6
ISK XII 21 22 31 51.5 35.69N 31.78E 7–0 2.8L **¶621637434**
NIC XII 21 22 31 51.4 36.11N 32.28E 0–1 2.6L
AFAD XII 21 22 31 53.4 35.37N 30.92E 20–4 2.6L
GII XII 21 22 31 55.8–.00 35.532N–.00 32.012E–.00 0–0 2.7
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XII 29 00 17 29.4–1.1 35.56N–.03 33.85E–.05 20–8 48 0-3
ISK XII 29 00 17 31.8 35.67N 33.75E 18–1 2.7L **¶621656529**
NIC XII 29 00 17 32.8 35.30N 33.67E 61–2 1.7L
AFAD XII 29 00 17 34.0 35.95N 34.02E 7–2 1.8L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

(373) Dead Sea region.

ISC VIII 25 07 18 06.5–1.3 32.40N–.03 36.48E–.05 17–9 53 0-2
GII VIII 25 07 18 07.1–.00 32.451N–.01 36.48E–.01 0 2.6 **¶621261520**
JSO VIII 25 07 18 07.7 32.39N 36.43E 13 2.8
GRAL VIII 25 07 18 08.4–.38 32.30N 36.21E 14–4 3.2
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
JSO Dead Sea Region . LOCSAT solution with earthmodel iasp91 (with start solution, 29 stations used, weight 29):. RMS-ERR: 0.414.
GRAL Event type se. Error ellipse: s-maj=4.3km s-min=9.1km az=-1.0. Presumed earthquake.
ISC IX 25 23 01 55.9–.85 32.89N–.02 35.59E–.03 18–3 51 0-2
GII IX 25 23 01 56.6–.00 32.864N–.00 35.573E–.00 0–0 2.5 **¶621261538**

GRAL IX 25 23 01 57.4–.29 32.83N 35.63E 0–2 3.0
JSO IX 25 23 01 57.7 32.83N 35.56E 6 2.5
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GRAL Event type se. Error ellipse: s-maj=2.0km s-min=4.2km az=-1.0. Presumed earthquake.
JSO Dead Sea Region . LOCSAT solution with earthmodel iasp91 (with start solution, 11 stations used, weight 11):. RMS-ERR: 0.328.
GII XII 15 13 16 53.8–.00 30.51N–.02 35.165E–.00 0 1.4 ¶635753420
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.

(374) Jordan-Syria region.

ISC VII 08 21 10 11.2–.92 36.49N–.02 36.55E–.03 13–7 41 0-3
ISK VII 08 21 10 10.4 36.42N 36.58E 17–0 2.9L **¶621194250**
AFAD VII 08 21 10 11.5 36.54N 36.52E 7–3 3.1W
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC VII 09 03 10 27.1–1.5 33.80N–.03 36.67E–.06 3–11 87 0-4
GII VII 09 03 10 23.9–.00 34.101N–.00 36.554E–.00 0–0 3.0 **¶621261491**
GRAL VII 09 03 10 25.8–.22 33.77N 36.85E 5–2 3.3
JSO VII 09 03 10 27.1 33.77N 36.86E 0 3.9
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GRAL Event type se. Error ellipse: s-maj=0.8km s-min=2.3km az=-1.0. Presumed earthquake.
JSO Jordan/Syria Region . LOCSAT solution with earthmodel iasp91 (with start solution, 17 stations used, weight 17):. RMS-ERR: 1.528.
ISC VII 18 22 09 22.6–2.2 34.71N–.03 39.84E–.03 17–14 4.0b 241 2-83
MOS VII 18 22 09 19.6–1.1 34.67N 39.77E 8 4.4b **¶620833406**
GRAL VII 18 22 09 20.1–1.3 35.84N 39.62E 15–126 4.3
IDC VII 18 22 09 20.1–.72 34.68N 39.75E 0 3.8b,3.7
ISK VII 18 22 09 21.5 34.92N 39.67E 5–0 4.5L,3.7
DSN VII 18 22 09 21.9–.53 34.69N 39.99E 10 4.4b,3.7
NEIC VII 18 22 09 22.3–1.4 34.77N–.06 39.70E–.08 10–1 4.4b,3.7
MED_R VII 18 22 09 22.0 34.72N 39.75E 10 4.1W,3.7
AFAD VII 18 22 09 26.0 35.06N 39.70E 42–59 4.5W,3.7
ISC Event type ke.
MOS Error ellipse: s-maj=10.0km s-min=5.7km az=78.1.
GRAL Event type se. Error ellipse: s-maj=71.6km s-min=71.8km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.3km s-min=8.2km az=132.0.
ISK Event type ke.
DSN Error ellipse: s-maj=6.6km s-min=6.0km az=143.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.1km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-0.10±.13 $M_{\theta\theta}$-1.55±.10; $M_{\phi\phi}$0.00±.10; $M_{r\theta}$0.83±.31; $M_{\theta\phi}$-0.45±.10; $M_{\phi r}$-0.29±.34; NP1: ϕ_s215.00000°,δ64.00000°,λ-8.00000°. NP2:ϕ_s309.00000°,δ83.00000°,λ-154.00000°. Principal axes: T 1.8000,Plg13.0000°,Azm79.0000°; N 0.1500,Plg63.0000°,Azm322.0000° ; P -1.9500,Plg23.0000°,Azm175.0000° $M_0$1.88000×10^{15}
AFAD Event type se. Presumed earthquake.
ISC VIII 03 16 03 32.3–1.1 36.87N–.03 36.13E–.03 9–10 27 0-2
AFAD VIII 03 16 03 32.5 36.90N 36.16E 7–5 2.5L **¶621368109**
ISK VIII 03 16 03 32.3 36.87N 36.10E 10–0 2.0L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VII 26 07 55 15.4–1.2 35.16N–.02 36.66E–.05 5–11 39 1-3
ISK VII 26 07 55 15.7 35.15N 35.86E 7–0 2.5L **¶621195756**
AFAD VII 26 07 55 15.4 35.03N 36.60E 14–3 2.4L
GRAL VII 26 07 55 17.8–.31 35.05N 36.75E 0–1 2.9
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GRAL Event type se. Error ellipse: s-maj=3.7km s-min=4.6km az=-1.0. Presumed earthquake.
ISC IX 18 01 51 54.2–1.0 35.33N–.03 37.66E–.06 10 58 1-4
ISK IX 18 01 51 53.9 35.37N 37.61E 5–0 3.0L **¶621261533**
GRAL IX 18 01 51 54.9–.32 35.19N 37.86E 9–6 3.4
GII IX 18 01 51 57.8–.00 35.920N–.00 36.810E–.00 0 2.8
ISC Event type ke.
ISK Event type ke.
GRAL Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC IX 16 09 36 06.6–1.1 36.33N–.03 36.97E–.02 16–8 56 0-2
AFAD IX 16 09 36 05.4 36.27N 37.02E 21–1 2.9L **¶621818512**
ISK IX 16 09 36 08.1 36.44N 36.88E 10–0 2.5L
ISC Event type ke.
AFAD Event type se. Presumed earthquake.
ISK Event type ke.
ISC VIII 31 16 16 26.4–1.4 35.84N–.03 35.57E–.04 5–11 50 0-4
ISK VIII 31 16 16 26.2 36.02N 35.45E 5–0 2.3L **¶621261523**
AFAD VIII 31 16 16 26.7 35.80N 35.64E 4–3 2.1L
GII VIII 31 16 16 26.9–.00 35.781N–.01 36.159E–.00 0–0 2.3
GRAL VIII 31 16 16 27.9–.52 35.79N 35.37E 10–10 3.4
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GRAL Event type se. Error ellipse: s-maj=10.8km s-min=12.7km az=-1.0. Presumed earthquake.
ISC X 05 16 53 12.5–1.4 34.61N–.03 36.04E–.06 4–14 26 0-3
GRAL X 05 16 53 13.1–.56 34.65N 36.25E 5–2 3.0 **¶621819878**
ISK X 05 16 53 13.5 34.53N 35.97E 21–0 2.9L
ISC Event type ke.
GRAL Event type se. Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0. Presumed earthquake.
ISK Event type ke.
ISC IX 24 16 03 51.6–.95 36.18N–.03 36.09E–.05 15–7 29 0-2
ISK IX 24 16 03 49.9 36.11N 36.15E 13–0 2.8L **¶621818990**
AFAD IX 24 16 03 52.2 36.22N 36.06E 7–1 2.5L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 09 00 31 20.5–1.2 35.24N–.02 37.43E–.04 6–11 95 1-4
GII X 09 00 31 21.2–.00 35.388N–.00 37.557E–.00 0 2.9 **¶621820107**
ISK X 09 00 31 22.2 35.11N 37.11E 5–0 2.7L
GRAL X 09 00 31 23.1–1.1 35.38N 37.15E 0–8 3.5
AFAD X 09 00 31 25.0 35.33N 37.37E 34–8 2.8L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
GRAL Event type se. Error ellipse: s-maj=12.7km s-min=18.6km az=-1.0. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
ISC X 09 23 35 31.2–1.4 35.34N–.03 36.43E–.08 2–15 25 1-3
ISK X 09 23 35 33.8 35.43N 36.21E 7–0 2.2L **¶621820201**
GRAL X 09 23 35 33.2–.34 35.30N 36.50E 0–3 3.2
ISC Event type ke.
ISK Event type ke.
GRAL Event type se. Error ellipse: s-maj=4.1km s-min=7.4km az=-1.0. Presumed earthquake.
ISC X 17 18 22 51.4–.94 36.95N–.02 36.76E–.02 10–8 96 0-4
ISK X 17 18 22 50.6 36.92N 36.74E 2–0 3.1L **¶621820707**
AFAD X 17 18 22 51.3 36.97N 36.75E 8–3 3.5W
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC X 14 04 26 31.0–.82 33.11N–.03 35.45E–.03 15–5 53 0-3
JSO X 14 04 26 30.0 33.16N 35.39E 3 2.6 **¶625388212**
GII X 14 04 26 30.9–.00 33.097N–.00 35.459E–.00 0–0 2.0
GRAL X 14 04 26 31.3–.28 33.09N 35.39E 4–3 2.6
ISC Event type ke.
JSO Jordan/Syria Region . LOCSAT solution with earthmodel iasp91 (with start solution, 6 stations used, weight 6):. RMS-ERR: 0.022.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GRAL Event type se. Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0. Presumed earthquake.
ISC X 14 19 01 05.6–1.2 35.38N–.02 36.53E–.05 11–11 35 1-3
AFAD X 14 19 01 07.4 35.40N 36.48E 7–2 2.2L **¶625008391**
GRAL X 14 19 01 07.8–.43 35.35N 36.55E 0–4 2.9
ISC Event type se.
AFAD Event type se. Presumed earthquake.
GRAL Event type se. Error ellipse: s-maj=3.2km s-min=6.1km az=-1.0. Presumed earthquake.
ISC X 25 21 23 17.4–.93 33.93N–.02 35.34E–.04 32–7 67 0-3
GII X 25 21 23 16.6–.00 33.911N–.01 35.189E–.00 0–0 2.4 **¶621241207**
GRAL X 25 21 23 17.7–.39 33.93N 35.31E 31–1 3.2
NIC X 25 21 23 19.1 34.71N 35.54E 39–25 2.1L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
GRAL Event type se. Error ellipse: s-maj=1.9km s-min=4.3km az=-1.0. Presumed earthquake.
ISC X 28 16 12 21.3–1.1 36.89N–.02 36.01E–.02 6–10 112 0-5
ISK X 28 16 12 21.9 36.82N 35.97E 6–0 3.4L **¶621243343**
NIC X 28 16 12 23.9 36.72N 36.05E 20–31 3.2L
AFAD X 28 16 12 23.4 36.83N 36.00E 8–1 3.6W
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
ISC XI 16 04 37 03.9–1.2 32.15N–.04 37.06E–.03 11–9 59 0-3
GII XI 16 04 37 02.3–.00 32.177N–.00 37.110E–.00 0 2.6 **¶625301143**
JSO XI 16 04 37 03.8 32.18N 37.04E 4 3.0
SGS XI 16 04 37 13.7 31.76N 37.55E 18 2.2L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
JSO Jordan/Syria Region . LOCSAT solution with earthmodel iasp91 (with start solution, 28 stations used, weight 28):. RMS-ERR: 0.470.
ISC XII 19 08 51 33.1–1.0 33.65N–.02 35.39E–.04 14–9 76 0-5
JSO XII 19 08 51 32.1 33.65N 35.30E 0 3.6 **¶621824898**
GII XII 19 08 51 32.8–.00 33.67N–.02 35.428E–.01 0 3.0
ISK XII 19 08 51 33.5 33.73N 35.44E 25–0 3.0L
GRAL XII 19 08 51 34.2–.61 33.61N 35.40E 15–4 3.2
ISC Event type ke.
JSO Jordan/Syria Region . LOCSAT solution with earthmodel iasp91 (with start solution, 12 stations used, weight 12):. RMS-ERR: 0.362.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISK Event type ke.
GRAL Event type se. Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0. Presumed earthquake.
ISC XII 23 23 21 18.3–3.3 34.89N–.07 38.88E–.07 13–27 38 2-6
ISK XII 23 23 21 13.7 34.66N 39.01E 5–0 3.3L **¶621825180**
AFAD XII 23 23 21 21.0 35.33N 38.94E 4–62 3.2L
ISC Event type ke.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.

(375) Iraq.

ISC IX 24 23 43 10.1–1.3 36.62N–.03 42.40E–.03 1–8 4.1b,3.5s 235 0-82
MOS IX 24 23 43 09.2–1.4 36.48N 42.35E 12 4.5b,3.5s **¶621109876**
ISN IX 24 23 43 09.6–.37 36.66N 42.35E 7–2 4.3L,3.5s
IDC IX 24 23 43 10.0–.75 36.66N 42.33E 0 3.8b,3.8
ISK IX 24 23 43 10.7 36.59N 42.45E 3–0 4.3L,3.8
AFAD IX 24 23 43 11.0 36.71N 42.31E 17–1 4.3W,3.8
NEIC IX 24 23 43 12.4–1.9 36.72N–.03 42.40E–.03 10–1 4.4b,3.8
GII IX 24 23 43 13.2–.00 36.60N 42.32E 0 4.3,3.8
DSN IX 24 23 43 14.3–1.6 36.45N 42.63E 30 4.5b,3.8
ISC Event type ke.
MOS Error ellipse: s-maj=8.7km s-min=4.7km az=80.3.
ISN Event type se. Error ellipse: s-maj=4.9km s-min=3.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=17.6km s-min=7.8km az=135.0.
ISK Event type ke.
AFAD Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
DSN Error ellipse: s-maj=28.6km s-min=7.8km az=84.0.
ISC VIII 23 10 00 59.8–.95 35.24N–.06 44.68E–.05 10 12 0-3
ISN VIII 23 10 00 58.1–.33 35.30N 44.78E 10–999 2.9L **¶622122844**
TEH VIII 23 10 01 01.2 35.24N 44.79E 10 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC VIII 31 19 18 45.3–1.4 35.92N–.05 44.36E–.08 10 12 1-3
ISN VIII 31 19 18 45.1–.56 35.88N 44.48E 6–4 2.8L **¶622122852**
TEH VIII 31 19 18 46.4 35.91N 44.50E 8 2.5L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=4.5km s-min=9.4km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC IX 06 00 56 52.0–2.0 36.33N–.07 41.30E–.06 9–12 26 1-3
ISN IX 06 00 56 51.7–.97 36.33N 41.30E 19–7 2.6L **¶622122854**
AFAD IX 06 00 56 51.3 36.31N 41.30E 8–2 2.6L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=0.2km s-min=11.0km az=-1.0. Presumed earthquake.
AFAD Event type se. Presumed earthquake.
ISC IX 29 02 40 36.4–.77 36.90N–.06 42.49E–.06 10 24 1-31
ISN IX 29 02 40 35.0–.60 36.96N 42.57E 10–2 3.7L **¶621146351**
ISK IX 29 02 40 37.2 36.62N 42.39E 5–0 3.9L
IDC IX 29 02 40 39.5–1.9 36.82N 42.27E 0 3.6b,3.5L
ISC Event type ke.
ISN Event type se. Error ellipse: s-maj=6.3km s-min=9.1km az=-1.0. Presumed earthquake.
ISK Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=16.5km az=142.0.
ISC X 05 11 36 01.5–.94 35.83N–.03 44.39E–.05 10 19 0-4
ISN X 05 11 36 00.9–.41 35.80N 44.38E 5–1 3.4L **¶622122890**
TEH X 05 11 36 01.4 35.82N 44.48E 9 3.4L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XI 11 14 02 26.9–.96 35.74N–.05 44.87E–.05 10 13 1-3
ISN XI 11 14 02 22.6–.53 35.84N 45.06E 9–2 2.7L **¶622122911**
TEH XI 11 14 02 30.5 35.87N 45.15E 10 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.3km s-min=3.2km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 02 18 06 31.7–1.7 35.56N–.03 44.71E–.04 7–14 25 0-4
ISN XII 02 18 06 28.6–.40 35.68N 44.90E 7–3 3.4L **¶622122921**
TEH XII 02 18 06 31.1 35.63N 44.83E 8 3.4L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.7km s-min=2.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 12 23 53 59.8–.96 35.77N–.04 44.50E–.05 10 17 0-3
ISN XII 12 23 53 57.4–.51 35.84N 44.58E 9–2 2.6L **¶622122930**
TEH XII 12 23 54 00.9 35.77N 44.66E 10 2.6L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 25 20 34 36.3–2.1 35.37N–.04 44.68E–.04 1–21 19 0-4
ISN XII 25 20 34 36.4–.36 35.49N 44.78E 8–2 2.9L **¶622122940**

TEH XII 25 20 34 37.1 35.49N 44.80E 10 2.9L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=1.5km s-min=2.3km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.
ISC XII 26 20 49 30.6–2.0 34.31N–.05 44.80E–.06 15–16 15 1-3
ISN XII 26 20 49 27.2–.44 34.32N 44.83E 6–5 2.7L **¶622122941**
TEH XII 26 20 49 28.0 34.32N 44.83E 20 2.7L
ISC Event type se.
ISN Event type se. Error ellipse: s-maj=0.9km s-min=7.9km az=-1.0. Presumed earthquake.
TEH Event type se. Presumed earthquake.

SEISMIC REGION 31.
Western Mediterranean Area.

(376) Portugal.

INMG VII 08 01 21 32.6–1.0 41.00N 8.00W 2 1.1L
MDD VII 08 01 21 31.0–.38 40.97N 8.05W 8–6 1.7 **¶621741835**
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=89.0. #DIST_RANGE: LOCAL #IPMA_REGION: SE Cinfes.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=90.0.
ISC VII 09 02 45 11.4–.90 38.80N–.01 8.71W–.01 19–2 234 0-8
MDD VII 09 02 45 10.4–.29 38.84N 8.70W 2–1 3.2 **¶620783825**
SFS VII 09 02 45 11.7 38.84N 8.75W 6 3.8L,3.6L
IGIL VII 09 02 45 12.7 38.81N 8.74W 19 3.0L,3.6L
INMG VII 09 02 45 12.4–1.7 38.81N 8.73W 21–1 2.9L,3.6L
CNRM VII 09 02 45 15.7 38.45N 8.17W 10 2.9L,3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=93.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=87.0. #DIST_RANGE: LOCAL #IPMA_REGION: SE Benavente #FELT: III (MM56) at Benavente (Santarm).
INMG XI 05 03 10 43.0–.79 37.34N 8.54W 12–5 0.7L
¶624814896
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=123.0. #DIST_RANGE: LOCAL #IPMA_REGION: NE Monchique.
ISC VII 27 00 36 00.0–.92 38.49N–.01 7.37W–.01 16–8 187 0-8
CNRM VII 27 00 36 00.2 38.41N 7.57W 14 **¶620847113**
MDD VII 27 00 36 00.8–.18 38.48N 7.38W 8–1 2.9
SFS VII 27 00 36 01.2 38.47N 7.40W 0 2.9L,2.8
IGIL VII 27 00 36 01.0 38.48N 7.38W 8 2.3L,2.8
INMG VII 27 00 36 01.0–2.0 38.48N 7.38W 8–2 2.5L,2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=138.0.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=83.0. #DIST_RANGE: LOCAL #IPMA_REGION: NW Mouro #FELT: III (MM56) at Alandroal (vora).
INMG VIII 15 03 47 43.9–1.6 41.21N 8.48W 21–2 2.0L
MDD VIII 15 03 47 43.8–.37 41.20N 8.44W 16–2 2.5 **¶622087405**
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=1.3km az=97.0. #DIST_RANGE: LOCAL #IPMA_REGION: NE Valongo #FELT: II/III (MM56) at Gondomar (Porto).
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=83.0.
ISC XII 08 20 33 19.4–1.2 41.67N–.03 8.58W–.05 14–10 27 0-2
MDD XII 08 20 33 19.8–.75 41.68N 8.55W 20 2.5 **¶624815007**
INMG XII 08 20 33 20.4–1.3 41.69N 8.55W 11–3 1.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.2km az=64.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=1.8km az=77.0. #DIST_RANGE: LOCAL #IPMA_REGION: SE Ponte de Lima.

(377) Spain.

ISC VII 02 02 25 46.7–.94 37.06N–.01 4.48W–.01 18–4 343 0-7
MDD VII 02 02 25 47.9–.16 37.03N 4.47W 9–1 3.4 **¶620682312**
SFS VII 02 02 25 47.9 37.06N 4.50W 5 3.9L,3.7L
IGIL VII 02 02 25 48.4 37.03N 4.47W 9 3.9L,3.7L
INMG VII 02 02 25 48.5–1.4 37.06N 4.45W 14–1 3.4L,3.7L
CNRM VII 02 02 25 51.0 36.92N 4.63W 31 2.8L,3.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=169.0.
INMG Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=5.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NW Malaga (ESP).
ISC VII 02 12 45 14.7–1.0 38.56N–.02 6.18W–.02 13–9 125 1-6
CNRM VII 02 12 45 15.5 38.33N 6.23W 10 **¶620714065**
SFS VII 02 12 45 15.3 38.56N 6.21W 10 3.1L,2.9L
MDD VII 02 12 45 16.4–.28 38.53N 6.23W 0 3.1,2.9L
IGIL VII 02 12 45 17.7 38.55N 6.23W 11 3.1,2.9L
INMG VII 02 12 45 17.1–1.6 38.55N 6.23W 11–3 2.6L,2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=12.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=80.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Mrida (ESP).
MRB VII 03 01 49 12.7–.20 41.76N 2.77E 8–2 0.8L
MDD VII 03 01 49 12.4–.58 41.75N 2.80E 12–2 1.3 **¶626529415**
MRB Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=118.0.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=122.0.
MRB VII 03 01 49 15.1–.20 41.79N 2.74E 8–2 0.9L
MDD VII 03 01 49 15.5–.34 41.78N 2.72E 8–2 1.5 **¶625196163**
MRB Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=116.0.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=128.0.
MDD VII 19 00 35 58.0–.33 37.12N 4.03W 12–2 1.4
¶625024606
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=177.0.
ISC VII 30 09 29 10.1–1.1 38.89N–.02 2.85W–.02 27–13 148 1-5
MDD VII 30 09 29 09.2–.14 38.91N 2.87W 7–1 3.5 **¶620912096**
INMG VII 30 09 29 10.4–1.6 38.88N 2.87W 20–2 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=94.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=12.0. #DIST_RANGE: REGIONAL #IPMA_REGION: W Albacete (ESP).
MDD VII 26 03 26 55.7–.69 37.70N 1.37W 5–14 1.2
¶625196525
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=44.0.
MDD VIII 09 01 07 36.4–.41 37.23N 3.71W 0 0.6
¶625043051
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=48.0.
ISC VIII 01 19 52 54.3–.78 37.82N–.02 1.30W–.02 10–4 170 0-7
IGIL VIII 01 19 52 54.7 37.83N 1.30W 0 **¶620925737**
INMG VIII 01 19 52 55.2–1.4 37.82N 1.30W 7–1 2.9L
MDD VIII 01 19 52 55.4–.17 37.83N 1.30W 0 3.2
SFS VIII 01 19 52 55.2 37.84N 1.25W 3 3.8b,3.6L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=160.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Murcia (ESP).
MDD Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=145.0.
ISC VIII 12 17 46 24.2–1.1 42.21N–.02 8.11W–.03 17–9 60 0-5
INMG VIII 12 17 46 26.1–1.5 42.22N 8.09W 20–3 2.4L **¶622087382**
MDD VIII 12 17 46 26.0–.29 42.22N 8.14W 20 2.8
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=1.6km az=86.0. #DIST_RANGE: LOCAL #IPMA_REGION: NE Melgaco.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=88.0.
MDD VIII 09 20 41 49.0–.32 37.14N 3.59W 8–2 1.6
¶625043149
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=117.0.
ISC VIII 12 21 25 11.4–.51 37.16N–.01 3.79W–.01 11–3 4.5b 989 0-151
BGR VIII 12 21 25 04.6–3.2 36.36N 4.33W 10 4.0b **¶620984549**
IDC VIII 12 21 25 09.5–.72 37.26N 3.91W 0 4.1,4.0L
CNRM VIII 12 21 25 11.7 37.06N 3.81W 10 4.1L,4.0L
MOS VIII 12 21 25 11.2–1.3 37.37N 3.90W 11 4.7b,4.0L
NEIC VIII 12 21 25 12.0–2.2 37.19N–.07 3.75W–.07 10–1 4.6b,4.0L
MDD VIII 12 21 25 12.1–.11 37.17N 3.79W 0 4.6,4.0L
IGIL VIII 12 21 25 12.7 37.17N 3.79W 2 4.6,4.0L
GFZ VIII 12 21 25 12.4–.31 37N–3.0 4W–2.0 10 4.3b,4.3
SFS VIII 12 21 25 12.6 37.16N 3.77W 0 4.8b,4.8L
INMG VIII 12 21 25 12.1–1.6 37.15N 3.78W 1–1 4.4L,4.8L
LDG VIII 12 21 25 13.7–.14 37.12N 3.79W 10 4.6L,4.6
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=134.0km s-min=96.7km az=30.0.
IDC Error ellipse: s-maj=16.6km s-min=12.4km az=110.0.
MOS Error ellipse: s-maj=8.5km s-min=2.6km az=58.4.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.4km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MDD Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=154.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
INMG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=168.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NW Granada (ESP).
LDG Event type ke.
ISC VIII 12 11 06 06.8–.95 42.23N–.02 8.09W–.03 26–8 111 0-20
SFS VIII 12 11 06 06.3 42.09N 8.17W 0 3.7L,3.7L **¶620983526**
INMG VIII 12 11 06 07.5–1.5 42.21N 8.09W 24–2 2.9L,3.7L
MDD VIII 12 11 06 07.6–.30 42.20N 8.13W 25–3 3.3,3.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=1.6km az=93.0. #DIST_RANGE: LOCAL #IPMA_REGION: NE Melgaco #FELT: II (MM56) at A. Valdevez (Viana do Castelo).
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=104.0.
ISC VIII 12 19 31 20.4–.76 42.21N–.02 8.09W–.03 16 110 0-6
SFS VIII 12 19 31 21.2 42.22N 8.19W 18 4.9,4.8L **¶620984524**
INMG VIII 12 19 31 22.3–1.7 42.22N 8.08W 21–3 2.8L,4.8L
MDD VIII 12 19 31 22.4–.29 42.22N 8.19W 31 3.1,4.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=86.0. #DIST_RANGE: LOCAL #IPMA_REGION: NE Melgaco.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=96.0.
ISC VIII 12 19 45 17.6–1.3 42.20N–.02 8.08W–.03 17–3 45 0-4
INMG VIII 12 19 45 19.5–1.7 42.22N 8.07W 21–3 2.4L **¶622087383**
MDD VIII 12 19 45 19.5–.35 42.22N 8.12W 28 2.8
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=1.7km az=83.0. #DIST_RANGE: LOCAL #IPMA_REGION: NE Melgaco.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=73.0.
ISC VIII 12 19 46 08.0–1.2 42.20N–.02 8.10W–.04 16–9 42 0-4
INMG VIII 12 19 46 09.6–1.1 42.22N 8.08W 18–2 2.4L **¶622087386**
MDD VIII 12 19 46 09.6–.35 42.21N 8.12W 23 2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.3km az=82.0. #DIST_RANGE: LOCAL #IPMA_REGION: NE Melgaco.
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=71.0.
MDD VIII 19 14 01 24.4–.89 37.22N 3.74W 15–6 1.2
¶625044103
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=0.0.
ISC VIII 12 22 12 26.5–.97 42.24N–.02 8.13W–.03 26–10 93 0-5
MDD VIII 12 22 12 26.4–.25 42.20N 8.07W 12 2.7 **¶622087388**
INMG VIII 12 22 12 27.2–1.7 42.22N 8.07W 22–2 2.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=103.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=1.7km az=94.0. #DIST_RANGE: LOCAL #IPMA_REGION: NE Melgaco #FELT: III (MM56) at Melgaco (Viana do Castelo).
MDD VIII 13 05 54 28.9–.23 37.16N 3.78W 0 2.5
INMG VIII 13 05 54 28.9–1.5 37.16N 3.78W 0–4 1.9L **¶622087391**
MDD Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=144.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=65.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NW Granada (ESP).
ISC VIII 17 03 31 31.6–.98 42.25N–.02 8.09W–.03 25–9 113 0-6
SFS VIII 17 03 31 30.4 42.25N 8.19W 13 3.9L,3.8 **¶620990416**
INMG VIII 17 03 31 32.5–1.6 42.22N 8.11W 23–2 2.9L,3.8
MDD VIII 17 03 31 32.2–.28 42.21N 8.08W 18 3.3,3.8
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=1.8km az=90.0. #DIST_RANGE: LOCAL #IPMA_REGION: NE Melgaco #FELT: III/IV (MM56) at Melgaco (Viana do Castelo).
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=86.0.
ISC IX 03 17 52 14.7–.98 42.12N–.02 7.50W–.02 13–8 98 0-5
MDD IX 03 17 52 15.4–.30 42.11N 7.52W 4–2 3.2 **¶621030445**
IGIL IX 03 17 52 15.2 42.15N 7.49W 3 3.2
INMG IX 03 17 52 16.2–2.1 42.13N 7.56W 13–5 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=121.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=93.0. #DIST_RANGE: LOCAL #IPMA_REGION: SE Ourense (ESP).
MDD VIII 29 07 38 28.2–1.6 37.19N 3.74W 22–11 1.1
¶625044959
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=10.0.
ISC VIII 29 23 04 33.1–1.3 38.13N–.03 0.05E–.03 7–9 3.6b,3.1s 206 1-82
MDD VIII 29 23 04 32.8–.43 38.10N 0.16E 7–2 3.8,3.1s **¶621010107**
INMG VIII 29 23 04 33.3–1.4 38.10N 0.14E 12–3 3.5L,3.1s
SFS VIII 29 23 04 33.3 38.13N 0.12E 5 4.1L,4.0
IDC VIII 29 23 04 33.0–.70 38.21N 0.01E 0 3.6b,3.6
GFZ VIII 29 23 04 35.0–.34 38N–5.0 0W–3.0 10 3.8b,3.8
CNRM VIII 29 23 04 50.0 37.42N 1.52W 10 2.8L,3.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=1.7km az=135.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=2.0km az=113.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Spain.
IDC Error ellipse: s-maj=13.3km s-min=9.8km az=1.0.
GFZ Error ellipse: s-maj=10.7km s-min=4.8km az=155.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 03 17 53 38.9–.00 42.13N–.02 7.48W–.02 16–9 40 1-3
INMG IX 03 17 53 39.9–1.4 42.13N 7.49W 4 2.4L **¶621030447**
MDD IX 03 17 53 40.1–.34 42.13N 7.51W 0 2.9
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=82.0. #DIST_RANGE: LOCAL #IPMA_REGION: SE Ourense (ESP).
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.6km az=33.0.
MDD IX 06 00 35 31.5–.48 37.34N 2.52W 1 1.2
¶625045626
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=13.0.
ISC X 12 02 50 46.4–.99 38.23N–.01 1.18W–.02 8–8 227 0-25
SFS X 12 02 50 46.4 38.23N 1.08W 0 4.2b,3.9L **¶631348614**
MDD X 12 02 50 47.6–.16 38.20N 1.13W 2–1 3.4,3.9L
INMG X 12 02 50 48.0–2.3 38.12N 1.08W 21–4 3.3L,3.9L
IDC X 12 02 50 48.0–1.4 38.27N 1.24W 0 3.5b,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=122.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.6km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Murcia (ESP).
IDC Error ellipse: s-maj=26.1km s-min=13.2km az=34.0.
MDD IX 14 01 21 06.3–.69 37.15N 3.58W 7–6 1.2
¶625046230
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=110.0.
MRB X 09 18 18 07.8–.50 41.85N 2.68E 7–14 0.3L
MDD X 09 18 18 07.9–1.0 41.86N 2.67E 8–17 1.1 **¶625199842**
MRB Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=263.0.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=156.0.
ISC IX 06 17 35 18.5–1.1 42.84N–.02 7.29W–.02 6–10 97 0-6
SFS IX 06 17 35 17.8 42.93N 7.38W 0 3.9L,3.8 **¶621883359**
MDD IX 06 17 35 20.0–.27 42.89N 7.36W 0 3.4,3.8
INMG IX 06 17 35 20.4–2.1 42.78N 7.26W 0–6 3.0L,3.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=161.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=130.0. #DIST_RANGE: LOCAL #IPMA_REGION: SE Lugo (ESP).
INMG IX 06 17 48 40.8–1.9 42.78N 7.28W 0–7 1.9L
¶621883364

INMG Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=86.0. #DIST_RANGE: LOCAL #IPMA_REGION: SE Lugo (ESP).
MDD IX 06 17 48 47.7–1.2 43.49N 7.19W 19–4 2.4
¶635706681
MDD Event type ke. Error ellipse: s-maj=11.7km s-min=4.6km az=149.0.
MDD IX 22 17 50 03.2–1.5 37.08N 3.59W 20–9 1.2
¶625199147
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=100.0.
ISC IX 27 05 52 52.3–.80 42.26N–.02 8.52W–.03 10 43 0-4
INMG IX 27 05 52 53.6–1.2 42.23N 8.54W 15–2 1.9L **¶621883440**
MDD IX 27 05 52 53.5–.41 42.24N 8.50W 11–0 2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=1.3km az=84.0. #DIST_RANGE: LOCAL #IPMA_REGION: E Vigo (ESP).
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=88.0.
ISC X 15 05 13 12.7–.95 38.21N–.02 1.16W–.02 13–8 113 0-6
SFS X 15 05 13 13.2 38.21N 1.13W 2 3.8b,3.2L **¶625200237**
MDD X 15 05 13 14.3–.18 38.19N 1.18W 1–2 2.4,3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=130.0.
ISC X 19 17 43 31.2–.87 37.00N–.01 5.28W–.01 17–6 4.0b,3.6s 352 0-63
IDC X 19 17 43 28.4–2.3 36.99N 5.55W 0 3.9b,3.8 **¶621217280**
NEIC X 19 17 43 31.6–1.4 37.04N–.06 5.27W–.07 15–2 4.0b,3.8
IGIL X 19 17 43 31.9 37.03N 5.31W 1 4.0b,3.8
MDD X 19 17 43 32.0–.14 36.99N 5.28W 10 4.1,3.8
SFS X 19 17 43 32.3 36.97N 5.28W 8 4.3L,4.2
INMG X 19 17 43 32.2–2.1 36.97N 5.30W 12–2 3.9L,4.2
CNRM X 19 17 43 33.8–.40 36.87N 5.44W 65–16 3.9L,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=32.2km s-min=20.7km az=89.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=4.8km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IGIL Event type se. Presumed earthquake.
MDD Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=175.0.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=170.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Sevilha (ESP).
CNRM Error ellipse: s-maj=3.9km s-min=3.1km az=101.0.
ISC X 15 17 41 45.0–.88 38.19N–.01 1.16W–.02 18–6 277 0-15
IDC X 15 17 41 45.4–1.7 38.41N 1.08W 0 3.4,2.8L **¶621203272**
IGIL X 15 17 41 45.6 38.18N 1.15W 3 3.4,2.8L
MDD X 15 17 41 45.7–.14 38.18N 1.15W 3–1 3.6,2.8L
CNRM X 15 17 41 45.2–1.6 38.11N 1.05W 20 3.6,2.8L
SFS X 15 17 41 45.1 38.21N 1.10W 4 3.9L,3.8
INMG X 15 17 41 45.7–1.8 38.19N 1.15W 7–1 3.5L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=12.1km az=19.0.
IGIL Event type se. Presumed earthquake.
MDD Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=135.0.
CNRM Error ellipse: s-maj=21.5km s-min=5.0km az=67.0.
INMG Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=105.0. #DIST_RANGE: REGIONAL #IPMA_REGION: N Murcia (ESP).
ISC XII 02 03 44 06.1–1.1 43.11N–.02 2.03W–.02 11–9 73 0-6
LDG XII 02 03 44 08.2–.09 43.10N 2.00W 5 2.8L,2.6 **¶621823905**
MDD XII 02 03 44 08.6–.30 43.07N 2.02W 0–2 2.8,2.6
INMG XII 02 03 44 08.5–1.5 43.06N 2.11W 0–5 2.1L,2.6
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=165.0.
MDD Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=161.0.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=3.1km az=9.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW San Sebastian (ESP).
CNRM X 20 10 29 06.6–.41 37.28N 6.34W 2–2
¶626575605
CNRM Error ellipse: s-maj=2.7km s-min=1.4km az=47.0.
ISC XI 10 00 00 00.6–1.1 42.35N–.03 9.46W–.05 14 107 1-6
MDD XI 10 00 00 01.3–.68 42.31N 9.42W 6–3 2.8 **¶621611844**
SFS XI 10 00 00 02.9 42.38N 9.47W 33 3.7L,3.7
INMG XI 10 00 00 04.0–1.3 42.40N 9.35W 24–2 2.1L,3.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=101.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=1.6km az=91.0. #DIST_RANGE: LOCAL #IPMA_REGION: Costa da Galiza (ESP).
ISC XII 11 09 40 08.8–1.1 42.25N–.03 8.05W–.04 23–11 35 0-4
MDD XII 11 09 40 09.2–.34 42.22N 8.06W 27–5 2.9 **¶621627407**
INMG XII 11 09 40 09.6–1.8 42.24N 8.05W 18–5 2.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=85.0.
INMG Event type ke. Error ellipse: s-maj=6.3km s-min=2.5km az=71.0. #DIST_RANGE: LOCAL #IPMA_REGION: SW Ourense (ESP).
ISC XII 21 18 23 57.8–1.4 43.27N–.04 9.00W–.06 24–9 166 0-11
LDG XII 21 18 23 58.8–.54 43.25N 9.04W 5 3.8,3.7L **¶621636637**
MDD XII 21 18 23 58.6–.36 43.21N 8.98W 10–0 3.5,3.7L
SFS XII 21 18 23 58.4 43.09N 9.20W 0 4.3L,4.3
INMG XII 21 18 24 00.9–1.2 43.13N 8.86W 8–2 3.1L,4.3
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=12.7km s-min=6.0km az=105.0.
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=121.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=1.6km az=118.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NW Santiago Compostela (E.

(378) Pyrenees.

ISC VII 12 15 07 38.2–.74 43.00N–.01 0.15E–.01 15–4 172 0-4
MRB VII 12 15 07 38.4–.40 43.00N 0.16E 5–3 1.8L **¶620982897**
STR VII 12 15 07 38.4–.01 42.98N–.07 0.13E–.05 8–0 2.1
LDG VII 12 15 07 38.1–.05 42.98N 0.16E 10 2.7L,2.3
MDD VII 12 15 07 38.5–.25 43.00N 0.16E 4–4 2.4,2.3
ISC Event type ke.
MRB Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=209.0.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=50.0.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=15.0.
ISC VII 12 20 24 30.2–.89 42.85N–.02 1.08W–.02 10–7 76 0-5
STR VII 12 20 24 29.7–.02 42.8N–.10 1.08W–.09 6–0 2.3 **¶620982899**
LDG VII 12 20 24 30.0–.13 42.84N 1.06W 2 3.1,2.7L
MDD VII 12 20 24 30.7–.19 42.84N 1.10W 0 2.5,2.7L
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=50.0.
MDD Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=174.0.
ISC VII 15 00 48 09.0–.91 43.05N–.02 0.68W–.01 3–7 106 0-5
STR VII 15 00 48 08.8–.01 43.02N–.08 0.70W–.06 2 2.0 **¶620982915**
MDD VII 15 00 48 09.7–.19 43.05N 0.68W 0 2.3
LDG VII 15 00 48 09.0–.08 43.04N 0.68W 2 2.7,2.5L
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
MDD Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=2.0.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=14.0.
ISC IX 21 02 10 06.7–.77 42.93N–.01 0.21E–.01 10–4 200 0-5
MRB IX 21 02 10 06.7–.30 42.91N 0.20E 4–2 1.5L **¶621140530**
LDG IX 21 02 10 06.5–.06 42.93N 0.19E 2 2.5L,2.5
STR IX 21 02 10 06.4–.01 42.90N–.04 0.20E–.03 2–0 2.0,2.5
MDD IX 21 02 10 07.6–.21 42.92N 0.17E 0 2.3,2.5
ISC Event type ke.
MRB Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=33.0.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=165.0.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=16.0.
STR IX 12 02 41 48.5–.01 42.71N–.07 2.04E–.06 10–0 1.0
LDG IX 12 02 41 47.9–.06 42.70N 2.04E 11 1.8,1.5L **¶621140315**
MDD IX 12 02 41 48.3–.32 42.72N 2.05E 11–0 1.4,1.5L
MRB IX 12 02 41 48.7–.50 42.71N 2.03E 9–2 0.5L,1.5L
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=177.0.
MDD Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=32.0.
MRB Event type ke. Error ellipse: s-maj=1.2km s-min=1.2km az=206.0.
ISC VIII 23 01 05 10.4–.74 43.12N–.01 0.78W–.01 14–4 272 0-8
STR VIII 23 01 05 11.1–.01 43.1N–.20 0.78W–.10 4–0 2.9 **¶620999717**
INMG VIII 23 01 05 12.2–1.5 43.04N 0.81W 3 2.7L
MDD VIII 23 01 05 12.3–.15 43.05N 0.78W 0 3.2
LDG VIII 23 01 05 12.0–.06 43.10N 0.75W 2 3.2L,2.2
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=17.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Pireneus (ESP).
MDD Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=1.0.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=124.0.
ISC VIII 17 06 37 43.5–.87 42.85N–.02 1.10W–.01 10–7 86 0-4
LDG VIII 17 06 37 43.2–.13 42.85N 1.10W 10 2.7L,2.3 **¶621039122**
STR VIII 17 06 37 43.5–.01 42.9N–.10 1.09W–.08 14–0 2.1,2.3
MDD VIII 17 06 37 44.0–.17 42.84N 1.10W 0 2.4,2.3
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=40.0.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
MDD Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=176.0.
ISC X 08 09 43 41.7–.70 42.42N–.01 2.32E–.01 13–4 476 0-29
IDC X 08 09 43 41.7–1.1 42.35N 2.35E 0 3.9L,3.8 **¶621134201**
MRB X 08 09 43 42.4–.60 42.41N 2.32E 5–3 3.4L,3.8
STR X 08 09 43 42.2–.01 42.4N–.10 2.34E–.06 7–0 3.6,3.8
MDD X 08 09 43 43.3–.15 42.39N 2.33E 0 3.8,3.8
LDG X 08 09 43 43.1–.07 42.39N 2.31E 2 4.0L,3.6
INMG X 08 09 43 43.0–1.5 42.41N 2.32E 4–2 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=10.6km az=143.0.
MRB Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=220.0.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
MDD Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=28.0.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=115.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=56.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Pireneus (ESP).
ISC IX 24 10 04 22.9–.74 43.10N–.01 0.15W–.01 17–4 234 0-6
LDG IX 24 10 04 23.7–.07 43.07N 0.16W 5 3.2L,3.1 **¶621140569**
STR IX 24 10 04 23.8–.01 43.03N–.08 0.15W–.04 9–0 2.6,3.1
MRB IX 24 10 04 24.0–.50 43.03N 0.17W 5–3 2.6L,3.1
MDD IX 24 10 04 25.2–.20 43.02N 0.16W 0 2.8,3.1
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=20.0.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
MRB Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=194.0.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.3km az=7.0.
ISC X 11 08 23 14.2–.67 42.55N–.01 1.45E–.01 14–3 533 0-132
IDC X 11 08 23 14.5–.95 42.51N 1.48E 0 4.1L,3.9 **¶621144635**
MRB X 11 08 23 15.1–.70 42.53N 1.44E 5–2 3.6L,3.9
LDG X 11 08 23 15.6–.05 42.53N 1.44E 2 4.4L,3.9
MDD X 11 08 23 15.7–.15 42.52N 1.45E 0 3.9,3.9
INMG X 11 08 23 15.5–1.9 42.53N 1.44E 4 3.5L,3.9
STR X 11 08 23 15.0–.01 42.55N–.09 1.43E–.04 2–0 3.8,3.9
ISC Event type ke.
MRB Event type ke.
LDG Event type ke.
MDD Event type ke.
INMG Event type ke. #DIST_RANGE: REGIONAL #IPMA_REGION: Pireneus (ESP).
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
STR X 09 18 17 36.2–.05 42.8N–.50 0.5E–.20 16–0 1.5
¶635806523
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
ISC XII 23 15 58 33.1–.84 42.83N–.02 1.07W–.02 16–6 70 0-6
STR XII 23 15 58 33.9–.05 42.8N–.30 1.0W–.20 2–0 1.9 **¶621825097**
LDG XII 23 15 58 33.3–.15 42.79N 1.09W 5 2.5L,2.4
MDD XII 23 15 58 33.7–.25 42.84N 1.08W 1–2 2.2,2.4
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=30.0.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=168.0.
STR X 11 04 26 14.0–.01 42.94N–.09 0.18E–.10 0 0.6
¶626068553
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
STR X 11 04 26 16.8–.01 42.9N–.10 0.16E–.10 0 0.6
¶626068550
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
ISC X 11 20 45 24.3–.77 42.89N–.02 1.54W–.01 14–5 4.1b 383 0-30
IDC X 11 20 45 24.2–.98 42.84N 1.62W 0 4.0b,3.8 **¶621145654**
LDG X 11 20 45 25.7–.12 42.87N 1.50W 2 4.0L,3.6
MDD X 11 20 45 25.4–.11 42.81N 1.49W 0 3.8,3.6
IGIL X 11 20 45 26.4 42.82N 1.49W 1 3.8,3.6
INMG X 11 20 45 26.2–1.8 42.87N 1.51W 14–3 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=9.6km az=126.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=126.0.
MDD Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=160.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=2.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Pireneus (ESP).
ISC XII 23 13 03 46.1–.84 42.85N–.02 1.04W–.02 13–6 134 0-7
STR XII 23 13 03 45.8–.01 42.8N–.10 1.04W–.09 2 2.8 **¶621650616**
LDG XII 23 13 03 46.3–.14 42.85N 1.05W 2 3.4,3.3L
MDD XII 23 13 03 47.3–.17 42.79N 1.04W 0 3.0,3.3L
INMG XII 23 13 03 47.0–1.4 42.72N 1.11W 0–5 2.5L,3.3L
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=66.0.
MDD Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=176.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=9.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Pireneus (ESP).
MRB X 30 23 57 42.4–.30 42.50N 1.43E 12–2 -0.7L
¶635806525
MRB Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=49.0.
ISC X 30 23 58 21.1–.92 43.06N–.02 0.52W–.02 4–8 58 0-3
LDG X 30 23 58 21.2–.08 43.06N 0.52W 2 2.1,1.8L **¶621821480**
STR X 30 23 58 21.0–.01 43.05N–.07 0.52W–.05 2 1.4,1.8L
MDD X 30 23 58 21.8–.29 43.08N 0.52W 0 1.8,1.8L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=179.0.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=20.0.
STR XII 24 10 15 00.7–.02 43.1N–.10 0.4W–.10 12–0 0.5
¶626070123

STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
ISC XII 23 18 58 47.0–.85 42.86N–.02 1.04W–.02 14–6 78 0-5
STR XII 23 18 58 47.9–.04 42.8N–.30 1.0W–.20 6–0 1.8 **¶621825106**
LDG XII 23 18 58 47.4–.13 42.81N 1.07W 2 2.5,2.4L
MDD XII 23 18 58 47.8–.21 42.80N 1.06W 1 2.2,2.4L
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=28.0.
MDD Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=174.0.
STR XII 30 04 33 30.9–.10 42.8N–.50 1.1W–.50 13–0 0.9
¶621806695
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
MDD XII 30 04 34 01.3–1.4 42.84N 1.09W 8–22 1.0
LDG XII 30 04 34 00.3–.16 42.83N 1.07W 10 1.2,1.1L **¶636235747**
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=27.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=36.0.
ISC XII 31 18 31 14.5–.77 43.18N–.02 0.87W–.02 17–5 106 0-5
LDG XII 31 18 31 15.3–.08 43.17N 0.90W 10 2.6L,2.5 **¶621806720**
STR XII 31 18 31 15.7–.00 43.15N–.04 0.90W–.03 6–0 2.0,2.5
MDD XII 31 18 31 17.1–.26 43.17N 0.94W 10 2.5,2.5
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=125.0.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=165.0.

(379) Near south coast of France.

ISC VII 26 17 03 06.6–.97 43.53N–.03 7.24E–.02 19–2 122 0-2
STR VII 26 17 03 06.9–.01 43.6N–.10 7.20E–.09 23–0 1.6 **¶620982992**
LDG VII 26 17 03 07.1–.07 43.57N 7.20E 20 2.5,2.0L
GEN VII 26 17 03 08.5 43.66N 7.27E 25–3 1.2L,2.0L
ROM VII 26 17 03 08.2–.22 43.61N–.01 7.252E–.01 10–1 1.4L,2.0L
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

(380) Corsica.

ISC X 03 17 11 45.1–1.1 43.78N–.02 8.36E–.02 2–10 189 0-7
LDG X 03 17 11 47.5–.14 43.73N 8.35E 5 3.1L,2.9 **¶621117127**
ROM X 03 17 11 47.1–.10 43.764N–.01 8.296E–.01 22–1 3.0L,2.9
GEN X 03 17 11 48.1 43.82N 8.28E 9–1 3.0L,2.9
PRU X 03 17 11 54.5 43.79N 8.70E 20 3.0L,2.9
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=172.0.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.6km az=347.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 12 17 05 07.0–1.1 43.76N–.03 8.31E–.03 19–2 63 0-2
LDG X 12 17 05 07.8–.13 43.79N 8.34E 15 2.5,2.1L **¶621820395**
ROM X 12 17 05 08.8–.16 43.851N–.01 8.260E–.01 8–0 1.4L,2.1L
GEN X 12 17 05 09.2 43.85N 8.27E 9–2 1.4L,2.1L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=41.0.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.4km az=319.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

(381) Central Italy.

ROM VII 05 20 40 23.3–.08 42.775N–.00 13.295E–.01 13–0 0.8L
¶625934311
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VII 16 08 00 50.3–.74 42.79N–.01 13.07E–.01 15–4 257 0-48
IDC VII 16 08 00 42.7–1.5 41.99N 12.85E 0 3.6,3.5b **¶620833904**
ROM VII 16 08 00 50.0–.04 42.786N–.00 13.068E–.00 9–0 3.4L,3.3W
PDG VII 16 08 00 50.5–.36 42.78N 13.07E 13–0 3.7L,3.3W
BEO VII 16 08 00 52.4–.70 42.81N 13.03E 17–7 3.4L,3.3W
PRU VII 16 08 00 54.7 42.99N 13.26E 10 3.4L,3.3W
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=17.4km az=102.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.2km az=258.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{13}Nm; M_{rr}-7.54 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$8.07 $M_{r\theta}$3.75 $M_{\theta\phi}$-4.18 $M_{\phi r}$-1.69 NP1: ϕ_s318.00000°,δ58.00000°,λ-115.00000°. NP2:ϕ_s180.00000°,δ40.00000°,λ-55.00000°. M_θ9.72686×10^{13}
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
BEO Event type ke.
ROM VII 18 16 06 09.5–.06 43.228N–.00 12.214E–.01 9–0 1.4L
¶625934937
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VII 22 14 06 22.7–.77 42.75N–.01 12.55E–.01 11–4 241 0-9
ROM VII 22 14 06 22.3–.04 42.757N–.00 12.559E–.00 7–0 3.5W,3.4L **¶620846713**
SARA VII 22 14 06 22.8–.17 42.762N–.00 12.552E–.01 9–5 3.5L,3.3
PRU VII 22 14 06 25.2 42.88N 12.65E 0 3.5L,3.3
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.0km az=62.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}0.53 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-0.57 $M_{r\theta}$0.20 $M_{\theta\phi}$-0.01 $M_{\phi r}$1.76 NP1: ϕ_s6.00000°,δ81.00000°,λ92.00000°. NP2:ϕ_s174.00000°,δ9.00000°,λ78.00000°. M_θ1.85315×10^{14}
SARA Event type se. hypocenter. manual.
SARA VII 22 14 15 49.0–.10 42.75N–.01 12.51E–.02 12–7 1.6,1.1L
¶626332250
SARA Event type se. hypocenter. manual.
ISC VIII 01 21 48 03.2–.78 42.92N–.01 13.12E–.01 13–4 162 0-5
SARA VIII 01 21 48 03.1–.09 42.921N–.01 13.108E–.01 13–1 2.4,2.3L **¶621141423**
ROM VIII 01 21 48 03.0–.05 42.924N–.00 13.125E–.00 10–0 2.5L,2.3L
ISC Event type se.
SARA Event type se. hypocenter. manual.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VII 30 03 15 26.8–.97 43.53N–.02 12.69E–.02 34–2 158 0-5
ROM VII 30 03 15 26.2–.06 43.547N–.01 12.682E–.01 36–0 2.5L **¶625935452**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VII 27 10 01 22.6–.06 42.906N–.00 12.642E–.01 10–0 1.0L
¶625935357
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 02 20 42 24.1–.80 42.94N–.02 13.15E–.02 8–5 110 0-5
ROM VIII 02 20 42 23.5–.03 42.940N–.00 13.149E–.00 8–0 2.5L **¶621141447**
SARA VIII 02 20 42 24.1–.12 42.940N–.01 13.140E–.01 7–0 2.5,2.4L
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
SARA Event type se. hypocenter. manual.
ROM VIII 04 04 52 13.5–.28 42.991N–.01 12.920E–.01 9–2 0.9L
¶621827973
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
GEN VIII 04 04 52 39.1 43.41N 10.43E 6–3 1.3L
¶626714494
ROM VIII 12 20 48 14.6–.05 42.737N–.00 13.269E–.00 10–0 1.3L
¶625936034
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 07 00 12 13.9–.83 43.75N–.01 13.42E–.01 11–6 382 0-7
ROM VIII 07 00 12 12.8–.11 43.757N–.00 13.452E–.01 6–0 3.2L **¶620979001**
PDG VIII 07 00 12 13.5–.48 43.73N 13.44E 12–0 3.1L
PRU VIII 07 00 12 16.0 43.89N 13.16E 10 3.1L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.1km az=243.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
ISC VIII 13 22 36 27.9–1.2 43.82N–.02 12.63E–.02 42–4 197 0-6
ROM VIII 13 22 36 27.8–.06 43.797N–.00 12.596E–.01 38–0 2.5L **¶620989802**
PRU VIII 13 22 36 30.6 44.06N 12.77E 23 2.5L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.4km az=45.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 25 16 07 55.7–.76 43.40N–.01 12.47E–.01 8–4 153 0-6
PRU VIII 25 16 07 53.5 43.12N 13.07E 10 **¶621828092**
ROM VIII 25 16 07 55.5–.03 43.416N–.00 12.477E–.00 8–0 2.6L
SARA VIII 25 16 07 55.8–.11 43.403N–.01 12.46E–.01 10–2 2.9L,2.8
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
SARA Event type se. hypocenter. manual.
ISC VIII 17 16 15 07.7–.76 42.76N–.01 13.08E–.01 9–4 178 0-6
ROM VIII 17 16 15 07.1–.06 42.760N–.00 13.081E–.01 8–0 3.1L **¶620997053**
SARA VIII 17 16 15 07.4–.14 42.763N–.00 13.081E–.00 9–0 2.9,2.8L
PRU VIII 17 16 15 08.9 42.77N 13.76E 1 2.9,2.8L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=250.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
SARA Event type se. hypocenter. manual.
ISC VIII 31 22 36 59.0–.80 43.97N–.01 11.78E–.02 8–5 169 0-6
GEN VIII 31 22 36 57.8 43.96N 11.79E 18–2 2.3L **¶621013615**
ROM VIII 31 22 36 58.6–.06 43.976N–.00 11.774E–.01 7–0 2.6L
PRU VIII 31 22 37 03.1 44.06N 12.10E 10 2.6L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.3km az=232.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 08 05 46 53.5–.77 43.95N–.02 11.79E–.02 13–4 124 0-4
GEN IX 08 05 46 52.4 43.96N 11.78E 17–1 2.6L **¶621140247**
ROM IX 08 05 46 52.8–.07 43.972N–.00 11.771E–.01 8–0 2.8L
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IX 03 03 36 19.2–.09 43.966N–.00 11.769E–.01 6–0 1.9L
¶626465899
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IX 07 11 16 19.1–.09 43.050N–.00 13.080E–.01 10–0 1.2L
¶626469017
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IX 07 02 28 31.8–.15 43.420N–.00 12.464E–.01 7–0 0.4L
¶621828156
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IX 05 05 58 47.3–.04 43.105N–.00 12.879E–.00 10–0 0.7L
¶626466098
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 16 21 51 39.5–.79 43.38N–.01 12.44E–.01 2–4 161 0-4
ROM IX 16 21 51 38.9–.04 43.390N–.00 12.443E–.00 7–0 2.7L **¶621140427**
SARA IX 16 21 51 39.2–.07 43.374N–.01 12.43E–.01 9–2 2.8,2.7L
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
SARA Event type se. hypocenter. manual.
ISC IX 15 21 03 01.6–.74 43.60N–.01 12.39E–.01 11–4 223 0-7
SARA IX 15 21 03 00.9–.09 43.62N–.05 12.40E–.07 14–1 3.1L,3.0 **¶621080753**
BEO IX 15 21 03 00.2–.60 43.63N 12.09E 10 3.3L,3.0
ROM IX 15 21 03 01.3–.05 43.579N–.00 12.389E–.00 10–0 2.9L,3.0
PRU IX 15 21 03 02.2 43.51N 13.08E 10 2.9L,3.0
ISC Event type ke.
SARA Event type se. hypocenter. manual.
BEO Event type ke.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.2km az=200.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 18 05 02 43.1–.76 43.07N–.02 11.01E–.02 13–5 201 0-49
IDC IX 18 05 02 42.8–1.2 43.14N 11.06E 0 3.5b,3.4 **¶621086469**
GEN IX 18 05 02 43.4 43.11N 11.02E 12–1 2.5L,3.4
ROM IX 18 05 02 43.1–.09 43.059N–.00 11.005E–.01 10–0 2.8L,3.4
LDG IX 18 05 02 44.0–.11 43.08N 11.05E 10 3.0L,3.4
PRU IX 18 05 02 44.4 43.03N 11.26E 10 3.0L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=13.6km az=104.0.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.3km az=53.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=163.0.
ISC IX 26 08 31 03.1–.81 42.79N–.01 12.64E–.02 7–5 172 0-6
ROM IX 26 08 31 02.7–.05 42.798N–.00 12.652E–.00 6–0 2.8L **¶621110910**
PRU IX 26 08 31 04.0 42.71N 12.75E 10 2.8L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=72.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IX 20 01 00 19.4–.05 42.789N–.00 13.207E–.01 9–0 1.4L
¶626503478
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IX 21 23 34 15.2–.09 42.733N–.01 12.762E–.01 10–0 0.9L
¶626504703
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 13 23 51 08.6–.75 42.75N–.01 13.12E–.02 14–4 235 0-7

PRU X 13 23 51 07.8 42.63N 13.37E 10 ¶621149205
SARA X 13 23 51 08.5–.13 42.753N–.00 13.086E–.01 11–0 2.8L,2.7
ROM X 13 23 51 08.3–.05 42.753N–.00 13.080E–.00 10–0 3.1L,2.7
BEO X 13 23 51 12.6–.60 43.06N 13.29E 1–4 3.2L,2.7
ISC Event type ke.
SARA Event type se. hypocenter. manual.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=255.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC IX 28 17 53 18.2–.95 43.61N–.02 13.87E–.03 10–6 99 0-6
PRU IX 28 17 53 15.4 43.51N 12.47E 10 ¶621115338
ROM IX 28 17 53 16.7–.29 43.66N–.01 13.93E–.02 4 2.8L
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 18 12 54 18.8–.67 42.94N–.01 13.14E–.01 7–4 4.0b,3.2s 509 0-75
ROM X 18 12 54 17.8–.03 42.929N–.00 13.112E–.00 9–0 3.8L,3.7W ¶621208881
PRU X 18 12 54 18.8 42.93N 12.58E 10 4.3,3.7W
NEIC X 18 12 54 18.6–1.3 42.92N–.03 13.11E–.07 10–1 4.3b,3.7W
SARA X 18 12 54 18.2–.12 42.926N–.00 13.109E–.00 11–1 3.4L,3.3
BGR X 18 12 54 19.5–.63 42.80N 13.36E 10 3.8L,3.3
IDC X 18 12 54 19.0–.90 43.03N 13.25E 0 3.9b,3.8
BEO X 18 12 54 20.5–.50 43.01N 13.12E 9–5 3.8L,3.8
LDG X 18 12 54 20.9–.25 42.79N 13.21E 10 3.5L,3.8
GFZ X 18 12 54 21.4–.17 43N–2.0 13E–2.0 10 4.8b,4.4b
ISC Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-3.25 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$3.49 $M_{r\theta}$0.75 $M_{\theta\phi}$-1.49 $M_{\phi r}$0.11 NP1: ϕ_s326.00000°,δ48.00000°,λ-111.00000°. NP2:ϕ_s176.00000°,δ46.00000°,λ-68.00000°. $M_0$3.73688×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SARA Event type se. hypocenter. manual.
BGR Event type ke.
BEO Event type ke.
LDG Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 14 17 34 36.9–.79 43.77N–.02 11.96E–.02 13–5 116 0-5
GEN X 14 17 34 35.9 43.84N 11.96E 12–1 2.2L ¶621208811
ROM X 14 17 34 36.0–.07 43.816N–.00 11.996E–.01 7–0 2.6L
PRU X 14 17 34 36.5 43.67N 12.29E 10 2.6L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=223.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XI 15 04 34 32.1–.05 42.901N–.00 13.010E–.01 11–0 0.9L
¶626515748
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 24 18 31 13.9–1.2 43.14N–.03 12.97E–.03 80–4 239 0-6
SARA X 24 18 31 14.8–.18 43.140N–.01 12.84E–.01 73–0 2.7,2.0L ¶621239088
ROM X 24 18 31 15.2–.07 43.147N–.00 12.890E–.01 69–0 2.9L,2.0L
PRU X 24 18 31 17.4 43.50N 13.01E 10 2.9L,2.0L
BEO X 24 18 31 18.9–.50 43.54N 13.61E 0 3.0L,2.0L
ISC Event type ke.
SARA Event type se. hypocenter. manual.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.2km az=225.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM X 31 21 25 20.0–.06 42.810N–.00 13.107E–.01 10–0 0.8L
¶626515237
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XI 05 15 36 59.4–.06 42.840N–.00 12.904E–.01 10–0 0.8L
¶626515405
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 24 05 39 04.6–1.1 43.55N–.02 12.66E–.02 56–4 336 0-10
BEO X 24 05 39 04.3–1.2 43.47N 12.47E 55–8 3.4L ¶621239078
LDG X 24 05 39 05.4 43.53N 12.74E 48 3.4L
ROM X 24 05 39 05.4–.08 43.518N–.01 12.624E–.01 52–0 3.2L
PRU X 24 05 39 06.4 43.83N 12.66E 10 3.2L
SARA X 24 05 39 06.2–.11 43.46N–.01 12.60E–.02 54–4 3.3,3.2L
ISC Event type ke.
BEO Event type ke.
LDG Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
SARA Event type se. hypocenter. manual.
ROM XI 01 00 04 01.0–.07 42.811N–.00 13.103E–.01 11–0 0.6L
¶626515262
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 29 10 53 10.0–.52 43.76N–.01 12.89E–.02 34–1 4.2b,3.4s 976 0-145
NAO X 29 10 52 11.9 38.49N 22.60E 10 4.2b,3.4s ¶621243486
MOS X 29 10 53 05.6–1.0 43.84N 12.94E 10 4.2b,3.4s
IDC X 29 10 53 06.7–.72 43.95N 13.11E 0 4.0b,3.9
NEIC X 29 10 53 08.5–1.2 43.85N–.03 12.97E–.05 18–3 4.2b,4.1
BGR X 29 10 53 09.0–.47 43.70N 13.02E 14–2 4.4L,4.1
PDG X 29 10 53 09.3–.59 43.81N 12.93E 32–0 4.2L,4.1
GFZ X 29 10 53 10.9 43.83N 12.93E 36 4.1W,4.1
BEO X 29 10 53 10.3–.50 43.79N 12.91E 28–0 4.6L,4.1
GFZ X 29 10 53 10.9–.24 44N–2.0 13E–1.0 38–4 6.0,5.9
PRU X 29 10 53 10.4 44.11N 11.89E 33 4.2,5.9
ROM X 29 10 53 10.1–.05 43.767N–.00 12.879E–.01 36–0 4.3L,4.1W
LDG X 29 10 53 11.8–.17 43.81N 12.87E 25 3.9L,4.1W
SARA X 29 10 53 11.4–.05 43.72N–.07 12.84E–.10 32–99 4.7L,4.1
ISC Event type ke.
NAO Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
PDG Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.96 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$1.09 $M_{r\theta}$-0.94 $M_{\theta\phi}$-0.40 $M_{\phi r}$0.94 NP1: ϕ_s141.08125°,δ71.81906°,λ-107.89875°. NP2:ϕ_s7.06903°,δ25.29857°,λ-46.89899°. Principal axes: T 1.7563,Plg24.7500°,Azm244.9265°; N -0.0540,Plg16.9773°,Azm146.8356°; P -1.7022,Plg59.3077°,Azm25.8825° $M_0$1.72988×10^{15}
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.55 $M_{\theta\theta}$0.50 $M_{\phi\phi}$1.05 $M_{r\theta}$-0.00 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.45 NP1: ϕ_s158.00000°,δ53.00000°,λ-82.00000°. NP2:ϕ_s325.00000°,δ38.00000°,λ-100.00000°. $M_0$1.48630×10^{15}
LDG Event type ke.
SARA Event type se. hypocenter. manual.

ISC XI 20 05 21 49.5–.92 43.41N–.02 10.18E–.02 14–7 447 0-65
BGR XI 20 05 21 49.7–.56 43.34N 10.25E 10 3.7L ¶621425211
ROM XI 20 05 21 49.5–.17 43.433N–.00 10.198E–.01 9–1 3.5L
GEN XI 20 05 21 49.4 43.45N 10.22E 9–1 3.5L
IDC XI 20 05 21 49.7–1.0 43.50N 10.22E 0 3.7L,3.7b
GFZ XI 20 05 21 50.6–.29 43N–3.0 10E–2.0 10 4.2b,3.8
LDG XI 20 05 21 50.2–.14 43.39N 10.27E 5 3.3L,3.8
BEO XI 20 05 21 52.4–.60 43.60N 10.36E 10 3.8L,3.8
PRU XI 20 05 21 55.4 43.78N 10.38E 10 3.8L,3.8
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=5.6km az=161.0.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.2km az=69.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=18.4km s-min=10.9km az=122.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=153.0.
BEO Event type ke.
ROM XI 30 04 00 41.1–.04 42.868N–.00 12.921E–.00 11–0 1.4L
SARA XI 30 04 00 41.5–.05 42.869N–.01 12.921E–.01 9–0 1.5,0.9L ¶626044748
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
SARA Event type se. hypocenter. manual.
ISC XI 30 19 08 46.7–.82 42.64N–.02 13.11E–.02 12–4 121 0-5
ROM XI 30 19 08 46.2–.06 42.639N–.00 13.122E–.00 10–0 2.9L ¶621718570
SARA XI 30 19 08 46.6–.16 42.651N–.00 13.111E–.01 10–1 2.7,2.6L
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
SARA Event type se. hypocenter. manual.
ROM XII 25 10 19 17.9–.08 42.886N–.00 12.991E–.01 10–0 1.6L
SARA XII 25 10 19 18.3–.12 42.87N–.04 12.97E–.06 6–0 1.4,1.0L ¶626044847
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
SARA Event type se. hypocenter. manual.
ISC XII 14 05 34 05.9–.85 43.03N–.02 13.31E–.02 23–4 200 0-6
SARA XII 14 05 34 06.2–.10 43.018N–.01 13.300E–.01 23–1 3.3L,3.1 ¶621631306
ROM XII 14 05 34 06.1–.06 43.028N–.00 13.306E–.01 23–0 3.3L,3.1
PRU XII 14 05 34 08.6 43.27N 13.80E 10 3.3L,3.1
ISC Event type se.
SARA Event type se. hypocenter. manual.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.2km az=228.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
SARA XII 21 00 23 39.2–.10 42.771N–.01 13.07E–.01 7–0 1.1,0.4L
¶636235734
SARA Event type se. hypocenter. manual.
ISC XII 31 22 00 10.1–.82 42.32N–.02 13.48E–.02 18–3 171 0-7
SARA XII 31 22 00 09.6–.12 42.32N–.02 13.53E–.02 14–2 2.5,2.2L ¶621700353
ROM XII 31 22 00 10.2–.05 42.331N–.00 13.491E–.01 15–0 2.7L,2.2L
BEO XII 31 22 00 13.1–.60 42.44N 13.48E 20 2.8L,2.2L
ISC Event type ke.
SARA Event type se. hypocenter. manual.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=238.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.

(382) Adriatic Sea.

ISC VII 04 22 29 54.1–.96 42.53N–.02 16.03E–.02 17–8 88 1-6
ROM VII 04 22 29 50.5–.37 42.66N–.02 16.18E–.03 10 2.9L ¶624417627
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VII 18 16 08 46.5–1.3 42.49N–.02 15.97E–.02 5–11 144 0-9
PDG VII 18 16 08 43.6–.30 42.75N 15.76E 15–5 3.1L ¶620833943
ROM VII 18 16 08 44.7–.25 42.621N–.01 16.25E–.02 10 3.2L
BEO VII 18 16 08 47.6–.50 42.33N 16.11E 0 2.8L
PRU VII 18 16 08 48.1 42.52N 16.42E 10 2.8L
RHSSO VII 18 16 08 48.6–.74 42.31N 16.16E 8–5 3.0L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=5.7km s-min=7.7km az=0.0.
ROM Event type se. Error ellipse: s-maj=2.0km s-min=1.1km az=256.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC VIII 16 07 49 57.1–1.1 42.53N–.02 16.15E–.02 15–9 130 1-6
ROM VIII 16 07 49 56.2–.23 42.602N–.01 16.17E–.02 10 3.1L ¶621141705
BEO VIII 16 07 49 57.3–.90 42.51N 16.03E 8–6 3.3L
RHSSO VIII 16 07 49 58.5–.55 42.37N 16.32E 14–3 3.1L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=1.9km s-min=1.0km az=259.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC IX 01 07 05 38.3–1.1 43.78N–.02 15.82E–.02 2–9 229 0-8
PRU IX 01 07 05 39.9 43.77N 15.61E 1 ¶621012687
PDG IX 01 07 05 39.4–.52 43.71N 15.70E 13–1 3.4L
BEO IX 01 07 05 40.4–.30 43.80N 15.79E 0 3.3L
RHSSO IX 01 07 05 40.5–.51 43.87N 15.78E 5–3 3.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.8km az=0.0.
BEO Event type ke.
ISC XI 15 04 51 35.3–1.1 42.48N–.02 16.11E–.02 13–9 102 1-4
ROM XI 15 04 51 35.3–.12 42.608N–.01 16.07E–.03 11 2.8L ¶625380894
RHSSO XI 15 04 51 37.6–.79 42.42N 16.31E 7–6 2.6L
BEO XI 15 04 51 38.2–.70 42.46N 16.13E 22–4 2.7L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=2.8km s-min=0.7km az=273.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC XI 17 23 19 43.5–1.0 42.49N–.02 15.89E–.02 11–7 3.5b 506 0-89
IDC XI 17 23 19 38.8–.78 42.49N 16.52E 0 3.5b,3.5 ¶621414529
ROM XI 17 23 19 42.5–.10 42.512N–.01 15.894E–.01 5 3.9L,3.5
PDG XI 17 23 19 43.5–.81 42.51N 15.86E 13–1 3.4L,3.5
BEO XI 17 23 19 44.4–.40 42.47N 15.90E 7–3 3.4L,3.5
NEIC XI 17 23 19 44.6–1.3 42.46N–.04 15.84E–.06 17–6 4.2b,3.5
MCSM XI 17 23 19 44.0–.40 42N–4.0 16E–3.0 10 4.0b,4.0
PRU XI 17 23 19 45.4 42.46N 15.57E 10 4.1,4.0
GFZ XI 17 23 19 46.3–.25 42N–2.0 16E–3.0 10 4.2b,4.2
ISC Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke.
BEO Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(383) Northwestern Balkan Peninsula.

ISC VII 02 08 11 15.8–.91 45.44N–.02 16.21E–.02 14–8 79 0-6
VIE VII 02 08 11 17.8–.96 45.48N 16.06E 10 2.3L,2.1b ¶624581190
BEO VII 02 08 11 17.4–.20 45.40N 16.15E 0–3 2.5L,2.1b

PRU VII 02 08 11 17.8 45.63N 16.45E 10 2.5L,2.1b
RHSSO VII 02 08 11 18.4–1.1 45.36N 16.24E 6 2.4L,2.1b
ISC Event type ke.
VIE Error ellipse: s-maj=5.5km s-min=4.6km az=134.0.
BEO Event type ke.
ISC VII 05 07 12 55.8–.93 42.35N–.02 18.72E–.02 16–7 88 0-3
BEO VII 05 07 12 56.9–.60 42.31N 18.67E 1–1 2.3L **¶624417632**
PDG VII 05 07 12 56.4–.24 42.35N 18.69E 9–1 2.5,2.4L
RHSSO VII 05 07 12 56.4–.56 42.32N 18.68E 5–2 2.3L,2.4L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
ISC VII 05 12 44 49.7–1.1 42.33N–.02 18.68E–.02 3–9 110 0-3
PDG VII 05 12 44 49.2–.20 42.33N 18.69E 12–1 2.5,2.4L **¶624417636**
RHSSO VII 05 12 44 49.8–.53 42.30N 18.67E 4–1 2.3L,2.4L
BEO VII 05 12 44 50.6–.40 42.33N 18.67E 1–1 2.1L,2.4L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
SKO VII 06 11 49 27.0 41.76N 22.71E 15 1.2L
¶621590989
ISC VII 09 01 54 28.9–1.0 43.47N–.02 17.45E–.02 5–9 134 0-5
PDG VII 09 01 54 28.9–.53 43.46N 17.42E 5–1 2.5L **¶621140990**
RHSSO VII 09 01 54 28.3–.46 43.42N 17.29E 5–2 2.3L
BEO VII 09 01 54 29.4–.40 43.51N 17.40E 0 2.0L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=2.1km az=0.0.
BEO Event type ke.
ISC VII 09 10 44 04.1–.97 45.38N–.01 16.28E–.01 9–8 231 0-6
PDG VII 09 10 44 03.3–.27 45.49N 16.34E 3–1 3.9L **¶620784564**
BEO VII 09 10 44 05.0–.30 45.25N 16.20E 6–2 3.4L
RHSSO VII 09 10 44 05.4–.42 45.38N 16.27E 7–2 3.4L
PRU VII 09 10 44 07.6 45.59N 16.31E 10 3.4L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.6km az=0.0.
BEO Event type ke.
ISC VII 10 05 38 08.3–.99 45.35N–.02 16.09E–.03 9–10 43 0-2
¶626466490
ISC Event type ke.
ISC VII 10 23 53 59.6–1.1 45.10N–.06 14.77E–.05 9 12 0-1
¶626466665
ISC Event type ke.
ISC VII 13 02 14 43.6–.77 42.23N–.02 19.21E–.02 9–4 114 0-4
TIR VII 13 02 14 41.8–1.8 42.25N 19.16E 21–6 2.2L **¶624417697**
PDG VII 13 02 14 43.2–.11 42.23N 19.22E 10–0 2.6,2.5L
RHSSO VII 13 02 14 43.5–.57 42.21N 19.26E 4–2 2.3L,2.5L
BEO VII 13 02 14 44.1–.30 42.22N 19.22E 4–1 2.0L,2.5L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=5.0km s-min=10.4km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.1km s-min=0.3km az=0.0.
BEO Event type ke.
ISC VII 17 00 13 05.8–.96 42.16N–.02 19.62E–.02 19–2 137 0-5
TIR VII 17 00 13 04.3–.99 42.15N 19.64E 25–2 2.7W,2.3L **¶624417724**
RHSSO VII 17 00 13 04.4–.81 42.10N 19.70E 6–3 2.5L,2.3L
BEO VII 17 00 13 05.9–.30 42.19N 19.65E 9–1 2.0L,2.3L
PDG VII 17 00 13 05.5–.14 42.18N 19.59E 19–0 2.4L,2.3L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.3km s-min=2.9km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
ISC VII 19 00 15 55.9–1.1 43.53N–.02 17.89E–.02 8–9 122 1-4
BEO VII 19 00 15 56.6–.30 43.57N 17.92E 3–2 2.3L **¶624417733**
PDG VII 19 00 15 56.1–.21 43.51N 17.90E 8–1 2.5L
RHSSO VII 19 00 15 56.0–.33 43.51N 17.85E 8–2 2.4L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.7km az=0.0.
ISC VII 19 01 14 15.4–1.1 43.53N–.02 17.92E–.01 0–10 243 1-7
PDG VII 19 01 14 15.8–.06 43.51N 17.91E 4–0 3.4,3.3L **¶620844169**
BEO VII 19 01 14 16.1–.20 43.56N 17.88E 6–1 3.2L,3.3L
RHSSO VII 19 01 14 16.1–.28 43.54N 17.95E 6–2 3.3L,3.3L
PRU VII 19 01 14 17.3 43.47N 17.86E 1 3.3L,3.3L
ISC Event type ke.
PDG Event type ke.
BEO Event type ke.
ISC VII 24 07 08 41.6–1.1 45.38N–.02 16.27E–.02 4–9 100 0-4
VIE VII 24 07 08 42.7–.47 45.41N 16.35E 10 2.3L,2.0b **¶620846745**
PRU VII 24 07 08 42.0 45.46N 16.43E 0 2.3L,2.0b
RHSSO VII 24 07 08 43.1–.68 45.34N 16.32E 6–2 2.5L,2.0b
BEO VII 24 07 08 44.0–.30 45.35N 16.24E 12–2 2.4L,2.0b
ISC Event type ke.
VIE Error ellipse: s-maj=5.1km s-min=2.3km az=20.0.
BEO Event type ke.
ISC VII 24 13 43 00.1–1.0 45.45N–.01 16.29E–.01 9–8 401 0-7
RHSSO VII 24 13 43 00.8–.41 45.45N 16.34E 7–2 3.8L **¶620845674**
BEO VII 24 13 43 01.5–.20 45.52N 16.32E 13–1 3.7L
PDG VII 24 13 43 01.1–.41 45.45N 16.27E 21–0 3.7L
GFZ VII 24 13 43 02.0–.21 45N–2.0 16E–2.0 10 4.3b,4.0
BGR VII 24 13 43 04.7–.52 45.61N 16.18E 5 3.5L,4.0
PRU VII 24 13 43 04.1 45.56N 16.22E 19 3.5L,4.0
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=159.0.
ISC VII 27 22 43 46.4–.94 41.82N–.02 22.85E–.02 7–8 56 0-3
SOF VII 27 22 43 45.6 41.82N 22.85E–.01 9–1 2.6 **¶621041879**
SKO VII 27 22 43 46.3 41.82N 22.85E 11 1.8L
BEO VII 27 22 43 47.5–.40 41.84N 22.86E 2–2 1.6L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ISC VII 29 19 48 21.6–.87 41.92N–.02 22.94E–.02 8–7 75 0-4
SOF VII 29 19 48 20.7 41.92N 22.92E–.01 11–1 2.8 **¶621041882**
SKO VII 29 19 48 21.7 41.88N 22.94E 15 2.0L
BEO VII 29 19 48 22.2–.30 41.92N 22.93E 10–1 2.1L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ISC VII 29 07 10 44.8–.94 42.39N–.02 19.97E–.02 4–7 94 0-2
RHSSO VII 29 07 10 43.6–.71 42.31N 20.07E 5–4 2.9L **¶624417827**
TIR VII 29 07 10 43.6–1.8 42.42N 19.99E 8–8 2.4L
PDG VII 29 07 10 44.8–.25 42.37N 19.95E 0–11 2.2L,2.2
BEO VII 29 07 10 45.8–.30 42.39N 19.99E 0–2 3.0L,2.2
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=7.0km s-min=7.7km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
BEO Event type ke.
ISC VII 29 07 12 38.2–1.0 45.45N–.02 16.16E–.02 7–9 68 0-4
VIE VII 29 07 12 38.4–.80 45.40N 16.15E 10 2.5b,2.4L **¶620929501**
RHSSO VII 29 07 12 40.6–.85 45.43N 16.29E 5–4 2.5L,2.4L
PRU VII 29 07 12 44.1 45.65N 16.08E 1 2.5L,2.4L
ISC Event type se.
VIE Error ellipse: s-maj=5.4km s-min=5.0km az=8.0.
ISC VIII 01 21 07 27.4–.93 42.21N–.02 21.26E–.01 12–8 366 0-13
SOF VIII 01 21 07 25.9 42.14N–.01 21.25E–.01 4–2 3.7 **¶620925851**
PRU VIII 01 21 07 26.6 42.04N 21.41E 0 3.7
TIR VIII 01 21 07 26.7–3.2 42.18N 21.25E 17–11 3.6W,3.4L
PDG VIII 01 21 07 27.9–.49 42.22N 21.26E 21–1 3.5L,3.5
NEIC VIII 01 21 07 27.4–1.8 42.25N–.05 21.33E–.08 10–2 3.3L,3.5
SKO VIII 01 21 07 27.1 42.17N 21.28E 18 3.5L,3.5
BEO VIII 01 21 07 28.5–.30 42.24N 21.28E 9–1 3.4L,3.5
THE VIII 01 21 07 29.4 42N–6.0 21E–4.0 33–13 3.2,3.2
RHSSO VIII 01 21 07 29.3–.65 42.39N 21.25E 7–3 3.4L,3.2
ISC Event type ke.
SOF Event type ke.
TIR Event type se. Error ellipse: s-maj=9.5km s-min=13.0km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.7km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
ISC VIII 01 23 27 19.3–.94 45.46N–.01 16.30E–.01 11–7 3.6b 495 0-85
VIE VIII 01 23 27 18.5–.92 45.39N 16.26E 10 3.6L,3.1b **¶620925854**
NEIC VIII 01 23 27 19.3–1.4 45.47N–.03 16.32E–.04 10–2 4.1b,3.1b
ROM VIII 01 23 27 19.1–.10 45.404N–.01 16.28E–.01 10 3.8L,3.1b
BEO VIII 01 23 27 19.5–.30 45.51N 16.34E 11–2 3.5L,3.1b
PDG VIII 01 23 27 19.0–.76 45.46N 16.33E 19–1 3.7L,3.1b
IDC VIII 01 23 27 19.3–.88 45.53N 16.31E 0 3.6L,3.6b
BGR VIII 01 23 27 20.9–.49 45.43N 16.28E 5 3.7L,3.6b
GFZ VIII 01 23 27 20.7–.18 46N–2.0 16E–2.0 10 4.2b,4.0
RHSSO VIII 01 23 27 20.0–.41 45.42N 16.31E 8–2 3.7L,4.0
PRU VIII 01 23 27 22.6 45.65N 16.23E 10 4.1,4.0
ISC Event type ke.
VIE Error ellipse: s-maj=5.4km s-min=4.9km az=0.0. 50 km SSE of Zagreb .
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.0km az=227.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ROM Event type se. Error ellipse: s-maj=0.9km s-min=0.6km az=238.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
IDC Error ellipse: s-maj=12.2km s-min=11.6km az=46.0.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=5.6km az=142.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 02 09 36 54.7–.87 43.53N–.02 17.19E–.02 7–6 102 0-5
RHSSO VIII 02 09 36 53.4–.51 43.45N 17.04E 4–2 2.6L **¶621141436**
BEO VIII 02 09 36 55.3–.20 43.57N 17.24E 0 2.6L
ISC Event type ke.
BEO Event type ke.
ISC VIII 03 02 14 56.5–.96 45.38N–.02 15.31E–.02 5–8 111 0-4
VIE VIII 03 02 14 56.2–.81 45.39N 15.28E 10 2.1L,1.9b **¶620969917**
PRU VIII 03 02 14 56.9 45.46N 15.51E 1 2.1L,1.9b
LJU VIII 03 02 14 56.1 45.38N 15.29E 9 1.8L,1.9b
ROM VIII 03 02 14 57.5–.63 45.45N–.05 15.34E–.04 10 2.5L,1.9b
RHSSO VIII 03 02 15 01.8–1.3 45.38N 15.61E 4 1.7L,1.9b
ISC Event type se.
VIE Error ellipse: s-maj=5.4km s-min=2.5km az=164.0. 24 km WSW of Karlovac .
LJU Event type se. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=5.2km s-min=2.7km az=355.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 03 15 10 27.0–.87 41.31N–.02 22.66E–.03 12–6 43 0-3
SKO VIII 03 15 10 26.9 41.31N 22.64E 15 2.6L **¶621591073**
SOF VIII 03 15 10 27.2 41.3N–.10 22.9E–.10 11–4 2.5
BEO VIII 03 15 10 28.5–.50 41.38N 22.68E 12–3 1.9L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ISC VIII 02 21 28 04.1–1.1 43.11N–.02 17.98E–.02 3–9 161 0-7
BEO VIII 02 21 28 04.5–.20 43.11N 17.95E 7–2 2.5L **¶620969910**
PDG VIII 02 21 28 04.4–.09 43.06N 17.98E 14–0 2.9,2.8L
RHSSO VIII 02 21 28 04.4–.44 43.10N 17.98E 5–3 2.6L,2.8L
VIE VIII 02 21 28 06.3–.60 43.35N 18.37E 10 3.1s,2.6b
PRU VIII 02 21 28 06.2 43.25N 18.47E 10 3.1s,2.6b
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.1km s-min=0.2km az=0.0.
VIE Error ellipse: s-maj=8.4km s-min=4.5km az=37.0. 54 km S of Sarajevo .
ISC VIII 02 22 10 14.9–1.0 43.12N–.02 17.98E–.02 7–9 119 0-6
BEO VIII 02 22 10 15.1–.30 43.17N 17.93E 2–3 2.2L **¶621141448**
PDG VIII 02 22 10 15.0–.17 43.14N 17.97E 3–0 2.4L
RHSSO VIII 02 22 10 15.3–.43 43.13N 17.99E 7–3 2.2L
VIE VIII 02 22 10 17.5–.74 43.09N 17.80E 10 3.6s,2.4b
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
VIE Error ellipse: s-maj=12.9km s-min=6.0km az=41.0. 97 km SSW of Sarajevo .
ISC VIII 03 08 02 43.3–1.1 45.15N–.03 14.86E–.05 13–13 18 0-2
¶626713445
ISC Event type ke.
ISC VIII 10 23 35 34.2–1.1 45.37N–.03 16.29E–.03 7–11 26 0-2
¶626713236
ISC Event type ke.
ISC VIII 05 02 04 29.1–1.1 43.07N–.02 17.94E–.01 4–9 136 0-6
PDG VIII 05 02 04 29.4–.28 43.12N 17.95E 0–11 2.5L **¶621141502**
BEO VIII 05 02 04 30.5–.20 43.08N 17.96E 8–2 2.2L
RHSSO VIII 05 02 04 30.4–.42 43.11N 17.99E 6–3 2.5L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.5km az=0.0.
BEO Event type ke.
ISC VIII 07 23 27 24.1–1.0 43.13N–.02 17.95E–.01 5–9 125 0-6
RHSSO VIII 07 23 27 23.4–.48 43.13N 17.90E 4–3 2.5L **¶621141559**
PDG VIII 07 23 27 24.5–.18 43.10N 17.94E 5–1 2.6L
BEO VIII 07 23 27 25.0–.30 43.09N 17.94E 10–2 2.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
BEO Event type ke.
ISC VIII 08 21 10 23.2–.71 44.85N–.01 17.25E–.01 12–4 438 0-44
PDG VIII 08 21 10 22.7–.03 44.87N 17.30E 6–0 3.5L **¶620976450**
IDC VIII 08 21 10 23.2–1.4 44.94N 17.33E 0 3.5,3.1L
RHSSO VIII 08 21 10 23.2–.28 44.86N 17.26E 4–2 3.6L,3.1L
BEO VIII 08 21 10 23.8–.20 44.84N 17.25E 10–1 3.5L,3.1L
NEIC VIII 08 21 10 23.1–1.1 44.84N–.05 17.35E–.07 9–6 4.0b,3.1L
GFZ VIII 08 21 10 24.1–.14 45N–2.0 17E–2.0 10 4.0b,3.9
PRU VIII 08 21 10 25.5 45.01N 17.20E 1 4.0,3.9
ISC Event type ke.
PDG Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=9.8km az=17.0.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.0km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=4.4km s-min=2.6km az=57.1. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 13 03 47 54.7–1.1 45.02N–.02 14.76E–.03 4–9 61 0-3
¶626713268
ISC Event type ke.
ISC VIII 15 16 32 19.3–.92 44.04N–.01 19.54E–.01 9–7 261 0-8
SOF VIII 15 16 32 17.8 44.04N–.02 19.40E–.07 18–11 3.8 **¶620987271**
PDG VIII 15 16 32 18.9–.42 44.05N 19.53E 15–0 3.1L
RHSSO VIII 15 16 32 19.5–.27 44.02N 19.56E 4–1 3.1L
BEO VIII 15 16 32 19.8–.20 44.03N 19.52E 6–1 3.1L
PRU VIII 15 16 32 20.8 44.03N 19.18E 1 3.1L
KRSZO VIII 15 16 32 23.2–1.7 44.32N 19.54E 10 3.4L
ISC Event type ke.
SOF Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
BEO Event type ke.

KRSZO Event type ke. Error ellipse: s-maj=13.8km s-min=8.6km az=4.0.
ISC VIII 16 23 58 56.3–.97 45.49N–.02 16.26E–.01 5–6 4.5b,3.8s 818 0-145
NAO VIII 16 23 58 09.4 41.40N 17.49E 33 3.5b,3.8s ¶620990400
MED_R VIII 16 23 58 55.0 45.43N 16.27E 10 4.2W,3.8s
PDG VIII 16 23 58 55.8–.35 45.47N 16.27E 13–0 4.2L,3.8s
NEIC VIII 16 23 58 56.6–1.4 45.48N–.04 16.23E–.06 10–1 4.6b,3.8s
BEO VIII 16 23 58 56.1–.30 45.54N 16.32E 4–3 4.3L,3.8s
MOS VIII 16 23 58 56.5–1.0 45.55N 16.20E 15 4.6b,3.8s
IDC VIII 16 23 58 56.4–.49 45.58N 16.19E 0 4.1b,4.1
ROM VIII 16 23 58 56.4–.06 45.421N–.00 16.222E–.01 10 4.3L,4.1
RHSSO VIII 16 23 58 56.5–.43 45.42N 16.23E 5–2 4.3L,4.1
GFZ VIII 16 23 58 57.4–.11 45N–1.0 16E–1.0 10 4.8b,4.4
GFZ VIII 16 23 58 57.4 45.48N 16.25E 10 4.0W,4.4
BGR VIII 16 23 58 58.8–.54 45.58N 16.19E 10 4.6L,4.4
PRU VIII 16 23 59 00.0 45.66N 16.21E 10 4.7,4.4
BNS VIII 16 23 59 03.3–.53 45.83N 15.96E 10 4.7L,4.4
ISC Event type ke.
NAO Event type se. Presumed earthquake.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}0.81±.19 $M_{\theta\theta}$-2.76±.14; $M_{\phi\phi}$0.00±.20; $M_{r\theta}$-0.39±.55; $M_{\theta\phi}$1.42±.17; $M_{\phi r}$-0.59±.69; NP1: ϕ_s149.00000°,δ73.00000°,λ167.00000°. NP2:ϕ_s243.00000°,δ78.00000°,λ17.00000°. Principal axes: T 2.6000,Plg21.0000°,Azm106.0000°; N 0.5700,Plg69.0000°,Azm277.0000°; P -3.1700,Plg3.0000°,Azm15.0000° M_o2.88000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.7km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=83.5.
IDC Error ellipse: s-maj=8.8km s-min=7.4km az=19.0.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=250.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.07 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$0.91 $M_{r\theta}$-0.32 $M_{\theta\phi}$0.49 $M_{\phi r}$-0.41 NP1: ϕ_s146.59374°,δ66.15887°,λ171.23539°. NP2:ϕ_s240.15970°,δ81.98842°,λ24.09092°. Principal axes: T 1.2322,Plg22.6044°,Azm105.7943°; N -0.0896,Plg64.6874°,Azm257.4722°; P -1.1426,Plg10.7931°,Azm11.2420° M_o1.18992×10^{15}
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=87.0.
BNS Event type ke.
ISC VIII 15 19 53 42.9–1.0 45.46N–.02 16.23E–.02 5–9 116 0-6
BEO VIII 15 19 53 44.6–.20 45.49N 16.17E 7–5 2.4L ¶620989818
VIE VIII 15 19 53 44.3–.31 45.49N 16.19E 10 2.2L,2.1b
RHSSO VIII 15 19 53 44.7–.68 45.41N 16.18E 3–2 2.5L,2.1b
PRU VIII 15 19 53 45.9 45.68N 16.27E 1 2.5L,2.1b
ISC Event type ke.
BEO Event type ke.
VIE Error ellipse: s-maj=2.6km s-min=1.3km az=5.0. 37 km SSE of Zagreb .
ISC VIII 16 21 56 48.1–.96 45.21N–.02 14.78E–.02 9–9 42 0-2
¶626713274
ISC Event type ke.
ISC VIII 17 06 28 41.2–.93 43.52N–.02 17.03E–.02 18–4 77 0-3
RHSSO VIII 17 06 28 39.9–.61 43.50N 16.92E 8–2 2.3L ¶624417954
PDG VIII 17 06 28 40.0–.19 43.50N 17.06E 8–0 2.8L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.9km az=0.0.
ISC VIII 17 06 40 13.0–.83 43.55N–.02 17.03E–.02 14–6 165 0-5
RHSSO VIII 17 06 40 11.6–.53 43.52N 16.93E 6–2 2.7L ¶621141803
PDG VIII 17 06 40 12.0–.49 43.55N 17.02E 14–1 3.1L
BEO VIII 17 06 40 13.9–.30 43.60N 17.22E 2–2 2.6L
ROM VIII 17 06 40 13.3–.20 43.56N–.01 16.93E–.02 10 3.2L
ISC Event type ke.
PDG Event type ke.
BEO Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 18 06 20 37.1–1.0 43.12N–.02 17.97E–.01 6–9 101 0-4
PDG VIII 18 06 20 36.8–.18 43.11N 17.97E 16–0 2.5L ¶624417967
BEO VIII 18 06 20 37.8–.30 43.11N 17.90E 10–2 2.2L
RHSSO VIII 18 06 20 37.2–.52 43.11N 17.98E 6–4 2.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=90.0.
BEO Event type ke.
ISC VIII 18 18 38 34.2–.95 42.99N–.02 19.85E–.02 6–8 95 0-3
TIR VIII 18 18 38 34.3–.66 42.93N 19.89E 5–4 2.3L ¶624417975
PDG VIII 18 18 38 34.8–.13 42.95N 19.85E 10–0 2.5L,2.5
BEO VIII 18 18 38 35.3–.20 42.97N 19.89E 0–1 2.3L,2.5
RHSSO VIII 18 18 38 35.4–.52 42.98N 19.86E 4–3 2.4L,2.5
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.8km s-min=3.3km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.6km az=0.0.
BEO Event type ke.
ISC VIII 18 07 21 31.7–1.0 43.13N–.02 17.97E–.02 6–9 88 0-3
BEO VIII 18 07 21 31.4–.60 43.16N 17.81E 1–3 2.1L ¶624417968
PDG VIII 18 07 21 31.4–.08 43.13N 17.97E 14–0 2.6L
RHSSO VIII 18 07 21 33.4–.50 43.08N 18.04E 7–3 2.3L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.2km az=90.0.
ISC VIII 19 08 49 47.8–.99 42.01N–.02 20.59E–.02 13–9 105 0-3
SKO VIII 19 08 49 47.5 42.02N 20.55E 10 2.5L ¶621591103
TIR VIII 19 08 49 48.4 42.00N 20.50E 11 2.8W,2.3L
RHSSO VIII 19 08 49 48.3–.80 41.97N 20.62E 4–3 2.6L,2.3L
BEO VIII 19 08 49 49.9–.30 42.04N 20.62E 0–2 2.3L,2.3L
PDG VIII 19 08 49 50.7–.21 42.07N 20.37E 7–0 2.4L,2.3L
ISC Event type ke.
TIR Event type se. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.
ISC VIII 22 16 17 08.0–.82 46.48N–.01 14.37E–.01 12–6 152 0-5
LJU VIII 22 16 17 07.5 46.47N 14.36E 12 2.3L ¶620999697
VIE VIII 22 16 17 07.7–.16 46.46N 14.37E 11–3 2.8L,2.1b
PRU VIII 22 16 17 11.6 46.59N 14.39E 10 2.8L,2.1b
ISC Event type fe.
LJU Event type se. Presumed earthquake.
VIE Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=63.0. 2 km SW of Zell Pfarre .
ISC VIII 25 15 27 07.9–1.1 43.34N–.02 17.62E–.02 4–9 101 0-4
RHSSO VIII 25 15 27 07.2–.49 43.32N 17.56E 4–2 2.5L ¶624418021
BEO VIII 25 15 27 08.3–.40 43.36N 17.60E 0–3 2.3L
PDG VIII 25 15 27 08.2–.21 43.33N 17.65E 7–0 2.5L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.6km az=0.0.
ISC VIII 24 00 03 50.9–.83 46.47N–.01 14.36E–.01 11–6 164 0-5
VIE VIII 24 00 03 50.5–.16 46.47N 14.37E 12–2 2.5L,1.9b ¶621007904
LJU VIII 24 00 03 50.3 46.47N 14.36E 12 2.0L,1.9b
ROM VIII 24 00 03 50.8–.42 46.43N–.02 14.36E–.03 7–4 2.2L,1.9b
PRU VIII 24 00 03 52.0 46.53N 14.46E 10 2.2L,1.9b
ISC Event type fe.
VIE Event type fe. Error ellipse: s-maj=0.9km s-min=0.7km az=11.0. 2 km WSW of Zell Pfarre .
LJU Event type se. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=3.0km s-min=1.5km az=40.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PRU Zell Pfarre.
ISC IX 04 05 16 15.4–1.0 45.40N–.01 16.30E–.01 9–8 172 0-6
BEO IX 04 05 16 16.6–.20 45.40N 16.31E 15–3 2.5L ¶621037023
RHSSO IX 04 05 16 17.7–.56 45.38N 16.45E 6–2 2.5L
PRU IX 04 05 16 18.3 45.60N 16.26E 0 2.5L
ISC Event type ke.
BEO Event type ke.
ISC IX 01 23 12 42.3–1.1 42.01N–.02 20.51E–.02 5–9 111 0-4
PDG IX 01 23 12 40.7–.07 41.93N 20.58E 3–0 2.4L ¶621532599
TIR IX 01 23 12 41.2–1.6 42.02N 20.52E 17–8 2.4L
SKO IX 01 23 12 42.2 42.07N 20.52E 15 2.5L
BEO IX 01 23 12 43.6–.40 41.99N 20.49E 5–2 2.0L
RHSSO IX 01 23 12 46.1–.80 42.10N 20.32E 4–2 2.4L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
TIR Event type se. Error ellipse: s-maj=3.5km s-min=7.4km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC IX 02 17 00 49.3–.89 41.33N–.02 22.65E–.03 6–7 50 0-3
SOF IX 02 17 00 48.9 41.34N–.01 22.63E–.01 15–1 2.6 ¶621532602
BEO IX 02 17 00 49.1–.60 41.30N 22.55E 3–3 1.9L
SKO IX 02 17 00 49.2 41.33N 22.62E 10 2.2L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ISC VIII 25 10 15 07.7–.98 45.40N–.01 16.01E–.02 6–8 174 0-6
KRSZO VIII 25 10 15 07.2–1.3 45.38N 15.96E 0 3.2L ¶621007044
VIE VIII 25 10 15 08.7–.52 45.45N 15.95E 7–3 2.9L,2.6b
BEO VIII 25 10 15 08.5–.30 45.41N 16.01E 1–3 3.0L,2.6b
RHSSO VIII 25 10 15 08.7–.62 45.39N 16.02E 4–2 3.1L,2.6b
PRU VIII 25 10 15 12.0 45.67N 16.06E 10 3.1L,2.6b
ISC Event type ke.
KRSZO Event type ke. Error ellipse: s-maj=11.5km s-min=4.9km az=53.0.
VIE Error ellipse: s-maj=3.6km s-min=2.0km az=0.0. 32 km E of Karlovac .
BEO Event type ke.
BEO VIII 30 18 17 37.6–.20 44.16N 21.69E 3–2 1.5L
¶625369836
BEO Event type ke.
ISC IX 04 21 33 45.2–.85 41.44N–.01 22.74E–.01 13–6 220 0-6
ATH IX 04 21 33 44.6 41.45N 22.74E 11–0 2.8L ¶621532627
SKO IX 04 21 33 44.9 41.45N 22.75E 18 2.7L
SOF IX 04 21 33 44.7 41.45N 22.74E–.01 17–1 3.5
BEO IX 04 21 33 45.4–.30 41.48N 22.75E 10–2 2.8L
PDG IX 04 21 33 45.1–.48 41.47N 22.76E 16–1 2.8L
THE IX 04 21 33 45.4 41.5N–.80 23E–1.0 2–2 3.0,3.0
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/04 21:34:04, This location: 2021/09/04 21:46:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
SOF Event type ke.
BEO Event type ke.
PDG Event type ke.
ISC IX 08 11 28 38.7–1.0 44.30N–.02 17.86E–.02 7–7 4.4b 723 1-89
MOS IX 08 11 28 37.3–.87 44.30N 17.79E 12 4.5b ¶626685011
BEO IX 08 11 28 38.5–.30 44.30N 17.86E 8–1 3.9L
ROM IX 08 11 28 38.8–.10 44.303N–.01 17.86E–.01 10 4.0L
IDC IX 08 11 28 38.3–1.0 44.28N 17.74E 0 3.7L,3.7
RHSSO IX 08 11 28 38.9–.24 44.29N 17.91E 9–2 4.0L,3.7
PDG IX 08 11 28 38.5–.39 44.35N 17.94E 11–1 4.2,4.1L
MCSM IX 08 11 28 39.3–1.6 44N–5.0 18E–3.0 12–11 4.4b,4.2b
GFZ IX 08 11 28 39.3–.12 44N–1.0 18E–1.0 10 4.7b,4.5b
NEIC IX 08 11 28 39.3–1.1 44.32N–.04 17.89E–.07 11–5 4.3b,4.5b
GFZ IX 08 11 28 39.3 44.31N 17.88E 10 3.6W,4.5b
PRU IX 08 11 29 03.8 46.09N 17.28E 10 4.3,4.5b
THE IX 08 11 29 50.0 40N–25 21E–19 21–16 2.2,2.2
ISC Event type ke.
BEO Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.15 $M_{\theta\theta}$-1.44 $M_{\phi\phi}$2.59 $M_{r\theta}$1.42 $M_{\theta\phi}$1.10 $M_{\phi r}$0.80 NP1: ϕ_s334.84565°,δ49.59192°,λ-159.24379°. NP2:ϕ_s231.04304°,δ74.34460°,λ-42.31465°. Principal axes: T 3.1872,Plg15.5187°,Azm288.1781°; N -0.4505,Plg45.4000°,Azm34.5327°; P -2.7367,Plg40.4798°,Azm184.4693° M_o2.98754×10^{14}
ISC IX 04 19 07 50.9–.99 43.07N–.01 20.40E–.01 7–8 235 0-8
SOF IX 04 19 07 50.2 43.05N–.02 20.57E–.04 2–3 3.8 ¶621035441
BEO IX 04 19 07 51.2–.10 43.06N 20.42E 4–1 3.2L
RHSSO IX 04 19 07 52.2–.57 43.07N 20.32E 8–2 3.1L
THE IX 04 19 07 52.1 43N–4.0 20E–4.0 2–10 3.0,3.0
PDG IX 04 19 07 52.8–.71 42.99N 20.27E 18–1 3.0,2.9L
PRU IX 04 19 07 55.8 43.10N 20.28E 23 3.0,2.9L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=3.0km az=0.0.
ISC IX 06 00 50 33.4–1.0 45.51N–.02 16.24E–.02 8–9 199 1-14
ROM IX 06 00 50 32.5–.19 45.446N–.00 16.240E–.01 8–1 2.6L ¶621142272
RHSSO IX 06 00 50 32.9–.72 45.44N 16.17E 4–2 2.8L
VIE IX 06 00 50 33.0–.37 45.46N 16.24E 10 2.6L,2.4b
BEO IX 06 00 50 33.2–.20 45.51N 16.22E 8–2 2.9L,2.4b
PRU IX 06 00 50 37.3 45.85N 16.20E 10 2.9L,2.4b
IDC IX 06 00 50 38.3–2.7 45.89N 16.13E 0 3.0,2.7L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.3km az=217.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=3.3km s-min=1.7km az=170.0. 42 km SSE of Zagreb .
BEO Event type ke.
IDC Error ellipse: s-maj=39.2km s-min=15.3km az=39.0.
ISC IX 08 22 54 51.7–1.1 43.48N–.02 17.57E–.01 3–9 159 0-6
RHSSO IX 08 22 54 51.7–.34 43.51N 17.53E 5–2 2.6L ¶621140259
PDG IX 08 22 54 51.7–.45 43.43N 17.50E 3–1 2.7L
BEO IX 08 22 54 53.0–.30 43.48N 17.56E 0 2.5L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.9km az=0.0.
BEO Event type ke.
ISC IX 13 22 21 20.9–.96 41.90N–.01 22.52E–.02 12–8 127 0-3
SOF IX 13 22 21 20.2 41.88N–.01 22.48E–.01 5–2 2.9 ¶621532668
THE IX 13 22 21 21.6 42N–2.0 23E–2.0 0–1 2.3,2.3
SKO IX 13 22 21 22.1 41.80N 22.54E 9 2.4L,2.3
BEO IX 13 22 21 22.2–.30 41.93N 22.48E 1–2 2.5L,2.3
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ISC IX 09 22 15 01.3–1.0 45.22N–.02 15.08E–.02 13–9 139 0-5
BEO IX 09 22 15 02.9–.30 45.19N 15.08E 1–2 2.4L ¶626689917
PRU IX 09 22 15 04.7 45.35N 15.37E 10 2.4L
VIE IX 09 22 15 05.0–.68 45.34N 15.05E 10 2.5L,2.2b
RHSSO IX 09 22 15 10.1–.58 45.30N 15.63E 3 2.5L,2.2b
ISC Event type ke.
BEO Event type ke.
VIE Error ellipse: s-maj=5.0km s-min=3.3km az=165.0. 42 km WSW of Karlovac .
ISC IX 10 18 57 28.6–.97 44.29N–.02 15.69E–.04 12–10 21 0-2
¶635703821
ISC Event type ke.
ISC IX 12 17 30 57.6–.96 42.03N–.02 19.14E–.03 12–6 91 0-3
RHSSO IX 12 17 30 55.9–.88 41.93N 19.24E 6–2 2.5L ¶624418200
TIR IX 12 17 30 56.5–2.0 42.01N 19.13E 21–6 2.3L

BEO IX 12 17 30 57.4–.40 41.94N 19.15E 1 2.2L
PDG IX 12 17 30 57.7–.15 42.04N 19.16E 14–0 2.4L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=7.7km s-min=12.7km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=90.0.
ISC IX 15 12 25 45.9–.86 42.30N–.02 19.51E–.01 18–5 163 0-5
RHSSO IX 15 12 25 44.9–.59 42.30N 19.65E 4–2 3.1L **¶624418232**
ROM IX 15 12 25 45.5–.10 42.29N–.01 19.50E–.01 21–1 3.1L
BEO IX 15 12 25 46.3–.20 42.31N 19.53E 12–1 2.8L
PDG IX 15 12 25 46.1–.20 42.30N 19.51E 14–0 3.0,2.9L
TIR IX 15 12 25 46.0–.37 42.31N 19.53E 15–5 3.1L,2.9L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=1.6km s-min=0.7km az=42.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
TIR Event type se. Presumed earthquake.
ISC IX 14 16 29 56.0–.92 44.15N–.01 16.65E–.01 10–7 336 0-45
IDC IX 14 16 29 55.1–1.1 44.30N 17.04E 0 3.6L,3.5 **¶621073308**
RHSSO IX 14 16 29 56.1–.47 44.18N 16.43E 5–3 3.6L,3.5
PDG IX 14 16 29 56.3–.66 44.20N 16.67E 8–2 3.8L,3.5
BEO IX 14 16 29 57.2–.20 44.17N 16.69E 4 3.5L,3.5
GFZ IX 14 16 29 57.5–.21 44N–2.0 17E–2.0 10 4.1b,3.9
PRU IX 14 16 29 58.4 44.26N 16.60E 0 4.1b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=17.4km s-min=9.9km az=36.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
BEO Event type ke.
GFZ Error ellipse: s-maj=4.6km s-min=4.3km az=86.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 15 02 19 43.4–.62 42.30N–.01 19.52E–.01 18–4 4.0b,3.8s 763 0-123
BGR IX 15 02 19 39.5–.52 41.84N 19.99E 10 4.5L,3.8s **¶621073521**
IDC IX 15 02 19 41.1–.60 42.31N 19.55E 0 3.9b,3.9
SOF IX 15 02 19 41.2 42.33N–.02 19.33E–.05 10–3 4.3,3.9
NAO IX 15 02 19 41.8 42.31N 19.55E 10 3.8b,3.9
GFZ IX 15 02 19 43.7–.12 42N–1.0 19E–1.0 5 5.2,4.9b
RHSSO IX 15 02 19 43.7–.53 42.29N 19.59E 8–2 4.2L,4.9b
ROM IX 15 02 19 43.6–.05 42.283N–.01 19.503E–.01 20–0 4.2L,4.9b
TIR IX 15 02 19 43.1 42.32N 19.53E 24 4.0L,4.9b
THE IX 15 02 19 43.4 42N–4.0 19E–5.0 0–6 3.7,3.7
MCSM IX 15 02 19 44.8–.40 42N–3.0 19E–2.0 13–3 4.7b,4.5
PDG IX 15 02 19 44.0–.11 42.33N 19.50E 21–0 4.2L,4.2
SKO IX 15 02 19 44.7 42.33N 19.50E 14 4.0L,4.2
BEO IX 15 02 19 44.3–.20 42.32N 19.56E 13–1 3.9L,4.2
NEIC IX 15 02 19 44.3–2.6 42.26N–.04 19.47E–.05 21–7 4.1b,4.2
PRU IX 15 02 19 45.7 42.26N 19.74E 20 4.1,4.2
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=10.0km s-min=7.8km az=37.0.
IDC Error ellipse: s-maj=10.2km s-min=9.1km az=167.0.
SOF Event type ke.
NAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.3km az=47.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
TIR Event type se. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=2.6km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 15 02 28 17.3–.84 42.31N–.02 19.53E–.02 18–6 85 0-3
TIR IX 15 02 28 15.8–1.4 42.33N 19.53E 26–4 2.1L **¶624418226**
BEO IX 15 02 28 17.3–.30 42.31N 19.54E 13–1 1.9L
PDG IX 15 02 28 17.3–.13 42.36N 19.49E 20–0 2.5,2.4L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.8km s-min=4.5km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.3km az=90.0.
ISC IX 15 02 38 52.0–.70 42.32N–.01 19.53E–.01 19–1 3.6b 374 0-44
NAO IX 15 02 38 07.3 39.28N 25.74E 10 3.2b **¶626685433**
SOF IX 15 02 38 48.3 42.39N–.01 19.27E–.05 10–3 3.8
IDC IX 15 02 38 49.6–.89 42.41N 19.55E 0 3.7b,3.5
RHSSO IX 15 02 38 50.8–.54 42.27N 19.61E 8–2 3.4L,3.5
BEO IX 15 02 38 51.9–.20 42.31N 19.55E 12–1 3.2L,3.5
PRU IX 15 02 38 51.6 42.14N 19.41E 10 3.2L,3.5
TIR IX 15 02 38 51.0 42.31N 19.51E 24 3.4L,3.5
GFZ IX 15 02 38 52.6–.17 42N–2.0 20E–2.0 10 4.7b,4.3
SKO IX 15 02 38 52.3 42.37N 19.57E 5 3.3L,4.3
PDG IX 15 02 38 52.2–.34 42.35N 19.47E 14–1 3.5,3.4L
THE IX 15 02 38 56.2 42N–30 19E–18 127–36 3.2,3.2
ISC Event type ke.
NAO Event type se. Presumed earthquake.
SOF Event type ke.
BEO Event type ke.
TIR Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
PDG Event type ke.
ISC IX 15 12 26 54.0–.57 42.29N–.01 19.52E–.01 24–4 4.2b,3.6s 708 0-123
BGR IX 15 12 26 50.5–.80 41.94N 20.05E 10 4.3L,3.6s **¶621111983**
SOF IX 15 12 26 52.2 42.34N–.01 19.50E–.04 4–3 4.5,3.6s
ROM IX 15 12 26 53.7–.05 42.275N–.01 19.471E–.01 20–0 4.2L,3.6s
PDG IX 15 12 26 53.9–.29 42.31N 19.52E 19–0 4.2,4.1L
RHSSO IX 15 12 26 53.6–.53 42.29N 19.60E 9–2 4.1L,4.1L
TIR IX 15 12 26 53.2 42.32N 19.51E 25 4.2L,4.1L
THE IX 15 12 26 54.6 42N–3.0 20E–3.0 6–3 3.9,3.9
BEO IX 15 12 26 54.3–.20 42.31N 19.54E 11–1 3.9L,3.9
SKO IX 15 12 26 55.0 42.38N 19.53E 10 4.2L,3.9
GFZ IX 15 12 26 54.3–.13 42N–2.0 19E–2.0 10 4.9b,4.5b
NEIC IX 15 12 26 54.4–2.1 42.25N–.04 19.46E–.05 19–5 4.3b,4.2L
MCSM IX 15 12 26 54.1–.50 42N–3.0 20E–2.0 11–4 4.7b,4.5
NAO IX 15 12 26 55.7 42.37N 19.55E 33 3.6b,4.5
PRU IX 15 12 26 55.4 42.30N 19.51E 10 4.3,4.5
IDC IX 15 12 26 57.3–1.5 42.38N 19.55E 53–15 4.1,3.8L
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=15.6km s-min=11.1km az=49.0.
SOF Event type ke.
ROM Event type se. Error ellipse: s-maj=0.8km s-min=0.4km az=29.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.6km az=0.0.
TIR Event type se. Presumed earthquake.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.7km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=14.9km s-min=11.3km az=175.0.
ISC IX 20 01 01 09.0–1.0 44.55N–.02 18.20E–.02 7–9 393 1-8
PDG IX 20 01 01 08.5–.18 44.58N 18.24E 11–0 3.4L **¶621083214**
BEO IX 20 01 01 09.9–.20 44.55N 18.21E 10–1 3.3L
NEIC IX 20 01 01 10.0–1.7 44.56N–.06 18.18E–.06 10–2 3.4L
RHSSO IX 20 01 01 10.1–.27 44.53N 18.17E 5–2 3.4L
GFZ IX 20 01 01 11.9–.24 45N–2.0 18E–3.0 10 3.9b,3.8
PRU IX 20 01 01 15.2 44.81N 18.32E 10 3.9b,3.8
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.9km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 22 23 32 23.9–.98 45.50N–.02 16.26E–.01 12–8 328 0-17
BEO IX 22 23 32 24.7–.20 45.52N 16.31E 10–1 3.7L **¶621106361**
ROM IX 22 23 32 24.5–.65 45.45N–.03 16.30E–.03 9–3 3.9L
GFZ IX 22 23 32 25.4–.29 46N–3.0 16E–2.0 10 4.5b,4.3b
IDC IX 22 23 32 25.2–1.3 45.64N 16.25E 0 3.7,3.4L
RHSSO IX 22 23 32 25.8–.42 45.44N 16.38E 4–2 3.8L,3.4L
BGR IX 22 23 32 26.1–.49 45.53N 16.37E 10 3.7L,3.4L
BNS IX 22 23 32 32.1–.51 45.70N 15.71E 10 3.7L,3.4L
PRU IX 22 23 32 37.2 46.44N 15.83E 1 3.7L,3.4L
ISC Event type ke.
BEO Event type ke.
ROM Event type se. Error ellipse: s-maj=3.2km s-min=1.5km az=209.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=14.5km s-min=11.8km az=10.0.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=17.0.
BNS Event type ke.
LJU IX 22 04 27 34.8 45.48N 14.35E 10 1.0L
¶635706650
LJU Event type se. Presumed earthquake.
ISC IX 21 05 27 02.7–1.1 45.04N–.04 14.80E–.05 9 13 0-1
¶635703907
ISC Event type ke.
LJU IX 21 23 32 51.1 45.51N 14.80E 13 1.6L
¶624734975
LJU Event type se. Presumed earthquake.
ROM IX 22 18 25 23.3–.37 45.44N–.02 14.41E–.03 10–3 2.2L
LJU IX 22 18 25 23.1 45.50N 14.36E 9 1.7L **¶626505587**
PRU IX 22 18 25 25.6 45.50N 14.38E 1 1.7L
ROM Event type se. Error ellipse: s-maj=2.2km s-min=2.0km az=26.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LJU Event type se. Presumed earthquake.
LJU IX 23 20 38 21.2 46.30N 14.80E 13 0.9L
¶627478965
LJU Event type se. Presumed earthquake.
ISC IX 22 18 41 23.1–1.2 45.08N–.03 14.87E–.03 8–10 35 0-1
¶635703908
ISC Event type ke.
ISC IX 23 20 39 07.7–.99 45.38N–.02 16.36E–.01 11–7 333 0-58
IDC IX 23 20 39 06.4–1.3 45.35N 16.56E 0 3.7,3.5b **¶621108680**
BGR IX 23 20 39 07.2–.87 45.25N 16.64E 10 3.9L,3.5b
PDG IX 23 20 39 08.1–.60 45.40N 16.32E 19–1 3.6L,3.5b
BEO IX 23 20 39 08.4–.30 45.41N 16.32E 3–3 3.7L,3.5b
GFZ IX 23 20 39 09.7–.22 45N–2.0 16E–2.0 10 4.2b,4.0
PRU IX 23 20 39 09.7 45.42N 16.37E 10 4.2b,4.0
RHSSO IX 23 20 39 09.5–.41 45.36N 16.39E 2–2 3.8L,4.0
BNS IX 23 20 39 11.7–.62 45.41N 16.15E 10 4.0L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=18.1km s-min=14.9km az=171.0.
BGR Event type ke. Error ellipse: s-maj=16.7km s-min=7.8km az=89.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BNS Event type ke.
ISC IX 26 01 41 01.9–1.1 41.90N–.02 22.12E–.02 6–9 116 1-3
SOF IX 26 01 41 02.2 41.87N 22.09E–.01 12–1 2.8 **¶621532701**
SKO IX 26 01 41 02.6 41.83N 22.06E 15 2.2L
BEO IX 26 01 41 03.5–.20 41.93N 22.07E 0 2.1L
ATH IX 26 01 41 04.5–.47 41.79N 22.20E 5 2.1L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/26 01:42:48, This location: 2021/09/27 12:50:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 2 km.
ISC IX 29 00 20 30.4–1.0 43.03N–.02 18.18E–.02 7–8 116 0-4
BEO IX 29 00 20 30.6–.30 43.03N 18.14E 7–2 2.1L **¶624418335**
KRSZO IX 29 00 20 30.4–4.6 43.15N 18.54E 13 2.7L
RHSSO IX 29 00 20 30.5–.40 43.02N 18.16E 4–3 2.4L
PDG IX 29 00 20 30.2–.10 43.00N 18.20E 0–11 2.2L
ISC Event type ke.
BEO Event type ke.
KRSZO Event type ke. Error ellipse: s-maj=42.8km s-min=22.5km az=11.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=90.0.
ISC IX 27 13 32 07.4–1.2 45.10N–.03 14.86E–.05 9–12 16 0-1
¶635703854
ISC Event type ke.
ISC X 06 19 57 34.4–.79 43.65N–.02 16.83E–.02 18–5 4.8b,3.8s 1263 0-143
BJI X 06 19 57 25.9 43.09N 16.21E 10 5.2b,4.7b **¶621126629**
BGR X 06 19 57 27.8–1.1 43.08N 17.33E 10 4.6L,4.7b
IDC X 06 19 57 32.3–.41 43.72N 16.93E 0 4.3b,4.3
RHSSO X 06 19 57 32.8–.38 43.58N 16.71E 4–2 4.6L,4.3
MOS X 06 19 57 32.3–1.1 43.64N 16.78E 12 4.7b,4.3
PDG X 06 19 57 32.7–1.5 43.64N 16.76E 5–4 4.7L,4.7
NAO X 06 19 57 33.9 43.71N 16.93E 10 4.7b,4.7
ROM X 06 19 57 33.3–.06 43.616N–.00 16.965E–.01 10 4.7L,4.7
NEIC X 06 19 57 33.5–2.4 43.68N–.05 16.86E–.04 10–1 4.9b,4.7
PRU X 06 19 57 33.7 43.54N 17.05E 10 4.8,4.7
GFZ X 06 19 57 34.2 43.64N 16.82E 14 4.4W,4.7
MED_R X 06 19 57 34.0 43.64N 16.81E 10 4.4W,4.7
BEO X 06 19 57 34.2–.20 43.64N 16.80E 0 4.5L,4.7
GFZ X 06 19 57 36.0–.10 44N–1.0 17E–1.0 10 5.2b,5.0b
LDG X 06 19 57 35.3–.33 43.67N 16.94E 10 4.5L,5.0b
BNS X 06 19 57 40.0–.43 43.86N 16.59E 10 4.7L,5.0b
THE X 06 19 58 31.9 40N–14 20E–13 53–10 3.3,3.3
ISC Event type ke.
BGR Event type ke.
PDG Event type ke.
NAO Event type se. Presumed earthquake.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.30 $M_{\theta\theta}$-4.28 $M_{\phi\phi}$-1.02 $M_{r\theta}$1.04 $M_{\theta\phi}$1.27 $M_{\phi r}$-0.73 NP1: ϕ_s112.40592°,δ51.95942°,λ94.07416°. NP2:ϕ_s285.81248°,δ38.22525°,λ84.81154°. Principal axes: T 5.4690,Plg82.4041°,Azm44.7431°; N -0.6017,Plg3.2077°,Azm289.8927°; P -4.8673,Plg6.8782°,Azm199.5054° M_o5.19432×10^{15}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}2.20±.22 $M_{\theta\theta}$-3.64±.17; $M_{\phi\phi}$0.00±.26; $M_{r\theta}$4.17±.46; $M_{\theta\phi}$1.59±.18; $M_{\phi r}$1.12±.67; NP1: ϕ_s321.00000°,δ30.00000°,λ151.00000°. NP2:ϕ_s77.00000°,δ76.00000°,λ63.00000°. Principal axes: T 5.1800,Plg52.0000°,Azm316.0000°; N 0.7400,Plg26.0000°,Azm84.0000°; P -5.9200,Plg26.0000°,Azm188.0000° M_o5.55000×10^{15}
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
LDG Event type ke.

BNS Event type ke.
ISC X 06 04 58 31.9–1.3 45.41N–.06 16.23E–.03 8–15 16 0-1
¶635783087
ISC Event type ke.
ISC X 06 20 20 22.5–1.3 43.64N–.03 16.69E–.03 2–10 48 0-3
BEO X 06 20 20 23.2–.40 43.64N 16.62E 0 2.5L **¶625375647**
RHSSO X 06 20 20 24.5–.67 43.67N 16.75E 6–2 2.3L
ISC Event type ke.
BEO Event type ke.
ISC IX 30 07 57 26.7–1.1 45.42N–.02 16.26E–.02 6–9 80 0-6
VIE IX 30 07 57 28.8–1.1 45.42N 16.11E 10 2.3L,2.2b **¶621113169**
RHSSO IX 30 07 57 28.1–.81 45.37N 16.11E 4–3 2.7L,2.2b
BEO IX 30 07 57 30.0–.20 45.41N 16.10E 0 2.7L,2.2b
ISC Event type ke.
VIE Error ellipse: s-maj=6.1km s-min=5.4km az=136.0. 43 km S of Zagreb .
BEO Event type ke.
ISC X 06 20 12 20.3–1.1 43.64N–.02 16.84E–.02 4–9 143 0-6
PRU X 06 20 12 19.7 43.66N 17.24E 1 **¶621131594**
PDG X 06 20 12 19.8–.21 43.61N 16.83E 2–0 3.1L
BEO X 06 20 12 20.6–.40 43.64N 16.77E 0–2 2.9L
RHSSO X 06 20 12 20.4–.41 43.63N 16.82E 5–2 2.9L
VIE X 06 20 12 26.7–.68 44.15N 17.08E 8 2.8b,2.5L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=2.3km az=0.0.
BEO Event type ke.
VIE Error ellipse: s-maj=10.8km s-min=5.4km az=52.0. 86 km NE of Split .
ISC X 07 02 31 53.7–1.1 43.63N–.03 16.77E–.03 5–9 60 0-3
RHSSO X 07 02 31 53.7–.60 43.61N 16.72E 6–2 2.4L **¶624418405**
BEO X 07 02 31 54.8–.30 43.65N 16.79E 0 2.5L
ISC Event type ke.
BEO Event type ke.
ISC X 08 18 22 56.5–.00 45.34N–.02 16.37E–.02 14–9 64 0-4
VIE X 08 18 22 56.7–.52 45.32N 16.29E 10 2.3b,2.2L **¶621717724**
KRSZO X 08 18 22 57.3–.93 45.35N 16.37E 2–15 2.6L,2.2L
RHSSO X 08 18 22 58.8–.72 45.37N 16.38E 4–3 2.0L,2.2L
ISC Event type ke.
VIE Error ellipse: s-maj=4.2km s-min=2.0km az=171.0. 58 km SSE of Zagreb .
KRSZO Event type ke. Error ellipse: s-maj=9.6km s-min=4.1km az=47.0.
ISC X 09 13 10 50.9–.78 46.27N–.01 14.67E–.01 17–5 153 0-4
LJU X 09 13 10 50.0 46.27N 14.67E 19 2.5L **¶621145517**
ROM X 09 13 10 50.8–.11 46.258N–.01 14.668E–.01 10 2.6L
VIE X 09 13 10 50.3–.15 46.27N 14.67E 16–1 2.4L,2.2b
PRU X 09 13 10 51.8 46.32N 14.71E 10 2.4L,2.2b
ISC Event type ke.
LJU Event type se. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=1.0km s-min=0.7km az=9.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=1.2km s-min=0.9km az=110.0. 24 km E of Kranj .
ISC X 11 11 39 18.8–.85 45.66N–.02 15.59E–.01 9–6 163 0-6
BEO X 11 11 39 18.9–.30 45.64N 15.60E 8–3 2.9L **¶621144703**
LJU X 11 11 39 18.8 45.66N 15.54E 10 2.8L
VIE X 11 11 39 19.7–.51 45.71N 15.52E 10–1 2.9L,2.6b
RHSSO X 11 11 39 20.0–.77 45.64N 15.64E 5–3 3.1L,2.6b
PRU X 11 11 39 22.9 45.88N 15.71E 10 3.1L,2.6b
ISC Event type ke.
BEO Event type ke.
LJU Event type se. Presumed earthquake.
VIE Error ellipse: s-maj=3.6km s-min=1.7km az=145.0. 24 km N of Karlovac .
ISC X 09 20 55 04.2–1.1 43.66N–.02 16.84E–.02 2–9 94 0-5
PDG X 09 20 55 04.5–.25 43.66N 16.91E 10–1 2.5L **¶625375862**
RHSSO X 09 20 55 04.5–.59 43.64N 16.76E 4–2 2.3L
BEO X 09 20 55 05.3–.30 43.69N 16.87E 0 2.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.9km az=0.0.
BEO Event type ke.
ISC X 11 12 51 10.0–.95 45.65N–.02 15.57E–.03 9–7 32 0-2
LJU X 11 12 51 10.2 45.66N 15.56E 8 1.8L **¶621717764**
VIE X 11 12 51 11.2–.42 45.72N 15.51E 9–3 1.8L,1.8b
ISC Event type se.
LJU Event type se. Presumed earthquake.
VIE Error ellipse: s-maj=2.9km s-min=1.5km az=144.0. 26 km N of Karlovac .
LJU X 11 12 51 25.0 45.66N 15.54E 10 1.5L
¶625604563
LJU Event type se. Presumed earthquake.
ISC X 13 04 22 08.3–1.0 45.39N–.02 16.23E–.01 6–9 112 0-4
KRSZO X 13 04 22 07.6–1.1 45.34N 16.24E 2–0 2.5L **¶621717816**
VIE X 13 04 22 09.8–.67 45.50N 16.22E 10 2.2L,2.2b
BEO X 13 04 22 10.7–.20 45.50N 16.16E 0 2.1L,2.2b
RHSSO X 13 04 22 10.3–.71 45.34N 16.34E 3–2 2.1L,2.2b
ISC Event type ke.
KRSZO Event type ke. Error ellipse: s-maj=9.1km s-min=4.3km az=49.0.
VIE Error ellipse: s-maj=6.0km s-min=2.6km az=3.0. 37 km SSE of Zagreb .
BEO Event type ke.
ISC X 11 15 06 09.0–.88 45.65N–.02 15.17E–.01 9–7 109 0-4
VIE X 11 15 06 08.8–.28 45.67N 15.13E 10–3 2.2L,2.2b **¶621717769**
LJU X 11 15 06 08.6 45.65N 15.15E 12 2.2L,2.2b
ROM X 11 15 06 08.1–.34 45.67N–.03 15.22E–.03 2–3 2.6L,2.2b
KRSZO X 11 15 06 10.4–2.2 45.75N 15.25E 3–13 2.4L,2.2b
RHSSO X 11 15 06 10.9–1.2 45.62N 15.18E 5 2.3L,2.2b
ISC Event type ke.
VIE Error ellipse: s-maj=1.7km s-min=0.9km az=167.0. 39 km WNW of Karlovac .
LJU Event type se. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=3.5km s-min=2.7km az=183.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
KRSZO Event type ke. Error ellipse: s-maj=17.5km s-min=7.1km az=25.0.
ISC X 12 23 37 35.9–.00 43.14N–.02 21.55E–.02 10–9 84 0-3
SOF X 12 23 37 35.8 43.09N–.02 21.50E–.03 2–3 2.7 **¶624418450**
BEO X 12 23 37 37.2–.20 43.12N 21.53E 0 2.1L
TIR X 12 23 37 38.9–1.9 42.96N 21.46E 24–10 2.0L
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=14.6km s-min=16.1km az=-1.0. Presumed earthquake.
ISC X 13 19 10 31.7–1.1 45.10N–.02 14.88E–.03 7–15 25 0-1
¶635783105
ISC Event type ke.
ISC X 13 19 20 14.8–.99 45.46N–.02 16.17E–.02 10–8 119 0-4
VIE X 13 19 20 14.8–.45 45.44N 16.14E 6–1 2.4L,2.1b **¶621149197**
BEO X 13 19 20 15.9–.40 45.53N 16.17E 4–5 2.4L,2.1b
KRSZO X 13 19 20 15.0–1.2 45.44N 16.12E 13 2.7L,2.1b
RHSSO X 13 19 20 17.1–.90 45.44N 16.20E 5–3 2.5L,2.1b
PRU X 13 19 20 18.0 45.79N 16.47E 1 2.5L,2.1b
ISC Event type ke.
VIE Error ellipse: s-maj=3.7km s-min=1.4km az=178.0. 42 km SSE of Zagreb .
BEO Event type ke.
KRSZO Event type ke. Error ellipse: s-maj=8.9km s-min=5.2km az=21.0.
ISC X 15 10 05 34.8–1.0 45.38N–.02 16.29E–.02 6–9 92 0-6
RHSSO X 15 10 05 35.4–.73 45.36N 16.29E 3–2 2.6L **¶621208831**
PRU X 15 10 05 36.1 45.56N 16.54E 1 2.6L
BEO X 15 10 05 36.3–.20 45.48N 16.25E 0 2.5L
ISC Event type ke.
BEO Event type ke.
ISC X 16 16 46 21.0–1.0 45.46N–.02 16.23E–.02 7–9 106 0-6
VIE X 16 16 46 20.9–.31 45.39N 16.24E 10 2.3L,2.3b **¶621204677**
PRU X 16 16 46 22.9 45.52N 16.25E 10 2.3L,2.3b
RHSSO X 16 16 46 22.2–.89 45.36N 16.23E 6–2 2.3L,2.3b
BEO X 16 16 46 22.4–.20 45.43N 16.20E 9–2 2.5L,2.3b
ISC Event type ke.
VIE Error ellipse: s-maj=2.5km s-min=1.3km az=179.0. 49 km SSE of Zagreb .

BEO Event type ke.
ISC X 18 15 07 47.6–1.0 45.37N–.02 16.29E–.02 8–9 85 0-4
PRU X 18 15 07 47.8 45.38N 16.39E 10 **¶621211178**
VIE X 18 15 07 47.4–.43 45.30N 16.20E 10 2.4L,1.9b
RHSSO X 18 15 07 47.6–.80 45.31N 16.15E 6–2 2.5L,1.9b
BEO X 18 15 07 48.6–.20 45.42N 16.30E 14–2 2.5L,1.9b
ISC Event type ke.
VIE Error ellipse: s-maj=3.7km s-min=2.4km az=6.0. 55 km ESE of Karlovac .
BEO Event type ke.
ISC X 17 17 50 49.7–.90 41.82N–.03 22.81E–.03 10–7 29 0-2
SKO X 17 17 50 49.3 41.78N 22.74E 9 2.5L **¶621532790**
BEO X 17 17 50 49.9–.50 41.78N 22.72E 0 1.6L
ISC Event type ke.
BEO Event type ke.
ISC X 24 08 06 17.3–1.0 45.42N–.02 16.03E–.01 5–9 134 0-6
RHSSO X 24 08 06 18.5–.80 45.33N 15.95E 4–2 2.8L **¶621238073**
VIE X 24 08 06 19.1–.54 45.47N 16.04E 10 2.6L,2.3b
PRU X 24 08 06 20.8 45.65N 16.06E 1 2.6L,2.3b
BEO X 24 08 06 20.2–.20 45.34N 15.93E 1–2 2.8L,2.3b
ISC Event type ke.
VIE Error ellipse: s-maj=5.1km s-min=3.6km az=141.0. 37 km S of Zagreb .
BEO Event type ke.
ISC X 24 01 38 44.1–1.1 43.24N–.02 17.99E–.01 3–9 184 0-7
BEO X 24 01 38 44.4–.30 43.24N 17.85E 11–2 2.7L **¶621239076**
PDG X 24 01 38 44.0–.14 43.24N 17.97E 12–0 2.5L
RHSSO X 24 01 38 44.4–.36 43.23N 17.99E 6–3 2.8L
PRU X 24 01 38 50.4 43.30N 17.72E 10 2.8L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.4km az=90.0.
RHSSO X 19 23 19 44.9–.35 44.68N 18.17E 5 1.4L
¶635806554
PDG X 19 23 20 39.8–.07 42.99N 18.84E 9–1 1.3L
¶625424846
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.2km az=0.0.
ISC X 25 20 13 07.5–.78 42.61N–.02 18.98E–.01 15–5 171 0-7
BEO X 25 20 13 07.5–.20 42.59N 18.97E 14–1 2.5L **¶621718047**
PDG X 25 20 13 07.0–.19 42.60N 18.97E 16–1 2.8L,2.8
RHSSO X 25 20 13 07.4–.25 42.60N 19.00E 9–1 2.7L,2.8
VIE X 25 20 13 12.9–1.6 42.76N 18.53E 10 3.5s,2.7b
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
VIE Error ellipse: s-maj=31.6km s-min=12.1km az=50.0. 88 km NNW of Shkoder .
ISC XI 02 13 44 01.5–1.0 45.50N–.02 16.13E–.02 6–9 116 0-6
PRU XI 02 13 44 01.6 45.72N 16.76E 10 **¶621254047**
VIE XI 02 13 44 01.6–.58 45.45N 16.09E 10 2.4L,2.3b
BEO XI 02 13 44 02.9–.40 45.51N 16.10E 0–4 2.7L,2.3b
RHSSO XI 02 13 44 04.2–.73 45.45N 16.29E 7–3 2.7L,2.3b
ISC Event type ke.
VIE Error ellipse: s-maj=3.2km s-min=2.8km az=144.0. 14 km W of Petrinja .
BEO Event type ke.
ISC X 27 08 23 55.7–1.2 42.47N–.02 21.45E–.03 4–10 40 0-3
SKO X 27 08 23 55.7 42.45N 21.36E 15 2.6L **¶621532823**
BEO X 27 08 23 56.9–.30 42.49N 21.50E 0–2 2.1L
ISC Event type ke.
BEO Event type ke.
ISC X 27 16 59 55.2–1.1 42.42N–.02 21.03E–.02 5–9 121 1-4
SKO X 27 16 59 55.4 42.37N 20.97E 10 2.4L **¶621532825**
TIR X 27 16 59 55.5–1.9 42.36N 20.98E 9–7 2.4L
BEO X 27 16 59 56.3–.30 42.44N 21.03E 3–1 2.2L
RHSSO X 27 16 59 57.2–.73 42.51N 21.03E 4–3 2.4L
PDG X 27 16 59 57.0–.06 42.46N 20.91E 0–11 2.5L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=6.6km s-min=9.9km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.3km az=0.0.
ISC X 30 21 32 36.3–.95 44.48N–.01 20.68E–.01 8–8 413 0-19
SOF X 30 21 32 34.6 44.46N–.01 20.63E–.01 5–2 4.1 **¶621244526**
PDG X 30 21 32 35.3–.30 44.49N 20.71E 10–1 3.5L
RHSSO X 30 21 32 35.6–.58 44.47N 20.76E 7–2 3.8L
BEO X 30 21 32 36.4–.10 44.48N 20.73E 11–1 3.7L
GFZ X 30 21 32 37.5–.17 45N–2.0 21E–2.0 10 4.0b,4.0
MCSM X 30 21 32 37.3–4.5 45N–5.0 21E–2.0 10–37 4.0b,4.0
PRU X 30 21 32 56.5 45.86N 19.52E 0 4.0b,4.0
ISC Event type ke.
SOF Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.7km az=0.0.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 16 11 35 23.1–1.1 45.43N–.02 16.27E–.02 8–9 60 0-4
VIE XI 16 11 35 24.6–.50 45.48N 16.25E 10 2.4L,2.2b **¶621718343**
RHSSO XI 16 11 35 24.7–.90 45.40N 16.25E 5–3 2.7L,2.2b
ISC Event type se.
VIE Error ellipse: s-maj=4.1km s-min=1.9km az=4.0. 5 km NNW of Petrinja .
ISC XI 02 23 25 46.4–.95 43.98N–.01 20.90E–.01 6–7 3.5b 602 0-42
SOF XI 02 23 25 41.8 43.95N–.02 20.66E–.06 2–9 4.4 **¶635746107**
BGR XI 02 23 25 44.7–.60 43.94N 21.50E 10 3.8L
RHSSO XI 02 23 25 45.7–.59 43.96N 20.95E 8–2 3.9L
AFAD XI 02 23 25 45.6 43.88N 20.96E 7–2 3.9L
MCSM XI 02 23 25 45.8–1.7 44N–3.0 21E–2.0 8–14 4.2,4.1b
PDG XI 02 23 25 45.4–.48 43.94N 20.88E 13–0 3.7,3.6L
NEIC XI 02 23 25 46.4–1.5 43.98N–.05 20.89E–.04 10–1 3.9b,3.6L
BEO XI 02 23 25 46.4–.10 43.95N 20.92E 9–1 3.9L,3.6L
GFZ XI 02 23 25 46.7 43.97N 20.92E 11 3.9W,3.6L
IDC XI 02 23 25 47.9–1.0 44.21N 20.87E 0 3.6,3.4L
PRU XI 02 23 25 47.2 44.05N 21.11E 10 3.9,3.4L
GFZ XI 02 23 25 47.5–.15 44N–2.0 21E–2.0 10 4.8b,4.3b
BNS XI 02 23 25 49.6–.38 44.07N 20.80E 10 4.4L,4.3b
ISC Event type ke.
SOF Event type ke.
BGR Event type ke. Error ellipse: s-maj=23.3km s-min=8.9km az=35.0.
AFAD Event type se. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.4km az=2.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.48 $M_{\theta\theta}$4.03 $M_{\phi\phi}$4.51 $M_{r\theta}$0.26 $M_{\theta\phi}$6.62 $M_{\phi r}$1.36 NP1: ϕ_s343.36106°,δ86.38888°,λ171.55263°. NP2:ϕ_s73.89699°,δ81.56952°,λ3.65062°. Principal axes: T 8.3114,Plg8.5229°,Azm298.3723°; N -0.6537,Plg80.8183°,Azm140.3792° ; P -7.6577,Plg3.3900°,Azm28.8810° $M_0$8.00456×10^{14}
IDC Error ellipse: s-maj=15.6km s-min=9.1km az=2.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BNS Event type ke.
ISC XI 15 03 41 33.4–1.3 45.09N–.04 14.89E–.05 15–13 12 0-1
¶635889850
ISC Event type ke.
ISC XI 04 08 40 29.6–1.1 45.47N–.02 16.21E–.02 5–9 101 0-6
PRU XI 04 08 40 30.5 45.56N 16.34E 1 **¶621384511**
RHSSO XI 04 08 40 32.6–.92 45.46N 16.24E 5–3 2.8L
BEO XI 04 08 40 33.9–.50 45.26N 15.99E 0 2.7L
ISC Event type ke.
BEO Event type ke.
ISC XI 06 01 02 20.8–1.1 43.17N–.02 17.15E–.02 3–9 239 0-7
PRU XI 06 01 02 21.1 43.11N 17.11E 1 **¶621370660**
BEO XI 06 01 02 21.9–.20 43.20N 17.14E 0 3.0L

RHSSO XI 06 01 02 21.8–.43 43.15N 17.16E 6–2 3.0L
PDG XI 06 01 02 21.0–.33 43.17N 17.16E 4–0 3.0L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
ISC XI 08 11 55 45.9–1.1 44.29N–.02 17.83E–.02 7–9 93 1-3
KRSZO XI 08 11 55 38.9–12 44.28N 16.80E 11 2.4L ¶625380877
PDG XI 08 11 55 45.1–.15 44.27N 17.83E 8–0 2.5L
BEO XI 08 11 55 46.8–.30 44.32N 17.81E 0 1.9L
RHSSO XI 08 11 55 46.2–.25 44.27N 17.81E 6–2 2.1L
ISC Event type ke.
KRSZO Event type ke. Error ellipse: s-maj=101.7km s-min=56.0km az=19.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
BEO Event type ke.
ISC XI 12 22 21 03.3–1.0 45.42N–.01 16.17E–.01 6–8 385 0-7
ROM XI 12 22 21 03.4–.21 45.44N–.04 16.24E–.03 10 3.3L ¶621402607
VIE XI 12 22 21 04.7–.38 45.47N 16.12E 10 3.3L,2.8b
BEO XI 12 22 21 04.5–.20 45.46N 16.15E 9–1 3.5L,2.8b
RHSSO XI 12 22 21 04.8–.43 45.41N 16.21E 8–2 3.6L,2.8b
GFZ XI 12 22 21 05.2–.21 45N–2.0 16E–3.0 10 4.2b,3.6
BGR XI 12 22 21 06.7–.44 45.43N 16.15E 10 3.5L,3.6
PRU XI 12 22 21 07.8 45.69N 16.13E 1 3.5L,3.6
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=4.7km s-min=0.9km az=34.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=3.0km s-min=2.1km az=175.0.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke. Error ellipse: s-maj=7.8km s-min=5.6km az=67.0.
ISC XI 29 02 23 25.7–1.0 44.33N–.02 15.66E–.03 8–8 40 0-4
VIE XI 29 02 23 24.0–1.1 44.34N 15.70E 2–5 2.5b,2.1L ¶621718540
RHSSO XI 29 02 23 28.7–1.1 44.36N 15.85E 6–4 2.1L,2.1L
ISC Event type se.
VIE Error ellipse: s-maj=7.8km s-min=6.2km az=28.0. 35 km SE of Gospic .
ISC XI 16 22 13 51.7–1.1 43.89N–.02 16.81E–.02 2–10 115 0-5
RHSSO XI 16 22 13 52.8–.47 43.94N 16.62E 6–3 2.6L ¶621718351
BEO XI 16 22 13 54.7–.50 43.97N 16.81E 3–3 2.4L
VIE XI 16 22 13 56.7–1.4 44.07N 16.87E 10 2.7b,2.3L
ISC Event type ke.
BEO Event type ke.
VIE Error ellipse: s-maj=17.6km s-min=12.5km az=48.0. 45 km NNE of Sinj .
ISC XI 17 18 09 55.7–1.0 42.32N–.02 21.05E–.01 8–9 132 0-4
SOF XI 17 18 09 54.9 42.27N–.03 21.02E–.05 10–3 2.6 ¶624418774
TIR XI 17 18 09 55.8–2.0 42.23N 21.02E 29–9 2.4L
SKO XI 17 18 09 56.6 42.27N 21.05E 15 2.6L
BEO XI 17 18 09 57.4–.20 42.42N 21.03E 4–1 2.4L
RHSSO XI 17 18 09 57.7–.74 42.39N 21.06E 4–3 2.6L
PDG XI 17 18 09 59.0–.13 42.40N 20.83E 2–0 2.5L
ISC Event type ke.
SOF Event type ke.
TIR Event type se. Error ellipse: s-maj=7.8km s-min=13.2km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
ISC XI 28 07 01 38.2–.97 42.78N–.02 19.35E–.01 5–8 110 0-3
TIR XI 28 07 01 36.5–.61 42.80N 19.37E 3–3 2.6L ¶624418897
BEO XI 28 07 01 38.8–.20 42.78N 19.35E 6–1 2.4L
RHSSO XI 28 07 01 38.5–.26 42.76N 19.31E 6–2 2.7L
PDG XI 28 07 01 38.1–.31 42.76N 19.32E 12–1 2.6,2.5L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.6km s-min=2.9km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
ISC XI 28 17 58 47.7–.98 42.34N–.02 21.06E–.01 11–9 127 0-4
RHSSO XI 28 17 58 47.9–.76 42.35N 21.14E 4–3 2.8L ¶622050546
THE XI 28 17 58 48.9 42N–4.0 21E–4.0 8–14 2.4,2.4
SKO XI 28 17 58 48.4 42.30N 21.02E 15 2.7L,2.4
SOF XI 28 17 58 48.5 42.32N–.01 21.07E–.02 16–3 3.3,2.4
BEO XI 28 17 58 49.1–.20 42.36N 21.07E 12–1 2.6L,2.4
TIR XI 28 17 58 49.2–3.3 42.27N 20.92E 14–16 2.5L,2.4
ISC Event type ke.
SOF Event type ke.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=10.7km s-min=18.0km az=-1.0. Presumed earthquake.
ISC XI 25 02 14 53.2–.89 41.42N–.02 22.68E–.02 10–7 59 0-3
SKO XI 25 02 14 53.0 41.41N 22.68E 13 2.0L ¶624418867
BEO XI 25 02 14 53.9–.40 41.45N 22.65E 0 2.2L
SOF XI 25 02 14 53.1 41.41N 22.72E 15–1 3.1
ISC Event type ke.
BEO Event type ke.
SOF Event type ke.
ISC XI 29 03 08 23.3–1.1 42.37N–.02 21.03E–.01 2–10 158 0-6
SKO XI 29 03 08 22.5 42.42N 21.05E 7 2.8L ¶624418902
RHSSO XI 29 03 08 23.2–.74 42.32N 21.10E 5–3 2.8L
SOF XI 29 03 08 24.7 42.36N–.01 21.04E–.01 22–2 3.3
TIR XI 29 03 08 24.3–3.4 42.26N 20.93E 4–14 2.6L
PDG XI 29 03 08 24.8–.35 42.37N 20.93E 1–1 2.8L
BEO XI 29 03 08 24.7–.20 42.37N 21.05E 7–1 2.7L
ISC Event type ke.
SOF Event type ke.
TIR Event type se. Error ellipse: s-maj=10.5km s-min=16.4km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.3km az=0.0.
BEO Event type ke.
ISC XII 03 10 19 10.5–1.0 43.09N–.02 17.95E–.02 7–9 85 0-2
RHSSO XII 03 10 19 10.2–.50 43.09N 17.92E 5–3 2.6L ¶624418952
PDG XII 03 10 19 10.4–.08 43.07N 17.95E 12–0 2.6L
BEO XII 03 10 19 11.2–.30 43.07N 17.93E 4–3 2.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=90.0.
BEO Event type ke.
ISC XII 01 00 27 21.1–1.3 41.77N–.04 22.73E–.06 15–8 14 0-2
SOF XII 01 00 27 21 41.77N–.01 22.71E–.01 15–2 2.8 ¶624427395
SKO XII 01 00 27 22.3 41.73N 22.72E 2 2.8L
ISC Event type ke.
SOF Event type ke.
ISC XII 02 05 55 13.2–.77 45.50N–.01 14.44E–.01 13–5 266 0-6
LJU XII 02 05 55 12.5 45.51N 14.45E 16 2.9L ¶621614038
RHSSO XII 02 05 55 13.3–.55 45.36N 14.50E 7 3.1L
ROM XII 02 05 55 13.1–.10 45.499N–.01 14.456E–.01 10 3.3L
BEO XII 02 05 55 14.0–.20 45.51N 14.46E 2–1 2.9L
PRU XII 02 05 55 14.1 45.47N 14.38E 10 2.9L
ISC Event type ke.
LJU Event type se. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=0.9km s-min=0.7km az=11.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC XII 02 13 56 06.4–.99 45.88N–.03 16.04E–.03 8–6 22 0-2
¶636160826
ISC Event type ke.
ISC XI 30 04 16 13.5–.95 45.21N–.02 16.26E–.02 13–8 124 0-4
RHSSO XI 30 04 16 13.9–.71 45.12N 16.22E 5–2 2.8L ¶621608978
BEO XI 30 04 16 13.7–.30 45.23N 16.28E 9–3 2.8L
VIE XI 30 04 16 15.0–.91 45.35N 16.16E 10 2.5b,2.4L
PRU XI 30 04 16 16.5 45.35N 16.21E 10 2.5b,2.4L
ISC Event type ke.
BEO Event type ke.
VIE Error ellipse: s-maj=6.1km s-min=2.9km az=174.0. 14 km SW of Petrinja .
ISC XII 03 10 44 32.1–1.0 43.10N–.02 17.95E–.02 6–9 106 0-3
RHSSO XII 03 10 44 31.8–.48 43.09N 17.91E 5–3 2.8L ¶624418954
BEO XII 03 10 44 32.2–.30 43.10N 17.94E 6–3 2.6L
PDG XII 03 10 44 32.2–.12 43.07N 17.96E 12–0 3.1,3.0L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.3km az=90.0.
ISC XII 06 05 43 37.1–.79 42.46N–.02 19.44E–.02 16–5 94 0-4
BEO XII 06 05 43 36.7–.40 42.43N 19.45E 11–2 2.4L ¶624418982
PDG XII 06 05 43 36.5–.09 42.43N 19.43E 21–0 2.6,2.5L
RHSSO XII 06 05 43 36.9–.64 42.48N 19.42E 9–2 2.5L,2.5L
TIR XII 06 05 43 36.8–1.8 42.45N 19.49E 10–7 2.5L,2.5L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.1km s-min=0.1km az=0.0.
TIR Event type se. Error ellipse: s-maj=5.6km s-min=4.9km az=-1.0. Presumed earthquake.
ISC XII 08 06 54 02.4–1.1 44.39N–.02 17.34E–.02 7–9 101 0-4
RHSSO XII 08 06 54 02.5–.33 44.39N 17.34E 6–2 2.6L ¶621718703
BEO XII 08 06 54 02.4–.30 44.40N 17.37E 5–2 2.5L
ISC Event type ke.
BEO Event type ke.
ISC XII 07 02 45 17.0–.81 45.50N–.02 14.42E–.02 14–5 116 0-4
LJU XII 07 02 45 16.9 45.51N 14.44E 15 2.0L ¶625695358
ROM XII 07 02 45 16.2–.30 45.47N–.01 14.433E–.01 8–2 2.6L
PRU XII 07 02 45 19.3 45.53N 14.43E 1 2.6L
ISC Event type se.
LJU Event type se. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=1.1km s-min=0.9km az=13.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XII 08 20 47 50.9–1.1 45.38N–.02 16.36E–.02 9–10 40 0-4
PRU XII 08 20 47 46.6 45.33N 16.62E 10 ¶621624241
VIE XII 08 20 47 50.5–.55 45.32N 16.39E 11–1 2.5b,2.1L
RHSSO XII 08 20 47 52.5–.97 45.35N 16.34E 6–3 2.1L,2.1L
ISC Event type se.
VIE Error ellipse: s-maj=4.1km s-min=3.1km az=29.0. 16 km SSE of Petrinja .
ISC XII 13 05 48 39.7–.83 41.03N–.02 22.51E–.01 9–6 155 0-5
THE XII 13 05 48 39.8 41.0N–.90 22.5E–.60 0–1 3.1,3.1 ¶622050719
ATH XII 13 05 48 39.2 41.04N 22.50E 11–1 3.1L,3.1
SKO XII 13 05 48 39.1 41.02N 22.50E 15 3.0L,3.1
BEO XII 13 05 48 41.7–.30 41.13N 22.62E 13–2 2.9L,3.1
SOF XII 13 05 48 44.3 41.27N–.05 22.76E–.06 2–1 3.1,3.1
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/13 05:49:48, This location: 2021/12/13 05:54:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
SOF Event type ke.
ISC XII 15 07 23 45.6–1.1 45.26N–.03 16.36E–.03 10–10 26 0-1
¶636160844
ISC Event type ke.
ISC XII 15 14 59 15.9–.82 45.61N–.02 14.43E–.01 10–6 122 0-5
ROM XII 15 14 59 15.0–.38 45.60N–.01 14.442E–.01 10–2 2.8L ¶621631332
LJU XII 15 14 59 15.9 45.63N 14.45E 8 2.5L
PRU XII 15 14 59 19.2 45.75N 14.50E 1 2.5L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=1.2km s-min=0.3km az=7.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LJU Event type se. Presumed earthquake.
ISC XII 17 10 49 39.4–1.1 41.90N–.01 22.28E–.02 3–10 134 1-4
SOF XII 17 10 49 38.6 41.89N 22.24E–.01 14–1 3.3 ¶622050755
PDG XII 17 10 49 39.5–.40 41.91N 22.28E 11–1 3.0L
THE XII 17 10 49 40.8 42N–2.0 22E–2.0 0–1 2.6,2.6
BEO XII 17 10 49 40.0–.30 41.89N 22.28E 6–2 2.8L,2.6
ISC Event type ke.
SOF Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
BEO Event type ke.
ISC XII 16 11 36 19.8–1.4 45.04N–.03 14.94E–.04 12–13 16 0-1
¶636160958
ISC Event type ke.
ISC XII 25 07 18 21.2–.72 46.48N–.01 16.23E–.01 11–4 487 0-65
ROM XII 25 07 18 20.8–.14 46.484N–.01 16.23E–.02 10–0 3.6L ¶621653209
IDC XII 25 07 18 20.8–1.4 46.47N 16.23E 0 3.7,3.5b
RHSSO XII 25 07 18 20.1–.66 46.50N 16.11E 11–3 3.6L,3.5b
VIE XII 25 07 18 21.6–.22 46.50N 16.15E 9–1 3.6L,3.2b
GFZ XII 25 07 18 21.9–.25 46N–3.0 16E–2.0 10 4.3b,3.9
LJU XII 25 07 18 21.4 46.49N 16.17E 2 3.2L,3.9
BEO XII 25 07 18 21.3–.30 46.47N 16.27E 11–3 3.6L,3.9
KRSZO XII 25 07 18 21.3–.80 46.47N 16.21E 5–9 3.7L,3.9
BGR XII 25 07 18 22.0–.56 46.43N 16.34E 10 3.7L,3.9
PRU XII 25 07 18 24.4 46.54N 16.31E 15 3.7L,3.9
BNS XII 25 07 18 26.8–.82 46.65N 15.97E 15 4.0L,3.9
ISC Event type fe.
ROM Event type se. Error ellipse: s-maj=1.9km s-min=0.7km az=84.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=14.5km s-min=12.4km az=147.0.
VIE Event type fe. Error ellipse: s-maj=1.7km s-min=1.0km az=127.0. 23 km ENE of Ptuj .
GFZ Error ellipse: s-maj=6.1km s-min=3.8km az=167.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
LJU Event type se. Presumed earthquake.
BEO Event type ke.
KRSZO Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=102.0.
BGR Event type ke. Error ellipse: s-maj=10.0km s-min=5.6km az=164.0.
BNS Event type ke.
ISC XII 21 14 44 12.1–.85 45.76N–.01 15.25E–.01 8–6 370 0-16
LJU XII 21 14 44 11.7 45.75N 15.23E 6 3.1L ¶621636613
VIE XII 21 14 44 12.2–.51 45.77N 15.27E 10 3.4L,3.0b
MCSM XII 21 14 44 12.8–.60 46N–4.0 15E–3.0 17–4 4.1b,3.7
BEO XII 21 14 44 12.8–.20 45.78N 15.21E 3–1 3.3L,3.7
ROM XII 21 14 44 12.2–.11 45.715N–.01 15.25E–.01 10 3.7L,3.7
GFZ XII 21 14 44 14.0–.27 46N–3.0 15E–2.0 10 4.0b,3.7
PRU XII 21 14 44 13.1 45.85N 15.39E 1 4.0b,3.7
RHSSO XII 21 14 44 13.0–.59 45.75N 15.25E 5–3 3.5L,3.7
BGR XII 21 14 44 18.2–.65 46.14N 15.34E 10 3.2L,3.7
ISC Event type ke.
LJU Event type se. Presumed earthquake.
VIE Error ellipse: s-maj=3.6km s-min=2.6km az=157.0. 8 km ESE of Novo Mesto .
BEO Event type ke.
ROM Event type se. Error ellipse: s-maj=1.0km s-min=0.7km az=18.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke. Error ellipse: s-maj=10.0km s-min=8.9km az=88.0.
ISC XII 25 17 59 58.1–1.1 43.19N–.02 17.99E–.02 5–10 69 0-3
BEO XII 25 17 59 58.9–.30 43.25N 17.99E 9–2 2.0L ¶625357112
RHSSO XII 25 17 59 59.7–.45 43.18N 18.03E 6–4 2.2L
KRSZO XII 25 18 00 02.8–7.8 43.22N 17.54E 7 2.9L
ISC Event type ke.
BEO Event type ke.
KRSZO Event type ke. Error ellipse: s-maj=71.7km s-min=41.0km az=15.0.
LJU XII 29 05 08 34.3 46.13N 14.35E 16 0.3L
¶625695486
LJU Event type se. Presumed earthquake.
ISC XII 30 13 47 18.4–.96 45.49N–.01 16.39E–.01 10–8 289 0-7
ROM XII 30 13 47 17.7–.39 45.46N–.03 16.47E–.03 10 3.2L ¶621657526
KRSZO XII 30 13 47 17.9–1.0 45.48N 16.37E 0–7 3.5L
BEO XII 30 13 47 18.4–.30 45.58N 16.43E 4–2 3.3L
RHSSO XII 30 13 47 19.9–.44 45.43N 16.36E 5–2 3.3L
PRU XII 30 13 47 20.9 45.66N 16.31E 1 3.3L

ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=3.8km s-min=2.4km az=355.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
KRSZO Event type ke. Error ellipse: s-maj=21.8km s-min=5.1km az=42.0.
BEO Event type ke.

ISC	**XII**	**29 14 16 48.4–.83**	**45.60N–.02**	**14.48E–.01**	**9–6**		**163**	**0-5**
LJU	XII	29 14 16 48.2	45.63N	14.45E	11	2.4L	**¶621657453**	
VIE	XII	29 14 16 48.4–.19	45.62N	14.46E	6–3	2.7L,2.4b		
ROM	XII	29 14 16 48.4–.25	45.60N–.02	14.47E–.02	10	2.8L,2.4b		
PRU	XII	29 14 16 52.0	45.74N	14.31E	10	2.8L,2.4b		

ISC Event type se.
LJU Event type se. Presumed earthquake.
VIE Error ellipse: s-maj=1.4km s-min=0.8km az=173.0. 18 km ENE of Ilirska Bistrica .
ROM Event type se. Error ellipse: s-maj=2.4km s-min=1.2km az=8.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

(384) West of Gibraltar.

ISC	**VII**	**03 03 30 56.1–1.6**	**36.51N–.03**	**9.88W–.05**	**34–3**		**226**	**1-8**
CNRM	VII	03 03 30 58.1	36.35N	9.73W	26		**¶620733163**	
MDD	VII	03 03 30 58.4–.45	36.54N	9.95W	28–7	3.3		
SFS	VII	03 03 30 58.7	36.52N	9.91W	31	3.7L,3.6b		
INMG	VII	03 03 31 00.1–1.2	36.54N	9.88W	32–6	2.6L,3.6b		
IGIL	VII	03 03 31 00.1	36.53N	9.83W	30	2.6L,3.6b		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.3km s-min=2.4km az=57.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=65.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Cabo S.Vicente.

ISC	**VII**	**03 06 32 36.4–1.3**	**36.52N–.04**	**8.33W–.03**	**31–12**		**111**	**1-6**
CNRM	VII	03 06 32 35.4	36.38N	8.42W	29		**¶620929019**	
SFS	VII	03 06 32 38.9	36.60N	8.31W	22	2.7L,2.5L		
MDD	VII	03 06 32 38.3–.67	36.56N	8.35W	25–6	2.7,2.5L		
IGIL	VII	03 06 32 39.2	36.58N	8.34W	21	2.2L,2.5L		
INMG	VII	03 06 32 39.4–1.6	36.55N	8.36W	31–10	2.2L,2.5L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.3km s-min=3.1km az=47.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=75.0. #DIST_RANGE: LOCAL #IPMA_REGION: SW Albufeira.

ISC	**VII**	**05 00 29 51.8–1.5**	**36.63N–.03**	**9.56W–.05**	**32–12**		**205**	**1-9**
CNRM	VII	05 00 29 50.6	36.51N	9.51W	8		**¶620733781**	
SFS	VII	05 00 29 54.4	36.64N	9.61W	31	3.9b,3.8L		
MDD	VII	05 00 29 55.5–.48	36.73N	9.43W	15–2	3.3,3.8L		
INMG	VII	05 00 29 56.5–1.3	36.67N	9.53W	37	2.6L,3.8L		
IGIL	VII	05 00 29 57.3	36.67N	9.52W	31	2.8L,3.8L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=59.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=76.0. #DIST_RANGE: LOCAL #IPMA_REGION: SW Cabo S.Vicente.

ISC	**VII**	**22 11 57 58.1–1.9**	**36.55N–.05**	**9.87W–.07**	**28–13**		**111**	**1-6**
CNRM	VII	22 11 57 58.9	36.45N	9.85W	30	3.2L	**¶620845118**	
SFS	VII	22 11 57 58.3	36.57N	9.89W	16	2.7L,2.7		
MDD	VII	22 11 57 59.1–.75	36.52N	9.84W	17–5	2.9,2.7		
IGIL	VII	22 11 58 01.2	36.61N	9.78W	14	1.9L,2.7		
INMG	VII	22 11 58 01.0–1.4	36.62N	9.78W	12–5	2.0L,2.7		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.5km s-min=3.5km az=76.0.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=3.5km az=44.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Cabo S.Vicente.

ISC	**VII**	**25 01 49 26.8–1.5**	**36.31N–.04**	**9.82W–.08**	**87–17**		**72**	**1-6**
CNRM	VII	25 01 49 23.1	36.26N	9.86W	10		**¶620845817**	
MDD	VII	25 01 49 28.4–.70	36.32N	9.90W	58–33	3.4b		
INMG	VII	25 01 49 29.7–1.0	36.34N	9.91W	31	1.6L		
IGIL	VII	25 01 49 29.4	36.33N	9.90W	30	1.4L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.7km s-min=4.2km az=82.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=92.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Cabo S.Vicente.

ISC	**VII**	**25 02 59 50.2–1.2**	**36.39N–.03**	**8.05W–.04**	**60–17**		**93**	**1-6**
CNRM	VII	25 02 59 47.0	36.26N	8.14W	10		**¶620929480**	
MDD	VII	25 02 59 52.1–.41	36.45N	8.08W	30	2.8		
INMG	VII	25 02 59 53.4–1.2	36.45N	8.09W	34	1.6L		
IGIL	VII	25 02 59 54.0	36.45N	8.07W	31	1.7L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=56.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=52.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Faro.

ISC	**VIII**	**04 19 42 10.6–2.5**	**36.7N–.10**	**9.8W–.10**	**20–5**		**96**	**1-6**
SFS	VIII	04 19 42 10.0	36.52N	9.93W	27	3.8b,3.2L	**¶621012577**	
MDD	VIII	04 19 42 10.5–.84	36.60N	9.82W	16–4	2.7,3.2L		
INMG	VIII	04 19 42 11.9–1.3	36.64N	9.78W	13–5	1.9L,3.2L		
CNRM	VIII	04 19 42 11.2	36.25N	9.60W	52	1.9L,3.2L		
IGIL	VIII	04 19 42 12.0	36.65N	9.80W	14	1.6L,3.2L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=5.5km az=115.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=43.0. #DIST_RANGE: LOCAL #IPMA_REGION: SW Cabo S.Vicente.

ISC	**VIII**	**13 04 09 54.8–1.1**	**36.95N–.03**	**8.88W–.04**	**25–4**		**153**	**0-6**
CNRM	VIII	13 04 09 53.8	36.81N	8.81W	4		**¶621012607**	
MDD	VIII	13 04 09 54.9–.46	36.95N	8.89W	21–1	2.7		
SFS	VIII	13 04 09 55.5	36.96N	8.88W	21	2.8L,2.7		
INMG	VIII	13 04 09 56.0–1.8	36.96N	8.87W	22–1	2.3L,2.7		
IGIL	VIII	13 04 09 56.0	36.96N	8.86W	24	2.4L,2.7		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=63.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=70.0. #DIST_RANGE: LOCAL #IPMA_REGION: SE Cabo S.Vicente.

ISC	**VIII**	**06 04 02 45.4–1.3**	**36.54N–.03**	**8.09W–.04**	**29–13**		**85**	**1-6**
CNRM	VIII	06 04 02 42.4	36.45N	7.91W	10		**¶621012585**	
MDD	VIII	06 04 02 48.1–.53	36.64N	8.09W	19–4	2.8		
SFS	VIII	06 04 02 48.6	36.62N	8.10W	29	2.6L,2.4		
IGIL	VIII	06 04 02 49.4	36.67N	8.10W	19	1.5L,2.4		
INMG	VIII	06 04 02 49.0–1.5	36.65N	8.11W	21–3	1.6L,2.4		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=82.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Faro.

ISC	**VIII**	**16 16 00 38.6–1.8**	**35.58N–.04**	**9.90W–.07**	**24–16**		**95**	**2-6**
CNRM	VIII	16 16 00 37.9	35.52N	10.32W	76	5.6L	**¶620989841**	
SFS	VIII	16 16 00 42.0	35.59N	9.93W	36	3.3L,3.2		
MDD	VIII	16 16 00 41.3–.83	35.67N	9.98W	22–9	2.9,3.2		
INMG	VIII	16 16 00 43.4–1.5	35.63N	9.93W	31–18	2.1L,3.2		
IGIL	VIII	16 16 00 43.9	35.63N	9.92W	31	2.4L,3.2		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.8km s-min=4.3km az=73.0.
INMG Event type ke. Error ellipse: s-maj=11.4km s-min=6.4km az=55.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Mar de Marrocos.

ISC	**VIII**	**14 20 40 54.7–1.7**	**36.66N–.04**	**9.75W–.06**	**16–10**		**93**	**1-6**
SFS	VIII	14 20 41 00.3	36.76N	9.72W	23	2.9L,2.8	**¶621012613**	
CNRM	VIII	14 20 41 01.8	36.55N	9.11W	22	2.9L,2.8		
INMG	VIII	14 20 41 01.7–1.1	36.78N	9.67W	22–4	1.8L,2.8		
MDD	VIII	14 20 41 01.3–1.1	36.83N	9.67W	22–7	2.6,2.8		
IGIL	VIII	14 20 41 01.4	36.77N	9.69W	21	1.8L,2.8		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=38.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Cabo S.Vicente.
MDD Event type ke. Error ellipse: s-maj=9.3km s-min=6.6km az=20.0.

ISC	**VIII**	**22 23 07 51.5–1.7**	**36.46N–.04**	**9.88W–.07**	**29–14**		**128**	**1-6**
CNRM	VIII	22 23 07 51.9	36.42N	9.98W	52		**¶621012630**	
SFS	VIII	22 23 07 52.9	36.48N	9.93W	20	3.4L,3.3L		
MDD	VIII	22 23 07 54.4–.80	36.49N	9.91W	41–32	2.8,3.3L		
INMG	VIII	22 23 07 55.5–1.2	36.49N	9.86W	31–9	2.0L,3.3L		
IGIL	VIII	22 23 07 56.2	36.48N	9.85W	31	2.0L,3.3L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=77.0.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=69.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Cabo S.Vicente.

ISC	**VIII**	**21 12 53 45.1–1.3**	**36.36N–.03**	**8.96W–.04**	**29–11**		**302**	**1-28**
CNRM	VIII	21 12 53 42.2	36.27N	9.21W	23	3.8L	**¶620999303**	
IDC	VIII	21 12 53 42.2–2.4	36.38N	8.89W	0	4.2L,3.7		
MDD	VIII	21 12 53 43.0–.38	36.37N	9.08W	6–2	3.9,3.7		
SFS	VIII	21 12 53 43.7	36.32N	9.09W	17	4.5b,4.3L		
INMG	VIII	21 12 53 44.2–1.8	36.34N	9.06W	12–2	3.6L,4.3L		
IGIL	VIII	21 12 53 44.3	36.34N	9.04W	12	3.8L,4.3L		

ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=14.0km az=101.0.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=76.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=1.8km az=80.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Cabo S.Vicente #FELT: III (MM56) at Portimao (Faro).

ISC	**VIII**	**26 13 19 03.2–1.9**	**36.59N–.06**	**9.91W–.07**	**10**		**133**	**1-7**
CNRM	VIII	26 13 19 06.7	36.24N	9.14W	10	3.5L	**¶621008157**	
MDD	VIII	26 13 19 06.7–.55	36.55N	9.95W	37	3.1		
SFS	VIII	26 13 19 07.0	36.54N	9.93W	37	3.5L,3.4L		
IGIL	VIII	26 13 19 08.5	36.66N	9.80W	13	2.0L,3.4L		
INMG	VIII	26 13 19 08.8–1.1	36.66N	9.80W	17–4	2.3L,3.4L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=67.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.3km az=49.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Cabo S.Vicente.

ISC	**IX**	**02 02 39 16.8–3.0**	**36.45N–.04**	**9.95W–.09**	**34–5**		**45**	**1-6**
CNRM	IX	02 02 39 19.6	36.26N	9.28W	6		**¶621115923**	
MDD	IX	02 02 39 21.3–1.2	36.63N	9.74W	16–27	2.5		
IGIL	IX	02 02 39 21.8	36.63N	9.77W	16	1.1L		
INMG	IX	02 02 39 21.7–1.3	36.63N	9.76W	16–5	1.3L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=29.8km s-min=7.7km az=42.0.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=6.2km az=50.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Cabo S.Vicente.

ISC	**IX**	**07 02 14 47.9–1.5**	**36.09N–.03**	**8.08W–.03**	**32–14**		**232**	**1-8**
CNRM	IX	07 02 14 46.9	36.05N	8.23W	87	3.1L	**¶621039491**	
MDD	IX	07 02 14 48.8–.47	36.07N	8.14W	22–4	3.2		
SFS	IX	07 02 14 49.3	36.06N	8.12W	31	3.8b,3.4L		
INMG	IX	07 02 14 50.5–1.6	36.08N	8.13W	31–11	2.4L,3.4L		
IGIL	IX	07 02 14 50.6	36.08N	8.14W	32	2.4L,3.4L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=48.0.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=3.4km az=27.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Faro.

ISC	**IX**	**05 17 52 55.5–2.3**	**36.80N–.08**	**9.49W–.09**	**64–10**		**98**	**1-6**
SFS	IX	05 17 52 55.8	36.77N	9.57W	29	2.9L,2.7L	**¶621115937**	
CNRM	IX	05 17 52 56.6	36.73N	9.44W	43	2.9L,2.7L		
MDD	IX	05 17 52 56.0–.88	36.78N	9.57W	46	2.6,2.7L		
INMG	IX	05 17 52 57.1–1.4	36.80N	9.49W	23–4	1.7L,2.7L		
IGIL	IX	05 17 52 57.4	36.79N	9.48W	25	0.8L,2.7L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.7km az=42.0.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=45.0. #DIST_RANGE: LOCAL #IPMA_REGION: SW Cabo S.Vicente.

ISC	**X**	**03 10 52 36.1–1.7**	**36.40N–.03**	**9.87W–.07**	**24–14**		**89**	**1-7**
CNRM	X	03 10 52 35.2–1.2	36.44N	10.11W	80–24		**¶621253974**	
SFS	X	03 10 52 37.8	36.39N	9.93W	29	3.3L,3.2L		
MDD	X	03 10 52 39.0–1.2	36.51N	9.76W	11–6	2.7,3.2L		
IGIL	X	03 10 52 39.0	36.48N	9.77W	6	1.7L,3.2L		
INMG	X	03 10 52 39.5–1.3	36.48N	9.78W	13–5	2.0L,3.2L		

ISC Event type ke.
CNRM Error ellipse: s-maj=10.2km s-min=7.2km az=108.0.
MDD Event type ke. Error ellipse: s-maj=13.8km s-min=8.0km az=41.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=4.7km az=44.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Cabo S.Vicente.

ISC	**IX**	**26 19 38 46.8–1.6**	**36.42N–.05**	**9.90W–.07**	**62–19**		**93**	**1-7**
SFS	IX	26 19 38 47.9	36.44N	9.94W	30	3.0L,2.9L	**¶621116068**	
CNRM	IX	26 19 38 48.6–1.0	36.21N	9.06W	11	3.0L,2.9L		
INMG	IX	26 19 38 49.5–1.1	36.46N	9.90W	31–982	1.9L,2.9L		
MDD	IX	26 19 38 49.4–1.0	36.65N	9.75W	9–3	2.5,2.9L		
IGIL	IX	26 19 38 49.2	36.46N	9.92W	33	1.7L,2.9L		

ISC Event type ke.
CNRM Error ellipse: s-maj=19.6km s-min=3.5km az=94.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=91.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Cabo S.Vicente.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=6.5km az=8.0.

ISC	**IX**	**23 10 21 41.5–2.1**	**36.42N–.10**	**8.05W–.05**	**18–6**		**44**	**1-3**
SFS	IX	23 10 21 42.1	36.41N	8.06W	19	2.5L,2.5	**¶621116056**	
IGIL	IX	23 10 21 43.2	36.40N	8.08W	14	1.5L,2.5		
INMG	IX	23 10 21 43.7–1.3	36.42N	8.08W	21–4	1.6L,2.5		
MDD	IX	23 10 21 43.5–1.2	36.47N	8.04W	18–5	2.2,2.5		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=3.5km az=19.0. #DIST_RANGE: LOCAL #IPMA_REGION: SW Faro.
MDD Event type ke. Error ellipse: s-maj=8.8km s-min=6.0km az=22.0.

ISC	**X**	**10 23 12 29.1–1.3**	**36.63N–.03**	**8.60W–.04**	**30–12**		**99**	**1-6**
CNRM	X	10 23 12 28.7–.72	36.55N	8.58W	28–13		**¶621253993**	
SFS	X	10 23 12 30.8	36.64N	8.61W	28	2.8,2.8L		
MDD	X	10 23 12 31.7–.94	36.71N	8.56W	26	2.4,2.8L		
INMG	X	10 23 12 31.4–1.5	36.65N	8.62W	24–6	1.7L,2.8L		
IGIL	X	10 23 12 32.5	36.72N	8.56W	20	1.4L,2.8L		

ISC Event type ke.
CNRM Error ellipse: s-maj=16.7km s-min=3.5km az=89.0.
MDD Event type ke. Error ellipse: s-maj=7.1km s-min=4.4km az=30.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=74.0. #DIST_RANGE: LOCAL #IPMA_REGION: S Lagos.
IGIL Event type se. Presumed earthquake.

ISC	**XI**	**03 13 52 29.1–1.2**	**35.00N–.03**	**8.77W–.05**	**35**		**191**	**2-8**
CNRM	XI	03 13 52 27.2–.68	34.88N	8.83W	22–6		**¶621261458**	
MDD	XI	03 13 52 30.7–.43	34.98N	8.85W	30	4.5b,3.9		
SFS	XI	03 13 52 30.5	34.96N	8.84W	35	3.9L,3.9L		
IGIL	XI	03 13 52 31.2	34.99N	8.79W	26	3.2L,3.9L		
INMG	XI	03 13 52 32.0–1.4	34.99N	8.80W	31–9	3.1L,3.9L		

ISC Event type ke.
CNRM Error ellipse: s-maj=3.2km s-min=1.6km az=90.0.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=70.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=54.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Mar de Marrocos.

ISC	**X**	**12 22 50 43.4–1.0**	**36.84N–.03**	**8.73W–.03**	**33–2**		**161**	**0-7**
CNRM	X	12 22 50 42.6–.96	36.76N	8.75W	22–9		**¶621146543**	
MDD	X	12 22 50 43.9–.46	36.82N	8.76W	26–3	2.8		
IGIL	X	12 22 50 44.3	36.78N	8.75W	27	1.6L		
SFS	X	12 22 50 44.5	36.85N	8.79W	29	3.0L,2.8L		
INMG	X	12 22 50 44.3–1.6	36.79N	8.75W	27–2	2.0L,2.8L		

ISC Event type ke.
CNRM Error ellipse: s-maj=6.7km s-min=2.9km az=105.0.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=76.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=54.0. #DIST_RANGE: LOCAL #IPMA_REGION: SE Cabo S.Vicente.

ISC	**X**	**24 13 11 15.8–1.3**	**36.07N–.03**	**8.32W–.04**	**31–12**		**145**	**1-7**
CNRM	X	24 13 11 14.0–.30	35.96N	8.53W	72–10		**¶621254025**	
SFS	X	24 13 11 18.6	36.12N	8.37W	32	3.6b,3.1L		
IGIL	X	24 13 11 19.7	36.27N	8.27W	11	1.9L,3.1L		
INMG	X	24 13 11 19.6–1.8	36.26N	8.26W	11–7	2.1L,3.1L		
MDD	X	24 13 11 19.2–.48	36.15N	8.35W	38–13	2.7,3.1L		

ISC Event type ke.
CNRM Error ellipse: s-maj=2.9km s-min=1.6km az=100.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=3.4km az=42.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Faro.
MDD Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=59.0.

ISC	**XI**	**25 04 22 15.2–1.3**	**35.90N–.03**	**8.75W–.04**	**76–16**		**199**	**1-7**
CNRM	XI	25 04 22 13.7–.79	35.80N	8.62W	32–7		**¶621464961**	
SFS	XI	25 04 22 16.5	35.95N	8.62W	76	3.6L,3.4L		
MDD	XI	25 04 22 17.5–.38	35.91N	8.81W	46	3.5,3.4L		
IGIL	XI	25 04 22 18.5	35.92N	8.74W	32	2.8L,3.4L		
INMG	XI	25 04 22 18.8–1.4	35.93N	8.75W	32–7	2.7L,3.4L		

ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=1.8km az=92.0.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=64.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=53.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Mar de Marrocos.

ISC	**XI**	**03 20 52 37.9–1.5**	**36.16N–.04**	**8.50W–.04**	**14–9**		**158**	**1-7**
SFS	XI	03 20 52 39.8	36.12N	8.54W	12	3.8b,3.6L	**¶621261565**	
MDD	XI	03 20 52 40.6–.61	36.13N	8.58W	19–6	3.1,3.6L		
IGIL	XI	03 20 52 41.2	36.20N	8.56W	11	3.2L,3.6L		
INMG	XI	03 20 52 41.6–1.9	36.22N	8.56W	11–4	3.0L,3.6L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=2.6km az=52.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Cabo S.Vicente.

ISC	**XII**	**15 18 21 27.0–1.9**	**36.72N–.08**	**8.11W–.04**	**34–3**		**37**	**1-3**
SFS	XII	15 18 21 27.6	36.72N	8.13W	28	2.6,2.5L	**¶621658914**	
IGIL	XII	15 18 21 28.2	36.74N	8.10W	21	0.8L,2.5L		
INMG	XII	15 18 21 28.9–1.6	36.79N	8.12W	23–4	1.0L,2.5L		
MDD	XII	15 18 21 29.4–1.2	36.85N	8.15W	30–6	2.0,2.5L		

ISC Event type ke.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=8.4km s-min=5.1km az=163.0. #DIST_RANGE: LOCAL #IPMA_REGION: SW Faro.
MDD Event type ke. Error ellipse: s-maj=9.6km s-min=4.8km az=169.0.

ISC	**XII**	**18 16 28 09.3–1.3**	**35.82N–.03**	**8.66W–.05**	**60–29**		**79**	**1-5**
SFS	XII	18 16 28 11.4	35.90N	8.57W	24	2.9L,2.9	**¶621658923**	
MDD	XII	18 16 28 12.3–1.0	35.95N	8.61W	26–12	2.4,2.9		
INMG	XII	18 16 28 12.8–1.2	35.90N	8.68W	31	1.9L,2.9		
IGIL	XII	18 16 28 13.4	35.91N	8.71W	31	1.9L,2.9		
CNRM	XII	18 16 28 17.9–1.1	35.05N	8.38W	10	1.9L,2.9		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.8km s-min=4.5km az=53.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=3.8km az=83.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Mar de Marrocos.
IGIL Event type se. Presumed earthquake.
CNRM Error ellipse: s-maj=9.4km s-min=5.4km az=133.0.

ISC	**XII**	**24 03 12 24.4–1.3**	**36.77N–.03**	**8.01W–.03**	**26–13**		**81**	**0-6**
MDD	XII	24 03 12 25.3–1.1	36.75N	8.02W	18–4	2.2	**¶621658958**	
CNRM	XII	24 03 12 26.2–.58	36.77N	7.69W	41–31	2.2		
SFS	XII	24 03 12 26.8	36.83N	8.01W	35	2.7,2.7L		
IGIL	XII	24 03 12 26.1	36.77N	8.01W	25	1.6L,2.7L		
INMG	XII	24 03 12 26.1–2.0	36.77N	8.03W	21–3	1.9L,2.7L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.3km s-min=4.4km az=11.0.
CNRM Error ellipse: s-maj=11.2km s-min=3.9km az=93.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=2.7km az=69.0. #DIST_RANGE: LOCAL #IPMA_REGION: SW Faro.

ISC	**XII**	**26 06 54 58.0–1.5**	**36.06N–.03**	**9.90W–.08**	**35**		**58**	**1-6**
MDD	XII	26 06 54 59.4–.96	36.16N	9.69W	9–4	2.8	**¶621659202**	
IGIL	XII	26 06 55 00.6	36.12N	9.92W	30	1.5L		
INMG	XII	26 06 55 00.9–1.5	36.12N	9.91W	41	1.9L		
CNRM	XII	26 06 55 06.1–1.6	35.49N	9.55W	20	1.9L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=4.2km az=86.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=7.7km s-min=3.7km az=90.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Cabo S.Vicente.
CNRM Error ellipse: s-maj=13.6km s-min=11.7km az=83.0.

ISC	**XII**	**23 19 05 07.4–1.4**	**36.54N–.04**	**9.65W–.06**	**35**		**177**	**1-8**
CNRM	XII	23 19 05 04.7–.69	36.50N	10.00W	48–35		**¶621650663**	
MDD	XII	23 19 05 07.6–.54	36.49N	9.75W	29–7	3.4		
SFS	XII	23 19 05 08.2	36.47N	9.72W	41	3.8b,3.6L		
INMG	XII	23 19 05 09.6–1.1	36.52N	9.69W	32	2.8L,3.6L		
IGIL	XII	23 19 05 09.6	36.52N	9.67W	32	2.9L,3.6L		

ISC Event type ke.
CNRM Error ellipse: s-maj=7.5km s-min=3.6km az=107.0.
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=2.7km az=71.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=1.8km az=83.0. #DIST_RANGE: LOCAL #IPMA_REGION: SW Cabo S.Vicente.
IGIL Event type se. Presumed earthquake.

ISC	**XII**	**26 15 49 32.7–1.4**	**36.18N–.03**	**8.21W–.04**	**30–13**		**103**	**1-6**
MDD	XII	26 15 49 35.7–.74	36.39N	8.16W	8–3	2.6	**¶621658969**	
SFS	XII	26 15 49 35.0	36.20N	8.22W	35	2.8L,2.8		
IGIL	XII	26 15 49 35.9	36.21N	8.27W	35	2.0L,2.8		
INMG	XII	26 15 49 36.0–1.5	36.22N	8.28W	32–9	2.1L,2.8		
CNRM	XII	26 15 49 39.5–1.5	35.62N	7.87W	8–37	2.1L,2.8		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=38.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=71.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Faro.
CNRM Error ellipse: s-maj=40.8km s-min=9.2km az=156.0.

ISC	**XII**	**29 05 09 05.3–1.2**	**35.84N–.03**	**8.21W–.04**	**35**		**161**	**1-6**
MDD	XII	29 05 09 07.3–.53	35.87N	8.25W	28–6	3.2	**¶621656496**	
SFS	XII	29 05 09 07.5	35.88N	8.20W	45	3.1L,3.0L		
IGIL	XII	29 05 09 07.9	35.88N	8.17W	28	1.9L,3.0L		
INMG	XII	29 05 09 08.7–1.6	35.89N	8.19W	31–7	2.3L,3.0L		
CNRM	XII	29 05 09 10.2–.77	35.23N	8.03W	11	2.3L,3.0L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=54.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=78.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Mar de Marrocos.
CNRM Error ellipse: s-maj=6.6km s-min=3.8km az=137.0.

ISC	**XII**	**27 03 03 50.8–1.4**	**36.31N–.04**	**9.05W–.04**	**29–12**		**246**	**1-10**
MDD	XII	27 03 03 49.5–.42	36.35N	9.20W	1–2	3.6	**¶621653697**	
SFS	XII	27 03 03 52.0	36.33N	9.03W	16	3.8L,3.8L		
IGIL	XII	27 03 03 52.7	36.34N	9.00W	15	3.4L,3.8L		
INMG	XII	27 03 03 52.6–1.8	36.34N	9.00W	12–3	3.2L,3.8L		
CNRM	XII	27 03 03 57.1–.93	35.83N	8.73W	27–19	3.2L,3.8L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=69.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.2km az=80.0. #DIST_RANGE: REGIONAL #IPMA_REGION: S Cabo S.Vicente.
CNRM Error ellipse: s-maj=14.9km s-min=3.3km az=141.0.

(385) Strait of Gibraltar.

ISC	**VII**	**01 18 49 15.4–.97**	**35.46N–.02**	**3.61W–.02**	**28–10**		**196**	**0-7**
CNRM	VII	01 18 49 14.6	35.52N	3.62W	29	2.8L	**¶620682300**	
SFS	VII	01 18 49 15.3	35.44N	3.61W	15	3.3L,3.2L		
IGIL	VII	01 18 49 15.8	35.44N	3.60W	14	2.4L,3.2L		
MDD	VII	01 18 49 16.7–.53	35.44N	3.60W	22–4	3.0,3.2L		
INMG	VII	01 18 49 16.3–1.6	35.47N	3.60W	19–6	2.4L,3.2L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=160.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=136.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**VII**	**02 05 55 47.1–1.1**	**35.50N–.02**	**3.61W–.02**	**23–12**		**176**	**0-7**
CNRM	VII	02 05 55 45.7	35.57N	3.63W	21		**¶620929018**	
MDD	VII	02 05 55 47.1–.41	35.50N	3.62W	9–2	2.7		
SFS	VII	02 05 55 47.6	35.47N	3.65W	8	2.9L,2.8		
IGIL	VII	02 05 55 48.6	35.50N	3.62W	9	2.9L,2.8		
INMG	VII	02 05 55 49.0–1.7	35.49N	3.52W	26–5	2.2L,2.8		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=154.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=113.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**VII**	**02 09 22 50.6–1.0**	**35.50N–.02**	**3.61W–.02**	**26–10**		**83**	**0-5**
CNRM	VII	02 09 22 50.2	35.54N	3.66W	31		**¶620929431**	
MDD	VII	02 09 22 52.5–.55	35.69N	3.68W	9–2	2.6		
INMG	VII	02 09 22 53.1–1.7	35.68N	3.65W	12–5	2.1L		
IGIL	VII	02 09 22 54.0	35.69N	3.68W	9	2.1L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=172.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.

ISC	**VII**	**04 14 28 47.3–.95**	**35.54N–.02**	**3.62W–.02**	**29–10**		**218**	**0-8**
CNRM	VII	04 14 28 45.0	35.67N	3.56W	12	3.5L	**¶620733579**	
MDD	VII	04 14 28 46.9–.32	35.58N	3.74W	2–1	3.3		
SFS	VII	04 14 28 47.1	35.45N	3.62W	16	3.6L,3.6L		
IGIL	VII	04 14 28 48.7	35.58N	3.74W	2	2.9L,3.6L		
INMG	VII	04 14 28 48.1–1.6	35.49N	3.63W	21–5	2.9L,3.6L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=157.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=148.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**VII**	**06 12 15 13.7–1.1**	**35.62N–.03**	**3.52W–.03**	**13–9**		**49**	**1-5**
CNRM	VII	06 12 15 12.3	35.68N	3.48W	10	2.7L	**¶621741824**	
MDD	VII	06 12 15 15.2–.72	35.53N	3.52W	22–9	2.4		
INMG	VII	06 12 15 15.7–1.7	35.51N	3.49W	26–14	2.0L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=121.0.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=118.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.

ISC	**VII**	**07 14 56 05.6–1.1**	**35.53N–.02**	**3.64W–.03**	**15–9**		**82**	**0-5**
CNRM	VII	07 14 56 04.9	35.61N	3.61W	22	2.5L	**¶620929443**	
INMG	VII	07 14 56 07.3–1.7	35.59N	3.68W	2	2.1L		
MDD	VII	07 14 56 08.1–.53	35.63N	3.73W	0	2.7		
IGIL	VII	07 14 56 09.0	35.63N	3.73W	0	1.8L		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=4.7km az=160.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=162.0.

ISC	**VII**	**07 15 44 37.9–1.1**	**35.56N–.02**	**3.51W–.03**	**12–10**		**39**	**0-5**
CNRM	VII	07 15 44 40.0	35.55N	3.62W	17	2.6L	**¶625071824**	
MDD	VII	07 15 44 42.4–.85	35.70N	3.57W	0	2.4		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=4.3km az=169.0.

ISC	**VII**	**08 06 54 15.6–.99**	**36.56N–.02**	**2.77W–.02**	**19–2**		**122**	**0-6**
MDD	VII	08 06 54 17.6–.33	36.61N	2.77W	6	3.1	**¶620773174**	
SFS	VII	08 06 54 17.1	36.57N	2.69W	0	3.5L,3.4L		
INMG	VII	08 06 54 17.6–1.9	36.61N	2.76W	4–5	2.6L,3.4L		
CNRM	VII	08 06 54 20.4	36.32N	2.50W	30	2.6L,3.4L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=169.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=126.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Granada (ESP).

ISC	**VII**	**08 07 36 16.0–.93**	**36.56N–.02**	**2.75W–.02**	**15–7**		**143**	**0-6**
CNRM	VII	08 07 36 15.1	36.53N	2.72W	6		**¶620773177**	
MDD	VII	08 07 36 17.2–.31	36.58N	2.74W	0	3.1		
SFS	VII	08 07 36 17.8	36.59N	2.74W	8	3.3L,3.2L		
INMG	VII	08 07 36 17.4–1.6	36.58N	2.73W	2–3	2.4L,3.2L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=169.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=120.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Granada (ESP).

ISC	**VII**	**08 19 18 38.8–1.7**	**35.61N–.03**	**3.69W–.04**	**17–14**		**24**	**0-3**
MDD	VII	08 19 18 39.1–1.4	35.43N	3.71W	53–32	2.9b	**¶620783808**	
CNRM	VII	08 19 18 41.5	35.49N	3.53W	6	1.9L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.4km s-min=6.9km az=48.0.

ISC	**VII**	**09 12 44 25.8–2.1**	**35.48N–.03**	**3.77W–.03**	**19–6**		**61**	**1-5**
CNRM	VII	09 12 44 25.0	35.55N	3.82W	26		**¶621741843**	
INMG	VII	09 12 44 28.6–1.6	35.66N	3.85W	6	2.0L		
MDD	VII	09 12 44 28.9–.60	35.71N	3.84W	0	2.5		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=4.5km az=157.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=157.0.

ISC	**VII**	**09 18 54 48.8–1.1**	**35.57N–.02**	**3.59W–.02**	**23–12**		**201**	**0-8**
CNRM	VII	09 18 54 44.1	35.79N	3.54W	7	3.6L	**¶620786499**	
SFS	VII	09 18 54 49.0	35.57N	3.63W	8	3.7L,3.6L		
INMG	VII	09 18 54 49.4–1.6	35.50N	3.56W	27–6	2.7L,3.6L		
MDD	VII	09 18 54 49.1–.38	35.51N	3.60W	19–3	3.1,3.6L		
IGIL	VII	09 18 54 49.5	35.51N	3.60W	19	3.1,3.6L		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=144.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=159.0.

ISC	**VII**	**09 18 58 49.1–1.2**	**35.51N–.02**	**3.63W–.03**	**18–4**		**85**	**0-6**
CNRM	VII	09 18 58 47.7	35.64N	3.61W	20		**¶621741846**	
MDD	VII	09 18 58 49.5–.62	35.48N	3.66W	10–5	2.6		
INMG	VII	09 18 58 50.4–1.7	35.45N	3.62W	20–8	2.1L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=148.0.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=3.9km az=147.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**VII**	**09 21 10 41.7–1.6**	**35.48N–.05**	**3.65W–.03**	**15–10**		**128**	**1-8**
SFS	VII	09 21 10 42.0	35.50N	3.65W	3	3.8L,3.8L	**¶620787247**	
IGIL	VII	09 21 10 42.0	35.51N	3.64W	0	3.8L,3.8L		
MDD	VII	09 21 10 42.6–.28	35.51N	3.64W	0	3.2,3.8L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=142.0.

ISC	**VII**	**09 21 11 03.2–1.5**	**35.51N–.04**	**3.67W–.05**	**9–13**		**50**	**0-6**
CNRM	VII	09 21 11 02.9	35.60N	3.64W	22	3.5L	**¶626326824**	
INMG	VII	09 21 11 05.0–1.5	35.48N	3.73W	5–8	2.8L		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=110.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**VII**	**09 21 12 45.7–1.1**	**35.57N–.02**	**3.63W–.02**	**4–10**		**75**	**0-6**
CNRM	VII	09 21 12 44.3	35.68N	3.54W	2	3.0L	**¶620929449**	
INMG	VII	09 21 12 48.1–1.7	35.49N	3.61W	18–7	2.5L		
IGIL	VII	09 21 12 48.6	35.70N	3.67W	0	2.5L		
MDD	VII	09 21 12 50.4–.72	35.70N	3.67W	0	2.8		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=18.0.

ISC	**VII**	**09 21 16 43.9–1.2**	**35.49N–.02**	**3.64W–.02**	**21–4**		**178**	**0-7**
CNRM	VII	09 21 16 42.3	35.63N	3.62W	27		**¶620787248**	
SFS	VII	09 21 16 44.0	35.49N	3.65W	10	3.3L,3.3		
IGIL	VII	09 21 16 44.4	35.54N	3.66W	0	3.3L,3.3		
MDD	VII	09 21 16 44.4–.33	35.54N	3.66W	0	2.9,3.3		
INMG	VII	09 21 16 45.8–1.6	35.49N	3.70W	15–7	2.4L,3.3		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=157.0.

INMG Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 09 21 18 14.1–1.5 35.53N–.05 3.57W–.05 15–10 25 0-5
CNRM VII 09 21 18 12.9 35.62N 3.54W 17 2.7L **¶625024187**
ISC Event type se.
ISC VII 11 11 40 04.0–.73 35.46N–.02 3.63W–.02 16–4 4.3b,3.6s 496 0-151
MED_R VII 11 11 40 00.0 35.18N 3.68W 12 4.3W,3.6s **¶620787474**
IDC VII 11 11 40 01.6–.58 35.48N 3.73W 0 4.0b,4.0
NEIC VII 11 11 40 03.6–1.1 35.44N–.03 3.63W–.07 10–1 4.4b,4.0
IGIL VII 11 11 40 03.9 35.44N 3.68W 2 3.8L,4.0
MDD VII 11 11 40 03.8–.37 35.44N 3.68W 7–3 4.0,4.0
GFZ VII 11 11 40 04.3–.32 35N–4.0 4W–2.0 22 4.4W,4.3
SFS VII 11 11 40 04.0 35.48N 3.59W 10 5.1b,5.0b
CNRM VII 11 11 40 04.1 35.48N 3.64W 31 4.6L,5.0b
INMG VII 11 11 40 04.0–1.6 35.48N 3.66W 6–5 3.8L,5.0b
ISC Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-0.15±.26 $M_{\theta\theta}$-0.61±.20; $M_{\phi\phi}$0.00±.27; $M_{r\theta}$1.58±.40; $M_{\theta\phi}$-3.43±.16; $M_{\phi r}$1.25±.38; NP1: ϕ_s183.00000°,δ72.00000°,λ-18.00000°. NP2:ϕ_s279.00000°,δ73.00000°,λ-161.00000°. Principal axes: T 3.5700,Plg1.0000°,Azm50.0000°; N 0.8100,Plg65.0000°,Azm319.0000° ; P -4.3800,Plg25.0000°,Azm141.0000° $M_0$3.98000×10^{15}
IDC Error ellipse: s-maj=14.8km s-min=9.0km az=102.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.0km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=1.7km az=160.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=122.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 11 12 19 59.4–1.3 35.51N–.02 3.64W–.02 10–10 136 0-6
CNRM VII 11 12 20 01.0 35.49N 3.66W 26 2.6L **¶620929031**
MDD VII 11 12 20 01.2–.32 35.57N 3.68W 0 2.6
INMG VII 11 12 20 01.8–1.6 35.47N 3.63W 16–6 2.1L
SFS VII 11 12 20 02.4 35.46N 3.63W 20 2.7L,2.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=172.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=144.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 12 01 03 04.5–1.2 36.34N–.03 7.79W–.03 15–9 70 1-5
CNRM VII 12 01 03 03.7 36.27N 7.84W 10 3.2L **¶621741895**
INMG VII 12 01 03 07.7–1.8 36.42N 7.84W 11–6 1.9L
MDD VII 12 01 03 08.5–.69 36.46N 7.87W 16–3 2.2
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=34.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Golfo de Cdiz.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=2.8km az=31.0.
ISC VII 12 15 28 33.7–1.1 35.56N–.03 3.60W–.03 14–10 35 0-5
CNRM VII 12 15 28 32.9 35.62N 3.60W 15 2.1L **¶625024340**
MDD VII 12 15 28 35.3–.87 35.47N 3.61W 21–11 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.4km s-min=7.1km az=156.0.
CNRM VII 19 00 35 38.4 35.60N 3.58W 13 1.6L ¶626517532
ISC VII 19 01 14 19.8–1.2 35.50N–.02 3.59W–.02 21–4 99 0-5
CNRM VII 19 01 14 18.7 35.60N 3.61W 24 2.0L **¶620929042**
MDD VII 19 01 14 19.8–.59 35.47N 3.62W 9–5 2.3
SFS VII 19 01 14 20.8 35.47N 3.63W 15 2.6L,2.6L
INMG VII 19 01 14 20.3–1.4 35.48N 3.60W 9 1.9L,2.6L
IGIL VII 19 01 14 21.2 35.47N 3.62W 9 1.9L,2.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=154.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 20 02 28 47.9–1.0 35.53N–.02 3.62W–.02 13–9 130 0-6
CNRM VII 20 02 28 45.8 35.70N 3.63W 15 2.8L **¶620929053**
MDD VII 20 02 28 48.5–.38 35.60N 3.58W 0 2.4
INMG VII 20 02 28 48.3–1.8 35.59N 3.59W 0–4 2.2L
IGIL VII 20 02 28 49.1 35.60N 3.58W 0 2.2L
SFS VII 20 02 28 49.2 35.48N 3.64W 14 2.9L,2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=169.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=6.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VII 20 10 41 41.2–1.0 35.48N–.02 3.63W–.02 26–11 161 0-7
SFS VII 20 10 41 40.7 35.52N 3.70W 0 3.6L,3.5L **¶620834160**
CNRM VII 20 10 41 40.5 35.55N 3.63W 27 3.4L,3.5L
MDD VII 20 10 41 41.3–.38 35.41N 3.66W 20–3 3.2,3.5L
IGIL VII 20 10 41 42.8 35.41N 3.66W 20 3.2,3.5L
INMG VII 20 10 41 42.2–1.8 35.46N 3.62W 20–6 2.7L,3.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=154.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 20 16 33 09.0–1.1 35.51N–.02 3.64W–.02 16–9 108 0-5
MDD VII 20 16 33 09.0–.37 35.52N 3.71W 0 2.5 **¶620929055**
INMG VII 20 16 33 09.0–1.9 35.48N 3.69W 2–6 2.1L
CNRM VII 20 16 33 09.1 35.57N 3.65W 20 2.5L
SFS VII 20 16 33 10.4 35.46N 3.62W 17 2.6L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=176.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=39.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM VII 20 19 08 58.5 35.47N 3.57W 21 1.1L ¶626517523
MDD VII 20 19 09 44.5–.98 36.84N 3.06W 0 1.1 ¶625024681
MDD Event type ke. Error ellipse: s-maj=10.5km s-min=4.0km az=178.0.
ISC VII 21 00 37 17.5–.85 36.74N–.02 3.05W–.02 17–6 118 0-6
SFS VII 21 00 37 18.7 36.76N 3.08W 0 2.5L,2.4 **¶620929056**
CNRM VII 21 00 37 19.8 36.55N 3.10W 11 2.5L,2.4
MDD VII 21 00 37 19.2–.24 36.81N 3.04W 0 2.3,2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=166.0.
ISC VII 22 13 33 46.3–1.1 35.53N–.02 3.58W–.03 9–9 44 0-5
CNRM VII 22 13 33 44.5 35.67N 3.51W 8 2.5L **¶625024770**
MDD VII 22 13 33 46.5–.77 35.44N 3.66W 30 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=33.0.
ISC VII 22 17 07 31.9–1.0 35.47N–.02 3.62W–.02 17–9 79 0-5
CNRM VII 22 17 07 31.3 35.64N 3.53W 17 **¶620929058**
MDD VII 22 17 07 31.6–.69 35.41N 3.68W 4–6 2.4
SFS VII 22 17 07 31.8 35.47N 3.68W 5 2.5L,2.4L
INMG VII 22 17 07 32.4–1.4 35.38N 3.63W 18–10 1.9L,2.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=137.0.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=131.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 22 18 23 54.8–1.1 36.51N–.03 6.97W–.02 32–11 193 1-8
CNRM VII 22 18 23 52.1 36.29N 7.08W 8 **¶620845131**
SFS VII 22 18 23 55.6 36.49N 6.98W 23 3.4L,3.4L
MDD VII 22 18 23 56.9–.29 36.50N 7.03W 47–12 3.1,3.4L
IGIL VII 22 18 23 56.6 36.60N 7.00W 14 2.7L,3.4L
INMG VII 22 18 23 57.4–1.7 36.54N 6.99W 25–6 2.8L,3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=20.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=20.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Golfo de Cdiz.
ISC VII 24 22 16 20.9–1.5 35.51N–.02 3.60W–.03 15–12 40 0-5
CNRM VII 24 22 16 19.5 35.65N 3.60W 23 2.4L **¶621742036**
INMG VII 24 22 16 22.9–2.1 35.41N 3.63W 5–13 1.8L
MDD VII 24 22 16 22.5–.67 35.51N 3.61W 30 2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=9.6km s-min=5.5km az=106.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=38.0.
ISC VII 23 01 32 37.0–1.0 35.48N–.02 3.62W–.02 16–9 124 0-6
CNRM VII 23 01 32 35.9 35.61N 3.55W 9 2.6L **¶620929059**
MDD VII 23 01 32 37.6–.49 35.48N 3.64W 6–4 2.5
SFS VII 23 01 32 37.2 35.49N 3.67W 1 2.8L,2.7
INMG VII 23 01 32 38.2–1.5 35.41N 3.60W 21–9 2.1L,2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.4km az=160.0.
INMG Event type ke. Error ellipse: s-maj=7.8km s-min=3.0km az=163.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 26 23 30 27.6–1.1 35.49N–.02 3.60W–.03 17–9 66 0-5
CNRM VII 26 23 30 24.4 35.73N 3.59W 12 2.7L **¶621742071**
INMG VII 26 23 30 28.6–1.2 35.48N 3.57W 13–5 1.9L
MDD VII 26 23 30 28.2–.48 35.47N 3.58W 9–4 2.4
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=146.0.
MDD VII 27 18 14 58.5–1.1 36.91N 5.12W 22–3 1.7 ¶625041900
MDD Event type ke. Error ellipse: s-maj=9.6km s-min=4.0km az=40.0.
ISC VII 27 01 51 35.0–1.1 35.48N–.02 3.61W–.03 15–9 110 0-6
CNRM VII 27 01 51 34.1 35.59N 3.61W 24 2.5L **¶620929481**
MDD VII 27 01 51 35.0–.44 35.43N 3.61W 4–3 2.6
IGIL VII 27 01 51 35.3 35.43N 3.61W 4 1.9L
INMG VII 27 01 51 35.4–1.4 35.47N 3.64W 6–4 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=160.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=138.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 27 02 31 53.7–1.0 35.47N–.02 3.64W–.02 15–9 82 0-5
CNRM VII 27 02 31 51.1 35.69N 3.59W 13 2.3L **¶620929064**
SFS VII 27 02 31 51.9 35.48N 3.75W 0 2.5L,2.4
MDD VII 27 02 31 53.4–.61 35.42N 3.69W 0–5 2.4,2.4
INMG VII 27 02 31 54.1–1.3 35.44N 3.65W 3–6 1.7L,2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=131.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=117.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM VII 27 18 15 01.5 35.46N 3.55W 0 1.7L ¶626517524
ISC VII 27 18 21 51.6–.98 35.47N–.02 3.62W–.02 26–10 113 0-5
CNRM VII 27 18 21 49.7 35.60N 3.60W 23 2.5L **¶620929065**
SFS VII 27 18 21 51.9 35.47N 3.67W 13 3.0L,2.7L
MDD VII 27 18 21 51.7–.48 35.43N 3.62W 14–4 2.6,2.7L
INMG VII 27 18 21 53.0–1.4 35.47N 3.58W 22–5 2.2L,2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=153.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=126.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 28 02 22 05.2–.96 35.51N–.02 3.64W–.02 17–9 63 0-5
CNRM VII 28 02 22 00.5 35.81N 3.61W 0 2.7L **¶620929485**
MDD VII 28 02 22 05.8–.75 35.26N 3.63W 0 2.3
INMG VII 28 02 22 11.9–.95 35.51N 3.29W 10 2.2L
IGIL VII 28 02 22 17.4 35.48N 3.92W 0 2.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.2km az=21.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=69.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VII 29 20 37 44.9–1.1 35.49N–.02 3.59W–.02 22–5 110 0-5
CNRM VII 29 20 37 41.5 35.69N 3.61W 12 2.3L **¶620929067**
SFS VII 29 20 37 44.4 35.47N 3.65W 0 2.9L,2.8
MDD VII 29 20 37 45.6–.41 35.40N 3.50W 34 2.3,2.8
INMG VII 29 20 37 46.0–1.5 35.43N 3.48W 39–20 1.8L,2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=159.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.9km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 29 01 07 25.3–1.3 35.51N–.02 3.64W–.03 10–11 59 0-6
CNRM VII 29 01 07 24.0 35.65N 3.64W 17 2.6L **¶621742097**
MDD VII 29 01 07 25.7–.52 35.48N 3.70W 0 2.6
INMG VII 29 01 07 27.2–1.3 35.46N 3.64W 12 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=77.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=42.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 29 01 45 25.8–1.1 35.53N–.02 3.64W–.03 12–10 64 0-5
CNRM VII 29 01 45 24.1 35.68N 3.58W 13 2.2L **¶621742098**
MDD VII 29 01 45 25.8–.88 35.53N 3.73W 4–4 2.5
INMG VII 29 01 45 26.9–1.2 35.50N 3.65W 8 1.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=45.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=35.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 30 08 38 53.3–1.0 35.48N–.02 3.61W–.02 15–7 4.2b,3.5s 286 0-151
IDC VII 30 08 38 52.6–.69 35.58N 3.43W 0 3.8b,3.8 **¶620883723**
MDD VII 30 08 38 53.2–.38 35.45N 3.62W 4–3 3.9,3.8
IGIL VII 30 08 38 53.0 35.45N 3.62W 4 3.5L,3.8
CNRM VII 30 08 38 53.4 35.52N 3.59W 28 4.0L,3.8
INMG VII 30 08 38 53.5–1.6 35.48N 3.64W 7–5 3.5L,3.8
SFS VII 30 08 38 53.7 35.46N 3.60W 14 4.7b,4.4L
GFZ VII 30 08 38 54.9–.27 36N–3.0 4W–2.0 10 4.1b,4.1
ISC Event type ke.
MDD Event type ke.
INMG Event type ke. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 30 08 57 52.4–.94 35.28N–.04 3.56W–.03 10 42 0-7
CNRM VII 30 08 57 45.6 35.62N 3.67W 31 **¶620912089**
ISC Event type se.
ISC VII 30 08 43 27.7–1.1 35.60N–.03 3.63W–.03 12–10 30 0-5
CNRM VII 30 08 43 27.3 35.63N 3.61W 12 2.6L **¶620912093**
ISC Event type se.
ISC VII 30 08 43 55.8–1.5 35.51N–.04 3.58W–.05 16–11 18 0-5
CNRM VII 30 08 43 55.4 35.60N 3.54W 15 2.3L **¶625042020**
MDD VII 30 08 43 55.4–1.6 35.44N 3.66W 19 2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=13.0km s-min=5.2km az=47.0.
ISC VII 30 08 46 11.1–1.4 35.50N–.02 3.61W–.02 6–11 65 0-5
CNRM VII 30 08 46 12.6 35.57N 3.58W 21 2.6L **¶620929069**
SFS VII 30 08 46 12.5 35.47N 3.69W 6 2.7L,2.6
MDD VII 30 08 46 13.8–.70 35.48N 3.65W 9–6 2.6,2.6
INMG VII 30 08 46 14.3–1.6 35.47N 3.60W 15–8 2.1L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=128.0.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 30 08 47 20.8–1.1 35.52N–.03 3.62W–.03 11–10 27 0-5
CNRM VII 30 08 47 19.0 35.65N 3.59W 8 2.6L **¶625042022**
MDD VII 30 08 47 22.8–.84 35.40N 3.61W 21–13 2.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.3km s-min=5.7km az=145.0.
ISC VII 31 12 36 33.4–.80 35.53N–.02 3.57W–.03 14 41 0-4
SFS VII 31 12 36 33.8 35.51N 3.57W 21 2.9L,2.9 **¶620929072**
CNRM VII 31 12 36 34.2 35.53N 3.54W 19 2.0L,2.9
MDD VII 31 12 36 35.0–1.3 35.50N 3.53W 30 2.6,2.9
ISC Event type ke.

MDD Event type ke. Error ellipse: s-maj=13.9km s-min=4.7km az=57.0.
ISC VII 30 08 58 51.8–.56 35.45N–.02 3.62W–.02 14–3 4.5b,3.9s 497 0-151
MED_R VII 30 08 58 50.0 35.36N 3.65W 17 4.7W,3.9s **¶625042027**
GFZ VII 30 08 58 51.0–.40 35N–4.0 4W–3.0 10 4.4,4.3b
GFZ VII 30 08 58 50.7 35.33N 3.73W 10 4.5W,4.3b
IDC VII 30 08 58 50.7–.52 35.59N 3.53W 0 4.2b,4.1
NEIC VII 30 08 58 50.3–1.1 35.28N–.05 3.65W–.04 10–1 4.6b,4.1
CNRM VII 30 08 58 51.2 35.52N 3.61W 21 4.7L,4.1
MDD VII 30 08 58 51.7–.37 35.41N 3.64W 4–3 4.2,4.1
IGIL VII 30 08 58 51.8 35.41N 3.64W 4 3.8L,4.1
INMG VII 30 08 58 52.3–1.5 35.47N 3.68W 7–4 3.8L,4.1
SFS VII 30 08 58 52.0 35.48N 3.61W 7 5.2b,5.1b
ISC Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.38±.09 $M_{\theta\theta}$-0.20±.06; $M_{\phi\phi}$0.00±.07; $M_{r\theta}$0.29±.10; $M_{\theta\phi}$-0.95±.04; $M_{\phi r}$0.59±.11; NP1: ϕ_s286.00000°,δ56.00000°,λ-162.00000°. NP2:ϕ_s186.00000°,δ75.00000°,λ-35.00000°. Principal axes: T 1.2900,Plg12.0000°,Azm240.0000°; N -0.0500,Plg53.0000°,Azm346.0000°; P -1.2400,Plg35.0000°,Azm141.0000° $M_0$1.26000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.36 $M_{\theta\theta}$-2.58 $M_{\phi\phi}$2.22 $M_{r\theta}$0.38 $M_{\theta\phi}$-7.22 $M_{\phi r}$0.73 NP1: ϕ_s279.26444°,δ84.25989°,λ-178.46714°. NP2:ϕ_s189.11109°,δ88.47482°,λ-5.74215°. Principal axes: T 7.4482,Plg2.9751°,Azm234.3213°; N 0.4102,Plg84.0594°,Azm354.2855°; P -7.8584,Plg5.1373°,Azm144.0536° $M_0$7.66152×10^{15}
IDC Error ellipse: s-maj=14.6km s-min=9.1km az=100.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.6km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=158.0.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=140.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 30 09 03 09.6–1.1 35.54N–.03 3.59W–.03 14–9 32 0-5
CNRM VII 30 09 03 08.9 35.60N 3.59W 10 2.8L **¶621742108**
MDD VII 30 09 03 10.8–.77 35.49N 3.59W 19 2.5
INMG VII 30 09 03 11.6–1.6 35.47N 3.53W 28–13 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=36.0.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=4.6km az=99.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 30 09 13 03.7–.98 35.47N–.02 3.64W–.02 14–6 4.2b,3.4s 400 0-151
IDC VII 30 09 13 02.1–.62 35.51N 3.67W 0 4.1b,4.1 **¶620912090**
MED_R VII 30 09 13 03.0 35.48N 3.67W 10 4.4W,4.1
MDD VII 30 09 13 03.7–.35 35.50N 3.66W 0–1 4.0,4.1
GFZ VII 30 09 13 03.3 35.41N 3.68W 10 4.1W,4.1
NEIC VII 30 09 13 03.8–1.3 35.50N–.06 3.69W–.09 10–1 4.3b,4.1
SFS VII 30 09 13 03.2 35.48N 3.63W 1 5.0b,4.6L
INMG VII 30 09 13 04.4–1.6 35.48N 3.68W 7–3 3.7L,4.6L
IGIL VII 30 09 13 04.2 35.50N 3.66W 0 3.6L,4.6L
CNRM VII 30 09 13 04.0 35.45N 3.60W 20 4.2L,4.6L
GFZ VII 30 09 13 04.1–.40 35N–4.0 4W–3.0 10 4.3,4.2b
ISC Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}0.33±.19 $M_{\theta\theta}$-0.34±.18; $M_{\phi\phi}$0.00±.19; $M_{r\theta}$0.89±.49; $M_{\theta\phi}$-2.90±.14; $M_{\phi r}$3.67±.40; NP1: ϕ_s274.00000°,δ37.00000°,λ176.00000°. NP2:ϕ_s7.00000°,δ88.00000°,λ53.00000°. Principal axes: T 4.3400,Plg36.0000°,Azm245.0000°; N 0.7700,Plg37.0000°,Azm9.0000°; P -5.1100,Plg32.0000°,Azm127.0000° $M_0$4.73000×10^{15}
MDD Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.11 $M_{\theta\theta}$0.09 $M_{\phi\phi}$0.02 $M_{r\theta}$-0.25 $M_{\theta\phi}$-1.65 $M_{\phi r}$0.06 NP1: ϕ_s359.58341°,δ81.47800°,λ1.33244°. NP2:ϕ_s269.38593°,δ88.68228°,λ171.47573°. Principal axes: T 1.7348,Plg6.9525°,Azm224.1731°; N -0.1286,Plg81.3752°,Azm80.6631°; P -1.6062,Plg5.0787°,Azm314.7941° $M_0$1.67419×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 30 09 24 02.2–1.0 35.48N–.02 3.61W–.02 16–8 220 0-63
IDC VII 30 09 24 01.6–1.9 35.56N 3.70W 0 3.7L,3.4b **¶620912092**
SFS VII 30 09 24 02.8 35.47N 3.59W 9 4.2b,4.0L
IGIL VII 30 09 24 02.3 35.41N 3.63W 6 3.4L,4.0L
MDD VII 30 09 24 02.3–.41 35.41N 3.63W 6–3 3.6,4.0L
CNRM VII 30 09 24 02.0 35.52N 3.59W 24 3.7L,4.0L
INMG VII 30 09 24 03.3–1.6 35.46N 3.62W 18–5 3.2L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=47.1km s-min=17.1km az=82.0.
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=158.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 30 09 30 45.7–1.1 35.59N–.02 3.60W–.03 12–9 36 0-5
CNRM VII 30 09 30 43.7 35.70N 3.59W 9 2.5L **¶625042032**
MDD VII 30 09 30 48.3–.76 35.48N 3.57W 29–11 2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.2km s-min=6.1km az=160.0.
ISC VII 30 10 30 38.6–1.3 35.50N–.07 3.61W–.05 23–19 12 0-1
CNRM VII 30 10 30 38.3 35.52N 3.60W 18 1.8L **¶625042038**
MDD VII 30 10 30 39.4–1.4 35.45N 3.61W 16 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.3km s-min=5.6km az=44.0.
ISC VII 30 10 36 43.8–.98 35.50N–.02 3.63W–.02 16–8 164 0-27
CNRM VII 30 10 36 41.6 35.62N 3.57W 12 3.4L **¶620912097**
MDD VII 30 10 36 43.4–.35 35.50N 3.65W 0 3.1
INMG VII 30 10 36 44.7–1.8 35.47N 3.61W 18–6 2.7L
IGIL VII 30 10 36 44.1 35.50N 3.65W 2 2.7L
SFS VII 30 10 36 44.2 35.49N 3.61W 11 3.5L,3.5L
IDC VII 30 10 36 44.7–2.1 35.59N 3.76W 0 3.0,2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=7.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=128.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IDC Error ellipse: s-maj=43.5km s-min=16.8km az=83.0.
ISC VII 30 04 41 24.6–1.1 35.48N–.02 3.60W–.02 15–9 109 0-5
CNRM VII 30 04 41 23.1 35.62N 3.57W 11 2.7L **¶620929068**
MDD VII 30 04 41 24.3–.41 35.50N 3.68W 0 2.6
SFS VII 30 04 41 25.2 35.46N 3.60W 7 3.0L,2.9
INMG VII 30 04 41 25.1–1.9 35.49N 3.62W 1 2.2L,2.9
IGIL VII 30 04 41 26.6 35.50N 3.68W 0 2.2L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=109.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=36.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 30 20 27 10.4–1.0 35.51N–.02 3.61W–.02 20–13 78 0-5
CNRM VII 30 20 27 08.1 35.71N 3.57W 19 2.6L **¶620929070**
SFS VII 30 20 27 11.4 35.47N 3.63W 18 2.8L,2.7
INMG VII 30 20 27 11.5–1.4 35.47N 3.62W 18–8 2.1L,2.7
MDD VII 30 20 27 11.2–.53 35.44N 3.60W 17–5 2.5,2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.9km s-min=3.6km az=148.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=145.0.
ISC VII 31 22 53 35.8–1.1 35.52N–.03 3.60W–.02 16–8 87 0-5
CNRM VII 31 22 53 35.3 35.56N 3.59W 17 2.6L **¶621742120**
INMG VII 31 22 53 37.2–1.1 35.45N 3.57W 23–5 2.1L
MDD VII 31 22 53 37.1–.48 35.47N 3.58W 17–4 2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=153.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=141.0.
ISC VII 31 18 26 52.3–1.0 35.49N–.03 3.59W–.03 25–12 33 0-5
CNRM VII 31 18 26 50.6 35.61N 3.58W 27 2.2L **¶625042169**
MDD VII 31 18 26 53.4–.82 35.48N 3.61W 18–8 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=4.2km az=105.0.
ISC VII 31 01 57 12.0–.97 35.46N–.02 3.63W–.02 20–11 99 0-6
CNRM VII 31 01 57 08.6 35.67N 3.64W 14 2.3L **¶620929071**
MDD VII 31 01 57 12.3–.47 35.50N 3.61W 2–2 2.3
SFS VII 31 01 57 12.8 35.45N 3.61W 14 2.8L,2.7
INMG VII 31 01 57 13.0–1.5 35.46N 3.59W 13–6 2.0L,2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=154.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM VIII 01 03 12 40.1 35.58N 3.57W 16 1.6L ¶626714509
MDD VIII 01 03 13 10.8–.57 36.29N 4.13W 10–1 1.9 ¶625042185
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=160.0.
ISC VIII 01 10 48 19.3–.76 35.43N–.02 3.59W–.02 21–3 3.7b 224 0-77
IDC VIII 01 10 48 16.2–.92 35.98N 4.43W 0 3.7b,3.6 **¶620925710**
CNRM VIII 01 10 48 18.9 35.42N 3.51W 13 3.9L,3.6
MDD VIII 01 10 48 19.7–.37 35.47N 3.61W 1–3 3.6,3.6
IGIL VIII 01 10 48 19.6 35.47N 3.61W 5 3.1L,3.6
INMG VIII 01 10 48 19.7–1.7 35.50N 3.62W 1–6 3.1L,3.6
SFS VIII 01 10 48 20.8 35.51N 3.60W 15 4.4b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=9.7km az=96.0.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=156.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=145.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VII 31 20 58 25.3–1.2 35.49N–.02 3.60W–.02 17–10 127 0-6
CNRM VII 31 20 58 23.8 35.62N 3.55W 12 2.6L **¶620929073**
SFS VII 31 20 58 25.1 35.48N 3.69W 1 2.9L,2.8
MDD VII 31 20 58 26.0–.46 35.46N 3.60W 10–4 2.7,2.8
IGIL VII 31 20 58 26.1 35.46N 3.60W 10 2.7,2.8
INMG VII 31 20 58 26.4–1.5 35.46N 3.57W 17–5 2.3L,2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.3km az=157.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=140.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 01 03 32 48.8–1.1 35.52N–.02 3.58W–.02 16–9 110 0-5
CNRM VIII 01 03 32 47.7 35.61N 3.56W 11 2.2L **¶621023939**
SFS VIII 01 03 32 48.7 35.46N 3.64W 7 2.7L,2.6
INMG VIII 01 03 32 50.3–1.6 35.49N 3.54W 23–5 1.9L,2.6
MDD VIII 01 03 32 50.2–.47 35.48N 3.55W 20–5 2.5,2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=153.0.
ISC VIII 01 15 34 58.6–1.1 35.56N–.02 3.61W–.02 11–9 78 0-5
CNRM VIII 01 15 34 57.6 35.66N 3.61W 12 2.4L **¶621023944**
SFS VIII 01 15 34 58.5 35.51N 3.72W 0 2.8L,2.7
INMG VIII 01 15 35 00.9–1.6 35.52N 3.53W 22–9 1.9L,2.7
MDD VIII 01 15 35 01.3–.59 35.50N 3.48W 30 2.6,2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=3.5km az=90.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=41.0.
ISC VIII 01 12 56 25.9–1.1 35.50N–.02 3.56W–.03 12–9 34 0-4
MDD VIII 01 12 56 26.7–.67 35.46N 3.56W 30 2.5 **¶625042229**
CNRM VIII 01 12 56 26.8 35.45N 3.55W 12 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=41.0.
ISC VIII 01 07 17 58.4–1.1 35.49N–.02 3.66W–.03 12–9 115 0-7
CNRM VIII 01 07 17 56.1 35.69N 3.60W 10 2.9L **¶621023940**
INMG VIII 01 07 17 59.0–1.6 35.44N 3.65W 3–6 2.2L
MDD VIII 01 07 17 59.0–.31 35.46N 3.65W 0 2.6
SFS VIII 01 07 17 59.1 35.48N 3.63W 9 2.9L,2.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=170.0.
ISC VIII 01 15 43 12.0–1.1 35.48N–.02 3.64W–.03 14–9 84 0-5
CNRM VIII 01 15 43 09.8 35.69N 3.56W 15 2.9L **¶620925725**
MDD VIII 01 15 43 11.9–.59 35.43N 3.68W 2–5 2.8
INMG VIII 01 15 43 12.5–1.6 35.42N 3.64W 13–10 2.4L
SFS VIII 01 15 43 12.9 35.44N 3.63W 20 3.1L,3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=151.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=144.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 01 11 52 12.3–1.1 35.45N–.02 3.62W–.02 17–7 88 0-6
CNRM VIII 01 11 52 13.1 35.41N 3.63W 29 2.3L **¶621023942**
INMG VIII 01 11 52 13.9–1.8 35.47N 3.61W 12–10 2.0L
SFS VIII 01 11 52 13.2 35.51N 3.65W 8 2.7L,2.6
MDD VIII 01 11 52 14.3–.59 35.48N 3.57W 7–5 2.6,2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=121.0.
ISC VIII 01 15 43 47.7–1.1 35.50N–.02 3.61W–.03 13–9 62 0-61
IDC VIII 01 15 43 45.0–2.7 35.45N 4.01W 0 3.6b,3.5 **¶621023945**
CNRM VIII 01 15 43 47.3 35.59N 3.58W 22 2.8L,3.5
SFS VIII 01 15 43 47.2 35.45N 3.71W 0 3.3L,3.1L
MDD VIII 01 15 43 50.4–.67 35.48N 3.48W 25–7 2.9,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=18.0km az=63.0.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=108.0.
ISC VIII 01 21 56 56.0–1.2 35.54N–.02 3.60W–.02 13–9 102 0-5
CNRM VIII 01 21 56 53.7 35.71N 3.55W 13 2.4L **¶621023948**
INMG VIII 01 21 56 57.5–1.4 35.50N 3.58W 16–5 2.0L
SFS VIII 01 21 56 57.0 35.50N 3.62W 9 2.8L,2.7L
MDD VIII 01 21 56 57.1–.51 35.49N 3.60W 13–5 2.5,2.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=156.0.
ISC VIII 01 23 50 04.6–.94 35.51N–.02 3.56W–.02 30–10 118 0-7
CNRM VIII 01 23 50 01.4 35.72N 3.59W 14 2.9L **¶621023949**
SFS VIII 01 23 50 05.2 35.51N 3.62W 16 3.1L,3.0L
INMG VIII 01 23 50 06.4–1.6 35.52N 3.48W 31–6 2.3L,3.0L
MDD VIII 01 23 50 06.5–.34 35.51N 3.46W 30 2.7,3.0L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=120.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=157.0.
ISC VIII 02 08 32 16.9–2.9 35.48N–.02 3.62W–.03 20–10 63 0-5
CNRM VIII 02 08 32 13.7 35.66N 3.56W 12 2.4L **¶621022342**
SFS VIII 02 08 32 16.5 35.45N 3.70W 4 2.7L,2.6L
INMG VIII 02 08 32 17.9–1.7 35.43N 3.58W 18 2.0L,2.6L
MDD VIII 02 08 32 17.9–.82 35.44N 3.61W 21–10 2.6,2.6L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=38.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=9.8km s-min=6.0km az=158.0.
ISC VIII 02 08 49 29.9–1.2 35.50N–.02 3.63W–.02 10–9 4.3b 169 0-151
IDC VIII 02 08 49 28.6–.99 35.55N 4.05W 0 3.8b,3.7 **¶620929079**
CNRM VIII 02 08 49 29.6 35.55N 3.61W 16 3.6L,3.7
SFS VIII 02 08 49 29.9 35.49N 3.66W 0 3.6L,3.5
NEIC VIII 02 08 49 30.1–.79 35.55N–.06 3.96W–.06 10–2 4.5b,3.5

MDD VIII 02 08 49 31.6–.48 35.48N 3.58W 22–4 3.3,3.5
IGIL VIII 02 08 49 31.9 35.48N 3.58W 22 3.3,3.5
INMG VIII 02 08 49 31.7–1.7 35.47N 3.53W 27–8 2.9L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=9.6km az=97.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.7km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.4km az=162.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=149.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 02 12 44 47.6–1.0 35.60N–.02 3.61W–.03 13–9 29 0-3
CNRM VIII 02 12 44 46.8 35.66N 3.60W 14 2.3L **¶625042388**
MDD VIII 02 12 44 48.5–.90 35.56N 3.68W 2 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=4.0km az=49.0.
ISC VIII 02 15 19 29.8–1.1 35.58N–.02 3.61W–.02 12–9 46 0-5
CNRM VIII 02 15 19 28.8 35.66N 3.58W 14 2.6L **¶622087311**
MDD VIII 02 15 19 29.1–.53 35.55N 3.77W 0 2.6
INMG VIII 02 15 19 32.0–1.6 35.50N 3.63W 14 1.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=54.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=34.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: Alboran.
ISC VIII 02 16 18 10.4–1.0 35.52N–.02 3.60W–.02 14–8 59 0-5
CNRM VIII 02 16 18 10.1 35.54N 3.60W 17 2.3L **¶622087314**
MDD VIII 02 16 18 10.7–.49 35.56N 3.69W 0 2.5
INMG VIII 02 16 18 11.5–1.4 35.48N 3.64W 7 1.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=43.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=45.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 02 10 22 05.6–1.1 35.61N–.03 3.59W–.04 17–10 18 0-2
CNRM VIII 02 10 22 02.9 35.77N 3.56W 7 2.0L **¶625042378**
MDD VIII 02 10 22 07.5–1.5 35.47N 3.58W 26–13 2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=13.4km s-min=10.2km az=86.0.
ISC VIII 02 21 45 22.7–1.5 35.59N–.03 6.84W–.03 35–3 169 1-7
CNRM VIII 02 21 45 20.3 35.54N 6.84W 3 2.6L **¶620929665**
IGIL VIII 02 21 45 23.9 35.57N 6.83W 25 2.3L
MDD VIII 02 21 45 23.6–.52 35.55N 6.90W 24–4 3.0
INMG VIII 02 21 45 24.7–1.5 35.68N 6.89W 12 2.3L
SFS VIII 02 21 45 24.1 35.56N 6.83W 38 3.6b,3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=25.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=24.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: Costa de Marrocos.
ISC VIII 02 14 06 10.3–.71 35.45N–.02 3.63W–.02 17–4 4.2b,3.3s 286 0-79
IDC VIII 02 14 06 08.7–.72 35.49N 3.52W 0 3.9b,3.8 **¶620929565**
CNRM VIII 02 14 06 09.9 35.50N 3.62W 26 4.2L,3.8
MDD VIII 02 14 06 10.5–.27 35.49N 3.69W 0 3.8,3.8
IGIL VIII 02 14 06 10.8 35.49N 3.69W 1 3.8,3.8
SFS VIII 02 14 06 10.4 35.49N 3.61W 7 4.6b,4.4L
NEIC VIII 02 14 06 10.1–1.3 35.44N–.06 3.62W–.08 10–1 4.4b,4.4L
INMG VIII 02 14 06 11.0–1.7 35.46N 3.66W 12–5 3.6L,4.4L
ISC Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=9.3km az=99.0.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=164.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.5km az=124.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=132.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 03 01 07 54.4–.92 35.50N–.03 3.59W–.02 22–11 77 0-6
CNRM VIII 03 01 07 51.4 35.69N 3.54W 10 3.0L **¶621022344**
MDD VIII 03 01 07 53.8–.40 35.48N 3.67W 0 2.7
INMG VIII 03 01 07 54.0–1.5 35.49N 3.66W 2–8 2.3L
SFS VIII 03 01 07 54.1 35.49N 3.64W 13 2.8L,2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=170.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=137.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 02 18 16 03.4–1.1 35.48N–.02 3.63W–.03 17–9 95 0-5
CNRM VIII 02 18 16 02.5 35.58N 3.62W 23 2.8L **¶621022343**
MDD VIII 02 18 16 04.0–.38 35.54N 3.65W 0 2.7
INMG VIII 02 18 16 04.1–1.2 35.45N 3.64W 11 2.2L
SFS VIII 02 18 16 04.4 35.48N 3.61W 18 2.8L,2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=49.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=19.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 03 01 22 45.9–.00 35.52N–.03 3.62W–.03 17–9 91 0-6
CNRM VIII 03 01 22 45.4 35.58N 3.59W 21 2.1L **¶621012573**
INMG VIII 03 01 22 46.2–1.8 35.56N 3.64W 0–8 2.0L
MDD VIII 03 01 22 46.6–.38 35.56N 3.66W 0 2.4
IGIL VIII 03 01 22 47.1 35.56N 3.66W 2 2.4
SFS VIII 03 01 22 47.3 35.50N 3.62W 13 2.5L,2.5L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=5.5km az=113.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=22.0.
ISC VIII 03 05 10 07.3–1.1 35.54N–.04 3.58W–.04 25–12 18 0-1
MDD VIII 03 05 10 06.3–1.6 35.47N 3.73W 10 2.5 **¶625042471**
CNRM VIII 03 05 10 06.5 35.60N 3.53W 26 2.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=13.0km s-min=5.7km az=46.0.
ISC VIII 03 06 11 32.6–1.0 35.48N–.02 3.63W–.03 23–11 116 0-6
SFS VIII 03 06 11 32.1 35.47N 3.67W 4 3.0L,2.9 **¶621012574**
CNRM VIII 03 06 11 32.6 35.46N 3.65W 28 2.7L,2.9
MDD VIII 03 06 11 33.6–.54 35.47N 3.60W 20–6 2.7,2.9
INMG VIII 03 06 11 33.5–1.5 35.43N 3.56W 31 2.4L,2.9
IGIL VIII 03 06 11 34.1 35.47N 3.60W 20 2.4L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.2km s-min=3.0km az=141.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=13.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 03 09 57 20.4–1.1 35.56N–.02 3.62W–.02 7–10 87 0-5
CNRM VIII 03 09 57 18.7 35.69N 3.57W 2 2.9L **¶621022345**
SFS VIII 03 09 57 21.5 35.46N 3.66W 3 3.1L,3.0
MDD VIII 03 09 57 22.4–.61 35.51N 3.65W 6–4 2.7,3.0
INMG VIII 03 09 57 24.0–1.7 35.42N 3.53W 31–28 2.2L,3.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=108.0.
INMG Event type ke. Error ellipse: s-maj=19.3km s-min=5.5km az=164.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 03 12 36 03.2–.89 35.52N–.02 3.60W–.02 22–8 129 0-5
CNRM VIII 03 12 36 01.2 35.67N 3.51W 13 3.2L **¶621012576**
SFS VIII 03 12 36 03.0 35.50N 3.63W 9 3.4L,3.2L
INMG VIII 03 12 36 03.5–1.6 35.42N 3.60W 20–10 2.3L,3.2L
MDD VIII 03 12 36 03.3–.63 35.44N 3.65W 14–8 2.8,3.2L
IGIL VIII 03 12 36 05.0 35.44N 3.65W 15 2.8,3.2L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=128.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=8.4km s-min=3.8km az=159.0.
ISC VIII 03 07 13 22.3–1.0 35.55N–.03 3.56W–.03 17–9 37 0-5
CNRM VIII 03 07 13 20.7 35.65N 3.58W 14 2.5L **¶622087318**
MDD VIII 03 07 13 24.1–.77 35.50N 3.53W 19–6 2.6
INMG VIII 03 07 13 24.5–1.4 35.48N 3.46W 30–9 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.7km az=99.0.
INMG Event type ke. Error ellipse: s-maj=7.6km s-min=3.2km az=101.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 03 13 09 27.4–1.2 35.51N–.03 3.64W–.02 21–4 157 0-7
SFS VIII 03 13 09 26.9 35.41N 3.62W 13 4.4b,3.8L **¶620961703**
INMG VIII 03 13 09 27.0–1.4 35.53N 3.63W 3–5 2.7L,3.8L
MDD VIII 03 13 09 27.8–.34 35.55N 3.60W 5 3.2,3.8L
IGIL VIII 03 13 09 27.4 35.55N 3.60W 5 3.2,3.8L
CNRM VIII 03 13 09 28.5 35.45N 3.68W 29 3.1L,3.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=140.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=176.0.
ISC VIII 03 09 05 02.9–1.1 35.58N–.03 3.54W–.04 11–10 23 0-3
CNRM VIII 03 09 05 03.3 35.58N 3.55W 16 1.9L **¶625042480**
MDD VIII 03 09 05 04.4–1.2 35.52N 3.59W 30 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.3km s-min=4.9km az=55.0.
ISC VIII 04 02 56 15.0–1.1 35.57N–.02 3.58W–.03 6–10 34 0-3
CNRM VIII 04 02 56 13.3 35.69N 3.54W 8 2.5L **¶625042561**
MDD VIII 04 02 56 16.1–.46 35.54N 3.69W 0 2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=68.0.
ISC VIII 03 15 29 09.7–1.3 35.58N–.02 3.51W–.03 6–11 40 0-5
CNRM VIII 03 15 29 08.7 35.71N 3.50W 15 2.6L **¶622087321**
INMG VIII 03 15 29 11.3–1.7 35.63N 3.56W 2–8 1.9L
MDD VIII 03 15 29 11.7–.58 35.65N 3.53W 1 2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=4.1km az=84.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=60.0.
ISC VIII 03 16 18 29.7–1.1 35.57N–.03 3.60W–.03 13–10 24 0-2
CNRM VIII 03 16 18 28.4 35.69N 3.52W 12 2.1L **¶625042515**
MDD VIII 03 16 18 29.4–1.3 35.51N 3.72W 3 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.9km s-min=4.8km az=50.0.
ISC VIII 03 14 50 26.8–1.1 35.55N–.02 3.63W–.02 9–9 102 0-5
CNRM VIII 03 14 50 22.7 35.80N 3.53W 5 3.2L **¶620961707**
INMG VIII 03 14 50 27.4–1.5 35.55N 3.63W 0–4 2.4L
MDD VIII 03 14 50 28.2–.38 35.56N 3.59W 4 3.0
SFS VIII 03 14 50 28.4 35.48N 3.60W 18 3.1L,3.0L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.8km az=43.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=179.0.
ISC VIII 03 20 35 06.8–1.2 35.51N–.02 3.61W–.02 21–4 82 0-5
CNRM VIII 03 20 35 02.4 35.76N 3.53W 0 2.4L **¶621022347**
INMG VIII 03 20 35 06.5–1.4 35.49N 3.66W 5–5 1.9L
SFS VIII 03 20 35 07.2 35.50N 3.61W 14 2.5L,2.4
MDD VIII 03 20 35 07.4–.63 35.57N 3.63W 3 2.5,2.4
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=119.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=39.0.
ISC VIII 03 23 34 09.7–1.0 35.51N–.02 3.65W–.02 12–9 81 0-5
CNRM VIII 03 23 34 05.2 35.84N 3.53W 5 2.5L **¶621022349**
MDD VIII 03 23 34 10.4–.70 35.48N 3.65W 3–6 2.4
INMG VIII 03 23 34 10.7–1.6 35.48N 3.61W 7–7 2.0L
SFS VIII 03 23 34 11.1 35.49N 3.63W 14 2.5L,2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=129.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=113.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 04 08 17 25.9–1.1 35.50N–.02 3.63W–.02 18–3 137 0-7
CNRM VIII 04 08 17 25.2 35.57N 3.59W 13 3.3L **¶620966432**
INMG VIII 04 08 17 26.7–2.0 35.50N 3.68W 4–7 2.8L
MDD VIII 04 08 17 26.1–.44 35.52N 3.67W 4–2 3.2
IGIL VIII 04 08 17 26.9 35.52N 3.67W 4 3.2
SFS VIII 04 08 17 26.9 35.50N 3.62W 16 3.6L,3.5L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=114.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=169.0.
ISC VIII 04 08 19 45.0–1.2 35.53N–.03 3.61W–.03 9–11 28 0-3
MDD VIII 04 08 19 46.5–.48 35.49N 3.73W 0 2.2 **¶625042576**
CNRM VIII 04 08 19 47.4 35.45N 3.56W 15 2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=53.0.
ISC VIII 04 15 56 53.0–1.0 35.46N–.02 3.60W–.02 8–9 118 0-6
MDD VIII 04 15 56 52.6–.37 35.41N 3.63W 0 3.2 **¶620968074**
INMG VIII 04 15 56 53.6–2.7 35.43N 3.55W 1–14 2.6L
CNRM VIII 04 15 56 53.8 35.43N 3.56W 6 3.2L
SFS VIII 04 15 56 58.8 35.42N 3.58W 28 3.4L,3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=150.0.
INMG Event type ke. Error ellipse: s-maj=8.7km s-min=6.9km az=127.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 04 17 15 40.9–1.1 35.64N–.03 3.56W–.03 14–9 25 1-3
CNRM VIII 04 17 15 38.0 35.76N 3.57W 7 2.3L **¶625042598**
MDD VIII 04 17 15 44.0–.83 35.64N 3.42W 25 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.1km s-min=3.8km az=57.0.
ISC VIII 04 17 35 20.5–1.1 35.50N–.02 3.58W–.03 16–9 76 0-5
CNRM VIII 04 17 35 18.8 35.62N 3.57W 14 2.5L **¶621022351**
SFS VIII 04 17 35 19.9 35.47N 3.67W 3 2.7L,2.6L
MDD VIII 04 17 35 21.2–.55 35.51N 3.63W 13–4 2.6,2.6L
INMG VIII 04 17 35 22.7–1.6 35.46N 3.43W 38 2.2L,2.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=137.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=94.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NW Melilla.
ISC VIII 04 19 22 31.4–1.1 35.52N–.02 3.56W–.02 20–4 103 0-5
CNRM VIII 04 19 22 29.3 35.65N 3.49W 5 2.6L **¶621022353**
SFS VIII 04 19 22 31.2 35.47N 3.68W 2 2.8L,2.8L
INMG VIII 04 19 22 32.7–1.5 35.38N 3.53W 32 2.1L,2.8L
MDD VIII 04 19 22 32.5–.56 35.47N 3.61W 13–5 2.7,2.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=11.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=158.0.
ISC VIII 04 12 36 20.2–2.1 35.48N–.03 3.62W–.03 15–16 29 0-5
CNRM VIII 04 12 36 20.0 35.59N 3.63W 19 2.2L **¶622087331**
MDD VIII 04 12 36 20.5–1.1 35.46N 3.69W 24–15 2.7
INMG VIII 04 12 36 22.4–1.8 35.49N 3.56W 22–10 1.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.5km s-min=7.3km az=144.0.
INMG Event type ke. Error ellipse: s-maj=8.2km s-min=4.7km az=99.0. #DIST_RANGE:
REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM VIII 05 02 26 04.7 35.48N 3.59W 16 ¶626714501
MDD VIII 05 02 26 51.3–.53 36.85N 3.01W 11–1 1.6 ¶625042645
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=2.3km az=172.0.
ISC VIII 06 20 32 16.3–1.1 35.45N–.03 3.61W–.02 20–5 3.9b 232 0-63
IDC VIII 06 20 32 15.6–.94 35.53N 3.61W 0 3.8b,3.5 **¶620973942**
IGIL VIII 06 20 32 15.6 35.38N 3.63W 2 2.8L,3.5
CNRM VIII 06 20 32 15.0 35.54N 3.56W 24 3.6L,3.5
MDD VIII 06 20 32 16.3–.36 35.38N 3.63W 12–3 3.5,3.5
INMG VIII 06 20 32 17.1–1.4 35.46N 3.63W 13–5 3.1L,3.5
SFS VIII 06 20 32 17.2 35.46N 3.56W 18 4.2b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=9.7km az=101.0.

MDD Event type ke. Error ellipse: s-maj=3.6km s-min=1.6km az=164.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=145.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 04 22 20 51.4–1.0 35.55N–.02 3.59W–.02 14–8 122 0-6
CNRM VIII 04 22 20 51.1 35.58N 3.60W 15 2.7L **¶621012578**
SFS VIII 04 22 20 52.2 35.48N 3.64W 6 3.2L,3.1L
INMG VIII 04 22 20 53.3–1.6 35.49N 3.58W 17–6 2.3L,3.1L
MDD VIII 04 22 20 53.4–.36 35.58N 3.55W 10 2.7,3.1L
IGIL VIII 04 22 20 53.1 35.58N 3.55W 10 2.7,3.1L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=126.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=177.0.
ISC VIII 04 19 03 03.0–1.3 35.52N–.02 3.61W–.02 21–4 75 0-5
CNRM VIII 04 19 03 00.8 35.64N 3.61W 19 2.8L **¶621022352**
MDD VIII 04 19 03 03.7–.69 35.51N 3.64W 19–8 2.6
SFS VIII 04 19 03 03.7 35.51N 3.65W 13 2.7L,2.7L
INMG VIII 04 19 03 05.0–1.8 35.48N 3.50W 23–11 2.0L,2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.4km s-min=5.0km az=162.0.
INMG Event type ke. Error ellipse: s-maj=10.5km s-min=4.7km az=98.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 06 01 37 14.6–1.3 35.53N–.03 3.59W–.03 6–12 22 0-2
CNRM VIII 06 01 37 15.9 35.57N 3.56W 21 1.8L **¶625042728**
MDD VIII 06 01 37 15.5–.84 35.52N 3.75W 2–7 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=69.0.
ISC VIII 06 01 59 34.1–1.2 35.52N–.03 3.64W–.03 25–14 21 0-2
MDD VIII 06 01 59 32.2–.59 35.52N 3.83W 3 2.5 **¶625042729**
CNRM VIII 06 01 59 34.8 35.52N 3.57W 25 1.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=87.0.
ISC VIII 06 02 19 29.5–1.0 35.54N–.02 3.60W–.02 16–8 117 0-5
CNRM VIII 06 02 19 29.8 35.58N 3.60W 26 2.8L **¶621012583**
SFS VIII 06 02 19 30.8 35.49N 3.61W 16 3.0L,2.9L
INMG VIII 06 02 19 31.2–1.7 35.50N 3.64W 12–7 2.2L,2.9L
MDD VIII 06 02 19 31.1–.37 35.52N 3.66W 11 2.7,2.9L
IGIL VIII 06 02 19 32.0 35.52N 3.66W 11 2.7,2.9L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=171.0.
ISC VIII 05 16 15 34.8–.00 35.52N–.04 3.56W–.04 22–9 20 0-2
CNRM VIII 05 16 15 34.7 35.52N 3.53W 20 2.0L **¶625042688**
MDD VIII 05 16 15 35.5–1.2 35.50N 3.61W 20 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.9km s-min=4.8km az=48.0.
ISC VIII 07 06 12 06.9–1.5 35.49N–.02 3.63W–.02 18–6 131 0-7
CNRM VIII 07 06 12 07.3 35.49N 3.65W 30 2.5L **¶621012587**
INMG VIII 07 06 12 07.0–1.7 35.48N 3.65W 5–5 2.1L
MDD VIII 07 06 12 07.4–.33 35.53N 3.65W 0 2.5
IGIL VIII 07 06 12 07.8 35.53N 3.65W 0 2.5
SFS VIII 07 06 12 08.1 35.49N 3.63W 18 2.7L,2.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=3.0km az=16.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=157.0.
ISC VIII 07 04 19 15.4–1.1 35.50N–.02 3.65W–.02 9–7 4.2b,3.8s 448 0-151
IDC VIII 07 04 19 14.9–.55 35.55N 3.60W 0 4.0b,3.9 **¶620976035**
SFS VIII 07 04 19 15.9 35.51N 3.61W 5 4.8b,4.5L
CNRM VIII 07 04 19 15.8 35.51N 3.66W 25 4.7L,4.5L
NEIC VIII 07 04 19 16.0–1.5 35.46N–.07 3.63W–.06 10–1 4.3b,4.5L
GFZ VIII 07 04 19 16.1–.21 35N–3.0 4W–2.0 10 4.6W,4.4
INMG VIII 07 04 19 16.7–2.2 35.46N 3.64W 15–6 3.7L,4.4
MDD VIII 07 04 19 16.9–.41 35.47N 3.62W 11–3 4.0,4.4
IGIL VIII 07 04 19 16.5 35.47N 3.62W 11 4.0,4.4
MED_R VIII 07 04 19 18.0 35.47N 3.55W 16 4.6W,4.4
GCMT VIII 07 04 19 18.7–.50 35.47N–.03 3.55W–.03 15–2 4.6W,4.4
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
INMG Event type ke. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-1.59±.57 $M_{\theta\theta}$-1.87±.34; $M_{\phi\phi}$0.00±.39; $M_{r\theta}$2.46±.96; $M_{\theta\phi}$-6.46±.30; $M_{\phi r}$5.31±.98; NP1: ϕ_s286.00000°,δ51.00000°,λ-168.00000°. NP2:ϕ_s188.00000°,δ81.00000°,λ-39.00000°. Principal axes: T 8.8400,Plg19.0000°,Azm243.0000°; N 0.7100,Plg50.0000°,Azm357.0000° ; P -9.5500,Plg34.0000°,Azm139.0000° $M_0$9.20000×10^{15}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108070419A. Moment Tensor Solution. s9,c11; s71,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12±.06 $M_{\theta\theta}$-0.29±.05; $M_{\phi\phi}$0.40±.06; $M_{r\theta}$0.35±.19; $M_{\theta\phi}$-0.93±.05; $M_{\phi r}$-0.35±.19; Best double couple: NP1:ϕ_s192.00000°,δ71.00000°,λ9.00000°. NP2:ϕ_s99.00000°,δ81.00000°,λ161.00000°. Principal axes: T 1.2280,Plg20.0000°,Azm54.0000°; N -0.2780,Plg69.0000°,Azm255.0000° ; P -0.9500,Plg7.0000°,Azm147.0000° $M_0$1.08900×10^{16}
ISC VIII 07 06 49 16.5–.96 35.49N–.02 3.61W–.02 17–8 136 0-6
CNRM VIII 07 06 49 16.9 35.49N 3.64W 28 2.7L **¶621012588**
INMG VIII 07 06 49 17.9–1.6 35.49N 3.72W 2 2.3L
MDD VIII 07 06 49 17.3–.46 35.40N 3.62W 7–3 2.7
IGIL VIII 07 06 49 17.5 35.40N 3.62W 7 2.7
SFS VIII 07 06 49 18.3 35.46N 3.60W 16 2.8L,2.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=165.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.3km az=161.0.
ISC VIII 07 20 10 34.4–1.4 35.55N–.03 3.60W–.04 11–12 22 0-2
CNRM VIII 07 20 10 34.9 35.58N 3.57W 14 2.1L **¶625042890**
MDD VIII 07 20 10 38.0–.95 35.51N 3.49W 29–13 2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.9km s-min=8.9km az=101.0.
INMG VIII 07 05 09 04.2–1.5 35.52N 3.60W 11–5
MDD VIII 07 05 09 03.6–.45 35.55N 3.66W 4–2 2.8 **¶622087345**
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=136.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.8km az=137.0.
ISC VIII 07 05 10 00.0–1.0 35.51N–.02 3.64W–.02 16–9 197 0-7
CNRM VIII 07 05 09 59.6 35.58N 3.63W 28 3.2L **¶620976040**
MDD VIII 07 05 10 00.6–.27 35.48N 3.66W 0 3.1
INMG VIII 07 05 10 01.5–1.6 35.51N 3.71W 8–4 2.6L
IGIL VIII 07 05 10 01.0 35.48N 3.66W 2 2.3L
SFS VIII 07 05 10 01.1 35.52N 3.63W 9 3.5L,3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=162.0.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=144.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 07 08 07 19.1–.99 35.51N–.02 3.60W–.02 20–6 141 0-7
CNRM VIII 07 08 07 18.4 35.55N 3.62W 18 3.0L **¶621012589**
INMG VIII 07 08 07 19.9–1.6 35.49N 3.63W 13–6 2.5L
MDD VIII 07 08 07 19.5–.45 35.53N 3.63W 1–2 2.8
IGIL VIII 07 08 07 19.4 35.53N 3.62W 1 2.4L
SFS VIII 07 08 07 20.5 35.49N 3.54W 24 3.1L,3.0L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=108.0.
ISC VIII 07 21 42 49.4–1.1 35.50N–.04 3.59W–.03 25–12 20 0-3
MDD VIII 07 21 42 49.6–1.4 35.55N 3.64W 10 2.5 **¶625042901**
CNRM VIII 07 21 42 50.5 35.42N 3.56W 25 2.5
ISC Event type ke.

MDD Event type ke. Error ellipse: s-maj=16.1km s-min=4.8km az=48.0.
ISC VIII 07 14 37 42.6–1.1 35.49N–.02 3.62W–.03 18–9 120 0-7
CNRM VIII 07 14 37 41.5 35.62N 3.57W 22 2.9L **¶621022357**
SFS VIII 07 14 37 42.8 35.47N 3.66W 9 3.0L,2.9L
INMG VIII 07 14 37 43.6–1.6 35.43N 3.61W 16–6 2.3L,2.9L
MDD VIII 07 14 37 43.3–.46 35.45N 3.60W 9–3 2.8,2.9L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=156.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=154.0.
ISC VIII 08 03 04 29.7–1.2 35.58N–.03 3.56W–.04 15–9 22 0-3
CNRM VIII 08 03 04 29.5 35.57N 3.57W 17 2.2L **¶625042934**
MDD VIII 08 03 04 31.2–.87 35.63N 3.52W 10 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.1km s-min=4.2km az=54.0.
ISC VIII 08 04 50 09.2–.93 35.45N–.02 3.60W–.02 28–9 133 0-7
CNRM VIII 08 04 50 07.7 35.57N 3.60W 18 **¶621012593**
INMG VIII 08 04 50 10.4–1.7 35.47N 3.59W 22–5 2.3L
SFS VIII 08 04 50 10.2 35.45N 3.57W 23 2.9L,2.8
IGIL VIII 08 04 50 11.6 35.45N 3.60W 30 2.9L,2.8
MDD VIII 08 04 50 11.4–.36 35.45N 3.60W 30 2.8,2.8
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=174.0.
ISC VIII 08 01 00 25.6–1.1 35.52N–.03 3.61W–.02 19–3 59 0-5
CNRM VIII 08 01 00 24.4 35.61N 3.52W 14 2.4L **¶622087348**
MDD VIII 08 01 00 25.8–.64 35.52N 3.66W 5–4 2.5
INMG VIII 08 01 00 26.5–1.2 35.49N 3.63W 13–9 1.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=102.0.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=2.9km az=97.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 08 05 50 38.0–.98 35.50N–.02 3.60W–.02 15–7 3.0s 206 0-78
CNRM VIII 08 05 50 36.8 35.55N 3.58W 16 3.8L **¶620976272**
SFS VIII 08 05 50 38.0 35.50N 3.62W 6 4.3b,3.9L
IDC VIII 08 05 50 37.5–1.1 35.58N 3.74W 0 3.9b,3.5
IGIL VIII 08 05 50 38.7 35.38N 3.55W 30 3.9b,3.5
MDD VIII 08 05 50 39.5–.32 35.38N 3.55W 30 3.6,3.5
INMG VIII 08 05 50 39.0–1.9 35.47N 3.61W 19–8 3.1L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=11.5km az=97.0.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=167.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 08 04 57 00.4–.94 35.52N–.02 3.60W–.02 17–8 149 0-7
CNRM VIII 08 04 56 58.6 35.64N 3.64W 11 **¶620979004**
INMG VIII 08 04 57 01.8–1.8 35.46N 3.58W 18–7 2.4L
SFS VIII 08 04 57 01.1 35.43N 3.60W 14 3.1L,3.1
MDD VIII 08 04 57 02.6–.37 35.39N 3.57W 30 2.9,3.1
IGIL VIII 08 04 57 02.6 35.39N 3.57W 30 2.9,3.1
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=112.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=167.0.
ISC VIII 08 01 02 04.0–1.1 35.48N–.02 3.58W–.02 16–10 118 0-5
CNRM VIII 08 01 02 02.5 35.64N 3.55W 11 2.7L **¶621022362**
SFS VIII 08 01 02 04.8 35.45N 3.64W 2 3.4L,3.2L
MDD VIII 08 01 02 05.9–.58 35.46N 3.59W 17–5 2.7,3.2L
INMG VIII 08 01 02 06.3–1.9 35.45N 3.50W 31–21 2.2L,3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=139.0.
INMG Event type ke. Error ellipse: s-maj=14.9km s-min=8.1km az=148.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 07 23 51 12.3–.96 35.51N–.02 3.56W–.02 22–6 167 0-7
CNRM VIII 07 23 51 09.6 35.65N 3.54W 12 **¶620976259**
SFS VIII 07 23 51 11.8 35.49N 3.62W 0 4.1b,3.5L
INMG VIII 07 23 51 13.3–1.8 35.48N 3.53W 22–7 2.4L,3.5L
IGIL VIII 07 23 51 13.5 35.48N 3.57W 20 2.4L,3.5L
MDD VIII 07 23 51 13.4–.47 35.48N 3.57W 20–4 3.0,3.5L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=131.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=158.0.
ISC VIII 08 08 01 17.9–1.3 35.55N–.03 3.59W–.03 19–3 36 0-4
CNRM VIII 08 08 01 16.1 35.65N 3.58W 18 2.4L **¶625042960**
MDD VIII 08 08 01 19.8–.61 35.48N 3.57W 21–8 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.5km s-min=4.1km az=160.0.
ISC VIII 08 00 04 03.2–1.2 35.52N–.02 3.64W–.02 6–10 98 0-5
CNRM VIII 08 00 04 03.9 35.60N 3.54W 18 2.8L **¶621022361**
INMG VIII 08 00 04 04.9–1.6 35.43N 3.63W 13–10 2.2L
SFS VIII 08 00 04 04.5 35.47N 3.69W 8 2.9L,2.8
MDD VIII 08 00 04 05.2–.64 35.48N 3.64W 8–7 2.8,2.8
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=4.7km az=142.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=163.0.
ISC VIII 08 06 18 04.4–.94 35.52N–.02 3.63W–.02 17–8 159 0-8
CNRM VIII 08 06 18 02.9 35.61N 3.59W 13 3.3L **¶620976273**
SFS VIII 08 06 18 04.4 35.52N 3.68W 0 3.3L,3.3L
INMG VIII 08 06 18 05.2–1.7 35.49N 3.63W 11–6 2.5L,3.3L
MDD VIII 08 06 18 05.0–.43 35.52N 3.65W 5–3 3.1,3.3L
IGIL VIII 08 06 18 05.6 35.52N 3.65W 5 3.1,3.3L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=143.0.
ISC VIII 08 08 37 09.0–1.0 35.46N–.02 3.60W–.02 16–7 3.8b 156 0-63
CNRM VIII 08 08 37 07.5 35.60N 3.58W 21 3.4L **¶620976276**
IDC VIII 08 08 37 07.5–2.6 35.44N 3.43W 0 3.8b,3.7
MDD VIII 08 08 37 08.9–.48 35.45N 3.58W 4–4 3.2,3.7
SFS VIII 08 08 37 08.1 35.43N 3.64W 0 3.7L,3.5L
INMG VIII 08 08 37 09.3–1.6 35.45N 3.61W 9 2.8L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=51.8km s-min=18.6km az=66.0.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.3km az=158.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=9.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM VIII 09 01 07 19.8 35.55N 3.53W 13
¶626714498
ISC VIII 09 01 18 07.8–1.0 35.45N–.02 3.66W–.02 23–11 117 0-5
CNRM VIII 09 01 18 06.5 35.56N 3.65W 24 2.1L **¶621022365**
MDD VIII 09 01 18 08.1–.46 35.47N 3.66W 4–2 2.1
SFS VIII 09 01 18 08.2 35.44N 3.64W 12 2.6L,2.6L
INMG VIII 09 01 18 08.4–1.5 35.46N 3.62W 15–4 1.7L,2.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=167.0.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=42.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM VIII 09 11 09 31.3 35.43N 3.60W 24
¶625043103
ISC VIII 08 23 10 56.8–.94 35.54N–.02 3.60W–.02 16–8 127 0-7
CNRM VIII 08 23 10 56.8 35.55N 3.61W 25 2.8L **¶621022359**
SFS VIII 08 23 10 57.9 35.48N 3.62W 13 2.8L,2.7
INMG VIII 08 23 10 58.9–1.8 35.50N 3.54W 19–6 2.1L,2.7
MDD VIII 08 23 10 58.4–.39 35.57N 3.56W 3–2 2.5,2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=119.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=136.0.

ISC VIII 08 23 42 38.0–1.0 35.57N–.02 3.63W–.02 13–9 69 0-4
CNRM VIII 08 23 42 37.9 35.62N 3.58W 15 2.0L ¶621022360
SFS VIII 08 23 42 40.4 35.48N 3.62W 14 2.6L,2.5L
MDD VIII 08 23 42 42.6–.51 35.69N 3.57W 0 2.1,2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=48.0.
ISC VIII 09 02 46 09.1–.99 35.50N–.02 3.55W–.02 17–8 119 0-6
CNRM VIII 09 02 46 09.1 35.56N 3.61W 25 2.3L ¶621012594
SFS VIII 09 02 46 09.4 35.50N 3.67W 7 2.7L,2.6
IGIL VIII 09 02 46 09.4 35.61N 3.50W 0 2.7L,2.6
MDD VIII 09 02 46 11.5–.40 35.61N 3.50W 0 2.2,2.6
INMG VIII 09 02 46 11.9–1.6 35.49N 3.49W 20–7 2.0L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=8.0.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=5.1km az=170.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 09 03 25 00.7–1.1 35.54N–.02 3.64W–.02 9–9 101 0-5
SFS VIII 09 03 25 01.8 35.48N 3.64W 7 2.6L,2.5 ¶621022366
INMG VIII 09 03 25 01.9–1.4 35.55N 3.59W 11–5 2.6L,2.5
MDD VIII 09 03 25 01.5–.36 35.54N 3.64W 0 2.2,2.5
CNRM VIII 09 03 25 01.8 35.51N 3.60W 25 2.3L,2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=80.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=141.0.
ISC VIII 08 20 11 11.0–1.1 35.48N–.02 3.51W–.02 25–12 116 0-7
CNRM VIII 08 20 11 10.7 35.53N 3.59W 25 2.5L ¶621022358
INMG VIII 08 20 11 12.6–2.0 35.47N 3.47W 27–13 2.1L
SFS VIII 08 20 11 12.1 35.47N 3.57W 16 3.0L,2.9L
MDD VIII 08 20 11 13.1–.38 35.47N 3.36W 34–9 2.5,2.9L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=107.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=153.0.
ISC VIII 09 04 04 36.5–1.0 35.52N–.02 3.60W–.02 18–7 152 0-7
MDD VIII 09 04 04 36.9–.30 35.51N 3.63W 0 2.8 ¶621022367
CNRM VIII 09 04 04 36.2 35.55N 3.62W 23 2.9L
SFS VIII 09 04 04 36.5 35.48N 3.66W 8 3.1L,3.0
INMG VIII 09 04 04 37.3–1.6 35.50N 3.61W 9–4 2.3L,3.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=152.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=25.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 09 14 13 16.0–1.1 35.61N–.02 3.65W–.02 9–9 65 0-5
CNRM VIII 09 14 13 15.4 35.69N 3.59W 9 2.8L ¶622087355
INMG VIII 09 14 13 17.3–2.1 35.49N 3.64W 14–10 2.2L
MDD VIII 09 14 13 18.0–.46 35.48N 3.60W 20–5 2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=116.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=150.0.
ISC VIII 09 11 24 00.3–1.1 35.57N–.03 3.61W–.03 25–14 26 0-3
CNRM VIII 09 11 23 57.1 35.75N 3.56W 7 2.6L ¶625043107
MDD VIII 09 11 24 03.8–.46 35.46N 3.40W 33–18 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.5km s-min=4.4km az=101.0.
ISC VIII 09 11 35 10.4–1.1 35.59N–.03 3.65W–.03 23–13 24 0-4
CNRM VIII 09 11 35 06.5 35.80N 3.59W 9 2.2L ¶625043109
MDD VIII 09 11 35 12.8–1.1 35.50N 3.52W 23 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.9km s-min=4.1km az=52.0.
ISC VIII 09 15 00 51.8–1.1 35.52N–.02 3.64W–.02 13–9 86 0-5
CNRM VIII 09 15 00 50.4 35.67N 3.61W 18 ¶621022369
INMG VIII 09 15 00 53.8–1.7 35.50N 3.58W 18–7 2.0L
SFS VIII 09 15 00 53.3 35.48N 3.63W 12 2.7L,2.6
MDD VIII 09 15 00 53.6–.49 35.44N 3.58W 24–6 2.5,2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=118.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=143.0.
ISC VIII 09 11 37 44.4–.94 35.52N–.03 3.59W–.03 22–8 46 0-5
CNRM VIII 09 11 37 41.1 35.73N 3.54W 10 2.6L ¶622087354
INMG VIII 09 11 37 45.3–1.8 35.49N 3.57W 21–9 1.9L
MDD VIII 09 11 37 46.2–.65 35.49N 3.49W 27–8 2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=111.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.2km az=105.0.
ISC VIII 09 15 06 32.8–1.1 35.52N–.02 3.61W–.02 20–5 100 0-5
CNRM VIII 09 15 06 31.7 35.58N 3.60W 19 2.3L ¶621022370
SFS VIII 09 15 06 32.0 35.53N 3.71W 0 2.8L,2.7L
MDD VIII 09 15 06 33.8–.45 35.45N 3.59W 25–6 2.5,2.7L
INMG VIII 09 15 06 34.1–1.5 35.51N 3.57W 21–6 1.9L,2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=146.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=125.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 10 10 02 06.7–1.1 35.55N–.02 3.54W–.02 11–8 4.1b 227 0-63
NEIC VIII 10 10 02 06.9–1.1 35.56N–.07 3.31W–.10 10–2 4.4b ¶620979440
SFS VIII 10 10 02 08.8 35.48N 3.62W 10 3.9L,3.8L
IDC VIII 10 10 02 08.5–3.4 35.59N 3.26W 0 4.0L,3.8b
MDD VIII 10 10 02 08.8–.28 35.49N 3.65W 4 3.4,3.8b
CNRM VIII 10 10 02 08.5 35.56N 3.68W 34 3.4,3.8b
IGIL VIII 10 10 02 08.5 35.49N 3.65W 0 2.9L,3.8b
INMG VIII 10 10 02 09.1–1.7 35.49N 3.64W 9–6 3.1L,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.4km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.3km s-min=19.5km az=66.0.
MDD Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=174.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 09 12 54 50.7–1.0 35.51N–.02 3.63W–.02 23–11 126 0-7
CNRM VIII 09 12 54 46.7 35.75N 3.60W 10 3.1L ¶620979032
SFS VIII 09 12 54 49.8 35.46N 3.70W 0 3.1L,3.0
INMG VIII 09 12 54 50.9–1.8 35.44N 3.63W 18–11 2.4L,3.0
MDD VIII 09 12 54 51.1–.41 35.40N 3.58W 27–5 2.9,3.0
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=8.3km s-min=4.6km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=2.5km az=152.0.
ISC VIII 09 17 51 25.4–.96 35.50N–.02 3.61W–.02 27–10 146 0-7
CNRM VIII 09 17 51 23.9 35.62N 3.59W 24 3.0L ¶621022364
SFS VIII 09 17 51 26.5 35.49N 3.62W 12 3.1L,3.0
MDD VIII 09 17 51 26.5–.42 35.49N 3.60W 19–4 2.8,3.0
INMG VIII 09 17 51 26.7–1.2 35.52N 3.59W 20–4 2.3L,3.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=157.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
CNRM VIII 09 20 42 37.1 35.65N 3.56W 12 1.4L ¶626714513
ISC VIII 10 04 17 11.1–1.3 35.60N–.03 3.64W–.03 3–12 53 0-6
MDD VIII 10 04 17 08.8–.73 35.48N 3.81W 2–4 2.4 ¶625043198
CNRM VIII 10 04 17 11.8 35.59N 3.66W 0 2.7L
INMG VIII 10 04 17 12.9–1.3 35.50N 3.59W 15 2.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.1km az=70.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=49.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.

ISC VIII 10 10 04 22.9–1.0 35.55N–.02 3.64W–.02 11–9 139 0-7
CNRM VIII 10 10 04 23.2 35.59N 3.70W 15 3.7L ¶620979441
INMG VIII 10 10 04 24.9–1.6 35.47N 3.63W 14–6 2.8L
SFS VIII 10 10 04 24.5 35.48N 3.63W 15 3.6L,3.5L
MDD VIII 10 10 04 25.0–.30 35.45N 3.65W 20 3.2,3.5L
IGIL VIII 10 10 04 26.0 35.45N 3.65W 21 3.2,3.5L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=134.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=173.0.
ISC VIII 10 10 05 47.9–1.0 35.50N–.02 3.62W–.02 17–7 181 0-8
INMG VIII 10 10 05 47.6–1.8 35.39N 3.68W 9–12 3.0L ¶625043234
MDD VIII 10 10 05 47.5–.36 35.33N 3.65W 12 3.4
CNRM VIII 10 10 05 48.2 35.53N 3.61W 23 3.9L
SFS VIII 10 10 05 48.0 35.51N 3.64W 11 4.2L,3.8L
IGIL VIII 10 10 05 48.7 35.33N 3.65W 12 2.7L,3.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=9.6km s-min=3.8km az=159.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=175.0.
ISC VIII 10 05 49 53.8–.00 35.47N–.02 3.63W–.02 26–11 129 0-7
CNRM VIII 10 05 49 53.9 35.49N 3.66W 37 ¶620979406
SFS VIII 10 05 49 54.4 35.50N 3.62W 12 3.0L,2.9L
INMG VIII 10 05 49 54.6–1.4 35.41N 3.57W 28 2.3L,2.9L
IGIL VIII 10 05 49 54.9 35.45N 3.52W 25 2.3L,2.9L
MDD VIII 10 05 49 55.5–.34 35.45N 3.52W 24 3.0,2.9L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=16.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=11.0.
ISC VIII 10 14 34 16.3–1.0 35.52N–.02 3.62W–.03 16–8 94 0-5
CNRM VIII 10 14 34 13.9 35.68N 3.59W 12 2.6L ¶621022374
MDD VIII 10 14 34 16.8–.53 35.47N 3.63W 9–5 2.6
SFS VIII 10 14 34 17.0 35.51N 3.61W 11 2.9L,2.8
INMG VIII 10 14 34 17.3–1.6 35.48N 3.63W 11 2.1L,2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=147.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=79.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 10 01 45 16.4–1.2 35.53N–.02 3.68W–.02 6–10 100 0-5
SFS VIII 10 01 45 17.7 35.51N 3.66W 4 2.5L,2.5L ¶621022371
CNRM VIII 10 01 45 17.6 35.59N 3.55W 15 2.0L,2.5L
MDD VIII 10 01 45 18.3–.35 35.55N 3.64W 0 2.1,2.5L
INMG VIII 10 01 45 18.0–1.4 35.45N 3.65W 12 1.7L,2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=132.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=12.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 10 09 23 42.0–1.3 35.57N–.03 3.59W–.05 13–10 19 0-2
CNRM VIII 10 09 23 41.0 35.65N 3.52W 11 2.2L ¶625043232
MDD VIII 10 09 23 41.2–1.2 35.52N 3.72W 5 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.5km s-min=3.5km az=53.0.
ISC VIII 11 08 57 53.0–1.1 35.51N–.02 3.62W–.02 19–3 87 0-5
CNRM VIII 11 08 57 52.5 35.58N 3.60W 24 2.9L ¶620980052
INMG VIII 11 08 57 53.5–1.8 35.51N 3.71W 2–5 2.4L
MDD VIII 11 08 57 54.0–.42 35.46N 3.62W 12 2.9
IGIL VIII 11 08 57 54.0 35.46N 3.62W 12 2.9
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=148.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=16.0.
ISC VIII 10 19 52 19.1–1.0 35.49N–.02 3.57W–.02 24–11 136 0-7
CNRM VIII 10 19 52 16.5 35.66N 3.58W 17 3.1L ¶620979711
SFS VIII 10 19 52 18.9 35.46N 3.60W 9 3.5L,3.4L
INMG VIII 10 19 52 20.5–1.7 35.54N 3.57W 16–7 2.5L,3.4L
MDD VIII 10 19 52 20.5–.42 35.49N 3.53W 19–4 3.0,3.4L
IGIL VIII 10 19 52 20.0 35.49N 3.53W 19 3.0,3.4L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=23.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=163.0.
ISC VIII 10 16 03 49.9–1.5 35.56N–.04 3.64W–.04 6–13 16 0-2
MDD VIII 10 16 03 52.4–1.6 35.44N 3.60W 30 2.6 ¶625043266
CNRM VIII 10 16 03 54.5 35.35N 3.56W 5 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=14.8km s-min=5.9km az=53.0.
ISC VIII 10 17 20 52.3–1.1 35.55N–.03 3.61W–.03 13–10 30 0-4
CNRM VIII 10 17 20 50.7 35.65N 3.60W 9 2.4L ¶625043272
MDD VIII 10 17 20 53.6–1.1 35.47N 3.61W 8–8 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=4.6km az=97.0.
ISC VIII 10 17 32 42.8–1.1 35.56N–.02 3.58W–.03 16–9 63 0-5
CNRM VIII 10 17 32 41.4 35.64N 3.60W 13 2.9L ¶622087364
INMG VIII 10 17 32 44.3–1.7 35.50N 3.60W 13 2.2L
MDD VIII 10 17 32 44.8–.57 35.48N 3.56W 16–6 2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=66.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=130.0.
ISC VIII 11 09 25 42.9–1.2 35.52N–.03 3.62W–.03 19–3 30 0-3
MDD VIII 11 09 25 42.9–.62 35.53N 3.65W 10 2.6 ¶625043357
CNRM VIII 11 09 25 42.9 35.52N 3.62W 22 2.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.5km s-min=3.0km az=42.0.
ISC VIII 11 11 39 26.4–1.1 35.51N–.03 3.59W–.03 24–12 70 0-5
CNRM VIII 11 11 39 25.2 35.63N 3.60W 24 2.5L ¶622087372
INMG VIII 11 11 39 27.1–1.7 35.61N 3.61W 4–4 2.1L
MDD VIII 11 11 39 27.1–.45 35.59N 3.58W 10 2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=3.7km az=106.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=46.0.
ISC VIII 11 04 51 31.8–1.0 35.61N–.02 3.64W–.02 14–9 70 0-5
CNRM VIII 11 04 51 29.9 35.71N 3.57W 12 2.2L ¶622087369
INMG VIII 11 04 51 33.1–1.6 35.47N 3.58W 30–8 2.0L
MDD VIII 11 04 51 33.1–.36 35.44N 3.59W 35–8 2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=3.4km az=145.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.6km az=153.0.
ISC VIII 11 19 16 31.0–1.3 35.45N–.02 3.60W–.02 18–5 117 0-6
CNRM VIII 11 19 16 30.9 35.47N 3.61W 27 ¶621022377
SFS VIII 11 19 16 31.3 35.42N 3.67W 9 3.2L,3.0L
INMG VIII 11 19 16 33.0–1.8 35.45N 3.57W 23–7 2.3L,3.0L
MDD VIII 11 19 16 33.2–.45 35.39N 3.59W 22–5 2.7,3.0L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=114.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=156.0.
ISC VIII 11 12 28 34.5–1.0 35.56N–.02 3.60W–.02 16–8 130 0-7
CNRM VIII 11 12 28 33.5 35.64N 3.60W 15 ¶620983073
SFS VIII 11 12 28 34.8 35.48N 3.58W 27 3.3L,3.2L
MDD VIII 11 12 28 35.6–.42 35.52N 3.65W 19 2.9,3.2L
INMG VIII 11 12 28 35.5–1.8 35.60N 3.60W 4–4 2.4L,3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=21.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=84.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 11 19 35 40.9–1.4 35.49N–.02 3.61W–.02 11–11 158 0-7
CNRM VIII 11 19 35 42.8 35.46N 3.64W 28 2.8L ¶620983147

INMG VIII 11 19 35 43.8–1.6 35.45N 3.61W 19–6 2.4L
SFS VIII 11 19 35 43.4 35.44N 3.61W 15 3.5L,3.2L
MDD VIII 11 19 35 44.2–.42 35.41N 3.59W 22–4 2.9,3.2L
IGIL VIII 11 19 35 44.6 35.41N 3.59W 22 2.9,3.2L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=117.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.3km az=164.0.
ISC VIII 12 12 25 09.0–1.2 36.36N–.03 7.49W–.03 55–17 153 1-6
CNRM VIII 12 12 25 06.5 36.24N 7.92W 80 2.8L **¶620984157**
IGIL VIII 12 12 25 08.7 36.37N 7.52W 8 2.1L
SFS VIII 12 12 25 08.3 36.34N 7.51W 15 2.9L,2.9L
INMG VIII 12 12 25 09.1–1.4 36.37N 7.52W 9–5 2.4L,2.9L
MDD VIII 12 12 25 09.9–.32 36.34N 7.52W 39 2.9,2.9L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.6km az=28.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Golfo de Cadiz.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=39.0.
ISC VIII 11 14 18 10.7–1.1 35.48N–.02 3.66W–.02 15–9 140 0-7
MDD VIII 11 14 18 11.7–.49 35.50N 3.66W 5–4 3.0 **¶620983075**
SFS VIII 11 14 18 11.3 35.49N 3.65W 7 3.4L,3.3L
CNRM VIII 11 14 18 11.1 35.54N 3.62W 25 3.2L,3.3L
INMG VIII 11 14 18 12.3–1.8 35.50N 3.63W 14–8 2.5L,3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=154.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=122.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 11 21 12 47.1–1.2 35.53N–.02 3.61W–.02 10–10 259 0-8
CNRM VIII 11 21 12 49.2 35.45N 3.60W 31 3.4L **¶620983151**
SFS VIII 11 21 12 49.2 35.49N 3.65W 6 3.4L,3.3L
MDD VIII 11 21 12 50.2–.37 35.52N 3.58W 16–4 3.0,3.3L
IGIL VIII 11 21 12 50.3 35.52N 3.58W 16 3.0,3.3L
INMG VIII 11 21 12 50.8–1.5 35.55N 3.58W 21–4 2.6L,3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=162.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 11 21 14 20.2–1.2 35.52N–.03 3.60W–.03 15–10 28 0-3
CNRM VIII 11 21 14 21.7 35.59N 3.60W 31 2.6L **¶625043395**
MDD VIII 11 21 14 24.1–.83 35.51N 3.61W 17–8 2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=4.1km az=102.0.
ISC VIII 12 05 00 51.5–1.0 35.59N–.03 3.61W–.03 17–9 23 0-3
CNRM VIII 12 05 00 48.7 35.79N 3.62W 6 2.1L **¶625043451**
MDD VIII 12 05 00 54.0–.87 35.43N 3.56W 29 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.6km s-min=3.9km az=39.0.
ISC VIII 12 03 48 35.4–1.1 36.56N–.03 7.54W–.03 59–11 219 1-8
CNRM VIII 12 03 48 32.7 36.43N 7.64W 16 2.5L **¶620983372**
MDD VIII 12 03 48 36.3–.27 36.55N 7.58W 24 3.0
SFS VIII 12 03 48 36.8 36.54N 7.56W 38 3.8b,3.1L
INMG VIII 12 03 48 37.4–1.4 36.55N 7.57W 26–4 2.5L,3.1L
IGIL VIII 12 03 48 37.5 36.54N 7.56W 32 2.3L,3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=35.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=42.0. #DIST_RANGE: LOCAL #IPMA_REGION: Golfo de Cadiz.
ISC VIII 12 20 35 24.9–.78 35.47N–.02 3.63W–.02 19–3 224 0-86
CNRM VIII 12 20 35 22.8 35.56N 3.66W 22 4.0L **¶620984540**
IGIL VIII 12 20 35 23.8 35.34N 3.62W 13 3.3L
SFS VIII 12 20 35 23.2 35.50N 3.63W 1 4.5b,4.2L
MDD VIII 12 20 35 23.6–.32 35.34N 3.62W 13 3.5,4.2L
IDC VIII 12 20 35 23.7–1.1 35.49N 3.61W 0 3.9b,3.6
INMG VIII 12 20 35 24.1–1.6 35.49N 3.72W 3–5 3.3L,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=177.0.
IDC Error ellipse: s-maj=23.3km s-min=9.7km az=99.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=138.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 12 10 05 48.1–1.1 35.56N–.02 3.58W–.02 18–7 133 0-7
CNRM VIII 12 10 05 46.0 35.68N 3.57W 14 3.6L **¶620983525**
INMG VIII 12 10 05 48.8–1.7 35.48N 3.65W 7–8 2.7L
SFS VIII 12 10 05 48.9 35.49N 3.63W 14 3.4L,3.3
MDD VIII 12 10 05 49.2–.52 35.50N 3.61W 16–5 3.0,3.3
IGIL VIII 12 10 05 49.8 35.50N 3.61W 16 3.0,3.3
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=102.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=154.0.
ISC VIII 13 03 07 45.4–.89 35.48N–.02 3.62W–.02 22–7 105 0-6
MDD VIII 13 03 07 45.9–.58 35.51N 3.64W 2–5 2.4 **¶621022378**
SFS VIII 13 03 07 45.8 35.50N 3.64W 6 2.6L,2.5
CNRM VIII 13 03 07 45.1 35.50N 3.60W 26 2.3L,2.5
INMG VIII 13 03 07 46.2–2.0 35.50N 3.62W 9–7 2.0L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=133.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=114.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 12 19 37 10.5–1.0 35.50N–.02 3.61W–.02 20–5 182 0-8
CNRM VIII 12 19 37 10.5 35.52N 3.64W 25 3.3L **¶620984528**
SFS VIII 12 19 37 10.9 35.49N 3.63W 4 4.3,4.2L
INMG VIII 12 19 37 11.8–1.3 35.49N 3.61W 15–4 3.0L,4.2L
MDD VIII 12 19 37 11.6–.31 35.51N 3.62W 13 3.0,4.2L
IGIL VIII 12 19 37 12.0 35.51N 3.62W 9 2.6L,4.2L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=4.0.
CNRM VIII 13 05 54 05.2 35.41N 3.56W 0
¶626714497
ISC VIII 13 12 41 55.0–1.1 35.55N–.02 3.61W–.02 15–8 153 0-63
CNRM VIII 13 12 41 53.1 35.63N 3.62W 15 3.5L **¶620986249**
IDC VIII 13 12 41 53.3–1.9 35.45N 3.72W 0 4.3s,3.4b
SFS VIII 13 12 41 54.4 35.49N 3.65W 2 3.6L,3.5L
INMG VIII 13 12 41 55.6–1.6 35.48N 3.59W 19–9 2.7L,3.5L
MDD VIII 13 12 41 56.1–.44 35.49N 3.55W 24–6 3.2,3.5L
IGIL VIII 13 12 41 56.5 35.49N 3.55W 24 3.2,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=49.1km s-min=15.7km az=79.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=140.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=5.7km s-min=2.9km az=164.0.
ISC VIII 13 06 47 41.4–1.6 35.53N–.03 3.64W–.03 9–13 33 0-4
CNRM VIII 13 06 47 42.4 35.56N 3.66W 23 2.4L **¶625043535**
MDD VIII 13 06 47 44.1–.68 35.45N 3.57W 39 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.0km az=38.0.
ISC VIII 14 10 56 02.1–1.1 35.46N–.02 3.62W–.02 14–8 4.1b 253 0-63
SFS VIII 14 10 56 02.5 35.50N 3.61W 0 4.1b,3.8L **¶620986701**
MDD VIII 14 10 56 03.0–.24 35.50N 3.63W 0 3.3,3.8L
CNRM VIII 14 10 56 02.5 35.47N 3.63W 29 3.5L,3.8L
IDC VIII 14 10 56 02.0–.83 35.48N 3.37W 0 3.8b,3.7
IGIL VIII 14 10 56 03.0 35.50N 3.63W 0 3.8b,3.7
INMG VIII 14 10 56 03.6–1.7 35.36N 3.55W 33–12 3.0L,3.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=171.0.
IDC Error ellipse: s-maj=27.4km s-min=9.3km az=101.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=2.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 13 20 47 53.7–1.1 35.51N–.02 3.66W–.02 8–9 89 0-5
CNRM VIII 13 20 47 52.1 35.67N 3.56W 10 **¶621022380**
MDD VIII 13 20 47 55.3–.46 35.50N 3.66W 0 2.5
SFS VIII 13 20 47 55.5 35.47N 3.61W 10 2.7L,2.6
INMG VIII 13 20 47 55.9–1.6 35.44N 3.60W 18–10 2.0L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=26.0.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 14 07 27 06.9–1.0 35.49N–.04 3.60W–.03 27–11 25 0-2
MDD VIII 14 07 27 05.5–.87 35.44N 3.72W 0–9 2.5 **¶621022381**
CNRM VIII 14 07 27 06.5 35.55N 3.57W 23 2.1L
SFS VIII 14 07 27 08.4 35.73N 3.32W 81 2.8L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.2km s-min=3.7km az=32.0.
MDD VIII 14 07 27 15.7–.31 36.79N 3.09W 12 2.3
SFS VIII 14 07 27 15.4 36.78N 3.08W 3 2.5L,2.4 **¶621022384**
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=173.0.
ISC VIII 14 11 41 01.7–.99 35.45N–.02 3.64W–.02 17–8 126 0-6
CNRM VIII 14 11 41 02.5 35.46N 3.68W 30 2.5L **¶621012611**
INMG VIII 14 11 41 02.4–1.7 35.45N 3.62W 11–8 2.2L
MDD VIII 14 11 41 02.4–.49 35.43N 3.62W 10–4 2.5
IGIL VIII 14 11 41 02.8 35.43N 3.62W 10 2.5
SFS VIII 14 11 41 02.2 35.45N 3.63W 13 3.0L,2.8
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=16.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=161.0.
ISC VIII 14 12 36 21.1–1.0 35.46N–.02 3.61W–.03 22–5 59 0-5
CNRM VIII 14 12 36 19.3 35.56N 3.64W 24 2.5L **¶622087403**
MDD VIII 14 12 36 21.3–.57 35.48N 3.61W 8–4 2.3
INMG VIII 14 12 36 22.1–2.1 35.47N 3.55W 21–11 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=58.0.
INMG Event type ke. Error ellipse: s-maj=8.4km s-min=5.2km az=108.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 14 16 23 01.4–1.2 36.33N–.03 7.98W–.03 35 155 1-6
SFS VIII 14 16 23 02.5 36.32N 8.03W 30 3.6L,3.4L **¶620986722**
INMG VIII 14 16 23 03.6–1.5 36.33N 8.00W 31–6 2.9L,3.4L
MDD VIII 14 16 23 03.0–.35 36.38N 8.01W 30 3.2,3.4L
IGIL VIII 14 16 23 04.1 36.33N 8.00W 31 2.9L,3.4L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=76.0. #DIST_RANGE: REGIONAL #IPMA_REGION: S Faro.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=47.0.
ISC VIII 14 23 37 43.2–1.0 35.45N–.02 3.61W–.02 17–8 129 0-7
CNRM VIII 14 23 37 41.2 35.63N 3.57W 19 2.5L **¶621012614**
SFS VIII 14 23 37 42.6 35.45N 3.69W 0 2.9L,2.8L
INMG VIII 14 23 37 43.6–1.5 35.43N 3.62W 8–6 2.1L,2.8L
MDD VIII 14 23 37 44.6–.34 35.43N 3.61W 17 2.5,2.8L
IGIL VIII 14 23 37 44.6 35.43N 3.61W 17 2.5,2.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=120.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=0.0.
ISC VIII 14 16 57 22.1–.90 35.47N–.02 3.62W–.02 22–6 124 0-5
CNRM VIII 14 16 57 20.4 35.60N 3.59W 16 2.6L **¶621022385**
SFS VIII 14 16 57 20.8 35.42N 3.69W 0 3.3L,3.0L
INMG VIII 14 16 57 22.5–1.7 35.40N 3.54W 28–12 2.2L,3.0L
MDD VIII 14 16 57 22.7–.53 35.42N 3.57W 22–7 2.7,3.0L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.7km s-min=5.3km az=140.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=8.1km s-min=3.6km az=168.0.
ISC VIII 15 12 10 23.6–1.2 35.47N–.02 3.61W–.02 21–3 163 0-7
CNRM VIII 15 12 10 21.7 35.60N 3.61W 15 2.7L **¶621022390**
MDD VIII 15 12 10 22.7–.30 35.45N 3.63W 0 2.6
SFS VIII 15 12 10 23.4 35.48N 3.62W 4 3.3L,3.1L
INMG VIII 15 12 10 23.5–1.7 35.39N 3.63W 12–8 2.3L,3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=4.0.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=162.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 14 22 03 46.6–1.2 35.51N–.02 3.64W–.03 11–10 65 0-4
CNRM VIII 14 22 03 45.9 35.59N 3.53W 11 2.2L **¶621022387**
SFS VIII 14 22 03 46.8 35.50N 3.69W 2 2.5L,2.5L
MDD VIII 14 22 03 47.1–.41 35.50N 3.67W 0 2.3,2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=49.0.
ISC VIII 14 22 13 47.8–1.1 35.49N–.03 3.66W–.02 11–8 4.2s 206 1-82
IDC VIII 14 22 13 46.5–1.9 35.51N 3.93W 0 4.3s,3.6L **¶620986827**
IGIL VIII 14 22 13 47.8 35.44N 3.62W 0 2.7L,3.6L
INMG VIII 14 22 13 48.9–1.7 35.49N 3.68W 5–5 3.0L,3.6L
SFS VIII 14 22 13 48.5 35.50N 3.62W 3 4.2b,4.2L
MDD VIII 14 22 13 51.5–.28 35.32N 3.66W 29 3.5,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=15.7km az=81.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=148.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=168.0.
ISC VIII 17 01 17 49.8–1.0 35.51N–.02 3.61W–.02 18–7 3.7b 215 0-63
CNRM VIII 17 01 17 47.2 35.67N 3.55W 17 3.4L **¶620990408**
IDC VIII 17 01 17 47.8–1.9 35.45N 3.57W 0 3.5b,3.5
SFS VIII 17 01 17 49.7 35.50N 3.63W 4 4.3b,3.8L
MDD VIII 17 01 17 50.8–.42 35.50N 3.63W 13–4 3.3,3.8L
INMG VIII 17 01 17 51.1–1.8 35.51N 3.57W 20–6 3.0L,3.8L
IGIL VIII 17 01 17 51.2 35.50N 3.63W 13 2.8L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=15.2km az=78.0.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=155.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 15 15 15 55.0–.97 35.47N–.02 3.63W–.02 26–10 90 0-6
CNRM VIII 15 15 15 54.5 35.51N 3.65W 27 2.6L **¶621022391**
MDD VIII 15 15 15 56.0–.56 35.46N 3.58W 29–12 2.6
SFS VIII 15 15 15 55.3 35.47N 3.66W 13 2.7L,2.6
INMG VIII 15 15 15 56.5–1.5 35.48N 3.54W 34 2.2L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.8km s-min=4.4km az=150.0.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=20.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 15 10 52 34.8–1.4 35.45N–.03 3.61W–.03 1–11 53 0-5
CNRM VIII 15 10 52 36.8 35.47N 3.60W 26 2.2L **¶622087407**
MDD VIII 15 10 52 37.7–.59 35.49N 3.62W 4–4 2.5
INMG VIII 15 10 52 38.6–1.7 35.44N 3.56W 15–11 1.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=15.0.
INMG Event type ke. Error ellipse: s-maj=8.2km s-min=4.4km az=97.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 17 01 26 31.0–1.0 35.51N–.02 3.62W–.02 15–8 174 0-61
CNRM VIII 17 01 26 30.6 35.54N 3.58W 27 3.1L **¶620990409**
SFS VIII 17 01 26 31.3 35.49N 3.63W 6 3.3L,3.3L
INMG VIII 17 01 26 31.0–2.0 35.47N 3.67W 1–10 2.6L,3.3L
IDC VIII 17 01 26 31.1–1.8 35.63N 3.65W 0 3.5b,3.5
IGIL VIII 17 01 26 32.4 35.45N 3.58W 20 3.5b,3.5
MDD VIII 17 01 26 32.4–.43 35.45N 3.58W 20–4 3.1,3.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=4.6km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IDC Error ellipse: s-maj=43.6km s-min=15.9km az=79.0.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=160.0.
ISC VIII 17 02 17 30.9–1.0 35.49N–.02 3.63W–.02 24–11 167 0-8
CNRM VIII 17 02 17 28.0 35.72N 3.48W 22 3.1L **¶620990412**

SFS VIII 17 02 17 30.4 35.48N 3.66W 4 3.4L,3.3L
INMG VIII 17 02 17 31.3–1.4 35.51N 3.66W 8–5 2.5L,3.3L
MDD VIII 17 02 17 31.6–.48 35.49N 3.62W 14–5 2.9,3.3L
IGIL VIII 17 02 17 32.0 35.49N 3.62W 14 2.9,3.3L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.6km az=156.0.
ISC VIII 17 11 58 10.6–1.1 35.43N–.02 3.62W–.02 16–9 97 0-5
MDD VIII 17 11 58 10.9–.35 35.45N 3.66W 0 2.5 **¶621022394**
CNRM VIII 17 11 58 11.8 35.40N 3.55W 25 2.5L
INMG VIII 17 11 58 11.7–1.4 35.45N 3.62W 10–8 2.1L
SFS VIII 17 11 58 12.3 35.46N 3.58W 13 2.9L,2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=15.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=118.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 18 02 38 35.9–1.1 36.23N–.02 4.08W–.02 11–9 97 1-6
INMG VIII 18 02 38 37.5–1.8 36.28N 4.09W 1 1.9L **¶621022400**
MDD VIII 18 02 38 37.1–.56 36.26N 4.09W 0 2.5
SFS VIII 18 02 38 37.2 36.26N 4.09W 6 2.7L,2.7L
CNRM VIII 18 02 38 40.0 36.04N 4.15W 23 1.6L,2.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.4km az=159.0.
ISC VIII 17 08 56 08.5–1.4 35.48N–.02 3.62W–.03 14–11 66 0-5
SFS VIII 17 08 56 08.8 35.47N 3.68W 4 2.5L,2.5L **¶621022393**
CNRM VIII 17 08 56 09.9 35.40N 3.56W 15 2.3L,2.5L
INMG VIII 17 08 56 09.7–1.6 35.46N 3.64W 4–9 1.9L,2.5L
MDD VIII 17 08 56 10.2–.69 35.48N 3.62W 9–6 2.4,2.5L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=102.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=116.0.
ISC VIII 17 18 05 54.4–1.1 35.51N–.02 3.65W–.03 10–10 84 0-4
CNRM VIII 17 18 05 51.8 35.73N 3.57W 11 2.3L **¶621022398**
SFS VIII 17 18 05 54.5 35.47N 3.68W 1 2.7L,2.6
MDD VIII 17 18 05 55.2–.54 35.43N 3.63W 13–5 2.4,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=149.0.
ISC VIII 18 17 44 49.7–1.1 35.53N–.03 3.58W–.03 16–10 39 0-4
CNRM VIII 18 17 44 48.4 35.61N 3.56W 13 2.5L **¶625044050**
MDD VIII 18 17 44 50.7–.58 35.47N 3.61W 16–8 2.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.7km s-min=4.2km az=162.0.
ISC VIII 18 07 04 34.6–1.2 36.58N–.03 7.05W–.02 6–10 103 1-6
CNRM VIII 18 07 04 34.2 36.52N 7.16W 4 3.8L **¶621012621**
INMG VIII 18 07 04 39.0–1.8 36.71N 7.08W 15–4 2.5L
MDD VIII 18 07 04 39.1–.63 36.74N 7.09W 0 2.8
IGIL VIII 18 07 04 39.0 36.75N 7.06W 1 2.5L
SFS VIII 18 07 04 40.0 36.78N 7.12W 0 2.9L,2.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=13.0. #DIST_RANGE: LOCAL #IPMA_REGION: Golfo de Cadiz.
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=2.5km az=10.0.
CNRM VIII 19 14 01 20.8 35.60N 3.53W 17 1.5L ¶626714510
ISC VIII 20 23 25 28.5–1.4 35.51N–.03 3.63W–.02 21–5 227 1-8
SFS VIII 20 23 25 28.9 35.52N 3.61W 7 3.8L,3.6L **¶620999174**
MDD VIII 20 23 25 29.1–.38 35.49N 3.63W 12–3 3.2,3.6L
IGIL VIII 20 23 25 29.5 35.49N 3.63W 12 3.2,3.6L
INMG VIII 20 23 25 29.4–1.8 35.51N 3.61W 14–5 2.7L,3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=1.5km az=163.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=146.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 21 01 21 49.4–1.1 35.55N–.03 3.59W–.03 24–12 72 0-5
CNRM VIII 21 01 21 47.7 35.60N 3.58W 17 2.5L **¶625197089**
INMG VIII 21 01 21 50.7–1.8 35.53N 3.57W 28–8 1.8L
MDD VIII 21 01 21 50.0–.44 35.48N 3.58W 29–6 2.3
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=157.0.
ISC VIII 20 04 07 51.7–1.0 35.53N–.02 3.57W–.02 14–8 120 0-5
CNRM VIII 20 04 07 49.5 35.70N 3.56W 15 2.5L **¶621022406**
INMG VIII 20 04 07 52.8–1.6 35.48N 3.62W 4–6 2.2L
SFS VIII 20 04 07 52.0 35.50N 3.68W 0 2.8L,2.7L
MDD VIII 20 04 07 53.5–.29 35.51N 3.59W 2 2.5,2.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=135.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=7.0.
ISC VIII 20 23 27 36.7–1.3 35.54N–.02 3.65W–.03 21–4 60 0-5
CNRM VIII 20 23 27 35.9 35.62N 3.56W 15 **¶622087432**
MDD VIII 20 23 27 36.4–.56 35.48N 3.71W 13–8 2.5
INMG VIII 20 23 27 37.0–1.7 35.49N 3.67W 15–9 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.1km s-min=3.3km az=165.0.
INMG Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=154.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 20 23 35 08.5–1.2 35.46N–.04 3.62W–.02 23–10 3.6b,3.1s 247 1-80
SFS VIII 20 23 35 08.3 35.50N 3.62W 7 4.2b,4.0L **¶620999175**
MDD VIII 20 23 35 09.0–.32 35.42N 3.63W 16–3 3.4,4.0L
IGIL VIII 20 23 35 09.3 35.42N 3.63W 16 3.0L,4.0L
INMG VIII 20 23 35 09.0–1.7 35.46N 3.63W 13–5 3.1L,4.0L
IDC VIII 20 23 35 10.1–1.9 35.68N 3.15W 0 3.5L,3.5b
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=1.5km az=161.0.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=144.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IDC Error ellipse: s-maj=47.0km s-min=15.1km az=74.0.
ISC VIII 21 08 51 08.7–.97 35.49N–.02 3.62W–.02 17–8 89 0-5
CNRM VIII 21 08 51 05.8 35.71N 3.48W 10 2.6L **¶622087435**
MDD VIII 21 08 51 08.6–.47 35.44N 3.66W 6–4 2.5
INMG VIII 21 08 51 09.1–1.7 35.47N 3.66W 7–6 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=153.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 22 04 16 49.4–1.3 35.46N–.03 3.64W–.04 18–5 51 0-5
CNRM VIII 22 04 16 47.7 35.65N 3.58W 8 2.3L **¶625044352**
INMG VIII 22 04 16 49.5–1.9 35.41N 3.66W 16–16 1.8L
MDD VIII 22 04 16 50.1–.81 35.42N 3.63W 25–15 2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=10.7km s-min=6.7km az=122.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=12.2km s-min=6.1km az=144.0.
ISC VIII 21 01 10 45.1–1.6 35.44N–.03 3.59W–.02 33–6 286 1-8
SFS VIII 21 01 10 45.9 35.47N 3.61W 17 3.6L,3.4 **¶620999179**
INMG VIII 21 01 10 46.6–1.3 35.45N 3.58W 28–5 2.8L,3.4
MDD VIII 21 01 10 46.3–.33 35.45N 3.60W 21–3 3.2,3.4
IGIL VIII 21 01 10 46.9 35.45N 3.60W 20 2.7L,3.4
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=156.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=159.0.
ISC VIII 21 20 40 10.6–1.1 35.49N–.02 3.64W–.02 15–9 115 0-5
CNRM VIII 21 20 40 10.3 35.55N 3.62W 18 2.4L **¶621022410**
SFS VIII 21 20 40 11.5 35.48N 3.65W 8 2.6L,2.5L
INMG VIII 21 20 40 12.2–1.9 35.48N 3.63W 12–9 2.0L,2.5L
MDD VIII 21 20 40 12.3–.58 35.46N 3.61W 12–5 2.5,2.5L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=123.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=169.0.
ISC VIII 24 08 53 24.0–1.2 35.48N–.02 3.65W–.02 2–10 90 0-5
CNRM VIII 24 08 53 23.1 35.65N 3.52W 10 3.1L **¶622087448**
MDD VIII 24 08 53 25.6–.33 35.45N 3.62W 0 2.8
INMG VIII 24 08 53 26.1–1.6 35.50N 3.56W 2 2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=3.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=69.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 22 06 17 02.7–1.0 35.45N–.02 3.60W–.02 24–11 104 0-6
CNRM VIII 22 06 17 02.2 35.48N 3.60W 26 2.5L **¶621012628**
INMG VIII 22 06 17 03.9–1.8 35.43N 3.53W 31–13 2.1L
SFS VIII 22 06 17 03.4 35.45N 3.62W 16 2.8L,2.7
MDD VIII 22 06 17 03.7–.53 35.40N 3.54W 28–10 2.5,2.7
IGIL VIII 22 06 17 04.1 35.40N 3.54W 28 2.5,2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=8.8km s-min=5.4km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=4.0km az=156.0.
ISC VIII 22 15 34 09.4–1.0 35.50N–.02 3.64W–.02 15–9 154 0-7
CNRM VIII 22 15 34 07.0 35.73N 3.59W 21 2.9L **¶621012629**
SFS VIII 22 15 34 09.4 35.47N 3.66W 4 3.0L,2.9L
IGIL VIII 22 15 34 10.0 35.47N 3.59W 8 3.0L,2.9L
INMG VIII 22 15 34 10.7–1.8 35.46N 3.62W 14–8 2.3L,2.9L
MDD VIII 22 15 34 10.6–.37 35.47N 3.59W 8–3 2.7,2.9L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=151.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=2.1km az=161.0.
ISC VIII 23 02 06 37.1–1.2 35.52N–.02 3.61W–.02 6–10 87 0-5
CNRM VIII 23 02 06 35.6 35.71N 3.55W 13 2.5L **¶621022414**
SFS VIII 23 02 06 38.1 35.48N 3.70W 0 2.7L,2.7L
INMG VIII 23 02 06 39.8–1.8 35.49N 3.67W 6–7 1.9L,2.7L
MDD VIII 23 02 06 39.3–.50 35.49N 3.66W 4–4 2.5,2.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=124.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=152.0.
ISC VIII 22 23 30 54.9–1.1 35.49N–.02 3.62W–.03 23–12 66 0-4
CNRM VIII 22 23 30 52.4 35.70N 3.62W 19 2.2L **¶621022413**
SFS VIII 22 23 30 55.2 35.45N 3.64W 15 2.7L,2.6
MDD VIII 22 23 30 56.7–.51 35.45N 3.54W 30 2.4,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.9km s-min=3.1km az=34.0.
ISC VIII 22 21 33 11.8–.96 35.49N–.02 3.62W–.02 27–10 111 0-5
CNRM VIII 22 21 33 10.5 35.59N 3.60W 28 2.3L **¶621022412**
SFS VIII 22 21 33 11.8 35.50N 3.64W 10 2.7L,2.6
INMG VIII 22 21 33 12.3–1.8 35.46N 3.59W 26–18 1.9L,2.6
MDD VIII 22 21 33 12.6–.51 35.49N 3.61W 16–5 2.5,2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=9.0km s-min=6.7km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=146.0.
ISC VIII 24 08 57 14.4–1.1 35.56N–.03 3.61W–.03 15–10 24 0-2
CNRM VIII 24 08 57 12.8 35.70N 3.57W 16 2.3L **¶625044469**
MDD VIII 24 08 57 16.4–.95 35.46N 3.62W 15–10 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=7.6km az=166.0.
ISC VIII 24 16 26 49.9–1.0 35.47N–.03 3.61W–.03 28–11 39 0-5
CNRM VIII 24 16 26 48.4 35.58N 3.61W 31 2.2L **¶622087451**
INMG VIII 24 16 26 50.5–1.6 35.44N 3.62W 17 1.8L
MDD VIII 24 16 26 50.3–.76 35.42N 3.62W 30–17 2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=3.7km az=32.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=11.4km s-min=6.0km az=145.0.
ISC VIII 24 13 26 03.6–1.1 35.50N–.02 3.62W–.03 22–5 47 0-5
CNRM VIII 24 13 26 00.9 35.68N 3.61W 13 2.6L **¶622087449**
INMG VIII 24 13 26 04.0–1.5 35.43N 3.66W 4 2.0L
MDD VIII 24 13 26 04.4–.64 35.42N 3.65W 18–8 2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=37.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=4.5km az=160.0.
ISC VIII 26 06 31 57.7–1.1 35.58N–.02 3.68W–.03 11–10 38 0-3
CNRM VIII 26 06 31 56.2 35.72N 3.67W 10 2.8L **¶625044632**
MDD VIII 26 06 31 58.0–.42 35.53N 3.69W 0 2.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=45.0.
ISC VIII 25 07 11 48.6–1.3 35.46N–.02 3.62W–.02 18–3 95 0-5
MDD VIII 25 07 11 49.0–.32 35.51N 3.62W 0 2.5 **¶622087454**
CNRM VIII 25 07 11 49.1 35.44N 3.62W 29 2.4L
INMG VIII 25 07 11 51.8–1.5 35.51N 3.76W 18–8 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=2.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=113.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 25 07 35 02.7–1.1 35.53N–.03 3.63W–.04 12–10 24 0-3
CNRM VIII 25 07 35 02.2 35.61N 3.54W 7 2.5L **¶625044529**
MDD VIII 25 07 35 02.5–.60 35.50N 3.70W 1–3 2.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=54.0.
CNRM VIII 25 07 35 39.5 35.63N 3.59W 6 2.1L
MDD VIII 25 07 35 40.5–.52 35.49N 3.69W 0 2.2 **¶625044532**
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=54.0.
ISC VIII 25 18 32 36.1–1.1 35.58N–.03 3.60W–.03 10–10 23 0-3
CNRM VIII 25 18 32 35.8 35.60N 3.54W 10 1.7L **¶625044575**
MDD VIII 25 18 32 36.4–.70 35.56N 3.67W 0 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=3.6km az=39.0.
ISC VIII 26 15 39 42.1–1.0 35.47N–.03 3.56W–.03 27–10 50 0-6
CNRM VIII 26 15 39 40.5 35.61N 3.64W 21 2.5L **¶622087459**
INMG VIII 26 15 39 43.9–1.5 35.50N 3.46W 32 2.1L
MDD VIII 26 15 39 44.4–.65 35.47N 3.44W 30 2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=60.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=3.0km az=51.0.
ISC VIII 27 20 40 01.6–.91 35.45N–.02 3.57W–.03 32–9 115 0-6
SFS VIII 27 20 40 01.1 35.50N 3.68W 3 2.8L,2.6 **¶621022419**
CNRM VIII 27 20 40 01.7 35.40N 3.54W 34 2.5L,2.6
MDD VIII 27 20 40 02.6–.40 35.46N 3.57W 26–5 2.6,2.6
INMG VIII 27 20 40 03.1–1.5 35.52N 3.55W 26–7 2.1L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=157.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=133.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 27 09 03 09.3–1.1 35.53N–.02 3.61W–.02 9–9 95 0-5
CNRM VIII 27 09 03 06.0 35.83N 3.56W 12 2.7L **¶621022418**
SFS VIII 27 09 03 09.7 35.51N 3.69W 0 2.7L,2.6L
MDD VIII 27 09 03 09.9–.36 35.51N 3.63W 0 2.5,2.6L
INMG VIII 27 09 03 11.1–1.9 35.53N 3.57W 18–7 2.0L,2.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=13.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=4.2km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.

ISC VIII 26 14 32 27.6–1.1 35.50N–.04 3.62W–.04 26–12 17 0-1
CNRM VIII 26 14 32 24.7 35.68N 3.60W 15 2.1L ¶622087458
MDD VIII 26 14 32 28.4–.82 35.44N 3.57W 30 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.2km s-min=3.8km az=41.0.
ISC VIII 28 11 20 50.3–.23 35.47N–.02 3.62W–.02 14 5.1b,4.7s 1082 0-151
BGR VIII 28 11 20 37.0–2.5 33.89N 3.54W 10 5.0b,4.4s ¶621009799
MOS VIII 28 11 20 47.9–1.1 35.49N 3.59W 8 5.1b,4.8s
CNRM VIII 28 11 20 48.4 35.59N 3.69W 9 5.5L,4.8s
IDC VIII 28 11 20 48.9–.38 35.52N 3.58W 0 4.7s,4.6b
NEIC VIII 28 11 20 50.0–.91 35.49N–.05 3.54W–.07 10–1 5.3,5.1b
IGIL VIII 28 11 20 49.4 35.44N 3.62W 0 4.4L,5.1b
SFS VIII 28 11 20 50.2 35.47N 3.63W 2 5.6b,5.3b
GFZ VIII 28 11 20 50.8–.25 35N–3.0 4W–2.0 10 5.0b,4.7b
INMG VIII 28 11 20 50.3–2.0 35.44N 3.66W 8–6 4.5L,4.7b
MDD VIII 28 11 20 50.1–.24 35.46N 3.62W 0 4.9,4.7b
MED_R VIII 28 11 20 50.0 35.46N 3.64W 15 5.2W,4.7b
LDG VIII 28 11 20 51.7–.30 35.38N 3.69W 10 4.5L,4.7b
GFZ VIII 28 11 20 51.3 35.49N 3.63W 13 5.2W,4.7b
NAO VIII 28 11 20 52.6 35.51N 3.57W 33 4.8b,4.7b
GCMT VIII 28 11 20 54.0–.10 35.45N–.01 3.50W–.01 12 5.3W,4.7b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
INMG Event type ke. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-1.65±.24 $M_{\theta\theta}$-3.14±.17; $M_{\phi\phi}$0.00±.18; $M_{r\theta}$2.00±.41; $M_{\theta\phi}$-7.42±.21; $M_{\phi r}$1.91±.36; NP1: ϕ_s286.00000°,δ73.00000°,λ-167.00000°. NP2:ϕ_s192.00000°,δ78.00000°,λ-18.00000°. Principal axes: T 9.2700,Plg3.0000°,Azm240.0000°; N -0.6400,Plg69.0000°,Azm338.0000°; P -8.6300,Plg21.0000°,Azm148.0000° $M_0$8.95000×10^{16}
LDG Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.26 $M_{\theta\theta}$-2.82 $M_{\phi\phi}$2.56 $M_{r\theta}$0.31 $M_{\theta\phi}$-6.66 $M_{\phi r}$-1.64 NP1: ϕ_s100.46600°,δ77.80517°,λ174.92656°. NP2:ϕ_s191.54038°,δ85.04133°,λ12.24135°. Principal axes: T 7.3808,Plg12.1509°,Azm56.5599°; N -0.0145,Plg76.8067°,Azm213.2625°; P -7.3663,Plg5.0627°,Azm325.4670° $M_0$7.37356×10^{16}
NAO Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108281120A. Moment Tensor Solution. s101,c164; s140,c281;Duration: 1ș1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15±.01 $M_{\theta\theta}$-0.35±.01; $M_{\phi\phi}$0.50±.01; $M_{r\theta}$0.38±.04; $M_{\theta\phi}$-0.83±.01; $M_{\phi r}$-0.54±.03; Best double couple: NP1: ϕ_s197.00000°,δ69.00000°,λ14.00000°. NP2:ϕ_s102.00000°,δ77.00000°,λ158.00000°. Principal axes: T 1.3050,Plg24.0000°,Azm58.0000°; N -0.4430,Plg65.0000°,Azm252.0000°; P -0.8620,Plg5.0000°,Azm151.0000° $M_0$1.08300×10^{17}
ISC VIII 28 11 24 10.8–1.2 35.49N–.04 3.61W–.04 17–7 24 0-2
CNRM VIII 28 11 24 10.1 35.56N 3.56W 15 3.3L ¶625044740
MDD VIII 28 11 24 11.5–.74 35.46N 3.62W 14–7 3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=117.0.
ISC VIII 28 11 27 33.5–1.2 35.45N–.03 3.69W–.03 9–10 106 1-7
INMG VIII 28 11 27 34.9–1.5 35.45N 3.69W 1–6 2.4L ¶621009800
MDD VIII 28 11 27 34.3–.49 35.38N 3.66W 0 3.1
SFS VIII 28 11 27 35.0 35.45N 3.65W 8 3.4L,3.3L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=9.0.
CNRM VIII 28 11 28 15.3 35.48N 3.57W 0 ¶626680297
CNRM VIII 28 11 29 04.0 35.48N 3.56W 0 2.7L ¶626680298
ISC VIII 28 11 29 59.5–1.4 35.40N–.03 3.64W–.02 11–10 162 1-8
MDD VIII 28 11 30 01.8–.48 35.38N 3.66W 5–5 3.3 ¶621009801
INMG VIII 28 11 30 02.3–1.6 35.42N 3.65W 7–6 2.7L
IGIL VIII 28 11 30 02.2 35.38N 3.66W 5 2.6L
SFS VIII 28 11 30 03.2 35.43N 3.61W 18 3.6L,3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=2.4km az=169.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=128.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 28 11 31 27.7–1.7 35.60N–.03 3.66W–.05 9–14 19 0-2
MDD VIII 28 11 31 26.5–.92 35.47N 3.84W 0 2.6 ¶625044742
CNRM VIII 28 11 31 30.8 35.49N 3.54W 0 2.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.2km s-min=3.7km az=36.0.
ISC VIII 28 11 32 32.5–1.3 35.54N–.04 3.66W–.04 10–12 30 0-3
MDD VIII 28 11 32 33.0–.69 35.48N 3.65W 9–6 2.5 ¶625044743
CNRM VIII 28 11 32 34.1 35.49N 3.59W 14 2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=4.1km az=126.0.
ISC VIII 28 11 33 33.8–1.1 35.48N–.04 3.61W–.04 17–10 21 0-2
CNRM VIII 28 11 33 32.8 35.56N 3.59W 14 2.5L ¶625044746
MDD VIII 28 11 33 34.7–.78 35.45N 3.60W 16–9 2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=5.8km az=147.0.
ISC VIII 28 11 39 21.1–1.2 35.54N–.03 3.61W–.03 5–11 52 0-5
CNRM VIII 28 11 39 20.9 35.58N 3.54W 15 2.7L ¶625044750
MDD VIII 28 11 39 21.7–.53 35.48N 3.62W 2–4 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=157.0.
ISC VIII 28 11 40 18.7–1.1 35.48N–.03 3.61W–.04 8–10 22 0-2
CNRM VIII 28 11 40 17.1 35.63N 3.59W 8 2.7L ¶625044753
MDD VIII 28 11 40 19.8–.90 35.46N 3.56W 0 2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=3.6km az=43.0.
ISC VIII 28 11 41 35.5–1.2 35.56N–.03 3.63W–.03 16–10 24 0-2
CNRM VIII 28 11 41 33.4 35.71N 3.60W 17 2.5L ¶625044754
MDD VIII 28 11 41 36.5–.93 35.46N 3.67W 10–8 2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.4km s-min=6.8km az=176.0.
ISC VIII 28 12 09 42.6–1.2 35.53N–.02 3.66W–.02 4–8 3.8b,3.2s 165 1-81
IDC VIII 28 12 09 42.9–.68 35.48N 3.36W 0 3.6b,3.5 ¶621009804
MDD VIII 28 12 09 43.3–.51 35.46N 3.62W 5–4 3.6,3.5
IGIL VIII 28 12 09 43.1 35.46N 3.62W 5 3.5L,3.5
SFS VIII 28 12 09 43.8 35.48N 3.59W 8 4.4b,4.0L
INMG VIII 28 12 09 44.4–1.7 35.47N 3.58W 22–9 3.2L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=8.7km az=102.0.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=164.0.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=101.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 28 12 58 57.0–1.1 35.48N–.05 3.62W–.03 23–13 68 0-5
CNRM VIII 28 12 58 57.2 35.46N 3.61W 16 2.5L ¶625044786
MDD VIII 28 12 58 57.6–.39 35.37N 3.61W 26–5 2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.1km az=159.0.
ISC VIII 28 12 27 45.8–1.1 35.57N–.02 3.64W–.03 14–9 56 0-4
CNRM VIII 28 12 27 43.9 35.70N 3.57W 12 2.4L ¶625044770
MDD VIII 28 12 27 46.6–.47 35.41N 3.62W 24–7 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=2.8km az=162.0.
ISC VIII 28 13 06 19.2–1.2 35.55N–.04 3.65W–.04 16–11 30 0-4
CNRM VIII 28 13 06 17.1 35.73N 3.68W 16 2.5L ¶625044790
MDD VIII 28 13 06 20.7–.65 35.49N 3.58W 25–10 2.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.1km s-min=5.7km az=154.0.

ISC VIII 28 13 07 35.6–1.1 35.51N–.02 3.64W–.03 13–10 105 0-5
CNRM VIII 28 13 07 33.7 35.66N 3.59W 5 2.5L ¶621012646
SFS VIII 28 13 07 36.0 35.45N 3.67W 1 2.8L,2.7
INMG VIII 28 13 07 36.2–1.5 35.54N 3.62W 0–5 2.1L,2.7
MDD VIII 28 13 07 36.6–.44 35.42N 3.63W 18–4 2.5,2.7
IGIL VIII 28 13 07 38.0 35.42N 3.63W 18 2.5,2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=69.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=156.0.
ISC VIII 28 14 50 15.0–1.1 35.51N–.02 3.56W–.03 16–9 51 0-4
CNRM VIII 28 14 50 14.9 35.54N 3.53W 13 2.5L ¶625044813
MDD VIII 28 14 50 16.3–.45 35.44N 3.57W 19–5 2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=142.0.
CNRM VIII 28 19 53 21.0 35.61N 3.59W 15 1.7L ¶626714502
ISC VIII 28 15 22 10.5–1.2 35.47N–.03 3.71W–.04 16–10 42 0-4
CNRM VIII 28 15 22 08.7 35.68N 3.65W 18 2.7L ¶625044821
MDD VIII 28 15 22 12.0–.54 35.43N 3.65W 19–7 2.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=3.7km az=160.0.
ISC VIII 28 13 24 26.5–1.2 35.54N–.03 3.64W–.03 16–10 53 0-5
CNRM VIII 28 13 24 26.1 35.60N 3.57W 16 2.4L ¶625044793
MDD VIII 28 13 24 27.5–.47 35.41N 3.64W 23–8 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=2.9km az=160.0.
ISC VIII 28 13 44 03.3–1.0 35.47N–.04 3.62W–.03 26–11 76 0-5
CNRM VIII 28 13 44 02.1 35.60N 3.61W 10 2.5L ¶622087472
INMG VIII 28 13 44 03.6–1.3 35.37N 3.58W 31–9 2.1L
MDD VIII 28 13 44 03.5–.44 35.39N 3.60W 25–8 2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=4.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=8.2km s-min=2.7km az=159.0.
ISC VIII 28 17 11 22.7–.99 35.46N–.03 3.59W–.02 26–11 145 0-7
CNRM VIII 28 17 11 20.1 35.64N 3.61W 19 3.0L ¶621022421
INMG VIII 28 17 11 23.6–1.7 35.47N 3.59W 17–6 2.3L
MDD VIII 28 17 11 23.4–.41 35.43N 3.60W 18–4 2.8
SFS VIII 28 17 11 23.3 35.45N 3.58W 19 3.0L,2.9
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=134.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.2km az=161.0.
ISC VIII 28 17 18 42.7–1.0 35.49N–.03 3.63W–.03 17–8 79 0-6
CNRM VIII 28 17 18 40.7 35.63N 3.63W 17 2.3L ¶625044844
INMG VIII 28 17 18 43.6–1.6 35.45N 3.59W 14–8 1.9L
MDD VIII 28 17 18 43.4–.44 35.40N 3.59W 19–6 2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=146.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=2.6km az=162.0.
MDD VIII 28 19 53 34.7–.51 36.89N 3.97W 34–2 1.3 ¶625044871
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=158.0.
ISC VIII 28 14 11 22.4–1.1 35.71N–.02 3.54W–.03 12–10 40 0-5
CNRM VIII 28 14 11 21.6 35.75N 3.60W 10 2.4L ¶625044801
MDD VIII 28 14 11 32.7–.44 35.41N 3.61W 26–5 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=157.0.
ISC VIII 29 04 05 55.9–1.1 35.53N–.02 3.59W–.02 17–9 209 0-8
CNRM VIII 29 04 05 53.4 35.69N 3.53W 7 3.0L ¶621012650
MDD VIII 29 04 05 56.1–.35 35.49N 3.63W 4–2 2.8
IGIL VIII 29 04 05 56.6 35.49N 3.62W 4 2.0L
SFS VIII 29 04 05 56.2 35.45N 3.60W 10 3.4L,3.3L
INMG VIII 29 04 05 57.0–1.7 35.48N 3.72W 6–5 2.4L,3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=167.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=108.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 28 19 05 58.7–1.1 35.53N–.02 3.63W–.02 23–12 96 0-5
CNRM VIII 28 19 05 57.8 35.60N 3.58W 24 2.5L ¶625044862
MDD VIII 28 19 05 59.4–.47 35.49N 3.64W 19–5 2.5
SFS VIII 28 19 05 59.1 35.50N 3.66W 12 2.7L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=2.5km az=161.0.
ISC VIII 28 16 38 16.2–.91 35.49N–.02 3.65W–.02 20–11 92 0-5
CNRM VIII 28 16 38 12.8 35.73N 3.56W 11 2.3L ¶621022420
INMG VIII 28 16 38 16.3–1.1 35.43N 3.65W 13–7 1.8L
MDD VIII 28 16 38 16.3–.67 35.43N 3.66W 12–8 2.4
SFS VIII 28 16 38 16.9 35.50N 3.65W 10 2.6L,2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=142.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=2.8km az=175.0.
ISC VIII 29 04 21 56.6–1.0 35.48N–.02 3.63W–.02 17–9 193 0-7
CNRM VIII 29 04 21 54.6 35.64N 3.63W 12 2.9L ¶621009926
INMG VIII 29 04 21 57.5–1.6 35.46N 3.69W 6–5 2.2L
MDD VIII 29 04 21 57.1–.29 35.44N 3.64W 6 2.9
IGIL VIII 29 04 21 57.5 35.44N 3.64W 6 1.7L
SFS VIII 29 04 21 57.4 35.44N 3.61W 14 3.4L,3.2L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=173.0.
ISC VIII 28 23 09 43.7–1.3 35.54N–.02 3.60W–.02 11–10 114 0-5
CNRM VIII 28 23 09 43.7 35.65N 3.50W 22 2.3L ¶621022423
INMG VIII 28 23 09 44.9–1.6 35.47N 3.61W 8–6 1.8L
MDD VIII 28 23 09 44.2–.32 35.50N 3.66W 0 2.3
SFS VIII 28 23 09 44.8 35.47N 3.60W 13 2.6L,2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=125.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=6.0.
ISC VIII 29 09 30 20.1–.95 35.45N–.02 3.65W–.02 17–8 182 0-7
CNRM VIII 29 09 30 19.8 35.51N 3.66W 26 3.1L ¶621009934
IGIL VIII 29 09 30 20.2 35.42N 3.63W 0 2.7L
MDD VIII 29 09 30 20.2–.33 35.42N 3.63W 0 3.2
INMG VIII 29 09 30 20.7–1.9 35.39N 3.64W 10–7 2.8L
SFS VIII 29 09 30 21.1 35.47N 3.61W 8 3.6L,3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=0.0.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=3.4km az=153.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM VIII 29 07 37 34.6 35.63N 3.60W 0 1.5L ¶626714500
ISC VIII 29 08 24 26.9–.98 35.42N–.02 3.61W–.03 26–10 72 0-6
CNRM VIII 29 08 24 26.9 35.42N 3.62W 27 2.5L ¶622087479
INMG VIII 29 08 24 26.7–1.6 35.41N 3.65W 7–9 2.1L
MDD VIII 29 08 24 27.6–.48 35.41N 3.59W 16–5 2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=138.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=156.0.
ISC VIII 29 21 52 32.0–1.6 35.47N–.02 3.60W–.02 19–4 205 1-7
IGIL VIII 29 21 52 31.7 35.50N 3.61W 0 2.2L ¶621010105
SFS VIII 29 21 52 31.6 35.48N 3.64W 7 3.3L,3.2
MDD VIII 29 21 52 31.8–.40 35.50N 3.61W 0–3 3.0,3.2
INMG VIII 29 21 52 32.5–1.5 35.42N 3.59W 18–7 2.6L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=157.0.

INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=154.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 29 13 34 19.5–1.1 35.55N–.02 3.66W–.03 14–9 86 0-5
CNRM VIII 29 13 34 18.6 35.65N 3.59W 18 2.1L **¶625197254**
SFS VIII 29 13 34 19.5 35.49N 3.72W 0 2.6L,2.6L
INMG VIII 29 13 34 20.1–1.5 35.56N 3.68W 7–8 1.9L,2.6L
MDD VIII 29 13 34 20.6–.50 35.44N 3.64W 22–8 2.3,2.6L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=7.7km s-min=3.1km az=161.0.
ISC VIII 29 20 08 46.6–1.3 35.53N–.03 3.62W–.03 21–4 60 0-5
CNRM VIII 29 20 08 45.6 35.60N 3.63W 22 2.5L **¶622087487**
MDD VIII 29 20 08 47.2–.51 35.42N 3.63W 25–8 2.4
INMG VIII 29 20 08 47.4–1.3 35.44N 3.60W 22–7 1.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.1km s-min=3.3km az=163.0.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=138.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 29 15 41 32.0–1.1 35.54N–.02 3.64W–.02 22–5 87 0-5
CNRM VIII 29 15 41 28.7 35.73N 3.62W 10 2.4L **¶621022426**
SFS VIII 29 15 41 32.0 35.50N 3.65W 8 2.6L,2.5
MDD VIII 29 15 41 32.3–.40 35.41N 3.63W 37–10 2.4,2.5
INMG VIII 29 15 41 32.1–1.5 35.47N 3.67W 23–7 1.8L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=152.0.
INMG Event type ke. Error ellipse: s-maj=7.4km s-min=3.8km az=147.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 30 05 01 33.7–1.0 35.45N–.02 3.65W–.02 14–9 103 0-6
CNRM VIII 30 05 01 33.6 35.50N 3.64W 16 2.5L **¶621022433**
MDD VIII 30 05 01 34.6–.47 35.44N 3.64W 6–4 2.4
SFS VIII 30 05 01 34.5 35.42N 3.63W 12 2.7L,2.7L
INMG VIII 30 05 01 35.0–1.7 35.49N 3.61W 4–8 1.8L,2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=148.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 30 08 20 22.9–1.1 35.52N–.02 3.70W–.02 10–10 102 0-5
CNRM VIII 30 08 20 22.9 35.61N 3.61W 24 2.9L **¶621022434**
MDD VIII 30 08 20 23.2–.51 35.48N 3.71W 2–4 2.6
INMG VIII 30 08 20 23.5–1.6 35.46N 3.69W 7–8 2.0L
SFS VIII 30 08 20 23.1 35.50N 3.72W 0 2.8L,2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=159.0.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=148.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 30 19 25 40.4–.98 35.52N–.02 3.62W–.02 15–8 107 0-5
CNRM VIII 30 19 25 38.5 35.69N 3.54W 17 2.6L **¶621022435**
SFS VIII 30 19 25 40.7 35.48N 3.64W 10 2.7L,2.6
MDD VIII 30 19 25 40.5–.53 35.47N 3.63W 2–4 2.5,2.6
INMG VIII 30 19 25 41.2–1.7 35.45N 3.62W 14–10 1.9L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=162.0.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=146.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 30 01 52 17.8–.99 35.50N–.02 3.63W–.02 16–9 59 0-4
SFS VIII 30 01 52 18.5 35.47N 3.66W 8 2.5L,2.5 **¶621022428**
MDD VIII 30 01 52 19.5–.40 35.46N 3.58W 12 2.2,2.5
CNRM VIII 30 01 52 19.2 35.52N 3.52W 12 2.0L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=37.0.
ISC VIII 30 06 02 31.1–.93 35.45N–.02 3.61W–.02 29–9 131 0-7
SFS VIII 30 06 02 30.9 35.45N 3.65W 11 3.3L,3.1L **¶621012657**
INMG VIII 30 06 02 31.7–1.8 35.46N 3.63W 16–7 2.1L,3.1L
MDD VIII 30 06 02 31.4–.43 35.43N 3.63W 12–4 2.7,3.1L
CNRM VIII 30 06 02 31.3 35.44N 3.61W 27 2.4L,3.1L
IGIL VIII 30 06 02 32.3 35.43N 3.63W 12 2.4L,3.1L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=155.0.
ISC VIII 31 01 36 35.6–.89 35.52N–.02 3.65W–.02 22–7 104 0-5
CNRM VIII 31 01 36 32.6 35.69N 3.63W 9 2.5L **¶621022439**
SFS VIII 31 01 36 34.9 35.49N 3.71W 8 2.5L,2.4
MDD VIII 31 01 36 36.2–.47 35.47N 3.64W 21–5 2.2,2.4
INMG VIII 31 01 36 36.1–1.5 35.49N 3.65W 14–8 1.8L,2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=152.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=116.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 30 18 28 33.8–1.2 35.54N–.03 3.64W–.03 6–10 51 0-5
CNRM VIII 30 18 28 31.9 35.71N 3.55W 10 2.5L **¶622087497**
MDD VIII 30 18 28 33.8–.74 35.47N 3.69W 2–6 2.5
INMG VIII 30 18 28 34.6–1.7 35.44N 3.62W 9–10 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=130.0.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=125.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 31 09 02 18.0–1.1 35.52N–.02 3.72W–.02 9–10 63 0-5
CNRM VIII 31 09 02 16.1 35.68N 3.65W 17 2.9L **¶622087500**
INMG VIII 31 09 02 19.1–1.3 35.50N 3.73W 4 1.9L
MDD VIII 31 09 02 19.1–.57 35.49N 3.70W 4–5 2.4
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=161.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=140.0.
ISC VIII 30 23 59 38.4–1.0 35.49N–.02 3.61W–.02 25–11 156 0-7
CNRM VIII 30 23 59 37.5 35.57N 3.64W 20 2.9L **¶621022436**
SFS VIII 30 23 59 38.4 35.45N 3.64W 10 3.5L,2.8L
INMG VIII 30 23 59 39.9–1.6 35.48N 3.59W 26–7 2.1L,2.8L
MDD VIII 30 23 59 39.6–.38 35.48N 3.59W 22–4 2.6,2.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=138.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=158.0.
ISC VIII 31 00 25 19.5–1.1 35.54N–.02 3.61W–.02 22–5 156 0-7
SFS VIII 31 00 25 19.7 35.47N 3.66W 14 3.3L,3.1L **¶621012678**
CNRM VIII 31 00 25 19.3 35.54N 3.59W 13 3.1L,3.1L
MDD VIII 31 00 25 20.7–.38 35.51N 3.61W 24–4 2.6,3.1L
INMG VIII 31 00 25 21.1–1.4 35.52N 3.58W 29–6 2.3L,3.1L
IGIL VIII 31 00 25 22.1 35.51N 3.61W 24 2.3L,3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=164.0.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=143.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC VIII 31 00 27 43.0–1.1 35.52N–.03 3.64W–.02 20–6 79 0-5
CNRM VIII 31 00 27 42.8 35.57N 3.58W 14 2.2L **¶621022437**
MDD VIII 31 00 27 43.8–.46 35.43N 3.64W 24–5 2.3
SFS VIII 31 00 27 43.8 35.53N 3.63W 10 2.5L,2.4L
INMG VIII 31 00 27 44.3–1.5 35.51N 3.62W 21–5 1.8L,2.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=155.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC IX 01 08 48 33.8–1.2 35.55N–.02 3.65W–.02 6–10 48 0-5
CNRM IX 01 08 48 32.2 35.72N 3.59W 4 2.7L **¶621883297**
MDD IX 01 08 48 34.5–.70 35.46N 3.66W 8–8 2.4
INMG IX 01 08 48 36.5–1.9 35.47N 3.55W 21–12 1.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=3.6km az=161.0.

INMG Event type ke. Error ellipse: s-maj=9.2km s-min=6.3km az=127.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC VIII 31 08 08 15.8–1.3 35.48N–.02 3.62W–.03 19–3 47 0-5
CNRM VIII 31 08 08 15.3 35.51N 3.58W 23 2.7L **¶625045185**
MDD VIII 31 08 08 16.1–.54 35.46N 3.61W 7–5 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=132.0.
ISC VIII 31 17 31 12.4–1.1 35.58N–.02 3.59W–.03 12–10 26 0-3
CNRM VIII 31 17 31 08.9 35.79N 3.53W 13 2.7L **¶625045208**
MDD VIII 31 17 31 13.2–.85 35.46N 3.63W 8 2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.1km s-min=3.6km az=38.0.
ISC IX 01 12 10 49.2–1.1 35.51N–.02 3.62W–.02 29–11 182 1-7
MDD IX 01 12 10 48.9–.43 35.50N 3.65W 10–4 3.3 **¶621013619**
INMG IX 01 12 10 49.9–1.6 35.51N 3.65W 15–6 2.9L
SFS IX 01 12 10 49.5 35.48N 3.63W 15 3.7L,3.6L
CNRM IX 01 12 10 49.2 35.51N 3.63W 28 3.6L,3.6L
IGIL IX 01 12 10 49.9 35.50N 3.65W 10 2.8L,3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=1.9km az=166.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=124.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC IX 01 08 02 58.2–1.1 35.52N–.03 3.61W–.03 16–9 48 0-5
CNRM IX 01 08 02 55.9 35.66N 3.62W 7 2.6L **¶621883296**
MDD IX 01 08 02 58.8–.60 35.48N 3.61W 14–8 2.3
INMG IX 01 08 02 59.9–1.5 35.49N 3.51W 31–24 1.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=143.0.
INMG Event type ke. Error ellipse: s-maj=16.8km s-min=5.5km az=163.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 01 12 18 33.2–1.2 35.53N–.03 3.71W–.03 9–10 36 0-5
CNRM IX 01 12 18 31.6 35.70N 3.70W 8 2.5L **¶625045268**
MDD IX 01 12 18 33.9–.69 35.49N 3.72W 3–5 2.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=127.0.
ISC IX 01 12 43 57.2–1.1 35.48N–.02 3.61W–.02 22–4 144 0-7
CNRM IX 01 12 43 55.7 35.59N 3.59W 14 3.4L **¶621013620**
SFS IX 01 12 43 56.9 35.45N 3.65W 5 3.6L,3.4L
INMG IX 01 12 43 57.5–1.6 35.41N 3.63W 12–9 2.5L,3.4L
MDD IX 01 12 43 57.9–.46 35.41N 3.60W 17–6 3.0,3.4L
IGIL IX 01 12 43 58.2 35.41N 3.60W 17 3.0,3.4L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=127.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=6.7km s-min=2.8km az=163.0.
ISC IX 01 12 51 59.8–.94 35.47N–.02 3.60W–.02 16–7 3.9b,3.4s 334 0-82
IDC IX 01 12 51 57.8–.72 35.55N 3.66W 0 4.0b,3.9 **¶621118392**
IGIL IX 01 12 51 59.3 35.44N 3.65W 0 3.3L,3.9
CNRM IX 01 12 51 59.2 35.48N 3.59W 15 4.3L,3.9
NEIC IX 01 12 51 59.3–1.1 35.45N–.06 3.69W–.08 10–2 4.0b,3.9
SFS IX 01 12 51 59.8 35.49N 3.60W 7 4.5b,4.3L
INMG IX 01 12 51 59.3–1.7 35.45N 3.64W 7–6 3.5L,4.3L
MDD IX 01 12 51 59.0–.34 35.44N 3.65W 4–3 3.9,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=9.2km az=102.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=10.1km az=310.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=146.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=160.0.
ISC IX 01 13 04 17.5–1.1 35.49N–.03 3.65W–.03 13–9 65 0-5
CNRM IX 01 13 04 16.0 35.65N 3.63W 8 2.5L **¶621883299**
MDD IX 01 13 04 17.4–.51 35.40N 3.68W 4–5 2.5
INMG IX 01 13 04 18.2–1.1 35.40N 3.63W 15–6 1.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.8km s-min=3.1km az=168.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=128.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 01 18 54 46.1–1.1 35.43N–.03 3.65W–.02 16–9 176 1-8
MDD IX 01 18 54 47.0–.39 35.42N 3.65W 6–4 3.2 **¶621014006**
IGIL IX 01 18 54 46.9 35.42N 3.65W 0 2.6L
SFS IX 01 18 54 47.0 35.43N 3.63W 9 3.5L,3.4L
INMG IX 01 18 54 48.0–1.7 35.41N 3.59W 25–12 2.7L,3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.0km az=163.0.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=147.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 01 10 54 22.1–1.5 36.75N–.06 7.40W–.03 32–11 50 0-3
MDD IX 01 10 54 23.8–.88 36.80N 7.40W 29–8 2.5 **¶621115922**
IGIL IX 01 10 54 23.7 36.74N 7.46W 24 1.8L
INMG IX 01 10 54 24.0–1.6 36.75N 7.46W 25–4 1.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=3.1km az=16.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=22.0. #DIST_RANGE: LOCAL #IPMA_REGION: Golfo de Cadiz.
ISC IX 02 06 07 12.9–1.2 35.65N–.03 5.13W–.03 35 48 0-5
MDD IX 02 06 07 14.2–1.1 35.75N 5.19W 20–9 2.0 **¶621883305**
CNRM IX 02 06 07 14.1 35.48N 5.36W 61 2.7L
INMG IX 02 06 07 14.7–1.5 35.77N 5.18W 22–9 1.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=3.9km az=4.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=30.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Tetuan.
ISC IX 01 16 44 16.2–1.5 35.45N–.02 3.60W–.02 18–8 67 0-6
CNRM IX 01 16 44 14.7 35.65N 3.59W 14 2.5L **¶621883300**
INMG IX 01 16 44 18.0–1.4 35.42N 3.57W 26–10 2.1L
MDD IX 01 16 44 18.3–.45 35.46N 3.59W 22–5 2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=137.0.
ISC IX 02 23 04 13.7–1.2 35.52N–.04 3.62W–.04 16–10 21 0-4
CNRM IX 02 23 04 13.3 35.57N 3.54W 8 2.5L **¶621024218**
MDD IX 02 23 04 14.5–.91 35.47N 3.66W 19–10 2.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.7km s-min=7.5km az=168.0.
ISC IX 02 11 06 30.0–1.2 35.55N–.02 3.62W–.03 20–8 48 0-5
CNRM IX 02 11 06 28.4 35.66N 3.63W 17 2.7L **¶621883307**
MDD IX 02 11 06 31.9–.79 35.46N 3.62W 24–10 2.6
INMG IX 02 11 06 31.2–1.7 35.52N 3.63W 16–10 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.4km s-min=6.5km az=176.0.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=116.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC IX 02 18 17 34.6–1.1 35.49N–.02 3.66W–.02 18–5 216 0-63
IDC IX 02 18 17 32.4–1.8 35.45N 3.59W 0 3.4b,3.3 **¶621023705**
CNRM IX 02 18 17 33.2 35.60N 3.63W 17 3.4L,3.3
MDD IX 02 18 17 34.9–.35 35.46N 3.67W 8–3 3.3,3.3
SFS IX 02 18 17 35.0 35.49N 3.65W 8 3.7L,3.6L
INMG IX 02 18 17 35.3–1.6 35.44N 3.65W 16–7 2.8L,3.6L
IGIL IX 02 18 17 35.1 35.46N 3.67W 8 2.8L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=15.6km az=78.0.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=155.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=2.6km az=156.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 02 23 04 42.0–.94 35.48N–.02 3.66W–.02 28–9 214 0-8
CNRM IX 02 23 04 40.8 35.59N 3.67W 20 3.0L **¶625045364**
SFS IX 02 23 04 41.9 35.50N 3.66W 7 3.6L,3.5L
MDD IX 02 23 04 41.9–.44 35.45N 3.66W 10–3 3.2,3.5L

INMG IX 02 23 04 42.8–1.6 35.38N 3.64W 31–14 2.8L,3.5L
IGIL IX 02 23 04 42.3 35.45N 3.66W 10 2.7L,3.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=167.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=173.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 03 00 27 30.2–1.0 35.20N–.05 3.55W–.03 15–9 37 0-6
CNRM IX 03 00 27 25.7 35.62N 3.54W 14 2.6L **¶621115926**
MDD IX 03 00 27 36.2–.76 35.45N 3.56W 16–9 2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=5.7km az=123.0.
ISC IX 02 21 43 34.4–1.3 35.49N–.03 3.67W–.03 13–11 55 0-5
CNRM IX 02 21 43 32.0 35.73N 3.61W 14 2.5L **¶621883311**
MDD IX 02 21 43 34.7–.63 35.46N 3.66W 4–5 2.2
INMG IX 02 21 43 35.2–1.7 35.47N 3.65W 9–7 1.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=139.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=116.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 03 00 28 02.7–1.1 35.51N–.04 3.61W–.04 18–8 46 0-6
CNRM IX 03 00 28 02.1 35.58N 3.58W 10 2.9L **¶621883316**
MDD IX 03 00 28 04.0–.65 35.45N 3.54W 17–6 2.7
IGIL IX 03 00 28 03.1 35.45N 3.54W 17 2.7
INMG IX 03 00 28 03.1–1.4 35.46N 3.62W 11–7 2.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=113.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=118.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 03 00 28 41.8–.97 35.44N–.04 3.57W–.03 29–11 49 0-6
CNRM IX 03 00 28 38.5 35.67N 3.57W 11 3.1L **¶625045374**
MDD IX 03 00 28 41.2–.71 35.41N 3.64W 16–7 2.8
INMG IX 03 00 28 42.1–1.6 35.38N 3.55W 32 2.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=122.0.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=15.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 03 00 35 40.5–1.1 35.53N–.02 3.62W–.02 12–9 103 0-5
CNRM IX 03 00 35 39.0 35.67N 3.60W 12 2.9L **¶621118399**
MDD IX 03 00 35 41.8–.65 35.43N 3.60W 12–6 2.6
SFS IX 03 00 35 42.0 35.46N 3.61W 13 2.8L,2.7L
INMG IX 03 00 35 42.4–1.5 35.50N 3.62W 16 2.1L,2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=163.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=166.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 03 00 37 32.8–1.1 35.51N–.02 3.62W–.02 11–10 91 0-5
CNRM IX 03 00 37 30.9 35.69N 3.52W 12 2.5L **¶621118400**
INMG IX 03 00 37 33.4–1.6 35.46N 3.65W 3 1.9L
MDD IX 03 00 37 33.3–.59 35.44N 3.63W 2–5 2.4
SFS IX 03 00 37 33.8 35.45N 3.63W 6 2.6L,2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=151.0.
ISC IX 03 01 16 15.3–1.1 35.49N–.03 3.62W–.03 17–9 55 0-5
CNRM IX 03 01 16 13.8 35.61N 3.62W 22 2.5L **¶621883318**
MDD IX 03 01 16 15.6–.59 35.49N 3.62W 6–5 2.4
INMG IX 03 01 16 16.1–1.4 35.52N 3.58W 17 1.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=138.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=49.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC IX 03 01 45 33.8–1.1 35.51N–.02 3.68W–.02 9–9 124 0-6
CNRM IX 03 01 45 30.5 35.76N 3.59W 6 2.9L **¶621115928**
SFS IX 03 01 45 34.1 35.48N 3.67W 1 2.8L,2.7
MDD IX 03 01 45 34.2–.52 35.47N 3.67W 0–5 2.5,2.7
IGIL IX 03 01 45 34.6 35.47N 3.67W 0 2.5,2.7
INMG IX 03 01 45 35.3–1.4 35.51N 3.73W 3 2.0L,2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.6km az=154.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=135.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC IX 03 01 55 49.6–.99 35.51N–.02 3.63W–.02 16–8 102 0-5
CNRM IX 03 01 55 47.4 35.64N 3.61W 12 2.4L **¶621115929**
MDD IX 03 01 55 49.4–.51 35.47N 3.68W 3–4 2.4
INMG IX 03 01 55 50.3–1.5 35.49N 3.63W 12 1.8L
SFS IX 03 01 55 50.0 35.48N 3.62W 14 2.5L,2.4L
IGIL IX 03 01 55 50.4 35.47N 3.68W 3 2.5L,2.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=157.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 03 19 59 52.9–1.0 35.50N–.02 3.65W–.02 24–11 76 0-5
SFS IX 03 19 59 52.4 35.48N 3.70W 6 2.5L,2.4 **¶621118403**
CNRM IX 03 19 59 52.1 35.55N 3.64W 24 2.2L,2.4
INMG IX 03 19 59 53.8–1.6 35.54N 3.62W 17 1.7L,2.4
MDD IX 03 19 59 53.4–.68 35.47N 3.64W 20–8 2.4,2.4
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=4.6km az=108.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=5.1km az=168.0.
ISC IX 03 02 57 05.1–1.2 35.52N–.02 3.70W–.02 1–10 102 0-5
CNRM IX 03 02 57 04.0 35.67N 3.60W 17 2.8L **¶621115930**
SFS IX 03 02 57 05.6 35.48N 3.69W 0 2.6L,2.5L
INMG IX 03 02 57 06.9–1.3 35.52N 3.70W 4 2.0L,2.5L
MDD IX 03 02 57 06.1–.53 35.49N 3.63W 1–5 2.4,2.5L
IGIL IX 03 02 57 06.1 35.49N 3.63W 1 2.4,2.5L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=138.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=156.0.
ISC IX 03 14 42 30.3–1.0 35.55N–.02 3.62W–.02 13–9 51 0-5
CNRM IX 03 14 42 27.3 35.74N 3.63W 15 2.7L **¶625045409**
MDD IX 03 14 42 30.9–.61 35.41N 3.64W 16–6 2.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=120.0.
ISC IX 03 04 57 55.8–1.1 35.59N–.02 3.66W–.03 7–10 43 0-5
MDD IX 03 04 57 55.5–.47 35.55N 3.72W 1–3 2.0 **¶625045383**
CNRM IX 03 04 57 55.3 35.67N 3.60W 16 2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=43.0.
ISC IX 03 07 05 19.7–1.2 35.52N–.03 3.64W–.03 11–10 48 0-5
CNRM IX 03 07 05 17.5 35.70N 3.63W 6 2.7L **¶621883320**
MDD IX 03 07 05 19.7–.49 35.49N 3.67W 2–3 2.3
INMG IX 03 07 05 21.1–1.8 35.40N 3.57W 32 1.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=47.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=4.1km az=16.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 03 11 24 06.9–1.1 35.53N–.02 3.69W–.02 8–9 72 0-5
MDD IX 03 11 24 07.7–.45 35.49N 3.74W 0 2.3 **¶621118402**
SFS IX 03 11 24 07.8 35.54N 3.72W 0 2.5L,2.3
CNRM IX 03 11 24 07.9 35.55N 3.64W 27 2.5L,2.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=29.0.
ISC IX 04 01 18 18.1–.99 35.54N–.02 3.61W–.02 15–8 149 0-8
CNRM IX 04 01 18 17.1 35.62N 3.62W 17 2.6L **¶621117563**
MDD IX 04 01 18 19.2–.39 35.48N 3.64W 9–3 2.5
INMG IX 04 01 18 19.7–1.6 35.51N 3.63W 12–6 2.0L
SFS IX 04 01 18 20.2 35.49N 3.60W 15 2.8L,2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=151.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=131.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC IX 04 04 11 52.5–.99 35.50N–.03 3.62W–.02 27–10 67 0-5
CNRM IX 04 04 11 50.5 35.63N 3.59W 25 2.7L **¶621883332**
MDD IX 04 04 11 52.8–.49 35.45N 3.64W 19–5 2.4
INMG IX 04 04 11 53.2–1.9 35.50N 3.64W 15–10 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=132.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=118.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 03 22 03 26.1–1.1 35.50N–.02 3.66W–.03 12–10 66 0-6
CNRM IX 03 22 03 22.6 35.78N 3.63W 16 2.6L **¶621883327**
MDD IX 03 22 03 25.8–.87 35.45N 3.70W 1–8 2.2
INMG IX 03 22 03 26.8–1.3 35.48N 3.66W 4 1.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.3km s-min=5.6km az=1.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=38.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 03 22 16 38.3–1.0 35.46N–.02 3.62W–.02 16–8 231 0-63
CNRM IX 03 22 16 35.7 35.65N 3.57W 15 3.6L **¶621030507**
SFS IX 03 22 16 38.6 35.48N 3.63W 3 3.6L,3.6L
MDD IX 03 22 16 38.3–.33 35.37N 3.64W 17–3 3.2,3.6L
INMG IX 03 22 16 38.6–1.6 35.37N 3.61W 20–6 2.8L,3.6L
IDC IX 03 22 16 39.5–1.7 35.70N 3.17W 0 3.4b,3.4
IGIL IX 03 22 16 39.6 35.37N 3.64W 17 3.4b,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=1.7km az=161.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=2.5km az=156.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IDC Error ellipse: s-maj=40.9km s-min=14.9km az=76.0.
ISC IX 03 17 52 57.5–1.0 35.56N–.02 3.58W–.02 13–9 80 0-6
CNRM IX 03 17 52 56.8 35.59N 3.55W 12 3.3L **¶621030446**
INMG IX 03 17 52 59.7–1.4 35.48N 3.52W 25 2.7L
MDD IX 03 17 52 59.1–.49 35.44N 3.58W 24–6 3.0
SFS IX 03 17 52 59.3 35.42N 3.56W 20 3.5L,3.4L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=179.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=2.9km az=169.0.
ISC IX 05 13 49 37.5–1.2 35.49N–.02 3.60W–.02 10–10 155 0-6
CNRM IX 05 13 49 35.6 35.74N 3.52W 13 3.0L **¶621117571**
MDD IX 05 13 49 38.8–.38 35.41N 3.62W 14–3 2.7
SFS IX 05 13 49 38.9 35.47N 3.64W 4 2.9L,2.8
INMG IX 05 13 49 39.0–1.7 35.38N 3.57W 23–6 2.2L,2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=158.0.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=3.3km az=155.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 04 02 15 50.4–.99 35.50N–.02 3.64W–.02 25–11 193 0-8
CNRM IX 04 02 15 47.4 35.69N 3.59W 16 3.1L **¶621030581**
INMG IX 04 02 15 50.7–1.6 35.39N 3.64W 26–12 2.4L
MDD IX 04 02 15 50.4–.36 35.46N 3.66W 10–3 2.9
SFS IX 04 02 15 50.1 35.48N 3.67W 6 3.3L,3.3L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=2.8km az=163.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=157.0.
ISC IX 04 14 40 17.1–1.1 35.50N–.02 3.63W–.02 20–6 124 0-5
CNRM IX 04 14 40 15.9 35.59N 3.60W 22 2.4L **¶621117565**
MDD IX 04 14 40 17.2–.42 35.41N 3.61W 19–4 2.4
SFS IX 04 14 40 17.2 35.45N 3.65W 6 2.7L,2.6
INMG IX 04 14 40 18.1–1.8 35.43N 3.57W 23–8 2.0L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=166.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=145.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 03 22 31 37.2–1.0 35.44N–.02 3.64W–.02 18–7 158 0-8
CNRM IX 03 22 31 36.1 35.56N 3.61W 13 2.6L **¶621115932**
MDD IX 03 22 31 37.7–.41 35.39N 3.63W 7–3 2.6
SFS IX 03 22 31 37.9 35.47N 3.64W 8 3.0L,2.8L
INMG IX 03 22 31 38.3–1.5 35.44N 3.66W 7 2.1L,2.8L
IGIL IX 03 22 31 38.2 35.39N 3.63W 7 2.1L,2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=159.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=135.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 05 02 50 04.6–1.1 35.51N–.02 3.61W–.02 20–4 274 0-9
INMG IX 05 02 50 04.6–1.7 35.42N 3.65W 11–8 2.8L **¶621035465**
MDD IX 05 02 50 04.2–.44 35.48N 3.64W 0–3 3.2
SFS IX 05 02 50 04.3 35.53N 3.64W 0 3.7b,3.7L
CNRM IX 05 02 50 04.7 35.52N 3.57W 25 3.7L,3.7L
IGIL IX 05 02 50 04.2 35.48N 3.64W 1 3.7L,3.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=2.7km az=157.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=158.0.
ISC IX 05 12 11 35.8–.99 35.51N–.02 3.66W–.02 25–10 190 0-8
CNRM IX 05 12 11 34.5 35.58N 3.64W 13 3.3L **¶621035615**
MDD IX 05 12 11 36.4–.38 35.51N 3.66W 7–3 3.0
IGIL IX 05 12 11 36.7 35.51N 3.66W 7 2.4L
SFS IX 05 12 11 36.3 35.47N 3.63W 16 3.4L,3.4L
INMG IX 05 12 11 38.0–1.6 35.51N 3.72W 22–7 2.6L,3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=161.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=124.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
CNRM IX 06 00 36 17.1 35.63N 3.55W 5 0.9L ¶635706664
ISC IX 05 12 21 44.2–1.1 35.49N–.02 3.71W–.02 17–9 108 0-5
CNRM IX 05 12 21 43.7 35.59N 3.64W 26 2.3L **¶621117570**
MDD IX 05 12 21 44.8–.65 35.44N 3.72W 12–5 2.4
SFS IX 05 12 21 45.2 35.48N 3.70W 10 2.6L,2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=177.0.
ISC IX 07 16 06 49.2–1.4 35.56N–.02 3.66W–.03 19–4 30 0-3
CNRM IX 07 16 06 48.3 35.64N 3.64W 24 2.2L **¶625045742**
MDD IX 07 16 06 50.7–.99 35.51N 3.64W 13–8 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=6.7km az=43.0.
ISC IX 06 04 02 16.3–1.5 35.53N–.02 3.60W–.02 14–12 87 0-6
CNRM IX 06 04 02 15.6 35.60N 3.56W 15 2.6L **¶621115941**
MDD IX 06 04 02 16.6–.59 35.48N 3.65W 9–5 2.4
INMG IX 06 04 02 18.0–1.5 35.46N 3.58W 22–7 2.1L
IGIL IX 06 04 02 18.2 35.48N 3.65W 9 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=153.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=138.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 06 10 37 36.6–1.1 35.51N–.02 3.61W–.02 19–3 70 0-5
CNRM IX 06 10 37 35.9 35.54N 3.60W 22 2.4L **¶625045663**
MDD IX 06 10 37 36.5–.70 35.50N 3.67W 2–5 2.6
INMG IX 06 10 37 37.4–1.5 35.45N 3.60W 19–9 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=29.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=4.6km az=135.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 06 18 28 14.2–1.0 35.46N–.03 3.53W–.03 28–10 39 0-5
MDD IX 06 18 28 13.8–.64 35.58N 3.52W 3–4 2.6 **¶625045677**
CNRM IX 06 18 28 14.1 35.47N 3.61W 31 2.1L
ISC Event type ke.

MDD Event type ke. Error ellipse: s-maj=7.4km s-min=3.2km az=49.0.
ISC IX 06 19 06 48.5–1.1 35.59N–.03 3.58W–.03 18–8 26 0-3
CNRM IX 06 19 06 47.3 35.67N 3.58W 20 2.1L ¶625045679
MDD IX 06 19 06 49.9–.83 35.51N 3.61W 12–4 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.0km az=38.0.
ISC IX 07 16 17 16.4–1.0 35.49N–.03 3.64W–.03 16–9 24 0-2
CNRM IX 07 16 17 12.6 35.71N 3.63W 11 2.9L ¶625045755
MDD IX 07 16 17 20.8–.53 35.72N 3.49W 0 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=56.0.
ISC IX 07 16 18 58.6–1.1 35.45N–.03 3.71W–.02 9–9 135 1-6
MDD IX 07 16 19 00.4–.38 35.47N 3.65W 1–3 3.2 ¶621041452
SFS IX 07 16 19 00.7 35.49N 3.68W 3 3.5L,3.3
INMG IX 07 16 19 01.4–1.7 35.50N 3.64W 5–6 2.7L,3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=165.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=139.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 07 16 15 10.3–.00 35.53N–.01 3.64W–.02 11–8 298 0-7
MDD IX 07 16 15 10.8–.28 35.49N 3.65W 0 3.3 ¶625045745
SFS IX 07 16 15 11.0 35.49N 3.64W 8 3.8L,3.7L
CNRM IX 07 16 15 11.0 35.50N 3.59W 24 3.5L,3.7L
INMG IX 07 16 15 11.0–1.7 35.50N 3.68W 2–7 2.8L,3.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=1.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 08 00 34 58.8–1.0 35.42N–.03 3.58W–.03 30–11 158 1-7
SFS IX 08 00 34 58.8 35.45N 3.61W 10 4.1b,3.5L ¶621115945
MDD IX 08 00 34 59.5–.44 35.43N 3.61W 13–4 2.7,3.5L
INMG IX 08 00 34 59.6–1.7 35.41N 3.60W 18–7 2.2L,3.5L
IGIL IX 08 00 34 59.6 35.43N 3.61W 13 2.2L,3.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=159.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=145.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 09 22 41 07.4–1.0 35.46N–.02 3.63W–.02 17–9 121 0-7
CNRM IX 09 22 41 05.8 35.66N 3.53W 12 2.8L ¶621117433
SFS IX 09 22 41 07.4 35.44N 3.69W 6 2.8L,2.7L
MDD IX 09 22 41 07.8–.42 35.46N 3.64W 6–3 2.5,2.7L
INMG IX 09 22 41 08.2–1.6 35.46N 3.62W 8–7 2.0L,2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=156.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=118.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 08 20 37 43.6–1.2 35.52N–.02 3.65W–.02 7–10 127 0-6
CNRM IX 08 20 37 42.8 35.62N 3.58W 14 2.5L ¶621117429
INMG IX 08 20 37 44.6–1.4 35.48N 3.68W 0 2.1L
SFS IX 08 20 37 44.5 35.47N 3.65W 6 2.9L,2.8
MDD IX 08 20 37 45.0–.33 35.51N 3.61W 0 2.5,2.8
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=151.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=36.0.
ISC IX 09 07 34 32.7–1.1 35.52N–.03 3.61W–.03 24–12 32 0-5
CNRM IX 09 07 34 31.6 35.58N 3.69W 27 2.1L ¶625045899
MDD IX 09 07 34 33.2–.72 35.60N 3.59W 14 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=3.0km az=54.0.
ISC IX 07 22 18 31.5–1.2 35.55N–.02 3.61W–.02 8–10 102 0-5
SFS IX 07 22 18 32.5 35.50N 3.71W 0 2.7L,2.5 ¶621117575
MDD IX 07 22 18 33.4–.62 35.52N 3.64W 6–5 2.4,2.5
CNRM IX 07 22 18 33.1 35.55N 3.63W 26 2.3L,2.5
INMG IX 07 22 18 34.5–1.7 35.48N 3.59W 13–11 1.8L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=135.0.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=98.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 08 04 49 40.8–1.3 35.51N–.02 3.59W–.02 19–3 141 0-6
SFS IX 08 04 49 40.6 35.46N 3.57W 26 3.8L,3.4L ¶621115946
CNRM IX 08 04 49 40.6 35.53N 3.59W 15 3.1L,3.4L
INMG IX 08 04 49 41.4–1.3 35.46N 3.64W 4 2.5L,3.4L
MDD IX 08 04 49 42.1–.60 35.48N 3.60W 17–6 2.8,3.4L
IGIL IX 08 04 49 42.0 35.48N 3.60W 10 2.2L,3.4L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=28.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=128.0.
ISC IX 10 01 38 30.1–1.0 35.53N–.02 3.59W–.02 16–9 65 0-5
CNRM IX 10 01 38 28.6 35.63N 3.54W 12 2.5L ¶621883379
INMG IX 10 01 38 30.1–1.4 35.57N 3.56W 2 1.6L
MDD IX 10 01 38 30.6–.52 35.43N 3.59W 22–6 2.3
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=54.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=126.0.
ISC IX 10 01 53 38.3–1.1 35.46N–.02 3.76W–.02 18–3 257 0-8
CNRM IX 10 01 53 36.9 35.63N 3.76W 14 3.8L ¶621051055
IGIL IX 10 01 53 38.8 35.40N 3.80W 7 2.6L
MDD IX 10 01 53 38.2–.32 35.40N 3.80W 7–2 3.4
INMG IX 10 01 53 39.4–1.8 35.46N 3.78W 11–6 2.8L
SFS IX 10 01 53 39.1 35.45N 3.75W 9 4.3b,4.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=165.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=134.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 10 02 49 44.4–.94 35.50N–.02 3.76W–.02 17–8 144 0-6
CNRM IX 10 02 49 41.7 35.66N 3.76W 7 3.0L ¶621117434
INMG IX 10 02 49 44.8–1.8 35.49N 3.78W 11–9 2.1L
MDD IX 10 02 49 44.2–.37 35.51N 3.81W 2–2 2.6
SFS IX 10 02 49 45.5 35.44N 3.74W 15 3.0L,2.9
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=163.0.
ISC IX 13 06 05 37.0–1.1 35.56N–.03 3.54W–.03 13–9 33 0-4
CNRM IX 13 06 05 35.8 35.67N 3.51W 12 2.4L ¶625046177
MDD IX 13 06 05 38.6–.90 35.45N 3.59W 19–9 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.4km s-min=7.8km az=152.0.
ISC IX 11 10 21 28.4–1.0 35.44N–.02 3.68W–.02 26–11 74 0-5
CNRM IX 11 10 21 28.7 35.44N 3.73W 28 2.2L ¶621117436
SFS IX 11 10 21 28.7 35.49N 3.70W 6 2.6L,2.5L
MDD IX 11 10 21 29.7–.63 35.45N 3.65W 20–8 2.5,2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=4.6km az=164.0.
ISC IX 11 17 46 21.1–1.0 35.46N–.03 3.63W–.02 13–9 109 0-5
CNRM IX 11 17 46 18.5 35.67N 3.54W 11 2.3L ¶621117437
INMG IX 11 17 46 21.9–1.7 35.40N 3.63W 12 2.0L
MDD IX 11 17 46 21.5–.50 35.38N 3.67W 11 2.6
SFS IX 11 17 46 21.3 35.46N 3.65W 4 2.8L,2.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=12.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=15.0.
ISC IX 13 21 59 40.0–1.2 35.47N–.04 3.63W–.03 22–5 30 0-4
CNRM IX 13 21 59 38.1 35.59N 3.64W 18 2.0L ¶625046206
MDD IX 13 21 59 40.7–.90 35.35N 3.62W 37 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.1km s-min=4.2km az=41.0.
CNRM IX 14 01 20 26.9 35.62N 3.55W 10 1.4L
¶635706685
ISC IX 13 18 35 27.3–.97 35.48N–.02 3.79W–.02 17–8 69 0-4
SFS IX 13 18 35 26.8 35.46N 3.80W 17 2.6L,2.5 ¶621117441
MDD IX 13 18 35 27.9–1.1 35.47N 3.79W 9–10 2.5,2.5
CNRM IX 13 18 35 27.2 35.51N 3.77W 17 2.2L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.3km s-min=7.7km az=177.0.
ISC IX 13 23 38 27.1–1.1 35.58N–.03 3.63W–.04 18–10 21 0-2
MDD IX 13 23 38 27.0–.51 35.56N 3.71W 8 2.5 ¶625046212
CNRM IX 13 23 38 27.2 35.60N 3.59W 23 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=50.0.
ISC IX 15 02 30 04.3–1.1 35.48N–.04 3.61W–.03 17–9 44 0-5
CNRM IX 15 02 30 03.7 35.49N 3.60W 25 2.5L ¶621883394
MDD IX 15 02 30 05.0–.44 35.48N 3.61W 15 2.3
INMG IX 15 02 30 05.0–1.8 35.43N 3.59W 15–10 1.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=51.0.
INMG Event type ke. Error ellipse: s-maj=6.8km s-min=4.0km az=105.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 14 03 50 48.7–.99 35.57N–.03 3.67W–.03 14–9 25 0-3
CNRM IX 14 03 50 47.6 35.70N 3.59W 14 2.3L ¶625046237
MDD IX 14 03 50 49.2–.90 35.45N 3.75W 17 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=3.2km az=42.0.
ISC IX 14 09 54 20.6–1.1 35.50N–.03 3.59W–.03 22–12 49 0-4
CNRM IX 14 09 54 18.4 35.65N 3.57W 14 2.0L ¶621117443
SFS IX 14 09 54 20.9 35.47N 3.61W 12 2.7L,2.6
MDD IX 14 09 54 21.4–.94 35.47N 3.57W 25–10 2.6,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.5km s-min=8.5km az=148.0.
ISC IX 14 17 57 26.6–1.1 35.57N–.03 3.65W–.03 14–10 21 0-3
CNRM IX 14 17 57 24.9 35.68N 3.63W 5 2.5L ¶625046259
MDD IX 14 17 57 27.9–.60 35.43N 3.64W 22 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=25.0.
ISC IX 15 06 52 32.7–1.1 35.49N–.02 3.64W–.02 12–9 222 0-77
IDC IX 15 06 52 31.9–1.5 35.52N 3.64W 0 3.6b,3.6 ¶621073665
IGIL IX 15 06 52 33.5 35.47N 3.67W 0 3.6b,3.6
INMG IX 15 06 52 33.7–1.5 35.51N 3.71W 4–6 2.8L,3.6
CNRM IX 15 06 52 33.5 35.47N 3.62W 25 3.7L,3.6
SFS IX 15 06 52 33.4 35.50N 3.60W 8 4.0L,3.6L
MDD IX 15 06 52 33.1–.25 35.47N 3.67W 0 3.3,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=15.9km az=82.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=123.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=169.0.
ISC IX 15 22 15 19.3–1.9 35.47N–.03 3.64W–.03 14–15 41 0-5
CNRM IX 15 22 15 19.1 35.54N 3.63W 30 2.5L ¶621883397
MDD IX 15 22 15 21.7–.92 35.50N 3.63W 15–9 2.5
INMG IX 15 22 15 22.0–1.2 35.48N 3.55W 24–8 1.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.1km s-min=6.6km az=173.0.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=2.9km az=99.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 16 05 13 19.8–1.0 35.55N–.02 3.63W–.02 12–9 99 0-5
CNRM IX 16 05 13 19.1 35.62N 3.54W 21 2.8L ¶621117446
MDD IX 16 05 13 19.6–.44 35.45N 3.72W 0 2.3
INMG IX 16 05 13 20.4–1.6 35.49N 3.71W 0 1.9L
SFS IX 16 05 13 21.1 35.48N 3.63W 10 2.6L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=1.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.6km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 16 21 06 02.5–1.7 35.47N–.04 3.66W–.03 14–13 85 1-5
SFS IX 16 21 06 02.7 35.44N 3.63W 3 2.8L,2.8L ¶621117447
INMG IX 16 21 06 04.3–1.7 35.42N 3.58W 24–8 2.2L,2.8L
MDD IX 16 21 06 04.3–.61 35.44N 3.63W 20–7 2.6,2.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=4.3km az=147.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=3.7km az=162.0.
MDD IX 16 03 41 38.4–.65 36.87N 4.77W 31–2 1.6
¶625046356
MDD Event type ke. Error ellipse: s-maj=7.7km s-min=5.3km az=9.0.
CNRM IX 16 03 41 38.4 35.55N 3.52W 21 1.4L
¶635706663
ISC IX 16 04 05 18.4–1.1 35.59N–.02 3.66W–.03 11–10 30 0-3
CNRM IX 16 04 05 17.0 35.69N 3.66W 8 2.5L ¶625046357
MDD IX 16 04 05 20.5–.71 35.51N 3.67W 15–5 2.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=91.0.
ISC IX 16 13 06 56.1–1.1 35.53N–.02 3.62W–.02 19–3 158 0-7
CNRM IX 16 13 06 55.2 35.58N 3.58W 21 3.0L ¶621080774
MDD IX 16 13 06 56.0–.33 35.56N 3.64W 0 2.9
SFS IX 16 13 06 56.5 35.55N 3.67W 6 3.4L,3.3L
INMG IX 16 13 06 57.0–1.5 35.50N 3.58W 17–7 2.5L,3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=2.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=2.7km az=152.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 17 07 46 24.1–1.1 35.53N–.03 3.62W–.03 25–13 33 0-5
CNRM IX 17 07 46 22.6 35.66N 3.61W 30 2.3L ¶625046431
MDD IX 17 07 46 25.9–.68 35.47N 3.58W 27–12 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.1km s-min=5.2km az=145.0.
ISC IX 16 17 28 33.0–1.3 35.48N–.03 3.62W–.03 19–4 148 1-7
MDD IX 16 17 28 33.0–.41 35.49N 3.65W 6–3 2.9 ¶621080779
SFS IX 16 17 28 33.2 35.50N 3.65W 0 4.1b,3.5L
INMG IX 16 17 28 33.4–1.6 35.48N 3.63W 12–8 2.5L,3.5L
IGIL IX 16 17 28 34.0 35.49N 3.65W 6 2.5L,3.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=2.1km az=168.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=156.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 17 07 46 48.6–1.0 35.48N–.03 3.60W–.03 26–11 34 0-5
MDD IX 17 07 46 47.5–.50 35.50N 3.74W 0 2.6 ¶625046434
CNRM IX 17 07 46 49.5 35.40N 3.56W 22 2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=19.0.
ISC IX 17 08 04 30.1–1.1 35.52N–.02 3.65W–.03 10–9 44 0-5
CNRM IX 17 08 04 28.7 35.65N 3.61W 19 2.5L ¶625046435
MDD IX 17 08 04 31.8–.61 35.49N 3.67W 0 2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=25.0.
ISC IX 19 01 48 30.2–1.0 35.52N–.02 3.59W–.02 23–12 134 0-7
CNRM IX 19 01 48 28.7 35.60N 3.58W 25 2.8L ¶621117453
MDD IX 19 01 48 29.7–.52 35.51N 3.66W 4–4 2.6
SFS IX 19 01 48 30.5 35.50N 3.61W 13 3.4L,3.2L
INMG IX 19 01 48 31.1–1.4 35.50N 3.58W 22–6 2.4L,3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=130.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=112.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 17 05 11 40.9–1.3 35.51N–.04 3.67W–.03 15–11 92 1-6
SFS IX 17 05 11 41.6 35.52N 3.70W 6 2.7L,2.6 ¶621117448
MDD IX 17 05 11 42.3–.53 35.51N 3.67W 8–4 2.5,2.6
INMG IX 17 05 11 42.4–1.5 35.45N 3.59W 21–9 2.1L,2.6
ISC Event type ke.

MDD Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=166.0.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=5.0km az=131.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 17 03 51 04.3–2.1 35.58N–.03 3.67W–.03 10–16 45 0-5
CNRM IX 17 03 51 04.7 35.63N 3.67W 22 2.5L ¶625046420
MDD IX 17 03 51 06.6–.70 35.48N 3.66W 24–9 2.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.6km s-min=4.2km az=159.0.
ISC IX 18 00 11 18.6–1.1 35.52N–.02 3.62W–.02 13–8 3.9b 283 0-80
IDC IX 18 00 11 17.5–.68 35.47N 3.45W 0 3.8b,3.7 ¶621082837
NEIC IX 18 00 11 18.5–.75 35.48N–.06 3.61W–.03 10–2 4.2b,3.7
SFS IX 18 00 11 18.1 35.51N 3.64W 0 4.4b,3.9L
INMG IX 18 00 11 19.9–1.9 35.49N 3.57W 22–6 3.1L,3.9L
CRAAG IX 18 00 11 19.0 35.47N 3.58W 3.4L,3.9L
CNRM IX 18 00 11 19.1 35.52N 3.61W 25 4.0L,3.9L
IGIL IX 18 00 11 19.1 35.49N 3.59W 12 2.9L,3.9L
MDD IX 18 00 11 19.4–.44 35.49N 3.59W 12–3 3.4,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=8.4km az=103.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=3.2km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=142.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CRAAG Gibraltar.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=1.9km az=162.0.
ISC IX 20 09 08 20.5–1.1 35.48N–.02 3.64W–.02 18–7 124 0-5
CNRM IX 20 09 08 18.3 35.67N 3.57W 10 2.3L ¶625046632
INMG IX 20 09 08 20.7–1.3 35.42N 3.68W 6–7 1.9L
SFS IX 20 09 08 20.4 35.46N 3.66W 7 2.9L,2.8
MDD IX 20 09 08 20.3–.60 35.43N 3.70W 2–5 2.5,2.8
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=3.5km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=137.0.
ISC IX 19 00 29 48.3–.91 35.50N–.02 3.62W–.02 20–7 92 0-5
CNRM IX 19 00 29 46.7 35.64N 3.54W 20 2.5L ¶621117452
INMG IX 19 00 29 48.4–1.7 35.48N 3.69W 4 2.0L
SFS IX 19 00 29 48.5 35.47N 3.64W 12 2.9L,2.8L
MDD IX 19 00 29 49.0–.65 35.48N 3.62W 14–7 2.3,2.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=154.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=120.0.
ISC IX 19 00 31 48.2–1.0 35.50N–.02 3.65W–.02 15–8 3.1s 268 0-95
IDC IX 19 00 31 47.2–.91 35.49N 3.60W 0 3.8b,3.7 ¶621083004
SFS IX 19 00 31 48.4 35.50N 3.66W 4 4.5b,4.2L
CNRM IX 19 00 31 48.2 35.52N 3.56W 18 4.1L,4.2L
IGIL IX 19 00 31 48.4 35.46N 3.63W 4 4.1L,4.2L
MDD IX 19 00 31 48.7–.38 35.46N 3.63W 4–3 3.6,4.2L
INMG IX 19 00 31 49.7–1.6 35.48N 3.61W 18–5 3.2L,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=8.8km az=103.0.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=160.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=138.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 19 00 55 45.2–1.2 35.53N–.02 3.61W–.02 10–10 129 0-7
CNRM IX 19 00 55 45.3 35.62N 3.55W 23 3.0L ¶621115969
MDD IX 19 00 55 46.4–.58 35.48N 3.66W 0–4 2.5
IGIL IX 19 00 55 46.9 35.48N 3.66W 2 2.5
SFS IX 19 00 55 47.0 35.44N 3.62W 14 3.0L,3.0L
INMG IX 19 00 55 48.1–1.7 35.47N 3.55W 28–12 2.3L,3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=135.0.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=5.0km az=125.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 19 05 52 54.5–1.6 35.51N–.02 3.62W–.02 18–8 125 0-7
CNRM IX 19 05 52 51.2 35.72N 3.53W 9 3.4L ¶621083064
MDD IX 19 05 52 54.8–.36 35.50N 3.62W 0 2.9
INMG IX 19 05 52 54.7–1.6 35.47N 3.65W 2–7 2.3L
SFS IX 19 05 52 55.0 35.47N 3.64W 14 3.1L,3.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=29.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=116.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 23 21 01 38.4–1.1 35.54N–.02 3.66W–.02 5–10 76 0-5
CNRM IX 23 21 01 37.1–.59 35.62N 3.55W 12–3 ¶621883425
INMG IX 23 21 01 38.9–1.2 35.51N 3.70W 0–5 1.9L
MDD IX 23 21 01 38.8–.50 35.49N 3.68W 1–4 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=4.0km s-min=3.0km az=24.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=114.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=138.0.
ISC IX 21 14 09 06.8–1.5 35.47N–.03 3.72W–.04 14–11 25 0-5
CNRM IX 21 14 09 08.1 35.47N 3.80W 17 2.1L ¶625046642
MDD IX 21 14 09 09.5–.96 35.55N 3.73W 22 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.2km s-min=3.6km az=50.0.
ISC IX 22 17 48 26.0–1.5 36.51N–.06 7.61W–.03 61–13 89 1-5
CNRM IX 22 17 48 24.5–1.0 36.40N 7.72W 20–9 ¶621116052
INMG IX 22 17 48 27.7–1.5 36.55N 7.61W 18–3 1.7L
MDD IX 22 17 48 27.0–.68 36.51N 7.63W 25–5 2.7
IGIL IX 22 17 48 28.7 36.51N 7.62W 31 2.7
SFS IX 22 17 48 28.2 36.57N 7.62W 28 2.6,2.5L
ISC Event type ke.
CNRM Error ellipse: s-maj=6.2km s-min=3.2km az=73.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=22.0. #DIST_RANGE: LOCAL #IPMA_REGION: Golfo de Cadiz.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=33.0.
CNRM IX 22 17 50 58.0–1.2 35.43N 3.59W 17–3
¶635706662
CNRM Error ellipse: s-maj=12.8km s-min=3.3km az=174.0.
ISC IX 23 14 15 13.5–1.2 35.52N–.02 3.62W–.02 21–4 105 0-6
SFS IX 23 14 15 12.7 35.46N 3.73W 2 2.9L,2.8 ¶621117461
CNRM IX 23 14 15 13.2–.28 35.53N 3.61W 25–2 2.9L,2.8
INMG IX 23 14 15 13.3–3.2 35.56N 3.65W 12–24 2.4L,2.8
MDD IX 23 14 15 14.8–.66 35.52N 3.62W 20–7 2.6,2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=2.1km s-min=1.5km az=31.0.
INMG Event type ke. Error ellipse: s-maj=10.8km s-min=8.6km az=127.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=144.0.
ISC IX 24 00 31 26.6–1.1 35.57N–.02 3.77W–.02 14–8 243 0-63
SFS IX 24 00 31 26.2 35.58N 3.77W 0 4.7b,4.2L ¶621109270
IGIL IX 24 00 31 26.6 35.59N 3.74W 0 2.9L,4.2L
IDC IX 24 00 31 26.0–.87 35.57N 3.62W 0 3.5L,3.5b
MDD IX 24 00 31 27.1–.27 35.59N 3.74W 0 3.6,3.5b
CNRM IX 24 00 31 27.9–.42 35.54N 3.80W 28–3 3.6,3.5b
INMG IX 24 00 31 27.2–1.4 35.61N 3.82W 0 3.2L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=8.6km az=101.0.
MDD Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=6.0.
CNRM Error ellipse: s-maj=3.3km s-min=2.4km az=66.0.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=119.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC IX 25 08 16 26.7–1.1 35.51N–.02 3.68W–.02 8–9 112 0-5
INMG IX 25 08 16 27.8–1.8 35.47N 3.69W 2 2.2L ¶621117464
MDD IX 25 08 16 27.5–.33 35.49N 3.67W 0 2.7
SFS IX 25 08 16 27.0 35.48N 3.72W 3 2.9L,2.8L
CNRM IX 25 08 16 27.2–.58 35.54N 3.61W 21–4 2.9L,2.8L

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=168.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=16.0.
CNRM Error ellipse: s-maj=3.3km s-min=2.6km az=55.0.
CNRM IX 25 02 37 08.0–.98 35.66N 3.63W 16–3
¶635706648
CNRM Error ellipse: s-maj=7.4km s-min=3.2km az=171.0.
MDD IX 25 02 37 59.6–.61 35.76N 3.21W 12 2.3
CNRM IX 25 02 37 56.1–.60 35.55N 3.59W 24–2 2.3 ¶625199177
MDD Event type ke. Error ellipse: s-maj=53.0km s-min=3.4km az=66.0.
CNRM Error ellipse: s-maj=5.5km s-min=1.7km az=173.0.
ISC IX 26 16 05 55.4–.99 35.49N–.02 3.65W–.02 17–8 140 0-5
MDD IX 26 16 05 55.0–.40 35.48N 3.69W 5–3 2.6 ¶621116067
SFS IX 26 16 05 56.0 35.44N 3.67W 13 3.1L,2.8L
CNRM IX 26 16 05 55.2–.47 35.54N 3.64W 23–3 3.1L,2.8L
INMG IX 26 16 05 56.3–1.7 35.51N 3.63W 12–7 2.1L,2.8L
IGIL IX 26 16 05 57.3 35.48N 3.69W 5 2.1L,2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=157.0.
CNRM Error ellipse: s-maj=2.9km s-min=2.4km az=14.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC IX 26 01 41 06.0–1.0 35.47N–.02 3.61W–.02 25–11 128 0-7
MDD IX 26 01 41 05.1–.47 35.50N 3.67W 0–4 2.4 ¶621116062
SFS IX 26 01 41 05.7 35.45N 3.68W 6 2.8L,2.7L
INMG IX 26 01 41 06.8–1.6 35.51N 3.60W 15–8 2.1L,2.7L
IGIL IX 26 01 41 07.0 35.50N 3.67W 0 2.1L,2.7L
CNRM IX 26 01 41 07.4–1.1 35.43N 3.72W 32–5 2.1L,2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=158.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=110.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
CNRM Error ellipse: s-maj=10.2km s-min=5.0km az=46.0.
ISC IX 26 16 22 26.5–1.2 35.49N–.02 3.63W–.02 21–4 207 0-7
MDD IX 26 16 22 25.6–.36 35.41N 3.68W 8–2 3.1 ¶621110430
CNRM IX 26 16 22 25.2–.62 35.61N 3.58W 14–3 3.1
SFS IX 26 16 22 26.7 35.45N 3.64W 8 3.5L,3.4L
INMG IX 26 16 22 26.5–2.0 35.41N 3.65W 20–8 2.6L,3.4L
IGIL IX 26 16 22 27.4 35.41N 3.68W 8 2.5L,3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=160.0.
CNRM Error ellipse: s-maj=3.4km s-min=3.0km az=36.0.
INMG Event type ke. Error ellipse: s-maj=7.2km s-min=3.9km az=153.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 26 16 27 26.5–.80 35.55N–.03 3.54W–.03 14 26 0-2
CNRM IX 26 16 27 24.1–.82 35.72N 3.54W 10–3 ¶625199200
MDD IX 26 16 27 29.6–1.1 35.47N 3.43W 28–11 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=5.9km s-min=2.8km az=14.0.
MDD Event type ke. Error ellipse: s-maj=13.4km s-min=6.4km az=86.0.
CNRM IX 27 08 34 04.5–.52 35.29N 3.53W 7–8
¶635706672
CNRM Error ellipse: s-maj=6.8km s-min=1.3km az=179.0.
ISC IX 26 20 54 39.6–1.1 35.47N–.02 3.66W–.03 15–9 81 0-5
CNRM IX 26 20 54 38.4–.47 35.65N 3.62W 17–2 ¶621117466
MDD IX 26 20 54 39.9–.80 35.47N 3.69W 5–8 2.4
SFS IX 26 20 54 40.0 35.44N 3.68W 11 2.5L,2.4L
INMG IX 26 20 54 41.0–1.4 35.44N 3.53W 49–23 1.8L,2.4L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.1km s-min=2.1km az=34.0.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=166.0.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=6.3km az=94.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD IX 27 08 34 51.3–1.0 35.47N 3.62W 18–10 2.4
¶625199237
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=8.3km az=147.0.
ISC IX 27 11 43 38.1–1.1 35.51N–.03 3.58W–.03 24–12 37 0-5
CNRM IX 27 11 43 37.2–.71 35.56N 3.60W 22–4 ¶625199239
MDD IX 27 11 43 38.8–.88 35.46N 3.61W 14–9 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=6.8km s-min=2.7km az=12.0.
MDD Event type ke. Error ellipse: s-maj=8.4km s-min=6.3km az=5.0.
ISC IX 27 09 18 15.1–1.1 35.49N–.02 3.61W–.02 18–3 114 0-6
SFS IX 27 09 18 14.7 35.49N 3.67W 7 3.4L,3.2L ¶621110614
CNRM IX 27 09 18 14.1–.63 35.60N 3.59W 13–4 3.4L,3.2L
INMG IX 27 09 18 16.3–1.6 35.49N 3.58W 18 2.5L,3.2L
MDD IX 27 09 18 16.6–.47 35.48N 3.57W 22–4 2.9,3.2L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.8km s-min=3.2km az=42.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=30.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=161.0.
ISC IX 27 13 57 41.0–.97 35.52N–.03 3.56W–.03 29–10 37 0-5
CNRM IX 27 13 57 39.4–.83 35.62N 3.55W 22–5 ¶625199242
MDD IX 27 13 57 42.5–.55 35.49N 3.49W 27–8 2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=6.5km s-min=3.0km az=8.0.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=3.7km az=104.0.
ISC IX 27 10 08 37.4–1.2 35.56N–.03 3.59W–.03 15–10 34 0-5
CNRM IX 27 10 08 35.7–.58 35.68N 3.57W 14–2 ¶625199238
MDD IX 27 10 08 38.3–.92 35.45N 3.65W 12–9 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=4.2km s-min=2.1km az=12.0.
MDD Event type ke. Error ellipse: s-maj=8.7km s-min=6.1km az=7.0.
ISC IX 27 12 41 25.5–1.2 35.54N–.03 3.62W–.02 16–10 52 0-5
CNRM IX 27 12 41 24.9–.71 35.62N 3.60W 16–3 ¶621883441
MDD IX 27 12 41 25.3–.61 35.46N 3.69W 14–7 2.5
INMG IX 27 12 41 27.2–1.7 35.52N 3.59W 17 2.1L
ISC Event type ke.
CNRM Error ellipse: s-maj=5.4km s-min=2.8km az=15.0.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=154.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=147.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC IX 27 19 49 32.9–1.2 35.45N–.02 3.59W–.02 1–10 73 0-6
SFS IX 27 19 49 32.8 35.43N 3.70W 0 2.7L,2.6 ¶621117473
CNRM IX 27 19 49 32.6–1.1 35.72N 3.42W 27–5 2.7L,2.6
MDD IX 27 19 49 34.3–.42 35.42N 3.61W 0 2.5,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=9.2km s-min=4.2km az=15.0.
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=170.0.
ISC IX 27 12 59 13.4–1.1 35.53N–.02 3.63W–.03 15–9 84 0-5
SFS IX 27 12 59 12.8 35.48N 3.72W 0 2.7L,2.6L ¶621117469
CNRM IX 27 12 59 12.7–.73 35.62N 3.57W 15–3 2.7L,2.6L
MDD IX 27 12 59 13.8–.54 35.51N 3.64W 15–6 2.5,2.6L
INMG IX 27 12 59 14.4–1.7 35.55N 3.62W 12 2.1L,2.6L
ISC Event type ke.
CNRM Error ellipse: s-maj=5.5km s-min=3.3km az=14.0.
MDD Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=162.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=127.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC IX 27 18 08 13.7–1.0 35.51N–.02 3.61W–.03 25–11 66 0-5
CNRM IX 27 18 08 11.5–1.1 35.66N 3.61W 23–6 ¶621117472
SFS IX 27 18 08 13.9 35.52N 3.66W 12 2.7L,2.6
MDD IX 27 18 08 15.1–.54 35.58N 3.54W 0 2.5,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=8.3km s-min=4.0km az=8.0.
MDD Event type ke. Error ellipse: s-maj=5.5km s-min=2.9km az=50.0.
ISC IX 27 16 27 16.3–1.1 35.49N–.03 3.61W–.04 26–12 30 0-5
MDD IX 27 16 27 16.3–.88 35.45N 3.64W 16–10 2.6 ¶625199245
CNRM IX 27 16 27 17.3–.80 35.46N 3.55W 24–4 2.6

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.7km s-min=6.9km az=172.0.
CNRM Error ellipse: s-maj=7.8km s-min=2.9km az=168.0.
ISC IX 27 19 53 08.5–1.1 35.46N–.02 3.64W–.03 13–10 89 0-8
SFS IX 27 19 53 08.0 35.46N 3.70W 0 2.7L,2.6 **¶621117474**
CNRM IX 27 19 53 07.2–.84 35.64N 3.60W 25–4 2.7L,2.6
INMG IX 27 19 53 09.6–1.2 35.46N 3.61W 4–6 1.9L,2.6
MDD IX 27 19 53 09.3–.43 35.45N 3.61W 0 2.5,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=7.0km s-min=2.9km az=12.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=107.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=30.0.
ISC IX 29 11 25 07.9–1.1 35.52N–.02 3.61W–.03 16–10 46 0-5
CNRM IX 29 11 25 07.4–.75 35.61N 3.63W 18–3 **¶621883450**
MDD IX 29 11 25 07.9–.54 35.53N 3.69W 6 2.6
INMG IX 29 11 25 09.9–2.0 35.47N 3.60W 17–13 2.2L
ISC Event type ke.
CNRM Error ellipse: s-maj=5.6km s-min=3.1km az=11.0.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=44.0.
INMG Event type ke. Error ellipse: s-maj=7.6km s-min=6.0km az=112.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 28 17 04 17.5–.00 35.53N–.02 3.65W–.02 16–8 172 0-7
MDD IX 28 17 04 17.1–.34 35.54N 3.70W 0–2 2.9 **¶621112126**
SFS IX 28 17 04 17.0 35.51N 3.68W 12 3.4L,3.2L
INMG IX 28 17 04 17.9–1.6 35.55N 3.63W 5–5 2.6L,3.2L
CNRM IX 28 17 04 18.8–.54 35.49N 3.61W 26–4 2.6L,3.2L
IGIL IX 28 17 04 19.4 35.54N 3.70W 0 2.6L,3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=168.0.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=141.0. #DIST_RANGE: LOCAL #IPMA_REGION: Alboran.
CNRM Error ellipse: s-maj=4.3km s-min=3.0km az=37.0.
ISC IX 30 06 50 54.6–1.1 35.55N–.03 3.65W–.03 24–12 26 0-4
CNRM IX 30 06 50 53.1–1.3 35.65N 3.62W 25–7 **¶625199323**
MDD IX 30 06 50 55.0–.80 35.59N 3.68W 2 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=11.3km s-min=6.0km az=16.0.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=3.2km az=48.0.
ISC IX 29 21 27 20.6–.92 35.45N–.02 3.60W–.02 29–9 174 0-7
CNRM IX 29 21 27 20.4–.86 35.46N 3.59W 24–6 **¶621113104**
INMG IX 29 21 27 21.7–1.5 35.48N 3.57W 20–5 2.4L
MDD IX 29 21 27 21.6–.35 35.46N 3.58W 17–3 3.0
IGIL IX 29 21 27 21.8 35.46N 3.58W 17 3.0
SFS IX 29 21 27 21.5 35.44N 3.58W 18 3.5L,3.2L
ISC Event type ke.
CNRM Error ellipse: s-maj=8.1km s-min=3.9km az=14.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=138.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=155.0.
ISC IX 29 23 33 32.8–1.1 35.44N–.02 3.63W–.03 18–9 63 0-4
MDD IX 29 23 33 33.6–.62 35.45N 3.63W 14–7 2.5 **¶621117482**
SFS IX 29 23 33 33.1 35.45N 3.71W 5 2.6L,2.4
CNRM IX 29 23 33 33.0–.81 35.45N 3.59W 26–4 2.6L,2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=4.3km az=163.0.
CNRM Error ellipse: s-maj=8.0km s-min=4.0km az=0.0.
ISC IX 30 00 53 23.2–1.1 35.51N–.03 3.71W–.03 10–10 33 0-4
MDD IX 30 00 53 23.6–.89 35.46N 3.74W 4–6 2.7 **¶625199317**
CNRM IX 30 00 53 24.1–.95 35.54N 3.65W 23–5 2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=53.0.
CNRM Error ellipse: s-maj=7.9km s-min=3.5km az=7.0.
ISC IX 30 18 15 57.2–1.0 35.51N–.02 3.64W–.02 17–8 101 0-5
CNRM IX 30 18 15 55.6–.52 35.64N 3.58W 22–3 **¶621117484**
SFS IX 30 18 15 56.7 35.49N 3.71W 0 2.8L,2.7
MDD IX 30 18 15 57.9–.60 35.48N 3.64W 12–6 2.5,2.7
INMG IX 30 18 15 59.0–1.8 35.53N 3.68W 12–11 2.0L,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=3.8km s-min=2.2km az=24.0.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=143.0.
INMG Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=110.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC X 02 22 26 18.4–.97 35.44N–.02 3.59W–.02 29–10 139 0-6
SFS X 02 22 26 18.7 35.44N 3.62W 17 3.0L,2.9L **¶621253972**
CNRM X 02 22 26 18.3–.56 35.51N 3.60W 27–5 3.0L,2.9L
MDD X 02 22 26 19.7–.41 35.41N 3.58W 23–4 2.8,2.9L
INMG X 02 22 26 19.6–1.6 35.45N 3.58W 20–6 2.2L,2.9L
IGIL X 02 22 26 19.5 35.41N 3.58W 23 2.2L,2.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=4.4km s-min=3.5km az=174.0.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.1km az=163.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=126.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.
ISC X 02 07 47 06.4–1.5 35.53N–.03 3.63W–.03 13–12 60 0-5
MDD X 02 07 47 05.5–.49 35.40N 3.72W 13–4 2.5 **¶624814765**
CNRM X 02 07 47 06.4–.96 35.57N 3.63W 14–8 2.5
INMG X 02 07 47 08.3–1.5 35.41N 3.55W 23–6 2.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=158.0.
CNRM Error ellipse: s-maj=7.8km s-min=5.4km az=168.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=118.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC IX 30 21 21 38.7–1.1 35.53N–.02 3.67W–.03 10–9 50 0-5
CNRM IX 30 21 21 38.6–.46 35.61N 3.61W 25–3 **¶621883451**
INMG IX 30 21 21 39.8–1.8 35.54N 3.65W 2–9 1.9L
MDD IX 30 21 21 39.6–.46 35.56N 3.66W 0 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=2.0km az=17.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=5.7km az=25.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=36.0.
ISC X 03 15 54 15.4–1.3 35.44N–.04 3.63W–.04 27–14 17 0-2
MDD X 03 15 54 17.2–.98 35.47N 3.60W 27–13 2.5 **¶625199435**
CNRM X 03 15 54 18.1–.70 35.30N 3.56W 27–6 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.8km s-min=8.7km az=138.0.
CNRM Error ellipse: s-maj=7.8km s-min=3.1km az=165.0.
ISC X 05 17 00 23.2–1.1 35.56N–.02 3.64W–.03 10–10 34 0-4
CNRM X 05 17 00 22.4–.80 35.65N 3.60W 13–3 **¶625199536**
MDD X 05 17 00 25.4–.63 35.44N 3.59W 30 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=5.6km s-min=3.2km az=9.0.
MDD Event type ke. Error ellipse: s-maj=6.3km s-min=3.0km az=42.0.
ISC X 05 00 25 46.7–.97 35.43N–.02 3.63W–.02 27–10 155 0-7
CNRM X 05 00 25 46.8–.33 35.40N 3.60W 32–2 **¶621253976**
SFS X 05 00 25 47.1 35.44N 3.64W 14 3.1L,3.1
MDD X 05 00 25 48.5–.43 35.58N 3.69W 0 2.7,3.1
IGIL X 05 00 25 48.4 35.58N 3.69W 1 2.7,3.1
INMG X 05 00 25 48.2–1.5 35.45N 3.70W 12–6 2.2L,3.1
ISC Event type ke.
CNRM Error ellipse: s-maj=2.5km s-min=2.2km az=5.0.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=157.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=138.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 06 16 10 23.5–1.0 35.55N–.03 3.56W–.04 31–11 22 0-1
CNRM X 06 16 10 21.7–1.3 35.69N 3.52W 12–4 **¶625199579**
MDD X 06 16 10 22.9–1.2 35.42N 3.61W 25–14 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=9.3km s-min=4.1km az=172.0.
MDD Event type ke. Error ellipse: s-maj=11.4km s-min=7.4km az=91.0.
ISC X 06 06 08 41.4–1.1 36.46N–.03 7.72W–.02 54–12 280 1-7
CNRM X 06 06 08 41.7–.19 36.35N 7.72W 44–24 **¶621126154**
IGIL X 06 06 08 43.8 36.51N 7.75W 24 3.3L
SFS X 06 06 08 43.3 36.47N 7.75W 40 4.3b,4.2L
MDD X 06 06 08 43.7–.30 36.49N 7.75W 31–6 3.9,4.2L
INMG X 06 06 08 44.0–1.8 36.50N 7.75W 26–4 3.6L,4.2L
ISC Event type ke.
CNRM Error ellipse: s-maj=2.3km s-min=2.0km az=25.0.
IGIL Event type se. Presumed earthquake.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=1.6km az=47.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=47.0. #DIST_RANGE: LOCAL #IPMA_REGION: Golfo de Cadiz #FELT: III (MM56) at Tavira (Faro).
ISC X 06 18 22 03.5–1.0 35.49N–.03 3.60W–.03 25–11 43 0-5
CNRM X 06 18 22 00.5–.71 35.67N 3.59W 11–3 **¶624814783**
MDD X 06 18 22 03.6–.69 35.43N 3.61W 25–10 2.6
INMG X 06 18 22 04.3–2.1 35.44N 3.57W 28–15 1.8L
ISC Event type ke.
CNRM Error ellipse: s-maj=5.1km s-min=2.6km az=11.0.
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=5.6km az=134.0.
INMG Event type ke. Error ellipse: s-maj=8.6km s-min=5.4km az=108.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM X 09 07 25 44.4–1.1 35.43N 3.59W 9–5 ¶635806519
CNRM Error ellipse: s-maj=9.9km s-min=3.5km az=168.0.
ISC X 06 15 39 09.3–1.0 35.50N–.02 3.61W–.02 23–12 93 0-5
CNRM X 06 15 39 07.8–.86 35.60N 3.59W 10–4 **¶621253978**
MDD X 06 15 39 09.3–.52 35.40N 3.64W 19–5 2.6
SFS X 06 15 39 09.4 35.44N 3.67W 12 2.7L,2.6
INMG X 06 15 39 10.2–1.9 35.46N 3.60W 19–8 2.2L,2.6
IGIL X 06 15 39 11.3 35.40N 3.64W 19 2.2L,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=6.0km s-min=3.7km az=17.0.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=126.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=120.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.
ISC X 07 00 51 04.5–1.1 35.48N–.02 3.62W–.02 28–12 56 0-4
MDD X 07 00 51 03.9–.83 35.46N 3.70W 8–7 2.1 **¶625199603**
CNRM X 07 00 51 03.1–.62 35.65N 3.57W 23–3 2.1
SFS X 07 00 51 05.3 35.46N 3.64W 11 2.5L,2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=134.0.
CNRM Error ellipse: s-maj=4.8km s-min=2.8km az=17.0.
ISC X 08 00 16 40.6–1.1 36.69N–.03 7.04W–.02 35 150 1-6
CNRM X 08 00 16 39.2–1.3 36.53N 7.32W 18–9 **¶621253982**
MDD X 08 00 16 40.4–.40 36.66N 7.07W 16–2 2.7
SFS X 08 00 16 41.6 36.67N 7.04W 30 2.5L,2.5
IGIL X 08 00 16 42.2 36.67N 7.04W 32 1.8L,2.5
INMG X 08 00 16 42.5–1.6 36.67N 7.04W 31–9 2.0L,2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=6.2km s-min=2.9km az=61.0.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=22.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=179.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Golfo de Cadiz.
ISC X 08 09 57 59.1–1.4 35.53N–.02 3.61W–.03 18–6 36 0-5
CNRM X 08 09 57 58.2–.33 35.61N 3.60W 25–2 **¶625199711**
MDD X 08 09 57 59.9–.74 35.41N 3.69W 16–9 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=2.7km s-min=1.4km az=16.0.
MDD Event type ke. Error ellipse: s-maj=8.5km s-min=5.0km az=162.0.
CNRM X 09 04 31 41.4–1.7 35.59N 3.58W 27–5 ¶635806518
CNRM Error ellipse: s-maj=14.5km s-min=5.0km az=173.0.
ISC X 09 04 42 15.1–1.1 35.52N–.02 3.64W–.02 9–10 118 0-6
CNRM X 09 04 42 10.6–.59 35.84N 3.50W 5–2 **¶621253987**
MDD X 09 04 42 15.4–.40 35.46N 3.69W 0 2.7
SFS X 09 04 42 15.3 35.44N 3.67W 5 2.9L,2.9L
INMG X 09 04 42 16.8–2.0 35.43N 3.61W 21–12 2.1L,2.9L
IGIL X 09 04 42 17.3 35.47N 3.75W 3 2.1L,2.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=2.5km az=21.0.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=21.0.
INMG Event type ke. Error ellipse: s-maj=8.8km s-min=6.6km az=135.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.
ISC X 07 09 37 43.6–1.2 35.73N–.03 4.60W–.02 108–6 165 1-7
CNRM X 07 09 37 44.5–.42 35.64N 4.63W 103–4 **¶621253981**
MDD X 07 09 37 46.4–.36 35.76N 4.64W 95–4 2.8b
INMG X 07 09 37 46.9–1.7 35.80N 4.65W 82–4 2.9L
SFS X 07 09 37 46.2 35.73N 4.61W 90 3.2L,3.1
IGIL X 07 09 37 46.4 35.73N 4.70W 23 2.8L,3.1
ISC Event type ke.
CNRM Error ellipse: s-maj=4.6km s-min=2.4km az=22.0.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=152.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=157.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
MDD X 09 07 26 07.0–.68 36.75N 2.93W 0 1.5 ¶625199790
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=2.5km az=175.0.
ISC X 09 12 42 34.5–.97 35.48N–.02 3.62W–.02 28–10 146 0-7
CNRM X 09 12 42 34.0–.60 35.53N 3.59W 23–5 **¶621253988**
MDD X 09 12 42 35.4–.44 35.45N 3.59W 14–4 2.7
INMG X 09 12 42 35.9–1.8 35.48N 3.53W 29–8 2.3L
SFS X 09 12 42 35.3 35.46N 3.61W 21 3.1L,3.0
IGIL X 09 12 42 35.5 35.45N 3.59W 14 3.1L,3.0
ISC Event type ke.
CNRM Error ellipse: s-maj=4.7km s-min=3.1km az=14.0.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=157.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=114.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.
ISC X 09 04 50 03.4–1.0 35.52N–.02 3.62W–.02 17–8 86 0-5
CNRM X 09 04 50 03.1–.60 35.56N 3.58W 26–4 **¶624814788**
INMG X 09 04 50 04.4–1.8 35.48N 3.63W 6 2.1L
SFS X 09 04 50 04.3 35.47N 3.68W 12 2.8L,2.7L
MDD X 09 04 50 06.2–.62 35.56N 3.49W 0 2.4,2.7L
ISC Event type ke.
CNRM Error ellipse: s-maj=5.0km s-min=3.2km az=30.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=50.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=39.0.
ISC X 10 13 06 30.3–1.2 35.49N–.03 3.70W–.03 2–11 42 0-5
CNRM X 10 13 06 29.0–.78 35.68N 3.65W 18–3 **¶625199926**
MDD X 10 13 06 31.7–.66 35.42N 3.64W 0 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=5.5km s-min=2.8km az=14.0.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.0km az=31.0.
ISC X 10 05 33 18.2–1.0 35.48N–.02 3.65W–.02 13–9 154 0-5
CNRM X 10 05 33 17.7–.56 35.55N 3.60W 15–3 **¶624814798**
SFS X 10 05 33 18.9 35.46N 3.64W 15 2.9L,2.8L
INMG X 10 05 33 19.9–1.7 35.47N 3.65W 13–7 2.2L,2.8L
MDD X 10 05 33 19.0–.42 35.43N 3.64W 5–3 2.6,2.8L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=3.1km az=77.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=131.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=149.0.

ISC X 10 05 57 13.3–1.1 35.50N–.02 3.61W–.03 15–9 67 0-6
CNRM X 10 05 57 12.9–.56 35.56N 3.56W 22–4 **¶624814799**
MDD X 10 05 57 13.2–.54 35.46N 3.68W 1–5 2.5
INMG X 10 05 57 14.1–1.4 35.48N 3.61W 5 2.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=4.1km s-min=3.4km az=17.0.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=150.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=86.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 12 15 06 11.3–.97 35.44N–.03 3.59W–.03 31–9 38 0-5
CNRM X 12 15 06 09.7–.62 35.56N 3.62W 31–4 **¶624814809**
INMG X 12 15 06 10.6–2.1 35.55N 3.62W 0–8 2.3L
MDD X 12 15 06 12.1–.66 35.63N 3.52W 0 2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=5.9km s-min=4.1km az=35.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=5.0km az=38.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=6.7km s-min=2.9km az=52.0.
ISC X 10 15 30 56.7–1.0 35.43N–.03 3.62W–.02 27–11 107 0-8
MDD X 10 15 30 56.8–.52 35.43N 3.63W 9–4 2.6 **¶624814802**
SFS X 10 15 30 56.8 35.45N 3.65W 14 2.9L,2.8L
CNRM X 10 15 30 56.8–.62 35.43N 3.61W 25–4 2.9L,2.8L
INMG X 10 15 30 57.1–1.6 35.45N 3.65W 12–7 2.1L,2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=155.0.
CNRM Error ellipse: s-maj=6.2km s-min=3.2km az=14.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=126.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 11 13 16 50.9–1.2 35.53N–.02 3.63W–.03 8–10 46 0-5
CNRM X 11 13 16 48.9–.81 35.69N 3.58W 11–3 **¶624814803**
INMG X 11 13 16 51.9–1.4 35.57N 3.60W 0 2.0L
MDD X 11 13 16 52.5–.51 35.61N 3.57W 0 2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=5.8km s-min=3.5km az=18.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=39.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type se. Error ellipse: s-maj=4.9km s-min=2.6km az=51.0.
ISC X 11 13 23 50.9–1.0 35.54N–.02 3.59W–.02 13–9 70 0-5
CNRM X 11 13 23 48.4–.98 35.69N 3.61W 12–4 **¶624814804**
SFS X 11 13 23 51.8 35.50N 3.63W 6 2.9L,2.8
INMG X 11 13 23 52.7–1.6 35.60N 3.53W 0 2.1L,2.8
MDD X 11 13 23 53.1–.52 35.56N 3.55W 0 2.7,2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=7.0km s-min=4.2km az=17.0.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=3.4km az=66.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=2.7km az=46.0.
ISC X 19 23 47 49.0–1.6 35.49N–.03 3.63W–.03 18–6 75 0-6
MDD X 19 23 47 48.6–.47 35.51N 3.63W 0–3 2.6 **¶621254017**
CNRM X 19 23 47 48.0–.76 35.57N 3.58W 16–4 2.6
INMG X 19 23 47 48.8–1.6 35.55N 3.59W 2 2.1L
IGIL X 19 23 47 49.3 35.51N 3.63W 0 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=51.0.
CNRM Error ellipse: s-maj=5.9km s-min=4.1km az=16.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=30.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
ISC X 13 14 38 40.4–1.2 35.67N–.03 6.00W–.03 35 83 1-5
MDD X 13 14 38 39.8–.85 35.59N 5.98W 25–7 2.4 **¶621253999**
CNRM X 13 14 38 39.7–.79 35.48N 6.22W 29–7 2.4
IGIL X 13 14 38 41.2 35.59N 5.98W 30 1.6L
SFS X 13 14 38 41.4 35.64N 5.97W 40 2.7L,2.7
INMG X 13 14 38 42.3–1.2 35.64N 5.99W 42 1.8L,2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=3.3km az=169.0.
CNRM Error ellipse: s-maj=6.5km s-min=3.6km az=43.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Tanger.
ISC X 17 22 18 16.0–1.0 35.53N–.02 3.63W–.02 9–9 115 0-5
MDD X 17 22 18 17.5–.41 35.47N 3.65W 4–2 2.3 **¶624814828**
SFS X 17 22 18 17.9 35.45N 3.63W 14 2.9L,2.6L
INMG X 17 22 18 17.3–1.8 35.46N 3.67W 4 1.8L,2.6L
CNRM X 17 22 18 17.1–.67 35.51N 3.61W 21–5 1.8L,2.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=2.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=28.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=3.8km s-min=3.2km az=63.0.
ISC X 19 18 46 58.3–1.0 35.50N–.04 3.60W–.03 25–12 28 0-5
CNRM X 19 18 46 57.6–.87 35.55N 3.59W 26–5 **¶624814837**
MDD X 19 18 46 58.7–.79 35.53N 3.60W 30 2.7
INMG X 19 18 46 59.2–1.1 35.47N 3.64W 12 2.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=7.8km s-min=4.2km az=14.0.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=3.3km az=48.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=179.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 15 02 06 52.7–1.1 35.48N–.02 3.60W–.02 20–5 111 0-5
CNRM X 15 02 06 49.7–.52 35.66N 3.55W 12–3 **¶624814813**
MDD X 15 02 06 52.6–.48 35.43N 3.60W 5–4 2.5
SFS X 15 02 06 52.8 35.45N 3.60W 13 2.6L,2.5
INMG X 15 02 06 52.9–1.5 35.44N 3.57W 9–7 2.0L,2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=3.3km az=11.0.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=146.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 15 11 39 09.3–1.1 35.50N–.02 3.60W–.02 23–12 84 0-5
CNRM X 15 11 39 07.5–.67 35.63N 3.58W 14–3 **¶624814814**
MDD X 15 11 39 09.5–.42 35.52N 3.61W 4–2 2.5
INMG X 15 11 39 09.4–2.0 35.46N 3.61W 8–8 2.2L
ISC Event type ke.
CNRM Error ellipse: s-maj=4.8km s-min=3.2km az=31.0.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=17.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=4.7km az=117.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 25 23 54 29.1–1.2 35.50N–.02 3.67W–.03 10–11 81 0-5
MDD X 25 23 54 29.8–.77 35.52N 3.66W 10 2.5 **¶624814870**
SFS X 25 23 54 30.4 35.45N 3.65W 13 2.7L,2.7L
INMG X 25 23 54 31.4–1.7 35.45N 3.54W 28–29 1.9L,2.7L
CNRM X 25 23 54 31.7–.48 35.48N 3.76W 27–3 1.9L,2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=3.3km az=39.0.
INMG Event type ke. Error ellipse: s-maj=18.6km s-min=4.7km az=87.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=3.9km s-min=3.0km az=54.0.
ISC X 20 01 46 34.1–.93 35.46N–.03 3.59W–.02 28–8 3.9b 292 0-63
IDC X 20 01 46 30.2–2.5 35.36N 3.75W 0 3.7b,3.6 **¶621221482**
IGIL X 20 01 46 32.6 35.37N 3.60W 0 3.0L,3.6
SFS X 20 01 46 34.2 35.47N 3.60W 11 4.3b,4.0L
CNRM X 20 01 46 34.2–.35 35.42N 3.59W 25–2 4.3b,4.0L
MDD X 20 01 46 34.6–.31 35.37N 3.60W 24–3 3.5,4.0L
INMG X 20 01 46 35.2–1.6 35.46N 3.61W 23–4 3.1L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=17.5km az=63.0.
IGIL Event type se. Presumed earthquake.
CNRM Error ellipse: s-maj=2.8km s-min=2.2km az=46.0.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=1.4km az=162.0.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=143.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 22 02 44 58.4–1.5 35.51N–.02 3.62W–.02 12–12 108 0-5
CNRM X 22 02 44 59.0–.48 35.53N 3.64W 25–3 **¶624814850**
MDD X 22 02 44 59.8–.49 35.47N 3.62W 5–4 2.6
SFS X 22 02 44 59.5 35.47N 3.65W 13 2.9L,2.8
INMG X 22 02 45 00.7–1.8 35.45N 3.58W 18–8 2.1L,2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=3.6km s-min=2.8km az=51.0.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=149.0.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 23 19 54 01.8–1.0 35.45N–.02 3.63W–.02 18–5 4.0b 268 0-142
IDC X 23 19 54 00.6–.74 35.42N 3.41W 0 4.0b,3.9 **¶621238012**
NEIC X 23 19 54 01.1–1.4 35.40N–.06 3.47W–.02 10–1 4.2b,3.9
MDD X 23 19 54 02.4–.57 35.41N 3.66W 8–5 3.7,3.9
SFS X 23 19 54 02.9 35.46N 3.57W 14 4.1L,4.0L
IGIL X 23 19 54 02.5 35.41N 3.66W 4 3.3L,4.0L
CNRM X 23 19 54 02.1–.51 35.47N 3.58W 21–4 3.3L,4.0L
INMG X 23 19 54 03.3–1.6 35.44N 3.75W 9–7 3.4L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=9.5km az=103.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=3.0km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=3.1km az=174.0.
IGIL Event type se. Presumed earthquake.
CNRM Error ellipse: s-maj=3.8km s-min=3.0km az=41.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=136.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 20 11 15 27.6–1.2 35.45N–.02 3.62W–.03 25–13 81 0-5
MDD X 20 11 15 27.9–.48 35.46N 3.64W 14–5 2.6 **¶624814842**
CNRM X 20 11 15 27.3–.38 35.47N 3.68W 30–2 2.6
INMG X 20 11 15 28.1–2.0 35.48N 3.61W 16–9 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=149.0.
CNRM Error ellipse: s-maj=3.5km s-min=2.1km az=20.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=112.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 21 02 59 05.2–1.1 35.49N–.03 3.62W–.02 15–8 275 0-63
CNRM X 21 02 59 05.5–.44 35.46N 3.57W 26–3 **¶621229649**
SFS X 21 02 59 06.0 35.45N 3.62W 11 4.3b,3.9L
IDC X 21 02 59 05.8–2.9 35.57N 3.49W 0 3.7b,3.6
IGIL X 21 02 59 05.8 35.40N 3.61W 10 2.9L,3.6
MDD X 21 02 59 06.1–.32 35.40N 3.61W 23–3 3.5,3.6
INMG X 21 02 59 06.7–1.5 35.42N 3.58W 31–8 3.1L,3.6
ISC Event type ke.
CNRM Error ellipse: s-maj=2.9km s-min=2.7km az=106.0.
IDC Error ellipse: s-maj=42.5km s-min=18.6km az=57.0.
IGIL Event type se. Presumed earthquake.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=1.4km az=164.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=173.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 21 12 25 58.4–1.1 35.56N–.02 3.55W–.02 11–9 124 0-7
CNRM X 21 12 25 56.5–.54 35.70N 3.55W 3–3 **¶621235414**
MDD X 21 12 26 00.9–.46 35.46N 3.55W 22–5 3.2
SFS X 21 12 26 00.0 35.48N 3.60W 8 3.7L,3.7L
INMG X 21 12 26 01.2–2.2 35.52N 3.52W 19–11 2.8L,3.7L
IGIL X 21 12 26 01.3 35.46N 3.55W 22 2.8L,3.7L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.6km s-min=2.3km az=164.0.
MDD Event type ke. Error ellipse: s-maj=5.7km s-min=3.0km az=169.0.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=5.1km az=122.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
ISC X 24 18 26 02.5–1.2 35.59N–.03 3.63W–.03 6–11 29 0-5
CNRM X 24 18 25 59.9–.84 35.78N 3.58W 11–3 **¶625201004**
MDD X 24 18 26 03.4–.90 35.48N 3.69W 10 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=5.8km s-min=3.1km az=14.0.
MDD Event type ke. Error ellipse: s-maj=9.3km s-min=3.8km az=36.0.
ISC X 23 13 57 23.9–.95 35.44N–.02 3.61W–.02 28–9 93 0-6
CNRM X 23 13 57 22.7–.46 35.51N 3.60W 29–4 **¶624814858**
MDD X 23 13 57 23.6–.79 35.43N 3.69W 8–8 2.8
SFS X 23 13 57 24.3 35.45N 3.63W 12 2.9L,2.8L
INMG X 23 13 57 25.0–2.0 35.48N 3.66W 14–14 2.2L,2.8L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.3km s-min=3.2km az=154.0.
MDD Event type ke. Error ellipse: s-maj=8.1km s-min=5.4km az=159.0.
INMG Event type ke. Error ellipse: s-maj=8.5km s-min=5.0km az=100.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 24 01 00 43.2–1.2 35.44N–.02 3.70W–.03 7–11 68 0-7
CNRM X 24 01 00 42.7–.61 35.56N 3.65W 35–3 **¶624814862**
INMG X 24 01 00 44.6–1.5 35.43N 3.67W 0–8 2.1L
MDD X 24 01 00 45.1–.40 35.49N 3.66W 0 2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=4.7km s-min=3.3km az=31.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=110.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=44.0.
ISC X 26 19 49 24.5–.97 35.52N–.03 3.56W–.03 28–10 44 0-5
CNRM X 26 19 49 21.7–1.0 35.72N 3.56W 8–4 **¶625201203**
SFS X 26 19 49 24.4 35.44N 3.63W 17 2.6L,2.6
MDD X 26 19 49 26.6–.75 35.55N 3.45W 30 2.4,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=6.8km s-min=3.6km az=12.0.
MDD Event type ke. Error ellipse: s-maj=10.8km s-min=3.4km az=52.0.
ISC X 27 15 31 36.0–1.0 35.43N–.02 3.63W–.02 25–11 152 0-7
MDD X 27 15 31 35.6–.43 35.46N 3.68W 2–2 2.9 **¶621242201**
CNRM X 27 15 31 35.3–1.0 35.51N 3.54W 20–7 2.9
INMG X 27 15 31 35.7–1.9 35.50N 3.70W 2 2.5L
SFS X 27 15 31 36.3 35.44N 3.61W 17 3.3L,3.3
IGIL X 27 15 31 36.6 35.46N 3.68W 2 2.6L,3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=5.0.
CNRM Error ellipse: s-maj=7.8km s-min=4.6km az=10.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=4.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.
ISC X 28 09 39 16.9–.99 35.48N–.03 3.62W–.03 23–6 39 0-3
CNRM X 28 09 39 13.2–.63 35.70N 3.59W 16–2 **¶625201322**
MDD X 28 09 39 18.0–1.0 35.47N 3.61W 21–12 2.5
SFS X 28 09 39 18.7 35.46N 3.51W 28 2.4L,2.4L
ISC Event type ke.
CNRM Error ellipse: s-maj=4.3km s-min=2.5km az=18.0.
MDD Event type ke. Error ellipse: s-maj=9.8km s-min=8.5km az=144.0.
ISC X 27 22 11 58.2–1.0 35.52N–.03 3.60W–.03 26–11 86 0-7
CNRM X 27 22 11 57.8–.87 35.55N 3.61W 22–6 **¶624814874**
SFS X 27 22 11 59.5 35.49N 3.56W 30 3.0L,2.9
INMG X 27 22 12 00.5–1.4 35.52N 3.79W 11–7 2.2L,2.9
ISC Event type ke.
CNRM Error ellipse: s-maj=6.9km s-min=4.9km az=6.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=121.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC X 28 22 05 31.4–1.1 35.52N–.02 3.75W–.02 1–10 93 0-5
CNRM X 28 22 05 30.0–.72 35.68N 3.66W 11–3 **¶624814875**
MDD X 28 22 05 32.4–.38 35.47N 3.72W 0 2.5
SFS X 28 22 05 32.4 35.49N 3.70W 5 2.8L,2.8
INMG X 28 22 05 32.9–.95 35.48N 3.69W 3 1.6L,2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=5.1km s-min=3.2km az=16.0.

MDD Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=20.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 28 15 10 23.4–1.2 35.52N–.03 3.63W–.04 15–10 24 0-3
CNRM X 28 15 10 20.6–.83 35.71N 3.63W 13–3 **¶625201337**
MDD X 28 15 10 24.7–1.3 35.46N 3.59W 15–13 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=5.8km s-min=3.7km az=16.0.
MDD Event type ke. Error ellipse: s-maj=10.8km s-min=6.1km az=81.0.
ISC X 30 16 55 12.2–1.2 35.50N–.03 3.53W–.03 10–10 34 0-5
CNRM X 30 16 55 13.1–.86 35.58N 3.61W 25–5 **¶624814883**
MDD X 30 16 55 15.0–.88 35.44N 3.65W 14–9 2.5
INMG X 30 16 55 15.4–1.5 35.43N 3.63W 14–12 2.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=8.3km s-min=3.4km az=14.0.
MDD Event type ke. Error ellipse: s-maj=8.7km s-min=6.1km az=2.0.
INMG Event type ke. Error ellipse: s-maj=7.6km s-min=6.1km az=123.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 29 00 54 04.9–.98 35.50N–.02 3.67W–.02 26–10 116 0-6
MDD X 29 00 54 03.8–.40 35.49N 3.76W 0 2.6 **¶621254031**
SFS X 29 00 54 04.9 35.50N 3.70W 11 2.8L,2.8L
CNRM X 29 00 54 05.0–.47 35.48N 3.65W 26–4 2.8L,2.8L
INMG X 29 00 54 05.9–1.8 35.51N 3.64W 20 2.2L,2.8L
IGIL X 29 00 54 05.6 35.49N 3.76W 0 1.9L,2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=37.0.
CNRM Error ellipse: s-maj=3.6km s-min=2.8km az=71.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=26.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
ISC X 29 01 42 00.8–1.2 35.55N–.02 3.60W–.02 13–9 110 0-5
CNRM X 29 01 42 01.0–.63 35.63N 3.65W 24–5 **¶624814876**
SFS X 29 01 42 02.9 35.50N 3.70W 8 3.0L,2.9
MDD X 29 01 42 04.9–.58 35.65N 3.57W 0 2.5,2.9
INMG X 29 01 42 05.2–1.8 35.53N 3.60W 34 2.1L,2.9
ISC Event type ke.
CNRM Error ellipse: s-maj=4.9km s-min=3.3km az=55.0.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=57.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=54.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC X 29 15 14 03.8–1.2 35.50N–.02 3.64W–.02 4–10 86 0-5
SFS X 29 15 14 05.9 35.52N 3.68W 0 2.7L,2.6 **¶624814880**
CNRM X 29 15 14 05.8–.67 35.51N 3.65W 22–5 2.7L,2.6
MDD X 29 15 14 06.8–.58 35.46N 3.64W 14–6 2.5,2.6
INMG X 29 15 14 07.2–1.3 35.49N 3.60W 18 2.1L,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=4.8km s-min=4.1km az=32.0.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=144.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.6km az=28.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 29 15 28 42.2–1.1 35.48N–.02 3.62W–.02 19–3 106 0-5
CNRM X 29 15 28 42.4–.38 35.49N 3.64W 28–2 **¶624814881**
MDD X 29 15 28 43.8–.57 35.45N 3.62W 9–5 2.6
SFS X 29 15 28 43.5 35.48N 3.64W 13 3.1L,3.0L
INMG X 29 15 28 43.6–1.6 35.48N 3.63W 10 2.2L,3.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.2km s-min=2.7km az=20.0.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=143.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=3.1km az=135.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 29 15 31 30.2–1.5 35.46N–.02 3.65W–.02 20–7 83 0-5
CNRM X 29 15 31 29.1–.76 35.59N 3.64W 18–4 **¶624814882**
INMG X 29 15 31 31.0–1.4 35.47N 3.65W 6 2.1L
MDD X 29 15 31 31.7–.65 35.46N 3.63W 8–7 2.5
SFS X 29 15 31 31.7 35.47N 3.61W 17 3.1L,3.0
ISC Event type ke.
CNRM Error ellipse: s-maj=5.4km s-min=4.3km az=20.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=25.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=168.0.
ISC X 30 12 21 30.3–1.0 35.47N–.02 3.65W–.02 14–9 163 0-7
CNRM X 30 12 21 30.5–.57 35.47N 3.59W 22–5 **¶621244417**
MDD X 30 12 21 31.1–.42 35.48N 3.65W 1–3 3.0
IGIL X 30 12 21 31.4 35.48N 3.65W 1 3.0
SFS X 30 12 21 31.3 35.46N 3.62W 15 3.4L,3.3
INMG X 30 12 21 31.5–2.0 35.46N 3.63W 15–11 2.5L,3.3
ISC Event type ke.
CNRM Error ellipse: s-maj=4.0km s-min=3.7km az=51.0.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=155.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=4.8km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 28 18 54 57.8–1.0 35.52N–.02 3.65W–.02 25–11 83 0-6
CNRM X 28 18 54 56.3–.44 35.61N 3.67W 26–3 **¶621254030**
SFS X 28 18 54 58.4 35.49N 3.68W 11 3.1L,2.9L
INMG X 28 18 55 00.0–1.4 35.51N 3.82W 8–8 2.0L,2.9L
IGIL X 28 18 55 00.2 35.51N 3.82W 8 2.0L,2.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.2km s-min=2.5km az=175.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=4.3km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
ISC X 29 02 29 11.9–.96 35.49N–.02 3.66W–.02 26–10 146 0-6
MDD X 29 02 29 11.1–.34 35.45N 3.72W 0 2.7 **¶624814877**
SFS X 29 02 29 11.9 35.49N 3.69W 10 3.4L,3.2L
CNRM X 29 02 29 11.8–.47 35.49N 3.66W 26–4 3.4L,3.2L
INMG X 29 02 29 12.4–1.6 35.46N 3.68W 12 2.2L,3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=9.0.
CNRM Error ellipse: s-maj=3.4km s-min=3.0km az=139.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=12.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 29 04 25 18.0–1.0 35.52N–.02 3.64W–.02 22–5 68 0-5
CNRM X 29 04 25 16.2–.96 35.62N 3.65W 17–4 **¶624814878**
MDD X 29 04 25 17.7–.82 35.47N 3.74W 0 2.4
SFS X 29 04 25 18.6 35.49N 3.71W 12 2.8L,2.7
INMG X 29 04 25 18.5–1.6 35.49N 3.70W 5 1.9L,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=6.9km s-min=4.2km az=14.0.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=3.2km az=38.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=31.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 31 00 12 25.0–.00 35.49N–.03 3.59W–.02 25–11 127 0-7
CNRM X 31 00 12 23.6–.71 35.60N 3.57W 14–4 **¶621244534**
MDD X 31 00 12 25.5–.40 35.40N 3.58W 26–5 3.0
SFS X 31 00 12 25.7 35.47N 3.57W 18 3.3L,3.3L
INMG X 31 00 12 26.2–1.5 35.45N 3.55W 25–7 2.3L,3.3L
ISC Event type ke.
CNRM Error ellipse: s-maj=4.9km s-min=3.8km az=30.0.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.4km az=159.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 30 18 47 38.0–1.1 35.52N–.03 3.62W–.04 25–13 23 0-2
CNRM X 30 18 47 35.9–.88 35.66N 3.61W 18–4 **¶625201560**
MDD X 30 18 47 38.5–.80 35.49N 3.64W 25–3 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=6.3km s-min=3.5km az=14.0.
MDD Event type ke. Error ellipse: s-maj=8.2km s-min=5.0km az=29.0.
ISC XI 03 23 37 04.9–.97 35.50N–.02 3.60W–.02 27–10 112 0-5
SFS XI 03 23 37 03.7 35.49N 3.70W 2 2.9L,2.9L **¶621611830**
CNRM XI 03 23 37 04.3–.90 35.56N 3.58W 22–8 2.9L,2.9L
MDD XI 03 23 37 05.2–.39 35.41N 3.59W 28–6 2.5,2.9L
INMG XI 03 23 37 05.6–1.5 35.44N 3.55W 30–9 2.0L,2.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=8.0km s-min=4.5km az=172.0.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=146.0.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=146.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 03 04 31 51.2–1.2 35.51N–.02 3.65W–.02 21–3 103 0-5
MDD XI 03 04 31 50.6–.44 35.58N 3.66W 0 2.6 **¶621611829**
INMG XI 03 04 31 50.8–2.0 35.56N 3.71W 1 2.1L
CNRM XI 03 04 31 51.4–.49 35.46N 3.66W 30–4 2.1L
SFS XI 03 04 31 51.2 35.49N 3.68W 6 2.9L,2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=30.0.
INMG Event type ke. Error ellipse: s-maj=6.8km s-min=5.5km az=36.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
CNRM Error ellipse: s-maj=4.2km s-min=3.3km az=74.0.
ISC XI 03 04 56 32.6–1.1 35.55N–.04 3.62W–.04 25–14 13 0-1
CNRM XI 03 04 56 31.5–.46 35.61N 3.61W 22–2 **¶625201856**
MDD XI 03 04 56 32.8–1.1 35.54N 3.68W 21 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=4.2km s-min=1.7km az=14.0.
MDD Event type ke. Error ellipse: s-maj=14.1km s-min=5.6km az=47.0.
ISC X 31 03 24 56.8–1.1 35.55N–.03 3.63W–.03 9–10 66 0-5
CNRM X 31 03 24 56.0–.52 35.58N 3.62W 13–2 **¶624814886**
MDD X 31 03 24 58.0–.49 35.40N 3.62W 23–5 2.5
INMG X 31 03 24 58.7–1.1 35.46N 3.60W 20–4 2.2L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=2.8km az=17.0.
MDD Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=148.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=120.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 01 07 55 09.2–.83 36.91N–.03 3.74W–.02 14–5 40 0-3
SFS XI 01 07 55 09.6 36.92N 3.74W 4 2.4L,2.3 **¶621612037**
MDD XI 01 07 55 10.2–.35 36.91N 3.74W 0–4 2.5,2.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=179.0.
ISC X 31 04 14 56.3–.98 35.48N–.04 3.59W–.03 29–11 42 0-5
CNRM X 31 04 14 54.9–.68 35.57N 3.59W 18–2 **¶624814887**
MDD X 31 04 14 56.8–.53 35.44N 3.60W 27–6 2.5
INMG X 31 04 14 57.6–1.4 35.48N 3.53W 32–11 2.1L
ISC Event type ke.
CNRM Error ellipse: s-maj=5.5km s-min=1.9km az=169.0.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=134.0.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=116.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC X 31 20 26 54.1–1.2 35.53N–.03 3.66W–.03 8–10 69 0-5
CNRM X 31 20 26 52.4–1.9 35.72N 3.59W 7–10 **¶625201646**
MDD X 31 20 26 54.9–.66 35.44N 3.67W 4–6 2.4
SFS X 31 20 26 55.5 35.49N 3.63W 12 2.8L,2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=11.7km s-min=8.9km az=178.0.
MDD Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=132.0.
ISC XI 08 09 18 57.3–1.3 35.49N–.02 3.64W–.04 18–5 49 0-5
CNRM XI 08 09 18 55.9–.54 35.63N 3.61W 32–2 **¶624814911**
MDD XI 08 09 18 57.7–.55 35.57N 3.67W 0 2.7
INMG XI 08 09 19 02.6–1.1 35.52N 3.75W 31–*** 2.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=4.7km s-min=2.6km az=17.0.
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=43.0.
INMG Event type ke. Error ellipse: s-maj=8.5km s-min=8.5km az=0.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XI 06 13 30 07.1–1.0 35.60N–.02 3.60W–.02 10–9 85 0-5
CNRM XI 06 13 30 05.8–.60 35.65N 3.57W 11–4 **¶621611838**
MDD XI 06 13 30 08.2–.82 35.43N 3.66W 18–9 2.7
SFS XI 06 13 30 09.9 35.51N 3.54W 22 2.9L,2.8
INMG XI 06 13 30 09.0–1.5 35.51N 3.61W 21 2.1L,2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=4.1km s-min=3.2km az=62.0.
MDD Event type ke. Error ellipse: s-maj=9.0km s-min=6.6km az=168.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XI 06 13 33 17.0–1.0 35.50N–.02 3.69W–.03 23–12 69 0-5
SFS XI 06 13 33 15.2 35.49N 3.82W 0 2.7L,2.6 **¶621611839**
INMG XI 06 13 33 17.7–1.4 35.46N 3.67W 10 1.8L,2.6
CNRM XI 06 13 33 17.3–.60 35.52N 3.69W 21–7 1.8L,2.6
MDD XI 06 13 33 18.1–.73 35.46N 3.68W 13–9 2.7,2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=29.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=5.8km s-min=3.6km az=176.0.
MDD Event type ke. Error ellipse: s-maj=8.1km s-min=4.9km az=172.0.
ISC XI 04 04 47 44.6–1.0 35.51N–.02 4.54W–.02 35 153 1-7
CNRM XI 04 04 47 43.0–.31 35.31N 4.47W 107–3 **¶621261758**
MDD XI 04 04 47 44.4–.40 35.50N 4.53W 18 3.0
IGIL XI 04 04 47 44.7 35.50N 4.53W 18 2.6L
SFS XI 04 04 47 45.9 35.47N 4.52W 29 3.0L,3.0L
INMG XI 04 04 47 45.3–1.6 35.48N 4.56W 30–6 2.6L,3.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=2.3km s-min=2.1km az=40.0.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=134.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=88.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NW Al Hoceima (MARR).
ISC XI 04 19 49 23.1–.99 35.48N–.02 3.65W–.02 28–10 69 0-5
MDD XI 04 19 49 23.9–.61 35.55N 3.65W 3–4 2.5 **¶621611834**
SFS XI 04 19 49 23.7 35.49N 3.69W 9 2.6L,2.5
CNRM XI 04 19 49 23.0–.67 35.51N 3.66W 35–4 2.6L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=51.0.
CNRM Error ellipse: s-maj=5.9km s-min=3.3km az=24.0.
ISC XI 05 03 10 00.4–.98 35.43N–.02 3.63W–.02 25–10 119 0-6
MDD XI 05 03 10 00.5–.62 35.42N 3.67W 6–7 2.8 **¶621611837**
SFS XI 05 03 10 01.0 35.43N 3.61W 17 3.0L,3.0L
INMG XI 05 03 10 00.7–1.6 35.43N 3.66W 6–7 2.2L,3.0L
CNRM XI 05 03 10 00.5–.38 35.34N 3.66W 30–2 2.2L,3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.6km s-min=3.6km az=169.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=112.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=3.9km s-min=2.8km az=24.0.
ISC XI 05 15 02 07.2–1.2 35.51N–.03 3.69W–.03 10–10 28 0-2
CNRM XI 05 15 02 07.3–.59 35.65N 3.66W 24–3 **¶625202011**
MDD XI 05 15 02 09.4–.72 35.40N 3.62W 23–11 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=4.7km s-min=2.5km az=14.0.
MDD Event type ke. Error ellipse: s-maj=9.3km s-min=5.2km az=140.0.
ISC XI 07 04 45 49.0–1.1 35.48N–.02 3.64W–.02 14–9 164 0-8
CNRM XI 07 04 45 49.7–.23 35.48N 3.63W 27–1 **¶621608849**
SFS XI 07 04 45 49.6 35.50N 3.66W 0 3.5L,3.4L
MDD XI 07 04 45 49.8–.45 35.47N 3.66W 0–2 2.7,3.4L
IGIL XI 07 04 45 50.0 35.47N 3.66W 1 2.7,3.4L
INMG XI 07 04 45 50.1–1.6 35.47N 3.66W 3–3 2.4L,3.4L
ISC Event type ke.
CNRM Error ellipse: s-maj=1.5km s-min=1.3km az=90.0.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=178.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=1.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 08 17 32 11.2–1.2 35.48N–.03 3.50W–.03 25–13 28 0-5
CNRM XI 08 17 32 11.5–.85 35.53N 3.52W 28–4 **¶624814912**

MDD XI 08 17 32 12.2–.83 35.42N 3.61W 21–12 2.6
INMG XI 08 17 32 13.3–1.7 35.46N 3.54W 21–11 1.7L
ISC Event type ke.
CNRM Error ellipse: s-maj=8.3km s-min=4.1km az=15.0.
MDD Event type ke. Error ellipse: s-maj=10.5km s-min=6.4km az=148.0.
INMG Event type ke. Error ellipse: s-maj=8.7km s-min=7.0km az=112.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 09 15 27 48.7–1.2 36.48N–.03 4.53W–.03 89–6 104 0-5
CNRM XI 09 15 27 49.6–.86 36.43N 4.58W 31–7 **¶621611842**
SFS XI 09 15 27 50.3 36.46N 4.56W 82 2.5,2.5L
MDD XI 09 15 27 51.7–.53 36.50N 4.62W 83–6 2.6b,2.5L
INMG XI 09 15 27 51.6–1.5 36.53N 4.64W 77–4 2.0L,2.5L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.5km s-min=1.6km az=43.0.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=2.3km az=176.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=180.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Malaga (ESP).
ISC XI 08 15 53 19.1–1.4 35.55N–.04 3.59W–.03 19–3 21 0-4
CNRM XI 08 15 53 16.6–.80 35.71N 3.59W 11–3 **¶625202131**
MDD XI 08 15 53 20.9–.88 35.47N 3.54W 30 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=5.6km s-min=3.2km az=14.0.
MDD Event type ke. Error ellipse: s-maj=9.6km s-min=4.1km az=42.0.
ISC XI 08 23 03 56.6–1.4 35.45N–.02 3.66W–.02 12–11 99 0-6
MDD XI 08 23 03 57.8–.34 35.48N 3.68W 0 2.6 **¶621611841**
SFS XI 08 23 03 57.7 35.48N 3.69W 7 2.7L,2.6
INMG XI 08 23 03 57.9–1.7 35.48N 3.69W 2–7 2.0L,2.6
CNRM XI 08 23 03 57.5–.56 35.54N 3.63W 23–5 2.0L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=14.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=131.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=4.4km s-min=3.7km az=178.0.
ISC XI 11 18 41 18.7–.98 35.46N–.02 3.60W–.02 16–8 124 0-5
CNRM XI 11 18 41 18.5–.84 35.61N 3.57W 1–6 **¶621611848**
SFS XI 11 18 41 19.5 35.50N 3.60W 4 2.9L,2.8
MDD XI 11 18 41 19.7–.45 35.46N 3.59W 4–4 2.6,2.8
INMG XI 11 18 41 20.0–1.6 35.43N 3.58W 11 2.1L,2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=5.3km s-min=4.9km az=148.0.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=157.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=11.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 09 14 31 03.7–.00 35.47N–.03 3.61W–.03 27–10 27 0-5
CNRM XI 09 14 31 02.6–.53 35.56N 3.67W 27–3 **¶625202189**
MDD XI 09 14 31 04.6–.94 35.46N 3.60W 18–10 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=4.8km s-min=2.6km az=13.0.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=8.0km az=141.0.
ISC XI 10 21 47 56.4–.98 35.48N–.02 3.67W–.02 17–8 109 0-6
CNRM XI 10 21 47 55.8–.55 35.54N 3.67W 10–3 **¶621611845**
SFS XI 10 21 47 56.5 35.46N 3.67W 8 2.7L,2.7L
MDD XI 10 21 47 57.0–.58 35.45N 3.68W 7–5 2.6,2.7L
INMG XI 10 21 47 57.0–1.7 35.37N 3.66W 20 1.9L,2.7L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=3.2km az=30.0.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=143.0.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=19.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 09 18 00 08.6–1.4 35.50N–.02 3.65W–.02 6–11 88 0-5
CNRM XI 09 18 00 10.3–.46 35.48N 3.66W 27–3 **¶621611843**
SFS XI 09 18 00 10.8 35.46N 3.67W 12 2.7L,2.6
INMG XI 09 18 00 11.7–1.7 35.44N 3.62W 13–13 1.9L,2.6
MDD XI 09 18 00 11.5–.63 35.43N 3.66W 12–8 2.6,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=3.5km s-min=3.1km az=58.0.
INMG Event type ke. Error ellipse: s-maj=7.4km s-min=4.6km az=99.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=3.6km az=162.0.
ISC XI 11 03 54 36.0–.97 36.94N–.03 2.52W–.02 14–8 93 0-6
CNRM XI 11 03 54 36.0–.45 36.78N 2.43W 8 **¶624814923**
INMG XI 11 03 54 37.6–1.8 36.93N 2.45W 13–3 2.1L
MDD XI 11 03 54 37.4–.28 37.01N 2.51W 0 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=6.2km s-min=3.6km az=122.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=136.0. #DIST_RANGE: REGIONAL #IPMA_REGION: S Almeria (ESP).
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=156.0.
ISC XI 13 00 16 20.5–1.2 35.51N–.02 3.70W–.03 15–10 93 0-5
CNRM XI 13 00 16 20.4–.60 35.55N 3.71W 29–4 **¶621611850**
MDD XI 13 00 16 21.0–.46 35.51N 3.74W 4 2.4
INMG XI 13 00 16 21.2–1.7 35.54N 3.73W 4–4 1.7L
SFS XI 13 00 16 21.4 35.50N 3.69W 13 2.5L,2.4
ISC Event type ke.
CNRM Error ellipse: s-maj=5.3km s-min=3.5km az=27.0.
MDD Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=20.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=3.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XI 12 09 20 03.1–1.0 35.48N–.02 3.62W–.02 24–11 230 0-8
CNRM XI 12 09 20 03.2–.52 35.48N 3.58W 22–4 **¶621399805**
IGIL XI 12 09 20 03.7 35.47N 3.65W 5
SFS XI 12 09 20 03.4 35.49N 3.64W 8 4.1b,3.8L
MDD XI 12 09 20 03.3–.38 35.47N 3.65W 5–3 3.3,3.8L
INMG XI 12 09 20 04.1–2.0 35.48N 3.61W 19–6 3.1L,3.8L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.0km s-min=2.6km az=93.0.
IGIL Event type se. Presumed earthquake.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=160.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=108.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 14 07 52 55.1–1.2 35.50N–.02 3.67W–.02 9–10 120 0-5
CNRM XI 14 07 52 53.9–.74 35.69N 3.64W 9–4 **¶621611857**
MDD XI 14 07 52 55.9–.34 35.46N 3.64W 0 2.3
SFS XI 14 07 52 55.4 35.47N 3.69W 1 2.8L,2.7
INMG XI 14 07 52 57.2–1.6 35.48N 3.60W 15–6 2.1L,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=5.2km s-min=4.0km az=31.0.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=4.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=133.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 13 17 02 05.7–1.2 35.55N–.03 3.65W–.03 12–10 22 0-4
CNRM XI 13 17 02 04.6–.82 35.65N 3.65W 16–3 **¶625202385**
MDD XI 13 17 02 06.6–.86 35.51N 3.68W 10 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=5.8km s-min=3.2km az=13.0.
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=3.5km az=41.0.
ISC XI 14 03 51 29.9–1.0 35.51N–.02 3.66W–.02 13–9 165 0-7
CNRM XI 14 03 51 28.7–.46 35.62N 3.58W 13–2 **¶621608865**
MDD XI 14 03 51 30.3–.42 35.48N 3.66W 0–3 2.6
IGIL XI 14 03 51 30.7 35.48N 3.66W 0 2.6
SFS XI 14 03 51 30.3 35.49N 3.65W 6 3.0L,2.9
INMG XI 14 03 51 31.6–1.4 35.53N 3.70W 6 2.1L,2.9
ISC Event type ke.
CNRM Error ellipse: s-maj=3.3km s-min=2.2km az=43.0.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=154.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=131.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XI 14 17 24 14.6–1.3 35.51N–.04 3.61W–.05 16–11 16 0-2
MDD XI 14 17 24 14.2–1.7 35.47N 3.68W 13–10 2.5 **¶625202463**
CNRM XI 14 17 24 14.4–1.0 35.58N 3.59W 8 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.1km s-min=6.5km az=75.0.
CNRM Error ellipse: s-maj=7.4km s-min=2.6km az=168.0.
ISC XI 14 04 47 52.2–.00 35.42N–.02 3.62W–.03 28–11 85 0-7
CNRM XI 14 04 47 50.0–.57 35.64N 3.53W 29–4 **¶621402892**
SFS XI 14 04 47 52.8 35.46N 3.64W 9 4.3L,4.3L
IGIL XI 14 04 47 53.8 35.48N 3.54W 17 4.3L,4.3L
MDD XI 14 04 47 54.6–.62 35.48N 3.54W 17 2.6,4.3L
ISC Event type ke.
CNRM Error ellipse: s-maj=4.4km s-min=3.3km az=160.0.
IGIL Event type se. Presumed earthquake.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=2.8km az=40.0.
ISC XI 14 04 48 26.0–.99 35.57N–.02 3.66W–.02 10–7 3.9b,3.9s 387 0-98
IDC XI 14 04 48 24.9–.71 35.52N 3.39W 0 3.9b,3.8 **¶621608866**
SFS XI 14 04 48 26.2 35.52N 3.67W 19 4.4L,4.4L
GFZ XI 14 04 48 27.0–.21 36N–3.0 4W–2.0 10 4.7b,4.4
CNRM XI 14 04 48 26.2–.46 35.53N 3.59W 23–3 4.7b,4.4
INMG XI 14 04 48 27.0–1.5 35.41N 3.65W 17–5 3.5L,4.4
MDD XI 14 04 48 27.2–.31 35.44N 3.63W 14–3 4.0,4.4
IGIL XI 14 04 48 28.2 35.49N 3.81W 3 4.0,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=9.7km az=104.0.
GFZ Error ellipse: s-maj=5.7km s-min=4.0km az=163.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
CNRM Error ellipse: s-maj=2.6km s-min=2.2km az=78.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=2.1km az=159.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=1.5km az=161.0.
IGIL Event type se. Presumed earthquake.
ISC XI 14 04 50 21.5–1.0 35.42N–.04 3.60W–.03 30–11 23 0-2
MDD XI 14 04 50 19.7–1.3 35.44N 3.77W 1–9 3.1 **¶624814932**
CNRM XI 14 04 50 22.7–.47 35.35N 3.56W 29–2 3.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=6.7km az=59.0.
CNRM Error ellipse: s-maj=7.7km s-min=2.5km az=12.0.
ISC XI 14 04 50 55.5–.94 35.44N–.02 3.59W–.02 29–9 76 0-6
MDD XI 14 04 50 55.9–.79 35.44N 3.60W 2–6 3.3 **¶625202425**
INMG XI 14 04 50 55.1–1.6 35.40N 3.66W 9 2.7L
CNRM XI 14 04 50 56.1–.39 35.44N 3.59W 22–2 2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=96.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=10.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=3.9km s-min=1.8km az=9.0.
ISC XI 14 04 53 21.2–1.3 35.49N–.02 3.64W–.02 20–4 241 0-59
IDC XI 14 04 53 18.8–1.1 35.44N 3.78W 0 4.2b,3.7 **¶621402882**
IGIL XI 14 04 53 20.4 35.43N 3.67W 0 2.9L,3.7
MDD XI 14 04 53 20.3–.25 35.43N 3.67W 0 3.7,3.7
SFS XI 14 04 53 20.9 35.50N 3.64W 3 4.1L,4.0L
CNRM XI 14 04 53 20.7–.49 35.51N 3.64W 21–4 4.1L,4.0L
INMG XI 14 04 53 22.1–1.3 35.52N 3.76W 6 3.1L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=24.2km s-min=10.0km az=99.0.
IGIL Event type se. Presumed earthquake.
MDD Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=179.0.
CNRM Error ellipse: s-maj=2.8km s-min=2.6km az=89.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=107.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XI 14 04 55 37.4–.96 35.49N–.02 3.63W–.02 26–10 173 0-7
CNRM XI 14 04 55 36.2–.37 35.57N 3.58W 29–3 **¶621402883**
MDD XI 14 04 55 36.8–.32 35.46N 3.68W 0 3.2
SFS XI 14 04 55 37.3 35.49N 3.66W 6 3.6L,3.6L
INMG XI 14 04 55 37.8–1.4 35.34N 3.62W 25 2.8L,3.6L
ISC Event type ke.
CNRM Error ellipse: s-maj=2.4km s-min=2.1km az=55.0.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=10.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=12.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 14 06 29 16.9–1.0 35.45N–.02 3.65W–.02 22–6 106 0-5
CNRM XI 14 06 29 15.0–.51 35.58N 3.61W 16–3 **¶621608868**
MDD XI 14 06 29 16.9–.49 35.45N 3.67W 3 2.6
SFS XI 14 06 29 16.2 35.43N 3.69W 6 2.8L,2.7
IGIL XI 14 06 29 17.8 35.45N 3.67W 3 2.8L,2.7
INMG XI 14 06 29 17.8–1.6 35.45N 3.62W 17 2.1L,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=3.8km s-min=2.8km az=46.0.
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=20.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=23.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 14 07 06 12.5–1.1 35.52N–.02 3.67W–.03 14–9 101 0-5
MDD XI 14 07 06 12.0–.52 35.46N 3.74W 0 2.4 **¶621611856**
SFS XI 14 07 06 12.9 35.49N 3.66W 7 2.7L,2.7L
CNRM XI 14 07 06 12.5–.52 35.52N 3.65W 24–4 2.7L,2.7L
INMG XI 14 07 06 13.0–1.8 35.47N 3.69W 1 1.9L,2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=20.0.
CNRM Error ellipse: s-maj=3.7km s-min=2.9km az=67.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=97.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 14 17 39 54.5–.97 35.51N–.03 3.58W–.03 29–10 41 0-4
CNRM XI 14 17 39 53.7–.61 35.58N 3.60W 24–4 **¶625202465**
MDD XI 14 17 39 55.1–.49 35.46N 3.57W 29 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=4.7km s-min=3.2km az=30.0.
MDD Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=33.0.
ISC XI 16 15 37 12.1–1.0 35.54N–.02 3.63W–.02 13–9 190 0-7
MDD XI 16 15 37 12.4–.34 35.53N 3.67W 0–2 3.4 **¶621412339**
SFS XI 16 15 37 12.8 35.52N 3.65W 0 3.8L,3.7L
CNRM XI 16 15 37 12.9–.52 35.53N 3.60W 24–4 3.8L,3.7L
INMG XI 16 15 37 13.9–1.7 35.53N 3.62W 14–6 3.1L,3.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=165.0.
CNRM Error ellipse: s-maj=4.2km s-min=3.6km az=70.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=136.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XI 15 05 45 38.3–1.1 35.57N–.03 3.64W–.04 15–10 31 0-5
CNRM XI 15 05 45 38.1–.56 35.59N 3.60W 26–5 **¶625202490**
MDD XI 15 05 45 40.2–.92 35.43N 3.60W 25–13 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=4.6km s-min=4.1km az=66.0.
MDD Event type ke. Error ellipse: s-maj=11.0km s-min=7.8km az=149.0.
ISC XI 15 18 05 45.4–1.5 35.58N–.04 3.59W–.04 12–12 19 0-1
CNRM XI 15 18 05 45.6–1.3 35.64N 3.56W 10 **¶625202506**
MDD XI 15 18 05 46.4–1.0 35.46N 3.60W 23–11 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=8.9km s-min=3.3km az=170.0.
MDD Event type ke. Error ellipse: s-maj=9.3km s-min=7.2km az=107.0.
ISC XI 16 04 52 14.1–.97 35.50N–.03 3.60W–.02 20–7 75 0-5
CNRM XI 16 04 52 13.7–.70 35.52N 3.57W 21–4 **¶621611863**
SFS XI 16 04 52 13.3 35.49N 3.65W 1 2.8L,2.8
MDD XI 16 04 52 14.1–1.0 35.46N 3.64W 18–10 2.5,2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=6.7km s-min=3.0km az=15.0.
MDD Event type ke. Error ellipse: s-maj=8.8km s-min=8.2km az=157.0.
ISC XI 14 05 54 28.9–.90 35.47N–.02 3.63W–.02 22–10 119 0-5
CNRM XI 14 05 54 26.7–.66 35.62N 3.62W 20–4 **¶621611855**
MDD XI 14 05 54 28.3–.35 35.44N 3.67W 0 2.2
SFS XI 14 05 54 28.2 35.45N 3.67W 6 2.6L,2.6L
INMG XI 14 05 54 28.7–1.4 35.45N 3.67W 4 1.9L,2.6L
ISC Event type ke.

CNRM Error ellipse: s-maj=4.2km s-min=3.0km az=19.0.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=4.0.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=2.6km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 15 01 12 57.9–1.4 35.52N–.02 3.59W–.02 18–9 139 0-7
CNRM XI 15 01 12 58.2–.38 35.52N 3.58W 27–3 **¶621608869**
SFS XI 15 01 12 58.2 35.48N 3.62W 9 3.1L,3.0
MDD XI 15 01 12 59.1–.49 35.47N 3.64W 14 2.8,3.0
INMG XI 15 01 12 59.6–1.8 35.52N 3.61W 18–9 2.3L,3.0
IGIL XI 15 01 12 59.6 35.47N 3.64W 14 2.3L,3.0
ISC Event type ke.
CNRM Error ellipse: s-maj=2.7km s-min=2.0km az=107.0.
MDD Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=24.0.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=112.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
ISC XI 15 01 44 15.3–1.2 35.52N–.02 3.63W–.02 20–6 79 0-6
SFS XI 15 01 44 14.5 35.49N 3.68W 6 2.7L,2.6 **¶621611858**
CNRM XI 15 01 44 15.1–.36 35.53N 3.61W 22–3 2.7L,2.6
MDD XI 15 01 44 16.1–.85 35.47N 3.59W 22–11 2.6,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=2.5km s-min=1.7km az=93.0.
MDD Event type ke. Error ellipse: s-maj=9.4km s-min=7.6km az=157.0.
ISC XI 15 01 59 28.6–1.0 35.48N–.03 3.67W–.02 15–9 53 0-5
MDD XI 15 01 59 28.5–.91 35.42N 3.70W 6–7 2.4 **¶621611859**
CNRM XI 15 01 59 28.3–.60 35.60N 3.62W 12–3 2.4
SFS XI 15 01 59 29.2 35.45N 3.66W 12 2.5L,2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=5.9km az=10.0.
CNRM Error ellipse: s-maj=4.9km s-min=2.9km az=5.0.
ISC XI 16 07 25 34.5–1.0 35.47N–.02 3.62W–.02 23–11 123 0-6
CNRM XI 16 07 25 33.8–.47 35.51N 3.60W 17–3 **¶621608871**
SFS XI 16 07 25 34.1 35.43N 3.65W 8 3.1L,3.0
MDD XI 16 07 25 35.9–.44 35.42N 3.57W 24–4 2.8,3.0
INMG XI 16 07 25 35.2–1.6 35.44N 3.63W 11–9 2.3L,3.0
IGIL XI 16 07 25 36.3 35.42N 3.57W 24 2.3L,3.0
ISC Event type ke.
CNRM Error ellipse: s-maj=3.6km s-min=2.8km az=35.0.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=160.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=96.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.
ISC XI 15 20 33 12.9–1.0 35.49N–.03 3.65W–.03 16–10 92 0-5
CNRM XI 15 20 33 12.3–.77 35.56N 3.62W 22–6 **¶621611861**
SFS XI 15 20 33 13.3 35.47N 3.65W 9 2.7L,2.7L
MDD XI 15 20 33 13.7–.55 35.46N 3.65W 7–5 2.6,2.7L
INMG XI 15 20 33 13.6–1.8 35.47N 3.65W 9–8 2.1L,2.7L
ISC Event type ke.
CNRM Error ellipse: s-maj=6.8km s-min=3.2km az=172.0.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=149.0.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=114.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 15 20 58 08.5–.95 35.50N–.02 3.60W–.02 27–10 221 0-7
MDD XI 15 20 58 08.0–.35 35.46N 3.65W 10–3 3.2 **¶621406945**
SFS XI 15 20 58 08.7 35.46N 3.62W 14 3.5L,3.4
CNRM XI 15 20 58 08.2–.50 35.53N 3.58W 22–4 3.5L,3.4
IGIL XI 15 20 58 09.4 35.46N 3.65W 10 3.5L,3.4
INMG XI 15 20 58 09.3–1.6 35.48N 3.58W 22–5 2.7L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=153.0.
CNRM Error ellipse: s-maj=3.6km s-min=2.7km az=119.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=133.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 16 09 50 59.8–1.1 35.50N–.02 3.60W–.02 22–5 80 0-5
CNRM XI 16 09 50 57.5–.62 35.66N 3.60W 12–3 **¶621611864**
MDD XI 16 09 50 60.0–.71 35.41N 3.67W 18–8 2.7
SFS XI 16 09 50 59.4 35.46N 3.66W 5 3.0L,3.0
INMG XI 16 09 51 01.2–1.0 35.44N 3.56W 20–7 2.0L,3.0
ISC Event type ke.
CNRM Error ellipse: s-maj=4.4km s-min=3.1km az=38.0.
MDD Event type ke. Error ellipse: s-maj=8.4km s-min=5.0km az=160.0.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=2.7km az=99.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 16 15 45 02.3–1.7 35.50N–.03 3.66W–.03 15–12 39 0-4
CNRM XI 16 15 45 01.4–.80 35.69N 3.60W 13–5 **¶625202540**
MDD XI 16 15 45 03.1–.52 35.53N 3.70W 5–4 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=5.7km s-min=4.8km az=2.0.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=121.0.
ISC XI 17 10 44 30.0–1.0 35.52N–.03 3.61W–.04 28–12 18 0-2
CNRM XI 17 10 44 28.5–.50 35.64N 3.63W 19–2 **¶625202685**
MDD XI 17 10 44 30.5–.90 35.48N 3.63W 30 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=2.3km az=5.0.
MDD Event type ke. Error ellipse: s-maj=8.9km s-min=3.7km az=49.0.
ISC XI 16 21 51 25.8–1.0 35.50N–.02 3.64W–.02 25–12 61 0-5
CNRM XI 16 21 51 24.0–.67 35.63N 3.59W 17–3 **¶621611865**
MDD XI 16 21 51 26.9–.79 35.45N 3.63W 26–13 2.1
SFS XI 16 21 51 26.2 35.48N 3.66W 13 2.7L,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=4.9km s-min=3.4km az=14.0.
MDD Event type ke. Error ellipse: s-maj=11.0km s-min=6.0km az=146.0.
ISC XI 17 16 21 09.6–1.1 35.54N–.02 3.59W–.02 20–5 169 0-7
CNRM XI 17 16 21 08.4–.45 35.62N 3.62W 25–3 **¶621414075**
MDD XI 17 16 21 09.8–.44 35.44N 3.60W 15–5 3.1
SFS XI 17 16 21 10.0 35.51N 3.61W 8 3.6L,3.5
INMG XI 17 16 21 10.7–1.7 35.52N 3.62W 13–7 2.8L,3.5
ISC Event type ke.
CNRM Error ellipse: s-maj=2.7km s-min=2.2km az=92.0.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.0km az=163.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD XI 18 06 19 06.5–.89 35.35N 3.64W 40 2.6
¶625202819
MDD Event type ke. Error ellipse: s-maj=9.5km s-min=4.2km az=46.0.
ISC XI 17 17 00 34.1–1.0 35.56N–.03 3.57W–.03 28–11 22 0-3
MDD XI 17 17 00 34.7–1.0 35.63N 3.54W 7–10 2.7 **¶625202727**
CNRM XI 17 17 00 34.4–.64 35.55N 3.58W 28–3 2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.8km s-min=3.0km az=62.0.
CNRM Error ellipse: s-maj=5.8km s-min=3.1km az=17.0.
ISC XI 18 01 23 00.4–1.0 35.53N–.02 3.70W–.02 8–7 4.0b 236 0-61
CNRM XI 18 01 23 00.7–.47 35.52N 3.67W 15–3 4.0b **¶621414615**
MDD XI 18 01 23 00.6–.29 35.48N 3.69W 0 3.0
NEIC XI 18 01 23 01.6–1.1 35.50N–.03 3.7W–.10 10–1 4.0b
IDC XI 18 01 23 01.9–1.9 35.65N 3.32W 0 3.9b,3.8
IGIL XI 18 01 23 01.4 35.48N 3.69W 0 2.3L,3.8
SFS XI 18 01 23 01.4 35.48N 3.64W 10 3.5L,3.4
INMG XI 18 01 23 02.3–1.6 35.48N 3.62W 22–6 2.6L,3.4
ISC Event type ke.
CNRM Error ellipse: s-maj=2.9km s-min=2.4km az=102.0.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=0.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=4.3km az=284.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.1km s-min=15.8km az=76.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 17 19 57 16.5–1.9 35.58N–.08 3.54W–.05 16–13 14 0-2
CNRM XI 17 19 57 16.2–.78 35.67N 3.61W 16–3 **¶625202753**
MDD XI 17 19 57 20.5–.83 35.81N 3.07W 8–7 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=5.5km s-min=3.0km az=14.0.
MDD Event type ke. Error ellipse: s-maj=34.6km s-min=4.0km az=73.0.
ISC XI 19 04 24 07.9–1.1 35.56N–.02 3.61W–.02 5–10 76 0-6
CNRM XI 19 04 24 07.8–.54 35.53N 3.64W 7–3 **¶624814943**
MDD XI 19 04 24 10.9–.46 35.48N 3.48W 26–5 2.6
INMG XI 19 04 24 11.2–1.5 35.48N 3.47W 32–6 2.1L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.2km s-min=2.6km az=60.0.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=153.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=122.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 18 12 23 29.4–1.0 35.59N–.02 3.67W–.02 11–9 54 0-3
CNRM XI 18 12 23 29.2–.72 35.64N 3.62W 14–4 **¶621611868**
MDD XI 18 12 23 30.8–.68 35.62N 3.65W 0 2.7
SFS XI 18 12 23 30.4 35.45N 3.69W 11 3.0L,2.9
ISC Event type ke.
CNRM Error ellipse: s-maj=5.3km s-min=3.7km az=177.0.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.4km az=53.0.
ISC XI 19 09 59 15.0–1.1 35.54N–.02 3.68W–.03 11–9 41 0-5
CNRM XI 19 09 59 13.4–.51 35.69N 3.61W 13–2 **¶625202865**
MDD XI 19 09 59 16.6–.75 35.46N 3.68W 18–19 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=3.5km s-min=2.2km az=13.0.
MDD Event type ke. Error ellipse: s-maj=18.9km s-min=4.8km az=173.0.
ISC XI 19 13 30 45.7–1.1 35.65N–.02 3.61W–.03 4–10 59 1-5
CNRM XI 19 13 30 45.9–.54 35.63N 3.53W 4–4 **¶624814945**
INMG XI 19 13 30 46.5–1.6 35.57N 3.64W 0 2.4L
MDD XI 19 13 30 46.8–.44 35.59N 3.61W 0 2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=4.0km s-min=2.8km az=96.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=77.0.
ISC XI 19 05 05 46.7–1.1 35.60N–.02 3.60W–.03 12–10 40 0-5
CNRM XI 19 05 05 46.7–.43 35.60N 3.60W 17–2 **¶625202855**
MDD XI 19 05 05 47.7–.80 35.51N 3.64W 12–8 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=3.3km s-min=2.6km az=64.0.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=165.0.
ISC XI 19 05 57 23.6–1.1 35.54N–.02 3.66W–.02 9–10 78 0-5
CNRM XI 19 05 57 23.4–.54 35.58N 3.64W 10–3 **¶625202856**
MDD XI 19 05 57 24.8–.59 35.46N 3.65W 12–5 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=3.4km s-min=2.6km az=60.0.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=162.0.
ISC XI 19 18 17 39.7–1.2 35.50N–.03 3.65W–.03 14–10 57 0-5
CNRM XI 19 18 17 39.7–.35 35.56N 3.60W 15–3 **¶624814948**
INMG XI 19 18 17 40.2–1.8 35.48N 3.67W 6–8 2.0L
MDD XI 19 18 17 40.5–.61 35.49N 3.65W 4–5 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=3.0km s-min=2.2km az=160.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=4.6km az=134.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=154.0.
ISC XI 19 13 15 38.1–1.0 35.58N–.02 3.64W–.04 15–9 35 0-5
CNRM XI 19 13 15 35.3–.96 35.74N 3.66W 18–5 **¶624814944**
MDD XI 19 13 15 39.2–.82 35.61N 3.62W 0 2.8
INMG XI 19 13 15 40.1–1.2 35.41N 3.61W 31–*** 2.1L
ISC Event type ke.
CNRM Error ellipse: s-maj=6.2km s-min=4.6km az=47.0.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=3.7km az=53.0.
INMG Event type ke. Error ellipse: s-maj=8.5km s-min=8.5km az=0.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 19 20 58 43.5–1.2 35.53N–.03 3.65W–.03 20–4 92 0-6
CNRM XI 19 20 58 43.9–.59 35.50N 3.66W 23–5 **¶621608877**
INMG XI 19 20 58 44.7–1.5 35.53N 3.62W 13–7 2.0L
MDD XI 19 20 58 44.5–.78 35.51N 3.67W 12–6 2.7
SFS XI 19 20 58 44.0 35.52N 3.69W 11 2.9L,2.9
IGIL XI 19 20 58 45.5 35.51N 3.67W 12 2.9L,2.9
ISC Event type ke.
CNRM Error ellipse: s-maj=5.4km s-min=4.4km az=171.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=57.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=175.0.
IGIL Event type se. Presumed earthquake.
ISC XI 20 10 37 48.6–1.1 35.52N–.03 3.66W–.03 20–5 71 0-5
CNRM XI 20 10 37 46.4–.85 35.70N 3.70W 10–4 **¶621611871**
INMG XI 20 10 37 48.3–1.6 35.56N 3.66W 0 2.2L
MDD XI 20 10 37 49.1–.69 35.60N 3.63W 0 2.5
SFS XI 20 10 37 49.1 35.50N 3.68W 13 2.6L,2.6L
ISC Event type ke.
CNRM Error ellipse: s-maj=5.9km s-min=4.8km az=21.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=61.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=6.3km s-min=3.6km az=50.0.
ISC XI 19 22 53 02.5–1.0 35.55N–.03 3.66W–.03 16–9 67 0-5
CNRM XI 19 22 53 01.7–.54 35.62N 3.63W 8–3 **¶621611870**
SFS XI 19 22 53 03.0 35.52N 3.70W 13 2.8L,2.7
MDD XI 19 22 53 03.9–.66 35.53N 3.65W 14–6 2.6,2.7
INMG XI 19 22 53 03.9–1.1 35.52N 3.62W 18–5 1.9L,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=3.8km s-min=2.8km az=170.0.
MDD Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=136.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=117.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XI 20 11 28 51.5–1.3 35.53N–.02 3.59W–.03 19–3 74 0-5
CNRM XI 20 11 28 49.6–.73 35.64N 3.59W 19–4 **¶621611872**
MDD XI 20 11 28 51.9–.72 35.54N 3.63W 0 2.5
INMG XI 20 11 28 51.3–1.8 35.53N 3.64W 3 1.9L
SFS XI 20 11 28 52.2 35.47N 3.58W 22 2.7L,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=5.2km s-min=4.2km az=103.0.
MDD Event type ke. Error ellipse: s-maj=7.6km s-min=3.6km az=47.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=51.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XI 20 11 32 28.7–1.3 35.56N–.02 3.68W–.04 3–12 28 0-5
CNRM XI 20 11 32 27.8–.63 35.66N 3.62W 14–3 **¶625202936**
MDD XI 20 11 32 29.2–1.0 35.51N 3.73W 0 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=4.4km s-min=3.3km az=13.0.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=3.9km az=49.0.
ISC XI 20 11 45 32.5–1.4 35.50N–.02 3.69W–.02 18–5 93 0-5
CNRM XI 20 11 45 30.0–.86 35.68N 3.64W 10–4 **¶621611873**
MDD XI 20 11 45 32.9–.63 35.53N 3.70W 0 2.6
SFS XI 20 11 45 32.5 35.47N 3.69W 8 2.9L,2.9L
INMG XI 20 11 45 32.7–1.4 35.47N 3.70W 3 2.1L,2.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=6.0km s-min=4.7km az=17.0.
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=44.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=54.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 21 05 20 00.9–.97 35.51N–.02 3.66W–.02 17–8 162 0-7
SFS XI 21 05 20 00.8 35.50N 3.67W 5 3.0L,3.0 **¶621611876**
CNRM XI 21 05 20 00.2–.57 35.55N 3.64W 16–4 3.0L,3.0
MDD XI 21 05 20 00.9–.30 35.51N 3.66W 0 2.7,3.0
INMG XI 21 05 20 01.5–1.5 35.50N 3.67W 8–5 2.2L,3.0
ISC Event type ke.
CNRM Error ellipse: s-maj=4.0km s-min=3.9km az=161.0.

MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=162.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=120.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XI 20 09 37 57.2–1.6 35.52N–.02 3.69W–.03 10–13 49 0-5
CNRM XI 20 09 37 55.7–.47 35.67N 3.64W 32–3 **¶625202931**
MDD XI 20 09 38 01.3–.66 35.65N 3.48W 0 2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=3.8km s-min=2.9km az=103.0.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=3.4km az=61.0.
ISC XI 21 01 38 23.2–1.2 35.46N–.04 3.63W–.03 17–8 98 0-6
CNRM XI 21 01 38 23.5–.99 35.51N 3.57W 13–7 **¶621611874**
SFS XI 21 01 38 23.7 35.47N 3.64W 10 2.6L,2.6L
MDD XI 21 01 38 23.7–.61 35.48N 3.67W 5–4 2.4,2.6L
INMG XI 21 01 38 25.0–1.6 35.47N 3.56W 22–8 1.9L,2.6L
ISC Event type ke.
CNRM Error ellipse: s-maj=12.3km s-min=1.9km az=175.0.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=116.0.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=109.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 21 02 20 05.5–1.2 35.53N–.02 3.64W–.02 21–4 118 0-5
MDD XI 21 02 20 05.7–.50 35.51N 3.70W 5–3 2.7 **¶621611875**
SFS XI 21 02 20 05.7 35.50N 3.66W 7 2.8L,2.8
INMG XI 21 02 20 06.6–1.6 35.50N 3.64W 17–7 2.0L,2.8
CNRM XI 21 02 20 06.2–.95 35.46N 3.59W 22–5 2.0L,2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=160.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=9.7km s-min=4.3km az=0.0.
ISC XI 20 15 41 21.4–1.0 35.50N–.02 3.68W–.02 11–9 243 0-8
MDD XI 20 15 41 22.8–.34 35.44N 3.64W 8–3 3.4 **¶621427732**
SFS XI 20 15 41 22.9 35.46N 3.63W 9 3.7L,3.7L
CNRM XI 20 15 41 22.0–.55 35.54N 3.63W 22–5 3.7L,3.7L
IGIL XI 20 15 41 23.3 35.44N 3.64W 8 3.7L,3.7L
INMG XI 20 15 41 23.2–1.7 35.41N 3.63W 19–6 3.0L,3.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=155.0.
CNRM Error ellipse: s-maj=4.5km s-min=3.5km az=115.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=143.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 24 16 33 57.8–1.3 35.53N–.03 3.67W–.03 6–11 33 0-5
MDD XI 24 16 33 59.7–.70 35.49N 3.69W 1–6 2.5 **¶625203207**
CNRM XI 24 16 34 01.4–1.3 35.45N 3.56W 10–20 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=129.0.
CNRM Error ellipse: s-maj=7.9km s-min=2.5km az=169.0.
ISC XI 21 10 34 36.5–.95 35.53N–.02 3.65W–.02 17–8 91 0-5
SFS XI 21 10 34 36.8 35.50N 3.69W 10 2.6L,2.5 **¶621611878**
CNRM XI 21 10 34 36.3–.64 35.55N 3.59W 12–4 2.6L,2.5
MDD XI 21 10 34 37.2–.46 35.60N 3.67W 0 2.3,2.5
INMG XI 21 10 34 37.0–1.6 35.48N 3.66W 12–9 1.9L,2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=4.6km s-min=4.1km az=155.0.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=23.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=126.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 23 13 05 55.9–.99 35.60N–.02 3.60W–.02 15–8 66 0-4
CNRM XI 23 13 05 56.2–1.2 35.57N 3.56W 17–3 **¶621611934**
SFS XI 23 13 05 57.8 35.52N 3.59W 17 3.0L,3.0
MDD XI 23 13 05 58.3–.54 35.52N 3.52W 34–2 2.6,3.0
ISC Event type ke.
CNRM Error ellipse: s-maj=9.6km s-min=4.4km az=173.0.
MDD Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=37.0.
ISC XI 24 02 55 12.6–1.0 35.55N–.02 3.65W–.02 14–9 98 0-6
CNRM XI 24 02 55 12.1–1.5 35.62N 3.59W 12–5 **¶621611986**
SFS XI 24 02 55 13.6 35.52N 3.63W 9 3.0L,3.0L
MDD XI 24 02 55 14.6–.45 35.48N 3.62W 16–4 2.6,3.0L
INMG XI 24 02 55 14.7–1.4 35.50N 3.62W 18–6 1.9L,3.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=12.3km s-min=5.2km az=172.0.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=143.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=122.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 22 06 59 49.7–1.4 35.53N–.02 3.68W–.03 3–12 117 0-7
MDD XI 22 06 59 51.0–.45 35.49N 3.66W 0 2.8 **¶621611880**
CNRM XI 22 06 59 50.7–.59 35.52N 3.59W 17–3 2.8
INMG XI 22 06 59 51.8–1.5 35.46N 3.65W 10 2.2L
SFS XI 22 06 59 51.4 35.46N 3.63W 12 2.9L,2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=178.0.
CNRM Error ellipse: s-maj=4.0km s-min=3.4km az=80.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=106.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 23 04 57 21.3–1.0 35.54N–.02 3.63W–.02 13–8 194 0-7
MDD XI 23 04 57 21.0–.63 35.28N 3.59W 31 3.4 **¶621448769**
CNRM XI 23 04 57 21.1–.35 35.52N 3.66W 16–2 3.4
SFS XI 23 04 57 21.8 35.53N 3.61W 6 3.7L,3.6
INMG XI 23 04 57 22.8–1.7 35.53N 3.67W 12–6 2.9L,3.6
IGIL XI 23 04 57 23.0 35.28N 3.59W 31 2.9L,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=175.0.
CNRM Error ellipse: s-maj=2.5km s-min=1.7km az=95.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=118.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
ISC XI 24 00 36 46.1–1.3 35.53N–.02 3.60W–.02 13–10 118 0-6
SFS XI 24 00 36 46.7 35.53N 3.67W 0 3.1L,3.1 **¶621611985**
MDD XI 24 00 36 47.9–.45 35.61N 3.56W 0 2.6,3.1
CNRM XI 24 00 36 48.3–.48 35.40N 3.60W 30–3 2.6,3.1
INMG XI 24 00 36 48.9–1.6 35.51N 3.62W 19–8 2.1L,3.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=36.0.
CNRM Error ellipse: s-maj=5.1km s-min=3.9km az=6.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XI 23 16 38 03.0–1.1 35.49N–.02 3.59W–.02 17–9 96 0-5
CNRM XI 23 16 38 00.6–1.3 35.69N 3.52W 10–4 **¶621611935**
MDD XI 23 16 38 03.1–.49 35.46N 3.62W 5–4 2.6
SFS XI 23 16 38 03.3 35.50N 3.62W 6 3.1L,3.1L
INMG XI 23 16 38 03.4–1.4 35.43N 3.59W 12–8 2.3L,3.1L
ISC Event type ke.
CNRM Error ellipse: s-maj=9.6km s-min=4.2km az=177.0.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=153.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=145.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 27 20 55 21.7–1.2 35.57N–.03 3.61W–.03 9–10 71 0-6
CNRM XI 27 20 55 20.9–1.2 35.66N 3.57W 7–5 **¶625203353**
MDD XI 27 20 55 22.5–.47 35.43N 3.65W 18–5 2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=8.9km s-min=4.9km az=172.0.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=156.0.
ISC XI 25 17 17 36.3–1.2 35.55N–.03 3.58W–.03 17–10 36 0-5
CNRM XI 25 17 17 34.8–.96 35.63N 3.56W 15–4 **¶625203242**
MDD XI 25 17 17 37.2–.66 35.50N 3.60W 14–7 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=10.2km s-min=5.0km az=142.0.
MDD Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=116.0.
ISC XI 26 23 43 08.8–1.0 35.51N–.02 3.63W–.02 22–11 166 0-7
MDD XI 26 23 43 08.1–.41 35.48N 3.67W 0–3 3.2 **¶621476322**
IGIL XI 26 23 43 08.7 35.48N 3.67W 0 2.8L
INMG XI 26 23 43 09.3–2.1 35.53N 3.61W 15–10 3.0L
SFS XI 26 23 43 09.3 35.52N 3.60W 13 3.7L,3.6
CNRM XI 26 23 43 10.2–.31 35.51N 3.75W 31–2 3.7L,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=169.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
CNRM Error ellipse: s-maj=2.2km s-min=1.5km az=97.0.
ISC XI 26 16 46 13.7–1.0 36.41N–.03 7.89W–.03 59–11 258 1-10
CNRM XI 26 16 46 09.4–.31 36.22N 7.97W 10 **¶621475717**
MDD XI 26 16 46 15.4–.26 36.42N 7.95W 34–1 3.7
IGIL XI 26 16 46 15.6 36.42N 7.93W 22 3.1L
SFS XI 26 16 46 16.1 36.48N 7.87W 27 3.9L,3.6L
INMG XI 26 16 46 16.2–1.6 36.44N 7.94W 25–4 3.2L,3.6L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.4km s-min=2.2km az=90.0.
MDD Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=43.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=50.0. #DIST_RANGE: LOCAL #IPMA_REGION: Golfo de Cadiz.
ISC XI 28 09 12 12.9–1.2 35.45N–.04 3.59W–.03 22–6 32 0-4
MDD XI 28 09 12 13.6–.65 35.47N 3.61W 8–6 2.6 **¶625203395**
CNRM XI 28 09 12 14.8–1.3 35.39N 3.60W 8–23 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=119.0.
CNRM Error ellipse: s-maj=7.6km s-min=2.4km az=167.0.
ISC XI 27 23 52 35.0–1.2 35.58N–.03 3.59W–.03 11–10 48 0-5
CNRM XI 27 23 52 33.9–.96 35.68N 3.56W 8–4 **¶624814977**
INMG XI 27 23 52 35.4–1.2 35.54N 3.63W 1 2.1L
MDD XI 27 23 52 36.1–.49 35.56N 3.59W 6–3 2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=7.4km s-min=3.7km az=178.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=2.5km az=40.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=88.0.
ISC XI 27 17 06 02.0–1.1 35.52N–.02 3.69W–.02 6–9 93 0-5
CNRM XI 27 17 06 00.1–1.6 35.75N 3.58W 8–9 **¶621611989**
MDD XI 27 17 06 02.8–.49 35.46N 3.67W 4–4 2.7
SFS XI 27 17 06 02.8 35.46N 3.69W 0 3.1L,3.0L
INMG XI 27 17 06 03.4–1.3 35.49N 3.67W 5 2.3L,3.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=11.5km s-min=6.3km az=168.0.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=158.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=149.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 28 02 53 48.7–.81 36.94N–.02 2.41W–.02 19–5 173 0-6
CNRM XI 28 02 53 47.1–.56 36.75N 2.29W 10 **¶621480570**
MDD XI 28 02 53 49.1–.19 36.97N 2.43W 5 3.2
SFS XI 28 02 53 49.3 36.86N 2.37W 12 3.5L,3.4
INMG XI 28 02 53 49.4–1.6 36.92N 2.41W 11–2 2.7L,3.4
ISC Event type ke.
CNRM Error ellipse: s-maj=8.9km s-min=4.4km az=122.0.
MDD Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=156.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=158.0. #DIST_RANGE: REGIONAL #IPMA_REGION: S Almeria (ESP).
ISC XI 28 17 25 01.2–1.1 35.53N–.03 3.66W–.03 15–10 89 0-5
CNRM XI 28 17 24 59.5–.79 35.67N 3.61W 29–6 **¶621611991**
MDD XI 28 17 25 01.9–.53 35.48N 3.61W 6–6 2.6
SFS XI 28 17 25 02.0 35.55N 3.67W 12 3.0L,3.0L
INMG XI 28 17 25 02.1–1.7 35.47N 3.62W 16–9 2.1L,3.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=6.9km s-min=5.4km az=29.0.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.0km az=165.0.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 28 10 33 07.8–1.8 35.49N–.03 3.54W–.04 10–14 27 0-3
CNRM XI 28 10 33 07.1–1.1 35.67N 3.60W 23–5 **¶625203412**
MDD XI 28 10 33 11.1–.69 35.43N 3.55W 28–11 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=8.3km s-min=3.3km az=170.0.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=6.4km az=139.0.
ISC XI 28 19 47 30.6–1.1 36.61N–.02 4.58W–.02 70–5 237 0-7
MDD XI 28 19 47 32.7–.19 36.59N 4.59W 60–3 4.1b **¶621480969**
CNRM XI 28 19 47 32.4–.83 36.44N 4.78W 64–31 4.1b
SFS XI 28 19 47 32.5 36.61N 4.57W 58 3.9L,3.8L
IGIL XI 28 19 47 32.9 36.59N 4.59W 60 3.4L,3.8L
INMG XI 28 19 47 32.9–1.8 36.62N 4.68W 56–5 3.3L,3.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=165.0.
CNRM Error ellipse: s-maj=7.0km s-min=3.1km az=58.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.6km az=121.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Malaga (ESP).
ISC XI 29 04 47 46.6–1.2 35.53N–.04 3.60W–.03 14–11 48 0-5
MDD XI 29 04 47 47.3–.58 35.40N 3.65W 24–7 2.5 **¶624814980**
CNRM XI 29 04 47 48.6–.43 35.29N 3.57W 18–3 2.5
INMG XI 29 04 47 48.8–2.2 35.43N 3.54W 31–16 1.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=3.5km az=131.0.
CNRM Error ellipse: s-maj=6.9km s-min=2.7km az=177.0.
INMG Event type ke. Error ellipse: s-maj=11.8km s-min=7.7km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 29 20 45 37.3–1.2 35.52N–.03 3.71W–.04 10–11 48 0-5
CNRM XI 29 20 45 37.8–.82 35.60N 3.89W 3–3 **¶624814982**
MDD XI 29 20 45 38.7–.85 35.46N 3.64W 14–9 2.6
INMG XI 29 20 45 38.0–1.7 35.48N 3.69W 5–9 1.8L
ISC Event type ke.
CNRM Error ellipse: s-maj=5.8km s-min=2.5km az=55.0.
MDD Event type ke. Error ellipse: s-maj=8.5km s-min=6.1km az=4.0.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=96.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XI 29 07 53 02.2–1.1 35.56N–.02 3.69W–.02 5–10 102 0-5
CNRM XI 29 07 53 02.1–.33 35.65N 3.64W 12–2 **¶621481055**
SFS XI 29 07 53 03.8 35.50N 3.64W 7 3.4L,3.3
INMG XI 29 07 53 03.6–2.4 35.52N 3.66W 0–10 2.4L,3.3
MDD XI 29 07 53 04.9–.56 35.63N 3.54W 0 2.9,3.3
IGIL XI 29 07 53 04.8 35.63N 3.54W 0 2.9,3.3
ISC Event type ke.
CNRM Error ellipse: s-maj=2.3km s-min=1.7km az=80.0.
INMG Event type ke. Error ellipse: s-maj=7.7km s-min=5.6km az=83.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=2.6km az=54.0.
IGIL Event type se. Presumed earthquake.
ISC XI 29 08 34 46.2–.98 35.53N–.02 3.62W–.02 15–7 178 0-63
CNRM XI 29 08 34 45.5–.27 35.58N 3.62W 23–2 **¶621481056**
IDC XI 29 08 34 45.0–1.1 35.53N 3.55W 0 3.7b,3.5L
INMG XI 29 08 34 46.6–1.8 35.53N 3.63W 3–6 2.9L,3.5L
SFS XI 29 08 34 46.4 35.49N 3.64W 7 3.7L,3.6
IGIL XI 29 08 34 47.1 35.53N 3.55W 11 3.7L,3.6
MDD XI 29 08 34 47.9–.34 35.53N 3.55W 11 3.4,3.6
ISC Event type ke.
CNRM Error ellipse: s-maj=1.6km s-min=1.3km az=91.0.
IDC Error ellipse: s-maj=30.3km s-min=11.0km az=94.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=93.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=29.0.
ISC XI 29 21 54 35.8–1.1 35.56N–.02 3.65W–.02 10–9 178 0-63
SFS XI 29 21 54 36.7 35.51N 3.63W 7 3.2L,3.2 **¶621499056**
IDC XI 29 21 54 37.0–1.2 35.54N 3.73W 0 3.3b,3.0

MDD XI 29 21 54 36.5–.39 35.45N 3.60W 21–4 2.9,3.0
CNRM XI 29 21 54 37.2–.55 35.58N 3.72W 22–4 2.9,3.0
INMG XI 29 21 54 37.6–1.6 35.52N 3.59W 20–6 2.3L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=10.4km az=98.0.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=155.0.
CNRM Error ellipse: s-maj=4.0km s-min=2.3km az=80.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=146.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XI 30 05 59 14.7–1.2 35.46N–.02 3.59W–.02 21–4 98 0-6
SFS XI 30 05 59 14.1 35.46N 3.64W 1 2.8L,2.7 **¶621611992**
MDD XI 30 05 59 15.2–.33 35.50N 3.62W 0 2.5,2.7
CNRM XI 30 05 59 15.9–.88 35.60N 3.99W 3–3 2.5,2.7
INMG XI 30 05 59 15.8–1.5 35.45N 3.57W 12 1.9L,2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=19.0.
CNRM Error ellipse: s-maj=7.6km s-min=2.7km az=56.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=24.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 01 22 31 46.1–1.1 35.52N–.04 3.61W–.04 15–11 36 0-4
CNRM XII 01 22 31 43.5–.93 35.71N 3.52W 8–8 **¶621659334**
SFS XII 01 22 31 46.6 35.54N 3.59W 0 3.0L,3.0
MDD XII 01 22 31 46.5–.88 35.50N 3.61W 10 2.4,3.0
ISC Event type ke.
CNRM Error ellipse: s-maj=6.8km s-min=3.5km az=171.0.
MDD Event type ke. Error ellipse: s-maj=10.6km s-min=3.3km az=45.0.
ISC XII 03 02 37 35.3–1.2 35.51N–.02 3.66W–.03 11–10 65 0-5
MDD XII 03 02 37 35.8–.62 35.48N 3.67W 1–5 2.4 **¶621659342**
INMG XII 03 02 37 35.6–1.5 35.42N 3.67W 8–13 2.0L
CNRM XII 03 02 37 36.6–.68 35.59N 3.82W 20–2 2.0L
SFS XII 03 02 37 36.7 35.51N 3.61W 12 2.5L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=98.0.
INMG Event type ke. Error ellipse: s-maj=9.5km s-min=6.0km az=145.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=6.2km s-min=2.6km az=63.0.
ISC XII 02 02 10 51.8–1.1 35.54N–.02 3.60W–.02 15–9 169 0-7
CNRM XII 02 02 10 52.5–.53 35.51N 3.55W 17–3 **¶621606959**
SFS XII 02 02 10 52.7 35.46N 3.63W 10 3.6L,3.5
MDD XII 02 02 10 53.1–.45 35.44N 3.61W 16–4 3.2,3.5
IGIL XII 02 02 10 53.8 35.44N 3.61W 16 3.2,3.5
INMG XII 02 02 10 53.6–1.6 35.48N 3.58W 20–6 2.7L,3.5
ISC Event type ke.
CNRM Error ellipse: s-maj=4.0km s-min=3.0km az=124.0.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=157.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=110.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 03 06 26 43.3–1.4 36.62N–.07 7.46W–.03 30–13 74 1-4
CNRM XII 03 06 26 42.0–.99 36.64N 7.26W 28–4 **¶621659344**
MDD XII 03 06 26 43.8–.93 36.59N 7.51W 25–5 2.2
IGIL XII 03 06 26 43.1 36.59N 7.51W 23 1.8L
SFS XII 03 06 26 44.3 36.67N 7.43W 16 2.5L,2.5
INMG XII 03 06 26 44.5–1.4 36.62N 7.51W 20–4 1.7L,2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=6.8km s-min=4.3km az=136.0.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=3.5km az=18.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=21.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Golfo de Cadiz.
ISC XII 03 08 43 57.8–1.1 35.49N–.03 3.71W–.03 12–10 39 0-4
CNRM XII 03 08 43 56.8–.72 35.65N 3.62W 22–3 **¶621659345**
MDD XII 03 08 43 57.6–.69 35.46N 3.73W 6–4 2.4
INMG XII 03 08 43 57.5–1.7 35.45N 3.74W 4–6 2.0L
SFS XII 03 08 43 58.2 35.44N 3.70W 4 2.8L,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=5.1km s-min=2.9km az=63.0.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=2.9km az=39.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=50.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 03 03 28 45.5–1.3 35.64N–.03 4.61W–.03 103–7 123 1-7
CNRM XII 03 03 28 43.9–.50 35.62N 4.62W 109–5 **¶621659343**
SFS XII 03 03 28 47.8 35.66N 4.60W 86 2.8,2.8L
MDD XII 03 03 28 48.2–.46 35.64N 4.62W 88–5 2.4b,2.8L
INMG XII 03 03 28 48.0–1.6 35.65N 4.62W 97–7 2.2L,2.8L
IGIL XII 03 03 28 49.0 35.64N 4.62W 60 1.8L,2.8L
ISC Event type ke.
CNRM Error ellipse: s-maj=5.1km s-min=2.8km az=68.0.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=164.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=38.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
ISC XII 03 15 35 00.7–1.0 35.42N–.03 3.74W–.03 24–10 34 0-4
CNRM XII 03 15 34 58.6–.64 35.60N 3.80W 15–3 **¶621659347**
SFS XII 03 15 35 01.5 35.50N 3.76W 0 2.7L,2.6
MDD XII 03 15 35 02.3–.64 35.59N 3.68W 0 2.2,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=4.6km s-min=3.8km az=11.0.
MDD Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=44.0.
ISC XII 04 02 36 36.8–1.1 35.46N–.02 3.67W–.02 12–9 117 0-6
CNRM XII 04 02 36 35.7–.60 35.62N 3.67W 11–4 **¶621658861**
SFS XII 04 02 36 36.6 35.44N 3.72W 3 2.7L,2.7L
MDD XII 04 02 36 37.1–.34 35.42N 3.66W 0 2.5,2.7L
INMG XII 04 02 36 38.5–1.7 35.45N 3.58W 19–10 1.9L,2.7L
ISC Event type ke.
CNRM Error ellipse: s-maj=4.5km s-min=3.8km az=47.0.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=19.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=3.9km az=107.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 04 08 32 14.2–1.2 35.48N–.03 3.55W–.03 26–13 44 0-6
CNRM XII 04 08 32 10.8–1.0 35.73N 3.60W 12–6 **¶621658864**
SFS XII 04 08 32 13.7 35.42N 3.69W 8 2.8L,2.7
MDD XII 04 08 32 15.3–.81 35.46N 3.57W 25–12 2.5,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=7.3km s-min=5.4km az=2.0.
MDD Event type ke. Error ellipse: s-maj=10.2km s-min=7.0km az=146.0.
ISC XII 03 23 46 53.3–1.2 36.72N–.03 7.49W–.02 35 141 1-6
CNRM XII 03 23 46 52.7–.51 36.71N 7.44W 47–26 **¶621612051**
MDD XII 03 23 46 54.4–.45 36.73N 7.51W 25–3 3.0
IGIL XII 03 23 46 54.4 36.71N 7.55W 19 1.8L
INMG XII 03 23 46 54.5–1.4 36.71N 7.53W 21–2 2.0L
SFS XII 03 23 46 54.7 36.72N 7.50W 39 2.4L,2.4
ISC Event type ke.
CNRM Error ellipse: s-maj=5.7km s-min=3.5km az=72.0.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=36.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=47.0. #DIST_RANGE: LOCAL #IPMA_REGION: Golfo de Cadiz.
ISC XII 04 10 04 11.0–1.2 35.54N–.03 3.61W–.02 12–10 46 0-5
CNRM XII 04 10 04 08.9–.88 35.71N 3.61W 11–5 **¶621658865**
INMG XII 04 10 04 13.5–1.6 35.46N 3.58W 21–10 1.7L
MDD XII 04 10 04 13.3–.89 35.48N 3.59W 18–8 2.4
SFS XII 04 10 04 13.1 35.43N 3.63W 22 2.6L,2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=6.2km s-min=4.4km az=1.0.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=4.1km az=97.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=8.2km s-min=7.0km az=47.0.
ISC XII 04 04 27 54.3–1.0 35.53N–.02 3.62W–.02 13–9 113 0-5
MDD XII 04 04 27 54.9–.49 35.46N 3.62W 6–4 2.4 **¶621658863**
CNRM XII 04 04 27 54.1–.53 35.57N 3.59W 11–3 2.4
SFS XII 04 04 27 55.3 35.50N 3.62W 9 2.9L,2.9L
INMG XII 04 04 27 55.6–1.4 35.45N 3.59W 13–8 1.9L,2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=151.0.
CNRM Error ellipse: s-maj=4.0km s-min=3.4km az=70.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=148.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 04 19 03 53.6–1.0 35.54N–.02 3.65W–.02 15–9 185 0-7
MDD XII 04 19 03 53.8–.35 35.52N 3.67W 6–2 3.2 **¶621612461**
CNRM XII 04 19 03 53.4–.47 35.61N 3.63W 16–3 3.2
SFS XII 04 19 03 54.0 35.42N 3.67W 11 3.6L,3.5
INMG XII 04 19 03 55.2–1.9 35.50N 3.59W 20–7 2.7L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=160.0.
CNRM Error ellipse: s-maj=2.9km s-min=2.1km az=110.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 04 14 41 08.2–.99 35.51N–.03 3.57W–.03 28–11 46 0-4
CNRM XII 04 14 41 07.3–.31 35.61N 3.60W 16–2 **¶621658869**
SFS XII 04 14 41 08.7 35.44N 3.66W 13 2.8L,2.7
MDD XII 04 14 41 08.8–.67 35.42N 3.60W 25–12 2.4,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=2.4km s-min=1.8km az=10.0.
MDD Event type ke. Error ellipse: s-maj=10.7km s-min=4.8km az=146.0.
ISC XII 04 19 05 21.8–1.1 35.49N–.03 3.66W–.03 16–10 39 0-5
CNRM XII 04 19 05 20.4–.88 35.67N 3.62W 14–5 **¶621612463**
MDD XII 04 19 05 22.5–1.1 35.45N 3.64W 19–6 3.0
INMG XII 04 19 05 22.5–1.8 35.47N 3.64W 8–14 2.1L
SFS XII 04 19 05 23.2 35.43N 3.61W 22 2.1L
ISC Event type ke.
CNRM Error ellipse: s-maj=6.5km s-min=4.9km az=177.0.
MDD Event type ke. Error ellipse: s-maj=10.4km s-min=4.3km az=53.0.
INMG Event type ke. Error ellipse: s-maj=10.6km s-min=4.9km az=94.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 04 19 13 11.9–.00 35.53N–.03 3.61W–.02 27–11 51 0-5
CNRM XII 04 19 13 08.4–1.1 35.75N 3.61W 17–5 **¶621658871**
SFS XII 04 19 13 11.6 35.26N 3.68W 48 3.0L,3.0
MDD XII 04 19 13 11.5–.43 35.57N 3.67W 0 2.4,3.0
INMG XII 04 19 13 12.3–1.7 35.51N 3.62W 9–9 1.7L,3.0
ISC Event type ke.
CNRM Error ellipse: s-maj=7.1km s-min=4.3km az=14.0.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=2.4km az=35.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=133.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 04 21 10 00.7–.96 35.49N–.02 3.65W–.02 28–10 147 0-7
CNRM XII 04 21 09 59.8–.26 35.54N 3.65W 30–2 **¶621612563**
MDD XII 04 21 10 01.0–.41 35.50N 3.70W 17–3 2.9
SFS XII 04 21 10 01.2 35.49N 3.68W 5 3.4L,3.3
IGIL XII 04 21 10 02.9 35.50N 3.70W 17 3.4L,3.3
INMG XII 04 21 10 02.3–1.8 35.52N 3.59W 23–7 2.3L,3.3
ISC Event type ke.
CNRM Error ellipse: s-maj=1.8km s-min=1.5km az=105.0.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=150.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 04 21 14 41.3–1.0 35.51N–.02 3.68W–.02 24–11 168 0-7
MDD XII 04 21 14 40.8–.39 35.47N 3.72W 14–3 3.0 **¶621612565**
SFS XII 04 21 14 41.4 35.46N 3.68W 10 3.3L,3.2
CNRM XII 04 21 14 41.4–.40 35.53N 3.68W 17–2 3.3L,3.2
INMG XII 04 21 14 42.0–2.0 35.49N 3.66W 20–8 2.6L,3.2
IGIL XII 04 21 14 42.7 35.47N 3.72W 14 2.6L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=164.0.
CNRM Error ellipse: s-maj=2.9km s-min=2.7km az=88.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=140.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.
ISC XII 04 21 46 07.7–1.0 35.54N–.02 3.68W–.02 13–9 88 0-6
MDD XII 04 21 46 07.9–.58 35.55N 3.73W 4–4 2.5 **¶621658872**
CNRM XII 04 21 46 07.2–.59 35.63N 3.72W 9–4 2.5
SFS XII 04 21 46 09.2 35.49N 3.70W 12 2.9L,2.9
INMG XII 04 21 46 09.4–1.7 35.54N 3.62W 15–10 2.0L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=38.0.
CNRM Error ellipse: s-maj=4.7km s-min=3.7km az=115.0.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=100.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 05 16 43 51.2–1.4 35.52N–.03 3.63W–.03 18–5 38 0-5
CNRM XII 05 16 43 49.6–.67 35.65N 3.59W 18–3 **¶624814999**
MDD XII 05 16 43 50.8–.52 35.43N 3.71W 20 2.7
INMG XII 05 16 43 51.9–1.3 35.50N 3.63W 7 1.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=5.0km s-min=3.2km az=4.0.
MDD Event type ke. Error ellipse: s-maj=5.2km s-min=2.8km az=31.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=47.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 05 09 23 22.7–1.0 35.57N–.02 3.66W–.02 12–8 170 0-59
CNRM XII 05 09 23 21.5–.34 35.63N 3.71W 14–2 **¶621612600**
IDC XII 05 09 23 22.8–1.8 35.59N 3.45W 0 3.8b,3.5
SFS XII 05 09 23 23.8 35.51N 3.64W 10 3.6L,3.6L
MDD XII 05 09 23 23.7–.40 35.52N 3.65W 9–3 3.2,3.6L
INMG XII 05 09 23 25.1–1.8 35.54N 3.65W 20–5 2.8L,3.6L
ISC Event type ke.
CNRM Error ellipse: s-maj=2.3km s-min=1.4km az=108.0.
IDC Error ellipse: s-maj=40.5km s-min=15.6km az=79.0.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=171.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=159.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 05 09 31 52.0–1.1 35.56N–.03 3.65W–.03 7–10 41 0-4
CNRM XII 05 09 31 49.6–.92 35.71N 3.64W 5–7 **¶621658876**
MDD XII 05 09 31 52.7–.78 35.58N 3.61W 0 2.3
SFS XII 05 09 31 53.4 35.40N 3.64W 21 3.0L,2.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=6.3km s-min=4.4km az=160.0.
MDD Event type ke. Error ellipse: s-maj=9.5km s-min=3.3km az=49.0.
ISC XII 05 10 16 33.7–1.1 35.51N–.02 3.66W–.02 11–8 3.8b,3.7s 192 0-76
IDC XII 05 10 16 33.6–1.7 35.59N 3.32W 0 3.6b,3.6 **¶621612707**
CNRM XII 05 10 16 34.5–.42 35.51N 3.63W 27–3 3.6b,3.6
SFS XII 05 10 16 34.6 35.49N 3.63W 7 3.8L,3.8L
INMG XII 05 10 16 34.8–1.6 35.49N 3.64W 7 3.1L,3.8L
MDD XII 05 10 16 34.3–.42 35.49N 3.65W 0–3 3.4,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=34.1km s-min=14.6km az=71.0.
CNRM Error ellipse: s-maj=3.0km s-min=2.3km az=113.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=35.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=153.0.
ISC XII 05 10 27 21.7–.98 35.54N–.04 3.62W–.03 16–10 36 0-4
CNRM XII 05 10 27 21.5–.60 35.55N 3.58W 28–4 **¶621658877**
MDD XII 05 10 27 22.5–.74 35.59N 3.59W 7–6 2.4
SFS XII 05 10 27 22.5 35.55N 3.61W 0 2.9L,2.9
ISC Event type ke.
CNRM Error ellipse: s-maj=5.8km s-min=3.4km az=8.0.
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=4.5km az=46.0.
ISC XII 05 10 29 23.1–1.2 35.97N–.03 3.64W–.04 24–15 26 1-4
MDD XII 05 10 29 17.4–.76 35.56N 3.54W 17–7 2.5 **¶625204253**
CNRM XII 05 10 29 25.3–.71 35.78N 3.59W 3–4 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.6km s-min=4.9km az=45.0.
CNRM Error ellipse: s-maj=5.2km s-min=4.0km az=52.0.

ISC XII 05 17 10 56.7–1.3 35.58N–.06 3.63W–.04 12–13 19 0-4
CNRM XII 05 17 10 57.3–1.1 35.57N 3.67W 10 **¶625204266**
MDD XII 05 17 10 58.4–.72 35.53N 3.60W 20 2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=8.5km s-min=2.1km az=168.0.
MDD Event type ke. Error ellipse: s-maj=9.1km s-min=2.8km az=47.0.
ISC XII 05 17 15 09.2–1.1 35.54N–.04 3.62W–.03 27–12 37 0-5
CNRM XII 05 17 15 08.4–1.2 35.60N 3.64W 22–12 **¶624815000**
MDD XII 05 17 15 08.8–.50 35.47N 3.72W 20 2.5
INMG XII 05 17 15 09.7–1.4 35.55N 3.63W 15 1.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=9.9km s-min=6.1km az=172.0.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=2.8km az=34.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.8km az=92.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 05 17 41 02.3–1.4 35.61N–.06 3.58W–.04 11–13 16 0-2
MDD XII 05 17 41 02.6–.96 35.47N 3.64W 20 2.6 **¶625204267**
CNRM XII 05 17 41 03.0–.97 35.59N 3.54W 10 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.7km s-min=3.7km az=43.0.
CNRM Error ellipse: s-maj=7.6km s-min=3.8km az=4.0.
ISC XII 05 18 16 37.3–.96 35.57N–.02 3.68W–.02 14–8 152 0-7
CNRM XII 05 18 16 37.2–.66 35.60N 3.66W 14–5 **¶621613016**
MDD XII 05 18 16 37.6–.39 35.37N 3.69W 16–4 3.0
SFS XII 05 18 16 38.1 35.45N 3.69W 9 3.2L,3.2L
INMG XII 05 18 16 38.8–1.7 35.41N 3.64W 27 2.5L,3.2L
ISC Event type ke.
CNRM Error ellipse: s-maj=5.1km s-min=4.1km az=82.0.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=158.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=8.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 05 17 53 19.1–1.0 35.48N–.02 3.71W–.02 16–9 82 0-5
MDD XII 05 17 53 19.8–.46 35.59N 3.68W 5–3 2.6 **¶621658881**
CNRM XII 05 17 53 19.7–.72 35.58N 3.67W 16–4 2.6
SFS XII 05 17 53 20.8 35.48N 3.69W 11 2.9L,2.9L
INMG XII 05 17 53 20.0–1.7 35.56N 3.67W 4 2.1L,2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=39.0.
CNRM Error ellipse: s-maj=5.2km s-min=4.6km az=24.0.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=25.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 05 20 10 05.8–1.1 35.63N–.02 3.65W–.02 7–10 86 0-5
CNRM XII 05 20 10 05.8–.69 35.61N 3.59W 5–4 **¶624815001**
MDD XII 05 20 10 06.2–.31 35.60N 3.70W 0 2.7
INMG XII 05 20 10 07.0–1.6 35.63N 3.71W 0 2.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=4.8km s-min=4.3km az=117.0.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=6.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=172.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 06 06 49 45.3–1.6 35.53N–.03 3.60W–.03 12–12 26 0-4
MDD XII 06 06 49 47.1–.86 35.50N 3.70W 8–6 2.6 **¶625204289**
CNRM XII 06 06 49 47.8–.82 35.44N 3.61W 21–6 2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.1km s-min=5.0km az=43.0.
CNRM Error ellipse: s-maj=12.6km s-min=3.2km az=176.0.
ISC XII 06 09 41 39.9–1.1 35.53N–.02 3.68W–.02 12–9 70 0-4
CNRM XII 06 09 41 39.2–.70 35.64N 3.70W 19–3 **¶621658883**
SFS XII 06 09 41 40.6 35.49N 3.73W 7 2.7L,2.7
MDD XII 06 09 41 41.9–.54 35.51N 3.66W 7–4 2.7,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=4.8km s-min=3.2km az=14.0.
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=3.5km az=128.0.
ISC XII 06 01 29 38.3–1.2 35.69N–.03 3.54W–.03 5–11 24 1-2
CNRM XII 06 01 29 37.6–1.4 35.69N 3.58W 6–8 **¶625204275**
MDD XII 06 01 29 40.6–.48 35.75N 3.39W 2–4 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=11.2km s-min=5.4km az=172.0.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=2.7km az=63.0.
ISC XII 06 12 31 12.8–1.0 35.53N–.04 3.64W–.04 30–12 18 0-1
CNRM XII 06 12 31 11.2–.53 35.64N 3.62W 26–3 **¶625204298**
MDD XII 06 12 31 14.1–1.0 35.46N 3.61W 25–13 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=4.7km s-min=2.9km az=11.0.
MDD Event type ke. Error ellipse: s-maj=10.3km s-min=8.7km az=150.0.
ISC XII 06 22 22 04.7–1.3 35.51N–.02 3.68W–.02 15–10 64 0-5
CNRM XII 06 22 22 03.7–1.1 35.64N 3.65W 4–7 **¶621658885**
MDD XII 06 22 22 05.4–.79 35.47N 3.73W 4–6 2.4
SFS XII 06 22 22 05.1 35.50N 3.75W 6 2.5L,2.4
INMG XII 06 22 22 05.9–1.4 35.46N 3.69W 2 1.5L,2.4
ISC Event type ke.
CNRM Error ellipse: s-maj=7.7km s-min=3.9km az=166.0.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=114.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=92.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 06 15 47 00.8–1.1 35.56N–.04 3.62W–.03 18–6 26 0-4
CNRM XII 06 15 46 59.8–1.2 35.62N 3.60W 10–9 **¶625204301**
MDD XII 06 15 47 01.8–.67 35.52N 3.63W 20 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=10.2km s-min=3.9km az=166.0.
MDD Event type ke. Error ellipse: s-maj=6.7km s-min=3.0km az=41.0.
ISC XII 08 08 46 52.2–1.2 35.53N–.03 3.66W–.04 14–10 25 0-3
CNRM XII 08 08 46 51.9–1.3 35.61N 3.61W 10 **¶625204376**
MDD XII 08 08 46 52.5–.76 35.40N 3.72W 17–9 2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=8.8km s-min=2.8km az=164.0.
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=4.9km az=149.0.
ISC XII 07 17 57 10.5–1.2 35.50N–.03 3.62W–.03 14–10 32 0-4
CNRM XII 07 17 57 09.3–.86 35.63N 3.63W 21–5 **¶625204350**
MDD XII 07 17 57 12.6–.70 35.44N 3.56W 20–9 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=5.5km s-min=2.8km az=15.0.
MDD Event type ke. Error ellipse: s-maj=7.7km s-min=5.7km az=133.0.
ISC XII 08 11 52 49.3–1.0 35.47N–.03 3.62W–.03 22–5 91 0-6
SFS XII 08 11 52 48.8 35.44N 3.68W 7 3.1L,3.0 **¶621658887**
CNRM XII 08 11 52 49.1–.53 35.45N 3.59W 26–5 3.1L,3.0
INMG XII 08 11 52 50.6–1.4 35.46N 3.63W 17 2.2L,3.0
MDD XII 08 11 52 54.1–.75 35.72N 3.61W 10 2.8,3.0
ISC Event type ke.
CNRM Error ellipse: s-maj=5.5km s-min=4.2km az=141.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=145.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=179.0.
ISC XII 08 18 13 23.4–1.1 35.55N–.02 3.66W–.02 20–4 102 0-5
CNRM XII 08 18 13 22.6–.58 35.62N 3.66W 22–6 **¶621658888**
MDD XII 08 18 13 24.1–.55 35.53N 3.70W 6–4 2.7
INMG XII 08 18 13 24.7–1.9 35.49N 3.69W 11 2.2L
SFS XII 08 18 13 24.1 35.49N 3.66W 10 3.1L,3.1
ISC Event type ke.
CNRM Error ellipse: s-maj=4.6km s-min=3.3km az=115.0.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=162.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=47.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 09 08 29 48.7–1.2 35.41N–.04 3.74W–.03 13–10 28 0-3
MDD XII 09 08 29 48.3–.84 35.36N 3.79W 0 2.5 **¶625204418**
CNRM XII 09 08 29 49.8–1.5 35.43N 3.60W 33–16 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=3.2km az=29.0.
CNRM Error ellipse: s-maj=40.9km s-min=2.6km az=5.0.
ISC XII 11 02 29 32.0–1.1 35.44N–.02 3.60W–.03 25–12 65 0-5
CNRM XII 11 02 29 31.4–1.2 35.56N 3.65W 30–5 **¶621658898**
MDD XII 11 02 29 32.7–.90 35.45N 3.65W 7–7 2.7
SFS XII 11 02 29 32.1 35.43N 3.67W 8 3.1L,3.1L
INMG XII 11 02 29 34.7–1.1 35.38N 3.48W 30–9 1.6L,3.1L
ISC Event type ke.
CNRM Error ellipse: s-maj=10.1km s-min=4.7km az=31.0.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=4.1km az=98.0.
INMG Event type ke. Error ellipse: s-maj=6.8km s-min=3.2km az=107.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 10 10 00 18.3–1.0 35.56N–.02 3.62W–.03 17–8 61 0-3
MDD XII 10 10 00 18.4–.41 35.62N 3.62W 0 2.6 **¶621658896**
SFS XII 10 10 00 18.8 35.52N 3.66W 7 3.0L,2.9
CNRM XII 10 10 00 18.7–.64 35.55N 3.62W 21–4 3.0L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=49.0.
CNRM Error ellipse: s-maj=4.9km s-min=3.0km az=12.0.
ISC XII 10 21 52 54.0–.94 35.48N–.02 3.62W–.02 28–9 149 0-7
CNRM XII 10 21 52 53.3–.55 35.52N 3.61W 29–3 **¶621627312**
MDD XII 10 21 52 54.3–.44 35.50N 3.64W 8–3 3.0
SFS XII 10 21 52 54.4 35.45N 3.62W 19 3.4L,3.3
INMG XII 10 21 52 55.7–1.8 35.49N 3.74W 11–11 2.6L,3.3
ISC Event type ke.
CNRM Error ellipse: s-maj=5.0km s-min=3.4km az=27.0.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=161.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=114.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 09 22 19 04.9–1.1 35.46N–.03 3.65W–.03 15–9 78 0-5
CNRM XII 09 22 19 03.8–.78 35.58N 3.60W 23–4 **¶624815012**
MDD XII 09 22 19 05.2–.51 35.44N 3.66W 7–4 2.5
INMG XII 09 22 19 05.6–1.5 35.44N 3.64W 10–5 2.2L
ISC Event type ke.
CNRM Error ellipse: s-maj=6.3km s-min=3.6km az=12.0.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=153.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=112.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 09 22 54 48.8–1.0 35.44N–.03 3.61W–.03 26–12 68 0-6
CNRM XII 09 22 54 46.1–.95 35.63N 3.60W 8–5 **¶624815013**
MDD XII 09 22 54 49.2–.47 35.43N 3.61W 16–5 2.6
INMG XII 09 22 54 49.6–1.0 35.44N 3.59W 20–3 2.1L
ISC Event type ke.
CNRM Error ellipse: s-maj=7.6km s-min=4.1km az=14.0.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=151.0.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 09 05 46 19.7–1.2 35.54N–.02 3.67W–.02 6–10 86 0-5
MDD XII 09 05 46 21.7–.44 35.46N 3.65W 15–4 2.7 **¶624815008**
CNRM XII 09 05 46 21.1–.36 35.49N 3.62W 24–3 2.7
INMG XII 09 05 46 22.1–1.1 35.47N 3.62W 18–4 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=152.0.
CNRM Error ellipse: s-maj=3.0km s-min=2.6km az=61.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 10 02 20 26.2–1.0 35.45N–.02 3.68W–.02 16–9 92 0-5
SFS XII 10 02 20 26.0 35.51N 3.72W 0 2.8L,2.8 **¶621658895**
MDD XII 10 02 20 27.4–.37 35.51N 3.74W 0 2.4,2.8
CNRM XII 10 02 20 27.3–.72 35.50N 3.61W 26–4 2.4,2.8
INMG XII 10 02 20 29.1–1.7 35.55N 3.73W 4–9 2.1L,2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=25.0.
CNRM Error ellipse: s-maj=7.0km s-min=3.5km az=15.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=110.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 12 04 43 34.8–.99 35.47N–.02 3.63W–.02 25–10 163 0-7
CNRM XII 12 04 43 33.2–.52 35.58N 3.64W 21–4 **¶621658899**
SFS XII 12 04 43 35.0 35.46N 3.65W 10 3.1L,3.1L
MDD XII 12 04 43 35.2–.37 35.43N 3.62W 21–4 2.8,3.1L
INMG XII 12 04 43 35.8–1.5 35.48N 3.58W 22–5 2.1L,3.1L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.4km s-min=2.7km az=74.0.
MDD Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=161.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 13 03 17 29.1–1.1 35.47N–.02 3.63W–.02 19–3 52 0-4
CNRM XII 13 03 17 26.4–.82 35.67N 3.61W 17–3 **¶621658902**
SFS XII 13 03 17 27.4 35.47N 3.71W 0 2.7L,2.7
MDD XII 13 03 17 30.9–.55 35.44N 3.53W 22–6 2.2,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=5.9km s-min=3.8km az=12.0.
MDD Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=113.0.
ISC XII 12 09 18 52.3–1.1 35.47N–.03 3.66W–.03 30–12 32 0-2
SFS XII 12 09 18 51.8 35.38N 3.63W 28 2.6L,2.5 **¶621658900**
CNRM XII 12 09 18 51.3–.73 35.66N 3.71W 34–3 2.6L,2.5
MDD XII 12 09 18 55.0–.98 35.46N 3.58W 27–14 2.1,2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=6.0km s-min=2.9km az=23.0.
MDD Event type ke. Error ellipse: s-maj=9.9km s-min=8.8km az=135.0.
ISC XII 12 17 07 39.1–1.1 35.49N–.02 3.67W–.02 11–9 88 0-5
CNRM XII 12 17 07 38.6–.58 35.61N 3.65W 2–4 **¶621658901**
SFS XII 12 17 07 39.9 35.44N 3.71W 5 2.9L,2.9L
MDD XII 12 17 07 40.2–.53 35.47N 3.69W 8–4 2.5,2.9L
INMG XII 12 17 07 40.1–1.6 35.39N 3.66W 17 2.0L,2.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=3.2km az=97.0.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=145.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=9.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 13 04 54 57.0–1.1 35.51N–.03 3.63W–.03 23–12 42 0-5
CNRM XII 13 04 54 55.5–.43 35.60N 3.63W 23–2 **¶621658903**
SFS XII 13 04 54 57.1 35.31N 3.65W 38 2.8L,2.8
MDD XII 13 04 54 59.5–.62 35.62N 3.39W 26 2.3,2.8
INMG XII 13 04 54 59.2–.98 35.66N 3.41W 18–7 1.8L,2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=3.6km s-min=2.4km az=11.0.
MDD Event type ke. Error ellipse: s-maj=9.1km s-min=3.2km az=56.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=56.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 13 11 40 42.6–1.0 35.52N–.02 3.69W–.02 24–11 134 0-7
CNRM XII 13 11 40 41.1–.47 35.59N 3.66W 26–3 **¶621627995**
SFS XII 13 11 40 43.4 35.51N 3.69W 16 3.7L,3.6
MDD XII 13 11 40 44.0–.42 35.51N 3.64W 15–3 3.3,3.6
INMG XII 13 11 40 45.1–1.6 35.52N 3.67W 27–7 3.1L,3.6
ISC Event type ke.
CNRM Error ellipse: s-maj=4.0km s-min=3.2km az=44.0.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=156.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=152.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 13 11 47 56.6–1.1 35.55N–.02 3.72W–.02 8–10 68 0-5
SFS XII 13 11 47 55.8 35.50N 3.78W 0 3.0L,2.9 **¶621658904**
MDD XII 13 11 47 57.8–.53 35.49N 3.73W 0 2.8,2.9
CNRM XII 13 11 47 57.4–1.1 35.56N 3.68W 22–9 2.8,2.9
INMG XII 13 11 47 58.6–1.6 35.46N 3.68W 13 2.2L,2.9
IGIL XII 13 11 47 59.0 35.49N 3.73W 0 2.2L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=30.0.
CNRM Error ellipse: s-maj=9.4km s-min=5.1km az=175.0.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=3.3km az=16.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.
ISC XII 13 11 49 15.3–1.3 35.52N–.04 3.66W–.04 19–3 19 0-4
CNRM XII 13 11 49 15.3–.74 35.54N 3.60W 16–3 **¶625204545**
MDD XII 13 11 49 16.1–.95 35.45N 3.67W 24–13 2.5

ISC Event type ke.
CNRM Error ellipse: s-maj=6.2km s-min=2.9km az=173.0.
MDD Event type ke. Error ellipse: s-maj=11.3km s-min=7.5km az=163.0.
ISC XII 15 05 21 12.5–.96 35.50N–.03 3.63W–.02 27–10 113 0-7
CNRM XII 15 05 21 11.7–.77 35.54N 3.62W 27–6 **¶621658912**
MDD XII 15 05 21 12.7–.43 35.47N 3.65W 18–5 2.6
SFS XII 15 05 21 12.6 35.50N 3.65W 9 3.3L,3.3L
INMG XII 15 05 21 13.7–1.6 35.49N 3.57W 26–11 2.1L,3.3L
ISC Event type ke.
CNRM Error ellipse: s-maj=9.0km s-min=4.5km az=1.0.
MDD Event type ke. Error ellipse: s-maj=5.4km s-min=2.7km az=165.0.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=153.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 14 19 05 60.0–.97 35.50N–.03 3.66W–.02 26–11 80 0-5
CNRM XII 14 19 05 58.0–1.0 35.63N 3.63W 20–7 **¶621658910**
MDD XII 14 19 06 00.1–.47 35.47N 3.66W 18–5 2.4
SFS XII 14 19 06 00.2 35.43N 3.68W 16 3.1L,3.0
INMG XII 14 19 06 00.7–1.7 35.52N 3.66W 17–7 1.9L,3.0
ISC Event type ke.
CNRM Error ellipse: s-maj=5.8km s-min=4.0km az=8.0.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=154.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 13 20 57 41.9–1.1 35.54N–.02 3.66W–.02 18–5 74 0-5
CNRM XII 13 20 57 40.1–1.2 35.65N 3.66W 10–8 **¶621658906**
INMG XII 13 20 57 42.6–1.5 35.54N 3.65W 14–9 1.9L
MDD XII 13 20 57 42.5–.59 35.50N 3.66W 14–5 2.3
SFS XII 13 20 57 42.6 35.45N 3.70W 13 2.8L,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=9.6km s-min=4.8km az=165.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=117.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=131.0.
ISC XII 14 04 36 21.2–1.3 36.96N–.04 3.95W–.03 60–6 61 0-4
MDD XII 14 04 36 22.8–.47 36.96N 3.97W 53–3 3.2b **¶621629141**
SFS XII 14 04 36 22.6 36.96N 3.93W 55 3.2L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=171.0.
ISC XII 14 00 59 06.0–1.1 35.49N–.02 3.65W–.02 11–9 74 0-5
MDD XII 14 00 59 06.1–.48 35.47N 3.74W 0 2.5 **¶621658909**
CNRM XII 14 00 59 06.0–.82 35.58N 3.63W 2–6 2.5
SFS XII 14 00 59 06.7 35.46N 3.67W 2 2.9L,2.9
INMG XII 14 00 59 07.2–1.7 35.42N 3.67W 2–11 1.9L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=56.0.
CNRM Error ellipse: s-maj=5.6km s-min=5.0km az=25.0.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=4.8km az=120.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 15 05 24 35.9–1.1 35.54N–.02 3.64W–.02 23–12 111 0-5
CNRM XII 15 05 24 34.8–.77 35.60N 3.65W 25–6 **¶621658913**
MDD XII 15 05 24 35.9–.46 35.51N 3.66W 15–4 2.6
SFS XII 15 05 24 35.8 35.50N 3.67W 7 3.2L,3.1
INMG XII 15 05 24 36.5–1.7 35.52N 3.63W 15–7 2.0L,3.1
IGIL XII 15 05 24 37.6 35.51N 3.66W 15 2.0L,3.1
ISC Event type ke.
CNRM Error ellipse: s-maj=6.8km s-min=5.3km az=42.0.
MDD Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=158.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=113.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
ISC XII 16 21 28 09.5–.00 35.54N–.02 3.65W–.03 16–8 85 0-7
CNRM XII 16 21 28 09.0–.60 35.58N 3.65W 17–3 **¶621658917**
SFS XII 16 21 28 09.6 35.52N 3.69W 0 3.2L,3.2
INMG XII 16 21 28 10.9–1.4 35.53N 3.80W 5 2.1L,3.2
IGIL XII 16 21 28 11.7 35.53N 3.77W 9 2.1L,3.2
ISC Event type ke.
CNRM Error ellipse: s-maj=4.0km s-min=3.3km az=61.0.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=3.1km az=81.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
ISC XII 15 22 42 35.7–1.1 36.38N–.02 4.53W–.02 93–6 250 0-7
CNRM XII 15 22 42 36.8–.33 36.32N 4.60W 80–8 **¶621630892**
MDD XII 15 22 42 38.4–.24 36.40N 4.54W 81–3 3.5b
INMG XII 15 22 42 38.8–2.0 36.47N 4.57W 70–5 3.4L
SFS XII 15 22 42 38.2 36.39N 4.51W 79 3.8L,3.8L
IGIL XII 15 22 42 39.1 36.40N 4.54W 75 3.5L,3.8L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.4km s-min=2.5km az=84.0.
MDD Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=163.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=169.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
IGIL Event type se. Presumed earthquake.
ISC XII 16 06 05 27.1–1.4 35.56N–.05 3.66W–.04 8–13 42 0-5
INMG XII 16 06 05 28.6–1.6 35.48N 3.57W 18 1.9L **¶624815033**
CNRM XII 16 06 05 28.1–.58 35.62N 3.88W 4–3 1.9L
MDD XII 16 06 05 29.1–.77 35.46N 3.58W 17–8 2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=50.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=7.0km s-min=2.3km az=89.0.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=4.6km az=118.0.
ISC XII 17 19 30 46.5–1.3 35.52N–.03 3.68W–.03 14–11 52 0-5
CNRM XII 17 19 30 45.4–1.1 35.65N 3.66W 13–5 **¶624815040**
MDD XII 17 19 30 46.9–.51 35.48N 3.69W 9–4 2.5
INMG XII 17 19 30 48.1–1.1 35.50N 3.65W 14–5 1.8L
ISC Event type ke.
CNRM Error ellipse: s-maj=7.6km s-min=5.5km az=177.0.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=157.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=125.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 16 20 44 59.1–.98 36.83N–.03 4.04W–.02 17–8 81 0-5
MDD XII 16 20 45 00.9–.30 36.84N 4.03W 15–1 2.2 **¶621658916**
SFS XII 16 20 45 00.1 36.79N 4.06W 8 2.6L,2.6
INMG XII 16 20 45 00.8–1.6 36.84N 4.05W 12–3 1.8L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=176.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=8.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Malaga (ESP).
ISC XII 17 09 16 49.6–1.1 35.49N–.03 3.64W–.03 10–10 125 0-7
CNRM XII 17 09 16 49.3–.59 35.56N 3.57W 17–4 **¶621658918**
MDD XII 17 09 16 50.6–.49 35.38N 3.63W 10–4 2.8
SFS XII 17 09 16 50.6 35.46N 3.57W 15 3.3L,3.2
IGIL XII 17 09 16 51.0 35.38N 3.63W 10 3.3L,3.2
INMG XII 17 09 16 51.5–1.9 35.47N 3.64W 14–8 2.4L,3.2
ISC Event type ke.
CNRM Error ellipse: s-maj=4.6km s-min=3.4km az=95.0.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=157.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=127.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 18 01 56 09.3–1.2 35.52N–.02 3.61W–.02 7–10 96 0-5
MDD XII 18 01 56 10.2–.36 35.50N 3.61W 0 2.5 **¶621658921**
CNRM XII 18 01 56 10.6–.77 35.50N 3.56W 23–4 2.5
SFS XII 18 01 56 11.7 35.57N 3.57W 3 3.0L,2.9
INMG XII 18 01 56 11.6–1.3 35.47N 3.61W 16–6 2.2L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=22.0.
CNRM Error ellipse: s-maj=7.6km s-min=3.7km az=1.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=127.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 17 17 01 11.7–.00 35.51N–.03 3.61W–.03 22–7 74 0-5
SFS XII 17 17 01 10.9 35.32N 3.71W 15 3.2L,3.1 **¶621658920**
CNRM XII 17 17 01 10.7–1.7 35.66N 3.50W 5 3.2L,3.1
MDD XII 17 17 01 12.0–.48 35.43N 3.61W 22–5 2.7,3.1
INMG XII 17 17 01 12.6–1.4 35.51N 3.64W 18–6 2.0L,3.1
ISC Event type ke.
CNRM Error ellipse: s-maj=12.5km s-min=5.4km az=174.0.
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=148.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=132.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 19 13 25 08.4–.96 35.19N–.03 3.90W–.03 18–5 44 0-6
CNRM XII 19 13 25 08.1–.38 35.20N 3.93W 18–2 **¶624815051**
INMG XII 19 13 25 09.1–1.9 35.21N 3.99W 0–12 2.2L
MDD XII 19 13 25 11.5–1.2 35.42N 3.92W 16 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=4.5km s-min=2.8km az=175.0.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=6.0km az=103.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=10.5km s-min=4.0km az=43.0.
ISC XII 18 04 22 22.5–1.3 35.50N–.02 3.64W–.03 18–4 110 0-6
MDD XII 18 04 22 23.1–.50 35.48N 3.65W 8–4 2.9 **¶621633326**
CNRM XII 18 04 22 23.4–.58 35.44N 3.59W 32–4 2.9
INMG XII 18 04 22 23.6–1.5 35.48N 3.63W 10 2.4L
SFS XII 18 04 22 23.7 35.49N 3.63W 17 3.3L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=155.0.
CNRM Error ellipse: s-maj=8.0km s-min=4.3km az=171.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=93.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 18 04 33 19.2–1.0 35.52N–.02 3.61W–.02 19–3 3.6b 217 0-77
IDC XII 18 04 33 17.7–.95 35.49N 3.47W 0 3.6b,3.5 **¶621633371**
MDD XII 18 04 33 18.8–.29 35.47N 3.63W 6 3.2,3.5
CNRM XII 18 04 33 18.9–.67 35.44N 3.57W 12–4 3.2,3.5
INMG XII 18 04 33 19.6–1.7 35.49N 3.60W 14–7 2.9L,3.5
IGIL XII 18 04 33 19.4 35.47N 3.63W 6 2.9L,3.5
SFS XII 18 04 33 20.0 35.46N 3.60W 15 3.8L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=10.1km az=104.0.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=177.0.
CNRM Error ellipse: s-maj=6.1km s-min=4.0km az=174.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=143.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.
ISC XII 18 15 23 22.9–1.1 35.58N–.03 3.61W–.03 9–10 24 0-4
CNRM XII 18 15 23 21.7–1.0 35.67N 3.61W 15–3 **¶625204981**
MDD XII 18 15 23 23.1–.75 35.60N 3.62W 0 2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=6.2km s-min=4.5km az=18.0.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=2.8km az=52.0.
ISC XII 18 15 57 53.6–.00 35.51N–.04 3.59W–.04 20–9 31 0-5
CNRM XII 18 15 57 51.0–1.1 35.63N 3.50W 10 **¶624815044**
MDD XII 18 15 57 54.0–.72 35.45N 3.62W 20–9 2.5
INMG XII 18 15 57 55.3–1.2 35.49N 3.52W 23–6 1.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=8.6km s-min=4.3km az=165.0.
MDD Event type ke. Error ellipse: s-maj=9.5km s-min=5.7km az=169.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=3.5km az=110.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 18 07 07 06.9–1.1 35.48N–.02 3.63W–.02 19–3 76 0-7
MDD XII 18 07 07 06.7–.46 35.44N 3.68W 3–4 2.5 **¶624815043**
INMG XII 18 07 07 07.3–1.4 35.42N 3.65W 11–6 2.0L
CNRM XII 18 07 07 08.3–.48 35.35N 3.56W 20–2 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=156.0.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=73.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=6.4km s-min=2.1km az=3.0.
ISC XII 20 16 00 00.6–1.0 35.43N–.02 3.65W–.02 23–10 120 0-6
CNRM XII 20 15 59 60.0–.52 35.47N 3.65W 28–4 **¶621634791**
SFS XII 20 15 59 59.9 35.39N 3.69W 5 3.2L,3.1
INMG XII 20 16 00 00.7–1.5 35.41N 3.65W 11–10 2.4L,3.1
MDD XII 20 16 00 02.0–.39 35.42N 3.60W 20 2.8,3.1
ISC Event type ke.
CNRM Error ellipse: s-maj=4.2km s-min=3.4km az=84.0.
INMG Event type ke. Error ellipse: s-maj=8.5km s-min=3.7km az=147.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=2.0.
CNRM XII 20 07 38 57.1–1.2 35.36N 3.63W 41–10 ¶636235714
CNRM Error ellipse: s-maj=10.1km s-min=5.2km az=173.0.
MDD XII 20 07 39 32.0–.49 36.97N 4.40W 1 1.7 ¶625205055
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=10.0.
ISC XII 20 02 42 55.0–1.0 35.53N–.02 3.61W–.02 15–8 158 0-7
CNRM XII 20 02 42 54.9–.43 35.54N 3.59W 20–3 **¶621658924**
SFS XII 20 02 42 55.8 35.44N 3.64W 6 3.3L,3.2
MDD XII 20 02 42 56.0–.41 35.46N 3.62W 14–4 2.8,3.2
IGIL XII 20 02 42 56.6 35.46N 3.62W 14 2.8,3.2
INMG XII 20 02 42 56.6–1.3 35.46N 3.58W 20–4 2.4L,3.2
ISC Event type ke.
CNRM Error ellipse: s-maj=3.0km s-min=1.9km az=130.0.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=167.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=143.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 20 12 42 27.8–1.0 35.50N–.03 3.64W–.03 15–9 49 0-5
CNRM XII 20 12 42 26.7–.77 35.58N 3.64W 24–4 **¶621658925**
SFS XII 20 12 42 27.1 35.24N 3.33W 75 2.8L,2.7
MDD XII 20 12 42 28.5–.92 35.43N 3.64W 21–12 2.8,2.7
INMG XII 20 12 42 28.5–2.0 35.46N 3.64W 11–13 2.1L,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=6.6km s-min=3.6km az=174.0.
MDD Event type ke. Error ellipse: s-maj=10.9km s-min=7.6km az=159.0.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=4.7km az=104.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 19 07 51 27.0–1.0 35.45N–.02 3.61W–.02 24–11 127 0-7
INMG XII 19 07 51 27.7–1.6 35.47N 3.60W 13–8 2.5L **¶621633621**
MDD XII 19 07 51 28.4–.32 35.51N 3.56W 15 3.0
SFS XII 19 07 51 28.7 35.44N 3.57W 21 3.2L,3.1
IGIL XII 19 07 51 28.2 35.51N 3.56W 15 3.2L,3.1
CNRM XII 19 07 51 30.0–.89 35.38N 3.94W 28–3 3.2L,3.1
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=146.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=14.0.
IGIL Event type se. Presumed earthquake.
CNRM Error ellipse: s-maj=9.2km s-min=5.2km az=62.0.
ISC XII 19 08 06 13.5–1.1 35.51N–.03 3.60W–.03 16–9 24 0-5
INMG XII 19 08 06 14.5–2.0 35.51N 3.66W 0–10 1.6L **¶624815049**
MDD XII 19 08 06 16.2–.99 35.63N 3.51W 0 2.5
CNRM XII 19 08 06 16.0–.80 35.38N 3.59W 22–3 2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=12.3km s-min=7.3km az=56.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=11.8km s-min=2.9km az=60.0.
CNRM Error ellipse: s-maj=6.0km s-min=3.5km az=26.0.
ISC XII 20 16 04 06.2–.87 35.46N–.02 3.62W–.03 22–8 71 0-5
CNRM XII 20 16 04 05.4–.40 35.49N 3.60W 23–3 **¶621658927**
MDD XII 20 16 04 06.5–.75 35.50N 3.64W 20 2.7
SFS XII 20 16 04 07.0 35.42N 3.62W 18 3.1L,3.0
INMG XII 20 16 04 07.2–1.1 35.45N 3.61W 17–7 2.0L,3.0
ISC Event type ke.

CNRM Error ellipse: s-maj=2.8km s-min=2.5km az=41.0.
MDD Event type ke. Error ellipse: s-maj=7.1km s-min=3.2km az=44.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=102.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**21 00 31 57.7–.86**	**35.17N–.02**	**3.95W–.02**	**15–5**		**216**	**0-8**
MDD	XII	21 00 31 58.0–.37	35.13N	3.91W	0	3.3		**¶621635018**
CRAAG	XII	21 00 31 57.0	35.13N	3.91W		3.3b		
CNRM	XII	21 00 31 57.5–.27	35.18N	3.99W	16–1	3.3b		
SFS	XII	21 00 31 58.4	35.17N	3.96W	0	3.9L,3.6L		
IGIL	XII	21 00 31 58.4	35.13N	3.91W	2	2.4L,3.6L		
INMG	XII	21 00 32 00.5–1.6	35.19N	3.96W	17–6	2.9L,3.6L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=173.0.
CRAAG Maroc.
CNRM Error ellipse: s-maj=1.9km s-min=1.4km az=93.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=106.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Al Hoceima (MARR).

ISC	**XII**	**20 16 09 23.5–.89**	**35.44N–.02**	**3.61W–.02**	**22–6**		**130**	**0-7**
CNRM	XII	20 16 09 22.9–.43	35.48N	3.65W	27–3			**¶621634792**
SFS	XII	20 16 09 23.8	35.31N	3.58W	27	3.2L,3.1		
MDD	XII	20 16 09 23.8–.43	35.30N	3.55W	20	2.9,3.1		
INMG	XII	20 16 09 23.0–1.6	35.44N	3.66W	0–7	2.5L,3.1		

ISC Event type ke.
CNRM Error ellipse: s-maj=3.2km s-min=2.4km az=112.0.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=163.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=116.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**20 16 27 33.2–1.1**	**35.51N–.03**	**3.64W–.03**	**13–10**		**37**	**0-5**
CNRM	XII	20 16 27 31.9–.66	35.60N	3.60W	15–3			**¶624815053**
MDD	XII	20 16 27 34.1–.88	35.49N	3.62W	16	2.6		
INMG	XII	20 16 27 34.7–1.4	35.44N	3.60W	21–8	1.8L		

ISC Event type ke.
CNRM Error ellipse: s-maj=4.7km s-min=3.3km az=25.0.
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=4.2km az=43.0.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=3.4km az=98.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**20 21 39 06.2–1.1**	**35.50N–.02**	**3.71W–.02**	**10–8**	**3.5b**	**260**	**0-68**
IDC	XII	20 21 39 04.9–1.9	35.45N	3.75W	0	3.5L,3.4b		**¶621635000**
CNRM	XII	20 21 39 06.4–.45	35.52N	3.72W	23–4	3.5L,3.4b		
IGIL	XII	20 21 39 06.9	35.46N	3.70W	2	3.1L,3.4b		
CRAAG	XII	20 21 39 06.0	35.46N	3.70W		3.6b,3.4b		
MDD	XII	20 21 39 06.6–.31	35.46N	3.70W	0	3.6,3.4b		
INMG	XII	20 21 39 07.5–1.7	35.49N	3.67W	11–7	3.3L,3.4b		
SFS	XII	20 21 39 07.2	35.51N	3.63W	9	3.9L,3.9L		

ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=17.5km az=60.0.
CNRM Error ellipse: s-maj=3.3km s-min=2.2km az=92.0.
IGIL Event type se. Presumed earthquake.
CRAAG Maroc.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=6.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**21 00 38 49.8–.95**	**35.54N–.02**	**3.70W–.02**	**13–7**	**3.8b**	**226**	**0-63**
SFS	XII	21 00 38 47.0	35.17N	3.49W	112	3.7,3.7L		**¶621635020**
CNRM	XII	21 00 38 48.8–.30	35.59N	3.67W	12–2	3.7,3.7L		
IGIL	XII	21 00 38 49.4	35.45N	3.66W	0	2.9L,3.7L		
CRAAG	XII	21 00 38 49.0	35.45N	3.66W		3.5b,3.7L		
IDC	XII	21 00 38 49.7–2.4	35.58N	3.43W	0	3.7L,3.7b		
MDD	XII	21 00 38 49.3–.40	35.45N	3.66W	0–3	3.5,3.7b		
INMG	XII	21 00 38 50.3–1.7	35.43N	3.66W	18–7	3.1L,3.7b		

ISC Event type ke.
CNRM Error ellipse: s-maj=1.9km s-min=1.3km az=101.0.
IGIL Event type se. Presumed earthquake.
CRAAG Maroc.
IDC Error ellipse: s-maj=39.2km s-min=17.7km az=57.0.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=1.8km az=173.0.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=3.2km az=160.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**21 00 44 37.8–1.1**	**35.52N–.02**	**3.71W–.02**	**9–9**		**116**	**0-6**
CNRM	XII	21 00 44 38.3–.67	35.55N	3.64W	22–14			**¶621658928**
SFS	XII	21 00 44 39.2	35.48N	3.70W	8	3.1L,3.0L		
MDD	XII	21 00 44 39.1–.34	35.46N	3.70W	0	2.7,3.0L		
IGIL	XII	21 00 44 39.4	35.46N	3.70W	0	2.7,3.0L		
INMG	XII	21 00 44 39.9–1.4	35.50N	3.77W	2	2.2L,3.0L		

ISC Event type ke.
CNRM Error ellipse: s-maj=10.6km s-min=2.7km az=175.0.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=8.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=120.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**21 00 58 42.5–1.1**	**35.52N–.03**	**3.66W–.02**	**14–8**	**3.6b**	**256**	**0-68**
IGIL	XII	21 00 58 42.5	35.48N	3.65W	2	2.8L		**¶621635021**
CNRM	XII	21 00 58 42.3–.32	35.52N	3.65W	27–2	2.8L		
IDC	XII	21 00 58 43.1–2.0	35.57N	3.65W	0	3.6L,3.4b		
MDD	XII	21 00 58 43.2–.34	35.48N	3.65W	9–2	3.5,3.4b		
SFS	XII	21 00 58 43.1	35.51N	3.66W	9	3.9L,3.9L		
INMG	XII	21 00 58 44.1–1.8	35.50N	3.64W	22–6	3.1L,3.9L		

ISC Event type ke.
IGIL Event type se. Presumed earthquake.
CNRM Error ellipse: s-maj=2.3km s-min=1.8km az=101.0.
IDC Error ellipse: s-maj=37.2km s-min=20.5km az=75.0.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=173.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=133.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**21 03 42 29.2–1.2**	**35.50N–.03**	**3.66W–.03**	**10–10**		**65**	**0-5**
MDD	XII	21 03 42 29.8–.66	35.46N	3.68W	2–4	2.4		**¶621658931**
SFS	XII	21 03 42 29.1	35.47N	3.70W	3	2.6L,2.6L		
CNRM	XII	21 03 42 29.4–.59	35.53N	3.59W	12–2	2.6L,2.6L		
INMG	XII	21 03 42 31.0–1.2	35.45N	3.60W	17–7	2.0L,2.6L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=82.0.
CNRM Error ellipse: s-maj=5.1km s-min=2.4km az=179.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=3.0km az=103.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**21 01 24 56.5–1.1**	**35.47N–.03**	**3.64W–.03**	**16–9**		**119**	**0-6**
SFS	XII	21 01 24 57.0	35.43N	3.66W	12	2.9L,2.8		**¶621658929**
MDD	XII	21 01 24 56.7–.48	35.45N	3.67W	7–3	2.6,2.8		
CNRM	XII	21 01 24 56.5–.42	35.45N	3.62W	24–4	2.6,2.8		
INMG	XII	21 01 24 57.6–1.7	35.45N	3.62W	16–9	2.1L,2.8		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=161.0.
CNRM Error ellipse: s-maj=3.6km s-min=2.8km az=103.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=109.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**21 07 53 03.1–1.2**	**35.51N–.02**	**3.64W–.02**	**19–3**		**84**	**0-5**
SFS	XII	21 07 53 02.9	35.49N	3.75W	3	2.9L,2.8		**¶621658934**
CNRM	XII	21 07 53 02.9–.85	35.57N	3.67W	27–4	2.9L,2.8		
MDD	XII	21 07 53 04.1–.48	35.50N	3.63W	17–5	2.5,2.8		
INMG	XII	21 07 53 04.8–1.8	35.47N	3.57W	22–9	2.1L,2.8		

ISC Event type ke.
CNRM Error ellipse: s-maj=6.3km s-min=3.8km az=54.0.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=148.0.
INMG Event type ke. Error ellipse: s-maj=7.7km s-min=6.1km az=141.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**21 01 39 40.6–1.7**	**35.50N–.02**	**3.63W–.02**	**12–13**		**70**	**0-5**
CNRM	XII	21 01 39 41.6–.66	35.50N	3.66W	23–3			**¶621658930**
MDD	XII	21 01 39 42.9–.74	35.46N	3.68W	13–9	2.3		
SFS	XII	21 01 39 42.2	35.48N	3.69W	10	2.6L,2.6L		
INMG	XII	21 01 39 42.7–1.1	35.50N	3.67W	8–5	2.0L,2.6L		

ISC Event type ke.
CNRM Error ellipse: s-maj=6.3km s-min=3.1km az=177.0.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=4.9km az=3.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=120.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.

ISC	**XII**	**21 04 58 21.3–1.2**	**35.45N–.02**	**3.66W–.02**	**15–10**		**108**	**0-5**
CNRM	XII	21 04 58 22.6–.39	35.48N	3.59W	17–2			**¶621658933**
SFS	XII	21 04 58 22.4	35.48N	3.67W	8	2.9L,2.8		
MDD	XII	21 04 58 23.1–.49	35.44N	3.61W	9–4	2.7,2.8		
INMG	XII	21 04 58 23.4–1.8	35.49N	3.65W	10	2.2L,2.8		

ISC Event type ke.
CNRM Error ellipse: s-maj=3.4km s-min=2.8km az=166.0.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=154.0.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=149.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**21 09 02 54.6–.96**	**35.50N–.02**	**3.59W–.02**	**16–7**	**3.6b**	**162**	**0-79**
IDC	XII	21 09 02 51.2–2.6	35.37N	3.88W	0	3.5b,3.4		**¶621635089**
MDD	XII	21 09 02 54.5–.36	35.44N	3.59W	17–3	3.2,3.4		
CNRM	XII	21 09 02 54.1–.63	35.53N	3.60W	19–3	3.2,3.4		
SFS	XII	21 09 02 54.6	35.45N	3.68W	0	3.6L,3.5		
IGIL	XII	21 09 02 55.7	35.44N	3.59W	17	3.6L,3.5		
INMG	XII	21 09 02 55.4–1.5	35.48N	3.57W	22–5	2.9L,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=51.2km s-min=19.3km az=72.0.
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=2.0km az=162.0.
CNRM Error ellipse: s-maj=3.5km s-min=2.4km az=95.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**21 13 37 58.6–1.1**	**35.54N–.03**	**3.61W–.03**	**9–10**		**22**	**0-2**
CNRM	XII	21 13 37 57.6–1.9	35.65N	3.57W	1–11			**¶625205090**
MDD	XII	21 13 37 58.9–.93	35.43N	3.71W	17	2.5		

ISC Event type ke.
CNRM Error ellipse: s-maj=13.0km s-min=5.4km az=169.0.
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=3.5km az=42.0.

CNRM	**XII**	**21 14 27 18.0–1.8**	**36.22N**	**3.63W**	**6–6**			**¶636235738**

CNRM Error ellipse: s-maj=10.9km s-min=8.7km az=171.0.

MDD	**XII**	**21 14 27 45.4–1.3**	**35.70N**	**3.63W**	**20**	**2.4**		**¶625205091**

MDD Event type ke. Error ellipse: s-maj=8.4km s-min=5.4km az=12.0.

ISC	**XII**	**21 17 41 49.5–1.0**	**35.51N–.03**	**3.70W–.03**	**17–9**		**39**	**0-5**
SFS	XII	21 17 41 47.4	35.51N	3.80W	0	2.6L,2.5		**¶621658936**
CNRM	XII	21 17 41 49.7–1.2	35.62N	3.62W	8–10	2.6L,2.5		
INMG	XII	21 17 41 50.4–1.5	35.47N	3.68W	8–9	1.5L,2.5		
MDD	XII	21 17 41 51.0–.86	35.44N	3.66W	17	2.5,2.5		

ISC Event type ke.
CNRM Error ellipse: s-maj=9.9km s-min=3.5km az=166.0.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=140.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=3.7km az=39.0.

ISC	**XII**	**21 15 32 59.7–1.4**	**35.52N–.04**	**3.59W–.04**	**17–12**		**16**	**0-1**
CNRM	XII	21 15 33 00.3–.88	35.54N	3.59W	5			**¶625205096**
MDD	XII	21 15 33 00.9–1.3	35.49N	3.62W	18–13	2.5		

ISC Event type ke.
CNRM Error ellipse: s-maj=6.6km s-min=2.2km az=168.0.
MDD Event type ke. Error ellipse: s-maj=12.1km s-min=6.2km az=78.0.

ISC	**XII**	**21 17 44 21.1–1.1**	**35.50N–.03**	**3.64W–.03**	**23–12**		**40**	**0-5**
CNRM	XII	21 17 44 19.6–.77	35.60N	3.62W	11–4			**¶621658937**
SFS	XII	21 17 44 20.4	35.47N	3.72W	1	2.8L,2.6		
MDD	XII	21 17 44 20.2–.82	35.44N	3.74W	12	2.5,2.6		

ISC Event type ke.
CNRM Error ellipse: s-maj=5.9km s-min=3.1km az=167.0.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=3.5km az=40.0.

ISC	**XII**	**22 13 13 38.7–1.0**	**35.52N–.02**	**3.62W–.02**	**14–9**		**134**	**0-7**
CNRM	XII	22 13 13 38.8–.55	35.54N	3.59W	23–4			**¶621644242**
MDD	XII	22 13 13 38.6–.33	35.51N	3.70W	0	3.0		
SFS	XII	22 13 13 39.7	35.45N	3.64W	5	3.4L,3.4L		
INMG	XII	22 13 13 40.2–1.7	35.48N	3.64W	18–7	2.7L,3.4L		
IGIL	XII	22 13 13 40.1	35.51N	3.70W	0	2.7L,3.4L		

ISC Event type ke.
CNRM Error ellipse: s-maj=4.0km s-min=3.2km az=56.0.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=7.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=102.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.

ISC	**XII**	**21 19 55 08.8–1.1**	**35.50N–.03**	**3.73W–.03**	**8–10**		**54**	**0-5**
CNRM	XII	21 19 55 07.6–1.3	35.71N	3.65W	4–8			**¶621658938**
MDD	XII	21 19 55 09.1–.49	35.42N	3.74W	5–4	2.3		
SFS	XII	21 19 55 10.5	35.45N	3.65W	25	2.6L,2.4		

ISC Event type ke.
CNRM Error ellipse: s-maj=9.0km s-min=4.0km az=167.0.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=155.0.

ISC	**XII**	**21 20 48 48.0–1.0**	**35.53N–.02**	**3.68W–.02**	**15–9**		**115**	**0-6**
MDD	XII	21 20 48 47.9–.46	35.47N	3.70W	2–4	2.5		**¶621658939**
SFS	XII	21 20 48 48.2	35.48N	3.71W	14	2.7L,2.6		
CNRM	XII	21 20 48 48.1–.71	35.56N	3.60W	12–4	2.7L,2.6		
INMG	XII	21 20 48 49.3–1.4	35.51N	3.69W	12–6	2.0L,2.6		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=161.0.
CNRM Error ellipse: s-maj=5.1km s-min=4.9km az=151.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.3km az=131.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.

ISC	**XII**	**22 13 15 09.1–.82**	**35.24N–.02**	**3.93W–.02**	**17–5**		**121**	**0-7**
MDD	XII	22 13 15 09.0–.55	35.20N	3.93W	4–5	2.8		**¶621658942**
CNRM	XII	22 13 15 09.9–.41	35.14N	3.89W	8–3	2.8		
SFS	XII	22 13 15 09.4	35.18N	3.93W	8	3.4L,3.3		
INMG	XII	22 13 15 10.1–1.7	35.20N	3.88W	12–7	2.7L,3.3		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=2.7km az=155.0.
CNRM Error ellipse: s-maj=4.8km s-min=3.6km az=1.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=103.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Al Hoceima (MARR).

ISC	**XII**	**22 12 06 13.6–.98**	**35.50N–.02**	**3.61W–.02**	**17–8**		**130**	**0-7**
CNRM	XII	22 12 06 12.4–.41	35.59N	3.57W	8–2			**¶621658941**
MDD	XII	22 12 06 13.8–.44	35.47N	3.61W	10–2	2.8		
INMG	XII	22 12 06 14.6–2.1	35.44N	3.58W	25–14	2.5L		
SFS	XII	22 12 06 14.7	35.44N	3.58W	9	3.1L,3.0		

ISC Event type ke.
CNRM Error ellipse: s-maj=2.9km s-min=2.2km az=137.0.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=10.0.
INMG Event type ke. Error ellipse: s-maj=8.5km s-min=5.1km az=155.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**22 16 55 07.5–1.1**	**35.49N–.03**	**3.60W–.03**	**24–13**		**39**	**0-5**
MDD	XII	22 16 55 07.5–1.1	35.44N	3.64W	24–13	2.5		**¶624815070**
CNRM	XII	22 16 55 07.3–.61	35.51N	3.58W	29–3	2.5		
INMG	XII	22 16 55 08.6–2.3	35.48N	3.60W	18–14	2.0L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.3km s-min=8.6km az=156.0.
CNRM Error ellipse: s-maj=5.5km s-min=3.6km az=21.0.
INMG Event type ke. Error ellipse: s-maj=10.6km s-min=5.5km az=100.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).

ISC	**XII**	**22 18 22 35.2–1.5**	**35.47N–.02**	**3.69W–.03**	**20–5**		**72**	**0-5**
MDD	XII	22 18 22 35.4–.56	35.51N	3.72W	5–4	2.7		**¶621658943**
SFS	XII	22 18 22 36.0	35.48N	3.67W	0	3.1L,3.0L		
CNRM	XII	22 18 22 35.4–.39	35.48N	3.65W	30–2	3.1L,3.0L		
INMG	XII	22 18 22 36.0–1.6	35.52N	3.72W	7	2.2L,3.0L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=63.0.
CNRM Error ellipse: s-maj=3.4km s-min=2.8km az=20.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=61.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.

ISC XII 22 14 37 20.5–.97 35.43N–.04 3.62W–.03 28–10 38 0-5
CNRM XII 22 14 37 19.6–1.0 35.50N 3.64W 22–6 ¶624815068
MDD XII 22 14 37 20.9–.64 35.41N 3.63W 26–10 2.6
INMG XII 22 14 37 21.7–1.7 35.48N 3.58W 23–9 2.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=10.2km s-min=4.6km az=9.0.
MDD Event type ke. Error ellipse: s-maj=9.0km s-min=4.8km az=157.0.
INMG Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=104.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 22 22 38 16.2–.00 35.44N–.02 3.59W–.02 25–10 131 0-6
CNRM XII 22 22 38 15.8–.42 35.45N 3.62W 31–3 ¶621658948
INMG XII 22 22 38 16.7–1.7 35.44N 3.58W 7–6 2.2L
MDD XII 22 22 38 17.2–.35 35.42N 3.56W 16 2.7
SFS XII 22 22 38 18.6 35.45N 3.55W 26 3.0L,2.9
ISC Event type ke.
CNRM Error ellipse: s-maj=3.1km s-min=2.8km az=99.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=131.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=2.0.
ISC XII 22 18 54 26.2–1.1 35.54N–.02 3.67W–.02 13–9 92 0-5
CNRM XII 22 18 54 26.3–.38 35.55N 3.69W 27–3 ¶621658945
MDD XII 22 18 54 27.1–.63 35.49N 3.68W 11–5 2.4
INMG XII 22 18 54 28.5–1.9 35.52N 3.64W 18–8 1.9L
SFS XII 22 18 54 28.9 35.52N 3.63W 22 2.6L,2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=3.1km s-min=3.0km az=34.0.
MDD Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=161.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=117.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 22 19 10 08.0–.86 35.26N–.02 3.80W–.02 17–6 139 0-7
MDD XII 22 19 10 07.0–.31 35.23N 3.81W 0 2.6 ¶621658946
INMG XII 22 19 10 09.4–2.0 35.21N 3.71W 21–15 2.5L
IGIL XII 22 19 10 09.7 35.23N 3.81W 0 2.5L
CNRM XII 22 19 10 09.2–.37 35.19N 3.94W 20–3 2.5L
SFS XII 22 19 10 11.2 35.17N 3.91W 9 3.2L,3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=174.0.
INMG Event type ke. Error ellipse: s-maj=9.9km s-min=5.4km az=105.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.
CNRM Error ellipse: s-maj=3.4km s-min=2.7km az=40.0.
ISC XII 23 01 54 27.2–.63 35.19N–.02 3.94W–.02 19–2 4.7b,3.8s 674 0-151
BJI XII 23 01 54 23.0 35.20N 4.00W 10 5.2b,4.8b ¶621648322
CRAAG XII 23 01 54 26.0 35.15N 3.91W 4.2b,4.8b
CNRM XII 23 01 54 26.6–.38 35.18N 3.95W 16–2 4.2b,4.8b
IGIL XII 23 01 54 26.6 35.15N 3.91W 0 4.4L,4.8b
GFZ XII 23 01 54 26.5 35.21N 3.93W 10 4.6W,4.8b
MED_R XII 23 01 54 26.0 35.18N 3.98W 14 4.8W,4.8b
MDD XII 23 01 54 26.5–.25 35.15N 3.91W 0 4.2,4.8b
NEIC XII 23 01 54 26.2–1.1 35.16N–.05 3.90W–.07 10–1 4.8b,4.8b
SFS XII 23 01 54 26.3 35.19N 3.94W 0 5.0b,4.9L
INMG XII 23 01 54 27.1–2.3 35.20N 3.97W 3–3 4.2L,4.9L
GFZ XII 23 01 54 28.5–.32 35N–4.0 4W–3.0 10 4.9b,4.6L
IDC XII 23 01 54 29.6–1.9 35.20N 3.90W 36–15 4.2,4.0b
ISC Event type ke.
CRAAG Maroc.
CNRM Error ellipse: s-maj=3.2km s-min=2.1km az=94.0.
IGIL Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.95 $M_{\theta\theta}$0.30 $M_{\phi\phi}$0.65 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.43 $M_{\phi r}$-0.30 NP1: ϕ_s145.16339°,δ34.93423°,λ-91.38897°. NP2:ϕ_s326.85749°,δ55.07753°,λ-89.02999°. Principal axes: T 1.0032,Plg10.0727°,Azm56.1609°; N 0.0040,Plg0.7953°,Azm146.3022°; P -1.0072,Plg79.8953°,Azm240.7698° M_o1.00523×10^{16}
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-1.44±.16 $M_{\theta\theta}$0.31±.09; $M_{\phi\phi}$0.00±.09; $M_{r\theta}$1.16±.21; $M_{\theta\phi}$-0.08±.06; $M_{\phi r}$1.40±.17; NP1: ϕ_s352.00000°,δ21.00000°,λ-126.00000°. NP2:ϕ_s210.00000°,δ73.00000°,λ-78.00000°. Principal axes: T 1.8600,Plg27.0000°,Azm290.0000°; N 0.6200,Plg12.0000°,Azm26.0000°; P -2.4900,Plg60.0000°,Azm137.0000° M_o2.18000×10^{16}
MDD Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=172.0.
NEIC Event type ke. Error ellipse: s-maj=9.7km s-min=8.6km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=121.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Al Hoceima (MARR).
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=11.7km s-min=9.6km az=103.0.
ISC XII 23 02 52 52.3–.80 35.13N–.02 3.95W–.02 17–5 3.7b 291 0-151
IDC XII 23 02 52 50.6–.81 35.24N 4.07W 0 3.6b,3.6 ¶621648329
CNRM XII 23 02 52 51.9–.31 35.16N 3.89W 21–2 3.6b,3.6
SFS XII 23 02 52 52.9 35.18N 3.94W 0 4.6b,4.1L
MDD XII 23 02 52 52.3–.27 35.12N 3.94W 0 3.6,4.1L
CRAAG XII 23 02 52 52.0 35.12N 3.94W 3.6b,4.1L
IGIL XII 23 02 52 53.0 35.12N 3.94W 2 3.6b,4.1L
INMG XII 23 02 52 53.7–2.1 35.18N 3.94W 6–5 3.3L,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=11.3km az=95.0.
CNRM Error ellipse: s-maj=2.9km s-min=1.7km az=100.0.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=170.0.
CRAAG Maroc.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=105.0. #DIST_RANGE: REGIONAL #IPMA_REGION: S Al Hoceima (MARR).
ISC XII 23 02 57 41.8–.81 35.17N–.03 3.92W–.02 15–5 4.0b 220 0-77
MDD XII 23 02 57 41.8–.37 35.14N 3.91W 2–2 3.4 ¶621648330
CNRM XII 23 02 57 41.2–.32 35.14N 3.88W 17–1 3.4
IGIL XII 23 02 57 42.1 35.14N 3.91W 2 3.4
INMG XII 23 02 57 42.3–1.7 35.16N 3.91W 5–4 3.1L
SFS XII 23 02 57 43.6 35.22N 4.08W 0 4.3b,3.9L
IDC XII 23 02 57 45.1–1.6 35.15N 3.91W 39–17 3.6,3.5s
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=160.0.
CNRM Error ellipse: s-maj=2.7km s-min=1.6km az=99.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=123.0. #DIST_RANGE: REGIONAL #IPMA_REGION: S Al Hoceima (MARR).
IDC Error ellipse: s-maj=22.3km s-min=13.2km az=101.0.
ISC XII 23 09 20 55.7–.82 35.19N–.02 3.93W–.02 17–5 156 0-8
CNRM XII 23 09 20 55.5–.35 35.20N 3.89W 19–2 ¶621648370
SFS XII 23 09 20 56.4 35.22N 3.92W 2 3.6L,3.4L
IGIL XII 23 09 20 56.7 35.24N 3.91W 1 3.6L,3.4L
MDD XII 23 09 20 56.5–.34 35.24N 3.91W 0 2.9,3.4L
INMG XII 23 09 20 57.4–1.6 35.19N 3.91W 14–5 2.7L,3.4L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.6km s-min=2.4km az=102.0.
IGIL Event type se. Presumed earthquake.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=176.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=90.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Al Hoceima (MARR).
ISC XII 23 10 27 58.3–.83 35.20N–.02 3.92W–.02 15–5 130 0-6
MDD XII 23 10 27 58.6–.34 35.22N 3.93W 0 2.7 ¶621658952
CNRM XII 23 10 27 58.0–.25 35.20N 3.94W 17–1 2.7
INMG XII 23 10 27 59.7–1.6 35.20N 3.90W 12–6 2.6L
SFS XII 23 10 28 01.0 35.19N 3.91W 18 3.3L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=173.0.
CNRM Error ellipse: s-maj=2.2km s-min=1.9km az=76.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=104.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Al Hoceima (MARR).
ISC XII 25 03 48 12.9–1.1 35.50N–.02 3.62W–.03 20–4 79 0-6
MDD XII 25 03 48 12.7–.60 35.49N 3.69W 6–4 2.7 ¶621658965
CNRM XII 25 03 48 13.1–.63 35.55N 4.22W 9–3 2.7
SFS XII 25 03 48 14.7 35.50N 3.55W 24 3.1L,3.0
INMG XII 25 03 48 14.1–1.9 35.49N 3.58W 18–10 2.2L,3.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=83.0.
CNRM Error ellipse: s-maj=5.8km s-min=3.5km az=27.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=5.3km az=127.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 23 06 35 25.2–1.1 35.49N–.03 3.65W–.03 11–11 67 0-5
SFS XII 23 06 35 25.7 35.40N 3.65W 18 2.5L,2.4 ¶621658951
MDD XII 23 06 35 25.4–.40 35.47N 3.70W 0 2.3,2.4
INMG XII 23 06 35 26.6–1.7 35.47N 3.64W 4–8 1.7L,2.4
CNRM XII 23 06 35 29.5–.69 35.51N 4.10W 1–3 1.7L,2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=51.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=113.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=5.1km s-min=3.0km az=46.0.
ISC XII 23 17 55 50.0–.85 35.20N–.02 3.91W–.03 17–5 69 0-5
CNRM XII 23 17 55 50.3–.32 35.17N 3.87W 14–2 ¶621658956
MDD XII 23 17 55 50.7–.77 35.23N 3.93W 0 2.3
SFS XII 23 17 55 50.2 35.21N 3.93W 3 3.0L,2.9
INMG XII 23 17 55 51.4–1.8 35.22N 3.92W 9–10 2.1L,2.9
ISC Event type ke.
CNRM Error ellipse: s-maj=3.1km s-min=2.7km az=23.0.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=3.6km az=12.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=80.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Al Hoceima (MARR).
ISC XII 24 03 00 44.0–.91 35.22N–.03 3.91W–.03 18–5 67 0-6
MDD XII 24 03 00 43.2–.54 35.26N 4.02W 0 2.4 ¶621658957
CNRM XII 24 03 00 43.8–.30 35.24N 3.91W 17–1 2.4
SFS XII 24 03 00 44.1 35.19N 3.94W 6 2.7L,2.6
INMG XII 24 03 00 45.6–1.2 35.19N 3.87W 20 1.9L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=47.0.
CNRM Error ellipse: s-maj=2.9km s-min=2.4km az=93.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Al Hoceima (MARR).
ISC XII 24 13 14 11.7–1.0 35.52N–.06 3.66W–.03 26–14 50 0-4
CNRM XII 24 13 14 10.5–.90 35.63N 3.63W 10 ¶621658960
SFS XII 24 13 14 10.3 35.34N 3.64W 73 2.8L,2.7
MDD XII 24 13 14 11.5–.56 35.49N 3.69W 16–7 2.3,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=6.3km s-min=2.3km az=166.0.
MDD Event type ke. Error ellipse: s-maj=7.1km s-min=3.0km az=164.0.
ISC XII 24 13 16 15.3–1.0 35.49N–.03 3.61W–.02 25–11 94 0-6
MDD XII 24 13 16 14.9–.45 35.55N 3.70W 4–3 2.7 ¶621658961
CNRM XII 24 13 16 14.9–1.3 35.55N 3.64W 10 2.7
INMG XII 24 13 16 15.9–1.7 35.51N 3.63W 18 2.4L
SFS XII 24 13 16 16.1 35.47N 3.61W 20 3.2L,3.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=172.0.
CNRM Error ellipse: s-maj=9.7km s-min=3.2km az=165.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.3km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 23 13 21 55.6–1.1 35.56N–.02 3.69W–.02 8–9 94 0-6
CNRM XII 23 13 21 55.4–.60 35.60N 3.64W 18–4 ¶621658953
MDD XII 23 13 21 56.2–.54 35.52N 3.74W 0 2.6
INMG XII 23 13 21 57.9–2.0 35.52N 3.69W 13–11 2.2L
SFS XII 23 13 21 57.2 35.52N 3.67W 9 2.8L,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=3.9km s-min=3.1km az=70.0.
MDD Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=36.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=117.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 23 11 16 39.7–.84 35.16N–.02 3.93W–.02 17–5 96 0-6
CNRM XII 23 11 16 39.5–.24 35.21N 3.92W 21–2 ¶624815080
MDD XII 23 11 16 40.4–.34 35.20N 3.92W 0 2.6
INMG XII 23 11 16 40.4–1.6 35.17N 3.92W 5–6 2.4L
ISC Event type ke.
CNRM Error ellipse: s-maj=2.4km s-min=1.7km az=84.0.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=170.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=111.0. #DIST_RANGE: REGIONAL #IPMA_REGION: S Al Hoceima (MARR).
ISC XII 25 03 50 11.6–1.1 35.59N–.02 3.66W–.03 9–9 78 0-5
MDD XII 25 03 50 13.1–.60 35.52N 3.63W 15–4 2.7 ¶621658966
SFS XII 25 03 50 13.8 35.50N 3.56W 23 3.0L,2.9
INMG XII 25 03 50 13.0–1.8 35.51N 3.66W 13–11 2.3L,2.9
CNRM XII 25 03 50 14.8–.79 35.54N 4.18W 4 2.3L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=83.0.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=3.8km az=105.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
CNRM Error ellipse: s-maj=6.2km s-min=3.6km az=8.0.
ISC XII 25 10 40 50.8–1.1 35.50N–.04 3.63W–.03 18–5 28 0-5
MDD XII 25 10 40 51.4–.79 35.50N 3.66W 16–6 2.6 ¶624815088
INMG XII 25 10 40 51.6–1.4 35.50N 3.64W 21–9 1.5L
CNRM XII 25 10 40 51.4–1.3 35.49N 3.62W 10 1.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=54.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=126.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
CNRM Error ellipse: s-maj=10.4km s-min=3.3km az=166.0.
ISC XII 25 01 40 19.0–1.0 35.53N–.02 3.64W–.03 14–9 72 0-5
MDD XII 25 01 40 19.4–.79 35.48N 3.67W 16–7 2.7 ¶621658963
CNRM XII 25 01 40 19.8–.87 35.58N 4.12W 4–5 2.7
INMG XII 25 01 40 20.8–1.6 35.52N 3.62W 17–8 2.1L
SFS XII 25 01 40 21.2 35.52N 3.53W 23 2.8L,2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=5.7km az=15.0.
CNRM Error ellipse: s-maj=6.8km s-min=4.7km az=81.0.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=3.0km az=97.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 25 02 21 43.8–.85 35.20N–.02 3.90W–.03 15–5 134 0-7
CNRM XII 25 02 21 42.9–.38 35.28N 4.09W 12–2 ¶621658964
MDD XII 25 02 21 45.3–.57 35.18N 3.90W 12–5 2.8
SFS XII 25 02 21 45.5 35.16N 3.84W 18 3.5L,3.4L
IGIL XII 25 02 21 46.1 35.18N 3.90W 12 3.5L,3.4L
INMG XII 25 02 21 46.7–1.7 35.18N 3.84W 25–11 2.5L,3.4L
ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=2.4km az=96.0.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.1km az=151.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=117.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Al Hoceima (MARR).
ISC XII 25 15 45 38.0–.96 35.52N–.02 3.65W–.02 17–8 70 0-5
CNRM XII 25 15 45 36.7–1.3 35.64N 3.58W 12–3 ¶621658967
MDD XII 25 15 45 37.1–.48 35.51N 3.71W 0–2 2.4
INMG XII 25 15 45 37.3–1.8 35.51N 3.72W 1–5 2.4
SFS XII 25 15 45 39.9 35.52N 3.56W 8 2.9L,2.8
ISC Event type ke.
CNRM Error ellipse: s-maj=9.8km s-min=3.9km az=174.0.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=29.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=25.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 25 18 44 00.8–.98 35.49N–.02 3.63W–.02 17–8 161 0-7
CNRM XII 25 18 43 58.3–1.4 35.73N 3.54W 12–4 ¶621653471
MDD XII 25 18 44 01.3–.28 35.50N 3.67W 0 3.0
SFS XII 25 18 44 02.0 35.46N 3.61W 15 3.4L,3.3
INMG XII 25 18 44 02.3–1.9 35.49N 3.60W 17–5 2.4L,3.3

IGIL XII 25 18 44 02.2 35.50N 3.67W 2 2.4L,3.3
ISC Event type ke.
CNRM Error ellipse: s-maj=10.2km s-min=5.2km az=175.0.
MDD Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=172.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=28.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
IGIL Event type se. Presumed earthquake.
ISC XII 27 05 44 54.6–1.1 35.50N–.03 3.63W–.04 24–11 29 0-6
MDD XII 27 05 44 55.6–.67 35.48N 3.60W 24–7 2.5 **¶625205334**
CNRM XII 27 05 44 57.0–.89 35.36N 3.80W 33–3 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=117.0.
CNRM Error ellipse: s-maj=9.9km s-min=4.5km az=177.0.
ISC XII 27 09 23 51.3–1.3 35.57N–.03 3.58W–.05 15–10 20 0-6
MDD XII 27 09 23 52.8–1.1 35.48N 3.61W 20–12 2.8 **¶625205341**
CNRM XII 27 09 23 53.2–.55 35.37N 3.48W 3–2 2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.1km s-min=8.6km az=132.0.
CNRM Error ellipse: s-maj=4.0km s-min=1.9km az=18.0.
ISC XII 27 01 06 13.9–1.1 36.50N–.03 7.96W–.04 31–12 64 1-5
MDD XII 27 01 06 16.5–.79 36.63N 7.94W 18–3 2.5 **¶621659204**
INMG XII 27 01 06 17.8–1.8 36.59N 8.01W 32–495 2.0L
IGIL XII 27 01 06 18.4 36.58N 7.98W 31 1.8L
CNRM XII 27 01 06 25.6–1.6 35.74N 7.81W 30 1.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=3.3km az=26.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=68.0. #DIST_RANGE: LOCAL #IPMA_REGION: S Faro.
IGIL Event type se. Presumed earthquake.
CNRM Error ellipse: s-maj=12.9km s-min=11.3km az=154.0.
ISC XII 29 05 59 06.6–1.1 35.54N–.02 3.71W–.02 9–9 59 0-5
MDD XII 29 05 59 06.5–.63 35.46N 3.76W 3–5 2.3 **¶621658974**
CNRM XII 29 05 59 06.7–.76 35.55N 3.62W 11–3 2.3
SFS XII 29 05 59 07.4 35.46N 3.71W 10 2.6L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=133.0.
CNRM Error ellipse: s-maj=6.5km s-min=3.2km az=177.0.
ISC XII 27 15 48 17.9–1.2 35.46N–.03 3.62W–.03 25–13 61 0-5
CNRM XII 27 15 48 13.3–.81 35.81N 3.61W 25–3 **¶624815094**
MDD XII 27 15 48 17.4–.51 35.38N 3.65W 24–6 2.7
INMG XII 27 15 48 17.1–1.6 35.38N 3.69W 24 2.2L
ISC Event type ke.
CNRM Error ellipse: s-maj=6.2km s-min=3.3km az=177.0.
MDD Event type ke. Error ellipse: s-maj=5.4km s-min=3.0km az=142.0.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=15.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 27 17 51 22.8–1.1 35.53N–.02 3.59W–.02 23–12 100 0-6
CNRM XII 27 17 51 20.6–.95 35.65N 3.55W 17–3 **¶621658971**
MDD XII 27 17 51 22.4–.49 35.42N 3.65W 23–6 2.7
SFS XII 27 17 51 23.9 35.48N 3.56W 17 3.0L,2.9
IGIL XII 27 17 51 24.8 35.42N 3.65W 23 3.0L,2.9
INMG XII 27 17 51 24.0–2.0 35.53N 3.59W 15–8 2.2L,2.9
ISC Event type ke.
CNRM Error ellipse: s-maj=7.4km s-min=3.7km az=177.0.
MDD Event type ke. Error ellipse: s-maj=4.9km s-min=2.8km az=148.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=100.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 28 13 00 42.3–1.3 35.47N–.03 3.57W–.03 19–3 33 0-5
MDD XII 28 13 00 41.8–.93 35.47N 3.72W 0 2.7 **¶625205374**
CNRM XII 28 13 00 44.4–.31 35.34N 3.57W 19–1 2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=3.3km az=40.0.
CNRM Error ellipse: s-maj=3.5km s-min=1.6km az=6.0.
ISC XII 29 01 56 24.2–1.0 35.56N–.02 3.61W–.02 13–8 118 0-5
CNRM XII 29 01 56 24.9–.65 35.50N 3.60W 18–2 **¶621658973**
MDD XII 29 01 56 25.7–.43 35.43N 3.62W 24–5 2.5
SFS XII 29 01 56 26.1 35.45N 3.62W 20 2.7L,2.7L
INMG XII 29 01 56 26.8–1.6 35.50N 3.56W 21–6 2.0L,2.7L
ISC Event type ke.
CNRM Error ellipse: s-maj=6.1km s-min=2.6km az=2.0.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=2.4km az=156.0.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 29 12 05 43.9–1.0 35.54N–.05 3.59W–.04 16–11 26 0-5
CNRM XII 29 12 05 44.2–.93 35.54N 3.58W 10 **¶624815101**
MDD XII 29 12 05 44.6–.58 35.58N 3.60W 5 2.5
INMG XII 29 12 05 44.4–1.2 35.53N 3.64W 1 1.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=7.0km s-min=2.3km az=168.0.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=3.3km az=39.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=70.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
CNRM XII 30 14 39 43.6–2.5 35.23N 3.68W 54–18
¶626577603
CNRM Error ellipse: s-maj=28.7km s-min=7.4km az=167.0.
ISC XII 30 05 06 00.8–1.1 35.48N–.02 3.67W–.02 16–9 57 0-4
CNRM XII 30 05 06 01.8–1.1 35.58N 3.66W 22–6 **¶621658977**
MDD XII 30 05 06 02.0–.72 35.50N 3.71W 8–6 2.1
SFS XII 30 05 06 03.7 35.50N 3.65W 12 2.6L,2.5
ISC Event type ke.
CNRM Error ellipse: s-maj=9.9km s-min=4.1km az=11.0.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=156.0.
ISC XII 30 15 28 21.1–1.4 35.48N–.02 3.70W–.02 20–10 4.0b,3.3s 252 0-81
CNRM XII 30 15 28 18.3–1.1 35.68N 3.63W 18–5 4.0b,3.3s **¶621657533**
NEIC XII 30 15 28 19.2–.93 35.4N–.10 3.78W–.02 10–2 4.3b,3.3s
IDC XII 30 15 28 19.3–.81 35.52N 3.60W 0 3.9b,3.8
MDD XII 30 15 28 20.3–.31 35.46N 3.67W 0 3.8,3.8
IGIL XII 30 15 28 20.6 35.46N 3.67W 2 3.5L,3.8
SFS XII 30 15 28 21.4 35.50N 3.65W 9 4.4b,4.4L
INMG XII 30 15 28 21.1–1.8 35.51N 3.70W 4–5 3.7L,4.4L
ISC Event type ke.
CNRM Error ellipse: s-maj=7.8km s-min=4.4km az=11.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=2.9km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=12.7km az=104.0.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=0.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=104.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
ISC XII 31 08 07 26.4–1.2 35.51N–.02 3.59W–.02 10–10 77 0-6
CNRM XII 31 08 07 28.9–.50 35.46N 3.65W 24–4 **¶621658989**
SFS XII 31 08 07 28.9 35.49N 3.69W 12 2.8L,2.7
INMG XII 31 08 07 29.9–1.6 35.55N 3.56W 24–13 2.0L,2.7
MDD XII 31 08 07 29.9–.73 35.52N 3.58W 23–7 2.8,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=3.3km az=161.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=98.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=107.0.
ISC XII 30 19 14 18.0–1.2 35.45N–.03 3.65W–.02 16–10 90 0-5
CNRM XII 30 19 14 16.9–.96 35.58N 3.58W 16–5 **¶621658980**
MDD XII 30 19 14 18.1–.53 35.42N 3.67W 5–5 2.4
SFS XII 30 19 14 18.5 35.44N 3.69W 8 2.7L,2.6
INMG XII 30 19 14 19.1–1.5 35.32N 3.62W 26–19 2.0L,2.6
ISC Event type ke.
CNRM Error ellipse: s-maj=7.8km s-min=4.5km az=179.0.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=164.0.
INMG Event type ke. Error ellipse: s-maj=16.1km s-min=4.0km az=157.0. #DIST_RANGE: REGIONAL #IPMA_REGION: E Al Hoceima (MARR).

ISC XII 30 19 16 43.4–1.1 35.48N–.02 3.70W–.02 17–9 115 0-7
CNRM XII 30 19 16 43.1–1.0 35.61N 3.60W 14–5 **¶621658981**
MDD XII 30 19 16 44.6–.44 35.47N 3.64W 8–3 2.6
SFS XII 30 19 16 44.6 35.49N 3.68W 14 3.0L,3.0L
INMG XII 30 19 16 45.0–1.8 35.46N 3.69W 14–7 2.1L,3.0L
ISC Event type ke.
CNRM Error ellipse: s-maj=8.9km s-min=3.4km az=179.0.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=161.0.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=147.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 30 22 42 21.2–.99 35.47N–.02 3.68W–.03 25–10 77 0-5
CNRM XII 30 22 42 19.3–.87 35.61N 3.68W 18–4 **¶621658982**
MDD XII 30 22 42 20.4–.38 35.45N 3.72W 0 2.3
SFS XII 30 22 42 20.2 35.44N 3.73W 7 2.6L,2.6L
INMG XII 30 22 42 21.1–1.9 35.48N 3.68W 5 1.7L,2.6L
ISC Event type ke.
CNRM Error ellipse: s-maj=6.1km s-min=4.0km az=14.0.
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=22.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=33.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 31 00 31 12.2–.85 35.16N–.02 3.91W–.02 17–5 129 0-6
MDD XII 31 00 31 11.7–.41 35.12N 3.94W 0 2.5 **¶621658985**
CNRM XII 31 00 31 11.9–.18 35.14N 3.85W 15–5 2.5
SFS XII 31 00 31 12.5 35.20N 3.95W 4 3.0L,2.9
INMG XII 31 00 31 13.3–1.4 35.18N 3.92W 12–5 2.2L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=173.0.
CNRM Error ellipse: s-maj=8.9km s-min=1.4km az=0.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=98.0. #DIST_RANGE: REGIONAL #IPMA_REGION: S Al Hoceima (MARR).
ISC XII 31 06 17 04.4–.97 35.48N–.03 3.62W–.02 28–10 82 0-5
MDD XII 31 06 17 04.5–.64 35.53N 3.67W 4–4 2.5 **¶621658987**
CNRM XII 31 06 17 04.5–.61 35.45N 3.58W 25–3 2.5
SFS XII 31 06 17 04.1 35.47N 3.70W 8 2.7L,2.6
INMG XII 31 06 17 06.0–1.7 35.49N 3.56W 28–11 2.0L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=30.0.
CNRM Error ellipse: s-maj=7.2km s-min=2.5km az=9.0.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=3.8km az=103.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 31 07 45 17.5–1.1 35.47N–.02 3.62W–.02 19–3 100 0-6
CNRM XII 31 07 45 17.1–.54 35.48N 3.61W 17–3 **¶621658988**
MDD XII 31 07 45 18.2–.57 35.46N 3.64W 17–6 2.6
INMG XII 31 07 45 18.8–1.6 35.46N 3.58W 20–8 2.0L
SFS XII 31 07 45 18.0 35.44N 3.64W 13 2.9L,2.9
ISC Event type ke.
CNRM Error ellipse: s-maj=3.7km s-min=3.4km az=11.0.
MDD Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=140.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=105.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 31 15 27 10.6–1.1 35.45N–.02 3.65W–.02 18–3 129 0-6
CNRM XII 31 15 27 10.3–.70 35.61N 3.61W 20–5 **¶621658990**
SFS XII 31 15 27 10.9 35.43N 3.68W 8 2.8L,2.7
MDD XII 31 15 27 11.8–.39 35.41N 3.57W 16–4 2.5,2.7
INMG XII 31 15 27 12.6–1.6 35.46N 3.52W 26–9 2.0L,2.7
ISC Event type ke.
CNRM Error ellipse: s-maj=3.1km s-min=3.0km az=95.0.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=161.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=110.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Al Hoceima (MARR).
ISC XII 31 05 10 52.1–1.1 35.50N–.03 3.62W–.02 18–8 112 0-6
MDD XII 31 05 10 52.2–.31 35.51N 3.64W 0 2.6 **¶621658986**
CNRM XII 31 05 10 52.1–.85 35.51N 3.59W 24–5 2.6
SFS XII 31 05 10 52.8 35.51N 3.63W 15 2.8L,2.8L
INMG XII 31 05 10 52.7–1.5 35.52N 3.64W 4 2.1L,2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=9.0.
CNRM Error ellipse: s-maj=8.9km s-min=3.6km az=9.0.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=100.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Alboran.

(387) Western Mediterranean Sea.

ISC VII 07 06 34 51.8–1.1 42.26N–.04 7.30E–.03 15–9 125 1-3
STR VII 07 06 34 53.3–.03 42.3N–.30 7.3E–.20 5 2.1 **¶620983118**
LDG VII 07 06 34 56.1–.20 42.23N 7.27E 20 2.7L,2.7
ROM VII 07 06 34 56.6–.14 42.30N 7.38E 38 2.1L,2.7
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=2.4km az=33.0.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
MDD X 09 04 31 30.0–1.1 36.79N 1.73W 0 1.7
¶625199764
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=3.5km az=153.0.
ISC IX 08 21 59 50.9–1.8 41.98N–.04 5.07E–.03 12–13 126 1-9
STR IX 08 21 59 50.2–.04 42.0N–.30 5.1E–.20 5–0 2.4 **¶621140241**
MDD IX 08 21 59 55.9–.39 41.98N 5.09E 35–8 2.6
LDG IX 08 21 59 55.1–.17 41.93N 5.10E 20 2.9,2.5L
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=2.0km az=146.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=169.0.
ISC XI 12 14 41 25.6–1.9 41.23N–.09 5.58E–.04 10 20 2-4
MDD XI 12 14 41 32.9–1.0 41.26N 5.67E 26–12 3.9b,3.2 **¶621401376**
LDG XI 12 14 41 35.1–.86 41.20N 5.61E 25 2.5L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.8km s-min=4.9km az=174.0.
LDG Event type ke. Error ellipse: s-maj=18.0km s-min=9.5km az=177.0.

(389) Tyrrhenian Sea.

IDC IX 23 13 57 41.9–336 39.63N 11.31E 0
¶621125858
IDC Error ellipse: s-maj=132.0km s-min=94.3km az=16.0.
ISC VII 13 13 07 34.1–.49 39.70N–.05 13.01E–.06 467–5 4.1b 636 1-86
NAO VII 13 13 07 02.4 39.71N 12.92E 33 3.0b **¶620816269**
BGR VII 13 13 07 21.7–5.8 38.56N 13.57E 470 4.3b
ROM VII 13 13 07 22.9–.37 39.69N–.01 12.86E–.04 535–3 3.3
IDC VII 13 13 07 34.0–.68 39.71N 12.92E 465–9 4.0,3.1b
MCSM VII 13 13 07 33.9–.30 40N–4.0 13E–3.0 470–5 4.3b,4.0b
GFZ VII 13 13 07 34.8–.24 40N–3.0 13E–2.0 468–2 4.1b,3.7
NEIC VII 13 13 07 34.8–.95 39.7N–.10 13.0E–.10 471–6 4.2b,3.7
MOS VII 13 13 07 34.0–.69 39.75N 12.95E 477 4.3b,3.7
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=84.5km s-min=31.1km az=168.0.
ROM Event type se. Error ellipse: s-maj=2.5km s-min=2.1km az=99.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=14.9km s-min=11.9km az=57.0.
GFZ Error ellipse: s-maj=6.6km s-min=3.3km az=27.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=13.9km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.2km s-min=3.4km az=83.5.
ISC VIII 28 12 12 24.6–.77 39.35N–.09 14.00E–.09 400 3.6b 20 2-70
IDC VIII 28 12 12 24.5–.83 39.43N 13.96E 387–18 3.8,3.2b **¶621073107**
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=14.2km az=15.0.
ROM X 31 09 21 03.8–.50 39.51N–.02 14.43E–.04 20–3 2.2L
¶626515212

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 05 11 48 43.6–1.1 39.84N–.02 14.76E–.02 10–9 112 1-5
ROM XI 05 11 48 43.6–.34 39.841N–.01 14.76E–.01 6–2 3.5L **¶624418651**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 18 04 01 34.6–1.3 39.89N–.02 14.76E–.02 10–10 3.7b,3.2s 303 1-84
ROM XI 18 04 01 33.9–.26 39.874N–.00 14.730E–.01 7–1 3.8L,3.2s **¶621440092**
IDC XI 18 04 01 34.6–.82 40.00N 14.91E 0 3.6b,3.6
PDG XI 18 04 01 34.7–.56 39.85N 14.66E 28–9 3.7L,3.6
BEO XI 18 04 01 38.5–.50 39.93N 14.82E 29–1 3.6L,3.6
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.2km az=81.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=14.2km s-min=12.4km az=92.0.
PDG Event type ke. Error ellipse: s-maj=10.1km s-min=6.7km az=90.0.
BEO Event type ke.

(390) Southern Italy.

ROM VII 05 19 03 56.7–.11 41.744N–.00 13.627E–.01 15–0 0.9L
¶625934308
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VII 09 09 45 24.1–.80 41.86N–.02 14.86E–.02 18–3 144 0-8
ROM VII 09 09 45 23.8–.06 41.841N–.00 14.860E–.00 17–0 3.3L **¶621140999**
PDG VII 09 09 45 24.1–.14 41.80N 14.93E 10–0 3.6L
BEO VII 09 09 45 27.8–.60 42.00N 15.00E 10 3.2L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.2km az=184.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
BEO Event type ke.
ROM VII 22 14 16 18.2–.04 41.818N–.00 14.228E–.00 17–0 3.0L
¶625935132
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VII 22 23 41 09.8–.78 39.55N–.08 15.39E–.07 267–7 3.4b 90 0-48
ROM VII 22 23 41 08.7–.23 39.51N–.01 15.48E–.03 276–1 2.8L **¶620967861**
IDC VII 22 23 41 12.9–1.5 39.76N 15.18E 296–25 3.4,3.0b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=2.1km s-min=0.9km az=98.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=33.8km s-min=20.8km az=41.0.
ISC VIII 14 09 29 26.8–.87 40.46N–.02 16.31E–.02 15–7 122 0-7
ROM VIII 14 09 29 26.7–.08 40.456N–.00 16.319E–.01 15–1 3.5W,3.3L **¶624417924**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}0.66 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$-0.13 $M_{r\theta}$1.31 $M_{\theta\phi}$0.37 $M_{\phi r}$-1.37 NP1: ϕ_s135.00000°,δ80.00000°,λ96.00000°. NP2:ϕ_s285.00000°,δ11.00000°,λ60.00000°. M_o2.02518×10^{14}
ISC VII 23 22 52 27.2–.45 39.48N–.03 15.45E–.03 266–4 4.3b 847 0-126
NAO VII 23 22 52 00.4 38.72N 15.40E 33 4.1b **¶620845580**
ROM VII 23 22 52 25.4–.13 39.424N–.01 15.58E–.01 277–0 3.9L
NEIC VII 23 22 52 27.2–1.4 39.52N–.06 15.43E–.08 263–5 4.4b
GFZ VII 23 22 52 28.0–.17 39N–2.0 15E–1.0 268–2 4.2b,4.2
MCSM VII 23 22 52 28.4–.30 40N–3.0 15E–2.0 275–3 4.3,4.2b
IDC VII 23 22 52 28.4–.56 39.57N 15.29E 276–6 4.3,3.6b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=1.1km s-min=0.4km az=105.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=8.6km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=7.8km s-min=7.5km az=37.0.
ISC VIII 19 05 30 20.6–.41 39.09N–.03 15.69E–.03 205–3 4.7b 1287 0-129
NAO VIII 19 05 30 07.1 39.14N 15.54E 33 3.7b **¶621039160**
MCSM VIII 19 05 30 20.6–.30 39N–3.0 16E–2.0 204–3 4.7b,4.5b
NEIC VIII 19 05 30 20.6–1.6 39.07N–.06 15.72E–.04 204–5 4.8b,4.5b
PDG VIII 19 05 30 20.0–5.4 39.11N 15.84E 200–12 4.4L,4.5b
ROM VIII 19 05 30 20.2–.12 38.978N–.01 15.76E–.01 207–1 4.5W,4.5L
MOS VIII 19 05 30 20.0–1.0 38.98N 15.67E 213 4.5b,4.5L
MED_R VIII 19 05 30 21.0 38.99N 15.65E 213 4.4W,4.5L
GFZ VIII 19 05 30 21.5–.16 39N–2.0 16E–1.0 206–2 4.8b,4.6b
BEO VIII 19 05 30 21.0–.70 38.98N 15.71E 20–8 4.0L,4.6b
GFZ VIII 19 05 30 21.5 39.01N 15.65E 207 4.4W,4.6b
GII VIII 19 05 30 21.3–.00 39.06N 15.72E 0 4.8,4.6b
IDC VIII 19 05 30 22.7–.47 39.15N 15.55E 225–5 4.6,4.0b
ISC Event type ke.
NAO Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.9km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=5.4km s-min=6.5km az=0.0.
ROM Event type se. Error ellipse: s-maj=0.9km s-min=0.5km az=112.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-1.67 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$3.23 $M_{r\theta}$-2.28 $M_{\theta\phi}$-3.23 $M_{\phi r}$-3.69 NP1: ϕ_s14.00000°,δ78.00000°,λ-47.00000°. NP2:ϕ_s116.00000°,δ45.00000°,λ-163.00000°. M_o6.06391×10^{15}
MOS Error ellipse: s-maj=3.8km s-min=2.6km az=85.1.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-1.66±.35 $M_{\theta\theta}$-0.81±.42; $M_{\phi\phi}$0.00±.40; $M_{r\theta}$-3.37±.29; $M_{\theta\phi}$-1.68±.41; $M_{\phi r}$-4.02±.28; NP1: ϕ_s131.00000°,δ26.00000°,λ-164.00000°. NP2:ϕ_s26.00000°,δ83.00000°,λ-65.00000°.
Principal axes: T 4.9500,Plg33.0000°,Azm95.0000°; N 1.6100,Plg25.0000°,Azm203.0000° ; P -6.5700,Plg46.0000°,Azm322.0000° M_o5.76000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-0.67 $M_{\theta\theta}$-2.51 $M_{\phi\phi}$3.18 $M_{r\theta}$-2.74 $M_{\theta\phi}$-0.29 $M_{\phi r}$-2.37 NP1: ϕ_s137.19047°,δ38.92746°,λ-171.16068°. NP2:ϕ_s40.29244°,δ84.45931°,λ-51.40674°.
Principal axes: T 4.4501,Plg28.8040°,Azm100.0696°; N 0.3768,Plg38.3799°,Azm215.8860° ; P -4.8269,Plg38.1966°,Azm344.4349° M_o4.64995×10^{15}
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID
smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC Error ellipse: s-maj=7.9km s-min=6.6km az=140.0.
ROM VIII 30 18 16 14.3–.17 41.515N–.01 15.002E–.01 28–1 1.3L
¶625936702
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 31 16 42 30.2–.68 39.62N–.05 15.54E–.06 286–6 3.4b 128 0-71
ROM VIII 31 16 42 29.1–.22 39.57N–.01 15.63E–.03 295–1 3.2L **¶621076626**
IDC VIII 31 16 42 32.4–1.8 39.85N 15.29E 299–24 3.6,3.0b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=2.2km s-min=0.7km az=110.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=24.9km s-min=19.4km az=179.0.
ISC X 24 14 29 53.8–.85 39.01N–.07 15.24E–.09 276–7 3.5b 54 1-48
ROM X 24 14 29 53.4–.29 39.00N–.02 15.26E–.03 280–2 3.1L **¶621366399**
IDC X 24 14 29 58.6–9.2 39.33N 14.99E 312–108 3.5,2.9b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=2.8km s-min=1.5km az=112.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=56.5km s-min=36.3km az=177.0.
ISC XI 19 18 54 59.7–.75 39.11N–.02 16.46E–.02 13–5 3.9b 135 0-73
IDC XI 19 18 54 57.9–.85 38.95N 16.62E 0 3.7b,3.6 **¶621590307**
PDG XI 19 18 54 59.0–.38 39.13N 16.48E 14–0 3.6L,3.6
ROM XI 19 18 54 59.0–.04 39.110N–.00 16.454E–.00 10–0 3.7L,3.6
BEO XI 19 18 54 59.7–1.2 38.92N 16.20E 43–8 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=12.2km az=145.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=235.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM XII 23 01 55 28.5–.05 41.548N–.00 13.899E–.00 10–0 1.5L
¶626516931
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 30 16 57 20.7–.67 39.56N–.08 15.00E–.07 326–7 3.5b 92 1-48
ROM VIII 30 16 57 19.1–.27 39.40N–.02 15.13E–.03 338–2 3.3L **¶621076533**
IDC VIII 30 16 57 21.8–.75 39.60N 14.80E 340–20 3.6,3.1b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=3.3km s-min=1.3km az=123.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=33.7km s-min=17.5km az=43.0.
ROM X 16 17 56 52.1 40.82N 14.43E 0–0 1.1
¶626514574
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=271. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=61.
ROM XII 21 00 23 40.7–.13 41.300N–.01 14.385E–.01 9–0 1.8L
¶626044820
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 28 10 43 41.4–.97 41.57N–.03 13.80E–.02 5–7 59 0-6
ROM X 28 10 43 40.4–.03 41.564N–.00 13.792E–.00 8–0 3.1L **¶621718099**
PDG X 28 10 43 41.2–.28 41.56N 13.78E 11–1 3.2L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.2km az=217.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.

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ISC VII 03 17 55 36.5–.95 41.17N–.02 19.91E–.02 14–8 136 0-6
TIR VII 03 17 55 35.8–2.3 41.18N 19.91E 20–6 3.0W,2.6L **¶621799894**
BEO VII 03 17 55 36.8–.30 41.15N 19.90E 14–2 2.3L,2.6L
PDG VII 03 17 55 36.2–.30 41.15N 19.88E 15–0 3.0L,2.6L
THE VII 03 17 55 37.0 41N–2.0 20E–7.0 11 2.6,2.6
RHSSO VII 03 17 55 37.1–.75 41.19N 20.01E 13–3 2.9L,2.6
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.7km s-min=7.2km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.2km az=0.0.
ISC VII 10 19 28 52.4–.87 41.81N–.02 19.28E–.02 13–6 231 0-8
PRU VII 10 19 28 48.7 41.13N 18.65E 10 **¶620787391**
TIR VII 10 19 28 50.9–2.3 41.82N 19.28E 14–9 2.9L
RHSSO VII 10 19 28 50.7–.76 41.70N 19.35E 6–2 3.1L
PDG VII 10 19 28 52.2–.24 41.84N 19.28E 18–0 3.0,2.9L
BEO VII 10 19 28 53.0–.30 41.81N 19.26E 10–1 2.8L,2.9L
THE VII 10 19 28 55.3 42N–10 19E–16 122–31 2.8,2.8
ISC Event type ke.
TIR Event type se. Presumed earthquake.
PDG Event type ke.
BEO Event type ke.
ISC VII 12 19 29 10.3–.92 41.49N–.01 20.36E–.02 12–7 125 0-5
THE VII 12 19 29 09.5 41N–3.0 20E–12 0–20 2.3,2.3 **¶621591012**
TIR VII 12 19 29 09.3–2.5 41.49N 20.37E 8–17 2.6L,2.3
SKO VII 12 19 29 09.5 41.50N 20.35E 11 2.7L,2.3
PDG VII 12 19 29 10.3–.51 41.45N 20.32E 12–1 2.6L,2.3
BEO VII 12 19 29 10.4–.30 41.49N 20.43E 0 2.3L,2.3
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.1km s-min=7.0km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.3km az=0.0.
BEO Event type ke.
ISC VII 15 01 47 24.3–.98 41.71N–.02 20.80E–.02 11–9 80 0-4
TIR VII 15 01 47 23.6–.75 41.71N 20.79E 10–2 2.3L **¶621591021**
BEO VII 15 01 47 24.6–.50 41.59N 20.82E 3–2 2.3L
SKO VII 15 01 47 25.6 41.61N 20.90E 15 2.5L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC VII 17 04 47 33.0–.88 41.50N–.01 20.23E–.02 13–7 137 0-7
BEO VII 17 04 47 32.8–.40 41.48N 20.28E 6–2 2.4L **¶621591029**
THE VII 17 04 47 33.0 42N–3.0 20E–3.0 11–5 2.6,2.6
PDG VII 17 04 47 32.1–.47 41.53N 20.28E 8–1 3.1L,2.6
TIR VII 17 04 47 32.0–.73 41.50N 20.21E 19–2 2.8L,2.6
SKO VII 17 04 47 35.0 40.84N 20.26E 20 2.8L,2.6
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.2km az=0.0.
TIR Event type se. Presumed earthquake.
ISC VII 20 11 17 21.8–1.0 41.45N–.02 19.51E–.02 8–8 138 0-6
SKO VII 20 11 17 21.9 41.33N 19.47E 5 2.7L **¶621591038**
TIR VII 20 11 17 21.8–1.5 41.46N 19.60E 19–3 2.8L
PDG VII 20 11 17 22.2–.45 41.47N 19.59E 12–1 3.2,3.1L
BEO VII 20 11 17 22.9–.30 41.48N 19.50E 10 2.7L,3.1L
RHSSO VII 20 11 17 22.0–.81 41.36N 19.41E 8–2 3.1L,3.1L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=1.8km s-min=4.9km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.9km az=0.0.
BEO Event type ke.
ISC VII 27 20 00 44.1–.92 41.77N–.01 19.55E–.02 12–6 4.2b 506 0-92
NAO VII 27 20 00 28.6 40.15N 17.89E 10 3.5b **¶620857068**
PRU VII 27 20 00 42.9 41.47N 19.48E 1 4.1
IDC VII 27 20 00 42.4–.86 41.76N 19.57E 0 3.9b,3.8
RHSSO VII 27 20 00 42.6–.64 41.66N 19.60E 5–2 3.9L,3.8
THE VII 27 20 00 43.5 42N–10 19E–15 2–30 3.5,3.5
TIR VII 27 20 00 43.9–1.1 41.80N 19.60E 16–4 3.7W,3.6L
SKO VII 27 20 00 43.1 41.65N 19.26E 22 3.8L,3.6L
SOF VII 27 20 00 44.3 41.76N–.01 19.53E–.02 9–2 4.1,3.6L
PDG VII 27 20 00 44.6–.75 41.78N 19.50E 12–1 3.7L,3.7
NEIC VII 27 20 00 44.6–1.4 41.78N–.04 19.53E–.07 15–5 4.1b,3.7
BEO VII 27 20 00 45.0–.30 41.77N 19.59E 3–2 3.5L,3.7
GFZ VII 27 20 00 46.1–.15 42N–2.0 19E–2.0 10 4.2b,3.9
ISC Event type ke.
TIR Event type se. Presumed earthquake.
SOF Event type ke.

PDG Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 20 23 19 23.5–.94 40.53N–.02 19.88E–.03 15–7 32 0-2
SKO VII 20 23 19 21.4 40.58N 19.56E 0 2.1L **¶621591040**
TIR VII 20 23 19 22.7–1.6 40.50N 19.94E 18–3 2.7W,2.3L
ISC Event type se.
TIR Event type se. Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0. Presumed earthquake.
ISC VII 23 04 27 48.0–1.1 41.62N–.02 19.44E–.02 4–10 112 0-5
TIR VII 23 04 27 46.9–2.0 41.60N 19.42E 21–6 2.7L **¶624417779**
BEO VII 23 04 27 47.4–.60 41.53N 19.30E 12–2 2.7L
PDG VII 23 04 27 47.6–.39 41.59N 19.49E 12–1 3.1,3.0L
RHSSO VII 23 04 27 47.4–.75 41.50N 19.41E 6–2 3.0L,3.0L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.4km s-min=6.1km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.7km az=0.0.
ISC VII 23 04 48 15.7–1.1 41.60N–.02 19.46E–.02 14–9 93 0-4
BEO VII 23 04 48 14.3–.70 41.45N 19.45E 6–3 2.4L **¶624417780**
RHSSO VII 23 04 48 14.9–.85 41.51N 19.47E 8–2 2.7L
PDG VII 23 04 48 15.8–.20 41.60N 19.47E 12–1 2.6L
TIR VII 23 04 48 15.1–1.1 41.60N 19.45E 23–3 2.4L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.2km az=0.0.
TIR Event type se. Error ellipse: s-maj=1.8km s-min=4.3km az=-1.0. Presumed earthquake.
ISC VII 25 06 37 19.9–.91 41.14N–.02 19.91E–.02 11–7 101 0-3
TIR VII 25 06 37 18.7–2.4 41.16N 19.94E 22–7 2.2L **¶621591048**
BEO VII 25 06 37 19.2–.50 41.11N 20.05E 0–3 2.2L
PDG VII 25 06 37 19.2–.24 41.17N 19.91E 6–1 2.7L
RHSSO VII 25 06 37 19.4–.89 41.06N 19.77E 6–3 2.6L
SKO VII 25 06 37 20.6 41.17N 19.90E 9 2.6L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.0km s-min=12.0km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.7km az=0.0.
ISC VIII 14 17 20 23.2–.92 42.00N–.02 20.21E–.02 14–7 79 0-3
TIR VIII 14 17 20 22.7–1.4 42.01N 20.21E 17–3 2.5L **¶624417926**
PDG VIII 14 17 20 22.7–.07 41.99N 20.20E 11–0 2.7L
BEO VIII 14 17 20 24.4–.50 42.01N 20.27E 6–3 2.2L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.8km s-min=4.8km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
BEO Event type ke.
ISC VII 29 01 38 45.8–.92 41.52N–.02 20.41E–.02 14–7 73 0-2
SKO VII 29 01 38 45.4 41.58N 20.39E 12 1.7L **¶621591057**
TIR VII 29 01 38 45.5–2.3 41.55N 20.35E 9–11 2.1W,1.7L
PDG VII 29 01 38 46.4–.30 41.48N 20.25E 0–11 2.5L,1.7L
BEO VII 29 01 38 46.3–.60 41.52N 20.49E 0 1.5L,1.7L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.5km s-min=11.9km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.9km az=0.0.
BEO Event type ke.
ISC IX 11 20 49 36.9–.81 40.32N–.02 19.49E–.02 19–2 3.6b 449 0-45
NAO IX 11 20 49 20.4 38.81N 22.42E 33 3.4b **¶621070382**
IDC IX 11 20 49 33.6–.81 40.25N 19.51E 0 3.5,3.4L
NEIC IX 11 20 49 36.6–2.4 40.35N–.05 19.50E–.07 10–1 4.2b,3.4L
TIR IX 11 20 49 36.5–1.9 40.31N 19.57E 20–3 3.6L,3.4L
THE IX 11 20 49 36.6 40N–2.0 19E–3.0 0–3 3.7,3.7
BEO IX 11 20 49 37.5–.40 40.32N 19.48E 13–6 3.4L,3.7
SKO IX 11 20 49 37.2 40.26N 19.38E 22 3.3L,3.7
GFZ IX 11 20 49 37.6–.24 40N–3.0 19E–2.0 10 4.5b,4.1b
ROM IX 11 20 49 37.3–.10 40.289N–.01 19.539E–.01 17–1 3.9L,4.1b
PDG IX 11 20 49 37.4–.89 40.30N 19.54E 17–1 3.5L,4.1b
PRU IX 11 20 49 38.6 40.45N 19.53E 10 4.2,4.1b
ISC Event type ke.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=13.0km s-min=12.5km az=127.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.3km az=226.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TIR Event type se. Error ellipse: s-maj=2.7km s-min=6.1km az=-1.0. Presumed earthquake.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ROM Event type se. Error ellipse: s-maj=0.9km s-min=0.6km az=210.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
ISC VIII 18 04 34 57.0–.99 41.25N–.02 20.23E–.03 12–9 42 0-3
SKO VIII 18 04 34 55.3 40.98N 20.04E 0 2.5L **¶621591098**
TIR VIII 18 04 34 56.1–2.6 41.24N 20.23E 3–9 1.9L
BEO VIII 18 04 34 57.6–.80 41.13N 20.12E 0 1.5L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.6km s-min=7.7km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC VIII 27 21 38 34.3–.94 41.89N–.02 20.20E–.02 9–8 158 0-5
RHSSO VIII 27 21 38 31.4–.74 41.71N 20.35E 6–3 2.8L **¶621532577**
PDG VIII 27 21 38 32.3–.05 41.87N 20.34E 11–0 2.7L
TIR VIII 27 21 38 33.4–1.5 41.95N 20.27E 5–4 2.7L
THE VIII 27 21 38 34.1 42N–3.0 20E–3.0 1–6 2.4,2.4
BEO VIII 27 21 38 34.9–.30 41.91N 20.31E 6–2 2.5L,2.4
SKO VIII 27 21 38 35.2 41.94N 20.25E 6 2.7L,2.4
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.1km s-min=0.2km az=0.0.
TIR Event type se. Error ellipse: s-maj=2.5km s-min=4.6km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC IX 02 10 10 24.9–1.1 41.90N–.02 20.21E–.02 8–9 87 0-2
RHSSO IX 02 10 10 23.7–1.0 41.85N 20.27E 6–3 2.6L **¶621532601**
PDG IX 02 10 10 23.8–.06 41.87N 20.25E 7–0 2.7L
BEO IX 02 10 10 24.3–.30 41.86N 20.27E 8–2 2.3L
SKO IX 02 10 10 25.9 41.94N 20.19E 20 2.4L
TIR IX 02 10 10 25.1 41.96N 20.19E 8 2.6L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.2km az=0.0.
BEO Event type ke.
TIR Event type se. Presumed earthquake.
ISC IX 21 23 43 18.6–1.1 41.66N–.02 20.78E–.02 6–9 92 0-5
TIR IX 21 23 43 16.9–1.9 41.66N 20.81E 10–6 2.4L **¶621532696**
SKO IX 21 23 43 18.1 41.64N 20.73E 15 2.5L
PDG IX 21 23 43 19.1–.20 41.63N 20.70E 0–11 2.6L
BEO IX 21 23 43 20.0–.30 41.64N 20.77E 4–2 2.1L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.3km s-min=7.1km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
BEO Event type ke.
ISC IX 21 14 04 37.2–.83 41.45N–.01 20.02E–.01 9–6 4.1b 378 0-66
NAO IX 21 14 04 09.2 39.47N 25.14E 33 3.5b **¶621094400**
RHSSO IX 21 14 04 35.6–.74 41.26N 19.97E 7–3 4.0L
TIR IX 21 14 04 36.8 41.45N 20.04E 10 3.7L
ROM IX 21 14 04 36.6–.13 41.441N–.01 20.021E–.01 9–0 3.7L
PDG IX 21 14 04 36.0–.16 41.41N 20.03E 4–0 4.0,3.9L
PRU IX 21 14 04 37.0 41.43N 20.79E 10 4.0,3.9L
NEIC IX 21 14 04 37.8–1.9 41.48N–.05 19.93E–.06 10–2 4.0b,3.9L
BEO IX 21 14 04 37.1–.40 41.41N 20.12E 1–2 3.4L,3.9L
SKO IX 21 14 04 37.4 41.44N 20.02E 7 3.6L,3.9L
THE IX 21 14 04 37.3 41N–2.0 20E–3.0 0–5 3.4,3.4
GFZ IX 21 14 04 38.8–.18 41N–2.0 20E–2.0 10 5.6b,5.1
IDC IX 21 14 04 39.5–2.5 41.90N 20.11E 0 3.7b,3.6
ISC Event type ke.
NAO Event type se. Presumed earthquake.
TIR Event type se. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.4km az=126.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.6km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=36.8km s-min=16.4km az=10.0.
ISC X 15 19 30 59.5–1.0 40.64N–.02 19.67E–.04 7–9 38 0-4
TIR X 15 19 30 58.6–2.0 40.62N 19.64E 22–3 2.5L **¶624418468**
BEO X 15 19 31 01.1–.50 40.70N 19.69E 0 2.2L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.5km s-min=5.3km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC X 12 03 43 50.2–.00 40.84N–.01 19.67E–.02 8–8 177 0-5
SKO X 12 03 43 48.5 40.68N 19.54E 4 3.1L **¶621532757**
TIR X 12 03 43 49.7–2.7 40.80N 19.70E 17–9 3.1L
PDG X 12 03 43 50.6–.64 40.85N 19.66E 18–1 3.1L
THE X 12 03 43 50.4 41N–1.0 20E–2.0 0–2 3.0,3.0
BEO X 12 03 43 51.0–.30 40.87N 19.81E 4–2 2.9L,3.0
RHSSO X 12 03 43 52.0–.71 40.86N 19.52E 7–4 3.2L,3.0
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=4.0km s-min=8.7km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.7km az=0.0.
BEO Event type ke.
ISC X 17 20 13 30.5–.69 41.82N–.01 19.79E–.02 25–5 4.7b,3.8s 960 0-132
BJI X 17 20 13 22.8 41.39N 19.14E 20 5.4b,4.8b **¶621205008**
PRU X 17 20 13 26.4 41.34N 19.90E 20 4.4,4.8b
IDC X 17 20 13 26.2–.44 41.74N 19.75E 0 4.5b,4.4
BGR X 17 20 13 27.1–.57 41.39N 19.51E 10 4.6L,4.4
MOS X 17 20 13 28.9–.82 41.74N 19.58E 29 4.9b,4.4
SKO X 17 20 13 28.1 41.93N 19.57E 8 4.5L,4.4
NAO X 17 20 13 29.8 41.73N 19.75E 33 4.0b,4.4
THE X 17 20 13 29.8 42N–5.0 20E–5.0 3–10 4.2,4.2
RHSSO X 17 20 13 29.5–.67 41.76N 19.83E 8–2 4.7L,4.2
ROM X 17 20 13 29.9–.05 41.827N–.00 19.696E–.01 22–0 4.7L,4.2
PDG X 17 20 13 30.7–.16 41.86N 19.77E 10–0 4.4,4.3L
BEO X 17 20 13 30.3–.30 41.79N 19.77E 11–1 4.3L,4.3L
TIR X 17 20 13 30.1–2.5 41.83N 19.78E 22–9 4.5L,4.2W
MED_R X 17 20 13 30.0 41.83N 19.78E 35 4.5W,4.2W
GFZ X 17 20 13 30.3–.43 42N–2.0 20E–2.0 21–3 6.5,6.4
MCSM X 17 20 13 30.3–1.2 42N–2.0 20E–2.0 13–9 5.1b,4.8
SOF X 17 20 13 30.3 41.79N–.03 19.77E–.09 13–8 4.7,4.8
GFZ X 17 20 13 30.3 41.88N 19.72E 21 4.3W,4.8
NEIC X 17 20 13 31.5–1.9 41.79N–.02 19.66E–.06 30–5 4.6b,4.4
NEIC X 17 20 13 31 41.82N 19.69E 26 4.6b,4.4
BGS X 17 20 13 31.3–2.0 42.10N 20.02E 30 4.6b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=8.7km s-min=7.5km az=163.0.
BGR Event type ke. Error ellipse: s-maj=22.0km s-min=10.0km az=54.0.
MOS Error ellipse: s-maj=4.6km s-min=2.6km az=83.4.
NAO Event type se. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.5km az=56.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=4.4km s-min=7.9km az=-1.0. Presumed earthquake.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}3.74±.51 $M_{\theta\theta}$0.48±.32; $M_{\phi\phi}$0.00±.34; $M_{r\theta}$3.44±.21; $M_{\theta\phi}$2.82±.22; $M_{\phi r}$-0.96±.19; NP1: ϕ_s4.00000°,δ40.00000°,λ141.00000°. NP2:ϕ_s126.00000°,δ66.00000°,λ57.00000°. Principal axes: T 5.9700,Plg56.0000°,Azm352.0000°; N 0.1700,Plg30.0000°,Azm141.0000° ; P -6.1400,Plg14.0000°,Azm240.0000° $M_0$6.06000×10^{15}
GFZ Error ellipse: s-maj=5.1km s-min=4.1km az=46.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
SOF Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.26 $M_{\theta\theta}$1.33 $M_{\phi\phi}$-1.60 $M_{r\theta}$2.55 $M_{\theta\phi}$1.41 $M_{\phi r}$-0.29 NP1: ϕ_s111.17744°,δ86.04489°,λ50.17466°. NP2:ϕ_s16.44916°,δ39.98870°,λ173.83850°. Principal axes: T 3.5705,Plg36.1952°,Azm347.0410°; N -0.6865,Plg39.7116°,Azm114.4694° ; P -2.8840,Plg29.5374°,Azm232.5443° $M_0$3.28156×10^{15}
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=0.7km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.90 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-2.03 $M_{r\theta}$2.15 $M_{\theta\phi}$2.38 $M_{\phi r}$1.00 NP1:ϕ_s112.27000°,δ58.47000°,λ50.01000°. NP2:ϕ_s350.32000°,δ49.22000° ,λ136.33000°. Principal axes: T 4.4714,Plg56.0000°,Azm327.0000°; N -0.5203,Plg33.0000° ,Azm136.0000°; P -3.9510,Plg5.0000°,Azm229.0000° $M_0$4.24000×10^{15}
NEIC Event type se.
BGS Event type se. Error ellipse: s-maj=796.4km s-min=853.6km az=-1.0. Presumed earthquake.
ISC X 17 05 23 13.5–1.1 41.70N–.02 20.82E–.02 4–10 93 0-3
TIR X 17 05 23 12.5–1.9 41.69N 20.77E 6–6 2.2L **¶621532789**
SKO X 17 05 23 14.4 41.58N 20.84E 5 2.3L
BEO X 17 05 23 15.2–.50 41.69N 20.86E 1–2 2.0L
PDG X 17 05 23 17.0–.22 41.79N 20.62E 6–0 2.5L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.4km s-min=7.5km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=90.0.
ISC X 23 02 18 02.6–.00 41.35N–.02 20.33E–.02 13–9 66 0-4
BEO X 23 02 18 02.3–.50 41.23N 20.35E 0 2.3L **¶621532812**
SKO X 23 02 18 02.7 41.35N 20.30E 12 2.5L
TIR X 23 02 18 02.2–.82 41.34N 20.32E 19–3 2.3L
ISC Event type ke.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0. Presumed earthquake.
ISC X 24 07 47 29.3–.90 40.11N–.02 19.80E–.02 14–6 3.6b 260 0-45
IDC X 24 07 47 25.5–1.2 40.00N 19.79E 0 3.5b,3.5 **¶621239079**
PRU X 24 07 47 28.1 40.13N 20.06E 1 3.5b,3.5
THE X 24 07 47 29.8 40N–1.0 20E–2.0 0–0 3.2,3.2
BEO X 24 07 47 29.5–.40 40.13N 19.66E 3–8 3.3L,3.2
TIR X 24 07 47 29.0–1.0 40.10N 19.87E 20–4 3.5L,3.2
PDG X 24 07 47 30.7–.64 40.12N 19.75E 27–2 3.5L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=12.3km az=50.0.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.7km az=0.0.
ISC X 23 04 12 47.2–1.1 41.74N–.02 19.67E–.02 6–9 85 0-4
SKO X 23 04 12 46.5 41.78N 19.55E 6 2.4L **¶621532813**
RHSSO X 23 04 12 46.9–.83 41.63N 19.65E 4–3 2.5L
TIR X 23 04 12 46.9–.88 41.75N 19.69E 18–10 2.2L
BEO X 23 04 12 47.6–.50 41.68N 19.65E 7–2 2.2L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC X 28 13 45 42.7–1.2 41.08N–.02 19.39E–.04 4–10 71 0-4
TIR X 28 13 45 41.1–2.2 41.08N 19.35E 6–10 2.8L **¶624418591**
PDG X 28 13 45 43.4–.18 41.09N 19.56E 10–0 2.9L
BEO X 28 13 45 44.0–.40 41.07N 19.32E 8–2 2.8L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.1km s-min=14.1km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.3km az=0.0.

BEO Event type ke.
ISC X 28 15 01 43.7–.98 41.49N–.02 20.35E–.02 9–8 76 0-3
SKO X 28 15 01 43.5 41.46N 20.34E 15 2.3L **¶621532845**
TIR X 28 15 01 43.0–.84 41.48N 20.34E 10–7 2.1L
BEO X 28 15 01 44.0–.30 41.46N 20.45E 8–2 2.1L
PDG X 28 15 01 44.0–.17 41.54N 20.27E 10–0 2.6L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.1km s-min=3.1km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0.
ISC X 28 15 12 27.7–.87 41.51N–.02 20.35E–.02 12–6 133 0-5
SKO X 28 15 12 26.6 41.52N 20.33E 16 3.0L **¶621532846**
BEO X 28 15 12 27.0–.30 41.46N 20.52E 0 2.6L
THE X 28 15 12 27.7 42N–1.0 20E–2.0 8–3 2.8,2.8
PDG X 28 15 12 27.6–.25 41.52N 20.30E 9–0 3.0L,2.8
TIR X 28 15 12 27.1–1.2 41.51N 20.33E 9–5 2.8L,2.8
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.0km az=0.0.
TIR Event type se. Error ellipse: s-maj=1.6km s-min=4.2km az=-1.0. Presumed earthquake.
ISC X 29 10 23 28.3–.69 41.51N–.01 20.36E–.02 10–4 4.1b 380 0-123
NAO X 29 10 22 55.7 39.51N 25.76E 10 4.1b **¶621243482**
IDC X 29 10 23 26.3–1.7 41.47N 20.43E 0 3.8,3.7b
RHSSO X 29 10 23 27.6–.67 41.38N 20.37E 3–3 3.9L,3.7b
PDG X 29 10 23 27.2–.16 41.47N 20.35E 10–0 4.0L,4.0
SKO X 29 10 23 27.2 41.53N 20.34E 15 3.5L,4.0
PRU X 29 10 23 27.1 41.07N 20.05E 10 4.0,4.0
TIR X 29 10 23 27.6–.70 41.50N 20.35E 10–5 3.6L,4.0
NEIC X 29 10 23 28.5–1.0 41.56N–.04 20.27E–.05 10–1 4.2b,4.0
BEO X 29 10 23 28.1–.20 41.51N 20.49E 0 3.5L,4.0
MCSM X 29 10 23 29.4–.60 41N–5.0 20E–4.0 12–4 4.4b,4.2b
THE X 29 10 23 29.7 42N–3.0 20E–3.0 16–10 3.3,3.3
GFZ X 29 10 23 30.8–.19 42N–2.0 20E–2.0 10 4.3,4.3b
ISC Event type ke.
NAO Event type se. Presumed earthquake.
PDG Event type ke.
TIR Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 28 17 57 16.1–.95 41.50N–.02 20.36E–.02 10–8 86 0-3
SKO X 28 17 57 15.0 41.46N 20.33E 24 2.2L **¶621532850**
PDG X 28 17 57 15.8–.22 41.48N 20.30E 1–0 2.8L
TIR X 28 17 57 15.6–.55 41.51N 20.33E 11–2 2.2L
BEO X 28 17 57 16.9–.50 41.52N 20.48E 2–3 2.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=0.0.
TIR Event type se. Presumed earthquake.
BEO Event type ke.
ISC X 29 06 04 57.7–.84 41.53N–.02 20.39E–.02 13–5 210 0-74
NAO X 29 06 04 26.4 39.50N 25.58E 10 4.0b **¶621243381**
RHSSO X 29 06 04 56.8–.72 41.53N 20.47E 5–3 3.4L
SKO X 29 06 04 56.0 41.54N 20.35E 13 3.4L
TIR X 29 06 04 56.3–2.8 41.50N 20.38E 12–16 4.1W,3.3L
BEO X 29 06 04 57.0–.30 41.52N 20.46E 0–2 3.2L,3.3L
PDG X 29 06 04 57.8–.74 41.58N 20.41E 16–1 3.3L,3.3L
THE X 29 06 04 57.0 42N–4.0 20E–3.0 0–6 3.2,3.2
IDC X 29 06 05 05.9–5.9 41.83N 20.41E 67–37 3.5,3.2L
ISC Event type ke.
NAO Event type se. Presumed earthquake.
TIR Event type se. Error ellipse: s-maj=4.0km s-min=9.0km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.4km az=0.0.
IDC Error ellipse: s-maj=64.9km s-min=20.4km az=176.0.
ISC X 29 06 09 08.4–.00 41.51N–.03 20.36E–.03 11–8 27 0-2
SKO X 29 06 09 07.6 41.52N 20.34E 15 2.7L **¶621532856**
THE X 29 06 09 08.0 41N–3.0 20E–5.0 0–6 2.6,2.6
ISC Event type se.
ISC X 29 14 32 31.1–1.0 41.51N–.02 20.35E–.02 6–9 55 0-2
TIR X 29 14 32 30.4–1.2 41.52N 20.30E 10–12 1.9L **¶621532866**
SKO X 29 14 32 30.4 41.50N 20.37E 15 2.2L
PDG X 29 14 32 31.0–.38 41.48N 20.29E 2–1 2.5L
BEO X 29 14 32 34.5–.50 41.54N 20.38E 9–3 1.9L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=4.1km s-min=12.6km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=2.3km az=0.0.
BEO Event type ke.
ISC X 29 06 10 34.8–.56 41.53N–.01 20.37E–.02 14–3 4.5b,3.4s 888 0-131
NAO X 29 06 10 03.6 39.49N 25.66E 10 4.6b,3.4s **¶621243371**
IDC X 29 06 10 32.8–.44 41.50N 20.40E 0 4.2b,4.2
TIR X 29 06 10 33.8–1.7 41.54N 20.35E 14–7 4.4L,4.3L
RHSSO X 29 06 10 33.9–.66 41.42N 20.37E 3–3 4.6L,4.3L
SKO X 29 06 10 33.5 41.54N 20.35E 12 4.3L,4.3L
MOS X 29 06 10 33.3–.98 41.49N 20.36E 14 4.7b,4.3L
SOF X 29 06 10 33.6 41.49N–.03 20.39E–.02 10–1 4.6,4.3L
ROM X 29 06 10 33.9–.06 41.512N–.00 20.293E–.01 6–0 4.4L,4.3L
MCSM X 29 06 10 34.9–.30 41N–3.0 20E–2.0 8–2 5.5b,4.9
BEO X 29 06 10 34.5–.30 41.50N 20.46E 1–2 4.2L,4.9
MED_R X 29 06 10 34.0 41.53N 20.35E 21 4.6W,4.9
ATH X 29 06 10 34.4 41.60N 20.39E 11–4 4.3L,4.9
NEIC X 29 06 10 34.5–.96 41.52N–.03 20.34E–.04 10–1 4.7b,4.9
PDG X 29 06 10 34.4–.56 41.52N 20.29E 17–0 4.6L,4.6
GFZ X 29 06 10 35.8 41.48N 20.32E 19 4.5W,4.6
THE X 29 06 10 35.3 42N–2.0 20E–2.0 14–4 4.2,4.2
GFZ X 29 06 10 35.8–.11 41N–1.0 20E–1.0 10 5.2b,4.6L
PRU X 29 06 10 36.8 41.33N 20.16E 10 4.7,4.6L
ISC Event type ke.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=9.0km s-min=8.3km az=164.0.
TIR Event type se. Error ellipse: s-maj=2.6km s-min=5.7km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=5.1km s-min=3.0km az=82.7.
SOF Event type ke.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=287.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16} Nm; M_{rr}-0.72±.07 $M_{\theta\theta}$0.02±.04; $M_{\phi\phi}$0.00±.04; $M_{r\theta}$0.25±.05; $M_{\theta\phi}$0.31±.03; $M_{\phi r}$-0.24±.04; NP1: ϕ_s222.00000°,δ44.00000°,λ-57.00000°. NP2:ϕ_s0.00000°,δ54.00000°,λ-118.00000°. Principal axes: T 0.8300,Plg5.0000°,Azm109.0000°; N 0.0300,Plg22.0000°,Azm17.0000°; P -0.8600,Plg67.0000°,Azm212.0000° $M_0$0.85000×10^{16}
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/10/29 06:11:48, This location: 2021/10/29 06:42:03 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-6.12 $M_{\theta\theta}$1.02 $M_{\phi\phi}$5.10 $M_{r\theta}$1.79 $M_{\theta\phi}$2.84 $M_{\phi r}$0.29 NP1: ϕ_s220.19251°,δ51.31956°,λ-72.92263°. NP2:ϕ_s14.01603°,δ41.73561°,λ-110.14342°. Principal axes: T 6.6465,Plg4.9183°,Azm298.1628°; N -0.0871,Plg13.2527°,Azm29.3241°; P -6.5594,Plg75.8327°,Azm188.2315° $M_0$6.60340×10^{15}
GFZ Error ellipse: s-maj=3.2km s-min=2.3km az=47.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 29 06 11 39.7–1.4 41.50N–.03 20.42E–.08 15–14 18 0-1
TIR X 29 06 11 39.9–1.5 41.51N 20.35E 14–13 3.6L **¶621532857**
SKO X 29 06 11 40.9 41.17N 20.36E 6 3.6L
ISC Event type se.
TIR Event type se. Error ellipse: s-maj=3.9km s-min=5.3km az=-1.0. Presumed earthquake.
ISC X 29 12 29 21.2–1.2 41.41N–.04 20.34E–.03 9–10 41 0-2
BEO X 29 12 29 22.5–1.2 41.39N 20.40E 14–9 1.9L **¶621532864**
TIR X 29 12 29 22.2–4.8 41.50N 20.33E 12–37 1.8L
SKO X 29 12 29 23.6 41.27N 20.25E 24 1.8L
PDG X 29 12 29 23.7–.29 41.56N 20.31E 5–0 2.6L
ISC Event type ke.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=12.9km s-min=18.7km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=90.0.
ISC X 29 14 33 24.3–1.0 41.52N–.02 20.35E–.02 6–9 74 0-3
SKO X 29 14 33 23.7 41.51N 20.33E 6 2.4L **¶621532869**
TIR X 29 14 33 23.1–1.3 41.52N 20.34E 17–10 2.4L
PDG X 29 14 33 24.9–.29 41.52N 20.28E 0–11 2.7L
BEO X 29 14 33 25.9–.40 41.49N 20.39E 0–2 2.3L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.9km s-min=7.3km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=0.0.
BEO Event type ke.
ISC XI 03 10 45 07.5–.92 41.38N–.02 19.54E–.03 11–7 108 0-5
RHSSO XI 03 10 45 06.3–.76 41.22N 19.32E 5–2 3.0L **¶624418634**
BEO XI 03 10 45 07.8–.30 41.30N 19.49E 18–2 2.7L
TIR XI 03 10 45 07.0–3.7 41.36N 19.54E 18–12 2.7L
PDG XI 03 10 45 07.1–.06 41.35N 19.61E 18–0 2.9L
SKO XI 03 10 45 09.4 41.36N 19.56E 8 2.8L
ISC Event type ke.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=6.1km s-min=14.2km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.2km az=0.0.
ISC X 29 14 16 17.3–.91 41.51N–.02 20.38E–.02 17–7 84 0-3
SKO X 29 14 16 16.7 41.51N 20.32E 15 2.3L **¶621532865**
BEO X 29 14 16 16.9–.30 41.42N 20.47E 0 2.2L
TIR X 29 14 16 16.5–2.2 41.52N 20.36E 17–11 2.4L
PDG X 29 14 16 17.2–.28 41.50N 20.30E 3–1 2.7L
ISC Event type ke.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=3.3km s-min=7.4km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=90.0.
ISC X 30 12 24 31.4–.93 41.51N–.01 20.37E–.02 8–7 223 0-9
ATH X 30 12 24 30.1 41.54N 20.40E 7–2 3.1L **¶621532440**
SKO X 30 12 24 30.4 41.53N 20.35E 13 3.1L
RHSSO X 30 12 24 30.5–.71 41.36N 20.35E 4–3 3.3L
PDG X 30 12 24 31.4–.26 41.49N 20.28E 0–11 3.6,3.5L
BEO X 30 12 24 31.6–.20 41.49N 20.50E 0 2.9L,3.5L
TIR X 30 12 24 31.1–1.9 41.52N 20.36E 16–8 3.2L,3.1L
THE X 30 12 24 32.0 42N–2.0 20E–2.0 15–3 3.0,3.0
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/10/30 12:25:56, This location: 2021/10/30 12:36:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
PDG Event type ke.
BEO Event type ke.
TIR Event type se. Presumed earthquake.
ISC X 30 12 27 39.6–1.1 41.45N–.02 20.43E–.02 4–9 118 0-6
SKO X 30 12 27 39.7 41.41N 20.31E 25 3.0L **¶621532444**
TIR X 30 12 27 39.6–3.9 41.48N 20.35E 10–12 3.0L
BEO X 30 12 27 40.7–.30 41.45N 20.46E 4–2 2.8L
PDG X 30 12 27 41.3–.29 41.50N 20.27E 7–0 3.1L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=5.7km s-min=11.7km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=0.0.
ISC X 29 06 14 13.7–.91 41.49N–.02 20.37E–.02 12–7 59 0-2
SKO X 29 06 14 12.8 41.53N 20.35E 15 2.5L **¶621532858**
THE X 29 06 14 13.8 42N–18 20E–20 1–16 2.7,2.7
PDG X 29 06 14 13.7–.22 41.48N 20.32E 0–11 2.8L,2.7
TIR X 29 06 14 13.0–1.2 41.51N 20.36E 17–5 2.7L,2.7
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=90.0.
TIR Event type se. Error ellipse: s-maj=1.9km s-min=4.3km az=-1.0. Presumed earthquake.
ISC XI 04 01 03 45.0–1.1 41.21N–.02 19.48E–.02 24–10 3.5b 250 0-62
RHSSO XI 04 01 03 41.3–.65 41.06N 19.62E 6–3 3.5L **¶621261760**
SOF XI 04 01 03 43.2 41.16N–.03 19.49E–.07 13–3 4.0
IDC XI 04 01 03 43.6–5.7 41.47N 19.78E 0 3.5b,3.4
THE XI 04 01 03 44.9 41N–3.0 19E–6.0 15–20 3.3,3.3
BEO XI 04 01 03 44.9–.40 41.14N 19.43E 22–2 3.1L,3.3
PRU XI 04 01 03 44.8 41.37N 19.84E 10 3.1L,3.3
TIR XI 04 01 03 44.4–2.5 41.22N 19.55E 27–9 3.4L,3.3
PDG XI 04 01 03 45.4–.51 41.27N 19.59E 17–1 3.5,3.4L
ISC Event type ke.
SOF Event type ke.
IDC Error ellipse: s-maj=105.1km s-min=19.0km az=38.0.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=3.1km s-min=9.4km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=90.0.
ISC XI 06 19 50 47.4–1.0 41.04N–.02 20.00E–.03 10–9 104 0-5
SKO XI 06 19 50 47.0 41.11N 19.97E 9 2.5L **¶622050350**
TIR XI 06 19 50 46.6–1.9 41.04N 20.03E 16–7 2.7L
PDG XI 06 19 50 46.5–.35 41.02N 19.97E 13–0 2.8L
THE XI 06 19 50 47.1 41N–54 20E–57 39–39 2.6,2.6
BEO XI 06 19 50 47.6–.30 41.05N 20.11E 1–2 2.4L,2.6
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=1.9km s-min=6.6km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=1.2km az=0.0.
BEO Event type ke.
ISC XI 12 11 48 13.5–1.1 41.44N–.02 20.18E–.02 3–10 64 0-3
TIR XI 12 11 48 12.4–.87 41.45N 20.20E 14–3 2.2L **¶624418701**
PDG XI 12 11 48 12.3–.16 41.39N 20.16E 3–0 2.5L
SKO XI 12 11 48 13.9 41.42N 20.18E 8 2.4L
BEO XI 12 11 48 14.9–.30 41.41N 20.06E 0 1.9L
ISC Event type ke.
TIR Event type se. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.
BEO Event type ke.
ISC XI 08 07 59 16.1–.94 41.16N–.01 19.98E–.02 11–7 134 0-5
SKO XI 08 07 59 15.9 41.09N 19.90E 5 2.7L **¶622050361**
TIR XI 08 07 59 15.0–.89 41.17N 19.97E 20–2 3.0L
BEO XI 08 07 59 16.6–.30 41.18N 20.12E 0 2.7L
THE XI 08 07 59 16.6 41N–6.0 20E–11 7–32 2.8,2.8
PDG XI 08 07 59 16.4–.38 41.23N 20.01E 13–0 3.0L,2.8
ISC Event type ke.
TIR Event type se. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.9km az=0.0.
ISC XI 12 19 50 19.2–1.0 41.46N–.02 20.22E–.02 8–9 92 0-4
BEO XI 12 19 50 18.8–.30 41.44N 20.32E 0 2.3L **¶624418705**
TIR XI 12 19 50 18.6–2.8 41.45N 20.21E 10–8 2.4L
PDG XI 12 19 50 18.6–.26 41.44N 20.15E 10–1 2.4L
SKO XI 12 19 50 19.0 41.46N 20.17E 10 2.8L
ISC Event type ke.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=3.2km s-min=7.4km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=90.0.
ISC XI 13 00 34 09.2–1.1 41.45N–.01 20.17E–.02 3–9 156 0-6
TIR XI 13 00 34 08.3–1.6 41.44N 20.17E 6–5 2.5L **¶622050406**
THE XI 13 00 34 09.6 41N–2.0 20E–2.0 0–4 2.5,2.5
BEO XI 13 00 34 09.1–.40 41.35N 20.19E 0–2 2.5L,2.5
SKO XI 13 00 34 09.8 41.46N 20.16E 8 2.5L,2.5
PDG XI 13 00 34 09.4–.32 41.46N 20.14E 10–0 2.8L,2.5
ISC Event type ke.

TIR Event type se. Error ellipse: s-maj=2.1km s-min=4.7km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.3km az=0.0.
ISC XI 12 15 45 48.1–.98 41.45N–.01 20.22E–.02 8–8 180 0-7
SOF XI 12 15 45 45.4 41.02N–.04 19.9E–.10 15–8 3.8 **¶622050404**
TIR XI 12 15 45 47.5–1.2 41.43N 20.20E 17–9 2.9L
THE XI 12 15 45 48.3 41N–1.0 20E–2.0 0–2 2.8,2.8
PDG XI 12 15 45 48.6–.26 41.46N 20.13E 4–0 3.2L,2.8
SKO XI 12 15 45 49.0 41.41N 20.16E 6 2.9L,2.8
BEO XI 12 15 45 48.4–.30 41.46N 20.32E 1–2 2.7L,2.8
RHSSO XI 12 15 45 48.3–.73 41.32N 20.02E 7–3 3.2L,2.8
ISC Event type ke.
SOF Event type ke.
TIR Event type se. Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
BEO Event type ke.
ISC XI 13 16 33 44.9–1.0 41.42N–.02 20.17E–.02 8–8 82 0-3
TIR XI 13 16 33 44.3 41.43N 20.19E 12 2.3L **¶624418719**
PDG XI 13 16 33 44.7–.27 41.44N 20.16E 11–0 2.6L
BEO XI 13 16 33 45.3–.40 41.42N 20.21E 3–2 2.2L
SKO XI 13 16 33 45.3 41.40N 20.16E 13 2.4L
ISC Event type ke.
TIR Event type se. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=90.0.
BEO Event type ke.
ISC XI 12 15 08 26.8–.73 41.45N–.01 20.19E–.02 10–4 4.4b,3.6s 721 0-155
NAO XI 12 15 07 57.8 39.62N 25.71E 10 4.4b,3.6s **¶621401375**
IDC XI 12 15 08 24.9–.50 41.38N 20.20E 0 4.1b,4.1
MOS XI 12 15 08 25.8–1.3 41.38N 20.18E 12 4.6b,4.1
PDG XI 12 15 08 26.6–.23 41.45N 20.16E 11–0 4.4,4.3L
NEIC XI 12 15 08 26.9–2.2 41.43N–.05 20.20E–.06 10–1 4.6b,4.3L
TIR XI 12 15 08 26.4–1.7 41.43N 20.24E 15–6 4.1L,4.3L
MCSM XI 12 15 08 26.8–.70 41N–7.0 20E–4.0 9–3 4.5b,4.5
ROM XI 12 15 08 26.0–.08 41.470N–.00 20.157E–.01 5–0 4.0L,4.5
THE XI 12 15 08 27.2 41N–3.0 20E–3.0 0–5 3.9,3.9
BEO XI 12 15 08 27.3–.20 41.43N 20.32E 0 4.0L,3.9
RHSSO XI 12 15 08 27.0–.66 41.34N 20.12E 5–3 4.4L,3.9
SKO XI 12 15 08 27.3 41.45N 20.16E 11 4.1L,3.9
MED_R XI 12 15 08 28.0 41.47N 20.18E 13 4.3W,3.9
GFZ XI 12 15 08 28.9–.13 41N–1.0 20E–1.0 10 6.1,6.1
PRU XI 12 15 08 30.9 41.21N 19.71E 15 4.6,6.1
ISC Event type ke.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=9.6km s-min=8.7km az=179.0.
MOS Error ellipse: s-maj=4.5km s-min=3.1km az=88.2.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=90.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.7km az=241.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TIR Event type se. Error ellipse: s-maj=2.6km s-min=5.4km az=-1.0. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s214.40000°,δ79.05000°,λ-65.53000°.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.2km az=107.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-2.67±.38 $M_{\theta\theta}$0.47±.23; $M_{\phi\phi}$0.00±.23; $M_{r\theta}$0.95±.43; $M_{\theta\phi}$1.96±.15; $M_{\theta r}$-2.09±.44; NP1: ϕ_s240.00000°,δ41.00000°,λ-43.00000°. NP2:ϕ_s5.00000°,δ63.00000°,λ-123.00000°. Principal axes: T 3.7500,Plg12.0000°,Azm118.0000°; N 0.2800,Plg29.0000°,Azm21.0000° ; P -4.0300,Plg58.0000°,Azm228.0000° $M_0$3.89000×10^{15}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 13 06 25 27.0–.92 41.80N–.02 20.08E–.02 12–7 90 0-3
SKO XI 13 06 25 25.9 41.83N 19.99E 19 2.3L **¶622050412**
TIR XI 13 06 25 26.1–1.3 41.79N 20.10E 19–6 2.3L
THE XI 13 06 25 27.1 42N–6.0 20E–11 0–9 2.2,2.2
BEO XI 13 06 25 27.6–.40 41.76N 20.10E 2–2 2.0L,2.2
PDG XI 13 06 25 27.3–.26 41.82N 20.04E 11–0 2.5L,2.2
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.3km s-min=4.1km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.1km az=0.0.
ISC XI 19 01 38 12.7–.99 41.44N–.02 20.19E–.02 19–2 70 0-3
PDG XI 19 01 38 11.5–.17 41.37N 20.17E 10–0 2.4L **¶624418787**
TIR XI 19 01 38 12.1–1.0 41.44N 20.19E 17–3 2.0L
SKO XI 19 01 38 13.3 41.33N 20.17E 15 2.5L
BEO XI 19 01 38 14.0–.50 41.40N 20.19E 3–3 2.0L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0.
TIR Event type se. Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC XI 13 23 16 55.0–.91 41.81N–.02 20.23E–.02 9–7 155 0-6
RHSSO XI 13 23 16 53.2–.69 41.73N 20.35E 5–3 2.8L **¶622050418**
PDG XI 13 23 16 54.8–.48 41.84N 20.24E 8–0 2.7L
THE XI 13 23 16 54.9 42N–2.0 20E–3.0 0–3 2.2,2.2
TIR XI 13 23 16 54.2–1.5 41.80N 20.21E 8–4 2.6L,2.2
SKO XI 13 23 16 55.0 41.83N 20.19E 13 2.7L,2.2
BEO XI 13 23 16 56.3–.30 41.84N 20.29E 6–2 2.4L,2.2
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
TIR Event type se. Error ellipse: s-maj=2.4km s-min=4.2km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC XI 13 23 21 23.2–.93 41.81N–.02 20.23E–.02 10–7 98 0-3
TIR XI 13 23 21 22.1–1.5 41.80N 20.24E 19–11 2.4L **¶622050419**
SKO XI 13 23 21 23.9 41.83N 20.22E 0 2.5L
PDG XI 13 23 21 24.0–.30 41.86N 20.20E 7–0 2.4L
BEO XI 13 23 21 24.7–.40 41.84N 20.29E 2–2 2.2L
THE XI 13 23 21 25.1 42N–31 20E–24 20–29 2.2,2.2
ISC Event type ke.
TIR Event type se. Presumed earthquake.
PDG Event type ke.
BEO Event type ke.
ISC XI 14 10 26 56.7–.95 41.43N–.02 20.17E–.04 13–8 40 0-2
TIR XI 14 10 26 55.9–1.8 41.42N 20.18E 14–6 2.0L **¶624418730**
SKO XI 14 10 26 57.6 41.35N 20.14E 13 2.3L
PDG XI 14 10 26 57.0–.41 41.45N 20.08E 3–1 2.5L
ISC Event type se.
TIR Event type se. Error ellipse: s-maj=2.7km s-min=5.7km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.8km az=0.0.
ISC XI 16 17 36 24.4–1.1 41.38N–.02 20.94E–.02 3–9 149 0-10
PRU XI 16 17 36 23.1 41.31N 21.36E 1 **¶621414787**
TIR XI 16 17 36 23.7–2.2 41.40N 20.95E 13–10 3.5L
THE XI 16 17 36 24.0 41N–1.0 21E–2.0 0–2 3.2,3.2
SKO XI 16 17 36 24.2 41.35N 20.93E 13 3.5L,3.2
PDG XI 16 17 36 24.3–.50 41.41N 20.94E 3–0 3.6,3.5L
ISC Event type se.
TIR Event type se. Error ellipse: s-maj=3.7km s-min=9.9km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.8km az=0.0.
ISC XI 16 18 16 44.9–1.1 41.21N–.02 20.89E–.03 4–9 82 0-3
SKO XI 16 18 16 44.0 41.17N 20.86E 15 2.4L **¶624418763**
TIR XI 16 18 16 44.1–2.8 41.21N 20.83E 4–13 2.4L
BEO XI 16 18 16 45.9–.50 41.21N 20.99E 5–3 2.3L
PDG XI 16 18 16 48.3–.66 41.38N 20.84E 13–1 2.7L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=4.9km s-min=14.8km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=3.5km s-min=4.7km az=0.0.
ISC XI 19 05 13 02.2–1.1 41.85N–.02 20.12E–.02 3–9 109 0-4
RHSSO XI 19 05 12 59.5–.77 41.66N 20.21E 6–3 2.6L **¶635751754**
TIR XI 19 05 13 01.6–1.1 41.87N 20.14E 14–5 2.5L
PDG XI 19 05 13 02.0–.21 41.85N 20.13E 9–0 2.7L
SKO XI 19 05 13 03.0 41.83N 20.11E 17 2.4L
BEO XI 19 05 13 03.3–.30 41.83N 20.16E 0 2.1L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.
BEO Event type ke.
ISC XI 23 06 18 27.1–.99 41.25N–.02 20.00E–.03 7–8 65 0-3
TIR XI 23 06 18 25.9–1.3 41.26N 20.02E 19–4 2.3L **¶624418853**
PDG XI 23 06 18 26.7–.34 41.28N 20.01E 9–0 2.6L
SKO XI 23 06 18 27.1 41.13N 19.88E 0 2.5L
BEO XI 23 06 18 28.2–.50 41.28N 20.12E 0–4 2.2L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=1.6km s-min=4.3km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.3km az=0.0.
BEO Event type ke.
ISC XI 20 20 34 33.2–.92 41.51N–.02 20.37E–.02 11–7 97 0-3
RHSSO XI 20 20 34 31.3–.88 41.34N 20.37E 6–3 2.4L **¶624418833**
SKO XI 20 20 34 32.4 41.50N 20.36E 22 2.2L
TIR XI 20 20 34 32.6–2.7 41.50N 20.31E 10–11 2.3L
BEO XI 20 20 34 34.9–.30 41.55N 20.41E 0 2.0L
PDG XI 20 20 34 34.3–.58 41.55N 20.28E 13–1 2.5L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=4.4km s-min=10.3km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=90.0.
ISC XI 19 13 50 21.1–1.0 41.86N–.02 20.13E–.02 9–8 70 0-3
TIR XI 19 13 50 20.7–1.4 41.85N 20.08E 15–13 2.6L **¶624418816**
PDG XI 19 13 50 20.7–.43 41.87N 20.11E 13–1 2.8L
BEO XI 19 13 50 21.7–.40 41.90N 20.23E 0–2 2.1L
SKO XI 19 13 50 21.8 41.84N 20.13E 16 2.3L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.6km s-min=9.6km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=2.1km az=0.0.
BEO Event type ke.
ISC XI 20 15 16 22.7–1.0 40.13N–.02 19.86E–.02 6–9 75 0-3
THE XI 20 15 16 22.7 40N–1.0 20E–2.0 0–1 2.6,2.6 **¶622050472**
ATH XI 20 15 16 22.3 40.20N 19.89E 7–2 2.6L,2.6
TIR XI 20 15 16 22.0–2.4 40.14N 19.85E 8–7 2.5L,2.6
PDG XI 20 15 16 23.2–.15 40.06N 19.83E 13–1 2.7L,2.6
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/11/20 15:17:30, This location: 2021/11/20 15:54:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
TIR Event type se. Error ellipse: s-maj=3.9km s-min=6.6km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.2km az=0.0.
ISC XI 27 09 32 51.3–1.1 41.54N–.02 20.32E–.02 4–9 73 0-3
TIR XI 27 09 32 50.5–2.2 41.53N 20.31E 7–12 2.6L **¶624418888**
SKO XI 27 09 32 51.0 41.52N 20.29E 10 2.5L
PDG XI 27 09 32 51.7–.47 41.52N 20.21E 1–1 2.7L
BEO XI 27 09 32 53.1–.40 41.54N 20.40E 3–3 2.3L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=6.7km s-min=9.7km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.6km az=0.0.
BEO Event type ke.
ISC XI 23 20 41 41.2–.91 41.35N–.02 19.67E–.03 14–7 58 0-4
PDG XI 23 20 41 39.9–.33 41.29N 19.65E 13–1 2.5L **¶624418859**
TIR XI 23 20 41 40.8–3.9 41.38N 19.68E 17–15 2.0L
BEO XI 23 20 41 43.1–.50 41.35N 19.53E 10–3 2.0L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=90.0.
TIR Event type se. Error ellipse: s-maj=5.3km s-min=14.2km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC XI 27 10 35 04.7–1.1 41.54N–.02 20.32E–.02 4–9 72 0-3
SKO XI 27 10 35 03.6 41.55N 20.35E 11 2.5L **¶624418889**
TIR XI 27 10 35 04.4–3.1 41.55N 20.27E 6–9 2.5L
PDG XI 27 10 35 05.7–.23 41.56N 20.26E 2–1 2.6L
BEO XI 27 10 35 06.7–.30 41.55N 20.33E 0 2.4L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=4.1km s-min=8.2km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=1.1km az=0.0.
BEO Event type ke.
TIR XI 29 08 01 33.7–2.1 40.20N 19.87E 10–30 2.7L
THE XI 29 08 01 35.6 40.2N–.90 20E–1.0 2–1 2.7,2.7 **¶622050559**
TIR Event type se. Presumed earthquake.
ISC XI 28 03 53 45.2–.93 41.53N–.02 20.34E–.02 11–7 75 0-3
SKO XI 28 03 53 44.7 41.52N 20.29E 15 2.3L **¶624418895**
TIR XI 28 03 53 44.1–1.6 41.54N 20.35E 18–4 2.3L
PDG XI 28 03 53 45.6–.40 41.51N 20.23E 2–1 2.5L
BEO XI 28 03 53 46.7–.30 41.52N 20.37E 3–2 2.1L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.8km s-min=5.3km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.0km az=0.0.
BEO Event type ke.
ISC XI 28 22 12 53.6–.92 41.26N–.02 20.05E–.02 25–7 141 0-5
TIR XI 28 22 12 52.7–1.9 41.25N 20.03E 28–4 2.6L **¶622050547**
PDG XI 28 22 12 52.4–.38 41.22N 19.99E 18–1 2.8L
THE XI 28 22 12 53.4 41N–1.0 20E–2.0 5–3 2.6,2.6
SKO XI 28 22 12 53.5 41.23N 20.03E 20 2.5L,2.6
ATH XI 28 22 12 53.8 41.38N 20.21E 14–6 2.5L,2.6
BEO XI 28 22 12 53.7–.40 41.25N 20.12E 18–3 2.6L,2.6
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.7km s-min=6.3km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.8km az=0.0.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/11/28 22:14:17, This location: 2021/11/28 22:53:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 4 km; Longitude uncertainty: 5 km.
BEO Event type ke.
ISC XI 28 22 14 36.2–.92 41.25N–.02 20.02E–.02 27–7 101 0-4
TIR XI 28 22 14 35.4–1.4 41.25N 20.01E 27–4 2.6L **¶622050548**
BEO XI 28 22 14 36.6–.50 41.24N 20.02E 22–4 2.4L
SKO XI 28 22 14 36.1 41.24N 20.03E 20 2.3L
PDG XI 28 22 14 36.1–.34 41.30N 19.96E 19–1 2.5L
THE XI 28 22 14 37.3 41N–2.0 20E–3.0 15–4 2.5,2.5
ISC Event type ke.
TIR Event type se. Presumed earthquake.
BEO Event type ke.
PDG Event type ke.
ISC XI 27 04 43 53.2–.90 41.56N–.01 20.35E–.02 9–6 211 0-74
IDC XI 27 04 43 49.7–5.5 41.28N 20.45E 0 3.4b,3.3 **¶621625109**
RHSSO XI 27 04 43 50.5–.65 41.37N 20.37E 4–3 3.4L,3.3
SKO XI 27 04 43 51.8 41.56N 20.31E 10 3.2L,3.3
TIR XI 27 04 43 52.2–.77 41.57N 20.34E 16–2 3.3L,3.3
PDG XI 27 04 43 52.9–.44 41.57N 20.36E 5–0 3.3L,3.3
THE XI 27 04 43 53.9 42N–2.0 20E–2.0 5–5 2.9,2.9
BEO XI 27 04 43 53.0–.40 41.50N 20.40E 1–2 2.9L,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=112.2km s-min=36.4km az=30.0.
TIR Event type se. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
BEO Event type ke.
ISC XI 27 02 25 26.3–.96 41.57N–.01 20.35E–.02 6–8 99 0-4
SKO XI 27 02 25 25.8 41.50N 20.38E 8 2.6L **¶626311854**
TIR XI 27 02 25 25.5–.96 41.57N 20.29E 9–3 2.7L
PDG XI 27 02 25 26.3–.43 41.56N 20.29E 4–1 2.8L
BEO XI 27 02 25 27.1–.30 41.55N 20.39E 0 2.5L
THE XI 27 02 25 29.3 42N–4.0 21E–3.0 3–17 2.5,2.5
ISC Event type ke.
TIR Event type se. Presumed earthquake.
PDG Event type ke.
BEO Event type ke.
ISC XII 02 06 17 43.1–2.3 41.30N–.08 20.52E–.06 18–5 46 0-2

TIR XII 02 06 17 46.3–1.9 41.46N 20.35E 20–14 1.9L ¶624418936
PDG XII 02 06 17 48.6–.07 41.48N 20.35E 12–0 2.6L
SKO XII 02 06 17 49.1 41.57N 20.35E 3 1.9L
BEO XII 02 06 17 51.7–.40 41.59N 20.40E 0 2.0L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=6.4km s-min=10.2km az=-1.0. Presumed earthquake.
PDG Event type se. Error ellipse: s-maj=0.3km s-min=0.3km az=0.0.
BEO Event type ke.
ISC XII 01 07 13 56.0–1.0 41.63N–.02 20.88E–.02 7–9 77 0-2
TIR XII 01 07 13 55.0–.96 41.62N 20.86E 8–4 2.4L ¶624418918
SKO XII 01 07 13 55.6 41.61N 20.87E 7 2.5L
PDG XII 01 07 13 55.8–.16 41.63N 20.92E 7–0 2.7L
BEO XII 01 07 13 57.0–.30 41.62N 20.86E 0 2.1L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=1.8km s-min=4.0km az=-1.0. Presumed earthquake.
PDG Event type se. Error ellipse: s-maj=0.9km s-min=1.1km az=0.0.
BEO Event type ke.
ISC XII 01 07 21 12.6–.96 41.65N–.01 20.89E–.02 14–8 119 0-5
TIR XII 01 07 21 12.2–.96 41.64N 20.87E 14–3 2.8L ¶626311861
SKO XII 01 07 21 13.4 41.59N 20.94E 13 2.9L
THE XII 01 07 21 13.4 42N–4.0 21E–4.0 3–7 2.5,2.5
BEO XII 01 07 21 14.4–.40 41.66N 20.91E 1–2 2.6L,2.5
PDG XII 01 07 21 15.2–.62 41.69N 20.86E 2–1 2.8L,2.5
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=1.9km s-min=3.6km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.5km az=0.0.
ISC XII 12 15 48 06.9–.96 41.80N–.02 20.15E–.02 14–8 68 0-2
BEO XII 12 15 48 06.1–.60 41.73N 20.25E 8–2 2.0L ¶624419053
PDG XII 12 15 48 06.9–.31 41.76N 20.10E 11–1 2.5L
TIR XII 12 15 48 06.1–.64 41.81N 20.16E 23–2 2.1L
SKO XII 12 15 48 07.5 41.84N 20.11E 6 2.4L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.0km az=0.0.
TIR Event type se. Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0. Presumed earthquake.
ISC XII 02 23 34 32.2–.91 41.52N–.02 20.38E–.02 13–7 71 0-3
BEO XII 02 23 34 32.8–.50 41.49N 20.39E 0–3 2.1L ¶624418944
SKO XII 02 23 34 32.2 41.56N 20.37E 3 2.1L
PDG XII 02 23 34 32.9–.11 41.54N 20.31E 0–0 2.7L
TIR XII 02 23 34 32.0–.77 41.55N 20.32E 14–4 2.0L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.3km az=90.0.
TIR Event type se. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0. Presumed earthquake.
ISC XII 20 06 58 57.4–1.2 41.47N–.02 20.73E–.03 5–10 56 1-3
BEO XII 20 06 58 56.9–.70 41.34N 20.77E 4–3 2.3L ¶624419160
TIR XII 20 06 58 56.5–2.2 41.47N 20.71E 2–12 2.4L
PDG XII 20 06 58 57.9–.34 41.48N 20.71E 7–0 2.5L
ISC Event type ke.
BEO Event type ke.
TIR Event type se. Error ellipse: s-maj=5.1km s-min=13.8km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
ISC XII 19 22 12 21.4–.98 41.83N–.02 20.09E–.02 12–8 200 0-9
PRU XII 19 22 12 16.9 41.27N 20.00E 10 ¶621633807
SOF XII 19 22 12 19.8 41.86N–.01 20.14E–.03 6–4 3.7
RHSSO XII 19 22 12 20.1–.83 41.76N 20.14E 7–3 3.2L
TIR XII 19 22 12 21.2–1.7 41.83N 20.06E 14–6 3.2L
THE XII 19 22 12 21.6 42N–5.0 20E–7.0 0–12 2.8,2.8
BEO XII 19 22 12 21.0–.30 41.78N 20.12E 8–1 2.9L,2.8
PDG XII 19 22 12 21.0–.62 41.84N 20.10E 13–1 3.2L,2.8
ISC Event type ke.
SOF Event type ke.
TIR Event type se. Error ellipse: s-maj=2.5km s-min=6.7km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.2km az=0.0.

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ISC VII 01 22 03 04.4–.70 39.84N–.01 20.05E–.02 10–4 3.4b 167 0-60
IDC VII 01 22 02 59.6–2.2 39.60N 19.77E 0 3.3b,3.3 ¶620927696
TIR VII 01 22 03 02.8–3.6 39.81N 20.01E 10–7 3.0L,2.9L
THE VII 01 22 03 04.0 40N–1.0 20E–2.0 0–1 2.8,2.8
BEO VII 01 22 03 03.2–.50 39.76N 19.82E 4–8 2.9L,2.8
PDG VII 01 22 03 04.8–.59 39.85N 20.00E 12–1 3.1L,2.8
ATH VII 01 22 03 05.1 39.86N 20.16E 15–2 2.9L,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=53.4km s-min=15.1km az=53.0.
TIR Event type se. Error ellipse: s-maj=7.6km s-min=9.8km az=-1.0. Presumed earthquake.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.2km az=0.0.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/01 22:04:13, This location: 2021/07/01 22:11:40 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISC VII 01 23 32 46.9–.00 39.86N–.03 19.98E–.04 10–5 42 0-2
ATH VII 01 23 32 45.3 39.93N 19.91E 11–1 2.0L ¶624417584
TIR VII 01 23 32 47.4–3.6 39.85N 20.03E 7–8 2.5W,2.0L
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/01 23:34:01, This location: 2021/07/01 23:52:50 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
TIR Event type se. Error ellipse: s-maj=8.8km s-min=19.9km az=-1.0. Presumed earthquake.
ISC VII 02 00 58 35.1–.90 39.85N–.02 20.06E–.02 3–7 80 0-3
TIR VII 02 00 58 34.3–3.5 39.83N 20.01E 8–7 3.0W,2.6L ¶621799890
THE VII 02 00 58 35.4 39.9N–.90 20E–1.0 0–0 2.4,2.4
ATH VII 02 00 58 36.0 39.88N 20.16E 26–1 2.6L,2.4
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=6.5km s-min=9.2km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/07/02 00:59:44, This location: 2021/07/02 01:06:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VII 06 16 05 38.5–1.2 40.52N–.03 20.02E–.03 3–11 32 0-4
TIR VII 06 16 05 37.9–1.4 40.55N 20.00E 12–4 2.7W,2.4L ¶624417644
BEO VII 06 16 05 39.2–.50 40.59N 19.91E 0 2.1L,2.4L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC VII 08 02 51 02.0–1.1 39.93N–.02 20.73E–.02 2–9 85 0-4
TIR VII 08 02 51 01.2–2.3 39.94N 20.73E 4–8 2.6L,2.4L ¶621590999
ATH VII 08 02 51 02.0 39.96N 20.74E 5–1 2.4L,2.4L
BEO VII 08 02 51 03.4–.40 39.83N 20.67E 17–2 2.4L,2.4L
SKO VII 08 02 51 03.2 39.89N 20.68E 11 2.2L,2.4L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=4.0km s-min=5.6km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/07/08 02:52:10, This location: 2021/07/08 04:11:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
BEO Event type ke.
ISC VII 08 05 03 29.1–1.1 39.92N–.01 20.70E–.02 3–9 140 0-4
THE VII 08 05 03 28.7 39.9N–1.0 21E–1.0 0–1 2.8,2.8 ¶621591000
TIR VII 08 05 03 28.1–1.9 39.92N 20.72E 3–6 2.9L,2.8L
SKO VII 08 05 03 29.8 39.90N 20.65E 16 2.6L,2.8L
ATH VII 08 05 03 29.1 39.95N 20.74E 6–0 2.9L,2.8L
BEO VII 08 05 03 30.2–.30 39.86N 20.68E 10 2.6L,2.8L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.1km s-min=4.2km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/07/08 05:04:39, This location: 2021/08/30 10:23:48 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
BEO Event type ke.
ISC VII 18 22 21 44.2–.75 40.60N–.01 20.87E–.01 9–4 3.5b 390 0-93
SKO VII 18 22 21 43.4 40.50N 20.79E 3 3.6L ¶620833407
IDC VII 18 22 21 43.2–1.0 40.69N 20.93E 0 3.6b,3.6
TIR VII 18 22 21 43.3–2.5 40.60N 20.89E 11–6 3.6W,3.5L
PRU VII 18 22 21 43.0 40.58N 21.49E 10 3.6W,3.5L
SOF VII 18 22 21 43.7 40.52N–.01 20.84E–.01 16–3 3.6,3.5L
THE VII 18 22 21 44.4 40.6N–.80 20.9E–.80 0–0 3.5,3.5
ATH VII 18 22 21 44.1 40.64N 20.87E 2–1 3.5L,3.5
PDG VII 18 22 21 44.3–.59 40.64N 20.90E 7–1 3.6L,3.5
BEO VII 18 22 21 45.1–.20 40.67N 20.91E 0 3.4L,3.5
GFZ VII 18 22 21 46.0–.20 41N–2.0 21E–2.0 10 4.0b,4.0
ISC Event type ke.
TIR Event type se. Presumed earthquake.
SOF Event type ke.
ATH Event type ke. Manual Solution by M.Papanikolaou First location: 2021/07/18 22:23:01, This location: 2021/07/18 22:54:42 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
PDG Event type ke.
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 22 16 49 37.5–.38 39.78N–.02 20.68E–.02 20–2 4.5b,3.9s 1049 0-130
IDC VII 22 16 49 34.7–.43 39.77N 20.72E 0 4.3b,4.2 ¶620845125
BJI VII 22 16 49 35.0 39.80N 20.70E 20 4.7b,4.3s
MOS VII 22 16 49 35.1–1.2 39.68N 20.49E 21 4.8b,4.3s
MCSM VII 22 16 49 37.2–.30 40N–2.0 21E–2.0 24–2 4.9b,4.8
NEIC VII 22 16 49 37.8–2.2 39.81N–.04 20.68E–.04 22–4 4.6b,4.8
PDG VII 22 16 49 37.9–1.4 39.77N 20.61E 22–2 4.7,4.6L
TIR VII 22 16 49 37.5–1.8 39.78N 20.75E 14–7 4.3L,4.3L
ROM VII 22 16 49 37.4–.08 39.745N–.01 20.660E–.01 10 4.4L,4.2W
ATH VII 22 16 49 38.1 39.91N 20.72E 13–4 4.3L,4.2W
THE VII 22 16 49 38.2 39.8N–.90 20.7E–.80 13–1 4.3,4.3
MED_R VII 22 16 49 38.0 39.82N 20.70E 24 4.5W,4.3
GFZ VII 22 16 49 39.1–.22 40N–2.0 21E–1.0 22–1 4.8W,4.5b
BEO VII 22 16 49 39.3–.30 39.76N 20.67E 17–2 4.1L,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=8.4km s-min=7.5km az=7.0.
MOS Error ellipse: s-maj=5.1km s-min=3.3km az=70.5.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.2km az=0.0.
TIR Event type se. Error ellipse: s-maj=4.1km s-min=7.3km az=-1.0. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.6km az=283.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.77 $M_{\theta\theta}$-1.28 $M_{\phi\phi}$-0.49 $M_{r\theta}$1.01 $M_{\theta\phi}$1.07 $M_{\phi r}$-1.50 NP1: ϕ_s140.00000°,δ67.00000°,λ103.00000°. NP2:ϕ_s288.00000°,δ26.00000°,λ61.00000°. $M_0$2.63041×10^{15}
ATH Event type ke. Manual Solution by D.Makaris First location: 2021/07/22 16:50:40, This location: 2021/07/22 18:55:47 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}6.85±.72 $M_{\theta\theta}$-3.65±.45; $M_{\phi\phi}$0.00±.40; $M_{r\theta}$1.80±.32; $M_{\theta\phi}$3.06±.23; $M_{\phi r}$-2.69±.24; NP1: ϕ_s308.00000°,δ33.00000°,λ81.00000°. NP2:ϕ_s138.00000°,δ58.00000°,λ96.00000°. Principal axes: T 7.6200,Plg76.0000°,Azm66.0000°; N -0.4200,Plg5.0000°,Azm315.0000° ; P -7.2100,Plg13.0000°,Azm224.0000° $M_0$7.41000×10^{15}
GFZ Error ellipse: s-maj=3.5km s-min=2.3km az=24.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BEO Event type ke.
ISC VII 23 14 21 48.1–.83 39.80N–.02 20.70E–.03 8 42 0-2
TIR VII 23 14 21 48.5–1.1 39.78N 20.71E 11–13 2.6W,2.3L ¶624417783
ATH VII 23 14 21 48.2 39.81N 20.69E 19–0 2.1L,2.3L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.3km s-min=2.9km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/07/23 14:22:55, This location: 2021/07/23 16:17:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VII 23 18 32 48.8–.97 39.77N–.02 20.68E–.02 13–8 61 0-2
TIR VII 23 18 32 48.7–1.3 39.77N 20.67E 16–7 2.8W,2.5L ¶624417785
ATH VII 23 18 32 48.4 39.79N 20.66E 13–3 2.3L,2.5L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.0km s-min=3.5km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/07/23 18:33:55, This location: 2021/07/23 19:27:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VII 24 02 25 14.0–.93 39.84N–.02 20.04E–.02 3–7 95 0-5
NAO VII 24 02 24 55.9 38.58N 24.91E 33 2.7b ¶621112264
TIR VII 24 02 25 13.5–3.0 39.82N 20.03E 8–18 3.2W,2.9L
BEO VII 24 02 25 14.7–.40 39.76N 19.97E 10 2.6L,2.9L
THE VII 24 02 25 14.5 39.9N–1.0 20E–1.0 0–0 2.7,2.7
ISC Event type ke.
TIR Event type se. Presumed earthquake.
BEO Event type ke.
ISC VIII 12 23 54 35.1–1.0 39.23N–.02 20.49E–.02 3–9 123 0-5
NAO VIII 12 23 54 27.9 38.89N 24.62E 33 3.0b ¶621237468
TIR VIII 12 23 54 32.3–1.9 39.09N 20.48E 8–7 2.8L,2.5L
THE VIII 12 23 54 34.9 39.3N–.60 20.5E–1.0 0–2 2.5,2.5
ATH VIII 12 23 54 34.6 39.24N 20.46E 6–0 2.5L,2.5
BEO VIII 12 23 54 34.0–1.1 39.10N 20.26E 5–3 2.5L,2.5
ISC Event type ke.
NAO Event type se. Presumed earthquake.
TIR Event type se. Error ellipse: s-maj=6.5km s-min=7.6km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/08/12 23:55:36, This location: 2021/08/13 05:50:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
BEO Event type ke.
ISC VIII 17 17 09 07.1–.87 39.79N–.02 20.71E–.02 13–6 56 0-2
TIR VIII 17 17 09 06.7–2.4 39.75N 20.72E 15–23 2.5L,2.4L ¶624417958
ATH VIII 17 17 09 07.1 39.81N 20.69E 13–1 2.4L,2.4L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=4.6km s-min=5.1km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Moschou First location: 2021/08/17 17:10:10, This location: 2021/08/17 19:34:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC IX 03 09 47 23.8–.81 39.64N–.02 20.40E–.02 10–5 118 0-4
ATH IX 03 09 47 22.5 39.69N 20.38E 8–1 2.8L ¶621800693
BEO IX 03 09 47 23.0–.70 39.49N 20.21E 14–3 2.6L
TIR IX 03 09 47 23.0 39.64N 20.38E 15 2.9L,2.8L
THE IX 03 09 47 23.4 39.7N–.80 20.4E–.70 0–1 2.7,2.7
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/03 09:48:28, This location: 2021/09/03 13:45:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
BEO Event type ke.
TIR Event type se. Presumed earthquake.
ISC IX 01 08 22 32.3–.96 39.61N–.02 20.55E–.02 17–8 52 0-2
ATH IX 01 08 22 31.9 39.65N 20.54E 15–1 2.3L ¶624418066
TIR IX 01 08 22 31.7–2.4 39.58N 20.56E 17–9 2.5L,2.3L
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/01 08:23:39, This location: 2021/11/25 12:49:57 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
TIR Event type se. Error ellipse: s-maj=7.0km s-min=7.3km az=-1.0. Presumed earthquake.
ISC IX 05 16 29 23.5–.91 40.98N–.02 20.73E–.02 13–7 82 0-3
PDG IX 05 16 29 20.9–.07 40.57N 20.69E 12–14 2.7L ¶621532636
SKO IX 05 16 29 23.0 40.97N 20.74E 14 2.0L
TIR IX 05 16 29 22.0–.95 40.99N 20.69E 7–3 2.4L
BEO IX 05 16 29 26.1–.40 40.97N 20.87E 13–3 2.0L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=15.2km s-min=9.6km az=90.0.
TIR Event type se. Presumed earthquake.
BEO Event type ke.

ISC IX 03 09 09 00.8–.95 39.67N–.02 20.41E–.02 7–8 64 0-2
ATH IX 03 09 08 58.7 39.74N 20.29E 14–1 2.6L **¶621800691**
THE IX 03 09 09 00.5 39.7N–.90 20.4E–.80 0–1 2.5,2.5
TIR IX 03 09 09 00.5 39.67N 20.41E 5 2.6L,2.6L
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/03 09:10:07, This location: 2021/09/03 13:57:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
TIR Event type se. Presumed earthquake.
ISC IX 03 17 29 55.2–.83 39.65N–.02 20.39E–.02 11–6 95 0-2
ATH IX 03 17 29 53.4 39.69N 20.33E 14–2 2.8L **¶621800706**
THE IX 03 17 29 54.7 40N–1.0 20E–1.0 0–1 2.6,2.6
TIR IX 03 17 29 55.0–65 39.67N 20.41E 1–190 2.8L,2.8L
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/03 17:30:59, This location: 2021/09/03 17:39:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
TIR Event type se. Error ellipse: s-maj=164.9km s-min=273.9km az=-1.0. Presumed earthquake.
ISC IX 10 02 27 46.3–.97 40.84N–.02 20.63E–.03 12–9 33 0-2
SKO IX 10 02 27 45.6 40.82N 20.63E 15 2.5L **¶621532656**
TIR IX 10 02 27 45.5–3.2 40.85N 20.62E 7–12 2.4L
ISC Event type se.
TIR Event type se. Error ellipse: s-maj=5.1km s-min=10.3km az=-1.0. Presumed earthquake.
TIR IX 09 14 38 31.2–1.2 39.64N 20.44E 23–13 1.5L
¶635706678
TIR Event type se. Error ellipse: s-maj=6.5km s-min=6.0km az=-1.0. Presumed earthquake.
ISC IX 09 21 04 32.0–.79 39.65N–.02 20.35E–.02 11–5 3.5b 156 0-56
ATH IX 09 21 04 28.4 39.76N 20.19E 7–1 3.5L **¶621105906**
IDC IX 09 21 04 28.3–1.6 39.41N 20.19E 0 3.4b,3.4
THE IX 09 21 04 31.7 39.7N–.90 20E–1.0 0–3 3.2,3.2
TIR IX 09 21 04 31.1–2.0 39.67N 20.42E 4–6 3.5L,3.2L
BEO IX 09 21 04 32.7–.30 39.61N 20.30E 7 3.1L,3.2L
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/09/09 21:05:35, This location: 2021/09/09 21:30:49 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=26.6km s-min=13.5km az=58.0.
TIR Event type se. Error ellipse: s-maj=3.8km s-min=4.6km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC IX 15 13 30 58.4–.94 39.77N–.02 20.70E–.02 14–8 96 0-3
THE IX 15 13 30 58.8 40N–1.0 21E–1.0 2–2 2.5,2.5 **¶621800997**
ATH IX 15 13 30 58.2 39.81N 20.69E 17–1 2.6L,2.5
TIR IX 15 13 30 58.0 39.76N 20.69E 22 2.8L,2.5
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/15 13:31:59, This location: 2021/09/15 14:08:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
TIR Event type se. Presumed earthquake.
ISC IX 14 20 31 06.0–.83 39.66N–.02 20.40E–.02 12–6 67 0-3
ATH IX 14 20 31 03.4 39.76N 20.24E 14–1 2.6L **¶621800979**
THE IX 14 20 31 06.1 40N–2.0 20E–2.0 12–2 2.4,2.4
TIR IX 14 20 31 06.1–1.2 39.66N 20.40E 8–3 2.6L,2.4L
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/14 20:32:09, This location: 2021/09/14 21:03:17 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
TIR Event type se. Error ellipse: s-maj=2.4km s-min=3.4km az=-1.0. Presumed earthquake.
ISC IX 16 23 33 11.3–.82 39.64N–.01 20.42E–.02 9–6 154 0-4
ATH IX 16 23 33 09.8 39.67N 20.35E 17–1 2.8L **¶621801015**
THE IX 16 23 33 10.5 39.7N–.80 20E–1.0 0–1 2.7,2.7
TIR IX 16 23 33 10.1–1.8 39.67N 20.46E 10–5 2.8L,2.7L
BEO IX 16 23 33 12.0–.30 39.65N 20.37E 0–4 2.5L,2.7L
ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/09/16 23:34:13, This location: 2021/11/27 15:12:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
TIR Event type se. Error ellipse: s-maj=2.9km s-min=3.6km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC IX 16 16 58 45.2–.78 39.67N–.01 20.39E–.02 11–5 3.6b 235 0-45
IDC IX 16 16 58 43.0–.92 39.52N 20.58E 0 3.6L,3.6b **¶621080780**
PDG IX 16 16 58 44.8–.43 39.68N 20.38E 12–0 3.5L,3.6b
TIR IX 16 16 58 44.7 39.68N 20.43E 7 3.6L,3.5L
THE IX 16 16 58 45.3 39.7N–.80 20E–1.0 0–0 3.4,3.4
BEO IX 16 16 58 45.1–.30 39.65N 20.25E 10 3.3L,3.4
ATH IX 16 16 58 45.1 39.69N 20.36E 8–2 3.5L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=12.9km az=52.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.9km az=0.0.
TIR Event type se. Presumed earthquake.
BEO Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/09/16 16:59:49, This location: 2021/12/11 13:58:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISC IX 22 23 21 57.4–.78 39.38N–.02 20.57E–.01 16–5 3.6b 178 0-45
IDC IX 22 23 21 54.2–1.2 39.34N 20.57E 0 3.7b,3.6 **¶621118183**
TIR IX 22 23 21 56.6 39.33N 20.58E 16 3.4L,3.2L
THE IX 22 23 21 57.7 39.4N–.60 20.6E–.80 3–1 3.1,3.1
ATH IX 22 23 21 57.1 39.40N 20.59E 19–0 3.2L,3.1
BEO IX 22 23 21 59.1–.50 39.40N 20.43E 12–2 3.1L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=15.2km az=149.0.
TIR Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/22 23:22:58, This location: 2021/09/22 23:28:36 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
ISC IX 24 10 25 20.1–1.0 39.78N–.02 20.67E–.02 14–9 77 0-2
ATH IX 24 10 25 18.8 39.86N 20.59E 13–1 2.4L **¶621801196**
TIR IX 24 10 25 19.2–.65 39.76N 20.70E 25–5 2.5L,2.4L
THE IX 24 10 25 20.5 39.8N–.90 20.7E–.80 5–2 2.3,2.3
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/09/24 10:26:26, This location: 2021/09/24 10:32:31 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
TIR Event type se. Presumed earthquake.
ISC IX 27 17 18 36.4–.59 39.41N–.01 20.44E–.02 13–3 3.6b 266 0-60
NAO IX 27 17 17 48.6 34.95N 24.51E 10 4.0b **¶621110927**
IDC IX 27 17 18 33.6–.88 39.43N 20.41E 0 3.7b,3.6
TIR IX 27 17 18 36.7–1.6 39.42N 20.48E 16–5 3.6L,3.6L
ATH IX 27 17 18 36.6–.25 39.43N 20.42E 5 3.6L,3.6L
PDG IX 27 17 18 37.5–.52 39.43N 20.37E 14–0 3.6L,3.6L
THE IX 27 17 18 37.6 39.4N–.80 20E–1.0 8–2 3.5,3.5
BEO IX 27 17 18 38.7–.50 39.46N 20.33E 12–1 3.4L,3.5
ISC Event type ke.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=15.3km s-min=11.5km az=159.0.
TIR Event type se. Error ellipse: s-maj=4.5km s-min=5.0km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/09/27 17:19:37, This location: 2021/09/27 19:26:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.1km az=0.0.
BEO Event type ke.
ISC X 05 02 05 52.8–.81 39.28N–.02 20.64E–.02 13–5 4.0b 230 0-66
TIR X 05 02 05 50.9–1.4 39.23N 20.68E 0–5 3.3L,3.2L **¶621126135**
IDC X 05 02 05 50.7–6.1 39.43N 20.68E 0 3.7b,3.7
ATH X 05 02 05 51.9 39.32N 20.68E 23–0 3.2L,3.7
PDG X 05 02 05 52.9–.50 39.31N 20.63E 6–1 3.2L,3.7
THE X 05 02 05 52.7 39.3N–.90 20.7E–1.0 0–1 3.1,3.1
NEIC X 05 02 05 52.5–1.4 39.28N–.03 20.61E–.05 10–2 4.3b,3.1
BEO X 05 02 05 54.6–.60 39.32N 20.53E 12–2 3.0L,3.1
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.7km s-min=3.7km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=104.9km s-min=35.1km az=22.0.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/10/05 02:06:52, This location: 2021/10/05 02:26:06 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.8km az=242.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
ISC X 09 18 50 29.8–1.0 39.90N–.02 20.73E–.02 6–9 69 0-4
BEO X 09 18 50 26.5–.60 39.61N 21.15E 0 2.5L **¶624418420**
ATH X 09 18 50 29.3 39.93N 20.69E 6–1 2.4L
TIR X 09 18 50 29.5–3.8 39.91N 20.70E 4–13 2.5L,2.4L
ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/09 18:51:31, This location: 2021/10/09 18:58:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
TIR Event type se. Error ellipse: s-maj=6.0km s-min=7.6km az=-1.0. Presumed earthquake.
ISC X 07 02 22 39.4–.81 39.31N–.01 20.68E–.02 14–5 4.0b 224 0-45
IDC X 07 02 22 36.6–1.1 39.40N 20.75E 0 3.8b,3.8 **¶621217181**
ATH X 07 02 22 38.8 39.33N 20.67E 16–1 3.3L,3.8
NEIC X 07 02 22 39.4–2.3 39.38N–.04 20.70E–.05 10–1 4.2b,3.8
THE X 07 02 22 39.6 39.3N–.60 20.7E–.70 12–1 3.2,3.2
TIR X 07 02 22 39.5–2.9 39.28N 20.70E 12–14 3.3L,3.2L
BEO X 07 02 22 40.6–.60 39.23N 20.48E 12–2 3.1L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=12.7km az=61.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/07 02:23:41, This location: 2021/10/07 02:27:56 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.1km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TIR Event type se. Error ellipse: s-maj=7.9km s-min=8.4km az=-1.0. Presumed earthquake.
BEO Event type ke.
ISC X 06 09 59 07.0–1.0 40.14N–.02 20.78E–.02 5–9 89 0-2
ATH X 06 09 59 06.9 40.14N 20.74E 7–2 2.5L **¶621532744**
SKO X 06 09 59 06.7 40.02N 20.89E 48 2.3L
TIR X 06 09 59 06.2–1.1 40.15N 20.79E 7–8 2.6L,2.5L
THE X 06 09 59 07.3 40N–1.0 21E–1.0 0–0 2.4,2.4
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/10/06 10:00:29, This location: 2021/10/06 10:09:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
TIR Event type se. Presumed earthquake.
TIR X 17 21 15 46.9–.49 40.04N 20.75E 31–3 1.4L
¶635806531
TIR Event type se. Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0. Presumed earthquake.
ISC X 25 10 58 14.7–.84 39.73N–.02 20.35E–.02 12–6 84 0-2
ATH X 25 10 58 14.1 39.75N 20.35E 17–0 2.6L **¶621802472**
THE X 25 10 58 14.7 39.7N–.70 20.4E–.60 2–1 2.3,2.3
TIR X 25 10 58 14.5–2.0 39.73N 20.37E 11–8 2.7L,2.3
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/10/25 10:59:24, This location: 2021/10/25 11:10:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
TIR Event type se. Error ellipse: s-maj=4.1km s-min=5.6km az=-1.0. Presumed earthquake.
ISC X 22 10 31 11.1–1.0 39.53N–.03 20.66E–.02 18–6 46 0-1
TIR X 22 10 31 09.8–.90 39.48N 20.66E 22–5 2.5L,2.2L **¶624418543**
ATH X 22 10 31 11.2 39.61N 20.64E 18–1 2.2L,2.2L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=3.3km s-min=3.6km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/10/22 10:32:15, This location: 2021/10/22 11:01:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XI 01 22 45 12.8–.91 39.89N–.02 19.80E–.03 10–6 67 0-2
ATH XI 01 22 45 12.1 39.90N 19.76E 11–1 2.5L **¶622050325**
TIR XI 01 22 45 13.4–2.8 39.83N 19.87E 16–8 2.4L
THE XI 01 22 45 14.2 40N–2.0 20E–2.0 0–1 2.2,2.2
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/01 22:46:28, This location: 2021/11/01 23:14:29 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
TIR Event type se. Presumed earthquake.
ISC X 27 05 01 59.4–1.5 40.32N–.02 20.27E–.03 3–13 33 0-2
TIR X 27 05 01 58.8–1.2 40.34N 20.28E 29–4 2.5L,2.4L **¶621532822**
SKO X 27 05 01 58.5 40.08N 20.23E 10 2.3L,2.4L
ATH X 27 05 01 59.7 40.42N 20.26E 11–3 2.4L,2.4L
ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=2.3km s-min=3.2km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by S.Liakopoulos First location: 2021/10/27 05:03:13, This location: 2021/10/27 05:33:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
ISC X 27 17 23 15.1–1.1 39.94N–.02 19.69E–.04 9–8 54 0-2
ATH X 27 17 23 14.3 39.97N 19.58E 7–2 2.6L **¶624418586**
TIR X 27 17 23 15.3–1.4 39.92N 19.80E 17–3 2.5L,2.3L
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/10/27 17:24:26, This location: 2021/10/27 17:29:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
TIR Event type se. Error ellipse: s-maj=2.5km s-min=4.4km az=-1.0. Presumed earthquake.
ISC XII 01 18 47 56.5–1.2 40.68N–.03 20.63E–.05 7–10 16 0-2
SKO XII 01 18 47 56.8 40.72N 20.71E 15 1.7L **¶624418926**
TIR XII 01 18 47 56.4–2.0 40.65N 20.61E 10–14 3.9W,2.1L
ISC Event type se.
TIR Event type se. Error ellipse: s-maj=3.8km s-min=4.7km az=-1.0. Presumed earthquake.
ATH XI 11 00 37 46.7 39.01N 20.64E 17–1 1.8L
¶624418687
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/11/11 00:58:45, This location: 2021/11/11 00:58:14 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC XI 18 21 04 59.0–.52 39.56N–.01 20.52E–.01 18–2 4.3b,3.4s 715 0-122
IDC XI 18 21 04 55.8–.55 39.54N 20.56E 0 4.1b,4.0 **¶621416135**
MOS XI 18 21 04 56.6–1.4 39.55N 20.36E 13 4.6b,4.0
NEIC XI 18 21 04 58.3–1.3 39.56N–.04 20.51E–.05 10–1 4.3b,4.0
BEO XI 18 21 04 59.1–.40 39.42N 20.35E 14–1 3.8L,4.0
THE XI 18 21 04 59.9 40N–1.0 21E–1.0 0–1 3.9,3.9
ROM XI 18 21 04 59.4–.11 39.546N–.01 20.464E–.01 10 4.2L,3.9
MCSM XI 18 21 04 59.8–.40 40N–4.0 20E–3.0 10–3 4.2,4.2b
TIR XI 18 21 04 59.0–2.0 39.56N 20.53E 20–7 3.9L,4.2b
PDG XI 18 21 04 59.1–.25 39.60N 20.01E 10–1 3.8L,4.2b
ATH XI 18 21 04 59.3 39.59N 20.53E 12–1 4.0L,4.2b
GFZ XI 18 21 05 00.6–.19 40N–2.0 20E–2.0 10 4.6b,4.3b
NAO XI 18 21 05 05.8 39.98N 18.07E 10 4.1b,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=10.8km s-min=8.2km az=173.0.
MOS Error ellipse: s-maj=5.5km s-min=3.4km az=73.3.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.8km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
ROM Event type se. Error ellipse: s-maj=0.9km s-min=0.8km az=326.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
TIR Event type se. Error ellipse: s-maj=4.7km s-min=5.0km az=-1.0. Presumed earthquake.
PDG Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=90.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/11/18 21:05:17, This location: 2021/11/18 21:17:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.

ISC	**XI**	**18 21 35 22.0–.84**	**39.54N–.02**	**20.54E–.02**	**15–6**		**104**	**0-4**
ATH	XI	18 21 35 20.8	39.59N	20.51E	20–0	2.8L		**¶622050456**
TIR	XI	18 21 35 20.3–1.9	39.52N	20.58E	18–7	2.8L		
THE	XI	18 21 35 21.9	40N–1.0	21E–1.0	0–3	2.7,2.7		
BEO	XI	18 21 35 22.4–.80	39.47N	20.37E	18–2	2.6L,2.7		

ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/11/18 21:36:22, This location: 2021/11/18 21:45:59 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
TIR Event type se. Error ellipse: s-maj=5.6km s-min=5.2km az=-1.0. Presumed earthquake.
BEO Event type ke.

ISC	**XII**	**08 17 25 17.5–.85**	**39.54N–.02**	**20.46E–.02**	**7–6**		**89**	**0-2**
TIR	XII	08 17 25 16.7–4.3	39.48N	20.46E	10–412	2.8L		**¶622050665**
THE	XII	08 17 25 17.3	39.5N–.90	20.5E–.60	0–2	2.6,2.6		
ATH	XII	08 17 25 17.2	39.57N	20.46E	7–1	2.6L,2.6		

ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=18.4km s-min=17.5km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/12/08 17:26:15, This location: 2021/12/08 18:06:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**XII**	**10 11 11 52.5–.77**	**39.54N–.01**	**20.46E–.02**	**9–5**	**3.9b**	**183**	**0-45**
IDC	XII	10 11 11 50.4–1.4	39.53N	20.64E	0	4.0L,3.8b		**¶621644122**
TIR	XII	10 11 11 50.6–2.5	39.42N	20.49E	14–15	3.5L,3.8b		
BEO	XII	10 11 11 52.8–.60	39.49N	20.25E	7–2	3.1L,3.8b		
THE	XII	10 11 11 52.5	39.6N–.60	20.5E–.60	0–1	3.2,3.2		
ATH	XII	10 11 11 52.8	39.58N	20.42E	5–0	3.3L,3.2		

ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=22.7km az=177.0.
TIR Event type se. Error ellipse: s-maj=8.0km s-min=7.3km az=-1.0. Presumed earthquake.
BEO Event type ke.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/12/10 11:12:51, This location: 2021/12/10 11:51:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.

TIR	**XII**	**09 04 53 28.4–1.4**	**39.55N**	**20.53E**	**10–999**	**2.0L**		**¶636235752**

TIR Event type se. Error ellipse: s-maj=20.5km s-min=18.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**17 11 40 17.2–.83**	**39.75N–.02**	**20.74E–.02**	**17–5**		**85**	**0-2**
ATH	XII	17 11 40 16.8	39.74N	20.74E	18–1	2.7L		**¶622050756**
THE	XII	17 11 40 17.5	40N–1.0	21E–1.0	15–1	2.6,2.6		
TIR	XII	17 11 40 17.0–1.4	39.71N	20.76E	20–14	3.0L,2.6		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/17 11:41:15, This location: 2021/12/17 11:48:24 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
TIR Event type se. Error ellipse: s-maj=4.1km s-min=5.8km az=-1.0. Presumed earthquake.

ISC	**XII**	**10 16 22 50.5–.84**	**39.57N–.02**	**20.46E–.02**	**8–6**		**83**	**0-2**
TIR	XII	10 16 22 49.8–2.4	39.52N	20.44E	17–13	2.7L		**¶622050689**
THE	XII	10 16 22 50.6	39.6N–.80	20.5E–.80	0–1	2.4,2.4		
ATH	XII	10 16 22 50.1	39.62N	20.44E	9–0	2.6L,2.4		

ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=6.6km s-min=7.7km az=-1.0. Presumed earthquake.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/10 16:23:47, This location: 2021/12/10 16:29:37 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**XII**	**19 00 12 59.2–.87**	**40.44N–.02**	**20.82E–.02**	**9–6**		**71**	**0-3**
THE	XII	19 00 12 58.4	40N–1.0	21E–1.0	1–2	2.4,2.4		**¶622050768**
ATH	XII	19 00 12 58.6	40.49N	20.77E	6–1	2.4L,2.4		
TIR	XII	19 00 12 58.3–1.6	40.45N	20.80E	4–4	2.5L,2.4		
BEO	XII	19 00 12 59.3–.50	40.40N	21.09E	2–6	2.3L,2.4		

ISC Event type ke.
ATH Event type ke. Manual Solution by E.Vogiannis First location: 2021/12/19 00:14:07, This location: 2021/12/19 00:35:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
TIR Event type se. Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0. Presumed earthquake.
BEO Event type ke.

ISC	**XII**	**23 13 26 14.2–.85**	**39.56N–.02**	**20.47E–.02**	**9–6**		**98**	**0-3**
ATH	XII	23 13 26 13.9	39.60N	20.45E	9–1	2.6L		**¶622050797**
TIR	XII	23 13 26 13.4–1.2	39.52N	20.49E	5–9	2.6L		
THE	XII	23 13 26 14.2	40N–1.0	20.5E–.90	0–2	2.5,2.5		

ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/12/23 13:27:11, This location: 2021/12/23 13:58:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
TIR Event type se. Presumed earthquake.

ISC	**XII**	**23 20 37 08.5–.79**	**39.01N–.01**	**20.82E–.02**	**10–5**	**3.9b**	**158**	**0-45**
TIR	XII	23 20 37 06.9–1.5	39.00N	20.80E	15–7	3.3L		**¶621686844**
IDC	XII	23 20 37 07.5–57	38.74N	20.78E	0	3.7,3.6b		
ATH	XII	23 20 37 07.4	39.03N	20.78E	14–0	3.2L,3.6b		
THE	XII	23 20 37 07.8	39N–1.0	20.8E–1.0	20–1	3.3,3.3		
BEO	XII	23 20 37 08.3–.60	38.95N	20.64E	11–3	3.1L,3.3		
PDG	XII	23 20 37 08.1–.62	39.02N	20.73E	8–1	3.5L,3.3		

ISC Event type ke.
TIR Event type se. Error ellipse: s-maj=8.0km s-min=6.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=1056.0km s-min=67.7km az=48.0.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/12/23 20:38:00, This location: 2021/12/23 20:43:18 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.2km az=0.0.

ISC	**XII**	**24 05 13 51.5–.88**	**39.67N–.02**	**20.61E–.02**	**14–6**		**73**	**0-2**
TIR	XII	24 05 13 50.5–2.0	39.59N	20.68E	11–7	2.9L		**¶622050800**
ATH	XII	24 05 13 51.1	39.69N	20.60E	17–0	2.7L		
THE	XII	24 05 13 51.6	39.7N–.80	20.6E–.60	13–2	2.6,2.6		

ISC Event type ke.
TIR Event type se. Presumed earthquake.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/24 05:14:49, This location: 2021/12/24 05:21:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.

ISC	**XII**	**24 06 59 22.7–.85**	**39.68N–.02**	**20.60E–.02**	**11–6**		**88**	**0-4**
ATH	XII	24 06 59 21.9	39.71N	20.58E	14–5	2.8L		**¶622050802**
THE	XII	24 06 59 22.5	39.7N–.90	20.6E–.70	14–2	2.8,2.8		
TIR	XII	24 06 59 22.2–2.1	39.69N	20.63E	3–8	3.0L,2.8		
BEO	XII	24 06 59 24.6–.40	39.69N	20.49E	5–9	2.6L,2.8		

ISC Event type ke.
ATH Event type ke. Manual Solution by A.Papageorgiou First location: 2021/12/24 07:00:18, This location: 2021/12/24 07:11:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 2 km.
TIR Event type se. Error ellipse: s-maj=3.1km s-min=4.0km az=-1.0. Presumed earthquake.
BEO Event type ke.

ISC	**XII**	**24 01 17 13.0–.82**	**39.68N–.01**	**20.59E–.01**	**9–5**	**4.1b,3.5s**	**491**	**0-130**
SOF	XII	24 01 17 08.1	39.37N–.06	20.47E–.04	2–1	4.4,3.5s		**¶621652213**
BGR	XII	24 01 17 09.9–1.4	39.28N	20.83E	10	4.0L,3.5s		
TIR	XII	24 01 17 11.0–3.0	39.58N	20.70E	12–16	4.4L,3.5s		
PDG	XII	24 01 17 11.6–.83	39.67N	20.54E	3–1	4.4L,3.5s		
THE	XII	24 01 17 12.4	39.7N–.70	20.6E–.80	0–1	4.0,4.0		
BEO	XII	24 01 17 12.1–.50	39.39N	20.39E	24–2	4.0L,4.0		
IDC	XII	24 01 17 12.0–.53	39.76N	20.61E	0	3.9b,3.9		
ATH	XII	24 01 17 12.1	39.72N	20.58E	11–1	4.1L,3.9		
MED_R	XII	24 01 17 12.0	39.70N	20.62E	17	4.4W,3.9		
NEIC	XII	24 01 17 13.4–2.1	39.75N–.05	20.60E–.05	10–1	4.3b,3.9		
GFZ	XII	24 01 17 14.4–.19	40N–2.0	21E–2.0	10	4.9b,4.5b		
NAO	XII	24 01 17 17.7	39.70N	20.62E	10	4.3b,4.5b		

ISC Event type ke.
SOF Event type ke.
BGR Event type ke. Error ellipse: s-maj=31.1km s-min=14.5km az=35.0.
TIR Event type se. Error ellipse: s-maj=10.6km s-min=11.0km az=-1.0. Presumed earthquake.
PDG Event type se. Error ellipse: s-maj=0.9km s-min=1.2km az=0.0.
BEO Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=8.6km az=1.0.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/12/24 01:18:09, This location: 2021/12/24 03:06:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-0.44±.77 $M_{\theta\theta}$4.17±.60; $M_{\phi\phi}$0.00±.44; $M_{r\theta}$-0.56±.81; $M_{\theta\phi}$2.52±.36; $M_{\phi r}$-1.23±1.13; NP1: ϕ_s298.00000°,δ74.00000°,λ-3.00000°. NP2:ϕ_s29.00000°,δ87.00000°,λ-164.00000°. Principal axes: T 5.0500,Plg9.0000°,Azm163.0000°; N -0.3300,Plg73.0000°,Azm40.0000° ; P -4.7200,Plg14.0000°,Azm255.0000° M_o4.88000×10^{15}
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.1km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NAO Event type se. Presumed earthquake.

(393) Madeira Islands region.

ISC	**VII**	**19 02 33 50.1–1.2**	**34.91N–.09**	**14.79W–.08**	**10**		**43**	**2-10**
MDD	VII	19 02 33 50.9–.32	34.97N	14.98W	38	4.6b,4.1		**¶620833500**
CNRM	VII	19 02 33 52.3	34.92N	15.09W	30	4.6b,4.1		
INMG	VII	19 02 33 57.2–2.9	34.85N	14.75W	15–148	2.8L,4.1		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=1.5km az=124.0.
INMG Event type ke. Error ellipse: s-maj=13.9km s-min=3.7km az=126.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Porto Santo (Madeira).

ISC	**VIII**	**28 16 15 23.9–.53**	**32.97N–.03**	**12.78W–.03**	**10**		**118**	**3-9**
CNRM	VIII	28 16 15 27.8	32.88N	12.68W	10	3.6L		**¶621009871**
IGIL	VIII	28 16 15 30.6	33.05N	12.68W	11	3.6L		
MDD	VIII	28 16 15 31.5–.60	33.03N	12.67W	40–24	4.4b,3.9		
INMG	VIII	28 16 15 34.5–1.2	32.96N	12.66W	10	2.8L,3.9		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=4.6km az=176.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=147.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Madeira Islands, Portugal Regi.

ISC	**IX**	**05 09 56 10.6–1.4**	**33.13N–.05**	**12.42W–.07**	**35**		**40**	**3-8**
CNRM	IX	05 09 56 11.1	32.97N	12.38W	28	2.9L		**¶621883348**
INMG	IX	05 09 56 15.4–1.6	33.05N	12.43W	32	2.3L		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=4.8km az=102.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Madeira Islands, Portugal Regi.

ISC	**IX**	**03 04 19 53.3–.95**	**32.00N–.05**	**17.1W–.10**	**10**		**22**	**1-4**
MDD	IX	03 04 19 56.4–.61	32.02N	17.15W	0	4.0b,3.4		**¶621024233**
INMG	IX	03 04 20 02.0–.94	32.19N	16.92W	2	1.6L,3.4		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=19.0km s-min=3.7km az=88.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=1.6km az=94.0. #DIST_RANGE: LOCAL #IPMA_REGION: S Funchal (Madeira).

CNRM	**IX**	**15 22 34 38.8**	**33.27N**	**12.78W**	**57**	**3.9L**		**¶625046327**

ISC	**IX**	**05 06 10 37.7–.57**	**33.07N–.02**	**17.11W–.03**	**35**		**173**	**0-15**
MDD	IX	05 06 10 40.9–.28	33.03N	17.21W	30	4.9b,4.5		**¶621035479**
INMG	IX	05 06 10 44.0–1.3	33.06N	17.24W	34–4	3.7L,4.5		
IGIL	IX	05 06 10 44.9	33.08N	17.23W	31	3.7L,4.5		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=1.3km az=115.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=105.0. #DIST_RANGE: LOCAL #IPMA_REGION: NW Porto Moniz (Madeira) #FELT: III (MM56) at Ilha da Madeira:P. Delgada (Sao Vicente).

ISC	**X**	**15 12 42 50.4–1.8**	**31.68N–.06**	**13.12W–.08**	**10**		**53**	**3-9**
CNRM	X	15 12 42 54.0–1.2	31.57N	13.03W	21–22			**¶624814815**
INMG	X	15 12 42 55.9–.94	31.44N	13.16W	10	2.7L		

ISC Event type ke.
CNRM Error ellipse: s-maj=19.4km s-min=4.7km az=71.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=127.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NE Selvagens (Madeira).

ISC	**IX**	**17 21 49 40.0–2.1**	**34.89N–.05**	**11.8W–.10**	**10**		**143**	**3-9**
MDD	IX	17 21 49 42.8–.70	34.86N	12.03W	30	4.0b,3.3		**¶621082831**
INMG	IX	17 21 49 45.5–1.2	34.82N	12.07W	10	2.5L,3.3		
IGIL	IX	17 21 49 45.0	34.80N	12.06W	10	2.5L,3.3		
CNRM	IX	17 21 49 47.0	34.79N	11.49W	50	3.0L,3.3		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=100.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=2.1km az=136.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Madeira Islands, Portugal Regi.

ISC	**XII**	**21 12 48 51.8–.35**	**33.34N–.02**	**13.15W–.02**	**10**		**113**	**3-10**
MDD	XII	21 12 48 56.9–.29	33.21N	13.08W	30	4.6b,4.1		**¶621636606**
CNRM	XII	21 12 48 57.9–1.3	33.15N	13.13W	34–11	4.6b,4.1		
INMG	XII	21 12 49 02.4–2.2	33.27N	13.04W	15	3.4L,4.1		
IGIL	XII	21 12 49 03.4	33.27N	13.05W	21	3.0L,4.1		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=1.8km az=127.0.
CNRM Error ellipse: s-maj=5.3km s-min=4.2km az=14.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=143.0. #DIST_RANGE: REGIONAL #IPMA_REGION: E Porto Santo (Madeira).
IGIL Event type se. Presumed earthquake.

ISC	**X**	**25 02 47 46.6–1.3**	**34.49N–.07**	**15.90W–.07**	**10**		**48**	**1-11**
MDD	X	25 02 47 51.6–1.6	34.48N	16.12W	30	4.2b,3.6		**¶621238467**
INMG	X	25 02 47 54.1–2.3	34.41N	16.21W	3	2.4L,3.6		
CNRM	X	25 02 47 59.9–1.2	34.59N	15.24W	32–35	2.4L,3.6		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=22.9km s-min=10.5km az=148.0.
INMG Event type ke. Error ellipse: s-maj=28.2km s-min=3.7km az=124.0. #DIST_RANGE: REGIONAL #IPMA_REGION: N Porto Santo (Madeira).
CNRM Error ellipse: s-maj=29.4km s-min=5.1km az=84.0.

ISC	**XII**	**01 23 55 56.4–.83**	**33.13N–.05**	**17.09W–.05**	**35**		**93**	**0-10**
MDD	XII	01 23 55 59.3–.31	33.09N	17.20W	40–8	4.9b,4.4		**¶621606942**
INMG	XII	01 23 56 01.3–1.7	33.14N	17.16W	28–9	3.5L,4.4		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=1.8km az=110.0.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=2.9km az=109.0. #DIST_RANGE: REGIONAL #IPMA_REGION: N Porto Moniz (Madeira).

(394) Canary Islands region.

ISC	**VII**	**22 03 01 50.2–2.3**	**29.01N–.05**	**13.0W–.10**	**10**		**59**	**0-5**
MDD	VII	22 03 01 56.7–.82	29.14N	13.14W	40–5	3.2		**¶620844261**

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=13.3km s-min=6.1km az=163.0.

ISC	**IX**	**19 10 16 43.7–.93**	**28.60N–.02**	**17.84W–.03**	**10**		**46**	**0-4**
INMG	IX	19 10 16 45.7–2.0	28.59N	17.91W	0	3.5L		**¶621083075**
MDD	IX	19 10 16 45.4–.50	28.62N	17.87W	0–3	3.8		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=102.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=71.0.

ISC	**IX**	**14 05 59 57.5–.92**	**28.61N–.03**	**17.90W–.03**	**27–4**		**66**	**0-4**
MDD	IX	14 06 00 00.6–.94	28.58N	17.88W	9–6	3.5		**¶621072676**

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=3.7km az=68.0.

ISC	**X**	**03 03 16 06.4–.90**	**28.59N–.03**	**17.85W–.03**	**29–3**		**80**	**0-4**
MDD	X	03 03 16 08.8–.99	28.55N	17.83W	14–6	3.5		**¶621117078**

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=5.4km az=75.0.

ISC	**IX**	**20 20 32 43.9–.94**	**28.68N–.03**	**17.91W–.05**	**24–5**		**42**	**0-5**
MDD	IX	20 20 32 46.3–.70	28.62N	17.90W	0–3	3.8		**¶621086649**
INMG	IX	20 20 32 47.5–1.8	28.62N	17.89W	0–3	3.2L		

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=1.9km az=59.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=2.2km az=70.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.

ISC	**X**	**01 14 12 59.2–.92**	**28.57N–.03**	**17.84W–.04**	**25–5**		**62**	**0-4**
MDD	X	01 14 13 01.7–.86	28.56N	17.85W	10–5	3.6		**¶621116082**

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=75.0.
ISC IX 30 20 30 09.4–.92 28.57N–.03 17.84W–.04 30–4 48 0-4
MDD IX 30 20 30 12.7–.82 28.58N 17.85W 13–5 3.5 **¶621113745**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=71.0.
ISC X 05 13 57 04.1–1.2 28.59N–.03 17.75W–.03 35 92 0-5
INMG X 05 13 57 06.5–1.2 28.63N 17.85W 40–2 3.1L **¶621125900**
MDD X 05 13 57 06.0–1.1 28.58N 17.83W 37–6 3.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=137.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=16.9km s-min=9.0km az=73.0.
ISC X 03 21 32 44.0–.89 28.60N–.03 17.85W–.03 31–3 75 0-5
MDD X 03 21 32 47.1–.87 28.56N 17.83W 12–5 3.5 **¶621117498**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=78.0.
ISC X 04 14 30 57.2–.89 28.54N–.02 17.78W–.02 19–1 67 0-4
MDD X 04 14 30 59.5–.82 28.57N 17.83W 10–4 3.7 **¶621118322**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=77.0.
ISC X 03 19 14 35.1–.92 28.55N–.03 17.83W–.03 24–5 72 0-5
MDD X 03 19 14 37.4–.86 28.56N 17.83W 12–5 3.7 **¶621117489**
INMG X 03 19 14 38.8–1.5 28.58N 17.87W 7–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.3km s-min=4.8km az=78.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=105.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 05 03 36 36.1–1.2 28.61N–.03 17.75W–.03 35 84 0-5
MDD X 05 03 36 38.3–1.2 28.62N 17.81W 38–7 3.9 **¶621120440**
INMG X 05 03 36 39.0–1.2 28.60N 17.84W 38–2 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.1km s-min=9.0km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=28.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 05 18 36 58.9–1.2 28.60N–.03 17.74W–.03 35 96 0-5
MDD X 05 18 37 00.8–1.2 28.59N 17.80W 39–6 3.5 **¶621125924**
INMG X 05 18 37 01.7–1.2 28.61N 17.85W 38–2 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.4km s-min=9.4km az=74.0.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=136.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 06 07 25 45.7–1.2 28.59N–.03 17.73W–.04 35 43 0-5
MDD X 06 07 25 47.5–1.2 28.56N 17.84W 37–7 3.7 **¶621126160**
INMG X 06 07 25 48.2–1.1 28.62N 17.83W 37–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.1km s-min=9.1km az=73.0.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=111.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 06 11 39 37.6–.92 28.58N–.03 17.81W–.04 27–5 45 0-4
MDD X 06 11 39 40.2–.85 28.56N 17.83W 12–5 3.7 **¶621126192**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.7km az=80.0.
ISC X 09 20 05 33.3–1.2 28.57N–.03 17.76W–.03 35 65 0-5
MDD X 09 20 05 35.7–1.1 28.58N 17.84W 36–6 3.9 **¶621144041**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.9km s-min=8.6km az=74.0.
ISC X 06 22 42 00.9–.92 28.59N–.03 17.83W–.05 31–5 38 0-5
MDD X 06 22 42 04.1–.96 28.55N 17.83W 13–5 3.9 **¶621126640**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.2km s-min=5.4km az=85.0.
ISC X 07 11 17 07.5–1.1 28.61N–.03 17.76W–.04 35 103 0-10
MDD X 07 11 17 10.3–1.2 28.58N 17.79W 35–7 4.3 **¶621126714**
INMG X 07 11 17 11.7–1.3 28.60N 17.82W 30 3.2L
CNRM X 07 11 17 14.5–1.4 29.19N 17.31W 20–44 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.0km s-min=8.7km az=74.0.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=88.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=50.8km s-min=4.5km az=39.0.
ISC X 07 22 47 14.2–.93 28.59N–.03 17.85W–.03 29–5 61 0-4
MDD X 07 22 47 16.9–.90 28.55N 17.83W 14–5 3.6 **¶621134144**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=80.0.
ISC X 09 09 28 39.5–1.2 28.62N–.03 17.77W–.03 35 98 0-5
INMG X 09 09 28 42.4–1.3 28.58N 17.88W 36–2 3.0L **¶621143774**
MDD X 09 09 28 42.4–1.1 28.59N 17.80W 31–6 3.8
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=19.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=13.8km s-min=7.9km az=74.0.
ISC X 09 20 27 27.9–1.2 28.54N–.03 17.80W–.04 35 60 0-5
MDD X 09 20 27 30.4–1.4 28.55N 17.82W 36–8 3.8 **¶621144045**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.7km s-min=9.7km az=74.0.
ISC X 08 03 31 00.9–1.2 28.59N–.03 17.77W–.03 35 98 0-5
MDD X 08 03 31 03.0–1.2 28.58N 17.83W 38–7 3.8 **¶621134167**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.0km s-min=9.9km az=72.0.
ISC X 08 23 55 04.5–1.1 28.62N–.03 17.75W–.04 35 118 0-11
MDD X 08 23 55 07.0–1.1 28.58N 17.82W 38–6 4.2 **¶621143677**
INMG X 08 23 55 07.9–1.1 28.59N 17.83W 37–2 3.7L
CNRM X 08 23 55 12.6–1.4 29.27N 17.24W 19–30 3.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.9km s-min=9.2km az=74.0.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=21.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=35.6km s-min=6.0km az=40.0.
ISC X 09 15 31 25.8–.99 28.59N–.03 17.84W–.07 26–5 34 0-5
MDD X 09 15 31 28.2–.89 28.56N 17.84W 13–5 3.6 **¶621144017**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.6km s-min=5.2km az=74.0.
ISC X 10 13 05 37.6–1.2 28.58N–.03 17.69W–.03 35 62 0-5
MDD X 10 13 05 40.0–1.3 28.56N 17.84W 38–7 4.0 **¶621144255**
INMG X 10 13 05 40.4–1.0 28.57N 17.89W 39–2 3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=18.7km s-min=9.2km az=72.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=1.8km az=64.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 10 01 57 19.8–1.2 28.60N–.03 17.77W–.03 35 94 0-5
MDD X 10 01 57 22.2–1.2 28.56N 17.81W 34–7 3.8 **¶621144120**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.2km s-min=8.9km az=71.0.
ISC X 12 01 31 32.3–.93 28.60N–.03 17.86W–.04 30–4 44 0-5
MDD X 12 01 31 35.2–.83 28.56N 17.83W 13–5 3.7 **¶621146140**
INMG X 12 01 31 36.7–1.8 28.57N 17.93W 7–3 2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=76.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=2.1km az=71.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 10 11 54 44.1–1.1 28.61N–.03 17.77W–.03 35 104 0-13
MDD X 10 11 54 46.6–1.1 28.58N 17.82W 37–6 4.1 **¶621144250**
INMG X 10 11 54 47.3–1.4 28.62N 17.87W 38–2 3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.3km s-min=8.9km az=74.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=113.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD X 11 12 20 53.8–.83 28.56N 17.83W 14–5 3.7 ¶621145543
MDD Event type ke. Error ellipse: s-maj=7.3km s-min=4.8km az=77.0.
ISC X 10 21 46 24.7–1.2 28.61N–.03 17.77W–.03 35 100 0-5
MDD X 10 21 46 27.1–1.1 28.59N 17.83W 38–6 4.3 **¶621144603**
INMG X 10 21 46 27.7–.97 28.60N 17.86W 39–1 3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.8km s-min=9.1km az=74.0.
INMG Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=26.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 11 21 39 10.3–.90 28.59N–.03 17.82W–.04 30–5 55 0-5
MDD X 11 21 39 13.3–.82 28.56N 17.84W 13–5 3.7 **¶621146125**
INMG X 11 21 39 14.8–1.4 28.57N 17.84W 8–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.1km s-min=4.6km az=75.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=88.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 12 07 25 03.0–1.2 28.58N–.03 17.77W–.03 35 92 0-5
MDD X 12 07 25 05.0–1.1 28.57N 17.82W 37–6 4.1 **¶621146158**
INMG X 12 07 25 05.5–.96 28.61N 17.86W 39–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.5km s-min=8.5km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=136.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 12 15 52 19.0–1.2 28.61N–.03 17.74W–.03 35 78 0-5
MDD X 12 15 52 20.8–1.1 28.57N 17.82W 38–6 3.8 **¶621146421**
INMG X 12 15 52 21.3–.94 28.59N 17.85W 40–2 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.3km s-min=9.2km az=74.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=18.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 12 07 16 48.1–.91 28.59N–.03 17.83W–.04 30–3 48 0-5
MDD X 12 07 16 51.0–.81 28.56N 17.84W 13–5 3.7 **¶621146157**
INMG X 12 07 16 52.1–1.1 28.56N 17.84W 10–2 2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=78.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=1.8km az=80.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 12 19 45 06.1–1.2 28.61N–.03 17.75W–.03 35 87 0-5
INMG X 12 19 45 08.4–1.1 28.60N 17.87W 40–2 2.9L **¶621146468**
MDD X 12 19 45 08.0–1.2 28.59N 17.82W 38–6 3.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=16.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=17.0km s-min=9.1km az=73.0.
ISC X 13 09 36 59.1–.90 28.58N–.03 17.85W–.03 27–4 82 0-5
MDD X 13 09 37 01.6–.85 28.56N 17.84W 13–5 3.6 **¶621146905**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=74.0.
ISC X 13 03 22 07.1–1.1 28.64N–.03 17.69W–.05 35 55 0-10
MDD X 13 03 22 09.2–1.1 28.58N 17.83W 37–6 3.9 **¶621146554**
INMG X 13 03 22 09.7–.99 28.58N 17.84W 39–2 3.0L
CNRM X 13 03 22 11.6–1.5 29.17N 17.35W 4–35 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.6km s-min=8.5km az=73.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=1.4km az=70.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=46.6km s-min=5.6km az=41.0.
ISC X 13 03 35 45.7–1.5 28.55N–.08 17.80W–.09 32–7 26 0-4
MDD X 13 03 35 49.2–.83 28.56N 17.83W 13–5 3.5 **¶621146555**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=76.0.
ISC X 12 23 13 11.5–1.5 28.55N–.08 17.8W–.10 30–7 25 0-4
MDD X 12 23 13 15.0–.82 28.56N 17.83W 13–5 3.5 **¶621146544**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.5km az=75.0.
ISC X 14 04 32 48.5–.90 28.60N–.03 17.87W–.03 31–4 66 0-5
MDD X 14 04 32 51.6–.77 28.56N 17.84W 10–4 3.6 **¶621148708**
INMG X 14 04 32 51.9–1.3 28.53N 17.82W 11–4 2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=76.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=2.7km az=59.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 13 16 05 06.4–1.1 29.27N–.03 14.80W–.03 35 85 1-8
MDD X 13 16 05 10.1–.39 29.19N 14.81W 30 3.3 **¶621147919**
CNRM X 13 16 05 12.5–.92 29.37N 14.08W 8 3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=2.0km az=174.0.
CNRM Error ellipse: s-maj=19.2km s-min=6.8km az=164.0.
ISC X 13 14 33 45.3–1.2 28.60N–.03 17.79W–.04 35 108 0-10
MDD X 13 14 33 48.0–1.1 28.58N 17.82W 36–6 4.4 **¶621147914**
INMG X 13 14 33 48.5–1.1 28.61N 17.86W 38–1 3.9L
CNRM X 13 14 33 58.0–.93 29.63N 16.82W 7 3.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.0km s-min=8.3km az=74.0.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=22.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=9.6km s-min=3.7km az=34.0.
ISC X 15 02 27 14.8–1.2 28.60N–.03 17.78W–.03 35 105 0-5
MDD X 15 02 27 17.1–1.1 28.57N 17.83W 35–6 4.0 **¶621202363**
INMG X 15 02 27 17.9–1.3 28.57N 17.83W 35 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.8km s-min=8.1km az=74.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=66.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 14 01 27 53.7–1.0 28.58N–.03 17.76W–.04 35 119 0-13
MDD X 14 01 27 56.8–1.1 28.58N 17.85W 37–6 4.2 **¶621148699**
INMG X 14 01 27 57.2–1.1 28.58N 17.88W 39–2 3.9L
CNRM X 14 01 28 10.9–1.2 29.87N 16.63W 7 3.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.8km s-min=8.5km az=73.0.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=20.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=12.3km s-min=6.0km az=27.0.
MDD X 14 01 27 59.3–1.1 28.59N 17.81W 37–6 4.5 ¶635676296
MDD Event type ke. Error ellipse: s-maj=16.6km s-min=8.9km az=73.0.
ISC X 14 12 38 56.9–1.2 28.58N–.03 17.77W–.03 35 98 0-5
MDD X 14 12 38 59.1–1.1 28.57N 17.83W 37–6 3.8 **¶621186219**
INMG X 14 12 38 59.9–1.0 28.59N 17.86W 36–2 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.7km s-min=8.4km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=118.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 14 07 40 36.2–.90 28.60N–.03 17.86W–.03 29–3 84 0-5
MDD X 14 07 40 39.2–.76 28.56N 17.83W 12–4 3.5 **¶621148725**
INMG X 14 07 40 40.6–1.5 28.59N 17.86W 4–2 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=77.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.3km az=100.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 15 07 02 15.8–1.1 28.60N–.03 17.79W–.04 35 144 0-13
MDD X 15 07 02 19.6–1.1 28.58N 17.82W 36–6 4.5 **¶621202378**
INMG X 15 07 02 20.2–1.3 28.61N 17.85W 37–2 3.8L
CNRM X 15 07 02 23.2–.89 28.96N 17.56W 76–37 3.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.2km s-min=8.3km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=11.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=8.6km s-min=5.3km az=56.0.
ISC X 15 21 30 23.9–1.2 28.57N–.03 17.77W–.03 35 75 0-5
MDD X 15 21 30 26.0–1.2 28.56N 17.84W 36–7 3.5 **¶621204458**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.0km s-min=8.5km az=73.0.
ISC X 15 17 47 38.6–.95 28.60N–.03 17.82W–.03 33–3 92 0-5

MDD X 15 17 47 42.0–.83 28.56N 17.84W 13–5 4.0 **¶621203273**
INMG X 15 17 47 43.4–1.3 28.59N 17.85W 9–1 2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.3km s-min=4.6km az=77.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=116.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 15 10 48 28.6–1.1 28.61N–.03 17.77W–.03 35 103 0-12
MDD X 15 10 48 31.9–1.1 28.58N 17.82W 38–6 4.1 **¶621202576**
INMG X 15 10 48 32.5–1.0 28.61N 17.85W 39–2 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.9km s-min=8.6km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=17.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 16 12 44 32.8–1.2 28.57N–.03 17.77W–.03 35 95 0-5
MDD X 16 12 44 35.0–1.1 28.55N 17.84W 35–6 3.6 **¶621204669**
INMG X 16 12 44 36.1–.92 28.56N 17.84W 31–4 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.5km s-min=8.3km az=73.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=106.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 16 10 54 39.1–1.5 28.54N–.08 17.8W–.10 32–7 27 0-5
MDD X 16 10 54 43.3–.75 28.56N 17.83W 11–3 3.5 **¶621204661**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=78.0.
ISC X 15 20 02 58.7–.95 28.60N–.03 17.83W–.03 30–5 85 0-5
MDD X 15 20 03 01.6–.84 28.56N 17.84W 13–5 4.0 **¶635676300**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.3km s-min=4.6km az=78.0.
ISC X 16 04 41 49.6–.99 28.59N–.03 17.77W–.04 35 123 0-13
MDD X 16 04 41 53.6–1.1 28.56N 17.83W 37–6 4.6 **¶621204545**
INMG X 16 04 41 54.3–1.3 28.61N 17.86W 38–2 3.9L
CNRM X 16 04 42 02.6–2.8 29.29N 17.13W 28–68 3.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.8km s-min=9.2km az=71.0.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=99.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=64.8km s-min=10.8km az=41.0.
ISC X 16 06 06 58.9–.91 28.61N–.03 17.67W–.03 34–1 171 0-12
INMG X 16 06 07 01.7–1.5 28.60N 17.77W 46–3 4.1L **¶621204552**
MDD X 16 06 07 02.7–1.2 28.58N 17.82W 34–6 4.5
CNRM X 16 06 07 03.9–1.1 29.22N 17.34W 9–20 4.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=13.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=15.6km s-min=8.5km az=73.0.
CNRM Error ellipse: s-maj=25.8km s-min=5.2km az=40.0.
ISC X 17 17 38 32.0–.88 28.62N–.03 17.81W–.03 30–3 86 0-5
MDD X 17 17 38 35.1–.81 28.56N 17.83W 12–5 3.6 **¶621205032**
INMG X 17 17 38 36.5–1.4 28.57N 17.85W 8–2 2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=78.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=85.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 17 03 10 42.8–1.0 28.60N–.03 17.78W–.04 35 127 0-13
MDD X 17 03 10 47.1–1.1 28.59N 17.80W 35–6 4.3 **¶621204804**
INMG X 17 03 10 47.5–1.3 28.62N 17.86W 38–2 3.3L
CNRM X 17 03 10 50.7–1.5 29.08N 17.58W 63–75 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.6km s-min=8.2km az=74.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=13.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=17.0km s-min=7.7km az=60.0.
ISC X 17 11 06 09.8–1.2 28.62N–.03 17.70W–.04 35 42 0-5
MDD X 17 11 06 12.2–1.1 28.57N 17.81W 35–6 4.0 **¶621204852**
INMG X 17 11 06 12.7–.94 28.58N 17.86W 37–2 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.0km s-min=8.4km az=75.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=1.9km az=81.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 18 01 40 33.1–1.1 28.61N–.03 17.75W–.04 35 123 0-14
MDD X 18 01 40 35.3–1.1 28.58N 17.81W 38–6 4.1 **¶621205071**
INMG X 18 01 40 35.9–1.3 28.61N 17.85W 39–2 3.2L
CNRM X 18 01 40 43.3–1.9 29.32N 17.05W 8 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.7km s-min=8.6km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=9.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=19.0km s-min=8.9km az=31.0.
ISC X 17 19 38 13.0–1.2 28.60N–.03 17.75W–.03 35 102 0-5
MDD X 17 19 38 15.5–1.1 28.57N 17.83W 36–6 3.6 **¶621205047**
INMG X 17 19 38 15.9–1.1 28.56N 17.88W 37–4 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.3km s-min=8.2km az=73.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=2.5km az=66.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 18 11 33 54.7–1.2 28.72N–.04 17.69W–.05 35 37 0-9
MDD X 18 11 33 56.2–1.1 28.59N 17.81W 37–6 4.3 **¶621206742**
INMG X 18 11 33 56.5–.69 28.60N 17.86W 40–2 3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.2km s-min=8.4km az=73.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=66.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 17 23 57 33.9–1.0 28.57N–.03 17.77W–.03 35 146 0-14
MDD X 17 23 57 36.5–1.1 28.57N 17.82W 36–6 4.6 **¶621205065**
INMG X 17 23 57 37.1–1.6 28.57N 17.86W 37–3 3.7L
CNRM X 17 23 57 46.0–1.0 29.38N 16.91W 10 3.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.1km s-min=8.3km az=73.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=2.3km az=37.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=10.1km s-min=5.8km az=29.0.
ISC X 18 18 11 05.1–1.2 28.58N–.03 17.76W–.03 35 101 0-5
MDD X 18 18 11 07.3–1.1 28.56N 17.84W 37–6 3.6 **¶621208894**
INMG X 18 18 11 08.1–1.0 28.58N 17.84W 36–1 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.9km s-min=8.5km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.3km s-min=1.3km az=26.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 18 09 28 13.9–1.5 28.54N–.08 17.80W–.09 29–7 26 0-5
MDD X 18 09 28 17.5–.76 28.56N 17.83W 10–3 3.5 **¶621206732**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=78.0.
ISC X 18 21 27 48.5–.89 28.61N–.03 17.85W–.03 32–5 98 0-5
MDD X 18 21 27 51.7–.83 28.56N 17.82W 13–5 3.8 **¶621211164**
INMG X 18 21 27 53.1–1.6 28.57N 17.86W 6–3 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=4.5km az=81.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=83.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 19 21 47 56.4–1.0 28.60N–.03 17.82W–.04 35 145 0-14
CNRM X 19 21 47 58.5–1.4 28.78N 17.91W 30 **¶621221466**
MDD X 19 21 48 00.5–1.1 28.59N 17.82W 39–6 4.8
INMG X 19 21 48 01.1–1.3 28.61N 17.85W 39–2 3.9L
ISC Event type ke.
CNRM Error ellipse: s-maj=13.0km s-min=8.0km az=31.0.
MDD Event type ke. Error ellipse: s-maj=17.4km s-min=8.8km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=90.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 19 14 10 14.4–1.0 28.67N–.04 17.66W–.04 35 75 0-14
MDD X 19 14 10 17.4–1.1 28.58N 17.82W 36–6 4.5 **¶621217264**
INMG X 19 14 10 18.0–1.6 28.58N 17.83W 36–3 3.8L
CNRM X 19 14 10 22.5–1.4 29.05N 17.42W 49–94 3.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.2km s-min=8.2km az=73.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=2.4km az=71.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=19.2km s-min=8.2km az=60.0.
ISC X 19 01 29 33.6–1.0 28.63N–.03 17.77W–.04 35 123 0-13
MDD X 19 01 29 37.7–1.1 28.57N 17.86W 38–6 3.9 **¶621211183**
INMG X 19 01 29 38.2–1.5 28.61N 17.85W 39–2 3.3L
CNRM X 19 01 29 44.2–1.5 29.18N 17.40W 87–50 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=23.7km s-min=8.7km az=68.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=19.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=12.9km s-min=8.2km az=55.0.
ISC X 20 20 39 27.8–.94 28.59N–.03 17.85W–.03 29–3 75 0-4
MDD X 20 20 39 30.7–.77 28.56N 17.83W 10–4 3.5 **¶621224735**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.7km az=80.0.
ISC X 20 07 45 36.3–.98 28.51N–.03 17.83W–.04 18–2 30 0-4
MDD X 20 07 45 38.5–.75 28.57N 17.84W 12–3 3.5 **¶621221508**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=77.0.
ISC X 21 21 19 21.9–1.4 28.57N–.08 17.7W–.10 29–8 30 0-5
MDD X 21 21 19 25.6–.77 28.57N 17.83W 10–4 3.8 **¶621235968**
INMG X 21 21 19 26.3–1.1 28.56N 17.81W 9–3 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=81.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=78.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 21 00 45 44.1–.90 28.60N–.03 17.81W–.03 32–5 87 0-5
MDD X 21 00 45 47.1–.86 28.56N 17.84W 14–5 3.7 **¶621229640**
INMG X 21 00 45 48.3–1.6 28.57N 17.90W 7–2 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.6km s-min=4.7km az=78.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=104.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 21 02 14 46.0–1.1 28.61N–.03 17.78W–.04 35 137 0-12
MDD X 21 02 14 49.7–1.1 28.57N 17.84W 37–6 4.3 **¶621229643**
INMG X 21 02 14 50.3–1.0 28.60N 17.85W 38–1 3.4L
CNRM X 21 02 14 53.7–.99 29.08N 17.45W 43–66 3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.8km s-min=8.5km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=19.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=14.6km s-min=5.0km az=55.0.
ISC X 22 06 54 46.5–1.2 28.61N–.03 17.80W–.04 35 101 0-11
INMG X 22 06 54 49.9–1.0 28.60N 17.86W 39–1 3.3L **¶621236070**
MDD X 22 06 54 49.5–1.1 28.59N 17.82W 38–6 4.2
CNRM X 22 06 54 52.7–1.5 29.29N 17.17W 0 4.2
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=23.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=16.9km s-min=8.6km az=73.0.
CNRM Error ellipse: s-maj=14.5km s-min=7.7km az=27.0.
ISC X 21 22 54 00.9–1.1 28.71N–.05 17.63W–.05 35 46 0-11
INMG X 21 22 54 03.2–.80 28.58N 17.86W 36–2 3.5L **¶621235975**
MDD X 21 22 54 03.0–1.1 28.57N 17.83W 33–6 4.4
CNRM X 21 22 54 07.0–.93 29.23N 17.25W 11 4.4
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.0km az=67.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=15.3km s-min=7.8km az=74.0.
CNRM Error ellipse: s-maj=9.3km s-min=4.8km az=30.0.
ISC X 21 15 08 04.5–.89 28.56N–.03 17.79W–.03 18–3 44 0-5
MDD X 21 15 08 06.2–.76 28.56N 17.84W 12–4 3.8 **¶621235431**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=4.0km az=78.0.
ISC X 22 15 13 55.7–.94 28.59N–.03 17.87W–.05 27–5 37 0-4
MDD X 22 15 13 58.4–.79 28.56N 17.85W 12–5 3.7 **¶621236995**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=77.0.
ISC X 22 15 34 34.4–1.2 28.63N–.03 17.70W–.04 35 37 0-5
MDD X 22 15 34 36.3–1.2 28.59N 17.82W 37–6 3.9 **¶621236996**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.5km s-min=8.6km az=75.0.
ISC X 23 04 00 52.6–1.5 28.68N–.06 17.64W–.09 35 29 0-5
INMG X 23 04 00 54.7–.74 28.57N 17.89W 39–2 3.1L **¶621237740**
MDD X 23 04 00 54.4–1.1 28.58N 17.82W 36–6 3.8
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=1.9km az=65.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=16.1km s-min=8.4km az=73.0.
ISC X 22 14 28 44.4–.00 28.61N–.04 17.85W–.06 29–5 34 0-5
MDD X 22 14 28 47.4–.85 28.57N 17.83W 11–4 3.6 **¶621236990**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.3km s-min=4.2km az=80.0.
ISC X 22 11 34 17.1–1.0 28.56N–.03 17.82W–.04 24–5 41 0-4
MDD X 22 11 34 19.3–.78 28.56N 17.81W 12–3 3.7 **¶621236128**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=83.0.
ISC X 22 18 28 30.1–.93 28.60N–.03 17.82W–.05 27–5 37 0-5
MDD X 22 18 28 32.9–.77 28.56N 17.84W 11–4 3.7 **¶621237008**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=79.0.
ISC X 24 02 24 57.5–1.1 28.54N–.04 17.84W–.07 24–6 28 0-5
MDD X 24 02 25 00.0–.76 28.56N 17.83W 12–3 3.5 **¶621238040**
INMG X 24 02 25 00.6–.85 28.55N 17.84W 12–2 3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=4.0km az=81.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=1.7km az=77.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 22 20 28 15.9–2.0 28.72N–.07 17.6W–.10 35 18 0-4
MDD X 22 20 28 18.7–1.3 28.59N 17.81W 36–7 3.7 **¶621237625**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.1km s-min=8.5km az=75.0.
ISC X 23 06 06 57.6–.90 28.59N–.02 17.87W–.03 30–3 92 0-5
MDD X 23 06 07 00.7–.75 28.56N 17.83W 11–3 3.9 **¶621237746**
INMG X 23 06 07 02.2–1.5 28.57N 17.84W 6–2 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=77.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=109.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 23 07 28 24.7–1.1 28.57N–.03 17.81W–.04 35 120 0-11
MDD X 23 07 28 27.6–1.1 28.58N 17.82W 36–6 4.3 **¶621237750**
INMG X 23 07 28 28.0–1.6 28.56N 17.85W 41–3 3.4L
CNRM X 23 07 28 29.9–1.1 29.10N 17.39W 0 3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.1km s-min=8.4km az=73.0.
INMG Event type ke. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=10.8km s-min=6.1km az=28.0.
ISC X 23 02 19 49.7–1.2 28.74N–.04 17.76W–.07 35 35 0-12
MDD X 23 02 19 50.9–1.1 28.58N 17.83W 35–6 3.9 **¶621237732**
INMG X 23 02 19 51.1–.92 28.57N 17.87W 38–2 3.2L
CNRM X 23 02 19 54.0–1.6 29.03N 17.64W 55–79 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.0km s-min=8.1km az=73.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=2.2km az=65.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=21.1km s-min=5.7km az=66.0.
ISC X 23 00 44 10.3–1.4 28.58N–.08 17.80W–.08 31–7 30 0-5

MDD X 23 00 44 13.9–.77 28.56N 17.83W 11–3 3.9 **¶621237661**
INMG X 23 00 44 14.5–1.0 28.54N 17.84W 11–3 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=4.0km az=80.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=2.1km az=83.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 23 15 34 46.5–.96 28.66N–.04 17.66W–.04 35 72 0-13
MDD X 23 15 34 49.5–1.1 28.60N 17.79W 38–6 4.9 **¶621237891**
INMG X 23 15 34 50.1–1.6 28.61N 17.83W 39–3 3.9L
CNRM X 23 15 34 57.2–1.1 29.36N 17.24W 30 3.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.8km s-min=8.8km az=73.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=76.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=10.7km s-min=4.7km az=33.0.
ISC X 24 02 54 49.1–1.1 28.65N–.03 17.68W–.04 35 45 0-10
MDD X 24 02 54 51.0–1.1 28.57N 17.81W 36–6 3.9 **¶621238041**
INMG X 24 02 54 51.6–1.0 28.56N 17.83W 36–2 3.0L
CNRM X 24 02 54 55.7–2.6 29.26N 17.30W 15–53 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.2km s-min=8.5km az=76.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=1.6km az=68.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=72.1km s-min=8.5km az=42.0.
ISC X 24 05 57 43.1–1.2 28.61N–.03 17.76W–.03 35 101 0-5
MDD X 24 05 57 45.6–1.1 28.58N 17.81W 36–6 3.6 **¶621238061**
INMG X 24 05 57 46.2–1.3 28.59N 17.85W 37–2 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.9km s-min=8.3km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=25.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 24 06 10 29.5–.91 28.59N–.03 17.84W–.03 27–3 77 0-4
MDD X 24 06 10 32.2–.56 28.57N 17.83W 10–3 3.5 **¶621238074**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.5km s-min=3.0km az=68.0.
MDD X 24 14 08 28.2–.79 28.57N 17.84W 11–4 3.5
¶621238279
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.8km az=81.0.
ISC X 24 07 56 05.3–.93 28.56N–.02 17.83W–.02 19–0 73 0-5
MDD X 24 07 56 07.3–.76 28.56N 17.83W 11–3 3.6 **¶621238088**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=77.0.
ISC X 24 08 00 09.7–.91 28.59N–.03 17.86W–.03 31–4 82 0-5
MDD X 24 08 00 12.5–.87 28.55N 17.83W 14–5 3.8 **¶621238076**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.6km s-min=5.0km az=78.0.
ISC X 24 05 14 09.4–.85 28.58N–.03 17.87W–.03 26–4 89 0-4
MDD X 24 05 14 12.2–.76 28.57N 17.82W 11–3 3.7 **¶625200901**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=81.0.
ISC X 24 05 26 06.2–.89 28.58N–.03 17.82W–.03 27–5 90 0-5
MDD X 24 05 26 08.5–.81 28.56N 17.84W 13–5 3.6 **¶621238063**
INMG X 24 05 26 10.2–1.4 28.57N 17.86W 4–1 3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=75.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=97.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 24 05 29 35.4–.81 28.56N–.03 17.81W–.02 20–4 74 0-4
MDD X 24 05 29 37.3–.76 28.56N 17.83W 10–3 3.5 **¶621238066**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=79.0.
ISC X 24 04 33 57.8–.99 28.61N–.03 17.86W–.06 29–5 36 0-5
MDD X 24 04 34 01.1–.77 28.56N 17.83W 11–3 3.9 **¶621238056**
INMG X 24 04 34 02.2–1.4 28.57N 17.84W 8–2 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=82.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=1.8km az=78.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 26 00 11 46.1–.92 28.59N–.03 17.81W–.04 30–5 40 0-5
MDD X 26 00 11 49.1–.82 28.56N 17.83W 12–5 3.7 **¶621239254**
INMG X 26 00 11 50.7–1.5 28.57N 17.86W 6–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=79.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.5km az=83.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 24 17 15 14.6–.91 28.61N–.03 17.83W–.04 29–3 41 0-5
MDD X 24 17 15 17.8–.79 28.56N 17.84W 10–4 4.0 **¶621238301**
INMG X 24 17 15 19.1–1.7 28.57N 17.85W 0–2 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=3.8km az=80.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.5km az=77.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 24 18 33 43.5–.89 28.62N–.03 17.70W–.03 18–2 39 0-5
MDD X 24 18 33 46.0–.79 28.55N 17.85W 11–4 3.9 **¶621238311**
INMG X 24 18 33 47.4–1.5 28.56N 17.85W 6–2 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.0km az=76.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=78.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 24 19 44 10.7–.91 28.61N–.03 17.83W–.04 31–3 39 0-5
MDD X 24 19 44 14.0–.82 28.56N 17.85W 11–4 3.9 **¶621238317**
INMG X 24 19 44 15.5–1.8 28.57N 17.85W 4–2 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.4km az=73.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=1.8km az=79.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 24 12 37 40.7–.92 28.57N–.03 17.82W–.04 27–4 41 0-4
MDD X 24 12 37 43.6–.75 28.57N 17.83W 11–3 3.6 **¶621238274**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=78.0.
MDD X 24 21 45 01.8–1.2 28.56N 17.83W 12–7 2.7
¶635676320
MDD Event type ke. Error ellipse: s-maj=10.6km s-min=5.5km az=94.0.
ISC X 26 14 50 55.1–1.2 28.58N–.03 17.77W–.03 35 82 0-5
MDD X 26 14 50 57.8–1.2 28.57N 17.80W 32–7 3.6 **¶621240775**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.5km s-min=7.8km az=77.0.
ISC X 26 05 53 25.4–.90 28.58N–.03 17.88W–.03 28–4 82 0-5
MDD X 26 05 53 28.1–.86 28.55N 17.84W 14–5 3.5 **¶621239340**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=76.0.
ISC X 26 06 05 11.1–1.1 28.61N–.03 17.78W–.04 35 118 0-14
MDD X 26 06 05 14.3–1.1 28.58N 17.81W 36–6 4.3 **¶621239342**
INMG X 26 06 05 14.8–1.7 28.59N 17.85W 38–3 3.6L
CNRM X 26 06 05 19.9–1.1 29.31N 17.14W 10 3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.9km s-min=8.3km az=73.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=83.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=9.5km s-min=5.3km az=32.0.
ISC X 26 02 17 22.3–.95 28.58N–.04 17.81W–.05 28–6 29 0-4
MDD X 26 02 17 25.2–.79 28.56N 17.84W 10–4 3.6 **¶621239260**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.7km az=79.0.
ISC X 27 00 57 52.9–1.0 28.58N–.04 17.83W–.05 27–5 33 0-4
MDD X 27 00 57 56.1–.76 28.56N 17.84W 10–3 3.5 **¶621241113**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=77.0.
ISC X 26 21 13 14.1–.90 28.61N–.03 17.79W–.04 30–3 44 0-5
MDD X 26 21 13 17.0–.85 28.56N 17.83W 13–5 3.9 **¶621241087**
INMG X 26 21 13 18.3–1.6 28.57N 17.86W 8–2 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.7km az=82.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=2.1km az=83.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 26 16 25 35.8–.68 28.54N–.02 17.76W–.03 34–1 4.6b 155 0-83
IDC X 26 16 25 32.0–6.7 28.40N 17.83W 0 4.1L,3.9b **¶621240782**
NEIC X 26 16 25 33.1–1.1 28.50N–.10 17.87W–.05 10–1 4.6b,3.9b
INMG X 26 16 25 37.8–1.4 28.59N 17.83W 34–2 4.2L,3.9b
MDD X 26 16 25 37.1–1.1 28.57N 17.82W 34–6 4.9,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=186.3km s-min=36.2km az=163.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=7.7km az=7.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.5km az=28.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=15.2km s-min=7.9km az=74.0.
ISC X 27 02 16 30.9–.93 28.59N–.03 17.83W–.04 30–4 39 0-4
MDD X 27 02 16 34.0–.80 28.56N 17.83W 13–5 4.0 **¶621241123**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.4km az=77.0.
ISC X 27 02 24 19.0–1.2 28.63N–.03 17.70W–.04 35 41 0-5
INMG X 27 02 24 21.9–1.2 28.61N 17.82W 36–3 3.0L **¶621241126**
MDD X 27 02 24 21.1–1.1 28.58N 17.83W 37–6 3.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=89.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=17.0km s-min=8.5km az=73.0.
ISC X 27 17 43 08.4–.88 28.60N–.03 17.80W–.03 30–2 92 0-5
MDD X 27 17 43 11.6–.82 28.55N 17.84W 12–5 4.0 **¶621242217**
INMG X 27 17 43 13.2–1.4 28.57N 17.85W 5–1 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.5km az=79.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=104.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 27 04 03 47.9–.96 28.58N–.03 17.81W–.04 24–5 38 0-4
MDD X 27 04 03 50.6–.76 28.56N 17.83W 11–3 3.8 **¶621241136**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=78.0.
ISC X 27 04 55 24.4–1.6 28.56N–.09 17.7W–.10 30–9 26 0-4
MDD X 27 04 55 28.7–.75 28.57N 17.83W 11–3 3.6 **¶621241145**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=79.0.
ISC X 27 05 31 14.6–1.5 28.54N–.08 17.8W–.10 29–7 26 0-4
MDD X 27 05 31 18.1–.75 28.56N 17.84W 10–3 3.5 **¶621241216**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=76.0.
ISC X 27 05 45 07.3–1.1 28.58N–.05 17.77W–.07 30–3 32 0-5
MDD X 27 05 45 10.8–.75 28.56N 17.84W 11–3 3.9 **¶621241218**
INMG X 27 05 45 11.9–1.5 28.56N 17.87W 6–3 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=77.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=2.1km az=67.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 27 06 19 46.0–1.1 28.62N–.04 17.67W–.05 35 47 0-14
MDD X 27 06 19 49.3–1.1 28.58N 17.82W 37–6 4.3 **¶635676361**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.4km s-min=8.5km az=73.0.
ISC X 27 06 19 53.6–1.1 28.61N–.04 17.74W–.05 35 58 0-11
CNRM X 27 06 19 52.3–1.8 29.05N 17.75W 0 **¶621241226**
INMG X 27 06 19 56.7–1.7 28.60N 17.82W 38–3 4.1L
MDD X 27 06 19 56.0–1.4 28.59N 17.81W 38–7 4.6
ISC Event type ke.
CNRM Error ellipse: s-maj=16.2km s-min=9.9km az=28.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=2.4km az=74.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=16.9km s-min=9.4km az=73.0.
ISC X 26 23 53 15.7–.95 28.61N–.03 17.73W–.04 35 65 0-15
MDD X 26 23 53 16.8–1.1 28.58N 17.82W 35–6 4.8 **¶621241103**
CNRM X 26 23 53 16.9–5.2 28.87N 17.80W 54 4.8
INMG X 26 23 53 17.3–2.1 28.59N 17.82W 36–5 4.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.5km s-min=8.1km az=74.0.
CNRM Error ellipse: s-maj=57.5km s-min=12.2km az=58.0.
INMG Event type ke. Error ellipse: s-maj=6.3km s-min=3.2km az=71.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 27 20 21 23.2–1.2 28.58N–.03 17.77W–.03 35 95 0-5
MDD X 27 20 21 25.3–1.1 28.58N 17.84W 36–6 3.5 **¶621242479**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.3km s-min=8.3km az=73.0.
ISC X 27 18 00 10.0–.90 28.55N–.03 17.78W–.03 25–5 88 0-5
MDD X 27 18 00 12.2–.85 28.56N 17.83W 14–5 3.8 **¶621242221**
INMG X 27 18 00 13.6–1.2 28.57N 17.85W 9–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=77.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=1.3km az=88.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 27 14 21 08.8–1.1 28.63N–.03 17.75W–.04 35 129 0-11
MDD X 27 14 21 11.8–1.1 28.58N 17.82W 37–6 4.8 **¶621242189**
GFZ X 27 14 21 12.1–1.3 29N–8.0 17W–13 10 3.8,3.6L
INMG X 27 14 21 12.3–1.1 28.61N 17.84W 39–2 3.9L,3.6L
CNRM X 27 14 21 16.9–1.2 29.25N 17.23W 12–24 3.9L,3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.7km s-min=8.5km az=73.0.
GFZ Error ellipse: s-maj=32.1km s-min=7.5km az=57.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=15.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=30.6km s-min=5.2km az=40.0.
ISC X 27 20 23 56.2–.89 28.60N–.03 17.84W–.03 29–4 87 0-5
MDD X 27 20 23 59.2–.77 28.56N 17.83W 11–4 3.6 **¶621242480**
INMG X 27 20 24 00.6–1.4 28.58N 17.87W 6–2 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=79.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=103.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 28 07 22 31.3–1.2 28.54N–.06 17.81W–.08 18–3 24 0-5
MDD X 28 07 22 33.0–.77 28.56N 17.84W 10–4 3.7 **¶621242575**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=3.7km az=79.0.
ISC X 27 14 29 58.8–.90 28.60N–.03 17.87W–.03 31–4 88 0-5
MDD X 27 14 30 01.8–.84 28.56N 17.85W 14–5 3.8 **¶621242191**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=4.7km az=78.0.
ISC X 28 00 25 46.2–.88 28.58N–.03 17.86W–.03 29–4 75 0-5
MDD X 28 00 25 49.2–.81 28.56N 17.82W 12–5 3.5 **¶621242530**
INMG X 28 00 25 50.6–1.6 28.59N 17.93W 0–3 2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=81.0.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=94.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 28 02 51 34.2–.91 28.57N–.03 17.83W–.03 26–5 82 0-4
MDD X 28 02 51 36.4–.82 28.55N 17.83W 13–5 3.5 **¶621242548**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=77.0.
ISC X 27 19 31 23.6–.89 28.60N–.02 17.86W–.03 30–4 84 0-5
MDD X 27 19 31 26.7–.85 28.56N 17.85W 13–5 3.9 **¶621242477**
INMG X 27 19 31 28.2–1.5 28.57N 17.86W 8–2 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=4.5km az=75.0.

INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=104.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 28 09 46 41.8–1.6 28.53N–.08 17.8W–.10 26–8 23 0-4
MDD X 28 09 46 44.7–.83 28.56N 17.84W 13–5 3.6 **¶621242662**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=4.6km az=77.0.
ISC X 28 07 51 06.6–1.6 28.54N–.07 17.80W–.10 25–8 23 0-4
MDD X 28 07 51 09.5–.77 28.57N 17.83W 12–4 3.6 **¶621242581**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=3.9km az=80.0.
ISC X 28 04 03 58.8–.90 28.60N–.03 17.84W–.03 30–4 88 0-5
MDD X 28 04 04 01.5–.81 28.56N 17.83W 13–5 3.6 **¶621242552**
INMG X 28 04 04 03.2–1.6 28.58N 17.83W 6–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=76.0.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=106.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 28 13 27 45.1–.91 28.59N–.03 17.82W–.03 30–3 49 0-5
MDD X 28 13 27 48.2–.76 28.57N 17.84W 12–4 3.7 **¶621242963**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=77.0.
ISC X 28 23 42 55.2–.88 28.61N–.03 17.82W–.03 31–5 96 0-5
MDD X 28 23 42 58.2–.82 28.57N 17.81W 11–4 3.9 **¶621243333**
INMG X 28 23 42 59.3–1.6 28.57N 17.85W 1–2 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=88.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=85.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 28 17 51 09.5–.89 28.59N–.03 17.83W–.03 31–4 79 0-5
MDD X 28 17 51 12.6–.89 28.56N 17.84W 13–5 3.7 **¶621242984**
INMG X 28 17 51 13.6–1.3 28.58N 17.90W 1–4 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=78.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=93.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 28 16 45 59.3–.89 28.60N–.02 17.83W–.03 31–4 74 0-5
MDD X 28 16 46 02.5–.86 28.56N 17.84W 13–5 3.5 **¶621242977**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.3km s-min=4.8km az=76.0.
ISC X 29 00 30 57.8–.90 28.60N–.03 17.85W–.03 30–3 85 0-5
MDD X 29 00 31 00.7–.79 28.56N 17.82W 11–4 3.6 **¶621243348**
INMG X 29 00 31 02.2–1.7 28.58N 17.83W 5–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=82.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=1.4km az=91.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD X 29 09 43 14.8–.77 28.57N 17.84W 11–4 3.5 ¶621243478
MDD Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=78.0.
ISC X 28 20 20 56.8–1.1 28.61N–.03 17.74W–.03 35 104 0-12
MDD X 28 20 21 00.6–1.1 28.58N 17.82W 38–6 4.2 **¶621243309**
INMG X 28 20 21 01.3–1.3 28.60N 17.84W 38–2 3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.0km s-min=8.7km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=11.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 30 06 13 07.5–.92 28.59N–.03 17.88W–.04 28–4 51 0-4
MDD X 30 06 13 10.7–.87 28.56N 17.85W 10–5 3.7 **¶621244342**
INMG X 30 06 13 12.0–1.4 28.57N 17.87W 5–1 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=74.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=1.3km az=82.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC X 29 08 38 16.6–1.0 28.59N–.04 17.83W–.05 25–5 32 0-5
MDD X 29 08 38 19.6–.84 28.57N 17.84W 10–4 3.7 **¶621243389**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=3.4km az=77.0.
ISC X 30 06 24 21.4–.80 28.68N–.04 17.64W–.04 35 3.8b 126 0-73
IDC X 30 06 24 21.9–1.1 28.73N 17.91W 0 4.1L,3.6b **¶621244346**
MDD X 30 06 24 23.6–1.1 28.57N 17.84W 35–6 5.0,3.6b
INMG X 30 06 24 23.4–1.7 28.54N 17.91W 40–3 4.1L,3.6b
CNRM X 30 06 24 34.5–1.3 28.60N 16.45W 11 4.1L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=18.7km az=93.0.
MDD Event type ke. Error ellipse: s-maj=16.0km s-min=8.1km az=73.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=2.0km az=64.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=15.2km s-min=9.8km az=162.0.
ISC X 30 03 36 03.8–1.2 28.62N–.03 17.76W–.04 35 120 0-11
MDD X 30 03 36 06.9–1.1 28.58N 17.83W 37–6 4.1 **¶621244330**
INMG X 30 03 36 07.4–1.0 28.60N 17.85W 39–2 3.3L
CNRM X 30 03 36 15.9–1.5 29.52N 16.98W 9 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.7km s-min=8.5km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=19.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=14.8km s-min=7.2km az=29.0.
MDD X 31 23 48 45.9–1.3 28.61N 17.77W 35–7 3.3 ¶621244907
MDD Event type ke. Error ellipse: s-maj=16.3km s-min=8.4km az=74.0.
ISC X 31 17 52 47.3–1.1 28.61N–.03 17.89W–.05 35 94 0-13
CNRM X 31 17 52 50.2–1.3 28.81N 17.76W 18–28 **¶621244755**
INMG X 31 17 52 51.8–1.4 28.58N 17.85W 41–2 4.0L
MDD X 31 17 52 51.6–1.1 28.58N 17.82W 38–6 5.0
ISC Event type ke.
CNRM Error ellipse: s-maj=34.9km s-min=6.2km az=42.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=1.7km az=76.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=17.1km s-min=8.7km az=73.0.
ISC XI 01 05 57 19.0–.97 28.58N–.03 17.82W–.07 29–4 38 0-4
MDD XI 01 05 57 22.2–.77 28.56N 17.84W 11–4 3.6 **¶621244952**
INMG XI 01 05 57 23.6–1.3 28.57N 17.84W 7–2 2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=4.0km az=78.0.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=1.3km az=90.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 01 01 57 42.2–1.5 28.56N–.08 17.8W–.10 31–7 26 0-4
MDD XI 01 01 57 46.1–.77 28.56N 17.84W 11–4 3.5 **¶621244921**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=3.9km az=78.0.
ISC XI 01 10 17 24.1–1.1 28.57N–.05 17.82W–.07 25–6 30 0-4
MDD XI 01 10 17 26.9–.78 28.56N 17.82W 11–3 3.7 **¶621245024**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=83.0.
ISC XI 01 02 44 13.3–1.3 28.54N–.08 17.75W–.08 34–2 30 0-5
MDD XI 01 02 44 17.8–.77 28.57N 17.84W 11–4 3.6 **¶621244924**
INMG XI 01 02 44 18.7–1.3 28.56N 17.88W 9–2 2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.8km az=79.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=1.8km az=69.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 01 06 41 02.3–1.0 28.57N–.03 17.83W–.05 28–5 33 0-4
MDD XI 01 06 41 05.5–.78 28.57N 17.85W 10–4 3.5 **¶621244956**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=77.0.
ISC XI 01 10 48 56.3–.92 28.60N–.03 17.83W–.05 28–4 41 0-5
INMG XI 01 10 48 58.0–1.4 28.50N 18.05W 0–5 3.0L **¶621245032**
MDD XI 01 10 48 59.2–.77 28.56N 17.84W 11–4 3.9
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=2.7km az=75.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.

MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=79.0.
ISC XI 01 13 03 03.7–.92 28.60N–.03 17.83W–.04 28–5 40 0-5
INMG XI 01 13 03 05.9–1.7 28.52N 18.06W 3–5 3.3L **¶621246734**
MDD XI 01 13 03 06.7–.79 28.56N 17.84W 10–4 4.0
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=3.1km az=67.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.8km az=80.0.
ISC XI 01 04 00 25.1–1.4 28.59N–.08 17.77W–.08 32–7 30 0-5
MDD XI 01 04 00 28.8–.79 28.57N 17.83W 12–5 3.6 **¶621244934**
INMG XI 01 04 00 29.3–.99 28.55N 17.83W 13–3 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=78.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=2.0km az=76.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 02 14 15 50.6–1.2 28.58N–.03 17.73W–.04 35 36 0-5
MDD XI 02 14 15 52.4–1.1 28.57N 17.82W 35–6 3.6 **¶621254051**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.2km s-min=8.2km az=73.0.
ISC XI 01 20 24 08.5–.67 28.53N–.02 17.65W–.02 10 69 0-14
MDD XI 01 20 24 11.1–1.1 28.57N 17.81W 36–6 4.6 **¶621252397**
INMG XI 01 20 24 11.8–1.7 28.59N 17.85W 37–3 3.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.5km s-min=8.5km az=73.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=86.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 02 03 46 47.9–1.5 28.57N–.09 17.83W–.08 29–5 24 0-4
MDD XI 02 03 46 51.3–.77 28.56N 17.84W 11–4 3.5 **¶621252441**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=78.0.
ISC XI 02 04 21 08.9–.92 28.58N–.03 17.85W–.04 29–4 39 0-4
MDD XI 02 04 21 11.6–.89 28.55N 17.83W 14–5 3.6 **¶621252443**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=5.1km az=79.0.
MDD XI 02 02 29 54.7–.77 28.56N 17.83W 11–4 3.5 ¶621252434
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=3.9km az=79.0.
ISC XI 02 17 15 52.1–.94 28.60N–.03 17.86W–.05 31–3 39 0-5
MDD XI 02 17 15 55.3–.85 28.56N 17.85W 12–5 4.1 **¶621254076**
INMG XI 02 17 15 56.7–1.4 28.57N 17.85W 8–2 3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=4.6km az=79.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=86.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 02 11 26 09.2–.91 28.58N–.03 17.87W–.03 24–4 68 0-5
MDD XI 02 11 26 11.3–.82 28.56N 17.83W 12–5 3.5 **¶621252717**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=80.0.
ISC XI 02 17 26 18.5–.91 28.60N–.03 17.81W–.05 30–5 38 0-5
MDD XI 02 17 26 21.2–.82 28.56N 17.84W 12–5 3.7 **¶621254077**
INMG XI 02 17 26 22.7–1.5 28.56N 17.85W 6–3 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=77.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=2.0km az=94.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD XI 03 10 37 59.8–.94 28.56N 17.83W 15–5 3.2 ¶621256510
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=4.8km az=77.0.
ISC XI 03 07 27 35.6–.86 28.60N–.03 17.72W–.03 35 146 0-25
MDD XI 03 07 27 36.6–1.1 28.58N 17.79W 36–6 4.8 **¶621255812**
INMG XI 03 07 27 37.4–1.5 28.58N 17.85W 36–2 4.3L
IDC XI 03 07 27 38.9–6.3 28.62N 17.68W 0 4.0L,3.8b
CNRM XI 03 07 27 42.0–1.0 29.26N 17.24W 15 4.0L,3.8b
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.2km s-min=8.3km az=74.0.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=78.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
IDC Error ellipse: s-maj=108.7km s-min=26.9km az=96.0.
CNRM Error ellipse: s-maj=10.1km s-min=5.2km az=21.0.
MDD XI 03 07 27 39.1–1.1 28.57N 17.83W 35–6 5.0 ¶635745969
MDD Event type ke. Error ellipse: s-maj=16.8km s-min=8.1km az=73.0.
ISC XI 02 16 26 08.9–.94 28.60N–.04 17.82W–.05 30–3 31 0-4
MDD XI 02 16 26 11.8–.80 28.57N 17.83W 12–5 3.6 **¶621254064**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=80.0.
ISC XI 03 04 59 52.4–1.0 28.67N–.03 17.57W–.04 33–3 33 0-5
MDD XI 03 04 59 54.6–1.2 28.57N 17.79W 36–7 4.0 **¶621255807**
INMG XI 03 04 59 55.5–1.3 28.62N 17.82W 36–3 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.5km s-min=8.6km az=74.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.0km az=81.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 03 13 14 13.2–.94 28.59N–.03 17.88W–.03 30–5 74 0-4
MDD XI 03 13 14 16.3–.86 28.55N 17.83W 13–5 3.5 **¶621261447**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=79.0.
ISC XI 03 14 00 37.6–.96 28.63N–.04 17.82W–.05 31–4 34 0-4
MDD XI 03 14 00 41.0–.78 28.57N 17.83W 12–4 3.6 **¶621261453**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=4.0km az=83.0.
ISC XI 04 02 11 21.9–.95 28.57N–.03 17.86W–.05 27–4 34 0-4
MDD XI 04 02 11 24.5–.77 28.56N 17.83W 10–4 3.6 **¶621261738**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=79.0.
ISC XI 04 02 39 18.2–.95 28.61N–.04 17.83W–.07 29–5 34 0-5
MDD XI 04 02 39 21.0–.79 28.57N 17.84W 13–5 3.6 **¶621261741**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=77.0.
ISC XI 04 02 52 03.5–1.6 28.53N–.03 17.83W–.04 18–7 27 0-4
MDD XI 04 02 52 05.0–.79 28.56N 17.84W 11–4 3.6 **¶621261747**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=79.0.
ISC XI 04 23 05 26.9–1.1 28.63N–.04 17.69W–.04 35 59 0-14
MDD XI 04 23 05 29.4–1.1 28.58N 17.78W 35–7 4.5 **¶621309708**
INMG XI 04 23 05 29.7–1.9 28.58N 17.85W 38–4 3.5L
CNRM XI 04 23 05 35.8–2.0 29.43N 17.04W 6–55 3.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.4km s-min=8.6km az=71.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=2.9km az=72.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=75.2km s-min=6.6km az=38.0.
ISC XI 05 02 53 13.8–.99 28.55N–.04 17.81W–.05 24–5 34 0-4
MDD XI 05 02 53 16.1–.83 28.56N 17.83W 12–5 3.8 **¶621361557**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=4.5km az=74.0.
ISC XI 06 01 39 14.6–.92 28.60N–.03 17.81W–.05 30–5 39 0-5
MDD XI 06 01 39 17.7–.76 28.56N 17.83W 11–3 4.0 **¶621370653**
INMG XI 06 01 39 18.7–1.3 28.58N 17.84W 3 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=73.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=83.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD XI 06 16 56 30.1–.82 28.56N 17.83W 12–5 3.3 ¶621370953
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.5km az=73.0.
ISC XI 06 20 40 20.6–1.0 28.63N–.03 17.74W–.04 35 113 0-14
MDD XI 06 20 40 24.6–1.1 28.55N 17.85W 36–6 4.5 **¶621372226**
INMG XI 06 20 40 25.6–1.3 28.59N 17.84W 35–2 3.6L
CNRM XI 06 20 40 33.0–1.2 29.55N 16.90W 8 3.6L
ISC Event type ke.

MDD Event type ke. Error ellipse: s-maj=17.1km s-min=8.7km az=70.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=32.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=11.9km s-min=6.0km az=27.0.
MDD XI 08 17 51 41.1–.95 28.55N 17.84W 14–5 3.7 ¶621384589

MDD Event type ke. Error ellipse: s-maj=8.4km s-min=5.1km az=75.0.
ISC XI 08 11 03 07.5–.97 28.59N–.03 17.81W–.05 27–5 33 0-5
MDD XI 08 11 03 10.4–.78 28.56N 17.84W 11–4 3.6 **¶621372612**
INMG XI 08 11 03 11.8–1.4 28.56N 17.85W 3–3 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.7km s-min=3.9km az=75.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=60.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 07 17 07 07.3–.99 28.58N–.03 17.85W–.04 35 114 0-14
CNRM XI 07 17 07 08.3–1.5 28.74N 17.76W 10 **¶621372475**
MDD XI 07 17 07 10.7–1.1 28.59N 17.81W 37–6 4.6
INMG XI 07 17 07 11.3–1.4 28.61N 17.86W 39–2 4.1L
ISC Event type ke.
CNRM Error ellipse: s-maj=14.5km s-min=7.8km az=27.0.
MDD Event type ke. Error ellipse: s-maj=16.4km s-min=8.5km az=73.0.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=119.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 07 17 07 18.3–1.2 28.73N–.04 17.80W–.06 35 28 0-5
MDD XI 07 17 07 18.9–2.9 28.58N 17.81W 38–15 4.6 **¶635745976**
INMG XI 07 17 07 20.6–1.3 28.61N 17.78W 34–5 4.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=20.5km s-min=15.1km az=54.0.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=2.7km az=67.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 08 18 15 56.3–1.2 28.59N–.04 17.73W–.05 35 32 0-4
MDD XI 08 18 15 58.0–1.1 28.55N 17.88W 36–7 3.6 **¶621384590**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.4km s-min=8.7km az=70.0.
ISC XI 09 06 55 20.5–1.2 28.64N–.04 17.69W–.04 35 36 0-5
MDD XI 09 06 55 22.3–1.1 28.59N 17.84W 38–6 3.8 **¶621385108**
INMG XI 09 06 55 23.3–1.2 28.60N 17.83W 37–3 2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.1km s-min=9.0km az=70.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=79.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 09 01 33 00.2–.89 28.61N–.02 17.84W–.03 31–3 88 0-5
MDD XI 09 01 33 03.5–.84 28.56N 17.83W 13–5 3.7 **¶621385039**
INMG XI 09 01 33 05.1–1.5 28.59N 17.84W 8–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.4km s-min=4.7km az=72.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=110.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 09 19 52 08.5–.99 28.55N–.04 17.85W–.05 24–5 31 0-5
MDD XI 09 19 52 10.9–.83 28.56N 17.84W 13–5 3.6 **¶621385732**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=74.0.
ISC XI 09 23 48 16.6–1.7 29.95N–.06 15.48W–.04 15–12 49 2-3
MDD XI 09 23 48 24.8–.77 29.82N 15.47W 56 3.3b **¶621385750**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=3.5km az=164.0.
MDD XI 10 01 30 11.6–.80 28.56N 17.84W 11–4 3.1 ¶621385755

MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.0km az=77.0.
ISC XI 10 13 18 47.6–1.2 28.59N–.06 17.84W–.08 30–5 28 0-4
MDD XI 10 13 18 50.5–.86 28.55N 17.85W 14–5 3.9 **¶621391498**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=71.0.
ISC XI 10 04 24 26.3–.88 28.59N–.02 17.84W–.03 31–4 99 0-5
MDD XI 10 04 24 29.4–.82 28.56N 17.84W 14–5 3.7 **¶621385765**
INMG XI 10 04 24 30.3–1.9 28.56N 17.84W 15–4 2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=4.7km az=72.0.
INMG Event type ke. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 10 13 23 44.8–.97 28.71N–.03 17.70W–.04 34–2 58 0-10
MDD XI 10 13 23 46.6–1.1 28.58N 17.82W 36–6 4.4 **¶621391502**
CNRM XI 10 13 23 48.0–1.5 29.11N 17.48W 9 4.4
INMG XI 10 13 23 47.2–1.2 28.57N 17.85W 34–4 3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.4km s-min=8.6km az=71.0.
CNRM Error ellipse: s-maj=14.0km s-min=7.6km az=28.0.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=2.4km az=91.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 11 18 06 35.4–1.2 28.61N–.04 17.71W–.05 35 31 0-4
MDD XI 11 18 06 36.7–1.1 28.58N 17.81W 39–6 3.6 **¶621395293**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=18.0km s-min=9.2km az=70.0.
ISC XI 10 10 49 53.6–1.2 28.57N–.03 17.78W–.03 35 62 0-5
MDD XI 10 10 49 55.6–1.3 28.57N 17.81W 34–7 3.8 **¶621385925**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.0km s-min=8.5km az=73.0.
ISC XI 10 11 10 05.6–.89 28.59N–.03 17.70W–.04 35–2 74 0-14
MDD XI 10 11 10 07.6–1.1 28.57N 17.82W 34–6 4.9 **¶621385932**
INMG XI 10 11 10 08.0–1.8 28.58N 17.85W 37–4 4.0L
CNRM XI 10 11 10 08.6–.95 28.96N 17.45W 13 4.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.7km s-min=8.3km az=71.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=2.4km az=68.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=9.9km s-min=5.6km az=22.0.
ISC XI 10 11 47 21.5–.97 28.56N–.03 17.77W–.04 33–2 40 0-5
MDD XI 10 11 47 23.1–1.1 28.57N 17.84W 34–6 3.7 **¶621391496**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.7km s-min=8.1km az=70.0.
ISC XI 11 03 37 58.2–.55 28.64N–.04 17.74W–.04 35 4.1b 100 0-72
IDC XI 11 03 37 53.4–2.4 28.98N 18.51W 0 3.9L,3.9b **¶621392749**
NEIC XI 11 03 37 55.2–1.6 28.59N–.04 17.93W–.08 35–2 4.3b,3.9b
INMG XI 11 03 37 58.8–2.2 28.57N 18.00W 38–5 4.3L,3.9b
MDD XI 11 03 37 58.9–1.1 28.57N 17.82W 36–6 5.0,3.9b
CNRM XI 11 03 38 04.2–.81 29.20N 17.32W 12 5.0,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=43.5km s-min=25.1km az=120.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=6.5km az=247.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=11.8km s-min=5.5km az=78.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=16.5km s-min=8.7km az=72.0.
CNRM Error ellipse: s-maj=8.0km s-min=5.2km az=23.0.
ISC XI 13 06 56 01.8–.63 28.63N–.03 17.71W–.04 33–4 3.7b 186 0-153
NEIC XI 13 06 55 57.4–1.9 28.66N–.06 17.86W–.07 10–2 4.2b **¶621402637**
IDC XI 13 06 55 57.4–.89 28.49N 17.84W 0 4.0L,3.7b
MDD XI 13 06 56 02.5–1.1 28.58N 17.82W 38–6 5.0,3.7b
INMG XI 13 06 56 03.2–1.5 28.61N 17.84W 39–2 4.3L,3.7b
CNRM XI 13 06 56 10.5–.96 29.45N 17.03W 8 4.3L,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=4.9km az=313.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.7km s-min=16.4km az=69.0.
MDD Event type ke. Error ellipse: s-maj=16.9km s-min=8.7km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=12.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=8.4km s-min=5.3km az=27.0.
ISC XI 12 08 28 52.2–1.2 28.61N–.03 17.76W–.03 35 104 0-5
INMG XI 12 08 28 54.9–1.2 28.62N 17.85W 40–2 3.3L **¶621399254**
MDD XI 12 08 28 54.5–1.1 28.58N 17.82W 38–6 4.3
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=126.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=17.1km s-min=8.9km az=70.0.
MDD XI 12 22 10 57.8–1.2 28.59N 17.85W 34–7 3.0 ¶635745948

MDD Event type ke. Error ellipse: s-maj=23.1km s-min=12.9km az=68.0.
MDD XI 12 22 11 00.6–1.3 28.57N 17.81W 33–7 3.3 ¶621402606

MDD Event type ke. Error ellipse: s-maj=15.4km s-min=8.8km az=74.0.
ISC XI 14 05 23 36.5–.76 28.48N–.02 17.65W–.02 10 65 0-5
MDD XI 14 05 23 37.1–.50 28.56N 17.80W 39–4 3.8 **¶635745950**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=141.0.
ISC XI 14 05 23 59.9–.99 28.73N–.04 17.61W–.03 34–1 70 0-14
MDD XI 14 05 24 02.0–1.1 28.59N 17.81W 37–6 4.7 **¶621402887**
INMG XI 14 05 24 02.9–1.8 28.62N 17.83W 36–4 3.6L
CNRM XI 14 05 24 07.9–1.1 28.43N 16.97W 8 3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.4km s-min=8.5km az=73.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=77.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=25.4km s-min=8.7km az=161.0.
ISC XI 14 10 20 27.0–1.1 28.59N–.03 17.81W–.04 35 124 0-13
CNRM XI 14 10 20 28.3–1.6 28.95N 17.77W 12 **¶621403051**
MDD XI 14 10 20 29.3–1.1 28.56N 17.84W 37–6 4.5
INMG XI 14 10 20 30.3–1.4 28.59N 17.85W 34–5 3.7L
ISC Event type ke.
CNRM Error ellipse: s-maj=14.9km s-min=8.3km az=28.0.
MDD Event type ke. Error ellipse: s-maj=16.9km s-min=8.6km az=72.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.7km az=84.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 16 01 01 41.7–1.2 28.64N–.03 17.68W–.04 35 42 0-5
MDD XI 16 01 01 43.8–1.1 28.58N 17.82W 38–6 3.8 **¶624814939**
INMG XI 16 01 01 44.3–.90 28.59N 17.84W 39–2 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.9km s-min=8.6km az=73.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=71.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 15 03 53 43.4–.93 28.64N–.04 17.68W–.05 35 68 0-32
MDD XI 15 03 53 44.5–1.1 28.58N 17.82W 38–6 4.4 **¶621403213**
INMG XI 15 03 53 45.0–1.6 28.59N 17.85W 39–3 3.4L
CNRM XI 15 03 53 50.3–.97 29.24N 17.20W 9 3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.9km s-min=8.6km az=73.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=2.6km az=70.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=8.4km s-min=5.1km az=36.0.
ISC XI 15 04 56 50.4–1.2 28.60N–.04 17.69W–.05 35 33 0-4
MDD XI 15 04 56 52.6–1.2 28.60N 17.81W 38–6 3.6 **¶621403221**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.2km s-min=9.6km az=69.0.
ISC XI 16 20 44 40.5–1.2 28.56N–.03 17.76W–.03 35 86 0-4
MDD XI 16 20 44 42.5–1.1 28.60N 17.81W 39–6 3.7 **¶621412421**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.0km s-min=8.7km az=72.0.
ISC XI 16 13 27 37.0–1.3 28.63N–.06 17.70W–.05 35 26 0-4
MDD XI 16 13 27 38.3–1.1 28.58N 17.81W 36–6 4.2 **¶621412334**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.0km s-min=8.4km az=73.0.
ISC XI 17 04 10 33.1–.92 28.55N–.03 17.79W–.03 26–5 90 0-4
MDD XI 17 04 10 35.2–.91 28.55N 17.84W 15–5 3.8 **¶621413511**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=76.0.
ISC XI 17 07 17 40.9–1.1 28.62N–.03 17.71W–.05 35 70 0-14
INMG XI 17 07 17 43.6–2.0 28.55N 17.86W 36–4 3.8L **¶621413540**
MDD XI 17 07 17 43.0–1.1 28.57N 17.83W 35–6 4.7
CNRM XI 17 07 17 49.6–1.1 29.34N 17.14W 16–17 4.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=2.9km az=71.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=16.0km s-min=8.3km az=74.0.
CNRM Error ellipse: s-maj=20.5km s-min=5.5km az=43.0.
MDD XI 17 03 10 18.1–1.1 28.57N 17.85W 36–6 3.6 ¶621413504

MDD Event type ke. Error ellipse: s-maj=16.7km s-min=8.4km az=73.0.
ISC XI 17 21 19 46.5–1.1 28.61N–.03 17.78W–.04 35 131 0-12
MDD XI 17 21 19 49.3–1.1 28.59N 17.82W 39–6 4.6 **¶621414519**
INMG XI 17 21 19 50.0–1.1 28.58N 17.86W 39–2 3.9L
CNRM XI 17 21 19 53.1–1.5 29.09N 17.48W 30–36 3.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.9km s-min=8.9km az=74.0.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=15.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=30.8km s-min=6.8km az=44.0.
ISC XI 17 12 33 34.2–1.1 28.74N–.04 17.66W–.05 35 47 0-14
MDD XI 17 12 33 35.8–1.1 28.59N 17.81W 36–6 4.7 **¶635745960**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.2km s-min=8.6km az=74.0.
ISC XI 17 12 33 53.3–1.1 28.72N–.05 17.70W–.09 35 31 0-32
CNRM XI 17 12 33 43.7–1.8 29.47N 17.04W 8 **¶621414042**
INMG XI 17 12 33 54.3–2.0 28.59N 17.84W 39–6 4.3L
MDD XI 17 12 33 54.2–1.1 28.60N 17.83W 35–6 4.8
ISC Event type ke.
CNRM Error ellipse: s-maj=22.0km s-min=10.2km az=14.0.
INMG Event type ke. Error ellipse: s-maj=9.3km s-min=4.8km az=64.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=15.9km s-min=8.1km az=73.0.
ISC XI 17 23 48 33.4–1.1 28.61N–.03 17.79W–.04 35 130 0-12
MDD XI 17 23 48 36.0–1.1 28.58N 17.82W 41–6 4.3 **¶621414537**
INMG XI 17 23 48 36.9–1.1 28.60N 17.85W 40–2 3.6L
CNRM XI 17 23 48 36.8–1.3 29.12N 17.64W 15–26 3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.8km s-min=9.2km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=14.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=31.4km s-min=6.1km az=43.0.
ISC XI 17 21 04 04.9–.90 28.58N–.03 17.83W–.03 29–3 96 0-5
MDD XI 17 21 04 07.8–.80 28.56N 17.84W 12–5 3.9 **¶621414515**
INMG XI 17 21 04 09.4–1.4 28.57N 17.85W 4–2 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=77.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=60.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD XI 17 18 17 26.8–.85 28.56N 17.83W 13–5 3.3 ¶635753161

MDD Event type ke. Error ellipse: s-maj=7.3km s-min=4.7km az=81.0.
MDD XI 18 08 16 39.3–1.1 28.60N 17.82W 40–6 3.7 ¶621414655

MDD Event type ke. Error ellipse: s-maj=17.9km s-min=9.1km az=72.0.
ISC XI 18 01 51 12.1–1.1 28.57N–.03 17.80W–.04 35 131 0-12
MDD XI 18 01 51 14.5–1.1 28.55N 17.84W 34–6 4.4 **¶621414617**
INMG XI 18 01 51 15.4–1.0 28.56N 17.87W 34–1 3.8L
CNRM XI 18 01 51 17.9–1.2 28.98N 17.64W 50–81 3.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.5km s-min=8.0km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=24.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=17.1km s-min=7.3km az=66.0.
ISC XI 18 08 35 28.9–1.6 28.63N–.07 17.62W–.09 35 24 0-5

INMG XI 18 08 35 31.9–1.0 28.55N 17.81W 34–3 3.0L ¶621414659
MDD XI 18 08 35 31.6–1.2 28.57N 17.78W 31–7 3.9
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=3.0km az=81.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=15.7km s-min=7.7km az=75.0.
ISC XI 18 19 35 17.6–1.4 28.59N–.08 17.80W–.08 31–7 28 0-5
MDD XI 18 19 35 21.0–.83 28.56N 17.84W 13–5 3.6 ¶621416128
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=4.6km az=78.0.
ISC XI 19 01 08 45.4–1.0 28.85N–.04 17.50W–.02 14–7 3.9b 237 0-153
NEIC XI 19 01 08 43.7–2.4 28.6N–.10 17.82W–.08 35–2 4.2b ¶621416145
IDC XI 19 01 08 43.3–.81 28.62N 17.95W 0 4.2L,3.8b
MDD XI 19 01 08 47.4–1.1 28.57N 17.82W 36–6 5.1,3.8b
INMG XI 19 01 08 48.2–1.6 28.61N 17.84W 36–2 4.6L,3.8b
CNRM XI 19 01 08 55.2–.88 29.47N 17.06W 10 4.6L,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=5.5km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.9km s-min=16.6km az=148.0.
MDD Event type ke. Error ellipse: s-maj=16.0km s-min=8.3km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=6.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=7.6km s-min=5.2km az=27.0.
ISC XI 19 01 39 48.7–1.2 28.59N–.03 17.79W–.03 35 109 0-10
MDD XI 19 01 39 51.4–1.1 28.55N 17.85W 34–6 4.0 ¶621416150
INMG XI 19 01 39 52.1–1.1 28.59N 17.86W 35–2 3.3L
CNRM XI 19 01 40 00.5–1.6 29.51N 16.84W 11 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.2km s-min=8.1km az=73.0.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=28.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=16.2km s-min=5.9km az=34.0.
ISC XI 19 06 50 56.7–1.5 28.68N–.06 17.64W–.10 35 26 0-4
MDD XI 19 06 50 58.1–1.1 28.58N 17.83W 40–6 3.6 ¶621416414
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.5km s-min=9.0km az=73.0.
MDD XI 19 12 02 11.4–.87 28.57N 17.84W 9–5 3.7 ¶635745988
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=3.5km az=77.0.
ISC XI 19 12 02 24.5–1.4 28.64N–.08 17.8W–.10 33–6 18 0-4
MDD XI 19 12 02 25.4–1.4 28.62N 17.79W 32–8 4.3 ¶621423221
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.3km s-min=8.1km az=74.0.
ISC XI 19 23 59 22.2–.68 28.45N–.02 17.70W–.02 10 83 0-5
MDD XI 19 23 59 24.7–1.1 28.54N 17.85W 34–6 3.5 ¶621423321
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.4km s-min=8.2km az=73.0.
ISC XI 19 19 33 00.3–1.5 29.10N–.05 17.45W–.02 10–10 88 0-4
MDD XI 19 19 33 05.9–.50 28.95N 17.44W 0 3.1 ¶621423309
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=1.7km az=173.0.
ISC XI 20 06 42 46.6–1.1 28.54N–.03 17.81W–.04 10 30 0-5
MDD XI 20 06 42 48.1–.77 28.56N 17.84W 10–4 4.0 ¶621425218
INMG XI 20 06 42 49.5–1.5 28.58N 17.86W 6–2 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=78.0.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=89.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD XI 20 22 28 07.5–1.1 28.56N 17.83W 35–6 3.4
INMG XI 20 22 28 07.8–.95 28.56N 17.87W 37–2 2.7L ¶621427823
MDD Event type ke. Error ellipse: s-maj=16.1km s-min=8.2km az=74.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=2.3km az=66.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 20 03 06 57.9–1.1 28.61N–.03 17.80W–.04 35 123 0-12
MDD XI 20 03 07 00.8–1.1 28.56N 17.83W 37–6 4.6 ¶621423333
INMG XI 20 03 07 01.7–1.4 28.59N 17.85W 37–2 3.8L
CNRM XI 20 03 07 15.5–1.8 29.86N 16.47W 12 3.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.5km s-min=8.5km az=74.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=20.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=19.6km s-min=8.3km az=28.0.
ISC XI 20 08 26 40.4–1.5 28.64N–.06 17.68W–.10 35 21 0-5
MDD XI 20 08 26 42.2–1.3 28.56N 17.81W 33–7 3.6 ¶621425228
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.7km s-min=8.2km az=75.0.
ISC XI 20 10 19 34.2–1.1 28.60N–.03 17.78W–.05 35 88 0-14
MDD XI 20 10 19 36.9–1.1 28.59N 17.82W 36–6 4.6 ¶621427724
INMG XI 20 10 19 37.3–1.4 28.60N 17.84W 39–2 3.6L
CNRM XI 20 10 19 39.3–1.1 29.11N 17.45W 9 3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.0km s-min=8.3km az=73.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=89.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=10.3km s-min=5.8km az=27.0.
ISC XI 22 13 56 48.1–1.2 28.60N–.03 17.71W–.04 35 42 0-5
MDD XI 22 13 56 50.2–1.1 28.56N 17.82W 36–6 3.9 ¶621440146
INMG XI 22 13 56 51.1–.97 28.58N 17.84W 35–2 3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.1km s-min=8.4km az=74.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=94.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 20 19 20 05.0–1.0 28.65N–.04 17.66W–.05 35 47 0-13
MDD XI 20 19 20 06.9–1.1 28.56N 17.83W 35–6 4.3 ¶621427737
INMG XI 20 19 20 07.6–1.0 28.58N 17.85W 35–2 3.6L
CNRM XI 20 19 20 15.4–1.3 29.38N 17.11W 18–23 3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.6km s-min=8.3km az=75.0.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=96.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=29.3km s-min=6.1km az=39.0.
ISC XI 21 15 20 14.2–1.2 28.71N–.05 17.74W–.05 35 57 0-12
MDD XI 21 15 20 15.8–1.1 28.55N 17.84W 36–6 4.3 ¶621427896
CNRM XI 21 15 20 15.2–1.8 28.79N 17.70W 21–50 4.3
INMG XI 21 15 20 16.1–.74 28.56N 17.88W 38–2 3.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.2km s-min=8.3km az=73.0.
CNRM Error ellipse: s-maj=50.8km s-min=8.6km az=40.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=1.8km az=67.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 21 15 54 37.2–1.5 28.68N–.06 17.65W–.09 35 28 0-5
MDD XI 21 15 54 38.7–1.1 28.59N 17.81W 38–6 4.1 ¶621427897
INMG XI 21 15 54 39.3–.96 28.57N 17.86W 40–2 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.7km s-min=8.7km az=73.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=2.5km az=64.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 21 02 42 15.9–1.5 28.67N–.06 17.67W–.09 35 27 0-5
MDD XI 21 02 42 17.2–1.2 28.57N 17.83W 38–6 3.5 ¶621427844
INMG XI 21 02 42 17.9–.95 28.56N 17.87W 37–2 2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.4km s-min=8.9km az=73.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=62.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 22 03 13 29.2–1.0 28.69N–.05 17.72W–.05 35 51 0-12
MDD XI 22 03 13 30.9–1.1 28.57N 17.82W 34–6 4.3 ¶621428035
INMG XI 22 03 13 31.1–.68 28.56N 17.87W 38–2 3.4L
CNRM XI 22 03 13 33.0–1.0 28.93N 17.70W 109–54 3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.5km s-min=8.1km az=74.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=1.8km az=64.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=14.0km s-min=8.1km az=150.0.
ISC XI 22 18 27 30.8–1.0 28.64N–.03 17.66W–.04 35 54 0-13
MDD XI 22 18 27 32.6–1.1 28.57N 17.84W 38–6 4.3 ¶621440159
INMG XI 22 18 27 33.8–.94 28.58N 17.85W 32–3 3.5L
CNRM XI 22 18 27 35.2–1.3 29.11N 17.27W 4–24 3.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.0km s-min=8.7km az=73.0.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=95.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=30.0km s-min=6.0km az=40.0.
ISC XI 22 05 09 51.8–1.5 28.65N–.07 17.64W–.09 35 29 0-5
MDD XI 22 05 09 54.0–1.1 28.56N 17.80W 33–6 3.6 ¶621428040
INMG XI 22 05 09 54.3–.86 28.55N 17.87W 36–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.2km s-min=8.0km az=74.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.3km az=64.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 22 10 53 14.9–1.2 28.57N–.03 17.76W–.03 35 90 0-5
MDD XI 22 10 53 16.9–1.1 28.56N 17.81W 36–6 3.6 ¶621428174
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.5km s-min=8.4km az=74.0.
ISC XI 22 07 36 13.1–1.2 28.59N–.03 17.76W–.03 35 100 0-5
MDD XI 22 07 36 15.2–1.1 28.57N 17.82W 36–6 3.8 ¶621428048
INMG XI 22 07 36 16.0–.99 28.59N 17.85W 37–2 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.2km s-min=8.4km az=74.0.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=2.0km az=109.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 22 08 09 03.7–.81 28.58N–.03 17.74W–.04 35 3.9b 149 0-72
IDC XI 22 08 09 03.8–1.3 29.09N 18.19W 0 4.7s,4.1L ¶621428049
INMG XI 22 08 09 04.9–1.6 28.62N 17.86W 38–2 4.2L,4.1L
MDD XI 22 08 09 04.2–1.1 28.56N 17.82W 36–6 4.8,4.1L
CNRM XI 22 08 09 10.8–1.2 29.08N 17.35W 50–65 4.8,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=21.5km az=155.0.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=104.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=16.6km s-min=8.5km az=74.0.
CNRM Error ellipse: s-maj=15.6km s-min=7.1km az=52.0.
ISC XI 23 04 42 15.8–1.7 28.64N–.07 17.6W–.10 35 21 0-5
MDD XI 23 04 42 18.3–1.2 28.57N 17.80W 33–7 3.5 ¶621448766
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.0km s-min=8.1km az=76.0.
ISC XI 23 05 24 45.2–1.5 28.66N–.06 17.67W–.09 35 24 0-5
MDD XI 23 05 24 46.9–1.2 28.57N 17.82W 34–7 3.5 ¶621448770
INMG XI 23 05 24 47.4–.90 28.55N 17.87W 36–2 3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.9km s-min=8.3km az=75.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=2.4km az=61.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 25 22 03 27.4–.91 28.59N–.03 17.86W–.04 29–3 49 0-4
MDD XI 25 22 03 30.1–.79 28.56N 17.84W 12–5 3.5 ¶621468840
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=78.0.
ISC XI 22 23 09 15.4–1.1 28.67N–.04 17.61W–.04 35 47 0-10
MDD XI 22 23 09 17.6–1.1 28.56N 17.83W 37–6 3.8 ¶621448744
INMG XI 22 23 09 18.0–1.3 28.54N 17.87W 39–3 3.1L
CNRM XI 22 23 09 19.9–1.9 29.13N 17.28W 10 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.5km s-min=8.8km az=71.0.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=2.1km az=56.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=17.5km s-min=8.7km az=30.0.
ISC XI 23 00 48 06.8–.82 28.76N–.04 17.60W–.04 35 87 0-14
MDD XI 23 00 48 09.8–1.1 28.57N 17.82W 34–6 4.4 ¶621448753
INMG XI 23 00 48 10.0–1.6 28.57N 17.84W 38–4 4.0L
CNRM XI 23 00 48 14.2–1.2 29.26N 17.27W 11 4.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.3km s-min=8.0km az=74.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=2.7km az=60.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=11.4km s-min=7.1km az=25.0.
ISC XI 23 01 03 26.9–.78 28.78N–.04 17.62W–.03 33–2 4.3b 131 0-72
IDC XI 23 01 03 23.3–1.5 28.34N 17.89W 0 4.1b,3.9 ¶624814961
NEIC XI 23 01 03 24.3–1.4 28.70N–.07 17.69W–.03 10–1 4.6b,3.9
MDD XI 23 01 03 27.8–1.1 28.59N 17.84W 39–6 4.8,3.9
INMG XI 23 01 03 28.6–1.8 28.60N 17.84W 39–4 4.0L,3.9
CNRM XI 23 01 03 33.1–1.1 29.26N 17.20W 3–19 4.0L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=28.7km az=51.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.2km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MDD Event type ke. Error ellipse: s-maj=17.0km s-min=8.8km az=73.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=2.3km az=70.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=22.0km s-min=6.1km az=45.0.
ISC XI 23 01 03 46.6–1.2 28.69N–.03 17.68W–.05 35 35 0-5
MDD XI 23 01 03 48.5–1.2 28.61N 17.82W 38–7 4.7 ¶621448756
INMG XI 23 01 03 49.1–1.4 28.65N 17.83W 39–4 4.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.3km s-min=9.0km az=76.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=77.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 23 19 50 25.6–1.2 28.61N–.03 17.72W–.04 35 41 0-5
MDD XI 23 19 50 27.8–1.1 28.58N 17.82W 35–6 3.7 ¶621449591
INMG XI 23 19 50 28.3–.83 28.58N 17.85W 36–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.9km s-min=9.1km az=70.0.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=67.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 25 17 12 06.1–1.5 29.38N–.04 14.64W–.03 31–15 66 1-4
MDD XI 25 17 12 09.4–.34 29.33N 14.60W 35–22 3.3 ¶621468776
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=2.4km az=158.0.
ISC XI 23 02 09 14.9–1.4 28.65N–.06 17.69W–.09 35 28 0-5
MDD XI 23 02 09 16.6–1.1 28.56N 17.86W 34–6 3.5 ¶621448760
INMG XI 23 02 09 17.0–.85 28.55N 17.90W 36–2 2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.7km s-min=7.9km az=73.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=65.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 23 02 14 10.4–1.2 28.66N–.04 17.68W–.05 35 32 0-5
MDD XI 23 02 14 12.3–1.2 28.58N 17.82W 36–6 3.7 ¶621448761
INMG XI 23 02 14 13.1–1.1 28.62N 17.84W 36–3 3.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.2km s-min=8.5km az=75.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.0km az=79.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 24 04 44 37.6–1.2 28.65N–.04 17.66W–.04 35 33 0-5
MDD XI 24 04 44 39.6–1.2 28.57N 17.82W 35–6 3.8 ¶621452745
INMG XI 24 04 44 39.8–1.2 28.53N 17.86W 37–3 3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.2km s-min=9.3km az=69.0.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=1.9km az=58.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 24 05 33 29.3–1.0 28.61N–.04 17.69W–.04 34–2 31 0-4
MDD XI 24 05 33 30.8–1.1 28.58N 17.84W 36–6 3.5 ¶621452747

ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.4km s-min=9.3km az=69.0.
ISC XI 25 07 53 05.8–.90 28.59N–.03 17.84W–.03 27–4 59 0-5
MDD XI 25 07 53 08.7–.78 28.56N 17.83W 11–4 3.9 **¶625203231**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=4.0km az=84.0.
ISC XI 25 10 31 25.6–.96 28.56N–.02 17.81W–.03 33–2 84 0-5
MDD XI 25 10 31 27.4–1.1 28.56N 17.84W 34–6 3.7 **¶621465231**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.4km s-min=7.9km az=74.0.
ISC XI 25 18 57 14.5–.89 28.60N–.03 17.84W–.03 32–4 89 0-5
MDD XI 25 18 57 17.5–.93 28.55N 17.84W 14–5 3.9 **¶621468827**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=5.0km az=79.0.
ISC XI 25 22 40 15.1–1.0 28.59N–.03 17.83W–.06 35 95 0-14
CNRM XI 25 22 40 17.3–1.5 28.79N 17.69W 10 **¶621468841**
MDD XI 25 22 40 18.0–1.1 28.57N 17.82W 37–6 4.8
ISC Event type ke.
CNRM Error ellipse: s-maj=15.3km s-min=8.6km az=34.0.
MDD Event type ke. Error ellipse: s-maj=16.7km s-min=8.9km az=75.0.
ISC XI 27 13 53 25.8–1.2 28.57N–.03 17.77W–.03 35 86 0-5
MDD XI 27 13 53 27.8–1.1 28.59N 17.82W 36–6 3.7 **¶621480386**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.8km s-min=8.2km az=73.0.
MDD XI 27 03 56 25.0–1.0 28.58N 17.82W 36–9 3.1
¶635753163
MDD Error ellipse: s-maj=10.9km s-min=5.6km az=147.0.
ISC XI 29 08 35 25.0–.93 28.53N–.03 17.74W–.04 35 85 0-14
MDD XI 29 08 35 27.1–1.1 28.56N 17.82W 35–6 5.0 **¶621481057**
INMG XI 29 08 35 27.9–1.4 28.57N 17.85W 34–3 4.1L
CNRM XI 29 08 35 34.3–1.3 29.37N 17.34W 30–17 4.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=15.9km s-min=8.4km az=75.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=88.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=16.8km s-min=3.6km az=27.0.
ISC XI 28 19 05 45.1–2.1 28.6N–.10 17.45W–.08 10 25 0-14
MDD XI 28 19 05 49.4–1.1 28.58N 17.81W 33–6 4.3 **¶621480962**
INMG XI 28 19 05 49.7–1.5 28.57N 17.88W 36–4 3.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=14.8km s-min=7.9km az=76.0.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=3.4km az=65.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 29 13 14 51.3–.95 28.64N–.04 17.84W–.06 28–3 30 0-5
MDD XI 29 13 14 54.0–.81 28.56N 17.83W 12–5 3.7 **¶621494335**
INMG XI 29 13 14 54.7–.86 28.55N 17.85W 12–2 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=4.5km az=80.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=1.6km az=84.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 29 14 42 30.8–1.5 28.56N–.08 17.8W–.10 29–7 24 0-4
MDD XI 29 14 42 34.1–.77 28.57N 17.82W 11–4 3.7 **¶621494346**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=82.0.
ISC XI 29 16 23 55.1–2.0 28.65N–.09 17.46W–.09 14–12 24 0-4
MDD XI 29 16 24 00.7–.76 28.56N 17.84W 12–3 3.5 **¶621494352**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=4.0km az=79.0.
MDD XI 30 01 34 39.1–1.1 28.57N 17.82W 36–6 3.5
¶621499080
MDD Event type ke. Error ellipse: s-maj=16.4km s-min=8.7km az=75.0.
ISC XI 29 18 35 33.3–1.6 28.54N–.08 17.8W–.10 29–7 22 0-4
MDD XI 29 18 35 36.7–.77 28.56N 17.83W 11–3 3.6 **¶621494368**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=81.0.
ISC XI 30 06 08 10.9–.94 28.61N–.03 17.86W–.05 28–5 37 0-4
MDD XI 30 06 08 13.2–.85 28.56N 17.83W 13–5 3.6 **¶621499112**
INMG XI 30 06 08 14.6–1.5 28.56N 17.90W 7–3 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=4.6km az=78.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=2.2km az=75.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 30 04 03 40.6–.89 28.58N–.03 17.81W–.03 30–5 70 0-4
MDD XI 30 04 03 43.5–.82 28.56N 17.83W 13–5 3.6 **¶621499097**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=4.6km az=81.0.
ISC XI 30 00 37 31.9–.87 28.61N–.02 17.79W–.03 30–3 80 0-4
MDD XI 30 00 37 35.1–.80 28.56N 17.83W 12–5 3.8 **¶621499074**
INMG XI 30 00 37 36.7–1.4 28.59N 17.88W 6–2 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=79.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.7km az=125.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 30 10 41 34.5–.90 28.53N–.03 17.86W–.04 18–2 35 0-4
MDD XI 30 10 41 36.4–.76 28.56N 17.85W 11–4 3.6 **¶621499199**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.8km az=79.0.
ISC XI 30 07 02 30.7–.95 28.60N–.03 17.88W–.04 30–5 54 0-4
MDD XI 30 07 02 33.1–.99 28.55N 17.83W 14–5 3.7 **¶621499119**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=5.1km az=82.0.
ISC XI 30 06 42 47.2–1.0 28.66N–.04 17.66W–.04 35 58 0-13
MDD XI 30 06 42 49.4–1.1 28.58N 17.86W 38–6 4.1 **¶621499116**
INMG XI 30 06 42 50.0–1.7 28.59N 17.87W 39–3 3.3L
CNRM XI 30 06 42 56.4–2.1 29.40N 17.08W 2–35 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.2km s-min=9.0km az=74.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=2.6km az=79.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=42.7km s-min=7.7km az=42.0.
ISC XI 30 10 54 25.3–.93 28.62N–.03 17.85W–.04 29–5 43 0-5
MDD XI 30 10 54 27.9–.84 28.56N 17.84W 13–5 4.2 **¶621499195**
INMG XI 30 10 54 29.2–1.4 28.57N 17.85W 9–2 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.3km s-min=4.6km az=78.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=1.7km az=86.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 30 13 04 27.4–.96 28.70N–.03 17.66W–.04 34–1 72 0-14
MDD XI 30 13 04 29.4–1.1 28.57N 17.83W 37–6 4.8 **¶621532519**
INMG XI 30 13 04 30.0–1.7 28.62N 17.85W 38–3 3.7L
CNRM XI 30 13 04 34.6–.91 29.28N 17.28W 12 3.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.4km s-min=8.5km az=73.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=2.3km az=84.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
CNRM Error ellipse: s-maj=7.8km s-min=4.9km az=33.0.
ISC XI 30 18 13 22.9–1.5 28.55N–.08 17.8W–.10 29–7 23 0-4
MDD XI 30 18 13 26.0–.86 28.55N 17.84W 12–5 3.5 **¶621532561**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=4.8km az=85.0.
ISC XI 30 19 13 35.0–1.5 28.55N–.08 17.9W–.10 26–6 21 0-4
MDD XI 30 19 13 38.1–.77 28.57N 17.86W 10–4 3.5 **¶621532880**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=3.6km az=74.0.
ISC XI 30 16 04 44.6–1.0 28.60N–.06 17.81W–.06 30–4 30 0-5
INMG XI 30 16 04 48.9–1.1 28.56N 17.85W 9–2 3.0L **¶621532544**
MDD XI 30 16 04 48.0–.76 28.57N 17.84W 11–4 3.9
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=1.6km az=76.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=80.0.
ISC XI 30 20 03 31.5–1.6 28.54N–.08 17.78W–.10 31–7 24 0-4
MDD XI 30 20 03 35.5–.77 28.56N 17.84W 10–4 3.9 **¶621532888**
INMG XI 30 20 03 36.3–1.0 28.58N 17.84W 3 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=80.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=84.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD XI 30 14 40 46.6–.95 28.54N 17.85W 14–5 2.9
¶625203774
MDD Event type ke. Error ellipse: s-maj=8.4km s-min=5.4km az=78.0.
ISC XII 01 06 25 26.7–.93 28.62N–.03 17.85W–.05 28–5 42 0-5
MDD XII 01 06 25 29.2–.79 28.57N 17.83W 12–4 3.8 **¶621564964**
INMG XII 01 06 25 30.7–1.3 28.57N 17.84W 7–2 2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=74.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=1.7km az=91.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XI 30 20 41 20.9–1.3 28.53N–.06 17.80W–.09 18–3 21 0-4
MDD XI 30 20 41 22.8–.77 28.56N 17.85W 10–4 3.5 **¶621564877**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.7km az=78.0.
ISC XI 30 20 46 07.1–1.5 28.57N–.09 17.83W–.09 28–6 22 0-4
MDD XI 30 20 46 10.3–.76 28.56N 17.84W 10–4 3.6 **¶621564878**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=79.0.
MDD XI 30 21 10 14.6–1.4 28.59N 17.82W 38–8 3.3
INMG XI 30 21 10 15.4–.88 28.58N 17.87W 39–3 2.7L **¶621564885**
MDD Event type ke. Error ellipse: s-maj=18.5km s-min=11.6km az=64.0.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=2.2km az=59.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XII 01 06 40 50.7–.98 28.54N–.02 17.83W–.03 18–1 37 0-4
MDD XII 01 06 40 52.5–.76 28.56N 17.83W 12–3 3.5 **¶625203937**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=4.0km az=80.0.
ISC XII 01 00 24 35.4–1.3 28.54N–.08 17.77W–.10 33–4 31 0-5
MDD XII 01 00 24 39.6–.75 28.56N 17.84W 11–3 4.0 **¶621564924**
INMG XII 01 00 24 40.5–1.2 28.58N 17.85W 3–2 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=77.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=90.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XII 01 04 24 27.0–1.7 28.54N–.07 17.81W–.09 24–8 24 0-4
MDD XII 01 04 24 29.3–.81 28.56N 17.83W 13–5 3.5 **¶621564954**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.5km az=75.0.
ISC XII 01 07 02 12.3–1.5 28.56N–.08 17.8W–.10 31–7 26 0-4
MDD XII 01 07 02 16.0–.80 28.56N 17.85W 13–5 3.6 **¶621564966**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.4km az=74.0.
ISC XII 01 10 49 45.7–1.3 28.56N–.04 17.84W–.06 27–6 25 0-4
MDD XII 01 10 49 48.7–.81 28.55N 17.84W 12–5 3.8 **¶621590409**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=79.0.
ISC XII 01 11 08 27.6–.92 28.61N–.03 17.85W–.04 25–4 51 0-5
MDD XII 01 11 08 30.0–.75 28.56N 17.83W 11–3 3.6 **¶621568637**
INMG XII 01 11 08 31.4–1.3 28.57N 17.85W 6–2 3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=77.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.5km az=81.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XII 01 11 36 12.7–.92 28.61N–.03 17.86W–.04 26–5 42 0-5
MDD XII 01 11 36 15.4–.75 28.57N 17.84W 11–3 3.8 **¶621568640**
INMG XII 01 11 36 16.0–1.2 28.56N 17.83W 11–3 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=77.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.1km az=65.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XII 01 15 14 59.3–1.0 28.61N–.04 17.84W–.06 28–5 29 0-5
MDD XII 01 15 15 02.2–.76 28.57N 17.84W 11–4 3.8 **¶621590428**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=3.7km az=79.0.
ISC XII 02 05 14 10.5–1.5 28.55N–.08 17.8W–.10 31–8 30 0-5
MDD XII 02 05 14 14.3–.79 28.56N 17.84W 11–4 4.2 **¶621606965**
INMG XII 02 05 14 15.4–1.4 28.56N 17.83W 8–3 3.2L
ISC Event type ke.
MDD Error ellipse: s-maj=6.3km s-min=4.0km az=80.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=2.3km az=74.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XII 01 17 43 21.3–1.6 28.54N–.08 17.8W–.10 25–8 22 0-4
MDD XII 01 17 43 24.6–.85 28.57N 17.84W 10–4 3.7 **¶621590447**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.8km s-min=3.5km az=81.0.
ISC XII 01 09 43 11.6–.94 28.60N–.03 17.86W–.05 25–5 38 0-4
MDD XII 01 09 43 14.0–.78 28.56N 17.84W 10–4 3.5 **¶621568626**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=3.7km az=78.0.
ISC XII 01 10 05 26.1–.94 28.57N–.03 17.79W–.05 26–5 36 0-4
MDD XII 01 10 05 28.9–.79 28.57N 17.83W 11–4 3.5 **¶625203990**
ISC Event type se.
MDD Event type se. Error ellipse: s-maj=6.6km s-min=4.0km az=86.0.
ISC XII 01 10 07 12.5–.93 28.58N–.03 17.81W–.05 28–5 36 0-4
MDD XII 01 10 07 15.4–.76 28.56N 17.84W 11–3 3.6 **¶625203991**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=80.0.
ISC XII 02 21 11 41.4–.93 28.61N–.03 17.90W–.04 30–3 43 0-5
MDD XII 02 21 11 44.6–.79 28.57N 17.83W 11–4 4.2 **¶621611283**
INMG XII 02 21 11 45.6–1.3 28.57N 17.82W 8–2 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=81.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.0km az=84.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XII 01 19 43 21.9–.97 28.61N–.04 17.86W–.06 30–3 35 0-5
MDD XII 01 19 43 25.2–.76 28.57N 17.85W 10–4 3.9 **¶621591125**
INMG XII 01 19 43 26.1–1.1 28.56N 17.84W 8–2 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=78.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=1.8km az=77.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XII 07 13 29 43.6–1.2 28.58N–.05 17.79W–.08 31–6 28 0-5
MDD XII 07 13 29 46.9–.85 28.56N 17.85W 14–5 4.0 **¶621618738**
INMG XII 07 13 29 47.5–1.0 28.53N 17.86W 14–3 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=75.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=2.2km az=84.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
ISC XII 05 23 56 58.9–.91 28.61N–.03 17.83W–.05 31–5 45 0-5
MDD XII 05 23 57 01.6–.90 28.56N 17.84W 14–5 3.9 **¶621613033**
INMG XII 05 23 57 02.7–1.4 28.56N 17.86W 12–3 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=77.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=2.6km az=78.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.
MDD XII 07 10 35 46.8–1.2 28.59N 17.84W 41–7 3.5
¶621616419
MDD Event type ke. Error ellipse: s-maj=18.5km s-min=9.9km az=73.0.
ISC XII 08 12 09 05.5–1.7 28.68N–.06 17.7W–.10 35 24 0-4
MDD XII 08 12 09 07.2–1.1 28.58N 17.84W 37–6 3.7 **¶621622038**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.4km s-min=8.5km az=73.0.
MDD XII 10 22 03 54.2–.83 28.17N 16.73W 5–8 1.5
¶625204455

MDD Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=39.0.
MDD XII 08 13 17 40.5–1.0 28.55N 17.83W 15–6 2.4
¶625204383

MDD Event type ke. Error ellipse: s-maj=9.4km s-min=5.5km az=77.0.
MDD XII 10 22 04 14.6–1.0 28.57N 17.82W 14–5 2.6
¶625204458

MDD Event type ke. Error ellipse: s-maj=7.9km s-min=5.2km az=82.0.
ISC XII 16 22 29 04.6–1.2 28.60N–.03 17.77W–.03 35 88 0-5
MDD XII 16 22 29 06.6–1.1 28.57N 17.82W 36–6 3.5 **¶621631481**
INMG XII 16 22 29 07.7–1.1 28.60N 17.84W 35–2 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=16.3km s-min=8.4km az=74.0.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=28.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canary Islands, Spain Region.

(395) Morocco.

ISC VII 01 04 16 51.3–1.1 33.43N–.03 6.04W–.02 31–13 76 1-7
CNRM VII 01 04 16 51.7 33.28N 6.06W 24 1.8L **¶620669132**
MDD VII 01 04 16 51.1–.73 33.38N 6.10W 6 3.9b,3.2
SFS VII 01 04 16 52.1 33.31N 6.10W 34 3.3,3.3L
INMG VII 01 04 16 53.0–.96 33.39N 6.08W 33 1.7L,3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=175.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.9km az=45.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Rabat (MARR).
ISC VII 11 06 54 03.6–1.2 33.50N–.03 6.15W–.04 61–12 49 0-6
CNRM VII 11 06 54 04.5 33.36N 6.20W 32 **¶620787429**
MDD VII 11 06 54 04.0–1.1 33.50N 6.12W 28–9 3.7b,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=127.0.
ISC VII 17 04 26 18.5–1.0 31.16N–.04 8.24W–.03 17–8 99 0-11
CNRM VII 17 04 26 19.7 31.06N 8.13W 12 3.6L **¶620929040**
INMG VII 17 04 26 19.1–2.3 31.22N 8.19W 7–16 3.0L
IGIL VII 17 04 26 21.5 31.22N 8.14W 16 2.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=11.7km s-min=8.4km az=166.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Morocco.
ISC VII 18 21 10 05.2–1.1 34.67N–.03 5.42W–.03 30–9 3.9b 219 0-64
IDC VII 18 21 10 00.4–2.5 34.63N 5.60W 0 3.6b,3.6 **¶620833401**
MDD VII 18 21 10 03.7–.27 34.64N 5.40W 1 3.2,3.6
SFS VII 18 21 10 03.7 34.63N 5.50W 0 3.8L,3.7L
CNRM VII 18 21 10 05.6 34.59N 5.49W 42 3.8L,3.7L
INMG VII 18 21 10 05.9–1.4 34.64N 5.38W 24–7 3.1L,3.7L
IGIL VII 18 21 10 06.5 34.65N 5.32W 29 3.2L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=63.7km s-min=14.0km az=83.0.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=122.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=89.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NW Fez (Marr).
ISC VII 20 18 20 49.0–1.2 34.26N–.02 5.31W–.02 25–13 166 1-9
MDD VII 20 18 20 48.4–.29 34.28N 5.32W 0 2.9 **¶620837801**
SFS VII 20 18 20 48.9 34.31N 5.38W 0 3.5L,3.4L
INMG VII 20 18 20 48.4–1.4 34.31N 5.32W 0–7 2.6L,3.4L
IGIL VII 20 18 20 49.2 34.21N 5.58W 0 2.6L,3.4L
CNRM VII 20 18 20 49.1 34.21N 5.33W 23 3.2L,3.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=126.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=5.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NW Fez (Marr).
CNRM VIII 09 11 09 43.9 34.88N 3.61W 32
¶625043106
ISC VII 27 23 05 40.0–1.2 34.91N–.03 5.73W–.03 18–6 54 0-5
CNRM VII 27 23 05 39.8 34.83N 5.74W 12 2.5L **¶625041905**
INMG VII 27 23 05 42.4–1.0 34.94N 5.65W 22–6 2.1L
MDD VII 27 23 05 42.5–1.4 34.95N 5.70W 18–10 2.3
IGIL VII 27 23 05 42.8 34.95N 5.70W 18 1.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=1.8km az=77.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Tetuan (MARR).
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=4.6km az=64.0.
ISC VIII 18 16 48 55.3–1.1 34.04N–.03 5.87W–.02 12–9 205 1-83
IDC VIII 18 16 48 53.4–3.1 34.10N 6.03W 0 3.7L,3.6b **¶620996198**
CNRM VIII 18 16 48 55.2 33.95N 5.88W 12 3.8L,3.6b
MDD VIII 18 16 48 55.9–.30 34.05N 5.88W 0 4.0b,3.3
SFS VIII 18 16 48 56.0 34.06N 5.89W 0 4.0L,3.9L
IGIL VIII 18 16 48 56.3 34.05N 5.88W 1 3.1L,3.9L
INMG VIII 18 16 48 56.7–1.5 34.02N 5.87W 15–6 3.1L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=85.7km s-min=19.7km az=92.0.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=140.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=69.0. #DIST_RANGE: REGIONAL #IPMA_REGION: W Fez (Marr).
ISC X 29 06 11 17.8–1.0 33.22N–.02 5.24W–.03 9–9 102 0-7
CNRM X 29 06 11 18.7–.43 33.12N 5.22W 4–3 **¶621243376**
MDD X 29 06 11 19.1–.60 33.18N 5.23W 2–3 4.0b,3.3
IGIL X 29 06 11 19.5 33.19N 4.89W 22 2.0L,3.3
SFS X 29 06 11 20.2 33.30N 4.96W 9 3.9L,3.8
INMG X 29 06 11 20.8–1.1 33.23N 5.25W 18–4 2.2L,3.8
ISC Event type ke.
CNRM Error ellipse: s-maj=2.9km s-min=2.1km az=102.0.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=124.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=7.2km s-min=3.1km az=103.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Fez (Marr).
ISC VIII 26 18 08 40.5–.76 34.82N–.04 5.21W–.03 35 250 1-60
IDC VIII 26 18 08 39.0–1.5 34.84N 4.76W 0 3.5b,3.4s **¶621008170**
MDD VIII 26 18 08 42.0–.39 34.85N 5.21W 20–3 3.6,3.4s
IGIL VIII 26 18 08 41.7 34.85N 5.21W 14 3.9L,3.4s
SFS VIII 26 18 08 41.6 34.82N 5.22W 20 4.3b,4.3L
INMG VIII 26 18 08 42.5–2.1 34.84N 5.20W 33–8 3.7L,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=55.1km s-min=10.3km az=93.0.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=163.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=114.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SE Tetuan (MARR).
CNRM X 20 10 29 21.0–.18 34.90N 4.26W 21–1
¶626575606
CNRM Error ellipse: s-maj=1.5km s-min=1.2km az=27.0.
ISC IX 16 12 09 18.7–3.7 34.36N–.03 4.88W–.03 39–8 41 0-5
CNRM IX 16 12 09 17.9 34.33N 4.93W 54 2.7L **¶621883398**
INMG IX 16 12 09 18.7–1.3 34.36N 5.19W 5 2.1L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=8.1km s-min=2.5km az=85.0. #DIST_RANGE: REGIONAL #IPMA_REGION: NW Fez (Marr).
ISC X 11 19 02 44.4–1.0 33.92N–.04 4.06W–.04 10 70 1-7
CNRM X 11 19 02 43.2–.72 33.87N 3.97W 9–5 **¶621145647**
MDD X 11 19 02 45.1–1.1 33.90N 4.03W 1 3.8b,3.1
SFS X 11 19 02 45.2 33.97N 4.08W 0 3.6L,3.6
INMG X 11 19 02 47.9–.95 34.04N 4.26W 7 2.0L,3.6
ISC Event type ke.
CNRM Error ellipse: s-maj=6.1km s-min=2.7km az=115.0.
MDD Event type ke. Error ellipse: s-maj=10.1km s-min=4.7km az=128.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=2.4km az=111.0. #DIST_RANGE: REGIONAL #IPMA_REGION: E Fez (Marr).
ISC XII 01 19 37 54.6–1.4 32.49N–.03 5.77W–.03 8–11 31 1-7
CNRM XII 01 19 37 55.2–.37 32.39N 5.79W 2–3 **¶624814991**
INMG XII 01 19 37 58.0–1.2 32.54N 5.71W 15–10
ISC Event type ke.
CNRM Error ellipse: s-maj=3.1km s-min=2.0km az=124.0.
INMG Event type ke. Error ellipse: s-maj=7.6km s-min=2.8km az=105.0. #DIST_RANGE: REGIONAL #IPMA_REGION: SW Fez (Marr).

CNRM XII 30 14 39 53.7–1.4 31.19N 5.79W 53–39
¶626577604
CNRM Error ellipse: s-maj=9.6km s-min=8.0km az=109.0.
ISC XI 28 15 28 36.1–1.1 33.12N–.03 6.97W–.03 23–11 46 0-7
CNRM XI 28 15 28 34.7–.46 32.92N 6.98W 0 **¶621480815**
MDD XI 28 15 28 37.7–.49 33.24N 6.88W 0 4.0b,3.3
INMG XI 28 15 28 38.2–1.0 33.31N 6.90W 3 2.2L,3.3
ISC Event type ke.
CNRM Error ellipse: s-maj=4.7km s-min=3.5km az=120.0.
MDD Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=113.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=65.0. #DIST_RANGE: REGIONAL #IPMA_REGION: S Rabat (MARR).

(396) Northern Algeria.

ISC VII 08 06 50 16.1–1.0 36.48N–.05 4.31E–.04 10 17 0-5
CRAAG VII 08 06 50 16.9 36.46N 4.27E 3.4L **¶620773173**
MDD VII 08 06 50 30.4–1.4 37.26N 3.82E 0–45 4.2b,3.6
ISC Event type ke.
CRAAG Algrie 05km SW Akbil.
MDD Event type ke. Error ellipse: s-maj=60.4km s-min=8.9km az=143.0.
ISC VII 10 01 04 42.6–.92 36.96N–.06 5.35E–.05 18 22 1-8
MDD VII 10 01 04 41.1–.70 36.84N 5.51E 0 3.9b,3.2 **¶620787255**
CRAAG VII 10 01 04 42.6 36.79N 5.31E 2.8L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=3.7km az=140.0.
CRAAG Algrie 19km NE Cap Carbon.
ISC VII 12 12 40 18.0–1.2 35.64N–.06 0.50E–.06 29 22 0-5
CRAAG VII 12 12 40 17.5 35.69N 0.55E 3.2L **¶620802613**
MDD VII 12 12 40 18.2–1.1 35.70N 0.52E 11–24 3.8b,3.1
ISC Event type ke.
CRAAG Algrie 05km S Relizane.
MDD Event type ke. Error ellipse: s-maj=29.0km s-min=7.5km az=149.0.
ISC VII 16 21 38 35.9–1.3 35.70N–.05 0.52E–.05 10–12 27 0-5
CRAAG VII 16 21 38 36.3 35.64N 0.50E 2.8L **¶620833025**
MDD VII 16 21 38 37.0–.99 35.80N 0.54E 0 3.7b,3.0
ISC Event type ke.
CRAAG Algrie 08km NW El-Aouisset.
MDD Event type ke. Error ellipse: s-maj=7.9km s-min=6.5km az=151.0.
ISC VII 19 19 21 28.7–.35 36.73N–.04 5.56E–.03 10 4.5b,3.5s 553 1-134
NAO VII 19 19 21 23.4 36.09N 5.35E 10 4.5b,3.5s **¶620834051**
IDC VII 19 19 21 27.1–.70 36.82N 5.58E 0 4.2b,4.1
NEIC VII 19 19 21 28.1–1.7 36.70N–.06 5.62E–.07 10–1 4.6b,4.1
MOS VII 19 19 21 28.1–1.4 36.92N 5.46E 9 4.6b,4.1
CRAAG VII 19 19 21 28.1 36.74N 5.69E 4.6L,4.1
GFZ VII 19 19 21 30.8–.32 37N–3.0 5E–2.0 10 4.4b,4.1
MED_R VII 19 19 21 30.0 36.77N 5.52E 10 4.3W,4.1
MDD VII 19 19 21 30.4–.38 36.74N 5.70E 15–5 4.8b,4.3
IGIL VII 19 19 21 30.0 36.77N 5.44E 10 4.8b,4.3
CNRM VII 19 19 21 31.3 36.70N 5.55E 31 4.8b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=11.0km az=178.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.3km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.4km s-min=2.7km az=81.6.
CRAAG Algrie 08km SE El-Aouana.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-0.75±.18 $M_{\theta\theta}$-0.18±.19; $M_{\phi\phi}$0.00±.13; $M_{r\theta}$-0.12±.44; $M_{\theta\phi}$-2.75±.12; $M_{\phi r}$-1.60±.38; NP1: ϕ_s97.00000°,δ58.00000°,λ-171.00000°. NP2:ϕ_s2.00000°,δ82.00000°,λ-32.00000°. Principal axes: T 3.5100,Plg16.0000°,Azm54.0000°; N -0.4800,Plg57.0000°,Azm170.0000° ; P -3.0300,Plg28.0000°,Azm315.0000° $M_0$3.27000×10^{15}
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=1.9km az=146.0.
ISC VIII 06 06 07 14.7–1.4 36.16N–.03 3.97E–.03 6–10 32 0-6
CRAAG VIII 06 06 06 13.1 36.18N 3.92E 3.2L **¶620970719**
CNRM VIII 06 06 07 13.2 36.04N 4.07E 0 3.2L
MDD VIII 06 06 07 15.6–1.3 36.04N 3.98E 0 4.0b,3.4
ISC Event type ke.
CRAAG Algrie 10km SE El-Hachimia.
MDD Event type ke. Error ellipse: s-maj=12.1km s-min=6.7km az=144.0.
ISC VII 31 02 01 45.1–1.1 36.28N–.03 1.73E–.03 13–7 4.2b,3.5s 467 0-147
IDC VII 31 02 01 44.0–.62 36.32N 1.77E 0 4.2L,4.0b **¶620923885**
CRAAG VII 31 02 01 43.9 36.28N 1.76E 4.6L,4.0b
MDD VII 31 02 01 44.4–.33 36.21N 1.80E 5–3 4.8b,4.3
GFZ VII 31 02 01 45.2–.34 36N–4.0 2E–2.0 10 4.2,4.2b
MED_R VII 31 02 01 45.0 36.31N 1.66E 10 4.2W,4.2b
NEIC VII 31 02 01 45.3–2.6 36.31N–.04 1.67E–.06 10–1 4.4b,4.2b
IGIL VII 31 02 01 45.7 36.21N 1.80E 5 4.4b,4.2b
INMG VII 31 02 01 46.2–2.6 36.27N 1.69E 15–12 3.7L,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=9.7km az=166.0.
CRAAG Algrie 02km SW Ain-Bouyahia.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=1.3km az=149.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}0.12±.16 $M_{\theta\theta}$-1.16±.18; $M_{\phi\phi}$0.00±.14; $M_{r\theta}$-1.90±.47; $M_{\theta\phi}$-1.92±.09; $M_{\phi r}$0.32±.39; NP1: ϕ_s14.00000°,δ49.00000°,λ1.00000°. NP2:ϕ_s284.00000°,δ89.00000°,λ139.00000°. Principal axes: T 2.8200,Plg28.0000°,Azm231.0000°; N 0.2200,Plg49.0000°,Azm103.0000° ; P -3.0400,Plg27.0000°,Azm337.0000° $M_0$2.93000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.7km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=10.7km s-min=4.1km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: N Arglia (ALG).
ISC VII 31 08 28 51.3–1.2 36.27N–.05 1.75E–.04 18–5 39 0-6
MDD VII 31 08 28 50.1–.85 36.23N 1.80E 0 3.9b,3.2 **¶620925362**
CRAAG VII 31 08 28 51.1 36.28N 1.76E 3.1L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=4.3km az=153.0.
CRAAG Algrie 01km SW Ain-Bouyahia.
ISC IX 09 18 18 05.0–1.3 36.43N–.04 1.06E–.04 29–13 213 0-59
CRAAG IX 09 18 18 04.4 36.48N 1.10E 4.2L **¶621049369**
MDD IX 09 18 18 04.3–.43 36.38N 1.17E 8–6 4.5b,3.9
INMG IX 09 18 18 06.6–1.5 36.43N 1.07E 30–16 3.1L,3.9
CNRM IX 09 18 18 06.6 36.57N 0.95E 35 3.6L,3.9
IDC IX 09 18 18 07.0–1.2 36.89N 1.24E 0 3.6b,3.6
IGIL IX 09 18 18 08.5 36.42N 0.82E 5 3.6b,3.6
ISC Event type ke.
CRAAG Algrie 02km SE Sidi-Abderrahman.
MDD Event type ke. Error ellipse: s-maj=8.0km s-min=1.8km az=145.0.
INMG Event type ke. Error ellipse: s-maj=13.3km s-min=4.6km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: N Argelia (ALG).
IDC Error ellipse: s-maj=24.3km s-min=13.0km az=11.0.
ISC VIII 27 17 15 44.4–1.2 36.59N–.04 1.49E–.04 12–9 34 0-5
CRAAG VIII 27 17 15 44.1 36.46N 1.50E 2.8L **¶625197200**
MDD VIII 27 17 15 47.7–.87 36.61N 1.43E 17–14 3.6b,2.8
ISC Event type ke.
CRAAG Algrie 06km SE Oued-Goussine.
MDD Event type ke. Error ellipse: s-maj=17.2km s-min=3.6km az=148.0.
ISC VIII 14 04 29 01.6–.92 36.52N–.04 3.20E–.03 18 31 0-5
MDD VIII 14 04 28 59.0–1.2 36.35N 3.29E 0 3.8b,3.1 **¶620986514**
CRAAG VIII 14 04 28 59.8 36.50N 3.19E 2.8L,3.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.2km s-min=6.1km az=142.0.
CRAAG Algrie 02km SW Souhane.
ISC IX 03 20 59 11.8–1.1 36.93N–.04 2.08E–.05 10 29 0-6
CRAAG IX 03 20 59 13.0 36.96N 2.05E 3.0L **¶621030503**
MDD IX 03 20 59 16.0–.92 36.93N 2.04E 26–20 3.6b,2.9
ISC Event type ke.

CRAAG Algrie 41km NW Cherchell.
MDD Event type ke. Error ellipse: s-maj=21.4km s-min=4.3km az=139.0.
ISC IX 18 03 49 30.4–1.3 35.37N–.05 0.80W–.04 32–16 40 1-5
CNRM IX 18 03 49 26.4 35.57N 0.90W 0 2.7L **¶621082845**
CRAAG IX 18 03 49 28.1 35.31N 0.76W 2.9L
MDD IX 18 03 49 30.1–.93 35.29N 0.77W 26–26 3.7b,3.0
ISC Event type ke.
CRAAG Algrie 08km NW Ain-Trid.
MDD Event type ke. Error ellipse: s-maj=25.4km s-min=5.6km az=160.0.
ISC X 19 05 43 57.2–6.5 35.5N–.10 0.26W–.07 33–24 52 2-6
MDD X 19 05 43 55.7–.89 35.45N 0.28W 2–19 4.0b,3.3 **¶621211190**
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=23.5km s-min=5.4km az=156.0.
ISC X 10 05 15 01.4–1.3 36.36N–.05 2.35E–.04 17–10 3.8b 173 0-58
CRAAG X 10 05 15 00.3 36.31N 2.37E 3.9L **¶621144135**
IDC X 10 05 15 01.0–1.0 36.58N 2.42E 0 3.7b,3.7
MDD X 10 05 15 02.8–.38 36.30N 2.36E 18–4 4.4b,3.8
CNRM X 10 05 15 03.1–.83 36.45N 2.26E 37–96 4.4b,3.8
ISC Event type ke.
CRAAG Algrie 02km NW Hoceinia.
IDC Error ellipse: s-maj=21.6km s-min=11.3km az=175.0.
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=1.7km az=147.0.
CNRM Error ellipse: s-maj=8.1km s-min=3.7km az=179.0.
ISC X 09 02 36 39.6–.84 36.95N–.05 5.42E–.04 18 52 1-8
MDD X 09 02 36 38.5–.46 36.86N 5.51E 0 4.1b,3.5 **¶621143685**
CRAAG X 09 02 36 39.5 36.86N 5.29E 2.9L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=141.0.
CRAAG Algrie 19km NE Cap Carbon.
ISC X 03 18 42 33.3–1.2 36.06N–.09 4.96E–.05 10 31 0-7
MDD X 03 18 42 31.4–1.0 35.73N 5.08E 17 4.6b,4.1 **¶621117131**
CRAAG X 03 18 42 38.3 36.11N 5.39E 2.6L,4.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.8km s-min=8.0km az=90.0.
CRAAG Algrie Mezloug.
ISC X 08 01 53 48.6–1.6 35.74N–.05 0.53E–.05 2–15 22 0-5
MDD X 08 01 53 47.4–.96 35.53N 0.55E 0 3.4b,2.6 **¶625199685**
CRAAG X 08 01 53 49.2 35.77N 0.52E 2.5L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.8km s-min=5.3km az=5.0.
CRAAG Algrie 04km NW Relizane.
ISC X 19 18 51 10.5–1.3 36.75N–.04 0.81E–.04 35 30 0-5
MDD X 19 18 51 09.6–.55 36.60N 0.89E 46–30 2.7 **¶625200542**
CRAAG X 19 18 51 10.7 36.67N 0.79E 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=176.0.
CRAAG Algrie 32km NW El-Marsa.
ISC XI 28 08 52 35.2–.61 36.52N–.05 5.41E–.03 19 3.7b,3.2s 71 0-87
MDD XI 28 08 52 32.7–.46 36.37N 5.56E 0 4.7b,4.2 **¶621480599**
IDC XI 28 08 52 33.7–.99 36.59N 5.33E 0 3.7L,3.6b
CRAAG XI 28 08 52 33.3 36.45N 5.45E 4.1L,3.6b
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=138.0.
IDC Error ellipse: s-maj=28.3km s-min=12.0km az=14.0.
CRAAG Algrie 05km SE Oued-El-Barad.
ISC XI 17 00 29 06.0–.91 36.97N–.06 5.39E–.04 18 29 1-6
CRAAG XI 17 00 29 05.2 36.96N 5.30E 3.5L **¶621413502**
MDD XI 17 00 29 06.9–.71 36.96N 5.37E 0 4.3b,3.6
ISC Event type ke.
CRAAG Algrie 27km NE Cap Carbon.
MDD Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=135.0.
ISC X 29 20 17 46.2–1.2 36.43N–.07 3.81E–.06 16 14 0-6
CRAAG X 29 20 17 44.8 36.45N 3.75E 2.6L **¶621244195**
MDD X 29 20 17 47.3–1.0 36.46N 3.84E 0 4.4b,3.8
ISC Event type ke.
CRAAG Algrie 03km SW Djebahia.
MDD Event type ke. Error ellipse: s-maj=8.9km s-min=7.5km az=123.0.
ISC XI 24 20 56 16.2–1.1 36.46N–.05 2.87E–.04 11–8 77 0-58
CRAAG XI 24 20 56 15.5 36.44N 2.89E 3.6L **¶621460292**
IDC XI 24 20 56 15.9–2.4 36.30N 2.75E 0 3.3b,3.3
MDD XI 24 20 56 18.0–.56 36.36N 2.97E 21–7 4.2b,3.6
ISC Event type ke.
CRAAG Algrie 02km NE Chra.
IDC Error ellipse: s-maj=51.7km s-min=14.3km az=19.0.
MDD Event type ke. Error ellipse: s-maj=7.1km s-min=2.5km az=150.0.
ISC X 25 00 52 00.5–3.1 35.59N–.03 1.16W–.03 12–22 122 1-6
MDD X 25 00 52 02.6–.56 35.46N 1.08W 27–9 2.7 **¶625201047**
CNRM X 25 00 52 03.4–1.1 35.57N 1.29W 32–9 2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.7km s-min=2.5km az=149.0.
CNRM Error ellipse: s-maj=5.0km s-min=2.8km az=101.0.
ISC XI 26 13 03 23.5–1.4 36.15N–.05 1.71E–.04 13–10 32 0-6
MDD XI 26 13 03 22.2–.94 36.05N 1.76E 0 4.2b,3.6 **¶621475704**
CRAAG XI 26 13 03 24.0 36.21N 1.67E 2.8L,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.4km s-min=4.7km az=149.0.
CRAAG Algrie 02km SW El-Attaf.
ISC XII 16 19 00 46.1–1.3 36.02N–.04 4.24E–.03 7–9 3.6b 55 0-83
CNRM XII 16 19 00 35.8–1.6 37.40N 3.67E 13–9 3.6b **¶621631466**
CRAAG XII 16 19 00 44.9 35.95N 4.18E 3.7L
IDC XII 16 19 00 45.6–1.0 36.02N 4.18E 0 3.6b,3.5
MDD XII 16 19 00 46.6–.63 35.97N 4.25E 0 4.0b,3.3
ISC Event type ke.
CNRM Error ellipse: s-maj=6.9km s-min=3.5km az=7.0.
CRAAG Algrie 03km SE Melouza.
IDC Error ellipse: s-maj=23.6km s-min=11.1km az=0.0.
MDD Event type ke. Error ellipse: s-maj=5.5km s-min=3.5km az=140.0.
ISC XII 06 02 19 16.2–.74 36.68N–.05 5.30E–.03 10 42 0-56
MDD XII 06 02 19 14.2–.76 36.53N 5.83E 10 4.7b,4.2 **¶621613044**
CRAAG XII 06 02 19 15.3 36.52N 5.19E 3.5L,4.2
IDC XII 06 02 19 17.2–1.3 36.83N 5.24E 0 3.2L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=4.3km az=112.0.
CRAAG Algrie 08km NW Kherrata.
IDC Error ellipse: s-maj=35.4km s-min=14.0km az=20.0.
ISC XII 18 18 04 12.2–1.4 34.32N–.10 7.65E–.06 10 4.0b 22 1-37
IDC XII 18 18 04 13.1–5.5 34.68N 7.16E 0 3.8b,3.8 **¶621657017**
CRAAG XII 18 18 04 28.7 35.35N 7.22E 3.5L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=94.1km s-min=23.7km az=171.0.
CRAAG Algrie 04km NW El-Mahmal.
ISC XII 28 19 25 16.4–1.2 36.65N–.03 6.83E–.03 20–5 3.9b 85 0-64
CRAAG XII 28 19 25 15.6 36.55N 6.85E 3.8L **¶621656469**
NEIC XII 28 19 25 15.8–1.9 36.74N–.05 6.86E–.02 12–4 4.3b
IDC XII 28 19 25 16.5–1.6 36.80N 6.96E 0 3.8L,3.5
CNRM XII 28 19 25 17.9–2.4 36.43N 6.79E 33–23 3.8L,3.5
ISC Event type se.
CRAAG Algrie 06km SW Zerdaza.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=0.9km az=160.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.8km s-min=16.1km az=27.0.
CNRM Error ellipse: s-maj=12.0km s-min=4.5km az=7.0.

(397) Tunisia.

ISC IX 27 21 53 32.8–.56 34.45N–.05 8.45E–.05 10 4.0b 52 0-132
TUN IX 27 21 53 32.5 34.45N 8.49E 4–5 4.2 **¶621140665**
MED_R IX 27 21 53 33.0 34.46N 8.47E 17 4.1W
IDC IX 27 21 53 35.0–2.5 34.63N 8.40E 22–15 3.8b,3.8
ISC Event type se.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}1.55±.56 $M_{\theta\theta}$-0.62±.28; $M_{\phi\phi}$0.00±.34; $M_{r\theta}$0.14±.43; $M_{\theta\phi}$-0.70±.21; $M_{\phi r}$-1.05±.49; NP1: ϕ_s55.00000°,δ35.00000°,λ123.00000°. NP2:ϕ_s197.00000°,δ62.00000°,λ69.00000°. Principal axes: T 1.9900,Plg67.0000°,Azm68.0000°; N -0.3100,Plg18.0000°,Azm207.0000°; P -1.6800,Plg14.0000°,Azm302.0000° $M_0$1.83000×10^{15}
IDC Error ellipse: s-maj=14.8km s-min=11.3km az=156.0.
ISC X 05 18 52 09.1–1.1 36.76N–.05 9.09E–.04 15–8 3.9b 37 0-68
IDC X 05 18 52 08.1–1.0 36.80N 9.21E 0 3.9b,3.7 **¶621125946**
TUN X 05 18 52 10.0 36.71N 9.16E 0 3.9,3.7
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=12.1km az=91.0.
ISC XI 01 04 34 00.1–.57 34.07N–.06 8.32E–.05 10 4.0b,3.0s 59 1-100
IDC XI 01 04 33 59.1–.68 34.17N 8.39E 0 3.9b,3.9 **¶621261995**
TUN XI 01 04 34 01.9 34.18N 8.43E 5–6 4.2,3.9
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=9.4km az=145.0.

(398) Sicily.

IDC VII 06 22 51 52.5–538 37.17N 13.56E 0
¶620928066
IDC Error ellipse: s-maj=215.9km s-min=82.4km az=72.0.
IDC VII 06 23 11 52.5–523 37.01N 12.78E 0
¶620928067
IDC Error ellipse: s-maj=216.1km s-min=68.2km az=70.0.
ISC VII 27 19 31 05.8–.81 38.37N–.05 15.23E–.04 141–5 3.4b 130 0-49
ROM VII 27 19 31 05.7–.14 38.368N–.01 15.20E–.01 141–1 2.9L **¶620978979**
IDC VII 27 19 31 06.5–.72 38.37N 15.07E 154–21 3.3,2.9b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=1.4km s-min=0.3km az=132.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=34.6km s-min=24.8km az=33.0.
IDC VIII 29 15 14 28.9–568 37.75N 15.63E 0
¶621073185
IDC Error ellipse: s-maj=221.7km s-min=117.9km az=77.0.
IDC VIII 09 01 26 16.9–519 37.42N 14.40E 0
¶621007212
IDC Error ellipse: s-maj=199.3km s-min=96.5km az=73.0.
IDC VIII 09 02 40 38.6–534 37.46N 14.22E 0
¶621007220
IDC Error ellipse: s-maj=213.1km s-min=94.5km az=72.0.
ISC VIII 17 10 21 44.3–.51 38.72N–.05 14.62E–.04 289–5 3.8b 289 0-91
ROM VIII 17 10 21 42.2–.18 38.67N–.01 14.64E–.02 302–1 3.6L **¶620990447**
NEIC VIII 17 10 21 45.0–1.0 38.69N–.07 14.63E–.09 293–7 4.2b
IDC VIII 17 10 21 44.8–1.1 38.78N 14.54E 297–12 3.9,3.3b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=1.7km s-min=0.5km az=139.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.9km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=12.8km az=106.0.
IDC VIII 09 03 41 02.1–525 37.42N 13.96E 0
¶621007224
IDC Error ellipse: s-maj=210.3km s-min=90.6km az=70.0.
ROM VIII 31 11 16 06.6–.06 38.118N–.00 13.892E–.00 9–0 3.7W,3.6L
¶625936758
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}2.38 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$-0.41 $M_{r\theta}$-2.58 $M_{\theta\phi}$-0.75 $M_{\phi r}$-1.23 NP1: ϕ_s245.00000°,δ70.00000°,λ88.00000°. NP2:ϕ_s71.00000°,δ20.00000°,λ95.00000°. $M_0$3.68699×10^{14}
IDC VIII 29 16 59 40.4–530 37.66N 15.30E 0
¶621073193
IDC Error ellipse: s-maj=197.1km s-min=111.2km az=75.0.
ISC VIII 31 04 14 15.4–.69 38.14N–.03 13.94E–.02 14–4 4.3b 355 0-85
MOS VIII 31 04 14 09.8–1.2 37.82N 13.74E 7 4.5b **¶621011414**
IDC VIII 31 04 14 13.0–.56 38.33N 13.97E 0 3.9b,3.8
ROM VIII 31 04 14 14.8–.07 38.109N–.01 13.896E–.00 10–0 4.3L,3.8
PDG VIII 31 04 14 16.0–.40 38.19N 13.87E 18–5 4.3L,3.8
GFZ VIII 31 04 14 16.7–.31 38N–3.0 14E–2.0 10 4.3b,4.3
NEIC VIII 31 04 14 16.8–1.4 38.18N–.04 14.16E–.08 10–1 4.2b,4.3
MCSM VIII 31 04 14 16.9–.70 38N–7.0 14E–5.0 11–4 3.9b,3.8
NAO VIII 31 04 14 17.1 38.32N 13.96E 33 3.8b,3.8
BEO VIII 31 04 14 19.9–1.3 37.94N 14.09E 41–9 3.7L,3.8
ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=4.6km az=64.9.
IDC Error ellipse: s-maj=10.1km s-min=9.2km az=90.0.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.2km az=170.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=90.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.7km az=246.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NAO Event type se. Presumed earthquake.
BEO Event type ke.
ISC X 20 12 08 21.8–.70 38.55N–.04 15.53E–.04 193–5 3.6b 174 0-92
IDC X 20 12 08 23.2–.78 38.70N 15.40E 200–16 3.7,3.3b **¶621246598**
ROM X 20 12 08 23.0–.16 38.551N–.01 15.47E–.01 186–1 3.6L,3.3b
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 15 14 35 28.0–.78 38.20N–.04 14.90E–.03 125–5 3.8b 135 0-49
IDC IX 15 14 35 28.5–.67 38.26N 14.91E 126–14 3.7,3.4b **¶621111989**
ROM IX 15 14 35 28.2–.15 38.206N–.01 14.845E–.01 122–1 3.1L,3.4b
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 18 14 02 51.8–1.2 38.38N–.03 12.67E–.03 8–10 89 0-50
IDC IX 18 14 02 51.2–1.4 38.68N 12.58E 0 3.5b,3.2 **¶621113567**
ROM IX 18 14 02 51.1–.16 38.39N–.01 12.62E–.01 11–1 3.3L,3.2
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC X 26 17 53 35.8–.90 38.75N–.07 14.85E–.08 287–7 3.3b 76 0-49
IDC X 26 17 52 48.6–1.5 36.89N 12.96E 0 3.8b,3.8 **¶621366486**
ROM X 26 17 53 34.9–.27 38.75N–.02 14.89E–.03 293–2 3.3L,3.8
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 02 19 25 58.2–1.1 37.46N–.03 15.76E–.03 16–10 136 1-9
BEO XI 02 19 25 38.9–3.0 36.05N 14.21E 221–0 3.5L **¶624418631**
ROM XI 02 19 25 59.0–.09 37.476N–.01 15.719E–.01 29–0 3.4L
ISC Event type ke.
BEO Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 17 20 12 12.0–.79 38.66N–.05 15.47E–.05 201–5 3.3b 157 0-48
ROM XI 17 20 12 12.6–.16 38.625N–.01 15.41E–.01 196–1 3.4L **¶621494231**
IDC XI 17 20 12 13.2–1.1 38.64N 15.11E 214–21 3.7,3.2b
ISC Event type se.

ROM Event type se. Error ellipse: s-maj=1.3km s-min=0.7km az=122.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=29.5km s-min=17.1km az=32.0.
ISC XII 04 08 17 58.1–1.1 38.73N–.03 14.18E–.02 9–10 76 0-49
IDC XII 04 08 17 58.9–1.2 38.81N 14.32E 0 3.5b,3.4 **¶621630653**
ROM XII 04 08 17 58.2–.14 38.703N–.01 14.164E–.01 23–1 3.4L,3.4
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XII 01 22 44 13.2–.43 38.57N–.03 14.96E–.04 221–4 4.2b 650 0-127
NAO XII 01 22 43 54.6 38.49N 14.88E 33 3.5b **¶621591132**
BEO XII 01 22 44 09.4–.60 38.47N 14.73E 0 3.6L
PDG XII 01 22 44 12.0–.49 38.55N 14.98E 233–2 3.9L
ROM XII 01 22 44 12.4–.17 38.539N–.01 14.93E–.02 228–1 3.8L
MOS XII 01 22 44 12.4–1.1 38.44N 14.85E 233 4.4b
NEIC XII 01 22 44 14.0–1.6 38.57N–.05 14.97E–.07 225–7 4.4b
IDC XII 01 22 44 14.2–.55 38.66N 14.75E 234–7 4.2,3.8b
GFZ XII 01 22 44 14.5–.35 39N–3.0 15E–3.0 224–4 5.4,5.1
ISC Event type ke.
NAO Event type se. Presumed earthquake.
BEO Event type ke.
PDG Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 28 18 04 51.9–1.5 38.62N–.03 14.17E–.03 9–10 3.9b 108 1-128
IDC XI 28 18 04 51.2–.64 38.70N 14.28E 0 3.9b,3.8 **¶621494322**
ROM XI 28 18 04 51.8–.18 38.692N–.01 14.155E–.01 10–1 3.8L,3.8
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 28 02 52 34.6–.85 38.67N–.03 14.19E–.02 17–5 4.5b,3.3s 508 1-126
MOS XI 28 02 52 31.8–1.1 38.66N 14.28E 6 4.6b,3.3s **¶621480566**
IDC XI 28 02 52 32.4–.46 38.74N 14.31E 0 4.3b,4.2
MED_R XI 28 02 52 32.0 38.70N 14.19E 10 4.2W,4.2
ROM XI 28 02 52 33.0–.18 38.695N–.01 14.150E–.01 9–1 4.2W,4.0L
MCSM XI 28 02 52 33.9–.50 39N–3.0 14E–3.0 10 4.3b,4.1
PDG XI 28 02 52 33.4–.80 38.69N 14.26E 13–1 4.1L,4.1
NEIC XI 28 02 52 34.2–1.2 38.66N–.04 14.35E–.07 10–1 4.5b,4.1
NAO XI 28 02 52 34.9 38.70N 14.19E 10 4.3b,4.1
GFZ XI 28 02 52 34.0–.27 39N–2.0 14E–2.0 10 5.5b,5.0
ISC Event type se.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}2.01±.30 $M_{\theta\theta}$-2.30±.13; $M_{\phi\phi}$0.00±.37; $M_{r\theta}$-1.40±.40; $M_{\theta\phi}$-0.92±.12; $M_{\phi r}$-0.38±.59; NP1: ϕ_s70.00000°,δ29.00000°,λ87.00000°. NP2:ϕ_s254.00000°,δ61.00000°,λ92.00000°. Principal axes: T 2.4300,Plg74.0000°,Azm169.0000°; N 0.5800,Plg2.0000°,Azm73.0000° ; P -3.0100,Plg16.0000°,Azm343.0000° M_o2.72000×10^{15}
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.90 $M_{\theta\theta}$-2.13 $M_{\phi\phi}$1.23 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.85 $M_{\phi r}$-0.59 NP1: ϕ_s115.00000°,δ73.00000°,λ146.00000°. NP2:ϕ_s216.00000°,δ58.00000°,λ21.00000°. M_o2.19807×10^{15}
PDG Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC XII 24 09 19 53.4–.77 37.70N–.01 15.15E–.02 9–4 136 0-14
ROM XII 24 09 19 53.3–.06 37.700N–.00 15.143E–.00 8–0 3.5L **¶624419229**
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM XII 24 01 16 13.5–.16 36.983N–.00 15.209E–.01 29–1 1.6L ¶626517057
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XII 18 21 24 46.3–.86 37.78N–.02 14.65E–.02 30–4 138 0-7
ROM XII 18 21 24 46.2–.05 37.768N–.00 14.631E–.01 29–0 3.5L **¶625356461**
BEO XII 18 21 24 49.5–.80 37.83N 15.22E 5 3.3L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.2km az=205.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC XII 23 21 33 45.8–.58 37.48N–.01 14.96E–.02 18–2 4.2b,3.7s 433 0-126
MCSM XII 23 21 33 43.9–2.2 37N–6.0 15E–4.0 10–16 4.2b,4.2 **¶621650668**
IDC XII 23 21 33 43.7–.79 37.52N 15.10E 0 3.8L,3.7b
PDG XII 23 21 33 44.9–.41 37.48N 14.90E 24–0 4.3L,3.7b
MOS XII 23 21 33 44.5–1.2 37.59N 15.22E 8 4.3b,3.7b
NEIC XII 23 21 33 44.4–1.2 37.36N–.05 15.06E–.02 10–1 4.3b,3.7b
MED_R XII 23 21 33 45.0 37.48N 14.92E 16 4.5W,3.7b
CRAAG XII 23 21 33 45.2 37.48N 14.92E 4.3L,3.7b
ROM XII 23 21 33 45.5–.06 37.480N–.00 14.916E–.00 19–0 4.3W,4.2L
BEO XII 23 21 33 46.6–.50 37.54N 15.33E 0 4.1L,4.2L
GFZ XII 23 21 33 46.5–.39 37N–3.0 15E–3.0 10 4.9b,4.4L
ISC Event type ke.
PDG Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Event type se. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15} Nm; M_{rr}-2.56±.71 $M_{\theta\theta}$-2.54±.32; $M_{\phi\phi}$0.00±.68; $M_{r\theta}$-1.76±.66; $M_{\theta\phi}$-3.62±.38; $M_{\phi r}$-0.71±.69; NP1: ϕ_s119.00000°,δ66.00000°,λ-154.00000°. NP2:ϕ_s18.00000°,δ66.00000°,λ-26.00000°. Principal axes: T 6.5400,Plg0.0000°,Azm68.0000°; N -1.2400,Plg55.0000°,Azm158.0000° ; P -5.3000,Plg35.0000°,Azm338.0000° M_o5.92000×10^{15}
CRAAG Italie.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.22 $M_{\theta\theta}$-2.04 $M_{\phi\phi}$2.26 $M_{r\theta}$-0.09 $M_{\theta\phi}$-2.69 $M_{\phi r}$-0.60 NP1: ϕ_s199.00000°,δ89.00000°,λ10.00000°. NP2:ϕ_s109.00000°,δ80.00000°,λ179.00000°. M_o3.49754×10^{15}
BEO Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 25 17 02 44.4–.82 38.65N–.03 13.12E–.03 15–5 3.6b 126 0-77
ROM XII 25 17 02 43.1–.14 38.710N–.01 13.122E–.01 19–1 3.4L **¶621700120**
IDC XII 25 17 02 43.6–.93 38.71N 13.05E 0 3.8b,3.5
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.9km s-min=0.5km az=309.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=15.4km s-min=12.5km az=79.0.

(399) Ionian Sea.

ISC IX 14 10 40 40.8–.61 37.79N–.02 20.30E–.02 20–2 4.3b,3.3s 613 0-122
MOS IX 14 10 40 38.3–.95 37.80N 20.35E 10 4.5b,3.3s **¶626685382**
NEIC IX 14 10 40 39.7–1.1 37.72N–.07 20.38E–.07 10–1 4.5b,3.3s
IDC IX 14 10 40 39.5–.60 37.90N 20.40E 0 4.1b,4.0
PDG IX 14 10 40 40.9–.57 37.74N 20.27E 13–1 4.3L,4.0
MCSM IX 14 10 40 40.6–.50 38N–4.0 20E–3.0 11–2 5.4b,4.9
THE IX 14 10 40 40.1 38N–1.0 20E–2.0 6–2 4.2,4.2
ATH IX 14 10 40 41.1 37.75N 20.29E 9–0 4.2L,4.2
GFZ IX 14 10 40 41.9–.26 38N–3.0 20E–2.0 10 5.7,5.5
BEO IX 14 10 40 43.3–.50 37.91N 20.07E 12–3 4.1L,5.5
NAO IX 14 10 41 04.6 40.02N 19.55E 10 3.7b,5.5
ISC Event type ke.
MOS Error ellipse: s-maj=8.0km s-min=4.1km az=69.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.8km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.3km s-min=8.9km az=22.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.2km az=0.0.
ATH Event type ke. Manual Solution by M.Charalampakis First location: 2021/09/14 10:41:44, This location: 2021/09/14 11:33:07 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
GFZ Error ellipse: s-maj=5.9km s-min=3.7km az=28.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BEO Event type ke.
NAO Event type se. Presumed earthquake.
ISC XII 09 03 33 20.7–1.9 37.33N–.05 16.88E–.04 18–6 71 1-5
ROM XII 09 03 33 21.4–.10 37.274N–.00 16.918E–.00 38–0 2.8L **¶626516465**
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
THE IX 16 16 57 58.1 37N–2.0 21E–2.0 0–2 1.8,1.8 ¶621801010
ISC XI 12 09 43 16.9–1.2 37.12N–.04 20.02E–.03 28–13 168 1-6
ATH XI 12 09 43 16.3 37.11N 20.01E 15–6 3.0L **¶622050401**
THE XI 12 09 43 17.8 37N–3.0 20E–3.0 15–8 3.0,3.0
PDG XI 12 09 43 18.5–.26 37.39N 19.38E 13–11 3.9L,3.0
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Gkika First location: 2021/11/12 09:44:27, This location: 2021/11/12 10:03:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
PDG Event type ke. Error ellipse: s-maj=58.4km s-min=4.2km az=90.0.
IDC IX 22 11 39 48.9–416 37.95N 18.04E 0 ¶621118139
IDC Error ellipse: s-maj=158.1km s-min=141.1km az=132.0.
ISC IX 30 22 47 09.2–1.6 37.64N–.04 19.55E–.05 18–8 3.8b 124 1-47
ATH IX 30 22 47 09.9 37.66N 19.59E 6–1 3.2L **¶621147796**
THE IX 30 22 47 12.4 38N–2.0 20E–2.0 3–2 3.1,3.1
BEO IX 30 22 47 13.1–.70 37.90N 19.50E 6 3.1L,3.1
IDC IX 30 22 47 18.6–12 38.55N 21.06E 0 3.7b,3.5
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Lantzourakis First location: 2021/09/30 22:48:18, This location: 2021/09/30 22:53:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
BEO Event type ke.
IDC Error ellipse: s-maj=233.6km s-min=34.9km az=35.0.

(400) Central Mediterranean Sea.

ISC VII 19 05 17 09.9–1.9 34.4N–.30 13.07E–.07 10 3.9b,3.3s 12 3-67
IDC VII 19 05 17 10.9–1.4 34.33N 13.58E 0 3.7b,3.6 **¶620928858**
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=17.0km az=174.0.
ISC VII 25 01 39 02.0–.84 35.84N–.05 22.97E–.05 60–6 3.6b 123 0-46
ATH VII 25 01 39 01.3 35.70N 22.79E 30–3 3.5L **¶620973737**
THE VII 25 01 39 02.9 36N–3.0 23E–4.0 49–5 3.5,3.5
ISK VII 25 01 39 02.8 35.96N 23.12E 61–0 3.3L,3.5
IDC VII 25 01 39 07.1–3.1 36.41N 23.21E 75–32 3.4,3.1b
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/07/25 01:40:16, This location: 2021/07/25 05:00:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
ISK Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=18.5km az=178.0.
ISC VIII 24 10 53 47.7–1.3 35.15N–.09 22.47E–.06 33 3.6b 66 1-47
IDC VIII 24 10 53 43.4–3.3 35.26N 22.59E 0 3.7b,3.6 **¶621049317**
ATH VIII 24 10 53 51.4–.61 35.31N 22.64E 20 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=62.1km s-min=20.9km az=25.0.
ATH Event type ke. Manual Solution by G.Panopoulou First location: 2021/08/24 10:55:12, This location: 2021/08/24 11:30:43 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 5 km; Longitude uncertainty: 2 km.
ISC VIII 03 09 16 15.3–1.2 35.79N–.05 22.20E–.06 58–11 3.6b 91 1-46
ATH VIII 03 09 16 12.9 35.73N 22.16E 12–5 3.3L **¶620995866**
THE VIII 03 09 16 14.9 36N–2.0 22E–2.0 17–6 3.2,3.2
IDC VIII 03 09 16 15.6–2.5 35.87N 22.30E 54–29 3.6,3.4b
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/08/03 09:17:29, This location: 2021/08/03 09:31:09 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=24.3km s-min=17.1km az=7.0.
ISC IX 28 16 42 32.7–1.2 35.90N–.03 22.77E–.04 9–8 3.8b 84 0-45
IDC IX 28 16 42 29.6–4.5 35.73N 22.85E 0 3.7b,3.6 **¶621140838**
ATH IX 28 16 42 32.9 35.93N 22.78E 16–2 3.7L,3.6
THE IX 28 16 42 34.0 36N–1.0 23E–2.0 3–2 3.4,3.4
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/28 16:43:44, This location: 2021/09/28 16:49:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISC IX 07 23 31 07.4–1.9 34.92N–.06 22.77E–.06 17–9 47 1-3
THE IX 07 23 31 07.6 35N–5.0 23E–4.0 9–27 2.9,2.9 **¶621800805**
ATH IX 07 23 31 07.9 34.98N 22.76E 11–3 2.9L,2.9
ISK IX 07 23 31 19.2 35.19N 24.49E 14–0 2.5L,2.9
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/07 23:32:39, This location: 2021/09/07 23:38:33 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISK Event type ke.
ISC IX 07 23 40 18.0–1.7 34.94N–.06 22.64E–.05 16–9 92 1-47
ATH IX 07 23 40 19.4 34.97N 22.74E 9–2 3.1L **¶621094341**
THE IX 07 23 40 20.1 35N–4.0 23E–3.0 11–14 3.1,3.1
IDC IX 07 23 40 20.8–33 35.04N 23.93E 0 3.5b,3.5
ISC Event type ke.
ATH Event type ke. Manual Solution by D.Venizelos First location: 2021/09/07 23:41:48, This location: 2021/09/07 23:49:34 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
IDC Error ellipse: s-maj=667.0km s-min=48.2km az=30.0.
IDC IX 18 09 39 12.6–2.1 34.96N 14.07E 0 3.5,2.4L ¶621113560
IDC Error ellipse: s-maj=28.2km s-min=16.2km az=170.0.
ISC X 09 06 52 47.4–2.9 34.8N–.10 14.01E–.08 29–17 48 1-28
IDC X 09 06 52 42.2–3.4 34.53N 14.21E 0 4.0b,3.7L **¶621235313**
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=19.4km az=156.0.
ISC X 02 02 39 32.6–3.6 34.9N–.20 14.1E–.10 10–28 48 1-9
ROM X 02 02 39 33.6–.50 34.80N–.03 14.04E–.07 22–1 3.6L **¶635783199**
TIR X 02 02 39 41.3–1.0 35.22N 14.52E 70–686 4.0L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=6.3km s-min=3.0km az=110.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
TIR Event type se. Error ellipse: s-maj=131.5km s-min=172.6km az=-1.0. Presumed earthquake.
ISC X 09 14 57 55.5–2.8 34.9N–.20 13.92E–.08 10 38 1-8
TIR X 09 14 57 50.8–1.0 34.96N 13.74E 8 4.3L **¶635783246**
ROM X 09 14 57 52.9–.19 34.75N–.01 13.97E–.01 10 3.6L
ISC Event type ke.
TIR Event type se. Presumed earthquake.

ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 02 15 59 04.8–1.2 35.96N–.03 22.44E–.04 15–7 3.8b 115 1-69
IDC XI 02 15 59 02.2–1.6 36.11N 22.25E 0 3.7b,3.7 **¶621401349**
ATH XI 02 15 59 03.9 35.96N 22.39E 7–1 3.6L,3.7
THE XI 02 15 59 06.2 36N–2.0 22E–2.0 3–3 3.6,3.6
ISC Event type ke.
ATH Event type ke. Manual Solution by P.Varotsos First location: 2021/11/02 16:00:10, This location: 2021/11/02 16:11:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
ISC X 28 19 14 52.4–1.6 35.76N–.07 13.18E–.04 9–11 50 0-8
ROM X 28 19 14 49.9–.41 35.50N–.02 13.01E–.02 22–2 3.8L **¶624418593**
TIR X 28 19 15 00.1–.72 36.23N 13.98E 10–518 3.9L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=2.2km s-min=2.1km az=248.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
TIR Event type se. Error ellipse: s-maj=231.4km s-min=609.7km az=-1.0. Presumed earthquake.
ISC XII 19 12 32 36.3–1.3 35.55N–.09 22.20E–.08 36 3.8b 20 1-76
IDC XII 19 12 32 32.9–5.8 35.91N 22.42E 0 3.8b,3.8 **¶621657081**
ATH XII 19 12 32 34.3 35.53N 22.17E 8–3 3.0L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=131.2km s-min=32.4km az=14.0.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2021/12/19 12:34:01, This location: 2021/12/19 12:45:22 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISC XII 13 02 26 03.1–3.3 35.0N–.10 14.10E–.06 18–9 65 1-28
IDC XII 13 02 25 56.5–3.4 34.56N 14.14E 0 3.9b,3.5 **¶621650546**
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=19.3km az=156.0.

SEISMIC REGION 32.
Atlantic Ocean.

(402) North Atlantic Ocean.
ISC VII 04 17 33 43.1–1.5 19.40N–.06 68.33W–.03 3–11 80 1-3
OSPL VII 04 17 33 45.3–2.1 19.34N 68.34W 0–9 2.9L **¶620733588**
RSPR VII 04 17 33 46.5 19.53N 68.38W 47–8 3.7
NEIC VII 04 17 33 47.2–1.9 19.37N–.10 68.40W–.04 35–2 3.7,3.3L
ISC Event type ke.
OSPL Event type se. Presumed earthquake.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 13 02 21 54.4–3.4 41.00N–.06 14.0W–.20 10 65 4-8
MDD VII 13 02 21 52.5–.99 41.05N 14.33W 4–24 4.2b,3.5 **¶620805494**
INMG VII 13 02 21 56.1–1.0 41.04N 14.60W 42–14 2.2L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=30.6km s-min=6.5km az=91.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=92.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Abissal Ibrica.
ISC VII 13 07 55 23.0–1.5 39.13N–.03 10.55W–.07 10 167 1-9
IGIL VII 13 07 55 26.8 39.13N 10.53W 25 3.0L **¶620805505**
MDD VII 13 07 55 26.4–.51 39.13N 10.53W 25 3.5
INMG VII 13 07 55 28.0–1.8 39.15N 10.42W 18–6 2.7L
CNRM VII 13 07 55 32.5 38.54N 10.42W 82 2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=2.3km az=76.0.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=2.7km az=82.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canho da Nazar.
ISC VII 14 02 34 49.8–3.4 42.87N–.08 13.9W–.20 10 79 4-8
MDD VII 14 02 34 46.1–.87 43.06N 14.23W 0 4.3b,3.7 **¶620823851**
INMG VII 14 02 34 50.2–1.3 43.12N 14.45W 10 2.5L,3.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.7km s-min=5.7km az=107.0.
INMG Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=90.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Abissal Ibrica.
ISC VII 21 11 17 33.2–1.3 19.14N–.05 68.32W–.02 4–10 97 1-4
NEIC VII 21 11 17 33.8–1.2 19.12N–.06 68.34W–.03 6–9 3.8,3.5L **¶620840367**
OSPL VII 21 11 17 35.7–2.8 19.08N 68.33W 0–12 3.3L,3.5L
RSPR VII 21 11 17 36.4 19.02N 68.44W 7–1 3.8,3.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=3.0km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=10.5km s-min=6.6km az=-1.0. Presumed earthquake.
RSPR Event type ke.
OTT VIII 25 15 55 26.6–.31 53.95N 50.87W 18 3.9L
¶621009644
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0. 379km northeast from Mary"s Harbour, Nl.
TRN VII 24 03 06 06.1 14.80N 58.75W 204 4.2
¶626332849
TRN Far East of Martinique.
ISC VII 26 01 43 35.9–1.5 19.32N–.08 68.29W–.04 7–13 95 1-8
NEIC VII 26 01 43 35.8–1.2 19.36N–.02 68.26W–.03 10–2 3.7,3.1L **¶620846033**
OSPL VII 26 01 43 36.5–1.1 19.41N 68.28W 0–8 3.1L,3.1L
RSPR VII 26 01 43 37.9 19.57N 68.29W 56–16 3.7,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=264.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Event type se. Error ellipse: s-maj=9.2km s-min=4.2km az=-1.0. Presumed earthquake.
RSPR Event type ke.
ISC VII 26 20 31 15.2–3.8 42.89N–.09 14.3W–.20 10 41 4-9
MDD VII 26 20 31 10.6–1.3 43.04N 14.75W 0 4.0b,3.3 **¶620847102**
INMG VII 26 20 31 15.0–.92 43.17N 14.96W 16 2.2L,3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.1km s-min=6.1km az=94.0.
INMG Event type ke. Error ellipse: s-maj=8.6km s-min=4.1km az=81.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Abissal Ibrica.
ISC VIII 16 13 08 03.1–3.0 42.57N–.08 10.9W–.20 10 43 1-5
MDD VIII 16 13 08 06.6–1.1 42.50N 10.66W 0 2.6 **¶622087409**
INMG VIII 16 13 08 07.9–1.2 42.66N 11.22W 10 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.1km s-min=4.6km az=115.0.
INMG Event type ke. Error ellipse: s-maj=8.3km s-min=3.4km az=101.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Banco da Galiza.
TRN VIII 18 10 06 26.7 13.10N 58.77W 55 3.9
¶625959878
TRN East of Barbados.
ISC VIII 20 14 38 12.2–4.1 40.72N–.09 16.2W–.20 10 28 6-8
MDD VIII 20 14 38 06.9–1.4 40.61N 16.65W 0 4.2b,3.6 **¶620998939**
INMG VIII 20 14 38 10.5–1.1 40.71N 17.03W 21 2.4L,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.3km s-min=8.0km az=89.0.
INMG Event type ke. Error ellipse: s-maj=10.9km s-min=6.8km az=81.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Abissal Iberica.
OTT VIII 28 05 07 22.6–.58 45.51N 52.39W 18 4.2L
¶621012643
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0. 226km south from Conception Bay South, Nl.
ISC IX 06 04 38 03.3–1.1 19.03N–.03 68.70W–.02 12–9 174 1-8
NEIC IX 06 04 38 04.4–1.5 19.05N–.05 68.73W–.03 10–2 3.8,3.2L **¶621036058**
RSPR IX 06 04 38 06.3 18.98N 68.78W 8–31 3.8,3.2L
OSPL IX 06 04 38 06.1–2.7 19.02N 68.74W 0–9 3.1L,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=3.0km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=8.3km s-min=5.7km az=-1.0. Presumed earthquake.
TRN IX 17 05 03 36.7 12.60N 58.54W 85 4.3
¶625960947
TRN South-east of Barbados.
ISC IX 10 12 28 09.2–1.3 53.48N–.08 41.6W–.10 10 3.6b 34 8-150
IDC IX 10 12 28 02.6–1.2 53.18N 40.06W 0 3.6,3.5b **¶621108515**
OTT IX 10 12 28 07.1–.76 53.23N 40.40W 18 5.2b,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=19.9km az=4.0.
OTT Event type ke. Error ellipse: s-maj=475.9km s-min=394.0km az=-1.0. Atlantic Ocean.
OTT IX 08 02 14 45.5–.26 44.61N 57.15W 18 4.0L
¶624741658
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 265km southeast from Louisbourg, Ns Laurentian Slope Seismic Zone.
TRN IX 27 01 14 12.9 10.76N 59.21W 100 4.1
¶625961255
TRN Far east of Trinidad.
ISC IX 22 05 06 23.7–3.7 39.61N–.09 13.0W–.20 10 16 3-5
MDD IX 22 05 06 23.9–1.3 39.63N 13.33W 24–33 4.0b,3.3 **¶621094780**
INMG IX 22 05 06 27.7–1.2 39.54N 13.40W 30 1.6L,3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=35.7km s-min=8.9km az=91.0.
INMG Event type ke. Error ellipse: s-maj=12.6km s-min=8.1km az=101.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Tore.
IDC IX 20 13 43 04.6–1.2 43.84N 64.97W 0 3.8b,3.8
¶621115995
IDC Error ellipse: s-maj=34.8km s-min=28.3km az=4.0.
TRN IX 23 05 10 48.8 14.00N 58.49W 103 4.1
¶625961154
TRN North-east of Barbados.
ISC X 16 22 56 14.8–.34 15.59N–.06 50.08W–.05 10 4.9b,4.0s 403 10-174
IDC X 16 22 56 12.6–.48 15.64N 49.89W 0 4.7L,4.4b **¶621204786**
NEIC X 16 22 56 15.7–1.0 15.49N–.09 49.99W–.09 10–1 5.0b,4.4b
GFZ X 16 22 56 16.9–.25 16N–4.0 50W–3.0 10 5.7b,5.2
GCMT X 16 22 56 17.7–.20 15.67N–.01 49.82W–.01 12 5.0W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110162256A. Moment Tensor Solution. s27,c34; s101,c164; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.49±.07 $M_{\theta\theta}$2.83±.07; $M_{\phi\phi}$-1.34±.06; $M_{r\theta}$0.90±.21; $M_{\theta\phi}$1.47±.06; $M_{\phi r}$-1.46±.20; Best double couple: NP1:ϕ_s36.00000°,δ57.00000°,λ-151.00000°. NP2:ϕ_s289.00000°,δ66.00000°,λ-37.00000°. Principal axes: T 3.3370,Plg6.0000°,Azm344.0000°; N -0.0050,Plg47.0000°,Azm80.0000°; P -3.3320,Plg42.0000°,Azm249.0000° $M_0$3.33400×10^{16}
ISC X 05 03 07 56.8–1.3 44.21N–.04 7.20W–.02 16–8 289 1-11
MDD X 05 03 07 58.4–.29 44.23N 7.39W 3–1 3.5 **¶621120438**
LDG X 05 03 07 59.7–.15 44.24N 7.33W 5 3.7L
INMG X 05 03 08 00.4–1.5 44.21N 7.32W 17–3 3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=119.0.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=111.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.0km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Mar Cantabrico.
ISC X 05 03 23 47.0–1.5 44.23N–.04 7.27W–.04 11–11 72 1-8
INMG X 05 03 23 48.9–1.5 44.15N 7.27W 2 2.2L **¶621120439**
MDD X 05 03 23 48.5–.49 44.16N 7.31W 0 3.0
LDG X 05 03 23 50.4–.26 44.16N 7.30W 5 2.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=2.6km az=131.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Mar Cantabrico.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=2.0km az=144.0.
LDG Event type ke. Error ellipse: s-maj=6.8km s-min=3.6km az=135.0.
TRN X 18 11 10 40.0 11.19N 59.75W 16 3.6
¶625961764
TRN East of Tobago.
ISC X 29 04 32 11.6–.97 44.15N–.03 7.65W–.03 12–6 3.9b,3.3s 386 1-89
IDC X 29 04 32 10.6–.84 44.16N 7.87W 0 4.0L,3.8 **¶621243360**
MDD X 29 04 32 11.8–.44 44.15N 7.77W 0 4.4,3.8
GFZ X 29 04 32 11.3–.33 44N–2.0 8W–4.0 10 5.1b,4.8L
NEIC X 29 04 32 12.1–2.5 44.21N–.07 7.7W–.10 10–1 4.2b,4.8L
INMG X 29 04 32 12.6–1.6 44.19N 7.78W 11–3 4.4L,4.8L
LDG X 29 04 32 15.4–.23 44.36N 7.46W 5 4.3L,4.8L
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=9.5km az=70.0.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=2.1km az=146.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=12.4km az=284.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=130.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Mar Cantabrico.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=75.0.
OTT X 24 04 22 56.4–.35 43.12N 58.76W 18 3.5L,3.3
¶626196305
OTT Event type ke. Error ellipse: s-maj=312.5km s-min=164.8km az=-1.0. 354km Sse of Cape Breton - Sydney, Ns.
TRN X 19 02 30 35.0 13.96N 58.39W 79 4.0
¶625961786
TRN North-east of Barbados.
ISC XI 10 13 30 29.6–2.1 42.13N–.05 11.19W–.10 35 131 2-11
MDD XI 10 13 30 30.7–.82 42.19N 11.25W 37–26 3.5 **¶621391500**
INMG XI 10 13 30 31.9–1.4 42.27N 11.36W 43–41 3.0L
CNRM XI 10 13 30 37.8–1.7 41.64N 10.46W 9 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.7km s-min=3.3km az=116.0.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=5.2km az=85.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Banco da Galiza.
CNRM Error ellipse: s-maj=13.4km s-min=11.1km az=128.0.
ISC XI 20 18 43 32.0–3.9 40.26N–.07 17.9W–.20 10 70 7-11
MDD XI 20 18 43 25.8–1.0 40.29N 18.53W 0 4.4b,3.8 **¶621427735**
IGIL XI 20 18 43 28.0 40.23N 18.72W 18 2.8L,3.8
INMG XI 20 18 43 30.5–2.3 40.24N 18.74W 10 2.9L,3.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.7km s-min=6.9km az=47.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=9.7km s-min=8.6km az=71.0. #DIST_RANGE: REGIONAL #IPMA_REGION: North Atlantic Ocean.
ISC XI 28 16 03 02.6–3.0 39.37N–.05 13.8W–.20 10 106 4-7
MDD XI 28 16 03 06.4–.85 39.41N 13.62W 0 4.4b,3.8 **¶621480948**
IGIL XI 28 16 03 09.4 39.31N 13.97W 25 3.0L,3.8
INMG XI 28 16 03 09.9–1.5 39.32N 13.96W 10 2.8L,3.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.8km s-min=4.4km az=81.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=94.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Tore.
ISC XI 23 15 03 34.5–1.6 19.15N–.06 68.75W–.03 2–12 84 0-3
NEIC XI 23 15 03 36.9–.71 19.01N–.04 68.78W–.02 11–7 3.8,3.3L **¶621449559**
RSPR XI 23 15 03 37.0 19.09N 68.82W 1–1 3.8,3.3L
OSPL XI 23 15 03 37.7–1.4 19.13N 68.78W 0–7 3.2L,3.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=1.9km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Event type se. Error ellipse: s-maj=5.6km s-min=4.3km az=-1.0. Presumed earthquake.

OTT XI 29 14 45 03.3–.56 44.42N 56.93W 18 3.5L,3.5 ¶625078765
OTT Event type ke. Error ellipse: s-maj=373.6km s-min=300.2km az=-1.0. 319km southeast of Cape Breton - Sydney, Ns.
TRN XI 29 02 06 10.2 14.26N 58.81W 77 3.8 ¶625963260
TRN North-east of Barbados.
ISC XII 06 08 06 38.2–1.6 44.23N–.05 7.67W–.04 10–10 128 1-7
LDG XII 06 08 06 39.7–.24 44.25N 7.82W 2 3.5L **¶621613056**
MDD XII 06 08 06 40.8–.56 44.14N 7.76W 2–2 3.6
INMG XII 06 08 06 42.2–2.1 44.17N 7.91W 14–7 3.1L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=3.0km az=112.0.
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=141.0.
INMG Event type ke. Error ellipse: s-maj=12.0km s-min=5.7km az=94.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Mar Cantabrico.
TRN XII 05 01 31 03.6 13.70N 58.24W 107 3.9 ¶625963352
TRN North-west of Barbados.
ISC XI 30 23 23 58.9–.54 12.92N–.08 48.16W–.07 10 4.5b,3.4s 63 9-82
IDC XI 30 23 23 57.8–.76 13.11N 47.99W 0 4.9L,4.1 **¶621627102**
NEIC XI 30 23 23 59.4–1.9 12.87N–.08 48.10W–.09 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 18 02 34.0–1.9 39.38N–.03 11.52W–.09 35 206 2-10
MDD XII 20 18 02 36.1–.52 39.37N 11.61W 36 3.7 **¶621634799**
IGIL XII 20 18 02 37.4 39.39N 11.50W 52 2.4L
INMG XII 20 18 02 39.5–1.6 39.39N 11.51W 48–14 3.0L
CNRM XII 20 18 02 44.6–1.1 38.54N 10.47W 11 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=83.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=86.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Canhao da Nazare.
CNRM Error ellipse: s-maj=9.3km s-min=4.9km az=117.0.
TRN XII 25 18 47 22.5 11.80N 59.30W 72 3.6 ¶625963606
TRN North-east of Tobago.
TRN XII 26 09 23 24.4 13.90N 58.66W 3 3.6 ¶625963619
TRN North-east of Barbados.

(403) Northern Mid-Atlantic Ridge.

ISC VII 09 07 13 26.4–.54 45.2N–.10 28.07W–.07 14 4.3b,3.6s 98 15-154
IDC VII 09 07 13 23.9–.86 45.30N 28.14W 0 3.8L,3.8b **¶620928237**
NEIC VII 09 07 13 26.1–.79 45.2N–.10 28.1W–.10 10–1 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 17 31 17.8–.37 44.50N–.07 28.44W–.06 10 4.3b,3.7s 192 7-155
NEIC VII 10 17 31 17.8–1.4 44.53N–.09 28.4W–.10 10–1 4.4b,3.7s **¶620787389**
IDC VII 10 17 31 17.6–.57 44.53N 28.36W 0 4.1b,4.0
GFZ VII 10 17 31 19.0–.45 44N–10 28W–8.0 10 4.3b,4.3
GCMT VII 10 17 31 20.6–.40 44.51N–.06 28.20W–.04 19–1 4.7W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107101731A. Moment Tensor Solution. s16,c16; s71,c89; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.75±.15 $M_{\theta\theta}$0.57±.10; $M_{\phi\phi}$1.18±.09; $M_{r\theta}$0.20±.28; $M_{\theta\phi}$0.26±.06; $M_{\phi r}$0.15±.19; Best double couple: NP1:ϕ_s18.00000°,δ41.00000° ,λ-95.00000°. NP2:ϕ_s204.00000°,δ49.00000°,λ-86.00000°. Principal axes: T 1.2920,Plg4.0000°,Azm291.0000°; N 0.4830,Plg3.0000°,Azm21.0000° ; P -1.7720,Plg85.0000°,Azm151.0000° $M_0$1.53200×10^{16}
ISC VII 17 21 31 18.1–.26 28.43N–.05 43.68W–.04 12 5.1s,5.0b 728 16-175
IDC VII 17 21 31 15.5–.46 28.43N 43.67W 0 4.9s,4.3b **¶620833208**
MOS VII 17 21 31 17.6–1.1 28.45N 43.78W 19 5.3b,5.0s
NEIC VII 17 21 31 18.0–.96 28.44N–.09 43.69W–.03 10–1 5.5,5.2b
GFZ VII 17 21 31 19.7–.18 29N–4.0 44W–2.0 10 5.8,4.8b
GFZ VII 17 21 31 19.6 28.51N 43.72W 10 5.4W,4.8b
INMG VII 17 21 31 21.0–8.0 28.35N 43.79W 10 5.0b,4.8
GCMT VII 17 21 31 21.7–.20 28.49N–.02 43.67W–.01 12 5.4W,4.8
BGR VII 17 21 31 22.4 27.59N 43.08W 35 5.2s,5.1b
ISC Event type ke.
IDC Error ellipse: s-maj=14.4km s-min=10.5km az=167.0.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=46.7.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=3.3km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.40 $M_{\theta\theta}$0.47 $M_{\phi\phi}$0.92 $M_{r\theta}$-0.31 $M_{\theta\phi}$0.36 $M_{\phi r}$-0.45 NP1: ϕ_s207.83005°,δ33.26996°,λ-92.64796°. NP2:ϕ_s30.99614°,δ56.77017°,λ-88.26375°. Principal axes: T 1.2359,Plg11.7543°,Azm119.7422°; N 0.2746,Plg1.4523°,Azm210.0445° ; P -1.5106,Plg78.1538°,Azm306.9866° $M_0$1.39371×10^{17}
INMG Event type ke. #DIST_RANGE: DISTANT.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107172131A. Moment Tensor Solution. s49,c59; s139,c246; Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.44±.03 $M_{\theta\theta}$0.09±.02; $M_{\phi\phi}$1.35±.02; $M_{r\theta}$-0.25±.10; $M_{\theta\phi}$0.32±.02; $M_{\phi r}$0.20±.07; Best double couple: NP1:ϕ_s24.00000°,δ43.00000° ,λ-74.00000°. NP2:ϕ_s183.00000°,δ49.00000°,λ-104.00000°. Principal axes: T 1.4320,Plg3.0000°,Azm283.0000°; N 0.0690,Plg11.0000°,Azm192.0000° ; P -1.5010,Plg79.0000°,Azm28.0000° $M_0$1.46700×10^{17}
BGR Event type ke.
ISC VII 29 13 15 42.2–.64 52.6N–.10 31.90W–.07 13 4.2b 42 11-149
IDC VII 29 13 15 41.2–.95 52.67N 31.78W 0 4.4L,4.3s **¶620984113**
NEIC VII 29 13 15 41.5–2.2 52.6N–.20 32.0W–.20 10–2 4.3b,4.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 30 13 07 13.8–.47 14.74N–.08 45.31W–.07 10 4.6b,3.7s 64 12-89
IDC VII 30 13 07 13.9–.86 14.81N 45.00W 0 4.3L,4.0 **¶620986067**
NEIC VII 30 13 07 14.4–1.3 14.77N–.08 45.31W–.08 10–1 4.7b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 12 49 06.2–2.1 44.2N–.40 31.9W–.20 10 3.5b,3.4s 9 21-81
IDC VIII 12 12 49 04.8–2.3 44.26N 31.91W 0 3.5b,3.5 **¶621009413**
ISC Event type se.
IDC Error ellipse: s-maj=70.4km s-min=23.3km az=175.0.
ISC VII 30 03 19 46.8–.45 31.63N–.09 40.75W–.07 10 4.5b,3.6s 150 21-171
IDC VII 30 03 19 45.0–.57 31.63N 40.74W 0 4.1b,4.1 **¶620883703**
NEIC VII 30 03 19 47.3–1.3 31.7N–.10 40.72W–.05 10–1 4.6b,4.1
GFZ VII 30 03 19 48.1–.38 32N–10 41W–4.0 10 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 31 23 59 35.0–.75 31.5N–.20 40.75W–.08 14 4.1b,3.5s 74 14-96
IDC VII 31 23 59 33.1–.92 31.41N 40.76W 0 4.0b,4.0 **¶620986160**
NEIC VII 31 23 59 34.8–1.1 31.5N–.10 40.8W–.10 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 09 05 23 56.8–.63 32.2N–.10 40.68W–.08 14 4.3b,3.6s 68 21-170
NEIC VIII 09 05 23 56.0–.74 32.12N–.10 40.6W–.10 10–1 4.6b,3.6s **¶620976534**
IDC VIII 09 05 23 55.2–.91 32.17N 40.62W 0 4.0b,4.0
GCMT VIII 09 05 23 58.5–.40 32.08N–.04 40.49W–.04 12 4.7W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108090523A. Moment Tensor Solution. s10,c11; s69,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.02±.05 $M_{\theta\theta}$0.51±.05; $M_{\phi\phi}$0.51±.04; $M_{r\theta}$0.68±.20; $M_{\theta\phi}$0.61±.04; $M_{\phi r}$-0.51±.17; Best double couple: NP1:ϕ_s19.00000°,δ49.00000° ,λ-132.00000°. NP2:ϕ_s253.00000°,δ56.00000°,λ-53.00000°. Principal axes: T 1.1280,Plg4.0000°,Azm318.0000°; N 0.3880,Plg30.0000°,Azm50.0000° ; P -1.5190,Plg59.0000°,Azm220.0000° $M_0$1.32300×10^{16}
ISC VIII 10 18 58 23.4–.30 28.23N–.06 43.86W–.05 19 5.0b,4.0s 589 16-175
BGR VIII 10 18 58 18.9 26.79N 43.07W 10 5.1b,4.1s **¶620979704**
IDC VIII 10 18 58 20.1–.52 28.33N 43.82W 0 4.3b,4.3
NEIC VIII 10 18 58 21.6–1.1 28.20N–.10 43.7W–.10 10–1 5.1b,5.0
GFZ VIII 10 18 58 23.2–.16 28N–4.0 44W–2.0 10 4.9W,4.8
GCMT VIII 10 18 58 24.8–.20 28.44N–.02 43.75W–.01 12 4.9W,4.8
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108101858A. Moment Tensor Solution. s27,c31; s117,c160; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.63±.06 $M_{\theta\theta}$0.74±.07; $M_{\phi\phi}$1.90±.05; $M_{r\theta}$0.68±.27; $M_{\theta\phi}$0.89±.05; $M_{\phi r}$-0.40±.19; Best double couple: NP1:ϕ_s222.00000°,δ46.00000° ,λ-70.00000°. NP2:ϕ_s14.00000°,δ47.00000°,λ-110.00000°. Principal axes: T 2.3780,Plg0.0000°,Azm118.0000°; N 0.4590,Plg14.0000°,Azm28.0000° ; P -2.8300,Plg76.0000°,Azm210.0000° $M_0$2.60400×10^{16}
ISC VIII 14 02 27 52.2–.73 28.3N–.20 43.52W–.09 10 4.4b,3.9s 71 21-86
IDC VIII 14 02 27 50.9–.94 28.56N 43.69W 0 3.9b,3.9 **¶621013429**
NEIC VIII 14 02 27 50.5–1.8 27.74N–.05 43.4W–.10 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 08 49 34.7–.75 28.4N–.20 43.8W–.10 10 4.0b,3.5s 11 23-73
IDC VIII 12 08 49 33.1–.81 28.43N 43.76W 0 3.9b,3.9 **¶621009393**
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=19.3km az=166.0.
ISC VIII 13 22 34 47.9–.73 28.2N–.10 43.97W–.09 10 4.8b,3.9s 45 18-93
IDC VIII 13 22 34 47.0–1.3 28.05N 43.78W 0 3.8s,3.7b **¶621012244**
NEIC VIII 13 22 34 48.4–1.9 28.2N–.10 44.0W–.10 10–1 4.8b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 14 04 07 37.6–1.2 28.14N 43.86W 0 3.8s,3.5b ¶621013436
IDC Error ellipse: s-maj=35.5km s-min=30.5km az=176.0.
ISC VIII 14 12 08 40.0–.28 28.05N–.06 43.92W–.05 19 5.3b 516 18-174
MOS VIII 14 12 08 36.5–.86 28.15N 43.94W 8 5.4b **¶620986688**
IDC VIII 14 12 08 37.1–.50 28.15N 43.87W 0 4.8b,4.8
GFZ VIII 14 12 08 38.1–.12 28N–3.0 44W–3.0 10 6.3,5.3b
NEIC VIII 14 12 08 39.2–1.3 28.11N–.09 43.9W–.10 10–1 5.4b,5.3b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 20 17 51 28.6–4.1 50.46N 29.34W 0 3.2,3.1b ¶621041299
IDC Error ellipse: s-maj=105.6km s-min=54.1km az=51.0.
ISC VIII 22 13 22 25.7–.49 12.58N–.09 44.69W–.08 15 4.2b,3.6s 35 11-88
IDC VIII 22 13 22 22.8–.76 12.66N 44.48W 0 5.0L,3.8b **¶621043092**
NEIC VIII 22 13 22 26.2–2.0 12.55N–.06 44.8W–.10 10–1 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 16 55 27.5–.31 29.63N–.06 42.94W–.05 14 4.8b,4.0s 484 15-173
IDC VIII 29 16 55 24.6–.45 29.70N 42.90W 0 4.4b,4.4 **¶621010002**
NEIC VIII 29 16 55 27.3–1.1 29.69N–.09 42.9W–.10 10–1 4.9b,4.4
GFZ VIII 29 16 55 27.5–.11 30N–3.0 43W–2.0 10 4.8,4.7b
GCMT VIII 29 16 55 30.0–.20 29.67N–.03 42.79W–.01 12 4.8W,4.7b
BGR VIII 29 16 55 34.5 30.31N 42.56W 10 4.6b,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=11.0km az=156.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=15.3km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108291655A. Moment Tensor Solution. s24,c26; s104,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.13±.05 $M_{\theta\theta}$0.30±.06; $M_{\phi\phi}$1.83±.04; $M_{r\theta}$-0.26±.26; $M_{\theta\phi}$0.47±.04; $M_{\phi r}$0.73±.18; Best double couple: NP1:ϕ_s25.00000°,δ37.00000° ,λ-74.00000°. NP2:ϕ_s185.00000°,δ54.00000°,λ-102.00000°. Principal axes: T 2.0610,Plg9.0000°,Azm284.0000°; N 0.2470,Plg10.0000°,Azm192.0000° ; P -2.3040,Plg77.0000°,Azm55.0000° $M_0$2.18200×10^{16}
BGR Event type ke.
ISC VIII 31 22 02 48.5–.39 29.91N–.07 42.84W–.06 18 4.6b,3.7s 228 19-145
IDC VIII 31 22 02 45.9–.49 29.95N 42.79W 0 4.1b,4.1 **¶621012669**
NEIC VIII 31 22 02 47.3–1.4 29.9N–.10 42.77W–.05 10–1 4.7b,4.1
GFZ VIII 31 22 02 49.4–.44 30N–11 43W–4.0 10 4.5b,4.5
GCMT VIII 31 22 02 54.2–.20 29.89N–.02 42.74W–.01 12 4.9W,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108312202A. Moment Tensor Solution. s45,c52; s113,c185; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.94±.06 $M_{\theta\theta}$0.06±.06; $M_{\phi\phi}$2.89±.04; $M_{r\theta}$-0.62±.25; $M_{\theta\phi}$0.26±.05; $M_{\phi r}$0.08±.17; Best double couple: NP1:ϕ_s16.00000°,δ46.00000° ,λ-74.00000°. NP2:ϕ_s174.00000°,δ46.00000°,λ-106.00000°. Principal axes: T 2.9130,Plg0.0000°,Azm275.0000°; N 0.1580,Plg11.0000°,Azm185.0000° ; P -3.0670,Plg79.0000°,Azm6.0000° $M_0$2.99000×10^{16}
ISC VIII 31 22 24 25.1–.35 29.80N–.07 42.77W–.06 18 4.9b,4.1s 307 19-145
IDC VIII 31 22 24 22.4–.56 29.87N 42.76W 0 4.3b,4.3 **¶621012670**
NEIC VIII 31 22 24 23.6–1.5 29.8N–.10 42.7W–.10 10–1 5.0b,4.3
GFZ VIII 31 22 24 25.8–.26 30N–7.0 43W–3.0 10 4.6,4.6b
GCMT VIII 31 22 24 26.0–.20 29.89N–.02 42.73W–.01 12 4.9W,4.6b
BGR VIII 31 22 24 29.7 29.69N 42.19W 10 4.8b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=11.8km az=168.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=16.4km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108312224A. Moment Tensor Solution. s26,c29; s103,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.44±.06 $M_{\theta\theta}$0.01±.07; $M_{\phi\phi}$2.44±.05; $M_{r\theta}$-0.12±.28; $M_{\theta\phi}$0.55±.05; $M_{\phi r}$0.16±.18; Best double couple: NP1:ϕ_s16.00000°,δ44.00000° ,λ-85.00000°. NP2:ϕ_s189.00000°,δ47.00000°,λ-95.00000°. Principal axes: T 2.5620,Plg2.0000°,Azm282.0000°; N -0.1030,Plg4.0000°,Azm192.0000° ; P -2.4530,Plg86.0000°,Azm35.0000° $M_0$2.50800×10^{16}
BGR Event type ke.
ISC VIII 31 22 28 52.7–.65 29.8N–.10 42.63W–.09 14 4.5b 81 22-148
NEIC VIII 31 22 28 51.9–1.5 29.8N–.10 42.5W–.10 10–1 4.6b **¶621076649**

IDC VIII 31 22 28 51.0–.87 29.91N 42.70W 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=19.4km az=139.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.4km s-min=15.5km az=175.0.
ISC VIII 31 22 43 52.9–.62 29.8N–.10 42.7W–.10 14 4.4b 66 24-146
IDC VIII 31 22 43 50.9–1.2 29.92N 42.70W 0 3.9b,3.9 **¶621076652**
NEIC VIII 31 22 43 53.1–1.2 29.9N–.10 42.8W–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 22 53 18.3–.74 30.0N–.20 42.62W–.10 14 4.3b 38 16-89
IDC VIII 31 22 53 16.2–1.1 29.98N 42.70W 0 3.8b,3.8 **¶621076654**
NEIC VIII 31 22 53 17.8–1.0 29.9N–.10 42.6W–.10 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 22 54 50.0–.39 29.81N–.08 42.79W–.06 10 4.7b,4.1s 220 16-94
IDC VIII 31 22 54 48.5–.62 29.94N 42.72W 0 4.2b,4.2 **¶621012673**
GFZ VIII 31 22 54 50.7–.19 30N–5.0 43W–3.0 10 4.9W,4.8
NEIC VIII 31 22 54 50.1–1.5 29.9N–.10 42.74W–.05 10–1 4.8b,4.8
GCMT VIII 31 22 54 52.8–.20 29.86N–.02 42.76W–.01 13–0 4.9W,4.8
BGR VIII 31 22 54 56.1 30.29N 42.62W 10 4.6b,4.8
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=13.5km az=171.0.
GFZ Error ellipse: s-maj=11.5km s-min=5.1km az=160.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=6.7km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108312254A. Moment Tensor Solution. s34,c40; s108,c183; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.00±.15 $M_{\theta\theta}$-0.01±.09; $M_{\phi\phi}$3.01±.10; $M_{r\theta}$-0.55±.29; $M_{\theta\phi}$-0.01±.06; $M_{\phi r}$0.68±.20; Best double couple: NP1:ϕ_s9.00000°,δ39.00000° ,λ-75.00000°. NP2:ϕ_s170.00000°,δ52.00000°,λ-102.00000°. Principal axes:
T 3.0880,Plg7.0000°,Azm269.0000°; N 0.0820,Plg10.0000°,Azm178.0000°
; P -3.1690,Plg78.0000°,Azm33.0000° $M_0$3.12900×10^{16}
BGR Event type ke.
ISC VIII 31 22 57 46.3–1.6 29.9N–.30 42.8W–.10 18 4.2b 26 24-85
IDC VIII 31 22 57 43.7–3.3 29.96N 42.83W 0 4.2s,3.8b **¶621076655**
NEIC VIII 31 22 57 45.1–1.4 29.9N–.20 42.7W–.10 10–2 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 22 58 31.4–3.3 29.9N–.60 42.8W–.20 18 4.2b 22 29-89
IDC VIII 31 22 58 28.8–3.7 29.96N 42.78W 0 3.9b,3.9 **¶621076658**
NEIC VIII 31 22 58 32.7–.85 30.3N–.20 42.9W–.20 10–2 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 10 45 50.2–.47 32.43N–.09 39.86W–.08 13 4.3b 50 28-85
IDC IX 28 10 45 49.9–.74 32.44N 39.78W 0 3.9b,3.9 **¶621140827**
NEIC IX 28 10 45 49.8–1.6 32.46N–.06 39.8W–.10 10–1 4.4b,3.9
GCMT IX 28 10 45 54.4–.30 32.80N–.04 39.93W–.03 12–1 4.7W,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109281046A. Moment Tensor Solution. s15,c15; s89,c119; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.27±.11 $M_{\theta\theta}$0.23±.07; $M_{\phi\phi}$1.04±.07; $M_{r\theta}$1.19±.30; $M_{\theta\phi}$0.40±.04; $M_{\phi r}$-0.50±.19; Best double couple: NP1:ϕ_s230.00000°,δ53.00000° ,λ-49.00000°. NP2:ϕ_s355.00000°,δ53.00000°,λ-131.00000°. Principal axes:
T 1.2070,Plg0.0000°,Azm112.0000°; N 0.8500,Plg31.0000°,Azm22.0000°
; P -2.0540,Plg59.0000°,Azm203.0000° $M_0$1.63100×10^{16}
ISC IX 08 22 10 25.4–.48 50.70N–.09 29.88W–.06 10 4.3b,3.8s 117 12-153
IDC IX 08 22 10 23.8–.92 50.74N 29.93W 0 4.0L,3.9b **¶621049359**
GFZ IX 08 22 10 25.6–.31 51N–4.0 30W–4.0 10 5.9,5.8
NEIC IX 08 22 10 26.3–1.0 50.9N–.20 29.8W–.20 10–1 4.4b,5.8
BGR IX 08 22 10 28.9 50.35N 29.89W 33 4.3b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=14.6km az=3.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=16.5km az=182.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC IX 16 00 52 32.1–.66 43.10N–.09 29.03W–.10 10 4.3b,3.6s 40 6-81
IDC IX 16 00 52 31.8–1.2 43.19N 29.13W 0 4.0b,4.0 **¶621112860**
NEIC IX 16 00 52 31.6–1.9 43.08N–.08 29.0W–.10 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 20 20 49 09.5–.65 50.9N–.20 29.86W–.08 14 4.5b 62 17-150
IDC IX 20 20 49 06.9–1.0 50.76N 29.93W 0 4.0L,3.8 **¶621116005**
NEIC IX 20 20 49 09.6–1.1 50.92N–.08 29.9W–.20 10–1 4.7b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 11 04 53.1–1.1 33.0N–.30 39.8W–.20 22 3.9b 8 29-85
IDC IX 28 11 04 49.8–1.1 32.94N 39.77W 0 3.7b,3.7 **¶621140828**
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=22.7km az=160.0.
ISC IX 28 10 56 59.4–.59 32.5N–.10 39.95W–.09 13 4.4b,4.1s 61 21-122
IDC IX 28 10 56 57.9–.78 32.61N 39.94W 0 4.1b,4.1 **¶621112103**
NEIC IX 28 10 56 59.3–1.2 32.5N–.10 40.0W–.20 10–1 4.7b,4.1
GCMT IX 28 10 57 01.0–.20 32.61N–.03 40.00W–.01 12 4.8W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109281057A. Moment Tensor Solution. s25,c28; s106,c164; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.07±.06 $M_{\theta\theta}$-0.07±.06; $M_{\phi\phi}$2.14±.04; $M_{r\theta}$0.57±.29; $M_{\theta\phi}$0.26±.05; $M_{\phi r}$-0.27±.20; Best double couple: NP1:ϕ_s202.00000°,δ44.00000° ,λ-68.00000°. NP2:ϕ_s352.00000°,δ50.00000°,λ-110.00000°. Principal axes:
T 2.1810,Plg3.0000°,Azm96.0000°; N 0.0690,Plg15.0000°,Azm5.0000°
; P -2.2450,Plg74.0000°,Azm196.0000° $M_0$2.21300×10^{16}
ISC IX 28 17 38 04.6–.64 32.6N–.20 39.74W–.09 10 4.3b 53 21-170
IDC IX 28 17 38 03.0–1.6 32.57N 40.01W 0 3.8b,3.8 **¶621112327**
NEIC IX 28 17 38 05.1–2.5 32.5N–.10 39.7W–.10 10–1 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 17 38 21.6–.44 32.59N–.09 40.16W–.07 13 4.7b 121 21-170
IDC IX 28 17 38 20.4–.63 32.61N 40.05W 0 4.2b,4.2 **¶621140840**
NEIC IX 28 17 38 21.5–1.4 32.6N–.10 40.2W–.10 10–1 4.8b,4.2
GCMT IX 28 17 38 25.6–.20 32.61N–.02 40.00W–.01 12 4.9W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109281738A. Moment Tensor Solution. s21,c22; s113,c166; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.82±.07 $M_{\theta\theta}$0.48±.08; $M_{\phi\phi}$2.34±.05; $M_{r\theta}$0.61±.34; $M_{\theta\phi}$0.85±.06; $M_{\phi r}$-0.36±.23; Best double couple: NP1:ϕ_s213.00000°,δ45.00000° ,λ-72.00000°. NP2:ϕ_s9.00000°,δ48.00000°,λ-107.00000°. Principal axes:
T 2.6740,Plg1.0000°,Azm111.0000°; N 0.3030,Plg13.0000°,Azm21.0000°
; P -2.9780,Plg77.0000°,Azm207.0000° $M_0$2.82600×10^{16}
ISC IX 29 12 43 28.5–.70 19.1N–.10 46.03W–.09 15 4.2b,3.8s 40 15-100
IDC IX 29 12 43 25.8–.99 19.16N 45.92W 0 3.9b,3.9 **¶621146375**
NEIC IX 29 12 43 29.3–1.2 19.1N–.20 46.1W–.10 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 07 33 49.5–.88 45.0N–.20 28.0W–.10 14 4.0b,3.5s 19 18-154
IDC X 12 07 33 47.3–.85 44.96N 28.00W 0 4.0L,4.0b **¶621236928**
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=17.8km az=179.0.
IDC IX 29 17 51 11.7–2.9 18.71N 46.71W 0 3.3b,3.3
¶621146389
IDC Error ellipse: s-maj=119.8km s-min=32.8km az=17.0.
ISC X 02 15 57 41.5–.38 22.57N–.07 45.18W–.06 14 4.6b,3.9s 245 16-126
IDC X 02 15 57 38.9–.66 22.68N 45.12W 0 4.2b,4.2 **¶621116983**
GFZ X 02 15 57 41.4–.26 22N–7.0 45W–4.0 10 4.6b,4.6
NEIC X 02 15 57 41.7–.99 22.6N–.10 45.2W–.10 10–1 4.6b,4.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 12 13 24 13.3–.58 31.0N–.10 41.34W–.08 13 4.4b,3.7s 47 21-84
IDC X 12 13 24 11.2–.89 31.00N 41.38W 0 4.0b,4.0 **¶621236955**
NEIC X 12 13 24 13.5–.98 31.0N–.10 41.4W–.10 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 14 12 33 16.1–2.3 43.83N 28.98W 0 3.8b,3.6
¶621240639
IDC Error ellipse: s-maj=103.7km s-min=28.3km az=1.0.
ISC X 14 04 51 37.6–.50 30.9N–.10 41.16W–.08 10 4.4b,3.6s 42 30-86
IDC X 14 04 51 35.9–.81 30.84N 41.14W 0 3.8b,3.8 **¶621240620**
NEIC X 14 04 51 38.5–1.5 30.9N–.10 41.2W–.10 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 06 22 10 34.9–1.2 49.9N–.30 29.0W–.10 10 3.7b,3.1s 10 20-151
IDC XI 06 22 10 33.3–1.5 49.90N 28.95W 0 3.7b,3.7 **¶621416005**
ISC Event type se.
IDC Error ellipse: s-maj=48.2km s-min=21.6km az=2.0.
ISC XI 07 05 36 40.1–.94 50.0N–.20 29.0W–.10 10 4.0b,3.6s 12 20-151
IDC XI 07 05 36 38.6–1.0 50.01N 29.00W 0 3.7b,3.7 **¶621416021**
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=20.6km az=8.0.
ISC XI 08 13 38 41.6–.49 49.4N–.10 28.36W–.06 17 4.5b,3.3s 80 14-151
IDC XI 08 13 38 39.8–.98 49.56N 28.52W 0 3.9L,3.7b **¶621423102**
NEIC XI 08 13 38 41.2–1.2 49.5N–.20 28.4W–.20 10–1 4.6b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 07 06 42.6–.42 32.32N–.08 40.17W–.08 13 4.6b 83 21-170
IDC XI 09 07 06 40.6–.66 32.40N 40.20W 0 4.9s,4.0b **¶621385328**
NEIC XI 09 07 06 42.7–1.3 32.4N–.10 40.1W–.10 10–1 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 19 32 20.0–3.8 30.4N–.90 42.1W–.20 15 3.9b,3.5s 8 25-84
IDC XI 09 19 32 18.1–4.0 30.54N 42.08W 0 3.8b,3.8 **¶621423166**
ISC Event type se.
IDC Error ellipse: s-maj=131.4km s-min=24.8km az=176.0.
ISC XI 09 20 13 03.0–.34 32.37N–.07 40.17W–.06 13 4.8b,4.2s 178 21-170
IDC XI 09 20 13 01.5–.62 32.37N 40.27W 0 4.2b,4.1 **¶621385739**
NEIC XI 09 20 13 02.9–1.3 32.33N–.08 40.16W–.10 10–1 4.8b,4.1
GCMT XI 09 20 13 05.2–.20 32.42N–.03 40.15W–.01 12 4.9W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111092013A. Moment Tensor Solution. s31,c35; s114,c164; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.52±.06 $M_{\theta\theta}$0.26±.06; $M_{\phi\phi}$2.26±.04; $M_{r\theta}$0.23±.30; $M_{\theta\phi}$0.64±.05; $M_{\phi r}$0.45±.20; Best double couple: NP1:ϕ_s14.00000°,δ39.00000° ,λ-93.00000°. NP2:ϕ_s198.00000°,δ51.00000°,λ-87.00000°. Principal axes:
T 2.4940,Plg6.0000°,Azm286.0000°; N 0.0790,Plg2.0000°,Azm17.0000°
; P -2.5730,Plg84.0000°,Azm126.0000° $M_0$2.53300×10^{16}
ISC XI 10 13 55 46.3–.50 32.4N–.10 40.20W–.08 13 4.5b,3.9s 49 13-149
IDC XI 10 13 55 44.9–.72 32.41N 40.18W 0 4.1b,4.1 **¶621440064**
NEIC XI 10 13 55 46.2–1.1 32.4N–.10 40.2W–.10 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 10 14 56 59.2–.86 32.3N–.20 40.2W–.10 13 4.0b,3.8s 13 29-86
IDC XI 10 14 56 57.2–.93 32.33N 40.17W 0 3.9b,3.9 **¶621440066**
GCMT XI 10 14 57 02.7–.40 32.43N–.06 40.10W–.04 14–1 4.7W,3.9
GCMT XI 10 14 57 04.0 32.25N 40.25W 10 4.8s,3.9
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=19.7km az=174.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111101457A. Moment Tensor Solution. s6,c6; s72,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35±.17 $M_{\theta\theta}$0.34±.10; $M_{\phi\phi}$1.01±.10; $M_{r\theta}$0.00±.28; $M_{\theta\phi}$0.26±.05; $M_{\phi r}$-0.16±.20; Best double couple: NP1:ϕ_s201.00000°,δ41.00000°,λ-87.00000°. NP2:ϕ_s17.00000°,δ49.00000°,λ-93.00000°. Principal axes: T 1.1090,Plg4.0000°,Azm109.0000°; N 0.2520,Plg2.0000°,Azm19.0000°
; P -1.3620,Plg86.0000°,Azm261.0000° $M_0$1.23500×10^{16}
ISC XI 13 00 08 36.1–.95 49.5N–.20 28.3W–.10 17 3.7b,3.4s 11 16-151
IDC XI 13 00 08 33.6–1.1 49.55N 28.36W 0 3.5L,3.5b **¶621468569**
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=20.7km az=15.0.
ISC XI 10 13 19 50.3–.37 32.43N–.07 40.19W–.07 13 4.6b,4.0s 113 21-170
IDC XI 10 13 19 48.9–.58 32.41N 40.17W 0 4.3b,4.3 **¶621391508**
NEIC XI 10 13 19 49.7–.82 32.4N–.10 40.2W–.10 10–1 4.7b,4.3
GCMT XI 10 13 19 52.9–.30 32.53N–.05 40.14W–.03 12 4.7W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111101319A. Moment Tensor Solution. s15,c15; s80,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.31±.05 $M_{\theta\theta}$0.18±.06; $M_{\phi\phi}$1.13±.04; $M_{r\theta}$0.18±.33; $M_{\theta\phi}$0.28±.04; $M_{\phi r}$0.42±.20; Best double couple: NP1:ϕ_s13.00000°,δ35.00000° ,λ-94.00000°. NP2:ϕ_s198.00000°,δ55.00000°,λ-87.00000°. Principal axes:
T 1.2850,Plg10.0000°,Azm286.0000°; N 0.1050,Plg2.0000°,Azm16.0000°
; P -1.3920,Plg80.0000°,Azm120.0000° $M_0$1.33800×10^{16}
ISC XI 18 22 53 25.7–.92 51.2N–.20 30.0W–.10 14 3.8b,3.4s 18 17-153
IDC XI 18 22 53 23.5–1.0 51.14N 30.05W 0 3.9L,3.8b **¶621532507**
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=19.9km az=6.0.
ISC XI 26 13 39 00.1–.55 47.71N–.10 27.57W–.08 6 4.6b,3.3s 67 10-87
IDC XI 26 13 38 59.3–1.6 47.70N 27.56W 0 4.1L,3.7 **¶621622002**
NEIC XI 26 13 39 01.1–1.0 47.7N–.10 27.56W–.05 10–1 4.6b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 20 03 35 42.2–.67 46.7N–.10 27.4W–.10 16 4.5b,3.4s 36 9-153
IDC XI 20 03 35 39.8–1.5 46.72N 27.47W 0 3.8L,3.8b **¶621590335**
NEIC XI 20 03 35 41.6–1.3 46.70N–.06 27.4W–.20 10–1 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 10 01 46.5–.46 14.60N–.09 45.05W–.08 12 4.1b,3.6s 33 12-94
IDC XI 19 10 01 45.6–.69 14.68N 44.99W 0 4.4L,4.0 **¶621590278**
NEIC XI 19 10 01 46.4–1.4 14.7N–.10 45.03W–.05 10–1 4.3b,4.0
GCMT XI 19 10 01 49.2–.40 14.46N–.05 44.94W–.02 13–1 4.6W,4.0
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111191001A. Moment Tensor Solution. s16,c17; s73,c99; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.01±.10 $M_{\theta\theta}$0.08±.06; $M_{\phi\phi}$0.93±.07; $M_{r\theta}$-0.64±.21; $M_{\theta\phi}$0.01±.04; $M_{\phi r}$0.05±.14; Best double couple: NP1:ϕ_s23.00000°,δ48.00000°,λ-56.00000°. NP2:ϕ_s157.00000°,δ52.00000°,λ-122.00000°. Principal axes: T 0.9350,Plg2.0000°,Azm269.0000°; N 0.3720,Plg25.0000°,Azm179.0000°; P -1.3060,Plg65.0000°,Azm3.0000° $M_0$1.12000×10^{16}

ISC	**XI**	**19 10 31 54.6–.75**	**14.4N–.10**	**44.7W–.10**	**10**	**3.9s,3.8b**	**10**	**12-99**	
IDC	XI	19 10 31 53.3–.85	14.55N	44.60W	0	4.8L,3.9b			**¶621590281**
GCMT	XI	19 10 31 58.8–.20	14.47N–.03	45.00W–.01	12	4.8W,3.9b			
GCMT	XI	19 10 32 00.0	14.75N	44.75W	10	5.0s,3.9b			

ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=18.1km az=128.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111191032A. Moment Tensor Solution. s23,c26; s96,c140;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.71±.05 $M_{\theta\theta}$-0.15±.05; $M_{\phi\phi}$1.86±.04; $M_{r\theta}$-0.73±.23; $M_{\theta\phi}$-0.01±.04; $M_{\phi r}$0.45±.14; Best double couple: NP1:ϕ_s19.00000°,δ41.00000°,λ-58.00000°. NP2:ϕ_s159.00000°,δ56.00000°,λ-115.00000°. Principal axes: T 1.9220,Plg8.0000°,Azm267.0000°; N 0.1210,Plg20.0000°,Azm174.0000°; P -2.0410,Plg68.0000°,Azm17.0000° $M_0$1.98200×10^{16}

ISC	**XII**	**25 11 35 25.3–4.2**	**23.3N–.90**	**45.2W–.30**	**15**	**3.7b**	**6**	**20-91**	
IDC	XII	25 11 35 22.7–4.5	23.26N	45.13W	0	3.7b,3.7			**¶621700150**

ISC Event type se.
IDC Error ellipse: s-maj=138.2km s-min=40.4km az=178.0.

ISC	**XII**	**10 06 33 10.1–2.1**	**31.0N–.50**	**41.2W–.20**	**10**	**3.7b,3.5s**	**6**	**30-98**	
IDC	XII	10 06 33 08.6–2.4	31.04N	41.14W	0	3.7b,3.7			**¶621644107**

ISC Event type se.
IDC Error ellipse: s-maj=82.5km s-min=29.2km az=20.0.

IDC	**XII**	**20 12 31 06.7–5.0**	**26.79N**	**44.48W**	**0**	**3.5b,3.5**			**¶621685610**

IDC Error ellipse: s-maj=135.8km s-min=53.7km az=169.0.

ISC	**XII**	**20 12 50 38.3–3.4**	**30.1N–.70**	**42.1W–.20**	**10**	**3.6b,3.4s**	**8**	**25-89**	
IDC	XII	20 12 50 36.0–3.6	29.95N	42.04W	0	3.5b,3.5			**¶621685612**

ISC Event type se.
IDC Error ellipse: s-maj=111.1km s-min=29.2km az=176.0.

ISC	**XII**	**25 11 59 13.1–.51**	**23.1N–.10**	**44.97W–.07**	**21**	**4.4b,3.8s**	**88**	**19-96**	
IDC	XII	25 11 59 10.3–.93	23.15N	44.95W	0	4.2b,4.2			**¶621653373**
NEIC	XII	25 11 59 12.1–.83	23.1N–.10	44.94W–.09	10–1	4.7b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**26 05 05 38.3–.75**	**23.7N–.10**	**45.1W–.10**	**15**	**4.2b,3.6s**	**25**	**20-84**	
IDC	XII	26 05 05 34.5–4.2	23.44N	44.89W	0	4.0b,4.0			**¶621700195**
NEIC	XII	26 05 05 38.4–.76	23.68N–.07	45.1W–.20	10–1	4.3b,4.0			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**26 06 28 57.1–.37**	**52.35N–.08**	**31.78W–.05**	**10**	**4.5b,3.8s**	**266**	**15-149**	
IDC	XII	26 06 28 55.6–.51	52.43N	31.76W	0	4.6L,4.2			**¶621653496**
GFZ	XII	26 06 28 56.4–.16	52N–5.0	32W–2.0	0	5.6b,5.1			
NEIC	XII	26 06 28 57.3–.82	52.41N–.07	31.8W–.10	10–1	4.6b,5.1			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**27 07 20 11.7–1.1**	**31.6N–.20**	**40.9W–.20**	**14**	**3.9s,3.8b**	**9**	**44-171**	
IDC	XII	27 07 20 09.6–1.2	31.56N	40.89W	0	3.7b,3.7			**¶621717296**

ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=23.7km az=157.0.

ISC	**XII**	**28 23 34 34.5–.89**	**10.7N–.20**	**41.3W–.10**	**10**	**3.7b,3.6s**	**11**	**13-100**	
IDC	XII	28 23 34 33.6–1.0	10.89N	41.18W	0	5.2L,3.8b			**¶621717425**

ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=16.4km az=149.0.

ISC	**XII**	**29 23 20 25.7–.71**	**23.8N–.20**	**45.9W–.10**	**10**	**4.0b**	**26**	**17-91**	
IDC	XII	29 23 20 24.1–.93	23.75N	45.94W	0	4.2s,3.8b			**¶621724264**
NEIC	XII	29 23 20 26.3–1.7	23.86N–.09	46.0W–.10	10–1	4.5b,3.8b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(404) Azores Islands region.

ISC	**VII**	**03 01 11 18.2–1.1**	**37.9N–.10**	**32.1W–.10**	**10**	**3.4s,3.4b**	**9**	**2-73**	
IDC	VII	03 01 11 16.8–1.3	37.84N	32.10W	0	3.5b,3.5			**¶620927782**

ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=23.1km az=165.0.

ISC	**VII**	**08 03 22 51.7–1.1**	**35.6N–.30**	**34.5W–.20**	**17**	**3.6b,3.5s**	**8**	**24-82**	
IDC	VII	08 03 22 49.1–1.1	35.64N	34.55W	0	3.6b,3.6			**¶620928153**

ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=20.7km az=152.0.

ISC	**VII**	**17 01 25 52.4–.76**	**37.3N–.10**	**32.71W–.09**	**13**	**4.4b,4.1s**	**58**	**2-85**	
IDC	VII	17 01 25 50.1–.98	37.19N	32.82W	0	4.1s,3.9b			**¶620928742**
NEIC	VII	17 01 25 52.2–1.6	37.38N–.09	32.60W–.04	10–1	4.5b,3.9b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**24 03 59 56.4–3.1**	**41.37N–.05**	**29.17W–.05**	**18–19**	**4.7b,3.9s**	**189**	**2-157**	
IDC	VII	24 03 59 53.7–.60	41.52N	29.31W	0	4.3L,4.0b			**¶620845594**
NEIC	VII	24 03 59 56.0–2.1	41.48N–.02	29.3W–.10	10–1	4.8b,4.0b			
GFZ	VII	24 03 59 56.0–.21	41N–5.0	29W–3.0	10	4.5b,4.5			
GFZ	VII	24 03 59 56.2	41.43N	29.25W	13	4.7W,4.5			
SVSA	VII	24 03 59 58.4–1.8	41.51N	29.08W	10	3.8L,4.5			

ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=13.1km az=160.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=4.2km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.67 $M_{\theta\theta}$0.45 $M_{\phi\phi}$1.21 $M_{r\theta}$-0.14 $M_{\theta\phi}$-0.19 $M_{\phi r}$-0.07 NP1: ϕ_s162.38569°,δ44.42700°,λ-95.96622°. NP2:ϕ_s350.71130°,δ45.87642°,λ-84.18257°. Principal axes: T 1.2597,Plg0.7266°,Azm76.6010°; N 0.4171,Plg4.1725°,Azm166.6540°; P -1.6768,Plg85.7645°,Azm336.7403° $M_0$1.51205×10^{16}
INMG Event type ke. Error ellipse: s-maj=12.2km s-min=7.1km az=85.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Crista Mdia AtIntico N.

IDC	**X**	**18 09 48 11.5–1.9**	**38.25N**	**31.45W**	**0**	**3.6s,3.4**			**¶621244023**

IDC Error ellipse: s-maj=33.9km s-min=21.5km az=123.0.

ISC	**IX**	**10 11 34 48.7–.54**	**35.9N–.10**	**34.59W–.07**	**10**	**4.3b,3.8s**	**69**	**4-94**	
IDC	IX	10 11 34 48.0–1.1	35.83N	34.48W	0	3.9b,3.9			**¶621108511**
NEIC	IX	10 11 34 49.2–1.0	35.95N–.08	34.6W–.10	10–1	4.5b,3.9			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**09 02 22 57.8–.89**	**38.33N–.09**	**31.5W–.10**	**10**	**3.8b,3.7s**	**15**	**1-86**	
IDC	VIII	09 02 22 56.3–.91	38.31N	31.48W	0	3.7b,3.7			**¶621007217**

ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=15.2km az=128.0.

ISC	**IX**	**21 02 12 36.3–.80**	**37.33N–.08**	**20.84W–.04**	**10**		**48**	**3-12**	
INMG	IX	21 02 12 54.7–4.2	37.52N	20.51W	157	3.2L			**¶621883412**
SVSA	IX	21 02 12 57.7–1.2	37.18N	21.25W	9	3.6L			

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=20.1km s-min=18.4km az=165.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Dorsal Acores-Gibraltar.
INMG Event type ke. Error ellipse: s-maj=12.1km s-min=8.5km az=4.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Falha de GLORIA.

ISC	**IX**	**02 14 17 55.9–.44**	**41.97N–.07**	**29.46W–.05**	**10**	**4.3b,4.0s**	**200**	**3-124**	
IDC	IX	02 14 17 54.7–.78	42.21N	29.41W	0	4.0b,4.0			**¶621023699**
NEIC	IX	02 14 17 55.4–2.0	41.84N–.08	29.4W–.10	10–1	4.7b,4.0			
GFZ	IX	02 14 17 56.5–.22	42N–4.0	29W–3.0	10	4.4b,4.4			
GCMT	IX	02 14 17 58.6–.20	42.16N–.02	29.34W–.01	12	4.8W,4.4			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109021417A. Moment Tensor Solution. s49,c63; s111,c164; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.18±.04 $M_{\theta\theta}$0.20±.05; $M_{\phi\phi}$1.99±.04; $M_{r\theta}$0.29±.19; $M_{\theta\phi}$-0.16±.04; $M_{\phi r}$0.43±.16; Best double couple: NP1:ϕ_s348.00000°,δ40.00000°,λ-102.00000°. NP2:ϕ_s183.00000°,δ51.00000°,λ-80.00000°. Principal axes: T 2.0430,Plg6.0000°,Azm266.0000°; N 0.2250,Plg7.0000°,Azm357.0000°; P -2.2630,Plg81.0000°,Azm140.0000° $M_0$2.15300×10^{16}

ISC	**IX**	**11 10 50 09.2–.81**	**36.2N–.20**	**33.23W–.08**	**10**	**4.1b,3.8s**	**22**	**6-65**	
IDC	IX	11 10 50 07.6–1.2	36.28N	33.30W	0	3.8s,3.6b			**¶621108579**
NEIC	IX	11 10 50 10.2–1.2	36.3N–.20	33.23W–.06	10–2	4.4b,3.6b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SVSA	**IX**	**18 18 17 37.2–.81**	**36.94N**	**21.09W**	**10**	**3.8L**			**¶622033766**

INMG Event type ke. Error ellipse: s-maj=13.5km s-min=7.1km az=169.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Falha Gloria.

ISC	**X**	**18 09 52 06.3–1.3**	**38.4N–.10**	**31.4W–.20**	**10**	**3.3b**	**8**	**1-59**	
IDC	X	18 09 52 05.1–1.5	38.41N	31.44W	0	3.3,3.2b			**¶621244024**

ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=15.8km az=121.0.

IDC	**XI**	**22 11 42 44.9–6.1**	**36.95N**	**32.47W**	**0**	**3.8b,3.8**			**¶621611908**

IDC Error ellipse: s-maj=183.1km s-min=35.5km az=170.0.

ISC	**X**	**19 06 02 06.5–1.6**	**37.55N–.07**	**24.70W–.09**	**32–10**		**24**	**0-8**	
SVSA	X	19 06 02 08.3–1.5	37.54N	24.65W	5	3.5L			**¶622033878**

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=9.4km s-min=3.2km az=70.0. #DIST_RANGE: LOCAL #IPMA_REGION: Fossa da Povoao.

ISC	**XI**	**10 11 02 11.0–.42**	**36.73N–.08**	**33.46W–.05**	**10**	**4.9b,4.3s**	**213**	**4-102**	
IDC	XI	10 11 02 08.8–.63	36.63N	33.49W	0	4.4b,4.4			**¶621385927**
GFZ	XI	10 11 02 11.5–.40	37N–9.0	33W–3.0	10	6.1b,5.8			
NEIC	XI	10 11 02 11.5–1.8	36.8N–.10	33.4W–.10	10–1	5.1b,5.8			
GCMT	XI	10 11 02 12.2–.20	36.78N–.01	33.37W–.01	12	4.8W,5.8			
INMG	XI	10 11 02 38.0–4.6	36.93N	31.09W	10	4.0,5.8			

ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=12.9km az=162.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=16.7km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111101102A. Moment Tensor Solution. s38,c43; s118,c169; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.26±.06 $M_{\theta\theta}$-1.31±.07; $M_{\phi\phi}$1.57±.06; $M_{r\theta}$0.43±.17; $M_{\theta\phi}$1.76±.05; $M_{\phi r}$0.08±.16; Best double couple: NP1:ϕ_s341.00000°,δ79.00000°,λ-176.00000°. NP2:ϕ_s250.00000°,δ87.00000°,λ-11.00000°. Principal axes: T 2.4280,Plg5.0000°,Azm296.0000°; N -0.2180,Plg78.0000°,Azm53.0000°; P -2.2090,Plg10.0000°,Azm205.0000° $M_0$2.31900×10^{16}
INMG Event type ke. #DIST_RANGE: DISTANT.

ISC	**XI**	**14 16 32 44.0–.52**	**37.10N–.08**	**23.97W–.05**	**10**	**3.9b**	**63**	**1-157**	
IDC	XI	14 16 32 43.5–.79	37.12N	23.84W	0	3.7b,3.7			**¶621468712**
SVSA	XI	14 16 32 48.1–1.4	36.96N	23.96W	15	4.1L,3.7			

ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=18.0km az=17.0.
INMG Event type ke. Error ellipse: s-maj=9.0km s-min=5.5km az=63.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Falha de Gloria.

ISC	**XI**	**14 23 50 13.9–.50**	**40.44N–.06**	**29.12W–.06**	**10**	**4.4b,3.9s**	**69**	**2-87**	
IDC	XI	14 23 50 12.0–.96	40.63N	29.31W	0	3.9s,3.7b			**¶621468755**
NEIC	XI	14 23 50 14.8–1.3	40.60N–.08	29.1W–.10	10–1	4.6b,3.7b			
GCMT	XI	14 23 50 15.7–.30	40.86N–.04	29.26W–.03	19–1	4.8W,3.7b			
SVSA	XI	14 23 50 15.5–1.4	40.62N	29.19W	10	4.0L,3.7b			

ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=22.0km az=159.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=11.1km az=231.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111142350A. Moment Tensor Solution. s19,c20; s83,c110; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.55±.13 $M_{\theta\theta}$0.22±.08; $M_{\phi\phi}$1.33±.08; $M_{r\theta}$0.94±.21; $M_{\theta\phi}$0.28±.05; $M_{\phi r}$0.13±.15; Best double couple: NP1:ϕ_s356.00000°,δ41.00000°,λ-124.00000°. NP2:ϕ_s218.00000°,δ57.00000°,λ-64.00000°. Principal axes: T 1.4490,Plg8.0000°,Azm289.0000°; N 0.5040,Plg22.0000°,Azm22.0000°; P -1.9530,Plg67.0000°,Azm180.0000° $M_0$1.70100×10^{16}
INMG Event type ke. Error ellipse: s-maj=8.9km s-min=5.8km az=86.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Crista Mdia AtIntico N.

ISC	**XII**	**31 00 58 33.5–.38**	**37.71N–.06**	**31.79W–.05**	**15**	**4.8b,4.2s**	**340**	**2-161**	
INMG	XII	31 00 58 19.0–5.4	36.09N	33.37W	10	4.6,4.4b			**¶621657646**
IDC	XII	31 00 58 30.6–.69	37.62N	31.83W	0	4.3b,4.3			
NEIC	XII	31 00 58 32.6–1.4	37.65N–.07	31.8W–.10	10–1	5.0b,4.3			
GCMT	XII	31 00 58 33.5–.20	37.57N–.02	31.75W–.02	12	4.9W,4.3			
GFZ	XII	31 00 58 34.3–.23	38N–6.0	32W–2.0	10	5.3b,4.9W			

ISC Event type ke.
INMG Event type ke. #DIST_RANGE: DISTANT.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112310058A. Moment Tensor Solution. s37,c43; s116,c179; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.85±.06 $M_{\theta\theta}$1.11±.06; $M_{\phi\phi}$1.75±.04; $M_{r\theta}$-0.90±.23; $M_{\theta\phi}$1.30±.04; $M_{\phi r}$0.16±.20; Best double couple: NP1:ϕ_s205.00000°,δ42.00000°,λ-111.00000°. NP2:ϕ_s52.00000°,δ51.00000°,λ-72.00000°. Principal axes: T 2.8030,Plg5.0000°,Azm129.0000°; N 0.2920,Plg14.0000°,Azm221.0000°; P -3.0860,Plg75.0000°,Azm22.0000° $M_0$2.94500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(405) Azores Islands.

SVSA	**VII**	**05 04 19 33.0–.78**	**37.66N**	**25.28W**	**12–8**	**1.1L**			**¶626533386**

INMG Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=174.0. #DIST_RANGE: LOCAL #IPMA_REGION: N Banco Grande Norte.

SVSA	**VII**	**05 04 20 10.3–1.1**	**37.64N**	**25.27W**	**6–6**	**1.9L**			**¶626333081**

INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=178.0. #DIST_RANGE: LOCAL #IPMA_REGION: N Banco Grande Norte.

SVSA	**VII**	**08 00 21 50.5–.92**	**37.64N**	**25.26W**	**12–12**	**1.5L**			**¶626533387**

INMG Event type ke. Error ellipse: s-maj=6.3km s-min=5.8km az=178.0. #DIST_RANGE: LOCAL #IPMA_REGION: N Banco Grande Norte.

SVSA	**VII**	**08 00 21 56.9–1.3**	**37.69N**	**25.26W**	**4–3**	**1.7L**			**¶626333093**

INMG Event type ke. Error ellipse: s-maj=8.0km s-min=2.7km az=163.0. #DIST_RANGE: LOCAL #IPMA_REGION: S Macio das Furnas.

SVSA	**VII**	**14 22 07 47.9–1.2**	**38.73N**	**29.24W**	**1**	**1.6L**			**¶626533388**

INMG Event type ke. Error ellipse: s-maj=14.6km s-min=8.2km az=30.0. #DIST_RANGE: LOCAL #IPMA_REGION: W Faial.

SVSA	**VII**	**14 22 08 27.7–.99**	**38.77N**	**29.23W**	**1–9**	**1.5L**			**¶626333113**

INMG Event type ke. Error ellipse: s-maj=13.7km s-min=7.3km az=54.0. #DIST_RANGE: LOCAL #IPMA_REGION: W Faial.

SVSA	**VII**	**22 06 56 03.5–1.2**	**38.75N**	**26.99W**	**5**	**1.9L**			

¶626533389

INMG Event type ke. Error ellipse: s-maj=8.7km s-min=7.0km az=91.0. #DIST_RANGE: LOCAL #IPMA_REGION: E Terceira.
SVSA VII 22 06 56 17.9–.69 38.75N 27.04W 6–8 1.5L

¶626333136

INMG Event type ke. Error ellipse: s-maj=6.4km s-min=3.3km az=76.0. #DIST_RANGE: LOCAL #IPMA_REGION: SE Terceira.
ISC VIII 19 21 21 08.1–1.7 39.76N–.08 29.64W–.06 15–12 3.9b,3.3s 28 1-75
IDC VIII 19 21 21 06.2–1.5 39.80N 29.65W 0 3.8L,3.7b **¶621039219**
SVSA VIII 19 21 21 08.9–.94 40.03N 29.74W 15 2.7L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=61.8km s-min=14.5km az=162.0.
INMG Event type ke. Error ellipse: s-maj=9.5km s-min=4.7km az=73.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Crista Mdia Atlntico N.
ISC VIII 21 21 41 06.1–2.2 39.73N–.07 29.44W–.06 22–17 3.7b,3.5s 45 1-75
IDC VIII 21 21 41 03.5–.96 40.01N 29.58W 0 3.7L,3.7b **¶621043022**
SVSA VIII 21 21 41 04.6–1.1 39.92N 29.75W 10 3.3L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=15.3km az=173.0.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=4.3km az=68.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Crista Mdia Atlntico N.
ISC X 31 19 36 12.5–.61 38.7N–.10 30.07W–.07 10 4.1b,3.8s 32 4-92
NEIC X 31 19 36 12.3–1.8 38.7N–.20 30.1W–.10 10–1 4.2b,3.8s **¶621395268**
IDC X 31 19 36 12.9–1.1 38.80N 30.58W 0 3.9b,3.9
GCMT X 31 19 36 16.3–.40 38.59N–.03 30.39W–.02 12 4.7W,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110311936A. Moment Tensor Solution. s4,c5; s87,c114; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21±.05 $M_{\theta\theta}$-0.77±.06; $M_{\phi\phi}$0.97±.04; $M_{r\theta}$0.24±.16; $M_{\theta\phi}$0.78±.05; $M_{\phi r}$0.94±.18; Best double couple: NP1:ϕ_s71.00000°,δ62.00000° ,λ11.00000°. NP2:ϕ_s336.00000°,δ81.00000°,λ152.00000°. Principal axes: T 1.7480,Plg26.0000°,Azm290.0000°; N -0.6600,Plg61.0000°,Azm139.0000° ; P -1.0870,Plg12.0000°,Azm26.0000° $M_0$1.41700×10^{16}
SVSA VIII 22 12 31 47.4–.86 38.73N 27.20W 1–11 1.0L

¶626715615

INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=72.0. #DIST_RANGE: LOCAL #IPMA_REGION: Caldeira Guilherme Moniz.
SVSA VIII 22 12 32 08.2–1.2 38.72N 27.19W 3–3 2.5L

¶621196143

INMG Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=62.0. #DIST_RANGE: LOCAL #IPMA_REGION: Caldeira Guilherme Moniz.
ISC X 24 12 26 46.3–1.1 38.11N–.08 26.20W–.05 24–11 3.9b 61 0-74
IDC X 24 12 26 41.8–5.3 37.25N 25.97W 0 4.3L,3.8b **¶621366393**
SVSA X 24 12 26 48.7–1.1 38.07N 26.19W 2–3 3.7L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=102.9km s-min=77.8km az=22.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=1.1km az=36.0. #DIST_RANGE: LOCAL #IPMA_REGION: Fossa de Hirondelle #FELT: III (MM56) at S.Miguel:P. Bretanha (Ponta Delgada).
SVSA XI 18 00 48 14.6–1.3 38.62N 28.58W 12–5 1.8L

¶622041397

INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=173.0. #DIST_RANGE: LOCAL #IPMA_REGION: NE Ribeirinha (Faial).
ISC XI 07 18 16 39.6–1.8 39.18N–.07 29.67W–.05 6–11 4.2b,3.5s 76 1-159
IDC XI 07 18 16 39.4–2.3 39.08N 29.67W 0 4.0b,3.9 **¶621416046**
NEIC XI 07 18 16 40.4–2.1 39.1N–.10 29.7W–.10 10–1 4.5b,3.9
SVSA XI 07 18 16 42.4–1.4 39.40N 29.87W 15 4.2L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=79.9km s-min=21.9km az=172.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=15.8km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=9.1km s-min=5.9km az=50.0. #DIST_RANGE: LOCAL #IPMA_REGION: Crista Mdia Atlntico N.
ISC XI 10 21 20 22.6–2.5 39.21N–.09 29.49W–.09 15–13 3.9b,3.3s 39 1-99
SVSA XI 10 21 20 21.4–1.6 39.37N 29.86W 15 3.6L,3.3s **¶621440082**
IDC XI 10 21 20 25.3–17 40.47N 29.71W 0 3.8b,3.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=9.5km s-min=6.7km az=49.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Crista Mdia Atlntico N.
IDC Error ellipse: s-maj=432.4km s-min=66.4km az=25.0.
ISC XI 22 09 45 27.6–.94 39.82N–.09 29.5W–.10 11 4.0b,3.4s 19 1-75
IDC XI 22 09 45 26.4–1.2 40.05N 29.52W 0 3.9L,3.8b **¶621611900**
SVSA XI 22 09 45 29.1–1.2 40.04N 29.61W 15 3.3L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=49.3km s-min=20.7km az=12.0.
INMG Event type ke. Error ellipse: s-maj=28.8km s-min=8.4km az=71.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Crista Mdia Atlntico N.
ISC XI 30 12 50 54.4–3.0 39.85N–.09 29.51W–.06 2–19 3.9b 33 1-74
SVSA XI 30 12 50 54.6–1.1 40.19N 29.67W 10 3.0L **¶621627058**
IDC XI 30 12 50 54.6–.86 39.97N 29.67W 0 4.3s,3.8b
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=11.1km s-min=5.3km az=76.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Crista Mdia Atlntico N.
IDC Error ellipse: s-maj=34.1km s-min=14.0km az=165.0.

(406) Central Mid-Atlantic Ridge.

ISC VII 04 03 53 41.7–.39 0.66S–.07 20.82W–.07 10 4.4b,3.9s 155 10-148
IDC VII 04 03 53 40.8–.60 0.61S 20.68W 0 4.1L,4.0b **¶620733502**
GFZ VII 04 03 53 41.7–.18 1S–4.0 21W–4.0 10 4.5b,4.5
NEIC VII 04 03 53 43.2–1.9 0.64S–.09 20.80W–.08 10–1 4.6b,4.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 03 27 40.3–.53 0.9N–.10 27.3W–.10 10 4.0b,3.6s 28 11-151
IDC VII 24 03 27 39.0–.71 0.87N 27.12W 0 4.0L,3.9b **¶620970193**
NEIC VII 24 03 27 41.7–2.2 0.9N–.10 27.4W–.10 10–1 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 13 35 21.2–.56 0.8N–.10 28.4W–.10 7 4.6b,3.6s 38 16-152
IDC VIII 15 13 35 19.7–.73 0.85N 28.44W 0 4.2b,4.2 **¶621023611**
NEIC VIII 15 13 35 22.8–2.1 0.79N–.09 28.5W–.10 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 08 10 08 00.9–.76 0.4N–.20 24.9W–.10 10 4.0b,3.5s 13 13-152
IDC VIII 08 10 07 59.6–.76 0.49N 24.97W 0 3.7b,3.7 **¶621002124**
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=22.6km az=144.0.
ISC IX 02 20 25 24.1–.82 3.7N–.30 31.5W–.30 10 4.0b,3.8s 9 20-126
GCMT IX 02 20 25 20.0 3.75N 31.25W 10 4.8s,3.8s **¶621080702**
IDC IX 02 20 25 22.6–.86 3.64N 31.49W 0 4.0b,4.0
GCMT IX 02 20 25 29.8–.50 3.72N–.05 31.30W–.04 22–1 4.8W,4.0
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202109022025A. Moment Tensor Solution. s18,c22; s67,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.79±.17 $M_{\theta\theta}$0.65±.10; $M_{\phi\phi}$1.13±.10; $M_{r\theta}$-0.63±.19; $M_{\theta\phi}$-0.44±.07; $M_{\phi r}$-0.76±.15; Best double couple: NP1:ϕ_s136.00000°,δ41.00000°,λ-120.00000°. NP2:ϕ_s353.00000°,δ56.00000°,λ-67.00000°. Principal axes: T 1.4360,Plg8.0000°,Azm66.0000°; N 0.7160,Plg19.0000°,Azm159.0000° ; P -2.1600,Plg69.0000°,Azm315.0000° $M_0$1.79800×10^{16}
ISC VIII 19 23 26 59.4–.60 0.6N–.10 29.13W–.09 10 4.4b,3.6s 50 17-152
IDC VIII 19 23 26 58.1–.86 0.68N 29.17W 0 3.9b,3.9 **¶621039227**
NEIC VIII 19 23 27 00.2–1.3 0.6N–.10 29.1W–.10 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 20 00 34 00.7–.55 0.8N–.10 29.14W–.08 16 4.6b,3.4s 63 17-98
IDC VIII 20 00 33 58.4–1.5 0.88N 29.20W 0 4.0b,4.0 **¶621041232**
NEIC VIII 20 00 34 00.6–1.3 0.79N–.09 29.12W–.07 10–1 4.8b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 01 13 50 10.5–.27 1.41S–.05 24.14W–.05 10 5.2s,5.1b 500 12-151
IDC IX 01 13 50 09.0–.45 1.40S 24.07W 0 5.0s,4.3b **¶621013622**
MOS IX 01 13 50 09.8–1.2 1.18S 24.38W 10 5.3b,4.9s
ISC-P IX 01 13 50 10 1.24S 24.15W 31–7 5.8,4.9s
NEIC IX 01 13 50 10.4–.83 1.24S–.08 24.15W–.08 10–1 5.7,5.6
IPGP IX 01 13 50 12.0 1.11S 24.28W 12 5.8W,5.6
NEIC IX 01 13 50 12.2 1.11S 24.28W 10 5.8W,5.6
GFZ IX 01 13 50 14.3–.12 1S–3.0 24W–3.0 10 5.2,4.9b
GFZ IX 01 13 50 14.2 1.05S 24.39W 15 5.8W,4.9b
GCMT IX 01 13 50 15.2–.10 1.14S 24.28W 14–0 5.7W,4.9b
ISC Event type ke.
IDC Error ellipse: s-maj=16.2km s-min=11.6km az=143.0.
MOS Error ellipse: s-maj=10.7km s-min=6.7km az=52.1.
ISC-P Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.09 $M_{\theta\theta}$0.47±.19; $M_{\phi\phi}$-0.47±.16; $M_{r\theta}$-0.10±.20; $M_{\theta\phi}$-0.08±.13; $M_{\phi r}$0.51±.14; NP1:ϕ_s200.90000°,δ85.20000° ,λ171.10000°. NP2:ϕ_s291.60000°,δ81.10000°,λ4.90000°. $M_0$5.82000×10^{17}
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=10.9km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.14 $M_{\theta\theta}$-0.42 $M_{\phi\phi}$0.28 $M_{r\theta}$-0.58 $M_{\theta\phi}$-3.52 $M_{\phi r}$0.19 NP1:ϕ_s272.61000°,δ87.04000°,λ170.38000°. NP2:ϕ_s3.11000°,δ80.39000° ,λ3.00000°. Principal axes: T 3.5486,Plg9.0000°,Azm227.0000°; N 0.0821,Plg80.0000° ,Azm76.0000°; P -3.6307,Plg5.0000°,Azm318.0000° $M_0$3.59000×10^{17}
IPGP Moment Tensor Solution. NP1:ϕ_s271.00000°,δ80.00000°,λ-177.00000°. NP2:ϕ_s181.00000° ,δ87.00000°,λ-10.00000°.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.31 $M_{\theta\theta}$1.23 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.19 $M_{\theta\phi}$-5.12 $M_{\phi r}$-1.33 NP1: ϕ_s353.90771°,δ89.29525°,λ-14.49791°. NP2:ϕ_s84.08993°,δ75.50321°,λ-179.27207°. Principal axes: T 5.5566,Plg9.6896°,Azm39.9205°; N -0.3101,Plg75.4853°,Azm171.1843° ; P -5.2465,Plg10.7022°,Azm308.0713° $M_0$5.40818×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109011350A. Moment Tensor Solution. s138,c296; s154,c339;Duration: 197 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72±.03 $M_{\theta\theta}$0.61±.04; $M_{\phi\phi}$0.10±.04; $M_{r\theta}$1.06±.09; $M_{\theta\phi}$-4.42±.04; $M_{\phi r}$-0.22±.07; Best double couple: NP1: ϕ_s179.00000°,δ77.00000°,λ0.00000°. NP2:ϕ_s269.00000°,δ90.00000°,λ-167.00000°. Principal axes: T 4.9350,Plg9.0000°,Azm43.0000°; N -0.7700,Plg77.0000°,Azm270.0000° ; P -4.1660,Plg10.0000°,Azm134.0000° $M_0$4.55100×10^{17}
IDC IX 05 07 44 23.5–1.7 0.79S 29.19W 0 3.9b,3.9

¶621086389

IDC Error ellipse: s-maj=173.5km s-min=27.4km az=157.0.
ISC IX 28 01 44 05.7–.35 8.05N–.06 38.73W–.06 14 4.5b,3.8s 113 11-98
IDC IX 28 01 44 03.7–.49 8.11N 38.60W 0 4.2b,4.1 **¶621111200**
NEIC IX 28 01 44 06.1–1.6 8.11N–.07 38.69W–.08 10–1 4.7b,4.1
GCMT IX 28 01 44 09.3–.30 8.18N–.02 38.63W–.02 22–1 4.8W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109280144A. Moment Tensor Solution. s22,c24; s81,c120; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.37±.12 $M_{\theta\theta}$-0.23±.09; $M_{\phi\phi}$0.60±.08; $M_{r\theta}$-0.14±.13; $M_{\theta\phi}$-1.82±.07; $M_{\phi r}$0.34±.12; Best double couple: NP1:ϕ_s276.00000°,δ81.00000° ,λ177.00000°. NP2:ϕ_s6.00000°,δ87.00000°,λ9.00000°. Principal axes: T 2.1030,Plg8.0000° ,Azm232.0000°; N -0.4150,Plg81.0000°,Azm23.0000°; P -1.6870,Plg4.0000°,Azm141.0000° $M_0$1.89500×10^{16}
ISC IX 10 03 40 15.7–.95 8.7N–.20 39.5W–.10 15 4.0b,3.5s 7 14-79
IDC IX 10 03 40 13.7–1.1 8.62N 39.28W 0 3.9b,3.9 **¶621108481**
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=21.2km az=151.0.
ISC X 03 20 26 43.2–.64 7.48N–.09 37.2W–.10 10 4.3b,3.4s 35 11-72
IDC X 03 20 26 42.9–1.4 7.66N 37.03W 0 3.9b,3.9 **¶621186148**
NEIC X 03 20 26 44.5–2.3 7.58N–.05 37.4W–.10 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 30 17 24 04.2–.56 0.7N–.10 25.35W–.09 12 4.5b,3.5s 30 12-150
IDC X 30 17 24 03.8–1.1 0.60N 25.36W 0 4.0b,4.0 **¶621395188**
NEIC X 30 17 24 04.3–1.9 0.6N–.10 25.38W–.05 10–1 4.8b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 09 22 04 37.5–.59 0.04S–.08 18.40W–.10 14 4.3b,3.5s 29 9-147
IDC X 09 22 04 35.4–.83 0.02N 18.48W 0 4.5L,4.1 **¶621235352**
NEIC X 09 22 04 37.8–1.8 0.2S–.10 18.3W–.20 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 04 00 06 42.1–.54 7.62N–.10 36.89W–.09 20 4.8b,3.6s 39 11-87
IDC XII 04 00 06 40.0–.98 7.75N 37.06W 0 3.9b,3.9 **¶621630626**
NEIC XII 04 00 06 41.6–1.1 7.6N–.10 36.9W–.10 10–1 4.9b,3.9
GCMT XII 04 00 06 44.2–.40 7.77N–.03 36.92W–.02 25–1 4.8W,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040006A. Moment Tensor Solution. s24,c28; s69,c86; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.05±.11 $M_{\theta\theta}$-0.18±.10; $M_{\phi\phi}$0.23±.08; $M_{r\theta}$0.50±.20; $M_{\theta\phi}$-2.00±.08; $M_{\phi r}$-0.10±.17; Best double couple: NP1:ϕ_s183.00000°,δ76.00000° ,λ1.00000°. NP2:ϕ_s93.00000°,δ89.00000°,λ166.00000°. Principal axes: T 2.1140,Plg11.0000°,Azm47.0000°; N -0.0790,Plg76.0000°,Azm268.0000° ; P -2.0350,Plg9.0000°,Azm139.0000° $M_0$2.07400×10^{16}
ISC XI 25 13 25 20.4–.57 0.6S–.10 22.64W–.09 10 4.3b 32 11-150
IDC XI 25 13 25 18.5–.91 0.70S 22.72W 0 4.5L,4.2 **¶621618705**
NEIC XI 25 13 25 21.2–1.5 0.6S–.10 22.6W–.10 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 11 12 52 43.9–.73 3.1N–.10 32.9W–.20 10 3.8b 11 9-97
IDC XII 11 12 52 42.8–.74 3.25N 32.96W 0 3.8b,3.8 **¶621644190**
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=14.2km az=121.0.
ISC XII 21 06 15 13.1–.34 7.08N–.06 34.57W–.07 10 4.8b,4.1s 253 12-160
IDC XII 21 06 15 11.5–.56 7.10N 34.64W 0 4.1b,4.1 **¶621635042**
NEIC XII 21 06 15 13.0–1.1 7.12N–.07 34.48W–.10 10–1 4.9b,4.1
GFZ XII 21 06 15 14.3–.15 7N–5.0 35W–5.0 10 4.8b,4.8
GCMT XII 21 06 15 16.4–.20 7.24N–.01 34.43W–.01 15–1 4.9W,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112210615A. Moment Tensor Solution. s47,c60; s114,c187; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.67±.08 $M_{\theta\theta}$0.40±.08; $M_{\phi\phi}$0.26±.07; $M_{r\theta}$0.07±.14; $M_{\theta\phi}$-3.12±.08; $M_{\phi r}$-0.35±.13; Best double couple: NP1:ϕ_s89.00000°,δ83.00000° ,λ-179.00000°. NP2:ϕ_s359.00000°,δ89.00000°,λ-7.00000°. Principal axes: T 3.4770,Plg4.0000°,Azm45.0000°; N -0.6710,Plg83.0000°,Azm172.0000° ; P -2.8050,Plg5.0000°,Azm314.0000° $M_0$3.14100×10^{16}
ISC XII 24 04 35 01.8–1.6 7.9N–.10 39.4W–.20 10 3.5b,3.4s 11 11-76
IDC XII 24 04 34 59.6–2.6 8.02N 39.09W 0 3.7,3.5L **¶621700068**

ISC Event type se.
IDC Error ellipse: s-maj=61.1km s-min=29.7km az=144.0.

(407) North of Ascension Island.

ISC	**VII**	**13 20 54 59.7–.47**	**1.08S–.07**	**13.0W–.10**	**11**	**4.5b,3.6s**	**64**	**7-142**
IDC	VII	13 20 54 58.4–.64	1.06S	13.04W	0	4.3b,4.3		**¶620823837**
NEIC	VII	13 20 55 00.3–1.6	1.04S–.08	12.9W–.10	10–1	4.9b,4.3		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**14 02 45 48.6–.39**	**4.92S–.07**	**11.53W–.07**	**18**	**4.8b,4.5s**	**236**	**4-118**
IDC	VII	14 02 45 46.1–.58	4.96S	11.49W	0	4.5b,4.5		**¶620823853**
NEIC	VII	14 02 45 47.6–1.3	4.97S–.08	11.59W–.09	10–1	5.0b,4.5		
GFZ	VII	14 02 45 48.2–.23	5S–4.0	11W–4.0	10	4.8b,4.8		
GCMT	VII	14 02 45 51.4–.30	4.90S–.02	11.65W–.02	12–1	4.8W,4.8		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107140245A. Moment Tensor Solution. s19,c19; s100,c136; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.95±.14 $M_{\theta\theta}$1.64±.11; $M_{\phi\phi}$-0.68±.09; $M_{r\theta}$1.30±.31; $M_{\theta\phi}$-1.51±.07; $M_{\phi r}$0.07±.23; Best double couple: NP1:ϕ_s158.00000°,δ48.00000° ,λ-19.00000°. NP2:ϕ_s261.00000°,δ76.00000°,λ-136.00000°. Principal axes: T 2.7420,Plg18.0000°,Azm23.0000°; N -0.7600,Plg45.0000°,Azm275.0000° ; P -1.9810,Plg40.0000°,Azm129.0000° $M_0$2.36100×10^{16}							
ISC	**VII**	**25 13 09 02.6–.49**	**0.27S–.09**	**16.44W–.09**	**10**	**4.3b,3.9s**	**55**	**8-145**
IDC	VII	25 13 09 02.1–.97	0.28S	16.41W	0	4.0b,4.0		**¶620973766**
NEIC	VII	25 13 09 03.5–2.3	0.2S–.10	16.5W–.10	10–1	4.9b,4.0		
GCMT	VII	25 13 09 05.2–.40	0.44S–.04	16.11W–.02	17–1	4.9W,4.0		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107251309A. Moment Tensor Solution. s16,c17; s88,c115; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.40±.20 $M_{\theta\theta}$0.26±.11; $M_{\phi\phi}$2.14±.13; $M_{r\theta}$-0.48±.38; $M_{\theta\phi}$-0.75±.08; $M_{\phi r}$0.13±.27; Best double couple: NP1:ϕ_s350.00000°,δ42.00000° ,λ-76.00000°. NP2:ϕ_s151.00000°,δ49.00000°,λ-102.00000°. Principal axes: T 2.4190,Plg3.0000°,Azm250.0000°; N 0.0670,Plg9.0000°,Azm160.0000° ; P -2.4850,Plg80.0000°,Azm360.0000° $M_0$2.45200×10^{16}							
IDC	**VIII**	**04 10 11 35.4–9.7**	**0.92S**	**11.97W**	**0**	**3.8b,3.7**		**¶620997303**
IDC	Error ellipse: s-maj=247.6km s-min=96.6km az=167.0.							
ISC	**VII**	**28 06 14 47.0–1.4**	**0.3S–.20**	**16.0W–.40**	**10**	**4.2b,3.4s**	**8**	**8-145**
IDC	VII	28 06 14 45.0–1.4	0.23S	16.07W	0	4.0b,4.0		**¶620979597**
ISC	Event type se.							
IDC	Error ellipse: s-maj=56.6km s-min=25.3km az=97.0.							
ISC	**IX**	**02 04 28 30.2–.42**	**1.50S–.07**	**15.53W–.08**	**12**	**4.7b,4.0s**	**62**	**6-144**
IDC	IX	02 04 28 28.0–.59	1.48S	15.58W	0	4.7L,4.2b		**¶621024221**
NEIC	IX	02 04 28 31.2–1.1	1.56S–.08	15.57W–.10	10–1	4.9b,4.2b		
GCMT	IX	02 04 28 34.5–.20	1.33S–.01	15.56W–.01	17–1	4.9W,4.2b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109020428A. Moment Tensor Solution. s38,c48; s105,c164; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.08 $M_{\theta\theta}$1.26±.07; $M_{\phi\phi}$-1.04±.07; $M_{r\theta}$0.54±.20; $M_{\theta\phi}$-2.19±.07; $M_{\phi r}$0.52±.18; Best double couple: NP1:ϕ_s165.00000°,δ75.00000° ,λ-9.00000°. NP2:ϕ_s257.00000°,δ81.00000°,λ-165.00000°. Principal axes: T 2.5970,Plg4.0000°,Azm31.0000°; N -0.0110,Plg72.0000°,Azm288.0000° ; P -2.5880,Plg17.0000°,Azm122.0000° $M_0$2.59300×10^{16}							
ISC	**VIII**	**21 21 12 48.3–1.2**	**1.1S–.20**	**13.3W–.40**	**10**	**4.2b**	**11**	**7-89**
IDC	VIII	21 21 12 46.5–1.4	0.86S	13.78W	0	4.0b,4.0		**¶621043020**
ISC	Event type se.							
IDC	Error ellipse: s-maj=59.2km s-min=21.9km az=114.0.							
ISC	**IX**	**01 22 51 36.0–.28**	**1.63S–.05**	**15.43W–.05**	**12**	**5.0b,4.7s**	**601**	**6-143**
BGR	IX	01 22 51 33.3	2.15S	15.13W	10	4.9b,4.7s		**¶621022448**
MOS	IX	01 22 51 33.7–.97	1.51S	15.46W	10	5.3b,4.7s		
IDC	IX	01 22 51 34.8–.44	1.55S	15.45W	0	4.8L,4.6s		
NEIC	IX	01 22 51 36	1.61S	15.49W	10	4.8L,4.6s		
NEIC	IX	01 22 51 36.1–.94	1.51S–.08	15.51W–.09	10–1	5.4,5.3		
GFZ	IX	01 22 51 37.0	1.69S	15.44W	12	5.4W,5.3		
GFZ	IX	01 22 51 37.5–.19	2S–4.0	16W–5.0	10	5.0,4.9b		
GCMT	IX	01 22 51 39.7–.10	1.34S–.01	15.59W–.01	12	5.4W,4.9b		
ISC	Event type ke.							
BGR	Event type ke.							
NEIC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.10 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-0.57 $M_{r\theta}$-0.25 $M_{\theta\phi}$-1.15 $M_{\phi r}$0.28 NP1:ϕ_s256.69000°,δ75.22000°,λ171.32000°. NP2:ϕ_s348.92000° ,δ81.61000°,λ14.94000°. Principal axes: T 1.3245,Plg16.0000°,Azm213.0000° ; N -0.0020,Plg73.0000°,Azm18.0000°; P -1.3225,Plg4.0000°,Azm122.0000° $M_0$1.32000×10^{17}							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.29 $M_{r\theta}$-0.04 $M_{\theta\phi}$-1.32 $M_{\phi r}$-0.02 NP1: ϕ_s352.75875°,δ88.04728°,λ-1.02862°. NP2:ϕ_s82.79380°,δ88.97198°,λ-178.04697°. Principal axes: T 1.4108,Plg0.6536°,Azm217.7643°; N -0.0956,Plg87.7930°,Azm110.5445° ; P -1.3152,Plg2.1079°,Azm307.7883° $M_0$1.36555×10^{17}							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109012251A. Moment Tensor Solution. s121,c220; s148,c311;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13±.01 $M_{\theta\theta}$0.73±.01; $M_{\phi\phi}$-0.60±.02; $M_{r\theta}$0.63±.04; $M_{\theta\phi}$-1.43±.01; $M_{\phi r}$0.21±.04; Best double couple: NP1: ϕ_s167.00000°,δ67.00000°,λ-4.00000°. NP2:ϕ_s258.00000°,δ86.00000°,λ-157.00000°. Principal axes: T 1.7390,Plg13.0000°,Azm30.0000°; N -0.0480,Plg67.0000°,Azm268.0000° ; P -1.6920,Plg19.0000°,Azm125.0000° $M_0$1.71600×10^{17}							
IDC	**XI**	**05 18 30 18.7–2.9**	**0.62S**	**15.96W**	**0**	**3.8s,3.7b**		**¶621413986**
GCMT	XI	05 18 30 24.0	0.25S	16.25W	10	4.8s,3.7b		
GCMT	XI	05 18 30 28.1–.40	0.27S–.05	16.06W–.02	20–1	4.8W,3.7b		
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111051830A. Moment Tensor Solution. s15,c15; s74,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.16±.19 $M_{\theta\theta}$0.34±.11; $M_{\phi\phi}$1.82±.12; $M_{r\theta}$0.55±.26; $M_{\theta\phi}$-0.18±.08; $M_{\phi r}$0.60±.20; Best double couple: NP1:ϕ_s342.00000°,δ39.00000°,λ-110.00000°. NP2:ϕ_s187.00000°,δ54.00000°,λ-75.00000°. Principal axes: T 1.9150,Plg8.0000°,Azm266.0000°; N 0.4540,Plg12.0000°,Azm358.0000° ; P -2.3700,Plg75.0000°,Azm145.0000° $M_0$2.14300×10^{16}							
IDC	**X**	**07 06 10 18.6–3.7**	**0.23N**	**16.89W**	**0**	**4.0,3.9L**		**¶621217192**
IDC	Error ellipse: s-maj=169.6km s-min=23.7km az=138.0.							
ISC	**X**	**31 04 08 38.0–.50**	**0.90S–.09**	**13.2W–.10**	**11**	**4.3b,3.8s**	**39**	**7-142**
IDC	X	31 04 08 36.8–.72	0.86S	13.20W	0	4.1b,4.1		**¶621395220**
NEIC	X	31 04 08 38.6–2.4	0.97S–.09	13.3W–.10	10–1	4.6b,4.1		
GCMT	X	31 04 08 41.0–.30	0.79S–.02	13.31W–.02	24–1	4.8W,4.1		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110310408A. Moment Tensor Solution. s24,c29; s97,c122; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.12 $M_{\theta\theta}$1.11±.10; $M_{\phi\phi}$-0.63±.09; $M_{r\theta}$0.33±.12; $M_{\theta\phi}$-1.78±.07; $M_{\phi r}$-0.16±.12; Best double couple: NP1:ϕ_s167.00000°,δ83.00000° ,λ4.00000°. NP2:ϕ_s77.00000°,δ86.00000°,λ173.00000°. Principal axes: T 2.2670,Plg8.0000° ,Azm32.0000°; N -0.5210,Plg82.0000°,Azm226.0000°; P -1.7490,Plg2.0000°,Azm122.0000° $M_0$2.00800×10^{16}							
ISC	**IX**	**16 00 59 14.7–2.0**	**1.8S–.20**	**16.6W–.40**	**10**	**3.9b**	**8**	**6-144**
IDC	IX	16 00 59 13.6–2.6	1.74S	16.53W	0	3.7b,3.7		**¶621112861**
ISC	Event type se.							
IDC	Error ellipse: s-maj=74.8km s-min=33.3km az=80.0.							
ISC	**X**	**08 07 13 31.4–.46**	**0.03S–.08**	**17.72W–.08**	**10**	**4.4b,3.9s**	**51**	**8-146**
IDC	X	08 07 13 30.3–.65	0.04N	17.79W	0	5.3L,4.0b		**¶621143977**
NEIC	X	08 07 13 31.9–1.7	0.1S–.10	17.68W–.10	10–1	4.7b,4.0b		
GCMT	X	08 07 13 35.2–.30	0.01N–.02	17.83W–.02	16–1	4.8W,4.0b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110080713A. Moment Tensor Solution. s14,c14; s90,c115; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.25±.08 $M_{\theta\theta}$0.72±.07; $M_{\phi\phi}$-0.46±.07; $M_{r\theta}$-0.16±.21; $M_{\theta\phi}$-1.54±.07; $M_{\phi r}$0.70±.20; Best double couple: NP1:ϕ_s260.00000°,δ66.00000° ,λ-176.00000°. NP2:ϕ_s168.00000°,δ86.00000°,λ-24.00000°. Principal axes: T 1.9110,Plg14.0000°,Azm216.0000°; N -0.2130,Plg65.0000°,Azm340.0000° ; P -1.6990,Plg20.0000°,Azm121.0000° $M_0$1.80500×10^{16}							
ISC	**IX**	**15 09 36 44.6–.33**	**1.42S–.07**	**15.93W–.06**	**12**	**4.9b,4.7s**	**325**	**7-144**
NEIC	IX	15 09 36 37.7	1.39S	15.94W	12	5.2,4.7s		**¶621076034**
IDC	IX	15 09 36 41.8–.47	1.37S	15.95W	0	4.6s,4.5b		
GFZ	IX	15 09 36 45.0	1.41S	15.97W	12	5.2W,4.5b		
NEIC	IX	15 09 36 45.4	1.39S	15.94W	10	5.2W,4.5b		
GFZ	IX	15 09 36 45.6–.20	1S–4.0	16W–5.0	10	5.5b,5.5		
NEIC	IX	15 09 36 45.5–1.2	1.4S–.10	15.93W–.09	10–1	5.1b,5.5		
GCMT	IX	15 09 36 45.5–.10	1.36S–.01	15.92W–.01	12	5.2W,5.5		
ISC	Event type se.							
NEIC	Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.41 $M_{\theta\theta}$1.69 $M_{\phi\phi}$4.73 $M_{r\theta}$3.07 $M_{\theta\phi}$-1.87 $M_{\phi r}$0.33 NP1:ϕ_s171.02000°,δ42.72000° ,λ-61.51000°. NP2:ϕ_s314.57000°,δ53.39000°,λ-113.77000°. Principal axes: T 5.7160,Plg6.0000°,Azm61.0000°; N 1.7994,Plg19.0000°,Azm329.0000° ; P -7.5155,Plg70.0000°,Azm167.0000° $M_0$6.80000×10^{16}							
GFZ	smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.15 $M_{\theta\theta}$0.76 $M_{\phi\phi}$5.39 $M_{r\theta}$2.46 $M_{\theta\phi}$-1.65 $M_{\phi r}$2.00 NP1: ϕ_s183.33354°,δ54.45001°,λ-64.33387°. NP2:ϕ_s323.75971°,δ42.83351°,λ-121.22011°. Principal axes: T 6.0458,Plg6.1668°,Azm255.3918°; N 1.3491,Plg20.6339°,Azm347.7236° ; P -7.3949,Plg68.3827°,Azm149.5693° $M_0$6.82111×10^{16}							
NEIC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109150936A. Moment Tensor Solution. s81,c110; s137,c248;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73±.01 $M_{\theta\theta}$0.23±.01; $M_{\phi\phi}$0.50±.01; $M_{r\theta}$0.27±.04; $M_{\theta\phi}$-0.30±.01; $M_{\phi r}$-0.08±.03; Best double couple: NP1: ϕ_s159.00000°,δ38.00000°,λ-71.00000°. NP2:ϕ_s315.00000°,δ54.00000°,λ-105.00000°. Principal axes: T 0.7280,Plg8.0000°,Azm55.0000°; N 0.0740,Plg12.0000°,Azm324.0000° ; P -0.8020,Plg76.0000°,Azm180.0000° $M_0$0.76500×10^{17}							
ISC	**IX**	**25 08 12 04.5–.62**	**2.0S–.10**	**12.4W–.10**	**10**	**4.3b,3.6s**	**26**	**6-141**
IDC	IX	25 08 12 04.3–1.1	1.92S	12.42W	0	3.9b,3.9		**¶621131443**
NEIC	IX	25 08 12 05.5–2.1	1.9S–.10	12.4W–.10	10–1	4.6b,3.9		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**25 08 45 25.2–.65**	**0.8S–.10**	**13.18W–.10**	**11**	**4.2b,3.6s**	**25**	**7-94**
IDC	IX	25 08 45 24.5–2.6	0.81S	13.24W	0	3.9b,3.9		**¶621131445**
NEIC	IX	25 08 45 25.4–2.0	0.79S–.07	13.2W–.10	10–1	4.3b,3.9		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XI**	**11 00 28 51.1–.39**	**2.52S–.08**	**12.32W–.08**	**10**	**4.7b,3.7s**	**124**	**6-140**
NEIC	XI	11 00 28 50.7–1.4	2.6S–.10	12.11W–.10	10–1	4.9b,3.7s		**¶621392742**
IDC	XI	11 00 28 50.3–.59	2.44S	12.18W	0	4.1b,4.1		
GFZ	XI	11 00 28 52.8–.22	3S–5.0	13W–6.0	10	6.9b,6.8		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
IDC	**XII**	**13 05 47 11.2–6.5**	**4.29S**	**10.81W**	**0**	**3.8,3.7b**		**¶621650557**
IDC	Error ellipse: s-maj=300.3km s-min=62.8km az=133.0.							

(408) Ascension Island region.

ISC	**VII**	**07 17 37 26.8–1.9**	**11.6S–.30**	**12W–2.0**	**10**	**4.0b,3.4s**	**7**	**4-85**
IDC	VII	07 17 37 24.2–2.0	11.47S	12.37W	0	3.9b,3.9		**¶620928132**
ISC	Event type se.							
IDC	Error ellipse: s-maj=247.8km s-min=22.7km az=98.0.							
ISC	**VII**	**08 08 15 18.6–1.6**	**11.7S–.20**	**15.4W–.70**	**10**	**4.2b,3.6s**	**12**	**3-97**
IDC	VII	08 08 15 18.3–2.1	11.88S	14.87W	0	4.2,4.1b		**¶620928162**
ISC	Event type se.							
IDC	Error ellipse: s-maj=136.0km s-min=19.9km az=103.0.							
GCMT	**VII**	**27 11 18 18.6–.40**	**6.36S–.04**	**11.38W–.03**	**18–1**	**4.8W**		
GCMT	VII	27 11 18 24.0	6.25S	11.25W	10	4.8s		**¶621401457**
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202107271118A. Moment Tensor Solution. s19,c19; s75,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.50±.16 $M_{\theta\theta}$0.29±.09; $M_{\phi\phi}$1.20±.10; $M_{r\theta}$0.27±.23; $M_{\theta\phi}$-0.27±.05; $M_{\phi r}$-1.13±.23; Best double couple: NP1:ϕ_s164.00000°,δ25.00000°,λ-92.00000°. NP2:ϕ_s346.00000°,δ65.00000°,λ-89.00000°. Principal axes: T 1.6950,Plg20.0000°,Azm75.0000°; N 0.2210,Plg1.0000°,Azm166.0000° ; P -1.9220,Plg70.0000°,Azm258.0000° $M_0$1.80800×10^{16}							
ISC	**IX**	**29 01 14 32.8–.60**	**11.50S–.07**	**13.7W–.10**	**20**	**4.4b,3.9s**	**39**	**3-99**
IDC	IX	29 01 14 30.7–1.1	11.51S	13.64W	0	3.9b,3.9		**¶621146350**
NEIC	IX	29 01 14 31.9–1.2	11.48S–.08	13.6W–.10	10–1	4.7b,3.9		
GCMT	IX	29 01 14 34.9–.30	11.74S–.02	14.05W–.01	21–1	4.9W,3.9		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109290114A. Moment Tensor Solution. s34,c37; s102,c139; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.36±.12 $M_{\theta\theta}$-0.83±.10; $M_{\phi\phi}$1.19±.10; $M_{r\theta}$-0.91±.17; $M_{\theta\phi}$2.32±.09; $M_{\phi r}$1.00±.18; Best double couple: NP1:ϕ_s75.00000°,δ66.00000° ,λ-15.00000°. NP2:ϕ_s171.00000°,δ77.00000°,λ-156.00000°. Principal axes: T 2.7520,Plg7.0000°,Azm301.0000°; N 0.2440,Plg62.0000°,Azm198.0000° ; P -2.9990,Plg27.0000°,Azm35.0000° $M_0$2.87600×10^{16}							
IDC	**XI**	**24 07 38 43.3–2.5**	**6.43S**	**11.48W**	**0**	**4.0b,4.0**		
GCMT	XI	24 07 38 48.0	6.75S	11.25W	10	4.9s,4.0		**¶621613967**
GCMT	XI	24 07 38 56.4–.20	6.50S–.03	11.28W–.02	14–1	4.8W,4.0		
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111240738A. Moment Tensor Solution. s24,c27; s121,c154;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.12±.13 $M_{\theta\theta}$0.32±.07; $M_{\phi\phi}$1.81±.09; $M_{r\theta}$0.22±.18; $M_{\theta\phi}$-0.49±.05; $M_{\phi r}$-0.81±.20; Best double couple: NP1:ϕ_s163.00000°,δ34.00000°,λ-91.00000°. NP2:ϕ_s344.00000° ,δ56.00000°,λ-89.00000°. Principal axes: T 2.1200,Plg11.0000°,Azm74.0000° ; N 0.1720,Plg0.0000°,Azm164.0000°; P -2.2850,Plg79.0000°,Azm256.0000° $M_0$2.20300×10^{16}							
ISC	**XII**	**21 14 25 55.0–.53**	**11.61S–.08**	**13.37W–.09**	**20**	**4.6b,3.9s**	**30**	**4-99**
IDC	XII	21 14 25 53.1–1.2	11.56S	13.38W	0	4.1b,4.1		**¶621685691**
NEIC	XII	21 14 25 54.2–1.1	11.61S–.04	13.38W–.09	10–1	4.8b,4.1		
GCMT	XII	21 14 25 57.4–.20	11.62S–.01	13.46W–.01	30–0	5.0W,4.1		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112211425A. Moment Tensor Solution. s37,c46; s107,c154; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.12±.17 $M_{\theta\theta}$-1.05±.12; $M_{\phi\phi}$2.17±.14; $M_{r\theta}$-1.13±.17; $M_{\theta\phi}$3.81±.10; $M_{\phi r}$0.18±.16; Best double couple: NP1:ϕ_s170.00000°,δ72.00000° ,λ-169.00000°. NP2:ϕ_s77.00000°,δ79.00000°,λ-18.00000°. Principal axes: T 4.7360,Plg5.0000°,Azm124.0000°; N -0.7750,Plg69.0000°,Azm227.0000° ; P -3.9610,Plg20.0000°,Azm32.0000° $M_0$4.34800×10^{16}							
GCMT	**XII**	**23 02 37 48.7–.40**	**11.90S–.04**	**13.44W–.03**	**34–1**	**4.9W**		
GCMT	XII	23 02 37 44.0	11.75S	13.25W	10	4.8s		**¶622267363**

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202112230237A. Moment Tensor Solution. s13,c14; s72,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.31±.28 $M_{\theta\theta}$-2.21±.19; $M_{\phi\phi}$1.89±.20; $M_{r\theta}$-0.43±.16; $M_{\theta\phi}$2.25±.12; $M_{\phi r}$-0.44±.19; Best double couple: NP1:ϕ_s158.00000°,δ79.00000°,λ174.00000°. NP2:ϕ_s249.00000°,δ84.00000°,λ11.00000°. Principal axes: T 3.0090,Plg12.0000°,Azm114.0000°; N 0.2010,Plg77.0000°,Azm277.0000° ; P -3.2170,Plg4.0000°,Azm23.0000° $M_0$3.11300×10^{16}

(409) South Atlantic Ocean.

IDC	**X**	**22 15 04 42.8–10**	**45.21S**	**7.09E**	**0**				**¶621309328**
IDC		Error ellipse: s-maj=35.1km s-min=7.6km az=26.0.							

(410) Southern Mid-Atlantic Ridge.

ISC	**VII**	**17 07 27 26.6–.40**	**20.43S–.08**	**12.07W–.08**	**10**	**4.6b,3.8s**	**58**	**7-150**	
IDC	VII	17 07 27 26.0–.57	20.11S	12.20W	0	4.0b,4.0			**¶620928757**
NEIC	VII	17 07 27 26.8–1.3	20.5S–.10	12.12W–.10	10–1	4.9b,4.0			
GCMT	VII	17 07 27 28.3–.10	20.06S–.01	11.89W–.01	12	5.1W,4.0			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107170727A. Moment Tensor Solution. s58,c75; s144,c231; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.26±.07 $M_{\theta\theta}$0.22±.07; $M_{\phi\phi}$4.03±.07; $M_{r\theta}$2.80±.28; $M_{\theta\phi}$-0.74±.06; $M_{\phi r}$-2.88±.24; Best double couple: NP1:ϕ_s185.00000°,δ28.00000° ,λ-57.00000°. NP2:ϕ_s328.00000°,δ67.00000°,λ-106.00000°. Principal axes: T 5.4460,Plg21.0000°,Azm70.0000°; N 0.6850,Plg15.0000°,Azm335.0000° ; P -6.1390,Plg64.0000°,Azm212.0000° $M_0$5.79200×10^{16}							
ISC	**VII**	**17 08 25 31.9–.39**	**19.82S–.08**	**11.89W–.07**	**16**	**4.8b,4.0s**	**69**	**7-149**	
IDC	VII	17 08 25 29.6–.53	19.86S	11.83W	0	4.2b,4.2			**¶620913601**
NEIC	VII	17 08 25 31.6–.87	19.86S–.10	11.86W–.09	10–1	4.9b,4.2			
GCMT	VII	17 08 25 33.3–.20	19.93S–.02	11.95W–.01	14–1	4.9W,4.2			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107170825A. Moment Tensor Solution. s26,c30; s111,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.32±.16 $M_{\theta\theta}$-0.25±.09; $M_{\phi\phi}$2.57±.12; $M_{r\theta}$1.78±.26; $M_{\theta\phi}$-0.31±.06; $M_{\phi r}$-0.92±.20; Best double couple: NP1:ϕ_s196.00000°,δ38.00000° ,λ-46.00000°. NP2:ϕ_s326.00000°,δ64.00000°,λ-118.00000°. Principal axes: T 2.8850,Plg14.0000°,Azm76.0000°; N 0.5310,Plg25.0000°,Azm339.0000° ; P -3.4130,Plg61.0000°,Azm193.0000° $M_0$3.14900×10^{16}							
ISC	**VII**	**21 02 07 17.2–.40**	**15.27S–.09**	**13.24W–.07**	**10**	**4.9b,4.5s**	**78**	**6-147**	
IDC	VII	21 02 07 16.8–.66	15.25S	13.21W	0	4.5s,4.2b			**¶620961620**
NEIC	VII	21 02 07 17.6–1.4	15.3S–.10	13.19W–.09	10–1	4.9b,4.2b			
GCMT	VII	21 02 07 23.5–.20	15.41S–.01	13.35W–.01	12	5.1W,4.2b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107210207A. Moment Tensor Solution. s58,c72; s133,c235; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.04±.09 $M_{\theta\theta}$0.64±.09; $M_{\phi\phi}$4.40±.09; $M_{r\theta}$2.21±.29; $M_{\theta\phi}$-1.38±.08; $M_{\phi r}$-3.45±.28; Best double couple: NP1:ϕ_s170.00000°,δ26.00000° ,λ-75.00000°. NP2:ϕ_s333.00000°,δ65.00000°,λ-97.00000°. Principal axes: T 6.2650,Plg20.0000°,Azm68.0000°; N 0.3050,Plg7.0000°,Azm336.0000° ; P -6.5730,Plg69.0000°,Azm228.0000° $M_0$6.41900×10^{16}							
ISC	**VII**	**21 02 38 36.0–.74**	**15.3S–.20**	**13.2W–.10**	**10**	**4.4b,3.6s**	**24**	**6-147**	
IDC	VII	21 02 38 34.7–1.5	15.25S	13.10W	0	4.1b,4.1			**¶620961622**
NEIC	VII	21 02 38 36.6–1.4	15.28S–.05	13.2W–.10	10–1	4.6b,4.1			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**21 18 42 34.2–.49**	**45.0S–.10**	**15.3W–.10**	**10**	**4.4b,4.2s**	**49**	**27-150**	
IDC	VII	21 18 42 33.0–.67	44.87S	15.41W	0	4.1b,4.1			**¶620961677**
NEIC	VII	21 18 42 34.2–1.9	45.02S–.07	15.2W–.20	10–1	4.6b,4.1			
GCMT	VII	21 18 42 35.3–.30	45.44S–.04	15.04W–.03	21–1	5.0W,4.1			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107211842A. Moment Tensor Solution. s21,c21; s87,c106; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.91±.23 $M_{\theta\theta}$0.50±.15; $M_{\phi\phi}$2.40±.15; $M_{r\theta}$-2.70±.34; $M_{\theta\phi}$-0.84±.10; $M_{\phi r}$0.04±.24; Best double couple: NP1:ϕ_s356.00000°,δ37.00000° ,λ-46.00000°. NP2:ϕ_s126.00000°,δ64.00000°,λ-118.00000°. Principal axes: T 2.9860,Plg15.0000°,Azm236.0000°; N 1.4240,Plg25.0000°,Azm139.0000° ; P -4.4180,Plg61.0000°,Azm354.0000° $M_0$3.70200×10^{16}							
ISC	**VII**	**28 11 06 14.1–.29**	**41.92S–.06**	**16.18W–.06**	**10**	**5.2b,4.6s**	**314**	**26-159**	
IDC	VII	28 11 06 12.6–.45	41.79S	16.11W	0	4.5b,4.5			**¶620857219**
NEIC	VII	28 11 06 13.7–1.3	42.0S–.10	16.0W–.10	10–1	5.3b,5.2			
GFZ	VII	28 11 06 16.2–.19	42S–5.0	16W–3.0	10	5.0,4.9b			
SVSA	VII	28 11 06 16.0–9.7	42.30S	16.47W	10	5.6b,5.3W			
GCMT	VII	28 11 06 16.4–.10	41.86S–.01	16.24W–.01	12	5.1W,5.3W			
GFZ	VII	28 11 06 16.1	41.81S	16.08W	10	5.2W,5.3W			
ISC		Event type se.							
IDC		Error ellipse: s-maj=15.8km s-min=15.2km az=64.0.							
NEIC		Event type se. Error ellipse: s-maj=17.7km s-min=16.9km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
INMG		Event type ke. #DIST_RANGE: DISTANT.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107281106A. Moment Tensor Solution. s65,c86; s143,c244; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.14±.09 $M_{\theta\theta}$0.80±.09; $M_{\phi\phi}$5.34±.08; $M_{r\theta}$-0.34±.33; $M_{\theta\phi}$-1.59±.07; $M_{\phi r}$2.30±.29; Best double couple: NP1:ϕ_s340.00000°,δ35.00000° ,λ-95.00000°. NP2:ϕ_s166.00000°,δ56.00000°,λ-87.00000°. Principal axes: T 6.2670,Plg10.0000°,Azm253.0000°; N 0.3210,Plg3.0000°,Azm344.0000° ; P -6.5840,Plg79.0000°,Azm89.0000° $M_0$6.42500×10^{16}							
GFZ		smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-8.07 $M_{\theta\theta}$3.09 $M_{\phi\phi}$4.97 $M_{r\theta}$2.20 $M_{\theta\phi}$-1.53 $M_{\phi r}$-2.29 NP1: ϕ_s153.10436°,δ33.10624°,λ-83.51970°. NP2:ϕ_s325.38211°,δ57.13214°,λ-94.20887°. Principal axes: T 6.4885,Plg12.0383°,Azm58.4238°; N 2.2847,Plg3.5342°,Azm327.6692° ; P -8.7732,Plg77.4387°,Azm221.5769° $M_0$7.88320×10^{16}							
ISC	**VII**	**23 19 24 28.7–.39**	**47.40S–.08**	**12.53W–.09**	**10**	**4.8b,3.8s**	**84**	**17-156**	
IDC	VII	23 19 24 27.2–.54	47.33S	12.38W	0	4.4b,4.3			**¶620845489**
NEIC	VII	23 19 24 29.2–1.3	47.5S–.10	12.4W–.20	10–1	5.0b,4.3			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**09 01 40 14.3–1.2**	**56.7S–.10**	**6.0W–.20**	**10**	**4.0b**	**13**	**14-149**	
IDC	VIII	09 01 40 12.3–1.2	56.35S	5.64W	0	4.5L,4.0			**¶621007215**
ISC		Event type se.							
IDC		Error ellipse: s-maj=44.6km s-min=23.6km az=60.0.							
ISC	**VIII**	**02 03 28 30.6–.38**	**47.06S–.07**	**11.08W–.07**	**10**	**5.0b,4.2s**	**164**	**10-153**	
IDC	VIII	02 03 28 28.5–.60	46.96S	11.11W	0	4.3b,4.3			**¶620925864**
NEIC	VIII	02 03 28 30.9–1.5	47.1S–.10	11.1W–.10	10–1	5.1b,4.3			
GFZ	VIII	02 03 28 31.4–.18	47S–3.0	11W–3.0	10	5.0b,5.0			
GCMT	VIII	02 03 28 35.5–.30	47.21S–.02	10.82W–.02	14–1	4.9W,5.0			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108020328A. Moment Tensor Solution. s18,c19; s106,c150; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.99±.16 $M_{\theta\theta}$2.39±.15; $M_{\phi\phi}$-1.40±.12; $M_{r\theta}$0.58±.28; $M_{\theta\phi}$-2.61±.10; $M_{\phi r}$-0.44±.30; Best double couple: NP1:ϕ_s72.00000°,δ81.00000° ,λ177.00000°. NP2:ϕ_s162.00000°,δ87.00000°,λ9.00000°. Principal axes: T 3.8260,Plg8.0000°,Azm27.0000°; N -1.0890,Plg80.0000°,Azm179.0000° ; P -2.7400,Plg4.0000°,Azm297.0000° $M_0$3.28300×10^{16}							
ISC	**VIII**	**09 01 54 02.3–.49**	**56.59S–.08**	**6.14W–.10**	**10**	**4.9b,3.9s**	**88**	**14-159**	
IDC	VIII	09 01 54 01.0–.88	56.55S	6.44W	0	4.7L,4.3			**¶620976526**
NEIC	VIII	09 01 54 02.2–1.5	56.6S–.10	6.1W–.20	10–1	5.0b,4.3			
GFZ	VIII	09 01 54 03.5–.59	57S–7.0	6W–10	10	4.8b,4.8			
GCMT	VIII	09 01 54 06.3–.40	56.72S–.03	6.03W–.03	12–2	4.9W,4.8			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108090154A. Moment Tensor Solution. s10,c10; s81,c96; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.34±.09 $M_{\theta\theta}$-0.95±.13; $M_{\phi\phi}$0.61±.09; $M_{r\theta}$1.47±.41; $M_{\theta\phi}$1.74±.08; $M_{\phi r}$0.83±.30; Best double couple: NP1:ϕ_s343.00000°,δ51.00000° ,λ169.00000°. NP2:ϕ_s80.00000°,δ81.00000°,λ39.00000°. Principal axes: T 2.7270,Plg33.0000°,Azm309.0000°; N -0.3660,Plg50.0000°,Azm90.0000° ; P -2.3620,Plg20.0000°,Azm205.0000° $M_0$2.54400×10^{16}							
ISC	**VIII**	**08 23 03 37.6–.43**	**56.65S–.08**	**6.05W–.08**	**10**	**4.8b,3.9s**	**113**	**14-149**	
IDC	VIII	08 23 03 36.5–.67	56.66S	6.25W	0	4.3b,4.3			**¶620976454**
NEIC	VIII	08 23 03 37.6–.79	56.71S–.10	6.0W–.20	10–1	4.9b,4.3			
GFZ	VIII	08 23 03 39.0–.61	57S–7.0	6W–9.0	10	4.7b,4.7			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**VIII**	**09 02 12 12.3–.92**	**56.6S–.10**	**6.5W–.20**	**10**	**4.3b,3.7s**	**15**	**14-159**	
IDC	VIII	09 02 12 10.8–.96	56.49S	6.39W	0	4.4L,4.3			**¶620983048**
ISC		Event type se.							
IDC		Error ellipse: s-maj=38.3km s-min=17.9km az=56.0.							
ISC	**VIII**	**09 12 54 35.4–.29**	**56.76S–.06**	**6.22W–.06**	**10**	**5.1b,4.5s**	**264**	**14-170**	
IDC	VIII	09 12 54 33.6–.44	56.76S	6.46W	0	4.8L,4.7b			**¶620979031**
NEIC	VIII	09 12 54 35.1–1.3	56.75S–.10	6.1W–.10	10–1	5.3b,4.7b			
GFZ	VIII	09 12 54 37.2	56.67S	6.17W	10	5.2W,4.7b			
GFZ	VIII	09 12 54 37.2–.20	57S–4.0	6W–3.0	10	5.1b,5.1			
GCMT	VIII	09 12 54 39.1–.10	56.74S–.01	5.83W–.01	12	5.2W,5.1			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.95 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$2.15 $M_{r\theta}$0.66 $M_{\theta\phi}$7.56 $M_{\phi r}$-0.36 NP1: ϕ_s353.92782°,δ84.77739°,λ-175.89724°. NP2:ϕ_s263.55373°,δ85.91430°,λ-5.23595°. Principal axes: T 9.2780,Plg3.0000°,Azm130.0000°; N -0.9240,Plg87.0000°,Azm295.0000° ; P -8.3580,Plg1.0000°,Azm40.0000° $M_0$8.81800×10^{16}							
ISC	**VIII**	**09 13 18 36.4–.43**	**56.71S–.08**	**6.12W–.09**	**10**	**4.9b,3.9s**	**85**	**14-160**	
IDC	VIII	09 13 18 32.7–.64	56.56S	6.05W	0	4.2b,4.2			**¶620979033**
NEIC	VIII	09 13 18 36.7–1.1	56.7S–.10	6.0W–.20	10–1	5.0b,4.2			
GCMT	VIII	09 13 18 37.9–.30	56.75S–.02	5.82W–.03	17–1	4.8W,4.2			
GFZ	VIII	09 13 18 38.4–.31	57S–4.0	6W–5.0	10	4.8b,4.8			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108091318A. Moment Tensor Solution. s14,c16; s87,c115; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59±.12 $M_{\theta\theta}$-0.50±.11; $M_{\phi\phi}$1.09±.10; $M_{r\theta}$0.25±.28; $M_{\theta\phi}$2.17±.09; $M_{\phi r}$0.56±.25; Best double couple: NP1:ϕ_s80.00000°,δ79.00000° ,λ4.00000°. NP2:ϕ_s350.00000°,δ86.00000°,λ169.00000°. Principal axes: T 2.7130,Plg10.0000°,Azm305.0000°; N -0.6890,Plg79.0000°,Azm151.0000° ; P -2.0280,Plg5.0000°,Azm36.0000° $M_0$2.37000×10^{16}							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
IDC	**VIII**	**21 21 26 03.6–1.2**	**46.74S**	**14.13W**	**0**	**4.0s,3.9b**			**¶621043021**
IDC		Error ellipse: s-maj=136.3km s-min=31.1km az=95.0.							
ISC	**VIII**	**11 13 16 26.5–.68**	**56.50S–.10**	**6.1W–.10**	**10**	**4.6b,3.9s**	**36**	**14-149**	
IDC	VIII	11 13 16 26.0–.96	56.43S	6.02W	0	4.7L,4.3b			**¶620983518**
NEIC	VIII	11 13 16 26.4–.75	56.5S–.10	6.0W–.20	10–1	4.7b,4.3b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**09 05 13 14.0–.42**	**56.56S–.07**	**6.25W–.08**	**10**	**4.8b,3.9s**	**86**	**14-145**	
GFZ	VIII	09 05 13 08.8–.32	56S–4.0	4W–6.0	10	4.7b,4.7			**¶620976533**
IDC	VIII	09 05 13 13.1–1.3	56.56S	6.26W	0	4.2b,4.2			
NEIC	VIII	09 05 13 14.4–.95	56.58S–.10	6.3W–.20	10–1	4.9b,4.2			
ISC		Event type se.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**10 02 59 47.0–.61**	**56.63S–.10**	**6.2W–.10**	**10**	**4.5b,3.7s**	**39**	**14-159**	
IDC	VIII	10 02 59 45.7–.83	56.51S	5.99W	0	4.5L,4.2b			**¶620983057**
NEIC	VIII	10 02 59 47.5–1.6	56.7S–.10	6.3W–.20	10–1	4.7b,4.2b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**13 20 15 51.5–.37**	**17.81S–.08**	**13.38W–.08**	**10**	**4.9s,4.7b**	**129**	**8-149**	
IDC	VIII	13 20 15 49.8–.53	17.48S	13.17W	0	4.8s,4.0b			**¶621012215**
NEIC	VIII	13 20 15 52.3–1.7	17.90S–.10	13.41W–.07	10–1	5.5,5.0b			
GCMT	VIII	13 20 15 56.0–.10	17.83S–.01	13.40W–.01	20–0	5.6W,5.0b			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108132015A. Moment Tensor Solution. s118,c194; s154,c310;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.04 $M_{\theta\theta}$1.08±.03; $M_{\phi\phi}$-0.95±.04; $M_{r\theta}$1.40±.09; $M_{\theta\phi}$-2.44±.03; $M_{\phi r}$-1.04±.08; Best double couple: NP1: ϕ_s75.00000°,δ70.00000°,λ163.00000°. NP2:ϕ_s171.00000°,δ74.00000°,λ21.00000°. Principal axes: T 3.5360,Plg25.0000°,Azm34.0000°; N -0.9440,Plg64.0000°,Azm207.0000° ; P -2.5870,Plg3.0000°,Azm303.0000° $M_0$3.06200×10^{17}							
ISC	**VIII**	**09 21 50 32.7–.41**	**56.69S–.07**	**6.23W–.09**	**10**	**4.8b,4.2s**	**100**	**14-159**	
IDC	VIII	09 21 50 31.5–.67	56.42S	6.12W	0	4.7L,4.3			**¶620979391**
NEIC	VIII	09 21 50 32.9–1.4	56.7S–.10	6.3W–.20	10–1	5.0b,4.3			
GFZ	VIII	09 21 50 33.5–.23	57S–3.0	6W–4.0	10	4.8b,4.8			
GCMT	VIII	09 21 50 35.9–.20	56.72S–.01	5.98W–.02	14–1	4.9W,4.8			
ISC		Event type se.							
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108092150A. Moment Tensor Solution. s28,c33; s111,c154; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.12±.10 $M_{\theta\theta}$-0.64±.10; $M_{\phi\phi}$0.52±.09; $M_{r\theta}$0.09±.19; $M_{\theta\phi}$2.87±.08; $M_{\phi r}$1.07±.23; Best double couple: NP1:ϕ_s85.00000°,δ70.00000° ,λ4.00000°. NP2:ϕ_s354.00000°,δ86.00000°,λ160.00000°. Principal axes: T 3.1340,Plg17.0000°,Azm308.0000°; N -0.0270,Plg70.0000°,Azm163.0000° ; P -3.1070,Plg11.0000°,Azm41.0000° $M_0$3.12100×10^{16}							
ISC	**VIII**	**12 04 40 20.9–.61**	**56.57S–.08**	**6.3W–.10**	**10**	**4.7b,3.7s**	**39**	**14-159**	
IDC	VIII	12 04 40 17.5–1.5	56.12S	5.55W	0	4.7L,4.2b			**¶621009378**
NEIC	VIII	12 04 40 21.3–1.1	56.59S–.04	6.3W–.20	10–1	4.7b,4.2b			
ISC		Event type se.							

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 05 21 15.7–.53 56.65S–.08 6.2W–.10 10 4.8b,4.1s 53 14-159
NEIC VIII 12 05 21 15.7–.71 56.72S–.05 6.1W–.20 10–1 4.8b,4.1s ¶621009382
IDC VIII 12 05 21 15.2–.91 56.71S 6.45W 0 4.2b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=7.9km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.5km s-min=19.0km az=41.0.
ISC VIII 17 20 47 30.0–.57 14.06S–.08 13.7W–.10 10 4.6b,3.9s 44 5-146
IDC VIII 17 20 47 28.7–.80 14.14S 13.65W 0 4.2b,4.2 ¶621030305
NEIC VIII 17 20 47 30.3–1.2 14.13S–.08 13.7W–.10 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 12 20 21.4–.76 40.4S–.20 16.0W–.20 10 4.1b,4.1s 11 31-152
IDC VIII 30 12 20 20.0–.83 40.42S 16.00W 0 4.1b,4.1 ¶621076515
GCMT VIII 30 12 20 24.0 40.75S 16.25W 10 5.0s,4.1
GCMT VIII 30 12 20 26.6–.20 40.42S–.03 16.39W–.02 12 4.9W,4.1
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202108301220A. Moment Tensor Solution. s25,c32; s111,c160;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.53±.07 $M_{\theta\theta}$0.26±.08; $M_{\phi\phi}$2.27±.06; $M_{r\theta}$-0.55±.30; $M_{\theta\phi}$0.97±.05; $M_{\phi r}$0.01±.23; Best double couple: NP1:ϕ_s191.00000°,δ44.00000°,λ-107.00000°. NP2:ϕ_s33.00000°,δ48.00000°,λ-74.00000°. Principal axes: T 2.6720,Plg2.0000°,Azm112.0000° ; N -0.0280,Plg12.0000°,Azm203.0000°; P -2.6430,Plg78.0000°,Azm12.0000° $M_0$2.65700×10^{16}
ISC IX 28 18 29 31.2–.58 47.5S–.10 11.9W–.10 10 4.3b,3.7s 36 24-150
IDC IX 28 18 29 31.7–.73 47.57S 11.83W 0 4.1b,4.1 ¶621113275
NEIC IX 28 18 29 31.0–.75 47.5S–.10 11.7W–.20 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 06 04 32 06.2–.31 28.32S–.07 12.71W–.06 10 4.9b,4.3s 265 9-154
BGR IX 06 04 32 02.5 28.03S 15.94W 10 4.7b,4.3s ¶621036057
IDC IX 06 04 32 04.8–.49 28.27S 12.87W 0 4.5b,4.5
NEIC IX 06 04 32 06.6–1.5 28.38S–.10 12.7W–.10 10–1 5.2,5.0b
GFZ IX 06 04 32 06.8–.22 28S–5.0 13W–4.0 10 4.9b,4.9
GCMT IX 06 04 32 09.2–.20 28.27S–.01 12.69W–.01 18–0 5.1W,4.9
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109060432A. Moment Tensor Solution. s76,c113; s135,c234;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.37±.11 $M_{\theta\theta}$2.74±.11; $M_{\phi\phi}$-2.37±.10; $M_{r\theta}$0.54±.22; $M_{\theta\phi}$-5.22±.10; $M_{\phi r}$0.14±.22; Best double couple: NP1: ϕ_s167.00000°,δ84.00000°,λ-1.00000°. NP2:ϕ_s257.00000°,δ89.00000°,λ-174.00000°. Principal axes: T 6.0200,Plg3.0000°,Azm32.0000°; N -0.3640,Plg84.0000°,Azm263.0000° ; P -5.6580,Plg4.0000°,Azm122.0000° $M_0$5.83900×10^{16}
ISC IX 22 07 15 33.6–.87 54.5S–.20 3.3W–.30 10 4.3s,4.1b 10 17-145
IDC IX 22 07 15 32.1–.95 54.47S 3.19W 0 4.2s,4.1b ¶621118123
GCMT IX 22 07 15 36.0 54.25S 1.75W 10 5.0s,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=26.5km az=75.0.
GCMT VIII 31 15 06 42.7–.40 15.41S–.05 13.43W–.03 18–1 4.9W
GCMT VIII 31 15 06 40.0 15.25S 13.25W 10 4.9s ¶621661287
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202108311506A. Moment Tensor Solution. s6,c6; s84,c99;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.24±.26 $M_{\theta\theta}$0.29±.14; $M_{\phi\phi}$1.94±.17; $M_{r\theta}$-1.41±.44; $M_{\theta\phi}$-0.49±.08; $M_{\phi r}$-1.02±.36; Best double couple: NP1:ϕ_s146.00000°,δ40.00000°,λ-130.00000°. NP2:ϕ_s14.00000°,δ60.00000°,λ-62.00000°. Principal axes: T 2.1930,Plg11.0000°,Azm84.0000°; N 0.9230,Plg24.0000°,Azm179.0000° ; P -3.1210,Plg63.0000°,Azm331.0000° $M_0$2.65700×10^{16}
GCMT X 19 16 25 50.8–.30 41.75S–.04 16.32W–.03 14–1 4.8W
GCMT X 19 16 25 44.0 42.25S 15.75W 10 4.9s ¶622022452
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110191625A. Moment Tensor Solution. s26,c27; s100,c127;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.20±.15 $M_{\theta\theta}$0.40±.10; $M_{\phi\phi}$1.81±.10; $M_{r\theta}$-0.44±.35; $M_{\theta\phi}$-0.69±.07; $M_{\phi r}$0.31±.23; Best double couple: NP1:ϕ_s344.00000°,δ39.00000°,λ-80.00000°. NP2:ϕ_s151.00000°,δ51.00000°,λ-99.00000°. Principal axes: T 2.1400,Plg6.0000°,Azm247.0000° ; N 0.1500,Plg7.0000°,Azm156.0000°; P -2.2810,Plg81.0000°,Azm19.0000° $M_0$2.21000×10^{16}
GCMT X 09 02 36 57.5–.20 24.95S–.01 13.68W–.02 20–1 4.9W
GCMT X 09 02 36 56.0 25.25S 13.75W 10 4.9s ¶621146888
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110090236A. Moment Tensor Solution. s36,c40; s106,c152;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.40±.11 $M_{\theta\theta}$-1.03±.09; $M_{\phi\phi}$1.43±.10; $M_{r\theta}$-1.50±.20; $M_{\theta\phi}$2.19±.07; $M_{\phi r}$0.13±.15; Best double couple: NP1:ϕ_s169.00000°,δ61.00000°,λ-168.00000°. NP2:ϕ_s73.00000°,δ80.00000°,λ-29.00000°. Principal axes: T 2.8550,Plg13.0000°,Azm124.0000° ; N 0.1790,Plg59.0000°,Azm235.0000°; P -3.0350,Plg28.0000°,Azm27.0000° $M_0$2.94500×10^{16}
ISC X 18 21 28 26.0–.48 48.98S–.09 8.51W–.09 10 4.7b,4.1s 60 23-153
IDC X 18 21 28 24.1–.73 48.98S 8.47W 0 4.1b,4.1 ¶621244046
NEIC X 18 21 28 26.7–1.7 49.0S–.10 8.5W–.20 10–1 4.9b,4.1
GCMT X 18 21 28 28.3–.30 49.08S–.02 8.25W–.03 15–1 4.8W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110182128A. Moment Tensor Solution. s16,c18; s91,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.11 $M_{\theta\theta}$1.49±.10; $M_{\phi\phi}$-0.81±.09; $M_{r\theta}$-0.30±.28; $M_{\theta\phi}$-2.01±.08; $M_{\phi r}$-0.31±.33; Best double couple: NP1:ϕ_s344.00000°,δ77.00000°,λ-10.00000°. NP2:ϕ_s76.00000°,δ80.00000°,λ-167.00000°. Principal axes: T 2.6580,Plg2.0000°,Azm210.0000°; N -0.5580,Plg74.0000°,Azm114.0000° ; P -2.1010,Plg16.0000°,Azm300.0000° $M_0$2.37900×10^{16}
ISC X 22 02 09 47.9–.52 49.04S–.09 8.80W–.10 10 4.8b,3.8s 79 22-153
IDC X 22 02 09 45.9–.88 49.00S 8.80W 0 4.2b,4.2 ¶621237636
NEIC X 22 02 09 47.7–1.7 49.1S–.10 8.7W–.20 10–1 4.8b,4.2
GFZ X 22 02 09 48.6–.29 49S–4.0 9W–5.0 10 4.8b,4.8
GCMT X 22 02 09 51.6–.40 49.17S–.02 8.49W–.04 19–2 4.8W,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110220209A. Moment Tensor Solution. s15,c17; s72,c85; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.00±.13 $M_{\theta\theta}$1.38±.12; $M_{\phi\phi}$-1.38±.11; $M_{r\theta}$-0.00±.22; $M_{\theta\phi}$-1.52±.09; $M_{\phi r}$-0.39±.23; Best double couple: NP1:ϕ_s69.00000°,δ80.00000°,λ-176.00000°. NP2:ϕ_s339.00000°,δ86.00000°,λ-10.00000°. Principal axes: T 2.0650,Plg4.0000°,Azm24.0000°; N 0.0510,Plg80.0000°,Azm139.0000° ; P -2.1120,Plg9.0000°,Azm294.0000° $M_0$2.08800×10^{16}
ISC XI 10 09 59 31.6–.41 28.24S–.08 13.36W–.08 10 4.7b 79 14-146
IDC XI 10 09 59 29.6–.70 28.00S 13.19W 0 4.2b,4.2 ¶621385924
NEIC XI 10 09 59 31.2–.91 28.4S–.10 13.3W–.10 10–1 4.8b,4.2
GFZ XI 10 09 59 34.3–.23 28S–6.0 14W–4.0 10 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 23 01 52 56.6–.50 14.04S–.09 14.44W–.09 10 4.5b,3.8s 41 5-147
IDC X 23 01 52 54.7–.75 14.02S 14.42W 0 4.2b,4.2 ¶621309355
NEIC X 23 01 52 57.8–2.8 14.05S–.10 14.41W–.08 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 23 55 45.3–.57 50.16S–.10 6.8W–.10 10 4.4b,3.8s 33 21-153
IDC X 23 23 55 45.0–.88 50.14S 6.78W 0 4.0b,4.0 ¶621241322
NEIC X 23 23 55 45.1–.89 50.29S–.06 6.7W–.20 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 10 10 11 46.3–.38 28.15S–.08 13.26W–.08 10 4.8b,4.2s 96 14-148
IDC XI 10 10 11 45.0–.56 28.17S 13.33W 0 4.3b,4.3 ¶621385916
NEIC XI 10 10 11 46.6–1.4 28.3S–.10 13.2W–.10 10–1 4.9b,4.3
GFZ XI 10 10 11 47.7–.21 28S–6.0 13W–4.0 10 5.6b,5.2
GCMT XI 10 10 11 50.5–.30 28.05S–.03 13.32W–.02 28–0 5.0W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111101011A. Moment Tensor Solution. s23,c24; s112,c151; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.42±.21 $M_{\theta\theta}$0.89±.13; $M_{\phi\phi}$3.53±.14; $M_{r\theta}$0.66±.26; $M_{\theta\phi}$-0.65±.08; $M_{\phi r}$0.19±.20; Best double couple: NP1:ϕ_s339.00000°,δ45.00000°,λ-101.00000°. NP2:ϕ_s174.00000°,δ46.00000°,λ-80.00000°. Principal axes: T 3.6830,Plg0.0000°,Azm257.0000°; N 0.8270,Plg7.0000°,Azm347.0000° ; P -4.5100,Plg83.0000°,Azm165.0000° $M_0$4.09600×10^{16}
ISC XI 13 02 13 48.5–.97 26.7S–.20 13.7W–.20 10 3.9b,3.9s 7 18-97
GCMT XI 13 02 13 44.0 26.25S 13.75W 10 4.9s,3.9s ¶621468576
IDC XI 13 02 13 47.0–1.1 26.75S 13.72W 0 3.9b,3.9
GCMT XI 13 02 13 52.9–.40 26.48S–.04 13.91W–.03 21–1 4.8W,3.9
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111130213A. Moment Tensor Solution. s21,c21; s77,c99;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.78±.16 $M_{\theta\theta}$0.12±.10; $M_{\phi\phi}$1.66±.11; $M_{r\theta}$0.91±.19; $M_{\theta\phi}$-0.43±.06; $M_{\phi r}$0.64±.16; Best double couple: NP1:ϕ_s325.00000°,δ43.00000°,λ-126.00000°. NP2:ϕ_s189.00000°,δ57.00000°,λ-61.00000°. Principal axes: T 1.8230,Plg7.0000°,Azm260.0000°; N 0.4650,Plg24.0000°,Azm353.0000° ; P -2.2860,Plg65.0000°,Azm153.0000° $M_0$2.05500×10^{16}
GCMT XI 10 08 36 04.8–.40 28.09S–.04 13.28W–.02 22–1 4.8W
GCMT XI 10 08 36 00.0 28.25S 13.25W 10 4.9s ¶622128788
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111100836A. Moment Tensor Solution. s12,c13; s69,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.16±.20 $M_{\theta\theta}$-0.13±.12; $M_{\phi\phi}$2.29±.13; $M_{r\theta}$-0.22±.25; $M_{\theta\phi}$-0.38±.07; $M_{\phi r}$0.28±.17; Best double couple: NP1:ϕ_s356.00000°,δ41.00000°,λ-82.00000°. NP2:ϕ_s166.00000°,δ49.00000°,λ-97.00000°. Principal axes: T 2.3700,Plg4.0000°,Azm261.0000°; N -0.1730,Plg5.0000°,Azm171.0000° ; P -2.1970,Plg84.0000°,Azm28.0000° $M_0$2.28300×10^{16}
ISC XI 12 00 34 17.1–.22 26.55S–.04 13.74W–.05 10 5.3s,5.3b 1070 13-154
NEIC XI 12 00 34 07.2 26.54S 13.70W 12 5.8,5.3b ¶621399231
MOS XI 12 00 34 14.8–1.0 26.53S 13.71W 10 5.6b,5.4s
IDC XI 12 00 34 14.7–.35 26.49S 13.69W 0 5.2s,5.0b
NEIC XI 12 00 34 16.8–1.4 26.54S–.09 13.7W–.10 10–1 5.6b,5.3
NEIC XI 12 00 34 16.8 26.54S 13.70W 10 5.6b,5.3
IPGP XI 12 00 34 16.0 26.56S 13.69W 6 5.7W,5.3
GFZ XI 12 00 34 17.6 26.41S 13.68W 10 5.7W,5.3
GFZ XI 12 00 34 17.5–.09 26S–2.0 14W–2.0 10 5.9b,5.7
GCMT XI 12 00 34 18.9–.10 26.53S–.01 13.79W 12 5.7W,5.7
BGR XI 12 00 34 23.2 25.87S 11.62W 33 5.4b,5.7
ISC Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3ŝ9 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.99 $M_{\theta\theta}$-0.78 $M_{\phi\phi}$3.77 $M_{r\theta}$0.74 $M_{\theta\phi}$-0.94 $M_{\phi r}$-3.96 NP1:ϕ_s168.04000°,δ20.38000°,λ-91.21000°. NP2:ϕ_s349.33000°,δ69.62000°,λ-89.55000°. Principal axes: T 5.8048,Plg25.0000°,Azm79.0000°; N -0.9693,Plg0.0000°,Azm169.0000° ; P -4.8355,Plg65.0000°,Azm260.0000° $M_0$5.39000×10^{17}
MOS Error ellipse: s-maj=11.7km s-min=5.4km az=65.3.
IDC Error ellipse: s-maj=14.0km s-min=10.6km az=127.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=14.1km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s328.00000°,δ33.00000°,λ-123.00000°. NP2:ϕ_s186.00000°,δ63.00000°,λ-71.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.82 $M_{\theta\theta}$0.30 $M_{\phi\phi}$3.52 $M_{r\theta}$1.16 $M_{\theta\phi}$-0.78 $M_{\phi r}$-0.31 NP1: ϕ_s180.32319°,δ42.36690°,λ-69.20238°. NP2:ϕ_s333.11692°,δ50.95237°,λ-107.94433°. Principal axes: T 3.7435,Plg4.4155°,Azm75.7380°; N 0.3861,Plg13.8436°,Azm344.6477° ; P -4.1296,Plg75.4424°,Azm183.0363° $M_0$3.95070×10^{17}
GFZ Error ellipse: s-maj=6.0km s-min=3.1km az=140.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111120034A. Moment Tensor Solution. s143,c269; s169,c529;Duration: 1ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.83±.02 $M_{\theta\theta}$-0.06±.03; $M_{\phi\phi}$3.89±.02; $M_{r\theta}$0.61±.07; $M_{\theta\phi}$-0.81±.02; $M_{\phi r}$-0.11±.07; Best double couple: NP1:ϕ_s178.00000°,δ44.00000°,λ-77.00000°. NP2:ϕ_s340.00000°,δ47.00000°,λ-102.00000°. Principal axes: T 4.0570,Plg2.0000°,Azm79.0000°; N -0.1320,Plg9.0000°,Azm348.0000° ; P -3.9250,Plg81.0000°,Azm179.0000° $M_0$3.99100×10^{17}
BGR Event type ke.
ISC XI 13 18 37 26.0–1.4 26.0S–.20 14.3W–.70 10 3.9b,3.7s 8 17-145
IDC XI 13 18 37 24.7–1.5 26.03S 14.17W 0 3.7s,3.6b ¶621468614
ISC Event type se.
IDC Error ellipse: s-maj=108.9km s-min=25.1km az=97.0.
GCMT XI 13 06 17 58.3–.20 28.96S–.01 12.48W–.01 21–1 4.9W
GCMT XI 13 06 18 00.0 28.75S 12.25W 10 4.9s ¶622128789
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111130617A. Moment Tensor Solution. s37,c42; s117,c168;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21±.10 $M_{\theta\theta}$-1.35±.10; $M_{\phi\phi}$1.55±.09; $M_{r\theta}$-0.57±.16; $M_{\theta\phi}$2.41±.07; $M_{\phi r}$-0.41±.15; Best double couple: NP1:ϕ_s164.00000°,δ77.00000°,λ177.00000°. NP2:ϕ_s255.00000°,δ87.00000°,λ13.00000°. Principal axes: T 3.0380,Plg11.0000°,Azm120.0000° ; N -0.2960,Plg77.0000°,Azm268.0000°; P -2.7480,Plg7.0000°,Azm29.0000° $M_0$2.89300×10^{16}
GCMT XI 13 22 08 04.8–.40 26.31S–.04 13.85W–.03 22–1 4.8W
GCMT XI 13 22 08 00.0 26.25S 13.75W 10 4.8s ¶622128790
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111132208A. Moment Tensor Solution. s22,c22; s75,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.80±.18 $M_{\theta\theta}$0.05±.11; $M_{\phi\phi}$1.75±.12; $M_{r\theta}$0.93±.20; $M_{\theta\phi}$-0.25±.08; $M_{\phi r}$-0.19±.16; Best double couple: NP1:ϕ_s191.00000°,δ44.00000°,λ-58.00000°. NP2:ϕ_s330.00000°,δ54.00000°,λ-117.00000°. Principal axes: T 1.8180,Plg6.0000°,Azm79.0000°; N 0.3700,Plg22.0000°,Azm347.0000° ; P -2.1880,Plg68.0000°,Azm183.0000° $M_0$2.00300×10^{16}
ISC XI 13 20 12 25.6–.67 26.6S–.10 13.7W–.10 10 4.2b,3.3s 15 30-86
IDC XI 13 20 12 25.2–1.6 26.51S 13.29W 0 3.9b,3.9 ¶621468617
NEIC XI 13 20 12 26.1–1.2 26.59S–.09 13.7W–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 16 22 08.2–.48 26.39S–.08 13.92W–.09 10 4.5b,3.7s 47 13-147
IDC XI 13 16 22 07.0–.74 26.45S 13.83W 0 4.1b,4.1 ¶621409271
NEIC XI 13 16 22 08.3–2.1 26.43S–.08 14.0W–.10 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 22 24 17.3–.60 26.5S–.10 13.7W–.10 10 4.5b,3.7s 27 30-146
IDC XI 13 22 24 16.8–1.3 26.45S 13.50W 0 4.0b,4.0 ¶621468619
NEIC XI 13 22 24 17.7–1.8 26.5S–.10 13.7W–.10 10–1 4.7b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 13 20 57 35.1–.40 26.46S–.09 13.71W–.08 10 4.7b,4.2s 72 17-146
IDC XI 13 20 57 34.0–.60 26.43S 13.68W 0 4.2s,4.1b ¶621409253

NEIC XI 13 20 57 35.5–.95 26.5S–.10 13.7W–.10 10–1 4.8b,4.1b
GCMT XI 13 20 57 37.6–.20 26.53S–.02 13.80W–.01 12 4.9W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111132057A. Moment Tensor Solution. s43,c48; s120,c171; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.50±.06 $M_{\theta\theta}$-0.01±.06; $M_{\phi\phi}$2.52±.05; $M_{r\theta}$0.46±.22; $M_{\theta\phi}$-0.65±.05; $M_{\phi r}$-0.25±.19; Best double couple: NP1:ϕ_s175.00000°,δ42.00000°,λ-76.00000°. NP2:ϕ_s337.00000°,δ50.00000°,λ-102.00000°. Principal axes: T 2.7020,Plg4.0000°,Azm76.0000°; N -0.1090,Plg9.0000°,Azm345.0000°; P -2.5860,Plg80.0000°,Azm189.0000° M_o2.64400×10^{16}

ISC	**XI**	**13 22 45 02.5–.36**	**26.40S–.07**	**13.71W–.07**	**10**	**4.6b,4.4s**	**189**	**13-153**
IDC	XI	13 22 45 01.8–.56	26.46S	13.70W	0	4.4s,4.2b		**¶621402834**
NEIC	XI	13 22 45 02.0–.81	26.36S–.10	13.7W–.10	10–1	4.9b,4.2b		
GCMT	XI	13 22 45 06.2–.10	26.54S–.01	13.80W–.01	12	5.0W,4.2b		
GFZ	XI	13 22 45 08.5–.54	25S–16	14W–12	10	6.4b,6.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111132245A. Moment Tensor Solution. s75,c99; s144,c254; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.67±.07 $M_{\theta\theta}$0.19±.07; $M_{\phi\phi}$4.48±.06; $M_{r\theta}$0.78±.22; $M_{\theta\phi}$-0.77±.06; $M_{\phi r}$0.45±.21; Best double couple: NP1:ϕ_s341.00000°,δ44.00000°,λ-104.00000°. NP2:ϕ_s180.00000°,δ48.00000°,λ-77.00000°. Principal axes: T 4.6240,Plg2.0000°,Azm261.0000°; N 0.2020,Plg10.0000°,Azm351.0000°; P -4.8260,Plg80.0000°,Azm160.0000° M_o4.72500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**13 23 12 53.2–.45**	**26.44S–.10**	**13.71W–.09**	**10**	**4.5b,4.0s**	**58**	**17-146**
IDC	XI	13 23 12 52.3–.72	26.41S	13.70W	0	4.0b,4.0		**¶621468621**
NEIC	XI	13 23 12 53.6–1.4	26.43S–.07	13.7W–.10	10–1	4.7b,4.0		
GCMT	XI	13 23 12 54.5–.30	26.39S–.05	14.02W–.03	22–1	4.8W,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111132312A. Moment Tensor Solution. s15,c15; s79,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.42±.19 $M_{\theta\theta}$0.53±.11; $M_{\phi\phi}$1.89±.11; $M_{r\theta}$0.44±.25; $M_{\theta\phi}$-0.39±.07; $M_{\phi r}$0.83±.17; Best double couple: NP1:ϕ_s336.00000°,δ37.00000°,λ-108.00000°. NP2:ϕ_s178.00000°,δ55.00000°,λ-77.00000°. Principal axes: T 2.1050,Plg9.0000°,Azm259.0000°; N 0.5460,Plg11.0000°,Azm350.0000°; P -2.6530,Plg76.0000°,Azm129.0000° M_o2.37900×10^{16}

ISC	**XI**	**13 16 57 38.3–.55**	**26.49S–.09**	**13.62W–.09**	**10**	**4.3b,3.7s**	**35**	**13-146**
IDC	XI	13 16 57 35.6–1.7	26.64S	13.80W	0	3.9b,3.9		**¶621468610**
NEIC	XI	13 16 57 39.0–1.9	26.49S–.10	13.6W–.10	10–1	4.5b,3.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**13 14 10 38.6–.29**	**26.48S–.06**	**13.66W–.06**	**10**	**5.2s,4.9b**	**348**	**13-154**
NEIC	XI	13 14 10 27.4	26.41S	13.71W	12	5.5,4.9b		**¶621402810**
MOS	XI	13 14 10 37.4–1.3	26.61S	13.69W	10	5.2s,5.2b		
IDC	XI	13 14 10 37.3–.46	26.45S	13.82W	0	5.0s,4.4b		
NEIC	XI	13 14 10 39.3–1.6	26.45S–.09	13.7W–.10	10–1	5.2b,5.2		
NEIC	XI	13 14 10 39.6	26.41S	13.71W	10	5.2b,5.2		
GFZ	XI	13 14 10 40.0	26.37S	13.77W	10	5.4W,5.2		
GFZ	XI	13 14 10 40.1–.18	26S–5.0	14W–3.0	10	5.5b,5.0		
GCMT	XI	13 14 10 41.0–.10	26.51S–.01	13.82W–.01	12	5.4W,5.0		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$1.43 $M_{r\theta}$1.64 $M_{\theta\phi}$-0.19 $M_{\phi r}$-1.03 NP1:ϕ_s204.22000°,δ29.91000°,λ-23.54000°. NP2:ϕ_s314.91000°,δ78.52000°,λ-117.80000°. Principal axes: T 2.1176,Plg28.0000°,Azm67.0000°; N 0.3517,Plg27.0000°,Azm321.0000°; P -2.4693,Plg49.0000°,Azm195.0000° M_o2.31000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.46 $M_{\theta\theta}$0.26 $M_{\phi\phi}$1.20 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.33 $M_{\phi r}$-0.16 NP1: ϕ_s172.85001°,δ40.33354°,λ-73.12222°. NP2:ϕ_s331.14691°,δ51.73079°,λ-103.84794°. Principal axes: T 1.3285,Plg5.8007°,Azm70.9414°; N 0.2243,Plg10.8310°,Azm339.8277°; P -1.5527,Plg77.6802°,Azm188.6616° M_o1.45365×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111131410A. Moment Tensor Solution. s104,c147; s159,c303;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52±.02 $M_{\theta\theta}$0.07±.02; $M_{\phi\phi}$1.45±.02; $M_{r\theta}$0.34±.06; $M_{\theta\phi}$-0.34±.02; $M_{\phi r}$-0.06±.05; Best double couple: NP1: ϕ_s178.00000°,δ43.00000°,λ-74.00000°. NP2:ϕ_s336.00000°,δ49.00000°,λ-105.00000°. Principal axes: T 1.5350,Plg3.0000°,Azm76.0000°; N 0.0500,Plg11.0000°,Azm346.0000°; P -1.5880,Plg79.0000°,Azm180.0000° M_o1.56200×10^{17}

ISC	**XI**	**14 00 03 37.8–.52**	**26.4S–.10**	**13.75W–.10**	**10**	**4.5b,3.8s**	**32**	**17-146**
IDC	XI	14 00 03 37.3–1.2	26.35S	13.55W	0	4.0b,4.0		**¶621468626**
NEIC	XI	14 00 03 38.5–1.7	26.4S–.10	13.7W–.10	10–1	4.5b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**14 08 15 31.5–.43**	**26.53S–.09**	**13.59W–.08**	**10**	**4.7b,3.7s**	**56**	**30-146**
IDC	XI	14 08 15 30.5–.74	26.49S	13.51W	0	4.1b,4.1		**¶621409417**
NEIC	XI	14 08 15 32.2–.92	26.5S–.10	13.6W–.10	10–1	4.7b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**14 03 57 50.7–.66**	**26.5S–.10**	**13.7W–.10**	**10**	**4.4b**	**30**	**13-146**
IDC	XI	14 03 57 49.1–1.1	26.48S	13.75W	0	4.1b,4.1		**¶621468638**
NEIC	XI	14 03 57 51.3–1.6	26.52S–.06	13.7W–.10	10–1	4.5b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**14 00 47 36.9–.29**	**26.57S–.06**	**13.73W–.06**	**10**	**4.8b,4.7s**	**495**	**18-153**
NEIC	XI	14 00 47 25.7	26.58S	13.73W	12	5.4,4.7s		**¶621402837**
MOS	XI	14 00 47 34.9–.95	26.61S	13.79W	10	5.2b,4.5s		
IDC	XI	14 00 47 35.4–.45	26.53S	13.79W	0	4.6s,4.4b		
NEIC	XI	14 00 47 36.9–.93	26.58S–.03	13.7W–.10	10–1	5.1b,4.4b		
NEIC	XI	14 00 47 36.9	26.58S	13.73W	10	5.1b,4.4b		
GFZ	XI	14 00 47 37.8	26.49S	13.87W	10	5.3W,4.4b		
GFZ	XI	14 00 47 37.8–.20	26S–5.0	14W–5.0	10	5.5b,5.0		
GCMT	XI	14 00 47 39.3–.10	26.57S–.01	13.78W–.01	12	5.3W,5.0		
BGR	XI	14 00 47 47.1	25.12S	12.41W	33	4.6b,5.0		

ISC Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.58 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$0.91 $M_{r\theta}$1.01 $M_{\theta\phi}$-0.18 $M_{\phi r}$-0.61 NP1:ϕ_s201.44000°,δ30.46000°,λ-26.07000°. NP2:ϕ_s314.30000°,δ77.13000°,λ-117.85000°. Principal axes: T 1.3309,Plg27.0000°,Azm66.0000°; N 0.1923,Plg27.0000°,Azm321.0000°; P -1.5232,Plg50.0000°,Azm193.0000° M_o1.44000×10^{17}
MOS Error ellipse: s-maj=12.7km s-min=6.6km az=66.9.
IDC Error ellipse: s-maj=18.6km s-min=12.9km az=105.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=4.5km az=266.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.00 $M_{\theta\theta}$0.15 $M_{\phi\phi}$0.85 $M_{r\theta}$0.00 $M_{\theta\phi}$-0.13 $M_{\phi r}$0.48 NP1: ϕ_s173.92450°,δ58.55052°,λ-85.86849°. NP2:ϕ_s346.04225°,δ31.69210°,λ-96.71855°. Principal axes: T 0.9846,Plg13.4581°,Azm260.9218°; N 0.1289,Plg3.5238°,Azm351.7662°; P -1.1135,Plg76.0713°,Azm96.1428° M_o1.05495×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111140047A. Moment Tensor Solution. s107,c164; s152,c296;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97±.01 $M_{\theta\theta}$0.05±.01; $M_{\phi\phi}$0.92±.01; $M_{r\theta}$0.15±.03; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$-0.13±.03; Best double couple: NP1: ϕ_s173.00000°,δ41.00000°,λ-80.00000°. NP2:ϕ_s340.00000°,δ50.00000°,λ-99.00000°. Principal axes: T 0.9840,Plg5.0000°,Azm76.0000°; N 0.0150,Plg7.0000°,Azm346.0000°; P -0.9990,Plg82.0000°,Azm201.0000° M_o0.99200×10^{17}
BGR Event type ke.

ISC	**XI**	**13 18 03 22.6–1.9**	**26.2S–.30**	**14W–1.0**	**10**	**3.8s,3.8b**	**9**	**17-146**
IDC	XI	13 18 03 20.9–2.0	26.17S	14.52W	0	3.9b,3.9		**¶621468612**

ISC Event type se.
IDC Error ellipse: s-maj=182.1km s-min=27.6km az=101.0.

ISC	**XI**	**14 17 26 06.9–.66**	**26.3S–.10**	**13.7W–.10**	**10**	**4.5b,3.6s**	**24**	**13-146**
IDC	XI	14 17 26 05.8–4.3	26.47S	13.75W	0	3.8b,3.8		**¶621468716**
NEIC	XI	14 17 26 07.3–1.7	26.4S–.10	13.6W–.10	10–1	4.5b,3.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**14 06 16 16.9–.42**	**26.59S–.09**	**13.67W–.08**	**10**	**4.6b,3.7s**	**56**	**30-146**
IDC	XI	14 06 16 16.0–.71	26.59S	13.64W	0	4.0b,4.0		**¶621409430**
NEIC	XI	14 06 16 17.2–.72	26.62S–.08	13.6W–.10	10–1	4.7b,4.0		
GCMT	XI	14 06 16 19.6–.40	26.68S–.04	13.77W–.04	21–1	4.8W,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111140616A. Moment Tensor Solution. s21,c23; s71,c91; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.94±.16 $M_{\theta\theta}$0.71±.10; $M_{\phi\phi}$1.23±.10; $M_{r\theta}$0.01±.20; $M_{\theta\phi}$-0.57±.05; $M_{\phi r}$-0.24±.18; Best double couple: NP1:ϕ_s144.00000°,δ42.00000°,λ-95.00000°. NP2:ϕ_s331.00000°,δ48.00000°,λ-86.00000°. Principal axes: T 1.6070,Plg3.0000°,Azm58.0000°; N 0.3480,Plg3.0000°,Azm148.0000°; P -1.9590,Plg85.0000°,Azm280.0000° M_o1.78300×10^{16}

ISC	**XI**	**14 06 56 43.6–.33**	**26.46S–.07**	**13.72W–.07**	**10**	**4.6b,4.1s**	**232**	**13-146**
IDC	XI	14 06 56 42.2–.51	26.54S	13.74W	0	4.3b,4.3		**¶621402890**
NEIC	XI	14 06 56 44.0–.90	26.4S–.10	13.7W–.10	10–1	4.8b,4.3		
GFZ	XI	14 06 56 44.1–.19	26S–4.0	14W–5.0	10	5.8b,5.4		
GCMT	XI	14 06 56 46.4–.20	26.62S–.03	13.83W–.02	13–0	4.9W,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111140656A. Moment Tensor Solution. s32,c34; s110,c145; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.58±.14 $M_{\theta\theta}$0.23±.08; $M_{\phi\phi}$2.34±.10; $M_{r\theta}$0.31±.24; $M_{\theta\phi}$-0.57±.06; $M_{\phi r}$0.37±.21; Best double couple: NP1:ϕ_s338.00000°,δ42.00000°,λ-102.00000°. NP2:ϕ_s174.00000°,δ49.00000°,λ-79.00000°. Principal axes: T 2.5010,Plg3.0000°,Azm256.0000°; N 0.1430,Plg8.0000°,Azm347.0000°; P -2.6510,Plg81.0000°,Azm144.0000° M_o2.57600×10^{16}

ISC	**XI**	**14 07 05 49.3–.45**	**26.4S–.10**	**13.86W–.09**	**10**	**4.5b,3.4s**	**40**	**30-146**
IDC	XI	14 07 05 48.9–1.1	26.36S	13.66W	0	4.1b,4.1		**¶621468653**
NEIC	XI	14 07 05 49.7–.94	26.4S–.10	13.8W–.10	10–1	4.6b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**14 04 02 42.1–.56**	**26.3S–.10**	**13.8W–.10**	**10**	**4.3b**	**27**	**31-146**
IDC	XI	14 04 02 40.1–.77	26.28S	13.76W	0	4.0b,4.0		**¶621468639**
NEIC	XI	14 04 02 43.0–.92	26.4S–.10	13.76W–.09	10–1	4.5b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**14 04 13 15.4–.57**	**26.4S–.10**	**13.8W–.10**	**10**	**4.4b,3.9s**	**28**	**30-146**
IDC	XI	14 04 13 13.7–.85	26.47S	13.79W	0	4.0b,4.0		**¶621468640**
NEIC	XI	14 04 13 16.2–1.3	26.49S–.09	13.8W–.10	10–1	4.8b,4.0		
GCMT	XI	14 04 13 17.8–.40	26.50S–.05	13.87W–.04	23–1	4.8W,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111140413A. Moment Tensor Solution. s13,c14; s74,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.25±.18 $M_{\theta\theta}$0.50±.11; $M_{\phi\phi}$1.75±.13; $M_{r\theta}$0.48±.20; $M_{\theta\phi}$-0.20±.07; $M_{\phi r}$0.47±.20; Best double couple: NP1:ϕ_s342.00000°,δ40.00000°,λ-106.00000°. NP2:ϕ_s183.00000°,δ52.00000°,λ-77.00000°. Principal axes: T 1.8210,Plg6.0000°,Azm264.0000°; N 0.5690,Plg10.0000°,Azm355.0000°; P -2.3910,Plg78.0000°,Azm145.0000° M_o2.10600×10^{16}

ISC	**XI**	**14 01 24 17.2–.61**	**26.5S–.10**	**13.7W–.10**	**10**	**4.2b,3.7s**	**20**	**18-146**
IDC	XI	14 01 24 16.3–1.2	26.46S	13.65W	0	4.1b,4.1		**¶621468630**
NEIC	XI	14 01 24 17.2–1.3	26.3S–.20	13.6W–.10	10–1	4.4b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**14 02 07 29.7–.67**	**26.5S–.10**	**13.6W–.20**	**10**	**4.3b,3.5s**	**25**	**30-146**
IDC	XI	14 02 07 27.8–1.1	26.47S	13.82W	0	4.1b,4.1		**¶621468633**
NEIC	XI	14 02 07 30.3–1.5	26.50S–.08	13.6W–.20	10–1	4.4b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**15 21 26 30.4–.60**	**49.0S–.10**	**8.7W–.10**	**10**	**4.5b,3.9s**	**31**	**22-153**
IDC	XI	15 21 26 28.6–1.1	48.89S	8.68W	0	4.1b,4.1		**¶621475651**
NEIC	XI	15 21 26 31.1–1.3	49.1S–.10	8.7W–.20	10–1	4.6b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**14 20 04 06.5–.36**	**26.41S–.07**	**13.71W–.07**	**10**	**4.6b,4.2s**	**133**	**13-146**
IDC	XI	14 20 04 05.6–.53	26.47S	13.76W	0	4.3b,4.3		**¶621403085**
NEIC	XI	14 20 04 06.9–1.8	26.40S–.09	13.6W–.10	10–1	4.8b,4.3		
GCMT	XI	14 20 04 06.9–.20	26.60S–.02	13.80W–.02	12	4.9W,4.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111142004A. Moment Tensor Solution. s37,c40; s110,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.87±.07 $M_{\theta\theta}$0.37±.07; $M_{\phi\phi}$2.50±.06; $M_{r\theta}$0.67±.32; $M_{\theta\phi}$-0.40±.06; $M_{\phi r}$0.45±.28; Best double couple: NP1:ϕ_s338.00000°,δ43.00000°,λ-108.00000°. NP2:ϕ_s182.00000°,δ50.00000°,λ-74.00000°. Principal axes: T 2.5920,Plg4.0000°,Azm261.0000°; N 0.4610,Plg12.0000°,Azm352.0000°; P -3.0540,Plg77.0000°,Azm155.0000° M_o2.82300×10^{16}

ISC	**XI**	**14 21 51 40.7–.59**	**26.5S–.10**	**13.71W–.09**	**10**	**4.5b**	**29**	**13-86**
IDC	XI	14 21 51 37.9–5.9	26.70S	13.87W	0	3.9s,3.8b		**¶621468745**
NEIC	XI	14 21 51 41.3–1.2	26.53S–.07	13.7W–.10	10–1	4.6b,3.8b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**17 07 03 49.4–.67**	**26.5S–.20**	**13.7W–.10**	**10**	**4.4b,4.0s**	**37**	**17-146**
IDC	XI	17 07 03 48.1–.86	26.53S	13.83W	0	4.1b,4.1		**¶621494193**
NEIC	XI	17 07 03 50.6–1.4	26.5S–.20	13.8W–.10	10–1	4.5b,4.1		
GCMT	XI	17 07 03 52.0	26.50S	13.50W	10	4.9s,4.1		
GCMT	XI	17 07 03 52.4–.40	26.48S–.05	13.80W–.03	24–1	4.9W,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111170703A. Moment Tensor Solution. s25,c27; s64,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.83±.22 $M_{\theta\theta}$0.77±.14; $M_{\phi\phi}$2.06±.15; $M_{r\theta}$0.87±.22; $M_{\theta\phi}$-0.72±.09; $M_{\phi r}$-0.06±.18; Best double couple: NP1:ϕ_s167.00000°,δ42.00000°,λ-71.00000°. NP2:ϕ_s323.00000°,δ51.00000°,λ-106.00000°. Principal axes: T 2.4210,Plg5.0000°,Azm264.0000°; N 0.6150,Plg12.0000°,Azm333.0000°; P -3.0330,Plg77.0000°,Azm175.0000° M_o2.72700×10^{16}

ISC	**XII**	**23 17 19 42.4–.54**	**14.5S–.10**	**13.5W–.10**	**10**	**4.6b,4.1s**	**63**	**6-98**
IDC	XII	23 17 19 41.1–1.4	14.51S	13.49W	0	4.3b,4.3		**¶621686837**
NEIC	XII	23 17 19 42.4–1.6	14.5S–.10	13.4W–.10	10–1	4.7b,4.3		

GCMT XII 23 17 19 48.2–.30 14.68S–.03 13.44W–.02 12 5.0W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112231719A. Moment Tensor Solution. s26,c27; s96,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.81±.07 $M_{\theta\theta}$0.24±.07; $M_{\phi\phi}$1.57±.06; $M_{r\theta}$0.42±.31; $M_{\theta\phi}$-0.44±.06; $M_{\phi r}$-2.79±.25; Best double couple: NP1:ϕ_s158.00000°,δ16.00000°,λ-102.00000°. NP2:ϕ_s350.00000°,δ74.00000°,λ-87.00000°. Principal axes:
T 3.2560,Plg29.0000°,Azm77.0000°; N 0.1360,Plg3.0000°,Azm169.0000°
; P -3.3880,Plg61.0000°,Azm265.0000° $M_0$3.32200×10^{16}

ISC	**XII**	**01 21 26 44.6–.69**	**48.38S–.09**	**9.5W–.20**	**10**	**4.3b,3.5s**	**24**	**11-152**
IDC	XII	01 21 26 43.2–1.3	48.31S	9.50W	0	4.1b,4.1		**¶621629850**
NEIC	XII	01 21 26 44.1–.98	48.5S–.10	9.5W–.20	10–1	4.3b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(411) Tristan da Cunha region.

ISC	**X**	**18 19 47 14.8–.59**	**34.33S–.09**	**14.8W–.10**	**10**	**4.4b,3.8s**	**32**	**3-99**
NEIC	X	18 19 47 15.2–2.7	34.37S–.08	14.8W–.10	10–1	4.7b,3.8s		**¶621244042**
IDC	X	18 19 47 15.2–1.4	34.34S	14.54W	0	4.2b,4.2		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=4.4km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.4km s-min=18.4km az=86.0.

ISC	**VII**	**21 02 19 04.8–.33**	**35.44S–.07**	**15.82W–.06**	**12**	**4.9b,4.5s**	**185**	**3-159**
IDC	VII	21 02 19 03.1–.53	35.34S	16.45W	0	4.4s,4.1b		**¶620838912**
NEIC	VII	21 02 19 04.4–1.2	35.5S–.10	15.8W–.10	10–1	5.4,5.1b		
GFZ	VII	21 02 19 05.2–.19	35S–5.0	16W–3.0	10	4.9b,4.9		
GCMT	VII	21 02 19 09.1–.10	35.32S–.01	15.74W–.01	18–0	5.3W,4.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107210219A. Moment Tensor Solution. s95,c138; s156,c287;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.02 $M_{\theta\theta}$-0.42±.02; $M_{\phi\phi}$0.49±.02; $M_{r\theta}$-0.21±.04; $M_{\theta\phi}$0.94±.01; $M_{\phi r}$-0.10±.03; Best double couple: NP1: ϕ_s167.00000°,δ78.00000°,λ179.00000°. NP2:ϕ_s257.00000°,δ89.00000°,λ12.00000°. Principal axes: T 1.1200,Plg10.0000°,Azm123.0000°; N -0.0910,Plg78.0000°,Azm264.0000° ; P -1.0280,Plg7.0000°,Azm31.0000° $M_0$1.07400×10^{17}

ISC	**XII**	**21 07 50 56.6–.44**	**34.20S–.08**	**14.56W–.07**	**10**	**4.8b,4.2s**	**89**	**3-150**
IDC	XII	21 07 50 55.8–.78	34.11S	14.78W	0	4.2b,4.2		**¶621635090**
NEIC	XII	21 07 50 56.4–1.8	34.32S–.10	14.6W–.10	10–1	4.9b,4.2		
GFZ	XII	21 07 50 57.5–.29	34S–11	15W–4.0	10	4.7b,4.7		
GCMT	XII	21 07 51 02.2–.20	34.15S–.01	14.51W–.01	18–0	5.1W,4.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112210751A. Moment Tensor Solution. s57,c73; s123,c200; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.50±.15 $M_{\theta\theta}$-1.53±.14; $M_{\phi\phi}$3.04±.13; $M_{r\theta}$-0.87±.29; $M_{\theta\phi}$5.45±.11; $M_{\phi r}$-0.43±.27; Best double couple: NP1:ϕ_s169.00000°,δ81.00000°,λ-179.00000°. NP2:ϕ_s78.00000°,δ89.00000°,λ-9.00000°. Principal axes:
T 6.7500,Plg6.0000°,Azm124.0000°; N -1.5210,Plg80.0000°,Azm251.0000°
; P -5.2190,Plg8.0000°,Azm33.0000° $M_0$5.98500×10^{16}

ISC	**X**	**25 20 29 51.4–.40**	**35.33S–.08**	**15.22W–.08**	**10**	**4.6b,4.1s**	**60**	**3-150**
IDC	X	25 20 29 50.4–.65	35.26S	15.38W	0	4.2b,4.2		**¶621366443**
NEIC	X	25 20 29 51.7–2.4	35.34S–.10	15.2W–.10	10–1	4.8b,4.2		
GCMT	X	25 20 29 57.1–.30	35.24S–.02	15.12W–.02	23–1	4.9W,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110252029A. Moment Tensor Solution. s23,c24; s100,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.37±.18 $M_{\theta\theta}$-1.44±.16; $M_{\phi\phi}$1.81±.15; $M_{r\theta}$-0.82±.23; $M_{\theta\phi}$2.70±.11; $M_{\phi r}$0.02±.19; Best double couple: NP1:ϕ_s165.00000°,δ75.00000°,λ-174.00000°. NP2:ϕ_s74.00000°,δ84.00000°,λ-15.00000°. Principal axes:
T 3.3760,Plg6.0000°,Azm120.0000°; N -0.2200,Plg74.0000°,Azm232.0000°
; P -3.1550,Plg15.0000°,Azm29.0000° $M_0$3.26600×10^{16}

(412) Bouvet Island region.

ISC	**VII**	**30 21 41 32.3–.41**	**53.98S–.07**	**6.46E–.09**	**10**	**4.6b,3.8s**	**58**	**18-163**
IDC	VII	30 21 41 31.0–.64	53.99S	6.52E	0	4.2b,4.2		**¶620925351**
NEIC	VII	30 21 41 32.7–1.3	54.0S–.10	6.5E–.20	10–1	4.7b,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(413) Southwest of Africa.

ISC	**VIII**	**03 01 37 47.5–.64**	**52.82S–.10**	**19.1E–.20**	**10**	**4.2b,3.8s**	**27**	**20-166**
IDC	VIII	03 01 37 45.8–.86	52.71S	18.77E	0	4.0b,4.0		**¶620995828**
NEIC	VIII	03 01 37 48.3–1.7	52.94S–.03	19.3E–.30	10–2	4.4b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**25 10 37 30.0–.65**	**52.2S–.10**	**16.4E–.10**	**10**	**4.3b**	**35**	**20-146**
IDC	VII	25 10 37 28.8–.94	52.21S	16.64E	0	4.1b,4.1		**¶620913643**
NEIC	VII	25 10 37 30.2–1.7	52.2S–.10	16.3E–.20	10–1	4.4b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**03 05 08 31.8–.87**	**52.3S–.10**	**18.9E–.20**	**10**	**4.2b**	**35**	**21-166**
IDC	VIII	03 05 08 30.5–1.0	52.28S	18.98E	0	4.7s,4.1b		**¶620970277**
NEIC	VIII	03 05 08 34.3–1.7	52.7S–.20	18.8E–.20	10–1	4.3b,4.1b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**03 05 13 04.9–.73**	**52.5S–.10**	**18.4E–.20**	**13**	**4.0b**	**24**	**20-146**
IDC	VIII	03 05 13 03.4–1.4	52.52S	18.38E	0	3.9b,3.9		**¶620995847**
NEIC	VIII	03 05 13 04.6–1.4	52.6S–.10	18.2E–.10	10–1	4.1b,3.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**03 06 43 01.4–.29**	**52.66S–.05**	**18.38E–.08**	**13**	**5.0b,4.9s**	**157**	**19-167**
NEIC	VIII	03 06 42 48.6	52.79S	18.41E	12	5.5,4.9s		**¶620930461**
IDC	VIII	03 06 42 59.2–.46	52.69S	18.64E	0	4.8s,4.6b		
NEIC	VIII	03 06 43 00.5–2.0	52.75S–.10	18.5E–.20	10–1	5.2b,5.0		
NEIC	VIII	03 06 43 00.7	52.79S	18.41E	10	5.2b,5.0		
GFZ	VIII	03 06 43 01.7–.20	53S–4.0	18E–5.0	10	4.9,4.8b		
GFZ	VIII	03 06 43 02.0	52.76S	18.48E	15	5.4W,4.8b		
GCMT	VIII	03 06 43 03.1–.10	52.68S–.01	18.90E–.01	12	5.4W,4.8b		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25 $M_{\theta\theta}$1.06 $M_{\phi\phi}$0.20 $M_{r\theta}$-1.37 $M_{\theta\phi}$-0.14 $M_{\phi r}$0.65 NP1:ϕ_s272.01000°,δ19.62000°,λ-108.51000°. NP2:ϕ_s111.58000°,δ71.43000°,λ-83.54000°. Principal axes:
T 1.8027,Plg26.0000°,Azm196.0000°; N 0.2209,Plg6.0000°,Azm290.0000°
; P -2.0236,Plg63.0000°,Azm32.0000° $M_0$1.92000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25 $M_{\theta\theta}$1.05 $M_{\phi\phi}$0.20 $M_{r\theta}$-0.46 $M_{\theta\phi}$-0.82 $M_{\phi r}$0.79 NP1: ϕ_s138.23686°,δ62.30834°,λ-71.10317°. NP2:ϕ_s281.86094°,δ33.09800°,λ-121.67833°.
Principal axes: T 1.7666,Plg15.2938°,Azm214.5028°; N -0.1660,Plg16.6647°,Azm309.1981° ; P -1.6006,Plg67.0686°,Azm84.2349° $M_0$1.68974×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108030643A. Moment Tensor Solution. s91,c132; s162,c307;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.40±.02 $M_{\theta\theta}$1.15±.01; $M_{\phi\phi}$0.24±.02; $M_{r\theta}$0.81±.05; $M_{\theta\phi}$-0.45±.01; $M_{\phi r}$-0.32±.04; Best double couple: NP1: ϕ_s113.00000°,δ29.00000°,λ-89.00000°. NP2:ϕ_s292.00000°,δ61.00000°,λ-90.00000°. Principal axes: T 1.5890,Plg16.0000°,Azm22.0000°; N 0.0560,Plg0.0000°,Azm292.0000° ; P -1.6520,Plg74.0000°,Azm201.0000° $M_0$1.62000×10^{17}

ISC	**VIII**	**03 18 42 54.7–1.4**	**52.6S–.20**	**18.9E–.20**	**10**	**4.0b,3.2s**	**11**	**20-147**
IDC	VIII	03 18 42 53.3–1.5	52.63S	18.88E	0	4.0b,4.0		**¶620970272**

ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=31.0km az=41.0.

ISC	**VIII**	**03 08 30 46.4–.31**	**52.68S–.05**	**18.46E–.08**	**13**	**4.9b,4.5s**	**131**	**20-166**
IDC	VIII	03 08 30 44.1–.47	52.66S	18.61E	0	4.6b,4.6		**¶620930504**
NEIC	VIII	03 08 30 45.7–2.1	52.6S–.10	18.7E–.20	10–1	5.0b,4.6		
GFZ	VIII	03 08 30 46.6–.17	53S–3.0	18E–4.0	10	5.0,4.9b		
GCMT	VIII	03 08 30 47.9–.10	52.69S–.01	18.95E–.02	12	5.2W,4.9b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108030830A. Moment Tensor Solution. s68,c89; s143,c231; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71±.01 $M_{\theta\theta}$0.55±.01; $M_{\phi\phi}$0.16±.01; $M_{r\theta}$0.30±.03; $M_{\theta\phi}$-0.25±.01; $M_{\phi r}$-0.27±.04; Best double couple: NP1:ϕ_s110.00000°,δ31.00000°,λ-102.00000°. NP2:ϕ_s303.00000°,δ60.00000°,λ-83.00000°. Principal axes:
T 0.7760,Plg15.0000°,Azm28.0000°; N 0.0530,Plg6.0000°,Azm120.0000°
; P -0.8290,Plg74.0000°,Azm231.0000° $M_0$0.80300×10^{17}

ISC	**VIII**	**04 16 47 06.3–1.1**	**52.7S–.20**	**19.1E–.30**	**10**	**4.0b,2.9s**	**10**	**20-147**
IDC	VIII	04 16 47 04.5–1.1	52.70S	18.90E	0	4.0,3.9b		**¶620997315**

ISC Event type se.
IDC Error ellipse: s-maj=49.6km s-min=26.1km az=78.0.

ISC	**VIII**	**04 09 45 29.6–.50**	**52.70S–.07**	**18.7E–.10**	**13**	**4.7b,4.3s**	**44**	**20-166**
IDC	VIII	04 09 45 27.9–.59	52.74S	18.75E	0	4.3b,4.3		**¶620969956**
NEIC	VIII	04 09 45 29.5–.83	52.69S–.03	18.8E–.30	10–1	4.8b,4.3		
GCMT	VIII	04 09 45 33.2–.20	52.81S–.02	19.08E–.04	13–1	5.0W,4.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108040945A. Moment Tensor Solution. s27,c28; s96,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.45±.20 $M_{\theta\theta}$2.60±.14; $M_{\phi\phi}$0.85±.11; $M_{r\theta}$0.24±.32; $M_{\theta\phi}$-0.71±.09; $M_{\phi r}$-1.20±.35; Best double couple: NP1:ϕ_s98.00000°,δ41.00000°,λ-110.00000°. NP2:ϕ_s304.00000°,δ52.00000°,λ-73.00000°. Principal axes:
T 2.9190,Plg6.0000°,Azm22.0000°; N 0.8470,Plg13.0000°,Azm114.0000°
; P -3.7630,Plg75.0000°,Azm268.0000° $M_0$3.34100×10^{16}

ISC	**VIII**	**05 20 55 01.5–.57**	**52.66S–.10**	**18.7E–.10**	**13**	**4.5b,3.9s**	**35**	**20-166**
IDC	VIII	05 20 54 59.4–.69	52.66S	18.54E	0	4.2,4.1b		**¶620970779**
NEIC	VIII	05 20 55 01.5–1.6	52.7S–.10	18.7E–.20	10–1	4.7b,4.1b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**29 04 01 17.9–.28**	**52.40S–.05**	**13.60E–.06**	**10**	**5.0b,4.4s**	**224**	**18-164**
IDC	VIII	29 04 01 16.1–.48	52.28S	13.59E	0	4.6b,4.6		**¶621009925**
MOS	VIII	29 04 01 16.8–1.3	52.40S	13.56E	10	5.0b,4.4s		
NEIC	VIII	29 04 01 18.0–1.4	52.3S–.10	13.7E–.20	10–1	5.3b,4.4s		
GCMT	VIII	29 04 01 19.7–.20	52.33S–.01	13.82E–.03	12	5.1W,4.4s		
GFZ	VIII	29 04 01 19.2–.22	52S–4.0	14E–5.0	10	4.9,4.9b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108290401A. Moment Tensor Solution. s42,c59; s130,c216; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.17±.09 $M_{\theta\theta}$5.09±.08; $M_{\phi\phi}$0.08±.10; $M_{r\theta}$1.48±.27; $M_{\theta\phi}$-0.39±.08; $M_{\phi r}$0.05±.35; Best double couple: NP1:ϕ_s96.00000°,δ37.00000°,λ-87.00000°. NP2:ϕ_s273.00000°,δ53.00000°,λ-92.00000°. Principal axes:
T 5.3260,Plg8.0000°,Azm4.0000°; N 0.0580,Plg2.0000°,Azm274.0000°
; P -5.3810,Plg82.0000°,Azm172.0000° $M_0$5.35400×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**08 02 14 15.1–.70**	**52.6S–.10**	**18.7E–.10**	**13**	**4.3b,3.6s**	**27**	**20-147**
IDC	VIII	08 02 14 13.1–.73	52.68S	18.60E	0	4.2b,4.2		**¶620979006**
NEIC	VIII	08 02 14 15.4–2.1	52.77S–.07	18.7E–.20	10–1	4.5b,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**06 19 20 33.5–.71**	**52.3S–.10**	**12.9E–.20**	**10**	**4.4b,3.5s**	**24**	**20-151**
IDC	XI	06 19 20 31.9–.98	52.28S	13.13E	0	4.2b,4.2		**¶621415999**
NEIC	XI	06 19 20 34.0–1.5	52.34S–.03	12.9E–.30	10–1	4.4b,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**29 07 30 45.7–.71**	**52.2S–.10**	**13.6E–.10**	**10**	**4.3b,3.6s**	**23**	**21-151**
IDC	VIII	29 07 30 44.2–1.2	52.20S	13.70E	0	4.1b,4.1		**¶621073160**
NEIC	VIII	29 07 30 45.9–.70	52.3S–.10	13.6E–.20	10–1	4.3b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**19 21 52 24.0–.70**	**52.25S–.10**	**17.1E–.20**	**10**	**4.3b,3.4s**	**18**	**20-146**
IDC	IX	19 21 52 22.2–1.9	52.24S	17.07E	0	4.1b,4.1		**¶621113647**
NEIC	IX	19 21 52 24.4–1.3	52.3S–.10	17.0E–.30	10–1	4.6b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**16 17 33 16.9–.34**	**52.38S–.06**	**13.50E–.09**	**10**	**4.7b,4.3s**	**99**	**21-146**
IDC	X	16 17 33 15.6–.59	52.35S	13.49E	0	4.5b,4.5		**¶621204680**
NEIC	X	16 17 33 17.2–1.6	52.38S–.10	13.5E–.20	10–1	4.9b,4.5		
GFZ	X	16 17 33 18.1–.20	52S–3.0	13E–5.0	10	5.5b,5.0		
GCMT	X	16 17 33 19.9–.20	52.41S–.01	13.57E–.04	13–0	5.0W,5.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110161733A. Moment Tensor Solution. s35,c39; s97,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.16±.17 $M_{\theta\theta}$3.15±.12; $M_{\phi\phi}$0.00±.11; $M_{r\theta}$0.79±.25; $M_{\theta\phi}$-0.02±.08; $M_{\phi r}$-1.55±.36; Best double couple: NP1:ϕ_s71.00000°,δ41.00000°,λ-123.00000°. NP2:ϕ_s292.00000°,δ56.00000°,λ-65.00000°. Principal axes:
T 3.2610,Plg8.0000°,Azm4.0000°; N 0.6040,Plg21.0000°,Azm97.0000°
; P -3.8670,Plg67.0000°,Azm254.0000° $M_0$3.56400×10^{16}

IDC	**XII**	**20 10 15 02.8–1.3**	**51.93S**	**15.74E**	**0**	**4.0b,4.0**		**¶621685606**

IDC Error ellipse: s-maj=63.4km s-min=45.5km az=78.0.

(738) Reykjanes Ridge.

IDC	**VII**	**06 05 43 51.9–5.4**	**56.52N**	**34.22W**	**0**	**4.3L,3.7b**		**¶620928004**

IDC Error ellipse: s-maj=163.6km s-min=31.8km az=14.0.

IDC	**VII**	**08 01 13 16.7–1.5**	**56.68N**	**34.30W**	**0**	**3.4b,3.4**		**¶620928149**

IDC Error ellipse: s-maj=84.6km s-min=28.2km az=30.0.

ISC	**VII**	**15 04 17 49.0–.89**	**58.9N–.10**	**30.7W–.10**	**17**	**3.6b,3.4s**	**13**	**7-149**
IDC	VII	15 04 17 46.7–.98	58.92N	30.67W	0	3.7L,3.5b		**¶620928623**

ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=17.4km az=135.0.

ISC	**VII**	**15 05 21 58.1–1.6**	**59.2N–.30**	**31.2W–.20**	**14**	**3.7b**	**9**	**7-61**
IDC	VII	15 05 21 55.4–1.8	59.05N	30.99W	0	3.7,3.6b		**¶620928626**

ISC Event type se.

IDC Error ellipse: s-maj=53.2km s-min=20.0km az=151.0.
ISC VII 15 05 22 57.8–.77 59.1N–.10 30.8W–.10 14 3.6b 15 7-149
IDC VII 15 05 22 55.6–.80 59.05N 30.76W 0 3.6b,3.6 **¶620928627**
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=15.4km az=148.0.
ISC VII 15 05 25 12.0–.84 59.1N–.10 31.0W–.10 14 3.9b,3.5s 15 7-149
IDC VII 15 05 25 10.2–.98 59.06N 31.02W 0 3.8b,3.8 **¶620928628**
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=17.9km az=137.0.
ISC VII 17 20 31 26.7–1.1 58.0N–.20 31.7W–.10 10 3.7b,3.1s 11 8-62
IDC VII 17 20 31 25.3–1.3 57.99N 31.64W 0 3.7L,3.6b **¶620928788**
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=19.7km az=14.0.
ISC VII 23 08 01 10.5–.32 56.96N–.05 34.16W–.05 13 4.5b,3.9s 239 7-159
IDC VII 23 08 01 08.3–.56 56.81N 34.13W 0 4.1,4.0b **¶620845291**
NEIC VII 23 08 01 10.2–1.9 56.96N–.09 34.2W–.10 10–1 4.5b,4.0b
GFZ VII 23 08 01 10.8–.18 57N–4.0 34W–3.0 10 4.4b,4.4
GFZ VII 23 08 01 10.8 56.85N 34.07W 10 4.5W,4.4
INMG VII 23 08 01 12.0–5.7 57.15N 33.93W 10 4.6b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=15.2km s-min=10.6km az=176.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.2km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-7.82 $M_{\theta\theta}$2.04 $M_{\phi\phi}$5.78 $M_{r\theta}$-1.94 $M_{\theta r}$2.81 $M_{\phi r}$1.49 NP1:
ϕ_s193.41479°,δ48.46871°,λ-110.20138°. NP2:ϕ_s42.44338°,δ45.36855°,λ-68.69994°.
Principal axes: T 7.2958,Plg1.6011°,Azm297.5537°; N 1.1826,Plg14.9814°,Azm207.1251°
; P -8.4784,Plg74.9293°,Azm33.5121° $M_0$7.95334×10^{15}
INMG Event type ke. #DIST_RANGE: DISTANT.
ISC VII 15 07 05 27.2–.62 59.21N–.09 30.78W–.07 14 3.9b,3.7s 37 7-149
IDC VII 15 07 05 24.9–.72 59.19N 30.81W 0 3.8,3.7b **¶620928630**
NEIC VII 15 07 05 26.5–1.3 59.3N–.10 30.7W–.10 10–2 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 15 07 22 16.2–.65 59.3N–.10 30.99W–.07 10 3.7b,3.5s 22 7-149
IDC VII 15 07 22 14.7–.69 59.28N 30.97W 0 3.7L,3.7b **¶620928631**
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=12.1km az=172.0.
ISC VII 27 15 39 51.5–.50 56.4N–.10 34.32W–.05 10 4.4b,3.7s 87 11-146
IDC VII 27 15 39 50.0–.76 56.42N 34.26W 0 3.9b,3.9 **¶620978967**
NEIC VII 27 15 39 51.6–1.2 56.5N–.10 34.2W–.20 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 27 16 18 44.3–.45 56.5N–.10 34.23W–.06 10 4.4b,3.9s 75 10-146
IDC VII 27 16 18 42.8–.72 56.51N 34.19W 0 3.9b,3.9 **¶620978968**
NEIC VII 27 16 18 44.6–1.2 56.5N–.10 34.2W–.20 10–1 4.5b,3.9
GCMT VII 27 16 18 52.7–.30 56.79N–.05 34.43W–.06 22–1 4.8W,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107271618A. Moment Tensor Solution. s13,c15; s80,c102; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.02±.15 $M_{\theta\theta}$0.71±.11; $M_{\phi\phi}$1.30±.10; $M_{r\theta}$0.60±.19; $M_{\theta\phi}$-0.25±.05; $M_{\phi r}$0.39±.16; Best double couple: NP1:ϕ_s329.00000°,δ43.00000° ,λ-110.00000°. NP2:ϕ_s176.00000°,δ50.00000°,λ-72.00000°. Principal axes:
T 1.3990,Plg3.0000°,Azm253.0000°; N 0.7940,Plg14.0000°,Azm344.0000°
; P -2.1980,Plg76.0000°,Azm150.0000° $M_0$1.79800×10^{16}
ISC VII 28 05 06 15.9–1.1 56.3N–.30 34.28W–.10 22 3.6b,3.3s 15 11-146
IDC VII 28 05 06 12.8–1.1 56.37N 34.31W 0 3.6,3.5b **¶620979594**
ISC Event type se.
IDC Error ellipse: s-maj=40.4km s-min=16.7km az=175.0.
ISC VII 27 22 08 02.9–.69 56.6N–.20 34.34W–.09 22 4.3b 49 24-146
IDC VII 27 22 08 00.3–1.7 56.78N 34.34W 0 3.8b,3.8 **¶620978989**
NEIC VII 27 22 08 01.5–1.5 56.6N–.20 34.3W–.20 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 05 10 15.0–1.1 57.7N–.10 33.3W–.10 10 3.7b 10 9-145
IDC VIII 02 05 10 13.2–1.2 57.59N 33.29W 0 3.7,3.6b **¶620993205**
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=19.7km az=177.0.
IDC VII 30 17 47 60.0–6.2 56.63N 34.05W 0 3.7b,3.7
¶620986082
IDC Error ellipse: s-maj=168.8km s-min=46.6km az=9.0.
ISC VIII 12 10 59 18.6–.44 53.71N–.10 35.24W–.05 12 4.5b,4.2s 144 10-149
IDC VIII 12 10 59 16.0–.69 53.65N 35.18W 0 4.2s,3.9b **¶620984158**
NEIC VIII 12 10 59 18.6–1.2 53.7N–.10 35.2W–.20 10–1 4.5b,3.9b
GCMT VIII 12 10 59 19.6–.20 53.97N–.02 35.18W–.02 12 4.9W,3.9b
GFZ VIII 12 10 59 19.4 53.66N 35.16W 10 4.9W,3.9b
GFZ VIII 12 10 59 19.4–.24 54N–11 35W–4.0 10 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108121059A. Moment Tensor Solution. s32,c34; s113,c171; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.73±.06 $M_{\theta\theta}$0.18±.07; $M_{\phi\phi}$2.54±.05; $M_{r\theta}$1.48±.27; $M_{\theta\phi}$0.18±.05; $M_{\phi r}$0.11±.23; Best double couple: NP1:ϕ_s344.00000°,δ46.00000° ,λ-122.00000°. NP2:ϕ_s206.00000°,δ52.00000°,λ-61.00000°. Principal axes:
T 2.5650,Plg3.0000°,Azm276.0000°; N 0.7780,Plg23.0000°,Azm7.0000°
; P -3.3500,Plg67.0000°,Azm179.0000° $M_0$2.95800×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.60 $M_{\theta\theta}$0.38 $M_{\phi\phi}$2.22 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.00 $M_{\phi r}$-0.61 NP1:
ϕ_s188.13447°,δ38.46535°,λ-75.55147°. NP2:ϕ_s349.91948°,δ52.96036°,λ-101.21200°.
Principal axes: T 2.2968,Plg7.3376°,Azm87.8878°; N 0.4606,Plg8.9287°,Azm356.7285°
; P -2.7574,Plg78.4047°,Azm216.7596° $M_0$2.55841×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 12 11 17 16.0–.89 53.7N–.20 35.1W–.10 12 3.7b,3.5s 14 15-149
IDC VIII 12 11 17 14.1–.92 53.67N 35.07W 0 3.8L,3.7 **¶621009402**
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=17.0km az=3.0.
ISC VIII 13 07 37 15.1–.48 53.8N–.10 35.21W–.06 14 4.2b 56 9-149
IDC VIII 13 07 37 13.2–.63 53.79N 35.13W 0 3.9b,3.9 **¶621012075**
NEIC VIII 13 07 37 14.9–1.0 53.9N–.10 35.3W–.10 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 13 13 52.6–1.1 53.6N–.30 35.3W–.20 16 3.6b,3.4s 6 13-149
IDC VIII 12 13 13 50.2–1.3 53.62N 35.31W 0 3.5b,3.5 **¶621009414**
ISC Event type se.
IDC Error ellipse: s-maj=55.6km s-min=24.3km az=33.0.
ISC VIII 12 13 15 36.1–1.1 53.6N–.30 35.2W–.20 12 3.6b 8 25-149
IDC VIII 12 13 15 34.4–1.3 53.64N 35.20W 0 3.6b,3.6 **¶621009415**
ISC Event type se.
IDC Error ellipse: s-maj=52.9km s-min=25.9km az=25.0.
ISC VIII 13 07 38 18.5–.41 53.71N–.08 35.05W–.05 12 4.6b,4.2s 94 9-149
IDC VIII 13 07 38 16.1–.59 53.75N 35.13W 0 4.3s,4.1b **¶621012076**
NEIC VIII 13 07 38 18.3–2.2 53.69N–.10 35.0W–.10 10–1 4.7b,4.1b
GCMT VIII 13 07 38 23.1–.30 53.98N–.05 35.24W–.04 12 5.0W,4.1b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108130738A. Moment Tensor Solution. s6,c7; s75,c114; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.61±.15 $M_{\theta\theta}$0.74±.17; $M_{\phi\phi}$2.87±.11; $M_{r\theta}$2.32±.80; $M_{\theta\phi}$0.43±.12; $M_{\phi r}$0.69±.63; Best double couple: NP1:ϕ_s358.00000°,δ37.00000° ,λ-124.00000°. NP2:ϕ_s218.00000°,δ60.00000°,λ-67.00000°. Principal axes:
T 3.2050,Plg12.0000°,Azm292.0000°; N 1.4390,Plg19.0000°,Azm26.0000°
; P -4.6440,Plg67.0000°,Azm171.0000° $M_0$3.92400×10^{16}
IDC VIII 21 05 01 13.3–3.4 54.06N 34.86W 0 3.5b,3.5
¶621042971
IDC Error ellipse: s-maj=168.4km s-min=46.6km az=46.0.
ISC IX 15 03 21 08.3–1.2 58.3N–.20 32.1W–.10 13 3.5b 10 8-69
IDC IX 15 03 21 06.5–1.3 58.28N 32.07W 0 3.5,3.4L **¶621111967**
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=19.7km az=3.0.
ISC IX 14 09 48 38.0–.70 54.3N–.10 35.59W–.08 10 3.8b,3.5s 23 9-84
IDC IX 14 09 48 37.1–1.7 54.09N 35.37W 0 4.1L,3.6b **¶621110831**
NEIC IX 14 09 48 38.3–.69 54.3N–.10 35.6W–.20 10–2 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 06 20 44 56.7–2.1 55.2N–.40 35.4W–.20 10 3.8b,3.3s 8 12-148
IDC IX 06 20 44 55.4–2.2 55.17N 35.35W 0 3.8b,3.7 **¶621094282**
ISC Event type se.
IDC Error ellipse: s-maj=65.7km s-min=25.8km az=30.0.
IDC IX 11 17 18 08.8–1.3 54.59N 34.58W 0 3.4b,3.4
¶621108596
IDC Error ellipse: s-maj=60.7km s-min=26.7km az=7.0.
ISC IX 15 03 25 16.2–.96 58.2N–.20 32.10W–.09 14 3.8b,3.5s 16 8-68
IDC IX 15 03 25 14.1–.99 58.27N 32.08W 0 3.7,3.6b **¶621111968**
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=14.4km az=179.0.
ISC IX 15 03 47 05.3–.44 58.62N–.08 31.91W–.05 13 4.5b,3.9s 126 8-149
IDC IX 15 03 47 01.6–.69 58.41N 31.89W 0 4.0b,4.0 **¶621073656**
GFZ IX 15 03 47 05.8–.19 59N–8.0 32W–3.0 10 5.4b,4.9
NEIC IX 15 03 47 05.2–1.8 58.7N–.10 31.9W–.10 10–1 4.6b,4.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 03 23 51.4–.53 54.1N–.10 35.14W–.07 14 4.0b,3.6s 43 15-148
IDC IX 28 03 23 49.2–.69 54.05N 35.16W 0 3.9,3.8b **¶621140793**
NEIC IX 28 03 23 51.5–1.1 54.15N–.10 35.1W–.20 10–1 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 15 04 32 44.9–1.4 58.4N–.30 32.2W–.10 13 3.3b 8 16-69
IDC IX 15 04 32 42.9–1.6 58.41N 32.23W 0 3.5s,3.3b **¶621111970**
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=22.5km az=13.0.
ISC IX 26 10 03 49.5–.50 58.06N–.09 32.51W–.05 18 4.3b,3.5s 98 7-144
IDC IX 26 10 03 46.8–.68 57.98N 32.45W 0 3.8b,3.8 **¶621131503**
NEIC IX 26 10 03 48.6–1.1 58.09N–.10 32.5W–.10 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 19 02 29.6–.52 56.38N–.09 34.17W–.07 10 4.6b,3.8s 70 10-146
IDC IX 22 19 02 28.1–.78 56.37N 34.24W 0 3.9,3.8b **¶621106354**
NEIC IX 22 19 02 29.6–2.0 56.3N–.10 34.2W–.20 10–1 4.6b,3.8b
GCMT IX 22 19 02 33.2–.30 56.49N–.06 34.18W–.05 14–1 4.7W,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109221902A. Moment Tensor Solution. s11,c11; s79,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.25±.12 $M_{\theta\theta}$0.19±.08; $M_{\phi\phi}$1.05±.08; $M_{r\theta}$-0.11±.29; $M_{\theta\phi}$-0.18±.05; $M_{\phi r}$-0.05±.20; Best double couple: NP1:ϕ_s164.00000° ,δ45.00000°,λ-97.00000°. NP2:ϕ_s353.00000°,δ46.00000°,λ-83.00000°. Principal axes:
T 1.0880,Plg1.0000°,Azm79.0000°; N 0.1640,Plg5.0000°,Azm169.0000°
; P -1.2610,Plg85.0000°,Azm340.0000° $M_0$1.17400×10^{16}
IDC IX 22 19 23 39.5–5.2 53.76N 35.78W 0 3.7b,3.7
¶621118173
IDC Error ellipse: s-maj=143.9km s-min=49.4km az=7.0.
ISC IX 25 20 17 34.6–.95 53.2N–.30 35.22W–.10 13 3.9b,3.2s 16 19-149
IDC IX 25 20 17 32.8–1.0 53.22N 35.21W 0 3.7b,3.7 **¶621131468**
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=17.0km az=3.0.
ISC IX 26 03 07 31.8–.81 58.09N–.06 32.51W–.05 14–5 4.5b,4.1s 245 9-148
IDC IX 26 03 07 29.0–.48 57.97N 32.45W 0 4.2b,4.2 **¶621110147**
NEIC IX 26 03 07 30.9–1.5 58.04N–.09 32.4W–.20 10–1 4.6b,4.2
GCMT IX 26 03 07 31.7–.20 58.11N–.03 32.21W–.02 12 4.8W,4.2
GFZ IX 26 03 07 32.4 57.98N 32.58W 12 4.8W,4.2
GFZ IX 26 03 07 32.6–.30 58N–6.0 33W–4.0 10 5.2b,4.5
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109260307A. Moment Tensor Solution. s19,c22; s114,c165; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.96±.06 $M_{\theta\theta}$0.11±.07; $M_{\phi\phi}$1.85±.04; $M_{r\theta}$0.28±.25; $M_{\theta\phi}$0.47±.04; $M_{\phi r}$-0.26±.20; Best double couple: NP1:ϕ_s203.00000°,δ43.00000° ,λ-76.00000°. NP2:ϕ_s5.00000°,δ48.00000°,λ-102.00000°. Principal axes:
T 1.9770,Plg3.0000°,Azm104.0000°; N 0.0420,Plg9.0000°,Azm13.0000°
; P -2.0220,Plg80.0000°,Azm210.0000° $M_0$1.99900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.71 $M_{\theta\theta}$0.48 $M_{\phi\phi}$1.23 $M_{r\theta}$-0.20 $M_{\theta\phi}$0.07 $M_{\phi r}$-0.98 NP1:
ϕ_s184.01110°,δ28.02284°,λ-93.81759°. NP2:ϕ_s8.33390°,δ62.04480°,λ-87.97055°.
Principal axes: T 1.5382,Plg17.0213°,Azm96.8333°; N 0.4818,Plg1.7926°,Azm187.3822°
; P -2.0200,Plg72.8788°,Azm283.2133° $M_0$1.82737×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 26 12 15 30.0–1.1 54.1N–.20 35.1W–.10 14 3.8b,3.2s 7 18-149
IDC IX 26 12 15 28.0–1.3 54.06N 35.13W 0 3.6b,3.6 **¶621131512**
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=27.5km az=3.0.
ISC IX 23 01 18 29.2–.50 56.5N–.10 34.41W–.06 10 4.4b,3.6s 67 7-146
IDC IX 23 01 18 27.8–.69 56.49N 34.37W 0 4.0b,4.0 **¶621125822**
NEIC IX 23 01 18 29.5–1.1 56.5N–.10 34.4W–.10 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 04 17 20.3–.48 54.22N–.09 35.02W–.06 14 4.2b,3.6s 51 9-148
IDC IX 28 04 17 17.7–.77 54.05N 35.05W 0 3.9b,3.9 **¶621140794**
NEIC IX 28 04 17 20.1–2.0 54.28N–.08 35.0W–.20 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 29 10 49 44.4–.88 57.8N–.20 32.6W–.10 18 3.8b 10 19-69
IDC IX 29 10 49 41.6–.96 57.77N 32.59W 0 3.7s,3.6b **¶621146368**
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=19.0km az=17.0.
ISC IX 29 11 02 11.8–.47 58.02N–.08 32.19W–.06 14 4.4b,4.1s 58 7-148
IDC IX 29 11 02 09.7–.71 58.07N 32.32W 0 4.2s,4.0b **¶621146369**
NEIC IX 29 11 02 10.7–1.3 58.0N–.10 32.1W–.10 10–1 4.7b,4.0b
GCMT IX 29 11 02 12.3–.30 58.07N–.04 32.26W–.04 13–1 4.9W,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109291102A. Moment Tensor Solution. s22,c25; s91,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.96±.23 $M_{\theta\theta}$0.47±.15; $M_{\phi\phi}$2.49±.16; $M_{r\theta}$-1.27±.50; $M_{\theta\phi}$0.10±.10; $M_{\phi r}$0.93±.39; Best double couple: NP1:ϕ_s17.00000°,δ38.00000° ,λ-62.00000°. NP2:ϕ_s162.00000°,δ57.00000°,λ-110.00000°. Principal axes:
T 2.6510,Plg10.0000°,Azm267.0000°; N 0.8670,Plg17.0000°,Azm174.0000°
; P -3.5190,Plg70.0000°,Azm26.0000° $M_0$3.08500×10^{16}

ISC X 06 12 46 57.3–1.1 56.6N–.30 34.3W–.10 22 3.4b,3.4s 8 10-146
IDC X 06 12 46 53.9–1.3 56.65N 34.32W 0 3.4s,3.3b **¶621217151**
ISC Event type se.
IDC Error ellipse: s-maj=43.7km s-min=21.6km az=6.0.
ISC XII 07 17 37 04.8–.54 56.95N–.09 34.35W–.06 10 4.5b 78 7-147
IDC XII 07 17 37 02.6–.77 56.58N 34.21W 0 3.9b,3.9 **¶621632683**
NEIC XII 07 17 37 04.9–1.9 56.81N–.06 34.2W–.10 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 10 16 29 31.4–.62 57.8N–.10 32.57W–.08 18 4.2b 37 8-148
NEIC X 10 16 29 29.5–1.9 57.6N–.10 32.6W–.10 10–1 4.3b **¶621235396**
IDC X 10 16 29 30.4–.89 58.03N 32.37W 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=12.8km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.6km s-min=19.4km az=16.0.
ISC X 10 17 25 47.4–3.4 56.6N–.70 32.0W–.20 10 3.6b,3.0s 8 10-146
IDC X 10 17 25 46.8–3.3 56.76N 32.01W 0 3.5b,3.5 **¶621235398**
ISC Event type se.
IDC Error ellipse: s-maj=105.7km s-min=26.5km az=172.0.
IDC XI 07 02 29 27.7–2.9 53.39N 35.22W 0 3.6b,3.6 ¶621416012
IDC Error ellipse: s-maj=91.2km s-min=43.2km az=37.0.
ISC XI 26 19 29 39.9–3.4 54.18N–.07 35.15W–.05 2–21 4.7b,4.0s 220 9-148
NEIC XI 26 19 29 40.9–1.2 54.19N–.09 35.1W–.10 10–1 4.7b,4.0s **¶621476302**
IDC XI 26 19 29 40.1–.51 54.18N 35.10W 0 4.3,4.2b
GFZ XI 26 19 29 43.2–.25 54N–6.0 35W–3.0 10 4.6b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XI 13 16 47 39.2–.36 57.75N–.06 32.66W–.04 10 4.5b,3.8s 266 7-160
IDC XI 13 16 47 37.0–.51 57.72N 32.76W 0 4.2,4.1b **¶621402819**
NEIC XI 13 16 47 39.3–1.9 57.82N–.09 32.7W–.10 10–1 4.6b,4.1b
GFZ XI 13 16 47 40.9–.26 58N–4.0 32W–3.0 10 5.4b,5.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 26 23 07 50.5–.48 60.71N–.07 28.50W–.05 10 4.2b,3.1s 86 4-151
IDC XI 26 23 07 48.5–.73 60.63N 28.69W 0 4.3L,3.9 **¶621622032**
REY XI 26 23 07 48.6 60.40N 27.44W 10 4.3L,3.9
NEIC XI 26 23 07 50.4–1.4 60.69N–.03 28.5W–.10 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 27 12 12 08.1–.82 58.4N–.10 32.0W–.10 13 3.7b,3.4s 16 8-148
IDC XI 27 12 12 06.1–.95 58.36N 31.94W 0 3.7,3.6b **¶621625123**
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=16.6km az=160.0.
ISC X 10 15 54 30.9–.49 57.70N–.09 32.74W–.06 10 4.3b,3.4s 67 8-148
IDC X 10 15 54 29.8–.72 57.77N 32.71W 0 3.9b,3.9 **¶621235394**
NEIC X 10 15 54 31.2–1.5 57.79N–.10 32.7W–.20 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 10 16 09 35.3–.31 57.85N–.06 32.75W–.04 10 4.8b,4.2s 235 7-148
BJI X 10 16 09 30.8 57.83N 33.38W 8 5.3s,5.2b **¶621144240**
IDC X 10 16 09 33.1–.48 57.72N 32.71W 0 4.4b,4.4
GCMT X 10 16 09 35.8–.20 58.05N–.02 32.44W–.02 12 4.9W,4.4
NEIC X 10 16 09 35.3–.91 57.86N–.08 32.7W–.10 10–1 4.8b,4.4
GFZ X 10 16 09 36.3 57.91N 32.57W 12 4.8W,4.4
GFZ X 10 16 09 36.3–.14 58N–4.0 33W–2.0 10 6.0b,5.6
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110101609A. Moment Tensor Solution. s29,c33; s111,c183; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.06±.05 $M_{\theta\theta}$0.13±.06; $M_{\phi\phi}$1.92±.04; $M_{r\theta}$1.57±.21; $M_{\theta\phi}$0.59±.04; $M_{\phi r}$-0.65±.16; Best double couple: NP1:ϕ_s221.00000°,δ49.00000°,λ-49.00000°. NP2:ϕ_s349.00000°,δ55.00000°,λ-127.00000°. Principal axes: T 2.1060,Plg3.0000°,Azm104.0000°; N 0.9090,Plg29.0000°,Azm12.0000° ; P -3.0230,Plg60.0000°,Azm200.0000° M_o2.56500×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.99 $M_{\theta\theta}$0.43 $M_{\phi\phi}$1.56 $M_{r\theta}$-0.40 $M_{\theta\phi}$0.12 $M_{\phi r}$-1.16 NP1: ϕ_s182.26376°,δ28.18552°,λ-99.11634°. NP2:ϕ_s12.58169°,δ62.20160°,λ-85.14705°. Principal axes: T 1.9362,Plg17.0672°,Azm98.9940°; N 0.4360,Plg4.2918°,Azm190.3142° ; P -2.3721,Plg72.3692°,Azm293.9727° M_o2.18700×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 10 16 22 24.0–.98 58.0N–.20 32.6W–.20 18 3.5b 8 26-148
IDC X 10 16 22 20.7–1.1 57.94N 32.69W 0 3.6b,3.6 **¶621235395**
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=23.0km az=29.0.
ISC XI 07 06 20 50.6–.45 53.29N–.09 35.30W–.06 16 4.5b,3.5s 110 10-149
IDC XI 07 06 20 48.1–.55 53.29N 35.27W 0 4.2b,4.2 **¶621416023**
NEIC XI 07 06 20 50.2–1.0 53.4N–.10 35.3W–.20 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 11 09 55.2–.90 53.2N–.30 35.6W–.20 10 3.6b,3.3s 10 14-149
IDC XI 19 11 09 53.9–1.0 53.19N 35.60W 0 3.5,3.4b **¶621590287**
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=20.4km az=25.0.
ISC XII 10 02 13 24.4–.91 57.6N–.20 32.5W–.10 10 3.7b,3.5s 12 18-145
IDC XII 10 02 13 22.6–1.0 57.64N 32.61W 0 3.6b,3.6 **¶621644096**
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=18.7km az=1.0.
ISC XII 14 12 33 53.2–3.0 52.7N–.60 34.9W–.20 14 3.8b 10 19-146
IDC XII 14 12 33 51.3–3.1 52.72N 34.89W 0 3.8b,3.8 **¶621652919**
ISC Event type se.
IDC Error ellipse: s-maj=87.7km s-min=22.6km az=176.0.
ISC XII 24 14 46 40.5–2.0 52.8N–.40 35.4W–.20 10 3.8b 10 25-150
IDC XII 24 14 46 39.3–1.9 52.88N 35.30W 0 3.7b,3.7 **¶621700091**
ISC Event type se.
IDC Error ellipse: s-maj=55.0km s-min=23.9km az=23.0.
ISC XII 26 10 50 36.9–.48 53.60N–.10 34.55W–.06 10 4.5b 53 10-149
IDC XII 26 10 50 33.0–2.2 52.97N 35.14W 0 3.8s,3.7b **¶621700216**
NEIC XII 26 10 50 37.1–1.5 53.69N–.05 34.6W–.10 10–1 4.7b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 27 09 59 01.9–.87 56.9N–.10 34.03W–.07 13 4.0b,3.8s 35 7-146
IDC XII 27 09 58 59.3–1.3 56.83N 34.14W 0 3.8,3.7L **¶621717306**
NEIC XII 27 09 59 02.0–1.5 57.0N–.10 33.99W–.06 10–2 4.2b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(739) Azores-Cape St. Vincent Ridge.

ISC VII 05 11 02 50.2–2.3 36.64N–.06 12.9W–.10 10 94 3-9
MDD VII 05 11 02 54.9–.98 36.72N 13.06W 26–33 4.2b,3.5 **¶620733913**
IGIL VII 05 11 02 55.8 36.63N 13.20W 22 2.2L,3.5
INMG VII 05 11 02 56.2–1.3 36.63N 13.19W 24 2.4L,3.5
CNRM VII 05 11 03 05.2 36.13N 11.76W 4 2.4L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=32.5km s-min=7.5km az=58.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=4.0km az=118.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Josephine.
ISC VII 13 21 06 45.1–1.9 36.44N–.04 11.57W–.09 35 215 2-10
MDD VII 13 21 06 47.1–.49 36.52N 11.72W 36–19 4.5b,3.9 **¶620823833**
IGIL VII 13 21 06 50.3 36.52N 11.52W 31 2.9L,3.9
INMG VII 13 21 06 50.0–1.8 36.54N 11.53W 31–28 3.1L,3.9
CNRM VII 13 21 06 52.4 36.12N 10.75W 10 3.1L,3.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=2.9km az=65.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=87.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC VII 20 00 26 41.7–2.0 36.82N–.06 11.38W–.10 10 70 2-7
MDD VII 20 00 26 46.7–1.3 36.80N 11.39W 35–33 3.9b,3.2 **¶620834069**
CNRM VII 20 00 26 47.7 36.54N 10.70W 10 3.9b,3.2
IGIL VII 20 00 26 48.0 36.80N 11.30W 30 1.9L,3.2
INMG VII 20 00 26 48.5–1.1 36.81N 11.32W 31 1.8L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=19.3km s-min=4.8km az=53.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=84.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC VII 31 01 24 12.9–1.8 36.93N–.05 11.06W–.09 35 149 2-8
MDD VII 31 01 24 14.3–.61 36.93N 11.17W 36–19 3.1 **¶620923882**
IGIL VII 31 01 24 16.2 36.93N 11.01W 30 2.4L
INMG VII 31 01 24 16.5–1.4 36.94N 11.02W 31–21 2.5L
CNRM VII 31 01 24 19.2 36.52N 10.36W 11 2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.7km s-min=3.7km az=57.0.
INMG Event type ke. Error ellipse: s-maj=15.4km s-min=3.5km az=62.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC VII 22 07 05 05.4–2.4 36.53N–.04 11.1W–.10 23–16 39 2-7
INMG VII 22 07 05 10.8–1.4 36.67N 11.04W 25 1.8L **¶620929476**
IGIL VII 22 07 05 10.3 36.67N 11.04W 25 1.9L
CNRM VII 22 07 05 13.9 36.16N 10.39W 10 3.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=12.1km s-min=9.5km az=108.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC VII 22 02 06 08.2–1.9 36.56N–.05 11.01W–.10 35 98 2-7
MDD VII 22 02 06 08.9–.59 36.59N 11.09W 24 2.9 **¶620844256**
CNRM VII 22 02 06 10.3 36.32N 10.53W 9 2.9
IGIL VII 22 02 06 11.1 36.60N 11.03W 33 1.7L
INMG VII 22 02 06 11.2–1.3 36.61N 11.07W 35 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=82.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=87.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC VII 26 03 26 18.3–2.0 37.49N–.07 15.8W–.10 10 70 4-9
MDD VII 26 03 26 25.5–.95 37.59N 15.72W 18 4.1b,3.4 **¶620846038**
INMG VII 26 03 26 26.6–.99 37.36N 15.93W 10–6 2.2L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.4km s-min=6.0km az=69.0.
INMG Event type ke. Error ellipse: s-maj=10.9km s-min=2.5km az=121.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Madeira-Tore.
ISC VII 31 02 50 26.6–2.1 36.87N–.05 11.1W–.10 35 61 2-7
MDD VII 31 02 50 30.8–1.4 36.97N 10.93W 28–16 2.6 **¶621742115**
INMG VII 31 02 50 30.7–1.5 36.92N 10.98W 31 1.9L
CNRM VII 31 02 50 30.8 36.57N 10.50W 10 1.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=13.6km s-min=5.7km az=72.0.
INMG Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=86.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC VII 31 21 21 17.4–2.1 36.45N–.05 11.2W–.10 91–31 65 2-7
MDD VII 31 21 21 19.2–1.4 36.54N 11.24W 23 3.7b,3.0 **¶620925386**
INMG VII 31 21 21 20.7–1.0 36.49N 11.24W 42 1.8L,3.0
CNRM VII 31 21 21 21.8 36.15N 10.62W 12 1.8L,3.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.2km s-min=9.5km az=35.0.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=104.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC VIII 24 16 01 05.4–3.4 36.6N–.10 11.4W–.20 10 55 2-7
MDD VIII 24 16 01 08.5–1.4 36.65N 11.31W 10 3.8b,3.0 **¶621002175**
IGIL VIII 24 16 01 08.0 35.52N 10.61W 35 2.3L,3.0
INMG VIII 24 16 01 09.2–1.6 36.55N 11.42W 25–17 2.2L,3.0
CNRM VIII 24 16 01 12.8 36.00N 10.46W 0 3.4L,3.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.6km s-min=8.7km az=61.0.
INMG Event type ke. Error ellipse: s-maj=11.5km s-min=5.7km az=73.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC VIII 07 02 37 34.1–1.9 38.84N–.04 11.19W–.09 35 125 1-9
MDD VIII 07 02 37 37.0–.68 38.84N 11.09W 30 3.0 **¶620976032**
INMG VIII 07 02 37 38.9–1.3 38.80N 11.23W 10 2.0L
IGIL VIII 07 02 37 38.7 38.78N 11.25W 30 1.8L
CNRM VIII 07 02 37 46.2 37.97N 10.02W 10 1.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.8km s-min=3.1km az=76.0.
INMG Event type ke. Error ellipse: s-maj=4.4km s-min=2.1km az=83.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Abissal do Tejo.
ISC VIII 10 08 18 08.2–1.9 35.98N–.04 10.44W–.07 29–15 204 2-9
CNRM VIII 10 08 18 10.6 35.80N 10.04W 11 4.0L **¶620979412**
MDD VIII 10 08 18 11.4–.40 36.11N 10.59W 33–10 3.8
INMG VIII 10 08 18 12.7–1.2 36.08N 10.54W 31–36 3.3L
IGIL VIII 10 08 18 13.5 36.05N 10.49W 31 3.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=72.0.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=93.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC VIII 20 01 22 04.8–1.3 36.74N–.04 11.71W–.06 35 158 2-9
CNRM VIII 20 01 22 03.0 36.81N 11.97W 88 **¶620997440**
MDD VIII 20 01 22 07.4–.62 36.71N 11.69W 38–23 4.0b,3.3
INMG VIII 20 01 22 09.8–1.3 36.76N 11.58W 31–22 2.3L,3.3
IGIL VIII 20 01 22 09.8 36.74N 11.59W 31 2.2L,3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=3.6km az=75.0.
INMG Event type ke. Error ellipse: s-maj=16.7km s-min=3.9km az=64.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC VIII 04 04 09 35.3–4.1 37.2N–.10 14.2W–.20 10 41 4-8
MDD VIII 04 04 09 31.4–1.4 37.07N 14.56W 0 3.9b,3.2 **¶620966417**
INMG VIII 04 04 09 34.4–.97 36.90N 14.78W 27 2.1L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.3km s-min=10.0km az=155.0.
INMG Event type ke. Error ellipse: s-maj=7.4km s-min=7.1km az=125.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Josephine.
ISC VIII 24 02 29 42.3–2.4 36.37N–.05 12.0W–.10 10 61 3-7
MDD VIII 24 02 29 50.7–1.1 36.75N 11.76W 0 3.9b,3.2 **¶621001076**
CNRM VIII 24 02 29 51.1 36.20N 11.30W 9 3.9b,3.2
INMG VIII 24 02 29 52.0–.91 36.59N 11.96W 31 1.6L,3.2
IGIL VIII 24 02 29 52.4 36.59N 11.94W 31 1.4L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.8km s-min=7.9km az=38.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=89.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC IX 04 16 43 47.3–3.1 36.33N–.04 12.1W–.10 14–22 118 3-7
MDD IX 04 16 43 53.0–.87 36.49N 12.13W 19–28 3.8b,3.1 **¶625045515**
CNRM IX 04 16 43 56.0 35.91N 11.71W 19 3.5L,3.1
INMG IX 04 16 43 56.2–1.6 36.57N 11.99W 16–46 2.4L,3.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=32.3km s-min=6.8km az=56.0.
INMG Event type ke. Error ellipse: s-maj=44.5km s-min=5.3km az=61.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC IX 09 18 44 38.3–1.9 37.03N–.06 13.53W–.09 10 95 4-8
MDD IX 09 18 44 44.5–.91 37.07N 13.24W 0 4.2b,3.5 **¶621049370**

IGIL IX 09 18 44 46.0 36.90N 13.60W 28 2.5L,3.5
INMG IX 09 18 44 46.1–1.3 36.90N 13.60W 10 2.3L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.4km s-min=6.6km az=10.0.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=3.3km az=131.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Josephine.
ISC IX 08 20 49 59.3–3.9 37.2N–.10 13.0W–.20 10 37 3-7
MDD IX 08 20 49 57.5–1.4 37.08N 13.15W 0 3.8b,3.1 **¶621044102**
INMG IX 08 20 49 58.4–1.4 36.94N 13.63W 10 2.0L,3.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=13.2km s-min=10.1km az=172.0.
INMG Event type ke. Error ellipse: s-maj=10.6km s-min=9.0km az=110.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Josephine.
ISC IX 18 14 12 14.4–1.5 36.94N–.04 10.42W–.07 35 224 1-10
CNRM IX 18 14 12 15.9 36.71N 10.39W 33 3.7L **¶621082983**
MDD IX 18 14 12 15.3–.43 36.92N 10.54W 35 3.6
INMG IX 18 14 12 16.8–1.9 36.91N 10.45W 31–8 3.0L
IGIL IX 18 14 12 16.8 36.89N 10.44W 32 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=65.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=74.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC IX 11 10 17 32.8–2.5 35.29N–.06 11.8W–.10 35 77 3-7
CNRM IX 11 10 17 32.9 35.16N 11.81W 53 3.0L **¶621069783**
MDD IX 11 10 17 35.5–1.1 35.63N 11.78W 0 3.9b,3.2
IGIL IX 11 10 17 35.5 35.37N 11.93W 34 2.7L,3.2
INMG IX 11 10 17 36.0–1.0 35.35N 11.91W 33 2.6L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.2km s-min=8.1km az=151.0.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=3.3km az=103.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Horseshoe-Ampere.
ISC IX 13 02 57 15.6–3.2 36.56N–.05 11.16W–.09 16–23 133 2-7
MDD IX 13 02 57 17.3–.80 36.54N 11.20W 10–8 4.1b,3.4 **¶621070926**
CNRM IX 13 02 57 18.2 36.48N 11.19W 70 4.1b,3.4
INMG IX 13 02 57 19.4–1.3 36.53N 11.23W 23–9 2.2L,3.4
IGIL IX 13 02 57 19.0 36.52N 11.23W 26 2.2L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.0km s-min=4.1km az=73.0.
INMG Event type ke. Error ellipse: s-maj=8.7km s-min=3.1km az=80.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC IX 19 22 48 57.5–3.2 36.96N–.06 13.1W–.20 10 86 3-8
MDD IX 19 22 48 58.8–1.1 37.05N 13.39W 27 4.1b,3.4 **¶621083213**
INMG IX 19 22 49 01.0–1.2 36.96N 13.56W 28 2.2L,3.4
CNRM IX 19 22 49 04.0 36.58N 12.66W 14 2.2L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.1km s-min=6.2km az=45.0.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=5.7km az=75.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Josephine.
ISC X 02 15 37 36.9–4.0 36.9N–.10 13.8W–.20 10 50 4-8
MDD X 02 15 37 31.9–1.0 36.79N 14.21W 0 4.1b,3.4 **¶621116984**
INMG X 02 15 37 35.2–1.2 36.65N 14.49W 10 2.3L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=6.6km az=114.0.
INMG Event type ke. Error ellipse: s-maj=8.2km s-min=6.6km az=129.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Josephine.
ISC IX 30 06 11 27.2–2.2 36.56N–.05 11.3W–.10 35 74 2-7
MDD IX 30 06 11 28.1–1.2 36.67N 11.38W 16 3.9b,3.2 **¶621113165**
INMG IX 30 06 11 31.1–1.2 36.63N 11.30W 31 1.9L,3.2
IGIL IX 30 06 11 31.1 36.62N 11.28W 31 1.6L,3.2
CNRM IX 30 06 11 38.1–5.0 36.14N 10.21W 17–67 1.6L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.1km s-min=8.2km az=26.0.
INMG Event type ke. Error ellipse: s-maj=8.5km s-min=6.6km az=108.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
CNRM Error ellipse: s-maj=76.5km s-min=12.2km az=96.0.
ISC IX 22 02 18 54.0–3.6 37.2N–.10 13.0W–.20 10 52 3-7
MDD IX 22 02 18 54.5–1.1 37.05N 13.42W 50 4.1b,3.5 **¶621094775**
INMG IX 22 02 18 55.9–1.1 37.02N 13.54W 10 2.2L,3.5
IGIL IX 22 02 18 56.1 37.04N 13.52W 30 2.2L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.0km s-min=7.8km az=19.0.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=5.4km az=85.0. #DIST_RANGE: LOCAL #IPMA_REGION: Josephine.
ISC X 14 02 49 54.4–1.2 35.99N–.04 11.65W–.06 10 87 3-7
MDD X 14 02 49 54.7–1.1 36.10N 12.06W 15–13 3.9b,3.2 **¶621148703**
IGIL X 14 02 49 56.2 35.94N 12.24W 33 1.8L,3.2
INMG X 14 02 49 56.2–2.6 35.31N 11.55W 32–*** 1.9L,3.2
CNRM X 14 02 49 59.8–.56 35.82N 11.36W 88–24 1.9L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=14.8km s-min=5.7km az=83.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=999.0km s-min=999.0km az=0.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Horseshoe-Ampere.
CNRM Error ellipse: s-maj=6.9km s-min=2.7km az=82.0.
ISC X 08 02 54 08.8–3.4 36.92N–.10 12.2W–.20 10 56 3-7
MDD X 08 02 54 07.8–.95 36.80N 12.47W 10–14 3.9b,3.2 **¶621134164**
INMG X 08 02 54 11.1–1.3 36.52N 12.48W 10 1.7L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=18.6km s-min=5.6km az=69.0.
INMG Event type ke. Error ellipse: s-maj=8.3km s-min=6.5km az=112.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
MDD X 04 23 43 48.1–1.4 37.48N 15.44W 6 4.2b,3.5
INMG X 04 23 43 54.3–.89 37.46N 15.53W 31 2.2L,3.5 **¶621120417**
MDD Event type ke. Error ellipse: s-maj=11.9km s-min=8.8km az=13.0.
INMG Event type ke. Error ellipse: s-maj=10.0km s-min=7.4km az=177.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Madeira-Tore.
ISC XI 03 02 24 34.8–2.1 36.33N–.05 11.4W–.10 35 122 2-7
MDD XI 03 02 24 38.8–.84 36.42N 11.34W 33–20 4.4b,3.8 **¶621255795**
CNRM XI 03 02 24 39.7–.66 36.10N 10.64W 10 4.4b,3.8
IGIL XI 03 02 24 40.6 36.45N 11.21W 32 1.5L,3.8
INMG XI 03 02 24 41.1–1.0 36.46N 11.22W 30 2.1L,3.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.2km s-min=4.4km az=68.0.
CNRM Error ellipse: s-maj=6.8km s-min=2.7km az=98.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=83.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC X 31 21 54 40.4–4.1 36.9N–.10 12.2W–.20 10 49 3-6
MDD X 31 21 54 37.2–1.1 36.69N 12.60W 19 4.2b,3.5 **¶621244900**
INMG X 31 21 54 39.9–1.2 36.64N 12.79W 31 2.2L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.4km s-min=8.5km az=168.0.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=5.8km az=108.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC XI 06 16 35 30.3–3.5 37.11N–.07 13.8W–.20 35 65 4-8
MDD XI 06 16 35 27.9–.95 37.05N 14.14W 45 4.0b,3.3 **¶621370956**
INMG XI 06 16 35 29.7–1.2 36.94N 14.20W 33 2.4L,3.3
CNRM XI 06 16 35 31.7–.93 36.91N 13.34W 10 2.4L,3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=6.5km az=41.0.
INMG Event type ke. Error ellipse: s-maj=6.8km s-min=6.2km az=115.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Josephine.
CNRM Error ellipse: s-maj=8.0km s-min=3.8km az=107.0.
ISC XI 18 06 18 02.6–.75 36.77N–.03 13.25W–.04 10 119 4-10
MDD XI 18 06 18 07.5–.83 37.01N 13.46W 40 4.5b,3.9 **¶621414642**
IGIL XI 18 06 18 08.9 36.95N 13.53W 0 2.4L,3.9
INMG XI 18 06 18 09.3–1.5 36.94N 13.52W 0–12 2.8L,3.9
CNRM XI 18 06 18 09.1–1.4 36.64N 12.59W 19–23 2.8L,3.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.7km s-min=5.2km az=95.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=18.7km s-min=4.8km az=76.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Josephine.
CNRM Error ellipse: s-maj=23.4km s-min=4.4km az=103.0.
ISC XI 09 05 25 56.1–3.6 36.95N–.07 10.83W–.09 8–17 132 2-8
MDD XI 09 05 25 58.5–.54 36.82N 11.06W 39 3.4 **¶621385046**
IGIL XI 09 05 25 59.8 36.82N 11.06W 31 2.6L
CNRM XI 09 05 25 59.9–.53 36.46N 10.34W 9 2.6L
INMG XI 09 05 26 00.2–1.6 36.83N 10.99W 31–18 2.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=69.0.
IGIL Event type se. Presumed earthquake.
CNRM Error ellipse: s-maj=5.2km s-min=2.2km az=104.0.
INMG Event type ke. Error ellipse: s-maj=13.0km s-min=3.7km az=64.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC XI 21 07 07 01.3–2.0 36.57N–.04 11.14W–.07 9–11 153 2-147
IDC XI 21 07 06 54.6–2.2 36.71N 12.16W 0 3.4L,3.4 **¶621427856**
MDD XI 21 07 07 05.7–.71 36.58N 11.41W 28–11 4.1b,3.4
IGIL XI 21 07 07 06.9 36.58N 11.41W 31 1.9L,3.4
INMG XI 21 07 07 07.8–1.3 36.54N 11.26W 31 2.3L,3.4
CNRM XI 21 07 07 08.5–.61 36.29N 10.55W 11 2.3L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=28.5km az=143.0.
MDD Event type ke. Error ellipse: s-maj=8.5km s-min=3.5km az=67.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=78.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
CNRM Error ellipse: s-maj=6.8km s-min=2.7km az=99.0.
ISC XII 01 10 31 49.2–1.6 36.10N–.04 11.11W–.08 10 125 2-9
MDD XII 01 10 31 53.2–.86 36.27N 11.03W 0 4.4b,3.9 **¶621568633**
CNRM XII 01 10 31 54.8–.86 36.00N 10.92W 85–28 4.4b,3.9
IGIL XII 01 10 31 55.3 35.76N 10.49W 10 2.2L,3.9
INMG XII 01 10 31 55.4–1.5 36.11N 11.13W 31–79 2.6L,3.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.1km s-min=5.7km az=67.0.
CNRM Error ellipse: s-maj=8.2km s-min=4.1km az=97.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=89.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC XII 09 07 02 32.5–1.6 35.85N–.04 10.83W–.08 35 129 2-8
MDD XII 09 07 02 35.4–.89 35.89N 10.86W 32 4.5b,3.9 **¶621622885**
CNRM XII 09 07 02 37.2–.76 35.77N 10.27W 95–22 4.5b,3.9
IGIL XII 09 07 02 37.6 36.06N 10.59W 7 2.2L,3.9
INMG XII 09 07 02 37.8–1.5 35.98N 10.67W 23–13 2.6L,3.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=5.4km az=73.0.
CNRM Error ellipse: s-maj=6.6km s-min=3.5km az=98.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=11.7km s-min=4.9km az=67.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Mar de Marrocos.
ISC XII 07 15 06 51.6–.40 37.66N–.06 19.26W–.04 10 4.5b,3.3s 141 5-153
IDC XII 07 15 06 50.1–1.1 37.63N 19.38W 0 4.4L,3.7 **¶621618746**
NEIC XII 07 15 06 52.8–.99 37.7N–.10 19.3W–.10 10–1 4.6b,3.7
CNRM XII 07 15 06 52.7–.65 37.85N 19.13W 59–47 4.6b,3.7
MDD XII 07 15 06 53.7–.30 37.59N 19.09W 40 5.3b,4.9
IGIL XII 07 15 06 54.0 37.71N 19.19W 33 5.3b,4.9
INMG XII 07 15 06 56.7–3.3 37.71N 19.07W 5–14 4.3L,4.9
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=15.6km az=19.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=13.2km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CNRM Error ellipse: s-maj=7.3km s-min=4.6km az=15.0.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=122.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=147.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Dorsal Acores-Gibraltar.
ISC XII 01 20 00 40.3–1.8 36.41N–.05 11.22W–.09 35 147 2-8
MDD XII 01 20 00 41.2–.65 36.39N 11.37W 36–19 4.6b,4.0 **¶621591126**
IGIL XII 01 20 00 42.0 36.16N 11.06W 22 2.2L,4.0
INMG XII 01 20 00 43.1–1.1 36.39N 11.25W 31–10 2.5L,4.0
CNRM XII 01 20 00 45.1–1.0 36.16N 10.74W 40 2.5L,4.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=4.0km az=67.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=3.4km az=68.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
CNRM Error ellipse: s-maj=11.0km s-min=4.3km az=98.0.
ISC XII 24 10 16 34.7–3.6 36.9N–.10 11.4W–.20 18–9 87 2-7
MDD XII 24 10 16 33.8–.94 36.83N 11.53W 7–20 4.2b,3.6 **¶621652374**
IGIL XII 24 10 16 35.2 36.73N 11.56W 15 2.2L,3.6
INMG XII 24 10 16 36.1–1.3 36.70N 11.60W 39 2.3L,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=27.4km s-min=5.9km az=56.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=91.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
ISC XII 10 18 22 51.3–3.1 36.66N–.10 11.6W–.10 35 70 2-7
CNRM XII 10 18 22 52.5–1.2 36.54N 11.10W 89–36 **¶621627199**
MDD XII 10 18 22 52.8–.83 36.65N 11.65W 29–12 4.4b,3.9
IGIL XII 10 18 22 54.2 36.70N 11.56W 24 1.7L,3.9
INMG XII 10 18 22 54.4–1.1 36.68N 11.61W 29 2.2L,3.9
ISC Event type ke.
CNRM Error ellipse: s-maj=13.5km s-min=7.8km az=97.0.
MDD Event type ke. Error ellipse: s-maj=9.9km s-min=4.2km az=73.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=81.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
MDD XII 31 22 30 37.7–1.2 37.04N 14.12W 15–60 4.1b,3.4
INMG XII 31 22 30 43.4–1.0 37.13N 14.19W 32 1.9L,3.4 **¶621657766**
MDD Event type ke. Error ellipse: s-maj=66.7km s-min=15.9km az=73.0.
INMG Event type ke. Error ellipse: s-maj=12.9km s-min=7.4km az=154.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Josephine.
ISC XII 27 06 57 54.3–1.8 36.11N–.04 10.64W–.09 35 108 2-7
MDD XII 27 06 57 58.6–1.5 36.24N 10.57W 48–67 3.2 **¶621653749**
IGIL XII 27 06 58 00.3 36.24N 10.53W 31 2.1L
INMG XII 27 06 58 00.0–1.1 36.24N 10.52W 30–9 2.2L
CNRM XII 27 06 58 06.4–.70 35.26N 10.04W 9 2.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.7km s-min=5.2km az=61.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=3.2km az=73.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe.
CNRM Error ellipse: s-maj=5.4km s-min=4.3km az=135.0.
ISC XII 30 01 56 33.4–4.2 37.2N–.10 13.1W–.20 10 36 3-7
MDD XII 30 01 56 30.4–1.2 37.04N 13.31W 0 3.9b,3.1 **¶621657280**
INMG XII 30 01 56 33.7–1.1 37.00N 13.64W 21 2.0L,3.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.2km s-min=9.4km az=158.0.
INMG Event type ke. Error ellipse: s-maj=7.7km s-min=5.1km az=104.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Josephine.
ISC XII 26 06 44 00.6–3.7 37.3N–.10 13.5W–.20 10 74 4-8
MDD XII 26 06 44 03.6–.99 37.37N 13.29W 0 4.4b,3.8 **¶621659201**
IGIL XII 26 06 44 03.7 37.02N 13.81W 23 4.4b,3.8
INMG XII 26 06 44 04.1–1.1 37.01N 13.80W 26 2.4L,3.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=6.0km az=61.0.
IGIL Event type se. Presumed earthquake.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=101.0. #DIST_RANGE: REGIONAL #IPMA_REGION: Josephine.

SEISMIC REGION 33.
Indian Ocean.

(415) Eastern Gulf of Aden.

ISC	**VII**	**16 17 02 22.9–.60**	**13.26N–.09**	**51.28E–.09**	**18**	**4.0b,3.6s**	**35**	**8-89**	
NEIC	VII	16 17 02 21.7–1.3	13.30N–.10	51.2E–.10	10–1	4.4b,3.6s			¶620928719
IDC	VII	16 17 02 21.1–.82	13.23N	51.32E	0	4.8L,3.7b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=21.7km s-min=15.4km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	Error ellipse: s-maj=25.3km s-min=16.3km az=155.0.								
ISC	**VIII**	**30 14 45 26.1–1.0**	**14.3N–.20**	**52.9E–.10**	**10**	**3.6b,3.2s**	**12**	**10-87**	
IDC	VIII	30 14 45 24.6–1.2	14.24N	52.87E	0	3.9L,3.7			¶621076527
ISC	Event type se.								
IDC	Error ellipse: s-maj=31.8km s-min=18.3km az=169.0.								
ISC	**VII**	**28 19 31 38.0–.91**	**12.7N–.10**	**48.2E–.10**	**12**	**3.8b,3.5s**	**22**	**5-91**	
IDC	VII	28 19 31 35.9–1.0	12.61N	48.21E	0	3.8L,3.7b			¶620979631
NEIC	VII	28 19 31 38.8–1.2	12.72N–.08	48.2E–.10	10–1	4.6b,3.7b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**10 15 25 13.7–.59**	**13.32N–.04**	**49.57E–.04**	**17–3**	**4.9b,4.4s**	**817**	**5-161**	
BJI	VIII	10 15 25 06.4	12.87N	49.16E	10	5.2b,4.8b			¶625536768
IDC	VIII	10 15 25 10.6–.46	13.29N	49.65E	0	4.9L,4.7			
OMAN	VIII	10 15 25 11.1–.02	13.13N	49.74E	10	4.7b,4.6s			
GCMT	VIII	10 15 25 11.6–.10	13.28N–.01	49.49E–.01	12–0	5.2W,4.6s			
MOS	VIII	10 15 25 11.2–.88	13.26N	49.67E	14	5.1b,4.5s			
NEIC	VIII	10 15 25 13.0–1.5	13.31N–.08	49.63E–.08	10–1	5.2,5.0b			
GFZ	VIII	10 15 25 13.4–.14	13N–2.0	49E–2.0	10	5.1W,5.0b			
BGR	VIII	10 15 25 14.3	13.34N	49.58E	33	4.9b,4.2s			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=12.1km s-min=11.0km az=144.0.								
OMAN	Error ellipse: s-maj=1.1km s-min=0.5km az=307.0.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108101525A. Moment Tensor Solution. s80,c116; s126,c225;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.85±.10 $M_{\theta\theta}$6.30±.11; $M_{\phi\phi}$-5.45±.11; $M_{r\theta}$-0.25±.23; $M_{\theta\phi}$3.19±.10; $M_{\phi r}$2.02±.33; Best double couple: NP1: ϕ_s119.00000°,δ76.00000°,λ-12.00000°. NP2:ϕ_s212.00000°,δ79.00000°,λ-165.00000°. Principal axes: T 7.1190,Plg2.0000°,Azm345.0000°; N -0.1870,Plg72.0000°,Azm250.0000° ; P -6.9310,Plg18.0000°,Azm76.0000° $M_0$7.02500×10^{16}								
MOS	Error ellipse: s-maj=7.0km s-min=3.5km az=100.4.								
NEIC	Event type se. Error ellipse: s-maj=14.9km s-min=11.7km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
BGR	Event type ke.								
ISC	**XI**	**02 00 35 35.2–.50**	**13.43N–.06**	**49.72E–.06**	**10**	**4.4b,3.9s**	**135**	**5-99**	
IDC	XI	02 00 35 33.2–.91	13.41N	49.67E	0	4.1L,3.9b			¶621252428
OMAN	XI	02 00 35 34.0–.71	13.38N	49.88E	10	4.6L,4.2b			
GFZ	XI	02 00 35 34.3–.47	13N–6.0	50E–5.0	10	4.9,4.8b			
GCMT	XI	02 00 35 35.8–.20	13.35N–.01	49.62E–.01	22–1	4.9W,4.8b			
NEIC	XI	02 00 35 40.4–1.5	13.75N–.08	49.17E–.07	10–1	4.5b,4.8b			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111020035A. Moment Tensor Solution. s31,c35; s109,c165; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.42±.13 $M_{\theta\theta}$2.83±.10; $M_{\phi\phi}$-2.40±.09; $M_{r\theta}$-0.71±.14; $M_{\theta\phi}$1.65±.08; $M_{\phi r}$-0.18±.15; Best double couple: NP1:ϕ_s208.00000°,δ82.00000° ,λ173.00000°. NP2:ϕ_s299.00000°,δ83.00000°,λ8.00000°. Principal axes: T 3.4450,Plg11.0000°,Azm164.0000°; N -0.5620,Plg79.0000°,Azm341.0000° ; P -2.8770,Plg0.0000°,Azm74.0000° $M_0$3.16100×10^{16}								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**03 07 46 25.9–1.0**	**13.2N–.20**	**50.9E–.10**	**16**	**4.0b,3.4s**	**14**	**8-89**	
IDC	IX	03 07 46 23.2–1.6	13.28N	50.90E	0	3.9b,3.9			¶621081553
NEIC	IX	03 07 46 27.4–1.7	13.3N–.10	50.7E–.10	10–2	4.2b,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**X**	**07 18 21 33.6–.66**	**14.77N–.08**	**52.23E–.08**	**10**	**4.1b**	**68**	**3-88**	
IDC	X	07 18 21 32.4–1.0	14.64N	52.16E	0	4.4L,4.3s			¶621217231
NEIC	X	07 18 21 34.0–2.3	14.7N–.10	52.2E–.10	10–1	4.4b,4.3s			
OMAN	X	07 18 21 38.0–.75	14.93N	52.22E	57–11	3.9b,3.7L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=28.0km s-min=18.3km az=137.0.								
NEIC	Event type se. Error ellipse: s-maj=25.5km s-min=14.3km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
OMAN	Error ellipse: s-maj=13.5km s-min=4.5km az=134.0.								
ISC	**XI**	**25 01 25 10.7–.45**	**14.85N–.06**	**52.39E–.05**	**10**	**4.4b,3.8s**	**191**	**3-130**	
IDC	XI	25 01 25 08.4–.68	14.59N	52.46E	0	4.1b,4.0			¶621464951
GCMT	XI	25 01 25 10.6–.20	14.76N–.02	52.22E–.03	14–1	4.8W,4.0			
NEIC	XI	25 01 25 11.0–1.9	14.74N–.10	52.27E–.10	10–1	4.6b,4.0			
GFZ	XI	25 01 25 10.3–.30	14N–4.0	52E–4.0	10	5.1b,4.5b			
OMAN	XI	25 01 25 13.3–.04	15.28N	52.26E	10	4.0L,3.9s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=17.3km s-min=15.1km az=173.0.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111250125A. Moment Tensor Solution. s22,c27; s98,c138; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.76±.12 $M_{\theta\theta}$1.26±.07; $M_{\phi\phi}$0.50±.07; $M_{r\theta}$-0.06±.15; $M_{\theta\phi}$-0.75±.04; $M_{\phi r}$0.22±.21; Best double couple: NP1:ϕ_s297.00000°,δ43.00000° ,λ-97.00000°. NP2:ϕ_s127.00000°,δ48.00000°,λ-83.00000°. Principal axes: T 1.7290,Plg3.0000°,Azm212.0000°; N 0.0550,Plg5.0000°,Azm302.0000° ; P -1.7820,Plg84.0000°,Azm93.0000° $M_0$1.75500×10^{16}								
NEIC	Event type se. Error ellipse: s-maj=16.7km s-min=15.6km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
OMAN	Error ellipse: s-maj=1.7km s-min=0.8km az=313.0.								
ISC	**XI**	**25 01 36 51.8–.55**	**14.99N–.07**	**52.31E–.06**	**10**	**4.4b,3.5s**	**153**	**3-130**	
IDC	XI	25 01 36 49.5–.78	14.72N	52.40E	0	4.1b,4.1			¶621464960
GFZ	XI	25 01 36 51.3–.34	15N–5.0	52E–5.0	10	4.5b,4.5			
NEIC	XI	25 01 36 52.2–1.6	14.88N–.04	52.4E–.10	10–1	4.5b,4.5			
OMAN	XI	25 01 36 53.9–.06	15.29N	52.20E	10	3.8L,3.6b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=19.0km s-min=15.7km az=161.0.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=17.5km s-min=7.6km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
OMAN	Error ellipse: s-maj=2.1km s-min=0.8km az=322.0.								
ISC	**XII**	**17 02 48 42.7–.82**	**12.6N–.10**	**48.2E–.10**	**12**	**3.8b,3.5s**	**26**	**5-91**	
IDC	XII	17 02 48 41.2–.97	12.63N	48.27E	0	3.9b,3.9			¶621656909
NEIC	XII	17 02 48 42.8–1.0	12.62N–.06	48.1E–.10	10–1	4.2b,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**15 17 33 22.5–.38**	**13.21N–.06**	**50.39E–.05**	**10**	**4.6b,4.0s**	**205**	**5-148**	
BJI	XII	15 17 33 15.9	12.59N	49.89E	10	4.9b,4.6b			¶621630761
IDC	XII	15 17 33 21.4–.68	13.18N	50.40E	0	4.2b,4.1			
GFZ	XII	15 17 33 22.3–.24	13N–4.0	50E–3.0	10	4.7L,4.7b			
NEIC	XII	15 17 33 23.6–2.7	13.3N–.10	50.34E–.09	10–1	4.7b,4.7b			
GCMT	XII	15 17 33 23.6–.30	13.29N–.02	50.27E–.03	18–1	4.8W,4.7b			
OMAN	XII	15 17 33 25.3–.12	13.38N	50.44E	58–2	4.0L,4.0b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=18.1km s-min=13.5km az=173.0.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. Error ellipse: s-maj=17.8km s-min=14.7km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112151733A. Moment Tensor Solution. s19,c20; s83,c134; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.17 $M_{\theta\theta}$2.23±.10; $M_{\phi\phi}$-0.53±.09; $M_{r\theta}$0.14±.18; $M_{\theta\phi}$-0.42±.06; $M_{\phi r}$-0.77±.31; Best double couple: NP1:ϕ_s74.00000°,δ47.00000° ,λ-127.00000°. NP2:ϕ_s302.00000°,δ54.00000°,λ-57.00000°. Principal axes: T 2.3080,Plg4.0000°,Azm9.0000°; N -0.2290,Plg26.0000°,Azm101.0000° ; P -2.0750,Plg63.0000°,Azm272.0000° $M_0$2.19100×10^{16}								
OMAN	Error ellipse: s-maj=4.6km s-min=0.9km az=322.0.								
IDC	**XII**	**18 15 45 32.6–3.9**	**12.55N**	**48.58E**	**0**	**3.7b,3.7**			¶621657011
IDC	Error ellipse: s-maj=106.2km s-min=42.8km az=81.0.								
ISC	**XII**	**17 01 35 02.8–3.0**	**12.51N–.07**	**48.25E–.05**	**20–12**	**4.5b,3.9s**	**223**	**5-130**	
OMAN	XII	17 01 34 47.4–2.7	11.41N	48.04E	10	4.2b,3.7s			¶621631490
BJI	XII	17 01 34 54.1	12.14N	47.75E	10	4.4b,3.7s			
IDC	XII	17 01 35 00.1–.68	12.66N	48.23E	0	4.1b,4.1			
NEIC	XII	17 01 35 01.2–1.6	12.5N–.10	48.30E–.09	10–1	4.6b,4.1			
GFZ	XII	17 01 35 01.4–.29	12N–4.0	48E–4.0	10	4.9b,4.5b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
ISC	**XII**	**18 15 47 46.1–1.9**	**12.6N–.30**	**48.2E–.30**	**12**	**3.6b,3.3s**	**11**	**10-91**	
IDC	XII	18 15 47 44.2–1.6	12.57N	48.16E	0	3.7b,3.7			¶621657012
ISC	Event type se.								
IDC	Error ellipse: s-maj=45.1km s-min=23.3km az=46.0.								
ISC	**XII**	**28 04 05 29.7–1.9**	**15.0N–.20**	**52.2E–.10**	**10**	**3.4b**	**18**	**3-50**	
IDC	XII	28 04 05 22.1–18	14.17N	52.23E	0	3.7b,3.7			¶621717362
OMAN	XII	28 04 05 31.3–.24	15.05N	52.26E	10	3.2L,3.7			
ISC	Event type se.								
IDC	Error ellipse: s-maj=356.3km s-min=47.6km az=5.0.								
OMAN	Error ellipse: s-maj=5.4km s-min=3.2km az=284.0.								
ISC	**XII**	**18 21 02 32.3–.82**	**12.6N–.10**	**48.1E–.10**	**12**	**4.1b**	**32**	**5-91**	
IDC	XII	18 21 02 31.3–1.1	12.58N	48.20E	0	3.8b,3.8			¶621657033
NEIC	XII	18 21 02 32.7–1.5	12.6N–.10	48.1E–.10	10–2	4.1b,3.8			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**24 10 57 42.8–.54**	**14.74N–.04**	**52.15E–.04**	**10–3**	**4.9b,4.5s**	**601**	**3-130**	
BJI	XII	24 10 57 33.7	14.10N	51.54E	6	5.3b,4.8b			¶621652379
MOS	XII	24 10 57 39.8–1.4	14.63N	52.24E	6	5.2b,4.8s			
IDC	XII	24 10 57 40.3–.59	14.55N	52.15E	0	4.6b,4.6			
GCMT	XII	24 10 57 41.6–.10	14.63N–.01	51.96E–.01	12	5.2W,4.6			
NEIC	XII	24 10 57 42.6–1.7	14.86N–.08	52.16E–.08	10–1	5.3,5.0b			
GFZ	XII	24 10 57 43.7–.17	15N–3.0	52E–3.0	10	5.5b,5.2W			
OMAN	XII	24 10 57 46.0–.19	15.35N	51.85E	11–1	4.8L,4.6b			
DSN	XII	24 10 57 47.5–1.1	15.41N	52.00E	10	5.5L,4.6b			
ISC	Event type se.								
MOS	Error ellipse: s-maj=6.8km s-min=3.8km az=84.3.								
IDC	Error ellipse: s-maj=13.7km s-min=12.6km az=161.0.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112241057A. Moment Tensor Solution. s86,c134; s119,c208;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.81±.12 $M_{\theta\theta}$6.29±.11; $M_{\phi\phi}$-4.48±.13; $M_{r\theta}$1.63±.28; $M_{\theta\phi}$4.76±.10; $M_{\phi r}$3.27±.33; Best double couple: NP1: ϕ_s113.00000°,δ61.00000°,λ-8.00000°. NP2:ϕ_s207.00000°,δ83.00000°,λ-151.00000°. Principal axes: T 8.7980,Plg15.0000°,Azm337.0000°; N -1.3300,Plg60.0000°,Azm220.0000° ; P -7.4670,Plg25.0000°,Azm74.0000° $M_0$8.13200×10^{16}								
NEIC	Event type se. Error ellipse: s-maj=15.1km s-min=12.3km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
OMAN	Error ellipse: s-maj=3.9km s-min=1.0km az=318.0.								
DSN	Error ellipse: s-maj=11.7km s-min=10.4km az=82.0.								
ISC	**XII**	**26 01 45 42.1–.92**	**14.96N–.08**	**52.13E–.09**	**10**	**3.5b,3.3s**	**37**	**3-89**	
IDC	XII	26 01 45 39.7–1.2	14.64N	52.24E	0	3.6b,3.6			¶621700189
OMAN	XII	26 01 45 44.2–1.6	15.27N	51.99E	10	3.5L,3.6			
ISC	Event type se.								
IDC	Error ellipse: s-maj=26.5km s-min=24.1km az=10.0.								
OMAN	Error ellipse: s-maj=12.8km s-min=11.3km az=91.0.								
ISC	**XII**	**21 12 05 01.3–.86**	**12.6N–.20**	**48.3E–.10**	**10**	**4.0b,3.2s**	**11**	**5-91**	
IDC	XII	21 12 04 60.0–.94	12.59N	48.30E	0	3.9b,3.9			¶621685684
ISC	Event type se.								
IDC	Error ellipse: s-maj=29.1km s-min=17.8km az=157.0.								
OMAN	**XII**	**27 05 50 25.8–.77**	**14.98N**	**52.18E**	**10**	**3.6L**			¶621743778
OMAN	Error ellipse: s-maj=10.2km s-min=5.4km az=122.0.								

(416) Socotra region.

ISC	**XII**	**03 19 11 51.1–2.3**	**13.9N–.30**	**56.9E–.40**	**15**	**3.5b,2.9s**	**8**	**24-84**	
IDC	XII	03 19 11 48.6–2.3	13.84N	56.84E	0	3.6b,3.6			¶621630614
ISC	Event type se.								
IDC	Error ellipse: s-maj=61.9km s-min=29.4km az=63.0.								
ISC	**VIII**	**26 18 15 07.9–1.7**	**13.9N–.50**	**56.8E–.50**	**15**	**3.8b**	**6**	**28-84**	
IDC	VIII	26 18 15 05.6–1.7	13.93N	56.82E	0	3.8b,3.8			¶621059012
ISC	Event type se.								
IDC	Error ellipse: s-maj=92.6km s-min=26.3km az=47.0.								
ISC	**VIII**	**10 23 32 44.0–6.1**	**13.7N–1.0**	**55.7E–.30**	**10**	**3.6b,3.1s**	**7**	**13-72**	
IDC	VIII	10 23 32 42.5–6.5	13.66N	55.68E	0	3.5b,3.5			¶621008152
ISC	Event type se.								
IDC	Error ellipse: s-maj=149.4km s-min=35.6km az=168.0.								
IDC	**X**	**13 19 24 36.9–2.4**	**13.21N**	**56.77E**	**0**	**3.6b,3.6**			¶621238992
IDC	Error ellipse: s-maj=70.3km s-min=34.2km az=54.0.								

(420) North Indian Ocean.

ISC	**XI**	**30 05 45 53.1–1.4**	**2.6N–.20**	**89.9E–.20**	**10**	**3.8b**	**11**	**18-146**	
IDC	XI	30 05 45 51.5–1.5	2.57N	89.81E	0	4.4L,3.9b			¶621627020
ISC	Event type se.								
IDC	Error ellipse: s-maj=50.0km s-min=23.2km az=55.0.								
IDC	**VIII**	**28 13 18 53.0–37**	**1.80N**	**90.65E**	**0**	**3.9b,3.9**			¶621073111
IDC	Error ellipse: s-maj=720.2km s-min=127.4km az=177.0.								
ISC	**IX**	**12 08 01 33.1–1.0**	**5.1N–.20**	**84.2E–.10**	**10**	**4.0b**	**20**	**4-145**	
IDC	IX	12 08 01 32.4–.93	5.15N	84.46E	0	4.4L,3.9b			¶621109638
ISC	Event type se.								
IDC	Error ellipse: s-maj=30.5km s-min=13.7km az=36.0.								
ISC	**XII**	**07 14 15 23.8–2.2**	**3.4N–.20**	**89.7E–.40**	**10**	**3.6b**	**7**	**17-51**	
IDC	XII	07 14 15 21.9–2.6	3.40N	89.58E	0	3.9L,3.5b			¶621632675
ISC	Event type se.								
IDC	Error ellipse: s-maj=88.3km s-min=24.8km az=61.0.								

(421) Carlsberg Ridge.

ISC	**VII**	**05 10 18 34.6–.59**	**4.9N–.10**	**62.36E–.09**	**10**	**4.3b,3.5s**	**35**	**11-143**	
IDC	VII	05 10 18 34.6–1.0	4.82N	62.28E	0	4.0b,4.0			¶620927958
NEIC	VII	05 10 18 35.1–.64	5.0N–.10	62.3E–.10	10–1	4.4b,4.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VII**	**11 03 29 27.0–.94**	**3.7S–.20**	**67.6E–.20**	**10**	**4.0b,3.9s**	**12**	**17-153**	
IDC	VII	11 03 29 25.6–.91	3.63S	67.56E	0	3.8b,3.8			¶620928401
ISC	Event type se.								
IDC	Error ellipse: s-maj=25.9km s-min=22.0km az=47.0.								
ISC	**VII**	**11 17 19 46.4–1.9**	**0.5S–.30**	**67.3E–.30**	**19**	**3.8s,3.8b**	**8**	**15-87**	
IDC	VII	11 17 19 43.3–1.9	0.54S	67.28E	0	3.8s,3.7b			¶620928433

ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=25.9km az=54.0.
ISC VII 22 02 10 51.8–.48 1.39N–.09 66.87E–.07 13 4.7b,4.2s 63 6-148
IDC VII 22 02 10 50.0–.91 1.41N 66.69E 0 4.3L,4.3b **¶620967803**
NEIC VII 22 02 10 52.5–1.8 1.43N–.09 66.90E–.06 10–1 5.0b,4.3b
GCMT VII 22 02 10 54.4–.40 1.40N–.04 66.94E–.04 22–1 5.1W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107220210A. Moment Tensor Solution. s17,c19; s64,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.78±.58 $M_{\theta\theta}$2.55±.36; $M_{\phi\phi}$2.22±.34; $M_{r\theta}$-1.10±.53; $M_{\theta\phi}$-2.48±.18; $M_{\phi r}$-2.31±.48; Best double couple: NP1:ϕ_s113.00000° ,δ44.00000°,λ-123.00000°. NP2:ϕ_s335.00000°,δ54.00000°,λ-62.00000°. Principal axes: T 4.9410,Plg5.0000°,Azm46.0000°; N 0.9160,Plg23.0000°,Azm138.0000° ; P -5.8670,Plg67.0000°,Azm303.0000° $M_0$5.40400×10^{16}
IDC VII 23 18 07 46.4–37 2.70S 67.91E 0 3.6b,3.6
¶620967933
IDC Error ellipse: s-maj=1103.0km s-min=46.2km az=73.0.
IDC VIII 08 03 31 30.7–4.3 8.08N 58.01E 0 3.7b,3.7
¶621002109
IDC Error ellipse: s-maj=113.8km s-min=38.5km az=72.0.
ISC VII 25 15 49 52.0–.52 3.09N–.09 65.14E–.09 10 4.1b,3.7s 53 12-146
IDC VII 25 15 49 50.6–.77 3.06N 65.16E 0 3.9b,3.9 **¶620973774**
NEIC VII 25 15 49 52.7–1.8 3.1N–.10 65.1E–.10 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 08 24 00.8–.64 3.1N–.10 65.19E–.10 10 4.3b,3.9s 43 16-146
IDC VIII 12 08 23 58.5–1.1 2.93N 65.00E 0 3.9b,3.9 **¶621009390**
NEIC VIII 12 08 24 01.5–1.2 3.12N–.07 65.2E–.10 10–1 4.5b,3.9
GCMT VIII 12 08 24 03.9–.50 3.12N–.04 65.00E–.05 19–1 4.8W,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108120823A. Moment Tensor Solution. s13,c13; s71,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.05±.22 $M_{\theta\theta}$1.36±.14; $M_{\phi\phi}$0.68±.12; $M_{r\theta}$0.86±.29; $M_{\theta\phi}$-0.76±.09; $M_{\phi r}$0.37±.30; Best double couple: NP1:ϕ_s137.00000°,δ39.00000° ,λ-64.00000°. NP2:ϕ_s285.00000°,δ55.00000°,λ-110.00000°. Principal axes: T 1.9240,Plg8.0000°,Azm29.0000°; N 0.4210,Plg16.0000°,Azm297.0000° ; P -2.3520,Plg72.0000°,Azm145.0000° $M_0$2.13800×10^{16}
ISC VIII 10 12 43 38.0–2.3 1.1S–.30 67.6E–.40 15 3.6b 7 36-151
IDC VIII 10 12 43 35.4–2.2 1.13S 67.52E 0 3.6b,3.6 **¶621008114**
ISC Event type se.
IDC Error ellipse: s-maj=63.2km s-min=31.9km az=66.0.
ISC VIII 10 12 45 23.6–.97 1.1S–.20 67.5E–.20 15 4.0s,3.9b 12 16-151
IDC VIII 10 12 45 21.1–.99 1.14S 67.48E 0 4.0s,3.8b **¶621008115**
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=23.0km az=58.0.
ISC VIII 09 11 49 24.0–2.0 6.5N–.30 60.0E–.20 23 3.7s,3.7b 9 18-99
IDC VIII 09 11 49 20.4–1.9 6.45N 59.95E 0 3.7b,3.7 **¶621007256**
GCMT VIII 09 11 49 20.0 6.25N 60.25E 10 4.9s,3.7
GCMT VIII 09 11 49 27.9–.30 6.65N–.03 60.25E–.04 18–1 4.8W,3.7
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202108091149A. Moment Tensor Solution. s14,c14; s90,c112;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.88±.15 $M_{\theta\theta}$1.36±.10; $M_{\phi\phi}$0.51±.09; $M_{r\theta}$0.39±.22; $M_{\theta\phi}$-0.46±.05; $M_{\phi r}$-0.12±.26; Best double couple: NP1:ϕ_s115.00000°,δ38.00000°,λ-88.00000°. NP2:ϕ_s292.00000°,δ52.00000°,λ-91.00000°. Principal axes: T 1.6100,Plg7.0000°,Azm23.0000°; N 0.3120,Plg1.0000°,Azm293.0000° ; P -1.9280,Plg83.0000°,Azm194.0000° $M_0$1.76900×10^{16}
ISC IX 05 09 16 41.1–.71 2.7N–.10 66.5E–.10 20 4.2b 29 8-147
IDC IX 05 09 16 38.7–.87 2.72N 66.36E 0 4.4s,4.0b **¶621086395**
NEIC IX 05 09 16 40.0–1.1 2.7N–.10 66.46E–.09 10–1 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 27 16 54 23.3–3.1 10.13N 56.84E 0 3.7b,3.7
¶621072166
IDC Error ellipse: s-maj=74.3km s-min=35.8km az=52.0.
ISC IX 05 09 20 52.5–1.7 2.5N–.30 66.6E–.30 20 3.7b 8 46-147
IDC IX 05 09 20 50.0–1.8 2.58N 66.52E 0 3.7b,3.7 **¶621086396**
ISC Event type se.
IDC Error ellipse: s-maj=62.1km s-min=27.3km az=130.0.
ISC XI 27 19 03 52.8–.62 1.88S–.10 69.0E–.10 10 3.8b 26 7-152
IDC XI 27 19 03 51.0–.78 1.86S 69.10E 0 3.7b,3.7 **¶621625140**
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=19.6km az=59.0.
ISC XI 13 02 55 23.6–2.0 0.6S–.40 67.1E–.40 10 4.0b,3.5s 6 50-150
IDC XI 13 02 55 22.1–1.8 0.69S 67.00E 0 3.9b,3.9 **¶621468577**
ISC Event type se.
IDC Error ellipse: s-maj=61.9km s-min=26.4km az=55.0.
GCMT X 10 19 28 51.1–.40 5.72N–.03 61.26E–.05 17–1 4.7W
GCMT X 10 19 28 40.0 5.50N 61.50E 10 4.8s **¶622022448**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110101928A. Moment Tensor Solution. s16,c17; s65,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.37±.12 $M_{\theta\theta}$0.85±.07; $M_{\phi\phi}$0.52±.08; $M_{r\theta}$0.21±.21; $M_{\theta\phi}$-0.37±.04; $M_{\phi r}$0.18±.25; Best double couple: NP1:ϕ_s131.00000°,δ44.00000°,λ-77.00000°. NP2:ϕ_s294.00000°,δ48.00000°,λ-102.00000°. Principal axes: T 1.0870,Plg2.0000°,Azm32.0000°; N 0.3250,Plg9.0000°,Azm302.0000° ; P -1.4140,Plg81.0000°,Azm134.0000° $M_0$1.25100×10^{16}
ISC X 12 02 17 42.8–.58 2.4S–.10 68.4E–.10 13 4.3b,3.6s 32 16-152
IDC X 12 02 17 41.5–.99 2.33S 68.00E 0 3.9b,3.9 **¶621236918**
NEIC X 12 02 17 42.5–.73 2.4S–.10 68.5E–.10 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 02 14 30 51.8–.34 0.44N–.05 67.16E–.04 10 4.8b,4.3s 357 9-152
BJI XI 02 14 30 43.5 0.31S 66.83E 10 5.2b,4.8b **¶621254052**
IDC XI 02 14 30 50.0–.67 0.61N 67.13E 0 4.3b,4.3
GFZ XI 02 14 30 51.4–.31 0N–6.0 67E–3.0 10 5.7b,5.2
GFZ XI 02 14 30 51.3 0.36N 67.30E 10 5.1W,5.2
NEIC XI 02 14 30 52.0–2.0 0.5N–.10 67.19E–.09 10–1 4.9b,5.2
GCMT XI 02 14 30 54.1–.20 0.42N–.01 67.14E–.01 16–0 5.1W,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.03 $M_{\theta\theta}$3.88 $M_{\phi\phi}$3.85 $M_{r\theta}$-1.29 $M_{\theta\phi}$-2.76 $M_{\phi r}$-1.36 NP1: ϕ_s118.24492°,δ69.64277°,λ-175.34714°. NP2:ϕ_s26.62319°,δ85.63833°,λ-20.41899°. Principal axes: T 4.9052,Plg11.0816°,Azm74.1483°; N 0.3751,Plg69.1398°,Azm195.0771° ; P -5.2803,Plg17.4432°,Azm340.6200° $M_0$5.10312×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111021430A. Moment Tensor Solution. s72,c105; s121,c224;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.72±.11 $M_{\theta\theta}$-4.98±.10; $M_{\phi\phi}$5.70±.11; $M_{r\theta}$-0.53±.29; $M_{\theta\phi}$-2.77±.09; $M_{\phi r}$-0.05±.28; Best double couple: NP1: ϕ_s31.00000°,δ85.00000°,λ-4.00000°. NP2:ϕ_s121.00000°,δ86.00000°,λ-175.00000°. Principal axes: T 6.3770,Plg1.0000°,Azm256.0000°; N -0.6690,Plg84.0000°,Azm160.0000° ; P -5.7110,Plg6.0000°,Azm346.0000° $M_0$6.04400×10^{16}
ISC XII 03 15 08 14.3–1.8 1.6N–.30 67.0E–.30 10 3.9b,3.1s 8 15-148
IDC XII 03 15 08 11.8–1.7 1.45N 66.70E 0 3.8L,3.7b **¶621630603**
ISC Event type se.
IDC Error ellipse: s-maj=46.4km s-min=29.0km az=65.0.
ISC XII 03 21 16 12.3–.95 9.82N–.07 57.09E–.05 9–5 4.5b,3.6s 296 14-137
BJI XII 03 21 16 08.1 9.60N 56.82E 10 5.0b,4.6b **¶621612044**
IDC XII 03 21 16 10.6–.60 9.77N 57.18E 0 4.2b,4.2
GFZ XII 03 21 16 14.0–1.2 9.97N–.09 57.09E–.10 10–1 4.7b,4.8
NEIC XII 03 21 16 14.0–1.2 9.97N–.09 57.09E–.10 10–1 4.7b,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 04 04 25 16.2–.41 0.60N–.08 67.17E–.06 22 4.6b,4.0s 203 9-149
IDC XII 04 04 25 12.0–.59 0.59N 67.17E 0 4.3b,4.3 **¶621612093**
BJI XII 04 04 25 13.0 0.70N 67.10E 10 5.3b,4.7b
NEIC XII 04 04 25 14.8–2.2 0.6N–.10 67.17E–.06 10–1 4.9b,4.7b
GFZ XII 04 04 25 15.2–.28 1N–5.0 67E–3.0 10 10.7,9.6
GCMT XII 04 04 25 16.3–.30 0.43N–.02 67.18E–.02 20–1 4.9W,9.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112040425A. Moment Tensor Solution. s29,c31; s90,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.13 $M_{\theta\theta}$-2.17±.10; $M_{\phi\phi}$2.33±.11; $M_{r\theta}$-0.09±.20; $M_{\theta\phi}$-1.51±.09; $M_{\phi r}$-0.60±.20; Best double couple: NP1:ϕ_s118.00000° ,δ79.00000°,λ177.00000°. NP2:ϕ_s208.00000°,δ87.00000°,λ11.00000°. Principal axes: T 2.8880,Plg10.0000°,Azm74.0000°; N -0.2360,Plg78.0000°,Azm222.0000° ; P -2.6570,Plg6.0000°,Azm342.0000° $M_0$2.77200×10^{16}
ISC XII 08 01 02 40.0–1.7 2.5S–.20 69.9E–.30 10 3.7b 8 14-153
IDC XII 08 01 02 36.4–1.8 2.70S 69.39E 0 4.4s,4.1L **¶621634647**
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=27.3km az=68.0.
ISC XII 08 02 43 28.7–.73 4.9N–.10 61.8E–.10 10 4.0b 20 11-76
NEIC XII 08 02 43 28.9–.48 4.9N–.10 61.7E–.10 10–1 4.1b **¶621634657**
IDC XII 08 02 43 29.7–1.1 4.98N 62.22E 0 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=22.9km az=260.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.2km s-min=27.4km az=90.0.
ISC XII 28 11 06 47.0–.45 2.00S–.08 68.09E–.07 15 4.4b,3.6s 96 5-152
IDC XII 28 11 06 45.6–.75 1.96S 67.90E 0 4.3L,4.1b **¶621654364**
GFZ XII 28 11 06 46.0–.28 2S–5.0 68E–3.0 10 5.4b,5.0
NEIC XII 28 11 06 46.6–.83 2.0S–.10 68.10E–.08 10–1 4.6b,5.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 10 02 02.2–.65 8.7N–.10 58.34E–.09 20 4.2b,3.6s 36 15-128
IDC XII 15 10 01 58.8–.90 8.61N 58.43E 0 3.9b,3.9 **¶621654098**
NEIC XII 15 10 02 01.3–1.1 8.7N–.10 58.3E–.10 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 08 23 27.0–2.6 1.4S–.30 67.4E–.60 17 3.9b,3.2s 7 16-151
IDC XII 28 08 23 24.2–2.5 1.44S 67.40E 0 3.9b,3.9 **¶621717380**
ISC Event type se.
IDC Error ellipse: s-maj=90.1km s-min=30.3km az=70.0.
ISC XII 31 02 41 44.1–.55 10.75N–.08 55.92E–.07 10 4.4b,3.3s 168 7-131
IDC XII 31 02 41 42.8–.76 10.80N 55.95E 0 4.1,4.0b **¶621657651**
NEIC XII 31 02 41 44.4–2.1 10.7N–.10 55.9E–.10 10–1 4.5b,4.0b
GFZ XII 31 02 41 46.4–.47 11N–6.0 56E–6.0 10 6.0b,5.7
DSN XII 31 02 41 52.0–3.1 11.31N 56.12E 20 5.1b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=17.5km az=166.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=16.6km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=15.8km s-min=7.9km az=139.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
DSN Error ellipse: s-maj=34.8km s-min=23.4km az=179.0.
ISC XII 28 17 55 17.7–.40 3.45N–.07 63.87E–.06 23 4.7b,3.8s 324 10-145
IDC XII 28 17 55 15.8–.92 3.70N 63.74E 0 4.1b,4.1 **¶621655833**
NEIC XII 28 17 55 16.0–1.6 3.53N–.10 63.89E–.06 10–1 4.7b,4.1
GFZ XII 28 17 55 17.9–.50 4N–7.0 64E–7.0 10 5.8b,5.4
GCMT XII 28 17 55 18.5–.30 3.65N–.02 63.77E–.03 12 4.8W,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112281755A. Moment Tensor Solution. s20,c24; s97,c135; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.54±.05 $M_{\theta\theta}$1.41±.04; $M_{\phi\phi}$0.12±.05; $M_{r\theta}$0.42±.17; $M_{\theta\phi}$-0.48±.04; $M_{\phi r}$0.51±.23; Best double couple: NP1:ϕ_s126.00000°,δ44.00000° ,λ-61.00000°. NP2:ϕ_s270.00000°,δ53.00000°,λ-115.00000°. Principal axes: T 1.5890,Plg5.0000°,Azm17.0000°; N 0.1850,Plg19.0000°,Azm285.0000° ; P -1.7760,Plg70.0000°,Azm120.0000° $M_0$1.68300×10^{16}
ISC XII 28 16 15 51.3–1.6 1.8S–.20 68.0E–.40 15 3.8b,3.2s 8 31-88
IDC XII 28 16 15 48.9–1.9 1.86S 67.98E 0 3.6b,3.6 **¶621717402**
ISC Event type se.
IDC Error ellipse: s-maj=68.5km s-min=24.9km az=75.0.

(422) Maldive Islands region.

IDC XI 25 07 27 02.5–29 1.58S 71.96E 0 3.3b,3.3
¶621618684
IDC Error ellipse: s-maj=865.5km s-min=45.9km az=72.0.

(423) Laccadive Sea.

ISC IX 23 19 48 29.2–.76 5.56N–.09 78.92E–.07 10 4.2b 32 2-76
IDC IX 23 19 48 27.3–.83 5.41N 78.74E 0 3.9b,3.9 **¶621125877**
NEIC IX 23 19 48 30.2–1.8 5.6N–.10 78.94E–.09 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(425) South Indian Ocean.

ISC VII 01 15 06 35.7–.43 0.79S–.04 80.64E–.04 20–1 5.1b,4.2s 714 7-159
IDC VII 01 15 06 32.7–.35 0.91S 80.56E 0 6.0L,4.9b **¶620676524**
MOS VII 01 15 06 32.4–.92 0.78S 80.67E 10 5.2b,4.3s
NEIC VII 01 15 06 34.3–1.7 0.82S–.07 80.65E–.08 10–1 5.2b,4.3s
GCMT VII 01 15 06 35.2–.30 0.82S–.02 80.37E–.02 33–0 5.0W,4.3s
GFZ VII 01 15 06 36.2–.26 1S–4.0 81E–3.0 10 5.3,5.2b
BGR VII 01 15 06 43.9 0.22S 78.44E 10 4.9b,5.2b
ISC Event type ke.
IDC Error ellipse: s-maj=11.1km s-min=9.1km az=51.0.
MOS Error ellipse: s-maj=6.8km s-min=4.4km az=106.7.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=11.8km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107011506A. Moment Tensor Solution. s59,c74; s82,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.28±.16 $M_{\theta\theta}$-3.32±.10; $M_{\phi\phi}$0.03±.11; $M_{r\theta}$-1.09±.12; $M_{\theta\phi}$-1.44±.08; $M_{\phi r}$-0.15±.20; Best double couple: NP1:ϕ_s65.00000°,δ37.00000° ,λ82.00000°. NP2:ϕ_s254.00000°,δ54.00000°,λ96.00000°. Principal axes: T 3.4570,Plg80.0000°,Azm189.0000°; N 0.5490,Plg5.0000°,Azm71.0000° ; P -4.0120,Plg8.0000°,Azm340.0000° $M_0$3.73500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
IDC VII 11 10 16 36.1–6.0 3.70S 66.86E 0 3.7b,3.7
¶620928420
IDC Error ellipse: s-maj=152.3km s-min=44.5km az=82.0.

ISC VII 16 09 42 58.6–.63 37.99S–.09 51.3E–.10 10 3.9b 23 8-149
NEIC VII 16 09 42 59.0–.78 38.06S–.09 51.4E–.20 10–1 4.3b **¶620928709**
IDC VII 16 09 42 58.8–1.5 37.90S 51.49E 0 3.9L,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=14.7km az=267.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.7km s-min=28.6km az=109.0.
ISC VIII 06 14 04 57.7–.35 0.63S–.06 86.99E–.07 10 4.6b,3.6s 114 9-150
IDC VIII 06 14 04 55.9–.46 0.56S 86.97E 0 4.3b,4.3 **¶620973896**
GFZ VIII 06 14 04 58.5–.41 0S–7.0 87E–4.0 10 4.7b,4.7
NEIC VIII 06 14 04 58.2–1.6 0.57S–.09 87.07E–.10 10–1 4.8b,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 16 13 13 03.1–.30 4.31S–.05 82.18E–.05 10 4.9b 269 10-157
IDC VIII 16 13 13 00.9–.41 4.41S 82.24E 0 5.1L,4.5b **¶620989834**
NEIC VIII 16 13 13 03.4–1.4 4.39S–.09 82.27E–.08 10–1 5.0b,4.5b
GFZ VIII 16 13 13 06.6–.33 4S–5.0 82E–6.0 10 5.0b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 07 01 23 15.0–.64 36.30S–.06 53.5E–.10 7 4.1b,3.6s 31 10-149
IDC VIII 07 01 23 14.4–.87 36.35S 53.21E 0 4.5L,3.9b **¶621000695**
NEIC VIII 07 01 23 15.3–1.9 36.2S–.10 53.8E–.20 10–1 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 15 20 34 32.9–5.3 38.67S 52.18E 0 3.8b,3.8
¶621023661
IDC Error ellipse: s-maj=579.3km s-min=32.9km az=25.0.
ISC VIII 24 13 20 39.5–.65 12.5S–.10 80.4E–.10 10 4.0b 38 15-149
IDC VIII 24 13 20 38.1–.86 12.52S 80.42E 0 4.2L,3.8 **¶621049334**
NEIC VIII 24 13 20 40.1–1.2 12.50S–.10 80.44E–.08 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 02 23 00 57.9–.57 35.3S–.10 54.0E–.10 17 4.3b 22 11-148
IDC IX 02 23 00 55.3–1.0 35.23S 54.02E 0 3.9b,3.9 **¶621080707**
NEIC IX 02 23 00 57.2–1.2 35.35S–.05 54.0E–.20 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 01 44 19.9–.69 3.17S–.10 90.53E–.07 10 3.9b,3.7s 118 8-151
IDC VIII 30 01 44 18.1–1.2 3.32S 90.62E 0 4.5L,3.8 **¶621076480**
NEIC VIII 30 01 44 20.1–1.1 3.18S–.04 90.4E–.10 10–1 4.3b,3.8
DJA VIII 30 01 44 29.5–.40 3S–3.0 91E–3.0 50–9 6.0b,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 22 02 43 53.6–1.7 28.31S 87.56E 0 3.9b,3.9
¶621118113
IDC Error ellipse: s-maj=45.2km s-min=38.1km az=128.0.
ISC IX 19 22 10 10.9–.58 20.5S–.10 72.2E–.10 10 4.3b,3.4s 26 8-128
IDC IX 19 22 10 09.0–3.4 20.57S 72.15E 0 4.0b,4.0 **¶621113648**
NEIC IX 19 22 10 11.6–1.8 20.4S–.10 72.1E–.10 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 12 53 52.7–1.1 4.8S–.20 88.8E–.10 10 4.0b,3.4s 15 13-153
IDC X 04 12 53 50.8–1.1 5.00S 88.73E 0 4.3L,3.9 **¶621203121**
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=17.4km az=45.0.
ISC XI 15 06 17 19.3–.56 37.72S–.09 51.1E–.10 16 4.4b 30 8-157
IDC XI 15 06 17 17.5–.85 37.71S 51.02E 0 3.9b,3.9 **¶621475601**
NEIC XI 15 06 17 18.4–1.3 37.74S–.09 51.1E–.20 10–1 4.7b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 21 58 56.7–.25 37.51S–.05 51.12E–.06 16 5.0b,4.7s 556 9-172
BJI XI 14 21 58 52.9 37.64S 51.07E 9 5.6b,5.1s **¶621403196**
IDC XI 14 21 58 54.3–.37 37.50S 51.19E 0 4.7b,4.7
NEIC XI 14 21 58 55.5–1.6 37.58S–.06 51.2E–.10 10–1 5.2b,5.1
GFZ XI 14 21 58 56.8–.19 38S–3.0 51E–4.0 10 5.5b,5.3
GCMT XI 14 21 58 58.3–.10 37.43S–.01 51.07E–.02 12 5.2W,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111142158A. Moment Tensor Solution. s64,c88; s117,c216; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66±.01 $M_{\theta\theta}$0.68±.01; $M_{\phi\phi}$-0.02±.01; $M_{r\theta}$-0.21±.03; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$0.20±.04; Best double couple: NP1:ϕ_s281.00000°,δ36.00000° ,λ-108.00000°. NP2:ϕ_s122.00000°,δ56.00000°,λ-78.00000°. Principal axes:
T 0.8690,Plg10.0000°,Azm203.0000°; N -0.1410,Plg10.0000°,Azm295.0000°
; P -0.7290,Plg75.0000°,Azm69.0000° $M_0$0.79900×10^{17}
ISC XI 14 22 02 10.4–.59 37.60S–.09 51.4E–.20 10 4.4b 31 9-151
IDC XI 14 22 02 08.6–1.1 37.53S 51.32E 0 4.0b,4.0 **¶621468747**
NEIC XI 14 22 02 10.2–1.1 37.68S–.08 51.3E–.20 10–1 4.8b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 22 08 01.9–.53 37.6S–.10 51.3E–.10 10 4.6b 26 18-165
IDC XI 14 22 07 59.9–1.2 37.32S 51.50E 0 3.8b,3.8 **¶621468748**
NEIC XI 14 22 08 02.3–1.8 37.7S–.10 51.3E–.10 10–1 4.8b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PRE XI 05 02 03 57.0–.80 26.31S 36.10E 5 3.3L
¶624894735
PRE Event type se. Error ellipse: s-maj=3.5km s-min=6.1km az=-1.0. Presumed earthquake.
ISC XI 14 23 06 10.4–.52 37.58S–.08 51.2E–.10 16 4.2b 42 9-151
IDC XI 14 23 06 08.0–.67 37.55S 51.15E 0 4.1b,4.0 **¶621468753**
NEIC XI 14 23 06 09.4–1.8 37.69S–.05 51.2E–.20 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 06 10 02.1–.51 37.34S–.08 52.3E–.10 10 4.4b,3.6s 37 9-150
IDC X 16 06 10 00.5–.57 37.30S 52.38E 0 4.3b,4.2 **¶621242110**
NEIC X 16 06 10 02.8–1.2 37.4S–.10 52.4E–.20 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 15 04 23 30.5–.18 37.58S–.03 51.27E–.03 10 5.9s,5.5b 1609 9-174
BJI XI 15 04 23 27.9 37.67S 51.13E 12 6.1s,6.1b **¶621403216**
IDC XI 15 04 23 28.3–.32 37.60S 51.18E 0 5.7s,5.0b
MOS XI 15 04 23 29.1–1.0 37.54S 51.40E 10 5.7s,5.7b
IPGP XI 15 04 23 30.0 37.49S 51.27E 6 5.9W,5.7b
NEIC XI 15 04 23 30.5 37.51S 51.29E 10 5.9W,5.7b
NEIC XI 15 04 23 30.9 37.41S 51.04E 14 6.0,5.7b
NEIC XI 15 04 23 30.4 37.54S 51.26E 10 6.0,5.7b
NEIC XI 15 04 23 30.5–1.8 37.51S–.06 51.3E–.10 10–1 5.9,5.9
GFZ XI 15 04 23 31.7 37.49S 51.30E 10 6.0W,5.9
PTWC XI 15 04 23 31 37.60S 51.20E 10 6.1,5.9
GFZ XI 15 04 23 31.8–.15 38S–3.0 51E–3.0 10 6.2b,5.9
GCMT XI 15 04 23 33.9–.10 37.42S 51.23E 12 6.0W,5.9

ISC Event type se.
IDC Error ellipse: s-maj=11.5km s-min=7.1km az=76.0.
MOS Error ellipse: s-maj=12.3km s-min=5.1km az=94.7.
IPGP Moment Tensor Solution. NP1:ϕ_s276.00000°,δ37.00000°,λ-81.00000°. NP2:ϕ_s84.00000° ,δ54.00000°,λ-97.00000°.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5s8 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.39 $M_{\theta\theta}$1.31 $M_{\phi\phi}$0.08 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.02 $M_{\phi r}$-0.18 NP1:ϕ_s275.91000°,δ42.60000° ,λ-79.78000°. NP2:ϕ_s82.16000°,δ48.23000°,λ-99.26000°. Principal axes:
T 1.3147,Plg3.0000°,Azm179.0000°; N 0.1025,Plg7.0000°,Azm88.0000°
; P -1.4172,Plg83.0000°,Azm291.0000° $M_0$1.37000×10^{18}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.5km az=284.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-7.95 $M_{\theta\theta}$8.94 $M_{\phi\phi}$-0.99 $M_{r\theta}$1.33 $M_{\theta\phi}$0.24 $M_{\phi r}$-1.74 NP1:ϕ_s75.44000°,δ42.23000°,λ-109.92000°. NP2:ϕ_s281.51000°,δ50.81000° ,λ-72.82000°. Principal axes: T 9.0434,Plg4.0000°,Azm359.0000°; N -0.5800,Plg13.0000° ,Azm90.0000°; P -8.4634,Plg76.0000°,Azm251.0000° $M_0$8.77000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.13 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-0.04 $M_{r\theta}$0.23 $M_{\theta\phi}$0.04 $M_{\phi r}$-0.30 NP1: ϕ_s74.28760°,δ41.21667°,λ-111.58596°. NP2:ϕ_s282.03049°,δ52.21524°,λ-72.13803°. Principal axes: T 1.1906,Plg5.6620°,Azm359.4418°; N 0.0378,Plg14.0288°,Azm90.8613°
; P -1.2284,Plg74.8280°,Azm247.9964° $M_0$1.20993×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111150423A. Moment Tensor Solution. s147,c290; s166,c630;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.26±.01 $M_{\theta\theta}$1.27±.01; $M_{\phi\phi}$-0.01±.01; $M_{r\theta}$0.30±.02; $M_{\theta\phi}$0.00±.01; $M_{\phi r}$0.08±.02; Best double couple: NP1:ϕ_s94.00000°,δ39.00000°,λ-84.00000°. NP2:ϕ_s266.00000°,δ52.00000°,λ-94.00000°. Principal axes: T 1.3040,Plg7.0000°,Azm360.0000°; N -0.0130,Plg3.0000°,Azm269.0000°
; P -1.2990,Plg83.0000°,Azm152.0000° $M_0$1.30200×10^{18}
ISC XI 15 06 30 18.6–.90 37.5S–.20 51.1E–.20 16 3.7b 8 9-157
IDC XI 15 06 30 16.1–.93 37.48S 51.13E 0 3.9b,3.9 **¶621475603**
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=30.7km az=12.0.
ISC XI 15 07 12 00.2–.26 37.52S–.05 51.01E–.06 16 5.1b,4.8s 421 9-172
IDC XI 15 07 11 57.5–.40 37.59S 51.16E 0 4.8s,4.6b **¶621403224**
BJI XI 15 07 11 57.5 37.63S 50.92E 12 5.4b,5.1b
NEIC XI 15 07 11 58.7–.95 37.47S–.08 51.0E–.10 10–1 5.3,5.1b
GFZ XI 15 07 12 00.5–.18 38S–4.0 51E–4.0 10 5.6b,5.1
GCMT XI 15 07 12 01.7–.10 37.44S–.01 51.10E–.02 12 5.2W,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111150711B. Moment Tensor Solution. s56,c72; s143,c253; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.87±.01 $M_{\theta\theta}$0.76±.01; $M_{\phi\phi}$0.11±.01; $M_{r\theta}$0.12±.04; $M_{\theta\phi}$0.16±.01; $M_{\phi r}$0.16±.06; Best double couple: NP1:ϕ_s84.00000°,δ40.00000° ,λ-79.00000°. NP2:ϕ_s249.00000°,δ51.00000°,λ-99.00000°. Principal axes:
T 0.8130,Plg5.0000°,Azm346.0000°; N 0.0920,Plg7.0000°,Azm255.0000°
; P -0.9050,Plg81.0000°,Azm112.0000° $M_0$0.85900×10^{17}
ISC XI 15 04 30 45.6–1.5 37.6S–.40 51.1E–.30 16 3.9b 8 9-172
IDC XI 15 04 30 43.3–1.5 37.62S 51.16E 0 4.1b,4.0 **¶621475589**
ISC Event type se.
IDC Error ellipse: s-maj=63.5km s-min=38.9km az=25.0.
ISC XI 15 07 13 32.8–.40 37.54S–.08 51.2E–.10 16 4.7b 69 9-172
IDC XI 15 07 13 30.9–.57 37.52S 51.18E 0 4.4b,4.4 **¶621475609**
NEIC XI 15 07 13 32.1–.78 37.55S–.08 51.2E–.10 10–1 5.0b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 16 08 33 01.9–.40 9.00S–.04 88.13E–.04 16–2 5.2b,4.6s 865 9-157
IDC XI 16 08 32 59.2–.42 8.97S 88.05E 0 5.1L,4.8 **¶621409318**
MOS XI 16 08 32 59.6–.90 8.93S 88.17E 14 5.4b,4.6s
GFZ XI 16 08 33 01.8–.14 9S–3.0 88E–2.0 10 5.7b,5.3
NEIC XI 16 08 33 01.6–1.9 8.95S–.09 88.15E–.07 10–1 5.3b,5.3
GCMT XI 16 08 33 04.9–.10 9.00S–.01 88.11E–.01 26–0 5.4W,5.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111160833A. Moment Tensor Solution. s114,c191; s137,c269;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.07±.02 $M_{\theta\theta}$-0.49±.01; $M_{\phi\phi}$0.42±.02; $M_{r\theta}$0.05±.03; $M_{\theta\phi}$-1.24±.01; $M_{\phi r}$-0.38±.04; Best double couple: NP1:ϕ_s99.00000° ,δ74.00000°,λ175.00000°. NP2:ϕ_s191.00000°,δ85.00000°,λ16.00000°. Principal axes:
T 1.3760,Plg15.0000°,Azm56.0000°; N 0.0040,Plg74.0000°,Azm209.0000°
; P -1.3800,Plg7.0000°,Azm324.0000° $M_0$1.37800×10^{17}
IDC XI 15 04 39 02.4–2.3 37.19S 51.13E 0 3.6b,3.6
¶621475590
IDC Error ellipse: s-maj=70.1km s-min=52.9km az=114.0.
ISC XI 15 04 39 59.5–.54 37.49S–.09 51.2E–.10 10 4.2b 32 9-172
IDC XI 15 04 39 57.7–.64 37.58S 51.15E 0 4.0b,4.0 **¶621475593**
NEIC XI 15 04 40 01.2–1.5 37.64S–.10 51.3E–.20 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 15 04 42 02.2–2.3 37.54S 51.51E 0 3.6b,3.6
¶621475594
IDC Error ellipse: s-maj=72.0km s-min=53.1km az=113.0.
ISC XI 15 04 52 35.5–.29 37.54S–.06 51.37E–.07 10 4.7b 153 9-172
IDC XI 15 04 52 34.1–.50 37.59S 51.44E 0 4.8s,4.4L **¶621403228**
GFZ XI 15 04 52 36.0–.16 37S–3.0 51E–4.0 10 6.9,6.8
NEIC XI 15 04 52 36.1–1.7 37.62S–.08 51.4E–.10 10–1 4.7b,6.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 15 09 27 29.1–1.3 37.7S–.20 51.6E–.30 10 4.1b,3.8s 6 8-151
IDC XI 15 09 27 27.5–1.4 37.68S 51.61E 0 4.0b,4.0 **¶621475621**
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=29.7km az=84.0.
ISC XI 15 20 48 39.9–.35 37.57S–.06 51.05E–.09 16 4.6b,4.0s 146 9-157
IDC XI 15 20 48 37.7–.48 37.54S 51.12E 0 4.3b,4.3 **¶621406946**
NEIC XI 15 20 48 38.6–2.0 37.65S–.08 51.0E–.20 10–1 4.7b,4.3
GFZ XI 15 20 48 40.0–.20 38S–3.0 51E–6.0 10 5.7,5.5
GCMT XI 15 20 48 41.7–.30 37.43S–.02 51.12E–.05 17–1 4.8W,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111152048A. Moment Tensor Solution. s24,c26; s81,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.23±.17 $M_{\theta\theta}$2.14±.11; $M_{\phi\phi}$0.09±.09; $M_{r\theta}$-0.45±.24; $M_{\theta\phi}$-0.24±.06; $M_{\phi r}$-0.16±.34; Best double couple: NP1:ϕ_s282.00000° ,δ40.00000°,λ-82.00000°. NP2:ϕ_s91.00000°,δ51.00000°,λ-97.00000°. Principal axes:
T 2.2090,Plg6.0000°,Azm186.0000°; N 0.0830,Plg5.0000°,Azm95.0000°
; P -2.2910,Plg82.0000°,Azm323.0000° $M_0$2.25000×10^{16}
ISC XI 15 10 50 30.4–2.7 37.5S–.20 51.6E–.50 10 6 9-151
IDC XI 15 10 50 29.8–2.4 37.55S 51.81E 0 3.4b,3.4 **¶621475627**
ISC Event type se.
IDC Error ellipse: s-maj=70.7km s-min=46.4km az=93.0.
ISC XI 19 10 59 51.9–.00 60.3S–.20 110.2E–.20 10 4.0b,3.3s 7 21-88

IDC XI 19 10 59 50.4–1.1 60.33S 110.17E 0 4.0b,4.0 **¶621590285**
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=18.4km az=110.0.
ISC XI 24 18 20 05.6–.36 36.15S–.06 53.54E–.08 14 4.6b,4.3s 78 10-149
IDC XI 24 18 20 02.9–.65 36.13S 53.38E 0 4.6L,4.2 **¶621460282**
GFZ XI 24 18 20 04.4–.22 36S–3.0 54E–4.0 10 5.3,5.0
NEIC XI 24 18 20 05.6–2.2 36.15S–.08 53.6E–.20 10–1 4.7b,5.0
GCMT XI 24 18 20 07.2–.10 36.10S–.01 53.38E–.01 13–0 5.2W,5.0
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111241820A. Moment Tensor Solution. s95,c146; s128,c225;Duration: 1$s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.47±.12 $M_{\theta\phi}$2.07±.12; $M_{\phi\phi}$-0.59±.12; $M_{r\theta}$0.86±.24; $M_{\theta\phi}$7.28±.12; $M_{\phi r}$-0.34±.24; Best double couple: NP1:ϕ_s5.00000° ,δ82.00000°,λ-176.00000°. NP2:ϕ_s275.00000°,δ86.00000°,λ-8.00000°. Principal axes: T 8.1570,Plg3.0000°,Azm320.0000°; N -1.3670,Plg81.0000°,Azm67.0000° ; P -6.7900,Plg9.0000°,Azm230.0000° $M_0$7.47300×10^{16}
ISC XII 07 22 13 31.1–.62 8.1S–.10 83.86E–.07 10 4.6b 74 11-89
IDC XII 07 22 13 28.9–.71 8.07S 84.03E 0 4.1b,4.1 **¶621632706**
NEIC XII 07 22 13 32.9–2.2 8.0S–.10 83.83E–.09 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 25 09 20 11.4–.57 36.34S–.04 53.34E–.05 6–3 5.4b,4.7s 772 10-173
IDC XII 25 09 20 10.7–.38 36.30S 53.45E 0 5.5L,5.0b **¶621653356**
BJI XII 25 09 20 11.3 35.95S 53.11E 10 5.6b,5.2s
MOS XII 25 09 20 11.2–.73 36.34S 53.48E 13 5.6b,4.6s
NEIC XII 25 09 20 12.8 36.35S 53.34E 10 5.6b,4.6s
GFZ XII 25 09 20 13.0–.19 36S–3.0 53E–4.0 10 5.6b,5.4
NEIC XII 25 09 20 12.4–.86 36.34S–.02 53.3E–.10 10–1 5.4b,5.4
NEIC XII 25 09 20 13.2 36.25S 53.34E 20 5.4,5.4
GFZ XII 25 09 20 13.1 36.31S 53.37E 10 5.1W,5.4
GCMT XII 25 09 20 14.6–.10 36.22S–.01 53.32E–.01 12 5.3W,5.4
ISC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2$s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.39 $M_{\theta\theta}$1.48 $M_{\phi\phi}$-0.10 $M_{r\theta}$-0.33 $M_{\theta\phi}$0.18 $M_{\phi r}$-0.38 NP1:ϕ_s277.17000°,δ39.47000° ,λ-68.83000°. NP2:ϕ_s70.52000°,δ53.64000°,λ-106.57000°. Principal axes: T 1.5495,Plg7.0000°,Azm172.0000°; N -0.0349,Plg13.0000°,Azm81.0000° ; P -1.5146,Plg75.0000°,Azm290.0000° $M_0$1.53000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.02 $M_{\theta\theta}$5.29 $M_{\phi\phi}$0.72 $M_{r\theta}$-2.32 $M_{\theta\phi}$1.19 $M_{\phi r}$-1.31 NP1: ϕ_s70.22069°,δ57.19912°,λ-96.24728°. NP2:ϕ_s261.64505°,δ33.32511°,λ-80.41604°. Principal axes: T 6.1279,Plg11.9923°,Azm164.7325°; N 0.4985,Plg5.2481°,Azm73.6145° ; P -6.6264,Plg76.8782°,Azm320.4083° $M_0$6.39176×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112250920A. Moment Tensor Solution. s84,c128; s143,c261;Duration: 1$s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$1.03±.01; $M_{\phi\phi}$-0.04±.01; $M_{r\theta}$0.29±.03; $M_{\theta\phi}$0.14±.01; $M_{\phi r}$-0.01±.04; Best double couple: NP1:ϕ_s79.00000° ,δ37.00000°,λ-95.00000°. NP2:ϕ_s266.00000°,δ53.00000°,λ-86.00000°. Principal axes: T 1.0880,Plg8.0000°,Azm353.0000°; N -0.0640,Plg3.0000°,Azm83.0000° ; P -1.0270,Plg82.0000°,Azm194.0000° $M_0$1.05700×10^{17}

(426) Chagos Archipelago region.

ISC VII 12 01 11 33.3–1.1 5.0S–.20 68.4E–.20 10 4.3b 46 5-146
IDC VII 12 01 11 31.0–1.5 4.99S 68.28E 0 3.9b,3.9 **¶620928453**
NEIC VII 12 01 11 36.4–1.9 4.67S–.05 68.4E–.20 10–2 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 12 01 24 20.4–2.4 5.1S–.30 68.6E–.30 13 3.8b 15 5-146
IDC VII 12 01 24 18.2–2.6 5.08S 68.54E 0 3.6b,3.6 **¶620928454**
ISC Event type se.
IDC Error ellipse: s-maj=76.8km s-min=23.6km az=60.0.
ISC VII 12 01 28 02.9–.37 5.19S–.06 68.50E–.06 13 4.7b,4.3s 215 5-155
IDC VII 12 01 28 01.3–.56 5.06S 68.37E 0 4.3s,4.1b **¶620787524**
NEIC VII 12 01 28 02.9–.91 5.2S–.10 68.47E–.05 10–1 4.8b,4.1b
BJI VII 12 01 28 03.3 5.20S 68.40E 12 5.2b,4.8s
GFZ VII 12 01 28 04.2–.26 5S–5.0 68E–7.0 10 4.9,4.7b
GCMT VII 12 01 28 05.1–.20 5.11S–.01 68.55E–.01 12 5.1W,4.7b
GFZ VII 12 01 28 06.4 5.24S 68.41E 10 5.0W,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=15.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=8.6km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107120128A. Moment Tensor Solution. s56,c71; s136,c243; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.95±.08 $M_{\theta\theta}$2.72±.08; $M_{\phi\phi}$2.23±.09; $M_{r\theta}$1.58±.28; $M_{\theta\phi}$-2.60±.07; $M_{\phi r}$-0.58±.30; Best double couple: NP1:ϕ_s139.00000°,δ37.00000° ,λ-79.00000°. NP2:ϕ_s305.00000°,δ54.00000°,λ-98.00000°. Principal axes: T 5.3260,Plg9.0000°,Azm41.0000°; N -0.0620,Plg7.0000°,Azm310.0000° ; P -5.2630,Plg79.0000°,Azm183.0000° $M_0$5.29500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.83 $M_{\theta\theta}$3.06 $M_{\phi\phi}$1.77 $M_{r\theta}$-0.33 $M_{\theta\phi}$-1.78 $M_{\phi r}$1.11 NP1: ϕ_s132.76012°,δ51.16012°,λ-80.69622°. NP2:ϕ_s298.12037°,δ39.76672°,λ-101.35341°. Principal axes: T 4.3997,Plg5.7427°,Azm216.1626°; N 0.6107,Plg7.2341°,Azm306.8940° ; P -5.0104,Plg80.7444°,Azm88.0564° $M_0$4.73465×10^{16}
ISC VII 12 01 56 45.1–1.5 4.9S–.20 68.6E–.30 13 3.8b 14 5-155
IDC VII 12 01 56 43.6–1.8 4.80S 68.67E 0 3.7b,3.7 **¶620928457**
ISC Event type se.
IDC Error ellipse: s-maj=51.5km s-min=24.9km az=46.0.
ISC VII 12 01 57 55.9–.50 5.11S–.10 68.54E–.09 13 4.3b,3.8s 82 5-155
IDC VII 12 01 57 54.3–.73 4.99S 68.37E 0 4.0s,3.9b **¶620928458**
NEIC VII 12 01 57 56.0–1.8 5.1S–.10 68.6E–.10 10–1 4.6b,3.9b
GCMT VII 12 01 57 57.6–.20 5.17S–.02 68.54E–.02 14–0 5.0W,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107120158A. Moment Tensor Solution. s25,c27; s115,c174; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.32±.18 $M_{\theta\theta}$1.90±.12; $M_{\phi\phi}$1.42±.11; $M_{r\theta}$-0.26±.25; $M_{\theta\phi}$-1.72±.07; $M_{\phi r}$-0.52±.25; Best double couple: NP1:ϕ_s122.00000° ,δ45.00000°,λ-104.00000°. NP2:ϕ_s320.00000°,δ47.00000°,λ-77.00000°. Principal axes: T 3.4000,Plg1.0000°,Azm41.0000°; N 0.0160,Plg9.0000°,Azm131.0000° ; P -3.4160,Plg80.0000°,Azm304.0000° $M_0$3.40800×10^{16}
ISC VII 12 03 19 16.0–.62 5.1S–.10 68.5E–.10 13 4.3b,4.0s 50 5-155
IDC VII 12 03 19 14.5–.87 5.11S 68.50E 0 3.9b,3.9 **¶620928460**
BGR VII 12 03 19 15.4 8.39S 64.41E 33 4.2b,3.9
NEIC VII 12 03 19 16.2–2.0 5.1S–.10 68.6E–.10 10–1 4.8b,3.9
GCMT VII 12 03 19 16.8–.30 5.17S–.02 68.53E–.03 12–1 4.9W,3.9
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107120319A. Moment Tensor Solution. s19,c22; s105,c146; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.50±.16 $M_{\theta\theta}$1.60±.10; $M_{\phi\phi}$0.89±.10; $M_{r\theta}$-0.28±.30; $M_{\theta\phi}$-1.21±.07; $M_{\phi r}$-0.16±.34; Best double couple: NP1:ϕ_s314.00000° ,δ44.00000°,λ-80.00000°. NP2:ϕ_s120.00000°,δ47.00000°,λ-99.00000°. Principal axes: T 2.5130,Plg1.0000°,Azm217.0000°; N 0.0250,Plg7.0000°,Azm127.0000° ; P -2.5380,Plg83.0000°,Azm319.0000° $M_0$2.52600×10^{16}
ISC VIII 09 18 02 04.0–.50 5.75S–.07 69.80E–.08 10 4.3b,3.4s 49 3-156
IDC VIII 09 18 02 02.2–.68 5.79S 69.61E 0 4.6L,4.0b **¶621007278**
NEIC VIII 09 18 02 04.3–1.7 5.73S–.06 69.80E–.07 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 04 08 36.5–.66 5.0S–.10 68.24E–.09 10 4.1b,3.6s 31 5-146
IDC IX 26 04 08 34.6–1.2 5.06S 68.06E 0 3.9b,3.9 **¶621131484**
NEIC IX 26 04 08 36.9–1.4 5.0S–.10 68.3E–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 16 48 48.3–1.5 7.4S–.30 68.2E–.10 12 3.7b,3.6s 12 4-81
IDC IX 12 16 48 46.3–1.6 7.36S 68.11E 0 3.6b,3.6 **¶621109667**
ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=26.2km az=28.0.
ISC IX 27 15 20 19.0–.62 5.71S–.10 68.5E–.10 13 4.0b,3.5s 29 4-155
IDC IX 27 15 20 17.1–2.0 5.68S 68.42E 0 3.8b,3.8 **¶621140725**
NEIC IX 27 15 20 19.9–1.6 5.52S–.08 68.5E–.10 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 06 16 33 38.8–2.9 4.8S–.30 68.9E–.40 10 4.4s,3.6b 11 5-65
IDC X 06 16 33 37.4–3.5 4.79S 68.94E 0 4.1s,3.5b **¶621217159**
ISC Event type se.
IDC Error ellipse: s-maj=94.8km s-min=24.8km az=62.0.
ISC XI 11 07 40 29.6–2.7 5.6S–.30 68.8E–.30 10 3.9b,3.3s 10 4-76
IDC XI 11 07 40 27.1–4.5 5.77S 68.77E 0 3.8b,3.8 **¶621449513**
ISC Event type se.
IDC Error ellipse: s-maj=118.6km s-min=37.6km az=73.0.
ISC XI 03 07 34 24.2–.47 3.20S–.08 68.14E–.09 11 4.2b,3.5s 51 6-153
IDC XI 03 07 34 22.8–.57 3.19S 68.08E 0 4.0b,4.0 **¶621412230**
NEIC XI 03 07 34 24.8–2.1 3.2S–.10 68.2E–.10 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 21 12 55.4–1.5 3.6S–.20 68.2E–.30 10 3.9b 12 6-79
IDC XII 17 21 12 54.8–1.6 3.35S 68.13E 0 3.7b,3.7 **¶621656951**
ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=26.0km az=49.0.
ISC XII 17 19 15 15.2–.48 3.15S–.07 68.17E–.07 11 4.5b,3.6s 68 6-121
IDC XII 17 19 15 14.1–.70 3.17S 68.13E 0 4.1b,4.1 **¶621656945**
NEIC XII 17 19 15 15.8–1.6 3.15S–.09 68.21E–.09 10–1 4.8b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 12 49 37.0–.52 3.52S–.09 68.50E–.09 12 4.2b,3.6s 49 13-153
IDC XII 12 12 49 35.3–.87 3.48S 68.61E 0 3.9b,3.9 **¶621650508**
NEIC XII 12 12 49 37.3–.90 3.50S–.07 68.5E–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 13 39 28.3–.38 3.32S–.06 68.39E–.06 12 4.7b,4.4s 236 6-153
IDC XII 18 13 39 26.1–.69 3.43S 68.34E 0 4.3b,4.3 **¶621633488**
NEIC XII 18 13 39 28.3–2.3 3.17S–.09 68.38E–.09 10–1 4.9b,4.3
GCMT XII 18 13 39 30.9–.20 3.54S–.02 68.36E–.02 12 4.9W,4.3
GFZ XII 18 13 39 30.0–.35 3S–7.0 68E–4.0 10 5.2b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112181339A. Moment Tensor Solution. s30,c35; s114,c167; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.82±.06 $M_{\theta\theta}$2.04±.06; $M_{\phi\phi}$0.78±.06; $M_{r\theta}$0.98±.24; $M_{\theta\phi}$-1.03±.05; $M_{\phi r}$0.75±.29; Best double couple: NP1:ϕ_s136.00000°,δ42.00000° ,λ-63.00000°. NP2:ϕ_s281.00000°,δ53.00000°,λ-113.00000°. Principal axes: T 2.6670,Plg6.0000°,Azm27.0000°; N 0.5690,Plg18.0000°,Azm295.0000° ; P -3.2340,Plg71.0000°,Azm134.0000° $M_0$2.95000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 18 13 40 36.7–.72 3.5S–.10 68.3E–.10 12 4.4b,3.8s 26 6-153
IDC XII 18 13 40 34.8–.71 3.46S 68.31E 0 4.4b,4.4 **¶621657006**
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=15.7km az=45.0.

(427) Mauritius-Reunion region.

ISC X 09 23 38 52.6–.72 17.1S–.10 66.4E–.20 10 4.0b,3.6s 25 11-86
NEIC X 09 23 38 49.3–1.2 17.33S–.09 65.6E–.20 10–1 4.5b,3.6s **¶621235357**
IDC X 09 23 38 51.8–.86 17.18S 66.55E 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=14.9km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.9km s-min=20.5km az=93.0.
ISC VIII 21 10 30 21.5–.57 18.9S–.10 65.16E–.09 10 4.1b,3.6s 35 2-165
IDC VIII 21 10 30 20.6–.68 18.86S 65.35E 0 3.9b,3.9 **¶621042983**
NEIC VIII 21 10 30 21.7–.96 18.9S–.10 65.14E–.05 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 09 29 36.1–.29 17.44S–.05 66.50E–.05 14 5.4s,4.6b 209 4-165
IDC XII 12 09 29 32.1–.47 17.33S 66.82E 0 5.2s,4.3L **¶621627645**
BJI XII 12 09 29 34.1 17.55S 65.83E 22 4.5b,4.3L
NEIC XII 12 09 29 35.8–1.0 17.47S–.08 66.43E–.08 10–1 4.9b,4.3L
GFZ XII 12 09 29 37.6–.19 17S–4.0 67E–3.0 10 6.2,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 09 21 49 15.8–.59 17.4S–.10 66.2E–.10 10 4.0b,3.9s 29 4-93
NEIC X 09 21 49 15.8–1.1 17.40S–.10 66.16E–.06 10–1 4.3b,3.9s **¶621235351**
IDC X 09 21 49 15.2–.97 17.28S 66.57E 0 3.8s,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.1km az=19.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.7km s-min=22.5km az=66.0.
ISC XI 30 11 42 00.0–1.5 20.4S–.20 66.0E–.40 10 3.9b 8 14-77
IDC XI 30 11 41 58.2–1.5 20.41S 65.98E 0 3.8b,3.8 **¶621627054**
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=25.6km az=76.0.
ISC XII 30 09 39 02.5–.39 20.10S–.09 66.66E–.07 16 4.6b,4.0s 144 3-167
IDC XII 30 09 39 00.4–.54 20.00S 66.89E 0 4.4b,4.4 **¶621657466**
NEIC XII 30 09 39 01.7–1.7 20.1S–.10 66.56E–.09 10–1 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 18 09 05.5–.63 20.1S–.10 66.6E–.10 16 4.4b,3.6s 58 3-147
IDC XII 30 18 09 03.5–.91 20.09S 66.80E 0 4.1b,4.1 **¶621700332**
NEIC XII 30 18 09 04.8–2.1 20.0S–.10 66.5E–.10 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 13 49 04.7–.43 20.22S–.09 66.52E–.08 16 4.5b 63 3-167
IDC XII 30 13 49 03.3–.71 20.16S 66.67E 0 4.2b,4.2 **¶621726011**
NEIC XII 30 13 49 04.1–1.7 20.22S–.10 66.49E–.09 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 18 17 18.7–4.3 20.1S–.50 66.8E–.70 10 3.8b 7 14-76

IDC XII 30 18 17 16.6–4.1 20.11S 66.73E 0 3.7b,3.7 ¶621726021
ISC Event type se.
IDC Error ellipse: s-maj=119.1km s-min=33.0km az=56.0.
ISC XII 30 17 12 54.2–2.6 20.4S–.40 66.5E–.40 10 3.9b 7 14-77
IDC XII 30 17 12 52.5–2.6 20.35S 66.44E 0 3.7b,3.7 ¶621726018
ISC Event type se.
IDC Error ellipse: s-maj=78.2km s-min=30.1km az=49.0.
ISC XII 30 18 01 06.6–1.1 20.4S–.20 66.5E–.10 10 4.2b 24 3-138
IDC XII 30 18 01 06.5–1.9 20.14S 66.76E 0 4.0b,4.0 ¶621726020
NEIC XII 30 18 01 07.3–1.1 20.3S–.20 66.51E–.08 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(428) Southwest Indian Ridge.

IDC VII 01 02 20 48.3–6.0 33.93S 56.71E 0 3.8s,3.6b ¶620927652
IDC Error ellipse: s-maj=356.1km s-min=48.6km az=34.0.
ISC VII 03 14 32 58.6–.95 40.3S–.20 46.2E–.20 10 3.9b 7 7-153
IDC VII 03 14 32 56.9–.96 40.26S 46.15E 0 3.9b,3.9 ¶620927809
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=26.1km az=35.0.
ISC VII 13 20 45 22.6–.34 27.80S–.07 63.83E–.06 10 4.8b,4.0s 276 8-169
BJI VII 13 20 45 18.4 28.41S 62.94E 25 5.2b,4.7s ¶620823830
IDC VII 13 20 45 21.1–.43 27.84S 63.87E 0 4.4b,4.4
NEIC VII 13 20 45 22.5–1.6 27.72S–.06 63.87E–.08 10–1 4.9b,4.4
GFZ VII 13 20 45 23.6–.27 28S–6.0 64E–6.0 10 4.7b,4.7
GCMT VII 13 20 45 27.0–.20 27.91S–.02 63.75E–.03 14–0 4.9W,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107132045A. Moment Tensor Solution. s46,c53; s104,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.18±.17 $M_{\theta\theta}$2.76±.12; $M_{\phi\phi}$0.42±.10; $M_{r\theta}$-0.30±.22; $M_{\theta\phi}$0.73±.08; $M_{\phi r}$-0.82±.31; Best double couple: NP1:ϕ_s265.00000°,δ41.00000° ,λ-73.00000°. NP2:ϕ_s63.00000°,δ51.00000°,λ-104.00000°. Principal axes: T 3.0140,Plg5.0000°,Azm163.0000°; N 0.3520,Plg11.0000°,Azm72.0000° ; P -3.3620,Plg78.0000°,Azm276.0000° $M_0$3.18800×10^{16}
ISC VII 14 16 47 32.1–.92 40.9S–.20 44.5E–.20 12 4.0b,3.4s 22 16-152
IDC VII 14 16 47 30.2–.87 40.98S 44.55E 0 3.8b,3.8 ¶620928604
NEIC VII 14 16 47 32.0–1.7 40.9S–.10 44.52E–.10 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 10 45 35.3–.43 30.97S–.08 59.01E–.09 10 4.7b,4.3s 87 10-165
IDC VIII 15 10 45 34.0–.48 31.04S 59.08E 0 4.4b,4.4 ¶621023592
NEIC VIII 15 10 45 35.6–.99 30.94S–.08 59.0E–.10 10–1 4.9b,4.4
GCMT VIII 15 10 45 40.3–.40 30.91S–.02 59.11E–.04 21–1 5.1W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108151045A. Moment Tensor Solution. s27,c28; s83,c109; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.90±.33 $M_{\theta\theta}$2.69±.19; $M_{\phi\phi}$1.21±.20; $M_{r\theta}$2.58±.34; $M_{\theta\phi}$1.54±.13; $M_{\phi r}$-3.09±.45; Best double couple: NP1:ϕ_s38.00000°,δ44.00000° ,λ-135.00000°. NP2:ϕ_s273.00000°,δ61.00000°,λ-56.00000°. Principal axes: T 3.7520,Plg10.0000°,Azm339.0000°; N 2.5930,Plg29.0000°,Azm74.0000° ; P -6.3450,Plg59.0000°,Azm233.0000° $M_0$5.04800×10^{16}
ISC VIII 05 22 24 26.8–.48 29.25S–.10 60.87E–.08 10 4.5b,3.3s 55 9-147
IDC VIII 05 22 24 26.0–.87 29.29S 61.05E 0 4.1L,3.9b ¶620998837
NEIC VIII 05 22 24 27.2–1.0 29.21S–.09 60.9E–.10 10–1 4.8b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 08 03 59 32.2–1.1 28.3S–.20 62.4E–.30 10 4.2b,3.2s 7 20-84
IDC VIII 08 03 59 30.6–1.1 28.32S 62.45E 0 3.9b,3.9 ¶621002111
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=25.1km az=88.0.
ISC VIII 29 11 52 50.3–.64 33.61S–.09 57.0E–.20 14 4.2b 21 12-151
IDC VIII 29 11 52 48.6–1.5 33.80S 56.96E 0 3.9b,3.9 ¶621073174
NEIC VIII 29 11 52 50.2–1.7 33.58S–.10 57.1E–.20 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 15 18 07 49.6–.73 33.5S–.10 57.2E–.20 10 4.2b,3.2s 19 12-145
IDC IX 15 18 07 48.3–1.2 33.60S 57.09E 0 4.4L,4.1 ¶621112002
NEIC IX 15 18 07 50.1–1.7 33.51S–.09 57.1E–.20 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 13 16 35.7–.85 27.7S–.10 63.8E–.10 10 4.1b 21 8-145
IDC IX 12 13 16 33.5–2.6 27.82S 63.59E 0 3.9b,3.9 ¶621109655
NEIC IX 12 13 16 36.0–.96 27.7S–.10 63.9E–.10 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 14 13 12.2–.49 36.22S–.07 52.4E–.10 10 4.6b,3.6s 47 10-159
IDC VIII 29 14 13 10.1–.62 36.27S 52.57E 0 4.1b,4.1 ¶621009997
NEIC VIII 29 14 13 12.5–.82 36.27S–.04 52.5E–.20 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 07 18 07.0–1.2 31.1S–.20 58.8E–.30 10 4.2b 9 16-153
IDC X 04 07 18 05.5–1.1 31.06S 58.84E 0 4.0b,4.0 ¶621203103
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=26.7km az=82.0.
ISC IX 28 05 08 38.6–.69 29.3S–.10 60.84E–.09 10 4.4b 46 9-166
IDC IX 28 05 08 35.2–.58 29.89S 60.92E 0 4.3L,4.1b ¶621140797
NEIC IX 28 05 08 39.7–1.1 29.1S–.10 60.8E–.10 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 01 06 03 12.0–.74 29.1S–.10 61.2E–.10 10 4.4b 24 19-85
IDC X 01 06 03 10.9–1.4 29.16S 61.39E 0 3.9b,3.9 ¶621147812
NEIC X 01 06 03 12.5–.89 29.1S–.10 61.3E–.20 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 08 02 02.2–.61 31.1S–.10 58.5E–.10 10 4.3b 39 10-165
IDC X 04 08 02 01.1–.80 31.21S 58.69E 0 4.1b,4.1 ¶621203107
NEIC X 04 08 02 02.9–1.2 31.02S–.09 58.5E–.10 10–1 4.8b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 08 00 09 45.6–.46 32.07S–.08 55.75E–.08 10 4.9b 48 10-149
IDC X 08 00 09 44.5–3.4 32.15S 55.80E 0 4.0b,4.0 ¶621224611
NEIC X 08 00 09 46.3–1.5 32.05S–.09 55.7E–.10 10–0 5.0b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 13 36 55.3–.55 31.1S–.10 58.8E–.10 10 4.5b,3.5s 27 16-153
IDC X 04 13 36 53.2–1.1 31.08S 58.68E 0 3.9b,3.9 ¶621203123
NEIC X 04 13 36 55.8–.42 31.1S–.10 58.8E–.10 10–1 4.7b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 14 03 47 04.9–.25 36.34S–.04 52.45E–.05 10 5.2b,4.4s 464 10-172
IDC X 14 03 47 02.9–.38 36.29S 52.58E 0 4.9L,4.9b ¶621148707
BJI X 14 03 47 03.0 36.30S 52.40E 10 5.4b,5.1b
NEIC X 14 03 47 04.9–1.6 36.32S–.08 52.4E–.10 10–1 5.3,5.3b
NEIC X 14 03 47 04.9 36.32S 52.43E 10 5.3,5.3b
GFZ X 14 03 47 05.5–.19 36S–3.0 52E–4.0 10 5.7b,5.3
GFZ X 14 03 47 05.5 36.31S 52.47E 10 5.1W,5.3
GCMT X 14 03 47 06.2–.10 36.36S–.01 52.32E–.01 12 5.2W,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.36 $M_{\theta\theta}$1.78 $M_{\phi\phi}$1.58 $M_{r\theta}$1.07 $M_{\theta\phi}$7.75 $M_{\phi r}$-0.90 NP1:ϕ_s267.97000°,δ74.51000°,λ-17.03000°. NP2:ϕ_s2.65000°,δ73.60000° ,λ-163.83000°. Principal axes: T 9.4346,Plg1.0000°,Azm315.0000°; N -2.7730,Plg67.0000° ,Azm47.0000°; P -6.6616,Plg23.0000°,Azm225.0000° $M_0$8.40000×10^{16}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.37 $M_{\theta\theta}$0.98 $M_{\phi\phi}$4.38 $M_{r\theta}$-0.05 $M_{\theta\phi}$3.67 $M_{\phi r}$-1.38 NP1: ϕ_s222.30778°,δ40.24831°,λ-75.52038°. NP2:ϕ_s23.61507°,δ51.27530°,λ-101.95074°. Principal axes: T 6.8418,Plg5.5865°,Azm122.0751°; N -1.2427,Plg9.2968°,Azm31.1577° ; P -5.5991,Plg79.1282°,Azm242.6915° $M_0$6.31286×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110140347A. Moment Tensor Solution. s83,c136; s134,c236;Duration: 1ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.47±.01 $M_{\theta\theta}$0.25±.01; $M_{\phi\phi}$0.22±.01; $M_{r\theta}$0.23±.03; $M_{\theta\phi}$0.81±.01; $M_{\phi r}$-0.00±.04; Best double couple: NP1:ϕ_s6.00000° ,δ59.00000°,λ-155.00000°. NP2:ϕ_s263.00000°,δ69.00000°,λ-33.00000°. Principal axes: T 1.0600,Plg6.0000°,Azm316.0000°; N -0.3630,Plg51.0000°,Azm54.0000° ; P -0.6980,Plg38.0000°,Azm221.0000° $M_0$0.87900×10^{17}
IDC X 11 03 44 47.8–1.2 36.13S 52.51E 0 3.8b,3.8 ¶621236858
IDC Error ellipse: s-maj=52.2km s-min=30.1km az=12.0.
ISC XI 10 11 35 56.4–.52 28.43S–.10 62.61E–.09 10 4.3b 44 10-146
IDC XI 10 11 35 54.7–.56 28.46S 62.73E 0 4.2b,4.1 ¶621440057
NEIC XI 10 11 35 56.7–1.3 28.5S–.10 62.74E–.07 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 03 21 28 26.5–50 31.57S 58.42E 0 3.6b,3.6 ¶621412261
IDC Error ellipse: s-maj=1294.0km s-min=61.3km az=75.0.
ISC X 23 14 17 52.7–.33 37.54S–.06 51.00E–.08 10 4.8b,3.9s 204 9-164
IDC X 23 14 17 49.4–.51 37.47S 51.93E 0 4.2b,4.2 ¶621237885
BJI X 23 14 17 52.7 37.40S 51.02E 10 5.4b,4.8b
NEIC X 23 14 17 52.8–1.6 37.52S–.09 50.9E–.10 10–1 4.9b,4.8b
GFZ X 23 14 17 54.0–.15 38S–3.0 51E–3.0 10 5.6b,5.0
GCMT X 23 14 17 56.2–.30 37.37S–.03 50.92E–.06 17–1 4.9W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110231417A. Moment Tensor Solution. s19,c21; s94,c118; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.72±.20 $M_{\theta\theta}$2.22±.14; $M_{\phi\phi}$0.50±.12; $M_{r\theta}$1.14±.34; $M_{\theta\phi}$0.43±.07; $M_{\phi r}$-0.04±.44; Best double couple: NP1:ϕ_s72.00000°,δ33.00000° ,λ-98.00000°. NP2:ϕ_s262.00000°,δ57.00000°,λ-84.00000°. Principal axes: T 2.5540,Plg12.0000°,Azm348.0000°; N 0.4210,Plg5.0000°,Azm79.0000° ; P -2.9760,Plg77.0000°,Azm190.0000° $M_0$2.76500×10^{16}
ISC XI 14 21 53 19.9–.97 37.5S–.20 50.8E–.20 16 3.9b 7 9-151
IDC XI 14 21 53 17.4–1.0 37.42S 50.80E 0 3.9b,3.9 ¶621468746
ISC Event type se.
IDC Error ellipse: s-maj=37.8km s-min=32.3km az=40.0.
ISC XI 23 20 48 28.6–.22 34.04S–.04 55.84E–.05 10 5.3b,4.7s 907 12-174
IDC XI 23 20 48 26.6–.36 34.05S 55.95E 0 5.1L,4.9b ¶621452727
BJI XI 23 20 48 26.0 34.00S 55.80E 10 5.6b,5.1s
MOS XI 23 20 48 27.1–.92 34.03S 55.93E 10 5.5b,4.6s
NEIC XI 23 20 48 28.8 33.91S 55.80E 12 5.3,4.6s
NEIC XI 23 20 48 28.4 34.01S 55.80E 10 5.3,4.6s
GFZ XI 23 20 48 28.9–.11 34S–2.0 56E–3.0 10 5.7b,5.6
NEIC XI 23 20 48 28.4–1.5 34.00S–.07 55.8E–.10 10–1 5.4b,5.3
NEIC XI 23 20 48 28.4 34.01S 55.80E 10 5.4b,5.3
GCMT XI 23 20 48 30.8–.10 34.00S–.01 55.78E–.01 12 5.3W,5.3
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.82 $M_{\theta\theta}$1.05 $M_{\phi\phi}$-0.23 $M_{r\theta}$-0.19 $M_{\theta\phi}$0.51 $M_{\phi r}$0.14 NP1:ϕ_s229.77000°,δ45.37000° ,λ-121.00000°. NP2:ϕ_s90.30000°,δ52.41000°,λ-62.45000°. Principal axes: T 1.2373,Plg4.0000°,Azm161.0000°; N -0.3346,Plg21.0000°,Azm253.0000° ; P -0.9027,Plg68.0000°,Azm62.0000° $M_0$1.11000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.76 $M_{\theta\theta}$1.03 $M_{\phi\phi}$-0.27 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.72 $M_{\phi r}$0.32 NP1:ϕ_s97.54000°,δ52.59000°,λ-41.59000°. NP2:ϕ_s215.88000°,δ58.18000° ,λ-134.36000°. Principal axes: T 1.3597,Plg3.0000°,Azm336.0000°; N -0.3746,Plg36.0000° ,Azm243.0000°; P -0.9851,Plg53.0000°,Azm70.0000° $M_0$1.22000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111232048A. Moment Tensor Solution. s93,c156; s140,c267;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.02 $M_{\theta\theta}$1.04±.01; $M_{\phi\phi}$-0.02±.02; $M_{r\theta}$0.35±.04; $M_{\theta\phi}$0.61±.01; $M_{\phi r}$-0.07±.04; Best double couple: NP1:ϕ_s51.00000° ,δ40.00000°,λ-112.00000°. NP2:ϕ_s259.00000°,δ54.00000°,λ-72.00000°. Principal axes: T 1.3520,Plg7.0000°,Azm336.0000°; N -0.2450,Plg14.0000°,Azm68.0000° ; P -1.1090,Plg74.0000°,Azm221.0000° $M_0$1.23100×10^{17}
IDC XI 15 20 55 34.2–3.3 37.65S 50.99E 0 3.7b,3.7 ¶621475648
IDC Error ellipse: s-maj=110.4km s-min=57.0km az=54.0.
IDC XI 22 09 18 13.4–1.9 29.00S 61.28E 0 3.8b,3.8 ¶621611899
IDC Error ellipse: s-maj=56.0km s-min=38.5km az=95.0.
IDC XI 15 06 07 08.7–2.2 37.18S 50.70E 0 3.7b,3.7 ¶621475600
IDC Error ellipse: s-maj=68.8km s-min=51.9km az=111.0.
ISC XI 15 06 13 01.6–.34 37.51S–.06 50.97E–.08 16 4.5b,4.0s 94 9-171
NEIC XI 15 06 12 59.9–.67 37.61S–.03 51.1E–.20 10–1 4.4b,4.0s ¶621403227
IDC XI 15 06 12 59.4–.52 37.56S 51.12E 0 4.2b,4.2
GFZ XI 15 06 13 00.9–.18 37S–3.0 51E–4.0 10 4.5b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 20 20 55 30.6–1.1 31.6S–.20 58.1E–.20 17 4.0b,3.4s 7 15-85
IDC XI 20 20 55 28.8–1.4 31.65S 58.44E 0 3.9b,3.9 ¶621590382
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=27.8km az=65.0.
IDC XI 26 08 17 35.4–12 34.16S 54.21E 0 3.6b,3.6 ¶621621990
IDC Error ellipse: s-maj=663.7km s-min=63.9km az=40.0.
ISC XII 04 14 22 18.0–.55 35.71S–.07 53.5E–.10 10 4.3b 31 11-148
NEIC XII 04 14 22 17.7–2.2 35.68S–.09 53.47E–.09 10–1 4.5b ¶621630672
IDC XII 04 14 22 17.4–.84 35.78S 53.55E 0 4.9L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=12.0km az=357.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=21.8km az=31.0.
ISC XII 09 06 59 10.7–1.6 37.9S–.20 50.7E–.40 10 3.9b 6 8-79
IDC XII 09 06 59 09.2–1.8 37.86S 50.69E 0 3.8b,3.8 ¶621636559
ISC Event type se.

IDC Error ellipse: s-maj=55.1km s-min=27.3km az=88.0.
ISC XII 05 14 50 19.3–.44 36.43S–.07 52.44E–.10 10 4.7b,3.9s 54 10-159
IDC XII 05 14 50 17.9–.57 36.42S 52.51E 0 4.4b,4.3 **¶621631261**
NEIC XII 05 14 50 19.5–1.3 36.47S–.08 52.38E–.08 10–1 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 17 11 11 44.4–2.0 30.39S 60.05E 0 3.7b,3.7
¶621656931
IDC Error ellipse: s-maj=105.6km s-min=41.4km az=99.0.
IDC XII 18 22 57 49.7–5.1 37.90S 50.38E 0 3.5b,3.5
¶621657041
IDC Error ellipse: s-maj=223.3km s-min=48.5km az=47.0.

(429) Mid-Indian Ridge.

ISC VII 03 02 27 43.8–.70 37.3S–.10 78.1E–.10 13 4.6b,3.7s 25 21-146
IDC VII 03 02 27 40.9–1.4 37.17S 78.03E 0 3.9b,3.9 **¶620927785**
NEIC VII 03 02 27 43.7–1.8 37.3S–.10 78.2E–.20 10–1 4.7b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 03 13 58 05.0–19 23.68S 69.76E 0 3.8b,3.8
¶620927808
IDC Error ellipse: s-maj=647.0km s-min=34.4km az=51.0.
IDC VII 04 00 25 34.4–1.4 34.57S 78.75E 0 3.9b,3.9
¶620927842
IDC Error ellipse: s-maj=45.8km s-min=32.0km az=64.0.
ISC VII 04 00 32 36.1–.90 34.3S–.20 78.9E–.20 10 4.2b 17 24-88
IDC VII 04 00 32 34.3–1.4 34.37S 78.65E 0 3.9b,3.9 **¶620927843**
NEIC VII 04 00 32 36.0–1.2 34.4S–.10 78.9E–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 04 00 39 37.3–6.7 34.94S 78.25E 0 3.9b,3.9
¶620927844
IDC Error ellipse: s-maj=246.3km s-min=33.5km az=31.0.
IDC VII 04 00 47 12.9–1.8 34.93S 78.11E 0 3.7b,3.7
¶620927845
IDC Error ellipse: s-maj=52.1km s-min=36.3km az=118.0.
IDC VII 04 02 57 14.2–1.8 33.92S 78.38E 0 3.8b,3.8
¶620927852
IDC Error ellipse: s-maj=50.2km s-min=34.7km az=119.0.
IDC VII 04 03 33 35.4–2.2 34.24S 78.87E 0 3.9b,3.9
¶620927855
IDC Error ellipse: s-maj=84.6km s-min=32.0km az=22.0.
IDC VII 04 06 20 12.3–1.7 34.77S 78.49E 0 3.6b,3.6
¶620927863
IDC Error ellipse: s-maj=53.8km s-min=34.5km az=61.0.
IDC VII 06 10 15 21.8–16 25.75S 71.14E 0 3.5b,3.5
¶620928024
IDC Error ellipse: s-maj=543.5km s-min=36.8km az=49.0.
IDC VII 06 21 47 34.7–3.8 19.88S 67.33E 0 3.7b,3.7
¶620928063
IDC Error ellipse: s-maj=108.5km s-min=37.7km az=54.0.
ISC VII 18 15 35 25.3–.82 27.8S–.10 75.3E–.20 10 4.2b 32 43-145
IDC VII 18 15 35 22.2–3.3 28.07S 74.93E 0 3.8b,3.8 **¶620928827**
NEIC VII 18 15 35 25.5–1.1 27.8S–.10 75.2E–.10 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 18 15 35 48.2–.82 28.9S–.10 73.9E–.20 10 4.2b 28 21-146
IDC VII 18 15 35 47.1–3.2 28.87S 73.84E 0 4.0b,4.0 **¶620928830**
NEIC VII 18 15 35 48.7–2.3 28.87S–.02 73.8E–.20 10–1 4.7b,4.0
GCMT VII 18 15 35 50.1–.40 28.61S–.03 74.34E–.04 24–0 5.0W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107181536A. Moment Tensor Solution. s27,c28; s85,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.84±.22 $M_{\theta\theta}$2.09±.13; $M_{\phi\phi}$1.75±.13; $M_{r\theta}$-0.19±.19; $M_{\theta\phi}$-0.81±.07; $M_{\theta r}$-0.34±.19; Best double couple: NP1:ϕ_s125.00000°,δ45.00000°,λ-96.00000°. NP2:ϕ_s314.00000°,δ46.00000°,λ-84.00000°. Principal axes: T 2.7430,Plg1.0000°,Azm39.0000°; N 1.1270,Plg4.0000°,Azm129.0000°; P -3.8700,Plg86.0000°,Azm302.0000° $M_0$3.30700×10^{16}
IDC VII 19 11 13 15.2–19 24.12S 69.30E 0 3.5b,3.5
¶620928870
IDC Error ellipse: s-maj=624.4km s-min=43.1km az=52.0.
ISC VII 22 14 53 22.0–1.4 20.3S–.20 67.9E–.30 15 4.0b 10 13-76
IDC VII 22 14 53 19.4–1.4 20.26S 67.87E 0 3.8b,3.8 **¶620967834**
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=24.0km az=69.0.
ISC VII 30 16 27 29.7–.67 36.58S–.10 77.0E–.10 10 4.0b 17 14-144
NEIC VII 30 16 27 30.3–.63 36.6S–.10 77.2E–.10 10–1 4.3b **¶620986077**
IDC VII 30 16 27 31.3–29 36.01S 77.40E 0 4.1b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=15.7km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=910.2km s-min=85.3km az=158.0.
NEIC VII 23 21 17 20.2–1.8 39.76S–.05 80.4E–.20 10–1 4.9b
¶626332662
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 23 21 17 41.0–3.0 28.57S 77.08E 0 3.9b,3.9
¶622450757
IDC Error ellipse: s-maj=73.6km s-min=40.5km az=98.0.
ISC VIII 15 19 21 48.7–.64 20.4S–.10 68.1E–.10 15 4.2b,3.7s 31 4-168
IDC VIII 15 19 21 47.3–.72 20.26S 68.21E 0 3.9b,3.9 **¶621023654**
NEIC VIII 15 19 21 48.4–2.3 20.5S–.10 68.0E–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 01 13 09 47.3–13 35.63S 77.12E 0 4.1s,3.8b
¶620986214
IDC Error ellipse: s-maj=432.9km s-min=49.6km az=37.0.
ISC VIII 11 03 44 50.9–.60 26.3S–.10 71.3E–.10 10 4.1b,3.5s 26 15-169
IDC VIII 11 03 44 49.0–.95 26.35S 71.31E 0 3.8b,3.8 **¶621009313**
NEIC VIII 11 03 44 51.4–1.3 26.3S–.10 71.40E–.06 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 31 20 53 32.6–7.4 27.91S 73.50E 0 3.9b,3.9
¶620986150
IDC Error ellipse: s-maj=207.6km s-min=30.8km az=144.0.
ISC VIII 04 07 17 19.2–.34 16.30S–.07 67.54E–.07 10 4.6b,4.6s 155 10-165
GFZ VIII 04 07 17 15.7 16.47S 67.74E 12 5.3W,4.6s **¶620966431**
IDC VIII 04 07 17 16.4–.47 16.15S 67.65E 0 4.5s,4.2b
NEIC VIII 04 07 17 20.7–2.7 16.3S–.10 67.6E–.10 10–1 5.4,5.4
NEIC VIII 04 07 17 20.7 16.33S 67.61E 10 5.4,5.4
GCMT VIII 04 07 17 21.0–.10 16.06S–.01 67.22E–.01 12 5.4W,5.4
BJI VIII 04 07 17 22.2 15.68S 67.94E 9 5.0s,5.0b
GFZ VIII 04 07 17 23.2–.29 16S–6.0 68E–5.0 10 4.8b,4.8
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12 $M_{\theta\theta}$-1.00 $M_{\phi\phi}$1.12 $M_{r\theta}$0.04 $M_{\theta\phi}$0.37 $M_{\theta r}$-0.32 NP1:ϕ_s144.18273°,δ85.34510°,λ166.57324°. NP2:ϕ_s235.29262°,δ76.61835°,λ4.78510°. Principal axes: T 1.2505,Plg12.7698°,Azm99.0303°; N -0.1787,Plg75.8033°,Azm305.4076°; P -1.0718,Plg6.1001°,Azm190.4182° $M_0$1.17142×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.44 $M_{\theta\theta}$-1.68 $M_{\phi\phi}$1.24 $M_{r\theta}$-0.14 $M_{\theta\phi}$0.94 $M_{\theta r}$-0.49 NP1:ϕ_s243.38000°,δ74.76000°,λ15.59000°. NP2:ϕ_s149.18000°,δ74.97000°,λ164.21000°. Principal axes: T 1.7192,Plg22.0000°,Azm106.0000°; N 0.2389,Plg68.0000°,Azm287.0000°; P -1.9581,Plg0.0000°,Azm196.0000° $M_0$1.85000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108040717A. Moment Tensor Solution. s103,c156; s150,c291;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$-1.19±.02; $M_{\phi\phi}$1.36±.02; $M_{r\theta}$-0.12±.04; $M_{\theta\phi}$0.50±.01; $M_{\theta r}$-0.21±.04; Best double couple: NP1:ϕ_s145.00000°,δ82.00000°,λ177.00000°. NP2:ϕ_s236.00000°,δ87.00000°,λ8.00000°. Principal axes: T 1.4860,Plg8.0000°,Azm101.0000°; N -0.1950,Plg81.0000°,Azm253.0000°; P -1.2900,Plg4.0000°,Azm10.0000° $M_0$1.38800×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 05 09 04 25.7–.97 20.2S–.10 67.2E–.30 15 4.2b,3.6s 10 13-96
IDC VIII 05 09 04 23.2–.97 20.14S 67.19E 0 4.0b,4.0 **¶620998799**
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=21.3km az=88.0.
ISC VIII 16 08 47 53.6–1.1 26.9S–.20 71.4E–.30 10 4.5s,3.9b 9 19-96
IDC VIII 16 08 47 51.9–1.3 26.84S 71.31E 0 4.2s,3.8b **¶621030151**
ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=26.4km az=66.0.
ISC VIII 25 14 51 48.5–.44 28.20S–.08 74.2E–.10 12 4.6b,3.8s 75 21-146
IDC VIII 25 14 51 47.3–.60 28.14S 74.29E 0 4.4b,4.4 **¶621007309**
NEIC VIII 25 14 51 48.4–1.1 28.24S–.08 74.1E–.10 10–1 4.7b,4.4
GCMT VIII 25 14 51 49.6–.40 28.20S–.04 74.11E–.04 20–1 4.8W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108251451A. Moment Tensor Solution. s14,c15; s73,c90; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.86±.17 $M_{\theta\theta}$0.82±.10; $M_{\phi\phi}$1.04±.10; $M_{r\theta}$-0.29±.19; $M_{\theta\phi}$-0.60±.05; $M_{\theta r}$0.91±.19; Best double couple: NP1:ϕ_s314.00000°,δ32.00000°,λ-104.00000°. NP2:ϕ_s150.00000°,δ59.00000°,λ-82.00000°. Principal axes: T 1.7570,Plg14.0000°,Azm234.0000°; N 0.3690,Plg7.0000°,Azm326.0000°; P -2.1270,Plg74.0000°,Azm82.0000° $M_0$1.94200×10^{16}
ISC VIII 25 12 50 16.0–.59 28.3S–.10 74.2E–.10 10 4.6b,3.5s 30 21-95
IDC VIII 25 12 50 14.8–1.0 28.26S 74.27E 0 4.1b,4.1 **¶621058938**
NEIC VIII 25 12 50 16.2–.99 28.3S–.10 74.12E–.05 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 02 20 43 39.9–.38 9.19S–.03 67.23E–.03 15–2 5.5b,5.5s 1675 5-158
MOS X 02 20 43 36.4–.96 9.18S 67.20E 10 5.5b,5.3s **¶621117003**
IDC X 02 20 43 37.0–.35 9.15S 67.21E 0 5.2s,5.1b
BJI X 02 20 43 38.0 9.49S 66.76E 42 5.8b,5.7s
NEIC X 02 20 43 39.3 9.17S 67.22E 10 5.8b,5.7s
ISC-P X 02 20 43 39 9.18S 67.26E 16–4 6.4,5.7s
GFZ X 02 20 43 39.7 9.21S 67.17E 12 6.0W,5.7s
IPGP X 02 20 43 39.0 9.14S 67.18E 10 6.1W,5.7s
NEIC X 02 20 43 39.5–1.6 9.18S–.08 67.26E–.07 10–1 5.9,5.6b
NEIC X 02 20 43 39.3 9.17S 67.22E 10 5.9,5.6b
GFZ X 02 20 43 39.6–.12 9S–3.0 67E–2.0 10 5.9b,5.7
PTWC X 02 20 43 40 9.10S 67.20E 10 6.2,5.7
GCMT X 02 20 43 42.6–.10 9.21S 67.05E 20–0 6.0W,5.7
NEIC X 02 20 43 44 8.97S 67.12E 14 6.0,5.7
ISC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=4.1km az=104.6.
IDC Error ellipse: s-maj=11.8km s-min=10.1km az=81.0.
NEIC Event type se.
ISC-P Moment Tensor Solution. s40 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08±.10 $M_{\theta\theta}$-0.40±.12; $M_{\phi\phi}$0.49±.14; $M_{r\theta}$-0.08±.26; $M_{\theta\phi}$0.05±.12; $M_{\theta r}$0.54±.11; NP1:ϕ_s69.90000°,δ83.20000°,λ354.20000°. NP2:ϕ_s160.50000°,δ84.20000°,λ-173.20000°. $M_0$4.79000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.03 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$1.17 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.12 $M_{\theta r}$0.01 NP1:ϕ_s137.85117°,δ89.48008°,λ-179.17417°. NP2:ϕ_s47.84367°,δ89.17421°,λ-0.51997°. Principal axes: T 1.1793,Plg0.2163°,Azm272.8456°; N -0.0334,Plg89.0241°,Azm170.0423°; P -1.1459,Plg0.9516°,Azm2.8492° $M_0$1.16295×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s141.00000°,δ78.00000°,λ174.00000°. NP2:ϕ_s232.00000°,δ85.00000°,λ12.00000°.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.3km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.33 $M_{\theta\theta}$-8.56 $M_{\phi\phi}$8.88 $M_{r\theta}$-0.17 $M_{\theta\phi}$2.61 $M_{\theta r}$0.49 NP1:ϕ_s53.36000°,δ86.92000°,λ0.82000°. NP2:ϕ_s323.32000°,δ89.18000°,λ176.92000°. Principal axes: T 9.2888,Plg3.0000°,Azm278.0000°; N -0.3420,Plg87.0000°,Azm128.0000°; P -8.9467,Plg2.0000°,Azm8.0000° $M_0$9.12000×10^{17}
NEIC Event type se.
GFZ Error ellipse: s-maj=5.5km s-min=3.9km az=10.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110022043A. Moment Tensor Solution. s147,c303; s164,c530;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09±.01 $M_{\theta\theta}$-1.17±.01; $M_{\phi\phi}$1.27±.01; $M_{r\theta}$-0.20±.01; $M_{\theta\phi}$0.23±.01; $M_{\theta r}$0.18±.01; Best double couple: NP1:ϕ_s50.00000°,δ78.00000°,λ-3.00000°. NP2:ϕ_s141.00000°,δ87.00000°,λ-168.00000°. Principal axes: T 1.3110,Plg7.0000°,Azm275.0000°; N -0.0710,Plg77.0000°,Azm153.0000°; P -1.2330,Plg11.0000°,Azm6.0000° $M_0$1.27200×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.02 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$1.10 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.14 $M_{\theta r}$0.19 NP1:ϕ_s41.72000°,δ80.22000°,λ4.07000°. NP2:ϕ_s311.03000°,δ85.99000°,λ170.20000°. Principal axes: T 1.1412,Plg10.0000°,Azm266.0000°; N -0.0502,Plg79.0000°,Azm109.0000°; P -1.0911,Plg4.0000°,Azm357.0000° $M_0$1.12000×10^{18}
ISC VIII 25 13 18 38.1–.55 28.1S–.10 74.34E–.10 10 4.4b,3.6s 49 13-97
IDC VIII 25 13 18 37.0–.79 28.13S 74.38E 0 4.1b,4.1 **¶621058940**
NEIC VIII 25 13 18 38.3–1.2 28.1S–.10 74.3E–.10 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 03 04 48.3–.55 36.86S–.09 78.4E–.20 15 4.5b,4.4s 41 22-153
IDC IX 17 03 04 45.7–.68 36.84S 78.56E 0 4.3s,4.1b **¶621112925**
NEIC IX 17 03 04 48.0–2.1 36.92S–.10 78.6E–.20 10–1 4.7b,4.1b
GCMT IX 17 03 04 52.8–.20 36.77S–.01 78.71E–.01 15–1 5.1W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109170304A. Moment Tensor Solution. s44,c51; s123,c189; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.63±.12 $M_{\theta\theta}$-4.32±.11; $M_{\phi\phi}$4.95±.14; $M_{r\theta}$0.57±.35; $M_{\theta\phi}$0.37±.10; $M_{\theta r}$-2.49±.42; Best double couple: NP1:ϕ_s230.00000°,δ67.00000°,λ7.00000°. NP2:ϕ_s137.00000°,δ84.00000°,λ157.00000°. Principal axes: T 5.9020,Plg21.0000°,Azm91.0000°; N -1.4240,Plg66.0000°,Azm303.0000°; P -4.4760,Plg12.0000°,Azm185.0000° $M_0$5.18900×10^{16}
ISC IX 17 20 05 15.9–.49 18.17S–.10 69.8E–.10 10 4.5b,3.6s 83 11-146
IDC IX 17 20 05 15.2–.61 18.17S 69.87E 0 4.2b,4.2 **¶621112983**
NEIC IX 17 20 05 16.1–.99 18.2S–.10 69.8E–.10 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 17 40 53.0–.66 37.6S–.10 78.0E–.10 13 4.4b,3.8s 32 0-99
IDC X 04 17 40 50.9–.85 37.48S 77.95E 0 4.1b,4.1 **¶621203131**
NEIC X 04 17 40 53.1–.93 37.6S–.10 78.0E–.10 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 03 00 22 41.7–.67 9.2S–.10 67.1E–.10 10 4.2b,3.8s 31 6-146
IDC X 03 00 22 40.2–.79 9.16S 67.03E 0 4.0b,4.0 **¶621186098**
NEIC X 03 00 22 41.8–1.3 9.2S–.10 67.2E–.10 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 05 20 52 54.1–1.7 15.0S–.30 66.7E–.30 19 3.9b,3.3s 8 9-152

IDC X 05 20 52 51.0–1.7 14.95S 66.69E 0 3.7b,3.7 ¶621203194
ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=32.3km az=46.0.
ISC X 17 07 59 52.2–.51 13.3S–.10 66.4E–.10 10 4.3b,3.5s 44 8-162
IDC X 17 07 59 51.0–.68 13.24S 66.46E 0 4.1L,4.0b ¶621242878
NEIC X 17 07 59 52.3–.78 13.2S–.10 66.5E–.10 10–1 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 26 05 57 18.1–.60 15.4S–.10 67.0E–.10 14 4.7s,4.2b 19 9-164
IDC X 26 05 57 15.7–.58 15.31S 67.05E 0 4.6s,4.0b ¶621366459
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=18.1km az=63.0.
IDC X 19 23 08 31.4–1.4 15.67S 66.43E 0 3.7b,3.7 ¶621244103
IDC Error ellipse: s-maj=58.0km s-min=33.4km az=97.0.
ISC X 19 20 18 18.0–.60 15.9S–.10 67.2E–.10 10 4.2b,3.9s 29 10-153
IDC X 19 20 18 16.8–.80 15.85S 67.26E 0 3.9b,3.9 ¶621244097
NEIC X 19 20 18 18.4–1.2 15.9S–.10 67.18E–.08 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 25 17 44 22.8–.57 8.95S–.10 67.24E–.07 10 4.4b,3.9s 129 5-158
IDC X 25 17 44 20.7–1.1 8.98S 67.19E 0 4.1b,4.1 ¶621239220
GFZ X 25 17 44 23.5–.24 9S–5.0 67E–3.0 10 5.7b,5.2
NEIC X 25 17 44 24.0–1.3 8.7S–.10 67.1E–.10 10–1 4.6b,5.2
GCMT X 25 17 44 27.0–.30 9.05S–.02 67.30E–.01 20–1 4.9W,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110251744A. Moment Tensor Solution. s27,c30; s98,c140; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.26±.14 $M_{\theta\theta}$-3.02±.11; $M_{\phi\phi}$2.77±.11; $M_{r\theta}$-1.00±.23; $M_{\theta\phi}$0.49±.09; $M_{\phi r}$0.75±.23; Best double couple: NP1:ϕ_s49.00000°,δ68.00000°,λ-1.00000°. NP2:ϕ_s140.00000°,δ89.00000°,λ-158.00000°. Principal axes: T 2.9860,Plg15.0000°,Azm272.0000°; N 0.3990,Plg68.0000°,Azm143.0000° ; P -3.3770,Plg17.0000°,Azm7.0000° $M_0$3.18200×10^{16}
ISC X 30 20 31 29.0–.36 27.77S–.07 73.87E–.07 10 4.8b,4.2s 207 20-165
IDC X 30 20 31 27.2–.54 27.74S 73.85E 0 4.1b,4.1 ¶621244522
NEIC X 30 20 31 28.8–1.3 27.69S–.09 73.9E–.10 10–1 4.9b,4.1
GFZ X 30 20 31 30.3–.28 28S–6.0 74E–7.0 10 5.8b,5.3
GCMT X 30 20 31 30.7–.20 27.97S–.01 74.09E–.02 14–1 5.0W,5.3
GFZ X 30 20 31 30.3 27.75S 73.86E 15 4.9W,5.3
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=14.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=11.6km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110302031A. Moment Tensor Solution. s34,c40; s108,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.72±.17 $M_{\theta\theta}$2.40±.11; $M_{\phi\phi}$0.32±.10; $M_{r\theta}$-1.61±.22; $M_{\theta\phi}$-1.58±.06; $M_{\phi r}$-0.40±.22; Best double couple: NP1:ϕ_s319.00000°,δ38.00000°,λ-56.00000°. NP2:ϕ_s98.00000°,δ60.00000°,λ-113.00000°. Principal axes: T 3.5070,Plg12.0000°,Azm205.0000°; N -0.1180,Plg20.0000°,Azm111.0000° ; P -3.3840,Plg67.0000°,Azm324.0000° $M_0$3.44500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.73 $M_{\theta\theta}$2.31 $M_{\phi\phi}$0.42 $M_{r\theta}$0.03 $M_{\theta\phi}$-1.05 $M_{\phi r}$0.04 NP1: ϕ_s115.13088°,δ44.92750°,λ-88.47713°. NP2:ϕ_s292.98044°,δ45.09269°,λ-91.51849°. Principal axes: T 2.7795,Plg0.0826°,Azm24.0541°; N -0.0466,Plg1.0754°,Azm294.0526° ; P -2.7329,Plg88.9214°,Azm118.4463° $M_0$2.75652×10^{16}
ISC X 26 07 59 07.7–.54 15.4S–.10 67.1E–.10 14 4.2b,3.9s 39 9-164
IDC X 26 07 59 05.5–.66 15.31S 67.17E 0 4.0b,4.0 ¶621239844
NEIC X 26 07 59 08.0–2.2 15.44S–.09 67.1E–.10 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 02 20 55 07.4–.43 12.09S–.04 65.46E–.04 16–2 5.1b,4.8s 924 8-160
BJI XI 02 20 55 04.6 12.02S 65.39E 9 5.2b,5.1s ¶621255763
MOS XI 02 20 55 04.4–1.2 12.09S 65.54E 10 5.3b,4.6s
IDC XI 02 20 55 05.1–.38 12.07S 65.63E 0 4.8L,4.7s
NEIC XI 02 20 55 06.2 12.13S 65.59E 10 4.8L,4.7s
NEIC XI 02 20 55 06.1–2.0 12.14S–.07 65.56E–.08 10–1 5.4,5.2b
GFZ XI 02 20 55 07.2–.26 12S–5.0 66E–4.0 10 5.6b,5.2
GFZ XI 02 20 55 07.5 12.04S 65.56E 12 5.3W,5.2
GCMT XI 02 20 55 09.5–.10 12.01S–.01 65.58E–.01 12 5.4W,5.2
BGR XI 02 20 55 14.7 11.26S 64.27E 10 5.2b,4.3s
ISC Event type ke.
MOS Error ellipse: s-maj=7.4km s-min=4.2km az=99.1.
IDC Error ellipse: s-maj=13.5km s-min=11.9km az=71.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=12.5km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$1.40 $M_{r\theta}$0.02 $M_{\theta\phi}$0.30 $M_{\phi r}$-0.13 NP1:ϕ_s231.45000°,δ85.37000°,λ2.12000°. NP2:ϕ_s141.28000°,δ87.88000°,λ175.37000°. Principal axes: T 1.4406,Plg5.0000°,Azm96.0000°; N -0.1194,Plg85.0000° ,Azm297.0000°; P -1.3212,Plg2.0000°,Azm186.0000° $M_0$1.38000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.21 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$1.22 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.45 $M_{\phi r}$0.16 NP1: ϕ_s146.22055°,δ88.03904°,λ-170.88515°. NP2:ϕ_s55.90600°,δ80.89053°,λ-1.98602°. Principal axes: T 1.3218,Plg5.0344°,Azm280.7183°; N -0.2088,Plg80.6783°,Azm158.2602° ; P -1.1130,Plg7.8249°,Azm11.4120° $M_0$1.23074×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111022055A. Moment Tensor Solution. s121,c217; s151,c289;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.02 $M_{\theta\theta}$-1.51±.01; $M_{\phi\phi}$1.68±.02; $M_{r\theta}$0.08±.04; $M_{\theta\phi}$0.42±.01; $M_{\phi r}$0.63±.04; Best double couple: NP1:ϕ_s321.00000°,δ78.00000°,λ168.00000°. NP2:ϕ_s54.00000°,δ78.00000°,λ12.00000°. Principal axes: T 1.9260,Plg17.0000°,Azm277.0000°; N -0.3540,Plg73.0000°,Azm97.0000° ; P -1.5650,Plg0.0000°,Azm187.0000° $M_0$1.74600×10^{17}
BGR Event type ke.
ISC X 31 12 22 32.6–1.2 35.4S–.20 78.8E–.30 10 3.8b,3.6s 6 23-89
IDC X 31 12 22 30.9–1.3 35.40S 78.75E 0 3.8b,3.8 ¶621395247
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=32.4km az=83.0.
ISC XI 04 01 19 35.3–.55 16.9S–.10 67.05E–.10 13 4.2b,3.4s 29 11-152
IDC XI 04 01 19 34.0–1.1 16.86S 66.95E 0 3.9b,3.9 ¶621412268
NEIC XI 04 01 19 35.6–1.8 16.9S–.10 67.1E–.10 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 09 17 39 35.4–.58 29.9S–.10 75.4E–.10 10 4.2b,3.7s 39 22-85
IDC XI 09 17 39 34.0–.73 29.87S 75.29E 0 3.9b,3.9 ¶621423163
NEIC XI 09 17 39 35.8–1.5 29.9S–.10 75.4E–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 18 09 56 08.1–1.1 36.9S–.20 78.4E–.20 10 4.3s,4.3b 6 22-99
IDC XI 18 09 56 06.4–1.1 36.88S 78.33E 0 4.2s,4.1b ¶621532475
GCMT XI 18 09 56 08.0 36.75S 78.25E 10 5.0s,4.1b
GCMT XI 18 09 56 11.1–.20 37.07S–.02 78.25E–.03 12 4.9W,4.1b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111180956A. Moment Tensor Solution. s29,c34; s109,c148;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.45±.07 $M_{\theta\theta}$1.07±.07; $M_{\phi\phi}$1.37±.07; $M_{r\theta}$-0.08±.27; $M_{\theta\phi}$-1.31±.05; $M_{\phi r}$0.11±.25; Best double couple: NP1:ϕ_s318.00000°,δ43.00000°,λ-90.00000°. NP2:ϕ_s139.00000° ,δ47.00000°,λ-90.00000°. Principal axes: T 2.5420,Plg2.0000°,Azm228.0000° ; N -0.0990,Plg0.0000°,Azm318.0000°; P -2.4540,Plg88.0000°,Azm59.0000° $M_0$2.49800×10^{16}
ISC XI 09 17 52 06.1–.60 30.0S–.10 75.3E–.10 10 4.2b,3.6s 33 15-89
IDC XI 09 17 52 04.9–.81 29.95S 75.19E 0 3.9b,3.9 ¶621423164
NEIC XI 09 17 52 06.5–.80 29.97S–.04 75.2E–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 14 07 26 58.0–.57 24.68S–.09 69.8E–.10 10 4.3b,3.6s 31 17-82
IDC XI 14 07 26 57.7–1.1 24.65S 70.03E 0 3.9b,3.9 ¶621468656
NEIC XI 14 07 26 58.4–.66 24.7S–.10 69.8E–.10 10–1 4.7b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 15 06 57 10.1–.65 40.2S–.10 77.9E–.10 10 4.1b 20 2-144
IDC XI 15 06 57 08.8–3.7 40.20S 77.86E 0 3.8b,3.8 ¶621475607
NEIC XI 15 06 57 10.5–1.7 40.14S–.05 77.9E–.20 10–1 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 18 12 07 06.3–1.4 37.07S 78.17E 0 4.0b,4.0
GCMT XI 18 12 07 12.0 36.75S 78.25E 10 4.9s,4.0 ¶621532477
GCMT XI 18 12 07 13.4–.30 37.25S–.03 78.41E–.03 13–1 4.8W,4.0
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111181207A. Moment Tensor Solution. s16,c17; s100,c131;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.87±.14 $M_{\theta\theta}$0.92±.09; $M_{\phi\phi}$0.95±.09; $M_{r\theta}$-1.25±.27; $M_{\theta\phi}$-0.90±.05; $M_{\phi r}$-0.52±.23; Best double couple: NP1:ϕ_s336.00000°,δ41.00000°,λ-51.00000°. NP2:ϕ_s109.00000° ,δ59.00000°,λ-119.00000°. Principal axes: T 1.9190,Plg10.0000°,Azm219.0000° ; N 0.6230,Plg25.0000°,Azm125.0000°; P -2.5420,Plg63.0000°,Azm329.0000° $M_0$2.23100×10^{16}
IDC XII 12 18 38 08.8–18 28.33S 74.41E 0 3.5b,3.5 ¶621650529
IDC Error ellipse: s-maj=599.1km s-min=46.7km az=45.0.
ISC XI 21 17 45 52.1–.80 9.0S–.10 67.5E–.20 13 3.8b,3.4s 22 21-158
IDC XI 21 17 45 50.0–.81 8.91S 67.65E 0 3.7b,3.7 ¶621608923
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=18.7km az=67.0.
ISC XI 22 10 30 58.7–.81 9.0S–.10 67.49E–.07 13 4.2b,3.8s 50 5-158
IDC XI 22 10 30 56.2–1.3 9.15S 67.07E 0 4.0b,4.0 ¶621611906
NEIC XI 22 10 30 59.3–1.8 8.9S–.10 67.53E–.09 10–1 4.5b,4.0
GCMT XI 22 10 31 01.4–.20 9.08S–.01 67.29E–.01 22–1 5.0W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111221031A. Moment Tensor Solution. s45,c53; s112,c162; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.31±.13 $M_{\theta\theta}$-3.61±.11; $M_{\phi\phi}$3.30±.11; $M_{r\theta}$-0.25±.18; $M_{\theta\phi}$0.56±.10; $M_{\phi r}$0.58±.19; Best double couple: NP1:ϕ_s50.00000°,δ80.00000° ,λ4.00000°. NP2:ϕ_s319.00000°,δ86.00000°,λ170.00000°. Principal axes: T 3.4430,Plg10.0000°,Azm274.0000°; N 0.2340,Plg79.0000°,Azm117.0000° ; P -3.6760,Plg4.0000°,Azm5.0000° $M_0$3.56000×10^{16}
ISC XII 07 02 44 04.0–.26 38.72S–.05 78.22E–.05 10 5.0b,5.0s 446 1-175
MOS XII 07 02 44 01.5–.91 38.69S 78.33E 10 5.2b,5.0s ¶621615806
BJI XII 07 02 44 02.0 38.70S 78.20E 10 5.5b,5.2s
IDC XII 07 02 44 02.1–.45 38.69S 78.51E 0 4.8s,4.7b
NEIC XII 07 02 44 04.5–2.0 38.62S–.07 78.2E–.10 10–1 5.5,5.3b
NEIC XII 07 02 44 04.9 38.55S 78.23E 10 5.5,5.3b
NEIC XII 07 02 44 04.9 38.55S 78.23E 10 5.5,5.3b
NEIC XII 07 02 44 05.5 38.45S 78.23E 12 5.4,5.3b
GFZ XII 07 02 44 05.3–.19 39S–4.0 78E–3.0 10 5.6b,5.1L
GFZ XII 07 02 44 05.2 38.67S 78.30E 10 5.4W,5.1L
GCMT XII 07 02 44 07.1–.10 38.78S–.01 78.42E–.01 12 5.4W,5.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.46 $M_{\theta\theta}$-1.64 $M_{\phi\phi}$1.18 $M_{r\theta}$-0.48 $M_{\theta\phi}$1.16 $M_{\phi r}$-0.05 NP1:ϕ_s154.98000°,δ75.60000°,λ179.18000°. NP2:ϕ_s245.18000°,δ89.20000° ,λ14.40000°. Principal axes: T 1.6303,Plg11.0000°,Azm111.0000°; N 0.4938,Plg76.0000° ,Azm248.0000°; P -2.1241,Plg10.0000°,Azm19.0000° $M_0$1.93000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$1.36 $M_{r\theta}$0.14 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.61 NP1:ϕ_s237.98000°,δ62.13000° ,λ-6.08000°. NP2:ϕ_s330.83000°,δ84.63000°,λ-151.99000°. Principal axes: T 1.6364,Plg15.0000°,Azm101.0000°; N -0.4677,Plg62.0000°,Azm341.0000° ; P -1.1687,Plg23.0000°,Azm198.0000° $M_0$1.46000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$0.98 $M_{r\theta}$-0.23 $M_{\theta\phi}$0.98 $M_{\phi r}$0.41 NP1: ϕ_s174.24683°,δ65.52766°,λ-141.28574°. NP2:ϕ_s65.87812°,δ55.30216°,λ-30.25552°. Principal axes: T 1.5450,Plg6.2921°,Azm297.9632°; N -0.3792,Plg45.2492°,Azm201.5772° ; P -1.1657,Plg44.0624°,Azm34.0889° $M_0$1.39457×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112070244A. Moment Tensor Solution. s114,c189; s143,c288;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.46±.02 $M_{\theta\theta}$-1.12±.02; $M_{\phi\phi}$1.58±.02; $M_{r\theta}$0.18±.04; $M_{\theta\phi}$0.80±.01; $M_{\phi r}$0.37±.04; Best double couple: NP1:ϕ_s330.00000° ,δ80.00000°,λ176.00000°. NP2:ϕ_s60.00000°,δ87.00000°,λ11.00000°. Principal axes: T 1.8720,Plg10.0000°,Azm286.0000°; N -0.5290,Plg79.0000°,Azm79.0000° ; P -1.3470,Plg5.0000°,Azm195.0000° $M_0$1.61000×10^{17}
ISC XII 07 03 14 37.4–.34 38.63S–.06 78.28E–.07 10 4.9b,4.6s 189 1-173
IDC XII 07 03 14 34.7–.58 38.58S 78.34E 0 4.6s,4.3b ¶621615807
NEIC XII 07 03 14 37.4–1.6 38.59S–.07 78.2E–.10 10–1 5.2,5.0b
GFZ XII 07 03 14 38.0–.15 39S–3.0 78E–3.0 10 6.2,6.2
GCMT XII 07 03 14 41.0–.10 38.75S–.01 78.44E–.01 12 5.2W,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112070314A. Moment Tensor Solution. s70,c94; s133,c232; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.79±.13 $M_{\theta\theta}$-6.31±.11; $M_{\phi\phi}$7.10±.11; $M_{r\theta}$0.17±.33; $M_{\theta\phi}$1.54±.11; $M_{\phi r}$-0.34±.31; Best double couple: NP1:ϕ_s231.00000°,δ87.00000° ,λ0.00000°. NP2:ϕ_s141.00000°,δ90.00000°,λ177.00000°. Principal axes: T 7.2870,Plg2.0000°,Azm96.0000°; N -0.7920,Plg87.0000°,Azm320.0000° ; P -6.4920,Plg2.0000°,Azm187.0000° $M_0$6.89000×10^{16}
ISC XI 21 12 32 41.0–.93 22.9S–.20 69.1E–.20 14 3.9b,3.1s 7 15-78
IDC XI 21 12 32 38.7–1.0 22.88S 69.01E 0 3.8b,3.8 ¶621608919
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=26.6km az=65.0.
IDC XI 23 11 01 17.9–2.5 28.42S 74.51E 0 3.5b,3.5 ¶621611947
IDC Error ellipse: s-maj=65.2km s-min=38.0km az=109.0.
ISC XII 06 00 54 31.9–1.1 27.5S–.20 74.3E–.30 10 4.2b 8 20-82
IDC XII 06 00 54 30.2–1.1 27.47S 74.27E 0 4.0b,4.0 ¶621632559
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=22.7km az=82.0.
ISC XII 06 00 55 41.3–.25 27.86S–.04 74.04E–.05 12 5.2s,5.1b 674 10-178
NEIC XII 06 00 55 34.4 27.79S 73.98E 12 5.5,5.1b ¶621613042
IDC XII 06 00 55 39.0–.41 27.75S 74.12E 0 4.9s,4.7b
BJI XII 06 00 55 38.8 27.70S 73.48E 15 5.7b,5.5s
MOS XII 06 00 55 39.1–.94 27.77S 74.12E 10 5.3b,4.8s
NEIC XII 06 00 55 41.2–1.4 27.80S–.08 74.01E–.10 10–1 5.4b,5.3
GFZ XII 06 00 55 42.0–.18 28S–4.0 74E–3.0 10 5.7b,5.4
GFZ XII 06 00 55 41.4 27.77S 74.09E 12 5.4W,5.4

NEIC XII 06 00 55 41.4 27.79S 73.98E 10 5.4W,5.4
GCMT XII 06 00 55 43.0–.10 27.84S–.01 73.94E–.01 12 5.5W,5.4
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.81 $M_{\theta\theta}$0.73 $M_{\phi\phi}$1.07 $M_{r\theta}$-1.20 $M_{\theta\phi}$-0.95 $M_{\phi r}$1.04 NP1:ϕ_s326.41000°,δ24.97000° ,λ-78.70000°. NP2:ϕ_s133.99000°,δ65.54000°,λ-95.21000°. Principal axes: T 2.4472,Plg20.0000°,Azm228.0000°; N -0.0363,Plg5.0000°,Azm136.0000° ; P -2.4109,Plg69.0000°,Azm34.0000° $M_0$2.43000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.88 $M_{\theta\theta}$0.85 $M_{\phi\phi}$1.02 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.66 $M_{\phi r}$0.33 NP1: ϕ_s145.64731°,δ48.81574°,λ-81.00674°. NP2:ϕ_s312.13283°,δ41.98295°,λ-100.12958°. Principal axes: T 1.6173,Plg3.4402°,Azm229.2897°; N 0.3040,Plg6.7562°,Azm319.6978° ; P -1.9212,Plg82.4111°,Azm112.4688° $M_0$1.78873×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112060055A. Moment Tensor Solution. s117,c201; s158,c341;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.05±.02 $M_{\theta\theta}$0.82±.02; $M_{\phi\phi}$1.23±.02; $M_{r\theta}$0.24±.04; $M_{\theta\phi}$-0.97±.01; $M_{\phi r}$0.31±.05; Best double couple: NP1: ϕ_s311.00000°,δ45.00000°,λ-104.00000°. NP2:ϕ_s151.00000°,δ47.00000°,λ-76.00000°. Principal axes: T 2.0240,Plg1.0000°,Azm231.0000°; N 0.0990,Plg10.0000°,Azm321.0000° ; P -2.1180,Plg80.0000°,Azm134.0000° $M_0$2.07100×10^{17}
ISC XII 06 22 35 15.6–2.7 27.0S–.50 73.2E–.40 10 3.8b 8 19-81
IDC XII 06 22 35 13.9–2.8 27.00S 73.17E 0 3.7b,3.7 **¶621632627**
ISC Event type se.
IDC Error ellipse: s-maj=88.6km s-min=29.2km az=41.0.
ISC XII 14 12 15 39.0–.55 19.8S–.10 67.80E–.09 10 4.4s,4.1b 52 4-168
IDC XII 14 12 15 38.9–.63 19.74S 67.87E 0 4.3s,3.9b **¶621652918**
NEIC XII 14 12 15 38.4–.78 19.8S–.10 67.8E–.10 10–1 4.6b,3.9b
GCMT XII 14 12 15 44.9–.20 20.17S–.01 67.37E–.01 14–1 5.3W,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112141215A. Moment Tensor Solution. s44,c48; s129,c228; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.20±.03 $M_{\theta\theta}$1.07±.03; $M_{\phi\phi}$-0.86±.02; $M_{r\theta}$0.19±.06; $M_{\theta\phi}$-0.56±.02; $M_{\phi r}$0.40±.07; Best double couple: NP1:ϕ_s148.00000°,δ71.00000° ,λ-15.00000°. NP2:ϕ_s243.00000°,δ76.00000°,λ-161.00000°. Principal axes: T 1.2270,Plg3.0000°,Azm15.0000°; N -0.0180,Plg66.0000°,Azm277.0000° ; P -1.2080,Plg24.0000°,Azm106.0000° $M_0$1.21800×10^{17}
ISC XII 16 20 40 29.6–.32 40.66S–.06 78.38E–.07 10 5.0b,4.6s 237 3-174
IDC XII 16 20 40 28.0–.53 40.62S 78.52E 0 4.5b,4.5 **¶621631472**
BJI XII 16 20 40 28.6 40.47S 78.44E 14 5.3b,5.0s
NEIC XII 16 20 40 29.5–1.6 40.61S–.09 78.4E–.10 10–1 5.1b,5.0s
GFZ XII 16 20 40 30.8–.21 41S–4.0 79E–4.0 10 5.8b,5.3
GCMT XII 16 20 40 33.0–.20 40.78S–.01 78.47E–.01 12 5.1W,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112162040A. Moment Tensor Solution. s74,c99; s106,c178; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.12 $M_{\theta\theta}$3.67±.11; $M_{\phi\phi}$-3.52±.12; $M_{r\theta}$-0.72±.28; $M_{\theta\phi}$-4.57±.09; $M_{\phi r}$0.42±.28; Best double couple: NP1:ϕ_s251.00000°,δ84.00000° ,λ175.00000°. NP2:ϕ_s341.00000°,δ85.00000°,λ6.00000°. Principal axes: T 6.0020,Plg8.0000°,Azm206.0000°; N -0.2590,Plg82.0000°,Azm21.0000° ; P -5.7400,Plg1.0000°,Azm116.0000° $M_0$5.87100×10^{16}
ISC XII 15 15 11 49.4–1.1 13.1S–.30 66.8E–.20 10 3.9b,3.6s 7 8-150
IDC XII 15 15 11 48.2–1.2 13.03S 66.83E 0 3.6b,3.6 **¶621654122**
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=30.5km az=24.0.
IDC XII 17 07 40 22.4–20 21.27S 68.21E 0 3.6b,3.6
¶621656923
IDC Error ellipse: s-maj=680.0km s-min=35.8km az=54.0.
ISC XII 16 22 20 05.7–.40 40.67S–.06 78.26E–.10 10 4.8b,4.6s 122 3-147
IDC XII 16 22 20 04.1–.73 40.64S 78.48E 0 4.5b,4.5s **¶621631585**
NEIC XII 16 22 20 05.7–1.1 40.66S–.09 78.2E–.20 10–1 5.0b,4.5s
GFZ XII 16 22 20 06.6–.19 41S–4.0 78E–5.0 10 5.4b,4.9b
GCMT XII 16 22 20 09.5–.40 40.80S–.02 78.48E–.03 18–2 5.1W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112162220A. Moment Tensor Solution. s15,c16; s79,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.39±.33 $M_{\theta\theta}$1.75±.28; $M_{\phi\phi}$-1.36±.27; $M_{r\theta}$-0.74±.59; $M_{\theta\phi}$-4.17±.22; $M_{\phi r}$3.14±.82; Best double couple: NP1:ϕ_s260.00000°,δ54.00000° ,λ-178.00000°. NP2:ϕ_s168.00000°,δ88.00000°,λ-36.00000°. Principal axes: T 5.6740,Plg23.0000°,Azm220.0000°; N -0.3490,Plg54.0000°,Azm346.0000° ; P -5.3230,Plg26.0000°,Azm118.0000° $M_0$5.49900×10^{16}
ISC XII 25 19 21 39.9–.31 8.77S–.05 67.46E–.05 13 5.0b,4.3s 438 12-158
BJI XII 25 19 21 33.0 9.19S 67.07E 10 5.4b,5.2b **¶621653473**
IDC XII 25 19 21 37.7–.49 8.76S 67.48E 0 4.6b,4.6
NEIC XII 25 19 21 40.0–1.3 8.78S–.08 67.47E–.08 10–1 5.1b,4.6
GFZ XII 25 19 21 40.0–.29 9S–5.0 68E–4.0 10 5.5b,4.9b
NEIC XII 25 19 21 40.1 8.76S 67.48E 10 5.5b,4.9b
NEIC XII 25 19 21 40.6 8.66S 67.58E 18 5.1,4.9b
GCMT XII 25 19 21 41.2–.10 8.91S–.01 67.53E–.01 17–0 5.2W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}0.40 $M_{\theta\theta}$-4.92 $M_{\phi\phi}$4.52 $M_{r\theta}$0.07 $M_{\theta\phi}$1.27 $M_{\phi r}$-0.83 NP1:ϕ_s232.96000°,δ81.38000° ,λ6.08000°. NP2:ϕ_s142.04000°,δ83.99000°,λ171.33000°. Principal axes: T 4.8320,Plg10.0000°,Azm97.0000°; N 0.2573,Plg79.0000°,Azm288.0000° ; P -5.0893,Plg2.0000°,Azm188.0000° $M_0$4.97000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112251921A. Moment Tensor Solution. s72,c99; s130,c236; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.18±.13 $M_{\theta\theta}$-6.62±.12; $M_{\phi\phi}$6.44±.12; $M_{r\theta}$-1.69±.31; $M_{\theta\phi}$0.75±.11; $M_{\phi r}$2.41±.34; Best double couple: NP1:ϕ_s49.00000°,δ66.00000° ,λ3.00000°. NP2:ϕ_s318.00000°,δ87.00000°,λ156.00000°. Principal axes: T 7.2620,Plg19.0000°,Azm271.0000°; N -0.1180,Plg66.0000°,Azm132.0000° ; P -7.1440,Plg15.0000°,Azm6.0000° $M_0$7.20300×10^{16}
ISC XII 22 09 34 45.0–.56 15.11S–.10 66.8E–.10 16 4.3b 31 6-152
IDC XII 22 09 34 42.7–.93 15.08S 66.78E 0 4.0s,3.8b **¶621686762**
NEIC XII 22 09 34 44.4–.68 15.2S–.10 66.8E–.10 10–1 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 09 36 18.7–.71 15.0S–.10 66.8E–.10 16 4.2s,4.2b 32 9-152
IDC XII 22 09 36 16.3–1.5 15.00S 66.78E 0 4.0s,3.8b **¶621686763**
NEIC XII 22 09 36 18.9–.86 14.9S–.10 66.80E–.08 10–1 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 17 01 55 22.0–9.4 41.53S 78.39E 0 3.7b,3.7
¶621656905
IDC Error ellipse: s-maj=404.3km s-min=77.0km az=20.0.
ISC XII 22 09 07 49.5–.65 15.0S–.10 67.2E–.10 10 4.6b,3.6s 21 6-152
IDC XII 22 09 07 46.6–1.9 14.64S 67.04E 0 4.0b,4.0 **¶621686759**
NEIC XII 22 09 07 49.8–1.5 15.01S–.10 67.28E–.07 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 31 21 15 35.0–6.0 26.46S 71.67E 0 3.4b,3.4
¶621726087
IDC Error ellipse: s-maj=163.0km s-min=42.4km az=55.0.
IDC XII 31 21 16 16.7–6.3 26.59S 71.53E 0 3.5b,3.5
¶621726090
IDC Error ellipse: s-maj=172.3km s-min=42.0km az=55.0.

(430) South of Africa.

ISC VII 07 02 03 32.6–.40 53.10S–.07 21.4E–.10 10 4.7b,3.8s 93 20-149
IDC VII 07 02 03 30.9–.55 53.11S 21.63E 0 4.3b,4.3 **¶620757422**
NEIC VII 07 02 03 32.8–.81 53.1S–.10 21.5E–.20 10–1 4.8b,4.3
GFZ VII 07 02 03 32.9–.24 53S–3.0 21E–6.0 10 4.7b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VII 07 18 39 23.8–.30 52.97S–.05 21.71E–.08 10 4.9b,4.6s 171 20-170
IDC VII 07 18 39 22.0–.45 53.00S 21.79E 0 4.6b,4.6 **¶620772569**
NEIC VII 07 18 39 23.9–.95 52.99S–.08 21.7E–.20 10–1 5.0b,4.6
GFZ VII 07 18 39 24.1–.19 53S–3.0 22E–6.0 10 4.9b,4.9
GCMT VII 07 18 39 26.8–.10 52.99S–.01 21.86E–.02 12 5.2W,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107071839A. Moment Tensor Solution. s60,c83; s140,c247; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.82±.01 $M_{\theta\theta}$0.75±.01; $M_{\phi\phi}$0.07±.01; $M_{r\theta}$-0.06±.03; $M_{\theta\phi}$-0.10±.01; $M_{\phi r}$-0.22±.04; Best double couple: NP1:ϕ_s291.00000° ,δ46.00000°,λ-71.00000°. NP2:ϕ_s85.00000°,δ48.00000°,λ-109.00000°. Principal axes: T 0.7630,Plg1.0000°,Azm188.0000°; N 0.1180,Plg14.0000°,Azm98.0000° ; P -0.8810,Plg76.0000°,Azm282.0000° $M_0$0.82200×10^{17}
ISC VII 30 15 35 27.2–.43 52.42S–.07 26.61E–.10 10 4.7b,4.0s 73 17-152
IDC VII 30 15 35 26.5–.62 52.50S 26.50E 0 4.4b,4.4 **¶620913671**
NEIC VII 30 15 35 27.2–2.2 52.5S–.10 26.5E–.20 10–1 4.6b,4.4
GFZ VII 30 15 35 27.4–.22 52S–3.0 27E–5.0 10 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 21 11 54 03.1–.74 52.7S–.10 27.5E–.20 10 4.2b 21 17-152
IDC VIII 21 11 54 02.1–1.0 52.82S 27.62E 0 4.0,3.9b **¶621042990**
NEIC VIII 21 11 54 03.0–1.5 52.67S–.04 27.4E–.30 10–2 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 25 20 50 20.2–.52 53.30S–.07 23.3E–.20 10 4.6b,3.8s 43 19-152
IDC IX 25 20 50 17.7–.65 53.21S 23.35E 0 4.2b,4.2 **¶621110362**
NEIC IX 25 20 50 20.5–2.0 53.4S–.10 23.3E–.30 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 03 16 47 39.0–.60 52.99S–.08 23.0E–.20 10 4.1b 30 20-150
IDC IX 03 16 47 37.6–.75 53.01S 22.87E 0 4.0,3.9b **¶621081576**
NEIC IX 03 16 47 39.2–1.4 53.0S–.10 23.0E–.10 10–2 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 25 05 21 32.7–.20 53.44S–.04 23.48E–.05 10 5.5s,5.4b 877 17-168
NEIC IX 25 05 21 20.3 53.41S 23.58E 12 5.8,5.4b **¶621109886**
IDC IX 25 05 21 30.8–.32 53.42S 23.57E 0 5.4s,5.2b
MOS IX 25 05 21 31.2–.90 53.40S 23.57E 10 5.6b,5.5s
BJI IX 25 05 21 31.6 53.40S 23.60E 10 6.1b,5.8s
NEIC IX 25 05 21 32.3–1.2 53.42S–.09 23.6E–.20 7–1 5.7,5.5
NEIC IX 25 05 21 32.8 53.41S 23.58E 10 5.7,5.5
NEIC IX 25 05 21 32.8 53.41S 23.58E 10 5.7,5.5
GFZ IX 25 05 21 33.7 53.49S 23.56E 10 5.8W,5.5
GFZ IX 25 05 21 33.7–.16 53S–3.0 24E–4.0 10 6.3b,6.0
GCMT IX 25 05 21 35.9–.10 53.38S 23.85E 12 5.8W,6.0
PTWC IX 25 05 21 36 53.50S 23.50E 6.0,6.0
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.11 $M_{\theta\theta}$3.84 $M_{\phi\phi}$1.28 $M_{r\theta}$-1.03 $M_{\theta\phi}$-2.27 $M_{\phi r}$3.35 NP1:ϕ_s283.09000°,δ34.26000° ,λ-122.59000°. NP2:ϕ_s140.81000°,δ61.68000°,λ-69.85000°. Principal axes: T 5.8273,Plg14.0000°,Azm216.0000°; N 0.7189,Plg18.0000°,Azm311.0000° ; P -6.5462,Plg67.0000°,Azm89.0000° $M_0$6.22000×10^{17}
IDC Error ellipse: s-maj=14.0km s-min=8.7km az=86.0.
MOS Error ellipse: s-maj=18.0km s-min=8.5km az=88.6.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=15.2km az=227.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.99 $M_{\theta\theta}$2.70 $M_{\phi\phi}$0.29 $M_{r\theta}$-2.00 $M_{\theta\phi}$-2.44 $M_{\phi r}$3.06 NP1:ϕ_s142.07000°,δ69.35000°,λ-70.24000°. NP2:ϕ_s276.54000° ,δ28.28000°,λ-131.90000°. Principal axes: T 5.5553,Plg22.0000°,Azm217.0000° ; N -0.7024,Plg18.0000°,Azm315.0000°; P -4.8530,Plg61.0000°,Azm81.0000° $M_0$5.24000×10^{17}
NEIC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.42 $M_{\theta\theta}$3.06 $M_{\phi\phi}$2.37 $M_{r\theta}$-1.35 $M_{\theta\phi}$-2.13 $M_{\phi r}$0.58 NP1: ϕ_s126.25237°,δ52.77597°,λ-94.80628°. NP2:ϕ_s314.16551°,δ37.48843°,λ-83.70632°. Principal axes: T 5.0591,Plg7.6615°,Azm219.6796°; N 0.5819,Plg3.8255°,Azm129.1642° ; P -5.6410,Plg81.4263°,Azm12.8361° $M_0$5.37372×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109250521A. Moment Tensor Solution. s138,c283; s164,c562;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-6.13±.03 $M_{\theta\theta}$3.49±.03; $M_{\phi\phi}$2.63±.03; $M_{r\theta}$0.14±.10; $M_{\theta\phi}$-3.19±.03; $M_{\phi r}$-0.94±.09; Best double couple: NP1:ϕ_s125.00000°,δ42.00000°,λ-99.00000°. NP2:ϕ_s317.00000°,δ49.00000°,λ-82.00000°. Principal axes: T 6.3210,Plg3.0000°,Azm41.0000°; N -0.0970,Plg6.0000°,Azm132.0000° ; P -6.2340,Plg83.0000°,Azm281.0000° $M_0$6.27700×10^{17}
ISC IX 25 06 35 11.4–1.7 53.4S–.30 23.6E–.30 10 4.1b 12 19-150
IDC IX 25 06 35 10.5–1.6 53.46S 23.73E 0 4.0b,4.0 **¶621131439**
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=35.4km az=125.0.
ISC IX 26 04 04 52.1–.99 53.5S–.10 23.7E–.30 10 4.0b,3.0s 13 19-148
IDC IX 26 04 04 50.8–1.0 53.46S 23.91E 0 4.1b,4.1 **¶621131483**
ISC Event type se.
IDC Error ellipse: s-maj=43.3km s-min=20.1km az=91.0.
ISC IX 26 02 18 30.3–.55 53.28S–.09 23.4E–.20 10 4.4b,3.7s 37 19-153
IDC IX 26 02 18 28.4–.64 53.31S 23.43E 0 4.2b,4.2 **¶621112088**
NEIC IX 26 02 18 31.0–1.3 53.3S–.10 23.3E–.30 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 26 01 40 29.6–.46 53.41S–.07 23.8E–.10 10 4.6b,3.4s 68 19-168
IDC IX 26 01 40 28.0–.57 53.41S 23.67E 0 4.3,4.2b **¶621110145**
GFZ IX 26 01 40 29.7–.25 53S–3.0 24E–6.0 10 4.4b,4.4
NEIC IX 26 01 40 30.2–1.1 53.46S–.09 23.8E–.30 10–1 4.7b,4.4
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**06 22 35 56.0–.60**	**48.45S–.04**	**31.34E–.06**	**14–3**	**5.3b,4.5s**	**518**	**14-167**	
IDC	XII	06 22 35 53.5–.39	48.44S	31.51E	0	5.0L,4.9b			**¶621615798**
MOS	XII	06 22 35 54.0–1.1	48.47S	31.42E	10	5.3b,4.4s			
NEIC	XII	06 22 35 55.2–2.0	48.41S–.08	31.5E–.20	10–1	5.4b,5.2			
GCMT	XII	06 22 35 56.6–.20	48.39S–.01	31.51E–.02	12–0	5.1W,5.2			
GFZ	XII	06 22 35 56.4–.12	48S–2.0	31E–3.0	10	5.7b,5.4			
PRE	XII	06 22 35 58.0–2.0	47.97S	29.54E	5	4.0L,5.4			

ISC Event type se.

IDC Error ellipse: s-maj=17.8km s-min=11.0km az=68.0.

MOS Error ellipse: s-maj=20.2km s-min=7.6km az=89.8.

NEIC Event type se. Error ellipse: s-maj=17.2km s-min=14.1km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112062235A. Moment Tensor Solution. s48,c67; s103,c179; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.85±.20 $M_{\theta\theta}$6.18±.15; $M_{\phi\phi}$-1.33±.15; $M_{r\theta}$1.78±.33; $M_{\theta\phi}$2.05±.10; $M_{\phi r}$-0.01±.44; Best double couple: NP1:ϕ_s67.00000°,δ37.00000°,λ-102.00000°. NP2:ϕ_s263.00000°,δ54.00000°,λ-81.00000°. Principal axes:
T 6.9550,Plg8.0000°,Azm346.0000°; N -1.7950,Plg7.0000°,Azm77.0000°
; P -5.1610,Plg79.0000°,Azm209.0000° $M_0$6.05800×10^{16}

GFZ Error ellipse: s-maj=7.4km s-min=4.9km az=113.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

PRE Event type se. Error ellipse: s-maj=15.5km s-min=45.6km az=-1.0. Presumed earthquake.

IDC	**IX**	**26 06 13 51.9–1.4**	**53.60S**	**24.16E**	**0**	**3.8,3.7b**			**¶621131494**
IDC		Error ellipse: s-maj=47.4km s-min=31.4km az=90.0.							
ISC	**X**	**24 20 13 53.6–.70**	**53.24S–.09**	**23.8E–.20**	**10**	**4.2b,3.6s**	**31**	**19-150**	
IDC	X	24 20 13 52.4–.92	53.31S	23.39E	0	4.1,4.0b			**¶621366410**
NEIC	X	24 20 13 53.5–2.4	53.26S–.08	23.3E–.40	10–1	4.3b,4.0b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**25 22 43 58.7–.51**	**53.22S–.08**	**23.6E–.10**	**10**	**4.5b,3.8s**	**37**	**19-153**	
IDC	IX	25 22 43 57.4–.65	53.24S	23.56E	0	4.3b,4.3			**¶621110367**
NEIC	IX	25 22 43 58.9–.68	53.2S–.10	23.6E–.30	10–1	4.6b,4.3			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**10 04 06 40.6–1.1**	**53.5S–.20**	**26.1E–.40**	**10**	**4.0b,3.7s**	**7**	**18-151**	
IDC	XII	10 04 06 38.0–1.1	53.43S	25.69E	0	4.0b,4.0			**¶621644103**

ISC Event type se.

IDC Error ellipse: s-maj=50.5km s-min=27.6km az=81.0.

ISC	**XII**	**25 21 18 14.7–.76**	**52.74S–.09**	**27.6E–.20**	**10**	**4.2b,3.2s**	**17**	**17-84**	
IDC	XII	25 21 18 13.7–1.1	52.69S	27.74E	0	4.0,3.9b			**¶621700173**
NEIC	XII	25 21 18 14.7–.43	52.78S–.04	27.6E–.40	10–2	4.4b,3.9b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**12 22 11 35.8–.23**	**53.05S–.04**	**22.17E–.06**	**10**	**5.4b,4.8s**	**544**	**18-167**	
NEIC	XII	12 22 11 22.6	53.02S	22.15E	12	5.3,4.8s			**¶621627921**
IDC	XII	12 22 11 33.7–.40	53.08S	22.36E	0	4.9b,4.9			
MOS	XII	12 22 11 34.4–1.3	53.04S	22.10E	10	5.5b,4.9			
NEIC	XII	12 22 11 35.9–1.6	53.02S–.10	22.1E–.20	10–1	5.5b,4.9			
NEIC	XII	12 22 11 35.9	53.02S	22.15E	10	5.5b,4.9			
PTWC	XII	12 22 11 36	53.00S	22.20E	10	5.4,4.9			
GCMT	XII	12 22 11 37.4–.10	53.02S–.01	22.46E–.01	12	5.3W,4.9			
GFZ	XII	12 22 11 37.3–.18	53S–3.0	22E–4.0	10	5.7b,5.4			

ISC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01 $M_{\theta\theta}$0.93 $M_{\phi\phi}$0.08 $M_{r\theta}$-0.49 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.60 NP1:ϕ_s269.51000°,δ30.96000°,λ-120.90000°. NP2:ϕ_s124.42000°,δ63.80000°,λ-72.88000°. Principal axes:
T 1.1955,Plg17.0000°,Azm202.0000°; N 0.1331,Plg15.0000°,Azm297.0000°
; P -1.3286,Plg67.0000°,Azm66.0000° $M_0$1.27000×10^{17}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112122211A. Moment Tensor Solution. s81,c121; s152,c279;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.22±.01 $M_{\theta\theta}$1.09±.01; $M_{\phi\phi}$0.12±.01; $M_{r\theta}$0.34±.04; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$-0.31±.04; Best double couple: NP1:ϕ_s96.00000°,δ36.00000°,λ-104.00000°. NP2:ϕ_s293.00000°,δ55.00000°,λ-80.00000°. Principal axes:
T 1.2240,Plg10.0000°,Azm16.0000°; N 0.0950,Plg8.0000°,Azm107.0000°
; P -1.3210,Plg77.0000°,Azm237.0000° $M_0$1.27300×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

(431) Prince Edward Islands region.

ISC	**VII**	**01 05 32 33.4–.56**	**44.68S–.09**	**37.2E–.10**	**10**	**4.5b,4.0s**	**45**	**14-146**	
IDC	VII	01 05 32 31.8–.64	44.71S	37.30E	0	4.2b,4.2			**¶620714057**
NEIC	VII	01 05 32 33.9–.55	44.8S–.10	37.1E–.20	10–1	4.6b,4.2			
GCMT	VII	01 05 32 36.1–.30	44.67S–.03	37.61E–.06	20–1	4.9W,4.2			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107010532A. Moment Tensor Solution. s16,c19; s95,c114; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.49±.20 $M_{\theta\theta}$1.73±.12; $M_{\phi\phi}$0.75±.12; $M_{r\theta}$-1.11±.20; $M_{\theta\phi}$-0.78±.06; $M_{\phi r}$-0.04±.29; Best double couple: NP1:ϕ_s308.00000°,δ35.00000°,λ-73.00000°. NP2:ϕ_s108.00000°,δ57.00000°,λ-101.00000°. Principal axes:
T 2.3550,Plg11.0000°,Azm206.0000°; N 0.4200,Plg9.0000°,Azm114.0000°
; P -2.7790,Plg75.0000°,Azm345.0000° $M_0$2.56700×10^{16}

ISC	**VIII**	**07 13 42 29.9–.32**	**45.09S–.06**	**35.00E–.07**	**10**	**4.8b,4.6s**	**184**	**12-160**	
IDC	VIII	07 13 42 28.0–.52	45.04S	35.55E	0	4.5s,4.2b			**¶620976075**
GFZ	VIII	07 13 42 29.9–.16	45S–3.0	35E–5.0	10	4.9b,4.9			
GFZ	VIII	07 13 42 29.9	45.13S	35.12E	15	5.2W,4.9			
NEIC	VIII	07 13 42 30.6–2.4	45.15S–.09	34.7E–.20	10–1	4.9b,4.9			
GCMT	VIII	07 13 42 33.1–.10	45.08S–.01	35.05E–.01	21–0	5.2W,4.9			

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.56 $M_{\theta\theta}$4.22 $M_{\phi\phi}$-2.66 $M_{r\theta}$-0.71 $M_{\theta\phi}$5.76 $M_{\phi r}$-0.50 NP1:ϕ_s285.54897°,δ85.42565°,λ3.05896°. NP2:ϕ_s195.30478°,δ86.95079°,λ175.41915°.
Principal axes: T 7.5730,Plg5.3942°,Azm150.3758°; N -1.6406,Plg84.4989°,Azm341.7242°
; P -5.9324,Plg1.0761°,Azm240.4775° $M_0$6.90058×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108071342A. Moment Tensor Solution. s72,c111; s131,c234;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.74±.14 $M_{\theta\theta}$5.00±.13; $M_{\phi\phi}$-4.26±.12; $M_{r\theta}$-2.26±.24; $M_{\theta\phi}$6.71±.12; $M_{\phi r}$-0.34±.22; Best double couple: NP1:ϕ_s197.00000°,δ77.00000°,λ175.00000°. NP2:ϕ_s288.00000°,δ86.00000°,λ13.00000°.
Principal axes: T 9.0030,Plg13.0000°,Azm153.0000°; N -1.1390,Plg76.0000°,Azm306.0000°
; P -7.8640,Plg6.0000°,Azm61.0000° $M_0$8.43300×10^{16}

ISC	**XI**	**09 00 14 05.8–.46**	**47.28S–.07**	**32.2E–.10**	**10**	**4.5b,3.9s**	**48**	**13-142**	
IDC	XI	09 00 14 04.4–.91	47.28S	32.38E	0	4.2b,4.2			**¶621391475**
NEIC	XI	09 00 14 06.0–1.2	47.33S–.09	32.12E–.08	10–1	4.7b,4.2			
GCMT	XI	09 00 14 10.3–.30	47.40S–.02	32.21E–.02	21–1	4.9W,4.2			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111090014A. Moment Tensor Solution. s23,c29; s97,c137; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.12 $M_{\theta\theta}$1.66±.09; $M_{\phi\phi}$-1.74±.10; $M_{r\theta}$-0.13±.15; $M_{\theta\phi}$1.97±.08; $M_{\phi r}$-0.38±.18; Best double couple: NP1:ϕ_s290.00000°,δ81.00000°,λ0.00000°. NP2:ϕ_s200.00000°,δ90.00000°,λ171.00000°. Principal axes:
T 2.5920,Plg6.0000°,Azm155.0000°; N 0.0760,Plg81.0000°,Azm19.0000°
; P -2.6730,Plg6.0000°,Azm246.0000° $M_0$2.63200×10^{16}

ISC	**X**	**04 04 12 41.8–.35**	**46.99S–.06**	**33.72E–.08**	**10**	**5.0s,4.7b**	**118**	**12-162**	
IDC	X	04 04 12 40.6–.68	47.03S	33.61E	0	5.0s,4.5L			**¶621117530**
GFZ	X	04 04 12 42.0	46.99S	33.72E	21	5.5W,4.5L			
GFZ	X	04 04 12 42.0–.23	47S–3.0	34E–5.0	10	6.8,6.7			
NEIC	X	04 04 12 42.1–1.6	46.96S–.07	33.7E–.10	10–1	5.1b,6.7			
GCMT	X	04 04 12 48.1–.20	47.04S–.01	33.53E–.02	22–1	5.5W,6.7			

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41 $M_{\theta\theta}$1.81 $M_{\phi\phi}$-1.41 $M_{r\theta}$0.26 $M_{\theta\phi}$1.25 $M_{\phi r}$-0.49 NP1:ϕ_s294.51300°,δ78.40507°,λ-14.91233°. NP2:ϕ_s27.57689°,δ75.39882°,λ-168.01245°.
Principal axes: T 2.2428,Plg2.0706°,Azm341.3765°; N -0.2241,Plg71.1914°,Azm77.4702°
; P -2.0187,Plg18.6857°,Azm250.6759° $M_0$2.13954×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110040412A. Moment Tensor Solution. s31,c45; s99,c172; Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.09 $M_{\theta\theta}$1.41±.07; $M_{\phi\phi}$-1.30±.06; $M_{r\theta}$-0.24±.10; $M_{\theta\phi}$1.56±.05; $M_{\phi r}$-1.15±.14; Best double couple: NP1:ϕ_s289.00000°,δ61.00000°,λ-5.00000°. NP2:ϕ_s21.00000°,δ86.00000°,λ-151.00000°. Principal axes:
T 2.3390,Plg17.0000°,Azm152.0000°; N 0.0730,Plg60.0000°,Azm28.0000°
; P -2.4180,Plg23.0000°,Azm249.0000° $M_0$2.37900×10^{17}

ISC	**X**	**29 19 57 03.5–.62**	**44.6S–.10**	**37.0E–.10**	**10**	**4.2b,3.8s**	**25**	**14-145**	
IDC	X	29 19 57 02.8–1.0	44.66S	37.04E	0	4.0b,4.0			**¶621391461**
NEIC	X	29 19 57 03.5–1.2	44.6S–.10	36.9E–.20	10–1	4.4b,4.0			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**18 20 05 44.8–.20**	**47.27S–.03**	**33.48E–.04**	**6**	**5.8s,5.4b**	**805**	**13-162**	
IDC	XII	18 20 05 43.7–.35	47.26S	33.58E	0	5.6s,4.9b			**¶621633506**
MOS	XII	18 20 05 43.5–1.2	47.18S	33.40E	10	5.8b,5.6s			
NEIC	XII	18 20 05 44.7	47.03S	33.64E	10	5.8b,5.6s			
NEIC	XII	18 20 05 44.6	47.10S	33.45E	10	5.8b,5.6s			
IPGP	XII	18 20 05 44.0	47.10S	33.46E	12	6.1W,5.6s			
NEIC	XII	18 20 05 45.1–1.1	47.13S–.09	33.5E–.10	10–1	5.9,5.8			
ISC-P	XII	18 20 05 45	47.13S	33.51E	7–0	6.2,5.8			
GFZ	XII	18 20 05 46.4–.16	47S–3.0	33E–4.0	10	6.0b,5.8			
GFZ	XII	18 20 05 46.5	47.19S	33.38E	20	5.9W,5.8			
PTWC	XII	18 20 05 47	47.00S	32.90E	10	6.1,5.8			
NEIC	XII	18 20 05 48.9	46.80S	33.60E	26	6.0,5.8			
GCMT	XII	18 20 05 49.3–.10	46.95S	33.56E	21–0	6.0W,5.8			

ISC Event type se.

IDC Error ellipse: s-maj=14.8km s-min=11.6km az=71.0.

MOS Error ellipse: s-maj=15.3km s-min=7.3km az=88.8.

NEIC Event type se.

NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s200.00000°,δ84.00000°,λ163.00000°. NP2:ϕ_s291.00000°,δ73.00000°,λ7.00000°.

NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.7km az=227.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03 $M_{\theta\theta}$6.67 $M_{\phi\phi}$-6.64 $M_{r\theta}$-0.64 $M_{\theta\phi}$5.23 $M_{\phi r}$-2.62 NP1:ϕ_s26.34000°,δ86.84000°,λ-162.79000°. NP2:ϕ_s295.36000°,δ72.82000°,λ-3.31000°. Principal axes: T 8.7329,Plg10.0000°,Azm160.0000°
; N 0.2988,Plg73.0000°,Azm36.0000°; P -9.0317,Plg14.0000°,Azm252.0000°
$M_0$8.89000×10^{17}

ISC-P Moment Tensor Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}0.48±.19 $M_{\theta\theta}$0.04±.25; $M_{\phi\phi}$-0.03±.16; $M_{r\theta}$0.07±.13; $M_{\theta\phi}$-0.47±.14; $M_{\phi r}$0.39±.16; NP1:ϕ_s166.00000°,δ72.70000°,λ119.10000°. NP2:ϕ_s284.10000°,δ33.40000°,λ32.70000°. $M_0$2.40000×10^{18}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}1.35 $M_{\theta\theta}$4.12 $M_{\phi\phi}$-5.47 $M_{r\theta}$0.98 $M_{\theta\phi}$6.75 $M_{\phi r}$-0.69 NP1:ϕ_s287.71780°,δ89.44808°,λ-7.70699°. NP2:ϕ_s17.79248°,δ82.29337°,λ-179.44305°.
Principal axes: T 7.6493,Plg5.0493°,Azm333.0134°; N 1.4086,Plg82.2734°,Azm103.6464°
; P -9.0578,Plg5.8333°,Azm242.4962° $M_0$8.44216×10^{17}

PTWC PRINCE EDWARD ISLANDS REGION.

NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{18}Nm; M_{rr}0.07 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-0.66 $M_{r\theta}$-0.49 $M_{\theta\phi}$0.71 $M_{\phi r}$-0.07 NP1:ϕ_s197.88000°,δ66.75000°,λ167.84000°. NP2:ϕ_s292.74000°,δ78.84000°,λ23.73000°. Principal axes:
T 1.1331,Plg25.0000°,Azm157.0000°; N -0.1259,Plg64.0000°,Azm317.0000°
; P -1.0073,Plg8.0000°,Azm64.0000° $M_0$1.08000×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112182005A. Moment Tensor Solution. s150,c299; s162,c550;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04±.01 $M_{\theta\theta}$0.77±.01; $M_{\phi\phi}$-0.72±.01; $M_{r\theta}$0.04±.01; $M_{\theta\phi}$0.93±.01; $M_{\phi r}$-0.17±.01; Best double couple: NP1:ϕ_s289.00000°,δ83.00000°,λ-5.00000°. NP2:ϕ_s20.00000°,δ86.00000°,λ-173.00000°.
Principal axes: T 1.2210,Plg2.0000°,Azm154.0000°; N -0.0210,Plg82.0000°,Azm51.0000°
; P -1.2000,Plg8.0000°,Azm245.0000° $M_0$1.21000×10^{18}

IDC	**XII**	**23 21 50 52.0–8.9**	**47.09S**	**32.61E**	**0**	**4.0b,3.9**			**¶621686847**
IDC		Error ellipse: s-maj=425.0km s-min=35.1km az=54.0.							

(435) Southeast Indian Ridge.

IDC	**VII**	**03 06 32 28.7–1.9**	**43.65S**	**92.44E**	**0**	**3.7b,3.7**			**¶620927793**
IDC		Error ellipse: s-maj=57.6km s-min=36.5km az=124.0.							
ISC	**VII**	**03 10 20 31.8–.60**	**43.44S–.08**	**92.1E–.10**	**10**	**4.5b,4.4s**	**46**	**19-100**	
IDC	VII	03 10 20 29.5–1.1	43.33S	92.03E	0	4.3s,4.2b			**¶620733564**
NEIC	VII	03 10 20 31.8–1.2	43.46S–.08	92.2E–.20	10–1	4.6b,4.2b			
GCMT	VII	03 10 20 34.0–.20	43.34S–.01	92.12E–.01	13–1	5.0W,4.2b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107031020A. Moment Tensor Solution. s60,c75; s130,c202; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.92±.10 $M_{\theta\theta}$4.89±.12; $M_{\phi\phi}$-3.97±.10; $M_{r\theta}$-0.16±.21; $M_{\theta\phi}$0.34±.08; $M_{\phi r}$0.61±.24; Best double couple: NP1:ϕ_s223.00000°,δ81.00000°,λ-173.00000°. NP2:ϕ_s132.00000°,δ83.00000°,λ-9.00000°. Principal axes:
T 4.9060,Plg1.0000°,Azm178.0000°; N -0.8060,Plg79.0000°,Azm275.0000°
; P -4.1000,Plg11.0000°,Azm88.0000° $M_0$4.50300×10^{16}

ISC	**VII**	**03 11 58 07.1–.25**	**43.48S–.04**	**92.11E–.05**	**10**	**5.6s,5.2b**	**594**	**16-171**	
BJI	VII	03 11 58 04.0	43.40S	91.46E	7	5.8s,5.7			**¶620733415**
IDC	VII	03 11 58 05.4–.43	43.40S	92.09E	0	5.3s,4.9b			
MOS	VII	03 11 58 05.5–.94	43.37S	92.11E	10	5.4b,5.3s			
NEIC	VII	03 11 58 07.1	43.41S	92.10E	10	5.4b,5.3s			
ISC-P	VII	03 11 58 07	43.41S	92.10E	26–0	6.2,5.3s			
NEIC	VII	03 11 58 07.1	43.41S	92.12E	10	6.2,5.3s			
NEIC	VII	03 11 58 07.1–1.2	43.41S–.02	92.1E–.10	10–1	5.7,5.6			
IPGP	VII	03 11 58 07.0	43.42S	92.06E	6	5.7W,5.6			
GFZ	VII	03 11 58 07.8	43.31S	92.08E	14	5.8W,5.6			
NEIC	VII	03 11 58 08.4	43.31S	92.12E	24	5.8,5.6			
GFZ	VII	03 11 58 08.7–.22	43S–4.0	92E–4.0	10	5.4,5.3b			
GCMT	VII	03 11 58 10.8–.10	43.32S	92.11E	12–0	5.8W,5.3b			

ISC Event type se.

IDC Error ellipse: s-maj=17.8km s-min=13.0km az=111.0.

MOS Error ellipse: s-maj=12.5km s-min=7.4km az=87.9.

NEIC Event type se.

ISC-P Moment Tensor Solution. s34 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13±.06 $M_{\theta\theta}$0.69±.16; $M_{\phi\phi}$-0.53±.19; $M_{r\theta}$0.30±.24; $M_{\theta\phi}$0.17±.15; $M_{\phi r}$0.01±.16; NP1:ϕ_s226.60000°,δ87.10000°,λ209.90000°. NP2:ϕ_s135.00000°,δ60.10000°,λ-3.30000°. $M_0$2.48000×10^{18}

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.9km s-min=3.7km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.05 $M_{\theta\theta}$3.08 $M_{\phi\phi}$-3.13 $M_{r\theta}$0.72 $M_{\theta\phi}$-2.86 $M_{\phi r}$0.02 NP1:ϕ_s66.06000°,δ86.42000°,λ170.99000°. NP2:ϕ_s156.63000°,δ81.00000°,λ3.63000°. Principal axes: T 4.3012,Plg9.0000°,Azm21.0000°; N -0.0315,Plg80.0000°,Azm225.0000°; P -4.2697,Plg4.0000°,Azm112.0000° $M_0$4.29000×10^{17}

IPGP Moment Tensor Solution. NP1:ϕ_s337.00000°,δ85.00000°,λ22.00000°. NP2:ϕ_s245.00000°,δ68.00000°,λ174.00000°.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$3.76 $M_{\phi\phi}$-4.00 $M_{r\theta}$1.44 $M_{\theta\phi}$-4.01 $M_{\phi r}$0.91 NP1: ϕ_s157.65179°,δ73.38844°,λ-1.59928°. NP2:ϕ_s248.10910°,δ88.46748°,λ-163.38232°. Principal axes: T 5.6430,Plg10.5584°,Azm21.6794°; N 0.3724,Plg73.3138°,Azm253.2298° ; P -6.0154,Plg12.7713°,Azm114.1008° $M_0$5.83808×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3ŝ7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43 $M_{\theta\theta}$5.20 $M_{\phi\phi}$-4.77 $M_{r\theta}$-2.23 $M_{\theta\phi}$-3.82 $M_{\phi r}$-1.05 NP1:ϕ_s333.59000°,δ68.47000° ,λ-1.63000°. NP2:ϕ_s64.19000°,δ88.48000°,λ-158.47000°. Principal axes: T 6.9321,Plg14.0000°,Azm197.0000°; N -0.3747,Plg68.0000°,Azm68.0000° ; P -6.5574,Plg16.0000°,Azm291.0000° $M_0$6.75000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202107031158A. Moment Tensor Solution. s145,c293; s167,c548;Duration: 1ŝ9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.53±.03 $M_{\theta\theta}$4.91±.04; $M_{\phi\phi}$-4.38±.04; $M_{r\theta}$0.01±.08; $M_{\theta\phi}$-3.69±.03; $M_{\phi r}$-0.23±.09; Best double couple: NP1:ϕ_s64.00000°,δ88.00000°,λ-179.00000°. NP2:ϕ_s334.00000°,δ89.00000°,λ-2.00000°. Principal axes: T 6.1980,Plg1.0000°,Azm19.0000°; N -0.5210,Plg87.0000°,Azm125.0000° ; P -5.6760,Plg2.0000°,Azm289.0000° $M_0$5.93700×10^{17}

ISC	**VII**	**05 06 12 13.7–.29**	**43.43S–.05**	**92.13E–.06**	**10**	**5.0b,4.9s**	**258**	**16-171**	
BJI	VII	05 06 12 10.8	43.44S	91.59E	5	5.2s,5.2b			**¶620733789**
IDC	VII	05 06 12 13.0–.49	43.37S	92.21E	0	4.7b,4.7			
NEIC	VII	05 06 12 13.4–.96	43.29S–.10	92.2E–.10	10–1	5.5,5.3			
NEIC	VII	05 06 12 13.4	43.29S	92.20E	10	5.5,5.3			
GFZ	VII	05 06 12 14.2–.18	43S–3.0	92E–4.0	10	5.1,5.0b			
GCMT	VII	05 06 12 17.2–.10	43.38S–.01	92.14E–.01	12–0	5.3W,5.0b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07 $M_{\theta\theta}$0.90 $M_{\phi\phi}$-0.83 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.58 $M_{\phi r}$-0.23 NP1:ϕ_s331.06000°,δ80.98000°,λ-9.89000°. NP2:ϕ_s62.63000°,δ80.23000° ,λ-170.84000°. Principal axes: T 1.0766,Plg1.0000°,Azm17.0000°; N -0.0182,Plg77.0000° ,Azm109.0000°; P -1.0584,Plg13.0000°,Azm287.0000° $M_0$1.07000×10^{17}

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107050612A. Moment Tensor Solution. s113,c179; s147,c280;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15±.01 $M_{\theta\theta}$0.92±.02; $M_{\phi\phi}$-0.76±.02; $M_{r\theta}$0.05±.03; $M_{\theta\phi}$-0.92±.01; $M_{\phi r}$0.09±.04; Best double couple: NP1: ϕ_s159.00000°,δ86.00000°,λ-4.00000°. NP2:ϕ_s249.00000°,δ86.00000°,λ-176.00000°. Principal axes: T 1.3230,Plg0.0000°,Azm24.0000°; N -0.1420,Plg84.0000°,Azm289.0000° ; P -1.1820,Plg6.0000°,Azm114.0000° $M_0$1.25300×10^{17}

ISC	**VII**	**08 05 05 51.6–1.5**	**44.2S–.20**	**93.7E–.30**	**10**	**3.6b,3.6s**	**6**	**18-99**	
IDC	VII	08 05 05 50.0–1.9	44.18S	93.68E	0	3.7b,3.7			**¶620928155**

ISC Event type se.

IDC Error ellipse: s-maj=49.8km s-min=27.9km az=117.0.

IDC	**VII**	**19 08 11 10.2–2.4**	**47.73S**	**102.55E**	**0**	**3.9b,3.9**			**¶620928861**

IDC Error ellipse: s-maj=91.2km s-min=26.1km az=121.0.

ISC	**VIII**	**27 13 07 33.6–.72**	**49.85S–.10**	**110.6E–.20**	**22**	**4.2b,3.7s**	**23**	**15-152**	
IDC	VIII	27 13 07 30.2–.95	49.83S	110.72E	0	4.1b,4.1			**¶621072151**
NEIC	VIII	27 13 07 31.9–1.4	49.9S–.10	110.6E–.10	10–1	4.2b,4.1			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**01 21 37 18.8–1.1**	**40.1S–.20**	**102.6E–.20**	**10**	**4.1b**	**12**	**11-148**	
IDC	VIII	01 21 36 49.0–2.6	41.41S	97.97E	0	3.8b,3.8			**¶620986237**
NEIC	VIII	01 21 37 18.4–2.5	40.10S–.08	102.5E–.30	10–2	4.2b,3.8			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**10 18 49 17.8–2.1**	**48.34S**	**107.87E**	**0**	**3.9b,3.9**			**¶621008134**

IDC Error ellipse: s-maj=99.9km s-min=22.1km az=122.0.

ISC	**VIII**	**28 00 09 36.7–.79**	**49.15S–.09**	**106.0E–.20**	**10**	**4.5b,3.6s**	**27**	**15-150**	
IDC	VIII	28 00 09 35.3–1.1	49.16S	105.96E	0	3.9b,3.9			**¶621073072**
NEIC	VIII	28 00 09 36.9–.94	49.2S–.10	106.0E–.10	10–1	4.7b,3.9			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**31 05 15 59.0–1.5**	**46.58S**	**95.87E**	**0**	**3.8b,3.8**			**¶621076578**

IDC Error ellipse: s-maj=60.0km s-min=28.2km az=131.0.

ISC	**VIII**	**31 01 41 15.3–.56**	**41.5S–.10**	**84.87E–.10**	**10**	**4.4b,3.8s**	**23**	**24-92**	
IDC	VIII	31 01 41 14.5–1.5	41.56S	84.90E	0	3.9b,3.9			**¶621076553**
NEIC	VIII	31 01 41 15.7–1.1	41.5S–.10	84.8E–.10	10–1	4.6b,3.9			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**05 06 37 17.1–3.6**	**48.9S–.30**	**106.4E–.70**	**10**	**4.0s,3.8b**	**6**	**15-150**	
GCMT	IX	05 06 37 12.0	49.25S	105.75E	10	5.0s,3.8b			**¶621086387**
IDC	IX	05 06 37 16.3–3.3	48.98S	106.52E	0	4.0s,3.8b			
GCMT	IX	05 06 37 22.0–.30	48.93S–.02	106.34E–.03	16–1	4.9W,3.8b			

ISC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202109050637A. Moment Tensor Solution. s13,c16; s91,c113;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.32±.11 $M_{\theta\theta}$2.07±.12; $M_{r\theta}$-1.74±.11; $M_{\theta\phi}$-0.07±.31; $M_{\phi r}$1.29±.10; $M_{\phi r}$1.14±.36; Best double couple: NP1:ϕ_s115.00000°,δ68.00000°,λ-14.00000°. NP2:ϕ_s211.00000°,δ77.00000°,λ-157.00000°. Principal axes: T 2.4940,Plg6.0000°,Azm342.0000°; N 0.1780,Plg64.0000°,Azm239.0000° ; P -2.6650,Plg25.0000°,Azm74.0000° $M_0$2.58000×10^{16}

GCMT	**IX**	**04 02 14 45.0–.30**	**42.04S–.02**	**84.55E–.02**	**18–1**	**4.8W**			
GCMT	IX	04 02 14 40.0	41.75S	83.75E	10	4.9s			**¶621717474**

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202109040214A. Moment Tensor Solution. s21,c22; s91,c122;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50±.11 $M_{\theta\theta}$2.38±.11; $M_{\phi\phi}$-1.88±.09; $M_{r\theta}$-0.78±.23; $M_{\theta\phi}$-0.20±.08; $M_{\phi r}$0.63±.23; Best double couple: NP1:ϕ_s228.00000°,δ64.00000°,λ-175.00000°. NP2:ϕ_s136.00000°,δ85.00000°,λ-27.00000°. Principal axes: T 2.6060,Plg15.0000°,Azm185.0000°; N -0.4820,Plg63.0000°,Azm307.0000° ; P -2.1260,Plg22.0000°,Azm89.0000° $M_0$2.36600×10^{16}

IDC	**X**	**23 18 17 43.9–1.4**	**50.28S**	**113.99E**	**0**	**3.7,3.5b**			**¶621309386**

IDC Error ellipse: s-maj=60.2km s-min=24.8km az=102.0.

ISC	**IX**	**21 03 29 13.1–.90**	**49.71S–.09**	**110.0E–.20**	**10**	**4.6b**	**24**	**15-147**	
IDC	IX	21 03 29 11.8–4.4	49.70S	110.11E	0	4.1b,4.1			**¶621116017**
NEIC	IX	21 03 29 13.2–1.4	49.73S–.04	110.0E–.30	10–1	4.9b,4.1			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT	**X**	**15 19 42 50.5–.40**	**42.05S–.02**	**88.45E–.03**	**20–1**	**4.9W**			
GCMT	X	15 19 42 56.0	41.75S	88.25E	10	4.9s			**¶622022450**

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110151942A. Moment Tensor Solution. s21,c21; s89,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.81±.14 $M_{\theta\theta}$2.72±.13; $M_{\phi\phi}$-1.91±.09; $M_{r\theta}$-0.18±.21; $M_{\theta\phi}$-0.11±.08; $M_{\phi r}$0.69±.20; Best double couple: NP1:ϕ_s229.00000°,δ70.00000°,λ-163.00000°. NP2:ϕ_s133.00000°,δ75.00000°,λ-21.00000°. Principal axes: T 2.7340,Plg3.0000°,Azm182.0000°; N -0.4940,Plg64.0000°,Azm279.0000° ; P -2.2440,Plg26.0000°,Azm90.0000° $M_0$2.48900×10^{16}

ISC	**IX**	**21 13 10 16.1–.55**	**47.73S–.09**	**99.6E–.10**	**10**	**4.2b**	**29**	**17-151**	
IDC	IX	21 13 10 14.7–1.1	47.68S	99.83E	0	4.0b,4.0			**¶621116035**
NEIC	IX	21 13 10 16.5–1.3	47.78S–.07	99.5E–.20	10–1	4.5b,4.0			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**28 12 50 33.4–.54**	**48.70S–.08**	**107.2E–.10**	**10**	**4.5b,4.0s**	**57**	**15-154**	
IDC	IX	28 12 50 32.4–.88	48.62S	107.19E	0	4.1b,4.1			**¶621112113**
NEIC	IX	28 12 50 32.8–1.1	48.65S–.10	107.2E–.20	10–1	4.5b,4.1			
GFZ	IX	28 12 50 34.7–.34	49S–5.0	107E–8.0	10	5.8b,5.4			
GCMT	IX	28 12 50 36.4–.40	48.62S–.02	106.75E–.03	12	4.7W,5.4			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109281250A. Moment Tensor Solution. s7,c7; s72,c84; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.23±.08 $M_{\theta\theta}$1.05±.08; $M_{\phi\phi}$-1.28±.07; $M_{r\theta}$-0.46±.27; $M_{\theta\phi}$0.86±.07; $M_{\phi r}$0.15±.22; Best double couple: NP1:ϕ_s206.00000°,δ71.00000° ,λ173.00000°. NP2:ϕ_s298.00000°,δ84.00000°,λ19.00000°. Principal axes: T 1.4590,Plg18.0000°,Azm164.0000°; N 0.1440,Plg70.0000°,Azm315.0000° ; P -1.6060,Plg9.0000°,Azm71.0000° $M_0$1.53300×10^{16}

IDC	**XI**	**03 19 28 00.8–2.0**	**41.95S**	**84.80E**	**0**	**3.7b,3.7**			**¶621412258**

IDC Error ellipse: s-maj=56.7km s-min=29.2km az=106.0.

IDC	**X**	**26 16 51 38.5–1.8**	**48.87S**	**107.10E**	**0**	**3.7b,3.7**			**¶621366483**

IDC Error ellipse: s-maj=54.9km s-min=27.6km az=95.0.

IDC	**XI**	**10 19 32 23.9–7.4**	**49.12S**	**108.46E**	**0**	**3.9s,3.6b**			**¶621440075**

IDC Error ellipse: s-maj=248.6km s-min=31.8km az=105.0.

ISC	**XI**	**28 05 45 40.2–.45**	**52.31S–.07**	**101.3E–.10**	**10**	**4.6b,3.8s**	**76**	**15-157**	
IDC	XI	28 05 45 38.5–.75	52.29S	101.33E	0	4.4b,4.4			**¶621625162**
NEIC	XI	28 05 45 40.2–.55	52.3S–.10	101.2E–.10	10–1	4.7b,4.4			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**07 08 37 01.2–2.1**	**48.8S–.20**	**108.1E–.60**	**10**	**4.1b,3.6s**	**8**	**15-153**	
IDC	XII	07 08 37 00.4–2.4	48.83S	108.30E	0	4.1b,4.1			**¶621632652**

ISC Event type se.

IDC Error ellipse: s-maj=101.4km s-min=23.3km az=108.0.

ISC	**XI**	**24 20 33 14.5–1.3**	**46.0S–.20**	**95.7E–.30**	**14**	**3.9b,3.8s**	**6**	**18-72**	
IDC	XI	24 20 33 13.1–1.7	45.98S	95.92E	0	3.8b,3.8			**¶621614006**

ISC Event type se.

IDC Error ellipse: s-maj=50.2km s-min=24.8km az=106.0.

(437) South of Australia.

ISC	**VIII**	**29 01 06 24.6–1.0**	**63.5S–.20**	**144.8E–.40**	**10**			**9**	**15-153**
IDC	VIII	29 01 06 26.6–1.0	62.88S	145.80E	0	4.0b,4.0			**¶621073141**

ISC Event type se.

IDC Error ellipse: s-maj=78.1km s-min=20.8km az=78.0.

IDC	**VIII**	**14 21 42 15.2–1.9**	**63.18S**	**142.91E**	**0**	**3.7L,3.5**			**¶621013568**

IDC Error ellipse: s-maj=435.8km s-min=24.3km az=76.0.

(740) Owen Fracture Zone region.

OMAN	**VII**	**03 05 42 30.7–.87**	**17.49N**	**59.62E**	**10**	**3.9L,3.4b**			**¶621741807**

OMAN Error ellipse: s-maj=7.6km s-min=3.4km az=129.0.

ISC	**VII**	**03 17 04 27.2–.43**	**14.12N–.03**	**56.76E–.03**	**13–2**	**5.4b,5.1s**	**1787**	**4-163**	
BJI	VII	03 17 04 20.0	13.50N	56.39E	10	5.6b,5.4s			**¶620733425**
MOS	VII	03 17 04 24.9–1.1	14.06N	56.70E	10	5.6b,4.9s			
IDC	VII	03 17 04 25.4–.38	14.11N	56.84E	0	4.9s,4.8b			
GCMT	VII	03 17 04 27.9–.10	14.20N–.01	56.73E–.01	12	5.5W,4.8b			
GFZ	VII	03 17 04 27.6	14.13N	56.73E	12	5.5W,4.8b			
GFZ	VII	03 17 04 27.6–.11	14N–2.0	57E–2.0	10	5.9b,5.5			
IPGP	VII	03 17 04 27.0	14.20N	56.77E	11	5.6W,5.5			
NEIC	VII	03 17 04 27.3–1.9	14.28N–.08	56.77E–.09	10–1	5.7b,5.5			
NEIC	VII	03 17 04 27.3	14.28N	56.77E	10	5.7b,5.5			
NEIC	VII	03 17 04 27.3	14.24N	56.76E	10	5.7b,5.5			
NEIC	VII	03 17 04 27.4	13.94N	57.07E	20	5.6,5.5			
DSN	VII	03 17 04 29.3–.57	14.39N	56.72E	10	6.1b,5.1s			
BGR	VII	03 17 04 29.8	13.37N	55.43E	27–0	5.6b,4.7s			
OMAN	VII	03 17 04 31.0–.11	14.57N	56.81E	10	5.7,5.0s			

ISC Event type ke.

MOS Error ellipse: s-maj=5.2km s-min=2.8km az=107.0.

IDC Error ellipse: s-maj=11.8km s-min=9.4km az=16.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107031704A. Moment Tensor Solution. s125,c211; s161,c351;Duration: 1ŝ4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.12±.02 $M_{\theta\theta}$1.68±.02; $M_{\phi\phi}$0.44±.02; $M_{r\theta}$0.80±.06; $M_{\theta\phi}$-0.95±.02; $M_{\phi r}$0.07±.06; Best double couple: NP1: ϕ_s130.00000°,δ37.00000°,λ-72.00000°. NP2:ϕ_s287.00000°,δ55.00000°,λ-103.00000°. Principal axes: T 2.3020,Plg9.0000°,Azm27.0000°; N 0.0070,Plg11.0000°,Azm295.0000° ; P -2.3080,Plg76.0000°,Azm155.0000° $M_0$2.30500×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.19 $M_{\theta\theta}$1.56 $M_{\phi\phi}$0.63 $M_{r\theta}$-0.11 $M_{\theta\phi}$-0.92 $M_{\phi r}$0.19 NP1: ϕ_s124.24328°,δ47.63536°,λ-86.43023°. NP2:ϕ_s298.95390°,δ42.48639°,λ-93.90565°. Principal axes: T 2.1385,Plg2.5772°,Azm211.7173°; N 0.0640,Plg2.6368°,Azm301.8361° ; P -2.2025,Plg86.3116°,Azm77.4312° $M_0$2.17121×10^{17}

GFZ Error ellipse: s-maj=5.3km s-min=3.1km az=29.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IPGP Moment Tensor Solution. NP1:ϕ_s106.00000°,δ35.00000°,λ-113.00000°. NP2:ϕ_s313.00000° ,δ58.00000°,λ-75.00000°.

NEIC Event type se. Error ellipse: s-maj=14.6km s-min=13.1km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.59 $M_{\theta\theta}$1.39 $M_{\phi\phi}$0.20 $M_{r\theta}$1.16 $M_{\theta\phi}$-0.66 $M_{\phi r}$-0.16 NP1:ϕ_s124.02000°,δ28.56000°,λ-72.67000°. NP2:ϕ_s284.46000°,δ62.85000° ,λ-99.21000°. Principal axes: T 2.0343,Plg17.0000°,Azm21.0000°; N -0.0435,Plg8.0000° ,Azm289.0000°; P -1.9909,Plg71.0000°,Azm174.0000° $M_0$2.01000×10^{17}

NEIC Event type se.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 3ŝ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.06 $M_{\theta\theta}$2.03 $M_{\phi\phi}$1.03 $M_{r\theta}$0.14 $M_{\theta\phi}$-1.11 $M_{\phi r}$0.76 NP1:ϕ_s291.96000°,δ43.16000° ,λ-106.82000°. NP2:ϕ_s134.47000°,δ49.10000°,λ-74.82000°. Principal axes: T 2.7588,Plg3.0000°,Azm214.0000°; N 0.4583,Plg11.0000°,Azm304.0000° ; P -3.2171,Plg78.0000°,Azm109.0000° $M_0$3.01000×10^{17}

DSN Error ellipse: s-maj=10.0km s-min=6.3km az=75.0.

BGR Event type ke.

OMAN Error ellipse: s-maj=2.0km s-min=1.4km az=337.0.

ISC	**VII**	**03 17 12 22.1–.75**	**14.16N–.06**	**56.77E–.06**	**9–4**	**4.8b**	**400**	**11-133**	
IDC	VII	03 17 12 20.7–.59	14.01N	56.72E	0	5.1L,4.3			**¶620733426**
BJI	VII	03 17 12 22.0	14.20N	56.80E	10	5.4b,5.1s			
NEIC	VII	03 17 12 22.6–1.4	14.28N–.09	56.74E–.10	10–1	5.1b,5.1s			
GCMT	VII	03 17 12 25.5–.20	14.27N–.01	56.66E–.02	19–0	5.2W,5.1s			
GFZ	VII	03 17 12 26.8–.32	14N–5.0	56E–4.0	10	5.4,4.8b			
BGR	VII	03 17 12 31.3	13.60N	54.77E	22–3	4.9b,4.8b			

ISC Event type ke.

IDC Error ellipse: s-maj=15.6km s-min=12.0km az=16.0.

NEIC Event type se. Error ellipse: s-maj=16.5km s-min=15.0km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107031712A. Moment Tensor Solution. s22,c27; s131,c220; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.08±.35 $M_{\theta\theta}$5.45±.21; $M_{\phi\phi}$1.62±.19; $M_{r\theta}$1.54±.34; $M_{\theta\phi}$-1.81±.10; $M_{\phi r}$1.19±.49; Best double couple: NP1:ϕ_s122.00000°,δ42.00000° ,λ-73.00000°. NP2:ϕ_s280.00000°,δ50.00000°,λ-105.00000°. Principal axes: T 6.2470,Plg4.0000°,Azm20.0000°; N 1.2300,Plg11.0000°,Azm289.0000° ; P -7.4860,Plg78.0000°,Azm132.0000° $M_0$6.86700×10^{16}

GFZ Error ellipse: s-maj=10.8km s-min=8.2km az=177.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

BGR Event type ke.

IDC	**VII**	**08 23 24 48.2–3.0**	**14.73N**	**55.85E**	**0**	**3.7b,3.7**			**¶620928207**

IDC Error ellipse: s-maj=72.2km s-min=30.3km az=11.0.

OMAN	**VII**	**19 23 58 11.1–1.1**	**17.89N**	**59.82E**	**10**	**3.6L**			**¶621741978**

OMAN Error ellipse: s-maj=18.5km s-min=7.9km az=72.0.

OMAN	**VIII**	**22 12 52 16.9–.12**	**16.30N**	**59.38E**	**10**	**4.1L,3.5b**			

¶621742253
OMAN Error ellipse: s-maj=2.2km s-min=1.1km az=314.0.
ISC IX 17 11 43 58.1–1.5 12.8N–.30 57.6E–.20 17 3.7b 10 40-83
IDC IX 17 11 43 55.2–1.4 12.76N 57.61E 0 3.7b,3.7 ¶621112957
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=24.9km az=34.0.
OMAN VIII 30 01 21 16.5–.14 16.05N 58.76E 10 3.6L
¶621742317
OMAN Error ellipse: s-maj=2.5km s-min=1.4km az=325.0.
ISC IX 01 02 52 31.2–1.0 15.98N–.09 53.40E–.06 10 4.2b,3.0s 54 2-79
NEIC IX 01 02 52 28.8–1.3 15.85N–.09 53.4E–.10 10–1 4.6b,3.0s ¶621080591
IDC IX 01 02 52 30.8–7.3 15.79N 53.17E 0 3.9b,3.9
OMAN IX 01 02 52 41.6–.09 16.53N 53.55E 10 3.4b,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=13.0km az=241.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=147.2km s-min=44.9km az=164.0.
OMAN Error ellipse: s-maj=1.9km s-min=1.2km az=348.0.
ISC IX 09 06 40 42.5–.56 12.96N–.08 57.55E–.06 17 4.5b,4.0s 175 5-94
OMAN IX 09 06 40 26.2–.67 11.82N 57.80E 10 4.5b,3.6s ¶621044118
IDC IX 09 06 40 38.0–1.1 12.73N 57.38E 0 4.1b,4.1
NEIC IX 09 06 40 42.1–1.2 13.0N–.10 57.56E–.10 10–1 4.6b,4.1
GFZ IX 09 06 40 43.1–.38 13N–6.0 57E–5.0 10 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
ISC VIII 26 02 13 40.2–.58 12.97N–.09 57.11E–.08 10 4.3b 35 12-83
IDC VIII 26 02 13 38.8–1.4 13.05N 57.24E 0 3.9b,3.9 ¶621058969
NEIC VIII 26 02 13 41.0–1.4 13.0N–.10 57.11E–.08 10–1 4.7b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN VIII 30 23 45 44.0–1.5 14.86N 58.07E 10 3.6b
¶621742318
OMAN Error ellipse: s-maj=14.5km s-min=8.3km az=1.0.
OMAN IX 06 12 22 59.6–.70 21.88N 61.59E 10 3.8b,3.4L
¶621742373
OMAN Error ellipse: s-maj=7.2km s-min=5.0km az=165.0.
ISC X 21 23 05 35.2–.68 14.35N–.10 56.19E–.09 18 4.2b,3.5s 59 11-99
IDC X 21 23 05 32.0–1.3 14.38N 56.17E 0 3.9b,3.9 ¶621237618
NEIC X 21 23 05 34.5–.93 14.3N–.10 56.12E–.04 10–1 4.4b,3.9
GFZ X 21 23 05 37.9–.55 15N–6.0 56E–8.0 10 5.6b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 29 06 43 45.4–3.0 14.6N–.50 55.0E–.30 14 3.6s,3.6b 6 12-127
IDC X 29 06 43 44.0–2.8 14.70N 55.03E 0 3.7b,3.7 ¶621391422
ISC Event type se.
IDC Error ellipse: s-maj=61.6km s-min=38.5km az=24.0.
ISC X 29 01 06 34.2–.84 14.80N–.09 54.92E–.09 10 3.9b,3.4s 43 3-127
IDC X 29 01 06 32.0–1.1 14.64N 55.00E 0 3.9b,3.9 ¶621391413
NEIC X 29 01 06 33.8–1.4 14.62N–.05 54.9E–.10 10–2 4.1b,3.9
OMAN X 29 01 06 51.8–2.0 15.52N 54.73E 30 3.3L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=20.9km az=36.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=7.8km az=277.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=15.3km s-min=12.9km az=152.0.
IDC X 29 07 37 00.3–3.9 14.17N 54.16E 0 3.6b,3.6
¶621391426
IDC Error ellipse: s-maj=101.5km s-min=38.4km az=82.0.
ISC X 29 07 38 54.8–.73 14.7N–.10 55.0E–.10 10 3.9b,3.5s 25 12-127
IDC X 29 07 38 53.0–.90 14.68N 55.10E 0 3.9b,3.9 ¶621391427
NEIC X 29 07 38 56.0–1.0 14.8N–.10 54.9E–.10 10–2 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 07 45 53.6–3.8 14.6N–.30 54.7E–.70 17 3.6b 6 40-86
IDC X 29 07 45 50.6–4.0 14.55N 54.68E 0 3.7b,3.7 ¶621391428
ISC Event type se.
IDC Error ellipse: s-maj=107.4km s-min=35.8km az=79.0.
ISC X 29 10 06 24.4–.45 14.79N–.05 54.89E–.05 10 4.5b,4.4s 161 3-127
IDC X 29 10 06 22.7–.67 14.71N 55.17E 0 4.6L,4.2s ¶621243481
NEIC X 29 10 06 24.6–.94 14.89N–.04 54.91E–.09 10–1 4.6b,4.2s
GCMT X 29 10 06 24.0–.20 14.81N–.01 54.93E–.02 12 4.9W,4.2s
GFZ X 29 10 06 26.1–.35 15N–5.0 55E–5.0 10 5.3b,4.7
OMAN X 29 10 06 26.7–.05 14.96N 54.75E 10 4.9,4.4s
GFZ X 29 10 06 26.1 14.82N 55.01E 18 4.9W,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=13.6km az=166.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.9km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110291006A. Moment Tensor Solution. s37,c46; s118,c179; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.70±.06 $M_{\theta\theta}$2.90±.05; $M_{\phi\phi}$-0.19±.06; $M_{r\theta}$1.28±.19; $M_{\theta\phi}$-0.39±.05; $M_{\phi r}$0.55±.24; Best double couple: NP1:ϕ_s111.00000°,δ35.00000°,λ-67.00000°. NP2:ϕ_s264.00000°,δ58.00000°,λ-105.00000°. Principal axes:
T 3.1990,Plg12.0000°,Azm5.0000°; N -0.0850,Plg13.0000°,Azm272.0000°
; P -3.1110,Plg72.0000°,Azm136.0000° $M_0$3.15500×10^{16}
GFZ Error ellipse: s-maj=13.3km s-min=8.5km az=133.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
OMAN Error ellipse: s-maj=1.3km s-min=0.9km az=312.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.12 $M_{\theta\theta}$2.40 $M_{\phi\phi}$0.72 $M_{r\theta}$0.74 $M_{\theta\phi}$-0.57 $M_{\phi r}$0.27 NP1:
ϕ_s113.45792°,δ39.17187°,λ-78.96920°. NP2:ϕ_s279.34348°,δ51.68542°,λ-98.86074°.
Principal axes: T 2.6434,Plg6.3036°,Azm15.6346°; N 0.5995,Plg6.9416°,Azm284.8640°
; P -3.2429,Plg80.6024°,Azm147.5041° $M_0$2.98863×10^{16}
ISC X 29 08 35 34.2–.75 14.8N–.10 55.0E–.10 10 4.1b,3.2s 29 12-86
IDC X 29 08 35 32.4–.93 14.69N 55.01E 0 4.0b,4.0 ¶621391430
NEIC X 29 08 35 35.4–.80 14.82N–.10 55.0E–.10 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 06 12 42.7–.52 14.68N–.08 55.05E–.06 14 4.3b,3.9s 88 10-127
IDC X 29 06 12 39.4–.87 14.62N 55.10E 0 4.0b,4.0 ¶621244112
GCMT X 29 06 12 41.9–.30 14.85N–.02 54.78E–.03 12 4.8W,4.0
NEIC X 29 06 12 42.8–1.2 14.64N–.08 55.02E–.10 10–1 4.6b,4.0
GFZ X 29 06 12 43.8 14.76N 55.03E 10 4.6W,4.0
GFZ X 29 06 12 43.8–.36 15N–5.0 55E–5.0 10 6.1b,5.8
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110290612A. Moment Tensor Solution. s17,c19; s96,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.58±.06 $M_{\theta\theta}$1.68±.05; $M_{\phi\phi}$-0.10±.06; $M_{r\theta}$0.98±.20; $M_{\theta\phi}$-0.40±.05; $M_{\phi r}$1.52±.27; Best double couple: NP1:ϕ_s124.00000°,δ39.00000°,λ-39.00000°. NP2:ϕ_s246.00000°,δ67.00000°,λ-122.00000°. Principal axes:
T 1.9540,Plg16.0000°,Azm359.0000°; N 0.8220,Plg29.0000°,Azm260.0000°
; P -2.7780,Plg56.0000°,Azm114.0000° $M_0$2.36600×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.11 $M_{\theta\theta}$0.85 $M_{\phi\phi}$0.26 $M_{r\theta}$0.25 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.02 NP1:
ϕ_s124.64308°,δ39.95481°,λ-79.85570°. NP2:ϕ_s291.50459°,δ50.79150°,λ-98.39356°.
Principal axes: T 1.1065,Plg5.4536°,Azm27.4561°; N 0.0409,Plg6.4944°,Azm296.8334°
; P -1.1475,Plg81.5043°,Azm157.1844° $M_0$1.12757×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC X 29 10 07 33.7–2.2 14.4N–.30 54.5E–.30 17 3.8b 8 16-86
IDC X 29 10 07 31.0–2.2 14.37N 54.49E 0 3.8b,3.8 ¶621391435
ISC Event type se.
IDC Error ellipse: s-maj=56.3km s-min=30.9km az=61.0.
ISC X 29 10 10 23.7–.58 14.50N–.09 54.85E–.09 14 4.1b 36 10-127
NEIC X 29 10 10 23.5–1.2 14.58N–.10 54.9E–.10 10–1 4.5b ¶621391436
IDC X 29 10 10 23.3–1.4 14.51N 54.89E 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=16.2km az=264.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.3km s-min=26.3km az=44.0.
OMAN XII 04 02 21 59.5–.12 17.67N 59.68E 35–16 3.6L,3.3b
¶621743530
OMAN Error ellipse: s-maj=4.2km s-min=1.0km az=311.0.
ISC XI 26 12 41 54.7–.82 14.8N–.10 54.7E–.10 10 4.1b,2.9s 28 12-86
IDC XI 26 12 41 53.6–1.3 14.66N 54.74E 0 3.8b,3.8 ¶621622000
NEIC XI 26 12 41 55.0–1.3 14.77N–.07 54.7E–.10 10–1 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 17 11 46.1–2.3 15.0N–.30 54.6E–.50 10 3.5b 8 34-86
IDC XI 26 17 11 44.5–2.0 15.00N 54.57E 0 3.7b,3.7 ¶621622018
ISC Event type se.
IDC Error ellipse: s-maj=61.1km s-min=29.6km az=66.0.
ISC XII 04 09 47 54.4–.79 13.7N–.10 57.3E–.10 10 4.0b,3.2s 24 11-83
IDC XII 04 09 47 53.0–.92 13.50N 57.42E 0 3.8b,3.8 ¶621630659
NEIC XII 04 09 47 55.1–1.1 13.7N–.10 57.39E–.07 10–1 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 01 17 29.0–1.1 13.6N–.20 57.5E–.20 10 3.8b 7 25-83
IDC XII 08 01 17 27.4–1.0 13.59N 57.55E 0 3.7b,3.7 ¶621634649
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=25.8km az=143.0.
OMAN XII 13 16 19 21.9–1.6 19.89N 60.87E 10 3.0L
¶621743653
OMAN Error ellipse: s-maj=13.4km s-min=8.9km az=92.0.
ISC XII 29 03 15 14.1–.65 14.00N–.07 57.21E–.07 10 4.0b,3.2s 60 4-84
IDC XII 29 03 15 11.7–.95 13.81N 57.31E 0 3.9b,3.9 ¶621656487
NEIC XII 29 03 15 14.5–1.5 14.0N–.10 57.2E–.10 10–1 4.2b,3.9
OMAN XII 29 03 15 18.3–.14 14.32N 57.27E 10 3.5b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=23.4km az=27.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=17.8km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=2.6km s-min=1.5km az=349.0.

(741) Indian Ocean Triple Junction.

IDC VII 07 22 07 27.3–41 26.58S 69.92E 0 3.5b,3.5
¶620928144
IDC Error ellipse: s-maj=1344.0km s-min=46.6km az=50.0.
IDC VIII 02 19 22 10.5–17 25.30S 67.76E 0 3.6b,3.6
¶620993258
IDC Error ellipse: s-maj=585.9km s-min=36.5km az=51.0.
ISC IX 15 07 54 16.4–.40 26.15S–.08 70.88E–.08 11 4.6b,4.0s 74 15-163
IDC IX 15 07 54 14.7–.48 26.14S 71.02E 0 4.4b,4.4 ¶621081281
NEIC IX 15 07 54 16.6–1.4 26.12S–.08 70.9E–.10 10–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 06 09 52 03.6–4.7 26.5S–.60 70.6E–.70 10 3.8b 6 19-81
IDC IX 06 09 52 01.6–4.5 26.49S 70.50E 0 3.8b,3.8 ¶621094247
ISC Event type se.
IDC Error ellipse: s-maj=130.8km s-min=34.4km az=52.0.
ISC XII 18 03 18 22.2–1.6 26.8S–.20 67.4E–.40 10 4.0b 6 20-82
IDC XII 18 03 18 20.5–1.7 26.76S 67.39E 0 3.9b,3.9 ¶621656968
ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=30.8km az=84.0.
ISC IX 21 18 24 19.2–.43 26.04S–.08 70.77E–.09 11 4.9b,4.2s 73 9-100
IDC IX 21 18 24 18.0–.61 26.04S 70.89E 0 4.3b,4.3 ¶621116042
NEIC IX 21 18 24 19.4–1.8 26.1S–.10 70.7E–.10 10–1 5.0b,4.3
GCMT IX 21 18 24 21.0–.20 26.12S–.02 70.77E–.02 12 4.9W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109211824A. Moment Tensor Solution. s37,c41; s114,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.97±.07 $M_{\theta\theta}$2.08±.07; $M_{\phi\phi}$0.89±.07; $M_{r\theta}$0.03±.25; $M_{\theta\phi}$-1.35±.06; $M_{\phi r}$1.01±.30; Best double couple: NP1:ϕ_s289.00000°,δ42.00000°,λ-112.00000°. NP2:ϕ_s138.00000°,δ52.00000°,λ-71.00000°. Principal axes:
T 3.0110,Plg5.0000°,Azm215.0000°; N 0.2360,Plg15.0000°,Azm306.0000°
; P -3.2430,Plg74.0000°,Azm105.0000° $M_0$3.12700×10^{16}
ISC XII 16 12 07 34.7–.63 25.3S–.10 69.7E–.10 21 4.4b 33 8-84
IDC XII 16 12 07 31.7–.98 25.28S 69.88E 0 4.1b,4.1 ¶621655776
NEIC XII 16 12 07 33.2–1.1 25.31S–.09 69.7E–.10 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 16 12 15 49.1–.74 25.4S–.10 69.9E–.10 21 4.2b,3.9s 28 8-143
IDC XII 16 12 15 45.8–1.2 25.29S 69.79E 0 4.0b,4.0 ¶621655777
NEIC XII 16 12 15 47.8–1.7 25.3S–.10 69.8E–.10 10–1 4.4b,4.0
GCMT XII 16 12 15 50.7–.40 25.09S–.05 69.74E–.03 18–1 4.8W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112161215A. Moment Tensor Solution. s8,c8; s72,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.98±.18 $M_{\theta\theta}$0.61±.10; $M_{\phi\phi}$1.37±.11; $M_{r\theta}$1.03±.34; $M_{\theta\phi}$-0.38±.06; $M_{\phi r}$0.67±.27; Best double couple: NP1:ϕ_s322.00000°,δ44.00000°,λ-122.00000°. NP2:ϕ_s183.00000°,δ54.00000°,λ-63.00000°. Principal axes:
T 1.5480,Plg6.0000°,Azm254.0000°; N 0.9410,Plg22.0000°,Azm346.0000°
; P -2.4870,Plg68.0000°,Azm150.0000° $M_0$2.01700×10^{16}

(742) Western Indian-Antarctic Ridge.

ISC VIII 11 21 49 43.2–.74 49.15S–.09 125.0E–.20 10 4.1b 18 16-145
NEIC VIII 11 21 49 42.9–1.5 49.18S–.06 125.1E–.30 10–1 4.4b ¶621009365
IDC VIII 11 21 49 43.4–1.3 49.10S 125.12E 0 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=7.9km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.8km s-min=24.6km az=85.0.
IDC VII 28 13 46 46.2–2.8 49.62S 126.17E 0 3.5b,3.5
¶620979619
IDC Error ellipse: s-maj=120.9km s-min=25.0km az=94.0.
ISC VIII 12 03 36 28.2–.59 48.83S–.08 124.0E–.20 10 4.3b 26 16-146
IDC VIII 12 03 36 27.3–.81 48.88S 124.34E 0 4.1,4.0b ¶621009376
NEIC VIII 12 03 36 28.4–1.5 48.84S–.04 124.0E–.30 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 12 23 18 42.4–.33 50.28S–.06 114.22E–.08 10 5.0b,4.6s 138 15-164
IDC VIII 12 23 18 41.1–.64 50.21S 114.35E 0 4.7b,4.7 ¶620984517
NEIC VIII 12 23 18 42.2–1.4 50.30S–.10 114.0E–.20 10–1 5.2b,4.7
GFZ VIII 12 23 18 42.1–.28 50S–3.0 114E–6.0 10 4.7b,4.7

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VIII 13 15 55 41.3–3.3 49.08S 127.32E 0 4.0b,4.0 ¶621012175
IDC Error ellipse: s-maj=86.9km s-min=48.6km az=141.0.
ISC VIII 14 17 12 25.5–1.4 51.6S–.10 139.1E–.70 10 3.8b 6 20-146
IDC VIII 14 17 12 24.2–1.6 51.58S 139.24E 0 3.7b,3.7 **¶621013527**
ISC Event type se.
IDC Error ellipse: s-maj=123.2km s-min=24.2km az=89.0.
IDC VIII 14 17 12 52.0–4.7 51.53S 139.21E 0 3.9b,3.9 ¶621013530
IDC Error ellipse: s-maj=204.8km s-min=44.4km az=104.0.
ISC VIII 14 17 14 45.7–.50 51.49S–.08 139.5E–.10 10 4.6b,4.4s 47 18-152
IDC VIII 14 17 14 45.4–.91 51.44S 138.77E 0 4.4s,4.3 **¶621013531**
NEIC VIII 14 17 14 46.3–1.2 51.6S–.10 139.5E–.30 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 17 44 13.7–.60 51.46S–.08 140.9E–.20 10 4.2b 26 19-153
IDC VIII 14 17 44 13.3–1.2 51.34S 140.98E 0 4.0L,3.9b **¶621013533**
NEIC VIII 14 17 44 13.8–2.7 51.6S–.10 140.8E–.10 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 14 17 47 12.2–.37 51.36S–.06 139.32E–.09 14 4.9b,4.6s 150 10-152
NEIC VIII 14 17 47 09.2–1.4 51.57S–.09 139.6E–.20 10–1 5.0b,4.6s **¶620986731**
BJI VIII 14 17 47 10.6 51.40S 139.20E 10 5.3b,4.9s
GFZ VIII 14 17 47 11.9–.23 51S–3.0 139E–5.0 10 4.5b,4.5
IDC VIII 14 17 47 11.6–.60 51.55S 139.13E 0 4.6s,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=14.4km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=40.1km s-min=16.0km az=89.0.
IDC VIII 19 11 38 05.9–4.0 49.73S 126.57E 0 4.1b,4.1 ¶621039183
IDC Error ellipse: s-maj=119.7km s-min=69.3km az=103.0.
ISC VIII 14 18 41 30.5–.47 51.47S–.08 139.8E–.10 10 4.4s,4.2b 77 17-152
IDC VIII 14 18 41 30.5–.91 51.48S 139.83E 0 4.4s,4.2b **¶621013540**
NEIC VIII 14 18 41 30.9–1.4 51.5S–.10 139.8E–.20 10–1 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 13 11 41 13.0–1.4 51.20S 137.90E 0 3.5L,3.4b ¶621109707
IDC Error ellipse: s-maj=162.8km s-min=24.1km az=88.0.
IDC VIII 19 16 49 31.3–6.0 50.47S 116.43E 0 4.0,3.9b ¶621039204
IDC Error ellipse: s-maj=121.7km s-min=60.2km az=169.0.
IDC IX 15 20 03 19.1–5.4 50.02S 114.33E 0 3.7b,3.7 ¶621112008
IDC Error ellipse: s-maj=324.9km s-min=69.7km az=115.0.
ISC IX 17 04 40 35.0–1.4 50.1S–.20 114.6E–.40 17 3.8s,3.7b 6 15-145
IDC IX 17 04 40 32.5–1.6 50.15S 114.63E 0 3.8s,3.7b **¶621112932**
ISC Event type se.
IDC Error ellipse: s-maj=72.3km s-min=21.4km az=112.0.
ISC IX 18 15 47 20.4–.50 50.14S–.06 119.9E–.10 10 4.5b,4.2s 79 16-150
IDC IX 18 15 47 18.6–.78 50.11S 119.91E 0 4.3b,4.3 **¶621082989**
GFZ IX 18 15 47 20.8–.21 50S–3.0 120E–5.0 10 6.2b,5.9
NEIC IX 18 15 47 20.5–1.8 50.1S–.10 120.0E–.10 10–1 4.5b,5.9
GCMT IX 18 15 47 23.5–.20 50.02S–.01 119.86E–.04 12 5.0W,5.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109181547A. Moment Tensor Solution. s34,c39; s95,c138; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.79±.09 $M_{\theta\theta}$2.45±.06; $M_{\phi\phi}$0.34±.10; $M_{r\theta}$1.37±.27; $M_{\theta\phi}$-0.78±.07; $M_{\phi r}$1.44±.33; Best double couple: NP1:ϕ_s128.00000°,δ40.00000°,λ-52.00000°. NP2:ϕ_s262.00000°,δ60.00000°,λ-117.00000°. Principal axes: T 2.8680,Plg11.0000°,Azm11.0000°; N 0.8790,Plg23.0000°,Azm277.0000°; P -3.7450,Plg64.0000°,Azm124.0000° $M_0$3.30600×10^{16}
ISC X 31 10 13 37.6–1.1 51.4S–.10 138.1E–.80 10 3.9b,3.5s 6 20-145
IDC X 31 10 13 36.0–1.1 51.44S 137.90E 0 4.0b,4.0 **¶621395241**
ISC Event type se.
IDC Error ellipse: s-maj=138.8km s-min=19.1km az=86.0.
ISC IX 30 04 44 26.0–.66 49.42S–.08 115.3E–.10 10 4.2b,3.2s 22 15-107
NEIC IX 30 04 44 26.2–1.3 49.47S–.10 115.2E–.20 10–1 4.5b,3.2s **¶621147740**
IDC IX 30 04 44 27.2–1.3 49.67S 116.45E 0 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=16.9km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.3km s-min=21.1km az=93.0.
IDC X 03 01 14 14.3–5.4 49.04S 122.52E 0 4.0s,3.8b ¶621186100
IDC Error ellipse: s-maj=260.0km s-min=27.7km az=94.0.
ISC X 08 05 38 46.4–.65 49.05S–.08 124.8E–.20 10 4.4b,3.6s 26 16-112
IDC X 08 05 38 45.0–.86 49.05S 124.94E 0 4.2b,4.2 **¶621143956**
NEIC X 08 05 38 46.4–.54 49.1S–.10 124.8E–.30 10–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 30 09 02 21.4–.52 51.39S–.07 139.31E–.10 14 4.3b 49 10-146
IDC X 30 09 02 19.5–.77 51.36S 139.27E 0 4.2b,4.2 **¶621395162**
NEIC X 30 09 02 21.0–.87 51.41S–.05 139.3E–.20 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 30 09 03 23.8–.24 51.48S–.03 139.33E–.04 14 5.7s,5.2b 621 10-160
IDC X 30 09 03 21.7–.45 51.29S 139.43E 0 5.8s,4.8b **¶621244405**
BJI X 30 09 03 21.7 51.43S 139.05E 9 5.7s,5.7b
NEIC X 30 09 03 22.8 51.43S 139.07E 10 5.7s,5.7b
IPGP X 30 09 03 22.0 51.44S 139.11E 8 5.9W,5.7b
ISC-P X 30 09 03 22 51.43S 139.10E 14–0 6.1,5.7b
NEIC X 30 09 03 22.6–1.1 51.43S–.09 139.10E–.06 10–1 5.8,5.7
NEIC X 30 09 03 22.6 51.43S 139.10E 10 5.8,5.7
MOS X 30 09 03 22.3–1.5 51.30S 139.37E 10 5.5s,5.4b
NEIC X 30 09 03 23 51.53S 138.78E 12 5.7,5.4b
GFZ X 30 09 03 24.7 51.39S 139.04E 13 5.8W,5.4b
GFZ X 30 09 03 24.7–.14 51S–2.0 139E–3.0 10 5.8b,5.7
GCMT X 30 09 03 26.9–.10 51.31S 139.37E 12 5.9W,5.7
PTWC X 30 09 03 27 51.40S 139.20E 35 6.0,5.7
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=8.5km az=87.0.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s269.00000°,δ89.00000°,λ163.00000°. NP2:ϕ_s359.00000°,δ73.00000°,λ1.00000°.
ISC-P Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}0.25±.16 $M_{\theta\theta}$0.07±.21; $M_{\phi\phi}$-0.29±.17; $M_{r\theta}$0.10±.15; $M_{\theta\phi}$-0.54±.14; $M_{\phi r}$-0.34±.17; NP1:ϕ_s176.30000°,δ78.00000°,λ58.40000°. NP2:ϕ_s67.60000°,δ33.60000°,λ157.90000°. $M_0$1.53000×10^{18}
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=5.0km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32 $M_{\theta\theta}$1.37 $M_{\phi\phi}$-0.05 $M_{r\theta}$1.74 $M_{\theta\phi}$-5.14 $M_{\phi r}$-1.83 NP1:ϕ_s176.86000°,δ81.40000°,λ16.27000°. NP2:ϕ_s84.36000°,δ73.91000°,λ171.05000°. Principal axes: T 6.6405,Plg18.0000°,Azm41.0000°; N -2.0958,Plg72.0000°,Azm204.0000°; P -4.5448,Plg5.0000°,Azm310.0000° $M_0$5.88000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=23.9km s-min=7.6km az=87.6.
NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.48 $M_{\theta\theta}$1.34 $M_{\phi\phi}$0.14 $M_{r\theta}$0.34 $M_{\theta\phi}$-4.70 $M_{\phi r}$-1.35 NP1:ϕ_s86.63000°,δ71.60000°,λ-174.58000°. NP2:ϕ_s354.91000°,δ84.86000°,λ-18.48000°. Principal axes: T 5.6585,Plg9.0000°,Azm42.0000°; N -1.4258,Plg71.0000°,Azm160.0000°; P -4.2327,Plg17.0000°,Azm309.0000° $M_0$5.10000×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07 $M_{\theta\theta}$0.91 $M_{\phi\phi}$0.15 $M_{r\theta}$0.13 $M_{\theta\phi}$-6.89 $M_{\phi r}$-0.60 NP1: ϕ_s358.38950°,δ89.72890°,λ-5.08343°. NP2:ϕ_s88.41362°,δ84.91663°,λ-179.72783°. Principal axes: T 7.4656,Plg3.4001°,Azm43.5141°; N -1.0723,Plg84.9094°,Azm175.3448°; P -6.3932,Plg3.7842°,Azm313.2889° $M_0$6.99134×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110300903A. Moment Tensor Solution. s158,c330; s165,c351;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71±.05 $M_{\theta\theta}$1.07±.05; $M_{\phi\phi}$-0.35±.05; $M_{r\theta}$-1.45±.12; $M_{\theta\phi}$-7.79±.04; $M_{\phi r}$-0.38±.12; Best double couple: NP1: ϕ_s357.00000°,δ79.00000°,λ-4.00000°. NP2:ϕ_s88.00000°,δ86.00000°,λ-169.00000°. Principal axes: T 8.2540,Plg5.0000°,Azm222.0000°; N -0.5570,Plg78.0000°,Azm105.0000°; P -7.6940,Plg10.0000°,Azm313.0000° $M_0$7.97400×10^{17}
ISC X 30 09 12 57.4–.72 51.22S–.08 139.8E–.20 10 4.1b 20 14-146
IDC X 30 09 12 56.4–1.5 51.19S 139.76E 0 3.9b,3.9 **¶621395164**
NEIC X 30 09 12 57.6–.81 51.26S–.04 139.8E–.40 10–2 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 25 09 04 16.1–.53 49.30S–.09 114.5E–.10 10 4.2b,3.7s 31 14-149
IDC IX 25 09 04 16.7–1.0 49.45S 114.05E 0 4.0b,4.0 **¶621131448**
NEIC IX 25 09 04 16.4–.74 49.33S–.09 114.4E–.20 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 08 09 27 58.2–.42 49.01S–.06 124.6E–.10 10 4.6b,4.0s 79 16-148
IDC X 08 09 27 57.1–.59 48.99S 124.85E 0 4.5b,4.5 **¶621134202**
NEIC X 08 09 27 58.2–.45 49.09S–.10 124.8E–.20 10–1 4.6b,4.5
GCMT X 08 09 28 00.0–.30 49.01S–.02 124.81E–.06 18–1 4.8W,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110080927A. Moment Tensor Solution. s19,c20; s74,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.30±.17 $M_{\theta\theta}$2.03±.11; $M_{\phi\phi}$0.27±.10; $M_{r\theta}$0.09±.23; $M_{\theta\phi}$-0.67±.06; $M_{\phi r}$0.54±.33; Best double couple: NP1:ϕ_s276.00000°,δ45.00000°,λ-108.00000°. NP2:ϕ_s121.00000°,δ47.00000°,λ-73.00000°. Principal axes: T 2.2550,Plg1.0000°,Azm199.0000°; N 0.1660,Plg12.0000°,Azm289.0000°; P -2.4210,Plg78.0000°,Azm104.0000° $M_0$2.33800×10^{16}
ISC X 30 06 39 03.9–.63 51.37S–.08 139.0E–.20 10 4.1b,3.2s 23 15-152
NEIC X 30 06 39 03.6–1.4 51.4S–.10 139.2E–.20 10–2 4.1b,3.2s **¶621395155**
IDC X 30 06 39 03.4–.83 51.30S 138.18E 0 4.1b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=14.8km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.2km s-min=18.1km az=85.0.
ISC XI 09 07 03 45.2–.37 49.53S–.05 125.87E–.08 10 4.7b 143 16-149
IDC XI 09 07 03 44.5–.69 49.55S 126.00E 0 4.8s,4.6b **¶621385111**
GFZ XI 09 07 03 45.4–.18 49S–3.0 126E–3.0 10 6.1,6.1
NEIC XI 09 07 03 45.2–1.3 49.58S–.09 125.9E–.20 10–1 4.6b,6.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 08 04 26 45.5–.87 49.91S–.09 116.2E–.20 10 4.2b,3.6s 22 15-150
NEIC XI 08 04 26 45.4–1.2 49.93S–.09 116.0E–.30 10–1 4.2b,3.6s **¶621423072**
IDC XI 08 04 26 47.5–2.1 49.95S 117.55E 0 4.2,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=9.0km az=292.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.3km s-min=24.9km az=95.0.
ISC XI 19 16 53 59.0–1.8 47.8S–.20 118.4E–.50 10 3.6b,3.1s 9 13-147
IDC XI 19 16 53 57.9–1.7 47.83S 118.48E 0 3.8b,3.8 **¶621590301**
ISC Event type se.
IDC Error ellipse: s-maj=75.2km s-min=21.3km az=105.0.
ISC XI 23 18 42 13.3–.43 49.18S–.06 126.17E–.09 10 4.5b,3.4s 67 15-149
IDC XI 23 18 42 12.4–.80 49.15S 126.52E 0 4.5,4.4b **¶621449588**
GFZ XI 23 18 42 13.8–.28 49S–4.0 126E–6.0 10 6.2b,5.9
NEIC XI 23 18 42 13.6–.98 49.17S–.10 126.2E–.20 10–1 4.5b,5.9
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 19 19 09 15.5–3.8 48.09S 119.02E 0 3.6,3.5b ¶621590308
IDC Error ellipse: s-maj=127.7km s-min=67.9km az=135.0.
ISC XI 23 19 56 34.1–.72 49.08S–.09 121.0E–.20 10 4.0b,3.3s 20 15-72
NEIC XI 23 19 56 34.2–1.4 49.16S–.09 121.0E–.20 10–1 4.4b,3.3s **¶621611977**
IDC XI 23 19 56 34.2–1.8 49.07S 121.28E 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=9.2km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=106.5km s-min=21.8km az=111.0.
ISC XII 05 21 15 43.9–.53 50.29S–.08 115.4E–.10 10 4.3b,3.6s 32 15-151
IDC XII 05 21 15 43.3–.86 50.38S 115.85E 0 4.1b,4.0 **¶621631273**
NEIC XII 05 21 15 44.2–1.2 50.32S–.03 115.4E–.20 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 03 15 04 18.6–.73 48.5S–.10 124.1E–.10 10 4.4b,3.6s 25 15-145
IDC XII 03 15 04 17.8–2.8 48.56S 123.82E 0 3.8b,3.8 **¶621630601**
NEIC XII 03 15 04 18.2–2.1 48.6S–.10 124.11E–.07 10–1 4.6b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 05 21 37 14.2–.68 50.0S–.10 114.0E–.20 15 4.2b,4.1s 20 15-151
IDC XII 05 21 37 12.4–.76 49.91S 113.93E 0 4.3b,4.3 **¶621631274**
GCMT XII 05 21 37 12.0 50.25S 113.75E 10 5.0s,4.3
GCMT XII 05 21 37 16.9–.30 50.09S–.02 114.16E–.04 12 4.8W,4.3
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202112052137A. Moment Tensor Solution. s12,c12; s90,c124;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.79±.09 $M_{\theta\theta}$2.34±.07; $M_{\phi\phi}$-1.55±.10; $M_{r\theta}$0.12±.29; $M_{\theta\phi}$1.01±.08; $M_{\phi r}$-0.23±.28; Best double couple: NP1:ϕ_s32.00000°,δ80.00000°,λ-171.00000°. NP2:ϕ_s300.00000°,δ81.00000°,λ-10.00000°. Principal axes: T 2.5880,Plg1.0000°,Azm346.0000°; N -0.7310,Plg77.0000°,Azm81.0000°; P -1.8560,Plg13.0000°,Azm256.0000° $M_0$2.22200×10^{16}
ISC XII 05 21 45 43.9–.93 49.8S–.10 114.5E–.30 17 4.0b 10 15-151
IDC XII 05 21 45 41.5–.96 49.85S 114.60E 0 4.1b,4.1 **¶621631275**
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=16.9km az=104.0.
ISC XII 06 14 35 03.0–.63 48.71S–.10 120.6E–.10 10 4.1b,3.4s 20 15-147
IDC XII 06 14 35 02.1–2.3 48.70S 120.67E 0 3.8b,3.8 **¶621632601**
NEIC XII 06 14 35 03.2–.52 48.8S–.10 120.7E–.20 10–1 4.5b,3.8
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 18 22 36 59.7–3.4 50.06S 117.17E 0 4.0,3.8b
¶621657039
IDC Error ellipse: s-maj=84.0km s-min=60.2km az=102.0.
ISC XII 11 16 48 07.3–.36 50.08S–.06 127.67E–.08 10 4.7b 114 15-145
GFZ XII 11 16 48 07.3–.20 50S–3.0 128E–5.0 10 7.4,7.4b **¶621627522**
IDC XII 11 16 48 07.3–.79 50.07S 127.04E 0 4.4b,4.4
NEIC XII 11 16 48 07.1–2.1 50.14S–.03 127.6E–.10 10–1 4.7b,4.4
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 18 49 13.9–.52 49.08S–.08 121.5E–.10 13 4.4b,4.2s 40 15-147
IDC XII 15 18 49 12.2–.72 49.12S 121.70E 0 4.3b,4.3 **¶621654133**
NEIC XII 15 18 49 13.9–1.2 49.1S–.10 121.4E–.20 10–1 4.6b,4.3
GCMT XII 15 18 49 17.4–.10 49.11S–.01 121.62E–.01 15–0 5.2W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112151849A. Moment Tensor Solution. s61,c89; s125,c213; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.74±.13 $M_{\theta\theta}$-2.18±.12; $M_{\phi\phi}$2.93±.14; $M_{r\theta}$-2.59±.43; $M_{\theta\phi}$-6.25±.10; $M_{\phi r}$1.75±.38; Best double couple: NP1:ϕ_s13.00000°,δ68.00000° ,λ4.00000°. NP2:ϕ_s281.00000°,δ86.00000°,λ158.00000°. Principal axes: T 8.0870,Plg18.0000°,Azm235.0000°; N -1.4440,Plg68.0000°,Azm91.0000° ; P -6.6380,Plg13.0000°,Azm329.0000° $M_0$7.36300×10^{16}
IDC XII 19 10 27 59.5–2.9 48.97S 124.84E 0 4.0,3.9b
¶621657071
IDC Error ellipse: s-maj=62.8km s-min=49.5km az=175.0.
ISC XII 18 20 43 56.4–1.2 52.2S–.10 114.4E–.40 10 4.0b 6 17-152
IDC XII 18 20 43 54.8–1.2 52.16S 114.30E 0 4.0b,4.0 **¶621657032**
ISC Event type se.
IDC Error ellipse: s-maj=55.4km s-min=20.3km az=96.0.
IDC XII 20 19 03 18.8–7.9 49.02S 121.20E 0 3.5b,3.5
¶621685636
IDC Error ellipse: s-maj=723.9km s-min=75.2km az=107.0.
ISC XII 19 12 14 21.7–3.3 49.8S–.50 116.5E–.30 10 3.9b 6 15-150
IDC XII 19 12 14 20.5–3.1 49.77S 116.50E 0 3.9b,3.9 **¶621657079**
ISC Event type se.
IDC Error ellipse: s-maj=72.9km s-min=46.6km az=169.0.
ISC XII 27 12 27 55.3–.47 49.70S–.07 125.8E–.10 10 4.4b,4.0s 42 16-153
IDC XII 27 12 27 54.4–.74 49.76S 125.84E 0 4.2,4.1b **¶621717313**
NEIC XII 27 12 27 55.3–1.5 49.72S–.09 125.8E–.20 10–1 4.6b,4.1b
GCMT XII 27 12 27 56.9–.30 49.70S–.02 125.30E–.05 21–1 5.0W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112271228A. Moment Tensor Solution. s15,c17; s78,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.37±.25 $M_{\theta\theta}$2.81±.17; $M_{\phi\phi}$-0.44±.16; $M_{r\theta}$0.74±.23; $M_{\theta\phi}$-0.55±.10; $M_{\phi r}$2.67±.34; Best double couple: NP1:ϕ_s127.00000°,δ50.00000° ,λ-41.00000°. NP2:ϕ_s247.00000°,δ60.00000°,λ-132.00000°. Principal axes: T 2.9280,Plg5.0000°,Azm5.0000°; N 1.4310,Plg35.0000°,Azm271.0000° ; P -4.3630,Plg54.0000°,Azm103.0000° $M_0$3.64600×10^{16}
IDC XII 22 00 02 10.4–8.1 50.09S 120.29E 0 3.6s,3.4b
¶621686732
IDC Error ellipse: s-maj=794.0km s-min=74.2km az=108.0.
ISC XII 21 01 47 50.3–.69 48.6S–.10 121.4E–.10 10 4.6b,3.5s 28 15-147
IDC XII 21 01 47 49.6–3.1 48.71S 121.79E 0 4.1,3.9b **¶621685654**
NEIC XII 21 01 47 50.8–1.9 48.61S–.09 121.3E–.10 10–1 4.8b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SEISMIC REGION 34.
Eastern North America.

(438) Saskatchewan.

IDC IX 25 06 00 36.6–1.3 50.74N 102.03W 0 3.6L,3.5
¶621131436
IDC Error ellipse: s-maj=18.3km s-min=11.4km az=164.0.

(439) Manitoba.

ISC VIII 11 04 34 28.9–.44 50.63N–.05 101.69W–.05 10 4.0b 134 3-83
IDC VIII 11 04 34 29.0–.65 50.69N 101.61W 0 4.0L,3.8 **¶620980015**
NEIC VIII 11 04 34 30.9–1.9 50.63N–.06 101.68W–.10 10–2 4.0b,3.8
GFZ VIII 11 04 34 30.4–.36 51N–4.0 102W–3.0 10 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(440) Hudson Bay.

ISC VII 16 17 57 01.7–.80 61.51N–.05 80.92W–.06 10 28 5-17
OTT VII 16 17 57 05.8–.25 61.65N 80.71W 18 3.7 **¶620928725**
IDC VII 16 17 57 05.0–1.4 61.57N 80.80W 0 4.0,3.1L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 165km northwest from Akulivik, Qc Boothia Ungava Seismic Zone.
IDC Error ellipse: s-maj=21.0km s-min=13.7km az=39.0.

(442) Hudson Strait region.

OTT XII 23 13 57 15.9–.79 61.40N 70.50W 18 3.8,3.5
¶626196567
OTT Event type ke. Error ellipse: s-maj=539.3km s-min=442.3km az=-1.0. 63km northwest of Quaqtaq, Qc.

(443) Northern Quebec.

IDC X 25 16 09 09.8–2.5 52.98N 67.33W 0 4.1,3.8L
¶621366440
IDC Error ellipse: s-maj=82.5km s-min=16.2km az=104.0.

(444) Davis Strait.

ISC VII 05 09 32 01.1–.66 60.96N–.05 59.16W–.06 10 3.2b 35 5-142
IDC VII 05 09 32 02.9–1.2 61.02N 59.43W 0 3.5,3.3b **¶620927952**
OTT VII 05 09 32 03.3–.37 61.10N 59.45W 18 3.2L,3.3b
DNK VII 05 09 32 05.1–3.5 60.90N 59.15W 36–22 2.4L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=13.0km az=118.0.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. 293km east from Resolution Island, Nu LAlbertaRADOR Sea Seismic Zone.
DNK Event type se. Error ellipse: s-maj=11.3km s-min=14.2km az=-1.0. Presumed earthquake.
ISC XI 07 18 03 12.8–.86 60.74N–.06 58.25W–.08 10 26 5-13
OTT XI 07 18 03 19.2–.23 60.82N 58.48W 18 3.8,3.7 **¶625078654**
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=331.4km s-min=171.9km az=-1.0. 511km southwest of Nuuk, Gl.

(446) Labrador Sea.

OTT VIII 03 06 13 49.2–.59 56.92N 56.29W 18 3.9L
¶624606494
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0. 263km northeast from Aillik, Nl LAlbertaRADOR Sea Seismic Zone.
OTT X 31 00 12 09.3–.58 58.76N 60.73W 18 4.2,3.2
¶626196370
OTT Event type ke. Error ellipse: s-maj=399.2km s-min=227.2km az=-1.0. 254km Nne of Nain, Nl.
OTT XI 19 05 01 25.1–.52 57.72N 52.49W 18 3.8,3.0
¶625078702
OTT Event type ke. Error ellipse: s-maj=1142.0km s-min=379.4km az=-1.0. 496km southwest of Qaqortoq, Gl.

(447) Southern Quebec.

ISC VIII 27 15 49 30.0–1.1 46.73N–.03 76.55W–.03 25–12 86 0-11
NEIC VIII 27 15 49 29.3–1.3 46.85N–.05 76.50W–.07 14–7 3.8,3.7L **¶621009657**
NEIC VIII 27 15 49 29 46.83N 76.52W 16 3.3,3.7L
OTT VIII 27 15 49 30.4–.06 46.72N 76.55W 18 3.8,3.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$9.44000×10^{13}
OTT Event type fe. 58km northwest from Maniwaki, Qc. Felt Western Quebec Seismic Zone. Felt in Maniwaki region, Qc.

(456) Montana.

ISC VII 06 11 44 42.3–3.2 46.36N–.04 107.70W–.04 16–25 77 1-17
NEIC VII 06 11 44 40.6–.92 46.37N–.03 107.75W–.04 10–2 3.9L,3.6L **¶620754149**
BUT VII 06 11 44 41.5–1.1 46.41N–.03 107.79W–.03 5–2 3.9L,3.6L
IDC VII 06 11 44 41.1–1.3 46.37N 107.72W 0 3.5,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.0km az=331.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=335.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=12.0km az=130.0.
ISC X 29 09 19 23.8–.88 46.08N–.02 112.20W–.02 18–7 167 0-17
NEIC X 29 09 19 22.7–1.6 46.084N–.01 112.10W–.03 10–2 3.7L,3.4L **¶621243479**
IDC X 29 09 19 23.1–1.1 45.98N 112.37W 0 3.1L,3.0
BUT X 29 09 19 24.4–2.0 46.07N–.02 112.20W–.03 11–7 3.1L,3.0
PGC X 29 09 19 25.7–.18 46.11N 112.25W 10 4.1L,3.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=3.0km az=270.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.6km s-min=10.2km az=79.0.
BUT Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=58.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. 38km northeast of Butte, Mt Montana.

(457) Eastern Idaho.

ISC XI 30 19 37 34.6–1.1 45.00N–.02 112.99W–.02 7–10 135 0-18
IDC XI 30 19 37 33.7–1.2 44.91N 113.06W 0 3.4,3.1L **¶621532887**
NEIC XI 30 19 37 34.8–1.3 44.99N–.01 113.07W–.01 12–8 3.6L,3.3L
BUT XI 30 19 37 35.3–1.4 45.00N–.01 113.04W–.03 7–5 3.6L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.
ISC X 21 02 38 50.3–1.1 42.56N–.02 111.18W–.03 8–10 65 0-15
NEIC X 21 02 38 50.2–1.6 42.54N–.01 111.18W–.03 5–1 3.4L,3.4L **¶621229647**
UUSS X 21 02 38 51.1–1.5 42.54N–.01 111.19W–.03 7–3 3.4L,3.4L
IDC X 21 02 38 52.2–1.1 42.37N 111.06W 0 3.0,2.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.8km az=290.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. Error ellipse: s-maj=2.8km s-min=1.7km az=111.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.2km s-min=9.7km az=161.0.

(459) Yellowstone region.

NEIC VII 16 16 01 10.7–.81 44.45N–.03 110.37W–.02 4–8 2.7L,2.3L
UUSS VII 16 16 01 09.6–1.1 44.46N–.02 110.36W–.02 7–6 2.7L,2.3L **¶620832586**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. hypocenter. manual.
ISC VII 17 00 45 36.3–.82 44.44N–.02 110.33W–.02 8–5 87 0-29
UUSS VII 17 00 45 35.1–1.3 44.46N–.03 110.34W–.04 6–4 **¶620833031**
NEIC VII 17 00 45 36.1–1.3 44.47N–.03 110.36W–.04 5–5 3.6L,3.3L
IDC VII 17 00 45 36.9–1.3 44.38N 110.42W 0 3.4b,3.4
ISC Event type se.
UUSS Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=53.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.4km s-min=11.4km az=57.0.
NEIC IX 04 05 51 31.0–.68 44.67N–.01 110.45W–.01 5–1 2.6L,2.5L
UUSS IX 04 05 51 29.6–.96 44.654N–.01 110.43W–.01 5–3 2.6L,2.5L **¶626692495**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. hypocenter. manual.
ISC IX 08 17 01 32.7–.93 44.21N–.02 110.83W–.03 5–8 68 0-29
IDC IX 08 17 01 31.9–2.0 44.40N 110.43W 0 3.4b,3.1L **¶621043300**
UUSS IX 08 17 01 31.9–.72 44.237N–.01 110.79W–.02 5–1 3.4b,3.1L
NEIC IX 08 17 01 33.1–.54 44.243N–.01 110.78W–.02 3–1 3.2L,3.0L
ISC Event type se.
UUSS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(460) Wyoming.

ISC VII 04 21 17 43.4–.72 43.45N–.05 107.25W–.05 10 4.1b 90 1-90
NEIC VII 04 21 17 42.4–1.5 43.65N–.03 107.38W–.03 17–8 4.2L,4.1L **¶620733774**
NEIC VII 04 21 17 43.6 43.62N 107.40W 15 4.2L,4.1L
IDC VII 04 21 17 43.0–1.2 43.54N 107.35W 0 3.9b,3.8
BUT VII 04 21 17 46.5–3.2 43.58N–.04 107.34W–.06 21–8 3.9b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-2.98 $M_{\theta\theta}$2.73 $M_{\phi\phi}$0.24 $M_{r\theta}$-0.53 $M_{\theta\phi}$-0.94 $M_{\phi r}$-0.55 NP1:ϕ_s96.16000°,δ49.43000°,λ-106.53000°. NP2:ϕ_s300.68000° ,δ43.26000°,λ-71.62000°. Principal axes: T 3.0633,Plg3.0000°,Azm198.0000° ; N 0.0820,Plg12.0000°,Azm107.0000°; P -3.1453,Plg77.0000°,Azm302.0000° $M_0$3.11000×10^{14}
NEIC Event type se.
BUT Event type se. hypocenter. manual.
ISC VIII 02 03 50 45.5–.60 43.03N–.05 105.85W–.05 10 91 1-32
NEIC VIII 02 03 50 46.0–2.2 43.00N–.03 105.93W–.03 10–7 4.4L,3.8b **¶620925866**
IDC VIII 02 03 50 45.8–1.3 43.16N 106.25W 0 3.2,2.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=2.5km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=11.7km az=148.0.
ISC VIII 24 08 16 05.8–.81 42.98N–.02 109.48W–.04 10 48 0-12
NEIC VIII 24 08 16 05.6–1.6 42.95N–.01 109.48W–.04 5–1 3.1L **¶621003184**
IDC VIII 24 08 16 06.3–1.8 42.91N 109.45W 0 3.6,2.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.9km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.4km s-min=3.0km az=28.0.
NEIC X 09 22 48 14.0–.76 43.78N–.02 110.92W–.06 11–10 2.6L,2.4L
BUT X 09 22 48 13.1–.89 43.79N–.02 110.92W–.05 11–7 2.6L,2.4L **¶626091003**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

(462) South Dakota.

IDC VII 21 15 42 56.1–833 45.73N 103.23W 0

¶620961667

IDC Error ellipse: s-maj=360.4km s-min=169.4km az=101.0.

(464) Minnesota.

IDC VII 09 16 07 42.3–5.7 47.45N 93.55W 0 2.2,0.8L
¶620928272

IDC Error ellipse: s-maj=77.1km s-min=39.0km az=63.0.
IDC VII 15 17 41 56.6–4.6 47.73N 92.86W 0 2.7,0.7L
¶620928652

IDC Error ellipse: s-maj=44.0km s-min=23.3km az=96.0.
IDC VII 30 16 14 45.2–5.7 47.95N 92.24W 0 2.3,0.8L
¶620986076

IDC Error ellipse: s-maj=81.9km s-min=39.3km az=46.0.
IDC VII 27 17 19 02.9–5.8 47.83N 92.43W 0 2.3,0.6L
¶620978971

IDC Error ellipse: s-maj=74.5km s-min=39.7km az=49.0.
IDC VIII 24 17 10 48.6–4.6 47.68N 92.39W 0 2.8,0.5L
¶621049341

IDC Error ellipse: s-maj=42.6km s-min=24.3km az=92.0.
IDC VIII 19 15 29 14.6–4.7 47.78N 92.09W 0 3.0,0.8L
¶621039203

IDC Error ellipse: s-maj=74.7km s-min=34.4km az=42.0.
IDC IX 22 17 20 42.5–4.6 47.48N 92.91W 0 2.7,0.8L
¶621118165

IDC Error ellipse: s-maj=43.6km s-min=23.4km az=97.0.
IDC IX 30 17 22 36.8–4.5 47.81N 93.43W 0 2.9,0.7L
¶621147775

IDC Error ellipse: s-maj=44.6km s-min=20.5km az=96.0.
IDC X 14 17 29 44.3–3.5 47.42N 93.44W 0 2.6,0.6L
¶621240652

IDC Error ellipse: s-maj=62.7km s-min=19.4km az=77.0.
IDC XI 05 17 08 47.6–3.5 47.59N 92.97W 0 2.9,2.6b
¶621413981

IDC Error ellipse: s-maj=41.6km s-min=17.2km az=83.0.
IDC XII 09 18 22 16.5–4.8 47.42N 93.26W 0 2.5,0.7L
¶621636589

IDC Error ellipse: s-maj=102.2km s-min=20.9km az=76.0.

(474) Vermont-New Hampshire region.

NEIC XI 09 03 00 00.5–1.1 43.93N–.02 71.22W–.01 7–1 2.0L
¶622506190

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(478) Utah.

NEIC VIII 20 06 48 03.3–.79 38.60N–.02 112.18W–.02 13–10 2.8L,2.6L
UUSS VIII 20 06 48 03.5–.77 38.59N–.02 112.19W–.02 8–8 2.8L,2.6L **¶620998936**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. hypocenter. manual.
ISC XII 21 22 36 45.5–.94 37.18N–.02 112.87W–.03 17–8 100 0-25
IDC XII 21 22 36 44.9–.87 37.22N 112.97W 0 3.4L,3.1 **¶621637428**
NEIC XII 21 22 36 44.8–1.2 37.18N–.03 112.89W–.03 23–8 3.7L,3.6L
NEIC XII 21 22 36 44.9 37.18N 112.92W 22 3.7L,3.6L
UUSS XII 21 22 36 45.5–1.3 37.19N–.01 112.89W–.02 20–5 3.7L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.23 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$1.95 $M_{r\theta}$-0.85 $M_{\theta\phi}$0.80 $M_{\phi r}$1.15 NP1:ϕ_s162.79000°,δ69.10000°,λ-129.10000°. NP2:ϕ_s49.09000°,δ43.53000° ,λ-31.19000°. Principal axes: T 2.4107,Plg15.0000°,Azm280.0000°; N -0.0891,Plg36.0000° ,Azm179.0000°; P -2.3215,Plg50.0000°,Azm29.0000° M_o2.37000×10^{14}
NEIC Event type se.
UUSS Event type se. hypocenter. manual.
ISC X 22 11 29 38.6–.83 39.44N–.02 111.95W–.02 15–6 84 0-12
IDC X 22 11 29 35.0–1.1 39.22N 111.96W 0 3.1L,2.9 **¶621236126**
NEIC X 22 11 29 38.7–1.2 39.453N–.01 111.98W–.02 6–5 3.4L,3.2L
UUSS X 22 11 29 38.8–1.0 39.44N–.01 111.96W–.02 7–4 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. hypocenter. manual.
ISC X 24 07 07 52.3–.87 38.23N–.02 112.67W–.02 7–6 97 0-12
NEIC X 24 07 07 51.8–.76 38.23N–.01 112.69W–.02 5–1 3.3L,3.2L **¶621238067**
IDC X 24 07 07 51.8–.82 38.32N 112.69W 0 3.0L,2.7
UUSS X 24 07 07 52.0–.65 38.235N–.01 112.69W–.02 7–5 3.0L,2.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. hypocenter. manual.
ISC XII 28 06 46 19.1–.88 39.41N–.02 110.33W–.02 5–6 47 0-11
NEIC XII 28 06 46 19.5–.60 39.41N–.01 110.32W–.01 1–1 2.4L,2.1L **¶621717368**
UUSS XII 28 06 46 19.6–.81 39.43N–.01 110.29W–.02 -3–1 2.4L,2.1L
IDC XII 28 06 46 37.1–1.5 40.39N 110.08W 0 3.0L,2.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.2km s-min=1.5km az=340.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. Error ellipse: s-maj=2.2km s-min=1.6km az=220.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.3km s-min=11.1km az=129.0.

(479) Colorado.

ISC IX 13 09 27 14.4–1.2 37.45N–.03 102.93W–.04 13–9 64 1-38
IDC IX 13 09 27 10.8–1.1 37.43N 102.83W 0 3.5,3.4L **¶621071756**
NEIC IX 13 09 27 14.8 37.42N 102.91W 5 3.5,3.4L
NEIC IX 13 09 27 15.7–.84 37.44N–.02 102.93W–.01 16–7 4.0b,3.7
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.45 $M_{\theta\theta}$4.23 $M_{\phi\phi}$-2.79 $M_{r\theta}$-1.37 $M_{\theta\phi}$0.35 $M_{\phi r}$1.91 NP1:ϕ_s126.12000°,δ74.85000°,λ-37.05000°. NP2:ϕ_s227.29000°,δ54.44000° ,λ-161.26000°. Principal axes: T 4.5470,Plg13.0000°,Azm181.0000°; N -0.2667,Plg50.0000° ,Azm287.0000°; P -4.2803,Plg37.0000°,Azm81.0000° M_o4.42000×10^{14}
NEIC XII 23 05 11 56.8–.69 37.38N–.01 104.32W–.04 4–5 1.2L
¶622512330

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(480) Kansas.

ISC IX 11 13 07 11.3–.94 38.74N–.04 97.04W–.05 10 26 0-12
IDC IX 11 13 07 07.7–2.3 38.62N 96.82W 0 3.3L,3.3 **¶621069791**
NEIC IX 11 13 07 11.9–.67 38.75N–.02 97.02W–.05 5–2 3.1,3.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 28 14 15 40.8–2.5 39.73N–.04 98.38W–.06 14–18 46 1-11
IDC VII 28 14 15 35.2–1.9 39.68N 98.15W 0 3.4L,3.4 **¶620857607**
NEIC VII 28 14 15 39.9–.74 39.73N–.02 98.39W–.02 5–2 2.9,3.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 29 12 57 45.3–.82 39.72N–.05 98.38W–.04 10 33 1-15
IDC VII 29 12 57 43.1–1.2 39.73N 98.54W 0 3.6,3.5L **¶620878553**
NEIC VII 29 12 57 47.1–.64 39.732N–.01 98.37W–.03 5–2 3.3,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 09 19 29 29.8–.59 39.72N–.04 98.37W–.05 10 3.6b 75 1-131
IDC VIII 09 19 29 29.0–.82 39.65N 98.42W 0 3.8,3.7b **¶620979383**
NEIC VIII 09 19 29 31.5–1.1 39.72N–.04 98.39W–.07 5–2 3.7,3.5
NEIC VIII 09 19 29 31.5 39.72N 98.40W 5 3.7,3.5
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=10.7km az=131.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.0km az=280.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.87 $M_{\theta\theta}$1.68 $M_{\phi\phi}$0.19 $M_{r\theta}$-0.58 $M_{\theta\phi}$-1.09 $M_{\phi r}$-1.19 NP1:ϕ_s91.08000°,δ51.75000°,λ-130.11000°. NP2:ϕ_s324.77000° ,δ53.09000°,λ-50.74000°. Principal axes: T 2.2566,Plg1.0000°,Azm28.0000° ; N 0.3899,Plg30.0000°,Azm119.0000°; P -2.6465,Plg60.0000°,Azm297.0000° M_o2.47000×10^{14}
NEIC Event type se.
ISC XI 03 10 10 44.9–.78 39.39N–.04 99.53W–.04 10 55 1-11
IDC XI 03 10 10 46.0–1.9 39.38N 99.75W 0 3.7L,3.1 **¶621256507**
NEIC XI 03 10 10 47.6–1.2 39.28N–.02 99.54W–.05 5–1 2.7,3.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 04 02 58 13.3–1.2 38.61N–.03 97.42W–.04 13–9 131 1-39
IDC X 04 02 58 11.5–1.1 38.51N 97.45W 0 3.5L,3.5 **¶621117521**
NEIC X 04 02 58 14.0–1.0 38.69N–.03 97.48W–.05 5–2 3.8b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC XII 18 01 23 57.6–.90 38.68N–.03 97.49W–.03 5–2 2.7L,2.6
¶621633318

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 15 03 07.2–.76 38.68N–.04 97.48W–.04 10 121 1-12
IDC XII 15 15 03 03.9–2.2 38.59N 97.35W 0 3.7L,3.6 **¶621630748**
NEIC XII 15 15 03 08.6–.46 38.66N–.02 97.52W–.04 5–1 3.7L,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 15 09 58 20.4–1.2 38.65N–.03 97.42W–.03 7–9 4.0b,3.4s 189 1-149
IDC XII 15 09 58 18.9–.64 38.64N 97.50W 0 3.9L,3.8b **¶621630238**
NEIC XII 15 09 58 21.6–1.2 38.69N–.04 97.44W–.05 3–1 4.3,4.2b
NEIC XII 15 09 58 21.4 38.69N 97.45W 1 4.3,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=11.0km s-min=9.4km az=173.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.0km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.30 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-0.78 $M_{r\theta}$-0.18 $M_{\theta\phi}$0.85 $M_{\phi r}$0.65 NP1:ϕ_s109.73000°,δ67.68000°,λ-19.93000°. NP2:ϕ_s207.57000°,δ71.62000° ,λ-156.41000°. Principal axes: T 1.4093,Plg3.0000°,Azm338.0000°; N 0.0759,Plg60.0000° ,Azm243.0000°; P -1.4853,Plg29.0000°,Azm69.0000° M_o1.45000×10^{15}
NEIC Event type se.
NEIC XII 17 00 18 42.0–.78 38.67N–.04 97.49W–.05 5–2 2.5
¶621631489

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 23 11 11 55.9–.74 39.95N–.03 98.16W–.05 10 95 1-12
IDC XI 23 11 11 54.1–1.2 39.93N 98.03W 0 3.4,3.3L **¶621449124**
NEIC XI 23 11 11 57.2–.92 39.93N–.02 98.17W–.03 5–2 3.1,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 08 13 45 26.7–.38 38.66N–.03 97.45W–.03 10 4.3b,3.9s 167 1-98
IDC XII 08 13 45 25.7–.64 38.65N 97.41W 0 4.1b,4.1 **¶621622049**
GFZ XII 08 13 45 27.2–.22 39N–3.0 97W–3.0 10 5.5b,5.2L
NEIC XII 08 13 45 28.3–.96 38.65N–.04 97.45W–.03 3–1 4.5,4.4L
NEIC XII 08 13 45 28.3 38.66N 97.45W 1 4.5,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=10.9km s-min=8.4km az=161.0.
GFZ Error ellipse: s-maj=5.9km s-min=5.6km az=136.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.9km az=32.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.72 $M_{\theta\theta}$3.14 $M_{\phi\phi}$-2.42 $M_{r\theta}$-0.50 $M_{\theta\phi}$0.78 $M_{\phi r}$1.39 NP1:ϕ_s123.43000°,δ73.49000°,λ-24.81000°. NP2:ϕ_s220.91000°,δ66.28000° ,λ-161.91000°. Principal axes: T 3.2736,Plg5.0000°,Azm173.0000°; N 0.0634,Plg60.0000° ,Azm272.0000°; P -3.3370,Plg29.0000°,Azm81.0000° M_o3.31000×10^{15}
NEIC Event type se.
ISC XII 12 02 09 21.8–.58 38.79N–.05 97.48W–.04 10 3.8b 38 1-65
IDC XII 12 02 09 20.7–.84 38.58N 97.55W 0 3.9b,3.8L **¶621627625**
NEIC XII 12 02 09 23.6–.71 38.68N–.04 97.50W–.04 5–2 4.0L,3.8
NEIC XII 12 02 09 24 38.67N 97.49W 3 3.6,3.8
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=9.9km az=162.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=3.1km az=316.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. M_o3.27000×10^{14}
ISC XII 26 10 40 15.2–1.4 38.68N–.03 97.45W–.03 6–10 3.6b 124 1-39
IDC XII 26 10 40 14.7–.81 38.65N 97.46W 0 3.7L,3.7s **¶621653517**
NEIC XII 26 10 40 16.7–.92 38.66N–.03 97.47W–.04 5–2 3.9b,3.9
NEIC XII 26 10 40 17 38.64N 97.51W 3 3.7,3.9
ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=10.1km az=173.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.1km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. M_o4.17000×10^{14}
ISC XII 27 05 51 30.4–.61 38.68N–.04 97.44W–.04 10 3.1b 80 1-39
IDC XII 27 05 51 27.3–1.0 38.51N 97.45W 0 3.2L,3.2 **¶621653745**
NEIC XII 27 05 51 31.1–.84 38.68N–.04 97.50W–.05 5–2 3.7b,3.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(486) New Madrid region, Missouri.

ISC XI 18 02 53 02.4–.91 36.95N–.02 90.54W–.02 12–6 4.1b 301 0-140
IDC XI 18 02 53 01.4–.52 36.92N 90.53W 0 4.1L,4.0b **¶621414622**
GFZ XI 18 02 53 02.4–.19 37N–3.0 91W–2.0 10 5.4b,5.1L
SLM XI 18 02 53 03.8–1.1 36.91N–.02 90.54W–.02 16–4 5.4b,5.1L
NEIC XI 18 02 53 04.1–1.1 36.904N–.01 90.54W–.02 13–5 4.0b,4.0
NEIC XI 18 02 53 04.1 36.90N 90.54W 11 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=10.9km s-min=7.7km az=175.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
SLM Event type se. Error ellipse: s-maj=2.7km s-min=2.5km az=102.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=0.9km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.14 $M_{\theta\theta}$1.04 $M_{\phi\phi}$-0.89 $M_{r\theta}$0.46 $M_{\theta\phi}$0.85 $M_{\phi r}$-0.46 NP1:ϕ_s26.70000°,δ64.93000°,λ-169.94000°. NP2:ϕ_s292.40000°,δ80.90000° ,λ-25.42000°. Principal axes: T 1.4064,Plg11.0000°,Azm342.0000°; N 0.0704,Plg63.0000° ,Azm94.0000°; P -1.4769,Plg24.0000°,Azm247.0000° M_o1.44000×10^{15}
NEIC Event type se.

(496) New Mexico.

NEIC VII 12 13 44 29.4–.83 36.27N–.03 106.78W–.06 10–0 3.0L
¶622450634

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 12 15 33 35.4–.41 36.27N–.03 106.72W–.05 10 4.4b,3.4s 171 1-148
NEIC VII 12 15 33 34.4 36.22N 106.75W 6 4.4b,3.4s **¶622450637**
IDC VII 12 15 33 34.2–.51 36.27N 106.71W 0 4.2b,4.1

GFZ VII 12 15 33 35.9–.22 36N–3.0 107W–3.0 10 4.5b,4.5
NEIC VII 12 15 33 35.0–1.5 36.23N–.03 106.75W–.05 13–0 5.0L,4.4b
ISC Event type se.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.47 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$2.73 $M_{r\theta}$-1.16 $M_{\theta\phi}$0.49 $M_{\phi r}$0.11 NP1:ϕ_s41.21000°,δ59.28000°,λ-37.29000°. NP2:ϕ_s152.47000°,δ58.61000° ,λ-143.24000°. Principal axes: T 2.7894,Plg0.0000°,Azm97.0000°; N -0.2321,Plg43.0000° ,Azm187.0000°; P -2.5573,Plg47.0000°,Azm7.0000° M_o2.68000×10^{15}
NEIC VII 12 16 06 14.7–1.4 36.23N–.03 106.77W–.06 10–2 3.7L ¶622450640
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 11 23 25.7–.65 32.06N–.01 103.71W–.01 11–3 3.8b,3.3s 200 0-100
IDC VII 19 11 23 24.4–.86 32.06N 103.76W 0 3.7b,3.6 **¶620833537**
TXNET VII 19 11 23 25.3 32.1N–.50 103.7W–.40 8–0 4.0L,3.6
NEIC VII 19 11 23 25.3–.30 32.068N–.01 103.716W–.01 8–4 3.8L,3.8
NEIC VII 19 11 23 25.3 32.07N 103.72W 10 3.8L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=10.0km az=64.0.
TXNET Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=167.6. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC Event type se. Error ellipse: s-maj=1.3km s-min=0.8km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-6.19 $M_{\theta\theta}$4.76 $M_{\phi\phi}$1.43 $M_{r\theta}$-1.51 $M_{\theta\phi}$2.97 $M_{\phi r}$-0.75 NP1:ϕ_s60.73000°,δ52.44000°,λ-88.69000°. NP2:ϕ_s238.59000°,δ37.58000° ,λ-91.70000°. Principal axes: T 6.7184,Plg7.0000°,Azm150.0000°; N -0.3038,Plg1.0000° ,Azm240.0000°; P -6.4146,Plg82.0000°,Azm338.0000° M_o6.57000×10^{14}
NEIC Event type se.
ISC XI 01 02 11 52.3–.85 36.78N–.04 104.94W–.03 6–6 116 0-43
NEIC XI 01 02 11 51.0–1.7 36.75N–.04 104.92W–.06 5–2 3.2,3.1L **¶621244923**
IDC XI 01 02 11 52.3–1.2 36.67N 104.78W 0 3.8s,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.3km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.1km s-min=9.3km az=79.0.
ISC XI 01 03 09 16.5–.74 36.81N–.04 104.91W–.03 8–4 4.4b 207 0-148
NEIC XI 01 03 09 15.4–1.9 36.74N–.02 104.94W–.05 5–3 4.4b,4.2 **¶621244938**
NEIC XI 01 03 09 15 36.75N 105.01W 8 4.4b,4.2
IDC XI 01 03 09 15.1–.56 36.70N 104.82W 0 4.3b,4.0
GFZ XI 01 03 09 17.8–.23 37N–3.0 105W–3.0 10 5.1b,4.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.91 $M_{\theta\theta}$0.11 $M_{\phi\phi}$0.80 $M_{r\theta}$0.50 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.29 NP1:ϕ_s185.47000°,δ54.19000°,λ-58.76000°. NP2:ϕ_s319.44000°,δ46.10000° ,λ-125.71000°. Principal axes: T 0.9034,Plg4.0000°,Azm254.0000°; N 0.2804,Plg25.0000° ,Azm346.0000°; P -1.1839,Plg65.0000°,Azm155.0000° M_o1.07000×10^{15}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(497) Northwestern Texas-Oklahoma border region.

ISC VIII 09 12 24 39.6–1.1 35.53N–.02 100.30W–.02 2–9 165 0-19
IDC VIII 09 12 24 37.8–1.2 35.57N 100.41W 0 3.6L,3.6 **¶621007259**
TXNET VIII 09 12 24 40.3 35N–1.0 100W–1.0 7–2 3.5L,3.6
NEIC VIII 09 12 24 41.6–1.0 35.49N–.03 100.29W–.02 5–2 3.6L,3.6
NEIC VIII 09 12 24 41.6 35.50N 100.30W 5 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=14.1km s-min=12.1km az=122.0.
TXNET Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=90.3. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. final.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=348.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.44 $M_{\theta\theta}$1.23 $M_{\phi\phi}$0.21 $M_{r\theta}$-0.46 $M_{\theta\phi}$1.05 $M_{\phi r}$0.22 NP1:ϕ_s76.53000°,δ52.84000°,λ-64.72000°. NP2:ϕ_s218.52000°,δ43.89000° ,λ-119.40000°. Principal axes: T 1.9090,Plg5.0000°,Azm149.0000°; N -0.2910,Plg20.0000° ,Azm241.0000°; P -1.6180,Plg70.0000°,Azm46.0000° M_o1.78000×10^{14}
NEIC Event type se.

(498) Western Texas.

ISC VII 09 01 09 09.7–.82 31.66N–.02 104.41W–.02 8–6 115 0-10
TXNET VII 09 01 09 09.3 31.7N–.70 104.4W–.60 7–1 3.4L **¶622450425**
NEIC VII 09 01 09 09.5–.85 31.66N–.01 104.42W–.02 8–6 3.5L,3.3
ISC Event type ke.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 07 03 05 36.9–.71 32.11N–.02 102.16W–.01 16–4 194 0-43
IDC IX 07 03 05 36.6–1.1 31.87N 101.95W 0 3.3,3.2L **¶621039495**
NEIC IX 07 03 05 37.5–.66 32.107N–.01 102.16W–.01 5–1 3.6L,3.5
NEIC IX 07 03 05 37.5 32.12N 102.16W 5 3.6L,3.5
TXNET IX 07 03 05 37.1 32.1N–.40 102.2W–.40 7–0 3.7L,3.5
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.74 $M_{\theta\theta}$1.63 $M_{\phi\phi}$-0.90 $M_{r\theta}$0.84 $M_{\theta\phi}$0.92 $M_{\phi r}$-1.15 NP1:ϕ_s35.50000°,δ53.20000°,λ-156.39000°. NP2:ϕ_s290.83000°,δ71.29000° ,λ-39.23000°. Principal axes: T 2.0199,Plg11.0000°,Azm347.0000°; N 0.3380,Plg47.0000° ,Azm89.0000°; P -2.3578,Plg41.0000°,Azm247.0000° M_o2.21000×10^{14}
NEIC Event type se.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. final.
ISC VII 28 15 28 05.0–.69 31.62N–.01 104.20W–.02 13–4 4.2b,3.5s 349 0-128
GFZ VII 28 15 28 03.6–.24 31N–3.0 104W–2.0 10 4.2b,4.2 **¶620857612**
NEIC VII 28 15 28 03.7–1.4 31.61N–.01 104.253W–.01 5–1 4.3L,4.1
NEIC VII 28 15 28 03.6 31.61N 104.22W 5 4.3L,4.1
TXNET VII 28 15 28 04.0 31.6N–.50 104.3W–.40 6–1 4.3L,4.1
IDC VII 28 15 28 04.4–.55 31.66N 104.03W 0 4.2b,4.0
ISC Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=2.2km az=268.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.25 $M_{\theta\theta}$1.23 $M_{\phi\phi}$0.01 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.10 $M_{\phi r}$-0.29 NP1:ϕ_s73.04000°,δ47.12000°,λ-107.07000°. NP2:ϕ_s277.33000°,δ45.54000° ,λ-72.46000°. Principal axes: T 1.2430,Plg1.0000°,Azm175.0000°; N 0.0699,Plg12.0000° ,Azm85.0000°; P -1.3129,Plg78.0000°,Azm269.0000° M_o1.28000×10^{15}
NEIC Event type se.
TXNET Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=30.5. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
IDC Error ellipse: s-maj=15.6km s-min=8.4km az=62.0.
TXNET VIII 02 18 10 28.4 31.2N–.50 103.3W–.60 3–0 2.3L
NEIC VIII 02 18 10 29.0–1.7 31.20N–.02 103.26W–.02 5–2 2.6,2.5L **¶622451166**
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 31 13 33 23.7–.79 31.67N–.02 104.43W–.02 11–5 130 0-10
NEIC VIII 31 13 33 23.5–.51 31.68N–.01 104.43W–.01 7–2 3.6L,3.2 **¶621012261**
NEIC VIII 31 13 33 23 31.67N 104.41W 8 3.3,3.2
TXNET VIII 31 13 33 23.6 31.7N–.70 104.4W–.60 7–1 3.5L,3.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. M_o9.44000×10^{13}
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC VIII 08 04 17 09.3–.53 31.65N–.01 104.29W–.01 10–6 3.4L,3.3
TXNET VIII 08 04 17 09.0 31.7N–.80 104.3W–.50 7–1 3.5L,3.3 **¶622451337**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
TXNET VIII 31 03 08 20.9 31.6N–.80 105W–1.0 7–2 2.2L ¶626246531
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC IX 03 05 41 15.4–.68 31.66N–.02 104.41W–.02 10–4 4.3s,4.1b 271 0-107
IDC IX 03 05 41 14.3–.67 31.70N 104.30W 0 4.0s,3.9b **¶621024239**
NEIC IX 03 05 41 14.2 31.66N 104.38W 0 4.0s,3.9b
NEIC IX 03 05 41 15.1–.83 31.675N–.01 104.41W–.02 6–2 4.4L,4.3b
TXNET IX 03 05 41 15.1 31.7N–.90 104.4W–.70 7–1 4.3L,4.3b
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.17 $M_{\theta\theta}$1.14 $M_{\phi\phi}$0.04 $M_{r\theta}$-0.95 $M_{\theta\phi}$-0.15 $M_{\phi r}$0.19 NP1:ϕ_s275.46000°,δ25.16000°,λ-94.19000°. NP2:ϕ_s100.09000° ,δ64.91000°,λ-88.03000°. Principal axes: T 1.5102,Plg20.0000°,Azm189.0000° ; N 0.0164,Plg2.0000°,Azm279.0000°; P -1.5265,Plg70.0000°,Azm14.0000° M_o1.52000×10^{15}
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC IX 08 22 02 06.1–.70 31.66N–.02 104.39W–.01 10–4 4.3b 305 0-46
NEIC IX 08 22 02 05.8–1.3 31.64N–.04 104.38W–.04 5–1 4.3b,4.2 **¶621044103**
NEIC IX 08 22 02 05.7 31.65N 104.38W 5 4.3b,4.2
TXNET IX 08 22 02 05.9 31.7N–.60 104.4W–.50 6–0 4.3L,4.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.00 $M_{\theta\theta}$1.00 $M_{\phi\phi}$-0.01 $M_{r\theta}$-0.56 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.12 NP1:ϕ_s88.16000°,δ59.65000°,λ-99.64000°. NP2:ϕ_s286.74000°,δ31.70000° ,λ-74.04000°. Principal axes: T 1.1576,Plg14.0000°,Azm185.0000°; N 0.0015,Plg8.0000° ,Azm93.0000°; P -1.1590,Plg74.0000°,Azm334.0000° M_o1.16000×10^{15}
NEIC Event type se.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
TXNET IX 12 02 44 20.6 31.7N–.90 104W–2.0 6–1 2.2L ¶626365603
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC IX 10 17 57 58.9–.74 31.58N–.01 104.17W–.02 10–5 2.5L,2.3
TXNET IX 10 17 57 58.8 31.6N–.60 104.2W–.70 8–1 2.5L,2.3 **¶621061015**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC IX 12 13 30 09.3–.88 31.60N–.01 104.23W–.01 6–7 195 0-32
IDC IX 12 13 30 08.9–1.1 31.56N 104.25W 0 3.8b,3.6 **¶621070688**
NEIC IX 12 13 30 08.4–.42 31.61N–.01 104.24W–.01 8–4 3.8L,3.5
NEIC IX 12 13 30 08 31.61N 104.24W 7 3.4,3.5
TXNET IX 12 13 30 08.1 31.6N–.50 104.2W–.40 7–1 3.8L,3.5
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. M_o1.82000×10^{14}
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC IX 23 07 52 06.9–.62 31.59N–.01 103.99W–.01 12–3 4.2b 363 0-42
NEIC IX 23 07 52 06.7–.61 31.593N–.01 104.006W–.01 5–2 4.2L,4.1 **¶621106390**
NEIC IX 23 07 52 06.6 31.60N 104.00W 5 4.2L,4.1
TXNET IX 23 07 52 06.6 31.6N–.50 104.0W–.50 9–0 4.3L,4.1
IDC IX 23 07 52 07.2–.92 31.57N 103.96W 0 3.7,3.5b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=1.2km s-min=0.6km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-6.86 $M_{\theta\theta}$3.13 $M_{\phi\phi}$3.73 $M_{r\theta}$-3.07 $M_{\theta\phi}$-5.80 $M_{\phi r}$0.38 NP1:ϕ_s118.84000°,δ56.15000°,λ-113.06000°. NP2:ϕ_s336.23000° ,δ40.17000°,λ-59.72000°. Principal axes: T 9.5991,Plg8.0000°,Azm225.0000° ; N -1.7034,Plg19.0000°,Azm132.0000°; P -7.8957,Plg69.0000°,Azm338.0000° M_o8.87000×10^{14}
NEIC Event type se.
TXNET Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=44.3. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
IDC Error ellipse: s-maj=18.9km s-min=10.2km az=64.0.
ISC IX 12 11 26 41.8–.73 32.76N–.02 100.65W–.02 12–5 4.0b,3.9s 163 0-80
IDC IX 12 11 26 41.0–.86 32.77N 100.72W 0 3.9b,3.9s **¶621070679**
TXNET IX 12 11 26 41.8 32.8N–.60 100.7W–.90 8–1 3.6L,3.9s
NEIC IX 12 11 26 42.8 32.79N 100.66W 1 3.6L,3.9s
NEIC IX 12 11 26 42.9–1.9 32.79N–.02 100.68W–.02 5–1 3.8,3.7L
ISC Event type ke.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. final.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-3.47 $M_{\theta\theta}$1.97 $M_{\phi\phi}$1.50 $M_{r\theta}$3.06 $M_{\theta\phi}$1.84 $M_{\phi r}$1.48 NP1:ϕ_s37.88000°,δ24.35000°,λ-109.66000°. NP2:ϕ_s239.30000°,δ67.15000° ,λ-81.34000°. Principal axes: T 4.8994,Plg22.0000°,Azm323.0000°; N 0.0058,Plg8.0000° ,Azm56.0000°; P -4.9052,Plg67.0000°,Azm165.0000° M_o4.90000×10^{14}
ISC IX 18 22 27 01.5–.68 31.60N–.01 103.99W–.01 9–4 337 0-19
NEIC IX 18 22 27 00.9 31.59N 104.00W 8 **¶621082999**
IDC IX 18 22 27 01.1–1.2 31.57N 104.01W 0 3.7L,3.7
NEIC IX 18 22 27 01.0–1.1 31.604N–.00 103.98W–.01 6–2 3.9L,3.9
TXNET IX 18 22 27 01.1 31.6N–.50 104.0W–.60 7–1 4.1L,3.9
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-3.77 $M_{\theta\theta}$2.58 $M_{\phi\phi}$1.19 $M_{r\theta}$-1.70 $M_{\theta\phi}$-3.54 $M_{\phi r}$-0.52 NP1:ϕ_s105.68000°,δ56.56000°,λ-122.54000°. NP2:ϕ_s334.87000° ,δ45.30000°,λ-50.84000°. Principal axes: T 5.5975,Plg6.0000°,Azm218.0000° ; N -0.9700,Plg27.0000°,Azm125.0000°; P -4.6275,Plg63.0000°,Azm320.0000° M_o5.18000×10^{14}
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC X 02 18 55 42.8–.76 31.72N–.02 103.99W–.02 9–4 100 0-10
NEIC X 02 18 55 42.9–1.4 31.71N–.01 104.02W–.01 8–4 3.4L,3.4 **¶621116995**
TXNET X 02 18 55 43.0 31.7N–.40 104.0W–.70 6–0 3.6L,3.4
NEIC X 02 18 55 43 31.71N 104.00W 8 3.6,3.4
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=1.6km s-min=1.6km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=78.2. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC Event type se. Moment Tensor Solution. M_o2.75000×10^{14}

ISC IX 29 07 22 09.4–.76 31.65N–.02 104.38W–.02 9–5 4.1b,3.3s 188 0-79
NEIC IX 29 07 22 08.7 31.66N 104.41W 5 4.1b,3.3s ¶621112443
TXNET IX 29 07 22 08.8 31.7N–.60 104.4W–.50 6–1 4.2L,3.3s
IDC IX 29 07 22 09.1–.91 31.66N 104.24W 0 3.8b,3.7
NEIC IX 29 07 22 09.1–.80 31.67N–.02 104.38W–.05 6–5 4.3L,4.1b
ISC Event type ke.
NEIC Event type se.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-6.67 $M_{\theta\theta}$6.75 $M_{\phi\phi}$-0.09 $M_{r\theta}$-1.50 $M_{\theta\phi}$-0.86 $M_{\phi r}$2.01 NP1:ϕ_s111.03000°,δ53.89000°,λ-72.84000°. NP2:ϕ_s263.38000° ,δ39.48000°,λ-112.02000°. Principal axes: T 7.0824,Plg7.0000°,Azm189.0000° ; N 0.2546,Plg14.0000°,Azm281.0000°; P -7.3370,Plg74.0000°,Azm71.0000° $M_0$7.21000×10^{14}
ISC X 17 19 00 11.3–.84 31.71N–.02 104.02W–.02 9–4 111 0-10
NEIC X 17 19 00 11.0–.73 31.70N–.01 104.02W–.01 7–4 3.5L,3.2 ¶621205044
NEIC X 17 19 00 11 31.71N 104.02W 8 3.4,3.2
TXNET X 17 19 00 11.1 31.7N–.50 104.0W–.60 8–0 3.4L,3.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.38000×10^{14}
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC X 12 03 32 09.4–.60 31.67N–.01 104.49W–.01 5–2 2.3,2.3L
TXNET X 12 03 32 09.3 32N–1.0 104W–1.0 6–1 2.6L,2.3L ¶621146545
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC X 02 18 54 57.9–.78 31.71N–.01 104.02W–.01 10–3 211 0-10
NEIC X 02 18 54 57.8–.79 31.709N–.01 104.03W–.01 8–2 3.3L,3.2 ¶626574879
NEIC X 02 18 54 57 31.71N 104.01W 8 3.3,3.2
TXNET X 02 18 54 57.7 31.7N–.40 104.0W–.50 8–0 3.4L,3.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.08000×10^{14}
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC X 03 01 39 18.8–.66 31.70N–.01 104.02W–.01 10–3 235 0-42
IDC X 03 01 39 17.4–1.1 31.79N 103.53W 0 3.4,3.3b ¶621117072
NEIC X 03 01 39 18.7 31.70N 104.02W 10 3.4,3.3b
TXNET X 03 01 39 18.6 31.7N–.40 104.0W–.40 8–0 4.0L,3.3b
NEIC X 03 01 39 18.7–.36 31.704N–.01 104.02W–.01 8–1 4.0L,3.9b
ISC Event type ke.
NEIC Event type se.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-6.11 $M_{\theta\theta}$6.93 $M_{\phi\phi}$-0.82 $M_{r\theta}$-3.10 $M_{\theta\phi}$-0.29 $M_{\phi r}$-1.54 NP1:ϕ_s78.34000°,δ59.09000°,λ-105.64000°. NP2:ϕ_s286.92000° ,δ34.29000°,λ-65.77000°. Principal axes: T 7.6321,Plg13.0000°,Azm180.0000° ; N -0.4315,Plg13.0000°,Azm87.0000°; P -7.2006,Plg71.0000°,Azm312.0000° $M_0$7.43000×10^{14}
ISC X 10 13 17 14.2–.87 31.59N–.02 104.52W–.02 10–6 130 0-10
NEIC X 10 13 17 14.0–.55 31.59N–.02 104.52W–.02 5–1 3.9L,3.4 ¶621144257
TXNET X 10 13 17 14.2 31.6N–.90 105W–1.0 9–1 3.8L,3.4
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC XII 07 02 57 23.5–.78 31.68N–.02 104.42W–.02 11–4 157 0-10
NEIC XII 07 02 57 23.6–.91 31.68N–.01 104.426W–.01 9–5 3.6L,3.4 ¶621615812
NEIC XII 07 02 57 23.6 31.68N 104.42W 8 3.6L,3.4
TXNET XII 07 02 57 23.2 31.7N–.50 104.4W–.40 6–1 3.7L,3.4
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.93 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-0.02 $M_{r\theta}$-1.00 $M_{\theta\phi}$0.05 $M_{\phi r}$-0.22 NP1:ϕ_s80.15000°,δ68.87000°,λ-94.98000°. NP2:ϕ_s273.74000°,δ21.69000° ,λ-77.34000°. Principal axes: T 1.3921,Plg24.0000°,Azm174.0000°; N -0.0059,Plg5.0000° ,Azm82.0000°; P -1.3862,Plg66.0000°,Azm342.0000° $M_0$1.39000×10^{14}
NEIC Event type se.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC X 22 23 55 22.3–.81 31.66N–.02 104.44W–.02 9–5 165 0-10
NEIC X 22 23 55 21.9–.94 31.646N–.01 104.45W–.02 5–1 3.5L,3.1 ¶621237655
TXNET X 22 23 55 22.2 31.7N–.50 104.4W–.60 6–1 3.4L,3.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC XI 26 13 24 46.1–.81 31.60N–.02 104.26W–.02 13–5 126 0-10
NEIC XI 26 13 24 45.5–.65 31.61N–.01 104.26W–.01 5–1 3.5L,3.2 ¶621475707
TXNET XI 26 13 24 45.6 31.6N–.70 104.3W–.40 7–1 3.4L,3.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC XI 28 23 03 03.9–.77 31.18N–.01 103.32W–.01 7–4 163 0-10
NEIC XI 28 23 03 03.5–1.3 31.172N–.01 103.29W–.01 5–1 3.5L,3.2 ¶621480992
NEIC XI 28 23 03 03 31.17N 103.30W 5 3.3,3.2
TXNET XI 28 23 03 03.5 31.2N–.60 103.3W–.40 3–1 3.2L,3.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.20000×10^{14}
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC XI 28 16 17 41.9–.85 31.65N–.02 104.59W–.02 9–5 149 0-10
NEIC XI 28 16 17 41.5–.73 31.644N–.01 104.60W–.02 5–1 3.7L,3.2 ¶621480950
NEIC XI 28 16 17 41 31.65N 104.58W 10 3.5,3.2
TXNET XI 28 16 17 41.9 31.7N–.90 105W–1.0 8–1 3.6L,3.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.95000×10^{14}
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC X 18 08 07 22.8–.83 31.55N–.02 104.14W–.02 10–5 102 0-10
NEIC X 18 08 07 22.6–.60 31.552N–.01 104.144W–.01 7–3 3.6L,3.2 ¶621206686
TXNET X 18 08 07 22.4 31.6N–.60 104.2W–.50 7–1 3.5L,3.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC X 26 22 02 59.9–.84 31.94N–.02 102.33W–.02 8–3 163 0-11
NEIC X 26 22 03 00.7–.72 31.94N–.01 102.317W–.01 4–2 3.5,3.5L ¶621241092
TXNET X 26 22 03 00.2 31.9N–.80 102.3W–.50 8–0 3.6L,3.5L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. final.
ISC XII 11 13 28 52.2–.77 31.64N–.02 104.38W–.02 11–4 214 0-10
NEIC XII 11 13 28 51.7–1.2 31.65N–.02 104.37W–.04 5–2 3.4L,3.3 ¶621627513
TXNET XII 11 13 28 52.2 31.7N–.60 104.4W–.50 7–0 3.5L,3.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC XII 11 22 27 18.3–.67 31.71N–.02 104.53W–.02 9–4 277 0-42
IDC XII 11 22 27 17.4–1.0 31.79N 104.03W 0 3.6,3.3b ¶621627537
NEIC XII 11 22 27 17.9–.90 31.72N–.01 104.51W–.01 2–1 4.0L,4.0b
NEIC XII 11 22 27 17.9 31.71N 104.51W 3 4.0L,4.0b
TXNET XII 11 22 27 18.1 31.7N–.80 104.5W–.70 7–0 4.0L,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-4.62 $M_{\theta\theta}$3.85 $M_{\phi\phi}$0.78 $M_{r\theta}$-1.59 $M_{\theta\phi}$0.14 $M_{\phi r}$-0.03 NP1:ϕ_s87.89000°,δ55.31000°,λ-89.50000°. NP2:ϕ_s267.01000°,δ34.69000° ,λ-90.72000°. Principal axes: T 4.1421,Plg10.0000°,Azm178.0000°; N 0.7730,Plg0.0000° ,Azm268.0000°; P -4.9152,Plg80.0000°,Azm360.0000° $M_0$4.58000×10^{14}
NEIC Event type se.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC XII 11 10 30 42.1–.97 31.646N–.01 104.380W–.01 5–1 2.9L,2.8
TXNET XII 11 10 30 42.2 31.7N–.70 104.4W–.60 6–0 2.9L,2.8 ¶621627411
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
ISC XII 16 04 33 26.9–.77 32.06N–.02 102.24W–.01 12–4 178 0-13
NEIC XII 16 04 33 27.5–.62 32.06N–.01 102.23W–.01 5–1 3.6,3.6 ¶621630957
NEIC XII 16 04 33 27.6 32.06N 102.23W 1 3.6,3.6
TXNET XII 16 04 33 27.1 32.1N–.30 102.2W–.20 10–0 3.7L,3.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.39 $M_{\theta\theta}$0.67 $M_{\phi\phi}$-1.06 $M_{r\theta}$-0.07 $M_{\theta\phi}$2.50 $M_{\phi r}$0.48 NP1:ϕ_s99.32000°,δ80.38000°,λ-1.03000°. NP2:ϕ_s189.49000°,δ88.98000° ,λ-170.38000°. Principal axes: T 2.4749,Plg6.0000°,Azm324.0000°; N 0.4242,Plg80.0000° ,Azm195.0000°; P -2.8991,Plg8.0000°,Azm55.0000° $M_0$2.71000×10^{14}
NEIC Event type se.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. final.
ISC XII 15 22 21 02.6–.81 32.06N–.02 102.24W–.01 12–4 176 0-10
TXNET XII 15 22 21 02.6 32.1N–.30 102.2W–.30 10–0 3.6L ¶621630890
NEIC XII 15 22 21 03.2–.93 32.06N–.01 102.22W–.01 7–2 3.4L,3.3
ISC Event type ke.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. final.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 01 55 43.5–.62 32.29N–.02 101.78W–.02 7–3 4.5b,3.6s 210 0-101
IDC XII 28 01 55 42.0–.55 32.29N 101.74W 0 4.1b,4.1 ¶621654285
TXNET XII 28 01 55 43.7 32.3N–.50 101.8W–.50 8–0 4.6L,4.1
NEIC XII 28 01 55 44.2–.73 32.28N–.01 101.78W–.01 5–1 4.5,4.5b
NEIC XII 28 01 55 44.2 32.29N 101.77W 1 4.5,4.5b
GFZ XII 28 01 55 45.3–.22 32N–3.0 102W–3.0 10 5.6,5.4b
ISC Event type ke.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. final.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.69 $M_{\theta\theta}$1.08 $M_{\phi\phi}$-0.38 $M_{r\theta}$-0.99 $M_{\theta\phi}$2.59 $M_{\phi r}$0.80 NP1:ϕ_s94.33000°,δ74.17000°,λ-24.41000°. NP2:ϕ_s191.38000°,δ66.57000° ,λ-162.70000°. Principal axes: T 3.0627,Plg5.0000°,Azm144.0000°; N -0.0536,Plg61.0000° ,Azm243.0000°; P -3.0092,Plg28.0000°,Azm51.0000° $M_0$3.04000×10^{15}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 16 12 25 26.0–.66 31.56N–.01 104.02W–.01 9–4 274 0-42
NEIC XII 16 12 25 24.9–.88 31.555N–.01 104.024W–.01 5–1 4.4L,4.1b ¶621631350
NEIC XII 16 12 25 24.9 31.55N 104.03W 5 4.4L,4.1b
IDC XII 16 12 25 25.8–.94 31.50N 104.05W 0 3.5,3.3b
TXNET XII 16 12 25 25.3 31.6N–.50 104.0W–.50 9–0 4.4L,3.3b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-4.80 $M_{\theta\theta}$3.76 $M_{\phi\phi}$1.04 $M_{r\theta}$3.56 $M_{\theta\phi}$-2.00 $M_{\phi r}$-4.06 NP1:ϕ_s312.97000°,δ69.55000°,λ-79.41000°. NP2:ϕ_s104.84000°,δ22.92000° ,λ-116.22000°. Principal axes: T 7.0642,Plg24.0000°,Azm35.0000°; N 0.3239,Plg10.0000° ,Azm129.0000°; P -7.3881,Plg64.0000°,Azm240.0000° $M_0$7.23000×10^{14}
NEIC Event type se.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC XII 30 14 56 51.0–.31 31.68N–.01 104.42W–.01 7–2 2.6L,2.3
TXNET XII 30 14 56 51.0 31.7N–.70 104.4W–.40 6–1 2.4L,2.3 ¶621657531
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.
NEIC XII 31 01 41 54.5–.80 31.754N–.01 104.61W–.03 5–1 3.7L,3.4
TXNET XII 31 01 41 54.3 31.8N–.90 105W–1.0 6–1 3.5L,3.4 ¶621657650
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TXNET Event type ke. manual. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/PB1D-20170918-topoLV. final.

(499) Oklahoma.

NEIC VIII 22 13 02 54.8–1.5 35.13N–.01 95.34W–.02 5–1 3.5L,3.4L
NEIC VIII 22 13 02 54.9–1.3 35.11N–.02 95.34W–.02 7–3 3.5L,3.4L ¶620999543
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. hypocenter. manual.
ISC VIII 22 10 42 51.7–.83 36.69N–.02 97.68W–.01 19–2 135 0-40
IDC VIII 22 10 42 50.4–.98 36.70N 97.76W 0 3.6b,3.5 ¶620999531
NEIC VIII 22 10 42 51.8–.57 36.69N–.01 97.69W–.01 5–1 3.6b,3.5
NEIC VIII 22 10 42 51.7 36.69N 97.69W 4 3.6b,3.5
NEIC VIII 22 10 42 51.7–.49 36.69N–.02 97.69W–.01 5–1 3.9L,3.6L
ISC Event type se.
NEIC Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.04 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-1.02 $M_{r\theta}$0.05 $M_{\theta\phi}$0.76 $M_{\phi r}$0.39 NP1:ϕ_s116.12000°,δ74.20000°,λ-5.76000°. NP2:ϕ_s207.69000°,δ84.46000° ,λ-164.12000°. Principal axes: T 1.3250,Plg7.0000°,Azm341.0000°; N 0.0408,Plg73.0000° ,Azm226.0000°; P -1.3658,Plg15.0000°,Azm73.0000° $M_0$1.35000×10^{14}
ISC IX 19 22 21 38.2–.76 36.78N–.02 98.08W–.01 14–5 3.4s 205 0-85
IDC IX 19 22 21 36.8–.99 36.90N 98.25W 0 3.8b,3.8 ¶621083208
NEIC IX 19 22 21 38.6–.87 36.763N–.01 98.08W–.01 5–1 4.3L,4.1
NEIC IX 19 22 21 38.8–.90 36.758N–.01 98.07W–.01 7–1 4.3L,4.1
NEIC IX 19 22 21 38.9 36.77N 98.07W 12 4.3L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=11.1km az=144.0.
NEIC Event type se. Error ellipse: s-maj=2.5km s-min=1.6km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.10 $M_{\theta\theta}$6.05 $M_{\phi\phi}$-5.96 $M_{r\theta}$1.63 $M_{\theta\phi}$2.24 $M_{\phi r}$-0.36 NP1:ϕ_s34.18000°,δ76.79000°,λ175.22000°. NP2:ϕ_s125.27000°,δ85.35000° ,λ13.25000°. Principal axes: T 6.7999,Plg13.0000°,Azm350.0000°; N -0.3741,Plg76.0000°

,Azm144.0000°; P -6.4258,Plg6.0000°,Azm259.0000° $M_0$6.62000×10^{14}
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=1.6km az=59.0. hypocenter. manual.
NEIC Event type se.
ISC VIII 24 15 23 43.8–.78 35.10N–.02 95.31W–.02 19–2 114 0-60
IDC VIII 24 15 23 42.8–.85 35.04N 95.20W 0 4.3s,3.8b **¶621002169**
NEIC VIII 24 15 23 45.6 35.12N 95.37W 5 4.3s,3.8b
NEIC VIII 24 15 23 45.6–1.0 35.12N–.02 95.37W–.02 5–1 4.0,3.8
NEIC VIII 24 15 23 45.8–1.1 35.11N–.01 95.37W–.02 7–3 4.0,3.8
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.34 $M_{\theta\theta}$6.17 $M_{\phi\phi}$-5.83 $M_{r\theta}$-2.42 $M_{\theta\phi}$-3.20 $M_{\phi r}$-1.61 NP1:ϕ_s328.67000°,δ66.77000°,λ-2.31000°. NP2:ϕ_s59.58000°,δ87.88000°,λ-156.76000°. Principal axes: T 7.4836,Plg15.0000°,Azm192.0000°; N -0.1648,Plg67.0000°,Azm64.0000°; P -7.3188,Plg18.0000°,Azm287.0000° $M_0$7.40000×10^{14}
NEIC Event type se. hypocenter. manual.
NEIC IX 19 22 24 34.2–.98 36.76N–.01 98.07W–.01 10–7 3.8L,3.6
NEIC IX 19 22 24 34.1–.95 36.76N–.01 98.07W–.01 8–3 3.8L,3.6 **¶621083209**
NEIC IX 19 22 24 34 36.77N 98.05W 6 3.5,3.6
NEIC Event type se. Error ellipse: s-maj=1.8km s-min=1.5km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=1.7km s-min=1.4km az=148.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$2.40000×10^{14}

(506) Tennessee.

NEIC VIII 13 11 57 16.9–1.0 35.92N–.02 84.85W–.02 0–2 3.1,2.9
SLM VIII 13 11 57 17.1–1.2 35.88N–.02 84.90W–.02 0–7 3.1,2.9 **¶621012141**
NEIC Event type sc. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type sc. hypocenter. manual.
ISC VIII 13 11 57 34.3–.65 35.90N–.03 84.86W–.02 10 3.9b 136 0-144
NEIC VIII 13 11 57 33.9–.72 35.88N–.02 84.86W–.02 0–2 4.3,4.0L **¶622451456**
SLM VIII 13 11 57 35.0–.93 35.92N–.03 84.85W–.02 0–0 4.3,4.0L
IDC VIII 13 11 57 34.3–1.3 35.98N 84.83W 0 4.1,4.0b
ISC Event type sc.
NEIC Event type sc. Error ellipse: s-maj=4.0km s-min=3.0km az=341.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type sc. Error ellipse: s-maj=5.0km s-min=2.3km az=163.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.3km s-min=13.7km az=17.0.

(511) South Carolina.

NEIC IX 27 22 21 57.6–2.4 32.95N–.02 80.16W–.02 5–1 3.8L,3.5
SLM IX 27 22 21 57.6–1.8 32.94N–.03 80.15W–.03 7–4 3.8L,3.5 **¶621111119**
NEIC IX 27 22 21 57.3 32.94N 80.15W 7 3.2,3.5
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.7km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. Error ellipse: s-maj=5.5km s-min=1.9km az=224.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$8.81000×10^{13}
NEIC XII 27 19 18 55.0–.59 34.17N–.02 80.73W–.02 4–3 3.6L,3.3
SLM XII 27 19 18 54.2–.85 34.18N–.01 80.72W–.02 3–5 3.6L,3.3 **¶621654272**
NEIC XII 27 19 18 54 34.18N 80.72W 1 3.1,3.3
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=2.1km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. Error ellipse: s-maj=2.6km s-min=1.6km az=62.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$6.24000×10^{13}

(512) North Carolina.

NEIC X 24 17 55 10.8–.52 35.52N–.01 83.975W–.01 7–5 2.8L,2.7
SLM X 24 17 55 10.7–.66 35.52N–.01 83.96W–.02 8–3 2.8L,2.7 **¶621238305**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.

(513) Off east coast of United States.

IDC XII 09 05 59 41.3–566 30.09N 78.27W 0
¶621636553
IDC Error ellipse: s-maj=353.4km s-min=169.5km az=108.0.
IDC IX 16 00 02 38.8–999 31.55N 78.11W 0
¶621112857
IDC Error ellipse: s-maj=642.0km s-min=177.1km az=93.0.
IDC XI 13 12 28 27.2–999 29.43N 76.93W 0
¶621468600
IDC Error ellipse: s-maj=440.4km s-min=201.8km az=87.0.
IDC XII 02 23 19 14.5–601 32.21N 75.44W 0
¶621629915
IDC Error ellipse: s-maj=341.1km s-min=174.9km az=104.0.
IDC XII 02 23 23 21.2–529 28.32N 77.42W 0
¶621629916
IDC Error ellipse: s-maj=263.5km s-min=160.2km az=37.0.
IDC XII 09 05 59 58.9–815 28.49N 72.44W 0
¶621636554
IDC Error ellipse: s-maj=310.8km s-min=159.8km az=70.0.
IDC XII 19 03 56 55.0–999 29.08N 79.78W 0
¶621657052
IDC Error ellipse: s-maj=563.4km s-min=220.7km az=97.0.
IDC XII 19 04 04 16.2–823 28.09N 72.72W 0
¶621657053
IDC Error ellipse: s-maj=313.6km s-min=168.9km az=70.0.
IDC XII 21 10 19 34.8–495 29.18N 76.67W 0
¶621685678
IDC Error ellipse: s-maj=266.1km s-min=155.0km az=51.0.

(514) Florida Peninsula.

IDC XII 07 10 08 36.0–999 28.24N 80.92W 0
¶621632658
IDC Error ellipse: s-maj=663.7km s-min=207.2km az=85.0.
IDC VIII 29 07 21 30.8–356 28.94N 81.46W 0
¶621073159
IDC Error ellipse: s-maj=292.2km s-min=116.6km az=46.0.
IDC IX 16 00 04 55.2–999 28.67N 81.05W 0
¶621112858
IDC Error ellipse: s-maj=677.1km s-min=202.1km az=85.0.
IDC XII 14 21 41 41.5–688 25.26N 81.50W 0
¶621652962
IDC Error ellipse: s-maj=428.8km s-min=250.8km az=101.0.

(517) New Mexico-Chihuahua border region.

NEIC VIII 05 13 33 07.0–.90 31.74N–.06 108.71W–.04 16–8 3.5L
NEIC VIII 05 13 33 06 31.77N 108.71W 8 3.6 **¶620970287**
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.5km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$3.16000×10^{14}

(523) Central Mexico.

ISC IX 06 02 31 14.1–1.5 21.63N–.03 101.00W–.03 5–9 4.5b,3.4s 315 2-149
IDC IX 06 02 31 13.4–.77 21.62N 100.98W 0 4.3b,4.2 **¶621036053**
NEIC IX 06 02 31 15.4–2.0 21.58N–.04 100.97W–.05 10–1 4.5,4.4b
MEX IX 06 02 31 16.8–.68 21.73N 101.06W 5 4.5,4.2W
GCMT IX 06 02 31 16.7–.50 21.73N–.05 101.10W–.03 29–0 4.9W,4.2W
GFZ IX 06 02 31 18.4–.30 22N–4.0 101W–5.0 10 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Presumed earthquake. Moment Tensor Solution. NP1:ϕ_s208.34000°,δ74.24000°,λ37.25000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109060231A. Moment Tensor Solution. s29,c37; s65,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.80±.18 $M_{\theta\theta}$0.81±.10; $M_{\phi\phi}$1.98±.10; $M_{r\theta}$0.14±.17; $M_{\theta\phi}$0.39±.08; $M_{\phi r}$0.24±.12; Best double couple: NP1:ϕ_s16.00000°,δ42.00000°,λ-92.00000°. NP2:ϕ_s198.00000°,δ48.00000°,λ-89.00000°. Principal axes: T 2.1120,Plg3.0000°,Azm287.0000°; N 0.6960,Plg1.0000°,Azm17.0000°; P -2.8160,Plg87.0000°,Azm127.0000° $M_0$2.46400×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MEX IX 03 17 14 01.3–.52 24.89N 100.19W 5 3.5
¶625692376
MEX Event type se. Error ellipse: s-maj=3.1km s-min=4.8km az=-1.0. Presumed earthquake.
MEX IX 03 17 14 03.4–.42 24.76N 100.21W 5 3.7
¶625692379
MEX Event type se. Error ellipse: s-maj=5.0km s-min=6.5km az=-1.0. Presumed earthquake.
ISC IX 12 10 29 17.5–.68 21.54N–.03 100.92W–.02 10 57 1-23
IDC IX 12 10 29 19.0–4.6 21.88N 100.72W 0 3.2L,2.9b **¶621109645**
MEX IX 12 10 29 22.3–1.7 21.66N 101.03W 10–15 4.1,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=114.1km s-min=42.1km az=77.0.
MEX Event type se. Error ellipse: s-maj=5.2km s-min=7.1km az=-1.0. Presumed earthquake.
ISC IX 06 04 49 46.4–1.3 21.48N–.04 100.95W–.02 11–9 3.7b 80 2-89
IDC IX 06 04 49 48.6–1.6 21.88N 100.83W 0 4.2s,3.8b **¶621094228**
MEX IX 06 04 49 49.7–1.0 21.68N 101.08W 5 4.4,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=10.0km az=47.0.
MEX Event type se. Error ellipse: s-maj=3.5km s-min=5.2km az=-1.0. Presumed earthquake.

(524) Jalisco.

ISC IX 05 11 07 41.3–2.5 21.68N–.03 101.05W–.02 2–17 3.9b 263 1-82
IDC IX 05 11 07 43.8–3.5 21.78N 100.75W 14–21 3.8b,3.7 **¶621041893**
NEIC IX 05 11 07 43.5–1.3 21.71N–.02 100.95W–.04 10–1 4.4,3.9b
MEX IX 05 11 07 44.2–.57 21.67N 101.03W 5 4.4,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=10.6km az=44.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.8km az=245.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=2.3km s-min=2.9km az=-1.0. Presumed earthquake.
ISC IX 04 09 38 23.4–.35 21.55N–.02 101.01W–.02 10 4.2b,3.3s 276 1-130
IDC IX 04 09 38 23.4–.86 21.70N 100.87W 0 3.9b,3.8 **¶621035302**
MEX IX 04 09 38 25.8–1.9 21.65N 101.04W 5 4.5,3.8
NEIC IX 04 09 38 26.3–1.9 21.56N–.04 101.15W–.04 15–5 4.5,4.1b
ISC Event type se.
MEX Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(525) Veracruz.

ISC VIII 04 09 58 23.5–1.2 19.19N–.04 95.98W–.03 12–7 4.8b,4.1s 303 1-134
IDC VIII 04 09 58 22.1–.60 19.21N 95.81W 0 4.5,4.4b **¶620966512**
NEIC VIII 04 09 58 23.1–1.1 19.14N–.05 96.00W–.05 8–4 4.9,4.8b
CATAC VIII 04 09 58 25.9–.35 19N–2.0 96W–2.0 88–11 5.6b,5.4
GFZ VIII 04 09 58 26.7–.29 19N–4.0 96W–3.0 10 4.7,4.7b
GCMT VIII 04 09 58 27.9–.30 19.26N–.02 96.05W–.02 20–1 4.8W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CATAC Event type se. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.22 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.25 $M_{r\theta}$0.42 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.63 NP1:ϕ_s151.78026°,δ59.92164°,λ81.19886°. NP2:ϕ_s348.94752°,δ31.22350°,λ104.79822°. Principal axes: T 1.4362,Plg73.5514°,Azm39.3170°; N 0.2062,Plg7.6084°,Azm156.2174°; P -1.6425,Plg14.4949°,Azm248.1964° $M_0$1.54968×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.20 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.23 $M_{r\theta}$0.46 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.66 NP1:ϕ_s150.79255°,δ60.86018°,λ80.50444°. NP2:ϕ_s349.74995°,δ30.51835°,λ106.48403°. Principal axes: T 1.4478,Plg72.4529°,Azm38.0297°; N 0.2060,Plg8.2847°,Azm155.4489°; P -1.6538,Plg15.3568°,Azm247.7407° $M_0$1.56102×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108040958A. Moment Tensor Solution. s20,c24; s74,c98; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.52±.12 $M_{\theta\theta}$-0.22±.07; $M_{\phi\phi}$-1.29±.08; $M_{r\theta}$1.02±.16; $M_{\theta\phi}$0.65±.04; $M_{\phi r}$-1.25±.13; Best double couple: NP1:ϕ_s345.00000°,δ23.00000°,λ109.00000°. NP2:ϕ_s145.00000°,δ68.00000°,λ82.00000°. Principal axes: T 2.2300,Plg66.0000°,Azm41.0000°; N 0.0370,Plg7.0000°,Azm148.0000°; P -2.2590,Plg23.0000°,Azm241.0000° $M_0$2.24500×10^{16}

(526) Gulf of Mexico.

IDC XII 03 21 52 56.7–999 25.23N 82.07W 0
¶621630621
IDC Error ellipse: s-maj=621.4km s-min=240.7km az=88.0.

(527) Bay of Campeche.

ISC X 09 09 52 14.8–2.9 19.60N–.05 92.44W–.03 0–21 57 1-24
NEIC X 09 09 52 17.3–1.3 19.60N–.02 92.49W–.04 10–2 4.3b,4.3 **¶622499536**
MEX X 09 09 52 18.7–.33 19.63N 92.51W 4–14 4.3,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.0km az=262.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Event type se. Error ellipse: s-maj=11.5km s-min=6.7km az=-1.0. Presumed earthquake.
ISC XI 26 18 03 54.8–1.4 18.39N–.05 92.77W–.04 14–11 22 2-5
MEX XI 26 18 03 58.3–.76 18.57N 92.93W 5 3.9 **¶625428030**
GCG XI 26 18 04 00.0–2.9 18.31N 92.73W 35–53 3.6
ISC Event type se.
MEX Event type se. Error ellipse: s-maj=5.5km s-min=6.4km az=-1.0. Presumed earthquake.
GCG Event type se. Error ellipse: s-maj=31.8km s-min=42.1km az=-1.0. Presumed earthquake.

SEISMIC REGION 35.
Eastern South America.

(528) Brazil.

OSUNB IX 04 16 32 33.1–.58 5.99S 50.82W 0 3.5
¶625887610
OSUNB Event type ke. Error ellipse: s-maj=2.3km s-min=5.1km az=0.0.
ISC VII 25 03 27 00.0–2.1 5.13S–.08 35.2W–.10 10 41 1-18
VAO VII 25 03 26 59.5–.68 5.09S 35.27W 0 3.5 **¶625751692**
OSUNB VII 25 03 27 00.9–.86 5.18S 35.37W 0 3.4
ISC Event type ke.
VAO Event type se. Error ellipse: s-maj=2.9km s-min=4.2km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=4.1km s-min=6.1km az=0.0.
ISC XI 04 02 24 14.7–1.8 1.80N–.07 61.2W–.10 10 17 1-14
VAO XI 04 02 24 12.6–.91 1.81N 61.37W 0 3.8 **¶625887725**
OSUNB XI 04 02 24 13.1–.94 1.59N 61.13W 0 3.6
ISC Event type ke.
VAO Event type se. Error ellipse: s-maj=3.5km s-min=6.6km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=3.1km s-min=8.3km az=0.0.
ISC IX 15 09 09 56.5–.69 21.87S–.04 49.93W–.04 10 88 2-12
OSUNB IX 15 09 09 56.9–.18 21.90S 49.89W 0 3.6 **¶625887620**
VAO IX 15 09 09 58.5 21.92S 49.87W 0–2 3.6
ISC Event type ke.
OSUNB Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=0.0.
VAO Event type se. Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0. Presumed earthquake.
ISC X 31 15 36 36.1–1.5 6.41S–.04 50.08W–.09 2–13 16 0-8
VAO X 31 15 36 36.1–.47 6.41S 50.07W 0 2.3L **¶625887654**
OSUNB X 31 15 36 36.0–.32 6.44S 50.10W 0 2.9
ISC Event type ke.
VAO Event type se. Error ellipse: s-maj=3.0km s-min=2.2km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=2.2km s-min=2.7km az=0.0.

(529) Guyana.

VAO VII 06 06 40 34.9–.33 2.66N 59.53W 0 3.7 ¶626066275
VAO Event type se. Error ellipse: s-maj=2.4km s-min=1.9km az=-1.0. Presumed earthquake.
ISC VIII 14 00 25 58.3–1.9 2.2N–.20 59.7W–.10 10 11 1-15
VAO VIII 14 00 25 53.8–.41 2.43N 59.49W 0 3.7 ¶625887591
OSUNB VIII 14 00 25 58.1–.86 2.16N 59.64W 0 3.5
ISC Event type ke.
VAO Event type se. Error ellipse: s-maj=3.9km s-min=2.3km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=11.8km s-min=6.7km az=0.0.
ISC VIII 09 18 41 04.2–2.3 2.4N–.20 59.64W–.10 10 17 1-20
VAO VIII 09 18 41 01.7 2.82N 59.61W 0–6 3.9 ¶625887586
OSUNB VIII 09 18 41 03.2–.79 2.39N 59.57W 0 3.8
ISC Event type ke.
VAO Event type se. Error ellipse: s-maj=2.6km s-min=2.6km az=-1.0. Presumed earthquake.
OSUNB Event type ke. Error ellipse: s-maj=8.9km s-min=3.6km az=0.0.
ISC XI 09 04 26 14.4–2.3 2.8N–.20 59.42W–.08 10 15 1-14
OSUNB XI 09 04 26 15.9–.75 2.62N 59.37W 0 3.4 ¶625887729
VAO XI 09 04 26 15.6–.54 2.61N 59.46W 0 3.7
ISC Event type ke.
OSUNB Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=0.0.
VAO Event type se. Error ellipse: s-maj=5.0km s-min=2.8km az=-1.0. Presumed earthquake.

(530) Suriname.

IDC XII 25 12 32 28.4–432 6.01N 54.04W 0 ¶621700154
IDC Error ellipse: s-maj=255.1km s-min=170.0km az=116.0.

SEISMIC REGION 36.
Northwestern Europe.

(533) United Kingdom.

IDC X 12 12 04 01.9–709 54.00N 0.51E 0 ¶621236949
IDC Error ellipse: s-maj=370.5km s-min=184.4km az=102.0.
IDC XI 15 11 12 54.3–999 55.05N 2.50W 0 ¶621475629
IDC Error ellipse: s-maj=627.7km s-min=215.8km az=100.0.
IDC XI 03 13 26 52.9–999 52.99N 0.41E 0 ¶621412245
IDC Error ellipse: s-maj=3665.0km s-min=344.3km az=64.0.
IDC XII 06 18 03 21.7–787 54.71N 0.00E 0 ¶621632610
IDC Error ellipse: s-maj=408.7km s-min=221.0km az=100.0.
ISC XI 16 01 44 04.7–.84 56.05N–.03 5.56W–.04 10 177 0-14
NEIC XI 16 01 44 04.3–.93 56.13N–.09 5.7W–.10 10–2 3.1L ¶621409298
NAO XI 16 01 44 05.2–.60 56.02N 5.61W 10 2.2L
DNK XI 16 01 44 06.0–4.3 56.13N 5.64W 24–8 3.6L
BGS XI 16 01 44 07.0–.71 56.03N 5.54W 12–3 3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.0km az=351.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NAO Event type se. Presumed earthquake.
DNK Event type se. Error ellipse: s-maj=8.1km s-min=18.4km az=-1.0. Presumed earthquake.
BGS Event type se. Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0. Presumed earthquake.

(534) North Sea.

IDC IX 10 13 10 11.3–506 54.04N 1.75E 0 ¶621108517
IDC Error ellipse: s-maj=261.8km s-min=172.9km az=100.0.
IDC IX 02 20 08 23.8–330 54.56N 2.27E 0 ¶621080701
IDC Error ellipse: s-maj=227.6km s-min=118.6km az=150.0.
ISC VIII 20 20 36 19.3–.63 54.80N–.03 4.59E–.03 10 413 2-44
IDC VIII 20 20 36 21.0–.94 54.80N 4.54E 0 3.6b,3.5 ¶620999167
BGS VIII 20 20 36 22.2–1.2 54.75N 4.62E 10 3.8L,3.5
DNK VIII 20 20 36 23.2–2.5 54.77N 4.59E 32–7 3.3L,3.5
NAO VIII 20 20 36 23.0–.50 54.85N 4.55E 11–7 2.7L,3.5
PRU VIII 20 20 36 23.2 55.18N 5.39E 1 2.7L,3.5
BER VIII 20 20 36 23.7–2.1 54.74N 4.64E 15 3.8L,2.8L
BGR VIII 20 20 36 24.7–.52 54.68N 4.69E 12–2 3.5L,2.8L
BNS VIII 20 20 36 27.4–.59 54.38N 4.95E 5 3.3L,2.8L
UCC VIII 20 20 36 38.7–12 53.75N 4.52E 5–23 3.7L,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=12.0km az=147.0.
BGS Error ellipse: s-maj=4.6km s-min=16.7km az=-1.0.
DNK Event type ke. Error ellipse: s-maj=3.6km s-min=3.6km az=-1.0. Confirmed Earthquake.
BER Event type ke. Error ellipse: s-maj=3.7km s-min=6.5km az=-1.0. Confirmed Earthquake.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=137.0.
BNS Event type ke.
UCC Event type ke.
IDC IX 28 08 33 12.4–904 54.22N 3.80E 0 ¶621140815
IDC Error ellipse: s-maj=392.6km s-min=169.0km az=111.0.
IDC IX 17 11 22 07.4–493 56.15N 0.41W 0 ¶621112955
IDC Error ellipse: s-maj=268.5km s-min=199.8km az=90.0.
IDC IX 23 20 33 03.6–572 56.50N 1.41E 0 ¶621125882
IDC Error ellipse: s-maj=249.1km s-min=172.7km az=112.0.
IDC IX 29 09 48 49.5–557 54.07N 2.03E 0 ¶621146366
IDC Error ellipse: s-maj=266.9km s-min=174.7km az=99.0.
IDC IX 29 14 28 22.7–639 54.14N 3.44E 0 ¶621146379
IDC Error ellipse: s-maj=245.2km s-min=157.0km az=112.0.
IDC X 01 08 27 04.4–580 54.11N 7.54E 0 ¶621147820
IDC Error ellipse: s-maj=210.2km s-min=147.1km az=129.0.
IDC IX 30 13 01 36.1–560 53.39N 1.16E 0 ¶621147763
IDC Error ellipse: s-maj=312.2km s-min=211.9km az=76.0.
IDC IX 30 13 18 53.4–622 53.82N 2.69E 0 ¶621147764
IDC Error ellipse: s-maj=262.2km s-min=164.4km az=105.0.
IDC X 19 11 44 37.8–999 55.10N 3.08E 0 ¶625388234
IDC Error ellipse: s-maj=437.7km s-min=168.0km az=116.0.
IDC X 19 12 07 18.9–999 54.80N 2.48E 0 ¶621244079
IDC Error ellipse: s-maj=466.2km s-min=174.3km az=113.0.
IDC X 19 15 41 09.4–960 53.57N 4.18E 0 ¶621244088
IDC Error ellipse: s-maj=424.3km s-min=148.2km az=114.0.
IDC X 19 16 00 37.6–999 53.90N 3.66E 0 ¶621244091
IDC Error ellipse: s-maj=439.1km s-min=157.7km az=113.0.
IDC XI 10 12 58 51.5–999 55.02N 1.76E 0 ¶621440058
IDC Error ellipse: s-maj=578.7km s-min=244.3km az=96.0.
IDC XI 15 08 52 14.8–782 54.38N 0.23E 0 ¶621475616
IDC Error ellipse: s-maj=405.8km s-min=222.5km az=99.0.
IDC XI 15 09 10 07.8–507 54.53N 1.06E 0 ¶621475617
IDC Error ellipse: s-maj=254.4km s-min=192.4km az=89.0.
IDC XI 15 09 20 44.7–587 53.88N 1.15E 0 ¶621475620
IDC Error ellipse: s-maj=326.3km s-min=177.1km az=108.0.
IDC XI 17 18 37 38.0–999 55.11N 3.92E 0 ¶621494225
IDC Error ellipse: s-maj=433.1km s-min=198.2km az=117.0.
IDC XI 15 11 04 06.4–584 54.06N 1.11E 0 ¶621475628
IDC Error ellipse: s-maj=326.1km s-min=178.2km az=109.0.
IDC XI 23 13 00 30.8–999 52.78N 3.56E 0 ¶621611951
IDC Error ellipse: s-maj=468.9km s-min=166.3km az=105.0.
IDC XI 18 08 37 21.6–736 54.91N 1.63E 0 ¶621532470
IDC Error ellipse: s-maj=284.4km s-min=217.7km az=93.0.
IDC XI 18 08 57 20.3–666 53.67N 1.99E 0 ¶621532472
IDC Error ellipse: s-maj=354.0km s-min=188.1km az=106.0.
IDC XI 23 13 09 24.8–999 52.97N 3.34E 0 ¶621611952
IDC Error ellipse: s-maj=469.0km s-min=174.9km az=104.0.
IDC XI 23 18 04 00.5–534 54.58N 5.08E 0 ¶621611970
IDC Error ellipse: s-maj=216.3km s-min=161.8km az=112.0.
IDC XI 23 15 01 05.3–767 54.89N 4.98E 0 ¶621611960
IDC Error ellipse: s-maj=356.7km s-min=135.0km az=121.0.
IDC XI 23 18 24 26.9–910 54.06N 4.56E 0 ¶621611971
IDC Error ellipse: s-maj=402.1km s-min=163.8km az=116.0.
IDC XI 23 18 30 46.4–611 54.47N 3.68E 0 ¶621611972
IDC Error ellipse: s-maj=234.8km s-min=158.8km az=110.0.
IDC XI 29 13 24 04.5–999 54.70N 7.66E 0 ¶621626971
IDC Error ellipse: s-maj=477.1km s-min=217.1km az=49.0.
IDC XI 29 13 32 01.4–684 53.38N 2.28E 0 ¶621626973
IDC Error ellipse: s-maj=358.1km s-min=180.8km az=105.0.
IDC XI 29 14 41 57.6–782 53.93N 1.45E 0 ¶621626975
IDC Error ellipse: s-maj=413.8km s-min=332.5km az=74.0.
IDC XII 06 18 15 28.3–524 54.11N 1.03E 0 ¶621632612
IDC Error ellipse: s-maj=267.4km s-min=207.9km az=70.0.
IDC XII 13 13 52 54.1–677 54.53N 0.31E 0 ¶621650575
IDC Error ellipse: s-maj=366.0km s-min=202.6km az=105.0.
IDC XII 14 09 09 25.8–609 53.59N 1.20E 0 ¶621652906
IDC Error ellipse: s-maj=334.7km s-min=182.7km az=106.0.
IDC XII 14 09 18 47.9–548 54.25N 1.58E 0 ¶621652907
IDC Error ellipse: s-maj=291.2km s-min=126.9km az=109.0.
IDC XII 14 15 00 20.8–546 56.07N 3.72E 0 ¶621652930
IDC Error ellipse: s-maj=317.2km s-min=216.5km az=134.0.

(535) Southern Norway.

BER VII 12 15 10 35.1–.44 60.52N 10.65E 12–2 0.4L ¶626175503
BER Event type ke. Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0. Confirmed Earthquake.
ISC VIII 02 13 59 47.8–1.1 61.89N–.02 6.87E–.02 14–9 146 0-11
IDC VIII 02 13 59 47.6–1.5 61.85N 6.87E 0 3.0,2.8L ¶620929562
NAO VIII 02 13 59 49.7–.30 61.83N 6.99E 10 2.7L,2.8L
BER VIII 02 13 59 50.9–2.2 61.89N 6.87E 12–4 2.7L,2.7L
DNK VIII 02 14 00 30.1–2.3 58.67N 10.03E 15–104 2.7L,2.7L
ISC Event type ke.
IDC Error ellipse: s-maj=15.9km s-min=11.5km az=156.0.
BER Event type ke. Error ellipse: s-maj=2.2km s-min=4.6km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=54.9km s-min=13.9km az=-1.0. Presumed earthquake.
BER X 15 16 21 10.4–3.5 62.29N 7.43E 0–58 1.0L ¶621742769
BER Event type se. Error ellipse: s-maj=26.5km s-min=47.8km az=-1.0. Presumed earthquake.
BER XII 20 00 19 21.8–2.0 61.22N 4.26E 12–5 0.9L ¶621737359
BER Event type ke. Error ellipse: s-maj=3.1km s-min=10.7km az=-1.0. Confirmed Earthquake.
BER XII 17 02 58 38.5–1.1 59.48N 5.09E 14–2 0.9L
DNK XII 17 02 58 40.5–2.0 57.23N 5.64E 2–55 0.9L ¶635705620
BER Event type ke. Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=15.9km s-min=108.1km az=-1.0. Presumed earthquake.
ISC XII 15 02 29 46.2–.80 63.51N–.03 7.28E–.03 10 143 1-9
NAO XII 15 02 29 49.2–.60 63.34N 7.49E 8–3 2.1L ¶625346611
BER XII 15 02 29 50.0–3.3 63.45N 7.31E 15–6 2.1L,2.0L
KOGSR XII 15 02 29 55.3 63.86N 7.68E 0 1.6L,2.0L
ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=3.5km s-min=10.7km az=-1.0. Confirmed Earthquake.
KOGSR Norwegian sea.

(536) Sweden.

ISC VII 05 11 45 51.6–.67 63.47N–.01 17.36E–.02 10 163 0-7
UPP VII 05 11 45 50.9–.10 63.49N 17.28E 7 2.0L ¶620758220
HEL VII 05 11 45 51.9–.10 63.46N 17.32E 7 2.0L,1.5L
IDC VII 05 11 45 51.4–1.2 63.50N 17.18E 0 2.4,1.5L
BER VII 05 11 45 54.9–2.7 63.41N 17.51E 12–4 2.0L,1.5L
ISC Event type ke.
UPP Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Earthquake.
HEL Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0. Confirmed Earthquake.
IDC Error ellipse: s-maj=14.8km s-min=8.9km az=150.0.
BER Event type ke. Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0. Confirmed Earthquake.
IDC VIII 02 20 24 10.6–2.7 67.16N 20.93E 0 2.5,1.7L ¶620993260
IDC Error ellipse: s-maj=37.7km s-min=13.0km az=91.0.
IDC VIII 03 20 01 31.3–1.8 67.91N 20.87E 0 2.6,1.9L ¶620995891
IDC Error ellipse: s-maj=24.3km s-min=12.0km az=117.0.
ISC IX 11 23 27 52.8–.74 64.47N–.02 21.12E–.02 19–1 202 0-11
IDC IX 11 23 27 52.2–1.0 64.46N 21.04E 0 2.6,1.8L ¶621070389
UPP IX 11 23 27 53.8–.00 64.47N 21.16E 19 2.7L,1.8L
DNK IX 11 23 27 54.0–1.5 64.49N 21.13E 6–270 2.7L,1.8L
HEL IX 11 23 27 54.2 64.48N 21.12E 16 2.5L,1.8L
KOGSR IX 11 23 27 54.8 64.65N 21.40E 0 2.2L,1.8L
BER IX 11 23 27 56.2–2.0 64.48N 21.14E 19 2.7L,2.2L
ISC Event type ke.
IDC Error ellipse: s-maj=11.7km s-min=8.7km az=123.0.
UPP Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Earthquake.
DNK Event type ke. Error ellipse: s-maj=228.7km s-min=324.6km az=-1.0. Confirmed Earthquake.
HEL Event type ke. Confirmed Earthquake.
KOGSR Gulf of Bothnia.
BER Event type ke. Error ellipse: s-maj=5.0km s-min=15.6km az=-1.0. Confirmed Earthquake.
IDC IX 15 15 44 54.9–1.3 62.48N 16.90E 0 2.5,1.4L ¶621111995
IDC Error ellipse: s-maj=17.5km s-min=9.9km az=152.0.
IDC IX 28 10 39 42.2–435 63.45N 20.86E 0 ¶621140826
IDC Error ellipse: s-maj=180.8km s-min=115.5km az=174.0.
IDC IX 28 13 17 44.5–347 66.57N 22.50E 0 ¶621140831
IDC Error ellipse: s-maj=155.1km s-min=62.2km az=154.0.
IDC IX 28 13 33 28.2–345 66.69N 22.47E 0 ¶621140833
IDC Error ellipse: s-maj=154.5km s-min=60.2km az=153.0.
IDC IX 28 13 04 21.9–343 67.17N 22.00E 0

¶621140830
IDC Error ellipse: s-maj=145.9km s-min=51.6km az=150.0.
HEL X 18 05 46 24.0–.10 68.26N 20.30E 10 0.8L
¶621217253
HEL Event type ke. Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0. Confirmed Earthquake.
UPP X 15 16 20 43.0–.30 67.79N 20.34E 0 1.9L
¶635806550
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
IDC X 19 10 28 14.2–2.9 67.72N 21.29E 0 3.3,2.1L
¶621244075
IDC Error ellipse: s-maj=35.1km s-min=16.3km az=112.0.
ISC XI 12 19 36 20.2–1.2 65.43N–.02 23.14E–.02 18–5 202 0-7
IDC XI 12 19 36 19.1–1.2 65.45N 22.78E 0 2.8,1.7L ¶621401796
UPP XI 12 19 36 20.7–.20 65.41N 23.15E 20–1 2.5L,1.7L
KOGSR XI 12 19 36 21.4 65.52N 23.45E 0 2.2L,1.7L
HEL XI 12 19 36 21.0 65.43N 23.14E 10 2.5L,2.5L
BER XI 12 19 36 22.0–2.5 65.35N 23.32E 20 2.5L,2.5L
ISC Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=9.8km az=98.0.
UPP Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=17.7km s-min=9.1km az=10.0. Gulf of Bothnia.
HEL Event type ke. Confirmed Earthquake.
BER Event type ke. Error ellipse: s-maj=3.8km s-min=10.9km az=-1.0. Confirmed Earthquake.
IDC XI 18 18 01 19.5–1.7 67.09N 21.57E 0 3.0,1.7L
¶621532493
IDC Error ellipse: s-maj=35.2km s-min=14.4km az=113.0.
ISC XI 19 18 17 51.5–2.6 67.8N–.10 20.4E–.10 10 9 0-1
UPP XI 19 18 17 49.9–.40 67.72N 20.60E 0 2.5L ¶621743254
ISC Event type se.
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
UPP XI 30 12 43 19.0–.10 67.81N 20.24E 0 1.9L
¶621743447
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
IDC XII 03 11 15 13.2–2.7 67.64N 21.14E 0 2.7,2.0L
¶621630591
IDC Error ellipse: s-maj=39.6km s-min=18.9km az=109.0.
ISC XII 14 08 48 08.4–1.1 67.85N–.04 20.20E–.03 8–12 15 0-1
UPP XII 14 08 48 08.6–.00 67.86N 20.19E 0 2.5L ¶621743668
ISC Event type se.
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
UPP XII 16 20 50 54.3–.30 67.78N 20.24E 0 2.5L
¶621743720
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
UPP XII 20 00 19 35.8–.30 67.81N 20.36E 0 2.0L
¶636235715
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.
UPP XII 20 08 03 34.2–.30 67.82N 20.32E 0 2.1L
¶636235724
UPP Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Presumed earthquake.

(537) Baltic Sea.

IDC X 11 12 53 07.9–460 55.67N 18.32E 0
¶621236883
IDC Error ellipse: s-maj=164.8km s-min=128.9km az=29.0.

(538) France.

LDG VII 11 12 51 24.8–.13 47.94N 6.43E 5 1.3
¶626517543
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=37.0.
STR VII 20 00 09 00.6–.03 45.4N–.10 6.56E–.09 10–0 0.7
LDG VII 20 00 09 00.5–.06 45.42N 6.57E 5 1.9 ¶626517527
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=124.0.
ISC IX 01 03 45 19.8–.85 43.04N–.01 0.08E–.01 18–2 216 0-5
STR IX 01 03 45 20.6–.01 43.01N–.06 0.06E–.04 4–0 1.9 ¶621142116
MDD IX 01 03 45 20.9–.22 43.01N 0.05E 1–1 2.3
LDG IX 01 03 45 20.2–.06 43.04N 0.07E 10 2.5L,2.2
MRB IX 01 03 45 20.5–.20 43.01N 0.07E 11–1 1.7L,2.2
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
MDD Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=7.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=125.0.
MRB Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=241.0.
ISC VIII 20 13 47 40.9–.35 46.72N–.01 0.82W–.01 16–2 145 0-9
LDG VIII 20 13 47 41.8–.07 46.74N 0.87W 5 3.9L,3.9 ¶621039233
STR VIII 20 13 47 42.0–.01 46.74N–.07 0.86W–.08 4–0 3.5,3.9
INMG VIII 20 13 47 43.4–1.9 46.80N 0.85W 14–10 2.8L,3.9
BGR VIII 20 13 47 43.8–.75 46.68N 0.65W 10 3.8L,3.9
SFS VIII 20 13 48 41.0 38.44N 6.47W 0 1.9L,1.8
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=53.0.
STR Event type se. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
INMG Event type ke. Error ellipse: s-maj=6.9km s-min=4.8km az=64.0. #DIST_RANGE: REGIONAL #IPMA_REGION: France.
BGR Event type ke. Error ellipse: s-maj=23.3km s-min=6.7km az=169.0.
STR VII 31 02 01 06.3–.07 44.6N–.20 6.7E–.30 7–0 0.3
¶626067280
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
ISC VIII 07 13 17 49.0–.78 43.04N–.01 0.61E–.01 14–5 225 0-6
STR VIII 07 13 17 50.2–.01 43.01N–.09 0.59E–.05 5–0 2.1 ¶621039033
LDG VIII 07 13 17 50.0–.06 43.02N 0.59E 5 3.1,2.9L
MRB VIII 07 13 17 50.2–.30 43.01N 0.59E 5–2 2.0L,2.9L
MDD VIII 07 13 17 50.7–.21 43.00N 0.59E 2–1 2.4,2.9L
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=16.0.
MRB Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=20.0.
MDD Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=11.0.
ISC IX 24 19 20 35.7–.83 48.53N–.01 6.31E–.01 17–6 208 0-6
LDG IX 24 19 20 36.1–.03 48.52N 6.31E 7 2.6L,2.6 ¶621140580
STR IX 24 19 20 36.2–.01 48.53N–.04 6.34E–.04 11–0 2.3,2.6
UCC IX 24 19 20 36.6 48.53N 6.48E 22–6 2.5L,2.6
BNS IX 24 19 20 36.7–.63 48.55N 6.35E 7–3 1.8L,2.6
BGR IX 24 19 20 36.1–.38 48.53N 6.33E 12–6 2.1L,2.6
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=173.0.
STR Event type se. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
UCC Event type ke.
BNS Event type ke.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=62.0.
ISC IX 08 05 29 50.7–.81 44.77N–.01 6.65E–.01 7–5 197 0-4
GEN IX 08 05 29 50 44.78N 6.63E 5–1 1.8L ¶621140234
LDG IX 08 05 29 50.9–.06 44.79N 6.66E 2 2.5L,2.5
STR IX 08 05 29 50.7–.00 44.78N–.03 6.66E–.04 8–0 2.2,2.5
ROM IX 08 05 29 50.2–.22 44.783N–.01 6.62E–.01 10–1 1.8L,2.5
ISC Event type ke.
LDG Event type ke.
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC XI 01 22 15 40.0–.74 47.123N–.01 6.55E–.01 15–4 575 0-7
ZUR XI 01 22 15 39.6 47.13N 6.56E 14–0 3.1 ¶621252414
STR XI 01 22 15 39.9–.01 47.14N–.04 6.54E–.05 13–0 3.1
LDG XI 01 22 15 40.1–.03 47.12N 6.54E 8 3.3L,2.5
BGR XI 01 22 15 40.2–.41 47.16N 6.60E 10 3.0L,2.5
PRU XI 01 22 15 50.2 47.32N 7.09E 9 3.0L,2.5
ISC Event type ke.
ZUR Event type ke. Error ellipse: s-maj=1239.9km s-min=509.6km az=151.0.
STR Event type se. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=119.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=42.0.
STR X 10 00 32 30.6–.05 48.0N–.10 6.5E–.10 17–0 0.9
LDG X 10 00 32 30.1–.05 47.99N 6.53E 20 1.5 ¶626068518
STR Event type se. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=158.0.
ISC XI 08 11 04 37.7–.98 45.28N–.01 6.78E–.01 3–9 135 0-3
GEN XI 08 11 04 36.5 45.29N 6.79E 2–0 1.8L ¶621718249
ROM XI 08 11 04 36.5–.12 45.281N–.00 6.800E–.01 6–0 1.9L
STR XI 08 11 04 37.3–.01 45.28N–.05 6.79E–.06 1 2.1
LDG XI 08 11 04 37.5–.06 45.27N 6.83E 2 2.6L,2.3
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.4km az=129.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=97.0.
ISC XII 25 14 49 39.5–.74 47.377N–.01 6.902E–.01 16–4 736 0-7
GFZ XII 25 14 49 39.2–.19 47N–2.0 7E–2.0 5 4.7b,4.1b ¶621653375
ZUR XII 25 14 49 39.9 47.37N 6.91E 5–1 3.6,4.1b
STR XII 25 14 49 40.5 47.4N–.30 6.9E–.40 9–0 3.6,4.1b
PRU XII 25 14 49 40.2 47.42N 6.84E 10 3.6,4.1b
BGR XII 25 14 49 40.1–.57 47.37N 6.92E 10 3.3L,4.1b
LDG XII 25 14 49 40.3–.03 47.38N 6.91E 2 3.8L,3.4
BNS XII 25 14 49 41.9–.83 47.50N 7.08E 5 3.2L,3.4
ISC Event type ke.
GFZ Error ellipse: s-maj=4.9km s-min=3.3km az=106.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ZUR Event type ke. Error ellipse: s-maj=3283.2km s-min=408.3km az=164.0.
STR Event type se. NonLinLoc. earthModelID Haslach 1D. hypocenter. preliminary. manual.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=15.0.
LDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=127.0.
BNS Event type ke.
LDG XII 01 23 56 00.0–.11 45.46N 6.68E 5 1.0
¶636235742
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=1.7km az=93.0.
STR XII 01 23 56 27.0–.08 44.7N–.30 6.7E–.30 7–0 0.3
¶626069650
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
ISC XII 24 23 59 56.4–.70 47.381N–.01 6.911E–.01 11–4 3.8b 926 0-81
IDC XII 24 23 59 55.5–.95 47.39N 6.86E 0 3.6,3.5b ¶621653116
NEIC XII 24 23 59 55.9–1.5 47.38N–.02 6.82E–.08 9–5 4.1b,3.5b
GFZ XII 24 23 59 56.8–.73 47N–2.0 7E–2.0 11–6 4.4b,4.2
STR XII 24 23 59 56.9–.01 47.37N–.06 6.91E–.06 13–0 4.0L,4.2
ZUR XII 24 23 59 56.4 47.38N 6.91E 6–1 4.1,4.2
BGR XII 24 23 59 56.3–.55 47.35N 6.92E 10 3.8L,4.2
LDG XII 24 23 59 57.0–.04 47.39N 6.92E 2 4.3L,4.1
BNS XII 24 23 59 58.2–.68 47.47N 7.08E 5 3.7L,4.1
PRU XII 24 23 59 59.5 47.31N 7.11E 10 4.1,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=9.0km az=178.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.3km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=4.4km s-min=3.7km az=92.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
STR Event type se. LOCSAT. earthModelID haslach_taup-2.4.5. hypocenter. confirmed. manual.
ZUR Event type ke. Error ellipse: s-maj=2690.2km s-min=401.9km az=156.0.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=8.0.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=141.0.
BNS Event type ke.

(540) The Netherlands.

IDC IX 22 19 31 27.3–676 53.87N 5.45E 0
¶621118174
IDC Error ellipse: s-maj=303.9km s-min=133.1km az=121.0.
ISC XI 15 02 17 21.6–1.0 51.45N–.04 5.16E–.02 31–6 141 0-9
BGR XI 15 02 17 22.8–.45 51.38N 5.27E 23–0 2.3L ¶621406839
UCC XI 15 02 17 23.7–.58 51.35N 5.27E 29–1 2.4L
BNS XI 15 02 17 23.8–.72 51.38N 5.28E 26–1 2.3L
LDG XI 15 02 17 24.6–.26 51.32N 5.32E 25 2.8L,2.8
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=2.2km az=133.0.
UCC Event type ke.
BNS Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=178.0.
IDC XII 06 16 53 40.5–886 53.44N 6.15E 0
¶621632605
IDC Error ellipse: s-maj=375.5km s-min=160.4km az=117.0.
IDC XI 23 14 44 56.9–731 53.86N 5.21E 0
¶621611959
IDC Error ellipse: s-maj=318.3km s-min=140.8km az=123.0.
IDC XII 20 13 26 32.7–878 52.57N 5.94E 0
¶621685614
IDC Error ellipse: s-maj=338.4km s-min=124.2km az=123.0.

(543) Germany.

ISC VIII 05 04 03 58.1–.77 50.17N–.01 12.48E–.02 12–3 154 0-3
GFZ VIII 05 04 03 57.4–.24 50N–2.0 13E–3.0 5–4 2.7,2.6L ¶620969567
IPEC VIII 05 04 03 58.1–.11 50.17N 12.47E 10–1 2.5L,2.6L
WBNET VIII 05 04 03 58.5 50.17N 12.47E 9 2.7L,2.6L
CLL VIII 05 04 03 58.9–.28 50.2N–.50 12.5E–.80 8–0 2.7L,2.6L
BGR VIII 05 04 03 58.3–.46 50.18N 12.44E 12–3 2.3L,2.6L
ISC Event type ke.
GFZ Error ellipse: s-maj=6.2km s-min=4.0km az=117.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IPEC Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=81.0.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=2.2km az=94.0.
ISC VIII 01 19 59 06.6–.85 47.36N–.02 9.74E–.01 10–6 88 0-5
BGR VIII 01 19 59 06.7–.20 47.34N 9.70E 5 1.9L ¶620969898
VIE VIII 01 19 59 06.4–.23 47.33N 9.66E 8–2 2.2L,2.1b
LDG VIII 01 19 59 06.4–.13 47.31N 9.68E 10 2.5,2.3L
PRU VIII 01 19 59 07.0 47.39N 9.75E 5 2.5,2.3L
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=14.0.
VIE Error ellipse: s-maj=1.4km s-min=1.1km az=32.0. 2 km SE of Gtzis .
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=66.0.
ISC IX 13 10 36 31.0–.72 48.32N–.01 9.02E–.01 15–3 353 0-7
GFZ IX 13 10 36 30.6–.22 48N–2.0 9E–1.0 4–2 3.7b,3.4 ¶621071760
BGR IX 13 10 36 31.7–.12 48.32N 9.04E 10 3.2L,3.4
LDG IX 13 10 36 31.8–.05 48.31N 9.04E 5 3.5L,3.0
BNS IX 13 10 36 33.7–.66 48.48N 9.13E 5 2.8L,3.0
PRU IX 13 10 36 37.3 48.33N 9.39E 10 2.8L,3.0
ISC Event type ke.
GFZ Error ellipse: s-maj=3.7km s-min=2.7km az=143.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=22.0.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=155.0.
BNS Event type ke.
IDC XII 20 13 41 43.9–827 52.84N 7.25E 0
¶621685620
IDC Error ellipse: s-maj=314.5km s-min=125.6km az=130.0.

(544) Switzerland.

ISC VII 01 11 11 50.1–.64 46.618N–.01 8.357E–.01 11–3 945 0-34
IDC VII 01 11 11 49.4–1.1 46.75N 8.31E 0 4.5b,3.8 ¶620673301
ROM VII 01 11 11 49.7–.09 46.609N–.00 8.359E–.01 6–0 3.7L,3.8
GEN VII 01 11 11 49.3 46.62N 8.36E 12–2 3.8L,3.8
VIE VII 01 11 11 49.6–.53 46.62N 8.40E 8 3.8s,3.7L
ZUR VII 01 11 11 50.4 46.62N 8.38E 7–0 4.0,3.7L

PRU VII 01 11 11 51.0 46.68N 8.35E 10 4.0,3.7L
LDG VII 01 11 11 51.0–.08 46.58N 8.42E 8 4.2L,3.2
GFZ VII 01 11 11 51.5–.15 47N–2.0 8E–2.0 10 4.3b,4.1
BGR VII 01 11 11 51.2–.50 46.63N 8.37E 10 4.1L,4.1
BNS VII 01 11 11 52.6–.65 46.69N 8.35E 9–2 3.6L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=10.0km az=159.0.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.4km az=125.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=4.7km s-min=2.1km az=11.0.
ZUR Event type ke. Error ellipse: s-maj=1225.8km s-min=421.3km az=255.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=131.0.
GFZ Error ellipse: s-maj=4.1km s-min=3.2km az=148.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=5.6km az=59.0.
BNS Event type ke.
ISC VII 09 05 09 08.1–.82 46.36N–.01 6.96E–.01 2–5 188 0-6
BGR VII 09 05 09 07.5–1.2 46.36N 6.86E 10 2.7L **¶620783829**
GEN VII 09 05 09 07.2 46.36N 7.01E 5–2 2.0L
ZUR VII 09 05 09 08.0 46.35N 6.99E -1–0 2.6
STR VII 09 05 09 08.3–.02 46.36N–.04 6.99E–.06 0–0 2.5
LDG VII 09 05 09 08.8–.06 46.33N 7.01E 2 3.1L,3.0
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=15.6km s-min=10.0km az=125.0.
ZUR Event type ke. Error ellipse: s-maj=808.4km s-min=431.3km az=351.0.
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=87.0.
ZUR VII 11 12 51 51.3 46.29N 7.24E 1–2 0.4
¶620787483
ZUR Event type ke. Error ellipse: s-maj=4099.4km s-min=868.9km az=179.0.
ZUR VII 20 00 09 31.8 46.28N 7.23E 2–0 0.8
¶620834122
ZUR Event type ke. Error ellipse: s-maj=1221.6km s-min=207.5km az=236.0.
ZUR VII 20 08 53 55.9 46.28N 7.11E 2–0 0.8
¶620837796
ZUR Event type ke. Error ellipse: s-maj=733.5km s-min=242.4km az=109.0.
ISC VII 23 15 50 13.1–.95 46.36N–.02 7.00E–.01 2–8 106 0-3
GEN VII 23 15 50 12.2 46.35N 7.01E 6–2 1.4L **¶620982962**
LDG VII 23 15 50 13.0–.11 46.36N 6.99E 2 2.5L,2.5
STR VII 23 15 50 13.2–.02 46.35N–.06 7.00E–.06 1–0 1.9,2.5
ISC Event type ke.
LDG Event type ke.
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
ISC VIII 19 00 01 27.0–.86 46.33N–.01 7.18E–.01 9–6 123 0-5
GEN VIII 19 00 01 26.6 46.32N 7.23E 6–1 1.8L **¶621000746**
LDG VIII 19 00 01 27.4–.07 46.30N 7.20E 2 2.8,2.6L
ROM VIII 19 00 01 27.5–.26 46.269N–.01 7.22E–.01 9–1 1.9L,2.6L
PRU VIII 19 00 01 29.4 46.35N 7.20E 1 1.9L,2.6L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=174.0.
ROM Event type se. Error ellipse: s-maj=1.0km s-min=0.6km az=38.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VIII 09 16 47 12.3–.94 46.62N–.02 6.38E–.02 16–8 67 0-3
LDG VIII 09 16 47 13.3–.04 46.62N 6.41E 4 2.6L,2.6 **¶621039053**
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=95.0.
ISC VIII 07 18 08 57.2–.89 46.56N–.03 9.35E–.02 10–6 62 0-4
GEN VIII 07 18 08 56.3 46.58N 9.34E 3–2 1.7L **¶621039034**
PRU VIII 07 18 08 56.4 46.98N 8.77E 0 1.7L
VIE VIII 07 18 08 57.0–.24 46.56N 9.38E 10–0 2.0L,1.9b
LDG VIII 07 18 08 58.2–.19 46.57N 9.37E 3 2.6,2.2L
ISC Event type ke.
VIE Error ellipse: s-maj=1.7km s-min=1.1km az=70.0. 19 km SW of Tiefencastel .
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=137.0.
ZUR VIII 18 10 27 15.4 46.31N 7.19E 5–2 0.4
¶620996196
ZUR Event type ke. Error ellipse: s-maj=3895.9km s-min=585.8km az=184.0.
ISC VIII 20 23 06 11.2–.88 46.31N–.02 7.23E–.02 8–7 47 0-3
LDG VIII 20 23 06 10.9–.08 46.31N 7.19E 2 2.0,1.8L **¶626714516**
GEN VIII 20 23 06 10.6 46.32N 7.24E 5–1 0.9L,1.8L
ISC Event type ke.
LDG Event type ke.
ZUR VIII 20 23 06 55.5 46.31N 7.20E 6–2 1.5
¶621000790
ZUR Event type ke. Error ellipse: s-maj=3837.1km s-min=540.2km az=160.0.
ISC XII 30 07 43 14.7–.85 46.04N–.01 7.40E–.01 3–6 256 0-6
GEN XII 30 07 43 13.6 46.05N 7.40E 4–1 2.2L **¶621657286**
ROM XII 30 07 43 13.7–.13 45.996N–.01 7.44E–.01 1–1 2.2L
LDG XII 30 07 43 14.9–.07 46.03N 7.43E 2 2.8L,2.8
ZUR XII 30 07 43 14.7 46.05N 7.40E 1–0 2.5,2.8
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.6km az=306.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=104.0.
ZUR Event type ke. Error ellipse: s-maj=1232.9km s-min=402.5km az=357.0.
ZUR X 28 09 38 34.9 47.71N 7.51E 12–2 1.3
¶635806526
ZUR Event type ke. Error ellipse: s-maj=5639.4km s-min=1809.5km az=121.0.
ZUR XII 26 08 38 54.6 46.05N 6.82E 1–1 1.5
LDG XII 26 08 38 54.7–.06 46.04N 6.84E 2 1.8,1.5L **¶621653520**
STR XII 26 08 38 54.8–.01 46.04N–.07 6.81E–.07 4–0 1.6,1.5L
ROM XII 26 08 38 55.3–.19 46.006N–.01 6.91E–.01 10 1.0L,1.5L
ZUR Event type ke.
LDG Event type ke.
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR IX 13 22 55 41.8 46.32N 7.35E 4–0 1.4
GEN IX 13 22 55 41.1 46.32N 7.37E 5–0 0.8L **¶621076664**
ZUR Event type ke. Error ellipse: s-maj=1280.1km s-min=373.5km az=303.0.
STR XII 03 12 21 46.5 47.7N–.50 7.6E–.40 4–0 1.3
¶621718620
STR Event type se. NonLinLoc. earthModelID Haslach 1D. hypocenter. preliminary. manual.
ISC X 18 18 15 46.9–.92 46.91N–.02 9.13E–.01 11–7 130 0-5
ROM X 18 18 15 46.5–.30 46.93N–.02 9.14E–.01 8–3 2.1L **¶621234772**
VIE X 18 18 15 47.0–.21 46.90N 9.14E 2 2.5L,2.2b
LDG X 18 18 15 47.9–.13 46.89N 9.16E 2 2.7,2.5L
PRU X 18 18 15 48.9 47.16N 9.02E 1 2.7,2.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=2.4km s-min=1.2km az=0.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=1.6km s-min=1.2km az=162.0. 24 km SSE of Glarus .
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=11.0.

(545) Northern Italy.

ISC VII 07 09 46 27.4–.87 44.11N–.02 7.17E–.02 12–5 76 0-1
GEN VII 07 09 46 26.5 44.11N 7.16E 17–0 1.1L **¶620983120**
STR VII 07 09 46 27.3–.01 44.11N–.06 7.17E–.05 9–0 1.4
LDG VII 07 09 46 27.3–.04 44.11N 7.17E 5 2.5L,2.3
ISC Event type ke.
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=14.0.
ISC VII 11 10 56 19.9–.54 44.52N–.01 12.81E–.02 10 515 0-86
IDC VII 11 10 56 19.8–1.0 44.56N 12.97E 0 3.7b,3.7 **¶620787472**
PDG VII 11 10 56 21.5–.51 44.46N 12.71E 66–3 4.1L,3.7
ROM VII 11 10 56 21.7–.07 44.479N–.00 12.811E–.01 33–0 4.0L,3.7
GFZ VII 11 10 56 22.4–.27 45N–3.0 13E–2.0 10 4.2b,4.0
LDG VII 11 10 56 22.9 44.44N 12.83E 30 4.2b,4.0
PRU VII 11 10 56 24.3 44.72N 12.97E 10 4.2,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=14.2km s-min=9.5km az=108.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.2km az=81.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
LDG Event type ke.
GEN VIII 28 11 23 23.7 44.57N 9.00E 8–1 1.3L
¶621828101
STR VIII 22 01 01 52.3–.01 44.0N–.10 7.64E–.07 1–0 0.2
¶626067601
STR Event type se. LOCSAT. earthModelID pyrenees_taup-2.11. hypocenter. preliminary. manual.
ISC VIII 01 03 21 26.9–1.3 45.36N–.05 13.03E–.04 11–14 19 0-1
¶626713259
ISC Event type ke.
ROM VIII 15 06 02 20.6–.09 46.703N–.01 10.178E–.01 9–0 1.9L
VIE VIII 15 06 02 20.6–.28 46.72N 10.19E 7–4 2.4L,1.8b **¶620989820**
PRU VIII 15 06 02 23.0 46.80N 10.26E 1 2.4L,1.8b
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.3km az=209.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=1.1km s-min=1.0km az=148.0. 28 km WSW of Reschenpass .
ROM IX 07 02 00 22.5–.08 44.130N–.01 10.862E–.01 11–0 1.1L
GEN IX 07 02 00 22.2 44.13N 10.87E 14–1 0.8L **¶621828149**
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.2km az=177.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IX 07 04 11 19.0–.12 44.122N–.01 10.854E–.01 10–0 1.1L
¶626468996
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IX 07 11 15 38.5–.09 44.134N–.01 10.869E–.01 10–0 1.2L
¶626469014
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
GEN IX 07 02 28 00.7 44.16N 10.84E 13–1 0.2L
¶635706653
ROM IX 07 02 39 16.6–.09 44.130N–.00 10.858E–.01 13–1 1.2L
GEN IX 07 02 39 15.9 44.14N 10.86E 15–1 0.7L **¶621828161**
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=357.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR IX 08 16 32 36.8 45.89N 7.01E 4–1 1.2
GEN IX 08 16 32 35.9 45.90N 7.01E 7–0 1.0L **¶621044096**
STR IX 08 16 32 36.4–.02 45.88N–.08 7.01E–.08 12–0 0.9
LDG IX 08 16 32 36.4–.10 45.87N 7.00E 5 1.7
ZUR Event type ke. Error ellipse: s-maj=3408.7km s-min=958.7km az=224.0.
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=97.0.
ISC IX 15 19 33 40.1–.87 44.68N–.01 9.92E–.01 18–6 454 0-19
IDC IX 15 19 33 36.4–2.4 44.52N 10.24E 0 3.4,3.2L **¶621079010**
BGR IX 15 19 33 39.8–.50 44.57N 9.88E 10 3.3L,3.2L
GEN IX 15 19 33 39.4 44.69N 9.98E 18–1 3.3L,3.2L
PRU IX 15 19 33 39.8 44.80N 9.84E 10 3.3L,3.2L
GFZ IX 15 19 33 40.7–.23 45N–3.0 10E–2.0 10 4.2b,3.7
ROM IX 15 19 33 40.5–.07 44.674N–.01 9.920E–.01 25–0 3.3L,3.7
LDG IX 15 19 33 41.8–.08 44.61N 9.99E 15 3.5L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=35.6km s-min=16.6km az=133.0.
BGR Event type ke. Error ellipse: s-maj=10.0km s-min=6.7km az=38.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.3km az=267.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.3km az=39.0.
ROM IX 22 04 27 21.2–.10 46.167N–.01 12.737E–.01 10–0 1.3L
¶624734983
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IX 17 12 14 52.1–.83 44.72N–.02 10.40E–.02 24 134 0-5
GEN IX 17 12 14 51.3 44.69N 10.40E 29–2 2.3L **¶621140435**
ROM IX 17 12 14 52.3–.07 44.736N–.01 10.40E–.01 24–1 2.6L
LDG IX 17 12 14 53.4–.14 44.70N 10.37E 10 2.8L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.8km s-min=0.6km az=105.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=58.0.
ISC IX 29 14 20 39.1–.68 45.93N–.01 12.01E–.01 15–4 456 0-18
NAO IX 29 14 19 48.1 40.96N 12.76E 33 3.2b **¶621112997**
IDC IX 29 14 20 36.0–2.9 45.76N 12.29E 0 3.4,2.7L
ROM IX 29 14 20 38.8–.04 45.943N–.00 12.014E–.00 11–0 3.6L,3.3W
BEO IX 29 14 20 39.6–.60 45.86N 12.01E 10–3 3.8L,3.3W
LDG IX 29 14 20 40.0–.22 45.87N 12.10E 2 3.5L,3.3W
GFZ IX 29 14 20 41.3–.23 46N–2.0 12E–2.0 10 5.5b,4.9
PRU IX 29 14 20 42.0 46.02N 12.02E 10 5.5b,4.9
BGR IX 29 14 20 42.9–.37 46.03N 11.97E 10 3.6L,4.9
BNS IX 29 14 20 44.0–.52 46.11N 12.00E 10 3.6L,4.9
ISC Event type ke.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=31.2km s-min=16.1km az=153.0.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.2km az=154.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}9.98 $M_{\theta\theta}$-6.80 $M_{\phi\phi}$-3.17 $M_{r\theta}$1.70 $M_{\theta\phi}$-3.27 $M_{\phi r}$0.23 NP1: ϕ_s63.00000°,δ50.00000°,λ94.00000°. NP2:ϕ_s236.00000°,δ40.00000°,λ85.00000°. $M_0$9.50489×10^{13}
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=107.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=176.0.
BNS Event type ke.
ISC IX 28 00 45 55.1–.65 45.93N–.01 12.02E–.01 16–3 553 0-85
IDC IX 28 00 45 53.8–1.7 45.87N 12.08E 0 3.4b,3.4 **¶621111124**
ROM IX 28 00 45 55.0–.04 45.947N–.00 12.022E–.00 11–0 3.6L,3.4W
PDG IX 28 00 45 55.3–.54 45.90N 12.05E 16–0 4.0L,3.4W
PRU IX 28 00 45 55.5 45.86N 11.96E 10 4.0L,3.4W
BEO IX 28 00 45 56.2–.50 45.85N 12.07E 6–2 4.0L,3.4W
NAO IX 28 00 45 56.4 45.95N 12.02E 10 3.4b,3.4W
GFZ IX 28 00 45 57.2–.20 46N–2.0 12E–2.0 10 4.6b,4.6b
BGR IX 28 00 45 58.2–.31 46.00N 12.03E 10 3.9L,4.6b
BNS IX 28 00 45 58.0–.65 46.04N 12.23E 10 3.9L,4.6b
LDG IX 28 00 45 59.8–.37 45.88N 11.83E 10 3.4L,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=10.4km az=154.0.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=150.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}1.30 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$-0.53 $M_{r\theta}$0.63 $M_{\theta\phi}$-0.49 $M_{\phi r}$0.51 NP1: ϕ_s52.00000°,δ62.00000°,λ90.00000°. NP2:ϕ_s232.00000°,δ28.00000°,λ91.00000°. $M_0$1.46777×10^{14}

PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
BEO Event type ke.
NAO Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=7.0.
BNS Event type ke.
LDG Event type ke. Error ellipse: s-maj=7.2km s-min=4.9km az=92.0.

ISC	**IX**	**28 00 46 44.8–.78**	**45.95N–.02**	**12.02E–.01**	**13–4**			**116**	**0-8**
ROM	IX	28 00 46 44.8–.05	45.940N–.00	12.016E–.01	10–0	3.6L			**¶626512659**

ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC	**IX**	**28 16 58 30.4–.92**	**45.19N–.01**	**11.99E–.02**	**14–7**			**221**	**0-6**
ZUR	IX	28 16 58 30.8	45.23N	11.84E	-5–3	3.1			**¶621112130**
ROM	IX	28 16 58 31.0–.08	45.180N–.00	11.938E–.01	20–1	2.8L			
PRU	IX	28 16 58 33.2	45.24N	12.04E	1	2.8L			

ISC Event type ke.
ZUR Event type ke. Error ellipse: s-maj=6928.8km s-min=2891.9km az=124.0.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.3km az=107.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC	**X**	**03 15 42 17.2–.86**	**46.69N–.01**	**10.77E–.01**	**10–7**			**178**	**0-5**
VIE	X	03 15 42 16.8–.15	46.68N	10.78E	8–2	2.8L,2.3b			**¶621117499**
NEIC	X	03 15 42 17.5–1.5	46.67N–.03	10.80E–.02	10–1	2.5L,2.3b			
ROM	X	03 15 42 17.2–.08	46.672N–.00	10.751E–.01	11–0	2.8L,2.3b			
PRU	X	03 15 42 20.5	46.80N	10.81E	0	2.8L,2.3b			

ISC Event type fe.
VIE Event type fe. Error ellipse: s-maj=0.9km s-min=0.7km az=0.0. 6 km N of Silandro .
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=2.9km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=208.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM	**XII**	**28 17 29 56.0–.10**	**44.838N–.01**	**9.98E–.01**	**21–1**	**2.4L**			
GEN	XII	28 17 29 55.0	44.82N	9.95E	21–1	2.1L			**¶621825648**

ROM Event type se. Error ellipse: s-maj=1.0km s-min=0.3km az=106.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ZUR	**X**	**13 23 24 27.2**	**45.98N**	**7.51E**	**1–1**	**1.1**			
GEN	X	13 23 24 26.2	45.99N	7.51E	3–0	0.6L			**¶621196186**

ZUR Event type ke. Error ellipse: s-maj=1864.0km s-min=731.6km az=301.0.

ISC	**XII**	**18 10 34 46.5–.67**	**45.63N–.01**	**9.57E–.01**	**27–4**	**4.1b**		**1071**	**0-84**
IDC	XII	18 10 34 42.0–.96	45.55N	9.68E	0	3.8L,3.7b			**¶621633483**
MOS	XII	18 10 34 43.1–.98	45.63N	9.71E	11	4.2b,3.7b			
GFZ	XII	18 10 34 46.3–.44	46N–1.0	10E–1.0	18–4	5.0b,4.5			
PRU	XII	18 10 34 47.7	45.70N	9.82E	10	4.5,4.5			
ROM	XII	18 10 34 47.3–.06	45.645N–.00	9.590E–.01	31–0	4.4L,3.9W			
ZUR	XII	18 10 34 47.6	45.62N	9.61E	26–1	4.4,3.9W			
NEIC	XII	18 10 34 47.8–1.1	45.66N–.05	9.59E–.05	38–7	4.5b,3.9W			
BGR	XII	18 10 34 47.1–.27	45.63N	9.60E	10	4.3L,3.9W			
BNS	XII	18 10 34 48.0–.63	45.75N	9.63E	10	4.4L,3.9W			
LDG	XII	18 10 34 49.1	45.63N	9.64E	26	4.4L,3.9W			

ISC Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=10.1km az=144.0.
MOS Error ellipse: s-maj=5.0km s-min=3.3km az=66.0.
GFZ Error ellipse: s-maj=3.0km s-min=2.7km az=140.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.1km az=337.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.64 $M_{\theta\theta}$4.91 $M_{\phi\phi}$-4.27 $M_{r\theta}$4.10 $M_{\theta\phi}$-4.07 $M_{\phi r}$1.92 NP1: ϕ_s247.00000°,δ87.00000°,λ-143.00000°. NP2:ϕ_s155.00000°,δ53.00000°,λ-4.00000°. M_o7.63965×10^{14}

ZUR Event type ke. Error ellipse: s-maj=2957.5km s-min=821.0km az=349.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.5km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=24.0.
BNS Event type ke.
LDG Event type ke.

ISC	**X**	**05 05 39 25.6–.58**	**45.970N–.01**	**7.51E–.01**	**6–3**	**4.0b,3.4s**		**895**	**0-132**
ROM	X	05 05 39 24.4–.15	45.965N–.01	7.500E–.01	8–1	3.9L,3.4s			**¶621120432**
GEN	X	05 05 39 24.1	45.99N	7.50E	4–1	3.8L,3.4s			
ZUR	X	05 05 39 25.2	45.97N	7.51E	2–1	4.1,3.4s			
NEIC	X	05 05 39 25.2–1.5	46.03N–.04	7.42E–.06	5–1	4.1b,4.1L			
GFZ	X	05 05 39 26.3–.17	46N–2.0	8E–2.0	10	5.2b,4.7b			
GFZ	X	05 05 39 26.3	45.96N	7.54E	10	4.0W,4.7b			
LDG	X	05 05 39 26.0–.11	45.94N	7.60E	2	4.5,4.3L			
IDC	X	05 05 39 26.6–.79	45.96N	7.61E	0	3.8L,3.8			
PRU	X	05 05 39 26.5	46.16N	7.29E	1	4.1,3.8			
BNS	X	05 05 39 26.4–.93	45.94N	7.57E	10	3.8L,3.8			
BEO	X	05 05 39 27.2–.60	45.96N	7.55E	0	4.5L,3.8			
BGR	X	05 05 39 28.1–.59	46.06N	7.49E	10	4.2L,3.8			

ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.8km s-min=0.5km az=332.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR Event type ke. Error ellipse: s-maj=3236.9km s-min=669.1km az=206.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.1km az=309.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=6.1km s-min=3.3km az=124.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.90 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-0.59 $M_{r\theta}$-0.16 $M_{\theta\phi}$0.49 $M_{\phi r}$0.52 NP1: ϕ_s132.25374°,δ31.46399°,λ71.98202°. NP2:ϕ_s333.12734°,δ60.24018°,λ100.71823°. Principal axes: T 1.0651,Plg72.5775°,Azm269.1811°; N 0.0310,Plg9.2911°,Azm147.7600° ; P -1.0961,Plg14.6052°,Azm55.3168° M_o1.08098×10^{15}
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=106.0.
IDC Error ellipse: s-maj=21.8km s-min=9.2km az=146.0.
BNS Event type ke.
BEO Event type ke.
BGR Event type ke. Error ellipse: s-maj=12.2km s-min=8.9km az=104.0.

ISC	**X**	**05 05 41 42.8–.81**	**46.00N–.02**	**7.50E–.02**	**16–5**			**51**	**0-2**
ROM	X	05 05 41 43.4–.10	45.991N–.01	7.486E–.01	12–0	2.3L			**¶621122783**
ZUR	X	05 05 41 44.4	45.98N	7.50E	1–1	2.5			
LDG	X	05 05 41 44.2–.07	45.99N	7.49E	2	2.7L,2.7			

ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.3km az=134.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR Event type ke. Error ellipse: s-maj=2832.0km s-min=718.2km az=305.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=129.0.

ISC	**X**	**07 17 17 46.4–.76**	**44.18N–.02**	**12.18E–.02**	**10**			**134**	**0-7**
ROM	X	07 17 17 47.0–.09	44.168N–.01	12.170E–.01	16–1	2.7L			**¶621828297**
PRU	X	07 17 18 02.5	45.32N	14.46E	10	2.7L			

ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.1km az=216.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM	**X**	**07 17 18 22.6–.13**	**44.169N–.01**	**12.149E–.01**	**15–1**	**2.8L**			**¶626514343**

ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

GEN	**X**	**13 14 49 41.7**	**45.98N**	**7.52E**	**3–1**	**0.7L**			
ZUR	X	13 14 49 42.9	46.00N	7.50E	-0–0	1.5			**¶621196184**

ZUR Event type ke. Error ellipse: s-maj=1556.6km s-min=813.7km az=67.0.

ISC	**X**	**19 12 03 18.6–1.0**	**44.67N–.02**	**12.64E–.02**	**17–9**			**112**	**1-3**
ROM	X	19 12 03 19.0–.10	44.674N–.00	12.644E–.01	31–0	2.5L			**¶621717935**

ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC	**XI**	**26 01 48 32.4–.89**	**44.15N–.02**	**12.05E–.02**	**33–3**			**211**	**0-5**
PRU	XI	26 01 48 28.9	44.16N	11.93E	18				**¶621494270**
GEN	XI	26 01 48 30.8	44.12N	12.01E	34–1	2.1L			
ROM	XI	26 01 48 31.2–.07	44.192N–.01	12.011E–.01	42–1	2.5L			

ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ZUR	**X**	**09 23 41 31.4**	**45.99N**	**7.50E**	**-0–0**	**0.6**			**¶621144119**

ZUR Event type ke. Error ellipse: s-maj=1888.6km s-min=827.0km az=255.0.

GEN	**XI**	**12 15 07 43.0**	**44.30N**	**7.43E**	**12–1**	**0.4L**			
LDG	XI	12 15 07 43.6–.07	44.30N	7.41E	5	2.0L,1.7			**¶621822542**
STR	XI	12 15 07 43.7–.01	44.30N–.07	7.42E–.06	10–0	1.1,1.7			

LDG Event type ke.
STR Event type se. LOCSAT. earthModelID alpes_taup-2.11. hypocenter. preliminary. manual.

ROM	**XII**	**22 12 17 25.8–.13**	**46.430N–.01**	**10.730E–.01**	**11–0**	**1.2L**			
ZUR	XII	22 12 17 26.4	46.43N	10.73E	7–1	1.1			**¶621644238**

ROM Event type se. Error ellipse: s-maj=1.1km s-min=0.6km az=187.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR Event type ke. Error ellipse: s-maj=3489.0km s-min=528.7km az=125.0.

ISC	**XII**	**28 17 31 07.7–.90**	**44.85N–.01**	**9.97E–.01**	**24–7**			**302**	**0-7**
GEN	XII	28 17 31 05.7	44.83N	9.97E	24–2	3.1L			**¶621657415**
BGR	XII	28 17 31 06.9–.88	44.71N	9.96E	10	3.2L			
LDG	XII	28 17 31 07.7–.24	44.86N	10.15E	5	3.1L			
ROM	XII	28 17 31 07.2–.07	44.837N–.00	9.948E–.01	22–0	3.3L			
PRU	XII	28 17 31 11.7	45.01N	10.13E	33	3.3L			

ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=17.8km s-min=14.5km az=87.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=97.0.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.2km az=102.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

(546) Austria.

VIE	**VII**	**02 02 24 12.1–1.3**	**47.27N**	**10.04E**	**14–9**	**0.3L**			**¶626175236**

VIE Error ellipse: s-maj=4.1km s-min=2.6km az=58.0.

VIE	**VII**	**21 10 40 07.1–.25**	**48.26N**	**16.74E**	**10**				
IPEC	VII	21 10 40 07.4–.07	48.22N	16.75E	11–2	1.1L			**¶626517521**

VIE Error ellipse: s-maj=2.0km s-min=1.1km az=170.0. 9 km S of Gaenserndorf.
IPEC Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=328.0.

ROM	**VIII**	**03 07 49 34.8–.09**	**46.371N–.00**	**13.038E–.01**	**13–1**	**0.9L**			**¶626714504**

ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC	**VIII**	**16 21 15 39.3–.84**	**47.37N–.01**	**12.047E–.01**	**18–3**	**3.7b**		**612**	**0-60**
IDC	VIII	16 21 15 37.6–.93	47.33N	12.11E	0	3.6b,3.5			**¶620990396**
GFZ	VIII	16 21 15 39.1–.32	47N–2.0	12E–2.0	5–3	4.1,4.0L			
NEIC	VIII	16 21 15 39.2–2.3	47.43N–.03	12.08E–.03	10–2	4.1L,3.7L			
VIE	VIII	16 21 15 39.5–.18	47.36N	12.06E	10–2	4.1L,3.2b			
BNS	VIII	16 21 15 39.7–1.6	47.42N	12.04E	5	4.0L,3.2b			
BGR	VIII	16 21 15 39.0–.27	47.34N	12.07E	20–1	3.4L,3.2b			
PRU	VIII	16 21 15 40.1	47.43N	12.14E	10	3.4L,3.2b			
ROM	VIII	16 21 15 40.1–.04	47.355N–.00	12.033E–.00	11–0	3.9L,3.2b			
BEO	VIII	16 21 15 40.7–.60	47.46N	12.07E	12–6	3.7L,3.2b			
LDG	VIII	16 21 15 41.7–.15	47.40N	12.07E	10	3.9L,3.2b			
DNK	VIII	16 21 17 02.0–.84	53.53N	13.38E	15–999	3.9L,3.2b			

ISC Event type fe.
IDC Error ellipse: s-maj=21.6km s-min=8.8km az=150.0.
GFZ Error ellipse: s-maj=3.8km s-min=3.5km az=20.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=9.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VIE Event type fe. Error ellipse: s-maj=1.2km s-min=0.6km az=148.0. 14 km S of Wrgl .
BNS Event type ke.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=176.0.
PRU Woergl.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=248.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=52.0.
DNK Event type se. Error ellipse: s-maj=135.1km s-min=39.2km az=-1.0. Presumed earthquake.

ISC	**IX**	**06 09 18 03.5–.74**	**46.35N–.01**	**13.22E–.01**	**10–4**			**323**	**0-7**
ROM	IX	06 09 18 02.3–.04	46.354N–.00	13.210E–.00	10–0	3.3L			**¶621039595**
VIE	IX	06 09 18 02.4–.19	46.35N	13.21E	14–1	3.5L,2.6b			
BEO	IX	06 09 18 03.7–.50	46.34N	13.16E	1–2	3.3L,2.6b			
BGR	IX	06 09 18 05.8–.30	46.43N	13.23E	5	3.3L,2.6b			
PRU	IX	06 09 18 06.1	46.45N	13.35E	10	3.3L,2.6b			

ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.2km az=178.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=1.6km s-min=0.9km az=29.0. 5 km ENE of Venzone .
BEO Event type ke.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=170.0.
PRU Venzone.

VIE	**IX**	**14 14 34 08.3–.23**	**47.69N**	**15.95E**	**3–3**	**1.6L,0.6b**			
KRSZO	IX	14 14 34 07.8–.92	47.69N	15.96E	3–22	1.5L,0.6b			**¶621140372**
IPEC	IX	14 14 34 08.2–.05	47.69N	15.96E	5–0	1.4L,0.6b			

VIE Error ellipse: s-maj=1.7km s-min=1.3km az=157.0. 1 km NE of Gloggnitz .
KRSZO Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=47.0.
IPEC Event type ke. Error ellipse: s-maj=0.3km s-min=0.2km az=110.0.

ISC	**X**	**21 00 28 54.9–.64**	**46.44N–.01**	**13.11E–.01**	**13–3**	**3.6b**		**514**	**0-46**
IDC	X	21 00 28 53.9–1.1	46.43N	13.04E	0	3.6,3.5b			**¶621229639**
BNS	X	21 00 28 54.9–.68	46.43N	13.08E	10	4.0L,3.5b			
ROM	X	21 00 28 54.0–.03	46.432N–.00	13.074E–.00	13–0	3.7L,3.5b			
PDG	X	21 00 28 54.6–.96	46.41N	13.14E	16–0	3.9L,3.5b			
GFZ	X	21 00 28 55.0–.14	46N–1.0	13E–1.0	5	5.2b,4.5			
BEO	X	21 00 28 56.4–.50	46.48N	13.19E	11–2	3.8L,4.5			
PRU	X	21 00 28 57.1	46.51N	13.23E	10	3.8L,4.5			
BGR	X	21 00 28 58.1–.26	46.53N	13.03E	10	3.8L,4.5			

ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=12.6km az=105.0.
BNS Event type ke.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=7.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
GFZ Error ellipse: s-maj=3.3km s-min=2.5km az=29.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BEO Event type ke.
PRU Tolmezzo.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=144.0.

ISC	**IX**	**24 16 35 17.1–1.3**	**46.31N–.03**	**13.15E–.03**	**13–7**			**27**	**0-0**
									¶635703928

ISC Event type ke.

VIE	**X**	**13 18 22 16.2–.64**	**47.35N**	**12.00E**	**13–5**	**0.8L**			**¶621717833**

VIE Error ellipse: s-maj=3.5km s-min=1.2km az=176.0. 11 km ENE of Ried im Zillertal .

VIE X 13 18 22 39.9–.55 47.37N 11.97E 12–4 0.8L,0.6b ¶621717836
VIE Error ellipse: s-maj=2.4km s-min=1.1km az=172.0. 11 km NE of Ried im Zillertal .
ISC X 22 03 17 18.1–.73 46.44N–.01 13.04E–.01 13–3 218 0-7
ROM X 22 03 17 17.3–.04 46.429N–.00 13.035E–.00 12–0 3.2L **¶621239036**
BEO X 22 03 17 18.1–.90 46.38N 12.91E 7–4 2.6L
PRU X 22 03 17 20.6 46.54N 13.21E 10 2.6L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.0km az=187.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
LJU X 27 10 03 02.8 46.30N 13.49E 12 0.5L ¶635806507
LJU Event type se. Presumed earthquake.
ISC X 26 12 09 25.8–.88 48.81N–.02 14.17E–.02 9–7 67 0-3
VIE X 26 12 09 25.1–.19 48.81N 14.16E 12–2 2.8L,2.1b **¶621242456**
IPEC X 26 12 09 25.4–.04 48.80N 14.16E 2–0 2.6L,2.1b
PRU X 26 12 09 26.3 48.84N 14.16E 1 2.6L,2.1b
ISC Event type fe.
VIE Error ellipse: s-maj=1.1km s-min=0.9km az=135.0. 23 km NE of Aigen im Muehlkreis .
IPEC Event type fe. Error ellipse: s-maj=0.2km s-min=0.2km az=123.0.
PRU Felt In Cesky Krumlov, Chlumec, Chvalsiny, Polna Na Sumave.
ISC XI 15 18 54 11.3–.77 46.41N–.02 13.28E–.01 17–4 134 0-3
LJU XI 15 18 54 11.1 46.39N 13.28E 19 1.9L **¶621414775**
ROM XI 15 18 54 11.5–.07 46.397N–.00 13.279E–.00 14–0 2.5L
VIE XI 15 18 54 12.0–.21 46.41N 13.27E 8–2 2.4L,2.1b
PRU XI 15 18 54 15.6 46.51N 13.41E 10 2.4L,2.1b
ISC Event type se.
LJU Event type se. Presumed earthquake.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=184.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=2.0km s-min=1.3km az=35.0.
PRU Pontebba.
VIE XI 02 23 25 26.1–.29 47.00N 13.29E 6 -0.1L ¶635753155
VIE Error ellipse: s-maj=3.4km s-min=1.5km az=145.0. 9 km E of Mallnitz .

(547) Czech and Slovak Republics.

VIE VIII 13 09 44 00.2–.57 50.47N 15.43E 0 2.5L,1.8b ¶621141673
VIE Event type sr. Error ellipse: s-maj=5.4km s-min=2.4km az=144.0. 44 km SSE of Liberec . Suspected Mining induced.
VIE IX 30 08 53 53.0–.49 49.83N 15.95E 0 1.8L,1.7b ¶621140888
VIE Event type sr. Error ellipse: s-maj=4.3km s-min=3.1km az=87.0. 86 km NW of Brno . Suspected Mining induced.

(548) Poland.

ISC VIII 04 12 55 08.7–.90 54.64N–.05 19.07E–.06 10 22 2-15
PRU VIII 04 12 55 08.5 54.62N 19.12E 0 **¶620969946**
IDC VIII 04 12 55 10.5–2.2 54.64N 19.10E 0 3.2,2.8L
DNK VIII 04 12 55 41.2–.74 55.65N 15.59E 15 3.2,2.8L
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=15.0km az=48.0.
DNK Event type se. Error ellipse: s-maj=3.7km s-min=5.4km az=-1.0. Presumed earthquake.
ISC VIII 27 12 59 45.6–1.8 51.17N–.07 19.06E–.06 0 48 1-5
PRU VIII 27 12 59 44.1 51.15N 19.18E 0 **¶621010973**
VIE VIII 27 12 59 46.9–1.6 51.16N 18.81E 0 2.6L,2.5b
ISC Event type sr.
PRU Belchatow.
VIE Event type sr. Error ellipse: s-maj=12.1km s-min=6.6km az=62.0. 86 km SSW of Lodz . Suspected Mining induced.
ISC X 02 23 16 02.6–1.3 51.48N–.03 23.08E–.02 16–10 101 1-12
IDC X 02 23 15 58.7–1.1 51.26N 23.03E 0 3.2,2.6L **¶621118305**
MCSM X 02 23 16 01.2–1.0 52N–8.0 23E–7.0 8–13 3.2,2.6L
DNK X 02 23 16 02.3–2.5 51.46N 23.31E 15–16 3.3L,2.6L
PRU X 02 23 16 14.3 51.04N 22.18E 0 3.3L,2.6L
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=10.0km az=173.0.
DNK Event type se. Error ellipse: s-maj=7.9km s-min=21.5km az=-1.0. Presumed earthquake.
MCSM X 30 18 04 19.1–1.3 51N–12 23E–9.0 10 2.9 ¶626256074

SEISMIC REGION 37.
Africa.

(553) Egypt.

ISC VII 20 16 23 23.0–1.4 31.84N–.03 30.30E–.07 10 78 2-6
HLW VII 20 16 23 24.3 31.84N 30.24E 15–1 2.8L,2.5 **¶620846031**
GII VII 20 16 23 28.5–.00 31.835N–.00 30.665E–.00 0 2.8,2.5
NIC VII 20 16 23 34.7 32.47N 30.41E 51–13 2.8L,2.5
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VII 27 08 24 42.4–1.4 28.41N–.04 33.16E–.04 17–14 35 0-4
GII VII 27 08 24 27.4–.00 27.298N–.00 32.860E–.00 0 3.6 **¶625228848**
HLW VII 27 08 24 43.0 28.36N 33.19E 22–1 3.4L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VIII 21 19 30 05.1–.89 28.76N–.03 34.86E–.03 10 31 0-3
HLW VIII 21 19 30 04.2 28.66N 34.96E 4–3 3.3L **¶625228872**
SGS VIII 21 19 30 05.1 28.79N 34.81E 11 3.2L
ISC Event type se.
ISC VIII 20 21 18 51.1–.91 28.79N–.03 34.82E–.04 17–8 22 0-2
SGS VIII 20 21 18 51.0 28.79N 34.81E 10 1.9L **¶625228869**
HLW VIII 20 21 18 52.6 28.84N 34.73E 16–2 2.5L
ISC Event type se.
ISC IX 04 14 07 03.8–1.0 28.35N–.04 34.68E–.03 17–8 21 0-2
HLW IX 04 14 07 03.6 28.32N 34.74E 14–4 2.8L **¶625228891**
SGS IX 04 14 07 04.5 28.36N 34.65E 9 2.6L
ISC Event type se.
ISC IX 03 20 02 29.4–1.1 28.36N–.04 34.67E–.03 17–8 28 0-3
SGS IX 03 20 02 30.0 28.36N 34.66E 10 2.7L **¶625228884**
HLW IX 03 20 02 29.7 28.36N 34.64E 2–2 2.6L
ISC Event type se.
ISC IX 04 09 50 53.5–.90 28.35N–.03 34.68E–.03 17–7 29 0-2
HLW IX 04 09 50 52.5 28.30N 34.76E 11–1 2.8L **¶625228888**
SGS IX 04 09 50 53.4 28.33N 34.63E 13 2.9L
ISC Event type se.
ISC IX 04 14 30 49.6–1.1 28.36N–.04 34.73E–.06 18–5 18 0-2
HLW IX 04 14 30 49.1 28.32N 34.79E 19–2 2.8L **¶625228893**
SGS IX 04 14 30 50.6 28.38N 34.69E 9 2.9L
ISC Event type se.
ISC IX 05 01 59 56.9–.91 28.35N–.03 34.66E–.03 14–8 31 0-3
HLW IX 05 01 59 56.8 28.34N 34.68E 12–0 2.4L **¶625228900**
SGS IX 05 01 59 57.1 28.35N 34.64E 8 2.6L
ISC Event type se.
ISC IX 04 18 11 58.3–.94 28.88N–.02 34.85E–.03 16–7 54 0-3
HLW IX 04 18 11 56.7 28.83N 35.01E 12–1 3.2L **¶625300727**
GII IX 04 18 11 58.0–.00 28.875N–.01 34.869E–.00 0 2.8
SGS IX 04 18 11 59.0 28.90N 34.85E 18 3.1L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
SGS XI 14 15 16 01.1 28.24N 34.55E 6 1.5L ¶625301127
SGS IX 05 03 22 56.0 28.34N 34.67E 11 1.1L ¶625300793
ISC IX 05 03 54 01.7–.95 28.34N–.03 34.66E–.03 9–8 44 0-3
GII IX 05 03 53 59.8–.00 28.080N–.00 34.651E–.00 0 2.6 **¶625228901**
HLW IX 05 03 54 02.0 28.36N 34.63E 12–1 2.2L
SGS IX 05 03 54 01.7 28.34N 34.66E 13 3.0L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
SGS IX 05 04 01 58.1 28.35N 34.66E 9 1.7L ¶625300803
ISC XI 07 10 54 39.8–.84 29.41N–.02 34.97E–.05 16–6 42 0-2
HLW XI 07 10 54 38.3 29.45N 35.13E 15–4 3.1L **¶625230362**
SGS XI 07 10 54 39.9 29.46N 34.95E 22 2.7L
JSO XI 07 10 54 39.6 29.45N 34.93E 10 2.8
GII XI 07 10 54 40.0–.00 29.464N–.00 35.018E–.00 0 2.6
ISC Event type ke.
JSO Egypt . LOCSAT solution with earthmodel iasp91 (with start solution, 11 stations used, weight 11):. RMS-ERR: 0.274.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
HLW XI 11 13 42 57.4 28.34N 33.03E 24–2 2.3L
GII XI 11 13 42 56.5–.00 30.627N–.00 32.081E–.00 0 2.2 **¶625232215**
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XII 24 16 15 41.3–.83 28.74N–.02 34.71E–.03 16–5 49 0-4
HLW XII 24 16 15 40.3 28.72N 34.79E 14–0 3.3L,3.2 **¶625232268**
SGS XII 24 16 15 41.9 28.75N 34.78E 10 3.2L,3.2
GII XII 24 16 15 42.9–.00 28.803N–.00 34.767E–.00 0–0 3.2,3.2
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XII 09 19 24 37.3–1.5 30.19N–.04 32.30E–.03 5–12 95 0-5
GII XII 09 19 24 35.8–.00 30.212N–.00 32.119E–.00 0–0 3.0 **¶625232249**
HLW XII 09 19 24 38.1 30.13N 32.34E 6–1 3.2L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC XII 24 15 10 43.6–.97 28.76N–.03 34.73E–.03 18–4 29 0-3
HLW XII 24 15 10 43.4 28.74N 34.76E 16–0 2.6L **¶625232267**
SGS XII 24 15 10 44.5 28.76N 34.76E 12 2.4L
ISC Event type se.
ISC XI 14 16 16 38.3–.94 29.30N–.02 34.89E–.05 25–6 43 0-2
GII XI 14 16 16 36.9–.00 29.267N–.00 34.810E–.00 0 2.7 **¶625232224**
JSO XI 14 16 16 37.8 29.32N 34.82E 10 2.4
HLW XI 14 16 16 38.2 29.31N 34.94E 18–2 2.4L
SGS XI 14 16 16 38.3 29.32N 34.87E 23 2.1L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
JSO Egypt . LOCSAT solution with earthmodel iasp91 (with start solution, 11 stations used, weight 11):. RMS-ERR: 0.191.

(554) Red Sea.

ISC VII 02 15 42 23.3–1.4 27.60N–.05 34.31E–.04 9–14 21 1-2
HLW VII 02 15 42 24.1 27.55N 34.22E 25–0 2.5L **¶625228825**
SGS VII 02 15 42 25.9 27.62N 34.40E 15 1.9L
ISC Event type se.
ISC VII 02 22 29 11.3–1.6 24.22N–.07 36.63E–.05 25–16 32 1-5
HLW VII 02 22 29 13.7 24.25N 36.54E 24–12 2.6L **¶625228826**
SGS VII 02 22 29 14.0 24.43N 36.61E 7 2.6L
ISC Event type se.
ISC VII 06 07 21 20.9–1.4 27.62N–.04 34.42E–.04 17–11 24 1-2
HLW VII 06 07 21 21.9 27.59N 34.33E 20–1 2.6L **¶625228829**
SGS VII 06 07 21 23.3 27.70N 34.48E 12 2.6L
ISC Event type se.
ISC VII 06 16 01 29.2–1.3 27.66N–.04 34.46E–.03 18–5 35 1-3
HLW VII 06 16 01 29.1 27.59N 34.43E 15–1 2.8L **¶625228830**
SGS VII 06 16 01 31.9 27.70N 34.50E 16 2.9L
ISC Event type se.
ISC VII 08 03 20 58.8–.92 27.17N–.04 34.61E–.04 10 20 1-3
HLW VII 08 03 21 02.2 27.18N 34.47E 17–1 2.5L **¶625228832**
SGS VII 08 03 21 05.0 27.34N 34.83E 8 2.2L
ISC Event type se.
ISC VII 08 13 28 47.1–1.3 27.20N–.03 34.67E–.03 7–11 38 1-3
HLW VII 08 13 28 49.6 27.20N 34.58E 14–8 2.5L **¶625228833**
GII VII 08 13 28 50.6–.00 27.451N–.00 34.091E–.00 0 2.5
SGS VII 08 13 28 51.4 27.31N 34.75E 7 2.0L
ISC Event type ke.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
ISC VII 27 14 39 12.9–.89 27.68N–.03 34.34E–.03 12 42 0-3
HLW VII 27 14 39 13.7 27.64N 34.26E 19–0 3.5L **¶625228849**
SGS VII 27 14 39 16.4 27.73N 34.51E 11 2.7L
ISC Event type se.
ISC IX 13 21 18 40.7–1.5 24.21N–.05 36.53E–.03 10–12 52 1-4
HLW IX 13 21 18 44.9 24.23N 36.60E 21–21 2.7L **¶625228917**
SGS IX 13 21 18 47.5 24.38N 36.64E 18 2.7L
ISC Event type se.
ISC VII 31 09 00 19.5–.92 26.83N–.04 34.84E–.04 12 20 1-3
SGS VII 31 09 00 23.6 26.95N 34.99E 16 2.0L **¶625228853**
HLW VII 31 09 00 24.3 26.76N 34.78E 29–4 2.5L
ISC Event type se.
ISC VIII 19 00 53 35.1–1.2 24.28N–.06 36.55E–.04 10 48 1-4
HLW VIII 19 00 53 37.7 24.24N 36.49E 11–17 2.8L **¶625228868**
SGS VIII 19 00 53 39.1 24.43N 36.60E 6 2.2L
ISC Event type se.
ISC XI 07 05 04 49.6–1.7 25.99N–.04 35.75E–.04 24–17 36 1-3
HLW XI 07 05 04 51.9 26.00N 35.73E 31–2 2.6L **¶625230361**
SGS XI 07 05 04 52.7 26.06N 35.89E 14 2.6L
ISC Event type se.
ISC IX 22 10 58 37.5–2.8 17.6N–.40 40.3E–.20 10 3.9b 8 36-50
IDC IX 22 10 58 36.2–2.9 17.63N 40.31E 0 3.7b,3.7 **¶621118136**
ISC Event type se.
IDC Error ellipse: s-maj=70.8km s-min=24.8km az=159.0.
ISC IX 23 00 54 43.3–1.2 24.35N–.10 36.54E–.05 10 27 1-4
SGS IX 23 00 54 45.0 24.38N 36.62E 26 2.4L **¶625228926**
HLW IX 23 00 54 47.9 24.34N 36.43E 32–35 2.6L
ISC Event type se.
ISC IX 30 20 42 57.5–1.1 24.26N–.06 36.57E–.04 10 34 1-4
HLW IX 30 20 42 59.8 24.17N 36.63E 23–6 2.5L **¶625228938**
SGS IX 30 20 43 02.4 24.46N 36.61E 5 2.1L
ISC Event type se.
ISC IX 19 19 05 46.7–1.4 24.44N–.09 36.47E–.04 10 25 1-2
HLW IX 19 19 05 49.6 24.36N 36.39E 15–22 2.5L **¶625228923**
SGS IX 19 19 05 50.4 24.49N 36.59E 8 2.1L
ISC Event type se.
ISC XII 20 17 20 01.9–1.6 24.30N–.06 36.58E–.04 14–11 51 1-4
HLW XII 20 17 20 03.8 24.30N 36.54E 15–19 2.9L **¶625232259**
SGS XII 20 17 20 05.5 24.48N 36.61E 4 2.5L
ISC Event type se.
ISC XI 23 00 43 45.0–1.0 27.57N–.04 34.46E–.04 12 22 1-2
HLW XI 23 00 43 46.2 27.56N 34.42E 18–2 2.5L **¶625232237**
SGS XI 23 00 43 47.5 27.63N 34.49E 11 2.0L
ISC Event type se.
ISC XI 16 23 53 27.5–1.3 24.30N–.10 36.51E–.05 10 27 1-3
SGS XI 16 23 53 31.5 24.43N 36.63E 4 2.6L **¶625232226**
HLW XI 16 23 53 34.5 24.40N 36.09E 4–5 2.5L
ISC Event type se.

(555) Western Arabian Peninsula.

ISC IX 21 10 38 20.7–3.0 14.3N–.50 42.3E–.30 10 3.8b 6 26-66
IDC IX 21 10 38 19.2–3.2 14.29N 42.28E 0 4.2s,3.8b **¶621116029**

ISC Event type se.
IDC Error ellipse: s-maj=75.2km s-min=30.3km az=161.0.
ISC VII 15 00 40 20.7–.93 29.94N–.03 35.05E–.07 31–4 31 0-2
JSO VII 15 00 40 20.8 29.89N 35.22E 22 2.6 **¶625300196**
GII VII 15 00 40 21.4–.00 29.940N–.00 35.157E–.00 0 2.0
SGS VII 15 00 40 21.4 29.97N 35.02E 27 0.8L
ISC Event type ke.
JSO Western Arabian Peninsula . LOCSAT solution with earthmodel iasp91 (with start solution, 13 stations used, weight 13):. RMS-ERR: 0.239.
GII Event type ke. smi:org.gfz-potsdam.de/geofon/Method#ISN.loc. earthModelID smi:org.gfz-potsdam.de/geofon/Model#ISN.2004. manual. confirmed.
IDC XII 19 19 46 53.4–376 14.26N 42.94E 0
¶621657095
IDC Error ellipse: s-maj=151.0km s-min=61.0km az=174.0.

(558) Ethiopia.

IDC VIII 11 19 44 16.8–66 11.74N 40.54E 0 3.6b,3.6
¶621009356
IDC Error ellipse: s-maj=1304.0km s-min=74.0km az=23.0.
EAF X 23 05 46 45.3–2.8 10.80N 40.98E 0–45 3.7L
¶621742884
EAF Event type se. Error ellipse: s-maj=37.8km s-min=26.0km az=-1.0. Presumed earthquake.
ISC X 18 22 21 31.8–.58 10.16N–.08 41.37E–.07 10 3.9b,3.6s 73 2-90
EAF X 18 22 21 29.2–6.8 10.94N 40.86E 0–81 3.5L,3.6s **¶621244047**
IDC X 18 22 21 31.6–1.2 10.19N 41.33E 0 4.1L,3.8s
NEIC X 18 22 21 32.0–1.5 10.1N–.10 41.51E–.10 10–2 4.5b,3.8s
ISC Event type se.
EAF Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
EAF X 20 06 54 51.1–1.9 9.29N 41.98E 0–168 3.4L
¶626726829
EAF Event type se. Error ellipse: s-maj=183.5km s-min=142.2km az=-1.0. Presumed earthquake.
ISC X 07 17 48 58.1–2.5 10.0N–.30 41.7E–.20 10 3.9b,3.2s 6 2-66
IDC X 07 17 48 56.2–1.7 9.89N 41.70E 0 3.7b,3.7 **¶621217229**
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=24.2km az=127.0.
EAF X 19 00 45 15.9–9.6 10.61N 41.01E 0–68 3.5L
¶626726808
EAF Event type se. Error ellipse: s-maj=60.9km s-min=61.5km az=-1.0. Presumed earthquake.
EAF X 15 04 14 41.8–12 11.15N 40.75E 0–121 3.5L
¶626726720
EAF Event type se. Error ellipse: s-maj=153.1km s-min=102.2km az=-1.0. Presumed earthquake.
ISC X 15 17 42 24.9–.42 9.99N–.06 41.57E–.05 10 4.5b,3.8s 173 2-100
EAF X 15 17 42 14.6–8.7 8.96N 42.29E 0–101 4.1L,3.8s **¶621203277**
IDC X 15 17 42 23.9–.78 10.03N 41.37E 0 4.3L,4.1
GFZ X 15 17 42 25.4–.24 10N–3.0 42E–5.0 10 5.5L,4.9b
NEIC X 15 17 42 25.1–1.6 10.00N–.07 41.61E–.08 9–4 4.5b,4.9b
GCMT X 15 17 42 25.3–.40 10.12N–.03 41.58E–.05 17–1 4.8W,4.9b
ISC Event type se.
EAF Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110151742A. Moment Tensor Solution. s16,c21; s60,c82; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.12±.12 $M_{\theta\theta}$1.21±.07; $M_{\phi\phi}$-0.09±.08; $M_{r\theta}$1.10±.19; $M_{\theta\phi}$0.07±.05; $M_{\phi r}$-0.44±.27; Best double couple: NP1:ϕ_s70.00000°,δ26.00000° ,λ-121.00000°. NP2:ϕ_s284.00000°,δ68.00000°,λ-76.00000°. Principal axes: T 1.6530,Plg22.0000°,Azm4.0000°; N 0.0230,Plg13.0000°,Azm99.0000° ; P -1.6770,Plg64.0000°,Azm217.0000° $M_0$1.66500×10^{16}
ISC X 24 14 26 21.5–.69 10.1N–.10 41.41E–.08 10 4.1b,3.7s 50 2-91
EAF X 24 14 26 12.2–11 11.09N 40.55E 0–81 3.9L,3.7s **¶621366398**
IDC X 24 14 26 21.3–1.2 10.16N 41.36E 0 4.2L,3.8b
NEIC X 24 14 26 23.2–1.6 10.15N–.06 41.5E–.10 10–1 4.6b,3.8b
ISC Event type se.
EAF Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 14 20 23.0–.69 15.91N–.09 39.61E–.10 10 4.1b 37 5-63
IDC X 23 14 20 20.6–1.8 15.72N 39.69E 0 3.8b,3.8 **¶621309376**
NEIC X 23 14 20 24.3–2.0 15.97N–.03 39.6E–.10 10–1 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 16 18 25.3–.94 15.82N–.10 39.7E–.10 10 4.0b 10 5-63
IDC X 23 16 18 23.2–1.6 15.75N 39.59E 0 3.7b,3.7 **¶621309382**
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=13.3km az=62.0.
ISC X 23 16 24 48.5–4.9 15.6N–.80 39.6E–.20 10 3.5b,3.4s 7 5-82
IDC X 23 16 24 47.3–5.5 15.67N 39.63E 0 3.5b,3.5 **¶621309383**
ISC Event type se.
IDC Error ellipse: s-maj=121.9km s-min=34.1km az=6.0.
ISC XII 25 14 42 55.3–.90 6.23N–.06 36.23E–.10 10 3.6b 17 3-72
IDC XII 25 14 42 43.4–3.3 5.99N 33.67E 0 3.5L,3.5b **¶621700157**
EAF XII 25 14 42 54.4–15 6.55N 35.42E 0–131 2.9L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=106.7km s-min=15.3km az=76.0.
EAF Event type se. Error ellipse: s-maj=92.9km s-min=121.4km az=-1.0. Presumed earthquake.
EAF X 24 23 24 41.0–13 10.23N 41.26E 0–104 3.6L
¶626726922
EAF Event type se. Error ellipse: s-maj=95.4km s-min=94.6km az=-1.0. Presumed earthquake.
EAF X 29 20 05 46.9–.30 9.85N 41.54E 10 3.6L
¶626727048
EAF Event type se. Error ellipse: s-maj=4.9km s-min=2.9km az=-1.0. Presumed earthquake.
EAF X 25 16 56 21.7–9.7 8.67N 42.42E 0–206 3.3L
¶626726947
EAF Event type se. Error ellipse: s-maj=141.2km s-min=119.7km az=-1.0. Presumed earthquake.
ISC X 27 00 35 57.7–.84 10.5N–.10 41.5E–.10 10 3.7b,3.4s 25 2-90
IDC X 27 00 35 54.1–1.8 10.13N 41.27E 0 3.8,3.7L **¶621385443**
NEIC X 27 00 35 58.3–2.1 10.5N–.10 41.52E–.10 10–1 4.4b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 03 39 49.5–.82 10.2N–.10 41.4E–.10 10 3.8b,3.7s 14 2-91
IDC XII 30 03 39 48.5–1.1 10.16N 41.44E 0 3.7b,3.7 **¶621725986**
EAF XII 30 03 39 49.0–15 10.52N 41.17E 0–192 3.8L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=22.7km az=104.0.
EAF Event type se. Error ellipse: s-maj=202.1km s-min=143.3km az=-1.0. Presumed earthquake.

(567) Zaire.

ISC X 16 00 23 26.6–.37 0.35S–.05 29.78E–.05 10 4.6b,3.6s 109 1-124
IDC X 16 00 23 25.7–.56 0.27S 29.69E 0 4.2,4.1b **¶621204469**
NEIC X 16 00 23 26.7–1.1 0.34S–.07 29.80E–.05 10–1 4.7b,4.1b
GFZ X 16 00 23 28.6–.23 0S–3.0 30E–4.0 10 5.8L,5.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC VIII 30 09 24 52.1–548 4.57N 25.13E 0
¶621076505
IDC Error ellipse: s-maj=290.7km s-min=202.8km az=64.0.
ISC IX 18 12 56 30.4–.34 6.74S–.04 27.00E–.06 10 4.6b,3.6s 218 7-136
GFZ IX 18 12 56 29.5–.33 7S–5.0 27E–5.0 10 5.7,5.1b **¶621082979**
IDC IX 18 12 56 30.1–.44 6.65S 26.95E 0 4.4b,4.4
NEIC IX 18 12 56 30.9–.93 6.68S–.02 27.0E–.10 10–1 4.8b,4.4
BJI IX 18 12 56 31.0 6.70S 27.00E 10 5.2b,4.9b
BGR IX 18 12 56 31.6 6.71S 27.66E 33 4.6b,4.9b

ISC Event type ke.
GFZ Error ellipse: s-maj=11.9km s-min=7.8km az=136.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=17.4km s-min=8.9km az=101.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=4.3km az=271.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC X 16 04 46 04.6–.76 0.20S–.08 29.87E–.07 16 4.1b 23 1-90
IDC X 16 04 46 02.1–1.4 0.05S 29.53E 0 3.8b,3.8 **¶621242105**
NEIC X 16 04 46 05.7–1.3 0.4S–.10 29.95E–.06 10–1 4.5b,3.8
EAF X 16 04 46 07.0–6.4 1.52S 30.67E 0–47 3.5L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=38.1km s-min=35.3km az=115.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=8.2km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
EAF Event type se. Error ellipse: s-maj=60.2km s-min=51.4km az=-1.0. Presumed earthquake.

(569) Lake Victoria region.

ISC VIII 31 02 35 16.8–.36 3.45S–.04 32.23E–.05 10 4.8b,4.2s 388 3-90
GCMT VIII 31 02 35 16.4–.40 3.39S–.02 32.15E–.02 12 4.8W,4.2s **¶621011407**
IDC VIII 31 02 35 16.1–.51 3.34S 32.27E 0 4.5L,4.4b
GFZ VIII 31 02 35 17.4–.21 3S–3.0 32E–4.0 10 4.8b,4.7
NEIC VIII 31 02 35 17.3–1.6 3.36S–.09 32.31E–.08 10–1 4.8b,4.7
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108310235A. Moment Tensor Solution. s19,c30; s54,c85; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.10 $M_{\theta\theta}$2.42±.07; $M_{\phi\phi}$-2.20±.10; $M_{r\theta}$0.71±.23; $M_{\theta\phi}$-0.15±.09; $M_{\phi r}$-0.03±.30; Best double couple: NP1:ϕ_s46.00000°,δ80.00000° ,λ170.00000°. NP2:ϕ_s138.00000°,δ80.00000°,λ10.00000°. Principal axes: T 2.6010,Plg14.0000°,Azm2.0000°; N -0.4000,Plg76.0000°,Azm181.0000° ; P -2.2050,Plg0.0000°,Azm272.0000° $M_0$2.40300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 30 23 33 16.2–3.9 3.85S 33.67E 0 3.8b,3.8
¶621726036
IDC Error ellipse: s-maj=204.8km s-min=19.5km az=150.0.

(570) Kenya.

EAF XI 08 21 33 50.1–17 3.50N 35.27E 0–118 3.5L
¶626727131
EAF Event type se. Error ellipse: s-maj=156.1km s-min=94.9km az=-1.0. Presumed earthquake.
ISC IX 20 19 30 43.9–2.4 1.4S–.20 37.01E–.09 10 6 0-6
EAF IX 20 19 30 36.0–9.3 1.48S 37.66E 0–82 3.5L **¶626727988**
ISC Event type se.
EAF Event type se. Error ellipse: s-maj=63.9km s-min=130.3km az=-1.0. Presumed earthquake.

(572) Lake Tanganyika region.

IDC VIII 21 23 27 22.4–1.5 8.37S 29.74E 0 3.6b,3.6
¶621043031
IDC Error ellipse: s-maj=47.7km s-min=30.4km az=98.0.
ISC IX 07 01 48 21.2–.46 2.20S–.06 28.85E–.08 12 4.3b,3.4s 65 2-127
IDC IX 07 01 48 19.3–.54 2.21S 28.79E 0 4.3L,4.1b **¶621039488**
NEIC IX 07 01 48 21.5–1.1 2.15S–.06 28.9E–.10 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 15 01 38 52.9–.72 4.10S–.06 30.16E–.07 10 3.8b 27 4-54
IDC XI 15 01 38 52.9–1.3 3.91S 30.02E 0 4.2L,3.9 **¶621475578**
NEIC XI 15 01 38 54.6–1.3 4.03S–.08 30.2E–.10 10–2 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(573) Tanzania.

ISC XII 09 08 18 19.9–.54 5.35S–.06 35.71E–.06 10 4.2b 50 4-96
IDC XII 09 08 18 20.5–.89 5.46S 35.83E 0 4.4L,4.2 **¶621636566**
NEIC XII 09 08 18 20.3–.90 5.36S–.08 35.73E–.09 10–1 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 08 17 35 48.2–.56 4.90S–.06 35.07E–.06 10 4.1b,3.1s 40 4-96
IDC X 08 17 35 47.1–.67 5.01S 35.15E 0 4.4L,4.0 **¶621224669**
NEIC X 08 17 35 48.3–1.4 4.91S–.08 35.02E–.08 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 15 05 49 28.2–.43 8.62S–.04 32.17E–.06 10 4.6b,3.8s 105 8-134
PRE X 15 05 49 24.0–1.8 8.44S 30.57E 5 4.3L,3.8s **¶621202375**
GFZ X 15 05 49 28.6–.26 9S–3.0 32E–6.0 10 5.3b,4.8
IDC X 15 05 49 28.5–.69 8.53S 32.12E 0 4.2,4.1b
NEIC X 15 05 49 29.1–1.6 8.53S–.08 32.2E–.10 10–1 4.7b,4.1b
ISC Event type se.
PRE Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(576) Zambia.

ISC X 05 21 19 03.6–4.1 12.4S–.20 26.5E–.10 10 22 5-14
BGSI X 05 21 18 49.9–1.6 11.20S 26.93E 6–147 3.9L **¶625904310**
NAM X 05 21 19 59.8–12 19.50S 24.87E 31–999 3.1L
ISC Event type se.
BGSI Event type se. Error ellipse: s-maj=138.2km s-min=39.4km az=-1.0. Presumed earthquake.
NAM Event type se. Error ellipse: s-maj=191.5km s-min=338.9km az=-1.0. Presumed earthquake.

(577) Malawi.

ISC XII 16 14 03 59.0–.59 11.62S–.06 34.59E–.08 10 4.1b 52 10-144
IDC XII 16 14 03 59.4–.83 11.65S 34.93E 0 4.1L,4.1 **¶621655783**
NEIC XII 16 14 03 59.9–2.2 11.55S–.09 34.6E–.10 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(578) Namibia.

ISC VIII 10 23 05 07.8–3.7 19.8S–.10 17.2E–.20 10 17 3-9
BGSI VIII 10 23 05 05.2–1.5 19.58S 16.80E 8–70 3.1L **¶621401488**
ISC Event type se.
BGSI Event type se. Error ellipse: s-maj=17.5km s-min=66.2km az=-1.0. Presumed earthquake.
NAM VIII 15 03 30 22.3–41 19.51S 15.05E 0–186 3.4L
¶621401496
NAM Event type se. Error ellipse: s-maj=300.5km s-min=467.3km az=-1.0. Presumed earthquake.
ISC XI 04 03 58 51.3–1.4 19.94S–.03 14.62E–.06 3–9 4.0b 63 0-135
PRE XI 04 03 58 07.3–.43 16.98S 16.51E 10 4.0L **¶621412274**
IDC XI 04 03 58 51.7–.58 19.82S 14.60E 0 4.0,3.9b
NAM XI 04 03 58 52.3–50 19.59S 14.92E 0–262 4.3L,3.9b
NEIC XI 04 03 58 53.1–.98 19.95S–.05 14.71E–.09 10–1 4.2b,3.9b
ISC Event type se.
PRE Event type se. Presumed earthquake.
NAM Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 15 23 17 29.8–3.2 19.68S–.09 14.8E–.10 10 15 2-8
NAM IX 15 23 17 34.5–23 19.85S 14.99E 0–199 2.9L **¶621401650**
ISC Event type se.
NAM Event type se. Error ellipse: s-maj=165.9km s-min=243.8km az=-1.0. Presumed earthquake.

NAM X 24 13 10 26.2–33 19.75S 14.75E 0–201 3.6L
¶621399791
NAM Event type se. Error ellipse: s-maj=181.7km s-min=253.3km az=-1.0. Presumed earthquake.
NAM VIII 15 04 28 06.9–56 19.36S 14.51E 0–391 2.3L
¶621401497
NAM Event type se. Error ellipse: s-maj=616.6km s-min=808.3km az=-1.0. Presumed earthquake.
ISC IX 07 19 19 23.1–2.3 21.4S–.10 18.12E–.10 10 16 3-9
BGSI IX 07 19 19 15.0–.56 21.40S 17.36E 0–21 2.5L **¶624894094**
ISC Event type se.
BGSI Event type se. Error ellipse: s-maj=4.9km s-min=21.0km az=-1.0. Presumed earthquake.
ISC IX 13 06 24 22.3–1.0 19.69S–.05 14.75E–.06 10 14 0-8
NAM IX 13 06 24 23.1–31 19.55S 14.83E 0–169 3.3L **¶621401619**
ISC Event type se.
NAM Event type se. Error ellipse: s-maj=196.4km s-min=297.6km az=-1.0. Presumed earthquake.
NAM X 05 06 57 08.6–40 27.63S 16.47E 0–196 2.9L
¶621401778
NAM Event type se. Error ellipse: s-maj=100.4km s-min=276.0km az=-1.0. Presumed earthquake.
ISC XII 17 20 50 50.0–1.4 20.16S–.05 13.87E–.08 10 14 1-10
NAM XII 17 20 50 53.5–29 19.95S 14.35E 0–169 3.6L **¶624730981**
ISC Event type se.
NAM Event type se. Error ellipse: s-maj=106.8km s-min=160.9km az=-1.0. Presumed earthquake.
ISC XII 01 20 34 53.0–.97 19.50S–.05 14.94E–.05 10 14 0-7
NAM XII 01 20 34 53.8–41 19.40S 14.98E 0–185 3.0L **¶624730965**
ISC Event type se.
NAM Event type se. Error ellipse: s-maj=310.8km s-min=481.3km az=-1.0. Presumed earthquake.
NAM XI 06 23 04 24.8–44 20.30S 14.45E 5–353 2.1L
¶624730943
NAM Event type se. Error ellipse: s-maj=169.4km s-min=293.8km az=-1.0. Presumed earthquake.
ISC XI 16 12 37 58.4–.87 25.41S–.03 16.76E–.05 10 51 1-11
NAM XI 16 12 37 53.8–16 26.00S 15.64E 0–117 4.0L **¶624730950**
BGSI XI 16 12 37 58.9–.65 25.41S 16.66E 0–10 3.9L
ISC Event type se.
NAM Event type se. Error ellipse: s-maj=76.1km s-min=173.3km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=3.4km s-min=10.6km az=-1.0. Presumed earthquake.
NAM XI 17 10 01 42.5–49 19.81S 14.18E 0–292 2.5L
¶624730960
NAM Event type se. Error ellipse: s-maj=301.9km s-min=555.7km az=-1.0. Presumed earthquake.

(579) Botswana.

ISC VII 13 03 53 13.1–1.2 24.46S–.06 21.50E–.06 10 12 2-6
PRE VII 13 03 53 15.5–1.0 24.71S 21.74E 5 1.8L **¶624893505**
BGSI VII 13 03 53 19.0–1.9 24.07S 21.73E 28–31 2.5L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=6.3km s-min=6.7km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=6.7km s-min=9.1km az=-1.0. Presumed earthquake.
PRE XI 07 11 41 41.4–.70 22.73S 26.95E 5 1.7L
BGSI XI 07 11 41 38.7–.29 22.82S 28.05E 41–5 1.9L **¶624894753**
PRE Event type se. Error ellipse: s-maj=5.7km s-min=5.3km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0. Presumed earthquake.
ISC XII 16 20 36 44.0–1.8 22.63S–.03 25.32E–.04 10–13 40 1-10
PRE XII 16 20 36 47.5–.92 22.70S 25.64E 10 3.2L **¶624730980**
BGSI XII 16 20 36 49.1–.68 22.66S 25.23E 17–2 3.5L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=5.1km s-min=6.6km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0. Presumed earthquake.

(580) Zimbabwe.

ISC VIII 09 01 39 40.0–.44 17.70S–.04 27.39E–.04 10 4.1b,3.0s 130 2-145
IDC VIII 09 01 39 38.9–.52 17.66S 27.55E 0 4.4L,4.2 **¶621007214**
NEIC VIII 09 01 39 40.7–1.6 17.64S–.04 27.42E–.08 10–1 4.3b,4.2
BGSI VIII 09 01 39 44.7–1.2 17.51S 27.50E 42–14 4.5L,4.2
BUL VIII 09 01 39 45.1–1.2 17.92S 27.25E 10 4.1,4.2
EAF VIII 09 01 39 45.1–1.2 17.92S 27.25E 10 4.1,4.2
ISC Event type se.
IDC Error ellipse: s-maj=10.3km s-min=7.1km az=97.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=4.4km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGSI Event type se. Error ellipse: s-maj=5.9km s-min=5.1km az=-1.0. Presumed earthquake.
BUL Event type se. Error ellipse: s-maj=11.7km s-min=8.1km az=-1.0. Presumed earthquake.
EAF Event type se. Error ellipse: s-maj=11.7km s-min=8.1km az=-1.0. Presumed earthquake.
Hypocentre not reviewed by the ISC.

(581) Mozambique.

ISC XI 05 21 45 07.5–.36 19.61S–.05 33.71E–.05 10 4.2b 166 4-149
PRE XI 05 21 44 55.5–.55 19.22S 34.41E 10 4.1L **¶621370576**
IDC XI 05 21 45 07.8–.48 19.48S 33.70E 0 4.6L,4.2
NEIC XI 05 21 45 07.2–1.7 19.68S–.10 33.74E–.07 10–1 4.6b,4.2
ISC Event type se.
PRE Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(582) Mozambique Channel.

ISC VIII 20 10 41 32.7–.58 15.34S–.08 41.51E–.07 10 3.9b 38 6-145
IDC VIII 20 10 41 32.5–.84 15.19S 41.49E 0 4.5L,3.9 **¶621041270**
NEIC VIII 20 10 41 33.3–.57 15.26S–.10 41.43E–.10 10–2 4.0b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(583) Madagascar.

TAN VII 09 07 46 04.6 23.66S 45.78E 18 3.9L
¶624956838
TAN Moment Tensor Solution. NP1:ϕ_s1.60000°,δ43.00000°
TAN VII 22 09 01 32.8 18.55S 48.72E 21 2.1L
¶624956923
TAN Moment Tensor Solution. NP1:ϕ_s333.00000°,δ35.60000°
TAN VIII 18 21 03 41.9 18.96S 46.77E 21 1.7L
¶624957159
TAN Moment Tensor Solution. NP1:ϕ_s225.00000°,δ7.80000°
TAN VIII 03 12 13 27.6 18.32S 48.60E 17 2.0L
¶624956992
TAN Moment Tensor Solution. NP1:ϕ_s140.20000°,δ34.80000°
TAN IX 04 01 14 27.8 18.24S 46.46E 20 2.3L
¶624957263
TAN Moment Tensor Solution. NP1:ϕ_s78.30000°,δ50.20000°
TAN X 11 09 01 37.0 18.51S 47.54E 30 3.5L
¶624957513
TAN Moment Tensor Solution. NP1:ϕ_s346.30000°,δ46.90000°
TAN IX 25 13 48 32.4 18.92S 46.74E 5 1.9L
¶624957400
TAN Moment Tensor Solution. NP1:ϕ_s152.80000°,δ45.30000°
TAN IX 06 17 21 47.1 17.53S 48.43E 36 2.4L
¶624957272
TAN Moment Tensor Solution. NP1:ϕ_s132.40000°,δ39.00000°
TAN X 12 06 22 26.9 17.68S 48.35E 33 3.5L
¶624957526
TAN Moment Tensor Solution. NP1:ϕ_s151.20000°,δ39.90000°
TAN XII 29 13 10 41.8 18.35S 45.95E 36 2.0L
¶624958056
TAN Moment Tensor Solution. NP1:ϕ_s51.10000°,δ29.30000°
TAN X 22 09 44 57.3 20.11S 46.63E 20 4.0L
¶624957595
TAN Moment Tensor Solution. NP1:ϕ_s44.30000°,δ54.90000°
TAN X 12 10 05 28.8 17.29S 48.94E 44 3.6L
¶624957524
TAN Moment Tensor Solution. NP1:ϕ_s133.00000°,δ41.80000°
TAN X 23 03 33 32.9 18.46S 46.12E 21 3.5L
¶624957604
TAN Moment Tensor Solution. NP1:ϕ_s200.80000°,δ36.80000°

TAN XII 23 06 19 09.3 14.49S 48.84E 43 3.9L
¶624958017
TAN Moment Tensor Solution. NP1:ϕ_s339.30000°,δ53.30000°

(584) South Africa.

ISC VII 05 23 39 10.5–1.2 29.76S–.04 18.21E–.04 23–11 97 1-96
PRE VII 05 23 39 09.0–.80 29.78S 18.21E 5 4.3L **¶621401403**
NEIC VII 05 23 39 10.0–1.9 29.76S–.07 18.3E–.10 5–2 4.4b
BGSI VII 05 23 39 10.9–1.2 29.86S 18.06E 0–111 4.5L
NAM VII 05 23 39 15.5–55 30.44S 18.31E 0–346 4.5L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.0km s-min=4.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.5km az=253.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGSI Event type se. Error ellipse: s-maj=92.3km s-min=68.6km az=-1.0. Presumed earthquake.
NAM Event type se. Error ellipse: s-maj=213.6km s-min=271.0km az=-1.0. Presumed earthquake.
PRE VII 09 09 30 24.9–.83 24.99S 27.18E 2 1.6L
BGSI VII 09 09 30 48.6–1.1 24.51S 25.99E 82–10 1.7L **¶624893496**
PRE Event type se. Error ellipse: s-maj=1.7km s-min=2.6km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=5.6km s-min=13.8km az=-1.0. Presumed earthquake.
ISC VII 14 10 38 17.6–1.2 27.97S–.03 26.71E–.03 2–8 4.0b 97 1-149
IDC VII 14 10 38 18.5–.86 27.93S 26.77E 0 3.9b,3.9 **¶620928588**
PRE VII 14 10 38 18.0–1.4 28.00S 26.73E 2 3.8L,3.9
NEIC VII 14 10 38 19.0–.91 28.02S–.06 26.68E–.05 5–1 4.2b,3.9
BGSI VII 14 10 38 20.4–1.5 28.07S 26.73E 8–14 4.2L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=17.9km az=127.0.
PRE Event type se. Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.3km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGSI Event type se. Error ellipse: s-maj=8.5km s-min=13.9km az=-1.0. Presumed earthquake.
PRE VII 16 13 07 36.0–.91 25.71S 27.46E 2 1.6L
BGSI VII 16 13 07 39.4–.33 25.60S 23.38E 46–13 1.7L **¶626094704**
PRE Event type se. Error ellipse: s-maj=2.1km s-min=3.1km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=5.1km s-min=5.4km az=-1.0. Presumed earthquake.
ISC VII 18 20 20 21.3–1.4 26.94S–.04 26.79E–.03 4–11 27 1-7
PRE VII 18 20 20 22.3–1.7 26.97S 26.86E 2 2.3L **¶624893519**
BGSI VII 18 20 20 40.5–2.0 26.31S 26.20E 0–17 2.9L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=16.5km s-min=11.0km az=-1.0. Presumed earthquake.
ISC VII 26 07 25 25.0–1.3 26.46S–.03 27.57E–.04 2–11 25 0-5
PRE VII 26 07 25 25.5–1.1 26.42S 27.48E 2 2.3L **¶624893534**
BGSI VII 26 07 25 30.3–1.4 26.49S 27.78E 38–51 2.6L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=10.2km s-min=14.0km az=-1.0. Presumed earthquake.
ISC VII 30 04 34 52.4–1.4 26.25S–.03 28.16E–.04 12–10 70 1-102
PRE VII 30 04 34 51.9–1.7 26.23S 28.24E 2 3.6L **¶620883713**
NEIC VII 30 04 34 51.3–1.6 26.33S–.07 28.22E–.04 5–2 4.2L
BGSI VII 30 04 34 55.0–1.4 26.35S 28.28E 16–12 3.8L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=5.0km az=16.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGSI Event type se. Error ellipse: s-maj=5.0km s-min=8.9km az=-1.0. Presumed earthquake.
PRE VII 28 14 35 38.4–1.2 25.76S 31.17E 5 2.3L
BGSI VII 28 14 36 16.9–.85 25.98S 28.70E 0–39 2.2L **¶626094883**
PRE Event type se. Error ellipse: s-maj=3.3km s-min=7.7km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=11.4km s-min=39.0km az=-1.0. Presumed earthquake.
ISC VII 31 22 43 00.6–1.4 26.41S–.03 27.57E–.03 12–11 71 1-64
NEIC VII 31 22 43 01.5–1.4 26.47S–.06 27.48E–.05 5–1 3.9b **¶620929537**
BGSI VII 31 22 43 01.9–1.2 26.55S 27.62E 6–21 3.7L
PRE VII 31 22 43 01.9–1.4 26.44S 27.58E 2 3.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.4km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGSI Event type se. Error ellipse: s-maj=16.0km s-min=14.8km az=-1.0. Presumed earthquake.
PRE Event type se. Error ellipse: s-maj=2.3km s-min=3.5km az=-1.0. Presumed earthquake.
ISC VIII 01 09 08 24.5–1.9 26.29S–.03 28.26E–.04 4–14 37 1-9
PRE VIII 01 09 08 24.3–.70 26.31S 28.30E 2 2.3L **¶620925849**
NEIC VIII 01 09 08 26.3–.90 26.28S–.08 28.2E–.20 5–2 3.6L
BGSI VIII 01 09 08 41.1–1.5 26.03S 27.24E 48–58 2.5L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=12.8km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGSI Event type se. Error ellipse: s-maj=5.1km s-min=13.1km az=-1.0. Presumed earthquake.
IDC VIII 06 09 57 00.3–5.8 26.46S 29.50E 0 2.8,2.2L
¶620998885
IDC Error ellipse: s-maj=81.4km s-min=41.7km az=149.0.
ISC VIII 06 13 26 38.8–.95 25.16S–.05 27.08E–.05 5 11 1-11
IDC VIII 06 13 26 36.1–4.6 25.05S 27.25E 0 2.6,2.0L **¶620998902**
PRE VIII 06 13 26 39.2–.51 25.10S 27.05E 2 1.5L,2.0L
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=21.1km az=65.0.
PRE Event type se. Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0. Presumed earthquake.
ISC VIII 09 11 56 23.8–2.5 23.76S–.05 27.51E–.08 9–15 14 1-10
IDC VIII 09 11 56 22.6–6.0 23.56S 27.50E 0 3.3,2.3L **¶621007257**
BGSI VIII 09 11 56 23.9–1.8 23.88S 27.69E 12–18 2.5L,2.3L
ISC Event type se.
IDC Error ellipse: s-maj=111.1km s-min=40.0km az=111.0.
BGSI Event type se. Error ellipse: s-maj=7.6km s-min=13.0km az=-1.0. Presumed earthquake.
PRE VIII 13 07 10 43.4–.91 29.17S 29.91E 5 2.0L
¶625903588
PRE Event type se. Error ellipse: s-maj=6.7km s-min=9.0km az=-1.0. Presumed earthquake.
PRE VIII 13 07 11 53.6–.57 26.94S 26.71E 2 1.2L
¶625903589
PRE Event type se. Error ellipse: s-maj=3.1km s-min=2.1km az=-1.0. Presumed earthquake.
ISC VIII 14 08 50 14.8–1.3 26.41S–.03 27.32E–.04 7–9 4.3b 76 1-88
IDC VIII 14 08 50 14.0–1.3 26.42S 27.41E 0 4.1,4.0L **¶621013467**
NEIC VIII 14 08 50 14.8–1.0 26.50S–.06 27.3E–.10 5–1 4.5b,4.0L
PRE VIII 14 08 50 14.2–1.1 26.38S 27.36E 2 2.9L,4.0L
BGSI VIII 14 08 50 16.7–1.5 26.49S 27.49E 10–10 3.6L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=8.0km az=108.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=9.7km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PRE Event type se. Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=4.9km s-min=8.0km az=-1.0. Presumed earthquake.
ISC VIII 17 07 27 44.3–1.5 26.83S–.03 26.77E–.03 9–11 36 1-6
PRE VIII 17 07 27 42.7–1.1 26.80S 26.74E 2 2.5L **¶624893653**
BGSI VIII 17 07 27 46.0–1.4 26.90S 26.80E 0–10 3.1L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=4.2km s-min=6.7km az=-1.0. Presumed earthquake.
ISC VIII 20 11 29 33.7–1.8 27.32S–.05 22.7E–.10 10 15 2-5
BGSI VIII 20 11 29 33.2–2.1 27.45S 22.57E 0–27 2.5L **¶624893666**
PRE VIII 20 11 29 51.0–.86 26.96S 24.32E 5 2.3L
ISC Event type se.
BGSI Event type se. Error ellipse: s-maj=11.7km s-min=25.2km az=-1.0. Presumed earthquake.
PRE Event type se. Error ellipse: s-maj=7.4km s-min=8.6km az=-1.0. Presumed earthquake.
ISC VIII 22 23 48 21.6–1.6 24.55S–.03 27.42E–.03 2–12 42 1-7
PRE VIII 22 23 48 22.8–1.8 24.53S 27.46E 5 2.5L **¶624893681**
BGSI VIII 22 23 48 23.1–1.1 24.63S 27.49E 0–9 3.1L

ISC Event type se.
PRE Event type se. Error ellipse: s-maj=3.6km s-min=4.6km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=4.8km s-min=7.3km az=-1.0. Presumed earthquake.
ISC VIII 28 16 30 42.2–1.1 26.44S–.03 27.61E–.04 14–9 31 1-5
PRE VIII 28 16 30 42.5–1.0 26.40S 27.42E 2 1.9L **¶624894059**
BGSI VIII 28 16 30 45.8–1.7 26.52S 27.78E 50–46 2.5L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=1.7km s-min=2.3km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=5.9km s-min=17.0km az=-1.0. Presumed earthquake.
ISC IX 02 21 24 57.9–1.3 27.08S–.05 26.97E–.04 30–15 28 0-7
BGSI IX 02 21 24 56.5–.72 27.13S 26.99E 0–15 2.7L **¶624894078**
PRE IX 02 21 24 57.9–1.0 26.93S 26.84E 5 2.3L
ISC Event type se.
BGSI Event type se. Error ellipse: s-maj=13.0km s-min=8.0km az=-1.0. Presumed earthquake.
PRE Event type se. Error ellipse: s-maj=2.4km s-min=2.5km az=-1.0. Presumed earthquake.
ISC IX 07 00 36 15.3–1.1 30.56S–.03 25.35E–.04 8–9 31 0-7
PRE IX 07 00 36 14.9–.63 30.61S 25.32E 5 2.3L **¶624894090**
BGSI IX 07 00 36 18.4–1.1 30.19S 26.69E 0–83 2.8L
ISC Event type se.
PRE Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
BGSI Event type se. Error ellipse: s-maj=74.8km s-min=23.1km az=-1.0. Presumed earthquake.
ISC IX 08 17 35 18.6–1.2 26.45S–.03 27.59E–.04 10–10 28 1-8
BGSI IX 08 17 35 15.4–.41 26.99S 28.00E 58–5 3.1L **¶624894098**
PRE IX 08 17 35 19.0–.98 26.40S 27.57E 2 2.7L
ISC Event type se.
BGSI Event type se. Error ellipse: s-maj=2.6km s-min=2.5km az=-1.0. Presumed earthquake.
PRE Event type se. Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0. Presumed earthquake.
ISC IX 17 05 33 32.5–1.3 26.89S–.03 26.79E–.03 11–9 64 1-89
NEIC IX 17 05 33 31.4–1.4 26.90S–.04 27.0E–.10 5–1 4.4b **¶621082836**
PRE IX 17 05 33 31.4–1.0 26.90S 26.75E 2 3.0L
BGSI IX 17 05 33 34.4–.66 26.93S 26.90E 6–5 3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.1km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PRE Event type se. Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=2.0km s-min=3.3km az=-1.0. Presumed earthquake.
ISC IX 19 21 24 04.5–1.5 26.89S–.05 26.76E–.04 10–14 30 1-7
PRE IX 19 21 24 03.5–1.2 26.87S 26.72E 2 2.4L **¶624894614**
BGSI IX 19 21 24 04.4–1.1 26.97S 26.93E 0–19 3.0L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=3.1km s-min=2.7km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=15.3km s-min=10.9km az=-1.0. Presumed earthquake.
PRE X 02 17 18 25.5–.73 26.40S 27.35E 2 1.2L
¶625904283
PRE Event type se. Error ellipse: s-maj=1.7km s-min=2.3km az=-1.0. Presumed earthquake.
PRE IX 25 02 51 33.2–.95 27.94S 27.02E 2 2.0L
BGSI IX 25 02 51 33.0–.90 28.36S 27.15E 95–25 2.4L **¶624894628**
PRE Event type se. Error ellipse: s-maj=5.8km s-min=5.3km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=5.9km s-min=6.8km az=-1.0. Presumed earthquake.
ISC IX 28 00 47 00.2–1.7 26.93S–.04 26.86E–.03 20–5 25 0-6
PRE IX 28 00 47 00.6–1.1 26.79S 26.79E 2 2.3L **¶624894633**
BGSI IX 28 00 47 04.7–2.4 26.96S 26.99E 31–59 2.8L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=3.5km s-min=3.8km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=10.3km s-min=18.2km az=-1.0. Presumed earthquake.
PRE X 05 12 09 22.3–.70 23.60S 29.92E 5 1.2L
¶625904302
PRE Event type se. Error ellipse: s-maj=1.5km s-min=2.4km az=-1.0. Presumed earthquake.
ISC X 05 07 46 33.6–1.7 26.85S–.06 26.71E–.04 3–15 41 1-9
PRE X 05 07 46 35.5–1.0 26.89S 26.83E 2 3.1L **¶624894645**
BGSI X 05 07 46 36.3–1.8 26.89S 26.83E 0–11 3.7L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=3.5km s-min=5.2km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=5.2km s-min=7.9km az=-1.0. Presumed earthquake.
PRE X 05 15 05 26.1–1.0 25.12S 27.13E 2 1.5L
BGSI X 05 15 05 37.4–1.5 24.90S 26.50E 17–9 1.7L **¶624894649**
PRE Event type se. Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=7.3km s-min=10.6km az=-1.0. Presumed earthquake.
ISC X 08 22 57 42.2–3.2 26.71S–.04 26.80E–.03 14–24 18 1-5
PRE X 08 22 57 40.9–.88 26.72S 26.73E 2 1.8L **¶624894657**
BGSI X 08 22 57 44.9–.75 27.35S 26.66E 40–14 2.8L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.5km s-min=2.7km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=7.4km s-min=5.0km az=-1.0. Presumed earthquake.
ISC X 10 01 31 53.9–1.4 26.88S–.04 26.81E–.03 9–11 30 0-6
PRE X 10 01 31 54.4–1.0 26.81S 26.86E 2 1.9L **¶624894662**
BGSI X 10 01 31 56.8–.91 26.95S 26.79E 6–7 2.6L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=3.2km s-min=5.2km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=2.9km s-min=4.8km az=-1.0. Presumed earthquake.
PRE X 16 08 22 51.3–1.3 26.44S 27.54E 2 2.1L
BGSI X 16 08 22 54.9–.52 26.50S 27.77E 48–27 2.3L **¶624894672**
PRE Event type se. Error ellipse: s-maj=2.7km s-min=4.9km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=1.8km s-min=7.2km az=-1.0. Presumed earthquake.
PRE X 11 15 50 03.6–.90 30.37S 27.90E 5 2.6L
BGSI X 11 15 50 12.7–2.4 29.59S 27.88E 0–76 2.9L **¶624894665**
PRE Event type se. Error ellipse: s-maj=3.4km s-min=3.0km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=61.7km s-min=43.5km az=-1.0. Presumed earthquake.
ISC X 16 23 25 39.8–1.5 26.32S–.04 27.43E–.04 4–10 4.0b 75 0-88
PRE X 16 23 25 39.7–.64 26.33S 27.55E 2 2.9L **¶621242154**
IDC X 16 23 25 39.6–.98 26.36S 27.53E 0 4.0,3.9L
NEIC X 16 23 25 40.4–1.0 26.40S–.02 27.46E–.09 5–1 4.0b,3.9L
BGSI X 16 23 25 41.2–1.4 26.56S 27.61E 17–26 3.5L,3.9L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=15.4km s-min=8.2km az=109.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=3.1km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGSI Event type se. Error ellipse: s-maj=16.9km s-min=15.9km az=-1.0. Presumed earthquake.
ISC X 18 20 48 09.5–1.2 26.55S–.05 26.78E–.04 6 24 1-5
BGSI X 18 20 48 06.3–1.2 26.95S 27.09E 15–13 2.6L **¶624894676**
PRE X 18 20 48 07.1–.84 26.58S 26.64E 2 2.1L
ISC Event type se.
BGSI Event type se. Error ellipse: s-maj=4.3km s-min=7.7km az=-1.0. Presumed earthquake.
PRE Event type se. Error ellipse: s-maj=2.4km s-min=4.7km az=-1.0. Presumed earthquake.
ISC X 25 05 06 17.7–1.3 26.47S–.03 27.67E–.03 6–11 30 1-5
PRE X 25 05 06 20.5–.59 26.34S 27.59E 2 2.4L **¶624894695**
BGSI X 25 05 06 22.1–1.6 26.47S 27.82E 20–17 2.8L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=5.4km s-min=11.5km az=-1.0. Presumed earthquake.
ISC X 21 00 07 57.3–1.6 26.53S–.03 27.48E–.03 1–12 38 0-5
PRE X 21 00 07 57.5–.91 26.45S 27.35E 2 1.9L **¶624894685**
BGSI X 21 00 08 02.5–1.1 26.59S 27.54E 18–10 2.8L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=1.5km s-min=2.3km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=3.7km s-min=6.3km az=-1.0. Presumed earthquake.
ISC X 22 19 00 56.2–1.2 27.97S–.05 26.70E–.04 4 30 1-7
PRE X 22 19 00 57.1–.69 27.99S 26.69E 2 2.4L **¶624894689**
BGSI X 22 19 00 58.5–1.1 28.30S 26.78E 36–45 2.9L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=12.9km s-min=6.9km az=-1.0. Presumed earthquake.
PRE X 23 13 51 16.8–.36 26.45S 27.50E 2 2.1L
BGSI X 23 13 51 20.0–.96 26.48S 27.88E 51–999 2.2L **¶624894691**
PRE Event type se. Error ellipse: s-maj=1.3km s-min=1.1km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=5.3km s-min=20.3km az=-1.0. Presumed earthquake.
PRE X 20 19 30 47.5–.92 26.43S 27.40E 2 1.7L
BGSI X 20 19 30 54.5–.56 27.05S 27.31E 31–38 2.3L **¶624894684**

PRE Event type se. Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=21.1km s-min=11.7km az=-1.0. Presumed earthquake.
ISC X 23 03 50 55.8–1.7 26.37S–.04 27.39E–.04 2–12 35 1-9
BGSI X 23 03 50 56.3–1.5 26.54S 27.60E 0–11 3.2L **¶624894690**
PRE X 23 03 50 56.0–1.3 26.35S 27.42E 2 2.6L
ISC Event type se.
BGSI Event type se. Error ellipse: s-maj=5.0km s-min=8.3km az=-1.0. Presumed earthquake.
PRE Event type se. Error ellipse: s-maj=3.7km s-min=5.3km az=-1.0. Presumed earthquake.
ISC X 27 09 01 21.1–1.2 26.28S–.03 28.30E–.03 6–10 50 1-102
BGSI X 27 09 01 19.2–1.3 26.30S 28.92E 12–12 3.3L **¶621242484**
NEIC X 27 09 01 21.0–1.4 26.36S–.06 28.4E–.10 5–2 4.1L
PRE X 27 09 01 24.3–1.1 26.36S 28.10E 2 3.1L
ISC Event type se.
BGSI Event type se. Error ellipse: s-maj=5.0km s-min=10.4km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=9.9km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PRE Event type se. Error ellipse: s-maj=2.0km s-min=2.6km az=-1.0. Presumed earthquake.
ISC X 27 09 14 59.9–1.3 27.85S–.04 26.66E–.03 8–10 28 1-149
PRE X 27 09 14 59.5–.90 27.89S 26.66E 2 3.0L **¶621385454**
IDC X 27 09 15 00.5–1.5 27.81S 26.67E 0 4.0,3.9b
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.0km s-min=2.0km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=24.0km s-min=8.9km az=112.0.
IDC XI 04 09 40 55.6–5.8 25.99S 28.91E 0 2.6,2.1L
¶621412289
IDC Error ellipse: s-maj=89.3km s-min=39.7km az=140.0.
PRE XI 03 15 05 37.3–.90 26.41S 27.32E 2 2.9L
BGSI XI 03 15 05 39.2–.88 26.48S 27.44E 0–5 3.4L **¶624894724**
PRE Event type se. Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=2.7km s-min=4.3km az=-1.0. Presumed earthquake.
ISC XI 03 19 05 45.8–.83 24.71S–.03 27.40E–.04 10 28 1-4
PRE XI 03 19 05 45.4–1.0 24.73S 27.38E 2 2.3L **¶624894726**
BGSI XI 03 19 05 51.8–.67 24.77S 27.42E 0–6 2.7L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.6km s-min=3.0km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=3.1km s-min=4.8km az=-1.0. Presumed earthquake.
ISC XI 06 21 00 06.4–1.4 26.91S–.04 26.82E–.03 8–11 44 0-7
PRE XI 06 21 00 05.6–1.0 26.93S 26.80E 2 2.7L **¶624894748**
BGSI XI 06 21 00 07.0–.72 27.28S 27.04E 42–9 3.3L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.3km s-min=3.2km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=4.3km s-min=3.4km az=-1.0. Presumed earthquake.
PRE XI 09 15 54 32.4–.70 25.72S 27.47E 2 1.8L
BGSI XI 09 15 54 34.6–.42 24.15S 23.65E 0–10 1.6L **¶625904749**
PRE Event type se. Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=3.3km s-min=10.1km az=-1.0. Presumed earthquake.
ISC XI 13 17 17 12.7–1.3 26.95S–.03 26.80E–.03 5–11 26 0-5
PRE XI 13 17 17 11.7–.86 26.92S 26.77E 2 2.5L **¶624894780**
BGSI XI 13 17 17 14.4–.78 27.04S 26.81E 0–18 3.2L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=14.7km s-min=9.6km az=-1.0. Presumed earthquake.
ISC XI 13 17 43 38.1–1.2 26.87S–.05 26.77E–.03 13–10 31 1-7
PRE XI 13 17 43 36.9–1.1 26.82S 26.76E 2 2.4L **¶624894781**
BGSI XI 13 17 43 41.2–.85 27.14S 26.63E 140–12 3.0L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.5km s-min=2.5km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=4.9km s-min=4.9km az=-1.0. Presumed earthquake.
ISC XI 16 21 44 21.9–1.3 26.32S–.03 27.84E–.04 3–11 25 0-7
PRE XI 16 21 44 22.8–.96 26.26S 27.88E 2 2.2L **¶624894793**
BGSI XI 16 21 44 26.7–1.3 26.29S 28.00E 168–25 2.8L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=7.8km s-min=10.7km az=-1.0. Presumed earthquake.
ISC XI 27 08 55 14.3–2.3 26.91S–.05 26.83E–.04 5–17 22 0-6
PRE XI 27 08 55 14.7–.91 26.88S 26.76E 2 2.6L **¶624894823**
BGSI XI 27 08 55 17.1–.53 26.95S 26.91E 9–4 2.6L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=3.1km s-min=2.0km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0. Presumed earthquake.
ISC XI 26 13 43 46.9–1.3 27.02S–.03 26.88E–.04 19–4 26 0-5
PRE XI 26 13 43 44.8–1.2 26.98S 26.79E 2 2.6L **¶624894822**
BGSI XI 26 13 43 46.4–1.3 27.04S 26.98E 0–13 2.9L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=3.0km s-min=2.4km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=4.3km s-min=12.6km az=-1.0. Presumed earthquake.
ISC XI 28 20 16 12.8–1.4 26.80S–.03 26.74E–.03 7–11 26 1-6
PRE XI 28 20 16 12.6–.95 26.85S 26.72E 2 2.1L **¶624894828**
BGSI XI 28 20 16 16.4–1.1 26.75S 26.81E 5–30 2.5L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=23.7km s-min=15.2km az=-1.0. Presumed earthquake.
ISC XI 29 17 10 05.6–1.7 26.41S–.04 27.68E–.07 21–6 32 1-5
PRE XI 29 17 10 05.0–1.2 26.38S 27.36E 2 2.4L **¶624894832**
BGSI XI 29 17 10 06.2–1.0 26.40S 27.71E 0–20 2.6L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.3km s-min=4.1km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=13.9km s-min=15.1km az=-1.0. Presumed earthquake.
PRE XII 04 09 27 31.0–1.0 28.00S 26.87E 2 1.7L
BGSI XII 04 09 27 38.4–1.2 28.12S 23.77E 32 1.8L **¶625905162**
PRE Event type se. Error ellipse: s-maj=2.5km s-min=3.0km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=6.6km s-min=9.6km az=-1.0. Presumed earthquake.
PRE XII 07 22 24 03.8–1.1 27.90S 26.75E 2 2.4L
BGSI XII 07 22 24 02.9–2.4 26.77S 25.73E 441–48 3.1L **¶624894854**
PRE Event type se. Error ellipse: s-maj=3.8km s-min=5.2km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=43.6km s-min=55.4km az=-1.0. Presumed earthquake.
PRE XII 07 16 04 05.6–.80 26.05S 26.64E 5 1.9L
¶625905199
PRE Event type se. Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0. Presumed earthquake.
ISC XII 11 00 42 35.9–3.3 26.84S–.04 26.83E–.04 9–23 26 1-6
PRE XII 11 00 42 34.5–1.1 26.82S 26.77E 2 2.5L **¶624894870**
BGSI XII 11 00 42 39.9–.98 26.87S 26.72E 6–7 2.7L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=3.3km s-min=4.2km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=3.0km s-min=5.6km az=-1.0. Presumed earthquake.
ISC XII 12 21 23 49.3–.79 27.19S–.04 26.95E–.03 6 34 1-8
BGSI XII 12 21 23 49.3–1.9 27.52S 27.09E 198–41 3.4L **¶624894875**
PRE XII 12 21 23 52.0–1.1 26.95S 26.79E 2 2.8L
ISC Event type se.
BGSI Event type se. Error ellipse: s-maj=14.6km s-min=11.0km az=-1.0. Presumed earthquake.
PRE Event type se. Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0. Presumed earthquake.
PRE XII 14 07 50 04.6–.63 26.36S 27.54E 2 1.6L
BGSI XII 14 07 50 08.0–.54 26.54S 27.70E 42–9 2.0L **¶624894877**
PRE Event type se. Error ellipse: s-maj=2.3km s-min=8.5km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=1.9km s-min=4.8km az=-1.0. Presumed earthquake.
ISC XII 16 00 59 55.9–1.2 26.43S–.03 27.60E–.04 6–8 4.0b 70 1-149
PRE XII 16 00 59 54.9–.98 26.45S 27.63E 2 3.2L **¶621630950**
IDC XII 16 00 59 55.5–.91 26.45S 27.62E 0 4.2L,4.1
NEIC XII 16 00 59 55.9–1.4 26.50S–.05 27.57E–.08 5–1 4.1b,4.1
ISC Event type se.
PRE Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 06 39 44.4–.97 27.78S–.05 26.64E–.04 4 29 1-8
PRE XII 22 06 39 43.4–1.4 27.81S 26.62E 2 2.6L **¶624894904**
BGSI XII 22 06 39 46.8–.98 27.93S 26.79E 12–10 3.0L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=4.4km s-min=5.9km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=6.1km s-min=10.6km az=-1.0. Presumed earthquake.
PRE XII 16 02 18 09.3–.93 26.44S 27.61E 2 2.7L

BGSI XII 16 02 18 10.2–1.1 26.57S 27.76E 1–8 3.1L **¶624894890**
PRE Event type se. Error ellipse: s-maj=1.5km s-min=2.1km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=3.9km s-min=6.6km az=-1.0. Presumed earthquake.
ISC XII 20 21 33 27.6–1.7 26.25S–.06 27.76E–.04 12–10 28 0-8
PRE XII 20 21 33 24.0–.73 26.40S 27.68E 2 2.2L **¶624894900**
BGSI XII 20 21 33 31.6–1.3 26.14S 27.80E 2–23 2.7L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=16.2km s-min=18.1km az=-1.0. Presumed earthquake.
ISC XII 22 20 04 47.1–1.4 26.64S–.06 27.04E–.04 6 20 1-6
PRE XII 22 20 04 41.2–.86 26.86S 26.76E 2 2.6L **¶624894906**
BGSI XII 22 20 04 43.8–1.1 26.85S 27.42E 0–22 2.9L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=17.1km s-min=14.9km az=-1.0. Presumed earthquake.
PRE XII 26 18 07 26.8–1.2 26.44S 27.67E 2 2.7L
BGSI XII 26 18 07 24.9–2.1 26.62S 27.93E 2–43 3.3L **¶624894917**
PRE Event type se. Error ellipse: s-maj=2.4km s-min=2.9km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=30.6km s-min=31.1km az=-1.0. Presumed earthquake.
PRE XII 27 03 43 03.4–1.1 26.19S 27.84E 2 1.7L
BGSI XII 27 03 43 04.2–1.1 25.89S 22.82E 50–98 2.0L **¶625905479**
PRE Event type se. Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=5.7km s-min=28.6km az=-1.0. Presumed earthquake.
ISC XII 27 12 09 37.2–1.3 26.41S–.03 27.54E–.04 5–10 36 1-7
PRE XII 27 12 09 37.0–1.1 26.39S 27.51E 2 2.4L **¶624894919**
BGSI XII 27 12 09 38.1–.87 26.51S 27.69E 0–6 3.2L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=1.8km s-min=2.8km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=3.0km s-min=5.3km az=-1.0. Presumed earthquake.
ISC XII 31 01 01 45.9–1.5 26.80S–.04 26.71E–.03 7–12 28 1-5
PRE XII 31 01 01 45.4–1.0 26.74S 26.71E 2 2.1L **¶624894926**
BGSI XII 31 01 01 50.8–1.6 26.88S 26.76E 29–20 2.6L
ISC Event type se.
PRE Event type se. Error ellipse: s-maj=2.3km s-min=2.5km az=-1.0. Presumed earthquake.
BGSI Event type se. Error ellipse: s-maj=5.0km s-min=9.1km az=-1.0. Presumed earthquake.

(587) Off coast of South Africa.

IDC XII 05 21 05 27.6–406 33.35S 15.26E 0
¶621631272
IDC Error ellipse: s-maj=200.5km s-min=156.6km az=157.0.

(743) Western Sahara.

ISC IX 16 16 35 36.6–4.0 23.1N–.30 12W–1.0 10 4.0b 9 18-149
IDC IX 16 16 35 35.5–4.1 23.02N 12.21W 0 4.0L,3.9b **¶621112901**
ISC Event type se.
IDC Error ellipse: s-maj=190.9km s-min=37.5km az=96.0.

(744) Mauritania.

ISC VII 01 19 16 22.7–.93 22.51N–.08 12.1W–.10 10 4.0b 31 7-149
IDC VII 01 19 16 23.5–1.4 22.86N 12.30W 0 3.9,3.8b **¶620927690**
NEIC VII 01 19 16 23.2–1.4 22.56N–.08 12.5W–.20 10–2 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 13 15 22 41.1–2.2 22.8N–.20 11.9W–.40 10 3.8b 9 16-149
IDC VII 13 15 22 39.2–2.7 22.90N 12.22W 0 3.8,3.7b **¶620928543**
ISC Event type se.
IDC Error ellipse: s-maj=86.6km s-min=27.5km az=82.0.
ISC VIII 05 14 48 23.2–1.4 22.7N–.20 12.3W–.20 10 3.7b 9 16-149
IDC VIII 05 14 48 22.5–1.5 22.88N 12.48W 0 3.7,3.6L **¶620998816**
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=34.4km az=72.0.
ISC VIII 28 15 51 06.4–2.8 23.2N–.20 11.4W–.50 10 3.7b 8 16-148
IDC VIII 28 15 50 59.9–3.1 23.00N 12.46W 0 3.8,3.7L **¶621073118**
ISC Event type se.
IDC Error ellipse: s-maj=92.2km s-min=35.1km az=78.0.
ISC VIII 21 15 16 20.2–3.5 22.8N–.20 11.9W–.50 10 3.8b 7 16-149
IDC VIII 21 15 16 17.5–3.4 22.86N 12.42W 0 3.8b,3.6L **¶621043001**
ISC Event type se.
IDC Error ellipse: s-maj=92.6km s-min=33.3km az=77.0.
ISC X 14 23 06 30.9–1.1 16.22N–.08 7.3W–.10 10 3.9b 17 9-57
IDC X 14 23 06 31.1–1.2 16.34N 7.46W 0 3.8L,3.8b **¶621240662**
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=11.6km az=68.0.
IDC XII 14 17 15 34.4–4.6 22.56N 12.15W 0 3.7b,3.7
¶621652942
IDC Error ellipse: s-maj=236.7km s-min=53.5km az=106.0.
ISC XI 06 15 14 05.8–1.7 22.8N–.10 11.8W–.20 10 3.8b 14 8-149
IDC XI 06 15 14 03.9–3.3 23.07N 12.24W 0 4.3s,3.9b **¶621415990**
ISC Event type se.
IDC Error ellipse: s-maj=91.0km s-min=39.3km az=77.0.
ISC XII 06 16 54 39.8–2.9 22.9N–.30 11.5W–.50 10 3.7b 6 16-148
IDC XII 06 16 54 36.0–2.9 22.90N 12.04W 0 3.8s,3.6b **¶621632607**
ISC Event type se.
IDC Error ellipse: s-maj=90.1km s-min=41.6km az=74.0.
ISC XI 19 12 22 13.0–2.2 22.7N–.20 12.0W–.50 10 6 16-149
IDC XI 19 12 22 11.4–3.0 22.81N 12.25W 0 3.8b,3.7 **¶621590290**
ISC Event type se.
IDC Error ellipse: s-maj=96.9km s-min=33.2km az=76.0.
ISC XII 13 16 34 20.4–1.9 22.8N–.20 12.1W–.30 10 3.7b 8 16-149
IDC XII 13 16 34 19.7–1.9 22.98N 12.22W 0 3.8b,3.7 **¶621650584**
ISC Event type se.
IDC Error ellipse: s-maj=54.5km s-min=34.5km az=63.0.

(747) Guinea region.

ISC XII 07 19 43 54.7–1.1 10.6N–.20 12.5W–.10 10 3.8b 12 8-147
IDC XII 07 19 43 51.7–1.4 10.51N 12.96W 0 3.8b,3.8 **¶621632694**
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=17.9km az=27.0.
ISC X 30 13 32 37.5–1.2 10.5N–.20 12.7W–.20 10 3.8b 11 9-148
IDC X 30 13 32 36.5–1.2 10.66N 12.82W 0 4.0L,3.8b **¶621395178**
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=15.9km az=38.0.

SEISMIC REGION 38.
Australia.

(588) Northwest of Australia.

ISC VIII 10 23 22 25.3–.50 19.79S–.05 113.14E–.07 10 4.2b,3.1s 97 3-145
IDC VIII 10 23 22 25.3–.79 19.70S 113.09E 0 4.3L,4.1b **¶620980007**
NEIC VIII 10 23 22 26.3–1.1 19.74S–.04 113.1E–.10 10–1 4.4b,4.1b
AUST VIII 10 23 22 30.9–.77 20S–4.0 113E–6.0 10 4.4b,4.2L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST VIII 17 03 31 28.8–.91 20S–5.0 113E–5.0 10 4.1b,3.3L
¶620996151
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST X 18 10 45 57.4–.64 18S–5.0 119E–4.0 10 3.9b,2.8L
¶621206740
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(589) West of Australia.

ISC VIII 14 22 45 09.3–1.1 31.31S–.05 113.55E–.08 10 49 2-24
IDC VIII 14 22 45 08.6–3.3 31.26S 113.45E 0 3.8L,3.6 **¶620986828**
AUST VIII 14 22 45 12.9–.55 31S–3.0 114E–4.0 10 4.1b,3.2L
ISC Event type ke.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(590) Western Australia.

ISC VII 04 00 41 42.0–1.1 31.37S–.03 117.25E–.02 9–10 52 0-9
AUST VII 04 00 41 42.4–.20 31S–1.0 117E–2.0 2–1 4.4b,2.9L **¶620733494**
CUPWA VII 04 00 41 43.7–.46 31.40S 117.24E 5–10 2.9L,2.9L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=121.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CUPWA Region: WESTERN AUSTRALIA.
AUST VII 04 20 52 43.2–.74 18S–6.0 120E–4.0 10 4.2b,2.8L
¶620733773
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST VII 07 04 51 06.6–.31 32S–5.0 127E–2.0 10 3.8b,2.9L
¶620772580
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST VII 07 10 53 23.9–.23 31S–2.0 117E–2.0 3–1 4.7b,2.5L
¶620758228
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC VII 11 04 55 22.3–6.0 23.27S 119.39E 0 3.6L,3.5b
¶620928405
IDC Error ellipse: s-maj=85.6km s-min=48.1km az=155.0.
AUST VII 15 20 46 08.4–.35 29S–4.0 124E–3.0 10 3.5L
¶620831311
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 18 21 34 04.8–1.3 33.89S–.03 118.28E–.04 3–11 43 1-9
CUPWA VII 18 21 34 05.9–2.3 33.87S 118.33E 7–23 2.6L **¶620834043**
AUST VII 18 21 34 05.6–.32 34S–2.0 118E–3.0 5 3.7b,2.6L
ISC Event type ke.
CUPWA Region: WESTERN AUSTRALIA.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 19 08 12 47.6–1.4 30.90S–.02 117.28E–.02 15–11 63 0-15
AUST VII 19 08 12 48.6–.23 31S–2.0 117E–2.0 8–2 3.9b,3.5L **¶620833507**
CUPWA VII 19 08 12 49.6–.31 30.95S 117.25E 4–10 3.5L,3.5L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=3.5km s-min=3.3km az=55.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CUPWA Region: WESTERN AUSTRALIA.
AUST VII 20 05 35 32.0–.32 31S–2.0 117E–2.0 2–1 4.0b,2.6L
¶620834138
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 27 11 52 18.4–.70 30.92S–.02 117.28E–.03 15 55 0-16
AUST VII 27 11 52 18.7–.23 31S–2.0 117E–2.0 5 4.3b,3.3L **¶620856920**
CUPWA VII 27 11 52 19.5–.74 30.94S 117.25E 3–23 3.3L,3.3L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=123.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CUPWA Region: WESTERN AUSTRALIA.
AUST VII 26 08 00 06.7–.27 31S–2.0 117E–2.0 10–1 3.9b,2.5L
¶620846047
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST VII 27 11 56 59.7–.25 31S–2.0 117E–2.0 8–2 4.3b,3.0L
¶620856921
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST VII 21 15 59 46.2–.27 31S–2.0 117E–2.0 3–1 4.4b,2.4L
¶620844219
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VII 27 13 36 46.6–1.0 30.89S–.02 117.30E–.03 13–9 56 0-18
AUST VII 27 13 36 47.4–.23 31S–2.0 117E–2.0 6–2 4.1b,3.2L **¶620856924**
CUPWA VII 27 13 36 48.1–3.4 30.93S 117.25E 2–411 4.1b,3.2L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=20.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CUPWA Region: WESTERN AUSTRALIA.
AUST VII 28 16 43 54.1–.27 31S–2.0 117E–2.0 10–1 3.9b,2.6L
¶620857615
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 07 05 20 20.4–.61 22.63S–.05 120.17E–.06 10 4.0b 78 2-82
AUST VIII 07 05 20 20.4–.25 23S–2.0 120E–3.0 10 4.0b,3.5L **¶620976041**
IDC VIII 07 05 20 20.7–1.1 22.48S 119.98E 0 4.2L,4.0
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=87.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=18.9km s-min=12.8km az=138.0.
AUST VII 28 07 50 32.2–.26 31S–2.0 117E–2.0 10 2.6L
¶620857187
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST VIII 03 07 14 52.8–.50 30S–3.0 118E–3.0 7–2 2.1L
¶620930464
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST VIII 06 06 11 39.1–.51 31S–4.0 117E–2.0 2–2 5.3b,1.7L
¶620970721
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST VII 31 17 42 37.9–.47 18S–5.0 120E–3.0 10 4.2b,3.5L
¶620925375
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 07 15 05 48.6–.99 30.92S–.03 117.31E–.02 17–8 62 0-19
AUST VIII 07 15 05 48.8–.23 31S–1.0 117E–1.0 12–1 5.3,3.5b **¶620976238**
CUPWA VIII 07 15 05 49.8–.58 30.95S 117.26E 4–21 3.0L,3.5b
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=113.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CUPWA Region: WESTERN AUSTRALIA.
ISC VIII 07 06 27 49.5–.89 30.26S–.04 117.76E–.04 17–4 31 0-14
AUST VIII 07 06 27 49.0–.27 30S–2.0 118E–2.0 5 3.6b,3.0L **¶620976042**
CUPWA VIII 07 06 27 51.4–22 30.25S 117.75E 2–209 2.9L,3.0L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=101.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CUPWA Region: WESTERN AUSTRALIA.
AUST VIII 07 22 18 48.6–.55 18S–5.0 120E–3.0 10 4.1b,3.1L
¶620976251
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 19 22 53 07.5–.86 21.62S–.05 120.75E–.05 10 31 1-11
AUST VIII 19 22 53 09.0–.87 22S–2.0 121E–3.0 21–7 4.2b,3.3L **¶620997432**
ISC Event type ke.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST VIII 13 20 42 31.8–.24 31S–2.0 117E–2.0 3–1 2.5L
¶620986451
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC VIII 14 08 06 11.5–3.8 22.41S 119.67E 0 3.5,2.2L
¶621013463
IDC Error ellipse: s-maj=65.2km s-min=17.5km az=124.0.
AUST VIII 13 05 24 48.2–.35 28S–7.0 124E–5.0 10 4.0b,3.3L
¶620984730
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST VIII 15 16 41 15.3–.98 21S–6.0 120E–6.0 17–10 3.6b,2.9L
¶620987270
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VIII 12 10 42 14.3–1.0 30.23S–.03 117.76E–.03 9–6 40 0-11
AUST VIII 12 10 42 14.6–.34 30S–2.0 118E–2.0 9–1 4.2b,2.4L **¶620984563**
CUPWA VIII 12 10 42 16.1–2.1 30.28S 117.78E 0–14 2.4L,2.4L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=59.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CUPWA Region: WESTERN AUSTRALIA.
AUST VIII 20 21 58 10.0–.22 31S–1.0 117E–2.0 5 4.2b,2.4L
¶620999687
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST IX 06 11 46 25.3–.23 31S–2.0 117E–2.0 8–2 3.6b,2.6L
¶621039289
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST IX 01 02 17 10.8–.27 31S–2.0 117E–2.0 5 2.5L
¶621012681
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC IX 05 08 50 51.8–.86 30.92S–.02 117.26E–.02 18–2 55 0-16
AUST IX 05 08 50 51.7–.21 31S–1.0 117E–1.0 5 2.9L **¶621035486**
CUPWA IX 05 08 50 52.8–.54 30.94S 117.25E 5–26 2.9L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=107.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CUPWA Region: WESTERN AUSTRALIA.
ISC VIII 25 22 17 44.0–.52 16.43S–.04 127.76E–.04 10 109 1-75
AUST VIII 25 22 17 44.1–.65 16S–3.0 128E–2.0 2–6 4.7,4.7L **¶621007383**
NEIC VIII 25 22 17 45.0–1.4 16.39S–.07 127.71E–.06 9–1 4.1b,4.7L
IDC VIII 25 22 17 44.5–1.1 16.34S 127.78E 0 4.3L,4.1
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=162.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.8km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.9km s-min=9.6km az=31.0.
AUST IX 05 05 05 58.3–.27 32S–3.0 122E–1.0 10 3.8b,2.9L
¶621039468
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST IX 06 17 33 26.2–.61 18S–5.0 120E–4.0 10 3.8b,2.7L
¶621039536
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC IX 25 01 43 26.7–.60 18.17S–.05 120.36E–.04 10 4.0b,2.9s 94 2-86
AUST IX 25 01 43 27.1–.21 18S–2.0 120E–2.0 10 4.7b,3.9L **¶621109878**
IDC IX 25 01 43 30.4–1.0 18.16S 120.50E 0 4.1,3.9L
NEIC IX 25 01 43 30.1–2.0 18.30S–.06 120.57E–.05 10–1 4.4b,3.9L
ISC Event type ke.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 10 34 39.8–1.4 33.21S–.03 119.24E–.04 1–10 50 1-8
AUST IX 23 10 34 40.7–.38 33S–3.0 119E–3.0 10 3.7b,2.6L **¶621106549**
CUPWA IX 23 10 34 42.4–4.5 33.25S 119.10E 2–25 2.7L,2.6L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=125.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CUPWA Region: WESTERN AUSTRALIA.
AUST IX 10 05 54 12.4–1.2 21S–4.0 121E–5.0 12–12 3.7b,2.0L
¶621051062
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST IX 15 05 31 02.8–.57 23S–2.0 120E–2.0 9–4 4.0b,3.2L
¶621073663
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST IX 19 01 41 56.5–.70 20S–6.0 117E–3.0 10 3.9b,2.5L
¶621093575
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST IX 21 18 53 55.4–.56 21S–4.0 119E–2.0 1–5 3.7b,2.7L
¶635723037
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST IX 21 18 54 05.2–.40 21S–3.0 119E–2.0 0 2.8L
¶621094754
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST IX 27 14 22 06.0–.51 18S–5.0 122E–3.0 14–6 4.1b,3.0L
¶621110920
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST IX 30 11 17 44.5–.47 25S–2.0 117E–5.0 10 3.8b,3.2L
¶621113294
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST X 05 08 38 42.7–.25 31S–2.0 117E–2.0 8–1 4.0b,2.3L
¶621125952
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST X 08 18 59 39.8–.27 17S–2.0 129E–2.0 10 3.4b,2.7L
¶621142336
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST X 07 09 44 48.0–.54 31S–4.0 122E–2.0 2–4 5.2,3.5b
¶621126709
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 13 13 05 52.8–.21 21.14S–.03 119.88E–.03 10 5.4b,4.5s 1099 0-152
IDC XI 13 13 05 52.0–.34 21.14S 119.86E 0 5.5L,5.1 **¶621402738**
BJI XI 13 13 05 52.1 21.38S 120.20E 29 5.2b,5.1b
AUST XI 13 13 05 52.7–.10 21S–1.0 120E–1.0 10 5.9b,5.3L
NOU XI 13 13 05 52.1 21.18S 119.82E 13 5.9b,5.3L
MOS XI 13 13 05 52.0–.95 21.07S 119.79E 11 5.4b,5.3L
GFZ XI 13 13 05 53.1–.16 21S–2.0 120E–3.0 10 6.8L,6.0b
NEIC XI 13 13 05 54.2–2.4 20.93S–.04 119.81E–.07 10–1 5.4b,5.3
GFZ XI 13 13 05 55.9 21.14S 119.89E 29 5.3W,5.3
GCMT XI 13 13 05 59.0–.10 21.10S–.01 119.82E–.01 30–0 5.4W,5.3
ISC Event type ke.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NOU Western Australia.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97 $M_{\theta\theta}$1.08 $M_{\phi\phi}$-0.11 $M_{r\theta}$0.19 $M_{\theta\phi}$-0.34 $M_{\phi r}$-0.38 NP1: ϕ_s86.36524°,δ40.77970°,λ-119.19456°. NP2:ϕ_s302.78880°,δ55.23712°,λ-67.18175°. Principal axes: T 1.2115,Plg7.6003°,Azm16.7283°; N -0.0931,Plg18.5778°,Azm109.2987° ; P -1.1184,Plg69.8209°,Azm265.4394° $M_0$1.16772×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111131305A. Moment Tensor Solution. s124,c202; s139,c255;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24±.02 $M_{\theta\theta}$1.57±.02; $M_{\phi\phi}$-1.33±.02; $M_{r\theta}$0.24±.03; $M_{\theta\phi}$-0.43±.01; $M_{\phi r}$-0.36±.03; Best double couple: NP1: ϕ_s54.00000°,δ73.00000°,λ-176.00000°. NP2:ϕ_s322.00000°,δ86.00000°,λ-17.00000°. Principal axes: T 1.6760,Plg9.0000°,Azm9.0000°; N -0.2000,Plg73.0000°,Azm129.0000° ; P -1.4750,Plg15.0000°,Azm277.0000° $M_0$1.57600×10^{17}
AUST X 12 12 15 55.9–.28 31S–4.0 127E–2.0 10 4.2b,3.2L
¶621146547
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 21 03 21 11.9–1.2 28.84S–.06 113.21E–.09 10 4.3b 60 2-61
NEIC X 21 03 21 09.9–1.2 28.86S–.09 112.7E–.10 10–2 4.4b **¶621229650**
AUST X 21 03 21 14.6–.48 29S–2.0 113E–4.0 10 4.2b,3.4L
IDC X 21 03 21 17.9–4.9 28.92S 113.64E 0 3.9L,3.7
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=15.5km az=255.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AUST Event type ke. Error ellipse: s-maj=8.1km s-min=4.7km az=74.2. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=66.4km s-min=21.3km az=92.0.
AUST X 15 05 49 43.9–.75 25S–3.0 113E–7.0 10 3.8b,3.0L
¶621205000
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 22 05 57 27.5–.65 30.28S–.04 123.21E–.04 10 79 2-16
IDC X 22 05 57 28.5–1.3 30.39S 123.23E 0 3.8L,3.8 **¶621236068**
AUST X 22 05 57 29.2–.20 30S–2.0 123E–2.0 10 3.9b,3.4L
ISC Event type ke.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST X 23 16 59 58.7–.22 21S–2.0 121E–2.0 10 4.0b,3.4L
¶621237898
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST X 27 00 34 58.9–.51 19S–4.0 120E–3.0 10 3.0L
¶621241110
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST XI 14 02 04 10.9–.52 21S–3.0 120E–3.0 10 3.8b,2.7L
¶621403200
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST XI 13 14 20 49.0–.25 21S–2.0 120E–2.0 10 3.9b,3.1L
¶621402813
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST XI 13 14 52 05.3–.27 21S–3.0 120E–2.0 10 3.7b,3.2L
¶621402814
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST XI 18 03 18 00.4–.25 30S–2.0 118E–2.0 4–2 3.8b,2.3L
¶621416130
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST XI 14 13 29 14.5–.24 31S–2.0 117E–2.0 7–1 4.4b,2.5L
¶621403203
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XI 14 23 15 29.4–.87 30.40S–.03 117.76E–.03 8–6 40 0-9
AUST XI 14 23 15 29.1–.24 30S–2.0 118E–2.0 7–1 3.9b,2.6L **¶626711737**
CUPWA XI 14 23 15 30.2–3.7 30.38S 117.77E 6–40 2.6L,2.6L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=90.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CUPWA Region: WESTERN AUSTRALIA.
AUST XI 25 11 22 23.8–.35 30S–2.0 118E–2.0 8–1 4.0b,2.1L
¶621468828
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XI 25 20 22 35.0–1.2 33.85S–.03 118.19E–.03 1–11 31 0-9
AUST XI 25 20 22 35.0–.28 34S–2.0 118E–3.0 6–3 4.0b,2.3L **¶621469740**
CUPWA XI 25 20 22 36.3–1.5 33.91S 118.25E 0–33 4.0b,2.3L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=116.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
CUPWA Region: WESTERN AUSTRALIA.
AUST XII 01 07 01 50.9–.32 30S–2.0 118E–2.0 2–2 3.5b,2.0L
¶621591130
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XI 29 20 02 44.0–.82 30.39S–.03 117.77E–.03 12–5 46 0-88
AUST XI 29 20 02 43.9–.24 30S–2.0 118E–2.0 8–1 3.9b,2.5L **¶621499046**
CUPWA XI 29 20 02 45.5–2.4 30.40S 117.76E 2–91 2.5L,2.5L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=100.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
CUPWA Region: WESTERN AUSTRALIA.
AUST XI 30 07 43 02.9–.51 26S–3.0 116E–4.0 10 3.9b,2.9L
¶621564908
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 09 18 43 36.3–.55 21.35S–.05 120.08E–.04 10 3.8b 120 0-81
AUST XII 09 18 43 36.9–.23 21S–2.0 120E–3.0 10 4.2b,3.8L **¶621625228**
NEIC XII 09 18 43 37.2–1.0 21.48S–.02 120.09E–.05 10–2 4.3b,3.8L
IDC XII 09 18 43 51.9–2.5 19.20S 120.95E 0 4.1L,3.8
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=122.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=3.8km az=273.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=88.7km s-min=19.1km az=24.0.
AUST XII 19 00 46 32.9–.36 29S–3.0 120E–3.0 10 3.7b,2.7L
¶621633809
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XII 29 02 57 50.9–.48 22.76S–.05 125.43E–.05 10 4.3b 122 3-147
AUST XII 29 02 57 51.7–.19 23S–2.0 125E–2.0 10 4.2b,3.7L **¶621656484**
IDC XII 29 02 57 51.0–.78 22.88S 125.37E 0 4.0L,4.0b
NEIC XII 29 02 57 52.2–1.4 22.79S–.05 125.42E–.09 10–1 4.2b,4.0b
ISC Event type ke.

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AUST XII 22 07 53 44.0–.28 28S–4.0 124E–2.0 10 3.9b,3.1L
¶621644256
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

(591) Northern Territory.

AUST VII 11 07 49 28.4–.35 20S–3.0 134E–4.0 1–3 2.8L
¶620787430
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST VII 11 09 06 59.9–.34 21S–3.0 133E–3.0 10 3.5b,2.5L
¶620804932
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST VII 18 09 32 23.2–.37 20S–3.0 134E–2.0 10 3.6b,2.7L
¶620834042
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST VII 28 17 34 05.8–.20 25S–2.0 130E–2.0 10 3.8b,3.2L
¶620857616
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC VII 23 12 19 46.7–.72 25.55S–.05 129.95E–.04 10 43 2-13
AUST VII 23 12 19 48.0–1.7 26S–3.0 130E–2.0 7–13 3.5b,2.9L **¶620845339**
IDC VII 23 12 19 49.0–1.9 25.58S 130.02E 0 3.1,3.0L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=5.5km s-min=4.6km az=176.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=17.7km s-min=12.2km az=35.0.
AUST IX 04 04 37 27.2–.41 22S–4.0 131E–3.0 10 3.6b,2.9L
¶621035613
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST VIII 05 11 58 53.2–.46 20S–3.0 134E–6.0 7–4 3.5b,2.7L
¶620970695
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST IX 02 15 55 11.6–.23 19S–2.0 134E–3.0 10 3.6b,2.8L
¶621023703
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST IX 05 14 47 50.1–.26 20S–2.0 134E–3.0 10 3.6b,2.8L
¶621035621
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 10 15 36 17.0–.53 19.75S–.04 133.73E–.04 10 3.9b 64 1-151
AUST XI 10 15 36 17.0–.43 20S–2.0 134E–3.0 6–3 4.0b,3.1L **¶621391511**
IDC XI 10 15 36 17.6–.92 19.71S 133.77E 0 3.9b,3.9
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=7.6km s-min=4.2km az=70.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=11.3km s-min=10.3km az=88.0.
AUST X 04 18 59 01.4–.38 20S–3.0 134E–3.0 5–2 3.5b,2.8L
¶621118418
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC XI 09 12 24 36.4–.49 19.86S–.05 133.89E–.04 12 4.1b 94 0-91
AUST XI 09 12 24 35.0–.33 20S–2.0 134E–3.0 3–3 4.1b,3.3L **¶621385490**
NEIC XI 09 12 24 36.7–.70 19.80S–.07 133.93E–.03 10–1 4.1b,3.3L
IDC XI 09 12 24 36.2–.75 19.82S 133.93E 0 4.0b,4.0
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=65.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=3.9km az=16.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=9.0km az=27.0.
ISC IX 09 18 42 49.4–.78 19.84S–.06 133.93E–.05 12 34 0-81
AUST IX 09 18 42 49.7–.33 20S–3.0 134E–3.0 10 3.6b,3.0L **¶621049469**
IDC IX 09 18 42 49.6–1.1 19.88S 133.94E 0 3.7L,3.7b
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=174.4. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=11.2km s-min=3.7km az=99.0.
AUST XII 25 12 21 33.8–.32 26S–4.0 130E–2.0 10 3.5b,2.9L
¶621653371
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC XI 18 07 37 07.0–304 15.65S 130.26E 0
¶621532469
IDC Error ellipse: s-maj=180.2km s-min=99.2km az=124.0.
ISC XI 20 02 12 57.6–.49 19.87S–.04 133.93E–.04 12 4.5b 122 0-121
NEIC XI 20 02 12 57.9–2.1 19.91S–.08 133.92E–.04 10–2 4.3b **¶621423330**
AUST XI 20 02 12 58.1–.18 20S–2.0 134E–2.0 10 4.3b,3.6L
IDC XI 20 02 12 58.2–.80 19.95S 133.87E 0 4.4b,4.3
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=5.6km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AUST Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=32.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=19.2km s-min=8.8km az=14.0.

(592) South Australia.

ISC VII 19 15 54 54.2–.75 26.41S–.05 130.06E–.05 10 37 2-12
AUST VII 19 15 54 55.4–.26 26S–2.0 130E–2.0 10 3.8b,3.2L **¶620833952**
IDC VII 19 15 54 56.0–2.0 26.41S 130.21E 0 3.6,3.4L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=155.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=19.6km s-min=14.2km az=44.0.
IDC VII 29 22 09 46.9–1.4 28.82S 139.00E 0 2.7,2.4L
¶620984144
IDC Error ellipse: s-maj=71.4km s-min=10.2km az=52.0.
ISC VIII 31 12 52 27.9–.84 28.53S–.05 136.36E–.06 10 19 1-9
IDC VIII 31 12 52 27.8–2.1 28.70S 136.30E 0 2.7L,2.6 **¶621012677**
AUST VIII 31 12 52 29.9–.34 29S–4.0 136E–4.0 10 3.3b,2.5L
ISC Event type ke.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
IDC VIII 09 13 20 27.2–2.1 27.92S 136.06E 0 2.6,2.4L
¶621007264
IDC Error ellipse: s-maj=47.5km s-min=12.0km az=56.0.
ISC XII 07 13 01 15.9–.87 30.17S–.04 138.13E–.05 10 23 0-17
IDC XII 07 13 01 15.6–2.6 30.26S 138.15E 0 3.1,2.8L **¶621618799**
AUST XII 07 13 01 15.8–.31 30S–2.0 138E–3.0 2–2 3.5b,2.3L
ISC Event type ke.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST IX 17 11 31 34.0–.36 32S–2.0 139E–3.0 3–3 3.6b,2.6L
¶621083203
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XI 27 22 20 46.1–.80 31.47S–.03 138.64E–.05 14 31 0-12
AUST XI 27 22 20 47.0–.39 31S–2.0 139E–2.0 8–2 3.5b,2.5L **¶621480547**
IDC XI 27 22 20 49.1–3.1 31.19S 138.93E 0 2.8L,2.7
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=58.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=59.7km s-min=11.4km az=38.0.
ISC IX 04 05 15 48.6–.89 27.84S–.06 140.60E–.05 10 30 0-11
IDC IX 04 05 15 48.3–2.5 27.76S 140.66E 0 2.8,2.6L **¶621030588**
AUST IX 04 05 15 50.4–.42 28S–3.0 141E–3.0 10 3.3b,2.9L
ISC Event type ke.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST IX 10 03 07 35.3–.40 31S–2.0 139E–3.0 7–2 3.6b,2.6L
¶621070901
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC X 18 18 44 38.3–.75 28.32S–.04 136.03E–.05 10 28 1-14
AUST X 18 18 44 39.8–.25 28S–2.0 136E–2.0 10 3.6b,2.8L **¶621211170**
IDC X 18 18 44 41.0–1.7 28.25S 136.22E 0 2.9,2.7L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=51.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
IDC Error ellipse: s-maj=42.4km s-min=10.2km az=51.0.

(594) Queensland.

IDC VII 11 06 09 53.4–3.0 23.10S 148.15E 0 3.3,3.1L
¶620928409
IDC Error ellipse: s-maj=33.2km s-min=16.6km az=89.0.
AUST VII 13 01 36 18.4–1.2 20S–5.0 148E–8.0 6–5 3.3L
¶620804951
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC VIII 19 05 00 56.1–2.4 23.53S 147.22E 0 3.1L,3.1
¶621039158
IDC Error ellipse: s-maj=26.3km s-min=12.9km az=103.0.
ISC VIII 12 15 44 04.8–.66 22.50S–.05 140.43E–.04 10 58 2-15
AUST VIII 12 15 44 03.6–.25 23S–2.0 140E–2.0 0 3.7b,3.2L **¶620984174**
IDC VIII 12 15 44 04.2–1.0 22.37S 140.46E 0 3.5,3.4L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=144.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=14.3km s-min=8.4km az=176.0.
IDC VIII 15 05 01 28.0–3.0 23.12S 148.49E 0 3.5,3.4L
¶621023549
IDC Error ellipse: s-maj=33.0km s-min=14.0km az=90.0.
ISC IX 05 12 07 29.7–.79 28.21S–.04 142.87E–.04 10 55 2-13
AUST IX 05 12 07 30.8–.21 28S–2.0 143E–2.0 10 3.7b,3.2L **¶621035619**
IDC IX 05 12 07 34.3–3.4 28.28S 142.31E 0 2.9,2.6L
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=177.5. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=50.7km s-min=11.3km az=72.0.
IDC XI 28 02 46 42.9–6.1 22.75S 148.39E 0 2.9,2.8L
¶621625158
IDC Error ellipse: s-maj=87.0km s-min=52.9km az=1.0.
IDC XI 02 01 27 56.8–3.1 23.12S 148.42E 0 3.5,3.3L
¶621401316
IDC Error ellipse: s-maj=34.9km s-min=14.9km az=89.0.
ISC XI 20 03 55 41.7–1.9 21.0S–.10 147.9E–.10 10 7 2-61
IDC XI 20 03 55 39.5–2.1 20.91S 148.20E 0 3.8b,3.5 **¶621590336**
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=19.4km az=65.0.
AUST XII 03 04 16 40.2–.74 20S–7.0 149E–4.0 10 3.7b,3.3L
¶621611346
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC XII 10 04 55 06.2–4.1 23.18S 148.27E 0 3.0,2.7L
¶621644105
IDC Error ellipse: s-maj=38.5km s-min=22.8km az=102.0.

(596) Northwest of New Caledonia.

IDC X 08 04 06 40.7–4.1 16.89S 159.29E 0 3.7b,3.7
¶621224629
IDC Error ellipse: s-maj=85.5km s-min=40.2km az=18.0.

(599) Off south coast of Australia.

AUST XII 06 19 43 18.5–.88 35S–7.0 124E–6.0 10 4.1b,3.2L
¶621615794
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST IX 10 18 26 06.3–.93 37S–7.0 120E–7.0 10 3.7b,3.3L
¶621059039
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

(600) Near coast of South Australia.

ISC VII 03 13 23 14.8–1.2 32.42S–.04 138.44E–.04 15–10 39 1-13
AUST VII 03 13 23 15.1–.27 32S–2.0 139E–3.0 10 3.3b,2.7L **¶620733418**
IDC VII 03 13 23 17.6–4.0 32.16S 138.69E 0 2.9L,2.8
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=6.6km s-min=3.7km az=76.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=52.9km s-min=12.9km az=27.0.
ISC VII 07 09 03 49.9–1.3 35.66S–.04 137.37E–.03 9–11 52 0-16
AUST VII 07 09 03 50.6–.27 36S–2.0 137E–2.0 10 3.8b,3.0L **¶620758225**
IDC VII 07 09 03 53.6–4.5 35.31S 137.25E 0 3.0L,3.0
ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=5.5km s-min=4.7km az=145.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=42.3km s-min=21.1km az=0.0.
AUST VII 15 04 14 30.4–.31 33S–2.0 138E–2.0 6–2 4.4b,2.3L
¶620831310
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST VIII 31 18 11 39.7–.72 35S–2.0 138E–3.0 6–7 3.4b,2.1L
¶621012253
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC VIII 17 19 31 38.8–1.2 32.79S–.03 138.27E–.04 17–9 40 0-19
IDC VIII 17 19 31 36.5–3.8 33.00S 138.00E 0 3.2,3.1L **¶620993344**
AUST VIII 17 19 31 39.3–.30 33S–2.0 138E–2.0 8–2 3.5b,2.8L
ISC Event type ke.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
ISC X 08 16 47 27.1–1.5 35.38S–.03 140.99E–.03 10–9 4.8b,3.7s 567 1-152
BJI X 08 16 47 23.9 35.62S 141.21E 10 5.2b,4.9b **¶621140969**
IDC X 08 16 47 26.0–.53 35.47S 140.83E 0 4.9L,4.7
NEIC X 08 16 47 26.8–1.3 35.41S–.05 141.07E–.03 10–1 4.8b,4.7
AUST X 08 16 47 26.2–.11 35S–1.0 141E–1.0 0 5.0b,4.8L
NOU X 08 16 47 26.3 35.42S 140.99E 5 5.2b,4.8L
GFZ X 08 16 47 27.5–.22 35S–3.0 141E–3.0 10 5.7b,5.5L
GCMT X 08 16 47 29.6–.40 35.33S–.05 141.01E–.03 19–1 4.8W,5.5L

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
NOU Near Coast of South Australia.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110081647A. Moment Tensor Solution. s22,c25; s65,c79; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.79±.15 $M_{\theta\theta}$-0.27±.09; $M_{\phi\phi}$-1.52±.10; $M_{r\theta}$-0.41±.26; $M_{\theta\phi}$-0.17±.05; $M_{\phi r}$0.26±.20; Best double couple: NP1:ϕ_s199.00000°,δ43.00000°,λ107.00000°. NP2:ϕ_s356.00000°,δ50.00000°,λ75.00000°. Principal axes: T 1.8930,Plg78.0000°,Azm203.0000°; N -0.3360,Plg12.0000°,Azm6.0000°; P -1.5560,Plg4.0000°,Azm97.0000° $M_0$1.72500×10^{16}

ISC	**IX**	**14 12 37 50.7–1.2**	**32.51S–.03**	**138.19E–.05**	**14–10**			**41**	**1-18**
AUST	IX	14 12 37 51.1–.20	33S–1.0	138E–2.0	3–1	3.5b,2.9L		**¶621073305**	
IDC	IX	14 12 37 51.8–3.4	32.49S	138.23E	0	3.2L,3.2			

ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=83.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=39.6km s-min=12.0km az=29.0.

ISC	**XI**	**15 09 33 46.4–1.1**	**32.96S–.03**	**138.19E–.03**	**17–9**			**50**	**0-19**
IDC	XI	15 09 33 42.1–3.3	33.19S	137.86E	0	3.4L,3.2		**¶621405036**	
AUST	XI	15 09 33 47.5–.20	33S–2.0	138E–2.0	10	3.6b,3.1L			

ISC Event type ke.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**X**	**29 10 25 42.7–.82**	**33.55S–.03**	**135.67E–.05**	**10**			**44**	**1-18**
AUST	X	29 10 25 44.0–.31	34S–2.0	136E–3.0	10	3.5b,2.8L		**¶621243483**	
IDC	X	29 10 25 45.0–3.5	33.42S	135.69E	0	3.2,3.1L			

ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=92.1. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=35.1km s-min=14.4km az=27.0.

ISC	**X**	**30 09 13 13.1–.89**	**33.49S–.04**	**135.68E–.06**	**10**			**27**	**1-14**
AUST	X	30 09 13 15.8–.38	34S–2.0	136E–4.0	10	3.1L		**¶621244406**	
IDC	X	30 09 13 17.9–5.5	33.24S	135.85E	0	3.0L,3.0			

ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=7.7km s-min=3.9km az=99.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=68.8km s-min=18.0km az=16.0.

AUST	**X**	**26 10 19 32.7–.28**	**33S–2.0**	**139E–3.0**	**1–3**	**3.8b,2.0L**			
								¶621239849	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**XII**	**30 18 16 31.4–.37**	**33S–2.0**	**138E–2.0**	**8–2**	**4.0b,2.0L**			
								¶621661315	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

(601) New South Wales.

AUST	**VIII**	**04 17 58 48.0–.92**	**34S–11**	**150E–13**	**2–7**	**2.1L**			
								¶620968083	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**XII**	**17 07 56 34.3–.97**	**32.37S–.03**	**150.91E–.04**	**10–7**			**53**	**0-19**
AUST	XII	17 07 56 34.5–.21	32S–1.0	151E–2.0	2–1	4.2b,3.0L		**¶621631545**	
IDC	XII	17 07 56 37.5–6.0	32.15S	150.64E	0	3.4L,3.1			

ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=4.9km s-min=2.6km az=70.6. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=103.6km s-min=34.4km az=164.0.

ISC	**X**	**20 22 10 39.7–1.2**	**30.10S–.08**	**144.38E–.06**	**10**			**30**	**2-14**
AUST	X	20 22 10 41.5–.42	30S–4.0	144E–3.0	10	3.5b,3.0L		**¶621229629**	
IDC	X	20 22 10 43.2–3.9	29.91S	144.00E	0	3.2L,3.2			

ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=9.8km s-min=5.7km az=29.3. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=41.5km s-min=14.5km az=96.0.

ISC	**XII**	**27 16 34 07.6–.96**	**32.34S–.02**	**150.94E–.04**	**12–7**			**75**	**0-19**
AUST	XII	27 16 34 07.9–.20	32S–1.0	151E–2.0	4–1	3.8b,3.4L		**¶621654225**	
IDC	XII	27 16 34 09.2–8.5	32.22S	150.65E	0	3.4,3.3L			

ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=5.0km s-min=2.4km az=67.9. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=127.5km s-min=48.9km az=154.0.

(602) Victoria.

ISC	**X**	**08 17 02 24.0–3.4**	**35.44S–.04**	**141.11E–.04**	**7–24**			**58**	**1-17**
AUST	X	08 17 02 25.2–.82	35S–2.0	141E–2.0	9–6	3.5b,3.0L		**¶621140970**	
IDC	X	08 17 02 26.9–4.5	35.32S	140.95E	0	3.1L,3.1			

ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=49.7. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=46.3km s-min=29.7km az=125.0.

AUST	**X**	**08 18 01 49.7–.24**	**35S–3.0**	**141E–3.0**	**10**	**3.6b,2.8L**			
								¶621140973	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**X**	**08 17 20 40.7–.82**	**36S–4.0**	**141E–3.0**	**4–10**	**3.4b,2.8L**			
								¶621140971	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**X**	**08 17 32 34.8–.27**	**35S–2.0**	**141E–2.0**	**10**	**3.5b,2.4L**			
								¶621144590	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**09 10 58 38.7–.85**	**35.46S–.04**	**141.06E–.03**	**10**			**41**	**1-17**
IDC	X	09 10 58 39.0–5.3	35.48S	140.88E	0	3.1,3.0L		**¶621143782**	
AUST	X	09 10 58 42.8–.16	35S–2.0	141E–1.0	48–21	3.5b,2.9L			

ISC Event type se.
AUST manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**X**	**19 19 55 52.6–.20**	**35S–2.0**	**141E–2.0**	**10**	**3.9b,2.5L**			
								¶621221463	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**X**	**19 09 12 05.6–.81**	**35.45S–.04**	**141.09E–.04**	**10**			**55**	**1-17**
AUST	X	19 09 12 06.3–.86	35S–2.0	141E–2.0	5–6	3.7b,3.1L		**¶621213175**	
IDC	X	19 09 12 08.2–5.2	35.31S	140.84E	0	3.2L,3.2			

ISC Event type ke.
AUST Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=52.0. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
IDC Error ellipse: s-maj=66.1km s-min=29.7km az=124.0.

(603) Near southeast coast of Australia.

AUST	**VII**	**01 07 55 47.9–.22**	**39S–2.0**	**147E–2.0**	**10**	**4.1b,3.3L**			
								¶620669137	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**VII**	**03 05 28 18.9–.53**	**38S–7.0**	**145E–4.0**	**5–6**	**4.3b,2.4L**			
								¶620733166	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

AUST	**IX**	**10 06 00 09.2–.65**	**39S–2.0**	**144E–2.0**	**13–4**	**3.9b,2.9L**			
								¶621051063	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**VII**	**28 10 22 40.2–.66**	**38S–6.0**	**147E–3.0**	**10**	**3.0L**			
								¶620857218	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**IX**	**22 22 04 31.2–.67**	**37S–6.0**	**146E–3.0**	**7–7**	**4.1b,2.8L**			
								¶621106358	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**IX**	**22 08 00 14.1–.33**	**38S–3.0**	**146E–2.0**	**2–3**	**3.4b,2.8L**			
								¶621094785	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**IX**	**22 03 18 26.9–1.2**	**38S–4.0**	**146E–7.0**	**10–12**	**2.9L**			
								¶621094776	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

ISC	**IX**	**21 23 15 53.9–.24**	**37.54S–.03**	**146.33E–.02**	**9–1**	**5.8b,5.7s**		**1649**	**1-166**
BJI	IX	21 23 15 50.7	37.80S	146.63E	13	5.8s,5.8b		**¶621094758**	
MOS	IX	21 23 15 52.1–1.4	37.45S	146.26E	8	5.8b,5.6s			
IDC	IX	21 23 15 52.1–.39	37.53S	145.89E	0	5.9L,5.4s			
NOU	IX	21 23 15 52.1	37.46S	146.33E	1	5.6,5.4s			
PTWC	IX	21 23 15 52	37.50S	146.30E	10	6.1,5.4s			
NEIC	IX	21 23 15 53.6–1.7	37.49S–.06	146.35E–.04	12–1	5.9,5.8b			
NEIC	IX	21 23 15 53.4	37.49S	146.36E	10	5.9,5.8b			
NEIC	IX	21 23 15 53.3	37.49S	146.36E	10	5.9,5.8b			
IPGP	IX	21 23 15 53.0	37.49S	146.36E	17	5.9W,5.8b			
AUST	IX	21 23 15 54.2–.10	37S–2.0	146E–1.0	10	6.0L,5.9b			
GFZ	IX	21 23 15 54.9	37.51S	146.40E	19	5.9W,5.9b			
GFZ	IX	21 23 15 54.4–.13	38S–2.0	146E–2.0	16–0	6.9L,6.1b			
BGR	IX	21 23 15 56.0	37.64S	146.76E	33	5.7s,6.1b			
GCMT	IX	21 23 15 56.4–.10	37.47S	146.27E	18–0	5.9W,6.1b			
NEIC	IX	21 23 15 57.8	37.69S	146.36E	22	5.9,6.1b			

ISC Event type ke.
MOS Error ellipse: s-maj=9.8km s-min=6.2km az=100.8.
IDC Error ellipse: s-maj=23.7km s-min=11.0km az=69.0.
NOU Near SE Coast of Australia.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.6km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$2.40 $M_{\phi\phi}$-3.12 $M_{r\theta}$-0.35 $M_{\theta\phi}$-7.08 $M_{\phi r}$-0.45 NP1:ϕ_s349.28000°,δ87.16000°,λ-2.45000°. NP2:ϕ_s79.40000°,δ87.55000°,λ-177.16000°. Principal axes: T 7.2381,Plg0.0000°,Azm214.0000°; N 0.7559,Plg86.0000°,Azm120.0000°; P -7.9940,Plg4.0000°,Azm304.0000° $M_0$7.64000×10^{17}
NEIC Event type se.
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s175.00000°,δ86.00000°,λ-13.00000°. NP2:ϕ_s266.00000°,δ77.00000°,λ-175.00000°.
AUST Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=9.8. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98 $M_{\theta\theta}$2.14 $M_{\phi\phi}$-1.16 $M_{r\theta}$1.63 $M_{\theta\phi}$-8.06 $M_{\phi r}$1.60 NP1: ϕ_s172.95246°,δ76.97758°,λ-11.08257°. NP2:ϕ_s265.47970°,δ79.20592°,λ-166.73878°. Principal axes: T 8.7210,Plg1.5419°,Azm38.9912°; N -0.2906,Plg72.9624°,Azm303.9521°; P -8.4304,Plg16.9634°,Azm129.4617° $M_0$8.57939×10^{17}
GFZ Error ellipse: s-maj=5.0km s-min=4.0km az=55.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202109212315A. Moment Tensor Solution. s151,c347; s163,c563;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.05±.01 $M_{\theta\theta}$0.21±.01; $M_{\phi\phi}$-0.26±.01; $M_{r\theta}$-0.24±.01; $M_{\theta\phi}$-0.92±.01; $M_{\phi r}$0.06±.01; Best double couple: NP1:ϕ_s353.00000°,δ76.00000°,λ6.00000°. NP2:ϕ_s262.00000°,δ84.00000°,λ166.00000°. Principal axes: T 0.9750,Plg14.0000°,Azm217.0000°; N 0.0040,Plg75.0000°,Azm60.0000°; P -0.9800,Plg6.0000°,Azm308.0000° $M_0$0.97700×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29 $M_{\theta\theta}$2.91 $M_{\phi\phi}$-2.62 $M_{r\theta}$-1.50 $M_{\theta\phi}$-7.82 $M_{\phi r}$2.05 NP1:ϕ_s259.38000°,δ75.43000°,λ173.92000°. NP2:ϕ_s350.91000°,δ84.11000°,λ14.65000°. Principal axes: T 9.0613,Plg14.0000°,Azm216.0000°; N -0.8316,Plg74.0000°,Azm12.0000°; P -8.2297,Plg6.0000°,Azm124.0000° $M_0$8.68000×10^{17}

AUST	**IX**	**21 23 24 42.3–.52**	**37S–3.0**	**146E–2.0**	**6–4**	**5.4b,3.2L**			
								¶621094764	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

ISC	**IX**	**21 23 33 38.6–1.4**	**37.47S–.06**	**146.30E–.04**	**13–10**			**90**	**1-41**
NEIC	IX	21 23 33 38.9–1.7	37.44S–.05	146.25E–.05	10–1	4.1b		**¶621094759**	
AUST	IX	21 23 33 38.7–.52	37S–3.0	146E–2.0	10–4	4.5b,4.0L			

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**IX**	**21 23 54 18.4–.37**	**38S–4.0**	**146E–2.0**	**4–3**	**3.9b,3.1L**			
								¶621094761	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**IX**	**23 02 09 14.5–.47**	**38S–5.0**	**146E–2.0**	**10**	**3.5b,2.8L**			
								¶621106379	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**IX**	**23 02 58 44.4–.52**	**37S–4.0**	**146E–2.0**	**5–3**	**3.8b,3.0L**			
								¶621106381	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**IX**	**24 21 04 17.5–.64**	**38S–4.0**	**146E–3.0**	**6–5**	**3.6b,2.9L**			
								¶621109790	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**IX**	**23 04 30 50.7–.42**	**37S–7.0**	**146E–3.0**	**10**	**3.6b,2.8L**			
								¶621106386	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**X**	**04 12 11 35.0–.36**	**38S–5.0**	**146E–2.0**	**10**	**3.5b,2.9L**			
								¶621118318	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**IX**	**24 16 31 54.9–.26**	**38S–3.0**	**146E–2.0**	**10**	**3.5b,2.9L**			
								¶621109746	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**IX**	**29 08 21 59.1–.74**	**37S–5.0**	**146E–5.0**	**8–7**	**4.0b,2.3L**			
								¶621113110	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

AUST	**X**	**03 21 20 06.4–.64**	**38S–4.0**	**146E–3.0**	**10–5**	**4.0b,2.7L**			
								¶621125944	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

AUST	**X**	**04 20 17 46.1–.48**	**38S–2.0**	**146E–2.0**	**8–3**	**4.0b,3.0L**			
								¶621120390	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.

AUST	**X**	**05 17 12 06.6–.48**	**37S–3.0**	**146E–2.0**	**7–3**	**4.0b,2.9L**			
								¶621125916	

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST X 04 22 13 01.7–.48 38S–2.0 146E–2.0 10–3 3.6b,3.0L ¶621120402

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST X 15 21 10 04.3–.24 38S–3.0 146E–2.0 0 2.8L ¶621204457

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST XI 03 08 22 48.2–.33 38S–3.0 146E–2.0 10 3.5b,2.5L ¶621255815

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST XI 02 18 13 20.7–.70 37S–2.0 146E–2.0 8–5 2.8L ¶621254081

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST XI 10 01 10 53.2–.27 38S–3.0 146E–2.0 10 3.6b,2.5L ¶621392733

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
ISC XI 05 08 04 58.8–1.3 38.35S–.04 144.91E–.03 12–10 45 1-7
NEIC XI 05 08 04 58.7–1.1 38.40S–.05 144.92E–.07 10–2 2.9L **¶621361574**
AUST XI 05 08 05 00.2–1.0 38S–5.0 145E–3.0 6–6 2.3L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST XI 19 20 06 00.1–.27 38S–3.0 146E–2.0 10 3.8b,2.5L ¶621428000

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.
AUST XII 28 04 24 02.2–.48 38S–3.0 146E–2.0 3–3 2.7L ¶621654288

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. confirmed.
AUST XII 29 18 56 32.4–.28 38S–4.0 146E–2.0 10 4.6b,2.5L ¶621659412

AUST Event type ke. manual. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91.

SEISMIC REGION 39.
Pacific Basin.

(611) North Pacific Ocean.

ISC VII 17 05 21 29.8–.71 0.9N–.10 123.1W–.20 10 4.3b,3.4s 19 26-134
IDC VII 17 05 21 28.0–.73 0.85N 123.14W 0 4.2b,4.1 **¶620928753**
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=17.6km az=73.0.
ISC XI 10 16 31 51.1–.58 25.5N–.10 145.2E–.10 10 4.5b 63 3-148
IDC XI 10 16 31 49.3–.65 25.53N 145.39E 0 3.9b,3.9 **¶621440068**
NEIC XI 10 16 31 52.3–1.9 25.57N–.04 145.1E–.10 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 26 02 35 31.0–688 25.78N 158.85E 0 ¶621366454

IDC Error ellipse: s-maj=319.3km s-min=179.4km az=107.0.

(612) Hawaiian Islands region.

IDC VIII 26 01 05 26.0–248 19.81N 157.47W 0 ¶621058968

IDC Error ellipse: s-maj=95.5km s-min=38.6km az=98.0.
IDC XI 29 23 11 58.2–782 21.15N 161.01W 0 ¶621626999

IDC Error ellipse: s-maj=362.8km s-min=116.1km az=101.0.

(613) Hawaiian Islands.

ISC VII 05 23 43 34.5–.74 20.19N–.03 155.65W–.03 30–5 4.8b,3.8s 234 0-99
IDC VII 05 23 43 31.2–.51 20.30N 155.74W 0 4.3b,4.3 **¶620734435**
GFZ VII 05 23 43 32.6–.20 20N–3.0 156W–3.0 10 4.7b,4.7
NEIC VII 05 23 43 33.6 20.22N 155.63W 24 4.7b,4.7
NEIC VII 05 23 43 34.3–2.3 20.22N–.03 155.64W–.04 27–3 5.3L,5.2L
HVO VII 05 23 43 35.3–2.5 20.22N–.03 155.63W–.04 27–4 5.3L,5.2L
GCMT VII 05 23 43 36.1–.50 20.18N–.03 155.51W–.03 31–1 4.9W,5.2L
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.17 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$0.53 $M_{r\theta}$-0.51 $M_{\theta\phi}$0.34 $M_{\phi r}$0.51 NP1:ϕ_s58.68000°,δ42.62000°,λ7.78000°. NP2:ϕ_s322.94000°,δ84.74000° ,λ132.35000°. Principal axes: T 0.8939,Plg36.0000°,Azm269.0000°; N 0.2214,Plg42.0000° ,Azm138.0000°; P -1.1152,Plg27.0000°,Azm21.0000° $M_0$1.02000×10^{16}
HVO Event type se. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107052343A. Moment Tensor Solution. s20,c21; s70,c89; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.06±.25 $M_{\theta\theta}$-0.38±.15; $M_{\phi\phi}$2.44±.15; $M_{r\theta}$-1.58±.18; $M_{\theta\phi}$0.95±.11; $M_{\phi r}$1.17±.16; Best double couple: NP1:ϕ_s45.00000°,δ46.00000° ,λ-41.00000°. NP2:ϕ_s166.00000°,δ62.00000°,λ-128.00000°. Principal axes: T 2.8390,Plg10.0000°,Azm282.0000°; N 0.5550,Plg33.0000°,Azm186.0000° ; P -3.3900,Plg55.0000°,Azm26.0000° $M_0$3.11400×10^{16}
NEIC VII 07 17 40 55.1–.74 19.89N–.02 156.71W–.02 5–1 4.2L,4.2L
HVO VII 07 17 40 59.9–1.7 19.87N–.02 156.66W–.03 1–5 4.2L,4.2L **¶622449029**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
ISC X 10 21 48 36.8–.21 18.84N–.03 155.52W–.02 34–0 5.9b,5.6s 1098 0-176
IDC X 10 21 48 31.9–.35 18.88N 155.54W 0 5.4s,5.2b **¶621144600**
BJI X 10 21 48 34.0 19.22N 155.65W 20 5.9b,5.7s
MOS X 10 21 48 34.2–1.0 18.94N 155.61W 23 6.0b,5.4s
GFZ X 10 21 48 35.5 18.92N 155.63W 26 5.9W,5.4s
GFZ X 10 21 48 35.8–.30 19N–2.0 156W–2.0 26–2 6.3,6.2b
IPGP X 10 21 48 36.0 18.82N 155.53W 29 5.9W,6.2b
HVO X 10 21 48 36.6–.71 18.82N–.02 155.53W–.04 35–10 5.9W,6.2b
ISC-P X 10 21 48 37 18.98N 155.53W 24–0 6.3,6.2b
NEIC X 10 21 48 37.2–1.6 18.98N–.04 155.53W–.04 30–1 6.2L,6.0L
NEIC X 10 21 48 37.9 18.99N 155.53W 39 6.2L,6.0L
NEIC X 10 21 48 37.2 18.98N 155.54W 30 6.2L,6.0L
GCMT X 10 21 48 41.0–.10 18.86N 155.57W 38–0 5.9W,6.0L
NEIC X 10 21 48 46.7 18.89N 155.95W 50 5.7,6.0L
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=10.2km az=112.0.
MOS Error ellipse: s-maj=6.4km s-min=4.6km az=101.7.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$0.05 $M_{r\theta}$0.95 $M_{\theta\phi}$-0.35 $M_{\phi r}$-0.15 NP1: ϕ_s96.72344°,δ87.95677°,λ110.71029°. NP2:ϕ_s192.11067°,δ20.80643°,λ5.76062°. Principal axes: T 1.0539,Plg43.3304°,Azm26.8303°; N -0.0446,Plg20.6965°,Azm275.9512° ; P -1.0093,Plg39.4781°,Azm167.8202° $M_0$1.03236×10^{18}
GFZ Error ellipse: s-maj=4.5km s-min=3.9km az=126.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IPGP Moment Tensor Solution. NP1:ϕ_s191.00000°,δ30.00000°,λ12.00000°. NP2:ϕ_s91.00000° ,δ84.00000°,λ120.00000°.
HVO Event type se. Error ellipse: s-maj=6.4km s-min=2.2km az=108.0. hypocenter. manual.
ISC-P Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}0.12±.02 $M_{\theta\theta}$0.91±.14; $M_{\phi\phi}$-0.09±.13; $M_{r\theta}$0.23±.15; $M_{\theta\phi}$-0.15±.08; $M_{\phi r}$0.03±.11; NP1:ϕ_s45.00000°,δ56.80000° ,λ191.80000°. NP2:ϕ_s308.40000°,δ80.10000°,λ-33.70000°. $M_0$3.39000×10^{18}

NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.04 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$-1.05 $M_{r\theta}$3.85 $M_{\theta\phi}$-4.16 $M_{\phi r}$0.22 NP1:ϕ_s185.19000°,δ43.62000°,λ19.21000°. NP2:ϕ_s81.03000°,δ76.88000° ,λ131.98000°. Principal axes: T 5.5542,Plg42.0000°,Azm31.0000°; N 0.7079,Plg41.0000° ,Azm249.0000°; P -6.2621,Plg21.0000°,Azm141.0000° $M_0$5.94000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110102148A. Moment Tensor Solution. s133,c275; s169,c393;Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.05 $M_{\theta\theta}$-1.27±.05; $M_{\phi\phi}$0.05±.04; $M_{r\theta}$7.14±.13; $M_{\theta\phi}$-4.06±.04; $M_{\phi r}$-0.68±.06; Best double couple: NP1: ϕ_s190.00000°,δ30.00000°,λ9.00000°. NP2:ϕ_s91.00000°,δ85.00000°,λ120.00000°. Principal axes: T 8.4550,Plg42.0000°,Azm30.0000°; N -0.2430,Plg29.0000°,Azm269.0000° ; P -8.2090,Plg34.0000°,Azm157.0000° $M_0$8.33200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 10s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.63 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-0.11 $M_{r\theta}$4.35 $M_{\theta\phi}$-2.78 $M_{\phi r}$0.28 NP1:ϕ_s183.62000°,δ31.91000° ,λ8.13000°. NP2:ϕ_s86.71000°,δ85.72000°,λ121.65000°. Principal axes: T 5.0223,Plg41.0000°,Azm26.0000°; N 0.3463,Plg32.0000°,Azm264.0000° ; P -5.3686,Plg33.0000°,Azm150.0000° $M_0$5.20000×10^{17}
ISC IX 25 21 18 07.7–1.4 20.54N–.05 158.60W–.05 10 93 1-4
NEIC IX 25 21 18 09.9–2.2 20.57N–.05 158.63W–.02 20–7 3.9L,3.9L **¶621110136**
PTWC IX 25 21 18 09 20.50N 158.70W 3.6L,3.9L
HVO IX 25 21 18 14.9–2.1 20.61N–.03 158.55W–.03 14–3 3.6L,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
ISC X 06 06 36 55.0–.63 19.27N–.03 155.42W–.02 18 4.0b,3.8s 99 0-100
NEIC X 06 06 36 55.2–.71 19.25N–.03 155.43W–.03 37–3 4.7b,4.6L **¶621126155**
IDC X 06 06 36 56.7–1.1 19.82N 155.37W 0 3.9b,3.9
HVO X 06 06 36 56.4–1.2 19.23N–.05 155.40W–.05 33–6 3.9b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
ISC VIII 18 12 01 58.6–.74 19.25N–.04 155.42W–.03 35 3.6b 98 0-95
IDC VIII 18 12 01 54.4–1.4 19.08N 155.36W 0 3.5b,3.5 **¶620996179**
NEIC VIII 18 12 01 57.4–.71 19.22N–.02 155.41W–.02 39–2 4.3L,4.1L
HVO VIII 18 12 01 58.9–.82 19.21N–.05 155.39W–.05 33–2 4.3L,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC X 10 21 53 07.7–.90 18.94N–.05 155.56W–.02 35–2 4.5b,4.3L
HVO X 10 21 53 08.4–1.1 18.87N–.07 155.54W–.03 36–4 4.5b,4.3L **¶621144601**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC XII 24 09 59 54.5–.71 19.23N–.01 155.45W–.02 37–3 3.6L,3.2L
HVO XII 24 09 59 55.9–.80 19.21N–.06 155.43W–.06 34–7 3.6L,3.2L **¶621652371**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC XI 16 19 15 54.7–.73 19.24N–.02 155.43W–.05 35–2 3.9L,3.7L
HVO XI 16 19 15 55.8–.91 19.20N–.05 155.42W–.05 34–7 3.9L,3.7L **¶621412418**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC XI 01 06 59 16.2–.52 19.25N–.04 155.42W–.05 35–2 3.6L,3.3L
HVO XI 01 06 59 17.1–.74 19.21N–.05 155.40W–.04 33–7 3.6L,3.3L **¶621244957**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
ISC XII 24 11 31 36.5–.70 19.00N–.04 155.29W–.03 18–2 5.1b,4.2s 393 0-115
IDC XII 24 11 31 33.4–.63 18.87N 155.33W 0 4.5b,4.4 **¶621652381**
MOS XII 24 11 31 34.1–1.5 19.08N 155.32W 16 5.3b,4.4
NEIC XII 24 11 31 34.4–1.2 18.91N–.03 155.20W–.03 10–4 5.3b,5.1L
HVO XII 24 11 31 34.4–1.5 18.87N–.03 155.23W–.03 12–4 5.3b,5.1L
BJI XII 24 11 31 35.8 19.20N 155.40W 10 5.5b,5.0s
GFZ XII 24 11 31 37.7–1.0 19N–8.0 155W–4.0 18–5 6.0b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 25 06 59 09.7–1.0 18.89N–.06 155.21W–.04 10 3.6b 78 0-52
IDC XII 25 06 59 07.5–1.3 18.46N 155.37W 0 3.6b,3.6 **¶621653208**
NEIC XII 25 06 59 10.8–.74 18.88N–.03 155.16W–.03 10–2 4.1L,3.9L
HVO XII 25 06 59 11.3–.27 19N–90 155W–30 11–10 4.1L,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.

(614) Eastern Caroline Islands region.

ISC XI 23 22 27 42.0–.84 10.6N–.10 148.2E–.10 10 4.4b 23 4-144
IDC XI 23 22 27 39.1–1.4 10.46N 148.76E 0 4.2L,3.9 **¶621611980**
NEIC XI 23 22 27 42.8–.81 10.6N–.10 148.31E–.08 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VIII 29 23 20 19.8–1.7 7.16N 149.13E 0 3.5b,3.5 ¶621073211

IDC Error ellipse: s-maj=70.9km s-min=25.7km az=101.0.
IDC X 14 13 51 47.0–1.6 0.73N 146.37E 0 3.2b,3.2 ¶621240641

IDC Error ellipse: s-maj=206.6km s-min=28.4km az=116.0.
ISC X 18 17 05 54.8–3.4 7.4N–.20 147.3E–.70 35 3.7b 7 22-76
IDC X 18 17 05 49.8–3.1 7.44N 147.24E 0 3.6b,3.6 **¶621244038**
ISC Event type se.
IDC Error ellipse: s-maj=104.6km s-min=25.5km az=88.0.
ISC X 22 07 27 53.8–.41 4.40N–.03 147.29E–.04 13–2 5.2b,4.6s 668 6-150
IDC X 22 07 27 51.8–.42 4.42N 147.30E 0 5.1L,4.9 **¶621236072**
BJI X 22 07 27 51.1 4.19N 147.42E 22 5.5b,5.1b
DJA X 22 07 27 52.0–.30 4N–4.0 147E–3.0 10 6.0b,5.9
MOS X 22 07 27 52.4–.90 4.40N 147.20E 13 5.4b,4.5s
GFZ X 22 07 27 53.5 4.34N 147.27E 16 5.4W,4.5s
NEIC X 22 07 27 53.9–1.3 4.46N–.07 147.28E–.09 10–1 5.4,5.4b
NEIC X 22 07 27 53.9 4.43N 147.29E 10 5.4,5.4b
NEIC X 22 07 27 54.1 4.42N 147.25E 10 5.4,5.4b
GFZ X 22 07 27 54.2–.20 4N–3.0 147E–3.0 10 5.8b,5.6
NEIC X 22 07 27 54.5 4.42N 147.25E 18 5.4,5.6
GCMT X 22 07 27 55.4–.10 4.46N–.01 147.06E 17–0 5.4W,5.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.85 $M_{\theta\theta}$0.43 $M_{\phi\phi}$-1.27 $M_{r\theta}$-0.59 $M_{\theta\phi}$0.62 $M_{\phi r}$-0.77 NP1: ϕ_s194.90998°,δ68.37674°,λ129.91900°. NP2:ϕ_s308.67994°,δ44.52214°,λ31.70473°. Principal axes: T 1.6032,Plg49.8824°,Azm149.6744°; N 0.0105,Plg36.6229°,Azm357.7742° ; P -1.6137,Plg14.0981°,Azm257.0155° $M_0$1.60846×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$0.25 $M_{\phi\phi}$-1.19 $M_{r\theta}$0.07 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.77 NP1:ϕ_s2.58000°,δ27.07000°,λ96.13000°. NP2:ϕ_s175.70000°,δ63.09000° ,λ86.88000°. Principal axes: T 1.1939,Plg72.0000°,Azm79.0000°; N 0.2444,Plg3.0000° ,Azm177.0000°; P -1.4382,Plg18.0000°,Azm268.0000° $M_0$1.33000×10^{17}
NEIC Event type se.
NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.53 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-1.44 $M_{r\theta}$-0.07 $M_{\theta\phi}$0.23 $M_{\phi r}$0.27 NP1:ϕ_s171.43000°,δ39.76000° ,λ91.34000°. NP2:ϕ_s349.69000°,δ50.25000°,λ88.89000°. Principal axes: T 1.5605,Plg85.0000°,Azm251.0000°; N -0.0593,Plg1.0000°,Azm350.0000° ; P -1.5012,Plg5.0000°,Azm80.0000° $M_0$1.53000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110220727A. Moment Tensor Solution. s106,c178; s157,c295;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98±.02 $M_{\theta\theta}$0.53±.02; $M_{\phi\phi}$-1.52±.02; $M_{r\theta}$-0.50±.04; $M_{\theta\phi}$0.58±.01; $M_{\phi r}$0.18±.04; Best double couple: NP1: ϕ_s196.00000°,δ49.00000°,λ138.00000°. NP2:ϕ_s317.00000°,δ60.00000°,λ50.00000°. Principal axes: T 1.3200,Plg55.0000°,Azm173.0000°; N 0.3840,Plg34.0000°,Azm340.0000° ; P -1.7070,Plg7.0000°,Azm74.0000° $M_0$1.51300×10^{17}

(632) South Pacific Ocean.

ISC	**VII**	**18 15 48 09.1–.29**	**25.11S–.07**	**129.60W–.06**	**10**	**5.0b,4.2s**	**277**	**0-164**
IDC	VII	18 15 48 07.7–.38	25.09S	129.57W	0	4.7b,4.7		**¶620833381**
NEIC	VII	18 15 48 09.9–.77	25.2S–.10	129.58W–.02	10–1	5.0b,4.7		
GFZ	VII	18 15 48 10.3–.25	25S–5.0	130W–4.0	10	4.9b,4.9		
GCMT	VII	18 15 48 12.1–.20	25.07S–.02	129.41W–.01	12	5.0W,4.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107181548A. Moment Tensor Solution. s57,c75; s121,c183; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.67±.09 $M_{\theta\theta}$0.14±.11; $M_{\phi\phi}$-3.81±.08; $M_{r\theta}$-1.09±.35; $M_{\theta\phi}$-0.96±.08; $M_{\phi r}$0.78±.26; Best double couple: NP1:ϕ_s210.00000°,δ44.00000° ,λ117.00000°. NP2:ϕ_s356.00000°,δ52.00000°,λ67.00000°. Principal axes: T 4.1110,Plg71.0000°,Azm204.0000°; N -0.0400,Plg18.0000°,Azm11.0000° ; P -4.0680,Plg4.0000°,Azm102.0000° $M_0$4.08900×10^{16}

SEISMIC REGION 40.
Arctic Zone.

(634) Arctic Ocean.

ISC	**XI**	**30 09 40 07.6–.99**	**79.6N–.10**	**113.9W–.10**	**10**	**3.3b**	**9**	**6-51**
IDC	XI	30 09 40 07.1–1.2	79.88N	114.40W	0	3.8L,3.6		**¶621627039**
ISC	Event type se.							
IDC	Error ellipse: s-maj=22.5km s-min=18.3km az=58.0.							
ISC	**XI**	**30 10 13 24.9–1.3**	**79.6N–.10**	**112.9W–.10**	**10**	**3.6b**	**7**	**6-37**
IDC	XI	30 10 13 23.6–1.7	79.85N	114.11W	0	3.6b,3.6		**¶621627042**
ISC	Event type se.							
IDC	Error ellipse: s-maj=25.7km s-min=23.0km az=62.0.							

(635) Near north coast of Kalaallit Nunaat.

ISC	**XI**	**23 12 04 18.6–.65**	**82.07N–.03**	**18.07W–.03**	**10–3**	**5.0b,4.6s**	**1087**	**1-175**
BJI	XI	23 12 04 16.0	82.10N	17.80W	10	5.5b,5.2s		**¶621449540**
IDC	XI	23 12 04 17.0–.34	82.13N	17.91W	0	5.1L,4.7b		
MOS	XI	23 12 04 16.8–1.1	82.00N	18.01W	8	5.2b,4.4s		
FCIAR	XI	23 12 04 17.0	82.53N	19.71W	10	5.2b,4.4s		
GFZ	XI	23 12 04 17.6–.42	82N–6.0	19W–3.0	10	5.7b,5.3		
NEIC	XI	23 12 04 19.2	82.13N	17.66W	10	5.7b,5.3		
NEIC	XI	23 12 04 19.2–.81	82.13N–.08	17.66W–.09	10–1	5.4b,5.4		
GFZ	XI	23 12 04 19.7	82.08N	18.10W	16	5.2W,5.4		
BER	XI	23 12 04 19.7–3.3	82.21N	17.09W	0–14	5.2W,5.0W		
DNK	XI	23 12 04 19.9–2.1	82.10N	17.96W	20–9	5.2s,4.5L		
GCMT	XI	23 12 04 19.9–.10	82.07N–.01	17.76W–.04	12	5.2W,4.5L		

ISC Event type ke.
FCIAR station OMEGA has station magnitude of 3.0. station ZFI2 has station magnitude of 3.9.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.13 $M_{\theta\theta}$2.38 $M_{\phi\phi}$4.75 $M_{r\theta}$-0.83 $M_{\theta\phi}$-2.18 $M_{\phi r}$-2.16 NP1:ϕ_s138.93000°,δ39.81000°,λ-107.90000°. NP2:ϕ_s341.74000° ,δ52.46000°,λ-75.63000°. Principal axes: T 6.2048,Plg6.0000°,Azm62.0000° ; N 1.4506,Plg11.0000°,Azm153.0000°; P -7.6554,Plg77.0000°,Azm302.0000° $M_0$7.04000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.94 $M_{\theta\theta}$2.66 $M_{\phi\phi}$5.28 $M_{r\theta}$-0.41 $M_{\theta\phi}$-2.69 $M_{\phi r}$-3.33 NP1: ϕ_s137.59399°,δ36.29852°,λ-109.29095°. NP2:ϕ_s341.06908°,δ56.03033°,λ-76.36001°. Principal axes: T 7.4209,Plg10.0664°,Azm61.3186°; N 1.4039,Plg11.2782°,Azm153.3475° ; P -8.8248,Plg74.7935°,Azm290.5430° $M_0$8.21334×10^{16}
BER Event type ke. Confirmed Earthquake.
DNK Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111231204A. Moment Tensor Solution. s106,c155; s144,c275;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72±.01 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$0.70±.01; $M_{r\theta}$0.14±.03; $M_{\theta\phi}$-0.36±.01; $M_{\phi r}$-0.36±.02; Best double couple: NP1: ϕ_s155.00000°,δ32.00000°,λ-92.00000°. NP2:ϕ_s338.00000°,δ58.00000°,λ-89.00000°. Principal axes: T 0.9480,Plg13.0000°,Azm67.0000°; N -0.1440,Plg1.0000°,Azm157.0000° ; P -0.8040,Plg77.0000°,Azm252.0000° $M_0$0.87600×10^{17}

ISC	**VIII**	**13 05 52 13.6–1.2**	**82.36N–.07**	**18.49W–.06**	**10**		**20**	**1-8**
BER	VIII	13 05 52 15.9–4.8	82.43N	18.25W	12–32	3.9W,2.2L		**¶626233047**
DNK	VIII	13 05 52 15.9–1.6	82.37N	18.23W	10–7	2.2L,2.2L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=18.2km s-min=109.6km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=6.2km s-min=54.8km az=-1.0. Presumed earthquake.

ISC	**IX**	**26 16 06 15.5–.43**	**82.79N–.06**	**26.00W–.05**	**10**	**4.3b,3.1s**	**117**	**2-71**
DNK	IX	26 16 06 13.4–2.6	83.11N	24.51W	6–29	3.5L,3.1s		**¶621110431**
IDC	IX	26 16 06 14.5–.62	82.89N	25.30W	0	3.9L,3.8b		
FCIAR	IX	26 16 06 15.0	83.11N	24.28W	10	3.9L,3.8b		
NEIC	IX	26 16 06 16.5–1.6	83.0N–.10	25.4W–.50	10–1	4.4b,3.8b		
BER	IX	26 16 06 17.2–2.7	83.03N	25.58W	10	3.5L,2.5L		

ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=18.6km s-min=71.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=24.0km s-min=10.2km az=14.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=10.7km az=10.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BER Event type ke. Error ellipse: s-maj=9.9km s-min=68.5km az=-1.0. Confirmed Earthquake.

(636) Eastern Kalaallit Nunaat.

ISC	**VII**	**25 20 58 08.3–.90**	**79.35N–.04**	**18.28W–.07**	**10**		**16**	**2-7**
DNK	VII	25 20 58 14.9–3.4	79.39N	17.89W	23–29	2.2L		**¶626175822**
BER	VII	25 20 58 15.4–2.8	79.37N	17.52W	10	3.7W,2.2L		

ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=8.4km s-min=60.2km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=7.4km s-min=73.4km az=-1.0. Confirmed Earthquake.

ISC	**VII**	**29 07 18 30.3–1.2**	**79.64N–.04**	**18.95W–.07**	**10**		**21**	**2-8**
BER	VII	29 07 18 32.7–2.8	79.78N	17.97W	20–27	3.8W,2.4L		**¶626175937**
DNK	VII	29 07 18 32.4–2.3	79.68N	17.61W	20–17	2.4L,2.4L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=12.2km s-min=62.3km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=5.5km s-min=38.0km az=-1.0. Presumed earthquake.

DNK	**VIII**	**06 19 37 58.9–3.0**	**79.88N**	**28.55W**	**0–33**	**1.7L**		
								¶626260986

DNK Event type se. Error ellipse: s-maj=10.3km s-min=106.7km az=-1.0. Presumed earthquake.

ISC	**VIII**	**14 20 09 20.8–.94**	**78.38N–.04**	**19.38W–.06**	**10**		**24**	**2-7**
BER	VIII	14 20 09 23.9–2.6	78.38N	19.05W	1–22	3.9W,2.2L		**¶626233063**
DNK	VIII	14 20 09 23.6–2.2	78.38N	19.16W	12–16	2.2L,2.2L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=6.8km s-min=52.5km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=5.2km s-min=30.7km az=-1.0. Presumed earthquake.

(637) Iceland region.

ISC	**VIII**	**01 00 18 17.9–4.2**	**62.70N–.08**	**25.11W–.05**	**6–26**	**4.2b,3.6s**	**104**	**2-153**
REY	VIII	01 00 18 14.2	62.42N	25.01W	10	4.2b,3.6s		**¶620925399**
IDC	VIII	01 00 18 17.2–.49	62.72N	25.37W	0	4.0b,4.0		
NEIC	VIII	01 00 18 19.6–1.0	62.83N–.08	25.2W–.20	10–1	4.5b,4.0		
GCMT	VIII	01 00 18 19.5–.30	63.07N–.04	24.96W–.05	15–1	4.7W,4.0		
GFZ	VIII	01 00 18 22.3–.43	63N–5.0	25W–6.0	10	4.2b,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108010018A. Moment Tensor Solution. s6,c7; s74,c102; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.04±.13 $M_{\theta\theta}$0.36±.08; $M_{\phi\phi}$0.68±.07; $M_{r\theta}$1.37±.24; $M_{\theta\phi}$0.36±.04; $M_{\phi r}$-0.51±.13; Best double couple: NP1:ϕ_s47.00000°,δ20.00000° ,λ-137.00000°. NP2:ϕ_s275.00000°,δ77.00000°,λ-75.00000°. Principal axes: T 1.2010,Plg30.0000°,Azm353.0000°; N 0.8220,Plg14.0000°,Azm91.0000° ; P -2.0210,Plg56.0000°,Azm204.0000° $M_0$1.61100×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**01 00 33 45.2–.38**	**62.85N–.05**	**25.15W–.05**	**10**	**4.3b,4.0s**	**238**	**1-153**
REY	VIII	01 00 33 40.0	62.44N	25.05W	10	4.3b,4.0s		**¶620925400**
BJI	VIII	01 00 33 41.5	62.90N	25.20W	10	5.1b,4.7s		
IDC	VIII	01 00 33 43.2–.55	62.72N	25.31W	0	4.1,4.0b		
GCMT	VIII	01 00 33 44.8–.20	62.59N–.04	25.34W–.04	18–1	4.8W,4.0b		
NEIC	VIII	01 00 33 44.6–2.0	62.91N–.05	25.2W–.10	10–1	4.6b,4.0b		
GFZ	VIII	01 00 33 47.2–.42	63N–5.0	25W–6.0	10	4.1b,4.1		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108010033A. Moment Tensor Solution. s21,c23; s88,c133; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.70±.13 $M_{\theta\theta}$0.21±.09; $M_{\phi\phi}$1.49±.09; $M_{r\theta}$-1.24±.25; $M_{\theta\phi}$0.50±.05; $M_{\phi r}$0.42±.18; Best double couple: NP1:ϕ_s174.00000°,δ51.00000° ,λ-127.00000°. NP2:ϕ_s44.00000°,δ52.00000°,λ-53.00000°. Principal axes: T 1.6620,Plg0.0000°,Azm109.0000°; N 0.7380,Plg28.0000°,Azm199.0000° ; P -2.4030,Plg62.0000°,Azm19.0000° $M_0$2.03300×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**01 00 51 12.3–.94**	**62.84N–.05**	**25.27W–.04**	**13–5**	**4.6b,4.4s**	**351**	**2-153**
REY	VIII	01 00 51 06.7	62.31N	24.74W	10	4.6b,4.4s		**¶620925401**
BJI	VIII	01 00 51 10.2	62.80N	25.20W	10	5.1b,4.8s		
IDC	VIII	01 00 51 10.3–.44	62.75N	25.34W	0	4.2b,4.2		
NEIC	VIII	01 00 51 11.5–1.1	62.90N–.08	25.1W–.20	10–1	4.8b,4.2		
GCMT	VIII	01 00 51 12.0–.20	62.85N–.03	25.15W–.03	12	4.9W,4.2		
GFZ	VIII	01 00 51 15.8	62.90N	24.59W	10	4.7W,4.2		
GFZ	VIII	01 00 51 15.6–.50	63N–4.0	25W–6.0	10	4.4b,4.3		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108010051A. Moment Tensor Solution. s27,c33; s117,c187; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.69±.08 $M_{\theta\theta}$0.54±.10; $M_{\phi\phi}$2.15±.07; $M_{r\theta}$1.59±.35; $M_{\theta\phi}$0.69±.07; $M_{\phi r}$-0.07±.23; Best double couple: NP1:ϕ_s2.00000°,δ43.00000° ,λ-123.00000°. NP2:ϕ_s224.00000°,δ55.00000°,λ-63.00000°. Principal axes: T 2.4640,Plg7.0000°,Azm295.0000°; N 0.9000,Plg22.0000°,Azm28.0000° ; P -3.3600,Plg67.0000°,Azm189.0000° $M_0$2.91200×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.25 $M_{\theta\theta}$0.54 $M_{\phi\phi}$0.71 $M_{r\theta}$-0.39 $M_{\theta\phi}$-0.11 $M_{\phi r}$-1.06 NP1: ϕ_s171.66760°,δ21.68329°,λ-108.53532°. NP2:ϕ_s11.50764°,δ69.49371°,λ-82.79624°. Principal axes: T 1.1783,Plg24.1650°,Azm95.9305°; N 0.6014,Plg6.7451°,Azm188.9724° ; P -1.7797,Plg64.7935°,Azm293.5247° $M_0$1.56805×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**01 00 55 31.5–.88**	**62.81N–.04**	**25.12W–.04**	**7–5**	**4.6b,4.4s**	**524**	**1-153**
REY	VIII	01 00 55 25.9	62.30N	24.82W	10	4.6b,4.4s		**¶620925403**
IDC	VIII	01 00 55 30.5–.41	62.73N	25.30W	0	4.4s,4.3b		
BGR	VIII	01 00 55 31.1	62.83N	25.38W	10	4.6b,4.3b		
NEIC	VIII	01 00 55 31.8–.95	62.82N–.08	25.1W–.20	10–1	4.7b,4.3b		
GCMT	VIII	01 00 55 32.8–.20	62.77N–.02	25.15W–.02	12–0	5.0W,4.3b		
GFZ	VIII	01 00 55 33.1	62.83N	25.28W	10	4.9W,4.3b		
GFZ	VIII	01 00 55 34.7–.57	63N–4.0	25W–7.0	10	4.8,4.6b		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108010055A. Moment Tensor Solution. s29,c37; s134,c244; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.89±.17 $M_{\theta\theta}$0.38±.10; $M_{\phi\phi}$3.51±.11; $M_{r\theta}$0.51±.32; $M_{\theta\phi}$1.02±.06; $M_{\phi r}$-0.76±.25; Best double couple: NP1:ϕ_s206.00000°,δ41.00000° ,λ-76.00000°. NP2:ϕ_s7.00000°,δ50.00000°,λ-102.00000°. Principal axes: T 3.8580,Plg4.0000°,Azm106.0000°; N 0.1970,Plg10.0000°,Azm15.0000° ; P -4.0520,Plg80.0000°,Azm220.0000° $M_0$3.95500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.07 $M_{\theta\theta}$0.84 $M_{\phi\phi}$2.23 $M_{r\theta}$-0.20 $M_{\theta\phi}$0.47 $M_{\phi r}$-1.11 NP1: ϕ_s198.44351°,δ33.88000°,λ-87.01494°. NP2:ϕ_s14.84941°,δ56.17219°,λ-92.00264°. Principal axes: T 2.5993,Plg11.1512°,Azm106.2926°; N 0.6995,Plg1.6635°,Azm15.9646° ; P -3.2988,Plg78.7222°,Azm277.5905° $M_0$3.01061×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**01 01 01 05.4–.69**	**62.76N–.10**	**25.25W–.09**	**10**	**3.7b**	**26**	**3-153**
IDC	VIII	01 01 01 03.7–.74	62.69N	25.38W	0	3.7L,3.7b		**¶620986164**

ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=15.5km az=169.0.

ISC	**VIII**	**01 01 25 53.7–.29**	**62.84N–.05**	**25.27W–.04**	**10**	**4.6b,4.4s**	**409**	**2-153**
REY	VIII	01 01 25 42.4	62.09N	25.35W	10	4.6b,4.4s		**¶620925406**
IDC	VIII	01 01 25 51.7–.44	62.73N	25.38W	0	4.4s,4.2b		
BJI	VIII	01 01 25 53.2	63.26N	25.09W	10	5.2b,5.1s		
NEIC	VIII	01 01 25 53.6–1.9	62.81N–.08	25.2W–.20	10–1	4.7b,5.1s		
GCMT	VIII	01 01 25 53.1–.10	62.70N–.01	25.19W–.02	12	5.0W,5.1s		
GFZ	VIII	01 01 25 54.7–.13	63N–3.0	25W–2.0	10	5.0W,4.4		
BGR	VIII	01 01 25 57.0	62.50N	25.08W	10	4.3b,4.4		
DNK	VIII	01 01 25 57.0–3.8	63.04N	25.45W	0–93	2.7L,4.4		

ISC Event type ke.
IDC Error ellipse: s-maj=13.0km s-min=9.4km az=171.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=12.1km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108010125A. Moment Tensor Solution. s36,c45; s126,c239; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.20±.08 $M_{\theta\theta}$0.09±.09; $M_{\phi\phi}$4.11±.06; $M_{r\theta}$0.61±.27; $M_{\theta\phi}$1.26±.06; $M_{\phi r}$0.36±.22; Best double couple: NP1:ϕ_s9.00000°,δ42.00000° ,λ-100.00000°. NP2:ϕ_s203.00000°,δ49.00000°,λ-81.00000°. Principal axes: T 4.5030,Plg3.0000°,Azm286.0000°; N -0.2110,Plg7.0000°,Azm17.0000° ; P -4.2880,Plg82.0000°,Azm170.0000° $M_0$4.39500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
DNK Event type se. Error ellipse: s-maj=61.7km s-min=68.3km az=-1.0. Presumed earthquake.

ISC	**VIII**	**01 01 33 11.6–3.2**	**62.97N–.09**	**25.02W–.10**	**4–18**	**3.5b**	**36**	**1-153**
REY	VIII	01 01 33 05.1	62.51N	25.37W	10	3.5b		**¶620986165**
IDC	VIII	01 01 33 10.8–1.0	62.88N	25.24W	0	3.6s,3.5b		

ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=17.8km az=167.0.

ISC	**VIII**	**01 07 36 36.7–.77**	**62.7N–.10**	**25.40W–.10**	**6**	**3.5b**	**15**	**3-153**
IDC	VIII	01 07 36 35.0–.82	62.69N	25.46W	0	3.7L,3.5b		**¶620986184**

ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=15.6km az=15.0.

ISC	**VIII**	**01 07 52 50.8–.80**	**62.9N–.10**	**25.35W–.09**	**10**	**3.6b,3.3s**	**17**	**3-153**
IDC	VIII	01 07 52 48.6–.85	62.78N	25.53W	0	3.6L,3.6		**¶620986185**

ISC Event type se.

IDC Error ellipse: s-maj=19.6km s-min=15.4km az=6.0.
ISC VIII 01 08 10 31.2–.85 62.6N–.30 25.7W–.10 10 3.9b,3.6s 20 14-153
IDC VIII 01 08 10 29.2–.96 62.65N 25.40W 0 3.7s,3.4b **¶620986187**
ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=19.9km az=24.0.
ISC VIII 01 10 16 16.9–.50 62.83N–.08 25.35W–.06 10 4.0b,3.4s 66 3-153
IDC VIII 01 10 16 15.1–.62 62.72N 25.34W 0 4.6L,3.7b **¶620986200**
NEIC VIII 01 10 16 17.1–1.3 62.9N–.10 25.27W–.09 10–1 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 01 10 19 22.6–.43 62.75N–.08 25.24W–.05 10 3.9b 86 2-153
REY VIII 01 10 19 18.0 62.35N 24.79W 10 3.9b **¶620986201**
IDC VIII 01 10 19 20.8–.53 62.65N 25.38W 0 3.9,3.8b
NEIC VIII 01 10 19 22.8–1.8 62.83N–.10 25.3W–.20 10–1 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 01 10 24 03.9–.49 62.70N–.07 25.05W–.06 10 4.1b 125 3-153
IDC VIII 01 10 24 02.1–.59 62.63N 25.11W 0 3.8b,3.8 **¶620925848**
NEIC VIII 01 10 24 03.6–1.8 62.66N–.10 25.0W–.20 10–1 4.3b,3.8
GFZ VIII 01 10 24 09.1–.37 63N–4.0 24W–5.0 10 4.1b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 01 10 31 48.0–1.1 62.7N–.10 25.3W–.10 10 3.4b 10 3-58
IDC VIII 01 10 31 46.6–1.1 62.65N 25.38W 0 3.6L,3.6 **¶620986202**
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=18.0km az=174.0.
ISC VIII 01 10 35 50.7–.58 63.11N–.10 25.80W–.08 10 3.8b 28 3-153
IDC VIII 01 10 35 49.9–.62 63.15N 25.88W 0 3.7L,3.7b **¶620986203**
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=12.8km az=176.0.
ISC VIII 01 10 39 24.4–.82 62.9N–.10 25.23W–.08 10 3.6b 13 3-153
IDC VIII 01 10 39 22.9–.92 62.80N 25.38W 0 3.6s,3.5b **¶620986204**
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=15.0km az=1.0.
ISC VIII 01 10 40 27.8–.68 62.74N–.04 25.31W–.03 13–3 4.8b,4.7s 846 3-165
IDC VIII 01 10 40 25.6–.36 62.67N 25.35W 0 4.8s,4.5b **¶620925708**
MOS VIII 01 10 40 25.6–.79 62.74N 25.24W 10 5.0b,4.6s
BJI VIII 01 10 40 25.0 62.70N 25.20W 10 5.3b,5.1s
NEIC VIII 01 10 40 27.6 62.39N 25.26W 12 5.2,5.1s
NEIC VIII 01 10 40 27.2–1.2 62.69N–.08 25.3W–.10 10–1 4.9b,5.1s
NEIC VIII 01 10 40 27.2 62.69N 25.26W 10 4.9b,5.1s
GFZ VIII 01 10 40 28.4–.10 63N–2.0 25W–1.0 10 5.4b,4.8
GFZ VIII 01 10 40 28.4 62.68N 25.15W 10 5.1W,4.8
GCMT VIII 01 10 40 28.0–.10 62.68N–.01 25.25W–.01 12 5.2W,4.8
BGR VIII 01 10 40 28.9 62.94N 24.94W 10 4.7b,4.8
DNK VIII 01 10 40 30.2–3.4 62.86N 25.23W 32–90 3.7L,4.8
ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=7.8km az=4.0.
MOS Error ellipse: s-maj=7.1km s-min=5.6km az=81.3.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.11 $M_{\theta\theta}$0.48 $M_{\phi\phi}$5.63 $M_{r\theta}$-0.12 $M_{\theta\phi}$1.81 $M_{\phi r}$3.17 NP1:ϕ_s26.19000°,δ32.66000° ,λ-75.19000°. NP2:ϕ_s188.76000°,δ58.55000°,λ-99.31000°. Principal axes: T 6.8965,Plg13.0000°,Azm285.0000°; N 0.0617,Plg8.0000°,Azm194.0000° ; P -6.9582,Plg75.0000°,Azm73.0000° $M_0$6.93000×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.2km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.58 $M_{\theta\theta}$1.44 $M_{\phi\phi}$4.14 $M_{r\theta}$0.53 $M_{\theta\phi}$2.10 $M_{\phi r}$-2.51 NP1: ϕ_s221.36915°,δ36.55706°,λ-67.46155°. NP2:ϕ_s14.04637°,δ56.62401°,λ-105.86625°. Principal axes: T 5.6425,Plg10.3111°,Azm115.3782°; N 0.6923,Plg13.1973°,Azm22.9331° ; P -6.3348,Plg73.1357°,Azm242.2588° $M_0$6.01858×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108011040A. Moment Tensor Solution. s68,c86; s156,c286; Duration: 0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73±.01 $M_{\theta\theta}$0.08±.01; $M_{\phi\phi}$0.65±.01; $M_{r\theta}$0.13±.03; $M_{\theta\phi}$0.21±.01; $M_{\phi r}$0.03±.02; Best double couple: NP1:ϕ_s10.00000°,δ43.00000° ,λ-103.00000°. NP2:ϕ_s207.00000°,δ49.00000°,λ-78.00000°. Principal axes: T 0.7220,Plg3.0000°,Azm289.0000°; N 0.0300,Plg9.0000°,Azm19.0000° ; P -0.7530,Plg81.0000°,Azm180.0000° $M_0$0.73700×10^{17}
BGR Event type ke.
DNK Event type se. Error ellipse: s-maj=22.4km s-min=36.2km az=-1.0. Presumed earthquake.
ISC VIII 01 12 06 36.5–.35 62.85N–.06 25.34W–.05 10 4.4b,3.9s 251 3-153
IDC VIII 01 12 06 34.5–.48 62.76N 25.43W 0 4.1b,4.1 **¶620925712**
NEIC VIII 01 12 06 36.2–1.3 62.88N–.05 25.1W–.20 10–1 4.5b,4.1
GCMT VIII 01 12 06 37.4–.30 62.70N–.04 25.27W–.04 13–1 4.7W,4.1
GFZ VIII 01 12 06 38.4–.32 63N–4.0 25W–4.0 10 4.4b,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108011206A. Moment Tensor Solution. s9,c10; s72,c108; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.01±.14 $M_{\theta\theta}$-0.30±.09; $M_{\phi\phi}$1.31±.09; $M_{r\theta}$0.26±.28; $M_{\theta\phi}$0.53±.05; $M_{\phi r}$0.17±.18; Best double couple: NP1:ϕ_s359.00000°,δ42.00000° ,λ-116.00000°. NP2:ϕ_s212.00000°,δ53.00000°,λ-68.00000°. Principal axes: T 1.4900,Plg5.0000°,Azm287.0000°; N -0.3940,Plg17.0000°,Azm19.0000° ; P -1.0940,Plg72.0000°,Azm180.0000° $M_0$1.29200×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 01 08 49 15.5–.97 62.7N–.30 25.1W–.20 10 3.4b,3.4s 6 13-59
IDC VIII 01 08 49 14.3–1.1 62.65N 25.26W 0 3.5s,3.4L **¶620986193**
ISC Event type se.
IDC Error ellipse: s-maj=59.2km s-min=18.8km az=27.0.
ISC VIII 01 12 45 29.0–.90 62.6N–.20 25.6W–.20 6 3.4b,2.9s 9 3-153
IDC VIII 01 12 45 28.1–.91 62.58N 25.65W 0 3.4b,3.4 **¶620986212**
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=19.1km az=28.0.
ISC VIII 01 13 03 08.9–.31 62.83N–.05 25.31W–.04 10 4.7b,4.3s 323 2-153
IDC VIII 01 13 03 07.3–.42 62.74N 25.38W 0 4.3b,4.3 **¶620925714**
BJI VIII 01 13 03 08.0 62.90N 25.40W 10 5.0b,4.7s
NEIC VIII 01 13 03 09.0–.83 62.83N–.08 25.3W–.10 10–1 4.7b,4.7s
GCMT VIII 01 13 03 09.4–.20 62.67N–.02 25.28W–.02 12 4.8W,4.7s
GFZ VIII 01 13 03 10.6 62.81N 25.23W 10 4.8W,4.7s
GFZ VIII 01 13 03 11.4–.41 63N–4.0 25W–5.0 10 4.5b,4.4
BER VIII 01 13 03 13.1–2.6 62.90N 25.08W 15–128 3.7L,3.5L
DNK VIII 01 13 03 14.4–3.9 62.93N 25.56W 22–76 3.5L,3.5L
REY VIII 01 13 03 18.3 63.07N 23.48W 10 3.5L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=11.7km s-min=8.9km az=169.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.2km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108011303A. Moment Tensor Solution. s24,c30; s102,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.28±.08 $M_{\theta\theta}$-1.24±.10; $M_{\phi\phi}$2.53±.06; $M_{r\theta}$-0.23±.29; $M_{\theta\phi}$1.32±.06; $M_{\phi r}$0.22±.18; Best double couple: NP1:ϕ_s59.00000°,δ69.00000° ,λ-19.00000°. NP2:ϕ_s156.00000°,δ72.00000°,λ-158.00000°. Principal axes: T 2.9510,Plg2.0000°,Azm287.0000°; N -1.1340,Plg62.0000°,Azm194.0000° ; P -1.8070,Plg28.0000°,Azm18.0000° $M_0$2.37900×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.57 $M_{\theta\theta}$0.29 $M_{\phi\phi}$1.28 $M_{r\theta}$-0.68 $M_{\theta\phi}$1.10 $M_{\phi r}$-0.83 NP1: ϕ_s207.20149°,δ29.79516°,λ-98.69404°. NP2:ϕ_s37.19491°,δ60.58111°,λ-85.05326°. Principal axes: T 2.2816,Plg15.4447°,Azm123.5681°; N -0.4074,Plg4.3076°,Azm214.7605° ; P -1.8742,Plg73.9368°,Azm319.9252° $M_0$2.10768×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BER Event type ke. Error ellipse: s-maj=61.9km s-min=101.0km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=40.2km s-min=62.9km az=-1.0. Presumed earthquake.
ISC VIII 11 20 06 50.1–.68 63.54N–.07 23.95W–.05 10 3.9b 57 1-60
REY VIII 11 20 06 46.8 63.35N 24.26W 10 3.9b **¶621009359**
IDC VIII 11 20 06 49.4–.94 63.46N 24.33W 0 3.8L,3.6b
NEIC VIII 11 20 06 50.2–2.1 63.6N–.10 24.1W–.20 10–2 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 11 20 08 14.7–.80 63.53N–.05 24.07W–.04 10–4 4.2b 205 1-145
REY VIII 11 20 08 12.4 63.37N 24.25W 10 4.2b **¶620983148**
BGR VIII 11 20 08 13.5 64.47N 24.88W 10 4.4b
IDC VIII 11 20 08 13.4–.70 63.38N 24.31W 0 3.8b,3.8
NEIC VIII 11 20 08 14.7–1.5 63.49N–.08 24.2W–.20 10–1 4.4b,3.8
GFZ VIII 11 20 08 14.6–.20 64N–3.0 24W–3.0 10 4.1b,4.1
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 22 09 13 32.4–.77 63.89N–.03 22.17W–.02 11–4 3.5b 98 0-52
REY XII 22 09 13 32.1 63.92N 22.25W 4 3.5b **¶621686760**
IDC XII 22 09 13 32.4–1.2 64.03N 22.24W 0 3.7L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=16.3km az=101.0.
REY IX 29 11 05 01.6 63.94N 22.18W 6 ¶625811524
ISC X 02 15 32 14.7–.82 63.93N–.03 22.12W–.02 6–5 3.7b,3.5s 86 0-59
IDC X 02 15 32 14.6–1.0 64.04N 22.17W 0 4.1L,3.5b **¶621186076**
REY X 02 15 32 14.5 63.93N 22.18W 6 4.1L,3.5b
NEIC X 02 15 32 15.9–1.4 63.96N–.04 21.6W–.20 10–1 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 04 24 50.6–.81 63.89N–.03 22.15W–.02 5–5 4.0b,3.5s 117 0-88
REY XII 22 04 24 49.9 63.91N 22.25W 3 4.0b,3.5s **¶621686745**
IDC XII 22 04 24 51.5–.94 64.09N 22.38W 0 3.7,3.6L
DNK XII 22 04 25 00.4–4.5 64.17N 17.55W 0–319 3.3L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=15.5km az=117.0.
DNK Event type se. Error ellipse: s-maj=242.8km s-min=312.3km az=-1.0. Presumed earthquake.
ISC XII 22 09 23 11.3–.83 63.87N–.03 22.19W–.02 5–5 4.6b,4.0s 296 0-154
REY XII 22 09 23 10.3 63.87N 22.30W 7 4.6b,4.0s **¶621640255**
IDC XII 22 09 23 11.3–.58 63.94N 22.26W 0 4.1b,4.1
BGR XII 22 09 23 11.2 65.01N 22.31W 33 4.6b,3.6s
NEIC XII 22 09 23 12.5–.94 64.03N–.05 22.1W–.10 10–1 4.8b,3.6s
GCMT XII 22 09 23 12.4–.30 63.87N–.02 22.40W–.04 12 4.7W,3.6s
GFZ XII 22 09 23 14.8–.33 64N–4.0 22W–5.0 10 5.1b,4.9L
DNK XII 22 09 23 29.9–2.7 65.12N 23.33W 20 3.2L,4.9L
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=10.5km az=23.0.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.5km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112220923A. Moment Tensor Solution. s10,c10; s92,c119; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.39±.07 $M_{\theta\theta}$0.80±.07; $M_{\phi\phi}$-0.41±.06; $M_{r\theta}$-0.07±.17; $M_{\theta\phi}$1.35±.04; $M_{\phi r}$-0.12±.20; Best double couple: NP1:ϕ_s282.00000°,δ85.00000° ,λ-1.00000°. NP2:ϕ_s12.00000°,δ89.00000°,λ-175.00000°. Principal axes: T 1.6790,Plg3.0000°,Azm147.0000°; N -0.3880,Plg85.0000°,Azm19.0000° ; P -1.2910,Plg4.0000°,Azm237.0000° $M_0$1.48500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DNK Event type se. Error ellipse: s-maj=59.3km s-min=102.3km az=-1.0. Presumed earthquake.
ISC XII 24 21 38 24.4–.64 63.88N–.03 22.33W–.02 8–4 4.3b,4.0s 148 0-137
DNK XII 24 21 38 21.7–.34 63.76N 21.24W 4–4 4.3b,4.0s **¶621653111**
REY XII 24 21 38 22.7 63.85N 22.41W 4 4.3b,4.0s
IDC XII 24 21 38 24.0–.77 64.00N 22.40W 0 4.1s,4.0L
NEIC XII 24 21 38 26.3–1.9 64.17N–.08 22.3W–.20 10–2 4.5b,4.0L
GFZ XII 24 21 38 27.8–.62 64N–5.0 22W–9.0 10 5.5,5.3
ISC Event type se.
DNK Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 22 04 55 39.5–.86 63.86N–.04 22.26W–.02 15–5 46 0-22
REY XII 22 04 55 40.6 63.88N 22.28W 7 **¶625825732**
ISC Event type se.
REY XII 26 05 10 16.9 63.92N 22.09W 4 ¶625825814
ISC XII 25 07 26 28.5–.76 63.89N–.03 22.14W–.02 7–4 4.1b,3.8s 125 0-86
GFZ XII 25 07 26 26.5–.69 64N–5.0 22W–8.0 10 4.4,4.4L **¶621653210**
REY XII 25 07 26 27.7 63.89N 22.26W 4 4.4,4.4L
IDC XII 25 07 26 29.2–.88 64.01N 22.03W 0 4.0L,3.8s
NEIC XII 25 07 26 30.6–.56 64.05N–.05 21.8W–.20 10–1 4.2b,3.8s
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 24 15 03 23.9–.36 63.88N–.03 22.18W–.02 10 4.4b,4.0s 226 0-154
DNK XII 24 15 03 19.5–1.1 63.64N 21.70W 15–38 4.4b,4.0s **¶621652981**
BGR XII 24 15 03 21.4 65.05N 22.30W 33 4.5b,4.0s
REY XII 24 15 03 22.5 63.88N 22.25W 3 4.5b,4.0s
IDC XII 24 15 03 23.5–.66 63.97N 22.30W 0 4.1s,3.8b
NEIC XII 24 15 03 24.4–2.0 64.07N–.04 22.2W–.10 10–1 4.6b,3.8b
GFZ XII 24 15 03 25.4–.39 64N–4.0 22W–5.0 10 4.7L,4.4b
ISC Event type ke.
DNK Event type se. Presumed earthquake.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 24 23 55 36.8–.59 63.91N–.03 22.22W–.02 10 3.9b,3.8s 70 0-78
REY XII 24 23 55 35.0 63.89N 22.26W 5 3.9b,3.8s **¶621700109**
IDC XII 24 23 55 36.5–1.1 63.97N 22.28W 0 3.8L,3.8s
NEIC XII 24 23 55 37.9–.76 64.04N–.04 22.1W–.20 10–1 4.1b,3.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 26 15 25 20.2–.48 63.95N–.03 22.00W–.02 10 4.1b 88 0-63
REY XII 26 15 25 18.3 63.92N 22.07W 5 4.1b **¶621700224**
IDC XII 26 15 25 19.5–1.4 63.97N 22.30W 0 3.9L,3.8
NEIC XII 26 15 25 21.3–1.1 64.07N–.05 22.0W–.20 8–5 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(638) Iceland.

ISC VII 27 22 12 12.9–.26 64.64N–.02 17.46W–.02 10 4.8b,4.3s 680 0-155
NAO VII 27 22 12 06.3 64.53N 17.65W 10 4.3b,4.3s **¶620857163**
REY VII 27 22 12 10.3 64.62N 17.36W 2 4.3b,4.3s
BGS VII 27 22 12 11.2–2.3 64.48N 17.85W 10 4.8b,4.3s
NEIC VII 27 22 12 12.0–2.3 64.48N–.09 17.9W–.20 10–1 4.8b,4.3s

IDC	VII	27 22 12 11.9–.41	64.53N	17.66W	0	4.4b,4.4			
MOS	VII	27 22 12 11.5–1.3	64.54N	17.82W	10	5.0b,4.3s			
BER	VII	27 22 12 12.3–9.6	64.50N	17.65W	10	4.8b,4.3s			
FCIAR	VII	27 22 12 13.0	64.06N	18.57W	10	4.8b,4.3s			
GFZ	VII	27 22 12 15.4–.12	65N–2.0	18W–2.0	10	5.2b,4.7			
GFZ	VII	27 22 12 15.4	64.53N	17.53W	10	5.0W,4.7			
GCMT	VII	27 22 12 16.3–.10	64.56N–.01	17.15W–.02	12	5.1W,4.7			
BGR	VII	27 22 12 18.0	64.03N	18.04W	10	4.7b,4.2s			
DNK	VII	27 22 12 18.1–5.3	64.65N	17.52W	37–53	4.7b,4.2s			

ISC Event type ke.

BGS Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.8km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=11.8km s-min=7.6km az=15.0.

MOS Error ellipse: s-maj=7.6km s-min=5.4km az=101.0.

BER Event type se. Error ellipse: s-maj=32.6km s-min=70.0km az=-1.0. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.98 $M_{\theta\theta}$-2.47 $M_{\phi\phi}$-1.51 $M_{r\theta}$0.91 $M_{\theta\phi}$0.62 $M_{\phi r}$0.64 NP1: ϕ_s104.13379°,δ50.72757°,λ77.11565°. NP2:ϕ_s304.00156°,δ41.00489°,λ105.25370°. Principal axes: T 4.1935,Plg78.8799°,Azm319.2954°; N -1.3730,Plg9.9403°,Azm112.3727° ; P -2.8206,Plg4.9345°,Azm203.2397° $M_0$3.70315×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107272212A. Moment Tensor Solution. s73,c98; s148,c263; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.45±.06 $M_{\theta\theta}$-3.58±.06; $M_{\phi\phi}$-1.87±.05; $M_{r\theta}$1.04±.19; $M_{\theta\phi}$1.10±.05; $M_{\phi r}$2.92±.18; Best double couple: NP1:ϕ_s99.00000°,δ46.00000° ,λ60.00000°. NP2:ϕ_s318.00000°,δ52.00000°,λ117.00000°. Principal axes: T 6.6500,Plg69.0000°,Azm291.0000°; N -2.5120,Plg21.0000°,Azm121.0000° ; P -4.1380,Plg3.0000°,Azm30.0000° $M_0$5.39400×10^{16}

BGR Event type ke.

DNK Event type se. Error ellipse: s-maj=29.4km s-min=51.2km az=-1.0. Presumed earthquake.

ISC	**VII**	**29 19 20 16.2–.79**	**63.6N–.20**	**19.2W–.10**	**10**	**3.7b**	**9**	**1-62**
IDC	VII	29 19 20 14.8–.89	63.61N	19.23W	0	3.7,3.6b		**¶620984133**

ISC Event type se.

IDC Error ellipse: s-maj=30.2km s-min=13.4km az=45.0.

ISC	**VII**	**27 19 02 12.8–.37**	**64.62N–.02**	**17.51W–.02**	**10**	**4.1b,3.3s**	**226**	**0-99**
REY	VII	27 19 02 11.2	64.62N	17.47W	4	4.1b,3.3s		**¶620857067**
NEIC	VII	27 19 02 12.5–2.8	64.64N–.05	17.4W–.10	10–1	4.3b,3.3s		
IDC	VII	27 19 02 13.2–.60	64.59N	17.75W	0	3.9,3.8b		
BGS	VII	27 19 02 13.5–2.4	64.64N	17.39W	10	4.3b,3.8b		
GFZ	VII	27 19 02 14.9–.35	65N–7.0	18W–6.0	10	4.1,4.1b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

BGS Event type se. Presumed earthquake.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**06 07 21 00.5–.84**	**64.69N–.02**	**17.56W–.03**	**3–6**	**3.6b**	**60**	**0-53**
REY	XI	06 07 20 60.0	64.67N	17.46W	1	3.6b		**¶621415971**
IDC	XI	06 07 21 02.1–1.0	64.44N	18.09W	0	3.7,3.6b		

ISC Event type se.

IDC Error ellipse: s-maj=33.5km s-min=12.5km az=30.0.

ISC	**XII**	**06 06 16 49.6–.61**	**64.43N–.02**	**17.30W–.02**	**10**	**3.5b**	**82**	**0-53**
REY	XII	06 06 16 48.6	64.42N	17.27W	1	3.5b		**¶621632581**
IDC	XII	06 06 16 50.5–1.3	64.17N	17.92W	0	4.1L,3.6		

ISC Event type se.

IDC Error ellipse: s-maj=55.4km s-min=14.9km az=30.0.

ISC	**XI**	**11 13 21 41.3–.47**	**63.92N–.02**	**19.68W–.01**	**9–2**	**5.1b,4.3s**	**700**	**0-154**
BJI	XI	11 13 21 39.0	63.90N	19.80W	10	5.1b,5.0s		**¶621395284**
BGS	XI	11 13 21 39.8–2.0	63.90N	19.67W	10	5.1L,5.1L		
GFZ	XI	11 13 21 40.3–.28	64N–4.0	20W–4.0	10	5.7b,5.3		
IDC	XI	11 13 21 40.1–.42	63.89N	19.71W	0	4.6b,4.6		
GFZ	XI	11 13 21 40.3	63.85N	20.00W	10	4.9W,4.6		
MOS	XI	11 13 21 40.2–.93	63.91N	19.72W	10	5.0b,4.3s		
REY	XI	11 13 21 40.7	63.91N	19.68W	6	5.0b,4.3s		
NEIC	XI	11 13 21 41.9–2.3	63.97N–.07	19.7W–.20	10–1	5.2b,4.3s		
NEIC	XI	11 13 21 41.9	63.95N	19.74W	10	5.2b,4.3s		
NEIC	XI	11 13 21 42.2	63.65N	19.52W	20	5.0,4.3s		
GCMT	XI	11 13 21 42.5–.20	63.81N–.01	19.63W–.02	17–1	5.0W,4.3s		
DNK	XI	11 13 21 48.5–4.1	63.92N	19.62W	60–56	5.0W,4.3s		
NAO	XI	11 13 21 49.6	63.88N	19.70W	10	4.9b,4.3s		

ISC Event type se.

BGS Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.

GFZ Error ellipse: s-maj=11.4km s-min=4.4km az=49.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC Error ellipse: s-maj=14.0km s-min=8.0km az=27.0.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$1.75 $M_{r\theta}$-0.07 $M_{\theta\phi}$1.93 $M_{\phi r}$-0.07 NP1: ϕ_s159.38065°,δ88.02827°,λ179.23712°. NP2:ϕ_s249.40690°,δ89.23758°,λ1.97190°. Principal axes: T 2.6235,Plg1.9334°,Azm114.4082°; N -0.1184,Plg87.8859°,Azm270.5374° ; P -2.5050,Plg0.8549°,Azm24.3794° $M_0$2.56630×10^{16}

MOS Error ellipse: s-maj=7.8km s-min=5.3km az=108.3.

NEIC Event type se. Error ellipse: s-maj=16.1km s-min=6.8km az=227.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22 $M_{\theta\theta}$-2.21 $M_{\phi\phi}$2.43 $M_{r\theta}$-2.18 $M_{\theta\phi}$2.36 $M_{\phi r}$-0.80 NP1:ϕ_s158.58000°,δ54.94000° ,λ-176.96000°. NP2:ϕ_s66.84000°,δ87.51000°,λ-35.10000°. Principal axes: T 4.0638,Plg22.0000°,Azm118.0000°; N -0.0358,Plg55.0000°,Azm243.0000° ; P -4.0280,Plg26.0000°,Azm17.0000° $M_0$4.05000×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111111321A. Moment Tensor Solution. s46,c59; s128,c211; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.09 $M_{\theta\theta}$-2.58±.08; $M_{\phi\phi}$2.50±.07; $M_{r\theta}$-0.41±.19; $M_{\theta\phi}$2.70±.07; $M_{\phi r}$-1.47±.21; Best double couple: NP1:ϕ_s250.00000°,δ73.00000° ,λ12.00000°. NP2:ϕ_s157.00000°,δ78.00000°,λ163.00000°. Principal axes: T 4.2200,Plg20.0000°,Azm113.0000°; N -0.4620,Plg70.0000°,Azm303.0000° ; P -3.7590,Plg3.0000°,Azm204.0000° $M_0$3.98900×10^{16}

DNK Event type se. Error ellipse: s-maj=22.9km s-min=42.5km az=-1.0. Presumed earthquake.

NAO Event type se. Presumed earthquake.

ISC	**XII**	**29 14 46 28.5–.74**	**64.63N–.02**	**17.52W–.02**	**2–4**	**4.3b,3.8s**	**308**	**0-155**
DNK	XII	29 14 46 15.4–.30	64.70N	10.50W	18	2.9L,3.8s		**¶621657121**
REY	XII	29 14 46 27.1	64.63N	17.49W	4	2.9L,3.8s		
IDC	XII	29 14 46 28.5–.50	64.61N	17.47W	0	4.0b,4.0		
NEIC	XII	29 14 46 29.1–1.1	64.55N–.05	17.6W–.10	10–1	4.4b,4.0		
GFZ	XII	29 14 46 30.7–.22	65N–3.0	18W–3.0	10	5.2b,4.5		
GCMT	XII	29 14 46 32.8–.40	64.53N–.05	17.0W–.10	12	4.7W,4.5		

ISC Event type se.

DNK Event type se. Presumed earthquake.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112291446A. Moment Tensor Solution. s12,c12; s82,c95; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.08±.04 $M_{\theta\theta}$-0.77±.05; $M_{\phi\phi}$-0.30±.04; $M_{r\theta}$0.27±.30; $M_{\theta\phi}$0.22±.04; $M_{\phi r}$0.91±.23; Best double couple: NP1:ϕ_s97.00000°,δ43.00000° ,λ50.00000°. NP2:ϕ_s326.00000°,δ59.00000°,λ121.00000°. Principal axes: T 1.5830,Plg62.0000°,Azm288.0000°; N -0.7070,Plg26.0000°,Azm129.0000° ; P -0.8770,Plg9.0000°,Azm34.0000° $M_0$1.23000×10^{16}

(639) Jan Mayen Island region.

ISC	**VII**	**11 01 53 42.2–1.3**	**71.7N–.10**	**3.2W–.10**	**10**		**30**	**6-15**
NAO	VII	11 01 53 43.2–1.1	71.64N	3.22W	10	2.8L		**¶620787520**
BER	VII	11 01 53 45.7–2.6	71.71N	2.94W	10	3.9W,2.8L		

ISC Event type ke.

BER Event type ke. Error ellipse: s-maj=15.5km s-min=59.2km az=-1.0. Confirmed Earthquake.

ISC	**VII**	**14 03 37 21.7–.89**	**71.2N–.10**	**8.63W–.08**	**26–12**		**22**	**0-11**
BER	VII	14 03 37 23.6–.97	71.14N	8.63W	15–9	3.8W,3.4W		**¶626175552**
DNK	VII	14 03 37 25.6–.87	71.41N	9.21W	0–76	1.6L,3.4W		

ISC Event type ke.

BER Event type ke. Error ellipse: s-maj=8.2km s-min=19.1km az=-1.0. Confirmed Earthquake.

DNK Event type se. Error ellipse: s-maj=58.2km s-min=91.5km az=-1.0. Presumed earthquake.

BER	**IX**	**16 06 32 37.8–2.2**	**71.86N**	**1.87W**	**10**	**3.6W**		
								¶626331867

BER Event type ke. Error ellipse: s-maj=14.1km s-min=43.4km az=-1.0. Confirmed Earthquake.

BER	**VIII**	**26 13 30 17.5–2.9**	**71.31N**	**2.81W**	**10**	**3.8W**		
								¶626233249

BER Event type ke. Error ellipse: s-maj=31.0km s-min=96.3km az=-1.0. Confirmed Earthquake.

ISC	**IX**	**25 01 42 28.6–1.3**	**71.6N–.10**	**3.1W–.10**	**10**		**34**	**6-15**
NAO	IX	25 01 42 29.4–1.0	71.56N	3.18W	10	2.9L		**¶621111111**
BER	IX	25 01 42 30.7–2.0	71.56N	3.39W	10	3.9W,2.9L		

ISC Event type ke.

NAO Event type se. Presumed earthquake.

BER Event type ke. Error ellipse: s-maj=12.0km s-min=36.0km az=-1.0. Confirmed Earthquake.

ISC	**IX**	**24 17 40 29.8–1.8**	**71.37N–.09**	**1.2W–.10**	**10**	**3.5b**	**51**	**6-44**
NAO	IX	24 17 40 21.2–.60	71.36N	3.39W	10	3.0L		**¶621109747**
IDC	IX	24 17 40 23.9–3.2	71.59N	2.78W	0	3.6,3.5b		
BER	IX	24 17 40 26.2–2.5	71.68N	2.68W	10	4.1W,3.0L		

ISC Event type ke.

NAO Event type se. Presumed earthquake.

IDC Error ellipse: s-maj=53.0km s-min=19.4km az=90.0.

BER Event type ke. Error ellipse: s-maj=10.7km s-min=49.3km az=-1.0. Confirmed Earthquake.

BER	**IX**	**19 08 08 09.4–1.2**	**71.94N**	**3.36W**	**15**	**4.0W**		
								¶626331902

BER Event type ke. Error ellipse: s-maj=82.3km s-min=75.6km az=-1.0. Confirmed Earthquake.

ISC	**X**	**10 04 52 06.9–1.4**	**70.64N–.06**	**6.71W–.05**	**16–10**	**3.4b,3.2s**	**85**	**1-65**
NAO	X	10 04 52 07.6–.80	70.66N	6.82W	10	3.9L,3.2s		**¶621144610**
IDC	X	10 04 52 07.8–.98	70.93N	6.65W	0	3.6,3.4b		
BER	X	10 04 52 10.1–3.5	70.81N	6.81W	24–27	3.9L,3.9L		
DNK	X	10 04 52 20.0–3.2	71.84N	7.59W	0–718	2.5L,3.9L		

ISC Event type ke.

NAO Event type se. Presumed earthquake.

IDC Error ellipse: s-maj=19.1km s-min=11.6km az=9.0.

BER Event type ke. Error ellipse: s-maj=13.8km s-min=32.0km az=-1.0. Confirmed Earthquake.

DNK Event type se. Error ellipse: s-maj=85.5km s-min=135.9km az=-1.0. Presumed earthquake.

ISC	**X**	**12 12 06 33.2–1.3**	**71.8N–.10**	**1.06W–.10**	**10**		**24**	**6-9**
NAO	X	12 12 06 35.2–.90	71.87N	1.40W	10	3.0L		**¶621149181**
BER	X	12 12 06 36.1–2.9	71.95N	1.52W	10	4.2W,3.0L		

ISC Event type ke.

NAO Event type se. Presumed earthquake.

BER Event type ke. Error ellipse: s-maj=14.1km s-min=39.7km az=-1.0. Confirmed Earthquake.

ISC	**X**	**18 05 43 41.4–.80**	**71.74N–.07**	**1.79W–.07**	**10**	**3.4b,3.1s**	**69**	**6-61**
IDC	X	18 05 43 43.6–1.8	71.88N	1.14W	0	3.8,3.6b		**¶621206665**
NAO	X	18 05 43 43.6–.60	71.85N	1.57W	10	3.5L,3.6b		
BER	X	18 05 43 43.9–2.3	71.82N	2.00W	10	4.6W,3.5L		
DNK	X	18 05 43 45.0–3.6	71.94N	2.78W	0–82	1.8L,3.5L		

ISC Event type ke.

IDC Error ellipse: s-maj=34.2km s-min=16.5km az=74.0.

NAO Event type se. Presumed earthquake.

BER Event type ke. Error ellipse: s-maj=8.0km s-min=28.9km az=-1.0. Confirmed Earthquake.

DNK Event type se. Error ellipse: s-maj=76.0km s-min=76.8km az=-1.0. Presumed earthquake.

ISC	**XI**	**22 21 28 17.3–1.3**	**71.9N–.10**	**1.6W–.10**	**10**		**34**	**6-9**
NAO	XI	22 21 28 20.0–.90	71.83N	1.19W	10	2.5L		**¶621480937**
BER	XI	22 21 28 20.1–2.8	71.85N	1.59W	10	4.0W		

ISC Event type ke.

NAO Event type se. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Presumed earthquake.

BER Event type ke. Error ellipse: s-maj=8.9km s-min=37.8km az=-1.0. Confirmed Earthquake.

BER	**X**	**12 17 42 57.9–3.3**	**71.94N**	**1.66W**	**10**	**3.9W**		
								¶626738514

BER Event type ke. Error ellipse: s-maj=28.9km s-min=76.5km az=-1.0. Confirmed Earthquake.

(640) Greenland Sea.

ISC	**VII**	**01 20 38 29.7–1.1**	**73.92N–.08**	**9.7E–.10**	**10**	**3.1b,2.9s**	**12**	**5-43**
IDC	VII	01 20 38 28.8–1.3	73.89N	8.95E	0	3.3,3.1b		**¶620927693**
KOGSR	VII	01 20 38 34.5	75.25N	15.55E	0	1.9L,3.1b		

ISC Event type se.

IDC Error ellipse: s-maj=24.3km s-min=13.7km az=77.0.

KOGSR Norwegian sea.

ISC	**VII**	**03 11 32 12.5–1.1**	**78.92N–.07**	**3.50E–.05**	**10**		**17**	**2-11**
BER	VII	03 11 32 17.7–2.4	78.96N	3.86E	10	3.6W		**¶626175271**
DNK	VII	03 11 32 19.2–2.3	78.91N	4.14E	36–19	1.8L		

ISC Event type ke.

BER Event type ke. Error ellipse: s-maj=10.4km s-min=27.6km az=-1.0. Confirmed Earthquake.

DNK Event type se. Error ellipse: s-maj=10.0km s-min=32.9km az=-1.0. Presumed earthquake.

BER	**VII**	**04 09 25 11.4–3.2**	**79.87N**	**7.03W**	**10**	**2.5W,1.3L**		
DNK	VII	04 09 25 13.6–2.3	79.88N	7.10W	37–999	1.3L,1.3L		**¶626175284**

BER Event type ke. Error ellipse: s-maj=11.8km s-min=60.6km az=-1.0. Confirmed Earthquake.

DNK Event type se. Error ellipse: s-maj=13.3km s-min=45.3km az=-1.0. Presumed earthquake.

ISC	**VII**	**04 23 23 33.9–.98**	**79.72N–.09**	**2.49E–.04**	**10**		**24**	**2-11**
BER	VII	04 23 23 39.7–2.4	79.86N	2.81E	28–58	3.1W,1.2L		**¶620754136**
DNK	VII	04 23 23 40.5–1.4	79.43N	2.99E	33–12	1.2L,1.2L		
KOGSR	VII	04 23 23 44.0	79.78N	6.19E	0	1.2L,1.2L		

ISC Event type ke.

BER Event type ke. Error ellipse: s-maj=17.4km s-min=31.9km az=-1.0. Confirmed Earthquake.

DNK Event type se. Error ellipse: s-maj=7.9km s-min=19.0km az=-1.0. Presumed earthquake.

KOGSR Greenland sea,Knipovich ridge, north.

BER	**VII**	**12 03 16 13.5–1.6**	**73.63N**	**4.51E**	**28**	**3.7W**		
								¶620845337

BER Event type ke. Error ellipse: s-maj=36.3km s-min=19.3km az=-1.0. Confirmed Earthquake.

ISC	**VII**	**12 05 43 54.5–.93**	**79.55N–.09**	**3.21E–.05**	**10**		**47**	**2-12**
NAO	VII	12 05 43 58.5–1.2	79.62N	4.35E	10	2.8L		**¶620805491**
BER	VII	12 05 43 58.3–2.7	79.53N	3.35E	10	3.7W,2.8L		
DNK	VII	12 05 43 59.6–3.2	79.61N	3.54E	36–27	1.9L,2.8L		

ISC Event type ke.

NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.

BER Event type ke. Error ellipse: s-maj=11.0km s-min=25.1km az=-1.0. Confirmed Earthquake.

DNK Event type se. Error ellipse: s-maj=16.2km s-min=45.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**15 18 43 30.4–3.2**	**75.98N–.04**	**7.67E–.06**	**14–22**	**3.3b,3.2s**	**68**	**2-73**
IDC	VII	15 18 43 30.5–1.0	76.09N	7.64E	0	3.5b,3.5		**¶625345383**
BER	VII	15 18 43 31.9–2.7	76.04N	7.36E	23–21	4.0W,2.4L		
NAO	VII	15 18 43 31.7–.10	76.07N	8.53E	10	3.2L,2.4L		
DNK	VII	15 18 43 33.8–1.9	76.22N	6.57E	34–25	2.4L,2.4L		
KOGSR	VII	15 18 43 37.5	75.76N	9.06E	0	2.0L,2.4L		

ISC Event type ke.

IDC Error ellipse: s-maj=19.0km s-min=12.8km az=83.0.

BER Event type ke. Error ellipse: s-maj=5.7km s-min=25.6km az=-1.0. Confirmed Earthquake.

DNK Event type se. Error ellipse: s-maj=25.1km s-min=72.3km az=-1.0. Presumed earthquake.

KOGSR Error ellipse: s-maj=106.9km s-min=52.7km az=30.0. Greenland sea,Knipovich ridge, south.

ISC	**VII**	**16 05 30 19.5–.83**	**79.60N–.06**	**3.56E–.05**	**10**		**63**	**2-12**
NAO	VII	16 05 30 21.0–.80	79.69N	3.62E	10	3.4L		**¶620831327**
BER	VII	16 05 30 22.4–3.2	79.64N	3.57E	10	4.3W,3.4L		
DNK	VII	16 05 30 23.9–3.4	79.54N	3.67E	36–25	2.6L,3.4L		
KOGSR	VII	16 05 30 23.7	79.40N	4.35E	0	2.9L,3.4L		
FCIAR	VII	16 05 30 25.0	79.66N	3.59E	10	2.9L,3.4L		

ISC Event type ke.

BER Event type ke. Error ellipse: s-maj=11.3km s-min=29.1km az=-1.0. Confirmed Earthquake.

DNK Event type se. Error ellipse: s-maj=13.4km s-min=46.8km az=-1.0. Presumed earthquake.

KOGSR Error ellipse: s-maj=27.2km s-min=8.1km az=10.0. Greenland sea,Knipovich ridge, north.

FCIAR station ZFI2 has station magnitude of 3.1.

ISC	**VII**	**17 04 56 37.5–.81**	**79.24N–.05**	**2.94E–.04**	**10**		**60**	**2-19**
NAO	VII	17 04 56 38.7–.80	79.42N	3.34E	10	3.5L		**¶620833046**
BER	VII	17 04 56 39.2–2.6	79.21N	2.94E	10	4.1W,3.5L		
DNK	VII	17 04 56 40.8–1.9	79.14N	3.27E	36–16	2.1L,3.5L		
FCIAR	VII	17 04 56 41.0	79.19N	3.13E	10	2.1L,3.5L		
KOGSR	VII	17 04 56 41.9	79.01N	4.32E	0	2.2L,3.5L		

ISC Event type ke.

NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.

BER Event type ke. Error ellipse: s-maj=9.3km s-min=23.4km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=10.3km s-min=25.2km az=-1.0. Presumed earthquake.
FCIAR station ZFI2 has station magnitude of 3.0.
KOGSR Error ellipse: s-maj=12.9km s-min=10.6km az=150.0. Greenland sea,Knipovich ridge, north.

ISC	**VII**	**23 04 05 38.6–.62**	**79.65N–.03**	**2.82E–.03**	**8–3**	**5.0s,4.9b**	**666**	**2-151**	
INMG	VII	23 04 05 25.0–6.6	81.84N	6.35E	10	5.0W,4.8s			**¶625345449**
GFZ	VII	23 04 05 37.3–.43	80N–6.0	3E–4.0	10	5.0b,4.9			
MOS	VII	23 04 05 37.3–1.3	79.55N	2.18E	10	5.1b,4.8s			
IDC	VII	23 04 05 37.9–.41	79.72N	3.06E	0	4.8s,4.4			
BER	VII	23 04 05 38.8–1.7	79.70N	3.41E	10	5.7W,4.4			
GFZ	VII	23 04 05 39.5	79.83N	2.66E	12	5.4W,4.4			
NEIC	VII	23 04 05 40.0–1.9	79.68N–.07	3.4E–.20	10–1	5.5,5.0			
DNK	VII	23 04 05 40.8–2.3	79.60N	3.76E	36–21	4.7b,3.3L			
KOGSR	VII	23 04 05 40.3	79.82N	5.76E	0	4.1L,3.3L			
IPGP	VII	23 04 05 40.0	79.69N	3.67E	16	5.6W,3.3L			
FCIAR	VII	23 04 05 40.0	79.71N	3.96E	10	5.6W,3.3L			
GCMT	VII	23 04 05 43.6–.10	79.65N–.01	3.30E–.02	14–0	5.5W,3.3L			
BGR	VII	23 04 06 10.3	77.20N	5.78E	10	4.5b,4.0s			

ISC Event type ke.
INMG Event type ke. #DIST_RANGE: DISTANT.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=25.7km s-min=5.1km az=94.3.
IDC Error ellipse: s-maj=9.7km s-min=8.4km az=47.0.
BER Event type ke. Error ellipse: s-maj=11.6km s-min=33.5km az=-1.0. Confirmed Earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04 $M_{\theta\theta}$-1.22 $M_{\phi\phi}$1.26 $M_{r\theta}$0.29 $M_{\theta\phi}$-0.45 $M_{\phi r}$0.22 NP1: ϕ_s305.69661°,δ75.19419°,λ-175.13633°. NP2:ϕ_s214.45093°,δ85.29818°,λ-14.85695°. Principal axes: T 1.3611,Plg7.0500°,Azm260.9257°; N 0.0190,Plg74.4328°,Azm17.2798° ; P -1.3800,Plg13.8074°,Azm169.1840° $M_0$1.37067×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.3km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DNK Event type se. Error ellipse: s-maj=12.7km s-min=33.0km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=36.4km s-min=6.4km az=40.0. Greenland sea,Knipovich ridge, north.
IPGP Moment Tensor Solution. NP1:ϕ_s222.00000°,δ79.00000°,λ10.00000°. NP2:ϕ_s130.00000° ,δ80.00000°,λ169.00000°.
FCIAR station ZFI2 has station magnitude of 4.5. station ADZR has station magnitude of 4.6. station LSH has station magnitude of 4.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107230405A. Moment Tensor Solution. s133,c244; s163,c344;Duration: 1⁋4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.02 $M_{\theta\theta}$-1.97±.03; $M_{\phi\phi}$2.08±.02; $M_{r\theta}$0.49±.05; $M_{\theta\phi}$-0.56±.02; $M_{\phi r}$-0.28±.04; Best double couple: NP1: ϕ_s217.00000°,δ75.00000°,λ-3.00000°. NP2:ϕ_s308.00000°,δ87.00000°,λ-165.00000°. Principal axes: T 2.2110,Plg9.0000°,Azm81.0000°; N -0.0560,Plg75.0000°,Azm317.0000° ; P -2.1480,Plg13.0000°,Azm173.0000° $M_0$2.17900×10^{17}

BGR Event type ke.

ISC	**VII**	**23 04 16 55.2–.74**	**78.86N–.05**	**1.34E–.03**	**10**		**33**	**2-11**	
BER	VII	23 04 17 06.7–2.9	79.71N	3.65E	10	3.5W			**¶620845288**
FCIAR	VII	23 04 17 10.0	79.58N	5.26E	10	3.5W			
KOGSR	VII	23 04 17 10.4	79.52N	5.22E	0	2.0L			

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=10.1km s-min=28.4km az=-1.0. Confirmed Earthquake.
FCIAR station ZFI2 has station magnitude of 3.1.
KOGSR Greenland sea,Knipovich ridge, north.

ISC	**VII**	**23 14 28 19.4–.68**	**79.68N–.06**	**3.63E–.05**	**10**	**4.5b,3.0s**	**79**	**2-42**	
NEIC	VII	23 14 28 18.1–2.1	79.7N–.10	2.9E–.40	10–2	4.5b,3.0s			**¶620967921**
NAO	VII	23 14 28 18.5–.90	79.71N	3.53E	10	3.5L,3.0s			
IDC	VII	23 14 28 19.6–1.3	79.84N	2.83E	0	4.7L,4.0			
BER	VII	23 14 28 20.8–3.2	79.76N	3.58E	10	4.1W,3.5L			
KOGSR	VII	23 14 28 22.4	80.18N	8.51E	0	2.8L,3.5L			
DNK	VII	23 14 28 22.5–3.1	79.62N	3.76E	36–23	2.6L,3.5L			
FCIAR	VII	23 14 28 23.0	79.62N	4.82E	10	2.6L,3.5L			

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=11.0km az=14.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=19.8km s-min=14.1km az=171.0.
BER Event type ke. Error ellipse: s-maj=8.5km s-min=28.0km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=28.5km s-min=6.5km az=70.0. Greenland sea.
DNK Event type se. Error ellipse: s-maj=13.2km s-min=44.5km az=-1.0. Presumed earthquake.
FCIAR station ZFI2 has station magnitude of 3.6.

ISC	**VIII**	**03 15 56 11.1–1.0**	**79.63N–.07**	**3.68E–.05**	**16**		**47**	**2-11**	
NAO	VIII	03 15 56 12.8–1.0	79.68N	4.08E	10	2.8L			**¶621086618**
BER	VIII	03 15 56 13.1–3.9	79.74N	3.72E	10	3.5W,2.8L			
DNK	VIII	03 15 56 14.8–3.1	79.67N	4.01E	36–49	1.8L,2.8L			
KOGSR	VIII	03 15 56 15.0	79.53N	5.14E	0	2.0L,2.8L			

ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=10.8km s-min=33.2km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=13.9km s-min=52.5km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=20.1km s-min=13.0km az=30.0. Greenland sea,Knipovich ridge, north.

ISC	**VII**	**23 05 56 04.9–.79**	**79.55N–.05**	**3.88E–.04**	**10**		**60**	**2-12**	
DNK	VII	23 05 56 06.3–4.3	79.54N	4.12E	10	1.9L			**¶620845344**
NAO	VII	23 05 56 07.7–.90	79.72N	4.31E	10	3.0L			
BER	VII	23 05 56 08.2–2.9	79.66N	3.98E	10	3.8W,3.0L			
FCIAR	VII	23 05 56 09.0	79.69N	4.49E	10	3.8W,3.0L			
KOGSR	VII	23 05 56 12.3	79.25N	5.28E	0	2.3L,3.0L			

ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=18.4km s-min=60.1km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=9.1km s-min=28.0km az=-1.0. Confirmed Earthquake.
FCIAR station ZFI2 has station magnitude of 3.0.
KOGSR Error ellipse: s-maj=20.6km s-min=6.4km az=10.0. Greenland sea,Knipovich ridge, north.

BER	**VII**	**28 09 29 46.4–1.2**	**75.78N**	**7.84E**	**25–56**	**3.6W**			**¶620857215**

BER Event type ke. Error ellipse: s-maj=14.2km s-min=94.9km az=-1.0. Confirmed Earthquake.

BER	**VIII**	**17 08 14 31.9–3.8**	**79.15N**	**9.05W**	**10**	**2.9W,1.2L**			
DNK	VIII	17 08 14 33.9–3.5	79.15N	9.10W	37–999	1.2L,1.2L			**¶626233089**

BER Event type ke. Error ellipse: s-maj=13.5km s-min=65.1km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=13.6km s-min=71.8km az=-1.0. Presumed earthquake.

ISC	**VIII**	**14 05 14 28.0–.82**	**74.05N–.05**	**9.41E–.07**	**10**	**3.0b**	**29**	**3-41**	
IDC	VIII	14 05 14 28.9–1.1	74.03N	8.93E	0	3.5,3.1b			**¶621013441**
BER	VIII	14 05 14 29.2–1.5	73.98N	9.31E	10	4.2W,3.1b			
KOGSR	VIII	14 05 14 35.0	73.83N	10.02E	0	2.0L,3.1b			

ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=14.0km az=70.0.
BER Event type ke. Error ellipse: s-maj=6.2km s-min=18.7km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=42.4km s-min=25.0km az=140.0. Norwegian sea.

ISC	**VIII**	**10 19 54 06.5–1.3**	**73.00N–.06**	**6.09E–.08**	**11**		**64**	**4-10**	
NAO	VIII	10 19 54 06.3–.60	73.05N	5.37E	10	2.8L			**¶621086625**
BER	VIII	10 19 54 09.1–3.2	73.04N	5.81E	10	4.0W,2.8L			
KOGSR	VIII	10 19 54 13.4	72.76N	6.79E	0	2.0L,2.8L			

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=5.2km s-min=22.1km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=36.4km s-min=20.5km az=120.0. Norwegian sea.

ISC	**VIII**	**15 14 44 25.5–1.5**	**73.81N–.07**	**9.13E–.10**	**10**		**18**	**3-7**	
BER	VIII	15 14 44 27.9–.96	73.70N	8.95E	15	3.7W			**¶620989829**
NAO	VIII	15 14 44 29.1–1.0	73.85N	9.55E	10	2.9L			

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=12.8km s-min=11.4km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.

BER	**VIII**	**20 08 26 33.6–2.2**	**79.87N**	**1.96E**	**10**	**3.3W,2.1L**			
DNK	VIII	20 08 26 35.5–2.6	79.81N	2.22E	34–19	2.1L,2.1L			**¶620998482**
KOGSR	VIII	20 08 26 38.5	80.12N	6.09E	0	1.9L,2.1L			

BER Event type ke. Error ellipse: s-maj=7.6km s-min=21.9km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=10.5km s-min=37.4km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=33.8km s-min=3.6km az=50.0. Greenland sea.

ISC	**VIII**	**22 00 48 08.4–.65**	**79.90N–.05**	**0.63E–.04**	**10**	**3.5b**	**115**	**2-43**	
DNK	VIII	22 00 48 09.4–3.0	79.95N	1.26E	16–27	2.7L			**¶621043040**
IDC	VIII	22 00 48 10.4–1.7	80.13N	0.28E	0	3.7,3.5b			
BER	VIII	22 00 48 11.7–2.9	80.05N	1.39E	10	4.3W,3.6L			
FCIAR	VIII	22 00 48 14.0	79.96N	1.14E	10	4.3W,3.6L			
KOGSR	VIII	22 00 48 14.5	79.89N	2.92E	0	2.8L,3.6L			

ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=12.1km s-min=46.3km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=25.1km s-min=15.9km az=145.0.
BER Event type ke. Error ellipse: s-maj=7.9km s-min=25.7km az=-1.0. Confirmed Earthquake.
FCIAR station ZFI2 has station magnitude of 3.2.
KOGSR Error ellipse: s-maj=9.8km s-min=3.4km az=160.0. Greenland sea,Knipovich ridge, north.

ISC	**VIII**	**20 08 16 02.5–.74**	**79.86N–.05**	**1.45E–.04**	**10**		**89**	**2-15**	
DNK	VIII	20 08 16 05.8–2.6	79.87N	1.91E	22–19	2.7L			**¶621105960**
NAO	VIII	20 08 16 06.3–1.1	79.95N	2.12E	10	3.5L			
BER	VIII	20 08 16 07.1–3.5	79.92N	1.93E	10	4.3W,3.5L			
FCIAR	VIII	20 08 16 10.0	80.11N	2.82E	10	4.3W,3.5L			
KOGSR	VIII	20 08 16 11.2	79.93N	4.82E	0	2.8L,3.5L			

ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=11.3km s-min=40.5km az=-1.0. Presumed earthquake.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=8.7km s-min=29.6km az=-1.0. Confirmed Earthquake.
FCIAR station ZFI2 has station magnitude of 3.1.
KOGSR Error ellipse: s-maj=42.3km s-min=9.1km az=40.0. Greenland sea,Knipovich ridge, north.

ISC	**VIII**	**20 14 01 34.9–.80**	**79.03N–.06**	**0.20W–.03**	**10**		**33**	**2-10**	
BER	VIII	20 14 01 46.1–3.3	79.87N	1.85E	10	3.5W,2.1L			**¶620999414**
DNK	VIII	20 14 01 48.1–2.4	79.80N	2.09E	36–38	2.1L,2.1L			
KOGSR	VIII	20 14 01 51.5	80.00N	5.47E	0	2.3L,2.1L			

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=11.4km s-min=31.7km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=10.2km s-min=40.1km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=37.7km s-min=12.7km az=50.0. Greenland sea.

ISC	**IX**	**01 22 13 55.0–1.5**	**73.25N–.06**	**7.8E–.10**	**10**		**30**	**3-7**	
NAO	IX	01 22 13 56.9–.90	73.33N	7.55E	10	2.6L			**¶621035612**
BER	IX	01 22 13 58.2–4.5	73.24N	7.37E	12–29	3.8W,2.6L			

ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=9.7km s-min=96.8km az=-1.0. Confirmed Earthquake.

ISC	**VIII**	**22 13 42 56.7–3.6**	**79.46N–.05**	**3.17E–.04**	**8–23**	**4.2b,3.3s**	**151**	**2-88**	
DNK	VIII	22 13 42 55.7–3.9	79.35N	3.25E	20–37	2.8L,3.3s			**¶620999552**
GFZ	VIII	22 13 42 55.7–.32	80N–5.0	3E–3.0	10	4.2,4.2b			
IDC	VIII	22 13 42 57.0–.69	79.45N	2.89E	0	3.8,3.7b			
NAO	VIII	22 13 42 56.4–1.1	79.55N	3.31E	10	3.7L,3.7b			
BER	VIII	22 13 42 57.4–3.4	79.47N	3.17E	10	4.3W,3.7L			
NEIC	VIII	22 13 42 57.5–2.0	79.55N–.09	3.1E–.40	10–1	4.5b,3.7L			
KOGSR	VIII	22 13 42 60.0	79.29N	4.56E	0	3.0L,3.7L			
FCIAR	VIII	22 13 43 00.0	79.47N	4.40E	10	3.0L,3.7L			

ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=20.9km s-min=53.4km az=-1.0. Presumed earthquake.
GFZ Error ellipse: s-maj=11.7km s-min=5.0km az=29.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=13.2km s-min=11.8km az=14.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=8.7km s-min=28.2km az=-1.0. Confirmed Earthquake.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.5km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KOGSR Error ellipse: s-maj=24.1km s-min=12.4km az=30.0. Greenland sea,Knipovich ridge, north.
FCIAR station ZFI2 has station magnitude of 3.2.

ISC	**IX**	**04 06 52 25.3–1.4**	**74.33N–.05**	**9.38E–.09**	**10**		**57**	**3-11**	
NAO	IX	04 06 52 28.5–.70	74.40N	9.53E	10	3.3L			**¶621039279**
BER	IX	04 06 52 30.0–1.9	74.40N	9.61E	10	4.4W,3.3L			
KOGSR	IX	04 06 52 33.8	74.15N	10.33E	0	2.0L,3.3L			

ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=4.5km s-min=27.7km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=76.6km s-min=55.9km az=170.0. Norwegian sea.

BER	**IX**	**09 13 53 09.0–3.6**	**79.47N**	**14.70W**	**10**	**3.4W,1.9L**			
DNK	IX	09 13 53 10.5–3.7	79.50N	14.93W	37–38	1.9L,1.9L			**¶626255662**

BER Event type ke. Error ellipse: s-maj=10.8km s-min=65.9km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=11.1km s-min=83.9km az=-1.0. Presumed earthquake.

ISC	**IX**	**14 02 31 56.9–.45**	**79.39N–.05**	**3.28E–.04**	**10**	**4.2b,3.4s**	**182**	**2-89**	
NAO	IX	14 02 31 55.7–1.0	79.75N	3.88E	10	3.8L,3.4s			**¶621072666**
IDC	IX	14 02 31 55.6–.72	79.74N	2.92E	0	4.0b,4.0			
BER	IX	14 02 31 56.1–3.8	79.72N	3.52E	10	4.3W,3.8L			
DNK	IX	14 02 31 57.0–2.6	79.60N	3.66E	31–22	2.8L,3.8L			
KOGSR	IX	14 02 32 00.7	79.16N	4.99E	0	3.0L,3.8L			
GFZ	IX	14 02 32 01.7–.39	79N–6.0	6E–4.0	10	4.2b,4.2b			
NEIC	IX	14 02 32 01.9–2.0	79.4N–.10	6.0E–.30	10–1	4.4b,4.2b			

ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Confirmed Earthquake.
DNK Event type se. Presumed earthquake.
KOGSR Greenland sea,Knipovich ridge, north.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**27 07 49 00.2–.76**	**78.73N–.05**	**4.92E–.04**	**10**		**58**	**1-12**	
KOGSR	IX	27 07 49 00.7	78.45N	5.23E	0	2.5L			**¶626689924**
NAO	IX	27 07 49 02.3–.70	78.71N	5.07E	10	3.4L			
BER	IX	27 07 49 03.6–3.0	78.71N	5.11E	10	4.1W,3.4L			
DNK	IX	27 07 49 05.6–3.3	78.66N	5.24E	36–24	2.4L,3.4L			
FCIAR	IX	27 07 49 06.0	78.78N	5.36E	10	2.4L,3.4L			

ISC Event type ke.
KOGSR Error ellipse: s-maj=25.1km s-min=6.5km az=40.0. Greenland sea,Knipovich ridge, middle.
NAO Event type se. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=8.9km s-min=24.3km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=14.6km s-min=42.0km az=-1.0. Presumed earthquake.
FCIAR station ZFI2 has station magnitude of 3.3. station OMEGA has station magnitude of 3.3.

ISC	**X**	**02 17 46 06.3–.92**	**75.29N–.06**	**0.90E–.05**	**10**		**43**	**4-12**	
NAO	X	02 17 46 07.7–.70	75.21N	1.09E	10	3.1L			**¶621412400**
BER	X	02 17 46 09.2–3.4	75.24N	1.13E	12–31	4.6W,3.1L			
DNK	X	02 17 46 10.4–3.8	75.14N	1.30E	36–32	2.5L,3.1L			

ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=9.2km s-min=31.9km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=19.6km s-min=68.6km az=-1.0. Presumed earthquake.

ISC	**X**	**17 20 37 01.2–.28**	**79.54N–.03**	**4.70E–.03**	**10**	**4.6b,3.8s**	**411**	**1-151**	
IDC	X	17 20 37 00.3–.45	79.55N	4.23E	0	4.2b,4.2			**¶625346058**
BJI	X	17 20 37 00.0	79.60N	4.40E	10	5.3b,4.7s			
BER	X	17 20 37 00.4–3.8	79.60N	4.39E	10	5.1W,4.7b			
NAO	X	17 20 37 00.8	79.71N	5.36E	10	4.3b,4.7b			
GCMT	X	17 20 37 01.8–.20	79.37N–.03	3.64E–.07	12	4.8W,4.7b			
GFZ	X	17 20 37 01.1–.34	80N–5.0	4E–4.0	10	6.0,5.9			
GFZ	X	17 20 37 02.3	79.54N	4.19E	10	4.8W,5.9			
DNK	X	17 20 37 02.4–4.5	79.53N	4.81E	35–34	2.8L,5.9			
NEIC	X	17 20 37 02.1–1.6	79.46N–.04	5.3E–.30	10–1	4.7b,5.9			
FCIAR	X	17 20 37 03.0	79.54N	4.71E	10	4.7b,5.9			
KOGSR	X	17 20 37 04.4	79.05N	6.12E	0	3.5L,5.9			
BGR	X	17 20 37 11.4	78.95N	4.50E	33	4.6b,5.9			

ISC Event type ke.
IDC Error ellipse: s-maj=11.4km s-min=10.0km az=90.0.
BER Event type ke. Error ellipse: s-maj=11.2km s-min=30.6km az=-1.0. Confirmed Earthquake.
NAO Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110172037A. Moment Tensor Solution. s33,c38; s104,c156; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.52±.05 $M_{\theta\theta}$-0.17±.05; $M_{\phi\phi}$1.69±.04; $M_{r\theta}$-1.18±.21; $M_{\theta\phi}$0.41±.04; $M_{\phi r}$0.03±.15; Best double couple: NP1:ϕ_s166.00000°,δ48.00000° ,λ-132.00000°. NP2:ϕ_s40.00000°,δ57.00000°,λ-53.00000°. Principal axes: T 1.7940,Plg5.0000°,Azm105.0000°; N 0.4240,Plg30.0000°,Azm197.0000° ; P -2.2190,Plg59.0000°,Azm7.0000° $M_0$2.00600×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.51 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$0.96 $M_{r\theta}$0.06 $M_{\theta\phi}$1.07 $M_{\phi r}$-0.06 NP1: ϕ_s155.64047°,δ89.76543°,λ177.16903°. NP2:ϕ_s245.65207°,δ87.16906°,λ0.23486°. Principal axes: T 1.3697,Plg2.1673°,Azm110.6115°; N 0.5160,Plg87.1593°,Azm330.9077° ; P -1.8857,Plg1.8354°,Azm200.6810° $M_0$1.68797×10^{16}
DNK Event type se. Error ellipse: s-maj=22.0km s-min=63.1km az=-1.0. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=4.4km az=302.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FCIAR station ZFI2 has station magnitude of 4.2. station OMEGA has station magnitude of 4.1.
KOGSR Error ellipse: s-maj=6.1km s-min=2.7km az=10.0. Greenland sea,Knipovich ridge, north.
BGR Event type se.

ISC	**X**	**03 16 57 31.0–1.1**	**79.59N–.06**	**3.61E–.05**	**10**		**52**	**2-11**
NAO	X	03 16 57 33.2–.80	79.73N	4.20E	10	2.3L		**¶621117488**
BER	X	03 16 57 34.4–2.9	79.57N	3.59E	10	3.3W,2.3L		
DNK	X	03 16 57 34.9–4.1	79.44N	4.04E	36–50	2.2L,2.3L		
FCIAR	X	03 16 57 37.0	79.68N	4.28E	10	2.2L,2.3L		
KOGSR	X	03 16 57 40.2	79.38N	6.24E	0	1.5L,2.3L		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=9.2km s-min=33.6km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=34.0km s-min=59.2km az=-1.0. Presumed earthquake.
FCIAR station ZFI2 has station magnitude of 3.0.
KOGSR Greenland sea,Knipovich ridge, north.

ISC	**X**	**07 19 59 32.9–2.1**	**73.16N–.10**	**7.6E–.10**	**10**		**23**	**5-7**
NAO	X	07 19 59 33.8–.70	73.25N	7.23E	10	2.4L		**¶621140950**
BER	X	07 19 59 36.5–2.1	73.28N	7.32E	26–71	3.8W,2.4L		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=10.7km s-min=60.6km az=-1.0. Confirmed Earthquake.

ISC	**X**	**08 06 00 07.1–.65**	**79.33N–.06**	**3.73E–.05**	**10**	**3.5b,3.3s**	**68**	**2-80**
NAO	X	08 06 00 06.9–1.0	79.43N	3.96E	10	3.6L,3.3s		**¶621140975**
BER	X	08 06 00 07.4–2.9	79.26N	3.46E	10	3.9W,3.6L		
DNK	X	08 06 00 08.9–4.9	79.23N	3.88E	34–35	1.8L,3.6L		
IDC	X	08 06 00 08.1–1.4	79.10N	3.26E	0	3.7,3.5b		
KOGSR	X	08 06 00 10.4	78.97N	4.90E	0	2.3L,3.5b		
FCIAR	X	08 06 00 10.0	79.24N	4.78E	10	2.3L,3.5b		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=8.7km s-min=24.1km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=19.6km s-min=62.9km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=32.8km s-min=19.1km az=19.0.
KOGSR Error ellipse: s-maj=15.3km s-min=3.4km az=130.0. Greenland sea,Knipovich ridge, north.
FCIAR station ZFI2 has station magnitude of 3.7. station OMEGA has station magnitude of 3.5.

ISC	**XI**	**04 07 48 48.4–3.1**	**79.07N–.07**	**4.53E–.06**	**1–20**	**3.6b,3.1s**	**77**	**1-65**
NAO	XI	04 07 48 47.7–.70	79.36N	3.89E	10	3.5L,3.1s		**¶621309698**
IDC	XI	04 07 48 48.5–1.4	79.22N	3.03E	0	4.0L,3.7		
BER	XI	04 07 48 48.1–2.7	79.20N	3.36E	10	4.2W,3.5L		
DNK	XI	04 07 48 49.8–2.6	79.16N	3.59E	36–22	2.2L,3.5L		
FCIAR	XI	04 07 48 50.0	78.81N	3.98E	10	2.2L,3.5L		
KOGSR	XI	04 07 48 51.1	78.90N	4.83E	0	2.7L,3.5L		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
IDC Error ellipse: s-maj=35.7km s-min=17.9km az=28.0.
BER Event type ke. Error ellipse: s-maj=7.0km s-min=20.5km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=11.1km s-min=35.0km az=-1.0. Presumed earthquake.
FCIAR station OMEGA has station magnitude of 3.6. station ZFI2 has station magnitude of 3.5.
KOGSR Error ellipse: s-maj=10.1km s-min=3.8km az=100.0. Greenland sea,Knipovich ridge, north.

ISC	**X**	**26 10 29 16.9–1.2**	**78.86N–.08**	**4.54E–.05**	**10**		**34**	**1-12**
BER	X	26 10 29 20.3–2.5	78.80N	4.69E	10	3.8W		**¶621241077**
KOGSR	X	26 10 29 22.3	78.61N	6.00E	0	1.9L		
FCIAR	X	26 10 29 24.0	78.74N	6.19E	10	1.9L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=9.6km s-min=30.9km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=11.6km s-min=8.2km az=170.0. Greenland sea,Knipovich ridge, middle,Knipovich ridge, north.
FCIAR station OMEGA has station magnitude of 3.1. station ZFI2 has station magnitude of 3.2.

ISC	**X**	**27 07 59 54.9–1.7**	**79.54N–.05**	**3.38E–.05**	**27–17**		**42**	**2-12**
BER	X	27 07 59 57.8–1.8	79.48N	3.73E	10	3.4W		**¶625047029**
KOGSR	X	27 07 59 58.5	79.28N	4.29E	0	2.5L		
DNK	X	27 07 59 58.5–2.5	78.45N	4.19E	30	1.8L		
FCIAR	X	27 08 00 03.0	80.17N	5.04E	10	1.8L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=7.3km s-min=48.1km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=20.0km s-min=14.8km az=170.0. Greenland sea,Knipovich ridge, north.
DNK Event type se. Error ellipse: s-maj=12.7km s-min=16.2km az=-1.0. Presumed earthquake.
FCIAR station OMEGA has station magnitude of 3.0. station OMEGA has station magnitude of 3.0. station ZFI2 has station magnitude of 2.9.

ISC	**X**	**20 23 34 08.0–.54**	**79.69N–.05**	**1.60E–.04**	**10**	**4.3b,3.1s**	**95**	**2-68**
NEIC	X	20 23 34 08.7–2.0	79.6N–.20	1.7E–.40	10–2	4.3b,3.1s		**¶621236974**
IDC	X	20 23 34 08.3–1.8	79.94N	1.30E	0	4.2b,4.2		
NAO	X	20 23 34 09.1–1.3	79.99N	2.12E	10	3.5L,4.2		
BER	X	20 23 34 09.1–2.7	79.89N	1.96E	10	4.0W,3.5L		
DNK	X	20 23 34 09.0–2.7	79.75N	2.09E	22–18	2.9L,3.5L		
FCIAR	X	20 23 34 11.0	79.66N	2.98E	10	2.9L,3.5L		
KOGSR	X	20 23 34 12.7	79.94N	4.70E	0	2.5L,3.5L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=10.9km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.6km s-min=17.6km az=142.0.
NAO Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=8.2km s-min=24.3km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=10.5km s-min=39.6km az=-1.0. Presumed earthquake.
FCIAR station ZFI2 has station magnitude of 3.3. station OMEGA has station magnitude of 3.3.
KOGSR Error ellipse: s-maj=41.1km s-min=10.0km az=30.0. Greenland sea,Knipovich ridge, north.

ISC	**X**	**20 23 51 14.6–.00**	**79.79N–.06**	**2.11E–.05**	**10**		**36**	**2-12**
BER	X	20 23 51 16.9–2.9	79.89N	2.03E	10	3.3W		**¶621236975**
FCIAR	X	20 23 51 18.0	79.61N	2.68E	10	3.3W		
DNK	X	20 23 51 18.5–2.6	79.81N	2.14E	36–23	2.0L		
KOGSR	X	20 23 51 20.4	80.17N	6.67E	0	1.9L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=9.9km s-min=28.8km az=-1.0. Confirmed Earthquake.
FCIAR station OMEGA has station magnitude of 3.2.
DNK Event type se. Error ellipse: s-maj=11.4km s-min=40.4km az=-1.0. Presumed earthquake.
KOGSR Greenland sea.

ISC	**X**	**24 18 07 11.7–1.3**	**79.6N–.10**	**3.74E–.06**	**10**		**32**	**2-12**
BER	X	24 18 07 14.8–2.5	79.65N	3.66E	10	3.8W		**¶621238542**
KOGSR	X	24 18 07 17.7	79.58N	5.48E	0	2.4L		
FCIAR	X	24 18 07 17.0	79.48N	4.87E	10	2.4L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=10.7km s-min=32.3km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=24.1km s-min=7.8km az=20.0. Greenland sea,Knipovich ridge, north.
FCIAR station OMEGA has station magnitude of 3.3. station ZFI2 has station magnitude of 3.3.

ISC	**XI**	**06 05 18 15.9–1.5**	**74.27N–.05**	**9.58E–.09**	**10**		**35**	**3-10**
BER	XI	06 05 18 20.0–2.5	74.35N	9.47E	10	4.2W,2.7L		**¶621613947**
NAO	XI	06 05 18 21.0–.70	74.42N	9.94E	10	2.7L,2.7L		
KOGSR	XI	06 05 18 31.1	73.93N	11.00E	0	1.9L,2.7L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=5.6km s-min=29.4km az=-1.0. Confirmed Earthquake.
NAO Event type se. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=135.8km s-min=64.7km az=10.0. Norwegian sea.

ISC	**XI**	**09 01 12 18.8–.86**	**73.84N–.04**	**9.55E–.07**	**10**		**72**	**3-41**
NAO	XI	09 01 12 20.4–.80	73.91N	9.22E	10	2.9L		**¶621385902**
BER	XI	09 01 12 20.1–3.0	73.86N	8.67E	10	4.0W,2.9L		
IDC	XI	09 01 12 21.0–2.1	73.85N	9.38E	0	3.4,3.2b		
KOGSR	XI	09 01 12 28.4	73.46N	10.71E	0	1.7L,3.2b		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=4.3km s-min=27.1km az=-1.0. Confirmed Earthquake.
IDC Error ellipse: s-maj=36.2km s-min=14.1km az=68.0.
KOGSR Error ellipse: s-maj=39.3km s-min=22.3km az=150.0. Norwegian sea.

BER	**XI**	**08 02 12 50.9–3.0**	**79.02N**	**3.43E**	**10**	**2.8W**		
DNK	XI	08 02 12 52.8–2.8	78.90N	3.69E	36–65	1.3L		**¶626741139**

BER Event type ke. Error ellipse: s-maj=15.7km s-min=29.3km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=16.2km s-min=39.7km az=-1.0. Presumed earthquake.

BER	**XII**	**13 01 18 50.6–3.1**	**79.64N**	**3.40E**	**10**	**3.1W,2.0L**		
DNK	XII	13 01 18 52.3–.59	79.50N	3.44E	36–999	1.7L,2.0L		**¶621629919**
NAO	XII	13 01 18 53.6–1.3	79.78N	5.47E	10	2.0L,2.0L		

BER Event type ke. Error ellipse: s-maj=13.2km s-min=38.5km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=5.9km s-min=25.9km az=-1.0. Presumed earthquake.
NAO Event type se. Presumed earthquake.

ISC	**XI**	**20 22 57 25.7–.89**	**79.83N–.06**	**1.93E–.04**	**10**		**57**	**2-15**
DNK	XI	20 22 57 25.8–2.0	79.78N	2.08E	8–19	2.6L		**¶621428004**
NAO	XI	20 22 57 27.5–1.0	79.92N	2.44E	10	3.2L		
BER	XI	20 22 57 28.0–3.0	79.89N	2.01E	10	3.8W,3.2L		
FCIAR	XI	20 22 57 31.0	79.90N	3.80E	10	3.8W,3.2L		
KOGSR	XI	20 22 57 33.5	79.86N	5.43E	0	2.6L,3.2L		

ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=8.5km s-min=31.3km az=-1.0. Presumed earthquake.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=9.3km s-min=27.4km az=-1.0. Confirmed Earthquake.
FCIAR station OMEGA has station magnitude of 3.1. station ZFI2 has station magnitude of 3.0.
KOGSR Error ellipse: s-maj=37.8km s-min=10.0km az=30.0. Greenland sea,Knipovich ridge, north.

ISC	**XII**	**09 13 02 44.8–.45**	**75.61N–.05**	**7.50E–.04**	**10**	**3.9b,3.3s**	**124**	**2-70**
NEIC	XII	09 13 02 44.7–2.2	75.44N–.07	7.4E–.30	10–1	4.4b,3.3s		**¶621627759**
IDC	XII	09 13 02 45.2–.74	75.56N	7.33E	0	3.8L,3.7		
NAO	XII	09 13 02 48.3–1.2	75.56N	8.91E	6–12	3.9L,3.7		
BER	XII	09 13 02 49.7–2.4	75.60N	8.64E	10	4.4W,3.9L		
DNK	XII	09 13 02 49.4–2.7	75.60N	6.96E	31–27	2.2L,3.9L		
KOGSR	XII	09 13 02 51.9	75.38N	9.31E	0	2.7L,3.9L		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=11.7km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.0km s-min=13.1km az=64.0.
NAO Event type se. Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=3.4km s-min=36.2km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=16.5km s-min=65.3km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=79.0km s-min=24.0km az=30.0. Knipovich ridge, south.

ISC	**XI**	**16 12 48 35.9–.93**	**79.68N–.07**	**4.07E–.05**	**10**		**51**	**2-12**
NAO	XI	16 12 48 39.4–.80	79.55N	3.95E	10	2.7L		**¶621414501**
BER	XI	16 12 48 39.4–2.6	79.53N	3.47E	10	3.6W,2.7L		
DNK	XI	16 12 48 40.8–3.1	79.65N	3.97E	36–26	1.9L,2.7L		
FCIAR	XI	16 12 48 42.0	79.19N	4.95E	10	1.9L,2.7L		
KOGSR	XI	16 12 48 43.7	79.48N	5.95E	0	2.1L,2.7L		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=11.1km s-min=30.8km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=14.9km s-min=51.2km az=-1.0. Presumed earthquake.
FCIAR station OMEGA has station magnitude of 3.0. station ZFI2 has station magnitude of 3.0.
KOGSR Error ellipse: s-maj=17.2km s-min=4.4km az=40.0. Greenland sea,Knipovich ridge, north.

ISC	**XI**	**19 07 02 46.9–.94**	**79.25N–.08**	**2.75E–.05**	**10**		**38**	**2-12**
BER	XI	19 07 02 49.7–2.8	79.13N	2.54E	10	3.8W		**¶625047296**
FCIAR	XI	19 07 02 51.0	79.44N	3.60E	10	3.8W		
DNK	XI	19 07 02 51.5–3.6	79.13N	2.82E	38–71	2.0L		
KOGSR	XI	19 07 02 52.8	79.14N	4.43E	0	2.2L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=8.8km s-min=24.0km az=-1.0. Confirmed Earthquake.
FCIAR station OMEGA has station magnitude of 3.1. station ZFI2 has station magnitude of 3.2.
DNK Event type se. Error ellipse: s-maj=18.3km s-min=53.5km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=21.5km s-min=10.2km az=10.0. Greenland sea,Knipovich ridge, north.

ISC	**XII**	**20 17 22 52.5–.53**	**79.50N–.04**	**3.70E–.03**	**12–3**	**4.6b,3.8s**	**481**	**2-151**
BJI	XII	20 17 22 49.4	79.60N	3.80E	5	5.5b,4.6s		**¶621685626**
MOS	XII	20 17 22 50.8–.99	79.47N	3.57E	10	4.8b,4.6s		
IDC	XII	20 17 22 51.2–.42	79.53N	4.14E	0	4.2b,4.2		
BER	XII	20 17 22 51.4–1.6	79.58N	4.45E	10	4.7W,4.1L		
NAO	XII	20 17 22 51.4–1.3	79.79N	5.64E	10	4.1L,4.1L		
NEIC	XII	20 17 22 52.4–2.1	79.57N–.06	4.2E–.40	10–1	4.9b,4.1L		
GCMT	XII	20 17 22 52.4–.30	79.41N–.04	3.7E–.10	16–1	4.7W,4.1L		
GFZ	XII	20 17 22 53.3–.14	80N–2.0	4E–3.0	10	6.2b,5.9		
FCIAR	XII	20 17 22 55.0	79.66N	5.36E	10	6.2b,5.9		
KOGSR	XII	20 17 23 02.9	79.64N	10.58E	0	,5.9		
DNK	XII	20 17 23 09.7–3.0	79.69N	6.02W	15	3.0L,5.9		

ISC Event type ke.
MOS Error ellipse: s-maj=30.0km s-min=4.8km az=93.2.
IDC Error ellipse: s-maj=12.0km s-min=8.5km az=37.0.
BER Event type ke. Error ellipse: s-maj=7.9km s-min=36.9km az=-1.0. Confirmed Earthquake.
NAO Event type se. Presumed earthquake.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.4km az=249.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112201722A. Moment Tensor Solution. s19,c20; s81,c113; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.45±.12 $M_{\theta\theta}$-0.06±.07; $M_{\phi\phi}$1.52±.08; $M_{r\theta}$-0.57±.28; $M_{\theta\phi}$0.35±.05; $M_{\phi r}$0.10±.20; Best double couple: NP1:ϕ_s173.00000°,δ48.00000° ,λ-118.00000°. NP2:ϕ_s31.00000°,δ49.00000°,λ-62.00000°. Principal axes: T 1.5950,Plg0.0000°,Azm102.0000°; N 0.0770,Plg21.0000°,Azm192.0000° ; P -1.6660,Plg69.0000°,Azm11.0000° $M_0$1.63000×10^{16}
GFZ Error ellipse: s-maj=6.1km s-min=4.5km az=57.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
FCIAR station OMEGA has station magnitude of 3.9. station ZFI2 has station magnitude of 3.9. station LSH has station magnitude of 3.5.
KOGSR Spitsbergen,Greenland sea.
DNK Event type se. Error ellipse: s-maj=14.3km s-min=232.7km az=-1.0. Presumed earthquake.

ISC	**XII**	**18 08 50 59.3–.93**	**79.10N–.04**	**2.07E–.03**	**10–5**	**4.5b,3.6s**	**356**	**3-121**
NAO	XII	18 08 50 58.9–.60	79.31N	2.75E	10	4.4L,3.6s		**¶621633481**
MOS	XII	18 08 50 58.2–1.1	78.99N	2.15E	10	4.7b,3.6s		
IDC	XII	18 08 50 59.4–.49	79.14N	2.12E	0	4.1b,4.1		
NEIC	XII	18 08 50 59.7–1.2	79.05N–.09	2.3E–.30	10–1	4.6b,4.1		
BER	XII	18 08 50 59.3–1.5	79.16N	2.62E	10	4.7W,4.4L		
KOGSR	XII	18 08 51 00.7	79.97N	7.11E	0	2.7L,4.4L		
FCIAR	XII	18 08 51 01.0	79.17N	2.38E	10	2.7L,4.4L		
GFZ	XII	18 08 51 01.4–.20	79N–4.0	1E–3.0	10	5.9b,5.5		
DNK	XII	18 08 51 04.9–2.2	79.26N	0.16W	19–53	3.0L,5.5		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
MOS Error ellipse: s-maj=30.6km s-min=5.7km az=95.6.
IDC Error ellipse: s-maj=14.2km s-min=9.5km az=28.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.4km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BER Event type ke. Error ellipse: s-maj=9.0km s-min=32.4km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=205.3km s-min=61.1km az=50.0. Greenland sea.
FCIAR station ZFI2 has station magnitude of 3.7. station OMEGA has station magnitude of 3.7. station LSH has station magnitude of 3.9.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
DNK Event type se. Error ellipse: s-maj=10.6km s-min=285.2km az=-1.0. Presumed earthquake.

ISC	**XII**	**27 03 37 05.8–.97**	**79.38N–.10**	**2.47E–.04**	**10**		**38**	**3-43**
NAO	XII	27 03 37 06.8–1.1	79.37N	3.10E	10	3.0L		**¶621655818**
IDC	XII	27 03 37 07.7–3.6	79.42N	2.36E	0	3.8,3.6b		
BER	XII	27 03 37 07.8–2.8	79.43N	2.96E	10	4.0W,3.0L		

ISC Event type ke.
NAO Event type se. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=47.3km s-min=40.4km az=27.0.
BER Event type ke. Error ellipse: s-maj=9.3km s-min=25.2km az=-1.0. Confirmed Earthquake.

(641) North of Svalbard.

ISC VII 01 00 31 13.5–.81 81.96N–.07 5.42W–.04 10 3.7b,3.0s 60 2-47
NEIC VII 01 00 31 13.8–.35 82.1N–.10 5.8W–.90 10–2 4.1b,3.0s **¶620673300**
IDC VII 01 00 31 14.1–5.3 83.48N 6.25E 0 3.9L,3.7
DNK VII 01 00 31 18.2–3.3 81.96N 5.09W 27–28 2.5L,3.7
BER VII 01 00 31 18.1–1.9 81.94N 5.56W 10 3.9W,3.6L
FCIAR VII 01 00 31 20.0 82.12N 5.46W 10 3.9W,3.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=8.5km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=132.9km s-min=53.3km az=61.0.
DNK Event type se. Error ellipse: s-maj=16.7km s-min=72.1km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=8.4km s-min=31.1km az=-1.0. Confirmed Earthquake.
FCIAR station ZFI2 has station magnitude of 3.2.
ISC VII 02 22 33 21.3–.56 84.16N–.06 0.58W–.05 10 3.5b 45 3-73
IDC VII 02 22 33 20.8–.77 84.30N 1.13W 0 3.7,3.6b **¶620779949**
DNK VII 02 22 33 21.8–2.8 84.16N 0.55W 10 2.0L,3.6b
BER VII 02 22 33 23.2–3.3 84.13N 0.26W 10 3.8W,2.0L
ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=13.3km az=54.0.
DNK Event type se. Error ellipse: s-maj=14.9km s-min=125.3km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=16.9km s-min=122.5km az=-1.0. Confirmed Earthquake.
BER VII 03 03 27 08.1–3.0 82.26N 5.06W 10 3.2W
DNK VII 03 03 27 08.3–1.8 82.38N 5.08W 36–18 1.5L **¶626175267**
BER Event type ke. Error ellipse: s-maj=24.0km s-min=53.8km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=17.0km s-min=50.8km az=-1.0. Presumed earthquake.
ISC VII 06 06 28 57.9–.62 85.91N–.06 28.03E–.10 10 4.0b,3.1s 45 6-70
IDC VII 06 06 28 57.2–.88 85.99N 32.17E 0 4.0L,3.7b **¶620928007**
NEIC VII 06 06 28 57.7–1.6 85.97N–.06 27E–2.0 10–1 4.1b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BER VII 07 22 53 13.0–2.9 82.29N 5.26W 10 2.7W,1.2L
DNK VII 07 22 53 14.1–1.7 82.45N 6.15W 37–37 1.2L,1.2L **¶626175389**
BER Event type ke. Error ellipse: s-maj=23.0km s-min=55.1km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=24.5km s-min=91.7km az=-1.0. Presumed earthquake.
ISC VII 09 09 38 26.5–2.2 80.00N–.04 0.45W–.04 10–14 4.5b,3.7s 280 3-152
NEIC VII 09 09 38 25.8–1.1 79.95N–.10 0.3E–.40 10–1 4.5b,3.7s **¶620784565**
DNK VII 09 09 38 25.5–3.9 80.14N 0.20E 20–31 3.2L,3.7s
IDC VII 09 09 38 26.6–.54 80.02N 0.43W 0 4.0b,4.0
GFZ VII 09 09 38 26.2–.28 80N–5.0 1W–3.0 10 4.9,4.8b
BER VII 09 09 38 27.9–2.6 80.29N 0.59E 10 4.7W,4.4L
GCMT VII 09 09 38 28.6–.30 80.09N–.02 0.60W–.08 18–1 4.7W,4.4L
FCIAR VII 09 09 38 30.0 80.15N 0.50E 10 4.7W,4.4L
KOGSR VII 09 09 38 33.4 80.49N 6.92E 0 3.1L,4.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=10.9km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DNK Event type se. Error ellipse: s-maj=13.0km s-min=58.5km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=16.5km s-min=9.3km az=39.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BER Event type ke. Error ellipse: s-maj=6.3km s-min=27.1km az=-1.0. Confirmed Earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107090938A. Moment Tensor Solution. s10,c11; s93,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.09 $M_{\theta\theta}$-1.04±.06; $M_{\phi\phi}$1.51±.08; $M_{r\theta}$0.39±.16; $M_{\theta\phi}$-0.54±.05; $M_{\phi r}$-0.23±.15; Best double couple: NP1:ϕ_s212.00000°,δ68.00000°,λ-11.00000°. NP2:ϕ_s306.00000°,δ80.00000°,λ-158.00000°. Principal axes: T 1.6610,Plg8.0000°,Azm78.0000°; N -0.3760,Plg65.0000°,Azm329.0000°; P -1.2900,Plg23.0000°,Azm171.0000° $M_0$1.47600×10^{16}
FCIAR station ZFI2 has station magnitude of 3.8.
KOGSR Error ellipse: s-maj=43.1km s-min=7.9km az=50.0. Greenland sea.
ISC VII 09 11 47 48.4–1.0 80.11N–.08 0.08E–.06 10 45 2-10
BER VII 09 11 47 51.0–2.7 80.14N 0.12W 10 3.7W,3.6L **¶620816263**
DNK VII 09 11 47 52.7–2.3 80.04N 0.01W 36–18 2.4L,3.6L
KOGSR VII 09 11 47 54.9 80.32N 3.53E 0 2.1L,3.6L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=8.9km s-min=27.1km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=8.6km s-min=35.3km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=13.2km s-min=2.7km az=140.0. Greenland sea,Knipovich ridge, north.
BER VII 13 06 18 53.4–2.7 81.11N 3.74W 10 2.8W,1.4L
DNK VII 13 06 18 54.0–1.1 81.17N 3.39W 36–11 1.4L,1.4L **¶626175531**
BER Event type ke. Error ellipse: s-maj=11.6km s-min=40.4km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=5.6km s-min=23.3km az=-1.0. Presumed earthquake.
BER VII 14 18 57 12.4–2.8 82.28N 5.54W 10 3.4W,1.4L
DNK VII 14 18 57 13.2–1.4 82.36N 5.70W 36–18 1.4L,1.4L **¶626175560**
BER Event type ke. Error ellipse: s-maj=22.9km s-min=54.5km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=16.3km s-min=36.2km az=-1.0. Presumed earthquake.
ISC VII 17 23 34 02.1–2.8 82.0N–.30 5.62W–.09 10 23 2-12
BER VII 17 23 34 02.4–3.4 82.32N 5.45W 10 3.7W,2.5L **¶620833483**
DNK VII 17 23 34 05.7–3.6 82.23N 5.42W 36–36 2.5L,2.5L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=37.3km s-min=76.9km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=30.7km s-min=92.7km az=-1.0. Presumed earthquake.
ISC VII 18 04 40 24.4–.84 81.85N–.08 4.89W–.04 10 3.3b,3.1s 43 2-44
IDC VII 18 04 40 23.6–2.8 81.98N 6.55W 0 3.6L,3.6 **¶620833492**
BER VII 18 04 40 26.5–3.3 81.98N 4.13W 10 3.8W,2.5L
DNK VII 18 04 40 27.7–1.9 81.98N 4.25W 30–18 2.5L,2.5L
FCIAR VII 18 04 40 31.0 81.72N 3.00W 10 2.5L,2.5L
ISC Event type ke.
IDC Error ellipse: s-maj=43.5km s-min=32.4km az=12.0.
BER Event type ke. Error ellipse: s-maj=17.3km s-min=55.6km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=11.6km s-min=45.4km az=-1.0. Presumed earthquake.
FCIAR station ZFI2 has station magnitude of 3.1.
BER VII 31 10 25 24.2–3.7 80.20N 6.84W 10 2.7W,1.3L
DNK VII 31 10 25 25.5–2.3 80.17N 6.97W 37–32 1.3L,1.3L **¶626175973**
BER Event type ke. Error ellipse: s-maj=21.6km s-min=72.8km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=16.1km s-min=59.8km az=-1.0. Presumed earthquake.
ISC VII 24 05 20 54.3–1.8 82.2N–.10 7.09W–.07 10 26 1-12
BER VII 24 05 20 54.0–2.2 82.49N 6.11W 10 3.8W,1.9L **¶626175806**
DNK VII 24 05 20 55.6–3.5 82.44N 5.39W 33–46 1.9L,1.9L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=9.8km s-min=39.8km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=22.2km s-min=164.7km az=-1.0. Presumed earthquake.
ISC VII 29 00 46 29.4–1.3 82.78N–.10 6.33W–.05 11 26 2-9
DNK VII 29 00 46 33.2–3.6 83.03N 5.28W 36–37 2.1L **¶620913661**
BER VII 29 00 46 35.8–2.4 82.70N 5.84W 10 3.5W,2.1L
ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=23.0km s-min=109.2km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=21.6km s-min=50.9km az=-1.0. Confirmed Earthquake.
BER VIII 08 18 06 36.9–.86 82.28N 33.71E 18–73 3.6W
KOGSR VIII 08 18 06 37.9 82.02N 31.97E 0 2.3L **¶620979639**
BER Event type ke. Error ellipse: s-maj=46.5km s-min=261.1km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=33.7km s-min=17.9km az=160.0. Arctic Ocean.
ISC VIII 07 13 30 39.2–2.4 82.4N–.20 5.97W–.05 10 15 2-7
BER VIII 07 13 30 39.3–3.1 82.62N 5.79W 10 3.6W **¶620976400**
DNK VIII 07 13 30 39.3–1.2 79.99N 12.61W 18–14 1.8L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=26.3km s-min=60.4km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=4.1km s-min=25.6km az=-1.0. Presumed earthquake.
ISC VII 31 00 43 41.3–2.4 80.01N–.04 0.03W–.03 8–15 4.6b,3.5s 305 2-152
IDC VII 31 00 43 40.8–.36 80.15N 0.22E 0 4.0b,4.0 **¶620923880**
NEIC VII 31 00 43 41.9–1.5 80.1N–.10 0.0E–.50 10–1 4.7b,4.0
BER VII 31 00 43 41.3–2.4 80.15N 0.61E 10 4.8W,3.8L
DNK VII 31 00 43 41.5–4.0 80.15N 0.63E 28–43 3.5L,3.8L
GFZ VII 31 00 43 43.8–.21 80N–4.0 1W–3.0 10 4.7b,4.7
KOGSR VII 31 00 43 44.5 80.24N 2.66E 0 3.4L,4.7
FCIAR VII 31 00 43 44.0 80.26N 1.48E 10 3.4L,4.7
ISC Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=7.6km az=27.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=14.4km az=28.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BER Event type ke. Error ellipse: s-maj=11.4km s-min=41.2km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=21.8km s-min=93.5km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
KOGSR Error ellipse: s-maj=29.7km s-min=10.6km az=40.0. Greenland sea,Knipovich ridge, north.
FCIAR station ZFI2 has station magnitude of 3.9.
ISC VIII 17 22 59 09.4–1.2 83.92N–.09 2.5E–.10 10 3.6b 13 6-72
IDC VIII 17 22 59 08.0–1.8 84.25N 1.24E 0 3.7b,3.6 **¶621030315**
ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=18.2km az=68.0.
BER VIII 16 09 32 10.2–2.4 81.48N 3.59W 26–31 3.3W
KOGSR VIII 16 09 32 13.3 81.90N 3.06E 0 2.0L **¶620990403**
BER Event type ke. Error ellipse: s-maj=16.4km s-min=44.6km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=57.5km s-min=16.9km az=80.0. Arctic Ocean.
BER VIII 19 22 11 49.3–3.9 81.96N 3.75W 10 2.5W,1.4L
DNK VIII 19 22 11 50.2–2.6 82.03N 3.79W 37–31 1.4L,1.4L **¶626233133**
BER Event type ke. Error ellipse: s-maj=26.3km s-min=65.9km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=23.6km s-min=69.5km az=-1.0. Presumed earthquake.
ISC VIII 23 09 36 00.8–1.3 84.66N–.10 4.39E–.07 10 30 4-16
FCIAR VIII 23 09 36 04.0 84.91N 4.55E 10 **¶621002157**
BER VIII 23 09 36 04.1–3.6 84.77N 3.40E 15–36 4.2W,3.2L
ISC Event type ke.
FCIAR station ZFI2 has station magnitude of 3.1.
BER Event type ke. Error ellipse: s-maj=32.8km s-min=297.0km az=-1.0. Confirmed Earthquake.
BER IX 01 13 55 23.5–2.4 80.28N 1.55W 10 3.1W,1.6L
DNK IX 01 13 55 25.8–3.9 80.26N 1.20W 36–32 1.6L,1.6L **¶621023955**
BER Event type ke. Error ellipse: s-maj=10.1km s-min=30.2km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=15.4km s-min=63.2km az=-1.0. Presumed earthquake.
ISC VIII 27 10 41 09.3–2.8 80.04N–.05 1.60W–.04 5–18 4.7s,4.3b 196 3-120
GFZ VIII 27 10 41 09.0–.30 80N–5.0 3W–3.0 10 4.5b,4.5 **¶621008937**
IDC VIII 27 10 41 09.9–.55 80.38N 0.97W 0 4.5s,3.9b
BER VIII 27 10 41 09.8–3.3 80.36N 1.03W 10 4.5W,4.1L
FCIAR VIII 27 10 41 11.0 80.33N 0.47W 10 4.5W,4.1L
NEIC VIII 27 10 41 11.6–1.1 80.2N–.20 0.9W–.60 10–1 4.4b,4.1L
DNK VIII 27 10 41 11.3–2.4 80.20N 1.11W 36–18 3.5L,4.1L
KOGSR VIII 27 10 41 12.4 80.54N 1.56E 0 3.0L,4.1L
ISC Event type ke.
GFZ Error ellipse: s-maj=10.8km s-min=5.6km az=11.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=15.6km s-min=10.4km az=38.0.
BER Event type ke. Error ellipse: s-maj=9.8km s-min=33.1km az=-1.0. Confirmed Earthquake.
FCIAR station ZFI2 has station magnitude of 3.5.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=14.8km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DNK Event type se. Error ellipse: s-maj=9.0km s-min=37.5km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=45.0km s-min=9.7km az=40.0. Greenland sea,Knipovich ridge, north.
ISC VIII 26 13 52 06.0–.93 80.97N–.07 3.79W–.05 10 24 2-9
BER VIII 26 13 52 11.3–2.2 81.04N 3.68W 15–23 3.5W,2.1L **¶621009645**
DNK VIII 26 13 52 11.7–1.8 81.00N 3.20W 36–15 2.1L,2.1L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=9.4km s-min=39.7km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=7.3km s-min=34.2km az=-1.0. Presumed earthquake.
ISC IX 11 05 25 20.1–1.7 82.1N–.10 5.95W–.05 10 24 2-8
BER IX 11 05 25 23.3–1.8 82.17N 5.82W 10 3.8W,2.9L **¶621072656**
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=13.8km s-min=32.1km az=-1.0. Confirmed Earthquake.
ISC IX 04 09 26 43.6–.99 81.30N–.08 4.14W–.04 10 35 2-11
DNK IX 04 09 26 48.1–3.8 81.46N 3.36W 26–30 2.1L **¶621039280**
BER IX 04 09 26 48.2–2.7 81.44N 3.80W 10 3.6W
KOGSR IX 04 09 26 50.2 81.28N 3.60W 0 2.0L
ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=16.8km s-min=76.8km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=12.6km s-min=38.8km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=86.6km s-min=12.5km az=40.0. Greenland sea,Knipovich ridge, north.
ISC IX 06 16 38 50.6–2.4 84.7N–.10 11.64E–.09 10 29 5-15
FCIAR IX 06 16 38 48.0 85.07N 11.22E 10 **¶621131642**
BER IX 06 16 38 49.0–3.9 84.94N 11.78E 0–151 4.0W,3.8L
ISC Event type ke.
FCIAR station ZFI2 has station magnitude of 3.3.
BER Event type ke. Error ellipse: s-maj=118.4km s-min=649.8km az=-1.0. Confirmed Earthquake.
ISC IX 06 17 31 23.6–.47 86.06N–.03 32.73E–.03 11–2 5.0b,4.6s 760 6-176
IDC IX 06 17 31 21.6–.35 86.13N 34.01E 0 4.5b,4.5 **¶621039301**
BJI IX 06 17 31 21.0 86.10N 33.30E 10 5.3b,5.1s
MOS IX 06 17 31 22.0–1.1 86.09N 33.02E 10 5.1b,4.6s
NEIC IX 06 17 31 23.4–1.9 86.06N–.08 33E–1.0 10–1 5.1b,4.6s
FCIAR IX 06 17 31 23.0 86.14N 36.67E 10 5.1b,4.6s
GFZ IX 06 17 31 24.4–.27 86N–3.0 32E–4.0 10 4.9b,4.9
GCMT IX 06 17 31 24.9–.10 86.09N–.01 33.68E–.09 12 5.3W,4.9
GFZ IX 06 17 31 24.7 86.14N 32.62E 10 5.2W,4.9
ISC Event type ke.
IDC Error ellipse: s-maj=8.0km s-min=7.1km az=47.0.
MOS Error ellipse: s-maj=72.5km s-min=3.3km az=90.1.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=13.7km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FCIAR station ZFI2 has station magnitude of 4.3.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109061731A. Moment Tensor Solution. s95,c155; s143,c313;Duration: 1ŝ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.09±.01 $M_{\theta\theta}$0.58±.01; $M_{\phi\phi}$0.51±.01; $M_{r\theta}$0.07±.04; $M_{\theta\phi}$0.77±.01; $M_{\phi r}$-0.11±.04; Best double couple: NP1: ϕ_s234.00000°,δ45.00000°,λ-78.00000°. NP2:ϕ_s38.00000°,δ46.00000°,λ-101.00000°. Principal axes: T 1.3160,Plg1.0000°,Azm136.0000°; N -0.2060,Plg8.0000°,Azm46.0000°; P -1.1090,Plg82.0000°,Azm231.0000° $M_0$1.21200×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-9.00 $M_{\theta\theta}$4.34 $M_{\phi\phi}$4.66 $M_{r\theta}$-2.09 $M_{\theta\phi}$5.00 $M_{\phi r}$-0.59 NP1: ϕ_s216.97101°,δ39.68483°,λ-100.90318°. NP2:ϕ_s51.02372°,δ51.16816°,λ-81.08016°. Principal axes: T 9.6960,Plg5.7844°,Azm134.6969°; N -0.3766,Plg6.9374°,Azm225.4031°; P -9.3194,Plg80.9492°,Azm5.2072° $M_0$9.51328×10^{16}
ISC IX 09 23 52 46.2–2.4 81.1N–.20 2.97W–.06 10 51 2-13
DNK IX 09 23 52 47.1–2.8 81.33N 2.57W 21–25 2.2L **¶621051049**
BER IX 09 23 52 47.5–3.4 81.35N 2.93W 10 3.9W,3.3L
FCIAR IX 09 23 52 48.0 81.17N 1.85W 10 3.9W,3.3L
KOGSR IX 09 23 52 50.3 81.61N 0.36E 0 2.5L,3.3L
ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=14.0km s-min=56.0km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=15.7km s-min=47.2km az=-1.0. Confirmed Earthquake.
FCIAR station ZFI2 has station magnitude of 3.5.
KOGSR Error ellipse: s-maj=54.7km s-min=18.0km az=50.0. Arctic Ocean.
ISC IX 03 22 28 26.2–1.4 81.8N–.10 5.68W–.05 10 22 2-9
BER IX 03 22 28 27.0–4.0 82.08N 4.94W 10 3.7W,2.3L **¶626255570**
DNK IX 03 22 28 28.1–1.9 82.12N 4.97W 36–21 2.3L,2.3L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=21.6km s-min=63.1km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=14.6km s-min=45.6km az=-1.0. Presumed earthquake.
ISC IX 02 14 05 46.7–.87 84.03N–.09 1.5E–.10 10 3.5b,3.0s 15 6-73
IDC IX 02 14 05 45.1–1.0 84.20N 0.13W 0 3.6b,3.6 **¶621080687**
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=15.7km az=62.0.
BER IX 14 20 17 34.8–3.2 81.75N 3.35W 10 2.8W,1.6L
DNK IX 14 20 17 35.7–1.3 81.81N 3.34W 36–15 1.6L,1.6L **¶626255717**
BER Event type ke. Error ellipse: s-maj=19.4km s-min=51.7km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=10.7km s-min=34.6km az=-1.0. Presumed earthquake.
BER IX 28 18 58 34.5–2.6 80.94N 2.38W 10 3.2W,2.6L
DNK IX 28 18 58 36.6–2.9 80.94N 2.17W 36–24 2.6L,2.6L **¶626255936**

BER Event type ke. Error ellipse: s-maj=11.9km s-min=33.8km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=12.0km s-min=55.7km az=-1.0. Presumed earthquake.
BER IX 25 23 38 46.9–3.0 81.73N 3.99W 10 2.7W,1.3L
DNK IX 25 23 38 49.0–1.7 81.58N 4.48W 36–999 1.3L,1.3L **¶626255897**
BER Event type ke. Error ellipse: s-maj=26.9km s-min=65.4km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=27.8km s-min=120.4km az=-1.0. Presumed earthquake.
BER IX 14 18 11 16.5–2.6 80.64N 2.70W 10 3.2W,2.5L
DNK IX 14 18 11 17.7–1.9 80.68N 2.57W 36–19 2.5L,2.5L **¶626255716**
BER Event type ke. Error ellipse: s-maj=12.0km s-min=38.6km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=9.3km s-min=36.7km az=-1.0. Presumed earthquake.
ISC IX 21 06 16 08.2–.94 80.65N–.07 3.22W–.04 10 27 2-11
BER IX 21 06 16 11.3–3.4 80.72N 3.04W 10 3.5W,2.4L **¶621105922**
DNK IX 21 06 16 12.9–2.4 80.72N 2.89W 36–19 2.4L,2.4L
KOGSR IX 21 06 16 13.6 81.09N 0.15W 0 2.2L,2.4L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=11.2km s-min=36.1km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=9.2km s-min=42.6km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=76.7km s-min=10.1km az=30.0. Greenland sea,Knipovich ridge, north.
ISC IX 27 02 52 22.4–.92 80.83N–.06 3.28W–.05 10 24 2-11
DNK IX 27 02 52 26.6–2.1 80.88N 2.40W 15 2.4L **¶626255913**
BER IX 27 02 52 27.9–1.9 80.87N 2.42W 10 4.0W,2.4L
ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=8.6km s-min=35.9km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=8.1km s-min=32.0km az=-1.0. Confirmed Earthquake.
BER X 19 23 16 38.5–2.6 80.73N 2.20W 10 2.6W
DNK X 19 23 16 41.3–2.0 80.69N 2.15W 36–45 1.7L **¶626739068**
BER Event type ke. Error ellipse: s-maj=21.6km s-min=52.4km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=32.0km s-min=49.9km az=-1.0. Presumed earthquake.
ISC X 02 14 56 02.5–1.6 81.3N–.30 3.8W–.10 11 17 2-8
BER X 02 14 56 06.4–2.1 81.51N 3.48W 26–31 3.6W,2.9L **¶621120377**
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=24.6km s-min=68.9km az=-1.0. Confirmed Earthquake.
BER X 05 20 06 29.4–.40 82.62N 6.12W 10 3.7W
¶626741018
BER Event type ke. Error ellipse: s-maj=6.5km s-min=11.0km az=-1.0. Confirmed Earthquake.
BER X 14 23 18 22.0–2.2 81.01N 3.49W 10 3.1W
DNK X 14 23 18 23.0–3.2 81.03N 2.98W 36–27 1.5L **¶626738545**
BER Event type ke. Error ellipse: s-maj=9.4km s-min=35.4km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=13.3km s-min=62.2km az=-1.0. Presumed earthquake.
ISC X 24 17 47 52.1–.32 86.20N–.04 34.51E–.05 10 4.6b,4.0s 208 6-111
BJI X 24 17 47 49.2 86.30N 35.80E 10 5.1b,4.7s **¶621238304**
NEIC X 24 17 47 51.9–2.2 86.26N–.07 35E–1.0 10–1 4.6b,4.7s
IDC X 24 17 47 51.4–.43 86.33N 36.98E 0 4.2b,4.2
GCMT X 24 17 47 53.2–.20 86.27N–.01 36.9E–.30 12 4.9W,4.2
GFZ X 24 17 47 53.4–.24 86N–4.0 35E–4.0 10 6.0b,5.6
FCIAR X 24 17 47 56.0 86.20N 38.30E 10 6.0b,5.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.6km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.4km s-min=9.5km az=88.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110241747A. Moment Tensor Solution. s34,c42; s127,c193; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.98±.06 $M_{\theta\theta}$2.32±.06; $M_{\phi\phi}$0.65±.06; $M_{r\theta}$0.04±.21; $M_{\theta\phi}$1.05±.05; $M_{\phi r}$-0.82±.25; Best double couple: NP1:ϕ_s257.00000°,δ43.00000°,λ-71.00000°. NP2:ϕ_s51.00000°,δ50.00000°,λ-107.00000°. Principal axes:
T 2.8440,Plg3.0000°,Azm153.0000°; N 0.3170,Plg13.0000°,Azm63.0000°
; P -3.1710,Plg77.0000°,Azm257.0000° $M_0$3.00800×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
FCIAR station OMEGA has station magnitude of 3.6.
BER X 30 18 47 45.9–3.0 80.74N 2.25W 10 3.4W
KOGSR X 30 18 47 48.7 81.10N 0.77E 0 1.4L **¶621244723**
DNK X 30 18 47 48.1–2.0 80.68N 2.25W 36–25 1.8L
BER Event type ke. Error ellipse: s-maj=11.3km s-min=34.3km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=54.7km s-min=14.3km az=50.0. Greenland sea,Knipovich ridge, north.
DNK Event type se. Error ellipse: s-maj=14.5km s-min=39.0km az=-1.0. Presumed earthquake.
ISC X 24 21 05 18.2–1.4 82.3N–.10 6.48W–.06 10 15 5-12
DNK X 24 21 05 20.9–2.9 82.51N 5.45W 23–37 2.1L **¶621239324**
BER X 24 21 05 22.7–2.9 82.35N 5.63W 10 3.8W
ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=19.8km s-min=79.2km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=23.3km s-min=80.5km az=-1.0. Confirmed Earthquake.
ISC X 28 12 03 51.8–2.6 83.3N–.20 0.93W–.07 10 23 3-7
BER X 28 12 03 51.5–3.2 83.55N 2.39W 10 3.5W **¶621244105**
FCIAR X 28 12 03 54.0 83.04N 1.48W 10 3.5W
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=23.2km s-min=82.5km az=-1.0. Confirmed Earthquake.
FCIAR station OMEGA has station magnitude of 3.1. station ZFI2 has station magnitude of 2.9.
BER XI 08 04 24 55.3–3.2 82.10N 7.14W 10 3.4W
DNK XI 08 04 24 49.7–2.6 82.92N 5.52W 36–27 1.7L **¶626741143**
BER Event type ke. Error ellipse: s-maj=56.1km s-min=84.1km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=16.9km s-min=77.8km az=-1.0. Presumed earthquake.
ISC XI 27 22 49 03.9–.32 85.43N–.04 14.18E–.04 10 4.8b,4.0s 292 5-116
IDC XI 27 22 49 03.5–.46 85.50N 15.27E 0 4.4L,4.3 **¶621480546**
NEIC XI 27 22 49 03.5–1.1 85.47N–.08 13E–1.0 10–1 4.9b,4.3
GFZ XI 27 22 49 05.6–.21 86N–4.0 13E–3.0 10 5.2b,5.1
GCMT XI 27 22 49 06.1–.20 85.32N–.02 14.2E–.20 12 4.9W,5.1
BGR XI 27 22 49 06.3 85.79N 13.34E 33 4.4b,5.1
KOGSR XI 27 22 49 07.0 85.36N 18.22E 0 2.4L,5.1
FCIAR XI 27 22 49 07.0 85.33N 16.30E 10 2.4L,5.1
BER XI 27 22 49 09.9–3.5 84.88N 15.83E 10 4.9b,4.7W
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=10.2km az=75.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=11.3km az=50.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111272249A. Moment Tensor Solution. s33,c40; s122,c191; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.34±.05 $M_{\theta\theta}$0.95±.05; $M_{\phi\phi}$1.39±.04; $M_{r\theta}$-1.11±.20; $M_{\theta\phi}$1.04±.04; $M_{\phi r}$-0.01±.19; Best double couple: NP1:ϕ_s204.00000°,δ38.00000°,λ-116.00000°. NP2:ϕ_s56.00000°,δ56.00000°,λ-71.00000°. Principal axes:
T 2.3470,Plg9.0000°,Azm133.0000°; N 0.3540,Plg16.0000°,Azm225.0000°
; P -2.7020,Plg71.0000°,Azm14.0000° $M_0$2.52500×10^{16}
BGR Event type ke.
KOGSR Error ellipse: s-maj=99.8km s-min=23.2km az=100.0. Arctic Ocean,Gakkel ridge.
FCIAR station OMEGA has station magnitude of 3.7. station ZFI2 has station magnitude of 3.7.
BER Event type se. Error ellipse: s-maj=12.5km s-min=197.8km az=-1.0. Presumed earthquake.
ISC XI 19 07 08 44.0–.52 85.84N–.05 25.11E–.06 10 4.1b,3.4s 63 6-81
IDC XI 19 07 08 42.0–.71 86.19N 25.14E 0 3.9L,3.7 **¶621416417**
NEIC XI 19 07 08 45.8–1.0 85.84N–.09 24E–2.0 10–1 4.2b,3.7
FCIAR XI 19 07 08 48.0 85.68N 28.73E 10 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=13.9km az=68.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=14.0km az=68.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FCIAR station OMEGA has station magnitude of 3.2. station ZFI2 has station magnitude of 3.3.
ISC XI 19 07 47 49.8–.81 80.59N–.06 2.34W–.04 10 49 2-11
BER XI 19 07 47 54.1–2.8 80.59N 2.46W 10 3.4W,3.1L **¶621427997**
DNK XI 19 07 47 54.8–2.8 80.62N 2.10W 28–21 2.1L,3.1L
FCIAR XI 19 07 47 57.0 80.66N 0.45W 10 2.1L,3.1L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=10.2km s-min=34.3km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=10.4km s-min=47.0km az=-1.0. Presumed earthquake.
FCIAR station ZFI2 has station magnitude of 3.2. station OMEGA has station magnitude of 3.2.
BER XI 09 11 50 56.1–2.6 81.77N 3.54W 10 2.7W
DNK XI 09 11 50 57.3–2.2 81.74N 4.14W 36–26 1.4L **¶621385903**
BER Event type ke. Error ellipse: s-maj=15.4km s-min=42.1km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=17.9km s-min=58.4km az=-1.0. Presumed earthquake.
ISC XI 21 23 03 23.7–.91 81.67N–.10 3.91W–.04 11 26 2-9
FCIAR XI 21 23 03 27.9 81.19N 4.20W 10 **¶625047324**
BER XI 21 23 03 28.2–3.0 81.48N 3.80W 10 2.9W
DNK XI 21 23 03 29.9–2.1 81.48N 3.64W 36–21 2.0L
ISC Event type ke.
FCIAR station OMEGA has station magnitude of 3.0. station ZFI2 has station magnitude of 2.9.
BER Event type ke. Error ellipse: s-maj=14.6km s-min=41.7km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=13.9km s-min=51.5km az=-1.0. Presumed earthquake.
ISC XI 10 20 39 30.7–.97 81.09N–.06 3.25W–.05 10 44 2-11
BER XI 10 20 39 36.8–3.4 81.14N 2.90W 24–34 4.0W **¶625047178**
KOGSR XI 10 20 39 37.2 81.15N 1.67W 0 1.9L
DNK XI 10 20 39 37.0–3.2 81.04N 2.64W 36–24 2.5L
FCIAR XI 10 20 39 38.0 81.46N 1.07W 10 2.5L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=15.7km s-min=42.0km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=78.3km s-min=32.3km az=40.0. Greenland sea,Knipovich ridge, north.
DNK Event type se. Error ellipse: s-maj=14.8km s-min=59.2km az=-1.0. Presumed earthquake.
FCIAR station ZFI2 has station magnitude of 3.1. station OMEGA has station magnitude of 3.2.
ISC XI 26 03 53 00.2–1.0 80.3N–.10 0.56W–.06 10 45 3-11
BER XI 26 03 53 02.7–2.6 80.21N 0.98W 10 3.6W,3.3L **¶621480942**
DNK XI 26 03 53 04.5–3.0 80.14N 0.64W 36–22 2.3L,3.3L
KOGSR XI 26 03 53 08.4 80.71N 4.61E 0 2.0L,3.3L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=8.6km s-min=25.5km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=10.9km s-min=46.3km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=50.5km s-min=12.9km az=60.0. Greenland sea.
BER XII 07 21 28 41.2–1.9 81.22N 3.67W 22–22 2.5W
DNK XII 07 21 28 40.8–1.4 81.23N 3.55W 36–15 1.2L **¶621622142**
BER Event type ke. Error ellipse: s-maj=11.5km s-min=34.2km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=8.2km s-min=31.0km az=-1.0. Presumed earthquake.
ISC XII 02 10 29 48.3–1.4 82.2N–.10 6.17W–.05 10 24 2-12
BER XII 02 10 29 50.0–1.9 82.44N 5.67W 10 3.7W **¶621611995**
DNK XII 02 10 29 51.2–4.2 82.42N 5.25W 25–56 1.9L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=12.8km s-min=38.2km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=33.8km s-min=202.9km az=-1.0. Presumed earthquake.
BER XII 07 19 50 03.5–2.7 80.26N 1.48W 10 2.8W
DNK XII 07 19 50 06.2–2.5 80.22N 1.21W 36–20 2.3L **¶621622141**
BER Event type ke. Error ellipse: s-maj=10.8km s-min=31.4km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=10.4km s-min=39.3km az=-1.0. Presumed earthquake.
ISC XII 14 10 20 50.5–.95 80.62N–.07 2.82W–.05 10 42 2-13
BER XII 14 10 20 53.9–3.0 80.81N 2.05W 10 3.8W,3.3L **¶621684451**
DNK XII 14 10 20 55.6–4.3 80.68N 2.18W 36–32 2.5L,3.3L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=13.9km s-min=48.7km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=18.7km s-min=74.4km az=-1.0. Presumed earthquake.

(642) Norwegian Sea.

ISC VII 01 18 58 58.6–1.1 73.84N–.07 10.3E–.10 10 3.0b 18 5-41
KOGSR VII 01 18 58 51.7 73.79N 8.55E 0 2.0L **¶620927687**
IDC VII 01 18 58 57.9–1.6 73.88N 9.24E 0 3.3L,3.3
ISC Event type se.
KOGSR Error ellipse: s-maj=35.9km s-min=25.7km az=140.0. Norwegian sea,Mohn ridge.
IDC Error ellipse: s-maj=27.0km s-min=13.8km az=85.0.
ISC VII 05 02 47 16.4–.75 72.35N–.06 2.43E–.06 10 3.4b,3.4s 108 4-62
IDC VII 05 02 47 16.9–.95 72.47N 2.39E 0 3.5,3.4b **¶620733786**
NAO VII 05 02 47 17.2–.40 72.46N 2.12E 10 3.3L,3.4b
BER VII 05 02 47 19.3–3.2 72.44N 2.20E 10 4.2W,3.3L
DNK VII 05 02 47 22.1–2.9 72.85N 0.80E 0–63 1.9L,3.3L
KOGSR VII 05 02 47 23.9 72.16N 3.33E 0 2.6L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=16.2km s-min=14.7km az=64.0.
BER Event type ke. Error ellipse: s-maj=6.1km s-min=18.4km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=34.5km s-min=97.5km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=25.7km s-min=16.1km az=90.0. Norwegian sea.
ISC VII 05 04 23 37.8–1.3 72.53N–.06 3.79E–.08 10 56 4-14
NAO VII 05 04 23 40.2–.60 72.63N 3.68E 10 2.8L **¶620754148**
IDC VII 05 04 23 41.0–2.4 72.64N 4.00E 0 3.2,2.6L
BER VII 05 04 23 41.3–2.8 72.64N 3.29E 23–32 3.7W,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=18.2km az=87.0.
BER Event type ke. Error ellipse: s-maj=7.7km s-min=26.2km az=-1.0. Confirmed Earthquake.
ISC VII 10 03 10 36.3–1.4 62.75N–.04 3.89E–.04 19–5 3.7b 193 1-72
DNK VII 10 03 10 31.7–1.8 63.06N 3.38E 15 2.8L **¶620787258**
IDC VII 10 03 10 35.2–.87 62.74N 3.83E 0 3.6,3.5b
NAO VII 10 03 10 37.5–.40 62.72N 3.93E 15 2.8L,3.5b
BER VII 10 03 10 38.5–3.6 62.75N 3.87E 15–6 2.8L,2.8L
BGS VII 10 03 10 39.7–.83 62.54N 3.51E 15–15 3.2L,2.8L
KOGSR VII 10 03 10 40.6 63.19N 3.61E 0 2.1L,2.8L
ISC Event type ke.
DNK Event type ke. Error ellipse: s-maj=19.4km s-min=46.0km az=-1.0. Confirmed Earthquake.
IDC Error ellipse: s-maj=15.2km s-min=9.8km az=22.0.
BER Event type ke. Error ellipse: s-maj=2.7km s-min=7.7km az=-1.0. Confirmed Earthquake.
BGS Error ellipse: s-maj=11.0km s-min=11.4km az=-1.0.
KOGSR Error ellipse: s-maj=94.1km s-min=47.7km az=130.0. Norwegian sea.
ISC VIII 05 08 11 49.0–3.1 72.7N–.10 12.6E–.10 10 66 3-9
NAO VIII 05 08 11 53.2–.50 72.67N 13.01E 10 2.6L **¶626339183**
BER VIII 05 08 11 55.7–2.8 72.69N 12.72E 26–15 2.6L,1.9L
KOGSR VIII 05 08 11 58.6 72.18N 13.51E 0 2.1L,1.9L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=3.2km s-min=23.6km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=65.4km s-min=48.9km az=10.0. Norwegian sea.
ISC VIII 03 02 43 06.0–1.4 72.67N–.08 4.44E–.09 10 42 4-14
NAO VIII 03 02 43 08.2–1.0 72.78N 4.47E 10 2.8L **¶621086617**
BER VIII 03 02 43 08.4–1.8 72.78N 4.03E 10 3.7W,2.8L
ISC Event type se.
BER Event type ke. Error ellipse: s-maj=7.1km s-min=18.7km az=-1.0. Confirmed Earthquake.
ISC VIII 10 00 38 22.5–.65 72.93N–.05 6.29E–.05 11 3.5b,2.9s 135 4-73
FCIAR VIII 10 00 38 21.0 72.95N 6.02E 10 3.5b,2.9s **¶620979398**
NAO VIII 10 00 38 21.9–.40 73.03N 5.67E 10 3.4L,2.9s
IDC VIII 10 00 38 22.0–.83 73.05N 5.72E 0 3.7b,3.7
BER VIII 10 00 38 23.0–3.6 73.00N 5.60E 10 4.3W,3.4L
KOGSR VIII 10 00 38 25.8 72.88N 6.72E 0 2.5L,3.4L
ISC Event type ke.
FCIAR station HOPEN has station magnitude of 3.3.
IDC Error ellipse: s-maj=15.6km s-min=12.6km az=37.0.
BER Event type ke. Error ellipse: s-maj=5.4km s-min=21.3km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=23.8km s-min=19.0km az=150.0. Norwegian sea.
BER IX 05 23 02 03.0–1.4 71.49N 0.77E 10 3.6W
¶621039535
BER Event type ke. Error ellipse: s-maj=68.5km s-min=386.6km az=-1.0. Confirmed Earthquake.
ISC X 13 15 59 16.8–2.0 73.0N–.10 6.5E–.20 10 13 5-14
BER X 13 15 59 04.7–.89 73.65N 2.75E 15 4.4W **¶621238984**
IDC X 13 15 59 16.9–2.2 72.98N 5.92E 0 3.4,2.8L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=55.2km s-min=33.9km az=-1.0. Confirmed Earthquake.
IDC Error ellipse: s-maj=32.6km s-min=17.3km az=85.0.
ISC IX 13 06 15 36.7–.29 74.13N–.03 10.82E–.04 10 4.7b,4.1s 644 2-146
IDC IX 13 06 15 35.9–.42 74.10N 10.46E 0 4.3b,4.3 **¶621070949**
NEIC IX 13 06 15 36.8–.72 74.18N–.08 10.7E–.30 10–1 4.8b,4.3
MOS IX 13 06 15 36.5–1.3 74.18N 10.57E 17 4.7b,4.3
NAO IX 13 06 15 36.1–.40 74.14N 10.94E 10 4.4L,4.3
BER IX 13 06 15 36.9–3.3 74.14N 10.83E 10 4.9W,4.8b
GFZ IX 13 06 15 37.9–.30 74N–3.0 11E–4.0 10 4.5b,4.5
FCIAR IX 13 06 15 37.0 74.23N 11.54E 10 4.5b,4.5
KOGSR IX 13 06 15 38.8 73.90N 11.49E 0 3.0L,4.5
DNK IX 13 06 15 40.1–2.4 74.42N 9.53E 4–70 2.4L,4.5
BGR IX 13 06 15 47.5 73.35N 7.29E 33 4.6b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=8.3km az=69.0.

NEIC Event type se. Error ellipse: s-maj=15.4km s-min=13.3km az=272.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=22.0km s-min=4.2km az=95.5.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=3.3km s-min=19.4km az=-1.0. Confirmed Earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
FCIAR station LSH has station magnitude of 3.6. station KLMR has station magnitude of 3.7.
KOGSR Error ellipse: s-maj=21.6km s-min=17.4km az=170.0. Norwegian sea.
DNK Event type se. Error ellipse: s-maj=47.2km s-min=131.9km az=-1.0. Presumed earthquake.
BGR Event type ke.

ISC	**XI**	**17 17 29 15.5–1.9**	**72.76N–.09**	**5.9E–.10**	**10**		**35**	**5-36**
IDC	XI	17 17 29 13.9–2.3	72.96N	5.29E	0	3.6,3.4b		**¶621494221**
BER	XI	17 17 29 16.8–2.1	72.82N	5.22E	10	4.0W,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=19.5km az=83.0.
BER Event type ke. Error ellipse: s-maj=7.0km s-min=32.0km az=-1.0. Confirmed Earthquake.

ISC	**X**	**20 17 22 44.1–3.3**	**72.70N–.10**	**6.0E–.20**	**10**		**45**	**4-13**
NAO	X	20 17 22 43.1–1.0	72.88N	5.35E	10	2.7L		**¶621236110**
BER	X	20 17 22 48.0–4.0	72.70N	6.36E	10	3.8W,2.7L		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=10.8km s-min=70.3km az=-1.0. Confirmed Earthquake.

IDC	**XI**	**16 09 56 34.0–400**	**72.20N**	**14.27E**	**0**			
								¶621475675

IDC Error ellipse: s-maj=156.8km s-min=80.8km az=150.0.

BER	**XII**	**09 16 26 26.2–.87**	**72.04N**	**2.20E**	**10**	**4.2W**		
KOGSR	XII	09 16 26 41.9	67.27N	2.61E	0			**¶621658080**

BER Event type ke. Error ellipse: s-maj=9.3km s-min=66.2km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=83.3km s-min=51.6km az=170.0. Norwegian sea.

ISC	**XII**	**05 09 54 43.3–1.5**	**72.0N–.10**	**0.1E–.10**	**10**		**31**	**6-12**
NAO	XII	05 09 54 47.2–.90	71.97N	0.18E	10	2.7L		**¶621613011**
BER	XII	05 09 54 49.2–2.4	72.03N	0.34E	10	4.2W,2.7L		
KOGSR	XII	05 09 54 56.2	69.28N	1.79W	0	,2.7L		

ISC Event type ke.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=12.0km s-min=50.5km az=-1.0. Confirmed Earthquake.
KOGSR Norwegian sea.

ISC	**XII**	**23 06 04 32.9–.97**	**62.29N–.05**	**2.20E–.04**	**10**		**164**	**2-47**
IDC	XII	23 06 04 32.4–1.4	62.50N	1.91E	0	3.3,2.9L		**¶621686808**
DNK	XII	23 06 04 33.2–2.9	62.33N	2.41E	0–136	2.4L,2.9L		
BGS	XII	23 06 04 35.6–.92	62.27N	2.13E	10–17	2.7L,2.9L		
NAO	XII	23 06 04 35.6–.30	62.21N	2.29E	3–4	2.2L,2.9L		
BER	XII	23 06 04 36.7–1.7	62.36N	2.12E	20–7	2.7L,2.0L		
KOGSR	XII	23 06 04 40.3	62.87N	2.25E	0	,2.0L		

ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=13.5km az=136.0.
DNK Event type se. Error ellipse: s-maj=71.4km s-min=261.3km az=-1.0. Presumed earthquake.
BGS Event type se. Error ellipse: s-maj=16.2km s-min=7.7km az=-1.0. Presumed earthquake.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=3.5km s-min=6.9km az=-1.0. Confirmed Earthquake.
KOGSR Norwegian sea.

(643) Svalbard region.

ISC	**VII**	**01 23 21 08.8–1.2**	**76.69N–.06**	**7.01E–.04**	**10**		**21**	**2-9**
BER	VII	01 23 21 17.3–2.8	76.67N	7.25E	10	3.6W,1.3L		**¶626245286**
FCIAR	VII	01 23 21 20.0	76.77N	8.06E	10	3.6W,1.3L		
DNK	VII	01 23 21 21.6–3.6	76.92N	6.85E	36–59	1.3L,1.3L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=13.8km s-min=30.1km az=-1.0. Confirmed Earthquake.
FCIAR station ZFI2 has station magnitude of 3.3.
DNK Event type se. Error ellipse: s-maj=24.0km s-min=88.6km az=-1.0. Presumed earthquake.

ISC	**VII**	**10 12 19 01.2–.91**	**76.66N–.06**	**7.32E–.05**	**10**		**38**	**2-9**
DNK	VII	10 12 19 00.7–2.4	76.46N	7.30E	8–45			**¶620802611**
BER	VII	10 12 19 03.9–2.5	76.71N	7.35E	10	4.0W,2.6L		
NAO	VII	10 12 19 03.3–.80	76.72N	7.49E	10	2.6L,2.6L		
KOGSR	VII	10 12 19 06.9	76.95N	9.21E	0	2.4L,2.6L		

ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=25.4km s-min=117.7km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=9.1km s-min=21.2km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=11.2km s-min=6.1km az=40.0. Greenland sea.

ISC	**VII**	**13 01 57 11.7–1.7**	**76.46N–.04**	**7.51E–.05**	**14–12**		**45**	**2-9**
NAO	VII	13 01 57 18.1–.60	76.60N	7.86E	10	2.5L		**¶620823831**
BER	VII	13 01 57 18.2–4.5	76.64N	7.63E	10	3.6W,2.5L		
KOGSR	VII	13 01 57 22.4	76.95N	9.59E	0	2.0L,2.5L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=8.8km s-min=36.6km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=10.0km s-min=5.0km az=30.0. Greenland sea.

BER	**VII**	**19 18 48 01.0–2.8**	**77.01N**	**19.03E**	**16–7**	**3.0L,2.8L**		
KOGSR	VII	19 18 47 57.0	76.99N	19.02E	0	2.4L,2.8L		**¶625345410**
NAO	VII	19 18 47 58.7–.30	76.98N	19.16E	10	3.0L,2.8L		

BER Event type ke. Error ellipse: s-maj=3.6km s-min=23.3km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=6.6km s-min=3.1km az=130.0. Storfjorden zone.

ISC	**VII**	**22 02 38 48.3–.95**	**78.61N–.04**	**12.25E–.05**	**17–8**		**46**	**0-10**
KOGSR	VII	22 02 38 45.2	78.55N	11.45E	0	2.8L		**¶620845130**
FCIAR	VII	22 02 38 49.3	78.58N	12.84E	10	2.8L		
NAO	VII	22 02 38 49.1–.70	78.63N	12.38E	10	3.2L		
BER	VII	22 02 38 49.3–2.5	78.61N	12.21E	6–7	3.2L,2.7L		

ISC Event type ke.
KOGSR Error ellipse: s-maj=6.6km s-min=2.7km az=80.0. Spitsbergen,Greenland sea.
FCIAR station ZFI2 has station magnitude of 3.2.
NAO Error ellipse: s-maj=0.1km s-min=1.3km az=-1.0.
BER Event type ke. Error ellipse: s-maj=4.8km s-min=33.2km az=-1.0. Confirmed Earthquake.

ISC	**VII**	**23 02 16 51.2–1.8**	**79.25N–.07**	**16.08E–.06**	**15–10**		**51**	**1-40**
KOGSR	VII	23 02 16 46.8	79.40N	16.28E	0	2.9L		**¶625345447**
BER	VII	23 02 16 48.6–3.0	79.41N	16.64E	0–7	3.2L,3.0L		
NAO	VII	23 02 16 49.7–6.2	79.37N	15.93E	20	3.2L,3.0L		
IDC	VII	23 02 16 53.1–2.7	79.10N	17.63E	0	3.6,3.3b		

ISC Event type ke.
KOGSR Error ellipse: s-maj=6.2km s-min=3.0km az=20.0. Spitsbergen.
BER Event type ke. Error ellipse: s-maj=5.2km s-min=35.2km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=25.6km s-min=19.6km az=150.0.

ISC	**VII**	**23 06 04 05.0–3.5**	**79.75N–.08**	**6.0E–.20**	**10**		**34**	**1-8**
NAO	VII	23 06 04 02.8–1.5	79.91N	5.17E	10	2.5L		**¶620845345**
DNK	VII	23 06 04 03.5–.52	80.35N	0.01W	18	2.5L		
BER	VII	23 06 04 05.3–1.9	79.69N	4.89E	10	3.2W		
FCIAR	VII	23 06 04 06.0	79.62N	5.22E	10	3.2W		

ISC Event type ke.
NAO Error ellipse: s-maj=0.4km s-min=0.1km az=-1.0.
DNK Event type se. Error ellipse: s-maj=16.7km s-min=62.2km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=9.5km s-min=82.6km az=-1.0. Confirmed Earthquake.
FCIAR station ZFI2 has station magnitude of 3.2.

BER	**VII**	**28 12 41 48.3–3.2**	**77.25N**	**17.99E**	**21–10**	**2.9L,2.4L**		
KOGSR	VII	28 12 41 43.4	77.27N	18.74E	0	2.4L,2.4L		**¶625345478**
NAO	VII	28 12 41 46.0–.10	77.25N	18.24E	7–6	2.9L,2.4L		

BER Event type ke. Error ellipse: s-maj=4.6km s-min=35.3km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=6.0km s-min=2.2km az=110.0. Storfjorden zone.

ISC	**VII**	**28 18 32 52.8–.79**	**77.02N–.03**	**19.27E–.04**	**10**		**61**	**1-11**
NAO	VII	28 18 32 53.1–.50	76.97N	19.12E	10	3.4L		**¶625345480**
KOGSR	VII	28 18 32 53.7	77.00N	18.68E	0	3.1L		
FCIAR	VII	28 18 32 54.0	76.96N	18.89E	10	3.1L		
BER	VII	28 18 32 56.1–2.9	76.98N	18.80E	16–8	3.4L,3.0L		

ISC Event type ke.
KOGSR Error ellipse: s-maj=7.0km s-min=3.1km az=130.0. Storfjorden zone.
FCIAR station ZFI2 has station magnitude of 3.0.
BER Event type ke. Error ellipse: s-maj=3.9km s-min=31.4km az=-1.0. Confirmed Earthquake.

ISC	**VIII**	**14 01 14 55.1–2.5**	**78.89N–.08**	**5.05E–.07**	**11–14**		**32**	**1-12**
BER	VIII	14 01 14 56.2–3.4	78.97N	4.10E	10	3.9W,2.0L		**¶625043724**
DNK	VIII	14 01 14 57.1–3.0	78.84N	4.33E	36–23	2.0L,2.0L		
FCIAR	VIII	14 01 14 59.0	79.04N	5.14E	10	2.0L,2.0L		
KOGSR	VIII	14 01 14 59.1	78.72N	5.80E	0	2.5L,2.0L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=8.6km s-min=26.4km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=13.3km s-min=37.7km az=-1.0. Presumed earthquake.
FCIAR station ZFI2 has station magnitude of 3.0.
KOGSR Error ellipse: s-maj=4.6km s-min=0.6km az=20.0. Greenland sea,Knipovich ridge, middle,Knipovich ridge, north.

ISC	**VIII**	**04 16 28 47.8–1.0**	**76.99N–.03**	**19.09E–.03**	**28–10**	**3.1b**	**131**	**1-39**
KOGSR	VIII	04 16 28 44.8	76.93N	19.06E	0	3.9L		**¶625345539**
IDC	VIII	04 16 28 46.1–1.1	76.96N	19.04E	0	3.3,3.2b		
NAO	VIII	04 16 28 47.0–.40	77.02N	19.17E	10	3.7L,3.2b		
FCIAR	VIII	04 16 28 49.0	77.11N	19.77E	10	3.7L,3.2b		
BER	VIII	04 16 28 50.0–3.2	76.99N	18.81E	18–9	3.7L,3.7L		

ISC Event type ke.
KOGSR Error ellipse: s-maj=8.2km s-min=4.3km az=130.0. Storfjorden zone.
IDC Error ellipse: s-maj=33.8km s-min=13.3km az=72.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
FCIAR station ZFI2 has station magnitude of 3.1. station LSH has station magnitude of 3.6.
BER Event type ke. Error ellipse: s-maj=4.0km s-min=34.4km az=-1.0. Confirmed Earthquake.

ISC	**VIII**	**01 20 31 47.4–1.3**	**77.23N–.03**	**18.41E–.05**	**5–12**		**58**	**1-9**
KOGSR	VIII	01 20 31 47.4	77.24N	18.08E	0	2.8L		**¶625345515**
FCIAR	VIII	01 20 31 49.0	77.28N	18.22E	10	2.8L		
NAO	VIII	01 20 31 50.5–.50	77.27N	17.95E	10	2.9L		
BER	VIII	01 20 31 51.3–2.4	77.28N	17.89E	15	2.4L		

ISC Event type ke.
KOGSR Error ellipse: s-maj=6.5km s-min=2.5km az=110.0. Spitsbergen,Barentz Sea.
FCIAR station ZFI2 has station magnitude of 3.0.
BER Event type ke. Error ellipse: s-maj=3.3km s-min=25.9km az=-1.0. Confirmed Earthquake.

ISC	**VII**	**30 19 53 54.9–1.3**	**77.22N–.04**	**17.96E–.06**	**28–13**		**49**	**1-11**
NAO	VII	30 19 53 53.4–.10	77.39N	17.98E	10	3.1L		**¶625345500**
KOGSR	VII	30 19 53 53.2	77.25N	18.09E	0	2.5L		
BER	VII	30 19 53 56.8–2.8	77.28N	17.91E	16–8	3.1L,2.7L		

ISC Event type ke.
KOGSR Error ellipse: s-maj=6.8km s-min=3.2km az=100.0. Spitsbergen,Barentz Sea.
BER Event type ke. Error ellipse: s-maj=3.6km s-min=29.9km az=-1.0. Confirmed Earthquake.

ISC	**VIII**	**17 12 32 02.1–.85**	**78.29N–.05**	**6.86E–.04**	**14**		**57**	**1-12**
NAO	VIII	17 12 32 03.8–.90	78.36N	7.18E	10	2.4L		**¶626338050**
DNK	VIII	17 12 32 03.3–2.7	78.30N	7.00E	10	2.0L		
BER	VIII	17 12 32 04.8–3.2	78.32N	7.06E	10	3.9W,2.4L		
FCIAR	VIII	17 12 32 06.0	78.26N	6.98E	10	3.9W,2.4L		
KOGSR	VIII	17 12 32 06.1	78.37N	8.12E	0	2.3L,2.4L		

ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
DNK Event type se. Error ellipse: s-maj=14.0km s-min=37.4km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=7.5km s-min=26.2km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=6.6km s-min=4.2km az=90.0. Greenland sea,Knipovich ridge, middle.

ISC	**VIII**	**21 22 22 27.7–1.5**	**77.38N–.05**	**7.61E–.04**	**28–14**		**54**	**2-9**
BER	VIII	21 22 22 28.9–3.3	77.40N	7.60E	10	3.4W,2.6L		**¶625345651**
NAO	VIII	21 22 22 29.7–3.4	77.49N	8.16E	10	2.6L,2.6L		
FCIAR	VIII	21 22 22 30.0	77.41N	8.73E	10	2.6L,2.6L		
DNK	VIII	21 22 22 31.3–4.5	77.43N	7.85E	36–47	2.0L,2.6L		
KOGSR	VIII	21 22 22 35.2	77.77N	9.20E	0	2.4L,2.6L		

ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=7.9km s-min=36.1km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
FCIAR station ZFI2 has station magnitude of 3.0.
DNK Event type se. Error ellipse: s-maj=31.4km s-min=113.3km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=8.3km s-min=5.4km az=40.0. Greenland sea.

BER	**VIII**	**23 07 09 05.2–2.3**	**76.24N**	**7.00E**	**10**	**3.6W**		
								¶620999729

BER Event type ke. Error ellipse: s-maj=12.4km s-min=26.0km az=-1.0. Confirmed Earthquake.

ISC	**IX**	**10 19 42 40.7–.84**	**77.39N–.05**	**7.64E–.05**	**10**		**64**	**2-13**
DNK	IX	10 19 42 42.3–3.4	77.49N	7.65E	15	2.5L		**¶621073218**
NAO	IX	10 19 42 43.5–3.6	77.44N	8.29E	10	2.9L		
BER	IX	10 19 42 43.1–2.9	77.42N	7.79E	10	3.7W,2.5L		
KOGSR	IX	10 19 42 45.3	77.40N	9.36E	0	2.5L,2.5L		
FCIAR	IX	10 19 42 46.0	77.47N	8.81E	10	2.5L,2.5L		

ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=19.1km s-min=66.8km az=-1.0. Presumed earthquake.
NAO Event type se. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=5.9km s-min=25.2km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=7.7km s-min=5.4km az=80.0. Greenland sea.
FCIAR station ZFI2 has station magnitude of 3.3.

ISC	**IX**	**04 13 54 23.0–.58**	**77.26N–.02**	**17.99E–.03**	**10**	**3.5b,3.3s**	**107**	**1-83**
KOGSR	IX	04 13 54 20.9	77.21N	18.47E	0	2.9L,3.3s		**¶625345703**
IDC	IX	04 13 54 22.7–1.1	77.29N	18.34E	0	3.6,3.5b		
NAO	IX	04 13 54 24.2–.30	77.27N	17.96E	10	3.7L,3.5b		
BER	IX	04 13 54 26.1–2.9	77.30N	18.17E	15	3.7L,3.2L		
FCIAR	IX	04 13 54 27.0	77.36N	18.16E	10	3.7L,3.2L		

ISC Event type ke.
KOGSR Error ellipse: s-maj=7.6km s-min=3.3km az=110.0. Storfjorden zone.
IDC Error ellipse: s-maj=18.7km s-min=12.2km az=74.0.
NAO Event type se. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=4.1km s-min=30.3km az=-1.0. Confirmed Earthquake.
FCIAR station ZFI2 has station magnitude of 3.4.

BER	**X**	**26 10 29 02.2–.82**	**78.84N**	**5.67E**	**10**	**2.7W**		
								¶635740687

BER Event type ke. Error ellipse: s-maj=8.2km s-min=45.2km az=-1.0. Confirmed Earthquake.

ISC	**X**	**26 00 23 25.0–1.0**	**77.27N–.02**	**18.26E–.03**	**29–10**		**126**	**1-38**
IDC	X	26 00 23 23.9–1.3	77.31N	19.08E	0	3.7,3.6b		**¶621239845**
FCIAR	X	26 00 23 25.0	77.21N	19.02E	10	3.7,3.6b		
NAO	X	26 00 23 25.8–.60	77.28N	18.14E	15–4	3.6L,3.6b		
KOGSR	X	26 00 23 26.1	77.30N	19.56E	0	2.8L,3.6b		
BER	X	26 00 23 28.0–3.3	77.28N	17.97E	23–8	3.6L,3.0L		

ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=11.1km az=72.0.
FCIAR station OMEGA has station magnitude of 3.2. station ZFI2 has station magnitude of 3.2. station LSH has station magnitude of 3.6.
NAO Event type se. Presumed earthquake.
KOGSR Error ellipse: s-maj=56.9km s-min=25.7km az=60.0. Storfjorden zone.
BER Event type ke. Error ellipse: s-maj=3.1km s-min=29.4km az=-1.0. Confirmed Earthquake.

ISC	**X**	**26 06 38 23.9–3.2**	**76.89N–.04**	**8.27E–.07**	**13–22**		**69**	**2-38**
IDC	X	26 06 38 23.6–1.9	76.80N	8.12E	0	3.6b,3.6		**¶621239344**
KOGSR	X	26 06 38 25.5	77.03N	9.35E	0	2.8L,3.6		
BER	X	26 06 38 25.0–4.6	76.96N	7.96E	10	4.2W,3.1L		
NAO	X	26 06 38 26.2–1.5	76.94N	8.81E	13–13	3.1L,3.1L		
FCIAR	X	26 06 38 27.0	76.95N	8.57E	10	3.1L,3.1L		

ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=17.3km az=77.0.
KOGSR Error ellipse: s-maj=6.4km s-min=4.5km az=60.0. Greenland sea.
BER Event type ke. Error ellipse: s-maj=7.3km s-min=42.9km az=-1.0. Confirmed Earthquake.
NAO Event type se. Presumed earthquake.
FCIAR station OMEGA has station magnitude of 3.2. station ZFI2 has station magnitude of 3.2.

ISC	**IX**	**13 16 33 23.9–1.8**	**78.34N–.09**	**7.59E–.04**	**10–14**		**38**	**1-10**
NAO	IX	13 16 33 25.4–.80	78.40N	7.88E	10	2.7L		**¶621072659**
BER	IX	13 16 33 25.9–2.6	78.41N	7.67E	10	3.6W,2.7L		
KOGSR	IX	13 16 33 26.9	78.40N	8.58E	0	2.5L,2.7L		

ISC Event type ke.
NAO Event type se. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Presumed earthquake.
BER Event type ke. Error ellipse: s-maj=6.5km s-min=28.8km az=-1.0. Confirmed Earthquake.
KOGSR Error ellipse: s-maj=6.4km s-min=3.9km az=80.0. Greenland sea.

ISC	**XI**	**20 11 05 24.4–.69**	**76.89N–.04**	**18.92E–.03**	**17**		**58**	**1-8**
KOGSR	XI	20 11 05 23.3	76.91N	18.57E	0	2.7L		**¶625346312**
NAO	XI	20 11 05 25.6–.30	76.95N	18.90E	10	2.5L		
FCIAR	XI	20 11 05 26.0	76.90N	19.21E	10	2.5L		
BER	XI	20 11 05 27.1–2.5	76.93N	18.92E	15	2.5L,2.4L		

ISC Event type ke.
KOGSR Error ellipse: s-maj=6.6km s-min=3.7km az=130.0. Storfjorden zone.
NAO Event type se. Presumed earthquake.
FCIAR station OMEGA has station magnitude of 3.1. station ZFI2 has station magnitude of 2.9.

BER Event type ke. Error ellipse: s-maj=5.2km s-min=25.7km az=-1.0. Confirmed Earthquake.
ISC XI 01 22 05 54.0–1.4 77.72N–.04 7.73E–.04 29–14 60 1-8
NAO XI 01 22 05 55.4–.80 77.77N 8.05E 10 3.3L **¶621614113**
BER XI 01 22 05 55.4–3.2 77.73N 7.88E 10 4.0W,3.3L
FCIAR XI 01 22 05 56.0 77.79N 8.06E 10 4.0W,3.3L
DNK XI 01 22 05 58.0–2.0 78.28N 6.57E 10 2.0L,3.3L
KOGSR XI 01 22 05 59.9 77.56N 9.95E 0 2.6L,3.3L
ISC Event type se.
NAO Event type se. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Presumed earthquake.
BER Event type se. Error ellipse: s-maj=6.7km s-min=22.0km az=-1.0. Presumed earthquake.
FCIAR station OMEGA has station magnitude of 3.4. station ZFI2 has station magnitude of 3.4.
DNK Event type se. Error ellipse: s-maj=35.0km s-min=77.8km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=7.7km s-min=4.2km az=100.0. Greenland sea.
ISC XI 16 02 51 35.2–1.3 76.96N–.08 15.89E–.06 4–11 25 0-7
KOGSR XI 16 02 51 37.3 76.98N 15.58E 0 2.5L **¶621414500**
BER XI 16 02 51 38.3–2.5 76.97N 15.89E 10 2.2L
ISC Event type ke.
KOGSR Error ellipse: s-maj=3.4km s-min=2.0km az=160.0. Spitsbergen.
BER Event type ke. Error ellipse: s-maj=10.3km s-min=38.6km az=-1.0. Confirmed Earthquake.
BER X 30 11 20 36.6–2.9 76.17N 7.34E 10 2.9W
¶635740719
BER Event type ke. Error ellipse: s-maj=19.7km s-min=39.1km az=-1.0. Confirmed Earthquake.
ISC XI 11 11 27 23.7–.81 76.67N–.04 19.63E–.04 10 52 1-7
KOGSR XI 11 11 27 21.0 76.61N 19.48E 0 2.4L **¶621613948**
NAO XI 11 11 27 23.9–.50 76.67N 19.52E 10 2.5L
BER XI 11 11 27 25.4–3.4 76.65N 19.53E 15–18 2.5L,2.3L
FCIAR XI 11 11 27 31.3 76.59N 19.31E 10 2.5L,2.3L
ISC Event type se.
KOGSR Storfjorden zone.
NAO Event type se. Presumed earthquake.
BER Event type se. Error ellipse: s-maj=6.6km s-min=38.5km az=-1.0. Presumed earthquake.
FCIAR station OMEGA has station magnitude of 3.1. station ZFI2 has station magnitude of 3.1.
ISC XI 06 14 50 40.5–3.2 76.88N–.05 8.08E–.07 14–24 56 2-11
BER XI 06 14 50 40.9–2.9 76.81N 7.53E 10 3.8W,2.9L **¶621370946**
NAO XI 06 14 50 41.4–.60 76.92N 7.92E 10 2.9L,2.9L
DNK XI 06 14 50 42.3–3.1 76.80N 7.60E 33–38 2.1L,2.9L
KOGSR XI 06 14 50 43.1 77.06N 9.03E 0 2.6L,2.9L
FCIAR XI 06 14 50 44.0 76.88N 8.81E 10 2.6L,2.9L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=5.3km s-min=20.8km az=-1.0. Confirmed Earthquake.
NAO Event type se. Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0. Presumed earthquake.
DNK Event type se. Error ellipse: s-maj=27.9km s-min=96.7km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=7.9km s-min=6.1km az=60.0. Greenland sea.
FCIAR station OMEGA has station magnitude of 3.1. station ZFI2 has station magnitude of 3.1.
ISC XI 25 01 58 14.1–.74 77.14N–.05 7.40E–.04 10 67 2-13
NAO XI 25 01 58 17.0–.70 77.23N 7.86E 10 3.1L **¶625346349**
DNK XI 25 01 58 18.3–3.4 77.12N 8.19E 36–38 1.9L
KOGSR XI 25 01 58 19.3 77.26N 9.16E 0 2.7L
BER XI 25 01 58 20.4–2.8 77.22N 8.53E 10 3.5W,3.1L
ISC Event type ke.
NAO Event type se. Presumed earthquake.
DNK Event type se. Error ellipse: s-maj=27.0km s-min=95.3km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=5.5km s-min=4.3km az=50.0. Greenland sea.
BER Event type ke. Error ellipse: s-maj=7.8km s-min=63.7km az=-1.0. Confirmed Earthquake.
BER XI 30 12 43 17.7–2.3 76.54N 8.03E 10 2.6W
¶635864250
BER Event type ke. Error ellipse: s-maj=14.7km s-min=69.9km az=-1.0. Confirmed Earthquake.
BER XI 29 19 55 36.1–2.5 77.94N 7.71E 10 3.2W
DNK XI 29 19 55 36.4–1.3 77.85N 8.21E 36–16 1.6L **¶621499182**
FCIAR XI 29 19 55 37.0 78.06N 8.08E 10 1.6L
BER Event type ke. Error ellipse: s-maj=7.9km s-min=23.5km az=-1.0. Confirmed Earthquake.
DNK Event type se. Error ellipse: s-maj=9.3km s-min=31.3km az=-1.0. Presumed earthquake.
FCIAR station OMEGA has station magnitude of 3.0. station ZFI2 has station magnitude of 2.9.
ISC XII 31 17 13 45.2–2.0 76.16N–.05 8.9E–.10 10 3.3s 29 2-45
BER XII 31 17 13 40.9–3.2 76.15N 7.31E 10 3.8W,2.8L **¶621658376**
IDC XII 31 17 13 46.6–1.7 76.46N 9.30E 0 3.3,3.3s
NAO XII 31 17 13 46.8–1.8 76.27N 9.11E 5–32 2.8L,3.3s
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=7.4km s-min=30.6km az=-1.0. Confirmed Earthquake.
IDC Error ellipse: s-maj=29.4km s-min=15.5km az=99.0.
NAO Event type se. Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0. Presumed earthquake.

(644) North of Franz Josef Land.

ISC VIII 28 15 13 03.8–1.3 86.3N–.10 53.8E–.20 10 3.6b,3.4s 8 6-63
IDC VIII 28 15 13 03.2–1.5 86.52N 68.65E 0 3.7L,3.7b **¶621073116**
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=26.3km az=67.0.

(646) Northern Norway.

ISC VII 08 12 59 21.4–1.1 65.07N–.02 11.93E–.05 17–8 88 1-7
IDC VII 08 12 59 19.1–2.3 65.02N 11.66E 0 3.1,2.2L **¶620780020**
NAO VII 08 12 59 21.6–.40 65.08N 11.78E 2.5L,2.2L
BER VII 08 12 59 22.7–3.1 65.05N 11.91E 0–7 2.5L,1.8L
UPP VII 08 12 59 22.3–3.0 65.12N 12.01E 0 2.0L,1.8L
KOGSR VII 08 12 59 25.6 65.32N 11.72E 0 ,1.8L
ISC Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=10.2km az=109.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=3.9km s-min=20.8km az=-1.0. Confirmed Earthquake.
UPP Event type se. Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0. Presumed earthquake.
KOGSR Error ellipse: s-maj=104.4km s-min=34.6km az=110.0. Norwegian sea.
IDC VIII 05 18 43 24.8–2.4 68.12N 19.34E 0 2.6,1.9L
¶620998825
IDC Error ellipse: s-maj=22.7km s-min=14.2km az=118.0.
BER IX 20 11 31 16.7–.99 66.71N 13.09E 0–199 0.6L
¶626255810
BER Event type se. Error ellipse: s-maj=2.9km s-min=10.5km az=-1.0. Presumed earthquake.
BER X 13 10 43 43.0–.50 66.71N 13.58E 0–259 0.1L
¶635806544
BER Event type ke. Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0. Confirmed Earthquake.
IDC XI 16 09 56 14.0–588 67.07N 13.09E 0
¶621475674
IDC Error ellipse: s-maj=257.2km s-min=65.3km az=46.0.
BER X 23 23 26 37.3–1.6 67.61N 15.01E 0–6 0.3L
¶626726907
BER Event type ke. Error ellipse: s-maj=2.0km s-min=6.0km az=-1.0. Confirmed Earthquake.
BER XII 14 20 04 35.0–1.1 66.73N 13.59E 0–192 0.3L
¶636235733
BER Event type ke. Error ellipse: s-maj=1.8km s-min=4.7km az=-1.0. Confirmed Earthquake.

(647) Barents Sea.

BER XII 01 17 30 41.6–2.2 76.12N 25.00E 16–7 1.3L
¶625346404
BER Event type ke. Error ellipse: s-maj=18.7km s-min=40.0km az=-1.0. Confirmed Earthquake.
IDC X 12 09 13 48.7–553 69.85N 40.73E 0
¶621236936
IDC Error ellipse: s-maj=361.1km s-min=147.8km az=43.0.

(651) North of Severnaya Zemlya.

ISC VII 27 06 17 57.1–.33 85.13N–.04 114.59E–.04 10 4.8b,3.6s 201 9-149
MOS VII 27 06 17 55.3–1.0 85.07N 115.59E 10 4.8b,3.6s **¶620847123**
IDC VII 27 06 17 56.0–.48 85.06N 115.91E 0 4.1L,4.1b
NEIC VII 27 06 17 57.3–1.5 85.09N–.09 116E–1.0 10–1 4.8b,4.1b
GFZ VII 27 06 17 59.2–.25 85N–5.0 118E–4.0 10 4.7b,4.7
FCIAR VII 27 06 18 02.0 84.84N 113.28E 10 4.7b,4.7
ISC Event type se.
MOS Error ellipse: s-maj=72.2km s-min=7.6km az=89.2.
IDC Error ellipse: s-maj=14.0km s-min=8.9km az=160.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=14.1km az=129.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
FCIAR station ZFI2 has station magnitude of 3.1.
ISC X 01 23 56 39.0–.34 84.67N–.05 101.41E–.05 10 4.6b,3.5s 304 7-89
IDC X 01 23 56 37.5–.60 84.64N 103.47E 0 4.4L,4.0b **¶621116393**
NEIC X 01 23 56 38.5–1.4 84.7N–.10 103E–1.0 10–1 4.7b,4.0b
MOS X 01 23 56 38.1–1.1 84.67N 102.71E 12 4.6b,4.0b
GCMT X 01 23 56 38.7–.40 84.68N–.04 103.2E–.50 14–1 4.6W,4.0b
GFZ X 01 23 56 39.8–.17 85N–3.0 103E–3.0 10 6.0b,5.6
FCIAR X 01 23 56 41.0 84.56N 100.20E 10 6.0b,5.6
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=11.9km az=133.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=14.8km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=53.3km s-min=6.2km az=88.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110012356A. Moment Tensor Solution. s13,c15; s69,c99; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.11±.12 $M_{\theta\theta}$0.59±.07; $M_{\phi\phi}$0.51±.07; $M_{r\theta}$-0.25±.17; $M_{\theta\phi}$-0.43±.04; $M_{\phi r}$0.18±.18; Best double couple: NP1:ϕ_s314.00000°,δ37.00000°,λ-87.00000°. NP2:ϕ_s131.00000°,δ53.00000°,λ-92.00000°. Principal axes: T 1.0300,Plg8.0000°,Azm222.0000°; N 0.1240,Plg2.0000°,Azm132.0000°; P -1.1560,Plg82.0000°,Azm31.0000° $M_0$1.09300×10^{16}
GFZ Error ellipse: s-maj=6.5km s-min=4.8km az=142.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
FCIAR station ZFI2 has station magnitude of 3.4. station OMEGA has station magnitude of 3.4.
ISC VIII 07 18 16 01.9–.31 85.38N–.04 88.05E–.05 10 4.5b,3.5s 334 6-165
BJI VIII 07 18 16 00.0 85.30N 88.70E 10 4.6b,4.3s **¶620976241**
NEIC VIII 07 18 16 00.3–1.7 85.24N–.08 86.1E–.90 10–1 4.6b,4.3s
MOS VIII 07 18 16 00.7–1.1 85.45N 88.77E 10 4.6b,4.3s
IDC VIII 07 18 16 00.9–.45 85.35N 87.89E 0 4.0b,4.0
FCIAR VIII 07 18 16 01.4 85.66N 85.89E 10 4.0b,4.0
GFZ VIII 07 18 16 03.4–.28 85N–4.0 89E–4.0 10 4.5b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FCIAR station ZFI2 has station magnitude of 3.4.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 26 03 56 17.3–.59 85.47N–.08 86.60E–.07 15 4.2b 45 6-77
IDC IX 26 03 56 14.9–.91 85.51N 90.73E 0 4.0L,3.8 **¶621131482**
NEIC IX 26 03 56 16.6–1.5 85.5N–.10 86.7E–.60 10–1 4.3b,3.8
FCIAR IX 26 03 56 20.0 85.71N 85.42E 10 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=17.9km az=156.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=5.3km az=160.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FCIAR station ZFI2 has station magnitude of 3.2.
ISC XI 01 06 25 41.2–.48 85.60N–.06 84.48E–.07 10 4.1b,3.4s 61 11-135
NEIC XI 01 06 25 40.8–1.2 85.61N–.07 84E–1.0 10–1 4.3b,3.4s **¶621401253**
IDC XI 01 06 25 41.1–.69 85.57N 86.49E 0 3.8,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=4.5km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=14.0km az=146.0.
ISC XII 29 08 13 52.9–.73 85.2N–.10 92.7E–.10 10 3.7b,3.2s 13 12-67
IDC XII 29 08 13 51.5–.82 85.15N 94.42E 0 3.8b,3.8 **¶621724190**
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=16.2km az=133.0.
ISC XII 14 14 20 43.7–.78 82.9N–.10 116.05E–.10 10 4.1b 24 15-61
IDC XII 14 14 20 42.1–1.6 82.90N 116.16E 0 3.8s,3.7L **¶621652926**
NEIC XII 14 14 20 43.6–1.2 82.9N–.10 116.1E–1.0 10–2 4.1b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 29 14 40 08.0–.77 85.1N–.10 91.1E–.10 10 3.6b,3.0s 13 16-67
IDC XII 29 14 40 06.6–.82 85.19N 90.82E 0 4.0L,3.7b **¶621724221**
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=14.8km az=115.0.
IDC XII 29 15 25 51.1–1.7 85.06N 98.67E 0 3.5b,3.5
¶621724226
IDC Error ellipse: s-maj=94.0km s-min=26.6km az=113.0.
ISC XII 29 10 49 38.5–.71 85.2N–.10 92.1E–.10 10 3.7b,3.0s 13 12-67
IDC XII 29 10 49 37.5–.79 85.18N 93.69E 0 3.8,3.7b **¶621724206**
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=15.6km az=125.0.
ISC XII 29 20 23 38.9–.79 85.3N–.10 88.9E–.10 10 3.5b 11 11-48
IDC XII 29 20 23 37.8–.92 85.24N 90.44E 0 3.7,3.6b **¶621724250**
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=17.2km az=145.0.
ISC XII 29 20 25 54.2–.56 85.30N–.08 89.51E–.06 10 4.1b 92 11-67
IDC XII 29 20 25 52.8–.82 85.31N 89.69E 0 3.8,3.7b **¶621657260**
NEIC XII 29 20 25 54.1–1.4 85.3N–.10 88.9E–.80 10–1 4.2b,3.7b
MOS XII 29 20 25 54.8–1.9 85.21N 91.30E 18 4.5b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=15.5km az=159.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=9.7km az=340.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=98.0km s-min=7.1km az=89.2.
ISC XII 29 20 29 09.0–.95 85.3N–.20 93.2E–.20 10 3.4b 7 19-39
IDC XII 29 20 29 07.5–1.1 85.26N 93.36E 0 3.6b,3.6 **¶621724252**
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=21.2km az=127.0.
ISC XII 29 13 58 30.5–.74 85.12N–.04 93.20E–.04 7–4 4.8b,4.4s 460 6-135
IDC XII 29 13 58 29.9–.41 85.13N 93.80E 0 4.5b,4.5 **¶621657117**
MOS XII 29 13 58 30.7–1.1 85.15N 93.43E 19 4.9b,4.5s
NEIC XII 29 13 58 30.8–1.2 85.16N–.09 93E–1.0 10–1 5.0b,5.0
GCMT XII 29 13 58 31.6–.10 85.19N–.01 92.2E–.10 12 5.1W,5.0
GFZ XII 29 13 58 31.9–.26 85N–5.0 94E–4.0 10 5.5b,5.0
FCIAR XII 29 13 58 33.4 84.96N 92.33E 10 5.5b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=10.1km s-min=8.9km az=139.0.
MOS Error ellipse: s-maj=55.7km s-min=4.9km az=88.3.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=15.0km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112291358A. Moment Tensor Solution. s62,c81; s137,c241; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.53±.07 $M_{\theta\theta}$3.90±.07; $M_{\phi\phi}$1.62±.08; $M_{r\theta}$0.30±.20; $M_{\theta\phi}$-2.42±.06; $M_{\phi r}$1.18±.26; Best double couple: NP1:ϕ_s291.00000°,δ44.00000°,λ-106.00000°. NP2:ϕ_s133.00000°,δ48.00000°,λ-75.00000°. Principal axes: T 5.4480,Plg2.0000°,Azm213.0000°; N 0.3140,Plg11.0000°,Azm303.0000°; P -5.7720,Plg79.0000°,Azm113.0000° $M_0$5.61000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
FCIAR station SVZ has station magnitude of 3.5. station ZFI2 has station magnitude of 3.6. station OMEGA has station magnitude of 3.5.
ISC XII 31 00 58 29.1–.60 85.17N–.09 91.55E–.08 10 3.9b,3.2s 27 12-78
IDC XII 31 00 58 27.8–.57 85.21N 91.51E 0 4.0b,4.0 **¶621726041**
ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=9.7km az=135.0.
ISC XII 31 01 18 47.1–.50 85.24N–.08 92.22E–.06 10 3.9b,3.6s 68 12-67
MOS XII 31 01 18 45.6–.69 85.22N 91.77E 10 4.2b,3.6s **¶621657652**
IDC XII 31 01 18 45.4–.68 85.24N 92.39E 0 3.8,3.7b
NEIC XII 31 01 18 46.8–1.6 85.3N–.10 92E–1.0 10–1 4.1b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**31 01 44 16.6–.44**	**85.16N–.07**	**92.46E–.06**	**10**	**4.0b,3.5s**	**83**	**12-78**
MOS	XII	31 01 44 14.8–.74	85.15N	92.00E	10	4.3b,3.5s		¶621657654
IDC	XII	31 01 44 15.3–.59	85.20N	91.90E	0	3.9,3.8b		
NEIC	XII	31 01 44 16.0–2.1	85.21N–.09	91E–1.0	10–1	4.4b,3.8b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XII**	**29 17 01 28.6–.90**	**85.2N–.10**	**91.8E–.10**	**10**	**3.6b**	**8**	**12-67**
IDC	XII	29 17 01 27.3–1.0	85.15N	94.36E	0	3.7,3.6b		¶621724230
ISC	Event type se.							
IDC	Error ellipse: s-maj=27.5km s-min=20.4km az=106.0.							
ISC	**XII**	**29 17 29 02.3–.74**	**85.3N–.10**	**89.3E–.10**	**10**	**3.7b**	**13**	**11-67**
IDC	XII	29 17 29 01.3–.79	85.22N	91.04E	0	3.7b,3.7		¶621724232
ISC	Event type se.							
IDC	Error ellipse: s-maj=20.2km s-min=15.8km az=127.0.							

(654) East of Severnaya Zemlya.

ISC	**VII**	**01 05 10 28.9–1.2**	**81.0N–.20**	**121.7E–.10**	**10**	**3.5b,3.1s**	**9**	**10-67**
IDC	VII	01 05 10 27.4–1.1	81.02N	121.74E	0	3.6b,3.6		¶620927655
ISC	Event type se.							
IDC	Error ellipse: s-maj=32.7km s-min=20.0km az=164.0.							
ISC	**VII**	**31 01 29 55.2–.38**	**80.68N–.06**	**121.63E–.05**	**10**	**4.5b,3.4s**	**198**	**9-152**
IDC	VII	31 01 29 53.7–.57	80.76N	121.64E	0	3.9,3.8L		¶620923883
MOS	VII	31 01 29 54.7–1.1	80.67N	121.81E	18	4.6b,3.6s		
NEIC	VII	31 01 29 55.1–1.8	80.7N–.10	121.4E–.50	10–1	4.5b,3.6s		
GFZ	VII	31 01 29 56.7–.23	81N–5.0	122E–3.0	10	4.4b,4.4		
FCIAR	VII	31 01 30 00.0	80.82N	120.05E	10	4.4b,4.4		
ISC	Event type se.							
IDC	Error ellipse: s-maj=15.9km s-min=11.3km az=168.0.							
MOS	Error ellipse: s-maj=36.5km s-min=9.9km az=92.0.							
NEIC	Event type se. Error ellipse: s-maj=22.2km s-min=14.0km az=346.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	Error ellipse: s-maj=11.1km s-min=7.1km az=176.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
FCIAR	station ZFI2 has station magnitude of 3.6.							
ISC	**VIII**	**25 00 10 26.9–.53**	**78.86N–.07**	**124.91E–.07**	**10**	**3.8b,3.1s**	**39**	**7-75**
IDC	VIII	25 00 10 25.4–.92	78.98N	125.55E	0	4.2L,3.7		¶621058894
NEIC	VIII	25 00 10 27.5–1.7	78.9N–.10	125.0E–.50	10–1	4.3b,3.7		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							

SEISMIC REGION 41.
Eastern Asia.

(656) Southeastern Siberia.

YARS	**X**	**18 06 42 52.1**	**56.98N**	**123.10E**	**30**	**3.6L**		
								¶625388225
ISC	**XI**	**10 13 19 12.8–1.1**	**57.62N–.02**	**121.30E–.02**	**1–8**	**3.8b**	**125**	**1-147**
MOS	XI	10 13 19 12.3–1.2	57.78N	121.44E	8	3.8b		¶621440062
IDC	XI	10 13 19 13.4–.59	57.71N	121.38E	0	4.2s,3.8b		
YARS	XI	10 13 19 13.0	57.83N	121.38E	25	3.9L,3.8b		
BYKL	XI	10 13 19 15.3–.45	57.67N	121.28E		3.9L,3.8b		
ISC	Event type se.							
MOS	Error ellipse: s-maj=14.9km s-min=8.3km az=90.4.							
IDC	Error ellipse: s-maj=11.8km s-min=10.5km az=113.0.							
BYKL	Event type se.							
YARS	**X**	**24 19 41 51.4**	**56.94N**	**123.13E**	**14**	**3.1L**		
								¶625388256

(657) Priamurye-Northeastern China border region.

SKHL	**X**	**24 19 42 01.0–.60**	**50.20N**	**127.70E**	**13**	**3.6b**		
								¶625304515

(658) Northeastern China.

ISC	**VII**	**15 08 31 17.0–.63**	**37.39N–.05**	**115.22E–.04**	**10**	**3.7b,3.0s**	**31**	**0-63**
IDC	VII	15 08 31 15.8–.80	37.48N	115.13E	0	3.6b,3.6		¶620928633
ISC	Event type se.							
IDC	Error ellipse: s-maj=16.4km s-min=11.6km az=7.0.							
ISC	**VII**	**26 16 34 07.5–.56**	**45.49N–.03**	**125.31E–.04**	**10**	**4.1b**	**48**	**1-74**
IDC	VII	26 16 34 06.2–.83	45.58N	125.26E	0	3.8b,3.7		¶620973860
KEA	VII	26 16 34 08.3	45.45N	125.36E	16	3.6L,3.7		
NEIC	VII	26 16 34 08.7–.67	45.61N–.09	125.41E–.09	10–1	4.7b,3.7		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VII**	**31 08 15 03.7–.94**	**39.3N–.10**	**120.13E–.03**	**10**		**13**	**1-6**
KEA	VII	31 08 15 01.7	38.85N	120.12E	15	3.7L		¶622271107
ISC	Event type se.							
ISC	**VIII**	**16 13 33 50.8–.65**	**39.17N–.09**	**119.94E–.05**	**10**	**4.2b**	**28**	**3-68**
KEA	VIII	16 13 33 46.9	39.32N	119.94E	16	3.7L		¶620989835
IDC	VIII	16 13 33 49.0–2.2	39.14N	120.06E	0	3.9b,3.9		
NEIC	VIII	16 13 33 50.2–1.9	39.0N–.10	120.0E–.10	10–2	4.4b,3.9		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VIII**	**18 08 19 03.6–.88**	**52.46N–.08**	**121.97E–.06**	**10**	**3.6b**	**13**	**3-45**
IDC	VIII	18 08 19 02.4–1.0	52.44N	121.96E	0	3.9L,3.6		¶621030355
ISC	Event type se.							
IDC	Error ellipse: s-maj=14.4km s-min=11.7km az=175.0.							
IDC	**XI**	**13 04 54 24.6–999**	**40.50N**	**122.14E**	**0**			
								¶621468585
IDC	Error ellipse: s-maj=501.6km s-min=159.2km az=68.0.							
ISC	**X**	**12 10 37 18.6–.87**	**40.55N–.06**	**122.93E–.07**	**13**	**3.6b**	**20**	**3-61**
IDC	X	12 10 37 16.2–1.1	40.58N	123.01E	0	3.7L,3.7b		¶621236943
KEA	X	12 10 37 23.1	40.25N	123.62E	3	3.8L,3.7b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=17.5km s-min=12.0km az=43.0.							
ISC	**X**	**14 21 10 01.4–.30**	**44.20N–.03**	**120.20E–.03**	**10**	**4.4b,3.8s**	**209**	**3-98**
IDC	X	14 21 09 59.5–.47	44.08N	120.22E	0	4.1,4.0L		¶621196195
NEIC	X	14 21 10 01.7–1.3	44.21N–.06	120.17E–.09	10–1	4.4b,4.0L		
MOS	X	14 21 10 01.7–2.8	44.20N	120.10E	10	4.6b,4.0s		
BJI	X	14 21 10 02.8	44.18N	120.29E	37	5.0L,4.7b		
GFZ	X	14 21 10 02.4–.23	44N–3.0	120E–4.0	10	5.5b,5.4L		
KEA	X	14 21 10 15.8	43.47N	121.01E	3	4.8L,5.4L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=11.0km s-min=8.2km az=27.0.							
NEIC	Event type se. Error ellipse: s-maj=11.0km s-min=10.5km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MOS	Error ellipse: s-maj=7.7km s-min=6.0km az=134.3.							
GFZ	Error ellipse: s-maj=8.2km s-min=6.4km az=68.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**IX**	**24 12 29 24.8–.96**	**45.15N–.06**	**124.73E–.08**	**10**		**11**	**5-31**
IDC	IX	24 12 29 25.8–1.3	45.26N	124.70E	0	3.6b,3.2L		¶621126436
KEA	IX	24 12 29 26.8	45.07N	124.61E	15	3.9L,3.2L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=14.3km s-min=12.4km az=55.0.							
IDC	**X**	**14 10 53 01.1–460**	**37.94N**	**111.71E**	**0**			
								¶621240633
IDC	Error ellipse: s-maj=205.6km s-min=181.9km az=25.0.							
IDC	**XI**	**13 04 01 31.7–999**	**40.49N**	**122.25E**	**0**			
								¶621468582
IDC	Error ellipse: s-maj=488.5km s-min=154.8km az=68.0.							
IDC	**XI**	**14 04 58 30.4–2.5**	**40.57N**	**113.59E**	**0**	**3.3L,3.3**		
								¶621468644
IDC	Error ellipse: s-maj=56.6km s-min=14.7km az=32.0.							
KEA	**XI**	**18 04 30 50.8**	**39.42N**	**123.31E**	**18**	**2.8L**		
								¶622274823

(659) North Korea.

ISC	**X**	**11 13 00 51.6–1.3**	**41.4N–.10**	**129.2E–.10**	**10**		**8**	**1-3**
KEA	X	11 13 00 51.5	41.38N	129.09E	18	2.6L		¶622274810
KMA	X	11 13 00 53.7–1.0	41.29N	129.20E	20–8	2.6L		
ISC	Event type se.							
KMA	Error ellipse: s-maj=4.7km s-min=1.7km az=89.0.							

(660) Sea of Japan.

ISC	**VII**	**05 03 20 06.9–.76**	**37.46N–.09**	**135.03E–.10**	**378**	**3.3b**	**24**	**2-72**
JMA	VII	05 03 20 07.0–.53	37N–1.0	135E–3.0	389–4	3.3		¶620927924
IDC	VII	05 03 20 07.2–1.1	37.43N	135.00E	385–13	3.8,3.0b		
ISC	Event type ke.							
JMA	Event type ke. SEA OF JAPAN .							
IDC	Error ellipse: s-maj=25.9km s-min=16.9km az=67.0.							
ISC	**VII**	**07 17 02 32.5–.32**	**37.18N–.03**	**135.00E–.03**	**375–3**	**4.6b**	**769**	**1-160**
BJI	VII	07 17 02 31.4	37.17N	135.01E	388	5.0b,5.0b		¶620758699
NIED	VII	07 17 02 32.2	37.17N	135.08E	384	4.9W,5.0b		
NEIC	VII	07 17 02 32.6–1.7	37.21N–.07	135.00E–.08	370–5	4.6b,5.0b		
MOS	VII	07 17 02 32.1–.88	37.25N	134.97E	378	4.5b,5.0b		
GFZ	VII	07 17 02 32.8–.20	37N–4.0	135E–4.0	383–4	5.0b,4.8		
IDC	VII	07 17 02 32.6–.37	37.18N	134.88E	371–3	4.9,4.1b		
JMA	VII	07 17 02 32.2–.16	37.2N–.80	135.1E–.80	384–1	4.8W,4.6		
ISC	Event type ke.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$0.86 $M_{r\theta}$0.37 $M_{\theta\phi}$1.11 $M_{\phi r}$-1.62 NP1:ϕ_s252.00000°,δ39.00000°,λ-4.00000°. NP2:ϕ_s345.00000°,δ88.00000°,λ-129.00000°. M_o2.15000×10^{16}							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
JMA	Event type ke. SEA OF JAPAN .							
ISC	**VIII**	**10 13 22 46.5–.75**	**37.67N–.08**	**134.57E–.07**	**400**	**2.8b**	**16**	**2-57**
JMA	VIII	10 13 22 46.4–.31	38N–1.0	134.5E–1.0	405–3	3.0		¶621008117
IDC	VIII	10 13 22 47.1–.87	37.59N	134.55E	402–15	3.7,2.6b		
ISC	Event type ke.							
JMA	Event type ke. SEA OF JAPAN .							
IDC	Error ellipse: s-maj=20.3km s-min=17.6km az=72.0.							
ISC	**VIII**	**12 08 21 13.7–.73**	**37.02N–.08**	**135.27E–.07**	**370**	**3.4b**	**32**	**1-72**
IDC	VIII	12 08 21 14.4–1.1	37.04N	135.30E	379–14	4.0,3.2b		¶621009389
JMA	VIII	12 08 21 14.7–.32	37N–1.0	135E–2.0	370–2	3.4,3.2b		
ISC	Event type ke.							
JMA	Event type ke. NW OFF HOKURIKU DISTRICT.							
ISC	**XI**	**11 08 14 03.4–.75**	**37.20N–.10**	**135.11E–.08**	**350**	**3.4b**	**24**	**1-71**
JMA	XI	11 08 14 03.3–.35	37N–1.0	135E–2.0	372–3	3.6		¶621449517
IDC	XI	11 08 14 03.9–1.1	37.15N	135.28E	370–12	3.9,3.2b		
ISC	Event type ke.							
JMA	Event type ke. SEA OF JAPAN .							
IDC	Error ellipse: s-maj=22.9km s-min=12.9km az=65.0.							
ISC	**IX**	**29 08 37 05.5–.18**	**38.87N–.02**	**135.42E–.02**	**369–1**	**5.8b**	**2872**	**2-170**
BJI	IX	29 08 37 03.0	38.90N	135.55E	370	6.2b,6.2b		¶626513349
JMA	IX	29 08 37 04.6–.19	38.8N–.90	136E–1.0	394–2	6.2W,6.1		
MOS	IX	29 08 37 04.6–.82	38.90N	135.47E	380	6.2b,5.2s		
NIED	IX	29 08 37 04.6	38.80N	135.65E	394	6.2W,5.2s		
GFZ	IX	29 08 37 05.6–.20	39N–2.0	135E–2.0	366–2	6.1b,6.0b		
IDC	IX	29 08 37 05.6–.34	38.86N	135.38E	368–3	6.2,5.5b		
GFZ	IX	29 08 37 05.6	38.75N	135.59E	365	6.1W,5.5b		
NEIC	IX	29 08 37 05.6–1.7	38.89N–.06	135.45E–.08	364–1	6.2,5.8b		
NEIC	IX	29 08 37 05.3	38.92N	135.40E	360	6.2,5.8b		
NEIC	IX	29 08 37 05.3	38.92N	135.40E	360	6.2,5.8b		
PTWC	IX	29 08 37 05	38.80N	135.60E	401	5.8,5.8b		
IPGP	IX	29 08 37 05.0	38.87N	135.46E	370	6.2W,5.8b		
GCMT	IX	29 08 37 08.1–.10	38.91N–.01	135.22E–.01	371–0	6.2W,5.8b		
BGR	IX	29 08 37 09.3	39.45N	135.60E	362	6.9,6.7b		
NEIC	IX	29 08 37 11.9	38.92N	135.40E	360	6.1,6.7b		
ISC	Event type ke.							
JMA	Event type fe. SEA OF JAPAN .							
MOS	Error ellipse: s-maj=5.9km s-min=4.3km az=104.9.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.89 $M_{\theta\theta}$0.20 $M_{\phi\phi}$0.69 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.82 $M_{\phi r}$-1.58 NP1:ϕ_s243.00000°,δ21.00000°,λ-47.00000°. NP2:ϕ_s18.00000°,δ75.00000°,λ-105.00000°. M_o2.00000×10^{18}							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
IDC	Error ellipse: s-maj=5.8km s-min=4.8km az=76.0.							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.21 $M_{\phi\phi}$0.45 $M_{r\theta}$-0.56 $M_{\theta\phi}$0.65 $M_{\phi r}$-1.72 NP1: ϕ_s247.84144°,δ16.60710°,λ-42.45603°. NP2:ϕ_s19.08432°,δ78.87637°,λ-102.40993°. Principal axes: T 2.0930,Plg32.7648°,Azm119.4955°; N -0.1738,Plg12.1732°,Azm21.5152°; P -1.9192,Plg54.4917°,Azm273.9175° M_o2.01171×10^{18}							
NEIC	Event type se. Error ellipse: s-maj=11.1km s-min=10.8km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.86 $M_{\theta\theta}$0.44 $M_{\phi\phi}$0.42 $M_{r\theta}$-0.93 $M_{\theta\phi}$0.46 $M_{\phi r}$-2.15 NP1:ϕ_s241.93000°,δ11.96000°,λ-53.71000°. NP2:ϕ_s25.04000°,δ80.38000°,λ-97.15000°. Principal axes: T 2.4532,Plg35.0000°,Azm121.0000°; N 0.0906,Plg7.0000°,Azm26.0000°; P -2.5438,Plg54.0000°,Azm286.0000° M_o2.50000×10^{18}							
NEIC	Event type se.							
NEIC	Event type se.							
IPGP	Moment Tensor Solution. NP1:ϕ_s262.00000°,δ14.00000°,λ-31.00000°. NP2:ϕ_s21.00000°,δ83.00000°,λ-102.00000°.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202109290837B. Moment Tensor Solution. s159,c397; s139,c220;Duration: 2s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.65±.01 $M_{\theta\theta}$0.26±.01; $M_{\phi\phi}$0.38±.01; $M_{r\theta}$-0.64±.01; $M_{\theta\phi}$0.65±.01; $M_{\phi r}$-1.92±.01; Best double couple: NP1:ϕ_s252.00000°,δ15.00000°,λ-39.00000°. NP2:ϕ_s20.00000°,δ80.00000°,λ-102.00000°. Principal axes: T 2.2670,Plg34.0000°,Azm120.0000°; N -0.1400,Plg12.0000°,Azm22.0000°; P -2.1270,Plg53.0000°,Azm275.0000° M_o2.19700×10^{18}							
BGR	Event type ke.							
NEIC	Event type se. Moment Tensor Solution.Duration: 5s1.0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.59 $M_{\theta\theta}$0.20 $M_{\phi\phi}$0.39 $M_{r\theta}$-0.62 $M_{\theta\phi}$0.43 $M_{\phi r}$-1.69 NP1:ϕ_s240.72000°,δ12.30000°,λ-51.02000°. NP2:ϕ_s21.09000°,δ80.47000°,λ-97.81000°. Principal axes: T 1.9543,Plg35.0000°,Azm118.0000°; N -0.0669,Plg8.0000°,Azm22.0000°; P -1.8873,Plg54.0000°,Azm282.0000° M_o1.92000×10^{18}							
ISC	**VIII**	**16 12 32 33.0–.29**	**41.56N–.03**	**131.43E–.03**	**563–3**	**4.5b**	**1128**	**1-151**
JMA	VIII	16 12 32 31.4–.41	42N–2.0	132E–4.0	606	4.9		¶620989830
MOS	VIII	16 12 32 32.5–.81	41.56N	131.36E	565	4.7b		
BJI	VIII	16 12 32 32.3	41.58N	131.37E	570	5.8b,5.4b		
NEIC	VIII	16 12 32 33.2–1.5	41.60N–.08	131.4E–.10	560–6	4.3b,5.4b		
IDC	VIII	16 12 32 33.7–.34	41.62N	131.31E	564–3	5.1,4.1b		
GFZ	VIII	16 12 32 33.4–.18	42N–2.0	131E–2.0	554–2	4.8,4.8b		
ISC	Event type ke.							
JMA	Event type ke. SEA OF JAPAN .							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
ISC	**X**	**31 09 28 14.7–1.3**	**36.9N–.20**	**135.6E–.20**	**350**		**9**	**1-57**
IDC	X	31 09 28 14.3–3.1	36.78N	135.22E	341–90	3.4,3.0b		¶621395239
JMA	X	31 09 28 14.0–.44	37N–2.0	136E–2.0	361–3	2.5,3.0b		
ISC	Event type ke.							
JMA	Event type ke. NW OFF HOKURIKU DISTRICT.							
ISC	**XI**	**17 10 28 40.7–.93**	**37.3N–.10**	**135.0E–.10**	**378**	**3.0b**	**11**	**2-61**
JMA	XI	17 10 28 39.9–.22	37N–2.0	135E–2.0	367	3.0		¶621494203
IDC	XI	17 10 28 40.5–.99	37.25N	135.00E	370–12	3.6,2.9b		
ISC	Event type ke.							
JMA	Event type ke. SEA OF JAPAN .							
IDC	Error ellipse: s-maj=20.6km s-min=15.0km az=98.0.							

(661) Primorye.

ISC	**VII**	**02 02 51 04.7–.46**	**45.32N–.06**	**137.17E–.05**	**300**	**3.6b**	**74**	**0-74**

MOS VII 02 02 51 05.6–.87 45.29N 137.17E 339 3.7b ¶620697793
IDC VII 02 02 51 06.9–.69 45.31N 137.13E 337–7 4.0,3.2b
SKHL VII 02 02 51 06.4–.40 45.30N 137.30E 316–5 4.3,4.2b
ISC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=8.0km az=117.1.
IDC Error ellipse: s-maj=10.4km s-min=8.8km az=18.0.
IDC VIII 03 03 07 12.1–2.1 43.01N 132.99E 0 3.3,2.7L
¶620995835
IDC Error ellipse: s-maj=27.0km s-min=19.7km az=104.0.
ISC XII 20 09 50 19.8–.40 43.46N–.05 132.38E–.05 486 4.0b 204 0-78
SKHL XII 20 09 50 09.8–1.5 42.40N 131.70E 501–6 4.9,4.8b ¶621634365
MOS XII 20 09 50 19.6–.89 43.52N 132.33E 494 4.1b,4.8b
NEIC XII 20 09 50 20.6–1.7 43.52N–.08 132.4E–.10 490–7 4.1b,4.8b
IDC XII 20 09 50 20.5–.44 43.51N 132.23E 488–4 4.3,3.4b
JMA XII 20 09 50 22.5–.54 43N–2.0 133E–5.0 572 4.1,3.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR VLADIVOSTOK .
ISC XI 17 19 41 11.9–2.2 46.00N–.04 140.7E–.10 12–10 23 1-2
JMA XI 17 19 41 12.4–.24 46.0N–.60 141E–1.0 7–2 3.7 ¶626705600
SKHL XI 17 19 41 14.6–.50 45.90N 140.60E 38–6 4.6b
ISC Event type ke.
JMA Event type ke. SOUTH SAKHALIN .

(662) Sakhalin Island.

ISC X 31 19 51 49.6–.51 46.16N–.04 143.86E–.04 342–5 4.0b 235 1-120
NIED X 31 19 51 48.7 46.08N 143.95E 361 4.3W ¶621244766
MOS X 31 19 51 48.6–.99 46.29N 143.79E 337 3.9b
JMA X 31 19 51 48.7–.39 46N–2.0 144E–3.0 361–3 4.3
GFZ X 31 19 51 49.7–.29 46N–3.0 144E–5.0 342 5.2b,4.7
SKHL X 31 19 51 49.9–.80 46.20N 143.80E 347–1 5.2s,4.8b
IDC X 31 19 51 50.3–1.1 46.34N 143.77E 342–12 4.3,3.4b
NEIC X 31 19 51 50.1–1.4 46.32N–.09 143.8E–.10 343–6 4.1b,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.72 $M_{\theta\theta}$0.93 $M_{\phi\phi}$-1.65 $M_{r\theta}$1.16 $M_{\theta\phi}$-0.51 $M_{\phi r}$-1.86 NP1:ϕ_s48.00000°,δ32.00000°,λ162.00000°. NP2:ϕ_s153.00000°,δ81.00000°,λ60.00000°. M_o2.67000×10^{15}
JMA Event type ke. SOUTH SAKHALIN .
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 16 22 24 16.8–.80 48.86N–.09 142.6E–.10 11 3.4b 11 5-73
IDC X 16 22 24 15.4–.83 48.92N 142.46E 0 3.5b,3.5 ¶621242148
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=14.3km az=64.0.
ISC XII 28 15 19 25.3–.48 50.54N–.05 143.78E–.05 10 4.3b 56 1-83
MOS XII 28 15 19 22.5–.95 50.55N 143.88E 6 4.3b ¶621717397
IDC XII 28 15 19 23.1–.84 50.59N 144.00E 0 3.8b,3.8
NEIC XII 28 15 19 25.7–1.3 50.50N–.08 143.8E–.10 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(663) Sea of Okhotsk.

ISC VIII 10 13 36 59.6–.44 46.38N–.04 145.94E–.05 343–4 3.8b 175 2-82
MOS VIII 10 13 36 59.1–1.0 46.57N 145.94E 349 3.9b ¶620979646
IDC VIII 10 13 37 00.7–1.4 46.63N 145.86E 346–14 4.0,3.3b
SKHL VIII 10 13 37 00.7–.90 46.30N 146.10E 337–4 5.3,4.9b
NEIC VIII 10 13 37 01.4–1.9 46.56N–.08 145.7E–.20 348–8 4.1b,4.9b
JMA VIII 10 13 37 01.6–.66 46N–4.0 146E–5.0 349 3.4,4.9b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
ISC IX 14 19 41 26.8–.51 56.77N–.05 139.51E–.04 10 4.2b 77 4-147
IDC IX 14 19 41 26.0–.57 56.69N 139.60E 0 4.2L,3.7b ¶621110845
NEIC IX 14 19 41 27.4–1.3 56.79N–.09 139.48E–.05 10–1 4.3b,3.7b
YARS IX 14 19 41 29.7 56.98N 139.23E 30 4.2L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=8.8km az=140.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.2km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 14 29 13.8–.39 51.14N–.04 151.47E–.04 468–4 4.2b 586 3-149
BGR VIII 28 14 28 27.0 51.12N 153.21E 33 4.7b ¶621009870
KRSC VIII 28 14 29 11.6–2.1 50.97N 151.61E 492–38 5.3L
SKHL VIII 28 14 29 13.1–.80 51.10N 151.70E 516–5 5.9,5.5b
MOS VIII 28 14 29 13.4–.82 51.14N 151.53E 482 4.3b,5.5b
GFZ VIII 28 14 29 14.5–.35 51N–5.0 151E–5.0 468–5 4.5b,4.4
IDC VIII 28 14 29 14.8–.63 51.29N 151.28E 468–7 4.6,3.6b
NEIC VIII 28 14 29 14.3–1.6 51.3N–.10 151.3E–.20 465–7 4.3b,3.6b
ISC Event type ke.
BGR Event type ke.
KRSC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 03 10 14 26.2–.21 49.35N–.02 147.01E–.02 586–1 5.4b 2136 3-154
NIED IX 03 10 14 22.9 48.98N 147.64E 628 5.8W ¶621026100
JMA IX 03 10 14 22.9–.32 49N–2.0 148E–4.0 628 5.9,5.8W
SKHL IX 03 10 14 24.9–.30 49.30N 147.30E 577–7 6.5b,6.4
BJI IX 03 10 14 24.0 49.31N 147.06E 574 5.8b,5.7b
KRSC IX 03 10 14 24.3–1.9 49.24N 147.28E 586–26 5.8L,5.7b
MOS IX 03 10 14 24.8–.78 49.35N 147.06E 589 5.3b,5.7b
GFZ IX 03 10 14 25.9–.24 49N–2.0 147E–2.0 572–3 5.4,5.4b
IPGP IX 03 10 14 26.0 49.47N 146.99E 595 5.8W,5.4b
NEIC IX 03 10 14 26.5–1.0 49.49N–.08 147.0E–.10 585–1 5.9,5.4b
NEIC IX 03 10 14 26.5 49.48N 146.96E 583 5.9,5.4b
NEIC IX 03 10 14 26.5 49.48N 146.96E 583 5.9,5.4b
IDC IX 03 10 14 27.0–.42 49.47N 147.01E 590–4 5.8,4.8b
GFZ IX 03 10 14 27.6 49.37N 147.01E 600 5.8W,4.8b
GCMT IX 03 10 14 29.0–.10 49.44N–.01 146.87E–.01 588–0 5.8W,4.8b
NEIC IX 03 10 14 30.9 49.18N 147.11E 600 5.8,4.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}4.94 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$-4.24 $M_{r\theta}$-1.64 $M_{\theta\phi}$-0.38 $M_{\phi r}$-3.56 NP1:ϕ_s359.00000°,δ26.00000°,λ73.00000°. NP2:ϕ_s197.00000°,δ65.00000°,λ98.00000°. M_o6.03000×10^{17}
JMA Event type fe. SOUTHERN SEA OF OKHOTSK .
KRSC Event type se.
MOS Error ellipse: s-maj=5.7km s-min=4.4km az=73.5.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IPGP Moment Tensor Solution. NP1:ϕ_s39.00000°,δ31.00000°,λ125.00000°. NP2:ϕ_s180.00000°,δ65.00000°,λ71.00000°.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=13.5km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.98 $M_{\theta\theta}$-1.37 $M_{\phi\phi}$-5.61 $M_{r\theta}$0.77 $M_{\theta\phi}$-1.72 $M_{\phi r}$-4.44 NP1:ϕ_s30.04000°,δ30.51000°,λ112.04000°. NP2:ϕ_s184.88000°,δ61.93000°,λ77.53000°. Principal axes: T 8.5487,Plg70.0000°,Azm68.0000° ; N -1.1932,Plg11.0000°,Azm191.0000°; P -7.3555,Plg16.0000°,Azm284.0000° M_o8.02000×10^{17}
NEIC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=6.6km s-min=5.3km az=106.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.72 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$-3.59 $M_{r\theta}$0.91 $M_{\theta\phi}$-1.65 $M_{\phi r}$-2.79 NP1: ϕ_s186.79424°,δ60.38865°,λ70.93775°. NP2:ϕ_s41.76007°,δ34.74235°,λ119.88368°. Principal axes: T 5.8391,Plg68.5031°,Azm57.7293°; N -0.9213,Plg16.4956°,Azm196.4834° ; P -4.9178,Plg13.3945°,Azm290.5271° M_o5.43733×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202109031014A. Moment Tensor Solution. s143,c304; s86,c94;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.09±.05 $M_{\theta\theta}$-0.90±.08; $M_{\phi\phi}$-4.19±.08; $M_{r\theta}$0.45±.08; $M_{\theta\phi}$-1.69±.07; $M_{\phi r}$-3.23±.07; Best double couple: NP1: ϕ_s36.00000°,δ32.00000°,λ114.00000°. NP2:ϕ_s188.00000°,δ61.00000°,λ76.00000°. Principal axes: T 6.2290,Plg70.0000°,Azm67.0000°; N -0.5600,Plg12.0000°,Azm195.0000° ; P -5.6690,Plg15.0000°,Azm288.0000° M_o5.94900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.20 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-4.17 $M_{r\theta}$0.21 $M_{\theta\phi}$-1.56 $M_{\phi r}$-3.47 NP1:ϕ_s33.05000°,δ29.90000° ,λ111.13000°. NP2:ϕ_s189.02000°,δ62.29000°,λ78.29000°. Principal axes: T 6.4144,Plg70.0000°,Azm74.0000°; N -0.6636,Plg10.0000°,Azm195.0000° ; P -5.7509,Plg17.0000°,Azm288.0000° M_o6.11000×10^{17}
ISC X 27 02 42 31.9–.35 57.93N–.03 153.11E–.02 12–1 5.2b,4.5s 1273 2-149
KRSC X 27 02 42 27.4–2.8 57.79N 153.08E 6–49 5.5L,5.3 ¶621241128
IDC X 27 02 42 29.9–.36 57.83N 153.10E 0 4.8b,4.7
NERS X 27 02 42 29.4 57.86N 153.08E 12 4.8b,4.7
MOS X 27 02 42 30.1–.82 57.86N 153.13E 12 5.4b,4.7s
NEIC X 27 02 42 31.7–1.1 57.90N–.06 153.1E–.10 10–1 5.3b,4.9
GFZ X 27 02 42 32.6–.21 58N–2.0 153E–2.0 11–1 5.8b,5.6L
GCMT X 27 02 42 33.1–.20 57.85N–.02 153.07E–.02 12 4.9W,5.6L
BGR X 27 02 42 41.9 58.40N 152.12E 33 5.5b,4.3s
ISC Event type ke.
KRSC Event type se. Felt [I-II] at Magadan.
IDC Error ellipse: s-maj=9.2km s-min=8.7km az=159.0.
NERS Event type se.
MOS Event type fe. Error ellipse: s-maj=6.6km s-min=3.6km az=104.3. Felt (III) at Magadan. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.9km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=5.3km s-min=4.6km az=140.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110270242A. Moment Tensor Solution. s43,c52; s99,c161; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.58±.08 $M_{\theta\theta}$0.49±.08; $M_{\phi\phi}$-3.08±.06; $M_{r\theta}$0.76±.29; $M_{\theta\phi}$0.10±.06; $M_{\phi r}$-0.98±.20; Best double couple: NP1:ϕ_s15.00000°,δ38.00000° ,λ116.00000°. NP2:ϕ_s163.00000°,δ57.00000°,λ71.00000°. Principal axes: T 2.9670,Plg71.0000°,Azm28.0000°; N 0.2860,Plg16.0000°,Azm174.0000° ; P -3.2600,Plg10.0000°,Azm266.0000° M_o3.11300×10^{16}
BGR Event type ke.
ISC X 27 04 08 58.8–1.6 57.89N–.06 153.15E–.05 4–19 27 2-5
KRSC X 27 04 09 00.3–1.9 57.59N 152.35E 8–72 3.9L ¶625074513
NERS X 27 04 09 04.7 58.08N 153.14E 18 3.9L
ISC Event type se.
KRSC Event type se.
NERS Event type se.
ISC XI 13 05 02 53.8–.79 46.00N–.03 145.03E–.04 25–5 4.5b,3.5s 281 2-154
IDC XI 13 05 02 49.1–.51 46.07N 144.98E 0 4.0b,4.0 ¶621402633
GFZ XI 13 05 02 50.9–.21 46N–4.0 145E–3.0 10 5.9b,5.4
MOS XI 13 05 02 51.0–1.0 45.99N 145.00E 17 4.7b,5.4
NIED XI 13 05 02 52.9 45.83N 145.00E 14 4.3W,5.4
BJI XI 13 05 02 52.6 46.03N 144.67E 12 4.6b,4.2b
JMA XI 13 05 02 52.9–.36 46N–1.0 145E–1.0 14 4.4,4.2b
NEIC XI 13 05 02 52.7–.87 46.05N–.03 144.83E–.09 10–1 4.6b,4.2b
SKHL XI 13 05 02 54.3–.50 46.00N 145.10E 51–5 5.2b,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=9.7km az=137.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=7.5km s-min=4.7km az=97.1.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.82 $M_{\theta\theta}$-2.81 $M_{\phi\phi}$0.99 $M_{r\theta}$1.42 $M_{\theta\phi}$0.52 $M_{\phi r}$-0.73 NP1:ϕ_s254.00000°,δ33.00000°,λ54.00000°. NP2:ϕ_s115.00000° ,δ64.00000°,λ111.00000°. M_o2.89000×10^{15}
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.9km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 12 23 50 02.5–.44 53.25N–.06 153.33E–.05 539–5 4.3b 330 2-148
KRSC XII 12 23 49 59.9–1.3 52.97N 154.01E 585–18 4.8L ¶621627927
MOS XII 12 23 50 01.9–.66 53.34N 153.24E 539 4.2b
IDC XII 12 23 50 03.4–.94 53.31N 153.18E 544–11 4.4,3.5b
NEIC XII 12 23 50 03.3–1.4 53.37N–.09 153.2E–.10 540–7 4.4b,3.5b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(664) Southeastern China.

ISC VII 08 21 26 38.5–8.3 24N–1.0 105.3E–.30 35 3.5b 6 23-39
IDC VII 08 21 26 34.7–8.0 24.42N 105.22E 0 3.9s,3.6b ¶620928200
ISC Event type se.
IDC Error ellipse: s-maj=143.7km s-min=37.8km az=2.0.
ISC VIII 21 02 20 11.6–.54 27.17N–.03 105.38E–.03 12–3 4.8b,4.0s 431 1-98
IDC VIII 21 02 20 09.7–.52 27.21N 105.38E 0 4.5L,4.3b ¶620999182
BJI VIII 21 02 20 09.7 27.13N 105.31E 10 4.8b,4.6b
MOS VIII 21 02 20 09.3–.90 27.11N 105.42E 12 4.9b,4.4s
NEIC VIII 21 02 20 11.7–1.8 27.19N–.07 105.42E–.02 10–1 4.9b,4.4s
GFZ VIII 21 02 20 12.4–.28 27N–3.0 105E–5.0 10 4.7,4.6b
BGR VIII 21 02 20 15.8 27.22N 104.86E 15 4.9b,4.4s
ISC Event type ke.
IDC Error ellipse: s-maj=13.3km s-min=11.3km az=71.0.
MOS Error ellipse: s-maj=8.2km s-min=4.5km az=122.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=3.4km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
ISC VIII 04 11 12 54.2–.40 23.36N–.03 106.74E–.04 10 4.5b,3.5s 103 1-79
BJI VIII 04 11 12 52.1 23.40N 106.72E 10 4.9b,4.8L ¶620997304
IDC VIII 04 11 12 52.5–.81 23.37N 106.90E 0 4.1L,4.0b
BKK VIII 04 11 12 54.8–.50 23N–5.0 107E–5.0 15 5.5L,4.9b
NEIC VIII 04 11 12 55.3–1.1 23.40N–.07 106.80E–.03 14–4 4.5b,4.9b
PLV VIII 04 11 12 56.9–2.1 23.26N 106.68E 19–441 4.5L,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=14.5km az=117.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=2.6km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PLV Event type se. Error ellipse: s-maj=12.0km s-min=8.4km az=-1.0. Presumed earthquake.
IDC VII 25 09 10 02.4–1.2 28.75N 106.43E 0 3.6b,3.6
¶620973756
IDC Error ellipse: s-maj=239.1km s-min=22.1km az=57.0.
ISC IX 11 07 05 45.3–.42 23.40N–.03 106.55E–.04 10 4.2b,3.5s 93 1-76
IDC IX 11 07 05 42.5–.91 23.48N 107.04E 0 4.3L,3.9b ¶621108568
BJI IX 11 07 05 43.0 23.39N 106.71E 10 4.7L,4.7b
NEIC IX 11 07 05 45.0–2.5 23.29N–.06 106.71E–.05 10–1 4.6b,4.7b
PLV IX 11 07 05 45.2–.62 23.29N 106.69E 10–999 4.5L,4.7b
BKK IX 11 07 05 56.8–1.7 22N–9.0 106E–12 10 5.0b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PLV Event type se. Presumed earthquake.
IDC IX 21 06 45 28.6–1.4 34.56N 113.64E 0 3.6L,3.6b
¶621116020
IDC Error ellipse: s-maj=33.0km s-min=20.5km az=5.0.
ISC X 08 23 32 52.9–.76 35.65N–.08 109.18E–.06 10 3.6b 15 4-63
IDC X 08 23 32 50.8–1.2 35.56N 109.20E 0 4.2L,3.7 ¶621224681
ISC Event type se.

IDC Error ellipse: s-maj=47.8km s-min=18.2km az=54.0.
IDC IX 29 23 43 53.9–5.8 26.55N 105.66E 0 3.9b,3.9 ¶621146408
IDC Error ellipse: s-maj=109.2km s-min=69.8km az=137.0.
ISC XII 10 11 25 37.6–.42 27.74N–.04 105.28E–.04 10 4.3b,3.6s 91 3-117
NEIC XII 10 11 25 37.1–1.0 27.55N–.06 105.23E–.10 14–4 4.4b,3.6s **¶621627185**
IDC XII 10 11 25 39.3–.66 28.16N 105.27E 0 4.2b,4.2
BJI XII 10 11 25 40.1 28.15N 105.11E 14 4.8b,4.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.5km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.7km s-min=13.8km az=79.0.
ISC XI 24 09 16 40.1–.31 26.89N–.03 106.68E–.03 10 4.7b,3.3s 288 0-148
IDC XI 24 09 16 37.6–.57 26.84N 106.75E 0 4.6L,4.3b **¶621453093**
BJI XI 24 09 16 38.6 26.84N 106.71E 10 4.8b,4.6b
MOS XI 24 09 16 38.4–1.0 26.80N 106.74E 17 4.8b,4.6b
NEIC XI 24 09 16 40.0–1.1 26.90N–.07 106.69E–.09 10–1 4.9b,4.6b
GFZ XI 24 09 16 40.3–.24 27N–4.0 107E–3.0 10 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 22 13 46 18.2–.42 31.71N–.04 120.19E–.04 10 4.1b,3.6s 95 1-80
IDC XII 22 13 46 16.8–.67 31.62N 120.30E 0 3.9b,3.8 **¶621648299**
BJI XII 22 13 46 16.7 31.76N 119.99E 10 4.5L,4.4b
NEIC XII 22 13 46 18.1–.83 31.69N–.07 120.21E–.09 10–1 4.2b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(665) Yellow Sea.

ISC XII 03 12 08 23.1–.63 35.74N–.06 124.06E–.06 10 3.8b,3.5s 25 4-90
IDC XII 03 12 08 21.2–.81 35.69N 124.04E 0 3.6b,3.6 **¶621630594**
KEA XII 03 12 08 28.5 36.20N 124.32E 1 4.2L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=10.7km az=6.0.
ISC VIII 21 00 40 41.9–.33 35.66N–.02 124.64E–.03 10 4.5b,3.4s 319 1-99
IDC VIII 21 00 40 39.8–.65 35.60N 124.65E 0 4.2b,4.1 **¶620999178**
MOS VIII 21 00 40 39.7–.93 35.64N 124.64E 7 4.7b,4.1
KMA VIII 21 00 40 40.6–.48 35.70N 124.70E 8–4 4.7b,4.1
EVBIB VIII 21 00 40 40 35.700N–.00 124.702E–.00 2–0 4.0W,4.1
EVBIB VIII 21 00 40 40 35.703N–.00 124.698E–.00 2–0 4.2W,4.1
GFZ VIII 21 00 40 43.0–.28 36N–5.0 125E–3.0 10 4.6b,4.6
NEIC VIII 21 00 40 42.5–1.5 35.71N–.07 124.66E–.06 10–1 4.6b,4.6
BJI VIII 21 00 40 42.2 35.73N 124.73E 10 4.7b,4.5b
KEA VIII 21 00 40 59.0 36.32N 124.78E 18 4.0L,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=9.9km az=179.0.
MOS Error ellipse: s-maj=7.5km s-min=5.9km az=123.9.
KMA Error ellipse: s-maj=5.0km s-min=2.4km az=80.0.
EVBIB 3D velocity model. Song JH et al. 2022. Moment Tensor Solutions for Earthquakes in the Southern Korean Peninsula Using Three-Dimensional Seismic Waveform Simulations, Front. Earth Sci.,Sec. Solid Earth Geophysics. https://doi.org/10.3389/feart.2022.945022 (05 July 2022). Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}8.06±.42 $M_{\theta\theta}$-1.38±.27; $M_{\phi\phi}$-6.68±.24; $M_{r\theta}$3.52±.22; $M_{\theta\phi}$4.79±.13; $M_{\phi r}$4.78±.25;
EVBIB 1D regional velocity model. Song JH et al. 2022. Moment Tensor Solutions for Earthquakes in the Southern Korean Peninsula Using Three-Dimensional Seismic Waveform Simulations, Front. Earth Sci.,Sec. Solid Earth Geophysics. https://doi.org/10.3389/feart.2022.945022 (05 July 2022). Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.54±.08 $M_{\theta\theta}$-0.25±.07; $M_{\phi\phi}$-1.29±.04; $M_{r\theta}$0.15±.10; $M_{\theta\phi}$0.89±.04; $M_{\phi r}$0.36±.04;
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=7.1km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 17 05 54 30.6–.65 33.61N–.03 121.14E–.03 15–3 5.0b,4.6s 750 2-153
IDC XI 17 05 54 27.7–.44 33.57N 121.23E 0 4.8b,4.7 **¶621413521**
MOS XI 17 05 54 27.5–.88 33.51N 121.19E 10 5.2b,5.1s
BJI XI 17 05 54 28.5 33.50N 121.19E 17 5.2L,5.1s
NEIC XI 17 05 54 29.8–1.4 33.53N–.06 121.18E–.07 10–1 5.0b,5.1s
GFZ XI 17 05 54 30.2 33.57N 121.16E 16 5.0W,5.1s
GFZ XI 17 05 54 30.2–.12 34N–2.0 121E–3.0 10 5.8L,5.6b
NEIC XI 17 05 54 30.1 33.55N 121.14E 10 5.8L,5.6b
GCMT XI 17 05 54 31.0–.10 33.52N–.01 121.11E–.01 13–0 5.0W,5.6b
KEA XI 17 05 54 37.0 33.43N 121.56E 18 5.1L,5.6b
NEIC XI 17 05 54 38 33.55N 121.14E 12 5.0,5.6b
BGR XI 17 05 54 43.4 34.71N 119.97E 33 5.0b,5.6b
ISC Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=8.8km az=4.0.
MOS Error ellipse: s-maj=5.7km s-min=3.8km az=116.4.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.6km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.79 $M_{\theta\theta}$0.67 $M_{\phi\phi}$-2.46 $M_{r\theta}$1.22 $M_{\theta\phi}$3.47 $M_{\phi r}$0.37 NP1: ϕ_s107.37221°,δ69.87848°,λ26.66907°. NP2:ϕ_s7.56900°,δ65.07434°,λ157.70679°. Principal axes: T 3.7036,Plg32.7693°,Azm328.6541°; N 1.0174,Plg57.0423°,Azm141.7800° ; P -4.7210,Plg3.1386°,Azm236.6314° $M_0$4.30346×10^{16}
GFZ Error ellipse: s-maj=5.5km s-min=4.2km az=72.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111170554A. Moment Tensor Solution. s60,c77; s124,c194; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.50±.09 $M_{\theta\theta}$0.56±.08; $M_{\phi\phi}$-2.06±.09; $M_{r\theta}$1.45±.23; $M_{\theta\phi}$4.03±.08; $M_{\phi r}$0.72±.19; Best double couple: NP1:ϕ_s5.00000°,δ68.00000° ,λ160.00000°. NP2:ϕ_s103.00000°,δ72.00000°,λ23.00000°. Principal axes: T 4.3740,Plg29.0000°,Azm325.0000°; N 0.6250,Plg61.0000°,Azm139.0000° ; P -5.0000,Plg3.0000°,Azm234.0000° $M_0$4.68700×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}1.83 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-2.22 $M_{r\theta}$2.15 $M_{\theta\phi}$3.56 $M_{\phi r}$0.53 NP1:ϕ_s3.66000°,δ57.99000°,λ155.90000°. NP2:ϕ_s107.00000°,δ69.74000°,λ34.41000°. Principal axes: T 4.5077,Plg38.0000° ,Azm329.0000°; N 0.3005,Plg51.0000°,Azm134.0000°; P -4.8081,Plg7.0000°,Azm233.0000° $M_0$4.67000×10^{16}
BGR Event type ke.
ISC XII 08 09 18 59.9–.95 33.72N–.08 121.22E–.10 10 3.5b 14 6-74
IDC XII 08 09 18 57.3–1.1 33.53N 121.20E 0 3.6b,3.5 **¶621634688**
KEA XII 08 09 19 00.4 34.17N 121.22E 1 3.3L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=14.1km az=161.0.

SEISMIC REGION 42.
Northeastern Asia, Northern Alaska to Greenland.

(668) New Siberian Islands.

ISC VII 31 00 31 45.8–.89 75.23N–.04 135.88E–.04 12–5 4.7b,3.8s 468 4-165
BJI VII 31 00 31 43.0 75.20N 136.10E 10 4.8b,4.6s **¶620923877**
IDC VII 31 00 31 43.9–.39 75.29N 136.18E 0 4.6L,4.3b
MOS VII 31 00 31 44.4–1.1 75.21N 135.95E 9 4.8b,4.0s
NEIC VII 31 00 31 45.2–1.4 75.26N–.09 136.0E–.30 10–1 4.8b,4.0s
GCMT VII 31 00 31 47.5–.30 75.21N–.04 135.88E–.08 12–1 4.7W,4.0s
GFZ VII 31 00 31 47.1–.18 75N–4.0 136E–2.0 10 4.7b,4.7
YARS VII 31 00 31 47.9 74.97N 135.48E 10 4.8b,4.0L
FCIAR VII 31 00 31 50.0 74.71N 134.28E 10 4.8b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=10.0km s-min=9.1km az=120.0.
MOS Error ellipse: s-maj=23.4km s-min=6.2km az=96.5.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.2km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107310031A. Moment Tensor Solution. s15,c17; s77,c113; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.03±.11 $M_{\theta\theta}$-0.26±.07; $M_{\phi\phi}$1.29±.08; $M_{r\theta}$-0.54±.28; $M_{\theta\phi}$-0.24±.05; $M_{\phi r}$0.67±.19; Best double couple: NP1:ϕ_s13.00000°,δ33.00000° ,λ-54.00000°. NP2:ϕ_s152.00000°,δ64.00000°,λ-111.00000°. Principal axes: T 1.5470,Plg17.0000°,Azm257.0000°; N -0.1510,Plg19.0000°,Azm162.0000° ; P -1.3990,Plg65.0000°,Azm26.0000° $M_0$1.47300×10^{16}
GFZ Error ellipse: s-maj=8.3km s-min=4.9km az=179.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
FCIAR station ZFI2 has station magnitude of 3.5.

(670) Near north coast of eastern Siberia.

YARS VIII 18 16 50 44.8 71.30N 131.50E 10 4.1b,3.1L ¶625387996
ISC IX 12 19 04 37.7–.40 70.30N–.05 130.02E–.06 10 4.1b,2.9s 133 1-149
IDC IX 12 19 04 35.9–.50 70.28N 130.15E 0 3.9b,3.9 **¶621070701**
MOS IX 12 19 04 36.2–1.1 70.26N 129.96E 11 4.4b,3.9
FCIAR IX 12 19 04 37.0 70.20N 130.08E 10 4.4b,3.9
NEIC IX 12 19 04 39.2–2.4 70.30N–.07 129.7E–.30 18–5 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(671) Eastern Siberia.

ISC VII 17 09 54 52.8–1.1 63.45N–.05 152.10E–.04 10 22 1-9
YARS VII 17 09 54 53.9 63.29N 152.19E 3 3.4L **¶625074172**
NERS VII 17 09 54 56.1 63.20N 152.00E 8 3.4L
ISC Event type se.
NERS Event type se.
KRSC VII 18 14 10 27.1–.21 61.59N 169.97E 28–6 4.2L ¶620833529
KRSC Event type se.
YARS VII 24 10 02 35.9 65.50N 139.72E 15 3.6L ¶625387858
ISC XII 13 02 48 25.2–1.2 63.20N–.04 154.31E–.02 7–8 4.3b,3.7s 191 1-145
MOS XII 13 02 48 24.3–1.0 63.26N 154.18E 11 4.4b,3.7s **¶621627932**
IDC XII 13 02 48 25.0–.51 63.26N 154.32E 0 5.3L,4.0b
NEIC XII 13 02 48 25.9–1.6 63.22N–.06 154.2E–.20 10–1 4.4b,4.0b
NERS XII 13 02 48 27.3 62.99N 154.35E 19 4.4b,4.0b
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=14.6km s-min=7.0km az=82.2. Felt (II) at Seimchan. Moment Tensor Solution.
IDC Error ellipse: s-maj=14.1km s-min=8.5km az=144.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=2.9km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NERS Event type se.
YARS VIII 07 19 56 36.5 65.23N 146.09E 10 3.5L ¶625387943
ISC VIII 14 09 33 45.7–1.2 64.73N–.03 147.43E–.03 3–13 46 2-7
NERS VIII 14 09 33 48.2 64.72N 147.41E 4 **¶625074208**
YARS VIII 14 09 33 49.0 64.72N 147.48E 5 3.5L
ISC Event type se.
NERS Event type se.
ISC X 09 06 54 12.5–.30 63.34N–.03 158.47E–.03 10 4.8b,4.2s 432 1-153
IDC X 09 06 54 10.9–.47 63.31N 158.38E 0 4.5b,4.5 **¶621143709**
BJI X 09 06 54 11.6 63.33N 158.54E 14 5.0s,4.9b
MOS X 09 06 54 11.5–.90 63.40N 158.35E 12 5.0b,4.2s
NERS X 09 06 54 11.0 63.38N 158.42E 12 5.0b,4.2s
NEIC X 09 06 54 12.5–1.4 63.38N–.07 158.4E–.20 10–1 4.8b,4.2s
GFZ X 09 06 54 13.7–.21 63N–4.0 158E–3.0 10 5.9L,5.7b
GCMT X 09 06 54 14.2–.20 63.38N–.01 158.36E–.03 24–1 4.9W,5.7b
ISC Event type se.
NERS Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110090654A. Moment Tensor Solution. s40,c48; s106,c162; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.26±.11 $M_{\theta\theta}$2.58±.10; $M_{\phi\phi}$-2.32±.09; $M_{r\theta}$0.32±.13; $M_{\theta\phi}$1.56±.08; $M_{\phi r}$0.23±.12; Best double couple: NP1:ϕ_s119.00000°,δ83.00000° ,λ2.00000°. NP2:ϕ_s29.00000°,δ88.00000°,λ173.00000°. Principal axes: T 3.0770,Plg6.0000° ,Azm344.0000°; N -0.2970,Plg83.0000°,Azm190.0000°; P -2.7820,Plg3.0000°,Azm74.0000° $M_0$2.92900×10^{16}
YARS X 09 09 25 52.1 68.26N 131.59E 25 3.5L ¶625388190
ISC X 19 04 48 40.9–.41 63.35N–.04 158.40E–.03 10 4.2b 111 1-89
MOS X 19 04 48 39.7–.95 63.38N 158.37E 8 4.4b **¶621211191**
NERS X 19 04 48 40.3 63.34N 158.39E 7 4.4b
IDC X 19 04 48 40.0–.59 63.41N 158.41E 0 5.0L,4.1
NEIC X 19 04 48 41.5–.71 63.36N–.07 158.5E–.10 10–1 4.2b,4.1
ISC Event type se.
NERS Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
YARS X 30 19 22 08.3 61.78N 139.12E 30 3.6L ¶625388284
KRSC XII 31 04 23 35.2–1.2 61.24N 168.43E 4–18 3.8L ¶621657853
KRSC Event type se.

(672) Chukchi Sea.

ISC VIII 09 17 30 40.2–.45 67.38N–.04 170.13W–.03 10 3.7b,3.1s 111 2-81
AEIC VIII 09 17 30 35.4–2.1 67.38N–.06 171.67W–.02 36–9 3.7b,3.1s **¶620979386**
NEIC VIII 09 17 30 39.4–1.4 67.27N–.07 170.58W–.05 10–1 4.2b,4.1L
NERS VIII 09 17 30 40.4 67.15N 169.54W 24 4.2b,4.1L
IDC VIII 09 17 30 40.7–.90 68.03N 170.27W 0 3.6b,3.6
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.5km s-min=1.0km az=184.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=3.9km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NERS Event type se.
IDC Error ellipse: s-maj=27.5km s-min=13.7km az=9.0.
ISC VIII 25 23 32 29.2–1.2 67.23N–.06 170.19W–.07 10 47 2-11
NEIC VIII 25 23 32 27.7–1.6 67.27N–.07 170.6W–.20 10–2 3.5 **¶621007388**
NERS VIII 25 23 32 32.0 67.09N 169.80W 0 3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.1km az=297.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NERS Event type se.
ISC VIII 26 10 19 27.6–.53 67.20N–.04 170.08W–.05 10 3.7b,3.3s 96 2-74
IDC VIII 26 10 19 26.7–.77 67.25N 170.33W 0 3.7b,3.7 **¶621058989**
NERS VIII 26 10 19 27.8 67.19N 169.69W 0 3.7b,3.7
NEIC VIII 26 10 19 28.8–1.2 67.21N–.05 170.1W–.20 15–5 3.8L,3.5
AEIC VIII 26 10 19 28.5–1.4 67.21N–.06 170.1W–.20 21–6 3.8L,3.5
ISC Event type se.
NERS Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(673) Bering Strait.

ISC IX 16 15 57 50.8–.45 67.23N–.04 169.96W–.04 10 3.8b,3.3s 124 2-86
NERS IX 16 15 57 48.3 67.20N 169.63W 26 3.8b,3.3s **¶621112897**
IDC IX 16 15 57 50.0–.79 67.34N 170.29W 0 3.8b,3.8

NEIC IX 16 15 57 50.9–1.8 67.25N–.05 170.06W–.07 10–1 4.2b,3.8L
AEIC IX 16 15 57 50.4–7.2 67.16N–.05 169.42W–.09 10–4 4.2b,3.8L
ISC Event type se.
NERS Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VIII 26 04 49 55.5–.44 67.23N–.04 169.96W–.05 10 4.1b 146 2-74
NERS VIII 26 04 49 54.2 67.13N 169.64W 33 4.1b **¶621008165**
IDC VIII 26 04 49 55.0–.74 67.32N 170.28W 0 3.9b,3.9
NEIC VIII 26 04 49 55.3–1.4 67.24N–.04 170.0W–.20 10–1 4.3b,4.1L
AEIC VIII 26 04 49 55.7–1.8 67.21N–.05 170.1W–.20 29–6 4.3b,4.1L
ISC Event type se.
NERS Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(675) Beaufort Sea.

ISC VIII 01 02 56 37.5–.67 72.68N–.05 136.68W–.06 10 4.0b 51 4-63
IDC VIII 01 02 56 37.1–.77 72.89N 137.63W 0 4.0L,3.9 **¶620986168**
PGC VIII 01 02 56 42.7–.11 72.78N 136.97W 35 3.6L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=18.3km s-min=11.6km az=92.0.
PGC Event type ke. 364km northeast of Herschel, Yt Beaufort Sea.
PGC XII 05 09 42 18.2–.18 71.56N 134.94W 35 3.8L
¶626196419
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=-1.0. 244km northeast of Tuktoyaktuk, Nt Beaufort Sea.
PGC X 07 11 04 03.6–.18 71.78N 134.47W 35 3.6L
¶626196186
PGC Event type ke. 263km northeast of Tuktoyaktuk, Nt Beaufort Sea.
PGC X 31 03 45 12.9–.16 70.92N 137.32W 35 3.7L
¶626196371
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=-1.0. 161km northeast of Herschel, Yt Beaufort Sea.

(676) Northern Alaska.

ISC VII 08 09 50 53.8–.88 68.61N–.03 148.55W–.03 10 51 0-47
NEIC VII 08 09 50 53.5–.96 68.61N–.03 148.64W–.06 2–7 3.3L,3.2L **¶620928174**
AEIC VII 08 09 50 54.1–1.1 68.64N–.04 148.7W–.10 6–7 3.3L,3.2L
IDC VII 08 09 50 55.9–3.0 68.51N 148.19W 0 3.4,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=2.6km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.2km az=140.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.4km s-min=15.3km az=123.0.
ISC VII 08 14 17 20.6–.48 68.61N–.03 148.61W–.03 10 4.0b,3.3s 94 0-65
AEIC VII 08 14 17 19.3–1.3 68.60N–.02 148.63W–.05 17–2 4.0b,3.3s **¶620928187**
NEIC VII 08 14 17 19.9–1.1 68.60N–.01 148.60W–.03 2–5 4.2b,4.1L
IDC VII 08 14 17 19.5–.66 68.69N 148.88W 0 3.9L,3.9
NEIC VII 08 14 17 20 68.60N 148.59W 3 3.9L,3.9
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=2.9km s-min=2.2km az=72.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.0km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-2.75 $M_{\theta\theta}$-7.18 $M_{\phi\phi}$9.93 $M_{r\theta}$-0.68 $M_{\theta\phi}$0.58 $M_{\theta r}$0.30 NP1:ϕ_s137.28000°,δ84.83000°,λ-173.05000°. NP2:ϕ_s46.65000°,δ83.08000°,λ-5.20000°. Principal axes: T 9.9599,Plg1.0000°,Azm272.0000°; N -2.6530,Plg81.0000°,Azm174.0000°; P -7.3069,Plg9.0000°,Azm2.0000° $M_0$8.93000×10^{14}
IDC Error ellipse: s-maj=15.4km s-min=10.1km az=57.0.
NEIC Event type se.
ISC VII 17 02 22 06.0–.87 65.54N–.02 148.39W–.03 7 63 0-5
NEIC VII 17 02 22 06.4–.90 65.53N–.03 148.36W–.05 10–2 2.8L,2.8L **¶620833037**
AEIC VII 17 02 22 06.2–1.5 65.56N–.03 148.40W–.04 4–7 2.8L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VII 29 22 56 15.7–1.1 65.18N–.02 154.23W–.03 7–10 108 0-12
NEIC VII 29 22 56 15.9–.74 65.185N–.01 154.26W–.05 10–6 3.5L,3.3L **¶620882999**
NEIC VII 29 22 56 15 65.18N 154.22W 13 3.4,3.3L
AEIC VII 29 22 56 16.3–.86 65.17N–.02 154.25W–.02 8–6 3.4,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.33000×10^{14}
AEIC Event type se. hypocenter. manual.
ISC VIII 08 12 37 17.1–1.4 64.38N–.04 162.98W–.04 11–11 99 0-8
NEIC VIII 08 12 37 17.7–1.2 64.37N–.03 162.91W–.06 13–7 3.8,3.8L **¶620976422**
AEIC VIII 08 12 37 17.2–1.4 64.35N–.03 162.87W–.06 15–6 3.8,3.8L
NEIC VIII 08 12 37 17.7 64.36N 162.92W 14 3.8,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.9km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.08 $M_{\theta\theta}$5.70 $M_{\phi\phi}$-4.61 $M_{r\theta}$-0.62 $M_{\theta\phi}$-2.57 $M_{\theta r}$-0.01 NP1:ϕ_s238.20000°,δ88.23000°,λ175.23000°. NP2:ϕ_s328.35000°,δ85.23000°,λ1.77000°. Principal axes: T 6.3531,Plg5.0000°,Azm193.0000°; N -1.1278,Plg85.0000°,Azm38.0000°; P -5.2253,Plg2.0000°,Azm283.0000° $M_0$5.87000×10^{14}
AEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.1km az=220.0. hypocenter. manual.
NEIC Event type se.
NEIC IX 11 05 58 28.5–1.1 68.30N–.02 158.28W–.06 10–1 3.6L,3.4L
AEIC IX 11 05 58 27.9–.85 68.28N–.02 158.21W–.05 3–6 3.6L,3.4L **¶621069035**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IX 07 10 11 20.2–1.3 69.16N–.04 144.64W–.03 4–11 99 1-50
NEIC IX 07 10 11 20.6–1.0 69.18N–.03 144.64W–.09 9–7 3.3L,3.2L **¶621039600**
AEIC IX 07 10 11 20.7–1.0 69.17N–.02 144.60W–.08 3–6 3.3L,3.2L
IDC IX 07 10 11 21.0–1.6 69.13N 144.75W 0 3.6b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=4.0km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=57.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.8km s-min=12.3km az=142.0.
NEIC XI 28 01 39 47.3–1.1 66.99N–.03 146.48W–.05 16–8 3.8L,3.7L
AEIC XI 28 01 39 47.1–1.6 66.96N–.03 146.52W–.05 11–1 3.8L,3.7L **¶621480561**
NEIC XI 28 01 39 47 66.96N 146.48W 16 3.5,3.7L
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=1.8km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.4km az=153.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$2.40000×10^{14}
NEIC IX 27 22 30 28.7–1.9 69.71N–.08 144.5W–.10 23–9 3.5L,3.4L
AEIC IX 27 22 30 27.4–1.9 69.59N–.03 144.72W–.08 21–8 3.5L,3.4L **¶621111121**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XI 07 05 56 04.5–.61 69.60N–.04 144.30W–.03 14 3.6b 146 0-56
AEIC XI 07 05 56 02.9–1.4 69.63N–.04 144.15W–.09 23–7 3.6b **¶621372484**
NEIC XI 07 05 56 04.0–1.0 69.59N–.04 144.3W–.10 10–2 3.6b,3.6L
IDC XI 07 05 56 03.8–1.2 69.64N 144.44W 0 3.7b,3.7
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.5km az=173.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.4km az=41.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=14.9km az=118.0.
ISC XI 16 11 08 51.6–1.1 67.37N–.03 156.15W–.02 3–8 4.0b 163 0-79
AEIC XI 16 11 08 52.1–1.3 67.33N–.03 156.16W–.07 7–1 4.0b **¶621412329**
NEIC XI 16 11 08 52.2 67.34N 156.13W 10 4.0b
IDC XI 16 11 08 52.1–.71 67.42N 156.18W 0 3.8b,3.8
NEIC XI 16 11 08 52.4–1.2 67.33N–.02 156.16W–.05 10–1 4.2b,3.6
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-3.42 $M_{\theta\theta}$1.64 $M_{\phi\phi}$1.78 $M_{r\theta}$-0.60 $M_{\theta\phi}$-1.50 $M_{\theta r}$1.21 NP1:ϕ_s310.67000°,δ34.64000°,λ-99.69000°. NP2:ϕ_s142.39000°,δ55.92000°,λ-83.37000°. Principal axes: T 3.4546,Plg11.0000°,Azm228.0000°; N 0.2463,Plg5.0000°,Azm319.0000°; P -3.7009,Plg78.0000°,Azm75.0000° $M_0$3.58000×10^{14}
ISC IX 17 15 22 60.0–1.1 66.36N–.02 157.25W–.02 8–9 110 0-7
AEIC IX 17 15 22 59.8–1.2 66.35N–.01 157.27W–.04 5–0 **¶621081711**
NEIC IX 17 15 23 00.2–1.2 66.37N–.02 157.26W–.05 12–2 3.6L,3.4L
NEIC IX 17 15 23 00 66.34N 157.08W 13 3.4,3.4L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=2.5km s-min=2.1km az=69.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.2km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$1.43000×10^{14}
ISC XI 28 01 44 10.6–1.1 67.01N–.03 146.65W–.03 8–8 4.1b,3.4s 201 0-70
IDC XI 28 01 44 09.8–.55 67.04N 146.65W 0 3.9L,3.9b **¶621480562**
NEIC XI 28 01 44 10.2 66.99N 146.67W 5 3.9L,3.9b
NEIC XI 28 01 44 10.7–1.6 67.00N–.02 146.64W–.09 10–3 4.4L,4.3L
AEIC XI 28 01 44 11.4–2.1 66.97N–.02 146.56W–.06 19–4 4.4L,4.3L
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.16 $M_{\theta\theta}$-0.91 $M_{\phi\phi}$0.76 $M_{r\theta}$0.25 $M_{\theta\phi}$-0.48 $M_{\theta r}$0.76 NP1:ϕ_s296.40000°,δ51.45000°,λ170.77000°. NP2:ϕ_s32.18000°,δ82.79000°,λ38.92000°. Principal axes: T 1.3041,Plg32.0000°,Azm262.0000°; N -0.0979,Plg51.0000°,Azm41.0000°; P -1.2063,Plg21.0000°,Azm158.0000° $M_0$1.26000×10^{15}
AEIC Event type se. hypocenter. manual.
NEIC XII 21 15 25 56.0–.59 67.31N–.03 156.23W–.07 5–2 3.2L,3.0L
AEIC XII 21 15 25 55.7–.75 67.30N–.02 156.18W–.07 4–6 3.2L,3.0L **¶621636616**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC XII 18 19 16 13.1–1.3 65.31N–.04 163.03W–.04 2–12 86 1-9
AEIC XII 18 19 16 13.9–1.8 65.30N–.05 162.93W–.09 11–6 **¶621633503**
NEIC XII 18 19 16 14.5–1.6 65.29N–.04 163.07W–.08 12–5 3.5L,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 15 26 44.4–.91 67.34N–.03 156.18W–.03 10 36 0-5
AEIC XII 21 15 26 43.5–1.5 67.32N–.02 156.13W–.05 1–6 **¶636235751**
NEIC XII 21 15 26 44.5–1.1 67.34N–.01 156.18W–.05 5–2 3.2L,3.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 30 20 11 31.0–1.1 65.40N–.02 153.32W–.02 5–8 3.5b 146 0-60
AEIC XII 30 20 11 30.8–.96 65.42N–.03 153.34W–.06 12–5 3.5b **¶621657567**
NEIC XII 30 20 11 30.8–1.1 65.40N–.02 153.34W–.03 10–1 3.5L,3.3L
IDC XII 30 20 11 31.0–1.2 65.35N 153.36W 0 3.3b,3.3
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.6km az=132.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.8km az=332.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.2km s-min=14.1km az=6.0.

(677) Northern Yukon Territory.

PGC VIII 03 23 24 03.5–.03 65.12N 138.14W 8–0 3.5L
¶620976211
PGC Event type ke. 133km northeast of Dawson, Yt Northern Yukon Territory, Canada.
ISC X 05 07 28 46.2–.88 66.04N–.04 134.93W–.06 6 31 2-27
IDC X 05 07 28 45.7–1.1 66.07N 135.24W 0 3.2,3.1b **¶621203163**
PGC X 05 07 28 47.0–.05 66.04N 135.10W 5 3.3L,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=10.5km az=101.0.
PGC Event type ke. 157km south of Fort McPherson, Nt Northern Yukon Territory, Canada.
ISC X 18 09 10 03.6–.77 65.42N–.04 133.04W–.05 10 31 2-40
IDC X 18 09 10 05.0–1.0 65.20N 133.36W 0 3.3s,3.0 **¶621217339**
PGC X 18 09 10 05.5–.05 65.23N 133.59W 1 3.5L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=10.9km az=63.0.
PGC Event type ke. 167km northeast of Keno, Yt Northern Yukon Territory, Canada.
ISC X 18 15 17 47.9–.69 65.49N–.04 133.11W–.05 10 3.6b 45 2-65
IDC X 18 15 17 48.2–.86 65.32N 133.50W 0 3.7L,3.7b **¶621217341**
PGC X 18 15 17 49.9–.05 65.25N 133.35W 1 3.9L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=14.0km s-min=11.3km az=61.0.
PGC Event type ke. 175km northeast of Keno, Yt Northern Yukon Territory, Canada.
ISC X 18 07 35 41.0–1.1 65.33N–.03 133.23W–.04 31–10 4.1b 187 2-88
NEIC X 18 07 35 37.4–.99 65.32N–.04 133.4W–.10 5–3 4.4b **¶621244014**
IDC X 18 07 35 37.2–.63 65.34N 133.49W 0 4.1L,4.1b
NEIC X 18 07 35 38 65.30N 133.42W 9 4.3,4.1b
PGC X 18 07 35 38.0–.08 65.30N 133.42W 1 4.8L,4.1b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.6km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.1km s-min=8.0km az=70.0.
NEIC Event type se. Moment Tensor Solution. $M_0$3.90000×10^{15}
PGC Event type ke. 178km northeast of Keno, Yt Northern Yukon Territory, Canada.
ISC X 29 10 11 06.0–.46 65.21N–.03 134.60W–.03 10 4.0b 192 2-87
NEIC X 29 10 11 06.3–.99 65.24N–.05 134.60W–.04 10–1 4.0L,4.0b **¶621243484**
NEIC X 29 10 11 07 65.21N 134.63W 13 3.5,4.0b
IDC X 29 10 11 07.5–.68 65.22N 134.82W 0 3.8b,3.8
PGC X 29 10 11 09.2–.04 65.22N 134.56W 10 4.2L,3.9b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=3.0km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$2.32000×10^{14}
IDC Error ellipse: s-maj=10.3km s-min=9.0km az=69.0.
PGC Event type ke. 149km northeast of Keno, Yt Northern Yukon Territory, Canada.

(679) Northwest Territories.

ISC IX 05 11 48 35.0–.94 63.85N–.08 127.16W–.09 10 2.9b 9 5-26
IDC IX 05 11 48 34.5–.94 63.70N 127.13W 0 2.9b,2.9 **¶621086407**
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=9.2km az=52.0.
ISC IX 21 00 44 23.3–.50 63.86N–.03 129.75W–.04 10 3.9b 151 1-75
AEIC IX 21 00 44 23.9–2.8 63.90N–.05 129.7W–.10 37–7 3.9b **¶621116013**
IDC IX 21 00 44 24.1–.62 63.91N 130.00W 0 4.2L,3.9
PGC IX 21 00 44 25.0–.13 63.87N 130.06W 1 4.6L,3.9
NEIC IX 21 00 44 25.2–1.6 63.87N–.05 130.0W–.10 13–3 4.2L,4.1L
NEIC IX 21 00 44 25 63.87N 130.06W 4 3.8,4.1L

ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.7km az=99.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.5km s-min=7.9km az=63.0.
PGC Event type ke. 221km southwest of Norman Wells, Nt Southern Yukon Territory, Canada.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.1km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. $M_0$6.40000×10^{14}
IDC IX 05 15 30 40.5–.94 63.70N 127.04W 0 3.6b,3.5
¶621086413
IDC Error ellipse: s-maj=11.5km s-min=9.1km az=51.0.
ISC IX 23 02 12 04.9–.73 69.21N–.08 124.27W–.07 10 3.9b 14 3-59
IDC IX 23 02 12 04.7–.75 69.32N 124.15W 0 4.0L,3.8b **¶621125825**
ISC Event type se.
IDC Error ellipse: s-maj=11.9km s-min=8.9km az=165.0.
OTT X 27 08 14 25.5–.58 63.25N 83.64W 18 3.8,3.5
¶626196335
OTT Event type ke. Error ellipse: s-maj=515.9km s-min=246.3km az=-1.0. 101km Ssw of Coral Harbour, Nu.

(680) Western Kalaallit Nunaat.

ISC VIII 25 16 30 21.0–.34 60.63N–.05 43.44W–.04 10 4.4b,3.5s 238 1-151
DNK VIII 25 16 30 19.5–3.6 60.49N 43.29W 0–17 3.9L,3.5s **¶621007313**
IDC VIII 25 16 30 19.1–.53 60.54N 43.13W 0 4.2,4.1b
NEIC VIII 25 16 30 21.5–1.6 60.56N–.07 43.35W–.06 10–1 4.5b,4.1b
MOS VIII 25 16 30 21.0–.99 60.65N 43.48W 21 4.6b,4.1b
OTT VIII 25 16 30 22.1–.36 60.63N 43.24W 18 4.7L,4.1b
ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=19.4km s-min=20.2km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=14.8km s-min=9.3km az=173.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=3.5km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=14.0km s-min=8.3km az=84.5.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. Southern Greenland. 1119km northeast from Aillik, Nl.
ISC XII 26 16 11 47.7–.68 61.06N–.07 44.15W–.05 10 4.3b 46 1-143
IDC XII 26 16 11 37.9–4.7 60.38N 42.58W 0 3.9s,3.7 **¶621700228**
DNK XII 26 16 11 43.0–.38 60.66N 43.90W 7–2 2.2L,3.7
NEIC XII 26 16 11 49.8–1.2 61.13N–.09 44.40W–.05 10–1 4.4b,3.7
ISC Event type se.
DNK Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(681) Baffin Bay.

ISC VII 08 03 57 14.3–.87 73.21N–.05 70.67W–.04 10 21 2-10
OTT VII 08 03 57 20.7–.66 73.12N 70.85W 18 2.7L **¶620786493**
DNK VII 08 03 57 22.1–3.4 73.18N 70.70W 33–20 1.8L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=3.6km az=-1.0. 239km east from Pond Inlet, Nu Baffin Bay Seismic Zone.
DNK Event type se. Error ellipse: s-maj=7.3km s-min=23.5km az=-1.0. Presumed earthquake.
ISC IX 04 08 22 28.8–.95 74.43N–.05 69.67W–.06 10 13 2-7
OTT IX 04 08 22 34.2–.47 74.30N 69.63W 18 2.8L **¶624741618**
DNK IX 04 08 22 36.7–3.3 74.47N 69.51W 36–42 1.8L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. 320km northeast from Pond Inlet, Nu Baffin Bay Seismic Zone.
DNK Event type se. Error ellipse: s-maj=19.6km s-min=120.3km az=-1.0. Presumed earthquake.
ISC VII 25 04 15 04.9–.72 71.70N–.05 70.80W–.05 10 23 1-15
OTT VII 25 04 15 08.5–.25 71.63N 70.80W 18 3.8 **¶624504675**
DNK VII 25 04 15 08.5–3.4 71.68N 70.74W 15–84 2.4L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 153km northwest from Clyde River, Nu Eastern Arctic Background Seismic Zone.
DNK Event type se. Error ellipse: s-maj=46.8km s-min=168.1km az=-1.0. Presumed earthquake.
ISC IX 04 16 09 19.9–.71 73.26N–.04 72.47W–.04 10 23 2-14
OTT IX 04 16 09 24.6–.26 73.19N 72.72W 18 3.6L **¶624741619**
DNK IX 04 16 09 28.9–2.9 73.35N 72.26W 36–45 2.2L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 181km east from Pond Inlet, Nu Baffin Bay Seismic Zone.
DNK Event type se. Error ellipse: s-maj=23.2km s-min=131.4km az=-1.0. Presumed earthquake.
ISC IX 04 18 58 15.0–.37 73.23N–.04 72.56W–.04 10 4.4s,4.4b 161 2-151
IDC IX 04 18 58 15.6–.47 73.25N 72.57W 0 4.1L,4.1 **¶621035439**
NEIC IX 04 18 58 16.8–1.6 73.24N–.08 72.9W–.30 16–4 4.3b,4.2L
OTT IX 04 18 58 16.1–.43 73.17N 72.70W 18 4.0L,4.2L
DNK IX 04 18 58 17.1–2.5 73.35N 72.38W 20–34 2.8L,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=10.9km s-min=9.7km az=161.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.3km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0. 181km east from Pond Inlet, Nu Baffin Bay Seismic Zone.
DNK Event type se. Error ellipse: s-maj=12.8km s-min=90.3km az=-1.0. Presumed earthquake.
ISC X 09 13 28 28.1–.93 74.48N–.05 69.04W–.07 10 15 2-16
DNK X 09 13 28 31.9–1.9 74.59N 69.03W 15 2.4L **¶626196202**
OTT X 09 13 28 32.7–.28 74.45N 69.01W 18 3.5L,3.5
ISC Event type ke.
DNK Event type se. Error ellipse: s-maj=10.1km s-min=58.3km az=-1.0. Presumed earthquake.
OTT Event type ke. Error ellipse: s-maj=518.2km s-min=127.0km az=-1.0. 207km southwest of Savissivik, nan.
ISC IX 26 08 55 24.6–.34 74.10N–.04 73.42W–.04 10 4.2b,3.1s 150 2-153
IDC IX 26 08 55 24.9–.48 74.17N 73.14W 0 4.1L,3.8b **¶621110211**
NEIC IX 26 08 55 26.4–1.5 74.10N–.08 73.4W–.20 10–1 4.3b,3.8b
OTT IX 26 08 55 26.5–.05 74.06N 73.63W 18 5.0b,4.5b
DNK IX 26 08 55 26.9–3.5 74.20N 73.63W 35–21 3.1L,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=11.8km s-min=9.8km az=139.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.9km az=340.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type ke. Error ellipse: s-maj=58.9km s-min=10.7km az=-1.0. 204km northeast of Pond Inlet, Nu.
DNK Event type se. Error ellipse: s-maj=9.8km s-min=35.1km az=-1.0. Presumed earthquake.
ISC IX 23 08 37 42.5–.84 73.24N–.05 67.72W–.05 10 25 3-10
OTT IX 23 08 37 46.9–.11 73.14N 67.60W 18 3.6,3.5 **¶624741731**
DNK IX 23 08 37 48.7–2.5 73.24N 67.72W 34–15 1.5L,3.5
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=214.6km s-min=27.1km az=-1.0. 300km northeast of Clyde River, Nu.
DNK Event type se. Error ellipse: s-maj=6.0km s-min=17.3km az=-1.0. Presumed earthquake.
ISC X 07 15 58 59.7–.82 74.27N–.04 59.11W–.05 10 25 3-11
OTT X 07 15 59 04.4–.10 74.31N 58.86W 18 3.9,3.8 **¶626196187**
DNK X 07 15 59 05.1–3.1 74.29N 58.92W 29–20 2.3L,3.8
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=114.5km s-min=33.7km az=-1.0. 57km Wsw of Kullorsuaq, nan.
DNK Event type se. Error ellipse: s-maj=6.8km s-min=35.4km az=-1.0. Presumed earthquake.
OTT X 12 09 40 24.8–.56 73.33N 72.05W 18 3.8L,2.8
¶626196222
OTT Event type ke. Error ellipse: s-maj=513.7km s-min=97.6km az=-1.0. 204km Ene of Pond Inlet, Nu.
OTT XI 20 10 24 42.1–.26 71.03N 65.69W 18 3.6,3.4
¶625078707
OTT Event type ke. Error ellipse: s-maj=272.4km s-min=79.5km az=-1.0. 123km Ene of Clyde River, Nu.

(682) Baffin Island region.

ISC VII 23 14 27 50.7–.84 68.59N–.05 68.56W–.06 10 22 2-11
OTT VII 23 14 27 54.6–.32 68.70N 68.25W 18 3.7 **¶624504665**
DNK VII 23 14 27 59.2–3.4 68.70N 67.48W 0–116 2.0L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0. 198km south from Clyde River, Nu Baffin Island Seismic Zone, Nt.
DNK Event type se. Error ellipse: s-maj=46.0km s-min=272.8km az=-1.0. Presumed earthquake.
OTT IX 07 13 53 27.9–.24 72.03N 75.30W 18 3.7
¶624741655
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. 118km southeast from Pond Inlet, Nu Baffin Island Seismic Zone, Nt.
ISC IX 10 08 22 31.7–1.1 72.11N–.06 74.94W–.05 32 22 1-11
OTT IX 10 08 22 31.0–.19 71.99N 75.14W 18 3.4 **¶624741669**
DNK IX 10 08 22 34.2–2.1 72.21N 74.49W 4–32 2.1L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 125km southeast from Pond Inlet, Nu Baffin Island Seismic Zone, Nt.
DNK Event type se. Error ellipse: s-maj=16.7km s-min=85.7km az=-1.0. Presumed earthquake.
OTT XI 04 11 19 00.3–.38 66.48N 63.35W 18 4.0,4.0
¶625078638
OTT Event type ke. Error ellipse: s-maj=571.5km s-min=97.6km az=-1.0. 112km Ene of Pangnirtung, Nu.
ISC X 29 13 48 55.3–.27 67.54N–.03 66.02W–.03 10 4.7b,3.8s 326 3-134
IDC X 29 13 48 54.9–.40 67.72N 65.96W 0 4.4L,4.4 **¶621244120**
OTT X 29 13 48 57.0–.16 67.60N 65.91W 18 5.2,5.2
DNK X 29 13 48 56.1–3.5 67.81N 65.74W 0–38 3.3L,5.2
GFZ X 29 13 48 57.0–.14 68N–3.0 66W–2.0 10 5.7b,5.2L
NEIC X 29 13 48 57.2–.94 67.62N–.07 66.0W–.20 14–4 4.7b,5.2L
ISC Event type ke.
OTT Event type fe. 80km west of Qikiqtarjuaq, Nu, felt.
DNK Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 04 15 30 08.9–.84 66.61N–.06 63.23W–.05 10 22 4-14
OTT XI 04 15 30 12.9–.56 66.53N 63.37W 18 4.2,4.2 **¶625078639**
DNK XI 04 15 30 12.6–4.6 66.69N 62.87W 0–33 1.9L,4.2
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=809.5km s-min=180.2km az=-1.0. 113km Ene of Pangnirtung, Nu.
DNK Event type se. Error ellipse: s-maj=13.4km s-min=23.2km az=-1.0. Presumed earthquake.
ISC XI 22 11 25 18.0–.77 67.68N–.05 65.86W–.05 10 39 3-15
OTT XI 22 11 25 23.2–.33 67.65N 65.93W 18 3.7,3.7 **¶625078721**
DNK XI 22 11 25 24.2–2.1 67.71N 65.83W 25–11 2.2L,3.7
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=299.1km s-min=120.9km az=-1.0. 81km west of Qikiqtarjuaq, Nu.
DNK Event type se. Error ellipse: s-maj=4.2km s-min=11.3km az=-1.0. Presumed earthquake.
OTT XII 18 07 09 24.2–1.4 63.29N 65.89W 18 3.8,3.8
¶626196521
OTT Event type ke. Error ellipse: s-maj=412.5km s-min=1090.6km az=-1.0. 140km Ese of Iqaluit, Nu.

SEISMIC REGION 43.
Southeastern and Antarctic Pacific Ocean.

(683) Southeastcentral Pacific Ocean.

ISC XII 24 00 43 33.8–1.8 26.0S–.10 83.2W–.20 10 3.8b 38 9-152
GFZ XII 24 00 43 34.3–.49 26S–3.0 83W–5.0 10 6.0b,5.6 **¶621652229**
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(684) Southern East Pacific Rise.

ISC VII 13 13 04 11.4–1.1 53.7S–.50 117.7W–.30 10 4.1b,3.8s 7 29-152
IDC VII 13 13 04 10.0–.99 53.62S 117.76W 0 4.0b,4.0 **¶620928535**
ISC Event type se.
IDC Error ellipse: s-maj=80.8km s-min=26.9km az=156.0.
ISC VII 17 23 46 44.7–.92 55.3S–.20 124.9W–.20 10 4.3s,4.2b 15 30-171
IDC VII 17 23 46 43.4–.86 55.34S 124.95W 0 4.2s,4.1b **¶620928795**
GCMT VII 17 23 46 48.0 55.50S 125.50W 10 5.0s,4.1b
GCMT VII 17 23 46 51.7–.30 55.76S–.02 124.51W–.03 20–1 5.1W,4.1b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202107172346A. Moment Tensor Solution. s17,c18; s96,c118;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.48±.43 $M_{\theta\theta}$5.19±.29; $M_{\phi\phi}$-1.71±.27; $M_{r\theta}$1.45±.40; $M_{\theta\phi}$3.32±.14; $M_{\phi r}$0.23±.47; Best double couple: NP1:ϕ_s44.00000°,δ42.00000°,λ-125.00000°. NP2:ϕ_s267.00000°,δ57.00000°,λ-63.00000°. Principal axes: T 6.7290,Plg8.0000°,Azm338.0000°; N -2.9110,Plg23.0000°,Azm72.0000° ; P -3.8180,Plg66.0000°,Azm230.0000° $M_0$5.27300×10^{16}
ISC VII 29 20 55 55.3–.41 34.96S–.10 111.82W–.08 10 5.0s,5.0b 95 19-163
IDC VII 29 20 55 54.5–.52 35.00S 112.10W 0 4.9s,4.3b **¶620913660**
NEIC VII 29 20 55 55.5–2.5 35.1S–.10 111.7W–.10 10–1 5.1b,4.3b
GCMT VII 29 20 56 01.1–.20 34.86S–.01 112.15W–.01 12 5.4W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107292056A. Moment Tensor Solution. s47,c53; s135,c204; Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.05 $M_{\theta\theta}$-1.09±.05; $M_{\phi\phi}$1.26±.04; $M_{r\theta}$-0.73±.14; $M_{\theta\phi}$-1.06±.03; $M_{\phi r}$-0.45±.11; Best double couple: NP1:ϕ_s117.00000° ,δ68.00000°,λ-165.00000°. NP2:ϕ_s21.00000°,δ76.00000°,λ-23.00000°. Principal axes: T 1.6820,Plg5.0000°,Azm70.0000°; N 0.2250,Plg64.0000°,Azm171.0000° ; P -1.9030,Plg26.0000°,Azm338.0000° $M_0$1.79200×10^{17}
ISC VII 31 16 52 37.7–1.7 24.5S–.50 116.0W–.30 10 3.9s 7 7-153
IDC VII 31 16 52 37.6–1.4 24.13S 115.77W 0 3.9s,3.7b **¶620986137**
ISC Event type se.
IDC Error ellipse: s-maj=70.6km s-min=42.8km az=9.0.
ISC IX 03 05 22 57.6–.26 24.30S–.07 116.03W–.05 12 5.2b,4.8s 497 7-165
IDC IX 03 05 22 55.4–.41 24.33S 116.00W 0 4.7b,4.7s **¶621024237**
MOS IX 03 05 22 56.5–.98 24.27S 115.92W 11 5.4b,4.7s
NEIC IX 03 05 22 58.2–.79 24.3S–.10 116.0W–.10 10–1 5.4,5.4b
BJI IX 03 05 22 58.5 24.30S 116.00W 15 5.3s,5.3b
GFZ IX 03 05 22 58.1 24.30S 116.03W 12 5.3W,5.3b
GFZ IX 03 05 22 59.9–.31 24S–5.0 116W–5.0 10 5.2,4.9b
GCMT IX 03 05 23 01.0–.10 24.42S–.01 115.87W–.01 12 5.3W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$0.90 $M_{r\theta}$0.19 $M_{\theta\phi}$0.16 $M_{\phi r}$-0.56 NP1: ϕ_s205.02604°,δ31.58368°,λ-62.45999°. NP2:ϕ_s353.55419°,δ62.32880°,λ-105.86881°. Principal axes: T 1.0779,Plg15.9018°,Azm95.1521°; N -0.0295,Plg14.0142°,Azm1.0745° ; P -1.0484,Plg68.5513°,Azm231.6328° $M_0$1.06344×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109030523A. Moment Tensor Solution. s99,c158; s140,c258;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97±.01 $M_{\theta\theta}$-0.13±.01; $M_{\phi\phi}$1.10±.01; $M_{r\theta}$0.02±.04; $M_{\theta\phi}$-0.15±.01; $M_{\phi r}$0.02±.03; Best double couple: NP1: ϕ_s352.00000°,δ44.00000°,λ-92.00000°. NP2:ϕ_s175.00000°,δ46.00000°,λ-88.00000°. Principal axes: T 1.1180,Plg1.0000°,Azm263.0000°; N -0.1490,Plg1.0000°,Azm353.0000° ; P -0.9690,Plg88.0000°,Azm152.0000° $M_0$1.04300×10^{17}
ISC VIII 30 01 40 40.4–.84 55.3S–.20 123.8W–.20 10 4.5s,4.5b 43 30-166
IDC VIII 30 01 40 41.7–.72 55.77S 124.67W 0 4.5s,4.3b **¶621076479**
NEIC VIII 30 01 40 43.3–1.5 55.59S–.10 124.5W–.30 10–1 4.6b,4.3b
GCMT VIII 30 01 40 47.0–.10 55.69S–.01 124.65W–.01 20–0 5.4W,4.3b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108300140A. Moment Tensor Solution. s114,c217; s144,c274;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06±.02 $M_{\theta\theta}$0.95±.02; $M_{\phi\phi}$-0.90±.02; $M_{r\theta}$0.04±.04; $M_{\theta\phi}$1.44±.02; $M_{\phi r}$0.15±.04; Best double couple: NP1: ϕ_s106.00000°,δ85.00000°,λ0.00000°. NP2:ϕ_s196.00000°,δ90.00000°,λ-175.00000°. Principal axes: T 1.7470,Plg3.0000°,Azm331.0000°; N -0.0540,Plg85.0000°,Azm200.0000° ; P -1.6930,Plg4.0000°,Azm62.0000° $M_0$1.72000×10^{17}

ISC	**IX**	**03 05 34 17.1–.60**	**24.2S–.10**	**115.78W–.10**	**10**	**4.8b,4.1s**	**37**	**13-153**
IDC	IX	03 05 34 15.2–1.1	24.08S	115.90W	0	4.2b,4.2		¶621081546
NEIC	IX	03 05 34 17.3–.85	24.2S–.10	115.9W–.10	10–1	4.8b,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**03 05 40 10.1–.47**	**24.4S–.10**	**115.97W–.08**	**12**	**4.7b,3.8s**	**70**	**13-153**
GFZ	IX	03 05 40 09.7–1.1	24S–11	116W–19	10	4.6b,4.6		¶621024238
IDC	IX	03 05 40 10.4–.90	23.90S	115.64W	0	4.3b,4.3		
NEIC	IX	03 05 40 10.4–.92	24.5S–.10	116.1W–.10	10–1	4.8b,4.3		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**03 08 44 43.6–.47**	**24.6S–.10**	**115.72W–.08**	**10**	**4.5b,4.2s**	**81**	**6-154**
IDC	IX	03 08 44 42.9–.78	24.45S	115.86W	0	4.2s,3.8b		¶621030443
NEIC	IX	03 08 44 43.5–1.4	24.6S–.10	115.9W–.10	10–1	4.5b,3.8b		
GFZ	IX	03 08 44 45.6–.33	25S–5.0	115W–7.0	10	4.4b,4.4		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
ISC	**IX**	**03 09 08 16.1–1.3**	**24.1S–.30**	**115.8W–.30**	**10**	**3.9s,3.7b**	**10**	**7-151**
IDC	IX	03 09 08 14.9–1.3	24.07S	115.79W	0	3.9s,3.6b		¶621081559
ISC	Event type se.							
IDC	Error ellipse: s-maj=49.4km s-min=28.2km az=49.0.							
ISC	**IX**	**04 21 53 33.7–.71**	**24.3S–.10**	**115.8W–.20**	**12**	**4.5b,3.8s**	**41**	**6-155**
IDC	IX	04 21 53 32.1–.81	24.24S	115.87W	0	3.9b,3.9		¶621081655
NEIC	IX	04 21 53 34.2–1.0	24.39S–.06	115.7W–.20	10–1	4.6b,3.9		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**IX**	**04 01 56 11.9–1.2**	**23.9S–.30**	**115.2W–.30**	**10**	**4.0s,3.8b**	**12**	**6-153**
IDC	IX	04 01 56 08.0–1.1	24.15S	115.54W	0	4.0s,3.8b		¶621081611
GCMT	IX	04 01 56 12.2–.30	24.51S–.01	115.85W–.01	12	4.9W,3.8b		
GCMT	IX	04 01 56 24.0	24.50S	115.50W	10	4.9s,3.8b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=48.8km s-min=28.6km az=43.0.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202109040156A. Moment Tensor Solution. s23,c26; s101,c151;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.07 $M_{\theta\theta}$-1.40±.07; $M_{\phi\phi}$1.68±.07; $M_{r\theta}$-0.19±.20; $M_{\theta\phi}$1.75±.05; $M_{\phi r}$-0.68±.19; Best double couple: NP1:ϕ_s250.00000°,δ78.00000°,λ7.00000°. NP2:ϕ_s159.00000° ,δ83.00000°,λ168.00000°. Principal axes: T 2.6380,Plg13.0000°,Azm114.0000° ; N -0.4420,Plg76.0000°,Azm308.0000°; P -2.1970,Plg3.0000°,Azm205.0000° $M_0$2.41800×10^{16}								
ISC	**IX**	**10 08 55 00.5–.69**	**34.81S–.09**	**108.6W–.10**	**10**	**4.5b,4.0s**	**43**	**8-151**
IDC	IX	10 08 54 58.5–.77	34.83S	108.71W	0	4.2b,4.2		¶621108500
NEIC	IX	10 08 55 00.0–1.2	34.80S–.06	108.8W–.20	10–1	4.6b,4.2		
GCMT	IX	10 08 55 04.6–.40	34.78S–.02	108.80W–.03	17–2	4.8W,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109100854A. Moment Tensor Solution. s16,c19; s84,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.05±.11 $M_{\theta\theta}$-0.69±.10; $M_{\phi\phi}$0.63±.10; $M_{r\theta}$-0.52±.27; $M_{\theta\phi}$-1.95±.08; $M_{\phi r}$-0.37±.24; Best double couple: NP1:ϕ_s8.00000°,δ79.00000° ,λ-11.00000°. NP2:ϕ_s100.00000°,δ79.00000°,λ-169.00000°. Principal axes: T 2.0350,Plg0.0000°,Azm234.0000°; N 0.2260,Plg75.0000°,Azm144.0000° ; P -2.2610,Plg15.0000°,Azm324.0000° $M_0$2.14800×10^{16}								
ISC	**X**	**10 10 32 09.2–1.2**	**56.2S–.60**	**125.8W–.40**	**10**	**4.0b,3.9s**	**6**	**30-149**
IDC	X	10 10 32 07.8–1.1	56.03S	126.09W	0	3.9b,3.9		¶621235379
GCMT	X	10 10 32 08.0	55.75S	125.75W	10	4.8s,3.9		
GCMT	X	10 10 32 09.6–.30	55.54S–.02	125.65W–.03	15	4.7W,3.9		
ISC	Event type se.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110101032A. Moment Tensor Solution. s8,c8; s79,c99;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.09±.09 $M_{\theta\theta}$0.82±.08; $M_{\phi\phi}$-0.91±.07; $M_{r\theta}$0.05±.27; $M_{\theta\phi}$1.11±.05; $M_{\phi r}$-0.58±.24; Best double couple: NP1:ϕ_s288.00000°,δ70.00000°,λ-6.00000°. NP2:ϕ_s20.00000°,δ85.00000°,λ-160.00000°. Principal axes: T 1.4010,Plg10.0000°,Azm152.0000°; N 0.2280,Plg69.0000°,Azm34.0000° ; P -1.6290,Plg18.0000°,Azm245.0000° $M_0$1.51500×10^{16}								
ISC	**IX**	**18 10 29 36.8–.76**	**24.4S–.20**	**115.5W–.20**	**10**	**4.4b,3.8s**	**32**	**6-154**
IDC	IX	18 10 29 35.6–.75	24.42S	115.66W	0	3.9b,3.8		¶621113561
NEIC	IX	18 10 29 37.0–1.2	24.48S–.06	115.5W–.20	10–1	4.5b,3.8		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**X**	**31 22 01 42.8–.54**	**20.7S–.10**	**114.24W–.10**	**10**	**4.5b,4.1s**	**47**	**8-151**
IDC	X	31 22 01 39.3–.70	20.50S	113.97W	0	4.1s,4.0b		¶621395274
NEIC	X	31 22 01 43.5–1.4	20.8S–.10	114.3W–.10	10–1	4.6b,4.0b		
GCMT	X	31 22 01 44.6–.30	20.59S–.02	114.00W–.02	16–1	4.9W,4.0b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110312201A. Moment Tensor Solution. s22,c23; s103,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57±.10 $M_{\theta\theta}$-0.43±.09; $M_{\phi\phi}$1.01±.10; $M_{r\theta}$0.14±.25; $M_{\theta\phi}$2.06±.08; $M_{\phi r}$1.28±.31; Best double couple: NP1:ϕ_s81.00000°,δ58.00000° ,λ-5.00000°. NP2:ϕ_s173.00000°,δ86.00000°,λ-148.00000°. Principal axes: T 2.8520,Plg19.0000°,Azm303.0000°; N -0.6650,Plg58.0000°,Azm180.0000° ; P -2.1840,Plg25.0000°,Azm42.0000° $M_0$2.51800×10^{16}								
IDC	**X**	**10 14 28 11.5–4.5**	**56.07S**	**126.89W**	**0**	**3.8s,3.6b**		**¶621235387**
IDC	Error ellipse: s-maj=136.9km s-min=60.8km az=58.0.							
ISC	**XI**	**06 16 53 23.3–.45**	**55.7S–.10**	**124.33W–.08**	**10**	**4.6b,4.3s**	**70**	**28-165**
IDC	XI	06 16 53 21.9–.63	55.61S	124.61W	0	4.4b,4.4		¶621372418
NEIC	XI	06 16 53 23.7–1.4	55.9S–.10	124.3W–.10	10–1	4.7b,4.4		
GCMT	XI	06 16 53 27.2–.20	55.80S–.01	124.43W–.02	15–1	5.1W,4.4		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111061653A. Moment Tensor Solution. s15,c17; s103,c156; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.66±.18 $M_{\theta\theta}$3.58±.17; $M_{\phi\phi}$-2.92±.15; $M_{r\theta}$0.28±.43; $M_{\theta\phi}$2.97±.10; $M_{\phi r}$2.35±.46; Best double couple: NP1:ϕ_s111.00000°,δ63.00000° ,λ-10.00000°. NP2:ϕ_s206.00000°,δ81.00000°,λ-152.00000°. Principal axes: T 4.9730,Plg12.0000°,Azm336.0000°; N 0.1160,Plg61.0000°,Azm223.0000° ; P -5.0870,Plg26.0000°,Azm72.0000° $M_0$5.03000×10^{16}								
ISC	**XI**	**14 09 11 31.0–.81**	**55.8S–.20**	**125.0W–.20**	**10**	**4.0s,4.0b**	**11**	**30-161**
GCMT	XI	14 09 11 28.0	55.75S	124.75W	10	5.1s,4.0b		¶621468660
IDC	XI	14 09 11 29.6–.79	55.78S	125.02W	0	4.0b,4.0		
GCMT	XI	14 09 11 33.9–.20	55.82S–.01	124.13W–.02	23–1	5.1W,4.0		
ISC	Event type se.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111140911A. Moment Tensor Solution. s69,c92; s127,c195;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.58±.14 $M_{\theta\theta}$3.43±.13; $M_{\phi\phi}$-2.85±.12; $M_{r\theta}$0.24±.18; $M_{\theta\phi}$4.37±.10; $M_{\phi r}$0.11±.17; Best double couple: NP1:ϕ_s18.00000°,δ88.00000°,λ178.00000°. NP2:ϕ_s108.00000° ,δ88.00000°,λ2.00000°. Principal axes: T 5.6820,Plg2.0000°,Azm333.0000° ; N -0.5940,Plg88.0000°,Azm149.0000°; P -5.0910,Plg0.0000°,Azm243.0000° $M_0$5.38600×10^{16}								

ISC	**XI**	**15 09 36 26.8–.34**	**34.90S–.07**	**111.38W–.09**	**10**	**5.0b,4.4s**	**193**	**8-163**
IDC	XI	15 09 36 25.4–.49	34.92S	111.43W	0	4.5b,4.5		¶621405035
NEIC	XI	15 09 36 27.5–1.0	34.91S–.09	111.2W–.10	10–1	5.2,5.0b		
BJI	XI	15 09 36 28.2	35.00S	111.30W	10	5.2s,5.0		
GFZ	XI	15 09 36 28.3–.23	35S–4.0	112W–7.0	10	5.4b,4.8		
GFZ	XI	15 09 36 28.3	34.92S	111.52W	10	5.0W,4.8		
GCMT	XI	15 09 36 29.9–.20	35.14S–.02	111.30W–.01	12	5.1W,4.8		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
GFZ	smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.15 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$4.34 $M_{r\theta}$1.24 $M_{\theta\phi}$-0.95 $M_{\phi r}$0.98 NP1: ϕ_s186.09990°,δ52.46401°,λ-67.06973°. NP2:ϕ_s331.32574°,δ43.08761°,λ-116.88913°. Principal axes: T 4.5900,Plg4.9103°,Azm260.0478°; N 0.0759,Plg17.9959°,Azm351.6470° ; P -4.6659,Plg71.3015°,Azm155.3433° $M_0$4.62842×10^{16}								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111150936A. Moment Tensor Solution. s63,c89; s128,c195; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.46±.10 $M_{\theta\theta}$-0.45±.10; $M_{\phi\phi}$4.92±.09; $M_{r\theta}$0.71±.35; $M_{\theta\phi}$-0.98±.08; $M_{\phi r}$-1.11±.26; Best double couple: NP1:ϕ_s177.00000°,δ38.00000° ,λ-79.00000°. NP2:ϕ_s343.00000°,δ53.00000°,λ-99.00000°. Principal axes: T 5.2450,Plg7.0000°,Azm79.0000°; N -0.5640,Plg7.0000°,Azm349.0000° ; P -4.6740,Plg80.0000°,Azm215.0000° $M_0$4.96000×10^{16}								
IDC	**XI**	**15 09 41 20.9–1.4**	**34.89S**	**110.72W**	**0**	**3.7b,3.7**		**¶621475623**
IDC	Error ellipse: s-maj=151.6km s-min=30.7km az=90.0.							
ISC	**XII**	**02 01 45 40.6–.53**	**49.5S–.10**	**115.6W–.10**	**10**	**4.7b,4.3s**	**94**	**23-168**
GFZ	XII	02 01 45 21.7–1.4	52S–24	119W–16	10	4.7b,4.7		¶621629863
IDC	XII	02 01 45 38.9–.72	49.54S	115.80W	0	4.3s,4.1b		
NEIC	XII	02 01 45 41.2–1.1	49.5S–.20	115.7W–.20	10–1	4.8b,4.1b		
GCMT	XII	02 01 45 44.0–.20	49.74S–.01	115.51W–.02	12	5.0W,4.1b		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112020145A. Moment Tensor Solution. s47,c59; s107,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.84±.11 $M_{\theta\theta}$2.12±.12; $M_{\phi\phi}$-1.28±.11; $M_{r\theta}$0.62±.30; $M_{\theta\phi}$3.60±.08; $M_{\phi r}$1.82±.28; Best double couple: NP1:ϕ_s102.00000°,δ63.00000° ,λ-5.00000°. NP2:ϕ_s195.00000°,δ85.00000°,λ-153.00000°. Principal axes: T 4.8110,Plg15.0000°,Azm325.0000°; N -0.7610,Plg63.0000°,Azm204.0000° ; P -4.0540,Plg22.0000°,Azm62.0000° $M_0$4.43300×10^{16}								
ISC	**XI**	**15 15 24 03.2–.46**	**34.96S–.09**	**111.1W–.10**	**10**	**4.6b,3.9s**	**118**	**27-163**
IDC	XI	15 15 24 01.6–.60	34.95S	111.33W	0	4.0b,4.0		¶621406844
GFZ	XI	15 15 24 03.6–.32	35S–5.0	111W–6.0	10	5.9,5.8		
NEIC	XI	15 15 24 03.6–1.1	34.96S–.08	111.3W–.20	10–1	4.6b,5.8		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XII**	**13 11 25 01.5–1.9**	**23.7S–.40**	**118.2W–.90**	**10**	**3.7b,3.7s**	**9**	**9-152**
IDC	XII	13 11 24 56.8–1.8	24.36S	116.53W	0	3.6s,3.4b		¶621650569
ISC	Event type se.							
IDC	Error ellipse: s-maj=111.0km s-min=51.5km az=112.0.							
ISC	**XII**	**21 20 13 37.8–.47**	**55.5S–.10**	**124.8W–.10**	**10**	**4.5b,4.2s**	**58**	**30-161**
IDC	XII	21 20 13 37.2–.67	55.49S	125.18W	0	4.2b,4.2		¶621685704
NEIC	XII	21 20 13 38.1–1.2	55.5S–.10	124.8W–.20	10–1	4.7b,4.2		
GCMT	XII	21 20 13 43.6–.20	55.66S–.01	124.80W–.02	19–1	5.1W,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112212013A. Moment Tensor Solution. s65,c89; s122,c180; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.42±.13 $M_{\theta\theta}$3.43±.14; $M_{\phi\phi}$-3.01±.12; $M_{r\theta}$-0.03±.24; $M_{\theta\phi}$4.50±.10; $M_{\phi r}$0.12±.23; Best double couple: NP1:ϕ_s108.00000°,δ89.00000° ,λ-1.00000°. NP2:ϕ_s198.00000°,δ89.00000°,λ-179.00000°. Principal axes: T 5.7440,Plg0.0000°,Azm333.0000°; N -0.4160,Plg89.0000°,Azm233.0000° ; P -5.3270,Plg1.0000°,Azm63.0000° $M_0$5.53500×10^{16}								
ISC	**XII**	**13 06 54 48.5–.62**	**54.4S–.10**	**120.3W–.10**	**10**	**4.6b,4.2s**	**46**	**28-152**
IDC	XII	13 06 54 47.4–.83	54.33S	120.39W	0	4.2b,4.2		¶621650561
NEIC	XII	13 06 54 48.7–1.5	54.4S–.20	120.33W–.10	10–1	4.7b,4.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XII**	**28 14 52 00.6–.00**	**24.6S–.20**	**116.0W–.20**	**12**	**4.4b,3.6s**	**32**	**6-153**
IDC	XII	28 14 51 58.8–1.1	24.50S	116.02W	0	3.9b,3.9		¶621717395
NEIC	XII	28 14 52 02.5–1.4	24.4S–.20	115.7W–.20	10–1	4.6b,3.9		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**XII**	**27 09 44 05.7–.41**	**34.87S–.07**	**108.16W–.09**	**10**	**5.0b,4.2s**	**214**	**8-166**
IDC	XII	27 09 44 04.0–.56	34.81S	108.35W	0	4.4b,4.4		¶621653786
NEIC	XII	27 09 44 06.3–1.2	34.89S–.04	108.1W–.20	10–1	5.0b,4.4		
GFZ	XII	27 09 44 06.5–.31	35S–4.0	108W–5.0	10	5.7b,5.2		
GCMT	XII	27 09 44 09.7–.20	34.97S–.01	108.20W–.02	12–1	5.0W,5.2		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112270944A. Moment Tensor Solution. s38,c43; s98,c148; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.00±.11 $M_{\theta\theta}$-0.22±.09; $M_{\phi\phi}$1.22±.09; $M_{r\theta}$-0.15±.23; $M_{\theta\phi}$-2.76±.08; $M_{\phi r}$-1.53±.30; Best double couple: NP1:ϕ_s100.00000° ,δ58.00000°,λ-167.00000°. NP2:ϕ_s3.00000°,δ79.00000°,λ-33.00000°. Principal axes: T 3.6340,Plg14.0000°,Azm55.0000°; N -0.6590,Plg56.0000°,Azm167.0000° ; P -2.9760,Plg30.0000°,Azm316.0000° $M_0$3.30500×10^{16}								
ISC	**XII**	**24 20 55 17.6–.48**	**56.4S–.10**	**123.40W–.10**	**10**	**4.8b,4.4s**	**42**	**29-153**
IDC	XII	24 20 55 17.4–.84	56.43S	123.78W	0	4.4s,3.9b		¶621700058
NEIC	XII	24 20 55 17.4–.96	56.4S–.10	123.3W–.20	10–1	4.9b,3.9b		
GCMT	XII	24 20 55 22.7–.10	55.68S–.01	124.60W–.01	19–0	5.3W,3.9b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112242055A. Moment Tensor Solution. s98,c159; s135,c241;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.02 $M_{\theta\theta}$0.59±.02; $M_{\phi\phi}$-0.54±.02; $M_{r\theta}$0.04±.03; $M_{\theta\phi}$0.94±.01; $M_{\phi r}$0.07±.03; Best double couple: NP1: ϕ_s106.00000°,δ86.00000°,λ1.00000°. NP2:ϕ_s15.00000°,δ89.00000°,λ176.00000°. Principal axes: T 1.1260,Plg3.0000°,Azm330.0000°; N -0.0490,Plg86.0000°,Azm188.0000° ; P -1.0780,Plg3.0000°,Azm61.0000° $M_0$1.10200×10^{17}								

(685) Easter Island region.

ISC	**VII**	**30 22 39 47.1–.43**	**26.79S–.09**	**114.26W–.09**	**10**	**4.9b,4.3s**	**133**	**14-156**
IDC	VII	30 22 39 46.1–.64	26.74S	114.41W	0	4.3b,4.3		¶620923872
GFZ	VII	30 22 39 47.1–.23	27S–4.0	114W–4.0	10	4.7b,4.7		
NEIC	VII	30 22 39 48.0–.96	26.8S–.10	114.3W–.20	10–1	5.0b,4.7		
GCMT	VII	30 22 39 52.2–.20	26.91S–.01	114.19W–.01	18–0	5.0W,4.7		
ISC	Event type se.							
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107302239B. Moment Tensor Solution. s48,c59; s120,c181; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.79±.16 $M_{\theta\theta}$-0.01±.13; $M_{\phi\phi}$1.79±.13; $M_{r\theta}$0.61±.28; $M_{\theta\phi}$-4.38±.09; $M_{\phi r}$-0.56±.29; Best double couple: NP1:ϕ_s186.00000°,δ83.00000°								

,λ2.00000°. NP2:ϕ_s96.00000°,δ88.00000°,λ173.00000°. Principal axes: T 5.4570,Plg6.0000° ,Azm51.0000°; N -1.8760,Plg82.0000°,Azm262.0000°; P -3.5870,Plg4.0000°,Azm141.0000° $M_0$4.52200×10^{16}

IDC X 14 08 55 19.9–3.5 23.30S 114.99W 0 3.7b,3.7
¶621240627

IDC Error ellipse: s-maj=108.5km s-min=43.4km az=38.0.

ISC IX 05 04 58 02.5–1.4 23.6S–.40 115.0W–.30 10 4.0s,3.7b 9 6-153

IDC IX 05 04 58 01.7–1.4 23.47S 114.94W 0 3.9s,3.6b **¶621086381**

ISC Event type se.

IDC Error ellipse: s-maj=55.6km s-min=38.8km az=25.0.

ISC IX 21 10 14 45.0–.61 27.04S–.08 113.19W–.06 11–3 5.2b,5.0s 234 3-166

IDC IX 21 10 14 43.7–.51 26.92S 113.21W 0 4.9s,4.4b **¶621093851**

NEIC IX 21 10 14 45.6–.86 27.1S–.10 113.13W–.10 10–1 5.4,5.2b

GFZ IX 21 10 14 48.7–.46 27S–6.0 113W–7.0 10 5.7b,5.3

GCMT IX 21 10 14 48.9–.10 27.12S–.01 113.28W–.01 12 5.3W,5.3

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109211014A. Moment Tensor Solution. s107,c181; s143,c260;Duration: 1s_1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27±.01 $M_{\theta\theta}$-0.63±.01; $M_{\phi\phi}$0.90±.01; $M_{r\theta}$0.15±.04; $M_{\theta\phi}$-1.01±.01; $M_{\phi r}$-0.24±.04; Best double couple: NP1: ϕ_s199.00000°,δ82.00000°,λ5.00000°. NP2:ϕ_s108.00000°,δ85.00000°,λ172.00000°. Principal axes: T 1.4540,Plg9.0000°,Azm64.0000°; N -0.3190,Plg80.0000°,Azm255.0000° ; P -1.1340,Plg2.0000°,Azm154.0000° $M_0$1.29400×10^{17}

ISC XI 21 18 31 25.2–.50 22.9S–.10 112.14W–.10 10 4.5b,3.6s 45 5-153

IDC XI 21 18 31 23.3–.73 22.85S 112.06W 0 4.0b,4.0 **¶621608927**

NEIC XI 21 18 31 26.4–2.3 22.91S–.06 112.1W–.10 10–1 4.6b,4.0

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC XII 03 04 40 04.3–.21 28.55S–.05 112.21W–.04 10 6.0s,5.7b 887 3-173

MOS XII 03 04 40 02.5–1.2 28.47S 112.17W 10 5.8s,5.4b **¶621611344**

IDC XII 03 04 40 03.1–.41 28.40S 112.26W 0 6.0s,5.3L

IPGP XII 03 04 40 04.0 28.63S 112.26W 5 6.1W,5.3L

NEIC XII 03 04 40 04 28.63S 112.26W 10 6.1W,5.3L

NEIC XII 03 04 40 04.7 28.52S 112.13W 10 6.1W,5.3L

GFZ XII 03 04 40 05.4–.13 28S–2.0 112W–2.0 10 6.2L,6.1b

NEIC XII 03 04 40 05.1–2.4 28.48S–.10 112.03W–.10 10–1 6.1,6.0

PTWC XII 03 04 40 05 28.50S 112.20W 10 5.8,6.0

GFZ XII 03 04 40 05.7 28.41S 112.19W 16 6.2W,6.0

BJI XII 03 04 40 07.5 28.60S 112.30W 10 6.3s,6.2

GCMT XII 03 04 40 09.6–.00 28.77S 112.33W 12 6.1W,6.2

NEIC XII 03 04 40 14.3 29.13S 112.49W 24 6.1,6.2

ISC Event type se.

MOS Error ellipse: s-maj=17.6km s-min=13.7km az=49.9.

IDC Error ellipse: s-maj=16.1km s-min=12.5km az=150.0.

IPGP Moment Tensor Solution. NP1:ϕ_s112.00000°,δ82.00000°,λ168.00000°. NP2:ϕ_s204.00000° ,δ78.00000°,λ8.00000°.

NEIC Event type se.

NEIC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se. Error ellipse: s-maj=18.1km s-min=12.3km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.07 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$1.08 $M_{r\theta}$0.21 $M_{\theta\phi}$-0.89 $M_{\phi r}$0.50 NP1:ϕ_s26.14000°,δ87.94000°,λ20.98000°. NP2:ϕ_s295.35000°,δ69.04000° ,λ177.80000°. Principal axes: T 1.5051,Plg16.0000°,Azm253.0000°; N 0.0426,Plg69.0000° ,Azm31.0000°; P -1.5477,Plg13.0000°,Azm159.0000° $M_0$1.53000×10^{18}

PTWC EASTER ISLAND REGION.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.16 $M_{\theta\theta}$-1.54 $M_{\phi\phi}$1.69 $M_{r\theta}$0.00 $M_{\theta\phi}$-1.38 $M_{\phi r}$-0.32 NP1: ϕ_s114.57562°,δ82.48340°,λ177.21270°. NP2:ϕ_s204.94052°,δ87.23667°,λ7.52540°. Principal axes: T 2.2401,Plg7.2725°,Azm69.9733°; N -0.1888,Plg81.9860°,Azm224.9898° ; P -2.0513,Plg3.3485°,Azm339.5455° $M_0$2.15191×10^{18}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202112030440A. Moment Tensor Solution. s162,c361; s165,c642;Duration: 2s_9 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07±.01 $M_{\theta\theta}$-1.42±.01; $M_{\phi\phi}$1.49±.01; $M_{r\theta}$0.28±.02; $M_{\theta\phi}$-1.33±.01; $M_{\phi r}$-0.24±.02; Best double couple: NP1:ϕ_s204.00000°,δ80.00000°,λ2.00000°. NP2:ϕ_s114.00000°,δ88.00000°,λ170.00000°. Principal axes: T 2.0560,Plg9.0000°,Azm68.0000°; N -0.1040,Plg80.0000°,Azm282.0000° ; P -1.9540,Plg6.0000°,Azm159.0000° $M_0$2.00500×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: 5$s_1$0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.03 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$1.33 $M_{r\theta}$0.53 $M_{\theta\phi}$-1.32 $M_{\phi r}$-0.64 NP1:ϕ_s204.62000°,δ69.88000° ,λ9.37000°. NP2:ϕ_s111.37000°,δ81.21000°,λ159.63000°. Principal axes: T 2.1679,Plg21.0000°,Azm66.0000°; N -0.2307,Plg68.0000°,Azm269.0000° ; P -1.9372,Plg8.0000°,Azm159.0000° $M_0$2.06000×10^{18}

(686) West Chile Rise.

IDC VII 03 04 04 26.8–1.2 36.75S 96.93W 0 3.9s,3.8b

GCMT VII 03 04 04 24.0 37.25S 96.75W 10 5.0s,3.8b **¶620927787**

GCMT VII 03 04 04 30.7–.30 37.00S–.01 96.80W–.02 16–1 4.9W,3.8b

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202107030404A. Moment Tensor Solution. s36,c43; s113,c156;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.58±.11 $M_{\theta\theta}$-0.27±.09; $M_{\phi\phi}$0.85±.10; $M_{r\theta}$0.46±.26; $M_{\theta\phi}$-2.84±.07; $M_{\phi r}$-0.53±.26; Best double couple: NP1:ϕ_s186.00000°,δ82.00000°,λ7.00000°. NP2:ϕ_s95.00000°,δ83.00000° ,λ172.00000°. Principal axes: T 3.3130,Plg10.0000°,Azm51.0000°; N -0.7090,Plg80.0000° ,Azm234.0000°; P -2.6040,Plg1.0000°,Azm141.0000° $M_0$2.95800×10^{16}

IDC VII 29 19 23 58.0–13 34.71S 98.63W 0 3.9b,3.9
¶620984134

IDC Error ellipse: s-maj=356.5km s-min=47.0km az=13.0.

ISC VIII 06 07 24 50.4–1.2 36.9S–.20 96.7W–.20 10 3.7b,3.5s 6 15-106

IDC VIII 06 07 24 48.6–1.4 36.91S 96.72W 0 3.7b,3.7 **¶620998862**

ISC Event type se.

IDC Error ellipse: s-maj=38.7km s-min=29.3km az=61.0.

ISC VIII 17 01 30 24.5–.48 44.47S–.07 81.41W–.08 10 4.7b,4.0s 108 7-174

IDC VIII 17 01 30 20.0–.70 44.57S 81.94W 0 4.1b,4.0 **¶620990410**

GFZ VIII 17 01 30 22.4–.25 45S–3.0 82W–4.0 10 4.4b,4.4

GCMT VIII 17 01 30 24.1–.30 44.43S–.02 81.98W–.02 18–0 5.0W,4.4

NEIC VIII 17 01 30 27.2–1.0 44.38S–.08 81.1W–.20 10–1 4.8b,4.4

ISC Event type se.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108170130A. Moment Tensor Solution. s42,c51; s108,c158; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.53±.18 $M_{\theta\theta}$0.40±.10; $M_{\phi\phi}$3.13±.12; $M_{r\theta}$1.68±.31; $M_{\theta\phi}$-0.78±.07; $M_{\phi r}$-1.33±.26; Best double couple: NP1:ϕ_s179.00000°,δ33.00000° ,λ-64.00000°. NP2:ϕ_s328.00000°,δ60.00000°,λ-106.00000°. Principal axes: T 3.7650,Plg14.0000°,Azm70.0000°; N 0.5190,Plg14.0000°,Azm336.0000° ; P -4.2850,Plg70.0000°,Azm203.0000° $M_0$4.02500×10^{16}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VIII 22 08 51 04.9–.42 40.45S–.07 91.78W–.07 10 4.6b,3.9s 123 14-165

IDC VIII 22 08 51 03.4–.57 40.52S 91.73W 0 4.2b,4.2 **¶620999443**

NEIC VIII 22 08 51 04.8–1.3 40.49S–.04 91.8W–.20 10–1 4.7b,4.2

GFZ VIII 22 08 51 07.0–.27 40S–4.0 92W–4.0 10 4.6b,4.6

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC VIII 20 19 45 12.9–.67 40.40S–.08 91.5W–.10 10 4.3b,3.9s 52 15-111

IDC VIII 20 19 45 10.4–.87 40.24S 91.04W 0 3.8,3.8s **¶620999290**

NEIC VIII 20 19 45 13.7–1.9 40.42S–.10 91.2W–.20 10–1 4.4b,3.8s

GFZ VIII 20 19 45 15.9–.30 40S–4.0 92W–4.0 10 4.3b,4.3

GCMT VIII 20 19 45 18.4–.40 40.24S–.02 91.67W–.03 21–2 4.8W,4.3

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108201945A. Moment Tensor Solution. s20,c22; s87,c103; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.13 $M_{\theta\theta}$-0.57±.11; $M_{\phi\phi}$0.85±.11; $M_{r\theta}$0.48±.18; $M_{\theta\phi}$1.77±.07; $M_{\phi r}$0.54±.19; Best double couple: NP1:ϕ_s348.00000°,δ76.00000° ,λ171.00000°. NP2:ϕ_s80.00000°,δ82.00000°,λ14.00000°. Principal axes: T 2.2520,Plg16.0000°,Azm304.0000°; N -0.4790,Plg74.0000°,Azm110.0000° ; P -1.7730,Plg4.0000°,Azm213.0000° $M_0$2.01200×10^{16}

GCMT IX 02 12 48 57.2–.40 41.56S–.04 85.54W–.04 22–1 4.8W

GCMT IX 02 12 48 56.0 41.25S 85.75W 10 4.8s **¶621717470**

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202109021248A. Moment Tensor Solution. s17,c18; s70,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.21±.17 $M_{\theta\theta}$0.56±.10; $M_{\phi\phi}$1.66±.10; $M_{r\theta}$-0.40±.20; $M_{\theta\phi}$-0.45±.06; $M_{\phi r}$-0.09±.15; Best double couple: NP1:ϕ_s349.00000°,δ45.00000°,λ-78.00000°. NP2:ϕ_s152.00000°,δ46.00000°,λ-102.00000°. Principal axes: T 1.8220,Plg1.0000°,Azm250.0000°; N 0.4550,Plg9.0000°,Azm160.0000° ; P -2.2720,Plg81.0000°,Azm345.0000° $M_0$2.04700×10^{16}

ISC IX 01 07 11 29.2–.39 42.88S–.06 82.75W–.07 10 4.8b,4.6s 176 7-173

IDC IX 01 07 11 28.5–.68 43.04S 82.43W 0 4.7L,4.6s **¶621012689**

NEIC IX 01 07 11 30.1–2.8 42.82S–.07 82.6W–.10 10–1 5.5,4.9b

NEIC IX 01 07 11 31.4 42.65S 82.44W 10 5.5,4.9b

NEIC IX 01 07 11 31.4 42.64S 82.42W 10 5.5,4.9b

GFZ IX 01 07 11 31.1–.28 43S–4.0 82W–4.0 10 5.3W,5.1

GCMT IX 01 07 11 33.0–.10 43.09S–.01 83.09W–.01 16–0 5.4W,5.1

NEIC IX 01 07 11 37.6 42.95S 82.98W 12 5.4,5.1

ISC Event type se.

IDC Error ellipse: s-maj=24.8km s-min=17.1km az=100.0.

NEIC Event type se. Error ellipse: s-maj=17.7km s-min=12.6km az=273.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.82 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-1.35 $M_{r\theta}$-0.07 $M_{\theta\phi}$-1.88 $M_{\phi r}$0.37 NP1:ϕ_s348.02000°,δ82.55000°,λ14.31000°. NP2:ϕ_s256.13000°,δ75.81000° ,λ172.32000°. Principal axes: T 1.7589,Plg15.0000°,Azm213.0000°; N 0.7765,Plg74.0000° ,Azm15.0000°; P -2.5354,Plg5.0000°,Azm121.0000° $M_0$2.25000×10^{17}

NEIC Event type se.

NEIC Event type se.

GFZ Error ellipse: s-maj=10.2km s-min=6.7km az=120.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109010711A. Moment Tensor Solution. s117,c203; s148,c292;Duration: 1s_3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.02 $M_{\theta\theta}$0.61±.02; $M_{\phi\phi}$-0.45±.02; $M_{r\theta}$0.49±.05; $M_{\theta\phi}$-1.65±.02; $M_{\phi r}$-0.14±.05; Best double couple: NP1: ϕ_s172.00000°,δ76.00000°,λ4.00000°. NP2:ϕ_s81.00000°,δ86.00000°,λ166.00000°. Principal axes: T 1.9220,Plg13.0000°,Azm35.0000°; N -0.2460,Plg75.0000°,Azm244.0000° ; P -1.6770,Plg7.0000°,Azm127.0000° $M_0$1.79900×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2s_7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.18 $M_{\theta\theta}$0.49 $M_{\phi\phi}$-0.31 $M_{r\theta}$-0.34 $M_{\theta\phi}$-1.39 $M_{\phi r}$0.16 NP1:ϕ_s352.63000°,δ79.22000° ,λ5.67000°. NP2:ϕ_s261.56000°,δ84.43000°,λ169.17000°. Principal axes: T 1.6061,Plg12.0000°,Azm217.0000°; N -0.2453,Plg78.0000°,Azm55.0000° ; P -1.3608,Plg4.0000°,Azm307.0000° $M_0$1.50000×10^{17}

ISC IX 08 16 37 26.9–.22 38.19S–.05 93.92W–.04 10 5.5b,5.1s 685 13-174

IDC IX 08 16 37 24.9–.37 38.24S 93.69W 0 5.0s,4.9b **¶621043295**

MOS IX 08 16 37 26.1–1.1 38.19S 93.77W 10 5.6b,5.0s

NEIC IX 08 16 37 27.8 38.15S 93.84W 10 5.6b,5.0s

NEIC IX 08 16 37 27.4–1.6 38.16S–.09 93.88W–.03 10–1 5.5b,5.1

GFZ IX 08 16 37 28.2 38.14S 93.91W 12 5.6W,5.1

GFZ IX 08 16 37 28.6–.39 38S–3.0 94W–5.0 10 5.8b,5.7

GCMT IX 08 16 37 29.5–.10 38.19S–.01 93.79W–.01 12 5.5W,5.7

PTWC IX 08 16 37 29 37.20S 93.60W 10 5.9,5.7

NEIC IX 08 16 37 34.3 37.95S 93.71W 12 5.5,5.7

ISC Event type se.

IDC Error ellipse: s-maj=13.4km s-min=12.5km az=147.0.

MOS Error ellipse: s-maj=11.3km s-min=7.9km az=89.8.

NEIC Event type se.

NEIC Event type se. Error ellipse: s-maj=16.1km s-min=4.2km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.03 $M_{\theta\theta}$0.61 $M_{\phi\phi}$2.42 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.12 $M_{\phi r}$-1.25 NP1: ϕ_s182.90059°,δ32.64081°,λ-91.66098°. NP2:ϕ_s4.87287°,δ57.37461°,λ-88.93636°. Principal axes: T 2.7047,Plg12.3686°,Azm94.1029°; N 0.6024,Plg0.8958°,Azm184.2994° ; P -3.3070,Plg77.5980°,Azm278.3768° $M_0$3.05078×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109081637A. Moment Tensor Solution. s124,c205; s157,c330;Duration: 1s_4 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.37±.02 $M_{\theta\theta}$-0.01±.02; $M_{\phi\phi}$2.37±.02; $M_{r\theta}$0.33±.07; $M_{\theta\phi}$0.04±.02; $M_{\phi r}$-0.91±.06; Best double couple: NP1: ϕ_s188.00000°,δ35.00000°,λ-78.00000°. NP2:ϕ_s353.00000°,δ56.00000°,λ-99.00000°. Principal axes: T 2.5390,Plg11.0000°,Azm89.0000°; N 0.0360,Plg7.0000°,Azm358.0000° ; P -2.5800,Plg77.0000°,Azm235.0000° $M_0$2.55900×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s_3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.30 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$2.38 $M_{r\theta}$-0.27 $M_{\theta\phi}$0.18 $M_{\phi r}$0.80 NP1:ϕ_s11.85000°,δ36.30000° ,λ-77.46000°. NP2:ϕ_s176.42000°,δ54.70000°,λ-99.06000°. Principal axes: T 2.5198,Plg9.0000°,Azm273.0000°; N -0.0512,Plg7.0000°,Azm182.0000° ; P -2.4686,Plg78.0000°,Azm54.0000° $M_0$2.49000×10^{17}

ISC IX 08 17 05 12.1–2.0 38.2S–.40 93.8W–.20 10 3.9b 6 13-147

IDC IX 08 17 05 09.3–2.2 38.41S 93.97W 0 4.1s,3.9b **¶621105787**

ISC Event type se.

IDC Error ellipse: s-maj=65.9km s-min=36.3km az=16.0.

IDC IX 08 23 31 53.7–3.9 38.62S 93.80W 0 4.0b,3.9
¶621105810

IDC Error ellipse: s-maj=111.0km s-min=38.3km az=18.0.

ISC IX 08 21 25 30.6–.61 38.2S–.10 93.69W–.10 10 4.4b 55 13-162

IDC IX 08 21 25 29.2–.67 38.16S 93.73W 0 4.2b,4.2 **¶621105795**

NEIC IX 08 21 25 30.5–1.3 38.3S–.10 93.75W–.04 10–1 4.5b,4.2

GCMT IX 08 21 25 33.0–.40 38.33S–.05 93.69W–.03 12–2 4.9W,4.2

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109082125A. Moment Tensor Solution. s14,c16; s70,c88; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.86±.21 $M_{\theta\theta}$0.25±.12; $M_{\phi\phi}$1.61±.14; $M_{r\theta}$-0.08±.43; $M_{\theta\phi}$-0.37±.07; $M_{\phi r}$-1.66±.41; Best double couple: NP1:ϕ_s157.00000° ,δ25.00000°,λ-108.00000°. NP2:ϕ_s357.00000°,δ67.00000°,λ-82.00000°. Principal axes: T 2.3240,Plg21.0000°,Azm81.0000°; N 0.2220,Plg7.0000°,Azm174.0000° ; P -2.5420,Plg67.0000°,Azm281.0000° $M_0$2.43300×10^{16}

ISC IX 08 21 36 30.9–.84 38.1S–.10 93.7W–.10 10 4.2b 22 13-162

IDC IX 08 21 36 29.8–1.1 38.14S 93.74W 0 4.0b,4.0 **¶621105796**

NEIC IX 08 21 36 31.3–1.1 38.15S–.07 93.7W–.20 10–1 4.3b,4.0

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IX 08 15 34 00.5–.42 38.08S–.08 93.77W–.07 25 4.9b 161 13-171

IDC IX 08 15 33 57.0–.49 38.16S 93.85W 0 4.4b,4.4 **¶621043293**

NEIC IX 08 15 33 58.1–1.2 38.2S–.10 93.8W–.20 10–1 4.9b,4.4

GFZ IX 08 15 33 59.2–.47 38S–5.0 94W–5.0 10 5.6b,5.5

GCMT IX 08 15 34 01.8–.30 38.03S–.03 93.80W–.02 22–0 5.2W,5.5

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109081533A. Moment Tensor Solution. s46,c57; s95,c128; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.91±.34 $M_{\theta\theta}$0.67±.21; $M_{\phi\phi}$6.25±.25;

$M_{r\theta}$2.96±.37; $M_{\theta\theta}$-0.60±.17; $M_{\theta r}$-0.44±.36; Best double couple: NP1:ϕ_s191.00000°,δ44.00000°,λ-63.00000°. NP2:ϕ_s335.00000°,δ51.00000°,λ-114.00000°. Principal axes:
T 6.3600,Plg4.0000°,Azm82.0000°; N 1.5810,Plg19.0000°,Azm351.0000°
; P -7.9330,Plg71.0000°,Azm183.0000° $M_0$7.14600×10^{16}

ISC	**IX**	**08 15 37 19.1–.37**	**38.18S–.07**	**93.89W–.07**	**25**	**4.8b,4.7s**	**180**	**13-172**
IDC	IX	08 15 37 15.6–.49	38.18S	93.85W	0	4.6s,4.4b		**¶621043294**
NEIC	IX	08 15 37 17.2–1.3	38.2S–.10	93.9W–.20	10–1	4.9b,4.4b		
GFZ	IX	08 15 37 17.7	38.16S	93.90W	10	5.3W,4.4b		
GFZ	IX	08 15 37 17.8–.25	38S–3.0	94W–3.0	10	5.8,5.7		
GCMT	IX	08 15 37 19.2–.10	38.16S–.01	93.82W–.01	12	5.3W,5.7		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07 $M_{\theta\theta}$0.04 $M_{\phi\phi}$1.03 $M_{r\theta}$0.20 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.48 NP1: ϕ_s191.02704°,δ33.56988°,λ-74.05735°. NP2:ϕ_s352.10303°,δ57.88060°,λ-100.33077°. Principal axes: T 1.1291,Plg12.3106°,Azm89.5605°; N 0.0736,Plg8.7360°,Azm357.6388°
; P -1.2027,Plg74.8244°,Azm233.1297° $M_0$1.16766×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109081537A. Moment Tensor Solution. s92,c150; s148,c273;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.16±.01 $M_{\theta\theta}$-0.02±.01; $M_{\phi\phi}$1.18±.01; $M_{r\theta}$0.24±.04; $M_{\theta\phi}$0.02±.01; $M_{\phi r}$-0.30±.04; Best double couple: NP1: ϕ_s192.00000°,δ39.00000°,λ-72.00000°. NP2:ϕ_s350.00000°,δ53.00000°,λ-104.00000°. Principal axes: T 1.2190,Plg7.0000°,Azm89.0000°; N 0.0310,Plg11.0000°,Azm358.0000°
; P -1.2460,Plg77.0000°,Azm213.0000° $M_0$1.23200×10^{17}

IDC	**IX**	**08 23 33 01.1–4.1**	**38.21S**	**93.92W**	**0**	**4.0b,4.0**		
								¶621105811

IDC Error ellipse: s-maj=130.9km s-min=50.7km az=167.0.

ISC	**IX**	**08 23 48 46.5–.33**	**38.19S–.06**	**93.85W–.06**	**25**	**5.0b,4.6s**	**308**	**13-174**
IDC	IX	08 23 48 43.0–.45	38.28S	93.76W	0	4.6b,4.6		**¶621044107**
NEIC	IX	08 23 48 44.8–1.1	38.20S–.08	93.7W–.10	10–1	5.1b,4.6		
GFZ	IX	08 23 48 44.3–.47	38S–4.0	94W–6.0	10	5.6b,5.6		
NEIC	IX	08 23 48 45.4	38.15S	93.80W	10	5.6b,5.6		
NEIC	IX	08 23 48 45.9	38.15S	93.92W	12	5.4,5.6		
GFZ	IX	08 23 48 45.4	38.23S	94.04W	10	5.2W,5.6		
GCMT	IX	08 23 48 46.1–.10	38.31S–.01	93.79W–.01	12	5.3W,5.6		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.89 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$0.90 $M_{r\theta}$-0.74 $M_{\theta\phi}$-0.22 $M_{\phi r}$0.67 NP1:ϕ_s5.92000°,δ26.91000°,λ-50.78000°. NP2:ϕ_s143.45000°,δ69.47000°,λ-107.80000°. Principal axes:
T 1.2916,Plg22.0000°,Azm247.0000°; N 0.1206,Plg17.0000°,Azm150.0000°
; P -1.4122,Plg61.0000°,Azm27.0000° $M_0$1.36000×10^{17}

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-9.50 $M_{\theta\theta}$1.25 $M_{\phi\phi}$8.25 $M_{r\theta}$0.38 $M_{\theta\phi}$-1.66 $M_{\phi r}$-2.62 NP1: ϕ_s166.30212°,δ36.89264°,λ-91.73403°. NP2:ϕ_s348.46993°,δ53.12705°,λ-88.69882°. Principal axes: T 8.9983,Plg8.1186°,Azm77.5406°; N 0.8810,Plg1.0409°,Azm167.6891°
; P -9.8793,Plg81.8140°,Azm264.9449° $M_0$9.46956×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109082348A. Moment Tensor Solution. s92,c134; s148,c271;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04±.01 $M_{\theta\theta}$0.07±.01; $M_{\phi\phi}$0.96±.01; $M_{r\theta}$0.18±.04; $M_{\theta\phi}$-0.29±.01; $M_{\phi r}$-0.18±.04; Best double couple: NP1: ϕ_s170.00000°,δ39.00000°,λ-80.00000°. NP2:ϕ_s337.00000°,δ51.00000°,λ-98.00000°. Principal axes: T 1.0740,Plg6.0000°,Azm73.0000°; N 0.0010,Plg6.0000°,Azm342.0000°
; P -1.0780,Plg81.0000°,Azm206.0000° $M_0$1.07600×10^{17}

ISC	**IX**	**08 20 54 22.5–.86**	**38.3S–.20**	**93.9W–.10**	**10**	**4.0b**	**10**	**13-162**
IDC	IX	08 20 54 21.3–.85	38.28S	93.87W	0	4.0b,4.0		**¶621105793**

ISC Event type se.

IDC Error ellipse: s-maj=26.5km s-min=25.9km az=47.0.

ISC	**IX**	**08 21 06 57.3–.92**	**38.1S–.20**	**93.9W–.30**	**25**	**3.9b**	**10**	**13-162**
IDC	IX	08 21 06 53.0–.96	38.10S	93.86W	0	4.0b,4.0		**¶621105794**

ISC Event type se.

IDC Error ellipse: s-maj=41.1km s-min=28.1km az=98.0.

ISC	**IX**	**08 21 17 33.8–.35**	**38.18S–.07**	**93.81W–.07**	**10**	**4.8b,4.4s**	**265**	**13-174**
IDC	IX	08 21 17 32.4–.50	38.18S	93.78W	0	4.6b,4.6		**¶621044100**
NEIC	IX	08 21 17 34.3–1.3	38.24S–.07	93.6W–.10	10–1	5.2,4.9b		
GFZ	IX	08 21 17 35.0	38.17S	93.96W	10	5.1W,4.9b		
GFZ	IX	08 21 17 35.0–.26	38S–3.0	94W–4.0	10	5.7b,5.3		
GCMT	IX	08 21 17 36.6–.10	38.24S–.01	93.82W–.01	12	5.1W,5.3		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.96 $M_{\theta\theta}$0.21 $M_{\phi\phi}$4.75 $M_{r\theta}$-0.93 $M_{\theta\phi}$1.06 $M_{\phi r}$-2.28 NP1: ϕ_s188.15332°,δ32.15540°,λ-97.32499°. NP2:ϕ_s16.78698°,δ58.13808°,λ-85.41750°. Principal axes: T 5.5435,Plg13.0252°,Azm103.4628°; N 0.0053,Plg3.8909°,Azm194.3643°
; P -5.5488,Plg76.3864°,Azm300.6747° $M_0$5.54612×10^{16}

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109082117A. Moment Tensor Solution. s79,c105; s131,c210;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.20±.08 $M_{\theta\theta}$0.22±.08; $M_{\phi\phi}$4.99±.08; $M_{r\theta}$1.33±.27; $M_{\theta\phi}$0.47±.07; $M_{\phi r}$-2.47±.24; Best double couple: NP1: ϕ_s198.00000°,δ34.00000°,λ-67.00000°. NP2:ϕ_s351.00000°,δ59.00000°,λ-105.00000°. Principal axes: T 5.5620,Plg13.0000°,Azm92.0000°; N 0.5230,Plg13.0000°,Azm359.0000°
; P -6.0790,Plg72.0000°,Azm226.0000° $M_0$5.82100×10^{16}

ISC	**IX**	**08 21 56 51.2–.43**	**38.06S–.08**	**93.77W–.08**	**25**	**4.6b,4.3s**	**142**	**13-171**
IDC	IX	08 21 56 47.3–.58	38.09S	94.04W	0	4.2b,4.2		**¶621044105**
NEIC	IX	08 21 56 48.8–1.2	38.2S–.10	93.8W–.20	10–1	4.7b,4.2		
GFZ	IX	08 21 56 49.9–.38	38S–4.0	94W–4.0	10	5.7,5.6		
GCMT	IX	08 21 56 50.7–.20	38.17S–.02	93.81W–.01	12	5.1W,5.6		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109082156A. Moment Tensor Solution. s60,c76; s128,c198; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.56±.08 $M_{\theta\theta}$0.10±.08; $M_{\phi\phi}$4.46±.08; $M_{r\theta}$1.21±.32; $M_{\theta\phi}$-0.49±.07; $M_{\phi r}$-1.77±.26; Best double couple: NP1:ϕ_s184.00000°,δ35.00000°,λ-72.00000°. NP2:ϕ_s343.00000°,δ57.00000°,λ-102.00000°. Principal axes: T 4.9020,Plg12.0000°,Azm81.0000°; N 0.2270,Plg10.0000°,Azm349.0000°
; P -5.1280,Plg75.0000°,Azm219.0000° $M_0$5.01500×10^{16}

ISC	**IX**	**09 00 15 36.8–.95**	**38.2S–.10**	**93.9W–.20**	**10**	**4.0b**	**15**	**13-108**
IDC	IX	09 00 15 36.2–1.2	38.15S	94.01W	0	4.2L,3.8b		**¶621105813**
NEIC	IX	09 00 15 36.8–1.5	38.32S–.09	93.8W–.30	10–2	4.3b,3.8b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**08 22 17 28.9–.48**	**38.12S–.09**	**93.8W–.10**	**25**	**4.6b,4.0s**	**76**	**13-171**
IDC	IX	08 22 17 25.4–.53	38.17S	93.91W	0	4.3b,4.3		**¶621105799**
NEIC	IX	08 22 17 26.7–1.1	38.19S–.10	93.9W–.20	10–1	4.7b,4.3		
GCMT	IX	08 22 17 28.9–.30	38.13S–.03	93.81W–.02	20–0	4.9W,4.3		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109082217A. Moment Tensor Solution. s34,c37; s98,c125; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.33±.19 $M_{\theta\theta}$0.53±.11; $M_{\phi\phi}$2.80±.13; $M_{r\theta}$0.51±.28; $M_{\theta\phi}$-0.31±.07; $M_{\phi r}$-0.69±.22; Best double couple: NP1:ϕ_s178.00000°,δ38.00000°,λ-81.00000°. NP2:ϕ_s346.00000°,δ52.00000°,λ-97.00000°. Principal axes:
T 2.9340,Plg7.0000°,Azm81.0000°; N 0.5260,Plg6.0000°,Azm350.0000°
; P -3.4630,Plg81.0000°,Azm221.0000° $M_0$3.19800×10^{16}

IDC	**IX**	**08 22 31 50.1–20**	**38.56S**	**92.87W**	**0**	**3.8b,3.8**		
								¶621105800

IDC Error ellipse: s-maj=696.3km s-min=368.2km az=117.0.

ISC	**IX**	**08 22 32 22.0–.89**	**38.2S–.20**	**94.0W–.30**	**25**	**4.0b**	**8**	**13-162**
IDC	IX	08 22 32 18.3–.92	38.21S	94.00W	0	3.9b,3.9		**¶621105803**

ISC Event type se.

IDC Error ellipse: s-maj=44.5km s-min=24.2km az=82.0.

ISC	**IX**	**09 00 35 30.9–.45**	**38.23S–.08**	**93.81W–.08**	**10**	**4.6b,4.2s**	**105**	**13-171**
IDC	IX	09 00 35 30.1–.57	38.28S	93.78W	0	4.4,4.3b		**¶621049364**
NEIC	IX	09 00 35 31.3–1.1	38.28S–.10	93.7W–.10	10–1	4.6b,4.3b		
GFZ	IX	09 00 35 32.1–.33	38S–5.0	94W–5.0	10	6.6b,6.5		
GCMT	IX	09 00 35 34.0–.20	38.30S–.03	93.79W–.02	12	5.0W,6.5		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090035A. Moment Tensor Solution. s34,c42; s103,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.41±.08 $M_{\theta\theta}$0.44±.08; $M_{\phi\phi}$2.97±.08; $M_{r\theta}$0.20±.43; $M_{\theta\phi}$-0.88±.07; $M_{\phi r}$-0.53±.30; Best double couple: NP1:ϕ_s163.00000°,δ40.00000°,λ-89.00000°. NP2:ϕ_s342.00000°,δ50.00000°,λ-91.00000°. Principal axes:
T 3.2950,Plg5.0000°,Azm72.0000°; N 0.1660,Plg0.0000°,Azm342.0000°
; P -3.4570,Plg85.0000°,Azm247.0000° $M_0$3.37600×10^{16}

ISC	**IX**	**08 22 47 14.1–.73**	**38.2S–.10**	**93.7W–.20**	**10**	**4.0b**	**14**	**13-166**
IDC	IX	08 22 47 12.6–.75	38.21S	93.73W	0	4.2L,4.0b		**¶621105805**

ISC Event type se.

IDC Error ellipse: s-maj=27.3km s-min=21.9km az=67.0.

ISC	**IX**	**09 01 43 33.1–.44**	**38.33S–.08**	**93.70W–.09**	**10**	**4.6b,4.0s**	**98**	**13-172**
IDC	IX	09 01 43 32.0–.56	38.35S	93.80W	0	4.3b,4.3		**¶621049362**
NEIC	IX	09 01 43 33.0–1.9	38.3S–.10	93.6W–.20	10–1	4.6b,4.3		
GFZ	IX	09 01 43 33.6–.27	38S–4.0	94W–4.0	10	4.4b,4.4		
GCMT	IX	09 01 43 34.8–.30	38.28S–.03	93.82W–.02	12–1	4.9W,4.4		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090143A. Moment Tensor Solution. s31,c35; s104,c149; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.67±.18 $M_{\theta\theta}$0.17±.09; $M_{\phi\phi}$2.50±.13; $M_{r\theta}$0.24±.34; $M_{\theta\phi}$-0.74±.07; $M_{\phi r}$-0.02±.29; Best double couple: NP1:ϕ_s169.00000°,δ44.00000°,λ-83.00000°. NP2:ϕ_s339.00000°,δ46.00000°,λ-97.00000°. Principal axes:
T 2.7150,Plg1.0000°,Azm74.0000°; N -0.0260,Plg5.0000°,Azm344.0000°
; P -2.6900,Plg85.0000°,Azm174.0000° $M_0$2.70200×10^{16}

ISC	**IX**	**09 04 12 27.7–.78**	**37.9S–.10**	**93.8W–.10**	**10**	**4.4b**	**38**	**13-147**
IDC	IX	09 04 12 25.8–1.2	38.00S	94.01W	0	4.2b,4.2		**¶621105839**
NEIC	IX	09 04 12 27.7–1.4	38.0S–.10	93.7W–.10	10–1	4.5b,4.2		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 01 12 10.7–.39**	**38.27S–.09**	**93.93W–.07**	**10**	**4.8b,4.4s**	**176**	**13-173**
IDC	IX	09 01 12 09.6–.51	38.37S	93.77W	0	4.4b,4.4		**¶621044109**
NEIC	IX	09 01 12 10.3–1.2	38.4S–.10	93.7W–.20	10–1	4.9b,4.4		
GFZ	IX	09 01 12 10.9–.32	38S–4.0	94W–5.0	10	6.6b,6.4		
GFZ	IX	09 01 12 11.7	38.27S	94.05W	10	5.1W,6.4		
GCMT	IX	09 01 12 12.9–.20	38.31S–.01	93.79W–.01	12	5.2W,6.4		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.20 $M_{\theta\theta}$1.69 $M_{\phi\phi}$4.51 $M_{r\theta}$0.86 $M_{\theta\phi}$-1.01 $M_{\phi r}$-2.94 NP1: ϕ_s161.77180°,δ30.48021°,λ-90.94190°. NP2:ϕ_s342.86470°,δ59.52435°,λ-89.44566°. Principal axes: T 5.6234,Plg14.5227°,Azm72.4598°; N 1.3676,Plg0.4778°,Azm162.5836°
; P -6.9910,Plg75.4691°,Azm254.4271° $M_0$6.41743×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090112A. Moment Tensor Solution. s71,c92; s134,c233; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.33±.10 $M_{\theta\theta}$0.71±.09; $M_{\phi\phi}$5.62±.10; $M_{r\theta}$1.41±.35; $M_{\theta\phi}$-2.12±.08; $M_{\phi r}$-0.88±.31; Best double couple: NP1:ϕ_s168.00000°,δ40.00000°,λ-76.00000°. NP2:ϕ_s331.00000°,δ52.00000°,λ-101.00000°. Principal axes:
T 6.5460,Plg6.0000°,Azm69.0000°; N 0.0760,Plg9.0000°,Azm338.0000°
; P -6.6210,Plg80.0000°,Azm193.0000° $M_0$6.58300×10^{16}

ISC	**IX**	**09 04 24 33.2–.71**	**38.1S–.10**	**93.8W–.10**	**10**	**4.4b**	**34**	**13-147**
IDC	IX	09 04 24 31.5–1.0	38.14S	93.96W	0	4.3b,4.3		**¶621105840**
NEIC	IX	09 04 24 33.2–1.1	38.10S–.06	93.8W–.20	10–1	4.4b,4.3		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**IX**	**09 04 47 42.5–14**	**38.57S**	**93.87W**	**0**	**3.5b,3.5**		
								¶621105842

IDC Error ellipse: s-maj=375.4km s-min=53.7km az=1.0.

ISC	**IX**	**09 04 58 33.5–.89**	**38.2S–.10**	**93.9W–.10**	**10**	**3.8b**	**29**	**13-82**
IDC	IX	09 04 58 32.5–3.7	38.27S	93.96W	0	4.0,3.8b		**¶621105843**
NEIC	IX	09 04 58 33.8–1.7	38.22S–.09	93.8W–.20	10–1	4.1b,3.8b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**08 22 49 15.7–.48**	**38.15S–.08**	**93.96W–.09**	**25**	**4.8b**	**140**	**13-171**
IDC	IX	08 22 49 11.9–.58	38.21S	93.95W	0	4.4b,4.4		**¶621049358**
NEIC	IX	08 22 49 13.7–1.2	38.2S–.10	93.9W–.20	10–1	4.8b,4.4		
GFZ	IX	08 22 49 14.2–.27	38S–4.0	94W–4.0	10	6.8b,6.6		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**IX**	**08 22 54 18.4–.56**	**38.43S–.09**	**93.7W–.10**	**13**	**4.5b,4.1s**	**60**	**13-163**
IDC	IX	08 22 54 15.1–.68	38.21S	93.97W	0	4.2s,4.0L		**¶621105806**
NEIC	IX	08 22 54 17.9–1.5	38.5S–.10	93.8W–.20	10–1	4.5b,4.0L		
GCMT	IX	08 22 54 19.4–.20	38.31S–.02	93.80W–.02	12	5.0W,4.0L		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109082254A. Moment Tensor Solution. s51,c62; s124,c185; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.93±.09 $M_{\theta\theta}$0.48±.09; $M_{\phi\phi}$3.45±.08; $M_{r\theta}$0.40±.33; $M_{\theta\phi}$-1.27±.07; $M_{\phi r}$-1.38±.28; Best double couple: NP1:ϕ_s158.00000°,δ35.00000°,λ-92.00000°. NP2:ϕ_s341.00000°,δ55.00000°,λ-88.00000°. Principal axes:
T 4.1730,Plg10.0000°,Azm70.0000°; N 0.0180,Plg1.0000°,Azm160.0000°
; P -4.1860,Plg80.0000°,Azm258.0000° $M_0$4.18000×10^{16}

ISC	**IX**	**08 23 04 33.7–.67**	**38.2S–.10**	**93.9W–.10**	**25**	**4.2b**	**35**	**13-166**
IDC	IX	08 23 04 29.9–.78	38.13S	94.04W	0	4.1L,4.0b		**¶621105807**
NEIC	IX	08 23 04 32.1–1.7	38.2S–.10	93.9W–.10	10–1	4.5b,4.0b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**08 23 13 49.7–.35**	**38.16S–.07**	**93.80W–.07**	**25**	**4.9b,4.6s**	**207**	**13-174**
IDC	IX	08 23 13 46.3–.48	38.25S	93.85W	0	4.5s,4.4b		**¶621044106**
NEIC	IX	08 23 13 47.7–1.5	38.2S–.10	93.9W–.10	10–1	4.9b,4.4b		
GFZ	IX	08 23 13 47.7–.47	38S–5.0	94W–6.0	10	5.8b,5.6		
NEIC	IX	08 23 13 48.1	38.15S	94.04W	10	5.8b,5.6		
GCMT	IX	08 23 13 49.4–.10	38.27S–.01	93.85W–.01	12	5.3W,5.6		
GFZ	IX	08 23 13 49.0	38.17S	93.99W	10	5.3W,5.6		
NEIC	IX	08 23 13 54.1	37.95S	93.78W	12	5.3,5.6		

ISC Event type se.

IDC Error ellipse: s-maj=20.7km s-min=15.8km az=92.0.

NEIC Event type se. Error ellipse: s-maj=17.9km s-min=15.8km az=34.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109082313A. Moment Tensor Solution. s98,c150; s142,c261;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$0.02±.01; $M_{\phi\phi}$0.95±.01; $M_{r\theta}$0.17±.04; $M_{\theta\phi}$-0.31±.01; $M_{\phi r}$-0.10±.03; Best double couple: NP1: ϕ_s172.00000°,δ42.00000°,λ-78.00000°. NP2:ϕ_s335.00000°,δ50.00000°,λ-101.00000°. Principal axes: T 1.0600,Plg4.0000°,Azm73.0000°; N -0.0540,Plg8.0000°,Azm342.0000° ; P -1.0060,Plg81.0000°,Azm190.0000° $M_0$1.03300×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-9.79 $M_{\theta\theta}$1.95 $M_{\phi\phi}$7.84 $M_{r\theta}$0.45 $M_{\theta\phi}$-1.82 $M_{\phi r}$-3.74 NP1: ϕ_s161.70963°,δ33.90001°,λ-94.57382°. NP2:ϕ_s347.21491°,δ56.22251°,λ-86.93271°. Principal axes: T 9.0954,Plg11.1733°,Azm75.0046°; N 1.4567,Plg2.5492°,Azm165.5085° ; P -10.5520,Plg78.5322°,Azm268.1857° $M_0$9.90436×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$0.90 $M_{r\theta}$0.01 $M_{\theta\phi}$-0.26 $M_{\phi r}$0.73 NP1:ϕ_s333.64000°,δ27.02000° ,λ-109.87000°. NP2:ϕ_s175.72000°,δ64.70000°,λ-80.16000°. Principal axes: T 1.2111,Plg19.0000°,Azm258.0000°; N -0.0982,Plg9.0000°,Azm351.0000° ; P -1.1129,Plg69.0000°,Azm105.0000° $M_0$1.17000×10^{17}

ISC	**IX**	**09 02 04 44.3–.85**	**38.3S–.10**	**94.0W–.20**	**10**	**4.3b**	**19**	**13-145**
IDC	IX	09 02 04 42.4–.94	38.11S	94.01W	0	3.9b,3.9		¶621105819
NEIC	IX	09 02 04 45.7–1.8	38.5S–.10	93.86W–.08	10–1	4.7b,3.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 01 23 49.1–.63**	**38.3S–.10**	**94.2W–.10**	**10**	**3.9b**	**22**	**13-97**
IDC	IX	09 01 23 48.5–1.2	38.25S	93.99W	0	4.0L,3.8b		¶621105817
NEIC	IX	09 01 23 49.2–1.1	38.26S–.06	94.2W–.20	10–1	4.9b,3.8b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 02 25 35.8–.40**	**38.26S–.07**	**93.91W–.09**	**10**	**4.7b,4.5s**	**171**	**13-171**
IDC	IX	09 02 25 34.8–.52	38.34S	93.88W	0	4.4s,4.3b		¶621049363
NEIC	IX	09 02 25 36.0–1.3	38.29S–.09	93.91W–.09	10–1	4.7b,4.3b		
GFZ	IX	09 02 25 36.7	38.35S	94.19W	10	5.0W,4.3b		
GFZ	IX	09 02 25 36.7–.28	38S–5.0	94W–5.0	10	4.4b,4.4		
GCMT	IX	09 02 25 37.3–.20	38.29S–.02	93.79W–.01	12	5.1W,4.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.91 $M_{\theta\theta}$1.42 $M_{\phi\phi}$3.49 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.75 $M_{\phi r}$-1.13 NP1: ϕ_s162.04634°,δ37.28052°,λ-89.81922°. NP2:ϕ_s341.81914°,δ52.71970°,λ-90.13762°. Principal axes: T 3.8974,Plg7.7196°,Azm71.9173°; N 1.1739,Plg0.1095°,Azm341.9025° ; P -5.0713,Plg82.2796°,Azm251.0948° $M_0$4.59815×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090225A. Moment Tensor Solution. s74,c93; s130,c204; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.91±.09 $M_{\theta\theta}$0.60±.09; $M_{\phi\phi}$4.31±.09; $M_{r\theta}$1.27±.35; $M_{\theta\phi}$-1.71±.07; $M_{\phi r}$-0.60±.29; Best double couple: NP1:ϕ_s169.00000°,δ40.00000° ,λ-74.00000°. NP2:ϕ_s328.00000°,δ52.00000°,λ-103.00000°. Principal axes: T 5.0850,Plg6.0000°,Azm68.0000°; N 0.1090,Plg10.0000°,Azm336.0000° ; P -5.1940,Plg78.0000°,Azm187.0000° $M_0$5.14000×10^{16}

ISC	**IX**	**09 02 35 28.3–.69**	**38.1S–.10**	**94.1W–.10**	**10**	**4.3b,4.1s**	**31**	**13-162**
IDC	IX	09 02 35 27.1–.81	38.20S	94.11W	0	4.1b,4.1		¶621105820
NEIC	IX	09 02 35 28.7–1.1	38.11S–.07	94.2W–.20	10–1	4.5b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 02 37 40.7–2.9**	**38.3S–.60**	**94.0W–.20**	**10**	**3.7b**	**6**	**13-145**
IDC	IX	09 02 37 39.7–3.1	38.23S	94.02W	0	3.7b,3.7		¶621105821

ISC Event type se.
IDC Error ellipse: s-maj=93.4km s-min=34.7km az=6.0.

IDC	**IX**	**08 23 17 47.6–1.2**	**38.23S**	**93.85W**	**0**	**3.9b,3.9**		
								¶621105809

IDC Error ellipse: s-maj=37.7km s-min=28.2km az=96.0.

ISC	**IX**	**09 05 08 26.6–.68**	**38.1S–.10**	**93.8W–.10**	**10**	**4.4b**	**36**	**13-147**
IDC	IX	09 05 08 25.8–.82	38.15S	93.92W	0	4.1b,4.1		¶621105844
NEIC	IX	09 05 08 26.6–.61	38.2S–.10	93.9W–.20	10–1	4.5b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**IX**	**09 07 14 48.7–4.2**	**37.73S**	**93.57W**	**0**	**3.6b,3.6**		
								¶621105856

IDC Error ellipse: s-maj=107.7km s-min=38.3km az=25.0.

IDC	**IX**	**09 02 51 01.2–8.1**	**38.44S**	**94.03W**	**0**	**3.7b,3.7**		
								¶621105823

IDC Error ellipse: s-maj=212.9km s-min=39.3km az=13.0.

ISC	**IX**	**09 07 16 53.7–3.1**	**38.0S–.50**	**93.7W–.30**	**10**	**3.6b**	**6**	**13-82**
IDC	IX	09 07 16 52.4–3.7	37.91S	93.71W	0	3.6b,3.6		¶621105857

ISC Event type se.
IDC Error ellipse: s-maj=100.6km s-min=32.3km az=19.0.

ISC	**IX**	**09 07 24 19.6–.75**	**38.0S–.10**	**94.0W–.10**	**10**	**4.2b,3.9s**	**30**	**13-93**
IDC	IX	09 07 24 18.1–3.7	37.92S	93.69W	0	3.9b,3.9		¶621105858
NEIC	IX	09 07 24 20.5–1.4	38.01S–.07	94.0W–.20	10–1	4.3b,3.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 03 08 20.6–.42**	**38.09S–.08**	**94.08W–.08**	**10**	**4.6b,3.9s**	**147**	**13-174**
IDC	IX	09 03 08 19.1–.52	38.13S	94.05W	0	4.4b,4.4		¶621105824
NEIC	IX	09 03 08 20.7–1.2	38.12S–.08	94.1W–.10	10–1	4.6b,4.4		
GFZ	IX	09 03 08 21.7–.25	38S–4.0	94W–4.0	10	4.5b,4.5		
GCMT	IX	09 03 08 25.1–.30	38.11S–.02	93.92W–.03	17–1	5.0W,4.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090308A. Moment Tensor Solution. s32,c34; s91,c117; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.06±.24 $M_{\theta\theta}$1.71±.14; $M_{\phi\phi}$1.35±.15; $M_{r\theta}$0.89±.41; $M_{\theta\phi}$-1.92±.08; $M_{\phi r}$0.51±.42; Best double couple: NP1:ϕ_s150.00000°,δ45.00000° ,λ-64.00000°. NP2:ϕ_s295.00000°,δ50.00000°,λ-113.00000°. Principal axes: T 3.4740,Plg3.0000°,Azm42.0000°; N -0.0850,Plg18.0000°,Azm311.0000° ; P -3.3890,Plg72.0000°,Azm140.0000° $M_0$3.43200×10^{16}

ISC	**IX**	**09 05 48 27.7–.47**	**38.07S–.08**	**93.76W–.10**	**10**	**4.7b,4.4s**	**77**	**13-166**
IDC	IX	09 05 48 26.8–.54	38.05S	93.90W	0	4.4s,4.3b		¶621105847
NEIC	IX	09 05 48 27.7–1.6	38.1S–.10	93.7W–.20	10–1	4.7b,4.3b		
GCMT	IX	09 05 48 30.1–.40	38.30S–.03	93.67W–.04	12–1	5.0W,4.3b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090548A. Moment Tensor Solution. s15,c16; s73,c89; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.72±.32 $M_{\theta\theta}$1.41±.18; $M_{\phi\phi}$1.31±.19; $M_{r\theta}$-2.32±.65; $M_{\theta\phi}$-1.24±.10; $M_{\phi r}$-2.67±.71; Best double couple: NP1:ϕ_s125.00000° ,δ36.00000°,λ-142.00000°. NP2:ϕ_s3.00000°,δ68.00000°,λ-60.00000°. Principal axes: T 2.6650,Plg18.0000°,Azm71.0000°; N 2.4450,Plg28.0000°,Azm171.0000° ; P -5.1110,Plg56.0000°,Azm312.0000° $M_0$3.88800×10^{16}

IDC	**IX**	**09 07 27 15.8–6.7**	**37.81S**	**93.42W**	**0**	**3.6b,3.6**		
								¶621105859

IDC Error ellipse: s-maj=181.4km s-min=35.4km az=12.0.

ISC	**IX**	**09 03 16 57.9–.86**	**37.5S–.10**	**93.7W–.10**	**10**	**3.9b**	**21**	**13-81**
IDC	IX	09 03 16 57.9–3.5	37.44S	93.69W	0	3.8b,3.7		¶621105826
NEIC	IX	09 03 16 57.6–1.4	37.45S–.09	93.6W–.20	10–1	4.2b,3.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 07 33 18.1–.89**	**37.9S–.10**	**93.8W–.10**	**10**	**4.2b**	**33**	**13-82**
IDC	IX	09 07 33 17.4–3.6	37.88S	93.53W	0	4.0,3.9b		¶621105860
NEIC	IX	09 07 33 17.9–1.3	37.9S–.10	94.0W–.10	10–1	4.3b,3.9b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 03 35 09.9–.89**	**38.1S–.10**	**94.1W–.10**	**10**	**4.3b**	**25**	**13-145**
NEIC	IX	09 03 35 08.8–1.4	38.1S–.10	94.4W–.20	10–2	4.4b		¶621105828
IDC	IX	09 03 35 09.4–.93	38.22S	93.94W	0	4.0b,3.9		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=23.0km az=326.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.0km s-min=22.7km az=75.0.

ISC	**IX**	**09 06 10 22.5–.53**	**38.02S–.09**	**93.75W–.09**	**10**	**4.6b**	**60**	**13-166**
IDC	IX	09 06 10 21.8–.65	38.05S	93.87W	0	4.2b,4.2		¶621105848
NEIC	IX	09 06 10 22.5–1.2	38.1S–.10	93.7W–.10	10–1	4.6b,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 06 22 01.4–2.9**	**37.5S–.50**	**93.2W–.30**	**10**	**3.7b**	**6**	**12-81**
IDC	IX	09 06 21 59.5–3.7	37.52S	93.31W	0	3.7b,3.7		¶621105849

ISC Event type se.
IDC Error ellipse: s-maj=102.0km s-min=28.8km az=21.0.

ISC	**IX**	**09 13 07 57.1–.74**	**38.0S–.10**	**94.4W–.10**	**10**	**4.3b,3.8s**	**27**	**13-147**
IDC	IX	09 13 07 56.6–1.1	38.00S	94.37W	0	3.9b,3.9s		¶621105881
NEIC	IX	09 13 07 57.6–2.8	38.0S–.10	94.4W–.20	10–1	4.5b,3.9s		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 06 25 20.6–.68**	**38.0S–.10**	**93.7W–.10**	**10**	**4.2b**	**30**	**13-147**
IDC	IX	09 06 25 19.3–.73	38.02S	93.81W	0	4.1b,4.1		¶621105850
NEIC	IX	09 06 25 20.6–1.3	38.07S–.06	93.8W–.20	10–1	4.4b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 06 27 07.8–.79**	**38.11S–.10**	**93.6W–.10**	**10**	**4.4b**	**43**	**13-147**
IDC	IX	09 06 27 07.2–.93	38.15S	93.95W	0	4.0b,4.0		¶621105851
NEIC	IX	09 06 27 07.3–.50	38.20S–.06	93.7W–.20	10–1	4.5b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**IX**	**09 06 39 42.5–14**	**38.33S**	**93.91W**	**0**	**3.7b,3.7**		
								¶621105852

IDC Error ellipse: s-maj=378.6km s-min=51.8km az=1.0.

ISC	**IX**	**09 06 42 47.3–.35**	**38.21S–.06**	**93.82W–.06**	**10**	**5.1b,4.4s**	**333**	**13-174**
IDC	IX	09 06 42 46.1–.49	38.31S	93.80W	0	4.7b,4.7		¶621044119
NEIC	IX	09 06 42 47.7–1.5	38.22S–.10	93.7W–.10	10–1	5.1b,4.7		
GFZ	IX	09 06 42 48.8–.21	38S–3.0	94W–3.0	10	6.2,6.2		
GCMT	IX	09 06 42 50.5–.20	38.34S–.01	93.73W–.02	12–1	5.1W,6.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109090642A. Moment Tensor Solution. s46,c57; s116,c184; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.31±.23 $M_{\theta\theta}$0.64±.15; $M_{\phi\phi}$2.68±.16; $M_{r\theta}$-0.45±.39; $M_{\theta\phi}$-4.26±.10; $M_{\phi r}$-2.79±.48; Best double couple: NP1:ϕ_s108.00000° ,δ46.00000°,λ-146.00000°. NP2:ϕ_s353.00000°,δ66.00000°,λ-49.00000°. Principal axes: T 6.4330,Plg12.0000°,Azm54.0000°; N -1.1200,Plg37.0000°,Azm153.0000° ; P -5.3080,Plg51.0000°,Azm310.0000° $M_0$5.87000×10^{16}

IDC	**IX**	**09 07 11 36.3–3.8**	**37.89S**	**93.60W**	**0**	**3.6b,3.6**		
								¶621105855

IDC Error ellipse: s-maj=104.7km s-min=36.7km az=22.0.

IDC	**IX**	**09 03 41 12.7–5.2**	**37.78S**	**93.42W**	**0**	**3.7b,3.7**		
								¶621105831

IDC Error ellipse: s-maj=166.3km s-min=31.5km az=26.0.

ISC	**IX**	**09 03 53 56.8–.81**	**38.1S–.10**	**93.8W–.10**	**10**	**4.5b**	**31**	**13-149**
IDC	IX	09 03 53 55.2–.93	38.06S	93.86W	0	4.3s,4.2b		¶621105834
NEIC	IX	09 03 53 57.0–1.4	38.1S–.10	93.8W–.20	10–1	4.5b,4.2b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 04 04 41.4–.92**	**38.0S–.10**	**94.1W–.20**	**10**	**4.4b**	**25**	**18-82**
IDC	IX	09 04 04 38.9–3.5	37.92S	93.91W	0	3.9b,3.8		¶621105837
NEIC	IX	09 04 04 41.8–1.0	38.0S–.10	94.1W–.20	10–1	4.5b,3.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 04 08 45.0–.86**	**37.8S–.10**	**94.2W–.10**	**10**	**4.2b**	**29**	**13-147**
IDC	IX	09 04 08 43.8–1.8	37.75S	94.15W	0	3.8b,3.8		¶621105838
NEIC	IX	09 04 08 45.1–1.7	37.80S–.07	94.2W–.10	10–1	4.4b,3.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**IX**	**09 10 08 01.2–3.8**	**37.82S**	**93.73W**	**0**	**3.8s,3.7**		
								¶621105871

IDC Error ellipse: s-maj=106.0km s-min=36.6km az=23.0.

ISC	**IX**	**09 10 19 29.5–.86**	**38.2S–.10**	**94.0W–.10**	**10**	**4.3b,3.8s**	**23**	**13-147**
IDC	IX	09 10 19 28.4–.93	38.21S	93.95W	0	4.2,4.1b		¶621105872
NEIC	IX	09 10 19 29.2–1.4	38.2S–.20	94.0W–.20	10–1	4.4b,4.1b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**IX**	**09 10 29 27.7–1.4**	**38.36S**	**94.19W**	**0**	**3.5b,3.5**		
								¶621105873

IDC Error ellipse: s-maj=57.9km s-min=32.1km az=72.0.

IDC	**IX**	**09 10 51 03.4–4.0**	**38.02S**	**93.64W**	**0**	**3.7b,3.6**		
								¶621105874

IDC Error ellipse: s-maj=112.6km s-min=37.9km az=23.0.

IDC	**IX**	**09 10 52 24.0–9.4**	**37.77S**	**93.90W**	**0**	**3.5b,3.5**		
								¶621105875

IDC Error ellipse: s-maj=352.5km s-min=42.9km az=36.0.

ISC	**IX**	**09 10 59 03.4–.83**	**38.2S–.20**	**94.2W–.20**	**25**	**4.2b,3.8s**	**10**	**13-147**
IDC	IX	09 10 58 59.8–.80	38.20S	94.19W	0	4.1b,4.1		¶621105877

ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=21.3km az=77.0.

ISC	**IX**	**09 13 36 19.5–.69**	**38.08S–.10**	**93.87W–.10**	**10**	**4.5b,3.9s**	**37**	**13-93**
IDC	IX	09 13 36 18.7–.90	38.19S	94.01W	0	4.2L,4.1b		¶621105884
NEIC	IX	09 13 36 19.7–2.3	38.1S–.10	93.9W–.20	10–1	4.6b,4.1b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 11 52 31.0–.62**	**38.0S–.10**	**94.0W–.10**	**10**	**4.5b,3.8s**	**50**	**13-172**
IDC	IX	09 11 52 29.1–.74	38.04S	93.88W	0	4.3b,4.2		¶621049360
GFZ	IX	09 11 52 31.0–.34	38S–5.0	94W–5.0	10	7.8,7.7b		
NEIC	IX	09 11 52 31.2–.80	38.1S–.10	93.9W–.20	10–1	4.5b,7.7b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**IX**	**09 13 46 25.6–.95**	**38.1S–.10**	**93.5W–.10**	**10**	**4.2b,3.5s**	**29**	**13-82**
IDC	IX	09 13 46 23.7–.96	38.09S	93.99W	0	4.0L,4.0b		¶621105885
NEIC	IX	09 13 46 25.2–1.7	38.1S–.10	93.7W–.10	10–1	4.3b,4.0b		

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 14 49 16.5–.85 38.0S–.10 93.5W–.10 10 4.2b,3.7s 33 13-83
IDC IX 09 14 49 15.3–1.3 38.03S 93.84W 0 4.1L,4.0b **¶621105886**
NEIC IX 09 14 49 16.7–1.2 37.95S–.05 93.6W–.20 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 09 15 40 42.1–3.9 38.10S 94.27W 0 4.1L,3.7b
¶621105891
IDC Error ellipse: s-maj=110.2km s-min=36.6km az=25.0.
IDC IX 09 16 03 18.2–13 38.05S 94.06W 0 3.8b,3.8
¶621105892
IDC Error ellipse: s-maj=351.9km s-min=52.6km az=2.0.
ISC IX 09 16 27 23.1–.61 37.93S–.10 93.86W–.09 10 4.5b,3.8s 91 13-162
IDC IX 09 16 27 21.9–.69 37.95S 94.01W 0 4.4b,4.4 **¶621049366**
GFZ IX 09 16 27 22.1–.54 38S–5.0 94W–6.0 10 7.6,7.5b
NEIC IX 09 16 27 24.4–1.9 38.0S–.10 93.7W–.20 10–1 4.6b,7.5b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 21 41 08.8–.53 38.04S–.10 93.83W–.09 10 4.5b,3.8s 92 13-147
IDC IX 09 21 41 07.6–.87 38.10S 93.86W 0 4.2L,4.1b **¶621105909**
NEIC IX 09 21 41 08.9–1.7 38.1S–.10 93.8W–.10 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 09 18 44 44.2–1.2 38.3S–.20 94.6W–.20 10 4.0b 6 13-82
IDC IX 09 18 44 42.6–1.3 38.28S 94.61W 0 3.9b,3.9 **¶621105902**
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=30.2km az=67.0.
ISC IX 10 04 05 24.8–.80 38.1S–.10 94.0W–.10 10 4.3b,3.8s 25 13-147
IDC IX 10 04 05 23.3–.83 38.13S 94.10W 0 4.1b,4.1 **¶621070595**
NEIC IX 10 04 05 25.1–1.5 38.17S–.09 94.1W–.20 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 04 21 29.1–.45 42.76S–.07 83.77W–.08 10 4.9b,4.2s 125 9-174
IDC IX 10 04 21 28.2–.65 42.82S 83.21W 0 4.2s,4.1b **¶621051057**
NEIC IX 10 04 21 29.7 42.80S 83.61W 10 4.2s,4.1b
NEIC IX 10 04 21 30.0–1.9 42.73S–.03 83.6W–.20 10–1 5.1b,4.1b
GFZ IX 10 04 21 30.6–.27 43S–3.0 84W–4.0 10 4.6b,4.6
GCMT IX 10 04 21 30.6–.20 42.65S–.02 83.41W–.02 13–1 5.0W,4.6
NEIC IX 10 04 21 35.1 42.60S 83.33W 12 4.9,4.6
SJA IX 10 04 21 49.8–5.7 42.90S 83.81W 10–999 4.6W,4.6
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=19.2km az=110.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=4.8km az=279.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109100421A. Moment Tensor Solution. s30,c33; s99,c140; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.90±.17 $M_{\theta\theta}$-0.09±.09; $M_{\phi\phi}$2.98±.12; $M_{r\theta}$1.61±.28; $M_{\theta\phi}$-0.17±.06; $M_{\phi r}$0.21±.22; Best double couple: NP1:ϕ_s334.00000°,δ49.00000° ,λ-123.00000°. NP2:ϕ_s200.00000°,δ51.00000°,λ-58.00000°. Principal axes: T 2.9930,Plg1.0000°,Azm267.0000°; N 0.6440,Plg25.0000°,Azm358.0000° ; P -3.6410,Plg65.0000°,Azm175.0000° $M_0$3.31700×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.49 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$2.52 $M_{r\theta}$0.59 $M_{\theta\phi}$-0.10 $M_{\phi r}$1.09 NP1:ϕ_s345.56000°,δ34.76000° ,λ-110.83000°. NP2:ϕ_s190.41000°,δ57.80000°,λ-76.14000°. Principal axes: T 2.7428,Plg12.0000°,Azm270.0000°; N 0.0955,Plg12.0000°,Azm3.0000° ; P -2.8383,Plg73.0000°,Azm136.0000° $M_0$2.79000×10^{16}
SJA Event type se. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Presumed earthquake.
ISC IX 11 10 31 59.5–.63 38.07S–.08 93.9W–.10 25 4.2b 36 13-147
IDC IX 11 10 31 55.3–1.6 38.20S 94.07W 0 4.1b,4.1 **¶621108578**
NEIC IX 11 10 31 57.3–1.0 38.10S–.07 93.9W–.20 10–1 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 02 59 27.7–1.2 40.3S–.20 91.2W–.20 10 4.1b,3.9s 9 12-146
IDC IX 10 02 59 31.5–2.8 39.28S 91.21W 0 3.8s,3.7b **¶621108478**
ISC Event type se.
IDC Error ellipse: s-maj=79.8km s-min=30.9km az=21.0.
IDC IX 10 08 45 17.4–3.8 37.88S 93.82W 0 3.7,3.6b
¶621108497
IDC Error ellipse: s-maj=105.2km s-min=30.0km az=21.0.
ISC IX 10 08 49 59.6–1.9 38.3S–.40 94.1W–.20 10 3.6b 8 13-145
IDC IX 10 08 49 59.1–2.3 38.26S 93.96W 0 3.8b,3.8 **¶621108499**
ISC Event type se.
IDC Error ellipse: s-maj=67.1km s-min=24.8km az=14.0.
ISC IX 11 04 15 05.5–1.1 38.5S–.20 93.8W–.30 10 3.9b 6 13-147
IDC IX 11 04 15 04.2–1.3 38.46S 93.76W 0 3.7b,3.7 **¶621108556**
ISC Event type se.
IDC Error ellipse: s-maj=50.8km s-min=31.6km az=109.0.
ISC IX 10 07 31 18.9–1.3 38.4S–.20 93.8W–.10 10 4.1b 19 13-145
IDC IX 10 07 31 17.7–3.7 38.43S 93.97W 0 4.1b,4.0 **¶621108488**
NEIC IX 10 07 31 19.6–1.7 38.3S–.20 93.8W–.10 10–1 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 10 07 41 30.5–1.2 38.1S–.20 93.9W–.20 25 3.8b 6 13-82
IDC IX 10 07 41 26.6–1.4 38.09S 93.93W 0 3.9b,3.9 **¶621108490**
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=29.3km az=45.0.
ISC IX 10 07 55 23.3–.77 38.11S–.10 93.8W–.10 10 4.3b,3.9s 36 13-145
IDC IX 10 07 55 21.7–.98 38.17S 93.79W 0 4.0b,4.0 **¶621070609**
NEIC IX 10 07 55 23.3–1.2 38.2S–.10 93.8W–.20 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 10 10 12 09.2–14 37.72S 93.60W 0 3.6b,3.6
¶621108510
IDC Error ellipse: s-maj=367.2km s-min=53.7km az=2.0.
ISC IX 11 10 56 02.0–.59 38.16S–.09 93.98W–.09 25 4.5b,4.1s 90 13-147
GFZ IX 11 10 55 57.7–.44 38S–4.0 94W–6.0 10 5.7b,5.3 **¶621069786**
IDC IX 11 10 55 59.1–1.0 38.18S 93.82W 0 4.4,4.2b
NEIC IX 11 10 56 00.3–.96 38.2S–.10 94.0W–.20 10–1 4.6b,4.2b
GCMT IX 11 10 56 03.8–.50 38.16S–.04 94.06W–.04 23–1 5.0W,4.2b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109111056A. Moment Tensor Solution. s21,c21; s77,c92; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.13±.28 $M_{\theta\theta}$1.47±.16; $M_{\phi\phi}$1.66±.20; $M_{r\theta}$0.24±.23; $M_{\theta\phi}$-1.42±.10; $M_{\phi r}$1.59±.29; Best double couple: NP1:ϕ_s301.00000°,δ38.00000° ,λ-118.00000°. NP2:ϕ_s156.00000°,δ57.00000°,λ-70.00000°. Principal axes: T 3.1620,Plg10.0000°,Azm231.0000°; N 0.5310,Plg17.0000°,Azm324.0000° ; P -3.6930,Plg70.0000°,Azm112.0000° $M_0$3.42700×10^{16}
ISC IX 11 09 22 03.1–.69 38.5S–.10 92.59W–.09 10 4.8b 116 12-166
IDC IX 11 09 22 02.9–1.5 38.42S 92.51W 0 4.2b,4.2 **¶621069778**
NEIC IX 11 09 22 03.1–.95 38.49S–.07 92.6W–.10 10–1 4.9b,4.2
GFZ IX 11 09 22 04.9–.41 38S–6.0 92W–4.0 10 5.9b,5.4
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC IX 11 11 18 37.7–1.0 38.1S–.10 93.6W–.20 10 4.0b 15 13-82
IDC IX 11 11 18 36.3–16 38.20S 93.72W 0 3.8b,3.8 **¶621108580**
NEIC IX 11 11 18 37.8–.71 38.1S–.10 93.6W–.20 10–1 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 12 01 28 01.2–.70 38.1S–.10 93.9W–.20 10 4.4b,3.7s 29 13-147
IDC IX 12 01 27 59.6–.75 38.17S 94.12W 0 4.1L,4.1b **¶621109629**
NEIC IX 12 01 28 01.4–1.5 38.2S–.10 93.7W–.20 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 29 12 16 60.0–22 36.83S 96.05W 0 3.6s,3.4b
¶621391439
IDC Error ellipse: s-maj=720.9km s-min=341.5km az=124.0.
ISC IX 12 19 21 39.3–1.2 38.7S–.20 92.7W–.10 10 4.4b,3.6s 34 12-154
IDC IX 12 19 21 39.6–1.6 38.53S 92.98W 0 4.0b,4.0 **¶621109672**
NEIC IX 12 19 21 42.7–1.7 38.2S–.10 92.6W–.20 10–2 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 23 05 39 35.1–1.2 37.9S–.20 94.2W–.20 10 3.8b,3.6s 6 13-94
IDC IX 23 05 39 33.5–1.3 37.88S 94.27W 0 3.7b,3.7 **¶621125832**
ISC Event type se.
IDC Error ellipse: s-maj=40.4km s-min=30.0km az=66.0.
ISC X 29 12 42 29.5–1.1 37.8S–.20 94.7W–.10 10 4.0s,3.9b 7 13-99
IDC X 29 12 42 28.7–1.1 37.80S 94.26W 0 4.0s,3.9b **¶621391440**
GCMT X 29 12 42 32.0 38.25S 94.25W 10 4.9s,3.9b
GCMT X 29 12 42 32.3–.30 37.74S–.03 93.96W–.02 14–1 4.9W,3.9b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110291242A. Moment Tensor Solution. s34,c37; s90,c107;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.55±.17 $M_{\theta\theta}$0.24±.11; $M_{\phi\phi}$2.31±.13; $M_{r\theta}$1.27±.34; $M_{\theta\phi}$-0.19±.07; $M_{\phi r}$-1.47±.29; Best double couple: NP1:ϕ_s188.00000°,δ30.00000°,λ-61.00000°. NP2:ϕ_s335.00000°,δ64.00000°,λ-106.00000°. Principal axes: T 2.8370,Plg18.0000°,Azm77.0000°; N 0.5160,Plg14.0000°,Azm342.0000° ; P -3.3470,Plg67.0000°,Azm216.0000° $M_0$3.09200×10^{16}
ISC XI 14 17 48 56.9–.62 42.76S–.08 83.1W–.10 10 4.5b,3.6s 33 7-148
IDC XI 14 17 48 55.9–1.0 42.67S 83.22W 0 3.8b,3.8 **¶621468722**
NEIC XI 14 17 48 57.2–1.2 42.83S–.07 83.1W–.10 10–1 4.6b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 30 05 49 12.0–.45 41.72S–.08 83.64W–.07 10 5.0b,4.0s 235 8-173
IDC X 30 05 49 09.7–.50 41.94S 83.91W 0 4.6b,4.5 **¶621244338**
GCMT X 30 05 49 12.5–.20 41.93S–.02 83.78W–.02 13–0 4.9W,4.5
GFZ X 30 05 49 12.8 41.83S 83.60W 10 4.9W,4.5
NEIC X 30 05 49 13.8 41.45S 83.37W 10 4.9W,4.5
NEIC X 30 05 49 13.8–.88 41.5S–.10 83.4W–.10 10–1 5.1b,4.5
NEIC X 30 05 49 14.2 41.65S 83.90W 12 5.0,4.5
GFZ X 30 05 49 14.3–.30 42S–3.0 83W–4.0 10 5.5b,5.0
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110300549A. Moment Tensor Solution. s49,c62; s116,c171; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.95±.13 $M_{\theta\theta}$0.51±.08; $M_{\phi\phi}$2.45±.09; $M_{r\theta}$0.58±.23; $M_{\theta\phi}$-1.09±.05; $M_{\phi r}$-1.21±.20; Best double couple: NP1:ϕ_s156.00000°,δ33.00000° ,λ-89.00000°. NP2:ϕ_s335.00000°,δ57.00000°,λ-91.00000°. Principal axes: T 3.2300,Plg12.0000°,Azm66.0000°; N 0.0190,Plg1.0000°,Azm336.0000° ; P -3.2420,Plg78.0000°,Azm243.0000° $M_0$3.23600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.79 $M_{\theta\theta}$0.92 $M_{\phi\phi}$1.87 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.61 $M_{\phi r}$-1.06 NP1: ϕ_s150.85758°,δ33.55617°,λ-96.70290°. NP2:ϕ_s338.88491°,δ56.70321°,λ-85.57296°. Principal axes: T 2.3837,Plg11.6001°,Azm65.6908°; N 0.6402,Plg3.6992°,Azm156.4512° ; P -3.0239,Plg77.8087°,Azm263.8638° $M_0$2.76002×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.49 $M_{\theta\theta}$0.06 $M_{\phi\phi}$2.44 $M_{r\theta}$2.52 $M_{\theta\phi}$-0.86 $M_{\phi r}$-0.73 NP1:ϕ_s183.12000°,δ34.23000° ,λ-42.70000°. NP2:ϕ_s310.46000°,δ67.57000°,λ-116.57000°. Principal axes: T 3.2134,Plg18.0000°,Azm60.0000°; N 0.8361,Plg24.0000°,Azm321.0000° ; P -4.0494,Plg59.0000°,Azm183.0000° $M_0$3.70000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 31 07 40 42.3–.82 36.2S–.10 97.8W–.10 10 4.1b,3.8s 27 13-99
IDC X 31 07 40 40.7–1.1 36.20S 97.97W 0 3.8s,3.7b **¶621395229**
NEIC X 31 07 40 42.5–1.1 36.3S–.10 97.86W–.08 10–1 4.4b,3.7b
GCMT X 31 07 40 42.2–.30 36.40S–.02 98.29W–.02 18–1 4.8W,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110310740A. Moment Tensor Solution. s24,c27; s98,c129; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.48±.10 $M_{\theta\theta}$-0.21±.08; $M_{\phi\phi}$0.68±.08; $M_{r\theta}$-0.32±.19; $M_{\theta\phi}$-1.97±.06; $M_{\phi r}$-0.06±.17; Best double couple: NP1:ϕ_s6.00000°,δ79.00000° ,λ-6.00000°. NP2:ϕ_s97.00000°,δ84.00000°,λ-169.00000°. Principal axes: T 2.2670,Plg3.0000°,Azm231.0000°; N -0.4260,Plg78.0000°,Azm127.0000° ; P -1.8420,Plg12.0000°,Azm322.0000° $M_0$2.05500×10^{16}
ISC XI 01 07 45 34.9–.90 40.5S–.10 91.8W–.10 15 4.3b 32 12-84
NEIC XI 01 07 45 33.4–.78 40.5S–.10 91.9W–.20 10–1 4.2b **¶621309421**
IDC XI 01 07 45 33.1–1.4 40.50S 92.12W 0 4.0b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=20.0km az=304.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.9km s-min=27.8km az=123.0.
ISC XI 10 03 55 00.7–.61 40.35S–.08 91.61W–.09 10 4.5b,3.9s 93 12-111
IDC XI 10 03 54 58.9–.88 40.16S 91.99W 0 4.0L,4.0b **¶621385764**
NEIC XI 10 03 55 00.7–1.7 40.4S–.10 91.55W–.03 10–1 4.4b,4.0b
GCMT XI 10 03 55 01.5–.40 40.31S–.02 91.92W–.03 22–1 4.8W,4.0b
GFZ XI 10 03 55 02.0–.38 40S–3.0 92W–4.0 10 4.4b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111100355A. Moment Tensor Solution. s19,c23; s87,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.42±.12 $M_{\theta\theta}$-0.58±.11; $M_{\phi\phi}$1.00±.10; $M_{r\theta}$0.83±.18; $M_{\theta\phi}$2.02±.07; $M_{\phi r}$0.63±.16; Best double couple: NP1:ϕ_s348.00000°,δ68.00000° ,λ177.00000°. NP2:ϕ_s79.00000°,δ87.00000°,λ22.00000°. Principal axes: T 2.6940,Plg18.0000°,Azm306.0000°; N -0.6600,Plg68.0000°,Azm86.0000° ; P -2.0370,Plg13.0000°,Azm211.0000° $M_0$2.36500×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 23 20 55 55.0–.49 40.95S–.08 91.87W–.09 10 4.9b,4.5s 110 12-171
IDC XII 23 20 55 54.4–.60 41.06S 91.83W 0 4.6s,4.4b **¶621650666**
GFZ XII 23 20 55 54.9–.50 41S–4.0 92W–6.0 10 5.3b,4.7
NEIC XII 23 20 55 54.7–2.2 41.01S–.09 91.6W–.10 10–1 4.9b,4.7
GCMT XII 23 20 55 55.7–.20 41.14S–.02 91.75W–.01 23–0 5.3W,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112232055A. Moment Tensor Solution. s59,c69; s139,c219; Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.14±.03 $M_{\theta\theta}$0.21±.02; $M_{\phi\phi}$0.93±.02; $M_{r\theta}$-0.03±.03; $M_{\theta\phi}$-0.08±.01; $M_{\phi r}$-0.03±.03; Best double couple: NP1:ϕ_s173.00000°

,δ44.00000°,λ-92.00000°. NP2:ϕ_s355.00000°,δ46.00000°,λ-88.00000°. Principal axes:
T 0.9430,Plg1.0000°,Azm84.0000°; N 0.2010,Plg1.0000°,Azm174.0000°
; P -1.1410,Plg89.0000°,Azm320.0000° $M_0$1.04200×10^{17}

ISC	**XII**	**14 03 10 26.3–.74**	**37.0S–.10**	**95.3W–.10**	**10**	**4.1b**	**23**	**14-80**	
IDC	XII	14 03 10 23.1–13	37.41S	95.39W	0	3.9b,3.9			¶621652858
NEIC	XII	14 03 10 26.6–1.2	36.98S–.06	95.3W–.20	10–1	4.9b,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XI**	**15 15 53 32.5–.63**	**43.22S–.07**	**82.2W–.10**	**10**	**4.2b,3.9s**	**96**	**6-133**	
IDC	XI	15 15 53 31.1–.95	43.46S	82.45W	0	4.0b,3.9L			¶621406838
GFZ	XI	15 15 53 33.2–.31	43S–3.0	82W–4.0	10	5.5b,5.0			
NEIC	XI	15 15 53 33.7–1.1	43.15S–.09	82.2W–.20	10–1	4.4b,5.0			
ISC	Event type se.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**XII**	**05 17 46 37.5–.33**	**42.60S–.06**	**83.69W–.07**	**10**	**5.0b,4.4s**	**222**	**9-174**	
IDC	XII	05 17 46 35.8–.44	42.73S	83.62W	0	4.6b,4.6			¶621613013
NEIC	XII	05 17 46 38.5–2.2	42.44S–.09	83.5W–.10	10–1	5.1,5.1b			
GFZ	XII	05 17 46 39.5–.44	43S–3.0	84W–6.0	10	5.2b,4.7b			
GCMT	XII	05 17 46 39.2–.20	42.67S–.02	83.53W–.02	12	5.0W,4.7b			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ	smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112051746A. Moment Tensor Solution. s55,c64; s120,c184; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.90±.08 $M_{\theta\theta}$0.36±.08; $M_{\phi\phi}$3.55±.08; $M_{r\theta}$1.11±.30; $M_{\theta\phi}$-1.20±.07; $M_{\phi r}$-0.28±.25; Best double couple: NP1:ϕ_s174.00000°,δ42.00000°,λ-70.00000°. NP2:ϕ_s329.00000°,δ51.00000°,λ-107.00000°. Principal axes: T 4.0010,Plg5.0000°,Azm70.0000°; N 0.1790,Plg13.0000°,Azm339.0000° ; P -4.1720,Plg76.0000°,Azm180.0000° $M_0$4.08600×10^{16}								
ISC	**XII**	**25 16 57 33.6–.63**	**38.47S–.09**	**94.35W–.10**	**10**	**4.2b,4.1s**	**29**	**13-99**	
IDC	XII	25 16 57 33.0–1.1	38.55S	94.39W	0	4.0b,4.0			¶621700163
NEIC	XII	25 16 57 34.0–1.7	38.5S–.10	94.40W–.06	10–1	4.5b,4.0			
GCMT	XII	25 16 57 41.4–.20	37.37S–.01	94.96W–.02	19–1	5.0W,4.0			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112251657A. Moment Tensor Solution. s33,c42; s103,c135; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88±.15 $M_{\theta\theta}$0.25±.11; $M_{\phi\phi}$1.13±.12; $M_{r\theta}$-0.23±.22; $M_{\theta\phi}$-3.32±.09; $M_{\phi r}$-1.68±.29; Best double couple: NP1:ϕ_s97.00000°,δ61.00000°,λ-170.00000°. NP2:ϕ_s3.00000°,δ82.00000°,λ-29.00000°. Principal axes: T 4.1140,Plg14.0000°,Azm53.0000°; N -0.5520,Plg60.0000°,Azm168.0000° ; P -3.5600,Plg26.0000°,Azm316.0000° $M_0$3.83700×10^{16}								

(687) Juan Fernandez Islands region.

IDC	**VII**	**14 19 09 19.6–2.1**	**33.72S**	**78.09W**	**0**	**3.7,3.5L**			**¶620928612**
IDC	Error ellipse: s-maj=7.5km s-min=3.7km az=170.0.								

(688) East of North Island.

ISC	**VII**	**11 07 53 12.1–4.1**	**36.4S–.20**	**179.4W–.20**	**73–40**		**31**	**2-150**	
IDC	VII	11 07 53 10.9–5.0	35.72S	179.82W	0	3.8b,3.8			¶620928412
WEL	VII	11 07 53 13.0–1.1	36S–12	179W–11	100	3.6,3.6			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**VII**	**14 02 01 09.5–3.6**	**37.19S–.08**	**179.7W–.10**	**16–23**		**62**	**2-151**	
WEL	VII	14 02 01 15.0–1.1	37S–8.0	180W–8.0	33	3.7,3.7			¶626186691
IDC	VII	14 02 01 24.1–4.1	34.09S	178.24E	0	4.7L,4.2			
ISC	Event type se.								
WEL	Event type se. Error ellipse: s-maj=11.7km s-min=9.0km az=129.9. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
IDC	Error ellipse: s-maj=96.2km s-min=41.3km az=133.0.								
WEL	**VII**	**24 01 54 04.5–.93**	**38S–8.0**	**180W–6.0**	**12**	**3.6,3.6**			**¶626187134**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VII**	**26 10 36 41.3–1.6**	**36S–11**	**178W–15**	**10**	**4.6b,4.6**			**¶626187257**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**VIII**	**15 18 37 20.5–.74**	**37.00S–.06**	**179.88W–.07**	**10**	**4.4b**	**165**	**2-156**	
NEIC	VIII	15 18 37 19.8–1.4	37.1S–.10	179.8W–.10	10–2	4.4b			¶621023650
IDC	VIII	15 18 37 21.0–1.0	36.87S	179.63E	0	4.3b,4.3			
WEL	VIII	15 18 37 23.1–1.2	37S–8.0	180E–11	12	4.2,4.2			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VII**	**29 13 43 02.7–1.1**	**38S–8.0**	**180W–9.0**	**33**	**3.6L,3.6**			**¶626187423**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**VIII**	**15 11 20 04.8–3.7**	**36.84S–.06**	**179.97W–.10**	**5–22**	**3.8b**	**88**	**2-154**	
IDC	VIII	15 11 20 06.7–1.6	36.05S	179.58E	0	3.9b,3.9			¶621023596
WEL	VIII	15 11 20 08.3–1.0	37S–6.0	180E–9.0	12	3.7,3.7			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VII**	**29 17 05 11.7–1.0**	**38S–7.0**	**180W–7.0**	**33**	**3.7,3.7**			**¶626187435**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**VIII**	**16 20 53 35.2–2.3**	**36.79S–.08**	**179.9W–.10**	**22–14**		**58**	**2-154**	
IDC	VIII	16 20 53 34.4–2.7	36.12S	179.62E	0	4.1b,4.1			¶621030206
WEL	VIII	16 20 53 36.9–1.1	37S–6.0	180E–10	33	4.0,4.0			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**VIII**	**15 17 23 42.7–.99**	**35.12S–.08**	**179.5W–.10**	**35**	**4.1b**	**65**	**3-153**	
WEL	VIII	15 17 23 35.3–1.6	35S–10	179W–13	98–65	4.5b,4.5			¶621023640
IDC	VIII	15 17 23 37.8–1.2	34.93S	179.70W	0	4.2b,4.2			
ISC	Event type se.								
WEL	Event type se. Error ellipse: s-maj=19.0km s-min=10.8km az=62.2. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. preliminary.								
IDC	Error ellipse: s-maj=39.0km s-min=32.8km az=62.0.								
ISC	**VIII**	**24 00 12 13.9–3.8**	**37.63S–.07**	**179.8W–.10**	**14–23**		**79**	**1-151**	
IDC	VIII	24 00 12 17.1–4.8	36.04S	179.45E	0	3.8b,3.8			¶621049269
WEL	VIII	24 00 12 18.0–1.1	38S–7.0	180E–9.0	33	3.8L,3.7			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**VIII**	**23 11 36 37.6–1.9**	**35.22S–.09**	**179.6W–.10**	**10**		**57**	**3-149**	
IDC	VIII	23 11 36 34.2–4.7	35.35S	179.56W	0	4.2b,4.2			¶621049230
WEL	VIII	23 11 36 42.2–1.5	35S–7.0	180W–14	5	4.3b,4.2			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**VIII**	**24 01 37 46.2–2.1**	**37.54S–.06**	**179.97W–.08**	**12–11**	**4.3b**	**126**	**1-151**	
IDC	VIII	24 01 37 45.2–1.9	36.95S	179.97E	0	4.0b,4.0			¶621049276
NEIC	VIII	24 01 37 46.6–1.6	37.51S–.09	179.9E–.10	10–2	4.5b,4.0			
WEL	VIII	24 01 37 48.5–1.1	38S–6.0	180W–8.0	33	3.9,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**VIII**	**25 00 22 30.6–1.8**	**37.43S–.08**	**179.8W–.10**	**35**		**59**	**1-145**	
IDC	VIII	25 00 22 30.4–7.2	34.82S	179.90E	0	3.8b,3.8			¶626189308
WEL	VIII	25 00 22 31.5–1.0	37S–9.0	180W–7.0	33	3.7,3.7			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**16 16 28 26.9–1.4**	**35.7S–.20**	**179.2W–.20**	**50**	**3.8b**	**19**	**3-150**	
IDC	IX	16 16 28 23.4–1.4	34.18S	179.63W	0	3.7b,3.6			¶621112899
WEL	IX	16 16 28 26.6–1.5	36S–29	179W–32	173–35	3.8,3.8			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
WEL	**VIII**	**26 14 45 36.1–1.2**	**37S–11**	**179W–10**	**33**	**3.5L,3.5**			**¶626189397**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**19 18 07 04.0–1.9**	**37.66S–.05**	**179.93W–.06**	**9–10**	**4.3b**	**105**	**1-156**	
IDC	IX	19 18 07 03.3–1.0	37.17S	180.00E	0	4.0b,4.0			¶621113633
NEIC	IX	19 18 07 05.5–2.5	37.4S–.10	179.9E–.10	10–2	4.5b,4.0			
WEL	IX	19 18 07 07.6–.97	37S–7.0	180W–7.0	33	3.9L,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**19 14 36 11.7–1.3**	**37.62S–.05**	**179.95W–.06**	**19–5**	**4.0b**	**152**	**1-151**	
IDC	IX	19 14 36 10.3–1.0	36.97S	179.86E	0	4.1b,4.1			¶621083135
NEIC	IX	19 14 36 12.3–2.2	37.73S–.08	179.83E–.03	10–1	4.3b,4.1			
WEL	IX	19 14 36 15.5–1.0	37S–7.0	180E–8.0	33	4.4L,4.3			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**19 18 53 35.2–2.7**	**37.47S–.09**	**179.9W–.10**	**12–12**		**38**	**1-151**	
WEL	IX	19 18 53 38.6–1.0	37S–8.0	180W–7.0	33	3.3L,3.3			¶621113635
IDC	IX	19 18 53 43.3–2.9	36.55S	178.65E	0	3.4b,3.4			
ISC	Event type se.								
WEL	Event type se. Error ellipse: s-maj=11.2km s-min=8.5km az=152.4. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
IDC	Error ellipse: s-maj=63.6km s-min=23.7km az=110.0.								
WEL	**X**	**09 14 40 59.8–2.1**	**35S–41**	**179W–33**	**154–77**	**4.0,4.0**			**¶626703433**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**22 13 45 38.5–3.7**	**36.5S–.10**	**179.8W–.20**	**69–27**	**3.7b**	**58**	**2-54**	
WEL	IX	22 13 45 37.7–1.1	36S–8.0	180W–12	100–18	3.6L,3.5			¶621118151
IDC	IX	22 13 45 42.5–2.3	35.86S	178.51E	0	3.6b,3.6			
ISC	Event type se.								
WEL	Event type se. Error ellipse: s-maj=17.0km s-min=8.0km az=118.0. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
IDC	Error ellipse: s-maj=44.1km s-min=22.8km az=78.0.								
ISC	**X**	**04 03 31 50.3–.86**	**35.07S–.07**	**179.8W–.10**	**39**	**4.6b**	**104**	**3-154**	
IDC	X	04 03 31 44.5–.91	34.66S	179.84W	0	4.8b,4.7			¶621117527
WEL	X	04 03 31 52.1–1.6	35S–13	180W–16	135–56	5.0b,4.8			
NEIC	X	04 03 32 02.4–.85	35.6S–.10	179.2E–.20	89–11	4.6b,4.8			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
WEL	**X**	**08 09 52 26.8–1.3**	**35S–19**	**179W–16**	**174–46**	**3.7,3.7**			**¶626703318**
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**IX**	**27 11 15 36.7–2.4**	**37.44S–.06**	**179.55W–.08**	**3–13**	**4.1b**	**85**	**2-151**	
IDC	IX	27 11 15 41.0–2.2	36.69S	179.81E	0	4.2b,4.1			¶621140708
WEL	IX	27 11 15 43.0–.93	37S–9.0	180W–7.0	33	3.9,3.9			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**X**	**11 02 46 56.4–1.4**	**35.42S–.08**	**179.2W–.10**	**47**	**4.2b**	**69**	**3-149**	
IDC	X	11 02 46 51.5–2.9	35.21S	179.47W	0	4.4b,4.3			¶621236856
NEIC	X	11 02 46 52.6–2.2	35.3S–.10	179.4W–.20	10–2	4.1b,4.3			
WEL	X	11 02 46 55.6–1.2	35S–12	179W–12	103–61	4.1,4.1			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**X**	**17 07 32 51.8–2.0**	**37.4S–.10**	**179.8W–.10**	**30**	**3.5b**	**28**	**1-43**	
WEL	X	17 07 32 51.9–1.4	37S–11	180W–10	33	3.2,3.2			¶621242876
IDC	X	17 07 32 52.8–8.3	36.60S	179.41E	0	3.7b,3.7			
ISC	Event type se.								
WEL	Event type se. Error ellipse: s-maj=14.6km s-min=12.3km az=13.0. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
IDC	Error ellipse: s-maj=153.2km s-min=28.9km az=112.0.								
ISC	**X**	**12 21 42 57.1–1.7**	**35.4S–.10**	**179.2W–.20**	**35**	**4.2b,3.4s**	**29**	**3-149**	
IDC	X	12 21 42 53.3–2.2	35.36S	179.45W	0	4.3b,4.3			¶621236972
WEL	X	12 21 42 57.4–1.5	36S–14	179W–21	122–45	4.4,4.4			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**X**	**13 20 43 01.9–.60**	**35.48S–.07**	**179.33W–.08**	**41**	**4.6b,3.5s**	**108**	**3-160**	
IDC	X	13 20 42 56.6–.79	35.12S	179.52W	0	4.6b,4.6			¶621238994
NEIC	X	13 20 42 58.1–1.4	35.4S–.10	179.4W–.20	10–2	4.7b,4.6			
WEL	X	13 20 43 00.9–1.3	35S–7.0	179W–13	33	4.5,4.5			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**X**	**22 20 56 47.4–1.1**	**37.69S–.06**	**179.93W–.06**	**5–5**	**4.3b**	**150**	**1-154**	
IDC	X	22 20 56 48.6–1.0	37.14S	179.83E	0	4.2b,4.2			¶621309349
NEIC	X	22 20 56 50.6–1.0	37.4S–.10	179.80E–.06	10–1	4.0b,4.2			
WEL	X	22 20 56 51.1–1.4	38S–9.0	180E–11	12	4.2,4.2			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**X**	**18 01 37 55.0–4.2**	**37.4S–.20**	**179.6W–.20**	**42–33**		**32**	**2-151**	
IDC	X	18 01 37 46.1–4.0	37.32S	178.90W	0	3.9L,3.9b			¶621244008
WEL	X	18 01 37 57.3–1.2	37S–14	180W–8.0	33	3.3,3.3			
ISC	Event type se.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**X**	**20 23 27 34.6–2.3**	**37.78S–.06**	**179.86W–.08**	**10–13**	**4.0b**	**98**	**1-145**	
IDC	X	20 23 27 33.8–1.8	37.93S	179.88W	0	4.1b,4.1			¶621246618
NEIC	X	20 23 27 35.9–1.7	37.85S–.09	179.93W–.07	10–2	4.1b,4.1			
WEL	X	20 23 27 40.6–1.2	38S–8.0	180E–8.0	33	3.9,3.9			
ISC	Event type se.								
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
WEL	Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.								
ISC	**XI**	**10 13 02 43.9–1.4**	**35.49S–.08**	**179.2W–.10**	**47**	**3.9b**	**64**	**3-149**	

IDC XI 10 13 02 39.4–2.1 35.20S 179.44W 0 3.9b,3.9 **¶621440059**
WEL XI 10 13 02 41.8–1.3 36S–9.0 179W–14 100 3.8,3.8
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 22 19 10 10.2–3.4 37.91S–.06 180.00W–.08 16–20 4.0b 116 1-151
NEIC X 22 19 10 10.5–2.3 37.8S–.10 179.9E–.10 10–2 4.0b **¶621309340**
WEL X 22 19 10 11.3–1.1 38S–9.0 180E–7.0 12 3.8,3.8
IDC X 22 19 10 15.6–3.0 36.66S 178.89E 0 4.1b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=12.4km az=26.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=11.9km s-min=9.0km az=175.8. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=63.8km s-min=22.2km az=111.0.
ISC X 23 06 51 50.5–1.5 35.11S–.09 180.0W–.10 10 4.1b 55 3-149
IDC X 23 06 51 47.2–1.9 34.54S 179.94E 0 4.2b,4.1 **¶621309359**
WEL X 23 06 51 55.3–.98 35S–7.0 180E–8.0 12 4.1,4.1
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC X 28 00 07 47.1–3.5 37.68S–.08 179.8W–.20 35 80 1-6
NOU X 28 00 07 47.8 37.88S 179.89E 0 3.6 **¶621256463**
WEL X 28 00 07 50.2–1.1 38S–7.0 180E–7.0 33 3.8,3.8
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC XII 05 09 27 34.2–1.1 35.15S–.07 179.6W–.10 43 74 3-158
IDC XII 05 09 27 29.0–1.3 34.86S 179.82W 0 4.3L,4.3b **¶621631243**
WEL XII 05 09 27 36.8–1.2 35S–6.0 180W–11 100 4.4,4.4
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XII 01 17 28 16.4–1.2 37S–13 180W–8.0 12 3.4,3.4
¶635892769
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL XI 11 07 58 13.3–.88 37S–7.0 180W–6.0 12 3.6,3.5L
¶635639600
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC XII 25 03 19 20.6–3.3 35.30S 179.62W 0 3.4b,3.4
¶621700132
IDC Error ellipse: s-maj=79.0km s-min=36.9km az=123.0.

(691) Pacific-Antarctic Ridge.

GCMT VII 02 02 38 45.5–.30 54.20S–.02 133.50W–.02 26–1 4.9W
GCMT VII 02 02 38 48.0 54.75S 132.75W 10 4.8s **¶621401400**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202107020238A. Moment Tensor Solution. s31,c37; s85,c105;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.53±.17 $M_{\theta\theta}$1.60±.13; $M_{\phi\phi}$-2.13±.13; $M_{r\theta}$0.91±.25; $M_{\theta\phi}$2.03±.08; $M_{\theta r}$0.21±.22; Best double couple: NP1:ϕ_s19.00000°,δ73.00000°,λ166.00000°. NP2:ϕ_s113.00000°,δ77.00000°,λ18.00000°. Principal axes: T 2.8520,Plg22.0000°,Azm337.0000°; N 0.1790,Plg68.0000°,Azm149.0000° ; P -3.0300,Plg3.0000°,Azm246.0000° $M_0$2.94100×10^{16}
ISC VII 03 16 10 60.0–1.0 56.2S–.20 143.2W–.20 10 4.2b,4.1s 13 28-151
IDC VII 03 16 10 58.5–.90 56.20S 143.31W 0 4.0b,4.0 **¶620927819**
GCMT VII 03 16 11 04.0 56.50S 143.50W 10 5.0s,4.0
GCMT VII 03 16 11 05.9–.20 56.33S–.02 143.00W–.02 20–1 5.0W,4.0
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202107031611A. Moment Tensor Solution. s35,c44; s95,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.40±.20 $M_{\theta\theta}$3.85±.19; $M_{\phi\phi}$-2.44±.14; $M_{r\theta}$0.96±.29; $M_{\theta\phi}$2.85±.12; $M_{\theta r}$-0.09±.28; Best double couple: NP1:ϕ_s24.00000°,δ76.00000°,λ-177.00000°. NP2:ϕ_s293.00000°,δ87.00000°,λ-14.00000°. Principal axes: T 5.0660,Plg8.0000°,Azm339.0000°; N -1.4280,Plg76.0000°,Azm102.0000° ; P -3.6280,Plg11.0000°,Azm248.0000° $M_0$4.34700×10^{16}
ISC VII 08 23 04 20.8–.40 56.16S–.09 143.60W–.08 10 4.9b,4.7s 65 24-163
IDC VII 08 23 04 18.7–.68 56.04S 143.54W 0 4.6s,4.2b **¶620928205**
NEIC VII 08 23 04 21.2–1.4 56.2S–.10 143.6W–.10 10–1 5.0b,4.2b
GCMT VII 08 23 04 22.2–.30 56.23S–.02 143.59W–.03 12 5.1W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107082304A. Moment Tensor Solution. s16,c18; s78,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.64±.22 $M_{\theta\theta}$3.48±.19; $M_{\phi\phi}$-4.12±.20; $M_{r\theta}$2.22±.57; $M_{\theta\phi}$2.39±.18; $M_{\theta r}$-2.52±.61; Best double couple: NP1:ϕ_s31.00000°,δ55.00000° ,λ-179.00000°. NP2:ϕ_s301.00000°,δ90.00000°,λ-35.00000°. Principal axes: T 4.8110,Plg24.0000°,Azm352.0000°; N 1.3900,Plg55.0000°,Azm120.0000° ; P -6.1970,Plg25.0000°,Azm250.0000° $M_0$5.50400×10^{16}
ISC VII 09 01 21 28.4–.31 56.14S–.06 143.43W–.07 10 5.4s,5.0b 235 28-173
IDC VII 09 01 21 26.6–.48 56.14S 143.57W 0 5.0s,4.5b **¶620783819**
MOS VII 09 01 21 27.8–2.1 56.41S 143.35W 10 5.6b,4.5b
NEIC VII 09 01 21 28.7 56.13S 143.27W 10 5.6b,4.5b
NEIC VII 09 01 21 29.0–2.6 56.2S–.20 143.2W–.20 10–1 5.4b,5.4
GFZ VII 09 01 21 30.3–.22 56S–5.0 143W–4.0 10 4.9b,4.9
GFZ VII 09 01 21 30.3 56.26S 143.26W 18 5.6W,4.9
GCMT VII 09 01 21 31.6–.10 56.30S–.01 143.41W–.01 15–0 5.6W,4.9
NEIC VII 09 01 21 33 56.03S 143.45W 12 5.5,4.9
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=15.4km az=176.0.
MOS Error ellipse: s-maj=25.7km s-min=16.3km az=79.9.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=20.4km az=343.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29 $M_{\theta\theta}$2.62 $M_{\phi\phi}$-2.34 $M_{r\theta}$0.76 $M_{\theta\phi}$1.60 $M_{\theta r}$0.93 NP1: ϕ_s119.06063°,δ68.29911°,λ0.51707°. NP2:ϕ_s28.86943°,δ89.51958°,λ158.29830°. Principal axes: T 3.3708,Plg15.5090°,Azm341.8550°; N -0.3839,Plg68.2932°,Azm207.6625° ; P -2.9869,Plg14.8051°,Azm76.0610° $M_0$3.19619×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107090121A. Moment Tensor Solution. s135,c238; s150,c306;Duration: 1$\hat{s}$5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.03 $M_{\theta\theta}$2.48±.04; $M_{\phi\phi}$-2.37±.03; $M_{r\theta}$0.23±.10; $M_{\theta\phi}$1.90±.03; $M_{\theta r}$0.03±.09; Best double couple: NP1:ϕ_s26.00000° ,δ86.00000°,λ178.00000°. NP2:ϕ_s116.00000°,δ88.00000°,λ4.00000°. Principal axes: T 3.1520,Plg4.0000°,Azm341.0000°; N -0.1220,Plg86.0000°,Azm147.0000° ; P -3.0270,Plg1.0000°,Azm251.0000° $M_0$3.08900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3$\hat{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.28 $M_{\theta\theta}$1.90 $M_{\phi\phi}$-1.62 $M_{r\theta}$1.00 $M_{\theta\phi}$0.89 $M_{\theta r}$0.81 NP1:ϕ_s123.54000°,δ58.53000° ,λ1.21000°. NP2:ϕ_s32.91000°,δ88.97000°,λ148.52000°. Principal axes: T 2.5877,Plg22.0000°,Azm344.0000°; N -0.5463,Plg59.0000°,Azm211.0000° ; P -2.0413,Plg21.0000°,Azm83.0000° $M_0$2.36000×10^{17}
ISC VII 19 10 17 47.6–1.6 59.8S–.30 151.7W–.40 10 4.2b,3.5s 9 23-151
IDC VII 19 10 17 46.9–1.8 59.72S 152.06W 0 4.1b,4.1 **¶620928868**
ISC Event type se.
IDC Error ellipse: s-maj=59.5km s-min=38.1km az=54.0.
ISC VII 19 13 26 57.7–.76 59.7S–.10 151.8W–.10 10 4.1b,3.9s 25 23-152
IDC VII 19 13 26 55.8–1.0 59.67S 151.80W 0 4.0b,4.0 **¶620913613**
NEIC VII 19 13 26 58.5–1.2 59.8S–.10 151.8W–.20 10–1 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 19 13 32 06.9–5.5 59.57S 152.73W 0 3.6b,3.6
¶620928874
IDC Error ellipse: s-maj=987.9km s-min=131.1km az=2.0.
ISC VII 22 23 40 26.4–.42 56.40S–.08 143.64W–.08 10 4.8b,4.1s 51 27-165
IDC VII 22 23 40 23.9–1.0 56.23S 143.55W 0 4.0b,4.0 **¶620967860**
NEIC VII 22 23 40 26.8–1.4 56.5S–.10 143.6W–.20 10–1 4.9b,4.0
GCMT VII 22 23 40 29.2–.20 56.39S–.01 143.13W–.02 17–1 5.1W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107222340A. Moment Tensor Solution. s69,c91; s122,c183; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.70±.13 $M_{\theta\theta}$4.35±.14; $M_{\phi\phi}$-3.65±.11; $M_{r\theta}$0.91±.29; $M_{\theta\phi}$3.37±.11; $M_{\theta r}$-0.63±.28; Best double couple: NP1:ϕ_s25.00000°,δ78.00000° ,λ-176.00000°. NP2:ϕ_s294.00000°,δ86.00000°,λ-13.00000°. Principal axes: T 5.6440,Plg6.0000°,Azm340.0000°; N -0.5730,Plg77.0000°,Azm96.0000° ; P -5.0700,Plg12.0000°,Azm249.0000° $M_0$5.35700×10^{16}
IDC VII 26 11 54 31.7–3.7 65.15S 180.00W 0 4.4s,4.1L
¶620973841
IDC Error ellipse: s-maj=130.3km s-min=25.3km az=68.0.
ISC VIII 02 07 01 49.8–1.8 57.0S–.30 142.0W–.40 10 4.3s,4.2b 11 33-151
IDC VIII 02 07 01 49.4–1.7 57.05S 142.43W 0 4.3s,4.0b **¶620993216**
ISC Event type se.
IDC Error ellipse: s-maj=57.4km s-min=31.0km az=59.0.
ISC VII 26 07 45 18.4–.38 65.34S–.06 179.31W–.08 10 5.1b,5.1s 66 13-165
IDC VII 26 07 45 18.9–.73 65.19S 179.72W 0 4.8s,4.3L **¶620857663**
NEIC VII 26 07 45 19.1–1.2 65.4S–.10 179.5W–.30 10–1 5.3b,5.1
NEIC VII 26 07 45 19.4 65.41S 179.49W 10 5.3b,5.1
NEIC VII 26 07 45 20 65.31S 179.31E 12 5.4,5.1
GCMT VII 26 07 45 23.2–.10 65.30S 179.70W 12 5.4W,5.1
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=19.4km az=47.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=16.8km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13 $M_{\theta\theta}$1.54 $M_{\phi\phi}$-1.41 $M_{r\theta}$-0.36 $M_{\theta\phi}$-0.55 $M_{\theta r}$-0.07 NP1:ϕ_s325.70000°,δ78.40000° ,λ3.44000°. NP2:ϕ_s235.01000°,δ86.63000°,λ168.38000°. Principal axes: T 1.7079,Plg11.0000°,Azm190.0000°; N -0.1825,Plg78.0000°,Azm39.0000° ; P -1.5254,Plg6.0000°,Azm281.0000° $M_0$1.62000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107260745A. Moment Tensor Solution. s125,c206; s155,c300;Duration: 1$\hat{s}$3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.02 $M_{\theta\theta}$1.81±.02; $M_{\phi\phi}$-1.55±.02; $M_{r\theta}$-0.45±.04; $M_{\theta\phi}$-0.41±.02; $M_{\theta r}$-0.02±.04; Best double couple: NP1: ϕ_s322.00000°,δ80.00000°,λ6.00000°. NP2:ϕ_s231.00000°,δ84.00000°,λ170.00000°. Principal axes: T 1.9470,Plg11.0000°,Azm187.0000°; N -0.3400,Plg78.0000°,Azm22.0000° ; P -1.6020,Plg3.0000°,Azm277.0000° $M_0$1.77400×10^{17}
ISC VIII 06 00 59 37.1–.43 56.5S–.10 147.60W–.08 10 4.9b,4.0s 45 26-167
IDC VIII 06 00 59 34.5–1.7 56.57S 147.49W 0 4.0b,4.0 **¶620998844**
NEIC VIII 06 00 59 37.6–.96 56.6S–.10 147.6W–.20 10–1 5.0b,4.0
GCMT VIII 06 00 59 37.5–.20 57.72S–.02 147.65W–.02 13–1 4.9W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108060559A. Moment Tensor Solution. s24,c28; s100,c129; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.03±.08 $M_{\theta\theta}$2.05±.09; $M_{\phi\phi}$-2.08±.09; $M_{r\theta}$-0.40±.20; $M_{\theta\phi}$1.11±.07; $M_{\theta r}$-0.43±.19; Best double couple: NP1:ϕ_s301.00000°,δ76.00000° ,λ3.00000°. NP2:ϕ_s211.00000°,δ87.00000°,λ166.00000°. Principal axes: T 2.4320,Plg12.0000°,Azm165.0000°; N -0.0320,Plg76.0000°,Azm19.0000° ; P -2.4020,Plg8.0000°,Azm257.0000° $M_0$2.41700×10^{16}
ISC VIII 06 06 09 47.6–.45 57.43S–.10 147.87W–.09 10 4.6s,4.6b 80 26-167
IDC VIII 06 06 09 46.6–.69 57.29S 147.81W 0 4.5s,4.1b **¶620970720**
NEIC VIII 06 06 09 47.8–.84 57.5S–.20 147.9W–.20 10–1 4.9b,4.1b
GFZ VIII 06 06 09 47.8–.24 57S–6.0 148W–3.0 10 4.5b,4.5
GCMT VIII 06 06 09 50.8–.10 57.66S–.01 147.70W–.02 14–1 5.2W,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108060609A. Moment Tensor Solution. s84,c122; s138,c241;Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06±.01 $M_{\theta\theta}$0.69±.02; $M_{\phi\phi}$-0.63±.01; $M_{r\theta}$0.03±.03; $M_{\theta\phi}$0.39±.01; $M_{\theta r}$-0.06±.03; Best double couple: NP1:ϕ_s30.00000° ,δ85.00000°,λ-177.00000°. NP2:ϕ_s300.00000°,δ87.00000°,λ-5.00000°. Principal axes: T 0.7950,Plg1.0000°,Azm345.0000°; N -0.0500,Plg84.0000°,Azm83.0000° ; P -0.7450,Plg6.0000°,Azm255.0000° $M_0$0.77000×10^{17}
IDC IX 03 14 53 24.7–1.5 65.70S 175.47W 0 3.9s,3.7b
¶621081569
IDC Error ellipse: s-maj=48.9km s-min=27.8km az=52.0.
ISC VIII 06 02 49 43.9–1.7 57.0S–.30 148.2W–.40 10 4.0b,3.8s 7 27-152
IDC VIII 06 02 49 42.8–1.6 57.01S 148.33W 0 3.9b,3.9 **¶620998849**
ISC Event type se.
IDC Error ellipse: s-maj=60.3km s-min=32.3km az=55.0.
ISC IX 20 02 55 23.5–.65 55.7S–.10 144.5W–.10 10 4.6b,4.0s 36 29-160
IDC IX 20 02 55 22.1–.69 55.59S 144.53W 0 4.0b,4.0 **¶621094368**
NEIC IX 20 02 55 24.4–1.0 55.9S–.20 144.5W–.20 10–1 4.7b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IX 10 21 10 37.2–7.9 55.12S 127.54W 0 3.7b,3.7
¶621108543
IDC Error ellipse: s-maj=202.1km s-min=42.8km az=56.0.
IDC IX 06 20 26 41.1–4.3 57.48S 148.49W 0 3.7b,3.7
¶621094281
IDC Error ellipse: s-maj=727.1km s-min=66.9km az=172.0.
ISC IX 20 03 42 45.1–.43 56.25S–.09 144.07W–.10 10 5.0b,4.5s 114 24-173
IDC IX 20 03 42 40.6–.55 55.88S 145.09W 0 4.5s,4.3b **¶621083216**
GFZ IX 20 03 42 42.0–.28 56S–5.0 144W–5.0 10 5.2b,4.9b
GCMT IX 20 03 42 44.8–.10 55.99S–.01 144.32W–.01 12–1 5.1W,4.9b
NEIC IX 20 03 42 47.1–1.4 56.4S–.10 144.0W–.20 10–1 5.1b,4.9b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109200342A. Moment Tensor Solution. s83,c121; s128,c213;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.01±.11 $M_{\theta\theta}$5.11±.13; $M_{\phi\phi}$-5.12±.12; $M_{r\theta}$0.91±.30; $M_{\theta\phi}$3.36±.11; $M_{\theta r}$0.29±.28; Best double couple: NP1: ϕ_s119.00000°,δ84.00000°,λ6.00000°. NP2:ϕ_s28.00000°,δ84.00000°,λ174.00000°. Principal axes: T 6.2600,Plg9.0000°,Azm343.0000°; N -0.1300,Plg81.0000°,Azm165.0000° ; P -6.1250,Plg0.0000°,Azm73.0000° $M_0$6.19300×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 24 19 58 59.3–.61 59.8S–.10 151.4W–.10 10 4.5b,3.9s 38 23-151
IDC IX 24 19 58 58.4–.77 59.77S 151.54W 0 4.2b,4.2 **¶621126460**
NEIC IX 24 19 58 59.0–.41 59.8S–.20 151.2W–.20 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 22 10 12 46.5–.71 54.2S–.10 135.6W–.10 10 4.7b 40 31-155
IDC IX 22 10 12 45.2–.74 54.17S 135.73W 0 4.4b,4.4 **¶621118132**
NEIC IX 22 10 12 46.7–.85 54.3S–.20 135.6W–.20 10–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT XII 07 13 33 07.9–.40 63.68S–.02 167.09W–.05 12 4.7W
GCMT XII 07 13 33 04.0 63.75S 167.25W 10 4.8s **¶622267361**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202112071333A. Moment Tensor Solution. s11,c11; s72,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.24±.08 $M_{\theta\theta}$1.66±.06; $M_{\phi\phi}$-1.41±.07; $M_{r\theta}$0.26±.20; $M_{\theta\phi}$-0.09±.06; $M_{\theta r}$-0.13±.23; Best double couple: NP1:ϕ_s46.00000°,δ80.00000°,λ179.00000°. NP2:ϕ_s137.00000°,δ89.00000°,λ10.00000°.

Principal axes: T 1.6990,Plg8.0000°,Azm2.0000°; N -0.2650,Plg80.0000°,Azm145.0000° ; P -1.4250,Plg6.0000°,Azm271.0000° $M_0$1.56200×10^{16}

ISC X 13 17 34 23.6–.50 62.85S–.08 161.4W–.10 10 4.5b,4.2s 50 18-153
IDC X 13 17 34 22.3–.68 62.76S 161.50W 0 4.3b,4.2 **¶621147924**
NEIC X 13 17 34 23.8–1.5 62.9S–.20 161.3W–.30 10–1 4.6b,4.2
GCMT X 13 17 34 27.3–.30 62.81S–.01 161.26W–.03 12 4.9W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110131734A. Moment Tensor Solution. s23,c26; s111,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.80±.09 $M_{\theta\theta}$3.28±.07; $M_{\phi\phi}$-2.49±.07; $M_{r\theta}$1.23±.25; $M_{\theta\phi}$0.62±.07; $M_{\phi r}$0.04±.25; Best double couple: NP1:ϕ_s38.00000°,δ77.00000° ,λ172.00000°. NP2:ϕ_s130.00000°,δ82.00000°,λ13.00000°. Principal axes: T 3.6820,Plg15.0000°,Azm354.0000°; N -1.1270,Plg74.0000°,Azm161.0000° ; P -2.5620,Plg4.0000°,Azm263.0000° $M_0$3.12200×10^{16}
IDC X 25 09 20 18.1–1.5 55.02S 127.22W 0 3.7b,3.7
¶621366428
IDC Error ellipse: s-maj=619.5km s-min=29.8km az=162.0.
ISC X 26 08 06 21.6–.98 54.8S–.20 128.1W–.30 10 3.6b 7 33-120
IDC X 26 08 06 19.9–.96 54.80S 128.12W 0 3.6b,3.6 **¶621366464**
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=25.8km az=129.0.
GCMT X 29 14 07 33.1–.30 62.88S–.02 158.02W–.04 21–1 4.9W
GCMT X 29 14 07 28.0 63.25S 158.25W 10 4.9s **¶622022457**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110291407A. Moment Tensor Solution. s18,c19; s87,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.92±.15 $M_{\theta\theta}$3.29±.15; $M_{\phi\phi}$-2.36±.10; $M_{r\theta}$1.48±.24; $M_{\theta\phi}$0.68±.09; $M_{\phi r}$0.59±.20; Best double couple: NP1:ϕ_s130.00000°,δ64.00000°,λ0.00000°. NP2:ϕ_s220.00000°,δ90.00000°,λ-154.00000°. Principal axes: T 3.8680,Plg18.0000°,Azm352.0000°; N -1.2830,Plg64.0000°,Azm221.0000° ; P -2.5790,Plg18.0000°,Azm88.0000° $M_0$3.22300×10^{16}
GCMT X 01 14 47 53.3–.30 54.24S–.03 133.39W–.03 18–2 4.9W
GCMT X 01 14 47 44.0 54.50S 133.50W 10 4.9s **¶622022445**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110011447A. Moment Tensor Solution. s18,c20; s73,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.34±.14 $M_{\theta\theta}$1.14±.14; $M_{\phi\phi}$-0.80±.13; $M_{r\theta}$0.86±.30; $M_{\theta\phi}$1.99±.10; $M_{\phi r}$1.64±.39; Best double couple: NP1:ϕ_s105.00000°,δ50.00000°,λ-2.00000°. NP2:ϕ_s196.00000°,δ88.00000°,λ-140.00000°. Principal axes: T 3.1510,Plg26.0000°,Azm323.0000°; N -0.5910,Plg50.0000°,Azm198.0000° ; P -2.5600,Plg28.0000°,Azm68.0000° $M_0$2.85500×10^{16}
ISC X 03 22 48 51.2–.71 59.3S–.10 151.0W–.10 10 4.3b,3.9s 26 22-151
IDC X 03 22 48 50.0–.99 59.30S 150.91W 0 3.9b,3.9 **¶621186152**
NEIC X 03 22 48 51.1–.98 59.2S–.20 151.0W–.20 10–1 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 07 03 38 03.8–.57 56.2S–.10 142.34W–.09 10 4.6s,4.6b 39 29-161
IDC X 07 03 38 02.3–.68 56.18S 142.41W 0 4.4s,4.2b **¶621217187**
NEIC X 07 03 38 04.5–1.1 56.3S–.20 142.3W–.20 10–1 4.7b,4.2b
GCMT X 07 03 38 08.9–.10 56.63S–.01 142.35W–.01 17–0 5.4W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110070338A. Moment Tensor Solution. s120,c198; s140,c250;Duration: 1$\hat{s}$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11±.02 $M_{\theta\theta}$1.17±.02; $M_{\phi\phi}$-1.06±.02; $M_{r\theta}$0.25±.04; $M_{\theta\phi}$0.80±.02; $M_{\phi r}$0.13±.04; Best double couple: NP1: ϕ_s118.00000°,δ82.00000°,λ5.00000°. NP2:ϕ_s27.00000°,δ85.00000°,λ171.00000°. Principal axes: T 1.4720,Plg10.0000°,Azm342.0000°; N -0.1530,Plg80.0000°,Azm175.0000° ; P -1.3160,Plg2.0000°,Azm72.0000° $M_0$1.39400×10^{17}
ISC XII 05 08 59 03.4–1.2 57.4S–.30 148.5W–.20 10 4.0b,3.6s 7 29-152
IDC XII 05 08 59 02.0–1.0 57.39S 148.45W 0 3.8b,3.8 **¶621631242**
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=29.0km az=6.0.
ISC XII 15 23 25 53.0–.00 58.0S–.30 148.0W–.20 10 3.6b 9 32-152
IDC XII 15 23 25 51.6–.90 57.99S 147.93W 0 3.6b,3.6 **¶621654152**
ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=24.8km az=9.0.
ISC XII 15 23 26 03.3–.64 58.3S–.20 146.3W–.10 10 4.6b 24 32-165
NEIC XII 15 23 26 01.2–2.5 58.0S–.10 146.6W–.30 10–1 4.6b **¶621654155**
GCMT XII 15 23 26 04.5–.20 57.85S–.02 147.20W–.03 16–1 4.9W
IDC XII 15 23 26 07.4–.75 58.09S 147.83W 0 4.2b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=16.0km az=237.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112152326A. Moment Tensor Solution. s26,c32; s89,c116; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.24±.12 $M_{\theta\theta}$2.88±.14; $M_{\phi\phi}$-2.65±.12; $M_{r\theta}$-0.80±.35; $M_{\theta\phi}$1.45±.10; $M_{\phi r}$0.22±.31; Best double couple: NP1:ϕ_s211.00000°,δ76.00000° ,λ178.00000°. NP2:ϕ_s301.00000°,δ88.00000°,λ14.00000°. Principal axes: T 3.3830,Plg11.0000°,Azm167.0000°; N -0.3230,Plg76.0000°,Azm310.0000° ; P -3.0660,Plg8.0000°,Azm75.0000° $M_0$3.22400×10^{16}
IDC Error ellipse: s-maj=35.2km s-min=22.4km az=18.0.
ISC XII 16 00 16 30.2–1.0 57.6S–.20 148.1W–.20 10 4.1s,4.0b 9 26-152
IDC XII 16 00 16 28.7–.90 57.62S 148.08W 0 4.1s,4.0b **¶621655737**
GCMT XII 16 00 16 32.0 58.25S 147.75W 10 5.0s,4.0b
GCMT XII 16 00 16 33.1–.30 57.82S–.02 147.16W–.03 13–2 4.9W,4.0b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202112160016A. Moment Tensor Solution. s23,c28; s85,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.54±.12 $M_{\theta\theta}$2.77±.14; $M_{\phi\phi}$-2.23±.11; $M_{r\theta}$0.21±.28; $M_{\theta\phi}$1.48±.10; $M_{\phi r}$0.35±.27; Best double couple: NP1:ϕ_s120.00000°,δ81.00000°,λ-2.00000°. NP2:ϕ_s210.00000°,δ88.00000°,λ-171.00000°. Principal axes: T 3.1980,Plg4.0000°,Azm344.0000°; N -0.5260,Plg81.0000°,Azm224.0000° ; P -2.6720,Plg8.0000°,Azm75.0000° $M_0$2.93500×10^{16}
IDC XII 18 02 02 31.9–1.9 58.18S 147.44W 0 3.9b,3.9
¶621656964
IDC Error ellipse: s-maj=65.6km s-min=38.4km az=33.0.
ISC XII 20 13 29 34.4–.92 57.0S–.20 142.3W–.20 10 4.1b 11 33-155
IDC XII 20 13 29 33.5–.91 57.12S 142.54W 0 3.9b,3.9 **¶621685615**
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=27.8km az=22.0.
ISC XII 20 13 30 05.4–.48 57.1S–.10 142.28W–.09 10 4.5b 48 31-166
IDC XII 20 13 30 03.8–.81 56.99S 142.23W 0 4.3b,4.3 **¶621685618**
NEIC XII 20 13 30 05.9–2.1 57.1S–.10 142.2W–.20 10–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XII 23 22 22 44.8–1.2 54.14S 137.13W 0 4.0b,4.0
¶621686848
IDC Error ellipse: s-maj=51.9km s-min=29.1km az=171.0.
ISC XII 24 01 41 22.3–.32 54.09S–.09 136.65W–.07 10 5.0b,4.5s 230 31-164
IDC XII 24 01 41 20.7–.47 54.20S 136.81W 0 4.6b,4.5 **¶621652214**
NEIC XII 24 01 41 22.6–1.6 54.1S–.10 136.7W–.20 10–1 5.1b,4.5
GFZ XII 24 01 41 23.7–.30 54S–8.0 137W–5.0 10 5.0b,5.0
GFZ XII 24 01 41 23.9 54.23S 136.65W 20 5.1W,5.0
GCMT XII 24 01 41 26.4–.20 54.35S–.01 136.55W–.01 13–1 5.1W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.69 $M_{\theta\theta}$4.20 $M_{\phi\phi}$-4.90 $M_{r\theta}$-0.05 $M_{\theta\phi}$3.50 $M_{\phi r}$0.90 NP1: ϕ_s115.99831°,δ82.76713°,λ-2.98106°. NP2:ϕ_s206.37396°,δ87.04268°,λ-172.75744°. Principal axes: T 5.4040,Plg3.0120°,Azm340.9967°; N 0.7899,Plg82.1799°,Azm228.4695° ; P -6.1940,Plg7.2101°,Azm71.3781° $M_0$5.83921×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112240141A. Moment Tensor Solution. s55,c71; s117,c191; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.17±.13 $M_{\theta\theta}$3.78±.15; $M_{\phi\phi}$-3.95±.13; $M_{r\theta}$1.71±.35; $M_{\theta\phi}$4.40±.12; $M_{\phi r}$1.03±.29; Best double couple: NP1:ϕ_s112.00000°,δ76.00000° ,λ11.00000°. NP2:ϕ_s19.00000°,δ79.00000°,λ166.00000°. Principal axes: T 6.4030,Plg18.0000°,Azm335.0000°; N -0.4520,Plg72.0000°,Azm163.0000° ; P -5.9510,Plg2.0000°,Azm66.0000° $M_0$6.17700×10^{16}
ISC XII 25 14 36 01.1–.29 55.97S–.08 144.35W–.07 10 5.1b,4.8s 182 28-179
MOS XII 25 14 35 59.9–1.4 55.97S 144.28W 10 5.2b,4.8s **¶621653374**
IDC XII 25 14 36 00.3–.54 55.80S 144.31W 0 4.8s,4.7b
NEIC XII 25 14 36 00.7–2.1 55.9S–.10 144.2W–.20 10–1 5.4,5.3b
BJI XII 25 14 36 01.8 56.00S 144.40W 10 5.4s,5.2
GFZ XII 25 14 36 03.2–.18 56S–7.0 144W–3.0 10 5.7b,5.7
GCMT XII 25 14 36 03.7–.10 56.07S–.01 144.26W–.01 12 5.3W,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112251436A. Moment Tensor Solution. s82,c115; s128,c220;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.02 $M_{\theta\theta}$1.06±.02; $M_{\phi\phi}$-0.97±.01; $M_{r\theta}$-0.04±.05; $M_{\theta\phi}$0.32±.02; $M_{\phi r}$0.17±.04; Best double couple: NP1: ϕ_s217.00000°,δ83.00000°,λ-173.00000°. NP2:ϕ_s126.00000°,δ83.00000°,λ-7.00000°. Principal axes: T 1.1100,Plg1.0000°,Azm171.0000°; N -0.0500,Plg80.0000°,Azm264.0000° ; P -1.0580,Plg10.0000°,Azm81.0000° $M_0$1.08400×10^{17}
IDC XII 26 03 22 00.8–5.0 65.21S 180.00W 0 3.8,3.7b
¶621700191
IDC Error ellipse: s-maj=162.6km s-min=28.4km az=69.0.

(756) Southeast of Easter Island.

ISC VII 25 03 48 28.0–.52 35.8S–.10 103.6W–.10 10 4.5s,4.5b 53 10-168
IDC VII 25 03 48 26.7–.58 35.80S 103.87W 0 4.5s,4.2b **¶620973741**
NEIC VII 25 03 48 28.5–1.2 35.8S–.10 103.50W–.05 10–1 4.6b,4.2b
GCMT VII 25 03 48 28.8–.30 35.92S–.01 103.76W–.02 20–1 5.0W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107250348A. Moment Tensor Solution. s44,c49; s111,c169; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.46±.15 $M_{\theta\theta}$0.71±.12; $M_{\phi\phi}$1.17±.14; $M_{r\theta}$-1.55±.27; $M_{\theta\phi}$-4.11±.11; $M_{\phi r}$-0.52±.24; Best double couple: NP1:ϕ_s5.00000°,δ71.00000° ,λ-10.00000°. NP2:ϕ_s98.00000°,δ80.00000°,λ-160.00000°. Principal axes: T 4.5120,Plg7.0000°,Azm230.0000°; N 0.0550,Plg68.0000°,Azm123.0000° ; P -4.5670,Plg21.0000°,Azm323.0000° $M_0$4.53900×10^{16}
IDC IX 09 03 07 31.2–14 39.13S 93.47W 0 3.6b,3.6
¶621044247
IDC Error ellipse: s-maj=374.8km s-min=56.7km az=179.0.
IDC IX 08 15 29 31.5–5.4 42.28S 93.58W 0 4.0b,4.0
¶621105782
IDC Error ellipse: s-maj=152.6km s-min=38.5km az=8.0.
ISC VIII 08 19 50 54.8–.64 36.1S–.10 100.89W–.09 14 4.6b,3.9s 72 12-157
IDC VIII 08 19 50 53.1–.79 36.25S 100.85W 0 4.2b,4.2 **¶620976521**
NEIC VIII 08 19 50 55.6–1.4 36.1S–.10 100.7W–.20 10–1 4.6b,4.2
GCMT VIII 08 19 50 56.3–.30 36.21S–.01 100.74W–.02 12 4.9W,4.2
GFZ VIII 08 19 50 56.2–.49 36S–7.0 101W–7.0 10 4.5b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108081950A. Moment Tensor Solution. s39,c44; s95,c131; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35±.07 $M_{\theta\theta}$-0.18±.07; $M_{\phi\phi}$0.52±.07; $M_{r\theta}$0.67±.20; $M_{\theta\phi}$-2.49±.06; $M_{\phi r}$0.36±.20; Best double couple: NP1:ϕ_s183.00000°,δ75.00000° ,λ-11.00000°. NP2:ϕ_s276.00000°,δ80.00000°,λ-164.00000°. Principal axes: T 2.6990,Plg3.0000°,Azm49.0000°; N -0.1110,Plg71.0000°,Azm309.0000° ; P -2.5870,Plg18.0000°,Azm140.0000° $M_0$2.64300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 08 10 33 15.8–.59 36.29S–.09 98.16W–.09 16 4.5b,3.9s 76 13-130
IDC IX 08 10 33 13.6–.82 36.38S 98.16W 0 4.3,4.2b **¶621042378**
GFZ IX 08 10 33 15.2–.40 36S–5.0 98W–6.0 10 4.5b,4.5
NEIC IX 08 10 33 15.1–1.4 36.3S–.10 98.2W–.10 10–1 4.6b,4.5
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 13 21 44 58.0–.22 37.11S–.06 95.36W–.06 14 5.1b,4.7s 537 14-173
IDC XII 13 21 44 55.5–.40 37.26S 95.26W 0 4.9b,4.8 **¶621628529**
BJI XII 13 21 44 55.7 37.81S 94.75W 10 5.6b,5.4s
GFZ XII 13 21 44 57.2–.49 37S–4.0 96W–6.0 10 5.6b,5.5
MOS XII 13 21 44 57.0–1.2 37.12S 95.18W 10 5.3b,5.5
NEIC XII 13 21 44 58.5 37.16S 95.16W 10 5.3b,5.5
NEIC XII 13 21 44 58.4–2.0 37.14S–.09 95.19W–.07 10–1 5.1b,5.5
GCMT XII 13 21 45 00.6–.10 37.18S–.01 95.27W–.01 12 5.3W,5.5
NEIC XII 13 21 45 04.7 37.16S 95.16W 12 5.4,5.5
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=13.5km az=95.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=13.4km s-min=9.8km az=81.6.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=8.6km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112132144A. Moment Tensor Solution. s100,c160; s147,c265;Duration: 1$\hat{s}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.13±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$1.01±.01; $M_{r\theta}$0.34±.04; $M_{\theta\phi}$-0.44±.01; $M_{\phi r}$-0.31±.04; Best double couple: NP1: ϕ_s167.00000°,δ36.00000°,λ-75.00000°. NP2:ϕ_s329.00000°,δ56.00000°,λ-101.00000°. Principal axes: T 1.2630,Plg10.0000°,Azm66.0000°; N -0.0310,Plg9.0000°,Azm335.0000° ; P -1.2330,Plg77.0000°,Azm204.0000° $M_0$1.24800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2$\hat{s}$6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07 $M_{\theta\theta}$0.06 $M_{\phi\phi}$1.01 $M_{r\theta}$-0.96 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.35 NP1:ϕ_s1.90000°,δ33.49000° ,λ-46.50000°. NP2:ϕ_s133.21000°,δ66.41000°,λ-114.49000°. Principal axes: T 1.3232,Plg18.0000°,Azm241.0000°; N 0.3024,Plg22.0000°,Azm144.0000° ; P -1.6256,Plg61.0000°,Azm6.0000° $M_0$1.50000×10^{17}
ISC X 14 00 51 32.7–1.8 39.3S–.80 93W–2.0 10 4.2b,3.7s 6 13-99
IDC X 14 00 51 27.7–19 39.83S 92.48W 0 3.9b,3.9 **¶621240612**
ISC Event type se.
IDC Error ellipse: s-maj=690.2km s-min=337.7km az=114.0.
ISC XI 09 02 44 29.3–.63 36.4S–.10 99.30W–.10 10 4.6b 120 13-150
IDC XI 09 02 44 27.1–.89 36.50S 99.34W 0 4.5s,4.1 **¶621385115**
GFZ XI 09 02 44 30.1–.37 36S–6.0 99W–5.0 10 5.7b,5.2
NEIC XI 09 02 44 30.2–.84 36.38S–.06 99.3W–.20 10–1 4.6b,5.2
GCMT XI 09 02 44 32.4–.20 36.38S–.01 99.27W–.02 16–1 5.2W,5.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111090244A. Moment Tensor Solution. s33,c45; s118,c182; Duration: 1$\hat{s}$0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.58±.23 $M_{\theta\theta}$-0.06±.21; $M_{\phi\phi}$1.64±.19; $M_{r\theta}$0.73±.57; $M_{\theta\phi}$-7.53±.18; $M_{\phi r}$-1.87±.54; Best double couple: NP1:ϕ_s93.00000°,δ77.00000° ,λ178.00000°. NP2:ϕ_s183.00000°,δ88.00000°,λ13.00000°. Principal axes: T 8.7100,Plg10.0000°,Azm49.0000°; N -1.8270,Plg77.0000°,Azm191.0000° ; P -6.8870,Plg8.0000°,Azm317.0000° $M_0$7.79900×10^{16}
GCMT X 14 08 35 22.7–.40 35.43S–.02 104.99W–.03 21–2 4.8W
GCMT X 14 08 35 12.0 35.75S 104.75W 10 4.9s **¶622022449**

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110140835A. Moment Tensor Solution. s20,c21; s86,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.66±.16 $M_{\theta\theta}$-0.20±.11; $M_{\phi\phi}$0.86±.12; $M_{r\theta}$0.37±.19; $M_{\theta\phi}$-1.90±.08; $M_{\phi r}$-0.58±.18; Best double couple: NP1:ϕ_s97.00000°,δ79.00000°,λ174.00000°. NP2:ϕ_s188.00000°,δ84.00000°,λ12.00000°. Principal axes: T 2.4580,Plg12.0000°,Azm53.0000°; N -0.8130,Plg77.0000°,Azm216.0000° ; P -1.6460,Plg4.0000°,Azm322.0000° $M_0$2.05200×10^{16}

ISC	**XII**	**02 23 49 16.2–2.2**	**36.5S–.40**	**100.1W–.30**	**10**	**3.8b,3.4s**	**6**	**18-148**
IDC	XII	02 23 49 14.8–2.2	36.41S	100.10W	0	3.7b,3.7		**¶621629918**
ISC		Event type se.						
IDC		Error ellipse: s-maj=68.3km s-min=30.6km az=28.0.						
ISC	**XII**	**16 03 44 46.1–.86**	**36.2S–.10**	**99.9W–.10**	**10**	**4.4b,3.9s**	**31**	**12-102**
IDC	XII	16 03 44 44.9–1.2	36.28S	99.69W	0	3.9b,3.9		**¶621655751**
NEIC	XII	16 03 44 46.6–1.5	36.30S–.08	100.0W–.20	10–1	4.6b,3.9		
GCMT	XII	16 03 44 47.8–.40	36.24S–.02	99.95W–.02	16–1	4.9W,3.9		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112160344A. Moment Tensor Solution. s22,c29; s73,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.54±.12 $M_{\theta\theta}$-0.19±.10; $M_{\phi\phi}$0.73±.10; $M_{r\theta}$-0.06±.29; $M_{\theta\phi}$-2.34±.09; $M_{\phi r}$-0.37±.27; Best double couple: NP1:ϕ_s96.00000°,δ80.00000° ,λ-176.00000°. NP2:ϕ_s5.00000°,δ86.00000°,λ-10.00000°. Principal axes: T 2.6730,Plg4.0000°,Azm51.0000°; N -0.5080,Plg79.0000°,Azm164.0000° ; P -2.1660,Plg10.0000°,Azm320.0000° $M_0$2.41900×10^{16}						
ISC	**XII**	**16 04 53 18.1–.69**	**36.1S–.10**	**99.9W–.10**	**14**	**4.3b**	**38**	**17-169**
IDC	XII	16 04 53 15.8–.68	36.08S	99.97W	0	4.3,4.2b		**¶621655755**
NEIC	XII	16 04 53 17.9–1.5	36.1S–.10	99.9W–.20	10–1	4.4b,4.2b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	**XII**	**23 20 54 26.1–.74**	**41.1S–.10**	**91.4W–.10**	**10**	**4.5b**	**87**	**12-168**
IDC	XII	23 20 54 24.9–.84	41.07S	91.88W	0	4.1b,4.1		**¶621686845**
NEIC	XII	23 20 54 25.7–2.2	41.1S–.10	91.6W–.20	10–1	4.4b,4.1		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						

SEISMIC REGION 44.
Galapagos Area.

(694) Central East Pacific Rise.

ISC	**VII**	**01 18 38 53.1–.66**	**4.51S–.10**	**105.0W–.20**	**13**	**4.5b,3.5s**	**72**	**23-153**
IDC	VII	01 18 38 51.4–.87	4.52S	105.05W	0	4.0b,4.0		**¶620927686**
NEIC	VII	01 18 38 53.1–2.1	4.6S–.10	105.1W–.20	10–1	4.5b,4.0		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	**VII**	**05 15 15 52.7–.79**	**3.4S–.10**	**103.2W–.10**	**10**	**4.3b,3.6s**	**27**	**13-136**
IDC	VII	05 15 15 51.9–1.1	3.39S	103.32W	0	3.8b,3.8		**¶620927966**
NEIC	VII	05 15 15 52.6–1.5	3.4S–.10	103.3W–.10	10–1	4.4b,3.8		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	**VII**	**13 14 09 37.1–.95**	**3.9S–.10**	**103.7W–.20**	**10**	**4.3b,3.6s**	**30**	**24-154**
IDC	VII	13 14 09 35.6–1.8	3.89S	103.95W	0	3.8b,3.8		**¶620928537**
NEIC	VII	13 14 09 37.8–1.8	4.0S–.10	103.7W–.20	10–1	4.4b,3.8		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	**VII**	**18 12 05 23.0–.57**	**4.58S–.09**	**105.73W–.10**	**13**	**4.5b,3.8s**	**72**	**16-152**
IDC	VII	18 12 05 21.7–.89	4.63S	105.84W	0	3.9b,3.9		**¶620928812**
NEIC	VII	18 12 05 23.3–1.9	4.51S–.05	105.8W–.10	10–1	4.6b,3.9		
GCMT	VII	18 12 05 23.3–.50	4.61S–.02	105.36W–.03	15	4.7W,3.9		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107181205A. Moment Tensor Solution. s15,c16; s84,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.07 $M_{\theta\theta}$0.52±.06; $M_{\phi\phi}$-0.23±.06; $M_{r\theta}$0.42±.23; $M_{\theta\phi}$1.25±.04; $M_{\phi r}$-0.63±.19; Best double couple: NP1:ϕ_s274.00000°,δ68.00000° ,λ-21.00000°. NP2:ϕ_s12.00000°,δ70.00000°,λ-157.00000°. Principal axes: T 1.4470,Plg1.0000°,Azm143.0000°; N 0.1540,Plg60.0000°,Azm51.0000° ; P -1.6010,Plg30.0000°,Azm234.0000° $M_0$1.52400×10^{16}						
ISC	**VII**	**29 09 40 43.4–.45**	**13.35S–.08**	**112.14W–.10**	**10**	**5.2b**	**242**	**14-150**
IDC	VII	29 09 40 42.4–.61	13.28S	112.18W	0	5.6s,4.4b		**¶620859560**
GFZ	VII	29 09 40 44.8–.50	13S–5.0	112W–10	10	4.8b,4.8		
NEIC	VII	29 09 40 44.7–2.2	13.3S–.10	112.1W–.10	10–1	5.3b,4.8		
ISC		Event type se.						
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
IDC	**IX**	**17 15 08 20.1–4.0**	**3.08S**	**103.06W**	**0**	**3.7s,3.5b**		**¶621112969**
IDC		Error ellipse: s-maj=143.5km s-min=32.5km az=51.0.						
ISC	**XI**	**14 22 19 34.9–.53**	**9.50S–.09**	**110.0W–.10**	**10**	**4.5s,4.4b**	**87**	**18-151**
IDC	XI	14 22 19 33.6–.70	9.16S	110.79W	0	4.5s,3.9b		**¶621405031**
NEIC	XI	14 22 19 35.1–1.1	9.2S–.10	111.1W–.20	10–1	4.6b,3.9b		
GFZ	XI	14 22 19 36.4–.28	10S–3.0	110W–6.0	10	8.1,7.9b		
GCMT	XI	14 22 19 37.8–.10	9.10S–.01	109.76W–.01	12	5.2W,7.9b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111142219A. Moment Tensor Solution. s94,c145; s154,c270;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.30±.11 $M_{\theta\theta}$-1.69±.11; $M_{\phi\phi}$1.38±.12; $M_{r\theta}$-0.33±.27; $M_{\theta\phi}$8.12±.08; $M_{\phi r}$0.95±.29; Best double couple: NP1:ϕ_s85.00000° ,δ83.00000°,λ-1.00000°. NP2:ϕ_s175.00000°,δ89.00000°,λ-173.00000°. Principal axes: T 8.1440,Plg4.0000°,Azm309.0000°; N 0.3530,Plg83.0000°,Azm185.0000° ; P -8.5020,Plg6.0000°,Azm40.0000° $M_0$8.32300×10^{16}						
ISC	**XI**	**03 17 01 04.9–1.1**	**9.5S–.20**	**108.7W–.30**	**10**	**3.9s,3.5b**	**7**	**18-152**
IDC	XI	03 17 01 03.4–1.0	9.44S	108.73W	0	3.8s,3.6b		**¶621412251**
GCMT	XI	03 17 01 04.0	9.25S	108.25W	10	4.9s,3.6b		
GCMT	XI	03 17 01 10.1–.30	9.17S–.02	108.43W–.02	20–1	4.9W,3.6b		
ISC		Event type se.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111031701A. Moment Tensor Solution. s26,c31; s99,c127;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.06±.11 $M_{\theta\theta}$0.48±.10; $M_{\phi\phi}$-0.53±.10; $M_{r\theta}$0.12±.18; $M_{\theta\phi}$2.30±.07; $M_{\phi r}$-0.54±.18; Best double couple: NP1:ϕ_s276.00000°,δ78.00000°,λ-3.00000°. NP2:ϕ_s7.00000°,δ87.00000°,λ-168.00000°. Principal axes: T 2.3510,Plg6.0000°,Azm141.0000°; N 0.1320,Plg77.0000°,Azm21.0000° ; P -2.4840,Plg11.0000°,Azm232.0000° $M_0$2.41800×10^{16}						
ISC	**X**	**11 04 26 01.6–.58**	**4.64S–.10**	**106.2W–.10**	**17**	**4.5b,4.0s**	**80**	**23-152**
IDC	X	11 04 25 59.1–.84	4.52S	106.29W	0	4.0s,3.9b		**¶621236859**
NEIC	X	11 04 26 00.7–.89	4.7S–.10	106.2W–.20	10–1	4.5b,3.9b		
GCMT	X	11 04 26 04.3–.30	4.44S–.01	106.06W–.02	15–1	4.8W,3.9b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110110426A. Moment Tensor Solution. s32,c40; s105,c151; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.07 $M_{\theta\theta}$0.89±.07; $M_{\phi\phi}$-0.74±.07; $M_{r\theta}$0.95±.25; $M_{\theta\phi}$1.98±.06; $M_{\phi r}$0.20±.22; Best double couple: NP1:ϕ_s10.00000°,δ68.00000° ,λ174.00000°. NP2:ϕ_s102.00000°,δ85.00000°,λ22.00000°. Principal axes: T 2.5210,Plg19.0000°,Azm328.0000°; N -0.3780,Plg68.0000°,Azm114.0000° ; P -2.1420,Plg11.0000°,Azm234.0000° $M_0$2.33200×10^{16}						
ISC	**X**	**26 04 32 44.8–.51**	**3.82S–.08**	**102.99W–.10**	**10**	**4.7b,4.0s**	**93**	**22-154**
GFZ	X	26 04 32 44.3–.28	4S–3.0	103W–5.0	10	6.9b,6.7		**¶621239354**
NEIC	X	26 04 32 44.6–1.5	3.88S–.09	103.1W–.10	10–1	4.8b,6.7		
IDC	X	26 04 32 45.0–.86	3.56S	102.28W	0	3.9b,3.9		
GCMT	X	26 04 32 48.3–.60	3.66S–.02	102.93W–.03	12	4.8W,3.9		
ISC		Event type se.						
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110260432A. Moment Tensor Solution. s3,c3; s81,c101; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.20±.08 $M_{\theta\theta}$0.15±.09; $M_{\phi\phi}$-0.35±.10; $M_{r\theta}$1.52±.24; $M_{\theta\phi}$1.72±.06; $M_{\phi r}$-0.39±.25; Best double couple: NP1:ϕ_s5.00000°,δ48.00000° ,λ178.00000°. NP2:ϕ_s97.00000°,δ88.00000°,λ42.00000°. Principal axes: T 2.1570,Plg30.0000°,Azm330.0000°; N 0.3460,Plg48.0000°,Azm99.0000° ; P -2.5030,Plg27.0000°,Azm223.0000° $M_0$2.33000×10^{16}						
ISC	**XI**	**19 22 26 26.5–.68**	**6.3S–.10**	**107.6W–.10**	**10**	**4.3b,4.2s**	**105**	**21-151**
IDC	XI	19 22 26 24.7–1.1	6.06S	107.62W	0	4.2s,3.8b		**¶621590323**
NEIC	XI	19 22 26 27.7–1.2	6.3S–.10	107.6W–.10	10–1	4.4b,3.8b		
GCMT	XI	19 22 26 29.6–.20	6.17S–.01	107.36W–.01	13–1	5.0W,3.8b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111192226A. Moment Tensor Solution. s53,c69; s123,c206; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.05±.08 $M_{\theta\theta}$1.23±.08; $M_{\phi\phi}$-1.27±.09; $M_{r\theta}$1.34±.24; $M_{\theta\phi}$3.32±.08; $M_{\phi r}$-0.33±.19; Best double couple: NP1:ϕ_s11.00000°,δ69.00000° ,λ-179.00000°. NP2:ϕ_s280.00000°,δ89.00000°,λ-21.00000°. Principal axes: T 3.7610,Plg14.0000°,Azm327.0000°; N 0.0970,Plg69.0000°,Azm99.0000° ; P -3.8510,Plg15.0000°,Azm233.0000° $M_0$3.80600×10^{16}						
ISC	**XI**	**15 09 44 44.6–1.1**	**9.1S–.20**	**109.4W–.30**	**20**	**4.1s,3.7b**	**7**	**18-151**
IDC	XI	15 09 44 41.5–.99	9.11S	109.42W	0	4.1s,3.7b		**¶621475624**
ISC		Event type se.						
IDC		Error ellipse: s-maj=48.7km s-min=23.2km az=67.0.						
ISC	**XI**	**20 02 13 35.4–.82**	**6.2S–.10**	**107.2W–.20**	**10**	**4.5b,4.1s**	**71**	**21-152**
IDC	XI	20 02 13 33.9–1.0	6.28S	107.37W	0	4.0s,3.9b		**¶621427825**
NEIC	XI	20 02 13 36.9–1.6	6.3S–.10	107.1W–.10	10–2	4.6b,3.9b		
GCMT	XI	20 02 13 37.7–.30	6.15S–.01	107.38W–.01	13–1	4.8W,3.9b		
GFZ	XI	20 02 13 45.8–.32	5S–4.0	105W–6.0	10	4.5b,4.5		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111200213A. Moment Tensor Solution. s35,c44; s112,c159; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.33±.07 $M_{\theta\theta}$0.60±.06; $M_{\phi\phi}$-0.93±.08; $M_{r\theta}$0.20±.15; $M_{\theta\phi}$2.17±.06; $M_{\phi r}$0.15±.15; Best double couple: NP1:ϕ_s100.00000°,δ84.00000° ,λ5.00000°. NP2:ϕ_s9.00000°,δ85.00000°,λ174.00000°. Principal axes: T 2.1680,Plg8.0000° ,Azm325.0000°; N 0.2980,Plg82.0000°,Azm147.0000°; P -2.4670,Plg0.0000°,Azm55.0000° $M_0$2.31700×10^{16}						
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.						
ISC	**XII**	**07 23 22 21.5–.93**	**3.6S–.20**	**103.7W–.20**	**10**	**3.8b**	**13**	**23-137**
IDC	XII	07 23 22 20.0–.94	3.60S	103.72W	0	3.8b,3.8		**¶621632717**
ISC		Event type se.						
IDC		Error ellipse: s-maj=40.0km s-min=23.7km az=81.0.						
GCMT	**XI**	**20 05 17 09.1–.30**	**6.18S–.02**	**107.44W–.02**	**12–1**	**4.8W**		
GCMT	XI	20 05 17 04.0	6.25S	107.25W	10	4.9s		**¶622128792**
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111200517A. Moment Tensor Solution. s23,c26; s101,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.32±.07 $M_{\theta\theta}$0.69±.05; $M_{\phi\phi}$-1.01±.07; $M_{r\theta}$0.42±.15; $M_{\theta\phi}$1.37±.05; $M_{\phi r}$-0.27±.17; Best double couple: NP1:ϕ_s16.00000°,δ73.00000°,λ179.00000°. NP2:ϕ_s106.00000°,δ90.00000°,λ17.00000°. Principal axes: T 1.5020,Plg12.0000°,Azm333.0000°; N 0.3600,Plg73.0000°,Azm108.0000° ; P -1.8620,Plg11.0000°,Azm240.0000° $M_0$1.68200×10^{16}						
ISC	**XII**	**06 13 33 13.8–.59**	**9.19S–.09**	**109.8W–.10**	**10**	**4.8b,4.5s**	**129**	**18-151**
IDC	XII	06 13 33 12.8–.71	8.97S	109.48W	0	4.4s,4.2b		**¶621614103**
NEIC	XII	06 13 33 13.5–1.4	9.3S–.10	110.0W–.10	10–1	4.8b,4.2b		
GCMT	XII	06 13 33 17.9–.20	9.15S–.01	109.70W–.01	12	5.0W,4.2b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112061333A. Moment Tensor Solution. s63,c85; s121,c191; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.62±.10 $M_{\theta\theta}$4.13±.09; $M_{\phi\phi}$-2.52±.11; $M_{r\theta}$0.80±.26; $M_{\theta\phi}$3.15±.09; $M_{\phi r}$-0.22±.27; Best double couple: NP1:ϕ_s24.00000°,δ77.00000° ,λ-175.00000°. NP2:ϕ_s292.00000°,δ85.00000°,λ-13.00000°. Principal axes: T 5.4470,Plg5.0000°,Azm339.0000°; N -1.5690,Plg76.0000°,Azm91.0000° ; P -3.8890,Plg13.0000°,Azm247.0000° $M_0$4.66800×10^{16}						
ISC	**XI**	**20 01 30 44.9–1.1**	**5.7S–.20**	**106.9W–.30**	**10**	**3.8b,3.7s**	**8**	**26-152**
IDC	XI	20 01 30 42.0–1.1	5.91S	107.22W	0	3.9b,3.9		**¶621590328**
ISC		Event type se.						
IDC		Error ellipse: s-maj=50.5km s-min=25.4km az=71.0.						
ISC	**XI**	**20 13 10 50.0–.61**	**6.4S–.10**	**107.8W–.10**	**10**	**4.5b,4.0s**	**30**	**18-151**
NEIC	XI	20 13 10 50.5–2.0	6.4S–.10	107.9W–.10	10–1	4.6b,4.0s		**¶621590358**
IDC	XI	20 13 10 52.1–1.4	6.22S	108.01W	0	3.9s,3.7b		
GCMT	XI	20 13 10 55.2–.50	6.12S–.02	107.37W–.03	15–1	4.8W,3.7b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111201310A. Moment Tensor Solution. s23,c24; s79,c107; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.06±.08 $M_{\theta\theta}$0.97±.08; $M_{\phi\phi}$-1.03±.10; $M_{r\theta}$1.00±.24; $M_{\theta\phi}$1.69±.07; $M_{\phi r}$-0.63±.25; Best double couple: NP1:ϕ_s17.00000°,δ61.00000° ,λ-176.00000°. NP2:ϕ_s285.00000°,δ86.00000°,λ-29.00000°. Principal axes: T 2.1100,Plg17.0000°,Azm335.0000°; N 0.3280,Plg60.0000°,Azm98.0000° ; P -2.4390,Plg23.0000°,Azm237.0000° $M_0$2.27400×10^{16}						
IDC	**XI**	**20 13 12 34.1–2.0**	**6.67S**	**107.39W**	**0**	**3.6b,3.6**		**¶621590359**
IDC		Error ellipse: s-maj=324.0km s-min=34.2km az=85.0.						
ISC	**XII**	**06 22 04 42.3–.64**	**9.2S–.10**	**110.3W–.10**	**10**	**4.5b,4.1s**	**66**	**18-150**
IDC	XII	06 22 04 41.4–.79	9.05S	109.86W	0	4.0s,3.9b		**¶621632625**
NEIC	XII	06 22 04 42.8–1.8	9.2S–.10	110.4W–.20	10–1	4.6b,3.9b		
GCMT	XII	06 22 04 46.3–.40	9.13S–.02	109.59W–.02	15–1	4.9W,3.9b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112062204A. Moment Tensor Solution. s28,c29; s92,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.41±.10 $M_{\theta\theta}$0.90±.10; $M_{\phi\phi}$-0.49±.10; $M_{r\theta}$0.71±.31; $M_{\theta\phi}$2.36±.09; $M_{\phi r}$-0.07±.31; Best double couple: NP1:ϕ_s8.00000°,δ73.00000° ,λ-177.00000°. NP2:ϕ_s277.00000°,δ87.00000°,λ-17.00000°. Principal axes: T 2.7540,Plg10.0000°,Azm324.0000°; N -0.3740,Plg73.0000°,Azm87.0000° ; P -2.3800,Plg14.0000°,Azm232.0000° $M_0$2.56700×10^{16}						
ISC	**XII**	**08 23 25 15.0–.70**	**2.93S–.09**	**102.5W–.10**	**10**	**4.9b,4.7s**	**122**	**21-138**
GFZ	XII	08 23 24 55.2–.44	5S–6.0	103W–7.0	10	5.8b,5.3		**¶621622166**
IDC	XII	08 23 25 13.6–.89	2.97S	102.75W	0	4.7s,4.2b		
NEIC	XII	08 23 25 16.2–1.4	3.0S–.10	102.5W–.10	10–1	5.3,5.1b		
GCMT	XII	08 23 25 19.6–.10	2.80S–.01	102.48W–.01	15–0	5.3W,5.1b		
ISC		Event type se.						
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112082325A. Moment Tensor Solution. s81,c126; s143,c244;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13±.01 $M_{\theta\theta}$-0.70±.01; $M_{\phi\phi}$0.83±.02; $M_{r\theta}$-0.29±.04; $M_{\theta\phi}$-0.58±.01; $M_{\phi r}$0.05±.04; Best double couple: NP1:ϕ_s25.00000° ,δ73.00000°,λ-7.00000°. NP2:ϕ_s118.00000°,δ83.00000°,λ-163.00000°. Principal axes: T 1.0480,Plg7.0000°,Azm250.0000°; N -0.0650,Plg71.0000°,Azm139.0000° ; P -0.9820,Plg17.0000°,Azm343.0000° $M_0$1.01500×10^{17}						
ISC	**XII**	**10 19 22 17.3–1.9**	**4.2S–.40**	**102.9W–.40**	**10**	**3.8b,3.2s**	**6**	**23-154**
IDC	XII	10 19 22 15.9–1.9	4.20S	102.94W	0	3.7b,3.7		**¶621644147**

ISC Event type se.
IDC Error ellipse: s-maj=82.1km s-min=32.8km az=50.0.

(695) West of Galapagos Islands.

IDC	**VII**	**04 11 11 08.1–9.3**	**1.64N**	**98.41W**	**0**	**3.6s,3.5b**			
									¶620927870

IDC Error ellipse: s-maj=259.5km s-min=145.8km az=100.0.

ISC	**VII**	**04 12 32 13.0–.51**	**2.31N–.08**	**98.69W–.09**	**10**	**4.5b,4.2s**	**115**	**15-153**	
IDC	VII	04 12 32 10.6–.67	2.45N	98.61W	0	4.2s,4.1L			**¶620733577**
GFZ	VII	04 12 32 14.8–.34	2N–4.0	99W–5.0	10	4.5b,4.5			
NEIC	VII	04 12 32 14.7–.68	2.4N–.10	98.59W–.10	10–2	4.7b,4.5			
GCMT	VII	04 12 32 16.0–.30	2.45N–.01	98.58W–.01	12	4.9W,4.5			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107041232A. Moment Tensor Solution. s35,c45; s98,c153; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.07 $M_{\theta\theta}$2.65±.05; $M_{\phi\phi}$-2.05±.07; $M_{r\theta}$0.69±.17; $M_{\theta\phi}$0.79±.05; $M_{\phi r}$0.43±.18; Best double couple: NP1:ϕ_s126.00000°,δ73.00000°,λ0.00000°. NP2:ϕ_s36.00000°,δ90.00000°,λ163.00000°. Principal axes: T 2.9390,Plg12.0000°,Azm350.0000°; N -0.6990,Plg73.0000°,Azm216.0000°; P -2.2460,Plg12.0000°,Azm82.0000° $M_0$2.59300×10^{16}

IDC	**VII**	**04 12 39 56.5–24**	**1.92N**	**97.67W**	**0**	**3.3b,3.3**			
									¶620927878

IDC Error ellipse: s-maj=1300.0km s-min=156.8km az=96.0.

ISC	**VII**	**04 12 56 53.4–.96**	**2.2N–.20**	**98.9W–.30**	**10**	**3.6s,3.5b**	**8**	**16-125**	
IDC	VII	04 12 56 51.8–.99	2.18N	98.93W	0	3.7b,3.6			**¶620927879**

ISC Event type se.
IDC Error ellipse: s-maj=57.8km s-min=21.7km az=67.0.

ISC	**VII**	**14 17 46 15.0–.61**	**2.29N–.09**	**97.8W–.10**	**10**	**4.5b,3.7s**	**128**	**15-154**	
IDC	VII	14 17 46 13.1–.72	2.16N	97.96W	0	4.2b,4.2			**¶620829513**
GFZ	VII	14 17 46 16.4–.33	2N–5.0	98W–7.0	10	4.4b,4.4			
NEIC	VII	14 17 46 16.1–1.6	2.3N–.10	97.6W–.20	10–1	4.5b,4.4			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(696) Galapagos Islands region.

IDC	**IX**	**15 14 47 11.1–7.7**	**2.65N**	**95.51W**	**0**	**3.5b,3.5**			
									¶621111990

IDC Error ellipse: s-maj=278.0km s-min=141.9km az=81.0.

ISC	**VIII**	**11 19 34 36.3–.58**	**1.50N–.10**	**90.8W–.10**	**10**	**4.5b**	**72**	**2-158**	
IDC	VIII	11 19 34 34.2–.81	1.38N	91.01W	0	4.1b,4.1			**¶621009353**
NEIC	VIII	11 19 34 37.3–1.7	1.53N–.10	90.8W–.20	10–1	4.6b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**22 20 36 58.1–10**	**2.02N**	**93.57W**	**0**	**3.6b,3.6**			
									¶621043123

IDC Error ellipse: s-maj=994.3km s-min=151.9km az=78.0.

ISC	**X**	**09 04 05 40.0–1.4**	**2.4N–.20**	**94.6W–.20**	**10**	**4.0b,3.7s**	**22**	**5-97**	
IDC	X	09 04 05 36.6–8.3	2.13N	94.55W	0	3.8b,3.8			**¶621235302**
NEIC	X	09 04 05 40.9–1.3	2.35N–.07	94.6W–.20	10–1	4.1b,3.8			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(757) Galapagos Triple Junction region.

ISC	**VII**	**04 10 38 23.9–2.1**	**2.1N–.30**	**102.1W–.50**	**10**	**3.7s,3.6b**	**6**	**23-151**	
IDC	VII	04 10 38 22.8–1.9	2.13N	102.06W	0	3.7b,3.7			**¶620927868**

ISC Event type se.
IDC Error ellipse: s-maj=79.4km s-min=28.5km az=58.0.

IDC	**VII**	**05 14 29 28.3–33**	**3.91N**	**102.36W**	**0**	**3.4b,3.4**			
									¶620927963

IDC Error ellipse: s-maj=1083.0km s-min=132.3km az=115.0.

ISC	**VIII**	**08 00 49 30.8–.37**	**2.18N–.06**	**101.50W–.08**	**10**	**4.8b,4.0s**	**343**	**16-161**	
IDC	VIII	08 00 49 28.8–.51	2.15N	101.69W	0	4.4b,4.4			**¶620976267**
GFZ	VIII	08 00 49 32.0–.39	2N–5.0	102W–7.0	10	4.6b,4.6			
NEIC	VIII	08 00 49 32.7	2.25N	101.40W	10	4.6b,4.6			
GFZ	VIII	08 00 49 32.0	2.14N	101.56W	15	5.0W,4.6			
NEIC	VIII	08 00 49 32.2–.91	2.22N–.09	101.4W–.10	10–1	4.9b,4.6			
NEIC	VIII	08 00 49 33.2	1.65N	100.90W	20	5.1,4.6			
GCMT	VIII	08 00 49 34.2–.20	2.29N–.01	101.42W–.02	12	4.9W,4.6			

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.34 $M_{\theta\theta}$2.53 $M_{\phi\phi}$0.81 $M_{r\theta}$1.71 $M_{\theta\phi}$0.23 $M_{\phi r}$0.25 NP1:ϕ_s82.84697°,δ29.79369°,λ-89.44496°. NP2:ϕ_s262.20740°,δ60.20785°,λ-90.31779°. Principal axes: T 3.0321,Plg15.2073°,Azm352.4403°; N 0.7811,Plg0.2758°,Azm262.3653°; P -3.8132,Plg74.7901°,Azm171.3509° $M_0$3.48881×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.38 $M_{\theta\theta}$4.06 $M_{\phi\phi}$-1.68 $M_{r\theta}$2.91 $M_{\theta\phi}$-0.51 $M_{\phi r}$2.53 NP1:ϕ_s127.88000°,δ35.77000°,λ-28.36000°. NP2:ϕ_s241.52000°,δ73.88000°,λ-122.38000°. Principal axes: T 5.2082,Plg22.0000°,Azm356.0000°; N 0.0926,Plg31.0000°,Azm252.0000°; P -5.3008,Plg50.0000°,Azm115.0000° $M_0$5.26000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108080049A. Moment Tensor Solution. s54,c77; s122,c185; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.14±.06 $M_{\theta\theta}$2.98±.05; $M_{\phi\phi}$0.16±.06; $M_{r\theta}$0.69±.19; $M_{\theta\phi}$0.25±.05; $M_{\phi r}$0.45±.23; Best double couple: NP1:ϕ_s91.00000°,δ39.00000°,λ-80.00000°. NP2:ϕ_s258.00000°,δ52.00000°,λ-98.00000°. Principal axes: T 3.0880,Plg7.0000°,Azm354.0000°; N 0.1840,Plg6.0000°,Azm263.0000°; P -3.2680,Plg81.0000°,Azm131.0000° $M_0$3.17800×10^{16}

ISC	**VIII**	**04 08 53 28.8–2.5**	**2.4N–.40**	**100.1W–.50**	**10**	**3.7b,3.5s**	**7**	**24-92**	
IDC	VIII	04 08 53 26.8–2.6	2.27N	100.17W	0	3.9b,3.9			**¶620997296**

ISC Event type se.
IDC Error ellipse: s-maj=90.8km s-min=27.6km az=53.0.

IDC	**X**	**24 20 29 47.3–30**	**2.44N**	**101.93W**	**0**	**3.5b,3.5**			
									¶621366412

IDC Error ellipse: s-maj=1024.0km s-min=142.5km az=113.0.

IDC	**IX**	**26 18 11 16.0–4.5**	**2.99N**	**104.80W**	**0**	**3.7b,3.7**			
									¶621131526

IDC Error ellipse: s-maj=267.0km s-min=44.6km az=101.0.

SEISMIC REGION 45.
Macquarie Loop.

(701) West of Macquarie Island.

ISC	**VII**	**08 10 34 58.5–.30**	**54.88S–.05**	**144.04E–.06**	**10**	**5.3s,5.0b**	**297**	**9-161**	
IDC	VII	08 10 34 56.5–.60	54.81S	144.03E	0	5.0s,4.7b			**¶620773512**
NEIC	VII	08 10 34 58.4–2.2	54.76S–.09	144.1E–.20	10–1	5.4,5.2b			
NEIC	VII	08 10 34 58.9	54.73S	144.04E	10	5.4,5.2b			
GFZ	VII	08 10 34 59.8–.19	55S–3.0	144E–6.0	10	5.0,4.9b			
GCMT	VII	08 10 35 03.2–.10	54.70S	144.05E	12	5.6W,4.9b			
NEIC	VII	08 10 35 05.4	54.73S	144.04E	12	5.5,4.9b			

ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=12.7km az=83.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=14.2km az=248.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GFZ Error ellipse: s-maj=13.2km s-min=5.8km az=94.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107081034A. Moment Tensor Solution. s133,c242; s164,c323;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32±.03 $M_{\theta\theta}$0.79±.03; $M_{\phi\phi}$-0.47±.03; $M_{r\theta}$-0.47±.07; $M_{\theta\phi}$-2.92±.02; $M_{\phi r}$-0.18±.07; Best double couple: NP1:ϕ_s354.00000°,δ80.00000°,λ-4.00000°. NP2:ϕ_s84.00000°,δ86.00000°,λ-170.00000°. Principal axes: T 3.1650,Plg4.0000°,Azm219.0000°; N -0.2620,Plg79.0000°,Azm106.0000°; P -2.9030,Plg10.0000°,Azm309.0000° $M_0$3.03400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.65 $M_{\theta\theta}$0.67 $M_{\phi\phi}$-0.02 $M_{r\theta}$0.24 $M_{\theta\phi}$-2.15 $M_{\phi r}$0.17 NP1:ϕ_s174.77000°,δ80.16000°,λ-8.20000°. NP2:ϕ_s266.18000°,δ81.93000°,λ-170.06000°. Principal axes: T 2.5055,Plg1.0000°,Azm40.0000°; N -0.5894,Plg77.0000°,Azm305.0000°; P -1.9161,Plg13.0000°,Azm131.0000° $M_0$2.27000×10^{17}

ISC	**VII**	**26 19 00 54.6–1.0**	**53.1S–.10**	**139.9E–.70**	**10**	**3.8s,3.7b**	**6**	**21-147**	
IDC	VII	26 19 00 53.3–1.1	53.10S	139.84E	0	3.8b,3.8			**¶620973869**

ISC Event type se.
IDC Error ellipse: s-maj=97.3km s-min=21.0km az=84.0.

ISC	**VIII**	**30 15 30 25.9–.57**	**57.36S–.07**	**149.0E–.10**	**10**	**4.4b,4.1s**	**48**	**6-153**	
IDC	VIII	30 15 30 24.3–2.2	57.28S	149.30E	0	4.2b,4.2			**¶621076530**
NEIC	VIII	30 15 30 25.7–.86	57.2S–.10	149.1E–.30	10–2	4.5b,4.2			
GCMT	VIII	30 15 30 30.2–.20	57.44S–.01	147.70E–.03	12–1	4.9W,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108301530A. Moment Tensor Solution. s32,c38; s106,c157; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.45±.10 $M_{\theta\theta}$1.66±.08; $M_{\phi\phi}$-1.21±.09; $M_{r\theta}$-1.10±.27; $M_{\theta\phi}$-2.44±.08; $M_{\phi r}$-0.64±.26; Best double couple: NP1:ϕ_s343.00000°,δ66.00000°,λ-9.00000°. NP2:ϕ_s77.00000°,δ81.00000°,λ-156.00000°. Principal axes: T 3.1750,Plg11.0000°,Azm208.0000°; N -0.1010,Plg64.0000°,Azm95.0000°; P -3.0760,Plg23.0000°,Azm302.0000° $M_0$3.12600×10^{16}

ISC	**VII**	**26 22 26 14.0–.44**	**53.09S–.08**	**140.5E–.20**	**10**	**4.6b**	**83**	**20-152**	
IDC	VII	26 22 26 12.2–.69	53.11S	140.69E	0	4.2b,4.2			**¶620973883**
NEIC	VII	26 22 26 14.6–2.0	53.1S–.10	140.3E–.30	10–1	4.7b,4.2			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**26 22 28 29.2–.42**	**53.09S–.08**	**140.0E–.10**	**10**	**4.4b**	**81**	**20-152**	
IDC	VII	26 22 28 27.2–.64	52.93S	139.57E	0	4.1b,4.1			**¶620973884**
NEIC	VII	26 22 28 29.6–2.5	53.13S–.08	140.0E–.20	10–1	4.6b,4.1			
GCMT	VII	26 22 28 30.4–.30	53.04S–.02	140.39E–.06	13–1	4.8W,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107262228A. Moment Tensor Solution. s21,c25; s79,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.13±.18 $M_{\theta\theta}$2.57±.13; $M_{\phi\phi}$-0.43±.13; $M_{r\theta}$-0.15±.26; $M_{\theta\phi}$-0.10±.09; $M_{\phi r}$-0.41±.41; Best double couple: NP1:ϕ_s285.00000°,δ45.00000°,λ-71.00000°. NP2:ϕ_s79.00000°,δ48.00000°,λ-108.00000°. Principal axes: T 2.5770,Plg2.0000°,Azm182.0000°; N -0.3460,Plg13.0000°,Azm91.0000°; P -2.2290,Plg77.0000°,Azm279.0000° $M_0$2.40300×10^{16}

ISC	**VII**	**26 22 33 22.5–.33**	**53.09S–.06**	**140.47E–.09**	**10**	**4.7b,4.1s**	**144**	**11-152**	
IDC	VII	26 22 33 20.3–.57	52.93S	140.70E	0	4.2b,4.2			**¶620847111**
NEIC	VII	26 22 33 22.8–2.1	53.13S–.09	140.4E–.20	10–1	4.7b,4.2			
GFZ	VII	26 22 33 23.6–.22	53S–3.0	140E–7.0	10	4.7b,4.7			
GCMT	VII	26 22 33 23.2–.20	53.02S–.02	140.39E–.05	14–1	4.9W,4.7			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107262233A. Moment Tensor Solution. s25,c27; s105,c152; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.20±.22 $M_{\theta\theta}$2.89±.14; $M_{\phi\phi}$0.31±.12; $M_{r\theta}$0.55±.28; $M_{\theta\phi}$-0.52±.08; $M_{\phi r}$0.59±.36; Best double couple: NP1:ϕ_s111.00000°,δ42.00000°,λ-74.00000°. NP2:ϕ_s270.00000°,δ50.00000°,λ-104.00000°. Principal axes: T 3.0200,Plg4.0000°,Azm10.0000°; N 0.3390,Plg11.0000°,Azm279.0000°; P -3.3590,Plg79.0000°,Azm120.0000° $M_0$3.19000×10^{16}

ISC	**VIII**	**18 18 01 21.5–.74**	**56.84S–.10**	**147.6E–.30**	**14**	**4.3b,3.4s**	**23**	**21-152**	
IDC	VIII	18 18 01 19.1–1.8	56.80S	147.73E	0	4.1b,4.1			**¶621030395**
NEIC	VIII	18 18 01 21.4–1.1	56.9S–.10	147.6E–.40	10–2	4.5b,4.1			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**VIII**	**14 17 56 10.6–34**	**52.40S**	**140.10E**	**0**	**3.5,3.4b**			
									¶621013537

IDC Error ellipse: s-maj=624.3km s-min=165.3km az=143.0.

IDC	**VIII**	**17 21 26 28.1–2.0**	**54.70S**	**142.96E**	**0**	**3.9b,3.9**			
									¶621030309

IDC Error ellipse: s-maj=205.5km s-min=23.3km az=84.0.

ISC	**IX**	**26 07 52 37.1–5.0**	**58.4S–.70**	**150E–3.0**	**10**	**3.5b,3.5s**	**7**	**20-153**	
IDC	IX	26 07 52 35.8–4.0	58.30S	149.79E	0	3.6b,3.5			**¶621131500**

ISC Event type se.
IDC Error ellipse: s-maj=302.3km s-min=23.3km az=77.0.

IDC	**IX**	**08 18 06 14.4–1.4**	**53.83S**	**140.46E**	**0**	**3.7b,3.7**			
									¶621105788

IDC Error ellipse: s-maj=187.2km s-min=21.6km az=84.0.

IDC	**IX**	**22 13 19 41.6–5.0**	**60.71S**	**153.85E**	**0**	**3.9L,3.7**			
									¶621118150

IDC Error ellipse: s-maj=335.2km s-min=36.5km az=75.0.

IDC	**X**	**08 02 47 14.2–3.0**	**58.04S**	**148.05E**	**0**	**4.0b,4.0**			
									¶621224621

IDC Error ellipse: s-maj=287.1km s-min=21.6km az=78.0.

IDC	**X**	**17 12 31 48.3–1.4**	**54.03S**	**141.24E**	**0**	**3.5,3.4b**			
									¶621242886

IDC Error ellipse: s-maj=124.8km s-min=24.3km az=82.0.

ISC	**X**	**17 05 08 04.5–.64**	**53.73S–.09**	**141.5E–.10**	**10**	**3.9b,3.5s**	**24**	**10-153**	
NEIC	X	17 05 08 04.1–.92	53.8S–.10	141.5E–.20	10–2	4.0b,3.5s			**¶621242870**
IDC	X	17 05 08 04.5–1.3	53.66S	142.11E	0	3.8b,3.8			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=16.8km az=247.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=121.2km s-min=18.6km az=82.0.

IDC	**XI**	**24 06 04 52.1–2.7**	**57.67S**	**148.88E**	**0**	**3.7b,3.7**			
									¶621613965

IDC Error ellipse: s-maj=272.9km s-min=29.0km az=77.0.

ISC	**X**	**17 17 16 12.1–1.1**	**54.1S–.10**	**139.7E–.60**	**10**	**3.6b,3.6s**	**7**	**22-147**	
IDC	X	17 17 16 10.7–1.2	54.07S	139.91E	0	3.8s,3.7b			**¶621242894**

ISC Event type se.
IDC Error ellipse: s-maj=99.7km s-min=18.8km az=83.0.

IDC	**X**	**24 03 35 53.3–1.7**	**52.75S**	**142.34E**	**0**	**3.3b,3.3**			
									¶621366372

IDC Error ellipse: s-maj=284.6km s-min=25.4km az=78.0.

IDC	**XII**	**07 13 17 52.7–3.4**	**59.06S**	**148.83E**	**0**	**3.7b,3.6**			
									¶621632671

IDC Error ellipse: s-maj=306.3km s-min=22.7km az=78.0.

IDC	**XII**	**03 05 06 20.4–2.4**	**56.37S**	**148.23E**	**0**	**3.8b,3.8**			
									¶621630559

IDC Error ellipse: s-maj=235.0km s-min=27.7km az=77.0.

ISC	**XI**	**30 19 28 07.0–.39**	**56.58S–.06**	**147.64E–.08**	**28**	**4.6b,4.2s**	**150**	**7-152**	
IDC	XI	30 19 28 04.0–.79	56.48S	147.58E	0	4.3s,4.2b			**¶621532886**
NEIC	XI	30 19 28 04.0–1.5	56.60S–.09	147.6E–.20	10–1	4.7b,4.2b			
GCMT	XI	30 19 28 07.8–.20	56.59S–.01	147.29E–.04	12	4.9W,4.2b			

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111301928A. Moment Tensor Solution. s28,c35; s98,c144; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.24±.11 $M_{\theta\theta}$3.22±.08; $M_{\phi\phi}$-0.98±.11; $M_{r\theta}$-0.60±.27; $M_{\theta\phi}$-1.70±.08; $M_{\phi r}$0.46±.37; Best double couple: NP1:ϕ_s272.00000°,δ41.00000°,λ-115.00000°. NP2:ϕ_s124.00000°,δ54.00000°,λ-70.00000°. Principal axes: T 3.9060,Plg7.0000°,Azm200.0000°; N -1.5170,Plg16.0000°,Azm292.0000°

; P -2.3900,Plg73.0000°,Azm88.0000° $M_0$3.14800×10^{16}
ISC XI 30 19 31 28.9–.59 56.61S–.09 146.9E–.20 11 4.3b,4.2s 45 7-152
NEIC XI 30 19 31 28.5–2.1 56.64S–.08 147.0E–.20 10–1 4.4b,4.2s ¶621627084
IDC XI 30 19 31 28.9–1.5 56.65S 146.15E 0 4.3s,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=5.3km az=231.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=124.5km s-min=20.2km az=82.0.
ISC XII 03 10 09 45.2–2.2 56.4S–.30 148E–1.0 10 4.1s,4.0b 6 19-85
IDC XII 03 10 09 44.0–1.9 56.48S 148.02E 0 4.2s,4.0b ¶621630586
ISC Event type se.
IDC Error ellipse: s-maj=153.3km s-min=19.5km az=78.0.
ISC XII 12 08 58 08.9–.55 60.79S–.04 154.13E–.06 12–3 6.2s,5.5b 724 7-167
IDC XII 12 08 58 06.3–.53 60.82S 153.35E 0 5.8s,4.8b ¶621627644
NEIC XII 12 08 58 07.3 60.80S 154.14E 10 5.8s,4.8b
NEIC XII 12 08 58 07.3 60.80S 154.14E 10 5.8s,4.8b
PTWC XII 12 08 58 07 61.00S 153.80E 10 6.5,4.8b
ISC-P XII 12 08 58 07 60.80S 154.14E 27–0 6.5,4.8b
NEIC XII 12 08 58 07.4–1.2 60.80S–.08 154.1E–.30 10–1 6.4,6.2
BJI XII 12 08 58 08.0 60.55S 153.90E 10 6.4s,6.2b
MOS XII 12 08 58 08.3–1.7 60.45S 154.40E 10 6.0s,5.4b
NEIC XII 12 08 58 08.3 60.72S 154.03E 10 6.0s,5.4b
GFZ XII 12 08 58 08.7 60.82S 153.88E 10 6.5W,5.4b
IPGP XII 12 08 58 08.0 60.69S 154.11E 22 6.5W,5.4b
GFZ XII 12 08 58 09.1–.17 61S–3.0 154E–4.0 10 6.1,6.0b
NEIC XII 12 08 58 20.4 61.00S 153.93E 12 6.6,6.0b
GCMT XII 12 08 58 22.7–.00 60.40S 153.51E 16–0 6.5W,6.0b
NEIC XII 12 08 58 38 60.66S 152.92E 31 6.5,6.0b
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=15.5km az=84.0.
NEIC Event type se.
NEIC Event type se.
ISC-P Moment Tension Solution. s27 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17±.08 $M_{\theta\theta}$0.64±.25; $M_{\phi\phi}$-0.18±.15; $M_{r\theta}$0.21±.17; $M_{\theta\phi}$0.22±.13; $M_{\phi r}$-0.41±.18; NP1:ϕ_s254.00000°,δ70.10000° ,λ212.10000°. NP2:ϕ_s152.00000°,δ60.00000°,λ-23.10000°. $M_0$8.04000×10^{18}
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=13.2km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tension Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.06 $M_{\theta\theta}$3.71 $M_{\phi\phi}$-3.64 $M_{r\theta}$-0.35 $M_{\theta\phi}$-2.45 $M_{\phi r}$1.21 NP1:ϕ_s151.45000°,δ86.86000°,λ-15.52000°. NP2:ϕ_s242.33000° ,δ74.51000°,λ-176.74000°. Principal axes: T 4.5528,Plg9.0000°,Azm198.0000° ; N 0.0824,Plg74.0000°,Azm320.0000°; P -4.6352,Plg13.0000°,Azm106.0000° $M_0$4.59000×10^{18}
MOS Error ellipse: s-maj=34.2km s-min=8.6km az=95.9.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tension Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.47 $M_{\theta\theta}$5.80 $M_{\phi\phi}$-7.27 $M_{r\theta}$2.31 $M_{\theta\phi}$-1.26 $M_{\phi r}$2.14 NP1: ϕ_s141.15965°,δ63.20538°,λ6.41035°. NP2:ϕ_s48.26027°,δ84.28038°,λ153.06051°. Principal axes: T 6.8113,Plg22.9066°,Azm1.4442°; N 1.1850,Plg62.5045°,Azm217.1650° ; P -7.9963,Plg14.3763°,Azm97.6619° $M_0$7.47461×10^{18}
IPGP Moment Tension Solution. NP1:ϕ_s65.00000°,δ85.00000°,λ172.00000°. NP2:ϕ_s156.00000° ,δ82.00000°,λ5.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 9s5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.46 $M_{\theta\theta}$7.30 $M_{\phi\phi}$-8.77 $M_{r\theta}$0.40 $M_{\theta\phi}$-2.82 $M_{\phi r}$-0.97 NP1:ϕ_s54.70000°,δ83.05000° ,λ179.76000°. NP2:ϕ_s144.73000°,δ89.76000°,λ6.95000°. Principal axes: T 7.8344,Plg5.0000°,Azm10.0000°; N 1.4862,Plg83.0000°,Azm147.0000° ; P -9.3207,Plg5.0000°,Azm280.0000° $M_0$8.67000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. ID: C202112120858A. Moment Tensor Solution. s167,c399; s163,c676;Duration: 4s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.62±.02 $M_{\theta\theta}$4.65±.02; $M_{\phi\phi}$-4.04±.02; $M_{r\theta}$0.33±.06; $M_{\theta\phi}$-3.94±.02; $M_{\phi r}$0.48±.06; Best double couple: NP1:ϕ_s156.00000°,δ85.00000°,λ-4.00000°. NP2:ϕ_s246.00000°,δ86.00000°,λ-175.00000°. Principal axes: T 6.1730,Plg1.0000°,Azm21.0000°; N -0.5540,Plg83.0000°,Azm281.0000° ; P -5.6260,Plg7.0000°,Azm111.0000° $M_0$5.89900×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.98 $M_{\theta\theta}$4.69 $M_{\phi\phi}$-3.72 $M_{r\theta}$2.69 $M_{\theta\phi}$-4.92 $M_{\phi r}$2.18 NP1:ϕ_s252.08000°,δ80.27000° ,λ-152.77000°. NP2:ϕ_s157.12000°,δ63.20000°,λ-10.91000°. Principal axes: T 7.2695,Plg12.0000°,Azm22.0000°; N 0.2296,Plg61.0000°,Azm270.0000° ; P -7.4991,Plg26.0000°,Azm118.0000° $M_0$7.38000×10^{18}
ISC XII 11 19 45 18.0–2.8 52.6S–.30 137E–1.0 10 3.6s 8 21-151
IDC XII 11 19 45 16.6–3.4 52.63S 137.84E 0 3.6s,3.5b ¶621644208
ISC Event type se.
IDC Error ellipse: s-maj=192.8km s-min=32.2km az=103.0.
ISC XII 12 09 45 02.0–.40 60.75S–.06 153.7E–.10 10 5.0s,4.8b 72 8-155
IDC XII 12 09 44 58.4–.82 60.77S 153.42E 0 4.9s,4.1b ¶621630721
NEIC XII 12 09 45 02.5–1.6 60.79S–.08 153.8E–.30 10–1 5.3,4.9b
GCMT XII 12 09 45 06.5–.30 60.51S–.01 153.70E–.05 12 5.4W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112120945A. Moment Tensor Solution. s15,c18; s70,c104; Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.00±.06 $M_{\theta\theta}$0.99±.05; $M_{\phi\phi}$-0.98±.06; $M_{r\theta}$-0.29±.14; $M_{\theta\phi}$-0.93±.04; $M_{\phi r}$1.22±.18; Best double couple: NP1:ϕ_s249.00000°,δ48.00000° ,λ-178.00000°. NP2:ϕ_s157.00000°,δ88.00000°,λ-42.00000°. Principal axes: T 1.7260,Plg27.0000°,Azm211.0000°; N 0.2160,Plg48.0000°,Azm336.0000° ; P -1.9410,Plg30.0000°,Azm104.0000° $M_0$1.83400×10^{17}
ISC XII 18 19 46 05.0–.50 57.28S–.07 147.2E–.20 10 4.6b,4.3s 74 14-154
IDC XII 18 19 46 04.5–.80 57.28S 146.77E 0 4.3,4.3s ¶621657027
NEIC XII 18 19 46 05.0–1.3 57.27S–.07 147.5E–.30 10–1 4.8b,4.3s
GCMT XII 18 19 46 07.2–.30 57.19S–.02 147.69E–.04 12 5.0W,4.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112181946A. Moment Tensor Solution. s30,c37; s58,c91; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.37±.18 $M_{\theta\theta}$1.66±.14; $M_{\phi\phi}$-2.03±.17; $M_{r\theta}$-1.97±.43; $M_{\theta\phi}$-3.62±.12; $M_{\phi r}$0.15±.45; Best double couple: NP1:ϕ_s348.00000°,δ65.00000° ,λ8.00000°. NP2:ϕ_s255.00000°,δ82.00000°,λ155.00000°. Principal axes: T 4.6210,Plg23.0000°,Azm209.0000°; N -0.1860,Plg64.0000°,Azm59.0000° ; P -4.4320,Plg11.0000°,Azm304.0000° $M_0$4.52700×10^{16}
IDC XII 12 15 06 54.6–4.5 59.88S 152.84E 0 3.8b,3.8
¶621650517
IDC Error ellipse: s-maj=320.0km s-min=27.8km az=78.0.
IDC XII 23 22 36 54.3–3.4 59.71S 149.48E 0 4.0b,3.9
¶621686849
IDC Error ellipse: s-maj=296.0km s-min=22.5km az=78.0.

(702) Balleny Islands region.

ISC VII 03 22 32 58.4–.54 64.49S–.08 176.1E–.10 10 4.3b,4.2s 34 14-164
IDC VII 03 22 32 56.7–.81 64.31S 176.26E 0 4.2L,4.2b ¶620927837
NEIC VII 03 22 32 58.8–2.6 64.56S–.07 175.9E–.50 10–1 4.7b,4.2b
GCMT VII 03 22 32 59.7–.20 64.49S–.01 176.04E–.04 12 5.0W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107032232A. Moment Tensor Solution. s33,c39; s115,c155; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.15±.11 $M_{\theta\theta}$4.11±.08; $M_{\phi\phi}$-2.96±.10; $M_{r\theta}$-1.70±.28; $M_{\theta\phi}$-0.03±.10; $M_{\phi r}$0.78±.32; Best double couple: NP1:ϕ_s225.00000°,δ61.00000° ,λ-175.00000°. NP2:ϕ_s132.00000°,δ85.00000°,λ-29.00000°. Principal axes: T 4.6200,Plg17.0000°,Azm182.0000°; N -1.3160,Plg60.0000°,Azm304.0000° ; P -3.3030,Plg24.0000°,Azm84.0000° $M_0$3.96200×10^{16}
IDC VII 06 05 55 22.6–6.1 62.62S 170.50E 0 3.8b,3.7
¶620928005
IDC Error ellipse: s-maj=186.4km s-min=30.2km az=80.0.
IDC VII 14 05 35 54.3–5.3 61.92S 168.67E 0 4.3L,4.0
¶620928577
IDC Error ellipse: s-maj=210.9km s-min=21.6km az=71.0.
IDC VII 21 11 21 40.3–5.6 62.04S 157.66E 0 3.9b,3.8
¶620961652
IDC Error ellipse: s-maj=317.8km s-min=22.4km az=75.0.
ISC VIII 14 21 37 00.9–1.3 62.9S–.10 149.1E–.40 10 4.0b,4.0s 9 15-152
IDC VIII 14 21 37 01.0–1.3 62.75S 148.14E 0 4.1b,4.1 ¶621013565
ISC Event type se.
IDC Error ellipse: s-maj=62.3km s-min=16.2km az=84.0.
ISC VII 28 14 07 11.4–.57 63.77S–.08 172.8E–.10 10 4.3b,4.3s 36 12-146
IDC VII 28 14 07 10.2–1.3 63.59S 173.09E 0 4.3s,4.0b ¶620913652
NEIC VII 28 14 07 11.5–1.0 63.8S–.10 172.9E–.40 10–1 4.5b,4.0b
GCMT VII 28 14 07 14.2–.20 63.73S–.01 173.04E–.03 17–1 5.1W,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107281407A. Moment Tensor Solution. s49,c57; s114,c168; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.19±.14 $M_{\theta\theta}$5.11±.14; $M_{\phi\phi}$-3.93±.11; $M_{r\theta}$-0.99±.29; $M_{\theta\phi}$-0.08±.09; $M_{\phi r}$-1.67±.32; Best double couple: NP1:ϕ_s313.00000° ,δ65.00000°,λ-13.00000°. NP2:ϕ_s49.00000°,δ79.00000°,λ-155.00000°. Principal axes: T 5.2650,Plg9.0000°,Azm179.0000°; N -0.5290,Plg62.0000°,Azm71.0000° ; P -4.7460,Plg26.0000°,Azm273.0000° $M_0$5.00500×10^{16}
ISC VIII 26 17 21 23.8–.62 63.28S–.08 171.3E–.20 10 4.3b,4.2s 27 15-156
IDC VIII 26 17 21 22.0–.99 63.16S 171.68E 0 4.2s,4.1 ¶621059008
NEIC VIII 26 17 21 24.4–.88 63.30S–.04 171.4E–.40 10–2 4.4b,4.1
GCMT VIII 26 17 21 26.2–.30 63.36S–.02 170.88E–.04 19–1 5.0W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108261721A. Moment Tensor Solution. s24,c25; s93,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.07±.11 $M_{\theta\theta}$2.35±.10; $M_{\phi\phi}$-2.42±.10; $M_{r\theta}$-2.54±.36; $M_{\theta\phi}$-0.47±.08; $M_{\phi r}$-0.46±.22; Best double couple: NP1:ϕ_s328.00000° ,δ49.00000°,λ8.00000°. NP2:ϕ_s232.00000°,δ84.00000°,λ139.00000°. Principal axes: T 3.9970,Plg33.0000°,Azm182.0000°; N -1.2290,Plg48.0000°,Azm45.0000° ; P -2.7680,Plg23.0000°,Azm287.0000° $M_0$3.38300×10^{16}
ISC VIII 29 04 36 48.0–2.9 63.8S–.20 172.1E–.60 10 3.8b 6 14-146
IDC VIII 29 04 36 44.8–3.5 63.48S 173.11E 0 3.8b,3.8 ¶621073154
ISC Event type se.
IDC Error ellipse: s-maj=111.4km s-min=22.3km az=76.0.
IDC X 05 02 38 54.1–6.6 62.58S 166.50E 0 3.6s,3.5b
¶621203147
IDC Error ellipse: s-maj=250.4km s-min=28.0km az=76.0.
ISC IX 13 17 00 36.4–.66 62.08S–.07 164.8E–.20 10 4.4b,4.2s 35 8-153
IDC IX 13 17 00 35.4–1.4 62.04S 165.04E 0 4.3L,4.2b ¶621073230
NEIC IX 13 17 00 36.9–2.2 62.06S–.08 164.7E–.40 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 17 03 52 39.4–1.5 61.91S 166.19E 0 3.9b,3.9
¶621242866
IDC Error ellipse: s-maj=73.3km s-min=23.0km az=62.0.
GCMT XI 04 08 17 22.7–.40 62.13S–.02 155.19E–.05 15–2 4.8W
GCMT XI 04 08 17 20.0 62.25S 154.75E 10 4.9s ¶622128782
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111040817A. Moment Tensor Solution. s16,c17; s69,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.14 $M_{\theta\theta}$1.60±.11; $M_{\phi\phi}$-1.43±.11; $M_{r\theta}$-0.39±.33; $M_{\theta\phi}$-1.58±.12; $M_{\phi r}$0.08±.38; Best double couple: NP1:ϕ_s338.00000°,δ82.00000°,λ5.00000°. NP2:ϕ_s248.00000°,δ85.00000°,λ172.00000°. Principal axes: T 2.3360,Plg9.0000°,Azm203.0000°; N -0.2220,Plg81.0000°,Azm39.0000° ; P -2.1080,Plg3.0000°,Azm293.0000° $M_0$2.22200×10^{16}
ISC X 17 07 33 04.8–.86 62.36S–.08 165.5E–.20 10 4.2b,3.6s 28 9-130
IDC X 17 07 33 02.7–1.3 62.09S 165.52E 0 4.4L,4.0 ¶621242877
NEIC X 17 07 33 05.5–1.1 62.35S–.07 165.4E–.40 10–2 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 23 02 45 57.6–.66 62.16S–.08 165.4E–.20 10 4.4b,3.9s 26 15-87
IDC X 23 02 45 54.9–2.8 62.00S 166.20E 0 4.8L,4.3 ¶621240691
NEIC X 23 02 45 57.9–.55 62.16S–.05 165.3E–.40 10–1 4.4b,4.3
GCMT X 23 02 46 00.0 62.25S 165.75E 10 4.8s,4.3
GCMT X 23 02 46 01.3–.30 62.22S–.02 165.12E–.05 13–2 4.8W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110230246A. Moment Tensor Solution. s14,c16; s82,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19±.12 $M_{\theta\theta}$2.12±.12; $M_{\phi\phi}$-1.93±.10; $M_{r\theta}$-0.41±.22; $M_{\theta\phi}$-0.37±.09; $M_{\phi r}$0.65±.28; Best double couple: NP1:ϕ_s231.00000°,δ69.00000°,λ-175.00000°. NP2:ϕ_s139.00000°,δ86.00000°,λ-21.00000°. Principal axes: T 2.2460,Plg11.0000°,Azm187.0000°; N -0.0910,Plg69.0000°,Azm308.0000° ; P -2.1590,Plg18.0000°,Azm93.0000° $M_0$2.20300×10^{16}
GCMT X 17 13 17 42.7–.40 62.39S–.02 165.61E–.06 20–2 4.9W
GCMT X 17 13 17 36.0 62.75S 165.75E 10 4.8s ¶622022451
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202110171317A. Moment Tensor Solution. s13,c14; s74,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.63±.20 $M_{\theta\theta}$2.69±.16; $M_{\phi\phi}$-2.06±.12; $M_{r\theta}$-0.07±.23; $M_{\theta\phi}$-0.54±.11; $M_{\phi r}$-0.09±.27; Best double couple: NP1:ϕ_s321.00000°,δ87.00000°,λ-2.00000°. NP2:ϕ_s51.00000°,δ88.00000°,λ-177.00000°. Principal axes: T 2.7520,Plg1.0000°,Azm186.0000°; N -0.6260,Plg86.0000°,Azm81.0000° ; P -2.1270,Plg4.0000°,Azm276.0000° $M_0$2.43900×10^{16}
ISC XI 02 17 00 46.5–.32 62.55S–.05 155.62E–.08 10 5.1b,5.0s 224 8-157
IDC XI 02 17 00 46.5–.72 62.38S 155.83E 0 5.0s,4.7b ¶621254074
NEIC XI 02 17 00 46.7–1.3 62.58S–.08 155.5E–.30 10–1 5.4,5.3b
MOS XI 02 17 00 46.7–1.1 62.30S 155.48E 10 5.3b,5.1s
GFZ XI 02 17 00 47.2–.21 62S–3.0 155E–5.0 10 5.7,5.5b
GCMT XI 02 17 00 49.6–.10 62.46S–.01 155.51E–.02 12 5.5W,5.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111021700A. Moment Tensor Solution. s82,c125; s142,c259;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13±.03 $M_{\theta\theta}$1.56±.02; $M_{\phi\phi}$-1.43±.03; $M_{r\theta}$-0.81±.07; $M_{\theta\phi}$-1.19±.02; $M_{\phi r}$0.11±.07; Best double couple: NP1: ϕ_s336.00000°,δ72.00000°,λ9.00000°. NP2:ϕ_s243.00000°,δ81.00000°,λ162.00000°. Principal axes: T 2.2480,Plg19.0000°,Azm198.0000°; N -0.3870,Plg70.0000°,Azm38.0000° ; P -1.8630,Plg6.0000°,Azm291.0000° $M_0$2.05600×10^{17}
ISC XI 02 17 08 41.4–.62 62.29S–.07 158.7E–.20 10 4.2b 29 8-151
NEIC XI 02 17 08 40.6–1.4 62.30S–.08 158.6E–.30 10–1 4.4b ¶621401350
IDC XI 02 17 08 42.7–1.6 62.19S 158.44E 0 4.7s,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=13.8km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=68.0km s-min=16.7km az=80.0.
ISC XI 18 15 29 29.9–.68 61.87S–.07 166.5E–.20 10 4.3b 40 8-127
NEIC XI 18 15 29 29.5–1.4 61.9S–.10 166.7E–.40 10–2 4.5b ¶621532482
IDC XI 18 15 29 29.4–1.7 61.78S 166.50E 0 4.4s,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.1km s-min=13.6km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=82.9km s-min=18.1km az=71.0.
IDC XI 25 18 47 58.1–2.0 63.28S 169.76E 0 4.1s,3.8L
GCMT XI 25 18 47 52.0 63.50S 171.50E 10 5.0s,3.8L ¶621618720
GCMT XI 25 18 47 56.7–.20 63.26S–.01 171.04E–.03 14–1 5.0W,3.8L
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202111251847A. Moment Tensor Solution. s40,c48; s113,c173;Duration: 0 Moment tensor: Scale 10^{16}Nm;

Mrr-1.17±.14 Mθθ4.28±.13; Mϕϕ-3.11±.10; Mrθ-1.03±.22; Mθϕ-0.97±.10; Mϕr-0.27±.24; Best double couple: NP1:ϕs323.00000°,δ75.00000°,λ-1.00000°. NP2:ϕs53.00000° ,δ89.00000°,λ-165.00000°. Principal axes: T 4.5750,Plg10.0000°,Azm187.0000° ; N -1.2630,Plg75.0000°,Azm56.0000°; P -3.3120,Plg11.0000°,Azm279.0000° M0 3.94400×10^16

IDC	**XI**	**19 07 09 46.5–7.1**	**61.71S**	**166.19E**	**0**	**3.8b,3.7**				
										¶621590267
IDC		Error ellipse: s-maj=295.1km s-min=22.2km az=73.0.								
ISC	**XI**	**23 13 57 16.0–1.2**	**62.5S–.10**	**153.4E–.60**	**10**	**3.4b,3.4s**	**5**	**15-79**		
IDC	XI	23 13 57 14.4–7.3	62.17S	154.53E	0	3.5,3.4b				**¶621611954**
ISC		Event type se.								
IDC		Error ellipse: s-maj=504.2km s-min=23.4km az=76.0.								
ISC	**XII**	**12 09 05 27.1–.58**	**61.17S–.07**	**153.5E–.10**	**10**	**4.5b**	**36**	**17-122**		
IDC	XII	12 09 05 26.8–1.2	60.93S	153.91E	0	4.4b,4.4				**¶621650489**
NEIC	XII	12 09 05 27.2–1.2	61.20S–.08	153.6E–.20	10–1	4.5b,4.4				
ISC		Event type se.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC	**XII**	**10 00 46 26.9–1.4**	**61.47S**	**154.36E**	**0**	**4.0b,4.0**				
GCMT	XII	10 00 46 31.4–.30	61.53S–.01	154.58E–.04	15–1	5.0W,4.0				**¶621644093**
GCMT	XII	10 00 46 32.0	61.50S	153.50E	10	5.0s,4.0				
IDC		Error ellipse: s-maj=66.5km s-min=22.1km az=81.0.								
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. ID: C202112100046A. Moment Tensor Solution. s35,c40; s92,c134;Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-0.26±.15 Mθθ2.91±.13; Mϕϕ-2.65±.11; Mrθ-0.03±.22; Mθϕ-2.18±.12; Mϕr1.49±.35; Best double couple: NP1:ϕs246.00000°,δ69.00000°,λ-170.00000°. NP2:ϕs152.00000°,δ81.00000°,λ-21.00000°. Principal axes: T 3.7350,Plg8.0000°,Azm201.0000°; N 0.2000,Plg67.0000°,Azm310.0000° ; P -3.9390,Plg21.0000°,Azm108.0000° M0 3.83700×10^16									
ISC	**XII**	**31 12 04 08.3–1.3**	**62.8S–.10**	**165.2E–.40**	**10**	**3.9b,3.6s**	**6**	**15-127**		
IDC	XII	31 12 04 09.1–1.8	62.59S	165.06E	0	4.0,3.9L				**¶621726058**
ISC		Event type se.								
IDC		Error ellipse: s-maj=66.1km s-min=23.8km az=84.0.								

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(703) Andaman Islands region.

ISC	**VII**	**07 20 21 09.6–.00**	**11.2N–.10**	**93.4E–.10**	**100**	**4.0b**	**41**	**9-86**		
IDC	VII	07 20 20 54.9–1.2	10.64N	92.77E	0	3.9b,3.8				**¶620928139**
NDI	VII	07 20 21 05.5–2.4	10.66N	93.55E	100	3.9b,3.8				
NEIC	VII	07 20 21 09.5–.92	11.1N–.10	93.5E–.20	97–9	4.2b,3.8				
ISC		Event type se.								
NDI		Event type se. Presumed earthquake.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VII**	**12 20 14 48.5–.49**	**13.70N–.07**	**92.82E–.05**	**10**	**4.4b,3.6s**	**175**	**6-134**		
NDI	VII	12 20 14 46.3–4.0	13.57N	93.11E	10	4.2L,3.6s				**¶620804946**
IDC	VII	12 20 14 46.5–.58	13.61N	92.90E	0	4.0L,4.0				
BKK	VII	12 20 14 49.5–.90	14N–3.0	93E–8.0	10	5.1,4.7				
NEIC	VII	12 20 14 51.0–1.7	13.69N–.08	92.75E–.09	25–5	4.6b,4.7				
GFZ	VII	12 20 14 55.6–.62	14N–8.0	93E–7.0	63	4.6b,4.5				
ISC		Event type se.								
NDI		Event type se. Presumed earthquake.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
IDC	**VII**	**18 07 17 26.6–3.7**	**13.85N**	**93.89E**	**0**	**3.5s,3.4b**				
										¶620928807
IDC		Error ellipse: s-maj=66.9km s-min=20.4km az=119.0.								
ISC	**VIII**	**07 07 50 35.5–1.1**	**13.5N–.20**	**93.0E–.10**	**29**	**3.9b,3.1s**	**15**	**8-90**		
IDC	VIII	07 07 50 38.3–6.0	13.51N	93.04E	51–52	3.9,3.7b				**¶621000713**
ISC		Event type se.								
IDC		Error ellipse: s-maj=37.8km s-min=16.2km az=51.0.								
ISC	**VIII**	**20 00 27 34.5–.42**	**14.13N–.05**	**92.81E–.06**	**10**	**4.4b,3.2s**	**67**	**1-89**		
IDC	VIII	20 00 27 31.8–.59	13.95N	92.91E	0	4.1b,4.1				**¶621041231**
NEIC	VIII	20 00 27 34.9–1.5	14.07N–.09	92.8E–.10	10–1	4.6b,4.1				
NDI	VIII	20 00 27 37.1–1.5	14.02N	92.56E	10	3.8L,4.1				
ISC		Event type se.								
IDC		Error ellipse: s-maj=15.0km s-min=14.4km az=77.0.								
NEIC		Event type se. Error ellipse: s-maj=18.4km s-min=14.5km az=244.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NDI		Event type se. Error ellipse: s-maj=5.5km s-min=7.9km az=-1.0. Presumed earthquake.								
ISC	**VIII**	**14 19 50 17.1–.36**	**12.26N–.05**	**95.04E–.04**	**10**	**4.5b,3.9s**	**201**	**2-90**		
BJI	VIII	14 19 50 12.0	11.86N	94.89E	5	4.9b,4.3b				**¶620986822**
IDC	VIII	14 19 50 15.9–.63	12.30N	95.11E	0	4.2b,4.2				
GFZ	VIII	14 19 50 16.8–.16	12N–2.0	95E–3.0	10	4.7b,4.7				
NEIC	VIII	14 19 50 17.2–.87	12.31N–.06	95.04E–.06	10–1	4.7b,4.7				
NDI	VIII	14 19 50 18.5–4.2	12.32N	95.15E	10	4.5b,4.2L				
BKK	VIII	14 19 50 19.1–1.6	12N–3.0	95E–15	10	4.8b,4.6b				
ISC		Event type se.								
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NDI		Event type se. Presumed earthquake.								
ISC	**VIII**	**22 07 57 00.9–.65**	**10.77N–.09**	**94.33E–.08**	**11**	**3.9b,3.2s**	**32**	**3-85**		
IDC	VIII	22 07 56 58.0–.98	10.44N	93.58E	0	3.9b,3.9				**¶621043067**
NEIC	VIII	22 07 57 01.7–1.1	10.76N–.09	94.43E–.05	10–1	4.1b,3.9				
ISC		Event type se.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**19 20 07 01.1–1.2**	**11.7N–.10**	**92.2E–.10**	**10**	**3.6b**	**14**	**2-92**		
IDC	VIII	19 20 06 58.6–1.1	11.44N	92.15E	0	4.0L,3.7b				**¶621039212**
NDI	VIII	19 20 07 23.8–1.4	13.36N	92.64E	10	3.3L,3.7b				
ISC		Event type se.								
IDC		Error ellipse: s-maj=36.1km s-min=19.7km az=55.0.								
NDI		Event type se. Error ellipse: s-maj=10.2km s-min=7.8km az=-1.0. Presumed earthquake.								
ISC	**VIII**	**23 05 16 52.0–.34**	**10.55N–.05**	**92.19E–.05**	**10**	**4.6b,3.9s**	**177**	**3-147**		
BJI	VIII	23 05 16 46.1	10.05N	92.14E	10	4.7b,4.5b				**¶620999725**
NDI	VIII	23 05 16 48.8–1.6	10.22N	92.58E	10	3.9L,4.5b				
IDC	VIII	23 05 16 50.9–.60	10.58N	92.29E	0	4.3b,4.3				
NEIC	VIII	23 05 16 52.6–.96	10.56N–.08	92.20E–.07	10–1	4.7b,4.3				
GFZ	VIII	23 05 16 54.1–.46	11N–3.0	92E–3.0	26–3	4.8,4.5b				
DJA	VIII	23 05 16 57.6–1.9	11N–2.0	92E–4.0	18–17	5.6b,5.1				
ISC		Event type se.								
NDI		Event type se. Presumed earthquake.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
ISC	**VIII**	**30 18 54 40.6–.38**	**10.13N–.04**	**93.67E–.04**	**10**	**4.4b,3.6s**	**178**	**5-99**		
GFZ	VIII	30 18 54 38.6–.30	10N–4.0	94E–5.0	26	4.7b,4.7				**¶621011116**
NEIC	VIII	30 18 54 41.2–2.1	10.18N–.08	93.68E–.09	10–1	4.6b,4.7				
NDI	VIII	30 18 54 41.4–3.5	10.23N	93.89E	10	4.3b,4.7				
BKK	VIII	30 18 54 46.4–3.2	10N–8.0	94E–30	15	5.2b,4.6				
IDC	VIII	30 18 54 47.3–3.5	10.13N	93.67E	63–32	4.2,3.9L				
DJA	VIII	30 18 54 51.0–.70	10N–3.0	94E–9.0	118–25	5.4,5.2b				
ISC		Event type se.								
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NDI		Event type se. Presumed earthquake.								
IDC	**VIII**	**29 04 43 54.2–2.2**	**11.54N**	**92.19E**	**0**	**4.3L,3.5**				
										¶621073155
IDC		Error ellipse: s-maj=53.8km s-min=28.1km az=80.0.								
ISC	**VIII**	**26 17 47 21.4–1.2**	**12.64N–.10**	**93.2E–.10**	**41**	**3.3b**	**26**	**6-74**		
IDC	VIII	26 17 47 14.2–1.4	12.33N	93.23E	0	4.4L,3.6s				**¶621059010**
BKK	VIII	26 17 47 16.5–1.2	13N–4.0	93E–11	10	4.3L,4.2				
ISC		Event type se.								
ISC	**IX**	**04 10 07 22.9–.65**	**13.76N–.08**	**93.66E–.06**	**35**	**3.9b**	**31**	**1-134**		
IDC	IX	04 10 07 17.6–1.1	13.67N	93.56E	0	3.8L,3.8b				**¶621081629**
NEIC	IX	04 10 07 22.3–.79	13.64N–.05	93.6E–.10	35–2	4.2b,3.8b				
ISC		Event type se.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**VIII**	**31 16 05 13.2–.72**	**10.83N–.08**	**91.40E–.05**	**10**	**4.0b**	**31**	**8-67**		
IDC	VIII	31 16 05 12.7–.85	10.98N	91.82E	0	4.0L,3.7b				**¶621076622**
NEIC	VIII	31 16 05 14.3–.97	10.9N–.10	91.55E–.10	10–1	4.3b,3.7b				
NDI	VIII	31 16 05 19.9–2.6	10.95N	91.60E	10	3.9L,3.7b				
ISC		Event type se.								
IDC		Error ellipse: s-maj=18.5km s-min=17.0km az=4.0.								
NEIC		Event type se. Error ellipse: s-maj=22.2km s-min=15.4km az=347.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
NDI		Event type se. Error ellipse: s-maj=13.5km s-min=20.7km az=-1.0. Presumed earthquake.								
ISC	**IX**	**02 03 22 01.1–.81**	**10.2N–.10**	**93.9E–.10**	**25**	**4.2b**	**30**	**6-73**		
IDC	IX	02 03 21 59.9–7.5	10.57N	93.36E	0	4.6L,3.9b				**¶621080656**
NEIC	IX	02 03 21 59.7–1.4	10.28N–.04	93.9E–.10	10–1	4.2b,3.9b				
ISC		Event type se.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**04 12 10 25.9–.67**	**10.20N–.08**	**91.49E–.07**	**24**	**4.1b,3.2s**	**28**	**3-67**		
IDC	IX	04 12 10 22.8–1.1	10.14N	91.61E	0	4.0b,3.9				**¶621081631**
NEIC	IX	04 12 10 24.2–1.2	10.12N–.10	91.46E–.07	10–1	4.2b,3.9				
ISC		Event type se.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**13 16 30 45.0–.56**	**12.91N–.06**	**95.67E–.05**	**18**	**4.0s,4.0b**	**68**	**3-89**		
IDC	IX	13 16 30 42.3–.82	12.89N	95.67E	0	4.1L,3.9b				**¶621109713**
BKK	IX	13 16 30 44.3–.70	13N–2.0	96E–7.0	10	4.7L,4.7b				
NEIC	IX	13 16 30 44.2–.87	12.86N–.08	95.72E–.05	10–1	4.5b,4.7b				
ISC		Event type se.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**04 12 53 31.1–.60**	**10.10N–.08**	**91.46E–.07**	**10**	**4.3b**	**41**	**3-75**		
IDC	IX	04 12 53 30.8–.81	9.98N	91.56E	0	3.8L,3.8				**¶621081633**
NDI	IX	04 12 53 30.3–3.6	10.20N	91.64E	10–162	4.0L,3.8				
NEIC	IX	04 12 53 31.8–1.7	10.12N–.04	91.51E–.09	10–1	4.4b,3.8				
ISC		Event type se.								
NDI		Event type se. Presumed earthquake.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**09 03 02 21.6–.46**	**10.14N–.06**	**93.83E–.05**	**25**	**4.5b,3.6s**	**125**	**3-153**		
IDC	IX	09 03 02 18.5–.54	10.32N	93.77E	0	4.2b,4.2				**¶621044111**
NEIC	IX	09 03 02 19.3–1.5	10.1N–.10	93.8E–.10	10–1	4.7b,4.2				
BJI	IX	09 03 02 21.5	9.85N	93.89E	59	4.9b,4.6b				
ISC		Event type se.								
IDC		Error ellipse: s-maj=14.6km s-min=13.8km az=96.0.								
NEIC		Event type se. Error ellipse: s-maj=19.7km s-min=18.9km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**09 03 36 12.0–1.1**	**10.2N–.20**	**93.7E–.20**	**24**	**3.9b**	**12**	**9-86**		
IDC	IX	09 03 36 08.3–1.1	10.18N	93.67E	0	3.9L,3.8b				**¶621105829**
ISC		Event type se.								
IDC		Error ellipse: s-maj=32.0km s-min=20.8km az=54.0.								
ISC	**IX**	**09 03 44 29.4–.58**	**10.3N–.10**	**93.77E–.08**	**19**	**4.2b**	**38**	**6-86**		
NEIC	IX	09 03 44 28.8–1.5	10.26N–.05	93.7E–.10	10–1	4.8b				**¶621105832**
IDC	IX	09 03 44 44.0–6.3	10.27N	93.73E	148–56	3.9,3.5b				
ISC		Event type se.								
NEIC		Event type se. Error ellipse: s-maj=17.9km s-min=8.6km az=260.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
IDC		Error ellipse: s-maj=41.9km s-min=14.8km az=54.0.								
ISC	**IX**	**09 03 52 35.5–.56**	**10.29N–.09**	**93.73E–.07**	**10**	**4.2b**	**43**	**6-77**		
IDC	IX	09 03 52 33.8–1.1	10.33N	93.72E	0	3.8b,3.8				**¶621105833**
NEIC	IX	09 03 52 36.3–1.3	10.32N–.09	93.73E–.07	10–1	4.5b,3.8				
ISC		Event type se.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**11 03 20 17.5–.34**	**14.03N–.03**	**92.94E–.04**	**20–1**	**5.0b,4.1s**	**763**	**1-165**		
MOS	IX	11 03 20 14.5–.90	14.04N	92.95E	13	5.1b,4.1s				**¶621069028**
IDC	IX	11 03 20 14.4–.37	14.04N	92.94E	0	4.7b,4.6				
BJI	IX	11 03 20 17.8	14.10N	93.00E	10	5.0b,4.7b				
NEIC	IX	11 03 20 17.2–1.8	14.11N–.04	92.99E–.07	10–1	5.2b,4.7b				
GFZ	IX	11 03 20 18.9–.21	14N–2.0	93E–2.0	30–1	5.9,5.8				
BKK	IX	11 03 20 19.3–.60	14N–3.0	93E–6.0	10	5.0b,5.0L				
BGR	IX	11 03 20 20.8	14.03N	92.81E	31–1	4.7b,4.1s				
NDI	IX	11 03 20 20.4–2.7	14.03N	92.72E	10	4.7b,4.6L				
GCMT	IX	11 03 20 21.6–.40	14.05N–.03	92.63E–.03	22–1	4.9W,4.6L				
ISC		Event type ke.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.								
BGR		Event type ke.								
NDI		Event type se. Presumed earthquake.								
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109110320A. Moment Tensor Solution. s25,c31; s65,c96; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-1.90±.18 Mθθ1.27±.12; Mϕϕ0.62±.12; Mrθ1.54±.21; Mθϕ1.45±.09; Mϕr0.64±.21; Best double couple: NP1:ϕs36.00000°,δ28.00000° ,λ-114.00000°. NP2:ϕs243.00000°,δ64.00000°,λ-78.00000°. Principal axes: T 2.9660,Plg18.0000°,Azm324.0000°; N -0.4430,Plg11.0000°,Azm58.0000° ; P -2.5260,Plg68.0000°,Azm177.0000° M0 2.74600×10^16									
IDC	**IX**	**11 04 29 18.8–2.7**	**14.39N**	**95.99E**	**0**	**3.9b,3.8**				
										¶621108558
IDC		Error ellipse: s-maj=45.4km s-min=24.2km az=156.0.								
ISC	**IX**	**26 18 40 07.4–1.3**	**11.6N–.20**	**92.7E–.20**	**26**	**3.6b**	**11**	**9-75**		
IDC	IX	26 18 40 03.5–1.2	11.59N	92.67E	0	3.8L,3.7b				**¶621131527**
ISC		Event type se.								
IDC		Error ellipse: s-maj=32.2km s-min=19.2km az=58.0.								
BKK	**IX**	**13 15 39 56.5–1.0**	**13N–3.0**	**96E–10**	**10**	**4.7b,3.9**				
										¶622281648
ISC	**IX**	**14 18 47 11.5–.53**	**10.37N–.04**	**93.13E–.04**	**85–4**	**4.4b**	**277**	**1-137**		
NDI	IX	14 18 47 09.2–2.8	10.18N	93.35E	24–50	4.5L				**¶621073493**
NEIC	IX	14 18 47 12.9–1.2	10.45N–.07	93.28E–.09	88–6	4.4b				
GFZ	IX	14 18 47 12.6–.16	10N–2.0	93E–3.0	90	5.3b,4.7				
DJA	IX	14 18 47 12.2–.30	10N–2.0	93E–4.0	10	5.4b,4.8				
IDC	IX	14 18 47 14.1–1.9	10.41N	93.34E	106–16	4.1,3.7b				
ISC		Event type se.								
NDI		Event type se. Error ellipse: s-maj=28.8km s-min=28.6km az=-1.0. Presumed earthquake.								
NEIC		Event type se. Error ellipse: s-maj=14.9km s-min=7.8km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GFZ		smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.								
IDC		Error ellipse: s-maj=19.5km s-min=9.9km az=56.0.								
ISC	**X**	**11 05 32 55.5–1.1**	**14.95N–.07**	**96.7E–.10**	**10**	**4.2b,3.5s**	**25**	**2-75**		
IDC	X	11 05 32 52.9–2.0	14.96N	96.45E	0	4.2L,3.7b				**¶621236861**
BKK	X	11 05 32 54.3–.90	15N–4.0	97E–6.0	6–4	4.9L,4.8				
NEIC	X	11 05 33 04.7–1.2	15.01N–.06	98.27E–.09	10–1	4.3b,4.8				
ISC		Event type se.								
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
ISC	**IX**	**30 13 05 37.1–.47**	**11.68N–.05**	**95.29E–.04**	**35**	**4.5b,3.7s**	**133**	**2-92**		
IDC	IX	30 13 05 33.2–1.1	11.75N	95.43E	0	4.3b,4.2				**¶621113679**
BKK	IX	30 13 05 34.2–.40	12N–2.0	95E–4.0	10	4.5b,4.4L				
NEIC	IX	30 13 05 36.4–1.3	11.75N–.06	95.3E–.10	24–6	4.4b,4.4L				
GFZ	IX	30 13 05 36.3–.55	12N–3.0	95E–4.0	37–5	4.6b,4.6b				

DJA IX 30 13 05 39.2–.70 12N–3.0 95E–9.0 109–47 5.2b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC IX 29 20 23 59.9–2.1 10.67N 91.84E 0 3.7b,3.6 ¶621146395
IDC Error ellipse: s-maj=53.5km s-min=25.4km az=77.0.
ISC X 04 23 51 22.8–1.3 13.6N–.20 92.9E–.10 29 3.7b 8 8-78
IDC X 04 23 51 18.2–1.2 13.54N 92.85E 0 4.0L,3.7b **¶621203142**
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=20.6km az=63.0.
ISC X 05 01 12 14.4–.48 13.74N–.06 93.67E–.06 50 4.2b,3.2s 95 2-150
IDC X 05 01 12 05.4–.89 13.44N 93.61E 0 4.4L,3.9b **¶621126127**
BKK X 05 01 12 12.4–.60 14N–3.0 94E–6.0 10 5.4,5.1
NEIC X 05 01 12 16.2–1.2 13.8N–.10 93.7E–.10 63–7 4.9b,5.1
NDI X 05 01 12 16.2–3.1 13.79N 93.80E 39–46 4.1L,5.1
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=18.5km az=79.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=12.2km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=11.7km s-min=41.1km az=-1.0. Presumed earthquake.
ISC X 31 07 38 06.3–.61 10.9N–.10 91.89E–.09 27 4.2b 30 8-90
IDC X 31 07 38 02.6–.87 10.99N 92.07E 0 3.9b,3.9 **¶621395228**
NEIC X 31 07 38 04.4–1.3 10.9N–.10 91.84E–.09 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 26 23 26 34.0–.99 12.56N–.06 93.36E–.07 10 42 1-18
BKK X 26 23 26 32.8–.40 12N–2.0 93E–4.0 10 4.9b,4.2 **¶622281690**
NDI X 26 23 26 33.9–2.4 12.43N 93.65E 18–9 3.6W,4.2
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=7.1km s-min=18.6km az=-1.0. Presumed earthquake.
ISC X 24 05 48 42.8–.54 13.05N–.05 92.49E–.06 31 4.0b 40 0-74
IDC X 24 05 48 37.1–1.0 12.75N 92.44E 0 4.1s,3.7b **¶621366376**
NEIC X 24 05 48 39.7–1.1 12.92N–.04 92.5E–.10 10–1 4.3b,3.7b
NDI X 24 05 48 44.8–2.7 13.16N 92.81E 38–77 3.7L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=18.8km az=14.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=4.7km az=280.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=76.9km s-min=136.5km az=-1.0. Presumed earthquake.
ISC X 31 11 04 02.6–1.4 12.8N–.10 92.4E–.20 31 3.6b 8 8-69
IDC X 31 11 03 57.8–1.4 12.76N 92.29E 0 3.7b,3.6 **¶621395242**
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=21.3km az=78.0.
ISC XI 07 00 02 18.2–1.6 11.6N–.10 92.7E–.20 26 3.6b 13 6-53
IDC XI 07 00 02 14.1–1.6 11.44N 92.74E 0 4.1L,3.5b **¶621416010**
BKK XI 07 00 02 19.4–2.5 12N–9.0 93E–22 48–7 4.5b,3.9
ISC Event type se.
IDC XI 05 11 03 55.5–2.1 12.80N 92.90E 0 3.5b,3.5s ¶621413970
IDC Error ellipse: s-maj=51.7km s-min=26.8km az=79.0.
IDC XI 21 14 09 26.1–1.9 13.43N 93.87E 0 3.6b,3.5 ¶621608921
IDC Error ellipse: s-maj=38.8km s-min=21.7km az=101.0.
ISC XI 15 09 55 59.3–1.5 13.6N–.20 93.9E–.20 35 4.1s,3.6b 6 7-84
IDC XI 15 09 55 53.9–1.5 13.54N 93.85E 0 4.1L,3.9s **¶621475626**
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=23.5km az=63.0.
ISC XII 05 13 39 29.9–.55 13.92N–.07 92.43E–.07 10 4.1b 37 7-90
IDC XII 05 13 39 28.5–.87 13.89N 92.50E 0 3.8b,3.8 **¶621631256**
NEIC XII 05 13 39 30.4–.97 13.92N–.07 92.43E–.08 10–1 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 28 04 19 57.9–1.1 13.1N–.10 95.5E–.20 18 3.7b,3.1s 10 6-89
IDC XI 28 04 19 55.2–1.0 13.11N 95.47E 0 3.8L,3.7b **¶621625160**
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=16.9km az=63.0.
BKK XII 16 19 27 26.1–2.6 12N–5.0 95E–24 10 4.8b,4.0 ¶622281749
ISC XII 19 03 19 46.1–.36 13.64N–.03 92.75E–.03 16–2 5.2b,4.4s 907 2-161
IDC XII 19 03 19 43.4–.38 13.61N 92.79E 0 4.8b,4.8 **¶621633612**
BJI XII 19 03 19 43.2 13.57N 92.60E 12 5.3b,4.7s
MOS XII 19 03 19 43.1–.97 13.59N 92.81E 11 5.2b,4.4s
NDI XII 19 03 19 43.7–1.5 13.97N 93.23E 58–48 5.0W,4.4s
BGR XII 19 03 19 44.8 12.60N 92.80E 33–4 5.2b,4.6s
GFZ XII 19 03 19 46.4 13.74N 92.71E 25 5.0W,4.6s
NEIC XII 19 03 19 46.2–1.7 13.74N–.06 92.75E–.07 10–1 5.3b,5.1
GFZ XII 19 03 19 47.0–.14 14N–2.0 93E–3.0 10 5.5b,5.2b
BKK XII 19 03 19 46.0–1.5 14N–6.0 93E–13 10 5.5b,5.4L
DJA XII 19 03 19 48.3–.80 14N–2.0 93E–2.0 29–6 5.9b,5.5
GCMT XII 19 03 19 49.6–.20 13.61N–.01 92.64E–.01 14–0 5.1W,5.5
ISC Event type ke.
NDI Event type se. Presumed earthquake.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.98 $M_{\theta\theta}$3.21 $M_{\phi\phi}$-0.23 $M_{r\theta}$-0.19 $M_{\theta\phi}$2.49 $M_{\phi r}$-1.98 NP1: ϕ_s34.65453°,δ60.76157°,λ-126.73774°. NP2:ϕ_s271.45382°,δ45.63061°,λ-43.10101°. Principal axes: T 4.6838,Plg8.5738°,Azm149.9786°; N -0.5101,Plg31.4628°,Azm54.6852° ; P -4.1737,Plg57.1242°,Azm253.4683° $M_0$4.45072×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112190319A. Moment Tensor Solution. s62,c82; s107,c179; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.26±.12 $M_{\theta\theta}$2.98±.10; $M_{\phi\phi}$-0.72±.08; $M_{r\theta}$3.64±.30; $M_{\theta\phi}$2.66±.07; $M_{\phi r}$-0.99±.19; Best double couple: NP1:ϕ_s27.00000°,δ38.00000° ,λ-154.00000°. NP2:ϕ_s276.00000°,δ74.00000°,λ-55.00000°. Principal axes: T 5.4820,Plg22.0000°,Azm340.0000°; N -0.2890,Plg33.0000°,Azm85.0000° ; P -5.1970,Plg49.0000°,Azm223.0000° $M_0$5.33900×10^{16}
BKK XII 30 05 15 42.6–3.1 14N–8.0 94E–27 10 4.6b,4.3b ¶622281805
ISC XII 21 21 08 35.7–.58 10.25N–.04 94.00E–.04 26–4 4.8b,3.9s 372 2-147
IDC XII 21 21 08 31.4–.47 10.25N 93.85E 0 4.3b,4.3 **¶621637423**
NEIC XII 21 21 08 33.8–1.7 10.30N–.06 94.04E–.07 10–1 5.0b,4.3
BKK XII 21 21 08 33.4–.70 10N–4.0 94E–6.0 10 5.0b,4.9L
BJI XII 21 21 08 33.4 10.18N 93.76E 29 4.8b,4.6b
GFZ XII 21 21 08 34.8–.21 10N–4.0 94E–3.0 10 5.2b,4.9b
GCMT XII 21 21 08 37.3–.40 10.17N–.04 93.77E–.04 15–1 4.7W,4.9b
DJA XII 21 21 08 39.2–.40 10N–2.0 94E–5.0 50–15 5.1b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112212108A. Moment Tensor Solution. s7,c7; s74,c94; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.36±.19 $M_{\theta\theta}$0.83±.11; $M_{\phi\phi}$0.52±.11; $M_{r\theta}$0.27±.24; $M_{\theta\phi}$0.89±.07; $M_{\phi r}$0.59±.28; Best double couple: NP1:ϕ_s62.00000°,δ36.00000° ,λ-70.00000°. NP2:ϕ_s219.00000°,δ57.00000°,λ-104.00000°. Principal axes: T 1.6950,Plg11.0000°,Azm318.0000°; N -0.1700,Plg11.0000°,Azm226.0000° ; P -1.5280,Plg74.0000°,Azm91.0000° $M_0$1.61100×10^{16}

(704) Nicobar Islands region.

DJA VII 07 23 10 56.2–.80 6N–8.0 95E–10 223–4 3.8,3.8 ¶626066309
BKK VII 17 03 46 14.6–4.5 9N–10 94E–37 10 4.9b,4.6b ¶622281594
ISC VII 21 16 39 22.8–1.5 8.2N–.20 93.3E–.20 10 3.6b 7 12-75
IDC VII 21 16 39 19.7–2.0 8.37N 93.02E 0 3.7b,3.6L **¶620961672**
ISC Event type se.
IDC Error ellipse: s-maj=53.7km s-min=26.2km az=76.0.
ISC VII 29 16 02 28.8–.58 6.79N–.07 94.2E–.10 100 3.9b 87 2-81
NEIC VII 29 16 02 25.7–1.7 6.80N–.06 94.1E–.10 65–8 4.3b **¶620984126**
IDC VII 29 16 02 29.2–9.0 6.82N 94.18E 98–77 4.1L,4.1s
DJA VII 29 16 02 35.0–1.1 6N–4.0 94E–12 125–6 5.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 03 00 57 14.4–.40 8.91N–.05 94.04E–.05 22 4.4b,4.1s 193 4-145
BJI VIII 03 00 57 06.1 8.20N 94.12E 10 4.9b,4.5b **¶620930445**
IDC VIII 03 00 57 10.2–.59 8.80N 93.85E 0 4.1b,4.1
NEIC VIII 03 00 57 10.9–1.5 8.67N–.06 94.14E–.10 10–1 4.6b,4.1
GFZ VIII 03 00 57 13.7–2.0 9N–3.0 94E–7.0 18–14 4.6,4.5b
DJA VIII 03 00 57 13.5–.50 9N–5.0 94E–5.0 10 5.4b,4.8
BKK VIII 03 00 57 19.5–3.7 9N–10 95E–31 10 4.7b,4.7b
NDI VIII 03 00 57 24.1–2.5 9.59N 93.95E 30 4.3W,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=13.5km az=65.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=7.0km az=242.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=14.9km s-min=4.7km az=72.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NDI Event type se. Error ellipse: s-maj=58.1km s-min=18.2km az=-1.0. Presumed earthquake.
ISC VIII 03 01 51 14.8–.46 8.90N–.03 93.97E–.03 15–2 4.9b,4.6s 692 4-161
BJI VIII 03 01 51 08.5 8.44N 93.88E 10 5.3s,5.2b **¶620930449**
IDC VIII 03 01 51 11.7–.41 8.86N 93.94E 0 4.5s,4.4b
MOS VIII 03 01 51 11.5–1.0 8.90N 93.98E 10 5.1b,4.5s
BGR VIII 03 01 51 13.2 8.00N 93.72E 28–1 4.8b,4.5s
DJA VIII 03 01 51 14.2–.30 9N–3.0 94E–3.0 10 5.6b,5.3
NEIC VIII 03 01 51 14.5–1.8 9.01N–.07 94.12E–.08 10–1 5.3,5.1b
GFZ VIII 03 01 51 16.5 9.18N 93.71E 18 5.2W,5.1b
GCMT VIII 03 01 51 17.8–.10 8.83N–.01 94.12E–.01 18–0 5.3W,5.1b
GFZ VIII 03 01 51 17.0–.15 9N–3.0 94E–3.0 10 5.0b,5.0
BKK VIII 03 01 51 17.0–.90 9N–5.0 94E–8.0 10 5.2,5.0
NDI VIII 03 01 51 19.7–3.9 9.18N 93.64E 10 5.0b,5.0
ISC Event type ke.
IDC Error ellipse: s-maj=12.6km s-min=10.6km az=70.0.
MOS Error ellipse: s-maj=7.2km s-min=3.9km az=112.2.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=11.3km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.09 $M_{\theta\theta}$-1.17 $M_{\phi\phi}$6.26 $M_{r\theta}$3.69 $M_{\theta\phi}$1.29 $M_{\phi r}$-3.47 NP1: ϕ_s215.67701°,δ38.82331°,λ-40.75243°. NP2:ϕ_s339.55279°,δ65.84234°,λ-121.36579°. Principal axes: T 7.2457,Plg15.1598°,Azm91.9682°; N 0.9824,Plg28.3539°,Azm353.5605° ; P -8.2282,Plg57.1694°,Azm206.7981° $M_0$7.78360×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108030151A. Moment Tensor Solution. s82,c110; s146,c246;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.02 $M_{\theta\theta}$-0.72±.01; $M_{\phi\phi}$0.81±.01; $M_{r\theta}$-0.22±.04; $M_{\theta\phi}$0.54±.01; $M_{\phi r}$0.04±.03; Best double couple: NP1: ϕ_s154.00000°,δ79.00000°,λ-171.00000°. NP2:ϕ_s62.00000°,δ81.00000°,λ-11.00000°. Principal axes: T 0.9840,Plg2.0000°,Azm108.0000°; N -0.0350,Plg76.0000°,Azm204.0000° ; P -0.9490,Plg14.0000°,Azm17.0000° $M_0$0.96700×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NDI Event type se. Error ellipse: s-maj=15.3km s-min=18.3km az=-1.0. Presumed earthquake.
ISC VIII 03 03 42 10.0–.41 8.78N–.03 94.03E–.03 23–2 6.0s,5.3b 1408 4-162
NDI VIII 03 03 42 02.0–3.4 8.43N 94.72E 10 5.6W,5.3b **¶620930453**
BJI VIII 03 03 42 03.8 8.63N 93.83E 5 6.2s,5.9
IDC VIII 03 03 42 04.6–.36 8.66N 93.99E 0 4.8b,4.7
MOS VIII 03 03 42 05.7–1.1 8.78N 94.00E 11 5.8s,5.4b
NEIC VIII 03 03 42 07.9–1.3 8.86N–.06 94.06E–.07 10–1 5.3b,5.4b
GFZ VIII 03 03 42 10.0–.09 9N–2.0 94E–2.0 10 6.3b,6.0
BKK VIII 03 03 42 10.3–1.1 9N–5.0 94E–8.0 21–10 5.9b,5.8L
DJA VIII 03 03 42 11.7–.40 9N–1.0 94E–2.0 29–3 6.3b,6.1
GCMT VIII 03 03 43 53.8–.20 8.90N–.01 94.06E–.02 24–1 6.0W,6.1
ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: S202108030343A. Moment Tensor Solution. s129,c242; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.27±.08 $M_{\theta\theta}$-0.59±.04; $M_{\phi\phi}$0.85±.06; $M_{r\theta}$-0.58±.09; $M_{\theta\phi}$1.04±.04; $M_{\phi r}$0.05±.08; Best double couple: NP1:ϕ_s165.00000°,δ66.00000° ,λ-167.00000°. NP2:ϕ_s70.00000°,δ78.00000°,λ-25.00000°. Principal axes: T 1.4350,Plg8.0000°,Azm119.0000°; N -0.0400,Plg63.0000°,Azm225.0000° ; P -1.3960,Plg26.0000°,Azm25.0000° $M_0$1.41500×10^{18}
ISC VIII 03 03 42 38.0–.19 8.93N–.03 93.97E–.03 5 6.1s,5.8b 865 5-167
IDC VIII 03 03 42 36.1–.34 8.87N 93.98E 0 5.8s,5.3b **¶620995837**
MOS VIII 03 03 42 36.6–1.0 8.90N 93.98E 13 6.1b,5.9s
NEIC VIII 03 03 42 38.4 8.89N 94.02E 10 6.1b,5.9s
ISC-P VIII 03 03 42 38 8.88N 94.02E 5–0 6.1,5.9s
NEIC VIII 03 03 42 38.3 8.86N 94.01E 10 6.1,5.9s
NEIC VIII 03 03 42 38.3–1.9 8.88N–.07 94.02E–.07 10–1 6.1,6.0
IPGP VIII 03 03 42 38.0 8.88N 93.99E 10 6.1W,6.0
NDI VIII 03 03 42 39.0–2.3 8.39N 94.59E 70–28 5.8W,6.0
GFZ VIII 03 03 42 41.0–.11 9N–3.0 94E–2.0 10 6.3b,6.0
GFZ VIII 03 03 42 41.0 9.21N 93.82E 15 6.0W,6.0
NEIC VIII 03 03 42 41.6 8.69N 93.72E 26 6.1,6.0
GCMT VIII 03 03 42 41.3–.10 8.84N 94.09E 14–0 6.1W,6.0
ISC Event type se.
IDC Error ellipse: s-maj=10.3km s-min=9.0km az=61.0.
MOS Error ellipse: s-maj=7.0km s-min=4.9km az=108.3.
NEIC Event type se.
ISC-P Moment Tensor Solution. s49 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.71 $M_{\theta\theta}$0.07±.39; $M_{\phi\phi}$-0.03±.15; $M_{r\theta}$-0.04±.14; $M_{\theta\phi}$0.38±.18; $M_{\phi r}$0.32±.17; NP1:ϕ_s203.60000°,δ62.10000° ,λ241.30000°. NP2:ϕ_s73.00000°,δ39.10000°,λ-47.80000°. $M_0$1.64000×10^{18}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.9km az=252.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$0.86 $M_{r\theta}$-0.30 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.05 NP1:ϕ_s155.89000°,δ74.81000°,λ-174.82000°. NP2:ϕ_s64.53000° ,δ85.00000°,λ-15.25000°. Principal axes: T 1.1369,Plg7.0000°,Azm111.0000° ; N -0.0201,Plg74.0000°,Azm227.0000°; P -1.1167,Plg14.0000°,Azm19.0000° $M_0$1.13000×10^{18}
IPGP Moment Tensor Solution. NP1:ϕ_s68.00000°,δ80.00000°,λ-11.00000°. NP2:ϕ_s159.00000° ,δ79.00000°,λ-170.00000°.
NDI Event type se. Error ellipse: s-maj=43.2km s-min=33.6km az=-1.0. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.45 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$1.21 $M_{r\theta}$0.16 $M_{\theta\phi}$0.96 $M_{\phi r}$0.43 NP1: ϕ_s336.67960°,δ82.44939°,λ170.67221°. NP2:ϕ_s67.91604°,δ80.75380°,λ7.65060°. Principal axes: T 1.6997,Plg11.9191°,Azm292.1699°; N -0.5488,Plg78.0203°,Azm118.0201° ; P -1.1508,Plg1.1861°,Azm22.4203° $M_0$1.50240×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$1.30 $M_{r\theta}$-0.73 $M_{\theta\phi}$1.43 $M_{\phi r}$-0.35 NP1:ϕ_s159.62000°,δ66.76000° ,λ-179.26000°. NP2:ϕ_s69.33000°,δ89.32000°,λ-23.25000°. Principal axes:

T 2.1328,Plg16.0000°,Azm117.0000°; N -0.1688,Plg67.0000°,Azm248.0000°
; P -1.9639,Plg17.0000°,Azm22.0000° $M_0$2.05000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202108030342A. Moment Tensor Solution. s160,c357; s168,c591;Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.31±.01 $M_{\theta\theta}$-0.95±.01; $M_{\phi\phi}$1.26±.01; $M_{r\theta}$-0.27±.02; $M_{\theta\phi}$1.19±.01; $M_{\theta r}$0.20±.02; Best double couple: NP1:ϕ_s68.00000°,δ78.00000°,λ-9.00000°. NP2:ϕ_s160.00000°,δ81.00000°,λ-168.00000°. Principal axes: T 1.7810,Plg2.0000°,Azm293.0000°; N -0.2250,Plg75.0000°,Azm196.0000° ; P -1.5550,Plg15.0000°,Azm24.0000° $M_0$1.66800×10^{18}

ISC	**VIII**	**03 03 43 55.3–.53**	**9.02N–.04**	**94.14E–.05**	**24–3**	**6.0s,5.6b**	**574**	**5-162**
IDC	VIII	03 03 43 49.8–.44	8.74N	93.94E	0	6.2s,5.1b		**¶620930454**
MOS	VIII	03 03 43 51.2–1.6	9.06N	94.06E	11	6.0s,5.8b		
NDI	VIII	03 03 43 53.1–2.8	8.86N	94.40E	10	5.6b,5.8b		
BJI	VIII	03 03 43 53.5	9.08N	94.20E	14	5.9s,5.9b		
NEIC	VIII	03 03 43 53.6–1.7	9.00N–.02	94.16E–.09	10–1	5.8b,5.9b		
GFZ	VIII	03 03 43 55.8–.17	9N–5.0	94E–5.0	10	5.9b,5.9		

ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**03 03 54 55.2–.58**	**8.91N–.09**	**94.1E–.10**	**22**	**4.0b**	**46**	**4-146**
IDC	VIII	03 03 54 51.6–.74	8.72N	93.97E	0	4.1L,3.8b		**¶620995840**
NEIC	VIII	03 03 54 54.1–1.9	8.95N–.05	94.2E–.10	10–1	4.3b,3.8b		
BKK	VIII	03 03 54 57.9–1.3	9N–10	94E–10	10	4.7,4.6L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**03 04 16 31.4–.59**	**8.54N–.08**	**93.91E–.09**	**22**	**4.1b**	**42**	**4-145**
IDC	VIII	03 04 16 28.3–.85	8.64N	93.91E	0	4.6s,4.1L		**¶620995844**
NEIC	VIII	03 04 16 30.1–.99	8.54N–.08	93.9E–.10	10–1	4.6b,4.1L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**04 01 04 48.4–.59**	**8.7N–.10**	**94.03E–.08**	**22**	**4.2b,3.3s**	**58**	**6-161**
IDC	VIII	04 01 04 45.0–.73	8.74N	93.93E	0	4.4L,4.0b		**¶620997263**
NEIC	VIII	04 01 04 47.6–1.5	8.9N–.10	94.0E–.10	10–1	4.6b,4.0b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**03 08 30 02.6–.77**	**9.08N–.09**	**94.1E–.10**	**10**	**4.0b**	**36**	**4-91**
BKK	VIII	03 08 29 58.5–1.2	9N–4.0	94E–11	10	5.2b,4.7L		**¶620995861**
NEIC	VIII	03 08 30 02.6–2.9	9.0N–.10	94.1E–.20	10–2	4.3b,4.7L		
IDC	VIII	03 08 30 02.0–1.0	9.16N	94.37E	0	4.2L,3.8b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=16.9km az=264.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.5km s-min=13.4km az=60.0.

ISC	**VIII**	**03 07 39 36.5–.37**	**8.96N–.05**	**93.98E–.06**	**22**	**4.7b,3.7s**	**149**	**4-146**
IDC	VIII	03 07 39 34.5–.57	9.86N	95.20E	0	4.0L,4.0b		**¶620995855**
NDI	VIII	03 07 39 35.8–2.9	8.68N	94.25E	39–45	4.8b,4.0b		
DJA	VIII	03 07 39 35.0–.70	9N–7.0	94E–8.0	10	5.2b,5.0b		
NEIC	VIII	03 07 39 35.4–.74	9.03N–.08	93.91E–.08	10–1	4.7b,5.0b		
GFZ	VIII	03 07 39 36.1–.18	9N–3.0	93E–4.0	10	4.8b,4.8		
BKK	VIII	03 07 39 38.9–2.2	9N–7.0	94E–12	20–21	4.7b,4.7b		

ISC Event type se.
NDI Event type se. Presumed earthquake.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**04 01 56 12.6–.57**	**9.20N–.09**	**94.24E–.10**	**22**	**4.0b,3.4s**	**41**	**5-146**
IDC	VIII	04 01 56 09.5–.68	9.20N	94.16E	0	3.9L,3.8b		**¶620997272**
NEIC	VIII	04 01 56 10.2–1.2	9.07N–.06	94.3E–.10	10–1	4.4b,3.8b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**03 17 20 52.6–1.8**	**8.4N–.20**	**93.8E–.10**	**10**	**3.5b**	**11**	**5-62**
BKK	VIII	03 17 20 56.7–7.8	9N–13	94E–63	10	4.3b,4.2L		**¶620995883**
IDC	VIII	03 17 20 56.8–1.6	9.12N	93.47E	0	3.8L,3.6b		

ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=28.0km az=64.0.

ISC	**VIII**	**04 04 09 21.9–.67**	**8.8N–.10**	**93.35E–.09**	**10**	**4.4b**	**29**	**6-145**
NEIC	VIII	04 04 09 22.4–.78	8.73N–.06	93.3E–.10	10–1	4.6b		**¶620997281**
IDC	VIII	04 04 09 32.9–3.5	9.02N	94.48E	113–34	3.8,3.4b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=10.5km az=282.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.9km s-min=23.9km az=82.0.

ISC	**VIII**	**04 17 57 42.2–.31**	**8.73N–.03**	**94.08E–.03**	**21–3**	**5.3s,5.2b**	**1381**	**3-161**
IDC	VIII	04 17 57 38.0–.38	8.80N	93.99E	0	5.1s,5.0L		**¶620968081**
BJI	VIII	04 17 57 38.4	8.59N	93.97E	17	5.7s,5.5		
MOS	VIII	04 17 57 39.0–1.1	8.73N	94.01E	16	5.4b,5.1s		
NEIC	VIII	04 17 57 39.5	8.85N	94.09E	5	5.4b,5.1s		
NEIC	VIII	04 17 57 39.9–1.7	8.80N–.06	94.08E–.07	9–2	5.5,5.4b		
NEIC	VIII	04 17 57 39.7	8.80N	94.07E	8	5.5,5.4b		
IPGP	VIII	04 17 57 40.0	8.83N	94.14E	6	5.6W,5.4b		
GFZ	VIII	04 17 57 41.5–.09	9N–2.0	94E–2.0	10	5.6b,5.3b		
BKK	VIII	04 17 57 41.7–1.5	9N–5.0	94E–13	10	5.4,5.3		
GFZ	VIII	04 17 57 41.5	8.82N	93.95E	12	5.5W,5.3		
GCMT	VIII	04 17 57 42.4–.10	8.72N–.01	94.11E–.01	13–0	5.6W,5.3		
NDI	VIII	04 17 57 43.6–3.5	8.87N	93.88E	10	5.6b,5.3		
DJA	VIII	04 17 57 45.3–.30	9N–2.0	94E–3.0	159–4	5.6,5.5		
BGR	VIII	04 17 57 46.9	8.72N	93.09E	33	5.2b,5.0s		
NEIC	VIII	04 17 57 49.8	8.75N	93.99E	12	5.5,5.0s		

ISC Event type ke.
IDC Error ellipse: s-maj=11.2km s-min=9.5km az=78.0.
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=113.8.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.9km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.11 $M_{\theta\theta}$-1.51 $M_{\phi\phi}$1.40 $M_{r\theta}$-0.23 $M_{\theta\phi}$1.15 $M_{\theta r}$-0.24 NP1:ϕ_s244.54000°,δ85.92000°,λ9.87000°. NP2:ϕ_s153.83000°,δ80.15000° ,λ175.86000°. Principal axes: T 1.8566,Plg10.0000°,Azm110.0000°; N 0.0668,Plg79.0000° ,Azm267.0000°; P -1.9234,Plg4.0000°,Azm19.0000° $M_0$1.89000×10^{17}
NEIC Event type se.
IPGP Moment Tensor Solution. NP1:ϕ_s242.00000°,δ63.00000°,λ-18.00000°. NP2:ϕ_s340.00000° ,δ74.00000°,λ-152.00000°.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$1.66 $M_{r\theta}$-0.18 $M_{\theta\phi}$1.49 $M_{\theta r}$0.17 NP1: ϕ_s156.93631°,δ86.65146°,λ-173.69709°. NP2:ϕ_s66.56667°,δ83.70790°,λ-3.36886°. Principal axes: T 2.2595,Plg2.0743°,Azm291.6281°; N -0.1652,Plg82.8660°,Azm184.8072° ; P -2.0943,Plg6.8228°,Azm21.8764° $M_0$2.18158×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108041757A. Moment Tensor Solution. s123,c234; s152,c303;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.44±.03 $M_{\theta\theta}$-1.52±.03; $M_{\phi\phi}$1.96±.03; $M_{r\theta}$-0.50±.07; $M_{\theta\phi}$2.02±.03; $M_{\theta r}$0.09±.06; Best double couple: NP1: ϕ_s160.00000°,δ79.00000°,λ-172.00000°. NP2:ϕ_s69.00000°,δ82.00000°,λ-11.00000°. Principal axes: T 2.8910,Plg2.0000°,Azm115.0000°; N -0.3340,Plg77.0000°,Azm214.0000° ; P -2.5610,Plg13.0000°,Azm24.0000° $M_0$2.72600×10^{17}
NDI Event type se. Error ellipse: s-maj=16.8km s-min=17.6km az=-1.0. Presumed earthquake.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39 $M_{\theta\theta}$-1.54 $M_{\phi\phi}$1.92 $M_{r\theta}$-0.56 $M_{\theta\phi}$1.74 $M_{\theta r}$-0.45 NP1:ϕ_s157.26000°,δ74.47000° ,λ179.43000°. NP2:ϕ_s247.41000°,δ89.45000°,λ15.53000°. Principal axes:
T 2.7765,Plg11.0000°,Azm113.0000°; N -0.4492,Plg74.0000°,Azm249.0000° ; P -2.3273,Plg11.0000°,Azm21.0000° $M_0$2.58000×10^{17}

ISC	**VIII**	**04 18 00 56.0–.70**	**9.0N–.10**	**94.20E–.07**	**22**	**4.3b**	**40**	**5-146**
IDC	VIII	04 18 00 52.9–1.1	8.95N	94.06E	0	4.1b,4.1		**¶620997320**
NEIC	VIII	04 18 00 53.2–2.4	8.9N–.10	94.2E–.10	10–2	4.6b,4.1		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**04 22 20 21.2–1.6**	**8.4N–.40**	**94.1E–.50**	**22**	**3.8b**	**6**	**40-78**
IDC	VIII	04 22 20 17.6–1.7	8.38N	94.02E	0	3.8b,3.8		**¶620997333**

ISC Event type se.
IDC Error ellipse: s-maj=94.7km s-min=29.6km az=55.0.

ISC	**VIII**	**05 11 14 09.4–.63**	**8.6N–.10**	**94.03E–.09**	**22**	**4.0b,3.4s**	**41**	**6-152**
IDC	VIII	05 11 14 06.4–.94	8.70N	93.92E	0	3.8b,3.8		**¶620998803**
NEIC	VIII	05 11 14 09.0–1.2	8.7N–.10	94.1E–.10	11–5	4.5b,3.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**05 12 46 01.3–.58**	**8.80N–.04**	**93.91E–.04**	**25–3**	**5.2b,4.4s**	**727**	**4-161**
IDC	VIII	05 12 45 56.6–.40	8.70N	93.93E	0	4.8b,4.8		**¶620970285**
MOS	VIII	05 12 45 57.2–1.0	8.84N	93.89E	10	5.2b,4.5s		
BJI	VIII	05 12 45 58.8	8.47N	93.85E	40	5.3b,5.1b		
GFZ	VIII	05 12 45 59.7	8.79N	93.82E	12	5.1W,5.1b		
GFZ	VIII	05 12 45 60.0–.16	9N–3.0	94E–3.0	10	5.1b,5.0		
BKK	VIII	05 12 46 00.9–.90	9N–4.0	94E–8.0	10	5.1b,5.1L		
NEIC	VIII	05 12 46 01.1–2.0	8.81N–.06	94.00E–.07	20–2	5.3b,5.1		
GCMT	VIII	05 12 46 02.9–.20	8.73N–.01	94.05E–.01	15–0	5.1W,5.1		
BGR	VIII	05 12 46 03.6	9.08N	93.91E	33	4.9b,5.1		
DJA	VIII	05 12 46 07.5–.50	9N–2.0	95E–6.0	97–7	5.5b,5.1		
NDI	VIII	05 12 46 14.0–3.2	9.49N	93.68E	78–33	5.1b,5.1		

ISC Event type ke.
IDC Error ellipse: s-maj=12.7km s-min=11.1km az=83.0.
MOS Error ellipse: s-maj=7.1km s-min=4.1km az=108.4.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.10 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$3.47 $M_{r\theta}$1.63 $M_{\theta\phi}$0.45 $M_{\theta r}$-3.51 NP1: ϕ_s207.33465°,δ25.66011°,λ-49.37641°. NP2:ϕ_s343.75309°,δ70.81178°,λ-107.36910°. Principal axes: T 5.0063,Plg23.8889°,Azm87.1013°; N 0.1996,Plg16.3761°,Azm349.6228° ; P -5.2059,Plg60.4328°,Azm228.4258° $M_0$5.10906×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.4km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108051246A. Moment Tensor Solution. s58,c78; s132,c212; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.18±.15 $M_{\theta\theta}$-2.01±.10; $M_{\phi\phi}$5.20±.12; $M_{r\theta}$-2.93±.41; $M_{\theta\phi}$2.83±.09; $M_{\theta r}$-0.70±.29; Best double couple: NP1:ϕ_s164.00000°,δ50.00000° ,λ-149.00000°. NP2:ϕ_s53.00000°,δ67.00000°,λ-44.00000°. Principal axes: T 6.4710,Plg10.0000°,Azm112.0000°; N -0.7180,Plg41.0000°,Azm211.0000° ; P -5.7430,Plg47.0000°,Azm11.0000° $M_0$6.10700×10^{16}
BGR Event type ke.
NDI Event type se. Error ellipse: s-maj=22.2km s-min=15.4km az=-1.0. Presumed earthquake.

IDC	**VIII**	**05 12 59 09.7–7.6**	**8.22N**	**92.33E**	**0**	**3.7b,3.7**		**¶620998808**

IDC Error ellipse: s-maj=378.8km s-min=23.8km az=59.0.

ISC	**VIII**	**05 13 43 21.3–.85**	**8.7N–.10**	**94.0E–.10**	**22**	**4.2b,3.4s**	**25**	**5-74**
IDC	VIII	05 13 43 16.2–11	8.51N	94.09E	0	4.1L,4.0b		**¶620998812**
NEIC	VIII	05 13 43 19.8–1.4	8.74N–.08	94.0E–.20	10–1	4.4b,4.0b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**06 03 49 26.2–.46**	**8.91N–.06**	**94.12E–.08**	**22**	**4.0b,3.6s**	**102**	**4-148**
BKK	VIII	06 03 49 22.3–4.4	9N–12	94E–37	10	5.2b,4.6		**¶620998853**
DJA	VIII	06 03 49 23.3–.70	9N–2.0	94E–8.0	10	5.6b,5.1		
NEIC	VIII	06 03 49 24.4–2.1	8.9N–.10	94.1E–.10	10–1	4.6b,5.1		
IDC	VIII	06 03 49 24.2–.68	8.97N	93.59E	0	4.0,3.9b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=19.8km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=16.9km az=72.0.

ISC	**VIII**	**05 14 50 22.5–1.4**	**9.0N–.20**	**93.4E–.20**	**23**	**3.5b**	**9**	**11-78**
IDC	VIII	05 14 50 19.1–1.4	9.01N	93.44E	0	3.6b,3.6		**¶620998817**

ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=21.6km az=63.0.

ISC	**VIII**	**06 09 20 44.4–.84**	**8.7N–.10**	**93.8E–.10**	**22**	**3.9b**	**34**	**6-145**
NEIC	VIII	06 09 20 42.6–1.3	8.7N–.10	93.7E–.10	10–2	4.1b		**¶620998879**
IDC	VIII	06 09 20 43.8–1.2	8.74N	93.16E	0	3.9b,3.9		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=17.6km az=237.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.4km s-min=26.2km az=73.0.

ISC	**VIII**	**10 01 34 01.1–.88**	**8.6N–.20**	**93.9E–.20**	**22**	**4.1b**	**25**	**6-149**
IDC	VIII	10 01 33 57.1–1.8	8.54N	93.86E	0	3.8b,3.8		**¶621008087**
NEIC	VIII	10 01 34 00.7–1.1	8.7N–.10	94.0E–.10	10–1	4.3b,3.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**06 08 19 06.0–.26**	**8.78N–.04**	**93.90E–.05**	**22**	**4.9b,4.2s**	**403**	**4-161**
BJI	VIII	06 08 19 01.2	8.49N	93.63E	19	5.3s,5.1b		**¶620970725**
IDC	VIII	06 08 19 01.9–.34	8.74N	93.94E	0	4.6b,4.6		
NEIC	VIII	06 08 19 04.8–1.6	8.76N–.06	93.96E–.09	10–1	5.1b,4.6		
BKK	VIII	06 08 19 05.1–.30	9N–4.0	94E–5.0	10	5.6,5.5		
GFZ	VIII	06 08 19 07.3–.37	9N–3.0	94E–4.0	29–2	5.3,4.9b		
DJA	VIII	06 08 19 07.0–.40	9N–3.0	94E–5.0	10	5.7,5.6b		
GCMT	VIII	06 08 19 08.0–.30	8.84N–.04	94.00E–.02	15–1	4.8W,5.6b		
NDI	VIII	06 08 19 09.1–3.4	8.22N	93.48E	185–20	4.6L,5.6b		
BGR	VIII	06 08 19 13.1	9.50N	93.11E	33	5.0s,4.9b		

ISC Event type ke.
IDC Error ellipse: s-maj=11.1km s-min=9.3km az=59.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.5km az=255.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=8.3km s-min=6.7km az=53.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108060819A. Moment Tensor Solution. s16,c16; s84,c105; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.21±.20 $M_{\theta\theta}$0.21±.10; $M_{\phi\phi}$2.00±.13; $M_{r\theta}$0.15±.27; $M_{\theta\phi}$0.62±.07; $M_{\theta r}$0.18±.19; Best double couple: NP1:ϕ_s15.00000°,δ42.00000° ,λ-93.00000°. NP2:ϕ_s200.00000°,δ48.00000°,λ-87.00000°. Principal axes: T 2.2050,Plg3.0000°,Azm288.0000°; N 0.0180,Plg2.0000°,Azm18.0000° ; P -2.2240,Plg86.0000°,Azm146.0000° $M_0$2.21500×10^{16}
NDI Event type se. Error ellipse: s-maj=23.8km s-min=16.5km az=-1.0. Presumed earthquake.
BGR Event type ke.

ISC	**VIII**	**08 02 16 51.2–1.9**	**7.7N–.20**	**94.5E–.30**	**24**	**3.8b**	**6**	**7-80**
IDC	VIII	08 02 16 48.0–1.8	7.77N	94.58E	0	4.7L,3.7		**¶621002106**

ISC Event type se.
IDC Error ellipse: s-maj=60.2km s-min=20.3km az=66.0.

ISC	**VIII**	**06 15 58 53.0–.64**	**6.55N–.07**	**94.44E–.10**	**64**	**3.8b**	**43**	**2-147**
IDC	VIII	06 15 58 44.9–.84	6.64N	94.47E	0	4.0L,3.8b		**¶620998909**
NEIC	VIII	06 15 58 47.5–2.5	6.60N–.09	94.5E–.10	10–2	4.2b,3.8b		
DJA	VIII	06 15 58 56.4–1.0	6N–5.0	94E–10	69–17	5.2b,4.6		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**07 20 43 58.4–1.8**	**9.7N–.20**	**92.6E–.20**	**10**	**3.4b**	**13**	**6-67**
IDC	VIII	07 20 43 57.5–1.9	9.78N	92.88E	0	3.7L,3.4b		**¶621000738**
BKK	VIII	07 20 44 12.9–3.3	10N–8.0	94E–28	10	4.6b,4.0L		

ISC Event type se.

ISC VIII 07 21 17 14.9–1.0 8.9N–.10 94.1E–.10 22 3.4b 17 4-78
BKK VIII 07 21 17 09.7–6.3 9N–17 94E–52 10 4.2b,4.2b **¶621000741**
IDC VIII 07 21 17 12.0–1.2 8.96N 94.08E 0 3.4b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=22.0km az=60.0.
IDC VIII 15 14 09 21.9–12 6.26N 93.80E 234–109 3.5,2.8b
¶621023617
IDC Error ellipse: s-maj=123.1km s-min=20.5km az=63.0.
IDC VIII 23 12 37 50.1–2.6 7.27N 94.96E 0 3.5b,3.5
¶621049237
IDC Error ellipse: s-maj=155.6km s-min=26.5km az=61.0.
ISC IX 04 18 27 23.8–.94 9.0N–.10 93.9E–.10 22 3.4b 24 5-87
IDC IX 04 18 27 20.2–1.2 8.99N 93.90E 0 3.6b,3.6 **¶621081648**
BKK IX 04 18 27 26.6–3.0 9N–9.0 94E–25 10 4.5b,4.3L
ISC Event type se.
ISC IX 21 18 14 55.5–.32 9.79N–.04 93.66E–.04 35 4.6b,3.6s 305 2-146
BJI IX 21 18 14 49.5 9.34N 93.47E 31 4.8b,4.6b **¶621094412**
BKK IX 21 18 14 52.6–.90 10N–5.0 94E–7.0 10 4.8,4.8
NEIC IX 21 18 14 55.2–1.7 9.76N–.07 93.70E–.07 33–4 4.7b,4.8
GFZ IX 21 18 14 56.2–.27 10N–2.0 94E–3.0 37–2 5.2b,4.8b
IDC IX 21 18 14 56.9–2.4 9.81N 93.66E 50–22 4.2,4.1L
DJA IX 21 18 14 58.2–.40 10N–2.0 94E–4.0 51–5 5.1b,4.9b
NDI IX 21 18 15 00.3–3.8 10.39N 93.59E 20–16 4.7b,4.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=10.1km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=7.0km s-min=3.8km az=51.5. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=17.7km s-min=12.7km az=57.0.
NDI Event type se. Error ellipse: s-maj=15.1km s-min=15.0km az=-1.0. Presumed earthquake.
IDC IX 10 13 29 15.9–10 7.31N 93.98E 0 3.9L,3.9b
¶621108520
IDC Error ellipse: s-maj=246.9km s-min=28.8km az=87.0.
ISC X 03 11 27 32.5–11 8.3N–.40 94.4E–.80 10 3.5b,3.5s 9 4-78
IDC X 03 11 27 27.9–1.2 8.42N 93.86E 0 3.9L,3.5b **¶621186128**
BKK X 03 11 27 41.9–3.0 9N–10 95E–25 10 4.2b,4.2b
ISC Event type se.
ISC IX 24 15 04 16.0–.35 8.55N–.03 94.04E–.03 16–1 5.2b,4.9s 1152 3-168
BJI IX 24 15 04 11.7 8.51N 93.78E 8 5.4s,5.3b **¶621109741**
IDC IX 24 15 04 12.6–.36 8.57N 93.95E 0 4.7b,4.7
MOS IX 24 15 04 13.4–1.3 8.55N 93.94E 16 5.5b,4.8s
NEIC IX 24 15 04 15.3–2.4 8.63N–.07 94.18E–.08 10–1 5.4,5.4b
BKK IX 24 15 04 16.2–.80 9N–3.0 94E–8.0 10 5.5L,5.5b
GFZ IX 24 15 04 16.9 8.54N 93.90E 28 5.4W,5.5b
GFZ IX 24 15 04 16.9–.34 9N–2.0 94E–2.0 27–2 5.7b,5.3
NDI IX 24 15 04 16.2–3.9 8.68N 94.04E 11–22 5.2b,5.3
DJA IX 24 15 04 17.3–.70 9N–1.0 94E–2.0 11–5 5.7b,5.7b
GCMT IX 24 15 04 17.8–.10 8.61N–.01 94.13E–.01 14–0 5.3W,5.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01 $M_{\theta\theta}$0.05 $M_{\phi\phi}$0.96 $M_{r\theta}$-0.67 $M_{\theta\phi}$0.54 $M_{\phi r}$-0.45 NP1:
ϕ_s185.14320°,δ32.16994°,λ-123.97101°. NP2:ϕ_s43.66217°,δ63.79674°,λ-70.63500°.
Principal axes: T 1.4189,Plg16.6377°,Azm119.4974°; N -0.0679,Plg17.3080°,Azm214.8406°
; P -1.3510,Plg65.6126°,Azm348.2623° $M_0$1.38624×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NDI Event type se. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109241504A. Moment Tensor Solution. s99,c149; s136,c271;Duration: 1ŝ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32±.02 $M_{\theta\theta}$-0.31±.02; $M_{\phi\phi}$0.63±.02; $M_{r\theta}$-0.19±.04; $M_{\theta\phi}$1.23±.02; $M_{\phi r}$0.10±.04; Best double couple: NP1:
ϕ_s170.00000°,δ80.00000°,λ-171.00000°. NP2:ϕ_s79.00000°,δ81.00000°,λ-10.00000°.
Principal axes: T 1.4770,Plg1.0000°,Azm125.0000°; N -0.2660,Plg76.0000°,Azm218.0000°
; P -1.2120,Plg14.0000°,Azm34.0000° $M_0$1.34400×10^{17}
IDC IX 26 18 48 30.9–2.1 9.47N 92.39E 0 3.5L,3.5b
¶621131528
IDC Error ellipse: s-maj=55.9km s-min=24.9km az=75.0.
ISC XII 23 22 39 06.4–.61 7.11N–.04 92.55E–.04 9–3 4.9b,4.3s 661 3-159
BKK XII 23 22 39 03.4–2.1 7N–6.0 92E–19 10 5.5L,5.3b **¶621650671**
BJI XII 23 22 39 04.6 7.02N 92.42E 10 5.1b,4.6b
MOS XII 23 22 39 04.3–.93 7.06N 92.56E 11 5.1b,4.6b
IDC XII 23 22 39 04.6–.42 7.06N 92.55E 0 4.5L,4.4b
NEIC XII 23 22 39 06.7–1.5 7.13N–.07 92.54E–.07 10–1 5.2b,4.9
GFZ XII 23 22 39 07.7–.20 7N–3.0 93E–3.0 10 5.2b,4.8b
GCMT XII 23 22 39 10.0–.20 7.07N–.02 92.52E–.01 13–1 4.9W,4.8b
DJA XII 23 22 39 10.0–1.0 7N–2.0 93E–3.0 20–7 5.3b,5.3
BGR XII 23 22 39 18.6 9.10N 92.48E 33 4.7b,5.3
ISC Event type ke.
MOS Error ellipse: s-maj=7.7km s-min=4.3km az=114.6.
IDC Error ellipse: s-maj=13.7km s-min=9.3km az=39.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.7km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112232239A. Moment Tensor Solution. s27,c37; s101,c152; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.75±.13 $M_{\theta\theta}$-1.63±.08; $M_{\phi\phi}$3.37±.10;
$M_{r\theta}$0.83±.25; $M_{\theta\phi}$-0.76±.07; $M_{\phi r}$-0.02±.17; Best double couple: NP1:ϕ_s207.00000°,δ59.00000°
,λ-34.00000°. NP2:ϕ_s317.00000°,δ61.00000°,λ-144.00000°. Principal axes:
T 3.4870,Plg2.0000°,Azm81.0000°; N -0.9340,Plg45.0000°,Azm350.0000°
; P -2.5640,Plg45.0000°,Azm173.0000° $M_0$3.02600×10^{16}
BGR Event type ke.
ISC XII 23 08 56 15.3–.67 6.47N–.06 95.54E–.08 239 4.2b 70 1-65
IDC XII 23 08 56 08.8–5.0 6.09N 94.85E 195–31 4.3,3.9b **¶621686817**
DJA XII 23 08 56 10.0–1.8 7N–7.0 95E–14 285–13 4.3,4.3
NEIC XII 23 08 56 14.9–1.3 6.47N–.09 95.5E–.10 224–9 4.3b,4.3
BKK XII 23 08 56 16.2–3.3 7N–7.0 96E–24 244–25 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 29 11 28 57.8–10 8.07N 95.79E 331–100 3.5,2.7b
¶621626968
IDC Error ellipse: s-maj=121.7km s-min=18.0km az=55.0.
ISC XI 07 23 58 28.8–.80 9.86N–.05 93.77E–.05 40–7 4.8b,3.6s 447 2-161
BJI XI 07 23 58 20.4 9.62N 93.44E 10 4.7b,3.6s **¶621372494**
IDC XI 07 23 58 22.9–.44 9.85N 93.62E 0 4.5b,4.4
NEIC XI 07 23 58 24.7–2.0 9.87N–.06 93.67E–.08 10–1 4.9b,4.4
GFZ XI 07 23 58 25.8–.16 10N–4.0 94E–4.0 10 5.5b,5.0
BKK XI 07 23 58 26.2–1.1 10N–5.0 94E–5.0 20–10 5.5b,5.4b
NDI XI 07 23 58 26.1–3.1 9.79N 93.80E 20–59 3.0L,2.8W
DJA XI 07 23 58 30.7–.40 10N–2.0 94E–5.0 77–9 5.4b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NDI Event type se. Presumed earthquake.
ISC XI 24 03 15 11.0–.75 7.10N–.05 93.95E–.05 70–7 4.6b 179 2-150
BKK XI 24 03 15 09.0–3.7 7N–18 94E–27 10 5.0b,4.8b **¶621452741**
NEIC XI 24 03 15 10.7–1.6 7.2N–.10 94.0E–.10 53–6 4.7b,4.8b
IDC XI 24 03 15 10.9–2.7 7.07N 93.94E 69–24 4.3,3.9b
GFZ XI 24 03 15 11.8–.37 7N–4.0 94E–3.0 79–4 5.5b,4.9
DJA XI 24 03 15 12.1–.50 7N–5.0 94E–5.0 113–10 5.4b,4.8
NDI XI 24 03 15 27.4–1.9 8.14N 93.15E 106–668 3.5L,4.8
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=18.8km s-min=10.1km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.3km s-min=13.3km az=56.0.
GFZ Error ellipse: s-maj=9.1km s-min=4.7km az=32.3. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NDI Event type se. Error ellipse: s-maj=52.7km s-min=202.5km az=-1.0. Presumed earthquake.
ISC XII 27 04 30 28.3–.60 7.15N–.05 93.73E–.06 50 4.0b 60 2-78
IDC XII 27 04 30 28.7–4.7 6.96N 93.73E 60–41 3.9,3.6L **¶621717286**
NEIC XII 27 04 30 28.5–.83 7.06N–.05 93.8E–.10 45–10 4.3b,3.6L
DJA XII 27 04 30 32.0–.70 7N–12 94E–11 93–18 5.1b,4.4
BKK XII 27 04 30 33.4–1.5 7N–12 94E–7.0 10 4.0L,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 07 06 15.8–.33 8.31N–.04 93.93E–.04 22 4.6b,3.5s 209 3-145
NEIC XII 28 07 06 17.9–2.2 8.40N–.04 93.94E–.07 33–4 4.7b,3.5s **¶621654337**
GFZ XII 28 07 06 17.2–.48 8N–3.0 94E–3.0 39–5 5.9,5.8
BKK XII 28 07 06 18.4–2.3 8N–10 94E–19 10 5.6,5.5
IDC XII 28 07 06 18.8–2.2 8.31N 93.94E 45–21 4.3,4.0b
DJA XII 28 07 06 22.1–1.6 8N–3.0 94E–7.0 19–18 5.2b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC XII 29 09 15 06.6–1.0 8.5N–.10 94.3E–.20 100 3.6b 19 7-91
IDC XII 29 09 15 05.5–4.4 8.44N 94.26E 88–37 3.8,3.5b **¶621724197**
ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=17.0km az=65.0.
ISC XII 29 00 00 59.9–.38 9.79N–.04 93.39E–.04 97–3 4.7b 465 2-161
GFZ XII 29 00 00 50.3–.24 9N–4.0 93E–4.0 10 5.4b,5.1b **¶621656481**
DJA XII 29 00 00 57.9–.50 10N–2.0 93E–6.0 10 5.4b,5.0
BJI XII 29 00 00 58.0 9.58N 93.30E 113 5.0b,4.5b
IDC XII 29 00 00 59.7–.48 9.72N 93.34E 98–3 4.4,4.1b
BKK XII 29 00 00 59.5–.80 10N–4.0 94E–7.0 10 5.1b,5.0b
NEIC XII 29 00 01 00.7–2.0 9.86N–.04 93.44E–.06 92–4 5.0b,5.0b
GCMT XII 29 00 01 00.3–.40 9.83N–.03 93.44E–.03 80–5 4.7W,5.0b
NDI XII 29 00 01 04.8–1.7 10.23N 93.16E 92–19 4.6W,5.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=12.7km s-min=7.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.7km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112290001A. Moment Tensor Solution. s15,c15; s69,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.65±.10 $M_{\theta\theta}$-1.18±.08; $M_{\phi\phi}$0.52±.10;
$M_{r\theta}$-0.33±.06; $M_{\theta\phi}$-0.64±.09; $M_{\phi r}$-0.92±.05; Best double couple: NP1:ϕ_s108.00000°
,δ45.00000°,λ155.00000°. NP2:ϕ_s216.00000°,δ73.00000°,λ48.00000°. Principal axes:
T 1.5210,Plg45.0000°,Azm84.0000°; N 0.0560,Plg40.0000°,Azm231.0000°
; P -1.5800,Plg17.0000°,Azm336.0000° $M_0$1.55000×10^{16}
NDI Event type se. Error ellipse: s-maj=31.8km s-min=29.1km az=-1.0. Presumed earthquake.

(705) Off west coast of northern Sumatera.

ISC VII 10 00 26 32.7–1.4 0.21N–.06 96.50E–.08 32 3.6b 40 1-61
DJA VII 10 00 26 31.6–1.1 0N–3.0 97E–5.0 24–13 6.0b,5.6 **¶626066423**
IDC VII 10 00 26 39.2–3.4 0.68N 98.48E 0 4.3L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=148.2km s-min=23.7km az=58.0.
ISC VII 10 02 47 40.6–1.7 1.70N–.04 96.88E–.04 4–10 4.3b 76 1-143
NEIC VII 10 02 47 45.7–1.0 1.79N–.08 96.88E–.08 27–6 4.4b **¶620928312**
IDC VII 10 02 47 46.5–4.4 1.21N 97.02E 76–35 4.1,3.8b
DJA VII 10 02 47 47.5–.30 2N–2.0 97E–2.0 10 4.3,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 03 01 09.0–1.1 1.84N–.06 96.89E–.07 28 3.7b 34 1-62
DJA VII 10 03 01 06.3–.50 2N–4.0 97E–4.0 10 3.9,3.9 **¶620928315**
IDC VII 10 03 01 09.4–2.1 2.33N 96.93E 0 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=20.0km az=22.0.
ISC VII 10 07 11 31.2–.73 0.72N–.08 92.80E–.08 10 4.1b 87 5-146
IDC VII 10 07 11 28.9–1.0 0.65N 92.69E 0 4.0L,3.9 **¶620928339**
NEIC VII 10 07 11 30.1–.96 0.67N–.10 92.64E–.04 10–1 4.4b,3.9
DJA VII 10 07 11 33.2–.40 1N–3.0 93E–4.0 10 5.7b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 14 10 58 39.1–1.6 2.6N–.10 96.0E–.10 25 3.7b 17 1-63
IDC VII 14 10 58 35.0–3.1 2.51N 95.97E 0 3.6b,3.6 **¶620928589**
DJA VII 14 10 58 38.8–2.0 3N–14 96E–14 10 3.5,3.5
ISC Event type se.
ISC VII 14 11 15 32.0–1.2 2.6N–.10 95.8E–.10 25 3.6b 17 2-63
IDC VII 14 11 15 27.6–1.6 2.36N 95.69E 0 3.7b,3.6 **¶620928591**
DJA VII 14 11 15 29.9–1.4 3N–10 96E–10 10 3.5,3.5
ISC Event type se.
ISC VII 20 03 34 27.0–1.5 1.33N–.05 96.96E–.05 14–9 4.1b,3.3s 75 1-99
IDC VII 20 03 34 24.0–1.2 1.19N 97.02E 0 4.7L,3.9b **¶620961571**
DJA VII 20 03 34 26.0–.70 1N–4.0 97E–4.0 19–5 3.9,3.9
NEIC VII 20 03 34 27.1–1.3 1.37N–.07 96.96E–.03 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VII 21 17 04 43.0–3.5 1.04N 96.84E 0 4.5L,3.6b
¶620961674
IDC Error ellipse: s-maj=123.1km s-min=31.3km az=60.0.
ISC VII 23 11 15 06.1–.62 0.11N–.05 96.60E–.07 32 4.0b 71 1-145
IDC VII 23 11 15 01.6–1.3 0.04S 96.42E 0 3.8b,3.8 **¶620967911**
NEIC VII 23 11 15 03.1–1.0 0.06N–.05 96.60E–.08 10–1 4.4b,3.8
DJA VII 23 11 15 04.3–.40 0N–3.0 97E–3.0 10 5.6b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 24 21 42 16.9–.48 0.10N–.04 96.61E–.05 10 4.2b,3.2s 168 1-145
IDC VII 24 21 42 15.2–.90 0.05S 96.46E 0 4.0b,4.0 **¶620845803**
DJA VII 24 21 42 17.0–.50 0N–2.0 97E–3.0 27–7 5.5b,5.0
NEIC VII 24 21 42 18.4–1.2 0.11N–.06 96.64E–.06 18–5 4.4b,5.0
GFZ VII 24 21 42 18.2–2.5 0N–3.0 97E–4.0 20–21 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 26 02 32 20.8–.68 2.4N–.10 95.20E–.09 18 4.2b 26 3-63
IDC VIII 26 02 32 17.8–8.9 2.38N 95.65E 0 4.1b,4.1 **¶621058970**
NEIC VIII 26 02 32 20.5–.65 2.4N–.10 95.19E–.09 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 18 09 58 40.8–1.1 2.55N–.04 95.81E–.06 10 4.0b 67 2-52
DJA VIII 18 09 58 41.8–.50 3N–2.0 96E–3.0 13–4 6.3b,6.0 **¶626188771**
ISC Event type se.
ISC VIII 24 17 18 40.0–.33 0.28N–.04 96.49E–.04 20 4.7b,3.9s 337 1-145
BJI VIII 24 17 18 34.9 0.07S 96.39E 10 4.9b,4.7b **¶621002185**
IDC VIII 24 17 18 36.7–.53 0.16N 96.34E 0 4.5b,4.4
NEIC VIII 24 17 18 38.8–1.6 0.29N–.05 96.50E–.06 10–1 4.8b,4.4
GFZ VIII 24 17 18 38.8–.19 0N–3.0 96E–2.0 10 4.8b,4.8
DJA VIII 24 17 18 41.8–.70 0N–3.0 97E–4.0 38–28 5.5b,5.2b
BKK VIII 24 17 18 47.1–1.1 1N–9.0 97E–5.0 10 4.8L,4.7b

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VIII**	**21 22 34 00.4–1.3**	**2.58N–.05**	**95.80E–.06**	**23–8**	**4.5b**	**183**	**2-143**
IDC	VIII	21 22 33 57.5–.98	2.67N	95.89E	0	4.3L,4.2b		¶620999418
DJA	VIII	21 22 33 59.1–.30	3N–1.0	96E–3.0	10	4.7b,4.5		
NEIC	VIII	21 22 34 00.9–1.3	2.64N–.04	95.8E–.10	25–6	4.4b,4.5		
GFZ	VIII	21 22 34 01.1–.56	3N–4.0	96E–4.0	25–3	4.6b,4.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC	**VIII**	**21 23 15 54.3–1.2**	**0.4N–.10**	**96.6E–.10**	**10**	**3.6b**	**18**	**1-58**
IDC	VIII	21 23 15 52.8–2.6	0.30N	96.67E	0	4.0L,3.5b		¶621043029
NEIC	VIII	21 23 15 55.4–1.1	0.44N–.06	96.60E–.10	10–1	4.1b,3.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VIII**	**27 13 08 29.2–1.3**	**0.21N–.08**	**96.63E–.07**	**10**	**3.4b**	**26**	**1-54**
IDC	VIII	27 13 08 26.7–3.0	0.03S	96.48E	0	3.5b,3.5		¶621072152
DJA	VIII	27 13 08 29.7–1.4	0N–5.0	97E–4.0	12–9	3.7,3.7		

ISC Event type se.

IDC	**IX**	**12 13 04 47.9–2.7**	**2.94N**	**95.96E**	**0**	**3.6b,3.6**		
								¶621109654

IDC Error ellipse: s-maj=90.6km s-min=30.3km az=61.0.

ISC	**X**	**02 18 40 55.9–.61**	**2.57N–.06**	**95.68E–.06**	**10**	**4.4b,3.7s**	**141**	**1-81**
BJI	X	02 18 40 52.0	2.27N	95.86E	10	4.8b,4.6b		¶621117001
IDC	X	02 18 40 55.2–1.1	2.63N	95.79E	0	4.1b,4.1		
NEIC	X	02 18 40 55.7–1.7	2.53N–.07	95.69E–.09	10–1	4.4b,4.1		
DJA	X	02 18 40 57.1–.90	3N–2.0	96E–5.0	12–5	5.4b,4.9		
BKK	X	02 18 40 58.3–1.8	3N–8.0	96E–17	10	4.4,4.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**IX**	**20 15 49 41.1–1.9**	**1.27N**	**92.30E**	**0**	**3.4L,3.4b**		
								¶621115998

IDC Error ellipse: s-maj=33.6km s-min=27.2km az=27.0.

ISC	**IX**	**14 20 13 55.8–.25**	**2.91N–.03**	**95.40E–.03**	**27–1**	**5.4b,5.2s**	**1749**	**2-173**
MOS	IX	14 20 13 53.6–.96	2.93N	95.45E	22	5.8b,5.1s		¶621073496
BJI	IX	14 20 13 53.5	2.96N	95.43E	21	5.9b,5.7s		
BGR	IX	14 20 13 54.3	2.16N	95.59E	25–0	5.4b,5.0s		
NEIC	IX	14 20 13 54.5	2.94N	95.38E	15	5.4b,5.0s		
NEIC	IX	14 20 13 55.4	2.44N	95.19E	20	5.3,5.0s		
NEIC	IX	14 20 13 55.5–1.5	2.93N–.06	95.39E–.06	22–1	5.6b,5.4		
DJA	IX	14 20 13 55.2–.40	3N–1.0	95E–2.0	16–2	6.0,6.0b		
NEIC	IX	14 20 13 55	2.94N	95.39E	19	6.0,6.0b		
GFZ	IX	14 20 13 55.9	2.90N	95.43E	25	5.3W,6.0b		
IDC	IX	14 20 13 56.9–.85	2.96N	95.41E	29–5	5.1s,5.0		
GFZ	IX	14 20 13 56.5–.11	3N–2.0	95E–2.0	24–0	5.9b,5.6L		
GCMT	IX	14 20 13 56.5–.20	2.59N–.02	95.29E–.02	33–0	5.4W,5.6L		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.49 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-0.16 $M_{r\theta}$0.86 $M_{\theta\phi}$0.27 $M_{\phi r}$-0.42 NP1:ϕ_s316.84000°,δ14.68000° ,λ109.31000°. NP2:ϕ_s116.93000°,δ76.16000°,λ85.05000°. Principal axes: T 1.0747,Plg59.0000°,Azm20.0000°; N 0.0187,Plg5.0000°,Azm118.0000° ; P -1.0933,Plg31.0000°,Azm211.0000° $M_0$1.08000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.26 $M_{r\theta}$0.89 $M_{\theta\phi}$0.48 $M_{\phi r}$-0.46 NP1:ϕ_s305.65000°,δ22.76000°,λ96.42000°. NP2:ϕ_s118.69000°,δ67.39000° ,λ87.32000°. Principal axes: T 1.4011,Plg68.0000°,Azm24.0000°; N 0.0314,Plg2.0000° ,Azm120.0000°; P -1.4326,Plg22.0000°,Azm211.0000° $M_0$1.42000×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.37 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.10 $M_{r\theta}$1.01 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.35 NP1: ϕ_s109.82097°,δ80.00611°,λ83.62472°. NP2:ϕ_s322.59534°,δ11.83675°,λ122.21638°. Principal axes: T 1.1279,Plg54.5661°,Azm12.0375°; N 0.0325,Plg6.2782°,Azm110.9318° ; P -1.1604,Plg34.7054°,Azm205.3016° $M_0$1.14451×10^{17}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109142013A. Moment Tensor Solution. s75,c107; s103,c158;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.03 $M_{\theta\theta}$-0.69±.02; $M_{\phi\phi}$-0.51±.03; $M_{r\theta}$0.67±.03; $M_{\theta\phi}$0.54±.01; $M_{\phi r}$-0.61±.03; Best double couple: NP1: ϕ_s309.00000°,δ26.00000°,λ88.00000°. NP2:ϕ_s131.00000°,δ64.00000°,λ91.00000°. Principal axes: T 1.5130,Plg71.0000°,Azm44.0000°; N -0.0550,Plg1.0000°,Azm311.0000° ; P -1.4530,Plg19.0000°,Azm221.0000° $M_0$1.48300×10^{17}

IDC	**IX**	**26 12 07 16.7–3.0**	**2.95N**	**95.77E**	**0**	**4.2L,3.5b**		
								¶621131510

IDC Error ellipse: s-maj=98.4km s-min=30.9km az=63.0.

ISC	**IX**	**22 17 30 13.1–.73**	**2.81N–.04**	**95.55E–.04**	**32–4**	**4.7b,4.3s**	**180**	**2-88**
NEIC	IX	22 17 30 10.9–1.6	2.85N–.07	95.48E–.09	10–1	4.5b,4.3s		¶621105941
BKK	IX	22 17 30 13.8–1.4	3N–6.0	96E–13	10	4.7L,4.7b		
DJA	IX	22 17 30 13.1–.40	3N–3.0	96E–3.0	57–24	4.8b,4.4b		
IDC	IX	22 17 30 15.9–3.5	2.89N	95.66E	46–31	4.3,4.2s		
GFZ	IX	22 17 30 16.8–.28	3N–3.0	96E–4.0	78	5.4b,4.9		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**X**	**03 23 52 48.7–1.2**	**2.53N–.07**	**95.77E–.09**	**25**	**3.9b**	**37**	**1-62**
IDC	X	03 23 52 42.6–9.3	2.19N	96.15E	0	4.4L,3.9b		¶621186154
DJA	X	03 23 52 47.0–1.1	3N–4.0	96E–7.0	12–5	3.7,3.7		

ISC Event type se.

ISC	**X**	**25 14 39 12.2–1.0**	**2.78N–.05**	**95.43E–.05**	**25–7**	**4.7b,3.8s**	**290**	**1-143**
BJI	X	25 14 39 07.6	2.76N	95.49E	7	5.1b,4.8b		¶621239118
IDC	X	25 14 39 08.2–.72	2.72N	95.37E	0	4.4b,4.4		
BKK	X	25 14 39 08.0–2.3	3N–9.0	95E–21	10	4.7b,4.7b		
DJA	X	25 14 39 10.3–.60	3N–3.0	95E–6.0	10	5.0b,4.8b		
NEIC	X	25 14 39 10.6–1.1	2.79N–.06	95.40E–.09	10–1	4.6b,4.8b		
GFZ	X	25 14 39 10.3–.28	3N–3.0	95E–4.0	10	5.2b,4.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

IDC	**X**	**14 16 19 57.5–16**	**0.05N**	**96.94E**	**0**	**3.9L,3.7b**		
								¶621240644

IDC Error ellipse: s-maj=421.9km s-min=115.4km az=124.0.

ISC	**X**	**30 12 29 40.8–.65**	**0.03N–.05**	**96.80E–.07**	**22**	**4.2b**	**78**	**1-145**
IDC	X	30 12 29 37.8–.90	0.13S	96.72E	0	3.9b,3.9		¶621395174
NEIC	X	30 12 29 39.7–.89	0.03N–.07	96.9E–.10	10–1	4.3b,3.9		
DJA	X	30 12 29 40.7–1.2	0N–6.0	97E–7.0	34–30	4.3,4.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**25 23 31 50.7–.64**	**3.48N–.06**	**93.60E–.07**	**19**	**4.2b**	**90**	**2-81**
DJA	X	25 23 31 38.7–2.2	4N–5.0	93E–18	47–71	5.3b,4.8b		¶621366449
IDC	X	25 23 31 49.1–1.0	3.58N	93.70E	0	4.2,4.1b		
NEIC	X	25 23 31 50.4–1.2	3.53N–.08	93.57E–.06	10–1	4.3b,4.1b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DJA	**XI**	**01 17 33 19.7–1.5**	**0N–3.0**	**97E–5.0**	**11–9**	**5.8b,5.3**		
								¶626704979
DJA	**X**	**30 20 39 16.6–.70**	**3N–3.0**	**96E–5.0**	**33–10**	**4.1b,3.8**		
								¶626704909
ISC	**X**	**30 20 42 42.2–1.1**	**2.52N–.06**	**95.87E–.07**	**25**	**3.4b**	**30**	**0-63**
IDC	X	30 20 42 39.3–5.2	2.45N	96.21E	0	3.3b,3.3		¶621395198
DJA	X	30 20 42 42.3–.70	2N–3.0	96E–4.0	30–8	3.4,3.4		

ISC Event type se.

ISC	**XI**	**01 18 20 25.6–1.1**	**0.29N–.05**	**96.72E–.08**	**20**	**3.7b**	**56**	**1-54**
IDC	XI	01 18 20 22.5–2.9	0.14N	96.56E	0	3.7b,3.6		¶621401284
DJA	XI	01 18 20 24.0–.90	0N–2.0	97E–3.0	18–8	5.3b,4.7b		

ISC Event type se.

ISC	**XI**	**01 20 10 54.4–.47**	**0.28N–.05**	**96.67E–.06**	**20**	**4.3b,3.8s**	**143**	**1-145**
IDC	XI	01 20 10 50.8–.69	0.09N	96.45E	0	4.1b,4.0		¶621252398
DJA	XI	01 20 10 52.4–1.5	0N–2.0	97E–3.0	14–11	5.2b,4.9b		
NEIC	XI	01 20 10 53.9–2.1	0.31N–.06	96.7E–.10	10–1	4.4b,4.9b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**01 18 32 22.3–1.3**	**0.27N–.06**	**96.71E–.09**	**20**	**3.7b**	**49**	**1-54**
DJA	XI	01 18 32 19.9–.40	0N–2.0	97E–3.0	10	4.6b,4.1		¶621401287
IDC	XI	01 18 32 20.4–15	0.26N	96.55E	0	3.7s,3.6L		

ISC Event type se.
IDC Error ellipse: s-maj=402.9km s-min=113.4km az=123.0.

ISC	**XI**	**01 18 36 32.0–1.4**	**0.2N–.20**	**96.7E–.40**	**32**	**3.7b**	**8**	**18-145**
IDC	XI	01 18 36 27.0–1.3	0.11N	96.57E	0	3.7b,3.7		¶621401288

ISC Event type se.
IDC Error ellipse: s-maj=66.0km s-min=20.0km az=64.0.

ISC	**XI**	**01 20 53 47.6–1.2**	**0.25N–.06**	**96.66E–.09**	**10**	**3.5b**	**59**	**1-54**
DJA	XI	01 20 53 47.6–1.4	0N–2.0	97E–3.0	15–10	4.9b,4.6b		¶621401304
IDC	XI	01 20 53 51.6–6.9	1.07N	98.02E	0	3.6b,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=342.8km s-min=25.3km az=55.0.

ISC	**XI**	**01 18 37 59.3–.38**	**0.23N–.05**	**96.75E–.05**	**10**	**4.6b,3.8s**	**291**	**1-145**
BJI	XI	01 18 37 54.1	0.29S	96.77E	10	5.1b,4.5b		¶621252388
IDC	XI	01 18 37 58.0–.54	0.19N	96.61E	0	4.3b,4.3		
DJA	XI	01 18 37 58.5–1.0	0N–2.0	97E–3.0	10–7	5.4b,4.8b		
GFZ	XI	01 18 37 59.8–.24	0N–3.0	97E–3.0	10	5.4b,4.8		
NEIC	XI	01 18 37 59.9–1.5	0.25N–.09	96.7E–.10	10–1	4.6b,4.8		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**01 18 38 07.9–.97**	**0.2N–.10**	**96.7E–.10**	**10**	**4.6b**	**41**	**1-85**
IDC	XI	01 18 38 06.5–7.1	0.01S	96.38E	0	4.4b,4.4		¶621401291
NEIC	XI	01 18 38 08.5–2.0	0.22N–.05	96.7E–.10	10–1	4.7b,4.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**02 01 09 55.1–.53**	**0.17N–.05**	**96.71E–.06**	**10**	**4.2b,3.5s**	**129**	**1-145**
IDC	XI	02 01 09 53.1–.80	0.02S	96.64E	0	4.0L,4.0b		¶621401314
DJA	XI	02 01 09 53.5–1.2	0N–2.0	97E–3.0	12–10	5.7b,5.2		
NEIC	XI	02 01 09 56.4–1.6	0.23N–.05	96.85E–.04	10–1	4.4b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**01 19 20 53.5–1.3**	**0.26N–.05**	**96.67E–.09**	**10**	**3.4b**	**40**	**1-54**
DJA	XI	01 19 20 52.8–1.4	0N–3.0	97E–5.0	10–9	5.0b,4.8b		¶621401296
IDC	XI	01 19 20 56.4–7.0	0.96N	97.79E	0	3.5b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=346.1km s-min=25.1km az=56.0.

DJA	**XI**	**01 19 31 45.3–1.3**	**0N–3.0**	**97E–4.0**	**12–10**	**5.4b,4.8b**		
								¶626704975

ISC	**XI**	**01 19 33 12.1–1.2**	**0.26N–.07**	**96.7E–.10**	**20**	**3.5b**	**41**	**1-145**
IDC	XI	01 19 33 08.7–2.9	0.07N	96.49E	0	3.9L,3.7b		¶621401297
DJA	XI	01 19 33 08.9–.50	0N–3.0	97E–5.0	10	5.0b,4.6b		

ISC Event type se.

ISC	**XI**	**01 21 12 34.6–.76**	**0.26N–.06**	**96.67E–.08**	**10**	**3.8b**	**80**	**1-145**
IDC	XI	01 21 12 33.1–1.0	0.18N	96.61E	0	3.8b,3.7		¶621401306
DJA	XI	01 21 12 33.7–1.6	0N–3.0	97E–4.0	13–12	5.6,5.4		
NEIC	XI	01 21 12 34.8–.78	0.21N–.09	96.7E–.10	9–4	4.0b,5.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC	**XI**	**01 21 30 15.5–9.5**	**0.17N**	**96.75E**	**0**	**3.4b,3.4**		
								¶621401307

IDC Error ellipse: s-maj=452.1km s-min=26.2km az=55.0.

ISC	**XI**	**01 21 38 49.6–.51**	**0.22N–.05**	**96.69E–.06**	**10**	**4.2b**	**117**	**1-145**
IDC	XI	01 21 38 47.7–.99	0.09N	96.53E	0	4.0b,4.0		¶621401309
DJA	XI	01 21 38 48.8–1.7	0N–3.0	97E–4.0	14–13	5.2b,5.1b		
NEIC	XI	01 21 38 50.8–2.2	0.26N–.06	96.75E–.08	10–1	4.2b,5.1b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**01 21 47 34.5–.74**	**0.28N–.05**	**96.73E–.05**	**13–4**	**4.7b,3.5s**	**287**	**1-158**
BJI	XI	01 21 47 28.8	0.22S	96.72E	10	4.9b,4.6b		¶621252407
DJA	XI	01 21 47 32.7–.30	0N–2.0	97E–4.0	10	5.4b,4.9		
IDC	XI	01 21 47 32.4–.50	0.20N	96.61E	0	4.4b,4.3		
NEIC	XI	01 21 47 34.5–2.0	0.30N–.06	96.73E–.06	10–1	4.7b,4.3		
GFZ	XI	01 21 47 35.1–.27	0N–4.0	97E–3.0	10	5.3b,4.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**01 17 04 17.1–.30**	**0.17N–.02**	**96.69E–.02**	**18–1**	**5.8b,5.7s**	**2520**	**1-175**
BJI	XI	01 17 04 11.2	0.20S	96.63E	10	6.1s,6.0b		¶621246756
IDC	XI	01 17 04 13.9–.28	0.22N	96.72E	0	5.4b,5.4		
MOS	XI	01 17 04 14.7–.90	0.25N	96.70E	12	5.9b,5.5s		
DJA	XI	01 17 04 15.9–.10	0N–1.0	97E–1.0	10	6.4,6.2b		
ISC-P	XI	01 17 04 16	0.21N	96.71E	16–0	6.2,6.2b		
GFZ	XI	01 17 04 16.6	0.20N	96.68E	11	5.8W,6.2b		
NEIC	XI	01 17 04 16.6–2.0	0.21N–.06	96.71E–.07	8–1	5.8,5.8b		
NEIC	XI	01 17 04 16.8	0.20N	96.71E	10	5.8,5.8b		
IPGP	XI	01 17 04 16.0	0.21N	96.74E	8	6.0W,5.8b		
BGR	XI	01 17 04 17.4	0.32N	96.23E	10	5.6b,5.4s		
NEIC	XI	01 17 04 17.1	0.23N	96.75E	11	5.6b,5.4s		
GFZ	XI	01 17 04 17.0–.20	0N–3.0	97E–3.0	10	6.2b,6.0L		
PTWC	XI	01 17 04 19	0.20N	96.70E	47	6.1,6.0L		
GCMT	XI	01 17 04 19.8–.00	0.25N	96.67E	12	5.9W,6.0L		
NEIC	XI	01 17 04 23.2	0.33N	96.55E	18	6.0,6.0L		

ISC Event type ke.
IDC Error ellipse: s-maj=7.7km s-min=5.7km az=61.0.
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=110.2.
ISC-P Moment Tensor Solution. s50 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.49±.11 $M_{\theta\theta}$0.01±.22; $M_{\phi\phi}$0.58±.16; $M_{r\theta}$0.29±.18; $M_{\theta\phi}$-0.08±.24; $M_{\phi r}$-0.35±.15; NP1:ϕ_s311.70000°,δ58.70000° ,λ240.80000°. NP2:ϕ_s178.80000°,δ41.80000°,λ-51.20000°. $M_0$2.95000×10^{18}
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-6.35 $M_{\theta\theta}$6.08 $M_{r\theta}$0.98 $M_{\theta\phi}$-1.04 $M_{\phi r}$-2.30 NP1: ϕ_s174.85654°,δ34.62172°,λ-82.21766°. NP2:ϕ_s345.42705°,δ55.74182°,λ-95.34100°. Principal axes: T 6.7195,Plg10.5939°,Azm79.2665°; N 0.1261,Plg4.4124°,Azm348.4396° ; P -6.8456,Plg78.5043°,Azm236.1423° $M_0$6.78343×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.0km az=252.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.48 $M_{\theta\theta}$0.37 $M_{\phi\phi}$5.11 $M_{r\theta}$2.61 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.45 NP1:ϕ_s339.41000°,δ51.34000°,λ-116.89000°. NP2:ϕ_s198.47000°,δ45.86000° ,λ-60.52000°. Principal axes: T 5.1369,Plg3.0000°,Azm88.0000°; N 1.3564,Plg21.0000° ,Azm357.0000°; P -6.4933,Plg69.0000°,Azm186.0000° $M_0$5.93000×10^{17}
NEIC Event type se.

IPGP Moment Tensor Solution. NP1:ϕ_s330.00000°,δ43.00000°,λ-115.00000°. NP2:ϕ_s182.00000°,δ52.00000°,λ-69.00000°.
BGR Event type ke.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202111011704A. Moment Tensor Solution. s144,c332; s162,c596;Duration: 2$s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.79±.00 $M_{\theta\theta}$-0.03±.00; $M_{\phi\phi}$0.81±.00; $M_{r\theta}$0.35±.01; $M_{\theta\phi}$-0.20±.00; $M_{\phi r}$0.16±.01; Best double couple: NP1:ϕ_s327.00000°,δ46.00000°,λ-122.00000°. NP2:ϕ_s189.00000°,δ52.00000°,λ-61.00000°. Principal axes: T 0.8670,Plg3.0000°,Azm259.0000°; N 0.0880,Plg23.0000°,Azm350.0000° ; P -0.9550,Plg67.0000°,Azm161.0000° $M_0$0.91100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4$s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.94 $M_{\theta\theta}$0.04 $M_{\phi\phi}$0.90 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.11 $M_{\phi r}$0.46 NP1:ϕ_s335.27000°,δ36.23000°,λ-124.94000°. NP2:ϕ_s196.16000°,δ61.02000°,λ-67.24000°. Principal axes: T 1.0096,Plg13.0000°,Azm270.0000°; N 0.2090,Plg20.0000°,Azm5.0000° ; P -1.2186,Plg66.0000°,Azm148.0000° $M_0$1.13000×10^{18}

ISC	**XI**	**02 10 04 07.7–.79**	**0.23N–.04**	**96.68E–.04**	**11–4**	**4.8b,3.8s**	**445**	**1-158**
IDC	XI	02 10 04 06.1–.44	0.18N	96.52E	0	4.5b,4.5		¶621252715
DJA	XI	02 10 04 07.2–.30	0N–2.0	97E–3.0	10	5.7b,5.2		
NEIC	XI	02 10 04 08.0–.95	0.28N–.06	96.70E–.06	10–1	4.7b,5.2		
GFZ	XI	02 10 04 08.0–.17	0N–3.0	97E–3.0	10	5.2b,4.8b		
GCMT	XI	02 10 04 10.8–.30	0.35N–.03	96.56E–.02	12	4.8W,4.8b		
BKK	XI	02 10 04 10.8–1.1	0N–7.0	97E–11	10	4.6b,4.6L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111021004A. Moment Tensor Solution. s19,c22; s90,c125; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.63±.05 $M_{\theta\theta}$0.24±.05; $M_{\phi\phi}$1.39±.05; $M_{r\theta}$1.75±.20; $M_{\theta\phi}$-0.53±.04; $M_{\phi r}$0.42±.19; Best double couple: NP1:ϕ_s179.00000°,δ43.00000°,λ-43.00000°. NP2:ϕ_s302.00000°,δ62.00000°,λ-125.00000°. Principal axes: T 1.6460,Plg11.0000°,Azm57.0000°; N 1.1300,Plg30.0000°,Azm320.0000° ; P -2.7740,Plg58.0000°,Azm164.0000° $M_0$2.21000×10^{16}

DJA	**XI**	**02 05 03 25.4–.60**	**0N–4.0**	**97E–5.0**	**10**	**5.7b,5.2**		**¶626705008**
ISC	**XI**	**02 10 50 52.4–.74**	**0.20N–.06**	**96.63E–.08**	**10**	**4.2b**	**67**	**1-145**
IDC	XI	02 10 50 51.2–1.2	0.10N	96.55E	0	3.9b,3.8		¶621401338
DJA	XI	02 10 50 51.8–1.3	0N–3.0	97E–5.0	12–9	4.5b,4.2		
NEIC	XI	02 10 50 53.0–1.0	0.17N–.03	96.71E–.10	10–1	4.2b,4.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**02 11 23 27.8–1.3**	**0.32N–.06**	**96.70E–.09**	**20**	**3.6b**	**35**	**1-61**
IDC	XI	02 11 23 24.7–2.2	0.25N	96.72E	0	3.9L,3.6b		¶621401340
DJA	XI	02 11 23 25.9–1.4	0N–3.0	97E–4.0	13–10	3.8b,3.7		

ISC Event type se.

ISC	**XI**	**02 18 00 49.2–.58**	**0.19N–.04**	**96.71E–.06**	**32**	**4.1b**	**99**	**1-145**
IDC	XI	02 18 00 44.0–.90	0.00S	96.51E	0	3.9b,3.8		¶621254078
DJA	XI	02 18 00 45.9–.50	0N–3.0	97E–4.0	10	5.1b,4.5		
NEIC	XI	02 18 00 46.8–1.3	0.15N–.06	96.73E–.09	10–1	4.3b,4.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**02 14 59 16.6–.40**	**0.17N–.05**	**96.66E–.05**	**10**	**4.4b,3.3s**	**232**	**1-158**
IDC	XI	02 14 59 15.3–.53	0.17N	96.50E	0	4.2b,4.2		¶621254059
GFZ	XI	02 14 59 16.5–.26	0N–3.0	97E–3.0	10	5.5b,5.0		
NEIC	XI	02 14 59 16.8–1.1	0.17N–.09	96.7E–.10	10–1	4.5b,5.0		
DJA	XI	02 14 59 16.6–1.0	0N–2.0	97E–3.0	11–7	5.5b,5.0		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**02 13 39 15.7–.30**	**0.20N–.04**	**96.67E–.04**	**10**	**4.8b,4.0s**	**439**	**1-158**
BJI	XI	02 13 39 09.4	0.43S	96.47E	10	5.1b,4.7s		¶621254048
IDC	XI	02 13 39 14.1–.44	0.19N	96.51E	0	4.6b,4.6		
BKK	XI	02 13 39 14.8–1.5	0S–14	97E–10	10	4.8b,4.8		
DJA	XI	02 13 39 15.6–.90	0N–1.0	97E–2.0	19–8	5.4b,5.2		
NEIC	XI	02 13 39 16.7–1.7	0.27N–.05	96.63E–.05	10–1	5.0b,4.9		
GFZ	XI	02 13 39 16.6–.22	0N–4.0	97E–3.0	10	5.1b,4.7b		
GCMT	XI	02 13 39 18.5–.20	0.33N–.02	96.63E–.01	12	4.9W,4.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111021339A. Moment Tensor Solution. s37,c41; s88,c130; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.46±.06 $M_{\theta\theta}$0.38±.05; $M_{\phi\phi}$2.08±.05; $M_{r\theta}$1.71±.21; $M_{\theta\phi}$-0.72±.05; $M_{\phi r}$-0.27±.17; Best double couple: NP1:ϕ_s178.00000°,δ39.00000°,λ-53.00000°. NP2:ϕ_s314.00000°,δ60.00000°,λ-116.00000°. Principal axes: T 2.5190,Plg12.0000°,Azm62.0000°; N 0.7470,Plg22.0000°,Azm328.0000° ; P -3.2630,Plg65.0000°,Azm178.0000° $M_0$2.89100×10^{16}

ISC	**XI**	**02 22 42 11.3–1.1**	**0.18N–.06**	**96.70E–.09**	**32**	**3.6b**	**54**	**1-54**
IDC	XI	02 22 42 04.5–1.8	0.37S	96.39E	0	3.6b,3.6		¶621401366
DJA	XI	02 22 42 08.0–.40	0N–3.0	97E–4.0	10	5.3b,4.7		

ISC Event type se.

DJA	**XI**	**02 19 03 43.8–.50**	**0N–3.0**	**97E–4.0**	**10**	**3.6,3.6**		**¶626704999**
ISC	**XI**	**02 19 07 27.1–1.5**	**0.19N–.07**	**96.6E–.10**	**32**	**3.7b**	**45**	**1-54**
DJA	XI	02 19 07 22.9–.60	0N–4.0	97E–6.0	10	4.4b,4.0		¶621401355
IDC	XI	02 19 07 30.9–14	1.35N	97.86E	0	3.6b,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=777.2km s-min=32.4km az=57.0.

ISC	**XI**	**02 15 06 24.0–.66**	**0.26N–.05**	**96.64E–.06**	**20**	**4.2b**	**83**	**1-88**
IDC	XI	02 15 06 20.1–1.4	0.02N	96.21E	0	3.9b,3.8		¶621401347
DJA	XI	02 15 06 22.9–1.6	0N–3.0	97E–4.0	26–18	4.8b,4.4b		
NEIC	XI	02 15 06 23.3–1.1	0.34N–.09	96.58E–.07	10–1	4.3b,4.4b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**02 15 39 46.1–1.0**	**0.15N–.05**	**96.71E–.08**	**10**	**3.8b**	**38**	**1-61**
IDC	XI	02 15 39 44.8–1.6	0.12N	96.68E	0	3.7L,3.7b		¶621401348
DJA	XI	02 15 39 46.1–.60	0N–3.0	97E–5.0	10	3.7,3.7		

ISC Event type se.

ISC	**XI**	**03 00 28 41.0–.55**	**0.17N–.05**	**96.63E–.06**	**10**	**4.2b**	**93**	**1-147**
IDC	XI	03 00 28 39.2–.85	0.07N	96.50E	0	4.1b,4.0		¶621412205
DJA	XI	03 00 28 39.9–.70	0N–3.0	97E–6.0	10	4.3,4.3		
NEIC	XI	03 00 28 41.5–1.8	0.14N–.07	96.69E–.07	10–1	4.3b,4.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**02 14 47 47.4–.81**	**0.19N–.04**	**96.67E–.04**	**9–4**	**4.9b,3.8s**	**403**	**1-158**
BJI	XI	02 14 47 40.7	0.52S	96.40E	10	4.9b,4.7b		¶621254054
IDC	XI	02 14 47 45.9–.42	0.15N	96.52E	0	4.7b,4.6		
DJA	XI	02 14 47 47.7–.20	0N–2.0	97E–2.0	10	5.4b,5.4		
NEIC	XI	02 14 47 48.0–2.0	0.15N–.05	96.69E–.04	10–1	4.9b,5.4		
GFZ	XI	02 14 47 49.2–.26	0N–4.0	97E–3.0	10	5.2,4.9b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**03 01 30 23.5–.40**	**0.27N–.05**	**96.66E–.06**	**20**	**4.6b,3.5s**	**194**	**1-145**
BJI	XI	03 01 30 16.8	0.28S	96.58E	10	4.6b,3.5s		¶621255790
IDC	XI	03 01 30 20.1–.58	0.19N	96.53E	0	4.3b,4.3		
NEIC	XI	03 01 30 21.9–1.5	0.22N–.05	96.67E–.06	10–1	4.7b,4.3		
GFZ	XI	03 01 30 22.8–.43	0N–7.0	97E–6.0	10	6.0b,5.7		
DJA	XI	03 01 30 22.2–.50	0N–3.0	97E–5.0	10	5.6b,5.2		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.

ISC	**XI**	**02 19 56 57.3–2.1**	**0.10N–.04**	**96.71E–.06**	**7–12**	**4.5b,3.4s**	**248**	**1-145**
GFZ	XI	02 19 56 57.6–.25	0S–3.0	97E–3.0	10	5.2b,4.6		¶621255762
NEIC	XI	02 19 56 57.8–1.8	0.13N–.05	96.73E–.05	10–1	4.4b,4.6		
IDC	XI	02 19 56 57.2–.69	0.15N	96.53E	0	4.1b,4.1		
DJA	XI	02 19 56 57.6–.30	0N–2.0	97E–3.0	10	5.0b,5.0b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**03 11 06 32.7–1.1**	**0.28N–.06**	**96.63E–.08**	**20**	**3.8b**	**61**	**1-61**
DJA	XI	03 11 06 31.4–.30	0N–2.0	97E–3.0	10	6.3b,6.0		¶621412241
IDC	XI	03 11 06 54.0–6.6	1.30N	98.31E	169–38	3.5,3.1b		

ISC Event type se.
IDC Error ellipse: s-maj=149.1km s-min=19.5km az=56.0.

ISC	**XI**	**02 20 08 10.3–.52**	**0.23N–.04**	**96.69E–.06**	**32**	**4.2b,2.8s**	**127**	**1-145**
IDC	XI	02 20 08 05.8–.78	0.12N	96.43E	0	3.9b,3.9		¶621401361
DJA	XI	02 20 08 07.0–1.5	0N–3.0	97E–4.0	11–11	4.8b,4.8b		
NEIC	XI	02 20 08 08.2–1.4	0.29N–.02	96.65E–.08	10–1	4.4b,4.8b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DJA	**XI**	**03 05 39 49.8–1.2**	**0N–3.0**	**97E–4.0**	**15–8**	**6.7b,6.5**		**¶626705030**
ISC	**XI**	**03 06 03 54.2–3.1**	**0.31N–.06**	**96.80E–.08**	**34–5**	**3.5b**	**51**	**1-61**
IDC	XI	03 06 03 53.1–7.0	0.87N	97.72E	0	3.6b,3.6		¶621412220
DJA	XI	03 06 03 54.0–.60	0N–2.0	97E–3.0	29–7	5.8b,5.3		

ISC Event type se.

ISC	**XI**	**03 05 09 33.2–3.4**	**0.26N–.05**	**96.61E–.07**	**11–21**	**4.0b**	**128**	**1-83**
IDC	XI	03 05 09 31.2–.95	0.15N	96.49E	0	4.1L,3.9b		¶621412218
NEIC	XI	03 05 09 33.4–.89	0.22N–.05	96.6E–.10	10–1	4.4b,3.9b		
DJA	XI	03 05 09 34.7–.60	0N–2.0	97E–3.0	17–7	6.1b,5.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**05 23 02 25.8–1.8**	**0.28N–.05**	**96.81E–.06**	**17–11**	**4.2b**	**62**	**1-61**
IDC	XI	05 23 02 24.4–2.7	0.08N	96.68E	0	4.3L,3.6b		¶621414000
NEIC	XI	05 23 02 25.5–1.0	0.21N–.09	96.86E–.06	10–1	4.3b,3.6b		
DJA	XI	05 23 02 27.2–1.1	0N–4.0	97E–5.0	27–11	3.7,3.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**04 08 08 31.2–2.1**	**0.34N–.05**	**96.71E–.06**	**10–12**	**4.2b**	**79**	**1-83**
IDC	XI	04 08 08 29.8–1.1	0.24N	96.56E	0	4.0b,3.9		¶621412283
DJA	XI	04 08 08 31.4–.40	0N–2.0	97E–3.0	10	6.2b,5.8		
NEIC	XI	04 08 08 32.5–1.3	0.38N–.06	96.75E–.06	10–1	4.5b,5.8		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**05 11 45 55.0–.81**	**0.32N–.06**	**96.80E–.08**	**10**	**4.1b**	**37**	**1-145**
IDC	XI	05 11 45 52.3–.97	0.07N	96.62E	0	4.0L,3.9b		¶621413972
DJA	XI	05 11 45 55.3–2.8	0N–5.0	97E–12	15–18	6.7b,6.5		

ISC Event type se.

ISC	**XI**	**05 11 50 02.9–1.2**	**0.3N–.10**	**96.9E–.20**	**23**	**3.9b**	**10**	**3-145**
IDC	XI	05 11 49 59.6–2.6	0.33N	96.94E	0	3.8b,3.7L		¶621413973

ISC Event type se.
IDC Error ellipse: s-maj=107.3km s-min=18.9km az=61.0.

ISC	**XI**	**04 03 31 57.4–1.3**	**0.27N–.07**	**96.69E–.09**	**20**	**3.7b**	**22**	**1-61**
DJA	XI	04 03 31 55.8–.60	0N–4.0	97E–5.0	10	3.7,3.7		¶621412273
IDC	XI	04 03 32 00.6–7.3	1.33N	98.25E	0	3.7b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=367.8km s-min=25.1km az=56.0.

ISC	**XI**	**06 17 51 02.7–1.4**	**0.2N–.10**	**96.9E–.20**	**35**	**3.5b**	**8**	**3-61**
IDC	XI	06 17 50 57.0–1.5	0.11N	96.70E	0	3.5b,3.4		¶621415995

ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=21.5km az=79.0.

ISC	**XI**	**07 11 02 33.1–1.6**	**0.5N–.20**	**95.7E–.20**	**35**	**3.4b**	**7**	**4-54**
IDC	XI	07 11 02 27.6–1.6	0.43N	95.54E	0	3.5b,3.5		¶621416033

ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=24.0km az=68.0.

ISC	**XI**	**10 14 25 16.7–.81**	**1.95N–.04**	**96.70E–.04**	**24–5**	**4.7b,3.9s**	**241**	**1-99**
IDC	XI	10 14 25 12.9–.71	1.91N	96.57E	0	4.8L,4.4b		¶621391507
BJI	XI	10 14 25 13.4	1.86N	96.83E	18	4.9b,4.7b		
BKK	XI	10 14 25 15.6–1.5	2N–8.0	97E–14	10	5.1b,4.9b		
NEIC	XI	10 14 25 17.6–.94	1.94N–.05	96.70E–.07	28–2	4.7b,4.9b		
DJA	XI	10 14 25 17.0–.50	2N–2.0	97E–4.0	23–6	5.2b,5.0b		
GFZ	XI	10 14 25 19.0–.53	2N–4.0	97E–4.0	26–3	6.5b,6.3		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**10 07 18 15.6–.54**	**0.27N–.05**	**96.64E–.07**	**10**	**4.3b,3.2s**	**85**	**1-145**
IDC	XI	10 07 18 13.8–.69	0.21N	96.53E	0	4.1b,4.1		¶621440052
DJA	XI	10 07 18 15.6–1.6	0N–5.0	97E–6.0	11–11	4.7b,4.4		
NEIC	XI	10 07 18 16.1–1.2	0.25N–.07	96.58E–.07	10–5	4.5b,4.4		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**08 11 07 42.5–1.2**	**0.35N–.07**	**96.66E–.10**	**10**	**3.5b**	**23**	**1-61**
DJA	XI	08 11 07 42.0–.80	0N–5.0	97E–7.0	10	3.8,3.8		¶621423094
IDC	XI	08 11 07 46.0–6.8	1.27N	97.95E	0	3.5b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=338.5km s-min=25.4km az=56.0.

ISC	**XI**	**16 19 39 47.0–1.4**	**0.22N–.08**	**96.6E–.10**	**32**	**3.9b**	**29**	**1-54**
DJA	XI	16 19 39 44.6–2.3	0N–6.0	97E–8.0	16–18	3.7,3.7		¶621475690
IDC	XI	16 19 39 53.4–3.2	0.65N	98.55E	0	3.7b,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=141.0km s-min=21.4km az=58.0.

ISC	**XI**	**11 03 13 12.2–.77**	**0.43N–.07**	**96.73E–.07**	**20**	**4.3b**	**48**	**1-83**
IDC	XI	11 03 13 08.2–1.9	0.23N	96.10E	0	4.6L,4.0b		¶621449502
DJA	XI	11 03 13 10.0–3.0	0N–8.0	97E–11	22–25	4.0,4.0		
NEIC	XI	11 03 13 11.8–1.2	0.6N–.10	96.67E–.10	10–2	4.6b,4.0		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**19 13 57 22.4–2.4**	**0.16N–.06**	**96.76E–.08**	**10–14**	**3.4b**	**36**	**1-61**
DJA	XI	19 13 57 22.1–.50	0N–3.0	97E–4.0	10	3.9b,3.8		¶621590293
IDC	XI	19 13 57 24.5–6.6	0.82N	97.60E	0	3.5b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=332.9km s-min=23.7km az=55.0.

ISC	**XI**	**19 11 16 29.4–.36**	**0.20N–.05**	**96.71E–.04**	**10**	**4.8b,3.7s**	**337**	**1-145**
BJI	XI	19 11 16 23.9	0.32S	96.66E	10	5.1b,4.6b		¶621416440
IDC	XI	19 11 16 27.6–.53	0.14N	96.57E	0	4.6b,4.5		
NEIC	XI	19 11 16 29.7–1.1	0.22N–.06	96.70E–.04	10–1	4.9b,4.5		
DJA	XI	19 11 16 30.1–.60	0N–3.0	97E–6.0	10	5.4b,5.1		
GFZ	XI	19 11 16 30.1–.26	0N–4.0	97E–3.0	10	5.1b,4.8b		
BKK	XI	19 11 16 35.7–1.6	1N–11	97E–10	10	4.7b,4.7L		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XI**	**17 22 25 14.0–1.6**	**0.68N–.06**	**96.89E–.07**	**22–11**	**3.7b,3.2s**	**51**	**1-87**

IDC XI 17 22 25 12.2–2.8 0.85N 97.15E 0 4.5L,3.7 **¶621494236**
DJA XI 17 22 25 13.8–.50 1N–2.0 97E–3.0 25–3 3.5,3.5
ISC Event type se.
ISC XI 19 15 46 26.1–.48 0.16N–.04 96.64E–.05 10 4.3b,3.9s 114 1-145
IDC XI 19 15 46 24.8–.91 0.05N 96.54E 0 4.0b,3.9 **¶621590298**
NEIC XI 19 15 46 26.7–1.9 0.14N–.06 96.59E–.08 10–1 4.4b,3.9
DJA XI 19 15 46 26.4–.30 0N–2.0 97E–3.0 10 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 19 17 13 39.0–1.2 3.5N–.20 92.7E–.20 10 3.6b 9 16-80
IDC XI 19 17 13 37.4–1.3 3.48N 92.72E 0 3.6b,3.5 **¶621590302**
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=22.2km az=54.0.
ISC XI 19 08 29 05.8–1.2 0.18N–.10 96.7E–.10 10 4.1b 21 1-145
IDC XI 19 08 29 04.1–1.3 0.18N 96.64E 0 4.0L,3.9b **¶621590270**
DJA XI 19 08 29 27.2–.40 1N–4.0 98E–3.0 10 3.1,3.1
ISC Event type se.
ISC XI 22 09 01 02.3–.81 0.23N–.06 96.73E–.09 10 4.0b 89 1-145
IDC XI 22 09 01 00.8–1.3 0.12N 96.72E 0 4.2L,3.8b **¶621611898**
DJA XI 22 09 01 01.3–1.5 0N–3.0 97E–4.0 14–11 5.9b,5.5
NEIC XI 22 09 01 03.4–.93 0.20N–.05 96.81E–.10 10–1 4.2b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XI 21 12 02 23.3–.70 0N–5.0 97E–5.0 10 4.9b,4.2
¶626705655
IDC XI 20 18 51 09.9–1.7 2.91N 90.81E 0 3.8L,3.6b
¶621590374
IDC Error ellipse: s-maj=46.7km s-min=19.8km az=24.0.
ISC XI 21 19 36 26.6–1.0 0.34N–.07 96.72E–.09 20 3.5b 25 1-145
IDC XI 21 19 36 24.4–1.5 0.40N 96.84E 0 3.6b,3.5 **¶621608928**
DJA XI 21 19 36 24.6–.60 0N–4.0 97E–4.0 10 4.7b,4.0b
ISC Event type se.
ISC XII 03 09 58 42.1–.74 0.40N–.06 96.71E–.06 20 4.0b 75 1-145
IDC XII 03 09 58 39.8–1.2 0.38N 96.65E 0 3.8L,3.6b **¶621630585**
NEIC XII 03 09 58 41.1–.86 0.45N–.09 96.7E–.10 10–2 4.1b,3.6b
DJA XII 03 09 58 43.2–1.5 0N–4.0 97E–5.0 39–51 5.9b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 22 12 48 17.6–3.8 1.80N 95.32E 0 4.0L,3.9b
¶621611910
IDC Error ellipse: s-maj=102.5km s-min=30.8km az=49.0.
ISC XI 23 15 29 49.7–.68 0.26N–.06 96.66E–.07 20 4.1b 72 1-83
IDC XI 23 15 29 46.2–1.1 0.16N 96.45E 0 3.8b,3.7 **¶621611962**
NEIC XI 23 15 29 48.5–1.3 0.26N–.10 96.6E–.10 10–1 4.3b,3.7
DJA XI 23 15 29 49.5–2.0 0N–4.0 97E–5.0 17–16 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 27 19 45 44.4–1.0 3.95N–.05 95.57E–.07 51 3.4b 35 1-63
IDC XI 27 19 45 37.2–3.6 3.99N 95.53E 0 3.5b,3.5 **¶621625145**
BKK XI 27 19 45 43.3–1.6 4N–5.0 96E–19 10 4.3b,4.0b
DJA XI 27 19 45 44.9–.60 4N–3.0 96E–5.0 30–7 3.5,3.4
ISC Event type se.
ISC XI 22 21 13 53.7–.95 0.35N–.04 96.70E–.04 12–5 4.9b,4.1s 547 1-158
IDC XI 22 21 13 51.5–.41 0.27N 96.60E 0 4.6b,4.6 **¶621448734**
BJI XI 22 21 13 51.0 0.01S 96.66E 22 5.2b,4.9b
NEIC XI 22 21 13 53.5–1.5 0.37N–.06 96.63E–.04 10–1 5.1b,4.8
DJA XI 22 21 13 53.8–.40 0N–2.0 97E–4.0 10 5.5b,5.5b
GFZ XI 22 21 13 54.4–.16 0N–3.0 97E–3.0 10 5.6,5.4
BKK XI 22 21 13 55.3–1.8 0N–6.0 97E–6.0 5–10 5.1,5.0L
GCMT XI 22 21 13 56.0–.20 0.39N–.02 96.67E–.01 12 4.9W,5.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111222113A. Moment Tensor Solution. s64,c82; s118,c185; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.96±.05 $M_{\theta\theta}$0.80±.05; $M_{\phi\phi}$2.16±.05; $M_{r\theta}$1.14±.18; $M_{\theta\phi}$-0.92±.04; $M_{\phi r}$0.91±.16; Best double couple: NP1:ϕ_s315.00000°,δ45.00000°,λ-119.00000°. NP2:ϕ_s174.00000°,δ52.00000°,λ-64.00000°. Principal axes: T 2.6390,Plg4.0000°,Azm246.0000°; N 0.8650,Plg20.0000°,Azm337.0000°; P -3.5030,Plg69.0000°,Azm146.0000° $M_0$3.07100×10^{16}
ISC XI 27 21 06 47.9–1.1 0.14N–.08 96.6E–.10 32 3.8b,3.5s 55 1-66
IDC XI 27 21 06 43.1–2.5 0.01N 96.53E 0 3.8,3.7b **¶621625146**
DJA XI 27 21 06 43.6–1.6 0N–3.0 96E–4.0 12–12 5.2b,4.6
ISC Event type se.
ISC XI 25 15 22 47.1–2.0 0.89N–.05 96.36E–.06 10–12 3.9b 52 1-61
IDC XI 25 15 22 45.3–1.5 0.75N 96.34E 0 3.6b,3.6 **¶621618713**
DJA XI 25 15 22 48.8–.80 1N–3.0 96E–4.0 24–10 5.5b,5.0
ISC Event type se.
ISC XII 04 15 29 35.0–.60 2.88N–.04 95.40E–.04 19–2 4.9b,4.5s 569 1-146
BKK XII 04 15 29 32.8–4.2 3N–4.0 95E–7.0 27–44 5.2L,5.2b **¶621612451**
IDC XII 04 15 29 32.2–.60 2.85N 95.32E 0 4.8L,4.6b
BJI XII 04 15 29 32.0 2.89N 95.41E 12 5.4b,5.0b
NEIC XII 04 15 29 34.0–1.9 2.87N–.06 95.35E–.03 10–1 4.9b,5.0b
GFZ XII 04 15 29 33.8–.14 3N–2.0 95E–2.0 10 5.4b,5.0b
DJA XII 04 15 29 35.7–.40 3N–1.0 95E–2.0 13–3 5.6b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 03 08 45 11.3–.90 0.37N–.06 96.68E–.06 20 5.2s,4.1b 59 1-145
IDC XII 03 08 45 10.8–1.1 0.67N 96.36E 0 5.0s,4.0L **¶621630579**
DJA XII 03 08 45 12.1–1.0 0N–2.0 97E–3.0 31–15 6.0b,5.6
ISC Event type se.
ISC XII 11 00 19 21.7–.51 4.64N–.04 95.00E–.06 48 4.4b,3.7s 109 1-142
IDC XII 11 00 19 14.7–.90 4.64N 94.92E 0 4.2b,4.2 **¶621627335**
DJA XII 11 00 19 19.5–.80 5N–2.0 95E–5.0 15–4 4.3,4.3b
NEIC XII 11 00 19 22.3–.96 4.7N–.10 95.1E–.10 47–9 4.6b,4.3b
BKK XII 11 00 19 24.1–.80 5N–5.0 95E–7.0 60 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 20 19 55 17.6–.61 3.86N–.05 95.96E–.05 50 4.1b 103 0-80
IDC XII 20 19 55 09.2–1.3 3.70N 95.47E 0 4.2L,4.0b **¶621685642**
BKK XII 20 19 55 15.3–1.1 4N–7.0 96E–9.0 10 4.5,4.3
DJA XII 20 19 55 18.8–.50 4N–2.0 96E–3.0 33–8 5.0b,4.5b
NEIC XII 20 19 55 19.1–2.6 3.95N–.07 95.96E–.10 57–8 4.2b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 13 19 26 05.3–.58 0.30N–.05 96.65E–.05 10 4.2b 122 1-145
IDC XII 13 19 26 02.9–.89 0.12N 96.57E 0 4.0b,3.9 **¶621628527**
NEIC XII 13 19 26 05.4–1.8 0.18N–.10 96.68E–.06 10–1 4.3b,3.9
DJA XII 13 19 26 05.5–.30 0N–2.0 97E–3.0 10 5.4b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 21 30 50.9–1.5 3.2N–.20 93.4E–.30 35 3.9b 9 16-81
IDC XII 17 21 30 45.1–1.5 3.06N 93.19E 0 3.8b,3.7L **¶621656955**
ISC Event type se.
IDC Error ellipse: s-maj=55.2km s-min=20.7km az=57.0.
ISC XII 25 13 11 24.4–1.2 0.23N–.07 96.60E–.09 32 3.4b 39 1-54
DJA XII 25 13 11 20.0–.70 0N–5.0 97E–6.0 10 5.5b,5.0 **¶621700155**
IDC XII 25 13 11 20.5–1.4 0.14N 96.64E 0 3.7L,3.4b
ISC Event type se.

IDC Error ellipse: s-maj=28.1km s-min=21.6km az=81.0.
DJA XII 25 00 55 20.2–1.9 0N–4.0 97E–4.0 19–16 4.9b,4.2
¶626707288
ISC XII 27 23 12 07.2–.51 3.03N–.05 93.94E–.05 18 4.2b 108 2-84
IDC XII 27 23 12 04.5–.99 2.88N 93.73E 0 4.0L,4.0b **¶621717346**
NEIC XII 27 23 12 06.7–1.4 3.04N–.08 93.93E–.08 10–1 4.5b,4.0b
DJA XII 27 23 12 09.8–.50 3N–2.0 94E–4.0 10 5.8b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 27 23 46 59.9–.75 3.16N–.05 93.93E–.08 18 4.0b 62 2-134
IDC XII 27 23 46 54.5–1.2 2.65N 93.29E 0 4.2L,3.8b **¶621717348**
NEIC XII 27 23 46 59.1–1.2 3.03N–.07 93.9E–.10 10–1 4.2b,3.8b
DJA XII 27 23 47 02.3–1.0 3N–3.0 94E–9.0 13–13 5.2b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 28 00 12 53.6–1.7 3.28N–.08 94.0E–.10 10 22 2-47
IDC XII 28 00 12 46.9–3.2 2.68N 93.64E 0 4.4L,3.5 **¶621717350**
DJA XII 28 00 12 55.2–1.2 3N–6.0 94E–14 14–18 3.4,3.4
ISC Event type se.
ISC XII 31 13 41 48.8–1.1 0.29N–.06 96.63E–.06 20 3.9b 38 1-81
IDC XII 31 13 41 47.1–2.5 0.38N 96.77E 0 3.7b,3.6 **¶621726062**
DJA XII 31 13 41 48.0–1.5 0N–4.0 97E–4.0 24–15 4.2b,3.9
ISC Event type se.
ISC XII 30 18 31 35.7–.38 0.19N–.04 96.64E–.05 32 4.5b,3.5s 256 1-146
IDC XII 30 18 31 31.0–.69 0.06N 96.46E 0 4.1b,4.1 **¶621657561**
NEIC XII 30 18 31 32.9–1.7 0.19N–.03 96.66E–.08 10–1 4.6b,4.1
DJA XII 30 18 31 34.9–.80 0N–2.0 97E–3.0 25–8 5.3b,4.7
GFZ XII 30 18 31 35.2–.44 0N–3.0 97E–3.0 32–3 5.4b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

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ISC VII 05 17 54 36.0–.77 5.59N–.06 94.46E–.09 46 3.9b 55 1-141
IDC VII 05 17 54 28.0–1.4 5.13N 94.06E 0 4.1L,3.7b **¶620927977**
NEIC VII 05 17 54 36.0–2.5 5.5N–.10 94.3E–.10 44–12 4.1b,3.7b
BKK VII 05 17 54 37.8–8.4 5N–32 95E–62 73–102 4.4b,3.9L
DJA VII 05 17 54 37.0–.80 5N–5.0 95E–5.0 10 3.8,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 09 08 09 34.2–.95 1.95N–.06 99.03E–.07 125–7 3.6b 31 0-53
IDC VII 09 08 09 20.9–5.8 2.26N 99.48E 0 3.6b,3.6 **¶620928242**
DJA VII 09 08 09 35.5–.50 2N–3.0 99E–5.0 108–5 4.4b,3.6
ISC Event type se.
ISC VII 10 02 41 09.8–.31 1.82N–.03 97.02E–.03 23–1 5.3b,5.0s 1274 1-175
BGR VII 10 02 41 04.9 1.35N 98.51E 33 5.2b,5.0s **¶620787257**
MOS VII 10 02 41 06.6–.89 1.85N 97.05E 13 5.6b,4.9s
BJI VII 10 02 41 06.8 1.73N 97.09E 23 5.9b,5.5b
IDC VII 10 02 41 06.3–.34 1.87N 96.96E 0 5.0b,5.0
NEIC VII 10 02 41 09.5–1.8 1.82N–.05 96.98E–.06 17–3 5.4b,5.0
DJA VII 10 02 41 10.1–.30 2N–2.0 97E–2.0 28–2 6.1,6.1
GFZ VII 10 02 41 11.3–.20 2N–2.0 97E–2.0 28–1 5.4,5.3b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VII 10 03 43 51.7–3.8 2.16N 96.62E 0 3.8b,3.8
¶620928319
IDC Error ellipse: s-maj=152.9km s-min=31.2km az=55.0.
DJA VII 13 17 02 10.0–.40 1N–4.0 100E–5.0 196–4 4.2b,3.8
¶626066590
ISC VII 14 11 03 50.2–1.7 2.7N–.10 96.0E–.10 25 3.4b 11 1-63
IDC VII 14 11 03 46.5–4.7 2.74N 96.05E 0 3.4b,3.4 **¶620928590**
DJA VII 14 11 03 48.3–5.0 3N–30 96E–33 10 3.2,3.2
ISC Event type se.
ISC VII 20 13 26 51.6–.65 1.90N–.03 98.96E–.04 123–5 3.9b 89 0-87
NEIC VII 20 13 26 51.8–1.5 1.83N–.08 99.07E–.08 124–8 4.1b **¶620961601**
IDC VII 20 13 26 51.0–2.3 1.82N 99.13E 116–7 3.8,3.6s
DJA VII 20 13 26 53.1–.30 2N–2.0 99E–2.0 107–3 3.6,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 21 06 59 50.0–1.0 4.53N–.02 96.43E–.02 6–7 4.1b,3.5s 88 0-149
BKK VII 21 06 59 49.6–1.0 5N–4.0 96E–12 10 4.8b,4.6L **¶620961638**
DJA VII 21 06 59 50.2–.20 5N–1.0 96E–1.0 10 5.0b,4.6b
NEIC VII 21 06 59 53.7–1.1 4.50N–.03 96.90E–.06 10–1 4.3b,4.6b
IDC VII 21 07 00 00.1–3.0 4.52N 97.07E 66–24 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=3.3km az=242.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.9km s-min=15.2km az=70.0.
ISC VII 21 09 10 20.6–1.1 4.55N–.03 96.37E–.02 13–7 4.2b,3.2s 84 0-82
DJA VII 21 09 10 22.3–.20 5N–1.0 96E–1.0 10 4.4,4.4 **¶620961647**
IDC VII 21 09 10 24.6–4.0 4.59N 96.34E 45–34 4.1,3.9L
NEIC VII 21 09 10 24.7–.76 4.60N–.06 96.34E–.04 39–10 4.3b,3.9L
BKK VII 21 09 10 25.1–1.2 5N–4.0 96E–11 32–13 4.7L,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 21 11 37 35.7–.64 0.40N–.03 99.80E–.04 142–5 3.9b 93 0-84
IDC VII 21 11 37 33.2–2.4 0.24N 99.73E 123–16 3.9,3.6b **¶620961653**
DJA VII 21 11 37 36.3–.30 0N–2.0 100E–2.0 127–3 3.7,3.7
NEIC VII 21 11 37 36.4–1.0 0.4N–.10 99.80E–.09 141–1 4.0b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VII 22 03 20 40.1–.20 1N–2.0 100E–2.0 10 4.1,4.1
¶626066933
ISC VII 29 15 16 49.5–1.3 5.18N–.09 94.6E–.10 43 3.7b 31 1-64
IDC VII 29 15 16 42.9–1.7 5.06N 94.47E 0 3.7L,3.6b **¶620984125**
DJA VII 29 15 16 49.6–1.0 5N–5.0 95E–5.0 14–6 3.7,3.7
ISC Event type se.
ISC VII 27 21 33 49.3–.88 5.08N–.08 95.82E–.08 136–7 3.8b 36 0-47
IDC VII 27 21 33 37.5–1.4 4.64N 96.33E 0 3.9b,3.9 **¶620978986**
DJA VII 27 21 33 47.4–.60 5N–5.0 96E–5.0 136–4 3.8,3.8
ISC Event type se.
ISC VII 24 04 14 47.0–1.2 4.73N–.05 96.12E–.04 10–8 3.6b 34 0-64
IDC VII 24 04 14 43.3–1.8 4.32N 95.64E 0 4.3L,3.7 **¶620970194**
DJA VII 24 04 14 47.9–.20 5N–3.0 96E–2.0 10 4.3,4.3
ISC Event type se.
ISC VIII 03 04 04 33.6–.67 1.30N–.08 98.36E–.06 63 4.0b 21 1-80
IDC VIII 03 04 04 28.6–3.0 1.81N 99.04E 0 4.5L,3.9b **¶620995842**
NEIC VIII 03 04 04 34.1–.95 1.25N–.09 98.32E–.06 61–3 4.2b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 02 13 07 27.0–.83 3.42N–.05 97.30E–.06 90–6 3.7b 41 0-78
BKK VIII 02 13 07 26.6–2.0 3N–3.0 97E–9.0 18–15 4.7b,4.4b **¶620993242**
IDC VIII 02 13 07 26.9–4.6 3.54N 97.36E 86–34 3.7,3.4b
DJA VIII 02 13 07 29.1–.40 3N–3.0 97E–3.0 61–5 3.5,3.5
ISC Event type se.
DJA VIII 06 16 30 57.1–.40 1N–2.0 98E–2.0 31–8 3.6,3.6
¶626187960

IDC VIII 07 12 30 23.8–5.5 0.52N 98.97E 156–34 3.6s,3.5 ¶621000721
IDC Error ellipse: s-maj=105.9km s-min=22.1km az=55.0.
ISC VIII 06 15 29 36.8–1.0 0.61N–.04 98.42E–.04 56–12 3.5b 43 1-62
DJA VIII 06 15 29 34.9–.60 1N–2.0 98E–2.0 13–5 4.0,4.0 **¶620998907**
IDC VIII 06 15 29 38.0–5.1 0.68N 98.90E 67–36 4.0L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=83.4km s-min=19.6km az=58.0.
ISC VIII 08 02 02 12.7–.93 3.09N–.05 96.09E–.05 50–8 4.5b,3.2s 196 1-143
GFZ VIII 08 02 02 07.2–.24 3N–3.0 96E–3.0 10 4.9b,4.9 **¶620976268**
DJA VIII 08 02 02 12.8–.30 3N–2.0 96E–4.0 44–5 5.5b,5.0b
BKK VIII 08 02 02 13.0–1.6 3N–5.0 96E–17 50 4.6,4.6
NEIC VIII 08 02 02 14.1–1.2 3.13N–.06 96.2E–.10 53–4 4.5b,4.6
IDC VIII 08 02 02 15.2–3.9 3.24N 96.28E 66–32 4.3L,4.2
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.2km az=77.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.9km s-min=12.3km az=62.0.
ISC VIII 09 14 05 36.2–1.1 0.03N–.07 97.0E–.10 10 4.1b 19 1-61
NEIC VIII 09 14 05 37.0–1.8 0.03N–.06 97.06E–.08 10–1 4.3b **¶621007267**
IDC VIII 09 14 05 40.3–3.0 0.74N 97.54E 0 3.8b,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.0km az=234.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=130.4km s-min=22.6km az=58.0.
ISC VIII 11 05 19 05.4–.56 1.35N–.02 99.32E–.02 13–3 4.7b,4.1s 337 0-147
IDC VIII 11 05 19 01.7–.54 1.16N 99.26E 0 4.4L,4.4b **¶620980016**
NEIC VIII 11 05 19 05.2–1.8 1.29N–.07 99.33E–.05 10–1 4.8b,4.4b
DJA VIII 11 05 19 06.1–.10 1N–1.0 99E–1.0 10 5.5,5.5b
GFZ VIII 11 05 19 06.2 1.37N 99.30E 10 4.7W,5.5b
GFZ VIII 11 05 19 06.2–.25 1N–5.0 99E–4.0 10 4.8b,4.8
BKK VIII 11 05 19 07.3–1.5 2N–4.0 99E–3.0 7–11 6.5,5.6L
GCMT VIII 11 05 19 09.3–.30 1.48N–.02 99.40E–.02 28–1 4.9W,5.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.18 $M_{\theta\theta}$-0.90 $M_{\phi\phi}$1.07 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.73 $M_{\phi r}$-0.04 NP1: ϕ_s153.23975°,δ87.84583°,λ179.72334°. NP2:ϕ_s243.25015°,δ89.72354°,λ2.15419°.
Principal axes: T 1.3162,Plg1.7186°,Azm108.2649°; N -0.1803,Plg87.8281°,Azm250.5598° ; P -1.1359,Plg1.3275°,Azm18.2250° $M_0$1.23594×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108110519A. Moment Tensor Solution. s18,c23; s87,c123; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.36±.15 $M_{\theta\theta}$-2.18±.11; $M_{\phi\phi}$2.54±.11; $M_{r\theta}$-0.23±.18; $M_{\theta\phi}$1.33±.09; $M_{\phi r}$-0.75±.21; Best double couple: NP1:ϕ_s149.00000°,δ80.00000° ,λ171.00000°. NP2:ϕ_s240.00000°,δ82.00000°,λ10.00000°. Principal axes:
T 3.0680,Plg13.0000°,Azm105.0000°; N -0.5430,Plg77.0000°,Azm281.0000° ; P -2.5290,Plg1.0000°,Azm15.0000° $M_0$2.79900×10^{16}
ISC VIII 15 11 22 37.8–1.1 1.98N–.05 98.99E–.06 134–7 3.5b 40 0-63
IDC VIII 15 11 22 11.5–10 2.88N 97.93E 0 3.8s,3.6b **¶621023597**
DJA VIII 15 11 22 38.7–.40 2N–2.0 99E–3.0 121–3 3.4,3.4
ISC Event type se.
DJA VIII 11 14 25 52.2–.40 1N–3.0 99E–2.0 50–9 3.6,3.6 ¶626188306
ISC VIII 22 08 59 46.4–.39 1.89N–.04 97.78E–.04 46 4.5b 175 1-143
IDC VIII 22 08 59 39.5–.78 1.81N 97.71E 0 4.9L,4.3b **¶620999444**
DJA VIII 22 08 59 46.8–.50 2N–2.0 98E–2.0 22–6 5.0b,5.0b
GFZ VIII 22 08 59 47.5–.28 2N–3.0 98E–3.0 61–2 4.6b,4.3
NEIC VIII 22 08 59 48.1–.80 1.89N–.05 97.81E–.06 57–7 4.5b,4.3
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 15 17 42 13.1–.64 1.51N–.03 97.52E–.04 33–2 4.5b,3.9s 206 0-145
IDC VIII 15 17 42 07.9–.61 1.47N 97.54E 0 4.2b,4.2 **¶620987275**
GFZ VIII 15 17 42 13.9–.32 1N–3.0 98E–3.0 43–3 4.6,4.5b
NEIC VIII 15 17 42 13.9–2.1 1.40N–.08 97.59E–.08 45–5 4.5b,4.5b
DJA VIII 15 17 42 13.3–.30 2N–2.0 97E–2.0 24–3 6.0b,5.6
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 29 13 05 34.5–.49 2.76N–.04 98.90E–.04 171–4 4.3b 209 0-100
NEIC VIII 29 13 05 34.6–1.4 2.81N–.06 98.99E–.04 165–3 4.5b **¶621009996**
DJA VIII 29 13 05 34.5–.20 3N–2.0 99E–2.0 166–2 6.3b,6.0
IDC VIII 29 13 05 37.6–3.4 2.85N 99.10E 200–33 4.4,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.8km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.5km s-min=9.9km az=55.0.
ISC VIII 28 20 35 02.8–1.2 2.36N–.06 96.12E–.08 25 3.5b 28 1-63
IDC VIII 28 20 34 59.8–8.8 2.35N 96.70E 0 3.4b,3.4 **¶621073132**
DJA VIII 28 20 35 01.4–.50 2N–3.0 96E–4.0 10 3.3,3.3
ISC Event type se.
DJA VIII 24 03 49 59.0–.40 5N–3.0 95E–4.0 88–3 4.4b,4.0 ¶626189235
ISC VIII 23 20 59 53.5–.45 1.87N–.02 98.47E–.03 84–3 4.6b 486 0-161
BJI VIII 23 20 59 46.7 1.48N 98.58E 70 4.9b,4.7b **¶621001059**
IDC VIII 23 20 59 52.7–2.0 1.90N 98.57E 75–17 4.5,4.2b
NEIC VIII 23 20 59 53.7–2.0 1.90N–.06 98.52E–.06 81–4 4.7b,4.2b
BKK VIII 23 20 59 53.3–.50 2N–4.0 98E–5.0 83–4 5.3L,5.3
GFZ VIII 23 20 59 54.4–.21 2N–3.0 98E–3.0 83–2 4.6b,4.6
DJA VIII 23 20 59 54.2–.10 2N–1.0 98E–1.0 65–2 5.1b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 12 07 51 45.5–1.4 4.09N–.07 95.2E–.10 50 3.3b 23 1-63
IDC IX 12 07 51 36.2–2.6 3.68N 94.61E 0 4.4L,3.5 **¶621109637**
DJA IX 12 07 51 48.1–1.0 4N–6.0 95E–9.0 51–9 3.3,3.3
ISC Event type se.
ISC IX 09 00 12 18.9–.59 4.28N–.07 96.7E–.10 150 3.9b 31 1-83
NEIC IX 09 00 12 19.1–1.4 4.38N–.06 96.91E–.08 156–5 4.1b **¶621105812**
IDC IX 09 00 12 25.3–8.8 4.40N 96.76E 209–82 3.9,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=5.6km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.6km s-min=12.8km az=55.0.
IDC IX 01 10 04 59.5–4.0 1.01N 99.31E 0 4.0L,3.7b ¶621080614
IDC Error ellipse: s-maj=170.8km s-min=30.6km az=57.0.
ISC IX 08 07 58 28.3–1.4 3.4N–.20 96.1E–.20 38 3.8b 11 5-67
BKK IX 08 07 58 20.2–1.4 3N–5.0 96E–15 10 4.9b,4.6L **¶621105768**
IDC IX 08 07 58 22.9–1.5 3.38N 96.12E 0 4.6L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=51.1km s-min=25.1km az=59.0.
IDC IX 10 20 04 44.4–3.0 4.26N 96.09E 0 3.8b,3.8 ¶621108541
IDC Error ellipse: s-maj=283.3km s-min=24.8km az=47.0.

ISC IX 12 22 37 38.2–.89 5.60N–.04 98.12E–.05 10 3.6b 36 1-49
IDC IX 12 22 37 28.0–11 3.80N 95.59E 0 3.5b,3.5 **¶622281647**
BKK IX 12 22 37 38.4–.40 6N–4.0 98E–4.0 10 4.0L,3.9
DJA IX 12 22 37 40.3–.80 6N–3.0 98E–3.0 33–14 3.7,3.7
ISC Event type se.
ISC IX 17 18 06 14.0–1.3 2.50N–.03 96.54E–.05 8–9 3.9b 60 1-63
IDC IX 17 18 06 17.9–1.9 3.06N 96.64E 0 3.7b,3.6 **¶621112978**
DJA IX 17 18 06 18.1–.30 2N–2.0 97E–2.0 10 3.6,3.6
ISC Event type se.
ISC IX 15 11 31 25.6–.93 1.75N–.04 99.48E–.06 175–6 3.3b 58 0-47
IDC IX 15 11 31 25.0–4.6 2.24N 100.34E 136–79 3.5,3.1b **¶621111981**
DJA IX 15 11 31 26.7–.30 2N–2.0 99E–3.0 163–3 3.9b,3.5
ISC Event type se.
IDC IX 15 13 22 36.1–2.7 3.55N 96.16E 0 3.6L,3.5b ¶621111986
IDC Error ellipse: s-maj=92.8km s-min=30.2km az=63.0.
ISC IX 16 16 45 53.2–.63 0.23N–.04 97.06E–.06 22 4.0b 79 1-145
IDC IX 16 16 45 49.2–.91 0.02N 96.85E 0 3.8b,3.8 **¶621112902**
NEIC IX 16 16 45 51.4–1.1 0.12N–.06 96.9E–.10 10–1 4.2b,3.8
DJA IX 16 16 45 53.8–.70 0N–2.0 97E–4.0 33–10 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 30 18 54 25.8–.72 1.13N–.05 97.28E–.06 27 4.0b 46 0-86
IDC IX 30 18 54 21.9–1.3 1.14N 96.84E 0 3.9b,3.8 **¶621147779**
NEIC IX 30 18 54 26.0–2.2 1.29N–.09 97.5E–.10 21–6 4.1b,3.8
DJA IX 30 18 54 25.0–.70 1N–5.0 97E–6.0 10 3.7,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 06 53 23.1–.42 1.73N–.03 99.11E–.03 10 4.4b,3.6s 118 0-83
IDC IX 28 06 53 20.6–.89 1.64N 99.16E 0 4.4L,4.2b **¶621111216**
DJA IX 28 06 53 22.7–.30 2N–3.0 99E–3.0 10 3.8,3.8
GFZ IX 28 06 53 23.4–.19 2N–3.0 99E–3.0 10 5.6b,5.1
NEIC IX 28 06 53 24.7–1.5 1.81N–.04 99.03E–.06 10–1 4.3b,5.1
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 28 07 12 00.9–1.1 1.69N–.03 99.13E–.03 7–8 4.0b,3.4s 52 0-56
IDC IX 28 07 11 58.4–1.8 1.59N 99.09E 0 4.3L,3.8b **¶621140806**
DJA IX 28 07 12 02.1–.20 2N–1.0 99E–2.0 10 4.3,4.3
ISC Event type se.
ISC IX 17 22 05 51.0–1.6 2.43N–.04 96.58E–.05 12–10 3.6b,3.4s 54 1-98
IDC IX 17 22 05 47.4–1.7 2.15N 96.31E 0 3.8b,3.8 **¶621112986**
DJA IX 17 22 05 52.4–.30 2N–2.0 97E–2.0 10 3.9,3.9
ISC Event type se.
ISC IX 30 06 26 56.3–1.1 4.23N–.06 95.72E–.08 51 3.5b 21 0-50
IDC IX 30 06 26 44.7–2.8 3.60N 94.76E 0 4.0L,3.6b **¶621147745**
DJA IX 30 06 26 59.0–.50 4N–6.0 96E–6.0 34–8 3.6,3.6
ISC Event type se.
ISC IX 29 08 26 13.8–1.1 2.22N–.05 96.14E–.06 10 5.2s,4.2b 38 1-86
DJA IX 29 08 26 15.2–.50 2N–3.0 96E–3.0 10 4.3b,4.0 **¶621146360**
IDC IX 29 08 26 19.4–1.6 2.94N 96.47E 0 5.1s,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=17.4km az=48.0.
DJA X 04 01 02 45.4–.20 5N–3.0 96E–2.0 10 3.9,3.9 ¶626703114
ISC X 06 04 55 34.0–.60 4.93N–.05 97.21E–.06 10 4.0b 35 0-65
IDC X 06 04 55 29.9–1.7 4.45N 96.42E 0 4.1L,3.7b **¶621217123**
NEIC X 06 04 55 34.7–1.3 4.85N–.05 97.20E–.08 10–1 4.5b,3.7b
BKK X 06 04 55 35.7–.50 5N–4.0 97E–5.0 14–4 4.4L,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC X 07 03 16 20.2–4.1 2.36N 96.55E 0 3.3b,3.3 ¶621217184
IDC Error ellipse: s-maj=159.0km s-min=32.5km az=56.0.
ISC X 08 13 51 08.1–.66 1.07N–.04 100.02E–.05 202–5 3.7b 91 0-142
IDC X 08 13 51 08.2–.96 1.25N 100.37E 188–8 4.1,3.6b **¶621224659**
DJA X 08 13 51 09.7–.20 1N–2.0 100E–3.0 187–2 5.0b,4.4b
ISC Event type se.
DJA X 12 18 44 33.8–.30 4N–3.0 97E–4.0 10 3.9b,3.7 ¶626703650
ISC X 08 10 04 53.5–.25 4.42N–.03 95.45E–.03 64–1 5.2b 1145 0-160
BJI X 08 10 04 49.3 4.19N 95.31E 68 5.3b,4.5s **¶621134200**
MOS X 08 10 04 51.7–1.0 4.50N 95.53E 63 5.4b,4.5s
DJA X 08 10 04 52.9–.20 4N–1.0 95E–1.0 58–1 6.8,6.6
NEIC X 08 10 04 53.4–1.1 4.41N–.06 95.43E–.08 61–5 5.2b,6.6
IDC X 08 10 04 53.9–.46 4.57N 95.52E 63–3 4.8,4.6b
GFZ X 08 10 04 54.2–.19 4N–3.0 95E–3.0 64–1 5.7b,5.2
BKK X 08 10 04 55.2–.80 4N–3.0 96E–8.0 68–6 5.7L,5.5b
GCMT X 08 10 04 57.0–.30 4.35N–.02 95.45E–.02 57–2 4.9W,5.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110081004A. Moment Tensor Solution. s29,c34; s93,c140; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.37±.15 $M_{\theta\theta}$0.03±.11; $M_{\phi\phi}$-0.39±.11; $M_{r\theta}$1.48±.07; $M_{\theta\phi}$-2.52±.08; $M_{\phi r}$0.25±.08; Best double couple: NP1:ϕ_s178.00000°,δ59.00000° ,λ3.00000°. NP2:ϕ_s86.00000°,δ87.00000°,λ149.00000°. Principal axes:
T 2.7450,Plg23.0000°,Azm37.0000°; N 0.3880,Plg59.0000°,Azm262.0000° ; P -3.1330,Plg19.0000°,Azm136.0000° $M_0$2.93900×10^{16}
ISC X 22 14 19 26.4–1.2 4.29N–.03 96.82E–.04 4–10 39 0-64
BKK X 22 14 19 05.7–1.0 3N–4.0 96E–8.0 20–10 4.3b,4.1 **¶621309327**
IDC X 22 14 19 23.4–2.6 3.73N 96.11E 0 3.7L,3.3b
DJA X 22 14 19 28.8–.20 4N–2.0 97E–2.0 10 3.4,3.4
ISC Event type se.
DJA X 12 21 30 15.5–.70 4N–4.0 95E–6.0 41–12 3.9b,3.7 ¶626703643
ISC X 15 19 48 33.9–.72 1.38N–.04 97.06E–.04 25–5 4.6b 241 1-85
IDC X 15 19 48 29.4–.86 1.20N 96.90E 0 4.3b,4.3 **¶621204450**
DJA X 15 19 48 32.3–.50 1N–2.0 97E–3.0 14–3 5.9b,5.5
NEIC X 15 19 48 34.3–1.7 1.41N–.03 97.04E–.04 28–3 4.5b,5.5
GFZ X 15 19 48 35.3–.27 1N–3.0 97E–4.0 25 5.2b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC X 19 16 40 37.7–.99 0.27N–.06 97.74E–.08 29 3.7s,3.6b 33 1-65
IDC X 19 16 40 34.5–1.7 0.34N 98.02E 0 3.6b,3.6 **¶621244093**
DJA X 19 16 40 36.4–.60 0N–4.0 98E–5.0 16–4 3.6,3.6
ISC Event type se.
ISC X 13 00 52 51.7–.93 0.72N–.07 100.25E–.08 202–7 3.3b 32 0-55
IDC X 13 00 52 50.7–2.0 0.63N 100.39E 187–21 3.5,3.0b **¶621238940**
DJA X 13 00 52 53.1–.70 1N–4.0 100E–5.0 192–6 4.1b,3.7
ISC Event type se.
ISC X 13 16 21 54.8–.86 2.46N–.04 97.69E–.04 58–7 3.7b 62 0-63
IDC X 13 16 21 45.7–1.2 2.22N 97.41E 0 3.9L,3.7b **¶621238985**
NEIC X 13 16 21 54.8–1.6 2.42N–.06 97.65E–.08 56–10 4.1b,3.7b
DJA X 13 16 21 55.2–.30 2N–2.0 98E–3.0 31–4 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 20 17 32 45.1–.87 2.37N–.04 98.93E–.05 147–5 3.3b 57 0-56
IDC X 20 17 32 45.0–.71 2.46N 99.16E 139–4 3.6,3.1b **¶621246610**
DJA X 20 17 32 46.3–.30 2N–2.0 99E–3.0 133–3 3.4,3.4

ISC Event type se.
DJA X 13 05 24 50.9–.40 4N–3.0 97E–3.0 93–4 5.0b,4.3
¶626703712
ISC X 26 10 02 29.5–.54 2.22N–.05 96.18E–.06 27 4.3b,3.4s 102 0-143
IDC X 26 10 02 25.4–1.2 2.12N 96.07E 0 4.2b,4.2 **¶621240761**
NEIC X 26 10 02 27.3–1.4 2.18N–.06 96.12E–.09 10–1 4.4b,4.2
DJA X 26 10 02 28.7–.80 2N–3.0 96E–5.0 18–5 5.6b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 03 08 28 30.8–1.1 0.40N–.06 97.13E–.08 35 4.1b 47 1-144
IDC XI 03 08 28 25.8–3.0 0.64N 97.48E 0 4.1L,3.9b **¶621412232**
DJA XI 03 08 28 34.5–.40 1N–3.0 97E–4.0 68–6 4.0b,3.8
ISC Event type se.
ISC X 28 17 41 39.3–2.5 5.41N–.07 94.7E–.10 10 20 1-6
DJA X 28 17 41 40.6–.90 5N–5.0 95E–5.0 14–4 3.4,3.4 **¶622281692**
BKK X 28 17 41 44.8–1.2 5N–7.0 95E–10 28–13 4.2b,4.0b
ISC Event type se.
IDC X 29 17 23 57.3–3.3 0.24N 97.46E 0 4.2L,3.4
¶621391454
IDC Error ellipse: s-maj=127.9km s-min=28.0km az=62.0.
ISC XI 01 20 56 38.4–1.0 1.18N–.07 97.02E–.09 25 3.9b,3.5s 29 0-80
IDC XI 01 20 56 34.4–1.4 1.01N 96.96E 0 3.8b,3.8 **¶621401305**
DJA XI 01 20 56 37.1–1.0 1N–5.0 97E–7.0 22–6 3.8,3.8
ISC Event type se.
DJA XI 03 13 58 58.8–.30 0N–2.0 97E–3.0 10 6.3b,6.0
¶626705022
ISC XI 03 00 50 35.1–.27 0.92N–.03 98.52E–.03 63–2 5.1b 801 1-149
BJI XI 03 00 50 33.3 0.77N 98.57E 73 5.2b,5.1b **¶621255783**
BKK XI 03 00 50 35.6–.40 1N–3.0 99E–4.0 65–4 5.6L,5.3
NEIC XI 03 00 50 35.8–2.1 0.92N–.06 98.52E–.04 65–5 5.1b,5.3
IDC XI 03 00 50 35.8–1.5 0.90N 98.54E 68–11 4.8,4.5b
GFZ XI 03 00 50 36.3–.39 1N–3.0 99E–3.0 65–3 5.3b,5.1b
DJA XI 03 00 50 36.2–.10 1N–1.0 99E–2.0 63–1 5.5,5.4b
GCMT XI 03 00 50 37.3–.40 1.04N–.02 98.54E–.02 55–3 4.8W,5.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111030050A. Moment Tensor Solution. s19,c21; s64,c91; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.40±.15 $M_{\theta\theta}$-1.96±.09; $M_{\phi\phi}$1.56±.11; $M_{r\theta}$-0.77±.08; $M_{\theta\phi}$0.66±.10; $M_{\phi r}$-0.63±.09; Best double couple: NP1:ϕ_s144.00000°,δ61.00000°,λ171.00000°. NP2:ϕ_s238.00000°,δ82.00000°,λ29.00000°. Principal axes: T 2.0520,Plg26.0000°,Azm105.0000°; N 0.1910,Plg60.0000°,Azm251.0000°; P -2.2450,Plg14.0000°,Azm8.0000° $M_0$2.14800×10^{16}
DJA XI 03 14 02 44.3–.40 0N–2.0 97E–4.0 10 4.9b,4.2
¶626705021
ISC XI 12 08 32 31.3–.55 2.15N–.04 96.31E–.05 18–2 4.8b,3.9s 273 1-130
IDC XI 12 08 32 28.6–.65 2.18N 96.20E 0 4.4b,4.4 **¶621399255**
BJI XI 12 08 32 28.6 1.87N 96.31E 29 5.0b,4.9b
DJA XI 12 08 32 29.9–.40 2N–3.0 96E–4.0 10 5.5b,4.9
BKK XI 12 08 32 30.5–1.2 2N–6.0 96E–13 10 4.5,4.5
NEIC XI 12 08 32 30.2–1.3 2.14N–.07 96.2E–.10 10–1 4.8b,4.5
GFZ XI 12 08 32 33.2–.39 2N–4.0 96E–4.0 23–2 7.2,7.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 07 11 29 02.8–.39 0.27N–.04 98.52E–.04 43 4.5b,3.4s 203 0-144
IDC XI 07 11 29 02.0–3.7 0.08N 98.50E 40–31 4.3,4.2L **¶621372281**
NEIC XI 07 11 29 02.7–1.5 0.23N–.09 98.56E–.07 43–8 4.4b,4.2L
GFZ XI 07 11 29 03.5–.17 0N–2.0 99E–2.0 41 5.4,5.2b
DJA XI 07 11 29 03.4–.40 0N–2.0 99E–2.0 26–5 5.3b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XI 11 08 56 35.2–.70 1.38N–.03 98.97E–.04 118–5 3.9b 73 0-58
IDC XI 11 08 56 33.8–4.3 1.20N 98.96E 106–25 3.8,3.5b **¶621449519**
NEIC XI 11 08 56 35.5–.90 1.33N–.07 99.1E–.10 120–6 4.1b,3.5b
DJA XI 11 08 56 36.9–.30 1N–2.0 99E–2.0 97–3 3.7,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 12 06 33 23.0–.51 0.26N–.03 98.53E–.04 41–4 4.5b,3.5s 145 0-144
IDC XI 12 06 33 16.5–.81 0.16N 98.56E 0 4.4L,4.2b **¶621399248**
GFZ XI 12 06 33 22.2–.43 0N–5.0 98E–4.0 33–3 5.3,5.3b
NEIC XI 12 06 33 23.3–1.2 0.20N–.06 98.52E–.02 42–8 4.6b,5.3b
DJA XI 12 06 33 23.7–.40 0N–2.0 99E–3.0 27–5 5.4b,5.0b
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC XI 08 00 07 13.2–4.7 0.55N 97.13E 0 3.6b,3.6
¶621423063
IDC Error ellipse: s-maj=181.8km s-min=31.9km az=56.0.
IDC XI 08 00 13 03.9–7.8 1.62N 98.64E 0 3.6b,3.6
¶621423064
IDC Error ellipse: s-maj=403.5km s-min=26.4km az=56.0.
ISC XI 10 23 50 47.6–1.0 4.03N–.04 95.80E–.06 66–9 3.3b 34 1-63
IDC XI 10 23 50 39.0–7.8 4.18N 95.83E 0 3.4b,3.4 **¶621440087**
DJA XI 10 23 50 48.4–.30 4N–2.0 96E–3.0 47–5 4.7b,3.9
ISC Event type se.
ISC XII 01 15 15 11.4–1.0 2.02N–.06 99.06E–.07 133–8 3.0b 29 0-64
IDC XII 01 15 15 11.6–2.4 2.26N 98.89E 143–8 3.2,2.8b **¶621629825**
DJA XII 01 15 15 12.9–.60 2N–4.0 99E–5.0 117–8 3.2,3.2
ISC Event type se.
ISC XI 12 10 44 16.5–.22 1.32N–.03 98.87E–.03 89–1 5.1b 1083 0-177
BJI XI 12 10 44 10.2 0.64N 98.93E 93 5.1b,4.9b **¶621399807**
IDC XI 12 10 44 15.7–.37 1.24N 98.95E 83–2 4.8,4.5b
MOS XI 12 10 44 16.5–.96 1.33N 98.94E 103 5.1b,4.2s
NEIC XI 12 10 44 17.7 1.29N 98.89E 92 5.1b,4.2s
NEIC XI 12 10 44 17.1–1.1 1.30N–.05 98.89E–.06 91–4 5.3b,5.1
DJA XI 12 10 44 17.3–.10 1N–1.0 99E–2.0 90–1 5.6b,5.5
GFZ XI 12 10 44 17.9–.30 1N–2.0 99E–2.0 97–2 5.5b,5.2
GFZ XI 12 10 44 18.1 1.29N 98.94E 95 5.1W,5.2
GCMT XI 12 10 44 19.5–.20 1.31N–.01 98.88E–.01 90–1 5.2W,5.2
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.72 $M_{\theta\theta}$-4.20 $M_{\phi\phi}$1.48 $M_{r\theta}$3.15 $M_{\theta\phi}$2.22 $M_{\phi r}$-0.96 NP1:ϕ_s105.92000°,δ65.38000°,λ86.29000°. NP2:ϕ_s294.76000°,δ24.88000°,λ98.03000°. Principal axes: T 3.9422,Plg69.0000°,Azm8.0000°; N 2.2370,Plg3.0000°,Azm107.0000°; P -6.1792,Plg20.0000°,Azm199.0000° $M_0$5.42000×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.65 $M_{\theta\theta}$-4.11 $M_{\phi\phi}$2.46 $M_{r\theta}$1.28 $M_{\theta\phi}$1.79 $M_{\phi r}$-2.53 NP1:ϕ_s142.30832°,δ76.11704°,λ138.32720°. NP2:ϕ_s244.36408°,δ49.80032°,λ18.30886°. Principal axes: T 4.6498,Plg38.7606°,Azm94.9452°; N 0.4792,Plg46.4800°,Azm307.2223°; P -5.1290,Plg16.6630°,Azm198.8502° $M_0$4.90696×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111121044A. Moment Tensor Solution. s93,c142; s120,c194;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.98±.13 $M_{\theta\theta}$-5.79±.13; $M_{\phi\phi}$2.82±.15; $M_{r\theta}$1.66±.10; $M_{\theta\phi}$3.14±.13; $M_{\phi r}$-3.64±.09; Best double couple: NP1:ϕ_s250.00000°,δ48.00000°,λ23.00000°. NP2:ϕ_s144.00000°,δ73.00000°,λ136.00000°. Principal axes: T 6.6350,Plg43.0000°,Azm97.0000°; N 0.9380,Plg43.0000°,Azm307.0000°; P -7.5620,Plg15.0000°,Azm202.0000° $M_0$7.09800×10^{16}
ISC XI 14 00 43 26.9–1.1 3.40N–.03 96.43E–.03 28–10 3.6b 74 1-64
IDC XI 14 00 43 20.2–1.7 3.08N 95.74E 0 3.6L,3.6b **¶621468627**
DJA XI 14 00 43 27.0–.20 3N–1.0 96E–2.0 10 5.6b,5.1
ISC Event type se.
ISC XI 14 20 11 57.0–.80 1.55N–.03 97.89E–.03 10 3.6b 48 0-62
IDC XI 14 20 11 52.1–1.8 1.19N 97.48E 0 3.5b,3.5 **¶621468738**
DJA XI 14 20 11 59.8–.30 2N–2.0 98E–2.0 10–3 3.6,3.6
ISC Event type se.
ISC XI 28 22 34 40.7–.76 0.34N–.04 99.62E–.05 125–6 4.3b 144 0-143
IDC XI 28 22 34 40.8–1.5 0.42N 99.88E 118–12 4.3,4.0b **¶621480996**
DJA XI 28 22 34 40.8–.20 0N–2.0 100E–3.0 132–4 5.4b,5.0b
NEIC XI 28 22 34 41.1–1.5 0.28N–.08 99.61E–.06 126–7 4.3b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 23 06 22 18.6–.60 1.64N–.04 99.39E–.05 163–5 4.1b 134 0-83
NEIC XI 23 06 22 18.8–1.2 1.60N–.08 99.41E–.05 162–7 4.3b **¶621448775**
IDC XI 23 06 22 18.9–.84 1.66N 99.38E 161–4 4.3,3.8b
GFZ XI 23 06 22 18.6–.19 2N–4.0 99E–4.0 163–2 5.7b,5.2
DJA XI 23 06 22 20.1–.40 2N–3.0 99E–4.0 147–4 5.1b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
DJA XII 05 03 15 00.3–.20 5N–2.0 97E–2.0 10 3.7,3.6
¶626706493
ISC XII 12 01 59 20.9–.75 4.77N–.05 95.86E–.05 109–5 3.6b 55 0-79
IDC XII 12 01 59 19.5–4.0 4.80N 95.82E 96–33 3.8,3.3b **¶621650461**
DJA XII 12 01 59 22.0–.30 5N–2.0 96E–3.0 92–3 4.2b,4.0
ISC Event type se.
ISC XII 16 00 55 07.3–1.5 0.24N–.04 98.01E–.04 5–11 3.6b 60 0-84
IDC XII 16 00 55 06.5–3.4 0.33N 98.34E 0 4.4L,3.7 **¶621655742**
DJA XII 16 00 55 08.7–.30 0N–2.0 98E–2.0 10 4.2b,4.2
ISC Event type se.
ISC XII 11 23 58 44.4–1.7 5.3N–.20 94.2E–.10 10 3.6b 17 1-49
IDC XII 11 23 58 34.8–7.6 4.75N 96.40E 0 3.5b,3.5 **¶621644233**
DJA XII 11 23 58 47.1–1.0 5N–5.0 94E–6.0 13–8 3.6,3.5
ISC Event type se.
ISC XII 16 11 04 07.6–1.2 0.94N–.03 98.35E–.03 10–9 3.9b 57 1-62
IDC XII 16 11 04 08.3–8.1 1.37N 97.50E 0 3.7L,3.7b **¶621655772**
DJA XII 16 11 04 10.2–.30 1N–1.0 98E–2.0 13–3 5.3b,4.7
ISC Event type se.
ISC XII 19 14 34 56.2–.96 4.53N–.03 96.34E–.03 17–6 4.6b,3.7s 193 0-124
IDC XII 19 14 34 52.5–.82 4.42N 96.08E 0 4.1b,4.1 **¶621633694**
GFZ XII 19 14 34 54.0–.26 4N–3.0 96E–4.0 10 5.7b,5.2
NEIC XII 19 14 34 55.5–1.2 4.56N–.07 96.26E–.08 10–1 4.6b,5.2
DJA XII 19 14 34 57.3–.10 5N–1.0 96E–1.0 10 5.4b,4.8
BKK XII 19 14 34 57.4–.70 5N–3.0 96E–10 10 4.7,4.7
ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 17 14 38 37.3–.96 1.13N–.03 97.75E–.03 18–4 4.2b 87 0-62
IDC XII 17 14 38 31.9–1.1 0.75N 97.72E 0 4.0b,3.9 **¶621656935**
DJA XII 17 14 38 37.3–.20 1N–1.0 98E–2.0 10–2 4.1,4.0
NEIC XII 17 14 38 38.8–1.1 1.16N–.06 97.6E–.10 20–4 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 18 01 26 33.2–1.3 0.48N–.02 99.78E–.03 8–10 3.9b 56 0-63
DJA XII 18 01 26 34.4–.10 1N–1.0 100E–2.0 10 4.0,4.0 **¶621656962**
IDC XII 18 01 26 35.6–8.7 0.88N 98.64E 0 4.5L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=187.2km s-min=130.0km az=126.0.
ISC XII 16 03 37 14.1–.59 5.34N–.08 94.41E–.07 46 4.0b 38 1-129
IDC XII 16 03 37 08.2–1.8 5.29N 94.48E 0 4.5L,3.8b **¶621655750**
NEIC XII 16 03 37 14.1–.98 5.3N–.10 94.41E–.08 35–2 4.3b,3.8b
DJA XII 16 03 37 28.2–.80 5N–4.0 96E–7.0 13–4 3.3,3.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 03 10 30.5–.56 1.77N–.05 99.45E–.05 179 3.9b 81 0-83
IDC XII 21 03 10 30.0–.74 1.72N 99.56E 174–5 4.1,3.6b **¶621685660**
NEIC XII 21 03 10 30.9–1.4 1.75N–.08 99.51E–.09 179–7 4.1b,3.6b
DJA XII 21 03 10 30.4–.40 2N–3.0 99E–4.0 190–5 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA XII 24 00 45 35.5–.20 0N–2.0 100E–2.0 10 3.4,3.4
¶626707277
ISC XII 23 20 03 44.6–.48 5.76N–.05 94.33E–.05 50–4 4.7b,3.5s 336 1-141
BJI XII 23 20 03 40.5 5.41N 94.30E 57 4.8b,4.7b **¶621650665**
NEIC XII 23 20 03 43.5–1.9 5.66N–.08 94.27E–.09 35–1 4.9b,4.7b
BKK XII 23 20 03 43.7–1.2 6N–5.0 94E–11 10 5.2L,5.1b
DJA XII 23 20 03 43.1–1.0 6N–2.0 94E–3.0 12–8 5.0b,4.9
GFZ XII 23 20 03 44.8–.18 6N–3.0 94E–3.0 55 6.0,5.9
IDC XII 23 20 03 47.1–2.3 5.77N 94.44E 68–20 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=12.2km az=245.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=16.0km s-min=12.4km az=52.0.
ISC XII 26 01 41 06.1–.96 2.16N–.04 97.86E–.05 55–8 3.8b 46 0-56
IDC XII 26 01 41 00.7–3.1 2.58N 98.45E 0 3.7b,3.7 **¶621700188**
DJA XII 26 01 41 06.6–.40 2N–2.0 98E–2.0 26–3 3.6,3.6
ISC Event type se.
DJA XII 27 15 47 05.6–.20 4N–2.0 96E–2.0 10 3.5,3.5
¶626707333
ISC XII 31 23 48 26.8–.81 1.95N–.05 99.04E–.05 130–5 3.7b 56 0-80
IDC XII 31 23 48 26.0–2.8 1.86N 98.89E 126–12 3.7,3.3b **¶621726099**
DJA XII 31 23 48 27.6–.30 2N–3.0 99E–3.0 116–3 3.7,3.7
ISC Event type se.

SEISMIC REGION 47.
Baluchistan.

(709) Southeastern Afghanistan.
ISC VII 04 15 00 57.5–1.5 34.0N–.20 69.9E–.20 35 3.6b 12 16-84
IDC VII 04 15 00 51.9–1.7 33.88N 69.86E 0 3.6b,3.6 **¶620927884**
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=23.4km az=27.0.
IDC VII 21 13 13 51.6–4.2 34.48N 68.95E 0 3.5s,3.4b
¶620961657
IDC Error ellipse: s-maj=120.7km s-min=35.6km az=89.0.
ISC XII 12 19 48 48.0–1.1 34.65N–.09 69.51E–.09 24 3.5b 32 5-45
NDI XII 12 19 48 46.2–1.4 34.89N 69.08E 79–17 4.1W,4.0L **¶621650538**
NNC XII 12 19 48 52.3–13 34.79N 69.14E 38–254 3.9,3.9b
IDC XII 12 19 49 09.1–8.3 35.79N 69.74E 180–84 3.6,3.5s
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=14.8km s-min=11.2km az=-1.0. Presumed earthquake.
NNC Event type se. Error ellipse: s-maj=154.8km s-min=72.4km az=145.0.
IDC Error ellipse: s-maj=52.0km s-min=22.1km az=36.0.
ISC IX 28 00 39 33.6–.96 33.37N–.09 69.97E–.10 35 3.4b 29 10-78
IDC IX 28 00 39 26.2–2.6 33.07N 70.14E 0 3.6,3.5b **¶621140788**

NNC IX 28 00 39 32.7–7.3 33.44N 70.38E 18–90 3.5b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=57.0km s-min=21.1km az=134.0.
NNC Event type se. Error ellipse: s-maj=74.2km s-min=33.0km az=165.0.
ISC XI 30 04 10 14.1–2.0 32.0N–.10 68.9E–.20 35 3.5b 17 11-83
IDC XI 30 04 10 06.7–3.5 31.97N 68.14E 0 3.6L,3.6 **¶621627012**
ISC Event type se.
IDC Error ellipse: s-maj=99.6km s-min=27.9km az=85.0.
ISC VII 22 10 32 16.3–2.9 33.7N–.20 69.6E–.60 26 6 10-84
IDC VII 22 10 32 12.6–3.6 33.68N 69.71E 0 3.9b,3.8 **¶620967823**
ISC Event type se.
IDC Error ellipse: s-maj=114.1km s-min=23.8km az=88.0.
ISC X 15 20 41 54.0–.96 33.6N–.10 69.9E–.10 35 3.5b 13 10-83
IDC X 15 20 41 48.9–1.1 33.53N 69.90E 0 3.6b,3.5 **¶621242084**
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=18.6km az=80.0.
ISC XI 13 21 42 05.1–.53 32.09N–.04 68.83E–.04 16–3 4.6b,4.1s 420 2-122
IDC XI 13 21 42 03.0–.51 32.05N 68.84E 0 4.4L,4.3b **¶621402830**
NNC XI 13 21 42 04.0–2.3 32.16N 68.96E 0 4.8b,4.3b
MOS XI 13 21 42 03.6–1.0 32.19N 68.84E 18 4.7b,4.1s
NEIC XI 13 21 42 04.6–.95 32.20N–.07 68.80E–.08 10–1 4.7b,4.1s
GFZ XI 13 21 42 05.9–.24 32N–4.0 69E–3.0 10 5.6L,5.2b
BJI XI 13 21 42 06.3 32.40N 69.12E 10 5.0b,4.7b
GCMT XI 13 21 42 07.4–.30 32.13N–.02 68.89E–.02 21–1 4.8W,4.7b
NDI XI 13 21 43 04.8–1.5 31.67N 74.38E 5–20 3.0L,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=11.5km s-min=10.5km az=123.0.
NNC Event type se. Error ellipse: s-maj=31.2km s-min=20.8km az=137.0.
MOS Error ellipse: s-maj=6.3km s-min=4.0km az=85.8.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=11.7km az=144.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111132142A. Moment Tensor Solution. s15,c17; s82,c111; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.17±.09 $M_{\theta\theta}$-1.90±.07; $M_{\phi\phi}$1.74±.07; $M_{r\theta}$0.36±.12; $M_{\theta\phi}$-0.13±.05; $M_{\phi r}$0.16±.12; Best double couple: NP1:ϕ_s313.00000°,δ79.00000° ,λ-177.00000°. NP2:ϕ_s223.00000°,δ87.00000°,λ-11.00000°. Principal axes: T 1.7590,Plg6.0000°,Azm269.0000°; N 0.2180,Plg79.0000°,Azm28.0000° ; P -1.9680,Plg10.0000°,Azm178.0000° $M_0$1.86300×10^{16}
NDI Event type se. Error ellipse: s-maj=14.3km s-min=16.0km az=-1.0. Presumed earthquake.
ISC XII 23 11 27 29.2–.82 34.32N–.08 68.69E–.07 35 3.8b,2.9s 48 7-86
IDC XII 23 11 27 24.9–.97 34.47N 68.57E 0 3.8b,3.8 **¶621650617**
NNC XII 23 11 27 27.3–2.4 34.64N 67.98E 0 4.4,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=18.3km az=90.0.
NNC Event type se. Error ellipse: s-maj=26.1km s-min=20.6km az=135.0.
ISC XII 23 13 02 53.2–.40 34.07N–.05 70.53E–.05 35 4.4b,3.1s 201 1-84
IDC XII 23 13 02 49.6–.72 34.16N 70.67E 0 4.2,4.1b **¶621650618**
MOS XII 23 13 02 53.9–1.4 34.15N 70.47E 57 4.4b,4.1b
NEIC XII 23 13 02 54.5–2.1 34.02N–.06 70.48E–.06 51–6 4.4b,4.1b
GFZ XII 23 13 02 56.8–.29 34N–4.0 71E–3.0 48 4.8b,4.6L
BGR XII 23 13 03 07.5 36.11N 70.55E 33 4.3b,4.6L
NDI XII 23 13 03 11.7–1.4 34.33N 70.78E 20–31 4.7L,4.6L
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=13.7km az=29.0.
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=80.9.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.7km az=173.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
BGR Event type ke.
NDI Event type se. Error ellipse: s-maj=22.5km s-min=26.6km az=-1.0. Presumed earthquake.
NNC XII 31 18 40 45.5–8.7 34.92N 69.11E 0 3.7b,3.7
¶624930413
NNC Event type se. Error ellipse: s-maj=84.3km s-min=63.5km az=136.0.

(710) Pakistan.

ISC VII 02 17 01 30.4–1.8 34.1N–.10 72.3E–.30 35 3.4b 10 9-80
IDC VII 02 17 01 24.0–3.6 34.10N 71.98E 0 3.5b,3.3 **¶620927763**
ISC Event type se.
IDC Error ellipse: s-maj=90.2km s-min=25.7km az=79.0.
IDC VII 03 18 37 55.8–4.4 30.04N 70.18E 0 3.3b,3.3
¶620927828
IDC Error ellipse: s-maj=143.0km s-min=34.1km az=81.0.
ISC VII 04 10 07 04.3–.39 27.28N–.05 65.69E–.04 18 4.1b,3.4s 161 5-91
NEIC VII 04 10 07 03.2–1.1 27.30N–.09 65.74E–.02 10–1 4.2b,3.4s **¶620733575**
IDC VII 04 10 07 04.2–1.2 27.59N 65.74E 0 3.9b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=3.4km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.8km s-min=15.2km az=1.0.
ISC VII 07 12 18 55.9–1.4 29.3N–.20 70.0E–.20 35 3.6b 9 20-81
IDC VII 07 12 18 50.6–1.3 29.29N 69.96E 0 3.6b,3.6 **¶620928114**
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=24.4km az=60.0.
ISC VII 20 17 49 27.9–.52 29.28N–.05 70.06E–.05 10 3.9b,3.1s 76 3-88
IDC VII 20 17 49 26.1–.95 29.18N 70.03E 0 4.0L,3.9b **¶620961605**
NEIC VII 20 17 49 28.2–1.4 29.34N–.06 70.13E–.09 10–1 4.2b,3.9b
NDI VII 20 17 49 28.7–3.0 29.21N 69.86E 10 4.0L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=15.9km az=19.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.4km az=244.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=9.9km s-min=14.6km az=-1.0. Presumed earthquake.
ISC VII 20 23 54 26.5–.60 29.18N–.03 69.97E–.03 16–3 5.2b,4.7s 1063 3-147
IDC VII 20 23 54 24.2–.41 29.18N 70.06E 0 5.0b,5.0 **¶620838903**
NDI VII 20 23 54 24.9–3.0 29.20N 69.78E 10 5.4L,5.4b
MOS VII 20 23 54 25.5–1.0 29.30N 70.06E 19 5.3b,5.4b
NEIC VII 20 23 54 26.3 29.32N 70.03E 10 5.3b,5.4b
GFZ VII 20 23 54 26.9 29.30N 70.04E 17 5.1W,5.4b
NEIC VII 20 23 54 26.2–1.3 29.33N–.08 70.05E–.09 10–1 5.3b,5.4b
BJI VII 20 23 54 27.2 29.46N 70.34E 10 5.4b,5.3s
GCMT VII 20 23 54 27.2–.10 29.07N–.01 69.84E–.01 12 5.1W,5.3s
GFZ VII 20 23 54 27.8–.21 29N–4.0 70E–2.0 10 5.3b,5.2
NEIC VII 20 23 54 35.2 29.42N 70.14E 16 5.2,5.2
ISC Event type se.
IDC Error ellipse: s-maj=9.1km s-min=8.2km az=27.0.
NDI Event type se. Error ellipse: s-maj=6.6km s-min=7.8km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=4.5km s-min=3.2km az=106.3.
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID
smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}5.90 $M_{\theta\theta}$-1.99 $M_{\phi\phi}$-3.91 $M_{r\theta}$-1.15 $M_{\theta\phi}$-1.37 $M_{\phi r}$-1.62 NP1: ϕ_s209.96398°,δ55.32867°,λ92.25392°. NP2:ϕ_s26.00613°,δ34.73536°,λ86.74578°. Principal axes: T 6.2662,Plg79.5285°,Azm128.7655°; N -1.2834,Plg1.8535°,Azm28.6813° ; P -4.9828,Plg10.3025°,Azm298.3443° $M_0$5.73327×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.5km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107202354A. Moment Tensor Solution. s88,c126; s133,c262;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.32±.08 $M_{\theta\theta}$-1.83±.08; $M_{\phi\phi}$-3.49±.09; $M_{r\theta}$-0.05±.28; $M_{\theta\phi}$-2.91±.06; $M_{\phi r}$-3.55±.26; Best double couple: NP1: ϕ_s54.00000°,δ34.00000°,λ120.00000°. NP2:ϕ_s199.00000°,δ61.00000°,λ71.00000°. Principal axes: T 6.6800,Plg68.0000°,Azm72.0000°; N -0.2540,Plg16.0000°,Azm208.0000° ; P -6.4260,Plg14.0000°,Azm302.0000° $M_0$6.55300×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}6.37 $M_{\theta\theta}$-2.60 $M_{\phi\phi}$-3.77 $M_{r\theta}$-1.46 $M_{\theta\phi}$-2.89 $M_{\phi r}$-2.17 NP1:ϕ_s41.14000°,δ33.71000° ,λ93.23000°. NP2:ϕ_s217.26000°,δ56.35000°,λ87.85000°. Principal axes: T 6.8993,Plg79.0000°,Azm120.0000°; N -0.2416,Plg2.0000°,Azm218.0000° ; P -6.6577,Plg11.0000°,Azm309.0000° $M_0$6.78000×10^{16}
ISC VII 22 02 12 24.5–.37 30.02N–.04 70.34E–.04 10 4.4b,3.7s 297 3-88
IDC VII 22 02 12 22.7–.63 29.97N 70.26E 0 4.3L,4.3b **¶620844258**
MOS VII 22 02 12 23.3–1.0 30.12N 70.36E 11 4.5b,4.3b
NEIC VII 22 02 12 25.0–1.2 30.06N–.10 70.33E–.10 10–1 4.5b,4.3b
NDI VII 22 02 12 25.2–3.4 30.00N 70.17E 10 4.5b,4.3L
GFZ VII 22 02 12 26.2–.24 30N–3.0 70E–3.0 10 4.5b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 22 15 55 13.2–1.5 29.4N–.20 70.6E–.30 35 3.2b 6 20-81
IDC VII 22 15 55 07.7–1.6 29.37N 70.55E 0 3.7L,3.3b **¶620967837**
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=31.0km az=70.0.
IDC VII 30 16 31 52.1–2.1 28.77N 69.35E 0 3.4b,3.4
¶620986078
IDC Error ellipse: s-maj=70.6km s-min=27.2km az=73.0.
ISC VII 31 18 32 32.7–.38 29.11N–.04 69.43E–.04 12 4.4b,3.4s 183 3-119
IDC VII 31 18 32 30.7–.62 29.03N 69.32E 0 4.6L,4.1 **¶620925380**
NDI VII 31 18 32 31.9–2.7 29.05N 69.19E 10 4.0L,4.1
GFZ VII 31 18 32 34.6–.38 29N–4.0 70E–5.0 10 4.6,4.6b
MOS VII 31 18 32 34.6–2.9 29.12N 69.61E 23 4.5b,4.6b
NEIC VII 31 18 32 35.1–1.5 29.24N–.09 69.51E–.10 19–2 4.5b,4.6b
ISC Event type se.
NDI Event type se. Presumed earthquake.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 14 10 40 06.2–.55 33.26N–.03 72.08E–.03 15–3 4.7b,3.6s 352 1-94
BJI IX 14 10 40 04.7 33.50N 72.06E 9 4.8L,4.8b **¶621072706**
NDI IX 14 10 40 05.0–3.0 33.18N 71.85E 10–13 4.7b,4.5L
MOS IX 14 10 40 07.6–.79 33.38N 72.12E 34 4.9b,4.5L
NEIC IX 14 10 40 08.8–1.1 33.3N–.10 72.19E–.05 32–5 4.7b,4.5L
NNC IX 14 10 40 12.2–8.5 33.46N 72.11E 69–71 4.7b,4.5L
IDC IX 14 10 40 12.3–2.6 33.47N 72.13E 54–22 4.6L,4.5
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=9.7km s-min=15.6km az=-1.0. Presumed earthquake.
MOS Error ellipse: s-maj=7.0km s-min=3.8km az=84.8.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=5.7km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=71.9km s-min=52.8km az=148.0.
IDC Error ellipse: s-maj=17.4km s-min=10.1km az=30.0.
ISC VIII 04 15 07 44.4–.00 30.3N–.10 69.0E–.10 35 3.5b 12 13-93
IDC VIII 04 15 07 39.0–1.1 30.26N 68.95E 0 3.6,3.5L **¶620997313**
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=22.1km az=100.0.
ISC VIII 13 17 28 34.2–.73 34.75N–.06 73.65E–.08 10 3.7b 45 1-68
IDC VIII 13 17 28 32.1–1.2 34.65N 73.48E 0 3.8b,3.7 **¶621012187**
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=19.3km az=106.0.
ISC VIII 28 22 36 03.8–.29 30.13N–.04 69.74E–.03 10 4.6b,3.7s 485 4-121
IDC VIII 28 22 36 02.2–.55 30.20N 69.73E 0 4.3L,4.2b **¶621009882**
MOS VIII 28 22 36 02.3–1.2 30.23N 69.86E 8 4.8b,4.2b
NEIC VIII 28 22 36 04.5–1.3 30.20N–.08 69.76E–.06 10–1 4.8b,4.2b
NDI VIII 28 22 36 04.1–2.7 30.23N 69.52E 10 4.2L,4.2b
NNC VIII 28 22 36 05.4–2.1 30.47N 69.90E 0 4.6b,4.2b
BJI VIII 28 22 36 06.6 30.47N 70.05E 10 4.7b,4.5b
GFZ VIII 28 22 36 06.6–.25 30N–4.0 70E–3.0 10 4.7b,4.5
BGR VIII 28 22 36 16.8 31.85N 69.94E 33 4.8b,4.5
ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=11.7km az=11.0.
MOS Error ellipse: s-maj=6.0km s-min=3.8km az=106.6.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.9km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=9.7km s-min=14.1km az=-1.0. Presumed earthquake.
NNC Event type se. Error ellipse: s-maj=27.9km s-min=23.7km az=131.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
BGR Event type ke.
IDC VIII 28 23 08 13.4–10 31.46N 69.72E 0 3.4b,3.3
¶621073140
IDC Error ellipse: s-maj=228.6km s-min=36.4km az=70.0.
ISC IX 04 05 12 33.3–1.4 28.8N–.20 66.2E–.20 35 3.5b,3.1s 8 15-87
IDC IX 04 05 12 27.9–1.3 28.67N 66.12E 0 3.6b,3.6 **¶621081618**
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=26.0km az=50.0.
ISC IX 09 13 27 00.4–.77 31.89N–.05 72.12E–.06 10 3.7b 47 2-73
IDC IX 09 13 27 01.2–3.9 32.14N 72.10E 0 3.7b,3.7 **¶621105883**
NEIC IX 09 13 27 04.3–1.5 31.97N–.10 72.3E–.10 10–2 3.4b,3.7
NDI IX 09 13 27 04.0–1.4 31.90N 72.12E 17–14 3.8L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=72.1km s-min=30.9km az=129.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=15.5km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Event type se. Error ellipse: s-maj=13.3km s-min=15.8km az=-1.0. Presumed earthquake.
ISC VII 31 18 41 43.8–2.1 28.9N–.20 69.3E–.30 12 3.5b 7 21-81
IDC VII 31 18 41 41.8–2.2 28.84N 69.29E 0 3.5b,3.5 **¶620986142**
ISC Event type se.
IDC Error ellipse: s-maj=51.8km s-min=29.7km az=67.0.
IDC VIII 12 13 30 49.3–11 34.84N 71.68E 0 3.8,3.7b
¶621009416
IDC Error ellipse: s-maj=187.4km s-min=46.0km az=158.0.
IDC IX 03 14 41 55.4–4.3 30.38N 70.28E 0 3.6b,3.5
¶621081568
IDC Error ellipse: s-maj=142.1km s-min=32.7km az=80.0.
ISC IX 18 19 59 28.9–1.4 32.4N–.10 70.1E–.20 35 3.4b 23 11-83
IDC IX 18 19 59 24.0–2.0 32.24N 70.09E 0 3.8s,3.6 **¶621113588**
NNC IX 18 19 59 31.9–8.0 32.72N 69.89E 24–99 3.5b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=60.1km s-min=22.0km az=78.0.
NNC Event type se. Error ellipse: s-maj=80.3km s-min=30.6km az=155.0.
ISC IX 17 19 12 02.5–.50 30.06N–.03 69.41E–.03 30–3 4.6b,4.3s 737 3-146
IDC IX 17 19 11 59.0–.55 30.11N 69.20E 0 4.7L,4.4b **¶621082822**
BGR IX 17 19 11 58.1 29.29N 69.65E 33 4.6b,4.1s
MOS IX 17 19 12 01.9–1.2 30.19N 69.35E 31 4.8b,4.3s
NDI IX 17 19 12 01.9–3.1 30.12N 69.05E 30 5.0b,4.4L
GCMT IX 17 19 12 02.8–.20 29.97N–.01 69.39E–.02 12 5.0W,4.4L
NEIC IX 17 19 12 03.1–1.1 30.13N–.07 69.28E–.09 31–3 4.7b,4.4L
NNC IX 17 19 12 03.0–3.2 30.39N 69.70E 0 4.6b,4.4L
GFZ IX 17 19 12 05.0–.23 30N–3.0 69E–2.0 40 5.4L,5.2b
BJI IX 17 19 12 11.0 30.46N 70.12E 53 5.1b,4.7s
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=12.1km az=16.0.
BGR Event type ke.
MOS Error ellipse: s-maj=5.3km s-min=3.3km az=100.4.
NDI Event type se. Error ellipse: s-maj=5.6km s-min=8.8km az=-1.0. Presumed earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109171912A. Moment Tensor Solution. s55,c70; s113,c205; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.16±.07 $M_{\theta\theta}$-2.67±.06; $M_{\phi\phi}$-0.48±.07;

M_{rr}1.95±.20; $M_{\theta\theta}$-1.62±.05; $M_{\theta r}$0.64±.24; Best double couple: NP1:ϕ_s236.00000°,δ30.00000°,λ80.00000°. NP2:ϕ_s68.00000°,δ61.00000°,λ96.00000°. Principal axes: T 3.7570,Plg74.0000°,Azm352.0000°; N 0.3450,Plg5.0000°,Azm245.0000°; P -4.0970,Plg16.0000°,Azm153.0000° $M_0$3.92700×10^{16}

NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.4km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NNC Event type se. Error ellipse: s-maj=41.7km s-min=32.0km az=152.0.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**IX**	**30 10 45 52.4–.73**	**34.74N–.07**	**72.86E–.08**	**10**	**3.9b**	**40**	**2-83**	
NDI	IX	30 10 45 50.6–2.6	34.87N	72.79E	10–419	3.7L			**¶621147758**
NNC	IX	30 10 45 54.6–11	35.01N	72.84E	0	4.1,3.9b			
IDC	IX	30 10 46 01.0–4.8	34.90N	73.03E	83–43	3.9,3.6L			

ISC Event type se.

NDI Event type se. Error ellipse: s-maj=262.0km s-min=407.6km az=-1.0. Presumed earthquake.

NNC Event type se. Error ellipse: s-maj=155.0km s-min=101.4km az=103.0.

IDC Error ellipse: s-maj=32.6km s-min=14.8km az=40.0.

ISC	**IX**	**24 00 00 10.8–.63**	**27.68N–.09**	**66.69E–.06**	**35**	**4.0b**	**55**	**8-83**	
IDC	IX	24 00 00 09.4–1.3	28.08N	66.40E	0	3.9b,3.9			**¶621126394**

ISC Event type se.

IDC Error ellipse: s-maj=27.6km s-min=20.6km az=157.0.

ISC	**IX**	**28 15 11 44.1–.69**	**30.08N–.05**	**69.84E–.06**	**12**	**3.7b**	**60**	**3-85**	
IDC	IX	28 15 11 38.9–2.5	29.95N	69.31E	0	3.6b,3.6			**¶621112120**
NDI	IX	28 15 11 40.7–2.5	30.12N	69.39E	10	3.9L,3.6			
NEIC	IX	28 15 11 47.2–1.1	30.48N–.03	69.9E–.10	10–1	4.3b,3.6			

ISC Event type se.

NDI Event type se. Presumed earthquake.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**02 04 57 42.9–1.2**	**31.04N–.05**	**73.68E–.08**	**35**		**20**	**2-23**	
NDI	X	02 04 57 44.4–2.1	31.12N	73.65E	36–22	3.6L			**¶624925677**
NNC	X	02 04 58 07.5–8.2	32.86N	74.07E	108–76	3.1b			

ISC Event type se.

NDI Event type se. Error ellipse: s-maj=7.2km s-min=17.9km az=-1.0. Presumed earthquake.

NNC Event type se. Error ellipse: s-maj=127.4km s-min=76.5km az=71.0.

ISC	**X**	**22 20 58 15.2–.68**	**29.50N–.06**	**67.50E–.06**	**35**	**3.9b**	**48**	**4-83**	
GFZ	X	22 20 58 09.2–1.5	29N–18	68E–8.0	10	4.7b,4.2b			**¶621237635**
IDC	X	22 20 58 09.9–1.4	29.53N	67.46E	0	3.8b,3.8			

ISC Event type se.

GFZ Error ellipse: s-maj=41.4km s-min=9.0km az=158.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

IDC Error ellipse: s-maj=32.5km s-min=22.5km az=55.0.

ISC	**X**	**06 22 01 09.1–.34**	**30.18N–.03**	**68.03E–.02**	**15–1**	**6.1s,5.7b**	**2497**	**4-158**	
NEIC	X	06 22 01 06.6	29.99N	67.98E	10	6.0,5.7b			**¶621126624**
IDC	X	06 22 01 06.7–.39	30.14N	67.99E	0	5.8s,5.6L			
ISC-P	X	06 22 01 08	30.19N	68.00E	14–0	6.1,5.6L			
NEIC	X	06 22 01 08.9–1.1	30.19N–.07	68.00E–.09	9–1	6.1,5.9			
GFZ	X	06 22 01 08.3–.06	30N–1.0	68E–1.0	10	6.3b,6.0			
NEIC	X	06 22 01 08.8	30.22N	68.01E	10	6.3b,6.0			
NEIC	X	06 22 01 08.8	30.22N	68.01E	10	6.3b,6.0			
NEIC	X	06 22 01 08.7	30.22N	68.02E	9	6.3b,6.0			
BJI	X	06 22 01 08.5	30.41N	68.13E	10	6.2s,6.0b			
MOS	X	06 22 01 08.0–1.1	30.28N	68.08E	15	6.0s,5.9b			
GFZ	X	06 22 01 08.3	30.13N	68.04E	13	5.9W,5.9b			
NEIC	X	06 22 01 09	30.12N	67.78E	18	5.9,5.9b			
IPGP	X	06 22 01 10.0	30.22N	68.01E	9	6.1W,5.9b			
GCMT	X	06 22 01 11.1–.10	29.94N	67.98E	13–0	6.0W,5.9b			
BGR	X	06 22 01 11.4	29.76N	67.59E	33	6.5,5.7b			
PTWC	X	06 22 01 12	30.20N	67.90E		6.1,5.7b			

ISC Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 5s4 Moment tensor: Scale 10^{18}Nm; M_{rr}0.32 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$0.17 $M_{r\theta}$0.89 $M_{\theta\phi}$0.03 $M_{\phi r}$0.66 NP1:ϕ_s56.70000°,δ82.52000°,λ74.60000°. NP2:ϕ_s301.41000°,δ17.08000°,λ153.70000°. Principal axes: T 1.2140,Plg50.0000°,Azm310.0000°; N -0.0618,Plg15.0000°,Azm59.0000°; P -1.1522,Plg36.0000°,Azm160.0000° $M_0$1.18000×10^{18}

IDC Error ellipse: s-maj=9.2km s-min=8.9km az=17.0.

ISC-P Moment Tensor Solution. s53 Moment tensor: Scale 10^{18}Nm; M_{rr}0.30±.10 $M_{\theta\theta}$-0.41±.11; $M_{\phi\phi}$0.10±.17; $M_{r\theta}$0.59±.12; $M_{\theta\phi}$0.13±.09; $M_{\phi r}$0.06±.11; NP1:ϕ_s78.90000°,δ75.40000°,λ77.90000°. NP2:ϕ_s299.20000°,δ18.90000°,λ128.70000°. $M_0$2.02000×10^{18}

NEIC Event type se. Error ellipse: s-maj=13.0km s-min=12.5km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.07 $M_{\theta\theta}$-3.09 $M_{\phi\phi}$1.02 $M_{r\theta}$7.12 $M_{\theta\phi}$0.08 $M_{\phi r}$1.64 NP1:ϕ_s77.09000°,δ80.73000°,λ82.92000°. NP2:ϕ_s294.75000°,δ11.65000°,λ127.08000°. Principal axes: T 7.3759,Plg54.0000°,Azm339.0000°; N 0.7925,Plg7.0000°,Azm78.0000°; P -8.1684,Plg35.0000°,Azm173.0000° $M_0$7.80000×10^{17}

GFZ Error ellipse: s-maj=3.2km s-min=1.8km az=26.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se.

NEIC Event type se.

NEIC Event type se.

MOS Error ellipse: s-maj=4.1km s-min=2.8km az=114.5.

GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.17 $M_{\theta\theta}$-3.60 $M_{\phi\phi}$0.42 $M_{r\theta}$8.24 $M_{\theta\phi}$0.94 $M_{\phi r}$0.43 NP1: ϕ_s87.98477°,δ78.97331°,λ83.05292°. NP2:ϕ_s300.48416°,δ13.00969°,λ121.82801°. Principal axes: T 8.7918,Plg55.5077°,Azm349.2983°; N 0.3617,Plg6.8182°,Azm89.3198°; P -9.1534,Plg33.6220°,Azm183.8799° $M_0$8.97806×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{18}Nm; M_{rr}0.41 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$0.11 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.03 $M_{\phi r}$0.56 NP1:ϕ_s291.77000°,δ19.69000°,λ143.62000°. NP2:ϕ_s56.52000°,δ78.47000°,λ73.93000°. Principal axes: T 1.0468,Plg54.0000°,Azm307.0000°; N -0.0586,Plg16.0000°,Azm60.0000°; P -0.9881,Plg32.0000°,Azm160.0000° $M_0$1.02000×10^{18}

IPGP Moment Tensor Solution. NP1:ϕ_s315.00000°,δ10.00000°,λ149.00000°. NP2:ϕ_s76.00000°,δ85.00000°,λ81.00000°.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ID: C202110062201A. Moment Tensor Solution. s152,c326; s154,c469;Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.47±.01 $M_{\theta\theta}$-0.66±.01; $M_{\phi\phi}$0.19±.01; $M_{r\theta}$0.90±.03; $M_{\theta\phi}$0.03±.00; $M_{\phi r}$0.21±.01; Best double couple: NP1:ϕ_s294.00000°,δ18.00000°,λ125.00000°. NP2:ϕ_s78.00000°,δ75.00000°,λ79.00000°. Principal axes: T 1.0110,Plg59.0000°,Azm333.0000°; N 0.1520,Plg10.0000°,Azm80.0000°; P -1.1630,Plg29.0000°,Azm176.0000° $M_0$1.08700×10^{18}

BGR Event type ke.

ISC	**X**	**07 00 00 56.5–.37**	**30.08N–.04**	**68.07E–.04**	**10**	**4.4b**	**258**	**4-88**	
MOS	X	07 00 00 55.5–1.2	30.14N	68.11E	13	4.6b			**¶621126658**
IDC	X	07 00 00 55.2–.65	30.09N	68.04E	0	4.2b,4.2			
NEIC	X	07 00 00 57.1–1.2	30.08N–.08	68.03E–.09	10–1	4.6b,4.2			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**07 18 22 26.4–.91**	**30.5N–.10**	**69.8E–.10**	**35**	**3.8b**	**29**	**4-82**	
IDC	X	07 18 22 21.5–1.1	30.55N	69.65E	0	3.8b,3.8			**¶621217232**

ISC Event type se.

IDC Error ellipse: s-maj=27.4km s-min=21.0km az=65.0.

ISC	**X**	**15 21 52 10.4–1.2**	**30.2N–.20**	**68.0E–.20**	**24**	**3.6b**	**12**	**13-83**	
IDC	X	15 21 52 06.5–1.1	30.06N	67.91E	0	3.8L,3.7			**¶621242088**

ISC Event type se.

IDC Error ellipse: s-maj=24.4km s-min=21.8km az=101.0.

ISC	**X**	**17 01 43 26.1–.94**	**33.89N–.09**	**72.1E–.10**	**35**	**3.7b**	**27**	**9-82**	
IDC	X	17 01 43 21.9–1.4	33.90N	71.99E	0	3.7b,3.7			**¶621242860**
NNC	X	17 01 43 30.8–2.9	34.50N	71.35E	0	4.0,3.9b			

ISC Event type se.

IDC Error ellipse: s-maj=28.4km s-min=21.6km az=104.0.

NNC Event type se. Error ellipse: s-maj=36.6km s-min=19.2km az=122.0.

ISC	**X**	**17 21 56 33.2–.50**	**30.06N–.05**	**68.17E–.05**	**24**	**4.1b**	**88**	**4-88**	
IDC	X	17 21 56 31.9–2.6	30.27N	68.03E	0	3.9L,3.9b			**¶621242904**
NEIC	X	17 21 56 32.3–1.8	30.0N–.10	68.3E–.10	22–5	4.3b,3.9b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**10 15 02 42.6–.38**	**30.00N–.04**	**67.93E–.04**	**24**	**4.3b,3.2s**	**172**	**4-145**	
IDC	X	10 15 02 39.1–.77	30.05N	67.98E	0	3.9b,3.9			**¶621144268**
MOS	X	10 15 02 39.7–.94	30.09N	67.96E	14	4.5b,3.9			
NEIC	X	10 15 02 41.4–1.3	30.06N–.10	67.94E–.10	10–1	4.5b,3.9			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**11 13 43 41.2–.46**	**27.64N–.07**	**66.05E–.05**	**25**	**3.9b,3.4s**	**102**	**5-95**	
IDC	XII	11 13 43 39.4–.85	27.79N	66.16E	0	3.8b,3.8			**¶621644193**
NEIC	XII	11 13 43 43.7–2.1	27.89N–.09	66.2E–.10	32–3	4.3b,3.8			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**X**	**30 13 09 25.9–.46**	**28.03N–.06**	**65.94E–.04**	**35**	**4.0b,3.3s**	**100**	**5-83**	
IDC	X	30 13 09 22.2–1.3	27.99N	66.35E	0	3.7b,3.7			**¶621244501**
NEIC	X	30 13 09 23.9–1.4	28.28N–.09	65.76E–.09	10–1	4.3b,3.7			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XI**	**20 14 03 45.4–.63**	**32.04N–.06**	**69.02E–.06**	**35**	**4.0b,3.7s**	**68**	**2-96**	
NDI	XI	20 14 03 35.3–3.0	30.27N	69.15E	57–31	3.2L,3.7s			**¶621590365**
NNC	XI	20 14 03 41.2–5.9	32.09N	68.96E	1–48	4.2b,3.7s			
IDC	XI	20 14 03 41.1–.85	32.08N	69.04E	0	4.0b,4.0			
NEIC	XI	20 14 03 46.6–2.0	32.11N–.08	69.09E–.08	43–6	4.0b,4.0			

ISC Event type se.

NDI Event type se. Presumed earthquake.

NNC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**04 07 31 08.9–.82**	**34.72N–.07**	**73.12E–.09**	**21**	**3.8b**	**26**	**2-82**	
NDI	XII	04 07 31 03.9–1.6	34.81N	72.80E	10–124	3.5L,3.4W			**¶621630651**
IDC	XII	04 07 31 05.1–1.0	34.65N	73.24E	0	3.8b,3.6			

ISC Event type se.

NDI Event type se. Error ellipse: s-maj=59.0km s-min=141.5km az=-1.0. Presumed earthquake.

IDC Error ellipse: s-maj=30.1km s-min=18.8km az=98.0.

IDC	**XII**	**11 08 56 14.2–10**	**30.70N**	**68.25E**	**0**	**3.8L,3.8b**			**¶621644178**

IDC Error ellipse: s-maj=181.6km s-min=67.1km az=167.0.

ISC	**XI**	**14 07 14 56.6–.60**	**27.68N–.08**	**66.22E–.05**	**35**	**3.6b**	**49**	**5-83**	
IDC	XI	14 07 14 54.2–1.6	27.96N	66.12E	0	3.7b,3.7			**¶621468654**

ISC Event type se.

IDC Error ellipse: s-maj=40.9km s-min=28.7km az=38.0.

ISC	**XII**	**08 17 16 02.4–.66**	**25.12N–.07**	**67.48E–.06**	**10**	**3.9b**	**45**	**3-91**	
IDC	XII	08 17 16 00.5–1.1	24.81N	67.50E	0	3.8b,3.8			**¶621622152**
NEIC	XII	08 17 16 02.6–2.1	25.0N–.10	67.57E–.10	10–1	3.9b,3.8			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**11 23 38 33.2–.47**	**34.81N–.06**	**72.30E–.05**	**100**	**4.0b**	**106**	**1-95**	
IDC	XII	11 23 38 32.0–3.9	34.92N	72.03E	70–34	4.0,3.9s			**¶621627621**
NNC	XII	11 23 38 32.4–2.4	36.55N	73.52E	0	4.8b,4.5			
NEIC	XII	11 23 38 32.2–1.3	34.92N–.06	72.14E–.07	67–7	4.2b,4.5			

ISC Event type se.

NNC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**11 15 30 58.5–.47**	**27.59N–.06**	**65.98E–.05**	**25**	**4.7s,4.0b**	**100**	**5-93**	
NEIC	XII	11 15 30 59.3–2.0	27.64N–.09	66.09E–.10	34–6	4.2b,4.0b			**¶621644198**
IDC	XII	11 15 31 00.6–1.9	28.11N	65.88E	0	4.7s,3.9			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.7km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=39.6km s-min=19.1km az=163.0.

ISC	**XII**	**12 00 27 00.6–.58**	**25.50N–.09**	**67.86E–.06**	**10**	**4.1b,3.4s**	**74**	**9-92**	
IDC	XII	12 00 26 59.1–.84	25.35N	67.77E	0	4.0L,3.9b			**¶621627545**
NEIC	XII	12 00 27 01.1–1.4	25.46N–.07	67.84E–.07	10–1	4.2b,3.9b			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**12 13 26 13.3–.72**	**29.67N–.08**	**69.97E–.06**	**10**	**3.8b**	**73**	**5-88**	
NDI	XII	12 13 26 12.5–1.8	29.45N	69.69E	10–181	4.0L			**¶621627811**
IDC	XII	12 13 26 13.1–1.2	29.79N	69.85E	0	3.8b,3.8			
NEIC	XII	12 13 26 14.0–1.9	29.75N–.08	69.93E–.08	10–1	4.1b,3.8			

ISC Event type se.

NDI Event type se. Presumed earthquake.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**XII**	**15 08 45 02.2–.78**	**34.93N–.06**	**73.70E–.09**	**21**	**3.7b**	**39**	**2-83**	
IDC	XII	15 08 44 57.9–1.2	34.80N	73.52E	0	3.9b,3.8			**¶621654091**
NDI	XII	15 08 45 03.0–2.1	34.90N	73.59E	58–20	4.0W,3.6L			

ISC Event type se.

IDC Error ellipse: s-maj=34.3km s-min=16.9km az=68.0.

NDI Event type se. Error ellipse: s-maj=11.0km s-min=22.0km az=-1.0. Presumed earthquake.

ISC	**XII**	**27 10 15 22.2–1.4**	**29.9N–.10**	**70.4E–.10**	**10**	**3.6b,3.1s**	**25**	**11-88**	
IDC	XII	27 10 15 16.3–2.2	29.63N	69.30E	0	3.7b,3.7			**¶621717307**

ISC Event type se.

IDC Error ellipse: s-maj=59.9km s-min=21.1km az=77.0.

ISC	**XII**	**24 17 58 55.5–.37**	**34.63N–.04**	**73.07E–.04**	**21**	**4.4b,3.7s**	**216**	**1-92**	
IDC	XII	24 17 58 52.4–.69	34.61N	72.98E	0	4.2,4.1b			**¶621653104**
NDI	XII	24 17 58 54.8–2.5	34.93N	72.69E	39–159	4.2L,4.2W			
MOS	XII	24 17 58 55.4–.96	34.65N	73.03E	33	4.5b,4.2W			
NEIC	XII	24 17 58 57.0–2.0	34.61N–.04	73.13E–.07	28–5	4.5b,4.2W			
NNC	XII	24 17 58 58.6–6.3	35.04N	72.98E	0	4.6b,4.4			

ISC Event type se.

IDC Error ellipse: s-maj=17.5km s-min=13.1km az=69.0.

NDI Event type se. Error ellipse: s-maj=80.5km s-min=109.9km az=-1.0. Presumed earthquake.

MOS Error ellipse: s-maj=11.0km s-min=4.8km az=85.8.

NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.0km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NNC Event type se. Error ellipse: s-maj=62.2km s-min=45.3km az=137.0.

ISC	**XII**	**25 06 39 02.2–.36**	**30.39N–.04**	**67.39E–.04**	**14**	**4.4b,3.8s**	**291**	**4-120**	
IDC	XII	25 06 39 00.5–.65	30.50N	67.31E	0	4.3L,4.1			**¶621653207**
MOS	XII	25 06 39 01.1–1.2	30.48N	67.38E	14	4.6b,4.1			
NEIC	XII	25 06 39 01.6–1.5	30.31N–.07	67.41E–.09	10–1	4.7b,4.1			
BJI	XII	25 06 39 02.0	30.64N	67.48E	10	4.9b,4.3s			
GFZ	XII	25 06 39 03.8–.34	30N–5.0	67E–3.0	10	5.2,5.0			

ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**29 04 55 18.3–.43**	**29.83N–.05**	**69.93E–.05**	**12**	**4.1b**	**122**	**3-88**	
IDC	XII	29 04 55 16.3–.69	29.75N	69.84E	0	4.1L,4.0b			**¶621656497**
NDI	XII	29 04 55 17.1–2.5	29.73N	70.04E	20–35	4.0L,3.9W			
NEIC	XII	29 04 55 19.0–1.3	29.89N–.09	69.9E–.10	10–1	4.4b,3.9W			
NNC	XII	29 04 55 24.7–8.9	30.32N	69.87E	24–85	3.9b,3.9W			

ISC Event type se.

IDC Error ellipse: s-maj=15.7km s-min=14.4km az=31.0.

NDI Event type se. Error ellipse: s-maj=10.8km s-min=44.2km az=-1.0. Presumed earthquake.

NEIC Event type se. Error ellipse: s-maj=16.0km s-min=14.7km az=227.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NNC Event type se. Error ellipse: s-maj=55.7km s-min=30.4km az=166.0.

NDI	**XII**	**27 12 09 51.3–1.6**	**29.90N**	**69.44E**	**64–59**	**4.1W,3.7L**			**¶626727395**

NDI Event type se. Error ellipse: s-maj=8.0km s-min=35.6km az=-1.0. Presumed earthquake.

NDI	**XII**	**28 11 50 15.4–2.0**	**29.76N**	**69.43E**	**10**	**4.1L,4.0W**			

¶626727398
NDI Event type se. Error ellipse: s-maj=36.4km s-min=21.3km az=-1.0. Presumed earthquake.
NDI XII 27 07 04 55.3–1.4 30.40N 69.88E 10–28 3.8W,3.6L
¶626727394
NDI Event type se. Error ellipse: s-maj=6.2km s-min=39.6km az=-1.0. Presumed earthquake.
ISC XII 29 05 50 17.1–1.2 29.72N–.09 69.91E–.10 35 3.5b 30 6-81
NDI XII 29 05 50 09.3–.65 29.64N 69.91E 76–12 4.4W,4.2L ¶621724182
IDC XII 29 05 50 12.2–1.4 29.72N 69.74E 0 3.7b,3.7
NNC XII 29 05 50 27.9–7.5 30.61N 70.41E 40–62 3.3b,3.7
ISC Event type se.
NDI Event type se. Error ellipse: s-maj=28.9km s-min=12.6km az=-1.0. Presumed earthquake.
IDC Error ellipse: s-maj=33.5km s-min=17.5km az=88.0.
NNC Event type se. Error ellipse: s-maj=49.4km s-min=43.8km az=166.0.

(712) India-Pakistan border region.

ISC XI 04 09 45 39.8–.31 24.17N–.04 68.38E–.03 10 4.7b,4.7s 414 8-126
IDC XI 04 09 45 37.6–.58 24.06N 68.36E 0 4.6s,4.5L ¶621262047
MOS XI 04 09 45 38.8–1.2 24.10N 68.38E 10 4.7s,4.7b
NEIC XI 04 09 45 40.5–1.5 24.23N–.08 68.43E–.07 10–1 4.9b,4.7b
GFZ XI 04 09 45 41.6–.21 24N–3.0 69E–3.0 10 5.3b,5.2
GCMT XI 04 09 45 41.5–.20 24.17N–.01 68.42E–.01 12 5.1W,5.2
BJI XI 04 09 45 42.1 24.34N 68.90E 10 5.4s,5.1
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=11.2km az=27.0.
MOS Error ellipse: s-maj=12.2km s-min=6.8km az=113.6.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.6km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202111040945A. Moment Tensor Solution. s37,c45; s127,c219; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.71±.10 $M_{\theta\theta}$-5.31±.09; $M_{\phi\phi}$3.59±.09; $M_{r\theta}$1.19±.26; $M_{\theta\phi}$1.61±.08; $M_{\theta r}$-0.80±.27; Best double couple: NP1:ϕ_s235.00000°,δ72.00000°,λ4.00000°. NP2:ϕ_s144.00000°,δ86.00000°,λ162.00000°. Principal axes:
T 4.0290,Plg15.0000°,Azm98.0000°; N 1.7820,Plg72.0000°,Azm313.0000°
; P -5.8210,Plg10.0000°,Azm191.0000° M_o4.92500×10^{16}
ISC IX 10 12 05 59.4–1.5 28.5N–.20 71.1E–.10 35 3.7b 27 10-89
IDC IX 10 12 05 51.9–1.9 28.43N 70.59E 0 3.6b,3.6 ¶621108512
ISC Event type se.
IDC Error ellipse: s-maj=60.7km s-min=23.1km az=77.0.

SEISMIC REGION 48.
Hindu Kush and Pamir.

(713) Central Kazakhstan.

IDC VII 03 15 10 56.5–567 46.27N 72.57E 0
¶620927815
IDC Error ellipse: s-maj=211.2km s-min=176.1km az=162.0.
SOME VIII 02 07 14 41.7 44.72N 73.93E 0
NNC VIII 02 07 14 43.1–3.3 41.27N 76.21E 0 3.3b,3.1 ¶625829041
NNC Event type se. Error ellipse: s-maj=23.8km s-min=17.0km az=19.0.
ISC VIII 10 13 51 12.9–1.4 42.37N–.06 70.75E–.04 11–13 16 1-2
KRNET VIII 10 13 51 14.3–.10 42.25N 70.87E 15 2.5b ¶622409797
ISU VIII 10 13 51 16 42.19N 70.71E 4 2.5b
ISC Event type se.
ISC IX 15 19 09 15.5–2.5 42.83N–.08 69.9E–.10 5–13 33 1-4
KRNET IX 15 19 09 15.0–.10 42.84N 69.93E 2.8b ¶622410605
NNC IX 15 19 09 14.4–.28 42.80N 69.92E 0 2.6b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.2km s-min=1.4km az=143.0.
ISC IX 12 15 07 07.2–1.1 41.58N–.03 68.93E–.03 12–8 73 1-12
SOME IX 12 15 07 07.8 41.38N 69.32E 10 ¶622410518
KRNET IX 12 15 07 08.7–.10 41.51N 69.15E 3.5b
ISU IX 12 15 07 08 41.54N 69.15E 20 3.5b
NNC IX 12 15 07 12.5–2.3 42.04N 68.53E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.8km s-min=10.6km az=27.0.
ISC IX 14 19 11 23.4–1.8 41.28N–.03 68.79E–.03 19–4 51 0-8
SOME IX 14 19 11 21.9 41.20N 68.97E 5 ¶624940349
ISU IX 14 19 11 21 41.26N 68.74E 14
NNC IX 14 19 11 22.8–1.2 41.23N 68.85E 0 3.8,3.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=5.9km az=45.0.
ISC IX 20 16 19 04.5–2.6 42.19N–.06 69.1E–.10 10 12 1-3
KRNET IX 20 16 19 04.2–.10 42.09N 69.25E 2.5b ¶622410766
ISC Event type se.
ISC IX 20 21 02 12.0–1.4 43.48N–.07 73.73E–.03 22–9 38 1-2
KRNET IX 20 21 02 11.2–.10 43.47N 73.71E 24 2.8b ¶622410773
KNET IX 20 21 02 12.7–.36 43.41N 73.79E 16–2 1.6L
ISC Event type se.
KNET Error ellipse: s-maj=3.0km s-min=1.5km az=161.0.
NNC IX 30 02 48 12.8–6.1 41.75N 66.96E 0 3.6b,3.2
¶624940951
NNC Event type se. Error ellipse: s-maj=43.5km s-min=33.6km az=45.0.
ISC X 13 20 05 28.0–1.6 43.33N–.06 74.11E–.05 20–4 54 0-3
KRNET X 13 20 05 28.0–.10 43.35N 74.22E 29 2.8b ¶622411370
SOME X 13 20 05 27.7 43.38N 74.15E 15 2.8b
NNC X 13 20 05 28.2–1.2 43.34N 74.22E 0 3.0b,2.5
KNET X 13 20 05 28.8–.40 43.29N 74.22E 20–3 1.4L,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=3.6km az=119.0.
KNET Error ellipse: s-maj=3.2km s-min=1.4km az=166.0.
ISC XI 23 06 17 37.9–.91 42.42N–.03 69.95E–.04 10 20 0-4
SOME XI 23 06 17 37.9 42.25N 69.75E 20 ¶622412536
KRNET XI 23 06 17 37.9–.10 42.26N 69.84E 26 2.5b
ISC Event type se.
IDC XI 24 13 15 18.4–419 47.43N 66.88E 0
¶621613984
IDC Error ellipse: s-maj=169.6km s-min=138.6km az=148.0.
ISC XI 27 06 06 21.6–1.8 42.69N–.05 70.2E–.10 19–3 28 0-3
KRNET XI 27 06 06 16.3–.10 42.74N 70.01E 2.6b ¶622412652
NNC XI 27 06 06 17.9–.54 42.45N 70.33E 0 1.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=59.4km s-min=2.8km az=101.0.
ISC XII 01 03 35 34.5–.88 51.04N–.07 73.79E–.06 10 19 3-60
IDC XII 01 03 35 32.9–1.1 50.98N 73.63E 0 3.6b,3.3 ¶621629784
NNC XII 01 03 35 33.7–1.5 51.12N 73.91E 0 3.7b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=9.1km az=17.0.
NNC Event type se. Error ellipse: s-maj=16.8km s-min=13.9km az=2.0.
SOME XII 05 00 04 18.0 45.00N 74.45E 10
¶626535946
ISC XII 13 05 47 14.6–.98 42.69N–.02 70.26E–.04 11–10 45 0-4
KRNET XII 13 05 47 14.6–.10 42.67N 70.40E 11 2.8b ¶622413101
NNC XII 13 05 47 14.6–.09 42.68N 70.30E 0 3.0,3.0b
SOME XII 13 05 47 14.8 42.72N 70.27E 15 3.0,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=1.0km s-min=0.5km az=121.0.

(714) Southeastern Uzbekistan.

ISU XII 30 13 33 22 39.28N 67.69E 5
¶625882925

(715) Tajikistan.

ISC VII 04 18 16 22.5–.47 39.13N–.04 71.90E–.03 48–4 4.3b,3.5s 216 1-151
BJI VII 04 18 16 14.1 39.25N 71.54E 12 4.5b,4.5b ¶620733591
IDC VII 04 18 16 15.4–.56 38.92N 71.92E 0 4.1,4.0b
KRNET VII 04 18 16 19.2–.10 39.37N 71.94E 8 4.5b,4.0b
NNC VII 04 18 16 19.0–1.9 39.72N 72.30E 0 4.5b,4.2
NEIC VII 04 18 16 23.6–2.5 39.26N–.05 71.77E–.07 55–4 4.4b,4.2
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 06 14 17 59.2–.40 37.28N–.04 72.35E–.05 50 4.4b,3.2s 346 3-86
NNC VII 06 14 17 53.8–2.0 37.22N 71.47E 0 4.8b,4.5 ¶620754155
MOS VII 06 14 17 53.5–1.4 37.27N 72.35E 12 4.5b,4.5
NEIC VII 06 14 17 59.3–1.5 37.30N–.06 72.29E–.04 50–8 4.5b,4.5
GFZ VII 06 14 18 00.8–.38 37N–3.0 73E–5.0 74–5 4.6b,4.6
IDC VII 06 14 18 01.5–3.2 37.34N 72.55E 72–27 4.1,3.8b
BJI VII 06 14 18 03.0 37.40N 73.04E 60 4.4b,4.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.9km s-min=11.8km az=2.0.
MOS Error ellipse: s-maj=6.4km s-min=3.7km az=92.8.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.4km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=21.3km s-min=12.3km az=15.0.
ISC VII 06 18 16 11.7–.39 38.09N–.04 72.70E–.04 119 4.3b 287 2-82
NNC VII 06 18 16 10.8–1.9 38.54N 72.74E 0 4.8b,4.4 ¶620757323
IDC VII 06 18 16 11.6–3.2 38.11N 72.71E 107–26 4.2,3.8b
NEIC VII 06 18 16 12.5–1.5 38.16N–.05 72.74E–.07 117–8 4.4b,3.8b
GFZ VII 06 18 16 13.1–.20 38N–3.0 73E–2.0 121 4.3b,4.3
SOME VII 06 18 16 17.6 38.83N 72.55E 10 4.3b,4.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.2km s-min=9.8km az=11.0.
IDC Error ellipse: s-maj=22.8km s-min=13.4km az=14.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=116.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 07 15 25 29.1–1.0 40.14N–.04 70.63E–.03 9–8 41 0-4
KRNET VII 07 15 25 28.2–.10 40.11N 70.59E 2.7b ¶621251435
ISU VII 07 15 25 28 40.14N 70.69E 5 2.7b
ISC Event type se.
ISC VII 07 22 52 09.2–.44 37.43N–.04 72.02E–.05 130 3.9b 132 3-84
NEIC VII 07 22 52 10.9–1.6 37.51N–.04 71.95E–.09 133–5 4.1b ¶620772584
IDC VII 07 22 52 10.6–3.6 37.47N 72.24E 142–28 3.9,3.3b
NNC VII 07 22 52 14.4–6.0 37.78N 71.97E 141–82 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.3km s-min=16.1km az=176.0.
NNC Event type se. Error ellipse: s-maj=56.7km s-min=33.9km az=14.0.
IDC VII 09 03 41 54.0–25 37.09N 73.94E 390–206 3.4,2.9b
¶620928220
IDC Error ellipse: s-maj=319.8km s-min=92.6km az=70.0.
ISC VII 09 21 12 40.8–2.8 38.3N–.20 69.7E–.10 12 14 5-15
NNC VII 09 21 12 28.6–7.3 37.50N 69.93E 0 4.1b,3.9 ¶621251535
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=57.9km s-min=41.3km az=171.0.
ISC VII 10 02 43 57.4–2.9 39.08N–.09 70.46E–.06 14–16 3.8b 40 1-56
IDC VII 10 02 43 56.6–2.6 39.30N 70.44E 0 3.9b,3.9 ¶620928311
KRNET VII 10 02 43 57.4–.10 39.05N 70.53E 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=14.1km az=154.0.
ISC VII 10 03 03 39.8–2.1 39.04N–.07 70.54E–.05 2–11 3.7b 58 1-84
IDC VII 10 03 03 37.8–1.2 38.79N 70.70E 0 3.8,3.7b ¶620928316
KRNET VII 10 03 03 39.0–.10 39.03N 70.63E 3.7b,3.7b
NNC VII 10 03 03 41.3–1.1 39.12N 70.43E 0 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=10.7km az=140.0.
NNC Event type se. Error ellipse: s-maj=9.1km s-min=6.7km az=42.0.
ISC VII 10 03 55 51.6–2.7 39.04N–.08 70.75E–.05 1–17 3.7b 38 1-79
NNC VII 10 03 55 51.9–2.3 38.85N 70.19E 0 4.3b,3.9 ¶620928322
KRNET VII 10 03 55 52.6–.10 39.03N 70.99E 3.6b,3.9
IDC VII 10 03 56 01.4–6.2 39.35N 70.59E 61–45 3.7,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.3km s-min=14.8km az=8.0.
IDC Error ellipse: s-maj=57.6km s-min=27.8km az=176.0.
ISC VII 10 05 48 05.9–.89 39.03N–.03 70.62E–.03 11–5 4.3b,3.5s 387 1-93
BJI VII 10 05 48 01.4 39.18N 70.30E 10 4.5b,4.5b ¶620787261
KRNET VII 10 05 48 04.0–.10 39.01N 70.62E 4.9b,4.5b
IDC VII 10 05 48 03.4–.66 38.88N 70.66E 0 4.2,4.0b
MOS VII 10 05 48 05.7–1.1 38.97N 70.59E 20 4.6b,4.0b
NEIC VII 10 05 48 06.4–1.8 39.05N–.04 70.57E–.06 10–1 4.6b,4.0b
BGR VII 10 05 48 07.9 39.71N 71.84E 33 4.1b,4.0b
NNC VII 10 05 48 07.6–2.8 39.16N 70.40E 9–10 4.6b,4.4
SOME VII 10 05 48 09.9 39.05N 70.72E 15 4.6b,4.4
GFZ VII 10 05 48 11.8–.19 39N–3.0 71E–2.0 56 4.4,4.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NNC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 10 06 06 06.2–1.1 39.07N–.08 70.48E–.06 17 3.8b 53 1-42
IDC VII 10 06 05 59.3–4.5 38.49N 70.56E 0 3.8b,3.7 ¶620928333
KRNET VII 10 06 06 03.7–.10 39.05N 70.61E 3.7b,3.7
NEIC VII 10 06 06 06.3–2.1 39.13N–.03 70.5E–.10 10–2 4.1b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 06 06 58.6–1.5 39.09N–.04 70.50E–.04 1–9 4.2b 198 1-86
NNC VII 10 06 06 55.8–2.7 38.81N 70.45E 0 4.7b,4.1 ¶620787262
KRNET VII 10 06 06 55.2–.10 39.03N 70.61E 4.4b,4.1
IDC VII 10 06 06 56.9–.78 38.85N 70.48E 0 4.1b,4.1
NEIC VII 10 06 07 01.0–1.5 39.13N–.03 70.39E–.08 10–1 4.3b,4.1
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 10 14 24 29.0–1.1 39.04N–.08 70.58E–.05 17 3.5b 48 1-75
KRNET VII 10 14 24 25.8–.10 39.01N 70.52E 3.7b ¶620928362
IDC VII 10 14 24 25.5–2.4 38.82N 70.51E 0 3.8,3.8s
NNC VII 10 14 24 28.6–1.4 39.01N 70.25E 0 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=12.8km az=148.0.
NNC Event type se. Error ellipse: s-maj=11.7km s-min=8.2km az=1.0.
ISC VII 10 17 17 42.2–2.4 39.1N–.10 70.37E–.07 10 61 1-8
NNC VII 10 17 17 39.8–6.3 39.18N 70.53E 0 3.7b,3.3 ¶620787387
KRNET VII 10 17 17 40.4–.10 39.05N 70.39E 3.7b,3.3
SOME VII 10 17 17 41.8 39.37N 70.57E 10 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=45.4km s-min=27.9km az=26.0.
KRNET VII 10 18 03 35.7–.10 39.19N 70.13E 3.0b
¶622421619
ISC VII 11 01 11 21.0–2.0 39.1N–.10 70.80E–.06 10 30 1-15
SOME VII 11 01 11 13.9 38.95N 71.53E 15 ¶621251579
KRNET VII 11 01 11 17.4–.10 39.02N 70.65E 3.2b
NNC VII 11 01 11 27.0–5.6 39.46N 71.11E 0 3.5b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=49.1km s-min=33.2km az=16.0.
ISC VII 11 01 20 56.2–.00 39.03N–.07 70.56E–.05 17 3.5b 65 1-79
IDC VII 11 01 20 52.0–2.8 38.74N 70.52E 0 3.6,3.5b ¶620787396
KRNET VII 11 01 20 54.1–.10 39.02N 70.59E 4.0b,3.5b

NNC VII 11 01 20 56.5–6.3 39.01N 70.29E 1–24 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=55.8km s-min=14.7km az=151.0.
NNC Event type se. Error ellipse: s-maj=40.8km s-min=27.6km az=172.0.
ISC VII 11 01 34 47.4–1.4 39.02N–.04 70.63E–.04 3–8 4.0b,3.3s 204 1-86
KRNET VII 11 01 34 45.6–.10 39.01N 70.51E 4.2b,3.3s **¶620787422**
NNC VII 11 01 34 47.6–4.5 38.85N 70.20E 5–15 4.7b,4.4
MOS VII 11 01 34 47.6–1.1 39.02N 70.56E 9 4.4b,4.4
SOME VII 11 01 34 48.9 39.33N 71.48E 5 4.4b,4.4
NEIC VII 11 01 34 49.1–1.3 39.10N–.04 70.7E–.20 10–1 4.4b,4.4
IDC VII 11 01 34 53.3–3.5 38.99N 70.67E 52–29 3.9,3.7L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.2km s-min=20.7km az=170.0.
MOS Error ellipse: s-maj=7.8km s-min=4.3km az=67.6.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=6.4km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=15.4km az=11.0.
ISC VII 11 05 00 47.0–2.1 39.42N–.08 71.07E–.04 15–10 40 1-41
SOME VII 11 05 00 42.2 39.23N 71.35E 20 **¶620928406**
NNC VII 11 05 00 43.6–6.0 38.97N 70.13E 3–21 4.2,4.1b
KRNET VII 11 05 00 44.6–.10 39.07N 70.76E 3.6b,4.1b
IDC VII 11 05 00 44.0–3.9 39.13N 70.41E 0 3.9b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.3km s-min=28.9km az=170.0.
IDC Error ellipse: s-maj=67.8km s-min=20.7km az=154.0.
ISC VII 11 05 19 38.6–2.3 39.12N–.08 70.51E–.06 4–12 42 1-84
IDC VII 11 05 19 33.3–1.8 38.34N 70.89E 0 3.8b,3.7 **¶620928407**
SOME VII 11 05 19 35.9 39.12N 71.27E 15 3.8b,3.7
KRNET VII 11 05 19 37.7–.10 39.03N 70.64E 3.4b,3.7
NNC VII 11 05 19 41.7–4.9 39.17N 69.98E 0 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=18.5km az=130.0.
NNC Event type se. Error ellipse: s-maj=38.7km s-min=28.7km az=9.0.
ISC VII 11 06 49 13.8–1.4 39.19N–.04 71.23E–.03 7–8 3.9b,3.2s 126 1-83
IDC VII 11 06 49 12.0–1.2 38.80N 70.61E 0 3.7b,3.7 **¶620787428**
NNC VII 11 06 49 12.1–3.5 38.81N 70.21E 4–13 4.7b,4.5
MOS VII 11 06 49 13.9–1.0 39.01N 70.54E 9 4.3b,4.5
KRNET VII 11 06 49 13.4–.10 39.00N 70.63E 4.0b,4.5
SOME VII 11 06 49 13.7 39.17N 71.28E 15 4.0b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=10.5km az=145.0.
NNC Event type se. Error ellipse: s-maj=25.9km s-min=20.2km az=28.0.
MOS Error ellipse: s-maj=9.7km s-min=4.8km az=64.3.
ISC VII 12 00 36 55.5–2.5 39.15N–.10 70.75E–.06 1–13 38 1-14
KRNET VII 12 00 36 51.8–.10 39.01N 70.64E 3.4b **¶621251608**
NNC VII 12 00 36 53.7–5.3 38.97N 70.52E 0 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=49.0km s-min=28.7km az=167.0.
ISC VII 12 03 20 05.4–1.8 39.00N–.05 70.64E–.04 9–10 3.9b 143 1-86
IDC VII 12 03 20 02.5–.91 38.72N 70.58E 0 3.9,3.8b **¶620787526**
MOS VII 12 03 20 04.6–1.3 38.90N 70.64E 13 4.4b,3.8b
KRNET VII 12 03 20 05.1–.10 39.01N 70.69E 4.3b,3.8b
NNC VII 12 03 20 06.5–3.4 39.02N 70.17E 0 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=12.0km az=154.0.
MOS Error ellipse: s-maj=9.3km s-min=4.6km az=70.0.
NNC Event type se. Error ellipse: s-maj=28.5km s-min=17.3km az=2.0.
ISC VII 12 06 00 43.1–1.7 39.24N–.09 70.52E–.06 10 36 1-14
KRNET VII 12 06 00 40.2–.10 39.02N 70.51E 3.6b **¶621251619**
NNC VII 12 06 00 44.4–5.1 39.09N 70.37E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=47.0km s-min=26.3km az=168.0.
ISC VII 12 06 54 59.2–1.8 39.12N–.10 70.64E–.06 10 26 1-14
KRNET VII 12 06 54 55.1–.10 39.02N 70.57E 3.5b **¶621251625**
NNC VII 12 06 55 00.7–7.3 39.10N 70.43E 0 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=73.3km s-min=35.8km az=166.0.
ISC VII 12 07 14 24.1–2.4 39.3N–.10 70.82E–.07 10 37 1-6
KRNET VII 12 07 14 18.8–.10 39.03N 70.71E 3.8b **¶621251629**
NNC VII 12 07 14 21.4–8.1 39.14N 70.22E 0 3.9,3.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=66.6km s-min=44.4km az=26.0.
KRNET VII 12 07 15 08.9–.10 39.05N 70.71E 4.0b
¶626327400
ISC VII 12 17 15 30.6–1.8 39.31N–.09 70.76E–.05 10 26 1-14
KRNET VII 12 17 15 28.2–.10 39.06N 70.76E 3.4b **¶621251658**
NNC VII 12 17 15 31.7–7.2 39.19N 70.22E 0 3.9,3.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=58.0km s-min=38.2km az=2.0.
ISC VII 13 01 08 37.6–1.6 39.02N–.04 70.70E–.04 10–10 4.0b 192 1-86
IDC VII 13 01 08 35.3–.77 38.88N 70.64E 0 3.9,3.8b **¶620804950**
MOS VII 13 01 08 36.2–1.5 38.98N 70.77E 7 4.3b,3.8b
KRNET VII 13 01 08 36.7–.10 39.02N 70.40E 4.2b,3.8b
NEIC VII 13 01 08 38.2–1.8 39.02N–.04 70.7E–.10 10–1 4.2b,3.8b
NNC VII 13 01 08 41.5–2.9 39.12N 70.26E 23–16 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=8.7km az=146.0.
MOS Error ellipse: s-maj=8.2km s-min=4.9km az=79.4.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=5.7km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=23.3km s-min=15.7km az=29.0.
ISC VII 13 20 56 05.0–1.3 39.14N–.08 70.76E–.05 10 3.6b 38 1-41
NNC VII 13 20 55 53.8–8.5 38.03N 70.87E 0 4.0b,3.6 **¶620928563**
IDC VII 13 20 55 58.3–3.4 38.53N 70.88E 0 3.7b,3.5
KRNET VII 13 20 56 02.4–.10 39.04N 70.66E 3.3b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=66.2km s-min=50.6km az=175.0.
IDC Error ellipse: s-maj=51.8km s-min=19.8km az=154.0.
ISC VII 16 19 09 15.8–1.9 39.31N–.08 70.78E–.05 10 36 1-13
SOME VII 16 19 09 10.7 39.23N 71.42E 10 **¶621251844**
NNC VII 16 19 09 12.4–3.3 38.56N 70.31E 102–73 3.1,2.7b
KRNET VII 16 19 09 12.1–.10 39.01N 70.78E 3.1b,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.5km s-min=17.1km az=177.0.
ISC VII 18 21 02 16.5–1.8 39.27N–.06 70.84E–.03 6–9 3.5b 75 1-92
SOME VII 18 21 02 15.1 39.15N 70.92E 15 3.5b **¶620928845**
KRNET VII 18 21 02 16.4–.10 39.02N 70.56E 4.0b
IDC VII 18 21 02 17.7–2.0 39.14N 70.42E 0 3.8,3.7b
NNC VII 18 21 02 17.9–3.0 39.00N 70.19E 0 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=13.3km az=155.0.
NNC Event type se. Error ellipse: s-maj=24.0km s-min=18.7km az=16.0.
ISC VII 21 00 22 56.4–2.2 39.1N–.10 70.50E–.07 17 22 1-13
KRNET VII 21 00 22 52.4–.10 39.08N 70.34E 3.0b **¶621251987**
NNC VII 21 00 22 59.2–5.4 39.52N 70.43E 0 3.3b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=47.6km s-min=22.8km az=179.0.
ISC VII 24 19 29 22.2–2.5 39.20N–.10 70.75E–.07 6–14 21 1-13
KRNET VII 24 19 29 19.1–.10 39.00N 70.70E 3.2b **¶621252152**
NNC VII 24 19 29 20.5–3.5 38.65N 70.30E 110–86 3.2,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.7km s-min=23.0km az=178.0.
ISC VII 26 18 35 53.8–2.5 39.1N–.10 70.88E–.06 3–12 57 1-15
KRNET VII 26 18 35 54.1–.10 39.07N 70.95E 3.8b **¶620847092**
NNC VII 26 18 35 59.9–2.5 39.26N 70.77E 22–12 4.0b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.1km s-min=9.4km az=179.0.
ISC VII 25 00 14 24.9–2.1 39.1N–.10 70.66E–.07 10 25 1-13
KRNET VII 25 00 14 24.5–.10 39.03N 70.73E 3.1b **¶621252160**

NNC VII 25 00 14 25.7–3.9 38.79N 70.59E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.3km s-min=19.3km az=166.0.
ISC VII 26 19 05 47.5–2.3 37.9N–.20 72.4E–.10 200 14 5-43
NNC VII 26 19 05 46.6–11 37.84N 72.01E 154–176 3.2,2.5b **¶620973871**
IDC VII 26 19 05 47.9–8.2 37.91N 72.56E 206–54 3.5,3.4s
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=113.3km s-min=63.3km az=3.0.
IDC Error ellipse: s-maj=77.8km s-min=47.2km az=177.0.
ISC VII 27 10 41 30.8–.42 37.90N–.04 72.67E–.05 150 4.1b 143 2-82
BJI VII 27 10 41 29.0 37.94N 72.58E 150 4.4b **¶620856919**
IDC VII 27 10 41 30.2–2.5 37.86N 72.74E 122–20 4.2,3.7b
NEIC VII 27 10 41 31.6–.83 37.98N–.05 72.71E–.07 148–8 4.3b,3.7b
NNC VII 27 10 41 36.5–4.1 38.35N 72.29E 168–53 4.5,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=12.5km az=146.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=3.7km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=39.2km s-min=22.5km az=14.0.
ISC VIII 02 17 13 33.9–2.2 39.1N–.10 70.42E–.07 17 23 1-13
KRNET VIII 02 17 13 32.6–.10 39.11N 70.42E 3.0b **¶622406836**
NNC VIII 02 17 13 35.5–4.1 38.92N 70.43E 147–60 3.1,2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.3km s-min=20.1km az=3.0.
ISC VII 28 13 45 52.5–1.8 39.40N–.09 71.60E–.03 7–10 40 0-13
KRNET VII 28 13 45 49.7–.10 39.22N 71.56E 12 3.4b **¶621252305**
SOME VII 28 13 45 50.8 39.35N 71.38E 15 3.4b
NNC VII 28 13 45 51.3–4.5 39.17N 71.14E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.6km s-min=21.4km az=3.0.
ISC VIII 07 19 31 11.8–3.5 37.5N–.20 73.2E–.10 10 10 5-47
NNC VIII 07 19 31 12.6–5.7 37.64N 73.56E 0–22 3.5b,3.0 **¶621000731**
IDC VIII 07 19 31 28.6–3.0 38.78N 73.74E 0 4.4s,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=43.4km s-min=28.1km az=163.0.
IDC Error ellipse: s-maj=38.2km s-min=28.4km az=71.0.
ISC VIII 04 18 42 39.4–2.8 39.1N–.10 70.65E–.09 10 31 1-5
NNC VIII 04 18 42 29.9–10 38.90N 71.17E 0 4.2,4.0b **¶622406872**
KRNET VIII 04 18 42 36.4–.10 39.03N 70.49E 3.5b,4.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=78.1km s-min=52.2km az=19.0.
ISC VIII 08 10 34 59.7–1.2 37.8N–.10 73.0E–.10 10 3.7b,2.8s 20 5-84
NNC VIII 08 10 34 57.2–7.3 37.50N 72.32E 0 4.0b,3.6 **¶621002128**
IDC VIII 08 10 34 59.0–1.2 37.91N 73.00E 0 3.6b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=55.8km s-min=40.3km az=164.0.
IDC Error ellipse: s-maj=22.6km s-min=18.7km az=84.0.
ISC VIII 07 21 54 55.8–1.7 38.6N–.10 69.19E–.07 10 3.5b 25 4-42
IDC VIII 07 21 54 49.3–4.3 37.98N 69.68E 0 3.6b,3.4 **¶621000743**
SOME VIII 07 21 54 53.0 39.13N 69.33E 5 3.6b,3.4
NNC VIII 07 21 54 56.8–4.4 38.77N 69.15E 0 3.6b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=68.2km s-min=26.7km az=158.0.
NNC Event type se. Error ellipse: s-maj=35.3km s-min=24.6km az=155.0.
ISC VIII 07 20 03 11.9–.35 39.05N–.03 70.60E–.02 10 4.3b,3.3s 421 1-92
SOME VIII 07 20 03 08.6 39.12N 70.37E 15 4.3b,3.3s **¶620976248**
IDC VIII 07 20 03 09.4–.62 38.94N 70.56E 0 4.1b,4.1
MOS VIII 07 20 03 10.8–1.1 38.93N 70.52E 11 4.6b,4.1
KRNET VIII 07 20 03 11.2–.10 39.04N 70.66E 4.5b,4.1
NNC VIII 07 20 03 12.7–1.5 39.24N 70.34E 0 4.5b,4.1
NEIC VIII 07 20 03 12.6–1.5 39.11N–.03 70.62E–.10 10–1 4.5b,4.1
GFZ VIII 07 20 03 13.2–.20 39N–3.0 71E–2.0 10 4.5b,4.3
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 20 12 09 28.1–2.8 39.2N–.20 70.1E–.10 10 11 4-14
NNC VIII 20 12 09 18.1–4.5 38.67N 69.24E 0 4.0b,3.6 **¶625786397**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.3km s-min=24.9km az=5.0.
ISC VIII 15 05 51 37.8–.74 37.36N–.06 72.21E–.10 200 3.7b 39 5-52
IDC VIII 15 05 51 41.8–7.7 37.61N 72.09E 195–50 4.0,3.7s **¶621023553**
NNC VIII 15 05 51 45.8–2.2 37.96N 72.20E 224–21 3.6,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=74.1km s-min=42.0km az=174.0.
NNC Event type se. Error ellipse: s-maj=23.0km s-min=15.7km az=31.0.
ISC VIII 17 23 28 34.0–1.8 39.32N–.09 70.54E–.07 10 27 1-14
NNC VIII 17 23 28 27.3–3.0 38.75N 70.22E 0 3.9b,3.5 **¶622409951**
KRNET VIII 17 23 28 30.1–.10 39.10N 70.40E 3.2b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.1km s-min=14.0km az=163.0.
ISC VIII 18 02 48 45.9–1.1 40.11N–.03 70.44E–.02 8–9 69 0-7
KRNET VIII 18 02 48 43.4–.10 40.02N 70.31E 11 3.2b **¶622409955**
SOME VIII 18 02 48 43.9 39.97N 70.42E 20 3.2b
ISU VIII 18 02 48 46 40.13N 70.24E 27 3.2b
NNC VIII 18 02 48 46.3–2.4 40.08N 70.26E 0 3.9b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.1km s-min=10.2km az=25.0.
ISC VIII 09 00 07 04.7–.65 37.97N–.05 72.93E–.07 10 3.8b 46 5-84
IDC VIII 09 00 07 02.4–1.0 37.93N 73.30E 0 3.8,3.7b **¶621007208**
NNC VIII 09 00 07 05.5–3.5 38.09N 73.13E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=13.6km az=94.0.
NNC Event type se. Error ellipse: s-maj=26.7km s-min=17.0km az=162.0.
ISC VIII 17 20 22 48.1–.89 39.53N–.04 71.40E–.02 10 71 0-5
KRNET VIII 17 20 22 46.4–.10 39.59N 71.38E 9 3.2b **¶622409946**
ISU VIII 17 20 22 49 39.61N 71.47E 8 3.2b
ISC Event type se.
ISC VIII 21 02 03 02.6–.50 37.76N–.05 72.55E–.05 119 3.8b 103 3-76
IDC VIII 21 02 03 02.5–4.5 37.81N 72.76E 120–39 3.9,3.5b **¶620999181**
NEIC VIII 21 02 03 05.4–1.5 37.97N–.07 72.56E–.07 132–10 4.3b,3.5b
NNC VIII 21 02 03 07.9–3.0 38.30N 72.41E 188–39 3.9,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=31.4km az=128.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.9km az=155.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=31.9km s-min=12.1km az=10.0.
ISC VIII 22 21 01 11.6–.98 39.57N–.02 71.83E–.02 4–7 4.0b 189 0-85
IDC VIII 22 21 01 11.8–1.5 39.61N 71.75E 0 3.7b,3.5 **¶620999706**
KRNET VIII 22 21 01 11.1–.10 39.60N 71.81E 11 3.8b,3.5
NNC VIII 22 21 01 13.3–2.7 39.53N 71.86E 0 4.3b,3.9
ISU VIII 22 21 01 14 39.63N 71.86E 25 4.3b,3.9
SOME VIII 22 21 01 15.0 39.67N 71.88E 15 4.3b,3.9
NEIC VIII 22 21 01 16.7–1.8 39.73N–.06 71.49E–.04 24–9 4.2b,3.9
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 23 10 23 26.4–3.0 40.91N–.07 69.0E–.10 10 15 2-4
KRNET VIII 23 10 23 26.9–.10 40.92N 69.18E 3.1b **¶622410053**
ISC Event type se.
ISC VIII 24 11 00 57.5–.89 40.17N–.03 71.04E–.02 13–8 45 0-3
KRNET VIII 24 11 00 57.1–.10 40.15N 71.02E 8 2.8b **¶622410074**
ISU VIII 24 11 00 57 40.08N 70.95E 24 2.8b
ISC Event type se.
ISC VIII 28 21 38 52.7–2.0 39.34N–.09 71.75E–.04 10 41 0-5
KRNET VIII 28 21 38 49.6–.10 39.20N 71.73E 12 3.6b **¶622410175**

ISC Event type se.
ISC IX 11 01 34 05.0–.54 37.47N–.05 72.34E–.06 200 3.6b 83 3-80
NNC IX 11 01 34 06.1–6.9 37.90N 71.84E 0 4.4b,4.1 ¶621069026
IDC IX 11 01 34 06.3–5.0 37.58N 72.27E 187–32 3.9,3.3b
NEIC IX 11 01 34 06.1–1.4 37.57N–.07 72.3E–.10 188–9 4.0b,3.3b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 05 07 48 00.5–.68 37.72N–.05 72.20E–.07 130 3.9b 45 3-48
IDC IX 05 07 48 00.8–9.1 37.71N 72.59E 122–66 3.9,3.5b ¶621086390
NEIC IX 05 07 48 01.2–1.1 37.81N–.06 72.1E–.10 124–10 4.0b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 30 04 11 54.6–.91 39.37N–.05 70.95E–.04 10 3.7b 70 1-84
NNC VIII 30 04 11 42.8–10 38.30N 70.26E 4–192 4.2,4.1b ¶621010119
IDC VIII 30 04 11 52.3–1.4 39.18N 71.12E 0 3.7b,3.6
KRNET VIII 30 04 11 53.7–.10 39.32N 70.94E 3.7b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=194.1km s-min=39.0km az=9.0.
IDC Error ellipse: s-maj=29.9km s-min=22.4km az=134.0.
ISC IX 04 02 04 36.7–1.0 39.08N–.07 70.51E–.05 10 3.6b 51 1-84
IDC IX 04 02 04 28.8–1.6 38.13N 70.74E 0 3.7b,3.7 ¶621081613
KRNET IX 04 02 04 35.6–.10 39.03N 70.53E 3.9b,3.7
NNC IX 04 02 04 40.8–2.3 38.89N 70.25E 70–50 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=18.9km az=158.0.
NNC Event type se. Error ellipse: s-maj=20.6km s-min=12.1km az=0.0.
ISC IX 04 14 16 44.0–.48 37.41N–.05 72.10E–.05 130 3.8b 100 3-84
NEIC IX 04 14 16 46.0–1.7 37.53N–.06 72.09E–.06 146–9 4.1b ¶621035313
IDC IX 04 14 16 46.1–4.5 37.50N 72.28E 144–38 3.9,3.4b
NNC IX 04 14 16 50.2–3.2 37.89N 72.03E 181–29 4.3,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.9km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.5km s-min=15.6km az=19.0.
NNC Event type se. Error ellipse: s-maj=30.6km s-min=14.8km az=22.0.
ISC IX 15 12 59 39.8–3.4 39.8N–.10 69.0E–.20 18 11 1-4
KRNET IX 15 12 59 37.1–.10 39.76N 69.10E 2.6b ¶622410599
ISC Event type se.
ISC IX 14 02 00 08.6–2.1 39.23N–.10 71.72E–.04 10–9 29 0-15
KRNET IX 14 02 00 07.9–.10 39.21N 71.72E 22 3.4b ¶621072664
SOME IX 14 02 00 07.3 39.33N 72.08E 5 3.4b
NNC IX 14 02 00 10.2–10 39.02N 71.56E 7–237 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=259.2km s-min=36.9km az=6.0.
ISC IX 21 17 15 53.4–1.2 40.13N–.03 70.97E–.03 19–2 25 0-3
KRNET IX 21 17 15 52.0–.10 40.05N 71.02E 17 2.6b ¶622410797
ISU IX 21 17 15 56 40.16N 70.77E 10 2.6b
ISC Event type se.
ISC IX 19 09 23 59.1–2.3 37.3N–.20 73.6E–.20 35 12 5-83
NNC IX 19 09 23 36.9–3.0 37.29N 73.51E 0 3.9b,3.6 ¶621113615
IDC IX 19 09 23 56.2–3.1 37.47N 74.03E 0 3.8b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=12.1km az=7.0.
IDC Error ellipse: s-maj=39.6km s-min=36.0km az=72.0.
ISC IX 19 13 32 17.5–.81 38.59N–.06 69.51E–.06 12 3.9b 45 4-65
SOME IX 19 13 32 12.9 38.90N 71.13E 5 3.9b ¶621113626
IDC IX 19 13 32 14.9–1.5 38.57N 69.84E 0 3.9b,3.9
NNC IX 19 13 32 15.4–1.9 38.58N 69.40E 0 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=11.6km az=149.0.
NNC Event type se. Error ellipse: s-maj=15.0km s-min=11.0km az=5.0.
ISC IX 17 15 31 16.5–1.7 39.26N–.05 71.12E–.05 17–10 3.9b 49 1-83
IDC IX 17 15 31 12.4–1.8 38.87N 70.60E 0 3.8b,3.7 ¶621081722
KRNET IX 17 15 31 13.4–.10 39.03N 70.73E 3.7b,3.7
NNC IX 17 15 31 17.9–5.3 39.13N 70.19E 4–17 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=27.0km az=170.0.
NNC Event type se. Error ellipse: s-maj=36.8km s-min=23.3km az=176.0.
ISC IX 25 21 02 25.7–2.2 39.1N–.10 70.76E–.06 10 22 1-13
KRNET IX 25 21 02 24.6–.10 39.05N 70.77E 2.7b ¶622410928
ISC Event type se.
ISC IX 24 21 56 32.7–1.1 40.27N–.02 70.44E–.02 5–8 3.7b 127 0-87
IDC IX 24 21 56 31.9–1.1 40.14N 70.46E 0 3.8b,3.8 ¶621109873
KRNET IX 24 21 56 34.4–.10 40.33N 70.54E 20 3.9b,3.8
SOME IX 24 21 56 34.2 40.23N 70.32E 15 3.9b,3.8
ISU IX 24 21 56 35 40.20N 70.32E 24 3.9b,3.8
NNC IX 24 21 56 36.5–2.7 40.40N 70.33E 13–13 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=12.2km az=155.0.
NNC Event type se. Error ellipse: s-maj=20.0km s-min=8.2km az=24.0.
ISC IX 27 12 01 38.3–14 38.8N–.90 72.8E–.10 10 3.6b 5 4-67
NNC IX 27 12 01 13.5–5.1 37.29N 73.01E 0 4.0b,3.7 ¶621140711
IDC IX 27 12 01 38.3–1.5 38.02N 73.07E 0 3.7b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.9km s-min=26.7km az=2.0.
IDC Error ellipse: s-maj=27.8km s-min=27.2km az=170.0.
ISC IX 27 05 53 22.7–1.1 38.17N–.08 72.94E–.07 10 3.7b 26 5-79
IDC IX 27 05 53 19.0–1.5 37.93N 73.07E 0 3.8b,3.8 ¶621140681
NNC IX 27 05 53 29.3–2.8 38.49N 73.13E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=14.2km az=126.0.
NNC Event type se. Error ellipse: s-maj=21.2km s-min=11.7km az=1.0.
ISC IX 28 00 36 42.9–.68 37.91N–.06 73.02E–.08 10 3.6b 37 5-80
IDC IX 28 00 36 39.1–1.3 37.55N 73.19E 0 3.7b,3.7 ¶621140787
NNC IX 28 00 36 48.1–1.8 38.29N 73.09E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=13.4km az=131.0.
NNC Event type se. Error ellipse: s-maj=14.5km s-min=10.8km az=14.0.
ISC X 11 12 21 48.3–2.8 39.1N–.10 70.82E–.08 10 18 1-4
KRNET X 11 12 21 49.3–.10 39.10N 71.04E 2.8b ¶622411303
ISC Event type se.
ISC IX 29 12 41 26.0–.70 40.04N–.02 71.70E–.02 30–5 4.3b,3.2s 313 0-151
IDC IX 29 12 41 21.5–.73 40.00N 71.82E 0 4.0,3.9b ¶621112994
MOS IX 29 12 41 26.6–.89 40.11N 71.72E 37 4.5b,3.9b
KRNET IX 29 12 41 26.4–.10 40.12N 71.74E 30 4.4b,3.9b
NEIC IX 29 12 41 27.6–1.6 40.03N–.05 71.71E–.06 44–7 4.5b,3.9b
SOME IX 29 12 41 27.5 40.23N 71.85E 10 3.6s,3.9b
ISU IX 29 12 41 27 40.15N 71.80E 15 3.6s,3.9b
NNC IX 29 12 41 30.0–2.8 40.30N 71.89E 34–20 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=10.2km az=148.0.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=4.4km az=67.1. Felt (III-IV) at Kuvasay, Ferghana; (III) at Margilan. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.4km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=23.7km s-min=8.0km az=8.0.
ISC IX 28 02 49 01.7–2.1 39.0N–.10 70.62E–.06 10 23 1-13
NNC IX 28 02 48 55.1–4.9 38.67N 70.45E 0 3.3b,2.9 ¶622410982
KRNET IX 28 02 49 03.6–.10 39.12N 70.77E 2.8b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.5km s-min=19.0km az=1.0.
ISC X 12 04 44 01.1–2.4 39.4N–.10 71.48E–.05 10 18 0-4
KRNET X 12 04 43 58.5–.10 39.22N 71.49E 10 2.9b ¶622411321
ISC Event type se.
ISC X 13 16 45 36.7–1.1 37.9N–.10 73.8E–.10 150 19 5-41
IDC X 13 16 45 44.1–8.4 38.38N 74.09E 197–52 3.7,3.6b ¶621238987
ISC Event type se.
IDC Error ellipse: s-maj=80.7km s-min=46.5km az=8.0.
ISC X 12 20 27 12.8–2.0 39.2N–.10 70.94E–.05 10 31 1-13
NNC X 12 20 27 09.4–2.1 38.44N 70.49E 92–50 3.2,2.9b ¶622411340
KRNET X 12 20 27 10.8–.10 39.08N 70.80E 3.5b,2.9b
SOME X 12 20 27 13.1 39.32N 71.00E 10 3.5b,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.7km s-min=14.2km az=167.0.
ISC X 17 04 31 24.9–1.5 37.47N–.09 72.3E–.20 176 22 5-16
NDI X 17 04 31 24.1–1.6 37.45N 71.69E 120 3.5L ¶635783134
NNC X 17 04 31 30.3–5.6 37.99N 72.07E 0 3.7b,3.2
DMN X 17 04 31 47.6–39 35.99N 74.75E 2 5.2b,3.2
ISC Event type ke.
NDI Event type se. Error ellipse: s-maj=19.5km s-min=25.8km az=-1.0. Presumed earthquake.
NNC Event type se. Error ellipse: s-maj=45.1km s-min=39.5km az=1.0.
DMN Event type ke. Error ellipse: s-maj=981.1km s-min=103.5km az=120.0.
NNC X 17 08 00 58.4–4.5 38.25N 72.02E 0 3.9b,3.6 ¶624926174
NNC Event type se. Error ellipse: s-maj=35.3km s-min=26.7km az=173.0.
ISC X 17 01 09 01.3–1.4 38.2N–.10 72.41E–.08 100 4.2b 27 5-73
IDC X 17 01 09 01.7–5.6 38.07N 72.97E 123–41 3.9,3.6s ¶621242859
NNC X 17 01 09 02.9–4.8 38.51N 72.41E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=50.1km s-min=32.4km az=156.0.
NNC Event type se. Error ellipse: s-maj=37.5km s-min=23.5km az=6.0.
ISC X 21 23 29 36.8–1.1 39.91N–.03 69.68E–.02 8–10 61 1-6
NNC X 21 23 29 26.1–6.7 39.13N 69.90E 9–21 3.6b,3.6 ¶622411595
SOME X 21 23 29 27.0 39.65N 69.52E 10 3.6b,3.6
KRNET X 21 23 29 33.2–.10 39.97N 69.55E 3.1b,3.6
ISU X 21 23 29 38 40.05N 69.68E 29 3.1b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=53.9km s-min=49.1km az=95.0.
ISC X 18 07 21 20.9–.47 37.63N–.04 72.21E–.05 130 4.2b 121 3-89
IDC X 18 07 21 00.3–2.2 36.51N 72.41E 0 4.1b,4.1 ¶621206739
SOME X 18 07 21 21.6 38.97N 72.48E 20 4.1b,4.1
NEIC X 18 07 21 22.8–.75 37.75N–.06 72.26E–.09 125–4 4.3b,4.1
NNC X 18 07 21 28.8–2.2 38.28N 72.11E 179–20 4.2,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=18.5km az=150.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.5km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=20.2km s-min=10.5km az=15.0.
ISC X 27 06 12 19.1–2.8 37.9N–.20 73.2E–.10 10 14 5-92
IDC X 27 06 12 17.4–6.0 37.93N 73.31E 0 3.7b,3.7 ¶621385451
NNC X 27 06 12 20.2–3.5 38.13N 73.35E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=81.8km s-min=39.0km az=20.0.
NNC Event type se. Error ellipse: s-maj=28.6km s-min=17.9km az=10.0.
ISC X 23 19 57 05.4–1.5 39.24N–.05 71.42E–.03 1–9 3.8b 155 0-86
SOME X 23 19 57 00.1 39.02N 71.50E 30 3.8b ¶621238021
KRNET X 23 19 57 02.7–.10 39.07N 71.43E 14 4.1b
IDC X 23 19 57 04.3–1.1 39.12N 71.31E 0 3.8,3.7b
MOS X 23 19 57 04.9–1.3 39.20N 71.25E 14 4.1b,3.7b
NNC X 23 19 57 05.5–1.8 39.20N 71.44E 0 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=13.4km az=153.0.
MOS Error ellipse: s-maj=9.6km s-min=4.6km az=72.2.
NNC Event type se. Error ellipse: s-maj=14.5km s-min=8.1km az=7.0.
ISC X 26 06 08 33.0–1.1 37.89N–.07 73.22E–.05 10 4.3s,3.8b 57 5-99
SOME X 26 06 08 28.7 37.92N 73.80E 10 4.3s,3.8b ¶621366460
IDC X 26 06 08 32.2–1.3 37.92N 73.51E 0 4.3s,3.8
NNC X 26 06 08 35.1–1.9 38.18N 73.36E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=14.4km az=100.0.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=9.0km az=175.0.
ISC X 27 10 21 38.6–.53 38.03N–.05 72.65E–.06 119 3.6b 71 2-128
NEIC X 27 10 21 40.7–1.2 38.19N–.06 72.77E–.09 122–8 4.2b ¶621241384
IDC X 27 10 21 42.2–4.8 38.36N 72.69E 144–35 3.7,3.3b
NNC X 27 10 21 46.5–2.2 38.78N 72.80E 210–21 4.2,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.5km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.9km s-min=33.9km az=75.0.
NNC Event type se. Error ellipse: s-maj=23.3km s-min=13.7km az=22.0.
ISC XI 08 16 06 26.3–1.2 39.27N–.05 71.97E–.03 9–7 3.7b 82 0-72
KRNET XI 08 16 06 23.0–.10 39.08N 71.90E 22 4.2b ¶621384582
NNC XI 08 16 06 25.0–2.9 38.92N 71.78E 0 4.4b,4.1
IDC XI 08 16 06 28.5–1.2 39.43N 72.03E 0 3.9,3.9s
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.6km s-min=14.8km az=7.0.
IDC Error ellipse: s-maj=18.1km s-min=15.3km az=158.0.
ISC XI 22 11 11 46.7–2.4 39.05N–.10 71.61E–.04 2–11 55 0-15
SOME XI 22 11 11 47.6 39.47N 71.85E 5 ¶622412503
KRNET XI 22 11 11 47.3–.10 39.10N 71.59E 14 3.8b
NNC XI 22 11 11 48.9–3.0 39.10N 71.42E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.7km s-min=14.6km az=2.0.
ISC XI 22 20 46 39.2–1.1 40.89N–.02 70.92E–.05 9–10 31 0-3
KRNET XI 22 20 46 38.7–.10 40.76N 70.95E 15 2.5b ¶622412517
ISU XI 22 20 46 39 40.97N 70.81E 10 2.5b
SOME XI 22 20 46 40.3 40.85N 71.07E 20 2.5b
NNC XI 22 20 46 41.8–1.9 40.87N 71.04E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.5km s-min=7.6km az=15.0.
ISC XI 22 10 49 38.1–1.1 39.19N–.03 71.61E–.03 15–6 4.4b,3.1s 244 0-151
IDC XI 22 10 49 34.3–.68 38.89N 71.64E 0 4.2b,4.2 ¶621440141
MOS XI 22 10 49 36.7–1.3 39.16N 71.50E 13 4.5b,4.2
NNC XI 22 10 49 36.5–1.8 39.03N 71.43E 0 4.7b,4.5
NEIC XI 22 10 49 37.9–1.9 39.18N–.04 71.50E–.07 10–1 4.5b,4.5
SOME XI 22 10 49 37.6 39.43N 71.35E 5 4.5b,4.5
KRNET XI 22 10 49 38.5–.10 39.18N 71.62E 17 4.5b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=9.9km az=147.0.
MOS Error ellipse: s-maj=7.0km s-min=4.3km az=80.3.
NNC Event type se. Error ellipse: s-maj=13.6km s-min=8.2km az=12.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.5km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 26 06 19 40.9–2.0 39.36N–.10 71.47E–.05 10 45 0-6
SOME XI 26 06 19 37.7 40.00N 70.38E 5 ¶622412630
KRNET XI 26 06 19 38.9–.10 39.31N 71.42E 11 3.5b
NNC XI 26 06 19 42.2–2.4 39.25N 71.50E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.5km s-min=11.5km az=10.0.
ISC XI 24 02 34 16.9–.48 38.74N–.05 69.72E–.04 12 4.3b,3.0s 176 2-86
IDC XI 24 02 34 14.4–.88 38.53N 69.77E 0 4.0b,4.0 ¶621452738
MOS XI 24 02 34 15.2–1.0 38.73N 69.71E 9 4.5b,4.0
NEIC XI 24 02 34 17.0–1.7 38.73N–.04 69.69E–.09 10–1 4.4b,4.0
NNC XI 24 02 34 20.2–2.8 38.97N 69.26E 11–12 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=11.1km az=154.0.
MOS Event type fe. Error ellipse: s-maj=6.4km s-min=4.6km az=85.3. Felt (II-III) at Rogun. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.9km az=279.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=20.6km s-min=15.5km az=6.0.
ISC XI 23 04 39 06.9–2.8 38.7N–.20 69.5E–.10 10 8 4-42
NNC XI 23 04 39 10.2–3.8 38.96N 69.51E 9–15 3.8b,3.4 ¶621883582

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.0km s-min=11.7km az=177.0.
ISC XI 24 05 05 43.2–1.0 39.78N–.03 69.07E–.02 19–3 136 1-26
SOME XI 24 05 05 41.7 39.65N 69.25E 15 ¶621452760
KRNET XI 24 05 05 41.5–.10 39.80N 69.13E 4.1b
MOS XI 24 05 05 42.2–.83 39.86N 69.19E 11 4.3b
NNC XI 24 05 05 44.0–4.1 39.92N 68.83E 10–16 4.0b,3.9
ISU XI 24 05 05 45 39.90N 69.12E 30 4.0b,3.9
ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=6.1km az=136.2.
NNC Event type se. Error ellipse: s-maj=28.7km s-min=14.0km az=7.0.
NNC XI 27 03 00 38.0–1.1 38.70N 69.19E 0 3.7b,3.3
¶624927624
NNC Event type se. Error ellipse: s-maj=8.4km s-min=5.2km az=1.0.
ISC XII 03 09 51 55.2–.54 37.99N–.05 72.80E–.05 127 4.1b 87 2-82
IDC XII 03 09 51 56.7–4.6 38.16N 72.81E 117–37 3.9,3.5b ¶621611406
NEIC XII 03 09 51 56.6–.85 38.14N–.05 72.72E–.06 124–7 4.0b,3.5b
NNC XII 03 09 51 59.3–4.0 38.36N 72.44E 130–69 4.2,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=25.7km az=24.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.1km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=40.3km s-min=26.0km az=10.0.
ISC XI 27 12 58 49.7–.74 37.85N–.06 72.50E–.09 119 3.4b 47 5-82
IDC XI 27 12 58 51.4–5.5 37.92N 72.63E 120–43 3.9,3.4b ¶621625126
NNC XI 27 12 58 56.5–1.4 38.41N 72.43E 205–12 3.9,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=23.2km az=34.0.
NNC Event type se. Error ellipse: s-maj=12.8km s-min=6.4km az=13.0.
ISC XI 28 13 01 59.0–1.9 39.1N–.10 71.64E–.04 10 47 0-15
KRNET XI 28 13 01 58.8–.10 39.02N 71.61E 16 3.7b ¶622412696
NNC XI 28 13 02 08.6–2.3 39.50N 71.70E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.4km s-min=11.6km az=172.0.
ISU XII 05 11 03 53 40.17N 71.65E 17
¶624927943
ISC XII 04 21 38 47.6–1.3 38.48N–.05 69.38E–.03 13–8 3.4b 73 2-42
IDC XII 04 21 38 41.9–5.0 38.08N 69.65E 0 3.6b,3.6 ¶621630693
NNC XII 04 21 38 45.5–1.7 38.48N 68.99E 0 4.5b,4.2
ISU XII 04 21 38 45 38.23N 69.43E 30 4.5b,4.2
SOME XII 04 21 38 46.5 39.17N 68.13E 15 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=88.5km s-min=22.9km az=157.0.
NNC Event type se. Error ellipse: s-maj=12.9km s-min=9.6km az=179.0.
ISC XII 06 00 56 34.0–1.1 39.87N–.05 71.19E–.03 16–7 43 0-4
SOME XII 06 00 56 34.9 39.90N 71.08E 5 ¶622412915
KRNET XII 06 00 56 34.8–.10 39.83N 71.02E 15 2.8b
ISU XII 06 00 56 37 39.90N 71.07E 8 2.8b
ISC Event type se.
ISC XII 07 15 22 30.5–.42 37.95N–.04 72.90E–.05 150 4.1b 116 2-84
NEIC XII 07 15 22 29.9–1.0 38.10N–.04 72.73E–.07 120–7 4.4b ¶621618749
IDC XII 07 15 22 30.2–3.4 38.11N 72.87E 131–29 4.0,3.8s
NNC XII 07 15 22 33.3–3.1 38.42N 72.50E 182–38 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=2.2km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=16.8km az=13.0.
NNC Event type se. Error ellipse: s-maj=33.6km s-min=15.6km az=4.0.
IDC XII 09 14 31 34.2–8.3 37.44N 72.23E 224–51 3.9,3.0b
¶621636576
IDC Error ellipse: s-maj=78.1km s-min=76.6km az=110.0.
ISC XII 09 12 36 35.7–1.9 39.65N–.07 71.03E–.05 7–12 23 0-12
KRNET XII 09 12 36 26.7–.10 39.02N 70.58E 3.4b ¶622413007
NNC XII 09 12 36 28.1–3.2 39.01N 70.73E 0 3.6b,3.2
SOME XII 09 12 36 36.2 39.72N 71.13E 10 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.4km s-min=14.1km az=0.0.
ISC XII 10 03 40 48.0–2.4 39.35N–.09 70.94E–.06 1–14 26 1-14
KRNET XII 10 03 40 43.4–.10 39.02N 70.78E 3.4b ¶622413019
NNC XII 10 03 40 47.9–5.0 39.08N 70.40E 9–25 4.1b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.1km s-min=18.8km az=176.0.
ISC XII 11 13 29 08.6–.00 39.53N–.05 71.50E–.03 9–5 63 0-13
SOME XII 11 13 29 04.8 39.43N 71.32E 10 ¶621627514
KRNET XII 11 13 29 05.4–.10 39.12N 71.58E 18 3.7b
NNC XII 11 13 29 07.2–2.9 39.15N 71.62E 0 4.2b,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.9km s-min=11.9km az=7.0.
ISC XII 17 10 30 12.8–2.6 40.54N–.06 69.53E–.10 31–18 30 1-4
ISU XII 17 10 30 03 40.18N 69.56E 10 ¶622413201
NNC XII 17 10 30 05.8–7.4 40.41N 69.60E 0 3.5b,3.1
SOME XII 17 10 30 06.7 40.45N 70.15E 15 3.5b,3.1
KRNET XII 17 10 30 09.3–.10 40.56N 69.40E 2.3b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=50.9km s-min=36.8km az=34.0.
ISC XII 22 05 46 17.0–1.2 39.75N–.04 71.21E–.03 8–9 57 0-5
KRNET XII 22 05 46 15.7–.10 39.79N 71.25E 13 3.3b ¶622413348
SOME XII 22 05 46 17.2 39.83N 71.37E 5 3.3b
ISU XII 22 05 46 18 39.79N 71.25E 11 3.3b
NNC XII 22 05 46 21.9–2.7 40.00N 71.29E 0 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.0km s-min=10.8km az=11.0.
ISC XII 18 05 42 43.0–.50 40.05N–.02 70.05E–.02 13–3 4.5b,3.5s 452 1-150
IDC XII 18 05 42 40.4–.64 39.93N 70.05E 0 4.2b,4.2 ¶621633374
MOS XII 18 05 42 41.9–1.1 40.15N 69.96E 11 4.8b,4.2
BJI XII 18 05 42 41.1 40.10N 69.99E 11 4.7b,4.2L
KRNET XII 18 05 42 43.8–.10 40.09N 70.05E 21 4.7b,4.2L
NNC XII 18 05 42 43.5–2.0 40.05N 69.99E 6–7 5.0b,5.0
NEIC XII 18 05 42 43.8–1.5 40.13N–.05 70.02E–.04 10–1 4.7b,5.0
ISU XII 18 05 42 44 40.05N 69.98E 30 4.7b,5.0
SOME XII 18 05 42 45.3 40.13N 70.20E 10 3.6s,5.0
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=9.0km az=156.0.
MOS Error ellipse: s-maj=4.8km s-min=3.4km az=61.2.
NNC Event type se. Error ellipse: s-maj=13.9km s-min=8.1km az=14.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.6km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 21 03 06 57.3–1.1 40.25N–.02 71.16E–.02 4–9 105 0-7
KRNET XII 21 03 06 57.4–.10 40.28N 71.07E 35 3.5b ¶621635035
ISU XII 21 03 06 58 40.42N 71.20E 28 3.5b
SOME XII 21 03 06 59.4 40.43N 71.20E 15 3.5b
NNC XII 21 03 07 00.2–2.0 40.49N 71.26E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.4km s-min=6.8km az=13.0.
ISC XII 21 03 30 33.5–.90 40.40N–.03 71.24E–.03 17–9 32 0-3
KRNET XII 21 03 30 32.8–.10 40.37N 71.23E 16 2.2b ¶622413313
NNC XII 21 03 30 35.0–2.1 40.47N 71.27E 0 3.3b,2.8
SOME XII 21 03 30 34.1 40.48N 71.25E 10 3.3b,2.8
ISU XII 21 03 30 35 40.37N 71.15E 15 3.3b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=8.1km az=7.0.
ISC XII 19 15 27 12.0–.91 37.33N–.08 72.1E–.10 150 3.6b 29 5-80
IDC XII 19 15 27 19.8–7.9 37.72N 72.35E 203–48 3.8,3.3b ¶621657084
NNC XII 19 15 27 21.1–10 38.06N 72.52E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=75.8km s-min=36.8km az=179.0.
NNC Event type se. Error ellipse: s-maj=79.3km s-min=59.1km az=160.0.
ISC XII 20 05 04 31.9–2.4 39.2N–.10 71.59E–.05 2–13 44 0-7
NNC XII 20 05 04 30.6–6.1 38.95N 71.45E 0 3.8b,3.6 ¶622413284
KRNET XII 20 05 04 31.1–.10 39.10N 71.60E 16 3.4b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=45.0km s-min=30.6km az=5.0.
ISC XII 20 05 52 05.4–2.5 39.2N–.10 71.54E–.04 4–10 38 0-5
KRNET XII 20 05 52 01.5–.10 39.05N 71.54E 15 3.3b ¶622413286
NNC XII 20 05 52 04.1–3.8 39.00N 71.44E 0 3.9b,3.5
SOME XII 20 05 52 05.4 39.50N 71.03E 15 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.3km s-min=18.7km az=21.0.
ISC XII 23 01 04 04.1–1.1 40.27N–.03 71.19E–.02 21–2 84 0-5
SOME XII 23 01 03 58.8 40.28N 71.28E 5 ¶621648321
KRNET XII 23 01 04 01.9–.10 40.35N 71.30E 13 3.3b
NNC XII 23 01 04 04.5–4.5 40.35N 71.27E 0 3.9b,3.5
ISU XII 23 01 04 04 40.34N 71.15E 15 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.1km s-min=16.2km az=12.0.
ISC XII 23 07 21 16.1–.95 40.35N–.02 71.19E–.02 14–8 79 0-5
KRNET XII 23 07 21 14.4–.10 40.42N 71.10E 25 3.3b ¶622413383
ISU XII 23 07 21 15 40.41N 71.16E 14 3.3b
SOME XII 23 07 21 17.1 40.50N 71.30E 10 3.3b
ISC Event type se.
ISC XII 23 12 07 31.1–2.6 39.29N–.10 70.98E–.07 1–13 17 1-13
KRNET XII 23 12 07 31.3–.10 39.10N 70.87E 2.5b ¶622413387
NNC XII 23 12 07 36.2–3.5 39.15N 70.13E 0 3.5b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.1km s-min=27.4km az=66.0.
ISC XII 23 17 14 42.8–.93 40.36N–.02 71.21E–.02 6–7 84 0-5
SOME XII 23 17 14 38.4 40.28N 71.22E 5 ¶622413392
NNC XII 23 17 14 41.5–4.0 40.23N 70.66E 1–21 3.6b,3.4
KRNET XII 23 17 14 41.5–.10 40.36N 71.15E 17 2.9b,3.4
ISU XII 23 17 14 42 40.40N 71.17E 19 2.9b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.1km s-min=21.7km az=171.0.
ISC XII 29 07 50 11.9–.93 40.38N–.02 71.27E–.02 18–2 92 0-5
SOME XII 29 07 50 06.0 40.15N 71.12E 20 ¶622413591
NNC XII 29 07 50 07.8–3.8 40.23N 71.05E 0 3.7b,3.3
KRNET XII 29 07 50 10.0–.10 40.35N 71.28E 19 3.2b,3.3
ISU XII 29 07 50 12 40.43N 71.17E 17 3.2b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.4km s-min=13.5km az=9.0.
ISC XII 26 12 24 17.8–1.9 38.1N–.10 72.9E–.10 100 3.7b 13 5-80
SOME XII 26 12 24 19.9 39.07N 72.32E 15 3.7b ¶621700217
IDC XII 26 12 24 23.7–8.4 38.40N 73.40E 152–52 3.7,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=74.2km s-min=50.4km az=169.0.
ISC XII 25 10 10 07.3–2.4 40.29N–.08 69.4E–.10 28–14 25 1-3
ISU XII 25 10 10 06 40.21N 69.78E 9 ¶622413458
KRNET XII 25 10 10 07.6–.10 40.47N 69.60E 21 2.7b
SOME XII 25 10 10 07.1 40.42N 69.30E 20 2.7b
ISC Event type se.
ISC XII 31 02 53 16.8–.93 39.74N–.04 71.28E–.02 10 76 0-7
KRNET XII 31 02 53 14.4–.10 39.68N 71.19E 13 3.1b ¶622413648
ISU XII 31 02 53 18 39.72N 71.18E 11 3.1b
SOME XII 31 02 53 21.1 40.02N 71.20E 5 3.1b
NNC XII 31 02 53 22.9–3.1 40.05N 71.14E 16–11 3.3b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.8km s-min=11.9km az=3.0.
ISC XII 31 21 54 32.1–.52 37.44N–.04 72.28E–.06 200 3.9b 110 2-80
IDC XII 31 21 54 31.7–5.9 37.38N 72.19E 189–36 4.1,3.5b ¶621657763
NEIC XII 31 21 54 32.2–1.0 37.49N–.06 72.2E–.10 190–5 4.1b,3.5b
NNC XII 31 21 54 35.6–3.2 37.77N 72.05E 185–31 3.9,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=59.2km s-min=18.2km az=3.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.0km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=30.6km s-min=17.4km az=3.0.
ISC XII 31 22 16 13.1–.90 40.13N–.03 71.69E–.02 13–6 97 0-7
ISU XII 31 22 16 09 40.15N 71.62E 20 ¶622413673
KRNET XII 31 22 16 11.9–.10 40.15N 71.63E 19 3.1b
SOME XII 31 22 16 13.3 40.22N 71.67E 15 3.1b
NNC XII 31 22 16 17.2–3.1 40.41N 71.75E 13–18 3.3,3.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.6km s-min=9.8km az=2.0.

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ISC VII 02 05 17 51.8–1.1 40.60N–.03 72.24E–.02 6–11 39 0-5
KRNET VII 02 05 17 51.8–.10 40.50N 72.25E 10 2.9b ¶621251211
ISU VII 02 05 17 53 40.48N 72.15E 8 2.9b
SOME VII 02 05 17 55.9 40.72N 72.20E 10 2.9b
NNC VII 02 05 17 58.1–1.9 40.84N 72.25E 0 2.9b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.7km s-min=4.9km az=2.0.
ISC VII 04 01 02 33.1–1.0 42.31N–.02 72.90E–.02 9–10 76 0-4
KRNET VII 04 01 02 34.2–.10 42.33N 72.89E 16 2.8b ¶621147951
NNC VII 04 01 02 34.4–.81 42.26N 72.96E 5–5 3.2b,2.8
SOME VII 04 01 02 34.4 42.35N 72.83E 15 3.2b,2.8
KNET VII 04 01 02 35.9–.42 42.36N 72.98E 15–4 1.9L,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.1km s-min=3.5km az=171.0.
KNET Error ellipse: s-maj=4.0km s-min=3.9km az=100.0.
ISC VII 04 12 52 18.6–1.2 41.55N–.03 73.16E–.03 21–3 28 0-3
NNC VII 04 12 52 16.1–2.2 41.44N 73.30E 3–12 2.6b,2.5 ¶621251306
KRNET VII 04 12 52 16.8–.10 41.54N 73.05E 35 2.2b,2.5
SOME VII 04 12 52 16.4 41.48N 73.27E 10 2.2b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.9km s-min=7.0km az=163.0.
ISC VII 05 06 35 32.5–1.0 40.53N–.03 72.25E–.02 12–8 74 0-6
KRNET VII 05 06 35 32.9–.10 40.52N 72.25E 19 3.0b ¶620733790
ISU VII 05 06 35 33 40.49N 72.17E 18 3.0b
SOME VII 05 06 35 33.8 40.50N 72.20E 15 3.0b
NNC VII 05 06 35 36.2–1.5 40.70N 72.21E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.1km s-min=4.0km az=2.0.
ISC VII 06 05 56 57.2–1.1 41.95N–.03 72.08E–.02 4–10 73 1-4
KRNET VII 06 05 56 55.8–.10 41.93N 72.09E 15 3.0b ¶621147956
SOME VII 06 05 56 56.8 41.93N 72.07E 15 3.0b
KNET VII 06 05 56 58.7–.48 42.04N 72.27E 3–2 2.4L
NNC VII 06 05 56 58.2–1.1 42.13N 72.05E 0 3.0b,2.8
ISU VII 06 05 57 00 41.85N 72.02E 12 3.0b,2.8
ISC Event type se.
KNET Error ellipse: s-maj=4.2km s-min=2.5km az=149.0.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=4.3km az=1.0.
ISC VII 09 20 55 48.0–.78 42.61N–.02 74.59E–.01 11–4 123 0-4
KNET VII 09 20 55 46.8–.29 42.60N 74.64E 12–3 3.0L ¶620787249
KRNET VII 09 20 55 47.2–.10 42.60N 74.59E 18 3.8b
SOME VII 09 20 55 47.7 42.62N 74.63E 20 3.8b
NNC VII 09 20 55 47.7–.35 42.64N 74.66E 0 4.0b,3.7
ISC Event type se.
KNET Error ellipse: s-maj=2.5km s-min=1.9km az=138.0.
NNC Event type se. Error ellipse: s-maj=5.9km s-min=1.2km az=164.0.
ISC VII 10 06 42 13.3–1.8 41.23N–.08 71.15E–.04 3–14 24 0-4
SOME VII 10 06 42 14.5 41.30N 71.17E 0 ¶621251544
KRNET VII 10 06 42 14.7–.10 41.25N 71.14E 19 2.5b
NNC VII 10 06 42 15.5–2.4 41.23N 71.07E 0 3.2b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.9km s-min=7.1km az=18.0.
ISC VII 10 16 05 07.5–.98 40.03N–.02 72.79E–.02 11–6 4.3b,3.0s 331 0-87
IDC VII 10 16 05 05.8–.68 40.01N 72.92E 0 4.0,3.9b ¶620787385
KRNET VII 10 16 05 07.0–.10 40.13N 72.86E 13 4.9b,3.9b

ISU VII 10 16 05 09 40.10N 72.92E 27 4.9b,3.9b
MOS VII 10 16 05 10.8–1.3 40.18N 72.82E 50 4.5b,3.9b
SOME VII 10 16 05 11.1 40.33N 72.83E 15 4.5b,3.9b
NEIC VII 10 16 05 12.0–2.0 40.26N–.04 72.79E–.03 41–6 4.4b,3.9b
NNC VII 10 16 05 12.0–1.1 40.33N 72.88E 4–4 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=10.4km az=118.0.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=74.9.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.8km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=9.1km s-min=3.9km az=1.0.
ISC VII 14 08 20 15.7–.82 42.60N–.02 74.61E–.02 15–5 80 0-4
KRNET VII 14 08 20 15.7–.10 42.61N 74.60E 19 3.1b **¶621147998**
KNET VII 14 08 20 15.3–.29 42.60N 74.62E 13–2 2.2L
SOME VII 14 08 20 15.8 42.60N 74.60E 15 2.2L
NNC VII 14 08 20 16.4–.53 42.62N 74.65E 0 3.3b,3.2
ISC Event type se.
KNET Error ellipse: s-maj=2.5km s-min=1.8km az=94.0.
NNC Event type se. Error ellipse: s-maj=8.9km s-min=1.5km az=169.0.
ISC VII 15 07 20 41.7–1.4 41.73N–.05 73.36E–.03 9–18 24 0-3
KRNET VII 15 07 20 41.2–.10 41.76N 73.34E 35 2.0b **¶621251777**
SOME VII 15 07 20 41.2 41.72N 73.23E 5 2.0b
NNC VII 15 07 20 43.9–3.6 41.59N 73.72E 0 2.7b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.7km s-min=12.4km az=155.0.
ISC VII 15 07 57 24.8–1.3 39.50N–.04 72.69E–.02 4–7 4.0b,2.8s 193 1-128
IDC VII 15 07 57 21.8–.82 39.14N 72.64E 0 4.0,3.9b **¶620829514**
MOS VII 15 07 57 23.4–1.1 39.24N 72.61E 17 4.3b,3.9b
SOME VII 15 07 57 24.3 39.78N 72.30E 5 4.3b,3.9b
KRNET VII 15 07 57 26.0–.10 39.57N 72.73E 15 4.2b,3.9b
NNC VII 15 07 57 39.2–3.2 40.24N 72.60E 19–15 4.3,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=12.2km az=124.0.
MOS Error ellipse: s-maj=7.8km s-min=3.6km az=72.1.
NNC Event type se. Error ellipse: s-maj=23.1km s-min=10.3km az=177.0.
ISC VII 18 19 12 52.6–.95 41.52N–.03 70.92E–.02 12–7 57 0-4
KRNET VII 18 19 12 52.0–.10 41.48N 70.98E 24 3.1b **¶621251930**
ISU VII 18 19 12 53 41.48N 70.97E 15 3.1b
ISC Event type se.
ISC VII 20 22 33 07.6–1.1 41.99N–.02 72.16E–.01 5–9 136 1-11
SOME VII 20 22 33 06.0 42.03N 72.17E 5 **¶620838901**
KRNET VII 20 22 33 07.5–.10 41.94N 72.11E 27 3.6b
NNC VII 20 22 33 08.9–.93 42.12N 72.17E 0 3.8b,3.6
ISU VII 20 22 33 09 41.94N 72.14E 30 3.8b,3.6
KNET VII 20 22 33 11.6–.58 42.30N 72.24E 10–5 3.1L,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=4.8km az=176.0.
KNET Error ellipse: s-maj=9.3km s-min=3.0km az=157.0.
ISC VII 23 16 51 51.2–1.2 41.64N–.03 72.52E–.02 10–10 59 0-3
KRNET VII 23 16 51 50.5–.10 41.68N 72.51E 21 2.9b **¶621148038**
SOME VII 23 16 51 50.6 41.70N 72.57E 5 2.9b
NNC VII 23 16 51 51.1–2.4 41.56N 72.57E 0 2.9b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.2km s-min=5.5km az=2.0.
SOME VII 28 12 48 20.0 41.95N 71.52E 5
¶626339089
ISC VIII 03 23 58 35.8–1.5 39.49N–.05 72.95E–.03 1–10 57 1-4
ISU VIII 03 23 58 35 39.42N 73.01E 24 **¶620965862**
KRNET VIII 03 23 58 36.0–.10 39.57N 72.90E 13 3.5b
ISC Event type se.
ISC VII 30 09 17 43.4–1.1 41.59N–.03 73.20E–.03 7–10 31 0-3
KRNET VII 30 09 17 43.4–.10 41.54N 73.18E 29 2.2b **¶621252491**
SOME VII 30 09 17 43.8 41.60N 73.25E 5 2.2b
NNC VII 30 09 17 44.4–1.5 41.65N 73.20E 0 2.7,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.7km s-min=5.4km az=163.0.
ISC VIII 03 14 06 31.8–1.3 39.59N–.05 72.63E–.02 4–10 110 1-13
KRNET VIII 03 14 06 31.1–.10 39.56N 72.62E 13 3.6b **¶620961709**
ISU VIII 03 14 06 31 39.44N 72.74E 22 3.6b
SOME VIII 03 14 06 35.3 39.65N 72.53E 15 3.6b
NNC VIII 03 14 06 38.3–1.1 39.76N 72.60E 0 4.0b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.3km s-min=3.5km az=3.0.
ISC VIII 05 03 25 33.1–1.4 40.86N–.04 72.60E–.05 9–13 18 0-3
KRNET VIII 05 03 25 34.6–.10 40.89N 72.68E 30 2.5b **¶622406883**
ISU VIII 05 03 25 37 40.81N 72.96E 5 2.5b
ISC Event type se.
KRNET VIII 07 15 03 15.6–.10 40.76N 72.44E 17 2.3b
ISU VIII 07 15 03 19 40.76N 72.29E 3 2.3b **¶622406929**
ISC VIII 07 07 03 18.1–.93 40.49N–.04 72.72E–.03 6–6 27 0-3
KRNET VIII 07 07 03 15.5–.10 40.35N 72.75E 8 2.9b **¶622406925**
ISU VIII 07 07 03 17 40.52N 72.63E 2 2.9b
SOME VIII 07 07 03 24.1 40.87N 72.78E 5 2.9b
ISC Event type se.
KRNET VIII 07 15 03 28.3–.10 40.77N 72.49E 14 2.8b
ISU VIII 07 15 03 29 40.84N 72.45E 3 2.8b **¶622406932**
SOME VIII 07 15 03 31.8 41.05N 72.50E 5 2.8b
ISC VIII 07 21 49 03.1–1.1 42.28N–.04 71.12E–.04 12–13 16 1-2
SOME VIII 07 21 49 03.3 42.33N 71.12E 10 **¶622406937**
KRNET VIII 07 21 49 03.3–.10 42.20N 71.16E 15 2.5b
ISC Event type se.
ISC VIII 13 23 41 27.7–2.5 41.50N–.05 69.2E–.10 10 16 1-4
KRNET VIII 13 23 41 25.9–.10 41.45N 69.21E 2.6b **¶622409866**
ISC Event type se.
ISC VIII 19 11 16 28.2–.97 41.16N–.02 72.30E–.02 17–10 50 1-3
ISU VIII 19 11 16 27 41.15N 72.33E 4 **¶622409968**
KRNET VIII 19 11 16 28.3–.10 41.14N 72.27E 18 2.3b
SOME VIII 19 11 16 31.6 41.37N 72.22E 5 2.3b
NNC VIII 19 11 16 35.8–2.4 41.65N 72.26E 0 2.7b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.8km s-min=7.8km az=174.0.
ISC VIII 15 12 18 59.5–1.2 41.57N–.03 74.79E–.03 7–10 59 1-4
KRNET VIII 15 12 19 00.6–.10 41.58N 74.75E 35 3.0b **¶621148106**
NNC VIII 15 12 19 00.8–1.1 41.60N 74.79E 0 2.5,2.3b
SOME VIII 15 12 19 00.2 41.63N 74.82E 5 2.5,2.3b
KNET VIII 15 12 19 01.9–.69 41.69N 74.96E 5–3 1.7L,2.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=4.3km az=24.0.
KNET Error ellipse: s-maj=4.4km s-min=2.4km az=32.0.
ISC VIII 19 21 36 43.1–1.1 42.24N–.02 71.56E–.02 3–10 88 1-5
KRNET VIII 19 21 36 43.1–.10 42.21N 71.57E 10 2.9b **¶621148135**
SOME VIII 19 21 36 43.6 42.25N 71.58E 10 2.9b
NNC VIII 19 21 36 43.3–1.2 42.23N 71.47E 0 3.4b,3.3
ISU VIII 19 21 36 46 42.06N 71.38E 9 3.4b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.9km s-min=5.5km az=176.0.
ISC VIII 22 00 43 15.0–1.1 41.87N–.02 72.66E–.01 1–10 121 1-5
KRNET VIII 22 00 43 15.6–.10 41.84N 72.65E 22 3.0b **¶621148143**
SOME VIII 22 00 43 15.0 41.93N 72.62E 5 3.0b
NNC VIII 22 00 43 15.7–1.6 41.80N 72.68E 4–9 3.7b,3.5
ISU VIII 22 00 43 17 41.86N 72.63E 10 3.7b,3.5
KNET VIII 22 00 43 18.7–.43 41.92N 72.87E 4–2 2.5L,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.1km s-min=4.1km az=175.0.
KNET Error ellipse: s-maj=4.1km s-min=2.6km az=120.0.
ISC VIII 29 09 34 16.2–1.0 42.11N–.02 73.74E–.02 17–9 89 1-5
KRNET VIII 29 09 34 16.9–.10 42.13N 73.75E 27 3.3b **¶621148172**
SOME VIII 29 09 34 17.1 42.15N 73.77E 10 3.3b
NNC VIII 29 09 34 18.1–1.3 42.14N 73.76E 0 3.9b,3.4
KNET VIII 29 09 34 19.1–.29 42.22N 73.85E 13–1 2.3L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.4km s-min=6.3km az=165.0.
KNET Error ellipse: s-maj=1.9km s-min=0.9km az=44.0.
ISC VIII 24 15 47 23.4–.91 41.15N–.02 73.00E–.02 11–7 102 0-4
SOME VIII 24 15 47 20.0 41.00N 73.00E 0 **¶621002176**
KRNET VIII 24 15 47 22.4–.10 41.15N 73.02E 25 3.3b
NNC VIII 24 15 47 22.1–2.8 41.08N 72.91E 0 3.5b,3.2
ISU VIII 24 15 47 24 41.15N 72.87E 5 3.5b,3.2
KNET VIII 24 15 47 25.1–.47 41.30N 72.99E 2–2 2.5L,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.2km s-min=8.8km az=171.0.
KNET Error ellipse: s-maj=5.5km s-min=3.1km az=125.0.
ISC VIII 25 23 16 54.7–1.0 41.97N–.02 72.20E–.02 9–9 89 1-4
KRNET VIII 25 23 16 54.3–.10 41.93N 72.10E 35 2.8b **¶621148155**
SOME VIII 25 23 16 55.0 42.03N 72.13E 10 2.8b
NNC VIII 25 23 16 56.3–2.0 42.16N 72.03E 0 3.1,2.7b
ISU VIII 25 23 16 57 41.91N 72.16E 12 3.1,2.7b
KNET VIII 25 23 16 59.0–.50 42.04N 72.42E 0 2.3L,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.9km s-min=7.7km az=177.0.
KNET Error ellipse: s-maj=4.4km s-min=2.4km az=135.0.
ISC VIII 23 20 39 28.4–1.2 42.58N–.04 71.83E–.02 2–14 49 1-4
NNC VIII 23 20 39 28.7–.61 42.62N 71.80E 0 2.9b,2.8 **¶622410062**
SOME VIII 23 20 39 29.0 42.73N 71.85E 10 2.9b,2.8
KRNET VIII 23 20 39 29.1–.10 42.60N 71.84E 14 2.9b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=3.7km az=173.0.
ISC VIII 26 12 31 01.0–2.2 41.02N–.04 69.7E–.10 1–12 19 1-4
KRNET VIII 26 12 31 00.6–.10 41.04N 69.68E 2.6b **¶622410123**
ISC Event type se.
ISC VIII 24 23 11 35.7–1.1 41.23N–.02 74.44E–.02 10–9 90 1-4
NNC VIII 24 23 11 32.2–4.2 41.03N 74.32E 10–19 3.8b,3.4 **¶621003185**
KRNET VIII 24 23 11 35.1–.10 41.25N 74.46E 23 3.3b,3.4
SOME VIII 24 23 11 36.6 41.20N 74.45E 15 3.3b,3.4
KNET VIII 24 23 11 38.6–.65 41.39N 74.48E 12–4 2.3L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.9km s-min=15.5km az=168.0.
KNET Error ellipse: s-maj=5.1km s-min=3.1km az=46.0.
ISC IX 01 07 08 25.1–1.0 40.35N–.02 73.32E–.02 10–9 103 0-5
KRNET IX 01 07 08 25.5–.10 40.27N 73.19E 23 3.8b **¶621012688**
SOME IX 01 07 08 26.9 40.38N 73.28E 5 3.8b
ISU IX 01 07 08 26 40.31N 73.32E 25 3.8b
NNC IX 01 07 08 29.2–1.1 40.51N 73.25E 1–9 4.1b,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=3.4km az=174.0.
ISC IX 03 09 54 22.7–2.4 41.46N–.07 69.3E–.10 10 10 1-3
KRNET IX 03 09 54 15.1–.10 41.59N 69.09E 3.2b **¶622410286**
ISC Event type se.
ISC IX 07 07 06 12.0–1.2 40.95N–.03 72.22E–.02 4–11 47 1-3
KRNET IX 07 07 06 12.5–.10 40.91N 72.19E 19 2.7b **¶622410393**
ISU IX 07 07 06 13 40.94N 72.25E 11 2.7b
NNC IX 07 07 06 16.3–3.6 41.15N 72.19E 0 3.0b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.5km s-min=9.1km az=4.0.
ISC IX 11 07 06 40.7–1.5 41.56N–.04 69.07E–.07 10 31 0-5
ISU IX 11 07 06 42 41.49N 69.18E 14 **¶622410480**
KRNET IX 11 07 06 43.1–.10 41.39N 69.25E 2.9b
ISC Event type se.
ISC IX 08 00 49 26.0–1.0 42.03N–.02 72.88E–.02 7–9 105 1-12
SOME IX 08 00 49 24.8 42.02N 72.85E 5 **¶621041912**
KRNET IX 08 00 49 25.7–.10 42.02N 72.89E 22 3.0b
NNC IX 08 00 49 26.4–.86 42.12N 72.89E 0 3.2b,3.0
ISU IX 08 00 49 28 41.96N 72.83E 14 3.2b,3.0
KNET IX 08 00 49 28.0–.33 42.12N 73.01E 6–1 2.3L,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=3.5km az=177.0.
KNET Error ellipse: s-maj=2.9km s-min=1.9km az=143.0.
ISC IX 21 11 00 03.6–1.1 41.04N–.03 73.62E–.02 3–11 41 0-3
KRNET IX 21 11 00 03.2–.10 41.03N 73.62E 20 2.9b **¶622410791**
NNC IX 21 11 00 04.1–6.5 41.00N 73.93E 0 2.9b,2.7
SOME IX 21 11 00 04.2 41.10N 73.58E 10 2.9b,2.7
ISU IX 21 11 00 04 41.01N 73.54E 4 2.9b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=55.6km s-min=22.3km az=156.0.
ISC IX 19 02 40 16.3–1.1 39.54N–.06 72.86E–.03 10 63 1-6
SOME IX 19 02 39 55.8 38.75N 72.80E 5 **¶621083056**
NNC IX 19 02 39 57.7–3.5 38.77N 72.83E 0 3.9b,3.5
KRNET IX 19 02 40 15.3–.10 39.48N 72.82E 12 3.2b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.2km s-min=11.4km az=5.0.
ISC IX 11 06 51 48.4–1.2 41.61N–.02 69.16E–.02 2–8 4.0b 153 0-73
IDC IX 11 06 51 48.4–1.4 41.43N 68.99E 0 3.9b,3.8 **¶621069775**
NEIC IX 11 06 51 50.6–1.2 41.55N–.04 68.9E–.10 10–1 4.2b,3.8
NNC IX 11 06 51 50.8–1.3 41.73N 68.75E 0 4.3b,4.2
ISU IX 11 06 51 51 41.60N 69.09E 12 4.3b,4.2
KRNET IX 11 06 51 51.9–.10 41.27N 69.26E 4.3b,4.2
SOME IX 11 06 51 53.8 41.67N 69.23E 5 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=10.1km az=169.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=7.6km az=263.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=7.0km az=9.0.
KRNET IX 16 12 19 07.6–.10 41.72N 69.93E 2.6b
¶622410627
ISC IX 19 23 30 03.6–1.2 41.53N–.02 71.75E–.02 1–10 48 0-3
NNC IX 19 23 30 03.8–3.8 41.36N 71.72E 0 2.8,2.5b **¶622410745**
KRNET IX 19 23 30 04.1–.10 41.50N 71.69E 19 2.4b,2.5b
SOME IX 19 23 30 05.4 41.55N 71.70E 10 2.4b,2.5b
ISU IX 19 23 30 06 41.50N 71.53E 5 2.4b,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=39.5km s-min=11.2km az=8.0.
ISC IX 20 00 45 30.1–1.1 42.00N–.02 72.20E–.02 2–11 56 1-3
KRNET IX 20 00 45 30.6–.10 41.93N 72.16E 13 2.6b **¶622410748**
SOME IX 20 00 45 30.3 41.88N 72.13E 5 2.6b
NNC IX 20 00 45 33.2–1.4 42.12N 72.12E 0 2.9,2.9b
ISU IX 20 00 45 34 41.93N 72.02E 20 2.9,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.5km s-min=6.8km az=173.0.
SOME IX 28 04 40 35.6 40.82N 72.60E 5
NNC IX 28 04 40 11.8–6.4 38.51N 70.61E 18–25 3.4b,3.0 **¶625829628**
NNC Event type se. Error ellipse: s-maj=58.3km s-min=40.4km az=23.0.
ISC IX 22 16 07 49.1–1.1 41.97N–.02 72.39E–.01 1–10 139 1-6
KRNET IX 22 16 07 48.2–.10 41.91N 72.37E 18 3.8b **¶621105933**
NNC IX 22 16 07 50.0–1.2 42.14N 72.31E 0 4.2b,3.8
SOME IX 22 16 07 49.5 42.00N 72.43E 10 4.2b,3.8
ISU IX 22 16 07 51 41.89N 72.28E 9 4.2b,3.8
KNET IX 22 16 07 52.2–.72 42.06N 72.60E 6–3 3.4L,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.5km s-min=4.5km az=176.0.
KNET Error ellipse: s-maj=7.2km s-min=3.9km az=126.0.
ISC IX 28 19 40 51.0–.93 42.68N–.03 73.42E–.02 13–7 100 0-8
KRNET IX 28 19 40 50.7–.10 42.62N 73.44E 21 3.0b **¶622411002**
SOME IX 28 19 40 51.1 42.78N 73.37E 15 3.0b
NNC IX 28 19 40 51.1–.34 42.69N 73.47E 0 3.4b,3.1
KNET IX 28 19 40 52.8–.56 42.64N 73.59E 18–1 2.4L,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=1.9km az=177.0.
KNET Error ellipse: s-maj=3.9km s-min=3.0km az=88.0.
ISC X 01 10 32 18.9–1.3 42.60N–.05 73.07E–.03 22–6 37 1-2
SOME X 01 10 32 17.9 42.63N 73.05E 10 **¶622411063**

KRNET X 01 10 32 18.2–.10 42.62N 73.10E 30 3.0b
KNET X 01 10 32 21.1–.41 42.79N 73.27E 9–1 1.8L
ISC Event type se.
KNET Error ellipse: s-maj=2.8km s-min=2.4km az=159.0.
ISC IX 28 14 47 13.9–1.1 42.13N–.02 73.28E–.02 4–10 119 1-6
KRNET IX 28 14 47 13.9–.10 42.12N 73.24E 20 3.0b **¶622410993**
SOME IX 28 14 47 14.1 42.15N 73.28E 10 3.0b
NNC IX 28 14 47 14.2–1.1 42.07N 73.32E 0 3.6b,3.3
KNET IX 28 14 47 16.7–.28 42.16N 73.43E 12–1 2.4L,3.3
ISU IX 28 14 47 17 42.00N 73.16E 7 2.4L,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.8km s-min=3.6km az=172.0.
KNET Error ellipse: s-maj=2.0km s-min=1.7km az=95.0.
ISC IX 29 07 46 12.4–.74 41.10N–.02 73.17E–.02 16–5 4.3b,3.2s 343 0-86
IDC IX 29 07 46 08.8–.73 40.99N 73.33E 0 4.1b,4.1 **¶621112445**
NEIC IX 29 07 46 11.7–2.6 41.09N–.05 73.24E–.07 10–1 4.5b,4.1
KRNET IX 29 07 46 12.1–.10 41.14N 73.27E 23 4.9b,4.1
NNC IX 29 07 46 12.7–1.1 41.12N 73.33E 0 4.9b,4.7
SOME IX 29 07 46 13.4 41.28N 73.30E 5 3.8s,4.7
ISU IX 29 07 46 13 41.09N 73.31E 11 3.8s,4.7
KNET IX 29 07 46 14.4–.51 41.27N 73.27E 11–3 4.3L,4.7
MOS IX 29 07 46 14.7–.90 41.11N 73.19E 31 4.5b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=12.8km s-min=9.1km az=133.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.1km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=10.3km s-min=3.5km az=175.0.
KNET Error ellipse: s-maj=4.7km s-min=3.6km az=123.0.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=4.1km az=70.6. Felt (III-IV) at Khunabad; (III) at Kurgantepa; (II-III) at Dzhalakuduk; (II) at Andizhan, Khodzhaabad. Moment Tensor Solution.
ISC X 03 03 58 12.8–1.2 42.18N–.03 71.48E–.02 11–12 40 1-4
KRNET X 03 03 58 14.0–.10 42.19N 71.49E 17 3.0b **¶622411105**
SOME X 03 03 58 13.9 42.30N 71.47E 10 3.0b
ISC Event type se.
KRNET X 01 13 49 06.2–.10 40.99N 73.03E 35 1.8b
¶622411071
ISC X 01 22 20 41.3–.93 41.30N–.02 72.59E–.02 13–8 83 0-3
KRNET X 01 22 20 40.2–.10 41.29N 72.59E 28 2.8b **¶622411082**
SOME X 01 22 20 40.5 41.25N 72.52E 15 2.8b
NNC X 01 22 20 42.1–1.5 41.32N 72.52E 0 3.1,3.0b
ISU X 01 22 20 42 41.28N 72.57E 15 3.1,3.0b
KNET X 01 22 20 42.9–.49 41.38N 72.66E 14–3 2.1L,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=3.5km az=177.0.
KNET Error ellipse: s-maj=7.6km s-min=3.9km az=120.0.
ISC X 05 09 43 58.7–1.5 41.76N–.04 73.36E–.05 4–14 25 1-4
SOME X 05 09 43 57.7 41.63N 73.32E 5 **¶622411169**
KRNET X 05 09 43 58.5–.10 41.77N 73.29E 15 2.2b
NNC X 05 09 44 05.2–2.0 42.31N 73.43E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.9km s-min=6.5km az=171.0.
ISC X 09 07 07 28.0–1.4 41.64N–.04 74.32E–.04 4–12 34 1-3
NNC X 09 07 07 28.8–1.3 41.64N 74.33E 0 3.4b,3.0 **¶622411256**
SOME X 09 07 07 28.5 41.63N 74.40E 10 3.4b,3.0
KRNET X 09 07 07 29.0–.10 41.71N 74.30E 22 2.5b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.4km s-min=4.7km az=167.0.
ISC X 13 16 13 34.8–.93 41.43N–.03 73.20E–.02 11–7 50 0-3
KRNET X 13 16 13 34.2–.10 41.41N 73.21E 23 2.9b **¶622411365**
ISU X 13 16 13 34 41.39N 73.25E 7 2.9b
NNC X 13 16 13 39.6–1.8 41.72N 73.13E 1–21 2.8,2.7b
SOME X 13 16 13 40.1 41.65N 73.17E 20 2.8,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.5km s-min=6.7km az=174.0.
ISC X 09 12 49 15.8–1.1 41.65N–.04 73.14E–.04 14–10 17 0-2
KRNET X 09 12 49 16.0–.10 41.64N 73.12E 19 2.7b **¶622411264**
ISC Event type se.
ISC X 15 16 24 33.5–1.1 42.64N–.05 73.09E–.03 10–10 47 0-2
KRNET X 15 16 24 33.4–.10 42.65N 73.07E 25 2.8b **¶622411430**
NNC X 15 16 24 33.5–1.3 42.43N 73.09E 0 2.6b,2.2
SOME X 15 16 24 33.6 42.63N 73.08E 10 2.6b,2.2
KNET X 15 16 24 35.4–.54 42.68N 73.18E 19–3 1.2L,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.4km s-min=4.2km az=0.0.
KNET Error ellipse: s-maj=3.9km s-min=3.4km az=65.0.
ISC X 14 05 23 44.7–1.1 40.25N–.04 72.05E–.02 5–10 77 0-6
KRNET X 14 05 23 43.5–.10 40.20N 72.03E 19 3.2b **¶621148717**
NNC X 14 05 23 45.9–3.8 40.29N 72.01E 3–20 3.1b,2.8
ISU X 14 05 23 45 40.23N 71.97E 11 3.1b,2.8
SOME X 14 05 23 47.4 40.47N 72.07E 5 3.1b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.5km s-min=10.6km az=179.0.
ISC XI 09 16 02 54.8–1.0 41.70N–.02 73.51E–.02 12–9 126 1-5
SOME XI 09 16 02 54.8 41.65N 73.47E 15 **¶622412072**
KRNET XI 09 16 02 54.6–.10 41.66N 73.43E 35 3.0b
NNC XI 09 16 02 55.1–.77 41.72N 73.41E 0 3.6b,3.4
KNET XI 09 16 02 57.0–.63 41.77N 73.49E 19–6 2.4L,3.4
ISU XI 09 16 02 59 41.73N 73.36E 13 2.4L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.1km s-min=2.7km az=169.0.
KNET Error ellipse: s-maj=4.7km s-min=3.5km az=98.0.
ISC X 16 22 59 05.1–1.1 41.25N–.02 71.71E–.02 3–10 57 0-4
NNC X 16 22 59 03.8–5.7 40.85N 71.45E 0 3.1b,3.0 **¶622411457**
SOME X 16 22 59 04.5 41.13N 71.65E 10 3.1b,3.0
KRNET X 16 22 59 05.1–.10 41.23N 71.57E 30 2.5b,3.0
ISU X 16 22 59 05 41.30N 71.75E 24 2.5b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=51.2km s-min=19.5km az=17.0.
ISC X 17 16 19 24.3–1.1 40.72N–.03 73.31E–.02 3–10 120 0-11
ISU X 17 16 19 22 40.69N 73.42E 9 **¶621205030**
KRNET X 17 16 19 23.4–.10 40.73N 73.36E 23 4.0b
KNET X 17 16 19 24.1–.50 40.80N 73.49E 12–4 3.2L
NNC X 17 16 19 26.4–1.2 40.96N 73.25E 1–7 3.9b,3.6
SOME X 17 16 19 27.0 40.92N 73.30E 20 3.9b,3.6
ISC Event type se.
KNET Error ellipse: s-maj=6.7km s-min=3.5km az=95.0.
NNC Event type se. Error ellipse: s-maj=11.4km s-min=3.5km az=176.0.
ISC X 19 18 12 06.5–1.0 41.70N–.02 71.80E–.02 8–10 57 1-4
KRNET X 19 18 12 06.3–.10 41.64N 71.71E 16 2.4b **¶622411518**
SOME X 19 18 12 07.2 41.70N 71.75E 10 2.4b
ISU X 19 18 12 08 41.62N 71.76E 8 2.4b
NNC X 19 18 12 10.7–2.1 41.83N 71.69E 0 3.0b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.0km s-min=5.3km az=14.0.
ISC X 22 15 31 26.0–1.1 41.55N–.03 72.53E–.02 9–10 54 0-3
KRNET X 22 15 31 24.5–.10 41.54N 72.51E 18 2.5b **¶622411610**
SOME X 22 15 31 25.0 41.60N 72.53E 5 2.5b
NNC X 22 15 31 29.0–1.6 41.74N 72.49E 0 2.5,2.5b
ISU X 22 15 31 28 41.50N 72.23E 3 2.5,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.6km s-min=6.1km az=165.0.
KRNET X 29 13 57 18.9–.10 42.94N 71.37E 19 2.4b
¶635806517
ISC X 30 11 36 08.5–1.2 41.63N–.03 73.89E–.02 8–11 59 1-3
KRNET X 30 11 36 09.0–.10 41.60N 73.90E 18 2.5b **¶622411781**
NNC X 30 11 36 09.0–1.4 41.57N 73.88E 22–9 3.1b,2.5
SOME X 30 11 36 09.1 41.67N 73.87E 5 3.1b,2.5
KNET X 30 11 36 10.8–.27 41.71N 73.97E 10–1 1.5L,2.5
ISC Event type se.

NNC Event type se. Error ellipse: s-maj=13.9km s-min=7.2km az=162.0.
KNET Error ellipse: s-maj=2.2km s-min=1.2km az=64.0.
ISC XI 05 15 41 24.5–3.1 39.4N–.10 72.63E–.05 10 28 3-7
SOME XI 05 15 41 23.7 39.38N 72.63E 10 **¶624926865**
NNC XI 05 15 41 28.5–3.8 39.20N 73.23E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.2km s-min=20.6km az=160.0.
ISC X 16 02 01 02.7–1.1 40.64N–.03 73.19E–.03 17–10 50 1-4
KRNET X 16 02 01 03.0–.10 40.65N 73.04E 17 2.7b **¶622411438**
ISU X 16 02 01 04 40.62N 73.04E 20 2.7b
SOME X 16 02 01 05.6 40.83N 73.02E 5 2.7b
NNC X 16 02 01 07.7–1.6 40.89N 73.02E 0 3.2b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=4.8km az=169.0.
ISC X 20 13 06 51.2–.92 41.18N–.02 71.18E–.02 13–7 94 0-7
KRNET X 20 13 06 49.9–.10 41.17N 71.16E 27 3.5b **¶624926287**
ISU X 20 13 06 50 41.15N 71.27E 21 3.5b
SOME X 20 13 06 50.7 41.27N 71.27E 5 3.5b
NNC X 20 13 07 00.9–1.8 43.67N 71.07E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.8km s-min=9.3km az=154.0.
ISC X 20 13 09 14.5–.95 41.23N–.02 71.19E–.03 16–8 35 0-3
KRNET X 20 13 09 14.9–.10 41.15N 71.26E 18 2.8b **¶622411551**
ISU X 20 13 09 15 41.17N 71.19E 23 2.8b
ISC Event type se.
ISC X 21 07 26 29.3–1.1 41.70N–.02 71.62E–.01 2–10 100 0-6
KRNET X 21 07 26 29.4–.10 41.69N 71.58E 14 3.9b **¶621229679**
SOME X 21 07 26 30.2 41.72N 71.57E 15 3.9b
ISU X 21 07 26 31 41.57N 71.40E 5 3.9b
NNC X 21 07 26 35.2–2.1 41.97N 71.61E 0 3.8,3.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.5km s-min=6.0km az=13.0.
ISC X 21 21 35 40.3–1.1 41.18N–.03 71.21E–.02 7–10 48 0-4
KRNET X 21 21 35 40.2–.10 41.16N 71.17E 26 2.3b **¶622411593**
ISU X 21 21 35 41 41.18N 71.15E 25 2.3b
NNC X 21 21 35 47.1–5.3 41.54N 71.35E 0 3.0b,2.7
SOME X 21 21 35 50.9 41.70N 71.27E 20 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.9km s-min=21.8km az=8.0.
ISC X 28 07 09 24.7–1.1 41.11N–.02 73.64E–.02 3–10 73 0-3
KRNET X 28 07 09 24.3–.10 41.10N 73.63E 20 2.9b **¶622411736**
SOME X 28 07 09 24.1 41.08N 73.60E 5 2.9b
NNC X 28 07 09 26.5–1.1 41.19N 73.58E 0 3.4b,3.2
KNET X 28 07 09 28.0–.70 41.29N 73.68E 8–6 2.1L,3.2
ISU X 28 07 09 29 40.99N 73.43E 30 2.1L,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.3km s-min=3.9km az=164.0.
KNET Error ellipse: s-maj=8.6km s-min=4.5km az=69.0.
ISC XI 10 17 41 19.9–1.1 42.09N–.02 73.43E–.02 2–7 4.0b 172 1-69
KRNET XI 10 17 41 21.0–.10 42.14N 73.38E 35 4.5b **¶621392732**
IDC XI 10 17 41 21.0–1.1 42.11N 73.44E 0 4.0,3.9b
SOME XI 10 17 41 21.6 42.15N 73.38E 15 3.8s,3.9b
NNC XI 10 17 41 22.9–.69 42.31N 73.42E 0 4.7b,4.3
KNET XI 10 17 41 24.0–.29 42.18N 73.61E 12–2 3.5L,4.3
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=9.4km az=158.0.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=2.5km az=173.0.
KNET Error ellipse: s-maj=2.3km s-min=1.7km az=96.0.
ISC XI 11 07 07 03.2–1.2 41.66N–.03 74.70E–.03 11–11 34 1-3
SOME XI 11 07 06 58.0 41.28N 74.70E 10 **¶622412118**
NNC XI 11 07 07 01.3–3.4 41.55N 74.59E 0 3.0b,2.9
KRNET XI 11 07 07 04.5–.10 41.73N 74.74E 23 2.7b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.4km s-min=17.7km az=10.0.
ISC XI 12 01 38 08.4–1.0 40.89N–.02 72.70E–.01 7–7 3.9b 243 0-86
IDC XI 12 01 38 07.4–.94 40.76N 72.73E 0 3.9b,3.9 **¶621399238**
SOME XI 12 01 38 08.2 40.90N 72.53E 5 3.9b,3.9
MOS XI 12 01 38 09.0–2.0 40.85N 72.53E 12 4.2b,3.9
KRNET XI 12 01 38 09.7–.10 40.91N 72.72E 30 4.3b,3.9
ISU XI 12 01 38 09 40.88N 72.64E 15 4.3b,3.9
NNC XI 12 01 38 10.2–.98 40.88N 72.56E 0 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=10.7km az=150.0.
MOS Error ellipse: s-maj=6.0km s-min=4.1km az=66.3.
NNC Event type se. Error ellipse: s-maj=8.5km s-min=3.1km az=1.0.
ISC XI 17 11 17 16.8–.77 41.14N–.02 73.04E–.01 15–5 4.2b,3.4s 344 0-86
IDC XI 17 11 17 13.8–.75 41.05N 73.14E 0 3.9,3.8L **¶621413695**
ISU XI 17 11 17 15 41.14N 72.99E 5 3.9,3.8L
MOS XI 17 11 17 15.8–1.3 41.11N 72.99E 13 4.5b,3.8L
NNC XI 17 11 17 16.6–.90 41.12N 73.04E 0 5.2b,4.9
SOME XI 17 11 17 16.7 41.20N 73.03E 5 3.9s,4.9
KRNET XI 17 11 17 16.2–.10 41.12N 73.03E 24 5.1b,4.9
NEIC XI 17 11 17 17.7–1.2 41.12N–.05 72.95E–.04 10–2 4.3b,4.9
GFZ XI 17 11 17 18.3–.29 41N–4.0 73E–3.0 10 5.1b,4.8
KNET XI 17 11 17 20.0–.69 41.23N 73.24E 21–3 4.4L,4.8
ISC Event type se.
IDC Error ellipse: s-maj=11.7km s-min=10.5km az=144.0.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=70.3. Felt (II-III) at Andizhan. Moment Tensor Solution.
NNC Event type se. Error ellipse: s-maj=7.9km s-min=4.1km az=174.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.8km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ Error ellipse: s-maj=9.0km s-min=5.5km az=138.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
KNET Error ellipse: s-maj=7.5km s-min=4.3km az=100.0.
ISC XI 15 12 20 12.8–.82 42.80N–.02 74.95E–.01 11–6 124 0-8
SOME XI 15 12 20 11.9 42.78N 74.87E 15 **¶621406832**
KRNET XI 15 12 20 11.4–.10 42.80N 74.94E 21 3.4b
KNET XI 15 12 20 11.3–.26 42.81N 74.96E 16–2 2.8L
NNC XI 15 12 20 11.7–.23 42.82N 74.93E 0 3.8b,3.5
ISC Event type se.
KNET Error ellipse: s-maj=2.8km s-min=2.1km az=26.0.
NNC Event type se. Error ellipse: s-maj=3.7km s-min=1.3km az=159.0.
ISC XI 16 22 34 53.8–1.1 40.15N–.03 72.60E–.02 13–10 90 1-6
SOME XI 16 22 34 53.5 40.47N 72.40E 0 **¶621412429**
KRNET XI 16 22 34 53.7–.10 40.19N 72.59E 27 3.3b
ISU XI 16 22 34 54 40.28N 72.46E 5 3.3b
NNC XI 16 22 34 57.3–1.9 40.52N 72.46E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.3km s-min=7.0km az=178.0.
ISC XI 18 19 59 54.8–1.1 41.72N–.02 71.39E–.02 4–10 100 0-6
SOME XI 18 19 59 54.7 41.73N 71.42E 15 **¶622412399**
KRNET XI 18 19 59 54.1–.10 41.65N 71.47E 16 3.1b
ISU XI 18 19 59 55 41.65N 71.41E 14 3.1b
NNC XI 18 19 59 56.1–1.2 41.78N 71.43E 0 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.4km s-min=4.8km az=12.0.
ISC XI 21 04 10 34.8–.93 41.65N–.03 71.27E–.02 9–7 39 0-3
KRNET XI 21 04 10 33.1–.10 41.65N 71.18E 21 2.3b **¶622412466**
SOME XI 21 04 10 34.2 41.63N 71.28E 10 2.3b
ISU XI 21 04 10 35 41.46N 71.19E 5 2.3b
NNC XI 21 04 10 36.2–2.4 41.68N 71.24E 0 2.7,2.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.6km s-min=8.4km az=1.0.
ISC XI 19 21 50 06.5–1.1 41.07N–.02 71.82E–.02 9–9 54 1-4
KRNET XI 19 21 50 05.9–.10 41.06N 71.82E 26 2.7b **¶622412433**
SOME XI 19 21 50 06.7 41.03N 71.75E 10 2.7b
ISU XI 19 21 50 07 40.98N 71.63E 8 2.7b
NNC XI 19 21 50 08.1–2.2 41.12N 71.83E 0 3.2b,3.2
ISC Event type se.

NNC Event type se. Error ellipse: s-maj=19.0km s-min=6.5km az=175.0.
ISC XI 19 14 26 24.5–.77 42.69N–.02 74.61E–.01 12–4 90 0-4
KRNET XI 19 14 26 23.6–.10 42.67N 74.61E 21 2.6b ¶622412420
KNET XI 19 14 26 23.4–.35 42.68N 74.64E 14–3 2.0L
SOME XI 19 14 26 24.3 42.72N 74.55E 15 2.0L
NNC XI 19 14 26 24.2–.28 42.75N 74.59E 0 3.5b,3.0
ISC Event type se.
KNET Error ellipse: s-maj=2.6km s-min=2.2km az=152.0.
NNC Event type se. Error ellipse: s-maj=3.6km s-min=1.7km az=148.0.
ISC XI 19 01 01 09.3–1.1 39.54N–.06 72.45E–.03 10 50 1-15
NNC XI 19 01 01 05.6–5.1 39.29N 72.28E 0 4.0b,3.6 ¶621416153
KRNET XI 19 01 01 07.8–.10 39.49N 72.46E 12 3.5b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.5km s-min=24.6km az=174.0.
ISC XI 22 01 53 17.8–1.2 40.16N–.04 73.72E–.03 5–10 71 0-5
SOME XI 22 01 53 12.2 39.93N 73.73E 5 ¶621428031
KRNET XI 22 01 53 12.6–.10 39.74N 74.00E 14 3.5b
NNC XI 22 01 53 14.7–2.1 39.82N 74.14E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.5km s-min=8.2km az=176.0.
ISC XI 23 09 15 06.1–1.2 42.38N–.04 74.10E–.02 14–8 61 0-3
NNC XI 23 09 15 07.4–1.1 42.35N 74.24E 1–4 2.8,2.7b ¶622412540
KRNET XI 23 09 15 07.7–.10 42.35N 74.27E 17 3.1b,2.7b
KNET XI 23 09 15 07.6–.49 42.38N 74.30E 22–5 1.7L,2.7b
SOME XI 23 09 15 08.0 42.35N 74.22E 20 1.7L,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=3.4km az=167.0.
KNET Error ellipse: s-maj=3.7km s-min=2.2km az=27.0.
ISC XI 23 21 21 41.7–1.1 39.55N–.06 72.97E–.02 10 81 1-15
SOME XI 23 21 21 37.7 39.67N 73.00E 5 ¶622412560
NNC XI 23 21 21 39.1–3.9 39.46N 72.97E 0 3.6b,3.5
KRNET XI 23 21 21 41.3–.10 39.64N 72.84E 12 3.2b,3.5
ISU XI 23 21 21 41 39.44N 73.09E 13 3.2b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.5km s-min=15.8km az=164.0.
ISC XI 26 21 11 08.3–.98 41.84N–.02 71.87E–.02 15–10 86 1-4
SOME XI 26 21 11 07.6 41.80N 71.80E 5 ¶622412645
KRNET XI 26 21 11 07.7–.10 41.84N 71.79E 19 3.0b
ISU XI 26 21 11 09 41.77N 71.82E 14 3.0b
NNC XI 26 21 11 12.1–1.4 42.98N 71.62E 0 3.3b,3.1
KNET XI 26 21 11 13.2–.41 42.02N 72.08E 2–1 2.6L,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.1km s-min=6.3km az=169.0.
KNET Error ellipse: s-maj=7.5km s-min=2.4km az=150.0.
ISC XI 25 19 40 54.5–.95 41.59N–.02 73.40E–.01 14–8 135 0-5
KRNET XI 25 19 40 54.7–.10 41.56N 73.35E 28 3.5b ¶621468832
NNC XI 25 19 40 54.5–.89 41.61N 73.29E 0 3.7b,3.6
SOME XI 25 19 40 55.1 41.63N 73.38E 10 3.7b,3.6
ISU XI 25 19 40 56 41.57N 73.34E 10 3.7b,3.6
KNET XI 25 19 40 56.9–.46 41.65N 73.38E 22–3 2.7L,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=3.9km az=177.0.
KNET Error ellipse: s-maj=4.5km s-min=2.7km az=111.0.
ISC XI 29 16 42 35.6–1.1 40.98N–.02 73.50E–.02 5–9 136 0-6
KRNET XI 29 16 42 35.0–.10 41.03N 73.57E 20 3.3b ¶621494364
SOME XI 29 16 42 35.9 41.12N 73.57E 10 3.3b
NNC XI 29 16 42 35.9–.81 41.10N 73.53E 0 3.5b,3.3
ISU XI 29 16 42 36 41.12N 73.49E 20 3.5b,3.3
KNET XI 29 16 42 37.5–.45 41.17N 73.64E 13–3 2.4L,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=3.1km az=173.0.
KNET Error ellipse: s-maj=4.7km s-min=3.3km az=76.0.
ISC XI 27 09 21 23.2–.75 40.08N–.02 73.05E–.01 6–5 3.9b,3.1s 194 0-85
IDC XI 27 09 21 19.4–1.1 39.98N 72.65E 0 3.8b,3.8 ¶621480373
SOME XI 27 09 21 19.0 40.00N 72.83E 15 3.8b,3.8
KRNET XI 27 09 21 22.5–.10 40.09N 72.98E 16 4.4b,3.8
MOS XI 27 09 21 22.2–1.3 40.04N 72.93E 12 4.4b,3.8
ISU XI 27 09 21 24 40.05N 73.11E 17 4.4b,3.8
NNC XI 27 09 21 25.0–.78 40.23N 72.97E 0 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=14.0km az=106.0.
MOS Error ellipse: s-maj=8.7km s-min=4.7km az=72.1.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=3.2km az=2.0.
ISC XII 01 00 59 25.0–.79 42.67N–.02 74.64E–.02 17–5 96 0-4
KNET XII 01 00 59 25.7–.26 42.69N 74.62E 17–2 2.0L ¶622412746
NNC XII 01 00 59 26.8–.32 42.75N 74.60E 0 3.8b,3.2
SOME XII 01 00 59 26.6 42.68N 74.60E 10 3.8b,3.2
KRNET XII 01 00 59 26.3–.10 42.66N 74.60E 20 2.9b,3.2
ISC Event type se.
KNET Error ellipse: s-maj=2.2km s-min=1.8km az=154.0.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=1.1km az=135.0.
SOME XII 05 11 04 24.4 39.13N 72.73E 10
¶636235744
ISC XII 07 23 41 17.2–.95 41.65N–.02 73.21E–.02 18–7 120 0-5
KRNET XII 07 23 41 16.9–.10 41.57N 73.18E 35 3.1b ¶622412964
SOME XII 07 23 41 17.7 41.65N 73.17E 10 3.1b
NNC XII 07 23 41 18.4–.98 41.65N 73.14E 16–6 3.5b,3.3
ISU XII 07 23 41 19 41.58N 73.29E 18 3.5b,3.3
KNET XII 07 23 41 21.6–.54 41.82N 73.22E 20–3 2.2L,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.0km s-min=4.0km az=168.0.
KNET Error ellipse: s-maj=5.3km s-min=3.2km az=105.0.
ISC XII 06 03 36 41.4–.98 41.99N–.02 70.56E–.02 19–2 44 0-4
SOME XII 06 03 36 42.6 42.02N 70.55E 10 ¶622412919
KRNET XII 06 03 36 42.2–.10 41.92N 70.55E 15 2.7b
ISU XII 06 03 36 43 41.90N 70.49E 5 2.7b
NNC XII 06 03 36 45.9–2.7 42.14N 70.34E 7–26 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.5km s-min=19.0km az=95.0.
ISC XII 05 23 15 32.8–1.1 41.01N–.03 72.61E–.03 18–6 27 0-3
KRNET XII 05 23 15 34.0–.10 40.96N 72.61E 12 2.6b ¶622412911
SOME XII 05 23 15 35.1 41.03N 72.62E 10 2.6b
NNC XII 05 23 15 37.6–6.4 44.38N 72.65E 0 3.1b,2.9
ISC Event type se.
NNC Error ellipse: s-maj=52.8km s-min=29.6km az=5.0.
ISC XII 08 06 34 36.0–1.1 39.81N–.04 72.44E–.03 11–10 46 1-4
KRNET XII 08 06 34 35.7–.10 39.77N 72.46E 20 2.9b ¶622412973
ISU XII 08 06 34 37 39.79N 72.41E 15 2.9b
NNC XII 08 06 34 43.7–4.2 40.19N 72.43E 0 3.6b,3.2
SOME XII 08 06 34 44.0 40.25N 72.23E 10 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.7km s-min=12.9km az=3.0.
ISC XII 11 10 38 01.7–1.1 41.54N–.04 71.51E–.03 6–15 21 0-4
KRNET XII 11 10 38 01.6–.10 41.51N 71.45E 19 2.7b ¶622413046
SOME XII 11 10 38 02.5 41.52N 71.60E 10 2.7b
ISU XII 11 10 38 02 41.60N 71.57E 9 2.7b
ISC Event type se.
ISC XII 11 21 42 38.0–1.1 41.19N–.02 72.36E–.02 12–9 74 0-4
KRNET XII 11 21 42 36.9–.10 41.15N 72.34E 24 2.8b ¶622413060
ISU XII 11 21 42 38 41.18N 72.35E 14 2.8b
SOME XII 11 21 42 39.2 41.23N 72.33E 10 2.8b
NNC XII 11 21 42 41.1–1.9 41.34N 72.38E 0 3.4b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.5km s-min=6.7km az=173.0.
ISC XII 11 22 30 00.7–1.0 40.78N–.02 72.60E–.01 13–9 123 1-6
ISU XII 11 22 30 02 40.70N 72.47E 14 ¶621627539
KRNET XII 11 22 30 02.5–.10 40.70N 72.50E 19 3.6b
SOME XII 11 22 30 03.4 40.87N 72.52E 5 3.6b
NNC XII 11 22 30 04.4–.82 40.85N 72.50E 6–3 4.0b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.9km s-min=2.7km az=1.0.
ISC XII 15 01 58 35.6–1.0 41.55N–.02 74.03E–.02 12–9 125 1-5
KRNET XII 15 01 58 35.8–.10 41.53N 74.04E 30 3.2b ¶622413148
SOME XII 15 01 58 37.5 41.62N 74.02E 15 3.2b
NNC XII 15 01 58 38.5–.66 41.64N 74.04E 0 3.5b,3.3
KNET XII 15 01 58 38.4–1.1 41.62N 74.22E 0 2.4L,3.3
ISU XII 15 01 58 39 41.50N 73.99E 30 2.4L,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=2.7km az=178.0.
KNET Error ellipse: s-maj=5.9km s-min=3.7km az=45.0.
ISC XII 11 21 31 10.6–.89 41.59N–.02 71.23E–.02 7–7 62 0-4
SOME XII 11 21 31 09.4 41.48N 71.17E 10 ¶622413059
KRNET XII 11 21 31 09.1–.10 41.58N 71.15E 11 2.6b
ISU XII 11 21 31 11 40.49N 71.21E 15 2.6b
NNC XII 11 21 31 11.6–1.2 41.66N 71.24E 0 3.1,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=4.5km az=7.0.
ISC XII 12 03 21 47.2–1.4 41.13N–.03 71.74E–.02 21–5 44 1-2
SOME XII 12 03 21 44.4 40.98N 71.67E 20 ¶622413069
KRNET XII 12 03 21 45.5–.10 41.16N 71.61E 30 2.4b
ISU XII 12 03 21 45 41.11N 71.88E 21 2.4b
NNC XII 12 03 21 46.5–3.0 41.05N 71.66E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.6km s-min=9.7km az=177.0.
ISC XII 18 07 18 32.8–1.9 41.81N–.04 74.56E–.04 5–15 11 1-2
NNC XII 18 07 18 26.0–.97 41.36N 74.54E 0 3.0b,2.6 ¶622413230
KRNET XII 18 07 18 29.1–.10 41.90N 74.49E 11 2.1b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=3.3km az=177.0.
ISC XII 24 01 59 09.5–.74 41.30N–.02 75.51E–.02 10 101 0-10
KRNET XII 24 01 59 09.0–.10 41.29N 75.53E 15 3.9b ¶621652217
SOME XII 24 01 59 09.4 41.23N 75.52E 20 3.9b
NNC XII 24 01 59 10.1–.82 41.30N 75.53E 0 4.3b,4.0
KNET XII 24 01 59 12.0–.57 41.46N 75.52E 5–4 3.3L,4.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=3.0km az=6.0.
KNET Error ellipse: s-maj=4.8km s-min=2.8km az=152.0.
ISC XII 19 11 47 00.7–.88 41.37N–.04 71.31E–.03 10 32 0-4
KRNET XII 19 11 46 55.6–.10 41.20N 71.01E 23 2.5b ¶622413251
SOME XII 19 11 46 55.2 41.03N 71.28E 10 2.5b
ISU XII 19 11 46 56 41.54N 71.10E 3 2.5b
NNC XII 19 11 46 57.1–1.8 41.08N 71.33E 0 3.1b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.7km s-min=6.4km az=3.0.
ISC XII 22 14 05 58.0–1.1 39.62N–.05 72.79E–.03 10 61 1-5
SOME XII 22 14 05 44.5 38.97N 72.87E 5 ¶621644246
KRNET XII 22 14 05 56.4–.10 39.54N 72.84E 13 3.5b
ISC Event type se.
ISC XII 30 11 52 00.9–.97 42.45N–.07 72.39E–.03 13–7 22 0-3
KRNET XII 30 11 52 00.1–.10 42.34N 72.41E 14 2.6b ¶622413629
SOME XII 30 11 52 00.9 42.48N 72.33E 10 2.6b
ISC Event type se.
ISC XII 27 03 32 55.8–1.1 41.61N–.02 71.43E–.02 4–10 56 0-4
SOME XII 27 03 32 55.6 41.55N 71.32E 5 ¶622413524
KRNET XII 27 03 32 55.7–.10 41.56N 71.42E 9 2.8b
ISU XII 27 03 32 56 41.74N 71.30E 13 2.8b
NNC XII 27 03 32 57.1–3.0 41.49N 71.24E 0 3.1b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.2km s-min=9.2km az=6.0.
NNC XII 27 14 42 07.9–4.9 39.25N 72.58E 0 3.7,3.5b
¶624930237
NNC Event type se. Error ellipse: s-maj=34.2km s-min=19.7km az=170.0.
ISC XII 28 10 16 36.3–1.4 39.49N–.06 72.74E–.03 4–11 60 1-6
KRNET XII 28 10 16 35.6–.10 39.51N 72.64E 19 3.1b ¶622413556
ISU XII 28 10 16 44 39.62N 72.66E 10 3.1b
ISC Event type se.

(717) Afghanistan-Tajikistan border region.

ISC VII 02 01 34 04.6–1.6 36.5N–.10 72.3E–.20 100 3.5b 15 6-81
IDC VII 02 01 33 53.5–2.4 36.36N 72.15E 0 3.7b,3.6 ¶620927704
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=20.1km az=132.0.
NNC VII 04 05 45 15.3–5.9 37.30N 68.73E 0 3.6b,3.2
¶621251284
NNC Event type se. Error ellipse: s-maj=63.7km s-min=35.2km az=150.0.
ISC VII 06 09 40 43.3–.55 37.40N–.06 68.87E–.06 29 4.1b 86 3-93
IDC VII 06 09 40 38.7–1.0 37.20N 68.94E 0 4.0b,4.0 ¶621251377
NEIC VII 06 09 40 41.7–1.4 37.46N–.06 68.76E–.05 10–1 4.2b,4.0
NNC VII 06 09 40 52.1–4.0 37.85N 69.11E 146–247 3.9,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=17.3km az=0.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.1km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=76.8km s-min=21.2km az=172.0.
ISC VII 07 22 57 12.2–1.1 36.6N–.10 71.0E–.10 188 3.5b 31 6-84
IDC VII 07 22 57 09.5–5.5 36.40N 71.09E 170–46 3.9,3.4b ¶620928145
NNC VII 07 22 57 16.9–4.7 36.96N 70.84E 194–58 3.8,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=18.3km az=32.0.
NNC Event type se. Error ellipse: s-maj=45.5km s-min=27.4km az=15.0.
ISC VII 08 08 20 55.2–.25 36.62N–.03 71.46E–.03 177–2 4.9b 1297 3-150
BGR VII 08 08 20 34.8 36.11N 72.01E 33 5.2b ¶620773178
MOS VII 08 08 20 54.1–.89 36.70N 71.49E 174 4.9b
BJI VII 08 08 20 54.1 36.82N 71.46E 168 4.8b,4.8b
GFZ VII 08 08 20 55.9–.38 37N–2.0 72E–2.0 174–4 5.3b,5.1b
IDC VII 08 08 20 56.0–.49 36.53N 71.46E 186–4 5.0,4.5b
NEIC VII 08 08 20 56.6–1.3 36.66N–.06 71.42E–.09 183–6 4.9b,4.5b
NNC VII 08 08 21 01.1–2.9 37.18N 71.58E 209–22 5.5,4.5b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.5km s-min=3.1km az=110.3.
GFZ Error ellipse: s-maj=5.2km s-min=4.5km az=15.9. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=9.4km s-min=6.6km az=15.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.4km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=27.2km s-min=14.8km az=24.0.
ISC VII 09 01 38 33.9–.40 37.07N–.04 71.94E–.05 150 4.0b 191 3-84
IDC VII 09 01 38 34.0–3.4 37.02N 72.00E 150–28 4.3,4.2s ¶620783821
GFZ VII 09 01 38 34.7–.39 37N–5.0 72E–6.0 160–8 4.3b,4.3
NEIC VII 09 01 38 35.3–1.5 37.14N–.05 71.87E–.09 155–6 4.4b,4.3
NNC VII 09 01 38 39.4–3.0 37.48N 71.90E 174–43 4.8,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=12.7km az=10.0.
GFZ Error ellipse: s-maj=14.9km s-min=7.5km az=129.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.2km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=31.0km s-min=13.8km az=19.0.
ISC VII 10 02 14 43.2–.38 38.91N–.02 70.61E–.02 15–2 5.9s,5.8b 2442 1-149
IDC VII 10 02 14 40.6–.32 38.84N 70.66E 0 5.6b,5.6 ¶620787256
MOS VII 10 02 14 41.1–1.1 38.88N 70.64E 11 6.1b,5.8s
KRNET VII 10 02 14 42.7–.10 39.03N 70.56E 6.5b,5.8s
ISC-P VII 10 02 14 42 38.92N 70.56E 5–0 ,5.8s
NEIC VII 10 02 14 42.9–2.1 38.92N–.04 70.56E–.08 12–3 5.9,5.8b
NNC VII 10 02 14 42.3–1.1 39.08N 70.34E 0 6.4b,5.8
SOME VII 10 02 14 42.1 38.73N 70.45E 10 6.4b,5.8
GFZ VII 10 02 14 43.4 38.91N 70.65E 16 5.8W,5.8

NEIC VII 10 02 14 43.6 38.95N 70.59E 15 5.8W,5.8
GFZ VII 10 02 14 43.5–.09 39N–2.0 71E–1.0 10 6.2b,5.9b
GCMT VII 10 02 14 44.7–.10 39.00N–.01 70.47E–.01 12 5.8W,5.9b
BGR VII 10 02 14 45.4 39.04N 70.70E 33 6.0s,5.8b
PTWC VII 10 02 14 47 39.00N 70.60E 42 5.7,5.8b
BJI VII 10 02 14 48.0 38.85N 71.15E 40 6.2s,6.1L
NEIC VII 10 02 14 51.2 39.05N 70.47E 22 5.7,6.1L
ISC Event type ke.
IDC Error ellipse: s-maj=8.1km s-min=6.8km az=179.0.
MOS Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=109.0. Felt (III-IV) at Fergana, Gulistan, Namangan, Andizhan, (III) at Dzhizak, Tashkent, Samarkand, Termez, Karshi, Navoi, (II-III) at Dushanbe. Moment Tensor Solution.
ISC-P Moment Tensor Solution. s47 Moment tensor: M_{rr}0.50±.15 $M_{\theta\theta}$-0.18±.14; $M_{\phi\phi}$0.48±.13; $M_{r\theta}$-0.28±.13; $M_{\theta\phi}$-0.35±.10; $M_{\phi r}$-0.20±.12; NP1:ϕ_s112.00000°,δ36.20000°,λ156.00000°. NP2: ϕ_s221.80000°,δ76.10000°,λ56.20000°.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.1km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=42.0.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.24 $M_{\theta\theta}$-2.25 $M_{\phi\phi}$-2.99 $M_{r\theta}$2.21 $M_{\theta\phi}$-2.46 $M_{\phi r}$-1.01 NP1: ϕ_s202.29192°,δ44.51328°,λ60.51514°. NP2:ϕ_s60.70363°,δ52.39057°,λ115.82241°. Principal axes: T 6.1487,Plg69.3512°,Azm31.5627°; N -0.9891,Plg20.1857°,Azm224.2511° ; P -5.1596,Plg4.1690°,Azm132.7154° M_o5.71870×10^{17}
NEIC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202107100214A. Moment Tensor Solution. s138,c258; s161,c379;Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.09±.06 $M_{\theta\theta}$-2.37±.06; $M_{\phi\phi}$-2.72±.05; $M_{r\theta}$-1.86±.18; $M_{\theta\phi}$-4.60±.05; $M_{\phi r}$-3.36±.17; Best double couple: NP1: ϕ_s59.00000°,δ31.00000°,λ113.00000°. NP2:ϕ_s213.00000°,δ62.00000°,λ77.00000°. Principal axes: T 6.3400,Plg70.0000°,Azm94.0000°; N 1.8530,Plg12.0000°,Azm219.0000° ; P -8.1920,Plg16.0000°,Azm312.0000° M_o7.26600×10^{17}
BGR Event type ke.
PTWC AFGHANISTAN-TAJIKISTAN BORDER REGION.
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}2.87 $M_{\theta\theta}$-2.77 $M_{\phi\phi}$-0.10 $M_{r\theta}$1.89 $M_{\theta\phi}$-2.41 $M_{\phi r}$-0.34 NP1:ϕ_s213.12000°,δ40.22000° ,λ47.99000°. NP2:ϕ_s82.84000°,δ61.33000°,λ119.51000°. Principal axes: T 3.7731,Plg62.0000°,Azm40.0000°; N 0.7114,Plg26.0000°,Azm248.0000° ; P -4.4845,Plg12.0000°,Azm152.0000° M_o4.17000×10^{17}

ISC VII 10 02 42 32.1–.99 38.97N–.07 70.60E–.05 17 3.8b 71 1-72
IDC VII 10 02 42 28.9–2.0 38.80N 70.58E 0 3.8b,3.8 **¶620928310**
KRNET VII 10 02 42 31.1–.10 39.01N 70.65E 3.9b,3.8
NNC VII 10 02 42 34.6–6.7 39.17N 70.30E 0 4.1b,3.7
SOME VII 10 02 42 35.0 38.92N 70.45E 10 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=13.5km az=150.0.
NNC Event type se. Error ellipse: s-maj=54.5km s-min=40.0km az=20.0.
ISC VII 10 15 22 41.9–.31 38.93N–.02 70.50E–.03 10 4.3b,3.2s 347 1-90
IDC VII 10 15 22 39.6–.70 38.73N 70.49E 0 4.0,3.9b **¶620787384**
MOS VII 10 15 22 40.6–1.2 38.94N 70.45E 10 4.4b,3.9b
NEIC VII 10 15 22 42.3–1.9 39.00N–.04 70.46E–.06 10–1 4.5b,3.9b
BGR VII 10 15 22 42.5 38.62N 71.23E 33 4.0b,3.9b
GFZ VII 10 15 22 42.1–.18 39N–3.0 70E–2.0 10 4.6,4.4b
KRNET VII 10 15 22 43.0–.10 39.07N 70.59E 4.6b,4.4b
NNC VII 10 15 22 44.0–1.8 39.09N 70.18E 0 4.7b,4.4
SOME VII 10 15 22 44.5 38.83N 70.35E 10 4.7b,4.4
BJI VII 10 15 22 44.6 38.79N 71.08E 10 4.4b,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=9.6km az=144.0.
MOS Error ellipse: s-maj=6.8km s-min=4.8km az=71.3.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.1km az=304.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=11.2km az=49.0.
ISC VII 11 01 00 50.7–.80 39.00N–.06 70.70E–.04 10 3.6b 63 1-86
SOME VII 11 01 00 45.9 39.08N 71.22E 5 3.6b **¶620928388**
KRNET VII 11 01 00 50.9–.10 39.01N 70.73E 3.9b
NNC VII 11 01 00 54.0–4.4 39.17N 70.19E 0 4.3b,4.2
IDC VII 11 01 00 57.8–3.7 38.98N 70.81E 72–31 3.8,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.2km s-min=26.3km az=9.0.
IDC Error ellipse: s-maj=28.7km s-min=14.2km az=7.0.
NNC VII 13 14 34 12.8–8.4 37.69N 71.55E 0 3.5b,3.2 ¶621251707
NNC Event type se. Error ellipse: s-maj=65.8km s-min=52.9km az=169.0.
ISC VII 14 09 27 59.6–2.2 39.0N–.10 70.39E–.07 17 29 1-14
KRNET VII 14 09 27 57.1–.10 39.01N 70.45E 3.3b **¶621251736**
NNC VII 14 09 27 57.0–3.1 38.88N 70.26E 0 3.8b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.5km s-min=22.4km az=33.0.
ISC VII 15 00 18 34.0–.43 36.66N–.04 71.33E–.05 200 4.0b 148 3-84
IDC VII 15 00 18 31.3–3.5 36.54N 71.35E 170–32 4.0,3.5b **¶621112238**
MOS VII 15 00 18 33.1–.81 36.72N 71.30E 195 4.3b,3.5b
NEIC VII 15 00 18 34.1–1.1 36.75N–.03 71.26E–.09 188–6 4.2b,3.5b
NNC VII 15 00 18 37.8–1.8 37.06N 71.12E 177–21 4.0,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=12.4km az=31.0.
MOS Error ellipse: s-maj=9.5km s-min=5.3km az=92.2.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=3.8km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=17.2km s-min=12.0km az=44.0.
ISC VII 16 04 24 06.8–1.3 36.6N–.10 71.1E–.10 100 3.5b 24 6-82
NNC VII 16 04 24 07.4–12 37.08N 70.08E 0 4.3b,4.2 **¶620928677**
IDC VII 16 04 24 08.9–7.3 36.58N 71.44E 121–65 3.9,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=116.8km s-min=66.5km az=161.0.
IDC Error ellipse: s-maj=55.5km s-min=26.7km az=27.0.
ISC VII 16 19 56 05.6–.74 38.99N–.03 70.53E–.03 4–4 4.3b,2.8s 279 1-99
SOME VII 16 19 55 59.8 39.08N 71.10E 10 4.3b,2.8s **¶620833020**
NNC VII 16 19 56 01.0–7.1 38.00N 70.55E 99–117 4.5,4.1b
MOS VII 16 19 56 05.3–1.0 39.02N 70.47E 9 4.3b,4.1b
KRNET VII 16 19 56 05.6–.10 39.02N 70.41E 4.5b,4.1b
IDC VII 16 19 56 05.2–.78 38.91N 70.68E 0 4.1,4.0b
NEIC VII 16 19 56 09.2–1.7 39.06N–.03 70.38E–.09 30–3 4.3b,4.0b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VII 19 13 40 26.8–1.2 36.52N–.08 71.1E–.20 188 3.3b 16 7-84
IDC VII 19 13 40 25.2–9.8 36.37N 71.17E 172–84 3.7,3.2b **¶620928875**
ISC Event type se.
IDC Error ellipse: s-maj=71.0km s-min=33.6km az=50.0.
NNC VII 20 19 43 03.4–3.9 38.86N 70.41E 0 3.5b,3.0 ¶621251984
NNC Event type se. Error ellipse: s-maj=30.8km s-min=24.4km az=173.0.
ISC VII 24 11 21 09.9–.43 37.22N–.04 71.27E–.04 95–4 4.3b 259 3-90
MOS VII 24 11 21 09.5–.98 37.33N 71.32E 99 4.4b **¶620845667**
IDC VII 24 11 21 10.0–.83 37.21N 71.41E 97–5 4.2,3.8b
NEIC VII 24 11 21 11.1–1.4 37.38N–.07 71.2E–.10 92–6 4.4b,3.8b
NNC VII 24 11 21 12.0–6.6 37.81N 70.86E 0 4.5b,4.1
ISC Event type se.
MOS Error ellipse: s-maj=9.0km s-min=5.3km az=83.7.
IDC Error ellipse: s-maj=13.7km s-min=12.3km az=160.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.6km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=57.7km s-min=43.0km az=151.0.

ISC VII 20 18 35 56.7–3.8 36.5N–.20 72.6E–.20 63 12 6-16
NNC VII 20 18 35 59.4–7.9 36.67N 72.37E 59–241 3.8,3.6b **¶621148024**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=68.2km s-min=57.2km az=138.0.
ISC VII 21 04 42 30.0–.75 36.89N–.06 71.29E–.09 150 3.7b 44 3-81
NEIC VII 21 04 42 30.4–1.8 36.92N–.05 71.4E–.10 127–7 4.1b **¶620961628**
NNC VII 21 04 42 31.2–7.7 37.44N 70.35E 0 4.2b,3.9
IDC VII 21 04 42 38.0–8.5 37.29N 71.76E 166–55 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=3.9km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=60.1km s-min=42.4km az=174.0.
IDC Error ellipse: s-maj=73.6km s-min=33.1km az=9.0.

ISC VII 21 05 13 12.4–.64 36.46N–.06 71.23E–.08 100 3.8b 42 5-84
IDC VII 21 05 13 10.6–4.6 36.35N 71.30E 85–37 4.0,3.6b **¶620961629**
NNC VII 21 05 13 15.4–6.2 37.13N 70.11E 0 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=19.0km az=21.0.
NNC Event type se. Error ellipse: s-maj=49.6km s-min=38.4km az=8.0.
ISC VII 24 19 31 16.8–1.8 38.98N–.06 70.63E–.04 0–10 3.6b 61 1-86
SOME VII 24 19 31 15.2 39.07N 72.20E 20 3.6b **¶620970243**
IDC VII 24 19 31 15.8–1.0 38.73N 70.54E 0 3.7,3.6b
KRNET VII 24 19 31 18.7–.10 39.00N 70.72E 4.1b,3.6b
NNC VII 24 19 31 18.8–3.1 38.80N 70.19E 15–11 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=11.0km az=144.0.
NNC Event type se. Error ellipse: s-maj=21.1km s-min=17.6km az=177.0.
ISC VII 24 23 11 20.8–.46 37.38N–.04 71.73E–.05 100 4.0b 113 2-80
NEIC VII 24 23 11 22.3–1.2 37.44N–.04 71.78E–.05 110–8 4.4b **¶620845786**
NNC VII 24 23 11 25.9–4.5 37.75N 71.71E 148–55 4.0,3.4b
IDC VII 24 23 11 26.9–4.3 37.74N 71.84E 146–32 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=3.3km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=44.6km s-min=27.5km az=173.0.
IDC Error ellipse: s-maj=37.7km s-min=15.6km az=175.0.

ISC VII 27 04 31 16.2–2.1 37.6N–.10 69.7E–.20 10 7 6-83
IDC VII 27 04 30 59.2–2.3 35.44N 69.61E 0 3.6b,3.6 **¶620978943**
ISC Event type se.
IDC Error ellipse: s-maj=51.9km s-min=38.2km az=82.0.

ISC VII 26 08 49 09.6–.44 36.57N–.04 71.52E–.04 114 4.1b 126 3-84
IDC VII 26 08 49 07.2–4.5 36.48N 71.48E 80–39 4.0,3.6b **¶620846097**
NEIC VII 26 08 49 08.9–1.6 36.59N–.05 71.51E–.09 98–7 4.2b,3.6b
NNC VII 26 08 49 15.2–3.5 37.05N 71.23E 157–29 4.1,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=13.3km az=11.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.7km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=28.5km s-min=16.5km az=15.0.

ISC VII 28 12 46 48.8–2.2 37.4N–.20 71.5E–.10 109 3.8b 18 6-44
NNC VII 28 12 46 50.4–4.9 37.44N 71.24E 100–81 3.4,3.0b **¶620979615**
IDC VII 28 12 46 50.4–8.1 37.48N 71.54E 115–58 3.8,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.7km s-min=28.8km az=168.0.
IDC Error ellipse: s-maj=71.5km s-min=45.3km az=165.0.

ISC VII 28 08 32 28.6–.69 37.15N–.06 71.57E–.08 100 4.1b 60 2-81
NEIC VII 28 08 32 29.9–1.5 37.24N–.07 71.4E–.10 95–8 4.3b **¶620979608**
IDC VII 28 08 32 33.0–7.8 37.38N 71.59E 126–49 4.1,3.7b
NNC VII 28 08 32 33.0–4.1 37.44N 71.36E 131–57 3.6,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.9km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.1km s-min=25.9km az=175.0.
NNC Event type se. Error ellipse: s-maj=36.7km s-min=26.4km az=178.0.

ISC VII 28 16 02 14.6–1.5 36.5N–.10 71.2E–.10 188 11 7-66
IDC VII 28 16 02 13.3–11 36.44N 71.20E 183–101 3.5,3.1b **¶620979625**
NNC VII 28 16 02 18.9–6.8 37.05N 70.80E 0 3.5b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=75.1km s-min=36.5km az=174.0.
NNC Event type se. Error ellipse: s-maj=67.4km s-min=46.5km az=141.0.

ISC VIII 01 09 16 26.3–.36 36.88N–.03 71.49E–.04 104–3 4.6b 382 3-150
NEIC VIII 01 09 16 26.6–2.0 36.99N–.06 71.38E–.08 102–5 4.6b **¶620925426**
BJI VIII 01 09 16 27.0 37.12N 71.47E 112 4.8b,4.7b
IDC VIII 01 09 16 27.1–.53 36.94N 71.49E 109–4 4.5,4.1b
GFZ VIII 01 09 16 28.1–.42 37N–4.0 71E–3.0 99–5 4.7b,4.3
NNC VIII 01 09 16 29.9–3.4 37.29N 71.13E 168–49 4.6,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.4km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.7km s-min=7.1km az=26.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=33.3km s-min=19.6km az=11.0.

IDC VII 28 20 09 50.5–14 37.14N 70.88E 237–133 3.4,3.0b ¶620979633
IDC Error ellipse: s-maj=94.2km s-min=31.2km az=25.0.
NNC VIII 02 00 15 08.5–9.8 37.31N 69.77E 9–51 3.6b,3.1 ¶625785755
NNC Event type se. Error ellipse: s-maj=68.1km s-min=40.7km az=160.0.

ISC VIII 03 20 23 22.7–3.6 37.2N–.20 71.4E–.10 106 11 6-15
NNC VIII 03 20 23 23.3–7.0 37.55N 71.31E 0 3.8b,3.7 **¶621148064**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=55.2km s-min=44.6km az=168.0.

ISC VIII 05 01 30 51.9–1.6 36.7N–.10 71.7E–.10 50 3.7b 23 6-66
IDC VIII 05 01 30 44.3–2.6 36.49N 71.94E 0 3.8b,3.8 **¶620998777**
NNC VIII 05 01 30 49.8–4.6 36.53N 71.47E 56–101 3.6b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=49.6km s-min=16.3km az=136.0.
NNC Event type se. Error ellipse: s-maj=41.9km s-min=33.7km az=103.0.

ISC VIII 03 21 29 01.3–1.9 37.1N–.10 71.0E–.10 150 3.7b 19 6-66
IDC VIII 03 21 28 47.8–5.9 36.23N 71.31E 76–56 3.6,3.4b **¶620995905**
NNC VIII 03 21 28 52.7–4.9 36.96N 70.88E 0 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=59.1km s-min=38.9km az=119.0.
NNC Event type se. Error ellipse: s-maj=38.9km s-min=32.7km az=161.0.

ISC VIII 03 23 52 38.6–.82 36.48N–.06 71.45E–.09 100 3.9b 33 5-45
IDC VIII 03 23 52 40.1–8.4 36.55N 71.38E 96–59 3.7,3.5b **¶620995921**
NNC VIII 03 23 52 40.2–5.7 37.03N 70.91E 0 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=77.9km s-min=42.7km az=160.0.
NNC Event type se. Error ellipse: s-maj=45.0km s-min=37.4km az=162.0.

NNC VIII 09 11 04 21.9–9.0 37.23N 71.47E 200–200 3.5,2.3b ¶625786013
NNC Event type se. Error ellipse: s-maj=113.8km s-min=79.3km az=9.0.

ISC VIII 05 14 14 58.2–1.4 37.0N–.10 71.4E–.20 200 3.4b 13 6-82
IDC VIII 05 14 15 11.0–8.4 37.24N 71.78E 330–85 3.7,3.0b **¶620998813**
ISC Event type se.
IDC Error ellipse: s-maj=52.7km s-min=24.6km az=20.0.

ISC VIII 07 05 55 29.8–1.1 36.52N–.09 71.2E–.10 100 3.7b 28 7-81
IDC VIII 07 05 55 36.6–8.9 36.83N 71.22E 131–59 3.7,3.3b **¶621000708**
NNC VIII 07 05 55 37.5–3.5 37.01N 70.89E 116–42 3.8,3.2b
ISC Event type se.

IDC Error ellipse: s-maj=76.4km s-min=42.0km az=173.0.
NNC Event type se. Error ellipse: s-maj=27.8km s-min=19.9km az=6.0.
ISC VIII 07 06 44 04.5–.67 36.52N–.06 71.01E–.07 200 3.6b 58 3-84
IDC VIII 07 06 44 03.9–6.7 36.45N 71.12E 195–53 3.8,3.6s ¶621000710
NEIC VIII 07 06 44 05.8–1.3 36.56N–.08 71.1E–.10 206–7 4.0b,3.6s
NNC VIII 07 06 44 10.7–3.2 36.99N 71.05E 185–34 3.4,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=61.4km s-min=24.5km az=52.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=11.7km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=30.8km s-min=18.8km az=174.0.
ISC VIII 07 09 34 36.3–.39 36.36N–.03 71.18E–.03 102–3 4.5b 539 3-150
BGR VIII 07 09 34 34.3 36.38N 70.83E 33 4.5b ¶620976067
MOS VIII 07 09 34 35.6–1.3 36.41N 71.18E 105 4.7b
BJI VIII 07 09 34 37.7 36.65N 71.13E 116 4.7b,4.5b
NEIC VIII 07 09 34 37.6–1.0 36.46N–.06 71.11E–.09 114–5 4.6b,4.5b
IDC VIII 07 09 34 39.0–2.9 36.34N 71.26E 122–25 4.5,4.1b
GFZ VIII 07 09 34 39.1–.35 36N–3.0 71E–3.0 103–4 4.7b,4.5
NNC VIII 07 09 34 43.6–3.9 37.02N 71.05E 159–35 5.5,4.4b
SOME VIII 07 09 34 45.6 37.30N 71.22E 10 5.5,4.4b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=5.4km s-min=3.4km az=91.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.1km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=9.9km az=17.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=31.2km s-min=17.3km az=17.0.
ISC VIII 05 04 18 11.2–.47 37.47N–.04 71.84E–.05 130 4.1b 83 3-80
IDC VIII 05 04 18 08.3–4.9 37.43N 71.74E 91–39 4.2s,3.9 ¶620969528
NEIC VIII 05 04 18 11.3–1.1 37.57N–.06 71.83E–.09 118–7 4.5b,3.9
NNC VIII 05 04 18 14.7–4.3 37.83N 71.67E 142–58 4.3,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=28.0km az=144.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.9km az=118.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=40.5km s-min=24.7km az=6.0.
ISC VIII 10 16 25 07.9–.54 36.63N–.05 71.46E–.05 200 4.1b 74 3-78
IDC VIII 10 16 25 06.9–5.1 36.74N 71.42E 166–42 3.8,3.1b ¶620979660
NEIC VIII 10 16 25 07.6–.88 36.68N–.06 71.5E–.10 171–4 4.1b,3.1b
NNC VIII 10 16 25 08.5–6.0 37.19N 71.02E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=26.8km az=8.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.2km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=46.9km s-min=35.5km az=165.0.
ISC VIII 12 11 31 52.3–2.0 37.3N–.20 71.8E–.20 150 3.4b 11 6-80
IDC VIII 12 11 31 57.1–9.1 37.62N 71.84E 180–55 3.9,3.3b ¶621009405
ISC Event type se.
IDC Error ellipse: s-maj=88.9km s-min=43.0km az=169.0.
ISC VIII 13 13 18 45.6–.41 37.52N–.03 71.86E–.03 105–4 4.7b 694 3-88
IDC VIII 13 13 18 45.1–2.7 37.44N 71.85E 100–23 4.5,4.1b ¶620986252
BJI VIII 13 13 18 45.9 37.54N 72.04E 97 5.0b,4.1b
MOS VIII 13 13 18 45.4–.97 37.59N 71.81E 107 4.7b,4.1b
GFZ VIII 13 13 18 47.9–.36 38N–3.0 72E–3.0 110–4 4.8b,4.7
NEIC VIII 13 13 18 47.0–1.1 37.60N–.05 71.83E–.08 112–7 4.6b,4.7
NNC VIII 13 13 18 50.4–2.6 37.85N 71.70E 158–29 4.5,4.0b
SOME VIII 13 13 18 55.9 38.37N 72.18E 10 4.5,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=9.8km az=9.0.
MOS Error ellipse: s-maj=4.9km s-min=3.6km az=102.8.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.2km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=26.1km s-min=16.2km az=175.0.
ISC VIII 14 10 29 15.5–.72 37.40N–.06 71.95E–.09 130 4.0b 50 4-44
NEIC VIII 14 10 29 16.2–.83 37.51N–.07 71.74E–.09 107–12 4.3b ¶621013480
NNC VIII 14 10 29 16.4–6.9 37.87N 71.31E 0 4.1b,3.7
IDC VIII 14 10 29 19.2–7.6 37.65N 71.77E 130–52 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.9km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=53.4km s-min=41.5km az=172.0.
IDC Error ellipse: s-maj=71.2km s-min=41.1km az=163.0.
NNC VIII 13 23 13 15.7–3.5 37.42N 70.99E 0 3.8b,3.4
¶625786169
NNC Event type se. Error ellipse: s-maj=30.5km s-min=21.9km az=153.0.
ISC VIII 13 20 14 18.5–.53 36.71N–.05 71.72E–.06 200 3.5b 66 4-82
IDC VIII 13 20 14 14.9–4.4 36.50N 71.41E 152–39 3.9,3.4b ¶621012213
NNC VIII 13 20 14 25.3–4.4 37.29N 71.37E 189–47 3.7,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=16.9km az=8.0.
NNC Event type se. Error ellipse: s-maj=41.8km s-min=23.5km az=8.0.
ISC VIII 18 08 52 15.6–.99 38.76N–.08 70.27E–.08 17 4.0b 32 4-84
NNC VIII 18 08 52 14.9–2.2 38.82N 70.23E 0–10 4.4b,4.0 ¶621030358
IDC VIII 18 08 52 26.1–5.4 39.39N 70.64E 110–51 3.9,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.0km s-min=11.6km az=11.0.
IDC Error ellipse: s-maj=44.6km s-min=19.7km az=31.0.
ISC VIII 17 00 38 37.2–.41 36.62N–.04 71.07E–.04 237–4 4.4b 376 3-150
IDC VIII 17 00 38 36.7–2.4 36.47N 71.10E 239–22 4.5,3.9b ¶620990406
NEIC VIII 17 00 38 37.8–1.5 36.67N–.06 71.14E–.09 241–2 4.5b,3.9b
MOS VIII 17 00 38 37.1–.87 36.68N 71.08E 244 4.5b,3.9b
BJI VIII 17 00 38 37.1 36.91N 70.87E 248 4.5b,4.1b
NNC VIII 17 00 38 40.5–3.1 36.93N 71.00E 244–24 5.2,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=9.0km az=9.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.0km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.2km s-min=3.8km az=80.5.
NNC Event type se. Error ellipse: s-maj=30.4km s-min=20.2km az=21.0.
ISC VIII 17 08 44 13.9–.56 36.51N–.05 71.07E–.06 200 3.7b 103 3-84
IDC VIII 17 08 44 11.0–3.9 36.30N 70.92E 170–33 4.0,3.5b ¶621030246
NEIC VIII 17 08 44 16.3–1.8 36.65N–.07 71.1E–.10 205–6 4.1b,3.5b
NNC VIII 17 08 44 18.5–4.1 36.89N 70.90E 189–52 4.5,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=19.2km az=15.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.1km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=39.9km s-min=23.3km az=29.0.
ISC VIII 15 10 41 12.3–.40 37.46N–.03 70.12E–.02 15–2 5.2b,4.8s 1447 4-149
NNC VIII 15 10 41 08.0–2.4 37.42N 69.91E 0 5.6b,5.4 ¶620986900
BJI VIII 15 10 41 09.6 37.44N 70.31E 5 5.3b,5.2L
IDC VIII 15 10 41 09.3–.38 37.37N 70.18E 0 5.0b,5.0
MOS VIII 15 10 41 10.7–.98 37.49N 70.14E 12 5.3b,4.8s
NEIC VIII 15 10 41 11.4–1.3 37.49N–.06 70.14E–.08 9–4 5.2b,5.2
GCMT VIII 15 10 41 12.8–.20 37.51N–.01 70.10E–.01 12–0 5.2W,5.2
GFZ VIII 15 10 41 16.2–.30 37N–2.0 70E–1.0 37–2 5.6b,5.1b
BGR VIII 15 10 41 22.6 37.41N 69.08E 33 5.0b,4.8s
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=20.9km s-min=17.2km az=6.0.

IDC Error ellipse: s-maj=9.4km s-min=7.8km az=158.0.
MOS Error ellipse: s-maj=4.3km s-min=3.5km az=125.8.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=9.1km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108151041A. Moment Tensor Solution. s72,c110; s123,c223;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.00±.14 $M_{\theta\theta}$-0.39±.10; $M_{\phi\phi}$-2.61±.11; $M_{r\theta}$-4.72±.45; $M_{\theta\phi}$-4.23±.09; $M_{\phi r}$-0.57±.27; Best double couple: NP1:ϕ_s2.00000° ,δ40.00000°,λ26.00000°. NP2:ϕ_s252.00000°,δ74.00000°,λ127.00000°. Principal axes: T 6.8040,Plg48.0000°,Azm201.0000°; N 0.3100,Plg35.0000°,Azm60.0000° ; P -7.1100,Plg20.0000°,Azm315.0000° $M_0$6.95700×10^{16}
GFZ Error ellipse: s-maj=4.8km s-min=2.9km az=13.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
BGR Event type ke.
ISC VIII 18 11 35 02.2–.59 37.21N–.06 71.90E–.08 100 3.8b 47 5-84
IDC VIII 18 11 34 51.2–.98 36.95N 71.90E 0 3.9b,3.9 ¶621030372
NNC VIII 18 11 34 57.0–3.0 37.41N 71.04E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=16.4km az=157.0.
NNC Event type se. Error ellipse: s-maj=23.4km s-min=19.7km az=0.0.
ISC VIII 20 22 47 30.6–.76 37.08N–.08 71.66E–.09 106 3.9b 28 6-58
NNC VIII 20 22 47 42.1–3.7 37.73N 71.92E 0 3.5b,3.2 ¶621041320
IDC VIII 20 22 47 44.3–4.6 37.78N 71.66E 211–36 3.8,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.6km s-min=23.0km az=153.0.
IDC Error ellipse: s-maj=49.2km s-min=31.1km az=152.0.
NNC VIII 21 04 19 57.8–14 38.42N 71.88E 0 3.9b,3.6
¶625786415
NNC Event type se. Error ellipse: s-maj=145.3km s-min=70.5km az=155.0.
NNC VIII 22 09 48 12.9–6.4 37.06N 70.75E 0 4.1b,3.9
¶625561035
NNC Event type se. Error ellipse: s-maj=50.5km s-min=38.3km az=165.0.
NNC VIII 22 00 54 25.8–23 37.50N 71.63E 182–905 3.7,2.6b
¶625786455
NNC Event type se. Error ellipse: s-maj=396.9km s-min=68.2km az=4.0.
ISC VIII 23 21 54 11.0–1.1 36.49N–.09 71.1E–.10 150 23 7-44
IDC VIII 23 21 54 18.9–9.0 36.96N 71.02E 175–63 3.6,3.1b ¶621049267
NNC VIII 23 21 54 19.1–5.1 37.08N 71.08E 214–84 3.5,2.4b
ISC Event type se.
IDC Error ellipse: s-maj=84.2km s-min=46.9km az=172.0.
NNC Event type se. Error ellipse: s-maj=55.9km s-min=40.1km az=44.0.
NNC VIII 23 02 55 32.4–5.6 38.90N 70.25E 4–33 3.9b,3.4
¶625786484
NNC Event type se. Error ellipse: s-maj=39.9km s-min=25.9km az=175.0.
ISC VIII 25 22 12 30.0–.72 36.64N–.06 71.50E–.08 150 3.7b 49 5-58
NNC VIII 25 22 12 33.4–4.1 36.90N 71.38E 151–63 4.1,3.2b ¶621058962
IDC VIII 25 22 12 34.9–5.6 36.98N 71.36E 165–45 3.9,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.2km s-min=25.6km az=24.0.
IDC Error ellipse: s-maj=49.9km s-min=36.2km az=163.0.
ISC VIII 25 23 18 48.9–17 39N–1.0 70.6E–.40 35 12 4-6
NNC VIII 25 23 18 44.6–5.9 39.22N 71.47E 0 4.0b,3.5 ¶621148156
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.8km s-min=22.3km az=8.0.
ISC VIII 26 19 02 01.9–2.4 37.2N–.20 70.3E–.10 64 19 6-50
NNC VIII 26 19 02 01.8–4.3 37.53N 70.35E 0 3.6b,3.1 ¶621059015
IDC VIII 26 19 02 02.6–8.9 36.91N 71.01E 95–71 3.9b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.7km s-min=24.4km az=176.0.
IDC Error ellipse: s-maj=80.0km s-min=59.7km az=148.0.
ISC VIII 26 13 25 22.1–.41 38.89N–.03 70.58E–.04 17 4.0b 166 3-86
SOME VIII 26 13 25 18.0 39.13N 70.73E 25 4.0b ¶621008160
IDC VIII 26 13 25 18.6–.79 38.78N 70.99E 0 3.9b,3.9
NNC VIII 26 13 25 20.0–2.0 38.85N 70.91E 0 4.5b,4.3
MOS VIII 26 13 25 24.6–1.5 39.05N 70.86E 46 4.5b,4.3
NEIC VIII 26 13 25 26.9–2.3 39.05N–.06 70.9E–.10 49–7 4.6b,4.3
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VIII 28 00 22 47.7–.50 36.40N–.05 71.19E–.05 200 3.6b 85 3-84
IDC VIII 28 00 22 45.0–3.5 36.24N 71.19E 178–31 3.9,3.3b ¶621009738
NEIC VIII 28 00 22 48.8–1.1 36.47N–.06 71.2E–.10 204–5 4.1b,3.3b
NNC VIII 28 00 22 50.4–2.8 36.67N 70.99E 172–32 4.5,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=14.1km az=17.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.5km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=26.6km s-min=19.7km az=55.0.
ISC IX 02 04 50 05.5–.54 37.30N–.03 70.28E–.03 16–3 4.8b,4.1s 494 3-143
BJI IX 02 04 50 03.9 37.58N 70.39E 7 4.8b,4.7b ¶621022460
MOS IX 02 04 50 04.4–1.2 37.39N 70.24E 13 4.9b,4.1s
NEIC IX 02 04 50 06.3–1.6 37.60N–.03 70.34E–.08 10–1 5.0b,4.1s
GFZ IX 02 04 50 07.6–.23 37N–3.0 70E–3.0 10 5.0b,4.9
IDC IX 02 04 50 07.3–3.8 37.19N 70.32E 33–28 4.5L,4.5
NNC IX 02 04 50 13.6–4.3 37.65N 70.12E 123–42 5.2,4.6b
GCMT IX 02 04 50 13.0–.30 37.43N–.02 70.21E–.02 38–1 4.8W,4.6b
ISC Event type se.
MOS Event type fe. Felt (II) at Dushanbe. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109020450A. Moment Tensor Solution. s29,c33; s85,c127; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.11 $M_{\theta\theta}$-0.96±.08; $M_{\phi\phi}$0.49±.08; $M_{r\theta}$1.18±.08; $M_{\theta\phi}$-1.72±.06; $M_{\phi r}$-0.22±.08; Best double couple: NP1:ϕ_s193.00000°,δ56.00000° ,λ9.00000°. NP2:ϕ_s98.00000°,δ83.00000°,λ145.00000°. Principal axes: T 2.1100,Plg29.0000°,Azm50.0000°; N 0.2660,Plg55.0000°,Azm267.0000° ; P -2.3760,Plg18.0000°,Azm150.0000° $M_0$2.24300×10^{16}
ISC IX 02 16 55 54.7–.73 36.85N–.06 71.95E–.08 142 3.8b 49 5-45
IDC IX 02 16 55 55.9–6.6 37.00N 71.73E 115–50 3.8,3.5b ¶621080693
NNC IX 02 16 55 58.4–3.1 37.20N 71.39E 136–42 4.1,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=65.6km s-min=34.7km az=150.0.
NNC Event type se. Error ellipse: s-maj=28.6km s-min=22.1km az=177.0.
NNC IX 04 11 05 17.2–1.9 38.68N 70.35E 0 3.7b,3.3
¶624939961
NNC Event type se. Error ellipse: s-maj=15.8km s-min=12.5km az=179.0.
ISC IX 09 18 08 23.5–1.1 37.50N–.09 71.9E–.10 130 23 5-41
IDC IX 09 18 08 07.3–8.9 36.62N 70.95E 0 4.0b,3.6 ¶621105897
NNC IX 09 18 08 33.5–3.5 38.12N 72.08E 190–42 3.3,2.5b
ISC Event type se.
IDC Error ellipse: s-maj=145.5km s-min=38.6km az=157.0.
NNC Event type se. Error ellipse: s-maj=35.9km s-min=21.4km az=25.0.
NNC IX 04 06 05 49.1–14 37.77N 71.17E 0 3.5b,3.2
¶624939948
NNC Event type se. Error ellipse: s-maj=146.7km s-min=80.5km az=24.0.
ISC IX 07 17 04 30.4–2.3 36.9N–.20 71.4E–.20 250 3.5b 14 6-44
IDC IX 07 17 04 30.2–8.3 36.86N 71.59E 263–55 3.7,3.2b ¶621094332
ISC Event type se.
IDC Error ellipse: s-maj=83.8km s-min=43.5km az=173.0.
ISC IX 09 23 43 14.7–.33 36.64N–.03 71.14E–.03 211–3 4.4b 621 3-150
BGR IX 09 23 42 44.3 34.48N 71.84E 33 4.7b,3.8s ¶621051041
IDC IX 09 23 43 14.0–.59 36.60N 71.12E 210–5 4.5,3.9b
MOS IX 09 23 43 14.1–.95 36.68N 71.13E 216 4.5b,3.9b
BJI IX 09 23 43 15.4 36.94N 71.12E 221 4.7b,4.6b
GFZ IX 09 23 43 15.8–.32 37N–3.0 71E–3.0 207–4 5.1b,5.0L

NEIC IX 09 23 43 15.6–1.4 36.68N–.05 71.09E–.09 214–3 4.5b,5.0L
NNC IX 09 23 43 16.8–2.7 36.88N 71.20E 220–20 5.0,3.9b
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=8.7km s-min=7.3km az=178.0.
MOS Error ellipse: s-maj=4.9km s-min=3.4km az=97.4.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.5km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=24.7km s-min=13.7km az=26.0.
ISC IX 11 12 24 26.3–.85 36.71N–.08 71.25E–.08 150 3.6b 40 6-84
NNC IX 11 12 24 23.8–4.8 37.00N 71.05E 0 4.7b,4.5 **¶621108583**
IDC IX 11 12 24 24.4–6.3 36.55N 71.50E 142–54 4.0,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.1km s-min=26.4km az=2.0.
IDC Error ellipse: s-maj=48.2km s-min=17.5km az=33.0.
ISC IX 12 04 31 31.5–3.2 37.5N–.20 71.8E–.10 200 17 5-16
NNC IX 12 04 31 32.7–2.9 37.59N 71.78E 208–30 4.2,3.0b **¶624940246**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.7km s-min=16.8km az=14.0.
ISC IX 11 18 28 22.7–2.2 36.5N–.20 71.1E–.20 200 3.3b 15 7-66
IDC IX 11 18 28 20.4–5.7 36.23N 71.22E 200–51 3.7,3.1b **¶621108597**
ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=40.5km az=148.0.
NNC IX 24 10 06 27.3–5.6 37.64N 71.47E 206–88 3.5,2.4b ¶624940716
NNC Event type se. Error ellipse: s-maj=60.2km s-min=34.5km az=27.0.
ISC IX 12 21 44 36.5–.84 36.10N–.07 71.30E–.09 119 3.6b 50 4-82
IDC IX 12 21 44 36.2–6.7 36.06N 71.19E 102–53 3.8,3.5b **¶621109679**
NNC IX 12 21 44 42.1–4.7 36.61N 70.78E 158–48 4.0,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=48.5km s-min=27.0km az=29.0.
NNC Event type se. Error ellipse: s-maj=39.7km s-min=26.4km az=32.0.
ISC IX 13 15 59 32.8–.48 37.16N–.04 71.51E–.05 106 4.2b 122 2-84
NEIC IX 13 15 59 34.2–.67 37.29N–.06 71.50E–.09 105–7 4.3b **¶621072367**
IDC IX 13 15 59 36.0–4.1 37.30N 71.88E 132–35 3.8,3.7s
NNC IX 13 15 59 36.5–4.2 37.48N 71.44E 133–41 4.1,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.2km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.3km s-min=17.0km az=38.0.
NNC Event type se. Error ellipse: s-maj=35.4km s-min=19.9km az=20.0.
ISC IX 19 03 54 47.7–1.8 37.4N–.10 71.6E–.10 109 3.9b 27 5-58
IDC IX 19 03 54 48.8–7.4 37.30N 72.06E 135–57 3.7,3.4b **¶621113604**
NNC IX 19 03 54 50.3–3.6 37.51N 71.38E 123–90 4.0,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=68.5km s-min=50.4km az=153.0.
NNC Event type se. Error ellipse: s-maj=34.6km s-min=23.2km az=27.0.
ISC IX 27 04 41 27.4–.44 36.65N–.04 71.10E–.05 200 4.2b 230 3-151
BJI IX 27 04 41 27.1 36.72N 71.08E 206 4.7b,4.7b **¶621110568**
MOS IX 27 04 41 27.6–.92 36.70N 71.06E 213 4.5b,4.7b
IDC IX 27 04 41 28.6–3.1 36.61N 71.11E 212–27 4.4,3.7b
NEIC IX 27 04 41 28.2–1.9 36.66N–.06 71.1E–.10 210–5 4.3b,3.7b
NNC IX 27 04 41 30.4–3.8 36.92N 70.89E 167–49 4.7,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=9.1km s-min=4.9km az=89.3.
IDC Error ellipse: s-maj=23.6km s-min=13.9km az=18.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.2km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=37.1km s-min=17.2km az=38.0.
ISC IX 26 07 21 01.7–1.2 36.3N–.10 71.4E–.10 114 3.8b 21 7-82
IDC IX 26 07 20 47.2–1.5 35.74N 71.28E 0 3.9b,3.9 **¶621131499**
NNC IX 26 07 21 01.8–3.6 36.42N 71.14E 90–64 3.7,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=20.8km az=139.0.
NNC Event type se. Error ellipse: s-maj=37.5km s-min=27.3km az=120.0.
ISC IX 26 22 15 52.1–.70 36.83N–.06 71.64E–.08 200 3.4b 50 5-66
IDC IX 26 22 15 51.1–5.2 36.80N 71.56E 175–45 3.8,3.3b **¶621131542**
NNC IX 26 22 15 57.6–3.6 37.33N 71.41E 192–44 3.8,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=34.7km az=143.0.
NNC Event type se. Error ellipse: s-maj=35.6km s-min=20.4km az=13.0.
NNC X 02 08 13 53.7–15 37.52N 71.19E 87–402 3.2,3.0b ¶624925682
NNC Event type se. Error ellipse: s-maj=128.1km s-min=92.9km az=0.0.
ISC IX 30 10 36 36.7–.48 36.36N–.04 71.23E–.04 126–5 4.4b 315 3-150
MOS IX 30 10 36 36.0–.92 36.42N 71.22E 128 4.6b **¶621113676**
NEIC IX 30 10 36 37.2–2.1 36.39N–.03 71.23E–.09 131–6 4.5b
NNC IX 30 10 36 37.5–3.2 36.55N 71.05E 91–49 4.8,4.2b
IDC IX 30 10 36 37.1–.68 36.31N 71.23E 131–5 4.4,3.9b
BJI IX 30 10 36 40.4 36.51N 71.78E 125 4.8b,4.5b
ISC Event type se.
MOS Error ellipse: s-maj=7.5km s-min=3.9km az=80.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.3km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=28.3km s-min=25.3km az=28.0.
IDC Error ellipse: s-maj=10.3km s-min=9.2km az=38.0.
ISC IX 29 22 46 42.7–.99 36.88N–.08 71.2E–.10 88 20 6-81
IDC IX 29 22 46 40.7–8.6 36.78N 71.11E 47–64 3.4b,3.4 **¶621146407**
NNC IX 29 22 46 52.3–3.7 37.49N 71.19E 205–42 3.6,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=133.2km s-min=46.5km az=141.0.
NNC Event type se. Error ellipse: s-maj=35.8km s-min=24.3km az=36.0.
ISC IX 30 17 13 02.7–.54 37.28N–.05 71.73E–.06 109 3.9b 104 2-80
NEIC IX 30 17 13 03.6–2.0 37.39N–.06 71.48E–.04 101–8 4.2b **¶621147774**
NNC IX 30 17 13 06.8–3.5 37.67N 71.50E 150–49 4.2,3.5b
IDC IX 30 17 13 07.5–4.7 37.61N 71.62E 131–32 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=34.3km s-min=18.2km az=29.0.
IDC Error ellipse: s-maj=45.2km s-min=17.1km az=165.0.
ISC IX 30 13 04 12.4–.31 36.60N–.03 71.11E–.03 208–2 4.8b 715 3-150
MOS IX 30 13 04 11.9–.81 36.64N 71.14E 215 4.8b **¶621113678**
IDC IX 30 13 04 12.9–.65 36.47N 71.01E 218–5 4.7,4.2b
NEIC IX 30 13 04 13.4–1.4 36.65N–.05 71.08E–.08 214–4 4.8b,4.2b
GFZ IX 30 13 04 13.8–.28 37N–3.0 71E–3.0 209–3 5.1b,4.8b
BJI IX 30 13 04 14.8 36.75N 71.38E 219 5.0b,4.8b
NNC IX 30 13 04 15.7–2.6 36.95N 71.04E 205–29 5.4,4.3b
ISC Event type se.
MOS Error ellipse: s-maj=6.0km s-min=3.4km az=83.8.
IDC Error ellipse: s-maj=9.5km s-min=7.1km az=18.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.5km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=24.3km s-min=17.7km az=30.0.
ISC X 02 20 46 52.9–.81 37.33N–.06 71.11E–.09 68 3.8b 64 6-85
IDC X 02 20 46 44.1–1.3 37.07N 70.76E 0 3.8,3.7L **¶621186086**
NNC X 02 20 46 58.0–5.0 37.75N 70.77E 163–52 4.0,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=19.2km az=24.0.
NNC Event type se. Error ellipse: s-maj=46.3km s-min=21.4km az=6.0.
ISC X 11 21 32 21.0–1.1 36.97N–.09 71.6E–.10 150 18 4-17
NNC X 11 21 32 29.3–8.4 37.44N 71.39E 168–106 3.5,2.5b **¶624925983**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=75.6km s-min=49.6km az=23.0.
ISC X 05 00 20 09.9–.33 36.43N–.03 71.39E–.03 125–3 4.4b 585 3-98
NNC X 05 00 20 06.8–2.7 36.82N 71.03E 0 5.3,5.2b **¶621120421**
MOS X 05 00 20 09.5–1.1 36.48N 71.41E 133 4.6b,5.2b
BJI X 05 00 20 09.6 36.54N 71.39E 127 4.6b,4.5b
NEIC X 05 00 20 10.4–1.6 36.48N–.06 71.30E–.09 126–6 4.4b,4.5b
GFZ X 05 00 20 11.3–.43 36N–4.0 71E–4.0 122–4 5.2b,4.7b
IDC X 05 00 20 11.2–.54 36.42N 71.37E 136–4 4.5,4.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.7km s-min=16.6km az=7.0.
MOS Error ellipse: s-maj=5.1km s-min=3.3km az=92.6.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.8km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=11.5km s-min=8.3km az=31.0.
ISC X 11 22 35 33.5–1.9 36.54N–.09 71.0E–.20 188 17 6-8
NDI X 11 22 35 31.9–1.8 36.59N 70.53E 90 3.4L **¶635783133**
NNC X 11 22 35 36.7–12 37.05N 70.57E 0 3.6b,3.3
ISC Event type ke.
NDI Event type se. Error ellipse: s-maj=18.3km s-min=19.7km az=-1.0. Presumed earthquake.
NNC Event type se. Error ellipse: s-maj=98.1km s-min=89.2km az=173.0.
ISC X 18 23 49 06.5–3.2 36.8N–.20 71.2E–.20 150 10 6-37
IDC X 18 23 49 07.1–9.1 36.84N 71.23E 195–64 3.5b,3.5 **¶621244051**
NNC X 18 23 49 11.8–7.9 37.16N 70.94E 144–169 3.3,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=85.7km s-min=56.9km az=172.0.
NNC Event type se. Error ellipse: s-maj=80.4km s-min=55.7km az=17.0.
ISC X 14 19 26 34.8–.83 36.15N–.09 72.5E–.10 150 3.9b 40 4-67
NNC X 14 19 26 35.9–10 36.51N 70.81E 126–129 3.7,3.0b **¶621240657**
IDC X 14 19 26 37.9–9.2 36.14N 72.33E 178–95 3.7,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=97.8km s-min=48.1km az=11.0.
IDC Error ellipse: s-maj=61.8km s-min=52.8km az=116.0.
ISC X 15 04 13 45.9–2.0 37.4N–.10 71.5E–.10 100 4.3b 18 5-43
IDC X 15 04 13 04.8–12 33.98N 73.27E 0 4.0b,3.8 **¶621242033**
NNC X 15 04 13 48.1–3.7 37.55N 71.51E 113–69 3.4,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=214.0km s-min=51.3km az=148.0.
NNC Event type se. Error ellipse: s-maj=31.2km s-min=23.3km az=29.0.
NNC X 18 06 08 51.8–4.2 36.71N 71.03E 145–80 3.5,2.7b ¶624926204
NNC Event type se. Error ellipse: s-maj=36.1km s-min=23.8km az=21.0.
ISC X 21 01 50 50.9–2.7 38.8N–.20 70.60E–.08 17 19 4-15
SOME X 21 01 50 44.8 38.92N 72.17E 15 **¶624926296**
NNC X 21 01 50 49.7–2.3 38.90N 70.75E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.4km s-min=11.9km az=7.0.
ISC X 26 19 19 01.7–1.0 37.40N–.07 71.9E–.10 130 27 5-15
NNC X 26 19 19 10.2–6.1 38.07N 72.31E 259–61 3.5,2.2b **¶624926499**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=61.1km s-min=37.8km az=10.0.
ISC X 24 15 12 32.2–.69 38.70N–.06 70.57E–.07 23 3.6b 38 4-86
IDC X 24 15 12 28.4–1.2 38.58N 70.87E 0 3.6,3.5b **¶621366402**
NNC X 24 15 12 32.8–3.8 38.54N 70.46E 103–85 3.9,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=13.2km az=131.0.
NNC Event type se. Error ellipse: s-maj=37.4km s-min=27.6km az=4.0.
ISC X 25 18 19 12.6–3.4 38.5N–.20 70.50E–.09 23 18 4-13
NNC X 25 18 19 12.1–4.5 38.72N 70.58E 0 4.0b,3.6 **¶624926462**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.1km s-min=22.1km az=5.0.
ISC X 28 15 26 24.2–.47 36.54N–.04 71.27E–.05 114 4.2b 119 3-84
IDC X 28 15 26 25.1–4.0 36.44N 71.55E 128–35 4.0,3.5b **¶621242988**
NNC X 28 15 26 26.2–5.2 37.03N 70.94E 0 4.2b,4.0
NEIC X 28 15 26 26.4–1.7 36.61N–.04 71.33E–.09 131–6 4.2b,4.0
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 28 00 04 34.8–2.3 39.0N–.10 71.08E–.06 10 20 1-15
KRNET X 28 00 04 32.3–.10 39.06N 71.01E 3.1b **¶622411726**
NNC X 28 00 04 34.3–4.4 38.88N 70.87E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.9km s-min=24.7km az=166.0.
NNC X 27 09 43 17.2–3.5 37.69N 69.35E 20–13 4.2b,3.9 ¶624926519
NNC Event type se. Error ellipse: s-maj=22.2km s-min=18.3km az=165.0.
NNC X 30 12 32 08.0–2.5 37.05N 70.29E 249–23 3.6,2.6b ¶624926651
NNC Event type se. Error ellipse: s-maj=25.8km s-min=16.0km az=176.0.
ISC X 29 13 12 39.0–.87 36.52N–.07 71.0E–.10 188 3.4b 37 5-84
IDC X 29 13 12 39.6–6.0 36.49N 71.15E 193–51 3.8,3.2b **¶621391442**
NNC X 29 13 12 41.7–7.5 37.05N 70.71E 0 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=51.9km s-min=22.1km az=43.0.
NNC Event type se. Error ellipse: s-maj=59.9km s-min=49.6km az=164.0.
ISC X 31 14 46 04.2–.96 37.36N–.08 71.9E–.10 130 20 5-16
NNC X 31 14 46 12.8–3.3 37.89N 71.90E 196–37 3.3,2.4b **¶624926688**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.7km s-min=20.6km az=28.0.
ISC X 31 05 28 48.1–.53 36.43N–.05 71.21E–.05 250 4.0b 80 3-84
NEIC X 31 05 28 47.8–1.1 36.48N–.06 71.16E–.04 239–7 4.2b **¶621244611**
IDC X 31 05 28 47.5–4.2 36.41N 71.32E 228–37 3.9,3.3b
NNC X 31 05 28 51.7–2.5 36.78N 70.86E 200–27 3.7,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.7km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.2km s-min=17.9km az=33.0.
NNC Event type se. Error ellipse: s-maj=23.7km s-min=17.6km az=51.0.
ISC XI 10 20 07 18.2–1.0 36.23N–.08 71.7E–.10 119 3.7b 24 7-81
NNC XI 10 20 07 19.9–6.0 36.84N 70.92E 0 3.7b,3.3 **¶621440077**
IDC XI 10 20 07 24.5–7.2 36.78N 71.25E 111–61 3.7,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=47.6km s-min=40.2km az=159.0.
IDC Error ellipse: s-maj=53.6km s-min=27.5km az=31.0.
NNC XI 07 02 38 03.6–4.0 37.17N 71.05E 236–50 3.5,2.4b ¶624926914
NNC Event type se. Error ellipse: s-maj=43.1km s-min=30.1km az=40.0.
ISC XI 09 00 18 51.6–3.6 38.5N–.20 70.2E–.10 35 11 5-13
NNC XI 09 00 18 51.6–3.0 38.45N 70.27E 60–193 3.8b,3.7 **¶624926983**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.0km s-min=16.3km az=159.0.
ISC XI 09 14 25 41.8–.37 36.58N–.04 71.16E–.05 200 4.2b 243 3-150
NNC XI 09 14 25 33.1–4.3 36.63N 70.81E 0 4.5b,4.4 **¶621385499**
IDC XI 09 14 25 40.1–2.5 36.49N 71.18E 186–23 4.2,3.6b
MOS XI 09 14 25 41.2–.76 36.61N 71.14E 209 4.2b,3.6b
NEIC XI 09 14 25 42.6–1.2 36.64N–.07 71.15E–.10 203–5 4.4b,3.6b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 07 20 19 23.4–3.1 36.9N–.20 71.0E–.10 100 15 6-16
NNC XI 07 20 19 29.1–3.9 37.23N 71.27E 168–50 3.9,3.0b **¶624926950**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.7km s-min=20.7km az=19.0.
ISC XI 10 06 14 30.6–.43 36.76N–.04 71.32E–.05 150 4.1b 161 3-127

IDC XI 10 06 14 30.4–3.4 36.52N 71.45E 162–31 4.2,3.7b ¶621440046
NNC XI 10 06 14 32.7–2.5 36.96N 71.14E 124–33 4.4,3.8b
NEIC XI 10 06 14 32.7–1.5 36.76N–.05 71.42E–.09 171–5 4.1b,3.8b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 03 04 29 43.5–.59 36.99N–.05 71.35E–.06 100 4.0b 66 3-82
IDC XI 03 04 29 39.0–10 36.70N 71.31E 53–84 3.7,3.4b ¶621412215
NEIC XI 03 04 29 45.5–1.4 37.07N–.04 71.2E–.10 114–7 4.3b,3.4b
NNC XI 03 04 29 49.8–5.2 37.51N 70.84E 80–89 4.1,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=72.7km s-min=27.4km az=28.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=5.8km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=43.5km s-min=31.8km az=174.0.
NNC XI 08 09 07 40.9–3.5 37.70N 71.51E 124–63 3.8,3.2b ¶624926968
NNC Event type se. Error ellipse: s-maj=30.9km s-min=21.2km az=28.0.
ISC XI 11 10 33 05.7–1.2 36.50N–.08 71.3E–.10 200 22 5-20
NNC XI 11 10 33 13.4–4.5 37.03N 71.08E 195–37 4.1,3.1b ¶624927074
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.1km s-min=22.9km az=16.0.
ISC XI 12 09 35 05.1–.61 36.89N–.05 72.01E–.07 142 3.7b 59 4-84
IDC XI 12 09 35 05.2–5.0 37.02N 71.85E 122–44 4.0s,3.9 ¶621401373
NNC XI 12 09 35 05.7–6.2 37.49N 71.32E 0 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=19.1km az=22.0.
NNC Event type se. Error ellipse: s-maj=62.6km s-min=37.1km az=148.0.
ISC XI 14 17 47 19.8–.61 36.75N–.06 71.53E–.07 200 3.3b 56 5-84
IDC XI 14 17 47 16.9–4.8 36.44N 71.35E 170–44 3.9,3.2b ¶621468721
NNC XI 14 17 47 22.2–2.1 37.00N 71.05E 113–45 4.3,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=16.7km az=25.0.
NNC Event type se. Error ellipse: s-maj=20.2km s-min=14.4km az=50.0.
ISC XI 12 17 54 12.7–1.4 36.8N–.10 71.2E–.10 200 14 6-84
IDC XI 12 17 54 10.3–7.5 36.51N 71.42E 176–66 3.6,3.4s ¶621460219
NNC XI 12 17 54 23.2–9.7 37.48N 70.98E 234–132 3.4,2.4b
ISC Event type se.
IDC Error ellipse: s-maj=63.1km s-min=39.7km az=44.0.
NNC Event type se. Error ellipse: s-maj=109.7km s-min=63.8km az=19.0.
ISC XI 17 00 52 22.5–.41 36.55N–.04 71.10E–.05 200 4.2b 119 3-86
IDC XI 17 00 52 22.9–2.0 36.56N 71.14E 201–19 4.3,3.7b ¶621413486
NEIC XI 17 00 52 23.6–1.9 36.60N–.06 71.07E–.10 202–5 4.2b,3.7b
NNC XI 17 00 52 27.0–3.0 36.96N 70.88E 209–24 4.5,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=10.6km az=90.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=8.4km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=27.8km s-min=18.7km az=12.0.
ISC XI 15 21 01 52.0–.69 36.55N–.06 71.04E–.08 188 3.6b 46 6-84
IDC XI 15 21 01 49.4–4.7 36.24N 70.93E 162–40 3.9,3.4b ¶621475649
NNC XI 15 21 01 57.6–3.0 37.01N 70.85E 206–22 3.5,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=22.1km az=20.0.
NNC Event type se. Error ellipse: s-maj=25.9km s-min=14.7km az=17.0.
NNC XI 19 05 02 46.2–6.0 36.88N 71.01E 241–86 3.5,2.4b ¶624927336
NNC Event type se. Error ellipse: s-maj=62.2km s-min=56.4km az=42.0.
ISC XI 18 02 03 29.5–1.2 37.45N–.10 69.83E–.10 30 3.5b 23 6-83
IDC XI 18 02 03 25.8–1.5 37.44N 70.13E 0 4.2s,3.8 ¶621532454
NNC XI 18 02 03 28.6–2.0 37.54N 69.69E 17–10 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=16.1km az=128.0.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=14.3km az=30.0.
ISC XI 20 02 59 15.6–1.4 36.9N–.10 71.0E–.10 200 14 6-84
NNC XI 20 02 59 18.1–5.4 37.02N 71.10E 193–59 4.1,2.9b ¶621590332
IDC XI 20 02 59 22.5–19 36.71N 71.61E 255–171 3.7,3.7s
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=51.9km s-min=37.4km az=45.0.
IDC Error ellipse: s-maj=151.0km s-min=65.6km az=53.0.
ISC XI 21 00 33 41.1–1.3 37.15N–.09 71.9E–.10 142 13 5-17
NNC XI 21 00 33 50.8–4.0 37.80N 71.78E 219–53 3.1,2.2b ¶624927397
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=46.0km s-min=24.2km az=18.0.
ISC XII 01 03 46 10.2–.28 38.65N–.03 70.25E–.02 10 4.6b,3.5s 425 1-137
NNC XII 01 03 46 07.8–2.5 38.63N 69.77E 0 5.0b,5.0 ¶621564951
IDC XII 01 03 46 08.5–.56 38.65N 70.22E 0 4.4b,4.4
MOS XII 01 03 46 09.0–1.1 38.68N 70.12E 11 4.8b,4.4
BJI XII 01 03 46 10.3 38.74N 70.50E 10 5.1b,4.6b
NEIC XII 01 03 46 11.2–1.8 38.71N–.05 70.27E–.06 10–1 4.6b,4.6b
GFZ XII 01 03 46 12.8–.32 39N–3.0 70E–2.0 13–2 5.0b,4.8L
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC XI 30 00 36 19.4–2.3 36.82N 71.09E 154–118 4.1,3.3b ¶624927712
NNC Event type se. Error ellipse: s-maj=32.8km s-min=7.8km az=2.0.
NNC XI 22 23 51 13.3–2.6 37.75N 71.47E 164–44 3.7,2.7b ¶624927463
NNC Event type se. Error ellipse: s-maj=27.2km s-min=12.8km az=22.0.
NNC XII 03 09 00 23.4–11 37.30N 69.81E 0 3.7b,3.5 ¶624927845
NNC Event type se. Error ellipse: s-maj=117.3km s-min=76.6km az=156.0.
ISC XII 02 00 01 25.5–.74 38.73N–.05 70.24E–.06 10 3.6b 51 1-79
IDC XII 02 00 01 21.2–2.4 38.26N 70.30E 0 3.8b,3.7 ¶621629859
NNC XII 02 00 01 24.8–3.6 38.52N 69.64E 0–15 4.3b,4.1
NEIC XII 02 00 01 25.8–2.1 38.75N–.03 70.19E–.08 10–1 4.1b,4.1
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 02 00 06 05.4–.48 38.68N–.04 70.27E–.04 10 3.9b 85 1-86
IDC XII 02 00 06 03.0–.87 38.46N 70.25E 0 4.0,3.9b ¶621606961
NEIC XII 02 00 06 06.6–1.6 38.73N–.03 70.22E–.08 10–1 4.3b,3.9b
NNC XII 02 00 06 07.6–4.0 38.62N 70.23E 4–16 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=12.8km az=177.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.2km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=31.0km s-min=18.8km az=0.0.
ISC XII 01 16 21 29.0–.57 36.51N–.05 71.12E–.07 200 3.7b 74 4-84
NNC XII 01 16 21 24.3–3.3 36.73N 70.42E 0 4.2b,4.0 ¶621629830
IDC XII 01 16 21 26.8–3.1 36.46N 71.05E 177–27 4.0,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.8km s-min=24.4km az=154.0.
IDC Error ellipse: s-maj=21.3km s-min=15.3km az=41.0.
ISC XII 02 16 39 50.7–.54 36.41N–.05 71.22E–.05 150 3.9b 103 3-84
IDC XII 02 16 39 49.9–4.8 36.37N 71.27E 133–42 4.1,3.5b ¶621611282
NEIC XII 02 16 39 51.3–1.4 36.49N–.05 71.2E–.10 142–6 4.1b,3.5b
NNC XII 02 16 39 55.3–5.2 36.80N 70.98E 137–58 4.5,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=20.1km az=42.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.5km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=42.1km s-min=23.1km az=22.0.
ISC XII 03 13 10 50.3–.41 36.50N–.04 71.33E–.03 223–4 4.2b 403 3-150
MOS XII 03 13 10 49.7–.86 36.56N 71.32E 225 4.4b ¶621611997
NEIC XII 03 13 10 50.5–1.6 36.58N–.05 71.29E–.09 223–5 4.3b
IDC XII 03 13 10 51.1–.66 36.46N 71.32E 230–6 4.4,3.8b
GFZ XII 03 13 10 51.6–.28 37N–3.0 71E–3.0 219–3 4.8b,4.4b
NNC XII 03 13 10 54.2–2.5 36.87N 71.42E 218–21 4.9,3.5b
ISC Event type se.
MOS Error ellipse: s-maj=6.6km s-min=4.2km az=83.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.9km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.2km s-min=8.5km az=12.0.
GFZ Error ellipse: s-maj=7.6km s-min=6.2km az=121.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=23.1km s-min=14.4km az=13.0.
NNC XII 05 04 36 24.9–4.4 37.42N 68.56E 0 3.6b,3.3 ¶624927919
NNC Event type se. Error ellipse: s-maj=36.7km s-min=26.5km az=172.0.
ISC XII 05 12 44 13.4–.66 38.09N–.06 71.13E–.06 10 3.8b 45 4-80
IDC XII 05 12 44 10.4–2.5 38.06N 71.54E 0 3.9,3.8b ¶621612720
NNC XII 05 12 44 11.8–2.5 38.06N 71.37E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=18.0km az=156.0.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=16.1km az=179.0.
NNC XII 05 17 31 10.1–11 37.17N 70.48E 0 3.9b,3.5 ¶624927951
NNC Event type se. Error ellipse: s-maj=93.2km s-min=75.5km az=153.0.
ISC XII 05 17 42 14.1–.41 36.62N–.04 71.59E–.05 200 3.9b 142 3-150
NNC XII 05 17 42 09.4–2.2 36.91N 71.22E 0 4.8b,4.7 ¶621613026
NEIC XII 05 17 42 14.4–2.2 36.69N–.06 71.39E–.09 178–5 4.3b,4.7
IDC XII 05 17 42 14.3–.87 36.56N 71.46E 183–7 4.2,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.6km s-min=17.6km az=32.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.0km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.4km s-min=9.9km az=25.0.
NNC XII 07 22 49 08.0–4.1 36.60N 71.07E 113–84 3.7,3.0b ¶624928019
NNC Event type se. Error ellipse: s-maj=47.1km s-min=31.5km az=129.0.
ISC XII 06 03 28 16.9–1.3 38.64N–.10 71.18E–.09 10 3.8b 19 4-85
NNC XII 06 03 28 12.6–5.3 38.32N 70.68E 0 4.0b,3.6 ¶621632568
IDC XII 06 03 28 26.2–5.9 39.03N 71.48E 91–51 3.8,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=45.6km s-min=22.1km az=171.0.
IDC Error ellipse: s-maj=49.2km s-min=25.9km az=22.0.
ISC XII 06 10 49 11.4–.89 36.73N–.07 71.3E–.10 200 4.0b 36 3-81
IDC XII 06 10 49 03.9–24 36.02N 71.21E 176–130 3.9,3.4b ¶621632596
NEIC XII 06 10 49 12.3–1.0 36.65N–.07 71.4E–.10 220–6 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 07 07 24 40.1–.51 36.63N–.05 71.59E–.06 200 3.6b 96 3-84
IDC XII 07 07 24 36.5–4.0 36.34N 71.34E 153–35 4.0,3.4b ¶621632648
NEIC XII 07 07 24 40.6–2.0 36.68N–.07 71.4E–.10 182–6 4.0b,3.4b
NNC XII 07 07 24 45.3–3.7 37.10N 71.25E 186–50 4.2,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=17.2km az=17.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.5km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=37.1km s-min=29.0km az=10.0.
ISC XII 07 20 05 28.7–2.2 39.0N–.10 70.44E–.08 17 22 1-13
SOME XII 07 20 05 25.6 38.97N 70.23E 5 ¶622412959
KRNET XII 07 20 05 28.5–.10 39.03N 70.52E 3.3b
NNC XII 07 20 05 31.5–10 39.26N 69.94E 0 3.4b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=92.6km s-min=40.1km az=177.0.
ISC XII 08 01 28 43.4–1.9 36.7N–.20 71.1E–.20 150 13 6-66
IDC XII 08 01 28 42.4–6.7 36.39N 71.39E 170–60 4.0,3.2b ¶621634651
ISC Event type se.
IDC Error ellipse: s-maj=75.3km s-min=39.6km az=144.0.
NNC XII 09 02 53 59.8–9.3 37.23N 69.22E 0 3.5b,3.2 ¶624928074
NNC Event type se. Error ellipse: s-maj=79.4km s-min=59.2km az=161.0.
NNC XII 08 04 06 37.6–10 38.08N 71.27E 0 4.0b,3.6 ¶624928024
NNC Event type se. Error ellipse: s-maj=87.3km s-min=70.0km az=135.0.
ISC XII 10 03 24 13.0–1.2 38.36N–.08 71.07E–.08 10 4.0b 37 1-69
IDC XII 10 03 24 02.4–5.5 37.41N 71.75E 0 4.0b,4.0 ¶621644099
NNC XII 10 03 24 08.8–6.3 38.16N 70.79E 0 4.0b,3.7
NEIC XII 10 03 24 13.2–1.5 38.18N–.06 71.5E–.20 31–7 4.1b,3.7
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 11 19 38 02.8–3.0 37.6N–.20 71.9E–.20 200 9 5-27
IDC XII 11 19 38 20.3–25 38.28N 72.27E 359–152 3.5,2.7b ¶621644207
ISC Event type se.
IDC Error ellipse: s-maj=253.8km s-min=67.2km az=31.0.
ISC XII 10 11 27 56.2–1.2 36.79N–.09 71.1E–.10 200 15 6-82
NNC XII 10 11 27 56.2–7.1 37.01N 70.67E 217–111 3.8,2.6b ¶621644123
IDC XII 10 11 28 01.7–16 36.75N 71.12E 239–153 3.8,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=76.3km s-min=47.7km az=37.0.
IDC Error ellipse: s-maj=103.1km s-min=33.7km az=32.0.
ISC XII 11 04 47 12.2–.62 37.25N–.06 71.99E–.08 130 3.6b 39 6-80
IDC XII 11 04 47 12.3–3.7 37.05N 72.09E 142–33 4.0,3.4b ¶621644168
NNC XII 11 04 47 16.2–5.4 37.77N 71.62E 0 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=23.9km az=129.0.
NNC Event type se. Error ellipse: s-maj=41.8km s-min=31.4km az=168.0.
ISC XII 12 00 59 24.4–1.4 37.3N–.10 71.5E–.10 109 3.7b 28 6-80
IDC XII 12 00 59 22.7–5.1 37.10N 71.72E 109–36 3.7,3.3b ¶621650460
NNC XII 12 00 59 29.0–6.8 37.56N 71.34E 110–108 3.6,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=24.4km az=150.0.
NNC Event type se. Error ellipse: s-maj=65.6km s-min=41.0km az=158.0.
ISC XII 12 06 46 26.3–2.3 37.5N–.20 72.0E–.10 130 15 5-41
IDC XII 12 06 46 23.0–7.8 37.30N 72.13E 104–57 3.7,3.5b ¶621650480
NNC XII 12 06 46 25.2–4.8 37.45N 71.81E 94–82 3.5,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=65.8km s-min=49.1km az=161.0.
NNC Event type se. Error ellipse: s-maj=44.5km s-min=30.6km az=153.0.
ISC XII 14 22 17 17.0–.28 37.47N–.03 69.92E–.03 30 4.5b,4.0s 448 2-150
NNC XII 14 22 16 41.6–3.2 35.18N 68.30E 0 4.6,4.6b ¶621630097
BGR XII 14 22 17 11.8 36.47N 70.14E 33 4.3b,3.9s
IDC XII 14 22 17 12.3–.57 37.38N 69.89E 0 4.2,4.1L
BJI XII 14 22 17 13.0 37.50N 69.80E 10 4.9b,4.5s
MOS XII 14 22 17 13.0–.90 37.51N 69.86E 12 4.7b,4.5s
NEIC XII 14 22 17 14.8–2.2 37.53N–.05 69.94E–.04 10–1 4.8b,4.5s
GCMT XII 14 22 17 16.2–.40 37.42N–.04 69.76E–.02 23–1 4.8W,4.5s
GFZ XII 14 22 17 21.9–.48 37N–4.0 70E–5.0 72–8 4.9b,4.8L
ISC Event type ke.
NNC Event type se.
BGR Event type ke.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112142217B. Moment Tensor Solution. s14,c16; s67,c93; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.70±.15 $M_{\theta\theta}$0.16±.09; $M_{\phi\phi}$-1.87±.10; $M_{r\theta}$0.32±.14; $M_{\theta\phi}$-0.38±.05; $M_{\phi r}$-0.12±.10; Best double couple: NP1:ϕ_s22.00000°,δ45.00000° ,λ107.00000°. NP2:ϕ_s178.00000°,δ47.00000°,λ73.00000°. Principal axes: T 1.7730,Plg78.0000°,Azm15.0000°; N 0.1570,Plg12.0000°,Azm190.0000° ; P -1.9390,Plg1.0000°,Azm280.0000° $M_0$1.85600×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**XII**	**17 23 39 43.4–.64**	**37.25N–.05**	**71.93E–.06**	**174**	**3.8b**	**80**	**2-80**
NEIC	XII	17 23 39 44.2–2.0	37.27N–.04	71.97E–.10	174–9	4.1b		**¶621633310**
IDC	XII	17 23 39 45.0–8.3	37.34N	71.90E	158–53	3.9,3.3b		
NNC	XII	17 23 39 50.9–3.8	37.90N	71.83E	190–37	3.9,2.9b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=1.5km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.7km s-min=37.1km az=177.0.
NNC Event type se. Error ellipse: s-maj=35.0km s-min=16.3km az=11.0.

ISC	**XII**	**14 19 57 57.1–1.0**	**37.00N–.07**	**71.1E–.10**	**88**		**30**	**6-81**
NNC	XII	14 19 58 00.7–6.9	37.19N	70.67E	81–144	3.9,3.6b		**¶621652951**
IDC	XII	14 19 58 06.6–8.4	37.50N	71.49E	130–53	3.8,3.2b		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=51.4km s-min=45.8km az=9.0.
IDC Error ellipse: s-maj=77.3km s-min=49.6km az=168.0.

ISC	**XII**	**14 22 57 17.9–3.9**	**37.2N–.40**	**70.1E–.20**	**10**		**7**	**6-81**
IDC	XII	14 22 57 13.5–4.5	36.71N	70.65E	0	3.7,3.6b		**¶621652971**

ISC Event type se.
IDC Error ellipse: s-maj=79.3km s-min=40.7km az=154.0.

ISC	**XII**	**21 04 07 39.4–1.7**	**36.7N–.20**	**71.1E–.20**	**188**		**13**	**6-82**
IDC	XII	21 04 07 42.0–9.0	36.63N	71.44E	210–76	3.6,3.0b		**¶621685663**
NNC	XII	21 04 07 44.7–2.6	37.07N	71.10E	190–29	3.5,2.6b		

ISC Event type se.
IDC Error ellipse: s-maj=65.7km s-min=36.7km az=44.0.
NNC Event type se. Error ellipse: s-maj=25.3km s-min=18.7km az=46.0.

NNC	**XII**	**20 20 27 40.2–5.2**	**38.95N**	**70.30E**	**0**	**3.6b,3.1**		
								¶624929987

NNC Event type se. Error ellipse: s-maj=37.9km s-min=27.4km az=29.0.

ISC	**XII**	**20 09 01 41.1–.68**	**39.00N–.05**	**71.26E–.05**	**10**	**3.8b**	**69**	**1-86**
IDC	XII	20 09 01 35.0–1.2	38.48N	71.56E	0	3.8b,3.8		**¶621634363**
NNC	XII	20 09 01 41.3–3.2	38.93N	71.57E	0	4.5b,4.1		
NEIC	XII	20 09 01 41.1–2.4	38.99N–.04	71.27E–.08	10–1	3.7b,4.1		

ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NNC	**XII**	**23 12 23 14.5–7.9**	**37.02N**	**69.04E**	**0**	**3.6b,3.4**		
								¶624930070

NNC Event type se. Error ellipse: s-maj=69.2km s-min=52.8km az=155.0.

ISC	**XII**	**24 07 00 00.9–.48**	**36.61N–.04**	**71.11E–.04**	**224–5**	**4.3b**	**304**	**3-134**
NNC	XII	24 06 59 55.1–4.7	36.80N	70.80E	0	4.7b,4.6		**¶621652225**
MOS	XII	24 06 59 59.6–.84	36.61N	71.00E	228	4.3b,4.6		
NEIC	XII	24 07 00 00.9–1.3	36.65N–.06	71.0E–.10	224–7	4.4b,4.6		
GFZ	XII	24 07 00 01.3–.29	37N–3.0	71E–4.0	222–4	4.6b,4.4b		
IDC	XII	24 07 00 01.7–2.0	36.67N	71.07E	235–19	4.3,3.7b		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.9km s-min=35.6km az=38.0.
MOS Error ellipse: s-maj=8.4km s-min=4.3km az=77.5.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.5km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
IDC Error ellipse: s-maj=13.4km s-min=10.1km az=19.0.

ISC	**XII**	**27 17 27 40.9–1.1**	**36.54N–.07**	**72.1E–.10**	**124**		**35**	**5-45**
IDC	XII	27 17 27 44.8–8.7	36.91N	71.27E	117–64	3.6,3.4b		**¶621717329**

ISC Event type se.
IDC Error ellipse: s-maj=77.8km s-min=49.7km az=165.0.

ISC	**XII**	**28 04 28 10.9–3.6**	**37.8N–.20**	**71.6E–.10**	**35**		**12**	**5-14**
NNC	XII	28 04 28 11.3–5.3	38.02N	71.83E	0	3.9b,3.6		**¶624930246**

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.1km s-min=31.9km az=172.0.

ISC	**XII**	**27 18 52 45.1–.45**	**36.58N–.05**	**71.21E–.05**	**188**	**4.2b**	**162**	**3-84**
NNC	XII	27 18 52 45.8–3.0	36.68N	70.80E	129–38	5.0,3.8b		**¶621654271**
IDC	XII	27 18 52 45.0–2.8	36.47N	71.12E	186–24	4.1,3.6b		
NEIC	XII	27 18 52 46.9–1.3	36.61N–.06	71.1E–.10	201–5	4.4b,3.6b		

ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NNC	**XII**	**28 06 45 06.8–5.0**	**37.10N**	**70.93E**	**0**	**3.8b,3.6**		
								¶624930255

NNC Event type se. Error ellipse: s-maj=39.8km s-min=33.1km az=164.0.

NNC	**XII**	**29 14 43 03.0–9.0**	**37.27N**	**69.31E**	**12–208**	**3.7b,3.4**		
								¶624930335

NNC Event type se. Error ellipse: s-maj=230.4km s-min=31.9km az=6.0.

ISC	**XII**	**31 07 56 47.7–.36**	**36.58N–.03**	**71.24E–.03**	**221–3**	**4.6b**	**635**	**3-150**
MOS	XII	31 07 56 46.9–.87	36.59N	71.26E	226	4.7b		**¶621657662**
IDC	XII	31 07 56 48.2–2.0	36.51N	71.21E	227–18	4.7,4.1b		
NEIC	XII	31 07 56 48.3–1.3	36.63N–.06	71.18E–.10	223–6	4.6b,4.1b		
GFZ	XII	31 07 56 48.2–.29	37N–3.0	71E–4.0	219–3	5.5,5.4		
NNC	XII	31 07 56 50.7–1.9	36.91N	71.22E	227–17	5.6,4.3b		

ISC Event type se.
MOS Error ellipse: s-maj=5.5km s-min=3.7km az=90.1.
IDC Error ellipse: s-maj=10.3km s-min=6.9km az=180.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.3km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=18.0km s-min=10.2km az=28.0.

ISC	**XII**	**31 09 22 01.8–.83**	**36.58N–.07**	**71.61E–.10**	**114**	**3.3b**	**52**	**5-84**
NNC	XII	31 09 22 04.8–3.6	36.89N	71.03E	68–97	4.5,3.8b		**¶621726054**
IDC	XII	31 09 22 16.4–5.1	37.67N	71.34E	176–40	3.8,3.1b		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.2km s-min=28.6km az=88.0.
IDC Error ellipse: s-maj=44.4km s-min=23.4km az=33.0.

NNC	**XII**	**31 00 39 59.5–3.5**	**38.88N**	**70.08E**	**0**	**3.5b,3.0**		
								¶624930383

NNC Event type se. Error ellipse: s-maj=31.3km s-min=21.0km az=165.0.

(718) Hindu Kush region.

ISC	**VII**	**01 12 36 56.9–2.2**	**36.5N–.20**	**69.1E–.10**	**100**		**12**	**7-44**
NNC	VII	01 12 36 58.9–8.0	36.93N	69.22E	0	4.1b,3.8		**¶620927670**
IDC	VII	01 12 37 19.9–26	37.00N	69.83E	332–201	4.2,3.4b		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=65.1km s-min=51.3km az=167.0.
IDC Error ellipse: s-maj=232.3km s-min=62.1km az=3.0.

ISC	**VII**	**03 17 32 17.2–.87**	**36.55N–.07**	**70.5E–.10**	**204**	**3.4b**	**40**	**5-85**
IDC	VII	03 17 32 19.5–4.8	36.58N	70.80E	218–40	3.9,3.1b		**¶620927824**
NNC	VII	03 17 32 19.4–7.0	36.76N	70.12E	166–94	3.8,3.0b		

ISC Event type se.
IDC Error ellipse: s-maj=44.7km s-min=19.4km az=57.0.
NNC Event type se. Error ellipse: s-maj=61.6km s-min=41.9km az=35.0.

ISC	**VII**	**03 20 20 57.3–2.1**	**36.4N–.10**	**70.8E–.10**	**100**		**17**	**7-44**
IDC	VII	03 20 20 35.9–7.0	35.11N	71.09E	0	3.6b,3.6		**¶620927834**
NNC	VII	03 20 21 05.1–6.1	36.76N	70.90E	182–63	3.5,2.6b		

ISC Event type se.
IDC Error ellipse: s-maj=112.4km s-min=32.2km az=155.0.
NNC Event type se. Error ellipse: s-maj=53.8km s-min=41.8km az=38.0.

ISC	**VII**	**08 17 54 08.7–1.3**	**36.6N–.10**	**70.4E–.10**	**204**	**3.4b**	**17**	**6-85**
IDC	VII	08 17 54 07.3–7.1	36.43N	70.51E	196–62	3.7,3.1b		**¶620928192**

ISC Event type se.
IDC Error ellipse: s-maj=56.7km s-min=19.3km az=34.0.

ISC	**VII**	**11 23 18 46.2–1.3**	**36.23N–.08**	**70.5E–.10**	**100**		**23**	**6-17**
NNC	VII	11 23 18 55.4–8.3	36.79N	70.33E	91–161	4.0,3.5b		**¶621251606**

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=61.5km s-min=52.7km az=15.0.

ISC	**VII**	**13 21 10 33.7–.36**	**36.49N–.03**	**70.86E–.03**	**187–3**	**4.5b**	**671**	**2-150**
MOS	VII	13 21 10 33.4–.92	36.52N	70.94E	198	4.7b		**¶621251713**
NNC	VII	13 21 10 33.0–3.1	36.66N	70.50E	134–39	4.8,4.3b		
IDC	VII	13 21 10 33.4–2.1	36.40N	70.87E	190–20	4.6,4.1b		
NEIC	VII	13 21 10 34.4–1.2	36.55N–.06	70.89E–.08	189–4	4.5b,4.1b		
GFZ	VII	13 21 10 35.1–.36	37N–4.0	71E–3.0	181–4	4.5b,4.4		

ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.

ISC	**VII**	**14 05 47 24.4–.55**	**36.48N–.05**	**70.99E–.06**	**188**	**3.8b**	**103**	**3-84**
IDC	VII	14 05 47 21.6–4.4	36.31N	70.89E	165–37	3.9,3.3b		**¶620828946**
NNC	VII	14 05 47 23.9–3.1	36.92N	70.35E	0	4.2b,3.8		
NEIC	VII	14 05 47 26.5–1.5	36.60N–.04	70.9E–.10	201–6	4.0b,3.8		

ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**14 08 17 46.5–.43**	**36.43N–.04**	**70.91E–.05**	**188**	**4.1b**	**148**	**2-101**
IDC	VII	14 08 17 45.1–4.1	36.32N	70.91E	175–35	4.0,3.5b		**¶620828942**
MOS	VII	14 08 17 46.3–.81	36.50N	70.89E	197	4.4b,3.5b		
GFZ	VII	14 08 17 47.0–.38	37N–4.0	71E–5.0	200–7	4.1,3.5b		
NEIC	VII	14 08 17 47.5–1.9	36.55N–.05	70.85E–.09	195–5	4.3b,3.5b		

ISC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC	**VII**	**14 18 33 07.8–.79**	**36.61N–.07**	**70.94E–.10**	**188**	**3.5b**	**38**	**6-84**
IDC	VII	14 18 33 06.7–5.8	36.41N	70.99E	166–50	3.8,3.3b		**¶620928611**
NNC	VII	14 18 33 06.2–3.0	37.00N	70.18E	0	3.9b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=48.6km s-min=16.0km az=44.0.
NNC Event type se. Error ellipse: s-maj=25.7km s-min=17.7km az=164.0.

ISC	**VII**	**16 11 39 34.7–.51**	**36.02N–.06**	**69.92E–.07**	**124**	**4.0b**	**55**	**2-85**
IDC	VII	16 11 39 20.6–1.5	35.50N	69.58E	0	3.8b,3.7		**¶620928714**
NEIC	VII	16 11 39 34.8–1.1	36.05N–.05	69.90E–.09	122–7	4.2b,3.7		
NNC	VII	16 11 39 39.0–7.9	36.33N	69.79E	83–128	4.0,3.6b		

ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=26.8km az=76.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.7km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=69.5km s-min=48.3km az=160.0.

NNC	**VII**	**17 20 30 30.1–6.9**	**36.88N**	**70.53E**	**0**	**4.0b,3.5**		
								¶621251890

NNC Event type se. Error ellipse: s-maj=55.7km s-min=46.6km az=161.0.

ISC	**VII**	**28 01 17 32.0–1.9**	**36.8N–.10**	**70.9E–.10**	**150**	**3.6b**	**20**	**6-44**
NNC	VII	28 01 17 32.4–4.1	36.82N	70.80E	131–56	3.9,3.2b		**¶620979589**
IDC	VII	28 01 17 34.0–7.2	36.82N	71.04E	170–56	3.8,3.2b		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.3km s-min=30.5km az=173.0.
IDC Error ellipse: s-maj=59.9km s-min=41.1km az=8.0.

ISC	**VII**	**26 19 07 13.7–1.0**	**36.12N–.08**	**69.26E–.10**	**100**	**3.7b**	**26**	**7-85**
IDC	VII	26 19 07 13.7–7.6	35.94N	69.51E	98–64	3.8,3.7L		**¶620973872**
NNC	VII	26 19 07 22.1–5.2	36.63N	69.19E	126–75	3.6,3.0b		

ISC Event type se.
IDC Error ellipse: s-maj=53.7km s-min=26.7km az=30.0.
NNC Event type se. Error ellipse: s-maj=40.5km s-min=22.4km az=18.0.

ISC	**VII**	**23 20 12 52.4–.39**	**36.46N–.03**	**70.90E–.04**	**206–4**	**4.2b**	**223**	**2-126**
IDC	VII	23 20 12 53.6–.61	36.52N	70.94E	212–5	4.2,3.6b		**¶620845492**
NEIC	VII	23 20 12 53.3–1.6	36.58N–.07	70.9E–.10	207–5	4.3b,3.6b		
NNC	VII	23 20 12 54.2–5.9	36.75N	70.48E	155–81	4.2,3.6b		
BJI	VII	23 20 12 54.2	36.82N	71.05E	197	4.7b,4.3b		

ISC Event type se.
IDC Error ellipse: s-maj=10.2km s-min=9.6km az=43.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.3km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=49.9km s-min=35.6km az=34.0.

NNC	**VIII**	**11 06 58 21.7–3.5**	**36.84N**	**71.00E**	**112–59**	**3.9,3.1b**		
								¶625786082

NNC Event type se. Error ellipse: s-maj=29.3km s-min=27.9km az=83.0.

ISC	**VII**	**29 00 51 21.9–.76**	**36.51N–.06**	**70.71E–.09**	**204**	**3.6b**	**61**	**2-84**
IDC	VII	29 00 51 20.2–6.0	36.37N	70.89E	183–50	3.9,3.8s		**¶620984033**
NEIC	VII	29 00 51 21.7–1.4	36.44N–.04	70.8E–.10	192–6	4.0b,3.8s		
NNC	VII	29 00 51 22.8–8.6	36.71N	70.30E	106–170	4.4,4.3b		

ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=19.8km az=34.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=6.0km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=68.8km s-min=57.3km az=10.0.

ISC	**VIII**	**03 05 35 25.9–2.4**	**37.0N–.20**	**70.6E–.20**	**200**		**11**	**6-44**
IDC	VIII	03 05 35 21.1–9.8	36.64N	70.52E	167–69	3.8,3.3b		**¶620995850**

ISC Event type se.
IDC Error ellipse: s-maj=95.4km s-min=54.5km az=165.0.

ISC	**VIII**	**04 10 32 26.7–.22**	**36.25N–.03**	**69.90E–.03**	**146–1**	**4.9b**	**1071**	**2-149**
MOS	VIII	04 10 32 25.6–1.0	36.32N	69.95E	145	5.0b		**¶620966515**
IDC	VIII	04 10 32 25.9–2.0	36.12N	69.80E	144–16	4.9,4.4b		
BJI	VIII	04 10 32 26.3	36.37N	70.00E	141	5.0b,4.9b		
NNC	VIII	04 10 32 26.6–7.4	36.52N	69.53E	133–66	5.9,5.0b		
NEIC	VIII	04 10 32 27.1–1.2	36.32N–.05	69.86E–.08	146–5	4.9,4.9b		
GFZ	VIII	04 10 32 27.6–.32	36N–3.0	70E–3.0	132–4	5.2b,5.0		
GFZ	VIII	04 10 32 27.6	36.30N	69.96E	145	4.9W,5.0		
GCMT	VIII	04 10 32 29.1–.20	36.28N–.02	69.79E–.02	148–2	5.0W,5.0		
BGR	VIII	04 10 32 31.3	35.95N	69.25E	151–2	4.6b,5.0		

ISC Event type ke.
MOS Error ellipse: s-maj=4.7km s-min=3.3km az=84.5.
IDC Error ellipse: s-maj=12.2km s-min=8.1km az=9.0.
NNC Event type se. Error ellipse: s-maj=56.8km s-min=33.0km az=12.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.0km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.39 $M_{\theta\theta}$-1.88 $M_{\phi\phi}$-0.50 $M_{r\theta}$-1.03 $M_{\theta\phi}$1.36 $M_{\phi r}$-1.02 NP1: ϕ_s145.37833°,δ46.89408°,λ127.80522°. NP2:ϕ_s276.75201°,δ54.77107°,λ56.77888°. Principal axes: T 3.1204,Plg63.0108°,Azm128.1417°; N -0.3719,Plg26.5854°,Azm297.4476° ; P -2.7485,Plg4.3190°,Azm29.6136° $M_0$2.95203×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202108041032A. Moment Tensor Solution. s42,c48; s130,c198; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.29±.09 $M_{\theta\theta}$-2.87±.13; $M_{\phi\phi}$-0.41±.12; $M_{r\theta}$-1.47±.09; $M_{\theta\phi}$1.78±.12; $M_{\phi r}$-1.38±.08; Best double couple: NP1:ϕ_s141.00000°,δ45.00000° ,λ128.00000°. NP2:ϕ_s273.00000°,δ56.00000°,λ58.00000°. Principal axes: T 4.3030,Plg63.0000°,Azm127.0000°; N -0.4240,Plg26.0000°,Azm292.0000° ; P -3.8730,Plg6.0000°,Azm25.0000° $M_0$4.08800×10^{16}
BGR Event type ke.

ISC VIII 05 01 56 17.4–.38 36.76N–.04 70.98E–.04 88 4.1b 155 3-84
NEIC VIII 05 01 56 16.9–1.1 36.80N–.06 70.86E–.10 69–6 4.4b ¶620969524
IDC VIII 05 01 56 16.2–1.1 36.68N 71.09E 79–8 4.0,3.6b
MOS VIII 05 01 56 16.2–.77 36.80N 70.98E 88 4.2b,3.6b
NNC VIII 05 01 56 23.1–3.9 37.21N 71.08E 122–57 4.5,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.1km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.4km s-min=14.4km az=162.0.
MOS Error ellipse: s-maj=9.6km s-min=4.8km az=76.8.
NNC Event type se. Error ellipse: s-maj=33.0km s-min=22.9km az=15.0.
ISC VIII 07 22 34 13.0–1.5 36.55N–.09 70.8E–.10 100 13 5-15
NNC VIII 07 22 34 16.1–10 36.82N 70.28E 98–169 3.2,2.7b ¶625785960
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=98.9km s-min=49.8km az=156.0.
ISC VIII 07 22 39 35.7–1.5 36.57N–.09 70.5E–.20 200 16 6-16
NNC VIII 07 22 39 35.8–6.6 36.70N 70.04E 105–103 2.8,2.7b ¶625785961
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=57.0km s-min=45.4km az=156.0.
ISC VIII 11 00 08 24.3–.74 36.10N–.06 70.83E–.08 102 3.6b 40 5-45
IDC VIII 11 00 08 29.4–6.9 36.39N 70.75E 113–50 3.7,3.4b ¶621009308
NNC VIII 11 00 08 31.7–5.3 36.61N 70.51E 116–86 3.9,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=72.1km s-min=35.6km az=152.0.
NNC Event type se. Error ellipse: s-maj=43.0km s-min=33.6km az=26.0.
ISC VIII 07 17 35 13.9–1.5 36.69N–.10 70.6E–.20 204 12 6-17
NNC VIII 07 17 35 13.9–4.6 36.69N 70.48E 164–90 3.5,2.6b ¶625785958
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=47.7km s-min=34.2km az=11.0.
ISC VIII 10 15 45 36.8–.57 36.75N–.05 70.91E–.06 250 3.9b 112 3-84
NEIC VIII 10 15 45 38.3–1.2 36.75N–.07 70.84E–.07 266–4 4.1b ¶620979656
IDC VIII 10 15 45 40.7–2.2 36.79N 71.13E 299–19 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.6km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=15.0km az=31.0.
ISC VIII 16 18 40 48.4–2.3 36.7N–.20 70.4E–.10 204 15 6-41
NNC VIII 16 18 40 47.4–6.8 36.89N 70.22E 0 4.0b,3.6 ¶621030199
IDC VIII 16 18 40 49.5–8.9 36.83N 70.61E 221–55 3.8,3.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=56.6km s-min=46.1km az=167.0.
IDC Error ellipse: s-maj=85.1km s-min=38.7km az=178.0.
ISC VIII 16 02 35 35.2–1.6 36.5N–.10 70.8E–.20 100 3.9b 13 7-95
IDC VIII 16 02 35 19.1–3.0 35.86N 71.35E 0 3.7b,3.6 ¶621030120
NNC VIII 16 02 35 36.6–6.5 37.00N 70.24E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=70.4km s-min=23.4km az=136.0.
NNC Event type se. Error ellipse: s-maj=50.7km s-min=39.5km az=174.0.
ISC VIII 16 07 31 10.3–.52 35.90N–.05 68.59E–.06 30 4.0b 97 1-86
IDC VIII 16 07 31 05.8–.78 35.71N 68.73E 0 4.1s,4.0b ¶621030142
NEIC VIII 16 07 31 10.7–2.0 35.79N–.05 68.5E–.10 34–6 4.4b,4.0b
NNC VIII 16 07 31 11.5–2.9 36.30N 68.15E 0 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=14.4km az=142.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.7km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=23.9km s-min=17.8km az=2.0.
ISC VIII 14 14 13 54.2–1.2 36.5N–.10 70.9E–.10 188 3.4b 15 7-139
IDC VIII 14 14 13 52.1–6.8 36.36N 70.94E 170–56 3.8,3.3b ¶621013507
ISC Event type se.
IDC Error ellipse: s-maj=58.3km s-min=25.9km az=39.0.
ISC VIII 15 01 11 49.6–1.5 36.9N–.10 70.9E–.10 200 3.7b 29 6-66
IDC VIII 15 01 11 42.1–5.3 36.35N 70.83E 153–52 3.7,3.3b ¶621023510
NNC VIII 15 01 11 53.2–3.6 37.05N 70.67E 182–42 3.8,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=57.0km s-min=36.9km az=122.0.
NNC Event type se. Error ellipse: s-maj=33.9km s-min=24.9km az=41.0.
ISC VIII 18 09 31 45.7–.63 36.45N–.05 70.68E–.07 204 4.1b 124 2-84
IDC VIII 18 09 31 43.6–3.7 36.42N 70.53E 181–34 4.2,3.5b ¶620996172
NEIC VIII 18 09 31 46.1–1.8 36.52N–.06 70.5E–.20 198–4 4.2b,3.5b
NNC VIII 18 09 31 47.7–1.7 36.76N 70.40E 159–26 4.3,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=17.0km az=29.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=9.3km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=7.2km az=28.0.
ISC VIII 17 02 07 26.1–1.8 36.4N–.10 70.7E–.10 100 21 7-65
IDC VIII 17 02 07 18.7–7.4 35.68N 71.10E 73–66 3.8,3.6L ¶621030227
NNC VIII 17 02 07 28.8–5.4 36.61N 70.55E 82–104 3.8,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=67.8km s-min=49.6km az=140.0.
NNC Event type se. Error ellipse: s-maj=60.2km s-min=39.0km az=130.0.
ISC VIII 17 11 42 19.4–1.4 36.8N–.10 68.7E–.20 35 3.5b 9 6-86
IDC VIII 17 11 42 15.7–1.2 36.67N 69.39E 0 3.6b,3.6 ¶621030259
NNC VIII 17 11 42 20.4–6.9 37.20N 68.61E 0 4.0b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=38.0km az=149.0.
NNC Event type se. Error ellipse: s-maj=55.5km s-min=41.8km az=166.0.
ISC VIII 17 12 02 24.8–1.4 36.31N–.10 70.6E–.20 100 14 7-17
NNC VIII 17 12 02 32.6–8.2 36.81N 70.46E 130–124 3.7,3.1b ¶625786274
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=72.8km s-min=55.8km az=171.0.
ISC VIII 19 05 52 40.3–.47 36.22N–.05 69.59E–.04 169–4 4.0b 201 4-85
IDC VIII 19 05 52 40.8–.74 36.23N 69.55E 163–6 4.1,4.0s ¶625561022
NEIC VIII 19 05 52 41.8–1.1 36.44N–.10 69.4E–.10 173–10 4.4b,4.0s
MOS VIII 19 05 52 41.0–1.1 36.38N 69.52E 170 4.5b,4.0s
NNC VIII 19 05 52 49.1–5.1 36.92N 69.53E 210–44 4.2,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=11.6km az=19.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.7km az=68.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.2km s-min=5.1km az=85.5.
NNC Event type se. Error ellipse: s-maj=44.4km s-min=27.3km az=18.0.
ISC VIII 20 18 05 21.9–1.3 35.8N–.10 69.2E–.10 35 3.9b 16 7-44
IDC VIII 20 18 05 07.1–9.6 34.82N 69.46E 0 3.7b,3.6 ¶621041301
NNC VIII 20 18 05 31.6–4.9 36.82N 69.01E 0 3.6b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=168.5km s-min=29.9km az=159.0.
NNC Event type se. Error ellipse: s-maj=43.4km s-min=34.6km az=157.0.
ISC VIII 19 17 32 36.9–1.0 36.43N–.07 71.0E–.10 100 41 6-41
NNC VIII 19 17 32 46.8–4.7 37.02N 70.77E 115–56 3.8,3.2b ¶621039206
IDC VIII 19 17 32 46.3–8.9 36.82N 71.38E 165–61 3.9,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.0km s-min=24.2km az=8.0.
IDC Error ellipse: s-maj=77.9km s-min=48.4km az=0.0.
NNC VIII 23 05 09 06.0–4.5 36.40N 69.16E 0 3.6b,3.3
¶625786485
NNC Event type se. Error ellipse: s-maj=39.5km s-min=29.6km az=160.0.
ISC VIII 20 15 51 42.9–2.0 36.6N–.20 70.2E–.10 100 4.0b 18 7-47
NNC VIII 20 15 51 42.7–4.6 36.91N 70.09E 0 4.0b,3.4 ¶621041294
IDC VIII 20 15 51 43.8–8.9 36.58N 70.21E 108–61 3.9,3.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=39.5km s-min=31.4km az=156.0.
IDC Error ellipse: s-maj=82.0km s-min=42.9km az=165.0.
ISC VIII 27 18 52 05.4–.38 36.52N–.04 70.90E–.04 188 4.1b 221 2-84
IDC VIII 27 18 52 03.0–3.4 36.27N 70.91E 164–30 4.2,3.7b ¶621009720
NEIC VIII 27 18 52 06.3–1.6 36.56N–.06 70.88E–.09 187–5 4.3b,3.7b
NNC VIII 27 18 52 10.0–2.2 36.94N 70.93E 206–18 4.3,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=13.8km az=20.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.0km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=19.5km s-min=13.5km az=30.0.
NNC VIII 24 10 42 29.1–3.4 37.00N 70.47E 0 3.8b,3.6
¶625786530
NNC Event type se. Error ellipse: s-maj=28.1km s-min=22.3km az=155.0.
NNC VIII 24 19 24 45.7–3.0 36.81N 70.43E 0 3.5b,2.9
¶625786536
NNC Event type se. Error ellipse: s-maj=23.7km s-min=21.4km az=177.0.
ISC VIII 28 12 24 00.3–.41 36.52N–.04 70.97E–.04 188 4.1b 175 3-81
IDC VIII 28 12 24 00.7–2.1 36.50N 70.94E 192–20 4.2,3.7b ¶621009868
NEIC VIII 28 12 24 01.5–1.8 36.57N–.06 70.91E–.07 194–6 4.2b,3.7b
NNC VIII 28 12 24 04.6–3.0 36.91N 70.79E 184–35 4.5,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=11.7km az=141.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.3km az=215.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=28.8km s-min=20.4km az=46.0.
ISC IX 02 11 45 05.4–.96 36.46N–.07 70.5E–.10 204 44 6-41
IDC IX 02 11 45 05.7–9.2 36.51N 70.49E 200–61 4.0,3.6s ¶621080682
NNC IX 02 11 45 09.8–4.7 36.86N 70.33E 204–57 4.1,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=91.2km s-min=48.4km az=174.0.
NNC Event type se. Error ellipse: s-maj=45.5km s-min=30.3km az=7.0.
ISC VIII 30 08 18 58.3–.64 36.52N–.05 70.85E–.06 200 3.9b 80 2-84
IDC VIII 30 08 18 55.8–6.0 36.37N 71.00E 163–50 3.9,3.3b ¶621010127
NEIC VIII 30 08 18 59.6–.71 36.57N–.05 70.9E–.10 203–4 4.2b,3.3b
NNC VIII 30 08 19 05.5–3.4 37.10N 70.67E 192–31 3.5,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=48.2km s-min=20.3km az=39.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=5.8km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=30.3km s-min=18.6km az=25.0.
ISC VIII 30 18 23 30.2–.42 36.42N–.03 69.04E–.03 26–2 4.7b,3.9s 573 2-126
BJI VIII 30 18 23 25.5 36.40N 69.00E 10 4.9L,4.8b ¶621011073
IDC VIII 30 18 23 25.6–.60 36.18N 69.09E 0 4.5,4.4b
GFZ VIII 30 18 23 30.3–.20 36N–3.0 69E–2.0 10 5.0b,4.6
MOS VIII 30 18 23 30.6–1.2 36.49N 69.10E 41 4.9b,4.0s
NEIC VIII 30 18 23 33.7–1.2 36.41N–.05 69.11E–.08 49–5 4.7b,4.0s
NNC VIII 30 18 23 34.5–2.8 36.67N 68.92E 76–26 5.1,4.8b
BGR VIII 30 18 23 35.8 36.33N 68.64E 33 4.2b,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=9.4km az=9.0.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
MOS Error ellipse: s-maj=4.7km s-min=3.5km az=88.2.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.4km az=117.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=27.2km s-min=21.4km az=176.0.
BGR Event type ke.
NNC IX 02 23 45 12.1–3.1 36.24N 69.44E 91–50 3.5,3.2b
¶624939890
NNC Event type se. Error ellipse: s-maj=24.7km s-min=19.4km az=168.0.
ISC IX 10 19 23 07.1–2.8 36.7N–.20 70.1E–.20 200 14 6-16
NNC IX 10 19 23 09.7–9.5 36.88N 70.14E 216–102 3.8,2.5b ¶624940195
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=88.7km s-min=48.4km az=7.0.
NNC IX 10 08 50 49.5–4.0 36.80N 70.92E 80–117 3.5,3.3b
¶624940176
NNC Event type se. Error ellipse: s-maj=45.7km s-min=27.9km az=133.0.
ISC IX 10 05 22 39.6–.36 36.46N–.04 70.96E–.04 188 4.2b 216 2-150
IDC IX 10 05 22 38.4–3.1 36.37N 70.92E 176–29 4.2,3.7b ¶621051060
MOS IX 10 05 22 39.3–.77 36.52N 70.91E 194 4.5b,3.7b
NEIC IX 10 05 22 41.0–1.6 36.55N–.03 70.9E–.10 194–5 4.4b,3.7b
NNC IX 10 05 22 44.2–7.5 36.91N 70.52E 176–90 4.1,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=11.4km az=33.0.
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=84.8.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=4.3km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=68.0km s-min=35.1km az=8.0.
NNC IX 14 14 17 47.3–3.7 36.65N 70.80E 96–65 3.8,3.2b
¶624940346
NNC Event type se. Error ellipse: s-maj=36.4km s-min=28.0km az=127.0.
ISC IX 12 06 10 00.8–.47 36.16N–.05 70.62E–.05 100 4.2b 131 2-84
IDC IX 12 06 09 59.9–3.6 36.06N 70.64E 90–33 4.0,3.6b ¶621070433
NEIC IX 12 06 10 00.9–1.6 36.21N–.04 70.5E–.10 87–7 4.4b,3.6b
NNC IX 12 06 10 08.6–3.8 36.87N 70.45E 199–32 4.1,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=13.3km az=21.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=5.6km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=33.7km s-min=22.5km az=27.0.
ISC IX 15 00 41 10.6–.40 36.16N–.04 70.66E–.04 110 4.1b 171 2-149
IDC IX 15 00 41 09.9–3.6 36.07N 70.59E 108–31 4.2,3.7b ¶621073511
NEIC IX 15 00 41 12.6–1.9 36.30N–.05 70.61E–.09 121–5 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IX 17 23 14 20.6–1.6 36.3N–.10 70.8E–.10 100 17 7-17
NNC IX 17 23 14 29.5–4.5 36.77N 70.79E 109–83 3.9,3.2b ¶624940451
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.0km s-min=29.8km az=41.0.
ISC IX 18 08 34 15.7–2.7 36.9N–.20 70.7E–.10 200 16 6-82
NNC IX 18 08 34 16.6–3.4 36.99N 70.78E 211–40 3.9,2.6b ¶621113553
IDC IX 18 08 34 19.7–21 36.62N 70.92E 301–197 3.7,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.5km s-min=20.7km az=9.0.
IDC Error ellipse: s-maj=145.6km s-min=79.6km az=48.0.
ISC IX 19 22 14 27.4–1.6 36.4N–.10 70.4E–.10 35 17 7-81
NNC IX 19 22 14 35.8–8.9 37.01N 70.66E 0 4.0b,3.9 ¶621113650
IDC IX 19 22 14 39.9–5.8 37.98N 68.77E 72–59 3.8,3.6s
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=71.7km s-min=59.5km az=164.0.
IDC Error ellipse: s-maj=207.0km s-min=33.8km az=137.0.
NNC IX 22 16 45 49.2–4.8 36.70N 70.37E 0 3.9b,3.4
¶624940644
NNC Event type se. Error ellipse: s-maj=51.8km s-min=26.1km az=147.0.
NNC IX 25 07 14 59.8–5.5 36.80N 70.46E 178–106 3.6,2.7b
¶624940745
NNC Event type se. Error ellipse: s-maj=60.4km s-min=33.7km az=18.0.
ISC IX 28 14 53 46.8–1.1 36.62N–.08 71.0E–.10 150 25 5-17
NNC IX 28 14 53 54.1–5.4 37.08N 70.88E 153–57 3.5,2.9b ¶624940908
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=45.8km s-min=27.9km az=18.0.
ISC IX 26 20 46 10.2–1.1 36.48N–.07 70.5E–.10 204 27 5-85
IDC IX 26 20 46 09.8–7.3 36.31N 70.45E 198–63 3.7,3.1b ¶621131533
NNC IX 26 20 46 15.5–2.5 36.89N 70.28E 213–34 3.2,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=65.7km s-min=40.1km az=47.0.
NNC Event type se. Error ellipse: s-maj=25.2km s-min=19.1km az=16.0.

ISC IX 29 18 30 23.4–.85 35.42N–.07 70.95E–.09 90 3.3b 46 4-84
IDC IX 29 18 30 14.8–1.6 35.40N 70.63E 0 3.6,3.5L ¶621146390
NNC IX 29 18 30 27.9–3.8 35.75N 70.46E 50–81 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=19.3km az=65.0.
NNC Event type se. Error ellipse: s-maj=33.0km s-min=26.7km az=61.0.
ISC IX 29 15 17 22.6–.98 36.07N–.07 70.21E–.09 124 45 5-44
IDC IX 29 15 17 24.5–9.1 36.31N 70.00E 102–68 3.8,3.6L ¶621146380
NNC IX 29 15 17 27.4–5.0 36.55N 69.75E 120–93 3.7,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=89.4km s-min=57.1km az=152.0.
NNC Event type se. Error ellipse: s-maj=40.9km s-min=31.5km az=43.0.
ISC IX 30 19 34 38.9–.95 36.13N–.07 69.70E–.09 112 3.8b 47 6-83
IDC IX 30 19 34 24.6–1.9 35.71N 69.30E 0 4.1s,3.9b ¶621147780
NNC IX 30 19 34 45.7–8.0 36.67N 69.39E 120–102 3.9,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=28.8km az=179.0.
NNC Event type se. Error ellipse: s-maj=69.2km s-min=46.0km az=173.0.
ISC X 04 21 45 33.4–.43 36.94N–.04 69.95E–.05 36 4.3b,3.6s 199 3-95
IDC X 04 21 45 28.0–.91 36.84N 69.87E 0 4.2,4.1b ¶621120401
MOS X 04 21 45 28.5–1.3 37.04N 69.99E 9 4.4b,4.1b
NEIC X 04 21 45 30.2–2.2 36.98N–.03 70.00E–.04 10–1 4.4b,4.1b
NNC X 04 21 45 30.8–3.0 36.68N 69.72E 127–41 4.4,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=14.2km az=11.0.
MOS Error ellipse: s-maj=7.8km s-min=4.4km az=77.3.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=26.0km s-min=15.0km az=37.0.
NNC X 03 19 42 27.2–13 36.72N 70.94E 117–302 3.7,3.0b
¶624925721
NNC Event type se. Error ellipse: s-maj=112.0km s-min=93.5km az=25.0.
ISC X 10 08 15 38.2–1.9 36.9N–.10 69.9E–.20 10 3.8b 7 6-48
IDC X 10 08 14 56.7–20 31.83N 71.45E 0 3.8b,3.7 ¶621235371
ISC Event type se.
IDC Error ellipse: s-maj=377.7km s-min=50.8km az=160.0.
ISC X 05 07 59 58.8–.36 36.82N–.03 66.79E–.02 24–2 5.1b,4.5s 850 3-147
NNC X 05 07 59 48.0–1.9 36.27N 66.42E 0 5.8b,5.4 ¶621120450
NEIC X 05 07 59 57.3–2.1 36.84N–.05 66.65E–.08 10–1 5.2b,5.1
MOS X 05 07 59 57.6–1.1 36.87N 66.80E 26 5.2b,4.4s
BJI X 05 07 59 58.7 36.93N 67.28E 10 5.3b,5.1b
IDC X 05 07 59 59.6–3.5 36.73N 66.76E 32–26 4.8L,4.8
GFZ X 05 08 00 01.6–.23 37N–2.0 67E–2.0 43–2 6.1L,5.8b
GCMT X 05 08 00 02.1–.10 36.84N–.01 66.63E–.01 33–0 5.3W,5.8b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Felt (III-IV) at Dzharkurgan; (III) at Dushanbe, Karshi; (II-III) at Bukhara, Samarkand; (II) at Navoi, Tashkent. Moment Tensor Solution.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202110050759A. Moment Tensor Solution. s92,c128; s125,c240;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.02 $M_{\theta\theta}$-1.02±.02; $M_{\phi\phi}$1.02±.01; $M_{r\theta}$0.31±.03; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$-0.23±.03; Best double couple: NP1: ϕ_s220.00000°,δ70.00000°,λ-1.00000°. NP2:ϕ_s310.00000°,δ89.00000°,λ-160.00000°. Principal axes: T 1.0950,Plg13.0000°,Azm83.0000°; N 0.0140,Plg70.0000°,Azm313.0000° ; P -1.1140,Plg15.0000°,Azm177.0000° $M_0$1.10500×10^{17}
ISC X 05 19 28 56.2–1.5 36.7N–.10 70.9E–.20 188 10 6-16
NNC X 05 19 28 56.0–8.5 36.99N 70.58E 0 3.8b,3.4 ¶624925784
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=76.2km s-min=62.3km az=137.0.
ISC X 20 09 31 37.2–.68 36.29N–.06 69.88E–.07 150 4.0b 67 2-85
IDC X 20 09 31 18.6–1.3 35.57N 69.38E 0 4.1L,4.0b ¶621246593
NEIC X 20 09 31 36.8–1.7 36.32N–.07 69.81E–.06 130–9 4.3b,4.0b
NNC X 20 09 31 40.1–7.8 36.71N 69.40E 98–136 4.4,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=20.8km az=49.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=74.7km s-min=50.4km az=158.0.
ISC X 10 11 39 33.3–.46 36.52N–.04 70.96E–.04 186–4 4.3b 338 3-150
MOS X 10 11 39 33.1–.85 36.50N 70.90E 192 4.5b ¶621144249
NEIC X 10 11 39 34.6–1.0 36.51N–.07 70.9E–.10 194–5 4.3b
IDC X 10 11 39 34.4–3.2 36.39N 70.89E 195–30 4.5,3.9b
NNC X 10 11 39 39.8–1.9 37.09N 70.99E 208–13 4.7,3.7b
ISC Event type se.
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=86.2.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.1km az=119.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=10.0km az=21.0.
NNC Event type se. Error ellipse: s-maj=18.0km s-min=9.7km az=37.0.
ISC X 18 00 37 38.4–1.2 36.48N–.09 70.7E–.10 100 17 6-17
NNC X 18 00 37 47.5–5.6 36.97N 70.76E 174–68 3.2,2.6b ¶624926200
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=51.4km s-min=37.0km az=40.0.
ISC X 18 01 50 39.3–1.6 36.2N–.10 70.6E–.10 110 19 7-17
NNC X 18 01 50 53.2–4.7 36.98N 70.83E 200–46 3.8,2.8b ¶621630060
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.2km s-min=29.7km az=21.0.
NNC X 13 18 10 10.0–5.2 36.90N 70.77E 0 3.8b,3.8
¶624926062
NNC Event type se. Error ellipse: s-maj=41.2km s-min=34.4km az=161.0.
ISC X 17 20 11 58.7–.38 36.03N–.04 70.77E–.04 102 4.3b 173 2-149
NNC X 17 20 11 55.9–2.2 36.43N 70.54E 0 5.1b,5.1 ¶621205051
IDC X 17 20 11 57.9–2.3 36.05N 70.80E 87–20 4.3,3.9b
NEIC X 17 20 11 58.6–1.5 36.14N–.05 70.72E–.08 91–6 4.4b,3.9b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC X 24 05 10 00.5–7.9 36.77N 70.66E 0 4.0b,3.9
¶624926397
NNC Event type se. Error ellipse: s-maj=85.6km s-min=44.0km az=145.0.
ISC X 22 04 14 28.1–.96 36.21N–.08 70.83E–.10 102 4.2b 40 2-82
IDC X 22 04 14 26.4–7.3 36.03N 71.08E 87–62 4.0,3.7L ¶621309311
NEIC X 22 04 14 28.1–1.3 36.19N–.03 70.9E–.10 93–9 4.2b,3.7L
NNC X 22 04 14 29.7–4.3 36.37N 70.64E 90–81 4.4,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=27.3km az=33.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=4.5km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=41.9km s-min=33.3km az=126.0.
ISC X 24 18 07 22.6–1.3 36.7N–.10 70.5E–.10 204 3.2b 17 5-85
IDC X 24 18 07 20.6–7.7 36.45N 70.59E 193–67 3.6,3.0b ¶621366405
NNC X 24 18 07 24.5–7.0 36.87N 70.21E 119–142 4.1,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=65.4km s-min=30.3km az=40.0.
NNC Event type se. Error ellipse: s-maj=61.6km s-min=47.8km az=34.0.
ISC X 25 14 47 21.5–.54 36.92N–.06 66.76E–.05 35 4.1b,3.5s 107 3-89
IDC X 25 14 47 15.1–.98 36.56N 66.72E 0 3.9b,3.9 ¶621239123
NEIC X 25 14 47 20.8–2.3 36.93N–.08 66.70E–.05 19–3 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 29 09 10 22.5–3.7 36.6N–.20 70.7E–.10 10 12 6-15
NNC X 29 09 10 23.5–6.5 36.75N 70.86E 0 4.1b,4.0 ¶624926601
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=51.5km s-min=43.7km az=158.0.
ISC X 28 22 51 51.5–3.4 36.5N–.20 69.5E–.10 10 13 6-16
SOME X 28 22 51 49.1 37.43N 71.00E 5 ¶624926572
NNC X 28 22 51 53.5–5.2 36.77N 69.54E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=46.6km s-min=33.1km az=153.0.
ISC X 25 14 05 32.0–.63 36.42N–.05 70.30E–.06 204 4.2b 45 2-75
IDC X 25 14 04 31.8–7.1 32.06N 69.76E 0 3.8b,3.8s ¶621239112
NEIC X 25 14 05 33.3–.76 36.49N–.07 70.3E–.10 219–4 4.0b,3.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 07 05 03 01.8–.47 35.81N–.05 70.82E–.05 102 3.9b 83 2-84
IDC XI 07 05 03 00.6–4.6 35.68N 70.57E 78–42 3.9,3.6b ¶621372249
NEIC XI 07 05 03 02.3–1.1 35.87N–.04 70.74E–.08 93–8 4.2b,3.6b
NNC XI 07 05 03 11.8–3.8 36.60N 70.61E 176–39 3.8,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=14.6km az=25.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.5km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=31.4km s-min=26.9km az=20.0.
ISC XI 06 01 29 19.4–2.4 36.7N–.20 70.8E–.20 150 12 6-41
IDC XI 06 01 29 19.5–9.3 36.72N 70.81E 150–63 3.9b,3.8 ¶621415965
ISC Event type se.
IDC Error ellipse: s-maj=85.7km s-min=48.2km az=170.0.
ISC XI 08 09 59 23.6–3.1 36.7N–.20 70.6E–.10 50 14 6-16
NNC XI 08 09 59 25.8–8.6 37.06N 70.38E 0 3.9b,3.8 ¶624926972
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=66.8km s-min=46.1km az=171.0.
ISC XI 08 07 41 05.1–2.0 36.6N–.10 70.5E–.10 100 4.0b 20 6-44
IDC XI 08 07 40 43.7–9.7 35.28N 71.03E 0 3.9b,3.6 ¶621423086
NNC XI 08 07 41 05.2–5.0 36.62N 70.28E 112–92 3.6,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=168.3km s-min=34.7km az=157.0.
NNC Event type se. Error ellipse: s-maj=39.7km s-min=35.0km az=20.0.
ISC XI 09 02 33 23.5–.85 36.67N–.08 70.3E–.10 250 3.4b 33 6-85
NNC XI 09 02 33 21.3–15 36.86N 69.96E 0 3.8b,3.8 ¶621423130
IDC XI 09 02 33 24.9–3.7 36.78N 70.24E 280–33 3.8,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=170.1km s-min=84.2km az=153.0.
IDC Error ellipse: s-maj=29.9km s-min=27.3km az=40.0.
ISC XI 08 23 53 25.3–1.4 36.48N–.09 70.6E–.10 200 18 6-41
IDC XI 08 23 53 34.8–24 36.70N 71.04E 314–190 3.8,3.5b ¶621423125
ISC Event type se.
IDC Error ellipse: s-maj=225.6km s-min=76.1km az=179.0.
ISC XI 10 06 46 50.0–.69 36.47N–.05 70.45E–.07 204 3.9b 80 2-65
IDC XI 10 06 46 47.0–5.3 36.10N 70.61E 184–52 4.0,3.4b ¶621440049
NEIC XI 10 06 46 50.4–1.9 36.47N–.07 70.39E–.05 203–5 4.0b,3.4b
NNC XI 10 06 46 51.2–4.1 36.98N 70.16E 0 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=55.1km s-min=36.5km az=132.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.0km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=38.1km s-min=29.6km az=77.0.
ISC XI 11 16 40 39.1–1.1 36.47N–.09 70.3E–.10 150 3.9b 20 6-41
NNC XI 11 16 40 45.1–9.6 36.86N 70.03E 139–146 3.7,3.0b ¶621449532
IDC XI 11 16 40 46.5–8.7 36.80N 70.57E 221–56 3.8,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=87.3km s-min=58.4km az=179.0.
IDC Error ellipse: s-maj=85.9km s-min=42.1km az=175.0.
NNC XI 10 20 28 52.6–7.0 36.66N 69.96E 0 3.9b,3.5
¶624927049
NNC Event type se. Error ellipse: s-maj=56.6km s-min=46.8km az=160.0.
ISC XI 11 01 01 40.9–1.4 35.5N–.10 70.4E–.10 100 15 8-57
IDC XI 11 01 01 27.5–5.0 34.95N 70.15E 0 3.7b,3.6 ¶621449495
NNC XI 11 01 01 55.7–3.3 36.73N 70.24E 106–54 3.3,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=93.1km s-min=29.0km az=148.0.
NNC Event type se. Error ellipse: s-maj=29.0km s-min=19.6km az=170.0.
NNC XI 17 14 27 52.0–7.4 36.94N 70.29E 0 3.6b,3.4
¶624927276
NNC Event type se. Error ellipse: s-maj=80.6km s-min=39.9km az=149.0.
ISC XI 15 13 32 28.7–1.0 36.21N–.07 70.07E–.10 124 3.1b 50 6-85
IDC XI 15 13 32 24.6–6.5 35.82N 69.98E 85–50 4.0s,3.8 ¶621475635
NNC XI 15 13 32 37.1–2.6 36.77N 69.88E 154–22 3.9,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=64.8km s-min=34.8km az=63.0.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=12.9km az=19.0.
ISC XI 14 02 29 42.3–.64 36.38N–.06 70.92E–.07 150 3.7b 36 7-84
IDC XI 14 02 29 42.8–4.3 36.21N 70.88E 158–39 3.9,3.5b ¶621468634
NNC XI 14 02 29 43.9–3.5 36.89N 70.49E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=20.6km az=36.0.
NNC Event type se. Error ellipse: s-maj=27.6km s-min=20.9km az=166.0.
ISC XI 16 16 49 22.1–1.2 36.47N–.08 69.9E–.10 213 31 6-85
IDC XI 16 16 49 27.0–6.0 36.60N 70.42E 270–54 3.5,2.8b ¶621475683
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=35.1km az=49.0.
ISC XI 29 03 24 35.8–.53 36.47N–.05 70.13E–.05 213 3.7b 105 2-85
NEIC XI 29 03 24 36–1.5 36.52N–.04 70.14E–.09 225–5 4.1b ¶621481008
IDC XI 29 03 24 37.4–2.3 36.44N 70.22E 231–22 4.1,3.4b
NNC XI 29 03 24 49.0–3.1 37.57N 70.41E 229–31 4.5,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=4.5km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.2km s-min=14.7km az=88.0.
NNC Event type se. Error ellipse: s-maj=31.6km s-min=18.0km az=22.0.
ISC XI 17 21 32 58.9–4.0 36.1N–.40 70.9E–.20 10 13 7-29
IDC XI 17 21 32 50.7–9.0 35.88N 70.14E 0 3.5,3.4b ¶621494234
NNC XI 17 21 33 17.7–11 37.64N 70.35E 0 4.0b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=121.8km s-min=75.4km az=52.0.
NNC Event type se. Error ellipse: s-maj=110.3km s-min=52.1km az=162.0.
ISC XI 26 16 56 34.0–1.3 36.45N–.06 70.4E–.10 200 3.2b 46 6-85
IDC XI 26 16 56 31.2–6.5 36.32N 70.06E 195–50 3.6,3.0b ¶621622015
ISC Event type se.
IDC Error ellipse: s-maj=67.4km s-min=33.0km az=75.0.
ISC XI 19 10 39 48.6–.51 36.32N–.04 68.48E–.06 24 4.0b,3.0s 95 2-86
IDC XI 19 10 39 45.5–.89 36.19N 68.63E 0 3.8b,3.8 ¶621423227
NEIC XI 19 10 39 47.4–1.1 36.38N–.04 68.32E–.08 10–1 4.2b,3.8
NNC XI 19 10 39 53.2–3.8 36.79N 68.37E 0 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=14.3km az=136.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.5km az=274.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=34.6km s-min=23.7km az=175.0.
ISC XI 20 06 28 54.8–.60 36.22N–.06 70.00E–.07 150 3.7b 74 2-85
NEIC XI 20 06 28 54.2–1.2 36.26N–.05 69.9E–.10 132–10 4.2b ¶622511745
IDC XI 20 06 28 54.8–3.7 36.18N 69.98E 144–32 4.1,3.6b
NNC XI 20 06 29 00.3–5.5 36.75N 69.62E 191–66 4.6,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=1.9km az=118.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.7km s-min=15.6km az=8.0.

NNC Event type se. Error ellipse: s-maj=47.7km s-min=32.2km az=32.0.
ISC XI 27 02 37 44.9–.46 36.51N–.04 70.25E–.05 213 3.8b 132 2-126
MOS XI 27 02 37 44.7–1.1 36.52N 70.21E 218 4.4b ¶621480035
NEIC XI 27 02 37 45.4–1.6 36.50N–.05 70.2E–.10 216–4 4.1b
IDC XI 27 02 37 45.9–3.7 36.43N 70.36E 224–34 4.1,3.6s
NNC XI 27 02 37 48.5–3.0 36.88N 70.14E 220–24 4.3,3.2b
ISC Event type se.
MOS Error ellipse: s-maj=12.7km s-min=5.1km az=80.3.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.7km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.8km s-min=14.7km az=47.0.
NNC Event type se. Error ellipse: s-maj=27.1km s-min=16.2km az=13.0.
ISC XII 01 22 33 23.8–.87 36.51N–.07 70.88E–.10 200 3.5b 39 6-84
IDC XII 01 22 33 21.2–6.0 36.33N 70.97E 171–49 3.9,3.4b ¶621629853
NNC XII 01 22 33 22.4–7.8 36.93N 70.03E 0 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=22.8km az=44.0.
NNC Event type se. Error ellipse: s-maj=66.3km s-min=52.9km az=148.0.
ISC XI 30 18 02 56.3–.42 36.50N–.04 70.75E–.05 204 4.1b 116 2-84
NNC XI 30 18 02 52.7–4.4 36.86N 70.21E 0 4.4b,4.0 ¶621532562
NEIC XI 30 18 02 56.2–2.3 36.47N–.01 70.74E–.09 197–5 4.2b,4.0
IDC XI 30 18 02 58.0–4.1 36.55N 70.93E 210–35 4.1,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.8km s-min=27.2km az=164.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=1.3km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.1km s-min=13.8km az=47.0.
ISC XII 03 18 34 47.9–1.3 36.05N–.09 70.3E–.10 100 26 7-75
IDC XII 03 18 34 34.0–10 35.69N 69.21E 0 4.2b,3.8 ¶621630611
NNC XII 03 18 34 54.1–4.2 36.53N 69.88E 83–64 3.9,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=170.1km s-min=47.1km az=164.0.
NNC Event type se. Error ellipse: s-maj=42.2km s-min=27.7km az=145.0.
NNC XII 02 03 29 36.5–6.4 36.28N 70.34E 118–147 3.6,3.3b
¶624927796
NNC Event type se. Error ellipse: s-maj=53.1km s-min=46.1km az=58.0.
ISC XII 02 17 57 04.9–.67 36.28N–.05 68.43E–.07 24 4.0b 69 2-86
IDC XII 02 17 57 00.9–1.4 36.11N 68.46E 0 3.9b,3.9 ¶621629899
NNC XII 02 17 57 07.5–6.4 36.67N 68.17E 0 4.2b,3.7
NEIC XII 02 17 57 08.9–.95 36.26N–.05 68.5E–.10 63–7 4.0b,3.7
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 03 12 47 54.0–.86 36.30N–.08 70.9E–.10 188 3.5b 27 7-82
IDC XII 03 12 47 50.6–12 36.05N 70.93E 173–112 3.6,3.3b ¶621630597
NNC XII 03 12 48 03.1–5.1 36.88N 70.98E 214–64 3.6,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=65.3km s-min=24.5km az=31.0.
NNC Event type se. Error ellipse: s-maj=50.2km s-min=30.9km az=11.0.
ISC XII 04 18 09 34.9–.65 36.46N–.05 70.36E–.06 204 4.1b 85 2-58
IDC XII 04 18 08 43.9–12 33.31N 69.22E 0 4.0b,3.8 ¶621612567
NEIC XII 04 18 09 35.7–2.3 36.49N–.03 70.2E–.10 221–6 4.0b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 06 03 24 16.3–1.5 36.6N–.10 70.8E–.10 188 16 6-84
IDC XII 06 03 24 19.5–9.6 36.53N 71.05E 220–86 3.7,3.2b ¶621632567
NNC XII 06 03 24 20.1–3.3 36.90N 70.73E 165–44 3.5,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=69.1km s-min=30.6km az=45.0.
NNC Event type se. Error ellipse: s-maj=30.6km s-min=20.8km az=46.0.
ISC XII 05 04 28 15.7–3.9 36.5N–.30 68.9E–.20 10 9 7-14
NNC XII 05 04 28 23.2–10 37.18N 68.44E 0 3.9b,3.6 ¶624927918
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=93.8km s-min=70.5km az=159.0.
NNC XII 09 06 19 52.3–7.6 36.87N 70.56E 0 3.7b,3.2
¶624928077
NNC Event type se. Error ellipse: s-maj=58.5km s-min=53.0km az=16.0.
NNC XII 07 17 05 42.5–1.1 36.64N 70.63E 117–17 3.6,3.2b
¶624928015
NNC Event type se. Error ellipse: s-maj=12.0km s-min=8.6km az=131.0.
ISC XII 14 02 00 29.7–.56 36.22N–.05 70.16E–.06 150 3.4b 86 2-85
IDC XII 14 02 00 27.6–4.6 36.09N 70.25E 115–38 3.9,3.4b ¶621652852
NEIC XII 14 02 00 29.7–1.7 36.26N–.04 70.05E–.09 123–7 4.0b,3.4b
NNC XII 14 02 00 31.7–4.8 36.52N 69.68E 136–38 4.2,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=18.1km az=13.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.1km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=36.7km s-min=22.6km az=17.0.
ISC XII 11 20 38 33.4–.61 36.58N–.06 69.69E–.06 200 3.6b 59 2-65
NEIC XII 11 20 38 33.8–1.5 36.52N–.06 69.8E–.10 212–7 4.0b ¶621627542
IDC XII 11 20 38 35.3–7.2 36.71N 69.65E 206–49 3.8,3.4s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.8km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.5km s-min=24.7km az=1.0.
NNC XII 11 12 38 24.6–9.0 36.79N 70.46E 0 4.2b,3.7
¶624928152
NNC Event type se. Error ellipse: s-maj=72.0km s-min=60.3km az=160.0.
ISC XII 12 11 59 56.5–.85 35.98N–.07 69.72E–.09 112 3.2b 48 6-85
IDC XII 12 11 59 48.6–5.7 35.56N 69.45E 49–45 3.9,3.8L ¶621650503
NNC XII 12 12 00 00.3–4.3 36.37N 69.43E 101–66 4.1,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=48.4km s-min=27.0km az=38.0.
NNC Event type se. Error ellipse: s-maj=49.3km s-min=29.3km az=140.0.
NNC XII 19 16 40 23.5–3.8 36.89N 70.37E 0 3.7b,3.4
¶624929940
NNC Event type se. Error ellipse: s-maj=31.7km s-min=25.6km az=153.0.
ISC XII 19 06 08 19.3–2.0 36.5N–.20 70.9E–.20 100 12 7-81
IDC XII 19 06 08 02.1–4.5 35.52N 71.38E 0 3.8b,3.6 ¶621657060
NNC XII 19 06 08 17.2–5.4 36.83N 70.08E 0 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=88.5km s-min=39.6km az=150.0.
NNC Event type se. Error ellipse: s-maj=43.9km s-min=36.9km az=166.0.
IDC XII 20 08 12 49.8–1.6 36.12N 69.32E 0 3.8,3.7b
¶621685596
IDC Error ellipse: s-maj=28.6km s-min=26.5km az=134.0.
ISC XII 20 08 13 44.1–.54 36.28N–.05 69.47E–.06 48 3.7b,3.0s 91 2-85
IDC XII 20 08 13 37.4–1.1 36.02N 69.51E 0 4.0L,3.9 ¶621685599
NEIC XII 20 08 13 40.0–.79 36.35N–.05 69.41E–.07 10–1 4.1b,3.9
NNC XII 20 08 13 45.2–2.6 36.40N 68.96E 46–62 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=17.2km az=157.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.8km az=124.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=20.3km az=54.0.
ISC XII 20 20 35 31.1–.41 36.03N–.04 70.98E–.04 91–3 4.3b 260 2-150
MOS XII 20 20 35 29.5–1.3 36.03N 70.96E 87 4.3b ¶621634982
NNC XII 20 20 35 29.2–2.1 36.42N 70.21E 0 4.7b,4.5
IDC XII 20 20 35 31.6–.63 36.01N 71.03E 95–5 4.2,3.8b
NEIC XII 20 20 35 32.0–1.4 36.10N–.04 70.93E–.07 92–5 4.4b,3.8b
ISC Event type se.
NNC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 14 01 03.6–1.4 35.9N–.10 70.5E–.10 110 17 7-17
NNC XII 22 14 01 10.0–6.9 36.24N 70.24E 85–144 3.7,3.6b ¶624930040
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=54.3km s-min=48.8km az=79.0.
ISC XII 28 13 16 29.3–.47 36.41N–.05 70.59E–.05 204 4.1b 157 2-84
NNC XII 28 13 16 21.9–3.4 36.48N 70.34E 0 4.7b,4.6 ¶621655825
IDC XII 28 13 16 27.4–3.9 36.20N 70.63E 196–32 4.2,3.6b
NEIC XII 28 13 16 30.1–1.1 36.40N–.05 70.6E–.10 214–4 4.2b,3.6b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 26 07 05 43.7–1.3 36.6N–.10 70.9E–.20 188 3.3b 16 6-84
IDC XII 26 07 05 43.3–10 36.47N 71.08E 186–87 3.5,3.0b ¶621700201
ISC Event type se.
IDC Error ellipse: s-maj=72.8km s-min=28.0km az=46.0.
ISC XII 27 13 01 45.3–1.5 36.5N–.10 70.1E–.20 213 14 7-85
NNC XII 27 13 01 41.8–2.1 36.77N 69.86E 0 3.7b,3.4 ¶621717316
IDC XII 27 13 01 47.5–19 36.35N 70.63E 233–174 3.6,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.4km s-min=15.4km az=172.0.
IDC Error ellipse: s-maj=144.5km s-min=67.0km az=55.0.
ISC XII 28 12 31 45.7–.42 36.36N–.04 70.80E–.05 200 4.1b 182 2-91
NNC XII 28 12 31 42.6–4.9 36.69N 70.33E 0 4.6b,4.5 ¶621655824
IDC XII 28 12 31 46.2–3.0 36.31N 70.77E 202–26 4.2,3.6b
NEIC XII 28 12 31 47.1–1.2 36.42N–.05 70.72E–.10 207–3 4.1b,3.6b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC XII 30 04 55 38.6–4.9 36.63N 70.10E 199–56 3.7,2.8b
¶624930351
NNC Event type se. Error ellipse: s-maj=46.7km s-min=34.4km az=54.0.
ISC XII 30 02 13 30.8–1.9 36.2N–.10 69.0E–.10 35 3.8b 16 7-44
IDC XII 30 02 13 18.4–10 35.30N 69.16E 0 3.7b,3.5 ¶621725981
NNC XII 30 02 13 42.1–4.3 36.71N 69.29E 120–84 3.5,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=178.5km s-min=36.0km az=160.0.
NNC Event type se. Error ellipse: s-maj=34.3km s-min=26.6km az=40.0.

(719) Tajikistan-Xinjiang border region.

ISC VII 03 23 57 23.6–1.4 39.49N–.08 73.80E–.03 10 3.5b 57 1-43
IDC VII 03 23 57 17.8–3.4 38.99N 74.34E 0 3.6b,3.4 ¶620927841
KRNET VII 03 23 57 22.6–.10 39.48N 73.84E 28 3.6b,3.4
SOME VII 03 23 57 22.3 39.67N 73.68E 15 3.6b,3.4
NNC VII 03 23 57 24.8–2.2 39.60N 74.06E 0 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=53.2km s-min=27.7km az=128.0.
NNC Event type se. Error ellipse: s-maj=16.1km s-min=7.9km az=170.0.
ISC VII 13 19 53 57.7–3.4 37.4N–.40 74.4E–.20 150 3.5b 9 11-45
IDC VII 13 19 54 00.2–18 37.46N 74.53E 170–119 3.6,3.1b ¶620928558
ISC Event type se.
IDC Error ellipse: s-maj=174.0km s-min=80.2km az=172.0.
ISC VII 14 17 23 04.2–.65 39.58N–.04 73.27E–.03 10 4.1s,3.7b 126 0-85
IDC VII 14 17 22 60.0–.95 39.30N 73.32E 0 3.8s,3.7b ¶620828957
KRNET VII 14 17 22 59.6–.10 39.51N 73.09E 13 4.0b,3.7b
SOME VII 14 17 23 04.2 39.48N 73.38E 15 4.0b,3.7b
NNC VII 14 17 23 08.0–1.6 39.72N 73.33E 11–7 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=12.0km az=117.0.
NNC Event type se. Error ellipse: s-maj=11.9km s-min=7.1km az=178.0.
ISC VII 26 11 08 31.8–.39 38.20N–.04 73.97E–.04 150 4.3b 199 2-92
SOME VII 26 11 08 29.3 39.03N 73.58E 20 4.3b ¶620846100
IDC VII 26 11 08 32.9–1.2 38.17N 74.16E 160–8 4.2,4.0s
GFZ VII 26 11 08 33.0–.37 38N–4.0 74E–4.0 159–4 4.6b,4.4
NEIC VII 26 11 08 33.7–1.2 38.28N–.07 74.04E–.09 162–5 4.3b,4.4
NNC VII 26 11 08 34.1–4.1 38.35N 73.74E 158–36 4.2,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=14.3km az=9.0.
GFZ Error ellipse: s-maj=8.8km s-min=7.3km az=37.4. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.3km az=129.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=37.6km s-min=20.5km az=11.0.
ISC VII 20 00 15 11.0–1.5 39.66N–.05 73.59E–.02 10–9 3.4b 109 0-58
IDC VII 20 00 15 09.9–1.6 39.51N 73.56E 0 3.6b,3.5 ¶620834123
KRNET VII 20 00 15 10.6–.10 39.61N 73.63E 30 3.8b,3.5
NNC VII 20 00 15 19.1–1.7 39.90N 73.57E 3–9 4.2b,3.6
SOME VII 20 00 15 19.0 39.90N 73.62E 5 4.2b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=13.8km az=131.0.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=7.4km az=175.0.
ISC VIII 02 22 47 46.6–.36 38.25N–.03 73.23E–.03 10 4.4b 276 2-89
BJI VIII 02 22 47 43.5 38.15N 72.86E 12 4.5b,4.3L ¶620929673
IDC VIII 02 22 47 44.2–.82 37.99N 73.15E 0 4.1,4.1s
SOME VIII 02 22 47 46.8 38.27N 73.27E 5 4.1,4.1s
NEIC VIII 02 22 47 47–1.5 38.26N–.07 73.18E–.08 10–1 4.6b,4.1s
NNC VIII 02 22 47 48.6–1.8 38.26N 73.12E 0 4.8b,4.3
GFZ VIII 02 22 47 49.7–.22 38N–3.0 73E–3.0 10 4.8,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VII 29 23 09 12.9–.29 38.62N–.03 73.08E–.03 96–2 4.9b 863 1-152
NNC VII 29 23 09 09.5–2.5 38.83N 72.84E 0 5.3b,4.8 ¶620883001
IDC VII 29 23 09 11.7–2.5 38.63N 73.14E 81–21 4.6,4.2b
MOS VII 29 23 09 12.2–.98 38.69N 73.13E 96 5.0b,4.2b
BJI VII 29 23 09 13.0 38.93N 73.16E 96 4.8b,4.5b
NEIC VII 29 23 09 14.1–.91 38.74N–.05 73.11E–.07 96–5 5.0b,4.5b
GFZ VII 29 23 09 14.6–.36 39N–4.0 73E–2.0 83–4 5.0b,4.9
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 07 20 22 54.8–.78 38.14N–.04 73.51E–.05 10 37 5-26
SOME VIII 07 20 22 52.8 38.17N 73.53E 10 ¶621000736
IDC VIII 07 20 22 53.4–8.2 37.75N 74.38E 0 3.3,3.1b
NNC VIII 07 20 22 56.8–2.2 38.21N 73.42E 19–8 3.5b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=110.8km s-min=53.4km az=42.0.
NNC Event type se. Error ellipse: s-maj=15.9km s-min=9.9km az=174.0.
ISC VIII 04 16 51 31.9–.81 38.20N–.06 73.6E–.10 10 3.5b 21 4-68
IDC VIII 04 16 51 23.9–2.2 37.63N 73.33E 0 3.6b,3.4 ¶620997316
NNC VIII 04 16 51 36.3–2.5 38.39N 73.20E 0 3.7b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=24.3km az=149.0.
NNC Event type se. Error ellipse: s-maj=19.5km s-min=11.7km az=2.0.
ISC VIII 09 08 24 19.1–.89 38.03N–.06 74.2E–.10 100 35 4-15
NNC VIII 09 08 24 19.5–6.7 38.02N 73.73E 89–212 3.5,3.1b ¶621148082
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=65.8km s-min=47.4km az=33.0.
ISC VIII 12 09 34 46.9–1.5 38.03N–.10 73.87E–.10 100 3.6b 24 4-80
IDC VIII 12 09 34 46.0–5.4 37.93N 74.40E 123–38 3.8,3.4b ¶621009396
SOME VIII 12 09 34 49.2 39.32N 73.62E 5 3.8,3.4b

ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=33.9km az=147.0.
ISC VIII 16 12 17 58.9–.33 38.12N–.03 73.21E–.04 50 4.3b 283 2-89
NNC VIII 16 12 17 44.2–6.1 37.47N 72.64E 0 4.8,4.8b **¶620989832**
MOS VIII 16 12 17 52.3–1.4 38.00N 73.26E 33 4.6b,4.8b
BJI VIII 16 12 17 53.3 38.11N 73.21E 8 4.6L,4.6b
IDC VIII 16 12 17 59.5–3.0 38.08N 73.33E 64–26 4.2,3.9L
NEIC VIII 16 12 17 59.3–1.3 38.15N–.06 73.20E–.08 48–7 4.5b,3.9L
GFZ VIII 16 12 18 00.3–.21 38N–3.0 73E–3.0 53 4.7b,4.7
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC VIII 13 09 25 23.3–1.7 39.77N–.06 73.87E–.03 5–12 55 0-4
SOME VIII 13 09 25 15.1 39.30N 74.13E 10 **¶620985611**
NNC VIII 13 09 25 19.4–3.5 39.52N 74.09E 0 3.6b,3.2
KRNET VIII 13 09 25 22.0–.10 39.64N 73.92E 12 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.9km s-min=13.7km az=163.0.
ISC VIII 13 21 14 06.5–1.5 38.2N–.10 73.0E–.10 100 16 5-67
IDC VIII 13 21 13 55.6–1.8 37.93N 73.19E 0 3.6b,3.5 **¶621012223**
NNC VIII 13 21 13 59.0–5.6 37.97N 72.75E 0 3.8b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=20.1km az=129.0.
NNC Event type se. Error ellipse: s-maj=58.8km s-min=31.9km az=136.0.
ISC VIII 17 19 42 24.0–.89 38.33N–.06 73.2E–.10 35 28 4-16
NNC VIII 17 19 42 28.3–4.7 38.86N 72.95E 0 3.6b,3.3 **¶625786279**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.4km s-min=27.1km az=162.0.
ISC VIII 22 05 00 54.1–1.1 39.56N–.05 73.25E–.02 10 96 0-7
KRNET VIII 22 05 00 52.1–.10 39.46N 73.25E 16 3.4b **¶622410023**
ISU VIII 22 05 00 52 39.51N 73.27E 5 3.4b
SOME VIII 22 05 00 56.2 39.63N 73.18E 5 3.4b
NNC VIII 22 05 00 58.1–.79 39.69N 73.17E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.3km s-min=2.7km az=179.0.
ISC VIII 22 05 11 14.8–.54 38.25N–.04 73.20E–.04 10 3.6b 90 4-81
IDC VIII 22 05 11 12.4–1.1 38.04N 73.09E 0 3.6b,3.6 **¶621043057**
SOME VIII 22 05 11 15.4 38.28N 73.22E 5 3.6b,3.6
NNC VIII 22 05 11 18.7–1.2 38.40N 73.08E 0–4 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=16.0km az=130.0.
NNC Event type se. Error ellipse: s-maj=9.3km s-min=5.7km az=174.0.
ISC IX 08 05 20 02.1–.20 38.06N–.02 73.17E–.02 21–2 5.3b,5.1s 1331 2-153
BGR IX 08 05 19 58.1 36.76N 73.56E 33 5.4b,5.1s **¶621041967**
IDC IX 08 05 19 58.6–.36 38.04N 73.20E 0 5.1b,5.1
NNC IX 08 05 19 58.1–2.1 37.99N 72.97E 0 6.2,6.0b
BJI IX 08 05 20 00.8 38.05N 73.30E 10 5.6b,5.5s
GCMT IX 08 05 20 03.9–.30 38.17N–.02 73.07E–.02 27–1 5.5W,5.5s
MOS IX 08 05 20 04.3–1.0 38.16N 73.24E 47 5.5b,5.1s
NEIC IX 08 05 20 04.3–2.1 38.12N–.04 73.22E–.07 35–1 5.4b,5.4
NEIC IX 08 05 20 05.3 38.15N 73.21E 43 5.4b,5.4
PTWC IX 08 05 20 05 38.10N 73.20E 5.4,5.4
GFZ IX 08 05 20 06.8–.26 38N–2.0 73E–1.0 54–2 5.8b,5.5W
ISC Event type ke.
BGR Event type ke.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109080520A. Moment Tensor Solution. s8,c9; s120,c187; Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.15 $M_{\theta\theta}$-2.38±.09; $M_{\phi\phi}$2.53±.10; $M_{r\theta}$-0.51±.20; $M_{\theta\phi}$-0.45±.07; $M_{\phi r}$0.67±.17; Best double couple: NP1:ϕ_s40.00000°,δ72.00000°,λ2.00000°. NP2:ϕ_s310.00000°,δ88.00000°,λ162.00000°. Principal axes: T 2.7500,Plg14.0000°,Azm264.0000°; N -0.2340,Plg72.0000°,Azm124.0000°; P -2.5100,Plg11.0000°,Azm356.0000° $M_0$2.63000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.18 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$1.59 $M_{r\theta}$0.51 $M_{\theta\phi}$0.13 $M_{\phi r}$0.05 NP1:ϕ_s225.65000°,δ77.89000°,λ-16.12000°. NP2:ϕ_s319.12000°,δ74.25000°,λ-167.41000°. Principal axes: T 1.5980,Plg2.0000°,Azm273.0000°; N -0.0036,Plg70.0000°,Azm10.0000°; P -1.5944,Plg20.0000°,Azm182.0000° $M_0$1.60000×10^{17}
NEIC Event type se.
PTWC TAJIKISTAN-XINJIANG BORDER REGION.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VIII 22 19 23 14.8–.76 38.05N–.07 73.93E–.07 152 3.4b 56 4-81
SOME VIII 22 19 23 15.6 39.22N 73.68E 20 3.4b **¶621043118**
IDC VIII 22 19 23 16.8–5.7 38.01N 74.28E 171–50 3.9,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=24.1km az=27.0.
ISC VIII 25 09 32 51.4–1.3 39.38N–.07 73.26E–.03 10 57 1-5
KRNET VIII 25 09 32 50.8–.10 39.38N 73.29E 17 3.5b **¶621007040**
ISU VIII 25 09 32 53 39.57N 73.15E 4 3.5b
ISC Event type se.
ISC IX 07 13 34 11.9–.28 38.11N–.03 73.16E–.03 35 4.6b,3.9s 479 2-152
NNC IX 07 13 34 01.1–2.8 37.62N 72.43E 0 5.2b,5.0 **¶621041442**
BJI IX 07 13 34 09.7 38.19N 73.37E 7 4.9b,4.7L
GCMT IX 07 13 34 10.9–.40 38.20N–.03 73.14E–.03 27–1 4.8W,4.7L
IDC IX 07 13 34 10.3–3.2 38.04N 73.22E 25–20 4.3,4.1b
MOS IX 07 13 34 11.1–.85 38.12N 73.18E 42 4.8b,4.1s
NEIC IX 07 13 34 12.6–1.2 38.13N–.05 73.19E–.06 39–7 4.7b,4.1s
BGR IX 07 13 34 13.4 37.82N 73.77E 33 4.6b,3.9s
GFZ IX 07 13 34 14.6–.41 38N–3.0 73E–3.0 58–4 4.8,4.7b
ISC Event type ke.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109071334A. Moment Tensor Solution. s7,c7; s68,c97; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.86±.18 $M_{\theta\theta}$-0.82±.10; $M_{\phi\phi}$1.68±.12; $M_{r\theta}$-0.64±.17; $M_{\theta\phi}$0.63±.07; $M_{\phi r}$-0.00±.14; Best double couple: NP1:ϕ_s157.00000°,δ59.00000°,λ-149.00000°. NP2:ϕ_s50.00000°,δ64.00000°,λ-35.00000°. Principal axes: T 1.8410,Plg3.0000°,Azm104.0000°; N -0.3000,Plg47.0000°,Azm198.0000°; P -1.5450,Plg43.0000°,Azm11.0000° $M_0$1.69300×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IX 17 22 06 43.1–.27 38.41N–.03 73.36E–.03 107–2 4.9b 853 2-152
MOS IX 17 22 06 42.7–.99 38.52N 73.45E 108 5.1b **¶621082830**
BJI IX 17 22 06 43.1 38.40N 73.45E 120 4.8b,4.6b
NEIC IX 17 22 06 44.3–1.2 38.50N–.03 73.45E–.06 111–7 4.9b,4.6b
IDC IX 17 22 06 44.6–.44 38.44N 73.46E 118–3 4.9,4.5b
GFZ IX 17 22 06 44.7–.34 38N–3.0 73E–3.0 104–4 5.6L,5.3b
NNC IX 17 22 06 46.7–2.6 38.78N 73.26E 170–22 5.2,4.6b
BGR IX 17 22 06 48.0 38.78N 73.27E 124–0 5.0b,4.6b
GCMT IX 17 22 06 48.3–.30 38.57N–.02 73.17E–.02 130–3 4.8W,4.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109172206A. Moment Tensor Solution. s16,c21; s88,c132; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19±.07 $M_{\theta\theta}$-0.72±.09; $M_{\phi\phi}$0.91±.09; $M_{r\theta}$-1.21±.06; $M_{\theta\phi}$-1.76±.07; $M_{\phi r}$-0.38±.05; Best double couple: NP1:ϕ_s9.00000°,δ63.00000°,λ-14.00000°. NP2:ϕ_s105.00000°,δ78.00000°,λ-152.00000°. Principal axes: T 2.0960,Plg10.0000°,Azm234.0000°; N 0.4040,Plg60.0000°,Azm127.0000°; P -2.5000,Plg28.0000°,Azm330.0000° $M_0$2.29800×10^{16}

ISC IX 17 22 22 52.0–.52 38.49N–.04 73.45E–.05 150 4.0b 88 2-81
IDC IX 17 22 22 48.5–3.7 38.26N 73.67E 92–29 4.1,3.7b **¶621082832**
NEIC IX 17 22 22 53.2–1.8 38.55N–.05 73.44E–.08 110–4 4.2b,3.7b
NNC IX 17 22 22 56.5–2.0 38.85N 73.23E 170–24 4.1,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=19.3km az=171.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.4km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=19.5km s-min=11.4km az=9.0.
ISC IX 18 15 23 42.9–1.4 39.41N–.05 73.47E–.02 9–11 74 1-7
KRNET IX 18 15 23 45.6–.10 39.47N 73.26E 13 3.4b **¶621082988**
ISU IX 18 15 23 47 39.45N 73.39E 20 3.4b
NNC IX 18 15 23 49.3–1.3 39.53N 73.32E 0 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=4.8km az=178.0.
ISC IX 18 00 47 14.4–.56 38.32N–.06 73.91E–.07 150 3.6b 56 4-79
IDC IX 18 00 47 13.4–3.8 38.44N 73.53E 109–28 3.9,3.4b **¶621113536**
NNC IX 18 00 47 17.7–2.2 38.84N 73.19E 163–20 3.8,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=17.8km az=159.0.
NNC Event type se. Error ellipse: s-maj=21.0km s-min=10.4km az=6.0.
ISC IX 19 15 21 48.6–1.2 39.84N–.04 73.07E–.02 7–9 87 0-6
KRNET IX 19 15 21 48.9–.10 39.83N 73.02E 18 3.2b **¶621083127**
ISU IX 19 15 21 48 39.80N 73.04E 5 3.2b
SOME IX 19 15 21 50.7 39.95N 73.03E 5 3.2b
NNC IX 19 15 21 53.3–1.2 40.06N 72.99E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.3km s-min=3.9km az=173.0.
ISC IX 27 05 40 39.0–.34 38.07N–.03 73.21E–.02 27–2 5.2b,4.5s 929 2-152
IDC IX 27 05 40 34.3–.47 37.97N 73.19E 0 4.8b,4.8 **¶621110569**
MOS IX 27 05 40 35.2–1.0 37.95N 73.23E 14 5.3b,4.6s
NEIC IX 27 05 40 36.8–.84 38.04N–.05 73.23E–.07 10–1 5.3b,4.6s
GFZ IX 27 05 40 37.9 38.02N 73.22E 22 5.1W,4.6s
GCMT IX 27 05 40 37.3–.20 38.27N–.02 73.16E–.01 18–0 5.1W,4.6s
GFZ IX 27 05 40 38.9–.18 38N–3.0 73E–2.0 10 5.7b,5.5L
BJI IX 27 05 40 39.6 38.09N 73.27E 43 5.2L,5.2b
NNC IX 27 05 40 39.2–2.5 38.17N 73.23E 15–10 5.6b,5.4
NEIC IX 27 05 40 42.9 38.24N 73.15E 18 5.1,5.4
NEIC IX 27 05 40 42.5 38.14N 73.15E 47 5.1,5.4
BGR IX 27 05 40 47.2 38.21N 72.28E 33 5.0b,5.4
ISC Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=9.4km az=2.0.
MOS Error ellipse: s-maj=4.4km s-min=3.3km az=100.5.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.0km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.78 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$5.46 $M_{r\theta}$-0.27 $M_{\theta\phi}$-1.85 $M_{\phi r}$-0.34 NP1:ϕ_s158.92164°,δ43.89674°,λ-97.90005°. NP2:ϕ_s349.82153°,δ46.62421°,λ-82.46626°. Principal axes: T 5.9792,Plg1.3699°,Azm74.5005°; N -1.1589,Plg5.4685°,Azm164.6317°; P -4.8202,Plg84.3615°,Azm330.4831° $M_0$5.49219×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202109270540A. Moment Tensor Solution. s66,c94; s108,c180; Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.58±.17 $M_{\theta\theta}$-1.05±.13; $M_{\phi\phi}$5.63±.11; $M_{r\theta}$1.98±.34; $M_{\theta\phi}$-1.60±.08; $M_{\phi r}$-0.19±.22; Best double couple: NP1:ϕ_s190.00000°,δ47.00000°,λ-55.00000°. NP2:ϕ_s325.00000°,δ53.00000°,λ-121.00000°. Principal axes: T 6.0320,Plg4.0000°,Azm76.0000°; N -0.5440,Plg25.0000°,Azm345.0000°; P -5.4890,Plg65.0000°,Azm174.0000° $M_0$5.76100×10^{16}
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=17.6km s-min=10.8km az=5.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.45 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$4.97 $M_{r\theta}$-1.36 $M_{\theta\phi}$-2.03 $M_{\phi r}$-0.65 NP1:ϕ_s141.72000°,δ47.74000°,λ-119.39000°. NP2:ϕ_s1.66000°,δ49.85000°,λ-61.63000°. Principal axes: T 5.6446,Plg1.0000°,Azm72.0000°; N -0.6106,Plg21.0000°,Azm162.0000°; P -5.0340,Plg69.0000°,Azm339.0000° $M_0$5.37000×10^{16}
NEIC Event type se.
BGR Event type ke.
ISC IX 19 20 30 05.6–1.4 38.3N–.10 73.4E–.10 107 4.0b 17 4-68
IDC IX 19 20 30 05.7–5.6 38.28N 73.63E 115–45 3.6,3.4b **¶621113642**
NNC IX 19 20 30 09.4–5.8 38.73N 73.07E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=29.6km az=2.0.
NNC Event type se. Error ellipse: s-maj=44.5km s-min=32.0km az=165.0.
KRNET X 02 20 46 41.3–.10 39.48N 73.28E 12 3.4b
¶621117007
ISC X 03 06 19 56.9–.35 38.11N–.04 73.15E–.04 50 4.4b,3.9s 272 2-152
IDC X 03 06 19 50.2–.63 37.94N 73.11E 0 4.1b,4.1 **¶621117082**
MOS X 03 06 19 50.7–1.5 37.96N 73.05E 24 4.5b,4.1
BJI X 03 06 19 54.3 38.19N 73.27E 8 4.7b,4.4b
NNC X 03 06 19 55.8–2.5 38.25N 73.28E 0 4.8b,4.6
NEIC X 03 06 19 57.5–1.1 38.07N–.06 73.09E–.07 46–8 4.6b,4.6
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 09 06 10 49.8–.96 38.13N–.07 73.36E–.07 10 3.8b 32 5-81
SOME X 09 06 10 47.3 38.42N 72.52E 5 3.8b **¶621235308**
IDC X 09 06 10 47.0–1.3 37.88N 73.14E 0 4.4s,3.8b
NNC X 09 06 10 48.7–6.2 38.06N 73.28E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=24.0km az=23.0.
NNC Event type se. Error ellipse: s-maj=45.4km s-min=25.7km az=172.0.
ISC X 04 16 10 23.9–.37 38.23N–.04 74.08E–.04 152 4.3b 241 1-128
BJI X 04 16 10 24.5 38.25N 74.13E 161 4.0b **¶621118329**
IDC X 04 16 10 24.6–2.8 38.13N 74.17E 159–24 4.2,3.6b
MOS X 04 16 10 24.3–.89 38.20N 74.09E 168 4.5b,3.6b
NEIC X 04 16 10 25.7–.86 38.26N–.05 74.10E–.08 163–6 4.4b,3.6b
GFZ X 04 16 10 25.5–.21 38N–3.0 74E–3.0 186 5.2b,4.5
NNC X 04 16 10 28.3–5.2 38.44N 73.92E 190–61 4.3,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=11.7km az=32.0.
MOS Error ellipse: s-maj=8.0km s-min=4.0km az=83.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.4km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
NNC Event type se. Error ellipse: s-maj=60.0km s-min=31.3km az=4.0.
ISC X 17 21 03 11.2–.54 37.97N–.05 74.55E–.06 200 3.6b 69 4-83
IDC X 17 21 03 10.9–3.1 37.97N 74.70E 186–26 3.7,3.1b **¶624926196**
NEIC X 17 21 03 12.0–1.4 38.05N–.08 74.5E–.10 189–13 4.1b,3.1b
SOME X 17 21 03 13.7 39.35N 74.07E 10 4.1b,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=14.8km az=36.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=9.3km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC X 21 23 52 39.7–.65 38.24N–.04 73.38E–.04 10 3.8b,3.5s 68 4-77
NNC X 21 23 52 46.7–2.5 38.49N 73.29E 20–10 4.1b,3.7 **¶621261430**
SOME X 21 23 52 46.9 38.47N 73.57E 20 4.1b,3.7
IDC X 21 23 52 55.1–3.7 38.94N 73.64E 115–31 3.9,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.6km s-min=12.0km az=9.0.
IDC Error ellipse: s-maj=31.2km s-min=18.4km az=25.0.
ISC X 19 04 16 04.3–1.4 39.94N–.05 73.89E–.02 1–11 90 0-5
KRNET X 19 04 16 03.0–.10 39.87N 73.92E 10 3.5b **¶621211188**
ISU X 19 04 16 05 39.91N 73.95E 10 3.5b
SOME X 19 04 16 08.8 39.97N 73.77E 20 3.5b

NNC X 19 04 16 09.4–1.7 40.06N 73.84E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.8km s-min=6.4km az=176.0.
ISC X 21 17 46 13.5–.48 38.13N–.05 73.40E–.06 140 4.0b 82 2-84
IDC X 21 17 45 59.3–.81 37.99N 73.27E 0 3.9b,3.9 **¶621235960**
SOME X 21 17 46 03.0 38.28N 73.28E 5 3.9b,3.9
MOS X 21 17 46 04.5–1.3 38.19N 73.14E 50 4.3b,3.9
NNC X 21 17 46 05.1–2.0 38.24N 73.31E 3–8 4.6b,4.3
NEIC X 21 17 46 06.8–2.7 38.17N–.05 72.99E–.09 59–8 4.2b,4.3
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XI 01 15 36 53.8–.52 38.26N–.05 74.09E–.06 150 4.2b 68 2-81
IDC XI 01 15 36 50.5–5.3 38.10N 74.18E 113–42 3.8,3.5b **¶621401276**
NEIC XI 01 15 36 54.7–1.5 38.34N–.06 74.09E–.09 141–7 4.4b,3.5b
NNC XI 01 15 36 59.6–10 38.60N 73.35E 117–177 3.1,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=36.6km az=142.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.8km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=98.2km s-min=64.6km az=176.0.
ISC X 22 02 48 26.5–1.8 38.8N–.20 73.2E–.10 100 3.8b 21 4-73
NNC X 22 02 48 08.0–6.4 37.56N 72.99E 6–155 4.3b,3.9 **¶621309308**
IDC X 22 02 48 29.1–6.3 38.96N 73.26E 119–46 3.8,3.6s
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=175.2km s-min=29.6km az=166.0.
IDC Error ellipse: s-maj=54.9km s-min=21.8km az=3.0.
ISC X 27 12 49 55.1–1.6 39.76N–.06 73.02E–.04 20–5 20 0-3
KRNET X 27 12 49 56.4–.10 39.88N 72.81E 17 2.6b **¶622411716**
ISU X 27 12 49 58 39.91N 72.92E 15 2.6b
ISC Event type se.
ISC X 22 07 17 56.0–.67 38.22N–.04 73.61E–.05 10 54 4-40
SOME X 22 07 18 10.6 38.88N 73.62E 30 **¶621309316**
NNC X 22 07 18 16.6–2.9 38.70N 73.82E 221–35 3.3,2.1b
IDC X 22 07 18 18.2–7.8 38.77N 74.08E 187–46 3.9,3.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.2km s-min=18.3km az=1.0.
IDC Error ellipse: s-maj=76.9km s-min=50.3km az=16.0.
ISC XI 02 07 55 15.7–.91 38.54N–.05 73.37E–.05 10 3.9b 47 4-46
SOME XI 02 07 55 11.4 38.58N 72.85E 5 3.9b **¶621401333**
NNC XI 02 07 55 16.6–1.5 38.70N 72.97E 0 4.3b,3.9
IDC XI 02 07 55 20.0–1.7 38.92N 73.39E 0 3.8b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.7km s-min=6.6km az=1.0.
IDC Error ellipse: s-maj=25.1km s-min=16.3km az=131.0.
ISC XII 13 15 44 03.8–1.7 39.55N–.07 73.94E–.04 5–12 38 1-4
KRNET XII 13 15 44 03.5–.10 39.63N 74.05E 13 3.1b **¶622413110**
NNC XII 13 15 44 04.7–2.4 39.75N 73.83E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.2km s-min=10.4km az=162.0.
ISC XI 18 04 37 51.1–2.4 38.8N–.10 73.09E–.05 10 32 4-14
SOME XI 18 04 37 50.8 38.90N 73.07E 5 **¶624927289**
NNC XI 18 04 37 51.1–1.9 38.82N 73.06E 0 4.2b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.1km s-min=8.2km az=174.0.
ISC XI 22 00 49 17.3–1.2 39.55N–.06 73.60E–.03 10 81 0-7
SOME XI 22 00 49 13.5 39.58N 73.65E 15 **¶621428021**
NNC XI 22 00 49 16.9–2.4 39.71N 73.75E 0 3.8b,3.4
KRNET XI 22 00 49 16.8–.10 39.55N 73.61E 15 3.4b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.4km s-min=8.2km az=176.0.
ISC XI 22 20 31 23.0–3.1 38.7N–.20 74.53E–.09 10 26 4-6
SOME XI 22 20 31 20.0 39.00N 73.45E 0 **¶624927461**
NNC XI 22 20 31 22.3–4.4 38.70N 74.33E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.2km s-min=25.5km az=144.0.
ISC XII 16 14 07 11.9–.61 38.20N–.06 74.58E–.07 150 4.2b 64 3-79
IDC XII 16 14 06 51.4–3.7 37.17N 74.30E 0 3.9,3.8b **¶621655785**
NNC XII 16 14 07 06.1–10 37.97N 72.72E 0 4.2b,4.0
NEIC XII 16 14 07 13.2–1.3 38.42N–.05 74.25E–.10 136–9 4.4b,4.0
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

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ISC X 09 18 15 37.4–.88 35.36N–.06 74.01E–.09 28 44 3-28
IDC X 09 18 15 36.0–4.7 35.47N 73.93E 0 3.9,3.7b **¶621235340**
ISC Event type se.
IDC Error ellipse: s-maj=90.6km s-min=28.2km az=73.0.
ISC IX 18 04 44 27.3–.55 36.25N–.05 73.68E–.06 150 3.7b 73 3-82
IDC IX 18 04 44 26.2–4.3 36.42N 73.26E 97–35 4.0,3.7s **¶621082847**
NNC IX 18 04 44 36.1–3.4 37.13N 73.20E 195–24 4.6,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=13.5km az=12.0.
NNC Event type se. Error ellipse: s-maj=31.7km s-min=17.3km az=24.0.
ISC X 24 05 59 11.8–.48 35.58N–.05 74.50E–.05 36 3.9b 86 2-81
IDC X 24 05 59 05.9–.82 35.40N 74.40E 0 3.9b,3.9 **¶621366377**
NEIC X 24 05 59 14.4–.82 35.65N–.07 74.50E–.04 61–9 4.1b,3.9
NNC X 24 05 59 15.4–4.4 35.68N 74.13E 50–56 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=14.2km az=33.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=3.5km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=37.3km s-min=32.4km az=153.0.
ISC XII 27 13 31 05.8–.38 35.54N–.02 74.90E–.02 20–1 5.2b,5.0s 1181 2-152
BGR XII 27 13 30 43.5 33.35N 77.71E 33 5.3b,4.9s **¶621654218**
MOS XII 27 13 31 02.6–1.1 35.51N 74.88E 8 5.4b,5.2s
IDC XII 27 13 31 02.9–.41 35.48N 74.86E 0 5.0,4.9b
NEIC XII 27 13 31 04.4–1.2 35.56N–.03 74.82E–.09 10–1 5.3b,5.2
NNC XII 27 13 31 04.7–1.5 35.52N 74.57E 0 5.5b,5.4
GFZ XII 27 13 31 05.3–.21 35N–2.0 75E–2.0 12–1 5.8L,5.8b
GFZ XII 27 13 31 05.3 35.42N 74.88E 12 5.1W,5.8b
GCMT XII 27 13 31 06.9–.10 35.58N–.01 74.91E–.01 30–0 5.3W,5.8b
BJI XII 27 13 31 11.6 35.63N 75.58E 40 5.5L,5.5b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.9km s-min=3.0km az=105.2.
IDC Error ellipse: s-maj=10.7km s-min=9.6km az=31.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=4.2km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=15.1km s-min=12.8km az=4.0.
GFZ Error ellipse: s-maj=4.7km s-min=3.8km az=18.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GFZ smi:org.gfz-potsdam.de/geofon/FocalMechanism. earthModelID smi:org.gfz-potsdam.de/geofon/gemini-prem. hypocenter. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.59 $M_{\theta\theta}$-3.42 $M_{\phi\phi}$6.01 $M_{r\theta}$-1.37 $M_{\theta r}$-2.19 $M_{\phi r}$-0.28 NP1: ϕ_s127.41685°,δ67.79001°,λ-155.65972°. NP2:ϕ_s27.71343°,δ67.56872°,λ-24.13850°. Principal axes: T 6.4925,Plg0.1447°,Azm257.5268°; N -1.6999,Plg57.5130°,Azm167.2995° ; P -4.7926,Plg32.4866°,Azm347.6190° $M_0$5.83144×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ID: C202112271331A. Moment Tensor Solution. s74,c99; s132,c231; Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32±.02 $M_{\theta\theta}$-0.73±.02; $M_{\phi\phi}$1.06±.02; $M_{r\theta}$-0.42±.03; $M_{\theta\phi}$-0.27±.01; $M_{\phi r}$-0.47±.03; Best double couple: NP1:ϕ_s130.00000° ,δ54.00000°,λ-165.00000°. NP2:ϕ_s31.00000°,δ78.00000°,λ-37.00000°. Principal axes: T 1.2170,Plg16.0000°,Azm86.0000°; N -0.1030,Plg51.0000°,Azm196.0000° ; P -1.1080,Plg34.0000°,Azm344.0000° $M_0$1.16200×10^{17}

ISC XI 03 00 27 03.8–1.5 35.7N–.10 73.6E–.20 37 20 7-27
IDC XI 03 00 26 56.8–5.3 35.28N 73.48E 0 3.6b,3.6 **¶621412204**
NNC XI 03 00 27 12.3–7.3 36.39N 73.19E 0 3.6b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=69.2km s-min=42.1km az=24.0.
NNC Event type se. Error ellipse: s-maj=76.4km s-min=45.1km az=4.0.
ISC XII 27 13 37 24.3–.60 35.52N–.03 74.93E–.04 16–3 4.7b,4.5s 457 2-152
IDC XII 27 13 37 21.8–.54 35.49N 74.88E 0 4.6,4.5b **¶621654220**
MOS XII 27 13 37 22.0–1.0 35.57N 74.94E 10 4.9b,4.5b
GFZ XII 27 13 37 23.2–.26 35N–3.0 75E–2.0 11–1 5.9b,5.5
NEIC XII 27 13 37 24.0–.81 35.61N–.07 75.0E–.10 10–1 4.8b,5.5
NNC XII 27 13 37 25.1–3.6 35.61N 74.74E 0 5.0,4.8b
BJI XII 27 13 37 27.8 35.38N 75.11E 46 5.4b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=12.0km az=47.0.
MOS Error ellipse: s-maj=7.5km s-min=4.9km az=110.1.
GFZ Error ellipse: s-maj=6.5km s-min=5.3km az=6.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.1km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=38.6km s-min=25.7km az=11.0.
ISC XII 28 02 02 35.4–1.3 35.0N–.10 74.4E–.20 34 3.8b,3.5s 15 8-47
IDC XII 28 02 02 32.0–1.7 35.14N 74.33E 0 4.0b,3.8 **¶621717355**
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=22.9km az=56.0.
ISC XII 28 02 16 09.0–1.2 35.3N–.10 74.9E–.20 25 3.7b 27 7-79
IDC XII 28 02 16 05.1–1.4 35.29N 74.61E 0 3.9b,3.7 **¶621717357**
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=18.7km az=59.0.
ISC XII 30 12 24 45.0–.47 35.51N–.03 74.97E–.05 25 4.0b,3.0s 87 2-82
IDC XII 30 12 24 41.6–.75 35.48N 74.90E 0 4.1b,4.1 **¶621726006**
NEIC XII 30 12 24 43.7–2.4 35.53N–.06 74.92E–.10 10–1 4.1b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 27 19 48 21.5–1.2 35.3N–.10 74.5E–.20 34 4.1s,3.7b 23 7-97
IDC XII 27 19 48 17.8–1.8 35.26N 74.28E 0 4.1s,3.7b **¶621717335**
NNC XII 27 19 48 23.2–7.1 36.07N 75.47E 0 3.9,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=21.5km az=49.0.
NNC Event type se. Error ellipse: s-maj=97.4km s-min=67.8km az=64.0.

SEISMIC REGION 49.
Northern Eurasia.

(721) Finland.

LVSN IX 07 12 06 46.5–.46 60.23N 24.42E 0–2 1.3L
¶635706684
LVSN Event type se. Error ellipse: s-maj=2.0km s-min=4.1km az=-1.0. Presumed earthquake.
ISC IX 16 07 30 23.7–1.2 63.92N–.06 28.04E–.07 10 8 1-9
IDC IX 16 07 30 24.4–2.3 63.91N 28.14E 0 2.6,1.6L **¶621112875**
ISC Event type se.
IDC Error ellipse: s-maj=44.9km s-min=13.7km az=97.0.
IDC IX 27 09 13 46.6–389 64.10N 25.23E 0
¶621140700
IDC Error ellipse: s-maj=171.1km s-min=108.9km az=157.0.
IDC X 19 07 12 52.3–384 64.29N 24.79E 0
¶621244067
IDC Error ellipse: s-maj=170.3km s-min=103.4km az=159.0.
IDC XI 08 12 22 13.8–356 64.30N 24.39E 0
¶621423097
IDC Error ellipse: s-maj=148.6km s-min=98.7km az=161.0.

(724) Baltic States-Belarus-Northwestern Russia.

IDC VII 01 12 03 43.0–511 53.10N 32.86E 0
¶620927667
IDC Error ellipse: s-maj=188.1km s-min=93.9km az=30.0.
IDC VII 05 15 59 40.5–413 57.11N 33.28E 0
¶620927968
IDC Error ellipse: s-maj=152.9km s-min=47.5km az=98.0.
IDC VII 05 16 13 29.5–947 56.81N 40.69E 0
¶620927971
IDC Error ellipse: s-maj=334.7km s-min=43.7km az=89.0.
IDC VII 06 10 52 05.7–349 53.29N 33.07E 0
¶620928027
IDC Error ellipse: s-maj=138.3km s-min=90.0km az=27.0.
IDC VII 06 11 44 14.1–361 52.62N 32.17E 0
¶620928029
IDC Error ellipse: s-maj=138.8km s-min=105.5km az=31.0.
IDC VII 08 10 01 18.6–5.4 51.34N 37.19E 0 3.6,3.0L
¶620928175
IDC Error ellipse: s-maj=85.2km s-min=38.2km az=94.0.
IDC VII 13 06 37 53.1–4.6 62.13N 33.99E 0 2.6,1.8L
¶620928520
IDC Error ellipse: s-maj=43.7km s-min=18.9km az=130.0.
IDC VII 14 08 28 50.0–946 56.93N 41.32E 0
¶620928581
IDC Error ellipse: s-maj=357.7km s-min=54.3km az=87.0.
IDC VII 16 13 35 30.8–497 56.79N 40.27E 0
¶620928664
IDC Error ellipse: s-maj=172.4km s-min=39.0km az=89.0.
IDC VII 19 17 37 30.0–999 54.48N 41.02E 0
¶620928883
IDC Error ellipse: s-maj=427.8km s-min=84.5km az=137.0.
IDC VII 23 17 02 13.6–437 57.54N 29.05E 0
¶620967931
IDC Error ellipse: s-maj=157.5km s-min=93.5km az=96.0.
IDC VII 27 15 04 31.5–500 67.56N 38.11E 0
¶620978966
IDC Error ellipse: s-maj=192.8km s-min=146.8km az=97.0.
IDC VII 29 10 21 21.9–435 58.32N 29.42E 0
¶620984095
IDC Error ellipse: s-maj=155.6km s-min=98.9km az=108.0.
IDC VII 27 06 50 39.3–362 52.54N 32.37E 0
¶620978946
IDC Error ellipse: s-maj=138.4km s-min=106.0km az=29.0.
IDC VII 30 10 49 10.1–438 57.60N 28.69E 0
¶620986061
IDC Error ellipse: s-maj=158.9km s-min=98.4km az=95.0.
IDC VII 30 09 00 21.6–4.4 52.44N 34.85E 0 3.4,2.6L
¶620986053
IDC Error ellipse: s-maj=57.3km s-min=18.4km az=127.0.
IDC VII 30 15 15 16.5–429 57.65N 29.48E 0
¶620986074
IDC Error ellipse: s-maj=154.3km s-min=89.8km az=98.0.
IDC VII 30 13 15 35.8–436 57.90N 29.16E 0
¶620986069
IDC Error ellipse: s-maj=155.5km s-min=104.5km az=101.0.
IDC VIII 03 15 06 10.9–447 54.40N 41.71E 0
¶620995882
IDC Error ellipse: s-maj=170.9km s-min=72.2km az=134.0.
IDC VIII 02 01 00 17.8–2.2 50.96N 32.06E 0 3.3,2.6L
¶620993191
IDC Error ellipse: s-maj=21.1km s-min=19.4km az=82.0.
IDC VIII 03 17 37 34.7–473 54.38N 41.65E 0
¶620995885
IDC Error ellipse: s-maj=179.1km s-min=74.2km az=136.0.
IDC VIII 04 07 08 54.4–918 56.89N 41.09E 0
¶620997290
IDC Error ellipse: s-maj=337.9km s-min=52.1km az=88.0.

IDC VIII 11 18 17 47.0–999 54.91N 40.93E 0 ¶621009346

IDC Error ellipse: s-maj=400.2km s-min=62.1km az=132.0.
IDC VIII 14 09 00 49.3–4.2 61.51N 34.49E 0 3.1,1.5L ¶621013469

IDC Error ellipse: s-maj=35.7km s-min=20.9km az=130.0.
IDC VIII 20 13 35 58.6–437 56.99N 41.37E 0 ¶621041284

IDC Error ellipse: s-maj=164.2km s-min=54.3km az=85.0.
IDC VIII 22 09 03 03.1–923 56.93N 42.06E 0 ¶621043071

IDC Error ellipse: s-maj=354.7km s-min=58.8km az=89.0.
IDC VIII 28 14 51 55.4–936 56.83N 41.07E 0 ¶621073115

IDC Error ellipse: s-maj=344.6km s-min=48.3km az=89.0.
IDC VIII 24 09 23 09.0–4.9 61.45N 35.07E 0 2.9,2.1L ¶621049310

IDC Error ellipse: s-maj=52.7km s-min=23.4km az=153.0.
IDC VIII 27 14 51 21.9–438 50.92N 47.03E 0 ¶621072159

IDC Error ellipse: s-maj=200.0km s-min=134.8km az=54.0.
IDC VIII 28 07 57 14.4–915 56.88N 41.05E 0 ¶621073096

IDC Error ellipse: s-maj=335.4km s-min=47.8km az=88.0.
IDC VIII 30 09 04 50.2–2.8 52.39N 35.22E 0 3.4b,3.4 ¶621076504

IDC Error ellipse: s-maj=39.8km s-min=15.0km az=132.0.
IDC VIII 30 10 18 23.5–4.2 52.32N 35.50E 0 3.7,2.6L ¶621076509

IDC Error ellipse: s-maj=51.7km s-min=19.0km az=131.0.
IDC IX 02 16 58 08.5–337 54.14N 42.57E 0 ¶621080695

IDC Error ellipse: s-maj=144.3km s-min=79.1km az=137.0.
IDC IX 02 11 02 35.9–4.6 61.88N 31.10E 0 2.9,2.0L ¶621080680

IDC Error ellipse: s-maj=48.8km s-min=20.3km az=120.0.
IDC IX 07 12 54 24.1–463 54.15N 42.62E 0 ¶621094325

IDC Error ellipse: s-maj=175.0km s-min=80.7km az=131.0.
IDC IX 09 20 02 56.6–397 62.77N 41.00E 0 ¶621105903

IDC Error ellipse: s-maj=188.7km s-min=127.5km az=25.0.
IDC IX 10 08 01 25.1–494 52.62N 33.18E 0 ¶621108491

IDC Error ellipse: s-maj=202.0km s-min=95.3km az=26.0.
IDC IX 13 13 09 32.2–323 56.38N 44.32E 0 ¶621109710

IDC Error ellipse: s-maj=128.8km s-min=81.8km az=103.0.
IDC IX 22 13 52 31.0–407 51.01N 47.42E 0 ¶621118152

IDC Error ellipse: s-maj=155.0km s-min=126.5km az=99.0.
IDC IX 29 09 00 25.1–3.0 52.32N 35.68E 0 3.7,2.8L ¶621146362

IDC Error ellipse: s-maj=34.9km s-min=11.8km az=127.0.
IDC IX 29 12 52 13.7–349 53.87N 42.61E 0 ¶621146376

IDC Error ellipse: s-maj=150.1km s-min=86.2km az=139.0.
IDC IX 29 13 26 32.3–887 51.90N 32.71E 0 ¶621146378

IDC Error ellipse: s-maj=366.2km s-min=115.8km az=34.0.
IDC IX 29 15 52 17.8–880 52.01N 32.72E 0 ¶621146383

IDC Error ellipse: s-maj=362.1km s-min=113.7km az=34.0.
IDC X 05 13 18 50.2–782 67.68N 39.15E 0 ¶621203174

IDC Error ellipse: s-maj=348.7km s-min=181.3km az=156.0.
IDC X 01 13 47 52.2–999 56.80N 36.67E 0 ¶621147831

IDC Error ellipse: s-maj=1063.0km s-min=7.7km az=103.0.
IDC X 05 16 32 39.8–451 53.13N 33.62E 0 ¶621203179

IDC Error ellipse: s-maj=180.5km s-min=89.2km az=29.0.
IDC X 06 15 04 48.0–544 57.66N 31.02E 0 ¶621217155

IDC Error ellipse: s-maj=201.9km s-min=75.6km az=102.0.
IDC X 08 12 23 01.6–796 54.66N 34.70E 0 ¶621224655

IDC Error ellipse: s-maj=325.3km s-min=55.5km az=35.0.
IDC X 07 10 24 42.2–406 50.97N 46.96E 0 ¶621217210

IDC Error ellipse: s-maj=152.7km s-min=128.7km az=107.0.
IDC X 08 10 23 19.6–762 54.30N 34.51E 0 ¶621224645

IDC Error ellipse: s-maj=312.4km s-min=63.4km az=33.0.
IDC X 08 10 56 50.8–820 53.20N 33.83E 0 ¶621224649

IDC Error ellipse: s-maj=333.5km s-min=89.0km az=31.0.
IDC X 12 09 43 53.2–999 57.32N 32.75E 0 ¶621236940

IDC Error ellipse: s-maj=1101.0km s-min=59.1km az=102.0.
KOGSR X 12 04 45 47.7 67.82N 33.78E 0 1.9L ¶635806543

KOGSR Error ellipse: s-maj=4.0km s-min=2.2km az=140.0. Khibiny Massif.
IDC X 08 18 26 52.5–815 53.37N 33.99E 0 ¶621224672

IDC Error ellipse: s-maj=330.8km s-min=85.7km az=31.0.
IDC X 12 07 36 06.8–999 56.57N 23.28E 0 ¶621236929

IDC Error ellipse: s-maj=1923.0km s-min=156.4km az=83.0.
IDC X 12 10 23 06.7–352 62.96N 46.10E 0 ¶621236942

IDC Error ellipse: s-maj=170.7km s-min=127.3km az=27.0.
IDC X 12 11 18 28.8–999 51.10N 49.49E 0 ¶621236946

IDC Error ellipse: s-maj=996.7km s-min=123.1km az=92.0.
IDC X 13 13 38 15.6–2.4 59.79N 22.22E 0 2.9,2.4L ¶621238975

IDC Error ellipse: s-maj=31.5km s-min=12.5km az=161.0.
IDC X 13 13 38 34.4–2.5 59.70N 22.25E 0 3.2,2.6L ¶621238978

IDC Error ellipse: s-maj=32.9km s-min=12.8km az=161.0.
IDC X 14 12 39 58.6–630 66.60N 44.36E 0 ¶621240640

IDC Error ellipse: s-maj=289.1km s-min=193.9km az=70.0.
IDC X 13 11 01 44.8–323 56.46N 44.12E 0 ¶621238965

IDC Error ellipse: s-maj=127.5km s-min=79.7km az=102.0.
IDC X 13 11 53 16.3–2.9 50.29N 27.45E 0 3.5,2.6L ¶621238970

IDC Error ellipse: s-maj=28.5km s-min=16.4km az=38.0.
IDC X 18 09 54 44.6–414 51.53N 48.11E 0 ¶621244025

IDC Error ellipse: s-maj=156.7km s-min=114.2km az=108.0.
IDC X 17 12 11 05.5–313 57.19N 43.42E 0 ¶621242885

IDC Error ellipse: s-maj=120.0km s-min=70.9km az=87.0.
IDC X 15 09 22 43.8–356 52.48N 44.01E 0 ¶621242051

IDC Error ellipse: s-maj=149.3km s-min=109.4km az=142.0.
IDC X 19 08 05 01.3–314 57.16N 42.91E 0 ¶621244069

IDC Error ellipse: s-maj=120.6km s-min=65.3km az=86.0.
IDC X 26 09 28 52.4–777 52.99N 34.74E 0 ¶621366468

IDC Error ellipse: s-maj=315.8km s-min=97.8km az=25.0.
IDC X 27 10 44 42.9–314 56.99N 42.98E 0 ¶621385458

IDC Error ellipse: s-maj=121.9km s-min=68.5km az=90.0.
IDC X 27 18 10 39.4–717 52.85N 34.70E 0 ¶621385473

IDC Error ellipse: s-maj=296.4km s-min=95.5km az=25.0.
IDC XI 11 17 24 31.7–803 52.78N 34.05E 0 ¶621449533

IDC Error ellipse: s-maj=328.3km s-min=105.8km az=29.0.
IDC XI 11 14 35 17.6–635 62.30N 34.82E 0 ¶621449531

IDC Error ellipse: s-maj=299.5km s-min=117.0km az=155.0.
IDC XI 16 09 08 13.4–558 57.16N 32.54E 0 ¶621475671

IDC Error ellipse: s-maj=216.6km s-min=60.2km az=97.0.
IDC XI 16 12 52 30.6–354 53.76N 43.28E 0 ¶621475680

IDC Error ellipse: s-maj=152.2km s-min=90.6km az=137.0.
ISC XI 22 18 59 47.1–1.4 53.22N–.05 27.52E–.07 17–13 31 1-5
MCSM XI 22 18 59 51.1–.80 53N–6.0 28E–3.0 15–5 2.7 ¶626596739
ISC Event type se.
IDC XI 24 07 40 14.6–314 56.83N 42.87E 0 ¶621613968

IDC Error ellipse: s-maj=123.0km s-min=65.2km az=92.0.
IDC XI 25 01 21 02.7–596 61.79N 46.99E 0 ¶621618676

IDC Error ellipse: s-maj=259.4km s-min=195.3km az=82.0.
IDC XI 24 10 19 21.2–422 67.26N 40.79E 0 ¶621613972

IDC Error ellipse: s-maj=170.8km s-min=155.6km az=147.0.
KOGSR XII 03 17 00 01.3 67.66N 33.75E 0 1.5L ¶625346437

KOGSR Error ellipse: s-maj=1.5km s-min=1.1km az=170.0. Khibiny, mines Kirovsk, Yukspor.
IDC XII 05 07 17 54.1–314 57.06N 42.74E 0 ¶621631236

IDC Error ellipse: s-maj=122.0km s-min=66.5km az=88.0.
IDC XII 08 10 34 55.2–999 57.36N 30.77E 0 ¶621634698

IDC Error ellipse: s-maj=1232.0km s-min=81.8km az=97.0.
MCSM XII 07 14 45 28.4–1.0 52N–6.0 33E–5.0 11–7 3.5 ¶626593706

IDC XII 10 07 18 08.0–893 52.02N 54.67E 0 ¶621644108

IDC Error ellipse: s-maj=381.7km s-min=59.6km az=124.0.
KOGSR XII 13 13 25 21.4 67.66N 33.77E 0 1.0L ¶636235729

KOGSR Error ellipse: s-maj=1.9km s-min=1.4km az=150.0. Khibiny, mines Kirovsk, Yukspor.
ISC XII 14 07 11 20.7–1.1 67.63N–.06 33.79E–.05 10 18 0-12
IDC XII 14 07 11 20.9–2.6 67.66N 34.09E 0 3.7,2.6L ¶621652893
KOGSR XII 14 07 11 20.9 67.66N 33.75E 0 1.9L,2.6L
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=12.7km az=89.0.
KOGSR Error ellipse: s-maj=2.1km s-min=1.7km az=140.0. Khibiny, mines Kirovsk, Yukspor.
IDC XII 21 08 53 42.6–999 51.87N 42.69E 0 ¶621685674

IDC Error ellipse: s-maj=1222.0km s-min=208.7km az=87.0.
IDC XII 22 12 28 52.2–492 57.89N 30.81E 0 ¶621686768

IDC Error ellipse: s-maj=191.6km s-min=84.1km az=104.0.
IDC XII 21 13 18 57.1–839 50.65N 32.30E 0 ¶621685687

IDC Error ellipse: s-maj=359.5km s-min=121.9km az=25.0.
IDC XII 21 09 35 30.4–395 51.54N 47.58E 0 ¶621685675

IDC Error ellipse: s-maj=154.4km s-min=133.8km az=117.0.
IDC XII 23 10 17 53.4–534 57.53N 32.19E 0 ¶621686819

IDC Error ellipse: s-maj=205.3km s-min=70.0km az=103.0.
IDC XII 24 11 59 14.3–300 57.24N 43.06E 0 ¶621700082

IDC Error ellipse: s-maj=114.7km s-min=67.6km az=85.0.
KOGSR XII 28 13 23 07.2 67.66N 33.77E 0 1.1L ¶625346831

KOGSR Error ellipse: s-maj=1.2km s-min=0.7km az=150.0. Khibiny, mines Kirovsk, Yukspor.
IDC XII 27 19 03 27.8–336 62.62N 43.63E 0 ¶621717333

IDC Error ellipse: s-maj=151.7km s-min=128.3km az=17.0.
IDC XII 29 09 00 10.5–4.1 52.35N 35.30E 0 3.8,2.7L ¶621724194

IDC Error ellipse: s-maj=50.3km s-min=18.8km az=131.0.
IDC XII 29 11 36 43.3–313 56.94N 43.28E 0 ¶621724209

IDC Error ellipse: s-maj=121.5km s-min=71.9km az=92.0.
IDC XII 29 10 00 06.5–3.9 52.30N 35.48E 0 3.8,3.1L ¶621724204

IDC Error ellipse: s-maj=47.3km s-min=18.7km az=131.0.
IDC XII 31 11 40 08.4–302 56.69N 42.46E 0 ¶621726057

IDC Error ellipse: s-maj=120.0km s-min=63.4km az=95.0.
IDC XII 30 10 00 48.8–1.3 51.36N 37.78E 0 3.5,3.1L ¶621726001

IDC Error ellipse: s-maj=16.6km s-min=12.2km az=61.0.

(725) Northwestern Siberia.

ISC XI 06 02 12 21.6–.71 64.93N–.06 80.59E–.09 10 3.7b 19 5-86
IDC XI 06 02 12 22.3–.89 65.10N 80.93E 0 3.7b,3.6 ¶621370657
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=13.3km az=106.0.

(726) Northern and central Siberia.

IDC VII 07 08 45 17.2–9.3 69.53N 88.37E 0 ¶620928100

IDC Error ellipse: s-maj=59.1km s-min=19.7km az=57.0.
ISC VII 22 18 34 42.9–.54 72.33N–.07 125.24E–.07 10 3.8b,2.9s 42 1-92
IDC VII 22 18 34 40.6–.70 72.39N 125.11E 0 4.6L,3.7b ¶620845233
MOS VII 22 18 34 42.7–1.3 72.46N 125.26E 11 4.1b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=11.4km az=50.0.
MOS Error ellipse: s-maj=31.8km s-min=10.3km az=94.9.
YARS VII 07 03 16 09.8 72.40N 125.20E 10 3.5L ¶625387731

ISC VIII 22 18 39 26.1–.49 72.31N–.06 125.30E–.04 10 3.9b,2.8s 64 1-92
IDC VIII 22 18 39 24.7–.60 72.38N 125.19E 0 3.9L,3.8b ¶621043111
NEIC VIII 22 18 39 26.8–1.8 72.3N–.10 125.3E–.20 10–1 4.2b,3.8b
YARS VIII 22 18 39 26.7 72.54N 125.76E 24 3.3L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=10.0km az=26.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=9.0km az=343.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
YARS IX 18 06 46 33.5 72.47N 123.97E 5 5.1b,2.9L ¶625388112

YARS XII 06 08 43 02.7 70.91N 114.13E 2 5.3b,3.2L ¶625388378

ISC IX 25 02 56 06.6–.28 70.19N–.03 129.89E–.03 10 4.6b,3.4s 410 1-167
IDC IX 25 02 56 05.5–.40 70.34N 130.02E 0 4.3L,4.2b ¶621109881
NEIC IX 25 02 56 06.5–1.1 70.15N–.07 129.8E–.30 10–1 4.7b,4.2b

MOS IX 25 02 56 06.1–.87 70.28N 129.94E 14 4.6b,4.2b
YARS IX 25 02 56 06.0 70.21N 129.52E 10 4.2L,4.2b
FCIAR IX 25 02 56 08.0 69.66N 128.49E 10 4.2L,4.2b
GFZ IX 25 02 56 09.1–.40 70N–8.0 129E–5.0 10 5.7b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GFZ smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. automatic.
ISC XII 22 18 41 39.6–.56 72.45N–.07 125.43E–.06 10 3.8b 42 1-73
IDC XII 22 18 41 39.2–.90 72.56N 125.42E 0 4.0L,3.7 **¶621686785**
NEIC XII 22 18 41 39.4–2.4 72.46N–.09 125.5E–.20 10–1 4.2b,3.7
YARS XII 22 18 41 40.5 72.40N 125.05E 17 3.6L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=14.5km az=28.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=6.0km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC XII 22 20 16 27.9–.67 72.42N–.10 125.29E–.07 10 3.6b 21 1-92
IDC XII 22 20 16 26.8–.87 72.34N 125.07E 0 3.7b,3.7 **¶621686787**
YARS XII 22 20 16 26.1 72.50N 124.81E 7 3.4L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=15.8km az=17.0.
ISC XII 30 06 59 28.0–.42 72.25N–.06 124.97E–.04 10 4.0b 86 1-87
YARS XII 30 06 59 26.9 72.43N 125.05E 25 3.6L **¶621725994**
IDC XII 30 06 59 27.8–.65 72.42N 125.21E 0 3.8L,3.8b
NEIC XII 30 06 59 28.4–1.1 72.41N–.09 124.8E–.20 10–1 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SEISMIC REGION 50.
Antarctica.

(729) Antarctica.
AWI IX 18 17 57 06.6–.89 70.49S 8.97W 10
¶621083280
AWI Error ellipse: s-maj=16.0km s-min=3.7km az=332.2. ANTARCTICA.
AWI IX 19 03 19 00.3–1.5 70.20S 8.55W 10
¶621086485
AWI Error ellipse: s-maj=22.3km s-min=3.9km az=0.1. ANTARCTICA.
ISC XI 19 08 02 35.0–1.1 79.32S–.10 159.9E–.30 10 3.9b 7 2-147
IDC XI 19 08 02 34.1–1.5 79.31S 158.46E 0 3.7b,3.7 **¶621590268**
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=16.8km az=114.0.

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION NAME WITH BASIC PARAMETERS

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
	MAYK	Turkey,Turkey	38.7340N	40.3624E	1127	
	MBOZ	Turkey,Turkey	40.0560N	38.6528E	1495	
	MDIV	Turkey,Turkey	39.3211N	38.0446E	1191	
100 Mile House	HM-BC	British Columbia,Canada	51.6550N	121.4756W	1128	From 1962-07-26 to 1962-10-05
1031 Sheenboro Crescent, Ottawa	OT001	Ontario,Canada	45.4788N	75.4745W	88	From 2001-11-15
10 DE AGOSTO	AGOS	Ecuador	0.1278S	80.0708W	31	From 2016-05-12
1514 Bourcier, Ottawa	OT002	Ontario,Canada	45.4742N	75.5019W	84	From 2005-03-24
16, Winslow Court, Ottawa	OT004	Ontario,Canada	45.3644N	75.7746W	78	From 2005-03-24
2758 Massicotte Lane, Ottawa	OT008	Ontario,Canada	45.3496N	75.6418W	80	From 2005-06-29
29 km south-west of Seddon	GLOS	South Island	41.8573S	173.8218E	725	From 2017-09-06
29 Palms	TN-	California,U.S.A.	34.1983N	115.9500W	533	From 1962-02-01 to 1962-05-03
33rd St Richmond	C024	California,U.S.A.	37.9433N	122.3358W	25	From 2009-08-25
413	BUK	Nevada,U.S.A.	37.0505N	116.1890W	1490	From 1965-01-01 to 1970-12-31
416	LWN	Nevada,U.S.A.	36.6183N	116.3930W	808	From 1970-01-01 to 1999-08-25
42nd Avenue Oakland	C061	California,U.S.A.	37.7779N	122.2097W	18	From 2012-04-12
4D Ranch, Culbertson	O29A	Nebraska,U.S.A.	40.1253N	100.7977W	826	From 2009-05-27 to 2011-04-04
4UR Ranch, Creede	S22A	Colorado,U.S.A.	37.7461N	106.8293W	2626	From 2008-06-15
5 Glenshane	B5GA	Barbados	13.0670N	59.5955W	35	
5 Mile Ranch, Herman	F33A	Minnesota,U.S.A.	45.8398N	96.2929W	313	From 2010-08-22 to 2012-06-07
7 Observatory Cres., Ottawa	OT012	Ontario,Canada	45.3942N	75.7167W	77	From 2001-09-24
959, Brant, Ottawa	OT006	Ontario,Canada	45.4292N	75.6500W	68	From 2006-03-03
9 Mile Ranch, Kaycee	I22A	Wyoming,U.S.A.	43.8924N	106.4840W	1430	From 2008-10-08 to 2010-09-07
A01	A01	Germany	52.2580N	7.3360E	47	
A02	A02	Germany	52.4220N	7.9350E	90	
A04	A04	Germany	52.1880N	8.0810E	140	
A05	A05	Germany	51.9490N	8.6840E	250	
A06	A06	Germany	51.6830N	7.4410E	65	
A07	A07	Germany	51.6960N	8.0100E	85	
A08	A08	Germany	51.6790N	8.9620E	340	
A09	A09	Germany	51.4920N	8.0640E	235	
A10E	A10E	Germany	51.4940N	8.4530E	360	
A11E	A11E	Germany	51.3000N	7.4140E	270	
A12	A12	Germany	51.2450N	7.1990E	325	
A13	A13	Germany	51.1310N	7.1350E	165	
A14	A14	Germany	50.9470N	7.4210E	350	
A15	A15	Germany	50.7500N	7.4490E	155	
A16E	A16E	Germany	50.8460N	6.8920E	100	
A17	A17	Germany	50.7680N	6.7230E	130	
A18	A18	Germany	50.5640N	8.0860E	370	
A19	A19	Germany	50.6050N	7.8100E	415	
A20	A20	Germany	50.7020N	8.2260E	380	
A21E	A21E	Germany	50.7750N	8.0400E	330	
A33	A33	Germany	51.9510N	7.4070E	165	
A50	A50	Germany	51.2180N	7.9930E	540	
A51	A51	Germany	51.1130N	7.8890E	300	
A52	A52	Germany	50.9770N	7.7550E	510	
A53	A53	Germany	50.8740N	7.6380E	390	
A54E	A54E	Germany	50.7240N	7.5550E	320	
A70	A70	Germany	50.8390N	6.8850E	115	
A71	A71	Germany	51.0360N	6.4320E	-300	
A72	A72	Germany	51.0050N	6.8200E	-300	
A80	A80	Germany	50.7410N	8.6390E	230	
A82	A82	Germany	51.0510N	9.1760E	225	
A83	A83	Germany	51.4260N	9.6840E	200	
A84	A84	Germany	51.5460N	9.9660E	270	
A85	A85	Germany	50.9160N	8.9430E	220	
Aachen	AAC	Nordrhein-Westfalen,Germany	50.7833N	6.0833E	179	
Aachen	BA01	Nordrhein-Westfalen,Germany	50.7789N	6.0614E	216	From 2006-10-01
Aachen, Dom	ACN	Nordrhein-Westfalen	50.7746N	6.0839E	168	From 2012-11-01
jtikos	HU11A	Hungary	47.9245N	21.1677E	156	From 2022-10-26
Aaknes	AKN	Norway	62.1783N	6.9974E	508	From 2009-11-01
Aarau, neue Kantonsschule, AG	SAARA	Switzerland	47.3861N	8.0438E	407	From 2018-07-30
Aasiaat, Greenland	ASIG	Greenland	68.7060N	52.8710W	60	From 2004-05-11
Abakan	ABNR	Krasnoyarskiy Kray,Russia	53.7250N	91.4350E	125	From 2003-10-29
Abakiliki	ABAKI	Nigeria	6.3909N	8.0246E	82	
Abala	ABAE	Ethiopia	13.3535N	39.7635E	1447	
Abant	ABT	Turkey	40.6058N	31.3208E	1794	From 1991-01-01 to 1993-10-01
Abaselama	ABSE	Eritrea	14.8847N	39.3272E	2392	
Abashiri	ABJ	Abashiri,Japan	44.0150N	144.2830E	38	
Abashiri 2	ABJ2	Abashiri,Japan	43.8417N	143.8700E	180	From 1994-02-10 to 2001-08-03
Abashiri-tokoro	JABT	Abashiri	44.1186N	144.0856E	74	From 2021-11-12
Abashiri--Tokoro	JTKR	Abashiri,Japan	43.9707N	143.9082E	42	
Abastumani	ABS	Georgia,Georgia	41.7555N	42.8134E	1590	From 1940-01-01
Abaujker	ABAH	Hungary	48.2961N	21.2397E	198	From 2016-10-12
Abbadia di Fiastra (Tolentino)	T0402	Italy	43.2213N	13.4063E	212	
Abbadia San Salvatore	AMT3	Italy	42.8695N	11.6411E	1169	From 2017-01-01
Abbadia San Salvatore	AMT2	Italy	42.8677N	11.6574E	1044	From 2017-01-01
Abbadia San Salvatore	AMT1	Italy	42.8601N	11.6500E	1045	From 2017-01-01
Abbadia San Salvatore	AMT4	Italy	42.8661N	11.6470E	1078	From 2017-01-01
Abbazia di Naro	NARO	Italy	43.6108N	12.5806E	271	From 2011-01-17
Abbeville	254A	Georgia,U.S.A.	31.9457N	83.2905W	78	From 2012-03-14
Abborrasen	ABB	Sweden	57.8450N	12.7860E	239	From 1980-01-01 to 1991-12-31
Abdulvahap	ADVT	Turkey	40.4332N	29.7383E	193	From 2006-05-19
Abeche	ABC	Chad	13.8272N	20.8444E	550	From 1965-01-01 to 1968-06-30
Aberdeen	ABE	Scotland,United Kingdom	57.1667N	2.1000W	12	
Aberfeldy	ABEM	Victoria,Australia	37.7194S	146.3890E	548	
Aberfoyle	EAB	Scotland,United Kingdom	56.1881N	4.3400W	250	From 1969-01-01
Aberstueckl	ABSI	Italy	46.7285N	11.3205E	1801	From 2006-12-13
Abfaltersbach	ABTA	Austria	46.7474N	12.5123E	1041	From 2006-12-13
Abgarm-Qazvin	QABG	Iran	35.7085N	49.5824E	2084	From 2012-04-20
Abha	ABHA	Saudi Arabia	18.2500N	42.7500E	2200	From 1988-11-01
Abi Ad	ADYE	Ethiopia	13.6350N	38.9811E	1860	
Abilates	PH01	Texas	35.5790N	101.7035W	887	From 2018-10-24
Abilene, Hawley	ABTX	Texas,U.S.A.	32.6238N	99.6431W	502	From 2009-02-12
Abington	ABG	Pennsylvania,U.S.A.	40.1167N	75.1333W		
Abisko	ABK	Sweden	68.3417N	18.8167E	385	
Abjat-sur-Bandiat	ABJF	Limousin	45.5738N	0.7610E	269	From 2017-05-01
Aboa	ABOA	Dronning Maud Land	73.0500S	13.4167W	200	From 2007-01-18
Abo Dabab	NADB	Egypt	25.3405N	34.5021E	295	
Abomosa Island	ABIR	Iran	25.8825N	55.0372E	1	From 2019-05-29
Abong Mbang, CM11	ACM11	Cameroon	3.9800N	13.1880E	587	
Abou Kooc	KOOC	Syria	33.6592N	36.7633E	1120	From 1994-12-01
Abou Rabah	RABH	Syria	34.4354N	37.2054E	738	From 1994-12-01
Abra de Ilog	ABP	Mindoro,Philippines	13.4440N	120.7270E		From 1976-02-01 to 1977-05-22
Abri du Galion	ABGF	Guadeloupe,France	16.0323N	61.6603W	1150	
Abries	OG22	Provence-Cote d'Azur,France	44.8227N	6.9452E	1810	
Abriola	ABRE	Italy	40.5008N	15.7601E	1542	
Abrolhos, BA	ABR01	Brazil	17.9646S	38.6959W	38	From 2014-12-13
Absaloka Mine, Hardin	F21A	Montana,U.S.A.	45.8231N	107.1233W	1026	From 2008-08-12 to 2010-08-08
Absolon Red Butte, Lander	K19A	Wyoming,U.S.A.	42.8247N	108.8466W	1878	From 2007-11-08 to 2009-10-07
Abu 'Arish	ABAR	Saudi Arabia	16.9420N	42.9390E	135	From 1996-03-01
Abucay Bataan Peninsula	ABPP	Philippines	14.7410N	120.4510E	300	From 2015-12-01
Abu Hadid	AAHD	Egypt	23.7474N	32.7511E	240	
Abulta/Almeha	ABMD	Ethiopia,Ethiopia	11.8317N	35.5825E	603	From 2014-04-12 to 2017-12-01
Abu Rakah	URD15	Saudi Arabia	27.2505N	37.4540E	1508	
Abu Rakah	URD14	Saudi Arabia	27.4424N	37.7405E	1080	
Abu Rakah	URD04	Saudi Arabia	27.0800N	37.2600E	1138	
Abu Rakah	URD13	Saudi Arabia	27.5432N	37.4791E	1141	
Abu Rakh	BAHS2	Saudi Arabia	20.8690N	41.1920E	100	
Abu Rudays	HRDS	Egypt	28.7120N	33.2975E	260	
Abu-Samra	SMRA	Qatar	24.7453N	50.8239E	0	From 2014-05-06
Abu Simbel	ABUS	Egypt	22.2500N	31.1372E	230	
Abu Simbel	ASL	Egypt	22.3369N	31.6161E		From 1975-10-01
Abuyama	ABU	Osaka,Japan	34.8603N	135.5740E	200	From 1966-07-08
Abymes - Guadeloupe	GABY	Guadeloupe,France	16.2706N	61.5044W	20	From 2005-02-01
Academy	AY-SD	South Dakota,U.S.A.	43.5278N	99.1083W	610	From 1962-07-14 to 1962-10-05

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Academy	AY-	South Dakota,U.S.A.	43.5278N	99.1083W	610	From 1962-07-14 to 1962-10-05
Acambaro	ACAM	Mexico	20.0432N	100.7167W	1858	
Acambay	ACIG	Mexico State,Mexico	19.9800N	99.8800W	1546	From 2012-01-01
Acapulco	ACP2	Guerrero,Mexico	16.8743N	99.8865W	167	From 2009-02-16
Acapulco	ACX	Guerrero,Mexico	16.8694N	99.8583W	300	
Acate (RG)	ACATE	Italy	37.0240N	14.5007E	201	From 2019-01-24
Acatlan	ACP	Puebla,Mexico	18.2078N	98.0597W	1250	
Accademia Aeronautica Militare Pozzuoli (NA) Italy	CAAM	Italy	40.8200N	14.1420E	100	From 2011-12-09
Accademia dei Lincei, Rome	NR07	Italy	41.8928N	12.4668E	11	From 2021-02-03 to 2021-04-07
Accomac	S61A	Virginia,U.S.A.	37.6804N	75.6727W	58	
Accra	ACRG	Ghana	5.6415N	0.2072W	74	From 2018-10-01
Accumoli (campo sportivo)	MZ103	Italy	42.6959N	13.2418E	875	From 2016-10-12 to 2016-10-31
Accumoli, Frazione Villanova (RI)	T1202	Italy	42.7035N	13.2249E	1250	From 2016-08-24 to 2017-01-22
Accumoli (Madonna delle Coste)	MZ102	Italy	42.7037N	13.2320E	1055	From 2016-10-12 to 2016-10-31
Accumuli	RM31	Italy	42.7023N	13.2331E	1034	From 2009-09-17 to 2010-02-15
Acelerografo, Colegio de Ingenieros Jujuy	YOCI	Jujuy	24.1849S	65.3063W	1250	From 2020-03-18
Acelergrafo del Angel	AANG	Ecuador	0.6208N	77.9397W	3011	
Acelerografo, Esmeraldas - Quininde	AV18	Ecuador	0.3128N	79.4776W	106	From 2013-07-17
Acelerografo, Esmeraldas - Terminal Martimo	AMA1	Ecuador	0.9346N	79.7245W	233	From 2013-05-08
Acelerografo, Esmeraldas - Viche	AV21	Ecuador	0.6609N	79.5469W	61	From 2013-05-08
Acelerografo, Guayas - Duran	ADUR	Ecuador	2.1594S	79.8421W	6	From 2012-04-04
Acelerografo, Imbabuta - Chontal	ACHO	Ecuador	0.2434N	78.7710W	667	From 2010-12-24
Acelerografo, Manab - Baha Centro Casa Ing. Oswaldo Hidalgo	ABHE	Ecuador	0.5984N	80.4246W	9	From 2011-05-19
Acelerografo, Municipalidad de Maip, Mendoza	MMMP	Mendoza	32.9847S	68.7867W	804	From 2020-03-18
Acelerografo, Napo - Baeza, Granja Experimental	ABZA	Ecuador	0.4590S	77.8861W	1875	From 2010-12-29
Acelerografo, Napo - El Salado	AV05	Ecuador	0.2026S	77.6879W	1298	From 2013-07-24
Acelerografo, Napo - Santa Rosa de Quijos	AVX7	Ecuador	0.3229S	77.8069W	1513	From 2013-07-24
Acelerografo, Pichincha - Arasha	AARS	Ecuador	0.0958N	79.0987W	524	From 2012-08-20
Acelerografo, Pichincha - Guayllabamba	AV11	Ecuador	0.0727S	78.3714W	2056	From 2014-08-07
Acelerografo, Pichincha - Quininde	APR1	Ecuador	0.0464S	78.6137W	2980	From 2014-08-13
Acelerografo, Sucumbios - Lago Agrio	APS1	Ecuador	0.0999N	76.9190W	322	From 2014-08-05
Acelerografo, Sucumbios - Lago Agrio	ALAG	Ecuador	0.0834N	76.8838W	299	From 2010-12-27
Acelerografo, Sucumbios - Lumbaqui	AV03	Ecuador	0.0504N	77.3181W	485	From 2014-08-05
Acel. Puerto Lumbreras	EXPTO	Spain	37.5490N	1.8173W	460	From 2012-06-21
Acel. Santa Fe	EXSF2	Spain	37.1881N	3.7107W	583	From 2014-01-01
Acel. Totana	EXTOT	Spain	37.7698N	1.4979W	249	From 2013-01-01
Acerenza	ACER	Italy	40.7867N	15.9427E	690	From 2007-07-05
Acheberg	ACHB	Switzerland	47.5876N	8.2543E	470	From 1983-06-01
Achilleion, Magnesia	ACHL	Greece	39.0083N	22.9581E	5	From 2020-01-01
Achilles Lake	ACKN	Northwest Territories,Canada	64.9915N	110.8708W	467	
Achladochori, N029	N029M	Greece	40.8654N	22.3515E	253	
Achladokambos, Greece	GR30	Greece	37.5217N	22.5774E	483	From 2022-10-04
Achnashellach	KAC	Scotland,United Kingdom	57.4999N	5.2982W	330	From 1983-01-01
Achotines, Los Santos	ACHO3	Panama	7.4150N	80.1730W	19	From 2010-01-01
Achvaich	MVH1	Scotland,United Kingdom	57.9250N	4.1825W	185	From 1984-01-01
Acicastello(CT)	FX07	Italy	37.5521N	15.1452E	49	From 2021-12-22 to 2023-02-02
Acipayam-Denizli	APMY	Turkey	37.4718N	29.3018E	930	From 2016-05-31
Aci Sant'Antonio	EACI	Sicily,Italy	37.6140N	15.1290E	290	From 1994-10-01
Acomizza, Italy	ACOM	Italy	46.5480N	13.5130E	1788	
Acorn Hollow, Los Molinos	O03C	California,U.S.A.	39.9971N	122.0319W	85	From 2005-04-19 to 2007-09-06
Acosta	ACOS	Costa Rica,Costa Rica	9.7960N	84.1640W	1180	
Acoyapa	ACON	Nicaragua	11.9680N	85.1740W	107	
Acoyapa	ACY	Nicaragua	11.9977N	85.2252W	400	From 1975-01-01
Acquaformosa (CS)	T0702	Italy	39.7209N	16.0835E	882	From 2012-05-25
ACQUASANTA TERME	ACT	Italy	42.7713N	13.4125E	0	From 2016-08-25
Acqui Terme	ACQ	Italy	44.6826N	8.4624E	215	From 2012-10-30
Acrocorinthos	ACOR	Greece	37.8902N	22.8692E	437	From 2008-12-29
Acton	ACTO	Ontario,Canada	43.6087N	80.0624W	360	From 1991-07-09
Adagdak	AD8	Alaska,U.S.A.	51.9806N	176.6000W	259	From 1974-01-01 to 1992-02-01
Adait	ADTE	Ethiopia	11.1221N	40.7570E	506	
Adak	ADA	Alaska,U.S.A.	51.8633N	176.6550W		From 1949-07-01 to 1954-04-30
Adak	ADK	Alaska,U.S.A.	51.8837N	176.6840W	116	From 1966-01-01
Adak Island	AD-IS	Alaska,U.S.A.	51.8750N	176.6792W	61	
Adak Island	AD-	Alaska,U.S.A.	51.8750N	176.6792W	61	
Adalicio	ADAL	Patagonia	46.0314S	72.7490W	1158	From 2010-01-01
Adamclisi	ADCR	Romania	44.0882N	27.9657E	161	From 2019-05-15
Adam Dziewonski Observatory, Oak Ridge	HRV	Massachusetts,U.S.A.	42.5064N	71.5583W	200	From 1975-08-01
Adamit	ADI	Israel	33.0789N	35.2250E	470	From 1983-07-01
Adams	ADN	New York,U.S.A.	43.8333N	76.1197W	137	From 1974-11-24 to 1977-07-27
Adams Ridge, Knoxville, CA USA	ADAM	California	38.7514N	122.3341W	575	From 2020-09-01
Adamsville	O52A	Ohio,U.S.A.	40.1158N	81.8361W	331	From 2012-08-25
Adams West	AWST	Washington	46.1446N	121.7714W	1158	From 2017-10-18 to 2999-12-12
Adamuz	EADA	Spain	38.1673N	4.5771W	565	
Adana	ADT	Turkey	37.0638N	35.3550E	150	From 1979-12-01 to 1999-08-25
Adana	AKO	Turkey	37.4615N	35.4460E	450	From 2007-02-13
Adana	ADAT	Turkey	37.0623N	35.3550E	150	From 1992-01-01
ADANA	SAIM	Turkey	37.9766N	36.0823E	1028	From 2011-10-19
Adare	ADARE	Victoria Land	72.4167S	170.9167E	0	
Addanki	ADKI	Andhra Pradesh,India	15.8446N	79.9686E	49	From 2008-09-01
Ad Darb	DRBS	Saudi Arabia	17.8281N	42.3010E	160	
Addlestone Acy	ADSC	South Carolina,U.S.A.	32.8119N	80.0167W	6	
Adeje, Tenerife	CADE	Canary Islands	28.1607N	16.7427W	792	From 2017-03-30
Adeje, Tenerife	CINF	Canary Islands	28.1275N	16.7240W	405	From 2020-07-10
Adel	AOT	Oregon,U.S.A.	42.1665N	119.9033W	1370	
Adeladia	PADM	California,U.S.A.	35.6393N	120.8640W	471	
Adelaida	ADES	El Salvador	13.6583N	89.3583W	1200	From 1991-12-01
Adelaide	ADE	South Australia,Australia	34.9669S	138.7090E	655	From 1958-06-01
Adelanto	ADL	California,U.S.A.	34.5563N	117.4170W	900	From 1975-02-01
Adelanto Receiving Station	ADO	California,U.S.A.	34.5505N	117.4339W	908	From 2000-08-09
Adell	L07A	Oregon,U.S.A.	42.0187N	119.3398W	1816	From 2006-06-09 to 2008-04-17
Aden	ADEN	Yemen	12.7760N	44.9830E	41	From 1994-11-01
ADIBADRI	ABI	Uttar Pradesh,India	30.1520N	79.2084E	1595	From 2007-06-30
Adirondack	RSNY	New York,U.S.A.	44.5483N	74.5300W	396	
Adirondack Community College	ACCN	New York,U.S.A.	43.3843N	73.6678W	340	
Adis Abeba	AAE	Ethiopia	9.0292N	38.7656E	2442	From 1959-03-01
Adit at Lawrence Berkeley Lab, Berkeley, CA	VAK	California,U.S.A.	37.8775N	122.2489W	241	From 2010-08-31 to 3000-12-31
Adıyaman-Kahta-Narince	NARI	Turkey	37.8840N	38.7612E	868	From 2017-03-03
Adıyaman-Merkez-ndere	AZEY	Turkey	37.8105N	38.2491E	815	From 2017-03-03
Adjabya	LJBD	Libya	30.9130N	20.1982E	49	
ADJUD	ADJ	Romania	46.0952N	27.1821E	102	From 2008-10-23
Administracion zonal de la Delicia, San Jose Condado La Prance a Quito	DELA	Ecuador	0.1131S	78.4950W	2784	From 2016-05-12
Administracin Zonal Eloy Alfaro - Quito	VIFL	Ecuador	0.2486S	78.5251W	2839	
Administracin Zonal Quitumbe - Quito	QUIB	Ecuador	0.2964S	78.5480W	2921	
Adndan	AADN	Egypt	22.1224N	31.5307E	260	
Ado Ale volcano	ALEE	Ethiopia	12.4106N	40.5982E	456	
Adobe Creek	GACM	California,U.S.A.	38.8728N	122.8620W	985	
Adobe Valley	AVC	California,U.S.A.	37.9160N	118.7330W	2225	From 1975-07-01 to 1977-09-30
Adra	EXAD	Spain	36.7500N	3.0010W	24	
Adra	ADRA	Spain	36.7893N	3.0487W	0	
Adria, Italy	ADRI	Italy	45.0378N	12.0167E	1	From 2008-01-26
Adriano, Ševilla	E011	Spain	37.2103N	5.9905W	56	From 2007-09-23 to 2009-06-11
ADRIATIC SEA	ROSPO	Italy	42.2364N	14.9315E	-101	From 2019-09-03
Adrspach	ACDC	Czech Republic	50.6300N	16.0863E	653	From 2021-11-24
Adventbay Spitsbergen	ADV	Svalbard	78.2217N	15.5958E	42	From 1911-10-27 to 1912-06-18
Aeknabara	AEKI	Sumatera,Indonesia	2.1017N	98.4536E	840	From 1991-01-01
Aeronautique	ZAM	Martinique,France	14.5727N	61.0287W	25	
Aeropuerto Ilopango	AEIL	El Salvador	13.6971N	89.1166W	634	
Aeropuerto Managua	AERN	Nicaragua	12.1444N	86.1678W	67	From 2014-05-22
Aery, Baudette	B34A	Minnesota,U.S.A.	48.4860N	94.6501W	354	From 2010-09-14 to 2012-08-02
Aespoe	ASPU	Sweden	57.4185N	16.5992E	10	From 2005-04-14
AFAR09-11, Teru, TRUE	TRUE2	Ethiopia	12.4812N	40.3148E	378	
AFAR0911 - ZR	IGRE	Ethiopia	12.2526N	40.4612E	668	
AFAR0911 - ZR	LAVE	Ethiopia	13.6045N	40.6579E	553	
AFAR0911 - ZR	LULE	Ethiopia	11.9892N	40.7037E	611	
AFAR0911 - ZR	KOZE	Ethiopia	12.4948N	40.9850E	541	
Afar, BLV	ABLV	Djibouti	11.5732N	42.4947E	283	
Afar, BOY	ABOY	Djibouti	11.5888N	42.5432E	0	
Afareaitu	AFR	Moorea,French Polynesia	17.5383S	149.7780W	50	
Afar, FUR	FURA	Ethiopia	8.8950N	38.6800E	2578	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Afar, GBR	GBRA	Djibouti	11.1520N	42.4600E	615	
Afar, HAM	AHAM	Djibouti	11.5468N	42.5030E	187	
Afar, KIR	AKIR	Djibouti	12.3580N	42.3558E	385	
Afar, MCA	MCAA	Djibouti	11.7268N	43.2085E	5	
Afar, MCS	MCSA	Djibouti	12.3353N	42.3570E	345	
Afar, MOY	AMOY	Djibouti	11.6203N	42.4948E	58	
Afdera	AFME	Ethiopia	13.2040N	40.8585E	-58	
Afek	AFK	Israel	32.8375N	35.1290E	49	From 2018-07-17
Afiamalu	AFI	Samoa Islands	13.9094S	171.7770W	706	From 1958-04-01
Afif	AFIF	Saudi Arabia	24.1010N	43.1800E	950	From 1990-03-01
`Afif	AFFS	Saudi Arabia	23.9267N	43.0005E	1090	
Afif - temporary	AFIFT	,Saudi Arabia	23.9310N	43.0400E	1116	
Afjeh	IAFJ	Iran	35.8560N	51.7125E	2750	From 1996-01-01
AfricaArray - AF	MTVE	Tanzania	10.2500S	40.1670E	21	
AfricaArray - AF	EKNA	Cameroon	4.2340N	9.3280E	354	
AfricaArray - AF	YNDE	Cameroon	3.8700N	11.4560E	717	
AfricaArray - AF	PWET	Democratic Republic of the Congo	8.2800S	28.5300E	948	
AfricaArray - AF	AAUS	Ethiopia	9.0349N	38.7665E	2437	
AfricaArray - AF, ANKE	ANKE2	Ethiopia	9.5827N	39.7418E	2789	
AfricaArray - AF, DODT	DODT2	Tanzania	6.1860S	35.7480E	1114	
AfricaArray - AF, GRM	GRM2	South Africa	33.3133S	26.5733E	610	
AfricaArray - AF, HARE	HARE2	Zimbabwe	17.7040S	31.0090E	1501	
AfricaArray - AF, KAD	AKAD	Nigeria	10.4305N	7.6403E	679	
AfricaArray - AF, LBB	LBB2	Democratic Republic of the Congo	11.6310S	27.4850E	1283	
AfricaArray - AF, MZM	MZM3	Malawi	11.4340S	34.0350E	1258	
AfricaArray - AF, NSU	ANSU	Nigeria	6.8669N	7.4174E	427	
AfricaArray - AF, SHAI	ASHAI	Ghana	5.8814N	0.0439E	0	
AfricaArray - AF, SWZ	SWZ2	South Africa	27.1817S	25.3250E	1342	
AfricaArray - AF, TEBE	ATEBE	Uganda	0.0536N	32.4830E	1132	
AfricaArray/PSU - ZP	MALE	Uganda	1.0700N	34.1670E	1127	
AfricaArray/PSU - ZP	JNJA	Uganda	0.4460N	33.1820E	1133	
AfricaArray/PSU - ZP	SULU	Tanzania	4.5730S	30.0870E	1359	
AfricaArray/PSU - ZP	KIBO	Tanzania	3.5830S	30.7130E	1485	
AfricaArray/PSU - ZP	KBLE	Uganda	1.2540S	29.9920E	1876	
AfricaArray/PSU - ZP	KATE	Uganda	0.1380S	29.8710E	950	
AfricaArray/PSU - ZP	FOPO	Uganda	0.6630N	30.2820E	1535	
AfricaArray/PSU - ZP	BUTI	Uganda	1.8190N	31.3260E	623	
AfricaArray/PSU - ZP	PIGI	Uganda	0.2310N	32.3190E	1252	
AfricaArray/PSU - ZP	ROTI	Uganda	1.6260N	33.6000E	1108	
AfricaArray/PSU - ZP	SAKA	Uganda	0.3150S	31.7370E	1263	
AfricaArray SE Tanzania Basin Experiment - YH	KIMA	Tanzania	8.9199S	39.5141E	7	
AfricaArray SE Tanzania Basin Experiment - YH	MANG	Tanzania	7.1981S	38.7733E	366	
AfricaArray SE Tanzania Basin Experiment - YH	MOHO	Tanzania	8.1426S	39.1832E	4	
AfricaArray SE Tanzania Basin Experiment - YH	WALE	Tanzania	9.7896S	37.9170E	507	
AfricaArray SE Tanzania Basin Experiment - YH	MTWA	Tanzania	10.2776S	40.1940E	32	
AfricaArray SE Tanzania Basin Experiment - YH	CHAL	Tanzania	6.6403S	38.3670E	219	
AfricaArraySE Tanzania Basin Experiment - YH, INDI	AINDI	Tanzania	10.0167S	39.7149E	14	
Africa Array SE Tanzania Basin Experiment, ZH	IFAK	Tanzania	8.1397S	36.6828E	251	
AfricaArray-Uganda/Tanzania - ZP	KISZ	Zambia	12.1116S	25.4952E	1358	
AfricaArray-Uganda/Tanzania - ZP	KASM	Zambia	10.2174S	31.1401E	1386	
AfricaArray-Uganda/Tanzania - ZP	GABZ	Zambia	12.1710S	26.3670E	1393	
AfricaArray-Uganda/Tanzania - ZP	MKUS	Zambia	13.6035S	29.3791E	1250	
AfricaArray-Uganda/Tanzania - ZP	MPIK	Zambia	11.8210S	31.4517E	1392	
AfricaArray-Uganda/Tanzania - ZP	MUFZ	Zambia	13.1442S	25.0213E	1189	
AfricaArray-Uganda/Tanzania - ZP	MWEN	Zambia	10.0582S	28.7017E	995	
AfricaArray-Uganda/Tanzania - ZP	KISH	Zambia	12.0219S	29.6123E	1132	
AfricaArray-Uganda/Tanzania - ZP	LWNG	Zambia	10.2498S	29.9210E	1455	
AfricaArray-Uganda/Tanzania - ZP	SHWG	Zambia	11.1925S	31.7397E	1211	
AfricaArray-Uganda/Tanzania - ZP	SERJ	Zambia	13.2275S	30.2150E	1388	
AfricaArray-Uganda/Tanzania - ZP, CHAM	ACHAM	Zambia	10.9505S	31.0691E	1211	
AfricaArray-Uganda/Tanzania - ZP, KAMZ	AKAMZ	Zambia	14.7948S	24.8044E	1161	
AfricaArray-Uganda/Tanzania - ZP, MANS	AMANS	Zambia	11.1400S	28.8749E	1259	
AfricaArray - ZP, BEND	ABEND	Uganda	0.5810N	31.3920E	1351	
AfricaArray - ZP, CHIM	ACHIM	Tanzania	8.8263S	34.0284E	1100	
AfricaArray - ZP, MAKA	AMAKA	Tanzania	8.8465S	34.8302E	1685	
AfricaArray - ZP, MAUS	MAUS2	Tanzania	2.7410S	36.7040E	1334	
AfricaArray - ZP, MIKU	AMIKU	Tanzania	7.4035S	36.9902E	518	
AfricaArray - ZP, MKRE	AMKRE	Tanzania	4.2820S	30.4240E	1175	
Afriz	AFRZ	Iran	33.4252N	59.0150E	1449	From 2013-11-10
Afar-Bala (Ankara)	AFSR	Turkey	39.4468N	33.0707E	1055	From 2008-09-05
Aftenstjerne Lake, Greenland	ASSG	Greenland	82.1762N	38.1082W	318	From 2004-07-24
Afyon-Bayat	BYAT	Turkey	38.9469N	30.9831E	1164	From 2018-05-24
Afyon-Bolvadin-Kurucuova	KURO	Turkey	38.7340N	30.9336E	1198	From 2017-02-06
Afyonkarahisar	AFYO	Turkey	38.7871N	30.2988E	1081	From 2013-02-20
AFYON_Kizioren	KZIL	Turkey	38.2575N	30.1412E	1202	From 2011-09-26
Agadir Fac de Sc.	AFS	Morocco	30.4200N	9.5000W	75	From 2001-06-02
Agadir Oufela	AOF	Morocco	30.4400N	9.5600W	90	From 2001-06-02
Agalyk	AGL	Uzbekistan	39.5171N	66.8803E	871	From 1905-05-16
Ag. Anna	S020	Greece	38.3180N	22.9100E	753	
AGAPE Sonsonate	SONS	El Salvador	13.7362N	89.7103W	302	
Agarn, Football field, VS	AGA01	Switzerland	46.2991N	7.6693E	619	From 2018-07-13
Agartala	AGT	Tripura,India	23.8889N	91.2463E	19	
Agas	AASA	Salta,Argentina	24.7977S	65.4038W	1180	From 1978-05-26
gasegyhza	HU04A	Hungary	46.8120N	19.4777E	116	From 2019-06-13
Agassiz Lake	AGAM	Alaska,U.S.A.	60.1542N	141.0330W	1024	
Agassiz National Wildlife Refuge	AGMN	Minnesota,U.S.A.	48.2978N	95.8619W	351	From 2006-09-20
Agave Hill	AGAC	California,U.S.A.	33.6384N	116.4011W	809	
Agdam	AGDM	Azerbaijan	40.1083N	47.1083E	500	From 2013-10-13
Agenahambo	AGE	Papua New Guinea	8.8136S	148.0990E	303	From 1963-08-01 to 1972-12-31
Aggia Anna	VAG	Greece	38.3161N	22.9003E	760	From 1982-10-01
Agha	AGYR	Russia	44.1480N	39.0370E	0	
Aghdareh	HAGD	Iran	34.8220N	49.1397E	2120	From 2011-04-01
Aghvani	AGVN	Armenia	39.3591N	46.3180E	1800	From 2021-11-01
AGIA	AGIA	Assam,India	26.0663N	90.4642E	75	From 2012-01-01
Agia Marina, Milos Island	MHLO	Greece	36.6898N	24.4017E	174	From 2010-06-04
Agia Thekli	AGT1	Greece	38.2505N	20.3840E	82	From 2014-02-11
Agia Triada	SHTA	Greece	40.6138N	22.9530E	2	
Agillar	DAGI	Turkey	41.0778N	41.9142E	1188	From 2007-09-25
Agin	AGN	Turkey	38.9483N	38.7154E	914	From 1973-09-20
Agioi Theodoroi,Methana,Greece	MET4	Greece	37.6228N	23.3996E	102	From 2019-02-13
Agios Charalampos	AXAR	Greece	38.7664N	22.6590E	406	From 2008-04-01
Agios Efstratios	EFSA	Greece	39.5402N	24.9886E	12	From 2010-05-27
Agios Georgios	AGG	Greece	39.0222N	22.3303E	540	From 1989-04-01
AgiosGiorgios, Aigialia, West Greece	AGEO	Greece	38.2649N	22.0635E	-118	From 2000-05-15
Agios Ioannis, Aigialia, West Greece	AIOA	Greece	38.1939N	22.0587E	68	From 2000-05-15
Agios-Kirikos-Ikarias	IKRA	Greece	37.6112N	26.2928E	30	
Agios Nikolaos	AGN1	Crete,Greece	35.1879N	25.7155E	9	From 2011-09-01
Agios Nikolaos	AGNA	Greece	35.1895N	25.7185E	15	
Agios Nikolaos Laconias	ANS1	Greece	36.4766N	23.1015E	80	From 2012-01-31
Agios Nikonas	DYR	Greece	36.7622N	22.3337E	426	From 2008-07-01
Agira	CAGR	Sicily,Italy	37.6220N	14.4999E	548	From 2010-05-21
Ag. Konstantinos	S040	Greece	37.7220N	24.0090E	206	
Aglientu	AGLI	Sardinia	41.1269N	9.1733E	179	From 2017-03-20
Aglish, Co. Tipperary, Ireland	ITIP	Ireland	53.0463N	8.0795W	60	From 2022-06-14
Ag. Marina, N001	N001M	Greece	39.4692N	20.3119E	251	
Agnone	AGNN	Italy	41.8080N	14.3706E	808	From 2019-05-21
Agolada(Pontevedra)	EAGO	Spain	42.8027N	8.0892W	500	From 2010-03-24
Agordo	AGOR	Italy	46.2829N	12.0472E	631	From 2007-06-08
Agoura	AGOC	California,U.S.A.	34.1465N	118.7670W	259	
Agra	AGR	Uttar Pradesh,India	27.1333N	78.0167E	163	
Agra	AGRA	Uttar Pradesh,India	27.2305N	77.9438E	0	
Agrapidokambos, Nafpaktia, West Greece	AGRP	Greece	38.3959N	21.7228E	281	From 2012-06-20
Agrelo	AAGR	Mendoza,Argentina	33.0852S	68.8284W	1159	
Agri	AGRT	Turkey	39.6088N	42.9870E	1440	From 1997-08-26 to 2006-11-21
Agrihan Island	AGRI	Mariana Islands	18.7362N	145.6529E	87	From 1994-04-23
Agri, Merkez-Kocatas	KOTA	Turkey	39.8022N	43.2058E	1822	From 2014-12-05
Agrinio	AGR2	Greece	38.6319N	21.4136E	97	From 2012-10-15
Agrinion	AGR3	Greece	38.5893N	21.4162E	100	From 2013-01-31
Agrı/Tutak/Dorukdibi	DORK	Turkey	39.3872N	42.7802E	1714	From 2017-11-09

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Agron	EXAGR	Spain	37.0303N	3.8347W	1058	
Agron	ERON	Spain	37.0185N	3.8058W	1304	From 1994-03-01
Aguacate	CHGR2	Panama	8.9380N	82.1443W	270	
Aguachica	AGCC	Colombia	8.5121N	73.5850W	457	From 2014-02-14
Agua Clara, Sierra Llorona en Colsn	ACLA	Panama	9.3650N	79.7065W	460	From 2004-10-01
Aguadilla	AGP	Puerto Rico	18.4075N	67.1410W	220	
Aguadilla, PR	AGPR	Puerto Rico	18.4675N	67.1112W	117	From 2004-10-01
Agua Dulce, PCH	PCHMX	Baja California	31.5405N	116.6388W	33	
Agualva	AGA	Azores,Portugal	38.7845N	27.1732W	80	From 1981-05-16 to 2000-05-17
Agualva, Azores	PAGU	Azores	38.7673N	27.1843W	250	From 2014-11-05
Aguas Belas	AGBLB	Pernambuco,Brazil	9.0387S	37.0454W	448	
Aguascalientes	AGX	Aguascalientes,Mexico	21.8787N	102.3010W		From 1988-01-01
Aguas Calientes	AGUN	Nicaragua	12.6667N	86.8367W	300	
Aguas Claras	CLARA	Costa Rica,Costa Rica	10.7845N	85.1753W	536	
Aguas Claras	ACAL	Costa Rica	10.6340N	85.0350W	767	
Aguilas, Murcia	EXAGI	Spain	37.4138N	1.5917W	23	From 2015-01-01
Aguinaldo, Ifugao	AGIP	Philippines	17.0140N	121.3134E	932	
Aguni-jima	JAGN	Ryukyu Islands,Japan	26.5888N	127.2422E	12	
Aguscalientes	AAIG	Aguascalientes	21.9685N	102.3802W	1944	From 2014-04-04
Agustn Codazzi, Colombia	CODC	Colombia	9.9350N	73.4442W	108	From 2011-07-24
Ahar	AHAR	Iran	38.4895N	47.0513E	1413	
Ahir Dag	KAHT	Turkey	37.6307N	36.8734E	1830	From 2003-11-05
Ahlen	BAHL	Nordrhein-Westfalen,Germany	51.7369N	7.8217E	92	
AHRAM	AHBU	Iran	28.8640N	51.2950E	80	From 2010-06-02
Ahram - Rada'a city Al-Baydha Gov. - Yemen	RADA	Yemen	14.4390N	44.8530E	2353	From 2001-09-22
Ahua	AHA	Hawaii,U.S.A.	19.3733N	155.2650W	1070	From 1958-01-01
Ahuacatlan	ANIG	Nayarit,Mexico	21.0538N	104.5207W	1009	From 2006-09-30
Ahuachapan	AHU	El Salvador	13.9217N	89.8458W	810	
Ahwaz	AHWZ	Iran	31.3300N	48.6438E	19	From 2010-04-27
Ai-Ais	AIAI	Namibia	27.9156S	17.4913E	967	
Aiani, KOZANI	AIA1	Greece	40.1641N	21.8202E	460	From 2013-07-15
Aibetsu	AIB	Kamikawa,Japan	43.9067N	142.6461E	260	
Aicho	AICH	Tanzania,United Republic of Tanzania	3.6863S	35.5375E	992	
Aida	JAD	Okayama,Japan	34.9403N	134.1680E	170	
Aidipsos	AIDA	Greece	38.8544N	23.0496E	15	
Aidipsos	S034	Greece	38.8810N	23.0500E	126	
Aidlin Power Plant 1	AL1	California,U.S.A.	38.8382N	122.8835W	704	
Aidlin Power Plant 2	AL2	California,U.S.A.	38.8160N	122.8980W	657	
Aidlin Power Plant 3	AL3	California,U.S.A.	38.8275N	122.8569W	781	
Aidlin Power Plant 4	AL4	California,U.S.A.	38.8386N	122.8355W	661	
Aidlin Power Plant 6	AL6	California,U.S.A.	38.8000N	122.8613W	749	
Aifat	AMPM	Indonesia	1.2675S	132.4918E	520	From 2020-12-31
Aigina	AIGN	Greece	37.7481N	23.4436E	83	From 2020-07-01
Aigio	AIGS	Greece	38.2500N	22.0878E	99	From 2020-01-17
Aigio	AIG2	Greece	38.2418N	22.0724E	123	From 2011-10-01
Aigion	AIG4	Greece	38.2544N	22.0750E	41	From 2013-06-07 to 2013-09-15
Aigion	AIG3	Greece	38.2558N	22.1045E	51	From 2013-06-07 to 2013-09-15
Aigion	AIG1	Greece	38.2096N	22.1408E	61	From 2013-06-06 to 2013-09-15
Aigle	AIGLE	Switzerland	46.3416N	6.9534E	800	From 1998-09-01
Aigle Rue de la Gare	SAIG	Switzerland	46.3168N	6.9667E	410	From 2012-02-01
Aigu	OGAUY	Uruguay	34.3333S	54.7122W	257	From 2013-03-22
Aigurande	NE08	Centre,France	46.4200N	1.7300E	360	From 1982-11-01 to 1984-12-31
Aikawa	AIK	Niigata,Japan	38.0217N	138.2433E	35	
Ailbek	ABKT	Turkmenistan	37.9304N	58.1189E	678	
Ainahou	AIN	Hawaii,U.S.A.	19.3720N	155.4580W	1524	From 1973-04-26
Ain Dar Gosp	NHFOF	Saudi Arabia	25.5720N	49.2740E	297	
Ain Deheb	EADEB	Algeria	34.8581N	1.5612E	1195	
Ain Djasser	CJSR	Algeria,Algeria	35.8619N	5.9481E	993	
'Ain El Ouahch	CAEH	Algeria	36.7800N	6.8500E	383	
Ain Fares	AFRS	Algeria,Algeria	34.7237N	4.4508E	749	
'Ain N'Sour	EANR	Algeria	35.9500N	1.1000E	727	
Ain Sidi Ali	EASA	Algeria,Algeria	34.1521N	1.5437E	1342	
Ain Smara	CASM	Algeria	36.2600N	6.4900E	680	
Ain Tagrout	CAZD	Algeria,Algeria	36.1750N	5.1573E	922	
Ainzon	NE11	Spain	41.8140N	1.5170W	440	From 1983-01-01 to 2001-07-28
Aioi	JAI	Tokushima,Japan	33.7923N	134.4515E	165	
Aiquile	AOEA	Bolivia	18.1806S	65.2330W	2472	From 2017-10-01
AirJ	ARIRA	Saudi Arabia	26.2324N	48.8869E	189	
AIROLA	AIR06	Italy	41.0652N	14.5551E	388	From 2014-01-10
Airport Hangar	APH	New York,U.S.A.	43.8413N	74.4970W	564	From 1974-07-01 to 1983-10-31
Airport Road	AARM	California,U.S.A.	39.2762N	121.0250W	930	From 1976-07-20
Aisen	TS4	Chile	45.3720S	73.1268W	2	
Aisen	TS5	Chile	45.3217S	73.0883W	35	
Aisen	TS6	Chile	45.3950S	73.0060W	5	
Aisen	TS1	Chile	45.4585S	72.8232W	42	
Aisen	TS2	Chile	45.3748S	73.0350W	35	
Aisen	TS3	Chile	45.4077S	73.0662W	5	
Aishikik Lake	N30M	Yukon Territory,Canada	61.4593N	137.0885W	941	From 2016-05-01
Aitana	WAIT	Spain	38.6495N	0.2635W	1558	From 2018-02-01
Aitape	AITP	Papua New Guinea	3.1384S	142.3489E	2	
Ait Ouarda	AIT	Morocco	32.1100N	6.5110W		From 1980-06-01
Aizawl	AZL	Mizoram,India	23.7384N	92.6897E	969	
Aizu	AID	Fukushima,Japan	37.5667N	140.1170E	526	
AIZWAL	AIZW	Mizoram,India	23.7384N	92.6897E	969	From 2011-05-01
Ajaccio	AJAF	Corse,France	41.9833N	8.7302E	210	From 1991-12-03 to 2008-11-18
Ajai Ranch	AJAR	Arizona,U.S.A.	34.8860N	110.5720W	1622	
Ajban	AJN	Abu Dhabi,United Arab Emirates	24.5626N	54.9865E	67	
Ajiro2	AJI	Shizuoka,Japan	35.0450N	139.0918E	59	
Ajlon	AJLJ	Jordan	32.3270N	35.7270E	1175	
Ajmer	AJMR	Rajasthan,India	26.4791N	74.6432E	540	
Ajmer	AJM	Rajasthan,India	26.4243N	74.6293E	499	
Akaike	JFA	Fukuoka,Japan	33.7120N	130.7952E	130	
Akama	AKM	Fukuoka,Japan	33.8122N	130.5972E	60	
Akamas	AKMS	Cyprus	35.0180N	32.3350E	346	From 2013-07-01
Akamas	AKMC	Cyprus	35.0270N	32.3300E	416	From 1998-11-16 to 2013-07-31
Akaroa Harbour	AKCZ	South Island,New Zealand	43.8721S	172.9098E	374	From 2012-03-01
Akaroa School	AKSS	South Island,New Zealand	43.8109S	172.9635E	13	From 2011-08-25
Akaszto	PKB2	Hungary	46.6744N	19.2419E	-58	From 2016-03-01
Akbulak array	ABKAR	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB02	Kazakhstan	49.2591N	59.9466E	241	From 2003-10-27
Akbulak array site	AB31	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB01	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB09	Kazakhstan	49.2614N	59.9181E	238	From 2003-10-27
Akbulak array site	AB06	Kazakhstan	49.2611N	59.9693E	237	From 2003-10-27
Akbulak array site	AB07	Kazakhstan	49.2410N	59.9593E	235	From 2003-10-27
Akbulak array site	AB04	Kazakhstan	49.2578N	59.9371E	249	From 2003-10-27
Akbulak array site	AB03	Kazakhstan	49.2511N	59.9431E	243	From 2003-10-27
Akbulak array site	AB08	Kazakhstan	49.2387N	59.9280E	243	From 2003-10-27
Akbulak array site	AB05	Kazakhstan	49.2736N	59.9431E	244	From 2003-10-27
Akcadag	AKCD	Turkey	38.2956N	37.9224E	1376	From 2007-06-05
Akakaya, Glbaı, Adıyaman	AKCA	Turkey	37.7941N	37.6881E	1067	From 2016-12-14
Akcakoca	AKC	Turkey	40.0244N	31.1808E	150	From 1979-12-01 to 1999-08-25
Akdag	AKDA	Turkey	40.1035N	41.3636E	1883	From 2012-11-08
Akdamar-Van	AKDM	Turkey	38.3285N	42.9800E	1662	From 2012-11-29
Akdeniz- Kıbrıs	AKDN	Cyprus	35.2977N	32.9677E	90	From 2008-11-19
Akesta	AKEE	Ethiopia	10.8883N	39.1680E	3235	
Akfadou	AKF	Algeria	36.6333N	4.5667E	1545	
Akhalkalaki	AKH	Georgia,Georgia	41.4100N	43.4928E	1708	From 1950-01-01
Akhelmad	IAKL	Iran	36.6022N	58.7566E	2508	From 1997-03-01
Akhisar	AKS	Turkey	38.8790N	27.8130E	370	
Akhisar	AKHS	Turkey	38.8788N	27.8138E	370	From 2006-07-13
Akhmetovskaya	AHMR	Krasnodarskiy Kray	44.1576N	41.0440E	640	From 2012-10-19 to 2017-11-09
Akhty	AKT	Dagestan,Russia	41.4800N	47.7300E	1200	
Akhuzat Shoshana	BLVR	Israel	32.5900N	35.5300E	140	From 1988-04-26 to 1989-05-07
Akıncılar- Kıbrıs	AKIN	Cyprus	35.0153N	33.4661E	230	From 2008-11-18
Akirkeby	BSD*	Denmark	55.1139N	14.9147E	88	From 1981-11-03
Akita	AKI	Akita,Japan	39.7183N	140.1017E	10	
Akita	AKI1	Akita,Japan	39.7150N	140.1033E	2	From 1989-11-01
Akita 2	AKIJ	Akita,Japan	39.7350N	140.1417E	65	From 1990-04-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Akitakoma	KOMT	Akita,Japan	39.7800N	140.7700E	680	
Akkeshi	AKK	Kushiro,Japan	43.0171N	144.8423E	80	From 1976-07-01
Akkeshi	JAK	Abashiri,Japan	42.9962N	144.6965E	20	
Akkus	AKKT	Turkey	40.7844N	37.0136E	1593	From 1992-01-01 to 1994-06-30
Akkuyli	AKUL	Tajikistan	38.4300N	68.5800E		
Akkuyu-Mersin	AKK1	Turkey	36.1435N	33.5405E	4	From 2011-07-01
Akkuyu-Mersin	AKK2	Turkey	36.1373N	33.5486E	1	From 2011-07-01
Akkuyu-Mersin	AKKU	Turkey	36.1587N	33.5508E	144	From 2011-07-01 to 2019-07-30
AKL	AKLM	Morocco	34.5100N	3.8630W	870	
Aklan State University Campus	IAPS	Philippines	11.8178N	122.1709E	90	
Akola	AKL	Maharashtra,India	20.7018N	77.0146E	304	
Akosombo	AKGH	Ghana	6.2433N	0.0403E	377	From 1987-01-01
Akosombo Dam	AKOS	Ghana	6.2984N	0.0681E	217	
Akrata	AKR1	Greece	38.1536N	22.3133E	137	From 2012-09-01
Akrotiri Santorinis	AKRO	Greece	36.3584N	25.3967E	179	From 2023-05-15
AKSARAY - Altinkaya	AKSY	Turkey	38.6497N	33.7607E	973	From 2011-03-16
AK-SAY(Kyrgyzstan)	ASAI	Kyrgyzstan	40.9178N	76.5210E	3021	From 2009-07-29
Aksuat	AKST	Kazakhstan	45.7343N	62.8573E	71	From 2022-03-10
Aktash	AKAR	Altayskiy Kray,Russia	50.3200N	87.6200E	1380	
Aktobe	AKB	Kazakhstan	50.2600N	58.1000E		
Aktoprak	AKTT	Turkey	37.4860N	34.4680E	1550	From 1993-01-01
Aktyubinsk	AKTO	Kazakhstan	50.4348N	58.0164E	314	From 2005-07-20
Aktyubinsk	AKTK	Kazakhstan	50.4348N	58.0164E	379	From 1994-10-01 to 2005-07-20
AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	IKZ	Kazakhstan	50.4070N	58.0348E	369	From 2006-05-11
Akulivik	AKVQ	Quebec,Canada	60.8080N	78.1912W	17	From 2006-09-15
Akureyri	AKU	Iceland	65.6867N	18.1067W	24	From 1964-07-31 to 2002-11-30
Akureyri	AKU-	Iceland	65.6717N	18.1000W		
Akutan	AKUT	Alaska,U.S.A.	54.1352N	165.7719W	19	
Akutan	AKA	Alaska,U.S.A.	54.1358N	165.7700W	12	
Akutan 1	AKA1	Alaska,U.S.A.	54.1358N	165.7700W	12	
Akutan 2	AKA2	Alaska,U.S.A.	54.1242N	165.7783W	90	From 1996-08-01 to 2004-01-14
Akutan 4	AKA4	Alaska,U.S.A.	54.1100N	165.7317W	135	From 1996-08-01 to 2004-01-14
Akutan 5	AKA5	Alaska,U.S.A.	54.1552N	165.8650W	225	From 1996-08-01 to 2004-01-14
Akutan Broad B.	AKBBA	Alaska,U.S.A.	54.0984N	165.9318W	310	
Akutan Green Grass	AKGG	Alaska,U.S.A.	54.1988N	165.9916W	326	
Akutan Harbor	AHB	Alaska,U.S.A.	54.1153N	165.8157W	447	
Akutan Long Valley	AKLV	Alaska,U.S.A.	54.1627N	165.9556W	551	
Akutan Morgan	AKMO	Alaska,U.S.A.	54.0912N	166.0106W	277	
Akutan Reef Bight	AKRB	Alaska,U.S.A.	54.1301N	166.0687W	334	
Akutan Spr's Bay	HSB	Alaska,U.S.A.	54.1868N	165.9124W	497	
Akutan Strait	AKSA	Alaska,U.S.A.	54.1358N	165.6967W	213	
Akutan Volcano	AKV	Alaska,U.S.A.	54.1262N	165.9627W	863	
Akutan Zero	ZRO	Alaska,U.S.A.	54.0916N	165.9780W	446	
Akyaka	EAK	Turkey	40.6862N	43.6069E	1613	From 2009-10-01
Akyazi	AKY	Turkey	40.6630N	30.6594E	110	From 1979-01-01 to 1999-08-25
Ala-Archa	AAK	Kyrgyzstan	42.6375N	74.4942E	1633	From 1990-09-01
Alabaster Cavern State Park	ACO	Oklahoma,U.S.A.	36.6986N	99.1461W	521	From 1977-06-22
Alagyaz	ALGS	Armenia	40.6800N	44.2867E	2050	
Alaid	ALID	Kamchatskaya Oblast',Russia	50.8690N	155.5500E	1400	From 2000-04-01
Alailelai Boma	PR52	Tanzania	2.9593S	35.7024E	2420	From 2013-01-21 to 2014-12-05
Al Ain	ALNE	United Arab Emirates	24.0561N	55.7509E	342	
Al Ais	FGALY	Saudi Arabia	24.7157N	38.3240E	375	
Alajrvi	ALAJF	Finland	63.1346N	24.0486E	142	From 2021-09-30
Alajuela	UELA	Costa Rica	10.0187N	84.2107W	983	
Al Amaaer	HIL01	Saudi Arabia	25.8290N	41.9863E	834	
Alamagan	ALMG	Mariana Islands	17.6010N	145.8380E	490	From 1991-01-01
Alamo	ALA	Nevada,U.S.A.	37.2417N	115.1150W		From 1971-01-01 to 1973-04-30
Alamocita Creek, Datil	X21A	New Mexico,U.S.A.	34.4457N	107.7857W	2141	From 2008-02-09 to 2009-12-04
ALAMOR	LAMO	Ecuador	4.0140S	80.0189W	1382	From 2016-08-02
Alamut, Qazvin	QALM	Iran	36.4320N	50.6465E	2211	From 2012-04-20
Al Anba	URD07	Saudi Arabia	27.6900N	36.6000E	1517	
Aland	AAL	Finland	60.1780N	19.9936E	10	From 2004-04-15
Alanya-ANTALYA	ALAN	Turkey	36.5570N	32.0327E	215	From 2012-10-17
Al Areen	BEE	Bahrain	26.0167N	50.5217E		
Al Aritein	ARTJ	Jordan	32.2467N	36.8283E	1058	From 1987-02-23
Al Arnab	ARNB	Syria	35.8608N	35.9722E	930	From 1995-11-01
Alasht	IALA	Iran	36.0829N	52.8099E	2600	From 2000-08-01
Al Ashush, Dubai	ASUD	United Arab Emirates	24.6260N	55.3292E	132	From 2006-09-19
Alassa	ALAS	Libya	32.8425N	11.6138E	73	
Alat	ALTU	Uzbekistan	39.4500N	63.8500E	191	
Alatna River	F21K	Alaska,U.S.A.	67.2221N	153.4830W	597	From 2016-06-20
Alaus, Posada N	ALAU	Ecuador	2.2061S	78.8483W	2763	From 2012-07-18
Al `Ayyat	AYT	Egypt	29.7044N	31.1529E	145	
Alba	ALBC	Italy	44.6841N	8.0079E	184	From 2022-12-14
Al Bad`	BADA	Saudi Arabia	28.5660N	34.9620E	495	From 1986-01-01
Al Bad`	BDAS	Saudi Arabia	28.4300N	35.1000E	530	
Albannette	OG18	Rhone-Alpes,France	45.1932N	6.4290E	1455	From 1990-12-04
Albano Laziale	ALBL	Italy	41.7245N	12.6591E	371	From 2021-12-09
Albanya	ALBA	Spain	42.3128N	2.7235E	400	
Al Bayda'	BDHA	Yemen	13.9750N	45.5670E	2000	From 1994-11-01
Albemarle	AE-NC	North Carolina,U.S.A.	35.4336N	80.0597W	183	From 1966-12-16 to 1966-12-20
Albemarle	AE-	North Carolina,U.S.A.	35.4336N	80.0597W	183	From 1966-12-16 to 1966-12-20
Albergue Olimpico Salinas	ASPR	Caribbean Sea	18.0289N	66.2345W	164	From 2023-03-24
Alberni	ALB	British Columbia,Canada	49.2717N	124.8300W	25	From 1951-01-01
Albert Glenn Thornton	X60A	North Carolina,U.S.A.	34.5773N	77.9768W	12	From 2013-03-10
Alberton, Johannesburg	ALBD	South Africa	26.2596S	28.1391E	1585	From 2010-03-19
Alberton, Montana	ALMT	Montana,U.S.A.	47.0300N	114.4440W	1696	From 2006-10-20
Al Beshri	BSHR	Syria	35.6685N	39.8185E	852	From 2002-04-01
ALBI	ALB1	Italia	39.0238N	16.5974E	748	From 2020-02-13 to 2022-01-01
Albida	BIDA	Syria	35.0138N	36.3212E	930	From 1995-11-01
Albidona (CS)	BIDON	Italy	39.9457N	16.4559E	957	From 2022-01-01
Al Birk	BRK01	Saudi Arabia	18.2653N	41.5629E	65	
Al Birk	BRK02	Saudi Arabia	17.9600N	41.8250E	61	
Al Birk	BRK03	Saudi Arabia	18.1774N	41.8956E	100	
Al Birk	BRK04	Saudi Arabia	18.6300N	41.8144E	64	
Alboran	EALB	Spain	35.9399N	3.0343W	20	
Alboran Island OBS	ALBO	Spain	35.9318N	3.0188W	-45	From 2009-10-03
Alborean Sea OBS, OB01	OA01	Alborean Sea	35.9805N	2.4012W	-1375	
Alborean Sea OBS, OB02	OA02	Alborean Sea	36.1215N	2.4017W	-1876	
Alborean Sea OBS, OB03	OA03	Alborean Sea	36.2017N	2.6018W	-1829	
Alborean Sea OBS, OB04	OA04	Alborean Sea	36.0902N	2.5970W	-1845	
Alborean Sea OBS, OB05	OA05	Alborean Sea	36.1598N	2.7968W	-1795	
Alborean Sea OBS, OB06	OA06	Alborean Sea	35.9615N	2.6015W	-1171	
Alborean Sea OBS, OB07	OA07	Alborean Sea	35.9002N	2.7968W	-1138	
Alborean Sea OBS, OB08	OA08	Alborean Sea	35.8215N	3.0015W	-1091	
Alborean Sea OBS, OB09	OA09	Alborean Sea	35.7202N	3.1767W	-1031	
Alborean Sea OBS, OB10	OA10	Alborean Sea	35.6300N	3.2913W	-1139	
Alborean Sea OBS, OB11	OA11	Alborean Sea	35.5402N	3.4858W	-1100	
Alborean Sea OBS, OB12	OA12	Alborean Sea	35.6298N	3.4852W	-986	
Alborean Sea OBS, OB13	OA13	Alborean Sea	35.6797N	3.8960W	-1386	
Alborean Sea OBS, OB14	OA14	Alborean Sea	35.7298N	3.7063W	-1321	
Alborean Sea OBS, OB15	OA15	Alborean Sea	35.8502N	3.6063W	-1478	
Alborean Sea OBS, OB16	OA16	Alborean Sea	35.9102N	3.4073W	-1119	
Alborean Sea OBS, OB17	OA17	Alborean Sea	35.9700N	3.2472W	-1335	
Alborean Sea OBS, OB18	OA18	Alborean Sea	36.0502N	3.3768W	-1082	
Alborean Sea OBS, OB19	OA19	Alborean Sea	36.0902N	3.1972W	-1222	
Alborean Sea OBS, OB20	OA20	Alborean Sea	36.1017N	3.0033W	-1713	
Alborean Sea OBS, OB21	OA21	Alborean Sea	36.3202N	2.9808W	-1010	
Alborean Sea OBS, OB22	OA22	Alborean Sea	36.4200N	3.1203W	-917	
Alborean Sea OBS, OB23	OA23	Alborean Sea	36.3800N	3.3602W	-907	
Alborean Sea OBS, OB24	OA24	Alborean Sea	36.2400N	3.2402W	-866	
Alborean Sea OBS, OB25	OA25	Alborean Sea	35.9198N	3.8565W	-1388	
Alborean Sea OBS, OB26	OA26	Alborean Sea	35.9200N	4.1063W	-1367	
Alborean Sea OBS, OB27	OA27	Alborean Sea	36.1302N	4.3558W	-1195	
Alborean Sea OBS, OB28	OA28	Alborean Sea	35.9207N	4.3563W	-1355	
Alborean Sea OBS, OB29	OA29	Alborean Sea	35.9203N	4.6063W	-1165	
Alborean Sea OBS, OB30	OA30	Alborean Sea	35.7303N	4.3570W	-1483	
Albstadt-Ebingen	EBIN	Baden-Wurttemberg	48.2084N	9.0317E	715	From 2016-12-01
Albstadt-Irrenberg	IRRE	Baden-Wurttemberg	48.2814N	8.9445E	867	From 2021-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Albstadt-Onstmettingen	ONST	Baden-Wurttemberg	48.2833N	8.9986E	799	From 2016-12-01
Al Budayyi	BBU	Bahrain	26.2150N	50.4567E		From 1986-01-01
Albudeite (Murcia)	E001A	Spain	38.0172N	1.3933W	275	From 2018-01-11 to 2018-06-26
Albufeira	PALBU	Portugal	37.0958N	8.2484W	11	From 2015-07-18
Albunol	EXAL	Spain	36.7910N	3.2030W	286	
Albuquerque	W22A	New Mexico,U.S.A.	35.0719N	106.8674W	1813	From 2008-01-09 to 2010-02-07
Albuquerque	ANMO	New Mexico,U.S.A.	34.9459N	106.4572W	1820	From 1974-08-01
Albuquerque	ABQ	New Mexico,U.S.A.	34.9425N	106.4570W	1849	From 1974-01-01
Albuquerque	ALQ	New Mexico,U.S.A.	34.9425N	106.4575W	1849	
Alcaldia de Achuapa	AAHN	Leon,Nicaragua	13.0530N	86.5902W	325	From 2015-09-14 to 2017-09-14
Alcaldia de Cuscatancingo	CUSC	El Salvador	13.7269N	89.1804W	668	
Alcalda de Jiquilisco	ALJI	El Salvador	13.3269N	88.5705W	52	
Alcalda de La Libertad	LALI	El Salvador	13.4884N	89.3209W	18	
Alcalda de Panchimalco	PANCS	El Salvador	13.6117N	89.1796W	607	From 2014-06-19
Alcaldia de Quezaltepeque	QUEZ	El Salvador	13.8349N	89.2724W	429	
Alcalda de San Francisco Gotera	FAGO	El Salvador	13.6952N	88.1065W	254	
Alcaldia de San Francisco Menendez	FAME	El Salvador	13.8431N	90.0148W	217	
Alcalda de San Juan Tepezonte	SJTE	El Salvador	13.6142N	89.0069W	793	
Alcaldia de San Lorenzo	SLOZ	El Salvador	14.0261N	89.7837W	492	
Alcaldia de San Marcos	SANM	El Salvador	13.6571N	89.1820W	762	
Alcaldia de Santa Clara	SCLA	El Salvador	13.7019N	88.7284W	526	
Alcaldia de Soyapango	SOYA	El Salvador	13.7035N	89.1509W	651	
Alcaldia de Tecoluca	TECO	El Salvador	13.5373N	88.7807W	326	
Alcaldia, municipal de Juayua	JUA	El Salvador	13.8427N	89.7465W	1057	
Alcan	ALC	Alaska,U.S.A.	62.6225N	141.0080W	582	From 1979-09-25
Alcanar	ALCN	Spain	40.5500N	0.4800E	177	From 2009-10-05
Alcedo, Punta Alfaro	ALCE	Galapagos,Ecuador	0.4416S	91.9707W	980	From 2012-10-07
Alchi Leh	ALCI	India	34.2139N	77.1844E	3135	From 2018-06-06
Alcochete	PACT	Portugal	38.7680N	8.8333W	30	
Alcott Elementary School	ALCT	Washington,U.S.A.	47.6475N	122.0370W	55	
Alcoutim	PALC	Portugal	37.4647N	7.4758W	73	
Alcova	K21A	Wyoming,U.S.A.	42.6332N	107.2510W	1960	From 2008-07-16 to 2010-05-15
Aldan	ALDR	Sakha,Russia	58.6100N	125.4094E	682	
Aldea Palo Blanco	JUT1	Guatemala	14.0297N	90.0182W	1200	From 2021-10-28
Alder Creek	ACK	Alaska,U.S.A.	65.9542N	162.1890W	377	
Alder Peak	PAPM	California,U.S.A.	35.9128N	121.3620W	1015	
Alders End	HAE	England,United Kingdom	52.0376N	2.5475W	224	From 1982-01-01
Alder Springs	GAS	California,U.S.A.	39.6548N	122.7150W	1219	From 1985-04-10
Alder Springs	GASB	California,U.S.A.	39.6547N	122.7160W	1354	From 2005-09-22
Al-Direh	DRHJ	Jordan	29.3580N	34.9620E	10	
Al Duwadimi	DWDS	Saudi Arabia	24.5403N	44.8352E	855	
Alea Permanent	ALEP	Hawaii,U.S.A.	19.5412N	155.6440W	2894	From 2011-11-03
Alefka	ALFC	Cyprus	35.1560N	32.5990E	520	From 1998-11-16
Alegheny College	ALLY	Pennsylvania,U.S.A.	41.6492N	80.1448W	390	
Alekseevka, NSO, Russia	ALXA	Novosibirskaya Oblast',Russia	54.9300N	82.5800E	125	From 2012-02-10
Alemaya	ALME	Ethiopia	9.4300N	42.0400E	2133	From 1988-01-01
Alepoxori	ALPX	Greece	38.0507N	23.1794E	227	From 2020-06-27
Alert	ALE	Northwest Territories,Canada	82.5033N	62.3500W	65	From 1961-09-29
Alessandria	ALSD	Italy	44.9387N	8.5684E	98	From 2019-08-01
Alexander Bay	ALX	New York,U.S.A.	44.3225N	75.9279W	122	From 1976-08-01
Alexander City	AX2AL	Alabama,U.S.A.	32.7772N	86.1300W	213	From 1966-03-24 to 1967-01-16
Alexander City	AX-	Alabama,U.S.A.	32.8356N	86.1764W	183	From 1965-12-03 to 1965-12-13
Alexander City	AX-AL	Alabama,U.S.A.	32.8356N	86.1764W	183	From 1965-12-03 to 1965-12-13
Alexander City	AX2	Alabama,U.S.A.	32.7772N	86.1300W	213	From 1966-03-24 to 1967-01-16
Alexander Place, Bentonia	144A	Mississippi,U.S.A.	32.6304N	90.4226W	78	From 2011-03-22 to 2013-02-01
Alexander Ranch	ARDC	California,U.S.A.	35.4632N	120.9783W	91	
Alexander Valley	GAXM	California,U.S.A.	38.7108N	122.7550W	379	From 1973-09-21
Alexander Way Pleasanton	C053	California,U.S.A.	37.6854N	121.8734W	106	From 2010-11-30
Alexandra	AXZ	South Island,New Zealand	45.2656S	169.3313E	260	From 1996-03-07 to 2004-08-31
Alexandria	F34A	Minnesota,U.S.A.	45.7954N	95.2581W	419	From 2010-09-09 to 2012-07-24
Alexandroupolis	ALN	Greece	40.8972N	26.0456E	110	From 1989-06-01
Alexandroupolis	ALX1	Greece	40.8455N	25.8738E	35	From 2013-08-20
Alexandroupolis	ALEX	Greece	40.8555N	25.9019E	12	
Alexandrovskoye	ALER	Stavropol'skiy Kray	44.7631N	42.9136E	510	From 2012-10-13
Alfacar	AFC	Spain	37.2544N	3.5450W	1490	
Alfacar	ALCS	Spain	37.2542N	3.5439W		From 1982-02-01 to 1982-03-01
Al Faqa, Dubai	FAQ	United Arab Emirates	24.7453N	55.5924E	203	From 2006-05-30
Al Faraah	URD05	Saudi Arabia	27.2300N	36.9600E	1186	
Alfaro Ruiz	ZAPA	Costa Rica	10.1725N	84.3907W	1664	From 2004-01-01
Al Fayyum	FYM	Egypt	29.6923N	31.0430E	210	
Alf Garage	NBB13	Norway	66.6275N	13.3272E	27	From 2013-08-01 to 2016-06-01
Alfred	ALF	New York,U.S.A.	42.2253N	77.7972W	671	From 1971-01-01 to 1978-09-30
Alfred	ALFO	Ontario,Canada	45.6283N	74.8842W	0	From 2009-05-29
Alfred	AFO2	Ontario,Canada	45.6308N	74.8540W	53	
Alfred	AFO1	Ontario,Canada	45.6282N	74.8824W	53	
Alftagrof	IALF	Iceland	63.4910N	19.1844W	132	From 2011-01-11
ALG	MOLA	Algeria	34.6300N	0.0100E	1039	
Alga	ALGA	Kazakhstan	49.9965N	57.2700E	258	From 2022-03-10
Algamitas (Sevilla)	E101A	Spain	37.0147N	5.1519W	440	From 2018-02-06 to 2018-07-23
Algarobillo	CHP4	Peru	4.5019S	80.3600W	220	
Algayed	AKWA	Saudi Arabia	17.2610N	42.6990E	120	
Algeciras	EXAGE	Gulf of Cadiz	36.1324N	5.4489W	36	
Alger-Bouzareah	ABA	Algeria	36.8017N	3.0350E	345	From 1910-01-01
Al Ghardaqah	HHRG	Egypt	27.2193N	33.5691E	400	
Al-Ghuwayriyah	GHRH	Qatar	25.8407N	51.2696E	0	From 2014-05-06
Algiers University	ALG	Algeria	36.7717N	3.0583E	59	From 1949-01-01 to 1982-12-31
Algodonales	EXAO	Spain	36.8820N	5.4040W	370	From 2007-09-17
Algonquin Park	ALGO	Ontario,Canada	45.9544N	78.0509W	235	From 2009-04-27
Alhafirah	HASTF	Saudi Arabia	22.9330N	44.8400E	808	
Alhama Almeria	EXAA	Spain	36.9580N	2.5680W	528	
Al Hamad	HANO	Saudi Arabia	31.3890N	38.3310E	778	
Alhama de Murcia	EALH	Spain	37.8581N	1.4197W	294	From 1986-01-01
Alhama Granada	EXAG	Spain	37.0160N	3.9860W	900	
Alhama Murcia, Murcia	EXAHM	Spain	37.8415N	1.4344W	200	From 2011-05-01
Al Hawiyah	HWYS	Saudi Arabia	21.4349N	40.4177E		
Al Hofuf	HOFOF	Saudi Arabia	25.3994N	49.9026E	100	
Al Hulayfah	HIL02	Saudi Arabia	26.0597N	40.8979E	979	
Alia	ALJA	Italy	37.7490N	13.7537E	700	From 2008-02-14
Aliabad	ALIA	Iran	36.7000N	54.5000E	0	
ALIABAD KATOL	ABGH	Iran	36.7352N	54.7994E	1284	From 2019-05-29
Aliakmonas, N023	N023M	Greece	40.4581N	22.2388E	284	
li-Bayramli	ALIB	Azerbaijan	39.9580N	49.0060E	73	From 2003-08-01
Alibeck	GEYT	Turkmenistan	37.9295N	58.1171E	610	From 2009-12-16
ALIBECK ARRAY SITE A0	GYA0	Turkmenistan	37.9295N	58.1171E	593	From 2010-02-07
ALIBECK ARRAY SITE A0B	GYA0B	Turkmenistan	37.9295N	58.1171E	591	From 2010-02-07
ALIBECK ARRAY SITE A1	GYA1	Turkmenistan	37.9232N	58.1173E	606	From 2010-02-07
ALIBECK ARRAY SITE A2	GYA2	Turkmenistan	37.9355N	58.1213E	518	From 2010-02-07
ALIBECK ARRAY SITE A3	GYA3	Turkmenistan	37.9331N	58.1131E	609	From 2010-02-07
ALIBECK ARRAY SITE B1	GYB1	Turkmenistan	37.9205N	58.1259E	626	From 2010-02-07
ALIBECK ARRAY SITE B2	GYB2	Turkmenistan	37.9376N	58.1269E	551	From 2010-02-07
ALIBECK ARRAY SITE B3	GYB3	Turkmenistan	37.9430N	58.1158E	540	From 2010-02-07
ALIBECK ARRAY SITE B4	GYB4	Turkmenistan	37.9332N	58.0980E	584	From 2010-02-07
ALIBECK ARRAY SITE B5	GYB5	Turkmenistan	37.9206N	58.1085E	704	From 2010-02-07
Alicahue	ALH	Aconcagua,Chile	32.3700S	70.7928W	1890	From 1970-08-01
Alicante	ALI	Spain	38.3553N	0.4873W	35	
Alicante	EXAI	Spain	38.3550N	0.4870W	35	
Alice Springs	ASPA	Northern Territory,Australia	23.6669S	133.9010E	555	From 1982-02-17 to 2006-05-29
Alice Springs	ASP	Northern Territory,Australia	23.6833S	133.8970E	600	From 1970-12-15 to 1982-02-15
Alice Springs Array Beam Reference Point	ASAR	Northern Territory,Australia	23.6664S	133.9040E	607	
Alice Springs Array Site 1	AS01	Northern Territory,Australia	23.6647S	133.9510E	605	From 1986-01-01
Alice Springs Array Site 10	AS10	Northern Territory,Australia	23.6969S	133.9140E	607	From 1986-01-01
Alice Springs Array Site 11	AS11	Northern Territory,Australia	23.6783S	133.8980E	608	From 1986-01-01
Alice Springs Array Site 12	AS12	Northern Territory,Australia	23.6664S	133.9040E	607	From 1986-01-01
Alice Springs Array Site 13	AS13	Northern Territory,Australia	23.6519S	133.8940E	604	From 1986-01-01
Alice Springs Array Site 14	AS14	Northern Territory,Australia	23.6517S	133.9100E	620	From 1986-01-01
Alice Springs Array Site 15	AS15	Northern Territory,Australia	23.6356S	133.9120E	669	From 1986-01-01
Alice Springs Array Site 16	AS16	Northern Territory,Australia	23.6369S	133.9300E	676	From 1986-01-01
Alice Springs Array Site 17	AS17	Northern Territory,Australia	23.6644S	133.9920E	615	From 1986-01-01
Alice Springs Array Site 18	AS18	Northern Territory,Australia	23.6900S	133.9810E	592	From 1986-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Alice Springs Array Site 19	AS19	Northern Territory,Australia	23.7044S	133.9630E	577	From 1986-01-01
Alice Springs Array Site 2	AS02	Northern Territory,Australia	23.6792S	133.9370E	619	From 1986-01-01
Alice Springs Array Site 3	AS03	Northern Territory,Australia	23.6744S	133.9200E	643	From 1986-01-01
Alice Springs Array Site 4	AS04	Northern Territory,Australia	23.6597S	133.9290E	666	From 1986-01-01
Alice Springs Array Site 5	AS05	Northern Territory,Australia	23.6492S	133.9470E	683	From 1986-01-01
Alice Springs Array Site 6	AS06	Northern Territory,Australia	23.6475S	133.9710E	663	From 1986-01-01
Alice Springs Array Site 7	AS07	Northern Territory,Australia	23.6656S	133.9700E	614	From 1986-01-01
Alice Springs Array Site 8	AS08	Northern Territory,Australia	23.6814S	133.9600E	594	From 1986-01-01
Alice Springs Array Site 9	AS09	Northern Territory,Australia	23.6994S	133.9410E	591	From 1986-01-01
Alice Springs Site	AS31	Northern Territory,Australia	23.6651S	133.9053E	627	From 2005-06-20
Alicudi	ACL	Sicily,Italy	38.5331N	14.3556E	140	
Alicudi	IACL	Sicily,Italy	38.5338N	14.3565E	181	From 2007-05-10
Aligegeo Malaita	ALEG	Solomon Islands	8.7539S	160.6952E	56	From 2018-10-12
Alikarnassos	ALKR	Crete	35.3443N	25.1655E	9	From 2020-06-26
Aliki, Aigialia, West Greece	ALIK	Greece	38.2605N	22.1114E	-33	From 2000-04-16
Alishan	ALS	Taiwan region	23.5104N	120.8050E	2413	
Aliwali North,Eastern Cape	ALWL	South Africa	30.8005S	26.3320E	1494	From 2021-07-14
Al Jahlan	JHLN	Syria	35.6725N	38.4411E	459	From 1995-04-01
Aljezur	PALJ	Portugal	37.3183N	8.7980W	9	From 2015-04-18
Aljibe	ALJ	Spain	36.5299N	5.6494W	427	
Al Jubail	NRYS	Saudi Arabia	27.0801N	49.1601E	26	
Alkanpan, Northen Cape, South Africa	ALKP	South Africa	29.9423S	22.2480E	1066	From 2018-09-05
Al Khamasin	KAMS	Saudi Arabia	20.3088N	44.5811E	325	
Al Kharijah	AKRG	Egypt	25.5032N	30.4985E	155	
Al Kharj	KHRJ	Saudi Arabia	23.8360N	47.6810E	493	
Al-Khor Airport	KHOR	Qatar	25.6227N	51.5119E	16	From 2014-05-06
Alki Wastewater Plant ANSS-SMO	ALKI	Washington,U.S.A.	47.5751N	122.4176W	1	From 2004-11-04
Alkurruntz	EALK	Spain	43.2197N	1.5071W	965	From 2003-07-30
All	MALI	Sicily,Italy	38.0530N	15.4000E	1005	From 1993-12-01
Alla	ALL	Buryatiya,Russia	54.7000N	110.7667E		
Alla	ALLA	Buryatiya,Russia	54.7000N	110.7667E		
Allagash	AGM	Maine,U.S.A.	47.0817N	69.0233W	238	From 1975-11-01 to 1999-01-31
Allahabad	ALBI	Uttar Pradesh,India	25.3091N	81.8084E	96	
Allakaket	G21K	Alaska,U.S.A.	66.5156N	153.5058W	446	From 2016-06-18
Alland / Wienerwald	WINA	Austria	48.1074N	16.0731E	417	From 2019-09-25
Allapoint, Allagash	D62A	Maine,U.S.A.	47.0819N	69.0501W	189	From 2013-10-08
Allard Ranch, Norris	J28A	South Dakota,U.S.A.	43.4239N	101.2359W	835	From 2009-06-02 to 2011-05-05
Allegan	ACM	Michigan,U.S.A.	42.6475N	85.8517W	268	
Allendale	XAL	England,United Kingdom	54.8617N	2.2147W	462	From 1983-07-10
Allendale	NADM	California,U.S.A.	38.4599N	121.9704W	38	
Allen Road	ALRZ	North Island,New Zealand	38.5620S	176.3430E	405	From 2007-11-07
Allensteig Bunker Niedersterreich Austria	ABNA	Austria	48.6705N	15.4332E	571	From 2020-12-31
Allentown	O61A	New Jersey,U.S.A.	40.0934N	74.5530W	38	From 2013-05-29
Allentown	ATPA	Pennsylvania,U.S.A.	40.5767N	75.5886W	61	
Allerheiligen	A016A	Austria	48.3014N	14.6496E	565	From 2015-06-23
Alliance	AI-NB	Nebraska,U.S.A.	42.1328N	103.2764W	1311	From 1962-11-07 to 1962-12-12
Alliance	AI-	Nebraska,U.S.A.	42.1328N	103.2764W	1311	From 1962-11-07 to 1962-12-12
Al Lith	LITH	Saudi Arabia	20.7161N	40.6161E	100	
Al Lith	LTHS	Saudi Arabia	20.2757N	40.4111E	121	
Allumiere - RM	TO02	Italy	42.1378N	11.8886E	410	From 2008-04-11 to 2009-04-02
Alma-Ata	AA1	Kazakhstan	43.2717N	76.9467E	800	
Alma-Ata	AAA	Kazakhstan	43.2090N	76.9150E	920	From 1927-08-04
Almabolaq	IALM	Iran	34.8601N	48.1676E	2450	
Almaden	AMC	California,U.S.A.	37.1583N	121.8470W	244	From 1968-10-16
Almaden	JALM	California,U.S.A.	37.1583N	121.8470W	244	From 1968-10-16
Al Mahd	MHDS	Saudi Arabia	23.6628N	40.7324E	100	
Al Majmaah	MJMS	Saudi Arabia	26.0470N	45.6577E	668	
Al Majma`ah	MJMA	Saudi Arabia	25.8550N	45.2890E	650	From 1990-03-01
Almalik (Terakly)	TRKL	Uzbekistan	40.7072N	69.5968E	956	
Al Marj	MARJ	Libya	32.5818N	20.8757E	408	
Almaty	KNDC	Kazakhstan	43.2172N	76.9658E	900	From 2005-11-28
Almayashu	AML	Kyrgyzstan	42.1311N	73.6941E	3400	
Al-Mazaregh	MZRK	Syria	35.8266N	40.6525E	373	From 2002-04-01
Almeirim	AMRP	Portugal	39.1583N	8.5750W	160	From 1990-02-01 to 2009-05-30
Almeirim	ALMR	Portugal	39.1555N	8.5768W	165	
Almeria	ALM	Spain	36.8525N	2.4598W	65	
Almeria	EXAM	Spain	36.8520N	2.4590W	65	
ALMN	ALMN	East of Mariana Islands	17.6124N	145.8212E	109	
ALMNKUR	MNKR	Syria	35.9425N	39.2708E	376	From 2002-04-01
Almog	ALMO	Israel	31.7897N	35.4611E	0	From 2018-02-26
Al Mukalla	MUKL	Yemen	14.4760N	49.0360E	41	
Al Mukha	MUKH	Yemen	13.3150N	43.2653E	0	
Al Muraba'a	MURBA	Saudi Arabia	25.4081N	38.2507E	494	
Almuwaylih	MWLHS	Saudi Arabia	27.7470N	35.5150E	112	
Almyros	ALM1	Thessaly	39.1808N	22.7605E	20	From 1985-05-06
Al-Naaiem	NAY	Kuwait	29.2489N	47.2421E	218	
Al N del Volcan Masaya	MAS3	Nicaragua	12.0243N	86.1757W	347	From 2001-01-01
Al Neser	NSR4	Iraq	31.5399N	46.2016E	7	
Al O del Volcan Cerro Negro	PACN	Nicaragua	12.5008N	86.7923W	220	From 2001-01-01
Al O del Volcan Concepcion	MORN	Nicaragua	11.5467N	85.6480W	350	From 2001-01-01
ALONIM	ALON	Israel	32.7211N	35.1424E	177	From 2018-09-06
Alonissos	ALNA	Greece	39.1477N	23.8667E	51	From 2010-09-08
Alonissos-2	AOS2	Greece	39.1478N	23.8436E	185	From 2018-06-25
Alonnisos	AOS	Greece	39.1703N	23.8800E	200	From 1996-07-11
Alor Selatan	AAFM	Indonesia	8.2734S	124.7237E	828	
Alotau	ALOA	Papua New Guinea	10.2983S	150.3770E	10	From 1984-02-03
Alotau	ALTO	Papua New Guinea	10.2988S	150.4556E	158	From 2013-05-01
Alotau	ALOT	Papua New Guinea	10.2960S	150.4640E	200	From 1982-11-08 to 1984-02-03
Alotenango, Sacatepequez	FG16	Guatemala	14.2730N	90.5105W	1743	
ALPA Array Beam Reference Point	ALAR	Alaska,U.S.A.	65.0653N	147.5639W	626	
ALPA Array Site 31	AL31	Alaska,U.S.A.	65.0653N	147.5639W	626	
ALPA Array Site 32	AL32	Alaska,U.S.A.	65.1944N	147.3161W		
ALPA Array Site 33	AL33	Alaska,U.S.A.	65.0286N	147.1961W		
ALPA Array Site 35	AL5	Alaska,U.S.A.	64.9447N	147.8595W		From 1993-07-01
ALPA Array Site 36	AL36	Alaska,U.S.A.	65.0978N	148.0014W		
ALPA Array Site 37	AL37	Alaska,U.S.A.	65.2333N	147.7433W		
Alpago	APGO	Italy	46.1516N	12.3630E	598	From 2017-04-12
Alpe di Rosciora stable-part 5, Preonzo, TI	PREO5	Switzerland	46.2507N	8.9825E	1523	From 2018-12-07
Alpe Faloria	AFL	Italy	46.5300N	12.1800E	2235	
Alpha Peak	APW	Washington,U.S.A.	46.6517N	122.6470W	457	
Alpine	ALPN	Texas,U.S.A.	30.3745N	103.6385W	1368	From 2017-02-02
Alpine	ALPW	Wyoming,U.S.A.	43.1506N	110.9980W	1792	From 1986-01-01
Alpnach	APL	Switzerland	46.9496N	8.2428E	880	From 1992-12-01 to 2004-08-05
Al Qalibar	QLABS	Saudi Arabia	27.8552N	37.9274E	1113	
Al-Qirein	QRNJ	Jordan	32.3350N	35.5750E	-180	
Al Qrash	TRAS	Saudi Arabia	25.0596N	38.5670E	337	
Alquife, Granada	E015	Spain	37.1743N	3.1115W	1316	From 2007-06-27 to 2009-06-25
Al Qunfudhah	QNFDS	Saudi Arabia	19.7990N	40.9420E	114	
Al Qunfudhah	QNF01	Saudi Arabia	19.3938N	41.2789E	122	
Al Qunfudhah	QNF02	Saudi Arabia	19.0586N	41.4871E	121	
Al-Qurain	QRN	Kuwait	28.7444N	47.9177E	135	
Al Qurrayyat	QREAT	Saudi Arabia	31.5000N	37.5670E	650	
Al-Radifah	RDF	Kuwait	28.9259N	47.5497E	180	
Al-Rafai	RAFI	Iraq	31.7230N	46.1140E	24	From 2015-10-03
Al Salmeh	SLMH	Syria	36.2139N	37.9278E	510	From 1995-04-01
Al S del Volcan Telica	QUEN	Nicaragua	12.5918N	86.8518W	460	From 2001-01-01
Al S de San Juan del Rio Coco	RCFN	Madriz,Nicaragua	13.5313N	86.2122W	1335	From 2001-01-01
Al Shahba	SHBJ	Jordan	32.3025N	37.8280E	960	From 1987-10-24
Al Sharaya	SHRA	Saudi Arabia	21.4789N	39.9681E	413	From 1995-01-01
Al-Shehemyia	SHMA	Qatar	25.8565N	50.9640E	0	From 2014-05-06
Al Sooda	SODA	Saudi Arabia	18.2900N	42.3740E	2600	From 1989-06-06
Al SSO del Volcan Cerro Negro	CNGA	Nicaragua	12.4944N	86.7016W	489	From 2001-01-01
Al SSO del Volcan Concepcion	OMEN	Nicaragua	11.5098N	85.6268W	160	From 2001-01-01
Al SSO del Volcan Masaya	JAPN	Nicaragua	11.5258N	85.6783W	154	From 2001-01-01
Alsterbro	ATR	Sweden	56.9950N	15.9180E	119	From 1980-01-01
Alston	ALST	Oregon,U.S.A.	46.1090N	123.0329W	198	
Al Sur del Volcan Telica	HOYN	Nicaragua	12.5987N	86.8280W	775	From 2001-01-01
Al Sur del Volcan Telica	POLN	Nicaragua	12.6493N	86.8128W	330	From 2001-01-01
Alta	AAU	Utah,U.S.A.	40.5919N	111.6380W	2694	From 1974-11-01 to 1976-04-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Altamira	ATB	Para,Brazil	3.2878S	52.2250W		
Altamura	AMUR	Italy	40.9071N	16.6041E	443	From 2005-08-03
Alta Sierra Campground	WASM	California,U.S.A.	35.7382N	118.5570W	1871	
Alta Urco	ALTA	Ecuador	2.4737S	78.9893W	2700	From 1996-03-05
ALTAVILLA IRPINA	ALT11	Italy	41.0108N	14.7805E	368	From 2017-05-20
Altdorf, Kantonsspital	SALTS	Switzerland	46.8821N	8.6383E	450	From 2012-10-01
Alteburg	ABH	Rheinland-Pfalz,Germany	49.8797N	7.5467E	620	From 1993-01-01
Alter Ridge	ALD	Washington,U.S.A.	45.8194N	120.0670W	427	From 1975-11-01
Altes Rathaus Auernheim	A360A	Germany	48.7289N	10.2971E	635	From 2015-12-01
Alte Warth	WARTH	Thuringen	50.8452N	10.3180E	402	From 2021-10-26
Altiaghaj	ATGJ	Azerbaijan	40.8610N	48.9380E	1133	From 2009-09-07
Altintas	ALT	Turkey	39.0552N	30.1103E	1060	From 1973-06-27
Altintas	ALTN	Turkey	40.3578N	28.9638E	29	From 2005-10-26
Altinyayla-SIVAS	CUALT	Turkey	39.2734N	36.7526E	1482	From 2010-07-06 to 2015-05-24
Altmuhljura-Amtmannsdorf	ALTM	Bayern,Germany	48.9950N	11.5200E	430	From 2003-01-01
Alto Alegre (Brazil)	ALGR	Rio Grande do Sul	28.7981S	53.0280W	775	From 2016-05-14
Alto Anchicaya	ANCC	Colombia	3.5153N	76.8667W	540	
Alto Bandera	ABDR	Dominican Republic	18.8120N	70.6267W	2843	From 2014-02-20
Alto Bandera	DR10	Dominican Republic	18.8082N	70.6878W	2470	
Alto Boquete	APOP	Panama	8.7200N	82.5330W	1429	
Alto Boquete, Panama	BQSF3	Panama	8.7422N	82.4336W	1053	
Alto Masis	AMAS	Costa Rica	10.6115N	84.9930W	979	From 2000-01-01
Alton	ID09	Idaho,U.S.A.	42.2444N	111.1936W	2088	From 2017-09-09 to 2017-10-26
Altona	ATO	Oklahoma,U.S.A.	35.7922N	98.1195W	364	From 1982-11-11
Altoona	AS-PA	Pennsylvania,U.S.A.	40.7331N	78.5239W	469	
Altos	ACH	Panama	8.6635N	79.9292W	900	
Alturas Coton, Coto Brus	ALCO	Costa Rica	8.9498N	82.8336W	1504	
Alturitas	ALTV	Venezuela	9.7516N	72.4178W		
Altzomoni	IIA	Mexico D.F.,Mexico	19.1495N	98.6583W		
Al `Udayn	UDYN	Yemen	13.9670N	43.9670E	1370	From 1994-11-01
Al Uja	UJAP	Palestine Territories	31.9520N	35.4644E	-192	From 2012-06-13
Al Ula	URD02	Saudi Arabia	26.6200N	37.8600E	1185	
Al Ula	URD03	Saudi Arabia	26.6700N	37.4500E	833	
Alum Ck. St. Park	ACOH	Ohio,U.S.A.	40.2318N	82.9833W		
Alum Creek State Park	ACSO	Ohio,U.S.A.	40.2319N	82.9820W	288	From 2000-05-14
Alumot	AMOT	Israel	32.7080N	35.5468E	64	From 2018-07-17
Alushta	ALU	Crimea	44.6820N	34.4030E	61	
Al`Uyaynah	AYN	Saudi Arabia	28.8660N	36.0010E	770	From 1986-01-01
Alvank	ALVK	Armenia	38.9410N	46.3500E	666	
Alvarado	FW14	Texas,U.S.A.	32.3991N	97.1923W	219	From 2016-11-14
Alvares	PCAL	Portugal	40.0309N	8.0718W	454	From 2010-01-01
Alvarez, DES	DESMX	Baja California	32.1783N	116.8783W	390	
Alvey	ALVY	Oregon,U.S.A.	43.9981N	123.0158W	155	
Alview-dairyland Union Elementary, Dairyland, CA USA	AVW	California	37.0490N	120.4713W	45	From 2022-03-01
Alvord Mountain	ALV	California,U.S.A.	35.0617N	116.6289W	640	
Al Wafrah	KFJS1	Saudi Arabia	28.1866N	47.9416E	161	
Al Wahab	WHAB	Syria	35.9171N	37.5520E	630	From 1995-04-01
Al Wajh	WAJH	Saudi Arabia	26.1760N	36.5600E	75	From 1988-06-20
Al Wajh	EWJHS	Saudi Arabia	26.1572N	36.6550E	104	
Al Wanan	WANAN	Saudi Arabia	26.8988N	48.4775E	45	
Alzada	G24A	Montana,U.S.A.	45.3280N	104.4163W	1147	From 2008-11-25 to 2010-08-15
Al Zarqa	HSUJ	Jordan	32.1050N	36.1930E	613	From 2010-01-01
Amambai (Brazil)	AMBA	Brazil	22.9269S	54.9907W	358	From 2016-05-08
Amaminishikomi	JAMN	Ryukyu Islands,Japan	28.2430N	129.1750E	10	From 2009-03-01
Amami Oshima	JAM	Ryukyu Islands,Japan	28.4113N	129.6052E	15	
Amandola	AMAD	Italy	42.9804N	13.3557E	501	From 2019-05-30
Amandola Base Costone Ospedale	AM04	Italy	42.9833N	13.3650E	455	From 2016-08-29
Amandola Campo Sportivo	AM05	Italy	42.9774N	13.3528E	464	From 2016-09-30
Amandola Istituto Tecnico	AM02	Italy	42.9796N	13.3536E	516	From 2016-08-29
Amandola Ospedale	AM03	Italy	42.9816N	13.3628E	511	From 2016-08-29
Amandola Torre del Podest	AM01	Italy	42.9806N	13.3587E	549	From 2016-08-29
Amanu	AMN	Tuamotu,French Polynesia	17.8506S	140.8590W	2	From 1976-01-01
Amapala	AMPH	Honduras	13.2858N	87.6586W	15	
Amara	AMRR	Romania	44.6103N	27.3354E	67	
Amarah	AMR2	Iraq	31.9899N	47.1902E	9	From 2015-11-07
Amargosa	AMR	California,U.S.A.	36.3975N	116.4745W	725	From 1978-07-24 to 2002-12-10
Amargosa	AMDNV	Nevada,U.S.A.	36.4526N	116.2809W	0	
Amarillo	AMTX	Texas,U.S.A.	34.8837N	101.6808W	1010	From 2004-09-30
Amarillo	AZ-TX	Texas,U.S.A.	35.4300N	101.9306W	988	From 1963-08-28 to 1964-03-06
Amarillo	W29A	Texas,U.S.A.	35.1212N	101.6476W	1072	From 2009-01-21 to 2010-11-14
Amarillo	AZ-	Texas,U.S.A.	35.4300N	101.9306W	988	From 1963-08-28 to 1964-03-06
Amaseno	AMSN	Italy	41.4684N	13.3336E	107	From 2019-09-20
Amasra-Bartin	MASR	Turkey	41.7599N	32.4691E	330	From 2011-02-22
Amasugawa 1	AM1	Shiga,Japan	35.4444N	135.9186E	250	
Amasugawa 2	AM2	Shiga,Japan	35.4441N	135.9215E	180	
Amasya-Merkez	AMSY	Turkey	40.6370N	35.8347E	950	From 2013-05-30
Amatignak Island	AMA	Alaska,U.S.A.	51.2884N	179.1090W	503	From 1970-10-09 to 1973-04-30
Amatrice (agriturismo)	MZ28	Italy	42.6214N	13.3079E	992	From 2016-10-14 to 2016-11-17
Amatrice (Alberghiero)	MZ30	Italy	42.6264N	13.2906E	946	From 2016-10-27 to 2016-11-17
Amatrice (caseificio storico)	MZ29	Italy	42.6304N	13.2925E	884	From 2016-10-27 to 2016-11-17
Amatrice (fosso)	MZ31	Italy	42.6245N	13.2899E	872	From 2016-10-27 to 2016-11-17
Amatrice, Frazione Cossitto (RI)	T1204	Italy	42.6760N	13.3167E	1507	From 2016-08-24 to 2017-05-23
Amatrice (garden)	MZ12	Italy	42.6280N	13.2918E	958	From 2016-09-20 to 2016-11-17
Amatrice RAN	MZ08	Italy	42.6325N	13.2866E	897	From 2016-09-20 to 2016-11-17
Amatrice San Cipriano	MZ10	Italy	42.6251N	13.2998E	979	From 2016-09-20 to 2016-11-17
Amatzia	AMZI	Israel	31.4590N	34.9125E	151	
Amatzia	AMAZ	Israel	31.5325N	34.9154E	396	From 2005-12-05
Ambam, CM06	ACM06	Cameroon	2.3850N	11.2680E	574	
Ambar	AMP	Pakistan	34.0550N	72.4150E	361	From 1973-08-23 to 2009-09-20
Ambar	AMB1	Pakistan	34.0540N	72.4150E	320	From 2009-09-20
Ambato 1 (Municipio)	AAM1	Ecuador	1.2419S	78.6297W	2836	From 2011-12-17
Ambato 2 (Mercado Amrica)	AAM2	Ecuador	1.2691S	78.6109W	2664	From 2011-03-12
Ambatolahisoa	DGRM	Madagascar	19.2576S	46.4246E	1453	
Ambatonomby	OBY	Madagascar	19.3680S	47.4570E	1625	
Amberd	AMBZ	Armenia	40.3880N	44.2590E	2200	
Amberley	AMCZ	South Island,New Zealand	43.1765S	172.6515E	179	From 2012-02-25
Amberley HDC	AMBC	South Island,New Zealand	43.1547S	172.7309E	41	From 2004-11-27
Amberson	O57A	Pennsylvania,U.S.A.	40.2104N	77.6354W	377	From 2013-05-22
Ambohiby	ATG	Madagascar	18.8790S	46.1880E	1520	From 1994-06-16
Ambohidratompo	OPO	Madagascar	18.5706S	47.1879E	1463	From 1978-11-17
Ambohimiarambe	ABM	Madagascar	19.7810S	47.3650E	1843	From 1982-03-23
Ambohimpanom	ABPO	Madagascar	19.0174S	47.2275E	1528	
Ambon	AMO	Ambon,Indonesia	3.7000S	128.1670E		
Ambon	AAI	Ambon,Indonesia	3.6870S	128.1945E	80	From 1975-01-01
Amboy	AB-	West Virginia,U.S.A.	39.3306N	79.5669W	914	
Amboy	F04A	Washington,U.S.A.	45.9325N	122.4193W	211	From 2005-10-25 to 2008-10-27
Amboy	AB-WV	West Virginia,U.S.A.	39.3306N	79.5669W	914	
Ambrzfalva	AMBH	Hungary	46.3501N	20.7258E	95	From 2013-03-07
Ambulong	AMB	Luzon,Philippines	14.0833N	121.0500E	10	From 1910-01-01 to 1999-08-25
Amchitka	ASB	Alaska,U.S.A.	51.3604N	179.2470E		From 1969-05-25 to 1973-04-30
Amchitka	ASC	Alaska,U.S.A.	51.4631N	179.1580E		From 1969-07-28 to 1972-12-11
Amchitka	ASD	Alaska,U.S.A.	51.3907N	179.3420E		From 1969-05-29 to 1973-04-30
Amchitka	AEB	Alaska,U.S.A.	51.3604N	179.2470E		
Amchitka	AMKA	Alaska,U.S.A.	51.3783N	179.3019E	115	
Amchitka	AWA	Alaska,U.S.A.	51.3746N	179.2530E		
Amchitka	AND	Alaska,U.S.A.	51.5623N	178.9530E	186	From 1970-07-18 to 1973-04-30
Amchitka	ANB	Alaska,U.S.A.	51.6062N	178.7920E		From 1970-10-14 to 1971-04-30
Amchitka	ANA	Alaska,U.S.A.	51.6277N	178.6560E		From 1969-08-25 to 1973-04-30
Amchitka	AC-IS	Alaska,U.S.A.	51.3894N	179.3425E	61	
Amchitka	AMC*	Alaska,U.S.A.	51.4097N	179.2922E	0	From 1965-01-01 to 1966-01-01
Amchitka Central A	ACA	Alaska,U.S.A.	51.4809N	179.1190E	42	From 1971-05-08 to 1972-12-11
Amchitka Central B	ACB	Alaska,U.S.A.	51.4626N	179.0910E	47	From 1971-05-08 to 1972-06-30
Amchitka Central C	ACC	Alaska,U.S.A.	51.4843N	179.0430E	26	From 1971-05-08 to 1972-06-30
Amchitka Central D	ACD	Alaska,U.S.A.	51.4282N	179.1370E	37	From 1971-05-08 to 1972-06-30
Amchitka Central E	ACE	Alaska,U.S.A.	51.4005N	179.1730E	9	From 1971-05-08 to 1972-06-30
Amchitka Central F	ACF	Alaska,U.S.A.	51.5258N	178.9940E	62	From 1971-05-08 to 1972-06-30
Amchitka East	AME	Alaska,U.S.A.	51.3867N	179.2550E		
Amderma	AMD	Arkhangel'skaya Oblast',Russia	69.7667N	61.6833E		
Amderma	AMDE	Arkhangel'skaya Oblast',Russia	69.7607N	61.6782E	48	From 2010-11-28 to 2019-10-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Amderma1	AMDE1	Arkhangel'skaya Oblast'	69.7218N	61.6696E	40	From 2019-10-04
AMECAMECA	AMVM	Mexico State,Mexico	19.1318N	98.7858W	2458	From 2009-08-18
Amedichi	ACHS	Sakha,Russia	57.0300N	122.8500E	930	From 1989-05-01 to 1989-08-31
Amelia	AMI	Italy	42.5851N	12.4286E		
Amelia	AM9	Italy	42.5851N	12.4286E		From 1980-06-01 to 1980-07-01
American Fork	AMF	Utah,U.S.A.	40.4020N	111.7880W	1445	
Americas 2	WILN	Nicaragua	12.1607N	86.1875W	20	
Americus	253A	Georgia,U.S.A.	32.0612N	84.1294W	136	From 2012-03-10
Americus	AMG	Georgia,U.S.A.	32.0594N	84.2177W	106	From 1973-09-01
Amfilochia	AML1	Greece	38.8617N	21.1657E	100	From 1981-12-15
AMGES	AMGES	Saudi Arabia	18.4649N	41.5363E	133	
Amiad	AMID	Israel	32.9270N	35.5393E	274	From 2017-11-21
Amirabad Tehran	TEHA	Iran	35.7464N	51.3868E	1416	From 2015-09-28
Amirim	GIF7	Israel	32.9440N	35.4480E	200	From 1993-05-01 to 1993-05-31
Amirim	GIF8	Israel	32.9380N	35.4610E	200	From 1993-05-01 to 1993-05-31
Amite	445A	Louisiana,U.S.A.	30.7303N	90.3380W	51	From 2011-03-10 to 2012-12-08
Ammassalik, Greenland	ANGG	Greenland	65.6160N	37.6370W	0	From 2000-02-03
Amo	AMJ	Gifu,Japan	36.2494N	137.0280E	620	From 1975-08-05
Amorgos	AMOR	Greece	36.9898N	25.9863E	240	
Amorgos Island	AMGA	Greece	36.8316N	25.8938E	343	From 2012-05-31
Amos	AMS	California,U.S.A.	33.1413N	115.2540W	140	From 1973-04-16 to 2008-02-22
Ampana	APSI	Sulawesi,Indonesia	0.9108S	121.6487E	0	From 2007-12-01
Ampelaki	AMPL	Greece	38.9224N	21.2135E	260	From 2019-04-22
Ampelochori, Viotia, Greece	AMPE	Greece	38.3015N	23.2688E	365	From 2021-08-03
AMRM	AMRM	Israel	29.6650N	34.9600E	120	From 1985-11-07 to 1986-02-01
Amsterdam Island	AIS	Amsterdam Island,France	37.7966S	77.5694E	36	
Amyntaio	AMYA	Greece	40.6915N	21.6795E	590	
Anacapa Island	AIC	California,U.S.A.	34.0133N	119.4370W	113	From 1973-02-23
Anaconda	AMM	Montana,U.S.A.	46.0942N	112.9510W	2051	
Anadia - AL	NBAN	Alagoas,Brazil	9.6686S	36.2746W	260	From 2011-08-31
Anadyr'	ANDR	Magadanskaya Oblast',Russia	64.7340N	177.4950E	55	
Anadyr, Chukotka	ANDR2	Magadanskaya Oblast',Russia	64.7186N	177.7404E	55	From 2005-12-26
Anadyr, Chukotka	ANSS	Magadanskaya Oblast',Russia	64.7830N	177.5830E	20	From 1980-11-10 to 1993-01-01
Anafi Island	ANAF	Greece	36.3567N	25.7726E	335	From 2012-03-07
Aaga	TANA	Canary Islands	28.5321N	16.2906W	931	From 2016-11-08
Anaheim Lake	ALRB	British Columbia,Canada	52.5103N	125.0844W	1237	From 2006-08-30
Anaktuvuk Pass	E22K	Alaska,U.S.A.	68.1343N	151.8132W	772	From 2016-06-28
Anamosa	L40A	Iowa,U.S.A.	42.0628N	91.2218W	242	From 2011-06-20 to 2013-11-27
Anan'yevo	ANVS	Kyrgyzstan	42.7830N	77.6670E	1860	
Anapa	ANN	Krasnodarskiy Kray,Russia	44.8000N	37.4330E	35	
Anar	KANR0	Iran	30.9407N	55.4047E	1600	From 2021-07-01
Anarak	ANAR	Iran	33.1897N	53.7288E	1322	From 2011-04-01
Anatahan	ANNT	East of Mariana Islands	16.3580N	145.7162E	199	
Anatahan	ANLB	East of Mariana Islands	16.3653N	145.6460E	190	
Anatahan	ANAT	Mariana Islands	16.3530N	145.6560E	510	
Anatahan	ANSW	East of Mariana Islands	16.3417N	145.6734E	39	
Anatahan	ANA2	Mariana Islands	16.3412N	145.7115E	314	
Anatahan S. Rim	AFOK	Mariana Islands	16.3416N	145.6746E	418	
Ana Tenorio	PIAT	Ecuador	0.9971S	78.2616W	3021	From 2012-06-15
Anbar	ANB1	Iraq	33.4018N	43.2576E	52	From 2018-10-16
Anchorage	ANI*	Alaska,U.S.A.	61.2417N	149.8270W		From 1964-03-30 to 1964-06-27
Anchorage	AMU	Alaska,U.S.A.	61.1917N	149.8050W	53	From 1965-02-01 to 1975-12-05
Anchorage	ANH	Alaska,U.S.A.	61.2417N	149.8267W	30	From 1964-03-30 to 1964-06-27
Anchorite	ANCR	Nevada,U.S.A.	38.1732N	118.7537W	2250	
Ancient Thera,Santorini,Greece	THERA	Greece	36.3670N	25.4753E	287	From 2019-06-14
Ancon	PP10	Peru	11.7723S	77.1432W	56	
Ancona	AOI	Italy	43.5500N	13.6020E	530	
Ancona	ANS	Italy	43.5522N	13.4622E	295	From 1973-01-01
Ancona Politecnico	UNPM	Italia	43.5867N	13.5167E	148	From 2017-10-12
Andalgala	ANL	Catamarca,Argentina	27.6167S	66.3167W		
Andarivi	COLL	Bolivia	16.9221S	68.3147W	4329	From 1994-05-30 to 1995-01-14
Andau	A003A	Austria	47.7589N	17.0530E	116	From 2015-10-28
Anderson	ANTN	Tennessee,U.S.A.	36.1717N	85.2313W	612	
Anderson Farm, Haxtun	N27A	Colorado,U.S.A.	40.8063N	102.5367W	1228	From 2008-12-04 to 2010-10-12
Anderson Peak	BAPM	California,U.S.A.	36.1758N	121.6430W	1219	
Anderson Ranch, Garber	U34A	Oklahoma,U.S.A.	36.4365N	97.5354W	345	From 2009-10-23 to 2011-09-02
Anderson Ranch, Keeline	K24A	Wyoming,U.S.A.	42.7225N	104.8152W	1593	From 2008-10-24 to 2010-09-10
Anderson Res.	CADM	California,U.S.A.	37.1638N	121.6258W		From 1967-08-25
Anderson Reservoir	ADR	California,U.S.A.	37.1638N	121.6258W	207	From 1967-08-25
Andijan	ANDJ	Uzbekistan	40.7549N	72.3640E	528	
Andimeshk	IAND	Iran	32.4250N	48.3556E	0	From 1998-01-01
Andirin	ANDN	Turkey	37.5800N	36.3452E	1142	From 2006-11-06
Andizhan	ANR	Uzbekistan	40.7550N	72.3600E	494	
Andong	KSADO	Republic of Korea	36.4121N	128.9488E	0	From 2007-12-26
Andong	KSAND	Republic of Korea	36.5687N	128.7057E	139	From 1999-04-16
Andong Acc Borehole	ADOA	Republic of Korea	36.5727N	128.7009E	149	From 2015-10-01
Andoni	OMUT	Namibia	18.4093S	16.6364E	1098	
Andorre	PAND	Andorra	42.5225N	1.5467E	1857	From 1991-10-25
Andozero	ADZR	Arkhangel'skaya Oblast'	63.9295N	38.2853E	51	From 2015-11-06
Andravida	ANDM	Greece	37.9831N	21.2726E	1	
Andretta	AND3	Italy	40.9298N	15.3331E	905	
Andrews Acres Farm, Gillet	L57A	Pennsylvania,U.S.A.	42.0005N	76.8492W	546	From 2013-08-29
Andros, ANDR	ANDRE	Greece	37.8361N	24.9482E	64	
Anegada	ABV	Virgin Islands	18.7298N	64.3320W	35	From 2004-06-01
Anegada Island	ABVI	British Virgin Islands	18.7297N	64.3325W	8	
Aelo, Neuquen, Argentina	ANEL	Neuquen	38.3477S	68.7874W	485	From 2019-06-30
Anensky vrch	ANAC	Czech Republic	50.0745N	17.3790E	851	From 2001-02-01
Angarakan	ANGR	Buryatiya,Russia	56.3500N	113.6700E	1450	From 1977-01-01 to 1981-12-31
Angavokely	AVY	Madagascar	18.9279S	47.7376E	1807	From 1973-01-01
Angela	AN-MA	Montana,U.S.A.	46.7522N	106.0917W	907	From 1964-11-16 to 1965-06-11
Angela	AN-	Montana,U.S.A.	46.7522N	106.0917W	907	From 1964-11-16 to 1965-06-11
Angel Island	LT13	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel Island	AGC	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel Island	CAIM	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel's Peak	APK	Nevada,U.S.A.	36.3194N	115.5740W	2680	From 1975-06-15 to 1983-09-06
Angels Peak	APKW	Nevada,U.S.A.	36.3198N	115.5868W	2580	From 1983-09-06 to 2002-10-10
Angelsportverein	INSH	Germany	49.1473N	8.1658E	130	From 2012-03-15
Angle Creek	ANCK	Alaska,U.S.A.	58.1988N	155.4940W	869	From 1996-08-01
Angle Creek Headwaters	ACHA	Alaska,U.S.A.	58.2107N	155.3260W	960	From 1996-08-01
Angle Mountain	ANGW	Wyoming,U.S.A.	43.8318N	110.1900W	2743	From 1990-09-01
Angol	ANGC	Malleco,Chile	37.7833S	72.7083W	70	From 1988-01-01
Angol	AGCH	Maule,Chile	37.8093S	72.6964W	81	From 2005-12-20
Angono	ARP	Luzon,Philippines	14.5380N	121.1530E	85	
Angora Road	ANWZ	North Island,New Zealand	40.4597S	176.4751E	132	From 2008-08-07
Angostura	ANGV	Venezuela	9.7050N	69.5217W	680	From 1984-01-01 to 1999-08-25
Angra dos Reis-Rio de Janeiro-Brazil	ESAR	Rio de Janeiro,Brazil	23.0207S	44.4403W	5	From 2006-09-03
Angra dos Reis-RJ	MAN01	Rio de Janeiro,Brazil	22.8652S	43.9641W	617	From 2011-01-30
Angra Heroismo	ADH	Azores,Portugal	38.6550N	27.2350W	83	
Angra Heroismo	ADH0	Azores,Portugal	38.6633N	27.2066W	100	From 1988-12-12 to 2000-05-17
Angren	YANG	Uzbekistan	41.1230N	70.1010E	1385	
Angren	ANE	Uzbekistan	41.0100N	70.2600E	951	
Angseong	AGSA	Republic of Korea	37.0917N	127.8081E	104	From 2018-03-09
Angureal	ANGU	Ecuador	0.0468N	78.0083W	4680	From 2005-09-20
Aniakchak	ANI	Alaska,U.S.A.	57.0417N	158.0400W	0	
Aniakchak	ANON	Alaska,U.S.A.	56.9198N	158.1716W	445	
Aniakchak	AZAC	Alaska,U.S.A.	56.8954N	158.2307W	1057	
Aniakchak	ANKA	Alaska,U.S.A.	56.9058N	158.2290W	863	From 1994-08-01
Aniakchak Crater	ANIA	Alaska,U.S.A.	56.9056N	158.2293W	930	
Aniakchak Jack	AJAX	Alaska,U.S.A.	56.8895N	158.2215W	967	
Aniakchak Northeast	ANNE	Alaska,U.S.A.	56.9127N	158.0589W	705	
Aniakchak Northwest	ANNW	Alaska,U.S.A.	56.9664N	158.2149W	816	
Aniakchak Peak	ANPK	Alaska,U.S.A.	56.8418N	158.1261W	972	
Aniakchak Plenty Bear	ANPB	Alaska,U.S.A.	56.8024N	158.2808W	658	
Anillaco	AANI	La Rioja,Argentina	28.8123S	66.9375W	1400	
Anini-y	AAP	Panay,Philippines	10.4200N	121.9440E	50	
Anjado	AJD	Republic of Korea	34.7479N	126.1238E	0	From 2011-11-20
Anjarah	ANJJ	Jordan	32.3010N	35.7710E	1075	
Anjero-Sudjensk, Russia	ASR1	Kemerovskaya Oblast',Russia	56.0680N	85.9910E	262	From 2011-02-22
Anjilo	IANJ	Iran	35.4672N	53.9144E	2135	From 1999-05-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ankara	ANK	Turkey	39.9167N	32.8167E		
Ankara	ANTO	Turkey	39.8689N	32.7936E	883	From 1978-08-01
Ankara	DAD	Turkey	39.9082N	32.7536E	875	From 2007-12-27 to 2012-12-02
Ankara-Kalecik-Gokdere	GOKD	Turkey	40.0728N	33.4753E	901	From 2018-12-21
Anmado	ANMD	Republic of Korea	35.3437N	126.0300E	79	From 2015-10-01
Anmore	ANMB	British Columbia,Canada	49.3187N	122.8585W	179	
Anmyeondo	KSANM	Republic of Korea	36.5000N	126.3000E	47	From 2002-11-07
Anna	AN4	Ohio,U.S.A.	40.2219N	83.8978W	346	
Anna	AN10	Ohio,U.S.A.	40.4728N	84.4700W	297	
Anna	AN3	Ohio,U.S.A.	40.5486N	83.8122W	326	
Anna	AN1	Ohio,U.S.A.	40.4792N	84.1308W	323	From 1976-01-15 to 1999-08-25
Anna	AN8	Ohio,U.S.A.	40.2444N	84.2864W	302	
Anna	AN11	Ohio,U.S.A.	40.5639N	84.6803W	267	
Anna	AN9	Ohio,U.S.A.	40.7111N	84.4969W	255	
Anna	AN7	Ohio,U.S.A.	40.8233N	83.8600W	281	
Anna	AN12	Ohio,U.S.A.	40.9214N	84.1822W	226	
Ann Arbor	AAM	Michigan,U.S.A.	42.3012N	83.6567W	172	From 1940-01-01
An Nimas	NAMS	Saudi Arabia	19.1702N	42.2021E	2328	
Anninata	KFL	Greece	38.1096N	20.7880E	264	From 2006-09-30
AnnSam, Waubun	D33A	Minnesota,U.S.A.	47.1404N	95.8448W	466	From 2010-08-28 to 2012-06-22
Annsville	ANNS	New York,U.S.A.	41.3140N	73.9132W	42	
Annweiler Trifels TMO65	A127A	Germany	49.1967N	7.9781E	442	From 2015-10-15
Ano Amfeia	AAMF	Greece	37.1070N	22.0689E	280	From 2019-06-01
Ano Chora	ANX	Greece	38.5933N	21.9209E	1019	From 2010-11-25
Ano Fanari,Methana,Greece	MET3	Greece	37.5759N	23.2269E	500	From 2020-03-06
Ano Karies	S006	Greece	37.4420N	22.0040E	1035	
Ano Kerassia, N027	N027M	Greece	39.4883N	22.9574E	728	
Ano Kerassia, N028	N028M	Greece	40.4005N	22.5178E	238	
Ano Kourtesi LLia	KRT2	Greece	37.9650N	21.3280E	135	
Ano Lampsista, N008	N008M	Greece	39.7319N	20.7507E	640	
Ano Thoriko, AT04	AT04E	Greece	37.7252N	24.0496E	23	
Anotleneega Mountain	H20K	Alaska,U.S.A.	65.4924N	154.8808W	514	From 2017-06-11
Anoyia	IDI	Crete,Greece	35.2880N	24.8900E	750	
Anpu	ANP	Taiwan region	25.1865N	121.5200E	826	From 1963-03-14
Anshas	MANS	Egypt	30.9560N	31.5180E	45	
Anshas	AANS	Egypt	30.2909N	31.3998E	30	
Anshuo	EAST	Taiwan region	22.3830N	120.8480E	445	
Antakya	ANTT	Turkey	36.2203N	36.1569E	60	
Antalya	ANTB	Turkey	36.8998N	30.6538E	20	From 2004-03-12
Antalya-Kepez	KEPZ	Turkey	36.9015N	31.6039E	615	From 2010-11-12
Antalya-Kumluca	AKUM	Turkey	36.3226N	30.3430E	69	From 2013-02-23
ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT	I37MG	Madagascar	19.0109S	47.3050E	1385	From 2001-10-15
Antelope	ALPC	California,U.S.A.	34.6871N	118.2995W	753	
Antelope Grade	PAGM	California,U.S.A.	35.7325N	120.2504W	436	
Antelope Grade	PAGB	California,U.S.A.	35.7307N	120.2499W	480	
Antelope Island	ANU	Utah,U.S.A.	41.0397N	112.2320W	1353	From 1975-11-01 to 1991-08-27
Antelope Mountain	LAMM	California,U.S.A.	41.6098N	122.6256W	1769	
Antelope Range	ANTCA	California,U.S.A.	37.9177N	118.5650W	2040	
Antelope Range	ARUT	Utah,U.S.A.	37.7880N	113.4400W	1646	From 1980-12-01
Antelope Ridge	ANTR	New Mexico,U.S.A.	32.2637N	103.4110W	1056	From 1991-01-01
Antelope Valley	BAVM	California,U.S.A.	36.6459N	121.0301W	572	From 1975-07-02
Antenna a Mare	ME06	Italy	38.1595N	15.4647E	1134	From 2007-11-15 to 2008-04-15
Antennamare	ATN	Sicily,Italy	38.1595N	15.4647E	1130	
Anthony NE Station	KAN08	Kansas,U.S.A.	37.2267N	97.9710W	375	From 2014-08-21
Anthony SW Station	KAN10	Kansas,U.S.A.	37.1235N	98.0951W	417	From 2014-05-07
Antibes	ANTF	Provence-Cote d'Azur,France	43.5640N	7.1230E	54	From 2003-01-06 to 2013-12-01
Anticline Ridge	PARM	California,U.S.A.	36.2492N	120.3420W	485	From 1975-09-05
Antigo	G41A	Wisconsin,U.S.A.	45.2118N	89.1816W	464	From 2011-08-20 to 2013-06-13
Antigua	AWI	Antigua,Antigua and Barbuda	17.1430N	61.8350W	23	From 1955-06-24 to 1963-10-06
Antigua	ANG	Antigua,Antigua and Barbuda	17.1550N	61.8300W	27	From 1966-04-20
Antigua, Disaster Office	ANDO	Antigua	17.1119N	61.8299W	55	From 2015-05-22
Antigua Open Campus	ANOC	Antigua	17.1184N	61.8319W	57	From 2015-05-20
Antigua, Sacatepquez	PS001	Guatemala	14.3136N	90.4372W	1550	
Antikyra, Boeotia	ANTK	Greece	38.3605N	22.6385E	340	From 2023-09-30
Antikythira Island	ANKY	Greece	35.8670N	23.3012E	143	From 2008-07-23
Antillo	AIO	Sicily,Italy	37.9712N	15.2330E	751	
Antioch	CACM	California,U.S.A.	36.9762N	121.7600W	74	From 1973-10-26
Antioch Church	ACTN	Tennessee,U.S.A.	36.3470N	89.3100W	143	
Antisana	ANTI	Ecuador	0.4492S	78.1612W	4510	From 1991-08-09
Antisana-Cuyuja	ANTC	Ecuador	0.0265S	78.4104W	2481	From 2012-07-12
Antisana-Guaman	ANTG	Ecuador	0.5031S	78.2546W	4210	From 2011-10-14
Antisana-La Mica	ANTM	Ecuador	0.5362S	78.2228W	4128	From 2011-11-24
Antisana-Sarahuasi	ANTS	Ecuador	0.4973S	78.1704W	4580	From 2011-11-25
Antlers	AL-	Oklahoma,U.S.A.	34.3581N	95.6125W	213	From 1962-07-04 to 1962-07-11
Antlers	AL-OK	Oklahoma,U.S.A.	34.3581N	95.6125W	213	From 1962-07-04 to 1962-07-11
Antofagasta	ANT	Antofagasta,Chile	23.7050S	70.4153W	80	From 1962-12-28
Antofagasta	ANCH	Antofagasta,Chile	23.6803S	70.4085W	30	
Antonio Joao (Brazil)	ANTJ	Brazil	21.9999S	56.0046W	532	From 2016-05-08
Antrodoco	LANT	Italy	42.4163N	13.0814E	484	From 2001-05-05
Antumapu	ANTU	Santiago,Chile	33.5691S	70.6335W	640	
Anvik River	J16K	Alaska,U.S.A.	63.2842N	160.6021W	328	From 2017-06-18
Anvil Mountain	ANV	Alaska,U.S.A.	64.5655N	165.3720W	330	From 1976-08-01
Anzar Reservoir 9	AN9*	California,U.S.A.	37.0140N	122.0362W	129	
Anzar Road	HAZM	California,U.S.A.	36.8847N	121.5910W	122	From 1967-06-29
Anzar Road	ANZ	California,U.S.A.	36.8847N	121.5910W	122	From 1967-06-29
Anzi	ANZE	Italy	40.5218N	15.9125E	999	From 2023-06-21
Anzola D'Ossola (ITA)	DIV01	Italy	45.9867N	8.3452E	700	From 2021-10-11 to 2025-12-31
Aoalbol	IADA	Iceland	65.0190N	15.5750W	443	From 1998-09-19
Aobayama	AOB	Miyagi,Japan	38.2483N	140.8470E	87	From 1967-04-01
Aogashimamukaizawa	JAOM	Tokyo,Japan	32.4637N	139.7638E	336	From 2012-07-01
Aohua	EAHA	Taiwan region	24.3293N	121.7393E	51	From 2017-10-06
Aomori	AOM1	Aomori,Japan	40.8200N	140.7733E	3	From 1989-12-01
Aomori	AOM	Aomori,Japan	40.8167N	140.7833E	5	
Aomori 2	AOMJ	Aomori,Japan	40.5600N	140.3730E	8	From 1978-01-01
Aomori 3	AOM3	Aomori,Japan	40.7767N	140.8170E	150	From 1990-04-21
Aomorihigashidori	JAHD	Aomori,Japan	41.2653N	141.3373E	50	From 2012-07-01
Aomorirokkasho	JARK	Aomori,Japan	41.0073N	141.3663E	54	From 2012-07-01
Aosta	AOSA	Italy	45.7398N	7.3641E	574	From 2019-07-30
Aotea Quay Pipitea	PIPS	North Island,New Zealand	41.2675S	174.7861E	3	From 2012-11-15
Aou	AOU	Kochi,Japan	33.7923N	133.7710E	470	From 1972-04-01
Aouinet Torkoz	ANTZ	Morocco	28.4747N	9.8547W	300	From 1991-12-18
Aoulouz	ALZ	Morocco	30.6960N	8.1410W	800	
Ao Xicun	ZPLA	Taiwan region	23.9300N	117.7500E	0	From 2011-07-22
Apacha	APC	Kamchatskaya Oblast',Russia	52.9250N	157.1581E	100	
Apache	AP-	Oklahoma,U.S.A.	34.8331N	98.4358W	427	
Apache	AP-OK	Oklahoma,U.S.A.	34.8331N	98.4358W	427	
Apache Junction	GVA	Arizona,U.S.A.	33.4214N	111.5748W	506	From 1994-01-05
Apagy	HU07A	Hungary	47.9812N	21.9143E	118	From 2019-06-13
Apakhonchich	APN	Kamchatskaya Oblast',Russia	56.0000N	160.8300E	700	
Apartado, Choco	APAC	Colombia	7.9000N	76.5800W	104	From 2016-12-02
Apatity	APA	Murmanskaya Oblast',Russia	67.5690N	33.4051E	182	
Apatity	APZ9	Murmanskaya Oblast',Russia	67.5690N	33.4051E	200	
Apatity Array Beam Reference Point	APAES	Murmanskaya Oblast',Russia	67.6061N	32.9931E	200	
Apatity Array Site A0	APA0	Murmanskaya Oblast',Russia	67.6061N	32.9923E	200	From 1992-09-01
Apatity Array Site A1	APA1	Murmanskaya Oblast',Russia	67.6079N	32.9928E	200	
Apatity Array Site A2	APA2	Murmanskaya Oblast',Russia	67.6054N	32.9965E	200	
Apatity Array Site A3	APA3	Murmanskaya Oblast',Russia	67.6057N	32.9878E	200	
Apatity Array Site B1	APB1	Murmanskaya Oblast',Russia	67.6068N	33.0037E	200	
Apatity Array Site B2	APB2	Murmanskaya Oblast',Russia	67.6024N	32.9979E	200	
Apatity Array Site B3	APB3	Murmanskaya Oblast',Russia	67.6029N	32.9847E	200	
Apatity Array Site B4	APB4	Murmanskaya Oblast',Russia	67.6079N	32.9816E	200	
Apatity Array Site B5	APB5	Murmanskaya Oblast',Russia	67.6106N	32.9934E	200	
Apecchio	APEC	Italy	43.5585N	12.4199E	488	From 2014-02-06
Apeiranthos	APE	Greece	37.0689N	25.5306E	620	From 1975-11-01
Aper	APER	Greece	35.5504N	27.1741E	250	
Apex site 3 Nunavut	AP3N	Northwest Territories,Canada	69.4586N	84.4616W	437	From 2005-08-17
APH	CAPH	Costa Rica	9.6013N	84.5880W	205	From 2002-04-11 to 2002-10-01
Apia	API	Samoa Islands	13.8072S	171.7750W	2	From 1902-01-01
Apoyeque	APY	Nicaragua	12.2277N	86.3528W	260	From 1975-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Apoyeque	APQ2	Managua,Nicaragua	12.1975N	86.3253W	48	From 2014-06-06
Apoyeque	APYN	Nicaragua	12.2338N	86.3500W	300	
Apoyo	APON	Nicaragua	11.9167N	86.0667W	600	
Appelbo	APP	Sweden	60.5390N	13.9280E	340	From 1969-01-01
ppelbo	APO	Sweden	60.5390N	13.9280E	340	From 1969-01-01
Appenzell, Kantonsschule, AI	SAPK	Switzerland	47.3307N	9.4041E	776	From 2015-10-15
Appiano	APPI	Italy	46.4787N	11.2281E	1056	From 2003-11-12
Appleton	J54A	New York,U.S.A.	43.2728N	78.6392W	112	From 2012-12-11
Apres Vouz Peak	AVOW	Wyoming,U.S.A.	43.6111N	110.8140W	2036	From 1986-01-01
Apricena	APRC	Italy	41.7573N	15.5430E	672	From 2016-01-21
Aqaba	GLFJ	Jordan,Jordan	29.5080N	35.0080E	25	
Aqaba	AQBJ	Jordan	29.7280N	35.0500E	170	From 1989-10-23
Aqua Casa	AQ6*	Sicily,Italy	38.4856N	14.9317E		From 1966-04-01 to 1966-05-01
Aqua Vermelha	AGVB	Minas Gerais,Brazil	19.7394S	50.2331W	393	From 1993-03-01
Aquidauana	AQDB	Mato Grosso,Brazil	20.4758S	55.6997W	158	From 2003-07-01
Aquila	MMIG	Michoacan,Mexico	18.2885N	103.3455W	64	From 2006-07-08
Aquin, Sud	SAQUI	Haiti	18.2839N	73.3971W	26	From 2021-08-18
Aquistore NE01	SV1S	Saskatchewan	49.0973N	103.0722W	553	From 2013-10-31
Aquistore NE01	SV2S	Saskatchewan	49.0880N	103.0868W	553	From 2013-10-31
Aquistore NE02	SV5S	Saskatchewan	49.1021N	103.0630W	550	From 2016-11-30
Aquistore NW01	SV3S	Saskatchewan	49.1005N	103.0834W	552	From 2013-10-31
Aquistore SE01	SV4S	Saskatchewan	49.0866N	103.0740W	550	From 2016-11-30
Aracena	ARAC	Spain	37.8923N	6.5647W	675	
Arauai, MG	ARCA	Minas Gerais	16.8467S	41.9597W	390	From 2019-10-29
Arad	ARADI	Israel	31.2497N	35.2207E	608	From 2018-08-01
ARAD	ARAD	Israel	31.2210N	35.3040E	100	From 1987-01-01 to 1988-03-31
Aradan	ARDR	Altayskiy Kray,Russia	52.5800N	93.4300E	950	
Arado	A492	Costa Rica	10.2138N	85.5963W	0	From 2000-01-01
Arafo	TAFO	Canary Islands	28.3566N	16.4263W	768	From 2016-11-04
Araguaiana, MT - Brazil	ARAG	Mato Grosso,Brazil	15.7060S	51.8121W	237	From 2013-09-30
Arah	SN08	Texas	32.7827N	101.0607W	741	From 2018-11-29
Arahi	RAHZ	North Island,New Zealand	38.9162S	177.0860E	472	From 2008-05-14
Arakani	ARKR	Dagestan,Russia	42.6028N	46.9944E	750	
Arakawa	K06	Iwate,Japan	39.4181N	141.5464E	363	
Araks	AKSZ	Armenia	40.1910N	43.8850E	1160	
Aral	ARLS	Kyrgyzstan	41.8610N	74.3230E	1640	
Aramac airstrip	AXCOZ	Queensland	22.9608S	145.2511E	226	From 2018-11-30
Aranda	RNDA	Australian Capital Territory,Australia	35.2580S	149.0820E	666	From 2007-01-01
Arangoiti	YARA	Spain	42.6477N	1.1902W	1303	From 2009-12-11
Aranguren	EARA	Spain	42.7727N	1.5797W	476	From 2005-07-07
Aranos	ARON	Namibia	24.1355S	19.1200E	222	
Arapaho	V32A	Oklahoma,U.S.A.	35.7202N	99.0437W	533	From 2009-10-29 to 2011-09-01
Arapgir-MALATYA	ARPR	Turkey	39.0929N	38.3356E	1522	From 2013-09-06
Arapuni	ARA	North Island,New Zealand	38.0715S	175.6435E	65	From 1930-07-01 to 1972-10-31
Araqi	ARQ	Oman	23.3366N	56.5219E	400	From 2001-07-01
Arar	SARAR	Saudi Arabia	30.3780N	41.9350E	451	
Arar	NARAR	Saudi Arabia	31.1180N	40.7540E	683	
Ararat	ARRZ	Armenia	39.8540N	44.6970E	850	
ARARIA	ARIA	Bihar	26.1350N	87.4670E	38	From 2018-03-08
Arash bomas	LL65	Tanzania	2.4180S	35.4340E	1958	From 2013-01-22 to 2014-12-06
Aratiatia Landcorp Farm	ARAZ	North Island,New Zealand	38.6277S	176.1201E	420	From 2007-05-20
`Arava Valley	ARVI	Israel	30.6400N	35.1870E		
Araxos	AXS	Greece	38.1962N	21.3763E	97	From 2009-05-27
ARAXOS	ARX	Greece	38.1897N	21.4135E	196	From 2006-01-06
Arbavere	ARBE	Estonia	59.4365N	25.9841E	71	From 2011-01-20
Arbedo Castione, Alpe di Gesero, TI	A062A	Switzerland	46.1808N	9.1126E	1733	From 2015-11-17
Arbois	ARBF	Provence-Cote d'Azur,France	43.4917N	5.3325E	185	From 1998-11-01
Arbon	K15A	Idaho,U.S.A.	42.6852N	112.5305W	1566	From 2007-07-24 to 2009-05-07
Arbon, Evangelische Kirche, TG	SARE	Switzerland	47.5149N	9.4303E	413	From 2014-12-19
Arbuckle	GARM	California,U.S.A.	38.9552N	122.2520W	268	
Arcadia	058A	Florida,U.S.A.	27.0569N	81.8049W	15	From 2012-03-11
Arcadia Dam	ADOK	Oklahoma,U.S.A.	35.6521N	97.3711W	316	
ARCALIA	ARCR	Romania	47.0855N	24.3537E	385	
Arcata	ARC	California,U.S.A.	40.8777N	124.0774W	30	From 1948-02-27
Arcavacata	ACI	Italy	39.3508N	16.2031E	300	From 1976-05-18 to 2015-01-31
Arcavacata di Rende	ACIS	Italy	39.3591N	16.2269E	277	From 2015-06-18
ARCESS Array Beam Reference Point	ARCES	Norway	69.5349N	25.5058E	403	
ARCESS Array Site A0	ARA0	Norway	69.5349N	25.5059E	403	
ARCESS Array Site A1	ARA1	Norway	69.5363N	25.5071E	411	
ARCESS Array Site A2	ARA2	Norway	69.5338N	25.5078E	392	
ARCESS Array Site A3	ARA3	Norway	69.5346N	25.5019E	402	
ARCESS Array Site B1	ARB1	Norway	69.5379N	25.5079E	414	
ARCESS Array Site B2	ARB2	Norway	69.5357N	25.5134E	397	
ARCESS Array Site B3	ARB3	Norway	69.5324N	25.5106E	376	
ARCESS Array Site B4	ARB4	Norway	69.5328N	25.4998E	378	
ARCESS Array Site B5	ARB5	Norway	69.5363N	25.4985E	405	
ARCESS Array Site C1	ARC1	Norway	69.5411N	25.5079E	381	
ARCESS Array Site C2	ARC2	Norway	69.5383N	25.5229E	395	
ARCESS Array Site C3	ARC3	Norway	69.5329N	25.5231E	376	
ARCESS Array Site C4	ARC4	Norway	69.5293N	25.5117E	377	
ARCESS Array Site C5	ARC5	Norway	69.5300N	25.4982E	374	
ARCESS Array Site C6	ARC6	Norway	69.5341N	25.4882E	395	
ARCESS Array Site C7	ARC7	Norway	69.5396N	25.4936E	362	
ARCESS Array Site D1	ARD1	Norway	69.5483N	25.5093E	395	
ARCESS Array Site D2	ARD2	Norway	69.5452N	25.5308E	366	
ARCESS Array Site D3	ARD3	Norway	69.5366N	25.5483E	331	
ARCESS Array Site D4	ARD4	Norway	69.5271N	25.5362E	371	
ARCESS Array Site D5	ARD5	Norway	69.5214N	25.5118E	351	
ARCESS Array Site D6	ARD6	Norway	69.5227N	25.4900E	413	
ARCESS Array Site D7	ARD7	Norway	69.5294N	25.4707E	413	
ARCESS Array Site D8	ARD8	Norway	69.5384N	25.4686E	368	
ARCESS Array Site D9	ARD9	Norway	69.5454N	25.4857E	359	
ARCESS Array Site E0	ARE0	Norway	69.5348N	25.5057E	403	
Arcevia	ARV	Italy	43.4977N	12.9410E	459	From 1983-06-01
Arcevia	ARVD	Italy	43.4981N	12.9415E	461	
Arcevia	ARCV	Italy	43.4948N	12.9396E	621	From 2020-01-24
Archaia Olimpia	AOL1	Greece	37.6433N	21.6248E	50	From 2010-12-01
Archer property, S21	SCR21	Colorado	37.3486N	105.8758W	2309	
Archer Taylor Preserve	ATP	California	38.3478N	122.4271W	471	From 2023-06-28
Archidona, Tena	ARDO	Ecuador	0.9944S	77.8007W	677	
Archignac	ARH	Aquitaine,France	45.0097N	1.3117E	320	
Arcidosso	ARCI	Italy	42.8519N	11.4754E	1080	From 2005-05-04
Arctic Creek	F14K	Alaska,U.S.A.	65.4742N	166.3288W	266	From 2017-07-19
Arctic Village	E25K	Alaska,U.S.A.	68.1207N	145.5680W	652	From 2016-07-12
Arctowski Station	AAS	South Shetland Islands	62.1600S	58.4625W	15	From 1978-04-01 to 2000-06-29
Arc Triumf Bucuresti	ARCB	Romania	44.4667N	26.0758E	125	From 2018-01-30
Ardahan-Merkez-Sulakyurt	AHAN	Turkey	41.1639N	42.6244E	1844	From 2017-02-15
Arden House	ARNY	New York,U.S.A.	41.3032N	74.1145W	430	
Ardez Schule, GR	SARD	Switzerland	46.7766N	10.2049E	1487	From 2015-06-24
Ardmore	AM-OK	Oklahoma,U.S.A.	34.0478N	97.4114W	274	From 1961-12-08 to 1961-12-20
Ardmore	AM-	Oklahoma,U.S.A.	34.0478N	97.4114W	274	From 1961-12-08 to 1961-12-20
Ardon	ARNR	Severo-Osetinskaya,Russia	43.1801N	44.2841E	419	From 2001-01-31
Ardon	ARDK	Severo-Osetinskaya	43.1909N	44.2788E	413	From 2000-10-01
Ardon Commune, VS	SARC	Switzerland	46.2098N	7.2564E	485	From 2018-05-29
Areado	AREB	Brazil	21.3625S	46.1234W	982	
Arecibo	APR	Puerto Rico	18.4422N	66.7247W	50	From 1975-11-14
Arecibo Observatory	AOPR	Puerto Rico	18.3466N	66.7539W	355	
Arenal	PACM	Costa Rica	10.4840N	84.7670W	490	
Arenal	AREE	Ecuador	1.4823S	78.4213W	4005	
Arenal	AR1	Costa Rica	10.4586N	84.7322W	595	
Arenal 1	ARE1	Costa Rica	10.4610N	84.7188W	359	From 2000-01-01
Arenal Observatory Lodge	AROL	Costa Rica	10.4373N	84.7092W	720	
Arenas del Rey	EXAR	Spain	36.9580N	3.8940W	927	
Arenillas	ARNL	Ecuador	3.5478S	80.0670W	44	From 2008-12-17
Arenosillo	ARNO	Spain	37.0988N	6.7322W	45	From 2014-06-01
Areopolis	ARE2	Greece	36.6664N	22.3833E	255	From 2011-09-15
Arequipa	ARE	Peru	16.4621S	71.4913W	2452	
Arette	NE10	Aquitaine,France	43.0860N	0.6990W	480	From 1982-11-01 to 2001-07-28
Arette	ATE	Aquitaine,France	43.0858N	0.7003W	480	From 1977-12-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Argaka	POL1C	Cyprus	35.0671N	32.4945E	100	From 2020-09-01
Argaka (School)	POL2C	Cyprus	35.0655N	32.4890E	65	From 2020-09-01
Argamakmur, Bengkulu	ABSM	Indonesia	3.4254S	102.2630E	380	From 2019-01-01
Argaman	RGMN	Israel	32.1686N	35.5216E	-160	From 2019-05-19
Argamason	E044	Spain	38.8620N	2.0725W	807	
Argentiere	OGAG	Provence-Cote d'Azur,France	44.4547N	6.5410E	1300	
Argentine Island	AIA	Antarctic Peninsula	65.2500S	64.2667W	11	From 2001-01-10
Arges	ARR	Romania	45.3675N	24.6336E	871	
Argonia South Station	KAN01	Kansas,U.S.A.	37.1534N	97.7590W	360	From 2014-08-19
Argonia West Station	KAN06	Kansas,U.S.A.	37.2480N	97.8586W	393	From 2014-08-22
Argonne	AO-	Wisconsin,U.S.A.	45.6067N	88.9503W	518	
Argonne	AO-WS	Wisconsin,U.S.A.	45.6067N	88.9503W	518	
Argonne North	ARNI	Idaho,U.S.A.	43.6667N	112.6240W	1553	From 1990-08-14
Argos	ARS1	Greece	37.6348N	22.7293E	55	From 2014-09-20
Argostoli	ARG2	Greece	38.1784N	20.4878E	6	From 2012-09-01
Argostoli (Greece)	KES13	Greece	38.1633N	20.5040E	0	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES11	Greece	38.1634N	20.5055E	0	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES29	Greece	38.1605N	20.5212E	0	From 2011-09-18 to 2012-04-20
Argostoli (Greece)	KES08	Greece	38.1642N	20.5068E	0	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES04	Greece	38.1656N	20.5082E	0	From 2011-09-16 to 2012-04-20
Argostoli (Greece)	KES14	Greece	38.1639N	20.5022E	1	From 2011-09-18 to 2012-04-20
Argostoli (Greece)	KES18	Greece	38.1635N	20.4990E	8	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES06	Greece	38.1649N	20.5075E	0	From 2011-09-16 to 2012-04-20
Argostoli (Greece)	KES16	Greece	38.1638N	20.5007E	5	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KER02	Greece	38.1663N	20.5105E	13	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES02	Greece	38.1663N	20.5090E	0	From 2011-09-16 to 2012-04-20
Argostoli (Greece)	KES22	Greece	38.1599N	20.4949E	64	From 2011-09-17 to 2012-04-20
Argostoli. Kephalonia	KEF2	Greece	38.1654N	20.4870E	150	From 2014-01-28 to 2014-05-22
Argostoli. Kephalonia	ARGA	Greece	38.1770N	20.4789E	6	From 2014-02-03
Argyle Diamond Mine	ARGY	Western Australia	16.7092S	128.4270E	230	From 1994-11-27 to 1996-06-01
Argyle Ridge	ARGU	Utah,U.S.A.	39.8228N	110.5437W	2828	
Arharly	ARXS	Kazakhstan	44.2130N	77.8270E	1010	From 2000-05-25
Arib	EARB	Algeria	36.3015N	2.0062E	407	
Arica	ARCH	Chile	18.4906S	70.2965W	58	From 2008-10-17
Arica	ARI	Tarapaca,Chile	18.5294S	70.1769W	250	
Ariccia	ARIC	Italy	41.7342N	12.6966E	550	From 2012-08-01
Ariccia, Rome	ARY	Italy	41.7245N	12.6892E	480	From 2018-04-01
Arida	ARD	Wakayama,Japan	34.0859N	135.1620E	40	From 1958-12-01
Ariel University	ARIL	Israel	32.1041N	35.2097E	717	From 2018-07-29
Arif	ARF	Morocco	31.4330N	4.2190W	1011	
Ariguani, Magdalena	ARGC	Colombia	9.8580N	74.2460W	187	From 2013-04-25
Arik	KRX	Kamchatskaya Oblast',Russia	53.3590N	158.6490E	1413	From 2009-08-01
Arisaig	KAR1	Scotland,United Kingdom	56.9188N	5.8290W	186	From 1983-01-01
Aritao, Nueva Vizcaya	ANVP	Philippines	16.3130N	121.0419E	422	
Arizona State University	ASU	Arizona,U.S.A.	33.4163N	111.9350W	354	From 1971-11-01
Arjinak	ARDJ	Tajikistan	38.7450N	68.6108E	1439	From 1980-02-03
Arkadiko, PE04	PE04E	Greece	37.6067N	22.9593E	322	
Arkalochori	ARK1	Crete,Greece	35.1488N	25.2642E	384	From 2011-09-15
Arkansas Junction, Hobbs	127A	New Mexico,U.S.A.	32.6764N	103.3575W	1160	From 2008-03-16 to 2010-03-03
Arkaroola	ARKL	South Australia,Australia	30.2760S	139.3390E	520	
Arkdale	I41A	Wisconsin,U.S.A.	44.0592N	89.8697W	289	From 2011-08-03 to 2013-11-09
Arkhangai, Tsenkher soum	CCBM	Mongolia	47.4161N	101.5402E	1733	From 2014-10-16
Arkhangelos	ARG	Greece	36.2161N	28.1261E	170	From 1966-07-10
Arkhangelos	RHD	Greece	36.2161N	28.1261E	170	From 1966-07-10
Arkhangelsk	ARHR	Arkhangel'skaya Oblast',Russia	64.5505N	40.5148E	23	From 2002-11-01
Arkhyz	ARXR	Russia	43.5620N	41.2747E	1501	From 2006-11-17
Arkit	ARK	Kyrgyzstan	41.7980N	71.9630E	1280	
Arlington	R26A	Colorado,U.S.A.	38.3009N	103.4470W	1304	From 2008-11-30 to 2010-10-18
Arlington	CRAN	Kentucky,U.S.A.	36.7445N	89.0313W	90	From 1990-05-23
Arlington Trafton Elementary School	ATES	Washington,U.S.A.	48.2364N	122.0592W	62	
Armenia, Quindio	ARMEC	Colombia	4.5561N	75.6604W	1554	From 1996-05-30
Armenia, Volcan Miravalles	VMAR	Costa Rica	10.8125N	85.1137W	531	From 2013-11-10
Armento	ARME	Italy	40.3163N	16.0321E	989	
Armidale	ARMA	New South Wales,Australia	30.4183S	151.6293E	1112	From 1995-09-12
Armo	ARMO	Italy	38.0761N	15.7125E	364	From 2022-10-13
Armstrong Family, Eudora	Z43A	Arkansas,U.S.A.	33.2100N	91.2441W	39	From 2011-04-23 to 2013-02-17
Armuelles	ARIEL	Panama	8.2857N	82.8524W	10	
Armutlu	ARKP	Turkey	40.5465N	28.8430E	84	From 2006-02-01
Armutlu	ARMT	Turkey	40.5656N	28.8616E	418	
Army Bay	ABAZ	North Island,New Zealand	36.6002S	174.8323E	74	From 2008-10-13
Army Corps of Engineers Seattle ANSS	ACES	Washington,U.S.A.	47.5595N	122.3411W	55	From 2000-07-06
Arna	ARNS	Norway	60.4500N	5.4700E	30	From 2002-01-01
Arnaia	ARN1	Greece	40.4878N	23.5959E	160	From 2008-09-30
Arnasay	ARNAS	Uzbekistan	40.4962N	67.8568E	266	
Arnica Sink	LASM	California,U.S.A.	41.5993N	121.5770W	2060	
Arnoeviken	ARNU	Sweden	61.6920N	17.3780E	100	From 2000-07-15
Arnold C. Orvedal, Lecompton	Q36A	Kansas,U.S.A.	38.9612N	95.4609W	306	From 2010-05-14 to 2012-03-07
Arnold Ranch	ARN	California,U.S.A.	37.3493N	121.5327W	628	
Arnold Ranch	CAOM	California,U.S.A.	37.3493N	121.5330W	628	
Arnold River Power Station	ARPN	South Island,New Zealand	42.5240S	171.4079E	85	From 1999-09-23
Arnstein	F51A	Ontario,Canada	45.9284N	79.9150W	239	From 2012-11-03
Aroab	AROB	Namibia	26.7983S	19.6473E	789	
Aroley	AFDE	Ethiopia	13.2073N	40.8571E	-83	
Arona	TARO	Canary Islands	28.0486N	16.6717W	114	From 2016-10-29
Aropaoanui	ARHZ	North Island,New Zealand	39.2631S	176.9959E	214	From 2010-03-11
Arp	ARPT	Tennessee,U.S.A.	35.7560N	89.6733W	122	
Arpino	LRP	Italy	41.6471N	13.5866E	317	From 2011-04-27
Arquata del Tronto	AQT1	Italy	42.7738N	13.2935E	770	From 2006-02-08
ARQUATA DEL TRONTO	RQT	Italy	42.8130N	13.3110E	1188	From 2010-11-29
Arquata del Tronto, Frazione Forca Canapine (AP)	T1214	Italy	42.7595N	13.2087E	1489	From 2016-08-24 to 2018-04-27
Arquata del Tronto, Frazione Spelonga (AP)	T1244	Italy	42.7570N	13.2978E	949	From 2016-08-26 to 2017-09-02
Arquipelago de Sao Pedro e Sao Paulo - PE, Brazil	ASPSP	Brazil	0.9169N	29.3460W	15	
Arraijan, Panama	ARRA3	Panama	8.9660N	79.6570W	50	From 2010-01-01
Arraiolos	PARRA	Portugal	38.8153N	8.0402W	261	From 2019-06-03
Ar Rass	ARSS	Saudi Arabia	25.8810N	43.2365E	720	
Arrayan	ARRY	Ecuador	1.5063S	78.4552W	2900	From 1994-10-29
Ar Rayis	NSAFS	Saudi Arabia	23.4901N	38.8201E	94	
Ar Rayn	RAYN	Saudi Arabia	23.5225N	45.5032E	631	
Ar-Rayn - temporary	RAYNT	,Saudi Arabia	23.5220N	45.5008E	717	
Arrens-Marsous	BORF	Midi-Pyrenees	42.9439N	0.2037W	1304	From 2021-07-12
Arriaga	CARR	Chiapas	16.2473N	93.9125W	57	
Ar Rifa	BRF	Bahrain	26.0733N	50.5833E		
Arriondas	EARI	Spain	43.3012N	5.2099W	680	
Arrone	ARRO	Italy	42.5792N	12.7656E	253	From 2011-10-01
Arroyo de San Servan	E036	Spain	38.8498N	6.4373W	316	
Arroyo Pinares	AAPN	Spain	37.3077N	4.1210W	1160	
Arroyo Seco	AASM	California,U.S.A.	38.4300N	121.1090W	65	
Arroyo Zacate	NEUV	Veracruz	17.7127N	95.8020W	80	
Arsdorf	ARSD	Luxembourg	49.8644N	5.8570E	390	From 2009-12-02
Arshan	ARS	Irkutskaya Oblast',Russia	51.9203N	102.4233E	970	
Arslanbob	ARSB	Kyrgyzstan	41.3240N	72.9820E	1510	
Arsuri	RO19A	Romania	45.1523N	23.3159E	494	From 2022-08-30
Arsuz	ARST	Turkey	36.4550N	35.9400E	35	From 1997-03-01
Art	433A	Texas,U.S.A.	30.7544N	99.0910W	447	From 2009-11-10 to 2011-10-02
Arta	ART2	Greece	39.1476N	20.9938E	195	From 2012-09-01
Arta	ART	Djibouti	11.5212N	42.8378E	710	From 1972-04-01 to 1976-12-31
Arta	ARTB	Greece	39.1571N	20.9787E	22	
Arta Grotte	AGD	Djibouti	11.5290N	42.8240E	450	From 1985-03-09
Arta Observatory	ARO	Djibouti	11.5253N	42.8458E	718	From 1972-12-01
Arta Tunnel	ATD	Djibouti	11.5300N	42.8470E	610	
Artemida-Makistos	AMT	Greece	37.5324N	21.7089E	481	From 2008-12-22
Arthez-de-Bearn	ARTL	Aquitaine,France	43.4561N	0.5881W	210	
Arthurs Pass Police Station	APPS	South Island,New Zealand	42.9489S	171.5677E	743	From 2001-11-12
Arti	ARU	Sverdlovskaya Oblast',Russia	56.4293N	58.5615E	260	
Arti	ARTI	Sverdlovskaya Oblast'	56.3879N	58.3849E	315	From 2017-12-15
Artic	ARTS	Armenia	40.5733N	43.9983E	2300	
Artigas	PIAR	Uruguay	30.4336S	56.4567W	132	From 2022-02-11
Artigues	ARTF	Provence-Cote d'Azur,France	43.5870N	5.8050E	513	
Artvin	ARTV	Turkey	41.1849N	41.9283E	2034	From 2005-08-05 to 2015-05-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Artvin, Merkez, Deriner Baraji	DRNR	Turkey	41.1732N	41.8723E	440	From 2015-05-05
Artybash	ARTR	Altayskiy Kray,Russia	51.7980N	87.2810E	464	From 1980-07-26
Artyk	ATKR	Sakha,Russia	64.1800N	145.1333E	700	
Artyk	AYK2	Sakha,Russia	64.2050N	145.1320E	707	From 2002-04-25
Aruba	AUA1	Venezuela	12.5055N	70.0105W	17	
Aruba, International School of Aruba	ACPR	Caribbean Sea	12.5057N	70.0011W	16	From 2023-04-01
Aruch	ARUZ	Armenia	40.2830N	44.0910E	1200	
Arundel	ARCZ	South Island,New Zealand	43.9470S	171.1767E	462	From 2014-05-13
Arusha	ARSH	Tanzania,United Republic of Tanzania	3.3855S	36.7213E	879	
Arusha	ARTT	Tanzania,United Republic of Tanzania	2.7256S	36.2817E		From 1993-01-01
Arviat, NU	ARVN	Nunavut,Canada	61.0898N	94.0648W	-16	From 2006-08-14
Arvin	ARVC	California,U.S.A.	35.1269N	118.8301W	258	From 1983-09-15
Arzakan	ARZK	Armenia	40.4669N	44.6006E	1575	From 2021-11-01
Arzberg	ARSA	Austria	47.2505N	15.5232E	577	From 1997-06-20
Arzignano	VARZ	Italy	45.5258N	11.3346E	199	From 2008-09-20
Asacha	ASHS	Kamchatskaya Oblast',Russia	52.3000N	157.9800E	386	From 1983-03-01 to 1983-04-01
Asacha	ASAK	Kamchatskaya Oblast',Russia	52.3830N	157.9000E	922	From 2008-12-23
Asagicarikuru	ASAT	Turkey	40.6936N	30.7439E	100	
Asahigawa	AHS	Shiribeshi,Japan	43.1339N	141.0460E	170	From 1974-04-20 to 1974-12-10
Asahikawa	ASA	Kamikawa,Japan	43.7700N	142.3730E	112	
Asahikawa	ASAJ	Kamikawa,Japan	44.1165N	142.5968E	220	From 1978-01-01
Asama Observatory	AVOE	Nagano,Japan	36.4011N	138.5720E	1406	From 1933-01-01
Asamaranda, VASAV	VVASA	Vanuatu	15.7335S	167.2393E	23	
Asama Yama	ASM	Nagano,Japan	36.4000N	138.5670E		
Asayita	ASYE	Ethiopia	11.5607N	41.4422E	370	
sbjarnarstair	IASB	Iceland	64.7480N	21.3250W	94	
Ascension	ASCN	Ascension	7.9327S	14.3601W	173	From 1994-10-01
ASCENSION HYDROACOUSTIC SITE N1	H10N1	Ascension	7.8457S	14.4802W	-2772	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE N2	H10N2	Ascension	7.8278S	14.4875W	-2894	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE N3	H10N3	Ascension	7.8409S	14.5017W	-2891	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE S1	H10S1	Ascension	8.9412S	14.6484W	-2605	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE S2	H10S2	Ascension	8.9591S	14.6453W	-2609	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE S3	H10S3	Ascension	8.9527S	14.6629W	-2566	From 2010-01-24
Ascension Island Hydrophone Array Site 19	ASH19	Ascension	7.8250S	14.6020W	-125	
Ascension Island Hydrophone Array Site 21	ASH21	Ascension	7.9870S	14.4950W	-810	
Ascension Island Hydrophone Array Site 23	ASH23	Ascension	8.0697S	14.4175W	-841	
Ascension Island Hydrophone Array Site 24	ASH24	Ascension	8.0557S	14.4490W	-777	
Ascension Island Hydrophone Array Site 25	ASH25	Ascension	8.9465S	14.6500W	-1646	
Ascension Island Hydrophone Array Site 26	ASH26	Ascension	8.9440S	14.6180W	-1661	
Ascension Island Hydrophone Array Site 27	ASH27	Ascension	7.8530S	14.3660W	-770	
Ascension Island Hydrophone Array Site 29	ASH29	Ascension	7.9490S	14.2660W	-824	
ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	I10GE	Ascension	7.9377S	14.3752W	189	From 2005-04-14
Aschau i T	A036A	Austria	47.3789N	12.3084E	1020	From 2015-12-09
Ascoli Piceno	ASCOL	Italy	42.8512N	13.5897E	180	From 2021-06-16 to 2999-12-31
Ascoli Piceno (IT)	ASCL	Italy	42.8526N	13.5771E	157	From 2019-05-30
Ascoli Pisceno	ALP	Italy	42.7803N	13.5761E	1370	From 1979-01-01
Ascot Lane Oakland	C013	California,U.S.A.	37.8238N	122.1886W	403	From 2009-06-03
Asem Bagus	ABJI	Jawa,Indonesia	7.7957S	114.2342E	0	From 2007-12-01
Aserradero	ASE	Nicaragua	12.4747N	87.1903W		From 1977-02-03 to 1980-12-31
Aserri	ASRI	Costa Rica	9.8646N	84.1192W	1666	From 2011-12-26
Asgata	ASGA	Cyprus	34.7860N	33.2480E	217	From 2013-07-01
Ashagi Guzdek, Azerbaijan	MV01	Azerbaijan	40.4832N	49.6586E	41	From 2021-03-03
Ashburton	ADCS	South Island	43.9041S	171.7474E	111	
Ashes, Strandquist	B32A	Minnesota,U.S.A.	48.3951N	96.5363W	335	From 2010-08-14 to 2012-06-09
Asheville	AVNC	North Carolina,U.S.A.	35.6240N	82.5310W	943	
Ashfield	BASO	Ontario,Canada	44.0133N	81.6648W	185	From 2007-08-01
Ash Flat	AFAR	Arkansas,U.S.A.	36.1333N	91.5312W	239	
Ashford Hill	AFH	England,United Kingdom	51.3439N	1.2197W	91	
Ashibetsu	JAB	Sorachi,Japan	43.5045N	142.2232E	187	
Ashikaga	JAG	Tochigi,Japan	36.4250N	139.4533E	241	
Ashiyiah	ASHO	Oman	24.6839N	56.0583E	546	From 2004-12-01
Ashizuri	ASZ	Kochi,Japan	32.7200N	133.0133E	32	From 1962-01-01
Ashkhabad	ASH	Turkmenistan	37.9500N	58.3500E	220	
Ashkhabad	ASHT	Turkmenistan	37.9421N	58.3847E	262	From 2009-12-06
ASHL	ASHL	Israel	31.0060N	34.6430E	140	From 1982-08-01 to 1985-09-30
Ashland	ALO	Oregon,U.S.A.	42.2000N	122.7000W	720	
Ashland	N51A	Ohio,U.S.A.	40.9183N	82.3748W	343	From 2012-08-28
Ashland	Z50A	Alabama,U.S.A.	33.2540N	85.9226W	370	From 2011-12-22
Ashley	ASHY	South Island	43.2744S	172.5959E	47	From 2002-02-24
Ash Meadows, Armagosa	U10A	Nevada,U.S.A.	36.4193N	116.3297W	668	From 2006-06-17 to 2008-10-15
Ashnola River, Keremeos	A07A	British Columbia,Canada	49.0480N	120.3837W	1842	From 2006-10-14 to 2008-06-17
Ashorobuto	JAR	Kushiro,Japan	43.2968N	143.7695E	210	
Ashpeak Ranch, Duncan	119A	Arizona,U.S.A.	32.7663N	109.3029W	1406	From 2007-03-11 to 2009-01-18
Ashqof	ASHJ	Jordan	32.3440N	37.6190E	1100	
Ash Shaalaniyah	HIL04	Saudi Arabia	27.7604N	42.7616E	732	
Ash Shuqayq	HIL03	Saudi Arabia	27.2534N	40.7954E	1056	
Ashtabula EMA	ACEO	Ohio,U.S.A.	41.7490N	80.7680W	293	
Ashtian	ASAO	Iran	34.5480N	50.0253E	2217	From 1998-03-28
Ashton Mining of Canada property	YOSQ	Quebec,Canada	52.8666N	72.1998W	649	From 2005-06-26
Asiago	ASGO	Italy	45.8667N	11.5253E	1084	From 2019-02-20
Asilah	BJDH	Saudi Arabia	24.0900N	43.3970E	1081	
ASIR1	ASIR1	Saudi Arabia	18.6104N	42.9233E	1885	
ASIR2	ASIR2	Saudi Arabia	18.0950N	43.2710E	2243	
ASIR3	ASIR3	Saudi Arabia	18.6960N	42.3700E	2183	
ASIR4	ASIR4	Saudi Arabia	19.6650N	42.3940E	1346	
ASIR5	ASIR5	Saudi Arabia	18.9480N	43.2450E	1491	
Askersund	ASKU	Sweden	58.8946N	14.8288E	150	From 2002-03-25
Askja	IASK	Iceland	65.0519N	16.6482W	955	From 2007-09-21
Askoy	ASK	Norway	60.4830N	5.1950E	50	From 1983-01-01
ASL Pad, Albuquerque Seismic Lab	TASM	New Mexico,U.S.A.	34.9455N	106.4600W	1862	From 2012-05-01
Asmera	ASME	Eritrea	15.3500N	38.9300E	2420	From 1988-01-01
Asmuli	IASM	Iceland	63.8340N	20.6150W	22	From 1990-01-03
Aso	ASO	Kumamoto,Japan	32.8833N	131.0170E	568	From 1928-01-01 to 1999-08-25
Asolfsskalaheidi	IASO	Iceland	63.5966N	19.7311W	673	From 2010-12-17
Asolo	ASOL	Italy	45.8003N	11.9023E	181	From 2011-11-17
Asolo, Italy	MASO	Italy	45.8040N	11.9164E	365	From 2010-06-22
Aso san	ASJ	Kumamoto,Japan	32.8767N	131.0750E	1143	
Asosa University, Asosa	ASOS	Ethiopia,Ethiopia	10.0911N	34.5644E	1581	From 2014-03-22 to 2015-02-11
Aspermont	APMT	Texas,U.S.A.	33.3251N	100.1215W	501	From 2016-12-16
Aspremont	ASPF	Provence-Cote d'Azur,France	43.7682N	7.2583E	850	
Aspurt	YASP	Spain	42.7292N	1.1634W	692	From 2010-05-01
Aspy Farms, Fremont	M34A	Nebraska,U.S.A.	41.5025N	96.5830W	415	From 2010-05-30 to 2012-04-23
Asqua	ASQU	Italy	43.7967N	11.7893E	860	From 2007-10-25
Assab	ASSBE	Eritrea	13.0628N	42.6545E	191	
As Saff	HSAF	Egypt	29.6187N	31.5538E	450	
Assam	NGJA	Assam,India	26.7067N	91.6750E	60	
Assam	BKOA	Assam,India	25.9833N	91.2667E	50	
Asse, Remlingen/Germany	ASSE	Germany	52.1303N	10.6729E	-809	From 2007-07-01
Assergi	RM28	Italy	42.4024N	13.5486E	1482	From 2009-06-19 to 2009-08-31
Assisi	ASS	Italy	43.0630N	12.6517E	805	From 1983-05-01
Assisi San Benedetto	ASSB	Italy	43.0426N	12.6587E	734	From 2008-06-11
Astakos	AST1	Greece	38.5416N	21.0895E	3	From 2011-07-01
Astanajapura, JawaBarat	ACJM	Indonesia	6.8033S	108.6151E	646	From 2019-01-01
Astara	ASTR	Azerbaijan	38.5600N	48.7910E	148	From 2010-11-29
Astara - Iran	GAS1	Iran	38.3861N	48.8405E	29	From 2016-07-18
Asti	ASTI	Italy	44.9072N	8.2016E	173	From 2019-07-31
Astolofo Dutra	ATDB	Minas Gerais,Brazil	21.2900S	42.8606W		From 1995-12-01
Astor Pass	APNR	Nevada,U.S.A.	40.2300N	119.8665W	1471	
Astronaut Butte, Newberry	ASBU	Oregon,U.S.A.	43.8206N	121.3684W	1538	From 2011-11-16
Astypalaia	ASTA	Greece	36.5454N	26.3528E	65	
Asumbi	ASUM	Kenya	0.6177S	34.6163E	1429	
Asuncion Mita	JUAM	Guatemala	14.3356N	89.7058W	471	From 2015-05-07
Aswan	ASW	Egypt	24.0782N	32.8888E	132	From 1975-10-01
Atacazo Ninahuilca	NINA	Ecuador	0.3903S	78.6185W	4000	From 2012-05-04
Atahualpa	ATAH	Peru	7.1351S	78.3944W	3165	
Atalanti	ATAL	Greece,Greece	38.6926N	23.0213E	290	From 2008-01-01
tny	ATAN3	Hungary	47.6116N	20.3516E	92	From 2020-06-29
tny	ATAN1	Hungary	47.6134N	20.3571E	93	From 2019-08-12 to 2019-08-22
tny	ATAN2	Hungary	47.6124N	20.3560E	94	From 2019-08-22 to 2019-11-22

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
`Ataq	ATAQ	Yemen	14.5333N	46.8083E	0	
Atar	ATA	Djibouti	11.4537N	43.2052E	50	From 1972-04-01
Atar 1	ATR1	Israel	30.9700N	34.6300E	200	
Atarfe	AETJ	Spain	37.2360N	3.6880W	794	
Atchley Ranch, Grenville	U26A	New Mexico,U.S.A.	36.3945N	103.7439W	1861	From 2008-05-11 to 2010-04-19
Atenas	ATEO	Costa Rica	9.9780N	84.3820W	709	
Atessa	ATSA	Italy	42.0683N	14.4433E	475	From 2020-10-21
Athabasca	ATHA	Alberta,Canada	54.7137N	113.3137W	551	From 2012-10-19
Athalassa	ATHAL	Cyprus	35.1410N	33.3960E	160	From 2013-07-01
Athens-Acharnes	ACHAR	Greece	38.0746N	23.7413E	183	
Athens-Acropolis a	ACRA	Greece	37.9716N	23.7278E	131	
Athens-Acropolis e	ACRE	Greece	37.9718N	23.7279E	128	
Athens-Acropolis k	ACRK	Greece	37.9713N	23.7282E	128	
Athens-Drapetsona	DRPA	Greece	37.9474N	23.6302E	18	
Athens-Elefsina	ELFA	Greece	38.0447N	23.5405E	9	
Athens-Neo Psichiko	ATHP	Greece	38.0008N	23.7735E	187	
Athens Obs.	ATU	Greece	37.9722N	23.7167E	95	From 1892-01-01
Athens Observatory	ATH	Greece	37.9722N	23.7167E	95	From 1892-01-01
Athens Parliament	ATH5	Greece	37.9754N	23.7371E	50	From 2014-01-31
Athens-Thissio	NOAC	Greece	37.9733N	23.7176E	93	
Athens University	ATHU	Greece,Greece	37.9665N	23.7845E	308	From 2008-01-20
Atheras, Cephalonia Island, Greece	ATHR	Greece	38.3172N	20.4165E	263	From 2022-04-14
Athinios (Pelekanos)	THT1	Greece	36.3858N	25.4296E	0	From 2011-03-25
Atiamuri Tirohanga School	TIRS	North Island	38.4689S	175.9097E	456	From 2002-06-25
Atibaia	VAO2	Sao Paulo,Brazil	23.2250S	46.5417W	1120	From 1993-07-01
Atico	ATI	Peru	16.1711S	73.6203W	300	
Atikokan Iron Mine	ATKO	Ontario,Canada	48.8231N	91.6004W	382	
Atka	AA-IS	Alaska,U.S.A.	52.2117N	174.2036W	6	
Atka Island	ATKA	Alaska,U.S.A.	52.2027N	174.1955W	55	
Atkinson Farm	AKFZ	New Zealand	36.6057S	174.5224E	94	From 2023-03-16
ATLACOMULCO	ATVM	Mexico	19.7618N	99.8410W	2527	From 2009-01-01
Atlanta	ATL	Georgia,U.S.A.	33.4333N	84.3375W	272	From 1963-06-21
Atlanta	I12A	Idaho,U.S.A.	43.7945N	115.1328W	1849	From 2007-08-05 to 2009-07-28
Atlantic LNG	ALNG	Trinidad and Tobago	10.1814N	61.6882W		
Atlas Peak	NAPC	California,U.S.A.	38.4395N	122.2527W	716	
Atlin	P32M	British Columbia,Canada	59.5898N	133.7147W	793	From 2016-06-02
Atlixo	PPAX	Mexico	18.9220N	98.4200W	1910	
Atluck Lake	ATLB	British Columbia,Canada	50.2184N	127.0600W	266	From 2005-04-21
Atoka	AK-OK	Oklahoma,U.S.A.	34.3683N	96.0572W	183	From 1962-06-17 to 1962-06-28
Atoka	AK-	Oklahoma,U.S.A.	34.3683N	96.0572W	183	From 1962-06-17 to 1962-06-28
Atoyac	ATYC	Guerrero	17.2133N	100.4322W	51	
Atsumi	JYA	Yamagata,Japan	38.5930N	139.7138E	200	
Atsumi	JAA	Aichi,Japan	34.6317N	137.1433E	30	
Atsumi	ATM	Yamagata,Japan	38.5650N	139.6620E	180	From 1968-09-15
Attachie	ATC	British Columbia,Canada	56.2300N	121.4500W		
At Ta'if	TAIF	Saudi Arabia	21.2920N	40.3540E	1680	From 1989-02-01
Attica	ATT	New York,U.S.A.	42.8358N	78.1942W	470	From 1971-07-01 to 1976-01-16
Attock	CAM2	Pakistan	33.7350N	72.2340E	302	From 2009-09-20
Attu	ATTUG	Greenland	67.9400N	53.6200W	1	From 2019-06-02
Attu Island--Fox	ATTU	Alaska,U.S.A.	52.8821N	173.1643E	250	From 1993-07-01
Attu Island--Fox	FX1	Alaska,U.S.A.	52.8821N	173.1643E	250	From 1993-07-01
At Turbah	TRBA	Yemen	13.2310N	44.1150E	1860	
Atwood	P29A	Kansas,U.S.A.	39.6021N	100.9316W	929	From 2009-05-13 to 2011-04-03
Atyali, Azerbaijan	MV05	Azerbaijan	40.4319N	49.6928E	226	From 2021-02-23
Auburn	ABN	Nebraska,U.S.A.	40.3911N	95.8506W	294	From 1977-11-18
Auburn	ABRN	New York,U.S.A.	42.9963N	76.4853W	224	
Auburn Dam	ADC	California,U.S.A.	38.9448N	120.9680W	524	From 1972-02-01 to 1983-05-16
Auburn Hatchery	AHID	Idaho,U.S.A.	42.7654N	111.1004W	1960	
Auburntown	ABTN	Tennessee,U.S.A.	35.8855N	86.1090W	363	From 1984-01-01
Auca	AUCA	Ecuador	0.5500S	76.9000W	500	From 2012-08-14
AUCA MAHUIDA	NQ06	Neuquen	37.7143S	69.0622W	1150	From 2023-03-01
Auchinoon	EAU	Scotland,United Kingdom	55.8454N	3.4474W	359	From 1969-01-01
Auckland	AUC	North Island,New Zealand	36.8607S	174.7777E	79	From 1941-04-04 to 1994-06-12
Auditore - PU	MF01	Italy	43.8215N	12.5719E	368	From 2018-11-29
Augrabies	AUGR	Cape Province,South Africa	28.5940S	20.3380E	619	From 2011-03-30
Augspurger Mountain	APM	Washington,U.S.A.	45.7361N	121.6810W	865	
Augst-Roemermuseum	SAUR	Switzerland	47.5339N	7.7228E	290	From 2006-03-23
Augusta	H39A	Wisconsin,U.S.A.	44.6797N	91.2833W	345	From 2011-08-12 to 2013-06-06
Augusta	AG-	Maine,U.S.A.	44.3728N	69.6628W	152	
Augusta	HAGA	Sicily,Italy	37.2850N	15.1550E	126	From 1994-05-01
Augusta	AG-ME	Maine,U.S.A.	44.3728N	69.6628W	152	
AUGUSTA	AUG1	Italy	37.2432N	15.2555E	0	From 2007-09-27
Augusta-Monte Tauro	AGST	Sicily,Italy	37.2565N	15.2271E	70	
Auguste-Victoria Mine North	BAVN	Nordrhein-Westfalen,Germany	51.7380N	7.1220E	65	From 2011-02-21
Augustine Cone H	AUCH	Alaska,U.S.A.	59.3626N	153.4447W	916	From 2013-08-20
Augustine Domo	AUD	Alaska,U.S.A.	59.3626N	153.4260W	1208	From 1994-09-06
Augustine Flow	AUF	Alaska,U.S.A.	59.3878N	153.4590W	165	From 1975-09-01
Augustine H	AUH	Alaska,U.S.A.	59.3639N	153.4430W	890	From 1978-12-01
Augustine Island	AUI	Alaska,U.S.A.	59.3352N	153.4270W	293	From 1978-04-01
Augustine Island	AGI	Alaska,U.S.A.	59.3800N	153.4200W	580	From 1971-08-01 to 1976-01-31
Augustine Island	AUE	Alaska,U.S.A.	59.3590N	153.3720W	172	
Augustine Island	AU2	Alaska,U.S.A.	59.3703N	153.3780W	195	
Augustine Juegen Kienle	AUJK	Alaska,U.S.A.	59.3500N	153.4085W	377	
Augustine Junction	AUJA	Alaska,U.S.A.	59.4100N	153.4161W	22	From 2013-08-20
Augustine Lava	AUL	Alaska,U.S.A.	59.3822N	153.4350W	360	From 1980-10-29
Augustine Mound	AU22	Alaska,U.S.A.	59.3702N	153.3573W	105	From 2006-09-01
Augustine Mound	AUM	Alaska,U.S.A.	59.3708N	153.3530W	105	From 1975-09-01
Augustine NWest	AUNW	Alaska,U.S.A.	59.3782N	153.4768W	160	
Augustine Pinnacle	AUP	Alaska,U.S.A.	59.3623N	153.4210W	1033	From 1977-09-22
Augustine Qik'rtamen	AUQ	Alaska,U.S.A.	59.3549N	153.4143W	647	From 2013-08-20
Augustine SEast	AUSE	Alaska,U.S.A.	59.3414N	153.3975W	152	
Augustine-Summit	AGU	Alaska,U.S.A.	59.3600N	153.4310W	1226	From 1990-09-01
Augustine West	AUW	Alaska,U.S.A.	59.3701N	153.4710W	276	From 1986-07-01
Auke Bay	ABF	Alaska,U.S.A.	58.3813N	134.6430W	3	From 1980-10-27
Auki	AUK	Solomon Islands,Papua New Guinea	8.7617S	160.7030E	91	
Aulla	AULA	Italy	44.2087N	9.9731E	177	
Aumenau	GWBC	Hessen,Germany	50.3938N	8.2696E	180	From 2001-12-04
Aurakhmat	AUR	Uzbekistan	41.5833N	70.1167E		
Auriere	AURF	Provence-Cote d'Azur,France	43.8873N	7.3275E	1040	
Aurillac	ACDF	Auvergne,France	44.9300N	2.4400E	640	From 2007-05-03
Aurora	Q49A	Indiana,U.S.A.	39.0050N	84.8956W	264	From 2012-06-24
Aurora	AR-WS	Wisconsin,U.S.A.	45.6967N	88.1422W	381	From 1962-06-06 to 1962-10-05
Aurora	AR-	Wisconsin,U.S.A.	45.6967N	88.1422W	381	From 1962-06-06 to 1962-10-05
Aus	AUSN	Namibia	26.6700S	16.2600E	1496	
Au Sable	ASNY	New York,U.S.A.	44.5340N	73.6740W	0	
Ausora	ASOR	Uttar Pradesh,India	28.7559N	77.7723E	211	
Aussois	OG24	Rhone-Alpes,France	45.2217N	6.7357E	1495	From 1993-12-17
Austin	AUS	Texas,U.S.A.	30.2833N	97.7833W		
Austin	AT-NV	Nevada,U.S.A.	39.4814N	117.0739W	1981	From 1962-01-15 to 1963-07-01
Austin	ATX	Texas,U.S.A.	30.3144N	97.8667W	280	
Austin	P09A	Nevada,U.S.A.	39.5516N	117.1395W	1737	From 2006-04-14 to 2008-03-08
Austin	AT-	Nevada,U.S.A.	39.4814N	117.0739W	1981	From 1962-01-15 to 1963-07-01
Austin Creek State Park	AUSC	California	38.5606N	123.0087W	470	From 2019-06-01
Austmannsbunga	IAUS	Iceland	63.6723N	19.0808W	1373	From 2011-12-15
Autrey-Les-Gray, 70041, Haute-Saone, Franche-Comte	A213A	France	47.4967N	5.4799E	282	From 2016-04-01
Avacha	AVH	Kamchatskaya Oblast',Russia	53.2650N	158.7380E	900	
Avala Beograd	AVAS	Serbia	44.6960N	20.5132E	441	From 2017-08-27
Avaraart Lake	F20K	Alaska,U.S.A.	67.0486N	155.7251W	136	From 2017-07-22
AVASINIS	AVS	Italy	46.2946N	13.0497E	0	From 2006-03-10
Avcilar-stanbul	AVCI	Turkey	40.9958N	28.7225E	90	From 2014-01-30
Avdancik/Bursa	AVDN	Turkey	40.2933N	29.1646E	431	From 2013-05-08
Avdira	XANC	Greece	40.9798N	24.9529E	40	
Avella	O54A	Pennsylvania,U.S.A.	40.1821N	80.3778W	357	From 2012-12-14
Avellanes	AVN	Spain	41.8837N	0.7518E	630	
Avellino	AVL	Italy	40.9228N	14.7870E	422	From 2002-06-26
Avellino cab.Zagari	AVZA	Italy	40.9290N	14.7667E	559	From 2022-10-26
Avellino Ospedale	AVHO	Italy	40.9221N	14.7985E	464	From 2022-10-27
Ave Maria	059Z	Florida,U.S.A.	26.3373N	81.4432W	8	From 2012-03-13
Avenal, CA USA	AVNL	California	36.0158N	120.2941W	341	From 2019-02-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Avenal State Prison	AVSP	California	35.9626N	120.1326W	294	From 2022-12-05
Avenue Ruel MTQ2	RUEQ	Quebec	46.8718N	71.1637W	6	From 2017-03-01
Averroes	AVE	Morocco	33.2981N	7.4133W	230	From 1937-06-01
Avery, Jackson	244A	Mississippi,U.S.A.	32.0422N	90.6856W	59	From 2011-03-19 to 2013-01-22
Avery Point	APT	Connecticut,U.S.A.	41.3160N	72.0639W	3	From 1972-01-07 to 1977-06-01
AVETRANA	AVT	Italy	40.3217N	17.6994E	0	From 2010-07-06
Avezzano	AZI	Italy	41.9884N	13.4357E		From 1987-01-01 to 1994-12-31
AVEZZANO	AVZ	Italy	42.0274N	13.4259E	0	From 2001-04-26
AVIANO	AVI	Italy	46.0643N	12.6023E	0	From 2016-07-05
Avigliano	AVG3	Italy	40.7619N	15.7251E	1213	
Avigliano	UVAG	Italy	42.6522N	12.4276E	493	From 2008-02-20
Avinyo	AVIN	Spain	41.8438N	1.9655E	334	From 2010-10-19
Avlonas	S027	Greece	38.2370N	23.6660E	474	
Avola	HAVL	Sicily,Italy	36.9600N	15.1250E	455	From 1994-05-01
Avon	AVO	New South Wales,Australia	34.3764S	150.6150E	532	From 1958-01-01
Avondale Springs	ASTN	Tennessee,U.S.A.	36.3270N	83.4760W	730	
Avonos	AVNT	Turkey	38.7794N	34.8553E	1584	From 1998-01-01
AVREN	AVR	Bulgaria	43.1196N	27.6691E	304	From 2006-10-01
Avril sur Loire	AVF	Bourgogne,France	46.7906N	3.3526E	225	From 1977-10-19
Avril sur Loire	AVFP	Bourgogne,France	46.7919N	3.3569E	200	
AVT- Casa Castalda	ATCC	Italy	43.1851N	12.6399E	556	From 2009-12-16
AVT- Montelovesco	ATLO	Italy	43.3152N	12.4073E	583	From 2009-11-11
AVT- Monte Tezio	ATTE	Italy	43.1979N	12.3536E	928	From 2009-12-24
AVT- Monte Valcinella	ATVA	Italy	43.2786N	12.2853E	604	From 2009-11-11
AVT- Monte Valentino	ATVO	Italy	43.3821N	12.4066E	637	From 2009-10-27
Awaji shima	JAJ	Hyogo,Japan	34.3357N	134.9078E	109	
Awajishima-nagasawa	JAWN	Hyogo,Japan	34.4853N	134.9025E	211	From 2014-03-20
Awakeri	AWANZ	New Zealand	38.0168S	176.8620E	49	
awakinopoint	AWKZ	New Zealand	35.9078S	173.9065E	68	From 2022-12-21
Awash	AWSE	Ethiopia	8.9897N	40.1700E	921	
Awa shima	JAW	Niigata,Japan	38.4562N	139.2487E	70	
Awhitu Peninsula	AWAZ	North Island,New Zealand	37.0638S	174.6429E	-268	From 2010-12-14
Awka	AWKA	Nigeria	6.2427N	7.1116E	50	
Awoonga Dam	AWOON	Queensland,Australia	24.0773S	151.3147E	553	
Awoonga Dam 3	AWDQ	Queensland,Australia	24.0478S	151.3157E	110	From 1987-07-01
Awra	AWEE	Ethiopia	12.0673N	40.0719E	836	
AWRE	AWRE	Ethiopia	12.0659N	40.0715E	846	
Ayacara	AYCA	Patagonia	42.2906S	72.6996W	65	From 2010-01-01
Ayacucho	PP07	Peru	13.0833S	74.2500W	2800	
Ayacucho	AYAC	Peru	13.1510S	74.2060W	2761	
Ayagualo	AYA	El Salvador	13.6294N	89.2894W		
Ayamonte	EXAYA	Spain	37.2229N	7.4052W	37	
Aya Nagar	AYAN	Delhi,India	28.4823N	77.1265E	276	From 2001-03-13
Ayaqueme	AYVM	Mexico D.F.,Mexico	19.1678N	98.9542W	2924	
Ayas Ky, orum	AYAZ	Turkey	40.6790N	34.8574E	1122	From 2018-10-13
Aybut	ABTO	Oman	17.3538N	53.2966E	650	From 2001-07-01
Aydincik	AYK	Turkey	36.1522N	33.3269E	50	From 1988-01-01
Aydin, Didim	DDIM	Turkey	37.4571N	27.2414E	93	From 2014-12-04
Aydıntepe-Bayburt	BAYT	Turkey	40.3935N	40.1410E	1675	From 2008-09-12
Ayenquera	AYE	Peru	17.0133S	71.6719W	240	
Ayent-Fortunoz Trafohaus, VS	SAYF2	Switzerland	46.2880N	7.4170E	1024	From 2015-04-29
Ayikyak River	D22K	Alaska,U.S.A.	68.8799N	152.6821W	532	From 2017-08-17
Aykdinkavak	AYKD	Turkey	37.4144N	36.8067E	580	From 2009-02-07
`Aynunah	AYUS	Saudi Arabia	28.1889N	35.2689E		
Ayrk	AYRK	Armenia	40.1155N	45.7877E	2158	
Ayr State High School	AUAYR	Queensland,Australia	19.5800S	147.4100E	13	From 2013-08-11
Ayseler	AYS	Turkey	36.8955N	31.5736E	565	From 1977-02-01
Ayvalik	AYVA	Turkey	39.3083N	26.6903E	82	From 2003-10-24
Azai	AZJ	Shiga,Japan	35.4772N	136.3239E	370	
Azaras, Argentina	AZCA	Parana	28.0799S	55.9832W	212	From 2016-08-16
Azarshahr	IAZR	Iran	37.6783N	45.9800E	2300	From 1995-08-01
Azcapotzalco	APVM	Mexico D.F.	19.4880N	99.2085W	2210	
Azimkend, Azerbaijan	MV11	Azerbaijan	40.1911N	49.4249E	5	From 2021-04-01
Azle	FW06	Texas,U.S.A.	32.9726N	97.5569W	233	From 2016-10-20
Azmana	AZNN	Georgia	41.3466N	43.2107E	1805	From 2021-09-24
Azmana	AZMN	Georgia	41.3172N	43.2861E	1755	From 2013-11-06
Aznalcollar, Sevilla	E017	Spain	37.5720N	6.2290W	259	From 2007-11-15 to 2009-06-19
Azuc	AZUC	Colombia	3.6940N	76.1360W	3680	
Azucar	AZ1C	Colombia	3.7310N	76.1118W	3980	
Azuela	AZU1	Ecuador	0.0825S	77.5905W	1766	From 2003-04-22
Azuero	AZU	Panama	7.7917N	80.2740W	14	
B01	B01	Germany	50.6140N	6.6320E	345	
B01S	B01S	East of Mariana Islands	16.0405N	149.2815E	-5321	
B02	B02	Germany	50.5760N	6.9450E	400	
B02S	B02S	East of Mariana Islands	16.5153N	148.3343E	-5811	
B03	B03	Germany	50.6480N	7.3070E	320	
B03S	B03S	East of Mariana Islands	16.1729N	147.9798E	-5443	
B04	B04	Germany	50.5730N	7.6870E	270	
B04L	B04L	East of Mariana Islands	16.4999N	147.5312E	-4803	
B05	B05	Germany	50.4810N	6.5670E	500	
B05L	B05L	East of Mariana Islands	16.6626N	146.9586E	-5519	
B06	B06	Germany	50.4300N	6.7730E	500	
B06L	B06L	East of Mariana Islands	17.2486N	146.8028E	-3816	
B07	B07	Germany	50.4820N	7.0290E	230	
B07L	B07L	East of Mariana Islands	17.2096N	147.6012E	-4256	
B08	B08	Germany	50.4630N	7.1680E	355	
B08L	B08L	East of Mariana Islands	17.4288N	148.1804E	-4113	
B09	B09	Germany	50.4880N	7.4750E	150	
B09S	B09S	East of Mariana Islands	16.9986N	148.5124E	-5897	
B10	B10	Germany	50.3350N	6.5770E	550	
B10S	B10S	East of Mariana Islands	16.7971N	149.5810E	-5393	
B11	B11	Germany	50.3530N	6.8230E	435	
B11S	B11S	East of Mariana Islands	17.5944N	149.6501E	-5196	
B12	B12	Germany	50.3690N	6.9690E	380	
B12S	B12S	East of Mariana Islands	17.6319N	148.5917E	-5909	
B13	B13	Germany	50.3500N	7.3680E	140	
B13L	B13L	East of Mariana Islands	17.8734N	147.5308E	-4528	
B14	B14	Germany	50.3460N	7.7490E	395	
B14L	B14L	East of Mariana Islands	17.9988N	146.7478E	-3643	
B15	B15	Germany	50.2120N	6.9810E	425	
B15L	B15L	East of Mariana Islands	18.5613N	146.9027E	-3580	
B16	B16	Germany	50.2210N	7.2350E	315	
B16L	B16L	East of Mariana Islands	18.2295N	147.5097E	-4995	
B17	B17	Germany	50.2090N	7.4950E	320	
B17L	B17L	East of Mariana Islands	18.4245N	147.9375E	-4332	
B18	B18	Germany	50.1650N	6.2070E	540	
B18S	B18S	East of Mariana Islands	18.6635N	148.4927E	-5671	
B19	B19	Germany	50.1810N	6.5240E	540	
B19S	B19S	East of Mariana Islands	18.1025N	148.5212E	-5949	
B20	B20	Germany	50.0510N	6.2990E	465	
B20S	B20S	East of Mariana Islands	18.4828N	149.4545E	-5563	
B21	B21	Germany	50.0370N	6.5880E	345	
B22	B22	Germany	50.0320N	7.5180E	435	
B23	B23	Germany	49.9170N	6.3450E	345	
B24	B24	Germany	49.9210N	6.5740E	340	
B26	B26	Germany	49.9040N	7.3920E	400	
B27	B27	Germany	49.9010N	7.7140E	350	
B29	B29	Germany	49.7190N	6.7940E	450	
B30	B30	Germany	49.7590N	7.2400E	440	
B32	B32	Germany	49.7620N	7.7900E	250	
B33	B33	Germany	49.7620N	8.1860E	165	
B34	B34	Germany	49.5210N	7.7120E	280	
B35	B35	Germany	49.5160N	6.6090E	180	
B36	B36	Germany	49.5010N	6.7810E	275	
B37	B37	Germany	49.4820N	7.0320E	335	
B38	B38	Germany	49.5070N	7.4530E	225	
B39	B39	Germany	49.5050N	7.7770E	290	
B40	B40	Germany	49.1710N	6.8220E	300	
B41	B41	Germany	49.1970N	7.1450E	310	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
B42	B42	Germany	49.1840N	7.4950E	340	
B43	B43	Germany	50.0270N	7.6830E	410	
B44	B44	Germany	50.0360N	7.9500E	345	
B46	B46	Germany	50.2130N	7.9910E	375	
B49	B49	Germany	50.4540N	8.0810E	235	
B50	B50	Germany	50.6220N	7.4310E	200	
B51	B51	Germany	50.4820N	7.2670E	110	
B52	B52	Germany	50.3490N	7.1980E	410	
B53	B53	Germany	50.2510N	7.0740E	490	
B54	B54	Germany	50.1770N	7.0430E	430	
B55	B55	Germany	50.1580N	6.9850E	400	
B56	B56	Germany	50.1110N	6.9710E	365	
B57	B57	Germany	50.0650N	6.9460E	380	
B58	B58	Germany	50.0280N	6.8720E	350	
B59	B59	Germany	50.0100N	6.8390E	365	
B60	B60	Germany	49.9660N	6.8270E	280	
B61	B61	Germany	49.9150N	6.7800E	340	
B62	B62	Germany	49.8720N	6.7110E	300	
B63	B63	Germany	49.8490N	6.6590E	385	
B64	B64	Germany	49.8150N	6.6180E	305	
B65	B65	Germany	49.7620N	6.5600E	265	
B66	B66	Germany	49.6910N	6.4700E	160	
B67	B67	Germany	49.5570N	6.4720E	385	
B70	B70	Germany	50.2620N	6.6600E	380	
B71	B71	Germany	50.1950N	6.7400E	485	
B72	B72	Germany	50.1480N	6.8240E	415	
B73	B73	Germany	50.0260N	7.0710E	165	
B74	B74	Germany	49.9840N	7.1490E	130	
B75	B75	Germany	49.9390N	7.2170E	430	
B82	B82	Germany	50.5590N	6.2360E	530	
Baar Spital, ZG	SBAS	Switzerland	47.1938N	8.5170E	433	From 2014-10-16
Babadag-Denizli	BABD	Turkey	37.8020N	28.8531E	900	From 2020-12-23
Babar	CBBAR	Algeria	35.1442N	7.1910E	1402	
Babate	BBTS	Senegal	14.6613N	16.5332W	0	
Babati	BBAT	Tanzania,United Republic of Tanzania	4.2048S	35.7610E	1337	
Babbage River	E28M	Yukon Territories,Canada	68.6043N	139.5349W	474	From 2017-08-20
Babbit Peak	BABR	California,U.S.A.	39.6024N	120.1059W	2659	
Babushkin	BTMB	Buryatiya,Russia	51.7000N	105.8320E	550	From 1999-03-01
Bacau	BAC	Romania	46.5669N	26.9124E	169	From 1942-12-25
Bacau	BAC4	Romania	46.5700N	26.9030E	170	From 2015-09-15
Bac Can	BCVB	Vietnam	21.8848N	105.7725E	51	From 2008-01-01
Baccana	BACM	Italy	44.2783N	10.0722E	450	From 1998-11-01
Baccarat	BACF	Lorraine,France	48.4440N	6.7390E	316	
Bac-Giang	BGV	Vietnam	21.2941N	106.2290E	15	From 1967-04-01
Bachatsky 1, Kuzbass, Russia	BJR1	Kemerovskaya Oblast',Russia	54.2378N	86.0395E	369	From 2014-12-01
Bachatsky-2, Kuzbass, Russia	BJR2	Kemerovskaya Oblast',Russia	54.2810N	86.1268E	300	From 2014-11-27
Bachatsky-3 (Starobachaty), Kuzbass, Russia	BJR3	Kemerovskaya Oblast',Russia	54.2252N	86.1563E	225	From 2014-12-05
Bachatsky-4, Kuzbass, Russia	BJR4	Kemerovskaya Oblast',Russia	54.3009N	86.2749E	217	From 2014-12-03
Bachelor Mtn.	BACC	California,U.S.A.	33.6122N	117.0406W	551	
Backbrunna	BACU	Sweden	59.8540N	17.1078E	100	From 2001-12-12
Backryungdo	KSBAR	Republic of Korea	37.9770N	124.7142E	0	From 2008-02-14
Bacolet	BOT	Trinidad and Tobago	11.1667N	60.7179W	30	
Bacoli	BCLI	Italy	40.7968N	14.0777E	15	From 2019-10-17
Bacoli Parco Archeologico Terme di Baia	BAIP	Italy	40.8183N	14.0705E	8	From 2023-10-10
Bacolod Lanao del Norte	BLNP	Mindanao	8.1529N	124.0317E	238	
Bacon Ridge	BCRT	Tennessee,U.S.A.	35.7660N	84.5760W	409	
Baconsthorpe	ABA1	England,United Kingdom	52.8884N	1.1453E	74	From 1982-01-01
Badajoz	EXBA	Spain	38.8790N	6.9700W	185	
Badajoz	EBAD	Spain	38.7556N	7.0133W	221	
Badasada Odisha,India	BADS	Orissa	21.2962N	85.2022E	132	From 2015-07-15
Bad Bayersoien, Bavaria	A143A	Germany	47.6836N	11.0032E	850	From 2016-01-18
Badegauja	BADN	Nepal	28.7330N	81.1670E	1556	
Bademkaya	DBAD	Turkey	41.0183N	41.6947E	1139	From 2007-09-26
Baden-Baden-Neuweier	BABA	Baden-Wurttemberg	48.7188N	8.1921E	208	From 2015-08-01
Badger Mountain	BDG	Washington,U.S.A.	46.2347N	119.3170W	475	From 1969-03-01
Badia	A291A	Italy	46.6246N	11.8805E	1568	From 2015-09-22
Badiali	BADI	Italy	43.5097N	12.2443E	430	From 2004-07-30
Bad Ischl, Austria	BIOA	Austria	47.6913N	13.6383E	614	From 2016-03-02
Bad Neuenahr-Ahrweiler	AHRW	Rheinland-Pfalz,Germany	50.5410N	7.0760E	90	From 2009-05-14
Badogoroda	BDRD	Orissa	20.0400N	85.1200E	84	From 2018-07-15
Badr	BADR	Saudi Arabia	23.8817N	38.6580E	137	
Badra	IBDR	Iraq	33.1100N	45.9300E	90	From 2009-01-01
Badran	BDRN	Syria	33.3408N	36.3095E	965	From 1994-12-01
Bad Rappenau	A115A	Germany	49.2740N	9.0524E	277	From 2015-10-26
Bad Reichenhall	BHG	Bayern,Germany	47.7214N	12.8789E	475	From 1972-03-01
Bad Saulgau	SAUL	Baden-Wurttemberg	48.0124N	9.5092E	593	From 2017-01-01
Bad Segeberg	BSEG	Schleswig-Holstein,Germany	53.9353N	10.3169E	40	
Badsfontein, Murraysburg, Western Cape	BFON	South Africa	31.7989S	23.6888E	1311	From 2016-07-18
Badung, Bali, Indonesia	BDBI	Indonesia	8.5200S	115.2087E	77	From 2021-12-31
Bad Urach	BUCH	Baden-Wurttemberg,Germany	48.4486N	9.3518E	785	From 2002-01-01
Bad Urach, Seeburg	A109A	Germany	48.4438N	9.4586E	665	From 2015-11-12
Baengnyeongdo	KSBRD	Republic of Korea	37.9677N	124.6303E	169	From 2001-11-06
Baerendorf, Steiermark	A025A	Austria	47.5207N	14.4165E	794	From 2015-09-07
Baffin Island 1	B1NU	Nunavut,Canada	68.4619N	71.5880W	181	
Baffin Island 2	B2NU	Nunavut,Canada	68.9216N	73.1966W	157	
Bafgh	IBAF	Iran	31.5902N	55.5673E	1485	From 1998-10-01
BAG2	BAG2	Panama	8.4495N	82.5255W	99	
Bagaces	BAGA	Costa Rica,Costa Rica	10.5280N	85.2610W	124	
Bagala, Chiriqui	BAGA3	Panama	8.4670N	82.5270W	120	From 2010-01-01
Bagelen, Jawa Tengah	BPJI	Indonesia	7.8105S	109.9971E	64	From 2019-10-01
Baggett Ranch, Ozona	430A	Texas,U.S.A.	30.7866N	101.2362W	768	From 2009-02-14 to 2010-12-12
Baghdad	BHD	Iraq	33.2700N	44.3800E	32	From 1979-01-01
Bagheran - Birjand	BAGH	Iran	32.7823N	59.2048E	2581	From 2016-01-13
Bagley Icefield	BAGL	Alaska,U.S.A.	60.4901N	142.0895W	55	
Bagneres-Bigorre	BDB	Midi-Pyrenees,France	43.0650N	0.1483E	561	From 1960-01-01 to 1970-12-31
Bagni Di Lucca	BGLA	Italy	43.9958N	10.5769E	447	
Bagni Di Lucca	BDI	Italy	44.0625N	10.5969E	830	From 1983-10-01
Bagno di Romagna	BGRA	Italy	43.8895N	11.9912E	557	
Bagnolo	SF13	Italy	42.8184N	11.6195E	718	From 2016-04-03
Bagnone	BGNO	Italy	44.3224N	9.9917E	304	
Bagolino	BAG8	Italy	45.8228N	10.4664E	807	From 2006-06-15
Bagra	BGP	Pakistan	33.9742N	73.0682E	777	
Baguashan	BGSB	Taiwan region	24.0570N	120.6106E	0	
Baguio	BAF*	Luzon,Philippines	16.4167N	120.6000E	1500	From 1972-01-01
Baguio City	BAG	Luzon,Philippines	16.4108N	120.5800E	1507	From 1909-01-01
Baguio City	BCP	Luzon,Philippines	16.4180N	120.6100E	1500	
Baguio City Dairy Farm	BCPH	Luzon,Philippines	16.3810N	120.5810E	1500	
Baguio Weather Station	BWP	Luzon,Philippines	16.4047N	120.6022E		
Bagumbayan, Sultan Kudarat, Philippines	SKMP	Mindanao,Philippines	6.5194N	124.5429E	100	From 2012-06-04
Bahadjhola, Orissa	BDJL	India	20.0800N	84.9200E	132	From 2018-07-17
Bahadurgarh	BHGR	Haryana,India	28.6876N	76.9390E	212	
Bahawalnagar	BNGR	Punjab,India	29.9500N	73.2500E	157	From 2006-05-20
Bahce, Osmaniye Turkey	MIND	Turkey	37.2643N	36.6412E	1105	From 2021-12-29
Bahia de las Aguilas	LOBH	Dominican Republic	17.8620N	71.6387W	45	From 2018-01-21
Bahia de los Angeles	BAX	Baja California	28.9397N	113.5570W	36	
Bahia de Los Angeles	LAX	Baja California,Mexico	28.9467N	113.5670W	50	From 1971-12-31
Baha de los ngeles	BAHB	Baja California	28.9438N	113.5618W	35	From 2001-03-27
Bahia Kino	BKIRB	Sonora	28.8560N	112.0020W	20	From 2017-07-15
Bahia Malaga	MALC	Colombia	4.0130N	77.3352W	75	
Bahia Solano	SOLC	Colombia	6.2265N	77.4087W	38	From 1994-01-01
Bahodopi, Sulawesi Tengah	BHCM	Indonesia	2.7965S	122.1259E	11	From 2019-01-01
Bahrah	BHRA	Saudi Arabia	21.4440N	39.9680E		From 1995-01-01 to 1999-08-25
Bahrah	BARA	Saudi Arabia	21.4400N	39.4710E	250	From 1995-04-01
Bahraich	BRCI	Uttar Pradesh,India	27.5652N	81.6040E	103	
BAHRAICH	BRCH	Uttar Pradesh	27.3400N	81.3500E	123	From 1981-08-31
Bahrain	SAKB	Bahrain	25.9782N	50.5365E	45	
BAHS	BAHS	Saudi Arabia	19.9699N	41.5993E	2082	
Baia Mare	BMR	Romania	47.6736N	23.4960E	294	From 1979-01-01
Baidarnaya	BDR	Kamchatskaya Oblast',Russia	56.5680N	161.2080E	936	From 2005-10-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Baie Comeau	CNQ	Quebec,Canada	49.3022N	68.0744W	200	From 1991-01-07
Baie-Comeau	BACQ	Quebec	49.2912N	68.1634W	0	From 2015-10-24
Baie du Lac Sali	BLSD	Djibouti	11.5908N	42.5178E	100	From 1987-01-01
Baie-du-Mesle, Saint-Louis-du-Sud, Aquin, Sud	SMESL	Haiti	18.2279N	73.6161W	0	From 2020-12-10
Baie Johan-Beetz	BJBQ	Quebec,Canada	50.2874N	62.8094W	6	From 2017-09-23
Baie-Sainte-Catherine	BSCQ	Quebec	48.1235N	69.7164W	0	From 2015-10-20
Baie-St-Paul	BSPQ	Quebec,Canada	47.4400N	70.5100W	0	From 1979-05-24
Baie-St-Paul	BLBQ	Quebec,Canada	47.4275N	70.5156W	35	From 2009-11-05
Baijiatuau	BJT	Beijing,China	40.0183N	116.1680E	197	From 1995-01-01
Bailadores	BLV	Venezuela	8.1908N	71.8256W	1110	From 1969-08-01 to 1970-09-29
Bailesti	BAIL	Romania	44.0201N	23.3450E	103	From 2012-11-21
Bailey Peak	BAP	Utah,U.S.A.	38.5264N	112.7950W	2387	
Bailey Ranch, Gibbon	N31A	Nebraska,U.S.A.	40.8235N	98.9544W	687	From 2009-09-11 to 2011-08-18
Bainbridge School	BABE	Washington,U.S.A.	47.6058N	122.5353W	83	
Baing, Sumba	BASI	Sumba,Indonesia	10.2189S	120.5777E	80	From 2008-12-01
Bains de Bromines	BROM	Rhone-Alpes,France	45.9450N	6.0668E	535	From 1997-02-19
Baital	BTLS	Kazakhstan	45.0410N	74.0460E	341	From 2010-10-01
Baitugan	BT3	Orenburgskaya Oblast'	54.2278N	52.4591E	184	From 2010-01-01
Baives	BAIF	Nord-Pas-de-Calais,France	50.0592N	4.2078E	215	From 1996-04-03
Baixo Iguassu	BIPR1	Parana	25.4876S	53.6312W	306	From 2017-12-01 to 2099-12-12
Baiyang Downstream	TQ101	Taiwan region	24.1838N	121.4863E	510	From 2019-04-06
Baiyang Upstream	TQ100	Taiwan region	24.1855N	121.4857E	518	From 2019-04-06
Baj	A269A	Hungary	47.6386N	18.3824E	195	From 2015-12-09
Bajada de Aelo	NQ07	Neuquen	38.1104S	69.0897W	250	From 2022-09-15
Bajamar	EBAJ	Spain	28.5399N	16.3434W	239	
Bajawa, Nusa Tenggara Timur	BNTI	Indonesia	8.7881S	120.9768E	1186	From 2019-01-01
Bajram Curri	BCI	Albania	42.3666N	20.0675E	500	
Bakacak	BKT	Turkey	40.1420N	29.1360E	1734	From 1978-09-01 to 1980-12-31
Bakakara, VANGO	VVANG	Vanuatu	15.2966S	166.8849E	141	
Bakel	BKL	Senegal	14.9024N	12.4648W	30	From 1976-11-01
Baker	E24A	Montana,U.S.A.	46.5608N	104.3073W	912	From 2008-11-12 to 2010-08-04
Baker	BKRC	California,U.S.A.	35.2693N	116.0703W	275	
Baker Fire Station, Cottonwood	BAKR	California	40.2803N	122.4923W	191	From 2022-03-30
Baker Lake	BLKN	Nunavut,Canada	64.3185N	96.0024W	40	From 2017-08-13
Baker Lake	BLC	Northwest Territories,Canada	64.3167N	96.0167W	16	From 1965-07-26 to 1977-06-23
Baker Lake, Hudson Bay	YBKN	Nunavut,Canada	64.3185N	96.0026W	25	From 2006-08-27 to 2012-07-16
Bakersfield	BF-CL	California,U.S.A.	35.6481N	118.8575W	567	
Bakersfield	BF-	California,U.S.A.	35.6481N	118.8575W	567	
Bakhmal	BXML	Uzbekistan	39.6865N	68.0314E	1485	
Baki	BAK	Azerbaijan	40.3720N	49.8180E	83	From 1903-01-01
Bakirkoy-Istanbul	HVHR	Turkey	40.9698N	28.8445E	22	From 2011-01-01
Baklan-Denizli	BAKL	Turkey	37.9793N	29.6135E	1032	From 2020-12-23
Bakonya	RHK1	Hungary	46.0948N	18.0720E	297	
Bakultala	BAKU	Andaman Islands,India	12.3036N	92.5139E	30	From 2012-01-01
Bakun	BNMM	Sarawak	2.7767N	114.0350E	272	
Bakuriani	BKR	Georgia,Georgia	41.7337N	43.5032E	1798	From 1955-01-01
Bakuriani	BKRG	Georgia,Georgia	41.7596N	43.5223E	1655	From 2013-09-29
Bal3x, Balta	BAL3X	Ukraine	47.9355N	29.6013E	200	
Bala	BBAL	Turkey	39.5427N	33.1230E	1312	From 2008-03-05
Bala	BALAT	Turkey	39.5562N	33.1198E	1288	From 2007-12-21
Balabanlı, demi, zmir	IZMR	Turkey	38.1367N	27.9522E	168	From 2017-02-13
Balaesang, Sulawesi Tengah	BGCM	Indonesia	0.0496S	119.8801E	18	From 2019-01-01
Balaesang Tanjung, Sulawesi Tengah	BLCM	Indonesia	0.1229S	119.6871E	11	From 2019-01-01
Balakhany	BALAK	Azerbaijan	40.4500N	49.9200E	36	From 1907-03-01 to 1910-12-31
Balakhonka, Kuzbass, Russia	BALAH	Kemerovskaya Oblast',Russia	55.6112N	86.0165E	167	From 2014-12-29
Balakot	BLKT	Pakistan	34.5300N	73.3300E	991	From 2007-10-10
Balbina	BAL3	Brazil	1.9155S	59.4141W	160	From 2015-11-13
Balbina	BALN	Amazonas	1.9398S	59.4887W	51	From 2022-11-23
Balboa, Cauca	BBAC	Colombia	2.0215N	77.2468W	1713	From 2013-04-26
Balboa Heights	BHP	Panama	8.9608N	79.5581W	36	From 1914-01-01 to 1977-03-31
Balclutha District Council	BDCS	South Island,New Zealand	46.2491S	169.7194E	55	From 2002-06-10
Balcom Canyon	BALC	California,U.S.A.	34.3076N	118.9671W	258	
Balcova	BLCB	Turkey	38.3853N	27.0420E	150	From 2004-10-05
Bald Eagle	BED	District of Columbia,U.S.A.	38.8200N	77.0089W		
Bald Hill	BLH	Washington,U.S.A.	47.8368N	122.0320W	198	
Bald Jesse, CA USA	BJES	California	40.5437N	123.8802W	1051	From 2018-01-01
Bald Knob	W42A	Arkansas,U.S.A.	35.2732N	91.5224W	71	From 2011-07-29 to 2013-03-07
Bald Knob	BK-	Arkansas,U.S.A.	35.3567N	91.6450W	122	From 1962-07-06 to 1963-04-10
Bald Knob	BK-AR	Arkansas,U.S.A.	35.3567N	91.6450W	122	From 1962-07-06 to 1963-04-10
Bald Mountain Lookout	CBLG	California,U.S.A.	37.7715N	118.8980W	2560	From 1984-01-01
Bald Mountain Lookout Tower, Alberta	BDMTA	Alberta,Canada	54.8129N	118.9149W	934	From 2014-07-30
Bald Peter	BPO	Oregon,U.S.A.	44.6519N	121.6890W	1957	From 1987-09-01
Bald Peter	VBPM	Oregon,U.S.A.	44.6610N	121.6890W	1876	
Baldwin	BA-	Wisconsin,U.S.A.	44.8994N	92.2722W	335	From 1962-10-11 to 1962-10-27
Baldwin	BA-WS	Wisconsin,U.S.A.	44.8994N	92.2722W	335	From 1962-10-11 to 1962-10-27
Baldwin Hills Oil	BHPC	California,U.S.A.	33.9905N	118.3617W	81	
Baldwin Penninsula	F17K	Alaska,U.S.A.	66.4420N	161.2502W	51	From 2017-07-27
Baldy	BALM	Alaska,U.S.A.	61.0362N	142.3450W	1300	From 1973-08-24
Baldybastay	BLB	Kazakhstan	44.0970N	78.4780E	1424	From 2015-04-13
Baldy Mountain	GBMM	California,U.S.A.	39.1418N	122.4940W	975	
Baldy Mountain	BALA	Alaska,U.S.A.	55.1937N	162.7857W	329	From 1996-07-01
Baleine	SVL	St Vincent,Saint Vincent and the Grenadines	13.3680N	61.2040W	91	
Baler	BALP	Luzon,Philippines	15.7410N	121.5760E	50	
Balgarevo	KALB	Bulgaria	43.4059N	28.4162E	121	From 2012-11-20
Balgari	BG13A	Bulgaria	42.0876N	27.7294E	291	From 2022-06-15
Balikesir	BALB	Turkey	39.6400N	27.8800E	120	
Balıkesir	KNL	Turkey	40.2707N	27.5261E	178	From 2006-09-07
Balikesir, Burhaniye-Dutluca	BUHA	Turkey	39.5011N	27.0769E	258	From 2014-12-01
Balıkesir-Merkez	BKES	Turkey	39.7330N	27.9293E	324	From 2017-02-15
BALIKESIR_Savastepe	STEP	Turkey	39.3767N	27.7183E	519	From 2011-09-29
Balıkesir-Susurluk-anacık	BLKS	Turkey	39.8745N	27.9684E	437	From 2018-01-01
Balikpapan	BKB2	Kalimantan,Indonesia	1.2605S	116.8960E		
Balikpapan	BKB	Kalimantan,Indonesia	1.2605S	116.8963E	0	
Balingen, Zollernalbkreis	BALG	Baden-Wurttemberg	48.2732N	8.8539E	511	From 2015-09-01
Baljurashi	BLJS	Saudi Arabia	19.9571N	41.6051E	2239	
Baljuvan	BLD	Tajikistan	38.3000N	69.6600E		
Ballabur	BAU	Azerbaijan	38.7100N	48.7800E	70	From 1984-01-01
Balladonia	DNDOZ	Western Australia	32.4609S	123.8680E	153	From 2019-02-28
Ballarat	BRAT	Victoria,Australia	37.5500S	143.9310E	9	
Ballidu	BAL	Western Australia,Australia	30.6065S	116.7072E	300	From 1982-08-27 to 1997-12-31
Ballidu	BLDU	Western Australia,Australia	30.6147S	116.7091E	280	From 1999-11-08
Ballon Servance	BSF	Franche Comte,France	47.8319N	6.7922E	1200	
Balmorhea	BM-	Texas,U.S.A.	30.9264N	103.8550W	1067	From 1962-01-20 to 1962-02-15
Balmorhea	BM-TX	Texas,U.S.A.	30.9264N	103.8550W	1067	From 1962-01-20 to 1962-02-15
Balmorhea Ranch, Pecos	327A	Texas,U.S.A.	31.3691N	103.4923W	784	From 2008-03-20 to 2010-02-13
Balon	A339A	Slovakia	47.8294N	17.6559E	110	From 2015-09-02
Balqa	BALJ	Jordan	32.0873N	35.6400E	375	From 2018-01-12
Balsha	BLSH	Bulgaria	42.8569N	23.2792E	745	From 2019-05-08
Balsiges	BALS	France	44.5197N	3.4518E	1063	
Balsthal	BALST	Switzerland	47.3358N	7.6950E	908	From 2000-06-16
Baltah	BLIT	Tunisia	36.7130N	8.9528E	225	
Baltimore	BLVT	Vermont,U.S.A.	43.3488N	72.5853W	300	
Baltimore	BALH	Maryland,U.S.A.	39.2967N	76.6200W		From 1908-01-01 to 1916-01-01
Balya	BALY	Turkey	39.7403N	27.6195E	645	From 2007-05-24
Balzapamba Montalvo, CascadaMilagrosa	MONB	Ecuador	1.7674S	79.1951W	700	From 2012-07-25
Balzar	BALZ	Ecuador	1.3762S	79.9109W	34	From 2012-05-21
BAM	KBAM	Iran	29.1356N	58.4523E	975	
Bamboo Saint Ann	BBJ	Jamaica	18.3830N	77.2670W	641	From 1977-02-14
Bambui	BNC	Cameroon	6.0160N	10.2800E	1890	From 1987-02-17
Bamfield	BFSB	British Columbia,Canada	48.8336N	125.1361W	23	From 2013-11-15
Bamfield	B928	British Columbia,Canada	48.8337N	125.1345W	-227	
Bamfield Marine Station	BMSB	British Columbia,Canada	48.8356N	125.1355W	10	From 2003-03-07
Banah	BANOM	Oman	25.9233N	56.2996E	504	From 2004-12-01
Bananza Creek	G23K	Alaska,U.S.A.	66.7108N	150.0239W	746	From 2016-06-16
Banawang	BNP	Luzon,Philippines	14.6188N	120.4140E	71	
Banawa Selatan, Sulawesi Tengah	BDCM	Indonesia	0.8726S	119.5868E	18	From 2019-01-01
Banaz, Uak	BNAZ	Turkey	38.6790N	29.8795E	1206	From 2017-12-13
Banca Lucia	BANL	Costa Rica	10.5197N	84.8320W	821	From 2000-01-01
Bancas Point	BCPM	Alaska,U.S.A.	59.9533N	139.6350W	396	From 1979-07-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Banco Central	ABCN	Nicaragua	12.1217N	86.3099W	175	From 2014-05-13
Banco Serrana, Archipielago de San Andres, Providencia y Santa Catalina	SERO	Colombia	14.2863N	80.3649W	0	From 2018-10-23
Bancroft	BANO	Ontario,Canada	45.0198N	77.9280W	360	From 2009-04-29
BANDA	BNDA	Uttar Pradesh	25.4820N	80.3310E	126	From 2018-02-08
Banda Aceh	BSI	Sumatera,Indonesia	5.4964N	95.2961E	192	
Bandanaira	BNDI	Moluccas,Indonesia	4.5224S	129.9045E	16	From 2008-07-04
Bandar-abas	IBND	Iran	27.4489N	56.5399E	62	From 2006-07-01
Bandar-Abbas	BNDS	Iran	27.3993N	56.1713E	1500	From 2004-05-13
Bandar Baru, Aceh	BUSI	Indonesia	5.1665N	96.8861E	13	From 2019-01-01
Bandar Lampung	BLSI	Sumatera,Indonesia	5.3676S	105.2452E	147	From 2005-01-01
Banding Agung, Sumatera Selatan	BOSM	Indonesia	4.8592S	104.0207E	640	From 2019-01-01
Bandirma	BNT	Turkey	40.3561N	27.9200E	354	From 1984-01-01
Bandırma, Balıkesir	BAND	Turkey	40.3553N	28.0992E	291	From 2017-02-14
Bandung	BND	Jawa,Indonesia	6.9000S	107.6500E	726	
Bandy Ranch University of Montana	BRMT	Montana	47.1055N	113.2277W	1388	From 2020-07-28
Banff	BAN	Alberta,Canada	51.1717N	115.5580W	1500	From 1956-08-01 to 1966-09-22
Bangbang-kol	BBK	Republic of Korea	35.5798N	129.4356E	0	From 2007-12-26
Bangkinang	BKNI	Sumatera,Indonesia	0.3262N	101.0396E	65	From 2008-04-26
Bangko, Jambi	BMSI	Indonesia	2.0664S	102.3154E	135	From 2019-10-01
BangkokBB_BH_low_level	TMDB	Thailand	13.6684N	100.6068E	-47	
Bangong	ST19	Xizang Zizhiqu,China	32.0576N	89.1912E	4596	From 1998-07-10 to 1999-05-29
Bangong Suture	ST21A	Xizang Zizhiqu,China	32.2750N	89.0972E	4644	From 1998-07-24 to 1999-05-29
Bangor	BG-	Maine,U.S.A.	44.6344N	69.2214W	183	From 1961-11-04 to 1962-07-01
Bangor	BG-ME	Maine,U.S.A.	44.6344N	69.2214W	183	From 1961-11-04 to 1962-07-01
Bangor (NY)	BGR	New York,U.S.A.	44.8288N	74.3742W	297	From 1976-11-01
Bangui	BCAO	Central African Republic	4.4333N	18.5353E	336	From 1979-05-31 to 1999-08-25
Bangui	BNG	Central African Republic	4.4350N	18.5467E	378	
Bangula	BANG1	Malawi	16.5842S	35.1165E	96	From 2011-04-26
BANI	BANI	Dominican Republic	18.3923N	70.3582W	1038	From 1996-06-01
Baniby	KSBB	Iraq	35.0415N	45.7092E	500	
Bani Escuela	BAN1	Dominican Republic	18.2782N	70.3314W	65	From 2013-08-30
Bani Suef	HBNS	Egypt	28.9517N	31.2126E	210	
Bani Suef	NBNS	Egypt	28.6226N	31.2945E	295	From 2010-03-20
Banja Luka	BLY	Bosnia and Herzegovina	44.7488N	17.1839E	256	From 1975-05-01
Banjamegara	BJII	Jawa,Indonesia	7.3329S	109.7096E	629	From 2000-01-01
Banjar Baru	BBKI	Kalimantan,Indonesia	3.4625S	114.8411E	110	From 2005-01-01
Banjar, Jawa Barat	BKJI	Indonesia	7.3633S	108.5322E	84	From 2019-10-01
Bankside	MCHD	South Island	43.6580S	171.9917E	159	
Banks Island	BNKB	British Columbia,Canada	53.3318N	129.9017W	421	From 2014-08-20
Banloc	BANR	Romania	45.3825N	21.1355E	80	
Banloc	BNL2	Romania	45.3870N	21.1354E	81	From 2015-10-01
Banmiancun	YXBM	Taiwan region	26.0386N	118.1100E	186	From 2012-09-28
Bannalp	BNALP	Switzerland	46.8705N	8.4250E	1540	From 1998-09-30
Bannockburn	BANM	Victoria,Australia	38.0515S	144.2498E	200	
Banos Encina	EBAN	Spain	38.1643N	3.7857W	460	From 1986-11-01
Banyo, CM25	ACM25	Cameroon	6.7600N	11.8110E	983	
Banyuglugur	BLJI	Jawa,Indonesia	7.7450S	113.5950E	0	From 2007-12-01
Banyuwangi	BYJI	Jawa,Indonesia	8.2140S	114.3557E	0	From 2007-12-01
Baotou	PAO	Nei Monggol Zizhiqu,China	40.6056N	110.0208E	1114	
Baotou	BTO2	Nei Monggol Zizhiqu,China	40.7437N	109.8780E	1330	From 2008-01-01
Baotou	BTO	Nei Monggol Zizhiqu,China	40.6056N	110.0208E	1114	
Baptist College of Charleston	BCS	South Carolina,U.S.A.	32.9797N	80.0653W	9	From 1976-03-31
BAR1	CBAR1	Costa Rica	9.2320N	83.3070W	530	
Barahona	LOBA1	Dominican Republic	18.1000N	71.0800W	35	From 2014-06-19 to 2018-08-08
Barahona	BRH1	Dominican Republic	18.2082N	71.0931W	30	From 2011-06-14
Baraj Valea Uzului	ONER	Romania	46.3349N	26.3940E	456	From 2017-09-13
Baranello	BRLL	Italy	41.3132N	14.3504E	695	From 2019-09-23
Baranello	BAI2	Italy	41.5092N	14.5531E	745	
Barangay Tapao	SIPH	Philippines	17.8917N	120.4580E	33	From 2005-10-19
Barano	IBCM	Italy	40.7109N	13.9161E	314	From 2020-06-05
Barantu	BARE	Ethiopia	12.6443N	40.3556E	340	
Baratang	BTNG	Andaman Islands,India	12.1096N	92.4736E	28	From 2012-01-01
Barbacena	BARB	Minas Gerais,Brazil	21.2210S	43.8005W	1030	
Barbados	BDS	Barbados	13.1460N	59.6260W	110	From 1969-07-30
Barbados	BRB	Barbados	13.1220N	59.6060W	55	From 1955-06-30 to 1969-07-25
Barbados, Cave Hill Campus	BCHC	St Lucia	13.1339N	59.6305W	11	From 2013-05-01
Barbar	BRBR	Syria	33.4113N	35.9508E	1834	From 1994-12-01
Barbarano Romano	BARO	Italia	42.2480N	12.0512E	350	From 2019-03-20
Barbarano Romano - VT	TO08	Italy	42.2244N	12.0526E	463	From 2008-05-29 to 2009-04-02
Barbate	EXBAR	Gulf of Cadiz	36.1928N	5.9167W	8	
Barber's Block	BBL	Dominica	15.5262N	61.4700W	365	From 1978-11-21
Barbuda	BWI	Barbuda,Antigua and Barbuda	17.6650N	61.7900W	30	From 1977-01-01
Barcellona Pozzo di Gotto	SBPG	Italy	38.1422N	15.2048E	59	From 2012-07-01
Barcelona	BARV	Venezuela	9.9839N	70.7456W	615	
Barcelona - Ciutat Vella	BAJU	Spain	41.3853N	2.1741E	25	From 2009-04-01
Barcelona - Plaa de Tetuan	BAIN	Spain	41.3960N	2.1730E	22	From 2010-04-23
Barchidev	SAREZ	Tajikistan	38.3137N	72.4872E	2664	From 2022-09-01
Brd	BRDA	Azerbaijan	40.2630N	47.1790E	103	From 2003-08-01
Bardarbunga	BARD	Iceland	64.6402N	17.4463W	1890	From 2014-11-11 to 2015-03-15
Bardolino, Italy	PDN1	Italy	45.5145N	10.7527E	163	From 2021-07-08
Bardonecchia	BNI	Italy	45.0522N	6.6786E	1410	
Bardufoss	I37H0	Norway	69.0741N	18.6077E	77	From 2015-07-15
Bare, CM15	ACM15	Cameroon	5.0340N	9.9330E	976	
Bare Mountain	BRO	Nevada,U.S.A.	36.7628N	116.6250W	920	From 1978-11-28
Barentsburg A	BRBA	Svalbard,Norway	78.0591N	14.2170E	6	From 2000-11-16
Barentsburg B	BRBB	Svalbard,Norway	78.0935N	14.2080E	38	From 2001-08-12
Bare Point	BPCB	British Columbia,Canada	48.9236N	123.7045W	31	From 2008-03-19
Bar Giyyora	BGIO	Israel	31.7221N	35.0878E	760	From 1986-08-11
Barguzin	BGZ	Buryatiya,Russia	53.6167N	109.6167E		
Barham	BHM	England,United Kingdom	51.2128N	1.1742E	100	
Bari	BAI	Italy	41.1070N	16.8790E	15	
Bari	BAI*	Italy	41.1200N	16.8667E	0	
Bariadhala	BRDH	Bangladesh	22.6770N	91.6425E	44	
Bari-Castellana	BRT	Italy	40.8778N	17.2036E	333	From 1978-01-01
Barichara	BARC	Colombia	6.5923N	73.1823W	1877	
Bari, Italy	OT15	Italy	41.1090N	16.8797E	64	From 2018-03-12
Barinas	BRIV	Venezuela	8.6170N	70.4510W	0	
Baring Head	BHW	North Island,New Zealand	41.4082S	174.8712E	101	From 1975-11-27
Barisakho	BROG	Georgia,Georgia	42.4500N	44.9300E	1250	
Barisano	BRSN	Italy	44.2841N	12.0769E	20	
Barisciano	RM14	Italy	42.3454N	13.5722E	1105	From 2009-04-07 to 2009-08-31
Barisis-aux-bois	BARI	France,France	49.5667N	3.3124E	146	From 2018-11-01
Barje	BARS	Serbia	42.8165N	21.8153E	392	From 1996-03-07
Barkcamp State Park Ohio	BSPO	Ohio	40.0430N	81.0090W	345	From 2018-05-01 to 2500-06-01
Barkley Canyon	NCBC	British Columbia,Canada	48.4275N	126.1752W	-398	From 2009-09-01
Barkley East,Eastern Cape	BEAST	South Africa	30.9400S	27.6744E	2071	From 2021-09-12
Barkley Ridge	BARK	Alaska,U.S.A.	60.4035N	142.4911W	1141	
Barley Canyon	BRC	New Mexico,U.S.A.	35.8903N	106.7110W	2261	From 1976-06-01 to 1999-08-25
BARLOMIN CHICO	BARL	Ecuador	0.4526S	80.3114W	271	From 2016-05-14
Barlow Dome	K29M	Yukon Territory,Canada	63.8433N	137.5201W	1367	From 2016-08-21
Barnard Glacier	BARN	Alaska,U.S.A.	61.0599N	141.6601W	1915	
Barnard House	BHS	St Vincent,Saint Vincent and the Grenadines	13.2963N	61.1272W	90	
Barnechea	BACH	Santiago,Chile	33.3528S	70.4917W	820	
Barney Top	BTU	Utah,U.S.A.	37.7557N	111.8743W	3235	
Baronissi	BSS	Italy	40.7906N	14.8061E	205	
Barra de Sao Francisco	BSFB	Espirito Santo,Brazil	18.8313S	40.8465W	185	
Barra do Corda	NBBC	Maranhao	5.5221S	45.2843W	100	From 2016-12-12
Barrage Abdel Moumen	BAM	Morocco	30.6661N	9.1661W		
Barrage El Makhazine	BMK	Morocco	34.9410N	5.8430W	166	From 1979-06-01 to 2001-10-26
Barrage Ibn Batouta	BBT	Morocco	35.6480N	5.7290W	60	From 1981-01-01
Barrage Mansour Eddahbi	BME	Morocco	30.9156N	6.7603W	1078	From 1975-03-01
Barrage Mohamed Ben Abdellah	BMB	Morocco	33.9422N	6.7511W	40	From 1978-01-01
Barrage Mohammed V	BMKM	Morocco	34.6590N	2.9340W	274	
Barra Mansa	BMA	Rio de Janeiro,Brazil	22.6950S	44.1536W	595	
Barrancabermeja, Santander	BRJC	Colombia	6.9732N	73.7442W	108	From 2018-08-03
Barrancas	G06S	Maule	34.4917S	71.9788W	61	
Barranca, Santander	BRRC	Colombia	7.1072N	73.7120W	137	From 2009-01-01
Barrancas-Volcn Cotopaxi	BRRN	Ecuador	0.7832S	78.4754W	3650	From 2015-07-17
Barranco	PFBV	Portugal	37.2715N	7.9808W	573	From 1996-01-01 to 2009-05-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Barranco-do-Velho	PBDV	Portugal	37.2430N	7.9312W	468	From 2007-01-08
Barrancos	PBAR	Portugal	38.1750N	7.0390W	205	From 2007-01-01
Barreal	RTBS	San Juan,Argentina	31.6614S	69.4531W		
Barre de l'ile, St louis, Marie Galante	MAGL	Guadeloupe,France	15.9494N	61.2822W	157	From 2012-09-14
Barren Site	BNM	New Mexico,U.S.A.	34.1502N	106.6280W	2121	
Barre Substation	BREC	California,U.S.A.	33.8077N	117.9812W	24	
Barrett	BAR	California,U.S.A.	32.6801N	116.6721W	496	From 1952-01-17
Barrette	BAH	Hawaii,U.S.A.	21.3397N	158.0770W		From 1970-01-01 to 1999-08-25
Barrientos, Norte de Santander	CBRI	Colombia	7.7165N	72.7968W	1427	From 2009-09-01 to 2011-11-30
Barrier Glacier	BGL	Alaska,U.S.A.	61.2635N	152.3910W	1173	From 1989-01-01
Barrier Glacier Two	BGRM	Alaska,U.S.A.	60.7575N	152.4180W	985	From 1991-07-01
Barrier River	F30M	Yukon Territories,Canada	67.6106N	135.7863W	414	From 2017-08-22
Barrio Florida	PWP	Puerto Rico	18.1350N	65.4450W	10	From 1975-03-01 to 1978-03-13
Barrio Mexico	MEXI	Costa Rica,Costa Rica	9.9410N	84.0860W	1158	
Barrio San Luis	R4DEC	Managua,Nicaragua	12.1489N	86.2483W	70	From 2017-11-27 to 2019-02-28
Barrow	BRW	Alaska,U.S.A.	71.3033N	156.7480W		From 1965-01-01
Barrow	BRV	Alaska,U.S.A.	71.2742N	156.7850W	15	
Barrow	A21K	Alaska,U.S.A.	71.3221N	156.6175W	0	From 2014-05-28
Barry, Barry	P41A	Illinois,U.S.A.	39.6750N	91.0619W	215	From 2011-06-09 to 2013-04-13
Barry Inlet	BAIB	British Columbia,Canada	52.5757N	131.7534W	804	From 2017-08-10
Barry Inlet	BNB	British Columbia,Canada	52.5758N	131.7520W	765	From 1985-09-01
Barry Ridge	KBRM	California,U.S.A.	40.7298N	123.9560W	853	
Barter Island	BI1	Alaska,U.S.A.	70.1318N	143.6420W	10	From 1975-09-01 to 1999-08-25
Barter Island	BI2	Alaska,U.S.A.	69.6233N	145.8950W	1100	From 1975-09-01 to 1999-08-25
Barter Island	BI4	Alaska,U.S.A.	69.5202N	142.9800W	745	From 1975-09-01 to 1999-08-25
Barter Island	BI3	Alaska,U.S.A.	69.5967N	144.3710W	690	From 1975-09-01 to 1978-08-14
Bartın	BTIN	Turkey	41.6362N	32.2504E	233	From 2011-02-02
Barton Gulch	BGMT	Montana,U.S.A.	45.2333N	112.0400W	2172	
Bartosovice	PIVO	Czech Republic	50.1864N	16.5470E	664	From 2018-10-18
Baru	BRU	Panama	8.8068N	82.5608W	3425	
Bar X Bar Ranch, Keystone	M28A	Nebraska,U.S.A.	41.3956N	101.3715W	1071	From 2009-05-14 to 2011-04-11
BAS01	BAS01	Norway	60.6515N	4.7970E	8	
BAS02	BAS02	Norway	60.6058N	4.9533E	16	
BAS03	BAS03	Norway	60.5405N	5.0862E	5	
BAS04	BAS0D	Norway	60.5020N	5.3042E	225	
BAS05	BAS05	Norway	60.4500N	5.4702E	7	
BAS06	BAS06	Norway	60.3635N	5.6760E	39	
BAS08	BAS08	Norway	60.2638N	5.8395E	52	
BAS09	BAS09	Norway	60.2220N	5.9752E	70	
BAS10	BAS10	Norway	60.1400N	6.2438E	245	
BAS11	BAS11	Norway	60.0443N	6.4728E	319	
BAS12	BAS12	Norway	59.9715N	6.7245E	685	
BAS14	BAS14	Norway	59.8360N	6.8145E	490	
BAS15	BAS15	Norway	60.2543N	4.9893E	35	
BAS16	BAS16	Norway	60.2332N	5.1777E	39	
BAS17	BAS17	Norway	60.1840N	5.3675E	105	
BAS18	BAS18	Norway	60.0722N	5.5845E	7	
BAS19	BAS19	Norway	59.9937N	5.7802E	37	
BAS20	BAS20	Norway	59.9665N	5.9042E	18	
BAS21	BAS21	Norway	59.8693N	6.0442E	382	
BAS22	BAS22	Norway	59.8262N	6.2115E	62	
BAS23	BAS23	Norway	59.9308N	6.2118E	875	
BAS24	BAS24	Norway	59.6853N	6.5202E	257	
Basata	HBST	Egypt	29.2166N	34.7327E	240	
Baschi	MNBS	Kazakhstan	44.0790N	78.4010E	1290	From 2000-08-12
Basco	BAP*	Batan Islands,Philippines	20.4622N	121.9695E	10	
Basco	BBP	Batan Islands,Philippines	20.4411N	121.9640E	40	
Basco Batanes	BBPB	Batan Islands	20.4379N	121.9670E	63	
Base Areonavale d'Aspretto	AJAC	Corse,France	41.9280N	8.7630E	27	From 2011-06-30
Basecamp	BASC	Jammu and Kashmir,India	34.9200N	77.2100E	3455	From 2012-01-01
Base Cientifica Antartica Artigas	BCAA	South Shetland Islands	62.1802S	58.8858W	3	From 2020-01-20
Base Esperanza	ESPZ	Antarctic Peninsula	63.3981S	56.9964W	31	
Basel-Blauen	BBS	Switzerland	47.4644N	7.5092E	700	From 1974-06-01
Basel-Friedhofgasse	SBAF	Switzerland	47.5838N	7.5920E	248	From 1998-02-13
BASELICE	BAS04	Italy	41.4074N	14.9786E	620	From 2014-05-05
Basel, Klybeck	SBAK	Switzerland	47.5718N	7.5928E	252	From 2014-08-15
Basel, Mnster, BS	SBAM2	Switzerland	47.5556N	7.5922E	278	From 2013-11-01
Basel-PUK	SBAP	Switzerland	47.5724N	7.5644E	263	From 1998-05-11
Basel, St Johann, BS	SBAJ2	Switzerland	47.5670N	7.5823E	259	From 2013-11-01
Basel-Tropenhaus	SBAT	Switzerland	47.5586N	7.5817E	260	From 1992-05-05
Basel, Vogelsang, BS	SBAV	Switzerland	47.5633N	7.6080E	269	From 2013-11-01
Basel, Wirtschaftsgymnasium, BS	SBAW	Switzerland	47.5476N	7.6038E	271	From 2013-11-01
BASE NAVAL BIMJAR	BIMJ	Ecuador	0.9370S	80.5764W	46	From 2016-05-15
Base Naval La Union	LUNI	El Salvador	13.3353N	87.8344W	8	
Basha	BASHA	Pakistan	35.4800N	73.6930E	1994	From 2007-09-01
Bashay	BASH	Tanzania,United Republic of Tanzania	4.0037S	35.3512E	1929	
BASICO'	BASIC	Italy	38.0670N	15.0687E	476	From 2022-02-01 to 2022-02-01
Basiliko Farm, Boston	K54A	New York,U.S.A.	42.6097N	78.6908W	465	From 2013-05-15
Basin Creek	BCM	Montana,U.S.A.	45.8355N	112.5150W	1975	From 1980-11-12 to 1981-10-10
Basin Creek Farm, Marlvern	X40A	Arkansas,U.S.A.	34.4873N	92.8342W	158	From 2011-01-26
Basiran	BSRN	Iran	31.9651N	59.1259E	1416	
Baskale_VAN	BASK	Turkey	38.0523N	44.0040E	1931	From 2011-06-27
Basking Ridge	BRNJ	New Jersey,U.S.A.	40.6828N	74.5660W	50	
Basle	BAS	Switzerland	47.5400N	7.5817E	309	From 1934-01-01 to 1978-12-31
Basmaki-Afyon	BASM	Turkey	37.9193N	30.0498E	897	From 2013-11-19
Basra	BSR	Iraq	30.6000N	47.8000E		
Basrah	BSR2	Iraq	30.2927N	47.6191E	16	From 2015-09-05
BASSANO DEL GRAPPA	BSG	Italy	45.7496N	11.7408E	0	From 2012-08-28
Basset	K30B	Nebraska,U.S.A.	42.6742N	99.6131W	712	From 2017-10-05
Basset	K30A	Nebraska,U.S.A.	42.6742N	99.6131W	712	From 2009-09-19 to 2011-07-29
Basse Terre	BTG	Guadeloupe,France	15.9902N	61.7192W	42	From 1976-01-01
Bassetti Ranch	PBRM	California,U.S.A.	35.5485N	121.0090W	85	
Bass Mountain	LBMM	California,U.S.A.	40.7328N	122.3658W	841	
Bassoo Peak	BSMT	Montana,U.S.A.	47.8513N	114.7870W	1950	
Bastimentos Island	ISBTO	Panama	9.3450N	82.2060W	36	
Bastrop	536A	Texas,U.S.A.	30.0756N	97.0652W	115	From 2010-01-14 to 2011-11-08
Bat	BTIE	Ethiopia	11.1949N	40.0218E	1659	
Bata	RHK2	Hungary	46.1270N	18.7799E	147	
Batagay	BTGS	Sakha,Russia	67.6510N	134.6400E	110	
Batakoyurt	BTKR	Severo-Osetinskaya,Russia	43.3722N	44.5422E	597	From 2005-12-01
Batan	BATAN	Costa Rica	10.0978N	83.3761W	54	From 2007-12-01
Batan	TAAN	Costa Rica,Costa Rica	10.0850N	83.3470W	23	
Bataquez, COM	COMMX	Baja California	32.5700N	115.0800W	18	
Bataraza	BATP	Palawan,Philippines	8.7970N	117.8010E	54	
Bat Cave Butte	BATC	California,U.S.A.	33.4590N	115.8410W	-18	
Batelco	BTP	Luzon,Philippines	14.6909N	120.5150E	32	
Bates	BT-OR	Oregon,U.S.A.	44.6244N	118.7711W	1372	
Bates	BT-	Oregon,U.S.A.	44.6244N	118.7711W	1372	
Bates Ranch, Gandy	P13A	Utah,U.S.A.	39.4550N	114.0156W	1555	From 2007-03-01 to 2008-09-05
Batey Laura esc	LADR	Campeche	18.4145N	89.3356W	58	From 2017-12-28
Bath	O42A	Illinois,U.S.A.	40.1956N	90.0812W	155	From 2011-06-12 to 2013-05-02
Bath	BATH	England,United Kingdom	51.4430N	2.3290W	127	From 2009-07-14
Bath County 1	BV1	Virginia,U.S.A.	38.1781N	79.6611W	768	From 1978-08-01
Bath County 2	BV2	Virginia,U.S.A.	38.1367N	79.9194W	610	From 1978-08-01
Bath County 3	BV3	Virginia,U.S.A.	38.2383N	79.7667W	750	From 1978-08-01
Bath County 4	BV4	Virginia,U.S.A.	38.3572N	79.8278W	814	From 1978-08-01
Bath Hotel, Nevis	NVBH	Nevis,Saint Kitts and Nevis	17.1169N	62.6168W	15	From 2002-05-02
Bathurst New Brunswick	BATG	New Brunswick,Canada	47.2767N	66.0599W	336	From 2005-10-22
Batina	BATN	Croatia	45.8840N	18.8470E	205	From 2023-05-10
Batken	BTK	Kyrgyzstan	40.0580N	70.8180E	1020	
Batman	BTMN	Turkey	37.8911N	41.2701E	959	From 2003-10-02
Batman	BTMT	Turkey	38.1923N	41.4888E	854	
Batoke	BTE	Cameroon	4.0481N	9.0869E	90	From 1985-03-01
Batouri, CM14	ACM14	Cameroon	4.4220N	14.3580E	585	
Batrach	BTCH	Syria	36.0375N	36.4592E	803	From 1995-04-01
Bat Shelomo	BTI	Israel	32.6140N	35.0160E	300	
Battalgazi, Malatya Turkey	MKAM	Turkey	38.3226N	38.6819E	1365	From 2021-12-29
Battle Mountain	BMN	Nevada,U.S.A.	40.4315N	117.2218W	1594	From 1969-09-02
Battle Ridge Rd, NW of Cushing	OK052	Oklahoma,U.S.A.	35.9936N	96.8028W	259	From 2016-11-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Batukuning Lakitan Ulu, Sumatera Selatan	BLSM	Indonesia	3.1402S	102.8072E	67	From 2019-01-01
Batumarmar	BPMJM	Indonesia	6.9505S	113.4922E	260	From 2020-12-31
Batumi	BATM	Georgia,Georgia	41.6040N	41.6936E	298	From 2010-10-11
Baubata	PGBAU	New Britain,Papua New Guinea	5.3674S	151.0334E	251	
Bau Bau	BBSI	Buton,Indonesia	5.4875S	122.5704E	104	From 2005-01-01
Bau Bau, Buton	BSSI	Buton,Indonesia	6.1428S	120.4904E	114	From 2008-12-01
Baucca	IZTMP	Italy	43.4545N	12.3063E	348	
Baumata	BATI	Indonesia	10.2065S	123.6633E	356	
Baumata	BWTI	Timor,Indonesia	10.2000S	123.7000E		
Baumgartsaur, Oberoesterreich	A023A	Austria	48.4608N	14.0707E	587	From 2015-09-07
Bautismo	BAUT	Venezuela	10.5065N	66.4820W	1976	From 1984-01-01 to 1999-08-25
Ba Vi	BVV	Vietnam	21.1022N	105.3687E	182	
Bavra	BVRS	Armenia	41.1250N	43.8067E	2160	
Bavra	BAW	Armenia	41.1200N	43.8000E	2160	From 1977-01-01
Bavtugai	BVTR	Russia	43.1734N	46.8334E	107	From 2022-12-01
Bawean	BWJI	Bawean,Indonesia	5.8511S	112.6578E	58	From 2005-01-01
Baw Faw Mountain	BFW	Washington,U.S.A.	46.4867N	123.2150W	902	From 1972-10-25
Baxmal	BKHM	Uzbekistan	39.7268N	67.7585E	1302	
Bayana	BAYN	Nepal	29.4700N	81.2000E	3050	From 1995-01-01
Bayan-Aul	BAYK	Kazakhstan	50.8200N	75.5500E	0	
Bayanday	BAY	Irkutskaya Oblast',Russia	53.0667N	105.5170E		
Bayang, Sumatera Barat	BPSM	Indonesia	1.1924S	100.5900E	110	From 2019-01-01
Bayan, Nusa Tenggara Barat	BYLI	Indonesia	8.2273S	116.4201E	25	From 2019-01-01
Bayano	BYN	Panama	9.1910N	78.8750W	120	
Bayan-Olgiy	BYO	Mongolia	48.9600N	89.9600E	2075	
Bay Bridge East	BBEB	California,U.S.A.	37.8216N	122.3298W	-30	
Bay Bridge East Pier 17	E17B	California,U.S.A.	37.8209N	122.3353W	-164	
Bay Bridge East Pier 7	E07B	California,U.S.A.	37.8185N	122.3469W	-142	
Bay Bridge West Pier 2	W02B	California,U.S.A.	37.7911N	122.3863W	-45	
Bay Bridge West Pier 5	W05B	California,U.S.A.	37.8011N	122.3758W	0	
BAYBURT	BAYB	Turkey	40.2586N	40.2576E	2015	From 2012-01-27
Bayer	BYRJ	Jordan	30.6400N	36.5000E	1030	
Bayfield, S22	SCR22	Colorado	37.2745N	107.5221W	2213	
Bayliss	BAYL	California	39.6052N	122.0575W	37	
Baylor University	BUTX	Texas,U.S.A.	31.6917N	97.3483W	183	From 1992-11-01
Bay Minette	448A	Alabama,U.S.A.	30.9309N	87.8608W	25	From 2011-04-07
Bayram-Ali	BAT	Turkmenistan	37.6000N	62.1167E		
Bayramic-Canakkale	BMYO	Turkey	39.8099N	26.6010E	109	From 2021-02-01
Baysun	BAYS	Uzbekistan	38.2095N	67.2053E	1259	
Baytree	DCA2	Alberta,Canada	55.7916N	119.8877W	819	
Baytugan-1	BT1	Samarskaya Oblast'	54.1183N	52.3483E	144	From 2015-07-22
Baytugan-2	BT2	Orenburgskaya Oblast'	54.2416N	52.3722E	325	From 2016-07-18
Baza	EXBZ	Spain	37.4900N	2.7750W	881	
Bazman	BAZ1	Iran	27.8484N	60.1869E	900	From 2021-01-01
Bazzano	MI07	Italia	42.3362N	13.4459E	662	From 2009-04-27 to 2009-06-09
BB Station	BBSR	Bermuda	32.3712N	64.6962W	-25	
BB Volcan Apoyeque	APQN	Nicaragua	12.2217N	86.2992W	76	From 2014-05-03
Beach Ranch, Enterprise	F10A	Oregon,U.S.A.	45.9734N	117.2277W	1136	From 2006-08-23 to 2009-01-08
Beacon	BEAC	Western Australia,Australia	30.4511S	117.8687E	300	From 2009-03-19
Beacon, Western Australia	BCON	Western Australia	30.3359S	117.7649E	585	From 2020-05-28
Beaesweiler	BA12	Nordrhein-Westfalen,Germany	50.9091N	6.1863E	116	From 2006-10-01
Bean Ranch, Sierra Blanca	325A	Texas,U.S.A.	31.3711N	104.9712W	1666	From 2008-02-25 to 2010-01-16
Bear Butte	KBBM	California,U.S.A.	40.1970N	123.8500W	576	
Bear Canyon	BCYI	Idaho,U.S.A.	44.3108N	113.4050W	2194	From 1992-01-01
Bear Canyon	BCU	Utah,U.S.A.	39.5983N	110.3710W	2438	From 1962-01-01 to 1977-03-31
Bear Creek Country Club, Murrieta	BCCC	California,U.S.A.	33.5751N	117.2612W	391	From 2000-07-11 to 2005-08-08
Bear Creek Road	JBCM	California,U.S.A.	37.1603N	122.0260W	660	From 1969-05-21
Bear Creek Road	LT15	California,U.S.A.	37.1603N	122.0260W	660	From 1969-05-21
Beardsley Farm, Havre	B18A	Montana,U.S.A.	48.3943N	109.7775W	950	From 2007-11-14 to 2009-09-04
Bear Gulch	JBGM	California,U.S.A.	37.3420N	122.3390W	158	From 1971-11-02
Bear Gulch	BGH	California,U.S.A.	37.3420N	122.3390W	158	From 1971-11-02
Bear I., Norway, Bear Island Array Beam Ref. Pt.	BEAR	Norway	74.4965N	19.0108E	25	From 2019-08-07
Bear Island, Norway, Site 1 of Bear Island Array	BEA1	Norway	74.4994N	19.0014E	18	From 2019-08-06
Bear Island, Norway, Site 2 of Bear Island Array	BEA2	Norway	74.4988N	19.0101E	25	From 2019-08-06
Bear Island, Norway, Site 3 of Bear Island Array	BEA3	Norway	74.4978N	19.0084E	26	From 2019-08-07
Bear Island, Norway, Site 4 of Bear Island Array	BEA4	Norway	74.4965N	19.0108E	25	From 2019-08-07
Bear Island, Norway, Site 5 of Bear Island Array	BEA5	Norway	74.4958N	19.0056E	22	From 2019-08-07
Bear Island, Norway, Site 6 of Bear Island Array	BEA6	Norway	74.4960N	19.0014E	22	From 2019-08-07
Bearman Lake	G25K	Alaska,U.S.A.	66.7653N	146.1013W	146	From 2016-07-18
Bear Mountain	BMTC	California,U.S.A.	35.1358N	118.5970W	1237	From 1976-08-01 to 2008-02-22
Bear Mountains	BMNM	New Mexico,U.S.A.	34.2750N	107.2600W	1972	
Bear Paw Mtn.	BPAW	Alaska,U.S.A.	64.0997N	150.9873W	619	From 2004-05-13
Bear River Range	BEI	Idaho,U.S.A.	42.1167N	111.7820W	1859	From 1974-10-01
Bear Valley	BVL	California,U.S.A.	36.5749N	121.1901W	479	From 1970-09-03
Bear Valley	BVLM	California,U.S.A.	36.5749N	121.1901W	479	From 1970-09-03
Bear Valley Observatory	BVC	California,U.S.A.	38.0397N	122.7930W	30	
Bear Valley Ranch, Parkfield	PKD	California,U.S.A.	35.9452N	120.5416W	583	From 1996-09-06
Beas, Huelva	E009	Spain	37.4192N	6.7651W	148	From 2007-09-26 to 2009-06-23
Beatrice	BENE	Nebraska,U.S.A.	40.2167N	96.6025W	396	
Beatrice	O34A	Nebraska,U.S.A.	40.1831N	96.6936W	409	From 2010-06-11 to 2012-04-18
Beatty	BEA	Nevada,U.S.A.	36.8833N	116.7670W		From 1972-01-01 to 1973-04-30
Beatty	BTY	Nevada,U.S.A.	36.8833N	116.7670W	1183	From 1971-01-01 to 1973-04-30
Beattyville	S51A	Kentucky,U.S.A.	37.6392N	83.5935W	286	From 2012-05-17
Beaufort	BEAU	Western Australia	33.6009S	117.0041E	282	
Beaufort West	BEW	Cape Province,South Africa	32.3565S	22.5730E	870	From 1993-04-01 to 2001-03-03
Beaumont Base	BBSC	California,U.S.A.	33.9214N	116.9806W	785	
Beaver	BVR	Pennsylvania,U.S.A.	40.7000N	80.3333W		
Beaver	BHUT	Utah,U.S.A.	38.2768N	112.6404W	1799	From 2008-06-09
Beaver Butte	VBEM	Oregon,U.S.A.	45.0603N	121.5870W	1544	
Beaver Cove	BCOV	British Columbia,Canada	50.5442N	126.8427W	33	From 2020-03-31
Beaver Creek	BVCY	Yukon Territory,Canada	62.4141N	140.8606W	708	From 2010-08-14
Beaver Creek Array Beam Reference Point	BCAR	Alaska,U.S.A.	63.0656N	141.7851W	846	
Beaver Creek Array Site 1	BC01	Alaska,U.S.A.	63.0619N	141.8279W	746	
Beaver Creek Array Site 2	BC02	Alaska,U.S.A.	63.0440N	141.8021W	563	
Beaver Creek Array Site 3	BCA3	Alaska,U.S.A.	63.0656N	141.7851W	846	From 1993-07-01
Beaver Creek Array Site 4	BC04	Alaska,U.S.A.	63.0809N	141.7684W	790	
Beaver Creek Array Site 5	BC05	Alaska,U.S.A.	63.0610N	141.7534W	908	
Beaver Creek, Northway Junction	L27K	Alaska,U.S.A.	63.0618N	141.8275W	755	From 2014-07-25
Beaver Dam Saddle, Pierce	E12A	Idaho,U.S.A.	46.4151N	115.5705W	1555	From 2007-08-23 to 2009-07-23
Beaver Lake	BVK	Utah,U.S.A.	38.5464N	113.1050W	1707	
Beaver Lake Mountains	BKU	Utah,U.S.A.	38.5352N	113.1270W	1859	From 1980-12-01 to 1988-09-29
Beaver Mountain	BEAW	Wyoming,U.S.A.	43.2509N	110.6130W	2960	From 1990-09-01
Bebedouro	BEB22	Sao Paulo,Brazil	21.0540S	48.5040W	537	
Bebedouro	BB19B	Sao Paulo,Brazil	21.0659S	48.5276W	574	
Bebedouro	BB19	Sao Paulo,Brazil	21.0663S	48.5277W	566	
Bebedouro	BB16B	Sao Paulo,Brazil	21.0333S	48.5855W	527	From 2009-01-01
Bebedouro13	BE13	Sao Paulo,Brazil	21.0486S	48.5645W	532	
Bebedouro 22, SP (Brazil)	BB22B	Sao Paulo	21.0541S	48.5045W	571	From 2012-09-04 to 2013-01-11
Becancour	BECQ	Quebec,Canada	46.3449N	72.4829W	24	From 2012-03-07
Becerrea'	EXBE	Spain	42.8530N	7.1590W	675	
Bech	LILIE	Luxembourg	49.7542N	6.3952E	308	From 2009-12-01
Bechler	YPBE	Wyoming,U.S.A.	44.1495N	111.0390W	1966	
Becho	BCHG	Georgia,Georgia	43.0332N	42.5784E	1345	From 1983-01-01
Beckley	BL-	West Virginia,U.S.A.	37.7989N	81.3100W	610	From 1961-12-13 to 1965-07-23
Beckley	BL-WV	West Virginia,U.S.A.	37.7989N	81.3100W	610	From 1961-12-13 to 1965-07-23
Beckworth	BEKR	California,U.S.A.	39.8666N	120.3596W	1743	From 1996-10-02
Beclabito	T19A	New Mexico,U.S.A.	36.8299N	109.0249W	1736	From 2007-06-22 to 2009-03-03
Becsehely	BEHE	Hungary	46.4702N	16.7755E	298	From 2005-03-26
Bedfield, Suffolk	BEDF	England	52.2505N	1.2591E	56	From 2022-06-22
Bedford	BD-	Pennsylvania,U.S.A.	40.1333N	78.5078W	366	From 1962-12-22 to 1963-03-21
Bedford	BD-PA	Pennsylvania,U.S.A.	40.1333N	78.5078W	366	From 1962-12-22 to 1963-03-21
Bedland, Calhan	Q25A	Colorado,U.S.A.	38.9145N	104.2472W	2001	From 2008-06-08 to 2010-05-04
Bedonia Gallareto	BDGO	Italy	44.5067N	9.6229E	537	
Bedord North Lawrence Stars, Bedford	Q47A	Indiana,U.S.A.	38.9362N	86.4261W	230	From 2011-11-07
Bedrichov	BEDC	Czech Republic	50.7893N	15.1698E	524	From 2020-02-11
Beebe Ranch	NBRM	California,U.S.A.	38.2610N	122.5510W	106	From 1970-08-14 to 2011-11-26
Beebe Ranch	BBR	California,U.S.A.	38.2610N	122.5510W	106	From 1970-08-14 to 2011-11-26
Beebe Ranch Broadband	NBRB	California,U.S.A.	38.2602N	122.5518W	94	
Beecher Island, Eckley	O27A	Colorado,U.S.A.	40.1900N	102.4794W	1206	From 2008-12-07 to 2010-10-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Beegum Peak	LBPM	California,U.S.A.	40.3183N	122.8810W	1051	
Beenleigh	BEEN	Queensland,Australia	27.7276S	153.1980E	130	
Be'er Ora	NITZ	Israel	29.6800N	34.9640E	100	From 1987-12-01 to 1988-03-31
Beer Ora	BEOR	Israel	29.7110N	34.9861E	121	From 2018-08-13
Beer Sheva	BSHV	Israel	31.2633N	34.8038E	350	From 2018-12-17
Beerwah State High School	AUBSH	Queensland,Australia	26.8600S	152.9500E	26	From 2013-08-11
Beeville	835A	Texas,U.S.A.	28.2870N	97.8297W	57	From 2009-12-21 to 2011-11-13
Beganne - 56011 - Morbihan - Bretagne - France	BEGF	Bretagne	47.6144N	2.2619W	6	From 2019-03-29
Bega, NSW	BEGA	Australia	36.7297S	149.8498E	210	From 2022-11-19
Behbahan	ABEH	Iran	30.6000N	50.2531E	346	
Behrang	BHSMM	Peninsular Malaysia	3.7659N	101.5141E	69	
Beibei	PEH	Sichuan,China	29.8367N	106.4180E	213	
Beigang Elementary School	WCS	Taiwan region	24.0571N	120.9116E	102	From 2015-02-06
Beijing	BJI2	Beijing,China	40.0188N	116.1702E	209	From 1957-01-01
Beijing	BJI	Beijing,China	40.0403N	116.1750E	43	
Beijing	PEK	Beijing,China	40.0403N	116.1750E	43	
Beinan	TWGBT	Taiwan region	22.8176N	121.0799E	195	From 1996-03-08
Beino	BEIL	Lebanon	34.5417N	36.1847E	572	From 2017-01-15
Beirut	BEYL	Lebanon	33.8717N	35.4932E	49	From 2006-07-01
Beit Ha Arava	ARVA	Israel	31.8080N	35.5080E	-330	From 1986-08-07 to 1988-04-10
Beit Nir	BTNR	Israel	31.6491N	34.8719E	269	From 2018-12-17
Beit Shean	BTSH	Israel	32.4978N	35.4980E	-92	From 2017-11-08
Beja	PBEJ	Portugal	38.0264N	7.8664W	270	From 1995-06-01
Bekalta	BKLT	Tunisia	35.6186N	10.9965E	25	
Bekescsaba	BKE	Hungary	46.6125N	17.8930E	95	From 1987-01-01 to 1984-12-31
Bekoji	BEKO	Ethiopia	7.5250N	39.2647E	2895	
Belacker	BAF	Alsace,France	47.8347N	6.9953E	1000	From 1974-10-01
Belaya Gora	YBGR	Sakha,Russia	68.5317N	146.1927E	36	From 2011-08-12
Belbasi	BBTK	Turkey	39.8422N	32.7603E	1200	From 1986-01-01
Belbasi Array Beam Reference Point	BRAR	Turkey	39.8535N	32.7608E	1243	
Belbasi Array Site 1	BR01	Turkey	39.8417N	32.7601E	1286	
Belbasi Array Site 2	BR02	Turkey	39.8488N	32.7654E	1270	
Belbasi Array Site 3	BR03	Turkey	39.8334N	32.7656E	1259	
Belbasi Array Site 31	BR31	Turkey	39.8535N	32.7608E	1243	
Belbasi Array Site 4	BR04	Turkey	39.8409N	32.7413E	1265	
Belbasi Array Site 5	BR05	Turkey	39.8481N	32.7469E	1265	
Belbasi Array Site 6	BR06	Turkey	39.8533N	32.7483E	1210	
Belbasi Site	BR00	Turkey	39.8535N	32.7608E	1243	
Belchertown	QUA2	Massachusetts,U.S.A.	42.2789N	72.3525W	168	
Beldiu	RO01A	Romania	46.2350N	23.7148E	248	From 2022-09-12
Beleg	BELGA	Hungary	46.3179N	17.4149E	141	From 2019-08-13
Belem	BEB	Para,Brazil	1.4500S	48.4450W	15	From 1987-01-01
Belen	BELE	Costa Rica,Costa Rica	9.9760N	84.1880W	908	
Belen	BLNT	Turkey	36.4880N	36.1880E	555	From 1997-03-01
Beln	BENV	Venezuela	9.9623N	67.5988W	666	From 2015-06-11
Belene	RAZAM	Bulgaria	43.6451N	25.1243E	82	From 2012-11-20
Belfast (SA)	BFT	Transvaal,South Africa	25.6867S	30.0433E	1868	From 1986-01-01
Belfond	SLB	St Lucia	13.8275N	61.0412W	600	
Belforte del Chienti	BELF	Italy	43.1643N	13.2377E	347	From 2019-05-30
Belgrade	BGNE	Nebraska,U.S.A.	41.4083N	98.1502W	573	From 2008-10-18
Belgrade	BGY	Serbia	44.8026N	20.5158E	250	From 1990-01-01
Belgrano 2	BELA	Coats Land	77.8750S	34.6269W	262	From 2009-01-16
Belica	BELI	North Macedonia,North Macedonia	41.6828N	21.2739E	523	From 2004-01-01
Belie Skali	BLSS	Sakhalinskaya Oblast',Russia	46.8390N	142.3180E	62	
Belie Skalie	BSK4	Sakhalinskaya Oblast',Russia	46.8395N	142.3184E	60	From 1996-01-01
Belisirma, Guzelyurt, AKSARAY	BSIR	Turkey	38.2691N	34.2905E	1240	From 2017-12-22
Bella	BEL3	Italy	40.7153N	15.6369E	758	
Bella Bella	BBB	British Columbia,Canada	52.1847N	128.1130W	14	From 1986-12-05
Bella Coola	BCBC	British Columbia,Canada	52.3720N	126.7550W	0	From 2007-12-06
Bellamira	BLLM	El Salvador	13.4425N	88.2378W	642	
Bellaria	BLLA	Italy	44.1429N	12.4703E	1	From 2009-01-15
BELLA UFFICI GIUDIZIARI	BEL7	Italy	40.7589N	15.5396E	0	From 2014-02-05
Bellavista	BELL	Ecuador	0.1823S	78.4618W	2985	From 2010-07-09
Belle-Ile-en-Mer - Bangor - Morbihan - Bretagne - France	BMF	Bretagne	47.3266N	3.2016W	44	From 2019-05-22
Belle Mtn. Joshua Tree, Twentynine Palms	BELC	California,U.S.A.	34.0006N	115.9982W	1388	From 2001-03-15
Belle Prairie	BPIL	Illinois,U.S.A.	38.2019N	88.5919W	133	
Belleterre	BELQ	Quebec,Canada	47.3980N	78.6874W	355	From 2007-08-22
Belleview	BE-	Florida,U.S.A.	28.9053N	82.0644W	21	From 1965-10-07 to 1967-01-16
Belleview	BE-FL	Florida,U.S.A.	28.9053N	82.0644W	21	From 1965-10-07 to 1967-01-16
Belle View Chopil	DBCT	Dominica	15.2707N	61.3456W	527	From 1989-12-01
Belleville	BV-	Pennsylvania,U.S.A.	40.6844N	77.6233W	244	From 1962-11-08 to 1962-12-12
Belleville	BV-PA	Pennsylvania,U.S.A.	40.6844N	77.6233W	244	From 1962-11-08 to 1962-12-12
Belleville	BVIL	Illinois,U.S.A.	38.5136N	89.9240W	162	
Bellevue	BVM	Martinique,France	14.7350N	61.0630W	694	From 1972-05-01
Bellevue State Park	BVD	Delaware,U.S.A.	39.7747N	75.4994W	58	From 1985-02-01
Bellfield	BFD	Victoria,Australia	37.1761S	142.5440E	235	From 1972-10-16 to 2006-05-29
Bellingham	BLL	Washington,U.S.A.	48.7389N	122.4850W	96	From 1961-12-01 to 1969-12-31
Bell Mountain	BLM*	Nevada,U.S.A.	39.1536N	118.0917W	1951	From 1972-01-13 to 1975-07-31
Bellombra (RO)	A304A	Italy	45.0167N	12.0335E	0	From 2016-02-05
Bell Site, White Sands Missile Range	123A	New Mexico,U.S.A.	32.6349N	106.2622W	1206	From 2008-05-14 to 2010-01-19
Bell Springs	KBSM	California,U.S.A.	39.9178N	123.5950W	1134	
Bellville	BLE	Cape Province,South Africa	33.9000S	18.6450E	78	
Belmegyer	HU24A	Hungary	46.9098N	21.1590E	120	From 2019-05-22
Belmond	K37A	Iowa,U.S.A.	42.7669N	93.6388W	365	From 2010-10-11 to 2012-10-23
Belmont	SVB	St Vincent,Saint Vincent and the Grenadines	13.2720N	61.2520W	282	From 1978-06-06
Belmont	BMTS	North Island,New Zealand	41.1914S	174.9260E	84	From 2011-01-18
Belmont College, St. Clairsville	BTCO	Ohio,U.S.A.	40.0772N	80.9659W	372	
Belogorka	BGK	Kyrgyzstan	42.6250N	74.2360E	1450	
Belogorka 2	BGK2	Kyrgyzstan	42.6451N	74.2274E	1640	
Belogornoye	BELG	Saratovskaya Oblast',Russia	52.3934N	47.6244E	0	From 2014-03-03
Belogradchik	BLKB	Bulgaria	43.6227N	22.6750E	650	From 2012-11-20
BELONIA	BELO	Tripura,India	23.2485N	91.4472E	20	From 2011-05-01
Belsk	BEL	Poland	51.8355N	20.7888E	173	From 1965-11-03
Belted Range	BLT	Nevada,U.S.A.	37.4825N	116.1260W	1882	From 1979-05-30 to 2002-10-10
Belton	X54A	South Carolina,U.S.A.	34.5474N	82.3743W	213	From 2013-02-14
Beluga	BLGA	Alaska,U.S.A.	61.1765N	151.0313W	20	
Belurgan, Co Louth	ILTH	Ireland	54.0279N	6.3362W	20	From 2011-12-12
Belvedere	BELV	Provence-Cote d'Azur,France	44.0160N	7.3190E	800	From 2004-03-17
Belvidere	W49A	Tennessee,U.S.A.	35.1194N	86.2645W	251	From 2012-04-18
Belvoir	BELVR	France	47.3259N	6.6023E	669	From 2018-09-11 to 2020-01-01
Belvue	BEK	Kansas,U.S.A.	39.2632N	96.1997W	349	From 1977-09-15 to 2001-07-15
Belyy Ugol'	BEYR	Russia	44.0120N	42.8170E	660	
Belyy Yar	BYAR	Khanty-Mansi Autonomous Okrug,Russia	61.4167N	73.4000E	91	
Bemidji	BEM	Minnesota,U.S.A.	47.4889N	94.8683W	426	From 1981-07-07
BENADO ABAJO	BENA	Ecuador	0.2534S	80.1569W	182	From 2016-05-20
Benavente	PBEN	Portugal	38.9465N	8.8264W	40	From 2015-10-13
Benavides	934A	Texas,U.S.A.	27.6018N	98.5192W	144	From 2009-12-20 to 2011-11-16
Bench	BEH	Alaska,U.S.A.	66.0150N	149.8120W		From 1985-03-01
Benchmark Campground	BMMT	Montana	47.4907N	112.8763W	1675	From 2018-08-22
Bencubbin	BENC	Western Australia	30.8100S	117.8591E	356	
Bend	CKT	Alaska,U.S.A.	61.2008N	152.2060W	1036	From 1992-09-17
Bend	BEND	Oregon,U.S.A.	44.0669N	121.3267W	1141	
Bend	I05A	Oregon,U.S.A.	44.1626N	121.2675W	1011	From 2004-07-21 to 2008-01-30
Bendorf-Stromberg	BEDO	Rheinland-Pfalz	50.4600N	7.6000E	321	From 2021-02-15
Benevento	BNV	Italy	41.1310N	14.7820E	154	
BENEVENTO	BN013	Italy	41.1292N	14.7823E	174	From 2017-07-01
Benevento cab. Olmeri	BNOM	Italy	41.1527N	14.7896E	229	From 2022-11-07
Benevento Pio XI	BNPI	Italy	41.1173N	14.7652E	247	From 2022-11-04
Bengkulu	BGI	Sumatera,Indonesia	3.6500S	102.5670E		
Beni-Abbes	BAB	Algeria	30.1214N	2.1861W		
Beniarda	EBEN	Spain	38.7038N	0.2250W	764	
Beniarda presa Alicante	EBEN2	Spain	38.6763N	0.1904W	420	From 2012-05-31
Beni Bahdel	OBBL	Algeria,Algeria	34.7076N	1.5043W	782	
Benidorm	EXBN	Spain	38.5450N	0.1310W	45	
Beni Haoua	EBNH	Algeria,Algeria	36.5210N	1.5590E	221	
Beni Haroun dam	CBHR	Algeria,Algeria	36.5652N	6.2715E	282	
Beni Messoud	BMD	Morocco	35.7803N	5.6997W	396	
Beni Rached	EBNR	Algeria	36.2905N	1.5302E	636	
Benito Juarez	BJVM	Mexico D.F.	19.3750N	99.1705W	2200	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Benito Juarez	SCT2	Mexico D.F.	19.3947N	99.1470W	2240	
Ben Lomond Mountain, Santa Cruz County	JBNB	California,U.S.A.	37.1232N	122.1567W	761	From 2008-05-23
Ben Lomond (Santa Cruz Mountains)	BNLO	California,U.S.A.	37.1311N	122.1729W	794	From 2005-04-20 to 2007-09-02
Bennet, Jal	227A	New Mexico,U.S.A.	32.0120N	103.2924W	879	From 2008-03-21 to 2010-02-15
Bennett Dam	BDBC	British Columbia,Canada	56.1742N	122.2820W	700	From 1985-10-01
Benn Knob	BENN	North Carolina,U.S.A.	35.5650N	81.6610W	878	From 1982-01-22 to 2008-02-13
Benoni	BNON	South Africa	26.1580S	28.3190E	1683	From 2010-03-01
Bensberg	BNS	Nordrhein-Westfalen,Germany	50.9639N	7.1756E	200	From 1954-04-01
Bensberg	BA09	Nordrhein-Westfalen,Germany	50.9638N	7.1755E	200	From 2006-10-01
Benson	G34A	Minnesota,U.S.A.	45.2419N	95.6380W	316	From 2010-09-16 to 2012-07-26
Benson Hill Elementary School	RBEN	Washington,U.S.A.	47.4348N	122.1862W		
Benson Ranch	BENWA	Washington,U.S.A.	46.5188N	119.7170W	335	
Bentivoglio (BO)	A307A	Italy	44.6608N	11.4363E	8	From 2015-11-05
Benton	T44A	Missouri,U.S.A.	37.0860N	89.5896W	133	From 2011-07-23 to 2013-03-19
Benton	BENR	California,U.S.A.	37.7155N	118.5730W	2490	From 1983-07-29
Beograd	BEO	Serbia	44.8093N	20.4714E	129	From 1910-06-01
Beolgok	BLGA0	Republic of Korea	36.5400N	126.9473E	85	From 2018-03-09
Beppu	BEP	Oita,Japan	33.2833N	131.4830E	75	
Beppuamama	JBEP	Kumamoto,Japan	33.3363N	131.4072E	434	From 2010-02-01
Beqa	BQA	Fiji	18.3786S	178.1350E	439	From 1979-10-01
Berane	IVA	Montenegro	42.8718N	19.8931E	996	From 1982-12-25
Berane	BEY	Montenegro	42.8718N	19.8931E	996	From 1982-12-25
Berat	BERA1	Albania	40.7082N	19.9455E	265	From 2013-10-18
Berati	BERA	Albania	40.7027N	19.9494E	100	
Berau, Kalimantan Timur, Indonesia	BUKI	Indonesia	1.2516N	118.7093E	86	From 2021-12-31
Berceto	BRRO	Italy	44.5063N	9.9872E	808	
Berchikul'	BRCR	Kemerovskaya Oblast',Russia	55.6400N	88.3200E	350	
Berchtesgaden	BGLD	Bayern,Germany	47.6524N	13.0125E	930	From 1999-10-22
Berda	BERT	Tunisia	34.2410N	9.0118E	320	
Berdun	YBER	Spain	42.5810N	0.9182W	632	From 2010-05-01
Beregovo	BERU	Carpathian Mountains	48.2336N	22.6464E	140	From 2000-07-12
Bereket-Mersin	BERE	Turkey	36.3474N	33.2229E	1379	From 2011-07-01
Berezeni	BERR	Romania	46.3589N	28.1501E	66	From 2001-11-08
Berezniki	BRZS	Kazakhstan	49.9820N	72.6780E	497	From 2010-09-01
Berezniki,	BRK30	Permskiy Kray	59.3809N	56.8270E	150	From 2013-10-27
Berezniki, Zyrianka	BER11	Permskiy Kray	59.3670N	56.8031E	214	From 2018-05-30
Berezovaya	BERS	Kamchatskaya Oblast',Russia	52.2700N	158.4330E	10	From 1981-01-01 to 1994-12-31
Bergamo	BGMO	Italy	45.6925N	9.6903E	278	From 2019-07-30
Bergamo, Funivia il Toro, Foppolo	A289A	Italy	46.0473N	9.7610E	1780	From 2015-09-09
Bergen	BER	Norway	60.3838N	5.3339E	50	From 1994-06-28
Bergen	BRGNA	Alberta,Canada	51.6769N	114.7269W	1246	From 2013-10-29
Bergerie de la Roque, 34343, Viols le Fort, Herault	A199A	France	43.7438N	3.6883E	341	From 2016-08-26
Berg Farm, Melba	J10A	Idaho,U.S.A.	43.4275N	116.7670W	748	From 2006-11-29 to 2008-07-24
Berggiesshubel	BRG	Sachsen,Germany	50.8732N	13.9428E	260	
Bergheim	BEG	Nordrhein-Westfalen,Germany	50.9613N	6.6557E	-95	From 1975-05-01 to 1994-12-01
Bergheim	BGUS	Saskatchewan,Canada	52.1960N	106.3980W	594	From 1999-01-01 to 2002-12-01
Bergheim Laurentius Kirche	BD01	Nordrhein-Westfalen,Germany	50.9593N	6.6355E	78	From 2001-01-01
Bergile	ABERE	Ethiopia	12.1707N	41.1886E	574	
Berg Lake	BERG	Alaska,U.S.A.	60.3928N	143.7018W	474	
Bergli, Elm, GL	ELM0	Switzerland	46.9156N	9.1524E	1284	From 2020-05-28
Bergtoll Ranch, Theony	A21A	Montana,U.S.A.	48.9912N	106.9254W	779	From 2008-09-17 to 2010-07-19
Bergn Schule, GR	SBGN	Switzerland	46.6282N	9.7484E	1373	From 2015-07-15
Bergwerk Finstertal	BBWF	Germany	50.7354N	10.5042E	400	From 2013-05-14
Bergwerk Schwarze Crux	CRUX	Thuringen,Germany	50.6030N	10.7921E	718	From 2012-06-01
Berhale	HALE	Ethiopia	13.8422N	40.0077E	710	
Bering	BKI	Kamchatskaya Oblast',Russia	55.2040N	165.9720E	10	
Bering Glacier BLM Camp	BGLC	Alaska,U.S.A.	60.1205N	143.2841W	10	From 2013-01-01
Berja	EBER	Spain	36.8979N	2.8896W	1690	
Berkeley--Byerly	BKS	California,U.S.A.	37.8762N	122.2356W	243	From 1962-01-01
Berkeley--Haviland	BRK	California,U.S.A.	37.8735N	122.2610W	49	From 1887-01-01
Berland Lookout Tower, Alberta	BRLDA	Alberta,Canada	54.0920N	117.4038W	1223	From 2014-07-30
Berlesti	RO04A	Romania	45.0784N	27.4472E	420	From 2022-09-12
Berlin	BRN	Berlin,Germany	52.4188N	13.2031E	45	From 1972-07-01
Berlin	BR-PA	Pennsylvania,U.S.A.	39.9242N	78.8447W	665	From 1962-12-30 to 1965-07-23
Berlin	BNH	New Hampshire,U.S.A.	44.5906N	71.2564W	472	From 1963-01-01 to 1999-01-31
Berlin--Free University	BRL	Berlin,Germany	52.4715N	13.2904E	-68	From 1970-01-01
Berlin--Lankwitz	BRNL	Berlin,Germany	52.4278N	13.3580E	42	From 1991-04-06
Berlin (NY)	BERL	New York,U.S.A.	42.6913N	73.3913W	549	
Berlin (Penn)	BR-	Pennsylvania,U.S.A.	39.9242N	78.8447W	665	From 1962-12-30 to 1965-07-23
Bermuda--Columbia	BEC	Bermuda	32.3794N	64.6811W	41	From 1939-02-03
BERMUDA INFRASONIC ARRAY REFERENCE POINT	BMTGB	Bermuda	32.3615N	64.6987W	-35	From 2008-11-10
Bermuda-Navy	BEN	Bermuda	32.2697N	64.8536W		
Bernadia	BERI	Italy	46.2367N	13.2433E	640	From 1977-05-06
Bernadia	BAD	Italy	46.2367N	13.2433E	640	From 1977-05-06
Bernardo	X22A	New Mexico,U.S.A.	34.5058N	107.0102W	1604	From 2008-01-10 to 2009-12-02
Bernardo	BDNM	New Mexico,U.S.A.	34.4960N	106.9130W	1505	From 1990-01-01
Bernathegy	HU23A	Hungary	47.6390N	20.2496E	158	From 2019-05-16
Bernie	BRNM	Missouri,U.S.A.	36.7236N	89.9978W	103	
Bernie	BRM	Missouri,U.S.A.	36.6333N	90.0597W	109	From 1969-01-01 to 1973-12-31
Bernies	BRNS	Egypt	23.8559N	34.1143E	332	
Berninapass	BERNI	Switzerland	46.4132N	10.0221E	2310	From 1998-08-01
Bern, Kleine Schanze	SBERN	Switzerland	46.9458N	7.4395E	544	From 2012-11-01
Bernov	BERN	Czech Republic	50.2321N	12.5117E	635	
Berrybush	BYB	Wales,United Kingdom	51.8994N	5.0958W	0	
Berryessa Peak	NBPM	California,U.S.A.	38.6678N	122.1930W	67	From 1974-05-10
Berryman	BRR	Missouri,U.S.A.	37.9533N	91.1750W	250	From 1960-01-01 to 1962-12-31
Ber_school_1	RORSS	Norway	64.8702N	11.2340E	0	From 2000-01-01
Ber_school_2	MELSS	Norway	66.8637N	13.7233E	29	From 2000-01-01
Bertagne	BERF	Provence-Cote d'Azur,France	43.3130N	5.6907E	1030	From 1988-04-08 to 2010-05-20
Bertell Ranch	BRTC	California,U.S.A.	34.6115N	117.9630W	789	
Bertha Hill	BHI	Idaho,U.S.A.	46.7640N	115.7920W	1652	From 1971-10-01 to 1976-01-14
Berwen	BWZ	South Island,New Zealand	44.5301S	169.8831E	490	From 1991-01-20
Besancon	BES	Franche Comte,France	47.2497N	5.9875E	311	From 1950-01-01
Besboro Island	BBO	Alaska,U.S.A.	64.1212N	161.3050W	244	
Besenyszg	BSZH	Hungary	47.2996N	20.2670E	82	From 2013-09-11
Besham	BSM1	Pakistan	34.9030N	72.8610E	608	From 2012-01-01
BESHS	BESHS	Saudi Arabia	17.3651N	42.8395E	241	
Besiri	BEST	Turkey	37.8911N	41.2700E	959	From 2003-10-02 to 2013-02-01
Besmoynak	BMNS	Kazakhstan	43.1080N	75.6690E	1624	From 2004-05-18 to 2012-06-30
Besneville	BESN	France	49.3743N	1.6143W	69	From 2018-12-01
Bessie Mountain	BESE	Alaska,U.S.A.	58.5796N	134.8543W	870	
Betania	BETC	Colombia	2.6813N	75.4413W	540	From 1994-01-01
Bet Guvrin	GVI	Israel	31.6320N	34.9090E	390	From 1983-04-01 to 1999-08-25
Bethany	BETM	Missouri,U.S.A.	36.6119N	90.0593W	129	
Betharram	BTH	Aquitaine,France	43.1231N	0.2069W	325	From 1986-08-01 to 1995-12-31
Bethel	BET	Alaska,U.S.A.	60.8078N	161.7720W		
Bethel	BQ-AK	Alaska,U.S.A.	60.7789N	161.8836W	46	
Bethel	M14K	Alaska,U.S.A.	60.7515N	161.9600W	19	From 2017-05-22
Bethel	BETH	Kentucky,U.S.A.	38.2467N	83.8531W	278	From 1980-10-26 to 1999-08-25
Bethel	BHO	Oklahoma,U.S.A.	34.3808N	94.8673W	143	From 1981-03-30 to 1987-10-15
Bethel	MBET	Montserrat	16.7414N	62.1631W	350	From 1989-07-01
Bethesda, Antigua	ANBD	Antigua	17.0480N	61.7650W	26	From 2014-09-18
Bethesda--National Naval Medical Center	NHB	Maryland,U.S.A.	39.0016N	77.0837W	91	From 1962-01-01 to 1972-12-31
Bethincourt	BETHI	Lorraine	49.2417N	5.2278E	185	From 2021-08-20
Betijoque	BETV	Venezuela	9.3795N	70.6730W	638	
Bet Lehem HaGelilit	BLGI	Israel	32.7334N	35.1913E	190	From 2007-11-19
BETM	BETMI	Israel	29.7800N	34.8930E	40	From 1985-11-01 to 1986-06-30
Bet Oren	BRNI	Israel	32.7200N	34.9900E	400	From 1991-12-01
Bet Oren	BTOR	Israel	32.7299N	35.0058E	387	From 2018-08-13
Bettingen Gewerbehaus	SBEG	Switzerland	47.5709N	7.6645E	377	From 2012-03-12
Bettles	G22K	Alaska,U.S.A.	66.9214N	151.5073W	205	From 2016-06-17
Bettona	BETT	Italy	42.9925N	12.4796E	531	From 2016-10-01
Betulia, Santander	BTLC	Colombia	6.9185N	73.2677W	1874	From 2009-09-01 to 2011-11-30
Beuda	CBEU	Spain	42.2567N	2.6769E	824	From 2007-05-01
Beulah	H45A	Michigan,U.S.A.	44.6232N	86.0440W	242	From 2012-11-09
Beulah Township	D49A	Ontario,Canada	47.2726N	81.3562W	416	From 2012-10-31
Beuren	BEU	Baden-Wurttemberg,Germany	48.5838N	9.4153E	443	From 1973-01-01 to 2002-03-08
Beuren	BEUR	Germany	50.0796N	7.0781E	386	
Bevans Ridge	BEVN	California	39.3328N	122.9032W	857	From 2020-05-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Beverley	BEV	Jamaica	18.4517N	77.3000W	123	
Beverly	BVW	Washington,U.S.A.	46.8110N	119.8823W	670	
Beverly	BEVE	Western Australia	32.1087S	116.9247E	204	
Beverly Hills	BVH	California,U.S.A.	34.0762N	118.3959W	39	
Beykoz	BEYT	Turkey	41.1590N	29.2910E	153	
Beylaqan	BLQ	Azerbaijan	39.7210N	47.5590E	300	From 2013-10-10
Bezymyanka	BZMS	Kamchatskaya Oblast',Russia	55.5620N	160.3850E	1486	
Bezymyannaya	BZMR	Kamchatskaya Oblast',Russia	55.9350N	160.4900E	1450	From 2006-08-01
Bezymyannyi-Griva	BZGR	Kamchatskaya Oblast',Russia	55.9400N	160.6960E	1152	From 2007-08-23
Bezymyannyi-Pereval	BZP	Kamchatskaya Oblast'	55.9119N	160.5382E	1556	From 2016-07-25
Bezymyannyi-West	BZWR	Kamchatskaya Oblast',Russia	55.9640N	160.4960E	1624	From 2007-08-23
Bfoussam II, CM16	ACM16	Cameroon	5.4800N	10.5720E	645	
BGI	BGII	Israel	31.7220N	35.0920E	760	From 1988-08-01 to 1991-04-30
Bhachau	BHAC	Gujarat,India	23.2800N	70.3400E	14	From 2012-01-01
Bhadarwah	BDRWA	Jammu and Kashmir	32.9618N	75.7235E	1732	
Bhadarwah	BDGH	Jammu and Kashmir	32.9825N	75.7115E	1620	
Bhakra	BHK	Punjab,India	31.3947N	76.3809E	370	From 1965-02-15
Bhandari	BHDI	Nagaland,India	26.2800N	94.1492E	700	
Bhannes	BHL	Lebanon	33.9042N	35.6542E	1000	From 1980-05-01
Bharisain	BHAR	Himachal Pradesh,India	30.0946N	79.2658E	2262	From 2012-01-01
Bharudia	BHRD	Gujarat,India	23.3060N	70.2427E	45	From 2012-01-01
Bhatsa	BHAT	Maharashtra,India	19.5196N	73.4020E	0	From 1983-07-01
Bhavnagar	BHV	Gujarat,India	21.7503N	72.1456E	35	From 2002-07-16
BHIKNUR	BNR	Andhra Pradesh,India	18.2325N	78.3932E	460	From 2000-01-01
Bhimchula	BHMN	Nepal	28.6560N	81.7140E	2283	From 2004-07-15
Bhopal	BHPL	Madhya Pradesh,India	23.2410N	77.4245E	520	
Bhubaneshwar	BWNR	Orissa,India	20.2521N	85.8206E	51	
Bhuj	BHUJ	Gujarat,India	23.2540N	69.6540E		
Bhuj	BHJ	Gujarat,India	23.2540N	69.6540E	80	From 1980-04-01
Bhuj North	BHUN	Gujarat	23.3500N	69.6500E	160	
Bhumibol Dam	BDT	Thailand	17.2443N	99.0030E	154	From 1976-01-01
Biak	BAKI	Irian Jaya,Indonesia	1.1914S	136.1070E	89	
Bialla	BIAL	New Britain,Papua New Guinea	5.3100S	151.0520E	160	From 1985-05-13
Bibbiana	BIBN	Italy	44.1320N	11.5130E	711	From 2005-04-23
Bibbona	MAGO	Italia	43.2731N	10.6579E	279	From 2016-09-01
Biberach	BIBE	Germany	48.0931N	9.7947E	531	From 1905-01-01 to 1915-12-31
Biberach, Ahlen	A104C	Germany	48.1266N	9.6566E	656	From 2017-08-23
Biberach, Stafflangen	A104A	Germany	48.0628N	9.7104E	575	From 2015-11-10
Biberach, Stafflangen 2	A104B	Germany	48.0757N	9.7032E	588	From 2016-11-09
Biblin	BIBL	Ecuador	2.7600S	78.8880W	3073	From 2012-09-20
Biblioteca Cornelia, Rome	NR25	Italy	41.9088N	12.3977E	84	From 2021-01-14 to 2021-04-08
Biblioteca Giovenale, Rome	NR23	Italy	41.9335N	12.5599E	30	From 2021-01-19 to 2021-04-06
Biblioteca Vaccheria Nardi, Rome	NR19	Italy	41.9139N	12.5653E	24	From 2021-01-22 to 2021-04-06
Biblioteca Villa Leopardi, Rome	NR18	Italy	41.9266N	12.5218E	35	From 2021-01-19 to 2021-04-06
Biblis	WBH	Hessen,Germany	49.7047N	8.4151E	85	From 2004-09-17 to 2007-09-17
B. Ibn Batouta	BIT	Morocco	35.6481N	5.7289W	60	
Bica de Lurdes, Rio Formoso	NBBL	Pernambuco	8.6820S	35.1512W	64	From 2017-12-05
Bicaz	BIZ	Romania	46.9392N	26.1042E	410	
Biccari - m.te Cornacchia	MOCO	Italy	41.3700N	15.1580E	1049	From 2005-08-03
Bickleton	BLTW	Washington,U.S.A.	45.9150N	120.1770W	659	
Bidbid	BIDO	Oman	23.5211N	58.1269E	200	From 2001-07-01
Biddle	G23A	Montana,U.S.A.	45.2012N	105.3907W	1064	From 2008-11-23 to 2010-08-13
Bidston	BID	England,United Kingdom	53.4000N	3.0667W	60	
Bidwell	Q52A	Ohio,U.S.A.	38.9622N	82.2669W	228	From 2012-08-26
Bieber	WBG	Hessen,Germany	50.1716N	9.3459E	310	From 2003-12-15
Bieberswoehr	A352A	Germany	49.8214N	11.6903E	452	From 2015-10-23
Biel, Kongresshaus, BE	SBIK	Switzerland	47.1344N	7.2470E	430	From 2014-11-11
Biella	BIEL	Italy	45.5459N	8.0553E	375	From 2019-07-30
Bielow Farm, Ricketts	L35A	Iowa,U.S.A.	42.1123N	95.5448W	410	From 2010-06-07 to 2012-04-26
Bielsa	EBIE	Spain	42.6862N	0.1428E	2130	
Bielsko-Biala	MIKI	Poland	49.7884N	19.0603E	358	From 2005-06-15
Biga-Canakkale	BIGA	Turkey	40.2813N	27.1503E	60	From 2019-11-21
Big Bar	N02C	California,U.S.A.	40.8220N	123.3057W	717	From 2005-06-29 to 2007-11-19
Big Bay de Noc Black Bears, Cooks	F44A	Michigan,U.S.A.	45.9737N	86.4226W	234	From 2011-09-18 to 2013-06-11
Big Bear	BBC	California,U.S.A.	34.2417N	116.9080W	2060	From 1951-06-21 to 1957-09-20
Big Bear Solar Observatory, Big Bear Lake	BBRC	California,U.S.A.	34.2623N	116.9207W	2069	From 2000-06-14
Big Bend	BBM	Montana,U.S.A.	48.3764N	115.3280W	719	From 1971-02-01 to 1974-07-09
Big Bend	BBI	Idaho,U.S.A.	44.1762N	111.4290W	1950	From 1974-06-01 to 1980-07-24
Big Bend Ranch, Presidio	626A	Texas,U.S.A.	29.5540N	104.1335W	979	From 2008-03-09 to 2010-02-07
Big Butte	BGB	Nevada,U.S.A.	37.0402N	116.2278W	1706	From 1979-01-23 to 2002-10-10
Big Chico Creek Reserve, CA USA	BCCR	California	39.8200N	121.7351W	510	From 2018-01-01
Big Chuckawalla Mtns, Desert Center	BC3	California,U.S.A.	33.6551N	115.4537W	1137	From 1991-05-08
Big Chuckwalla Mountains 2	BC2	California,U.S.A.	33.6570N	115.4612W	1185	From 1974-11-01 to 2008-02-22
Big Creek	BGN	Nevada,U.S.A.	41.6761N	118.5970W	1527	From 1974-03-01 to 1975-08-31
Big Creek Baldy	BCB	Montana,U.S.A.	48.6351N	115.5450W	1756	From 1972-07-02 to 1976-10-04
Big Creek Wildlife, Hattiesburg	346A	Mississippi,U.S.A.	31.3876N	89.4649W	91	From 2011-03-18
Big Creek, Yellow Pine	G12A	Idaho,U.S.A.	45.1285N	115.3257W	1780	From 2007-07-29 to 2009-07-25
Big Darby	GBDM	California,U.S.A.	39.4420N	123.3090W	655	
Big Dutch Hollow	BDU	Utah,U.S.A.	40.8742N	111.5340W	2198	From 1974-09-01 to 1989-04-24
Bigeumdo	BGDB	Republic of Korea	34.7726N	125.9469E	-62	From 2016-05-31
Bigfork	BFM	Montana,U.S.A.	48.0672N	114.1000W	914	
Big Grassy Butte	GBI	Idaho,U.S.A.	43.9875N	112.0630W	1561	
Big Grassy Mountain	BGU	Utah,U.S.A.	40.9254N	113.0299W	1608	
Big Gulch	LBGM	California,U.S.A.	40.8023N	122.5897W	884	
Big Hill	BLW	North Island,New Zealand	41.3670S	175.4749E	340	From 1979-06-29 to 2004-06-08
Big Hole Peak	BHMT	Montana,U.S.A.	47.5825N	115.0370W	1628	
Big Horn, Sheridan	H21A	Wyoming,U.S.A.	44.6277N	107.0423W	1411	From 2008-07-25 to 2010-09-08
Big Horse Ranch, Ione	R04C	California,U.S.A.	38.2571N	120.9363W	115	From 2004-12-08 to 2007-12-04
Big Hunter Mountain, Platina, CA USA	HUNT	California	40.1895N	123.1456W	1515	From 2020-08-01
Big Koniuji Island	BKJ	Alaska,U.S.A.	55.1567N	159.5590W	146	
Big Lost River	LRI	Idaho,U.S.A.	43.5283N	112.9480W	1509	From 1971-12-01 to 1999-08-25
Big Maria Mountains	BMM	California,U.S.A.	33.7567N	114.5860W	564	From 1974-04-01 to 1976-10-31
Big Mountain	BBGM	California,U.S.A.	36.5780N	121.0392W	1065	From 1972-02-03 to 2011-11-26
Big Mountain	BGM	Alaska,U.S.A.	59.3927N	155.2290W	625	From 1979-02-21
Big Mountain	BIG	Alaska,U.S.A.	59.3889N	155.2170W	567	From 1972-07-31 to 1978-09-08
Big Mountain, AK	P18K	Alaska,U.S.A.	59.3922N	155.2292W	680	From 2015-06-15
Big Mountain Broadband	BBGB	California,U.S.A.	36.5785N	121.0396W	1089	
Big Mountain, Salyer, CA USA	BIGM	California	40.8865N	123.3617W	1066	From 2020-08-01
Big Muddy Lake	BMS	Saskatchewan,Canada	49.2117N	104.7930W	700	From 1977-07-11
Bigot	BIM	Martinique,France	14.5170N	61.0708W	425	From 1972-01-01
Big River Lodge, Big River	M19K	Alaska,U.S.A.	61.9037N	154.3915W	521	From 2015-06-19
Big Rock Lookout	BROR	Oregon,U.S.A.	44.2674N	122.4520W	135	
Big Springs	BSPT	Tennessee,U.S.A.	35.7260N	84.1090W	334	From 1983-11-01
Big Stone Gap	BI-	Virginia,U.S.A.	36.8458N	82.7069W	549	From 1962-11-07 to 1962-12-12
Big Stone Gap	BI-VA	Virginia,U.S.A.	36.8458N	82.7069W	549	From 1962-11-07 to 1962-12-12
Bigte	NZB	Luzon,Philippines	14.8630N	121.1010E	227	
Big Timber	F18A	Montana,U.S.A.	45.9046N	109.7158W	1291	From 2007-09-18 to 2009-09-12
Big Trails, Ten Sleep	I21A	Wyoming,U.S.A.	43.8122N	107.2920W	1639	From 2008-07-29 to 2010-09-13
Big Valley, Newell, CA USA	BIGV	California	41.9045N	121.2278W	1377	From 2022-03-01
Biharamulo	BIHA	Tanzania,United Republic of Tanzania	2.6378S	31.3162E	1433	
Bijagual	BIJ	Costa Rica	9.7193N	84.5795W	595	From 2002-04-11 to 2002-10-01
Bijagual	LAJ	Costa Rica	9.8637N	84.1213W	1650	
Bijagual, Panama	BGUAL	Panama	8.5090N	82.3330W	119	
Bijeljina	BLJ	Bosnia and Herzegovina	44.7830N	19.2670E	94	From 2002-07-05
BIKANER	BKNR	Rajasthan	28.0200N	73.2780E	228	From 2018-03-18
Bila Hurka	BILA	Czech Republic	49.1555N	14.3058E	431	From 2016-05-11
Bilaigarh	BLGR	India	21.6420N	82.7220E	236	From 2018-02-15
Bilal Ibnou Rabah	CBOS	Algeria,Algeria	36.7926N	6.3162E	158	
Bilaspur	BLSP	Madhya Pradesh,India	22.0979N	82.1772E	283	
Bilaspur	BLPI	Madhya Pradesh,India	22.0833N	82.4167E	85	
Bila Voda	BVOC	Czech Republic	50.4338N	16.8908E	400	From 2012-02-14
Bilecik/Merkez-Dede RL	BILE	Turkey	40.1615N	29.8750E	999	
Bilecik-Osmaneli-Hisarcık	HISA	Turkey	40.4660N	29.9217E	885	From 2017-03-15
Bilibino	BILL	Magadanskaya Oblast',Russia	68.0389N	166.2711E	299	
Bilibino	BIL	Chukotka,Russia	68.0467N	166.4056E	369	From 2020-01-01
Bilibino, Chukotka	BILI	Magadanskaya Oblast',Russia	68.0580N	166.4490E	283	From 1981-08-01 to 1992-04-30
Billerbeck	NE35	Nordrhein-Westfalen,Germany	51.9720N	7.3480E	166	
Billings	BS-MA	Montana,U.S.A.	45.7322N	108.8922W	1219	
Billings	F20A	Montana,U.S.A.	45.8006N	108.1488W	1194	From 2008-07-23 to 2010-08-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bilwi Airport	BILN	North Caribbean Coast,Nicaragua	14.0488N	83.3746W	30	From 2018-11-27
Bima	BMNI	Sumba,Indonesia	8.5400S	118.6926E	63	From 2005-01-01
Bindweide	BIW	Rheinland-Pfalz,Germany	50.7308N	7.8373E	312	
Bingham Canyon	BIU	Utah,U.S.A.	40.5131N	112.1360W	2244	
Binghamton	BINY	New York,U.S.A.	42.1993N	75.9861W	498	From 1993-08-17
Binghamton	BING	New York,U.S.A.	42.0757N	75.9767W	408	From 1978-10-18 to 1986-09-30
Binghamton	BNY	New York,U.S.A.	42.0896N	75.9708W	291	From 1970-08-01
Bingley Moor	BMY	England,United Kingdom	53.8698N	1.8185W	235	
Bingol	BGOL	Turkey	38.9882N	40.6711E	1166	From 2011-01-07 to 2018-10-10
Bingol	BINT	Turkey	38.8758N	40.4890E	1342	From 1997-08-21
Bingol	MCKZ	Turkey,Turkey	39.1189N	38.9753E	1495	
BINGOL	BNGL	Turkey	38.9521N	41.1499E	1968	From 2005-07-11
Bingl	BNGB	Turkey	38.9913N	40.6790E	1180	From 2008-11-21
Bingol, Solhan-Merkez	SLHN	Turkey	38.9572N	41.0239E	1373	From 2014-12-02
Binningen	SBIS2	Switzerland	47.5411N	7.5835E	315	From 2008-12-01
Binsa	BIN	Democratic Republic of the Congo	4.3667S	15.2500E	450	From 1966-01-01 to 1999-08-25
Bintulu	BTM	Sarawak,Malaysia	3.2000N	113.0833E	156	
BinXian	BNX	Heilongjiang	45.7394N	127.4045E	227	From 2009-01-01
Biogem	BIOG	Italy	41.1999N	15.1326E	625	
Biorka	BIO	Alaska,U.S.A.	56.8517N	135.5580W	61	From 1967-06-08 to 1970-05-31
Bi'r al Bayda'	BIDS	Saudi Arabia	26.8669N	36.9575E	200	
Biratnagar	BIRA	Nepal	26.4840N	87.2670E	12	From 2001-10-19 to 2002-10-30
Biratori	JBT	Hidaka,Japan	42.5898N	142.1337E	100	From 1995-04-01
Biratori 2	JBT2	Hidaka,Japan	42.7783N	142.3637E	170	
Birch Creek	BCKR	California,U.S.A.	37.6975N	118.3720W	1634	From 1984-09-13
Birch Creek	H25L	Alaska,U.S.A.	66.2670N	145.8187W	144	From 2016-11-10
Birch Creek	H25K	Alaska,U.S.A.	66.2670N	145.8197W	144	From 2016-07-21 to 2016-11-09
Birch Farm	BFZ	North Island,New Zealand	40.6817S	176.2463E	283	From 1996-04-03
Birchfield Mountain	BFMT	Tennessee,U.S.A.	35.4880N	84.2270W	329	From 1983-11-09
Birch Hill	BRH	Alaska,U.S.A.	64.8648N	147.6400W	330	From 1970-07-09 to 1972-08-10
Bird Springs	WBSM	California,U.S.A.	35.5370N	118.1390W	1932	
Birdtown, Kershaw	BIRD	South Carolina,U.S.A.	34.6450N	80.4615W	131	
Bir El Hammam	OBHAM	Algeria	34.4184N	0.4792W	1256	
Birine	ABRIN	Algeria	35.6253N	3.1240E	762	
Birjand	BIRU	Iran	32.9000N	59.2000E	0	
Birkenau	A113A	Germany	49.5460N	8.7296E	359	From 2015-11-05
Birlad	BIR	Romania	46.2664N	27.6264E	225	From 1979-01-01
Birley Grange	KBI1	England,United Kingdom	53.2543N	1.5279W	272	From 1988-01-01
Birmah	KBR13	Saudi Arabia	25.7702N	38.8517E	573	
Bir Mashi	BMSH	Saudi Arabia	28.8139N	34.8389E	50	From 1993-07-01
Birney	G22A	Montana,U.S.A.	45.2189N	106.2924W	1203	From 2008-11-22 to 2010-08-10
Birongo	BIRV	Venezuela	10.4756N	66.2693W	200	
Birsfelden, Friedhof	SBIF2	Switzerland	47.5543N	7.6278E	257	From 2014-08-15
Bi'r Shalatayn	HSHL	Egypt	23.1067N	35.3999E	155	
Bisaccia	BSC3	Italy	41.0120N	15.3852E	980	
Bisbee	318A	Arizona,U.S.A.	31.4390N	109.9907W	1576	From 2007-03-07 to 2009-01-20
Biscoitos	PBIS	Azores,Portugal	38.7613N	27.2527W	435	From 2003-03-01
Bishah	BISH	Saudi Arabia	20.0010N	42.5990E	800	From 1991-05-01
Bisha - temporary	BISHT	,Saudi Arabia	19.9228N	42.6901E	1379	
Bishkek	FRU	Kyrgyzstan	42.8333N	74.6167E	655	
Bishkek	FRU1	Kyrgyzstan	42.8100N	74.6300E	929	From 2010-06-30
Bishop	BHPR	California,U.S.A.	37.2995N	118.4870W	2171	From 1984-08-10
Bishop	BP-	California,U.S.A.	37.3600N	118.6903W	2317	From 1963-04-16 to 1963-07-18
Bishop	BP-CL	California,U.S.A.	37.3600N	118.6903W	2317	From 1963-04-16 to 1963-07-18
Bishop Farm, Joseph	G10A	Oregon,U.S.A.	45.2925N	117.1204W	1527	From 2006-08-24 to 2008-07-18
Bishrakh	BISR	Uttar Pradesh,India	28.5710N	77.4390E	0	
Bislig	BIPH	Mindanao,Philippines	8.1840N	126.3610E	44	
Bislig	BIP	Mindanao,Philippines	8.2250N	126.2500E	200	
Bismark Peak	BIS	Nevada,U.S.A.	39.1238N	119.6750W	1786	From 1978-03-01
Bisoca	BISRR	Romania	45.5481N	26.7099E	866	From 2012-12-06
BISOCA	BISC	Romania	45.5402N	26.6874E	950	From 2005-08-10
Bistriski jarek	BISS	Slovenia	46.6478N	15.1271E	480	From 1996-12-01
Bisya	BSYO	Oman	22.7310N	57.2402E	350	From 1998-05-26 to 2000-12-31
Bisya	BSY	Oman	22.7446N	57.1995E	450	From 2001-07-01
Biszcza	PL08A	Poland	50.3763N	22.6766E	227	From 2019-12-18
Bitlis	BTLK	Turkey	38.4070N	42.1060E	1545	
BITLIS_Adilcevaz	ADCV	Turkey	38.8080N	42.7245E	1774	From 2011-11-01
Bitlis-Merkez	BLIS	Turkey	38.4146N	42.1152E	1608	From 2013-03-21
Bitola	BIA	North Macedonia,North Macedonia	41.0194N	21.3239E	720	From 1994-09-17
Bitov	A084A	Czech Republic	48.9434N	15.7007E	403	From 2015-09-22
Bitter Crk WRge	BCW	California,U.S.A.	34.9401N	119.4131W	1101	
Bitterwater Creek	BTW	California,U.S.A.	36.3150N	120.9290W	381	From 1972-01-27
Bitterwater Creek	PBWM	California,U.S.A.	36.3150N	120.9290W	381	From 1972-01-27
Bitterwater Pump Station	PBPM	California,U.S.A.	35.5791N	120.0775W	569	
Bixby	BIX	Oklahoma,U.S.A.	35.9780N	95.8461W	195	From 1990-08-01
Biye Kabobe	BOBE	Ethiopia	10.3798N	42.5724E	941	
Bjarnarey	IBEY	Iceland	63.4486N	20.1949W	100	From 2017-09-26
Bjarnastaoir	IBJA	Iceland	63.9460N	21.3030W	57	From 1989-08-15
Bjornoya	BJO1	Norway	74.5020N	18.9990E	18	From 1994-08-25
Bjornoya	BJO	Norway	74.5055N	19.1883E	18	
Bjuv	BJUU	Sweden	56.0739N	13.0237E	100	From 2008-08-25
Black Birch	BBW	South Island,New Zealand	41.7108S	173.8785E	250	From 1991-11-27 to 2004-03-22
Blackbirch Station	BSWZ	North Island,New Zealand	41.7149S	173.8758E	277	From 2003-12-09
Blackbird State Forest	BBD	Delaware,U.S.A.	39.3461N	75.6767W	18	From 1977-01-01 to 1999-01-31
Blackburn lab bldg12	OTBB	Ontario,Canada	45.4068N	75.5548W	76	From 2002-05-23
Black Butte	YPBB	Idaho,U.S.A.	45.0288N	111.1168W	2085	
Black Butte	BBN	New Mexico,U.S.A.	34.4078N	106.7460W	1524	From 1970-02-15 to 1971-12-18
Black Butte	BLK	Montana,U.S.A.	48.8547N	115.1180W	969	From 1971-02-07 to 1976-10-04
Black Canyon	BLCC	California,U.S.A.	34.2436N	118.6731W	607	
Black Canyon North	BCHM	California,U.S.A.	36.0543N	117.7280W	1265	From 1975-09-26
Black Crater	BKCOR	Oregon,U.S.A.	44.2994N	121.6960W	1208	
Black Diamond Mines Park, Antioch	BDM	California,U.S.A.	37.9540N	121.8655W	219	From 1998-11-12
Blackfoot	J15A	Idaho,U.S.A.	43.3998N	112.4334W	1497	From 2007-08-09 to 2009-05-09
Black Forest	BFO	Baden-Wurttemberg,Germany	48.3301N	8.3296E	589	From 1974-10-01
Black Fox Mountain	LBFM	California,U.S.A.	41.3470N	121.8900W	1982	
Black Gap, Marathon	628A	Texas,U.S.A.	29.4862N	102.8885W	655	From 2008-03-05 to 2010-02-10
Black Gap (USAF), Gila Bend	114A	Arizona,U.S.A.	32.7513N	112.8830W	279	From 2008-02-05 to 2009-02-18
Black Hill	EBH	Scotland,United Kingdom	56.2481N	3.5081W	375	From 1969-01-01
Black Hill	BLHA	Alaska,U.S.A.	55.7029N	162.0672W	378	From 1996-07-01
Black Hills	RSSD	South Dakota,U.S.A.	44.1212N	104.0359W	2090	From 1981-08-10
Black Hills	S12K	Alaska,U.S.A.	55.7030N	162.0610W	411	From 2016-06-11
Black Hill Station	BHHZ	North Island,New Zealand	39.4893S	176.0630E	776	From 2008-06-12
Black Lassic, Blocksburg, CA USA	BLAS	California	40.3226N	123.5326W	1669	From 2020-11-01
Black Mountain	BMTN	Nevada,U.S.A.	37.2913N	116.6380W	2073	From 1983-04-15 to 2002-10-10
Black Mountain	BLKC	California,U.S.A.	35.0880N	117.2190W	648	
Black Mountain	BLDC	California,U.S.A.	35.5338N	120.9067W	457	
Black Mountain	BMT*	Nevada,U.S.A.	37.2836N	116.5336W	1920	
Black Mountain	JBMM	California,U.S.A.	37.3182N	122.1530W	820	From 1975-02-24
Black Mountain	BMRR	California,U.S.A.	40.1087N	120.2910W	2146	
Black Mountain	BMUT	Utah,U.S.A.	41.9582N	111.2340W	2243	From 1979-10-01
Black Mountain, Craig	N21A	Colorado,U.S.A.	40.7600N	107.5196W	2235	From 2007-11-09 to 2009-10-23
Blacknest	BKN	England,United Kingdom	51.3642N	1.1869W	107	From 1973-02-22
Black Oak	GBOM	California,U.S.A.	38.8243N	122.8430W	879	From 1975-06-20
Black Peak	BPK	Arizona,U.S.A.	34.1247N	114.2100W	504	From 1974-04-01 to 1976-11-09
Black Pine Ridge	BPMT	Montana,U.S.A.	46.4375N	113.4463W	2408	
Black Rapids	BLR	Alaska,U.S.A.	63.5017N	145.8450W	809	From 1965-03-01 to 1999-08-25
Black Ridge (BLM), Bullfrog Basin	S17A	Utah,U.S.A.	37.6354N	110.8018W	1373	From 2007-07-28 to 2009-03-13
Black River	BRJ	Jamaica	18.0333N	77.8683W	8	From 1961-11-05 to 1964-03-07
Black Rk. Forest	BRNY	New York,U.S.A.	41.4140N	74.0119W	282	
Blackrock camp	BLAC	California,U.S.A.	34.0695N	116.3890W	1243	
Black Rock Reservoir, Balch Camp, CA USA	BLAK	California	36.9141N	119.0399W	1288	From 2020-11-01
Black Rock Valley	BRVW	Washington,U.S.A.	46.4853N	119.9912W	920	
Blacksburg	BAV	Virginia,U.S.A.	37.2221N	80.4250W	622	From 1973-09-01 to 2004-09-30
Blacksburg	BLA	Virginia,U.S.A.	37.2113N	80.4205W	634	From 1962-09-04
Blackshear	356A	Georgia,U.S.A.	31.3247N	82.1275W	36	From 2012-03-15
Black Stump Fm	BKZ	North Island,New Zealand	39.1657S	176.4926E	706	From 2004-02-11
Blacktail Mountain	BLMT	Montana,U.S.A.	48.0108N	114.3633W	2052	
Blackwell	BLOK	Oklahoma,U.S.A.	36.7606N	97.2150W	301	From 2015-05-27
Blakely	352A	Georgia,U.S.A.	31.4793N	84.9274W	101	From 2012-03-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Blanch	U57A	North Carolina,U.S.A.	36.4319N	79.3364W	178	From 2013-04-21
Blanchard Fire Station	MBFM	California,U.S.A.	37.6785N	120.3630W	309	From 1976-11-03
Blanco	534A	Texas,U.S.A.	30.0284N	98.4753W	461	From 2009-11-06 to 2011-10-05
Blanding	BX-UT	Utah,U.S.A.	37.5633N	109.4347W	1707	From 1963-08-08 to 1964-03-18
Blanding	BX-	Utah,U.S.A.	37.5633N	109.4347W	1707	From 1963-08-08 to 1964-03-18
Blanes	BLAN	Spain	41.6839N	2.7942E	20	From 2017-05-11
Blasjo	BLS1	Norway	59.3910N	6.8270E	1160	From 1986-10-01 to 1991-01-10
Blasjo	BLS5	Norway	59.4229N	6.4560E	540	From 1994-06-20
Blasjo	BLS3	Norway	59.4250N	6.5150E	1130	From 1986-10-01 to 1991-01-10
Blasjo	BLS2	Norway	59.2940N	6.9270E	1190	From 1986-10-01 to 1991-01-10
Blasjo	BLS	Norway	59.3900N	6.4490E	1170	From 1985-01-01 to 2003-04-05
Blauer Lane San Jose	C072	California,U.S.A.	37.2858N	121.7559W	160	From 2013-05-01
Bleialf	BLI	Rheinland-Pfalz,Germany	50.2323N	6.2877E	468	
Blekinge	BLEU	Sweden	56.3040N	15.8145E	90	From 2002-11-05
Blenheim Marlborough Girls College	MGCS	South Island,New Zealand	41.5077S	173.9444E	9	From 2002-02-22
Bleregnies	BLRG	Belgium	50.3562N	3.8979E	129	From 2022-09-07
Blewett	BW-WA	Washington,U.S.A.	47.3803N	120.6533W	884	
Blewett	BW-	Washington,U.S.A.	47.3803N	120.6533W	884	
Blindstream Canyon, Hanna	BSUT	Utah,U.S.A.	40.5365N	110.7612W	3211	From 2012-09-19
Blockade Glacier	BKG	Alaska,U.S.A.	61.0702N	152.2630W	1009	From 1991-07-01
Bloemfontein	BLF	Orange Free State,South Africa	29.1089S	26.1881E	1420	
Bloom-Carroll	BCSO	Ohio,U.S.A.	39.7940N	82.6980W	256	
Bloomer Hill	OBHM	California,U.S.A.	39.6517N	121.4620W	914	From 1975-09-06
Bloomfield	BY-IO	Iowa,U.S.A.	40.7692N	92.4525W	259	
Bloomington	BLO	Indiana,U.S.A.	39.1719N	86.5222W	246	From 1961-12-01
Bloomsburg	BB-	Pennsylvania,U.S.A.	41.1822N	76.5519W	305	From 1962-08-16 to 1962-10-05
Bloomsburg	BB-PA	Pennsylvania,U.S.A.	41.1822N	76.5519W	305	From 1962-08-16 to 1962-10-05
Blossom Village, Little Cayman	LCCY	Cayman Islands	19.6676N	80.0821W	5	From 2011-01-01
Blount Mountain	Y49A	Alabama,U.S.A.	33.8577N	86.4119W	362	From 2011-12-18
Blowhard Mountain	BHU	Utah,U.S.A.	37.5925N	112.8570W	3230	
Blowhole	BHT	Tennessee,U.S.A.	35.8470N	84.9450W	826	From 1981-10-23
Blow River	E29M	Yukon Territories,Canada	68.3889N	137.8969W	324	From 2017-08-19
Blue Bank Bayou	BBTN	Tennessee,U.S.A.	36.3870N	89.4570W	88	
Blue Creek Mtn., Six Rivers Natn. Forest, Johnsons, CA USA	BLCJ	California	41.3936N	123.7633W	1484	From 2021-06-01
Blue Creek Ohio	BCOH	Ohio	41.5026N	83.7920W	197	From 2019-06-11 to 2500-06-10
Bluefields	BLUN	Nicaragua	12.0052N	83.7747W	50	
Bluehnbach	A033A	Austria	47.4797N	13.1260E	827	From 2015-08-27
Blue Jay Drive Morgan Hill	C030	California,U.S.A.	37.1549N	121.6099W	268	From 2009-10-07
Blue Knob State Park, Imler	PABK	Pennsylvania,U.S.A.	40.2665N	78.5837W	482	From 2016-09-13
Blue Knob State Park, Imler	O56A	Pennsylvania,U.S.A.	40.2683N	78.5663W	684	From 2010-11-05
Blue Mesa, Paradox Valley	PV22	Colorado,U.S.A.	38.5352N	108.7873W	1925	
Blue Mountain	BMT	Alaska,U.S.A.	58.0467N	156.3370W	550	From 1975-01-01
Blue Mountain	BLM	Alaska,U.S.A.	58.0467N	156.3370W	550	From 1975-01-01
Blue Mountain Lake	BML	New York,U.S.A.	43.8680N	74.4020W	305	From 1971-09-01 to 1973-10-31
Blue Mountains Array	BMO	Oregon,U.S.A.	44.8525N	117.3060W	1154	From 1962-01-01
Blue Mountain, Wilseyville, CA USA	BLUE	California	38.3657N	120.3458W	1810	
Bluenose Ridge	KBNM	California,U.S.A.	39.8927N	123.1940W	1363	From 1979-11-09
Blue Ridge	Z36A	Texas,U.S.A.	33.2702N	96.4344W	187	From 2010-06-06 to 2012-01-21
Blue Ridge	BRDG	Arizona,U.S.A.	34.6260N	111.1760W	2057	From 1991-01-01
Blue Ridge	BLU	California,U.S.A.	34.4053N	117.7250W	1880	From 1975-02-01 to 2008-02-22
Blue Ridge Broadcasting Company	BRBC	North Carolina,U.S.A.	35.7390N	82.2860W	1976	From 1982-05-26 to 2008-02-13
Blue River	WGB	British Columbia,Canada	52.1023N	119.4650W	2012	From 1984-08-08 to 1986-07-31
Blue River	BLBC	British Columbia,Canada	52.0434N	119.2411W	2362	
Bluff City North Station	KAN05	Kansas,U.S.A.	37.1086N	97.8723W	348	From 2014-08-22
Bluff Creek, North Oklahoma City	BCOK	Oklahoma,U.S.A.	35.6567N	97.6093W	302	From 2013-02-09
Blum	BLMY	New York,U.S.A.	41.3297N	73.9550W	134	
Blu Mesa, N27	NCR27	Colorado	38.4876N	107.3153W	2441	
Blyn Mountain	BLN	Washington,U.S.A.	48.0074N	122.9720W	585	From 1970-07-02
Blythe	BLYC	California,U.S.A.	33.7503N	114.5238W	196	
Blythe	Z55A	Georgia,U.S.A.	33.2211N	82.1359W	100	From 2012-04-06
Blythe	Y12C	California,U.S.A.	33.7503N	114.5238W	196	From 2004-10-08
Blytheville	V44A	Arkansas,U.S.A.	35.8282N	89.8954W	78	From 2011-05-14 to 2013-03-11
Boac	BOAC	Luzon,Philippines	13.4590N	121.8440E	29	
Boaco	BOA1	Nicaragua	12.4872N	85.6945W	734	
Boaco	BOA	Nicaragua	12.4818N	85.7178W	550	From 1975-01-01
BOACO BROADBAND	BOAB	Nicaragua	12.4491N	85.6663W	89	From 1995-02-02
Boa Vista	BOAV	Brazil	2.3953N	60.5225W	114	From 2013-11-11
Boa Vista, Curral Velho	CVBV5	Cape Verde Islands	16.0028N	22.7777W	33	From 2007-12-01 to 2008-09-01
Boa Vista, Fundo de Figueiras	CVBV6	Cape Verde Islands	16.1640N	22.7128W	34	From 2007-12-01 to 2008-09-01
Boa Vista, Rabil	CVBV2	Cape Verde Islands	16.1376N	22.8745W	30	From 2007-12-01 to 2008-09-01
Boa Vista, Sal Rei	CVBV1	Cape Verde Islands	16.1739N	22.9142W	5	From 2007-12-01 to 2008-09-01
Boa Vista, Sao Jorge	CVBV4	Cape Verde Islands	16.0818N	22.8148W	72	From 2007-12-01 to 2008-09-01
Bobandana	BOBN	Democratic Republic of the Congo	1.7063S	29.0132E	1529	
Bobbio (Coli)	BOB	Italy	44.7669N	9.4478E	910	
Bobcaygeon	H53A	Ontario,Canada	44.5736N	78.5832W	292	From 2013-07-21
Bbikon, Wasserreservoir Allmend, AG	BOBI	Switzerland	47.5463N	8.3399E	410	From 2013-12-09
Bob Jauregui Ranch	ABJM	California,U.S.A.	39.1653N	121.1910W	457	From 1976-07-27
Bob, Littlefork	B35A	Minnesota,U.S.A.	48.3603N	93.7261W	358	From 2010-10-19 to 2012-08-07
Bob Quinn	T35M	British Columbia,Canada	56.9811N	130.2496W	609	From 2016-05-08
Bob Quinn Lake	BQB	British Columbia,Canada	57.0227N	130.2400W	1310	From 1981-10-09
Bobrof	AK4	Alaska,U.S.A.	51.8230N	177.4450W	8	
Boac Bosnia and Herzegovina	BOCA2	Bosnia and Herzegovina	44.5078N	17.1630E	308	
Boca de Chavon	ROBI	Dominican Republic	18.4100N	68.8400W	0	
Boca de Quibijan	GNEO	Cuba	20.3273N	74.5930W	558	
BOCANA DE BUA	BOCA	Ecuador	0.0003N	79.6034W	143	From 2016-04-21
Bocatoma Ro Colorado	MT08	Metropolitana	33.4450S	70.0170W	2085	From 2016-08-30
Boca Toma-Volcn Cotopaxi	TOMA	Ecuador	0.4984S	78.4346W	3300	From 2015-07-21
Bocca Nuova	EBCN	Sicily,Italy	37.7521N	14.9858E	3135	From 2009-10-09
Bocca Seriola	CCE3	Italy	43.5170N	12.3548E	750	From 2011-02-08
Bochalema	BLMC	Colombia	7.7068N	72.5993W	996	
Bochum	NE36	Nordrhein-Westfalen,Germany	51.4419N	7.2703E	85	
Bochum	BOC	Nordrhein-Westfalen,Germany	51.4894N	7.2139E	64	From 1907-01-01
Bochum--University	BUG	Nordrhein-Westfalen,Germany	51.4406N	7.2693E	85	From 1971-10-01
Bockfliess	A002B	Austria	48.3629N	16.5942E	187	From 2016-06-14
Bocsa	PKS6	Hungary	46.5998N	19.5645E	120	
Bodaibo	BOD	Irkutskaya Oblast',Russia	57.8189N	114.0039E	245	
Bodega del ICE en Pailas	GPS3	Costa Rica	10.7547N	85.3650W	639	From 2000-01-01
Bodenheim	BODE	Rheinland-Pfalz	49.9111N	8.2972E	-115	From 2016-04-30
Bodie	BODR	California,U.S.A.	38.1628N	118.9702W	2195	
Bodon	BDN	Buryatiya,Russia	53.7000N	110.1100E	490	From 1969-01-01 to 1984-12-31
Bodoquena, MS	BDQN	Brazil	20.4487S	56.7497W	180	From 2016-08-10
Bodos	BOSR	Romania	46.0749N	25.6611E	595	From 2017-11-15
Bodrum	BODT	Turkey	37.0621N	27.3104E	379	From 2005-02-14
Bodrum-MUGLA	BODM	Turkey	37.0310N	27.4246E	0	From 2020-02-06
Bodrum, Mula	BODA	Turkey	37.0348N	27.4303E	10	From 2019-09-12
Boeing Everett	BEVT	Washington,U.S.A.	47.9200N	122.2700W	170	
Boeing Fire Protection	BSFP	Washington,U.S.A.	47.5200N	122.2983W	5	From 2004-07-07
Boeun	KSBON	Republic of Korea	36.5000N	127.8000E	332	From 2005-11-02
Bogazkoy	BGKT	Turkey	41.1810N	28.7730E	80	From 2002-01-01
Bogda	RO25A	Romania	45.9792N	21.5762E	165	From 2023-03-25
Bogdanovka	BGD	Georgia,Georgia	41.2645N	43.5986E	1978	From 1954-01-01
Bogesund	BOGU	Sweden	59.4051N	18.1627E	18	From 2019-11-28
Boggs Farm, Caney	T36A	Kansas,U.S.A.	37.0605N	95.8789W	243	From 2010-05-07 to 2012-03-02
Boggs Mountain	GBGM	California,U.S.A.	38.8140N	122.6790W	1125	From 1975-06-26
Boggy Peak	BPA	Antigua,Antigua and Barbuda	17.0460N	61.8570W	396	From 1980-07-09
Bogijuda	BOGI	Tajikistan	38.7130N	68.1572E	2441	From 1991-02-03
Bogi-Zagon	BZN	Tajikistan	38.4800N	69.8200E		
Bogner Ranch, Nez Perce	E11A	Idaho,U.S.A.	46.3559N	116.2092W	831	From 2006-11-13 to 2008-06-06
Bogoin	BGCA	Central African Republic	5.1761N	18.4242E	576	
Bogong Mts	BOV	Victoria,Australia	36.8078S	147.2270E	700	From 1963-01-01 to 1972-08-09
Bogota	BOG	Colombia	4.6231N	74.0650W	2658	From 1941-09-01
Bogota	BOCO	Colombia	4.5869N	74.0433W	3137	From 1977-12-01
Bogota, SGC	CBOG1	Colombia	4.6410N	74.0800W	2584	From 1995-11-28
Bohocortia	BOH	Aquitaine,France	43.1027N	1.0117W	1150	
Bohunice	BHC	Czech Republic	48.5786N	17.5289E	0	
Boiestown	BOIN	New Brunswick,Canada	46.4628N	66.4067W	86	From 2007-06-26
Boilermakers Shaker, Crown Point	M45A	Indiana,U.S.A.	41.3881N	87.2504W	216	From 2011-10-23
Boina - YZ	BOSE	Ethiopia	12.6420N	40.5243E	725	
Boina - YZ	BOOE	Ethiopia	12.6752N	40.5230E	735	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Boina - YZ	BOVE	Ethiopia	12.6570N	40.5211E	757	
Boischatel	BCLQ	Quebec,Canada	46.9262N	71.1728W	180	From 2007-11-02
Bois d'Agland	BGF	Auvergne,France	46.5578N	2.8464E	390	
Boise	BSE	Idaho,U.S.A.	43.6500N	116.0920W		From 1975-05-01
Boisen	BOI	New Britain,Papua New Guinea	4.1878S	152.1990E	18	
Bois Riant Capesterre	BCG	Guadeloupe,France	16.0850N	61.6197W	442	
Boistfort Mountain	BMW	Washington,U.S.A.	46.4750N	123.2280W	870	
Bojanci	BOJS	Slovenia	45.5040N	15.2520E	256	From 2004-03-01
Bojichen	BG19A	Bulgaria	43.7176N	25.9561E	81	From 2022-06-17
Bojnord	BJNR	Iran	37.4833N	57.3846E	1097	From 2002-05-22
Bojnord	BJND	Iran	37.2665N	57.3972E	2209	From 2019-10-10
Bojnurd	BJRD	Iran,Iran	37.7000N	57.4080E	1337	
Bojnurd	BJMA	Iran	37.9000N	55.9500E	0	
Bokaro	BOK	Bihar,India	23.7948N	85.8858E	282	
Bokaro	BOKR	Bihar,India	23.7948N	85.8859E	282	
Bokissa	VBOKI	Vanuatu	15.5924S	167.2430E	4	
BOKO	BOKO	Assam,India	25.9700N	91.2426E	50	From 2012-01-01
Bokod	BOKD	Hungary	47.4889N	18.2517E	150	
Bokosso	BKO	Cameroon	4.4181N	9.1411E	380	From 1985-02-13
Bolaang Mongondow	TBMCM	Indonesia	0.7140S	124.5902E	242	From 2020-12-31
Bolckow	O36A	Missouri,U.S.A.	40.1315N	94.9645W	306	From 2010-05-18 to 2012-03-14
Blcske	A272A	Hungary	46.7444N	18.9654E	170	From 2016-01-13
Bolero	BOLE	Malawi	10.9796S	33.7426E	1109	From 2014-07-14 to 2015-11-04
Bolinao	BOLP	Luzon,Philippines	16.3810N	119.9130E	71	
Bolinger Road	LT16	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Bolinger Road	BGC	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Bolinger Road	CBRM	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Bolivar	S39A	Missouri,U.S.A.	37.6910N	93.3226W	331	From 2010-12-12 to 2012-10-26
Bolivia	Y60A	North Carolina,U.S.A.	34.0046N	78.2163W	7	From 2013-02-27
Boljevac	BOLS	Serbia	43.8289N	21.9532E	267	From 2002-06-21
Bollwiller	STBO	France	47.8609N	7.2622E	240	From 2006-06-08
Bologna	BOL	Italy	44.4867N	11.3290E	80	
Bolognola (MC)	T1256	Italy	43.0063N	13.2260E	1535	From 2016-08-30 to 2017-08-31
Bol'shaya Rechka	BLRR	Krasnoyarskiy Kray,Russia	53.0383N	92.4282E	558	From 2005-02-23
Bolshoi Rechka	BRHS	Buryatiya,Russia	52.0000N	106.4000E	459	
Bolshoye Goloustnoye	BGT	Irkutskaya Oblast',Russia	52.0453N	105.4070E	466	From 2011-06-14
BOLU	KIBS	Turkey	40.4197N	31.8524E	1199	From 2013-01-31
Bolu-Merkez-Musluklar	BOLU	Turkey	40.7792N	31.6766E	907	From 2017-03-17
Bolvadin	BOLV	Turkey	38.7183N	30.9502E	1303	From 2007-05-30 to 2014-09-29
Bolvadin-AFYON	BLVD	Turkey	38.7946N	31.0950E	1220	From 2019-07-09
Bolzano	BLZN	Italy	46.4917N	11.3920E	384	From 2019-02-19
Bolzano	BOSI	Italy	46.4952N	11.3185E	242	From 2006-12-13
Bolzano	BLZ	Italy	46.5049N	11.3468E	280	From 1971-05-06
Bolzano, San Nicolo, Ultimo	A290A	Italy	46.5068N	10.9028E	1729	From 2015-11-12
Bombay	BOM	Maharashtra,India	18.8976N	72.8127E	16	
Bombay Beach	BOMB	California,U.S.A.	33.3646N	115.7296W	-54	From 2009-02-10
Bombay Beach	5271	California,U.S.A.	33.3526N	115.7332W	-96	From 1996-06-05 to 2014-03-27
Bomdila	BMI	Arunachal Pradesh,India	27.2675N	92.4230E	2700	From 1983-07-01
Bomnak	BMKS	Amurskaya Oblast',Russia	54.7000N	128.9000E	310	
Bomnak	BMKR	Amurskaya Oblast',Russia	54.7110N	128.8420E	342	
Bom Sucesso	BSCB	Minas Gerais,Brazil	20.9977S	44.7737W	870	
Bomura	BHOK	Shiga,Japan	35.2447N	135.8728E	380	
Bonanza	DCA1	Alberta,Canada	56.0317N	119.9319W	485	
Bonanza Creek NPS repeater	N19K	Alaska,U.S.A.	60.8132N	154.4838W	1144	From 2015-06-13
Bonanza King	LBKM	California,U.S.A.	41.0842N	122.6650W	1341	
Bonao	BON1	Dominican Republic	18.9423N	70.3955W	181	From 2011-06-15
Bondeno (FE)	T0805	Italy	44.9187N	11.3226E	4	From 2012-05-21 to 2012-08-27
Bonds Corner	BON	California,U.S.A.	32.6945N	115.2690W	14	From 1973-04-16 to 2008-02-22
Bone	BNSI	Sulawesi,Indonesia	4.4005S	120.1065E	0	From 2007-12-01
Bone	J16A	Idaho,U.S.A.	43.2741N	111.6119W	2004	From 2007-07-25 to 2009-05-10
BONG	BONG	Costa Rica	9.7535N	85.2078W	26	From 1999-12-07 to 2000-06-17
Bongao, Tawi-Tawi	BTTP	Mindanao	5.0240N	119.7660E	65	From 2016-11-16
BONGHWA	KSCHY	Republic of Korea	36.9378N	128.9167E	321	From 2000-11-22
BONIFATI	BNF	Italy	39.5845N	15.8909E	0	From 2008-01-30
Bonilla	BNAB	British Columbia,Canada	53.4933N	130.6370W	16	From 1987-12-04
Bonnechere River Park	BRPO	Ontario,Canada	45.6506N	77.5061W	170	
Bonneval	BOF	Rhone-Alpes,France	45.3540N	7.0300E	1800	From 1981-07-01
Bonnie Rock 4	BR4	Western Australia	30.6481S	118.3267E	320	From 2017-01-01
Bonny Gate	BNJ	Jamaica	18.3210N	76.9510W	485	
Bonnylands	HBL2	England,United Kingdom	52.0508N	3.0384W	400	From 1991-01-01
Bonto Bahari	BBBCM	Indonesia	5.5772S	120.4481E	146	From 2020-12-31
Bontocani, Sulawesi Selatan	BBCM	Indonesia	5.0392S	120.0580E	546	From 2019-01-01
Book Cliffs East	BCE	Utah,U.S.A.	39.6131N	110.4084W	2666	
Boomskoye uschel'e	BOOM	Kyrgyzstan	42.4900N	75.9400E	1737	From 2010-06-05
Boondooma	BOON	Queensland,Australia	26.0951S	151.4521E	370	
Boondooma Dam	BDMQ	Queensland,Australia	26.1123S	151.4440E	320	
Booneville	X46A	Mississippi,U.S.A.	34.5564N	88.5844W	150	From 2011-12-08
Boonville, CA	BONV	California	38.9875N	123.3484W	278	From 2018-09-01
Boorowa	BWA	New South Wales,Australia	34.4250S	148.4180E	656	From 1971-01-01
Boothbay	I64A	Maine,U.S.A.	43.9197N	69.6347W	17	From 2013-09-26
Boqe	ST04	Xizang Zizhiqu,China	30.9593N	90.1925E	4736	From 1998-07-16 to 1999-06-01
Boqueron	BOQS	El Salvador	13.7350N	89.2800W	1830	From 1991-12-01
Boqueroncito, PIR3	CPIR3	Colombia	4.9073N	75.2848W	4385	
Boquete	WILLF	Panama	8.7505N	82.4353W	1131	
Boquete Panama	BQTLY	Panama	8.7580N	82.4610W	1291	
Boquillas Ranch, Navajo N., Peach Springs	V14A	Arizona,U.S.A.	35.6339N	113.1053W	1731	From 2007-03-09 to 2008-11-07
Boraas	BORU	Sweden	57.6345N	12.7697E	175	From 2006-08-04
Boracho Peak	MT1	Texas,U.S.A.	30.9289N	104.3910W	1714	From 1977-06-01 to 2003-01-28
Borbona	RM20	Italy	42.5249N	13.1264E	804	From 2009-04-09 to 2009-08-26
Bor- Borsko jezero Serbia	BORS2	Serbia	44.0904N	22.0176E	440	
Borcka	BCA	Turkey	41.4450N	41.6223E	500	
Borcka	DBOC	Turkey	41.3453N	41.6666E	615	From 2007-09-24
Bordano	BORI	Italy	46.3200N	13.1000E	444	From 1977-05-09
Bordano	BOO	Italy	46.3200N	13.1000E	444	From 1977-05-09
Bordesti	BRD	Romania	45.5536N	27.0288E	356	
Bordj Sabath	CBST	Algeria,Algeria	36.4070N	7.0990E	916	
Borealis Mine area, Hawthorne	TVH2	Nevada,U.S.A.	38.3782N	118.7564W	2174	
Borgarnes	BORG	Iceland	64.7474N	21.3268W	110	From 1994-07-31
Borgo	BL1	Italy	43.9802N	11.4342E		From 1977-11-01
Borgo	BSL	Italy	43.9802N	11.4342E		From 1977-11-01
Borgo Fazio	T1581	Italy	37.8533N	12.6878E	270	From 2020-09-23 to 2020-11-24
BORGO FONDO RENO	FEM3	Italy	44.8243N	11.5472E	-138	From 2020-08-10
BORGO OTTOMILA 2	BTT2	Italy	41.9983N	13.5431E	0	From 2009-08-19
Borgo San Lorenzo	BOSL	Italy	43.9400N	11.3800E	374	From 2007-02-02
Borgo Val di Taro	BVT	Italy	44.4864N	9.7750E	0	From 1975-09-01 to 1991-12-31
Borinquen Arriba	GB1A	Costa Rica	10.8185N	85.3983W	881	From 2000-01-01
Borland Lodge	BRZ	South Island,New Zealand	45.7776S	167.5388E	190	From 1979-08-22 to 1990-08-02
Borlesti	RO34A	Romania	46.4139N	22.9964E	998	From 2022-09-12
Bormio	BRMO	Italy	46.4761N	10.3731E	1380	
Bormio	BORM	Italy	46.4694N	10.3764E	1235	From 2006-11-29
Bornholm Skovbrynet	BSD	Denmark	55.1139N	14.9147E	88	From 1990-03-01
Bornova	KDAG	Turkey	38.4028N	27.2667E	997	From 1999-07-01
Borolday	BRLS	Kazakhstan	43.0300N	69.8360E	590	From 1989-10-30
Borongan	BESP	Samar,Philippines	11.6010N	125.4380E	48	
Borongxiang, Xizang Zizhiqu	XIXI	Xizang Zizhiqu,China	28.7408N	85.6903E	4660	From 2002-07-15 to 2002-11-01
Borovoye	BRVK	Kazakhstan	53.0581N	70.2828E	315	From 1994-09-01
Borovoye	BORK	Kazakhstan	53.0461N	70.3184E	290	From 2019-09-15
Borovoye Array Beam Reference Point	BVAR	Kazakhstan	53.0249N	70.3885E	420	From 2002-07-06
Borovoye Array Site A0	BVA0	Kazakhstan	53.0249N	70.3885E	420	From 2002-07-06
Borovoye Array Site A1	BVA1	Kazakhstan	53.0249N	70.3886E	420	From 2002-07-06
Borovoye Array Site A2	BVA2	Kazakhstan	53.0189N	70.3912E	434	From 2002-07-06
Borovoye Array Site A3	BVA3	Kazakhstan	53.0268N	70.3785E	437	From 2002-07-06
Borovoye Array Site A4	BVA4	Kazakhstan	53.0290N	70.3963E	405	From 2002-07-06
Borovoye Array Site B5	BVB5	Kazakhstan	53.0247N	70.3662E	387	From 2002-07-06
Borovoye Array Site B6	BVB6	Kazakhstan	53.0361N	70.3762E	401	From 2002-07-06
Borovoye Array Site B7	BVB7	Kazakhstan	53.0379N	70.3950E	435	From 2002-07-06
Borovoye Array Site B8	BVB8	Kazakhstan	53.0216N	70.4108E	419	From 2002-07-06
Borovoye Array Site B9	BVB9	Kazakhstan	53.0123N	70.3857E	512	From 2002-07-06
Borrego Mountain	BRGC	California,U.S.A.	33.1712N	116.1740W	219	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Borrego Springs	BORC	California,U.S.A.	33.2682N	116.4172W	252	
Borroloola	BOXOZ	Northern Territory	16.0546S	136.3021E	42	From 2018-07-16
Bors	BORR	Romania	47.0902N	21.7856E	190	From 2015-11-23
Borschemich	BD11	Nordrhein-Westfalen,Germany	51.0823N	6.4302E	100	From 2001-01-01 to 2011-11-01
Borseda	BORS	Italy	44.2450N	9.8258E	510	From 1991-01-01 to 1999-08-25
Boryeong	PORA	Republic of Korea	36.3278N	126.5575E	0	From 2012-10-05
Boryeong	KSPOR	Republic of Korea	36.3212N	126.5557E	15	From 2000-02-18
Borzhomi	BOR	Georgia,Georgia	41.8333N	43.3833E	794	
Bosco di Aci (S. Maria La Stella)	EBDA	Sicily	37.6335N	15.1223E	349	From 2016-05-26
Bosco Santo Pietro	HBSP	Sicily,Italy	37.1270N	14.4920E	254	From 2012-05-22
Boseong-gun	BOSB	Republic of Korea	34.7634N	127.2121E	-52	From 2012-10-18
Boshof	BOSA	South Africa	28.6137S	25.2560E	1200	From 1993-01-01
BOSHOF INFRASONIC ARRAY REFERENCE POINT	I47ZA	Orange Free State,South Africa	28.6211S	25.2352E	1306	From 2005-11-08
Bosilegrad	BOSS	Serbia	42.4961N	22.4800E	446	From 2010-08-04
Boslevi	BGLV	Georgia,Georgia	42.1740N	43.1828E	1046	From 2007-10-19
Bosley Butte	KBO	Oregon,U.S.A.	42.2123N	124.2260W	1008	
Boso 1	BSO1	Honshu,Japan	34.6535N	140.9780E	-4011	From 1988-01-01
Boso 2	BSO2	Honshu,Japan	34.7513N	140.7545E	-2090	From 1988-01-01
Boso 3	BSO3	Honshu,Japan	34.8017N	140.5103E	-1898	From 1988-01-01
Boso 4	BSO4	Honshu,Japan	34.9900N	140.3380E	-658	From 1988-01-01
Bosque Alegre	BOS	Cordoba,Argentina	31.5983S	64.5458W	1200	
Bosque de Chapultepec	MHVM	Mexico D.F.	19.4078N	99.2090W	2329	
Bossay-sur-Claise - 37028 - Indre-et-Loire - France	BSCF	Centre	46.8044N	0.9823E	116	From 2019-10-22
Bostanabad	IBST	Iran	37.7000N	46.8920E	2100	From 1995-08-01
Boston College	BCX	Massachusetts,U.S.A.	42.3350N	71.1705W	61	
Botanikuri	BTNK	Georgia,Georgia	41.6832N	44.7988E	570	From 2011-12-27
Bothatogo	UBOT	Botswana	20.5400S	22.7400E	956	From 2001-01-01 to 2100-12-31
Bothel	BBO1	Scotland,United Kingdom	54.7367N	3.2464W	209	From 1992-01-01
Botiquin	BOTV	Venezuela	10.4037N	67.2167W	2375	From 2004-04-04
Botkins High School	BHSO	Ohio,U.S.A.	40.4690N	84.1790W	304	
Botlikh	BTLR	Dagestan,Russia	42.6639N	46.2222E	870	
Botosani	RO39A	Romania	47.7358N	26.6460E	158	From 2022-08-25
Botosani	BTS2	Romania	47.7518N	26.6484E	162	From 2015-09-22
Botticino	BOTT	Italy	45.5494N	10.3095E	200	From 2009-10-27
Botticino Mattina	BOTM	Italy	45.5413N	10.3211E	156	From 2014-11-14
Botticino - San Gallo	SGAL	Italy	45.5636N	10.3106E	460	From 2019-07-01
Bottle Rock Power	BRP	California,U.S.A.	38.8549N	122.7971W	905	
Bou Andas	CBND	Algeria	36.5275N	5.1255E	1575	
Bouclans	BOUC	Franche Comte	47.2469N	6.2561E	458	From 2014-11-20
Bouganvilia	BVG	Guatemala	14.1080N	90.9397W	45	From 1978-06-01 to 1987-11-09
Bougara	EBGR	Algeria	35.5644N	1.9356E	904	
Bougnies	BBOU	Belgium	50.3888N	3.9447E	80	From 1985-03-29 to 2021-10-18
Bougous	CBOGS	Algeria	36.7070N	8.4160E	207	
Bouguenais - site IFSTTAR	BOUF	Pays de la Loire	47.0963N	1.3829W	13	From 2016-01-15
Bouhanifia	ODJA	Algeria	35.3300N	0.1500W	645	From 2004-04-01
Boujaaouane	BOJ	Morocco	32.0310N	9.0680W	300	
Boulbra	BBA	Morocco	31.9120N	9.4710W		
Boulder	BO1	Colorado,U.S.A.	40.0128N	105.2520W	1669	
Boulder	BDC	Colorado,U.S.A.	40.0050N	105.1581W	1625	
Boulder	BDW	Wyoming,U.S.A.	42.7762N	109.5680W	2190	From 1977-06-20 to 1986-07-01
Boulder	BOU	Colorado,U.S.A.	40.0083N	105.2710W	1654	From 1953-12-01 to 1968-12-31
Boulder Array	PD06	Wyoming,U.S.A.	42.7667N	109.5580W	2224	From 1986-07-18
Boulder Array Site 6	BW06	Wyoming,U.S.A.	42.7667N	109.5583W	2224	From 1986-07-18
Boulder City	BCN	Nevada,U.S.A.	35.9808N	114.8340W	776	From 1938-02-01 to 1975-06-30
Boulder Dam	BDA	Arizona,U.S.A.	36.0154N	114.7370W	237	From 1941-04-01 to 1961-12-31
Boulder Hill, Kettleman City	V05C	California,U.S.A.	35.8667N	119.9028W	118	From 2005-04-11 to 2007-12-07
Boul. des Capuccins MTQ1	CAPQ	Quebec	46.8225N	71.2193W	3	From 2017-03-01
Boumerdes	ABMS	Algeria	36.7500N	3.4800E	97	From 2004-05-01
Boundary Peak	BNPN	Nevada,U.S.A.	37.9885N	118.3020W	2438	
Boundary Peak	BONR	Nevada,U.S.A.	37.9552N	118.3020W	2582	From 1974-07-01
Bountiful Peak	BPU	Utah,U.S.A.	40.9542N	111.8170W	2652	From 1974-10-01 to 1975-03-31
Bourheim	BD12	Nordrhein-Westfalen,Germany	50.9020N	6.3220E	-77	From 2004-08-01 to 2008-12-04
Bourrignon	BOURR	Switzerland	47.3938N	7.2302E	860	From 1998-09-01
Bouzov	A087A	Czech Republic	49.7049N	16.8893E	430	From 2015-09-19
Bova Marina (RC)	FX14	Italy	37.9286N	15.9070E	21	From 2021-12-22 to 2023-06-14
Bovan	BOVS	Serbia	43.6351N	21.7057E	223	From 2009-11-03
BOVINO	BVN	Italy	41.2490N	15.3422E	0	From 2009-12-21
Bowen Hard, QLD	BW1H	Queensland	20.0045S	148.2361E	63	From 2012-08-01
Bowen Island	BOIB	British Columbia	49.3903N	123.3788W	470	From 2021-03-21
Bowen Island	BIB	British Columbia,Canada	49.4060N	123.3060W	37	From 1983-01-20
Bowen Ranch, Douglas	K23A	Wyoming,U.S.A.	42.7546N	105.6251W	1612	From 2008-11-17 to 2010-09-09
Bowen Soft Rock	BW2S	Queensland,Australia	19.9984S	148.2230E	23	From 2012-08-03
Bowen St Turnbull House Wellington	BOWS	North Island,New Zealand	41.2792S	174.7763E	13	From 2014-03-17
Bowe Ranch, Endee	W27A	New Mexico,U.S.A.	35.0637N	103.0627W	1233	From 2008-05-09 to 2010-03-17
Bowland	LBO	England,United Kingdom	53.9789N	2.5728W	320	From 1989-01-01
Bowling Green	BGKY	Kentucky,U.S.A.	37.0055N	86.5232W	240	
Bowling Green	BGO	Ohio,U.S.A.	41.3781N	83.6592W	212	From 1963-09-01
Bowling Green	T48A	Kentucky,U.S.A.	37.1094N	86.3943W	218	From 2011-11-19
Bowling Green Firelands Ohio	BGOH	Ohio	41.3965N	82.5987W	194	From 2019-09-25 to 2500-12-31
Bowling Green State University	BGSO	Ohio,U.S.A.	41.3812N	83.6404W	208	
Bowman	BOW	South Carolina,U.S.A.	33.3736N	80.6431W	35	From 1977-10-23
Bowman	F25A	South Dakota,U.S.A.	45.9256N	103.4576W	912	From 2009-07-11 to 2011-06-23
Bowman	Z57A	South Carolina,U.S.A.	33.2970N	80.7039W	81	From 2013-02-20
Bowman Hall	BHKY	Kentucky,U.S.A.	38.0350N	84.5050W	306	
Box Canyon	BOX	Nevada,U.S.A.	39.6153N	118.1763W	1283	
Box Lake	BOXN	Northwest Territories,Canada	63.8521N	109.7169W	436	
Boyabat	BYBT	Turkey	41.4685N	34.7667E	85	From 1996-10-10
Boyabat	BOYT	Turkey	41.4206N	34.9036E	660	From 1994-05-01
Boyalica	BOY	Turkey	40.4867N	29.5573E	30	From 1994-01-01
Boyer Ranch	BYX	Nevada,U.S.A.	39.9542N	117.9178W	1128	
Boyers Landing	BOYR	California	38.9851N	121.7960W	11	From 2022-09-21
Bozab	IBZA	Iran	34.4696N	47.8605E	2343	From 2004-01-01
Bozburun-Marmaris	BBRN	Turkey	36.6796N	28.0587E	194	From 2013-01-16 to 2013-12-01
Bozcaada	BOZC	Turkey	39.8419N	26.0528E	202	From 2003-10-16
Bozcaada-Canakkale	BOZD	Turkey	39.8314N	26.0705E	39	From 2011-03-27
Bozeman	BZM	Montana,U.S.A.	45.6669N	111.0450W	1490	From 1931-05-01 to 1968-03-31
Bozeman	BZE	Montana,U.S.A.	45.8060N	110.9330W	244	From 1974-01-01 to 1977-05-31
Bozeman Pass	BZMT	Montana,U.S.A.	45.6482N	110.7967W	1905	
Bozeman (W)	BOZ	Montana,U.S.A.	45.5970N	111.6297W	1592	From 1999-11-13
Bozkurt	BZK	Turkey	41.9600N	34.0035E	70	From 1992-07-01
Bozkurt, nceler, Denizli	INCE	Turkey	37.7091N	29.5753E	1026	From 2017-12-14
Bozok Univ. Merkez-YOZGAT	YOZG	Turkey	39.7802N	34.7959E	1370	From 2017-12-19
Bozova	ATAB	Turkey	37.4696N	38.2949E	551	From 2005-06-24
BOZOYUK	AUBOZ	Turkey	39.9106N	30.0325E	825	From 2010-01-27
Bozvelijsko	BOZV	Bulgaria	43.1044N	27.4785E	34	From 2006-06-09
Bozyazi-Mersin	BOZY	Turkey	36.1068N	32.9763E	9	From 2011-09-02
Bozzolo	BOZZ	Italy	45.1071N	10.4820E	26	From 2019-06-11
Bozzolo	BOZL	Italy	45.0995N	10.4798E	59	From 2021-02-17
Bozzolo (MN)	A312A	Italy	45.1074N	10.4817E	29	From 2015-12-30
Braaten, Kindred	E32A	North Dakota,U.S.A.	46.5927N	97.0701W	297	From 2010-08-10 to 2012-06-08
Brabster	OBR	Scotland,United Kingdom	58.6142N	3.1623W	89	From 1995-09-21
Bracchio, cimitero	DIV04	Italy	45.9661N	8.4539E	321	From 2021-10-12 to 2025-12-31
Bracie Corner	BRCN	New York,U.S.A.	44.4275N	75.5830W	83	
Bradely Ranch, Valier	B15A	Montana,U.S.A.	48.3129N	112.5619W	1222	From 2007-09-11 to 2009-08-14
Bradley, CA USA	BRAD	California	35.9263N	120.7608W	462	From 2021-05-01
Bradley Lake	BRLK	Alaska,U.S.A.	59.7642N	150.8860W	631	From 1980-11-28
Bradley Lake NE	BRNE	Alaska,U.S.A.	59.9108N	150.6520W	1219	From 1980-10-12 to 1984-06-29
Bradley Lake NW	BRNW	Alaska,U.S.A.	59.8375N	151.1690W	582	From 1980-10-03 to 1984-06-29
Bradley Lake SE	BRSE	Alaska,U.S.A.	59.7417N	150.7414W	541	From 1980-10-10
Bradley Lake SW	BRSW	Alaska,U.S.A.	59.6410N	151.0450W	951	From 1980-10-12 to 1984-06-29
Brady	BRDY	Texas,U.S.A.	31.2859N	98.9994W	460	From 2017-02-15
Braeburn, Yukon	N31M	Yukon Territory,Canada	61.4862N	135.7796W	716	From 2015-10-14
Braganca	PBRG	Portugal	41.8048N	6.7413W	691	From 1995-06-01
Braggadocio	BRGM	Missouri,U.S.A.	36.2047N	89.8585W	78	
Braida Crags	BCZ	South Island,New Zealand	46.0051S	167.8398E	120	From 1990-05-28 to 1993-07-17
Braila	BRL2	Romania	45.2738N	27.9771E	23	From 2015-10-22
Brajici-Budva	BUM	Montenegro	42.3007N	18.8936E	822	From 2003-06-02
Brakfontein	BRAK	South Africa	31.7810S	22.8940E	900	From 2016-08-15
Branch Mountain	BCH	California,U.S.A.	35.1850N	120.0840W	1140	From 1976-08-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Brandywine Creek State Park	BWD	Delaware,U.S.A.	39.7994N	75.5767W	62	From 1985-02-01
Branistea	BRAG	Romania	45.4425N	27.8331E	63	From 2013-10-23
Brankovina	VVOS	Serbia	44.3518N	19.9047E	0	
Brasilia	BDFB	Distrito Federal,Brazil	15.6412S	48.0141W	1095	From 1993-06-01
Brasilia	BAE	Distrito Federal,Brazil	15.8411S	47.8200W	1200	From 1968-01-03 to 1970-12-21
Brasilia Array	BCS*	Distrito Federal,Brazil	15.7660S	48.0388W	1255	From 1966-11-17 to 1970-12-21
Brasilia Array Centre Point	BAO	Distrito Federal,Brazil	15.6349S	47.9915W	1211	
Brasilia Array Site E1	BAE1	Distrito Federal,Brazil	15.6426S	47.9689W	1170	
Brasilia Array Site E2	BAE2	Distrito Federal,Brazil	15.6501S	47.9469W	1110	
Brasilia Array Site E3	BAE3	Distrito Federal,Brazil	15.6569S	47.9261W	1150	
Brasilia Array Site E4	BAE4	Distrito Federal,Brazil	15.6642S	47.9031W	1258	
Brasilia Array Site E5	BAE5	Distrito Federal,Brazil	15.6725S	47.8809W	1260	
Brasilia Array Site EE	BAEE	Distrito Federal,Brazil	15.7386S	47.6200W	1200	From 1971-01-01
Brasilia Array Site S1	BAS1	Distrito Federal,Brazil	15.6561S	47.9997W	1145	
Brasilia Array Site S2	BAS2	Distrito Federal,Brazil	15.6779S	48.0070W	1060	
Brasilia Array Site S3	BAS3	Distrito Federal,Brazil	15.6986S	48.0146W	1120	
Brasilia Array Site S4	BAS4	Distrito Federal,Brazil	15.7191S	48.0223W	1140	
Brasilia Array Site S5	BAS5	Distrito Federal,Brazil	15.7420S	48.0304W	1150	
Brasilia Array Site SE	BASE	Distrito Federal,Brazil	15.9572S	48.0706W	1200	From 1971-01-01
Brasilia Array Site W1	BAW1	Distrito Federal,Brazil	15.6282S	48.0129W	1150	
Brasilia Array Site W2	BAW2	Distrito Federal,Brazil	15.6214S	48.0186W	1200	
Brasilia Array Site W3	BAW3	Distrito Federal,Brazil	15.6126S	48.0575W	1265	
Brasilia Array Site W4	BAW4	Distrito Federal,Brazil	15.6053S	48.0794W	1200	From 1971-01-01
Brasilia Array Site WE	BAWE	Distrito Federal,Brazil	15.5909S	48.1139W	1340	From 1971-01-01
BRASILIA INFRASONIC ARRAY REFERENCE POINT	BBR	Distrito Federal,Brazil	15.6380S	48.0164W	1185	From 2001-06-20
Brasilia (W)	BDF	Distrito Federal,Brazil	15.6638S	47.9033W	1260	From 1970-12-22
Brasimone	BRME	Italy	44.1293N	11.1176E	851	
Brasnorte	PAR2	Mato Grosso	12.0982S	58.3334W	374	From 2015-05-23
Brasopolis	BRAS	Minas Gerais,Brazil	22.5353S	45.5854W	1850	From 1986-03-12
Brasov	BRS4	Romania	45.6575N	25.5967E	561	From 2015-09-10
Brasov	ZOBR	Romania	45.6131N	25.6347E	634	From 2019-04-23
Brasstown Bald	BBG	Georgia,U.S.A.	34.8740N	83.8110W	1355	From 1982-01-27 to 2008-02-13
Bratislava	BRA	Slovakia	48.1683N	17.1050E	270	
Bratislava	ZST	Slovakia	48.1961N	17.1025E	250	From 1976-07-01
Bratogost	BRY	Montenegro	42.9016N	18.5389E	1407	From 1983-12-25
Braunhartsberg	BHBD	Baden-Wurttemberg,Germany	48.2466N	9.0030E	920	From 1982-01-01
Brava	BRBL	Cape Verde Islands	14.8567N	24.6842W	559	
Brava	BRCV	Cape Verde Islands	14.8787N	24.6982W	552	
Brava	BRBZ	Cape Verde Islands	14.8365N	24.7190W	766	
Brava--Cachaco	BCCH	Cape Verde Islands	14.8322N	24.6936W	660	
Brava, Campo Baixo	CVBR2	Cape Verde Islands	14.8493N	24.7215W	605	From 2007-12-01 to 2008-09-01
Brava, Lem	CVBR1	Cape Verde Islands	14.8804N	24.6979W	455	From 2007-12-01 to 2008-09-01
Brawley, BR2	BR2MX	California	32.9790N	115.5490W	-32	
Breckenridge Mountain	WBMM	California,U.S.A.	35.4510N	118.5830W	2292	
Bredaryd	BYD	Sweden	57.0590N	13.1630E	152	From 1980-01-01 to 1991-12-31
Bredtraesk	BREU	Sweden	63.8908N	18.5777E	100	From 2000-04-28
Breisach am Rhein	BREI	Baden-Wurttemberg	48.0329N	7.5868E	192	From 2015-09-01
Breislack	LKG	Guadeloupe,France	16.0447N	61.6583W	1380	
Bremgarten	BREM	Baden-Wurttemberg,Germany	47.9102N	7.6268E	210	From 2001-01-24
Bremner River	BMRM	Alaska,U.S.A.	60.9677N	144.6051W	842	From 1979-09-12
Brena Baja,La Palma	CBRE	Canary Islands	28.6274N	17.7914W	575	From 2018-04-03
Breno	BNO	Italy	45.9484N	10.2904E	441	From 2013-01-16
Bren. E. de Neily	BRNON	Panama	8.6270N	82.8120W	702	
Brentwood	TBW	England,United Kingdom	51.6549N	0.2911E	82	From 1989-01-01
Bressanone	BRES	Italy	46.6987N	11.7341E	2454	From 2002-05-01
Brest	BST	Bretagne,France	48.3020N	4.0627W	288	From 1983-03-01
Brest	NE54	Belarus	52.5680N	23.8610E	200	
Bretten	BRET	Baden-Wurttemberg,Germany	49.0122N	8.6881E	268	From 2011-10-26
Brettingsstaoir	IBRE	Iceland	66.1230N	17.9100W	41	From 2001-01-25
Brewton	BRAL	Alabama,U.S.A.	31.1687N	87.0506W	61	From 2006-07-14
Brewton	BO-	Alabama,U.S.A.	31.1697N	86.8597W	76	From 1965-12-02 to 1965-12-13
Brewton	BO-AL	Alabama,U.S.A.	31.1697N	86.8597W	76	From 1965-12-02 to 1965-12-13
Brezje pri Sen	KBZS	Slovenia	45.9400N	15.4390E	217	
Brgy. Gulod. Binangonan Rizal, Talim Island	TIRP	Mindoro	14.3495N	121.2144E	9	
Brgy Taft, Pakil, Laguna	PAKP	Philippines	14.3906N	121.4786E	58	
Brgy, Tapao	SIPP	Philippines	17.9230N	120.4580E	56	From 2006-10-01
Briangon	OG15	Provence-Cote d'Azur,France	44.9113N	6.6487E	1985	From 1993-01-20
Briano	GRDB	Italy	45.7095N	10.6661E	997	From 2011-06-01
Bribri	BRIBI	Costa Rica,Costa Rica	9.6200N	82.8179W	31	
Briceland Vineyards, California	BRIC	California	40.1123N	123.8964W	191	From 2018-09-01
Bricherasio	BHB	Italy	44.8417N	7.2633E	530	From 1990-05-17
Brid	BRIU	Carpathian Mountains	48.3380N	23.0203E	167	From 2005-05-26
Bridge Bay	YPBR	Wyoming,U.S.A.	44.5367N	110.4395W	2383	
Bridge Creek, Tuttle	W34A	Oklahoma,U.S.A.	35.2352N	97.7733W	428	From 2009-10-26 to 2011-09-06
Bridge North Anchor Chamber MTQ3	BNAQ	Quebec	46.8803N	71.1296W	1	From 2017-03-01
Bridgeport	BPT	Connecticut,U.S.A.	41.2221N	73.2422W	83	From 1972-01-07 to 1977-06-10
Bridge Port	J48A	Michigan,U.S.A.	43.2986N	83.7849W	195	From 2012-10-13
Bridger	G20A	Montana,U.S.A.	45.2202N	108.2141W	1431	From 2008-08-14 to 2010-08-12
Bridgewater	E64A	Maine,U.S.A.	46.4184N	67.8285W	190	From 2013-09-18
Brienza	BRIN	Italy	40.4900N	15.6136E	935	From 2012-06-20
Brienza	BRIE	Italy	40.4966N	15.6153E	980	
Brienz/Brinzauls, GR	BRIZ1	Switzerland	46.6689N	9.5949E	1154	From 2016-10-04
Brienz, Instabilitaet Caltgeras, GR	BRIZ2	Switzerland	46.6787N	9.5927E	1757	From 2018-05-30
Brig	BRI	Switzerland	46.3153N	7.9956E	708	
Brigada del Sol, Mexicali	BDSO	Baja California	32.6257N	115.4140W	8	
Brigand Hill	TBH	Trinidad and Tobago	10.4840N	61.0670W	199	From 1978-04-11
Brigerbad	BIBA	Switzerland	46.3025N	7.9304E	660	From 2009-10-01
Briggsdale	BRIGG	Colorado	40.5813N	104.3191W	1480	From 2016-09-15
Brigham City	BCUT	Utah,U.S.A.	41.5123N	111.9822W	1676	
Brigham Young University	BYU	Utah,U.S.A.	40.2531N	111.6491W	1420	
Bright Common Fremont	C015	California,U.S.A.	37.5594N	121.9937W	23	From 2009-06-23
Brig, Spital	SBRS	Switzerland	46.3170N	7.9814E	671	From 2012-08-27
Brijuni	BRJN	Croatia	44.9057N	13.7503E	26	From 2009-11-04
Brimhall	V20A	New Mexico,U.S.A.	35.7992N	108.4662W	1889	From 2008-02-16 to 2009-11-22
Brimstone Hill	BSK	St Kitts,Saint Kitts and Nevis	17.3470N	62.8400W	125	From 1980-07-09
Brindisi	BRDS	Italy	40.4302N	17.9412E	17	From 2019-11-05
Brinkman Farms, Chinook	B19A	Montana,U.S.A.	48.4551N	108.9443W	803	From 2008-09-03 to 2010-07-18
Brinnon	C04A	Washington,U.S.A.	47.7172N	122.9718W	53	From 2005-10-22 to 2008-02-18
Brione	BIE	Trentino,Italy	45.8835N	10.8738E	353	From 1981-06-15 to 1995-08-31
Briones	BRIB	California,U.S.A.	37.9189N	122.1518W	219	
Brisbane	BRSB	Australia	27.4781S	153.0311E	15	From 1937-09-01 to 1963-12-31
Brisbane	SBRN	California,U.S.A.	37.6856N	122.4113W	-157	
Brisbane	BRS	Queensland,Australia	27.3917S	152.7750E	525	From 1963-01-01
Brisbane 2 Soft	BN2S	Queensland,Australia	27.3293S	153.0477E	8	From 2009-01-01
Brisbane hardrock	BR1	Queensland,Australia	27.4306S	153.0237E	100	
Brisbane Hard Rock	BN1H	Queensland,Australia	27.4306S	153.0240E	71	From 2012-04-22
Brisbane softrock	BR2	Queensland,Australia	27.4314S	153.0693E	100	
Brisbane St Lucia campus	BRSA	Queensland	27.3002S	153.0053E	24	From 1951-09-25
Brisighella	BRHA	Italy	44.2076N	11.7639E	149	
BRISIGHELLA	BRIS	Italy	44.1499N	11.5107E	260	From 2010-05-26
Brite Ranch	MT4	Texas,U.S.A.	30.2731N	104.5700W	1469	From 1977-06-01 to 2003-01-28
BRN	BRNII	Israel	32.7360N	34.9990E	400	From 1990-01-01 to 1990-12-31
Broadband at La Diserade, Guadeloupe	ATGZ	Guadeloupe	16.0962N	61.7263W	0	
Broadband at Morne Mazeau - Deshaies, Guadeloupe	BHSZ	Guadeloupe	16.2727N	61.7652W	0	
Broad Law	EBL	Scotland,United Kingdom	55.7733N	3.0436W	365	From 1969-01-01
Broad Pass	BDP	Alaska,U.S.A.	63.2312N	149.2590W	709	From 1971-08-01 to 1976-09-30
Brockman Farm, Red Cloud	O32A	Nebraska,U.S.A.	40.2610N	98.2764W	579	From 2009-09-14 to 2011-08-19
Brocks Farm	BSCP	California,U.S.A.	32.7248N	115.0440W	43	
Brockton	B23A	Montana,U.S.A.	48.4643N	104.9909W	716	From 2008-09-17 to 2010-07-15
Brodericks Yard	MBBY	Montserrat	16.6977N	62.2025W	160	
Brognaturo	ME04	Italy	38.5928N	16.3576E	907	From 2007-10-21 to 2008-06-29
Brojen	IBRJ	Iran	31.9080N	51.2600E	2354	From 1985-01-01
Broken Hill	BHA	Zambia	14.4467S	28.4683E	1206	
Bromley	BRUT	Utah,U.S.A.	40.6230N	111.8790W	1337	From 1990-08-22
Bronaber	WBR	Wales,United Kingdom	52.8560N	3.8941W	340	From 1985-01-01
Bronson	340A	Texas,U.S.A.	31.4167N	93.8896W	57	From 2010-02-19 to 2011-12-10
Bronte	231A	Texas,U.S.A.	31.9353N	100.3163W	574	From 2009-03-01 to 2011-02-10
Brookfield	BCT	Connecticut,U.S.A.	41.4933N	73.3839W	69	From 1975-06-10 to 1999-01-31
Brookside Elementary School	BRKS	Washington,U.S.A.	47.7555N	122.2884W	100	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Brooks Peninsula	BPBC	British Columbia,Canada	50.1572N	127.7710W	732	From 1991-10-01
Brooks Peninsula	BPEB	British Columbia,Canada	50.1566N	127.7719W	737	From 2018-06-22
Brookwood Res.	CBWM	California,U.S.A.	37.9242N	122.1070W	221	From 1971-04-28
Brookwood Reservoir	BKC	California,U.S.A.	37.9242N	122.1070W	221	From 1971-04-28
Broome Borefield	BMEBF	Western Australia	17.8682S	122.3094E	10	From 2021-01-08
Broome Senior High School	AUBRM	Western Australia	17.9565S	122.2321E	20	From 2019-07-04
Brophy Road	ABRM	California,U.S.A.	39.1352N	121.4870W	24	From 1977-02-14
Brorfelde Observatory, Denmark	BFOD	Denmark	55.6200N	11.6700E	77	From 2011-12-14
Brosh	BRSH	Israel	32.3189N	35.5431E	-176	From 2019-05-28
Browne	BWN	Alaska,U.S.A.	64.1717N	149.4650W	365	From 1989-09-19
Brownlee Dam	BDID	Idaho,U.S.A.	44.7983N	116.8850W	1400	From 1990-07-01
Brown Mountain	BRTN	Tennessee,U.S.A.	36.3567N	82.8678W	630	From 1986-06-05
Brown Peak	BRPK	Alaska,U.S.A.	54.6455N	163.7408W	393	
Brown Place, Jackson	J17A	Wyoming,U.S.A.	43.3629N	110.7118W	1975	From 2007-10-25 to 2009-05-16
Bruarjokull	IBRU	Iceland	64.8290N	16.0880W	746	From 2004-12-29
Bruarjokull	IBJK	Iceland	64.4690N	16.7525W	1572	From 2014-08-20
Bruce Peninsula	BRCO	Ontario,Canada	44.2437N	81.4423W	273	From 2009-04-19
Bruguera	BRUG	Spain	42.2830N	2.1860E	1300	
Bruguera	CBRU	Spain	42.2855N	2.1801E	1327	
Brunell Drive Oakland	C009	California,U.S.A.	37.8049N	122.1841W	263	From 2009-05-13 to 2012-07-02
Brunell Drive Oakland No2	C064	California,U.S.A.	37.8051N	122.1846W	250	From 2012-07-02
Brunna	FIBU	Sweden	59.9013N	17.3518E	52	
Brunswick	BRWK	Victoria,Australia	37.7608S	144.9493E	9	From 2008-09-20
Brunts Corner	BTCC	California,U.S.A.	33.0121N	115.2199W	39	
Bruntsheil	BBH	Scotland,United Kingdom	55.1333N	2.9299W	216	
Brushton-Moira	BMNY	New York,U.S.A.	44.8399N	74.5065W	115	From 2011-07-29
Bruslee	BSLQ	Queensland,Australia	20.8670S	146.5640E	185	From 1984-03-02
Bryant	B05A	Washington,U.S.A.	48.2641N	122.0960W	154	From 2005-11-30 to 2008-02-20
Bryant College	BRYW	Connecticut,U.S.A.	41.9178N	71.5388W	380	
Bryant Ranch, Stanton	229A	Texas,U.S.A.	31.9671N	101.8107W	804	From 2009-02-09 to 2010-12-09
Bryn Du	SBD1	Wales,United Kingdom	52.9055N	3.2585W	489	From 1980-01-01
Bryson	PBYM	California,U.S.A.	35.8150N	121.0820W	335	
Bsor	BSO	Israel	31.2670N	34.4850E	140	From 1983-01-01 to 1991-12-31
BTLPN	BTLPN	Botswana	18.7842S	25.1960E	1035	
Bua	MBU	Fiji	16.9728S	178.7217E	549	From 1981-11-01
Buan	KSPUA	Republic of Korea	35.7226N	126.7178E	11	From 2000-02-13
Buaraba 3	WBAQ	Queensland,Australia	27.3527S	152.3082E		From 1984-07-06
Buayan, Jawa Tengah	BUJI	Indonesia	7.7560S	109.4613E	34	From 2019-10-01
Bubulan, Jawa Timur	BBJM	Indonesia	7.3260S	111.8099E	175	From 2019-01-01
Bucak	BCK	Turkey	37.4608N	30.5890E	860	From 1973-05-18
Bucaramanga	BCR	Colombia	7.0194N	73.1764W	750	From 1972-10-01 to 1980-12-31
Bucaramanga	BMG	Colombia	7.0717N	73.0753W	1000	
Buchan	BUCN	Victoria,Australia	37.5287S	148.0976E	250	
Buchan	BUV	Victoria,Australia	37.4983S	148.1680E	100	From 1964-01-01 to 1966-12-31
Buchanan	BIPS	New York,U.S.A.	41.2678N	73.9473W	24	
Buchanan	D30A	North Dakota,U.S.A.	47.1082N	98.7576W	465	From 2009-08-07 to 2011-06-25
Bucharest	BUC1	Romania	44.3479N	26.0281E	77	From 1977-04-01
Bucharest	BUC2	Romania	44.3479N	26.0281E	77	From 1977-04-01
Bucharest	BUC	Romania	44.4136N	26.0967E	82	
Bucharest-Childs Park	BAPR	Romania	44.4059N	26.1190E	103	From 2003-11-06
Bucharest-Geological Museum	BGMR	Romania	44.4553N	26.0851E	123	From 1997-11-13
Bucharest-Geotec Company	BTMR	Romania	44.4370N	26.1067E	140	From 2001-01-10
Bucharest-INCERC-borehole	BBIR	Romania	44.4411N	26.1618E	-88	From 2002-10-29 to 2008-11-28
Bucharest-INCERC-Test Bldg	RBAR	Romania	44.4409N	26.1624E	115	From 2004-05-10 to 2008-11-28
Bucharest-Old Court	BVCR	Romania	44.4301N	26.1017E	112	From 2001-01-17
Bucharest-Scientist's House	BSTR	Romania	44.4457N	26.0984E	125	From 2000-10-31
Bucharest-Stefan cel Mare Str.	BLHR	Romania	44.4525N	26.1122E	149	From 2001-05-08
Buchberg	BUB	Switzerland	47.7490N	8.6030E	740	From 1971-12-01 to 1980-11-10
Buchs, Altendorf	SBUA2	Switzerland	47.1591N	9.4710E	464	From 2011-05-01
Buchserberg Malbun	SBUB	Switzerland	47.1459N	9.4342E	1371	From 2010-08-25
Buchs, Hochschule	SBUH	Switzerland	47.1726N	9.4740E	448	From 2012-09-03
Buckhannon	Q55A	West Virginia,U.S.A.	38.9952N	80.0812W	657	From 2012-12-17
Buckhannon	BZ-WV	West Virginia,U.S.A.	38.7983N	80.3494W	457	
Buckhannon	BZ-	West Virginia,U.S.A.	38.7983N	80.3494W	457	
Buckhorn Ranch, CA USA	BUCR	California	37.6727N	120.1504W	1038	From 2018-01-01
Buckingham	BU-QB	Quebec,Canada	45.7675N	75.5403W	183	From 1962-07-24 to 1962-10-05
Buckingham	BU-	Quebec,Canada	45.7675N	75.5403W	183	From 1962-07-24 to 1962-10-05
Buck Lake	BUKO	Ontario,Canada	45.4423N	79.3989W	317	From 2009-05-19
Buckleboo	BBOO	South Australia,Australia	32.8102S	136.0588E	321	From 1995-12-08
Bucklebury West	BUW	England,United Kingdom	51.4094N	1.2244W	125	
Buck Mountain	BUCK	Oregon,U.S.A.	44.1973N	122.9862W	964	
Buckrabanyule	BUCM	Victoria,Australia	36.2384S	143.4981E	200	
Bucksport	BPM	Maine,U.S.A.	44.6317N	68.7893W	80	
Bu, CM20	ACM20	Cameroon	6.2250N	10.0540E	595	
Buco	VBU	Luzon,Philippines	14.0870N	120.9870E		
Bucovina Array	BURAR	Romania	47.6148N	25.2168E	1150	
Bucovina Ar. Site	BUR02	Romania	47.6187N	25.2209E	1142	
Bucovina Ar. Site	BUR04	Romania	47.6182N	25.2122E	1160	
Bucovina Ar. Site	BUR09	Romania	47.6164N	25.1902E	1253	
Bucovina Ar. Site	BUR03	Romania	47.6085N	25.2178E	1202	
Bucovina Ar. Site	BUR05	Romania	47.6326N	25.2175E	1182	
Bucovina Ar. Site	BUR08	Romania	47.6440N	25.2002E	1214	
Bucovina Ar. Site	BUR06	Romania	47.6169N	25.2444E	1211	
Bucovina Ar. Site	BUR01	Romania	47.6147N	25.2167E	1149	
Bucovina Ar. Site	BUR07	Romania	47.6426N	25.2324E	1230	
Bucuresti	MTR2	Romania	44.3689N	26.1436E	75	From 2015-08-18
Bucuresti	PGRO2	Romania	44.4436N	26.0558E	75	From 2015-10-13
Bucuresti	ASM1	Romania	44.4702N	26.0673E	88	From 2015-09-07
BUCURESTI	SGEB	Romania	44.3812N	26.1369E	80	From 2008-10-29
Bucuresti--IRSA	BUCF	Romania	44.5018N	26.1416E	83	
Bucuresti-Nicolae Titulescu	DTIR	Romania	44.4527N	26.0717E	91	From 2008-11-20
Budapest	BUD	Hungary	47.4836N	19.0239E	196	
Budderoo	BUDM	New South Wales,Australia	34.6763S	150.6707E	604	
Budock Water	CBW1	England,United Kingdom	50.1482N	5.1144W	94	From 1981-01-01
Budoia	BDO	D'Entrecasteaux Islands,Papua New Guinea	9.6789S	150.8490E	1	From 1969-07-23 to 1969-07-28
Budva	BDV	Montenegro	42.2834N	18.8279E	385	From 1983-12-25 to 2003-06-02
BUENA FE, CENTRO DE SALUD	BUFE	Ecuador	0.9055S	79.4959W	100	From 2016-04-19
Buenavista	BUE	Veracruz,Mexico	19.4380N	96.5590W	200	
Buena Vista	BUEV	Costa Rica	10.7982N	85.4070W	807	From 2000-01-01
Buena Vista	BVA	Guatemala	14.6667N	90.6373W	2262	From 1973-03-01
Buena Vista	BUS	Costa Rica	9.5553N	83.7583W	3487	
Buenavista del Norte, Tenerife	CBOL	Canary Islands	28.3144N	16.8306W	1161	From 2016-07-30
Buenos Aires	BUAI	Costa Rica	10.8770N	85.3320W	392	
Buenos Aires	BUAY	Trinidad and Tobago	10.1072N	61.6862W		
Buenos Aires	EDBA	Costa Rica	9.1630N	83.2750W	401	
Buenos Aires	BAA	Buenos Aires,Argentina	34.5917S	58.4833W	25	
Buenos Aires	BURE	Costa Rica,Costa Rica	9.1730N	83.3380W	387	
Buenos Aires, BARC	CBARC	Costa Rica	9.1660N	83.3345W	378	
Buenos Aires, Puntarenas	BAIR	Costa Rica	9.0678N	83.3309W	378	From 2010-08-28
Buergeleck	RTBE	Bayern	47.7451N	12.8241E	1162	From 2007-05-08
Buerstadt	WBBU	Hessen	49.6229N	8.4938E	87	From 2017-02-16
Buffalo	BUF	New York,U.S.A.	42.9255N	78.8528W	195	From 1912-01-01
Buffalo Canyon	BFC	Nevada,U.S.A.	38.8940N	119.6080W	1734	From 1978-01-01
Buffalo-Larkin	BFF	New York,U.S.A.	42.8475N	78.6442W	230	From 1951-03-01 to 1999-08-25
Buffalo Meadows, Empire	N06A	Nevada,U.S.A.	40.7484N	119.8346W	1341	From 2006-07-12 to 2008-04-14
Buffelsbos	BUFB	Cape Province,South Africa	34.1510S	24.7420E	109	From 2008-09-24
Buffelsfontein	BFS	Transvaal,South Africa	26.8983S	26.7850E	1310	From 1983-01-01 to 2000-09-01
Buffelsfontein	BFSD	Transvaal,South Africa	26.8650S	26.7860E	1374	From 2008-04-07
Buffelskloof,Oudtshoorn	BFKLF	South Africa	33.5050S	21.8679E	468	From 2021-06-27
Buffer Zone	CBZL	California,U.S.A.	37.6917N	121.7160W	175	From 1989-02-07
Buga	BUGC	Colombia	3.8933N	76.2569W	1200	
Bugetsay	BUGS	Kazakhstan	50.1200N	59.1000E	280	From 1974-07-13
Buhlerhohe	BUH	Baden-Wurttemberg,Germany	48.6755N	8.2284E	750	From 1967-02-01
Buia	BUII	Italy	46.2183N	13.1233E	320	From 1977-05-06
Buia	BUA	Italy	46.2183N	13.1233E	320	From 1977-05-06
Building 67, Lawrence Berkeley Lab, Berkeley, CA	BL67	California,U.S.A.	37.8749N	122.2543W	736	From 2011-04-15 to 3000-12-31
Building 88, Lawrence Berkeley Lab, Berkeley, CA	BL88	California,U.S.A.	37.8772N	122.2543W	602	From 2011-01-25 to 3000-12-31
Buin Zahra, Qazvin	QBNZ	Iran	35.6370N	50.1947E	2092	From 2012-03-01
Bujalance, Cordoba	E022	Spain	37.9010N	4.3819W	292	From 2007-09-25 to 2009-06-24

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bujumbura/Burundi	BUJA	Burundi	3.3961S	29.3959E	1113	From 2013-04-29
Buka	BUKA	Bougainville,Papua New Guinea	5.3958S	154.6809E	55	From 2013-05-28
Bukene	MKRE	Tanzania,United Republic of Tanzania	4.2818S	32.9037E	1174	
Bukhara	BUXR	Uzbekistan	39.7399N	64.3461E	218	
Bukit Katil	BMSMM	Peninsular Malaysia	2.2321N	102.2977E	39	
Bukit Timah Dairy	BTDF	Singapore	1.3608N	103.7729E	64	
Bukoba	BKBA	Tanzania,United Republic of Tanzania	1.3643S	31.8118E	1284	
Bulawayo	BUL	Zimbabwe	20.1433S	28.6133E	1341	From 1958-01-31
Bulawayo	BLWY	Zimbabwe	20.1400S	28.6100E	1348	
Buldan	SULTU	Turkey,Turkey	38.0536N	28.7676E	1194	
Bulengo	BULE	Democratic Republic of the Congo	1.6330S	29.1405E	1482	
Bulgan	BLGM	Mongolia	48.7900N	103.5300E	1210	
Bulgan, Bulgan city	BULM	Mongolia	48.7351N	103.6356E	1192	From 2013-08-25
Bulgheria - Camerota	BULG	Italy	40.0783N	15.3776E	815	From 2006-08-07
Bullas, Murcia	EXBUL	Spain	38.0464N	1.6611W	640	From 2015-01-01
Bulle cole, FR	SBUL	Switzerland	46.6264N	7.0529E	761	From 2018-05-02
Bullhead Mountain	BMTB	British Columbia,Canada	56.0451N	122.1332W	1099	From 2017-09-18
Bullion Camp, Hudson Bay	BULN	Nunavut,Canada	66.3971N	93.1252W	330	From 2006-08-17
Bullmark	BLMU	Sweden	63.9890N	20.4720E	85	From 2022-11-02
Bull Mountain	BMBC	British Columbia,Canada	56.0450N	122.1310W	1100	
Bull Pasture Mountain, McDowell	R56A	Virginia,U.S.A.	38.4071N	79.4031W	902	From 2013-06-22
Bull Run Dam	BULL	Oregon,U.S.A.	45.4461N	122.1547W	222	
Bulochka	BLCS	Kamchatskaya Oblast',Russia	53.1930N	158.7940E	500	
Bulolo	BLLO	Papua New Guinea	7.2020S	146.6200E	700	From 1988-06-10
Bultei - Sa Pruna (SS)	BULT	Sardinia	40.5092N	9.0397E	740	From 2021-06-15
Bulukumba	BKSI	Sulawesi,Indonesia	5.3219S	120.1224E	0	From 2007-12-01
Buluowan	TQ02	Taiwan region	24.1689N	121.5729E	353	From 2017-05-23
Bulusan	VBN	Luzon,Philippines	12.7320N	124.0250E		
Buluus	BLSR	Sakha,Russia	61.3600N	129.0300E	105	From 2012-03-27
Bumble Bee	BBUT	Utah,U.S.A.	40.7455N	112.0112W	1291	
Bumi Jawa, Jawa Tengah	BTJI	Indonesia	7.1972S	109.1641E	942	From 2019-10-01
Bundeswehrkaserne Erding	A367A	Germany	48.3067N	11.9233E	500	From 2015-12-01
Bungbulang	BBJI	Jawa	7.4626S	107.6500E	615	From 2016-09-06
Bungee Jump	BUNG	Nepal	27.8772N	85.8908E	1191	From 2001-10-13 to 2002-10-23
Bungku Tengah, Sulawesi Tengah	BTCM	Indonesia	2.4768S	121.9241E	21	From 2019-01-01
Bunker Hill	BKHT	Tennessee,U.S.A.	35.5320N	83.9360W	843	From 1983-11-10
Bunkhouse Ranch, Marshall	139A	Texas,U.S.A.	32.6795N	94.3927W	59	From 2010-04-30 to 2012-01-24
Bunnell	658A	Florida,U.S.A.	29.4220N	81.2578W	11	From 2012-02-07
Bunnythorpe	BUN	North Island,New Zealand	40.2850S	175.6302E	60	From 1932-10-01 to 1968-11-12
Buntu Taipa	BUNI	Sulawesi,Indonesia	3.6578S	120.3230E	240	
Bunyan	BNN	Turkey	38.8520N	35.8460E	1350	
Buochs, Nidwalden	SBUS	Switzerland	46.9789N	8.4205E	436	From 2019-05-19
BUONALBERGO	BAL01	Italy	41.2207N	14.9815E	481	From 1998-01-01
Burakin	WA4	Western Australia,Australia	30.6019S	117.2250E	320	From 1986-04-22
BURAR	BUR33	Romania	47.6351N	25.2008E	1249	From 2008-01-11
BURAR	BUR32	Romania	47.6330N	25.1805E	1328	From 2008-01-11
Burdekin Lookout	BURD	Queensland,Australia	20.6232S	147.1218E	291	
Burdett	R31A	Kansas,U.S.A.	38.2888N	99.5271W	667	From 2009-05-17 to 2011-03-19
Burdur, Bucak-Gundogdu	BUCA	Turkey	37.3277N	30.5593E	812	From 2014-12-05
BURDUR-Merkez	BRDR	Turkey	37.6963N	30.0613E	935	From 2011-09-26
Bureau des Mines et l'Energie	NQBME	Haiti	18.5627N	72.2968W	84	
Burgazada	BRGZ	Turkey	40.8810N	29.0642E	86	From 2009-01-01
Burgazada-Istanbul	BRGA	Turkey	40.8846N	29.0650E	67	From 2012-09-12
Burgeitz	BGG	Rheinland-Pfalz,Germany	50.2060N	7.3372E	140	From 1977-05-02
Burg Gleichenstein	GLEI	Thuringen	51.2923N	10.2062E	462	From 2021-12-02
Burg Ranis	RANIS	Thuringen	50.6624N	11.5643E	383	From 2018-05-09
Bur	RBALA	Panama	8.8790N	82.1530W	102	
Burj al `Arab	HBRG	Egypt	30.5743N	29.8393E	130	
Burke	BUI	Idaho,U.S.A.	47.4650N	115.7820W	590	
Burlington	BUO	Ontario,Canada	43.3617N	79.7450W	88	From 1979-12-12 to 1980-05-01
Burlington	BUR	Vermont,U.S.A.	44.4800N	73.1967W	100	From 1932-12-01 to 1956-12-31
Burlington	K43A	Wisconsin,U.S.A.	42.7044N	88.3320W	264	From 2011-10-17 to 2013-11-27
Burlington	RD01	Ontario,Canada	43.4109N	79.8356W	142	
Burma	BURJ	Jordan	32.2418N	35.8042E	1045	From 1983-09-01
Burn	BUWY	England,United Kingdom	53.7429N	1.0665W	5	
Burnasheti	BRNG	Georgia	41.6231N	43.8276E	1699	From 2013-11-01
Burnet	434A	Texas,U.S.A.	30.8142N	98.2690W	462	From 2009-11-08 to 2011-10-03
Burnham, DAR6	DARN6	South Island	43.5854S	172.2776E	92	
Burnie High School	AUBRN	Tasmania	41.0405S	145.8684E	10	From 2017-07-06
Burnie High School	BNE	Tasmania,Australia	41.0625S	145.8653E	70	
Burns	BURN	Oregon,U.S.A.	43.5731N	119.1303W	1615	
Burnside Ranch, Stapleton	M29A	Nebraska,U.S.A.	41.4441N	100.6892W	952	From 2009-05-12 to 2011-04-07
Burnt Hill	CCH2	South Island	43.3717S	172.1527E	279	
Burnt Mountain Array Beam Reference Point	BMAR	Alaska,U.S.A.	67.4291N	144.5806W	767	From 2006-09-11
Burnt Mountain Array Site 1	BM01	Alaska,U.S.A.	67.4507N	144.5273W	474	From 2006-09-11
Burnt Mountain Array Site 2	BM02	Alaska,U.S.A.	67.4297N	144.4915W	539	From 2006-09-11
Burnt Mountain Array Site 3	BM03	Alaska,U.S.A.	67.4192N	144.6071W	813	From 2006-09-11
Burnt Mountain Array Site 3	BM3	Alaska,U.S.A.	67.4192N	144.6071W	813	From 1993-07-01
Burnt Mountain Array Site 4	BM04	Alaska,U.S.A.	67.4181N	144.5583W	525	From 2006-09-11
Burnt Mountain Array Site 5	BM05	Alaska,U.S.A.	67.4291N	144.5806W	767	From 2006-09-11
Burnt Peak	BTPC	California,U.S.A.	34.6823N	118.5740W	1702	
Buron	BURB	Republic of Korea	37.2317N	127.7486E	-12	From 2016-05-31
Burrel, Albania	BURR	Albania	41.6015N	20.0048E	362	From 2023-11-17
Burrinjuck	BJEM	New South Wales,Australia	34.9505S	148.6460E	400	
Burrinjuck Dam	BJDM	New South Wales,Australia	35.0041S	148.5819E	380	
Bursa	IGD	Turkey	40.2641N	29.2015E	165	From 2007-03-29
Burton	P54A	West Virginia,U.S.A.	39.6020N	80.4796W	473	From 2013-01-27
Burton Butte	BUOR	Oregon,U.S.A.	42.2785N	122.2453W	1797	
Burton Farm, Hornbeak	U44B	Tennessee,U.S.A.	36.3391N	89.3507W	136	From 2011-08-04 to 2013-03-09
Burvik	BURU	Sweden	64.5836N	21.3769E	100	From 2000-09-01
Burwash Landing	BH-	Yukon Territory,Canada	61.3706N	139.1414W	861	From 1965-10-16 to 1965-11-15
Burwash Landing	BRWY	Yukon Territory,Canada	61.3704N	139.0338W	802	From 2018-07-12
Burwash Landing	BH-YK	Yukon Territory,Canada	61.3706N	139.1414W	861	From 1965-10-16 to 1965-11-15
Burwood Hospital	BWHS	New Zealand	43.4804S	172.6822E	10	From 2012-12-18
Burzyn	PL14A	Poland	49.8794N	21.0696E	243	From 2019-11-26
Busa	DBUS	Italy	45.7799N	11.1140E	597	From 2020-07-29
busan	BSAA	Republic of Korea	35.0662N	129.0741E	182	From 2019-03-18
Busan	KSBUS	Republic of Korea	35.2486N	129.1125E	92	From 2001-12-28
Busan_acc	KSBSA	Republic of Korea	35.1048N	129.0319E	0	From 2007-12-12
Busby, Falmouth	M65A	Massachusetts,U.S.A.	41.5620N	70.6466W	22	From 2012-03-30
Buseok	BUSA	Republic of Korea	36.9792N	128.6610E	326	From 2018-03-09
Bush Stream	BSP	South Island,New Zealand	43.8688S	170.1043E	750	From 1975-06-18 to 1983-11-21
Bushy Park	BSZ	North Island,New Zealand	39.7970S	174.9314E	150	From 1990-06-20 to 2003-11-28
Busso	BSSO	Italy	41.5461N	14.5938E	1010	From 2005-01-17
Buston	BSTN	Uzbekistan	41.8495N	60.9104E	113	
Butaka	BUTK	Rwanda	1.5389S	29.3924E	2557	From 2015-08-17 to 2022-07-01
Butare	BTR	Rwanda	2.6167S	29.7333E	1648	
Butare	AST	Rwanda	2.6167S	29.7333E	1648	
Butcher Ranch, Price	P17A	Utah,U.S.A.	39.4730N	110.7400W	1687	From 2007-07-14 to 2009-05-21
Butedale	BUTB	British Columbia,Canada	53.0630N	128.4633W	1094	From 2014-08-21
Butembo	BTC	Democratic Republic of the Congo	0.1333N	29.2667E	1720	From 1969-01-01
Butler Butte	BBOR	Oregon,U.S.A.	42.8868N	122.6796W	1671	From 1992-06-01
Butler Peak	BTL	California,U.S.A.	34.2572N	117.0030W	2526	
Butner	BUNC	North Carolina,U.S.A.	36.1764N	78.7631W	122	
Buton	BTNI	Sulawesi,Indonesia	5.0000S	122.9170E		
Butte	F15A	Montana,U.S.A.	45.8409N	112.4929W	1995	From 2006-10-27 to 2009-07-10
Butte	BUT	Montana,U.S.A.	46.0133N	112.5630W	1758	
Butte a Klehm	BKM	Vanuatu	17.6683S	168.2430E	270	
Butte Creek Rim	LBCM	California,U.S.A.	40.8368N	121.3499W	1525	
Butterfield Farm, Chambers	L31A	Nebraska,U.S.A.	42.1760N	98.8387W	670	From 2009-09-10 to 2011-08-22
Buttle Lake	BTB	British Columbia,Canada	49.4683N	125.5210W	1640	From 1984-09-01
Butuan	BUTP	Mindanao,Philippines	8.9690N	125.6210E	68	
Butuan	BTN	Mindanao,Philippines	8.9333N	125.5330E	2	From 1914-01-01 to 1943-12-31
Buyeo	BUYB	Republic of Korea	36.2726N	126.9206E	15	From 2015-10-01
BUYEO	KSBUY	Republic of Korea	36.2683N	126.9204E	11	From 2006-11-24
Buynaksk	BUJR	Dagestan,Russia	42.8250N	47.1083E	480	
Buyukada	BADT	Turkey	40.8523N	29.1175E	175	
Buyukada	KRGZ	Turkey	40.8421N	29.1107E	7	From 2012-05-16
Buyukada	BASD	Turkey	40.8637N	29.1240E	127	From 2012-05-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Buyukada	BUY	Turkey	40.8523N	29.1181E	100	From 2001-03-01
Buyukada-Istanbul	BUYA	Turkey	40.8694N	29.1278E	40	From 2012-09-12
Buyukcekmece-Istanbul	BUYK	Turkey	41.0168N	28.5828E	2	From 2021-05-28
Buyukeceli-Mersin	BECE	Turkey	36.1562N	33.5595E	217	From 2019-07-27
Buyukkizoglu-Ladik(Samsun)	KIZO	Turkey	40.9005N	35.9334E	940	From 2013-12-04
Buzau	BUZ4	Romania	45.1500N	26.8247E	98	From 2015-08-28
Buzau	BUZR	Romania	45.1503N	26.8095E	139	From 2006-07-28
Buzias	BZS	Romania	45.6167N	21.6167E	260	
Buzzard Lagoon Road	JBZM	California,U.S.A.	37.0178N	121.7860W	213	From 1975-10-07
Buzz No.'s Place	BZNA	California,U.S.A.	33.4915N	116.6670W	1301	
Byeollyang	BLLA0	Republic of Korea	34.8646N	127.4638E	24	From 2018-03-09
Byrd	BYR	Marie Byrd Land	80.0167S	119.5170W	1515	From 1957-01-01 to 1969-01-31
Byrd (S.R.I.)	BSA	Marie Byrd Land	80.0055S	119.0430W	1449	
Byrd--Stanford Research Institute	BYA	Marie Byrd Land	80.0096S	119.4810W	1453	
Byrd--Stanford Research Institute	BY2	Marie Byrd Land	80.0773S	119.6830W	1449	
Byrd--Stanford Research Institute	BY1	Marie Byrd Land	80.0055S	119.0430W	1449	
Byrd--Stanford Research Institute	BY3	Marie Byrd Land	79.9456S	119.7180W	1452	
Byron Hot Springs	CBSM	California,U.S.A.	37.7968N	121.6460W	279	
Byron Hot Springs, Alameda County	CBSNC	California,U.S.A.	37.8178N	121.6413W	28	From 1982-04-20
Byron's Ledge	BYL	Hawaii,U.S.A.	19.4120N	155.2600W	1059	
Bystrovka, Novosibirskaya Oblast', Russia	BSTK	Novosibirskaya Oblast',Russia	54.5677N	82.6535E	118	From 2003-04-10
Bytom	BYT	Poland	50.3622N	18.9144E	283	From 1960-01-01 to 1972-01-01
Byxelkrok	BYXU	Sweden	57.2899N	17.0083E	10	From 2002-11-05
Byzanz	BYZN	Turkey	40.8748N	28.9735E	19	From 2006-09-28
C01	C01	Belgium	50.6700N	4.5700E	147	
C02	C02	Belgium	50.6200N	4.9800E	140	
C03	C03	Belgium	50.6800N	5.2700E	117	
C04	C04	Belgium	50.2100N	5.0000E	190	
C05	C05	Belgium	50.4800N	4.9200E	160	
C06	C06	Belgium	50.3500N	5.5700E	190	
C07	C07	Belgium	50.2400N	5.9300E	475	
C08	C08	Belgium	50.3420N	6.3130E	485	
C11	C11	Belgium	50.0400N	5.4000E	550	
C12	C12	Belgium	50.0600N	5.7900E	430	
C13	C13	Belgium	49.9700N	5.2200E	325	
C14	C14	Belgium	49.8300N	5.3800E	400	
C16	C16	Belgium	49.8000N	5.1400E	290	
C18	C18	Belgium	50.6680N	4.5080E	125	
C20	C20	Luxembourg	49.8660N	5.8580E	400	
C21	C21	Luxembourg	49.8100N	6.3280E	220	
C22	C22	Luxembourg	49.8070N	6.2670E	300	
C23	C23	Luxembourg	49.5970N	6.0040E	395	
CA02	CA02	Romania	47.0110N	27.4310E	414	
CA03	CA03	Romania	46.8470N	27.2880E	229	
CA04	CA04	Romania	46.6940N	27.1250E	239	
CA05	CA05	Romania	46.4860N	26.9970E	187	
CA06	CA06	Romania	46.3150N	26.8880E	421	
CA07	CA07	Romania	46.1980N	26.7430E	276	
CA08	CA08	Romania	45.9520N	26.5720E	632	
CA09	CA09	Romania	45.8910N	26.1880E	596	
CA10	CA10	Romania	45.7600N	26.2710E	1026	
CA11	CA11	Romania	45.3550N	26.0400E	673	
CA12	CA12	Romania	45.1940N	25.8930E	447	
CA13	CA13	Romania	45.0930N	25.8490E	402	
CA15	CA15	Romania	44.8570N	25.6430E	226	
CA16	CA16	Romania	44.7090N	25.5080E	220	
CA17	CA17	Romania	44.4220N	25.3220E	188	
CA18	CA18	Romania	44.1840N	25.1980E	122	
CA19	CA19	Romania	44.0020N	25.0210E	101	
CA20	CA20	Romania	43.8250N	24.8380E	127	
Cabaceiras do Paraguassu - BA	NBCP	Bahia,Brazil	12.5937S	39.1820W	232	From 2013-02-22
Cabaceiras do Paraguassu - BA	NBCP0	Bahia,Brazil	12.5886S	39.1810W	225	From 2011-09-27 to 2013-02-21
Cabagna-an	VCB	Negros,Philippines	10.3620N	123.1170E	550	
Caballito	CABAL	Costa Rica	10.2361N	85.3434W	42	
Caballo Blanco	CABA	Venezuela	7.8558N	71.5022W	1600	From 1984-01-01
Cabarroguis, Quirino	CAQP	Philippines	16.5256N	121.5108E	241	
abatobası, Keskin, Kırıkkale	KESK	Turkey	39.6347N	33.5810E	1015	From 2017-12-23
Cabbage Hill	CHOR	Oregon,U.S.A.	45.5908N	118.5790W	1076	
Cabeza del Buey	E038	Spain	38.7328N	5.2358W	599	
Cabezarrubias del Puerto	E040	Spain	38.6093N	4.1967W	750	
Cabia	FCAB	Italy	46.4660N	13.0370E	752	From 2011-12-18
Cabildo	CBCH	Coquimbo,Chile	32.4269S	71.0689W	175	
Cable	O50A	Ohio,U.S.A.	40.1468N	83.6199W	399	From 2012-06-15
Cabo de Gata	ACBG	Spain	36.7687N	2.1938W	64	
Cabonga Reservoir	CBRQ	Quebec,Canada	47.3091N	76.4707W	307	
Cabo Pasado	CABP	Ecuador	0.3865S	80.4287W	125	From 2009-04-08
Cabo Pasado-Manab	CAB1	Ecuador	0.3865S	80.4287W	125	From 2014-08-18
Caborca	CBS	Sonora,Mexico	30.7283N	112.1600W	300	From 1972-07-30
Cabo Rojo, PR	CRPR	Puerto Rico	18.0064N	67.1096W	4	From 2005-03-08
Cabo San Francisco	SFCO	Ecuador	0.6642N	80.0592W	30	From 2017-09-22
Cabo S. Vicente	PSVI	Portugal	37.0232N	8.9967W	70	From 2015-02-27
Cabramurra	CBR	New South Wales,Australia	35.9433S	148.3930E	1537	From 1972-08-09
Cabramurra	CAB	New South Wales,Australia	35.9267S	148.4330E	1610	From 1959-01-01 to 1972-08-09
Cabrayil	DZB	Azerbaijan	39.4100N	47.0300E	680	From 1981-01-01 to 1993-01-01
Cabrera	CADR	Dominican Republic	19.6670N	69.9398W	23	From 2013-12-20
Cabril	PCAB	Portugal	41.7102N	8.0270W	577	
Cabuya	CBL1	Costa Rica,Costa Rica	9.5883N	85.0918W	43	
Cacacuatique	CAHU	El Salvador	13.7707N	88.2110W	1682	
Cacapava Do Sul	CPSB	Rio Grande do Sul,Brazil	30.4055S	53.4395W	227	
Cacerres, MT, Brazil	CCRS	Mato Grosso	17.2882S	57.8993W	95	From 2016-08-06
Cache Creek	CK-	British Columbia,Canada	50.8253N	121.3278W	518	From 1962-07-22 to 1962-10-05
Cache Creek	CK-BC	British Columbia,Canada	50.8253N	121.3278W	518	From 1962-07-22 to 1962-10-05
Cachotin	A083A	Czech Republic	49.6959N	15.6077E	573	From 2015-10-16
Cachucha Ranch	CCN	New Mexico,U.S.A.	36.8333N	106.8330W		
Cack Lake	CLSB	British Columbia,Canada	52.7587N	122.5551W	792	From 2006-09-02
Caconde	CACB	Sao Paulo,Brazil	21.6802S	46.7326W	1381	From 1993-03-01
Cacouna	CACQ	Quebec,Canada	47.9481N	69.4996W	6	From 2018-06-14
Cactus City	CTCC	California,U.S.A.	33.6552N	115.9901W	538	
Cactus Flat W	WCFM	California,U.S.A.	36.2083N	117.9040W	1384	From 1975-09-26
Cactus Flat West	CFWM	California,U.S.A.	36.2083N	117.9040W	1384	From 1975-09-26
Cactus Peak	CTS	Nevada,U.S.A.	37.6565N	116.7251W	1877	From 1979-04-24 to 2002-10-10
Cactus Peak W	WCPM	California,U.S.A.	36.0710N	117.8500W	1494	From 1975-09-26
Cactus Peak West	CPTM	California,U.S.A.	36.0710N	117.8500W	1494	From 1975-09-26
Cadarache	CDR	Provence-Cote d'Azur,France	43.6750N	5.7669E	368	From 1962-01-10
Caddo, Fort Cobb	W33A	Oklahoma,U.S.A.	35.1518N	98.4686W	414	From 2009-10-27 to 2011-09-04
Cadiz	EXCA	Spain	36.5230N	6.2850W	57	
Cadiz City	CADP	Negros	10.9209N	123.2929E	84	
Cadoux	CADX	Western Australia	30.7692S	117.1360E	382	
Cadoux	CAK	Western Australia	30.7180S	117.1410E	397	
Cadoux, CAA	CAAA	West Australia	31.7460S	117.1510E	300	
Cadoux-Robbs, CAR	CARMG	Western Australia	30.7810S	117.1380E	377	
Cadoux-Shankland, CAS	CASMG	Western Australia	30.8100S	117.8100E	375	
Cadrg	CADS	Slovenia	46.2280N	13.7369E	700	From 2003-10-01
Cady Mountains	CAD	California,U.S.A.	34.8167N	116.3330W		
Cadyville	H59A	New York,U.S.A.	44.6455N	73.6905W	355	From 2013-08-24
Caete la Real, Malaga	E006	Spain	36.9491N	5.0446W	1039	From 2007-10-09 to 2009-06-23
Cafayete	FSA	Salta,Argentina	26.1112S	65.9792W	1655	
Caf Hygge Rechberg	HAUIG	Germany	47.6604N	7.7002E	459	
Cagayan de Oro	CGP	Mindanao,Philippines	8.4548N	124.6942E	50	From 1977-10-01
Cagayan Oro	OMP	Mindanao,Philippines	8.4550N	124.6940E	50	From 1977-10-01
Caggiano	CGG3	Italy	40.5420N	15.5225E	1067	
Caggiano	CG1H	Italy	40.5667N	15.5000E	820	From 1899-01-01 to 1911-12-31
Caggiano	CAGG	Italy	40.5573N	15.5114E	1176	From 2017-08-01
Caglayancerit, KahramanMaras, Turkey	MENG	Turkey	37.7760N	37.2634E	1420	From 2021-12-29
Cagli	CAGL	Italy	43.5484N	12.6486E	190	From 2020-01-30
Cagliari Citta	CCI	Sardinia,Italy	39.2208N	9.1172E	50	
Cagliari Serpeddi	CA2	Sardinia,Italy	39.3622N	9.2971E	1050	From 1978-06-01
Cagliari Serpeddi	CGL	Sardinia,Italy	39.3622N	9.2972E	1050	From 1978-06-01
CAGNANO AMITERNO	CNMT	Italy	42.4559N	13.2303E	871	From 2018-08-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cagnes-sur-Mer	CAGN	Provence-Cote d'Azur,France	43.6670N	7.1460E	96	From 2003-06-26
Caguas	CAG	Puerto Rico	18.2394N	66.0353W	350	From 1974-08-16 to 1975-07-17
Cahill	CAHL	Alaska,U.S.A.	58.0525N	155.3015W	807	From 1996-08-01
Cahill Ridge	JCHM	California,U.S.A.	37.5170N	122.3760W	323	
Cahto Peak	KCPM	California,U.S.A.	39.6863N	123.5824W	1261	From 1979-11-09
Cahuilla Valley	CAHC	California,U.S.A.	33.5037N	116.6985W	1219	
Cahul	KGL	Moldova	45.9050N	28.2010E	48	
Caia, A0781	M0781	Mozambique	17.7986S	35.4156E	71	
Caibarien	CAIB	Cuba	22.4922N	79.4733W	20	
Caicara del Orinoco	CAOV	Venezuela	7.3260N	66.3220W	72	From 2002-10-03
CAICARA DEL ORINOCO	CACV	Venezuela	7.5652N	66.5400W	43	From 2015-05-27
Caicedonia	CAIC	Colombia	4.3202N	75.8143W	1458	
Caico	CAI	Rio Grande do Norte,Brazil	6.5260S	37.1380W	190	From 1983-05-31
Caiguire	CAIV	Venezuela	10.4695N	64.1731W	40	From 1993-04-01
Cairn Curran	CCRM	Victoria,Australia	36.9906S	143.9722E	230	
Cairnmuir Flats	CFC	South Island,New Zealand	45.1826S	169.2923E	576	From 1986-12-09 to 1996-04-28
Cairnmuir Mts	CMCZ	South Island,New Zealand	45.1476S	169.2751E	1039	From 1986-12-09 to 1996-04-29
Cairns Hard Rock	CN1H	Queensland,Australia	16.9110S	145.7110E	134	From 2012-01-01
Cairns-h seis/acc	CNS1	Queensland,Australia	16.9541S	145.7359E	129	
Cairns Soft Rock	CN2S	Queensland,Australia	17.0215S	145.7240E	59	From 2012-01-01
Cairns State High School	AUCSH	Queensland,Australia	16.9200S	145.7700E	17	From 2013-08-11
Cairo Montenotte	CKI	Italy	44.4197N	8.2786E	350	From 1983-10-01 to 2002-02-07
Cajamarca	PP16	Peru	7.1300S	78.5160W	2750	
Cakiroluk	DNZL	Turkey	37.6897N	29.0464E	1716	From 2002-11-06 to 2013-06-01
CAL	CSCAL	Costa Rica	9.6610N	84.6707W	89	From 2002-04-11 to 2002-10-01
Calabasas	CALB	California,U.S.A.	34.1401N	118.6284W	276	From 1994-01-01 to 2002-12-31
Calabogie	G55A	Ontario,Canada	45.2532N	76.7187W	228	From 2012-11-09
Calabor	ECAL	Spain	41.9413N	6.7371W	950	
Calabrutti - M.te Cervialto	MCRV	Italy	40.7826N	15.1684E	1191	From 2005-07-10
Calachota	PP02	Peru	12.6273S	75.9783W	1655	
Calama	CAC	Antofagasta,Chile	22.4797S	69.0261W	2000	
Calar Alto	ACLR	Spain	37.1897N	2.5822W	1490	
Calarasi	CLS1	Romania	44.1919N	27.3305E	22	From 2015-08-20
Calaveras Res.	CALM	California,U.S.A.	37.4512N	121.7990W	265	From 1967-10-19
Calaveras Reservoir	CVR	California,U.S.A.	37.4512N	121.7990W	265	From 1967-10-19
Calayan Island, Cagayan	CICP	Luzon	19.2650N	121.4810E	40	From 2016-05-05
Calcutta	CAL	West Bengal,India	22.5359N	88.3309E	14	
Caldarusani	CDB	Romania	44.6769N	26.2706E	85	From 1979-01-01 to 1999-08-25
Caldas da Rainha	PCDRA	Portugal	39.4102N	9.1366W	56	From 2016-06-15
Caldas Novas	COR2	Goias,Brazil	17.7433S	48.6892W	950	
Caldeira	CALA	Azores,Portugal	38.5814N	28.7019W	875	
Caldeiras da Ribeira Grande	PCALD	Azores,Portugal	37.7972N	25.4877W	272	From 2011-04-10
Caldera	CDCH	Atacama,Chile	27.0674S	70.8215W	25	From 2004-07-30
Caldera	CLD	Atacama,Chile	27.0833S	70.9333W		
Caldiran	CLDR	Turkey	39.1431N	43.9170E	2087	From 2004-12-16
Caldwell North Station	KAN09	Kansas,U.S.A.	37.1361N	97.6183W	371	From 2014-08-21
Caldwell Ranch, Toyah	326A	Texas,U.S.A.	31.3165N	103.9786W	982	From 2008-03-19 to 2010-02-14
Caldwell West Station	KAN17	Kansas,U.S.A.	37.0441N	97.7648W	355	From 2015-04-16
Calebasse	PMCB	Martinique,France	14.7968N	61.1487W	730	
Calectric	CLTC	California,U.S.A.	34.0928N	117.3169W	325	
Caledonia	S42A	Missouri,U.S.A.	37.7700N	90.7939W	315	From 2011-07-24 to 2013-04-07
Caledonia Mountain	LMN	New Brunswick,Canada	45.8520N	64.8060W	363	From 1981-10-28
Calern	CALF	Provence-Cote d'Azur,France	43.7523N	6.9220E	1242	From 1994-07-19
Calern	CALN	Provence-Cote d'Azur,France	43.7522N	6.8894E	1430	From 1982-06-01 to 2011-02-01
Calero Reservoir	CB2	California,U.S.A.	37.1908N	121.7650W	230	From 1968-10-01 to 1968-10-16
Caleta Bueno	CTBN	Antofagasta,Chile	22.4550S	70.2515W	169	From 2007-11-25
Caleta Campos	CCMX	Michoacan,Mexico	18.0533N	102.7500W		
Calexico	5053	California,U.S.A.	32.6695N	115.4925W	2	From 1997-03-13
Calhoun	X51A	Georgia,U.S.A.	34.5658N	84.8574W	214	From 2012-04-05
Calhoun Falls	CHF	South Carolina,U.S.A.	34.0247N	82.5867W	152	From 1977-02-14 to 1989-04-30
CALICANTO	CLCV	Venezuela	10.2633N	67.5936W	554	From 2004-06-30
Calice al Cornoviglio	CALI	Italy	44.2413N	9.8348E	410	From 1995-04-01 to 2009-09-30
Calico Hills	CDH5	Nevada,U.S.A.	36.8631N	116.3148W	1077	From 1980-02-01 to 2002-10-10
Calico Hills	CDH1	Nevada,U.S.A.	36.8631N	116.3148W	1407	From 1980-02-01 to 2002-10-10
Caliente	CQ-NV	Nevada,U.S.A.	37.9042N	114.4708W	1804	
Calif City Airpt	CCAC	California,U.S.A.	35.1525N	118.0165W	710	
California City	CALC	California,U.S.A.	35.1035N	117.9480W	722	
California State, Hayward	CSH	California,U.S.A.	37.6575N	122.0530W	170	From 1972-01-01
Clilabad	GLBA	Azerbaijan	39.2420N	48.3930E	147	From 2003-08-01
Calipatria	CLIC	California,U.S.A.	33.1408N	115.5270W	-59	
Calipatria 2	CLI2	California,U.S.A.	33.1211N	115.5802W	-60	From 2016-05-12
Cali,SGC	RAC02	Colombia	3.3720N	76.5300W	988	From 2011-09-25
Calistoga	CLS	California,U.S.A.	38.6367N	122.5850W	457	
Calitri	CLTR	Italy	40.9000N	15.4408E	670	
Calitri	CLT3	Italy	40.9030N	15.4043E	525	
Callahan	M02C	California,U.S.A.	41.3920N	122.8538W	960	From 2005-06-30 to 2007-11-14
Callao Caves	CVP	Luzon,Philippines	17.7030N	121.8220E	60	From 1976-05-01
Calle Reynoso Pleasanton	C062	California,U.S.A.	37.6675N	121.9034W	86	From 2012-04-27
Calliham	EF74	Texas	28.4376N	98.4242W	95	From 2018-12-17
Calls Hollow Road	CHRY	New York,U.S.A.	41.2081N	74.2211W	183	
Cal Nev Ari	W12A	Nevada,U.S.A.	35.3010N	114.8701W	774	From 2006-03-25 to 2008-10-14
Calobre, Veraguas	CALO3	Panama	8.3210N	80.8410W	147	From 2010-01-01
Cal Poly Pomona	CPPC	California,U.S.A.	34.0602N	117.8090W	205	
Calstate	BAKC	California,U.S.A.	35.3444N	119.1044W	116	
Cal. St., Hayward	CSHM	California,U.S.A.	37.6575N	122.0530W	170	From 1972-01-01
Caltabellotta	CLTB	Sicily,Italy	37.5786N	13.2156E	957	
CALTAGIRONE	CLG1	Italy	37.2214N	14.5182E	0	From 2013-10-10
Caltanissetta	CLTS	Italy	37.4787N	14.0537E	559	From 2023-01-18
Caltech Broad	CBCC	California,U.S.A.	34.1401N	118.1275W	239	
Caltech Cellar	CACC	California,U.S.A.	34.1368N	118.1220W	230	
Caltech--GSA	GSA	California,U.S.A.	34.1368N	118.1283W	234	
Caltech Rob'n Pit	CRPC	California,U.S.A.	34.1362N	118.1271W	233	
Calugareni	CGN	Romania	44.1667N	26.0000E	78	
Calvario	CALV	Ecuador	1.5220S	77.9088W	1180	From 1994-01-21
Calvi	CVF	Corse,France	42.5675N	8.8694E	530	From 1975-10-01 to 1989-11-13
Calviac	CAF	Midi-Pyrenees,France	44.9258N	2.0644E	630	From 1977-09-01
Calvinia	CVNA	Cape Province,South Africa	31.4822S	19.7617E	1050	From 2004-03-01
Calvinia	CVN	Cape Province,South Africa	31.4500S	19.7617E	1050	
Calvizzano	CCLV	Italy	40.9093N	14.1639E	139	From 2008-10-01
Calx Mountain	CLX	Montana,U.S.A.	48.2084N	115.1330W	1975	
Camacan, BA	CMC01	Brazil	15.3601S	39.5191W	169	From 2014-04-09
Camacho	PT10	Peru	12.0750S	76.9690W	274	From 1984-03-12
Camaiore	TCMO	Italy	43.9411N	10.3167E	41	From 2008-03-11
Camaiore	CMRE	Italy	43.9543N	10.3012E	385	
Cam and Jess, Hughton	140A	Louisiana,U.S.A.	32.6408N	93.5740W	56	From 2011-02-12 to 2012-11-10
Camapuan	CAMA	Mato Grosso,Brazil	19.5791S	54.1688W	482	
Camarda	MI06	Italy	42.3894N	13.4979E	807	From 2009-04-27 to 2009-06-09
Camardi-Nigde	CMRD	Turkey	37.6623N	34.9902E	1234	From 2013-11-21
Camaret-sur-Mer, Bretagne, France	CAMF	Bretagne	48.2691N	4.6147W	105	From 2014-03-17
Camarillo Hills	CAMC	California,U.S.A.	34.2545N	119.0333W	268	
Camarioca	CAMR	Cuba	23.0600N	81.3702W	77	
CAMARONES	EC08	Ecuador	0.4482S	79.9511W	278	From 2016-05-15
Camas Ranch	MFID	Idaho,U.S.A.	43.4151N	115.8278W	1302	
Camballin, Kimberley	KIM05	Western Australia	17.9906S	124.1914E	50	From 2021-08-03
Cambeca, A0297	B0297	Mozambique	19.2337S	33.8223E	272	
Cambria	PCBM	California,U.S.A.	35.5184N	121.0607W	164	
Cambridge	CAM	Massachusetts,U.S.A.	42.3833N	71.1167W	5	From 1908-01-01 to 1930-12-31
Cambridge Bay Array Beam Reference Point	CBAR	Northwest Territories,Canada	69.1266N	105.1120W	40	
Cambridge Bay Array Site 1	CB01	Northwest Territories,Canada	69.1760N	105.2093W		
Cambridge Bay Array Site 11	CB11	Northwest Territories,Canada	69.1509N	105.0547W		
Cambridge Bay Array Site 12	CB12	Northwest Territories,Canada	69.1371N	105.1172W		
Cambridge Bay Array Site 13	CB13	Northwest Territories,Canada	69.1183N	105.1862W		
Cambridge Bay Array Site 14	CB14	Northwest Territories,Canada	69.1305N	105.2570W		
Cambridge Bay Array Site 15	CB15	Northwest Territories,Canada	69.1426N	105.3316W		
Cambridge Bay Array Site 16	CB16	Northwest Territories,Canada	69.1722N	105.3412W		
Cambridge Bay Array Site 17	CB17	Northwest Territories,Canada	69.1991N	105.3583W		
Cambridge Bay Array Site 18	CB18	Northwest Territories,Canada	69.2125N	105.2905W		
Cambridge Bay Array Site 19	CB19	Northwest Territories,Canada	69.2322N	105.2324W		
Cambridge Bay Array Site 2	CB02	Northwest Territories,Canada	69.1939N	105.1457W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cambridge Bay Array Site 3	CB03	Northwest Territories,Canada	69.1620N	105.1299W		
Cambridge Bay Array Site 31	CB31	Northwest Territories,Canada	69.1266N	105.1120W		
Cambridge Bay Array Site 32	CB32	Northwest Territories,Canada	69.2420N	105.5848W		
Cambridge Bay Array Site 33	CB33	Northwest Territories,Canada	69.3894N	105.2630W		
Cambridge Bay Array Site 34	CB34	Northwest Territories,Canada	69.2688N	104.8210W		
Cambridge Bay Array Site 35	CB35	Northwest Territories,Canada	69.2628N	105.2073W		
Cambridge Bay Array Site 4	CB04	Northwest Territories,Canada	69.1483N	105.1999W		
Cambridge Bay Array Site 5	CB05	Northwest Territories,Canada	69.1592N	105.2594W		
Cambridge Bay Array Site 6	CB06	Northwest Territories,Canada	69.1885N	105.2779W		
Cambridge Bay Array Site 7	CB07	Northwest Territories,Canada	69.2033N	105.2156W		
Cambridge Bay Array Site 8	CB08	Northwest Territories,Canada	69.2228N	105.1513W		
Cambridge Bay Array Site 9	CB09	Northwest Territories,Canada	69.2125N	105.0797W		
Cambridge (NY)	CAMB	New York,U.S.A.	43.0488N	73.2967W	287	
Cambutal, Los Santos	CAMBU	Panama	7.2670N	80.4870W	24	From 2010-01-01
Camdeboo Natn. Park, Graaff-Reinet, Eastern Cape	GRAF	South Africa	32.2790S	24.4899E	870	From 2016-07-19
Camden	249A	Alabama,U.S.A.	31.9752N	87.1225W	66	From 2012-01-21
Camden Bay	C26K	Alaska,U.S.A.	69.9175N	144.9122W	139	From 2016-06-24
Camedo, Paratoia di Spurgo TI	SCAS2	Switzerland	46.1552N	8.6146E	502	From 2016-08-15
Cameli-Denizli	CAME	Turkey	36.9435N	29.3023E	1391	From 2014-10-15
Camerino	CMRN	Italy	43.1392N	13.0718E	607	From 2019-10-17
Camerino	CMR	Italy	43.1333N	13.0667E		
Camerino	CIO	Italy	43.1950N	13.1440E	956	
Camerino, Frazione Baregnano (MC)	T1220	Italy	43.1102N	13.0889E	473	From 2016-10-27 to 2018-07-04
Camiling. Tarlac	CATP	Philippines	15.6294N	120.3536E	74	
Camilla	353A	Georgia,U.S.A.	31.3474N	84.2172W	54	From 2012-03-09
Camiri	BS06	Bolivia	20.0393S	63.5187W	807	From 2012-06-01
Camlidere-ANKARA	CMDR	Turkey	40.4942N	32.4750E	1305	From 2011-08-05
Campagna	CMP3	Italy	40.6519N	15.0802E	958	
Campaka, Jawa Barat	CCJM	Indonesia	7.0169S	107.1402E	48	From 2019-01-01
Campana	CMPN	Italy	39.4076N	16.8303E	535	From 2016-12-22
CAMPBELL BAY	CMBY	Andaman Islands,India	7.0109N	93.9266E	10	From 2008-02-13
Campbell Island	CBZ	Campbell Island,New Zealand	52.5508S	169.1590E	30	From 1966-12-01 to 1990-02-25
Campbellpur	CBP	Pakistan	33.7325N	72.2302E		From 1973-08-23 to 2009-09-20
Campbell River	CBB	British Columbia,Canada	50.0328N	125.3650W	317	From 1981-01-28
Campbellton	EF52	Texas	28.8436N	98.2018W	115	From 2019-04-26
Camp Ben Lomond	JBLM	California,U.S.A.	37.1282N	122.1680W	792	From 1976-04-27
Camp Century	CCG	Greenland	77.1667N	61.1333W	1920	From 1962-11-30 to 1963-02-25
Camp Classen	CCOK	Oklahoma,U.S.A.	34.4577N	97.1556W	293	From 1994-08-10
Camp Creek Bald	CCNC	North Carolina,U.S.A.	36.0236N	82.7147W	1452	
Campeare	CAMV	Venezuela	10.5510N	63.3220W	1002	
Camp Elliot	CPE	California,U.S.A.	32.8889N	117.1051W	150	From 1972-11-01
Camp Elliot, Miramar	109C	California,U.S.A.	32.8889N	117.1051W	150	From 2004-05-04
Campello sul Clitunno, Frazione Spina Nuova (PG)	T1221	Italy	42.8605N	12.8470E	954	From 2016-10-30 to 2018-07-04
Camp Garcia	CGV	Puerto Rico	18.1328N	65.3173W	130	From 1978-03-01 to 2002-10-10
Campi Felrei, Via Diocleziano, Osservatorio Vesuviano(Sede)	CDVS	Italy	40.8197N	14.1828E	18	From 2011-05-28 to 2999-12-31
Campi Felrei, Via Metastasio CNR - IRC	CMTS	Italy	40.8314N	14.1972E	40	From 2016-02-05 to 2999-12-31
Campi Flegrei, Astroni est, (NA) Italy	CASE	Italy	40.8410N	14.1592E	105	From 2000-07-28
Campi Flegrei, Astroni ovest, (NA) Italy	CAWE	Italy	40.8404N	14.1392E	226	From 2015-07-01
Campi Flegrei Bagnoli (NA) Italy	CBAG	Italy	40.8115N	14.1747E	5	From 2014-05-20
Campi Flegrei Boa1 Golfo di Pozzuoli (NA) Italy	CFB1	Italy	40.8103N	14.1212E	-40	From 2016-07-01
Campi Flegrei Boa2 Golfo di Pozzuoli (NA) Italy	CFB2	Italy	40.8042N	14.1338E	-74	From 2016-07-01
Campi Flegrei Boa3 Golfo di Pozzuoli (NA) Italy	CFB3	Italy	40.8090N	14.1442E	-38	From 2016-07-01
Campi Flegrei Capo Miseno Bacoli (NA) Italy	CMIS	Italy	40.7782N	14.0890E	82	From 2015-10-12
Campi Flegrei Castello di Baia (NA) Italy	CBAC	Italy	40.8110N	14.0807E	33	From 2009-09-15
Campi Flegrei Monte Olibano Pozzuoli(NA) Italy	COLB	Italy	40.8190N	14.1446E	8	From 2001-07-06
Campi Flegrei Monterusciello, Napoli (NA)	CMRU	Italy	40.8437N	14.0935E	130	From 2022-01-01
Campi Flegrei Monte S.Angelo, Napoli (NA), Italy	CMSN	Italy	40.8382N	14.1818E	20	From 2008-11-28
Campi Flegrei Nisida, Napoli (NA), Italy	CNIS	Italy	40.7968N	14.1633E	3	From 1983-01-01
Campi Flegrei Oasi WWF Monte Nuovo Pozzuoli (NA) Italy	CMNV	Italy	40.8329N	14.0904E	50	From 2014-09-23
Campi Flegrei Pisciarelli Agnano(NA) Italy	CPIS	Italy	40.8292N	14.1470E	69	From 2010-01-29
Campi Flegrei, Pozzuoli, Arco Felice, (NA) Italy	CAFL	Italy	40.8439N	14.0935E	75	From 2006-02-01
Campi Flegrei, Pozzuoli harbour, (NA) Italy	CPOZ	Italy	40.8211N	14.1187E	2	From 2011-07-11
Campi Flegrei Pozzuoli - Via Celle, Napoli (NA)	CELLE	Italy	40.8327N	14.1230E	70	From 2022-01-01
Campi Flegrei Quarto-Est, Napoli (NA)	CQUE	Italy	40.8856N	14.1538E	65	From 2022-01-01
Campi Flegrei Sea Bottom Golfo di Pozzuoli (NA) Italy	CFSB	Italy	40.7978N	14.1198E	-96	From 2006-04-01
Campi Flegrei Solfatara Bordo Est (NA) Italy	CSOB	Italy	40.8267N	14.1439E	177	From 2007-01-10
Campi Flegrei Solfatara Pozzuoli (NA) Italy	CSFT	Italy	40.8290N	14.1395E	108	From 2013-01-10
Campi Flegrei Tennis Hotel, Pozzuoli (NA), Italy	CSTH	Italy	40.8297N	14.1500E	40	From 1983-01-01
Camp Murray	MURR	Washington,U.S.A.	47.1200N	122.5600W	10	
Campo	T27A	Colorado,U.S.A.	37.0614N	102.7214W	1366	From 2008-12-17 to 2010-11-08
Campo	CP-CL	California,U.S.A.	32.7289N	116.3711W	1189	From 1961-10-01 to 1966-03-31
Campo	CP-	California,U.S.A.	32.7289N	116.3711W	1189	From 1961-10-01 to 1966-03-31
Campobasso Ospedale Gemelli	CBHG	Italy	41.5480N	14.6148E	956	From 2022-10-07
Campobasso Palace Hotel	CBPH	Italy	41.5572N	14.6657E	718	From 2022-10-06
Campo, CM01	ACM01	Cameroon	2.3890N	9.8340E	330	
Campo deTiro de Alcochete	AML04	Portugal	38.7770N	8.8783W	129	From 2019-10-02
Campo Grande	CGTX	Texas,U.S.A.	31.3267N	105.7100W	1305	
Campone	CM6*	Sicily,Italy	38.2069N	15.4603E	0	From 1966-01-01 to 1967-01-01
Campora	CMPR	Italy	40.3181N	15.3030E	732	From 2005-10-13
Campos	CMPB	Brazil,Brazil	21.7840S	41.4291W	56	
Campos-RJ	CAM01	Rio de Janeiro,Brazil	21.8257S	41.6574W	31	From 2011-01-30
Campotenese	T0715	Italy	39.8384N	16.0683E	1044	From 2011-11-28 to 2999-12-31
Campotosto	CAMP	Italy	42.5358N	13.4090E	1283	From 2003-10-06
Campo Tres	CEGR	Colima	19.3908N	103.8573W	1500	
Campotto Po	CMPO	Italy	44.5808N	11.8056E	2	From 2007-02-21
Camp Pendleton	CPT	California,U.S.A.	33.3025N	117.3400W	61	From 1975-01-01
Camp Six	KSXM	California,U.S.A.	41.8308N	123.8768W	1120	
Camp Six Broadband	KSXB	California,U.S.A.	41.8304N	123.8769W	1136	
Camp Tracy	CTU	Utah,U.S.A.	40.6925N	111.7503W	1731	
Campul lui Neag	BVPR	Romania	45.3001N	23.0603E	833	From 2023-02-21
Campulung	CMP	Romania	45.2683N	25.0383E	598	From 1943-03-01
Campulung	CMP1	Romania	45.2652N	25.0457E	585	From 2015-09-01
Campus Universitario de Almeria	AALM	Spain	36.8300N	2.4017W	10	
Camp Williams	CWU	Utah,U.S.A.	40.4459N	112.1020W	1945	From 1974-10-01
Camsell Lake	CAMN	Northwest Territories,Canada	63.7321N	110.8989W	420	
CAN	CANC	Baja California	31.9988N	116.2618W	741	
Cana Brava	CAN3	Goias,Brazil	13.0993S	48.2898W	333	From 2008-01-01
Canada Road	HCAM	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canada Road	CDC	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canada Road	AN7*	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canadian Museum of Nature	OTNM	Ontario,Canada	45.4121N	75.6891W	72	From 2003-06-11
Canakkale	CANB	Turkey	40.0167N	27.0624E	230	From 2004-10-02
Canakkale	COMU	Turkey	40.0990N	26.4736E	409	From 2016-12-28
Canakkale, Ayvacik-Kocakoy	KOCA	Turkey	39.5022N	26.1383E	292	From 2014-12-01
CANAKKALE_Bayramic	BAYC	Turkey	39.7413N	26.5469E	349	From 2011-09-30
Canakkale, Eceabat-Seddulbahir	ECEA	Turkey	40.0445N	26.1742E	23	From 2014-12-01
anakkale-Gkeada	GOKA	Turkey	40.1908N	25.9077E	81	From 2014-05-25 to 2017-12-18
Canale Monterano - RM	TO03	Italy	42.1280N	12.0482E	223	From 2008-05-14 to 2009-04-02
Canalete	CANAL	Costa Rica,Costa Rica	10.8330N	85.0545W	118	
Canalobre	ACU	Spain	38.5114N	0.4106W	580	From 1985-03-01
Canania-SP	JAC01	Sao Paulo,Brazil	24.8114S	48.1024W	297	From 2011-01-30
Canarana	CNRN	Mato Grosso	13.7976S	51.9921W	278	From 2015-07-01
Canas	CNAS	Costa Rica,Costa Rica	10.4310N	85.0920W	56	
Canazas, Veraguas	CNAZ3	Panama	8.3490N	81.2080W	59	From 2010-01-01
Canberra	CAN	Australian Capital Territory,Australia	35.3208S	148.9990E	700	From 2006-08-20
Canberra Magnetic Observatory	CNB	Australian Capital Territory,Australia	35.3150S	149.3630E	850	
Can-anakkale	CANM	Turkey	40.0114N	27.0529E	180	From 2017-02-22
Cancha de Quillay	G13S	Maule	35.3782S	71.9608W	375	
Candarli	CAND	Turkey	38.9543N	26.8030E	158	From 2011-07-24
Candarli	RFT7	Turkey	38.9573N	26.9208E	129	From 2017-06-18
Candela	FG4	Italy	41.1319N	15.5175E	450	
Candelaria	PCAN	Azores,Portugal	38.4637N	28.4853W	400	
Candelaria	PCND	Azores,Portugal	38.4691N	28.4624W	650	From 2005-09-01
Candelaria	CANR	Nevada,U.S.A.	38.1097N	118.1932W	2015	
Candelaria, PLMA	PLMAC	Costa Rica	10.0332N	84.4120W	1047	
Candelarita	CANG	Costa Rica	9.8010N	84.3620W	294	
Candle	CDL	Alaska,U.S.A.	66.1140N	161.6570W	65	
Candoni, Negros Occidental, Philippines	CNOP	Negros	9.8277N	122.6394E	50	From 2014-04-09
Canebrake	CBKC	California,U.S.A.	32.8995N	116.2520W	414	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cane Creek	CCAR	Arkansas,U.S.A.	33.9172N	91.7716W	72	
Canehill	V38A	Arkansas,U.S.A.	35.8626N	94.4077W	372	From 2010-06-15 to 2012-02-17
Canela	CNLB	Rio Grande do Sul,Brazil	29.3143S	50.8527W	705	
Caneva	CAE	Italy	46.0067N	12.4367E	870	From 1983-04-23
Canfield Road	NCFM	California,U.S.A.	38.3213N	122.7960W	98	From 1970-08-14
Canfranc	CANF	Spain	42.7637N	0.5175W	1205	From 2011-03-04
Canisius	CANY	New York,U.S.A.	42.9255N	78.8528W	192	From 1978-12-01 to 1982-03-18
Canisius College, New York, USA	CCNY	New York,U.S.A.	42.9273N	78.8551W	194	From 2013-12-05
Canitas, Panama	CNTA3	Panama	9.2200N	78.8890W	100	From 2010-01-01
Cankiri	CANT	Turkey	40.6061N	33.6196E	815	
Canlaon	VCN	Negros,Philippines	10.3970N	123.2070E	590	
Cannet Maures	CMF	Provence-Cote d'Azur,France	43.3573N	6.3895E	152	
Canning Dam	CANN	Western Australia,Australia	32.1522S	116.1277E	135	
Cannon Point	CAW	North Island,New Zealand	41.1072S	175.0665E	283	From 1976-05-11
Canoas	CDITO	Costa Rica	8.5733N	82.8727W	118	
Cano Negro, CANO	CAON	Costa Rica	10.8978N	84.7973W	72	
Canossa - RE	RE02	Italy	44.5672N	10.4673E	500	From 2008-12-28 to 2009-02-12
Canova, Magliolo (SV)	CANO	Italy	44.2075N	8.2372E	638	From 2015-09-01
Canovanas	CBYB	Puerto Rico	18.3000N	65.8000W	550	
Canovanas	CBYP	Puerto Rico	18.2716N	65.8566W	606	
Canta Gallo	CGLLO	Panama	8.3600N	82.6310W	18	
Cantalupo del Sannio	CLPS	Italy	41.5220N	14.3921E	584	From 2019-05-23
Cantantal	ACAN	San Luis,Argentina	32.2742S	67.1885W	634	
CANTERA SAN PLACIDO	SNPL	Ecuador	1.0639S	80.2190W	112	From 2016-05-18
Canterbury Laser	CRLZ	South Island,New Zealand	43.5747S	172.6232E	55	From 1996-02-22
Cantiano	CNTN	Italy	43.4729N	12.6303E	416	From 2019-04-16
Cantley	CALQ	Quebec	45.5857N	75.8084W		
Cantone	ATCA	Italy	43.5659N	12.2661E	687	From 2010-05-18
Cantwell	CNA	Alaska,U.S.A.	63.3964N	148.9450W	700	From 1971-08-01 to 1976-09-30
Canyon Day Junior High, Whiteriver	Y18A	Arizona,U.S.A.	33.7776N	110.0341W	1512	From 2007-04-11 to 2009-02-05
Canyon Junction	CJW	Wyoming,U.S.A.	44.7343N	110.4980W	2395	From 1974-10-01 to 1999-08-25
Canyon Junction	YPCJ	Wyoming,U.S.A.	44.7438N	110.4975W	2426	
Canyonlands National Park, Moab	R18A	Utah,U.S.A.	38.3862N	109.8942W	1828	From 2007-06-16 to 2009-03-07
Cao Bang	CBVB	Vietnam	22.6523N	106.1943E	222	From 2006-01-01
Capacho	CAPV	Venezuela	7.8650N	72.3140W	1800	From 2002-08-14
Cape Campbell	CCW	South Island,New Zealand	41.7491S	174.2172E	216	From 1981-01-16 to 2004-04-14
Cape Campbell	CMWZ	North Island,New Zealand	41.7490S	174.2139E	281	From 2003-06-15
Cape Cod National Seashore	L65A	Massachusetts,U.S.A.	42.0295N	70.0528W	50	From 2013-09-27
Cape D'Aguilar	HKCD	Hong Kong,China	22.2092N	114.2597E	40	From 1997-04-23
Cape Darby	CDY	Alaska,U.S.A.	64.3475N	162.7840W	561	
Cape Douglas	CDD	Alaska,U.S.A.	58.9298N	153.6430W	622	From 1981-08-22
Cape Douglas	CDA	Alaska,U.S.A.	58.9553N	153.5290W	386	From 1974-01-01 to 1981-08-16
Cape Douglas, AK	Q19K	Alaska,U.S.A.	58.9287N	153.6446W	631	From 2015-08-15
Cape Frico	AR7	Costa Rica	9.8503N	85.1164W	582	From 1976-05-15 to 1999-08-25
Cape Girardeau	CGM3	Missouri,U.S.A.	37.2978N	89.6582W	148	From 2011-07-01
Cape Girardeau	CGM	Missouri,U.S.A.	37.3167N	89.5333W	134	From 1938-01-01
Cape Gloucester Airport	CGA	New Britain,Papua New Guinea	5.4500S	148.4200E	15	
Cape Good Hope	CGH	Cape Province,South Africa	33.9333S	18.4833E	13	
Cape Hallett	HLL	Victoria Land	72.3139S	170.2170E	2	From 1957-04-01 to 1964-10-31
Cape Kidnappers	CKHZ	North Island,New Zealand	39.6582S	177.0777E	209	From 2007-08-29
Cape Leeuwin Hydroacoustic Site W1	H01W1	Western Australia,Australia	34.8930S	114.1540E	-2598	From 2010-01-24
Cape Leeuwin Hydroacoustic Site W2	H01W2	Western Australia,Australia	34.8985S	114.1338E	-2662	From 2010-01-24
Cape Leeuwin Hydroacoustic Site W3	H01W3	Western Australia,Australia	34.8832S	114.1361E	-2578	From 2010-01-24
Capelo, Faial	PCAPE	Azores	38.5968N	28.8261W	16	From 2015-05-18
Cape Opuk	OPUK	Crimea	45.1159N	36.2430E	80	
Cape Reinga	CRZ	North Island,New Zealand	34.4302S	172.6799E	140	From 1967-10-09 to 1987-07-31
Cape Romanzof	CPR	Alaska,U.S.A.	61.7900N	165.9550W		
Cape Saint James	SJB	British Columbia,Canada	51.9367N	131.0144W	100	From 1982-09-17
Cape San Juan	CSJ	Puerto Rico	18.3830N	65.6180W	66	From 1975-04-01 to 1999-08-25
Cape Sarichef	CSA	Alaska,U.S.A.	54.5944N	164.8750W	152	From 1970-11-28 to 1971-05-18
Cape St.James	STJA	British Columbia,Canada	51.9372N	131.0155W	41	From 2012-11-09
Capetown	KCTM	California,U.S.A.	40.4758N	124.3360W	409	
Cape Town	CTO	Cape Province,South Africa	33.9500S	18.4500E	100	
Cape Wrath	RCR	Scotland,United Kingdom	58.6240N	4.9986W	100	From 1995-09-10
Cape Yakataga	CYT	Alaska,U.S.A.	60.0744N	142.4110W	323	From 1978-08-08 to 1980-09-22
Cape Yakataga	CYK	Alaska,U.S.A.	60.0830N	142.4850W	3	From 1989-01-01
Cap Guir	CGR	Morocco	30.6320N	9.8820W	117	From 2001-06-02
Capistrello	ACAP	Italy	41.9653N	13.3794E	657	From 2011-01-02
Capitan	Y24A	New Mexico,U.S.A.	33.9257N	105.4361W	1827	From 2008-04-24 to 2010-03-21
Capitignano (AQ), Italy	MB08	Italy	42.5156N	13.2789E	828	From 2016-11-30 to 2016-12-12
Capitignano (AQ), Italy	MB10	Italy	42.5140N	13.2931E	851	From 2016-11-30 to 2016-12-12
Capitignano (AQ), Italy	MB01	Italy	42.5240N	13.2765E	837	From 2016-11-30 to 2016-12-12
Capitignano (AQ), Italy	MB04	Italy	42.5218N	13.2739E	827	From 2016-11-30 to 2016-12-12
Capitignano (AQ), Italy	MB05	Italy	42.5254N	13.2909E	879	From 2016-11-30 to 2016-12-12
Capitignano (AQ), Italy	MB03	Italy	42.5225N	13.2841E	845	From 2016-11-30 to 2016-12-12
Capitignano Campo Calcio	CP01	Italy	42.5246N	13.2876E	885	From 2016-08-29
Capitignano, Mopolino alta	CP04	Italy	42.5253N	13.3016E	957	From 2016-08-30
Capitignano Paganica asilo nido	CP07	Italy	42.5075N	13.2751E	842	From 2016-08-30
Capitignano, Paterno campo sportivo	CP06	Italy	42.5350N	13.2859E	900	From 2016-08-29
Capitignano, via della Repubblica	CP02	Italy	42.5239N	13.2960E	898	From 2016-08-29
Capitignano, via di Sopra	CP05	Italy	42.5205N	13.3027E	925	From 2016-08-29
Capitol Peak	CPW	Washington,U.S.A.	46.9738N	123.1360W	792	From 1970-07-29
Capo Colonna	MUSE	Italy	39.0243N	17.1990E	24	From 2003-11-18
Capodarco di Fermo	CADA	Italy	43.1942N	13.7614E	148	From 2008-12-16
Capodimonte	CAP	Italy	40.8667N	14.2500E	129	
Capo d'Orlando	MCPD	Sicily,Italy	38.1200N	14.7300E	139	From 2012-06-13
Capo Mulini Mare	SN1	Italy	37.5476N	15.3975E	-2065	From 2006-02-09
Capo Vaticano	CVI	Italy	38.5923N	15.9038E		From 1978-04-01
Capo Vaticano	CV6*	Sicily,Italy	38.6089N	16.8842E		From 1966-04-01 to 1966-05-01
Cappella Vecchia, Vesuvio (NA), Italy	CPV	Italy	40.7822N	14.4222E	190	From 1992-02-18
Capps Glacier	CGLM	Alaska,U.S.A.	61.3077N	152.0070W	1082	
Capracotta	CPCA	Italia	41.4995N	14.1581E	1302	From 2019-09-24
Capraia (LI)	A317A	Italy	43.0500N	9.8424E	35	From 2015-12-15
Capra Ranch	CAPCA	California,U.S.A.	33.3882N	117.1949W	285	
Caprese Michel	CRE	Italy	43.6197N	11.9508E	1170	From 1983-10-01
Capriano del Colle	LEOD	Italy	45.4582N	10.1234E	92	From 2007-07-18 to 2018-05-24
Capriano del Colle, Italy	CADC	Italy	45.4555N	10.1287E	106	From 2018-05-24
Capricchia	MZ14	Italy	42.6254N	13.3573E	1391	From 2016-09-20 to 2016-11-10
Capricchia	MZ64	Italy	42.6220N	13.3390E	1111	From 2016-09-29 to 2016-10-27
Capriolo	CAPR	Italy	45.6372N	9.9345E	215	From 2006-05-31
Caprock	Z26A	New Mexico,U.S.A.	33.2716N	103.9798W	1163	From 2008-04-17 to 2010-03-05
Cap Rock	CPRX	New Mexico,U.S.A.	33.0308N	103.8670W	1356	
Cap Spartel	CPS	Morocco	35.7860N	5.9070W	355	
Captain Cook	CPH	Hawaii,U.S.A.	19.4882N	155.9180W	323	From 1973-09-20
Captain Cook Nikiski	CAPN	Alaska,U.S.A.	60.7683N	151.1539W	47	From 2013-07-01
Capuchin	PSDCN	Caribbean Sea	15.6328N	61.4598W	90	From 2019-06-01
Capurgana	CAPC	Colombia	8.6353N	77.3515W	100	
Capurgana	CAP2	Colombia	8.6500N	77.3600W	229	
Caqueza, Cundinamarca	CAQC	Colombia	4.4022N	73.9861W	2041	From 2016-04-30
Carabinieri Stazione Gianicolense, Rome	NR22	Italy	41.8825N	12.4553E	65	From 2021-01-20 to 2021-04-06
Carabinieri Stazione Quadraro, Rome	NR20	Italy	41.8664N	12.5489E	42	From 2021-01-20 to 2021-04-06
Carabinieri Stazione S. Pietro, Rome	NR15	Italy	41.8984N	12.4524E	27	From 2021-01-20 to 2021-04-06
Caracas	CAR	Venezuela	10.5070N	66.9280W	1035	From 1962-05-24
Caracas	CARV	Venezuela	10.5037N	66.9289W	1035	From 2012-07-29
Caracol de Corredores, Puntarenas	CCOL	Costa Rica	8.4075N	82.9734W	89	From 2014-10-01
Carai MG	CAR01	Rio de Janeiro	17.0642S	41.3540W	697	
Caransebes	CRBR	Romania	45.4108N	22.2383E	284	From 2021-10-27
Carapari	BB05	Bolivia	21.8322S	63.7390W	876	From 2012-03-08
Carapelle Calvisio	RM27	Italy	42.3018N	13.6799E	947	From 2009-06-18 to 2009-08-31
Carapungo - Pichincha	CRPG	Ecuador	0.1041S	78.4544W	2650	From 2015-09-11
Carate, playa Osa	POSA	Costa Rica	8.4600N	83.4617W	156	From 2021-10-13
Carate, Puerto Jimenez, Puntarenas	PIRO	Costa Rica	8.4041N	83.3364W	40	From 2015-06-04
Caraubas	LSCB	Rio Grande do Norte	5.7236S	37.4775W	178	From 2021-06-30
Caraveli	CRV	Peru	15.7844S	73.3731W	1780	
Caravelle	CRM	Martinique,France	14.7537N	60.9155W	180	From 1973-01-01
Carbondale	S44A	Illinois,U.S.A.	37.6936N	89.2551W	155	From 2011-05-20
Carbondale, N11	NCR11	Colorado	39.3358N	107.2123W	1939	
Carbonia-Iglesias, Loc. Su Bruncu	SU26	Sardinia	39.1230N	8.4904E	66	From 2017-03-06
Carcaliu	CFR	Romania	45.1780N	28.1362E	52	From 1977-03-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Carcanieres	CARF	Midi-Pyrenees,France	42.7160N	2.1055E	1220	From 1998-07-10
Cardinia	CDNM	Victoria,Australia	37.9462S	145.4252E	252	
Cardoso	CARD	Italy	44.0261N	10.4821E	380	From 2013-02-06
Cardoso	CRDM	Italy	44.0262N	10.4818E	370	From 2006-01-01 to 2013-02-05
Careggine (LU)	T0916	Italy	44.1246N	10.3187E	871	From 2013-06-22 to 2013-09-25
Carei	CEI	Romania	47.6850N	22.4585E	125	From 1979-01-01
Carei	CEIR	Romania	47.6865N	22.4960E	198	From 2021-12-16
Carenage, Cap-Haitien, Nord	NCAP1	Haiti	19.7670N	72.1949W	2	From 2021-07-24
Carey	J14A	Idaho,U.S.A.	43.3234N	113.5178W	1649	From 2007-08-11 to 2009-06-01
Cariacou	GRCU	Grenada	12.4711N	61.4529W	240	
Cariari	CARI	Costa Rica,Costa Rica	10.3640N	83.7360W	74	
Cariblanco	CBLA	Costa Rica	10.2773N	84.1830W	889	
Caribou	CBM	Maine,U.S.A.	46.9325N	68.1208W	250	From 1962-10-01 to 1994-12-31
Carife	CAFE	Italy	41.0280N	15.2366E	1070	From 2005-07-10
CARIFE	CAR22	Italy	41.0344N	15.2694E	766	From 2016-08-24
Carira, Sergipe, Brazil	CRRB	Sergipe,Brazil	10.2505S	37.5998W	237	From 2011-05-23 to 2013-02-22
Cariri, TO, Brazil	RET3	Tocantins,Brazil	11.8685S	49.2065W	279	From 2008-07-19 to 2012-06-09
Carlentini	HCRL	Sicily,Italy	37.2830N	15.0320E	190	From 1994-05-01
Carlisle	CARL	Western Australia,Australia	31.9835S	115.9267E	2	From 2009-02-14
Carloforte	CRL	Sardinia,Italy	39.1333N	8.3167E	18	
Carlos Bee Bl Hayward	C073	California,U.S.A.	37.6558N	122.0542W	190	From 2013-08-13
Carlsbad	CLNB	New Mexico,U.S.A.	32.2642N	103.8790W	1045	
Carlsbad	CLN	New Mexico,U.S.A.	32.4027N	103.7320W	1094	From 1974-04-05
Carlsbad 2	CLN2	New Mexico,U.S.A.	32.3552N	103.7740W	1100	
Carlsbad 4	CLN4	New Mexico,U.S.A.	32.3533N	104.0290W	975	
Carlsbad 6	CLN6	New Mexico,U.S.A.	32.5208N	103.8790W	1100	
Carlsbad 7	CLN7	New Mexico,U.S.A.	32.4132N	103.8080W	1033	
Carlsbad E Tower	CBET	New Mexico,U.S.A.	32.4205N	103.9900W	1042	
Carlson Angus Ranch, Regent	E26A	North Dakota,U.S.A.	46.4712N	102.4621W	806	From 2009-06-11 to 2011-06-24
Carlson Farm, Erwin	H32A	South Dakota,U.S.A.	44.5041N	97.4363W	573	From 2010-07-31 to 2012-07-21
Carlson Farm, Grass Valley	G06A	Oregon,U.S.A.	45.2357N	120.6351W	780	From 2006-08-15 to 2009-01-08
Carlton	CTON	England	54.2540N	1.9380W	411	From 2023-12-18
Carmagnola	A281A	Italy	44.8534N	7.7099E	292	From 2015-09-16
Carmanah Point Lighthouse	CPLB	British Columbia,Canada	48.6118N	124.7512W	40	
Carmen	CARM	Ecuador	0.2410S	79.4965W	2330	
Carmenet Vineyards, Sonoma	CVS	California,U.S.A.	38.3453N	122.4584W	295	From 1998-05-06
Carmichael	CRG	Guadeloupe,France	16.0542N	61.6592W	1370	
Carmignano	CRMI	Italy	43.7900N	10.9700E	490	From 2006-10-12
Carmo do Cajuru	CDCB	Minas Gerais,Brazil	20.2365S	44.7182W	880	From 1993-01-01
Carnagh Station	CNGZ	North Island,New Zealand	38.4837S	178.2075E	175	From 2006-07-21
Carnarvon,Northern Cape	CRVN	South Africa	30.8091S	22.1090E	1140	From 2021-07-07
Carnasaw Mountain Lookout Tower	CRO	Oklahoma,U.S.A.	34.1499N	94.5556W	302	From 1977-05-17 to 1980-07-23
Carnegie Institution of Washington	DTM	District of Columbia,U.S.A.	38.9567N	77.0644W	67	
Carney Farms, Richland	A22A	Montana,U.S.A.	48.9926N	105.9153W	861	From 2008-09-16 to 2010-07-15
Carnmenellis	CCA1	England,United Kingdom	50.1866N	5.2277W	210	From 1981-01-01
Carnsore Point	ECP	Ireland	52.1800N	6.3689W	5	From 1980-06-01 to 2002-01-06
Carolei	CARO	Italy	39.2540N	16.2190E	618	From 2006-08-07
CAROLEI	CAR1	Italy	39.2534N	16.2114E	679	From 2009-10-21
Carolina, Mapumalanga, South Africa	CRLN	South Africa	25.9949S	30.0227E	1600	From 2015-05-14
Carovilli	CRVI	Italy	41.7239N	14.3056E	910	
Carovilli	CII	Italy	41.7230N	14.3050E	910	
Carpanzano	CARP	Italy	39.1479N	16.3133E	685	From 2017-03-10
Carpegna, Italy	CPGN	Italy	43.8011N	12.3205E	1399	From 2008-12-10
Carpenter Ridge	PV23	Colorado,U.S.A.	38.4520N	109.0112W	2456	
Carpino	PCRP	Italy	41.8390N	15.8615E	124	From 2007-04-22
Carpinone	CPI2	Italy	41.5853N	14.3186E	750	
Carquinez Bridge	CRQB	California,U.S.A.	38.0558N	122.2249W	-63	
Carr	N24A	Colorado,U.S.A.	40.8271N	104.8824W	1695	From 2008-07-08 to 2010-05-18
Carrara	CRRA	Italy	44.0900N	10.1050E	216	
Carrickbyrne, Co Wexford	IWEX	Ireland	52.3743N	6.7745W	179	
Carrickbyrne Hill	ECB	Ireland	52.3661N	6.7811W	125	From 1981-02-01
Carrier	CROK	Oklahoma,U.S.A.	36.5047N	97.9834W	403	From 2013-08-07
Carrier Mills	S45A	Illinois,U.S.A.	37.6774N	88.5804W	122	From 2011-05-19
Carrizo Plain	CARC	California,U.S.A.	35.3082N	119.8458W	765	
Carrizo Plain	CRR	California,U.S.A.	32.8868N	115.9692W	66	From 1973-04-06
Carrizosa	E042	Spain	38.8150N	3.0212W	893	
Carrodano	CARRO	Italy	44.2473N	9.6198E	529	
Carrollton	Z47A	Alabama,U.S.A.	33.1990N	88.0696W	65	From 2011-04-16 to 2013-01-31
Carrot	PCA1	Scotland,United Kingdom	55.7007N	4.2550W	302	From 1983-01-01
Carruther's Hill	CASA	Cape Province,South Africa	34.6990S	19.5900E	187	
Cars	CARS	Ecuador	2.4357S	78.9482W	3940	
Carsoli	CSO1	Italy	42.1009N	13.0880E	680	From 2008-02-26
Carson	E27A	North Dakota,U.S.A.	46.4293N	101.5645W	738	From 2009-07-16 to 2011-06-06
Carson Hill	CRH	California,U.S.A.	38.0187N	120.5100W	475	From 1972-04-19
Carson Hill	MCHM	California,U.S.A.	38.0187N	120.5100W	475	From 1972-04-19
Cartagena	CART	Spain	37.5868N	1.0012W	65	
Cartago	TAGO	Costa Rica,Costa Rica	9.8660N	83.9237W	1448	
Cartago Paso Ancho	CPAN	Costa Rica	9.8710N	83.8660W	2198	From 2013-05-23
Carters Dam	CDG	Georgia,U.S.A.	34.6108N	84.6713W		From 1975-01-01
Carthage	I57A	New York,U.S.A.	43.9377N	75.6599W	321	From 2013-08-26
Carthage	CRHG	Texas,U.S.A.	32.2888N	94.2252W	95	From 2017-09-28
Carthage	CTNY	New York,U.S.A.	43.9879N	75.6453W	187	From 2005-11-08 to 2007-06-27
Carthage	CRNM	New Mexico,U.S.A.	33.9525N	106.7340W	1662	
Cartoceto	CRTC	Italy	43.7685N	12.8830E	195	From 2019-12-18
Cartuja	CRT	Spain	37.1900N	3.5956W	774	
Caruaru	CAUB	Pernambuco,Brazil	8.1768S	36.0093W	479	From 2002-02-07
Caruaru-PE	NBCA	Pernambuco,Brazil	8.2258S	36.0130W	613	From 2011-04-09
Carupano	CRUV	Venezuela	10.6748N	63.2363W	20	From 1993-04-01
Carvers	Q09A	Nevada,U.S.A.	38.8340N	117.1816W	1703	From 2006-04-13 to 2008-03-22
Cary Ranch	CRY	California,U.S.A.	33.5654N	116.7373W	1128	
Caryville	CA-TN	Tennessee,U.S.A.	36.1444N	84.1897W	305	
Caryville	CA-	Tennessee,U.S.A.	36.1444N	84.1897W	305	
Casa Alexandra Alvarado - Tingo	TING	Ecuador	0.2825S	78.4486W	2453	
Casa Benchmark	MCBM	California,U.S.A.	37.6444N	118.8968W	2391	
Casablanca	COBS	Spain	40.7141N	1.3573E	-160	From 2007-11-01
Casacalenda	CSCL	Italy	41.6948N	14.8320E	905	From 2002-11-28
Casa Canada	CORNA	Nicaragua	12.1709N	83.0449W	8	
Casa de Milton Calero-El Garrochal	GARO	Ecuador	0.3355S	78.5354W	3011	From 2016-10-31
Casa de Sandra Vaca-San Rafael	SVAC	Ecuador	0.3218S	78.4912W	2573	From 2016-11-16
Casa Diablo	DBOG	California,U.S.A.	37.6528N	118.9180W	2243	From 1984-07-01
Casa Diablo Hot Springs	MCSM	California,U.S.A.	37.6549N	118.9058W	2417	From 1982-08-05
Casa Diablo Mountain	CASR	California,U.S.A.	37.5748N	118.5520W	2170	From 1980-06-01
Casa Elias Gonzalez en Calderon	CRON	Ecuador	0.0651S	78.4294W	2801	From 2016-11-01
CASAGLIA	FEM0	Italy	44.8793N	11.5460E	-142	From 2020-08-10
Casa Hugo Yepes - Cumbaya	CUMY	Ecuador	0.1909S	78.4137W	2359	
Casa Juvan	CJV	California,U.S.A.	34.5305N	118.1440W	1341	
Casalattico (FR)	T0203	Italy	41.6187N	13.7213E	559	From 2009-10-08 to 2010-01-14
Casalborsetti	PCTE	Italy	44.5700N	12.2677E	0	From 2022-01-28
Casale	MZ02	Italy	42.6699N	13.2858E	963	From 2016-09-19 to 2016-10-26
Casamaina	RM12	Italy	42.2620N	13.3924E	1412	From 2009-04-07 to 2009-05-25
Casa Mquinas	CMAQ	Costa Rica	10.7020N	85.1943W	615	
Casa Mquinas Las Pailas	APPA	Costa Rica	10.7583N	85.3590W	650	From 2000-01-01
Casa Mquinas Miravalles	APGM	Costa Rica	10.7007N	85.1925W	636	From 2000-01-01
Casamari	CAS	Italy	41.6333N	13.3667E		
Casamicciola	CSM	Italy	40.7500N	13.9000E	123	
Casamicciola	OC9	Italy	40.7458N	13.9008E	123	From 1993-01-01
Casamicciola	ICVJ	Italy	40.7435N	13.8952E	81	From 2020-10-05
Casa Paps Liliana Troncoso	LILI	Ecuador	0.2718S	78.5313W	2866	From 2010-08-20
Casa Patricio Ramon - Quito	PRAM	Ecuador	0.1449S	78.4947W	2840	
Casa Presidencial	CPRS	El Salvador	13.6860N	89.2401W	810	
Casarave	BB07	Bolivia	14.8808S	64.4855W	170	From 2012-03-27
Casares, Malaga	E005	Spain	36.4294N	5.2660W	321	From 2008-02-14 to 2009-06-18
Casa Rosa Ranch, Morristown	Y15A	Arizona,U.S.A.	33.9535N	112.3331W	572	From 2007-03-20 to 2008-12-02
Casa Tonetto Surface	CTNS	Italy	45.8049N	12.2401E	66	From 2015-10-20
Casa Vasconez, Mastodontes, Carcelen, Quito, Ecuador	MAST	Ecuador	0.0773S	78.4686W	2647	From 2017-07-11
Casa Villegas, La Argelia, Quito, Ecuador	ARGE	Ecuador	0.2770S	78.5275W	2910	From 2017-07-11
Casa Vinicio Caceres	FENY	Ecuador	0.1470S	78.4815W	2815	From 2010-08-20
Cascade Tunnel	CC-WA	Washington,U.S.A.	47.7692N	121.0836W	1036	
Cascais	PCASC	Portugal	38.7726N	9.4856W	100	From 2015-12-21

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cascajal	CASL	Costa Rica	9.9432N	84.6767W	24	
Cascavel-CE	NBCL	Ceara,Brazil	4.2243S	38.2910W	27	From 2011-05-26
Cascello	MZ60	Italy	42.6350N	13.3090E	982	From 2016-09-27 to 2016-10-25
Cascia, Frazione Avendita (PG)	T1212	Italy	42.7516N	13.0446E	868	From 2016-08-24 to 2017-05-23
Cascina	VRG02	Italy	43.6569N	10.5169E	53	From 2019-03-01
Cascina	VRG03	Italy	43.6404N	10.4694E	51	From 2019-03-01
Cascina	VRG01	Italy	43.6314N	10.5045E	53	From 2019-03-01
Casco	K50A	Michigan,U.S.A.	42.7749N	82.6231W	191	From 2012-10-12
CASCOL	CSOL	Ecuador	1.6637S	80.4518W	220	From 2016-08-16
Case Bada	ECBD	Sicily,Italy	37.7795N	15.0863E	1420	From 1994-10-01
Case del Piano	ECPN	Sicily,Italy	37.7428N	14.9885E	2985	From 1993-11-01
Case del Vescovo	ECVS	Sicily,Italy	37.7030N	15.0177E	1950	From 1994-10-01
Case Giovannangeli - (Balsorano -AQ)	T0201	Italy	41.7780N	13.5745E	570	From 2009-06-12 to 2009-07-28
Casera Mimoias	CSMI	Italy	46.5120N	12.6520E	1635	
Case Ranch, S27	SCR27	Colorado	37.4395N	107.1863W	2390	
Casera Razzo	CSZ	Italy	46.4731N	12.6172E	1825	From 1988-01-01 to 1994-10-12
Caserio Las Cruces	E037	Spain	38.8855N	5.8815W	436	
Casetta	SF04	Italy	42.8357N	11.6605E	737	From 2016-03-25
Casey	CASY	Enderby Land	66.2792S	110.5364E	154	
Casey Station	CSY	Wilkes Land	66.2894S	110.5290E	56	
Case Zampini	ECZM	Sicily,Italy	37.7308N	14.9040E	1342	From 1992-12-01
Cashca Tororas, San Jose de Chimbo	JSCH	Ecuador	1.7176S	78.9780W	2901	From 2012-07-26
Cashmere	CMZ	South Island,New Zealand	43.5845S	172.6398E	255	From 1978-09-07 to 1990-05-31
Cashmere	CMHS	South Island	43.5673S	172.6241E	21	
Casias Ranch, Antonito	T23A	Colorado,U.S.A.	37.0361N	106.0372W	2429	From 2008-06-06 to 2010-04-13
Casigua	CSV	Venezuela	8.5040N	72.5220W	50	
Casiguran, Aurora	CAAP	Luzon	16.2090N	122.0380E	10	From 2015-11-04
Casitas Dam	BCD	California,U.S.A.	34.3687N	119.3440W	213	From 1971-11-01
Casitas Lake	BCL	California,U.S.A.	34.4125N	119.3610W	177	From 1969-11-24 to 1971-10-05
Casmilo, Condeixa	PCAS	Portugal	40.0528N	8.4983W	343	From 2009-07-24
Casola in Lunigiana	TCSL	Italy	44.2000N	10.1817E	281	From 2004-05-20
Casper	K22A	Wyoming,U.S.A.	42.6507N	106.5240W	1686	From 2008-07-15
Caspian	CSN1	Iran	37.5635N	49.0950E	18	From 2015-07-13
Casr Tuba	CSTJ	Jordan	31.1200N	36.6770E	760	From 1990-03-24
Casr Tuba	QTBJ	Jordan	31.1200N	36.6770E		From 1990-03-24
Cassa de la Selva	CCAS	Spain	41.8840N	2.9053E	197	From 2004-12-01
Cassano Ionio	CSI	Italy	39.7765N	16.2894E	507	From 1979-05-01 to 2015-01-31
Cassano Irpino	CSSN	Italy	40.8608N	15.0239E	690	
Cassie Pea, Portland	U48A	Tennessee,U.S.A.	36.5107N	86.5402W	268	From 2011-12-10
Cassino	MZ097	Italy	42.6793N	13.2258E	1079	From 2016-09-23 to 2016-10-11
Casso	CSO	Italy	46.2733N	12.3239E	1070	From 1988-01-01
Cassolnovo	IT01A	Italy	45.3794N	8.7685E	173	From 2022-11-25
Cassop	LCP	England,United Kingdom	54.7368N	1.4741W	185	From 1991-01-01
Cass Winery, Paso Robles	TCAS	California,U.S.A.	35.6095N	120.5601W	381	From 2015-02-24
Castaar de Ibor, Cceres	CIBOR	Spain	39.6350N	5.4251W	586	From 2019-12-16
Castanea	MSRU	Sicily,Italy	38.2630N	15.5090E	335	From 1993-12-01
Castelbuono	CSLB	Sicily,Italy	37.9374N	14.0579E	583	
Castel del Monte	CDT	Italy	41.0820N	16.2740E	500	
CASTEL DI IUDICA	CDI1	Italy	37.5032N	14.6473E	0	From 2008-10-03
CASTEL DI SANGRO	CDS	Italy	41.7871N	14.1119E	0	From 2003-01-29
Castel Frentano	CAFR	Italy	42.2273N	14.3470E	250	From 2006-11-15
Castella	LCAM	California,U.S.A.	41.1688N	122.2728W	689	
Castellane	OG32	Rhone-Alpes,France	43.8103N	6.5593E	1130	From 1991-05-03 to 2014-01-01
Castelleone	CTL8	Italy	45.2763N	9.7622E	-78	From 2009-10-13
Castellina Chianti	CSNT	Italy	43.4722N	11.2911E	573	
Castello	ALCX	Spain	40.2612N	0.2669E	288	
Castello D'Argile (BO)	T0823	Italy	44.6862N	11.2771E	13	From 2012-05-26 to 2012-09-19
Castello di San Valentino (Castellarano) - RE	RE08	Italy	44.5237N	10.6998E	301	From 2008-12-28 to 2009-02-12
Castello Vieste (FG) Italy	OT13	Italy	41.8807N	16.1794E	25	From 2013-04-15
Castelluccio di Norcia (PG)	T1242	Italy	42.8293N	13.2044E	1450	From 2016-08-24 to 2016-10-03
CASTELLUCCIO SUPERIORE	CLS7	Italy	40.0095N	15.9740E	0	From 2012-10-03
Castell'Umberto	ME07	Italy	38.0813N	14.8116E	739	From 2007-11-22 to 2008-05-11
Castelmezzano	CASEA	Italy	40.5524N	16.0389E	703	From 2001-12-13
Castelmola	ECML	Sicily,Italy	37.8692N	15.2637E	810	From 1994-10-01
Castelo Branco	PCBR	Portugal	39.8403N	7.4775W	180	From 1994-05-10
Castelo Branco, Faial, Azores	PFCBR	Azores	38.5215N	28.7168W	33	From 2014-11-03
Castelpoggio (MS)	T0911	Italy	44.1117N	10.0738E	519	From 2013-06-21 to 2013-11-12
Castel Sant'Angelo (RI)	T1222	Italy	42.4014N	13.0367E	555	From 2017-01-19 to 2017-05-23
Castelsantangelo Sul Nera (MC)	T1245	Italy	42.8565N	13.1880E	1540	From 2016-10-03 to 2017-08-18
Castelsaraceno	BCSR	Italy	40.1620N	15.9911E	915	From 2011-02-06
CASTELSARACENO	CSA7	Italy	40.1619N	15.9908E	1018	From 2013-10-24
Castel Tesino	CTI	Italy	46.0481N	11.6498E	1189	
Castelvetrano	CVT	Sicily,Italy	37.6780N	12.7920E	0	From 1986-01-01
Castelvetrano	CAVT	Sicily,Italy	37.6788N	12.7556E	158	From 2000-07-01
Castel Viscardo	CSVS	Italia	42.7557N	12.0016E	682	From 2017-07-26
Castiglione	DIV09	Italy	46.0205N	8.2141E	515	From 2021-10-15 to 2025-12-31
Castiglione	ECTS	Sicily,Italy	37.8820N	15.1210E	681	From 1989-07-01
Castiglione Aldobrando (Gubbio) - PG	AT04	Italy	43.2543N	12.4505E	595	From 2010-03-31
Castiglione della Pescaia	CASP	Italy	42.7908N	10.8652E	390	From 2007-05-30
CASTIGLIONE MESSER MARINO	CMM	Italy	41.8685N	14.4496E	1117	From 2001-10-25
Castiglione (Tornimparte)	RM15	Italy	42.2823N	13.2452E	1223	From 2009-04-09 to 2009-05-25
Castiglion Fiorentino	CAFI	Italy	43.3292N	11.9663E	547	From 2007-09-12
Castillo	CASI	Costa Rica	10.4350N	84.7362W	559	
Castillo	CASO	Costa Rica	10.4337N	84.7342W	575	From 2000-01-01
Castillo de Giribaile, Vilches, Jaen	E032	Spain	38.1135N	3.4898W	480	From 2008-06-04 to 2008-11-14
Castleberry Farm, Seminole	128A	Texas,U.S.A.	32.6213N	102.4850W	966	From 2009-02-06 to 2010-12-06
Castle Bruce	DMCB	Dominica	15.4359N	61.2607W	129	From 2021-12-05
Castle Douglas	GCD	Scotland,United Kingdom	54.8638N	3.9417W	189	From 1989-01-01
Castle Hill	CSHS	South Island	43.2282S	171.7234E	731	
Castle Hill	CAH	New South Wales,Australia	34.6433S	149.2420E	700	From 1970-01-01
Castle Mountain	CTM	California,U.S.A.	35.9317N	120.3370W	1189	From 1970-12-15
Castle Mountains	CMJ	Jamaica	18.1358N	76.3727W	333	
Castle Mt.	PCAM	California,U.S.A.	35.9317N	120.3370W	1189	From 1970-12-15
Castlepoint	CPWZ	North Island,New Zealand	40.9098S	176.2016E	131	From 2009-07-07
Castlepoint	CAZ	North Island,New Zealand	40.9025S	176.2264E	6	From 1968-02-20 to 1988-11-23
Castlepoint Fire Station	CPFS	North Island,New Zealand	40.8988S	176.2210E	9	From 2002-01-16
Castle Rock	CTR	New York,U.S.A.	43.8742N	74.4600W	585	From 1971-09-01
Castle Rock	CRC	California,U.S.A.	37.2417N	122.1300W	607	From 1966-03-01 to 1977-06-01
Castle Rocks	CAST	Alaska,U.S.A.	63.4188N	152.0844W	611	From 2006-08-05
Castle Rock Springs	GCRM	California,U.S.A.	38.7732N	122.7150W	719	From 1979-05-08
Castle Valley Ranch, Emery	Q16A	Utah,U.S.A.	38.9176N	111.1716W	1912	From 2007-05-31 to 2009-12-08
Castor Lake	CTLN	Yukon Territory,Canada	64.4287N	116.0189W	552	
Castries, St. Lucia	SLCP	St Lucia	14.0093N	60.9896W	28	From 2014-10-17
CASTRO	CTRO	Chile	42.4814S	73.7814W	92	From 2008-08-12
Castrocucco	CUC	Italy	39.9931N	15.8156E	665	
Castroreale	MCSR	Sicily,Italy	38.0640N	15.2500E	1010	From 1993-12-01
Castro Verde	PCVE	Portugal	37.6320N	8.0390W	234	From 2007-12-11
Castrovillari (CS)	ZIDIL	Italy	39.7822N	16.2596E	450	From 2023-04-03
Castrovirreyna	CST	Peru	13.2917S	75.3233W	3947	
Casumaru (Bondeno - FE)	T0822	Italy	44.8328N	11.3455E	6	From 2012-05-20 to 2012-11-27
CAT	CATC	Baja California	31.6500N	115.8032W	1191	
Cataforio (RC)	FX12	Italy	38.0895N	15.7176E	253	From 2021-12-22 to 2023-06-14
Catak	CTK	Turkey	40.6900N	34.8261E	1250	From 1991-01-01
Catalca	ELBA	Turkey	41.1469N	28.4307E	331	From 2005-09-20
Catalca	CTTX	Turkey	41.3420N	28.3580E	378	
Catalca	CTT	Turkey	41.1473N	28.4297E	324	From 1978-08-01
atalca, stanbul	CATL	Turkey	41.3407N	28.3561E	375	From 2019-12-05
Catalina Dam	CTD	California,U.S.A.	33.3549N	118.4444W	190	
Catalina I. Airport	CIAC	California,U.S.A.	33.4019N	118.4137W	467	
Catalina Island	CIU	California,U.S.A.	33.4458N	118.4830W	203	
Catalina Island Airport, Avalon	CIS	California,U.S.A.	33.4019N	118.4150W	477	From 1998-09-10 to 2008-07-16
Catalina, PUCA	PUCAC	Costa Rica	10.3327N	85.2600W	40	
Catamayo	CATE	Ecuador	3.9618S	79.3720W	1358	From 2008-12-12
Catandica, A0786	M0786	Mozambique	18.0540S	33.1587E	628	
Catania	CAT	Sicily,Italy	37.5142N	15.0972E	20	
Catania Playa (CT)	FX04	Sicily	37.4261N	15.0431E	9	From 2021-12-22 to 2023-02-02
Catania - S. Paolo Viaduct	SPAOL	Italy	37.5495N	15.0713E	258	From 2021-03-15
Catanzaro	CATZ	Sicily,Italy	38.9000N	16.6170E		
Catapilco	VA06	Valparaiso	32.5610S	71.2970W	80	From 2015-09-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Catapilco	CTP	Aconcagua,Chile	32.5717S	71.3117W	116	From 1970-08-01
Cataract Bedrock	CTBM	New South Wales,Australia	34.2648S	150.8107E	322	
Cataract Creek	CCAZ	Arizona,U.S.A.	35.6540N	112.2970W	1724	
Cataract Dam	CTDM	New South Wales,Australia	34.2672S	150.8023E	294	
Catarata Coopelesca	CPMI	Costa Rica,Costa Rica	10.2822N	84.3815W	1718	
Catarina	SMCA	Guatemala	14.8565N	92.0749W	239	From 2015-05-12
Catarman	CNP	Samar,Philippines	12.5105N	124.6632E		From 1980-09-04
Catchment Area, Port-au-Prince, Haiti	RE7D0	Haiti	19.7928N	73.3831W	2	
Cat Creek Ranch, Riddle	L11A	Idaho,U.S.A.	42.1669N	115.7541W	1511	From 2007-01-08 to 2008-08-14
Cateel, Davao Oriental	CDOP	Mindanao	7.7840N	126.4380E	0	From 2016-08-14
Catelraimondo	CRM1	Italy	43.2101N	13.0580E	302	From 2011-04-07
Catenanuova	ECNV	Sicily,Italy	37.5956N	14.7125E	475	From 2007-01-30
Cat-ERZURUM	ECAT	Turkey	39.6062N	40.9742E	1910	From 2010-08-04
Catey	SNH1	Dominican Republic	19.2681N	69.7303W	2	From 2011-06-17
Catfish Pond	CNJ	New Jersey,U.S.A.	41.0358N	75.0042W	351	From 1973-02-01 to 1974-07-31
Cathedral Cave	CCM	Missouri,U.S.A.	38.0557N	91.2446W	222	From 2011-07-14
Catigliano (Citt di Castello) - PG	AT07	Italy	43.4940N	12.0561E	442	From 2010-04-01
Catlettsburg	R52A	Kentucky,U.S.A.	38.3366N	82.6443W	300	From 2012-06-28
Catron	CATM	Missouri,U.S.A.	36.6129N	89.6472W	82	
Cattai, Sydney	CATI	New South Wales	33.5572S	150.9179E	7	From 2016-10-01
CATTOLICA	CTL	Italy	43.9550N	12.7358E	620	From 2007-11-21
Catuaro Arriba	CATA	Venezuela	10.6010N	63.0700W	360	
Cauayan	CAUP	Luzon,Philippines	16.9440N	121.8230E	50	
Cauldkaine Hill	ECK	Scotland,United Kingdom	55.1811N	3.1272W	336	From 1981-09-01
Caumsett State Park, Huntington	N62A	New York,U.S.A.	40.9313N	73.4677W	34	From 2013-09-09
Cauquenes	CAUQ	Maule,Chile	35.9698S	72.2275W	172	
Causey	Y27A	New Mexico,U.S.A.	33.8839N	103.1633W	1253	From 2008-04-18 to 2010-03-18
Cauta	CTAS	El Salvador	13.7489N	89.8653W	355	
Cavalese	CAV	Trentino,Italy	46.2945N	11.4619E	1074	From 1981-06-15 to 2000-12-31
Cavaso del Tomba, Italy	MTOM	Italy	45.8883N	11.8993E	897	From 2010-06-09
Cave	LCAV	Italy	41.8162N	12.9386E	398	From 2009-11-11
Cave	KCA	Kerguelen Islands,France	49.3480S	70.2180E		From 1974-02-01
Cavedale Road	CRD	California,U.S.A.	38.3698N	122.4620W	620	From 1971-03-08
Cavedale Road	NCDM	California,U.S.A.	38.3698N	122.4620W	620	From 1971-03-08
Cave del Predil	PRED	Italy	46.4428N	13.5650E	902	From 2010-07-20
Cave In Rock	CIRL	Illinois,U.S.A.	37.5119N	88.1081W	119	
Cave Junction	L02A	Oregon,U.S.A.	42.1560N	123.6018W	484	From 2005-12-16 to 2007-11-29
Cave Junction	L02F	Oregon,U.S.A.	42.1209N	123.5707W	440	From 2016-04-30 to 2016-09-30
Cave Junction	L02E	Oregon,U.S.A.	42.1580N	123.6026W	454	From 2012-10-10
Cave Junction, OR	L02D	Oregon,U.S.A.	42.1578N	123.6031W	458	From 2009-11-08 to 2012-10-09
Cave Mountain	CAVC	California,U.S.A.	35.0523N	116.3392W	664	
Caverna	CVRN	Patagonia	42.9685S	72.6788W	69	From 2016-05-04
Cavezzo	CAVE	Italy	44.8658N	11.0031E	23	From 2012-11-28
Caviahue	CANA	Neuquen,Argentina	37.8875S	71.0620W	1645	From 1993-11-08
Cavilane, A0770	M0770	Mozambique	21.4213S	33.8632E	65	
Cavillon	CAVM	New South Wales,Australia	29.6478S	151.6238E	982	
Cavuskoy	CAVI	Turkey	40.2022N	29.8425E	460	From 1993-01-01
Cavuskoy	CAVTT	Turkey	40.2022N	29.8425E	460	
Cawcaw Swamp	CCS	South Carolina,U.S.A.	32.8161N	80.2553W	9	From 1976-03-31
CAXITO	CAXIT	Angola	8.5537S	13.6642E	44	From 2023-03-02
Cayambe	CAYA	Ecuador	0.0715N	77.9901W	4143	From 1988-10-14
Cayambe	CASW	Ecuador	0.0160N	78.0063W	4889	
Cayambe Volc	ELAGU	Ecuador	0.0236S	77.9903W	4218	From 2002-12-12
Cayce	HLKK	Kentucky,U.S.A.	36.5390N	89.0423W	87	From 1989-05-24 to 1992-12-16
Cayce	DENM	Kentucky,U.S.A.	36.5788N	89.0423W	84	From 1990-05-23 to 1990-11-20
Cayeli-Rize	CHOM	Turkey	41.0970N	40.7611E	422	From 2012-03-21
Cayeli-Rize	CHAY	Turkey	41.0862N	40.7253E	72	From 2012-03-20
Cayenne	CAY	French Guiana,France	4.9480N	52.3167W	25	From 1985-07-22
Cayo Roncador, Archipielago de San Andres, Providencia y Santa Catalina	RNCC	Colombia	13.5764N	80.0918W	3	From 2018-10-23
Cazenovia	CAZE	New York,U.S.A.	42.9313N	75.9200W	301	
CB02E	CB02E	Romania	45.9650N	25.5590E	427	
CB03E	CB03E	Romania	45.7940N	25.7720E	541	
CB04B	CB04B	Romania	45.6900N	26.0800E	675	
CB05A	CB05A	Romania	45.5880N	26.1470E	674	
CB05B	CB05B	Romania	45.6090N	26.1250E	668	
CB07E	CB07E	Romania	45.4830N	26.5910E	486	
CB09E	CB09E	Romania	45.3790N	26.9760E	247	
CB11E	CB11E	Romania	45.2220N	27.4270E	88	
CC01	CC01	Romania	47.0550N	25.9250E	591	
CC03E	CC03E	Romania	46.6690N	25.5510E	717	
CC05	CC05	Romania	46.2550N	25.2100E	721	
CC06A	CC06A	Romania	46.0790N	25.1480E	589	
CC06B	CC06B	Romania	46.0860N	24.9890E	602	
CC07	CC07	Romania	45.9290N	24.9260E	538	
CC08A	CC08A	Romania	45.6900N	24.7950E	687	
Cccc	CCCC	Cuba	21.2000N	77.7660W		
CCHEN	MT16	Metropolitana	33.4280S	70.5230W	780	From 2017-11-22
CD01	CD01	Romania	45.2600N	24.4250E	472	
CD04	CD04	Romania	44.8630N	24.3910E	400	
CD06	CD06	Romania	44.6420N	24.7620E	208	
CD07	CD07	Romania	44.4700N	24.4450E	167	
CD10	CD10	Romania	44.4960N	24.9600E	192	
CD11	CD11	Romania	44.2730N	24.7560E	179	
CD12	CD12	Romania	44.3080N	25.0860E	141	
CD14	CD14	Romania	44.3360N	25.6440E	126	
CD15	CD15	Romania	44.1960N	25.5010E	123	
CD16	CD16	Romania	44.0000N	25.5760E	109	
CD17	CD17	Romania	44.1710N	26.1350E	83	
CD19	CD19	Romania	44.3240N	26.4970E	96	
C.da Z Pietro	EZPO	Sicily,Italy	37.8230N	15.1068E	847	From 1994-10-01
Cd. Obregon	CDOB	Sonora	27.4153N	110.1325W	20	From 2016-11-25
CE01	CE01	Romania	46.3460N	26.4220E	438	
CE02	CE02	Romania	46.2130N	26.4460E	494	
CE03	CE03	Romania	46.1030N	26.8310E	370	
CE04	CE04	Romania	46.0730N	27.1300E	227	
CE05	CE05	Romania	46.0000N	26.6560E	528	
CE06	CE06	Romania	45.9890N	26.8750E	335	
CE07	CE07	Romania	45.9270N	27.0540E	314	
CE08	CE08	Romania	45.8660N	26.7280E	408	
CE09	CE09	Romania	45.7840N	26.7230E	419	
CE11	CE11	Romania	45.6760N	27.0440E	345	
CE13	CE13	Romania	46.0300N	26.0550E	625	
CE15	CE15	Romania	45.8190N	26.0060E	563	
CE16	CE16	Romania	45.6410N	25.7560E	637	
CE17	CE17	Romania	45.5120N	25.5080E	1036	
CE18	CE18	Romania	45.4370N	25.0490E	971	
CE19A	CE19A	Romania	45.1860N	25.4390E	457	
CE20	CE20	Romania	45.3040N	25.7230E	417	
CE21	CE21	Romania	45.4910N	25.9450E	1361	
CE22	CE22	Romania	45.5620N	26.8670E	362	
CE23	CE23	Romania	45.5200N	27.0500E	275	
CE24	CE24	Romania	45.4700N	26.7300E	386	
CE25	CE25	Romania	45.3270N	26.7370E	303	
Ceahlau	CEA	Romania	46.9758N	25.9511E	1699	From 1982-09-01 to 1989-01-01
Cebu City	CCP	Cebu,Philippines	10.3313N	123.9062E	36	
Cedar Bluff	CBKS	Kansas,U.S.A.	38.8140N	99.7374W	677	From 1994-09-01
Cedar Butte	CIB	Idaho,U.S.A.	43.4011N	112.9420W	1611	From 1979-11-18 to 1986-07-11
Cedar Butte	CBTI	Idaho,U.S.A.	43.3875N	112.9120W	1754	From 1986-07-11
Cedar City	CVH	Utah,U.S.A.	37.7151N	113.0641W	1724	From 2008-06-10
Cedar City	CCUT	U.S.A.	37.5506N	113.3627W	2127	
Cedar City	CCU	Utah,U.S.A.	37.6753N	113.0690W	1775	From 1968-12-01
Cedar City	S14A	Utah,U.S.A.	37.7601N	113.1684W	1746	From 2007-01-27 to 2008-10-08
Cedar City, Iron County	IAE	Utah,U.S.A.	37.6651N	113.0667W	1807	From 2008-07-09
Cedar City Park	CCPU	Utah,U.S.A.	37.6666N	113.0882W	1839	From 2009-09-03
Cedar Cove	CVE	Utah,U.S.A.	38.4642N	112.8520W	1890	
Cedar Creek	CDO	Oklahoma,U.S.A.	34.1904N	94.7726W	230	From 1980-08-01 to 1981-03-25
Cedar Creek Ranch, Saratoga	M22A	Wyoming,U.S.A.	41.4033N	106.5958W	2334	From 2007-11-25 to 2010-05-15
Cedaredge	CECO	Colorado,U.S.A.	38.9310N	107.9810W	1692	
Cedar Flats	CDFW	Washington,U.S.A.	46.1162N	122.0470W	780	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cedar Grove, Kings Canyon Natn. Park, CA USA	CGRV	California	36.7914N	118.6603W	1453	From 2020-11-01
Cedar Hill Farm, Mount Bethel	N60A	Pennsylvania,U.S.A.	40.8704N	75.1000W	189	From 2013-06-12
Cedar Moraine	CDMR	Washington,U.S.A.	47.4222N	121.7578W	479	
Cedar Mountain	CMU	Utah,U.S.A.	39.1713N	110.6190W	2332	From 1978-06-01 to 1990-08-14
Cedars of Lebanon	CLTN	Tennessee,U.S.A.	36.0912N	86.3315W	208	
Cedar Springs	CSP	California,U.S.A.	34.2980N	117.3583W	1239	From 1969-07-01
Cedar Springs	CED	California,U.S.A.	34.2772N	117.3340W	1067	From 1965-03-01 to 1967-07-31
Cedral	CDRL	Costa Rica	10.5252N	83.6873W	51	
Cedral	CDL2	Costa Rica	10.5252N	83.6873W	51	
Cedros	CDRO	Azores,Portugal	38.6292N	28.6992W	195	
Cedros	CEDR	Azores,Portugal	38.6341N	28.6986W	100	From 1993-04-07
Cedros	PCED	Azores,Portugal	38.6283N	28.7017W	200	
Ceglie Messapica	CGL1	Italy	40.6548N	17.4762E	303	
Ceiba Bonita	SDD09	Dominican Republic	19.2533N	69.6073W	465	
CEJHS Indians, Carlisle	Q46A	Indiana,U.S.A.	39.0231N	87.3575W	164	From 2011-11-08
Celadas (Teruel)	E0901	Spain	40.4805N	1.1279W	1176	From 2017-07-13
Celerina	SCEL	Switzerland	46.5074N	9.8552E	1718	From 2009-08-01
Celeste	CEL	Italy	38.2594N	15.8939E	690	
Celico	CELI	Italy	39.4027N	16.5088E	1289	From 2011-10-20
Celikhan, Adiyaman Turkey	MYES	Turkey	37.9729N	38.4040E	1125	From 2021-12-29
Cemaes, Anglesey	WPS	Wales,United Kingdom	53.4004N	4.4986W	16	From 2011-03-10
Cemisgezek	CEM	Turkey	39.0579N	38.9234E	1076	From 1973-09-10
Cenei	RO09A	Romania	45.7162N	20.9038E	960	From 2023-03-25
Cenerente	CNRT	Italy	43.1508N	12.3573E	393	From 2014-04-09
Centennial Lake Park	CLPO	Ontario,Canada	45.2460N	76.9642W	272	
Centennial Mountain	CMI	Idaho,U.S.A.	44.5253N	111.6220W	2377	
Center	D27A	North Dakota,U.S.A.	47.1081N	101.5254W	685	From 2009-07-17 to 2011-06-08
Center Grove, Livingston	439A	Texas,U.S.A.	30.7937N	94.7660W	90	From 2010-04-12 to 2011-12-13
Center of French Array, Koutavos Park, Argostoli (Cephalonia, Greece)	KEA01	Greece	38.1633N	20.5056E	35	From 2014-02-04 to 2014-05-21
Center of German array, Koutavos Park, Argostoli (Cephalonia, Greece)	KEB01	Greece	38.1654N	20.5081E	47	From 2014-02-05 to 2014-05-20
Centerville	CV-TN	Tennessee,U.S.A.	35.7700N	87.3844W	183	From 1961-11-25 to 1962-10-05
Centerville	337A	Texas,U.S.A.	31.3159N	95.8854W	150	From 2010-02-16 to 2011-12-12
Centerville	CV-	Tennessee,U.S.A.	35.7700N	87.3844W	183	From 1961-11-25 to 1962-10-05
Centerville, N24	NCR24	Colorado	38.6917N	106.0961W	2448	
Centerville Road, Mineral	CVRD	Virginia,U.S.A.	38.0686N	77.8081W	100	
Centrahoma	X36A	Oklahoma,U.S.A.	34.5704N	96.3520W	211	From 2010-04-20 to 2012-02-02
Central Fire St	CFSC	California,U.S.A.	34.1054N	117.2829W	312	
Central Michigan University	MTPM	Michigan,U.S.A.	43.5872N	84.7743W	178	
Central Minnesota Array	CM1	Minnesota,U.S.A.	45.9337N	93.3528W	324	From 1977-01-01
Central Minnesota Array	CM2	Minnesota,U.S.A.	45.9741N	93.1618W	323	From 1977-01-01
Central Minnesota Array	CM4	Minnesota,U.S.A.	45.7500N	93.1019W	298	From 1977-01-01
Central Minnesota Array	CM3	Minnesota,U.S.A.	45.8747N	93.0097W	294	From 1977-01-01
Central Minnesota Array	CM6	Minnesota,U.S.A.	45.8599N	93.1977W	310	From 1977-01-01
Central Minnesota Array	CM5	Minnesota,U.S.A.	45.7830N	93.3234W	298	From 1977-01-01
Central Park	CPNY	New York,U.S.A.	40.7912N	73.9600W	27	
Central Pumice Cone, Newberry	CPCO	Oregon,U.S.A.	43.7220N	121.2332W	2134	From 2012-02-28 to 2999-12-12
Central Site	MCEM	California,U.S.A.	37.9388N	120.5293W	373	
Centre Court Alameda	C051	California,U.S.A.	37.7467N	122.2386W	4	From 2010-09-23
Centro Acquisizione Posillipo, Napoli (NA), Italy	CCAP	Italy	40.8065N	14.1926E	166	From 2005-04-20
Centro Addestramento Marina Militare, Ancona	CMA11	Italy	43.5985N	13.5060E	17	From 2022-11-14
Centro civico	RE6B4	Managua,Nicaragua	12.1272N	86.2962W	146	From 2018-02-17 to 2019-02-28
Centro de Investigaciones Geotecnicas	CIGS	El Salvador	13.6981N	89.1733W	616	From 1991-12-01 to 2003-03-28
Centro de Operaciones de Emergencia de Guadalupe	COEG	El Salvador	13.6199N	88.8804W	716	
Centro de Produccion Miravalles	CAMAV	Costa Rica,Costa Rica	10.7002N	85.1938W	704	
Centro Nacional de Registro (CNR) San Miguel	CNRM	El Salvador	13.4746N	88.1705W	127	
Centro Sportivo Paolinelli, via Saturno Schiavoni, Ancona	CMA06	Italy	43.5537N	13.5114E	66	From 2022-11-15
Cent US Eq Cons	CUET	Tennessee,U.S.A.	35.0072N	89.9756W	104	
CEPHALONIA KOUTAVOS	CK00	Greece	38.1642N	20.5063E	4	From 2015-12-01
CEPHALONIA KOUTAVOS 15	CK15	Greece	38.1642N	20.5063E	-11	From 2015-12-01
CEPHALONIA KOUTAVOS 40	CK40	Greece	38.1642N	20.5063E	-36	From 2015-12-01
CEPHALONIA KOUTAVOS 6	CK06	Greece	38.1642N	20.5063E	-1	From 2015-12-01
CEPHALONIA KOUTAVOS 83	CK83	Greece	38.1642N	20.5063E	-79	From 2015-12-01
CEPHALONIA KOUTAVOS FF	CKWP	Greece	38.1663N	20.5105E	15	From 2015-12-01
Cerbatana	CERBA	Costa Rica	9.8282N	84.3302W	1125	
Ceres	CER	Cape Province,South Africa	33.3617S	19.2933E	472	
Ceres, CA, USA	CERS	California	37.6120N	120.9304W	0	From 2018-09-01
Cerignola FG	CAPA	Italy	41.1583N	15.8169E	156	From 2014-02-28
Cerknica	CEY	Slovenia	45.7388N	14.4267E	579	From 1975-08-15
Cernavoda	CVD4	Romania	44.3243N	28.0450E	16	From 2015-08-19
Cernavoda	CVD	Romania	44.3145N	28.0326E	82	
Cernavoda	CVDA	Romania	44.3336N	28.0374E	43	From 2010-11-16
Cernavoda-Power Plant	CVD1	Romania	44.3207N	28.0624E	20	From 2010-06-03
Cernica	CNCR	Romania	44.4439N	26.2619E	105	From 2004-08-17
CERN, Surface station	CERNS	France	46.2669N	6.0662E	463	From 2017-02-15
Cerqua	RM30	Italy	42.5332N	13.0931E	885	From 2009-09-17 to 2010-02-16
Cerra Azul, Caleta Web	CEAZ	Galapagos,Ecuador	0.8073S	91.4074W	667	From 2012-10-09
Cerrejon, Guajira, Colombia	CRJC	Colombia	11.0200N	72.8820W	827	From 2014-11-26
Cerre-les-Noroy	CNF	Franche Comte,France	47.5828N	6.3177E	305	
Cerreto	IMCRS	Italy	43.3120N	12.6325E	268	
Cerreto	CERT	Italy	41.9490N	12.9820E	755	From 2003-04-23
Cerreto di Spoleto	CRSP	Italy	42.8205N	12.9172E	540	From 2014-01-02
Cerrillo	CRX	Mexico D.F.,Mexico	19.4064N	99.6800W	2997	From 1978-11-29
Cerrillos	CLLP	Puerto Rico	18.0800N	66.5767W	195	From 1991-04-01 to 1999-08-25
Cerrillos	CELP	Puerto Rico	18.0749N	66.5792W	195	
Cerro Adams	ACR	Costa Rica	8.6532N	83.1680W	500	
Cerro Alto Campground	PCGM	California,U.S.A.	35.4253N	120.7390W	314	
Cerro Antonio	CANV	Venezuela	11.0390N	68.8280W	450	From 1993-04-01
CERRO ARCO	ARCO	Mendoza,Argentina	32.8415S	68.9322W	1557	From 1997-06-12
Cerro Azul	CZL	New Mexico,U.S.A.	36.2833N	105.9103W	2128	
Cerro Azul, Panama City, Panama	CAZU	Panama	9.2385N	79.4078W	940	
Cerro Blanco	RTCB	San Juan,Argentina	31.4878S	68.8104W	1059	
Cerro Blanco	BCO	San Juan,Argentina	31.4878S	68.8104W	1059	
Cerro Blanco	GYEB	Ecuador	2.1358S	80.0913W	379	From 2012-06-20
Cerro Bola	CBX	Baja California,Mexico	32.3131N	116.6636W	1238	From 1982-01-05
Cerro Calan	CLCH	Santiago,Chile	33.3961S	70.5369W	865	
Cerro Caln	MT14	Metropolitana	33.3960S	70.5360W	855	From 2017-08-01
Cerro Castillo	GO09	Magallanes,Chile	51.2707S	72.3381W	372	
Cerro-Chispas-Manabi	CHIS	Ecuador	1.0493S	80.7260W	324	From 2006-11-10
Cerro Coronel	ACCO	San Juan,Argentina	30.5877S	69.0653W	2792	
Cerro de Hojas	HOJA	Ecuador	1.0505S	80.5460W	500	From 1993-01-22
Cerro de Hula	CHUH	Honduras	13.9417N	87.2333W	1720	
Cerro de Hule	HLH	Honduras	13.8375N	87.2583W	0	From 1990-07-01
Cerro del Durazano	CDN	New Mexico,U.S.A.	35.4546N	107.3480W	2591	From 1976-01-01
Cerro de Montevideo	MVDC	Uruguay	34.8880S	56.2590W	0	From 2016-06-09
Cerro de Muerte	CDM	Costa Rica	9.5537N	83.7637W	3494	From 1984-03-07
Cerro de Punta	CDPB	Puerto Rico	18.1700N	66.5900W	1300	
Cerro de Punta	CDP	Puerto Rico	18.1751N	66.5913W	1300	From 1975-07-30
Cerro Diablo	CEDI	Venezuela	7.6540N	71.8850W	900	From 1984-01-01
Cerro El Cedral	PIEC	Costa Rica	9.6225N	83.9576W	2147	
Cerro El Oso	CEOS	Venezuela	9.0299N	68.3434W	404	From 1986-12-01
Cerro El Roble	MT07	Santiago	32.9760S	71.0156W	2234	From 2014-01-10
Cerro El Roble	ELRO	Santiago,Chile	32.9753S	71.0153W	2185	
Cerro Encantado	CEO	Oaxaca,Mexico	16.2333N	97.0183W	3000	
Cerro Gallo	CGAC	Costa Rica	10.0310N	84.4757W	1300	From 1996-01-01
Cerro Gallo 2	CGA2	Costa Rica	10.0162N	84.4655W	1200	
Cerro Gordo	CGO	California,U.S.A.	36.5504N	117.8029W	2795	
Cerro Gordo	CGVM	Mexico D.F.,Mexico	19.7500N	98.8293W		
Cerro Iglesias	NDIMA	Panama	8.3070N	81.7940W	506	
Cerro Jefe	JEF	Panama	9.2188N	79.3738W	977	
Cerro Kenedy	KENC	Colombia	11.1108N	74.0477W	2560	
CERRO LA CRUZ	ACLC	La Rioja,Argentina	29.4255S	66.9520W	1650	From 1993-06-19
Cerro la Pandura	CPD	Puerto Rico	18.0368N	65.9151W	385	From 1975-07-30
Cerro Moro	ELMO	Venezuela	8.0131N	71.7169W	2100	From 1984-01-01
Cerron	CERV	Venezuela	10.3112N	70.6742W	1730	
Cerronegro	CEN	San Juan,Argentina	31.5758S	68.7542W	900	
Cerro Negro	ECEN	Ecuador	0.8238N	77.9713W	4230	From 1992-03-29
Cerro Negro	CENE	Venezuela	7.7639N	71.3228W	400	From 1984-01-01
Cerro Negro	CNGN	Nicaragua	12.5000N	86.6985W	515	
Cerro Pandura	CPDB	Puerto Rico	18.0600N	65.8600W	370	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cerro Paranal	CPN1	Antofagasta,Chile	24.6259S	70.4040W	2600	From 2003-03-16
Cerro Pekin	PKGN	Nicaragua	12.6694N	86.9770W	82	From 2017-08-18
Cerro Prieto	CPBX	Baja California,Mexico	32.4194N	115.3046W	194	From 1981-10-02
Cerro San Cristobal	SCRT	Spain	36.6350N	6.1750W	73	
Cerro Sombrero	MG02	Magallanes	52.7808S	69.2242W	82	From 2014-12-20
Cerro Tablazo, Cundinamarca	CTAB	Colombia	5.0113N	74.2043W	3500	From 2010-11-06
Cerro Tigre, Buenos Aires de Puntarenas	TIG2	Costa Rica	9.0284N	83.2969W	580	From 1984-04-01
Cerro Toribio	GTV	Venezuela	7.6083N	63.1017W	380	
Cerro Uatsi, Limon Sur	CEUA	Costa Rica	9.6213N	82.9400W	618	
Cerro Valdivia	RTCV	San Juan,Argentina	31.8622S	68.5402W	670	
Cerro Valdivia	VAA	San Juan,Argentina	31.8617S	68.5412W	734	
Cerro Verde	CEVE	El Salvador	13.8278N	89.6240W	2035	From 2012-07-31
Cerro Viej	CVEJO	Panama	8.2550N	81.5770W	429	
Cerro Villicun	RTLL	San Juan,Argentina	31.3292S	68.4748W	690	
Cerro Villonaco Loja-Ecuador	ALJV	Ecuador	3.9900S	79.2500W	2373	From 2023-05-01
CERVANTES	NQ15	Neuquen	38.6764S	67.2264W	365	
Cervenica-Dubnik	CRVS	Slovakia	48.9022N	21.4614E	476	
Cervia, Ravenna	T1718	Italy	44.2599N	12.2988E	41	From 2022-11-10
Cesaproba (Montereale)	RM10	Italy	42.5090N	13.1864E	951	From 2009-04-07 to 2010-02-15
Cescau	CESL	Aquitaine,France	43.4019N	0.5319W	220	
Cesi	CESX	Italy	42.6100N	12.5800E	380	From 2008-07-18
CESI - Serravalle di Chienti	CESI	Italy	43.0049N	12.9046E	840	From 2007-01-08
Ceska Rybna	RYBC	Czech Republic	49.8085N	16.0658E	473	From 2019-03-01
Cesky Krumlov	CKRC	Czech Republic	48.8199N	14.3095E	497	From 2013-08-01
Cesme	RFT3	Turkey	38.3307N	26.2997E	99	From 2017-06-17
eme	CESE	Turkey	38.3306N	26.2996E	95	From 2011-07-26
Cessapalombo	CSP1	Italy	43.0918N	13.2048E	1188	From 2006-07-12
Cesta pri Krskem	CESS	Slovenia	45.9734N	15.4631E	382	From 1996-12-01
Cetraro	CET2	Italy	39.5288N	15.9546E	675	From 2011-12-01
Ceuta	ECEU	Spain	35.8978N	5.3768W	278	From 2007-04-11
Ceuta	CEU	Spain	35.8987N	5.3731W	0	
Ceuta	CEUT	Ceuta,Spain	35.8830N	5.3263W	100	
CEVA	CEV	Italy	44.3842N	8.0332E	0	From 2012-07-15
Cevo	CEME	Montenegro	42.5467N	18.9177E	799	From 2010-11-01
Ceyhan	CEYT	Turkey	37.0100N	35.7480E	100	
CF01	CF01	Romania	46.7700N	26.3950E	242	
CF02	CF02	Romania	46.5120N	26.6490E	88	
CF04	CF04	Romania	46.7470N	27.6600E	265	
CF05	CF05	Romania	46.3070N	27.2990E	222	
CF06	CF06	Romania	46.3120N	27.5790E	140	
CF07	CF07	Romania	46.1600N	27.6590E	130	
CF08	CF08	Romania	45.9680N	27.3820E	132	
CF09	CF09	Romania	45.8800N	27.8570E	222	
CF10	CF10	Romania	45.6760N	28.0040E	117	
CF11	CF11	Romania	45.3080N	27.8290E	60	
CF13	CF13	Romania	45.5750N	27.5430E	59	
CFB Alert, NU	ALRN	Northwest Territories	82.4968N	62.3525W	89	
Chaam	CHA4	Netherlands	51.5043N	4.9212E	-100	From 2011-06-09
Chaam	CHA5	Netherlands	51.5043N	4.9212E	-121	From 2011-06-09
Chaam	CHA1	Netherlands	51.5043N	4.9212E	-28	From 2011-06-09
Chaam	CHA3	Netherlands	51.5043N	4.9212E	-76	From 2011-06-09
Chaam	CHA2	Netherlands	51.5043N	4.9212E	-52	From 2011-06-09
Chabahar	CHBR	Iran	25.5950N	60.4820E	125	From 2009-10-23
Chacachacare	TCE	Trinidad and Tobago	10.6970N	61.7530W	240	
Chacalluta	AP01	Arica y Parinacota,Chile	18.3708S	70.3419W	21	From 2013-11-16
Chacarita	CCR	Buenos Aires,Argentina	34.5833S	58.4667W		
Chadak	CHDK	Uzbekistan	40.9721N	70.7522E	1001	
Cha da Macela	CMLA	Azores,Portugal	37.7637N	25.5243W	332	
Cha da Macela	CML	Azores,Portugal	37.7708N	25.5459W	291	From 1981-01-01
Chadas Angostura	CHCH	Santiago,Chile	33.9333S	70.6525W	680	From 1982-01-01
Chaffey Accelerograph	CHAM	New South Wales,Australia	31.3497S	151.1379E	553	
Chaffey Dam	CHFM	New South Wales,Australia	31.3265S	151.1164E	580	
Chagan-Uzun	CUR	Altayskiy Kray,Russia	50.1000N	88.3500E	1500	
Chagda	CGD	Sakha,Russia	58.7500N	130.6167E	178	
Chagrin River Park	CHOH	Ohio	41.6610N	81.4140W	178	From 2023-07-01 to 2599-12-31
Chaguaramas	TCHG	Trinidad and Tobago	10.6800N	61.6600W	21	From 2004-07-03
Chagyl	CAGT	Turkmenistan	40.7820N	55.3860E	144	
Chai village, A0805	M0805	Mozambique	22.6348S	33.2637E	93	
Chaix Hills	CHX	Alaska,U.S.A.	60.0630N	141.1170W	1067	From 1974-09-04
Chaiyaphum	CHAI	Thailand	15.9018N	101.9864E	199	
Chakachamna Lake	CKL	Alaska,U.S.A.	61.1965N	152.3380W	1265	From 1989-01-01
Chakachatna North	CKN	Alaska,U.S.A.	61.2240N	152.1810W	735	From 1991-08-19
Chakachatna North Broadband	SPCN	Alaska,U.S.A.	61.2250N	152.1832W	735	
Chakrata	CKA	Himachal Pradesh,India	30.7187N	77.8659E	1990	From 2007-05-01
Chala	CHAG	Georgia,Georgia	42.7279N	42.0265E	305	From 1973-01-01
Chala	CLA	Peru	15.8603S	74.2433W	32	
Chalampe	CHAF	Alsace,France	47.8122N	7.5403E	-285	
Chalchihuapan	PBCA	Puebla	18.9665N	98.3460W	2500	
Chalcis Bride	HKBG	Greece	38.4458N	23.5912E	75	From 2021-08-15
Chalets d'Iraty - Larrau, Pyrenees-Atlantique, France	IRAF	Aquitaine	43.0335N	1.0371W	1410	From 2017-05-01
Chalet Vouargne Bourlo, Wallis, VS	ILLEZ	Switzerland	46.2193N	6.9404E	1395	From 2017-12-05
Chalhuanca	PP08	Peru	14.2883S	73.2447W	3000	
Chalkas	S004	Greece	37.3610N	21.8640E	813	
Chalkias	S104	Greece	37.3660N	21.8590E	654	
Chalk River	CKO	Ontario,Canada	45.9944N	77.4500W	191	From 1981-01-12
Chalk River	CRLO	Ontario,Canada	46.0375N	77.3801W	168	
Chalk River	CHRO	Ontario,Canada	46.0376N	77.3794W	180	From 2018-10-17
Chalk Rock	KCRM	California,U.S.A.	40.4263N	123.8190W	896	
CHALLACO	NQ11	Neuquen	39.0444S	68.9734W	486	From 2022-09-15
Challavanipeta	CHLP	Andhra Pradesh,India	18.5058N	84.0573E	55	From 2008-09-01
Challis	CL-ID	Idaho,U.S.A.	44.4911N	114.3417W	2256	From 1966-05-23 to 1966-05-24
Challis	H13A	Idaho,U.S.A.	44.5642N	114.2545W	1563	From 2006-12-30 to 2009-05-22
Challis	CL-	Idaho,U.S.A.	44.4911N	114.3417W	2256	From 1966-05-23 to 1966-05-24
Challis, ID, 7.5 mi N off of Rte 93	ID02	Idaho,U.S.A.	44.6048N	114.1845W	1476	From 2014-04-17 to 2014-09-24
Chama	CNM	New Mexico,U.S.A.	36.9167N	106.5690W		
Chamberlain	CBC	California,U.S.A.	36.9314N	121.6618W	200	From 1969-01-01
Chamberlain	HCBM	California,U.S.A.	36.9314N	121.6618W	200	From 1969-01-01
Chamberlain Mountain	CHMT	Montana,U.S.A.	46.9143N	113.2520W	2077	
Chamberlain Ridge	GCBM	California,U.S.A.	39.3838N	123.5210W	560	
Chambon-Foret	CLF	Centre,France	48.0258N	2.2600E	145	
Chamela	CJM	Jalisco,Mexico	19.4994N	105.0439W	88	From 1994-03-19
Cham-Katzbach	CHKA	Bayern,Germany	49.2410N	12.6498E	276	From 2004-06-01
Champ du Feu	CDF	Alsace,France	48.4122N	7.2761E	1068	From 1972-11-22
Champerico	RECH	Guatemala	14.2939N	91.9146W	10	From 2021-02-17
Champion	E42A	Michigan,U.S.A.	46.4301N	87.9140W	475	From 2011-09-10 to 2013-06-09
Champorcher	CIRO	Italy	45.6019N	7.5682E	2516	From 2009-11-07
Chanaral	CAA	Atacama,Chile	26.3303S	70.6139W	2	From 1977-01-01
Chanarkot	CKP	Pakistan	34.0227N	72.7733E	1195	
Chanca	CNCB	Bolivia	16.8127S	67.9821W	4325	From 1982-01-01
Chanco	CNCO	Maule,Chile	35.7349S	72.5330W	50	From 2004-11-17
Chandalar	E23K	Alaska,U.S.A.	68.0584N	149.6163W	1084	From 2016-06-26
CHANDIGARH	CGRH	Punjab	30.7330N	76.7790E	334	From 2018-02-28
Changalane	CNG	Mozambique	26.2917S	32.1883E	100	From 1961-01-01
Changbin	ECBN	Taiwan region	23.3163N	121.4512E	63	From 2015-05-19
Changchun	CN2	Jilin,China	43.8014N	125.4480E	230	From 1976-10-15
Changchun	HSK	Jilin,China	43.9167N	125.3000E	250	
Changchun	CNH	Jilin,China	43.8292N	125.3130E	236	From 1976-10-15 to 1999-08-25
Changhua City	WCH	Taiwan region	24.0820N	120.5570E	17	From 1999-08-04
Changhua City	WCH1	Taiwan region	24.0718N	120.5468E	22	From 2018-10-12
changnyeong	CHRB	Republic of Korea	35.5342N	128.4779E	75	From 2019-03-18
CHANGNYEONG	KSCHR	Republic of Korea	35.5440N	128.4907E	105	From 2006-12-30
ChangSha	CNSH	Hunan,China	28.1819N	112.9311E	86	From 2009-01-01
Changuinola	CNI	Panama	9.4167N	82.5168W	20	From 1993-04-18
Changyeh	CYEH	Gansu,China	38.9333N	100.5833E	0	From 1955-01-01
Chania	CHAN	Crete,Greece	35.5192N	24.0425E	34	From 2006-12-01
Chania	CH01	Crete,Greece	35.5169N	24.0206E	1	From 2011-09-15
Chania	CH02	Crete,Greece	35.5144N	24.0315E	11	From 2011-09-15
Chaniotis	PLN1	Greece	39.9976N	23.5729E	17	From 2014-10-15
Chanki	CHKI	Nagaland,India	26.4292N	94.3983E	950	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Channel	CHNM	Missouri,U.S.A.	36.0419N	89.9286W	74	
Channing	V28A	Texas,U.S.A.	35.7505N	102.2243W	1163	From 2009-01-17 to 2010-11-10
Chantaburi	CHAT	Thailand	12.5167N	102.1667E	22	From 1996-05-01
Chapadao do Sul	C2SB	Mato Grosso	18.7688S	52.8377W	150	
Chapadao Do Sul	CDSB	Mato Grosso,Brazil	18.7655S	52.8393W	750	
Chapalita	GDLP	Jalisco	20.6825N	103.4422W	1665	
Chaparral, Anthony	223A	New Mexico,U.S.A.	32.0062N	106.4276W	1232	From 2008-03-28 to 2010-01-16
Chaparral Prairie Nature Preserve	CPOH	Ohio	38.8411N	83.5765W	307	From 2019-09-05 to 2500-12-31
Chaparral WMA, Artesia Wells	833A	Texas,U.S.A.	28.3236N	99.3939W	171	From 2009-12-04
Chapeco	CHAP	Brazil	27.1906S	53.0666W	476	From 2017-09-06 to 2099-12-12
Chapelcross	BCC1	Scotland,United Kingdom	55.0153N	3.2201W	138	From 1992-01-01
Chapel Hill	CHC	North Carolina,U.S.A.	35.9028N	79.0506W	149	From 1953-01-01 to 1970-12-31
Chapel Hill	CEH	North Carolina,U.S.A.	35.8908N	79.0928W	152	From 1975-08-01 to 2004-03-05
Chapleau	D47A	Ontario,Canada	47.0558N	83.1038W	498	From 2012-10-25
Chaplin	CPL	Connecticut,U.S.A.	41.7890N	72.1072W	161	From 1972-01-19 to 1974-07-23
Chapman	Q34A	Kansas,U.S.A.	38.9214N	96.9408W	378	From 2010-05-09 to 2012-03-17
Chapri	CPA	Pakistan	32.9805N	71.4237E	335	
Chaqaral	CRCH	Atacama,Chile	26.3455S	70.6214W	10	From 2004-07-30
Chara	CRS	Irkutskaya Oblast',Russia	56.9000N	118.2689E	700	
Charan	CHTH	Iran	35.9080N	51.1260E	2250	From 2005-10-01
Chargali	CHRG	Georgia	42.3293N	44.9260E	1339	From 2017-08-04
Charing Cross	ESND	South Island	43.5314S	172.1142E	165	
Charing Cross, DAR7	DARN7	South Island	43.5938S	172.1592E	118	
Charjew	CHDS	Turkmenistan	39.0750N	63.5930E	190	
Charlesbourg	CHQ	Quebec,Canada	46.8897N	71.3000W	145	From 1971-11-11 to 1982-07-04
Charleston	CHRM	Missouri,U.S.A.	36.8515N	89.3621W	93	
Charleston Southern University	CSU	South Carolina,U.S.A.	32.9860N	80.0707W		
Charley	NYC	Nevada,U.S.A.	37.1550N	116.1550W	1695	From 1971-01-01 to 1973-01-31
Charley River, AK	J26K	Alaska,U.S.A.	64.5654N	143.7990W	1187	From 2015-08-25
Charlotte	EF58	Texas	28.8365N	98.7230W	137	From 2018-11-16
Charlottesville	CVL	Virginia,U.S.A.	37.9814N	78.4608W	167	From 1978-07-01
Charlottesville	CVV	Virginia,U.S.A.	37.9814N	78.4608W	167	From 1978-07-01
Charlottesville	CVVA	Virginia,U.S.A.	38.0218N	78.5321W	159	
Charlottesville	CTV	Virginia,U.S.A.	38.0326N	78.5228W	264	From 1973-07-04 to 1974-01-31
Charlottesville	CLT	Virginia,U.S.A.	38.0333N	78.5167W	150	From 1973-01-01 to 1973-12-31
Charly	CHAR	Ecuador	0.0867S	77.6708W	3315	From 2005-06-17
Charmoille	CHMF	Franche Comte,France	47.2483N	6.6517E	854	From 2010-12-01
Charnwood Forest	CWF	England,United Kingdom	52.7383N	1.3072W	186	From 1974-10-18
Charter Oak	COKM	Missouri,U.S.A.	36.7101N	89.7262W	87	
Charters Towers	CTA	Queensland,Australia	20.0883S	146.2540E	357	From 1957-09-15
Charters Towers	CTAO	Queensland,Australia	20.0883S	146.2540E	357	From 1976-10-09
Charvak	CHRV	Uzbekistan	41.6409N	69.9511E	821	
Chase Mountain	VCMM	Oregon,U.S.A.	42.0955N	121.9890W	1889	
Chase Ranch	HCRM	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chase Ranch	AN6*	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chase Ranch	CSR	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chassal, 39113, Jura, Bourgogne-Franche-Comte	A214A	France	46.3620N	5.8003E	476	From 2016-07-21
Chassel	D41A	Michigan,U.S.A.	47.0605N	88.5657W	271	From 2011-09-11 to 2013-11-26
Chateau	CNZ	North Island,New Zealand	39.1982S	175.5480E	1116	From 1959-12-15 to 2006-01-04
chteau de Saumane	SAUF	Provence-Cote d'Azur,France	43.9377N	5.1064E	230	From 2012-07-03
Chteau-d'Oex, salle de spectacle VD	SCOD	Switzerland	46.4705N	7.1288E	923	From 2016-04-01
Chateau-d'Oleron - 17093 - Charente-Maritime, France	LANIO	Poitou-Charentes	45.8986N	1.2028W	7	From 2016-05-06
chteau la Rivire	LRVF	Aquitaine,France	44.9478N	0.3100W	75	From 2011-03-25
Chateau Observatory	COVZ	North Island,New Zealand	39.1999S	175.5424E	1069	From 1998-03-25
CHATHAM INFRASONIC ARRAY REFERENCE POINT	IM6NZ	Chatham Islands,New Zealand	43.9166S	176.4834W	14	From 2004-11-09
Chatham Island	CTZ	Chatham Islands,New Zealand	43.7355S	176.6172W	99	From 2007-12-18
Chatham Islands	CIZ	Chatham Islands,New Zealand	43.9550S	176.5660W	45	From 1932-08-01 to 2003-08-15
Chtillon, cole, FR	SCHAT	Switzerland	46.8315N	6.8353E	505	From 2017-10-31
Chatra	CHA	Nepal	26.8333N	87.1667E	161	
Chats Falls	CFO	Ontario,Canada	45.4692N	76.2292W	70	From 1977-10-06 to 1979-02-16
Chatyr-Tash	CHTS	Kyrgyzstan	40.9179N	76.5209E	2971	From 2022-09-15
Chaudanne	CHDN	Provence-Cote d'Azur,France	43.8481N	6.5408E	740	From 1993-09-01
Chaumont	CHAU	New York,U.S.A.	44.1375N	76.1742W	102	
Chauvay	CHVK	Kyrgyzstan	40.1333N	72.2167E	1760	From 1978-07-01 to 2010-05-31
Chauvin	645A	Louisiana,U.S.A.	29.4573N	90.5966W	1	From 2011-03-12 to 2012-12-09
Chavao	TCHA	Canary Islands	28.2198N	16.7054W	2073	From 2016-11-08
Chavriata, Kefallonia	CHV1	Greece	38.1834N	20.3818E	0	From 2014-01-28
CHBT	CHBT	Thailand	12.7526N	102.3300E	4	From 2008-10-22
Cheapside	EF55	Texas	29.2628N	97.4153W	112	From 2019-04-18
Cheb	CHE	Czech Republic	50.0794N	12.3761E	430	
Chebaa	SHBL	Lebanon	33.3483N	35.7438E	1422	From 2011-10-01
Cheddleton UK	CHDUK	England,United Kingdom	53.0675N	2.0425W	151	From 2010-03-24
Cheesecote Mountain, Pomona, NY	CMNY	New York,U.S.A.	41.2039N	74.0469W	291	From 2014-08-01
Chefchaouen	CHEFC	Morocco	35.1070N	5.3400W	925	
Chegdomyn	CHMR	Khabarovskiy Kray	51.1370N	133.0400E	500	From 2009-08-07
Cheisacher	SULZ	Switzerland	47.5275N	8.1115E	670	From 2000-08-29
Chekchek	ICHK	Iran	32.2442N	54.4073E	2030	From 1998-10-01
Chekok	CKK	Alaska,U.S.A.	59.9597N	154.2330W	732	From 1972-07-29 to 1978-09-09
Chelan Butte	CBW	Washington,U.S.A.	47.8071N	120.0330W	1160	
Chelan Butte South	CBSW	Washington,U.S.A.	47.8046N	120.0410W	1073	From 1987-01-01
Chelinda	CHEL	Malawi	10.5869S	33.8097E	2194	From 2014-07-16 to 2015-11-04
Cheltenham	CLH	Maryland,U.S.A.	38.7347N	76.8458W		From 1904-11-01 to 1928-12-31
Chemainus	AHCB	British Columbia,Canada	48.9325N	123.7373W	0	From 2004-04-17
Chemehuevi Mountains	CMH	California,U.S.A.	34.5530N	114.5720W	940	From 1975-02-01
Chemin du LacGrosbois, Trois-Rives	D58A	Quebec,Canada	47.0954N	72.8826W	398	From 2013-08-16
Chemin Saint Guillaume, Saint Donat	E57A	Quebec,Canada	46.4117N	74.1471W	572	From 2013-08-06
Chemin Vers le Barrage, Saint-Michel-Des-Saints	D57A	Quebec,Canada	47.0172N	73.8878W	422	From 2013-08-18
Cheneyville 1850, Columbus	T37A	Kansas,U.S.A.	37.1230N	94.9176W	256	From 2010-05-20 to 2012-03-01
Chengdu	CDU	Sichuan,China	30.6603N	104.0110E	506	
Chengdu	CNU	Sichuan,China	30.6603N	104.0110E	506	
Chengdu	CD2	Sichuan,China	30.9100N	103.7580E	628	
Chenggong	CHKH	Taiwan region	23.1917N	121.3957E	7	From 2017-10-06
Chengkung	CHKT	Taiwan region	23.0992N	121.3654E	33	
Chenhua	TWY	Taiwan region	25.2758N	121.5996E	20	From 1975-01-10
Chennai	MDRS	Tamil Nadu,India	13.0680N	80.2463E	15	
Cheonan	KSCEA	Republic of Korea	36.8231N	127.2575E	179	From 2004-12-10
Cheongdo	CGDA	Republic of Korea	35.6627N	128.6704E	124	From 2018-03-09
Cheongil	CGIA	Republic of Korea	37.5822N	128.1527E	336	From 2018-03-09
CHEONGJU	KSCEJ	Republic of Korea	36.6351N	127.4390E	57	From 2000-11-21
Cheongsando	CSDB	Republic of Korea	34.1808N	126.8953E	-76	From 2016-12-16
Cheongsan-myeong	OKCB	Republic of Korea	36.3461N	127.7941E	61	From 2012-12-04
CHEONGSONG	KSCHS	Republic of Korea	36.3918N	129.0794E	236	From 2006-12-30
Cheongyang	CGYA	Republic of Korea	36.4234N	126.7787E	36	From 2018-03-09
Cheorwon	KSCWO	Republic of Korea	38.0833N	127.5167E	351	From 2003-11-30
Cheorwon	KSCHW	Republic of Korea	38.1404N	127.3038E	154	From 2000-01-20 to 2002-11-28
Chepes	ACHE	La Rioja,Argentina	31.1610S	66.6637W	1470	
Chepo, Panama	CHPO	Panama	9.1700N	79.1150W	16	From 2010-01-01
Chera	ECHE	Spain	39.5908N	0.9678W	643	From 1986-11-01
Cherat	CHER	Pakistan	33.8000N	71.9000E	1300	From 2011-03-15
Cherat	CEP	Pakistan	33.8235N	71.9090E	1376	
Cheremushki	CERR	Khakassia,Russia	52.8539N	91.4150E	400	
Chernabura Island	CHNA	Alaska,U.S.A.	54.8310N	159.5895W	71	From 2013-06-27
Chernabura Island	CNBA	Alaska,U.S.A.	54.8200N	159.5887W	94	From 1993-06-01
Chernivtsi	CHRU	Carpathian Mountains	48.2975N	25.9217E	240	From 1992-09-01
Chernovtsy	CRA	Carpathian Mountains	48.2833N	25.9333E	242	
Chernovtsy (B)	CRB	Carpathian Mountains	48.3000N	25.9333E		
Chernyshevskiy	YCRN	Sakha,Russia	63.0212N	112.4862E	319	From 2011-07-14
Cherokee Point, Campobello	W54A	South Carolina,U.S.A.	35.0857N	82.1859W	272	From 2013-02-15
Cherrabun Homestead, Kimberley	KIM02	Western Australia	18.9154S	125.5347E	155	From 2021-08-03
Cherry Point	CPC	North Carolina,U.S.A.	34.9000N	76.8833W		From 1950-01-01 to 1956-12-31
Cherskiy	CES	Magadanskaya Oblast',Russia	68.7000N	161.2000E		
Chertsey	CCH5	South Island	43.7827S	171.9223E	132	
Chesbro Res.	JCBM	California,U.S.A.	37.1118N	121.6890W	192	From 1967-08-24
Chesbro Res. 1	CB1	California,U.S.A.	37.1638N	121.6258W		
Chesbro Res. 3	CB3	California,U.S.A.	37.2590N	121.6735W	329	
Chesbro Res. 4	CB4	California,U.S.A.	37.3493N	121.5327W		
Chesbro Res. 5	CB5	California,U.S.A.	37.2852N	121.7725W		
Chesbro Res. 6	CB6	California,U.S.A.	37.4513N	121.7990W	240	
Chesbro Res. 8	CB8	California,U.S.A.	37.1588N	121.8470W	280	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chesbro Reservoir	CBO	California,U.S.A.	37.1118N	121.6890W	192	From 1967-08-24
Cheshme madani	CHMN	Iran	29.8608N	57.5396E	2923	From 2010-05-05
Cheshme Sefid, Kermanshah	KCHF	Iran	34.2750N	47.0404E	1714	
Chester	J61A	Vermont,U.S.A.	43.3462N	72.5535W	253	From 2013-09-06
Chester	O04C	California,U.S.A.	40.3200N	121.0860W	1513	From 2005-05-25 to 2007-11-27
Chesterland	M52A	Ohio,U.S.A.	41.5405N	81.3570W	382	From 2013-01-17
Chesterland	CCHE	Ohio,U.S.A.	41.5612N	81.3620W	365	
Chesterville-ON-UCDSB	ONN20	Ontario	45.1002N	75.2325W	71	From 2021-09-17
Chestnut Mountain	CMGA	Georgia,U.S.A.	34.6290N	85.0340W	478	
Cheticamp, Nova Scotia	CHEG	Nova Scotia,Canada	46.8084N	60.6745W	446	From 2005-10-19
Chet-Su	CHET	Uzbekistan	41.0600N	70.2400E	1136	
Chetwynd	CTC	British Columbia,Canada	55.6417N	121.7500W		From 1967-12-01 to 1973-04-06
Cheung Chau	CCHK	Hong Kong,China	22.2013N	114.0267E	73	
Cheviot Emergency Centre	CECS	South Island,New Zealand	42.8135S	173.2749E	69	From 2002-02-23
Chews Ridge	BCWM	California,U.S.A.	36.3067N	121.5660W	1518	
Cheyenne	M24A	Wyoming,U.S.A.	41.4676N	104.8248W	1816	From 2008-07-14 to 2010-05-11
Cheyenne	CY-WY	Wyoming,U.S.A.	41.4167N	104.8600W	1920	From 1962-07-06 to 1962-07-11
Cheyenne	CY-	Wyoming,U.S.A.	41.4167N	104.8600W	1920	From 1962-07-06 to 1962-07-11
Cheyildagh, Azerbaijan	MV10	Azerbaijan	40.2822N	49.2848E	157	From 2020-01-20
Chiang Mai	CHTO	Thailand	18.8138N	98.9438E	316	From 1977-06-01
Chiang Mai	CMMT	Thailand	18.8128N	98.9480E	399	From 2008-12-01
Chiang Mai	CHG	Thailand	18.8138N	98.9438E	416	From 1963-03-01
Chiang Mai Array Beam Reference Point	CMAR	Thailand	18.4575N	98.9429E	307	
Chiang Mai Array Site 1	CM01	Thailand	18.4205N	98.9588E	292	
Chiang Mai Array Site 10	CM10	Thailand	18.4298N	99.0019E	341	
Chiang Mai Array Site 11	CM11	Thailand	18.3756N	98.9604E	320	
Chiang Mai Array Site 12	CM12	Thailand	18.4061N	98.9254E	330	
Chiang Mai Array Site 13	CM13	Thailand	18.4211N	98.9069E	303	
Chiang Mai Array Site 14	CM14	Thailand	18.4361N	98.9136E	322	
Chiang Mai Array Site 15	CM15	Thailand	18.4524N	98.9245E	324	
Chiang Mai Array Site 16	CM16	Thailand	18.4575N	98.9429E	358	
Chiang Mai Array Site 17	CM17	Thailand	18.4577N	98.9624E	325	
Chiang Mai Array Site 18	CM18	Thailand	18.4610N	98.9830E	314	
Chiang Mai Array Site 2	CM02	Thailand	18.4344N	98.9466E	305	
Chiang Mai Array Site 3	CM03	Thailand	18.4263N	98.9762E	304	
Chiang Mai Array Site 31	CM31	Thailand	18.4575N	98.9429E	306	
Chiang Mai Array Site 32	CM32	Thailand	18.6533N	98.8469E	292	
Chiang Mai Array Site 33	CM33	Thailand	18.8177N	98.9466E	358	
Chiang Mai Array Site 34	CM34	Thailand	18.8511N	99.1498E	315	
Chiang Mai Array Site 35	CM35	Thailand	18.6781N	99.1539E	283	
Chiang Mai Array Site 36	CM36	Thailand	18.5182N	99.0954E	310	
Chiang Mai Array Site 4	CM04	Thailand	18.3997N	98.9789E	336	
Chiang Mai Array Site 5	CM05	Thailand	18.4013N	98.9451E	336	
Chiang Mai Array Site 6	CM06	Thailand	18.4156N	98.9406E	332	
Chiang Mai Array Site 7	CM07	Thailand	18.4337N	98.9304E	302	
Chiang Mai Array Site 8	CM08	Thailand	18.4453N	98.9577E	295	
Chiang Mai Array Site 9	CM09	Thailand	18.4439N	98.9908E	345	
Chiangrai	CRAI	Thailand	20.2289N	100.3734E	356	
Chiangrai	CHRT	Thailand	19.8709N	99.7827E		From 1996-07-01
Chiapa de Corzo	CZC	Chiapas,Mexico	16.7120N	93.0200W	418	
Chiapas	ARL	Chiapas,Mexico	17.4120N	93.1180W		
Chiapas	LIBM	Chiapas,Mexico	17.2940N	93.0120W		
Chiapas	PENM	Chiapas,Mexico	17.4360N	93.5280W		
Chiapas	PAY	Chiapas,Mexico	17.4717N	93.4913W		
Chiapas	SIPM	Chiapas,Mexico	17.2230N	93.1570W		
Chiapas	BJU	Chiapas,Mexico	16.8768N	93.1791W		
Chiapas	MARM	Chiapas,Mexico	17.2180N	92.6930W		
Chiapas	VGP	Chiapas,Mexico	17.3572N	93.6140W		
Chiapas	PORM	Chiapas,Mexico	17.1790N	93.3950W		
Chiapas	ZZA	Chiapas,Mexico	15.1333N	92.3167W		
Chiapas	TANM	Chiapas,Mexico	16.9190N	93.1150W		
Chiapas	UJZ	Chiapas,Mexico	15.0750N	92.0833W		
Chiaravalle Centrale	CHCE	Italy	38.6840N	16.4142E	550	From 2017-03-31
Chiautla de Tapia	CHPM	Puebla,Mexico	18.2986N	98.6132W	1030	
Chiavari	CHV	Italy	44.3153N	9.3236E		
Chiawan	TWD	Taiwan region	24.0800N	121.5960E	30	From 1972-09-25
Chiayi	CHY	Taiwan region	23.4977N	120.4240E	27	
Chibachonan	JCCN	Chiba	35.3843N	140.2355E	49	From 2019-03-26
Chibit, Altay Republic, Russia	CHBI	Altayskiy Kray,Russia	50.3132N	87.5034E	1164	From 2003-08-12
Chibotane	CBTN	Mozambique	23.8405S	32.1843E	154	
Chibougamau	CHGQ	Quebec,Canada	49.9105N	74.3748W	405	From 2007-10-11
CHIBUNGA	CHIB	Ecuador	0.1010S	79.8157W	176	From 2016-04-19
Chicago	CHK	Illinois,U.S.A.	41.7889N	87.5992W	180	From 1918-01-01 to 1967-12-31
Chicago	CGI	Illinois,U.S.A.	41.9800N	87.7183W		
Chicago-Loyola	CHI	Illinois,U.S.A.	41.9000N	87.6333W	183	From 1912-09-01
Chichaoua	CIA	Morocco	31.5650N	8.7590W	473	
Chichibu	CHJ	Saitama,Japan	35.9917N	139.0820E	219	
Chichibu	CHJJ	Saitama,Japan	36.0483N	138.9950E	187	From 1978-01-01
Chichijima	JCJ	Bonin Islands,Japan	27.0955N	142.1846E	164	From 2008-11-28
Chichi jima	CBI	Bonin Islands,Japan	27.0897N	142.1883E	3	From 1975-01-01
Chichi jima	CBIJ	Bonin Islands,Japan	27.0957N	142.1845E	145	
Chichilianne, 38103, Isere, Auvergne-Rhone-Alpes	A186A	France	44.7932N	5.5891E	978	From 2016-04-20
Chichinautzin	CHVM	Mexico D.F.,Mexico	19.0873N	99.1473W	3213	
Chichi shima	TTZ	Bonin Islands,Japan	27.0833N	142.1830E		
Chicken	K27K	Alaska,U.S.A.	64.0292N	142.0758W	389	From 2014-06-20
Chiclayo	CHP8	Peru	6.7650S	79.8650W	60	From 1982-08-01
Chico	CCO	California,U.S.A.	39.0642N	121.0090W	60	From 1972-02-23
Chicoasen	CSN	Chiapas,Mexico	16.9690N	93.1080W	320	
Chicoasen 1	CR1	Chiapas,Mexico	17.0453N	93.1152W	1200	
Chicoasen 2	CR2	Chiapas,Mexico	16.8850N	92.9580W	1743	
Chicoasen 3	CR3	Chiapas,Mexico	16.8143N	92.9547W	1200	
Chicoasen 4	CR4	Chiapas,Mexico	16.7172N	93.0748W	900	
Chicoasen 5	CR5	Chiapas,Mexico	16.8168N	93.1188W	1300	
Chicoasen 6	CR6	Chiapas,Mexico	16.9582N	93.2260W	1700	
Chicoasen 7	CR7	Chiapas,Mexico	17.2330N	93.1700W	1750	
Chicoutimi	CIQ	Quebec,Canada	48.2723N	70.7908W	273	
Chicoutimi-Nord	CHIQ	Quebec,Canada	48.4900N	71.0100W	0	From 1984-09-21
Chidago Canyon	MCDM	California,U.S.A.	37.5480N	118.4434W	1411	
Chidenguele, A3A19	M3A19	Mozambique	24.9242S	34.1887E	112	
Chidliak Camp Nunavut	CDKN	Northwest Territories,Canada	64.2348N	66.3440W	65	From 2009-08-20
Chieng Khoang	CKVB	Vietnam	21.5637N	103.6875E	337	
Chieng Lao	CLVV	Vietnam	21.6130N	103.9368E	237	
Chiengmai2	CMAI	Thailand	19.9325N	99.0453E	1502	
Chiesa Nuova, Poggio Renatico (FE)	CAS08	Italy	44.7726N	11.4322E	11	From 2012-05-22
Chiesa Santi Cosma e Damiano, Ancona	CMA09	Italy	43.6181N	13.5161E	30	From 2022-11-13
Chiesuol del Fosso FE	T0820	Italy	44.7912N	11.5732E	7	From 2012-05-20 to 2012-07-09
Chieti Campus	CHCS	Italy	42.3698N	14.1478E	64	From 2021-12-21
Chieuti (FG)	OT16	Italy	41.8339N	15.1691E	212	From 2021-04-13
Chifra	ACHIE	Ethiopia	11.5979N	40.0188E	938	
Chignik	CHGN	Alaska,U.S.A.	56.3014N	158.4142W	17	From 2011-08-10
Chigu Township	TSCK	Taiwan region	23.1470N	120.0860E	13	From 2002-11-06
Chihuahua	CHIX	Baja California,Mexico	32.4867N	115.2418W	15	From 1987-02-01
Chihuahua	CHH	Chihuahua,Mexico	28.6367N	106.0783W	1430	
CHIHUIDO DE LA SIERRA NEGRA	NQ05	Neuquen	37.4357S	69.0059W	926	From 2023-03-01
CHI Itaipu Binacional	ITF4	Parana,Brazil	25.3103S	54.2555W	354	From 1980-01-01
CHI Itaipu Binacional	MOND	Paraguay	25.6147S	54.6003W	177	From 1980-01-01
CHI Itaipu Binacional	ITF11	Paraguay	24.6469S	54.3886W	361	From 1980-01-01
CHI Itaipu Binacional	ITF6	Paraguay	25.1794S	54.6014W	308	From 1980-01-01
CHI Itaipu Binacional	VTF1	Parana,Brazil	25.4069S	54.4381W	259	From 1980-01-01
CHI Itaipu Binacional	ITF10	Parana,Brazil	24.7942S	54.2089W	463	From 1980-01-01
Chijiwa	CJA	Nagasaki,Japan	32.7842N	130.2106E	88	
Chikola	CIKK	Severo-Osetinskaya	43.1955N	43.9225E	673	From 2001-04-01
Chilao Flats	CFL	California,U.S.A.	34.3330N	118.0239W	1560	
Chilao Flat Sta	CHFC	California,U.S.A.	34.3334N	118.0259W	1594	
Chilbolton	CLB	England,United Kingdom	51.1436N	1.4328W	80	From 1976-05-01 to 1999-08-25
Childara	CHLD	Tajikistan	38.7700N	70.3000E	1700	
Childress 1	CEC	Texas,U.S.A.	34.5720N	100.3260W	548	
Childress 2	CNE	Texas,U.S.A.	34.5838N	100.3100W	555	
Childress 3	CNO	Texas,U.S.A.	34.5780N	100.3350W	562	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Childress 4	CNW	Texas,U.S.A.	34.5917N	100.3600W	540	
Childress 5	CSE	Texas,U.S.A.	34.5558N	100.3310W	521	
Childress 6	CSW	Texas,U.S.A.	34.5570N	100.3480W	546	
Childress 7	CWT	Texas,U.S.A.	34.5703N	100.3440W	549	
Childs Glacier	CSG	Alaska,U.S.A.	60.6610N	144.8550W	678	From 1984-01-01
Chilecito	CCT	La Rioja,Argentina	29.1667S	67.5000W		
Chileka	CLK	Malawi	15.6800S	34.9767E	781	
Chiles - Colombia	IMOR2	Colombia	0.8325N	77.9277W	4068	
Chilgok	KSCIG	Republic of Korea	36.0386N	128.3832E	0	From 2007-12-17
Chili	H40A	Wisconsin,U.S.A.	44.6220N	90.3905W	372	From 2011-08-05 to 2013-06-08
Chilia	CHLR	Romania	45.4245N	29.2890E	42	From 2021-12-02
Chilik	CHL	Kazakhstan	43.5270N	78.3740E	760	
Chillagoe	CHIL	Queensland,Australia	17.1505S	144.5306E	423	
Chillan	CCHI	Bio-Bio,Chile	36.6027S	72.0772W	123	
Chilliwack	A06A	British Columbia,Canada	49.0983N	121.4804W	576	From 2006-10-18 to 2008-05-21
Chilma	CHMA	Ecuador	0.8628N	78.0628W	2412	From 2014-10-31
Chiloquin, OR	K04D	Oregon,U.S.A.	42.6246N	121.7535W	1315	From 2009-10-13
Chilquin	K04A	Oregon,U.S.A.	42.6133N	121.7307W	1305	From 2006-05-23 to 2007-10-27
chilseo	CLSA	Republic of Korea	35.3629N	128.4908E	61	From 2019-03-18
Chimachoy	CIM	Guatemala	14.5838N	90.8667W	2450	From 1975-03-01 to 1999-08-25
Chimala	CHML	Tanzania	8.8261S	34.0283E	1118	From 2013-08-07 to 2015-11-04
Chimborazo	CHI1	Ecuador	1.4187S	78.8148W	4440	From 1992-02-13 to 2002-07-01
Chimborazo	CHIM	Ecuador	1.4203S	78.8614W	4100	From 1990-01-01 to 1991-12-31
Chimborazo Volcano	PORT	Ecuador	1.4633S	78.7732W	4469	From 2007-03-22
Chimeneas	ACHM	Spain	37.1050N	3.8297W	862	
Chimeneas	EXCH	Spain	37.1320N	3.8240W	717	
Chimgan	CHMG	Uzbekistan	41.5500N	70.0100E	1428	
Chimiche	TCHI	Canary Islands	28.1295N	16.5302W	408	From 2016-10-28
Chimion	CHMI	Uzbekistan	40.2689N	71.5226E	645	
Chimkent	TCH	Kazakhstan	42.3190N	69.6030E		
Chimkent	CHM	Kazakhstan	42.3190N	69.6030E	512	
Chimney Peak	WCHM	California,U.S.A.	35.8830N	118.0750W	2475	
China Draw	TPB11	Texas	31.9355N	104.0341W	915	From 2018-05-03
China Gardens	WCGM	California,U.S.A.	36.1900N	117.6240W	1689	From 1975-09-26
China Gardens South	CGSM	California,U.S.A.	36.1900N	117.6240W	1689	From 1975-09-26
China Grove, San Antonio	634A	Texas,U.S.A.	29.3815N	98.3515W	188	From 2009-12-06 to 2011-10-08
China Lake	CLC	California,U.S.A.	35.8158N	117.5975W	775	From 1949-07-08
China Lake	GPO	California,U.S.A.	35.6494N	117.6619W	705	
China Lake Receiver Site	WCXM	California,U.S.A.	35.7116N	117.5945W	654	
Chinandega	CHIN	Nicaragua	12.6430N	87.0270W	300	
China Poot	CNPM	Alaska,U.S.A.	59.5258N	151.2360W	564	
Chinchina	CHN	Colombia	4.9667N	75.6167W	1360	From 1949-08-01
Chingaza	CHIC	Colombia	4.6295N	73.7318W	3140	From 1994-01-01
Chingoma	CHGM	Mozambique	16.8531S	36.8383E	247	From 2010-05-25
Chin-men Tao	KNMB	Taiwan region	24.4638N	118.3884E	43	
Chino	CHNC	California,U.S.A.	33.9988N	117.6804W	208	
Chio	CHIO	Canary Islands,Spain	28.2398N	16.8162W	432	From 2004-05-27
Chios island	CHOS	Greece	38.3868N	26.0550E	842	From 2006-03-29
CHIPINGE	CHIPN	Zimbabwe	20.2334S	32.6466E	982	From 2013-02-25
Chirah Chowk	CHCP	Pakistan	33.6583N	73.2638E	579	
Chiredzi	CIR	Zimbabwe	21.0133S	31.5800E	430	
Chireno	ET01	Texas	31.4647N	94.3652W	127	From 2019-06-07
Chiribis	RO06A	Romania	47.3108N	22.3387E	124	From 2022-11-02
Chirikof Island	CHIR	Alaska,U.S.A.	55.8218N	155.6225W	203	From 2008-09-15
Chirikof Island	CHIA	Alaska,U.S.A.	55.8378N	155.5797W	250	
Chiripa	CHPA	Costa Rica	10.4430N	84.9077W	1059	From 2000-01-01
Chiripa	CHIK	Costa Rica	10.4431N	84.9078W	1034	
Chiripa	AR6	Costa Rica	10.4458N	84.9098W	1010	
Chiriqui, SCD2	SCD2	Costa Rica	8.4340N	82.4400W	70	
Chiriqui UPA, Chiriqui	CHIR3	Panama	8.3950N	82.3300W	57	From 2010-01-01
Chirnogi	RO16A	Romania	44.1142N	26.5750E	18	From 2022-06-08
Chironico	CHIR1	Switzerland	46.4198N	8.8330E	800	From 2005-12-15
Chirukhi	CHRK	Georgia	41.5051N	42.4320E	2112	From 2021-09-24
Chisagues Bielsa	ECHI	Spain	42.6646N	0.1946E	1450	From 2010-12-09
Chisec, Alta Verapaz	AVCS	Guatemala	15.8155N	90.2766W	157	From 2021-07-14
Chishang	ECS	Taiwan region	23.0953N	121.2192E	278	From 2015-05-19
Chistovodnoe	CHST	Sakhalinskaya Oblast',Russia	47.0220N	142.3080E	244	From 1990-01-09 to 1992-03-03
Chita	CHIT	Bolivia	20.0756S	66.8851W	3862	From 1994-05-30 to 1995-05-10
Chita	CIT	Chitinskaya Oblast',Russia	52.0211N	113.5519E	790	From 1970-01-01
Chita	CHTJ	Aichi,Japan	34.7303N	136.9066E	40	
CHITILA	GSMB	Romania	44.4813N	26.0273E	85	From 2008-10-30
Chitina Glacier	CTGM	Alaska,U.S.A.	60.9650N	141.3330W	1554	From 1979-09-05
Chitina, Valdez-Cordova	N25K	Alaska,U.S.A.	61.6061N	144.5982W	1087	From 2014-10-01
Chitipa	CPMW	Malawi	9.7057S	33.2692E	1272	From 2014-07-22 to 2015-11-04
Chitna Glacier	CTG	Alaska,U.S.A.	60.9649N	141.3401W	1507	From 2010-06-18
Chitral	CHT1	Pakistan	35.9220N	71.8440E	1576	From 2009-08-20
Chitral	CHTL	Pakistan	35.8800N	71.7800E	1494	From 2007-10-10
Chitre	CHIT3	Panama	7.9563N	80.4177W	20	
Chittagong	CHT	Bangladesh	22.3500N	91.8167E	35	
Chitwood Farm, Usk	B10A	Washington,U.S.A.	48.2995N	117.2252W	585	From 2006-08-30 to 2008-06-11
Chiusi della Verna (AR)	AR03	Italy	43.7681N	11.9176E	752	From 2011-05-26 to 2011-09-30
Chivirico	CHIV	Cuba	19.9763N	76.4146W	20	
Chize	CHIF	France	46.1330N	0.4080W	62	
Chizu	CZT	Tottori,Japan	35.2695N	134.2936E	300	
Chkalov	CKLZ	Armenia	40.9350N	44.6510E	1410	
Chkalova array site	CHK8	Kazakhstan	53.6796N	70.5731E	140	From 1995-08-11
Chkalova array site	CHK4	Kazakhstan	53.6952N	70.6431E	131	From 1995-08-11
Chkalova array site	CHK9	Kazakhstan	53.6975N	70.6002E	132	From 1995-08-11
Chkalova array site	CHK5	Kazakhstan	53.6716N	70.6592E	136	From 1995-08-11
Chkalova array site	CHK6	Kazakhstan	53.6509N	70.6324E	148	From 1995-08-11
Chkalova array site	CHK7	Kazakhstan	53.6539N	70.5869E	147	From 1995-08-11
Chkalovo	CHKZ	Kazakhstan	53.6761N	70.6153E	123	From 1994-07-23
Ch'k'valeri	CHVG	Georgia,Georgia	42.7183N	42.0841E	390	
Chmisales	CHIHN	Santa Barbara,Honduras	15.1615N	88.3492W	1701	From 2016-01-01
CHN6	CHN6	Taiwan region	23.7352N	120.3953E	22	From 1994-01-25 to 1997-09-30
Chocan	CHP3	Peru	5.1800S	80.9619W	200	From 1979-12-01
Chocan - Peru	CHO0	Peru	5.1668S	80.9622W	221	
Chocolate Mountain	CH2	California,U.S.A.	33.2962N	115.3360W	347	From 1977-12-01 to 2008-07-06
Chocolate Mountains	COT	California,U.S.A.	33.3052N	115.3530W	294	From 1973-04-16 to 2002-12-20
Choctaw High	OK006	Oklahoma,U.S.A.	35.4780N	97.2787W	358	
Choix	CSIG	Sinaloa	26.8300N	108.3700W	190	From 2014-10-08
Chokchoi	CKH	Sakha,Russia	57.6500N	121.7200E	240	From 1989-06-01
Chokwe, A0818	M0818	Mozambique	24.5103S	33.0078E	32	
Cholame Creek	CCRB	California,U.S.A.	35.9572N	120.5515W	350	
Cholame Hills	PCMM	California,U.S.A.	35.8055N	120.4096W	671	
Cholame Valley	CVC	California,U.S.A.	35.8242N	120.3510W		
Choma	CHMZ	Zambia	16.8333S	27.0667E	1278	From 1987-01-01
Chonco	CNR	Nicaragua	12.6725N	87.0722W	240	From 1975-01-01
CHONE	CHON	Ecuador	0.7179S	80.0962W	37	From 2016-05-14
Chongjin	CHJN	Democratic People's Republic of Korea	41.8022N	129.7968E	50	From 1978-01-01
Choranche	OG13	Rhone-Alpes,France	45.0733N	5.3995E	560	From 1989-08-11
Chor-Sady	CSD	Tajikistan	38.8500N	69.7800E		
Choruk-Darron	CHRDR	Tajikistan	40.3867N	69.6717E	533	From 2009-06-01
Chorzow	CHZ	Poland	50.2925N	18.9917E	316	From 1960-01-01
Chorzow	CHZP	Poland	50.2910N	18.9920E	312	From 2009-11-11
Choshi	COJ	Chiba,Japan	35.7022N	140.8550E	-42	
Choshiashikajima	JCAJ	Chiba	35.7211N	140.8578E	28	From 2019-03-20
Chosi	CHO	Chiba,Japan	35.7250N	140.8433E	27	
Chosi	CHOJ	Chiba,Japan	35.7027N	140.8587E	62	From 1986-11-08
Chosi	CHO1	Chiba,Japan	35.7367N	140.8617E	28	From 1986-08-22 to 1986-11-08
Chotylub	PL04A	Poland	50.2397N	23.2288E	229	From 2019-12-17
Choutuppal	CUPL	India	17.2947N	78.9205E	370	
Chowiet Island	CHW	Alaska,U.S.A.	56.0333N	156.7120W	160	From 1974-01-01
Choya	CYA	Catamarca,Argentina	28.4417S	65.8020W	570	From 1971-02-01
Chr Bro Hi School	CBHT	Tennessee,U.S.A.	35.1326N	89.8657W	79	
Chr Cany lake	CCCA	California,U.S.A.	35.5249N	117.3645W	670	
Chrea	ACHR	Algeria,Algeria	36.4236N	2.8789E	1610	
Chrisman Ranch, Davenport	C09A	Washington,U.S.A.	47.8006N	118.2741W	495	From 2006-09-19 to 2009-01-08
Chrisopigi ,Chania, Crete Is.	G0LD	Crete	35.4955N	24.0306E	15	From 2015-06-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Christchurch	CBGS	South Island	43.5310S	172.6198E	16	
Christchurch	CHR	South Island,New Zealand	43.5311S	172.6268E	8	From 1901-11-01 to 1991-09-02
Christchurch	REHS	South Island	43.5236S	172.6350E	16	
Christchurch Cathedral College	CHCC	South Island,New Zealand	43.5381S	172.6474E	4	From 2006-08-16
Christianburg	CBT	Tennessee,U.S.A.	35.5394N	84.4206W	357	
Christianenhaus	CHRS	Thuringen,Germany	51.6084N	10.8183E	585	From 2011-10-01
Christian River	F25K	Alaska,U.S.A.	67.5933N	145.6430W	864	From 2016-07-16
Christie Drive Martinez	C018	California,U.S.A.	37.9793N	122.1174W	90	From 2009-07-07
Christine	EF02	Texas	28.7755N	98.5312W	96	From 2018-06-08
Christine	EF51	Texas	28.7897N	98.4979W	98	From 2018-12-17
Christmas Canyon	XMS	California,U.S.A.	35.5233N	117.3550W	704	
Christmas Creek	CKR	Alaska,U.S.A.	64.6680N	160.5305W	671	
Christmas Island	XMIS	Christmas Island,Australia	10.4807S	105.6519E	243	From 2005-08-16
Christmas Island	XMI	Christmas Island,Australia	10.4495S	105.6895E	277	From 1976-09-27
Christmas Valley	J06A	Oregon,U.S.A.	43.2515N	120.1528W	1407	From 2006-01-31 to 2008-04-10
Chrome Mountain	CRMT	Montana,U.S.A.	45.4558N	110.1402W	2941	
Chromio, N016	N016M	Greece	40.1296N	21.7403E	681	
Chrysochou	POL4C	Cyprus	35.0032N	32.4416E	74	From 2020-09-01
Chrysovitsi	S009	Greece	37.5480N	22.2120E	1174	
Chua Tram	CTVN	Vietnam	20.9382N	105.6888E	50	
Chuberi	CHBG	Georgia	43.0129N	42.0869E	2142	From 2021-09-24
Chuberi	CBRG	Georgia,Georgia	43.0617N	42.1768E	1148	From 1968-01-01
Chuchupate	CHP	California,U.S.A.	34.8083N	119.0120W	1590	From 1952-01-01 to 1952-11-30
Chudeng	CHUD	Xizang Zizhiqu,China	29.6981N	91.1361E	3771	From 2005-03-28
Chudenice	A072A	Czech Republic	49.4683N	13.1735E	495	From 2015-08-27
Chudow	PL28A	Poland	50.2049N	18.7694E	250	From 2020-01-31
Chuian-Garon	CGT	Tajikistan	38.6500N	69.1500E	1050	From 1965-01-01 to 1993-01-01
Chujado	CJD	Republic of Korea	33.9594N	126.2934E	91	From 2015-10-01
Chukha	CHUK	Bhutan	27.0827N	89.5503E	2263	
Chulitna	CUT	Alaska,U.S.A.	62.4047N	150.2690W	168	From 1986-07-18
Chul'man	CLNS	Sakha,Russia	56.8369N	124.8931E	704	
Chul'man	CL1S	Sakha,Russia	56.8500N	124.9000E	650	From 1962-01-01 to 1986-12-31
Chumby, Stover	R39A	Missouri,U.S.A.	38.3138N	93.0383W	290	From 2010-12-08 to 2012-09-14
Chumysh	CHMS	Kazakhstan	42.9986N	74.7513E	655	
Chuncheon	KSCHC	Republic of Korea	37.7776N	127.8145E	241	
Chungju	KSCHJ	Republic of Korea	36.8729N	127.9748E	219	
Chungun	CGUB	Republic of Korea	37.5582N	127.7136E	60	From 2018-03-09
Chungyang	CHYB	Republic of Korea	36.9440N	128.9145E	350	From 2015-10-01
Chunjangdae	CJDB	Republic of Korea	36.1740N	126.5284E	-45	From 2018-03-09
Chunya	CHUN	Tanzania	8.5434S	33.4337E	1527	From 2014-07-02 to 2015-11-04
Chupsang	CHUS	Xizang Zizhiqu,China	29.9970N	90.7462E	4113	From 2005-08-25
Chupungnyeong	KSCPN	Republic of Korea	36.2169N	127.9913E	242	From 2000-02-24
CHUPUNGNYEONG	KSCPR	Republic of Korea	36.2210N	127.9719E	284	From 2006-12-30
Chuquichambi	CHUQ	Bolivia	17.9467S	67.8162W	4178	From 1995-01-01 to 1995-05-06
Chur	CHU	Switzerland	46.8499N	9.5367E	630	
Church	CHB	Alaska,U.S.A.	64.2577N	149.1700W	196	
Church Bay	WCB1	Wales,United Kingdom	53.3782N	4.5467W	139	From 1985-01-01
Church Hills	CHTN	Tennessee,U.S.A.	36.5847N	82.7200W	558	From 1983-02-10 to 1986-01-09
Churchill	CH-MT	Manitoba,Canada	58.6069N	93.8167W	38	From 1965-10-22 to 1965-11-09
Churchill	CH-	Manitoba,Canada	58.6069N	93.8167W	38	From 1965-10-22 to 1965-11-09
Chur Gewerbeschulhaus	SCUG	Switzerland	46.8561N	9.5238E	578	From 2011-11-25
Churui	JCH	Tokachi,Japan	42.6143N	143.3623E	120	
Churwalden Kloster GR	SCHK	Switzerland	46.7889N	9.5363E	1208	From 2015-07-16
Chusal	CHS	Tajikistan	39.1000N	70.7667E	1670	
Chushkaly	CHKK	Kazakhstan	43.8540N	76.9880E	540	From 1989-05-11
Chusmiza	GO01	Chile	19.6685S	69.1942W	3809	
Chutung	TWR	Taiwan region	24.6401N	121.0786E	760	From 1974-02-11
Chuyangaron	CHGR	Tajikistan	38.6569N	69.1582E	1049	
Chuyul	PARO	Bhutan	27.5673N	89.3205E	2566	
Chvalec	CHVC	Czech Republic	50.5881N	16.0547E	598	From 2009-05-20
Chylin	CYP	Poland	51.2933N	23.3000E	100	From 1976-01-01 to 1991-12-31
Cibinong	CGJI	Jawa,Indonesia	6.6135S	105.6929E	0	From 2007-12-01
Cibinong	CNJI	Jawa,Indonesia	7.3090S	107.1296E	0	From 2007-12-01
Cibinong	KMSI	Sulawesi,Indonesia	0.5745N	123.9807E	0	From 2007-12-01
Cicekdag	CDAG	Turkey	39.6236N	34.3719E	1136	From 2005-03-23
Cicese	CCX	California,U.S.A.	31.8678N	116.6644W	40	
Cicogna	DIV12	Italy	46.0032N	8.4922E	775	From 2022-01-25 to 2025-12-31
Cieklin	PL09A	Poland	49.6417N	21.4052E	344	From 2019-12-14
Cienega Rd	AN14*	California,U.S.A.	36.7092N	121.3430W	305	From 1969-05-29
Cienega Road	BCGM	California,U.S.A.	36.7092N	121.3430W	305	From 1969-05-29
Ciftеler, Eskisehir	CIFT	Turkey	39.3612N	31.0625E	892	From 2013-03-15
Cigeo UNAN	UNAN	Nicaragua	12.1111N	86.2707W	204	From 2001-01-01
CIGO, UAF Yankovich Road, Fairbanks	TCOL	Alaska,U.S.A.	64.8735N	147.8618W	178	From 2012-10-08
Cihanbeyli	CHBY	Turkey	38.5823N	32.8901E	1086	From 2010-06-29
Cikalong Wetan, Jawa Barat	CWJM	Indonesia	6.7424S	107.4449E	649	From 2019-01-01
Cikedung, Jawa Barat	CIJM	Indonesia	6.4926S	108.1853E	43	From 2019-01-01
Cilcuayo	CIVM	Mexico D.F.,Mexico	19.1032N	98.9858W	3530	
Cilicap	CLJI	Jawa,Indonesia	7.7187S	109.0150E	46	From 2005-01-01
Cilov Adasi	ZHI	Azerbaijan	40.3250N	50.5900E	-24	From 1968-01-01
Cima Ekar Asiago	CEKR	Italy	45.8492N	11.5685E	1365	From 2019-04-01
Cima Grappa	CGRP	Italy	45.8800N	11.8000E	1757	
Cimarron	R21A	Colorado,U.S.A.	38.3685N	107.5501W	2260	From 2007-11-14 to 2010-02-07
CIMA - Sant'Angelo dei Lombardi	SALI3	Italy	40.9300N	15.1800E	872	
Cimerak	CMJI	Jawa,Indonesia	7.7837S	108.4485E	0	From 2007-12-01
Ciminna	CIMI	Sicily	37.8814N	13.5726E	575	From 2021-09-01
Cimolais	CIMO	Italy	46.3100N	12.4400E	610	
Cinarcik Cinnet	CINR	Turkey	40.6133N	29.0750E	70	From 2009-01-01
Cinarcik-Koru-Yalova	SBT1	Turkey	40.7056N	29.1491E	-1260	From 2010-12-31
ınarlı, anakkale	CNKL	Turkey	40.0662N	26.3872E	109	From 2017-02-07
Cincinnati	CNN	Ohio,U.S.A.	39.1450N	84.4967W	203	From 1927-01-01 to 1963-12-31
Cinco Dias	MINZ	Colombia	2.3358N	76.4132W	4019	
Cinco Dias	SNRF	Colombia	2.3800N	76.3560W	3518	
Cinco Dias	CURI	Colombia	2.3045N	76.3942W	4507	
Cinco Dias	PCON	Colombia	2.3280N	76.3970W	4294	
Cinco Dias	AGBL	Colombia	2.3140N	76.4038W	4374	
Cine	CIN	Turkey	37.6000N	28.0867E	120	From 1956-06-01
Cinebar	E04D	Washington,U.S.A.	46.5566N	122.5673W	204	From 2010-08-26
Cingoli	CING	Italy	43.3756N	13.1954E	626	From 2003-11-19
Ciocanesti	CICN	Romania	44.1970N	27.0261E	18	From 2019-03-22
Ciorogarla	CIOR	Romania	44.4489N	25.8799E	138	From 2003-11-02
Cipedes, Jawa Barat	CIJI	Indonesia	7.3174S	108.1959E	418	From 2019-10-01
Cipolletti	CIP	Rio Negro,Argentina	38.9333S	68.1333W		
Cipongkor, Jawa Barat	CBJM	Indonesia	6.9308S	107.3562E	679	From 2019-01-01
Cipreses	CICH	O'Higgins,Chile	34.3198S	70.4205W	1200	
Ciracap, Jawa Barat	CSJI	Indonesia	7.3302S	106.5211E	153	From 2019-10-01
Circle Bar Ranch, Crane	J08A	Oregon,U.S.A.	43.3580N	118.4743W	1229	From 2006-06-28 to 2009-01-08
Circle Bar Ranch, Sunflower	Y16A	Arizona,U.S.A.	33.8798N	111.4783W	1068	From 2007-03-21 to 2008-12-02
Circle Diamond K Ranch, Victoria	736A	Texas,U.S.A.	28.9550N	97.0673W	45	From 2010-04-18 to 2011-11-12
Circle Dot Ranch, Maxwell	U25A	New Mexico,U.S.A.	36.3998N	104.4081W	1845	From 2008-05-12 to 2010-04-15
Circle Ranch, Eureka	P11A	Nevada,U.S.A.	39.5530N	115.7536W	1787	From 2006-05-28 to 2008-09-09
Circonvallazione Appia, Rome	NR12	Italy	41.8755N	12.5155E	37	From 2021-01-15 to 2021-04-06
Circular Butte	CRBI	Idaho,U.S.A.	43.8303N	112.6350W	1543	
Crculo Militar	CIRC	Ecuador	0.1963S	78.4875W	2791	From 2010-08-19
Cirey Neuves-Granges	CIREY	France	47.4148N	6.1208E	307	From 2018-07-10 to 2020-01-01
Cirkulane	S52SK	Slovenia	46.3419N	15.9703E	318	From 2019-01-12
CIRKULANE	RCF63	Slovenia	46.3420N	15.9702E	297	From 2019-01-10
Ciro'	CIRK	Italy	39.3884N	17.0614E	300	From 2020-03-04
Cirque	CRQM	Alaska,U.S.A.	60.7567N	143.1390W	1853	From 1988-07-01
Cirque	CRQE	Alaska,U.S.A.	60.7523N	143.0926W	1392	From 2010-06-20
CIRRMA PUCMM	PU001	Dominican Republic	18.4632N	69.9298W	43	From 2022-03-30
CIS array 21	CIS21	Italy	42.9778N	12.4621E	640	
CIS array 22	CIS22	Italy	42.9781N	12.4628E	642	
CIS array 23	CIS23	Italy	42.9794N	12.4628E	644	
CIS array 24	CIS24	Italy	42.9794N	12.4601E	629	
CIS array 25	CIS25	Italy	42.9784N	12.4619E	640	
CIS array 26	CIS26	Italy	42.9777N	12.4580E	626	
CIS array 27	CIS27	Italy	42.9818N	12.4581E	608	
CIS array 28	CIS28	Italy	42.9790N	12.4665E	613	
CIS array 29	CIS29	Italy	42.9756N	12.4632E	607	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cisc	CISC	Cuba	20.0020N	75.7710W		
Cisco Grove, Yuba Pass, CA USA	YUBA	California	39.3376N	120.5372W	2371	
Cishan	SCST	Taiwan region	22.8856N	120.4938E	70	From 2014-07-28
Cisompet, Garut	CISI	Jawa,Indonesia	7.5557S	107.8153E	544	From 2008-07-21 to 2015-12-01
Cisternazza	ECIS	Sicily,Italy	37.8360N	14.9953E	1342	From 1992-10-01
Citeko	CBJI	Jawa,Indonesia	6.4200S	106.8500E	0	
Cite Saint-Georges, Port-au-Prince, Haiti	RE87E	Haiti	19.0991N	72.6960W	20	
Cite Saint-Georges, Port-au-Prince, Haiti	R9A9C	Haiti	18.5496N	72.2983W	74	
Citronelle, Rodrigues Island	RODM	Mauritius	19.6962S	63.4413E	300	
Citronen Fjord	CFJ	Greenland	83.0835N	28.3208W	60	From 2004-07-28 to 2007-05-12
Citt di Castello	CCPC	Italy	43.4779N	12.2539E	310	From 2011-10-01
Citta di Castello Trestina	CDCT	Italy	43.3660N	12.2363E	309	From 2019-10-24
Cittanova	ME10	Italy	38.3029N	16.1953E	728	From 2007-11-21 to 2009-02-05
CITTAREALE	CTRL	Italy	42.5978N	13.1626E	844	From 2018-08-07
Citt` di Castello	CDCA	Italy	43.4584N	12.2336E	50	From 2006-07-13
City College NY	CNY	New York,U.S.A.	40.8217N	73.9533W		
City Hall, Gustavus	R31K	Alaska,U.S.A.	58.4133N	135.7398W	15	From 2016-08-23
City of Haslet	FW02	Texas,U.S.A.	32.9502N	97.3426W	226	From 2016-09-22
Ciudad Altamirano	CDAM	Guerrero,Mexico	18.3500N	100.6500W	300	
Ciudad Bolivar, Antioquia	CBOC	Colombia	5.8640N	76.0120W	1401	From 2013-08-07
Ciudad de Armeria	CDAR	Jalisco	18.9408N	104.0107W	75	
Ciudad Guzman	CGX	Jalisco,Mexico	19.6917N	103.5080W	1530	
Ciudad Neily	NELY	Costa Rica	8.6500N	82.9460W	67	
Ciudad Quesada	QUEU	Costa Rica	10.3220N	84.4350W	678	
Ciudad Sandino San Andres de las Palancas	SAPS	Managua,Nicaragua	12.1693N	86.4048W	156	From 2014-05-14
Ciudad Serdan	IISM	Puebla,Mexico	18.9880N	97.3768W		
Ciudad Universitaria	CUIG	Mexico D.F.	19.3300N	99.1800W	2257	From 1994-07-07
Ciudanovita	RO10A	Romania	45.1565N	21.7779E	277	From 2022-08-30
Civita di Ruta - Ottati	CDRU	Italy	40.4896N	15.3046E	1057	From 2005-10-13
Civitanova Marche	CIMA	Italy	43.3059N	13.6701E	163	From 2010-03-15
Civita (PG)	T1218	Italy	42.6700N	13.1152E	1183	From 2016-08-25 to 2017-09-21
Civitella Cesi - VT	TO09	Italy	42.1868N	12.0181E	220	From 2009-01-14 to 2009-04-02
Civitella del Tronto, Fortezza	CV01	Italy	42.7727N	13.6662E	642	From 2016-08-30
Civitella del Tronto, Torrione Porta Napoli	CV02	Italy	42.7731N	13.6695E	600	From 2016-08-30
Civitella del Tronto, via Parnaso	CV05	Italy	42.7716N	13.6637E	605	From 2016-08-30
Civitella del Tronto, via Roma	CV04	Italy	42.7723N	13.6667E	585	From 2016-08-30
Civitella del Tronto, via Salinello	CV03	Italy	42.7726N	13.6730E	540	From 2016-08-30
CKGRV	CKGRV	Botswana	21.4035S	23.7718E	1005	
CL01	CL01	Romania	45.8230N	26.3670E	1759	
CL02	CL02	Romania	45.7710N	26.5090E	1103	
CL03	CL03	Romania	45.6590N	26.5780E	369	
CL04	CL04	Romania	45.6020N	26.4090E	1641	
CL05	CL05	Romania	46.0310N	26.3850E	773	
Clabaugh Cattle Company, Gillette	H23A	Wyoming,U.S.A.	44.5620N	105.4007W	1213	From 2008-10-18 to 2010-09-06
Clairette	234A	Texas,U.S.A.	32.0040N	98.1368W	358	From 2009-11-17 to 2011-10-01
Clancy	CMT	Montana,U.S.A.	46.5167N	111.9330W	1402	From 1974-01-01
CLANWILLIAM TOWN	CLANW	South Africa	32.1900S	18.8698E	180	From 2022-07-27
Clara Peak	CLP	New Mexico,U.S.A.	36.0358N	106.2400W	2591	From 1973-09-01
Clarenceville	G59A	Quebec,Canada	45.0807N	73.1809W	36	From 2013-09-17
Clark Canyon Reservoir	CCMT	Montana,U.S.A.	44.9150N	112.8740W	1926	From 1985-07-24 to 1989-08-30
Clarke City	SMQ	Quebec,Canada	50.2225N	66.7028W	344	
Clark Hill Reservoir	CH6	Georgia,U.S.A.	33.8792N	82.5194W	146	From 1975-12-01
Clark Hill Reservoir	LDVG	Georgia,U.S.A.	34.1478N	82.6833W	162	
Clark Hill Reservoir	BEVG	Georgia,U.S.A.	34.0893N	82.7333W	158	
Clark Hill Reservoir	IVAG	Georgia,U.S.A.	34.2721N	82.7460W	168	
Clark Hill Reservoir	CH5	Georgia,U.S.A.	33.7333N	82.3250W	132	From 1975-12-01
Clarkson	K49A	Michigan,U.S.A.	42.7835N	83.4556W	336	From 2012-10-11
Clark State Community College	CSCO	Ohio,U.S.A.	39.8950N	83.7980W	304	
Clarkstown	CLAR	New York,U.S.A.	41.1887N	74.0037W	76	
Clarksville	U47A	Tennessee,U.S.A.	36.4413N	87.2892W	145	From 2011-12-03
Clark Valley	GCK	California,U.S.A.	39.5438N	122.4367W	251	
Clark Valley	GCKB	California	39.5446N	122.4367W	153	From 2022-10-17
Clatskanie	B023	Oregon,U.S.A.	46.1112N	123.0787W	-55	
Clausthal	CLZ	Niedersachsen,Germany	51.8416N	10.3724E	680	
Claut1	CLA1	Italy	46.2660N	12.5170E	612	
ClautB	CLAB	Italy	46.2720N	12.5120E	672	
Claveria (Burias Island), Masbate	BIMP	Philippines	12.8937N	123.2215E	60	From 2022-04-06
Clavier	BCLA	Belgium	50.4196N	5.3029E	235	From 1991-10-29
Clay Center	CCNE	Nebraska,U.S.A.	40.5037N	97.9367W	529	
Clayton	CT-OK	Oklahoma,U.S.A.	34.4881N	95.1272W	305	From 1962-07-14 to 1962-10-05
Clayton	X37A	Oklahoma,U.S.A.	34.5892N	95.3713W	207	From 2010-04-21
Clayton	CT-	Oklahoma,U.S.A.	34.4881N	95.1272W	305	From 1962-07-14 to 1962-10-05
Clayton Basin, Artesia	126A	New Mexico,U.S.A.	32.6462N	104.0204W	1032	From 2008-03-15 to 2010-02-16
Clayton Lake	E62A	Maine,U.S.A.	46.6201N	69.5227W	356	From 2013-10-09
Clear Creek Butte	CCB	Alaska,U.S.A.	64.6467N	147.8050W	219	From 1971-02-25
Clear Creek, Montana	CLMT	Montana	46.8187N	112.7699W	1615	From 2018-08-21
Clear Creek Ranch, Tonopah	Q10A	Nevada,U.S.A.	38.8247N	116.3999W	2027	From 2007-02-05 to 2008-09-13
Clear Lake Reservoir, Modoc Natn. Forest, Newell, CA USA	CLRSA	California	41.7982N	121.1114W	1377	From 2021-06-01
Clear Mews	CMA	Alaska,U.S.A.	64.2900N	149.1800W	181	From 1964-01-01 to 1974-01-31
Clearmont	H22A	Wyoming,U.S.A.	44.5943N	106.3521W	1276	From 2008-10-09 to 2010-09-09
Cleburne	FW13	Texas,U.S.A.	32.3517N	97.4311W	259	From 2016-11-14
Cle Elum	D06A	Washington,U.S.A.	47.1935N	120.8445W	575	From 2006-09-12 to 2008-05-12
Clemmons Ranch, Yeso	X25A	New Mexico,U.S.A.	34.5271N	104.6621W	1494	From 2008-04-27 to 2010-03-20
Clenze	CLNZ	Niedersachsen	52.9423N	10.9536E	32	From 2007-12-26 to 2018-12-19
Clermont-Ferrand	CFF	Auvergne,France	45.7630N	3.1112E	400	From 1984-11-01
Clermont-Ferrand	NE16	Auvergne,France	45.7630N	3.1112E	400	From 1984-11-01 to 2001-07-28
Cleve	CLV	South Australia,Australia	33.6911S	136.4960E	238	From 1963-10-01
Cleveland	CLE	Ohio,U.S.A.	41.4888N	81.5321W	328	
Cleveland	W51A	Tennessee,U.S.A.	35.1606N	84.7599W	260	From 2012-06-13
Cleveland Dam	CLVB	British Columbia,Canada	49.3817N	123.1447W	427	
Cleveland East, Cleveland Volcano	CLES	Alaska,U.S.A.	52.8235N	169.8951W	146	From 2014-08-09
Cleveland Museum of Natural History	CLEO	Ohio,U.S.A.	41.5120N	81.6140W	192	
Clever	T39A	Missouri,U.S.A.	37.0241N	93.3774W	366	From 2010-12-16 to 2012-10-28
Clevilliers	CLEV	France	48.5490N	1.3892E	182	From 2018-04-05
Cliffside	CFM	Montana,U.S.A.	48.2081N	115.4580W	886	From 1971-02-01 to 1974-07-09
Cliffs of the Neuse	CNNC	North Carolina,U.S.A.	35.2393N	77.8901W	29	From 2006-06-26
Clifton-Fine, NY	CFNY	New York,U.S.A.	44.1651N	75.0513W	461	From 2015-10-08
Climax Mine	NYM	Nevada,U.S.A.	37.2313N	116.0520W	1603	From 1971-01-01 to 1973-01-31
CLINCENI	CLIR	Romania	44.3784N	25.9414E	88	From 2008-11-06
Clinic, Gonder/Metema	MGNE	Ethiopia,Ethiopia	12.7864N	36.4043E	771	From 2014-04-05 to 2015-02-08
Clinic, Silare	SILA	Ethiopia,Ethiopia	12.7442N	37.9891E	1596	From 2014-04-07 to 2017-12-01
Clinic, Wadera	WADE	Ethiopia,Ethiopia	5.7847N	39.3020E	1844	From 2014-04-20 to 2017-12-01
Clinton	E14A	Montana,U.S.A.	46.4162N	113.4926W	1675	From 2006-10-12 to 2009-06-12
Clinton	W59A	North Carolina,U.S.A.	35.1673N	78.4430W	60	From 2013-03-09
Clinton	CLIN	New York,U.S.A.	41.8750N	73.8490W	168	From 1978-05-01 to 1983-02-25
Clintwood	CI-	Virginia,U.S.A.	37.1936N	82.4158W	549	From 1962-10-15 to 1962-10-27
Clintwood	CI-VA	Virginia,U.S.A.	37.1936N	82.4158W	549	From 1962-10-15 to 1962-10-27
Cloghs, Cushendall	CLGH	Northern Ireland,United Kingdom	55.0828N	6.1106W	239	From 2012-01-30
Closani	CLO	Romania	45.0739N	22.8019E	335	From 1982-09-01
Cloverdale	GCVM	California,U.S.A.	38.7697N	123.0140W	150	From 1975-05-07
Clover Valley, Wells	N12A	Nevada,U.S.A.	40.8522N	115.0387W	1786	From 2006-05-10 to 2008-08-09
Club Campestre	CLUB	El Salvador	13.7016N	89.2548W	905	
Cludinico	CLUD	Italy	46.4569N	12.8814E	635	From 2011-02-15
Cluj	CLU	Romania	46.7500N	23.6500E		
Cluj-Babes-Bolyai University	CBBR	Romania	46.7683N	23.5501E	336	From 2015-06-05
Cluj-Napoca	CJR1	Romania	46.7661N	23.5514E	345	From 1985-12-01
Cluj-Napoca	CJR	Romania	46.7133N	23.5981E	750	From 1979-01-01
Clyde	CYZ	South Island,New Zealand	45.1442S	169.3296E	606	From 1984-04-04 to 1987-02-26
Clyde River	CLRN	Nunavut,Canada	70.4743N	68.5871W	9	From 2011-01-13
CM02E	CM02E	Romania	45.3760N	26.3910E	526	
CM03E	CM03E	Romania	45.2650N	26.2670E	338	
CM05E	CM05E	Romania	44.8010N	26.2730E	105	
CM08E	CM08E	Romania	45.1890N	26.5780E	185	
CMO6E	CMO6E	Romania	44.8880N	26.0490E	191	
CMU Biological Station, Beaver Island	F45A	Michigan,U.S.A.	45.6837N	85.5156W	173	From 2011-09-23
CN03	CN03	Romania	46.2400N	27.8480E	278	
CN05	CN05	Romania	44.3450N	28.0450E	104	
CN07	CN07	Romania	45.1380N	26.5450E	750	
Coachella	COA	California,U.S.A.	32.8635N	115.1230W	35	From 1973-04-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Coal Bank Pass, Durango	S21A	Colorado,U.S.A.	37.6620N	107.7917W	2723	From 2007-12-05 to 2009-11-09
Coal Creek Mining Camp	I26K	Alaska,U.S.A.	65.3064N	143.1541W	338	From 2015-09-12
Coaldale, S01	SCR01	Colorado	38.3651N	105.7663W	2028	
Coamo	CCA	Puerto Rico	18.0696N	66.3263W	269	From 1977-02-15 to 1999-08-25
Coaracy Nunes - AP	CN01	Para	0.9309N	51.2578W	66	From 2016-03-30
Coast Env Seattle	KDKW	Washington,U.S.A.	47.5950N	122.3335W	4	
Coatepeque	COAS	El Salvador	13.8867N	89.5719W	1260	
CO. Balcn	BS01	Bolivia	20.7323S	65.1945W	2897	From 2012-08-06
Cobalt	G13A	Idaho,U.S.A.	45.0931N	114.2329W	1538	From 2006-11-14 to 2009-06-04
Coban	AVCB	Guatemala	15.4700N	90.4055W	1325	From 2015-04-22
Cobano	CAO	Costa Rica	9.7012N	85.1033W	263	From 1984-11-01
Cobano, Puntarenas	CAO2	Costa Rica	9.6880N	85.1070W	179	From 2012-01-01
Cobar Meteorology Station	CMS	New South Wales,Australia	31.4867S	145.8283E	255	From 1982-12-06 to 1999-08-25
Cobar Meteorology Station	CMSA	New South Wales,Australia	31.5375S	145.6916E	220	From 2001-06-26
Cobb Dam	CDZ	South Island,New Zealand	41.0938S	172.7132E	780	From 1989-11-01 to 1990-04-30
Cobblestone Ranch, Loring	A20A	Montana,U.S.A.	48.8799N	107.9257W	868	From 2008-09-11 to 2010-07-20
Cobb Mountain	GCMM	California,U.S.A.	38.8058N	122.7550W	1286	From 1975-04-23
Cobb River	COB	South Island,New Zealand	41.0861S	172.7340E	213	From 1949-07-19 to 1990-02-25
Cobden	COBO	Ontario	45.6269N	76.8835W	146	From 2018-12-19
Cobleskill	CONY	New York,U.S.A.	42.6658N	74.4688W	468	From 2001-07-14 to 2006-02-28
Cobquecura	COBQ	Bio-Bio,Chile	36.1077S	72.7440W	100	
Cobquecura	COCH	Bio-Bio,Chile	36.1313S	72.7883W	23	
Cochabamba	CCH	Bolivia	17.3842S	66.1342W	2650	
Cochancay	COHC	Ecuador	2.4662S	79.2546W	33	From 2012-05-23
Cochiti	COH	New Mexico,U.S.A.	35.5802N	106.3050W	1646	From 1976-01-01
Cochrane	CHRN	Chile	47.2493S	72.5903W	198	From 2009-09-07
Cochrane	AY03	Chile	47.2530S	72.5910W	174	From 2016-08-02
Coco Island	ICCO	Costa Rica,Costa Rica	5.5436N	87.0567W	10	From 2007-09-23
Coconuco	CONV	Colombia	2.3278N	76.4347W	4150	
Coconuco	LAROC	Colombia	2.3200N	76.4198W	4250	
Coconuco, CURV	CURVC	Colombia	2.3033N	76.3955W	4400	
Cocos Island	CCK	Cocos Islands,Australia	12.2000S	96.9000E		
Cocos Islands	I06AU	Cocos Islands	12.1464S	96.8203E	0	From 2011-10-31
Cocozzello	CO22	Italy	39.4926N	16.3051E	430	From 2016-10-11
Codavolpe	ECDV	Sicily,Italy	37.7010N	15.1620E	230	From 1994-10-01
Codazzi, Cesar	CCODA	Colombia	9.9350N	73.4430W	108	From 2012-03-08
Codolo	CODM	Italy	44.3908N	9.8500E	580	From 1999-03-01
Codrington	CPB	Barbuda,Antigua and Barbuda	17.6400N	61.8260W	5	From 1980-07-09
Codroy Newfoundland	CODG	Newfoundland,Canada	47.8406N	59.2535W	50	From 2005-10-06
Cody	CZ-	Nebraska,U.S.A.	42.8750N	101.2417W	975	
Cody	CZ-NB	Nebraska,U.S.A.	42.8750N	101.2417W	975	
Cody Creek RV Park, Cushing	OK030	Oklahoma,U.S.A.	35.9278N	96.7837W	289	From 2014-10-16
Coen	COEN	Queensland,Australia	13.9574S	143.1749E	285	From 2002-10-03
Coe Ranch	COE	California,U.S.A.	37.2590N	121.6735W	329	From 1967-10-03 to 2011-07-23
Coe Ranch	CCOM	California,U.S.A.	37.2590N	121.6735W	329	From 1967-10-03 to 2011-07-23
Coe Ranch Number 3	CCOB	California,U.S.A.	37.2590N	121.6731W	371	
Cofrada	COFN	Nicaragua	12.1500N	86.1100W	50	
Cofrentes, Valencia	EVIV	Spain	39.2668N	1.1185W	656	From 2014-12-09
Cogollos-Vega	ECOG	Spain	37.2772N	3.5664W	1176	From 1990-06-13
Cohagen	D22A	Montana,U.S.A.	47.1498N	106.1797W	791	From 2008-09-06 to 2010-07-16
Cohasset Ridge	OCHM	California,U.S.A.	39.8758N	121.7660W	530	From 1976-12-17
Cohav Hayarden	CVYN	Israel	32.5954N	35.5186E	323	From 2018-06-06
Coimbra	COI	Portugal	40.2080N	8.4124W	140	
Coimbra	PCOI	Portugal	40.1585N	8.4662W	174	
COIRON AMARGO NORTE	NQ14	Neuquen	38.2291S	68.2673W	645	From 2022-11-15
Coker Ranch, Turkey	X30A	Texas,U.S.A.	34.4461N	100.8740W	698	From 2009-03-12 to 2011-02-11
Cokeville	L17A	Wyoming,U.S.A.	42.0995N	110.8727W	1996	From 2007-11-04 to 2009-05-06
Colby Mountain	LCMM	California,U.S.A.	40.1465N	121.5210W	1829	
Colchester	COV	Vermont,U.S.A.	44.5777N	73.1458W	85	From 1976-11-01 to 1980-08-31
Colchester	TCR	England,United Kingdom	51.8349N	0.9125E	40	From 1989-01-01
Col Coahuila, VIC	VIC1	Baja California	32.2900N	115.1000W	16	
Cold Bay	CBA	Alaska,U.S.A.	55.1750N	162.7330W		
Cold Bay	CBY	Alaska,U.S.A.	55.1887N	162.7040W	20	From 1993-06-01
col de Turini - Moulinet	TURF	France	43.9749N	7.3919E	1640	From 2012-03-22
Col de Zad	CZD	Morocco	33.0320N	5.0410W	2435	From 1992-01-01
Coldfoot	COLD	Alaska,U.S.A.	67.2274N	150.2013W	377	From 2004-05-19
Cold Spring	COSP	New York,U.S.A.	41.4407N	73.9282W	128	
Cold Spring Mountain	GCSM	California,U.S.A.	39.0228N	123.5212W	695	
Cold Spring River	CSRY	New York,U.S.A.	43.9692N	74.1750W		From 1983-10-01 to 1986-10-31
Cold Springs	CSPT	Tennessee,U.S.A.	35.7610N	83.8240W	335	From 1983-10-28
Cold Springs	KCSM	California,U.S.A.	40.5377N	123.5130W	1640	From 1992-08-13
Col du Perthus	PERF	Languedoc-Rousillon,France	42.4856N	2.8742E	490	From 1989-01-01 to 1999-10-06
Coldwater Canyon	CWCR	California,U.S.A.	37.4948N	118.3060W	2000	From 1984-08-10 to 2002-10-10
Coldwater, Mount Saint Helens	B201	Washington,U.S.A.	46.3033N	122.2648W	752	
Coleburn Distillery	MCD	Scotland,United Kingdom	57.5828N	3.2542W	280	From 1981-06-01
Coleen River	E27K	Alaska,U.S.A.	68.1861N	141.5951W	654	From 2016-07-13
Colegio 24 de Mayo	C24MA	Ecuador	0.1769S	78.4738W	2836	From 2010-07-02
Colegio Aleman	DSCH	Santiago,Chile	33.3985S	70.5688W	699	
Colegio Gonzalo Zaldumbide - Quito	ZALD	Ecuador	0.2666S	78.5412W	2870	
Colegio internacional SEK los valles, Yaniza Rapata, Cumbaya, Quito, Ecuador	CSEK	Ecuador	0.2094S	78.4488W	2875	From 2017-07-12
Colegio Julio Verne	GUJV	Guatemala	14.5350N	90.4400W	1900	From 2021-04-20
Colegio Marista Quito, el inca, jipijapa, Quito, Ecuador	NCA	Ecuador	0.1594S	78.4714W	2836	From 2017-07-10
Coleman	CLM	Alberta,Canada	49.6350N	114.5200W		
Coleman	I33A	South Dakota,U.S.A.	44.0475N	96.7989W	509	From 2010-08-01 to 2012-06-06
Coleman	232A	Texas,U.S.A.	31.8880N	99.6469W	621	From 2009-03-07 to 2011-02-17
Colesburg	K40A	Iowa,U.S.A.	42.6999N	91.1383W	274	From 2011-06-10 to 2013-06-01
Coleville	R06C	California,U.S.A.	38.5226N	119.4509W	1698	From 2005-08-04 to 2008-03-15
Coley Creek	SCCK	South Carolina,U.S.A.	35.0228N	82.9915W	701	
Coleyville	CVJ	Jamaica	18.2262N	77.5348W	985	
Colfax	CF-	Wisconsin,U.S.A.	45.0942N	91.7664W	366	From 1962-11-04 to 1962-12-12
Colfax	CF-WS	Wisconsin,U.S.A.	45.0942N	91.7664W	366	From 1962-11-04 to 1962-12-12
Colgate University, Hamilton, NY	CGNY	New York,U.S.A.	42.8165N	75.5324W	383	From 2015-12-09
Colider	CLDB	Mato Grosso,Brazil	10.8732S	55.7965W	298	From 2013-04-15 to 2099-01-01
Coligny	CGY	Transvaal,South Africa	26.3483S	26.3750E		From 1986-01-01 to 1999-01-31
Colima	COLM	Colima,Mexico	19.1808N	103.6910W	779	From 1986-01-01
Colima	CMX	Colima,Mexico	19.1808N	103.6910W	779	From 1986-01-01
Colima	COIG	Colima	19.1800N	103.6900W	860	From 1994-07-07
Colinas	COLS	El Salvador	13.6652N	89.2987W	1105	
Collalto	MZ03	Italy	42.6770N	13.2883E	1093	From 2016-09-19 to 2016-10-26
Collalto TV	ED06	Italy	45.8570N	12.2085E	174	
Collangettes	COLF	Auvergne,France	45.5178N	3.6945E	740	
Col Las Americas	LACH	Metropolitana,Chile	33.4518S	70.5308W	690	From 2006-04-01
Col. Lazaro Cardenas, TRI	TRIMX	Baja California	31.4425N	115.7437W	1069	
Collbran, N14	NCR14	Colorado	39.2101N	107.9523W	1979	
Colle Ameno	AMEN	Italy	43.6088N	13.4444E	48	From 2012-09-27
Colle Belvedere (Rocca di Mezzo)	RM24	Italy	42.1710N	13.4724E	1565	From 2009-04-22 to 2009-09-01
Collebrencioni	RM07	Italy	42.4050N	13.4065E	1133	From 2009-04-06 to 2009-08-31
Collecreta	MZ63	Italy	42.6300N	13.3230E	1071	From 2016-09-28 to 2016-11-24
College	COLA	Alaska,U.S.A.	64.8738N	147.8511W	74	From 1996-01-01
College des Creusets, Sion	ESION	Switzerland	46.2269N	7.3476E	482	From 2009-01-09
College--Fairbanks	CMO	Alaska,U.S.A.	64.8600N	147.8350W	183	From 1949-01-01 to 1977-12-31
College Fiord	CFI	Alaska,U.S.A.	61.1827N	147.7670W	3	From 1974-07-31
College of the Siskiyous	LCSM	California,U.S.A.	41.4162N	122.3925W	1125	
College of Wooster	COWO	Ohio,U.S.A.	40.8158N	81.9378W	328	
College Outpost	COL	Alaska,U.S.A.	64.9000N	147.7933W	320	
Collemoresco	MZ20	Italy	42.6451N	13.2327E	1010	From 2016-09-27 to 2016-10-26
Collenoveri	RM11	Italy	42.5382N	13.2772E	931	From 2009-04-07 to 2010-02-15
Collepagliuca	MZ61	Italy	42.6340N	13.3140E	1001	From 2016-09-27 to 2016-11-24
Collepietro	T0110	Italy	42.2264N	13.7791E	915	From 2009-09-02
Colle Posta	MZ096	Italy	42.6613N	13.2043E	1073	From 2016-09-23 to 2016-10-11
Colle Roio	RM02	Italy	42.3430N	13.3283E	787	From 2009-04-06 to 2009-06-17
Colle San Martino	SMB1	Italy	41.3968N	14.7184E	819	
Colle Spada	MZ095	Italy	42.6646N	13.2337E	1036	From 2016-09-23 to 2016-10-11
Collett Street	DAVS	North Island,New Zealand	41.2058S	174.9544E	15	From 2011-06-01
Colliano	CLLN	Italy	40.7177N	15.3180E	1207	From 2004-09-23
Colliano	COL3	Italy	40.6871N	15.3304E	1026	
Colli (Barete)	RM05	Italy	42.4387N	13.2588E	890	From 2009-04-06 to 2009-09-01
Collier Ranch, Chico	Z34A	Texas,U.S.A.	33.3712N	97.9158W	341	From 2009-11-10 to 2011-09-10
Collingwood	CLWO	Ontario,Canada	44.4491N	80.3013W	485	From 2009-05-20

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Collinsville	HGA	Alabama,U.S.A.	34.2602N	85.8464W	384	
Collinsville	CVLQ	Queensland,Australia	20.5900S	147.6090E	102	From 1985-04-03
Collm	CLL	Sachsen,Germany	51.3077N	13.0026E	230	
Colloro (ITA)	DIV02	Italia	46.0107N	8.3273E	588	From 2021-10-13 to 2025-12-31
Collurania	CLR	Italy	42.6667N	13.7167E		
Col Merciere	MERCI	Provence-Cote d'Azur	44.1777N	7.1846E	2348	From 2022-10-21
COLO	COLO	Bolivia	19.0002S	62.0049W	396	From 1995-07-29 to 1995-08-08
Cologne	CLG	Nordrhein-Westfalen,Germany	50.9283N	6.9350E	0	
Colombo	COC	Sri Lanka	6.9000N	79.8667E	7	
Colome	CO-	South Dakota,U.S.A.	43.2867N	99.6703W	640	From 1962-07-06 to 1962-07-11
Colome	CO-SD	South Dakota,U.S.A.	43.2867N	99.6703W	640	From 1962-07-06 to 1962-07-11
Colon	ECO	Panama	9.3638N	79.6937W	468	From 1990-10-17
Colon	ECO2	Panama	9.3218N	79.6837W	450	
Colon	COLN	O'Higgins,Chile	34.0667S	70.4567W	2160	
Colonesti	CLI	Romania	46.5500N	27.2833E	502	
Colonia	COLC	Costa Rica	10.6652N	85.2037W	445	From 2000-01-01
Colonia del Valle	CVM	Mexico D.F.,Mexico	19.3821N	99.1785W		
Colonia Sabana	CSB	Puerto Rico	18.2897N	66.1567W	470	From 1975-07-30
Colony High School	CHSA	Alaska,U.S.A.	61.6080N	149.2120W	112	
Colorado	COCR	Costa Rica	10.5527N	83.6708W	10	
Colorado Mnmt	CMCO	Colorado,U.S.A.	39.1026N	108.7380W	1756	
Coloredo	COLI	Italy	46.1333N	13.3783E	250	From 1977-05-06
Col San Antonio	HUMP	Puerto Rico	18.1421N	65.8498W	79	
Colson Canyon	BCC	California,U.S.A.	34.9397N	120.1720W	610	From 1969-11-24 to 2005-08-08
Colson Canyon	SCCM	California,U.S.A.	34.9413N	120.1720W	610	
Colter Canyon	COLW	Wyoming,U.S.A.	43.9623N	110.6960W	2079	From 1986-01-01
Colton High School	COLT	Oregon,U.S.A.	45.1703N	122.4369W	213	
Coltrane Farms	V57A	North Carolina,U.S.A.	35.8875N	79.7758W	223	From 2013-03-13
Columbia	COTN	Tennessee,U.S.A.	35.7842N	86.9707W	320	
Columbia	CSC	South Carolina,U.S.A.	34.0000N	81.0333W	94	From 1931-01-01 to 1973-09-30
Columbia College	CMB	California,U.S.A.	38.0346N	120.3865W	697	From 1986-11-06
Columbiana	Z49A	Alabama,U.S.A.	33.1942N	86.5311W	134	From 2011-12-19 to 2013-08-06
Columbo, Santorini Isl.	CMBO	Greece	36.4709N	25.4056E	108	From 2011-02-02
Columbus	CUN	Nebraska,U.S.A.	41.4789N	97.3800W	467	
Columbus	DELM	Kentucky,U.S.A.	36.8010N	89.1460W	90	From 1990-05-24 to 1992-02-05
Columbus	COLR	Nevada,U.S.A.	38.1447N	118.0542W	1835	
Columbus	J42A	Wisconsin,U.S.A.	43.3179N	89.1234W	313	From 2011-10-15 to 2013-06-11
Columbus Grove	N49A	Ohio,U.S.A.	40.9220N	84.1825W	225	From 2012-09-03
Colusa Avenue, El Cerrito	C011	California,U.S.A.	37.9064N	122.2924W	30	From 2009-05-18
Col Varnada, Mel (BL)	VARN	Italy	45.9933N	12.1047E	870	From 2006-11-16
Colville	CLW	Washington,U.S.A.	48.5933N	117.8820W	585	From 1975-06-01 to 1976-11-30
Colville Lake	CLVN	Northwest Territories,Canada	67.0390N	126.0779W	263	From 2010-07-18
Colville Reservation, Omak	B08A	Washington,U.S.A.	48.3584N	119.3332W	696	From 2006-11-07 to 2008-11-12
Comala	COMA	Colima	19.3253N	103.7608W	612	
Comanche National Grassland Park, Kim	T26A	Colorado,U.S.A.	37.1747N	103.5933W	1830	From 2009-01-10 to 2010-11-07
Comarca El Reventon, F3	TUF3	Nicaragua	12.0637N	86.4194W	249	
Combarbala	CMCH	Coquimbo,Chile	31.1735S	71.0013W	906	
Combarbal	CO02	Coquimbo	31.2037S	71.0002W	1190	From 2013-06-07
Combe Brimond	CBBF	Provence-Cote d'Azur,France	44.5965N	6.8535E	1980	From 1989-11-06
Combe Farm	DCO	England,United Kingdom	50.3200N	3.8724W	410	From 1982-01-01
Combovin	OG16	Rhone-Alpes,France	44.8500N	5.0975E	775	From 1990-04-05
Comb Ridge	CRTN	Tennessee,U.S.A.	36.1998N	83.8407W	488	
Comino Bore Hole 9	CBH9	Malta	36.0140N	14.3314E	27	From 2017-10-18
Comisariato del Ejercito Sur - Quito	COSF	Ecuador	0.2364S	78.5256W	2854	
Comision Nacional del Agua 27	CNA27	Baja California	32.5053N	114.8490W	31	From 2012-01-01
Comitan	CCIG	Chiapas,Mexico	16.2820N	92.1370W	1500	
Comitan	COM	Chiapas,Mexico	16.2533N	92.1281W	1528	
Comitan 2	COM2	Chiapas,Mexico	16.2417N	92.1372W		
Comit de Emergencia de Berln	COEB	El Salvador	13.4980N	88.5304W	1018	
Comlosu Mare	RO24A	Romania	45.8832N	20.6203E	800	From 2023-03-25
Commelle	OG08	Rhone-Alpes,France	45.4482N	5.2397E	550	From 1989-02-13
Commelle, 38121, Isere, Rhone-Alpes	A215A	France	45.4307N	5.2323E	450	From 2015-12-07 to 2016-01-22
Complesso Universitario Monte Sant'Angelo	NAPI	Italy	40.8400N	14.1800E	120	
Compton	COOC	California,U.S.A.	33.8960N	118.2164W	-31	
COMUNANZA	CMNZ	Italy	42.9508N	13.4079E	507	From 2018-08-09
CON	CCON	Costa Rica	9.5853N	84.0533W	1350	From 2002-10-01 to 2003-03-15
Concepcion	CONC	Concepcion,Chile	36.8295S	73.0353W	60	
Concepcion	CON	Concepcion,Chile	36.8281S	73.0450W	15	
Concepcion	CONN	Nicaragua	11.5642N	85.6257W	250	
Concepcin	U14B	Concepcion,Chile	36.8579S	73.0798W	27	
Concesio	CNCS	Italy	45.6060N	10.2170E	126	From 2006-05-03
Concha del hosiptal Solca	SOCA	Ecuador	0.1364S	78.4677W	2887	From 2016-11-21
Conchagua	CNCH	El Salvador	13.2763N	87.8337W	1056	
Con Chiusa Politi	EPOL	Sicily,Italy	37.8625N	14.9915E	830	From 1994-10-01
Con Con	CCCH	Valparaiso,Chile	32.9228S	71.5158W	45	
Concord--Diablo Valley College	CNC	California,U.S.A.	37.9667N	122.0720W	36	From 1960-09-12 to 1966-12-06
Concordia	CNK	Kansas,U.S.A.	39.5080N	97.7130W	465	From 1978-04-18 to 2001-07-15
Concordia	ITAB	Brazil	27.2349S	52.1313W	150	
Concordia, Antarctica	CCD	East Antarctica	75.1065S	123.3050E	3240	From 2007-01-01
Concord Point, Cleveland Volcano	CLCO	Alaska,U.S.A.	52.7866N	169.7229W	137	From 2014-08-09
Concrete	CE-WA	Washington,U.S.A.	48.5225N	121.6872W	274	From 1962-10-15 to 1962-10-27
Concrete	CE-	Washington,U.S.A.	48.5225N	121.6872W	274	From 1962-10-15 to 1962-10-27
Con Cuong	CCVB	Vietnam	19.0485N	104.8768E	30	From 2008-01-01
Conde	G31A	South Dakota,U.S.A.	45.2254N	98.2083W	393	From 2010-09-02 to 2012-06-27
Condofuri	CNDF	Italy	38.0032N	15.8572E	357	From 2013-06-15
Condor	PP03	Peru	13.5412S	75.5242W	1400	
Cone Mtn., Paradox Valley	PV21	Colorado,U.S.A.	38.5612N	108.9749W	2235	
Cone Peak	CPK	Hawaii,U.S.A.	19.3950N	155.3280W	1038	From 1967-11-01
Confresa	CFSA	Mato Grosso	10.1729S	51.2048W	286	From 2015-06-28
Congeang, Jawa Barat	CSJM	Indonesia	6.7405S	108.0099E	361	From 2019-01-01
Congro	PCNG	Azores,Portugal	37.7670N	25.3960W	578	From 2003-01-01
Conil	CNIL	Spain	36.3700N	6.0545W	63	
Connealy Angus Ranch, Whitman	L28A	Nebraska,U.S.A.	42.0073N	101.5196W	1155	From 2009-06-05 to 2011-04-09
Connel	CNL	Washington,U.S.A.	46.6530N	118.9170W	293	From 1970-06-01 to 1975-02-28
Connelly Farm, Tescott	Q33A	Kansas,U.S.A.	38.9982N	97.8327W	422	From 2009-10-27 to 2011-08-24
Conner	APYP	Luzon,Philippines	17.8620N	121.2430E	50	
Conniff Cattle Co., Rinco	122A	New Mexico,U.S.A.	32.6995N	107.0005W	1333	From 2008-02-01 to 2009-12-09
Co Noi	MUVB	Vietnam	21.3432N	104.1085E	485	
Cono NE Rev Volc	CONE	Ecuador	0.0699S	77.6425W	2685	From 2003-03-08
Conover	COWI	Wisconsin,U.S.A.	46.1003N	89.1369W	523	
Conrad Observatory	CSNA	Austria	47.9282N	15.8588E	1039	From 2006-12-13
Conrad Observatory	CONA	Austria	47.9282N	15.8618E	1046	
Constanta	CTISU	Romania	44.1840N	28.6491E	74	From 2012-10-31
CONSTANTA	CCF	Romania	44.1434N	28.6730E	35	From 2007-08-16
Constanta Port	TSCT	Romania	44.1608N	28.6572E	68	From 2013-05-10
Constantine	CNS	Algeria	36.3700N	6.6125E	670	
Constantine	CCO1	England,United Kingdom	50.1357N	5.1957W	168	From 1981-01-01
Constitucion	CONS	Maule,Chile	35.3229S	72.4131W	110	
Constitucion	CTCH	Maule,Chile	35.3308S	72.4119W	10	From 2004-09-08
Contact Creek	CNTC	Alaska,U.S.A.	58.2645N	155.8837W	1158	From 1996-08-01
Contact Creek Katmai	Q17K	Alaska,U.S.A.	58.2637N	155.8865W	1165	From 2016-06-05
Contao	CNTO	Chile	41.8022S	72.7182W	10	From 2008-05-06
Conthey, Agroscope, VS	CON01	Switzerland	46.2117N	7.3035E	482	From 2018-07-16
Contigliano	LCNT	Italy	42.4114N	12.7680E	431	From 2007-04-04
Contrada Cassone	ECCS	Sicily,Italy	37.7105N	15.0643E	1500	From 1994-10-01
Contrada Murge, Colobraro (MT)	MOC1	Italy	40.1993N	16.3684E	452	From 2021-06-24 to 2022-06-04
Contrada Santa Lucia, Senise (PZ)	MOC4	Italy	40.1641N	16.2836E	438	From 2021-06-24 to 2022-06-14
Contwyoto Lake 2	COWN	Northwest Territories,Canada	65.2679N	111.1860W	513	
Convento San Francisco - Quito	SANF	Ecuador	0.2193S	78.5159W	2882	
Convict Lake	MCVM	California,U.S.A.	37.5900N	118.8291W	2542	
Convict Lake	MCMM	California,U.S.A.	37.6094N	118.8736W	2219	
Conway	CW-AR	Arkansas,U.S.A.	35.1356N	91.9778W	152	From 1962-05-09 to 1962-06-09
Conway	CW-	Arkansas,U.S.A.	35.1356N	91.9778W	152	From 1962-05-09 to 1962-06-09
COOCHBEHAR	COBR	West Bengal	26.2940N	89.4610E	39	From 2018-03-13
Cook Canyon	CKC	California,U.S.A.	34.1363N	117.1750W	550	
Cookes Peak, Deming	121A	New Mexico,U.S.A.	32.5324N	107.7851W	1652	From 2008-02-12
Cook Lake	COKN	Northwest Territories,Canada	63.2702N	108.7623W	357	From 2008-07-10
Cook Peak	WCOM	California,U.S.A.	35.6225N	118.4380W	1609	
Cook Ranch	COK	California,U.S.A.	32.8492N	115.7270W	-15	From 1973-04-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cook Ranch 2	COK2	California	32.8505N	115.7284W	-14	From 2013-02-13
Cooks Store, Concordia	Q38A	Missouri,U.S.A.	38.9609N	93.6182W	228	From 2010-12-03 to 2012-10-20
Coolgardie	COOL	Western Australia,Australia	30.8838S	121.1450E	500	From 1988-08-01 to 2006-05-29
Coolgardie	COOLG	Western Australia	30.9605S	121.1751E	460	From 2021-12-14 to 2031-12-14
Coonabarabran	EPSO	New South Wales,Australia	31.2601S	149.2209E	563	From 2009-12-01
Cooney Tunnel	COO	New South Wales,Australia	30.5778S	151.8917E	653	From 1974-08-17 to 1999-08-25
Coon Peak	CPU	Utah,U.S.A.	40.6731N	112.1900W	2228	From 1974-11-01
Cooper Cave	CPCT	Tennessee,U.S.A.	35.4498N	84.5218W	275	
Cooper Hill	PQ0	Maine,U.S.A.	44.9863N	67.4674W	219	
Cooper Hollow Wildlife Area	CHWO	Ohio	38.9360N	82.5260W	231	From 2018-05-01 to 2500-06-01
Cooper Landing	O22K	Alaska,U.S.A.	60.4814N	149.7241W	140	From 2014-05-21
Cooper Mountain	CMTX	Texas,U.S.A.	33.0105N	100.8420W	811	
Coopers Lake	CKM	Montana,U.S.A.	47.0666N	112.9100W	1353	From 1974-08-02 to 1976-10-31
Cooperstown	K59A	New York,U.S.A.	42.7750N	74.8525W	570	From 2013-09-15
Coope Vega, San Carlos, Alajuela	COVE	Costa Rica	10.7195N	84.4019W	115	From 2010-06-03
Cooralya Station, Carnarvon	CVQOZ	Western Australia	24.4457S	114.0780E	37	From 2019-03-13
Copaceanca	COPA	Romania	44.1343N	25.2172E	114	From 2012-11-07
Copaltepe	COPN	Nicaragua	12.1800N	86.5917W	150	
Copenhagen	COP	Denmark	55.6853N	12.4325E	13	From 1962-01-01
Copete-Rev Volc	ECOPE	Ecuador	0.1061S	77.6206W	2350	From 2003-02-17 to 2003-09-01
Copeton	COPM	New South Wales,Australia	29.9178S	150.9347E	571	
Copiapo	CPP	Atacama,Chile	27.3542S	70.3511W	384	
Copiapo	GO03	Atacama,Chile	27.5937S	70.2347W	743	
Copiapo	CPCH	Atacama,Chile	27.3580S	70.3530W	371	
Copper Creek	COMT	Montana	47.0788N	112.6144W	1664	From 2018-08-23
Coppermine	CMC	Northwest Territories,Canada	67.8333N	115.0833W	31	From 1963-03-15 to 1969-12-06
Copper Mountain	CPM	California,U.S.A.	34.1540N	116.1970W	937	
Copperopolis	MCUM	California,U.S.A.	37.9732N	120.6195W	309	From 1972-04-19 to 2011-11-26
Copperopolis Broadband	MCUB	California,U.S.A.	37.9754N	120.6202W	408	
Copper Ridge	CPRT	Tennessee,U.S.A.	36.1567N	83.8807W	2188	From 2001-05-10
Coppito (AQ)	T0109	Italy	42.3600N	13.3382E	754	From 2009-04-08 to 2009-04-09
Copt Hall	PSDCH	Caribbean Sea	15.3133N	61.3581W	114	From 2019-06-01
Coquitlam Dam	COQB	British Columbia,Canada	49.3542N	122.7747W	161	
Corbin	CNV	Virginia,U.S.A.	38.2050N	77.3733W	70	From 1978-07-01
Corbin Fredericksburg Observatory	CBN	Virginia,U.S.A.	38.2046N	77.3732W	70	From 1971-01-01
Corcelles	OG35	Rhone-Alpes,France	46.0445N	5.5715E	900	From 2008-04-04
Corcoran	CCOR	California	36.0689N	119.5491W	56	From 2022-04-07
Corcovado	CHP2	Peru	4.6161S	80.8131W	200	From 1979-12-01
Corcovado	CRCV	Patagonia	43.1540S	72.8146W	1105	From 2010-01-01
Cord	V42A	Arkansas,U.S.A.	35.8060N	91.3900W	134	From 2011-05-13 to 2013-02-15
Cordillera,	CLLRA	Panama	8.7440N	82.6140W	1330	
Cordova	CVA	Alaska,U.S.A.	60.5465N	145.7490W	90	From 1971-08-31
Cordova	CDI	Alaska,U.S.A.	60.4967N	145.4933W	65	From 1964-04-02 to 1964-05-08
Cordova Ski Area	EYAK	Alaska,U.S.A.	60.5487N	145.7500W	133	From 2002-10-03
Cordoza Dairy	HCZM	California,U.S.A.	36.9090N	121.8000W	30	From 1975-11-13
Corfu	CRF	Washington,U.S.A.	46.8250N	119.3870W	189	From 1970-07-01
Corinaldo	COR1	Italy	43.6318N	13.0003E	237	From 2011-04-13
Corinaldo	CRN	Italy	43.6308N	12.9978E	271	
Corinaldo (AN)	AD04	Italy	43.6440N	13.0398E	227	From 2010-03-31
Cork	CORK	Ireland	51.8833N	8.4667W		From 1914-01-01 to 1942-12-31
Corleone	CORL	Sicily,Italy	37.8943N	13.3038E	660	From 2006-04-19
Corleto Perticara	COPE	Italy	40.3834N	16.0692E	800	
Corleto Perticara (PZ)	TN05	Italy	40.3596N	16.0748E	587	From 2015-04-28 to 2016-02-24
Corlu	CRLT	Turkey	41.1290N	27.7360E	230	From 2002-01-01
Corlu-Tekirdag	CRLU	Turkey	41.1428N	27.8215E	126	From 2022-12-15
Cormier-Plage, Cap-Haitien, Nord	NCORM	Haiti	19.7823N	72.2284W	51	From 2020-10-29
Corn Cob Canyon	HCOM	California,U.S.A.	36.8875N	121.7080W	134	From 1975-11-19
Corn Creek	U11A	Nevada,U.S.A.	36.4230N	115.3835W	867	From 2006-06-20 to 2008-10-13
Corn Creek, Alamo	T11A	Nevada,U.S.A.	37.2408N	115.2202W	1402	From 2007-02-11 to 2008-09-16
Cornell	CN-	Wisconsin,U.S.A.	45.1928N	91.1281W	320	From 1962-05-10 to 1962-06-28
Cornell	CN-WS	Wisconsin,U.S.A.	45.1928N	91.1281W	320	From 1962-05-10 to 1962-06-28
Cornellia Hill	CORN	Puerto Rico	18.1635N	67.1794W	8	
Corner Brook	CBK	Newfoundland,Canada	48.9197N	57.9697W	380	
Cornillo Vecchio	MZ51	Italy	42.6379N	13.2857E	903	From 2016-10-14 to 2016-11-26
Cornillo Vecchio	MZ13	Italy	42.6384N	13.2846E	904	From 2016-09-20 to 2016-10-14
Corning	P52A	Ohio,U.S.A.	39.6337N	82.1325W	293	From 2012-07-24
Cornuda	MCOR	Italy	45.8371N	11.9887E	394	From 2010-06-29
Cornuda	CRND	Italy	45.8349N	12.0786E	159	From 2011-11-04
Cornudas Mountain, Dell City	224A	Texas,U.S.A.	32.0760N	105.5226W	1487	From 2008-02-28 to 2010-01-16
Cornudas Mountains	MNTX	Texas,U.S.A.	31.6985N	105.3821W	404	From 2004-04-01
Coroa da Mata	PMAT	Azores,Portugal	37.8160N	25.4710W	240	From 2003-01-01
Coron	BUSP	Palawan,Philippines	12.0030N	120.1990E	66	
Coron - 49109 - Maine-et-Loire - France	CRNF	Pays de la Loire	47.1349N	0.6498W	139	From 2019-12-16
Corona	CRNC	California,U.S.A.	33.8757N	117.5611W	135	
Coronado	CORON	Costa Rica,Costa Rica	9.9730N	84.0028W	1427	
Corona Quarry	COQ	California,U.S.A.	33.8605N	117.5097W	205	From 1976-01-01
Coronation Park	CORO	Tasmania,Australia	41.4522S	147.1450E	30	From 1996-01-01
Coronel Fontana	CFAA	San Juan,Argentina	31.6048S	68.2375W	577	From 2004-12-22
Coronel Fontana	CFA	San Juan,Argentina	31.6048S	68.2375W	621	
Corozal	CORZ	Panama	8.9810N	79.5758W	6	
Corozal, CORO	CCORO	Costa Rica	9.9729N	85.1711W	50	From 1999-12-06 to 2000-06-18
Corral	LR04	Chile	39.8802S	73.4258W	93	From 2015-09-14
Corral Hollow	CSTL	California,U.S.A.	37.6392N	121.4980W	205	From 1981-02-18
Correggio	CODE	Italy	44.7980N	10.7150E	27	
Correggio Bag	ZAVE	Italy	44.7542N	10.7030E	33	
Correggio Fan	FANE	Italy	44.7670N	10.7362E	33	
Correggio Man	MAN1	Italy	44.7822N	10.7855E	29	
Correggio (RE)	T0815	Italy	44.8731N	11.7198E	1	From 2012-05-20 to 2012-09-18
Correggio--Silva	SILE	Italy	44.7550N	10.7970E	33	
Corrie	PCOU	Scotland,United Kingdom	55.9880N	4.1002W	267	From 1990-01-01 to 1991-01-01
Corrigin	CORI2	Western Australia	32.0857S	117.7549E	300	From 2017-07-17
Corrigin	CORI1	Western Australia	32.1421S	117.7457E	300	From 2017-07-12
CORSSA, Aigion	CORS	Greece	38.2562N	22.0748E	3	From 2020-09-25
CORTADERAS	NQ01	Neuquen	37.4906S	69.6415W	1261	From 2023-03-01
Corta Mao	NBCM	Bahia	13.0713S	39.5038W	370	From 2020-10-23
Corte	CORF	Corse,France	42.2980N	9.1530E	475	From 2005-06-22 to 2017-11-09
Cortez Mining, Crescent City	O10A	Nevada,U.S.A.	40.2917N	116.4999W	1470	From 2006-05-16 to 2008-08-15
Cortoghiana (CI)	SU05	Italia	39.2158N	8.4808E	127	From 2014-09-23 to 2015-09-01
Corum	CTKT	Turkey	40.6231N	34.7897E	1650	From 2002-03-01
Corum	CORM	Turkey	40.1785N	34.6302E	1292	From 2004-12-15
Corum-Alaca	COAL	Turkey	40.2548N	34.9860E	1154	From 2010-11-30
Corumbazu	ITU3	Goias	18.2200S	48.8700W	544	
orum-Kargı	KAGI	Turkey	41.1384N	34.4782E	448	From 2013-02-28
Corum_Osmancik	CTAK	Turkey	40.6478N	34.7914E	1775	From 2011-05-31
orum-Sungurlu-Tatlısu	SUNG	Turkey	40.1890N	34.2462E	772	From 2017-12-19
Corvallis	COR	Oregon,U.S.A.	44.5857N	123.3030W	121	From 1950-12-01
Cosenza	GERV	Italy	39.2958N	16.2309E	310	From 2018-04-26
Cosenza - Borehole near the Alaric Bridge	CS2FF	Italy	39.2933N	16.2584E	194	From 2022-01-01
Cosenza castello	CSC2	Italy	39.2863N	16.2578E	361	From 2013-06-24
Cosenza - Museo Brettii ed Enotri	CSMBE	Italy	39.2895N	16.2642E	251	From 2022-02-10
Cosenza - On the ground surface near the Alaric Bridge	CS2FS	Italy	39.2933N	16.2584E	237	From 2022-01-01
Cosenza Protezione Civile Regionale	CSPC	Italia	39.3103N	16.2337E	266	From 2023-12-11
Cosenza Scuola Elementare Plastina Pizzuti	CSSE	Italia	39.3023N	16.2494E	286	From 2023-12-11
Cosiguina	COS	Nicaragua	12.9580N	87.5752W	500	From 1975-01-01
Cosiguina Volcano	CSGN	Nicaragua	12.9763N	87.5588W	746	From 2012-01-01
Cosmesti PH	COSR	Romania	45.8553N	27.3119E	80	From 2018-03-26
Coso Basin North	CBHM	California,U.S.A.	35.9882N	117.7500W	890	From 1975-09-26
Coso Springs S	WCSM	California,U.S.A.	36.0263N	117.7670W	1143	From 1975-09-26
Coso Springs South	CSSM	California,U.S.A.	36.0263N	117.7670W	1143	From 1975-09-26
Cossito	MZ04	Italy	42.6739N	13.2938E	978	From 2016-09-19 to 2016-10-14
Cossito	MZ52	Italy	42.6738N	13.2938E	980	From 2016-11-02 to 2016-11-25
Costabrunella	DCOS	Italy	46.1312N	11.5848E	2035	From 2017-09-04
Costa De Nobili, Padulino	A284A	Italy	45.1371N	9.3837E	99	From 2015-09-20
Costa Raja	CRJA	Sicily,Italy	37.8016N	13.0043E	560	From 2000-07-01
Costarelle (FG) Italy	OT07	Italy	41.6213N	15.7194E	154	From 2013-04-15
Cotabato	CTB	Mindanao,Philippines	7.2000N	124.2000E	50	
Cotabato--PC Hill	CTBH	Mindanao,Philippines	7.2210N	124.2460E	50	
Cotacachi	COTA	Ecuador	0.3350N	78.3378W	4020	From 1988-07-22
Cotacachi (Casa del Agua)	ACOT	Ecuador	0.2949N	78.2745W	2482	From 2012-03-29

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cote-Nord, Quebec	CNOQ	Quebec	49.3020N	68.0746W	194	From 2022-04-04
Cotillion Park	DCA3	Alberta,Canada	56.1665N	119.6977W	284	
Cotoan	CTCR	Costa Rica	8.8962N	82.7593W	1620	From 1989-01-01
Cotopaxi	VCES	Ecuador	0.7999S	78.3944W	4044	
Cotopaxi 1	VC1	Ecuador	0.6420S	78.4030W	4103	From 1988-07-08
Cotopaxi Ecuador	ISUC	Ecuador	0.6428S	78.4970W	3701	From 2016-01-06
Cotopaxi, S02	SCR02	Colorado	38.3033N	105.4757W	2347	
Cotopaxi - Sureste	COSE	Ecuador	0.7083S	78.3821W	4161	From 2023-03-16
Cotopaxi Volc	COV1	Ecuador	0.6621S	78.3437W	4979	From 2001-12-15
Cotopaxi Volcano	BMOR	Ecuador	0.7308S	78.4588W	4337	From 2007-07-01
Cotopaxi Volcano	BTAM	Ecuador	0.6750S	78.3968W	4292	From 2007-07-01
Cotopaxi Volcano	BVC2	Ecuador	0.6575S	78.4118W	4408	From 2007-07-01
Cotopaxi Volcano	BNAS	Ecuador	0.6713S	78.4805W	3919	From 2007-07-01
Cotopaxi Volcano	BREF	Ecuador	0.6697S	78.4405W	4859	From 2007-07-01
Cotopaxi Volc (N)	PITA	Ecuador	0.5585S	78.4326W	3610	From 2001-12-03
Cotopaxi Vol south	MOV1	Ecuador	0.7132S	78.4405W	4782	From 2002-01-11
Cottage Court Castro Valley	C003	California,U.S.A.	37.7072N	122.0840W	74	From 2009-03-16
Cottage Hill, Dominica	MDCT	Dominica	15.6170N	61.4630W	77	From 2009-12-17
Cotton	D37A	Minnesota,U.S.A.	47.1581N	92.4262W	413	From 2010-08-29 to 2012-08-15
Cottongarden Point	CGPV	Virgin Islands	17.7635N	64.5842W	40	
Cotton Hill	PSDMB	Dominica	15.5850N	61.4570W	40	
Cottonwood	COTR	Nevada,U.S.A.	38.6417N	118.7718W	1890	
Cottonwood Avenue, Hayward	C055	California,U.S.A.	37.6574N	122.1104W	-15	From 2011-04-20
Cottonwood Creek, Lone Pine	CWC	California,U.S.A.	36.4399N	118.0802W	1595	From 1965-10-15
Cottonwood Mountains	CTW	California,U.S.A.	33.6773N	115.8721W	504	From 1977-08-24
Cottonwood Pass, N09	NCR09	Colorado	39.4896N	107.1107W	2300	
Cottonwood Point	CWPT	Missouri,U.S.A.	36.0091N	89.6264W	76	
CO. Tuti	BS10	Bolivia	17.4580S	65.8583W	4161	From 2011-11-09
Coughran	EF59	Texas	28.9501N	98.4191W	98	From 2018-11-08
Coulons	VTURT	Vanuatu	15.3281S	167.1665E	32	
County Road 4760 near Route FM1970, Timpson	ETX07	Texas,U.S.A.	31.8965N	94.4708W	107	
County Road 4772, Timpson	ETX01	Texas,U.S.A.	31.8747N	94.4278W	111	
Cournillens	SCOU	Switzerland	46.8540N	7.1037E	600	From 2008-04-16
Court-Saint-Etienne	BCES	Belgium	50.6061N	4.5767E	167	From 2010-07-13 to 2016-02-11
Covasna	COPR	Romania	45.8442N	26.1687E	601	From 2022-01-13
Covasna	CVO	Romania	45.8222N	26.1739E	635	From 1982-09-01
Covasna_Papauti	CVSR	Romania	45.7944N	26.1238E	550	From 2022-07-07
Cove	G09A	Oregon,U.S.A.	45.2781N	117.7802W	1027	From 2006-08-11 to 2008-07-17
Cove Fort	CFU	Utah,U.S.A.	38.6189N	112.5390W	2012	
Cove Ranch, Picabo	J13A	Idaho,U.S.A.	43.3979N	114.1742W	1552	From 2006-12-09 to 2009-06-02
Covington	CVTN	Tennessee,U.S.A.	35.5415N	89.6435W	101	
Covington	O49A	Ohio,U.S.A.	40.1880N	84.3353W	292	From 2012-06-21
Cowboy Ranch, Jiggs	O11A	Nevada,U.S.A.	40.1313N	115.6570W	1948	From 2006-05-17 to 2008-08-12
Cow Camps Rge	CCRT	Tennessee,U.S.A.	35.4660N	84.0540W	940	From 1983-11-06
Cow Castle Creek	COW	South Carolina,U.S.A.	33.3817N	80.6993W	60	From 1977-10-23
Cowichan Lake Research St	CLRS	British Columbia,Canada	48.8203N	124.1309W	174	From 2014-09-11
Cowlitz River	CWZ	Washington,U.S.A.	46.4910N	122.0120W	305	
Cow Mountain	GCWM	California,U.S.A.	39.1308N	123.0760W	1089	
Coxcomb Mountains 2	CO2	California,U.S.A.	33.8472N	115.3447W	276	
Coxim-MS Brazil	COXM	Mato Grosso,Brazil	18.5328S	54.8183W	324	From 2011-09-26
Coxquihui	CXUV	Veracruz	20.1735N	97.5900W	379	
Cox Ranch, Sanderson	528A	Texas,U.S.A.	30.1615N	102.7880W	1183	From 2008-03-18 to 2010-02-11
Coxs Mills	Q54A	West Virginia,U.S.A.	38.9836N	80.8338W	254	From 2013-01-28
COY	COYCI	Baja California	31.9167N	116.1300W	966	
Coyhaique	CYQE	Patagonia	45.5410S	72.0552W	503	From 2010-01-01
Coyhaique	COYC	Patagonia,Argentina	45.5723S	72.0813W	235	From 2004-12-20
Coyoacan	CNCY	Mexico D.F.	19.3147N	99.1753W	2298	
Coyoacan	COVM	Mexico D.F.	19.3510N	99.1562W	2200	
Coyolito	COYO	Costa Rica	10.3614N	85.6493W	67	From 1999-12-06 to 2000-06-18
Coyonosa	TPB16	Texas	31.1250N	103.2520W	848	From 2019-02-13
Coyote D'meter	CYD1	California,U.S.A.	37.5629N	122.0967W	-23	
Coyote Hills	CYH	California,U.S.A.	37.5590N	122.0940W	38	From 1966-12-15 to 1975-04-29
Coyote Hills	LT8	California,U.S.A.	37.5590N	122.0940W	38	From 1966-12-15 to 1975-04-29
Coyote Hills	CCYM	California,U.S.A.	37.5517N	122.0910W	67	From 1975-05-01
Coyote Hollow	CHOI	Idaho,U.S.A.	43.3125N	111.2130W	2103	From 1986-01-01
Coyote Mountain	COY	California,U.S.A.	33.3640N	116.3110W	232	From 1976-01-01 to 2008-06-11
Coyotepe	CYN	Nicaragua	11.9958N	86.0987W	345	From 2000-04-01
Coyote Point	JCPM	California,U.S.A.	37.5882N	122.3220W	14	
Cozia	COZ	Romania	45.3205N	24.3425E	1610	From 1982-09-01
CP-1	CPY	Nevada,U.S.A.	36.9319N	116.0559W	1304	From 1991-01-14 to 2002-10-10
CP-1	CPX	Nevada,U.S.A.	36.9300N	116.0550W	1285	From 1961-01-01 to 1991-01-14
CP-17	CPN	Nevada,U.S.A.	37.1438N	116.2710W	1759	From 1965-01-01 to 1970-12-31
CR12B	CR12B	Nicaragua	11.6946N	84.3671W	238	
CRAAG	ESS	Algeria	36.0000N	3.1000E	400	
Craco	CRAC	Italy	40.3650N	16.4350E	384	From 2006-02-22
Crafton Hills	CFT	California,U.S.A.	34.0352N	117.1110W	671	From 1975-01-01
Craig	CGC	Colorado,U.S.A.	40.5233N	107.5620W	1925	From 1970-01-01 to 1972-11-30
Craig	CRAG	Alaska,U.S.A.	55.4689N	133.1230W	57	From 2004-12-10
Craig Goch	HCG	Wales,United Kingdom	52.3225N	3.6567W	511	From 1980-11-01
Craigsville	CX-	West Virginia,U.S.A.	38.3231N	80.6403W	732	
Craigsville	CX-WV	West Virginia,U.S.A.	38.3231N	80.6403W	732	
CRAIOVA	CRAR	Romania	44.3250N	23.7999E	125	From 2004-06-28
CR and CF Franklin Farms, Melrose	X26A	New Mexico,U.S.A.	34.5508N	103.8103W	1393	From 2008-04-29 to 2010-03-19
Crane	KR-OR	Oregon,U.S.A.	43.4175N	118.5122W	1402	
Crane	KR-	Oregon,U.S.A.	43.4175N	118.5122W	1402	
Crastes	CRAS	Midi-Pyrenees	43.7210N	0.7292E	205	From 2015-07-13
Crater	A10	Costa Rica	10.4611N	84.7156W	830	
Crater Central, Volcan Turrialba, Cartago	VTUN	Costa Rica	10.0226N	83.7635W	3239	From 2010-01-01
Cratere Ovest, Vesuvio (NA), Italy	CRTO	Italy	40.8212N	14.4223E	1121	From 2006-09-01
Crater GGP	CGGP	Ecuador	0.1765S	78.6058W	4400	From 1993-03-13
Crateri Nord Est	ECNE	Sicily,Italy	37.7653N	15.0019E	2957	From 2009-09-23
Crater Lake	VCLM	Oregon,U.S.A.	42.8785N	122.1200W	2048	
Crater Peak	CRP	Alaska,U.S.A.	61.2670N	152.1550W	1622	From 1981-08-26
Crater Peak Alternate	CPAM	Alaska,U.S.A.	61.2548N	152.1420W	1192	From 1992-10-29
Crater Peak Broadband	SPCP	Alaska,U.S.A.	61.2661N	152.1529W	1616	
Crater Peak Rim	CPKM	Alaska,U.S.A.	61.2633N	152.2330W	2017	From 1991-10-01
Crater Peak Two	CP2	Alaska,U.S.A.	61.2642N	152.2420W	1981	From 1992-10-26
Crater poas	CRPO	Costa Rica	10.1953N	84.2261W	2471	From 2011-10-01
Craters of Moon	COMI	Idaho,U.S.A.	43.4618N	113.5940W	1890	From 1992-01-01
Crater Summit	SSV	St Vincent,Saint Vincent and the Grenadines	13.3270N	61.1930W	824	From 1979-01-16
Crater, Volcan Turrialba, Cartago	VTUC	Costa Rica	10.0240N	83.7620W	3191	From 1984-04-01
Crater Von Franzius, Volcan Poas	POA5	Costa Rica	10.2044N	84.2297W	2425	From 1984-04-01
Crawford Street Concord	C035	California,U.S.A.	37.9698N	122.0269W	23	From 2010-04-08
Crawfordville	553A	Florida,U.S.A.	30.1890N	84.4317W	16	From 2012-02-07
Crawley 1	CRAW1	Western Australia	31.9982S	115.8175E	1	From 2021-07-05
Crawley2	CRAW2	Western Australia	31.9818S	115.8175E	-48	From 2021-07-05
Crazy Canyon	PCCM	California,U.S.A.	36.0898N	121.1636W	372	
Crazy Man Mountain	CZM	Washington,U.S.A.	46.4353N	122.5060W	620	From 1980-04-01
Creal Springs	CSIL	Illinois,U.S.A.	37.6319N	88.7900W	168	
Creekview Farms, Bingham Lake	I35A	Minnesota,U.S.A.	43.8565N	94.9829W	428	From 2010-07-28 to 2012-05-22
Creighton Mine,Sudbury	SSNO	Ontario,Canada	46.4715N	81.1870W	277	From 2006-11-09
Creighton Mine,Sudbury	DSNO	Ontario,Canada	46.4715N	81.1870W	-1723	From 2006-11-09
Cremenari	RO05A	Romania	44.9801N	24.3136E	292	From 2022-06-06
Crenshaw	X44A	Mississippi,U.S.A.	34.4998N	90.1462W	109	From 2011-05-10 to 2013-02-08
Crescent City	M01C	California,U.S.A.	41.8473N	124.1221W	38	From 2006-05-19 to 2007-11-16
Crescent Cliff	LCFM	California,U.S.A.	40.4863N	121.5240W	840	From 1976-11-12
Cresnjevec Ostr	CRES	Slovenia	45.8260N	15.4569E	431	
Crested Butte, Gunnison	Q22A	Colorado,U.S.A.	38.8627N	106.9096W	2727	From 2007-12-18 to 2010-02-07
Crestline	CSL	California,U.S.A.	34.2497N	117.2780W	1490	
Crestview	450A	Florida,U.S.A.	30.8038N	86.5863W	77	From 2012-01-19
Crete	CR-NB	Nebraska,U.S.A.	40.6644N	96.8542W	442	From 1965-10-26 to 1966-10-14
Crete	CR2NB	Nebraska,U.S.A.	40.6367N	96.8483W	418	
Crete	CR-	Nebraska,U.S.A.	40.6644N	96.8542W	442	From 1965-10-26 to 1966-10-14
Crete	CTN	Nebraska,U.S.A.	40.6222N	96.9483W	432	
crte de Spivol - 06156, Venanson - Alpes-Maritimes - Provence-Alpes-Cote d'Azur,France	PR5	Provence-Alpes-Cote d'Azur	44.0559N	7.2366E	1357	From 2014-07-17
Creve Coeur	CCMO	Missouri,U.S.A.	38.7200N	90.4670W	152	
Crevison Peak	HCPM	California,U.S.A.	37.1945N	121.1850W	513	From 1979-11-15 to 1988-02-15
Cripan	ECRI	Spain	42.6089N	2.5100W	807	From 1986-10-01
Cripple Cowboy Ranch, Baxter Pass	P19A	Colorado,U.S.A.	39.6333N	108.9812W	2099	From 2007-08-21 to 2010-02-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cripps Ranch, Grass Range	D19A	Montana,U.S.A.	47.1646N	108.8800W	1047	From 2008-08-29 to 2010-06-05
CRISS	CRISS	Bolivia	19.3747S	65.9295W	3566	From 1994-05-30 to 1995-01-07
Crissiumal (Brazil)	CRSM	Rio Grande do Sul	27.4937S	54.0433W	304	From 2016-05-17
Cristalandia	CRIB	Tocantins,Brazil	10.5280S	49.0330W	305	
Cristobal, Colon	SPIL	Panama	9.2625N	79.9300W	41	From 2010-01-01
Criterion Ridge	CROR	Oregon,U.S.A.	44.9828N	120.9880W	1015	From 1987-08-01
Criteuil-la-Magdeleine - 16116 - Charente - France	CLMF	Poitou-Charentes	45.5226N	0.1957W	26	From 2019-11-18
Crittenden County--Downhole	CRID	Arkansas,U.S.A.	35.3020N	90.3330W	36	From 1982-03-16
Crittenden County--Surface	CRIS	Arkansas,U.S.A.	35.3020N	90.3330W	64	From 1981-12-16
Crivoux	CREF	Provence-Cote d'Azur,France	44.5495N	6.6228E	1680	From 1993-05-12
Crixs, GO	CRI1	Goias	14.6120S	49.9827W	410	From 2017-09-21
Crni Vrh	CRNS	Slovenia	46.0807N	14.2613E	689	
Crocker Grade	CRGC	California,U.S.A.	35.2422N	119.7249W	1169	From 1976-06-01
Crocket Farms Inc., Mclean	W30A	Texas,U.S.A.	35.1818N	100.5770W	870	From 2009-03-25 to 2011-02-15
Crockett	338A	Texas,U.S.A.	31.3567N	95.3106W	137	From 2010-02-18 to 2011-12-12
Crockett Middle School (Pecos)	PCOS	Texas	31.4090N	103.5102W	692	From 2019-03-27 to 2599-12-31
CROEC-Ceiba	CCPR	Puerto Rico	18.2178N	65.6498W	7	From 2020-12-01
CROEV Villalba PR	CVPR	Puerto Rico	18.1213N	66.4979W	152	From 2019-10-10
Croghan	DCN	Ireland	53.3439N	7.2767W	150	From 1976-11-01
Croghan	CROG	New York,U.S.A.	43.9050N	75.4125W	244	From 1977-07-27 to 1986-09-30
Crognaleto (TE)	T1246	Italy	42.5833N	13.4930E	1133	From 2016-08-28 to 2017-09-21
Cromwell	M47A	Indiana,U.S.A.	41.3594N	85.6214W	283	From 2012-09-05
Crook	LCK	England,United Kingdom	54.3595N	2.8715W	200	From 1989-01-01 to 1992-10-13
Crookston	C32A	Minnesota,U.S.A.	47.8255N	96.5281W	286	From 2010-10-23 to 2012-06-25
Crookwell	CKWL	New South Wales,Australia	34.4523S	149.4658E	910	From 2011-02-21
Cross D Ranch, Liberty	539A	Texas,U.S.A.	30.1084N	94.7236W	15	From 2010-04-13 to 2011-11-10
Cross Fire Station	CFS	South Carolina,U.S.A.	33.2787N	80.1693W	26	From 1988-05-30
Cross River	CRNY	New York,U.S.A.	41.3118N	73.5482W	293	From 1981-12-01
Crosstimbers Borehole	TUL0	Oklahoma,U.S.A.	35.9126N	95.7903W	-571	
Crossville	CS-TN	Tennessee,U.S.A.	35.8153N	85.1594W	579	From 1963-01-01 to 1963-03-21
Crossville	CS-	Tennessee,U.S.A.	35.8153N	85.1594W	579	From 1963-01-01 to 1963-03-21
Crotone	GIZE	Italy	39.1681N	17.0973E	40	From 2011-12-01
Crotone	SEME	Italy	39.0573N	17.0754E	44	From 2019-10-23
Crouy-sur-Cosson - 41071 - Loir-et-Cher - Centre-Val de Loire - France	CSCE	France	47.6438N	1.6148E	61	From 2023-02-17
Crow Canyon Rd	CCNM	California,U.S.A.	37.7915N	121.9480W	219	From 1976-02-05
Crow Canyon Road	CYC	California,U.S.A.	37.7915N	121.9480W	219	From 1976-02-05
Crowheart	J19A	Wyoming,U.S.A.	43.2649N	109.0531W	1782	From 2008-08-08 to 2010-09-12
Crowley Lake	CLKR	California,U.S.A.	37.5907N	118.8240W	2576	From 1979-11-01 to 2012-05-17
Crown Mine	CMN	Nevada,U.S.A.	40.8160N	117.5280W	1792	From 1964-01-01 to 1999-08-25
Crown Mines	CRWM	Transvaal,South Africa	26.2370S	28.0150E	1704	From 2010-02-10
Crown Point	CPI	Idaho,U.S.A.	43.8667N	116.3000W		
Crows Nest Canyon	CNCI	Idaho,U.S.A.	43.9290N	113.4530W	1914	From 1992-01-01
Crozet Islands	CRZF	Crozet Islands,France	46.4296S	51.8612E	140	From 1986-04-01
CROZET ISLANDS HYDROACOUSTIC SITE N1	H04N1	Crozet Islands,France	46.1608S	51.7792E	-1800	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE N2	H04N2	Crozet Islands,France	46.1644S	51.8025E	-1800	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE N3	H04N3	Crozet Islands,France	46.1772S	51.7832E	-1680	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE S1	H04S1	Crozet Islands,France	46.8409S	51.9130E	-1459	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE S2	H04S2	Crozet Islands,France	46.8536S	51.8935E	-1580	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE S3	H04S3	Crozet Islands,France	46.8354S	51.8870E	-1531	From 2003-10-02 to 2006-02-28
Crutchfield	CRU	Kentucky,U.S.A.	36.5950N	89.0200W	127	From 1974-07-12
CRUZ	CRUZ	Bolivia	19.1034S	66.2212W	4267	From 1994-05-30 to 1995-08-08
Cruzeiro do Sul	CZSB	Acre,Brazil	7.7299S	72.7049W	196	From 2014-07-17
Cruz Grande	CRIG	Guerrero	16.7363N	99.1311W	121	From 2014-03-23
Cruz Verde, Cundinamarca	CVER	Colombia	4.5213N	74.0737W	3608	From 2010-05-06
Crystal Lake	CLY	New York,U.S.A.	43.8513N	74.4490W	579	From 1971-09-01 to 1982-12-31
Crystal Lake, Glendora	XTL	California,U.S.A.	34.2960N	117.8622W	1643	
Crystal Springs Elementary School	CSEN	Washington,U.S.A.	47.8000N	122.2100W		
CS01	CS01	Romania	47.0970N	26.9260E	238	
CS02	CS02	Romania	46.9450N	26.5060E	341	
CS03	CS03	Romania	46.8050N	25.9090E	684	
CS04	CS04	Romania	46.6570N	26.0210E	1089	
CS05	CS05	Romania	46.3960N	25.8340E	673	
CS06	CS06	Romania	46.2260N	26.0980E	716	
CS07	CS07	Romania	46.0900N	25.6920E	553	
CS08	CS08	Romania	45.8450N	25.1900E	464	
Csakvar	PKSC	Hungary	47.3806N	18.4371E	200	
Csaszartoltes	PKB3	Hungary	46.4238N	19.1949E	-40	From 2016-03-01
CSIRO Animal Health Laboratory	GEAM	Victoria,Australia	38.1530S	144.3890E	100	
CSNet OBS 1	OSC1	Cyprus	33.5000N	31.2768E	-2361	From 2014-01-01
CSNet OBS 4	OSC2	Cyprus	33.0749N	32.2669E	-1560	From 2014-01-01
Cskako	CSKK	Hungary	47.3631N	18.2605E	320	From 2009-05-08
Ctre Commune Adrej	M018	Morocco	33.6228N	4.4485W	1090	
Ctre Commune Tamorot	M006	Morocco	34.9383N	4.7752W	1048	
CTS	CCTS	Costa Rica	9.5060N	84.1033W	66	From 2002-10-01 to 2003-03-15
Cuajimalpa	CJVM	Mexico D.F.	19.3615N	99.2850W	2204	
Cuauhtemoc	CTVM	Mexico D.F.	19.4430N	99.1657W	2230	
Cucapa	QKP	Mexico	32.3050N	115.3320W	53	
Cuckoo	IP01	Virginia,U.S.A.	37.9572N	77.9112W	109	
Cucuta, Santo Domingo	CCUC3	Colombia	7.8730N	72.5070W	443	From 2005-10-20
Cuddapah	CUD	India	14.4759N	78.7661E	137	
Cudjo Caverns	CCVA	Virginia,U.S.A.	36.6030N	83.6670W	571	From 1982-10-06
Cuero	EF67	Texas	29.1298N	97.3682W	54	From 2018-12-20
Cuervo	CUEV	Patagonia	45.1692S	73.0957W	1280	From 2017-10-01
Cuesta del Viento	ACDV	San Juan,Argentina	30.1708S	69.1197W	1572	
Cueva Verdes	CDLV	Canary Islands,Spain	29.1631N	13.4439W	37	
Cufio, Nario	CCUFI	Colombia	1.2270N	77.3460W	3813	From 2011-07-21
Cuglieri	CUG	Sardinia,Italy	40.1869N	8.5698E	445	
Cuicocha-Domo	CUIC	Ecuador	0.3040N	78.3611W	3165	From 2010-09-30
Cuicocha Este	CUSE	Ecuador	0.3053N	78.3991W	3354	From 2013-01-11
Cuicocha Oeste	CUSW	Ecuador	0.2862N	78.3508W	3027	From 2013-01-11
Cuida Lopez Mateos	AZVM	Mexico D.F.,Mexico	19.5848N	99.2830W	2409	From 2009-01-01
Cuilco, Huehuetenango	HUCU	Guatemala	15.4078N	91.9472W	1150	From 2021-09-15
Cuipilapa	CUI	Costa Rica,Costa Rica	10.6577N	85.1640W	560	
Cukurca	CUKT	Turkey	37.2474N	43.6076E	1298	From 2005-10-01
Culberson County	TPB09	Texas	31.7741N	104.3014W	1139	From 2019-05-22
Culebra	CUP	Puerto Rico	18.3350N	65.3090W	120	From 1975-07-01 to 1999-08-25
Culebra	CULB	Puerto Rico	18.3260N	65.3010W	161	
Culebra, Puerto Rico	CUPR	Puerto Rico	18.3074N	65.2825W	19	From 2011-06-01
Culiacan	CUL	Sinaloa,Mexico	24.8080N	107.3160W		
Culiacan, Sinaloa	CULRB	Mexico	24.8623N	107.3511W	79	From 2021-05-15
Cullowhee	W53A	North Carolina,U.S.A.	35.1696N	83.1630W	1180	From 2012-04-14
Cultus Mountains	CMW	Washington,U.S.A.	48.4237N	122.1190W	1190	
Culverden Airlie Farm	CULC	South Island,New Zealand	42.7594S	172.8026E	206	From 2005-11-15
Cumana	CUM	Venezuela	10.4650N	64.1700W	24	From 1969-08-01
Cumanacoa	COAV	Venezuela	10.1580N	63.8270W	1232	
Cumana_UDO	CUMV	Venezuela	10.4267N	64.1933W	36	
Cumbal	CMBC	Colombia	0.9408N	77.8250W	3420	From 1994-01-01
Cumbal	MEVZ	Colombia	0.9487N	77.8773W	3654	
Cumbaratza - Ecuador	ACBZ	Ecuador	3.9795S	78.8633W	921	From 2020-07-29
Cumberland Camp Nunavut	CMBN	Northwest Territories,Canada	65.6861N	64.4481W	289	From 2009-08-17
Cumberland Gap	CGTN	Tennessee,U.S.A.	36.5580N	83.7110W	704	From 1981-10-23 to 1982-04-03
Cumberland Gap	CG-	Virginia,U.S.A.	36.6264N	83.2600W	396	From 1962-06-01 to 1965-07-23
Cumberland Gap	CG-VA	Virginia,U.S.A.	36.6264N	83.2600W	396	From 1962-06-01 to 1965-07-23
Cumberland Plat.	CPO5	Tennessee,U.S.A.	35.6038N	85.5735W	570	
Cumberland Plateau	RSCP	Tennessee,U.S.A.	35.6000N	85.5689W	581	
Cumberland Plateau	CPOT	Tennessee,U.S.A.	35.6038N	85.5735W	570	
Cumberland Plateau	CPO	Tennessee,U.S.A.	35.5948N	85.5704W	574	From 1963-02-13 to 1999-08-25
Cumberland Plateau Observatory	CP-SO	Tennessee,U.S.A.	35.5947N	85.5706W	574	
Cumbre	CUMB	Ecuador	0.6700S	78.4300W	5820	
Cumbre, El Hierro	CCUM	Canary Islands,Spain	27.7459N	18.0301W	464	From 2011-07-01
Cummins Area School	AUCAS	South Australia,Australia	34.2600S	135.7200E	72	From 2013-08-11
Cumshewa	CWB	British Columbia,Canada	53.1581N	131.9970W	620	From 1985-09-01
Cunco	LC01	La Araucana	38.8975S	71.8761W	406	From 2014-01-14
Cunda Adasi Ayvalik Balikesir	CNDA	Turkey	39.3476N	26.6940E	23	From 2021-02-01
Cunda Adasi-Balikesir	CUND	Turkey	39.3361N	26.6685E	73	From 2011-04-02 to 2013-12-01
ngs	CNGT	Turkey,Turkey	38.2145N	39.2995E	1023	
Cupa	CUPA	Ecuador	0.3665N	79.5000W	113	From 1994-08-08
Cpira	CUPV	Venezuela	10.0570N	65.7880W	668	From 2002-10-23
Cupone	CUP2	Italy	39.3834N	16.5482E	1200	From 2013-12-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Curacav	MT02	Metropolitana	33.2591S	71.1377W	323	From 2014-03-04
Curaglia	CUNA	Switzerland	46.6711N	8.8467E	1400	From 2009-12-02
Curahdami, Jawa Timur	WRJI	Indonesia	7.8113S	113.7456E	517	From 2019-10-01
Curarigua	CURV	Venezuela	10.0130N	69.9610W	750	From 2002-06-20
Curarrehue	GO06	Neuquen,Argentina	39.5839S	71.4720W	1250	
Curley Farm, La Sal	R19A	Utah,U.S.A.	38.2916N	109.2607W	2035	From 2007-06-24 to 2009-03-06
Currant	CND	Nevada,U.S.A.	38.8320N	115.2900W	2292	From 1975-11-01
Currant	CU-NV	Nevada,U.S.A.	38.6772N	115.4550W	1646	From 1963-09-09 to 1964-03-09
Currant	CU-	Nevada,U.S.A.	38.6772N	115.4550W	1646	From 1963-09-09 to 1964-03-09
Currie	O12A	Nevada,U.S.A.	40.2679N	114.7454W	1743	From 2006-05-18 to 2008-09-03
Currie	LR05	Chile	40.2300S	72.0040W	203	From 2016-01-15
Curry Mountain	PCRM	California,U.S.A.	36.0938N	120.4350W	296	From 1975-09-04
Curtea de Arges	CAG1	Romania	45.1677N	24.6730E	443	From 2015-09-02
Curtis Ranch, S06	SCR06	Colorado	38.1096N	106.4819W	2603	
Curvelandia - Mato Grosso, Brazil	CUB	Mato Grosso	15.5656S	57.9889W	320	From 2020-01-01
CUSANO MUTRI	CUM07	Italia	41.3441N	14.4969E	511	From 2016-07-04
Cushendall	GCL	Northern Ireland,United Kingdom	55.0760N	6.1300W	275	From 1989-01-01
Cusmapa	CUS1	El Salvador	13.9125N	89.9463W	662	
Cusmapa	CUSS	El Salvador	13.9092N	89.9472W	678	
Cusp Creek	CCC	British Columbia,Canada	56.1233N	122.3000W		From 1967-12-01 to 1973-04-06
Cussignacco Udine	CUSI	Italy	46.0370N	13.2530E	90	
Cust School	CSTC	South Island,New Zealand	43.3123S	172.3813E	132	From 2004-11-25
Cusua	CUSU	Ecuador	1.4428S	78.4805W	2700	
Cutbertbay	CUBY	Andaman Islands,India	12.3597N	92.5724E	14	From 2012-01-01
Cutro	CUTR	Italy	39.0218N	17.0737E	170	From 2018-12-12
Cuyoaco	CUPM	Puebla,Mexico	19.6036N	97.6186W	2450	
Cuyo Island	CUYO	Palawan,Philippines	10.8500N	121.0180E	196	
Cuyotenango, Suchitepequez	SUCU	Guatemala	14.5600N	91.5570W	444	From 2021-03-11
Cuyupaya	BS05	Bolivia	17.0133S	66.9428W	3540	From 2011-11-08
Cuzco	CUS	Peru	13.5633S	71.8767W	3240	
Cuzco--Tambomachay	PR05	Peru	13.4780S	71.9590W	3858	
Cypress Bend	CBD	Missouri,U.S.A.	36.3170N	89.6510W	84	From 1985-06-21
CZ01	CZ01	Romania	44.8190N	26.0210E	156	
CZ03	CZ03	Romania	45.1890N	26.5790E	213	
CZ04	CZ04	Romania	44.8860N	26.5090E	97	
CZ05	CZ05	Romania	44.6770N	26.2530E	166	
CZ06	CZ06	Romania	44.7700N	26.9090E	93	
CZ07	CZ07	Romania	44.5410N	27.1330E	50	
CZ08	CZ08	Romania	44.7410N	27.2940E	66	
CZ10	CZ10	Romania	44.9860N	27.8010E	55	
CZA	CZA	Poland	53.2290N	17.0940E	169	
D01	D01	France	49.5850N	5.2670E	220	
D50	D50	France	49.4430N	6.3730E	240	
D51	D51	France	49.3120N	6.2810E	251	
D53	D53	France	49.0550N	5.9910E	332	
Dc	HU14A	Hungary	46.4475N	20.0790E	122	From 2022-10-04
Dabaa	DABA	Egypt	31.0098N	28.2814E	92	
Dabaa2	DABAA	Egypt	31.0470N	28.5039E	25	
Dabajuro	DABV	Venezuela	10.9220N	70.6360W	152	From 2002-04-17
Dabeiba	DBBC	Colombia	7.0175N	76.2097W	756	
Dabeiba, Colombia	DBCC	Colombia	8.7800N	76.2100W	756	From 2008-06-01
Dabo	DSRI	Peninsular Malaysia,Malaysia	0.4793S	104.5778E	58	From 2005-01-01
Dabrowa Gornicza	DGP	Poland	50.3292N	19.2142E	275	
Daday	BALT	Turkey	41.5342N	33.3858E	1746	From 1994-06-01
Daecheong-do Republic of korea	DACB	Republic of Korea	37.8317N	124.7068E	71	From 2010-11-17
daegu	DAGA	Republic of Korea	35.8789N	128.6528E	108	From 2019-03-18
Daegu	KSDAG	Republic of Korea	35.7685N	128.8970E	263	From 2001-12-05
Daegwallycong	KSDGY	Republic of Korea	37.6904N	128.6742E	791	From 2001-12-11
Daejeon	KSTEJ	Republic of Korea	36.3681N	127.3712E	68	
Dafare	DAF	Djibouti	11.6077N	42.5292E	270	From 1976-03-01
Dagmar	DGMT	Montana,U.S.A.	48.4702N	104.1959W	646	From 2004-07-15
Dahal	DHLJ	Jordan	30.8200N	35.4020E	-80	From 1990-02-23
Dahanechah	IDAH	Iran	32.7390N	59.8680E	2277	From 2005-12-01
Dahlonega	X52A	Georgia,U.S.A.	34.6032N	83.8938W	481	From 2012-04-06
Dajia District, Taichung City	WDJ	Taiwan region	24.3478N	120.6403E	107	From 2013-01-18
Dakar	DAK	Senegal	14.6667N	17.4333W	30	
Dake	DAKH	Aomori,Japan	40.6311N	140.2725E	525	
Dakhla	HDK1	Egypt	25.5432N	29.4028E	570	From 2001-02-10
Dalaguete, Cebu	DACP	Cebu	9.7700N	123.5240E	120	From 2016-09-15
Dalandzadgad	DZD	Mongolia	43.5700N	104.4100E	1485	
Lat	DLV	Vietnam	11.9433N	108.4867E	1575	
Lat	DLVO	Vietnam	11.9652N	108.4815E	1550	From 1982-01-01
Dalbeg	DLBQ	Queensland,Australia	20.1491S	147.2670E	116	From 1984-04-09
Dale	535A	Texas,U.S.A.	30.0290N	97.5711W	170	From 2009-12-16 to 2011-10-06
Dale-Ortello Valley, Anselmo	M30A	Nebraska,U.S.A.	41.5371N	99.8723W	853	From 2009-05-18 to 2011-04-10
Dalfsen	NE38	Netherlands	52.5038N	6.2592E	3	
Dalhousie	DLH	Himachal Pradesh,India	32.5417N	75.9667E	1960	
Dali	TQ01	Taiwan region	24.1671N	121.6249E	795	From 2017-05-21
Dali	DALI	Georgia	41.2393N	45.8580E	634	From 2021-09-24
Dalia	MDAL	Morocco	35.9000N	5.4810W	30	From 2000-06-10
Dalian	DL2	Liaoning,China	38.9061N	121.6280E	62	From 1983-08-01
Dallas	DAL	Texas,U.S.A.	32.8461N	96.7839W	187	From 1953-12-14
Dallas	J30A	South Dakota,U.S.A.	43.3248N	99.4922W	608	From 2009-09-17 to 2011-08-21
Dallas	DLS	Texas,U.S.A.	32.8778N	96.7056W	169	From 1971-02-20 to 1975-12-31
Dallas Executive Airport	FW01	Texas,U.S.A.	32.6840N	96.8783W	203	From 2016-10-20
Dallington	DALS	South Island,New Zealand	43.5120S	172.6732E	12	From 2012-01-09
Dall Lake	M13K	Alaska,U.S.A.	60.4135N	163.3500W	9	From 2017-05-23
Dalma,Buzau	DALR	Romania	45.3629N	26.5966E	719	From 2022-07-07
Dalmarnock	GGERF	Scotland	55.8410N	4.2220W	-183	From 2019-05-20
Dalny	DALK	Kamchatskaya Oblast',Russia	53.0311N	158.7536E	67	From 2009-06-28
Dalselv	N1R6	Norway	66.2610N	13.9700E	85	
Dalton	DLT	California,U.S.A.	34.1700N	117.8108W	478	From 1950-07-20 to 1959-08-29
Dalton	DALG	Georgia,U.S.A.	34.6088N	85.0137W	457	
Dalton Mountain	DMMT	Montana,U.S.A.	46.8623N	112.7150W	2039	From 1987-11-19 to 1990-07-10
Dalton (NSW)	DLN	New South Wales,Australia	34.7237S	149.1788E	544	From 1961-01-01
Dalton Road	CDAL	California,U.S.A.	37.7300N	121.7280W	190	From 1980-02-01
Dalyan (Mudla)	DALT	Turkey	36.7691N	28.6371E	548	From 2004-08-17 to 2009-04-08
Dalyan (Mula)	DALY	Turkey	36.8171N	28.6536E	3	From 2009-04-09
DAM1	DAMI1	Israel	31.2310N	35.4000E	-390	From 1986-09-01 to 1988-02-28
DAM2	DAMI2	Israel	31.1721N	35.4435E	-377	From 1986-08-01 to 1995-01-01
Daman	DMN	Nepal	27.6090N	85.1060E	2225	From 1980-03-27
Damascus University	DUSS	Syria	33.5110N	36.2880E	667	
Damasouli - Tyrnavos	TYR1	Greece	39.7147N	22.1684E	164	From 2021-03-05 to 2021-04-30
Damasthipur	DMPR	India	17.5060N	77.7100E	641	
Damavand	DAMV	Iran	35.6302N	51.9708E	2300	From 2004-01-19
Damavand	IDMV	Iran	35.5772N	52.0322E	2546	From 1996-01-01
Damoulianata-Kefalonia-Greece	DMLN	Greece	38.2385N	20.3734E	370	From 2014-09-01
Dampier	DAM	Western Australia,Australia	20.6667S	116.6670E		
Dampier Downs, Kimberley	KIM06	Western Australia	18.5061S	123.4588E	110	From 2021-08-03
Damshung	NING	Xizang Zizhiqu,China	30.3794N	90.9126E	4189	From 1998-08-05 to 1998-08-15
Damuels	DAVA	Austria	47.2867N	9.8803E	1602	
Dana Ranch, Cascade	D16A	Montana,U.S.A.	47.0308N	111.5492W	1427	From 2007-09-27 to 2009-07-14
Danbuk	DNBA	Republic of Korea	36.3906N	128.4284E	99	From 2018-03-09
Danby, Needles	DANC	California,U.S.A.	34.6375N	115.3812W	428	From 1998-09-22
Danda	WDT	Taiwan region	23.7560N	121.1330E	2550	
Dandelion	DAH	Hawaii,U.S.A.	19.3570N	155.6670W	3003	
Dane	DAN	Ontario,Canada	48.0667N	80.0167W		
Daneborg	DBG	Greenland	74.3071N	20.2193W	107	From 2010-08-11
Dangenstorf	GOR5	Germany	52.9228N	11.2217E	-265	From 2014-03-21
Dangsing	DANN	Nepal	28.3500N	83.7600E	2500	From 1994-04-01
Daniels Canyon	DAU	Utah,U.S.A.	40.4125N	111.2560W	2771	From 1974-11-01
Danmarks Havn	DAG	Greenland	76.7714N	18.6547W	30	From 1972-09-14
Dannemora	DANY	New York,U.S.A.	44.8357N	73.7572W	507	From 1977-09-16 to 1982-05-13
Dannevirke	DNN	North Island,New Zealand	40.2007S	176.1085E	217	From 1932-07-01 to 1936-12-31
Dannevirke	DVHZ	North Island,New Zealand	40.2988S	176.1666E	469	From 2008-01-14
Dannevirke High School	DVHS	North Island,New Zealand	40.2017S	176.1014E	224	From 2002-01-28
Dan Oppiter Farms, Dalhart	V27A	Texas,U.S.A.	35.7569N	102.8361W	1228	From 2009-04-14 to 2010-11-10
Danshui	NTST	Taiwan region	25.1644N	121.4492E	16	From 2008-10-15
Danta di Cadore ARPAV	DANT	Italy	46.5675N	12.5199E	1453	From 2015-06-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Danville	A09A	Washington,U.S.A.	48.9752N	118.5851W	931	From 2006-09-13 to 2008-05-17
Darabani	DRBR	Romania	48.2073N	26.6091E	269	From 2016-02-10
Daramalan College	AUDAR	Australian Capital Territory,Australia	35.2500S	149.1400E	575	From 2011-05-04
Daraweish	JDRJ	Jordan	30.7280N	35.6660E	1365	From 1990-04-26
Daraweish	JRDJ	Jordan	30.7280N	35.6660E	1365	From 1990-04-26
Darb Altahta	DRBT	Syria	36.8513N	39.8112E	596	From 2002-04-01
Darband	DAR1	Pakistan	34.3790N	72.8690E	671	From 2009-09-20
Darband	DBP	Pakistan	34.3760N	72.8710E	704	From 1973-08-23 to 2009-09-20
Darby	F13A	Montana,U.S.A.	45.7893N	114.3317W	1462	From 2006-10-18 to 2009-06-11
Dar Chioukh	ADCK	Algeria,Algeria	34.9114N	3.4480E	1200	
Dareh Seyedi	BDRS	Iran	33.9543N	48.8808E	2493	From 2013-09-10
Darel	DRL	Pakistan	35.7250N	73.6460E	2117	From 2007-09-01
Darende-Malatya	DARE	Turkey	38.5712N	37.4832E	1080	From 2007-07-31
Darfield	DFHS	South Island	43.4913S	172.1020E	210	
Dar Kharkhour	DKH	Morocco	35.4880N	5.3608W	1237	
Dark Hollow, Roseland	S57A	Virginia,U.S.A.	37.7605N	78.9536W	264	From 2013-03-28
Darkhovein	SCNT	Iran	30.7070N	48.3901E	1	From 2010-08-11
Dar Kodiat	DKD	Morocco	30.3600N	9.1460W	345	From 2001-06-02
Darlington East Ontario	DREO	Ontario,Canada	43.8724N	78.7040W	94	From 2007-06-22
Darlington West	DRWO	Ontario,Canada	43.8719N	78.7300W	59	From 2007-06-20
Darmstadt	WBB	Hessen,Germany	49.8434N	8.6626E	240	From 2003-01-10
Darmstadt	WBDA	Hessen	49.8747N	8.6583E	150	From 2016-08-26
Darouich	DRWC	Syria	36.6211N	36.6667E	920	From 1995-08-01
Darouneh	DARN	Iran	35.1769N	57.4198E	837	From 2013-03-21
Darpas	DARS	Armenia	40.8517N	44.4300E	1525	
Darrouzett	DRZT	Texas,U.S.A.	36.4440N	100.2969W	791	From 2017-08-09
Dar Sule	SULE	Ethiopia	12.7351N	41.1396E	85	
Dartmouth	DRT	Victoria,Australia	36.5833S	147.4920E	950	From 1975-12-01
Dartmouth Bedrock	DDBM	Victoria,Australia	36.5578S	147.5115E	329	
Dartmouth Crest	DDCM	Victoria,Australia	36.5609S	147.5241E	494	
Dartmouth Digital	DTMM	Victoria,Australia	36.5293S	147.4686E	436	
Daru	DNG	Papua New Guinea	9.0885S	143.2060E	3	
Darvaspuszta	DARVA	Hungary	46.3431N	17.1966E	160	From 2019-03-08 to 2019-06-20
Darwin	DAR	Northern Territory,Australia	12.4083S	130.8180E	6	
Darwin (Calif)	DAC	California,U.S.A.	36.2770N	117.5937W	1813	From 1960-06-01
Darwin High School	AUDHS	Northern Territories,Australia	12.4400S	130.8300E	26	From 2013-08-11
Darwin Parliament House	DPH	Northern Territory,Australia	12.4667S	130.8423E	45	From 2009-01-01
Darwin Rock Store	DRS	Northern Territory,Australia	12.4313S	130.8993E	44	From 2009-01-01
Dashabbas	IDSA	Iran	32.4828N	47.8416E	0	From 1998-01-01
Dashiqiu	XPSS	Taiwan region	26.9300N	120.1900E	0	From 2011-07-22
Dashkesen	DSKN	Azerbaijan	40.5530N	46.0185E	1764	From 2021-04-17
Dashti - Bushehr	DSBU	Iran	28.3625N	51.2602E	655	From 2016-12-03
Dasu	KMD1	Pakistan	35.2600N	73.2300E	902	From 2012-01-01
Datca	DAT	Turkey	36.7290N	27.5778E	1100	From 2005-10-08
Datca-Mugla	DATC	Turkey	36.7592N	27.6606E	89	From 2011-04-07
Datong	TTC	Shanxi,China	40.1350N	113.2370E	1175	
Datong	NNSH	Taiwan region	24.4284N	121.3829E	1106	From 2011-01-05
Datong	LATG	Taiwan region	24.5353N	121.5264E	1020	From 2013-05-22
Datong	NNSB	Taiwan region	24.4284N	121.3828E	1102	From 2006-03-23
Datong Township	NDT	Taiwan region	24.6025N	121.5128E	239	From 2013-01-18
Daumeray - 49119 - Maine-et-Loire - France	DAUF	Pays de la Loire	47.6603N	0.3526W	34	From 2021-03-23
Davao	DAP	Mindanao,Philippines	7.0667N	125.6000E	19	From 1972-01-01 to 1999-08-25
Davao City--Mintal	DMPH	Mindanao,Philippines	7.0830N	125.5080E	150	
Davao City (W)	DAV	Mindanao,Philippines	7.0700N	125.5790E	145	From 1964-08-24
Davao Weather Station	DWP	Mindanao,Philippines	7.1272N	125.6557E		
Davenport	DPW	Washington,U.S.A.	47.8706N	118.2030W	892	From 1986-11-01
Davenport	DVW	Washington,U.S.A.	47.6383N	118.2260W	717	From 1975-06-01
Davenport Ranch, Sheffield	429A	Texas,U.S.A.	30.6248N	101.8938W	804	From 2009-02-13 to 2010-12-11
David	DVD	Panama	8.4358N	82.4506W	20	From 1986-06-01
David	CCCH3	Panama	8.4318N	82.4358W	68	
David-gareji	DGRG	Georgia,Georgia	41.4507N	45.3732E	690	
David Mesa, Paradox Valley	PV11	Colorado,U.S.A.	38.2989N	108.8727W	1882	
Da Vinci Academy	DAIL	Illinois,U.S.A.	41.9776N	88.3414W	647	
Davis	J33A	South Dakota,U.S.A.	43.3185N	96.9667W	400	From 2010-07-27 to 2012-05-17
Davis Base, Antarctica	I03AU	Antarctica	68.5839S	78.0685E	64	From 2018-09-06
Davis Peak	DPD	California,U.S.A.	35.2330N	120.7817W	488	
Davis Ranch, Arriba	P26A	Colorado,U.S.A.	39.5602N	103.3465W	1566	From 2008-12-02 to 2010-10-14
Davis Street Fremont	C022	California,U.S.A.	37.5361N	121.9750W	10	From 2009-07-21 to 2012-07-25
Davos	DAVOS	Switzerland	46.8394N	9.7939E	2800	From 1974-09-10 to 2002-02-15
Davos	DAVON	Switzerland	46.8368N	9.7967E	2800	
Davos/Dischmatal	DAVOX	Switzerland	46.7805N	9.8795E	1830	From 2002-07-25
Davos, Kongresszentrum GR	SDAK	Switzerland	46.8005N	9.8320E	1547	From 2015-03-17
Dawn	P38A	Missouri,U.S.A.	39.6248N	93.5321W	248	From 2010-11-28 to 2012-09-14
Dawson	DAWY	Yukon Territory,Canada	64.0655N	139.3910W	808	From 1992-09-30
Dawson City	DWY	Yukon Territory,Canada	64.0533N	139.4320W	346	From 1984-09-17
Dawson Falls	DFE	North Island,New Zealand	39.3257S	174.1039E	880	From 1993-12-14 to 2010-02-23
Dawson Inlet	DAWS	British Columbia,Canada	53.2340N	132.4782W	211	
Dawson Inlet	DI2B	British Columbia,Canada	53.2022N	132.4767W	82	From 2018-07-22
Dawson Inlet, BC	DIB	British Columbia,Canada	53.2025N	132.4767W	68	From 2004-03-15
DAWSON INLET T-PHASE SITE S1	H02S1	British Columbia,Canada	53.2025N	132.4766W	66	From 2006-11-20
DAWSON INLET T-PHASE SITE S2	H02S2	British Columbia,Canada	53.2022N	132.4767W	82	From 2019-08-05
Dawu Township	TAWH	Taiwan region	22.3397N	120.8878E	36	From 2015-12-04
Daxi	WLTB	Taiwan region	24.8526N	121.2524E	27	From 2001-11-20
Day	DAY	Djibouti	11.7527N	42.6382E		
Dayton	DYTN	Tennessee,U.S.A.	35.4910N	85.0920W	580	
Dayton Farm, Ripley	P56A	West Virginia,U.S.A.	39.5044N	78.8386W	249	From 2013-05-22
Deadman Bay	DMB	Alaska,U.S.A.	57.0872N	153.9600W	300	From 1975-10-01
Deadman Creek	MDCM	California,U.S.A.	37.7097N	119.0419W	2493	
Deadman Peak	DMPK	New Mexico,U.S.A.	36.4264N	106.7760W	2664	From 1976-11-22
Dead Sea	KARJ	Jordan	32.0169N	35.5508E	-107	
Dead Sea	DSI	Israel	31.5700N	35.3800E	200	
Dead Sea Dam 2	DSD2	Israel	31.1800N	35.4400E	-390	
Deagu-acc	KSDAU	Republic of Korea	35.8856N	128.6187E	0	From 2007-12-11
Deakin University, Geelong	GEXS	Victoria,Australia	38.2008S	144.2902E	83	From 2013-02-25
Dealu_Mare	RO11A	Romania	44.9836N	22.8129E	583	From 2022-11-28
Dean State Forest Ohio	DSFO	Ohio	38.6910N	82.6169W	296	From 2021-07-01 to 2500-12-31
Dease Lake	DLBC	British Columbia,Canada	58.4372N	130.0270W	978	From 1994-09-28
Dease Lake	DLB	British Columbia,Canada	58.4270N	130.0610W	1210	
Death Valley	DV-CL	California,U.S.A.	35.8333N	116.1017W	792	From 1962-01-20 to 1962-04-23
Death Valley	DV-	California,U.S.A.	35.8333N	116.1017W	792	From 1962-01-20 to 1962-04-23
Debdou	M015	Morocco	33.9845N	3.0350W	1079	
De Beque	P20A	Colorado,U.S.A.	39.4998N	108.3912W	1738	From 2007-12-08 to 2009-11-04
De Beque, N12	NCR12	Colorado	39.2708N	108.2052W	1532	
De Bilt	DBN	Netherlands	52.1017N	5.1767E	3	From 1908-08-01
Debin	DBI	Magadanskaya Oblast',Russia	62.3390N	150.7550E	332	
Debrecen	DEB	Hungary	47.5611N	21.6389E	0	
Debre Tabor	YAYE	Ethiopia	11.8608N	37.9965E	2627	
DeCamp, California	DCMP	California	39.4690N	123.3374W	452	From 2017-06-01
Decatur	N48A	Indiana,U.S.A.	40.8591N	85.0271W	250	From 2012-08-31
Deception Hills	DHAK	Alaska,U.S.A.	59.0912N	138.2136W	678	
Deception Island	DEC	South Shetland Islands	62.9833S	60.7167W	7	
Decorah	J39A	Iowa,U.S.A.	43.3354N	91.7062W	350	From 2011-06-12 to 2013-06-03
Dedoflistskaro	DDFL	Georgia,Georgia	41.4458N	46.1183E	856	From 2011-11-18
Deep Cove	DCZ	South Island,New Zealand	45.4647S	167.1535E	71	From 1991-05-28
Deep Springs	DSP	California,U.S.A.	37.3700N	117.9700W	0	
Deer Creek Reservoir	DCU	Utah,U.S.A.	40.4137N	111.5270W	1829	From 1974-11-01
Deer Hill, Carlsbad	225A	New Mexico,U.S.A.	32.1101N	104.8229W	1703	From 2008-03-26 to 2010-02-19
Deer Island	DRRA	Alaska,U.S.A.	54.9235N	162.2832W	380	
Deer Island	DRIA	Alaska,U.S.A.	54.9661N	162.2629W	457	From 1996-07-01
Deer Lake	DRLN	Newfoundland,Canada	49.2560N	57.5042W	238	From 1993-12-14
Deerlick Creek	DLC	Alabama,U.S.A.	33.2608N	87.4448W	137	
Deer Lick Knob, Platina, CA USA	DLIK	California	40.4555N	122.8943W	1304	
Deer Lodge	E15A	Montana,U.S.A.	46.4246N	112.6412W	1520	From 2006-10-10 to 2009-06-12
Degenried	ZUR	Switzerland	47.3692N	8.5809E	615	From 1913-01-01
Degeres	DGS	Kazakhstan	43.2420N	75.7720E	1262	From 1985-01-01
Degersheim	SGT03	Switzerland	47.3656N	9.1995E	920	From 2012-01-15
Deggingen-Nordalb	DEGG	Baden-Wurttemberg	48.6076N	9.7127E	750	From 2017-01-01
Dehloran	DHL1	Iran	32.6810N	47.2807E	204	
Dehoura	M013	Morocco	34.6103N	4.4147W	537	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Dehradun	DHDN	Himachal Pradesh,India	30.3280N	78.0143E	619	From 2007-05-01
Dehra Dun	DDI	Uttar Pradesh,India	30.3225N	78.0556E	682	
Dehrash	IDHR	Iran	34.6997N	46.3867E	1866	From 2004-01-01
Deir al-Asad	GIF4	Israel	32.9340N	35.2570E	200	From 1993-05-01 to 1993-05-31
Deir Qamar	DQRL	Lebanon	33.7057N	35.5702E	963	From 2010-03-30
Dekai, Papua Barat	DYPI	Indonesia	4.8521S	139.4991E	87	From 2019-01-01
Dekalb	DEK	Illinois,U.S.A.	41.9331N	88.7650W	259	From 1987-01-01
Delaikoro	NDE	Fiji	16.5860S	179.3176E	941	From 1981-11-01
Delamar Landing Field, Caliente	S12A	Nevada,U.S.A.	37.6083N	114.8489W	1479	From 2007-02-10 to 2008-09-17
Delamar Mountains	DLM	Nevada,U.S.A.	37.6063N	114.7384W	1744	From 1978-06-08 to 2002-10-10
Del Amo	DLAC	California,U.S.A.	33.8482N	118.0962W	14	
Delano Plantation, Melville	443A	Louisiana,U.S.A.	30.7642N	91.7809W	10	From 2011-02-13 to 2012-11-28
Delary	DEL1	Sweden	56.4717N	13.8683E	150	From 1967-08-01 to 1969-10-24
Delary	DEL	Sweden	56.4701N	13.8705E	150	From 1969-10-25
De las Acacias, David	CSTBL	Panama	8.4110N	82.4410W	29	
Delaware Emergency Management Agency	DEMA	Delaware,U.S.A.	39.3187N	75.6098W	12	
Delaware (Ont)	DLA	Ontario,Canada	42.8583N	81.5733W	227	From 1975-06-01
Delcer	SLDE	St Lucia	13.8031N	61.0583W	246	
Delcommune	DCC	Democratic Republic of the Congo	10.5100S	25.4550E	1437	
Delmont, Spital JU	SDES	Switzerland	47.3685N	7.3399E	453	From 2016-02-01
Delhi	DH-NY	New York,U.S.A.	42.2442N	74.8883W	652	From 1961-10-28 to 1965-11-15
Delhi	DH-	New York,U.S.A.	42.2442N	74.8883W	652	From 1961-10-28 to 1965-11-15
Delianuova	DLNV	Italy	38.2370N	15.9190E	640	From 2022-10-11
Delisi	TBLG	Georgia,Georgia	41.7309N	44.7382E	510	From 1976-01-01
Dell	DLAR	Arkansas,U.S.A.	35.8097N	90.0080W	67	
Dellbruck	BA08	Nordrhein-Westfalen,Germany	50.9642N	7.0755E	58	From 2006-10-01
Delli Paoli	DPLY	New York,U.S.A.	41.2528N	73.9108W	67	
Dell Rapids	DL-	South Dakota,U.S.A.	43.8328N	96.7733W	488	From 1962-12-28 to 1963-03-21
Dell Rapids	DL-SD	South Dakota,U.S.A.	43.8328N	96.7733W	488	From 1962-12-28 to 1963-03-21
Delmece	DLMC	Turkey	40.5626N	29.0039E	699	From 2008-09-25
Delmo Park	DPM	Montana,U.S.A.	45.9690N	112.2690W	1855	From 1984-01-01 to 1985-07-22
Del Norte, S14	SCR14	Colorado	37.6628N	106.3500W	2432	
DeLong Mountains	C17K	Alaska,U.S.A.	68.4753N	163.1776W	498	From 2017-08-27
Deloro Mine	DELO	Ontario,Canada	44.5177N	77.6186W	213	From 2009-05-29
Delphi	DLFA	Greece	38.4784N	22.4957E	560	From 2011-04-12
Del Rio	DRIO	Texas,U.S.A.	29.4231N	100.6189W	354	From 2017-03-17
Delta	DI7	Baja California	32.3567N	115.2533W	10	
Delta	DELX	Baja California,Mexico	32.3552N	115.1872W	28	From 1987-02-01
Delta Junction E	DJE	Alaska,U.S.A.	64.0280N	145.6790W	378	From 1990-06-07 to 2002-12-20
Delta Microwave	DMW	Alaska,U.S.A.	64.0563N	145.7310W	346	From 1986-01-01
Del Valle	CDVM	California,U.S.A.	37.5663N	121.6800W	250	From 1979-10-10
Del Valle	CL1	California,U.S.A.	37.5663N	121.6800W	250	From 1979-10-10
Demacu	DHIG	Hidalgo	20.3003N	99.0355W	1994	From 2003-06-28
Demacu	DEIG	Mexico D.F.,Mexico	20.3012N	99.0353W	1994	From 2003-06-28
Demirci	DEMI	Turkey	39.0428N	28.7162E	920	From 2007-05-21
Demirkent	DDEM	Turkey	40.8923N	41.7507E	1149	From 2007-09-26
Demirkopru	DKP	Turkey	38.6142N	28.3128E	250	
Demirkoy	DMK	Turkey	41.8216N	27.7572E	315	From 1970-08-01 to 2003-02-28
Demirtas	DMT	Turkey	40.2750N	29.0972E	140	From 1978-08-01 to 1999-08-25
Demmitville	DMV	Missouri,U.S.A.	36.7040N	89.7450W	89	
Demre-Antalya	DEMR	Turkey	36.2365N	29.9056E	168	From 2011-08-01
Denali Highway	DHY	Alaska,U.S.A.	63.0753N	147.3759W	1611	From 1993-07-06
Denisovskaya, Sakha	DN03	Sakha	56.7420N	124.8360E	860	From 2022-10-01
Denisovskaya, Sakha	DN02	Sakha	56.7530N	124.8910E	765	From 2022-10-01
Denisovskaya, Sakha	DN01	Sakha	56.7720N	124.8370E	727	From 2022-10-01
Denizli	UZP	Turkey	38.0313N	29.1746E	1203	From 2007-04-08
Denizli	DENT	Turkey	37.7540N	29.0330E	637	
Denizli, Cameli-Kalinkoz	CAEL	Turkey	37.1229N	29.3199E	1386	From 2014-12-05
DENIZLI_Tavas	TAVA	Turkey	37.4657N	28.9132E	1016	From 2011-09-27
Denizli-Tavas-Kızılcablk	DNIZ	Turkey	37.6256N	29.0384E	1005	From 2017-02-09
Denniston	DNS	South Island,New Zealand	41.7381S	171.7960E	600	From 1968-05-25 to 1968-07-02
Denniston North	DSZ	South Island,New Zealand	41.7449S	171.8046E	650	From 1990-02-18
Denny Creek	YPDC	Montana,U.S.A.	44.7095N	111.2397W	2025	
Denpasar	IGBI	Bali,Indonesia	8.8181S	115.1456E	0	From 2005-01-01
Denpasar	DNP	Bali,Indonesia	8.6772S	115.2102E	15	From 1968-01-01
Dent	DEI	Idaho,U.S.A.	46.6400N	116.1990W	960	From 1971-10-01 to 1974-07-25
Dent Fell	XDE	England,United Kingdom	54.5058N	3.4897W	291	From 1983-04-15
Denton	DNT	Texas,U.S.A.	33.2167N	97.1333W	208	From 1925-01-01 to 1999-08-25
Denver	DEN	Colorado,U.S.A.	39.7917N	105.0330W	1655	From 1909-08-01
Denville	DENJ	New Jersey,U.S.A.	40.9662N	74.4642W	298	
Deoband	DBND	Uttar Pradesh,India	29.7167N	77.7312E	210	From 2007-05-01
Deogaon,Odisha	DEGN	Orissa	20.5450N	83.4210E	178	From 2015-12-17
Deogyusan	DUSB	Republic of Korea	35.8943N	127.7731E	598	From 2016-05-31
Deokjeokdo	KSDEI	Republic of Korea	37.2558N	126.1049E	0	From 2008-01-01
Deokjeong-ri	DKJ	Republic of Korea	35.9468N	129.1089E	173	From 1994-12-14
Depew	DEOK	Oklahoma,U.S.A.	35.8426N	96.4983W	291	From 2015-10-30
Deposit	DP-	New York,U.S.A.	42.0883N	75.4522W	579	From 1962-07-07 to 1962-07-17
Deposit	DP-NY	New York,U.S.A.	42.0883N	75.4522W	579	From 1962-07-07 to 1962-07-17
Deputatskiy	DEPR	Sakha,Russia	69.3920N	139.9020E	320	From 2003-08-27
Deqen	ST01	Xizang Zizhiqu,China	30.6497N	90.1335E	4792	From 1998-07-17 to 1999-05-27
Derazinda	DRP	Pakistan	31.7440N	70.2028E	638	
Derbent	DERT	Turkey	40.3558N	29.6760E	50	From 1994-01-01
Derbent	DRN	Dagestan,Russia	42.0300N	48.3300E	-28	
Derby	DER	Colorado,U.S.A.	39.8678N	104.8840W		
Derby	DVT	Vermont,U.S.A.	44.9620N	72.1709W	370	
DERBY	DERBY	Western Australia	17.3145S	123.6489E	51	From 2021-08-03
Derby Farms, Drakesville	N39A	Iowa,U.S.A.	40.8776N	92.5023W	260	From 2010-11-16 to 2012-12-05
Dereazı, Tavas, Denizli	DNZT	Turkey	37.2787N	29.0248E	1021	From 2018-01-01
Dereboslan, Eskıpazar, Karabk	DERS	Turkey	40.8516N	32.5506E	1182	From 2017-03-17
DeRidder	441A	Louisiana,U.S.A.	30.7498N	93.1898W	53	From 2011-02-11 to 2012-12-06
Dersam	DNY	New York,U.S.A.	42.8363N	78.1688W	381	From 1971-07-01 to 1979-04-30
Derveni	DVI	Greece	38.1020N	22.4090E	410	From 2006-05-10
DESA	DESA	Saudi Arabia	27.5060N	36.1640E	466	
Desaguadero	DSG	Bolivia	16.5594S	69.0250W	3810	
Desamparados	AMPA	Costa Rica,Costa Rica	9.8960N	84.0620W	1177	
Des Bee Dove	DBD	Utah,U.S.A.	39.3137N	111.0925W	2265	
Dese	DESE	Ethiopia	11.1180N	39.6352E	2538	From 1988-01-01
Desenzano Garda	PDN4	Italy	45.4429N	10.5256E	160	From 2021-07-30
Desenzano Tresine	GRDT	Italy	45.4853N	10.5227E	137	From 2004-01-10
Desert	DES	Hawaii,U.S.A.	19.3367N	155.3880W	815	From 1958-07-01
Desert Coulee Ranch, Glasgow	C21A	Montana,U.S.A.	47.8264N	107.0960W	804	From 2008-09-04 to 2011-01-13
Desert Hot Springs	DHS	California,U.S.A.	33.9667N	116.5000W	330	From 1948-01-01 to 1949-03-31
Deserto Penisola Sorrentina	DPS	Italy	40.6100N	14.3651E	456	From 1972-12-01
Deserto P. S.	DP1	Italy	40.6100N	14.3651E	456	From 1972-12-01
Desert Rsrch Ctr	DREC	California,U.S.A.	32.8053N	115.4468W	-13	
Desert Studies Ctr	DSCC	California,U.S.A.	35.1426N	116.1039W	283	
Desert Tortoise Park	DTP	California,U.S.A.	35.2675N	117.8450W	951	
Desert View Tower, Jacumba	DVTC	California,U.S.A.	32.6591N	116.1006W	881	From 2001-06-22 to 2010-01-14
Desfina	DESFA	Greece	38.4253N	22.5937E	983	
Desfina	DSF	Greece	38.4112N	22.5271E	699	From 2008-02-28
Desfina	DESF	Greece	38.4127N	22.5321E	750	From 2008-06-12
Des Moines	DMI	Iowa,U.S.A.	41.6000N	93.6833W	296	From 1934-12-20 to 1937-06-30
Despedida	DSPA	Tierra del Fuego,Argentina	53.9536S	68.2668W	150	
Dessel	BDSL	Belgium	51.2168N	5.0648E	22	From 2008-11-01
Detroit Lake	H04A	Oregon,U.S.A.	44.6837N	122.1862W	652	From 2005-11-09 to 2008-12-03
Deurdeur	EDDR	Algeria,Algeria	36.0030N	2.2140E	705	
Deutsch Goritz	A021A	Austria	46.7566N	15.8253E	265	From 2015-09-30
Deva	DEV1	Romania	45.8799N	22.9070E	187	From 2015-10-02
Deva	DEV	Romania	45.8833N	22.9033E	250	From 1970-02-01
Devers	DEVC	California,U.S.A.	33.9360N	116.5779W	337	
Devilbend	DVBM	Victoria,Australia	38.2874S	145.0977E	75	
Devil Canyon	DVL	California,U.S.A.	34.1998N	117.3280W	598	From 1974-12-01 to 1976-11-30
Devil Mountain	DMA	Alaska,U.S.A.	66.3100N	164.5200W	243	From 1977-08-01
Devils Gate	ID08	Idaho,U.S.A.	42.8960N	111.8389W	2054	From 2017-09-09 to 2017-10-25
Devils Kitchen North	DKNM	California,U.S.A.	36.0510N	117.8088W	1347	
Devils Point	DVP	Vanuatu	17.7253S	168.1870E		
Devils Postpile	MDPM	California,U.S.A.	37.6325N	119.0797W	2315	
Devils Postpile Broadband	MDPB	California,U.S.A.	37.6323N	119.0793W	2360	
Devrek	DVR	Turkey	41.1594N	32.0075E	960	From 1991-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
De Xico	THVM	Mexico D.F.	19.3108N	98.9732W	2253	
Deyax Mournies Chania	DEYA	Crete	35.4825N	24.0140E	41	From 2016-12-01
Dezadeash Lake	DLY	Yukon Territory,Canada	60.3700N	137.0650W	738	From 1978-11-20 to 1981-03-31
Dgnorisa	DGN	Georgia,Georgia	42.4666N	42.8333E	450	From 1979-01-01
Dhahab	HDHB	Egypt	28.7221N	34.6188E	20	
Dhahran	DHR	Saudi Arabia	26.3039N	50.1389E	72	
Dhamar	DAMY	Yemen	14.5725N	44.3917E	2488	
Dhamar	DHMR	Yemen	14.5610N	44.3870E	2429	From 1994-06-01
Dhamar BB	DHBB	Yemen	14.5710N	44.3900E	2460	
DHARAMSHALA	DHRM	Himachal Pradesh,India	32.2500N	76.3000E	1995	From 1998-09-20
Dharan Janob	DHJN	Saudi Arabia	17.6600N	43.4890E	2400	From 1990-06-13
Dharma Camp	DHRN	Northwest Territories,Canada	67.0331N	119.5088W	218	From 2009-07-15
Dharwar	DHD	Goa, Daman and Diu,India	15.4328N	74.9844E	755	
Dheba	NDEBA	Saudi Arabia	27.4650N	35.6540E	96	
Dhodishal	DHO	Pakistan	35.5850N	73.7090E	1847	From 2007-09-01
DHOFAR2 - YR	AYNO	Oman	17.2558N	53.8940E	864	
DHOFAR2 - YR	MUGO	Oman	16.9013N	53.7741E	42	
DHOFAR2 - YR	NNMO	Oman	17.3560N	54.2533E	688	
DHOFAR2 - YR	SAHO	Oman	17.1142N	54.6794E	1180	
DHOFAR2 - YR	MDYO	Oman	17.4646N	53.3582E	574	
DHOFAR2 - YR	SOOO	Oman	17.0772N	54.8846E	145	
DHOFAR2 - YR	DAHO	Oman	17.5255N	54.3510E	542	
DHOFAR2 - YR	ADHO	Oman	17.2421N	54.2845E	914	
DHOFAR2 - YR	ABAY	Oman	12.6045N	54.3228E	63	
DHOFAR2 - YR	AYDO	Oman	16.9884N	53.3598E	45	
DHOFAR2 - YR	TQHO	Oman	17.0634N	54.4295E	37	
DHOFAR2 - YR	RAHO	Oman	17.0565N	53.8069E	1177	
DHOFAR2 - YR	HADO	Oman	17.2228N	55.1937E	93	
DHOFAR2 - YR	HASO	Oman	17.4922N	55.2189E	31	
DHOFAR2 - YR	HAYO	Oman	17.1835N	53.3400E	827	
DHOFAR2 - YR	QALY	Oman	12.6950N	53.4880E	43	
DHOFAR2 - YR, ALE	AALE	Ethiopia	9.4214N	42.0347E	2026	
DHOFAR2 - YR, ASHO	AASHO	Oman	17.2499N	54.2660E	925	
DHOFAR2 - YR, BANO	ABANO	Oman	17.6888N	54.4384E	455	
DHOFAR2 - YR, DMTO	ADMTO	Oman	17.7302N	55.0739E	437	
DHOFAR2 - YR, GDR	AGDR	Oman	12.5590N	37.4540E	2103	
DHOFAR2 - YR, MADO	AMADO	Oman	17.1989N	54.3811E	829	
DHOFAR2 - YR, SAY	ASAY	Oman	15.3548N	44.1999E	2251	
DHOFAR2 - YR, SHIO	ASHIO	Oman	17.1891N	54.1655E	552	
DHOFAR - XZ	DS08	Oman	17.1130N	54.5230E	658	
DHOFAR - XZ	DS01	Oman	17.0270N	54.1130E	0	
DHOFAR - XZ	DS11	Oman	16.8230N	53.4700E	1010	
DHOFAR - XZ	DS10	Oman	17.5030N	54.2040E	550	
DHOFAR - XZ	DS09	Oman	16.9860N	54.6970E	0	
DHOFAR - XZ	DS07	Oman	17.2550N	54.4880E	939	
DHOFAR - XZ	DS06	Oman	17.6210N	54.0510E	480	
DHOFAR - XZ	DS05	Oman	17.3540N	53.9680E	680	
DHOFAR - XZ	DS04	Oman	17.4440N	54.0420E	608	
DHOFAR - XZ	DS03	Oman	17.2500N	54.0840E	894	
DHOFAR - XZ	DS02	Oman	17.1260N	53.9960E	788	
Dholavira	DOLA	Gujarat,India	23.5249N	70.1302E	36	From 2012-01-01
DHUBRI	DHUB	Assam,India	26.0201N	89.9955E	33	From 2011-05-01
Diablo Avenue Hayward	C056	California,U.S.A.	37.6363N	122.1264W	-15	From 2011-04-20
Diablo Creek	DCD	California,U.S.A.	35.2122N	120.8408W	238	
Diadem	DMP	South Island,New Zealand	44.4126S	169.8273E	820	From 1975-03-15 to 1983-11-21
DIAMANTINA	FEM1	Italia	44.8807N	11.4967E	-142	From 2020-08-10
Diamantina, MG	DIAM	Brazil	18.2966S	43.6721W	1346	From 2015-01-20
Diamer-Basha	DAM1	Pakistan	35.5140N	73.7590E	1199	From 2007-09-01
Diamond	T38A	Missouri,U.S.A.	37.0354N	94.2930W	349	From 2011-01-25 to 2012-10-28
Diamond D Ranch, Stanley	H12A	Idaho,U.S.A.	44.5494N	114.8554W	1777	From 2006-11-17 to 2009-07-27
Diamond G Ranch, Dubois	I18A	Wyoming,U.S.A.	43.7013N	109.8171W	2322	From 2007-10-26 to 2009-09-18
Diamond Harbour School	DHSS	South Island,New Zealand	43.6303S	172.7272E	97	From 2012-06-27
Diamond Head	DHH	Hawaii,U.S.A.	21.2632N	157.8006W	125	From 1985-05-01
Diamond Ranch	DIR	California,U.S.A.	36.3363N	120.3760W	496	From 1973-11-07 to 1975-06-16
Diamondview Rd.	KB5O	Ontario,Canada	45.3931N	76.1453W	98	From 2013-10-01
Dianopolis -TO	RET6	Tocantins,Brazil	11.4560S	46.8860W	516	From 2012-06-14
Diano San Pietro	DNSP	Italy	43.9286N	8.0708E	44	From 2022-12-13
Diavik Mine	DVKN	Northwest Territories,Canada	64.5092N	110.3096W	420	
Diaz Spring, Modoc Natn. Forest, Brockman, CA USA	DIAZ	California	41.0037N	120.7456W	1985	From 2021-06-01
Dibba-Fujairah	DBF	United Arab Emirates	25.5831N	56.3165E	0	From 2018-11-01
DIBRUGARH	DIBR	Assam,India	27.4676N	94.9112E	90	From 2011-05-01
Di Chot	DICE	Ethiopia	11.9136N	41.5737E	464	
Dickens	DKNS	Texas,U.S.A.	33.6665N	100.9236W	843	From 2016-12-18
Dickey	D5A	Maine,U.S.A.	47.0113N	69.2650W	365	
Dickey	D2A	Maine,U.S.A.	47.1303N	69.1503W	402	From 1976-10-01 to 1999-08-25
Dickey	D1A	Maine,U.S.A.	47.0586N	69.0989W	305	From 1976-10-01 to 1999-01-31
Dickey	D4A	Maine,U.S.A.	47.1881N	69.2767W	490	
Dickey	D6A	Maine,U.S.A.	47.0890N	69.4957W	430	
Dickey	D3A	Maine,U.S.A.	47.0875N	69.1669W	259	From 1976-10-01 to 1999-08-25
Dickinson College	DCP	Pennsylvania,U.S.A.	40.2040N	77.1970W	143	From 1990-01-14
Dider Farm, Eltopia	E08A	Washington,U.S.A.	46.4911N	119.0595W	233	From 2006-09-26 to 2008-12-03
Didima	DID	Greece	37.5063N	23.2368E	520	From 2006-04-10
Didim-Aydin	DIDI	Turkey	37.3766N	27.2398E	75	From 2011-04-19
Didyma	DIDY	Greece	37.4765N	23.2118E	1036	From 2008-10-13
Didziasalis	IDID	Lithuania	55.3148N	26.7390E	111	
Diego Aracena	TA01	Tarapac	20.5657S	70.1807W	75	From 2013-11-21
Diego Carcia HYDROACOUSTIC SITE N1	H08N1	Chagos Archipelago	6.3421S	71.0143E	-3556	From 2010-01-24
Diego Carcia HYDROACOUSTIC SITE S1	H08S1	Chagos Archipelago	7.6453S	72.4744E	-3302	From 2010-01-24
Diego Garcia	DGAR	Chagos Archipelago	7.4121S	72.4525E	0	
Diego Garcia HYDROACOUSTIC SITE N2	H08N2	Chagos Archipelago	6.3251S	71.0001E	-3616	From 2010-01-24
Diego Garcia HYDROACOUSTIC SITE N3	H08N3	Chagos Archipelago	6.3454S	70.9919E	-3524	From 2010-01-24
Diego Garcia HYDROACOUSTIC SITE S2	H08S2	Chagos Archipelago	7.6453S	72.4933E	-3274	From 2010-01-24
Diego Garcia HYDROACOUSTIC SITE S3	H08S3	Chagos Archipelago	7.6275S	72.4838E	-3135	From 2010-01-24
DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	DGRP	Chagos Archipelago	7.3778S	72.4842E	1	From 2002-12-18
Diego Martin	DMIS	Trinidad and Tobago	10.6796N	61.5583W	3	From 2022-09-23
Diego Martin	DMNP	Trinidad and Tobago	10.7461N	61.5637W	214	From 2022-12-23
Diego Martin Central	DMCS	Trinidad and Tobago	10.7182N	61.5596W	31	From 2023-02-02
Dienbien	DBV	Vietnam	21.3900N	103.0250E	1050	
Dierke Farm, Cannon Falls	H37A	Minnesota,U.S.A.	44.5812N	92.9181W	321	From 2010-09-27 to 2012-09-10
Difesa San Luca	DSB1	Italy	41.2872N	14.9769E	940	
Diga del Menta	ME05	Italy	38.1243N	15.8999E	1458	From 2007-10-22 to 2010-01-31
Digdiga	DIGE	Ethiopia	12.3279N	40.2734E	675	
Digermulen	N2DI	Norway	68.3133N	14.9863E	9	From 2013-08-01 to 2016-05-30
Digger Butte	LDBM	California,U.S.A.	40.4317N	121.7850W	1225	
Dighton	R30A	Kansas,U.S.A.	38.2844N	100.2769W	776	From 2009-04-16 to 2011-03-17
DIGLIPUR	DGPR	Andaman Islands,India	13.1776N	92.9305E	30	From 2008-01-27
Digne	OG29	Rhone-Alpes,France	44.0925N	6.2650E	685	From 1991-01-22
Digne	OGDI	Provence-Cote d'Azur,France	44.1100N	6.3003E	770	
Digor gorge	ROSK	Georgia	42.8990N	43.6050E	1920	From 2003-01-01 to 2006-07-04
Digorskoe uzhel'e	DIGR	Severo-Osetinskaya,Russia	42.8994N	43.5807E	1907	From 2003-11-01
Dikaia	TRGA	Greece	41.7054N	26.2946E	50	
Dikili	DKL	Turkey	39.0713N	26.9054E	45	From 2010-07-22
Dikili, Delikta, zmir	IZMD	Turkey	38.9842N	26.9281E	1021	From 2018-01-01
Dikmen	DIKM	Turkey	41.6496N	35.2578E	258	From 2006-06-27
Dilar	DILR	Spain	37.0430N	3.6188W	1100	
Dilar	EXDI	Spain	37.0680N	3.6010W	898	
Dili	DLI	East Timor,East Timor	8.5669S	125.5533E	0	
Dilla	DILA	Ethiopia	6.4343N	38.2867E	1432	
Dillingham	DLL	Alaska,U.S.A.	59.0000N	158.7000W	0	
Dillon	G15A	Montana,U.S.A.	45.1660N	112.4887W	1857	From 2006-11-09 to 2009-06-09
Dillon	DI-	Montana,U.S.A.	45.1736N	112.4478W	1859	From 1966-05-23 to 1966-05-24
Dillon	DI-MA	Montana,U.S.A.	45.1736N	112.4478W	1859	From 1966-05-23 to 1966-05-24
Dillon	DLMT	Montana,U.S.A.	45.3625N	112.5964W	1569	
Dillon Ranch	HDLM	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillon Ranch	DIL	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillon Ranch	AN5*	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillo Street San Leandro	C070	California,U.S.A.	37.7028N	122.1318W	3	From 2013-04-23
Dilts Ranch, Bill	J23A	Wyoming,U.S.A.	43.4036N	105.5524W	1499	From 2008-10-15 to 2010-09-08
Dimbokro	DBIC	Ivory Coast	6.6701N	4.8563W	25	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	DIMCI	Ivory Coast	6.6704N	4.8569W	156	From 2002-03-29
Dimitra, N017	N017M	Greece	39.9486N	21.6771E	497	
Dimitropoulo, Aigialia, West Greece	DIMT	Greece	38.2468N	22.0436E	72	From 2000-05-15
Dimitrovgrad	DIM	Bulgaria	42.0457N	25.5778E	144	
Dimmadalss	IDIM	Iceland	65.9615N	16.9319W	266	From 2008-11-20
Dimmitt	X28A	Texas,U.S.A.	34.5185N	102.1973W	1160	From 2009-01-22 to 2010-11-15
Dimona	DIMI	Israel	31.0080N	35.1020E	520	
Dinami	DNMI	Italy	38.5315N	16.1448E	280	From 2022-07-27
Dine' College, Tsaile	U19A	Arizona,U.S.A.	36.2925N	109.2076W	2166	From 2008-02-21 to 2009-03-18
Dingess, Beckley	S54A	West Virginia,U.S.A.	37.7997N	81.3114W	636	From 2013-05-17
Dinsmores, CA USA	DMOR	California	40.7095N	123.7034W	1317	From 2018-01-01
Dionisos Attiki	DION	Greece	38.0779N	23.9331E	457	From 2011-12-22
Dio Pefka	PEFK	Greece	38.0770N	23.6210E	200	
Dipolog	DIP	Mindanao,Philippines	8.6000N	123.3500E	3	From 1972-01-01 to 1972-10-31
Dipolog City	DCPH	Mindanao,Philippines	8.5830N	123.3520E	5	
Dipotamo, N009	N009M	Greece	39.7883N	20.8775E	933	
Dique - Cabra Corral	AQCC	Salta,Argentina	25.2687S	65.3293W	1020	From 1996-08-30
Direccin General de Estadstica y Censos (DIGESTYC)	SSN	El Salvador	13.7137N	89.1698W	639	
Diriamba	ADRN	Nicaragua	11.8571N	86.2409W	596	From 2014-05-22 to 2018-03-31
Dirks Ranch, Alva	H24A	Wyoming,U.S.A.	44.7473N	104.5524W	1166	From 2008-10-20 to 2010-08-14
Disappointment Valley, Cahone	S20A	Colorado,U.S.A.	37.8300N	108.3605W	2355	From 2008-06-19 to 2009-11-11
Discovery Mine	DSMN	Northwest Territories,Canada	63.1799N	113.9004W	307	
Dishon	DSHN	Israel	33.0829N	35.5195E	457	From 2018-11-25
Disk Island	DSK	Alaska,U.S.A.	60.5020N	147.6470W	15	From 1974-07-27 to 1975-10-18
Disney Wilderness Preserve, Florida	DWPF	Florida,U.S.A.	28.1103N	81.4327W	30	From 2010-09-24
District Admin Building, Gore	GOREE	Ethiopia,Ethiopia	8.1501N	35.5330E	2063	From 2014-03-23 to 2017-12-01
Distrito Reforma Tijuana	DRETJ	Baja California	32.4675N	116.9560W	23	
Distro VI	R45A8	Managua,Nicaragua	12.1441N	86.2192W	87	From 2018-02-17 to 2019-02-28
Distro VII	R1F03	Managua,Nicaragua	12.1156N	86.1992W	130	From 2018-02-17 to 2019-02-28
Divibare	DIVS	Serbia	44.0982N	19.9917E	996	From 2003-09-27
Divide	Q24A	Colorado,U.S.A.	38.9641N	105.1492W	2775	From 2008-06-28
Divide	DIV	Alaska,U.S.A.	61.1295N	145.7717W	931	
Divnogorie	VORD	Voronezhskaya Oblast',Russia	50.9660N	39.2930E	94	From 1998-02-01
Divnogorsk	DVG	Krasnoyarskiy Kray,Russia	55.9561N	92.4036E	241	From 2001-12-18
Divot King Ranch, Dilley	733A	Texas,U.S.A.	28.7192N	99.2939W	169	From 2009-12-03 to 2011-10-11
Divri	MIMR	Turkey,Turkey	39.3211N	38.0446E	1191	
Dixie Hot Springs	DIXR	Nevada,U.S.A.	39.8022N	118.0820W	1143	From 1980-01-01
Dixie Valley	P08A	Nevada,U.S.A.	39.6946N	118.0800W	1040	From 2006-02-26 to 2008-03-11
Dixon Mills	248A	Alabama,U.S.A.	32.0940N	87.7393W	103	From 2011-04-08 to 2013-01-25
Dixon Ranch, Lance Creek	J24A	Wyoming,U.S.A.	43.3305N	104.6613W	1315	From 2008-10-25 to 2010-09-11
Diyadin	DYDN	Turkey	39.5436N	43.6889E	2010	From 2006-09-13
Diyarbakir	DIY	Turkey	37.8958N	40.2263E	900	From 1994-01-06
Diyarbakir	DYBB	Turkey	37.9531N	40.1394E	826	From 2009-12-10
Diyarbakir	DIYA	Turkey	37.9234N	40.1208E	838	From 2006-12-18
Diyarbakır	KKOY	Turkey	38.2918N	40.5087E	963	From 2020-11-17
Diyarbakir_Hani	HANI	Turkey	38.4147N	40.3994E	923	From 2011-10-30
Djangeldy	DJAN	Uzbekistan	40.8637N	63.3398E	1070	
Djebel Ababsia	CABS	Algeria	36.2733N	7.4778E	1025	
Djebel Ababsia	ABSA	Algeria	36.2733N	7.4778E	1025	
Djebel Berber	OJBR	Algeria	35.5835N	0.3450E	800	
Djebel Bou Affroun	DFRA	Algeria	36.5450N	5.8769E	1187	
Djebel Bou Ahmed	EBHM	Algeria	36.3772N	1.0758E	829	
Djebel Bou Ietas	OBLS	Algeria	34.9750N	0.4420W	1053	
Djebel Bou Maad	EBOM	Algeria	36.4222N	2.2128E	1225	
Djebel Bou Yalou	EBYL	Algeria	36.4242N	1.8325E	1051	
Djebel Djouab	ADJB	Algeria	36.1577N	3.4380E	1140	
Djebel Guires	OJGS	Algeria	35.5045N	0.7497E	920	
Djebel Kef Guellal	OKGL	Algeria	36.0380N	0.6430E	560	
Djebel Ketaf	AKET	Algeria	36.0470N	3.8822E	1428	
Djebel Kodjel	OKJL	Algeria	35.0405N	0.1647E	1075	
Djebel Mahouada	EMHD	Algeria	36.2008N	2.9530E	1250	
Djebel Manchoura	CMAH	Algeria	36.6250N	7.4197E	795	
Djebel Midouna	OMID	Algeria	35.2800N	0.1900W	745	
Djebel Saadia	ESAD	Algeria	35.9167N	1.3572E	890	
Djebel Tachoubennt	ETHB	Algeria	36.0245N	1.7300E	1070	
Djebel Tanoua	ETAN	Algeria	35.9083N	2.3358E	1595	
Djebel Tarf	ATAF	Algeria	35.8737N	4.2772E	1000	
Djebel Teioualt	CTEI	Algeria	36.0630N	6.4063E	1285	
Djebel Tessala	OTSS	Algeria	35.2817N	0.7942W	1055	
Djelida	EHRZ	Algeria,Algeria	36.1960N	2.1080E	419	
Djerdap	DJES	Serbia	44.6660N	22.5200E	392	From 1996-05-20
Djibouti, TKB	TKBA	Djibouti	11.5810N	42.4565E	35	
Djoy, Khakassia, Russia	DJO	Khakassia,Russia	52.7818N	91.2180E	553	From 2003-11-16
Djoyskaya Sosnovka, Khakassia, Russia	DJOS	Khakassia,Russia	52.7945N	91.3984E	569	From 2011-02-03
Dlalha	M004	Morocco	34.7918N	6.2498W	119	
DLIA	DLIA	Israel	32.5830N	35.0680E	150	From 1988-04-26 to 1990-10-02
Dmanisi	DMNS	Georgia,Georgia	41.3300N	44.2000E	1260	
Dmanisi	DMNI	Georgia	41.3291N	44.1902E	1256	From 2013-11-16
DMTO	DMTO	Oman	17.7163N	54.9475E	161	
Doab	IDOB	Iran	33.7874N	48.1774E	1935	From 2008-01-01
Doan Hung	DHV	Vietnam	21.6268N	105.1838E	70	
Dobbs Creek Ranch, Lacey	D04A	Washington,U.S.A.	47.1109N	122.8035W	31	From 2005-10-24 to 2008-03-29
Dobcross Hall	BDL	Scotland,United Kingdom	54.8030N	2.9385W	157	
Doboj	DOB	Bosnia and Herzegovina	44.7330N	18.1000E	165	From 2003-09-01
Dobrich	DOBAM	Bulgaria	43.5811N	27.8310E	246	From 2012-11-20
Dobrichov	A081A	Czech Republic	50.0752N	15.0341E	228	From 2015-09-25
Dobrina	DOBR	Bulgaria	43.1790N	27.4627E	233	From 2009-05-01
Dobrina	DOBS	Slovenia	46.1495N	15.4691E	425	From 1996-12-01
Dobrita	DBRR	Romania	45.1662N	23.2077E	735	From 2023-02-16
Dobrovo	DBY	Slovenia	45.9990N	13.5280E	100	From 1989-08-14 to 1989-08-17
Dobruska-Polom	DPC	Czech Republic	50.3502N	16.3222E	748	
Dobryanka	PR2R	Permskiy Kray,Russia	58.5482N	56.1868E	120	From 2002-02-14
Dochfour	MDO	Scotland,United Kingdom	57.4410N	4.3630W	366	From 1981-01-01
Dochia	DOC	Romania	46.9069N	26.5500E	330	From 1984-01-01 to 1988-08-15
Docker River	DOCK	Western Australia,Australia	24.8380S	129.0334E	650	
Doda	DODA	Jammu and Kashmir	33.1452N	75.5552E	1126	
Dodaira	DDR	Saitama,Japan	35.9983N	139.1930E	800	From 1966-04-01
Dodge Ridge, Pinecrest, CA USA	DRDG	California	38.1682N	119.9689W	2123	From 2020-08-01
Dodoma	DOD	Tanzania,United Republic of Tanzania	6.2083S	35.7556E	1204	
Dodoma	DODM	Tanzania,United Republic of Tanzania	6.2070S	35.7562E	1183	
Dodoma, Tanzania	DODT	Tanzania,United Republic of Tanzania	6.1900S	35.7500E	1114	From 2007-02-11
Dodoni	DDN	Greece	39.5314N	20.8449E	1108	From 2007-11-07
Dodson Butte	DBO	Oregon,U.S.A.	43.1192N	123.2430W	984	From 1990-08-01
Doe Ridge	MDRNC	California,U.S.A.	37.6379N	118.8357W	2191	
Doetra (Olivone)	DOETR	Switzerland	46.5324N	8.8773E	1771	From 2005-12-15
Doganshehir, Malatya	MTOP	Turkey	38.0985N	37.8538E	1383	From 2021-12-29
Doganyol-Malatya	MDYL	Turkey	38.3137N	39.0383E	926	
Dogotuki	DGTI	Fiji	16.3005S	179.7365E	241	
Dog Skin Mountain	DSM	Nevada,U.S.A.	39.8672N	119.7087W	1804	
Dogwood	DWDM	Missouri,U.S.A.	36.7961N	89.4927W	89	
Dogwood	DWM	Missouri,U.S.A.	36.8050N	89.4900W	92	From 1974-11-20
Dogwood Acres, Gardner	D32A	North Dakota,U.S.A.	47.1354N	97.0164W	280	From 2010-08-15 to 2012-06-21
Dogwood Acres, Gardner	D32B	North Dakota,U.S.A.	47.1355N	97.0164W	271	From 2013-11-20
Doima	ST27	Xizang Zizhiqu,China	32.7437N	88.8506E	4867	From 1998-07-25 to 1999-06-05
Doi Son	DSV	Vietnam	20.5870N	105.9740E	70	
Doka	DOK	Oman	18.6180N	54.1288E	161	From 2011-03-07
Dolbeau-Mistassini	DMCQ	Quebec,Canada	48.9646N	72.0680W	197	From 2009-09-15
Dolc	PDN8	Italy	45.5397N	10.8235E	115	From 2021-10-01
Dolgoi Island	DLG	Alaska,U.S.A.	55.1410N	161.8358W	367	
Dolgoi Island	DOL	Alaska,U.S.A.	55.1485N	161.8636W	442	From 1996-07-01
Doliana, Greece	GR14	Greece	39.9000N	20.5788E	570	From 2022-10-01
Dolores	ABRA	Luzon,Philippines	17.6490N	120.7120E	50	
Domaine de Cadables, 34109, Gabian, Herault	A202A	France	43.5025N	3.2602E	212	From 2016-08-26
Dombai	DOMR	Stavropol'skiy Kray,Russia	43.2920N	41.6240E	1608	From 2006-10-25
Dombas	DOMB	Norway	62.0424N	9.0642E	660	
Domengine Ranch	PDRM	California,U.S.A.	36.3357N	120.3690W	488	
Domenigoni Valley Reservoir	DGR	California,U.S.A.	33.6500N	117.0095W	609	From 1993-03-17
Domeniko	TYR4	Greece	39.7919N	22.1202E	312	From 2021-03-06 to 2021-04-30
Dome Shelter	DRZ	North Island,New Zealand	39.2753S	175.5635E	2692	From 1984-03-23

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Dominica	DOM	Dominica	15.2960N	61.3910W	15	From 1953-02-03
Dominica Chance, Portsmouth	MDPO	Dominica	15.5760N	61.4510W	8	From 2009-11-01
Dominical	EDDO	Costa Rica	9.2530N	83.8640W	40	
Dominical, DOM	CSDOM	Costa Rica	9.2657N	83.8592W	44	From 2002-10-01 to 2003-03-15
Dominica, Moore Park	MDMP	Dominica	15.5958N	61.4115W	180	From 2010-01-27
Dominica, Pennville	MDPV	Dominica	15.6275N	61.4220W	320	From 2010-01-27
Dominica, Vielle Case	MDVC	Dominica	15.6142N	61.4055W	100	From 2009-12-17
Domo	DOMO	Ecuador	0.3033N	78.3592W	3600	From 1994-04-01 to 1994-08-31
Domodossola	DMD	Italy	46.1167N	8.3000E	280	
Domo (RI)	T1201	Italy	42.6573N	13.2508E	933	From 2016-08-24 to 2017-05-23
Dompierre	DOMF	Nord-Pas-de-Calais,France	50.1288N	3.8610E	145	
Domvrena, Viotia, Greece	DOMV	Greece	38.2569N	22.9795E	170	From 2021-07-29
Donald B. Munro Dr,	KB4O	Ontario,Canada	45.3743N	76.1633W	102	From 2013-10-01
Dona Remedios Trinidad, Bulacan	RTBP	Luzon	14.9717N	121.0712E	90	From 2016-09-16
Donaustauf	A356A	Germany	49.0371N	12.2138E	398	From 2015-10-23
Don Dixon Farm, Corydon	S46A	Kentucky,U.S.A.	37.6849N	87.7153W	125	From 2011-11-24
Dongducheon	KSDDC	Republic of Korea	37.9000N	127.0577E	112	From 2000-11-10
Donggala, Sulawesi Tengah	DOCM	Indonesia	0.6759S	119.7487E	50	From 2019-01-01
Donggo	DBNFM	Indonesia	8.0241S	118.5946E	745	From 2020-12-31
DONGHAE	KSTOH	Republic of Korea	37.5026N	129.1226E	40	From 2000-03-10
Donghe	EDH	Taiwan region	22.9725N	121.3039E	79	From 2014-07-28
Dong Hua	TQ00	Taiwan region	23.8978N	121.5508E	33	From 2017-10-21
Donghyang	DGHA	Republic of Korea	35.8352N	127.5711E	335	From 2018-03-09
Dongobesh	DONB	Tanzania,United Republic of Tanzania	3.9110S	35.2540E	1472	
Dongo Capesterre	DOG	Guadeloupe,France	16.0320N	61.6178W	460	
Dongola	DON	Missouri,U.S.A.	37.1760N	89.9330W	165	From 1974-07-10
Dongro	DGLA	Republic of Korea	36.7906N	128.2705E	453	From 2018-03-09
Dongshan	NDS	Taiwan region	24.6336N	121.7159E	150	From 2015-02-06
Dongshan	DSXP	Taiwan region	23.7082N	117.4260E	54	From 2012-11-02
Dongzhaishan	DHTZ	Taiwan region	25.5051N	118.2240E	556	From 2011-07-22
Donlin	L17K	Alaska,U.S.A.	62.1344N	158.2972W	338	From 2017-05-14
Don Marcelino, Davao Occidental, Philippines	DDMP	Mindanao,Philippines	6.1045N	125.7113E	100	From 2012-07-20
Donna J Jenkins	DJJ	California,U.S.A.	34.1062N	118.4551W	268	
Donnelly	H11A	Idaho,U.S.A.	44.7035N	116.0127W	1525	From 2006-10-27 to 2008-07-16
Donnelly Dome	K24K	Alaska,U.S.A.	63.8036N	145.7784W	724	From 2016-04-13
Donnelly Dome	DDM	Alaska,U.S.A.	63.7872N	145.8630W	920	From 1977-09-01
Donner Summit	DONR	California,U.S.A.	39.3517N	120.3205W	2268	
Donoratico (LI)	A318A	Italy	43.1210N	10.5732E	172	From 2015-11-17
Don Santos Ranch	CDSM	California,U.S.A.	37.9663N	122.2530W	109	From 1973-11-15
Donuzlav2	DNZ2	Crimea	45.3747N	33.2144E	0	From 2018-07-26
Doolan Road	CDOM	California,U.S.A.	37.7300N	121.8350W	198	From 1970-07-29
Doolan Road	DOO	California,U.S.A.	37.7300N	121.8350W	198	From 1970-07-29
Doongara	DNGQ	Queensland,Australia	20.5550S	146.4750E	280	From 1984-02-29
DOOR	DOOR	Bolivia	19.3535S	67.2221W	3749	From 1994-05-30 to 1995-08-08
Dopca	DOPR	Romania	45.9674N	25.3887E	526	From 2005-08-31
Dorado de Cascales	CASC	Ecuador	0.1368N	77.3390W	1029	From 2012-07-12
Dora Dora	DRAM	Victoria,Australia	35.9654S	147.3754E	230	
Dorbid, Yazd	DOBD	Iran	31.9903N	54.5118E	1495	From 2020-01-20
Dorchester	DRC	South Carolina,U.S.A.	33.1075N	80.3883W	20	
Dorgali Grotta	DGI	Sardinia,Italy	40.3182N	9.6067E	343	
Dorie	DORC	South Island,New Zealand	43.8968S	172.0938E	29	From 2005-11-18
Dorot	DOR	Israel	31.5090N	34.6860E	130	
Dorr	K46A	Michigan,U.S.A.	42.6864N	85.7834W	213	From 2012-09-09
Dortyol	DRTT	Turkey	36.8400N	36.2480E	45	From 1994-03-01
Dortyol-Hatay	DORT	Turkey	36.8260N	36.1967E	27	From 2011-09-01 to 2013-12-01
Doru	DORU	Jammu and Kashmir	33.5670N	75.2340E	1833	
Dos Bocas Dam	DOS	Puerto Rico	18.3294N	66.6789W	400	From 1974-08-16 to 1975-07-17
Dos Picos Cty Pk	DPP	California,U.S.A.	32.9986N	116.9415W	463	
Dos Rios de Upala	2RIO	Costa Rica,Costa Rica	10.5284N	85.2332W	619	
Dossenheim-sur-Zinsel	CIEL	Alsace	48.8326N	7.3637E	388	From 2015-01-01
Dosso, Cento (FE)	T0803	Italy	44.7668N	11.3508E	9	From 2012-05-21 to 2012-08-27
Dosso del Sommo	DOSS	Italy	45.8808N	11.1884E	1660	From 2011-12-12
Dosso del Sommo	DDS	Italy	45.8808N	11.1884E	1664	From 1982-01-01 to 2011-12-12
Dot Lake	DOT	Alaska,U.S.A.	63.6487N	144.0620W	671	From 1986-01-01
Dotsero, N06	NCR06	Colorado	39.7323N	107.0632W	1992	
Douar Al Jazira	M012	Morocco	34.7300N	5.4343W	227	
Douar Assehloun	M014	Morocco	33.9397N	3.8372W	924	
Douar Fergoug	OFRG	Algeria,Algeria	35.5191N	0.0408E	215	
Double 8 Ranch, Willits	P01C	California,U.S.A.	39.4690N	123.3375W	440	From 2005-08-24 to 2007-09-04
Double "B" Farms	T59A	Virginia,U.S.A.	36.9716N	77.5541W	63	From 2013-03-20
Double Butte	DB2	California,U.S.A.	33.7352N	117.0629W	591	
Double Diamond Ranch, Oakley	L13A	Idaho,U.S.A.	42.0886N	113.9444W	1482	From 2006-12-13 to 2008-08-07
Double Mountain	DBM	California,U.S.A.	34.9790N	118.3610W	1204	
Double T Ranch, Babb	A14A	Montana,U.S.A.	48.9725N	113.4218W	1420	From 2007-09-03 to 2009-08-13
Doubravka	DOUB	Czech Republic	49.2786N	14.3606E	492	From 2016-05-11
Doucen	CDCN	Algeria,Algeria	34.5866N	5.1195E	243	
Douera	ADOR	Algeria,Algeria	36.6600N	2.9170E	2252	
Douglas	319A	Arizona,U.S.A.	31.3757N	109.2809W	1187	From 2007-03-06 to 2010-05-28
Dougou, CM32	ACM32	Cameroon	10.6190N	14.3720E	379	
Douliou City	WDL	Taiwan region	23.7150N	120.5390E	41	From 1999-08-04
Douliu	WDLH	Taiwan region	23.6888N	120.5381E	69	From 2011-01-05
Dourbes	NE06	Belgium	50.0960N	4.5942E	225	From 1982-07-01 to 2001-07-28
Dourbes	DOU	Belgium	50.0960N	4.5950E	224	From 1982-07-01
Dover Castle, Kent	DOV	England	51.1270N	1.3239E	41	From 2017-05-01
Doverlandia	DVLD	Mato Grosso	16.6374S	52.1646W	548	From 2016-03-26
Dowerin	DOW	West Australia	31.0100S	116.9820E	300	
Downhole Baldwin Hills	DHB	California,U.S.A.	34.0175N	118.3850W		From 1973-03-01
Downie Pk Ridge	DPRB	British Columbia,Canada	51.5750N	118.1970W	2135	
Downie Slide	DOWB	British Columbia,Canada	51.5183N	118.5160W	594	
Downsview	DVO	Ontario,Canada	43.7833N	79.5167W	193	From 1975-08-01
Doxa, Greece	GR29	Greece	37.7042N	21.9225E	630	From 2022-10-05
Doyle Hill	DHN	New York,U.S.A.	42.8255N	78.1930W	491	
Doyleston	MKYD	South Island	43.7407S	172.3466E	11	
Doyon Strip	G27K	Alaska,U.S.A.	66.8088N	141.6549W	686	From 2016-07-23
Dozier	350A	Alabama,U.S.A.	31.4207N	86.3353W	109	From 2012-01-21
DQM	DQM	Oman	19.9289N	57.5393E	169	
Dracevica, Montenegro	DRME	Montenegro	42.1867N	19.1843E	300	From 2009-06-09
Drachov	A079A	Czech Republic	49.2288N	14.7074E	438	From 2015-10-15
Draeger Farm, Ripon	I42A	Wisconsin,U.S.A.	43.8908N	88.9134W	298	From 2011-09-28 to 2013-11-27
Dragan	DRR	Romania	46.7869N	22.7219E	955	From 1979-01-01 to 2004-03-05
Dragano-Lefkada	DRAG	Greece	38.6839N	20.5746E	348	From 2014-09-01
Dragasani	DRA	Romania	44.6786N	24.2561E	180	From 1978-01-01
Drage	N2B4	Norway	62.1190N	5.2430E	110	
Dragoon	218A	Arizona,U.S.A.	31.9737N	110.0464W	1486	From 2007-03-05 to 2009-01-20
Dragot	DRGI	Israel	31.5930N	35.3920E	12	
Drain, OR	I03D	Oregon,U.S.A.	43.6972N	123.3487W	140	From 2009-11-03
Drake	X35A	Oklahoma,U.S.A.	34.3995N	96.9731W	300	From 2010-04-18 to 2012-02-02
Drake Creek	DCID1	Idaho,U.S.A.	43.5945N	111.1845W	1871	
Drakei, Karlovasi, Samos	SAM2	Greece	37.7586N	26.6107E	305	From 2020-11-04
DRAMA	DRA2	Greece	41.1593N	24.1485E	110	From 2013-06-30
Dramaga	DBJI	Jawa,Indonesia	6.5538S	106.7497E	211	From 2005-01-01
Drama, Greece	GR02	Greece	41.1598N	24.1595E	238	From 2022-09-29
Draper Farm, Castleford	K12A	Idaho,U.S.A.	42.6360N	114.9029W	1091	From 2006-12-11 to 2008-07-25
Dreilaegerbach Talsperre	DREG	Nordrhein-Westfalen,Germany	50.6630N	6.2330E	390	From 2006-11-01
Drenchia	DRE	Italy	46.1733N	13.6433E	810	From 1982-12-20
Drepano	DRES	Greece	38.3197N	21.8532E	80	From 2021-02-25
Drewsey	I08A	Oregon,U.S.A.	43.9104N	118.5692W	1189	From 2006-07-23 to 2008-04-06
Drift River	DFR	Alaska,U.S.A.	60.5920N	152.6860W	1097	From 1988-08-15
Drohobych	PNT3S	Ukraine	49.2930N	23.5270E	334	From 2017-10-01
Drohobych	PNT4	Ukraine	49.2960N	23.5060E	340	From 2019-08-01
Drohobych	PNT5	Ukraine	49.3130N	23.5140E	341	From 2019-08-01
Dromana	DROM	Victoria,Australia	38.3482S	144.9598E	138	
Drossia	DRO	Greece	37.9523N	21.7104E	422	From 2009-07-16
Drummondville	DRMQ	Quebec	45.8987N	72.4749W	91	From 2019-06-26
Drum Mountains (BLM), Topaz	P14A	Utah,U.S.A.	39.5906N	113.0687W	1784	From 2007-06-12 to 2008-11-18
Drumtochty	EDR	Scotland,United Kingdom	56.9190N	2.5393W	388	From 1989-01-12
Druogno Cimitero	DIV11	Italia	46.1351N	8.4387E	894	From 2021-10-17 to 2025-12-31
Drury Creek, Yukon	M31M	Yukon Territory,Canada	62.2024N	134.3906W	639	From 2015-10-17
Dry Creek	DCI	Idaho,U.S.A.	43.9548N	111.0960W	2020	From 1974-06-01 to 1980-07-24

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Dry Creek	GDCM	California,U.S.A.	38.7672N	123.2400W	772	From 1975-05-07
Dry Creek	MDYM	California,U.S.A.	37.6580N	119.0122W	2789	
Dry Creek Basin, Modoc Natn. Forest, Alturas, CA USA	DRYC	California	41.5170N	120.3490W	1711	From 2021-06-01
Dry Ridge	DY-KY	Kentucky,U.S.A.	38.6497N	84.6433W	259	
Dry Ridge	DY-	Kentucky,U.S.A.	38.6497N	84.6433W	259	
Drytown Water District	ADWM	California,U.S.A.	38.4392N	120.8480W	251	From 1976-07-21
Dry Willow Peak	DWU	Utah,U.S.A.	38.1053N	112.9980W	2270	
DS10	DSI10	Israel	31.6010N	35.4000E	73	From 1993-01-01 to 1993-03-31
DS11	DSI11	Israel	31.8030N	35.5090E	-373	From 1993-01-01 to 1993-03-31
DS12	DSI12	Israel	31.7210N	35.4460E	9	From 1993-04-01 to 1993-11-30
DSDS2	DSDI2	Israel	31.1770N	35.4410E	-300	
DT-1b hole Ornavasso	DIV05	Italy	45.9832N	8.3988E	2	From 2023-09-12 to 2050-01-01
Duane Minner, Soldier	P35A	Kansas,U.S.A.	39.5286N	96.0188W	418	From 2010-05-16 to 2012-03-16
Duarte Ranch	DUC	California,U.S.A.	38.0297N	122.0010W	168	From 1971-04-28
Duba	DBAS	Saudi Arabia	27.2100N	35.9700E	452	
Dubbo College Senior Campus	AUDCS	New South Wales,Australia	32.2300S	148.6300E	276	From 2013-05-29
Dubki	DBC	Dagestan,Russia	43.0200N	46.8300E	900	
Dublin	DSB	Ireland	53.2452N	6.3762W	236	From 1993-12-01
Dublin Merrion Square	DMS	Ireland	53.3406N	6.2486W	5	From 1990-11-01 to 2002-01-06
DUBNA INFRASONIC ARRAY REFERENCE POINT	I43RU	Moskovskaya Oblast',Russia	56.7214N	37.2176E	120	From 2009-05-20
Dubrovnik	DBR	Croatia	42.6470N	18.0790E	68	
Dubrovnik	DBRK	Croatia	42.6691N	18.1469E	293	
Dubuque	DBQ	Iowa,U.S.A.	42.5067N	90.6833W	244	From 1962-01-01
Ducktown	DCT	Tennessee,U.S.A.	35.0542N	84.4194W	508	
Duckwater	Q11A	Nevada,U.S.A.	38.8455N	115.6541W	1562	From 2006-06-08 to 2008-09-11
Dudelange	DUDEL	Luxembourg	49.4733N	6.0815E	335	From 2021-04-26
Dudkovice	DUDC	Czech Republic	49.5854N	16.3371E	685	From 2020-09-01
Dugan Ranch, Towner	B28A	North Dakota,U.S.A.	48.4492N	100.3616W	451	From 2009-08-10 to 2011-07-16
Dugi Otok	DUGI	Croatia	43.9918N	15.0579E	299	
Dugi Otok	DUOK	Croatia	44.1131N	14.9318E	115	
Dugout Coal Mine	DCM	Utah,U.S.A.	39.6950N	110.5833W	2537	
Dugway, Tooele County	DUG	Utah,U.S.A.	40.1950N	112.8133W	1477	From 1962-05-09
Duhok	DHK1	Iraq	36.8606N	42.8665E	766	From 2007-01-03
Duke of York Island	DOY	New Britain,Papua New Guinea	4.2170S	152.3980E	1	From 1983-11-17
Duksan	DKSA	Republic of Korea	36.9044N	128.1455E	303	From 2018-03-09
Dulce	DNM	New Mexico,U.S.A.	36.9333N	106.9960W		
Dulce Nombre, Nicoya, Guanacaste	DUNO	Costa Rica	10.0791N	85.4937W	174	From 2010-06-17
Dullstroom, Mpumalanga	DULL	South Africa	25.3648S	30.1759E	2033	From 2017-05-17
Duluth	DUL	Minnesota,U.S.A.	46.8200N	92.0833W	340	From 1952-01-01 to 1961-12-31
Dulzura	DUZA	Baja California	32.6066N	116.7748W	555	
Duma, A3G86	M3G86	Mozambique	20.2907S	33.6515E	119	
Dumai Timur, Riau	DDSI	Indonesia	1.6675N	101.4602E	76	From 2019-01-01
Dumbleyung	DBYG	Western Australia	33.4321S	117.7333E	250	From 2020-07-27
Dumbraveni	DMBR	Romania	46.7629N	27.3455E	265	From 2020-11-04
Dumoine, Pontiac MRC	E53A	Quebec,Canada	46.3784N	77.6638W	355	From 2012-09-12
Dumont d'Urville	DRV	Terre Adelie	66.6650S	140.0090E	40	
Dun	DUNF	Midi-Pyrenees	43.0240N	1.8110E	390	From 2015-07-13
Dunai	DUYS	Sakha,Russia	73.9200N	124.4900E	5	From 1988-11-01 to 1995-02-01
Dundee	EDU	Scotland,United Kingdom	56.5475N	3.0142W	275	From 1969-01-01
Dunderburg Mountain	DBMY	New York,U.S.A.	41.2944N	73.9750W	27	
Dundo	DUNDO	Angola	7.4083S	20.8400E	719	From 2018-07-31
Dundo	DUN	Angola	7.4088S	20.8372E	709	From 1970-03-01
Dundret	DUNU	Sweden	67.1215N	20.5688E	500	From 2003-11-25
Dunedin	DNZ	South Island,New Zealand	45.8647S	170.5151E	15	From 1979-11-02 to 1991-08-31
Dunedin Civil Defence	DCDS	South Island	45.8743S	170.5022E	36	From 2002-09-06
Dunedin Corstorphine Substation	DUNS	South Island,New Zealand	45.9052S	170.4707E	121	From 1999-08-09
Dunedin GNS	DGNS	South Island,New Zealand	45.8626S	170.5139E	25	From 2002-06-09
Dunedin-Penfold	DND	South Island,New Zealand	45.8817S	170.5318E	100	From 1945-01-01 to 1983-10-31
Dunedin St Kilda Fire Station	SKFS	South Island	45.8986S	170.5097E	9	From 2002-06-08
Dungji	WDGT	Taiwan region	23.2600N	119.6600E	33	
Dungshr Township	TWDS	Taiwan region	24.2600N	120.8310E	367	From 2001-04-10
Dunmovintown East	DTEM	California,U.S.A.	36.0975N	117.9258W	1152	
Dunnerdale	CDU1	England,United Kingdom	54.3362N	3.1952W	355	From 1992-01-01
Dunnigan Hills	NDHM	California,U.S.A.	38.7655N	121.9120W	69	
Dunn Peak	DPI	Idaho,U.S.A.	47.2887N	116.8990W	1709	
Dunn Ranch,Anza	DNR	California,U.S.A.	33.5667N	116.6306W	1274	From 2001-10-22
Dunphy	N10A	Nevada,U.S.A.	40.7186N	116.5080W	1392	From 2006-05-02 to 2008-08-15
Dunsandel	SKTD	South Island	43.6822S	172.2015E	66	
Dunsandel School	DSLC	South Island,New Zealand	43.6675S	172.1979E	68	From 2005-04-12
Dunsink Observatory	DDK	Ireland	53.3869N	6.3392W	85	From 1977-04-01 to 2002-01-06
Dunstable	K63A	New Hampshire,U.S.A.	42.6888N	71.5283W	68	From 2013-09-08
Duppenweiler	DUP	Rheinland-Pfalz,Germany	49.4113N	6.7863E	278	
Dupree	G27A	South Dakota,U.S.A.	45.3791N	101.9310W	761	From 2009-06-25 to 2011-05-26
Duragan	DGT	Turkey	41.4258N	35.0655E	255	From 1976-09-01
Durango	DR-	Colorado,U.S.A.	37.4647N	107.7833W	2225	From 1961-10-01 to 1964-12-30
Durango	DR-CO	Colorado,U.S.A.	37.4647N	107.7833W	2225	From 1961-10-01 to 1964-12-30
Durango	DGC	Colorado,U.S.A.	37.2625N	107.8990W	2340	From 1970-01-01 to 1972-11-30
Durant	Y36A	Oklahoma,U.S.A.	33.8996N	96.2848W	186	From 2010-04-26 to 2012-02-08
Durant	DU-OK	Oklahoma,U.S.A.	34.0364N	96.2178W	198	From 1963-08-14 to 1964-03-09
Durant	DU-	Oklahoma,U.S.A.	34.0364N	96.2178W	198	From 1963-08-14 to 1964-03-09
Durate Ranch	CDUM	California,U.S.A.	38.0297N	122.0010W	168	From 1971-04-28
Duren	BA11	Nordrhein-Westfalen,Germany	50.7666N	6.5010E	138	From 2006-10-01
Durgaprasadpur, Orissa	DRPR	India	20.1000N	84.4400E	240	From 2018-07-16
Durham	DUR	England,United Kingdom	54.7684N	1.5850W	103	
Durham (NH)	DNH	New Hampshire,U.S.A.	43.1225N	70.8948W	24	From 1976-01-01
Durham Road	DREZ	North Island,New Zealand	39.1888S	174.2010E	272	From 2008-03-04
Durika	DRK0	Costa Rica	9.2630N	83.2450W	1475	
Durkee	H09A	Oregon,U.S.A.	44.6653N	117.6643W	1263	From 2006-07-29 to 2008-07-12
Durlach	DURL	Germany	48.9961N	8.4819E	207	From 1905-01-01 to 1908-01-01
Durlach TMO44	A126A	Germany	48.9894N	8.4921E	182	From 2015-07-01
Duronia	DUI	Italy	41.6589N	14.4581E	918	
Durres	DURR	Albania	41.3199N	19.4573E	10	From 2015-01-15
Dursunbey	DRB	Turkey	39.5811N	28.6374E	620	From 1970-08-01 to 1975-10-22
Dursunbey	DURS	Turkey	39.6011N	28.4742E	960	From 2007-05-29
Dursunbey	DST	Turkey	39.6040N	28.6191E	685	From 1975-10-22
D'Urville Island	DIW	South Island,New Zealand	40.8005S	173.9222E	460	From 1990-04-18 to 2004-06-09
D'Urville Island	DUWZ	South Island,New Zealand	40.8017S	173.9217E	484	From 2003-12-10
Drwiss	BA30	Nordrhein-Westfalen	50.8425N	6.2781E	157	From 2020-12-01
Dushanbe	DSH	Tajikistan	38.5583N	68.7750E	847	
Dusheti	DSHG	Georgia	42.0000N	44.7180E	1156	From 2021-08-04
Dusheti	DUS	Georgia,Georgia	42.0902N	44.7019E	946	From 1953-01-01
Dusing	DSN	New York,U.S.A.	42.8443N	78.1803W	412	From 1971-07-01 to 1976-01-16
Dusty Glacier	YUK7	Yukon Territory,Canada	60.5307N	138.1399W	1992	From 2010-08-24
Dusun Selatan, Kalimantan Tengah	DBKI	Indonesia	1.6792S	114.9079E	32	From 2019-01-01
Dutch Harbor	DHA	Alaska,U.S.A.	53.8950N	166.5330W		
Dutch Harbor	DUT	Alaska,U.S.A.	53.8983N	166.5370W	60	
Dutton Round Hill	DT1	Alaska,U.S.A.	55.1075N	162.2808W	210	From 1996-08-01
Dutton South Flank	DTNA	Alaska,U.S.A.	55.1493N	162.2520W	366	From 1996-08-01
Duxbury	DXB	Massachusetts,U.S.A.	42.0610N	70.6992W	8	
Duxbury	DUX	Massachusetts,U.S.A.	42.0686N	70.7678W	27	From 1976-10-01
Duynefontein DA30, Cape Town	DUYN2	South Africa	33.6647S	18.4306E	36	From 2023-04-06
Duynefontein DA90, Cape Town	DUYN3	South Africa	33.6648S	18.4306E	-23	From 2023-04-06
Duynefontein SA30, Cape Town	DUYN5	South africa	33.6572S	18.4266E	30	From 2023-04-06
Duynefontein SA90, Cape Town	DUYN6	South Africa	33.6572S	18.4266E	-71	From 2023-04-06
Duynefontein Surface, Cape Town	DUYN1	South Africa	33.6647S	18.4305E	57	From 2023-04-06
Duynefontein Surface SA, Cape Town	DUYN4	South Africa	33.6572S	18.4266E	52	From 2023-04-06
Dzce	YIGI	Turkey	40.9631N	31.4485E	353	From 2013-01-30
Dweir	DWR	Lebanon	33.3855N	35.4013E	420	
Dwight	DTN	Nebraska,U.S.A.	41.0217N	97.0358W	464	From 1980-08-25
Dye2	DY2G	Greenland	66.4740N	46.2639W	2110	From 2000-05-01
Dyer Hill	DHW	Washington,U.S.A.	47.9605N	119.7690W	850	From 1975-06-01
Dyer Hill 2	DHW2	Washington,U.S.A.	47.9853N	119.7700W	884	
Dyersburg	DRTN	Tennessee,U.S.A.	36.1370N	89.3650W	137	From 1989-08-08
Dyersburg	DY1	Tennessee,U.S.A.	36.1917N	89.3917W	120	From 1969-01-01 to 1970-12-31
Dylym	DLMR	Dagestan,Russia	43.0700N	46.6300E	420	
Dyngjuhals	IDYN	Iceland	64.7909N	17.3663W	1209	From 2011-09-29
Dyngjujokull	IDJK	Iceland	64.5041N	17.2357W	1683	From 2014-08-17
Dzhafr	DZH	Tajikistan	39.1000N	70.5833E	1650	
Dzhankel'dy	DZN	Uzbekistan	40.8500N	63.3400E	211	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Dzherino	DZET	Tajikistan	38.8055N	68.8270E	1200	From 2010-02-23
Dzherino	DZE	Tajikistan	38.7800N	68.8300E		
Dzhirgatal'	DZT	Tajikistan	39.2200N	71.2200E		
Dzhizak	DZI	Uzbekistan	40.1154N	67.8231E	383	
Dziouia	ODZI	Algeria	35.2900N	1.2300W	293	From 2005-01-01
E01	E01	East of Mariana Islands	18.1962N	149.4799E	-5381	
E02	E02	East of Mariana Islands	18.0186N	149.4456E	-4969	
E0210 Rd and N2420 Rd, Alva	OK035	Oklahoma,U.S.A.	36.7082N	98.7097W	485	From 2015-12-18
E03	E03	East of Mariana Islands	17.8402N	149.4120E	-5200	
E0350 and S34600 Roads, Ralston	OK051	Oklahoma,U.S.A.	36.5052N	96.8360W	263	From 2016-09-11
E04	E04	East of Mariana Islands	17.6718N	149.3773E	-5297	
E0420 Rd and N3200 Rd	OK049	Oklahoma,U.S.A.	36.4069N	97.3044W	327	From 2016-09-09 to 2016-11-08
E05	E05	East of Mariana Islands	17.5037N	149.3445E	-5339	
E06	E06	East of Mariana Islands	17.3372N	149.3133E	-5334	
E07	E07	East of Mariana Islands	17.1697N	149.2783E	-5384	
E08	E08	East of Mariana Islands	17.0010N	149.2481E	-5460	
E09	E09	East of Mariana Islands	16.8342N	149.2151E	-5272	
E11	E11	East of Mariana Islands	16.4855N	149.1485E	-4450	
E12	E12	East of Mariana Islands	16.3106N	149.1148E	-4964	
E1X	E1X	Baja California	32.4780N	115.6390W	6	
E2X	E2X	Baja California	32.4083N	115.7008W	0	
e3183	WP22	Namibia	19.8847S	13.9487E	908	From 2011-05-15
e3369	WP04	Namibia	21.2304S	14.9014E	863	From 2010-10-26
e3371	WP05	Namibia	20.5439S	14.4625E	604	From 2010-10-27
e3372	WP08	Namibia	19.8747S	12.9770E	6	From 2010-11-01
e3376	WP21	Namibia	19.6217S	14.8483E	1233	From 2010-10-30
e3380	WP02	Namibia	21.3047S	14.4751E	677	From 2010-10-25
e3381	WP01	Namibia	21.3520S	15.4405E	960	From 2010-10-24
e3382	WP06	Namibia	20.2142S	15.0128E	1080	From 2010-10-28
e3385	WP20	Namibia	18.6871S	14.9460E	1139	From 2010-11-15
E3X	E3X	Baja California	32.3453N	115.6198W	-2	
E4X	E4X	Baja California	32.3007N	115.7948W	36	
E5X	E5X	Baja California	32.4327N	115.8068W	66	
E6X	E6X	Baja California	32.2307N	115.6925W	0	
Eade Ranch	EADB	California,U.S.A.	35.8952N	120.4229W	254	
Eads	R27A	Colorado,U.S.A.	38.2859N	102.7980W	1201	From 2008-12-08 to 2010-11-07
Eagle	P22A	Colorado,U.S.A.	39.5952N	106.7589W	2170	From 2008-06-22 to 2010-06-15
Eagle	EGC	Colorado,U.S.A.	39.6525N	106.8280W	2010	From 1970-01-01 to 1972-11-30
Eagle	EGAK	Alaska,U.S.A.	64.7774N	141.1581W	296	From 2006-08-18
EAGLE 6TD - XM, 1306	E1306	Ethiopia	8.0494N	39.6922E	2549	
Eagle Butte	EBS	South Dakota,U.S.A.	44.9998N	101.2320W	735	From 1972-05-01
Eagle Creek	ECR	Idaho,U.S.A.	43.0540N	111.3710W	2086	
Eaglecrest	R32K	Alaska,U.S.A.	58.2747N	134.5181W	386	From 2016-08-21
Eagle Field, Dos Palos	T05C	California,U.S.A.	36.8953N	120.6737W	46	From 2005-02-14 to 2007-09-03
Eagle Flat	EF-TX	Texas,U.S.A.	31.1764N	105.1300W	1433	From 1962-01-25 to 1962-05-03
Eagle Flat	EF-	Texas,U.S.A.	31.1764N	105.1300W	1433	From 1962-01-25 to 1962-05-03
Eagle Ford 01	EF01	Texas,U.S.A.	29.1281N	98.3804W	173	From 2017-07-19
Eagle Ford 04	EF04	Texas,U.S.A.	29.2100N	97.7899W	116	From 2017-12-19
Eagle Lake	637A	Texas,U.S.A.	29.4390N	96.3324W	45	From 2010-05-24 to 2011-11-06
Eagle Lake Field Station, Susanville	ELFS	California,U.S.A.	40.6183N	120.7279W	1553	From 2005-05-20 to 2007-10-09
Eagle Lake Youth Camp, Lassen County, CA USA	EAGL	California	40.8424N	121.0495W	1734	From 2019-09-01
Eagle Mountain	EAG	California,U.S.A.	33.8490N	115.4730W	366	From 1974-11-01 to 2002-12-20
Eagle Mountain	MT2	Texas,U.S.A.	30.8990N	105.0800W	2088	From 1977-03-01 to 2003-01-28
Eagle Plains	EPYK	Yukon Territory,Canada	66.3701N	136.7191W	717	From 2012-10-10
Eagle's Nest	EGN	New York,U.S.A.	43.8595N	74.4818W	549	From 1971-09-01 to 1983-10-31
Eagleton	EGMT	Montana,U.S.A.	48.0240N	109.7547W	1055	From 2005-11-17
Eaglette Bearden	Y41A	Arkansas,U.S.A.	33.8807N	92.6113W	99	From 2011-05-06 to 2013-02-15
EAH	EAH	Morocco	31.6480N	9.5850W	180	
Earlville	K58A	New York,U.S.A.	42.7633N	75.6473W	509	From 2013-08-29
Early Branch	157A	South Carolina,U.S.A.	32.6780N	80.9972W	21	From 2013-02-25
Early Rise 101	ER101	Ontario,Canada	47.9297N	83.1364W	457	
Early Rise 102	ER102	Ontario,Canada	48.1019N	82.6036W	457	
Early Rise 103	ER103	Ontario,Canada	48.2264N	82.1694W	305	
Early Rise 104	ER104	Ontario,Canada	48.3378N	81.7542W	396	
Early Rise 105	ER105	Ontario,Canada	48.4878N	81.2706W	305	
Early Rise 106	ER106	Ontario,Canada	48.5383N	80.7681W	274	
Early Rise 107	ER107	Ontario,Canada	48.5386N	80.2775W	305	
Early Rise 108	ER108	Ontario,Canada	48.5333N	79.8642W	457	
Early Rise 109	ER109	Quebec,Canada	48.7975N	79.3572W	290	
Early Rise 110	ER110	Quebec,Canada	48.8636N	78.8636W	305	
Early Rise 111	ER111	Quebec,Canada	48.6225N	78.3106W	305	
Early Rise 112	ER112	Quebec,Canada	48.6964N	77.9039W	320	
Early Rise 113	ER113	Quebec,Canada	48.8361N	77.4203W	290	
Early Rise 114	ER114	Quebec,Canada	49.1194N	77.0067W	305	
Early Rise 115	ER115	Quebec,Canada	49.3811N	76.5378W	305	
Early Rise 116	ER116	Quebec,Canada	49.5914N	76.0267W	305	
Early Rise 117	ER117	Quebec,Canada	49.8236N	75.6000W	305	
Early Rise 118	ER118	Quebec,Canada	49.8206N	75.1281W	381	
Early Rise 119	ER119	Quebec,Canada	49.7906N	74.6381W	381	
Early Rise 120	ER120	Quebec,Canada	49.9247N	74.2583W	396	
Early Rise 201	ER201	Quebec,Canada	49.5947N	74.2772W	381	
Early Rise 202	ER202	Quebec,Canada	49.3533N	74.0381W	46	
Early Rise 203	ER203	Quebec,Canada	49.1858N	73.6717W	381	
Early Rise 204	ER204	Quebec,Canada	49.0400N	73.3633W	381	
Early Rise 205	ER205	Quebec,Canada	48.8747N	72.9336W	351	
Early Rise 207	ER207	Quebec,Canada	48.5564N	72.3456W	123	
Early Rise 208	ER208	Quebec,Canada	48.4097N	71.9767W	137	
Early Rise 209	ER209	Quebec,Canada	48.4856N	71.6039W	168	
Early Rise 210	ER210	Quebec,Canada	48.3447N	71.1464W	152	
Early Rise 211	ER211	Quebec,Canada	48.2758N	70.7978W	274	
Early Rise 212	ER212	Quebec,Canada	48.1725N	70.2931W	183	
Early Rise 213	ER213	Quebec,Canada	48.0150N	70.0728W	244	
Early Rise 215	ER215	Quebec,Canada	47.8044N	69.4231W	152	
Early Rise 216	ER216	Quebec,Canada	47.6272N	69.0097W	290	
Early Rise 217	ER217	Quebec,Canada	47.4864N	68.6633W	366	
Early Rise 218	ER218	New Brunswick,Canada	47.4047N	68.3417W	175	
Early Rise 219	ER219	New Brunswick,Canada	47.2181N	67.9167W	183	
Early Rise 220	ER220	New Brunswick,Canada	47.0175N	67.7278W	173	
Early Rise 221	ER221	New Brunswick,Canada	46.9122N	67.3647W	213	
Early Rise 222	ER222	New Brunswick,Canada	46.8806N	66.9761W	442	
Early Rise 223	ER223	New Brunswick,Canada	46.8133N	66.6133W	396	
Early Rise 224	ER224	New Brunswick,Canada	46.5922N	66.2322W	122	
Early Rise 225	ER225	New Brunswick,Canada	46.5383N	65.8464W	31	
Early Rise 226	ER226	New Brunswick,Canada	46.3369N	65.5950W	46	
Early Rise 227	ER227	New Brunswick,Canada	46.1961N	65.1625W	61	
Early Rise 228	ER228	New Brunswick,Canada	46.1475N	64.9058W	152	
Early Rise 229	ER229	New Brunswick,Canada	46.0150N	64.5211W	76	
Early Rise 230	ER230	New Brunswick,Canada	45.9686N	64.1742W	46	
Early Rise 231	ER231	Nova Scotia,Canada	45.8667N	63.8197W	15	
Early Rise 232	ER232	Nova Scotia,Canada	45.7489N	63.4486W	31	
Early Rise 234	ER234	Nova Scotia,Canada	45.5922N	62.7147W	76	
Early Rise 235	ER235	Nova Scotia,Canada	45.5986N	62.3006W	61	
Early Rise 236	ER236	Nova Scotia,Canada	45.5822N	61.9044W	15	
Early Rise 237	ER237	Nova Scotia,Canada	45.6264N	61.5583W	46	
Early Rise 238	ER238	Nova Scotia,Canada	45.6239N	61.2200W	23	
Early Rise 239	ER239	Nova Scotia,Canada	45.6617N	60.8392W	15	
Early Rise 241	ER241	Nova Scotia,Canada	46.0281N	60.2061W	76	
Early Rise 242	ER242	Nova Scotia,Canada	46.1606N	59.9367W	15	
Early Rise 300	ER300	Pennsylvania,U.S.A.	40.4617N	80.1806W	287	
Early Rise 301	ER301	Pennsylvania,U.S.A.	40.2869N	79.9494W	311	
Early Rise 302	ER302	Pennsylvania,U.S.A.	40.0783N	79.7703W	317	
Early Rise 303	ER303	Pennsylvania,U.S.A.	39.8753N	79.5306W	616	
Early Rise 304	ER304	Maryland,U.S.A.	39.6958N	79.2636W	823	
Early Rise 306	ER306	West Virginia,U.S.A.	39.2528N	78.9119W	290	
Early Rise 307	ER307	West Virginia,U.S.A.	39.0336N	78.6531W	457	
Early Rise 308	ER308	Virginia,U.S.A.	38.8297N	78.4356W	270	
Early Rise 309	ER309	Virginia,U.S.A.	38.6222N	78.2317W	232	
Early Rise 310	ER310	Virginia,U.S.A.	38.3764N	78.0556W	122	
Early Rise 311	ER311	Virginia,U.S.A.	38.1644N	77.8139W	128	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Early Rise 312	ER312	Virginia,U.S.A.	37.9578N	77.5933W	67	
Early Rise 313	ER313	Virginia,U.S.A.	37.7381N	77.4308W	64	
Early Rise 314	ER314	Virginia,U.S.A.	37.5247N	77.1858W	37	
Early Rise 315	ER315	Virginia,U.S.A.	37.2964N	76.9653W	18	
Early Rise 316	ER316	Virginia,U.S.A.	37.0883N	76.7550W	24	
Early Rise 317	ER317	Virginia,U.S.A.	36.8811N	76.5819W	18	
Early Rise 318	ER318	Virginia,U.S.A.	36.6356N	76.3594W	3	
Early Rise 319	ER319	North Carolina,U.S.A.	36.3908N	76.1642W	6	
Ear Mountain	EAM	Alaska,U.S.A.	65.9193N	166.2420W	700	
Earnscleugh	EAZ	South Island,New Zealand	45.2311S	169.3083E	350	From 2004-11-01
Earth Gupiles	EGUB	Costa Rica	10.2120N	83.5900W	46	
Earthquake Lake	QLMT	Montana,U.S.A.	44.8307N	111.4300W	2064	From 1994-09-09
EASTA	EASTA	Nevada	37.1208N	116.0079W	1486	From 2017-11-02
East Anglia University	AEU	England,United Kingdom	52.6201N	1.2347E	15	
East Aurora	EAN	New York,U.S.A.	42.7686N	78.6192W	282	
East Aurora area, Hawthorne	TVH3	Nevada,U.S.A.	38.3548N	118.8199W	2071	
EASTB	EASTB	Nevada	37.1238N	115.9878W	1421	From 2017-11-27
East Bangong	ST18A	Xizang Zizhiqu,China	31.9747N	89.2051E	4611	From 1998-07-24 to 1998-08-16
East Boqe	ST06	Xizang Zizhiqu,China	31.1243N	90.0972E	5084	From 1998-07-16 to 1999-06-01
Eastbourne	TEB	England,United Kingdom	50.8188N	0.1459E	70	From 1989-01-01
East Braintree	EB-MT	Manitoba,Canada	49.6278N	95.6222W	312	From 1963-08-06 to 1964-08-12
East Braintree	EB-	Manitoba,Canada	49.6278N	95.6222W	312	From 1963-08-06 to 1964-08-12
Eastbrook	H65A	Maine,U.S.A.	44.6961N	68.2469W	98	From 2013-09-16
EASTC	EASTC	Nevada	37.1220N	115.9694W	1470	From 2017-11-27
East Cape	ECZ	North Island,New Zealand	37.6919S	178.5464E	40	From 1934-10-01 to 1985-07-26
East Cape Lighthouse	ECLS	North Island	37.6888S	178.5482E	197	From 2016-04-09
East Claridon	CECL	Ohio,U.S.A.	41.5470N	81.1020W	362	
East Dome	ESD	Washington,U.S.A.	46.1973N	122.1500W	1609	
East End Reserv.	EASTN	Queensland,Australia	23.8641S	150.9647E	139	
East Entrance	YPEE	Wyoming,U.S.A.	44.4905N	110.0010W	2134	
Easter Island	EIC	Easter Island,Chile	27.1581S	109.4340W	42	
EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	CEIPO	Easter Island,Chile	27.1273S	109.3627W	163	From 2005-03-17
East Falkland Island	EFI	Falkland Islands	51.6753S	58.0637W	110	
East Helena	E16A	Montana,U.S.A.	46.5336N	111.6764W	1398	From 2007-09-12 to 2009-07-13
East Kanab	EKU	Arizona,U.S.A.	37.0747N	112.4968W	1829	
East Lansing	LNSM	Michigan,U.S.A.	42.7310N	84.4770W	256	
East London,Eastern Cape	ELDON	South Africa	32.8810S	27.7113E	371	From 2021-09-10
East Machias	EMMT	Maine,U.S.A.	44.7833N	67.3533W	33	From 1932-07-01 to 1940-12-31
East Machias	EMM	Maine,U.S.A.	44.7392N	67.4894W	20	
East Machias	EMMW	Maine,U.S.A.	44.7075N	67.4573W	35	
East Mammoth Hills	MEMM	California,U.S.A.	37.6660N	118.9398W	2473	
East Mesa	EMSC	California,U.S.A.	32.7392N	114.9852W	11	
EAST OF PEDERNALES	EC06	Ecuador	0.0619N	79.9958W	56	From 2016-05-14
EAST OF QUINDE	EC05	Ecuador	0.3183N	79.3625W	133	From 2016-05-13
East of Rte 461 near Challis	ID03	Idaho,U.S.A.	44.4535N	113.8790W	1878	From 2014-06-25 to 2014-09-25
East Pahranagat Range	EPR	Nevada,U.S.A.	37.1687N	115.1864W	1305	From 1979-01-23 to 2002-10-10
East Prairie	EPRM	Missouri,U.S.A.	36.7173N	89.3583W	88	
East Promontory	EPU	Utah,U.S.A.	41.3915N	112.4090W	1436	From 1975-09-01
east rand property ines	ERPM	Transvaal,South Africa	26.3433S	28.2418E	1611	From 2006-05-23
East Ridge	PQ1	Maine,U.S.A.	44.9035N	67.3271W	93	
East Ridge	ERMT	Montana,U.S.A.	45.9932N	112.4560W	1928	From 1984-01-01 to 1987-10-01
East Ridge Elementary School	EARN	Washington,U.S.A.	47.7400N	122.0400W	10	
Eastshore Drive Alameda	C058	California,U.S.A.	37.7564N	122.2258W	8	From 2012-02-16
Eastside	ESTR	Nevada,U.S.A.	38.0913N	118.3267W	2012	
East Tamaki Reservoir	ETAZ	North Island,New Zealand	36.9535S	174.9278E	-215	From 2010-02-12
East Tongariro	ETVZ	North Island,New Zealand	39.1357S	175.7106E	1236	From 2014-03-04
East Traverse Mountains	ETU	Utah,U.S.A.	40.4772N	111.8440W	1884	From 1974-07-01 to 1983-11-30
East Waterloo Road, Luther	OK023	Oklahoma,U.S.A.	35.7247N	97.1623W	291	
East Wide Canyon	EWC	California,U.S.A.	33.9372N	116.3822W	466	
East Wray Mesa	PV17	Colorado,U.S.A.	38.2799N	108.9595W	1991	
Easy	EASY	Turkey	40.8747N	28.9713E	8	From 2006-09-29
Eaton	STRT	Tennessee	35.9390N	89.0732W	79	From 1989-11-23 to 1990-09-24
Eatonton	ETG	Georgia,U.S.A.	33.2912N	83.3507W	137	From 1978-02-01
E Barbuda OBS	O6A	Barbuda,Antigua and Barbuda	17.7920N	61.0220W	-496	
Ebbets Pass	EBP	California,U.S.A.	38.5828N	119.8063W	2432	
Eben Emael	BEBN	Belgium	50.7965N	5.6772E	80	From 1986-04-01
Ebenezer Church	EBZ	Tennessee,U.S.A.	35.1410N	89.3510W	169	From 1980-05-15
EBOLI	EBO	Italy	40.5241N	15.0028E	270	From 2010-05-26
Ebreichsdorf	A004A	Austria	47.9629N	16.3968E	200	From 2015-11-02
Ebro Roquetas	EBRE	Spain	40.8228N	0.4940E	36	
Ebro Roquetas	EBR	Spain	40.8206N	0.4936E	50	
Ebsdorfer Grund, Hesen	EBSD	Hessen	50.7027N	8.8690E	374	From 2012-01-01
Ech Chlef	ECHF	Algeria	36.1562N	1.3403E	207	
Ech Chlef	ECHA	Algeria	36.1500N	1.3667E	0	
Echelle	ECG	Guadeloupe,France	16.0418N	61.6538W	1395	
Echery	ECH	Alsace,France	48.2158N	7.1583E	580	From 1967-10-31
Echo Falls	ECF	California,U.S.A.	34.4580N	119.0910W	1000	From 1975-11-01
Echo Lake	ELW	Washington,U.S.A.	47.4943N	121.8714W	267	
Echo Peak	EHN	Nevada,U.S.A.	37.2138N	116.3237W	2280	
Echo Peak	EPM	Nevada,U.S.A.	37.2266N	116.3346W	2221	From 1990-09-18 to 2002-12-10
Eclectic	150A	Alabama,U.S.A.	32.6067N	86.0220W	145	From 2012-01-18 to 2013-08-09
Ecole de Borzuat	SIEB	Switzerland	46.2955N	7.5351E	553	From 2012-01-27
Ecomontana	MONT	El Salvador	13.8577N	89.6472W	2054	
Ecseg	HU03A	Hungary	47.9038N	19.5997E	175	From 2019-05-30
Ecuado-Alausi-Hospital Civil	ALAH	Ecuador	2.2062S	78.8489W	2371	From 2012-01-24
Ecuador	ANGL	Ecuador	0.3929S	77.5444W	3360	From 1990-08-01
Ecuador-Atacames-Perla del penion casa Sr. Alberto Costa	AACC	Ecuador	0.8632N	79.8649W	13	From 2011-10-22
Ecuador-Atuntaqui-Hospital	AAT1	Ecuador	0.3304N	78.2146W	2418	From 2010-10-14
Ecuador-Azoguez-PUCE	AZOG	Ecuador	2.7536S	78.8478W	2461	From 2012-08-08
Ecuador-Chone-Fundacion Padre Fitzgeral	ACHN	Ecuador	0.6977S	80.0839W	18	From 2011-11-27
Ecuador-Coca-Secretaria de Gestion de Riesgos	ACOC	Ecuador	0.4395S	76.9983W	263	From 2016-03-31
Ecuador-Cuenca-Aeropuerto	ACNC	Ecuador	2.8943S	78.9917W	2534	From 2016-04-05
Ecuador-Cuenca-Rayo Loma Transelectric	ACUE	Ecuador	2.9098S	78.9588W	2578	From 2012-03-28
Ecuador-Esmeraldas-Balao Refineria	AES1	Ecuador	0.9613N	79.6906W	173	From 2012-09-05
Ecuador-Guamote-Cuerpo de Bomberos	AGMT	Ecuador	1.9350S	78.7080W	3039	From 2011-06-09
Ecuador-Guaranda-U.T. de Guaranda	AGRD	Ecuador	1.5713S	79.0058W	2850	From 2012-12-30
Ecuador-Guayaquil-Cerro 507	AC07	Ecuador	2.1516S	79.9836W	445	From 2016-05-06
Ecuador-Guayaquil-Estadio Unamuno	GYE2	Ecuador	2.1986S	79.8995W	8	From 2011-09-02
Ecuador-Guayaquil-Kennedy Transelectric	GYE3	Ecuador	2.1548S	79.8992W	10	From 2011-09-01
Ecuador-Guayllabamba-Cuerpo de Bomberos	GBMB	Ecuador	0.0649S	78.3584W	2124	From 2016-09-27
Ecuador-Huaquillas Colegio Municipal	AHUA	Ecuador	3.4820S	80.2310W	14	From 2016-06-30
Ecuador-Imbabura-Ibarra Cuerpo de Bomberos	AIB1	Ecuador	0.3466N	78.1254W	2208	From 2011-02-18
Ecuador-Imbabura-Lita	ALIT	Ecuador	0.7945N	78.3609W	1206	From 2015-12-03
Ecuador-Loja-Univ. Tecnica Particular de Loja	ALJ1	Ecuador	3.9885S	79.1988W	2114	From 2010-07-23
Ecuador-Macara	AMCR	Ecuador	4.3696S	79.9545W	532	From 2016-03-15
Ecuador-Macas Aeropuerto	AMCS	Ecuador	2.3024S	78.1202W	1031	From 2012-09-19
Ecuador-Machachi	AMAC	Ecuador	0.5406S	78.5819W	3064	From 2011-04-17
Ecuador-Machala-Colibri El Vergel	ACH2	Ecuador	3.2637S	79.8101W	103	From 2012-08-16
ECUADOR-MANABI-PORTOVIEJO-INSTITUTO NACIONAL PATRIMONIO CULTURAL	APDM	Ecuador	1.0568S	80.4500W	48	From 2017-06-24
Ecuador-Monte Verde-Cenaim Espol	AMTV	Ecuador	1.9556S	80.7285W	27	From 2012-05-17
Ecuador-Municipio El Carmen	ACRM	Ecuador	0.2718S	79.4519W	247	From 2016-04-08
Ecuador-Napo Ana Tenorio	APSY	Ecuador	0.9775S	78.2619W	3041	From 2016-03-09
Ecuador Network	MECU	Ecuador	0.5375S	78.2442W	4090	
Ecuador Network	PECU	Ecuador	0.3950S	78.6025W	3550	
Ecuador Network	IECU	Ecuador	0.4750S	78.3067W	3720	
Ecuador Network	AECU	Ecuador	0.2705S	78.4070W	3000	
Ecuador Network	GECU	Ecuador	0.3172S	78.1897W	4350	
Ecuador Network	BECU	Ecuador	0.4747S	78.5962W	3320	
Ecuador Network	CECU	Ecuador	0.4762S	77.8703W	2220	
Ecuador Network	RECU	Ecuador	0.6420S	78.4030W		
Ecuador-Perdenales	APED	Ecuador	0.0679N	80.0573W	15	From 2011-11-26
Ecuador-Portoviejo-DIRMOV CC.FF.AA.	APO2	Ecuador	1.0632S	80.4561W	45	From 2012-09-06
Ecuador-Portoviejo-UTM Jardin Botanico Estacin Inamhi	APO1	Ecuador	1.0376S	80.4596W	47	From 2012-09-06
Ecuador-Puerto Esmeraldas Inocar	AES2	Ecuador	0.9909N	79.6461W	1	From 2012-09-04
Ecuador-Quito-CDC San Antonio de Pichincha	SADP	Ecuador	0.0026S	78.4502W	2449	From 2015-07-17
Ecuador-Salcedo-Hospital Yerovi Mackuart	ASLC	Ecuador	1.0392S	78.5914W	2653	From 2010-12-30
Ecuador-Same-Casa blanca conjunto D'capri	ASAM	Ecuador	0.8427N	79.9152W	110	From 2012-08-31
Ecuador-San Lorenzo-Base Maritima Naval	ALOR	Ecuador	1.2925N	78.8470W	10	From 2011-10-20
Ecuador-Tababela-Aeropuerto Mariscal Sucre	AIMS	Ecuador	0.1157S	78.3619W	2359	From 2017-01-27

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ecuador-Tonsupa-conjunto Habitacional Cabaplan	ATON	Ecuador	0.8883N	79.8124W	10	From 2011-10-21
Ecuador-Trinitaria-Transelectric	GYE1	Ecuador	2.2507S	79.9099W	7	From 2011-09-01
Ecuador-Tulcan-Hospital Luis G. Davila	ATLC	Ecuador	0.8314N	77.7083W	2920	From 2016-06-14
Ecuador-Univ. Catolica Bahia de Caraquez	ABH2	Ecuador	0.6594S	80.3974W	37	From 2011-11-27
Ecuador-Universidad Tecnica de Babahoyo	ABAB	Ecuador	1.8005S	79.5123W	13	From 2012-07-25
Ecuador-Universidad Tecnica de Machala	ACH1	Ecuador	3.2874S	79.9103W	13	From 2012-08-15
Ecuador-Zamora	AZAM	Ecuador	4.0693S	78.9553W	940	From 2011-09-08
Edea	EDA	Cameroon	3.7789N	10.1534E	140	From 2019-03-28
Eden	EDEN	Ecuador	0.0367S	78.5212W	3270	
E. de Neily	DMCAL	Panama	8.6695N	82.7932W	645	
Eden Park BICEP	EPAZ	North Island,New Zealand	36.8755S	174.7436E	-343	From 2011-08-23
Edessa	EDE1	Greece	40.8040N	22.0507E	150	From 2008-10-01
Edgard	545A	Louisiana,U.S.A.	30.0441N	90.4894W	3	From 2011-03-11 to 2012-12-09
Edge Creek, AK	M27K	Alaska,U.S.A.	62.3579N	141.8780W	1536	From 2015-07-12
Edgecumbe	EDRZ	North Island,New Zealand	38.1065S	176.7393E	780	From 1993-03-10
Edge Oya	EO1	Svalbard,Norway	77.6583N	21.2167E	4	From 1977-01-01
Edgerton	M48A	Ohio,U.S.A.	41.4846N	84.7171W	258	From 2012-07-22
Edgewood	ED-	Michigan,U.S.A.	43.2556N	84.4114W	213	From 1965-12-02 to 1965-12-13
Edgewood	ED-MI	Michigan,U.S.A.	43.2556N	84.4114W	213	From 1965-12-02 to 1965-12-13
Edificio de Ingeniera Civil	CIVI	Ecuador	0.2118S	78.4912W	2850	From 2010-08-24
Edinburgh	EDI	Scotland,United Kingdom	55.9233N	3.1875W	125	
Edincik	EDC	Turkey	40.3468N	27.8634E	270	From 1972-12-03
Edincik	EDT	Turkey	40.3468N	27.8634E	270	From 1972-12-03
Edirne	EDRB	Turkey	41.8470N	26.7440E	209	
Edirne/Enez-Cavuskoy	CAVK	Turkey	40.6917N	26.1677E	97	From 2014-12-01
Edirne-Kesan	KESN	Turkey	40.8259N	26.6800E	3071	From 2010-11-11
Edison Barstow Service Cntr. Barstow	RRX	California,U.S.A.	34.8753N	116.9968W	439	From 2000-11-08
Edison CC	ECCO	Ohio,U.S.A.	40.1580N	84.2130W	274	
Edith	T22A	Colorado,U.S.A.	37.0138N	106.9030W	2224	From 2007-12-21 to 2010-02-07
Edith	EDIT	Tennessee,U.S.A.	35.8630N	89.5543W	148	
Edmonton	T49A	Kentucky,U.S.A.	37.1050N	85.5334W	313	From 2012-05-21
Edmonton	EDM	Alberta,Canada	53.2217N	113.3500W	730	From 1963-04-01
Edmundbyers	EDMD	England,United Kingdom	54.8312N	1.9636W	337	From 2011-10-04
Edmundston	EDUN	New Brunswick	47.3712N	68.3152W	199	From 2020-03-13
Edmundston	EBN	New Brunswick,Canada	47.4617N	68.2417W	195	From 1981-10-28
Edmundston, New Brunswick	EDMN	New Brunswick,Canada	47.4607N	68.2398W	186	From 2000-10-16
Edremit, Balıkesir	YAYO	Turkey	39.6114N	27.0726E	122	From 2019-03-20
Edson Butte	KEBM	Oregon,U.S.A.	42.8722N	124.3342W	818	
Edwards Air Force Base 2, Rosamond	EDW2	California,U.S.A.	34.8811N	117.9939W	772	From 2004-05-04
Edwards Air Force Base,Rosamund	EDW	California,U.S.A.	34.8830N	117.9911W	789	From 1990-03-15 to 2004-08-03
EDZO	EDZN	Northwest Territories,Canada	62.7272N	116.0990W	244	From 2011-07-15
Eel River Conservation Camp, Redway	O01C	California,U.S.A.	40.1398N	123.8195W	137	From 2005-08-25 to 2007-11-17
Eenrum	ENM2	Netherlands	53.4064N	6.4817E	-99	From 2010-01-22
Eenrum	ENM3	Netherlands	53.4064N	6.4817E	-149	From 2010-01-22
Eenrum	ENM1	Netherlands	53.4064N	6.4817E	-49	From 2010-01-22
Eenrum	ENM4	Netherlands	53.4064N	6.4817E	-199	From 2010-01-22
Eenrum	ENM	Netherlands	53.4076N	6.4823E	1	
Effingham	EFO	Ontario,Canada	43.0917N	79.3117W	168	From 1979-07-06
EFORIE	EFOR	Romania	44.0795N	28.6323E	30	From 2008-11-12
Efpalio	EFP	Greece	38.4269N	21.9058E	115	From 2006-08-03
Efringen	EFR	Baden-Wurttemberg,Germany	47.6653N	7.5637E	280	From 1984-12-01 to 2020-02-01
Ega'aton	GIF2	Israel	33.0030N	35.2230E	200	From 1993-05-01 to 1993-05-31
Eggersriet	SGT05	Switzerland	47.4418N	9.4559E	905	From 2012-01-15
Eggstetten, Simbach am Inn, Bavaria	A146A	Germany	48.2928N	12.9750E	464	From 2016-01-18
Egilsstadhir	EGI	Iceland	65.2833N	14.3833W	25	
Eglisau, Reservoir Grafenholz, ZH	QEG00	Switzerland	47.5814N	8.5373E	494	From 2016-10-14
Egridir - ISPARTA	BAGO	Turkey	37.9905N	30.7886E	958	From 2010-07-06
EGRIP Drilling camp	EGRIP	Greenland	75.6268N	35.9915W	2665	From 2015-06-01
Egvard	EGVZ	Armenia	39.2267N	46.5418E	1358	
Egvekinot, Chukotka	EGV	Magadanskaya Oblast',Russia	66.3230N	179.1270W	18	From 1990-01-01 to 1994-12-31
Egyhazaskeszo	EGYH	Hungary	47.4171N	17.3318E	225	From 2014-07-24
Eichelberg	A353A	Germany	49.5178N	10.5426E	415	From 2015-10-23
Eidsvold	EIDS	Queensland,Australia	25.3691S	151.0817E	216	From 2002-11-06
Eielson Array	NPO	Alaska,U.S.A.	64.7714N	146.8865W	419	
Eielson Array Beam Reference Point	ILAR	Alaska,U.S.A.	64.7714N	146.8866W	419	
Eielson Array Broadband	ILB	Alaska,U.S.A.	64.7714N	146.8866W	419	From 1993-07-01
Eielson Array Site 1	IL1	Alaska,U.S.A.	64.7716N	146.8860W	418	From 1993-07-01
Eielson Array Site 10	IL10	Alaska,U.S.A.	64.7529N	146.8431W	586	
Eielson Array Site 11	IL11	Alaska,U.S.A.	64.7415N	146.8974W	444	
Eielson Array Site 12	IL12	Alaska,U.S.A.	64.7447N	146.9436W	366	
Eielson Array Site 13	IL13	Alaska,U.S.A.	64.7479N	146.9865W	367	
Eielson Array Site 14	IL14	Alaska,U.S.A.	64.7750N	146.9794W	223	
Eielson Array Site 15	IL15	Alaska,U.S.A.	64.7777N	146.9428W	336	
Eielson Array Site 16	IL16	Alaska,U.S.A.	64.7933N	146.9215W	382	
Eielson Array Site 17	IL17	Alaska,U.S.A.	64.8072N	146.8898W	357	
Eielson Array Site 18	IL18	Alaska,U.S.A.	64.7575N	146.7768W	554	
Eielson Array Site 19	IL19	Alaska,U.S.A.	64.7461N	146.7974W	549	
Eielson Array Site 2	IL02	Alaska,U.S.A.	64.7847N	146.8643W	261	
Eielson Array Site 3	IL03	Alaska,U.S.A.	64.7714N	146.8512W	440	
Eielson Array Site 4	IL04	Alaska,U.S.A.	64.7570N	146.8761W	528	
Eielson Array Site 5	IL05	Alaska,U.S.A.	64.7731N	146.9229W	389	
Eielson Array Site 6	IL06	Alaska,U.S.A.	64.7792N	146.9040W	262	
Eielson Array Site 7	IL07	Alaska,U.S.A.	64.7993N	146.8393W	401	
Eielson Array Site 8	IL08	Alaska,U.S.A.	64.7903N	146.7969W	505	
Eielson Array Site 9	IL09	Alaska,U.S.A.	64.7681N	146.7832W	494	
Eigenji	JEG	Shiga,Japan	35.1353N	136.3905E	433	From 1996-01-01
Eightmile Canyon	EMI	Idaho,U.S.A.	44.0742N	112.9260W	1963	From 1992-01-01
Eighty Mile Beach, WA	CAAN	Western Australia	19.2643S	121.5129E	19	From 2019-08-23
Eilat	ELAT	Israel	29.5507N	34.9494E	34	From 2018-12-12
Eilat	HAMT	Israel	29.5470N	34.9640E	0	From 1987-06-01 to 1987-12-31
Eilat	YHRM	Israel	29.5860N	34.8780E	680	From 1993-01-01 to 1993-12-31
Eilot	ELOT	Israel	29.5822N	34.9639E	88	From 1984-01-01
Eilot, SHRT	SHRTI	Israel	29.5960N	34.9450E	134	From 1984-01-01 to 1988-03-31
Ein Gedi	ENGI	Israel	31.4690N	35.3940E	-321	
Ein-Gev	ENGV	Israel	32.7815N	35.6384E	172	From 2018-02-14
Ein Harod, GVMR	GVMRI	Israel	32.5660N	35.4040E	95	From 1988-05-01 to 1996-01-31
Ein Ya'akov	GIF1	Israel	33.0090N	35.2390E	200	From 1993-05-01 to 1993-05-31
Ein Yahav	EYHV	Israel	30.6592N	35.2376E	-68	From 2018-06-18
Eisghbrachaidh	REB	Scotland,United Kingdom	58.1188N	5.2822W	100	From 1995-09-10
Ej. Águas Calientes	AGSX	Baja California	32.2658N	115.1610W	12	From 2007-12-01
Ej. Heriberto Jara	JARAX	Baja California	32.5370N	115.5810W	6	From 2015-06-17
Ejido Choropo, HJA	HJAMX	Baja California	32.5233N	115.5233W	18	
Ejido Heroes de la Independencia	HDI	Baja California	31.6150N	115.6016W	1078	From 1995-01-16
Ejido Nueno Leon	CPE2	Baja California	32.3825N	115.1997W	9	
Ejido Nuevo Leon	D09	Baja California	32.4275N	115.1740W	9	
Ejido Yucatan	YUC2X	Baja California	32.6054N	115.0940W	22	
Ejido Zacamoto, CPS	CPSMX	Baja California	32.3440N	115.2640W	9	
Ej. Ojos Negros	OJOX	Baja California	31.8572N	116.0985W	740	
Ej. Pescaderos	PESCX	Baja California	32.4330N	114.9640W	21	From 2015-06-24
Ej. Tamaulipas	TAMA	Baja California	32.5324N	115.2170W	16	From 2011-05-26
Ej. Tlaxcala, Mexicali	TLAX	Arizona	32.4480N	115.1090W	16	From 2013-05-22
Ej. Yucatn	YUCAX	Baja California	32.6054N	115.0940W	24	From 2015-06-22
Ekalaka	F24A	Montana,U.S.A.	45.8452N	104.4448W	1105	From 2008-11-15 to 2010-08-06
Ekati Mine	EKTN	Northwest Territories,Canada	64.6984N	110.6095W	469	
Eketahuna School	EKTS	North Island,New Zealand	40.6495S	175.7088E	243	From 2002-07-23
Ekimchan	EKMR	Khabarovskiy Kray,Russia	53.0700N	132.9500E	543	
Ekimyata	PR6R	Permskiy Kray,Russia	58.1658N	56.0925E	163	From 2006-11-08
Ekona	EKC	Cameroon	4.2100N	9.3269E	450	From 1984-12-01
Eksjoe	EKSU	Sweden	57.5726N	15.3016E	250	From 2002-05-04
El Abra	ABR	Veracruz,Mexico	19.8070N	96.5345W	520	
El Achiote	TENO	Costa Rica	10.7036N	84.9773W	651	From 2004-01-01
El Aguacate, Bahoruco	LONE3	Dominican Republic	18.6047N	71.4587W	1145	From 2018-04-18
Elaiones	ITS1	Greece	40.6250N	23.0121E	167	From 2015-07-30
El `Aiyat	AUT	Egypt	29.6660N	31.1800E		
Elanda	ELDR	Altayskiy Kray,Russia	51.2170N	86.0900E	472	
El Angel	ANGS	El Salvador	13.8000N	89.1917W	850	From 1991-12-01
El Angel-Carchi	LNGL	Ecuador	0.7403N	78.0032W	4003	From 2014-10-31
El Aouinet	M016	Morocco	34.3785N	2.1565W	1613	
El Apazote	APG	Guatemala	15.0040N	90.4643W	1880	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
El Aromo	ELAR	Ecuador	1.0499S	80.8341W	299	From 2017-09-22
El Aromo 1	ELA1	Ecuador	1.0581S	80.8345W	331	From 2021-11-14
Elat	EIL	Israel	29.6699N	34.9512E	210	From 1997-01-01
Elat	EIL2	Israel	29.6724N	34.9519E	200	From 2008-05-23
Elaudy	ELYF	Aquitaine,France	43.1700N	0.9917W	700	From 1985-02-01 to 1998-01-22
Elvisluoto, Pyhjoki	OBF1	Finland	64.4100N	24.0400E	25	From 2013-08-01
El Ayoun	AYNT	Tunisia	35.5737N	8.9292E	1100	
Elazig	ELZG	Turkey	38.4978N	38.9844E	1640	From 2002-04-25
Elazig	ELZ	Turkey	38.6894N	39.2064E	1180	From 1973-09-17 to 1974-05-31
Elazig	ELA	Turkey	38.6833N	39.2333E		
Elazig, Kovancilar-Tepebag	KOVA	Turkey	38.7057N	39.8126E	1101	From 2014-12-01
Elbasan	ELBAS	Albania	41.1161N	20.0799E	142	From 2014-10-29
El Baul	BAUV	Venezuela	8.9433N	68.0415W	106	
El Beisbol	MIN2	Colombia	4.3727N	75.7232W	1650	
EL BOTADO, WEST OF QUINDE	EC04	Ecuador	0.2899N	79.6141W	127	From 2016-05-13
El Cabril	EXCBR	Spain	38.0742N	5.4131W	426	
El Cabril	ECAB	Spain	38.0753N	5.4186W	520	
El Cacao, Veraguas	CACAO	Panama	7.3450N	80.8610W	27	From 2010-01-01
EL CAFE	CAFV	Venezuela	10.2649N	68.0541W	1060	From 2004-05-25
El Cajon	ECA	California,U.S.A.	32.8000N	116.9500W	135	From 1949-01-01 to 1999-08-25
El Cajuil, Oviedo	LOVI	Dominican Republic	17.7983N	71.3678W	34	From 2018-01-21
El Campo Drive San Jose	C041	California,U.S.A.	37.3757N	121.8261W	54	From 2010-07-08
El Canelo	CACH	O'Higgins,Chile	34.1169S	70.6000W	1300	From 1990-11-06
El Cardon	MOM2	Nicaragua	12.4372N	86.4845W	53	From 2015-09-15
El Carmen	VMM10	Colombia	6.7670N	73.7250W	165	From 2015-10-12
El Cayaco	CAIG	Guerrero,Mexico	17.0478N	100.2673W	80	
El Centro	ETC	Colombia	6.8625N	73.7694W	140	From 1975-01-31
El Centro	ECC	California,U.S.A.	32.7983N	115.5480W	-15	From 1956-11-28 to 1970-09-30
Elche	EXEL	Spain	38.2660N	0.6980W	108	
El Chinero	ECBX	Baja California,Mexico	31.4725N	115.0518W	40	From 1983-05-17
El Chorizo, N3	TUN3	Nicaragua	12.3069N	86.6447W	68	
El Cipres, CIP	CCIP	Mexico	31.8108N	116.5767W	78	
Elcito	EL6	Italy	43.3293N	13.1017E	978	From 2005-09-01
Elco	ELC	Illinois,U.S.A.	37.2850N	89.2270W	153	From 1974-07-19
Elcoad	IELO	Spain	42.8432N	1.2366W	819	From 2008-07-18
El Coco	LCOCO	Costa Rica,Costa Rica	10.0837N	83.5573W	204	
El Congo, B4	TUB4	Nicaragua	11.8812N	85.1218W	107	
El Consuelo, B3	TUB3	Nicaragua	12.2064N	85.4224W	156	
El Cortezo, Los Santos	CORT	Panama	7.4290N	80.6350W	155	From 2010-01-01
El Cristo, Cocle	CRIS3	Panama	8.2540N	80.6170W	72	From 2010-01-01
El Crucero	RA5A7	Managua,Nicaragua	11.9914N	86.3109W	926	From 2018-07-04
El Crucero	CRUN	Nicaragua	11.9833N	86.3000W	930	
Elda	EXED	Spain	38.4720N	0.7910W	407	
El Dabaa	DB3	Egypt	31.0378N	28.5482E	18	
Eldee	EEO	Ontario,Canada	46.6411N	79.0733W	398	From 1984-03-04
Eldivan	ELDT	Turkey	40.4900N	33.4269E	1596	From 1992-07-01
El Doctor, EDO	EDOMX	Sonora	31.9594N	114.7450W	14	
Eldon	D03D	Washington,U.S.A.	47.5347N	123.0894W	262	From 2010-08-25
Eldorado	EDMA	Misiones,Argentina	26.3635S	54.4305W	228	
El Dorado	EDK	Kansas,U.S.A.	37.7738N	96.7950W	418	From 1978-04-17 to 2001-07-15
Eldorado Mountains	EMN	Nevada,U.S.A.	35.9214N	114.7541W	785	From 1988-08-11 to 2002-10-10
Electric Lake	ELU	Utah,U.S.A.	39.6402N	111.2038W	2970	
El Ejido	EXEE	Spain	36.7750N	2.8130W	107	
El Ejido	EXEJI	Spain	36.7743N	2.8112W	109	
El Empalme, Bocas del Toro	CNI2	Panama	9.4240N	82.4710W	8	From 2010-01-01
Elena	ELND	Bulgaria	42.9287N	25.8751E	334	From 2012-11-20
Eleon	S024	Greece	38.3620N	23.4470E	235	
Elephant Butte, Truth or Consequences	Z22A	New Mexico,U.S.A.	33.2555N	106.9639W	1497	From 2008-04-11 to 2010-03-20
Eleskirt	EATA	Turkey	39.8622N	42.4916E	2770	From 2009-10-04
El Espartillar, Duverge	LODU1	Dominican Republic	18.3527N	71.4740W	123	From 2018-06-03
El Faro	LFRS	El Salvador	13.6233N	89.0617W	1000	From 1991-12-01
Elgin	L32A	Nebraska,U.S.A.	42.0045N	98.0080W	586	From 2010-07-18 to 2012-04-25
Elgin	H56A	Ontario,Canada	44.5930N	76.2594W	137	From 2012-11-17
Elginfield	ELFO	Ontario,Canada	43.1930N	81.3163W	298	From 2009-05-21
Elginfield	ELF	Ontario,Canada	43.1933N	81.3150W	320	From 1975-06-01
Elgin, New Brunswick	ELNB	New Brunswick,Canada	45.8543N	65.1510W	158	From 2012-07-25
El Golfo de Santa Clara	EGO	Sonora	31.6872N	114.4980W	8	
El Golfo de Santa Clara	EGM	Baja California,Mexico	31.6783N	114.4920W	5	From 1969-04-26
El Granada	JEGM	California,U.S.A.	37.5140N	122.4620W	202	From 1975-02-10
El Granado	EGRO	Spain	37.5342N	7.4831W	130	
El Guri	GURV	Venezuela	7.7600N	63.0850W	199	From 2003-05-15
Elham, Standardhill Farm (Kent)	ELSH	England,United Kingdom	51.1482N	1.1345E	126	From 2008-01-25
El Hato	EHV	Venezuela	8.8064N	70.8647W	3700	From 1974-01-01
El Hierro	CHIE	Canary Islands,Spain	27.7270N	17.9607W	170	From 1989-06-01
El Hierro	CTAN	Canary Islands,Spain	27.7544N	18.0543W	180	From 2011-07-01
El Hierro	CTIG	Canary Islands,Spain	27.7882N	17.9221W	53	From 2009-08-14
El Hiral	FRIJ	Panama	9.2220N	79.7260W	0	
El Hobo	HOBC	Colombia	4.3548N	76.1355W	1180	From 1987-01-01
El Hobo, HOBC	HOBC2	Colombia	4.3882N	76.1457W	1103	
El Horno	COMHN	Honduras	14.4428N	87.5562W	1714	From 2016-01-01
Elida	Y26A	New Mexico,U.S.A.	33.9232N	103.8246W	1371	From 2008-04-18 to 2010-03-10
Elidar	LYDE	Ethiopia	12.0545N	41.9257E	435	
Elifaz	ELFZ	Israel	29.7972N	35.0131E	135	From 2018-06-27
Elifaz, MTB	MTBI	Israel	29.7910N	34.9070E	842	From 1986-06-01 to 1988-03-31
Elim	ELIM	Cape Province,South Africa	34.5967S	19.7450E	472	From 2000-01-01
Elim	H16K	Alaska,U.S.A.	64.6379N	162.2390W	216	From 2017-07-21
Eliza Dome	EDB	British Columbia,Canada	49.8737N	127.1200W	189	
Elizondo	ELIZ	Spain	43.1639N	1.5285W	523	From 1992-12-03
El Julan, El Hierro	CJUL	Canary Islands,Spain	27.7296N	18.0823W	1282	From 2011-07-01
El Kantara	CKTS	Algeria,Algeria	35.2267N	5.6900E	671	
Elk Butte	EBI	Idaho,U.S.A.	46.8375N	116.1180W	1765	From 1987-01-01 to 2015-04-14
Elk Chute Ditch	ECD	Missouri,U.S.A.	36.0600N	89.9400W	79	From 1975-09-25 to 1992-02-29
Elk City	F12A	Idaho,U.S.A.	45.7565N	115.2547W	1442	From 2006-11-03 to 2009-06-15
Elk Creek	EKMT	Montana	47.3505N	112.5383W	1472	From 2018-08-23
El Kharrouba	AKED	Algeria,Algeria	36.6510N	3.4140E	178	
Elkhorn Farm, Martin	J27A	South Dakota,U.S.A.	43.2526N	102.0069W	1081	From 2009-08-01 to 2011-05-11
Elkhorn Ranch	BEHM	California,U.S.A.	36.6647N	121.1740W	342	From 1971-02-01
Elkhorn Ranch	EKH	California,U.S.A.	36.6647N	121.1740W	342	From 1971-02-01
Elkhorn Rd, Fairplay, N15	NCR15	Colorado	39.1850N	105.7582W	2887	
Elkhorn Road	HERM	California,U.S.A.	36.7983N	121.7110W	69	
Elko	EKO	Nevada,U.S.A.	40.8122N	115.7760W	1615	From 1969-11-12
Elko	ELK	Nevada,U.S.A.	40.7448N	115.2390W	2210	From 1968-11-01
Elko Archery Club, Elko	N11A	Nevada,U.S.A.	40.8167N	115.7360W	1643	From 2006-05-03 to 2008-08-13
Elk River	EKR	California,U.S.A.	40.6953N	124.1390W	49	From 1974-06-20
Elk Rock	ERK	Washington,U.S.A.	46.3056N	122.3410W	1270	
El Ksiba	KIB	Morocco	32.5760N	6.0390W	935	
Ellendale, Kimberley	KIM04	Western Australia	17.9287S	124.8110E	100	From 2021-08-03
Ellensburg	EL-WA	Washington,U.S.A.	46.9242N	120.7300W	975	From 1962-05-28 to 1962-06-28
Ellensburg	EL-	Washington,U.S.A.	46.9242N	120.7300W	975	From 1962-05-28 to 1962-06-28
Ellensburg	EBG	Washington,U.S.A.	46.9097N	120.5680W	805	
Ellenville	ELNV	New York,U.S.A.	41.5000N	74.4398W	323	
Ellicott	JELM	California,U.S.A.	36.9273N	121.8270W	85	
Ellicott City	ECM	Maryland,U.S.A.	39.2613N	76.8842W	140	
Ellicott, Santa Cruz County	JELB	California,U.S.A.	36.9274N	121.8276W	81	From 2006-07-19
Ellidaey	IELE	Iceland	63.4365N	20.1771W	80	
Elliot Lake	ELLO	Ontario,Canada	46.3832N	82.6639W	328	
Ellis	Q31A	Kansas,U.S.A.	39.0048N	99.3950W	680	From 2009-05-18 to 2011-03-20
El Lisan	LISJ	Jordan	31.2400N	35.4810E	-327	From 1990-02-23
Ellis County	ELIS	Oklahoma,U.S.A.	36.0652N	99.4180W	641	From 2016-04-07
Ellis Ranch, Medicine Bow	L22A	Wyoming,U.S.A.	42.0310N	106.4338W	2012	From 2007-11-26 to 2010-05-13
Ellisras	ERS	Transvaal,South Africa	23.6816S	27.7233E	840	From 1994-07-01 to 2003-11-21
Elliston	ELMT	Montana,U.S.A.	46.5222N	112.4945W	1981	From 1996-08-31
El Llanito	LLAV	Venezuela	10.4696N	66.8097W	875	From 1988-01-01
Ellsinore	EN-MO	Missouri,U.S.A.	36.8828N	90.5956W	152	From 1965-10-25 to 1966-02-25
Ellsinore	EN-	Missouri,U.S.A.	36.8828N	90.5956W	152	From 1965-10-25 to 1966-02-25
Ellsworth	ECT	Connecticut,U.S.A.	41.8346N	73.4113W	342	From 1976-01-28 to 1999-08-25
Ellsworth Farm, Hinsdale	B21A	Montana,U.S.A.	48.4278N	107.0166W	661	From 2008-09-05 to 2010-07-18
EL LUCERO, RIO SANCHEZ	LUCE	Ecuador	0.6602S	79.9499W	250	From 2016-05-22
Elm	EMA	Alabama,U.S.A.	33.2210N	87.4738W	92	From 1971-01-09

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Elma	ELM	New York,U.S.A.	42.8497N	78.6442W	216	From 1971-07-01 to 1976-07-28
El Madrono	MACN	Leon,Nicaragua	12.4658N	86.6748W	440	From 2016-01-27
El Madrono, N7	TUN7	Nicaragua	12.6358N	86.4942W	78	
Elmali	ELL	Turkey	36.7482N	29.9085E	1230	From 1973-11-29
EL MANGRULLO	NQ04	Neuquen	38.5360S	69.4330W	652	From 2023-03-01
El Manteco	GMV	Venezuela	7.3558N	62.5404W	248	
El Maslubiya	MASJ	Jordan	31.7290N	35.7183E	822	From 1983-09-01
El Mayor	EMX	Baja California,Mexico	31.9881N	115.2416W	10	From 1981-10-19
El Mayor, ELM	CELM	Mexico	32.9883N	115.2423W	28	
Elmendorf Base	EAFB	Alaska,U.S.A.	61.2335N	149.7718W	61	From 1994-06-24
Elmer	X32A	Oklahoma,U.S.A.	34.4214N	99.2854W	401	From 2009-10-25 to 2011-09-07
El Minia	TAMRE	Egypt	27.6821N	30.9175E	145	
El Mirage	ELMC	California,U.S.A.	34.5262N	117.6400W	986	
El Mirage 2	EL2	California,U.S.A.	34.5295N	117.5435W	1106	
Elmo	EO2TX	Texas,U.S.A.	32.6481N	96.1586W	158	
El Monte Cty Pk	EML	California,U.S.A.	32.8908N	116.8457W	161	
Elmore Ranch	ERRC	California,U.S.A.	33.1168N	115.8227W	-56	
Elmore Ranch	ELRC	California,U.S.A.	33.1475N	115.8334W	-97	
Elmsett, Ipswich	ELMS	England	52.0933N	0.9895E	74	From 2015-08-14
El Naranjo	PATR	Chiapas	15.1168N	92.2340W	1929	
El Nido	ENPP	Palawan,Philippines	11.2060N	119.4250E	27	
El Novillo Sonora	NOVRB	Baja California	28.9410N	109.6440W	287	From 2016-08-24
Elora Gorge	ELGO	Ontario,Canada	43.6755N	80.4374W	377	
Elorza	ELOV	Venezuela	7.0010N	69.4830W	105	From 2003-04-03
Eloszallas	PKB1	Hungary	46.7843N	18.7922E	28	From 2016-03-01
Eloy	116A	Arizona,U.S.A.	32.5618N	111.7042W	477	From 2006-03-20 to 2008-12-05
ELOY ALFARO	ELOY	Ecuador	0.3916S	80.0784W	140	From 2016-05-14
Elp	ENV	Netherlands	52.8953N	6.6338E	17	
El Palmar, Quitzaltenango	STG0	Guatemala	14.4265N	91.3421W	1459	
El Palmar, Quitzaltenango	STG8	Guatemala	14.4502N	91.3510W	1949	
El Palmar, Quitzaltenango	STG5	Guatemala	14.4034N	91.3484W	885	
El Palmar, Quitzaltenango	STG2	Guatemala	14.4369N	91.3754W	1191	
El Pangue	ELP	Valparaiso,Chile	33.2576S	71.2050W	680	From 1973-01-01
El Paraiso, N6	TUN6	Nicaragua	12.5658N	86.5324W	107	
El Paraiso, SANL	SANLC	Colombia	4.4603N	75.3992W	2200	
El Paso	EPT	Texas,U.S.A.	31.7717N	106.5060W	1186	From 1961-02-01
El Paso	EP-	Texas,U.S.A.	31.9328N	105.9667W	1615	From 1962-01-15 to 1962-05-04
El Paso	EP-TX	Texas,U.S.A.	31.9328N	105.9667W	1615	From 1962-01-15 to 1962-05-04
El Paso, La Palma	CENR	Canary Islands	28.6257N	17.8460W	1210	From 2017-10-10
El Paso, La Palma	CMIR	Canary Islands	28.6975N	17.8621W	1295	From 2017-11-07
EL PAUJM	PAUV	Venezuela	10.1803N	67.2414W	1259	From 2004-07-15
El Pedregal	CO03	Coquimbo	30.8389S	70.6891W	1003	From 2014-02-11
El Pedroso, Sevilla	E019	Spain	37.7160N	5.8788W	125	From 2007-09-23 to 2009-06-16
Elp / Enerveen	ENV4	Netherlands	52.8944N	6.6337E	-183	From 2009-12-04
Elp / Enerveen	ENV3	Netherlands	52.8944N	6.6337E	-133	From 2009-12-04
Elp / Enerveen	ENV2	Netherlands	52.8944N	6.6337E	-83	From 2009-12-04
Elp / Enerveen	ENV1	Netherlands	52.8944N	6.6337E	-33	From 2009-12-04
El Picacho	PIC2	El Salvador	13.7445N	89.2564W	1960	
El Pino	IIP	Mexico D.F.,Mexico	19.3469N	98.9180W	2650	
El Pital	PEIC	Colombia	4.8607N	75.7233W	2093	
El Prado	PRAV	Venezuela	9.2327N	70.8507W	662	
El Progreso, Chiriqui	PROG	Panama	8.4520N	82.8350W	26	From 2010-01-01
El Progreso Valle La Estrella Limon	LAES	Costa Rica	9.7623N	83.0486W	112	
El Quisco	ELQ	Valparaiso,Chile	33.3953S	71.6889W	50	From 1973-01-01 to 1975-03-28
El Ranchito	RANC	El Salvador	13.4341N	88.2886W	1248	
El Recreo	RREF	Colombia	4.9010N	75.3470W	4743	
El Retiro	RTR	El Salvador	13.8972N	89.6457W	1499	
El Rito	U23A	New Mexico,U.S.A.	36.3289N	106.1919W	2093	From 2008-05-21 to 2010-04-06
El Roble	ROC1	Santiago,Chile	32.9759S	71.0156W	2191	
El Roble	ROCH	Santiago,Chile	32.9719S	71.0111W	2000	From 1981-12-04
El Rosal	ROSC	Colombia	4.8400N	74.3200W	2987	From 1994-01-01
EL ROSAL, CUNDINAMARCA	CROSA	Colombia	4.8480N	74.3210W	2987	From 1994-07-08
El Rosal, ROS	EROSC	Colombia	4.8560N	74.3302W	3020	
El Salvador	ESC	Atacama,Chile	26.2300S	69.5100W	4700	
El Sauce Leon	AESN	Nicaragua	12.8882N	86.5400W	172	From 2015-08-29
El Segundo	ESGS	California,U.S.A.	33.9163N	118.4200W	-100	From 1982-04-01
Elsinore Mountain	ELS	California,U.S.A.	33.6478N	117.4270W	853	
El Socorro	ESGP	Trinidad and Tobago	10.6303N	61.4514W	2	From 2023-01-18
El Sosneado	COIS	Mendoza,Argentina	35.1080S	69.5937W	500	From 2012-01-01
EL TABLON	EC09	Ecuador	0.9577S	80.2224W	94	From 2016-05-15
El Tejon	TEJ	California,U.S.A.	35.2298N	118.6890W	634	
El Tigre	TGRV	Venezuela	8.8340N	64.1683W	293	From 1992-11-01
El Tocuyo	TOV	Venezuela	9.7925N	69.7926W	650	
Eltopia	ETP	Washington,U.S.A.	46.4648N	119.0590W	219	From 1969-03-01
Eltopia	ET2	Washington,U.S.A.	46.5350N	118.9500W	330	From 1989-04-05 to 2001-11-01
Eltopia	ET3	Washington,U.S.A.	46.5773N	118.9375W	286	From 1990-09-12
El Transito	AC05	Atacama,Chile	28.8364S	70.2738W	1287	From 2014-02-09
Eltsovka	ELT0	Altayskiy Kray,Russia	53.2559N	86.2745E	217	From 1962-07-05 to 1968-01-01
Eltsovka	ELT	Altayskiy Kray,Russia	53.2614N	86.2387E	235	From 1981-06-01
El Valle	G02S	Maule	34.1128S	71.8897W	250	
El Valle, Cocle	VTON	Panama	8.6110N	80.1130W	620	From 2010-01-01
El Vergel	GUA2	Colombia	4.4560N	75.6218W	2750	
Elvey	ELV	Alaska,U.S.A.	64.8603N	147.8490W	180	From 1971-08-01 to 1972-08-31
El Viejo	A495	Costa Rica	10.3925N	85.4560W	0	From 2000-01-01
El Viejo	EVIJ	Chinandega,Nicaragua	12.6588N	87.1209W	98	From 2018-08-29 to 2019-07-16
El Viejo	CHNN	Nicaragua	12.6249N	87.1259W	94	From 2014-05-22 to 2018-08-29
El Viejo (Barbudal, Tempisque)	ELVJ	Costa Rica	10.4519N	85.3232W	-80	
El Vigia	VIGV	Venezuela	8.8400N	71.3642W	417	
El Vigia	EVV	Veracruz,Mexico	18.4565N	95.3493W		From 1988-01-01
El Vigia	VIG	Mexico	31.8552N	116.6345W	8	
El Volcan	VOLV	Venezuela	10.4200N	66.8498W	1480	
Elwoh	ELLE	Ethiopia	11.2579N	40.3784E	672	
Ely	EY2	Nevada,U.S.A.	39.4314N	115.3178W	2012	From 1966-03-01 to 1966-03-12
Ely	EY-	Nevada,U.S.A.	39.4100N	115.3128W	2012	From 1963-04-21 to 1963-06-10
Ely	EYMN	Minnesota,U.S.A.	47.9462N	91.4950W	475	From 1994-09-26
Ely	ELY	Nevada,U.S.A.	39.1313N	114.8920W	2011	
Ely	EY2NV	Nevada,U.S.A.	39.4314N	115.3178W	2012	From 1966-03-01 to 1966-03-12
Ely	EY-NV	Nevada,U.S.A.	39.4100N	115.3128W	2012	From 1963-04-21 to 1963-06-10
El Yeso	YECH	Santiago,Chile	33.6653S	70.0834W	2577	From 2006-04-21
Elyria	M51A	Ohio,U.S.A.	41.3321N	82.1831W	239	From 2012-08-29
El Yunque	EYP	Puerto Rico	18.3127N	65.7911W	1060	From 1975-07-30 to 1976-08-09
El Zacaton	ZAX	Baja California,Mexico	31.5137N	116.2730W	947	
Emae	EME	Vanuatu	17.0908S	168.3510E		
Emamgholi	IEMG	Iran	37.4155N	58.6522E	2565	From 1997-03-01
Embalse de El Pintado, Sevilla	E018	Spain	37.9803N	5.9548W	392	From 2007-09-16 to 2009-06-17
Embalse de Guadalteba	GTBA	Spain	36.9422N	4.8001W	404	From 2022-06-01
Embalse del Gaudalen, Jaen	E932	Spain	38.1496N	3.4708W	418	From 2009-02-12 to 2009-09-15
Embalse de Viboras	VIBO	Spain	37.6394N	4.0134W	556	From 2022-12-01
Embalse El Atance (Siguenza - Guadalajara)	ATANC	Spain	41.0752N	2.7847W	911	From 2017-08-08
Embarrass	C37A	Minnesota,U.S.A.	47.7283N	92.1853W	447	From 2010-09-17 to 2012-08-14
Embd, Mattertal	EMBD	Switzerland	46.2165N	7.8322E	1180	From 2009-10-29
Emecik-Datca	RFTC	Turkey	36.7782N	27.8163E	136	From 2017-07-28
Emei	LIOB	Taiwan region	24.6456N	121.0156E	330	From 2002-12-12
Emerald Bay	EMB	California,U.S.A.	38.9747N	120.1027W	2122	
Emergency Operations Center, State Capitol Campus, Salt Lake City, UT, USA	ECSLU	Utah,U.S.A.	40.7770N	111.8891W	1356	From 2012-05-01
Emergency Operations Facility	EFD	California,U.S.A.	35.3205N	120.7250W	95	
Emet, Ktahya	EMET	Turkey	39.3755N	29.3205E	1096	From 2017-12-12
Emiliano Zapata	CIHU	Jalisco	19.2648N	104.7352W	320	
Emlikli	EMLK	Georgia	41.2134N	43.9520E	2910	From 2021-09-10
Emma Park	EMUT	Utah,U.S.A.	39.8140N	110.8150W	2268	
Emmet	BEMM	California,U.S.A.	36.6613N	121.0960W	488	From 1970-08-14
Emmet	EMT	California,U.S.A.	36.6613N	121.0960W	488	From 1970-08-14
Emmethof	EMMET	Switzerland	47.4375N	8.0134E	700	From 2012-10-29
Emmingen-Liptingen DE	EMING	Germany	47.8928N	8.8425E	638	From 2013-04-29
Emosson	EMO	Switzerland	46.0482N	6.9620E	1800	From 1973-09-01 to 1980-12-31
Emosson-Mur	EMS	Switzerland	46.0700N	6.9310E	1800	From 1981-01-01 to 2002-01-02
Emosson Staumauer, Bunker	SEMOS	Switzerland	46.0678N	6.9352E	1950	From 2012-11-20
Empang, Sumbawa, Nusat Tenggara Barat, Indonesia	ESNI	Indonesia	8.7875S	117.9658E	49	From 2021-12-31
Empire Grade Rd	LT11	California,U.S.A.	37.0352N	122.1040W	442	From 1969-03-04 to 1976-04-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Empire Grade Road	EGR	California,U.S.A.	37.0352N	122.1040W	442	From 1969-03-04 to 1976-04-30
Emporia	EM-KA	Kansas,U.S.A.	38.5247N	96.4728W	411	From 1965-09-14 to 1965-09-16
Emporia	EMK	Kansas,U.S.A.	38.4465N	96.3172W	370	From 1977-08-15 to 2001-07-15
Emporia	EM-	Kansas,U.S.A.	38.5247N	96.4728W	411	From 1965-09-14 to 1965-09-16
Emporia Municipal Airport, Emporia	R35A	Kansas,U.S.A.	38.3231N	96.1988W	365	From 2010-05-18 to 2012-03-15
Emporium	M56A	Pennsylvania,U.S.A.	41.4837N	78.1826W	493	From 2013-05-20
ENARSA 01	ASCNK	Patagonia	50.2316S	70.7835W	240	
ENARSA 02	ASCJC	Patagonia	50.2100S	70.0867W	145	
Enatrel Managua	ENAN	Nicaragua	12.1142N	86.2615W	184	From 2014-05-28 to 2019-07-16
Enaux	ENAUX	Provence-Cote d'Azur	44.1096N	6.7761E	1336	From 2016-12-02
Encino	035A	Texas,U.S.A.	26.9379N	98.1023W	29	From 2010-01-12 to 2011-11-14
Enciso (La Rioja)	E1202	Spain	42.1581N	2.2589W	760	From 2019-02-19
ENDC	HLWAN	Egypt	30.0000N	40.0000E	30	From 2022-01-02
Ende, Flores	EDFI	Flores,Indonesia	8.7497S	121.6903E	914	From 2008-12-01
Endenburg	ENDD	Baden-Wurttemberg,Germany	47.7140N	7.7370E	629	From 1984-12-01
Endilloe	EDO	South Australia,Australia	32.3217S	138.0483E	300	From 1977-01-01
Endulen Rd	ENDA	Tanzania,United Republic of Tanzania	3.3762S	35.3372E	1067	
Enez	ENEZ	Turkey	40.7362N	26.1530E	101	From 2006-06-21
Engaresero PS	LN26	Tanzania	2.6104S	35.8785E	659	From 2013-01-20 to 2014-12-06
Engaruka Boma	PR31	Tanzania	2.9190S	36.0476E	884	From 2013-01-21 to 2014-12-07
Engebretsen Ranch, Morrill	L25A	Nebraska,U.S.A.	42.1548N	103.9657W	1379	From 2008-11-22 to 2010-10-07
Engelberg, Kloster, OW	SENGL	Switzerland	46.8216N	8.4105E	1033	From 2018-07-03
Enggano, Bengkulu	EGSI	Sumatera,Indonesia	5.3526S	102.2767E	35	From 2008-12-01
Engidalur	IEDA	Iceland	64.0826N	21.3890W	264	From 2016-10-17
Engineer Hill	ENG	Alaska,U.S.A.	64.7352N	147.0460W	220	From 1971-09-07 to 1976-06-30
Engine Test Stand	ETS	Nevada,U.S.A.	36.8325N	116.3090W	1158	From 1965-01-01 to 1970-12-31
English Bluff	ENGB	British Columbia,Canada	49.0080N	123.0889W	55	
Engstlatt	ENGD	Baden-Wurttemberg,Germany	48.3125N	8.8729E	538	From 1982-01-01 to 2020-02-01
Engrck, Gemlik, Bursa	ENGR	Turkey	40.3985N	29.1387E	99	From 2005-11-18
Engutoto Boma	PR33	Tanzania	2.8391S	36.1395E	1101	From 2013-01-23 to 2014-12-07
Enilchek, Kyrgyzstan	ENEL	Kyrgyzstan	42.1529N	79.4550E	2739	From 2008-09-22
Eniwetok	EW-IS	Marshall Islands	11.3972N	162.3753E	3	From 1963-06-28 to 1963-09-13
Eniwetok	EW-	Marshall Islands	11.3972N	162.3753E	3	From 1963-06-28 to 1963-09-13
Eniwo	JEW	Ishikari,Japan	42.8402N	141.4498E	185	From 1995-02-01
ENMS	ENMS	Saudi Arabia	19.0707N	42.5717E	1654	
ENNA	ENNA	Italy	37.5671N	14.2698E	1010	From 2023-01-17
Ennepetalsperre	ENTS	Nordrhein-Westfalen,Germany	51.2414N	7.4108E	300	From 2000-10-01
Ennis	136A	Texas,U.S.A.	32.4746N	96.5297W	113	From 2010-06-06 to 2012-01-19
Ens	RESF	Midi-Pyrenees,France	42.8077N	0.3385E	1270	From 1998-09-01
Ens	ENSF	Midi-Pyrenees,France	42.8047N	0.3356E	1300	
Ensenada	ENX	Baja California,Mexico	31.8835N	116.6626W	230	From 1981-08-03
Ensenada	ECX	Baja California,Mexico	31.8690N	116.6600W		
Enshi	ENH	Hubei,China	30.2718N	109.4870E	487	From 1986-01-01
Enta	IENT	Iceland	63.7010N	19.1823W	1355	From 2011-12-15
Entebbe	TEBE	Uganda	0.0553N	32.4700E	1175	
Entebbe	ENT	Uganda	0.0589N	32.4733E	1175	
Entiat	ETW	Washington,U.S.A.	47.6045N	120.3310W	1475	From 1986-10-01
Entracque	ENR	Italy	44.2267N	7.4203E	1040	From 1967-01-01
Entre Lagos	PUYE	Chile	40.6839S	72.6034W	209	
ENTRE LOMAS	NQ12	Neuquen	37.9122S	68.4465W	560	From 2022-09-15
Entre ros, Cuyotenango	ERG	Guatemala	14.4393N	91.5690W	146	
Enukweni	ENUK	Malawi	11.1799S	33.8859E	3619	From 2014-07-12 to 2015-11-04
Enumclaw	D05A	Washington,U.S.A.	47.1881N	121.9888W	266	From 2005-11-21 to 2008-12-03
Enzan	ENZ	Yamanashi,Japan	35.7360N	138.8053E	807	
Enzkloesterle	A124A	Germany	48.6539N	8.4941E	841	From 2016-02-23
EOS1	EOS1	Taiwan region	24.5494N	122.1284E	-278	From 2011-09-22
EOS2	EOS2	Taiwan region	24.4189N	122.2319E	-945	From 2017-01-26
EOS3	EOS3	Taiwan region	24.2864N	122.3174E	-1114	From 2017-01-26
EOS4	EOS4	Taiwan region	24.1208N	122.3179E	-2732	From 2017-01-26
Eparoz	IEPA	Spain	42.7794N	1.2669W	769	From 2008-07-18
Epen	ENN	Netherlands	50.7672N	5.9233E	120	From 1981-01-01 to 1996-02-27
Eperjes	HU06A	Hungary	46.7123N	20.5675E	0	From 2019-06-25
Ephrata	EPW	Washington,U.S.A.	47.3522N	119.5960W	628	From 1975-06-01
Ephrata	EPH	Washington,U.S.A.	47.3536N	119.5960W	628	From 1983-03-01
Epi	EPI	Vanuatu	16.6950S	168.1160E		
Epidavros	EPID	Greece	37.6144N	23.1189E	444	From 2010-10-08
EPN Laboratorio de Estructuras	EPNL	Ecuador	0.2120S	78.4917W	2822	From 2010-08-24
Equi	EQUI	Italy	44.1660N	10.1530E	350	From 2012-05-14
Erbaa	ERBA	Turkey	40.6814N	36.7547E	655	From 2008-03-24
Erbaa-TOKAT	ERBG	Turkey	40.7120N	36.6768E	510	From 2020-12-10
ERCIS-VAN	ERCV	Turkey	39.0198N	43.3380E	1681	From 2011-10-28
Erciyes	ERCT	Turkey	38.6031N	35.5142E	1915	From 1993-08-28 to 1998-05-01
Erdek	ERD	Turkey	40.4000N	27.8000E		From 1970-01-01 to 1972-12-31
Erdemli	MEST	Turkey	36.5869N	34.1453E	855	From 2003-12-12
Eremo	ERBM	Italy	44.4192N	10.4128E	919	
Erenkoy	EREN	Cyprus	35.5300N	34.1700E	88	
Eretria	EREA	Greece	38.4199N	23.9318E	475	From 2010-06-16
Eretria	ERET	Greece	38.4423N	23.8064E	810	From 2008-12-23
Eretria, Euboea Island, Greece	ERTR	Greece	38.4066N	23.7865E	121	From 2022-09-28
Erewhon	EWZ	South Island,New Zealand	43.5100S	170.8526E	650	From 1991-03-21 to 2001-07-03
Erian - IBB Gov. - Yemen	ERIN	Yemen	14.2300N	44.2300E	1600	From 1997-01-15 to 2005-10-22
Erice	ERC	Sicily,Italy	38.0376N	12.5873E	776	From 1978-02-01
Erice	ER1	Sicily,Italy	38.0376N	12.5873E	776	From 1978-02-01
Erie	ERPA	Pennsylvania,U.S.A.	42.1175N	79.9891W	306	From 2004-03-19
Erie	ERP	Pennsylvania,U.S.A.	42.1333N	79.9833W		
Erikli-Kesan	ERIK	Turkey	40.6708N	26.5132E	41	From 2008-07-02
Erimo	ERM	Hidaka,Japan	42.0150N	143.1571E	40	From 1976-07-01
Erimo	JEM	Hidaka,Japan	42.0158N	143.1573E	40	
Erithrai	VTH	Greece	38.2006N	23.3600E	756	From 1982-10-01
Erkin-Say	EKS2	Kyrgyzstan	42.6615N	73.7772E	1360	
Erkin-Say	EKS	Kyrgyzstan	42.6680N	73.7860E	1180	
Erlin	RLNB	Taiwan region	23.8911N	120.3594E	-60	From 2004-06-25
Ermenek	ERMK	Turkey	36.6416N	32.9128E	1855	From 2005-02-28
Ermioni, IDHR	IDHRE	Greece	37.3908N	23.2591E	35	
Ernestine	ERN	Alaska,U.S.A.	61.4442N	145.1120W	570	From 1971-09-16 to 1973-08-29
Ernies Place	ERPC	California,U.S.A.	32.7435N	115.6630W	-9	
Ernsthofen	A110A	Germany	49.7770N	8.7290E	0	From 2015-10-27
EROS Data Center, Sioux Falls	ECSD	South Dakota,U.S.A.	43.7337N	96.6141W	478	From 2006-05-17
Erpfingen	ERPF	Baden-Wurttemberg,Germany	48.3447N	9.1744E	846	From 2010-03-01
Err	ERR	Morocco	32.3800N	6.3230W		From 1995-12-16
Errachidia	ZFT	Morocco	32.0340N	4.3520W	1800	From 1993-01-01
Er Rumman	RUMJ	Jordan	32.1820N	35.8275E	445	From 1983-09-01
Ersekhalma	HU22A	Hungary	46.3280N	19.1310E	190	From 2019-09-04
Erstfeld, Schule, UR	SEFS	Switzerland	46.8187N	8.6485E	470	From 2017-05-08
Erta Ale	ERTE	Ethiopia	13.4463N	40.4969E	-5	
Erto-Casso	ERT	Italy	46.2767N	12.3767E	775	From 1982-11-24 to 1988-01-01
Ertsjaerv	ERTU	Sweden	66.5541N	22.1895E	300	From 2004-04-17
Erunakovo, Kuzbass, Russia	ERU	Kemerovskaya Oblast'	54.1398N	87.3843E	354	From 2015-06-20
Erzin	ERNS	Tyva,Russia	50.2630N	95.1550E	1105	
Erzincan	KRDT	Turkey	39.9167N	39.1183E	2810	From 1998-09-30 to 2003-08-14
Erzincan	ERZN	Turkey	39.5866N	39.7220E	1310	From 2008-10-15
Erzincan	EZC	Turkey	39.7520N	39.3533E	1500	From 1993-08-27
Erzurum	ERZT	Turkey	39.9067N	41.2533E	1955	
Erzurum	ERZ	Turkey	39.9150N	41.2767E	1850	From 1966-08-06
Erzurum	ERZM	Turkey	39.9053N	41.3658E	2380	From 1996-01-01
Erzurum	EZM	Turkey	39.9053N	41.3623E	2400	
Erzurum,Aziziye	EMRE	Turkey	40.0302N	40.9762E	2066	From 2013-09-24
Erzurum-spir	KRIK	Turkey	40.3374N	40.9271E	2025	From 2013-03-18
Erzurum, Merkez	ATA5	Turkey	39.9046N	41.2448E	1860	From 2014-02-28
Erzurum, Palandoken	EJDE	Turkey	39.8337N	41.3035E	3151	From 2013-11-07
Erzurum-Palandoken-Deprem Arastirma Merkezi	EDAM	Turkey	39.8972N	41.2692E	1918	From 2017-02-21
Erzyncan	ERZC	Turkey	39.7242N	39.5258E	1170	From 1998-01-01 to 1998-09-29
Esa-ala	ESB	D'Entrecasteaux Islands,Papua New Guinea	9.6867S	150.9030E	60	From 1974-01-01
Esa-ala	ESA	D'Entrecasteaux Islands,Papua New Guinea	9.7384S	150.8140E	46	From 1965-01-01
Esan	ESH	O shima,Japan	41.8842N	141.0112E	40	From 1976-07-01
Esanatoglia	SNTG	Italy	43.2550N	12.9406E	625	
Escape Road	ESR	Hawaii,U.S.A.	19.4113N	155.2390W	1177	From 1971-09-01
Eschwege	WBED	Hessen	51.1696N	10.1065E	230	From 2022-08-04
ESCO Site	ESCO	Democratic Republic of the Congo	1.6340S	29.1590E	1480	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Escot	ESCF	Aquitaine,France	43.0785N	0.5747W	570	
Escuela Centroamericana Geologa	ECI	Costa Rica	9.9381N	84.0521W	1212	
Escuela Especializada en Ingeniera	ITCA	El Salvador	13.6735N	89.2782W	926	
Escuela Geologia	SJS	Costa Rica	9.9392N	84.0542W	1196	
EscuelaIngenieria	EDC*	Santiago,Chile	33.4592S	70.6678W		
Escuela - Rosario de la Frontera	AERF	Salta,Argentina	25.7975S	64.9716W	800	From 1995-09-22
Esen Bulak	EBM	Mongolia	46.3900N	96.2600E	2160	
Esenkoy-Cinarcik-Yalova	SBT5	Turkey	40.6311N	28.8803E	-368	From 2010-06-09
Esenkoy-Cinarcik-YALOVA	ESKY	Turkey	40.5919N	28.9072E	2	From 2021-06-20
Esenky, ınarcık, Yalova	ESNK	Turkey	40.6276N	28.9751E	193	From 2005-09-30
Esenky, Nazilli, Aydın	ESEN	Turkey	37.7981N	28.3484E	92	From 2017-12-17
Esentepe	ESE	Turkey	40.7556N	30.3242E	197	From 1991-01-01
Esentepe-Goktepe-KARAMAN	LMOS	Turkey	36.6021N	32.6962E	1430	From 2022-10-04
Eskdalemuir	EKG	Scotland,United Kingdom	55.3339N	3.1923W	356	From 2002-11-12
Eskdalemuir	ESK	Scotland,United Kingdom	55.3167N	3.2050W	263	From 1964-03-19
Eskdalemuir	EKB	Scotland,United Kingdom	55.3339N	3.1923W	307	
Eskdalemuir Array	EKA	Scotland,United Kingdom	55.3331N	3.1592W	263	From 1962-05-01
Eskdalemuir Array Site B1	EKB1	Scotland,United Kingdom	55.3093N	3.1770W	274	
Eskdalemuir Array Site B10	EKB10	Scotland,United Kingdom	55.3769N	3.1292W	328	
Eskdalemuir Array Site B2	EKB2	Scotland,United Kingdom	55.3168N	3.1717W	313	
Eskdalemuir Array Site B3	EKB3	Scotland,United Kingdom	55.3249N	3.1682W	306	
Eskdalemuir Array Site B4	EKB4	Scotland,United Kingdom	55.3317N	3.1612W	300	
Eskdalemuir Array Site B5	EKB5	Scotland,United Kingdom	55.3393N	3.1563W	313	
Eskdalemuir Array Site B6	EKB6	Scotland,United Kingdom	55.3466N	3.1506W	337	
Eskdalemuir Array Site B7	EKB7	Scotland,United Kingdom	55.3541N	3.1454W	435	
Eskdalemuir Array Site B8	EKB8	Scotland,United Kingdom	55.3618N	3.1397W	400	
Eskdalemuir Array Site B9	EKB9	Scotland,United Kingdom	55.3690N	3.1348W	395	
Eskdalemuir Array Site R1	EKR1	Scotland,United Kingdom	55.3374N	3.1786W	355	
Eskdalemuir Array Site R10	EKR10	Scotland,United Kingdom	55.3104N	3.0609W	382	
Eskdalemuir Array Site R2	EKR2	Scotland,United Kingdom	55.3344N	3.1656W	349	
Eskdalemuir Array Site R3	EKR3	Scotland,United Kingdom	55.3306N	3.1530W	319	
Eskdalemuir Array Site R4	EKR4	Scotland,United Kingdom	55.3284N	3.1394W	336	
Eskdalemuir Array Site R5	EKR5	Scotland,United Kingdom	55.3254N	3.1263W	306	
Eskdalemuir Array Site R6	EKR6	Scotland,United Kingdom	55.3224N	3.1132W	394	
Eskdalemuir Array Site R7	EKR7	Scotland,United Kingdom	55.3194N	3.1001W	348	
Eskdalemuir Array Site R8	EKR8	Scotland,United Kingdom	55.3163N	3.0868W	419	
Eskdalemuir Array Site R9	EKR9	Scotland,United Kingdom	55.3137N	3.0732W	431	
Eskilstuna	ESKU	Sweden	59.2311N	16.3938E	50	From 2002-01-19
Eskisehir	ESKT	Turkey	39.5200N	30.8500E	1289	
Eskisehir	BORA	Turkey	39.8801N	30.4534E	960	From 2005-08-04
Eskisehir, Seyitgazi-Dogancayir	SGAZ	Turkey	39.5293N	30.8387E	958	From 2014-11-24
Eskiyayla	EYL	Turkey	40.5658N	30.1250E	1160	From 1990-01-01
Eskypehyr	SEYT	Turkey	39.5200N	30.8500E	1172	From 1998-01-01
Esma-Masafi	MSFE	United Arab Emirates	25.3596N	56.1595E	524	
Esme	HARTU	Turkey,Turkey	38.3411N	28.7992E	901	
ESMERALDAS	EC01	Ecuador	0.9354N	79.6649W	64	From 2016-05-11
Esmerelda Mountain	ESMT	Montana	46.6566N	112.4426W	1741	From 2018-08-21
Espanola	ES-ON	Ontario,Canada	46.3189N	81.7928W	274	From 1962-11-12 to 1962-12-07
Espanola	ES-	Ontario,Canada	46.3189N	81.7928W	274	From 1962-11-12 to 1962-12-07
Espargos	SLES	Cape Verde Islands	16.7300N	22.9300W	67	From 2012-10-17
Esparros	EPF	Aquitaine,France	43.0308N	0.3400E	750	From 1977-07-07
Esparros	PYF	Aquitaine,France	43.0308N	0.3400E	750	From 1977-07-07
Esparza	EPA	Costa Rica	9.9877N	84.5965W	310	From 1984-03-17
Esparza	ARZA	Costa Rica,Costa Rica	9.9910N	84.6680W	226	
Espegrend	EGD	Norway	60.2712N	5.2257E	20	From 1991-03-01
Espenschied	ESP	Hessen,Germany	50.0992N	7.8932E	398	
Espenschied/Hessen	GWBD	Hessen	50.1140N	7.9020E	429	From 2013-08-12
Espera	ESPR	Spain	36.8686N	5.8562W	135	
Esperanza - Manati, PR	EMPR	Puerto Rico	18.4770N	66.5296W	9	From 2011-07-01
Espinalbet	CESP	Spain	42.1157N	1.8126E	1143	From 2022-06-26
Espinillo Formosa - Argentina	ESFA	Parana	24.9575S	58.4883W	86	From 2016-12-09
Espira	FESP	Midi-Pyrenees,France	42.8199N	2.8222E	240	From 2008-10-01
Espiye-Giresun	ESPY	Turkey	40.9167N	38.7273E	430	From 2007-03-02
Espoo, Elfvik	ELFV	Finland	60.2019N	24.8186E	-246	From 2022-09-16
Espoo, Leppvaara	LEPP	Finland	60.2177N	24.8287E	-333	From 2022-09-16
Espoo, Malminkorpi	MAES	Finland	60.1862N	24.6806E	-324	From 2022-09-16
Espoo, Otaniemi	OTRA	Finland	60.1863N	24.8374E	-658	From 2022-09-16
Espoo, Suvisaaristo	HEL5	Finland	60.1173N	24.7388E	5	From 2017-02-23
Espoo, Tapiola	TAGC	Finland	60.1975N	24.7879E	-1131	From 2022-09-19
Espoo, Tvijlp	TVJP	Finland	60.1535N	24.8080E	-330	From 2022-09-16
Espot	ESPO	Spain	42.5785N	1.1197E	1440	
Esquipulas	ESQI	Guatemala	14.5599N	89.3414W	960	
Esso	ESO	Kamchatskaya Oblast',Russia	55.9250N	158.7000E	490	
Esso	ES2	Kamchatskaya Oblast',Russia	55.9150N	158.6830E	65	
Estacion Bilbao	BIL2	Ecuador	1.4553S	78.5025W	2381	From 2007-08-22
Estacion Edusismo	QTOE	Ecuador	0.1722S	78.4889W	2777	From 2007-01-01
Estacion GRAS, Guanacaste	GRAS	Costa Rica	9.9432N	85.5773W	236	From 2000-01-01
Estacion GUIO Guanacaste	GUIO	Costa Rica	9.9167N	85.6500W	39	From 1999-12-08
Estacion Juarez	EJC	Chiapas,Mexico	17.6044N	93.1956W		
Estacion LALO Guanacaste	LALO	Costa Rica	9.9666N	85.6666W	56	From 2000-01-01
Estacion meteorologica de Ocotal	OCON	Nicaragua	13.6308N	86.4775W	622	From 2001-01-01
Estancia	EST	New Mexico,U.S.A.	34.8645N	105.7230W	2055	From 1976-06-01
Estanollee	X53A	Georgia,U.S.A.	34.5031N	83.3013W	240	From 2012-04-11
Estanzuela	ZAES	Guatemala	14.9641N	89.5840W	222	From 2021-05-07
Estanzuela, Zacapa	ZAFR2	Guatemala	14.5785N	89.3506W	222	
Esteban Cantu	ECNX	Baja California,Mexico	31.6570N	116.5978W	1040	
Esteli	ESTN	Nicaragua	13.1017N	86.3692W	862	
Estepa	ESTP	Spain	37.2713N	4.8662W	893	
Estepona	EXES	Spain	36.4230N	5.1520W	13	
Esterillos Oeste, ESO	CESO	Costa Rica	9.5265N	84.5083W	46	From 2002-04-11 to 2002-10-01
Esterri de Cardos	CEST	Spain	42.5987N	1.2541E	1325	From 2006-06-01
Estevan Point	ETB	British Columbia,Canada	49.3763N	126.5380W	1	
Estevan Point	ETPB	British Columbia,Canada	49.3833N	126.5430W	0	From 2020-03-02
E St Louis HE Ctr	STIL	Missouri,U.S.A.	38.6205N	90.1626W	131	
Estreito	PAU1	Para	6.3880S	47.3383W	188	From 2020-07-31
Estrela do Norte	MR7B	Goias	13.7742S	49.1223W	366	From 2016-03-01
Estrella	ETRA	Patagonia	45.1760S	73.3267W	10	From 2010-01-01
Estrella, SFX	SFX1	Baja California	30.8812N	114.7520W	43	
Estremoz	PESTR	Portugal	38.8672N	7.5902W	410	From 2006-07-01
Estrennes	ETNF	Lorraine	48.2600N	6.0400E	450	From 2016-06-01
Esutoru	ESU	Sakhalinskaya Oblast',Russia	49.0833N	142.0330E		
Eten	CHP7	Peru	6.9450S	79.8650W	200	
ETH01	ETH01	Saudi Arabia	26.4184N	40.1297E	1361	
ETH02	ETH02	Saudi Arabia	26.3390N	40.5110E	1086	
ETH03	ETH03	Saudi Arabia	26.4969N	40.8439E	1076	
ETH04	ETH04	Saudi Arabia	26.6724N	40.4281E	1044	
ETH05	ETH05	Saudi Arabia	26.8664N	40.1870E	1005	
ETH06	ETH06	Saudi Arabia	26.6537N	39.9195E	1132	
ETH07	ETH07	Saudi Arabia	26.3972N	39.7937E	1328	
ETH08	ETH08	Saudi Arabia	26.6455N	40.1723E	1164	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ADEE	Ethiopia	7.7909N	39.9068E	2485	
Ethiopia-Afar Geoscientific Lithospheric Experiment	SENE	Ethiopia	9.1466N	39.0166E	2560	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MIEE	Ethiopia	9.2416N	40.7581E	1349	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MELE	Ethiopia	9.3106N	40.2008E	762	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MEKE	Ethiopia	8.1623N	38.8330E	1897	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MECE	Ethiopia	8.5938N	40.3241E	1775	
Ethiopia-Afar Geoscientific Lithospheric Experiment	LEME	Ethiopia	8.6115N	38.6095E	2108	
Ethiopia-Afar Geoscientific Lithospheric Experiment	KOTE	Ethiopia	9.3875N	39.3961E	2872	
Ethiopia-Afar Geoscientific Lithospheric Experiment	INEE	Ethiopia	9.8954N	39.1431E	2686	
Ethiopia-Afar Geoscientific Lithospheric Experiment	GTFE	Ethiopia	9.0034N	39.8376E	1036	
Ethiopia-Afar Geoscientific Lithospheric Experiment	SHEE	Ethiopia	9.9996N	39.8946E	1298	
Ethiopia-Afar Geoscientific Lithospheric Experiment	DZEE	Ethiopia	8.7803N	38.9959E	1907	
Ethiopia-Afar Geoscientific Lithospheric Experiment	DONE	Ethiopia	8.5090N	39.5504E	1312	
Ethiopia-Afar Geoscientific Lithospheric Experiment	DIKE	Ethiopia	8.0627N	39.5566E	2754	
Ethiopia-Afar Geoscientific Lithospheric Experiment	AREEX	Ethiopia	8.9385N	39.4188E	1826	
Ethiopia-Afar Geoscientific Lithospheric Experiment	CHAE	Ethiopia	9.3118N	38.7624E	2646	
Ethiopia-Afar Geoscientific Lithospheric Experiment	NURE	Ethiopia	8.7012N	39.7955E	1182	
Ethiopia-Afar Geoscientific Lithospheric Experiment	BORE	Ethiopia	8.7459N	39.5540E	1253	
Ethiopia-Afar Geoscientific Lithospheric Experiment	WOLE	Ethiopia	8.5339N	37.9822E	2058	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ethiopia-Afar Geoscientific Lithospheric Experiment	BEDE	Ethiopia	8.9086N	40.7710E	1714	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ANKE	Ethiopia	9.5927N	39.7339E	2981	
Ethiopia-Afar Geoscientific Lithospheric Experiment	AWAE	Ethiopia	8.9895N	40.1659E	956	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ASEE	Ethiopia	7.9729N	39.1317E	2333	
Ethiopia-Afar Geoscientific Lithospheric Experiment	AMME	Ethiopia	8.3031N	39.0934E	1670	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ADUE	Ethiopia	8.5404N	38.9019E	1750	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10001	Ethiopia	9.9845N	38.2801E	2524	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10004	Ethiopia	9.9600N	38.2973E	2553	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10008	Ethiopia	9.9318N	38.3222E	2544	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10011	Ethiopia	9.9106N	38.3419E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10012	Ethiopia	9.9029N	38.3471E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10014	Ethiopia	9.8891N	38.3613E	2553	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10016	Ethiopia	9.8712N	38.3704E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10017	Ethiopia	9.8633N	38.3757E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10018	Ethiopia	9.8552N	38.3819E	2583	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10019	Ethiopia	9.8456N	38.3791E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10020	Ethiopia	9.8365N	38.3820E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10021	Ethiopia	9.8293N	38.3897E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10022	Ethiopia	9.8235N	38.3987E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10023	Ethiopia	9.8152N	38.4045E	2564	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10024	Ethiopia	9.8103N	38.4071E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10026	Ethiopia	9.8005N	38.4165E	2573	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10027	Ethiopia	9.7940N	38.4319E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10028	Ethiopia	9.7870N	38.4380E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10030	Ethiopia	9.7773N	38.4588E	2588	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10037	Ethiopia	9.7380N	38.5142E	2673	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10042	Ethiopia	9.6897N	38.5300E	2557	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10046	Ethiopia	9.6577N	38.5177E	2477	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10054	Ethiopia	9.6150N	38.5853E	2668	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10058	Ethiopia	9.5805N	38.5966E	2554	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10062	Ethiopia	9.5487N	38.5824E	2449	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10069	Ethiopia	9.4889N	38.5840E	1505	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10077	Ethiopia	9.4399N	38.6462E	2384	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10078	Ethiopia	9.4311N	38.6523E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10079	Ethiopia	9.4208N	38.6553E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10081	Ethiopia	9.3990N	38.6631E	2426	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10085	Ethiopia	9.3667N	38.6711E	2484	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10089	Ethiopia	9.3391N	38.6930E	2601	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10094	Ethiopia	9.3062N	38.7293E	2577	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E10097	Ethiopia	9.3025N	38.7516E	2613	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11001	Ethiopia	9.2831N	38.7820E	2717	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11005	Ethiopia	9.2595N	38.8064E	2889	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11010	Ethiopia	9.2552N	38.8513E	3262	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11012	Ethiopia	9.2176N	38.8727E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11018	Ethiopia	9.1989N	38.9238E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11020	Ethiopia	9.1814N	38.9275E	2644	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11021	Ethiopia	9.1743N	38.9325E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11022	Ethiopia	9.1662N	38.9374E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11023	Ethiopia	9.1603N	38.9452E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11024	Ethiopia	9.1536N	38.9528E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11025	Ethiopia	9.1478N	38.9611E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11026	Ethiopia	9.1357N	38.9622E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11030	Ethiopia	9.1116N	38.9875E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11031	Ethiopia	9.1282N	38.9986E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11032	Ethiopia	9.1313N	39.0029E	2538	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11038	Ethiopia	9.1189N	39.0490E	2522	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11041	Ethiopia	9.0946N	39.0664E	2530	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11046	Ethiopia	9.0560N	39.0930E	2525	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11051	Ethiopia	9.0196N	39.1200E	2484	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11055	Ethiopia	8.9825N	39.1244E	2403	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11057	Ethiopia	8.9679N	39.1301E	2347	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11058	Ethiopia	8.9697N	39.1386E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11063	Ethiopia	8.9301N	39.1470E	2308	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11071	Ethiopia	8.9084N	39.2359E	2355	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11072	Ethiopia	8.9010N	39.2419E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11076	Ethiopia	8.8738N	39.2631E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11077	Ethiopia	8.8637N	39.2567E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11078	Ethiopia	8.8539N	39.2494E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11079	Ethiopia	8.8447N	39.2442E	2414	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11080	Ethiopia	8.8353N	39.2471E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11081	Ethiopia	8.8282N	39.2529E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11082	Ethiopia	8.8183N	39.2546E	2376	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11083	Ethiopia	8.8107N	39.2600E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11086	Ethiopia	8.7879N	39.2743E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11088	Ethiopia	8.7696N	39.2749E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11090	Ethiopia	8.7544N	39.2798E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11091	Ethiopia	8.7499N	39.2884E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11095	Ethiopia	8.7259N	39.3352E	1746	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11096	Ethiopia	8.7158N	39.3380E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11097	Ethiopia	8.7087N	39.3427E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E11099	Ethiopia	8.7053N	39.3603E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12001	Ethiopia	8.7112N	39.3783E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12004	Ethiopia	8.6983N	39.4005E	1535	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12009	Ethiopia	8.6562N	39.4280E	1460	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12013	Ethiopia	8.6210N	39.4402E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12015	Ethiopia	8.6142N	39.4545E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12016	Ethiopia	8.6058N	39.4518E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12017	Ethiopia	8.5958N	39.4545E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12019	Ethiopia	8.5801N	39.4548E	1870	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12026	Ethiopia	8.5289N	39.4794E	1817	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12030	Ethiopia	8.4971N	39.4660E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12031	Ethiopia	8.4882N	39.4628E	1478	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12032	Ethiopia	8.4786N	39.4597E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12033	Ethiopia	8.4683N	39.4636E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12035	Ethiopia	8.4731N	39.4822E	1449	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12038	Ethiopia	8.4819N	39.5073E	1407	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12042	Ethiopia	8.4961N	39.5398E	1303	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12046	Ethiopia	8.5038N	39.5703E	1266	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12052	Ethiopia	8.4572N	39.5926E	1323	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12058	Ethiopia	8.4177N	39.6326E	1803	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12062	Ethiopia	8.3894N	39.6572E	2086	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12066	Ethiopia	8.3633N	39.6719E	2170	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12070	Ethiopia	8.3269N	39.6711E	2590	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12074	Ethiopia	8.2853N	39.6596E	2606	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12078	Ethiopia	8.2712N	39.6898E	2646	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12081	Ethiopia	8.2488N	39.6946E	2707	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12085	Ethiopia	8.2122N	39.6980E	2686	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12089	Ethiopia	8.1799N	39.7123E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12090	Ethiopia	8.1775N	39.7186E	2686	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E12096	Ethiopia	8.1272N	39.7164E	2615	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13001	Ethiopia	8.0962N	39.6904E	2602	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13003	Ethiopia	8.0741N	39.6860E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13008	Ethiopia	8.0316N	39.6884E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13010	Ethiopia	8.0160N	39.6868E	2531	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13011	Ethiopia	8.0067N	39.6849E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13013	Ethiopia	7.9882N	39.6861E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13015	Ethiopia	7.9763N	39.6889E	2478	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13018	Ethiopia	7.9790N	39.7160E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13019	Ethiopia	7.9734N	39.7244E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13020	Ethiopia	7.9671N	39.7338E	2471	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13021	Ethiopia	7.9563N	39.7394E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13022	Ethiopia	7.9471N	39.7438E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13024	Ethiopia	7.9340N	39.7520E	2476	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13027	Ethiopia	7.9115N	39.7699E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13028	Ethiopia	7.9049N	39.7769E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13029	Ethiopia	7.9015N	39.7844E	2477	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13030	Ethiopia	7.8917N	39.7894E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13031	Ethiopia	7.8840N	39.7944E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E13033	Ethiopia	7.8732N	39.8074E	2464	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ethiopia-Afar Geoscientific Lithospheric Experiment E13394	E13394	Ethiopia	7.8654N	39.8120E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13397	E13397	Ethiopia	7.8508N	39.8356E	2489	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13400	E13400	Ethiopia	7.8338N	39.8570E	2479	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13411	E13411	Ethiopia	7.8277N	39.8648E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13444	E13444	Ethiopia	7.8059N	39.8842E	2473	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13445	E13445	Ethiopia	7.7984N	39.8896E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13446	E13446	Ethiopia	7.7950N	39.8979E	2472	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13449	E13449	Ethiopia	7.7822N	39.9192E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13551	E13551	Ethiopia	7.7810N	39.9368E	2462	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13552	E13552	Ethiopia	7.7768N	39.9455E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13553	E13553	Ethiopia	7.7724N	39.9544E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13554	E13554	Ethiopia	7.7659N	39.9611E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13556	E13556	Ethiopia	7.7539N	39.9743E	2450	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13557	E13557	Ethiopia	7.7457N	39.9814E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13558	E13558	Ethiopia	7.7360N	39.9921E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13660	E13660	Ethiopia	7.7259N	40.0091E	2457	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13665	E13665	Ethiopia	7.7272N	40.0575E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13666	E13666	Ethiopia	7.7252N	40.0676E	2483	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13770	E13770	Ethiopia	7.7060N	40.1015E	2485	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13773	E13773	Ethiopia	7.7068N	40.1353E	2489	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13777	E13777	Ethiopia	7.6889N	40.1664E	2497	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13881	E13881	Ethiopia	7.6726N	40.2010E	2496	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13884	E13884	Ethiopia	7.3815N	40.0146E	2341	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13885	E13885	Ethiopia	7.3812N	40.0223E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13887	E13887	Ethiopia	7.3837N	40.0420E	2379	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13991	E13991	Ethiopia	7.3861N	40.0815E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E13994	E13994	Ethiopia	7.3886N	40.1083E	2379	
Ethiopia-Afar Geoscientific Lithospheric Experiment E13996	E13996	Ethiopia	7.3868N	40.1252E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E14000	E14000	Ethiopia	7.3826N	40.1661E	2382	
Ethiopia-Afar Geoscientific Lithospheric Experiment E14003	E14003	Ethiopia	7.3718N	40.1924E	2387	
Ethiopia-Afar Geoscientific Lithospheric Experiment E14007	E14007	Ethiopia	7.3791N	40.2298E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E14111	E14111	Ethiopia	7.3579N	40.2559E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E14113	E14113	Ethiopia	7.3406N	40.2609E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E14115	E14115	Ethiopia	7.3232N	40.2640E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E14116	E14116	Ethiopia	7.3163N	40.2653E	2412	
Ethiopia-Afar Geoscientific Lithospheric Experiment E14335	E14335	Ethiopia	7.2252N	40.4086E	2312	
Ethiopia-Afar Geoscientific Lithospheric Experiment E14337	E14337	Ethiopia	7.2309N	40.4216E	2272	
Ethiopia-Afar Geoscientific Lithospheric Experiment E14443	E14443	Ethiopia	7.2592N	40.4743E	2214	
Ethiopia-Afar Geoscientific Lithospheric Experiment E22144	E22144	Ethiopia	8.4083N	39.3809E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22215	E22215	Ethiopia	8.4160N	39.3863E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22218	E22218	Ethiopia	8.4352N	39.4053E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22220	E22220	Ethiopia	8.4437N	39.4265E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22221	E22221	Ethiopia	8.4473N	39.4356E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22222	E22222	Ethiopia	8.4537N	39.4412E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22223	E22223	Ethiopia	8.4608N	39.4459E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22242	E22242	Ethiopia	8.5310N	39.6357E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22255	E22255	Ethiopia	8.6169N	39.7147E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22256	E22256	Ethiopia	8.6251N	39.7220E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22270	E22270	Ethiopia	8.7126N	39.8146E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22282	E22282	Ethiopia	8.8415N	39.8276E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22284	E22284	Ethiopia	8.8622N	39.8311E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22285	E22285	Ethiopia	8.8699N	39.8348E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22286	E22286	Ethiopia	8.8787N	39.8395E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22288	E22288	Ethiopia	8.9004N	39.8422E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22291	E22291	Ethiopia	8.9347N	39.8425E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22292	E22292	Ethiopia	8.9461N	39.8405E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22293	E22293	Ethiopia	8.9596N	39.8395E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22294	E22294	Ethiopia	8.9728N	39.8376E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22295	E22295	Ethiopia	8.9853N	39.8359E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22296	E22296	Ethiopia	8.9960N	39.8369E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E22297	E22297	Ethiopia	9.0052N	39.8390E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23001	E23001	Ethiopia	9.0341N	39.8624E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23003	E23003	Ethiopia	9.0501N	39.8705E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23004	E23004	Ethiopia	9.0585N	39.8753E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23113	E23113	Ethiopia	9.1140N	39.9360E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23114	E23114	Ethiopia	9.1211N	39.9424E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23115	E23115	Ethiopia	9.1289N	39.9478E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23116	E23116	Ethiopia	9.1375N	39.9502E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23117	E23117	Ethiopia	9.1381N	39.9654E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23118	E23118	Ethiopia	9.1464N	39.9666E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23119	E23119	Ethiopia	9.1446N	39.9852E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23220	E23220	Ethiopia	9.1551N	39.9874E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23221	E23221	Ethiopia	9.1587N	39.9998E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23335	E23335	Ethiopia	9.1995N	40.1527E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23336	E23336	Ethiopia	9.2059N	40.1590E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23337	E23337	Ethiopia	9.2110N	40.1661E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23338	E23338	Ethiopia	9.2158N	40.1727E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23339	E23339	Ethiopia	9.2217N	40.1813E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23340	E23340	Ethiopia	9.2270N	40.1886E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23341	E23341	Ethiopia	9.2348N	40.1937E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23342	E23342	Ethiopia	9.2387N	40.1963E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23445	E23445	Ethiopia	9.2620N	40.2143E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23446	E23446	Ethiopia	9.2684N	40.2197E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23447	E23447	Ethiopia	9.2768N	40.2265E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23448	E23448	Ethiopia	9.2827N	40.2337E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23449	E23449	Ethiopia	9.2890N	40.2412E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23550	E23550	Ethiopia	9.2950N	40.2483E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23551	E23551	Ethiopia	9.3014N	40.2521E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23552	E23552	Ethiopia	9.3122N	40.2588E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23553	E23553	Ethiopia	9.3169N	40.2633E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23554	E23554	Ethiopia	9.3258N	40.2688E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23555	E23555	Ethiopia	9.3298N	40.2777E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23556	E23556	Ethiopia	9.3327N	40.2851E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23557	E23557	Ethiopia	9.3402N	40.2908E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23558	E23558	Ethiopia	9.3467N	40.2940E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23559	E23559	Ethiopia	9.3543N	40.3025E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23560	E23560	Ethiopia	9.3628N	40.3056E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23662	E23662	Ethiopia	9.3829N	40.3114E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23663	E23663	Ethiopia	9.3912N	40.3164E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23664	E23664	Ethiopia	9.3989N	40.3234E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23665	E23665	Ethiopia	9.4024N	40.3303E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23666	E23666	Ethiopia	9.4072N	40.3388E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23669	E23669	Ethiopia	9.4272N	40.3604E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23771	E23771	Ethiopia	9.4410N	40.3689E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23888	E23888	Ethiopia	9.6070N	40.4093E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E23996	E23996	Ethiopia	9.6749N	40.4409E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E24225	E24225	Ethiopia	9.9548N	40.5346E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E24228	E24228	Ethiopia	9.9843N	40.5433E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E24330	E24330	Ethiopia	9.9993N	40.5563E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E24331	E24331	Ethiopia	10.0065N	40.5679E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E24332	E24332	Ethiopia	10.0131N	40.5799E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E24333	E24333	Ethiopia	10.0215N	40.5871E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E24334	E24334	Ethiopia	10.0295N	40.5973E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E24337	E24337	Ethiopia	10.0558N	40.6225E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E24441	E24441	Ethiopia	10.0942N	40.6377E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E24449	E24449	Ethiopia	10.1850N	40.6458E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E24551	E24551	Ethiopia	10.2116N	40.6401E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E381	E381	Ethiopia	8.7774N	39.8644E	1009	
Ethiopia-Afar Geoscientific Lithospheric Experiment E31105	E31105	Ethiopia	8.7062N	39.1952E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E31107	E31107	Ethiopia	8.7400N	39.2184E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E31110	E31110	Ethiopia	8.8089N	39.2790E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E31114	E31114	Ethiopia	8.8937N	39.2718E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E31116	E31116	Ethiopia	8.8349N	39.3179E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E31220	E31220	Ethiopia	8.9217N	39.3612E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E392	E392	Ethiopia	8.8473N	40.0089E	970	
Ethiopia-Afar Geoscientific Lithospheric Experiment E32005	E32005	Ethiopia	8.5746N	39.2167E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E32007	E32007	Ethiopia	8.6364N	39.2331E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E32009	E32009	Ethiopia	8.6872N	39.2605E		
Ethiopia-Afar Geoscientific Lithospheric Experiment E32112	E32112	Ethiopia	8.7816N	39.2994E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ethiopia-Afar Geoscientific Lithospheric Experiment	E322113	Ethiopia	8.7827N	39.3278E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E322114	Ethiopia	8.8009N	39.3395E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E322116	Ethiopia	8.8719N	39.3942E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E322211	Ethiopia	8.9198N	39.3957E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E322224	Ethiopia	8.9690N	39.4533E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E322225	Ethiopia	8.9828N	39.4685E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E322226	Ethiopia	9.0271N	39.5334E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E333	Ethiopia	8.9255N	39.9290E	979	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E334000	Ethiopia	8.3064N	39.1021E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E334003	Ethiopia	8.2723N	39.1603E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E334004	Ethiopia	8.2542N	39.1722E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E334223	Ethiopia	8.2696N	39.6172E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E344	Ethiopia	7.2143N	38.5989E	1934	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E344004	Ethiopia	8.4369N	39.3198E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E344144	Ethiopia	8.1818N	39.2427E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E345	Ethiopia	9.1336N	40.1681E	846	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E345116	Ethiopia	8.7897N	39.5794E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E345220	Ethiopia	8.8460N	39.6028E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E345221	Ethiopia	8.8670N	39.6103E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E345223	Ethiopia	8.9172N	39.6368E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E345224	Ethiopia	8.9302N	39.6506E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E345225	Ethiopia	8.9445N	39.6694E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E345227	Ethiopia	8.9498N	39.6902E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E345228	Ethiopia	8.9535N	39.7111E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E345229	Ethiopia	8.9553N	39.7217E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E346	Ethiopia	9.1075N	40.0136E	771	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E346003	Ethiopia	8.6983N	39.5336E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E346004	Ethiopia	8.7097N	39.5491E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E346005	Ethiopia	8.7284N	39.5622E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E346006	Ethiopia	8.7370N	39.5753E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E346009	Ethiopia	8.7730N	39.6214E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E346211	Ethiopia	8.7952N	39.5950E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347	Ethiopia	8.1744N	38.6964E	1799	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347001	Ethiopia	8.7519N	39.6672E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347002	Ethiopia	8.7305N	39.6766E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347004	Ethiopia	8.6967N	39.7088E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347006	Ethiopia	8.6668N	39.7481E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347103	Ethiopia	8.6022N	39.7792E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347144	Ethiopia	8.5848N	39.7906E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347165	Ethiopia	8.5690N	39.8019E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347226	Ethiopia	8.4714N	39.8093E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347229	Ethiopia	8.4320N	39.7420E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347300	Ethiopia	8.4161N	39.7241E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347308	Ethiopia	8.4074N	39.5713E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347422	Ethiopia	8.5588N	39.5887E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E347433	Ethiopia	8.5774N	39.5989E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E399	Ethiopia	9.2415N	40.1334E	770	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E400	Ethiopia	9.3616N	40.2172E	743	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E411	Ethiopia	8.0096N	38.5325E	1905	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E422	Ethiopia	8.8790N	40.0961E	1057	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E433	Ethiopia	9.2549N	39.5022E	3294	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E444	Ethiopia	9.6722N	39.5249E	2831	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E445	Ethiopia	7.7881N	38.7948E	1932	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E446	Ethiopia	8.7090N	39.6909E	1242	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E447	Ethiopia	8.4649N	39.4532E	1448	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E448	Ethiopia	7.6239N	38.9907E	2613	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E449	Ethiopia	8.3144N	39.3212E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E450	Ethiopia	8.2739N	39.4958E	2074	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E451	Ethiopia	8.1485N	39.3478E	2080	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E452	Ethiopia	8.1380N	39.2405E	2200	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E453	Ethiopia	8.0433N	39.0114E	1704	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E454	Ethiopia	8.1182N	39.1385E	2084	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E455	Ethiopia	8.2950N	38.9492E	1683	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E456	Ethiopia	8.4622N	39.0637E	1637	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E457	Ethiopia	8.5848N	39.1320E	1823	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E458	Ethiopia	8.6909N	39.1826E	2057	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E459	Ethiopia	8.7059N	39.3516E	1680	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E460	Ethiopia	8.6215N	39.4488E	1626	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E461	Ethiopia	8.8974N	39.6229E	1155	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E463	Ethiopia	8.2600N	39.2359E	1781	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E464	Ethiopia	8.5680N	39.2907E	1753	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E466	Ethiopia	9.0326N	39.5300E	1720	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E467	Ethiopia	8.3844N	39.6810E	2144	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E468	Ethiopia	8.7821N	39.2628E	2290	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E469	Ethiopia	7.9296N	38.7216E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E700	Ethiopia	8.8823N	39.1544E	2227	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E711	Ethiopia	8.6935N	38.8955E	1980	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E722	Ethiopia	8.4871N	39.8329E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E733	Ethiopia	7.7375N	39.0262E	2496	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E744	Ethiopia	8.3564N	38.8456E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E755	Ethiopia	7.9141N	38.9512E	1745	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E766	Ethiopia	7.7245N	38.6537E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E777	Ethiopia	7.8643N	38.7914E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E788	Ethiopia	8.5931N	39.6977E	1220	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E799	Ethiopia	7.6294N	38.7056E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E880	Ethiopia	8.4781N	39.3106E	1655	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E882	Ethiopia	8.8459N	40.0096E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E883	Ethiopia	7.8019N	38.7919E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E884	Ethiopia	8.6983N	39.4005E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E885	Ethiopia	8.4572N	39.5926E		
Ethiopia-Afar Geoscientific Lithospheric Experiment, GEW45	GEW45	Ethiopia	10.0045N	40.5739E	572	
Ethiopian Broadband Seismic Experiment	FICH	Ethiopia	9.7822N	38.7372E	2825	
Ethiopian Broadband Seismic Experiment	NAZA	Ethiopia	8.5680N	39.2907E	1729	
Ethiopian Broadband Seismic Experiment	JIMA	Ethiopia	7.6840N	36.8310E	1664	
Ethiopian Broadband Seismic Experiment	TEND	Ethiopia	11.7925N	41.0043E	419	
Ethiopian Broadband Seismic Experiment	TERC	Ethiopia	7.1446N	37.1747E	1390	
Ethiopian Broadband Seismic Experiment	WANE	Ethiopia	10.1694N	40.6491E	606	
Ethiopian Broadband Seismic Experiment	DMRK	Ethiopia	10.3080N	37.7290E	2357	
Ethiopian Broadband Seismic Experiment	DELE	Ethiopia	8.4393N	36.3259E	1969	
Ethiopian Broadband Seismic Experiment	HOSA	Ethiopia	7.5640N	37.8573E	2306	
Ethiopian Broadband Seismic Experiment	KARAX	Ethiopia	10.4224N	39.9348E	1753	
Ethiopian Broadband Seismic Experiment	GOBAX	Ethiopia	7.0270N	39.9820E	2732	
Ethiopian Broadband Seismic Experiment	DIYAX	Ethiopia	11.8343N	39.5956E	1922	
Ethiopian Broadband Seismic Experiment	BELAX	Ethiopia	6.9286N	38.4702E	1916	
Ethiopian Broadband Seismic Experiment	WELK	Ethiopia	8.2946N	37.7818E	1896	
Ethiopian Broadband Seismic Experiment	WASH	Ethiopia	8.9895N	40.1659E	917	
Ethiopian Broadband Seismic Experiment	ARBA	Ethiopia	6.0672N	37.5564E	1273	
Ethiopian Broadband Seismic Experiment	BAHI	Ethiopia	11.5743N	37.3934E	1793	
Ethiopian Broadband Seismic Experiment	BDAR	Ethiopia	9.6721N	39.5254E	2802	
Ethiopian Broadband Seismic Experiment	BIRH	Ethiopia	9.6723N	39.5253E	2805	
Ethiopian Broadband Seismic Experiment	BUTA	Ethiopia	8.1171N	38.3824E	2083	
Ethiopian Broadband Seismic Experiment	HIRN	Ethiopia	9.2224N	41.1059E	1816	
Ethiopian Broadband Seismic Experiment	CHEF	Ethiopia	6.1613N	38.2101E	1701	
Ethiopian Broadband Seismic Experiment	HERO	Ethiopia	7.0263N	39.2769E	2374	
Ethiopian Broadband Seismic Experiment	GUDE	Ethiopia	8.9665N	37.7652E	2018	
Ethiopian Broadband Seismic Experiment	NEKE	Ethiopia	9.0890N	36.5237E	2095	From 2014-03-18 to 2017-12-01
Ethiopia, WND	AWND	Ethiopia	7.0400N	38.3700E	1707	
Ethyl Lake Duckett	ELD	Alberta,Canada	54.5358N	110.3320W	564	From 1978-12-01
Etivluk River	D20K	Alaska,U.S.A.	68.7132N	156.6132W	577	From 2017-08-18
Etna Belvedere	EBEL	Sicily,Italy	37.7408N	15.0091E	2808	From 2004-09-14
Etna Monte Colla	EMCO	Sicily	37.9264N	14.9029E	1499	From 2023-01-09
Etna Monte Conca	EMCN	Italy	37.7912N	15.0335E	1911	From 2008-05-15
Etna Monte Frumento Supino	EMFS	Italy	37.7196N	14.9979E	2545	From 2004-07-20
Etowah	ETT	Tennessee,U.S.A.	35.3260N	84.4550W	588	From 1981-11-25
Etsaut	ETSF	Aquitaine,France	42.8986N	0.5592W	910	From 1996-04-03
Etsel Ridge	ETSL	California	39.7208N	123.0540W	1456	From 2022-07-13
Ettelbruck	ETLBK	Luxembourg	49.8137N	6.1351E	343	From 2022-01-13
Eucalyptus Rd Berkeley	C028	California,U.S.A.	37.8509N	122.2459W	104	From 2009-09-29
Euchungdo	ECDB	Republic of Korea	36.1184N	125.9797E	53	From 2015-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Eue Claire	L46A	Michigan,U.S.A.	42.0127N	86.2955W	223	From 2012-09-08
Eugene	I03A	Oregon,U.S.A.	43.9726N	123.2777W	205	From 2005-11-18 to 2008-01-20
Eugene	EUO	Oregon,U.S.A.	44.0294N	123.0689W	160	
Eugowra	EUGM	New South Wales,Australia	33.4182S	148.3418E	290	
Eumseong	EMSB	Republic of Korea	36.9737N	127.6236E	207	From 2011-12-20
Eunice	NM01	Texas	32.3551N	103.3985W	1038	From 2018-05-25
Eureka	P10A	Nevada,U.S.A.	39.6202N	116.4639W	1874	From 2006-06-07 to 2008-09-08
Eureka	EK-NV	Nevada,U.S.A.	39.2089N	115.7103W	1951	From 1963-11-11 to 1964-11-02
Eureka	EUR	Nevada,U.S.A.	39.4833N	115.9700W	2178	From 1958-05-01
Eureka	EUW	Washington,U.S.A.	46.3958N	118.5620W	367	From 1975-06-01
Eureka	F29A	South Dakota,U.S.A.	45.8336N	99.8273W	575	From 2009-08-21 to 2011-08-26
Eureka	EUNU	Nunavut,Canada	80.0533N	86.4158W	628	
Eureka Canyon	EUC	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka Canyon	LT12	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka Canyon	JECB	California,U.S.A.	37.0492N	121.8072W	365	
Eureka Canyon	JECM	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka (L)	EK-	Nevada,U.S.A.	39.2089N	115.7103W	1951	From 1963-11-11 to 1964-11-02
Eureka Mesa	EUM	New Mexico,U.S.A.	36.0131N	106.8440W	2914	From 1976-01-13
Eureka Ridge	ERI	Idaho,U.S.A.	46.5347N	116.2750W	862	From 1971-10-01 to 1974-07-26
Eutaw	EU-AL	Alabama,U.S.A.	32.7792N	87.8739W	43	From 1963-07-02 to 1964-10-22
Eutaw	EU2	Alabama,U.S.A.	32.7964N	87.8847W	43	From 1966-11-12 to 1967-01-16
Eutaw	EU-	Alabama,U.S.A.	32.7792N	87.8739W	43	From 1963-07-02 to 1964-10-22
Eutaw	EU2AL	Alabama,U.S.A.	32.7964N	87.8847W	43	From 1966-11-12 to 1967-01-16
Evagelismos	TYR5	Greece	39.8391N	22.1023E	232	From 2021-03-06 to 2021-04-30
Evander	EVA	Transvaal,South Africa	26.5055S	29.0770E	1621	From 1981-01-01 to 1999-01-31
Evansville	F48A	Ontario,Canada	45.8278N	82.6185W	203	From 2012-11-13
Evansville	EVIN	U.S.A.	37.9716N	87.5297W	140	
Evensk	EVNR	Magadanskaya Oblast',Russia	61.9240N	159.2670E	75	From 2006-05-05
Evensk	EVES	Magadanskaya Oblast',Russia	61.9210N	159.2310E	22	From 1980-06-01 to 1993-07-01
Evensk	EVEN	Magadanskaya Oblast',Russia	61.9140N	159.2290E	17	From 2008-11-23
Everest	EVN	Nepal	27.9568N	86.8167E	5037	
Everett College ANSS-SMO	EVCC	Washington,U.S.A.	48.0073N	122.2055W	30	From 2001-08-28
Everett Gateway Middle School ANSS-SMO	EVGW	Washington,U.S.A.	47.8542N	122.1546W	122	From 2001-07-01
Everett, N17	NCR17	Colorado	39.0709N	106.4768W	3048	
Everglades	EVE	Florida,U.S.A.	25.3873N	80.6828W	1	
Evergreen College	EGRN	Washington,U.S.A.	47.0733N	122.9781W	57	
Evergreen Court Danville	C029	California,U.S.A.	37.7888N	121.9712W	129	From 2009-09-30
Evora	EVO	Portugal	38.5320N	8.0130W	235	
Evora	NE27	Portugal	38.5320N	8.0130W		
Evrytania	EVR	Greece	38.9167N	21.8087E	1050	
E Wide Canyon 2	EW2	California,U.S.A.	33.9406N	116.4084W	639	
Ewing Young ES, Newberg ANSS-SMO	EYES	Oregon,U.S.A.	45.3294N	123.0577W	61	From 2002-09-01
Excelsior	EXC	Nevada,U.S.A.	38.3385N	118.3242W	1823	
Exmoor	HEX	England,United Kingdom	51.0668N	3.8025W	278	From 1991-01-01
Exogi	EXG	Greece	38.4609N	20.6327E	331	From 2010-06-09
Experimental Lakes	EPLO	Ontario,Canada	49.6737N	93.7258W	437	
Experimental Station Corozal Puerto Rico, UPR	ECPR	Puerto Rico	18.3187N	66.3629W	205	From 2017-06-20
Experiment Station	EXSG	California,U.S.A.	37.6137N	118.8310W	2153	From 1984-07-01
Extrema	ETMB	Rondonia,Brazil	9.8168S	66.2137W	118	From 2014-07-27
Extrema - RO	ETM2	Rondonia	9.6800S	66.1800W	140	From 2019-04-09
Eyewell Forest, DAR2	DARN2	South Island	43.4039S	172.3723E	113	
Eyrewell	EYCZ	South Island,New Zealand	43.4214S	172.3554E	150	From 2012-03-28
Eystri-Skogar	IESK	Iceland	63.5250N	19.4510W	95	From 2001-10-04
Ezine	EZN	Turkey	39.8258N	26.3253E	50	From 1970-08-01
Ezine-Canakkale	EZNE	Turkey	39.7560N	26.3655E	75	From 2018-04-11
FA05	FA05	Finland	62.5550N	31.2190E	152	
FA06	FA06	Finland	62.2260N	30.6110E	78	
FA07	FA07	Finland	61.9110N	29.9910E	83	
FA08	FA08	Finland	61.5510N	29.3600E	85	
FA09	FA09	Finland	61.2100N	28.9450E	80	
FA10	FA10	Finland	60.9010N	28.2320E	63	
FA11	FA11	Finland	60.5370N	27.5550E	20	
Fabach, Johanniskirchen, Bavaria	A147B	Germany	48.5300N	12.9776E	428	From 2016-07-25
Fabra	FBR	Spain	41.4164N	2.1250E	405	
Fabrichnaya	FAB	Kazakhstan	43.1470N	76.4470E	1050	
Fachingen	FACH	Rheinland-Pfalz,Germany	50.3563N	7.9938E	112	
Facolt di Architettura Valle Giulia, Rome	NR09	Italy	41.9190N	12.4809E	54	From 2021-01-19 to 2021-04-07
Facultad de Ingeniera (UBA)	FIUBA	Buenos Aires	34.5905S	58.4838W	43	From 2015-03-06
Faenza	FAE	Italy	44.3056N	11.8833E	48	
Faenza	FAZ	Italy	44.2980N	11.8907E	72	From 2003-04-02
Faenza	FAEN	Italy	44.2895N	11.8770E	41	From 2007-09-17
Fagaras	FAG	Romania	45.8443N	24.9704E	428	From 2015-09-10
Fagaras	FAGR	Romania	45.8361N	24.9354E	435	From 2021-10-04
Fagnano	FAGN	Italy	42.2660N	13.5840E	760	From 2004-05-11
Fagurholsmyri	IFAG	Iceland	63.8750N	16.6540W	27	From 1999-05-14
Fahy-Ls-Autrey	FAHY	Franche Comte	47.5055N	5.4631E	237	From 2019-01-10
FAI	FAIMX	Baja California	31.8367N	115.9023W	1664	
FAICCHIO	FAI02	Italy	41.2784N	14.4790E	174	From 2009-01-01
Faicchio (BN)	T1012	Italia	41.2623N	14.4965E	598	From 2013-12-31 to 2014-03-03
Failaka Island	FKI	Kuwait	29.4471N	48.3132E	6	
Fairbairn	FAIR	Queensland,Australia	23.6565S	148.0772E	290	
Fairbanks	FB2AK	Alaska,U.S.A.	64.9100N	147.4464W	343	
Fairbanks	FBA	Alaska,U.S.A.	64.9000N	147.7933W	320	From 1978-08-13 to 1996-12-31
Fairbanks	FBAS	Alaska,U.S.A.	64.7711N	146.8860W	400	
Fairbanks	FB-AK	Alaska,U.S.A.	64.9519N	148.2842W	716	
Fairbanks	FBK	Alaska,U.S.A.	64.8994N	148.0060W	330	From 1970-09-01 to 1972-04-30
FAIRBANKS INFRASONIC ARRAY REFERENCE POINTS	GBU	Alaska,U.S.A.	64.8750N	147.8611W	200	From 2002-09-17
Fairbanks--Long Period	FBAL	Alaska,U.S.A.	64.9100N	147.4464W	365	
Fairbourne	WFB	Wales,United Kingdom	52.6830N	4.0378W	325	From 1985-01-01
Fairfield	D25A	North Dakota,U.S.A.	47.1508N	103.3203W	850	From 2009-07-22 to 2011-06-18
Fairfield	FAIS	North Island,New Zealand	41.2074S	174.9401E	61	From 2011-07-12
Fair Harbour	FHRB	British Columbia,Canada	50.0537N	127.1186W	0	From 2009-03-12
Fair Harbour	FHBB	British Columbia,Canada	50.0605N	127.1146W	12	From 2019-11-19
Fairlie District Council Garage	FDCS	South Island,New Zealand	44.0987S	170.8287E	318	From 2002-07-05
Fairmont	FTW	Washington,U.S.A.	47.8767N	122.2010W	147	From 1975-09-24
Fairpoint	H26A	South Dakota,U.S.A.	44.6168N	102.7739W	879	From 2009-06-20 to 2011-06-02
Fairview Park	FPN1	Nevada,U.S.A.	39.2488N	118.1620W	2002	
Fairview Peak	FPN	Nevada,U.S.A.	39.2040N	118.1560W	2256	From 1971-09-30 to 1999-08-25
Faith Ranch, Carrizo Springs	832A	Texas,U.S.A.	28.2844N	99.9743W	238	From 2009-12-07 to 2011-10-12
Faizzone	MZ23	Italy	42.6478N	13.2997E	1025	From 2016-09-28 to 2016-10-26
Faja de Cima	FAC	Azores,Portugal	37.7732N	25.6505W	191	From 1981-01-01
Fakeheh	FKH	Lebanon	34.2448N	36.4102E	1152	From 2004-12-01
Fak Fak	FAKI	Irian Jaya,Indonesia	2.9192S	132.2489E	136	From 2008-11-27
Falconara Albanese	FALC	Italy	39.2721N	16.0796E	560	From 2019-04-04
falda E V. Baru	DAP26	Panama	8.7877N	82.4225W	1227	
falda S V. Baru	BANCO	Panama	8.7185N	82.5287W	1429	
Fali, AMB	VAMB	Vanuatu	16.2500S	167.9100E	200	
Faliron Pireas	PIR2	Greece	37.9457N	23.6709E	17	From 2012-09-01
Falk	FKPU	Sweden	58.1591N	13.7241E	305	From 2004-08-07
Falkenberg	FALK	Bayern,Germany	49.8606N	12.2248E	465	
Falkenberg	FABU	Sweden	57.0011N	12.7184E	80	From 2006-10-07
Falkendorf, Steiermark	A028A	Austria	47.1029N	13.9958E	1105	From 2015-09-07
Falkenstein	A001A	Austria	48.7287N	16.5904E	337	From 2015-05-06
Falkland Islands	FLK	Falkland Islands	51.8365S	58.4465W	10	From 1992-11-06
Fall Branch	U53A	Tennessee,U.S.A.	36.3644N	82.5765W	559	From 2012-05-21
Falling Springs	FAL	California,U.S.A.	34.3098N	117.8092W	2316	
Falljokull	IFAL	Iceland	63.9577N	16.8219W	109	From 2013-07-15
Fallon	P07A	Nevada,U.S.A.	39.5399N	118.8893W	1218	From 2006-02-25 to 2008-03-10
Fall River	FLR	Massachusetts,U.S.A.	41.7167N	71.1215W	52	From 1975-03-24 to 1999-01-31
False Pass	FSP	Alaska,U.S.A.	54.9533N	163.4570W	200	
False Pass	FALS	Alaska,U.S.A.	54.8564N	163.4175W	45	From 2002-06-19
Falun	FALU	Sweden	60.4943N	15.8318E	150	From 2002-01-15
Famagusta	FAM	Cyprus	34.9961N	34.0019E	68	From 1987-02-01 to 1998-11-30
Famara	EFAM	Spain	29.1275N	13.5295W	135	
Fancy Village	SFAN	St Vincent,Saint Vincent and the Grenadines	13.3838N	61.1721W	229	
F and S Farms, Texico	X27A	New Mexico,U.S.A.	34.6469N	103.0974W	1304	From 2008-04-28 to 2010-03-16
Fangliau	SCZT	Taiwan region	22.3720N	120.6200E	74	
Fanhoes/Loures	AML03	Portugal	38.8824N	9.1531W	216	From 2019-09-19
Fanlu	WCKO	Taiwan region	23.4385N	120.6047E	282	From 2016-06-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Fanning Island	FAN	Line Islands,Kiribati	4.0000N	159.6670W		
Fano	MFNN	Italy	43.8230N	13.0087E	24	From 2001-05-30
Fano Adriatico	RM18	Italy	42.5499N	13.5318E	853	From 2009-04-09 to 2009-06-23
Fanzolo, Italy	MFAN	Italy	45.7119N	11.9989E	65	From 2010-07-06
Faraa	FRAS	Saudi Arabia	21.0584N	40.5183E	1996	
Farallon Islands	FARB	California,U.S.A.	37.6978N	123.0011W	-18	From 1997-03-15
Farallon Islands	NFIM	California,U.S.A.	37.6983N	123.0000W	107	From 1971-05-05
Farasan al Kabir	FRSS	Saudi Arabia	16.7383N	42.1152E	66	
Faratahi	FRT	Tuamotu,French Polynesia	18.1700S	141.0420W	2	From 1976-01-01
Far de la Banya	CFAR	Spain	40.5604N	0.6614E	2	From 2016-03-15
Fardella	BFRD	Italy	40.1139N	16.1671E	753	From 2011-12-18
Farellones	FCH	Santiago,Chile	33.3276S	70.2906W	2770	From 1982-01-01
Farewell, AK	L20K	Alaska,U.S.A.	62.4787N	153.8798W	673	From 2015-08-17
Fargo Canyon	FRGC	California,U.S.A.	33.7572N	116.0623W	887	
Farigliano, Viaiano	A280A	Italy	44.5391N	7.9089E	288	From 2015-09-15
Faris Peak	WFAR	Alaska,U.S.A.	54.5371N	164.7765W	640	
Farkhor	FARK	Tajikistan	37.5256N	69.4045E	1406	From 2001-10-08
Farley Peak	KFPM	California,U.S.A.	39.6392N	123.4240W	796	
Farmers Branch	FW09	Texas,U.S.A.	32.9228N	96.9139W	310	From 2016-09-30
Farmers Butte	FBO	Oregon,U.S.A.	44.3099N	122.5780W	1080	From 1991-09-01
Farmington	FARG	New Mexico,U.S.A.	36.7781N	108.1870W	1801	From 1977-10-01 to 1999-08-25
Farmland	O48A	Indiana,U.S.A.	40.2571N	85.1553W	300	From 2012-06-21
Farmland	O48B	Indiana,U.S.A.	40.2571N	85.1553W	300	From 2016-01-12
Farmville	FRV	Virginia,U.S.A.	37.2030N	78.3593W	216	From 1978-10-10 to 2004-09-30
Farnham Drive Newark	C002	California,U.S.A.	37.5585N	122.0345W	7	From 2009-03-09
Faro	FAR	Portugal	37.0189N	7.9722W	8	
Faro	PFARO	Portugal	37.0259N	7.9224W	18	From 2015-02-27
Faro	FARH	Ecuador	0.0355S	78.5095W	3595	
Faro, Yukon	FARO	Yukon Territory,Canada	62.2296N	133.3481W	713	From 2013-07-01
Farra di Soligo, Italy	MPRO	Italy	45.9106N	12.1070E	281	From 2010-06-07
Farr-Stevens Ranch, Sargent	738A	Texas,U.S.A.	28.8404N	95.6481W	13	From 2010-02-16 to 2011-11-11
FARRUKHABAD	FRKB	Uttar Pradesh	27.3970N	79.5730E	138	From 2018-01-22
Farsala	FRS1	Thessaly,Greece	39.2935N	22.3844E	163	From 2011-06-15
Farson	L19A	Wyoming,U.S.A.	42.1012N	109.3575W	2034	From 2007-10-24 to 2009-10-15
Fartura	FRTB	Sao Paulo,Brazil	23.3435S	49.5635W	531	
Far West T-bar	FWVZ	North Island,New Zealand	39.2549S	175.5530E	2043	From 1999-05-11
Fasano	FASA	Italy	40.8162N	17.3541E	172	From 2011-04-14
Fasnia	TFAS	Canary Islands	28.2368N	16.4391W	434	From 2016-11-08
Fath-abad	IFTB	Iran	38.0171N	46.3944E	2222	From 2008-01-01
Fatmalar	FAT	Turkey	36.9065N	31.5136E	472	From 1975-04-01
Faulkton	G30A	South Dakota,U.S.A.	45.1293N	99.1446W	496	From 2009-09-09 to 2011-07-12
Faultless	FA-NV	Nevada,U.S.A.	38.6406N	116.2228W	1920	
Fauresmith	FRS	Orange Free State,South Africa	29.7500S	25.3217E	1420	From 1985-01-01 to 2000-09-01
Fauske	FAUS	Norway	67.3820N	15.2878E	92	From 2014-06-23
Favara	FAVR	Sicily,Italy	37.2671N	13.6669E	258	
Favara	FAI	Sicily,Italy	37.2758N	13.6756E	149	From 1983-04-01
Favara	FA1	Sicily,Italy	37.3000N	13.6600E	330	From 1983-04-01
Favara	FAVA	Sicily	37.3288N	13.6600E	328	From 2021-07-01
Fayetteville	FAV	Arkansas,U.S.A.	36.1214N	94.1906W	387	From 1969-07-01
Fayetteville	FAY	Arkansas,U.S.A.	36.0911N	94.1911W	404	From 1952-01-01 to 1969-07-31
Fayid	FYD	Egypt	30.2930N	32.2310E	200	
Fayoum	RYAN	Egypt	29.0820N	30.2770E	123	From 2014-09-01
Faz. Rancharia - MS	FRNC1	Mato Grosso,Brazil	18.6011S	55.8295W	136	From 2011-07-14
FB03	FB03	Finland	63.2500N	32.0320E	190	
FB05	FB05	Finland	62.8120N	30.5960E	160	
FB06	FB06	Finland	62.4880N	30.0060E	90	
FB07	FB07	Finland	62.1300N	29.6020E	105	
FB08	FB08	Finland	61.8500N	28.7960E	105	
FB09	FB09	Finland	61.4650N	28.2050E	110	
FB10	FB10	Finland	61.1410N	27.6160E	110	
FB11	FB11	Finland	60.7860N	27.0180E	55	
FC03	FC03	Finland	63.9250N	30.9030E	185	
FC03D	FC03D	Pacific Ocean West Coast USA	44.8133N	124.7383W	-432	From 2014-09-07 to 2015-10-02
FC04	FC04	Finland	63.4330N	30.4140E	150	
FC05	FC05	Finland	63.0590N	29.8680E	145	
FC06	FC06	Finland	62.7630N	29.3750E	90	
FC07	FC07	Finland	62.4090N	28.7250E	100	
FC08	FC08	Finland	62.1060N	28.0630E	80	
FC09	FC09	Finland	61.7450N	27.4940E	115	
FC10	FC10	Finland	61.3880N	26.9450E	95	
FC11	FC11	Finland	61.0360N	26.3980E	75	
FD03	FD03	Finland	64.0570N	30.3050E	225	
FD04	FD04	Finland	63.6640N	29.8730E	157	
FD05	FD05	Finland	63.3490N	29.2370E	95	
FD06	FD06	Finland	63.0120N	28.6070E	145	
FD07	FD07	Finland	62.6560N	27.9950E	170	
FD08	FD08	Finland	62.3230N	27.3900E	127	
FD09	FD09	Finland	61.9890N	26.8780E	122	
FD11	FD11	Finland	61.2860N	25.7210E	105	
FD12	FD12	Finland	60.9490N	25.1580E	120	
FD14	FD14	Finland	60.1890N	24.1950E	45	
FD15	FD15	Finland	59.8430N	23.2460E	2	
FE03	FE03	Finland	64.2760N	29.8350E	178	
FE04	FE04	Finland	63.9340N	29.1020E	195	
FE05	FE05	Finland	63.5820N	28.5830E	183	
FE06	FE06	Finland	63.2810N	27.9110E	114	
FE07	FE07	Finland	62.9190N	27.4170E	90	
FE08	FE08	Finland	62.5910N	26.7350E	105	
FE09	FE09	Finland	62.1110N	26.3090E	195	
FE10	FE10	Finland	61.9020N	25.6600E	95	
FE11	FE11	Finland	61.5290N	25.0420E	150	
FE12	FE12	Finland	61.1890N	24.4610E	95	
FE13	FE13	Finland	60.8320N	23.9690E	122	
FE14	FE14	Finland	60.4820N	23.4690E	178	
FE15	FE15	Finland	60.1130N	22.9340E	80	
Feather Falls	FEA	California,U.S.A.	39.6191N	121.2460W	1227	From 1966-06-01 to 1969-01-31
Featherly Pass	FLP	Alaska,U.S.A.	57.7117N	156.2650W	485	From 1975-10-01
Featherston Primary School	FTPS	North Island,New Zealand	41.1187S	175.3274E	44	From 2001-12-11
Federal Ranch	FRC	British Columbia,Canada	56.4417N	122.3830W		From 1967-12-01 to 1973-04-06
Fedgar	IFED	Iceland	64.0251N	19.6909W	432	From 2012-08-14
Ff, Capesterre Belles Eaux	CBE	Guadeloupe,France	16.0697N	61.6071W	378	From 2012-09-17
Fehrvrcsurg	MSW2	Hungary	47.3023N	18.2109E	286	From 2020-03-26
Feichten	FETA	Austria	47.0211N	10.7291E	1632	From 2006-12-13
Feilding Agricultural High School	FAHS	North Island,New Zealand	40.2135S	175.5730E	85	From 2002-07-24
Feke	FEKT	Turkey	37.8070N	35.9070E	690	From 1993-01-01
Feldberg	FEL	Baden-Wurttemberg,Germany	47.8758N	8.0127E	1330	From 1961-01-01 to 1996-04-30
Feldberg im Schwarzwald	FELD	Baden-Wurttemberg,Germany	47.8753N	8.0030E	1472	From 1996-04-01
Felix, Anita	M36A	Iowa,U.S.A.	41.4537N	94.8021W	430	From 2010-11-06 to 2012-08-31
Fenais da Ajuda	PFAD	Azores,Portugal	37.8388N	25.3231W	291	From 2003-12-01
Fenestrelle	FENE	Italy	45.0302N	7.0627E	1000	From 1996-10-01 to 2009-09-30
Feng-lin	TWE*	Taiwan region	23.7367N	120.4255E	140	
Fenglin Township	WARBT	Taiwan region	23.7178N	121.3862E	331	From 2017-06-19
Fenwick Farm, Montrose	R38A	Missouri,U.S.A.	38.1868N	93.9056W	237	From 2010-12-05 to 2012-09-29
Feodosiya	FEO	Crimea	45.0190N	35.3900E	40	
Ferdows	FRDS	Iran	34.1394N	58.2106E	1487	
Fergana	FRG	Uzbekistan	40.3742N	71.7840E	581	
Ferguson	FERR	Nevada,U.S.A.	38.5928N	118.1750W	1646	From 1976-03-01
Ferguson Farm, Pottsville	W40A	Arkansas,U.S.A.	35.1923N	93.0693W	108	From 2011-01-25 to 2012-11-06
Ferguson Road	FEGZ	New Zealand	39.0472S	174.3401E	182	From 2023-05-09
Fermate	NQWLB	Haiti	18.4941N	72.3150W	905	
Fernandina1, Punta Espinoza	FER1	Galapagos,Ecuador	0.4881S	91.4481W	64	From 2012-10-09
Fernandina2, Punta Mangle	FER2	Galapagos,Ecuador	0.4665S	91.4106W	250	From 2012-10-09
Fernando de Noronha	FNDO	Brazil	3.8333S	32.4167W		
Ferndale	FER	California,U.S.A.	40.5767N	124.2620W	15	From 1933-01-01
Fern Forest	FEF	Hawaii,U.S.A.	19.4783N	155.1490W	691	
Fernie	FRN	British Columbia,Canada	49.4833N	114.9770W		
FERRARA	FEM5	Italy	44.8450N	11.6254E	-143	From 2020-08-10
Ferrara borehole (Italy)	FERB	Italy	44.9014N	11.5400E	-129	From 2012-09-18
Ferrara-Casaglia	FERS	Italy	44.9035N	11.5406E	3	From 2012-12-21

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ferrara Citta	FECT	Italy	44.8675N	11.6264E	-55	
Ferry Basin	FBMT	Montana,U.S.A.	47.4068N	114.4222W	1518	
Festivo Court Fremont	C050	California,U.S.A.	37.5240N	121.9256W	106	From 2010-09-13
Feteiras	PFET	Azores,Portugal	37.8174N	25.7886W	342	From 2004-06-01
Fethiye	FETY	Turkey	36.6353N	29.0835E	452	From 2004-12-03
Fethiye-Mugla	FETI	Turkey	36.6901N	29.0962E	20	From 2011-04-21
Fevzi Cakmak	RFT6	Turkey	38.7358N	26.8395E	20	From 2017-06-18
FF02	FF02	Finland	64.7800N	30.0060E	225	
FF04	FF04	Finland	64.2070N	28.4750E	175	
FF05	FF05	Finland	63.8210N	27.9900E	170	
FF06	FF06	Finland	63.5020N	27.2050E	125	
FF07	FF07	Finland	63.1920N	26.5940E	113	
FF11	FF11	Finland	61.7980N	24.2870E	155	
FF12	FF12	Finland	61.3740N	23.8780E	125	
FF13	FF13	Finland	61.0550N	23.3430E	108	
FF14	FF14	Finland	60.6930N	22.8190E	177	
FF15	FF15	Finland	60.4160N	22.4430E	60	
FF30	FF30	Finland	64.4950N	29.0990E	220	
FF31	FF31	Finland	64.3770N	28.6720E	240	
FF32	FF32	Finland	64.3860N	29.4280E	230	
FF33	FF33	Finland	64.6210N	28.8150E	205	
FF90	FF90	Finland	62.4870N	25.4720E	194	
FF91	FF91	Finland	62.6540N	25.6920E	120	
FF92	FF92	Finland	62.4030N	25.9020E	120	
FF93	FF93	Finland	62.2890N	25.3070E	220	
FF94	FF94	Finland	62.5690N	25.0570E	237	
FG01	FG01	Finland	65.4380N	29.5580E	218	
FG02	FG02	Finland	65.1560N	29.1000E	220	
FG03	FG03	Finland	64.8240N	28.4120E	223	
FG04	FG04	Finland	64.4510N	27.7780E	221	
FG05	FG05	Finland	64.1480N	27.2050E	135	
FG06	FG06	Finland	63.7640N	26.5380E	142	
FG07	FG07	Finland	63.4190N	25.8970E	157	
FG08	FG08	Finland	63.0840N	25.3700E	128	
FG09	FG09	Finland	62.7210N	24.7910E	188	
FG10	FG10	Finland	62.3990N	24.2360E	150	
FG11	FG11	Finland	62.0890N	23.7340E	309	
FG12	FG12	Finland	61.6510N	23.1290E	62	
FG13	FG13	Finland	61.3080N	22.6850E	70	
FG14	FG14	Finland	60.9570N	22.1070E	64	
FH02	FH02	Finland	65.4120N	28.2690E	231	
FH03	FH03	Finland	65.0610N	27.6110E	213	
FH04	FH04	Finland	64.7040N	27.1100E	140	
FH05	FH05	Finland	64.3570N	26.5070E	115	
FH06	FH06	Finland	64.0260N	25.8150E	119	
FH07	FH07	Finland	63.6820N	25.1990E	112	
FH09	FH09	Finland	62.9610N	24.1320E	151	
FH10	FH10	Finland	62.6230N	23.5270E	127	
FH11	FH11	Finland	62.2400N	23.0670E	142	
FH12	FH12	Finland	61.9020N	22.3530E	111	
FH13	FH13	Finland	61.5610N	22.0080E	63	
FH14	FH14	Finland	61.2390N	21.4730E	108	
Fiagdon	FIGK	Severo-Osetinskaya	42.8356N	44.3077E	1231	From 2000-10-01
Fiamignano	FIAM	Italy	42.2680N	13.1172E	1070	From 2004-07-02
Fiarum2 CEA PB3	FRM2	Baja California	32.5953N	115.9460W	247	
FICAROLO	FIC	Italy	44.9538N	11.5170E	570	From 2017-07-13
Ficken Ranch, Kirk	P27A	Colorado,U.S.A.	39.5559N	102.5782W	1286	From 2009-02-03 to 2010-10-16
Fickle Hill	FHC	California,U.S.A.	40.8017N	123.9850W	610	From 1968-12-01
Fiddyment Ranch	AFRM	California,U.S.A.	38.7923N	121.3490W	31	From 1976-12-02
Fieale Koma	FIK	Djibouti	11.5936N	42.5101E	100	
Fields	L08A	Oregon,U.S.A.	42.1901N	118.3445W	1490	From 2006-06-19 to 2008-04-19
Fields Point	FPW	Washington,U.S.A.	47.9667N	120.2130W	352	From 1975-06-01
Fieri	FIER	Albania	40.7173N	19.5671E	15	From 2014-01-17
Fierza	FRZ	Albania	42.2813N	20.0382E		
Fiescheralp	FIESA	Switzerland	46.4353N	8.1104E	2338	From 2009-11-12
Fiesheim UWZ	BA04	Nordrhein-Westfalen,Germany	50.7620N	6.7941E	118	From 2006-10-01
Fiesole	FIE	Italy	43.8072N	11.2944E	348	From 2003-07-10
Fife Lake	H46A	Michigan,U.S.A.	44.5397N	85.2034W	329	From 2012-11-08
FIGLINE VALDARDO	FGV	Italy	43.6014N	11.4116E	344	From 2003-07-09
Fig Tree	FGTQ	Queensland,Australia	20.9701S	147.7760E	220	From 1987-08-03
Figueroa Mtn.	FIGC	California,U.S.A.	34.7283N	119.9880W	945	
Figuig	FIGM	Morocco	32.1330N	1.2620W	1238	
Figuil, CM30	ACM30	Cameroon	9.7570N	13.9500E	279	
Fila Aguacate, AGC	CAGC	Costa Rica	9.6343N	84.3500W	363	
Fila Bonilla	FIBO	Costa Rica	10.0192N	83.7075W	2160	
Fila Carbon	FICA	Costa Rica	9.7375N	82.8945W	204	
Filadelfia	FDPY	Paraguay	22.2770S	59.9439W	137	From 2017-03-10
Filadelfia	DELF	Costa Rica,Costa Rica	10.4480N	85.5530W	27	
Fila de Piedra	FIPE	Venezuela	7.9697N	71.2511W	600	From 1984-01-01
Filaki	VFI	Greece	39.2352N	22.5921E	360	From 1982-10-01
Fila Mora	FIMO	Costa Rica	8.9898N	83.3537W	1108	
Fila Paraiso	ELPA	Venezuela	7.7917N	71.7253W	1285	From 1984-01-01
Filetto	RM08	Italy	42.3719N	13.5047E	1054	From 2009-04-06 to 2009-08-31
Fili	COUR	Greece	38.0977N	23.6488E	400	
Filicudi I Eolie	IFIL	Sicily,Italy	38.5640N	14.5660E	200	From 1979-01-01
Filignano	CERA	Italy	41.5978N	14.0183E	800	From 2006-07-20
Fillmore	Q15A	Utah,U.S.A.	38.9995N	112.3793W	1477	From 2007-05-22 to 2008-11-15
Fillmore	FM-	Utah,U.S.A.	39.2183N	112.2069W	1890	From 1961-10-07 to 1966-03-12
Fillmore	FIL	California,U.S.A.	34.4238N	118.8350W	243	
Fillmore	FM-UT	Utah,U.S.A.	39.2183N	112.2069W	1890	From 1961-10-07 to 1966-03-12
Fillols	FILF	Languedoc-Rousillon,France	42.5603N	2.5603E	850	From 1998-09-09
Fina el amate	PCG4	Guatemala	14.3418N	90.6010W	1500	From 2021-02-24
Finale Ligure	FNLG	Italy	44.1706N	8.3499E	0	From 2022-12-13
Finale Ligure	FIN	Italy	44.2092N	8.2083E	590	From 1984-01-01 to 2009-09-30
Finale Ligure	FINB	Italy	44.1775N	8.3253E	85	From 2008-01-01
Finca Alexandra	RITO	Costa Rica	10.7733N	84.9305W	144	From 2004-01-01
Finca Concepcion	VERA	Costa Rica	10.8535N	84.8690W	72	From 2004-01-01
Finca Echandi	CVIMO	Costa Rica,Costa Rica	10.0243N	83.9432W	1754	
Finca el Limon	LIMN	Nicaragua	13.0624N	86.3662W	874	From 2015-10-07
Finca La Fe, Paquera, Puntarenas	LAFE	Costa Rica	9.8072N	84.9103W	69	From 2000-01-01
Finca la Perla	LAPC	Costa Rica	10.7675N	85.4328W	359	From 2000-01-01
Finca Las Imgenes	GBS3	Costa Rica	10.7818N	85.4550W	359	From 2000-01-01
Fine	FINE	New York,U.S.A.	44.2650N	75.1670W	354	
FINESS Array Beam Reference Point	FINES	Finland	61.4436N	26.0771E	150	
FINESS Array Site A0	FIA0	Finland	61.4436N	26.0771E	156	From 1990-01-01
FINESS Array Site A1	FIA1	Finland	61.4445N	26.0793E	138	
FINESS Array Site A2	FIA2	Finland	61.4412N	26.0737E	162	
FINESS Array Site A3	FIA3	Finland	61.4447N	26.0716E	153	
FINESS Array Site B1	FIB1	Finland	61.4441N	26.0845E	165	
FINESS Array Site B2	FIB2	Finland	61.4391N	26.0818E	159	
FINESS Array Site B3	FIB3	Finland	61.4394N	26.0706E	176	
FINESS Array Site B4	FIB4	Finland	61.4436N	26.0650E	158	
FINESS Array Site B5	FIB5	Finland	61.4467N	26.0711E	143	
FINESS Array Site B6	FIB6	Finland	61.4469N	26.0808E	147	
FINESS Array Site C1	FIC1	Finland	61.4384N	26.0596E	158	
FINESS Array Site C2	FIC2	Finland	61.4488N	26.0612E	154	
FINESS Array Site C3	FIC3	Finland	61.4527N	26.0772E	133	
FINESS Array Site C4	FIC4	Finland	61.4489N	26.0899E	145	
FINESS Array Site C5	FIC5	Finland	61.4397N	26.0917E	161	
FINESS Array Site C6	FIC6	Finland	61.4346N	26.0760E	159	
Finlay Fork	FNC	British Columbia,Canada	55.9917N	123.2500W		
Finnes	NBB30	Norway	66.9732N	13.7354E	20	From 2013-08-01 to 2016-06-01
Finn Hill Junior High School	FINN	Washington,U.S.A.	47.7191N	122.2319W	10	
Finntorp	FINU	Sweden	59.4026N	12.4766E	229	From 2005-05-01
Finschhafen	FINC	Papua New Guinea	6.6167S	147.8570E	7	From 1992-05-20
Finsterwolde	FSW	Netherlands	53.2146N	7.1204E	0	
Finsterwolde 1	FSW1	Netherlands	53.2135N	7.1195E	1	From 2010-04-29
Finsterwolde 2	FSW2	Netherlands	53.2135N	7.1195E	-74	From 2010-04-29
Finsterwolde 3	FSW3	Netherlands	53.2135N	7.1195E	-149	From 2010-04-29

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Finsterwolde 4	FSW4	Netherlands	53.2135N	7.1195E	-224	From 2010-04-29
Finsterwolde 5	FSW5	Netherlands	53.2135N	7.1195E	-299	From 2010-04-29
Fintinele	FTB	Romania	46.6892N	23.0544E	1100	From 1979-01-01
Finto	AFINE	Ethiopia	12.0681N	40.3160E	782	
Fiordimonte	FDMO	Italy	43.0365N	13.0873E	550	From 2008-03-27
Firariana	FRR	Madagascar	18.7169S	47.6000E	1555	From 1973-06-01 to 1978-11-16
Fira-Santorini	THR7	Greece	36.4224N	25.4284E	315	From 2010-03-06 to 2015-11-20
Firavahana	FIRM	Madagascar	18.7002S	46.8786E	1748	From 2001-07-22
Firdgum	FDG1	Netherlands	53.2562N	5.5481E	-29	From 2009-10-13
Firdgum	FDG4	Netherlands	53.2562N	5.5481E	-119	From 2009-10-13
Firdgum	FDG2	Netherlands	53.2562N	5.5481E	-59	From 2009-10-13
Firdgum	FDG3	Netherlands	53.2562N	5.5481E	-89	From 2009-10-13
Fire Island	FIS	Alaska,U.S.A.	61.1442N	150.2190W	76	From 1974-09-24 to 1976-05-04
Fire Island	FIB	Alaska,U.S.A.	61.1662N	150.1753W	62	From 1996-01-01
Firenze	FIR	Italy	43.7739N	11.2550E	46	
Firenze Novoli	FRZN	Italy	43.7934N	11.2223E	90	From 2019-03-25
FIRENZE SEDE REGIONE	FZE	Italy	43.7787N	11.2581E	108	From 2016-06-27
Fire Station 11	PH04	Texas	35.2360N	101.9130W	1048	From 2018-10-25
Firoozkooh	IFIR	Iran	35.6415N	52.7536E	2380	From 1996-01-01
Firsovo	FRSO	Sakhalinskaya Oblast',Russia	47.6500N	142.5670E	5	From 1979-01-01 to 1981-01-01
First Sedna Site,Hudson Bay	SEDN	Nunavut,Canada	63.2502N	91.2081W	121	From 2006-08-24
Firth Court Fremont	C001	California,U.S.A.	37.5215N	121.9338W	96	From 2009-01-14
Fish Creek	FSHM	Victoria,Australia	38.7565S	145.9996E	420	
Fish Creek Ranch, Battle Mountain	O09A	Nevada,U.S.A.	40.1697N	117.1899W	1491	From 2006-04-22 to 2008-03-08
Fish Haven	L16A	Idaho,U.S.A.	42.0149N	111.4319W	2013	From 2007-07-13 to 2009-05-06
Fish Lake Valley	FLV	Nevada,U.S.A.	37.8139N	117.9104W	1689	
Fishrie	MFI	Scotland,United Kingdom	57.6116N	2.2953W	220	From 1988-01-01
Fish Springs	FSU	Utah,U.S.A.	39.7225N	113.3910W	1487	From 1979-06-01
Fiskardo	FSK	Greece	38.4593N	20.5623E	113	From 2012-03-24
Fistikli	FSTK	Turkey	40.4975N	28.8955E	123	From 2005-11-18
Fitz Hughes	SVFH	St Vincent	13.2969N	61.2312W	57	From 2021-07-13
Fitzpatrick Place, Clyde Park	F17A	Montana,U.S.A.	45.9054N	110.6590W	1545	From 2007-10-21 to 2009-09-09
Fitzroy Crossing	FITZ	Western Australia,Australia	18.0982S	125.6401E	117	From 1994-09-01
Fitzroy Crossing	FITX	Western Australia,Australia	18.1092S	125.6428E	110	From 1995-03-19 to 1996-09-11
Fitzroy Falls	FTZM	New South Wales,Australia	34.6421S	150.4838E	711	
Fitzroy Harbor	FHO	Ontario,Canada	45.4550N	76.2170W	72	From 1979-04-01 to 1982-01-11
Fitzsimmons Farm, Good Thunder	I36A	Minnesota,U.S.A.	44.0191N	94.0143W	307	From 2010-09-20 to 2012-09-12
Fiuggi	FIUG	Italy	41.7843N	13.2300E	607	From 2023-09-13
Fiumefreddo	EFIU	Sicily,Italy	37.7896N	15.2103E	97	From 2009-05-26
Fiuminata	FIU1	Italy	43.1886N	12.9316E	465	From 2011-03-14
Fiuminata	FMNT	Italy	43.1836N	12.9381E	493	From 2019-03-07
Five Bridges	MFBM	California,U.S.A.	37.4293N	118.4289W	1348	
Five Rivers Env. Education Center, Delmar	K60A	New York,U.S.A.	42.6168N	73.8886W	79	From 2013-09-13
Fivizzano	TFIV	Italy	44.2360N	10.1210E	329	From 2002-08-01
Fivizzano	FVZ	Italy	44.2382N	10.1311E	428	
Fivizzano	FIVI	Italy	44.2393N	10.1273E	380	From 2006-01-01
FJ01	FJ01	Finland	66.0370N	28.3050E	265	
FJ02	FJ02	Finland	65.6600N	27.6510E	215	
FJ03	FJ03	Finland	65.2970N	26.9640E	120	
FJ05	FJ05	Finland	64.6210N	25.7190E	47	
FJ06	FJ06	Finland	64.2760N	25.0890E	103	
FJ07	FJ07	Finland	63.9220N	24.4860E	84	
FJ08	FJ08	Finland	63.5490N	23.9140E	112	
FJ09	FJ09	Finland	63.1990N	23.3240E	87	
FJ11	FJ11	Finland	62.4210N	22.1420E	121	
FJ12	FJ12	Finland	62.1290N	21.6770E	68	
FK04	FK04	Finland	65.0860N	25.8930E	63	
FK05	FK05	Finland	64.8660N	24.9400E	10	
FK06	FK06	Finland	64.4990N	24.3210E	8	
FK07	FK07	Finland	64.1740N	23.7590E	12	
FK08	FK08	Finland	63.7910N	23.1810E	17	
FK09	FK09	Finland	63.4290N	22.6040E	20	
FK10	FK10	Finland	63.0690N	22.1040E	10	
FK11	FK11	Finland	62.6790N	21.6710E	71	
FKAF	FKAF	Finland	62.1110N	26.3090E	195	
Flaach	FLACH	Switzerland	47.5720N	8.5676E	370	From 2003-08-29
Flagg Ranch	FLWY	Wyoming,U.S.A.	44.0827N	110.6993W	2078	
Flagon Creek Properties, Pineville	342A	Louisiana,U.S.A.	31.3747N	92.3249W	37	From 2011-02-23 to 2012-12-02
Flagon Creek Properties, Pineville	342B	Louisiana,U.S.A.	31.3747N	92.3249W	37	From 2014-01-17 to 2017-04-01
Flag Point	VFP	Oregon,U.S.A.	45.3181N	121.4650W	1716	From 1980-10-01
Flagstaff	FLG	Arizona,U.S.A.	35.2932N	111.7020W	2445	From 1966-11-01 to 1972-09-30
Flagstaff	FLAG	Arizona,U.S.A.	35.1667N	111.6430W	2115	From 1977-05-01
Flagstaff	FS-AZ	Arizona,U.S.A.	35.0692N	111.3094W	1890	From 1961-10-14 to 1966-03-12
Flagstaff	W16A	Arizona,U.S.A.	35.0951N	111.5318W	2192	From 2007-04-27 to 2008-11-21
Flagstaff	FS-	Arizona,U.S.A.	35.0692N	111.3094W	1890	From 1961-10-14 to 1966-03-12
Flamenco Island	FLAM	Panama	8.9130N	79.5370W	79	
Flaming Gorge	FGU	Utah,U.S.A.	40.9264N	109.3860W	1982	From 1960-01-01 to 1976-06-30
Flanigan	O06A	Nevada,U.S.A.	40.1650N	119.8275W	1228	From 2006-02-24 to 2008-03-05
Flannery Road San Pablo	C040	California,U.S.A.	37.9897N	122.3141W	53	From 2010-07-06
Flash Two Peak	FLSC	California,U.S.A.	34.9704N	117.0391W	990	From 1979-06-01
Flassans-sur-Issole	FLAF	Provence-Cote d'Azur,France	43.3827N	6.2549E	300	From 2012-02-27
Flat	FLA	Utah,U.S.A.	39.4700N	110.4380W	1670	From 1962-01-01 to 1977-03-31
Flatey	IFLA	Iceland	66.1610N	17.8480W	13	From 2000-11-09
Flat Gap	FGTN	Tennessee,U.S.A.	36.4340N	83.1950W	500	From 1991-12-19 to 2008-02-13
Flathead National Forest, Polebridge	A13A	Montana,U.S.A.	48.9330N	114.4135W	1199	From 2006-09-28 to 2009-08-06
Flat River	FRM	Missouri,U.S.A.	37.8358N	90.4864W	161	From 1969-01-01 to 1972-12-31
Flat Rock	FRNY	New York,U.S.A.	44.8350N	73.5883W	223	
Flat Rock, Escanaba	F43A	Michigan,U.S.A.	45.8313N	87.1694W	233	From 2011-09-13 to 2013-06-11
Flat Top 2	FL2	Washington,U.S.A.	46.1964N	122.3500W	1378	
Flavio Alfaro	FLFR	Ecuador	0.3574S	79.8427W	399	From 2008-12-10
Flavio Alfaro-Manabi	FLF1	Ecuador	0.3574S	79.8427W	400	From 2014-08-18
Flechtingen	FLTG	Germany	52.3306N	11.2372E	98	From 2008-11-20
Fleetwood	FLT	Alabama,U.S.A.	33.2580N	87.4095W	128	From 1971-01-09
Fleetwood El Sobrante	C067	California,U.S.A.	37.9761N	122.2896W	113	From 2013-02-13
Flemingsburg	SLKY	Kentucky,U.S.A.	38.4260N	83.7510W	280	From 1989-02-15
Flemingsburg	FLKY	Kentucky,U.S.A.	38.4260N	83.7510W	280	From 1989-02-15
Flemmings, Montserrat	MBFL	Montserrat	16.7485N	62.2125W	243	From 2009-07-02
Flesher Pass	FPMT	Montana	46.9988N	112.4026W	1659	From 2018-08-23
Fletcher	FLE	Vermont,U.S.A.	44.7227N	72.9517W		
Fletcher	FLET	Vermont,U.S.A.	44.7227N	72.9517W	366	From 1977-08-08
Fletcher Lake Big Creek, BC	FLLB	British Columbia,Canada	51.7390N	123.1059W	1189	From 2006-08-24 to 2008-06-10
Flin Flon	FFC	Saskatchewan,Canada	54.7250N	101.9780W	338	From 1965-02-22
Flin Flon Array Beam Reference Point	FLAR	Saskatchewan,Canada	54.7188N	101.9950W	229	
Flin Flon Array Site 1	FL01	Saskatchewan,Canada	54.7257N	101.9921W		
Flin Flon Array Site 10	FL10	Saskatchewan,Canada	54.7398N	101.9559W		
Flin Flon Array Site 11	FL11	Saskatchewan,Canada	54.7171N	101.9410W		
Flin Flon Array Site 12	FL12	Saskatchewan,Canada	54.6984N	101.9454W		
Flin Flon Array Site 13	FL13	Saskatchewan,Canada	54.6875N	101.9855W		
Flin Flon Array Site 14	FL14	Saskatchewan,Canada	54.6925N	102.0241W		
Flin Flon Array Site 15	FL15	Saskatchewan,Canada	54.7126N	102.0421W		
Flin Flon Array Site 16	FL16	Saskatchewan,Canada	54.7361N	102.0558W		
Flin Flon Array Site 17	FL17	Saskatchewan,Canada	54.7481N	102.0301W		
Flin Flon Array Site 18	FL18	Saskatchewan,Canada	54.7599N	101.9958W		
Flin Flon Array Site 2	FL02	Saskatchewan,Canada	54.7252N	101.9677W		
Flin Flon Array Site 3	FL03	Saskatchewan,Canada	54.7120N	101.9634W		
Flin Flon Array Site 31	FL31	Saskatchewan,Canada	54.7189N	101.9950W	229	
Flin Flon Array Site 4	FL04	Saskatchewan,Canada	54.7119N	101.9811W		
Flin Flon Array Site 5	FL05	Saskatchewan,Canada	54.7087N	102.0021W		
Flin Flon Array Site 6	FL06	Saskatchewan,Canada	54.7182N	102.0096W		
Flin Flon Array Site 7	FL07	Saskatchewan,Canada	54.7266N	102.0168W		
Flin Flon Array Site 8	FL08	Saskatchewan,Canada	54.7348N	101.9902W		
Flin Flon Array Site 9	FL09	Saskatchewan,Canada	54.7544N	101.9668W		
Flint Hills	HFHM	California,U.S.A.	36.8882N	121.4690W	101	From 1975-12-10
Flippin	FLPT	Tennessee,U.S.A.	36.4094N	89.3206W	131	
Flix	CFLI	Spain	41.2360N	0.5550E	85	From 2023-11-21
Florencia	CFLOR	Colombia	1.5850N	75.6560W	378	
Florencia	FLOC	Colombia	1.5827N	75.6527W	365	From 1994-01-01
Florentin-la-Capelle	FLCF	Midi-Pyrenees	44.6313N	2.6377E	236	From 2015-07-13
Flores	PETF	Guatemala	16.9163N	89.8667W	123	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Flores Is	FLOR	Azores,Portugal	39.4347N	31.1921W	605	From 1991-09-09
FLORES T-PHASE SITE N1	H07N1	Azores,Portugal	39.6912N	31.1196W	479	From 2005-05-04
FLORES T-PHASE SITE S1	H07S1	Azores,Portugal	39.3786N	31.2061W	478	From 2004-11-30
Floresville	FLRS	Texas	29.1281N	98.3804W	163	From 2019-03-12 to 2599-12-31
Florida	FLFL	Uruguay	34.0978S	56.1892W	65	From 2021-05-10
Florida	FLOM	Guerrero,Mexico	17.2255N	100.3887W	840	
Florina	FLO1	Greece	40.7786N	21.4000E	220	From 2007-04-15
Florina	FNA	Greece	40.7838N	21.3762E	750	From 1989-12-01
Florina	FLO2	Greece	40.7802N	21.4050E	670	From 2011-06-15
Florina, UoWM	FLNA	Greece	40.7809N	21.3863E	730	From 2022-11-23
Florissant	FLO	Missouri,U.S.A.	38.8017N	90.3700W	160	From 1928-01-01 to 1971-08-31
Floro	FOO	Norway	61.5980N	5.0440E	10	From 1999-06-08
Flostrand	FLOS	Norway	66.3365N	13.3647E	20	From 2005-05-01
Flostrand	STOK2	Norway	66.3400N	13.3600E	20	From 2005-07-01
Flower Mountain	FMTX	Texas,U.S.A.	31.7720N	94.8050W	220	
Flueckinger Farm, Gordon	K27A	Nebraska,U.S.A.	42.7036N	102.2364W	1131	From 2008-11-16 to 2010-10-04
Flymyra	FLYU	Sweden	60.1282N	17.8846E	100	From 2002-01-13
FM Road 95, Garrison	ETX03	Texas,U.S.A.	31.8273N	94.5000W	102	
FN01A	FN01A	Pacific Ocean West Coast USA	46.8820N	124.3337W	-54	From 2011-07-27 to 2012-07-21
FN01C	FN01C	Pacific Ocean West Coast USA	46.8823N	124.3333W	-56	From 2013-08-30 to 2014-06-27
FN02C	FN02C	Pacific Ocean West Coast USA	46.9497N	124.4280W	-67	From 2013-08-31 to 2014-06-28
FN03A	FN03A	Pacific Ocean West Coast USA	46.8868N	124.5251W	-90	From 2011-07-28 to 2012-07-15
FN03C	FN03C	Pacific Ocean West Coast USA	46.8872N	124.5251W	-93	From 2013-08-31 to 2014-06-28
FN04C	FN04C	Pacific Ocean West Coast USA	46.9175N	124.6013W	-104	From 2013-08-31 to 2014-06-26
FN05A	FN05A	Pacific Ocean West Coast USA	46.8578N	124.6553W	-124	From 2011-07-29 to 2012-01-10
FN05C	FN05C	Pacific Ocean West Coast USA	46.8575N	124.6556W	-123	From 2013-08-31 to 2014-06-25
FN06A	FN06A	Pacific Ocean West Coast USA	46.9223N	124.7316W	-134	From 2011-07-30 to 2012-07-18
FN06C	FN06C	Pacific Ocean West Coast USA	46.9220N	124.7313W	-137	From 2013-09-01 to 2014-06-29
FN07A	FN07A	Pacific Ocean West Coast USA	46.8555N	124.7865W	-154	From 2011-07-28 to 2012-07-20
FN07C	FN07C	Pacific Ocean West Coast USA	46.8554N	124.7860W	-158	From 2013-09-01 to 2014-06-29
FN08A	FN08A	Pacific Ocean West Coast USA	46.8888N	124.8769W	-177	From 2011-07-29 to 2012-07-22
FN08C	FN08C	Pacific Ocean West Coast USA	46.8887N	124.8760W	-176	From 2013-09-02 to 2014-06-30
FN09A	FN09A	Pacific Ocean West Coast USA	46.8401N	124.8877W	-198	From 2011-07-26 to 2012-07-20
FN09C	FN09C	Pacific Ocean West Coast USA	46.8402N	124.8872W	-198	From 2013-09-01 to 2014-07-01
FN10A	FN10A	Pacific Ocean West Coast USA	46.8978N	124.9936W	-795	From 2011-07-26 to 2011-11-10
FN10C	FN10C	Pacific Ocean West Coast USA	46.8981N	124.9935W	-811	From 2013-09-02 to 2014-06-26
FN11C	FN11C	Pacific Ocean West Coast USA	46.8205N	125.0454W	-619	From 2013-09-03 to 2014-06-26
FN12A	FN12A	Pacific Ocean West Coast USA	46.8885N	125.1192W	-650	From 2011-07-27 to 2012-07-20
FN12C	FN12C	Pacific Ocean West Coast USA	46.8887N	125.1190W	-656	From 2013-09-03 to 2014-06-30
FN13C	FN13C	Pacific Ocean West Coast USA	47.0004N	125.3011W	-1764	From 2013-09-04 to 2014-06-28
FN14A	FN14A	Pacific Ocean West Coast USA	46.0248N	124.9647W	-173	From 2011-07-31 to 2012-07-20
FN14C	FN14C	Pacific Ocean West Coast USA	47.0249N	124.9642W	-173	From 2013-09-03 to 2014-06-26
FN16A	FN16A	Pacific Ocean West Coast USA	46.7996N	125.5161W	-1907	From 2011-10-17 to 2012-07-21
FN16C	FN16C	Pacific Ocean West Coast USA	46.8005N	125.5001W	-1728	From 2013-09-04 to 2014-06-30
FN17C	FN17C	Pacific Ocean West Coast USA	46.6816N	125.0005W	-1015	From 2013-09-03 to 2014-06-25
FN18A	FN18A	Pacific Ocean West Coast USA	46.6998N	124.7248W	-163	From 2011-07-30 to 2012-07-18
FN18C	FN18C	Pacific Ocean West Coast USA	46.7001N	124.7248W	-166	From 2013-09-02 to 2014-06-25
FN19A	FN19A	Pacific Ocean West Coast USA	46.7298N	124.3671W	-75	From 2011-07-30 to 2012-07-20
FN19C	FN19C	Pacific Ocean West Coast USA	46.7301N	124.3668W	-72	From 2013-08-30 to 2014-06-29
Foca	RFT5	Turkey	38.6590N	26.7487E	63	From 2017-06-18
Foa	BAGT	Turkey,Turkey	38.6554N	26.8519E	89	
Foa	FOCM	Turkey	38.7130N	26.7308E	34	From 2011-07-24
Focsani	FOC	Romania	45.6950N	27.1833E	61	From 1942-07-12
Focsani	FOC6	Romania	45.6947N	27.1814E	54	From 2015-09-14
Fodele	FODE	Crete,Greece	35.3797N	24.9576E	50	
Foel Wylfa	FOEL	Wales,United Kingdom	52.8898N	3.2012W	449	From 2008-10-30
Fofonovo	FFNB	Buryatiya,Russia	52.0470N	106.7640E	564	From 1999-08-01
Foggia	FGG	Italy	41.4500N	15.5514E		From 1977-11-01
Foggia	FG1	Italy	41.4500N	15.5514E		From 1977-11-01
Foggia	FOG	Italy	41.4500N	15.5514E		From 1977-11-01
FOGGIA	FOGG	Italy	41.4589N	15.5562E	630	From 2019-11-07
Fog Glacier	S14K	Alaska,U.S.A.	56.2848N	159.5532W	1059	From 2016-06-13
Fog Glacier, Mount Veniaminof	VNFG	Alaska,U.S.A.	56.2849N	159.5532W	1068	From 2005-11-01
Fogo	FGMB	Cape Verde Islands	14.9322N	24.3645W	1961	
Fogo	FGMV	Cape Verde Islands	14.9822N	24.3453W	1682	
Fogo	FGMA	Cape Verde Islands	14.9692N	24.3687W	1811	
Fogo	FGAF	Cape Verde Islands	14.8752N	24.3702W	966	
Fogo	FGTT	Cape Verde Islands	14.9222N	24.2988W	451	
Fogo	FGPP	Cape Verde Islands	14.9622N	24.3515W	1920	
Fogo, Cova Figueira	CVFG4	Cape Verde Islands	14.8876N	24.2931W	470	From 2007-12-01 to 2008-09-01
Fogo, Fajazinha	CVFG3	Cape Verde Islands	15.0450N	24.3434W	12	From 2007-12-01 to 2008-09-01
Fogo, Galinheiro	CVFG2	Cape Verde Islands	15.0135N	24.4262W	229	From 2007-12-01 to 2008-09-01
Fogo, Monte Grande	CVFG5	Cape Verde Islands	14.8898N	24.4072W	919	From 2007-12-01 to 2008-09-01
Fogo--Pe de Pico	FPPC	Cape Verde Islands	14.9603N	24.3658W	1680	
Fogo, Sao Filipe	CVFG1	Cape Verde Islands	14.8981N	24.4886W	189	From 2007-12-01 to 2008-09-01
Foia	PFFO	Portugal	37.3163N	8.5860W	799	From 1996-01-01 to 2009-05-30
Foira Santorini	SFIR	Greece	36.4224N	25.4284E	310	From 2012-01-30
Foligno	FOL	Italy	42.9567N	12.7067E		
Foligno	UFLG	Italy	42.9639N	12.7282E	324	From 2004-12-12
FOLIGNO CARABINIERI	FOCC	Italy	42.9574N	12.7079E	283	From 2016-11-04
Foligno Prot Civ	FOPC	Italy	42.9697N	12.7031E	300	From 2016-02-18
Foligno Protezione Civile Reg.	FLPC	Italy	42.9683N	12.7037E	285	From 2023-04-04
FOLIGNO SEGGIO	FOS	Italy	43.0146N	12.8351E	965	From 2009-11-19
Folkestone	TFO1	England,United Kingdom	51.1135N	1.1409E	202	From 1989-01-01
Fmeque, Cundinamarca	FOM	Colombia	4.4750N	73.8593W	2383	From 2016-04-24
Fond-Bernard	FNG	Guadeloupe,France	16.0603N	61.6867W	825	
Fonds-de-Gras	FDGR	Luxembourg	49.5338N	5.8636E	348	From 2012-11-29
Fontana	FON	California,U.S.A.	34.0996N	117.4387W	449	
Fontanafredda	FFNT	Italy	45.9791N	12.5863E	40	From 2002-01-30
Fontana Vidola	FNVD	Italy	44.1678N	11.1229E	950	From 2003-10-22
Fonte Corniale	FCOR	Italy	43.7692N	12.8146E	540	From 2014-01-09
Fonte del Campo	MZ100	Italy	42.6955N	13.2552E	737	From 2016-10-11 to 2016-10-25
Fontenelle, Green River	L18A	Wyoming,U.S.A.	41.9243N	110.0364W	2051	From 2007-11-03 to 2009-10-17
Fontenotte	AVEN	France	47.3738N	6.3224E	335	From 2018-09-25 to 2020-01-01
Fontinhas	FOT	Azores,Portugal	38.7411N	27.3361W		
Fontmartina	FONT	Spain	41.7622N	2.4338E	963	
Fontmartina	CFON	Spain	41.7623N	2.4356E	972	
Font Roja	AFON	Spain	38.6649N	0.5412W	1120	From 2008-12-23
Fool Peak	FLU	Utah,U.S.A.	39.3782N	112.1710W	1950	
Foothills Park , Santa Clara County	JFP	California,U.S.A.	37.3604N	122.1899W	291	From 2003-06-06
Forcatura	UFCT	Italy	43.0280N	12.8630E	851	From 2012-02-01
Forcella Aurine	FAU	Italy	46.2300N	11.9800E	1430	
Fordham	FOR	New York,U.S.A.	40.8631N	73.8856W	24	From 1910-01-01
Ford Ranch, Anza	FRD	California,U.S.A.	33.4948N	116.6022W	1000	From 2012-06-20 to 2012-12-12
Ford Ridge	FDU	Utah,U.S.A.	39.7568N	110.9900W	2975	From 1978-03-01 to 2004-03-05
Forest Bistro	DFBT	Dominica	15.2401N	61.3559W	83	
Forest City	W43A	Arkansas,U.S.A.	35.0877N	90.7061W	70	From 2011-07-30 to 2013-02-14
Forest Hill	FWV	West Virginia,U.S.A.	37.5817N	80.8117W	756	
Forest Hills Divide	AFDM	California,U.S.A.	38.9480N	120.9720W	549	From 1983-05-16
Forest Hill Site	AFHM	California,U.S.A.	39.0418N	120.7910W	1064	From 1976-07-20
Forest Lakes	X17A	Arizona,U.S.A.	34.3371N	110.8058W	2280	From 2007-04-13 to 2009-02-20
Forest Lane Berkeley	C007	California,U.S.A.	37.8956N	122.2628W	255	From 2009-04-23
Forestry Corps, Argostoli (Cefalonia, Greece)	KEFOR	Greece	38.1623N	20.5068E	53	From 2014-02-05 to 2014-05-20
Forestville	FORQ	Quebec	48.7542N	69.1135W	0	From 2015-10-22
Foret Domaniale des Maures Clau de Barrau, 83071 Draguignan, France	A205A	Foret Domaniale des Maures	43.2001N	6.2335E	384	From 2016-06-07
Forgia Vecchia	VL6*	Sicily,Italy	38.4089N	14.9611E		From 1966-04-01 to 1966-05-01
FORIO	FOR28	Italy	40.7157N	13.8751E	163	From 2019-07-20
FORIO D' ISCHIA	CISCH	Italia	40.7419N	13.8764E	66	From 2018-10-17
Former Reservoir Mayens-de-Chamoson, VS	RAW4	Switzerland	46.2074N	7.1770E	1423	From 2017-11-21
Formoso do Araguaia, TO, Brazil	RET2	Tocantins,Brazil	11.6983S	49.5342W	193	From 2008-07-18 to 2012-06-08
Fornelli	FORN	Italy	41.6060N	14.1415E	554	From 2023-07-28
Forni Avoltri	FVI	Italy	46.5966N	12.7804E	1024	
Forni Avoltri	FOA	Italy	46.5867N	12.7750E	880	From 1982-06-06 to 1988-01-01
Forni di Sopra	FDS	Italy	46.4513N	12.5627E	1795	From 2010-07-23
Forno	DIV06	Italy	45.9348N	8.3396E	965	From 2021-10-20 to 2025-12-31
Forno-Posthole	DIV60	Italy	45.9359N	8.2880E	948	From 2021-10-18 to 2025-12-31
Fornovo	FRNO	Italy	44.6868N	10.1072E	280	
Forrest	FRTM	Victoria,Australia	38.5337S	143.7160E	230	
Forrest	FORR	Western Australia,Australia	30.8500S	128.1000E		From 1988-01-01 to 1992-05-17

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Forrest	FORT	Western Australia,Australia	30.7790S	128.0590E	165	From 1992-05-19
Forrest Kerr	FKBC	British Columbia,Canada	56.7847N	130.6180W	1175	From 1989-10-10
Forsmark	FORU	Sweden	60.3870N	18.1801E	10	From 2005-05-12
Forsnaval	RFO	Scotland,United Kingdom	58.2133N	7.0052W	197	From 1995-09-10
Forsthaus Ahlhorn	FAHL	Germany	52.9082N	8.1537E	36	From 2014-07-17
Forsthaus Kammerforst	KAMM	Thuringen	51.0476N	12.4315E	157	From 2021-07-02
Forsting, Bavaria	A144A	Germany	48.0979N	12.0838E	553	From 2016-01-21
Forsyth	FR-	Montana,U.S.A.	46.1000N	106.4403W	823	From 1963-07-07 to 1964-08-05
Forsyth	FR-MA	Montana,U.S.A.	46.1000N	106.4403W	823	From 1963-07-07 to 1964-08-05
Forsythe	AN2*	California,U.S.A.	36.7875N	121.4470W	41	From 1967-09-25 to 1971-04-27
Fortaleza - CE	FOR1	Ceara,Brazil	3.7785S	38.7681W	470	From 2002-09-30
Fortaleza, Los Realejos, Tenerife	CFOR	Canary Islands	28.3142N	16.5930W	2130	From 2008-07-17
Fort Beaufort,Amathole	FORTB	South Africa	32.4840S	26.5354E	1069	From 2021-12-09
Fort Charlotte	FCV	St Vincent,Saint Vincent and the Grenadines	13.1570N	61.2450W	194	
Fort Churchill	FCC	Manitoba,Canada	58.7617N	94.0867W	39	
Fort de France	FDF	Martinique,France	14.7333N	61.1503W	510	
Fort de Pagny la Blanche Cte (52)	PAGF	France,France	48.5551N	5.7251E	384	From 2008-11-05
fort du Flaut	FLAUT	Provence-Cote d'Azur	44.0037N	7.3298E	840	From 2013-08-27
Forte Buso	DFBU	Italy	46.3059N	11.7018E	1492	From 2014-12-18
Forte Coimbra	COIM	Brazil	19.9092S	57.7890W	90	From 2019-12-09
Forte Petrazza	PEZZA	Sicily	38.1819N	15.5283E	235	From 2022-11-22
Fort Garland, S18	SCR18	Colorado	37.4123N	105.3767W	2500	
Fort Gibson	GBO	Oklahoma,U.S.A.	35.8526N	95.1843W	302	From 1979-07-19 to 1984-12-30
Fort Hunter Liggett, Jolon, California	HULI	California	36.0213N	121.2355W	340	From 2017-06-01
FORTIN DE LA CUMBRE	FDCV	Venezuela	10.5407N	66.9537W	1472	From 2003-09-08
Fort Jim, California USA	FJIM	California	38.7052N	120.6917W	723	From 2020-01-01
Fort Lent	NE42	Netherlands	51.8630N	5.8510E		
Fort Liard	FLDN	Yukon Territory,Canada	60.2390N	123.4754W	210	From 2013-07-01
Fort Liard	BEAVL	Yukon Territory,Canada	60.1798N	125.0684W	487	
Fort MacArthur	FMA	California,U.S.A.	33.7125N	118.2850W	15	
Fort Macarthur Park, San Pedro	FMP	California,U.S.A.	33.7126N	118.2938W	89	From 2000-08-30
Fort Manro	FTMN	Punjab,India	29.9000N	70.0000E	1909	From 2010-10-15
Fort McLeod	FT-BC	British Columbia,Canada	54.9136N	122.8822W	914	From 1962-11-16 to 1962-12-09
Fort McLeod	FT-	British Columbia,Canada	54.9136N	122.8822W	914	From 1962-11-16 to 1962-12-09
Fort Nelson	FL-	British Columbia,Canada	58.8606N	122.8364W	655	From 1965-10-22 to 1965-11-15
Fort Nelson	FNSB	British Columbia,Canada	58.8061N	122.7328W	440	From 2017-08-02
Fort Nelson	FNBB	British Columbia,Canada	58.8904N	123.0097W	618	
Fort Nelson	FL-BC	British Columbia,Canada	58.8606N	122.8364W	655	From 1965-10-22 to 1965-11-15
Fort Nelson	FNBC	British Columbia,Canada	58.8418N	122.5737W	380	From 1998-02-09 to 2006-03-28
Fort Ord Natural Reserve, California	FORD	California	36.6879N	121.7804W	34	From 2018-09-01
Fort Paine	FPAL	Alabama,U.S.A.	34.5403N	85.6113W	556	
Fort Payne	X50A	Alabama,U.S.A.	34.4596N	85.6486W	489	From 2011-12-16 to 2012-04-04
Fort Payne	X50B	Alabama,U.S.A.	34.4611N	85.6499W	494	From 2011-12-16
Fort Rock	J05A	Oregon,U.S.A.	43.2843N	121.2357W	1540	From 2006-07-17 to 2007-11-02
Fort Rock, OR	J05D	Oregon,U.S.A.	43.2848N	121.2347W	1541	From 2009-10-16
Fort Ross	FTR	California,U.S.A.	38.5227N	123.1610W	528	From 1975-01-22
Fort Saint-Gobain, Modane	OGMO	Rhone-Alpes,France	45.2084N	6.6850E	1080	From 1996-10-07
Fort Saint James	FSJ	British Columbia,Canada	54.4633N	124.2800W	772	From 1965-05-12 to 1979-04-17
Fort Saint James	FSB	British Columbia,Canada	54.4767N	124.3280W	747	
Fort Scott	S37A	Kansas,U.S.A.	37.7597N	94.8279W	260	From 2010-06-21 to 2012-03-03
Fort Shafter	SFTX	Texas,U.S.A.	29.9255N	104.3696W	1384	
Fort Sherman	FH-PM	Panama	9.3631N	79.9583W	15	From 1966-11-14 to 1966-12-20
Fort Sherman	FH-	Panama	9.3631N	79.9583W	15	From 1966-11-14 to 1966-12-20
Fort Simpson	FST1	Northwest Territories,Canada	61.7858N	121.2590W	175	From 1985-10-06 to 1986-01-09
Fort Simpson	FST	Northwest Territories,Canada	61.8400N	121.2750W	175	From 1986-01-09
Fort Smith	FSMA	Alberta,Canada	59.9862N	111.8218W	187	From 2010-09-12
Fort St James	FSJB	British Columbia,Canada	54.4588N	124.2945W	710	From 2015-11-04
Fort St John	NBC7	Yukon Territory,Canada	56.2678N	120.8426W	676	
Fort Stockton	FO-TX	Texas,U.S.A.	30.9017N	102.6978W	880	From 1964-06-21 to 1965-04-12
Fort Stockton	FO-	Texas,U.S.A.	30.9017N	102.6978W	880	From 1964-06-21 to 1965-04-12
Fort Tejon	FTC	California,U.S.A.	34.8708N	118.8918W	942	From 1952-11-21
Fortuna	FORC	Costa Rica	10.4665N	84.6698W	286	
Fortuna	FTA	Panama	8.6815N	82.2647W	629	
Fortuna Mine	FTM	Arizona,U.S.A.	32.5548N	114.3340W	263	From 1975-07-01 to 2009-04-08
Fort Valley	153A	Georgia,U.S.A.	32.6499N	83.8316W	160	From 2012-03-19
Fort Yukon	FY1	Alaska,U.S.A.	67.2667N	148.9700W	939	From 1975-09-01
Fort Yukon	FY4	Alaska,U.S.A.	67.4533N	146.2100W	792	From 1975-09-01 to 1978-08-14
Fort Yukon	FY3	Alaska,U.S.A.	68.1472N	145.7000W	1439	From 1975-09-01 to 1978-08-14
Fort Yukon	FYU	Alaska,U.S.A.	66.5660N	145.2320W	137	From 1972-02-09
Fort Yukon	FY2	Alaska,U.S.A.	67.1245N	147.0970W	671	From 1975-09-01
Fort Yukon	FY5	Alaska,U.S.A.	67.1400N	143.2500W	558	From 1975-09-01
Fosdinovo	FOSD	Italy	44.1076N	9.9971E	60	From 2013-06-23 to 2013-09-06
Fosdinovo	FS1	Italy	44.1267N	10.0250E		
Fosdinovo	FSI	Italy	44.1261N	10.0253E	0	From 1977-01-01 to 1979-12-31
Fossa	MI04	Italia	42.3031N	13.4814E	612	From 2009-04-07 to 2009-04-27
Fossato di Vico	FOSV	Italy	43.2948N	12.7612E	559	From 2011-10-01
Fossil Canyon	ID06	Idaho,U.S.A.	42.5853N	111.4518W	1897	From 2017-09-08 to 2017-10-24
Fossombrone	FSSB	Italy	43.6922N	12.7775E	498	
FOSSOMBRONE	FSS	Italy	43.6905N	12.8101E	138	From 2013-07-17
Fouillouse	FOUF	Provence-Cote d'Azur,France	44.5292N	6.7819E		From 1983-01-01
Foulwind	FLW	South Island,New Zealand	41.7522S	171.5000E	20	From 1968-05-24 to 1968-07-02
Foumbot	FBT	Cameroon	5.4690N	10.5710E	1040	From 1987-02-17
Fountain	I45A	Michigan,U.S.A.	44.0361N	86.2348W	215	From 2012-11-05
Fountain Green	P16A	Utah,U.S.A.	39.6092N	111.6595W	1822	From 2007-05-28 to 2009-04-11
Fountain Ranch, Boone	R25A	Colorado,U.S.A.	38.1474N	104.2834W	1461	From 2008-06-04 to 2010-04-21
Fountain Ranch, Mena	X39A	Arkansas,U.S.A.	34.5105N	94.1138W	326	From 2011-01-29 to 2012-11-07
Fourare	FOE	Morocco	31.9880N	9.2610W		
Fourg	FOURG	Franche Comte	47.1042N	5.8104E	260	From 2019-01-10
Fourg, 25253, Doubs, Bourgogne-Franche-Comte	A164A	France	47.1015N	5.8104E	272	From 2016-06-10
Four Mile Canyon	FMC	Oregon,U.S.A.	45.6244N	120.0280W	305	From 1975-11-01
Fournets-Luisans, 25288, Doubs, Franche-Comt	STFL	France	47.1121N	6.5629E	910	From 2000-04-27
Fournols	FRNF	Limousin,France	45.3867N	2.5627E	670	
Fourpeaked Station 1	FOSS	Alaska,U.S.A.	58.7994N	153.6950W	546	
Fourpeaked Station 2	FONW	Alaska,U.S.A.	58.8348N	153.9184W	905	
Fourpeaked Volcano	FOPK	Alaska,U.S.A.	58.7580N	153.4739W	546	
Four Points	FPST	Tennessee,U.S.A.	35.9780N	89.4547W	106	
Four Seasons	FS03	Queensland,Australia	25.1068S	151.8667E	180	From 2001-02-16
Fox Airport	FOXC	California,U.S.A.	34.7443N	118.2326W	683	From 1981-03-01
Fox Creek	FOX	California,U.S.A.	40.5212N	123.9920W	113	From 1974-06-19
Fox Creek	FXWY	Wyoming,U.S.A.	43.6381N	111.0268W	2254	
Fox Den Farm, The Plains	Q58A	Virginia,U.S.A.	38.9413N	77.6820W	182	From 2013-06-21
Fox Glacier	FOZ	South Island,New Zealand	43.5321S	169.8155E	54	From 2004-10-13
Fox Glacier Park Board Headquarters	FGPS	South Island,New Zealand	43.4632S	170.0198E	181	From 2003-01-10
Fox Lake Wildlife Area	FOXO	Ohio	39.3046N	82.1877W	252	From 2021-07-01 to 2500-12-31
Foxton Beach School	FXBS	North Island,New Zealand	40.4614S	175.2260E	4	From 2004-11-05
Foz do Areia	FDA5	Parana,Brazil	26.1498S	51.4552W	1000	From 1981-01-01
Foz do Areia	FDA	Parana,Brazil	25.9869S	51.5153W		From 1979-01-01
Foz do Areia	FDA4	Parana,Brazil	26.1670S	51.7700W	0	
FP03	FP03	Karel'skaya,Russia	62.9310N	32.5330E	175	
FP05	FP05	Karel'skaya,Russia	62.2930N	32.1070E	160	
FR05	FR05	Karel'skaya,Russia	62.0040N	32.6750E	150	
Francavilla Angitola	UC01	Italy	38.7773N	16.2701E	290	From 2015-07-16
Francisco Beltro	FRBT	Brazil	25.9750S	53.0626W	697	From 2016-04-16
Francis Marion National Forest	FMF	South Carolina,U.S.A.	32.9540N	79.8410W		From 1973-02-28 to 1973-10-02
Francis Peak	FPU	Utah,U.S.A.	41.0264N	111.8370W	2816	From 1974-09-01
Franconia Notch	FNN	New Hampshire,U.S.A.	44.1600N	71.6817W	1060	From 1967-01-01 to 1975-12-31
Frandzen Federal Estate	FNF	California,U.S.A.	38.7707N	122.7657W	870	
Frank Field Bay, Greenland	FFBG	Greenland	82.1294N	56.0364W	20	From 2004-07-27
Frankford	I55A	Ontario,Canada	44.2161N	77.6817W	132	From 2012-11-15
Frankfurt	WBFM	Hessen	50.1171N	8.6502E	120	From 2018-03-15
Franklin	FN-	West Virginia,U.S.A.	38.5494N	79.5131W	910	From 1964-05-04 to 1965-11-12
Franklin	Z51A	Georgia,U.S.A.	33.3167N	85.1747W	249	From 2012-04-07
Franklin	FNO	Oklahoma,U.S.A.	35.2571N	97.4006W	357	From 1992-04-28
Franklin	FKO	Oklahoma,U.S.A.	35.2613N	97.3861W	351	From 1987-01-01
Franklin	FN-WV	West Virginia,U.S.A.	38.5494N	79.5131W	910	From 1964-05-04 to 1965-11-12
Franklin Bluffs	C24K	Alaska,U.S.A.	69.7200N	148.7009W	115	From 2016-06-17
Franklin Camp	FCBC	British Columbia,Canada	48.9742N	124.7358W	255	From 2006-12-19 to 2007-02-15
Franklin College	FMPA	Pennsylvania,U.S.A.	40.0478N	76.3208W	121	
Franklin Falls Dam	FFD	New Hampshire,U.S.A.	43.4701N	71.6533W	131	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Frank Revetta Observatory, Potsdam, NY	PTNY	New York,U.S.A.	44.5578N	74.9509W	275	From 2015-07-16
Frank Sound, Grand Cayman	FSCY	Cayman Islands	19.3129N	81.1835W	1	From 2011-01-01
Franktown	FK-CO	Colorado,U.S.A.	39.5867N	104.4617W	1803	From 1966-11-17 to 1967-06-26
Franktown	FK-	Colorado,U.S.A.	39.5867N	104.4617W	1803	From 1966-11-17 to 1967-06-26
Franz Josef DOC	FJDS	South Island,New Zealand	43.3891S	170.1842E	163	From 2002-04-18
Frascati	FRSC	Italy	41.8071N	12.6789E	362	From 2022-09-20
Frascineto (CS)	FRASC	Italy	39.8381N	16.2663E	558	From 2022-01-01
Fraserburg	FRAZ	South Africa	31.9290S	21.4080E	1264	From 2016-08-17
Fraticciola Selvatica (Perugia) - PG	AT08	Italy	43.1834N	12.5482E	608	From 2010-04-01
Fraureuth	FRAU	Thuringen	50.6954N	12.3168E	364	From 2020-11-10
Fray Jorge	CO06	Coquimbo	30.6738S	71.6350W	239	From 2015-05-14
FRDH	FRDH	Saudi Arabia	23.3850N	44.1990E	831	
Frdhf. Weidikon, ZR	EWZT1	Switzerland	47.3728N	8.5087E	410	From 2009-08-25
Frederick Butte	VFBM	Oregon,U.S.A.	43.6585N	120.2370W	1369	
Fred Haigh	FRED	Queensland,Australia	24.8985S	151.8970E	120	
Freedom	FDKY	Kentucky,U.S.A.	36.7900N	85.7942W	306	From 1987-03-27
Freed Ranch, Watford	C25A	North Dakota,U.S.A.	47.7124N	103.2558W	700	From 2009-07-25 to 2011-08-24
Fregona	FRE8	Italy	46.0150N	12.3552E	543	From 2011-03-31
Fregona	FREG	Italy	46.0113N	12.3127E	500	From 2020-03-03
Freiberg	FBE	Sachsen,Germany	50.9212N	13.3541E	44	From 2004-10-01
Freiburg, Hauptfriedhof	FREI	Baden-Wurttemberg	48.0088N	7.8431E	257	From 2017-09-20
Freiburg im Breisgau	FBB	Baden-Wurttemberg,Germany	48.0009N	7.8520E	270	From 1994-01-01
Fremont	M50A	Ohio,U.S.A.	41.4035N	83.0428W	176	From 2012-07-18
Fremont Peak	FRP	California,U.S.A.	36.7537N	121.4900W	705	From 1970-09-02
Fremont Peak	HFPM	California,U.S.A.	36.7537N	121.4900W	705	From 1970-09-02
Frenchman Hills East	FHE	Washington,U.S.A.	46.9519N	119.4969W	455	
French Village	FVM	Missouri,U.S.A.	37.9840N	90.4260W	310	From 1972-09-01
Frenkendorf	SFRA	Switzerland	47.5036N	7.7091E	350	From 2007-12-31
Fresagrandinaria	FRES	Italy	41.9735N	14.6693E	414	From 2004-09-14
Fresnillo de Trujano	FTIG	Oaxaca	17.9079N	98.1327W	1098	From 2012-08-31
Fresno	FRE	California,U.S.A.	36.7683N	119.7970W	88	From 1935-11-28 to 1971-03-02
FREYUNG INFRASONIC ARRAY REFERENCE POINT	I26DE	Bayern,Germany	48.8516N	13.7131E	1111	From 2000-05-16
Friant	FRI	California,U.S.A.	36.9917N	119.7080W	119	From 1971-01-01
Fribourg, Universitt Freiburg, FR	SFRU	Switzerland	46.7914N	7.1579E	638	From 2016-11-21
Friburgo-RJ	DUB01	Rio de Janeiro,Brazil	22.0810S	42.3742W	623	From 2011-01-30
Friedhof Edesheim	INS8	Germany	49.2628N	8.1251E	162	From 2015-04-16
Friedhof Kandel	INS6B	Germany	49.0852N	8.1939E	130	From 2015-04-16
Friedhof Schoenenfeld	A362A	Germany	48.3636N	10.4021E	588	From 2015-12-01
Friedhofskapelle bei Heiligenfelde	SYKE	Germany	52.8785N	8.8758E	50	From 2014-04-27
Friedrichshafen	FRIE	Baden-Wurttemberg	47.6498N	9.4623E	399	From 2021-01-01
Frijoles Canyon	FCN	New Mexico,U.S.A.	35.7719N	106.2500W	1945	From 1973-05-07 to 1973-07-31
Frink	FRK	California,U.S.A.	33.4021N	115.6384W	60	
Frio	FRIO	Patagonia	45.9841S	72.9421W	1079	From 2010-01-01
Frisco, N08	NCR08	Colorado	39.5526N	106.0529W	2797	
Frissel Point	FRIS	Oregon,U.S.A.	44.2122N	122.1005W	1642	
Frobisher Bay	FRB	Northwest Territories,Canada	63.7467N	68.5467W	18	From 1972-11-30
Frobisher Bay	FBC	Northwest Territories,Canada	63.7333N	68.4667W	45	
Frobisher Bay	FBN	Northwest Territories,Canada	63.7467N	68.5467W	18	From 1972-09-14
Froelich Ranch	FROB	California,U.S.A.	35.9109N	120.4869W	231	
Frontone	FRON	Italy	43.5178N	12.7257E	515	From 2010-04-19
Front Royal	FTV	Virginia,U.S.A.	38.8661N	78.1689W	341	
Frosini	FROS	Italy	43.2097N	11.1562E	431	From 2010-05-17
Froya	FRO	Norway	61.7570N	4.8820E	20	
Fruitdale	H25A	South Dakota,U.S.A.	44.6215N	103.5981W	942	From 2009-06-19 to 2011-08-23
Fruska Gora	FGSL	Serbia	45.1571N	19.8104E	500	From 2006-01-01
Fruska Gora	FRGS	Serbia	45.1577N	19.8102E	500	From 2005-12-15
Frutigen, Schulhaus Kanderbrueck, BE	SFRS	Switzerland	46.5823N	7.6563E	770	From 2018-07-03
Fry Pan Ranch, Harper	J09A	Oregon,U.S.A.	43.3471N	117.7542W	1303	From 2006-08-07 to 2008-07-11
FS01B	FS01B	Pacific Ocean West Coast USA	40.3268N	124.9492W	-940	From 2012-09-02 to 2013-06-19
FS02B	FS02B	Pacific Ocean West Coast USA	40.3511N	124.7980W	-1402	From 2012-09-13 to 2013-07-03
FS02D	FS02D	Pacific Ocean West Coast USA	40.3260N	124.8002W	-947	From 2014-07-16 to 2015-08-29
FS03B	FS03B	Pacific Ocean West Coast USA	40.2732N	124.6526W	-345	From 2012-09-13 to 2013-07-02
FS04B	FS04B	Pacific Ocean West Coast USA	40.2447N	124.5097W	-159	From 2012-09-14 to 2013-07-01
FS04D	FS04D	Pacific Ocean West Coast USA	40.2528N	124.5052W	-155	From 2014-08-12 to 2015-09-15
FS05B	FS05B	Pacific Ocean West Coast USA	40.3866N	124.8996W	-2316	From 2012-08-27 to 2013-06-12
FS06B	FS06B	Pacific Ocean West Coast USA	40.3812N	124.7853W	-2198	From 2012-08-27 to 2013-06-12
FS06D	FS06D	Pacific Ocean West Coast USA	40.3700N	124.8067W	-1946	From 2014-07-16 to 2015-08-28
FS07B	FS07B	Pacific Ocean West Coast USA	40.3392N	124.6596W	-1297	From 2012-09-13 to 2013-07-03
FS07D	FS07D	Pacific Ocean West Coast USA	40.3379N	124.6577W	-1273	From 2014-07-17 to 2015-08-28
FS08B	FS08B	Pacific Ocean West Coast USA	40.3366N	124.4598W	-120	From 2012-09-14 to 2013-07-02
FS08D	FS08D	Pacific Ocean West Coast USA	40.3347N	124.4653W	-132	From 2014-08-12 to 2015-09-15
FS09B	FS09B	Pacific Ocean West Coast USA	40.4387N	124.8085W	-2161	From 2012-08-28 to 2013-06-12
FS09D	FS09D	Pacific Ocean West Coast USA	40.4377N	124.8037W	-2122	From 2014-07-16 to 2015-08-28
FS10B	FS10B	Pacific Ocean West Coast USA	40.4330N	124.6819W	-1076	From 2012-09-13 to 2013-07-02
FS10D	FS10D	Pacific Ocean West Coast USA	40.4328N	124.6940W	-1153	From 2014-07-17 to 2015-08-28
FS11B	FS11B	Pacific Ocean West Coast USA	40.4292N	124.5778W	-132	From 2012-09-15 to 2013-07-03
FS11D	FS11D	Pacific Ocean West Coast USA	40.4285N	124.5775W	-150	From 2014-09-15 to 2015-10-07
FS12B	FS12B	Pacific Ocean West Coast USA	40.4371N	124.5059W	-60	From 2012-09-14 to 2013-07-02
FS12D	FS12D	Pacific Ocean West Coast USA	40.4456N	124.5105W	-55	From 2014-09-15 to 2015-10-06
FS13B	FS13B	Pacific Ocean West Coast USA	40.4931N	124.8065W	-2332	From 2012-09-12 to 2013-07-03
FS13D	FS13D	Pacific Ocean West Coast USA	40.4937N	124.8034W	-2291	From 2014-07-16 to 2015-08-28
FS14B	FS14B	Pacific Ocean West Coast USA	40.4955N	124.5918W	-107	From 2012-09-02 to 2012-12-08
FS14D	FS14D	Pacific Ocean West Coast USA	40.4923N	124.6039W	-145	From 2014-09-14 to 2015-10-06
FS15B	FS15B	Pacific Ocean West Coast USA	40.4926N	124.5126W	-52	From 2012-09-14 to 2013-07-03
FS15D	FS15D	Pacific Ocean West Coast USA	40.4964N	124.5247W	-56	From 2014-09-16 to 2015-10-07
FS16B	FS16B	Pacific Ocean West Coast USA	40.5381N	124.7395W	-1073	From 2012-09-12 to 2013-07-03
FS16D	FS16D	Pacific Ocean West Coast USA	40.5378N	124.7468W	-1080	From 2014-07-16 to 2015-08-28
FS17B	FS17B	Pacific Ocean West Coast USA	40.5598N	124.5965W	-146	From 2012-09-15 to 2013-07-02
FS17D	FS17D	Pacific Ocean West Coast USA	40.5598N	124.5970W	-145	From 2014-09-14 to 2015-10-06
FS18B	FS18B	Pacific Ocean West Coast USA	40.5682N	124.5016W	-107	From 2012-09-16 to 2013-07-01
FS19B	FS19B	Pacific Ocean West Coast USA	40.6279N	124.4667W	-87	From 2012-09-16 to 2013-07-01
FS20B	FS20B	Pacific Ocean West Coast USA	40.3895N	125.0311W	-2378	From 2012-09-12 to 2013-07-04
FS41D	FS41D	Pacific Ocean West Coast USA	40.6124N	124.7310W	-1079	From 2014-07-16 to 2015-08-28
FS42D	FS42D	Pacific Ocean West Coast USA	40.7151N	124.4631W	-95	From 2014-09-14 to 2015-10-05
FS43D	FS43D	Pacific Ocean West Coast USA	40.7119N	124.5839W	-719	From 2014-09-14 to 2015-10-06
FS44D	FS44D	Pacific Ocean West Coast USA	40.7609N	124.7028W	-837	From 2014-08-12 to 2015-09-15
FS45D	FS45D	Pacific Ocean West Coast USA	40.8000N	124.5203W	-477	From 2014-09-13 to 2015-09-09
Fube	FUB	Shimane,Japan	35.2838N	133.1560E	190	From 1968-12-15 to 1975-05-01
Fuego	FGO	Guatemala	14.4457N	90.8405W	1410	From 1973-02-01
Fuego 2	FGO2	Guatemala	14.4387N	90.8358W	1335	From 1986-07-01
Fuego 3	FUG	Guatemala	14.4478N	90.8420W	1505	From 1987-03-01
Fuencaliente de la Palma, La Palma	CFLP	Canary Islands	28.4972N	17.8431W	735	From 2017-11-06
Fuencaliente, La Palma	CTEN	Canary Islands	28.4822N	17.8370W	460	From 2017-05-24
Fuente Hervidero	AFUE	Spain	37.1133N	3.5068W	1586	
Fuerstenfeld	A010A	Austria	47.0733N	16.0793E	266	From 2015-11-11
Fuerstenfeldbruck Borehole	FFB1	Bayern	48.1629N	11.2751E	483	From 2015-07-31
Fuerteventura	CFTV	Canary Islands,Spain	28.4138N	14.0833W	540	From 1985-12-01
Fuerteventura	CFUE	Canary Islands,Spain	28.6468N	13.9359W	180	From 2004-11-17
Fugatoga	FUTU	Wallis and Futuna	14.3077S	178.1211W	97	From 2016-06-26
Fuhringer Ranch, Dutton	C16A	Montana,U.S.A.	47.8012N	111.7458W	1240	From 2007-09-02 to 2009-08-12
Fuji-kawa	FUJ	Yamanashi,Japan	35.2312N	138.4715E	140	
Fujikirizawa	K11	Iwate,Japan	39.4783N	141.5325E	527	
Fujinakano	JFNN	Shizuoka,Japan	35.1940N	138.6852E	167	From 2012-11-01
Fukue	FKJ	Nagasaki,Japan	32.6933N	128.8267E	26	
Fukue jima 2	JFU	Nagasaki,Japan	32.6555N	128.7495E	120	
Fukui	FUK	Fukui,Japan	36.0533N	136.2270E	10	
Fukui	FKJD	Fukui,Japan	36.0941N	136.1233E	90	
Fukuoka	FKK	Fukuoka,Japan	33.5800N	130.3800E	3	
Fukushima	FKS	Fukushima,Japan	37.7567N	140.4750E	69	
Fukushimafurudono	JFFD	Fukushima,Japan	37.0908N	140.5612E	354	From 2012-07-01
Fulga PH	FLGR	Romania	44.8830N	26.4438E	88	From 2020-08-27
Fulgeris	RO07A	Romania	46.3320N	27.1086E	196	From 2022-08-12
Fulgham	FMKY	Kentucky,U.S.A.	36.6640N	88.9090W	152	From 1986-10-30
Fuli	FULB	Taiwan region	23.1986N	121.2939E	376	From 2003-12-12
Fuller Ranch	FRTX	Texas,U.S.A.	32.9388N	100.8480W	689	From 1979-01-01 to 2003-01-28
Fullerton	FULC	California,U.S.A.	33.8717N	117.9225W	51	
Fullerton Airport	FLAS	California,U.S.A.	33.8713N	117.9750W	-400	From 1986-09-12
Fulton Ridge, Patton	S43A	Missouri,U.S.A.	37.5716N	90.0754W	263	From 2011-05-21 to 2013-04-14
Fumarole	FUM	California,U.S.A.	38.7932N	122.7879W	673	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Funafuti	FUNA	Tuvalu (Ellice Islands)	8.5259S	179.1966E	-1	
Funaoka	FOTD	Tottori,Japan	35.3305N	134.2672E	200	
Funatsu	FUN	Yamanashi,Japan	35.4983N	138.7630E	860	
Funchal	FUL	Madeira Islands,Portugal	32.6476N	16.8922W	58	From 1973-12-07
Fundacion de Amor Ceiba	FAPR	Caribbean Sea	18.2166N	65.6566W	54	From 2021-07-23
Fundacion Guayasamin, Bellavista alto, Iaquito	INAQ	Ecuador	0.1904S	78.4694W	2899	From 2017-07-10
Funeral Mountains	FMT	California,U.S.A.	36.6375N	116.7826W	1079	From 1978-11-28
Funhalouro, A4658	M4658	Mozambique	23.0973S	34.3782E	100	
Funiculaire Bar˙ges	EVFU	Midi-Pyrenees	42.8844N	0.0747E	1990	From 2022-12-08
Funks Creek	GFC	California,U.S.A.	39.3266N	122.2889W	64	
FUNVISIS	FUNV	Venezuela	10.4690N	66.8100W	918	From 2000-08-09
Fuquene	FUQ	Colombia	5.4700N	73.7381W	2580	From 1957-12-01
Furan	JFR	Kamikawa,Japan	43.1635N	142.5935E	360	
Furi	FURI	Ethiopia	8.8967N	38.6783E	2560	
Furnace Creek,Death Valley	FURC	California,U.S.A.	36.4670N	116.8632W	-37	From 1996-11-19
Furnas	FRA1	Azores,Portugal	37.7430N	25.3568W	555	From 2004-03-01
Furnas	FRA	Azores,Portugal	37.7593N	25.3533W	557	From 1981-01-01
Furstenfeldbruck	FUR	Bayern,Germany	48.1655N	11.2763E	565	From 1996-11-19
Furth	WBA	Hessen,Germany	49.6544N	8.8183E	483	From 2001-10-25
Furtwangen	FWS	Baden-Wurttemberg,Germany	48.0530N	8.1976E	925	From 1969-03-01 to 2020-02-01
Furusato	FURD	Kagoshima,Japan	31.5608N	130.6614E	360	
Fuscaldo	FSC	Italy	39.4189N	16.0425E	54	
Fusea	FUSE	Italy	46.4142N	13.0011E	520	From 2007-12-13
Fushanzhiwuyuanguanzhi	FUSB	Taiwan region	24.7597N	121.5875E	690	From 2014-06-30
Fushiki	HKI	Toyama,Japan	36.7833N	137.0500E		
Fushou	FUSS	Taiwan region	24.2476N	121.2438E	2047	From 2014-07-28
Fush Village	ETL	Taiwan region	24.1590N	121.6230E	415	From 1998-08-07
Fusio	FUSIO	Switzerland	46.4549N	8.6632E	1480	From 1999-08-16
Futaleuf	FUTA	Chile	43.1886S	71.8525W	354	
Futaleuf	LL02	Los Lagos	43.1906S	71.8484W	368	From 2014-09-12
Futatsui	FUT	Akita,Japan	40.1467N	140.2167E	140	From 1967-12-29
Futbol	FUTB	Turkey	40.8649N	28.9934E	32	From 2006-09-26
FVAF	FVAF	Finland	63.0420N	22.6180E	55	
Fyli	FILI	Greece	38.1146N	23.6787E	547	
Fyli, Attica	FYLH	Greece	38.1146N	23.6787E	483	From 2019-07-20
Fyli,Attica,Greece	PARN1	Greece	38.1026N	23.6693E	331	From 2019-07-19
Fyodorovka	FDRN	Kazakhstan	51.2700N	51.7683E	65	From 2022-05-15
Fytoko, Volos	FYTO	Greece	39.4086N	22.9396E	192	From 2008-07-01
G01D	G01D	Pacific Ocean West Coast USA	39.9999N	124.6008W	-1006	From 2014-07-17 to 2015-08-27
G02B	G02B	Pacific Ocean West Coast USA	40.0486N	125.2969W	-1920	From 2012-09-02 to 2013-06-19
G02D	G02D	Pacific Ocean West Coast USA	40.1603N	125.2977W	-1741	From 2014-09-16 to 2015-09-12
G03A7	G03A7	Pacific Ocean West Coast USA	40.0591N	126.1625W	-4113	From 2011-11-17 to 2012-05-14
G03B	G03B	Pacific Ocean West Coast USA	40.0580N	126.1634W	-4051	From 2012-08-27 to 2013-06-11
G03D7	G03D7	Pacific Ocean West Coast USA	40.0587N	126.1612W	-4056	From 2014-07-14 to 2015-08-29
G04B	G04B	Pacific Ocean West Coast USA	40.0585N	126.9285W	-4368	From 2012-08-27 to 2013-06-08
G04D	G04D	Pacific Ocean West Coast USA	40.1577N	126.7847W	-4350	From 2014-07-14 to 2015-08-29
G04S	G04S	Maule	34.3663S	71.8808W	491	
G05B	G05B	Pacific Ocean West Coast USA	40.0706N	127.7478W	-4462	From 2012-08-27 to 2013-06-08
G05D7	G05D7	Pacific Ocean West Coast USA	40.1430N	127.8257W	-4463	From 2014-07-14 to 2015-08-30
G05S	G05S	Maule	34.4337S	72.0167W	99	
G07S	G07S	Maule	34.7825S	72.0270W	39	
G09B	G09B	Pacific Ocean West Coast USA	40.6568N	124.7187W	-842	From 2012-09-16 to 2013-07-01
G09D	G09D	Pacific Ocean West Coast USA	40.6665N	124.7269W	-716	From 2014-07-16 to 2015-08-28
G10B	G10B	Pacific Ocean West Coast USA	40.6779N	125.5533W	-2936	From 2012-09-02 to 2013-06-19
G10D	G10D	Pacific Ocean West Coast USA	40.7888N	125.5544W	-3015	From 2014-08-11 to 2015-09-15
G10S	G10S	Maule	35.0523S	72.0898W	20	
G11B	G11B	Pacific Ocean West Coast USA	40.6875N	126.3764W	-3123	From 2012-08-28 to 2013-06-09
G11D	G11D	Pacific Ocean West Coast USA	40.7845N	126.4683W	-3145	From 2014-08-03 to 2014-08-05
G11S	G11S	Maule	34.4188S	71.8452W	550	
G12B	G12B	Pacific Ocean West Coast USA	40.6869N	127.2289W	-3080	From 2012-09-02 to 2012-11-09
G12S	G12S	Maule	35.2362S	72.2657W	132	
G13B	G13B	Pacific Ocean West Coast USA	40.6840N	128.0283W	-3215	From 2012-08-26 to 2013-06-07
G13D	G13D	Pacific Ocean West Coast USA	40.7482N	127.9371W	-3186	From 2014-07-14 to 2015-08-30
G14S	G14S	Maule	35.4028S	72.4393W	236	
G15S	G15S	Maule	34.4845S	71.8822W	464	
G16S	G16S	Maule	35.5992S	72.5835W	62	
G17B	G17B	Pacific Ocean West Coast USA	41.2839N	124.3446W	-123	From 2012-09-17 to 2013-07-01
G17D	G17D	Pacific Ocean West Coast USA	41.3996N	124.4332W	-99	From 2014-09-13 to 2014-09-16
G17S	G17S	Maule	35.5150S	72.0833W	258	
G18B	G18B	Pacific Ocean West Coast USA	41.3016N	124.9363W	-1464	From 2012-09-18 to 2013-05-16
G18D	G18D	Pacific Ocean West Coast USA	41.3047N	125.2558W	-3130	From 2014-09-13 to 2015-10-05
G1948 Merrick Township	E51A	Ontario,Canada	46.5333N	79.4924W	369	From 2012-10-21
G1974 Best Township, ON	D50A	Ontario,Canada	47.1668N	79.8412W	331	From 2012-10-19
G19B	G19B	Pacific Ocean West Coast USA	41.3074N	125.7736W	-3071	From 2012-08-28 to 2013-06-13
G19D	G19D	Pacific Ocean West Coast USA	41.3316N	126.0279W	-3082	From 2014-09-18 to 2015-09-14
G20B	G20B	Pacific Ocean West Coast USA	41.2987N	126.6133W	-3141	From 2012-08-28 to 2013-06-11
G20D	G20D	Pacific Ocean West Coast USA	41.4516N	126.8638W	-2931	From 2014-07-13 to 2015-08-31
G21B	G21B	Pacific Ocean West Coast USA	41.3160N	127.4537W	-3156	From 2012-08-28 to 2013-06-11
G21D	G21D	Pacific Ocean West Coast USA	41.1227N	127.4480W	-3293	From 2014-07-13 to 2015-08-30
G22B	G22B	Pacific Ocean West Coast USA	41.3092N	128.2740W	-3038	From 2012-08-26 to 2013-06-07
G22D	G22D	Pacific Ocean West Coast USA	41.4336N	128.0166W	-3092	From 2014-07-13 to 2015-08-30
G25B	G25B	Pacific Ocean West Coast USA	41.9199N	124.5861W	-430	From 2012-09-18 to 2013-07-31
G25D	G25D	Pacific Ocean West Coast USA	41.9811N	124.7267W	-688	From 2014-09-12 to 2015-10-08
G26B	G26B	Pacific Ocean West Coast USA	41.9249N	125.1775W	-2357	From 2012-09-17 to 2013-08-07
G26D	G26D	Pacific Ocean West Coast USA	41.9838N	125.3083W	-3104	From 2014-09-19 to 2015-10-04
G27B	G27B	Pacific Ocean West Coast USA	41.9166N	126.0167W	-3480	From 2012-09-03 to 2013-06-20
G27D	G27D	Pacific Ocean West Coast USA	42.0013N	125.9817W	-2939	From 2014-09-19 to 2015-10-05
G28B	G28B	Pacific Ocean West Coast USA	41.9428N	126.7339W	-3327	From 2012-09-04 to 2013-06-20
G29B	G29B	Pacific Ocean West Coast USA	41.9772N	127.4834W	-3197	From 2012-08-29 to 2013-06-11
G29D	G29D	Pacific Ocean West Coast USA	42.2174N	127.6052W	-2910	From 2014-07-12 to 2015-08-31
G30A7	G30A7	Pacific Ocean West Coast USA	41.9550N	128.3193W	-3124	From 2011-11-18 to 2012-05-14
G30B	G30B	Pacific Ocean West Coast USA	41.9565N	128.3198W	-3119	From 2012-08-26 to 2013-06-08
G33B	G33B	Pacific Ocean West Coast USA	42.5483N	124.7162W	-213	From 2012-09-19 to 2013-06-29
G33D	G33D	Pacific Ocean West Coast USA	42.6653N	124.8020W	-686	From 2014-08-12 to 2015-08-24
G34B	G34B	Pacific Ocean West Coast USA	42.5554N	125.2010W	-2954	From 2012-09-11 to 2013-07-06
G34D	G34D	Pacific Ocean West Coast USA	42.5723N	125.4486W	-3089	From 2014-09-10 to 2015-10-04
G35B	G35B	Pacific Ocean West Coast USA	42.5658N	126.0558W	-2367	From 2012-08-29 to 2013-06-10
G35D	G35D	Pacific Ocean West Coast USA	42.5557N	126.3990W	-2822	From 2014-07-12 to 2015-08-31
G36B2	G36B2	Pacific Ocean West Coast USA	42.5994N	126.9038W	-2423	From 2012-08-29 to 2013-06-10
G36D	G36D	Pacific Ocean West Coast USA	42.4618N	126.8965W	-3779	From 2014-07-12 to 2015-08-31
G37B	G37B	Pacific Ocean West Coast USA	42.5913N	127.7213W	-3004	From 2012-09-04 to 2013-06-20
G37D	G37D	Pacific Ocean West Coast USA	42.6285N	127.3009W	-2805	From 2014-07-30 to 2015-09-12
G50S	G50S	Maule	35.5942S	72.5988W	54	
Gabala	QBL	Azerbaijan	40.9460N	47.8370E	670	From 2011-04-22
Gabal Elzet	ZEIT	Egypt	27.8698N	33.5388E	232	
Gabbs	GAB	Nevada,U.S.A.	38.9752N	117.9130W		
Gabbs	Q08A	Nevada,U.S.A.	38.8606N	117.9316W	1411	From 2006-03-02 to 2008-03-14
GABELA	GABEL	Angola	10.8568S	14.3782E	1148	From 2023-03-07
Gabel Atot	ATOT	Egypt	28.1698N	33.8603E		
Gable Butte	GBB	Washington,U.S.A.	46.6082N	119.6270W	177	
Gable Mountain	GBL	Washington,U.S.A.	46.5983N	119.4600W	330	From 1969-03-01
Gabriel Gonzalez Videla	GGV	Antarctic Peninsula	64.8199S	62.8633W		
Gabriels	H58A	New York,U.S.A.	44.4176N	74.1798W	537	From 2013-08-25
Gabus, Jawa Tengah	GGJM	Indonesia	7.1717S	111.2037E	81	From 2019-01-01
Gadeokdo	GDDB	Republic of Korea	34.9930N	128.8263E	-52	From 2016-12-16
Gadlja	GADL	Magadanskaya Oblast'	59.6670N	151.3190E	27	From 2015-10-23
GAD MUNICIPAL DE MACARA	AMCA	Ecuador	4.3798S	79.9429W	448	From 2018-12-17
GAD MUNICIPAL DE PUJILI	APJL	Ecuador	0.9566S	78.6960W	2944	From 2019-02-04
GAD MUNICIPAL DE ZAPOTILLO	AZPT	Ecuador	4.3879S	80.2432W	171	From 2018-12-18
Gadot	GDOT	Israel	33.0164N	35.6194E	142	From 2018-11-25
Gaecheon	GACA	Republic of Korea	35.1136N	128.3071E	147	From 2018-03-09
Gafsa	GAF	Tunisia	34.4167N	8.8000E	314	From 1976-01-01
Gafsa	GFA	Tunisia	34.3382N	9.7265E	250	
Gagan, Kwajalein Atoll, Marshall Island	KWJN	Marshall Islands	9.2373N	167.5369E	-1	From 2017-07-29
Gageodo	GGDB	Republic of Korea	34.0523N	125.1264E	34	From 2015-10-01
Gaggia	GAGG	Italy	46.0835N	10.9587E	1617	From 2012-11-19
Gagliano Castelferrato	GALF	Italy	37.7107N	14.5665E	740	From 2006-10-27
Gagliole	GAG1	Italy	43.2381N	13.0674E	460	From 2011-03-15
Gaibana	GBAN	Nepal	28.6800N	81.6140E	2120	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gaighat	GAIG	Nepal	26.8380N	86.6318E	166	From 2001-10-14 to 2002-06-03
Gainesville	GAI	Florida,U.S.A.	29.6458N	82.3394W	50	
Gaiserwald	SGT01	Switzerland	47.4316N	9.3185E	813	From 2012-01-15
Gala	GALA	Azerbaijan	40.4100N	50.1550E	22	From 2003-08-01
Gala Law	EGL1	Scotland,United Kingdom	55.8611N	2.7425W	245	
Gala Law	EGL	Scotland,United Kingdom	55.8617N	2.7383W	245	From 1969-01-01 to 1981-11-27
Galapagos	I20EC	Galapagos	0.6025S	90.3722W	448	From 2017-12-07
Galapagos Islands	GIE	Galapagos,Ecuador	0.7333S	90.3000W	30	From 1960-01-01
Galati	GISR	Romania	45.4411N	28.0541E	67	From 2013-04-17
Galati	GLT4	Romania	45.4479N	28.0559E	24	From 2015-10-19
Galatos Road	GRRZ	North Island,New Zealand	38.3497S	176.1099E	522	From 2009-11-12
Galatro	FERC	Italy	38.4527N	16.1281E	460	From 2018-06-20 to 2023-10-04
Galbreath Wildlands Preserve SSU	GALB	California	38.8620N	123.2564W	500	From 2018-09-01
Galela, Maluku	GAMI	Moluccas,Indonesia	1.8381N	127.7879E	130	From 2008-12-01
Galena City School	GCSA	Alaska,U.S.A.	64.7461N	156.8792W	46	
Galeota Point, Trinidad and Tobago	TGAL	Trinidad and Tobago	10.1468N	60.9955W	3	From 2020-02-13
Galera	GALE	Ecuador	0.8213N	80.0133W	25	From 1991-11-03 to 1992-04-28
Galerazamba	GAL	Colombia	10.7856N	75.2622W	21	From 1949-04-01
Gales Ferry	M63A	Connecticut,U.S.A.	41.4038N	72.0464W	44	From 2013-09-07
Galeton	GT-	Pennsylvania,U.S.A.	41.6317N	77.8111W	610	From 1962-05-31 to 1962-06-28
Galeton	GT-PA	Pennsylvania,U.S.A.	41.6317N	77.8111W	610	From 1962-05-31 to 1962-06-28
Galiano Island	GOB	British Columbia,Canada	49.0122N	123.5830W	10	
Galiano Island	GOBB	British Columbia,Canada	48.9493N	123.5105W	161	
Galich'ya Gora	LPSR	Voronezhskaya Oblast',Russia	52.6012N	38.9282E	136	From 2007-08-05
Galileo	GALC	California,U.S.A.	35.2137N	117.7547W	980	
Galion	GZ-OH	Ohio,U.S.A.	40.6600N	82.7833W	372	
Galiote	GAAQ	Quebec	49.2817N	63.2366W	1	From 2015-09-18
Gallatin	GLT	Tennessee,U.S.A.	36.3620N	86.4980W	159	From 1981-11-10
Gallatin River Ranch	NQMA	Montana,U.S.A.	45.9048N	111.3323W	1386	From 2013-07-26
Gallina	CR2G	Colombia	1.2104N	77.3570W	4058	
Galliners	CGAL	Spain	42.1480N	2.8752E	132	From 2021-03-24
Gallitello	T1573	Italy	37.8628N	12.9301E	183	From 2020-09-23 to 2021-04-20
Galloway	GAL1	Scotland,United Kingdom	54.8664N	4.7114W	117	From 1989-01-01
Galoa	NGA	Fiji	18.1919S	177.9979E	396	From 1979-10-01
Galt	O38A	Missouri,U.S.A.	40.1215N	93.4731W	266	From 2010-11-18 to 2012-09-27
Galvasay	GAY	Uzbekistan	41.5333N	69.9000E		
Gam	GAMM	Namibia	20.2505S	20.8253E	1065	
Gambarie	GMB	Italy	38.1681N	15.8289E	1300	
Gambatesa	GATE	Italy	41.5131N	14.9102E	487	From 2009-11-03
Gambell	GAMB	Alaska,U.S.A.	63.7758N	171.7035W	5	From 2002-02-23
Gamboa	GAMB1	Panama	9.1200N	79.7100W	40	
Games and Wildlife Shai Hills	SHAI	Ghana	5.9371N	0.0627E	107	
Gameti Lake	GALN	Yukon Territory,Canada	64.1167N	117.3143W	340	
Gampel, Insieme Werkstaetten	GAM01	Valais	46.3125N	7.7553E	631	From 2018-07-13
Gampel Kirche, VS	SGAK	Switzerland	46.3155N	7.7415E	634	From 2016-05-15
Ganado	V18A	Arizona,U.S.A.	35.7113N	109.9327W	1977	From 2007-05-11 to 2009-02-07
Ganagobie	GANF	Provence-Cote d'Azur,France	43.9976N	5.9087E	650	
Ganaly	GNL	Kamchatskaya Oblast',Russia	53.6950N	157.9419E	1200	
GANAUR	GNR	Haryana	29.1340N	77.0180E	228	From 2017-11-21
Gandia	EXGA	Spain	38.9660N	0.1780W	40	From 2003-09-24
Gandoca	RGM0	Costa Rica	9.5902N	82.6073W	17	
Gandoh	GANDO	Jammu and Kashmir	33.0328N	75.9133E	1591	
Gane Barat, Maluku Utara	GHMI	Indonesia	0.3563S	127.8797E	37	From 2019-01-01
Gangavaram	GGR	India	17.8240N	80.2010E	532	
Gangdong	GGDA	Republic of Korea	35.9499N	129.2531E	52	From 2018-03-09
Ganggu	GGGA	Republic of Korea	36.3637N	129.3907E	106	From 2018-03-09
Ganghwa	KSGAH	Republic of Korea	37.7076N	126.4465E	62	From 2009-01-01
Ganghyeon	YAYA	Republic of Korea	38.1438N	128.6025E	11	From 2015-09-30
Gangi	GNGI	Italia	37.7949N	14.2003E	810	From 2023-08-22
Gangneung	KSKAN	Republic of Korea	37.7425N	128.8893E	25	From 2001-12-15
Gangneung Acc Borehole	KAW	Republic of Korea	37.8052N	128.8548E	80	From 2008-03-26
Gangseo	KSGSG	Republic of Korea	37.5485N	126.8446E	67	From 2007-12-12
Ganja	GANJ	Azerbaijan	40.6460N	46.3220E	574	From 2003-01-01
Ganja	KRV	Azerbaijan	40.6280N	46.3100E	532	From 1950-01-01
Ganjari	GJRN	Nepal	29.4800N	80.7400E	2934	
Ganki	GNK	Aomori,Japan	40.7322N	140.3366E	100	
Gan-Ner	GNNR	Israel	32.5280N	35.3354E	224	From 2018-02-08
Ganzirri	GZI	Sicily,Italy	38.2647N	15.6086E		
Gaotai	GTA2	Gansu,China	39.4866N	99.7594E	1350	From 2019-01-01
Gaotai	GTA	Gansu,China	39.4106N	99.8144E	1341	
Gapyeong	GAPB	Republic of Korea	37.8441N	127.4950E	111	From 2015-10-01
Garabito Jaco	BITO	Costa Rica,Costa Rica	9.6190N	84.6210W	24	
Garachico, Isla de Tenerife	CDOS	Canary Islands	28.2941N	16.7393W	1620	From 2017-03-28
Garafia, La Palma	CROM	Canary Islands	28.7599N	17.8825W	2295	From 2017-10-10
Garbatella, Casetta Rossa, Rome	NR13	Italy	41.8650N	12.4888E	24	From 2021-01-12 to 2021-04-06
Garbova	RO23A	Romania	45.8661N	23.7265E	363	From 2022-09-12
Garching a.d. Alz	KW1	Bayern	48.1219N	12.5972E	514	From 2010-12-02
Garchy	GRC	Bourgogne,France	47.2956N	3.0736E	191	From 1957-11-22
Garcia Hernandez, Bohol	GHBP	Philippines	9.6300N	124.3210E	157	From 2016-04-04
Gardenia Lake, NWT	GDLN	Northwest Territories,Canada	62.0199N	105.9943W	385	From 2008-07-16
Garden Prairie	L43A	Illinois,U.S.A.	42.1833N	88.7423W	266	From 2011-09-17 to 2013-06-14
Gard house	GARD	Turkey	40.8660N	28.9938E	7	From 2006-09-26
Gardner Draw, Artesia	125A	New Mexico,U.S.A.	32.6588N	104.6573W	1212	From 2008-03-13 to 2010-02-18
Gardner Farm	GRD	Utah,U.S.A.	40.5983N	111.9258W	1323	
Gardner Place, Afton	K17A	Wyoming,U.S.A.	42.7507N	110.9201W	1922	From 2007-11-03 to 2009-05-16
Gardone Riviera	PDN6	Italy	45.6423N	10.5485E	370	From 2021-10-01
Gareloi East	GAEA	Alaska,U.S.A.	51.7830N	178.7468W	326	
Gareloi-Kavalga I.	GAKI	Alaska,U.S.A.	51.5544N	178.8121W	99	
Gareloi Lava Pt.	GALAA	Alaska,U.S.A.	51.7618N	178.7715W	315	
Gareloi North	GANO	Alaska,U.S.A.	51.8203N	178.8038W	451	
Gareloi Northeast	GANE	Alaska,U.S.A.	51.8189N	178.7767W	322	
Gareloi Southwest	GASW	Alaska,U.S.A.	51.7789N	178.8546W	248	
Garessio	GARS	Italy	44.2043N	8.0164E	573	From 2022-12-14
Gargantiel	E039	Spain	38.8227N	4.6948W	591	
Gargnano BS	GARGN	Italy	45.6902N	10.6619E	1003	
Gari	GARIG	Georgia	42.6040N	43.4688E	990	
Garibaldi Hill	MBGB	Montserrat	16.7323N	62.2278W	253	
Gariep Dam	HVD	South Africa,South Africa	30.6050S	25.4967E	1433	
Garipa, Crete, Greece	CRE3	Greece	35.0769N	25.2462E	249	From 2021-09-28
Garland	GL-TX	Texas,U.S.A.	32.9722N	96.6350W	168	
Garland	GL-	Texas,U.S.A.	32.9722N	96.6350W	168	
Garlstedt	IGAD	Germany	53.2576N	8.6904E	43	From 2003-07-01
Garm	GAR	Tajikistan	39.0000N	70.3160E	1305	From 2005-10-22
Garm	GAM	Tajikistan	39.0000N	70.3167E	1305	
Garmisch-Partenkirchen	GAPA	Bayern,Germany	47.4970N	11.1170E	760	From 1991-01-01 to 2001-10-20
Garmisch-Partenkirchen	GAP	Bayern,Germany	47.4767N	11.0644E	725	From 1973-06-01 to 2004-08-13
Garmisch-Partenkirchen	PART	Bayern,Germany	47.4970N	11.1130E	760	From 2003-01-01
Garner Mountain	LGMM	California,U.S.A.	41.5997N	121.8350W	1560	From 1988-10-23
Garner Mountain, Tennant, CA USA	LGMB	California	41.5994N	121.8363W	1624	From 2020-08-01
Garner Valley	GVDA	California,U.S.A.	33.6689N	116.6738W	1341	
Garnes Mountain	GMI	Idaho,U.S.A.	43.7065N	111.3430W	2630	From 1974-06-01 to 1980-07-24
Garnett, Star City	Y42A	Arkansas,U.S.A.	33.8364N	91.7871W	77	From 2011-04-08 to 2013-02-16
Garni	GNI	Armenia	40.1495N	44.7414E	1583	From 1992-01-01
Garraf	CGAR	Spain	41.2933N	1.9137E	584	
Garret Mountain	GMTN	New Jersey,U.S.A.	40.8825N	74.1845W	165	From 1978-04-25
Garrett	L23A	Wyoming,U.S.A.	42.1143N	105.7012W	2153	From 2008-07-17 to 2010-05-14
Garrison	GARN	New York,U.S.A.	41.3603N	73.9240W	207	
Garrison Hill	GHW	Washington,U.S.A.	47.0417N	122.2720W	268	From 1975-09-24
Garrygala	GARG	Turkmenistan	38.4390N	56.2730E	315	
Gartow	GOR3	Germany	53.0332N	11.4347E	-280	From 2013-10-30
Garurganga	GARI	Uttar Pradesh,India	30.4525N	79.4445E	1500	From 1986-07-26
Garvey Reservoir	GVRC	California,U.S.A.	34.0497N	118.1199W	141	From 1987-10-08
Gary	239A	Texas,U.S.A.	32.0179N	94.4707W	100	From 2010-02-21 to 2011-12-11
Gary Mavity, Velonia	W41B	Arkansas,U.S.A.	35.1736N	92.2479W	95	From 2011-04-07
Garzon, Huila	GARC	Colombia	2.1870N	75.4930W	1999	From 2014-02-27
Gasbuggy	GB-NM	New Mexico,U.S.A.	36.6869N	107.2261W	2164	
Gasfeld	DEEL	Germany	52.9572N	9.3143E	0	From 2013-08-27
Gashen	GASE	Ethiopia	11.6813N	38.9211E	2972	
Gaspe, Quebec	GASG	Quebec,Canada	48.9463N	66.1161W	261	From 2005-10-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gateway	GACO	Colorado,U.S.A.	38.6844N	108.9737W	1414	
Gateway, N21	NCR21	Colorado	38.8694N	108.5092W	1874	
Gattinara, La Torre	A287A	Italy	45.6225N	8.3610E	423	From 2015-09-07
Gaunt Creek Borehole	GCSZ	South Island,New Zealand	43.3160S	170.3267E	129	From 2012-04-01
Gauribidanur Array	GBA	Karnataka,India	13.6042N	77.4361E	686	From 1965-01-01
Gaurikund	GKD	Himachal Pradesh,India	30.6213N	79.0029E	1760	From 2007-05-01
Gavdhos	GVD	Crete,Greece	34.8391N	24.0874E	180	
Gavdhos	GAVD	Crete,Greece	34.8432N	24.0862E	175	
Gavdos	GVDS	Crete,Greece	34.8387N	24.0588E	164	From 2007-05-01
Gavelli	GAVE	Italy	42.6922N	12.8942E	1161	From 2006-09-26
Gavello, Mirandola (MO)	MIR04	Italy	44.9275N	11.1783E	8	From 2012-05-24
Gavieira, Arcos de Valdevez	PGAV	Portugal	41.9653N	8.2698W	1084	From 2008-10-27
Gavin Park	CGPM	California,U.S.A.	37.6453N	122.0100W	366	
Gaya	GAYA	Bihar	24.8030N	85.2320E	101	From 2018-06-03
Gaylord	GY-	Minnesota,U.S.A.	44.5047N	94.0547W	305	From 1962-07-05 to 1962-07-11
Gaylord	GY-MN	Minnesota,U.S.A.	44.5047N	94.0547W	305	From 1962-07-05 to 1962-07-11
Gaynekanda	GNKN	Nepal	28.6330N	81.3310E	1334	
Gaziantep	GZT	Turkey	37.3553N	37.5641E	1446	From 2002-03-01
Gaziantep	GZTT	Turkey	37.0361N	37.3125E	850	From 1992-01-01
Gaziantep	SOFT	Turkey	37.1278N	37.3458E	1209	From 1998-02-11 to 2002-08-07
Gaziantep	GAZ	Turkey	37.1721N	37.2113E	864	From 1989-07-01
Gazi, Herakleio	HERG	Greece	35.3262N	25.0659E	31	From 2012-03-29
Gazikoy-Tekirdag	GZKV	Turkey	40.7478N	27.3274E	30	From 2014-10-25
Gazikoy-TEKIRDAG	GAZK	Turkey	40.7479N	27.3275E	30	From 2019-12-23
Gazipasa	GAZI	Turkey	36.2347N	32.3157E	394	From 2008-03-06
Gazly	GZLY	Uzbekistan	40.1294N	63.4472E	186	
Gaz Metro	LNGQ	Quebec,Canada	45.6564N	73.5284W	25	From 1988-01-01
Gazzo Veronese (Italy)	GAZZ	Italy	45.1134N	11.0950E	12	From 2009-12-04
GB0S	GB0S	Maule	33.5987S	71.2093W	168	
GB Array	GB1S	Maule	33.5977S	71.2078W	177	
GB Array	GB3S	Maule	33.6000S	71.2110W	183	
GB Array	GB4S	Maule	33.6002S	71.2078W	189	
GB Array	GB2S	Maule	33.5973S	71.2108W	166	
Gbely	A333A	Slovakia	48.7156N	17.1041E	177	From 2015-09-17
GC Array	GC1T	Maule	33.9962S	71.6042W	242	
GC Array	GC5S	Maule	34.0007S	71.6052W	259	
GC Array	GC3S	Maule	33.9987S	71.6017W	257	
GC Array	GC4S	Maule	33.9993S	71.6040W	270	
GC Array	GC2S	Maule	33.9982S	71.6063W	234	
Gebbies Pass	GPZ	South Island,New Zealand	43.6946S	172.6446E	225	From 1956-11-20 to 1977-10-31
Gebel Alisa	AGAL	Egypt	23.4285N	32.8255E		
Gebel Marawa	AGMR	Egypt	23.5377N	32.5405E	237	
Gebel Rewraw	AGRW	Egypt	23.6450N	32.8097E		
Gebze	GEB	Turkey	40.8186N	29.4222E	240	From 1979-12-01 to 1999-08-25
Gebze	GBZT	Turkey	40.7889N	29.4450E	184	
Gebze	GBZE	Turkey	40.8153N	29.4110E	201	From 2005-11-15
Gebze-Kocaeli	LAFA	Turkey	40.7598N	29.3555E	38	From 2011-01-01
GEDABAY	GDB	Azerbaijan	40.7210N	45.7540E	1643	From 2010-12-22
Gedangan, Jawa Timur	GEJI	Indonesia	8.4102S	112.6451E	80	From 2019-10-01
Gedangsari, Yogyakarta	GKJM	Indonesia	7.8411S	110.5922E	211	From 2019-01-01
Geddes	J31A	South Dakota,U.S.A.	43.2915N	98.7396W	491	From 2010-07-31 to 2012-05-18
Gedeh	GED	Jawa,Indonesia	7.8333S	113.8330E		
Gedikpinar	GEDT	Turkey	39.9737N	29.7232E	700	From 1994-01-01
Gediz	GEDZ	Turkey	39.0444N	29.4104E	883	From 2010-10-21
Gediz	GDZ	Turkey	39.0888N	29.4811E	1367	From 2005-01-17
Geehi	GEE	New South Wales,Australia	36.4197S	148.1830E	480	From 1958-01-01 to 1968-12-31
GeErMu	GOMU	Qinghai,China	36.1984N	94.8145E	3121	From 2009-01-01
Gees Lookout	GEES	Tasmania,Australia	41.4453S	147.1236E	70	From 1995-04-07
Gegechkori	GEG	Georgia,Georgia	42.3500N	42.3833E	180	From 1957-01-01
Geita	GETA	Tanzania	2.8660S	33.2410E	1267	From 2011-08-02
Geita	GEIT	Tanzania,United Republic of Tanzania	2.8815S	32.2168E	1276	
GELA	GEA	Italy	37.0562N	14.3146E	620	From 2008-03-12
GELA CABINA ENEL	GEL	Italy	37.0846N	14.2691E	230	From 2010-06-14
Gelendzhik	GL1R	Russia	44.5490N	38.0700E	0	
Gelenjik	GELR	Krasnodarskiy Kray	44.5803N	37.9867E	70	From 2017-07-17
Gemlik	GEMT	Turkey	40.4350N	29.1890E	220	From 2006-07-07
Gemlik-BURSA	GEML	Turkey	40.4646N	29.2116E	222	From 2020-06-11
Gemona	GEPF	Italy	46.2750N	13.1386E	12	From 2008-07-17
Gemona	GMNA	Italy	46.2750N	13.2369E	270	
Gemona, Istituto Magrini Marchetti	GMAR	Italy	46.2838N	13.1259E	200	From 2017-10-14
Gemsstock NE-Grat, Andermatt, UR	GMS01	Switzerland	46.6028N	8.6127E	2953	From 2018-10-17
Genat	GENF	Midi-Pyrenees	42.8230N	1.5720E	960	From 2015-07-13
General Luna, Surigao del Norte	GLSP	Mindanao	9.7839N	126.1268E	100	From 2014-09-01
General Santos	GTP	Mindanao,Philippines	6.1333N	125.2167E		
General Santos City	GSPH	Mindanao,Philippines	6.0870N	124.9490E	1050	
Geneseo	GENY	New York,U.S.A.	42.7670N	77.8170W	0	From 2001-10-27 to 2007-07-02
Genve, Vieux-Billard	SGEV	Switzerland	46.2006N	6.1367E	373	From 2011-05-01
Genf, Marziano	SGEM	Switzerland	46.1927N	6.1304E	377	From 1992-06-05
Gennadi, Rhodes Island	RGE1	Greece	36.0269N	27.9305E	5	From 2012-08-01
Gen. Nakar, Quezon	GNQP	Philippines	14.7690N	121.6085E	190	
Geno	GENO	Iran	27.4000N	56.1723E	1616	From 2010-04-30
Genoa	GNO	Nevada,U.S.A.	38.9292N	119.8530W	1646	
Genouille - 86104 - Vienne - France	GNEF	Poitou-Charentes	46.1047N	0.3289E	110	From 2019-10-30
Genova	GEN	Italy	44.4181N	8.9301E	53	From 1963-01-01 to 1995-12-31
Genova	GNV	Italy	44.4317N	8.9320E	419	From 2007-12-05
Genova University	GENL	Italy	44.4057N	8.9697E	80	From 1995-09-01
Genta-Ana	GENH	Iburi,Japan	42.5513N	140.8532E	150	
Gentilly	GNT	Quebec,Canada	46.3628N	72.3722W	10	From 1978-04-06
Gentvishi	GTS	Georgia,Georgia	43.3828N	41.2820E	740	From 2006-09-01
Genyem	GENI	Irian Jaya,Indonesia	2.5927S	140.1678E	45	From 2009-11-24
Geochang	KSKCH	Republic of Korea	35.6140N	127.9188E	420	From 2006-12-30
Geochang	KSKUC	Republic of Korea	35.6676N	127.9079E	220	From 2000-02-24
Geoje	KJM	Republic of Korea	34.8336N	128.5930E	7	From 1996-01-24
geojin	GEJB	Republic of Korea	38.4165N	128.3858E	135	From 2018-03-02
Geological Survey, Reston	GSR	Virginia,U.S.A.	38.9479N	77.3696W	119	From 1975-06-01
Geomundo	GMDB	Republic of Korea	34.0409N	127.2883E	120	From 2015-10-01
Geophysical Institute, University of Alaska	GIA	Alaska,U.S.A.	64.8600N	147.8350W	158	From 1969-06-01 to 1971-01-31
George	J34A	Iowa,U.S.A.	43.2844N	95.9579W	432	From 2010-07-30 to 2012-05-17
Georgetown	Q50A	Ohio,U.S.A.	38.8436N	83.9790W	262	From 2012-06-24
Georgetown	GEO	District of Columbia,U.S.A.	38.9000N	77.0667W	29	From 1911-01-01
Georgetown	GTD	Delaware,U.S.A.	38.7414N	75.4144W	15	From 1977-01-01 to 1999-01-31
Georgetown Playfield ANSS-SMO	GTWN	Washington,U.S.A.	47.5512N	122.3220W	25	From 2004-08-01
Georgetown, SC	Z59A	South Carolina,U.S.A.	33.2414N	79.2780W	8	From 2013-02-23
Georgetown, St. Vincent	SVGT	St Vincent	13.2804N	61.1194W	18	From 2021-01-09
Georgiana Molloy Anglican School, Busselton	AUBUS	West Australia,Australia	33.6600S	115.3800E	13	From 2012-09-26
Georgistollen Pitten	PTNA	Austria	47.7155N	16.1925E	336	From 2022-12-02
GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	GERES	Queen Maud Land	70.7011S	8.3029W	57	From 2009-07-01
Geoscope - G, TAM	TAM2	Algeria	22.7910N	5.5270E	1377	
Geostar deep sea observatory	GEOST	Gulf of Cadiz	36.3646N	9.4814W	-3207	
Geotermica Polaris Volcan Telica	PLRN	Leon,Nicaragua	12.5840N	86.7683W	230	From 2001-01-01
Gera	GERA	Thuringen	50.9820N	12.0715E	281	From 2022-08-18
Gerace - Le Bombarde	CSGE1	Italy	38.2705N	16.2205E	480	From 2021-01-01
Geraldton	GTO	Ontario,Canada	49.7450N	86.9617W	350	
Geraldton	GTOO	Ontario	49.7451N	86.9613W	359	From 2017-06-11
Gerania	S018	Greece	38.0150N	23.2240E	548	
Gerania Oros	MGER	Greece	37.9860N	23.2602E	600	
Gerede-Bolu	GRDE	Turkey	40.7995N	32.2116E	1350	From 2012-11-12
GERESS Array Beam Reference Point	GERES	Bayern,Germany	48.8451N	13.7016E	1137	
GERESS Array Site A0	GEA0	Bayern,Germany	48.8368N	13.7019E	1027	
GERESS Array Site A1	GEA1	Bayern,Germany	48.8363N	13.7039E	1009	
GERESS Array Site A2	GEA2	Bayern,Germany	48.8386N	13.7018E	1059	
GERESS Array Site A3	GEA3	Bayern,Germany	48.8350N	13.7000E	1017	
GERESS Array Site B1	GEB1	Bayern,Germany	48.8389N	13.7075E	1015	
GERESS Array Site B2	GEB2	Bayern,Germany	48.8395N	13.6986E	1092	
GERESS Array Site B3	GEB3	Bayern,Germany	48.8369N	13.6960E	1058	
GERESS Array Site B4	GEB4	Bayern,Germany	48.8327N	13.6989E	1006	
GERESS Array Site B5	GEB5	Bayern,Germany	48.8346N	13.7059E	976	
GERESS Array Site C1	GEC1	Bayern,Germany	48.8412N	13.7099E	1027	
GERESS Array Site C2	GEC2	Bayern,Germany	48.8451N	13.7016E	1137	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
GERESS ARRAY SITE C2A	GEC2A	Bayern,Germany	48.8451N	13.7016E	1127	From 2008-08-12
GERESS ARRAY SITE C2B	GEC2B	Bayern,Germany	48.8451N	13.7016E	1127	From 2008-08-12
GERESS Array Site C3	GEC3	Bayern,Germany	48.8424N	13.6917E	1075	
GERESS Array Site C4	GEC4	Bayern,Germany	48.8352N	13.6875E	1103	
GERESS Array Site C5	GEC5	Bayern,Germany	48.8296N	13.6957E	1009	
GERESS Array Site C6	GEC6	Bayern,Germany	48.8268N	13.7091E	942	
GERESS Array Site C7	GEC7	Bayern,Germany	48.8354N	13.7145E	986	
GERESS Array Site D1	GED1	Bayern,Germany	48.8518N	13.7148E	1060	
GERESS Array Site D2	GED2	Bayern,Germany	48.8532N	13.6964E	999	
GERESS Array Site D3	GED3	Bayern,Germany	48.8465N	13.6818E	949	
GERESS Array Site D4	GED4	Bayern,Germany	48.8386N	13.6796E	1039	
GERESS Array Site D5	GED5	Bayern,Germany	48.8246N	13.6807E	1085	
GERESS Array Site D6	GED6	Bayern,Germany	48.8194N	13.6966E	1083	
GERESS Array Site D7	GED7	Bayern,Germany	48.8209N	13.7159E	959	
GERESS Array Site D8	GED8	Bayern,Germany	48.8332N	13.7261E	938	
GERESS Array Site D9	GED9	Bayern,Germany	48.8434N	13.7238E	987	From 1992-01-01
Gerfalco	GRFL	Italy	43.1475N	10.9764E	770	
Gerlach	N07A	Nevada,U.S.A.	40.7721N	118.9716W	1305	From 2006-02-21 to 2006-04-27
Gerlach	N07B	Nevada,U.S.A.	40.7797N	118.9711W	1302	From 2006-04-27 to 2008-03-18
Germantown	GERM	New York,U.S.A.	42.1570N	73.8113W	88	
Germi	GRMI	Iran	38.8081N	47.8938E	1300	From 2004-08-01
Geronimo	Z18A	Arizona,U.S.A.	33.0851N	110.0362W	812	From 2007-03-09 to 2009-01-18
Geroplatanos, N002	N002M	Greece	39.5405N	20.3584E	109	
GE Springer Mine, Mill City	N08A	Nevada,U.S.A.	40.7811N	118.1337W	1492	From 2006-02-15 to 2008-03-20
Gesves	BGES	Belgium	50.3845N	5.0869E	295	From 1997-11-15
Geumnam	GMNA0	Republic of Korea	34.9832N	127.8946E	123	From 2018-03-09
Geumpang, Aceh	GESM	Indonesia	4.8421N	96.1278E	1034	From 2019-01-01
Geumpang, Aceh	GPSM	Indonesia	4.8693N	96.0904E	417	From 2019-01-01
Geumsan	KSMSA	Republic of Korea	36.1058N	127.4815E	210	From 2011-10-05
Gevas	GEVA	Turkey	38.3122N	43.0586E	1672	From 2008-10-31
Gevers	GAUS	Turkmenistan	37.9320N	58.9100E	148	
GEYIKLI-TUNCELI	SINE	Turkey	39.1636N	39.3871E	1210	From 2023-06-15
Geyser Peak	GGPM	California,U.S.A.	38.7647N	122.8440W	1054	From 1975-04-18
Geysers	GDXM	California,U.S.A.	38.8078N	122.7947W	910	
Gezan	GEZAN	Tajikistan	39.2822N	67.7161E	1530	From 2008-10-28
Gezan	GEZ	Tajikistan	39.4000N	67.7000E		
Gzier-et-Fontenelay	GZIER	France	47.3621N	5.9013E	292	From 2018-07-09 to 2020-01-01
Ghadhada	GDD	Gujarat,India	23.8700N	70.3700E	-48	From 2012-01-01
Ghaleghazi	IGHG	Iran	34.3294N	46.5685E	2090	From 2004-01-01
Ghaloghah	IGLO	Iran	36.5024N	53.8302E	1963	From 2000-08-01
Ghamsar	QAM	Iran	33.7606N	51.4397E	1864	From 1985-01-01
Ghanteswor	GHAN	Nepal	29.1800N	80.6300E	2450	From 1995-01-01
Ghanzi	GRTLG	Botswana	21.3618S	21.2157E	1198	
Ghardimaou	GHAT	Tunisia	36.4958N	8.3048E	400	
Gharebagh	GHB	Iran	29.3790N	52.5372E	2812	
Gharib	GRB	Egypt	28.2705N	32.7859E	460	
Gharm	GHARM	Tajikistan	39.0064N	70.3167E	1302	From 2005-11-01
Gharneh	IGAR	Iran	32.4038N	52.0418E	2020	From 2005-04-06
Gharyan	GHAR	Libya	32.1220N	13.0863E	709	
GHASH	GHASH	Saudi Arabia	22.7175N	40.2299E	1211	
Ghasr-e-Shirin	KGS1	Iran	34.5059N	45.5888E	361	From 2017-11-16
Ghazvin	IGZV	Iran	36.3859N	50.2184E	2100	From 1996-01-01
Ghdames	LGHD	Libya	30.0167N	9.4422E	600	
Ghir-Karzin	GHIR	Iran	28.2855N	52.9867E	1200	From 2004-05-11
GHMGH	GHMGH	Saudi Arabia	20.5846N	40.5015E	100	
GHOM	GHVR	Iran	34.4800N	51.2950E	924	From 2007-05-01
Ghor Haditha	GHAJ	Jordan	31.3034N	35.5665E	-61	From 2012-05-08
Ghorjomi	GHRG	Georgia	41.7348N	42.3410E	1966	From 2016-10-05
Ghuzeima	GHZJ	Jordan	30.5300N	36.3250E	1048	From 1990-01-12
Gialia	POL3C	Cyprus	35.1023N	32.5023E	15	From 2020-09-01
Gialos, Santorini	SNT1	Greece	36.4159N	25.4282E	12	From 2011-07-07
Giannitsa	GIA1	Greece	40.7963N	22.4155E	120	From 2008-09-30
Giannouli	GINA	Greece	39.6689N	22.3892E	74	
Giano nell'Umbria	GNU	Italy	42.8038N	12.5702E	1085	From 2009-10-07
Giardini Botanici Hanbury, Ventimiglia (IM), Italy	BURY	Italy	43.7825N	7.5568E	20	From 2015-04-20
Giardini Naxos (ME)	FX09	Italy	37.8203N	15.2664E	23	From 2021-12-22 to 2023-02-02
Gibalbin	GIBL	Spain	36.8301N	5.9674W	374	
Gibilmanna	GIB	Sicily,Italy	37.9894N	14.0267E	1000	
Gibon Southern Titans, Haubstabt	R46A	Indiana,U.S.A.	38.2124N	87.5114W	164	From 2011-11-14
Gidamilanda	GIDA	Tanzania,United Republic of Tanzania	3.7368S	35.0643E	1047	
Gifford Fjord, Baffin Island, Nunavut	GIFN	Northwest Territories,Canada	69.9945N	81.6380W	92	From 2005-08-19
Gifft Hill School	SJVI	US Virgin Islands	18.3315N	64.7718W	148	From 2015-12-18
Gifu	GIF	Gifu,Japan	35.3983N	136.7650E	13	
Gigye	GIGA	Republic of Korea	36.0689N	129.1995E	59	From 2018-03-09
Gilahina Butte	GLB	Alaska,U.S.A.	61.4418N	143.8100W	845	From 1973-08-25
GILAN DEYLAMAN	GIDE	Iran	36.9230N	49.9102E	1831	From 2016-05-23
Gilan-e-Gharb (Kermanshah, Iran)	GLG1	Iran	34.1136N	45.9096E	949	From 2018-05-07
Gila River Indian Community, Laveen	Z15A	Arizona,U.S.A.	33.2893N	112.1581W	318	From 2007-04-14 to 2008-12-05
Gilbert	GBT	Nevada,U.S.A.	38.1630N	117.6840W	2137	
Gilbert Hill	GHI	Idaho,U.S.A.	46.4702N	116.3190W	920	From 1971-10-01 to 1976-01-14
Gilboa	GILB	New York,U.S.A.	42.4230N	74.4527W	335	
Gildeskaal	GILDE	Norway	66.9293N	14.1897E	400	From 2019-11-01
Gilead	W57A	North Carolina,U.S.A.	35.1529N	79.9928W	85	From 2013-03-08
Gileppe	GIP	Belgium	50.5922N	5.9742E		
Giles	GLS	Western Australia,Australia	25.0353S	128.2960E	600	From 1974-10-01 to 1978-04-11
Gilgit	GLGT	Pakistan	35.9000N	74.3000E	1478	From 2010-06-30
Gilhagi	IGIL	Iceland	66.0770N	16.3510W	134	From 1993-10-23
Gilleleje	GID	Denmark	56.1270N	12.1788E	10	
Gillett	EF53	Texas	29.0551N	97.8044W	98	From 2018-12-20
Gillis	GILR	Nevada,U.S.A.	38.7313N	118.5347W	1676	
Gill Ranch, Sloughhouse, USA	GIRA	California	38.4302N	121.1095W	65	From 2021-02-01
Gilmore City	K36A	Iowa,U.S.A.	42.6381N	94.4507W	364	From 2010-10-12 to 2012-10-23
Gilmore Creek	GIL	Alaska,U.S.A.	64.9750N	147.4950W	350	
Gilmore Dome	GLM	Alaska,U.S.A.	64.9873N	147.3890W	820	From 1968-08-01
Gilmore Dome	GLN	Alaska,U.S.A.	64.9873N	147.3890W	820	From 1968-08-01
Gilroy Hot Springs	GHS	California,U.S.A.	37.0958N	121.4470W	778	From 1971-09-03
Gilroy Springs	HGSM	California,U.S.A.	37.0958N	121.4470W	778	From 1971-09-03
Gilroy West	HGWM	California,U.S.A.	37.0170N	121.6530W	131	From 1975-10-02
Gimchen	KSGIC	Republic of Korea	36.0799N	128.1024E	123	From 2007-12-12 to 2019-03-18
Gimhwa	GMHB	Republic of Korea	38.2500N	127.4209E	151	From 2018-03-09
Gimigliano	GIMI	Italy	38.9678N	16.5375E	400	From 2018-02-16
Gimpo	GMPB	Republic of Korea	37.6421N	126.6756E	-60	From 2018-03-09
Ginetes	SET2	Azores,Portugal	37.8435N	25.8066W	525	From 1998-09-01
Gingin	GNGN	Western Australia	31.3580S	115.7145E	101	From 2021-07-02
Giniginamar, Fuerteventura	CGIN	Canary Islands	28.2054N	14.0823W	116	From 2014-10-27
Ginora - Universitat	CGIR	Spain	41.9860N	2.8278E	102	From 2010-02-23
GIOIA SANNITICA	GSN	Italy	41.3072N	14.4461E	288	From 2010-01-26
Gioiosa Marea	ME15	Italy	38.1708N	14.8988E	116	From 2008-05-13 to 2010-01-31
Gippayama	GPY	Nagano,Japan	36.3944N	138.5000E	2033	
Giralia	GIRL	Western Australia,Australia	22.6430S	114.2340E	111	From 1995-09-04
Girard	L53A	Pennsylvania,U.S.A.	41.9539N	80.2598W	355	From 2013-01-16
Girardeau Bridge	CBMO	Missouri,U.S.A.	37.3036N	89.5236W	102	
Girdled Road	CGRR	Ohio,U.S.A.	41.6787N	81.1418W	334	
Giresun/Alucra	ALUC	Turkey	40.3442N	38.7698E	1574	From 2014-12-09
GIRESUNGRSN	GRSN	Turkey	40.9244N	38.2681E	536	From 2005-08-09
Girifalco	GRI	Italy	38.8221N	16.4200E	510	
Girl Scout Camp	GSCY	New York,U.S.A.	41.2661N	74.0039W	110	
Girona - Santa Caterina	CGIS	Spain	41.9809N	2.8216E	70	From 2011-02-21
Giron, Santander	GIRC	Colombia	7.0788N	73.1935W	1164	From 2010-06-05
Girov	GIRR	Romania	46.9551N	26.5008E	334	From 2010-08-18
Gisborne	GNZ	North Island,New Zealand	38.6424S	178.0227E	30	From 1963-07-01 to 1990-03-07
Gisborne 2ZG	GISS	North Island,New Zealand	38.6665S	178.0227E	8	From 1999-08-18
Gisborne Hospital Hill	GHHS	North Island,New Zealand	38.6418S	178.0177E	62	From 2011-09-07
Gisborne Waipaoa Water Treatment Plant	GWTS	North Island,New Zealand	38.6257S	177.9216E	13	From 2002-04-17
Gissar	GIS	Tajikistan	38.4667N	68.5667E		
Giuliano Di Roma	GIUL	Italy	41.5583N	13.2546E	566	From 2002-06-12
Giurgeni	RO27A	Romania	46.8187N	27.1065E	196	From 2022-08-12
Giurgiu	GRG3	Romania	43.8944N	25.9571E	22	From 2015-08-21
Giurgiulesti	GIUM	Moldova	45.4850N	28.2081E	106	From 2007-07-27

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Giv'at Ha'Em	GEM	Israel	33.2106N	35.6632E	218	From 2013-03-01
Giv`at Hamore	GVMR	Israel	32.6200N	35.3700E	90	From 1991-12-01
Givet	GIVF	Nord-Pas-de-Calais,France	50.1022N	4.8233E	295	From 1996-04-03
Gizeux - Indre-et-Loire - Centre-Val de Loire - France	GIZF	Centre	47.4076N	0.1978E	59	From 2019-08-29
Gizo	GIZ	Solomon Islands,Papua New Guinea	8.0986S	156.8420E	20	
Gizzeria	GIZZ	Italia	38.9796N	16.2077E	718	From 2020-02-13
Gjilan	GJIK	Kosovo	42.4616N	21.4359E	630	From 2008-07-06
Glaciar	GLCR	Patagonia	42.7844S	72.5102W	842	From 2010-01-01
Glacier Island	GLC	Alaska,U.S.A.	60.8907N	147.0720W	3	From 1972-07-24 to 1984-09-17
Glacier Island	GLI	Alaska,U.S.A.	60.8792N	147.0959W	430	From 1984-09-18
Glacier Lake	GLK	Washington,U.S.A.	46.5639N	121.6090W	1320	
Glacier Peak	GC-WA	Washington,U.S.A.	48.1622N	121.2822W	671	From 1962-11-08 to 1962-12-12
Glacier Peak	GC-	Washington,U.S.A.	48.1622N	121.2822W	671	From 1962-11-08 to 1962-12-12
Glacier Peak	GPW	Washington,U.S.A.	48.1179N	121.1379W	2354	
Glacier Shelter	GSZ	North Island,New Zealand	39.2702S	175.5619E	2600	From 1976-06-01 to 1984-03-22
Glacier View	M23K	Alaska,U.S.A.	61.7929N	147.7262W	583	From 2016-04-12
Gladkovskiy	GLDR	Krasnodarskiy Kray	44.9830N	37.7210E	230	From 2018-10-07
Gladstone	GLAD	Tasmania,Australia	40.9844S	148.0086E	146	From 1996-01-01
Gladstone Plant	GLADS	Queensland,Australia	23.8697S	151.2681E	117	
Gladstone Soft Rock	GD1S	Queensland,Australia	23.8421S	151.1690E	27	From 2011-10-10
Gladstone Stream	GSP	South Island,New Zealand	44.1320S	170.0181E	840	From 1975-04-01 to 1978-04-09
Gladwin	I47A	Michigan,U.S.A.	44.0193N	84.5096W	269	From 2012-11-06
Glafira	VGL	Greece	39.4456N	22.8842E	424	From 1982-10-01
Glaisdale, N Yorkshire Moors	GDLE	England,United Kingdom	54.4218N	0.8157W	228	From 2012-01-26
Glamis	GLA	California,U.S.A.	33.0515N	114.8271W	610	From 1966-12-19
Glarus, Kantonsspital, GL	SGLK	Switzerland	47.0450N	9.0661E	480	From 2017-07-20
Glashaus Lp Emeryville	C033	California,U.S.A.	37.8467N	122.2895W	2	From 2009-12-09
Glashutten	GHA	Austria	47.4625N	16.3881E	500	
Glass	GLAT	Tennessee,U.S.A.	36.2694N	89.2876W	120	
Glass	GLST	Missouri,U.S.A.	36.2691N	89.2877W	122	
Glass Buttes, Lake County, Oregon	GBLCO	U.S.A.	43.5100N	120.2479W	1498	From 2023-11-01
Glebe high school	OTGH	Ontario,Canada	45.4014N	75.6969W	74	From 2001-12-18
Gleen Almond Test #1	GAX1	Quebec	45.7033N	75.4783W	0	From 2015-08-14
Gleen Almond Test #2	GAX2	Quebec	45.7024N	75.4774W	0	From 2015-08-14
Glehn	BA17	Nordrhein-Westfalen,Germany	51.2516N	6.3657E	65	From 2006-10-01
Glen Almond	GAC	Quebec,Canada	45.7033N	75.4783W	62	From 1979-10-26
Glen Avon	GAV	California,U.S.A.	34.0225N	117.5049W	262	From 1976-01-01
Glenbawn Bedrock	GBBM	New South Wales,Australia	32.0925S	150.9725E	275	
Glenbawn Dam	GBAM	New South Wales,Australia	32.1114S	150.9993E	293	
Glen Canyon	GCA	Arizona,U.S.A.	36.9736N	111.5931W	1339	From 1960-08-01 to 1999-08-25
Glen Canyon Dam (NPS), Page	T16A	Arizona,U.S.A.	36.9839N	111.5060W	1177	From 2007-03-17 to 2008-11-19
Glen Cove	GCY	New York,U.S.A.	40.8583N	73.6300W	43	From 1965-02-01
Glendale	K02A	Oregon,U.S.A.	42.7667N	123.4898W	963	From 2006-05-26 to 2007-11-28
Glendive	GI-	Montana,U.S.A.	47.1928N	104.2194W	732	From 1963-07-17 to 1964-08-05
Glendive	GI-MA	Montana,U.S.A.	47.1928N	104.2194W	732	From 1963-07-17 to 1964-08-05
Glendive	D24A	Montana,U.S.A.	47.1152N	104.3270W	766	From 2008-09-19 to 2010-08-03
Glendoe	GVIE	Scotland	57.1010N	4.5600W	663	From 2008-05-22
Glenfield	GFW	South Island,New Zealand	41.4550S	173.8307E	230	From 1991-11-26 to 2004-05-16
Glengowla, Co Galway	IGLA	Ireland	53.4195N	9.3750W	30	
Glenifferbraes	PGBU	Scotland,United Kingdom	55.8115N	4.4837W	199	From 1990-01-01 to 1991-01-01
Glenmaggie	GLMM	Victoria,Australia	37.9020S	146.7990E	160	
Glenmawr Avenue, El Cerrito	C012	California,U.S.A.	37.9264N	122.3125W	36	From 2009-05-28
Glenmuick	GLE	South Island,New Zealand	42.8983S	173.0951E	74	From 1932-01-01 to 1936-12-31
Glennies Creek Dam	GLNM	New South Wales,Australia	32.3662S	151.2464E	160	
Glennville	256A	Georgia,U.S.A.	31.9799N	81.8878W	46	From 2012-03-16
Glenorchy	GLNY	South Island,New Zealand	44.8644S	168.4065E	342	From 2015-10-22
Glenroy	BGRQ	Queensland,Australia	20.5492S	147.1050E	160	From 1981-02-16
Glenside	GLEN	South Australia,Australia	34.9435S	138.6310E	70	From 2001-08-02
Glenview	GGLM	California,U.S.A.	38.8967N	122.7760W	893	From 1975-04-18
Glhisar (BURDUR)	GLHS	Turkey	37.1560N	29.4983E	1100	From 2005-04-08
Globe	GE-	Arizona,U.S.A.	33.7756N	110.5281W	1475	From 1964-04-09 to 1965-10-04
Globe	GE-AZ	Arizona,U.S.A.	33.7756N	110.5281W	1475	From 1964-04-09 to 1965-10-04
Glomfjord Brehus	NBB17	Norway	66.8161N	13.9581E	153	From 2013-08-01 to 2016-06-01
Gloria, Oriental Mindoro	GOMP	Philippines	12.9411N	121.4082E	51	
Glory Hole Creek	GHO	Alaska,U.S.A.	61.7722N	148.9240W	1021	From 1984-09-11
Gloucester	GLO	Massachusetts,U.S.A.	42.6403N	70.7272W	15	From 1975-08-01
Gloversville	GLOV	New York,U.S.A.	43.0895N	74.3320W	292	
Glow Worm Lake	GLWN	Northwest Territories,Canada	64.7253N	109.3304W	449	
Glumsstadir	IGLU	Iceland	64.9806N	15.0854W	115	From 2005-11-01
Gnd/Air Tx Cntr	GATR	California,U.S.A.	34.5527N	120.5024W	590	
Gnome	GN-NM	New Mexico,U.S.A.	32.2625N	103.8569W	1036	From 1962-01-08 to 1962-02-15
Gnome	GN-	New Mexico,U.S.A.	32.2625N	103.8569W	1036	From 1962-01-08 to 1962-02-15
Gnosjoe	GNOU	Sweden	57.2909N	13.7561E	280	From 2006-10-09
Gnowangerup	GNOW	Western Australia,Australia	33.8728S	118.1999E	320	From 2008-01-28 to 2019-09-01
Gnowangerup Cupla Days	GNOC	Western Australia	33.8560S	118.1745E	260	From 2015-01-01
Gnowangerup Town	GNOT	Western Australia	33.9370S	118.0710E	260	From 2016-01-01
Goa	GOA	Goa, Daman and Diu,India	15.4917N	73.8247E	58	From 1964-06-06
Goat Mountain	GT2	Oregon,U.S.A.	45.1556N	122.2710W	823	From 1985-09-01
Goat Mountain	GOAT	Alaska,U.S.A.	60.5810N	144.7271W	897	
Goat Mountain	VGTM	Oregon,U.S.A.	45.1498N	122.2650W	993	
Goat Mountain	GTM	California,U.S.A.	34.2946N	116.3560W	836	
Gobabis	GOBN	Namibia	22.4300S	18.9000E	1438	
Gobbelet	GOBY	New York,U.S.A.	41.3294N	73.9219W	150	
Gobu	GOBA	Azerbaijan	40.4010N	49.7330E	183	From 2003-08-01
Gobu, Azerbaijan	MV03	Azerbaijan	40.3598N	49.7486E	24	From 2021-02-21
Gochang-gun	GOCB	Republic of Korea	35.3484N	126.5982E	-14	From 2012-11-16
Goddelau	GODD	Hessen	49.8251N	8.5169E	90	From 2012-08-01
Godfrey	GOGA	Georgia,U.S.A.	33.4112N	83.4666W	116	From 1993-03-09
Godhavn	GDH	Greenland	69.2500N	53.5333W	23	
Godley Drive	GODS	South Island,New Zealand	43.5784S	172.7693E	155	From 2011-02-26
Goeppingen, Maitis	A106B	Germany	48.7534N	9.7219E	468	From 2016-06-30
Goeppingen, Maitis	A106A	Germany	48.7533N	9.7218E	471	From 2015-11-13 to 2016-06-30
Gofitskoye	GOF	Stavropol'skiy Kray,Russia	45.0580N	43.0430E	293	From 1994-03-19 to 2016-07-20
Gofitskoye	GOFR	Stavropol'skiy Kray	45.0838N	43.0485E	229	From 2017-03-17
Gogaran	GOGS	Armenia	40.9017N	44.1950E	1935	
Goheung	KSKOH	Republic of Korea	34.6090N	127.2733E	53	From 2000-02-10
Gokceada-Canakkale	GOKC	Turkey	40.1997N	25.9183E	118	From 2011-03-28
Gkeada, anakkale	GOAD	Turkey	40.1616N	25.9097E	245	From 2017-12-18
Golan Heights South - Mevo Hama	GOLA	Israel	32.7134N	35.6496E	356	From 2018-06-04
Golan-Tel Qazir	GLH	Israel	32.7140N	35.6500E	330	From 1986-06-26
Goldborn	GOLB	Niedersachsen	52.9220N	9.4255E	31	From 2008-04-04
Gold Coast 1 Soft	GC1S	Queensland,Australia	28.1617S	153.5115E	11	From 2009-01-01
Gold Coast 2 Fill	GC2F	Queensland,Australia	27.9122S	153.3958E	12	From 2009-01-01
Gold Coast Softrock	GC2	Queensland,Australia	28.1364S	153.4539E	60	
Gold Cst Hrdrock	GC1	Queensland,Australia	27.9487S	153.3618E	60	
Golden	GOL	Colorado,U.S.A.	39.7003N	105.3711W	2359	From 1961-12-21 to 1999-08-25
Golden	GNM	New Mexico,U.S.A.	35.2496N	106.1930W	2417	From 1976-01-01
Golden	GLD	Colorado,U.S.A.	39.7493N	105.2201W	1762	From 1974-01-01
Goldendale	F06A	Washington,U.S.A.	45.7664N	120.7817W	577	From 2006-08-26 to 2008-03-28
Golden Eagle	Q42A	Illinois,U.S.A.	38.9120N	90.5331W	175	From 2011-05-07
Golden Eagle Way Pleasanton	C025	California,U.S.A.	37.6437N	121.9005W	97	From 2009-09-16 to 2013-04-02
Golden State Vinters, Fresno, CA USA	WINE	California	36.6654N	119.9393W	71	From 2018-01-01
Goldfield	GF-NV	Nevada,U.S.A.	37.9175N	117.2017W	1707	From 1963-02-08 to 1963-03-29
Goldfield	GF-	Nevada,U.S.A.	37.9175N	117.2017W	1707	From 1963-02-08 to 1963-03-29
Goldfield	S09A	Nevada,U.S.A.	37.7243N	117.2246W	1767	From 2006-04-12 to 2008-03-24
Gold Hill	PGHM	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold Hill	GHIB	California,U.S.A.	35.8323N	120.3473W	330	
Gold Hill	PK1	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold Hill	GHC	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold King Creek	GKC	Alaska,U.S.A.	64.1787N	147.9350W	490	From 1976-07-01
Gold Mountain	GMW	Washington,U.S.A.	47.5479N	122.7860W	506	From 1970-02-27
Gold Mountain	GMN	Nevada,U.S.A.	37.3004N	117.2598W	2169	From 1979-07-13
Gold River	GDR	British Columbia,Canada	49.7810N	126.0320W	100	From 1978-08-04
Gold Rush Inn	AGIM	California,U.S.A.	38.8447N	120.9810W	305	From 1976-01-28
Goldstone, Barstow	GSC	California,U.S.A.	35.3018N	116.8057W	1000	From 1961-11-07
Goldstream Park	GSTB	British Columbia,Canada	51.6600N	118.6850W	1340	
Goldstream Valley	GSVT	Alaska,U.S.A.	63.3372N	142.9821W	497	From 2003-04-01 to 2013-08-25
Goldstream Valley	GSV	Alaska,U.S.A.	64.9216N	147.9370W	302	From 1999-01-01 to 2013-08-25
Gle, Ardahan	GOLE	Turkey	40.8363N	42.5975E	2031	From 2017-12-12

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Golfito	FITO	Costa Rica,Costa Rica	8.6250N	83.1540W	21	
Golfito	EDAD	Costa Rica,Costa Rica	8.6520N	83.1658W	497	
Golfpark Waldkirch, SG	SGT18	Switzerland	47.4672N	9.2442E	570	From 2018-06-21
Golhisar	GOLH	Turkey	37.2369N	29.5611E	1090	From 2005-03-25
Golise	GOLS	Slovenia	46.0108N	15.6245E	559	
Golmarmara-Manisa	GOMA	Turkey	38.7076N	27.9173E	115	From 2012-09-04
Golondrinas	GOLV	Ecuador	0.2082N	79.1370W	404	From 2008-07-25
Golovnino	GLVR	Sakhalinskaya Oblast',Russia	43.7386N	145.5193E	10	From 2011-09-20
Golpazari	GPA	Turkey	40.2889N	30.3094E	560	From 1970-07-01
Golpazari	GLP	Turkey	40.2889N	30.3094E	560	From 1970-07-01
Goma	GOM	Democratic Republic of the Congo	1.6812S	29.2267E	1470	
Gomez Farias	GTIG	Tamaulipas	23.0669N	99.1691W	363	From 2014-05-19
Gonabad	GNKF	Iran	34.5000N	58.4000E	0	
Gonen	GET	Turkey	40.1083N	27.5667E	590	From 1978-09-01 to 1984-03-31
Gnen	ATIT	Turkey,Turkey	40.0830N	27.5633E	230	
Gonen-Balikesir	GONE	Turkey	40.0466N	27.6860E	142	From 2008-06-27
Gongen	GON	Kagoshima,Japan	31.5825N	130.6858E	270	
Gongju	KSKOJ	Republic of Korea	36.4706N	127.1446E	100	From 2006-12-30
Gongju-si	KOJ2	Republic of Korea	36.4708N	127.1447E	92	From 2011-12-19
Gonnosfanadiga (VS)	SU14	Sardinia	39.4445N	8.6528E	955	From 2015-01-07 to 2015-09-04
Gonzaga	SGCP	Luzon,Philippines	18.2419N	122.0458E	210	
Gonzaga (MN)	T0825	Italy	44.9730N	10.8469E	6	From 2012-05-29 to 2012-08-09
Gonzales	EF63	Texas	29.5756N	97.4637W	121	From 2018-12-17
Gonzales	VGZ	British Columbia,Canada	48.4139N	123.3240W	68	From 1982-03-23
Gonzanam	GONZ	Ecuador	4.2370S	79.3946W	3128	From 2012-08-23
Goochland	GHV	Virginia,U.S.A.	37.7942N	78.1073W	107	From 1978-10-10
Good Intent, Atchison	P36A	Kansas,U.S.A.	39.6204N	95.2060W	313	From 2010-05-28 to 2012-03-14
Goodland	D36A	Minnesota,U.S.A.	47.1765N	93.1645W	434	From 2010-08-28 to 2012-08-09
Goodnow Flow	GNF	New York,U.S.A.	43.9152N	74.2302W		From 1983-10-01
Goodrich Way Fremont	C034	California,U.S.A.	37.5728N	121.9633W	15	From 2010-03-15
Goodsprings	V11A	Nevada,U.S.A.	35.8384N	115.4305W	1117	From 2006-06-16 to 2008-10-14
Goomalling	GOO	Western Australia	31.3940S	116.8520E	300	
Goonhilly	CGH1	England,United Kingdom	50.0507N	5.1649W	97	From 1981-01-01
Gopapur,Odisha	GPUR	Orissa	20.4117N	85.2935E	64	From 2015-12-12
GO Pecny, Ondrejov, Czech Republic	GOPC	Czech Republic	49.9140N	14.7870E	484	From 2009-06-01
Gorafe	GORA	Spain	37.4793N	3.0417W	868	
Gorakhpur	GKPR	India	26.7381N	83.4386E	63	From 2018-01-19
Gordes-Manisa	GORD	Turkey	38.9088N	28.1769E	744	From 2018-05-03
Gordon	GO-NB	Nebraska,U.S.A.	42.6328N	102.2739W	1097	From 1962-12-28 to 1963-03-21
Gordon	GO-	Nebraska,U.S.A.	42.6328N	102.2739W	1097	From 1962-12-28 to 1963-03-21
Gordon Butte	VGBM	Oregon,U.S.A.	45.5157N	120.7780W	729	
Gordon Butte	VGB	Oregon,U.S.A.	45.5157N	120.7780W	729	
Gordon, Harris	R36A	Kansas,U.S.A.	38.3237N	95.5040W	354	From 2010-03-28 to 2012-03-10
GORE	GORE	Germany	52.9887N	11.3058E	-218	
Gore District Council	GODC	South Island,New Zealand	46.1027S	168.9417E	85	From 2005-04-18
Gorelyy	GRL	Kamchatskaya Oblast',Russia	52.5519N	158.0733E	1250	
Gorenja Brezovica	GBAS	Slovenia	45.9348N	14.4423E	538	
Gorgoglione (MT)	TT08	Italy	40.3491N	16.1822E	510	From 2015-01-21 to 2016-02-24
Gorgona, Isla Gorgona	GR1C	Colombia	3.0027N	78.1668W	39	From 2013-12-05
Gori	GOR	Georgia,Georgia	41.9855N	44.1088E	648	From 1932-01-01
Goris	GRS	Armenia	39.5000N	46.3333E	1399	From 1951-01-01
Gorizia	FGRZ	Italy	45.9400N	13.6200E	59	From 2010-07-28
Gorje	GRJ	Slovenia	46.3833N	14.0833E	600	
Gorjuse	GORS	Slovenia	46.3170N	13.9950E	1086	From 2004-07-01
Gorka Klasztorna	GKP	Poland	53.2697N	17.2367E	115	From 2004-05-28
Gorkha	GKN	Nepal	28.0030N	84.6370E	1478	From 1983-07-01
Gornja Briga	GBRS	Slovenia	45.5311N	14.8101E	610	From 2007-04-05
Gornji Cirnik	GCIS	Slovenia	45.8672N	15.6275E	320	From 2003-08-11
Gorno-Altaysk, Altai Republic, Russia	GALT	Altayskiy Kray,Russia	51.9590N	85.9460E	303	From 2012-08-27
Gornotaezhnoe	GRTS	Primorskiy Kray,Russia	43.7000N	132.1500E	220	From 1990-07-01
Gornotajezhnoje	GRTR	Primorskiy Kray,Russia	43.7073N	132.1565E	263	From 2006-07-24
Gornovodnoe	GRVS	Primorskiy Kray,Russia	43.7000N	134.7330E	270	From 1988-07-01
Gornoye	GRYR	Krasnodarskiy Kray	44.1165N	41.0936E	740	From 2017-11-12
Gornyy	GOY	Sakhalinskaya Oblast',Russia	44.9167N	147.5670E		
Gornyy	GRNR	Khabarovskiy Kray,Russia	50.7690N	136.4220E	450	
Goroka	GRK	Papua New Guinea	6.0756S	145.3950E	1579	From 1968-01-25 to 1970-03-12
Goroka	GRK1	Papua New Guinea	6.0700S	145.3940E	1695	
Goroka	GKA	Papua New Guinea	6.0583S	145.3920E	1634	From 1970-03-01 to 1972-11-22
Gorontalo	GTOI	Moluccas,Indonesia	0.6358N	123.0105E	0	From 2005-01-01
Gorreto	GORR	Italy	44.6070N	9.2930E	621	From 2012-03-15
Gorron	GRR	Pays de la Loire,France	48.3883N	0.8583W	220	
Gortina	GOR1	Crete,Greece	35.0582N	24.9628E	161	From 2012-09-01
Goryachinsk	GORB	Buryatiya	52.9860N	108.2850E	480	From 2011-07-24
Gosan	KSGOS	Republic of Korea	33.2938N	126.1628E	71	From 2002-10-29
Gosang-Q330s	GOS2	Republic of Korea	33.3002N	126.2061E	100	From 2015-10-01
Gosan-ri	GOS1	Republic of Korea	33.3003N	126.2100E	84	From 2011-12-01
Goseong	KOSB	Republic of Korea	38.6028N	128.3596E	62	From 2018-03-09
Gosnell	GNAR	Missouri,U.S.A.	35.9652N	90.0178W	71	
Gosnell High Sch.	GSAR	Missouri,U.S.A.	35.9618N	89.9694W	0	
Goteborg	NE01	Sweden	57.8010N	12.1320E	55	From 1983-02-01 to 1986-01-31
Goteborg	GOT	Sweden	57.6983N	11.9783E	66	
Gotemba	GTN	Shizuoka,Japan	35.3167N	138.9330E		
Gotland	GOTU	Sweden	57.6855N	18.5700E	50	From 2002-03-05
Gotsu	JGT	Shimane,Japan	35.0287N	132.3343E	50	
Gottingen	GTTG	Germany	51.5451N	9.9647E	279	From 2006-01-18
Gottingen	GTT	Niedersachsen,Germany	51.5464N	9.9642E	272	From 1899-01-01 to 2005-06-17
Gøttrup	GOET	Denmark	57.0350N	9.2250E	5	From 1977-01-01 to 1989-12-31
Gotvand	GTMR	Iran	32.4705N	49.1123E	481	From 2018-05-16
Gould Hall	GOU	Alaska,U.S.A.	61.1892N	149.8000W	71	From 1994-08-01
Goulmima	GOLM	Morocco	31.7040N	4.9520W	1246	
Goumenissa	GOU1	Greece	40.9474N	23.4490E	100	From 2008-09-30
Goura	GUR	Greece	37.9363N	22.3423E	1081	From 2006-04-12
Gourbit	GRBF	Midi-Pyrenees,France	42.8413N	1.5367E	878	From 1989-01-01
Gouttieres - 27292 - Eure - Normandie	GOTF	Basse-Normandie	49.0170N	0.7386E	140	From 2022-11-09
Govalcot	GOV	Maharashtra,India	17.5400N	73.4883E	1	
Government House	GHSS	South Australia,Australia	34.9194S	138.6017E	42	From 2009-01-01
Govi-Altai, Bugat soum	BUGM	Mongolia	45.5471N	94.4373E	2319	From 2018-09-10
GOVORA	RMVG	Romania	45.0364N	24.2843E	260	From 2008-03-13
Gowlland Point	GOWB	British Columbia,Canada	48.7369N	123.1848W	29	
Goynuk	GYN	Turkey	40.3533N	30.7264E	1279	From 1991-01-01 to 1993-09-01
Goytkh	GOYR	Krasnodarskiy Kray	44.2471N	39.3770E	300	From 2015-09-29
Gozaisho	GZS	Mie,Japan	35.0153N	136.4260E	1150	From 1963-10-01 to 1965-12-31
Gozaisho	GOZ	Mie,Japan	35.0153N	136.4260E	1150	From 1963-10-01 to 1965-12-31
Graceland, Paris	P45A	Illinois,U.S.A.	39.5277N	87.7439W	193	From 2011-11-16
Gracelyn & Ava, Whitmire	X55A	South Carolina,U.S.A.	34.4701N	81.6336W	153	From 2013-02-06
Grace West	PGWM	California,U.S.A.	35.1838N	120.6270W	148	
Graciosa	PGRA	Azores,Portugal	39.0293N	27.9813W	245	
GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	IMZ	Azores,Portugal	39.0423N	28.0055W	284	From 2010-11-09
Gradistea de Munte	RO18A	Romania	45.6326N	23.2152E	568	From 2022-11-02
Grady	250A	Alabama,U.S.A.	31.9778N	86.2677W	152	From 2012-01-22
Graechen Ausblick	SGRA	Valais,Switzerland	46.1936N	7.8356E	1591	From 2010-12-21
Graenufjoll	IGFL	Iceland	63.5265N	19.1101W	710	From 2016-10-01
Graesoe	GRAU	Sweden	60.3342N	18.5396E	100	From 2001-12-19
Grafenberg	GRFO	Bayern,Germany	49.6909N	11.2203E	384	From 1978-10-01
Grafenberg	GG-GR	Bayern,Germany	49.6922N	11.2153E	525	From 1965-03-02
Grafenberg Ar.	GG-	Bayern,Germany	49.6922N	11.2153E		From 1965-03-02
Grafenberg Ar.	SB-	Bayern,Germany	49.6919N	11.2217E	500	From 1965-03-02
Grafenberg Array	GRC4	Bayern,Germany	49.0870N	11.5270E	503	
Grafenberg Array	GRA1	Bayern,Germany	49.6919N	11.2217E	500	From 1976-03-01
Grafenberg Array	GRA2	Bayern,Germany	49.6550N	11.3600E	512	From 1976-03-01
Grafenberg Array	GRA3	Bayern,Germany	49.7623N	11.3193E	455	From 1976-03-01
Grafenberg Array	GRA4	Bayern,Germany	49.5655N	11.4359E	503	From 1978-01-01
Grafenberg Array	GRB1	Bayern,Germany	49.3922N	11.6537E	494	From 1978-01-01
Grafenberg Array	GRB2	Bayern,Germany	49.2712N	11.6691E	552	From 1978-01-01
Grafenberg Array	GRB3	Bayern,Germany	49.3439N	11.8065E	517	From 1978-01-01
Grafenberg Array	GRB4	Bayern,Germany	49.4688N	11.5615E	507	From 1978-01-01
Grafenberg Array	GRB5	Bayern,Germany	49.1111N	11.6789E	525	From 1979-01-01
Grafenberg Array	GRC1	Bayern,Germany	48.9960N	11.5220E	512	From 1979-09-01
Grafenberg Array	GRC2	Bayern,Germany	48.8680N	11.3750E	445	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Grafenberg Array	GRC3	Bayern,Germany	48.8904N	11.5851E	438	From 1979-01-01
Grafenberg Array	GRF	Bayern,Germany	49.6919N	11.2217E	500	From 1965-03-02
Grafton	GFN	New York,U.S.A.	42.7928N	73.4153W	518	From 1971-10-01 to 1976-07-28
Grahamstown	GRM	Cape Province,South Africa	33.3133S	26.5083E	610	From 1967-11-03
Grahamstown	GRH	Cape Province,South Africa	33.3100S	26.5750E	558	
Grahamstown, Eastern Cape	GRHM	South Africa	33.2768S	26.3766E	615	From 2016-10-15
Graiana	GRAM	Italy	44.4913N	10.0658E	850	From 1999-04-01
Gramalote, Santander	GRMC	Venezuela	7.7180N	72.8040W	1275	From 2010-07-01
Granada	HR20	Spain	37.1146N	3.0388W	-900	From 2009-07-01 to 2010-12-01
Granada	GRNN	Nicaragua	11.9290N	85.9539W	60	From 2014-06-10 to 2018-03-31
Granada	AIXA	Spain	37.1608N	3.5787W	757	From 2021-10-17
Granada	NADN	Nicaragua	11.7488N	86.0323W	115	
Granada	EXGRA	Spain	37.1929N	3.6052W	702	
Granada	NE14	Spain	37.1900N	3.5950W	774	From 1983-05-01 to 2001-07-28
Granada	EXCAB	Spain	37.1772N	3.5925W	770	From 2015-01-01
Granadilla de Abona, Tenerife	CGRA	Canary Islands	28.1043N	16.5322W	270	From 2017-03-23
Granastaoir	IGRA	Iceland	65.9180N	17.5790W	24	From 1993-10-21
Granatula de Calatrava, Ciudad Real	PSIM	Spain	38.8202N	3.7564W	730	From 2016-09-28
Granbergs Dal	GBD	Sweden	59.4570N	14.5540E	150	From 1980-01-01 to 1991-12-31
Grand Ballon	GBF	Alsace,France	47.9027N	7.0990E	1350	
Grand-Bara	GBR	Djibouti	11.1520N	42.4630E	625	From 1981-05-04
Grand Bay	DGBT	Dominica	15.2390N	61.3290W	70	
Grand Be	GBMF	Martinique,France	14.7973N	61.1648W	800	
Grand Canyon	GCAZ	Arizona,U.S.A.	36.0440N	112.1280W	2294	From 1987-01-01
Grand Canyon West Ranch, Meadview	V13A	Arizona,U.S.A.	35.8522N	113.9840W	1402	From 2007-03-10 to 2008-10-17
Grand Cayman	GCM	Cayman Islands	19.2890N	81.3810W	5	From 1984-11-01 to 2000-12-31
Grand Coulee	GCW	Washington,U.S.A.	47.9414N	118.9800W	462	
Grand County Courthouse, Moab, UT	MGCU	Utah,U.S.A.	38.5743N	109.5482W	1241	From 2011-10-21
Grande Dixence	DIX	Switzerland	46.0801N	7.4082E	2410	From 1999-01-19
Grande-Etoile	GELF	Provence-Cote d'Azur,France	43.3836N	5.4275E	550	From 1988-04-08 to 2010-05-20
Grandfather Mountain	GFM	North Carolina,U.S.A.	36.1110N	81.8070W	1726	From 1982-05-27
Grand Junction	GJC	Colorado,U.S.A.	39.0906N	108.5269W	1445	
Grand Junction, N16	NCR16	Colorado	39.1461N	108.5936W	1439	
Grand'Maison	GDM	Rhone-Alpes,France	45.2038N	6.1163E	1574	
Grand Marais	C39A	Minnesota,U.S.A.	47.8171N	90.1289W	341	From 2010-09-18 to 2012-08-11
Grand Marais Airport, Grand Marais	E44A	Michigan,U.S.A.	46.6199N	85.9214W	282	From 2011-09-21
Grandola	GRNL	Portugal	38.1083N	8.5690W	170	From 2022-02-05
Grand Rapids	GP-	Minnesota,U.S.A.	47.6644N	93.4894W	427	From 1964-09-02 to 1964-12-01
Grand Rapids	GP-MN	Minnesota,U.S.A.	47.6644N	93.4894W	427	From 1964-09-02 to 1964-12-01
Grand Remous	GRQ	Quebec,Canada	46.6067N	75.8600W	290	
Grand Saline	GA3TX	Texas,U.S.A.	32.6597N	95.7036W	-94	
Grand Saline	GA-TX	Texas,U.S.A.	32.6569N	95.7044W	-86	
Grand Saline	GA2TX	Texas,U.S.A.	32.6581N	95.7036W	119	
Grand Targhee Resort	TARW	Wyoming,U.S.A.	43.7638N	110.9910W	2091	From 1986-01-01
Grand Turk	GRTK	Turks and Caicos Islands	21.5115N	71.1327W	12	
Grand View Acres	T58A	Virginia,U.S.A.	36.9454N	78.5338W	167	From 2013-03-18
Grandview Point	GRAI	Idaho,U.S.A.	43.8093N	111.3360W	2231	
Grandview, S23	SCR23	Colorado	37.2346N	107.8096W	2113	
Grand Wintersberg	GWF	Alsace,France	48.9775N	7.6219E	580	From 1980-07-01
Grange	GNG	Trinidad and Tobago	11.1770N	60.7980W	36	
Granges-Gontardes	GGF	Rhone-Alpes,France	44.3667N	4.7667E	110	
Grangeville	F11A	Idaho,U.S.A.	45.8883N	116.1549W	1186	From 2006-11-04 to 2008-07-15
Granite Bay	GBY	Alaska,U.S.A.	60.4322N	147.9780W	495	From 1985-07-12
Granite Butte	GBM	Montana,U.S.A.	46.8593N	112.4560W	2237	From 1974-10-09 to 1976-10-04
Granite Butte, Montana	GBMT	Montana	46.8592N	112.4568W	2235	From 2017-08-24
Granite Creek	YUK5	Yukon Territory,Canada	61.1315N	137.8593W	1619	From 2010-08-23
Granite Creek	GRNC	Alaska,U.S.A.	60.7319N	141.7538W	2116	
Granite Creek	GCC	California,U.S.A.	37.0300N	121.9970W	122	From 1965-01-01
Granite Mountain	GMA	Alaska,U.S.A.	65.4287N	161.2320W	860	From 1970-09-17 to 1978-03-25
Granite Mountain	GMU	Utah,U.S.A.	40.5755N	111.7630W	1829	From 1970-08-01
Granite Mountain	H17K	Alaska,U.S.A.	64.9370N	159.9126W	396	From 2017-07-11
Granite Mountain	L18K	Alaska,U.S.A.	62.2195N	156.6886W	329	From 2017-05-10
Granite Mountains Research Center, Essex	GMRC	California,U.S.A.	34.7846N	115.6599W	1326	From 2006-04-04
Granite Pass	GRP	California,U.S.A.	34.8043N	115.6050W	1238	
Granite Peak	LGPM	California,U.S.A.	40.9125N	122.8290W	1290	From 1982-10-01
Granite Springs	M61A	New York,U.S.A.	41.3104N	73.7673W	190	From 2013-05-30
Graniteville	GVS	South Carolina,U.S.A.	33.5970N	81.8528W	100	From 1974-05-20 to 1976-08-09
Granja Avicola del Valle, Pronaca, San Luis, Pueblo Viejo, Ecuador	QEVI	Ecuador	0.1383S	78.3691W	2403	From 2017-07-12
Granollers	CGRN	Spain	41.6070N	2.2884E	153	From 2008-04-24
Gran Sasso	GIGS	Italy	42.4500N	13.5690E	1000	From 2003-02-24
GRAN SASSO GALLERIA	GSG	Italy	42.4590N	13.5500E	777	From 2001-04-04
Grant County #2	GC02	Oklahoma,U.S.A.	36.8515N	97.8596W	354	From 2014-11-05
Grant Creek	GRCI	Idaho,U.S.A.	43.9667N	113.9890W	2341	From 1983-11-01
Grantham	GRAN	South Africa	32.3020S	22.1710E	866	From 2012-09-29
Grant Side Rd.	KB3O	Ontario,Canada	45.3783N	76.1509W	95	From 2013-10-01
Grantsville	GS-	Maryland,U.S.A.	39.6189N	79.1833W	762	
Grantsville	GS-MD	Maryland,U.S.A.	39.6189N	79.1833W	762	
Grant Village	H17A	Wyoming,U.S.A.	44.3951N	110.5762W	2400	From 2007-10-03
Grant Village	YPGV	Wyoming,U.S.A.	44.3808N	110.5453W	2430	
Granyena	CGRY	Spain	41.6237N	1.2469E	596	From 2022-11-16
Grapevine	GV-TX	Texas,U.S.A.	32.8858N	96.9983W	152	From 1962-06-02 to 1965-12-31
Grapevine	GVN	California,U.S.A.	36.9999N	117.3435W	844	From 1978-11-28
Grapevine	GV-	Texas,U.S.A.	32.8858N	96.9983W	152	From 1962-06-02 to 1965-12-31
Grapevine Ranger Station, Death Valley	GRAC	California,U.S.A.	36.9961N	117.3662W	689	From 2001-04-18
Grassano	GSS	Italy	40.6316N	16.2791E	512	From 2015-10-30
Grasshopper Mountain, Humboldt Redwoods SP, CA	GHOP	California	40.3070N	123.9780W	1027	From 2020-06-01
Grass Mountain	VGMM	Oregon,U.S.A.	43.5923N	122.5460W	1561	
Grass Mountain	GSM	Washington,U.S.A.	47.2032N	121.7940W	1305	From 1970-06-11
Grass Mountain	SXI1	Taiwan region	25.0942N	121.8754E	745	From 2013-10-23
Grassy Mountain	GMG	Georgia,U.S.A.	34.8627N	84.6703W	1097	From 1985-11-01
Gratio	GRT	Tennessee,U.S.A.	36.2640N	89.4250W	137	
Graus	EGRA	Spain	42.1952N	0.3160E	706	From 1990-12-12
Gravata	GRBR	Pernambuco,Brazil	8.2273S	35.6401W	470	From 2007-01-01
Gravel Pit	MGPM	California,U.S.A.	37.6264N	118.9025W	2190	
Gravette	U38A	Arkansas,U.S.A.	36.4394N	94.3857W	389	From 2010-06-16 to 2012-02-19
Gray	T51A	Kentucky,U.S.A.	36.9655N	83.9454W	329	From 2012-05-31
Grayback Hills BLM, Clive	N14A	Utah,U.S.A.	40.8513N	113.1867W	1325	From 2007-02-20 to 2008-08-20
Gray Butte	LGBM	California,U.S.A.	41.3452N	122.1940W	2304	
Gray Hill	HGH	England,United Kingdom	51.6380N	2.8064W	210	From 1980-01-01
Grayling	GLMI	Michigan,U.S.A.	44.8245N	84.6174W	387	From 2006-08-10
Grayling	GRLA	Alaska,U.S.A.	62.9063N	160.0626W	31	
Grayling Creek	GCR	Montana,U.S.A.	44.7962N	111.1060W	2075	From 1973-01-01
Grays Lake	GRRI	Idaho,U.S.A.	42.9380N	111.4220W	2207	
Grayson	242A	Louisiana,U.S.A.	32.0617N	92.1521W	57	From 2011-02-21 to 2012-11-13
Graz	GRA	Austria	47.0767N	15.4483E	369	
Gr delle femmine	EGFM	Sicily,Italy	37.8197N	15.0210E	1700	From 1994-10-01
Great Barrier	GBZ	North Island,New Zealand	36.2160S	175.4814E	70	From 1967-10-14 to 1990-05-20
Great Barrier Island	GRZ	North Island,New Zealand	36.2502S	175.4578E	80	From 2010-05-13
Great Renaissance Dam	GRD1	Ethiopia	11.1350N	35.0560E	685	
Great Rift	GTRI	Idaho,U.S.A.	43.2440N	113.2410W	1547	From 1992-01-01
Great Sand Dunes National Park	SDCO	Colorado,U.S.A.	37.7456N	105.5012W	2569	From 2002-07-11
Great Sitkin	AD1	Alaska,U.S.A.	52.0233N	176.1520W	244	From 1974-01-01 to 1992-02-01
Great Sitkin Cape Kiugilak	GSCK	Alaska,U.S.A.	52.0119N	176.1620W	384	
Great Sitkin Middle Yoke	GSMY	Alaska,U.S.A.	52.0432N	176.0563W	418	
Great Sitkin Saddle Point	GSSP	Alaska,U.S.A.	52.0928N	176.1757W	295	
Great Sitkin Teapot Rock	GSTR	Alaska,U.S.A.	52.0943N	176.0591W	536	
Great Sitkin Triple Divide	GSTD	Alaska,U.S.A.	52.0559N	176.1447W	873	
Great Whale R.	GWR	Quebec,Canada	55.2767N	77.7433W	20	From 1972-09-14
Great Whale River	GWC	Quebec,Canada	55.2917N	77.7533W	8	From 1965-09-27 to 1972-09-01
Greaves Creek	GRVM	New South Wales,Australia	33.6618S	150.3091E	980	
Grecia	GREC	Costa Rica,Costa Rica	10.0740N	84.3090W	1016	
Greenacres	MGOO	Washington,U.S.A.	47.6482N	117.1490W	637	From 2014-01-29
Greenback	GRBT	Tennessee,U.S.A.	35.6740N	84.1970W	329	
Greenback	GBTN	Tennessee,U.S.A.	35.6660N	84.2110W	326	From 1983-03-23 to 2006-07-06
Green Bank	GBV	West Virginia,U.S.A.	38.4300N	79.8438W	826	From 1976-11-15
Greenbrier Site X102	X102	Arkansas,U.S.A.	35.3798N	92.3115W	206	
Greenbrier Site X201	X201	Arkansas,U.S.A.	35.2927N	92.3623W	207	
Greenbrier Site X301	X301	Arkansas,U.S.A.	35.2386N	92.4002W	112	
Greenbush Farm, Park River	B31A	North Dakota,U.S.A.	48.4236N	97.6495W	279	From 2010-08-12 to 2012-06-23

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Greendale	GDAL	South Island,New Zealand	43.5862S	172.0888E	127	From 2005-11-16
Greendale, DAR8	DARN8	South Island	43.5962S	172.0812E	127	
Green Forest	U39A	Arkansas,U.S.A.	36.3823N	93.4805W	433	From 2011-01-26 to 2012-10-30
Green Hill Farm, Brenham	537A	Texas,U.S.A.	30.0799N	96.3155W	92	From 2010-01-31 to 2011-11-05
Green Lake	GLKZ	Kermadec Islands,New Zealand	29.2620S	177.9203W	30	From 2009-06-01
Greenland Icesheet	ICESG	Greenland	69.0900N	39.6500W	2931	From 2011-07-07
Green Mountain	GNW	Washington,U.S.A.	47.5644N	122.8253W	165	
Green Mt Res., N05	NCR05	Colorado	39.8897N	106.3096W	2439	
Green Oak Ranch	GORC	California,U.S.A.	33.1537N	117.2292W	138	
Green Oak Ranch, Vista	VSTC	California,U.S.A.	33.1537N	117.2292W	138	From 1975-01-01
Greenough	D14A	Montana,U.S.A.	47.0816N	113.5062W	1444	From 2006-10-04 to 2009-07-16
Green Peter	VGPM	Oregon,U.S.A.	44.4833N	122.5820W	1212	
Greenpond	GPD	New Jersey,U.S.A.	41.0177N	74.4608W	360	
Green River Community College BBO	GRCC	Washington,U.S.A.	47.3116N	122.1807W	130	From 2004-09-01
Greensboro	148A	Alabama,U.S.A.	32.6469N	87.5710W	63	From 2012-01-16
Greensboro	GBG	Georgia,U.S.A.	33.4985N	83.2112W	173	From 1978-02-01
Greensboro	GBNC	North Carolina,U.S.A.	36.0678N	79.7450W	236	
Greensboro	Q60A	Maryland,U.S.A.	39.0016N	75.8429W	14	From 2013-05-28
Greensprings	IP04	Virginia,U.S.A.	38.0922N	78.0942W	166	
Green Top	GTTN	Tennessee,U.S.A.	35.8120N	83.6670W	917	
Greenvale	GVL	Victoria,Australia	37.6186S	144.9006E	187	From 1976-01-01 to 2009-09-03
Green Valley	217A	Arizona,U.S.A.	31.7748N	110.8162W	1412	From 2007-03-03 to 2008-12-06
Green Valley Road	GVR	California,U.S.A.	38.2807N	122.2150W	257	From 1971-04-30
Green Verdugo Microwave Site, Sunland	DECC	California,U.S.A.	34.2535N	118.3338W	519	From 2000-08-10
Greenville	GH-MS	Mississippi,U.S.A.	33.3292N	91.0353W	30	
Greenville	GEDE	Delaware,U.S.A.	39.8113N	75.6358W	105	From 2016-02-01
Greenville	T43A	Missouri,U.S.A.	37.0833N	90.2878W	167	From 2011-07-24 to 2013-04-15
Greenville	P60A	Delaware,U.S.A.	39.8113N	75.6358W	105	From 2013-04-28
Greenville	GRV	Missouri,U.S.A.	37.0533N	90.3950W	168	From 1964-01-01 to 1974-12-31
Greenwater Valley	GWV	California,U.S.A.	36.1867N	116.6710W	1540	From 1978-07-24 to 1988-02-16
Greenwater Valley	GWY	California,U.S.A.	36.1860N	116.6689W	1556	From 1988-04-01
Greenwich	GWJ	Jamaica	18.0740N	76.7280W	1200	
Greenwood	L56A	New York,U.S.A.	42.1365N	77.5591W	688	From 2013-08-17
Greenwood	GWDE	Delaware,U.S.A.	38.8256N	75.6171W	19	From 1995-08-29 to 2001-06-29
Greenwood	TMB06	Texas	31.9780N	101.8000W	801	From 2019-02-28
Gregorio Matese	SGG	Italy	41.3867N	14.3788E	880	From 1977-01-01
Greiggs Mountain	SVGM	St Vincent	13.2151N	61.1746W	362	From 2021-07-19
Grenada	LGRM	California,U.S.A.	41.6392N	122.4805W	780	
Grenada	GRE	Grenada	12.0470N	61.7460W	15	From 1952-12-21
Grenada, Carriacou, Mt. Pleasant	GCMP	Grenada	12.4860N	61.4260W	39	From 2014-03-17
Grenada Fort Frederick, Mt. Wheldale, St. Georges	GRFF	Grenada	12.0492N	61.7376W	223	From 2014-03-04
Grenoble	GRN*	Rhone-Alpes,France	45.1833N	5.7000E	244	
Grenoble	GRN	Rhone-Alpes,France	45.2425N	5.7452E	1040	From 1980-02-01
Grenville	GRGR	Grenada	12.1324N	61.6540W	195	
Grenville Island	GRNB	British Columbia,Canada	53.8468N	129.9575W	461	From 2014-08-24
Gresham	PGO	Oregon,U.S.A.	45.4667N	122.4530W	237	From 1982-06-01
Gresik	GRJI	Jawa,Indonesia	6.9145S	112.4793E	0	From 2007-12-01
Greta Valley South Island, New Zealand	GVZ	South Island,New Zealand	42.9674S	173.0348E	400	From 2012-06-30
Gretna	GAN	Nebraska,U.S.A.	41.0214N	96.2469W	335	From 1977-12-13 to 1979-10-30
Greve in Chianti fraz. Greti	T1647	Italia	43.6068N	11.3118E	243	From 2022-05-04 to 2022-09-07
Grevena	GRE3	Greece	40.0848N	21.4383E	533	From 2011-06-15
Greybull	H20A	Wyoming,U.S.A.	44.4868N	107.9990W	1236	From 2008-07-26 to 2010-09-14
Greycliff	GCMT	Montana,U.S.A.	45.7912N	109.6672W	1530	
Greymouth	GRY	South Island,New Zealand	42.4483S	171.2151E	3	From 1932-11-01 to 1942-10-31
Greymouth Fire Station	GMFS	South Island,New Zealand	42.4579S	171.2043E	8	From 2014-08-11
Gribbell Island, BC, CAN	GRIB	British Columbia,Canada	53.3385N	129.1383W	418	From 2017-08-30
Griffith Obs. 2	GR2C	California,U.S.A.	34.1182N	118.3003W	342	
Griffith Observatory	GOC	California,U.S.A.	34.1130N	118.3020W	347	From 1965-06-01
Griffith Park	GFP	California,U.S.A.	34.1293N	118.3100W		From 1975-04-01
Grimsel Gerstenegg	GRIMS	Switzerland	46.5781N	8.3189E	1746	From 2011-08-01
Grimsey	IGRI	Iceland	66.5420N	18.0100W	36	From 1994-01-21
Grimsfjall	IGRF	Iceland	64.4070N	17.2670W	1710	From 2001-05-08
Grimsstaoir	IGRS	Iceland	65.6380N	16.1240W	378	From 1996-02-15
Grindavik	IGRV	Iceland	63.8572N	22.4558W	52	From 1997-03-03
Grindle Hills	GRIN	Alaska,U.S.A.	60.2810N	143.3190W	625	
Grindstone Mountain	GROR	Oregon,U.S.A.	45.3513N	123.6620W	945	From 1986-05-01
Gringsing, Jawa Tengah	GBJI	Indonesia	6.9533S	109.9762E	102	From 2019-10-01
Grisciano 1	MZ098	Italy	42.7309N	13.2703E	700	From 2016-10-11 to 2016-10-25
Grisciano 2	MZ106	Italy	42.7366N	13.2693E	699	From 2016-10-13 to 2016-10-25
Grise Fiord	GFNU	Nunavut,Canada	76.4180N	82.8998W	12	
Grisolia	GRIS	Italy	39.7405N	15.8531E	551	From 2017-08-01
Grit	GR2	Texas,U.S.A.	30.7864N	99.4161W	549	From 1967-05-19 to 1967-05-23
Grit	GR2TX	Texas,U.S.A.	30.7864N	99.4161W	549	From 1967-05-19 to 1967-05-23
Grit	GRI*	Texas,U.S.A.	30.7778N	99.3842W	518	From 1967-05-19 to 1967-05-23
Grit	GR1TX	Texas,U.S.A.	30.7778N	99.3842W	518	From 1967-05-19 to 1967-05-23
Griva	GRVA	Komi	60.5773N	50.7810E	184	
Griva	GRG	Greece	40.9567N	22.4014E	560	From 1981-01-01
Grizzlie Mountain	GMO	Oregon,U.S.A.	44.4391N	120.9560W	1689	
Grizzly Bear Lake	GBLN	Northwest Territories,Canada	64.1995N	112.9935W	392	
Grizzly Peak	GZU	Utah,U.S.A.	41.4255N	111.9750W	2646	
Grizzly Peak, McCloud, CA USA	GRPK	California	41.1217N	121.9942W	1432	From 2020-08-01
Grjothals	IGHA	Iceland	65.8435N	16.6629W	396	From 2009-09-30
Grjothals	IGHS	Iceland	65.8578N	16.6272W	405	From 2008-03-19
Grmije	GMRK	Kosovo	42.6588N	21.2197E	1026	From 2013-05-05
Grobnik	GROS	Slovenia	46.4610N	15.5018E	930	
Grobogan, Jawa Tengah	GGJI	Indonesia	7.0302S	110.9210E	82	From 2019-10-01
Grofit	GRFT	Israel	29.9414N	35.0638E	159	From 2018-12-23
Groom Lake Road	GLR	Nevada,U.S.A.	37.1994N	116.0175W	1446	From 1975-11-20 to 2002-10-10
Groom Range	GMR	Nevada,U.S.A.	37.3338N	115.7725W	1580	From 1979-01-23 to 2002-10-10
Grossbuechelberg	MGBB	Bayern,Germany	49.9720N	12.2150E	650	From 2001-03-12
Grosserlach	A117A	Germany	49.0441N	9.5684E	494	From 2015-11-04
Grosses Roches	GSQ	Quebec,Canada	48.9100N	67.1100W	398	From 1981-10-28
Grosshau	GSH	Nordrhein-Westfalen,Germany	50.7357N	6.3796E	367	From 1981-01-01
Grossmontoni	MOSI	Italy	46.6164N	10.5495E	1957	From 2006-12-13
Grota Negra	GRON	Azores,Portugal	37.7680N	25.5333W	577	From 2006-08-10
Grotte di Bossea	GBOS	Italy	44.2416N	7.8399E	897	From 2011-10-26
Grotte du Lazaret, Nice	GLAN	Provence-Cote d'Azur	43.6908N	7.2947E	29	From 2018-09-20
Ground Anchor Farm, New Bern	W61A	North Carolina,U.S.A.	35.1773N	76.9909W	6	From 2013-04-07
Ground Zero	GZN	Nevada,U.S.A.	37.2360N	116.5160W		From 1965-01-01 to 1970-12-31
Ground Zero	ZOX	Nevada,U.S.A.	37.2360N	116.5160W		From 1965-01-01 to 1970-12-31
Grouse Hill	LGHM	California,U.S.A.	41.6115N	121.6210W	2146	
Grouse Mountain	KGMM	California,U.S.A.	40.7588N	123.6740W	1615	
Grover	GRX	Nevada,U.S.A.	39.6355N	117.9890W	1390	From 1980-01-01
Grover	N25A	Colorado,U.S.A.	40.8132N	104.0873W	1607	From 2008-07-02 to 2010-05-18
Groznyy	GROC	Russia	43.2027N	45.7961E	198	From 2008-04-15
Groznyy	GRO	Chechnya,Russia	43.3200N	45.7500E	123	
Grube Fortuna	WBFO	Hessen	50.5745N	8.4227E	211	From 2014-04-15
Gruissan	CLAF	Languedoc-Rousillon	43.1350N	3.0900E	115	From 2015-07-13
Grumento Nova	FORE	Italy	40.3074N	15.8629E	570	From 2011-10-25
Grumento Nova	GRUE	Italy	40.2985N	15.8939E	550	From 2011-10-25
Grumento Nova (PZ)	AG51	Italy	40.2911N	15.8542E	769	From 2014-02-13 to 2016-02-09
Grundy	GD-	Virginia,U.S.A.	37.3928N	81.9778W	366	From 1962-07-21 to 1962-10-05
Grundy	GD-VA	Virginia,U.S.A.	37.3928N	81.9778W	366	From 1962-07-21 to 1962-10-05
Gruta Xavier	XAVN	Nicaragua	12.1487N	86.3263W	160	
Gruza	GRUS	Serbia	43.8886N	20.7153E	273	From 2002-05-01
Gryon	GRYON	Switzerland	46.2505N	7.1111E	1300	From 2002-10-10
GSN - IU, KOWA	KOWA2	Mali	14.4967N	4.0140W	316	
Guabo, GUA	CGUA	Costa Rica	9.3412N	83.8387W	168	From 2002-10-01 to 2003-03-15
Guacamaya	GUAC	Venezuela	10.1920N	67.2711W	1359	From 1987-06-01
Guacas, POP	CPOP	Colombia	2.4438N	76.5250W	2045	
Guadalajara	GUM	Jalisco,Mexico	20.6794N	103.3242W	1567	
Guadalajara 2	GUM2	Jalisco,Mexico	20.6667N	103.3000W	1543	
Guadaloupe-1	LZG	Guadeloupe,France	16.1408N	61.7755W	116	From 1997-01-01
Guadaloupe-2	PHG	Guadeloupe,France	16.0146N	61.6426W	981	From 2004-03-30
Guadaloupe-3	TBG	Guadeloupe,France	15.8522N	61.6455W	78	From 2004-11-26
Guadalupe	LUPE	Costa Rica,Costa Rica	9.9480N	84.0550W	1200	
Guadalupe	PT03	Peru	13.9917S	75.7967W	400	
Guadalupe Mountain	GDL2	New Mexico,U.S.A.	32.2003N	104.3640W	1213	
Guadalupe Victoria	GUVIX	Baja California	32.3029N	115.0760W	16	From 2014-06-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Guadarrama	GUD	Spain	40.6430N	4.1540W	1393	From 1979-07-01
Guadeloupe Broadband 3 component	MMLZ	Guadeloupe	16.0445N	61.6690W	1	
GUADELOUPE INFRASONIC ARRAY REFERENCE STATION	25DIT	Guadeloupe,France	16.1254N	61.6253W	259	From 2019-12-03
Guadeloupe/Martinique T-Phase Site N1	H05N1	Guadeloupe,France	16.3164N	61.0567W	268	From 2000-09-18
Guadeloupe/Martinique T-Phase Site S1	H05S1	Guadeloupe,France	14.4250N	60.8367W	6	From 2000-09-18
Guagua Pichincha Codigem	GGPC	Ecuador	0.1788S	78.5968W	4420	From 2012-06-15
GUAI	GUAI	Costa Rica	10.2702N	85.5105W	49	From 1999-12-05 to 2000-06-19
Guajares	EGUA	Spain	36.8337N	3.5654W	386	From 1991-01-10
Gualaca, Chiriqui	GUAL3	Panama	8.5320N	82.2980W	146	From 2010-01-01
Gualala	GGUM	California,U.S.A.	38.8565N	123.4980W	661	
Gualdo di Macerata	GUMA	Italy	43.0627N	13.3352E	574	From 2007-10-18
Guallil	GUAL	Ecuador	3.0718S	78.8142W	3265	From 1994-07-21
Guam	GUA	Mariana Islands	13.5397N	144.9141E	287	From 1963-04-01
Guam	GUAM	Mariana Islands	13.4717N	144.7483E		From 1914-01-01 to 1944-12-31
Guam	GUAMO	Missouri,U.S.A.	36.8892N	89.8390W	172	
Guam	GUMO	Mariana Islands	13.5891N	144.8686E	99	From 1975-08-01
Guanacaste Province	PG27	Costa Rica	10.8358N	85.3899W	1084	
Guanajuato, GTO	CGTO	Mexico	32.5183N	115.3367W	8	
GUANDACOL	AGUA	La Rioja,Argentina	29.4870S	68.4910W	1075	From 1996-09-26
Guandu, BA	GDU01	Brazil	13.7200S	39.5753W	251	From 2014-04-28
Guangfu	EGFH	Taiwan region	23.6688N	121.4274E	132	From 2011-12-20
Guangzhou	CNT	Guangdong,China	23.0869N	113.3440E	11	
Guangzhou	GZH	Guangdong,China	23.0869N	113.3440E	11	
Guangzhou	GZH2	Guangdong,China	23.6520N	113.6540E	86	From 2000-09-01
Guanica, Bosque Seco, PR	GBPR	Puerto Rico	17.9751N	66.8792W	15	From 2006-09-21
Guanoco	GUNV	Venezuela	10.1616N	62.9426W	60	
Guantanamo	GM-	Cuba	19.9669N	75.0872W	16	From 1963-11-19 to 1964-03-03
Guantanamo	GM-CU	Cuba	19.9669N	75.0872W	16	From 1963-11-19 to 1964-03-03
Guantanamo	GTMO	Cuba	20.0800N	75.1400W	0	
Guantanamo Bay	GBC	Cuba	19.9000N	75.1500W		
Guantanamo Bay	GTBY	Caribbean Sea,U.S.A.	19.9268N	75.1108W	79	
Guanxi Township	KSHI	Taiwan region	24.7766N	121.1760E	168	From 2018-10-12
Guanyuan	TQ06	Taiwan region	24.1859N	121.3420E	2336	From 2017-05-24
Guapiles	PILE	Costa Rica	10.2160N	83.7890W	308	
Guarapari	CAM3	Espirito Santo,Brazil	20.7288S	40.5222W	27	
Guarapari-ES	ALF01	Espirito Santo,Brazil	20.6169S	40.7252W	22	From 2011-01-30
Guarapari, ES	NAN01	Brazil	17.8442S	40.1257W	209	From 2013-09-23
Guaratinga, BA	GUA01	Brazil	16.5835S	39.8053W	198	From 2013-10-27
Guarcino	GUAR	Italy	41.7945N	13.3123E	741	From 2003-05-29
Guardamar (Alicante)	EXGUA	Spain	38.0960N	0.6570W	20	From 2009-09-01
Guardaparques de Rincn de la Vieja	GPS1	Costa Rica	10.7748N	85.3497W	846	From 2000-01-01
Guardaramiro	GDRO	Patagonia	52.2374S	73.1392W	12	From 2016-01-20
GUARDIA DEI LOMBARDI	GUA25	Italy	40.9542N	15.2093E	979	From 2018-10-06
Guardialfiera	GDFR	Italy	41.8034N	14.7971E	299	From 2018-08-22
Guardia Perticara	GUPE	Italy	40.3678N	16.0686E	674	From 2018-10-16
Guarumal, Veraguas	GMAL	Panama	7.7630N	81.2330W	115	From 2010-01-01
Guaruva-PR	TIJ01	Parana,Brazil	25.3235S	49.0046W	1049	From 2011-01-30
Guasayan	GUSE	Santiago del Estero	27.8860S	64.8450W	487	From 2017-10-12
Guatemala Basin O.B.S. 2	GB02	Guatemala Basin,North Pacific Ocean	6.5569N	93.5519W	-3580	From 1979-05-01
Guatemala Basin O.B.S. 3	GB03	Guatemala Basin,North Pacific Ocean	7.8381N	94.3869W	-3730	From 1979-05-01
Guatemala Basin O.B.S. 4	GB04	Guatemala Basin,North Pacific Ocean	12.7400N	91.0161W	-5260	From 1979-06-01
Guatemala Basin O.B.S. 5	GB05	Guatemala Basin,North Pacific Ocean	12.6519N	90.9489W	-6010	From 1979-05-01
Guatemala Basin O.B.S. 6	GB06	Guatemala Basin,North Pacific Ocean	12.6939N	90.8519W	-5260	From 1979-06-01
Guatemala Basin O.B.S. 7	GB07	Guatemala Basin,North Pacific Ocean	12.7911N	90.9119W	-4460	From 1979-06-01
Guatemala Basin O.B.S. 8	GB08	Guatemala Basin,North Pacific Ocean	12.7169N	90.9369W	-5465	From 1979-05-01
Guatemala City	GCG	Guatemala	14.5862N	90.5328W	1502	From 1925-01-01
Guatemala OBS 1	GB01	Guatemala Basin,North Pacific Ocean	3.9981N	91.9981W	-2893	From 1979-05-01
Guayabal, Cochea	CGUAY	Panama	8.4590N	82.3510W	77	
Guayabo	TMIA	Costa Rica	10.7153N	85.1945W	670	
Guayabo	MICM	Costa Rica	10.7010N	85.1990W	636	
Guayabo de Bagaces	GUAB	Costa Rica	10.7075N	85.2292W	584	From 2000-01-01
Guayacanes	GUAY	Dominican Republic	18.4400N	69.4333W	0	
Guayaquil	AGUAY	Ecuador	2.0543S	79.9518W	30	From 2010-07-27
Guaymas	GYM	Sonora,Mexico	27.9100N	110.9520W	15	
Guaymas	GUYB	Sonora,Mexico	27.8985N	110.8727W	-2	From 2012-08-03
Guaynabo City	GCPR	Puerto Rico	18.3090N	66.0836W	113	From 2013-07-01
Guba	GUB	Democratic Republic of the Congo	10.6667S	26.4333E		
Gubalibalaoglan, Azerbaijan	MV08	Azerbaijan	40.1360N	49.0600E	52	From 2021-02-19
Gubbio	TB01	Italia	43.3816N	12.4357E	642	From 2012-07-06
Gubbio 1	TSM1	Italy	43.3452N	12.5976E	550	From 2021-11-17
Gubbio 2	TSM2	Italy	43.3963N	12.4900E	632	From 2021-11-19
GUBBIO PARCHEGGIO SANTA LUCIA	GBSL	Italy	43.3558N	12.5717E	515	From 2019-12-30
GUBBIO PIANA	GBP	Italy	43.3138N	12.5894E	426	From 2010-08-11
Gudauri	GUDG	Georgia,Georgia	42.4646N	44.4772E	2012	From 2007-11-13
Gudauri	GUDA	Georgia,Georgia	42.2752N	44.2837E	2011	From 2007-11-13
Guhenno - 56071 - Morbihan - Bretagne - France	GUEF	Bretagne	47.8874N	2.6340W	132	From 2018-07-18
Guelma	CGUE	Algeria	36.4500N	7.4100E	336	
Guelma	CGMA	Algeria	36.4500N	7.4100E	336	
Guerrero	LLJ	Guerrero,Mexico	16.5642N	98.8847W		
Guerrero	CGG	Guerrero,Mexico	16.6750N	98.4575W	400	
Guerrero Negro B.C.S	NE74	Baja California	28.0070N	114.0130W	21	From 2014-08-13
Guerrero, Norte de Santander	GUEC	Colombia	7.8302N	72.9247W	2430	From 2008-07-15
Guffey, N23	NCR23	Colorado	38.7610N	105.5202W	2704	
Guglionesi	GLNS	Italy	41.9120N	14.9182E	346	From 2018-08-20
Guglionesi (CB)	T1411	Italy	41.9461N	14.9258E	121	From 2018-08-17 to 2018-10-23
Guguan	GUGU	East of Mariana Islands	17.3102N	145.8329E	91	
Guia de Isora	TGUI	Canary Islands	28.1737N	16.7748W	355	From 2016-11-08
Guia de Isora, Tenerife	GUIA	Canary Islands	28.2475N	16.7208W	1821	From 2008-07-15
Guia, Gran Canaria	GGC	Canary Islands,Spain	28.1197N	15.6367W	560	From 1984-11-01
Guihulngan City	GNOP	Negros	10.2249N	123.2529E	625	
Guildford	GILD	England,United Kingdom	51.2500N	0.5833W		
GuiLin	GULI	Guangxi,China	25.2911N	110.3661E	198	From 2009-01-01
Guimar	GUI	Canary Islands,Spain	28.3208N	16.4405W	868	
Guimar, Tenerife	CGUI	Canary Islands	28.3222N	16.4425W	869	From 2013-12-20
Guinayangan	GQP	Philippines	13.9050N	122.4460E	50	
Guiratinga	GUIR	Mato Grosso	16.1985S	53.7257W	482	From 2015-09-17
Guiria	GUIV	Venezuela	10.6470N	62.2230W	50	
Guisborough	STARF	England	54.5300N	1.0800W	114	From 2017-08-06
Guiyang	HXI	Guizhou,China	26.4586N	106.6640E	1162	
Guiyang	GYA	Guizhou,China	26.4586N	106.6640E	1162	
Guiyang	KWA	Guizhou,China	26.4586N	106.6640E	1162	
Gukeng	WGK	Taiwan region	23.6860N	120.5620E	75	
Gulagac	GULA	Turkey	38.3443N	34.2360E	1128	From 2010-06-30
Gulek	GULE	Turkey	37.2837N	34.7765E	1625	From 2006-12-01
Guler Mountain	GULW	Washington,U.S.A.	45.9242N	121.5960W	1189	From 1986-07-31
Gulfidan-Ladik(Samsun)	GULF	Turkey	40.9140N	35.8790E	930	From 2013-12-05
Gulf of Nicoya	BANE	Costa Rica	9.9292N	84.9564W	49	From 1999-12-06 to 2000-06-18
Gulkana	GUL	Alaska,U.S.A.	62.2206N	145.4514W	600	From 1964-04-11 to 1964-05-07
Gulpinar-Canakkale	GPNR	Turkey	39.4560N	26.1332E	52	From 2011-03-26
Gulveren	GULT	Turkey	40.4323N	30.5150E	930	From 1993-01-01
Gumare	GMARE	Botswana	19.3893S	22.1625E	985	
Gumba	GUN	Nepal	27.9106N	85.8794E	2900	From 1985-03-01
Gum-Bashi	GUMR	Stavropol'skiy Kray,Russia	43.7756N	42.2472E	2312	
Gumboot Lake, Dunsmuir, CA USA	GUMB	California	41.2130N	122.5094W	1877	From 2020-08-01
GUMI	KSGUM	Republic of Korea	36.2347N	128.2902E	48	From 2006-12-30
Gumukmas	GMJI	Jawa,Indonesia	8.2732S	113.4441E	0	From 2007-12-01
Gumuldur	GMLD	Turkey	38.0766N	26.9156E	10	From 2011-07-24
Gumushane	GUMT	Turkey	40.4600N	39.4800E	1326	
GUNA	GUNA	Madhya Pradesh	24.6490N	77.3320E	488	From 2018-04-19
GUNB	GUNB	Guatemala	14.5957N	90.3453W	2403	From 2014-01-01
Gundaroo	GUND	New South Wales,Australia	35.0318S	149.2679E	600	From 2007-08-01
Gundogdu	GDDT	Turkey	40.3397N	29.0213E	575	From 1994-01-01
Guneyli	GNYT	Turkey	40.5638N	29.2795E	585	From 1994-01-01
Gungliau Township	TNGL	Taiwan region	25.0430N	121.9230E	12	From 2002-11-06
Gun Hill	BBGH	Barbados	13.1434N	59.5588W	180	
Gunib	GNBR	Dagestan,Russia	42.3889N	46.9639E	800	
Gunnerudssatern	GNN	Sweden	60.1336N	13.6956E	265	From 1969-01-01 to 1991-12-31
Gunnison, N28	NCR28	Colorado	38.5196N	107.0202W	2348	
Gunsan	KSKUS	Republic of Korea	36.0168N	126.8336E	58	From 2000-02-05

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
GUNSAN	KSGUS	Republic of Korea	36.0371N	126.7819E	33	From 2006-12-30
Gun Site Peak	GSUT	Utah,U.S.A.	41.9063N	112.1210W	1783	From 1979-10-01 to 1980-07-31
Gunungsitoli	GSI	Nias,Indonesia	1.3039N	97.5755E	107	From 2005-09-30
Gunung Srandil	SCJI	Jawa,Indonesia	7.6810S	109.1689E	45	
Gunung Toar, Riau	GTSI	Indonesia	0.5981S	101.4888E	9	From 2019-01-01
Gunwi	GUWB	Republic of Korea	36.1813N	128.5927E	-7	From 2016-12-16
Gunzen	GUNZ	Sachsen,Germany	50.3635N	12.3316E	669	From 2000-12-16
Gunzipadi	GNZP	Orissa	20.0920N	84.1480E	653	From 2017-09-09
Guolierlin High School	WRL	Taiwan region	23.9013N	120.3772E	97	From 2015-02-06
Guoxing	DPDB	Taiwan region	24.0334N	120.9264E	650	From 2005-01-24
Guralp CMG5TDE. Diego Martin, Trinidad	DMDM	Trinidad and Tobago	10.6973N	61.5509W	0	
Gura Zlata	GZR	Romania	45.3933N	22.7767E	850	From 1977-04-01
Guri	GUV	Venezuela	7.8086N	63.0974W	130	
Guri Network	GUV1	Venezuela	7.9478N	62.8554W	410	
Guri Network	GUV2	Venezuela	7.7816N	62.8176W	650	
Guri Network	GUV5	Venezuela	7.8944N	63.2120W	410	
Guri Network	GUV4	Venezuela	7.6083N	63.1017W	410	
Guri Network	GUV3	Venezuela	7.6009N	62.7614W	440	
Gurin_SVAS	CUGUR	Turkey	38.7237N	37.2719E	1401	From 2010-07-08
Guroymak-BITLIS	GURO	Turkey	38.5509N	42.0322E	1388	From 2011-10-29
Gusciola	GSCL	Italy	44.3506N	10.5878E	665	
Gushan	WSSB	Taiwan region	22.6418N	120.2618E	352	From 2002-12-01
Gustavo A Madero	GMVM	Mexico D.F.	19.4930N	99.1110W	2400	
Gusukube	JOGS	Ryukyu Islands,Japan	24.7600N	125.4063E	60	
Gutenstein	GUT	Baden-Wurttemberg,Germany	48.0702N	9.1147E	640	From 1997-10-14
Guthrie	V34A	Oklahoma,U.S.A.	35.8345N	97.5176W	329	From 2009-10-31 to 2011-09-03
Gut Margarthenhoehe	BD04	Nordrhein-Westfalen,Germany	50.9151N	6.5986E	80	From 2001-01-01 to 2013-09-24
Guttenberg	A350A	Germany	50.1674N	11.5708E	489	From 2015-10-23
Guttu	GTU	Himachal Pradesh,India	30.5269N	78.7477E	1880	From 2007-05-01
Guwahati	GWH	Assam,India	26.1500N	91.7300E		From 1982-12-01
GUWAHATI	GUWA	Assam,India	26.1933N	91.6914E	88	From 2011-05-01
Guyana, Caldas	GUY2C	Colombia	5.2240N	75.3650W	3605	From 2013-04-17
Guyana, Colombia	GUYC	Colombia	5.2237N	75.3902W	3600	From 2009-02-01 to 2013-04-26
Guyot Hills	GYO	Alaska,U.S.A.	60.1463N	141.4710W	183	From 1976-06-01
Guysborough	GBN	Nova Scotia,Canada	45.4078N	61.5128W	38	From 1983-05-03
Guzdek, Azerbaijan	MV06	Azerbaijan	40.3736N	49.6891E	132	From 2020-08-05
Gzelamlı	GCAM	Turkey	37.7002N	27.2335E	38	From 2007-05-22
Guzelce-Avcilar-Istanbul	SBT2	Turkey	40.8786N	28.5142E	-810	From 2010-11-03
Guzelce-Buyukcekmece-stanbul	GUZE	Turkey	40.9998N	28.5074E	3	From 2021-06-08
Guzeripl'	GUZR	Russia	43.9963N	40.1184E	822	From 2012-06-15
Gvkgeada	GADA	Turkey	40.1909N	25.8986E	130	From 2006-07-06
Gwangju	KSKWJ	Republic of Korea	35.1599N	126.9910E	213	From 2000-12-13
Gwangju-acc	KSGWJ	Republic of Korea	35.1731N	126.8915E	0	From 2007-01-01
Gwangyang	GWYB	Republic of Korea	34.9435N	127.6915E	32	From 2012-10-19
Gweek	CGW	England,United Kingdom	50.1006N	5.2228W	9	From 1993-01-01
GYE Cami Cisne II	GYC2	Ecuador	2.2231S	79.9161W	2	From 2019-04-15
GYE Cami Kartodromo	GYKA	Ecuador	2.2597S	79.8759W	20	From 2019-04-15
GYE Cami Zumar	GYZU	Ecuador	2.0898S	79.9300W	9	From 2019-04-17
GYE Consorcio Puerto Limpio	GYPL	Ecuador	2.1173S	79.9649W	98	From 2019-04-15
GYE Interagua Guasmos	GYGU	Ecuador	2.1169S	79.8818W	6	From 2019-04-16
GYE Interagua Pantanos Secos	GYPS	Ecuador	2.2095S	79.9573W	8	From 2019-04-16
Gyeongjusannae	GSNA	Republic of Korea	35.7576N	129.0109E	195	From 2018-03-09
Gyeongsang national university	GSU	Republic of Korea	35.1551N	128.0971E	45	From 2000-10-24
Gygjarholskot	IGYG	Iceland	64.2810N	20.2150W	119	From 1989-12-10
Gymnase	ELAUS	Switzerland	46.5279N	6.6221E	530	From 2008-07-03
Gyogryolbido	KSGBI	Republic of Korea	36.6250N	125.5590E	112	From 2007-12-12 to 2019-03-18
Gythion	GTH2	Greece	36.7603N	22.5659E	3	
Gyula	GYL	Hungary	46.5981N	21.1718E	92	
Gyulagarak	TUNS	Armenia	40.9233N	44.4467E	1910	
Gyulaj	A266A	Hungary	46.5256N	18.2647E	219	From 2015-12-03
Gyumri	GYMZ	Armenia	40.8100N	43.8310E	1560	
Gyumri	GMRZ	Armenia	40.8100N	43.8310E	1560	From 1945-01-01
Gyzyletrek	GZLA	Turkmenistan	37.6750N	54.7650E	55	
Ha apai	TFUA	Tonga	19.7560S	175.0519W	53	
HAARP	HARP	Alaska,U.S.A.	62.3987N	145.1568W	581	From 2015-04-22
Haast DOC Workshop	HDWS	South Island,New Zealand	43.8830S	169.0442E	20	From 2002-01-01
Habana	HAVA	Cuba	23.1058N	82.3525W	35	From 1907-02-03 to 1920-01-01
Haboro	HAB	Rumoi,Japan	44.3833N	141.7000E		
Hachijo jima	HJJ	Bonin Islands,Japan	33.1017N	139.7880E	80	
Hachijo jima 2	JHJ	Bonin Islands,Japan	33.1192N	139.7833E	153	
Hachijojimakashitate	JHCJ	Bonin Islands,Japan	33.0723N	139.7977E	170	From 2009-03-01
Hachinohe	HAC	Aomori,Japan	40.5250N	141.5270E	28	
Hachinohe 2	HACJ	Aomori,Japan	40.3972N	141.5460E	230	From 1991-03-08
Hacho	HACH	Spain	37.1890N	4.1218W	1025	
Hacienda Drive	AHDM	California,U.S.A.	39.0483N	121.0765W	483	
Hacienda Flor	ELI1	Costa Rica,Costa Rica	10.6450N	85.5528W	82	
Hacienda Las Palmas-Pichincha	HPAL	Ecuador	0.2175S	78.6514W	2750	From 2015-05-13
Hacienda Santa Mara 14	GP14	Costa Rica,Costa Rica	10.7572N	85.3450W	710	
Hacienda Santa Mara 3	GP03	Costa Rica,Costa Rica	10.7712N	85.3500W	789	
Hacienda Santa Mara 77	GP77	Costa Rica,Costa Rica	10.7628N	85.3240W	804	
Hacienda Santa Mara ref	REF1	Costa Rica,Costa Rica	10.7603N	85.3233W	769	
Hacienda Santa Martina	MT10	Metropolitana	33.2730S	70.5370W	1410	From 2017-01-20
Hacienda Tamarindo	HATA	Costa Rica	10.4343N	85.2848W	44	From 1999-12-07 to 2000-06-18
Hacifakili, Akdagmaden, YOZGAT	HACI	Turkey	39.7029N	35.7308E	1158	From 2015-03-11
Hadabat Al-Mahri - temporary	HALMT	,Saudi Arabia	22.8454N	44.3173E	930	
Hadbat Hakran	HKNS	Saudi Arabia	22.6420N	41.7158E		
Haddam	HDM	Connecticut,U.S.A.	41.4858N	72.5232W	24	From 1974-12-23 to 1999-01-31
Hadim	HDMB	Turkey	36.9640N	32.4860E	1946	From 2003-11-05
Hadley	I34A	Minnesota,U.S.A.	44.0392N	95.8600W	509	From 2010-07-27 to 2012-05-22
Hadley Quad	HAKY	Kentucky,U.S.A.	37.1057N	86.5849W	169	From 1987-06-26
Had-Ness	HDNS	Israel	32.9280N	35.6412E	0	From 2018-02-04
HADONG	KSHAD	Republic of Korea	35.0797N	127.7696E	60	From 2006-12-30
Hadrut	HDR	Karabakh	39.5220N	47.0310E	800	From 1998-01-01
Hadweenzic River	G24K	Alaska,U.S.A.	66.7004N	147.4754W	503	From 2016-07-20
Haedir	IHAE	Iceland	64.0261N	16.9886W	250	From 2013-09-12
Haeju	HJU	Democratic People's Republic of Korea	38.0429N	125.7253E	60	From 1978-01-01
Haenam	HANB	Republic of Korea	34.5539N	126.5689E	1	From 2015-10-01
Haenam	KSHAN	Republic of Korea	34.5727N	126.5693E	13	From 2001-09-08
Hafar Al Batin	HBTS	Saudi Arabia	28.7336N	46.0514E	337	
Hafik-SIVAS	TUNC	Turkey	39.6942N	37.5388E	1489	From 2020-09-25
Haflong	HLGA	Assam,India	25.1600N	93.0167E	662	From 1984-08-01
Hagar Qim temples	HQIM	Malta	35.8277N	14.4426E	129	From 2019-02-19
Hagersville	HGVO	Ontario,Canada	42.9607N	80.1264W	224	
Hagfors	HFS	Sweden	60.1335N	13.6945E	296	From 1969-01-01
Hagfors Array Site A1	HFSA1	Sweden	60.1383N	13.6955E	240	
Hagfors Array Site B1	HFSB1	Sweden	60.1382N	13.7011E	225	
Hagfors Array Site B2	HFSB2	Sweden	60.1431N	13.6988E	230	
Hagfors Array Site B3	HFSB3	Sweden	60.1433N	13.6884E	240	
Hagfors Array Site B4	HFSB4	Sweden	60.1384N	13.6860E	235	
Hagfors Array Site B5	HFSB5	Sweden	60.1351N	13.6935E	240	
Hagfors Array Site C1	HFSC1	Sweden	60.1344N	13.6968E	265	
Hagfors Array Site C2	HFSC2	Sweden	60.1335N	13.6973E	260	
Hagfors New Array Site A0	HFA0	Sweden	60.1420N	13.6850E	274	
Hagfors New Array Site A1	HFA1	Sweden	60.1444N	13.6846E	294	
Hagfors New Array Site A2	HFA2	Sweden	60.1406N	13.6806E	301	
Hagfors New Array Site A3	HFA3	Sweden	60.1405N	13.6896E	265	
Hagfors New Array Site B1	HFB1	Sweden	60.1482N	13.6824E	323	
Hagfors New Array Site B2	HFB2	Sweden	60.1421N	13.6729E	341	
Hagfors New Array Site B3	HFB3	Sweden	60.1370N	13.6820E	271	
Hagfors New Array Site B4	HFB4	Sweden	60.1384N	13.6943E	266	
Hagfors New Array Site B5	HFB5	Sweden	60.1467N	13.6964E	253	
Hagfors New Array Site C2	HFC2	Sweden	60.1335N	13.6945E	296	
HAGI	HAGI	Swaziland	26.1158S	31.1895E	1262	
Ha Giang	HGVB	Vietnam	22.8358N	104.9923E	119	From 2008-01-01
Hagimishima	JHGM	Yamaguchi,Japan	34.7827N	131.1414E	19	From 2013-07-01
Hagoal	HHAG	Egypt	29.9530N	32.0990E	490	
Hagol	HAGS	Egypt	24.3794N	34.9866E	333	
HaGoshrim	GOSH	Israel	33.2196N	35.6240E	130	From 2018-02-27
Hague Volcano	HAG	Alaska,U.S.A.	55.3171N	161.9042W	503	From 1996-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Haha-jima-NKT	JHHJ	Bonin Islands,Japan	26.6297N	142.1780E	110	
Haha-jima-NKT2	JHH2	Bonin Islands,Japan	26.6328N	142.1757E	108	From 2013-04-01
Hahryggur	HAH	Iceland	64.1185N	21.2828W		
Haibara	HBR	Nara,Japan	34.5028N	135.9930E	390	
Haid-Arzberg	MHAI	Bayern,Germany	50.0225N	12.1762E	550	From 2001-03-13 to 2009-02-04
Haiduan	EHD	Taiwan region	23.1488N	121.2061E	290	From 2016-06-04
Haifa	HAF	Israel	32.7790N	35.0240E	179	
Hail	HAIA	Republic of Korea	34.9444N	128.1928E	39	From 2018-03-09
Ha'il	HILS	Saudi Arabia	27.3835N	41.7917E	1080	
Hailar	HIA	Nei Monggol Zizhiqu,China	49.2667N	119.7420E	610	From 1987-03-01
Hailar Array Beam Reference Point	HILR	China (Mainland)	49.5562N	119.7508E	720	
Hailey	HL2ID	Idaho,U.S.A.	43.5618N	114.4149W	1784	
Hailey	HL2	Idaho,U.S.A.	43.5618N	114.4149W		From 1964-03-01 to 1967-12-31
Hailey	HLID	Idaho,U.S.A.	43.5625N	114.4138W	1772	From 1998-08-10
Hailey	HL-ID	Idaho,U.S.A.	43.6472N	114.2506W	1890	From 1961-10-14 to 1964-03-07
Hailey	HL-	Idaho,U.S.A.	43.6472N	114.2506W	1890	From 1961-10-14 to 1964-03-07
Haileybury School of Mines	HSMO	Ontario,Canada	47.3708N	79.6657W	306	From 2005-07-20
Hailstone	HLJ	Utah,U.S.A.	40.6103N	111.4000W	1926	From 1992-10-22
Haines Junction	HYT	Yukon Territory,Canada	60.8250N	137.5040W	1416	
HAIS	HAIS	Kamchatskaya Oblast',Russia	60.9300N	166.8000E	175	
Haiwee	HAI	California,U.S.A.	36.1367N	117.9470W	1150	From 1929-09-11 to 1965-10-27
Haiwee Spring South	HWSM	California,U.S.A.	36.1050N	117.7610W	1436	From 1975-09-26
Haiwe Spring S	WHSM	California,U.S.A.	36.1050N	117.7610W	1436	From 1975-09-26
Hajar	HAJR	Saudi Arabia	22.8992N	39.6710E	732	
Hajjah	HAJJ	Yemen	15.6990N	43.5990E	1650	From 1994-11-01
Hakai Institute, Calvert Island	HAKB	British Columbia,Canada	51.6474N	128.1423W	40	From 2020-09-22
Hakkari	HKR	Turkey	37.5780N	43.7408E	1750	From 2004-06-18
HAKKARI	HAKT	Turkey	37.5579N	43.7071E	2153	From 2005-07-04
Hakkari_Yksekova	YOVA	Turkey	37.5871N	44.2896E	1946	From 2011-11-29
Hakmana	HALK	Sri Lanka	6.0885N	80.6805E	117	From 2011-05-12
Hakodate	HAK	O shima,Japan	41.8150N	140.7583E	35	
Hakodate 2	HAKJ	O shima,Japan	41.8333N	140.7783E	80	From 1992-02-25
Hakui	JJH	Ishikawa,Japan	36.9250N	136.7817E	35	
Halaksitan	HLD	Djibouti	11.5965N	42.4323E	-75	From 1979-09-23
Halanga-Turnu Severin	RMGR	Romania	44.6627N	22.6922E	113	From 2008-08-29
Halavar	MOLS	Armenia	40.7367N	44.4167E	1960	
Halavar	AIDS	Armenia	40.7783N	44.3800E	1800	
Haldarsvik	FHV	Faeroe Islands	62.2597N	7.0984W		
Haleakala	HKL	Hawaii,U.S.A.	20.7106N	156.2590W	3051	From 1975-01-01
Haleakala	HLK	Hawaii,U.S.A.	20.7583N	156.2479W	2132	From 1958-09-01
Haleban Array Beam Reference Point	HLBN	Saudi Arabia,Saudi Arabia	23.4000N	44.5000E		
Halema`uma`u Trail	HATHI	Hawaii,U.S.A.	19.4230N	155.2610W	1082	
Hale Pohaku	HPU	Hawaii,U.S.A.	19.7808N	155.4580W	3396	From 1969-08-18
Hales Grove, CA	HALS	California	39.8135N	123.7272W	553	From 2020-05-01
Haliburton	G53A	Ontario,Canada	45.1222N	78.6237W	333	From 2012-11-18
Halifax	HAL	Nova Scotia,Canada	44.6377N	63.5920W	64	From 1915-01-01
Halim	HALM	Morocco	31.7680N	9.4700W	0	
Hallabat	HLBJ	Jordan	32.0775N	36.3025E	827	From 1987-01-01
Halle	HLE	Sachsen-Anhalt,Germany	51.4979N	11.9569E	92	
Hallett	HTT	South Australia,Australia	33.4306S	138.9220E	708	From 1962-06-01
Halley Bay	HBA	Coats Land	75.5167S	26.6000W		
Hallie	T52A	Kentucky,U.S.A.	37.1076N	82.9852W	436	From 2012-05-15
Hallimjungang-ro	HALB	Republic of Korea	33.4019N	126.2729E	26	From 2012-12-28
Hall Mountain, Copeland	A11A	Idaho,U.S.A.	48.9580N	116.3631W	1455	From 2006-10-10 to 2008-06-12
Halls	HALT	Tennessee,U.S.A.	35.9106N	89.3395W	85	
Hall's Lagoon	HLA	New South Wales,Australia	33.5226S	150.9160E	27	
Hallstavik	HVK	Sweden	60.0090N	18.5660E	20	From 1980-01-01 to 1991-12-31
Halsa Church	NBB15	Norway	66.7435N	13.5776E	50	From 2013-08-01 to 2016-06-01
Halswell School	HALL	South Island,New Zealand	43.5909S	172.5695E	0	From 2011-08-24
Haltingen (BS)	HALTI	Switzerland	47.6069N	7.5933E	-295	From 2006-10-01
Hamada	HMD	Shimane,Japan	34.8933N	132.0730E	21	
Hamaker Mountain	HAMO	Oregon,U.S.A.	42.0690N	121.9710W	1999	From 1993-10-06
Hamakita	JHMK	Shizuoka,Japan	34.8162N	137.7587E	-700	From 2002-01-01
Hamamatsu	HMM	Shizuoka,Japan	34.7067N	137.7233E	33	
Hamamatsu 2	HMMJ	Shizuoka,Japan	34.8558N	137.7215E	150	From 1989-03-25
Hamarinn	IHAM	Iceland	64.4802N	17.8223W	1560	From 2014-08-22 to 2015-12-15
Hambach	BD05	Nordrhein-Westfalen,Germany	50.9366N	6.4832E	90	From 2001-01-01
Hambach Funkstation	BD08	Nordrhein-Westfalen,Germany	50.8842N	6.5017E	114	From 2001-01-01
Hamburg	HAM	Hamburg,Germany	53.4651N	9.9248E	30	From 1905-01-01
Hamburg	HMB	New York,U.S.A.	42.6545N	78.8525W	290	From 1971-09-01 to 1976-07-28
Hamburger Sternwarte	HAM4	Germany	53.4794N	10.2390E	10	From 2015-03-13
Hamburg/Geomatikum	HAM3	Germany	53.5682N	9.9739E	30	From 2009-01-09
Hamdab	MRWI	Sudan	18.6388N	32.0737E	295	
Hamden	M62A	Connecticut,U.S.A.	41.4423N	72.8939W	24	From 2013-09-12
Hamedan- Ghayesh	HGHA	Iran	35.4880N	48.8569E	1995	From 2018-12-16
Hamelton Butte	VHBM	Oregon,U.S.A.	42.7858N	121.3490W	1945	
Hamer Butte	HID	Idaho,U.S.A.	43.9631N	112.1640W	1527	From 1979-08-24 to 1999-08-25
Hamhung	HHU	Democratic People's Republic of Korea	39.9273N	127.5288E	30	From 1978-01-01
Hmikon, Dlikerfeld, LU	HAMIK	Switzerland	47.2451N	8.2706E	532	From 2013-12-09
Hamilton	HMT	Alaska,U.S.A.	60.3365N	144.2610W	620	From 1977-06-01
Hamilton	HNY	New York,U.S.A.	42.8318N	75.5148W	500	From 1974-07-01 to 1978-08-31
Hamilton	HML	Ontario,Canada	43.2500N	79.8500W		
Hamilton Boys High School	HBHS	North Island,New Zealand	37.7856S	175.2951E	40	From 2014-03-14
Hamilton Opening	GHOM	California,U.S.A.	39.0444N	123.5400W	687	
Hamilton Ranch	HMR	California,U.S.A.	38.1547N	121.8003W	65	From 1971-04-29
Hamilton Ranch, Breckenridge	133A	Texas,U.S.A.	32.6083N	98.9162W	418	From 2009-11-12 to 2011-09-08
Hamitkoy-Ladik(Samsun)	HKOY	Turkey	40.8920N	35.9883E	1106	From 2013-12-06
Hamley Bridge	HML1	South Australia,Australia	34.4034S	138.5889E	73	From 2007-03-28
Hamman Mousa	HAMM	Egypt	28.2763N	33.5778E		
Hammer	RHAM	Bayern,Germany	47.8040N	12.7200E	799	From 2001-04-09 to 2005-11-10
Hammerfest	HAMF	Norway	70.6424N	23.6843E	105	From 2010-06-11
Hammernes	N1R5	Norway	66.3870N	14.0330E	62	
Hammershus, Denmark	HAMD	Denmark	55.2700N	14.7690E	85	From 2018-04-04
Hamm, Michael-Ende-School	HMES	Nordrhein-Westfalen,Germany	51.6578N	7.7263E	56	From 2004-08-01
Hammonton	P61A	New Jersey,U.S.A.	39.6734N	74.7919W	22	From 2013-05-29
Hampaturi	R3BC1	Bolivia	16.4007S	68.0064W	4613	From 2021-04-13
Hampyeong	HMPA	Republic of Korea	35.1413N	126.6176E	36	From 2018-03-09
Hamra	HMRJ	Jordan	32.0450N	36.3110E	708	
Hamra	HMRA	Israel	32.1999N	35.4357E	-12	From 2018-02-20
Hamren	HMNA	Assam,India	25.9233N	92.6083E		From 1985-01-01
Hamsund	N2HS	Norway	68.1033N	15.5137E	15	From 2013-08-01 to 2016-05-30
Hamta	HMTJ	Jordan	32.2208N	35.8122E	550	From 1983-09-01 to 1984-09-30
Hamyang	HAMB	Republic of Korea	35.5115N	127.7456E	95	From 2012-11-02
Hanceville	HVA	Alabama,U.S.A.	34.0264N	86.7692W	195	
Handcock Road	HRRZ	North Island,New Zealand	38.3901S	176.2838E	590	From 2007-03-22
Haney	HNB	British Columbia,Canada	49.2744N	122.5790W	185	From 1980-06-20
Haney	HYC	British Columbia,Canada	49.2656N	122.5730W	150	From 1975-09-01 to 1980-07-04
Haney	HNBB	British Columbia,Canada	49.2873N	122.5729W	392	From 2013-11-21
Haney	HNYB	British Columbia,Canada	49.3055N	122.5793W	425	From 2020-08-28
Hanford	HAN	Washington,U.S.A.	46.6033N	119.4670W	329	
Hanford	HAWA	Washington,U.S.A.	46.3925N	119.5326W	364	
Hanford Gable Butte	HGB	Washington,U.S.A.	46.5977N	119.4620W	165	
Hania	HANT	Tunisia	35.8333N	10.3635E	165	
Hanimaadhoo	HMDM	Maldives	6.7731N	73.1822E	0	From 2008-01-22
Hanita	HNTI	Israel	33.0830N	35.1740E	301	
Hanksville Airport, Hanksville	R17A	Utah,U.S.A.	38.4187N	110.7109W	1357	From 2007-06-26 to 2009-03-10
HANLEY	HNLY	Jammu and Kashmir	32.7780N	78.9720E	4320	From 2018-06-08
Hanmer Springs Emergency Centre	HSES	South Island,New Zealand	42.5232S	172.8305E	377	From 2002-02-24
Hannah	HH-	Montana,U.S.A.	48.9481N	98.6925W	1100	From 1963-07-22 to 1964-08-05
Hannah	HH2	North Dakota,U.S.A.	48.9442N	98.6822W	488	From 1966-05-23
Hannah	HH-ND	Montana,U.S.A.	48.9481N	98.6925W	488	From 1963-07-22 to 1964-08-05
Hannah	HH2ND	North Dakota,U.S.A.	48.9442N	98.6822W	488	From 1966-05-23
Hanning Flat	WHFM	California,U.S.A.	35.6962N	118.3490W	902	
Hanno	JHU2	Saitama	35.8396N	139.2788E	133	From 2020-03-06
Hanno	JHU	Saitama,Japan	35.8517N	139.2817E	245	
Hanoi	HNV	Vietnam	21.0481N	105.7970E	6	
Hanover	HNH	New Hampshire,U.S.A.	43.7053N	72.2856W	180	From 1975-06-15
Han Pijesak,BIH	HAPS	Bosnia and Herzegovina	44.0862N	18.9507E	1199	
Hansel Valley	HVU	Utah,U.S.A.	41.7797N	112.7750W	1609	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hans M'sky res	HMSA	South Africa	23.7288S	30.6680E	474	
Hanson Quary Chicago	HQIL	Illinois,U.S.A.	41.7998N	87.8534W	193	From 2013-12-28
Hans Werner Braun Residence, San Diego	HWB	California,U.S.A.	33.0262N	116.9596W	478	
Hanuchal	HNL1	Pakistan	35.8390N	74.7080E	1440	From 2012-01-01
Hanur-Agry	AGRB	Turkey	39.5755N	42.9920E	1820	From 2006-11-21
Hanwell	HANN	New Brunswick,Canada	45.8818N	66.7677W	102	From 2013-01-13
Haoxl	IHOX	Iceland	63.9114N	16.6139W	423	From 2017-10-24
HAPCHEON	KSHAC	Republic of Korea	35.5572N	128.1699E	33	From 2000-12-05
Hapcheon Acc Borehole	HACA	Republic of Korea	35.4137N	128.1018E	115	From 2015-10-01
Happy Camp Mtn, Modoc Natn. Forest, Modoc City CA USA	HAPSA	California	41.4172N	121.1107W	1863	From 2021-06-01
Happy Creek Ranch, Winnemucca	M08A	Nevada,U.S.A.	41.4483N	118.3792W	1288	From 2006-02-14 to 2008-04-02
Happy Valley	D24K	Alaska,U.S.A.	69.1532N	148.8233W	292	From 2016-06-15
Haql	HAQS	Saudi Arabia	29.0500N	34.9200E	320	
Haql	HQL	Saudi Arabia	29.2700N	35.0469E	285	From 1986-01-01
Hara	HYNE	Ethiopia	9.3148N	42.0962E	1982	
HARA	HARA	Ethiopia	9.2858N	43.2782E	1905	
Harad	HRAD	Yemen	16.4167N	43.0500E	0	
Haradh	NHRD	Saudi Arabia	24.7220N	49.0150E	294	
Harads	HARU	Sweden	66.1635N	20.9752E	105	From 2006-09-19
Harare	HARE	Zimbabwe	17.7000S	31.0100E	1501	
Harban	HAR1	Pakistan	35.4270N	73.6200E	2038	From 2007-09-01
Harbor Island ANSS-SMO	HART	Washington,U.S.A.	47.5838N	122.3501W	2	From 2005-02-09
Harden Midland Farm, Stronghurst	N41A	Illinois,U.S.A.	40.7077N	90.8552W	226	From 2011-08-23
Harding Lake	HDA	Alaska,U.S.A.	64.4091N	146.9482W	437	From 1977-09-01
Hardington	K33A	Nebraska,U.S.A.	42.6052N	97.0012W	507	From 2010-07-20 to 2012-05-12
Hardivillers-en-Vexin	HARD	France	49.3047N	1.9440E	-12	From 2021-04-27
Hard Times	NEV	Nevis,Saint Kitts and Nevis	17.1361N	62.5710W	244	From 1980-07-09
Hardware Ranch	HWUT	Utah,U.S.A.	41.6069N	111.5652W	1830	
Hardware Ranch	HRUT	Utah,U.S.A.	41.6073N	111.5650W	1720	
Harewood	CACS	South Island	43.4848S	172.5299E	42	
Harewood	MNSD	South Island	43.4831S	172.4587E	65	
Hargill	035Z	Texas,U.S.A.	26.4630N	98.0683W	19	From 2010-01-09 to 2011-11-20
Harich	HARI	Armenia	40.6080N	44.0000E	1980	From 1994-11-01
Harihari Fire Station	HAFS	South Island,New Zealand	43.1489S	170.5561E	60	From 2002-04-18
Harlan Ranch	PHAM	California,U.S.A.	35.8360N	120.3980W	455	
Harlequin Lake	HQN	Alaska,U.S.A.	59.4517N	138.8770W	372	From 1974-10-01
Harlowton	E18A	Montana,U.S.A.	46.5663N	109.9137W	1459	From 2007-09-14 to 2009-09-08
Harm Buss Farm, Glidden	L36A	Iowa,U.S.A.	42.1009N	94.6676W	353	From 2010-11-07 to 2012-10-21
Harmony Heights	HHI	Idaho,U.S.A.	46.4757N	116.1470W	636	From 1971-10-01 to 1974-07-15
Harness Mountain	HSO	Oregon,U.S.A.	43.5258N	123.0900W	1020	From 1990-09-20
Haroharo	HARZ	North Island,New Zealand	38.0894S	176.5022E	740	From 1992-06-16 to 2004-04-30
Harold F. Ross	AHRM	California,U.S.A.	38.8543N	121.0700W	345	From 1976-01-29
Harper NE Station	KAN12	Kansas,U.S.A.	37.2974N	97.9980W	425	From 2014-05-08
Harpers Horsepen, Conroe	538A	Texas,U.S.A.	30.2219N	95.4900W	59	From 2010-01-28 to 2011-11-10
Harper SW Station	KAN16	Kansas,U.S.A.	37.2256N	98.0647W	435	From 2015-04-15
Harpoot	HARPO	Turkey	38.7167N	39.2666E	1310	From 1907-01-01 to 1909-12-31
Harrah City Hall	OK007	Oklahoma,U.S.A.	35.4877N	97.1612W	325	
Harraiya (Basti)	HRYA	India	26.7955N	82.4875E	81	From 2018-01-20
Harre	HARN	Nepal	28.4200N	81.6700E	1230	
Harrington	F57A	Quebec,Canada	45.8122N	74.6928W	178	From 2013-07-27
Harrisburg	HBAR	Arkansas,U.S.A.	35.5550N	90.6572W	74	
Harrisburg (Southeastern Illinois College)	HAIL	U.S.A.	37.7527N	88.4373W	123	
Harrisonburg	HBV	Virginia,U.S.A.	38.4383N	78.8725W	411	From 1971-06-01
Harrison Lake South	HLSB	British Columbia,Canada	49.2836N	121.7249W	18	
Harrison Mills	HRMB	British Columbia,Canada	49.2446N	121.9391W	3	
Harrison Substation	HAO	Oregon,U.S.A.	45.5092N	122.6567W	18	
Harris Ranch	HRC	California,U.S.A.	36.7700N	121.4130W	228	
Harrisville	H48A	Michigan,U.S.A.	44.7006N	83.3249W	244	From 2012-11-05
Harry Jones Memorial, Binghamton	L58A	New York,U.S.A.	42.0447N	75.8502W	447	From 2013-07-03
Harses	AHARE	Ethiopia	11.6072N	40.8840E	447	
Harsova	HARR	Romania	44.6900N	27.9310E	118	
Harstad	N2HA	Norway	68.7838N	16.5612E	14	From 2013-08-01 to 2016-05-30
Hartford	S47A	Kentucky,U.S.A.	37.5946N	86.8779W	181	From 2012-06-07
Hartford	HAR	Connecticut,U.S.A.	41.7500N	72.6833W		From 1947-01-01 to 1954-12-31
Hartland	HTL	England,United Kingdom	50.9944N	4.4850W	91	From 1981-05-01
HartRAO	HRAO	South Africa	25.8902S	27.6859E	1375	From 2014-10-01
Hart River	J30M	Yukon Territories,Canada	64.5753N	136.3304W	1419	From 2017-07-13
Harts Bluff	HBF	South Carolina,U.S.A.	32.9331N	80.3777W	10	From 1973-03-23
Hartsel	Q23A	Colorado,U.S.A.	38.9045N	105.8337W	2774	From 2008-06-25 to 2010-06-16
Hartselle	X48A	Alabama,U.S.A.	34.4517N	87.0452W	180	From 2011-12-14
Harvey Farm, Monticello	S19A	Utah,U.S.A.	37.7459N	109.1366W	2059	From 2007-06-23 to 2009-03-06
Harwood	Q59A	Maryland,U.S.A.	38.8644N	76.6548W	34	From 2013-04-19
Hasanabad	IHSB	Iran	35.4378N	51.2757E	1119	From 1996-01-01
Hasanabad, Azerbaijan	HASN	Azerbaijan	39.3281N	49.2053E	-31	From 2020-09-15
Hashikami	HSH	Iwate,Japan	40.4117N	141.5830E	355	
Hashim	HSHJ	Jordan	29.4210N	35.4000E	1100	From 1989-09-04
Hashtrud	IHSH	Iran	37.3050N	47.2630E	2805	From 1995-08-01
Haskell	Z32A	Texas,U.S.A.	33.3066N	99.4783W	427	From 2009-03-10 to 2011-02-10
Hasliberg/Brienz	HASLI	Switzerland	46.7568N	8.1512E	1280	From 1999-03-01
Hassan Addkhil	HAD	Morocco	31.9950N	4.4550W	1124	
Hassela	HASU	Sweden	62.1532N	16.6136E	100	From 2000-04-13
Hasselmere	SFH	England,United Kingdom	51.0604N	0.6912W	260	
Hastings	HT-	Minnesota,U.S.A.	44.8528N	92.8778W	274	From 1962-08-02 to 1962-10-05
Hastings	HAS	North Island,New Zealand	39.6382S	176.8385E	10	From 1931-02-01 to 1946-12-22
Hastings	HT-MN	Minnesota,U.S.A.	44.8528N	92.8778W	274	From 1962-08-02 to 1962-10-05
Hastings Civil Defence Headquarters	HCDS	North Island,New Zealand	39.6459S	176.8429E	18	From 2002-04-24
Hastings Reserve	HAST	California,U.S.A.	36.3887N	121.5514W	542	From 2004-07-19 to 2007-09-02
Hastings State Park	BHSM	California,U.S.A.	36.3558N	121.5400W	646	From 1975-09-04
Hata	HATH	Aomori,Japan	41.3011N	140.9643E	180	
hataedo	HTDA	Republic of Korea	34.3910N	125.2986E	56	From 2019-03-18
Hatay	HTY	Turkey	36.1212N	36.1378E	84	
Hatay-Arsuz	ASUZ	Turkey	36.2917N	35.7847E	9	From 2015-04-10
Hatay-Hassa-Hacılar	HASA	Turkey	36.7502N	36.4871E	480	From 2017-12-22
Hatay/Reyhanlı	RHAN	Turkey	36.2594N	36.6022E	260	From 2016-12-16
Hatchie Coon Island	HCI	Arkansas,U.S.A.	35.6950N	90.3450W	67	
Hat Creek	LHCM	California,U.S.A.	40.8050N	121.5140W	1020	
Hat Creek Radio Observatory, Hat Creek	HATC	California,U.S.A.	40.8161N	121.4612W	1013	From 2005-05-19 to 2007-09-07
Haterumajima	JHTJ	Ryukyu Islands	24.0620N	123.7778E	41	From 2021-01-21
Hateruma jima	HATJ	Ryukyu Islands,Japan	24.0567N	123.8050E	15	From 1992-02-24
Hatgal	HTG	Mongolia	50.4600N	100.1700E	1680	
Hathaway	HAWT	Missouri,U.S.A.	36.2256N	89.6596W	81	
Hatillo	SDD06	Dominican Republic	19.0363N	70.2135W	240	
Hatillo	HATIL	Costa Rica,Costa Rica	10.2987N	85.7000W	56	
Hat Mesa	HTMS	New Mexico,U.S.A.	32.4725N	103.6340W	1192	From 1991-01-01
Hato, Curacao	HATO	Venezuela	12.1803N	68.9579W	40	From 2013-12-01
Hato Mayor	HTM1	Dominican Republic	18.7629N	69.2559W	130	
Hato Mayor del Rey	HATOM	Dominican Republic	18.7879N	69.3811W	438	
Hatta, Dubai	HATD	United Arab Emirates	24.8257N	56.1321E	340	From 2006-05-17
Hattaushi	HTUJ	Hokkaido,Japan	43.2050N	145.3288E	75	From 1997-04-09
Hattorf	HAT	Hessen,Germany	50.8297N	9.9442E	-592	From 1980-01-01
Haudompre	HAU	Lorraine,France	48.0056N	6.3481E	577	
Haudompre, 88088 La Chapelle-aux-Bois, Vosges, Lorraine	HAUBX	France	48.0068N	6.3501E	567	From 2015-11-23
hauido	HEDA	Republic of Korea	34.6064N	126.0365E	43	From 2019-03-18
Hauiti	HIZ	North Island,New Zealand	38.5129S	174.8557E	237	From 2004-02-03
Haukadalur	IHAU	Iceland	63.9690N	19.9650W	96	From 1989-12-08
Haulerwijk	HWF4	Netherlands	53.0710N	6.3512E	-193	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF	Netherlands	53.0718N	6.3516E	6	
Haulerwijk	HWF3	Netherlands	53.0710N	6.3512E	-143	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF2	Netherlands	53.0710N	6.3512E	-93	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF1	Netherlands	53.0710N	6.3512E	-43	From 2010-11-24 to 2010-11-24
Haus	N2B5	Norway	61.9220N	5.5850E	30	
Hausauer Farms, Kief	C28A	North Dakota,U.S.A.	47.7157N	100.3871W	524	From 2009-08-13 to 2011-06-29
Hausen	HSND	Baden-Wurttemberg,Germany	48.3042N	9.1938E	709	From 1982-01-01 to 2020-02-01
Hausham, Bavaria	A141A	Germany	47.7528N	11.8490E	839	From 2016-01-20
Hautapu	HTPZ	New Zealand	35.3657S	174.0130E	247	From 2022-12-19
Hauterive	HTQ	Quebec,Canada	49.1917N	68.3939W	123	From 1982-04-15
Havdata, Cephalonia Island, Greece	HAVD	Greece	38.2036N	20.3848E	200	From 2022-04-13
Havelock	HVLK	Andaman Islands,India	12.0090N	92.9640E	60	From 2012-01-01
Havelock	HAVS	South Island,New Zealand	41.2723S	173.7847E	67	From 2013-04-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Havelock North	HNZ	North Island,New Zealand	39.6699S	176.8852E	18	From 1947-03-01 to 1953-03-31
Havelock North	HNHZ	North Island,New Zealand	39.6635S	176.8814E	10	From 1989-08-05 to 1997-08-04
Havelock North Primary School	HNPS	North Island,New Zealand	39.6710S	176.8801E	24	From 2002-04-26 to 2019-06-13
Havelock Quarry	HKNB	New Brunswick,Canada	45.9783N	65.3801W	164	From 2013-09-05
Havenscourt Bl Oakland	C063	California,U.S.A.	37.7651N	122.1891W	-40	From 2012-05-17
Haverah Park	HPK	England,United Kingdom	53.9581N	1.6241W	227	From 1978-01-01
Haverstraw	HAVE	New York,U.S.A.	41.2325N	74.1113W	268	
Havilah	WHVM	California,U.S.A.	35.5099N	118.5190W	971	
Havilah	HAV	California,U.S.A.	35.5100N	118.5170W	990	From 1952-07-01 to 1952-09-04
Havirov	HAVC	Czech Republic	49.7630N	18.4770E	0	
Havre	HV-MA	Montana,U.S.A.	48.4222N	109.8222W	884	From 1965-10-25 to 1967-12-10
Havre	HV-	Montana,U.S.A.	48.4222N	109.8222W	884	From 1965-10-25 to 1967-12-10
Havza	HAVZ	Turkey	41.0743N	35.7180E	575	From 2008-12-04
Hawaii-2 Observatory	H2O	North Pacific Ocean	27.8819N	141.9917W	-4947	
HawaiianBeaches	HBH	Hawaii,U.S.A.	19.5315N	154.8980W	92	
Hawaiian Volcano	HVO	Hawaii,U.S.A.	19.4211N	155.2930W	1240	From 1912-01-01
HAWAII INFRASONIC ARRAY REFERENCE POINT	I59US	Hawaii,U.S.A.	19.5915N	155.8936W	1076	From 2001-02-20
Hawaii Institute of Geophysics	HIG	Hawaii,U.S.A.	21.2847N	157.8190W	18	From 1964-05-01
Hawaii Isl. Ar.	HW-IS	Hawaii,U.S.A.	19.9803N	155.7056W	705	From 1963-07-24 to 1964-10-22
Hawaii Isl. Ar.	HW-	Hawaii,U.S.A.	19.9803N	155.7056W	705	From 1963-07-24 to 1964-10-22
Hawaii Preparatory Academy	HPAH	Hawaii,U.S.A.	20.0303N	155.6973W	755	
Haweek	HAWK	Syria	34.5211N	36.4055E	1000	From 1995-09-01
Hawera High School	HWHS	North Island,New Zealand	39.5851S	174.2742E	110	From 2002-03-12 to 2019-07-08
Hawker	HKER	South Australia,Australia	31.7642S	138.5524E	440	
Hawkesbury	HWKO	Ontario	45.6068N	74.6028W	90	From 2019-02-14
Hawkesdale P12 School	AUHPC	Victoria,Australia	38.1100S	142.3200E	11	From 2013-05-18
Hawkins Drive San Ramon	C045	California,U.S.A.	37.7496N	121.9620W	138	From 2010-08-11
Hawksbury Island	HWKB	British Columbia,Canada	53.5984N	129.1544W	778	From 2014-08-21
Hawk's Nest	HWKN	South Australia,Australia	29.9578S	135.2035E	180	From 1981-06-22
Hawks Nest	HKN	South Australia,Australia	30.0117S	135.1867E	171	
Hawk Springs	HK-	Wyoming,U.S.A.	41.6958N	104.3569W	1494	From 1962-07-17 to 1962-10-05
Hawk Springs	HK-WY	Wyoming,U.S.A.	41.6958N	104.3569W	1494	From 1962-07-17 to 1962-10-05
Hawk`s Rest	YHR	Wyoming,U.S.A.	44.1060N	110.0816W	2976	From 2014-08-28
Hawqa	HWQ	Lebanon	34.2780N	35.9463E	1161	From 2001-02-01
Hawthorne Fire Tower	HAW	South Carolina,U.S.A.	33.3600N	81.6100W	112	From 2010-03-11
Haydariye	HYDR	Turkey	40.5132N	29.1270E	392	From 2006-01-17
Hayden	HAYD	Colorado	40.5200N	107.2600W	2200	From 2018-07-15 to 2038-07-15
Hayder	URD10	Saudi Arabia	28.1700N	37.0973E	958	
Hayfield	HAY	California,U.S.A.	33.7074N	115.6839W	413	From 1956-06-20
Hayfork Bally	KHBM	California,U.S.A.	40.6602N	123.2190W	1885	
Hayirsizada Cinnet	HYRS	Turkey	40.7900N	29.2617E	0	From 2009-01-01
Hayna, Turnverein	INS5	Germany	49.1290N	8.2034E	128	From 2012-09-25
Hayogev	HYGV	Israel	32.6107N	35.2011E	126	From 2018-11-05
Hayseed and Buckwheat Dairy Farm	HBDB	British Columbia,Canada	49.1697N	122.2135W	6	
Hay Springs	HS-NB	Nebraska,U.S.A.	42.4256N	102.7144W	1158	From 1962-05-09 to 1962-06-28
Hay Springs	HS-	Nebraska,U.S.A.	42.4256N	102.7144W	1158	From 1962-05-09 to 1962-06-28
Haystack Butte	HYS	California,U.S.A.	34.8638N	117.5690W	867	
Haystack Fork	HAYW	Wyoming,U.S.A.	43.6396N	110.3320W	2835	From 1990-09-01 to 2007-08-07
Haystack Lookout	HTW	Washington,U.S.A.	47.8035N	121.7690W	829	From 1975-06-11
Hayter Ranch, Fort Stockton	427A	Texas,U.S.A.	30.8498N	103.4018W	1031	From 2008-03-16 to 2010-02-12
Hayti	HATI	Missouri,U.S.A.	36.1770N	89.6760W	83	
Hazelwood Elementary School	RHAZ	Washington,U.S.A.	47.5405N	122.1857W	10	
Hazeva	HZVA	Israel	30.7675N	35.2801E	131	From 2018-07-03
Hazlehurst	255A	Georgia,U.S.A.	31.9263N	82.4758W	45	From 2012-04-04
Hazorchashma	HAZOR	Tajikistan	39.0430N	70.2836E	1632	From 1959-08-04
Headley	HEA	England,United Kingdom	51.3583N	1.2639W	114	
Headquarters	HDQ	Colorado,U.S.A.	39.5583N	105.0790W	1683	From 1973-01-01 to 1976-11-30
Healdsburg	NHBM	California,U.S.A.	38.5893N	122.9090W	165	From 1975-02-21
Health center, Dolo Mena	DLMN	Ethiopia,Ethiopia	6.4242N	39.8557E	1254	From 2014-04-20 to 2017-12-01
Health Center, Gidami	GIDAE	Ethiopia,Ethiopia	8.9797N	34.6103E	1901	From 2014-03-23 to 2017-12-01
Heard Island	HII	Heard Island,Australia	53.0200S	73.3850E	10	
Hearst Castle	PHCM	California,U.S.A.	35.6822N	121.1530W	514	
Heathcote Valley Primary School	HVSC	South Island,New Zealand	43.5798S	172.7094E	25	From 2008-05-12
Heath Steele Mine	HSNB	New Brunswick,Canada	47.2769N	66.0601W	337	From 2017-09-26
Hebbronville	034A	Texas,U.S.A.	27.0647N	98.6833W	155	From 2010-01-08 to 2011-11-17
Hebbronville	HBVL	Texas,U.S.A.	27.0650N	98.6696W	155	From 2017-02-15
Heber	HR-	Arizona,U.S.A.	34.6697N	110.7664W	1875	From 1964-07-10 to 1965-10-04
Heber	HR-AZ	Arizona,U.S.A.	34.6697N	110.7664W	1875	From 1964-07-10 to 1965-10-04
Heber	HEB	Utah,U.S.A.	40.5015N	111.3358W	1925	
Hebgen Lake	YHL	Montana,U.S.A.	44.8509N	111.1830W	2691	From 2011-09-02
Hebgen Ridge	YPHR	Idaho,U.S.A.	44.8523N	111.3160W	2060	
Hebron	O33A	Nebraska,U.S.A.	40.0755N	97.5845W	480	From 2010-05-19 to 2012-04-18
Hecla	F31A	South Dakota,U.S.A.	45.8598N	98.2525W	412	From 2010-09-07 to 2012-06-07
Hector,Ludlow	HEC	California,U.S.A.	34.8294N	116.3350W	920	From 1997-08-01
Heda	HDAN	Shizuoka,Japan	34.9620N	138.8201E	250	
Heda	HEDN	Shizuoka,Japan	34.9591N	138.8126E	160	
Hedekas	HED	Sweden	58.6800N	11.7780E	78	From 1980-01-01 to 1991-12-31
Hedge Avenue Brentwood	C057	California,U.S.A.	37.9555N	121.6979W	24	From 2012-02-02
Heerbrugg, Kantonsschule SG	SHEK	Switzerland	47.4158N	9.6279E	402	From 2015-12-01
Heerlen	HEE	Netherlands	50.8850N	5.9817E	115	From 1926-04-18 to 1981-01-01
Heflinger Ranch	PHFM	California,U.S.A.	35.8816N	120.4016W	457	
Hefner Road	OK003	Oklahoma,U.S.A.	35.5493N	97.3358W	354	
Hegura jima	JHG	Ishikawa,Japan	37.8483N	136.9200E	12	
Heguri	JHE	Nara,Japan	34.6535N	135.6850E	260	
Hehuan Shan	WHF	Taiwan region	24.1450N	121.2650E	3395	
Heidelberg (Koenigstuhl)	HEI	Baden-Wurttemberg,Germany	49.3991N	8.7274E	560	From 1959-01-01 to 2020-02-01
Heidelberg, Weststadt	HEID	Baden-Wurttemberg	49.4025N	8.6880E	111	From 2016-01-01
Heidenheim-Charlottenhoehle	HDH	Baden-Wurttemberg,Germany	48.5832N	10.2048E	504	From 1996-01-01
HeiHe	HEH	Heilongjiang	50.2534N	127.4127E	215	From 2009-01-01
Heiheiahulu	HUL	Hawaii,U.S.A.	19.4188N	154.9790W	369	
Heiheiahulu Digital	HULD	Hawaii,U.S.A.	19.4160N	154.9750W	368	
Heilbronn	HEIN	Baden-Wurttemberg	49.1379N	9.2363E	198	From 2017-01-01
Heimansgroeve	HGN	Netherlands	50.7640N	5.9317E	135	From 1993-03-01
Heimerzheim	BA15	Nordrhein-Westfalen,Germany	50.7117N	6.9275E	157	From 2006-10-01
Heinrich-Robert Mine	HRH	Nordrhein-Westfalen,Germany	51.6234N	7.7527E	-888	
Heinsberg	BA13	Nordrhein-Westfalen,Germany	51.0707N	6.0753E	42	From 2006-10-01
Heioarbar	IHEI	Iceland	64.2000N	21.2360W	162	From 1989-12-13
Hejung	EHC	Taiwan region	24.2680N	121.7330E	11	
Hekla-Austur-2	IHEB	Iceland	63.9968N	19.6468W	1328	From 2018-10-23
Hel	PHL	Poland	54.6080N	18.8170E	1	
Helez	HLZ	Israel	31.6000N	34.6400E	100	
Helfaut	HELF	Nord-Pas-de-Calais	50.7048N	2.2393E	47	From 2014-01-01
Helgoland	HLG	Schleswig-Holstein,Germany	54.1847N	7.8839E	41	
Hella	IHLA	Iceland	65.9440N	18.3870W	37	From 1995-02-01
Hells Half Acre	HHAI	Idaho,U.S.A.	43.2950N	112.3790W	1391	
Helmeringhausen	HELM	Namibia	25.8806S	16.8280E	1157	
Helmstadt-Bargen-Flinsbach	FLIN	Baden-Wurttemberg	49.3058N	9.0071E	226	From 2016-05-01 to 2018-11-01
Helmville	HLM	Montana,U.S.A.	46.8894N	112.9330W	1365	From 1974-09-03 to 1976-10-04
Helsinki	HEL	Finland	60.1756N	24.9570E	20	
Helsinki	HEL4	Finland	60.2454N	24.8061E	40	From 2016-12-08
Helsinki	HEL3	Finland	60.1732N	24.8243E	5	From 2016-12-08
Helsinki	HEL2	Finland	60.1875N	24.8311E	5	From 2016-09-21
Helsinki	HEL1	Finland	60.1771N	24.8825E	5	From 2016-09-10
Helsinki, Munkkiniemi	MUH	Finland	60.2005N	24.8588E	-743	From 2022-09-19
Helvecia	PKS5	Hungary	46.8092N	19.5547E	119	
Helvecia	HSFA	Santa Fe,Argentina	31.1028S	60.1108W	90	
Helwan	HLW	Egypt	29.8583N	31.3417E	135	From 1903-01-01
Hemet	HMTC	California,U.S.A.	33.7088N	117.0039W	582	
Hempstead	HE-	Texas,U.S.A.	30.1997N	96.0919W	67	From 1963-07-25 to 1964-03-16
Hempstead	HE-TX	Texas,U.S.A.	30.1997N	96.0919W	67	From 1963-07-25 to 1964-03-16
Hemsoen	HEMU	Sweden	62.6760N	18.0359E	100	From 2000-04-13
Hendek	HENT	Turkey	40.8231N	30.8992E	583	
Henderson Mound	HENM	Missouri,U.S.A.	36.7160N	89.4717W	88	
Hengchuen, Pingtung county	TSEB	Taiwan region	21.9000N	120.9000E	0	From 2005-01-01
Hengchun	TWKBT	Taiwan region	21.9406N	120.8125E	90	From 1996-03-21
Hengchun	TWK1	Taiwan region	21.9433N	120.8053E	90	From 1978-01-15
Hengchun	HEN	Taiwan region	22.0055N	120.7381E	22	
Heniu Mare	HNM	Romania	47.2775N	24.7339E	1580	From 1982-09-01 to 1989-01-01
Henniker	J62A	New Hampshire,U.S.A.	43.2262N	71.8127W	266	From 2013-09-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Henry Mountain	HMU	Utah,U.S.A.	37.9380N	110.7418W	2430	From 2005-11-17
Heoinshofoi	IHED	Iceland	66.0810N	17.3100W	75	From 2000-09-25
Hepburn Lake, NWT	HPLN	Northwest Territories,Canada	66.3485N	115.3232W	479	From 2009-07-16
Heping	ST25	Xizang Zizhiqu,China	32.5373N	88.9403E	4601	From 1998-07-26 to 1999-01-16
Heping Village	EHP	Taiwan region	24.3100N	121.7410E	200	From 2001-05-01
Hepp	HPP	Alaska,U.S.A.	64.7905N	147.9590W	170	From 1971-11-09 to 1976-06-30
Herakleio	HER3	Crete,Greece	35.3296N	25.1065E	5	From 2012-09-15
Herakleio	HRKL	Crete,Greece	35.3115N	25.1017E	90	From 2013-03-09
Herakleio	HER1	Crete,Greece	35.3172N	25.1021E	60	From 2012-10-15
Herakleio	HER2	Crete,Greece	35.3379N	25.1355E	36	From 2012-09-15
Heraklion	IACM	Crete,Greece	35.3058N	25.0709E	43	From 2009-11-28
Herat	HRA	Afghanistan	34.3868N	62.2438E	1917	From 2012-12-12
Herceg Novi	HCY	Montenegro	42.4473N	18.4938E	321	From 1983-12-25
Herculane	HERR	Romania	44.8810N	22.4160E	246	From 2011-01-11
Hercules	HERB	California,U.S.A.	38.0124N	122.2622W	-18	
Herd Peak	LHEM	California,U.S.A.	41.6285N	122.2190W	2155	From 1981-01-15
Heredia	HDC	Costa Rica	10.0013N	84.1140W	1150	From 1984-03-17
Heredia	EDIA	Costa Rica,Costa Rica	9.9990N	84.1240W	1181	
Heredia 2	HDC2	Costa Rica	10.0237N	84.1167W	1220	From 1985-01-01
Heredia 3	HDC3	Costa Rica	10.0021N	84.1114W	1175	From 2008-10-20
Heredia 4	HDC4	Costa Rica	10.0020N	84.1113W	1175	
Heredia 5	HDC5	Costa Rica	10.0020N	84.1120W	1154	
Heredia, Mercedes	HEME	Costa Rica	9.9953N	84.1368W	1120	
Hereke	HRT	Turkey	40.8217N	29.6680E	645	From 1980-01-01
Hereke-Izmit	HRTX	Turkey	40.8010N	29.6730E	573	From 2011-10-01
Hrmence, Route du Solitaire, VS	SHER	Switzerland	46.1853N	7.3959E	1495	From 2016-12-21
Hergersweiler	INS3	Germany	49.0966N	8.0821E	140	From 2012-09-18
Heris	IHRS	Iran	38.3183N	47.0420E	2100	From 1995-08-01
Herkenbosch	HKB	Netherlands	51.1889N	6.1684E	74	
Herlindestollen, Grillenberg, Lower Austria	PYNA	Austria	47.6958N	15.8878E	643	From 2023-10-30
Hermanus	HER	Cape Province,South Africa	34.4250S	19.2250E	26	
Hermiston	HRO	Oregon,U.S.A.	45.8357N	119.3810W	172	
Hernandez Reservoir, Idria	U04C	California,U.S.A.	36.3627N	120.7828W	812	From 2004-12-05 to 2007-12-11
Hernandez Valley	HVC	California,U.S.A.	36.3730N	120.8190W	750	From 1969-11-26
Hernandez Valley	PHRM	California,U.S.A.	36.3730N	120.8190W	750	From 1969-11-26
Hernando Brdge	HDBT	Tennessee,U.S.A.	35.1534N	90.0581W	66	
Herne Bay Borehole	HBAZ	North Island,New Zealand	36.8501S	174.7304E	-44	From 2009-08-06
Heroes del Desierto, CAL	CALMX	Baja California	32.2928N	116.5255W	378	
Heron Place, Grans Saline	137A	Texas,U.S.A.	32.5973N	95.7559W	141	From 2010-02-24 to 2012-01-22
Herrenchiemsee, Bavaria	A145A	Germany	47.8673N	12.3960E	537	From 2016-01-19
Herstmonceux	HMNX	England,United Kingdom	50.8674N	0.3363E	26	From 2009-05-16
Herxheim Wasserbehaelter	INS7	Germany	49.1600N	8.2120E	155	From 2012-11-16
Hesingue, 68135, Haut-Rhin, Alsace	STHE	Alsace	47.5844N	7.5422E	275	From 2013-09-18
Hesperia	PHSM	California,U.S.A.	35.8238N	121.0538W	451	
Hesperia Broadband	PHSB	California,U.S.A.	35.8240N	121.0539W	475	
Hestalda	IHES	Iceland	64.0468N	19.5604W	529	From 2016-09-09
Hetta	HEF	Finland	68.4080N	23.6600E	380	From 2006-11-01
Heuchelheim BoxerKlub	INS1	Germany	49.1483N	8.0462E	196	From 2012-11-19
Heukewalde	HKWD	Thuringen,Germany	50.8298N	12.2681E	317	From 2008-05-06
Heuksando	KSHUK	Republic of Korea	34.6838N	125.4518E	79	From 1999-04-18
Heuksan-myeon	HUK2	Republic of Korea	34.6871N	125.4504E	95	From 2011-12-19
Hexham	HEXM	Victoria,Australia	37.9280S	142.7780E	220	
Heybeliada	HYBL	Turkey	40.8680N	29.0816E	32	From 2011-04-21
Heybeliada-Istanbul	HYBA	Turkey	40.8754N	29.0854E	65	From 2012-09-12
Heyderabad	HYR	Azerbaijan	39.7190N	44.8520E	848	From 2011-11-30
Hialeah	RB28C	Managua,Nicaragua	12.1228N	86.2771W	130	From 2018-02-17 to 2019-02-28
Hiawatha	HWK	Kansas,U.S.A.	39.8022N	95.4965W	320	From 1978-10-05 to 2001-07-15
Hibok Hibok	VHH	Mindanao,Philippines	9.2330N	124.6720E	250	From 1993-01-01
Hickman	HICK	Kentucky,U.S.A.	36.5409N	89.2288W	141	
Hickman	RSCN	Kentucky,U.S.A.	36.5680N	89.1067W	85	From 1991-05-10
Hickman	HLLM	Kentucky,U.S.A.	36.5358N	89.1607W	85	From 1989-12-13 to 1992-02-05
Hickory Valley	W45A	Tennessee,U.S.A.	35.1568N	89.1860W	187	From 2011-05-17 to 2013-03-07
Hicks Bay	HBZ	North Island,New Zealand	37.5974S	178.3015E	100	From 1985-06-28 to 2004-03-02
Hicks Ranch, Ibapah	O13A	Utah,U.S.A.	40.1314N	113.9814W	1573	From 2007-02-21 to 2008-09-01
Hidaka	HDK	Wakayama,Japan	33.9259N	135.1390E	30	From 1965-01-01 to 1974-04-03
Hidaka-Cho	HIC	Hidaka,Japan	42.8915N	142.4573E	330	From 1976-07-01
Hidakashinhidaka	JSHD	Hokkaido,Japan	42.4098N	142.4667E	79	From 2012-07-01
Hidalgo, CPN	CPNMX	Baja California	32.4308N	115.2500W	8	
Hidalgo, CSO	CSOMX	Baja California	32.4477N	115.2550W	8	
Hidalgo, GEO	GEOMX	Baja California	32.4000N	115.2400W	8	
Hidalgo Marine Base	HDB	California,U.S.A.	34.4008N	116.2874W	875	
Hidalgo Mountain	HDG	California,U.S.A.	34.4289N	116.3058W	1302	From 1974-04-01 to 2010-04-28
Hidden Bay	AD4	Alaska,U.S.A.	51.6986N	176.6320W	213	From 1974-01-01 to 1992-02-01
Hidden Dam	MHDM	California,U.S.A.	37.1171N	119.8950W	147	
Hidden Lake	HKP	Pennsylvania,U.S.A.	41.0382N	75.0617W	337	From 1973-02-01 to 1974-07-31
Hierbabuena	HIER	Ecuador	2.7200S	79.4200W	2800	
Hierro	EHRO	Spain	27.7535N	18.1106W	135	
Higginbotham Farm, Almira	C08A	Washington,U.S.A.	47.7849N	119.0454W	783	From 2006-09-21 to 2008-05-14
Highbank	STLD	South Island	43.6108S	171.8263E	230	
Highclere	BDH	Barbados	13.2030N	59.5890W	308	From 1978-11-19
Highcliff Hill	HHSZ	South Island,New Zealand	45.8843S	170.5978E	375	From 2006-04-08 to 2008-06-26
Highgate Road Kensington	C066	California,U.S.A.	37.9132N	122.2858W	153	From 2012-11-26
High Heaven	VHHM	Oregon,U.S.A.	45.2647N	123.3090W	533	
High Hole Crater	LHHM	California,U.S.A.	41.5228N	121.5325W	1890	
High Hoyland	HHWY	England,United Kingdom	53.5867N	1.5974W	205	
Highland	HLNC	California,U.S.A.	34.1213N	117.2190W	236	
Highland Ranch	HLR	Colorado,U.S.A.	39.5372N	104.9740W	1782	From 1973-01-01 to 1976-11-30
Highland Springs	GHLM	California,U.S.A.	39.0405N	123.0190W	956	From 1975-06-01
Highlands Station	HLRZ	North Island,New Zealand	38.2519S	176.3522E	576	From 2008-12-03
High Level	HILA	Alberta,Canada	58.5561N	117.0203W	329	From 2009-10-19
Highline Community College ANSS-SMO	HICC	Washington,U.S.A.	47.3899N	122.2991W	115	From 2001-06-27
High School, Bahir Dar	BAHR	Ethiopia,Ethiopia	11.5603N	37.3837E	1814	From 2014-04-03 to 2017-12-01
High School, Debark	DAQU	Ethiopia,Ethiopia	13.1448N	37.8976E	2861	From 2014-04-02 to 2017-12-01
High School, Hidabu Tobi	HDBU	Ethiopia,Ethiopia	9.3760N	35.6513E	1940	From 2014-03-21 to 2017-12-01
High School, Mendi	MEND	Ethiopia,Ethiopia	9.7867N	35.1115E	1700	From 2014-03-21 to 2017-12-01
High Valley	GHVM	California,U.S.A.	39.0850N	122.7340W	1036	
Higuera	EHIG	Spain	28.5567N	17.8062W	845	
Higuey	HGY1	Dominican Republic	18.5930N	68.7169W	141	From 2011-11-13
Higuey Centro	HIDR	Dominican Republic	18.5917N	68.7169W	90	From 2013-03-12
Hikami	HMTD	Hyogo,Japan	35.2265N	135.0435E	250	
Hikimi	JHIK	Shimane,Japan	34.5313N	131.9292E	350	From 1997-12-01
Hikinohira	HIKD	Kagoshima,Japan	31.5803N	130.6439E	550	
Hikone	HIK	Shiga,Japan	35.2733N	136.2470E	87	
Hile	HILE	Nepal	27.0482N	87.3242E	2088	From 2002-05-31 to 2002-12-30
Hilina Pali	HLP	Hawaii,U.S.A.	19.2960N	155.3080W	707	From 1970-09-01
Hill Air Force Base, Hill AFB, UT, USA	HAFB	Utah,U.S.A.	41.1179N	111.9759W	1471	From 2012-05-03
Hillesheim	HILG	Rheinland-Pfalz,Germany	50.2918N	6.6788E	500	From 1998-01-01
Hilliard	456A	Florida,U.S.A.	30.7248N	82.0223W	26	From 2012-02-04
Hill Island	HLIO	Ontario	44.3657N	75.9543W	40	
Hillman	G47A	Michigan,U.S.A.	45.1730N	83.8551W	239	From 2012-11-11
Hillmorton High School	HHSS	South Island,New Zealand	43.5575S	172.5928E	10	From 2011-12-12
Hillsboro	R51A	Kentucky,U.S.A.	38.3001N	83.5834W	231	From 2012-06-27
Hillsdale 1, Hillsdale	L61A	New York,U.S.A.	42.1934N	73.5543W	275	From 2013-09-14
Hill Springs, Alberta	HSPGA	Alberta,Canada	49.3593N	113.6523W	1154	From 2014-07-31
Hilltop Ranch, Iowa Park	Y33A	Texas,U.S.A.	34.0081N	98.6256W	321	From 2009-11-08 to 2011-09-07
Hilo	HIL	Hawaii,U.S.A.	19.7178N	155.0878W	26	From 1922-01-01 to 2000-11-09
HILR ARRAY SITE A0	HIA0	China,China	49.5436N	119.7452E	672	From 2017-06-27
HILR ARRAY SITE A1	HIA1	China,China	49.5464N	119.7452E	670	From 2008-10-16
HILR ARRAY SITE A2	HIA2	China,China	49.5392N	119.7429E	651	From 2008-10-16
HILR ARRAY SITE A3	HIA3	China,China	49.5450N	119.7393E	716	From 2008-10-16
HILR ARRAY SITE AB	HIAB	China,China	49.5450N	119.7392E	716	From 2017-10-17
HILR ARRAY SITE B1	HIB1	China,China	49.5561N	119.7507E	675	From 2008-10-16
HILR ARRAY SITE B2	HIB2	China,China	49.5415N	119.7702E	638	From 2008-10-16
HILR ARRAY SITE B3	HIB3	China,China	49.5245N	119.7458E	604	From 2008-10-16
HILR ARRAY SITE B4	HIB4	China,China	49.5314N	119.7255E	667	From 2008-10-16
HILR ARRAY SITE B5	HIB5	China,China	49.5545N	119.7268E	607	From 2008-10-16
HILR ARRAY SITE BB	HIBB	China,China	49.5561N	119.7507E	675	From 2008-10-16
Hilton	J55A	New York,U.S.A.	43.2657N	77.8167W	97	From 2012-12-12
Hilton Creek	HTCR	California,U.S.A.	37.5298N	118.7710W	3012	From 1984-07-19

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Himara	HIMA	Albania	40.0889N 19.7582E	139	From 2014-12-19
Himeji	HIM	Hyogo,Japan	34.8367N 134.6733E	39	
Himekami	HMK	Iwate,Japan	39.8483N 141.2467E	586	
Hinai	JAH	Akita,Japan	40.1887N 140.6358E	140	
Hinchinbrook Island	HIN	Alaska,U.S.A.	60.3968N 146.5020W	611	From 1974-10-03
Hinckley	HKM	Maine,U.S.A.	44.6564N 69.6408W	79	
Hinckley Reservation	HINO	Ohio	41.2222N 81.6989W	369	From 2021-06-09 to 2500-12-31
Hindmarsh Valley	HMV1	South Australia,Australia	35.4903S 138.6369E	95	From 2008-12-28
Hinemaiaia	HATZ	North Island,New Zealand	38.8908S 176.0921E	506	From 1985-05-01
Hines	J07A	Oregon,U.S.A.	43.3736N 119.3105W	1273	From 2006-06-20 to 2008-04-04
Hinesburg	HBVT	Vermont,U.S.A.	44.3623N 73.0650W	342	
Hingarae	HITZ	North Island,New Zealand	38.7069S 175.7665E	458	From 1984-12-01 to 1991-06-21
Hinohara	HHR	Tokyo,Japan	35.7353N 139.0764E	595	
Hino-misaki	HNMJ	Wakayama,Japan	33.8811N 135.0661E	191	
Hinrichs Farm, Grantsburg	F37A	Wisconsin,U.S.A.	45.7243N 92.6264W	296	From 2011-08-28 to 2013-07-10
Hinsdale	L55A	New York,U.S.A.	42.1831N 78.4368W	633	From 2013-01-24
Hinteralfeld	HINF	Lorraine,France	47.8167N 6.8531E	720	From 1996-04-03
Hinton	HWV	West Virginia,U.S.A.	37.5906N 80.8408W	521	From 1978-04-01 to 1998-12-31
Hinze Dam	HINZ	Queensland,Australia	28.0511S 153.2807E	140	
Hiratsu	HRTT	Yamagata,Japan	39.0100N 139.9400E	40	
Hirodai	HRD	Aomori,Japan	40.5842N 140.4773E	50	
Hirogawara	HRG	Shizuoka,Japan	35.1584N 139.0586E	285	
Hiroka	JHK	Fukushima,Japan	37.2483N 139.0170E	195	From 1994-04-01
Hiroo	HOO	Tokachi,Japan	42.2917N 143.3200E	32	
Hiroo 2	HOOJ	Tokachi,Japan	42.3833N 143.2870E	-1	
Hirosakihyakuzawa	JHHS	Aomori,Japan	40.6518N 140.3590E	220	From 2012-07-01
Hiroshima	HIR	Hiroshima,Japan	34.3633N 132.4370E	30	From 1935-01-01
Hiroshima	HIR1	Hiroshima,Japan	34.3950N 132.4650E	-4	From 1987-12-23
Hiroshima 2	HIRJ	Hiroshima,Japan	34.4283N 132.5650E	412	From 1988-03-22
Hiroshima-ondo	JHMO	Hiroshima	34.1809N 132.5301E	54	From 2020-03-13
Hirschenstein, Niederoesterreich	A022A	Austria	48.6348N 14.7326E	777	From 2015-09-07
Hirsch Vineyards	HRCH	California	38.5756N 123.2443W	376	From 2022-09-07
Hirz Mountain	LHMM	California,U.S.A.	40.8968N 122.2450W	1064	
Hisarcik	HIS	Turkey	40.4687N 29.9313E	970	From 1993-01-01
Hisarkoy	HSY	Cyprus	35.1734N 33.0552E	257	From 2005-05-11
Hitachi	JHO	Tochigi,Japan	36.6108N 140.5690E	215	From 1995-04-01
Hitachinakayamanoue	JHYU	Ibaraki,Japan	36.3405N 140.5868E	20	From 2012-07-01
Hittiya	HITJ	Jordan	29.7430N 35.8410E	1235	From 1989-10-29
Hiyama	JHY	Hiyama,Japan	41.6777N 140.0573E	30	
Hiyamasetana	JHST	Hokkaido,Japan	42.4225N 139.8767E	20	From 2012-07-01
Hiyu Mountain	HIYU	Oregon,U.S.A.	45.4352N 121.8074W	1418	From 2013-11-19
HIZO	HIZO	Bolivia	19.6064S 68.3233W	3688	From 1994-05-30 to 1995-08-08
Hjoernedal	HJO	Greenland	70.3520N 28.1640W	40	From 2000-08-15 to 2002-08-12
HLFA	HLFA	Sudan	21.8157N 31.4068E	233	
Hljabovo	BG11A	Bulgaria	42.0614N 26.2549E	339	From 2022-06-16
H. Mason	HMO	Oregon,U.S.A.	45.5381N 122.5720W	64	From 1975-01-01
Hnaberd	HNAZ	Armenia	40.6330N 44.1440E	2150	
Ho	HOGH	Ghana	6.6092N 0.4450E	372	From 1987-01-01
Hoa Binh	HBV2	Vietnam	20.7962N 105.3387E	80	
Hoa-Binh	HBVN	Vietnam	20.8259N 105.3520E	30	From 1979-07-27
Hoadley Peaks	LHOM	California,U.S.A.	40.6852N 122.7500W	1378	
Hoarfrost River	HFRN	Northwest Territories,Canada	62.8617N 109.2777W	153	From 2011-07-12
Hobart	HB-OK	Oklahoma,U.S.A.	35.1764N 98.9103W	491	From 1961-11-09 to 1963-04-10
Hobart	FNT	Tasmania,Australia	42.9265S 147.3540E	184	From 1957-01-01 to 1962-12-31
HOBART INFRASONIC ARRAY REFERENCE POINT	I05AU	Tasmania,Australia	42.4908S 147.6806E	350	From 2003-03-29
Hobart Mills	HBT	California,U.S.A.	39.4267N 120.1630W	1804	From 1973-04-01
Hobart Mills	HBM	California,U.S.A.	39.4017N 120.1530W	1804	From 1970-03-24 to 1973-04-30
Hobart (Okla)	HB-	Oklahoma,U.S.A.	35.1764N 98.9103W	491	From 1961-11-09 to 1963-04-10
Hobbs	HHAR	Arkansas,U.S.A.	36.2817N 93.9399W	421	
Hobson	EF03	Texas	28.9470N 97.9804W	96	From 2018-06-08
Hochfeld	HOCHN	Namibia	21.4902S 17.8531E	1560	
Hochheid	FSH	Rheinland-Pfalz,Germany	50.0763N 7.1087E	350	
Hochneukirch	BD09	Nordrhein-Westfalen,Germany	51.0963N 6.4650E	88	From 2001-01-01
Hockley	HKT	Texas,U.S.A.	29.9500N 95.8333W	-415	From 1973-06-01
Hodge	HOD	California,U.S.A.	34.8389N 117.2475W	807	
Hodges	HODGE	South Carolina,U.S.A.	34.2315N 82.2586W	150	
Hodges Ranch	BHRM	California,U.S.A.	36.7278N 121.2640W	213	
Hoedspruit, Limpopo	HOED	South Africa	24.4127S 30.9324E	617	From 2017-03-11
Hoengseong	HOES	Republic of Korea	37.4930N 127.9930E	163	From 2007-12-13
Hof	HOF	Bayern,Germany	50.3136N 11.8775E	566	From 1909-01-01 to 2004-08-13
Hoffart Farm, Langdon	A30A	North Dakota,U.S.A.	48.9402N 98.3009W	484	From 2009-08-19 to 2011-07-15
Hoffen	HOFF	Alsace,France	48.9417N 7.9639E	150	
Hogan Spring (BLM), Cisco	Q19A	Utah,U.S.A.	38.9553N 109.2630W	1283	From 2007-06-14 to 2009-04-26
Hogback Mountain	HOG	Oregon,U.S.A.	42.2424N 121.7057W	1887	
Hogback Ridge	GHGM	California,U.S.A.	39.1283N 122.8250W	903	From 1975-04-18
Hog Canyon	PHGM	California,U.S.A.	35.8760N 120.4840W	792	
Hoggard's Bluff	HOGG	Arkansas,U.S.A.	35.2216N 92.2410W	133	From 1985-08-01
Hogget Hill	HHP	South Island,New Zealand	44.3259S 170.3456E	490	From 1975-06-18 to 1983-11-21
HOGN	HOGN	Israel	29.8950N 34.7790E	740	From 1985-11-01 to 1998-05-31
Hogsback Ridge	HRU	Utah,U.S.A.	40.7862N 111.8848W	1640	
Hohbusch	HOBG	Nordrhein-Westfalen,Germany	50.9835N 7.3338E	270	From 1996-03-01
HOHENGOEFT	HOHE	Alsace	48.6586N 7.4842E	336	From 2015-10-01
Hohenheim	HOH	Baden-Wurttemberg,Germany	48.7167N 9.2167E	396	From 1903-01-01 to 1934-01-31
Hohentengen	HTN	Baden-Wurttemberg,Germany	48.0293N 9.3784E	571	From 1984-01-01 to 2020-02-01
Hohenwarte Talsperre	HWTS	Thuringen,Germany	50.5923N 11.4723E	555	From 2009-11-01
Hohe Rhon--Flad	HROE	Bayern,Germany	50.5366N 10.1574E	569	From 2002-12-10
Hohkeppel	HOK	Nordrhein-Westfalen,Germany	50.9803N 7.3122E	230	From 1976-06-01 to 1994-12-01
Hoima	HOI	Uganda	1.4177N 31.3420E	1097	From 1991-07-01
Hojancha, HOJA	CHOYA	Costa Rica	10.0498N 85.4230W	356	From 2000-01-20 to 2000-05-12
Hokigiyama	HOKE	Yamanashi,Japan	34.8488N 139.0413E	900	
Hokitika Medical Centre	HMCS	South Island,New Zealand	42.7169S 170.9640E	9	From 2001-11-12
Hokkaido University	HSS	Ishikari,Japan	42.9647N 141.2320E	215	
Hokoriku	HKJ	Fukui,Japan	35.9375N 136.2125E	20	
Hokuryu	JHR	Sorachi,Japan	43.7430N 141.7248E	195	
Holberg	HOLB	British Columbia,Canada	50.6405N 128.1320W	564	From 1991-08-01
Holcombe	G39A	Wisconsin,U.S.A.	45.2867N 91.1698W	350	From 2011-08-15 to 2013-11-13
Holcomb Ridge	HOLC	California,U.S.A.	34.4582N 117.8451W	1160	
Holdsworth Station	HOWZ	North Island,New Zealand	40.8973S 175.5151E	475	From 2007-02-22
Hole	HLX	Nevada,U.S.A.	39.9337N 117.6632W	1219	
Holguin	HOL	Cuba	20.8940N 76.2630W	350	
Holguin	HLGC	Cuba	20.8900N 76.0600W	350	From 1999-09-01
Holitna River	M17K	Alaska,U.S.A.	61.4009N 157.4375W	387	From 2017-05-08
Hollad	A263A	Hungary	46.6408N 17.3149E	165	From 2015-12-15
Holladay	V46A	Tennessee,U.S.A.	35.8007N 88.1177W	162	From 2012-01-13
Holladay Fire Station, Holladay, Utah	HFSU	Utah,U.S.A.	40.6702N 111.8257W	1344	From 2010-08-17
Holland Mills	HMC	Quebec,Canada	45.7583N 75.6483W	175	
Holland Ranch, Erick	W31A	Oklahoma,U.S.A.	35.1864N 99.9435W	644	From 2009-03-22 to 2011-02-14
Holland Ranch, North Fork	M11A	Nevada,U.S.A.	41.4311N 115.7912W	1849	From 2006-05-06 to 2008-08-11
Holly Hill	SDYT	Tennessee	35.9867N 89.0383W	107	From 1989-12-02
Hollywood	HWD	South Carolina,U.S.A.	32.7388N 80.2835W	9	
Hollywood	158A	South Carolina,U.S.A.	32.7364N 80.1935W	12	From 2013-02-24
Holman	HMNT	Northwest Territories,Canada	70.7631N 117.8058W	36	
Holmes Hill	YHH	Wyoming,U.S.A.	44.7883N 110.8505W	2717	
Holmets	HOLU	Carpathian Mountains	48.5270N 22.3840E	134	
Holmfirth	LHO	England,United Kingdom	53.5451N 1.8548W	460	From 1991-01-01
Holsnoey Array Beam Ref. Pt. Skjelanger, Norway	HNAR	Norway	60.6106N 4.9571E	40	From 2020-05-06
Holsnoey Array Site A0 Skjelanger, Norway	HNA0	Norway	60.6106N 4.9571E	40	From 2020-05-06
Holsnoey Array Site A1 Skjelanger, Norway	HNA1	Norway	60.6126N 4.9556E	20	From 2020-05-06
Holsnoey Array Site A2 Skjelanger, Norway	HNA2	Norway	60.6112N 4.9611E	50	From 2020-05-06
Holsnoey Array Site A3 Skjelanger, Norway	HNA3	Norway	60.6086N 4.9581E	38	From 2020-05-06
Holsnoey Array Site B1 Skjelanger, Norway	HNB1	Norway	60.6146N 4.9577E	19	From 2020-05-06
Holsnoey Array Site B2 Skjelanger, Norway	HNB2	Norway	60.6128N 4.9646E	34	From 2020-05-06
Holsnoey Array Site B3 Skjelanger, Norway	HNB3	Norway	60.6083N 4.9640E	39	From 2020-05-06
Holsnoey Array Site B4 Skjelanger, Norway	HNB4	Norway	60.6069N 4.9514E	46	From 2020-05-06
Holsnoey Array Site B5 Skjelanger, Norway	HNB5	Norway	60.6116N 4.9492E	29	From 2020-05-06
Holstrom Ranch	JHLM	California,U.S.A.	37.1090N 121.8332W	908	From 1975-10-02
Holt	HLT	Alabama,U.S.A.	33.2223N 87.5077W	95	
Holter Research Foundation--Helena	HRF	Montana,U.S.A.	46.5943N 112.0440W	1256	
Holter Research Foundation--York Bridge	HRY	Montana,U.S.A.	46.7113N 111.8310W	1341	From 1980-11-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Holt Ranch, Enterprise	S13A	Utah,U.S.A.	37.5808N	113.8604W	1698	From 2007-02-15 to 2008-10-09
Holtville Bonds Crnr Olima	5054	California,U.S.A.	32.6932N	115.3382W	9	From 1996-09-26
Holy Cross	HCC	California,U.S.A.	36.9814N	121.7220W	159	From 1967-05-02 to 1975-10-12
Holy Mount Cemetery	HMCY	New York,U.S.A.	40.9648N	73.8032W	245	From 1985-12-01
Holy Rosary School	HOLY	Washington,U.S.A.	47.5654N	122.3839W	106	
Holzern, Kaernten	A027A	Austria	46.8159N	14.0074E	1217	From 2015-09-07
Homack Ranch, Wilcox	118A	Arizona,U.S.A.	32.6399N	109.9697W	1440	From 2007-04-05 to 2009-01-21
Homborsund	HOMB	Norway	58.2702N	8.5052E	21	From 2008-11-20
Homer	HOM	Alaska,U.S.A.	59.6583N	151.6430W	198	From 1976-08-01
Homestead Farm, Martinsburg	P57A	West Virginia,U.S.A.	39.4835N	78.0126W	191	From 2013-05-21
Homestead National Monument	HMN	Nebraska,U.S.A.	40.2864N	96.8356W	368	From 1979-03-10 to 2001-07-15
Homigot	HMGA	Republic of Korea	36.0761N	129.5666E	56	From 2018-03-09
Homyel'	NE57	Belarus	52.6030N	31.0810E	129	
Honcut	OHCM	California,U.S.A.	39.3357N	121.4840W	79	From 1975-08-05
Hondo	HNDO	Texas,U.S.A.	29.5288N	99.2808W	381	From 2017-02-15
Hondo	HONK	Kumamoto,Japan	32.8761N	131.0780E	1167	
Hondo	JHD	Kumamoto,Japan	32.4650N	130.1368E	70	
Honeyville	HONU	Utah,U.S.A.	41.6100N	111.9170W	1515	From 1989-06-13
Hongcheon	HOCA	Republic of Korea	37.6837N	127.8802E	124	From 2016-12-16
Hongdo	HGDB	Republic of Korea	34.7068N	125.2012E	-55	From 2018-03-09
Hong Kong Observatory	HKC	Hong Kong,China	22.3020N	114.1743E	27	From 1921-10-01
Hong Kong Po Shan	HKPS	Hong Kong,China	22.2776N	114.1415E	196	From 2009-10-01
Hongo	HNG	Tokyo,Japan	35.7111N	139.7660E	18	
Hongo	HGJ	Tokyo,Japan	35.7156N	139.7630E	19	From 1965-05-01
HongShan	HNS	Hebei	37.3991N	114.7073E	31	From 2009-01-01
Honhosa River	H18K	Alaska,U.S.A.	65.1527N	158.3633W	494	From 2017-06-16
Honiara	HNR	Solomon Islands,Papua New Guinea	9.4316S	159.9470E	72	From 1960-10-01
Honjo	HJY	Akita,Japan	39.3383N	140.1730E	136	From 1975-04-01
Honjo	HJH	Akita,Japan	39.3383N	140.1730E	136	From 1975-04-01
Honolulu	HNL	Hawaii,U.S.A.	21.3583N	157.8100W	243	From 1964-05-01 to 1974-12-31
Honolulu	HON	Hawaii,U.S.A.	21.3242N	158.0010W	2	From 1902-01-01
Honuapo	HPO	Hawaii,U.S.A.	19.0889N	155.5540W	15	
Hood Meadows East	VHEM	Oregon,U.S.A.	45.3287N	121.6740W	1739	
Hoodsport	HDW	Washington,U.S.A.	47.6485N	123.0540W	1006	
Hopa-Artvin	HOPA	Turkey	41.3867N	41.4458E	65	From 2012-01-01
Hope	HOPB	British Columbia,Canada	49.3873N	121.4205W	248	
Hope	HOJ	Jamaica	18.0045N	76.7494W	179	From 1965-08-21
Hope Bay	HOP	Jamaica	18.0220N	76.7500W	200	From 1961-11-01 to 1965-06-30
Hopedale	HDIL	Illinois,U.S.A.	40.5559N	89.2940W	219	From 2006-08-24
Hopen	HOPEN	Svalbard,Norway	76.5100N	25.0100E	25	From 2004-09-01
Hope Point	HOPE	South Georgia Islands	54.2836S	36.4879W	20	
Hope Ranch	PHPM	California,U.S.A.	35.9805N	120.6068W	548	
Hopewell	ROET	Tennessee	36.0328N	89.1358W	110	From 1989-10-25
Hopewell, ACRM	ACRN	Tennessee	36.0817N	89.0930W	79	From 1990-05-18 to 1990-06-28
Hopewell Church	IP05	Virginia,U.S.A.	37.8303N	77.7557W	108	
Hopland Field Station, Hopland	HOPS	California,U.S.A.	38.9935N	123.0723W	299	From 1994-10-20
Hopovo Monastery	HOPOS	Serbia	45.1351N	19.8354E	310	From 2004-01-28
Hopper	HOPT	Tennessee,U.S.A.	36.3270N	89.4717W	125	
Hoqain	HOQ	Oman	23.5824N	57.3109E	350	From 2001-07-01
Horasan	HOMI	Turkey	40.0452N	41.9055E	2174	From 2006-09-18
Hora Svate Kateriny	HSKC	Czech Republic	50.6072N	13.4317E	580	From 2014-11-21
Horco Molle	AHML	Tucuman,Argentina	26.7847S	65.3345W	670	From 1992-09-01
Horem	BA06	Nordrhein-Westfalen,Germany	50.9196N	6.7052E	73	From 2006-10-01
Horizontes, Guanacaste	HZTE	Costa Rica	10.7137N	85.5954W	194	From 2008-01-01
Hornachuelos	HORN	Spain	37.8466N	5.2582W	268	
Hornachuelos	EHOR	Spain	37.8231N	5.2481W	160	From 1985-05-01
Horndal	HRN	Sweden	60.2500N	16.4860E		From 1980-01-01
Hornillas	HORNC	Costa Rica	10.7125N	85.1783W	807	From 2000-01-01
Hornito Dam	P0844	Panama	8.7442N	82.2493W	900	
Hornopiren	HOCH	Chile	41.9072S	72.4081W	165	
Hornsund	HSP	Svalbard,Norway	77.0082N	15.5504E		
Hornsund Array Site 1	HSPA1	Svalbard	77.0032N	15.5259E	0	From 2022-06-21
Hornsund Array Site 2	HSPA2	Svalbard	77.0062N	15.5325E	0	From 2022-06-21
Hornsund Array Site 3	HSPA3	Svalbard	77.0060N	15.5325E	0	From 2022-06-21
Hornsund Array Site 4	HSPA4	Svalbard	77.0055N	15.5427E	0	From 2022-06-21
Hornsund Array Site 5	HSPA5	Svalbard	77.0035N	15.5357E	0	From 2022-06-21
Hornsund (broadband)	HSPB	Svalbard,Norway	77.0019N	15.5332E	10	
Horodok	HORU	Carpathian Mountains	49.2138N	26.4263E	340	From 2001-02-19
Horoka	HRK	Hokkaido,Japan	43.4663N	143.1287E	695	
Horominai	HORH	Iburi,Japan	42.4765N	140.9167E	235	
Hororata, DAR4	DARN4	South Island	43.5488S	171.9490E	188	
Hororata School	HORC	South Island,New Zealand	43.5396S	171.9599E	181	From 2004-11-29
Horqueta	HOQC	Colombia	3.4680N	76.6337W	2220	From 1987-01-01
Horse Butte	YHB	Idaho,U.S.A.	44.7512N	111.1952W	2157	
Horse Canyon	HCU	Utah,U.S.A.	39.4883N	110.3450W	2134	From 1962-01-01 to 1977-03-31
Horsefly Mountain	VHYM	Oregon,U.S.A.	42.2645N	121.0490W	1932	
Horse Heaven Hills	HHH	Washington,U.S.A.	46.1717N	119.3840W	490	From 1987-03-01
Horse Mountain	KHMM	California,U.S.A.	40.8747N	123.7310W	1509	
Horse Pasture	SHEL	Saint Helena	15.9588S	5.7457W	537	From 1995-06-19
Horseshoe Bay	HBC	British Columbia,Canada	49.3775N	123.2760W		From 1951-01-01 to 1960-04-30
Horseshoe Beach	655A	Florida,U.S.A.	29.5107N	83.2552W	6	From 2012-02-15
Horse Springs, Datil	Y20A	New Mexico,U.S.A.	33.9085N	108.3769W	2177	From 2008-02-10 to 2009-12-06
Horse Wrangler Ranch, Akron	O26A	Colorado,U.S.A.	40.2422N	103.3128W	1413	From 2008-11-20 to 2010-10-13
Horta	HOR	Azores,Portugal	38.5267N	28.6300W	60	
Horta de San Juan	ERTA	Spain	40.9567N	0.3335E	547	
Hortiatis	HORT	Greece	40.5978N	23.0996E	933	From 2006-07-12
Hortobgy	HU05A	Hungary	47.5518N	21.1370E	91	From 2019-06-13
Horyu	HRJ	Ishikawa,Japan	37.3994N	137.1360E	275	
Hoseineyeh	IHOS	Iran	32.6793N	48.2365E	0	From 1998-01-01
Hoshina	HSJ	Nagano,Japan	36.5841N	138.2740E	490	From 1968-07-21
Hoskins	L33A	Nebraska,U.S.A.	42.1659N	97.2724W	556	From 2010-06-18 to 2012-04-30
Hoskins	DAW	New Britain,Papua New Guinea	5.5500S	150.4670E	250	From 1969-11-02 to 1970-12-31
Hososhima	JMH	Miyazaki,Japan	32.5717N	131.5883E	60	
Hospital de la Familia	HDFA	Baja California	32.6673N	115.3900W	23	
Hospital Del Sur Enrique Grces , La lorena, Chilibulo	HSUR	Ecuador	0.2447S	78.5413W	2907	From 2017-07-14
Hospital general Docente Calderon, Sierra hermosa, Kennedy, Quito	HCAM	Ecuador	0.0921S	78.4378W	2720	From 2017-07-11
Hospital Gineco Obsttrico Luz Elena Arismendi, Guamani, Quito	HLUZ	Ecuador	0.3152S	78.5537W	2979	From 2017-07-11
Hospital, Ginir	GINR	Ethiopia,Ethiopia	7.1298N	40.7153E	1928	From 2014-04-18 to 2017-12-01
Hospital Gral. Tijuana	HGTTJ	Baja California	32.5260N	117.0090W	1	
Hospital, Negele	NGLE	Ethiopia,Ethiopia	5.3316N	39.5736E	1510	From 2014-04-22 to 2017-12-01
Hossack Road	HSRZ	North Island,New Zealand	38.3113S	176.2449E	411	From 2010-04-13
Hot Caves	HTC	Hawaii,U.S.A.	19.2374N	155.3976W	381	
Hotchkiss, N22	NCR22	Colorado	38.8064N	107.8246W	1712	
Hot Creek Range	HCR	Nevada,U.S.A.	38.2339N	116.4357W	2058	
Hotel Casa Bonita	LOBA2	Dominican Republic	18.0814N	71.0936W	40	From 2015-08-08 to 2018-05-05
Hotel Crowe Plaza	CRW	El Salvador	13.7092N	89.2413W	838	
Hotel El Pedernal	LOPE2	Dominican Republic	18.0314N	71.7454W	13	From 2015-08-20 to 2018-04-14
Hotel Espejo de Luna	LL07	Los Lagos	42.8324S	73.4779W	53	From 2015-02-03
Hotel Rincn de la Vieja Lodge	GPS2	Costa Rica	10.7525N	85.3520W	676	From 2000-01-01
Hotel RIU, Guanacaste	HRIU	Costa Rica	10.5158N	85.7501W	309	From 2000-01-01
Hotel Taoro	TTAO	Canary Islands	28.4123N	16.5487W	92	From 2016-06-07
Hotham Inlet	E17K	Alaska,U.S.A.	67.0820N	161.8262W	233	From 2017-07-28
Hotnja, Vukomericke Gorice	A255A	Croatia	45.5090N	16.0507E	224	From 2016-06-07
Hotokeiwa	HTK	Nagano,Japan	36.3769N	138.5397E	1462	
Hot Spot	HSW	Washington,U.S.A.	46.5295N	119.5550W	217	From 1970-06-01 to 1971-10-31
Hotspring	HG4B	British Columbia,Canada	52.2931N	131.1975W	331	From 2012-11-10
Hotspring	HG3B	British Columbia,Canada	52.5766N	131.4435W	10	From 2012-11-13
Hot Springs	C13A	Montana,U.S.A.	47.6795N	114.5735W	976	From 2006-09-21 to 2009-08-04
Hot Springs Basin	YPHS	Wyoming,U.S.A.	44.7556N	110.3540W	2621	
Hot Springs Mountain	HOT	California,U.S.A.	33.3144N	116.5824W	1934	From 1976-01-01 to 2010-04-28
Houchin Ranch, La Veta	S24A	Colorado,U.S.A.	37.6407N	105.2126W	2672	From 2008-06-13 to 2010-04-16
Houelmont	HMG	Guadeloupe,France	15.9823N	61.7000W	420	
Houlton	HNME	Maine,U.S.A.	46.1599N	67.9867W	209	
Houlton	HN-ME	Maine,U.S.A.	46.1619N	67.9858W	213	
Houlton	HN-	Maine,U.S.A.	46.1619N	67.9858W	213	
Hourglass Bar Ranch, Mountainair	X23A	New Mexico,U.S.A.	34.5810N	106.1881W	1948	From 2008-04-19 to 2010-03-13
House Creek	GHCM	California,U.S.A.	38.6060N	123.1970W	518	From 1975-05-07
House Creek Ranch, Rogerson	L12A	Idaho,U.S.A.	42.1460N	115.0162W	1756	From 2006-12-21 to 2008-08-08
Houston	Y46A	Mississippi,U.S.A.	33.8828N	88.8577W	109	From 2011-04-14 to 2013-02-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Houston	HOU	Texas,U.S.A.	29.7189N	95.4022W	5	
Houston	I39A	Minnesota,U.S.A.	43.8543N	91.5231W	393	From 2011-08-09 to 2013-06-05
Houston--Electro-Tech	HET	Texas,U.S.A.	29.7200N	95.4699W	6	From 1961-01-01 to 1965-04-30
Houston Renfrow, Canton	145A	Mississippi,U.S.A.	32.6035N	89.9287W	93	From 2011-03-25
Houvegnez	BHOU	Belgium	50.3537N	6.0051E	470	From 2012-08-02
Houxiangcun	PTMZ	Taiwan region	25.0400N	119.1200E	0	From 2011-07-22
Hovd	HBD	Mongolia	48.0100N	91.6500E	1410	
Hoven	G29A	South Dakota,U.S.A.	45.1926N	99.9234W	588	From 2009-09-10 to 2011-07-12
Hovey Rd	TPB05	Texas	30.9199N	103.3248W	957	From 2017-11-10
Howard	HD-PA	Pennsylvania,U.S.A.	40.9956N	77.5956W	369	From 1964-09-25 to 1965-01-25
Howard	HD-	Pennsylvania,U.S.A.	40.9956N	77.5956W	369	From 1964-09-25 to 1965-01-25
Howard City	J46A	Michigan,U.S.A.	43.3478N	85.6466W	275	From 2012-09-11
Howats Hill	BHH	Scotland,United Kingdom	55.0931N	3.2181W	216	
Howe Caverns	HCNY	New York,U.S.A.	42.6968N	74.3984W	273	
Howe Peak	HPI	Idaho,U.S.A.	43.7114N	113.0970W	2597	From 1972-10-01
Howes	H27A	South Dakota,U.S.A.	44.6329N	102.0775W	748	From 2009-06-10 to 2011-05-27
Howe Scarp	HWSI	Idaho,U.S.A.	43.9222N	113.1060W	1740	From 1992-01-01
Howrah	HOW	West Bengal,India	22.4167N	88.3092E	3	From 1952-01-01
Hoy	OHO	Orkney Islands,United Kingdom	58.8321N	3.2464W	172	From 1995-09-21
Hoyanger	HYA	Norway	61.1660N	6.1870E	30	From 1999-06-08
Hoyt Mine	HYX	Nevada,U.S.A.	39.7728N	117.7630W	1661	From 1980-01-01
Hoyt Peak	HTU	Utah,U.S.A.	40.6753N	111.2200W	2575	From 1974-11-01
Hrakleion	PATE	Crete	35.3344N	25.1528E	19	From 2020-05-28
Hraun	IHRN	Iceland	66.1100N	20.1230W	15	From 1996-08-30
HRB Luhne-Lengefeld	LUHNE	Thuringen	51.2538N	10.4194E	228	From 2019-08-20
HRML	HRML	Saudi Arabia	22.0080N	45.0920E	807	
Hsiaoliuchiu	TWP	Taiwan region	22.3460N	120.3625E	80	From 1978-01-02
Hsiaoliuchiu	WLCT	Taiwan region	22.3480N	120.3620E	38	
Hsinchu	HSN	Taiwan region	24.8022N	120.9696E	34	
Hsinchu	SBCB	Taiwan region	24.7924N	120.9854E	126	From 2007-07-17
Hsinchu	HSN1	Taiwan region	24.7780N	121.0180E	102	From 2014-12-22
Hsinkong	HSI	Taiwan region	23.1000N	121.3670E	36	
Hsinkong	SGK	Taiwan region	23.1000N	121.3670E	36	
Hsinying	TWK	Taiwan region	23.2667N	120.4880E	590	From 1974-07-19
HTM01	HTM01	Saudi Arabia	26.7114N	42.4896E	976	
HTM02	HTM02	Saudi Arabia	26.8822N	42.5930E	912	
HTM03	HTM03	Saudi Arabia	27.0386N	42.4549E	923	
HTM04	HTM04	Saudi Arabia	27.0190N	42.2819E	1048	
HTM05	HTM05	Saudi Arabia	27.1696N	42.1675E	1194	
HTM06	HTM06	Saudi Arabia	26.7398N	42.2049E	1154	
Huaiquique	TA02	Tarapac	20.2705S	70.1311W	86	From 2014-02-24
Huajuapan	UTMO	Oaxaca,Mexico	17.8300N	97.8035W	1783	From 2003-11-18
Huajuapan de Leon	HLIG	Oaxaca	17.8300N	97.8036W	1784	From 2009-12-08
Hualalai	HUH	Hawaii,U.S.A.	19.6847N	155.8357W	2193	From 1971-05-06
Hualane	U65B	Maule,Chile	34.9642S	71.7886W	66	
Hualane	GO05	Maule,Chile	35.0098S	71.9297W	488	
Hualapai Mountain Park, Kingman	W13A	Arizona,U.S.A.	35.0990N	113.8854W	1988	From 2006-03-09 to 2010-05-28
Hualien Port	HWAP	Taiwan region	23.9800N	121.6200E	0	From 2001-08-27
Hualilan	HLN	San Juan,Argentina	30.7364S	68.9492W	2000	
Huancayo	HUA	Peru	12.0384S	75.3228W	3313	From 1932-04-01
Huanuco	HCO	Peru	9.8300S	76.2300W	1851	
Huara	HUAR	Chile	19.9320S	69.7261W	1135	From 2009-12-03
Huaraz	HUZ	Peru	9.5289S	77.5083W	3300	From 1972-01-01
Huarina	BS09	Bolivia	16.1890S	68.6120W	3858	From 2012-04-24
Huarmaca	HURP	Peru	5.5830S	78.4330W	2000	
Huasco	HUCH	Atacama,Chile	28.4641S	71.2215W	9	From 2005-04-19
Huatulco	HUIG	Oaxaca,Mexico	15.7684N	96.1082W	150	
Huaypira	CHP5	Peru	4.6050S	80.5011W	240	
Huckleberry Mountain	HBO	Oregon,U.S.A.	43.8443N	122.3200W	1615	From 1990-09-19
Huddart Park	JHPM	California,U.S.A.	37.4442N	122.3020W	347	
Huddler Ranch, Lake City	T32A	Kansas,U.S.A.	37.1797N	98.9247W	596	From 2009-10-12 to 2011-08-27
Hudiksvall	HUDU	Sweden	61.7364N	17.1194E	100	From 2005-10-15 to 2020-04-02
Hudson	HUDS	Patagonia	45.9593S	72.8861W	999	From 2010-01-01
Hudson	HUO	Ontario,Canada	50.0806N	92.0981W	367	From 1986-10-02
Hudson Bay High School ANSS-SMO	HUBA	Washington,U.S.A.	45.6307N	122.6526W	23	From 2002-09-12
Hue	HUV	Vietnam	16.4168N	107.5855E	8	
Hueftle Ranch, Cozad	N30A	Nebraska,U.S.A.	40.7957N	100.1001W	842	From 2009-05-21 to 2011-04-07
Huehuecho	HUES	El Salvador	13.7783N	89.0000W	910	From 1991-12-01
Huehuetenango	HUEH	Guatemala Basin	15.3182N	91.5025W	1870	
Huelma, Jaen	E025	Spain	37.7016N	3.4657W	1621	From 2007-06-22 to 2009-06-24
Huelva	EXHU	Spain	37.2740N	6.9310W	380	From 2008-06-01
Huemules	HUEM	Patagonia	45.8658S	73.1132W	1158	From 2017-10-01
Hurcal-Overa, Almera	EXHUO	Spain	37.3988N	1.9469W	290	From 2015-01-01
Huescar	EHUE	Spain	37.8148N	2.5927W	980	From 1990-11-13
Huff	E28A	North Dakota,U.S.A.	46.5748N	100.6934W	579	From 2009-08-18 to 2011-06-06
Hugo	Q26A	Colorado,U.S.A.	38.9234N	103.5195W	1546	From 2008-12-04 to 2010-10-17
Hugo	Y37A	Oklahoma,U.S.A.	33.9789N	95.6210W	165	From 2010-04-27 to 2012-01-30
Hugoton	T29A	Kansas,U.S.A.	37.1565N	101.2942W	936	From 2009-04-08 to 2011-03-13
Hu-ho-hao-te	HHC	Nei Monggol Zizhiqu,China	40.8494N	111.5640E	1169	
Huhtala Lane, Santa Cruz County	JHUM	California,U.S.A.	37.2147N	122.1717W	234	From 2000-09-15
Huiakama School	HUKS	North Island,New Zealand	39.2605S	174.5681E	171	From 2002-11-21
Huinay	HUNY	Chile	42.3790S	72.4143W	20	
Huiting Farm, Downs	P32A	Kansas,U.S.A.	39.6223N	98.6011W	524	From 2009-09-19 to 2011-08-23
Huitzitzil	HUG	Guatemala	14.0208N	91.3235W		From 1987-10-01
Huka	HUTZ	North Island,New Zealand	38.6319S	176.0944E	300	From 1985-09-26 to 1992-10-31
Hulata	HULT	Israel	33.0504N	35.6110E	117	From 2018-02-04
Hulbert	V37A	Oklahoma,U.S.A.	35.8830N	95.1410W	219	From 2010-06-11 to 2012-02-17
Hull Mountain	GHMM	California,U.S.A.	39.4954N	122.9310W	1456	
Hull Mountain	HUMO	Oregon,U.S.A.	42.6071N	122.9567W	554	From 2002-06-18
Hull Mountain near Rice Fork, CA USA	HULL	California	39.5221N	122.9363W	2070	From 2020-08-01
Humahuaca	HJA	Jujuy,Argentina	23.2078S	65.4095W	3170	
Humangqian	PNTK	Taiwan region	26.9784N	118.9720E	850	From 2011-07-25
Humberstone	HMBC	Tarapaca,Chile	20.2782S	69.8879W	1152	
Humbligny	HYF	Centre,France	47.2685N	2.6394E	428	
Humboldt	O35A	Nebraska,U.S.A.	40.2665N	95.9097W	342	From 2010-05-16 to 2012-04-21
Humboldt	V45A	Tennessee,U.S.A.	35.7403N	88.9591W	126	From 2011-05-15 to 2013-03-16
Humboldt	X15A	Arizona,U.S.A.	34.4866N	112.2368W	1331	From 2006-03-22 to 2008-11-06
Hume Dam	HUMM	Victoria,Australia	36.1110S	147.0290E	190	
Humele	HUMR	Romania	44.5281N	24.9804E	247	From 2008-08-29
Humming Bird West	HBW	California,U.S.A.	38.8585N	122.8757W	985	
Humu`ula Sheep Station	HMH	North America,U.S.A.	19.6027N	155.4830W	2465	
Hundersingen	HUN	Baden-Wurttemberg,Germany	48.0792N	9.4083E	565	
Hundred Mile H.	HM-	British Columbia,Canada	51.6550N	121.4756W	1128	From 1962-07-26 to 1962-10-05
Hungry Hill Ranch, Wilson	Z29A	Texas,U.S.A.	33.2595N	101.7062W	938	From 2009-01-29 to 2010-12-04
Hungry Horse	HHM	Montana,U.S.A.	48.3494N	114.0280W	1100	From 1947-11-10 to 1979-12-16
Hungye	EHY	Taiwan region	23.5060N	121.3220E	237	
Hunish Island	HNSH	Yemen	13.6935N	42.7147E	80	From 2007-11-27
Hunoldsheilm	HUNA	Austria	47.9772N	16.6814E	335	From 2021-01-27
Hunter Liggett MR Jolon	V03C	California,U.S.A.	36.0214N	121.2356W	336	From 2005-02-23 to 2007-12-05
Hunter Patterson, Mansfield	240A	Louisiana,U.S.A.	32.0387N	93.7626W	119	From 2011-02-11 to 2012-12-01
Huntington	339A	Texas,U.S.A.	31.3331N	94.5560W	82	From 2010-02-18 to 2011-12-10
Huntoon Valley	HVL	Nevada,U.S.A.	39.1832N	118.5390W	1856	
Huntoon Valley	HCK	Nevada,U.S.A.	38.0755N	118.5920W		
Huntsbury	HUNS	South Island,New Zealand	43.5794S	172.6572E	207	From 2012-04-18
Huntsville	M16A	Utah,U.S.A.	41.3146N	111.6298W	1872	From 2007-07-09 to 2009-04-21
Huntsville, TX	HNVL	Texas,U.S.A.	30.7564N	95.4666W	87	From 2017-04-06
Hunxe	BHXE	Nordrhein-Westfalen,Germany	51.6308N	6.8929E	159	
Hnxe	BZER	Nordrhein-Westfalen,Germany	51.6207N	6.8695E	51	From 2004-12-08
Hurbanovo	HRB	Slovakia	47.8736N	18.1928E	115	
Huro Makira	HURO	Solomon Islands	10.4653S	161.9026E	52	From 2018-10-10
Huron Fishing Bridge	PHBM	California,U.S.A.	36.2488N	120.0830W	100	
Hurricane	HUR	Alaska,U.S.A.	62.9778N	149.6360W	505	From 1971-08-01
Hurricane	T14A	Utah,U.S.A.	37.0615N	113.0840W	1529	From 2007-01-28 to 2008-10-10
Hurricane	R53A	West Virginia,U.S.A.	38.3307N	81.9513W	294	From 2013-01-13
Hurricane	HHS	Utah,U.S.A.	37.1738N	113.2957W	987	From 2008-05-15
Hurricane Hollow	HHT	Tennessee,U.S.A.	36.1711N	87.9014W	113	
Hurst Farm, Blanding	S18A	Utah,U.S.A.	37.6903N	109.9948W	2351	From 2007-06-25 to 2009-06-18
Hurt	T57A	Virginia,U.S.A.	36.9983N	79.2538W	230	From 2013-03-17
Husband	HUOR	Oregon,U.S.A.	44.1197N	121.8482W	2037	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Husbondi	IHUS	Iceland	64.2955N	17.6565W	1314	From 2013-06-06
Huson	D13A	Montana,U.S.A.	47.0943N	114.4587W	1000	From 2006-10-06 to 2009-07-17
Husum	HUSU	Sweden	63.3416N	19.2184E	100	From 2000-08-23
Huta Ginjang	HUTI	Sumatera,Indonesia	2.3153N	98.9711E	1600	
Hutbay	HUTB	Andaman Islands,India	10.3512N	92.3232E	22	From 2012-01-01
Hutchings Drive San Leandro	C038	California,U.S.A.	37.7205N	122.1765W	28	From 2010-05-04
Hutch Mountain	HTCH	Arizona,U.S.A.	34.8060N	111.3940W	2559	
Hutt Central	LHES	North Island	41.2117S	174.9033E	16	From 2001-10-29
Hutt International Boys School	HIBS	North Island,New Zealand	41.1399S	175.0359E	45	From 2011-09-30
Huxley Gorge	HGP	South Island,New Zealand	44.1008S	169.8443E	590	From 1975-06-18 to 1983-11-21
HUYE	HUYE	Rwanda	2.6187S	29.7330E	1657	From 2019-06-07
Huzimizaka	HZA	Nagano,Japan	36.3992N	138.5411E	2232	
Hvannstoosfjoll	IHVA	Iceland	64.9550N	15.8690W	695	From 2004-12-29
Hvar	HVAR	Croatia	43.1780N	16.4490E	189	From 1986-10-01
Hveravellir	IHVE	Iceland	64.8700N	19.5670W	640	From 1996-08-30
Hwacheon	HWCB	Republic of Korea	38.2214N	127.6707E	292	From 2010-11-17
Hwacheon Acc Borehole	HWCA	Republic of Korea	38.0650N	127.7746E	268	From 2015-10-01
Hwalien	HWA	Taiwan region	23.9770N	121.6050E	16	
Hwange	HWZ	Zimbabwe	18.3302S	26.5034E	0	
Hwaseong-si	HAWB	Republic of Korea	37.0844N	126.7740E	48	From 2012-12-24
Hwawon	HAWA0	Republic of Korea	34.6710N	126.3283E	28	From 2018-03-09
Hwawon	MHAW	Republic of Korea	34.6708N	126.3277E	41	From 2020-05-05
Hyde County Airport	V62A	North Carolina,U.S.A.	35.5612N	75.9570W	-3	
Hyden	HYDN	Western Australia	32.4492S	118.8600E	305	From 2021-01-22
Hyde Park	HDU	Utah,U.S.A.	41.8044N	111.7650W	1853	From 1975-03-01
Hyder	U35K	Alaska,U.S.A.	55.9154N	130.0257W	17	From 2016-08-21
Hyderabad	HYB	Andhra Pradesh,India	17.4169N	78.5531E	510	From 1967-12-11
Hyderabad	HYD	Andhra Pradesh,India	17.4333N	78.4500E	528	
Hyderabad (broadband)	HYBB	Andhra Pradesh,India	17.4187N	78.5520E	522	From 2008-09-15
Hydra	YDRA	Greece	37.3495N	23.4653E	19	From 2011-10-24
Hydro, Custer County	CSTR	Oklahoma,U.S.A.	35.6456N	98.6889W	516	From 2016-07-14
Hyesan	HYSN	Democratic People's Republic of Korea	41.3895N	128.1791E	780	From 1978-01-01
Hyland Airport, Yukon	TGTN	Yukon Territory,Canada	61.5267N	128.2727W	865	From 2013-07-01
Hylton High School	PPHYL	District of Columbia,U.S.A.	38.6500N	77.3800W	112	
Hysham	HY-MA	Montana,U.S.A.	45.9728N	107.0817W	975	From 1964-11-30 to 1965-09-19
Hysham	HY-	Montana,U.S.A.	45.9728N	107.0817W	975	From 1964-11-30 to 1965-09-19
Hyugahichiya	JHHC	Miyazaki,Japan	32.4432N	131.6368E	53	From 2012-07-01
I19DJ	I19DJ	Djibouti	11.4740N	43.1731E	21	From 2011-10-05
I20M0	I20M0	Nevada	37.1319N	116.0756W	1305	From 2017-11-25
I20M6	I20M6	Nevada	37.0974N	116.0627W	1269	From 2017-11-25
I20M9	I20M9	Nevada	37.1133N	116.0917W	1302	From 2017-11-25
I37NO	I37NO	Norway	69.0741N	18.6076E	73	From 2013-12-17
Iasi	IASR	Romania	47.1777N	27.5748E	183	From 2018-11-15
Iasi	IAS	Romania	47.1931N	27.5530E	195	From 1951-12-10
Ibague, SGC	CIBA1	Colombia	4.4470N	75.2350W	1284	From 1995-06-26
Ibajay, Aklan	IBAJ	Philippines	11.8178N	122.1709E	97	
Ibarra	IBAR	Ecuador	0.2871N	78.1065W	2360	
Ibarra (Universidad Catlica)	AIB2	Ecuador	0.3428N	78.1042W	2225	From 2012-03-23
Iba, Zambales	IBZP	Luzon	15.3980N	120.0230E	50	From 2015-12-09
Ibbenbueren East	IBBE	Nordrhein-Westfalen,Germany	52.2998N	7.7943E	141	From 2005-12-01
Ibbenbueren South	IBBS	Nordrhein-Westfalen,Germany	52.2843N	7.7486E	169	From 2005-12-01
Ibbenburen	IBBN	Nordrhein-Westfalen,Germany	52.3072N	7.7566E	137	
Ibiza	EIBI	Balearic Islands,Spain	39.0269N	1.3436E	260	
Ibuki Yama	IBU	Shiga,Japan	35.3783N	136.3770E	30	
Ibu, Maluku Utara	IHMI	Indonesia	1.5082N	127.5556E	130	From 2019-01-01
Ibumi	BUMI	Tanzania	10.1277S	34.9365E	1333	From 2014-07-10 to 2015-11-04
Iburiatsuma	JIAM	Iburi,Japan	42.6227N	141.9205E	12	From 2012-11-01
Ica	ICA	Peru	14.0750S	75.7250W	500	
Ice Cap	IC-GL	Greenland	77.9467N	39.1833W	2365	From 1966-07-06 to 1967-08-28
Ice Cap	IC-	Greenland	77.9467N	39.1833W	2365	From 1966-07-06 to 1967-08-28
Icelocation 2	IS2	Greenland	69.1660N	44.7357W	2220	
Icheon	KSICN	Republic of Korea	37.2907N	127.4167E	164	From 2003-11-28
Ichihara	ICH	Chiba,Japan	35.4009N	140.1768E	-146	
Ichinomiya	INMK	Tokushima,Japan	34.0284N	134.4663E	50	
Ichinomiyachiaki	JICN	Aichi,Japan	35.3020N	136.8430E	10	From 2012-11-01
Ichinoseki	JMK	Iwate,Japan	38.9518N	141.2198E	70	
Ichiyama	ICY	Yamanashi,Japan	34.9033N	138.9333E	210	
Icod de los Vinos	CICO	Canary Islands,Spain	28.3490N	16.7241W	785	From 2004-05-13
Icod de los Vinos, Tenerife	CNOR	Canary Islands	28.3135N	16.6600W	1520	From 2016-10-06
ICTJA-CSIC, Barcelona	ICJA	Spain	41.3844N	2.1189E	109	From 2015-07-28
Idabel	Y38A	Oklahoma,U.S.A.	33.9278N	94.7311W	118	From 2010-04-28 to 2012-01-28
Idaho Array	IDA	Idaho,U.S.A.	43.7867N	113.0220W	1524	
Idaho Array 1	ID1	Idaho,U.S.A.	43.6200N	113.3280W	1638	
Idaho Array 2	ID2	Idaho,U.S.A.	43.5283N	112.8370W	1521	
Idaho Array 3	ID3	Idaho,U.S.A.	43.8575N	112.7080W	1460	
Idaho Array 4	ID4	Idaho,U.S.A.	43.7250N	112.7970W	1478	
Idaho Array 5	ID5	Idaho,U.S.A.	43.8983N	113.6160W	1829	
Idaho Springs	ISCO	Colorado,U.S.A.	39.7997N	105.6134W	2743	From 1996-10-17
Idan	IDAN	Israel	30.8333N	35.2738E	148	From 2018-11-15
Ideyld Park	J03A	Oregon,U.S.A.	43.3717N	122.9646W	292	From 2005-12-15 to 2007-10-31
Idfu	HEDF	Egypt	25.0945N	33.1818E	190	
Idi	IATSM	Indonesia	4.9241S	97.7846E	26	From 2020-12-31
Iditarod	K17K	Alaska,U.S.A.	62.7161N	158.3014W	339	From 2017-06-03
Idjevan	IDJZ	Armenia	40.8820N	45.1460E	700	
Idjwi	IDJ	Democratic Republic of the Congo	2.0642S	29.0606E	1566	From 2015-08-17
Idriss Premier	IDR	Morocco	34.1660N	4.7500W	217	From 1979-06-01
Iengra	IENR	Sakha,Russia	56.2238N	124.8571E	860	From 2004-07-10
Iera Moni Metamorfosis, Varipetro, Chania, Crete	IMMV	Crete,Greece	35.4606N	23.9811E	230	From 2010-07-16
Iera Moni Odigitrias - Faistos, Heraklion, Crete Is.	IMOD	Crete	34.9731N	24.7995E	242	From 2020-07-10
Iera Moni Zoodochou Pigis, Vathi, Samos	SAM1	Greece	37.7691N	27.0275E	323	From 2020-11-02
Ierapetra Chania	FRMA	Crete,Greece	35.0188N	25.8555E	33	From 2006-12-01
Ierissos	IER1	Greece	40.3971N	23.8751E	45	From 2008-09-30
Ifrane	IFR	Morocco	33.5169N	5.1269W	1630	From 1964-11-01
Igarata	IGAB	Sao Paulo,Brazil	23.2525S	46.1165W	677	
Igawa	GAWA	Tanzania	8.7648S	34.3864E	1127	From 2014-07-01 to 2015-11-04
IGDIR	IGDI	Turkey	39.8681N	44.0780E	860	From 2012-01-23
Iggoen	IGGU	Sweden	60.8730N	17.3160E	100	From 2000-03-27
Igitkin Island	GSIG	Alaska,U.S.A.	51.9864N	175.9250W	407	
Igloolik	IGL	Northwest Territories,Canada	69.3767N	81.8067W	38	From 1975-09-03
Igloolik	IGLN	Northwest Territories,Canada	69.3689N	81.8175W	43	
Igloolik, Nunavut	ILON	Northwest Territories,Canada	69.3712N	81.8242W	51	From 2005-08-23
Ignalina	IIGN	Lithuania	55.3503N	26.2225E	225	
Ignalina Nuclear	INPP	Lithuania	55.6056N	26.5667E	148	
Igoma	IGOM	Tanzania	9.0000S	33.6573E	2364	From 2013-08-13 to 2015-11-04
Igoumenitsa	IGM2	Greece	39.4862N	20.2592E	34	From 2015-08-05
Igoumenitsa	IGT	Greece	39.5325N	20.3325E	320	From 1989-04-01
Igron	IGR	Tajikistan	38.3000N	69.3000E	0	
IGS Nastaetten	NAST	Rheinland-Pfalz,Germany	50.1951N	7.8608E	290	From 2014-10-01
Iguala	III	Guerrero,Mexico	18.3760N	99.4680W	1740	
Igualata	IGUA	Ecuador	1.4900S	78.6387W	4430	
Iheya	JIH	Ryukyu Islands,Japan	27.0348N	127.9670E	25	
Iida	IID	Nagano,Japan	35.5100N	137.8367E	484	
Iida	IJDJ	Nagano,Japan	35.4800N	137.9120E	528	From 1978-03-01
Iida	IIDJ	Nagano,Japan	35.4800N	137.9120E	528	From 1978-03-01
Iinan	INA	Mie,Japan	34.4463N	136.3750E	160	From 1965-07-01 to 1970-07-31
IISEE	IIS	Tokyo,Japan	35.7097N	139.6970E	25	
Iizuka	IZK	Fukuoka,Japan	33.6500N	130.7000E		
Iizume	IZMH	Aomori,Japan	40.8338N	140.4985E	30	
Ikemajima	JIKM	Ryukyu Islands,Japan	24.9237N	125.2477E	11	From 2010-02-01
Iki	JII	Nagasaki,Japan	33.7955N	129.7320E	70	
Ikongo	KIMO	Tanzania	10.6922S	36.0463E	841	From 2014-07-14 to 2015-11-04
Ikpikpuk River	B21K	Alaska,U.S.A.	69.6211N	154.6128W	92	From 2017-08-14
Iksan Acc Borehole	IKSA	Republic of Korea	36.0592N	127.0619E	46	From 2015-10-01
Iksangeumgang	ISGB	Republic of Korea	35.9345N	126.9741E	-47	From 2018-03-09
Ikuma	JNM	Shimane,Japan	35.4958N	133.0297E	20	
Ikusaka	IKJ	Nagano,Japan	36.4218N	137.9440E	500	From 1968-07-01 to 1970-03-15
Ilam	ILAN	Nepal	26.9102N	87.9227E	1181	From 2001-10-17 to 2002-10-30
Ilam Banvizeh	ILBA	Iran	33.6245N	46.2074E	798	From 2016-10-19
Ilan	ILA	Taiwan region	24.7656N	121.7479E	7	From 1936-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ilan	YLA	Taiwan region	24.7656N	121.7480E	7	From 1936-01-01
Ilanz Schule GR	SIZS	Switzerland	46.7724N	9.2053E	703	From 2016-05-25
Ile Boleng, Nusa Tenggara Timur	IBTI	Indonesia	8.3894S	123.2645E	154	From 2019-01-01
Ile d'Oleron	OLEF	Poitou-Charentes,France	45.9445N	1.3488W	3	From 1994-12-06
Ile-d'Orlans Bridge South Anchor Chamber	BSAQ	Quebec	46.8786N	71.1296W	1	From 2017-01-27
Ile-Efe	ILEFE	Nigeria	7.5467N	4.5469E	289	
Ile-Ife	OAUI	Togo	7.5230N	4.5219E	257	From 2007-11-01
Ilet Lapin Martinique	ILAM	Martinique,France	14.7747N	60.8736W	34	From 2012-10-01
Ilgaz	ILGA	Turkey	41.0521N	33.7165E	2069	From 2007-07-02
ILHA DA TRINDADE, ES	TRI01	Espirito Santo	20.5076S	29.3146W	26	From 2014-10-14
Ili	ILI	Kazakhstan	43.8600N	77.0320E	540	
Iliamna	ILM	Alaska,U.S.A.	60.1820N	152.8160W	550	From 1971-08-07
Iliamna	ILIM	Alaska,U.S.A.	60.0802N	152.9590W	823	
Iliamna Low South	ILS	Alaska,U.S.A.	59.9576N	153.0681W	1125	
Iliamna NE	INE	Alaska,U.S.A.	60.0608N	153.0620W	1585	From 1990-08-29
Iliamna NW	INW	Alaska,U.S.A.	60.0677N	153.1325W	1219	From 1990-08-29 to 1994-12-31
Iliamna South	IVS	Alaska,U.S.A.	60.0092N	153.0810W	2332	From 1990-08-29
Iliamna Southwest, Iliamna Volcano	ILSW	Alaska,U.S.A.	59.9832N	153.1425W	1318	From 2015-08-13
Iliamna Volcano East	IVE	Alaska,U.S.A.	60.0169N	153.0163W	1173	From 1996-01-01
Iliamna West	ILW	Alaska,U.S.A.	60.0600N	153.1360W	1722	From 1994-10-01
Ilic	MILC	Turkey,Turkey	39.5608N	38.6395E	1476	
ilic-Erzincan	ILIC	Turkey	39.4520N	38.5678E	1280	From 2008-12-25
Ilindi	ILIND	Tanzania	9.0818S	33.3327E	1919	From 2013-08-08 to 2015-11-04
Illa de Buda	CBUD	Spain	40.7044N	0.8263E	5	From 2016-03-15
Illapel	ILCH	Coquimbo,Chile	31.6358S	71.1694W	350	
Illfurth	ILLF	Alsace	47.6822N	7.2565E	305	From 2016-01-01
Illgraben, Alpage de Chandolin, VS	ILL15	Switzerland	46.2552N	7.6133E	2384	From 2018-06-19 to 2018-09-12
Illgraben, Fort du Bachet, VS	ILL16	Switzerland	46.2693N	7.5990E	2041	From 2018-06-19
Illica	MZ101	Italy	42.7037N	13.2632E	849	From 2016-10-11 to 2016-10-25
Illinizas Sur - Rasayacu	ILLI	Ecuador	0.7146S	78.7279W	3830	From 2011-10-21
Iloca	ILOC	Maule,Chile	34.9350S	72.1828W	7	
Iloilo	ILO	Panay,Philippines	10.7000N	122.5670E		
Iloiriento PS	PR32	Tanzania	2.8754S	36.1813E	2093	From 2013-01-22 to 2014-12-03
Ilombo	ILOM	Tanzania	9.2829S	33.3421E	2110	From 2013-08-08 to 2015-11-04
Ilorin	NGSA3	Nigeria	8.4814N	4.5143E	346	From 2020-09-01
Ilpa6	ILP6	Iran	35.4736N	50.4257E	1548	From 2021-06-01
I.L. Ranch, Tuscararo	M10A	Nevada,U.S.A.	41.5220N	116.5396W	1687	From 2006-05-05 to 2008-08-18
Ilulissat	ILULI	Greenland	69.2121N	51.1048W	53	From 2009-07-14
Ilulissat, Greenland	ILUG	Greenland	69.2170N	51.1080W	45	From 2004-05-14
Ilw as Safayhah	ALWS	Saudi Arabia	29.3103N	35.0650E		
Iyasky, Yalova	ILYS	Turkey	40.6128N	29.4390E	239	From 2006-05-31
Imadeyama	IMAT	Iwate,Japan	39.1067N	141.7600E	519	
Imagane	IMG	Hiyama,Japan	42.3905N	140.1444E	90	
Imajo	IMJ	Fukui,Japan	35.7982N	136.3028E	240	
Imangra	IMNS	Amurskaya Oblast',Russia	56.6200N	120.7100E	540	From 1975-01-01 to 1979-12-31
Imatra	IMAF	Finland	61.1804N	28.8816E	116	From 2021-12-16
Imbabura, San Roque	IMBA	Ecuador	0.2764N	78.1991W	3404	From 2011-10-24
Imerovigli	THT2	Crete,Greece	36.4351N	25.4218E	338	From 2011-11-05
Imi Mikki	IMK	Morocco	30.5239N	9.6517W	60	From 1991-12-17
imjado	IJDB	Republic of Korea	35.1028N	126.0651E	38	From 2019-03-18
Immerath	BD13	Nordrhein-Westfalen,Germany	51.0487N	6.4339E	96	From 2007-02-01
Imola, Italy	IMOL	Italy	44.3595N	11.7425E	-148	From 2010-08-10
Imperia	IMI	Italy	43.9105N	7.8932E	840	From 1983-01-01
Imperial	IMPE	California	32.9015N	115.5607W	-26	
Imperial Boulder Park, Ocotillo	IBP	California,U.S.A.	32.6611N	116.0929W	879	From 2010-04-06 to 2011-04-13
Imphal	IMP	Manipur,India	24.8311N	93.9466E	792	
Impruneta (FI)	T1614	Italy	43.7131N	11.2285E	240	From 2022-05-16 to 2022-09-07
Imredd Nice	NIMR	Provence-Cote d'Azur,France	43.6802N	7.2028E	1	From 2020-10-13
Imsbach	IMS	Rheinland-Pfalz,Germany	49.5940N	7.9008E	354	
Imsil	KSIMS	Republic of Korea	35.6055N	127.2859E	246	From 2000-12-06
Imwonan-gil	IMWB	Republic of Korea	37.2380N	129.3419E	54	From 2012-12-23
In Amguel	IAA	Algeria	23.8222N	5.1750E		
Inangahua Fire Station	INGS	South Island,New Zealand	41.8571S	171.9526E	73	From 2002-04-16
INCERC	INC6	Romania	44.4410N	26.1609E	77	From 2015-08-17
INCERC-Sediu Central	INCR	Romania	44.4410N	26.1611E	88	From 2008-02-20
Inchbonnie	INZ	South Island,New Zealand	42.7245S	171.4441E	165	From 2011-01-26
Inchbonnie Fitzsimmons	IFPS	South Island,New Zealand	42.7267S	171.4728E	156	From 2002-04-30
Incheon	KSINC	Republic of Korea	37.4776N	126.6240E	68	
Inch Island, Co Donegal	IDGL	Ireland	55.0730N	7.5100W	122	
Inchon	INC	Republic of Korea	37.4833N	126.6330E	70	
Inchon	INCN	Republic of Korea	37.4830N	126.6330E	420	
Inchope, A0297	M0297	Mozambique	19.2197S	33.8419E	281	
Incio	EINC	Spain	42.6600N	7.3500W	739	
Independence	IND	California,U.S.A.	39.4343N	120.2920W	2146	
Independent Ridge	RIDG	Alaska,U.S.A.	63.7399N	144.8462W	871	From 2007-07-01
Inder	INDER	Kazakhstan	48.5536N	51.7721E	50	From 2022-05-15
India	UMI	India	25.5167N	92.7333E		
Indiana Array	IN4	Indiana,U.S.A.	39.5697N	84.9029W		From 1980-01-01 to 1996-12-31
Indiana Array	IN1	Indiana,U.S.A.	40.5420N	85.8936W		From 1980-01-01 to 1996-12-31
Indiana Array	IN2	Indiana,U.S.A.	39.9390N	86.7831W		From 1980-01-01 to 1996-12-31
Indiana Array	IN3	Indiana,U.S.A.	39.2653N	85.7854W		From 1980-01-01 to 1996-12-31
Indiana State University	ISU	Indiana,U.S.A.	39.4714N	87.4075W	148	
Indian Gallows	SVG	St Vincent,Saint Vincent and the Grenadines	13.2450N	61.2780W	46	
Indian Hill Lake	IHLN	Northwest Territories,Canada	63.3052N	110.8911W	417	
Indian Lake	ILKN	Yukon Territory,Canada	64.2241N	115.1293W	266	
Indian Meadow	IMW	Wyoming,U.S.A.	43.8970N	110.9390W	2646	
Indian Mountain	IMA2	Alaska,U.S.A.	66.0688N	153.6871W	1318	
Indian Mountain	IMA	Alaska,U.S.A.	66.0685N	153.6790W	1380	
Indian Mountain Array Beam Reference Point	IMAR	Alaska,U.S.A.	65.9835N	153.7491W	372	
Indian Mountain Array Site 1	IM01	Alaska,U.S.A.	65.9969N	153.7225W	360	
Indian Mountain Array Site 2	IM02	Alaska,U.S.A.	66.0005N	153.7971W	645	
Indian Mountain Array Site 3	IM3	Alaska,U.S.A.	65.9835N	153.7490W	372	From 1993-07-01
Indian Mountain Array Site 4	IM04	Alaska,U.S.A.	65.9745N	153.7828W	587	
Indian Mountain Array Site 5	IM05	Alaska,U.S.A.	65.9751N	153.7253W	450	
Indianola	INDN	Nebraska,U.S.A.	40.1925N	100.4000W	762	
Indian Ridge	IRO	Oregon,U.S.A.	44.0053N	122.2543W	1642	
Indian Springs Canyon	ICU	Utah,U.S.A.	37.1497N	113.9235W	1451	
Indiantown	060A	Florida,U.S.A.	27.0361N	80.3618W	9	From 2012-03-15
Indian Trail	W56A	North Carolina,U.S.A.	35.1350N	80.5828W	177	From 2013-03-08
Indian Valley	PIVM	California,U.S.A.	35.9065N	120.6820W	497	From 1975-09-24
Indio Hills	INDC	California,U.S.A.	33.8162N	116.2300W	354	
Indio Mountain, Van Horn	425A	Texas,U.S.A.	30.7862N	104.9857W	1337	From 2008-03-15 to 2010-02-06
Indragiri Hilir, Riau, Sumatera Indonesia	IHRSI	Indonesia	0.9652S	102.7645E	70	From 2021-12-31
INEL Research	IRCI	Idaho,U.S.A.	43.5153N	112.0333W	1442	From 1990-03-15
Infanta	INF	Luzon,Philippines	14.7500N	121.6467E	5	
infrastation_cheorwon	CWS1	Republic of Korea	38.2888N	127.5869E	649	From 2013-03-06
infrastation_yeonchen	YCS4	Republic of Korea	38.1164N	126.9864E	65	From 2020-02-20
Ingaladian Volcano Observatory	VBIH	Philippines	12.8053N	124.0658E	432	
Ingas	INGI	Bali,Indonesia	8.8183S	115.1450E	202	
Inge Lehmann	ILG	Greenland	77.9467N	39.1833W	2401	
Ingelmoor High School	NIHS	Washington,U.S.A.	47.7413N	122.2226W	137	From 2002-06-04
Inglenook, Smith Ridge	INGLE	California	39.5292N	123.6984W	285	From 2018-01-01
Inglewood High School	INHS	North Island,New Zealand	39.1562S	174.1905E	210	From 2002-07-25
Ingram Canyon, Westley	S04C	California,U.S.A.	37.5049N	121.3278W	310	From 2004-12-20 to 2007-09-03
Ingram Point	VIPM	Oregon,U.S.A.	44.5082N	120.6190W	1731	
Ingram Ranch	ING	California,U.S.A.	32.9883N	115.3100W	2	From 1973-04-16 to 2010-04-28
INGV via di Vigna Murata, Rome	NR26	Italy	41.8287N	12.5155E	52	From 2021-01-22 to 2021-04-06
INGV Viale Pinturicchio, Rome	NR17	Italy	41.9314N	12.4662E	15	From 2021-01-22 to 2021-04-08
INJE	KSIJA	Republic of Korea	37.9867N	128.1111E	224	From 2006-12-30
Inje Acc Borehole	IJAA	Republic of Korea	37.9471N	128.3247E	326	From 2015-10-01
Injebuk	IJBA	Republic of Korea	38.1208N	128.3173E	429	From 2018-03-09
Ink	IK-AR	Arkansas,U.S.A.	34.6194N	94.1025W	305	From 1962-11-10 to 1962-12-13
Ink	IK-	Arkansas,U.S.A.	34.6194N	94.1025W	305	From 1962-11-10 to 1962-12-13
In-Ko-Pah, Jacumba	IKP	California,U.S.A.	32.6501N	116.1095W	906	From 1972-11-08 to 2010-04-28
Innaminka	INKA	South Australia,Australia	27.7410S	140.7456E	75	From 2013-07-17
Inndyr	NBB05	Norway	67.0368N	14.0306E	13	From 2013-08-01 to 2016-06-01
Innerthal, SZ	A061A	Switzerland	47.0984N	8.9252E	914	From 2015-10-14
Innhavet	N2IH	Norway	67.9662N	15.9367E	28	From 2013-08-01 to 2016-05-30
Innoko River	J18K	Alaska,U.S.A.	63.4650N	156.7154W	506	From 2017-06-02

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Innrieyrar	IIEY	Iceland	64.0953N	18.1239W	652	From 2013-08-15
Innsbruck	INN	Austria	47.2667N	11.4000E	575	
Innsbruck	IBK	Austria	47.2606N	11.3847E	580	From 1973-03-01
Inskoy, Kemerovskaya Oblast', Russia	BELD1	Kemerovskaya Oblast'	54.4555N	86.4346E	191	From 2023-08-31
Inspiration	INS	California,U.S.A.	33.9356N	116.1940W	1700	From 1974-04-01 to 2010-04-28
Inst. de Cultura de B.C.	ICBC	Baja California	32.6638N	115.4720W	7	From 2015-05-29
Institut Agronomique	IAG	Guadeloupe,France	16.0840N	61.6000W	250	
Institut de recherche pour le dveloppement - Quito	IRDE	Ecuador	0.1972S	78.4810W	2810	
Institute	INSR	Kamchatskaya Oblast',Russia	53.0661N	158.6050E	175	
Institute of Geosciences in Tirana	TIR1	Albania	41.3357N	19.8078E	150	From 2014-01-15
Instituto de Ingenieria, UNAM	IIM	Mexico D.F.,Mexico	19.3260N	99.1820W	2275	
Instituto de Meteorologia, Lisbon	INMG	Portugal	38.7743N	9.1257W	93	From 1993-02-01
Instituto Hidrografico de la Armada	IHA	Valparaiso,Chile	33.0258S	71.6411W	88	From 1988-01-01
INT	INT	Costa Rica	9.8147N	84.6088W	125	From 2002-04-11 to 2002-10-01
Inta	IN0	Komi	66.0125N	60.2201E	71	From 2021-08-04
Interamericana de San German Puerto Rico	ISPR	Puerto Rico	18.0848N	67.0490W	85	From 2021-05-06
Interlachen	657A	Florida,U.S.A.	29.5852N	81.8665W	34	From 2012-02-08
Interlaken, Schloss	SINS	Switzerland	46.6869N	7.8642E	568	From 2012-10-01
Intermountain REC, Tulelake, California	TULE	California	41.9626N	121.4673W	1231	From 2018-09-01
International Monitoring System (IMS) Pinon Flats Observatory	IPFO	USA	33.6115N	116.4594W	1272	From 2006-08-21
InterUniversity Guayama PR	IGPR	Puerto Rico	17.9654N	66.1068W	24	From 2012-09-01
Intevep	INTV	Venezuela	10.3878N	67.0514W	1594	From 2004-01-23
Intipuca	INTP	El Salvador	13.1975N	88.0543W	167	
Intorsura_Buzaului	IBZR	Romania	45.6681N	26.0567E	698	From 2022-07-07
Introdacqua	INTR	Italy	42.0115N	13.9046E	924	From 2003-08-29
Inubo	INB	Chiba,Japan	35.7031N	140.8603E	32	
Inukjuak	INUQ	Quebec,Canada	58.4509N	78.1186W	12	From 2006-09-12
Inuvik	INK	Northwest Territories,Canada	68.3065N	133.5254W	44	From 1969-02-22
Inuyama	INU	Aichi,Japan	35.3488N	137.0170E	140	From 1966-06-01
Inveralochy	IVN	New South Wales,Australia	34.9667S	149.6670E	650	From 1972-08-09 to 1983-06-14
Inveralochy	IVY	New South Wales,Australia	34.9722S	149.7180E	650	From 1983-06-14
Inveralochy	INV	New South Wales,Australia	34.9650S	149.6670E	650	From 1959-01-01 to 1983-06-14
Invercargill City Council	ICCS	South Island,New Zealand	46.4116S	168.3469E	23	From 2002-06-11
Invergeldie, Comrie	INVG	Scotland,United Kingdom	56.4273N	4.0452W	279	From 2010-07-10
Inverness	IVSM	Victoria,Australia	36.1338S	147.0681E	330	
Invillino	FINV	Italy	46.4050N	12.9400E	359	From 2001-05-05
Iona Station	K51A	Ontario,Canada	42.7223N	81.5082W	217	From 2012-12-07
Ion Corvin	ICOR	Romania	44.1168N	27.8009E	121	From 2011-10-12
Ione	IO-	Nevada,U.S.A.	38.5258N	117.6389W	1737	
Ione	IO-NV	Nevada,U.S.A.	38.5258N	117.6389W	1737	
Ios island	IOSP	Greece	36.7233N	25.2890E	226	From 2012-03-07
Ipameri	BAT3	Goias	17.3991S	47.5395W	779	From 2016-03-09
Ipameri	BAT5	Goias	17.2854S	47.5353W	890	From 2016-03-11
Ipameri, GO	IPMB	Goias,Brazil	17.9830S	48.2117W	706	From 2012-10-26
Ipanguacu	IPA	Rio Grande do Norte,Brazil	5.6958S	36.8561W	65	From 1987-08-01
Ipato,Thiva,Greece	THI1	Greece	38.3878N	23.3945E	197	From 2021-07-11
Ipeti	IPE	Panama	8.9772N	78.4933W	50	
Ipil	IPIL	Mindanao,Philippines	7.7880N	122.5710E	50	
Ipitacuapi	ITIT	Bolivia	20.2538S	63.1618W	823	From 1994-05-30 to 1995-08-08
IPOC Station PB01	PB01	Tarapaca,Chile	21.0432S	69.4874W	900	From 2006-02-21
IPOC Station PB02	PB02	Tarapaca,Chile	21.3197S	69.8960W	1015	From 2006-05-06
IPOC Station PB03	PB03	Antofagasta,Chile	22.0485S	69.7531W	1460	From 2006-05-19
IPOC Station PB04	PB04	Antofagasta,Chile	22.3337S	70.1492W	1530	From 2006-05-17
IPOC Station PB05	PB05	Chile	22.8528S	70.2023W	1150	From 2006-05-18
IPOC Station PB06	PB06	Antofagasta,Chile	22.7058S	69.5719W	1440	From 2007-03-04
IPOC Station PB07	PB07	Antofagasta,Chile	21.7267S	69.8862W	1560	From 2007-02-27
IPOC Station PB08	PB08	Tarapaca,Chile	20.1411S	69.1534W	3070	From 2007-03-01
IPOC Station PB09	PB09	Antofagasta,Chile	21.7964S	69.2419W	1530	From 2008-02-06
IPOC Station PB10	PB10	Antofagasta,Chile	23.5134S	70.5541W	250	From 2008-02-03
IPOC Station PB11	PB11	Tarapaca,Chile	19.7610S	69.6558W	1410	From 2008-12-05
IPOC Station PB12	PB12	Chile	18.6141S	70.3281W	908	From 2010-12-04
IPOC Station PB13	PB13	Chile	18.3359S	69.5016W	4730	From 2009-11-19 to 2011-10-30
IPOC Station PB14	PB14	Chile	24.6260S	70.4038W	2620	From 2009-07-10
IPOC Station PB15	PB15	Chile	23.2083S	69.4709W	1830	From 2011-04-17
IPOC Station PB16	PB16	Chile	18.3351S	69.5077W	4480	From 2011-11-03
IPOC Station PX02	PX02	Tarapaca	18.9633S	70.1981W	990	From 2016-11-22
IPOC Station PX03	PX03	Tarapaca	20.4035S	69.6309W	990	From 2016-11-23
IPOC Station PX05	PX05	Antofagasta	21.9397S	70.0612W	1890	From 2016-11-09
Ipoh	IPM	Peninsular Malaysia,Malaysia	4.4795N	101.0255E	247	From 1979-05-26
Ipotesti	RO15A	Romania	44.3138N	24.3983E	110	From 2022-06-07
IPPL - HMU, Tria Monastiria, Rethimno,Crete	IPPL	Crete	35.3487N	24.4632E	193	From 2020-10-01
Ipv	AIPV	Salta,Argentina	24.7874S	65.4197W	1180	From 2005-08-23
Iquique	ICC	Tarapaca,Chile	20.2840S	70.0350W	950	
Iquique	IQQ	Tarapaca,Chile	20.2408S	70.1278W		From 1976-01-01
Ira	IVT	Vermont,U.S.A.	43.5221N	73.0533W	295	
Irabujima	JIRJ	Ryukyu Islands	24.8335N	125.1938E	49	From 2020-02-28
Irabujima	JIRB	Ryukyu Islands,Japan	24.8282N	125.1728E	19	From 2010-02-01
Iran Long-Period Array	IR6	Iran	35.4737N	50.4256E	1540	From 1976-01-01
Iran Long-Period Array	IR1	Iran	35.4160N	50.6890E	1347	From 1976-01-01
Iran Long-Period Array	IR2	Iran	35.6628N	50.8976E	1172	From 1976-01-01
Iran Long-Period Array	IR7	Iran	35.7028N	50.6089E	1305	From 1976-01-01
Iran Long-Period Array	IR5	Iran	35.2128N	50.5811E	1385	From 1976-01-01
Iran Long-Period Array	IR3	Iran	35.4761N	51.0238E	989	From 1976-01-01
Iran Long-Period Array	IR4	Iran	35.2387N	50.9012E	1373	From 1976-01-01
Iranshahr	IRSH	Iran	27.2000N	60.7000E	0	
Iranshahr-Savaran	IRSR	Iran	26.9625N	60.8738E	951	From 2021-05-01
Irapuato, Guanajuato	IGIG	Guanajuato,Mexico	20.7531N	101.3278W	1809	
Irene McRaven, Queen City	Z39A	Texas,U.S.A.	33.2418N	94.1822W	112	From 2010-04-27 to 2012-01-24
Irimote jima	IRI	Ryukyu Islands,Japan	24.3857N	123.7493E	9	From 1991-03-01
Iringa	IRIN	Tanzania,United Republic of Tanzania	7.7620S	35.6865E	1577	
Iriomote-Funauki	IRIF	Ryukyu Islands,Japan	24.3348N	123.7300E	5	From 2004-03-04
Iriomotejima-uehara	JIRU	Ryukyu Islands	24.4248N	123.7907E	15	From 2021-02-25
Iris	IRS	California,U.S.A.	33.1908N	115.4290W	-10	
IRIS PASSCAL Instrument Center, Socorro	Y22C	New Mexico,U.S.A.	34.0741N	106.9211W	1436	From 2004-05-07 to 2007-09-28
IRIS PASSCAL Instrument Center, Socorro	Y22D	New Mexico,U.S.A.	34.0739N	106.9210W	1436	From 2007-09-29
IRIS PASSCAL Instrument Center, Socorro	Y22E	New Mexico,U.S.A.	34.0742N	106.9208W	1444	From 2011-03-28 to 2012-08-06
Irkutsk	IRK	Irkutskaya Oblast',Russia	52.2431N	104.2711E	467	
Iron Bridge	E47A	Ontario,Canada	46.4547N	83.2777W	246	From 2012-11-09
Iron Canyon	IRC	California,U.S.A.	34.3885N	118.4030W	533	From 1971-11-01 to 2010-04-28
Iron Canyon	IR2C	California,U.S.A.	34.3881N	118.3997W	562	
Iron Mountain	NIMB	California,U.S.A.	38.5614N	122.2654W	550	
Iron Mountain	IMU	Utah,U.S.A.	38.6331N	113.1580W	1832	From 1988-09-29
Iron Mountain Pumping Sta,Desert Center	IRM	California,U.S.A.	34.1574N	115.1451W	567	From 2001-12-05
Iron Mountains	IRN	California,U.S.A.	34.1600N	115.1840W	980	
Iron Peak	KIPM	California,U.S.A.	39.8087N	123.4810W	1367	
Isaakyan	ISKY	Armenia	40.6000N	43.7000E	1435	
Isabella, Hillsboro	R34A	Kansas,U.S.A.	38.3008N	97.2470W	437	From 2010-05-17 to 2012-03-15
Isabella, Lake Isabella	ISA	California,U.S.A.	35.6628N	118.4740W	873	From 1946-03-16
Isangel	INH	Vanuatu	19.5472S	169.2730E	110	From 1970-06-10
Isanotski	ISTK	Alaska,U.S.A.	54.7321N	163.7063W	704	
Isanotski Lazaref River	ISLZ	Aleutian Islands, Alaska,U.S.A.	54.7260N	163.7110W	631	From 2009-01-01
Isanotski North	ISNN	Alaska,U.S.A.	54.8323N	163.7784W	466	
Ischia Barano (NA)	IBRN	Italy	40.7140N	13.9268E	142	From 2018-07-26
Ischia Castello Aragonese, Ischia (NA), Italy	ICAI	Italy	40.7313N	13.9653E	80	From 1996-01-01
Ischia Forio Monte Corvo (NA) Italy	IMTC	Italy	40.7209N	13.8758E	209	From 2015-04-17
Ischia Forio Punta Imperatore (NA) Italy	IFOR	Italy	40.7115N	13.8551E	234	From 2009-10-01
Ischia Forio, Villa la Colombaia (NA)	IVLC	Italy	40.7591N	13.8721E	93	From 2018-07-27
Ischia Montagnone (NA)	IMNT	Italy	40.7361N	13.9346E	170	From 2018-07-26
Ischia Osservatorio Casamicciola	IOCA	Italy	40.7468N	13.9014E	110	From 2011-02-09
Ischia Porto, Stazione Anton Dhorn (NA)	IPSM	Italy	40.7462N	13.9438E	53	From 2018-07-02
Ischitella (FG) Italy	OT14	Italy	41.8967N	15.9069E	400	From 2013-04-15
Ise	ISE	Mie,Japan	34.4585N	136.7740E	440	From 1963-10-01
Ise	JIE	Mie,Japan	34.3917N	136.7067E	135	
Isernia Ospedale	ISNH	Italy	41.5837N	14.2231E	397	From 2019-05-22
Isfjord	ISF	Svalbard,Norway	78.0592N	13.6403E	5	
Ishigaki jima	ISI	Ryukyu Islands,Japan	24.3317N	124.1633E	6	
Ishigaki jima 2	JIJ	Ryukyu Islands,Japan	24.3635N	124.1428E	78	
Ishigakijimahirakubo	JISG	Ryukyu Islands,Japan	24.5870N	124.3107E	13	From 2010-02-01
Ishigaki Ryukyu Islands	ISHJ	Ryukyu Islands,Japan	24.3800N	124.2300E	50	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ishihara	IHR	Kochi,Japan	33.6879N	133.4710E	510	From 1967-04-01 to 1999-08-25
Ishii	ISIK	Tokushima,Japan	34.0573N	134.4581E	27	
Ishikarishitsubu	JISS	Ishikari,Japan	43.2753N	141.4175E	60	From 2012-11-01
Ishinomaki	ISN	Miyagi,Japan	38.4250N	141.3030E	44	
Ishinomakikobuchihama	JIKH	Miyagi,Japan	38.3107N	141.4655E	58	From 2012-11-01
Ishipane	K05	Iwate,Japan	39.3822N	141.5139E	463	
Ishkashim	ISHK	Tajikistan	36.7033N	71.6388E	2557	From 1986-10-15
Ishtalitna Creek	H22K	Alaska,U.S.A.	65.8937N	151.3773W	561	From 2016-06-14
Ishtion	ISH	Tajikistan	38.8333N	70.7833E	1880	
Isiata (VE)	A301A	Italia	45.6198N	12.6210E	2	From 2015-10-29
Isikli	IKL	Turkey	36.2386N	33.6853E	120	From 1988-01-01
Iskenderun	COBT	Turkey	36.5197N	36.2556E	1710	From 1994-02-17
Isla Aves	IAV	Venezuela	15.7000N	63.6000W	0	
Isla Barro Colorado	BCIP	Panama	9.1665N	79.8373W	61	
Isla Caja de Muertos, Puerto Rico	ICMP	Puerto Rico	17.8863N	66.5267W	9	From 2009-10-01
Isla Caja Muertos	ICM	Puerto Rico	17.8934N	66.5210W	7	
Isla Coronado	CORX	Baja California	32.4154N	117.2480W	74	From 2018-05-17
Isla Dawson	MG03	Magallanes	53.8480S	70.4628W	102	From 2015-04-15
Isla de Alboran	ALR	Spain	35.9392N	3.0350W	10	From 1978-10-01 to 1999-08-25
Isla de Gorgona	GRGC	Colombia	3.0028N	78.1672W	64	From 2010-08-29
Isla de la Plata	ISPT	Ecuador	1.2621S	81.0736W	190	From 2008-12-18
Isla del Cano	IDC	Costa Rica	8.7133N	83.8698W	10	From 1987-01-01
Isla del Coco	ICC1	Puntarenas Province,Costa Rica	5.5439N	87.0551W	10	From 2015-06-18
Isla del Coco	ICO	Costa Rica	5.5461N	87.0555W	25	
Isla de Lobos, Fuerteventura	CLOB	Canary Islands	28.7649N	13.8149W	81	From 2014-10-27
Isla de Pascua	VA02	Valparaso,Chile	27.1603S	109.4347W	49	From 2013-08-14
Isla de Pascua	PSC	Easter Island,Chile	27.1583S	109.4340W	50	From 1965-08-01 to 1999-08-25
Isla de Providencia	PRVC	Colombia	13.3762N	81.3635W	63	From 2012-05-01
Isla Desecheo	IDE	Puerto Rico	18.3864N	67.4741W	203	From 1977-02-15
Isla e San Andrs, Archipielago de San Andres, Providencia y Santa Catalina	SAIC	Colombia	12.5372N	81.7120W	31	From 2018-11-16
Isla Fernandina	FERN	Galapagos,Ecuador	0.2667S	91.4450W	3	
Isla Gorgona, Cauca	CGR1C	Colombia	3.0028N	76.1669W	46	From 2013-12-04
Isla Guadalupe	IGM	Baja California,Mexico	28.8842N	118.2917W	65	
Isla Isabel II, Islas Chafarinas	CHAS	Morocco	35.1835N	2.4309W	86	From 2007-11-07 to 2009-04-12
Isla La Blanquilla	IBAV	Venezuela	11.8230N	64.5770W	100	From 2002-07-06
Isla La Orchila	ORCV	Venezuela	11.8120N	66.1940W	22	From 2003-01-15
Isla Las Cabras	ILCA	Chile	42.0606S	72.5367W	15	
Isla Los Monjes	IMOV	Venezuela	12.3590N	70.9020W	67	From 2003-10-10
Isla Los Testigos	ITEV	Venezuela	11.3550N	63.1320W	13	From 2002-07-10
Islamabad	ISBA	Pakistan	33.7000N	73.1000E	626	From 2010-11-28
Isla Mocha	BI04	Bio-Bio	38.4120S	73.8853W	26	From 2013-08-25
Isla Mona	IMO	Puerto Rico	18.1095N	67.9081W	3	From 1977-02-15
Isla Mona	IMOB	Puerto Rico	18.0500N	67.8700W	93	
Isla Mona	IMR	Puerto Rico	18.0884N	67.8463W	55	From 1975-11-14 to 1977-01-10
Island Lagoon	ILN	South Australia,Australia	31.3931S	136.8700E	137	
Isla Puna	ISPU	Ecuador	2.8078S	80.2415W	30	From 2012-12-05
Isla Puna-Puerto Grande	ISPG	Ecuador	2.9687S	80.1695W	500	From 2014-05-14
Isla Riesco	MG04	Magallanes	52.8572S	71.5700W	82	From 2015-02-14
Isla Saona	SADR	Dominican Republic	18.1923N	68.7792W	3	From 2014-10-07
Isla Saona	SAON	Dominican Republic	18.1833N	68.7667W	0	
Islas Columbretes	ECOL	Spain	39.8986N	0.6848E	41	From 2013-10-01
Islas Juan Fernandez	IJF	Juan Fernandez Islands,Chile	33.6167S	78.8333W	6	
Islas Marias	IMM	Nayarit,Mexico	21.6200N	106.5800W		
Isla Socorro	H06N	Colima,Mexico	18.8600N	110.9900W	10	
Isla Socorro	SRR	Colima,Mexico	18.7254N	110.9524W	60	From 1974-01-01
Islas Secas	ISECA	Panama	7.9820N	82.0320W	22	
Isle de Caille	GRIC	Grenada	12.2856N	61.5858W	46	From 2003-05-23
Isle of Man	WIM	Isle of Man	54.1472N	4.6735W	365	From 1985-01-01
Isle of Wight	SIW	England,United Kingdom	50.6711N	1.3747W	162	
Isle Royale National Park	C40A	Michigan,U.S.A.	47.9154N	89.1514W	216	From 2011-09-28
Ismay	E23A	Montana,U.S.A.	46.4978N	105.3062W	750	From 2008-10-30 to 2010-08-04
Ismayilli	ISM	Azerbaijan	40.8060N	48.2100E	926	From 1982-01-01 to 2003-01-01
Ismayilli	IML	Azerbaijan	40.7930N	48.1820E	728	From 2003-03-29
Ismayilll	ISL	Azerbaijan	40.8100N	48.1700E	755	From 2003-01-01
Isnello	ISNL	Italy	37.9441N	14.0062E	584	From 2023-08-22
Isoka	IKZ	Zambia	10.1713S	32.6460E	1350	From 1984-01-01
Isola	ISO	Provence-Cote d'Azur,France	44.1833N	7.0500E	876	From 1960-01-01
Isola Capo Rizzuto	FRAE	Italy	38.9943N	17.1503E	127	From 2011-11-30
Isola della Scala	PDN5	Italy	45.2714N	11.0106E	31	From 2021-07-30
ISOLA DELLA SCALA	ISD	Italy	45.2733N	10.9602E	400	From 2010-08-17
Isola di Gorgona	GROG	Italy	43.4262N	9.8920E	118	From 2005-08-03
Isola Di Gorgona	GORG	Italy	43.4276N	9.8946E	228	From 2003-09-30 to 2005-08-03
Isola di Marettimo	IMT	Sicily,Italy	37.9567N	12.0783E		
Isola Levanzo	LVI	Sicily,Italy	37.9861N	12.3389E	30	
Isola Levanzo	LV9	Sicily,Italy	37.9856N	12.3374E	20	
Isole Tremiti	TREM	Italia	42.1239N	15.5108E	113	From 2014-06-11
Isolfsskali	IISS	Iceland	63.8630N	22.3030W	137	From 2020-01-28 to 2021-06-23
Isortoq, Greenland	ISOG	Greenland	65.5480N	38.9757W	12	From 2007-07-24
Isparta	ISP	Turkey	37.8226N	30.5221E	1100	
Isparta, Yalvac-Ozguney	YVAC	Turkey	38.2709N	31.2395E	1185	From 2014-12-01
ISPICA	ISPIC	Italy	36.7804N	14.9032E	165	From 2019-02-28
Ispir	EISP	Turkey	40.4873N	41.0080E	1200	From 2007-01-01 to 2012-08-31
Issarbe	ISSF	Aquitaine,France	43.0278N	0.7953W	1210	
Istanbul	IST1	Turkey	41.0433N	28.9850E	65	
Istanbul	ITU	Turkey	41.1062N	29.0148E	98	From 1989-01-02
Istanbul	IST	Turkey	41.0456N	28.9958E	50	From 1962-02-20 to 1989-01-02
Istanbul-Kandilli	ISK	Turkey	41.0656N	29.0592E	132	From 1935-01-01
Istric ta	ISRF	Romania	45.1186N	26.5433E	763	
Istrita	ISR	Romania	45.1188N	26.5431E	750	From 1977-03-01
ISU Calarasi	CLISU	Romania	44.1901N	27.3557E	59	From 2012-10-31
ISU Dolj	DJISU	Romania	44.2971N	23.8363E	160	From 2012-11-21
ISU Giurgiu	GRISU	Romania	43.8898N	25.9518E	66	From 2012-10-31
ISU Mehedinti	MHISU	Romania	44.6227N	22.6535E	102	From 2012-10-31
ISUMI INFRASONIC ARRAY REFERENCE POINT	I30JP	Chiba,Japan	35.3078N	140.3138E	52	From 2005-02-28
ISU Olt	OTISU	Romania	44.4278N	24.3755E	210	From 2012-10-31
ISU Teleorman	TRISU	Romania	43.9719N	25.3296E	87	From 2012-10-31
Itabira, Brazil	CHCR	Minas Gerais	19.6130S	43.2399W	980	From 2017-05-10
Itadori	ITD	Gifu,Japan	35.7238N	136.7804E	390	
Itaipu	ITB	Parana,Brazil	24.7936S	54.2089W	300	
Itaipu 1	ITB1	Parana,Brazil	24.6467S	54.3886W		From 1983-01-01
Itaipu 7	ITB7	Parana,Brazil	25.1222S	54.1753W	400	
Itaituba	ITTB	Para,Brazil	4.3672S	55.7343W	118	From 2014-05-05
Itaka	ITKT	Tanzania,United Republic of Tanzania	8.8728S	32.7830E	1590	From 1992-06-14
Itakohorinouchi	JIHU	Ibaraki,Japan	35.9658N	140.5258E	11	From 2012-07-01
Italian Canyon	ICI	Idaho,U.S.A.	44.3293N	112.9410W	2463	From 1992-01-01
Itanagar	INR	Arunachal Pradesh,India	27.0800N	93.6000E		From 1981-05-01
ITANAGAR	ITAN	Arunachal Pradesh,India	27.1445N	93.7220E	217	From 2011-05-01
Itanhaem-SP	PET01	Sao Paulo,Brazil	24.2901S	47.2753W	150	From 2011-01-30
Itaparica	ITR	Pernambuco,Brazil	8.7614S	38.4233W	321	
Itaparica 2	ITR2	Pernambuco,Brazil	9.0970S	38.2548W	375	
Itaparica 5	ITR5	Pernambuco,Brazil	8.9998S	38.4595W	315	
Itapeh - BA	NBIT	Bahia,Brazil	14.9307S	39.4345W	183	From 2011-10-13
Itaqui	ITQB	Rio Grande do Sul,Brazil	29.6714S	56.6241W	80	From 2013-12-01
Itatiaia	ITA	Rio de Janeiro,Brazil	22.3756S	44.7017W	2530	
Itaya	JFI	Fukuoka,Japan	33.4272N	130.3883E	660	
Itea	ITE1	Greece	38.4338N	22.4272E	14	From 2012-09-15
ITESIL, Dajabon	LODA1	Dominican Republic	19.5448N	71.7045W	42	From 2016-01-14 to 2018-09-12
Itezhi-Tezhi	ITZ	Zambia	15.7465S	26.0157E	1106	From 1984-01-01
Ithaca	ITH	New York,U.S.A.	42.4500N	76.4833W	243	From 1909-01-01 to 1999-08-25
Ithaca	INY	New York,U.S.A.	42.4438N	76.4836W	238	From 1972-08-05
Ithaki	ITC1	Greece	38.3645N	20.7156E	1	From 2012-10-01
Ithomi	ITM	Greece	37.1797N	21.9267E	400	From 1974-10-01
Ithomi	ITHO	Greece	37.1786N	21.9252E	400	
Itkillik River	C23K	Alaska,U.S.A.	69.8360N	150.6126W	179	From 2016-06-20
Ito	ITO	Shizuoka,Japan	34.9667N	139.1000E		From 1937-06-01 to 1949-09-30
Itoigawa	ITGE	Niigata,Japan	37.0082N	137.9992E	270	
Itoiz	IPRE	Spain	42.8058N	1.3564W	530	From 2005-05-18
It Ong	MLVB	Vietnam	21.5060N	104.0315E	205	
Itumba	ITBT	Tanzania,United Republic of Tanzania	9.4287S	33.1858E	1270	From 1992-06-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Iturama	ITRB	Minas Gerais,Brazil	19.7042S	50.3590W	431	From 2012-09-01 to 2099-01-01
Itzapa	ITG	Guatemala	14.5968N	90.8455W	2320	From 1984-07-01
Iul'tin	ILT	Magadanskaya Oblast',Russia	67.8700N	178.7300W	244	
Iuzhnay	IUG	Kazakhstan	42.1470N	70.0310E	1200	From 1989-09-01
Ivancsa	A271A	Hungary	47.1547N	18.8341E	165	From 2016-01-13
Ivanjica	IVAS	Serbia	43.5764N	20.1524E	811	From 2008-10-22
Ivanof Bay	IVF	Alaska,U.S.A.	55.8958N	159.5300W	275	
Ivanovka	IVK	Irkutskaya Oblast',Russia	51.8009N	104.4140E	470	From 2011-05-29
Iverson Ranch	PIRM	California,U.S.A.	35.5544N	120.2234W	471	
IVIC	IVIV	Venezuela	10.4038N	66.9743W	2375	From 2004-02-17
Ivigtut	IVI	Greenland	61.2058N	48.1712W	15	From 2011-09-12
IVREA	IVR	Italy	45.4700N	7.8822E	310	From 2008-09-10
Ivujivik	IVKQ	Quebec,Canada	62.4184N	77.9113W	7	From 2006-09-16
Iwai-Kita	IWJ	Chiba,Japan	35.0981N	139.8714E	0	
Iwaki	IWK	Fukushima,Japan	37.0000N	140.9490E	35	
Iwakimizuishiyama	ONAJ	Fukushima,Japan	37.1017N	140.7983E	650	From 2002-03-28
Iwanai	IWN	Hokkaido,Japan	42.6705N	143.0462E	235	From 1976-07-01
Iwaosan	IWO	Mie,Japan	34.8825N	136.1322E	400	
Iwasaki	JIW	Aomori,Japan	40.5928N	140.0070E	330	
Iwateshizukuishi	JSZI	Iwate,Japan	39.7415N	140.9527E	256	From 2012-07-01
Iwatsuki	IWT	Saitama,Japan	35.9258N	139.7381E	-3501	
Iwo jima	YUO	Bonin Islands,Japan	24.7833N	141.3170E		
Ixc¡n	QCIX	Guatemala	16.0034N	90.7772W	195	From 2021-07-12
Ixhuatan	IHC	Chiapas,Mexico	17.2906N	93.0083W		
Ixpaco	IXG	Guatemala	14.1717N	90.4413W	1520	From 1984-10-01
Ixtacomitan	IXC	Chiapas,Mexico	17.4272N	93.1008W		
Ixtapalapa	IXT	Mexico D.F.,Mexico	19.4000N	99.1000W		
Iza	SRO1	Slovakia	47.7622N	18.2328E	111	From 2004-09-25
Izabal, Puerto Barrios	IZABA	Guatemala	15.7300N	88.5843W	10	From 2013-01-01
Izabela	IZAB	Slovakia	48.5689N	19.7126E	450	From 2013-11-20
Izee	I07A	Oregon,U.S.A.	44.0820N	119.5042W	1293	From 2006-07-21 to 2009-01-08
izmir	DAGE	Turkey	38.0040N	27.7508E	654	From 2020-10-13
izmir	BEYE	Turkey	38.2270N	26.9271E	336	From 2020-10-13
Izmir	IZM	Turkey	38.3978N	27.2625E	632	From 1973-03-18
Izmir	URLA	Turkey	38.3602N	26.5955E	495	From 2005-05-03
zmir	ZEY	Turkey	38.2389N	26.5033E	76	From 2007-11-30
zmir	DGB	Turkey	38.0521N	26.8826E	22	From 2007-04-04
zmir-Bergama	ZEDA	Turkey	38.9665N	27.0771E	174	From 2013-02-19
zmir-Karaburun	KARB	Turkey	38.6635N	26.4120E	207	From 2017-02-12
Izmir, Urla-Zeytineli	ZEYE	Turkey	38.2390N	26.5032E	75	From 2014-12-02
Iznik	IZI	Turkey	40.3368N	29.4728E	910	From 1990-01-01
Iznik	IZN	Turkey	40.4338N	29.7605E	195	From 1978-11-01 to 1999-08-25
Izon-la-Bruisse	OG28	Rhone-Alpes,France	44.2582N	5.5975E	1040	From 1991-07-18
Izrael	IZRL	Israel	32.5629N	35.3227E	104	From 2018-03-05
Iztapalapa	IPVM	Mexico D.F.	19.3460N	99.0913W	2369	
Izuhara	IZUJ	Nagasaki,Japan	34.1950N	129.2930E	3	From 1991-09-01
Izuhara	IZU	Nagasaki,Japan	34.1950N	129.2933E	18	
Izuhara 2	IZU2	Nagasaki,Japan	34.2273N	129.2733E	410	From 1991-02-26 to 2002-10-23
Izuhatsuma	JHTM	Shizuoka,Japan	34.9588N	139.0087E	230	From 2012-11-01
Izumi	JIU	Kumamoto,Japan	32.5733N	130.7933E	230	
Izumi	IZT	Hyogo,Japan	34.9722N	134.8876E	230	
Izumi 2	JIU2	Kumamoto,Japan	32.5453N	130.8145E	260	
Izumi3	JIU3	Kumamoto,Japan	32.5490N	130.8127E	250	From 2013-04-01
Izumosakaura	JISK	Shimane,Japan	35.5005N	132.8488E	166	From 2013-07-01
Izumozaki	JIZZ	Niigata,Japan	37.5317N	138.7095E	40	
Izushimoda	JIZS	Shizuoka,Japan	34.7178N	138.8782E	135	
Izvestkoviy	IZV	Kazakhstan	43.0360N	76.6130E	1720	From 1992-09-01
Izvoarele	IZVR	Romania	45.5432N	27.7672E	59	From 2013-09-28
Izvoarele B	IZVB	Romania	45.5619N	27.7686E	58	From 2013-10-05
zzettin, Seydikemer, Mula	IZZE	Turkey	36.4368N	29.2256E	305	From 2017-02-10
J06A7	J06A7	Pacific Ocean West Coast USA	43.2515N	128.8010W	-3224	From 2011-11-19 to 2012-05-14
J06B	J06B	Pacific Ocean West Coast USA	43.2652N	128.7997W	-3220	From 2012-08-26 to 2013-06-07
J06D	J06D	Pacific Ocean West Coast USA	43.2526N	128.8041W	-3245	From 2014-07-28 to 2015-08-03
J09B	J09B	Pacific Ocean West Coast USA	40.2011N	124.7270W	-252	From 2012-09-01 to 2013-06-21
J09D	J09D	Pacific Ocean West Coast USA	43.1514N	124.7271W	-252	From 2014-09-10 to 2015-10-07
J10B	J10B	Pacific Ocean West Coast USA	43.3494N	125.5435W	-3093	From 2012-08-31 to 2013-06-18
J10D	J10D	Pacific Ocean West Coast USA	43.3485N	125.5451W	-3085	From 2014-09-09 to 2015-10-03
J11B	J11B	Pacific Ocean West Coast USA	43.5414N	126.3673W	-3030	From 2012-08-30 to 2013-08-10
J11D	J11D	Pacific Ocean West Coast USA	43.5416N	126.3686W	-3000	From 2014-07-12 to 2015-09-01
J17B	J17B	Pacific Ocean West Coast USA	43.7900N	124.6148W	-286	From 2012-07-16 to 2013-06-29
J17D	J17D	Pacific Ocean West Coast USA	43.7873N	124.6134W	-285	From 2014-09-09 to 2015-10-03
J18B	J18B	Pacific Ocean West Coast USA	44.0083N	125.4660W	-3047	From 2012-08-31 to 2013-06-18
J18D	J18D	Pacific Ocean West Coast USA	43.9772N	125.4814W	-3050	From 2014-09-08 to 2015-10-10
J19B	J19B	Pacific Ocean West Coast USA	44.1777N	126.2717W	-2968	From 2012-08-30 to 2013-06-10
J19D	J19D	Pacific Ocean West Coast USA	44.1790N	126.2712W	-2955	From 2014-07-11 to 2015-09-01
J20B	J20B	Pacific Ocean West Coast USA	44.3542N	127.0952W	-2934	From 2012-09-05 to 2013-05-06
J20D	J20D	Pacific Ocean West Coast USA	44.3604N	127.1085W	-2936	From 2014-07-25 to 2015-09-09
J21C	J21C	Pacific Ocean West Coast USA	44.5342N	128.0376W	-2847	From 2013-08-08 to 2014-05-15
J23A7	J23A7	Pacific Ocean West Coast USA	44.8440N	129.6825W	-2655	From 2011-11-21 to 2012-05-15
J23B	J23B	Pacific Ocean West Coast USA	44.8459N	129.6821W	-2650	From 2012-08-24 to 2013-06-06
J23C	J23C	Pacific Ocean West Coast USA	44.8438N	129.6810W	-2653	From 2013-08-08 to 2014-05-15
J23D	J23D	Pacific Ocean West Coast USA	44.8274N	129.6805W	-2687	From 2014-07-26 to 2015-09-10
J25A7	J25A7	Pacific Ocean West Coast USA	44.4729N	124.6216W	-142	From 2011-10-21 to 2012-07-18
J25B	J25B	Pacific Ocean West Coast USA	44.4713N	124.6217W	-147	From 2012-07-15 to 2013-06-27
J25C	J25C	Pacific Ocean West Coast USA	44.4730N	124.6217W	-144	From 2013-08-22 to 2014-06-01
J25D	J25D	Pacific Ocean West Coast USA	44.4567N	124.6310W	-136	From 2014-09-21 to 2015-10-01
J26A7	J26A7	Pacific Ocean West Coast USA	44.6547N	125.4664W	-2864	From 2011-10-21 to 2012-07-15
J26C	J26C	Pacific Ocean West Coast USA	44.6534N	125.4653W	-2868	From 2013-09-06 to 2014-06-24
J26D	J26D	Pacific Ocean West Coast USA	44.6577N	125.4670W	-2880	From 2014-09-08 to 2015-09-04
J27B	J27B	Pacific Ocean West Coast USA	44.8476N	126.3069W	-2824	From 2012-08-24 to 2013-06-04
J27D	J27D	Pacific Ocean West Coast USA	44.8489N	126.3083W	-2814	From 2014-07-11 to 2015-09-01
J28A7	J28A7	Pacific Ocean West Coast USA	45.0636N	127.1564W	-2867	From 2011-11-16 to 2012-05-16
J28B	J28B	Pacific Ocean West Coast USA	45.0631N	127.1552W	-2866	From 2012-08-24 to 2013-06-04
J28C	J28C	Pacific Ocean West Coast USA	45.0617N	127.1567W	-2889	From 2013-08-02 to 2014-05-21
J28D	J28D	Pacific Ocean West Coast USA	45.0301N	127.1560W	-2855	From 2014-07-11 to 2015-09-02
J29A7	J29A7	Pacific Ocean West Coast USA	45.1757N	128.0084W	-2849	From 2011-11-20 to 2012-05-16
J29C	J29C	Pacific Ocean West Coast USA	45.1731N	128.0058W	-2816	From 2013-08-02 to 2014-07-06
J30A7	J30A7	Pacific Ocean West Coast USA	45.4242N	128.9069W	-2824	From 2011-11-20 to 2012-05-15
J30C	J30C	Pacific Ocean West Coast USA	45.4261N	128.9100W	-2786	From 2013-08-07 to 2014-05-15
J31A7	J31A7	Pacific Ocean West Coast USA	45.5531N	129.6727W	-2657	From 2011-11-21 to 2012-05-16
J31C	J31C	Pacific Ocean West Coast USA	45.5519N	129.6724W	-2624	From 2013-08-07 to 2014-05-15
J32C	J32C	Pacific Ocean West Coast USA	45.7145N	130.6030W	-2756	From 2013-08-08 to 2014-05-15
J33A7	J33A7	Pacific Ocean West Coast USA	45.1066N	124.5708W	-348	From 2011-10-16 to 2012-07-18
J33B	J33B	Pacific Ocean West Coast USA	45.1066N	124.5706W	-350	From 2012-07-14 to 2013-06-26
J33C	J33C	Pacific Ocean West Coast USA	45.1068N	124.5708W	-354	From 2013-08-22 to 2014-05-29
J34A7	J34A7	Pacific Ocean West Coast USA	45.3057N	125.4145W	-2574	From 2011-10-16 to 2012-07-17
J34C	J34C	Pacific Ocean West Coast USA	45.3070N	125.4152W	-2580	From 2013-09-06 to 2014-06-24
J35A7	J35A7	Pacific Ocean West Coast USA	45.4989N	126.2668W	-2662	From 2011-10-20 to 2012-07-17
J35C	J35C	Pacific Ocean West Coast USA	45.4995N	126.2683W	-2655	From 2013-08-09 to 2014-05-19
J36A7	J36A7	Pacific Ocean West Coast USA	45.6855N	127.1225W	-2821	From 2011-10-19 to 2012-07-17
J36C	J36C	Pacific Ocean West Coast USA	45.6865N	127.1252W	-2812	From 2013-08-09 to 2014-05-20
J37A7	J37A7	Pacific Ocean West Coast USA	45.8642N	127.9853W	-2862	From 2011-11-28 to 2012-05-16
J37C	J37C	Pacific Ocean West Coast USA	45.8635N	127.9853W	-2886	From 2013-08-02 to 2014-05-20
J38A7	J38A7	Pacific Ocean West Coast USA	46.0395N	128.8531W	-2734	From 2011-11-23 to 2012-05-17
J38C	J38C	Pacific Ocean West Coast USA	46.0389N	128.8536W	-2731	From 2013-08-07 to 2014-05-16
J39A7	J39A7	Pacific Ocean West Coast USA	46.1760N	129.6441W	-2659	From 2011-11-22 to 2012-05-17
J39C	J39C	Pacific Ocean West Coast USA	46.1761N	129.6438W	-2656	From 2013-08-06 to 2014-05-16
J41A7	J41A7	Pacific Ocean West Coast USA	45.8119N	124.5372W	-175	From 2011-07-25 to 2012-07-13
J41C	J41C	Pacific Ocean West Coast USA	45.8117N	124.5376W	-171	From 2013-08-30 to 2014-06-24
J42A7	J42A7	Pacific Ocean West Coast USA	45.9331N	125.2997W	-1540	From 2011-10-16 to 2012-07-17
J42C	J42C	Pacific Ocean West Coast USA	45.9323N	125.2991W	-1550	From 2013-09-05 to 2014-06-29
J43A7	J43A7	Pacific Ocean West Coast USA	46.1378N	126.1721W	-2654	From 2011-10-19 to 2012-07-16
J43C	J43C	Pacific Ocean West Coast USA	46.1370N	126.1725W	-2645	From 2013-08-09 to 2014-05-19
J44A	J44A	Pacific Ocean West Coast USA	46.3230N	127.0390W	-2724	From 2011-10-19 to 2012-07-17
J44C	J44C	Pacific Ocean West Coast USA	46.3240N	127.0407W	-2742	From 2013-08-09 to 2014-05-19
J45A7	J45A7	Pacific Ocean West Coast USA	46.5209N	127.9049W	-2757	From 2011-11-28 to 2012-05-18
J45C	J45C	Pacific Ocean West Coast USA	46.5209N	127.9047W	-2742	From 2013-08-03 to 2014-07-07
J46A7	J46A7	Pacific Ocean West Coast USA	46.6639N	128.7883W	-2744	From 2011-11-23 to 2012-05-18
J46C	J46C	Pacific Ocean West Coast USA	46.6645N	128.7894W	-2744	From 2013-08-07 to 2014-05-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
J47A7	J47A7	Pacific Ocean West Coast USA	46.8433N	129.7135W	-2685	From 2011-11-23 to 2012-05-17
J47C	J47C	Pacific Ocean West Coast USA	46.8440N	129.7139W	-2679	From 2013-08-07 to 2014-05-16
J48A7	J48A7	Pacific Ocean West Coast USA	47.1304N	130.6513W	-2973	From 2011-11-23 to 2012-05-17
J48B	J48B	Pacific Ocean West Coast USA	47.1282N	130.6385W	-2877	From 2012-08-25 to 2013-06-06
J48C	J48C	Pacific Ocean West Coast USA	47.1295N	130.6507W	-2940	From 2013-08-06 to 2014-05-17
J49A7	J49A7	Pacific Ocean West Coast USA	46.4378N	124.4275W	-120	From 2011-07-26 to 2012-07-13
J49C	J49C	Pacific Ocean West Coast USA	46.4380N	124.4278W	-113	From 2013-08-30 to 2014-06-29
J50A	J50A	Pacific Ocean West Coast USA	46.6402N	125.2991W	-1909	From 2011-10-17 to 2012-07-20
J50C	J50C	Pacific Ocean West Coast USA	46.6411N	125.2987W	-1931	From 2013-09-04 to 2014-06-30
J51A	J51A	Pacific Ocean West Coast USA	46.7970N	126.1641W	-2610	From 2011-10-19 to 2012-07-18
J51C	J51C	Pacific Ocean West Coast USA	46.7957N	126.1631W	-2626	From 2013-09-06 to 2014-07-01
J52A7	J52A7	Pacific Ocean West Coast USA	46.9920N	127.0159W	-2613	From 2011-11-28 to 2012-05-18
J52C	J52C	Pacific Ocean West Coast USA	46.9920N	127.0158W	-2640	From 2013-08-20 to 2014-05-31
J53A	J53A	Pacific Ocean West Coast USA	47.1642N	127.9221W	-2686	From 2011-11-28 to 2012-05-18
J53C	J53C	Pacific Ocean West Coast USA	47.1643N	127.9223W	-2717	From 2013-08-20 to 2014-05-31
J54A7	J54A7	Pacific Ocean West Coast USA	47.3358N	128.8116W	-2662	From 2011-11-27 to 2012-05-18
J54C	J54C	Pacific Ocean West Coast USA	47.3358N	128.8113W	-2666	From 2013-08-03 to 2014-05-18
J55A7	J55A7	Pacific Ocean West Coast USA	47.5305N	129.7076W	-2800	From 2011-11-24 to 2012-05-19
J55C	J55C	Pacific Ocean West Coast USA	47.5315N	129.7078W	-2755	From 2013-08-06 to 2014-05-17
J57A7	J57A7	Pacific Ocean West Coast USA	47.0801N	124.4505W	-55	From 2011-10-17 to 2012-07-14
J57C	J57C	Pacific Ocean West Coast USA	47.0804N	124.4506W	-67	From 2013-09-02 to 2014-06-28
J58A7	J58A7	Pacific Ocean West Coast USA	47.3188N	125.5344W	-1511	From 2011-10-18 to 2012-07-11
J58C	J58C	Pacific Ocean West Coast USA	47.3178N	125.5346W	-1527	From 2013-09-04 to 2014-06-27
J59A7	J59A7	Pacific Ocean West Coast USA	47.5096N	126.4153W	-2371	From 2011-10-19 to 2012-07-11
J59C	J59C	Pacific Ocean West Coast USA	47.5111N	126.4168W	-2389	From 2013-09-05 to 2014-06-27
J61A7	J61A7	Pacific Ocean West Coast USA	47.8725N	128.1972W	-2644	From 2011-11-27 to 2012-05-20
J61C	J61C	Pacific Ocean West Coast USA	47.8728N	128.1972W	-2673	From 2013-08-20 to 2014-05-31
J63A7	J63A7	Pacific Ocean West Coast USA	48.2065N	130.0033W	-2882	From 2011-11-25 to 2012-05-19
J63B	J63B	Pacific Ocean West Coast USA	48.2054N	130.0019W	-2857	From 2012-08-25 to 2013-06-05
J63C	J63C	Pacific Ocean West Coast USA	48.2047N	130.0053W	-2845	From 2013-08-05 to 2014-05-17
J65A	J65A	Pacific Ocean West Coast USA	47.8913N	125.1396W	-165	From 2011-10-17 to 2012-07-15
J65C	J65C	Pacific Ocean West Coast USA	47.8913N	125.1398W	-169	From 2013-08-19 to 2014-05-29
J67A	J67A	Pacific Ocean West Coast USA	48.1500N	127.0842W	-2612	From 2011-11-26 to 2012-05-19
J67C	J67C	Pacific Ocean West Coast USA	48.1510N	127.0868W	-2581	From 2013-08-05 to 2014-05-19
J68A	J68A	Pacific Ocean West Coast USA	48.4810N	127.8292W	-2590	From 2011-11-25 to 2012-05-20
J68C	J68C	Pacific Ocean West Coast USA	48.4811N	127.8293W	-2587	From 2013-08-20 to 2014-05-31
J69C	J69C	Pacific Ocean West Coast USA	48.6270N	128.7386W	-2544	From 2013-08-05 to 2014-05-17
J73A	J73A	Pacific Ocean West Coast USA	48.7677N	126.1925W	-143	From 2011-10-18 to 2012-07-16
J73C	J73C	Pacific Ocean West Coast USA	48.7679N	126.1926W	-133	From 2013-08-19 to 2014-05-30
Jabagly	JBG	Kazakhstan	42.4230N	70.5440E	1470	From 1991-09-01
Jabal Ad Dan - Dhamar Gov. - Yemen	ADDN	Yemen	14.3530N	43.8530E	2473	From 1997-01-20
Jabal al Asfar	ASF	Jordan	32.1730N	36.8473E	928	
Jabal al Khashab	KHB	Egypt	29.9280N	30.9750E	265	
Jabal al Moallq	JMOS	Saudi Arabia	29.1686N	35.1094E		
Jabal at Tayr	GTR	Egypt	25.5096N	30.5595E	160	
Jabal bu Thady	BTHT	Tunisia	35.1323N	10.2852E	240	
Jabal Farasan	FRJS	Saudi Arabia	22.5905N	39.3638E		
Jabal Katrina	HKAT	Egypt	28.5229N	33.9928E	1746	
Jabal Laban	LBNS	Saudi Arabia	21.0465N	39.9013E		
Jabal Madar	JMDO	Oman	22.3701N	58.1035E	350	From 2001-07-01
Jabal Masmas	HMSM	Egypt	22.8814N	31.8890E	380	
Jabal Moqyreh	JMQS	Saudi Arabia	28.8861N	35.8778E		
Jabalpur	JBP	Madhya Pradesh,India	23.1667N	79.9833E	0	
Jaborandi	NBJA	Bahia	13.4947S	44.2685W	466	From 2023-06-24
Jacaque	SOEJ	Bolivia	16.9751S	68.1915W	4093	From 2016-08-10
Jackboy Hill	MJHT	Montserrat	16.7672N	62.1698W	149	
Jackerath	JCK	Nordrhein-Westfalen,Germany	51.0350N	6.4309E	-240	From 1981-01-01
Jackman	JKM	Maine,U.S.A.	45.6555N	70.2426W	378	
Jack Peak	JPK	Alaska,U.S.A.	61.0552N	146.5978W	835	
Jackson	G14A	Montana,U.S.A.	45.2432N	113.4604W	2140	From 2006-11-10 to 2009-06-10
Jackson	JS-TN	Tennessee,U.S.A.	35.6556N	88.6128W	152	From 1961-12-11 to 1962-06-28
Jackson	JS-	Tennessee,U.S.A.	35.6556N	88.6128W	152	From 1961-12-11 to 1962-06-28
Jackson	348A	Alabama,U.S.A.	31.4129N	87.9023W	57	From 2011-03-20 to 2013-01-25
Jackson Bay	JCZ	South Island,New Zealand	44.0732S	168.7855E	1062	From 2004-06-23
Jackson Lake Dam	JLDW	Wyoming,U.S.A.	43.8562N	110.5873W	2074	
Jackson Lee, Bay Springs	246A	Mississippi,U.S.A.	32.0143N	89.1286W	113	From 2011-03-26
Jacksonville	238A	Texas,U.S.A.	32.0034N	95.1203W	126	From 2010-02-22 to 2011-12-11
Jacksonville	JAC	Florida,U.S.A.	30.4167N	81.6500W	9	From 1950-01-01 to 1956-12-31
Jacmel	JAKH	Haiti	18.2377N	72.5180W	47	
Jacmel, Haiti	R897D	Haiti	18.2342N	72.5255W	35	
Jacmel, Sud-Est	SJACM	Haiti	18.2371N	72.5290W	35	From 2019-01-18
Jacoby Creek, Bayside	JCC	California,U.S.A.	40.8175N	124.0296W	27	From 2001-04-11
JACO, Garabito, Puntarenas	JACO	Costa Rica	9.6624N	84.6595W	85	From 2011-02-18
Jacura	JACV	Venezuela	11.0880N	68.8300W	349	From 2002-10-30
Jacuzzi	JCUZ	Hawaii,U.S.A.	19.3841N	155.1016W	753	
Jaen	EXJA	Spain	37.7720N	3.7890W	549	
Jafarie	QJF1	Iran	34.7726N	50.5071E	1000	
Jaglot	DDJ	Pakistan	35.6900N	74.6040E	1575	From 2012-01-01
Jago River	C27K	Alaska,U.S.A.	69.6260N	143.7114W	392	From 2016-06-23
Jaguarari	NBJG	Bahia	9.8731S	39.9019W	488	From 2023-09-06
Jaguaretama	CS6B	Ceara,Brazil	5.4945S	38.6708W	112	From 2003-10-03 to 2005-06-16
Jahan bin	JHBN	Iran	32.2312N	50.6657E	2657	From 2011-01-01
Jahrom	JHRM	Iran	28.5053N	53.5771E	1019	From 2011-01-17
Jahuel	JACH	Aconcagua,Chile	32.6819S	70.5929W	1075	
Jailolo, Maluku Utara	JHMI	Indonesia	1.0821N	127.4783E	36	From 2019-01-01
Jaisalmer	JASL	Rajasthan,India	26.9245N	70.9031E	224	From 2002-01-18
Jajag, Banyuwangi	JAGI	Jawa,Indonesia	8.4702S	114.1521E	171	From 2008-07-21
Jakar	BUMT	Bhutan	27.5477N	90.7664E	2772	
Jakarta	DJA	Jawa,Indonesia	6.1833S	106.8362E	8	
Jalalah	GLL	Egypt	29.5772N	31.7081E	530	
Jalan Bani Buhassan	JLN	Oman	22.1505N	59.4108E	190	
Jalcomulco	JAUV	Veracruz	19.3662N	96.8032W	556	
JALPAIGURI	JPG	West Bengal	26.5470N	88.7160E	75	From 2018-02-08
Jama	JAMA	Ecuador	0.2612S	80.2058W	680	From 1992-02-05
Jamag	JMAG	Xizang Zizhiqu,China	29.6880N	91.6694E	4160	From 2004-06-14
JAMBI	JMBI	Jawa,Indonesia	1.6335S	103.6417E	0	From 2005-01-01
James Farms, Milford	R14A	Utah,U.S.A.	38.2987N	113.0213W	1542	From 2007-02-27 to 2008-09-18
Jamestown	U50A	Tennessee,U.S.A.	36.4156N	84.8431W	474	From 2012-05-28
Jamestown	JAS1	California,U.S.A.	37.9267N	120.4210W	398	From 1984-07-03 to 1986-11-06
Jamestown	P50A	Ohio,U.S.A.	39.6086N	83.7988W	318	From 2012-06-19
Jamestown	JMS1	South Australia,Australia	33.2045S	138.6092E	460	From 2011-06-29
Jamestown	JAS	California,U.S.A.	37.9466N	120.4393W	428	From 1964-01-01 to 1984-06-30
Jamestown Central School	AUJCS	South Australia,Australia	33.2000S	138.6100E	464	From 2013-08-11
JAMIA UNIVERSITY	JMIU	Delhi	28.5690N	77.2920E	189	From 2017-11-17
Jammu	JMU	Jammu and Kashmir,India	32.7811N	74.8310E	386	
Jamnica	PL12A	Poland	50.5792N	21.9294E	147	From 2019-12-19
Jampang Tengah, Jawa Barat	JTJM	Indonesia	7.0573S	106.8015E	528	From 2019-01-01
Jamui	JMUI	India	24.9280N	86.2270E	79	From 2018-03-21
Jamundi, Valle del Cauca	JAMC	Colombia	3.2148N	76.6734W	1760	From 2017-02-15
Janakpur	JANA	Nepal	26.7107N	85.9242E	77	From 2001-11-13 to 2002-06-03
Jandula	JAND	Spain	38.2200N	3.9700W	645	From 2006-05-01
Jangheung	KSJAH	Republic of Korea	34.6847N	126.9196E	0	From 2000-12-08
Jangi, Azerbaijan	MV12	Azerbaijan	40.5098N	49.2684E	439	From 2020-07-27
Jangkat, Jambi	JMSI	Indonesia	2.6372S	101.8875E	1275	From 2019-10-01
Jangngalda	ST34	Xizang Zizhiqu,China	33.4086N	88.7644E	4989	From 1998-07-10 to 1998-10-03
Jangpyeong	KUJA	Republic of Korea	34.8885N	128.6047E	-3	From 2012-10-09
Jangsu	KSJAS	Republic of Korea	35.6569N	127.5203E	407	From 2002-10-21
Janina	JAN	Greece	39.6567N	20.8508E	540	
Jan Mayen	JMI	Jan Mayen Island,Norway	70.9283N	8.7308W	50	From 1996-01-18
Jan Mayen	JMIC	Norway	70.9866N	8.5052W	158	
Jan Mayen East	JNE	Jan Mayen Island,Norway	70.9900N	8.2970W	57	From 1996-01-18
Jan Mayen temporary station	JMIM	Jan Mayen Island	70.9225N	8.7138W	78	From 2017-05-08 to 2017-08-12
Jan Mayen West	JNW	Jan Mayen Island,Norway	71.0290N	8.4280W	95	From 1996-01-18
Jannena	JAN2	Greece	39.6640N	20.8519E	509	From 2011-06-15
Jannena	JAN3	Greece	39.6838N	20.8377E	476	From 2011-06-15
Januaria	JAN08	Minas Gerais,Brazil	15.0413S	44.2969W	710	From 2007-01-01 to 2008-12-31
Januaria	JAN03	Minas Gerais,Brazil	15.1363S	44.2479W	622	From 2007-01-01 to 2008-12-31
Januaria	JAN06	Minas Gerais,Brazil	14.9963S	44.2909W	727	From 2007-01-01 to 2008-12-31
Januaria	JAN07	Minas Gerais,Brazil	15.0579S	44.3120W	686	From 2007-01-01 to 2008-12-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Januaria	JAN09	Minas Gerais,Brazil	15.0373S	44.2457W	780	From 2007-01-01 to 2008-12-31
Januaria	JANB	Minas Gerais,Brazil	15.0580S	44.3112W	686	From 2008-01-01
Jany-Kuch	JNKS	Kyrgyzstan	41.0528N	75.6258E	2248	
Jaout	JAU	Aquitaine,France	43.0380N	0.3693W	1545	
Jarabacoa	DR07	Dominican Republic	19.0856N	70.5981W	1030	
Jarash	JARJ	Jordan	32.2375N	35.9461E	840	From 1984-10-01
Jardin	JDN	Chiapas,Mexico	17.1650N	92.5000W	920	
Jardin Botanico, Parque La Carolina, Iaquito, Quito, Ecuador	HCJB	Ecuador	0.1863S	78.4853W	2787	From 2016-05-13
Jarkent	DJR	Kazakhstan	44.3320N	79.7900E	1080	From 1987-09-01
Jarkhoshk	JRKH	Iran	35.9079N	60.3494E	1205	From 2011-10-26
Jaromillo Abaja	AJB2	Panama	8.7530N	82.4068W	1314	
Jarrell	435A	Texas,U.S.A.	30.7830N	97.5851W	247	From 2009-11-11 to 2010-01-15
Jarrell	435B	Texas,U.S.A.	30.7827N	97.5850W	248	From 2010-01-15
Jarrettsville	P59A	Maryland,U.S.A.	39.6101N	76.4327W	157	From 2013-04-27
Jasinga, Jawa Barat	JBJI	Indonesia	6.4837S	106.4699E	146	From 2019-10-01
Jask	JSK1	Iran	25.6379N	57.7701E	15	From 2013-05-15
Jask - Hormozgan	JASK	Iran	25.8671N	57.8663E	232	From 2016-04-25
JASK -SHIRAHAN	JSSH	Iran	25.9122N	57.3869E	28	From 2019-05-29
Jasper	JP-	Alberta,Canada	52.8972N	118.0903W	1128	
Jasper	JA-	Minnesota,U.S.A.	43.8900N	96.3214W	518	
Jasper	Y48A	Alabama,U.S.A.	33.9131N	87.1696W	170	From 2011-12-17
Jasper	JA-MN	Minnesota,U.S.A.	43.8900N	96.3214W	518	
Jasper	JP-AT	Alberta,Canada	52.8972N	118.0903W	1128	
Jasper Ridge	JRSC	California,U.S.A.	37.4037N	122.2387W	70	From 1994-06-30
Jatai	JATB	Goias,Brazil	17.8929S	51.4929W	819	From 2004-01-07 to 2006-08-09
Jatiluhur, Jawa Barat	JPJI	Indonesia	6.5307S	107.4176E	150	From 2019-10-01
Jatiwangi	JCJI	Jawa,Indonesia	6.4900S	108.2700E	0	
Jato	JAT	Guatemala	14.3180N	91.6367W	68	From 1979-11-01
J.Aulia	JAWL	Sudan	15.2375N	32.4941E	398	From 2003-11-01
Jaun, Euschelspass, FR	JAUN	Switzerland	46.6339N	7.2910E	1658	From 2018-08-23
Jausiers	JAUF	Provence-Cote d'Azur,France	44.4292N	6.7500E	1585	From 1990-09-12
Javornik	JAVS	Slovenia	45.8934N	14.0643E	1100	From 2004-01-01
Jawi	JAWI	Ethiopia,Ethiopia	11.5710N	36.4913E	1228	From 2014-04-10 to 2017-12-01
Jaww	BJA	Bahrain	25.9917N	50.6083E		
Jayapura	JAY	Irian Jaya,Indonesia	2.5148S	140.7047E	400	From 1973-04-01
Jayaque - finca La Azucena	JAYA	El Salvador	13.6543N	89.4489W	1374	
Jazan	JAZS2	Saudi Arabia	16.7587N	43.0486E	100	
Jazzator, Altay Republic, Russia	DGZ	Altayskiy Kray,Russia	49.7005N	87.4316E	1606	From 2003-08-20
J Bar K, Exeter	N33B	Nebraska,U.S.A.	40.7371N	97.4511W	482	From 2014-03-10
J Bar K, Exeter	N33A	Nebraska,U.S.A.	40.7384N	97.4506W	475	From 2010-06-17 to 2012-04-22
Jbel Babet	JBB	Morocco	35.0130N	4.1980W	1230	From 1994-08-10
Jbel Lahdid	JHA	Morocco	31.7360N	9.4540W	725	
Jbel Ouklim	JOK	Morocco	31.4060N	5.5650W	1669	
JBK	JBK	Morocco	34.3350N	2.5670W	1774	
J-C Ranch, Comstock	530A	Texas,U.S.A.	30.1489N	101.3379W	636	From 2009-02-24 to 2011-01-19
Jecheon	KSJEC	Republic of Korea	37.1538N	128.1912E	263	From 2000-11-20
Jecheon	JECH	Republic of Korea	37.1595N	128.1945E	272	From 2015-10-01
Jeddah	JEDS	Saudi Arabia	21.7197N	39.4161E	215	
Jedey, El Paso, La Palma	CJED	Canary Islands	28.5792N	17.8703W	871	From 2017-05-24
Jedway, Haida Gwaii	JEDB	British Columbia,Canada	52.2931N	131.1976W	328	From 2018-01-31
Jeeralang Junction	JENM	Victoria,Australia	38.3507S	146.4197E	330	
Jefferson	P23A	Colorado,U.S.A.	39.3741N	105.8388W	3006	From 2008-06-24 to 2010-06-16
Jefferson College	JCMO	Illinois,U.S.A.	38.2575N	90.5585W	237	
Jehonathan	JNI	Israel	32.9500N	35.8270E	500	
Jehsanih	JEHI	Bali,Indonesia	8.0833S	115.2130E	60	
Jeju	KSJJU	Republic of Korea	33.4306N	126.5463E	542	From 2003-12-03
Jena	JE-LA	Louisiana,U.S.A.	31.7847N	92.0153W	46	From 1964-02-06 to 1967-01-16
Jena	JEN	Thuringen,Germany	50.9519N	11.5833E	193	
Jena (USA)	JE-	Louisiana,U.S.A.	31.7847N	92.0153W	46	From 1964-02-06 to 1967-01-16
Jenkinsville	JSC	South Carolina,U.S.A.	34.2817N	81.2603W	120	
Jenks	V36A	Oklahoma,U.S.A.	35.7863N	95.9425W	236	From 2010-06-10 to 2012-02-09
Jennings River	R33M	British Columbia,Canada	59.3946N	130.9673W	1437	From 2016-07-21
Jenolan Black	JBRM	New South Wales,Australia	33.7618S	150.0486E	1235	
Jenolan Caves	JNL	New South Wales,Australia	33.8257S	150.0219E	829	From 1959-01-01
Jensen Ranch, Palermo	B26A	North Dakota,U.S.A.	48.3762N	102.2341W	708	From 2009-07-29 to 2011-07-24
Jenson Cabin	JECI	Idaho,U.S.A.	44.3722N	114.1840W	2135	From 1983-12-01
Jeongeup	KSJEU	Republic of Korea	35.4935N	126.9298E	182	From 2003-11-26
Jeongja	JEJB	Republic of Korea	35.6379N	129.4408E	-90	From 2016-12-16
JEONGSEON	KSJES	Republic of Korea	37.4303N	128.6654E	414	From 2006-12-30
Jeonju	KSJEO	Republic of Korea	35.9379N	127.2928E	176	From 2007-12-12
Jeonju	KSCHO	Republic of Korea	35.8178N	127.1542E	53	From 1999-05-18
Jepon, Jawa Tengah	JBJM	Indonesia	6.9729S	111.4587E	98	From 2019-01-01
Jepson Natural Reserve, California	JEPS	California	38.2579N	121.8263W	7	From 2018-09-01
Jequitai-MG	JQT1	Minas Gerais	17.2394S	44.3577W	615	From 2015-06-01
Jerantut	JRMM	Peninsular Malaysia	3.8867N	102.4767E	72	
Jeravna	BG04A	Bulgaria	42.8337N	26.4610E	625	From 2022-06-16
Jeremie, Grand'Anse	SJER1	Haiti	18.6509N	74.1215W	19	From 2019-10-08
Jremie, Grand'Anse	SJER2	Haiti	18.6430N	74.1261W	174	From 2022-02-08
Jereweh	JSBFM	Indonesia	8.8717S	116.8164E	91	From 2020-12-31
Jerez de los Caballeros, Badajoz	E028	Spain	38.3553N	6.8073W	602	From 2007-09-13 to 2009-06-18
Jeri Cho Mine, NWT	JERN	Northwest Territories,Canada	66.0194N	111.4672W	476	From 2006-07-21 to 2010-07-20
Jermuk	DZR	Armenia	39.8800N	45.7000E	2115	
Jerome	JR-	Arizona,U.S.A.	34.8256N	111.9903W	1311	From 1964-03-30 to 1965-10-04
Jerome	JR-AZ	Arizona,U.S.A.	34.8256N	111.9903W	1311	From 1964-03-30 to 1965-10-04
Jersey	JRS	Channel Islands,United Kingdom	49.1924N	2.0917W	53	From 1981-11-01
Jersey	VJYM	Oregon,U.S.A.	44.9022N	120.9740W	951	
Jersey Dam (Crest)	JDC	Channel Islands,United Kingdom	49.1847N	2.0469W	39	From 1992-07-01
Jersey Dam (Gallery)	JDG	Channel Islands,United Kingdom	49.1947N	2.0469W	7	From 1992-07-01
Jerusalem	JER	Israel	31.7719N	35.1972E	770	From 1954-01-01
Jesi	JESI	Italy	43.5292N	13.2290E	131	From 2020-01-23
Jesolo	IESO	Italy	45.5200N	12.5500E	0	
Jessenland, Henderson	H36A	Minnesota,U.S.A.	44.5775N	93.9281W	311	From 2010-09-29 to 2012-09-10
Jessore	JESS	Bangladesh	23.2330N	89.1276E	6	From 2015-01-26
Jettan, Norway	JETT	Norway	69.5557N	20.4095E	631	From 2014-11-05
Jette	JTMT	Montana,U.S.A.	47.7467N	114.2825W	1469	
Jeungpyeong Acc Borehole	JNPA	Republic of Korea	36.7956N	127.5620E	90	From 2015-10-01
jeungsan	JGNA	Republic of Korea	35.8754N	128.0485E	409	From 2019-03-18
Jewell	KS25	Kansas,U.S.A.	39.6715N	98.1501W	483	From 2017-06-27 to 2017-11-02
Jewell Farm	JFWS	Wisconsin,U.S.A.	42.9143N	90.2481W	335	From 1992-07-29
Jewett Creek	JEWT	California	40.0629N	123.6285W	693	From 2022-08-31
Jhajjar	JHJR	India	28.6083N	76.6445E	234	From 2018-01-09
Jhansi	JHNI	Uttar Pradesh,India	25.4552N	78.6133E	239	
JHARSUGUGA	JHSG	Orissa	21.7610N	83.7731E	260	From 2015-12-30
Jialang	AXDP	Taiwan region	24.9000N	117.9700E	0	From 2011-07-22
Jiali	SCLT	Taiwan region	23.1750N	120.1940E	7	
Jianjiangzhen	LYJJ	Taiwan region	26.5500N	119.7600E	0	From 2011-07-22
Jian Township	EGA	Taiwan region	23.9730N	121.5630E	37	From 1998-08-07
Jiashian	SGST	Taiwan region	23.0820N	120.5830E	278	
Jicamarca	PT05	Peru	11.9548S	76.8693W	700	
Jicaral	JCR1	Costa Rica	9.8498N	85.1118W	575	
Jicaral	JCR	Costa Rica	9.8498N	85.1118W	575	
Jichi Village	TEGC	Taiwan region	23.7090N	121.5400E	5	From 1999-08-04
Jiguani	YARP	Cuba	20.3577N	76.3632W	283	
Jillco Farms, Salem	S41A	Missouri,U.S.A.	37.5877N	91.7458W	376	From 2011-06-18
Jilotepec	JIL	Veracruz,Mexico	19.6307N	96.9333W	1330	
Jimani	JIDR	Dominican Republic	18.4910N	71.8507W	13	From 2010-01-22
Jimbolia	JIMR	Romania	45.7818N	20.7024E	125	From 2021-07-20
Jim Creek	JCW	Washington,U.S.A.	48.1935N	121.9300W	616	
Jimena de la Frontera, Cdiz	EXJIF	Spain	36.4345N	5.4555W	204	From 2020-07-01
Jimena Frontera	EJIF	Spain	36.4513N	5.4688W	260	From 1988-05-20
Jimena Frontera	EJIM	Spain	36.4514N	5.4689W	260	From 1987-04-01 to 1988-05-19
Jimena (Jaen)	E0803	Spain	37.8354N	3.4717W	705	From 2019-02-05
Jimmit	DDOJ	Dominica	15.3730N	61.4039W	35	From 2021-04-14
Jim Sage Mountain	JSM	Idaho,U.S.A.	42.1313N	113.3825W	1524	
Jim Taylor Road, Stokes	V60A	North Carolina,U.S.A.	35.7650N	77.2629W	8	From 2013-04-06
Jindabyne	JIN	New South Wales,Australia	36.4394S	148.5930E	960	From 1958-01-01 to 1972-08-09
jindo	JDO2	Republic of Korea	34.4730N	126.3238E	511	From 2019-03-18
Jindo	KSJDO	Republic of Korea	34.4700N	126.3166E	477	From 2007-12-13
Jindrichovice	JIND	Czech Republic	50.2621N	12.6168E	722	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Jinhae	JNHA	Republic of Korea	35.1122N	128.7536E	29	From 2018-03-09
Jinju	KSJIN	Republic of Korea	35.1615N	128.0301E	72	From 2005-12-16
Jinju	KSCHI	Republic of Korea	35.2032N	128.1194E	21	From 1999-05-16
Jinotega	JIG	Nicaragua	13.2012N	85.7708W	1249	From 1975-01-01
Jinyeong	JNYA	Republic of Korea	35.2822N	128.7174E	5	From 2018-03-09
Jiouru	SGLT	Taiwan region	22.7250N	120.4910E	30	
JIPIJAPA	JIPI	Ecuador	1.3629S	80.5583W	566	From 2016-08-15
JIPIJAPA 2	AJPJ	Ecuador	1.3491S	80.5803W	284	From 2016-04-21
JIPIJAPA 3	PIJI	Ecuador	1.3107S	80.5682W	331	From 2016-05-17
Jiquilpan	JQX	Baja California,Mexico	32.5080N	115.0710W	5	
Jirandeh	JIR1	Iran	36.7077N	49.8021E	1567	From 2015-07-12
Jirau	JIR01	Rondonia	9.5329S	64.7960W	134	From 2017-01-01 to 2099-12-12
Jiri	JIRI	Nepal	27.6342N	86.2303E	1866	From 2001-10-15 to 2002-10-22
Jiri	JIRN	Nepal	27.6600N	86.1900E	3064	From 1994-04-01
Jirik Farms, Max	C35A	Minnesota,U.S.A.	47.7007N	93.9763W	426	From 2010-09-14 to 2012-08-09
jirisan	JLSA	Republic of Korea	35.3575N	127.6480E	536	From 2019-03-18
Jirisan	JRB	Republic of Korea	35.2129N	127.6404E	60	From 2003-04-29
Jiuhuzhen	ZZJH	Fujian,China	24.4700N	117.6300E	0	From 2011-07-22
Jizan	JAZS	Saudi Arabia	17.0684N	42.9174E	173	
Jizan	JIZN	Saudi Arabia	16.9590N	42.8250E	100	From 1989-02-01
Jizzakh	JZAX	Uzbekistan	40.0928N	67.7118E	517	From 2023-03-30
Joao Camara	JC04	Rio Grande do Norte,Brazil	5.4582S	35.6978W	120	
Joao Camara	JC1B	Rio Grande do Norte,Brazil	5.5703S	35.8525W	109	
Joao Camara	JC05	Rio Grande do Norte,Brazil	5.4493S	35.7795W	140	
Joao Camara	JC20	Rio Grande do Norte,Brazil	5.6117S	35.7467W	120	
Joao Camara	JC06	Rio Grande do Norte,Brazil	5.5173S	35.7373W	130	
Joao Camara Brazil	NBJCA	Rio Grande do Norte	5.5360S	35.8186W	158	From 2021-06-21
Joaquin Canyon North	JCNB	California,U.S.A.	35.9390N	120.4311W	309	
Joaquin Canyon South	JCSB	California,U.S.A.	35.9212N	120.4340W	299	
Joaquin Lookout	JOAQ	New Mexico,U.S.A.	35.7708N	106.8410W	2768	From 1978-11-11
Joaquin Road	JJRM	California,U.S.A.	37.3447N	122.2010W	430	
Jocassee View	JVW	South Carolina,U.S.A.	34.9923N	82.9977W	554	
Jochberg	RJOB	Bayern,Germany	47.7372N	12.7957E	860	From 2001-05-15
Jocotitlan	JCM	Mexico D.F.,Mexico	19.7342N	99.7611W		From 1988-01-01
Jocotitlan	IIJ	Mexico:State,Mexico	19.7340N	99.7340W	3900	
Jodo	JODB	Republic of Korea	34.3115N	126.0437E	56	From 2018-03-09
Joensuu	JOE	Finland	62.6517N	29.6950E	90	
Joensuu	JOF	Finland	62.9182N	31.3124E	180	From 1981-09-29
Joes South Fork Station, Corydon	N38A	Iowa,U.S.A.	40.7931N	93.2350W	317	From 2010-11-15 to 2012-09-12
JOFS	JOFS	Saudi Arabia	29.4140N	38.6080E	687	
Johann am Walde	A032A	Austria	48.1230N	13.3063E	608	From 2015-12-03
Johannesberg	BPI	Transvaal,South Africa	26.1750S	28.0300E	1700	
Johannesbrunn, Gerzen, Bavaria	A148A	Germany	48.4780N	12.4605E	492	From 2016-01-18 to 2016-11-22
Johannesburg	JOH	Transvaal,South Africa	26.1817S	28.0750E	1806	
Johanniskirchen, Bavaria	A147A	Germany	48.5379N	12.9455E	389	From 2016-01-19 to 2016-07-28
John Jarvie Ranch (BLM), Flaming Gorge	N19A	Utah,U.S.A.	40.8936N	109.1772W	1703	From 2007-08-18 to 2009-04-24
Johnnie	JON	Nevada,U.S.A.	36.4399N	116.1033W	939	From 1978-07-24 to 2002-12-10
Johnny Jack Ridge	KJJM	California,U.S.A.	40.2477N	124.3070W	725	
John Paul College, Kalgoorlie	AUKAL	West Australia,Australia	30.7600S	121.4800E	373	From 2012-09-16
John River	F22K	Alaska,U.S.A.	67.5076N	152.1790W	546	From 2016-06-21
John's Creek	JCE1	Oklahoma,U.S.A.	35.5812N	97.9003W	413	
John Shaw Road	KB2O	Ontario,Canada	45.3859N	76.1562W	95	From 2013-10-01
John Shaw Road, remote	KB6O	Ontario,Canada	45.3905N	76.1668W	90	From 2013-11-01
John Smith Road	HJSM	California,U.S.A.	36.8165N	121.2990W	215	From 1975-06-01
Johnson	JHN	Nebraska,U.S.A.	40.4469N	96.0175W	329	From 1978-12-01 to 2001-07-15
Johnson Can.	BJCM	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Can.	AN15*	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Canyon	JHC	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Farm, Hartsville	X57A	South Carolina,U.S.A.	34.4643N	80.0940W	133	From 2013-02-09
Johnson Ranch, Cut Bank	A15A	Montana,U.S.A.	48.9777N	112.7327W	1236	From 2007-09-13 to 2009-08-13
Johns Peak	WJPM	California,U.S.A.	35.4109N	118.4820W	1090	
John Stanford Center Downhole Anss-SM	SSS1	Washington,U.S.A.	47.5818N	122.3311W	-20	From 2004-10-24
Johnston I.	JN-	Line Islands,Kiribati	16.7339N	169.5281W	3	From 1962-03-31 to 1962-08-02
Johnston Island	JN-IS	Johnston Island,U.S.A.	16.7339N	169.5281W	3	From 1962-03-31 to 1962-08-02
Johnston Island	JOHN	Johnston Island,U.S.A.	16.7329N	169.5292W	-36	
Joint University Institute Eilat	IUI	Israel	29.5013N	34.9159E	28	From 2018-12-24
Jokulheimar	IJOK	Iceland	64.3153N	18.2255W	736	From 2011-09-27
Jolon Road	PJLM	North America,U.S.A.	36.0905N	121.1581W	240	
Jolon Road	JOL	California,U.S.A.	36.0837N	121.1690W	336	From 1969-06-18 to 2011-07-22
Jolon Road	PJRM	California,U.S.A.	36.0837N	121.1690W	336	From 1969-06-18 to 2011-07-22
Jones	149A	Alabama,U.S.A.	32.5983N	86.7916W	138	From 2012-01-17
Jonesboro	V43A	Arkansas,U.S.A.	35.7857N	90.5443W	74	From 2011-07-20 to 2013-03-12
Jones Farm, Ritzville	D09A	Washington,U.S.A.	47.0615N	118.3092W	540	From 2006-08-29 to 2008-06-10
Jones High Sch.	OK001	Oklahoma,U.S.A.	35.5611N	97.2895W	350	
Jones Ranch, Declo	K14A	Idaho,U.S.A.	42.5452N	113.1760W	1387	From 2006-12-28 to 2009-05-07
Jonika Flow	JOKA	Hawaii,U.S.A.	19.4336N	155.0044W	482	From 2012-09-17
Joppolo	JOPP	Italy	38.6068N	15.8856E	500	From 2006-08-07
Jordan	JO-	Minnesota,U.S.A.	44.7069N	93.5083W	290	From 1962-07-13 to 1962-07-30
Jordan	GUIM	Panay,Philippines	10.6260N	122.5890E	50	
Jordan	JO-MN	Minnesota,U.S.A.	44.7069N	93.5083W	290	From 1962-07-13 to 1962-07-30
Jordan Butte	JBO	Oregon,U.S.A.	45.4616N	119.8370W	645	From 1982-09-01
Jordanelle	JLU	Utah,U.S.A.	40.6019N	111.4499W	2285	From 1981-09-28
Jordan Ranch	JRTX	Texas,U.S.A.	32.9340N	100.9530W	804	From 1979-01-01
Jordan River	JRBB	British Columbia,Canada	48.4300N	123.0522W	24	From 2008-05-13
Jordan Valley	JVI	Israel	31.9380N	35.3390E	680	From 1986-07-17
Jorden Valley SMO	JORV	Oregon,U.S.A.	42.9777N	117.0537W	1338	From 2004-07-01
Jorhat	JHI	Assam,India	26.7333N	94.1667E	84	From 1979-01-01
JORHAT	JORH	Assam,India	26.7430N	94.2513E	79	From 2011-05-01
Joseni	JOSR	Romania	46.7059N	25.5154E	749	From 2010-08-18
Jose Panganiban, Camarines Norte	JCNP	Philippines	14.2890N	122.6970E	50	From 2014-10-10
Joseph Creek	J26L	Alaska,U.S.A.	64.5012N	143.5636W	1144	From 2015-09-11
Joseph F. Staten	JFS	California,U.S.A.	35.3508N	117.6700W	1433	From 1979-06-01
Joseph's Coat	YJC	Wyoming,U.S.A.	44.7555N	110.3492W	2684	
Joshimath	JOSI	India	30.5558N	79.5582E	1889	From 2002-04-09
Joshua Ridge	JRC2	California,U.S.A.	35.9825N	117.8089W	1469	
Joshua Ridge West	JRWM	California,U.S.A.	35.9943N	117.8215W	1366	
Joshua Tree	NYJ	Nevada,U.S.A.	37.0080N	115.9750W	1286	From 1971-01-01 to 1973-01-31
Joshua Tree Park	JTR	California,U.S.A.	33.8140N	115.9002W	1372	
Josvafo	JOS	Hungary	48.4958N	20.5394E	280	
Jouge	JJG	Hiroshima,Japan	34.6412N	133.1543E	470	
Jozini	JOZ	Natal,South Africa	27.4450S	32.0783E	244	From 1976-07-01 to 1999-08-25
J Risha	JRSJ	Jordan	30.2610N	35.2330E	357	From 1989-12-15
J Risha	RSHJ	Jordan	30.2610N	35.2330E	357	From 1989-12-15
J. Sargeant Reynolds Community College	JSRW	Virginia,U.S.A.	37.6938N	77.8786W	67	
J Saunders Place	SNDA	California,U.S.A.	33.5519N	116.6129W	1358	
Jston Ridge Obs	JRO	Washington,U.S.A.	46.2751N	122.2178W	1280	
Juana Nunez	DR01	Dominican Republic	19.3114N	70.6961W	505	
Juana Nunez	DR1	Dominican Republic	19.3114N	70.6961W		
Juan Diaz	JUD	Costa Rica	10.1620N	85.5470W	844	From 1984-11-01
Juan Diaz 2	JUD2	Costa Rica	10.1670N	85.5412W	680	
Juan Diaz 3	JUD3	Costa Rica	10.1659N	85.5388W	665	From 2000-05-13
Juan Fernndez	VA04	Juan Fernandez Islands	33.6427S	78.8299W	117	From 2014-05-27
Juan Fernandez Island Hydroacoustic Site N1	H03N1	Juan Fernandez Islands,Chile	33.4412S	78.9120W	-2657	From 2003-07-10 to 2010-02-28
Juan Fernandez Island Hydroacoustic Site N2	H03N2	Juan Fernandez Islands,Chile	33.4399S	78.9324W	-2765	From 2003-07-10 to 2010-02-28
Juan Fernandez Island Hydroacoustic Site N3	H03N3	Juan Fernandez Islands,Chile	33.4556S	78.9240W	-2316	From 2003-07-10 to 2010-02-28
Juan Fernandez Island Hydroacoustic Site S1	H03S1	Juan Fernandez Islands,Chile	33.8437S	78.9058W	-2700	From 2003-07-23 to 2004-05-01
Juan Fernandez Island Hydroacoustic Site S2	H03S2	Juan Fernandez Islands,Chile	33.8370S	78.9262W	-2722	From 2003-07-23 to 2004-05-01
Juan Fernandez Island Hydroacoustic Site S3	H03S3	Juan Fernandez Islands,Chile	33.8258S	78.9095W	-2619	From 2003-07-23 to 2004-05-01
Juan Vinas	VINA	Costa Rica,Costa Rica	9.8950N	83.7460W	1199	
Juara	PAR1	Mato Grosso	11.5548S	57.8661W	314	From 2015-05-20
Jubany	JUBA	South Shetland Islands	62.2373S	58.6627W	16	
Jubilee	JBLZ	New Zealand	35.5339S	174.3913E	212	From 2022-12-20
Juchon	JUCA	Republic of Korea	35.2422N	128.8280E	37	From 2018-03-09
Jucuarn	JUCU	El Salvador	13.2536N	88.2485W	684	
Jud	E30A	North Dakota,U.S.A.	46.5021N	98.9098W	544	From 2009-08-20 to 2011-06-25
Judd Hill Plantation	JHP	Arkansas,U.S.A.	35.6050N	90.5100W	68	
Jufra	LJFR	Libya	29.1018N	15.8128E	351	
Jug	JUM	New Mexico,U.S.A.	35.9050N	106.6680W	2400	
Jugenheim	JUG	Hessen,Germany	49.7667N	8.6000E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Juina	PAR3	Mato Grosso	11.4656S	58.7166W	347	From 2015-08-11
Juina	PAR4	Mato Grosso	11.5332S	59.0580W	352	From 2015-08-11
Juina	PAR6	Mato Grosso	11.5171S	58.1693W	260	From 2015-08-10
Juina	PAR7	Mato Grosso	11.5290S	59.0554W	335	From 2016-08-01
Juive	JUIV	Ecuador	1.4238S	78.4647W	2380	From 1992-02-04
Juive	JUI6	Ecuador	1.4244S	78.4686W	2422	From 2007-07-13
Juive 3	JUI3	Ecuador	1.4218S	78.4767W	2425	
Juiz de Fora	JFO	Minas Gerais,Brazil	21.7277S	43.3254W	780	From 1990-08-01
Jujurieux	OG05	Franche Comte,France	46.0405N	5.4583E	400	
Jujuy	JUJ	Jujuy,Argentina	24.2458S	65.2728W	1270	
jukjang	JKJA	Republic of Korea	36.2421N	129.2151E	422	From 2019-03-18
Julian	JULC	California,U.S.A.	33.0483N	116.6130W	1292	From 1978-04-01
Julian Eagle Mine	JUEM	California	33.0810N	116.5975W	1315	
Julich	JUE	Nordrhein-Westfalen,Germany	50.9100N	6.4070E	91	From 1974-11-01
Jumaytepeque	JMG	Guatemala	14.3387N	90.2703W	1815	From 1979-05-01
Jumilla	EXJU	Spain	38.4750N	1.3160W	520	
Jumkunaria	JUMK	Gujarat,India	23.3600N	70.3400E	-25	From 2012-01-01
Jumunjin	KSJMJ	Republic of Korea	37.8816N	128.7561E	75	From 2008-01-01
Junction	R15A	Utah,U.S.A.	38.2108N	112.2767W	1861	From 2007-05-21 to 2009-03-11
Junction City	JCT	Texas,U.S.A.	30.4794N	99.8022W	591	From 1965-03-01
Junction City	H41A	Wisconsin,U.S.A.	44.6164N	89.6534W	348	From 2011-08-11 to 2013-06-08
Juneau Island	JIS	Alaska,U.S.A.	58.2762N	134.3831W	10	From 1995-04-18
June Lake	JLK	Washington,U.S.A.	46.1467N	122.1530W	1049	
Jungingen	JUNG	Baden-Wurttemberg	48.3299N	9.0350E	575	From 2016-03-01
Jungingen	JUND	Baden-Wurttemberg,Germany	48.3301N	9.0408E	600	From 1976-01-01 to 2020-02-01
Jungrangju	KSJUR	Republic of Korea	37.6136N	127.0886E	56	From 2007-01-01
Juni	PT11	Peru	11.5490S	75.7150W	4480	From 1983-09-21
Juniper Basin Ranch, Riddle	L10A	Idaho,U.S.A.	42.0773N	116.4711W	1537	From 2007-01-10 to 2008-08-16
Juniper Gulch	JGI	Idaho,U.S.A.	44.0925N	112.6770W	1657	From 1979-11-06
Juniper Hills	JNH	California,U.S.A.	34.4475N	117.9540W	1317	From 1977-11-01
Juniper Island	ISLE	Alaska,U.S.A.	60.6025N	142.3391W	1485	
Juniper Ridge	PJUM	California,U.S.A.	36.2270N	120.5935W	925	
Juniper Way Moraga	C042	California,U.S.A.	37.8223N	122.1277W	150	From 2010-07-13
Junjel	JNJ	Guatemala	15.3988N	91.4287W	3348	From 1980-01-01 to 1999-08-25
Junkia	JNKA	Orissa	20.0300N	85.5100E	16	From 2018-07-15
Juno	JU-TX	Texas,U.S.A.	30.1119N	101.0772W	533	From 1964-04-04 to 1964-08-11
Juno	JU-	Texas,U.S.A.	30.1119N	101.0772W	533	From 1964-04-04 to 1964-08-11
Juntas	JUNT	Costa Rica,Costa Rica	10.2820N	84.9590W	157	
Juntas	ESME	Colombia	4.6645N	75.3522W	4490	
Juntas	NIDO	Colombia	4.6640N	75.3273W	4715	
Juntas del Toro	CO01	Coquimbo	29.9773S	70.0939W	2157	From 2013-02-13
Juquia	JUQB	Sao Paulo,Brazil	24.0930S	47.7163W	470	
Jurai, Sumatera Barat	JPSI	Indonesia	1.3416S	100.5864E	31	From 2019-10-01
Jurilovca	JURR	Romania	44.7661N	28.8769E	37	From 2013-11-06
Juriquilla Campus	JRQG	Queretaro de Arteaga,Mexico	20.7037N	100.4469W	1965	
Jurowce	PL06A	Poland	45.5938N	22.1370E	309	From 2019-12-12
JURS	JURS	Saudi Arabia	21.8664N	39.7978E	472	
JUST BEFORE CUBE	EC15	Ecuador	0.5824N	79.6293W	82	From 2016-05-13
Juticalpa Olancho	JUTIH	Honduras	14.6746N	86.2203W	442	From 2016-01-01
Juwangi, Jawa Tengah	JWJM	Indonesia	7.2062S	110.7315E	74	From 2019-01-01
Juzbado, Salamanca	EJUZ	Spain	41.0864N	5.8894W	793	From 2016-11-30
Jwalamukhi	JWL	Himachal Pradesh,India	31.8700N	76.3706E	0	
Jwalamukhi	JWA	Himachal Pradesh,India	31.8667N	76.3333E		
Jyotipuram	JYP	Jammu and Kashmir,India	33.1083N	74.8500E		
K62	K62	Baja California	31.8312N	116.0597W	1008	
Kaadhehdhoo	KAAM	Maldives	0.4926N	72.9949E	-1	From 2008-01-29
Kaahu Road	KUTZ	North Island,New Zealand	38.4891S	175.8233E	457	From 2010-04-15
Kaamanen	KMNF	Finland	69.1489N	26.9961E	224	From 2017-10-01
Kaapuna	KUH	Hawaii,U.S.A.	19.2663N	155.8710W	524	From 1972-01-04
Kabakon Island	EDY	New Ireland,Papua New Guinea	4.2395S	152.3890E	5	
Kabaktan	KBKS	Sakha,Russia	56.6800N	122.4200E	1010	From 1989-05-01 to 1989-08-31
Kabansk	KAB	Buryatiya,Russia	52.0500N	106.6539E	468	
Kabd	KBD	Kuwait	29.1756N	47.6933E	124	
Kabsdagh	KBSD	Syria	37.0013N	40.5430E	562	From 2002-04-01
Kabul	KBL	Afghanistan	34.5408N	69.0432E	1920	
Kabul (SRO)	KAAO	Afghanistan	34.5408N	69.0432E	1920	From 1977-05-10
Kabul University	KBU	Afghanistan	34.5151N	69.1347E	1817	From 2005-11-24
Kabupaten Dompu	DBNI	Sumba,Indonesia	8.5019S	118.3121E	185	
Kaceov	KACW	Czech Republic	50.1436N	12.5172E	524	From 2004-01-01
Kacgae	KGCAE	Botswana	22.8538S	22.2068E	1153	
Kadamtala	KATL	Andaman Islands,India	12.3656N	92.7500E	14	From 2012-01-01
Kaden, Bauxite	X41A	Arkansas,U.S.A.	34.4949N	92.5137W	102	From 2011-05-07 to 2013-02-16
Kadinhani	KDHN	Turkey	38.5211N	32.1164E	1122	From 2005-02-23
Kadzharan	KDR	Armenia	39.1500N	46.1000E	2155	From 1972-01-01
Kaena	KAE	Hawaii,U.S.A.	19.2892N	155.1320W	37	From 1973-05-08
Kaena Point	KPH	Hawaii,U.S.A.	21.5761N	158.2750W	110	From 1965-04-01 to 1976-12-31
Kaeng Krachan	PHET	Thailand	12.9100N	99.6300E	100	From 2008-01-01
Kafar-mosalman	IKFM	Iran	33.5244N	47.8469E	0	From 2008-01-01
Kafrein	KFNJ	Jordan	31.8617N	35.6760E	-90	From 1983-09-01
Kaftarguzar	KFTR	Tajikistan	38.8300N	70.1500E	1800	
Kaga	JKG	Ishikawa,Japan	36.2767N	136.3317E	25	
Kagalaska	AD3	Alaska,U.S.A.	51.7428N	176.3570W	198	From 1974-01-01 to 1992-02-01
Kagalaska Island	ETKA	Alaska,U.S.A.	51.8619N	176.4059W	290	
Kagoshima	KAG	Kagoshima,Japan	31.5508N	130.5508E	2	
Kagoshima 2	KAGJ	Kagoshima,Japan	31.1867N	130.8883E	200	
Kagssortoq	KAGG	Greenland	63.2485N	42.0349W	28	
Kahalu`u	KHLU	Hawaii,U.S.A.	19.5920N	155.8931W	958	
Kahama	HAMA	Tanzania,United Republic of Tanzania	3.8318S	32.6430E	1222	
Kahang-Kahang	KHKI	Bali,Indonesia	8.3643S	115.6080E		
Kaharoa	KAHNZ	New Zealand	37.9877S	176.2827E	339	
Kaharoa	KARZ	North Island,New Zealand	38.0202S	176.2443E	405	From 2006-05-02
Kahler Asten	KASTN	Germany	51.2027N	8.4162E	610	
Kahnooj	KHNJ	Iran	27.9477N	57.7056E	492	From 2013-05-15
Kahnooj	KHJ1	Iran	28.3490N	58.1649E	900	From 2021-07-01
Kahramanmaras	KMRS	Turkey	37.5053N	36.9000E	590	From 2006-08-30
Kahramanmara	HCB	Turkey	37.3439N	36.9081E	516	From 2009-03-01 to 2017-03-01
Kahramanmaras, Dulkadiroglu	KAHM	Turkey	37.5167N	36.9870E	587	From 2014-10-31
KAHRAMANMARAS_ Elbistan	ELBS	Turkey	38.3243N	37.1327E	1260	From 2011-11-02
Kahta	KAHTU	Turkey,Turkey	37.8053N	38.6101E	766	
Kahui Hut	KHEZ	North Island,New Zealand	39.2942S	174.0145E	874	From 2009-05-21
Kahuku	KHU	Hawaii,U.S.A.	19.2461N	155.6150W	1937	From 1969-08-26
Kahului Airport	KHLH	Hawaii,U.S.A.	20.8972N	156.4264W	14	
Kahuranaki	KAHZ	North Island,New Zealand	39.7942S	176.8766E	638	From 2007-06-07
Kahutara	KHZ	South Island,New Zealand	42.4160S	173.5390E	20	From 1988-12-08
Kaiam	KIAM	Papua New Guinea	7.1124S	143.9224E	307	
Kaiamu	PGKAI	New Britain,Papua New Guinea	5.4659S	150.9134E	10	
Kaiapoi North School	KPOC	South Island,New Zealand	43.3765S	172.6638E	2	From 2004-11-25
Kaibab National Forest USFS, William	V15A	Arizona,U.S.A.	35.8191N	112.1731W	1891	From 2007-04-19 to 2008-11-21
Kaihoka Lakes	KHLK	South Island,New Zealand	40.5570S	172.6119E	66	From 2013-04-12
Kaikoura	KKZ	South Island,New Zealand	42.4203S	173.6965E	109	From 1980-06-17 to 1989-06-08
Kaikoura	KIKS	South Island,New Zealand	42.4258S	173.6821E	8	From 1999-09-27
Kaikoura West	KKY	South Island,New Zealand	42.4183S	173.6921E	101	From 1972-06-08 to 1980-06-17
Kailua Kona	KKH	Hawaii,U.S.A.	19.6567N	156.0186W	14	From 1975-01-01
Kaimai	KMRZ	North Island,New Zealand	37.8456S	175.9416E	542	From 2011-03-08
Kaimana, Papua	KMPI	Irian Jaya,Indonesia	3.6616S	133.7044E	0	From 2008-12-01
Kaimata	KAI	South Island,New Zealand	42.5241S	171.4088E	82	From 1942-09-01 to 1990-12-05
Kainokawa	KKW	Wakayama,Japan	33.8987N	135.4420E	260	
Kaintal	A019A	Austria	47.4457N	15.0856E	1125	From 2015-07-01
Kaipara Flats	KPFZ	New Zealand	36.4269S	174.6165E	109	From 2023-03-17
Kaiseraugst-Friedh	SKAF	Switzerland	47.5384N	7.7199E	270	From 2006-10-04
Kaiser Creek	KCC	California,U.S.A.	37.3236N	119.3187W	888	From 1995-12-09
Kaiserville	KVN	Nevada,U.S.A.	39.0510N	118.1000W	1829	From 1972-01-13
Kaitaia	KIT*	North Island,New Zealand	35.1083S	173.2650E	91	
Kaitanak	KTNR	Altayskiy Kray,Russia	50.1470N	85.4650E	979	
Kaiti Beach	GKBS	North Island,New Zealand	38.6822S	178.0319E	30	From 2011-08-19
Kaizawa	KZW	Aomori,Japan	40.6915N	140.3631E	160	
Kajaani	KJN	Finland	64.0853N	27.7119E	250	
Kajaani	KJF	Finland	64.1992N	27.7147E	160	From 1970-07-09 to 1990-03-31
KAJAANI	KJNF	Finland	64.2501N	27.6285E	143	From 2022-09-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kajisay	KDJ	Kyrgyzstan	42.1300N	77.1800E	1799	From 2011-04-15
Kakadu	KDU	Northern Territory,Australia	12.6869S	132.4727E	46	From 2008-11-26
Kakadu	KAKA	Northern Territory,Australia	12.7115S	132.4396E	100	
Kakani	KKN	Nepal	27.7900N	85.2800E	1920	From 1980-03-01
Kakaramea	KATZ	North Island,New Zealand	38.9749S	175.6949E	1327	From 1996-08-25
Kakegawa	JKKG	Shizuoka,Japan	34.7857N	137.9732E	-450	
Kakegawa	KGW	Shizuoka,Japan	34.8626N	138.0222E	69	
Kakegawashinomba	JKKS	Shizuoka,Japan	34.7510N	137.9857E	75	From 2012-11-01
Kakessio	OSIN	Tanzania,United Republic of Tanzania	3.3678S	35.0375E	1684	
Kakhk	KKHK	Iran	34.1374N	58.6340E	1678	From 2000-08-22
Kakhk	KHI	Iran	34.1433N	58.6417E	1600	From 1971-04-01
Kakint	KKNTU	Panama	8.8401N	81.8062W	101	
Kakioka	KAK	Ibaraki,Japan	36.2317N	140.1930E	27	
Kakioka Outpost	KAKJ	Ibaraki,Japan	36.2050N	140.1730E	-80	From 1978-01-01
Kalabao	TQ05	Taiwan region	24.1774N	121.4054E	2180	From 2017-05-24
Kalaidasht	KLD	Tajikistan	38.5300N	69.4800E		
Kalaidasht	KLTT	Tajikistan	38.3800N	69.2900E	1800	From 1961-01-01 to 1995-01-01
Kalalua Cone	KLCH	Hawaii,U.S.A.	19.4058N	155.0680W	659	
Kalamaria	KLR1	Greece	40.5824N	22.9495E	54	From 2011-06-01
Kalamata	KAL3	Greece	37.0246N	22.1030E	126	From 2011-11-01
Kalamata	KLMT	Crete,Greece	37.0613N	22.0597E	6	From 2013-10-10
Kalamazoo	KZM	Michigan,U.S.A.	42.1528N	85.8211W		From 1978-02-01 to 1996-12-31
Kalapoi	CCH1	South Island	43.3869S	172.6077E	8	
KALAT	KAGH	Iran	36.9330N	59.9500E	1421	From 2020-05-18
Kalaupapa	KPA	Hawaii,U.S.A.	21.1900N	156.9848W	4	
Kalavrita	KLV1	Greece	38.0326N	22.1080E	718	From 2011-10-01
Kalavryta, Achaia	KLV	Greece	38.0437N	22.1504E	758	From 2009-04-08
Kalawad	B0DF	Gujarat	22.2138N	70.3833E	95	From 2016-12-09
Kalayaan	KIPH	Spratly Islands	11.0530N	114.2840E	2	
Kalborn	LKLB	Luxembourg	50.1000N	6.1086E	320	From 1995-04-01
Kaldrsel	IKAS	Iceland	64.0229N	21.8520W	108	From 2006-02-03
Kalehe	KALEH	Democratic Republic of the Congo	2.1071S	28.9209E	1508	From 2019-07-01 to 2022-07-01
Kalfafell	IKAL	Iceland	63.9480N	17.6870W	78	From 1996-10-22
Kalgarh	KALG	Uttar Pradesh,India	29.5062N	78.7537E	0	
Kalgoorlie	KLGA	Western Australia,Australia	30.7175S	121.4380E	390	From 1986-05-12 to 1988-08-10
Kalgoorlie	KLG	Western Australia,Australia	30.7837S	121.4580E	360	From 1964-01-01 to 1986-05-12
Kalgoorlie Cheetham St	KLCE	Western Australia	30.7560S	121.4680E	470	From 2006-01-01
Kalgoorlie, Gindalbie	KLGGI	Western Australia	30.2828S	121.7614E	420	From 2022-04-20 to 2032-04-20
Kalgoorlie, Hampton Hill	KLGHH	Western Australia	30.7497S	121.7527E	380	From 2022-04-20 to 2032-04-20
Kalgoorlie Hannans Street	KLGHS	Western Australia	30.7460S	121.4740E	403	From 2021-12-14 to 2031-12-14
Kalgoorlie Longshaft mine	KLLS	Western Australia	31.1782S	121.6770E	470	From 2016-01-01
Kalianget	KMMI	Jawa,Indonesia	7.0500S	113.9667E	0	
Kaliani, PE02	PE02E	Greece	37.8958N	22.4907E	839	
Kaliastana	KALI	Jawa,Indonesia	7.1064S	106.6590E	810	
Kalibo	KALP	Panay,Philippines	11.6780N	122.3380E	15	
Kaliningrad	KLNR	Kaliningradskaya Oblast',Russia	54.6044N	20.2094E	8	From 2009-04-10
Kalinino	KLN4	Sakhalinskaya Oblast',Russia	46.8480N	142.0104E	20	From 2003-01-01 to 2006-12-31
Kalinovik	KALIN	Bosnia and Herzegovina	43.5022N	18.4462E	1071	From 2018-05-17
Kalithea	KALE	Greece,Greece	38.3911N	22.1398E	760	From 2008-01-01
Kalithea	S031	Greece	38.4260N	23.8990E	152	
Kalivia Analipseos	KANL	Greece	39.8334N	22.0247E	260	From 2021-03-14
Kalix	KALU	Sweden	65.8596N	23.3567E	30	From 2006-09-19
Kallithies, Rhodes Isl.	RKL1	Greece	36.3367N	28.1712E	70	From 2012-08-01
Kalltalsperre	KLL	Nordrhein-Westfalen,Germany	50.6467N	6.3113E	440	
Kalmit	KTD	Rheinland-Pfalz,Germany	49.3191N	8.0826E	675	From 1971-10-01 to 2019-12-31
Kalnik	KALN	Croatia	46.1312N	16.4557E	580	
Kalochori, N006	N006M	Greece	39.6778N	20.6118E	369	
Kalocsa	KAL	Hungary	46.5286N	18.9764E	93	
Kaloneri, N015	N015M	Greece	40.2843N	21.4865E	688	
Kaloudiana Chania	KLDN	Crete,Greece	35.4870N	23.6905E	44	From 2006-12-01
Kalowe	KALO	Malawi	9.9111S	33.6448E	1065	From 2014-07-22 to 2015-11-04
Kaloz	A267A	Hungary	46.9463N	18.4820E	116	From 2015-12-03
Kalpa	KLP	Himachal Pradesh,India	31.5333N	78.2500E	2724	
Kaltan 1	KALT1	Kemerovskaya Oblast'	53.4161N	87.4235E	305	From 2018-09-04
Kaltan 2	KALT2	Kemerovskaya Oblast'	53.4004N	87.3235E	298	From 2018-09-13
Kaltan 3	KALT3	Kemerovskaya Oblast'	53.5127N	87.4388E	328	From 2018-09-02
Kalwaria Paclawska	KWP	Poland	49.6314N	22.7075E	448	From 1999-06-24
Kalyeeda Homestead, Kimberley	KIM03	Western Australia	18.5410S	124.6880E	85	From 2021-08-03
Kalymnos	KLNA	Greece	36.9571N	26.9728E	35	
Kamafusa	KMF	Miyagi,Japan	38.2100N	140.7017E	180	
Kamakawa 2	JKK2	Kamikawa,Japan	43.8728N	142.7480E	350	
Kamakura	KMK	Kanagawa,Japan	35.3167N	139.5500E		
Kaman	KAMT	Turkey	39.3690N	33.7130E	1161	
KAMANJAB	KJAB	Namibia	19.6203S	14.8487E	1234	From 2006-04-05
Kamaran Island	KAMRY	Yemen	15.3327N	42.6158E	23	From 2007-10-10
Kamari	S002	Greece	37.3060N	21.7820E	241	
Kamar-syah	IKMR	Iran	33.5178N	48.3803E	0	From 2008-01-01
Kamata	KTJ	Shizuoka,Japan	34.9433N	139.0870E	58	From 1979-04-01 to 1990-03-20
Kamata 2	KTJJ	Shizuoka,Japan	34.9252N	139.0640E	175	From 1990-03-20
Kamata3	KTJ3	Shizuoka,Japan	34.9338N	139.0708E	156	From 2012-07-01
Kambah	KMBH	Australian Capital Territory,Australia	35.3892S	149.0786E	599	From 1985-12-15
Kambalda	KMBL	Western Australia,Australia	31.3669S	121.8821E	370	From 2000-11-28
Kamchatka Peninsula	KAMP	Kamchatskaya Oblast',Russia	56.0220N	163.0220E	97	From 1983-08-01 to 1983-08-31
Kamchatka temporary site	ST03S	Kamchatskaya Oblast',Russia	60.9850N	166.2250E	157	
Kamchatka temporary site	ST01S	Kamchatskaya Oblast',Russia	60.4330N	166.0600E	29	
Kamchatka temporary site	ST02S	Kamchatskaya Oblast',Russia	60.9610N	166.8530E	66	
Kameni Chora, Methana, Greece	MET2	Greece	37.6127N	23.3296E	195	From 2019-05-20
Kamenistaya	KMNR	Kamchatskaya Oblast',Russia	55.7560N	160.2370E	1100	
Kamenistyi	UL2S	Sakha,Russia	65.4100N	144.8300E	670	From 1988-01-01 to 1988-12-31
Kamenskaya	KMSK	Kamchatskaya Oblast',Russia	62.4669N	166.2055E	45	From 2010-06-24
Kamenskoye	KAMR	Kamchatskaya Oblast',Russia	62.4560N	166.2100E	64	From 1994-10-10
Kamensk Uralskiy	KAUR	Sverdlovskaya Oblast',Russia	56.4318N	61.5030E	166	From 2007-04-02
Kameyama	KMYN	Mie,Japan	34.8670N	136.3500E	240	
Kameyama	KAM	Mie,Japan	34.8567N	136.4650E	71	
Kami	KMA	Albania	42.2620N	20.2428E		
Kamigamo	KGMK	Kyoto,Japan	35.0593N	135.7657E	180	
Kamigamo	KMM	Kyoto,Japan	35.0333N	135.7000E	190	
Kamikawa	JKK	Kamikawa,Japan	43.8117N	142.8472E	430	
Kamikawa-asahi	JKA	Kamikawa,Japan	44.1160N	142.6000E	220	From 2009-01-01
Kamikineusu	KMU	Hidaka,Japan	42.2386N	142.9670E	185	From 1967-07-01
Kamikuga	KKGU	Tochigi,Japan	36.5979N	139.6250E	280	From 1976-07-17
Kamimonzen	KV02	Miyazaki,Japan	31.9931N	130.8364E	430	
Kamimuroga	KRJ	Nagano,Japan	36.4164N	138.1510E	621	From 1968-07-01
Kaminaka	KMNK	Tokushima,Japan	33.7865N	134.3057E	280	
Kaminokuni	KKJ	Hiyama,Japan	41.7789N	140.1757E	70	
Kamitakara	KTJD	Gifu,Japan	36.2802N	137.3271E	760	
Kammena Vourla	KMV1	Greece	38.7794N	22.7846E	25	From 2013-01-15
Kamo	KMOZ	Armenia	40.8216N	43.9492E	1651	
Kamo	KAMZ	Armenia	40.8250N	43.9500E	1230	
kamogawauchiura	JKUC	Chiba,Japan	35.1597N	140.1992E	80	From 2012-11-01
Kamor	KAMOR	Switzerland	47.2896N	9.4875E	1730	
Kamor/St.Gall Rh.T	LIENZ	Switzerland	47.2946N	9.4927E	1720	From 2004-10-28
Kampirabad	KMPR	Uzbekistan	40.7684N	73.0121E	790	
Kampiravat	KPVT	Uzbekistan	40.4674N	72.9868E	768	
Kamuela	KML	Hawaii,U.S.A.	20.0317N	155.7000W	740	
Kamusenper, Kalajoki	OBF7	Finland	64.1766N	24.0536E	39	From 2013-03-19
Kanab	KNB	Utah,U.S.A.	37.0166N	112.8220W	1715	From 1968-11-01
Kanab	KN-UT	Utah,U.S.A.	37.0228N	112.8275W	1737	From 1961-12-09 to 1999-08-25
Kanab	KEUT	Utah,U.S.A.	37.0503N	112.5293W	1514	From 2008-05-29
Kanab	KN-	Utah,U.S.A.	37.0228N	112.8275W	1737	From 1961-12-09 to 1999-08-25
Kanaga Island Cape Miga	KICM	Alaska,U.S.A.	51.9189N	177.1953W	183	
Kanaga Island Kanaga Volcano	KIKV	Alaska,U.S.A.	51.8788N	177.1704W	411	
Kanaga Island MID Benchmark	KIMD	Alaska,U.S.A.	51.7616N	177.2349W	183	
Kanaga Island North Cape	KINC	Alaska,U.S.A.	51.9314N	177.1276W	198	
Kanaga Island Round Head	KIRH	Alaska,U.S.A.	51.8996N	177.0935W	309	
Kanaga Island Westway Bight	KIWB	Alaska,U.S.A.	51.8531N	177.1508W	244	
Kanahau	KANH	Hawaii,U.S.A.	20.6933N	156.2913W	2745	
Kanaihara	KNJD	Shiga,Japan	35.5716N	136.2846E	300	
Kanaka Peak	KPK	California,U.S.A.	39.5833N	121.3050W	899	From 1969-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kanangra Walls	KANM	New South Wales,Australia	33.9966S	150.0668E	1206	
Kanayama	KNY	Fukushima,Japan	37.4004N	139.5580E	390	
Kanazawa	KANJ	Ishikawa,Japan	36.5867N	136.6370E	0	From 1991-10-23
Kanazawa	KAN	Ishikawa,Japan	36.5467N	136.6480E	28	
Kanazawa 2	KAN2	Ishikawa,Japan	36.5250N	136.7767E	530	From 1992-04-24
Kanchanaburi	KBR	Thailand	14.0167N	99.5333E	28	From 1986-12-01
Kandavu Island	KDV	Fiji	18.9655S	178.3470E	390	
Kandel, Kundencenter Pfalzwerke	INS6	Germany	49.0869N	8.1932E	130	From 2012-09-18 to 2015-04-15
Kandik River	I27K	Alaska,U.S.A.	65.6035N	141.6153W	874	From 2016-07-26
Kandilli-Istanbul	KAVV	Turkey	41.0638N	29.0600E	139	From 2010-01-01
Kandira	KND	Turkey	41.0527N	30.1608E	50	From 1978-11-01 to 1999-08-25
Kanekii	KIH	Hawaii,U.S.A.	19.5093N	155.7650W	1841	
Kane Nui o Hamo	KNHH	Hawaii,U.S.A.	19.3794N	155.1693W	954	
Kaneyama	JYK	Yamagata,Japan	38.9178N	140.3590E	220	
Kangalassy	KNGL	Sakha,Russia	62.3470N	129.9710E	150	
kangal_SIVAS	CUKAN	Turkey	39.3163N	37.4667E	1523	From 2010-07-09
Kangasniemi	NE62	Finland	62.1120N	26.3060E	124	
Kangasniemi	KAF	Finland	62.1128N	26.3061E	205	From 1977-08-31
Kangerlussuaq 2	SF2	Greenland	66.9967N	50.6226W	0	
Kangerlussuaq 2	SFJD	Greenland	66.9960N	50.6215W	80	
Kanggye	KGE	Democratic People's Republic of Korea	40.9450N	126.6125E	260	From 1978-01-01
Kangiqsualujjuaq	KAJQ	Quebec,Canada	58.6940N	65.9305W	46	From 2011-08-10
Kangiqsujuaq	KNGQ	Quebec,Canada	61.5849N	71.9483W	54	From 2011-08-05
Kangirsuk	KRSQ	Quebec,Canada	60.0220N	69.9912W	132	From 2011-08-07
Kangurt	KNR	Tajikistan	38.2500N	69.5300E		
Kankaanpaa	KPF	Finland	61.8337N	22.0704E	82	From 2016-09-30
KANKER	KNKR	India	16.2670N	81.4990E	387	From 2018-04-08
KANO	KANON	Namibia	19.1949S	19.4398E	1143	
Kano Inlet	KANO	British Columbia,Canada	53.2883N	132.6175W	221	
Kanowna Belle, Kanowna, WA	KANBL	Western Australia	30.5892S	121.6146E	394	From 2020-06-15
Kansas City	KC-	Missouri,U.S.A.	39.3558N	94.6714W	274	From 1965-10-17 to 1967-01-16
Kansas City	KC-MO	Missouri,U.S.A.	39.3558N	94.6714W	274	From 1965-10-17 to 1967-01-16
Kansas State University--Konza Prairie	KSU1	Kansas,U.S.A.	39.1009N	96.6094W	317	From 2003-05-28
Kantara	KANT	Cyprus	35.3830N	33.8800E	0	
Kantishna Hills	KTH	Alaska,U.S.A.	63.5530N	150.9220W	975	From 1988-08-15
Kanton	KNTN	Phoenix Islands,Kiribati	2.7744S	171.7190W	0	
Kantonsschule Buelach	EBUEL	Switzerland	47.5184N	8.5483E	427	From 2010-05-27
Kantonsschule Wattwil	EWATT	Switzerland	47.3012N	9.0876E	612	From 2008-12-12
Kanzaki	KZT	Hyogo,Japan	35.0739N	134.7933E	200	
Kaohsiung	KAU	Taiwan region	22.5679N	120.3080E	2	
Kaohsiung City	SNJT	Taiwan region	22.7533N	120.3352E	21	From 2013-01-18
Kaohsiung Port	KAUP	Taiwan region	22.5540N	120.3150E	0	From 2001-08-27
Kaoiki Faults	KFH	Hawaii,U.S.A.	19.4210N	155.4190W	1579	
Kaokaonui	KAONZ	New Zealand	37.8783S	176.2462E	365	
Kapahiang	KSI	Sumatera,Indonesia	3.6517S	102.5929E	539	
Kapalarasan	KAPS	Kazakhstan	45.2850N	79.3570E	900	From 1989-09-01
Kapapala Ranch	KLH	Hawaii,U.S.A.	19.2733N	155.4450W	610	From 1969-10-02 to 2000-11-09
Kapas, Jawa Timur	KPJM	Indonesia	7.1883S	111.9281E	23	From 2019-01-01
Kapi,Mantamados,Lesvos	LESV1	Greece	39.3306N	26.3086E	370	From 2023-01-11
Kapiti Island	KIW	North Island,New Zealand	40.8609S	174.9098E	381	From 1978-04-10
Kapnoxori, N020	N020M	Greece	40.3499N	21.9605E	792	
Kapoho	KPO	Hawaii,U.S.A.	19.5003N	154.8420W	134	
Kapoka	KAPK	Malawi	9.7801S	33.4574E	1357	From 2014-07-21 to 2015-11-04
Kaporo	KAPOR	Malawi	9.7851S	33.8208E	533	From 2014-07-20 to 2015-11-04
Kaposfured	A265A	Hungary	46.4245N	17.7954E	151	From 2015-12-15
Kapowsin	B941	Washington,U.S.A.	46.9868N	122.2190W	3	
Kappang	KPNG	Sulawesi,Indonesia	5.0153S	119.7508E	300	
Kappang	KAPI	Sulawesi,Indonesia	5.0142S	119.7517E	30	
Kap Tobin	KTG	Greenland	70.4167N	21.9833W	6	From 1980-09-30 to 2000-05-26
Kapuskasing	KAPO	Ontario,Canada	49.4504N	82.5079W	210	
Kapuskasing	KAO	Ontario,Canada	49.4483N	82.4850W	198	From 1982-09-18 to 1999-08-25
Kaputan	KAPZ	Armenia	40.3220N	44.6990E	1700	
Karaagac	RFT2	Turkey	39.4213N	26.8655E	82	From 2017-06-16
Karabastau	KRBS	Kazakhstan	43.6960N	75.6750E	915	From 2013-09-10
Karabiga	KGT	Turkey	40.4517N	27.3033E	185	From 1984-03-14
Karabiga-Canakkale	KRBG	Turkey	40.3932N	27.2977E	76	From 2008-06-27
KARABUK-Merkez	KBUK	Turkey	41.2366N	32.6270E	548	From 2012-11-16
Karaburun	RFT4	Turkey	38.5935N	26.5537E	137	From 2017-06-17
Karaburun	KRBN	Turkey	38.5935N	26.5536E	135	From 2011-07-24
Karacabey	KCT	Turkey	40.2656N	28.3567E	451	From 1983-06-01
Karacabey (Bursa)	KCTX	Turkey	40.2655N	28.3565E	451	From 2008-07-11
Karacayir	SVSK	Turkey	39.9170N	36.9980E		
Karachi	KCHI	Pakistan	24.9100N	67.1300E	34	From 2006-07-26
Karachi	KAR	Pakistan	24.9333N	67.1433E	34	
Karacoban	EKAR	Turkey	39.2559N	42.0640E	2129	From 2009-09-29
Karad	KARD	Maharashtra,India	17.3074N	74.1834E	618	
Karad	KAD	Maharashtra,India	17.3077N	74.1835E	587	From 1970-01-01
Karadeniz	KDE	Turkey	41.2889N	31.4250E	290	From 1982-07-01
Karadeniz Ereoli	KDZE	Turkey	41.3132N	31.4429E	410	From 2006-06-29
Karagaybulak	KBK	Kyrgyzstan	42.6564N	74.9478E	1760	
Karahalli	KHL	Turkey	38.3232N	29.5232E	940	From 1988-08-01
Karahalli	KHAL	Turkey	38.3703N	29.4917E	1141	From 2007-05-30 to 2015-04-07
Karahalli, USAK	PASA	Turkey	38.3480N	29.4877E	979	From 2015-06-24
Karaikal	KRKL	Tamil Nadu,India	10.9000N	79.8667E		
Karaisali	KARA	Turkey	37.2607N	35.0546E	366	From 2005-08-26
Karak	SWQJ	Jordan	31.4046N	36.0995E	870	
Karaka Road Borehole	KBAZ	North Island,New Zealand	37.0947S	174.8886E	-148	From 2008-10-30
Karakunidake	KV06	Miyazaki,Japan	31.9494N	130.8711E	1100	
Karaman	KRMN	Turkey	37.1739N	33.2635E	1068	From 2014-02-07
Karaman	KANR	Dagestan	43.1960N	47.4890E	-25	From 2013-12-01
Karaman, Kazimkarabekir	KKBE	Turkey	37.2196N	32.9404E	1118	From 2014-12-01
Karamea School	KASC	South Island,New Zealand	41.2494S	172.1164E	9	From 2002-04-17
Karamursel	KMS	Turkey	40.6727N	29.5911E	280	From 1978-08-01 to 1999-08-25
Karamyk	DRK	Kyrgyzstan	39.4800N	71.8000E	2627	From 2011-03-12
Karanay	KRNR	Dagestan,Russia	42.8269N	46.9069E	1150	
Karangahape Cliffs	KPRZ	New Zealand	38.8020S	175.7928E	556	From 2022-12-13
Karangkates	KRKI	Jawa,Indonesia	8.1583S	112.4525E	0	
Karang Pucung	KPJI	Jawa,Indonesia	7.3330S	108.9310E	0	From 2007-12-01
Karang Ratu	KRAI	Ambon,Indonesia	3.3184S	128.3947E	124	
Karanos	KARN	Crete,Greece	35.4019N	23.9174E	420	From 2004-12-03
Karapiro	KRP	North Island,New Zealand	37.9232S	175.5377E	64	From 1951-06-15 to 1990-02-06
Karasay	KRSA	Uzbekistan	40.1178N	67.7406E	518	
Kara-Say	KRSY	Kyrgyzstan	41.5396N	77.9073E	3303	From 2022-09-15
Karasker	IKSK	Iceland	64.1613N	16.4737W	940	From 2013-06-02
Karasu	KRU	Tajikistan	38.4800N	68.9700E		
Karasu	KRUK	Kyrgyzstan	41.6200N	72.5800E	0	From 1960-10-01 to 1989-01-01
Karatas	KRTS	Turkey	36.5731N	35.3749E	53	From 2005-08-25
Karatas-Adana	KRTD	Turkey	36.5933N	35.4157E	47	From 2011-09-01
Karatay Array	KKAR	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK31	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK04	Kazakhstan	43.1098N	70.5060E	525	From 2001-12-01
Karatay Array site	KK02	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK07	Kazakhstan	43.0891N	70.5008E	528	From 2001-12-01
Karatay Array site	KK03	Kazakhstan	43.1028N	70.5012E	529	From 2001-12-01
Karatay Array site	KK01	Kazakhstan	43.1054N	70.5061E	525	From 2001-12-01
Karatay Array site	KK08	Kazakhstan	43.1048N	70.4871E	539	From 2001-12-01
Karatay Array site	KK06	Kazakhstan	43.0944N	70.5255E	533	From 2001-12-01
Karatay Array site	KK09	Kazakhstan	43.1224N	70.4995E	546	From 2001-12-01
Karatay Array site	KK05	Kazakhstan	43.1170N	70.5235E	509	From 2001-12-01
Karatobe	KTBS	Kazakhstan	43.7120N	76.6820E	766	From 1992-09-01
Karatu	KRTU	Tanzania,United Republic of Tanzania	3.3560S	35.5960E	862	
Karatu Welwel PS	MW44	Tanzania	3.3437S	35.6638E	1556	From 2013-01-18 to 2014-12-07
Karbala	KAR3	Iraq	32.5398N	44.0224E	45	From 2017-01-15
Karbol	NBB03	Norway	67.1031N	14.9681E	187	From 2013-08-01 to 2016-06-01
Kardakata, Kephalonia	KEF5	Greece	38.2778N	20.4683E	303	From 2014-06-10
Kardakata, Kephalonia	KEF1	Greece	38.2778N	20.4709E	0	From 2014-01-27 to 2014-05-24
Kardaras	S010	Greece	37.6290N	22.2950E	1082	
Kardeh	IKRD	Iran	36.7759N	59.5150E	2245	From 2004-06-01
Kardistsa	KAR2	Thessaly	39.3658N	21.9193E	130	From 2012-09-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kare Kore	KORE	Ethiopia	10.4265N	39.9344E	1774	
Karewarewa	KAVZ	North Island,New Zealand	39.0957S	175.6460E	1192	From 1993-11-12 to 2004-12-15
Karewarewa	KRVZ	North Island,New Zealand	39.0944S	175.6412E	1207	From 2004-12-03
Kargi	KART	Turkey	41.1697N	34.3056E	1946	From 1992-01-01 to 1994-05-31
Kargicak-Mersin	KARG	Turkey	36.2030N	33.7087E	275	From 2013-04-18
Kargin	KRGN	Turkey,Turkey	40.2904N	33.5486E	844	
Karia	KARIA	Greece	38.7593N	22.7480E	157	
Kariba Dam	KRB	Zimbabwe	16.5267S	28.7950E	805	From 1966-03-01 to 1999-08-25
Karibib	KARI	Namibia	21.9406S	15.8553E	1180	
Karkaralinsk	KKL	Kazakhstan	49.3300N	75.3800E	0	
Karkar Island	KKI	Papua New Guinea	4.5883S	145.9540E	460	From 1975-06-22
Karley and Nick, Howard	I32A	South Dakota,U.S.A.	44.0271N	97.4643W	493	From 2010-07-26 to 2012-06-06
Karliova-Bingol	KARO	Turkey	39.3089N	41.0493E	1820	From 2012-11-29
Karlovasi Samou	KRL1	Greece	37.7950N	26.7064E	10	From 2010-10-01
Karlskrona	KLS	Sweden	56.1650N	15.5917E	11	
Karlsruhe	KRL	Baden-Wurttemberg,Germany	49.0108N	8.4122E	114	From 1905-01-01
Karlsruhe, Majolikafabrik	KARL	Baden-Wurttemberg	49.0184N	8.4003E	116	From 2017-10-01
Karlsruhe West	KRW	Baden-Wurttemberg,Germany	49.0214N	8.3681E	110	
Karluk	R18K	Alaska,U.S.A.	57.5665N	154.4524W	39	From 2017-04-26
Karmadon	KARK	Severo-Osetinskaya	42.8449N	44.5088E	1492	From 2003-09-01
Karmit	KMTI	Israel	30.1044N	34.7251E	473	
Karmoy	KMY	Norway	59.2120N	5.2470E	58	From 1984-11-01
Karmrakar	KKRS	Armenia	39.3200N	46.4700E	1490	
Karmrakar	KRMZ	Armenia	39.3110N	46.4760E	1480	
Karoi	KRI	Zimbabwe	16.8307S	29.6151E	1343	
Karoi	KRR	Zimbabwe	16.8517S	29.6183E	1380	From 1967-01-01 to 1978-12-31
Karojba, Istria	A253A	Croatia	45.2926N	13.8167E	408	From 2016-06-06
Karokaro, Northern Div. Fiji, LBSA	LBSS	Fiji	16.3019S	179.4506E	13	
KARONGA	KARM1	Malawi	9.9541S	33.8954E	522	From 2010-08-05
Karpankyla	KU5	Finland	65.9146N	29.8862E	260	From 2003-11-05
Karpathos	KRPT	Crete,Greece	35.7611N	27.1981E	161	From 2007-05-01
Karpathos	KAP	Greece	35.5508N	27.1747E	250	From 1988-01-01 to 2003-02-24
Karpathos	KRPA	Greece	35.5082N	27.2092E	7	
Karpathos	KARP	Greece	35.5472N	27.1612E	528	
Karrat, Base Station, Greenland	KARAT	Greenland	71.6495N	52.5177W	769	From 2022-08-14
Karratha	KAA	Western Australia,Australia	20.7772S	116.8590E	15	From 1971-02-11 to 1972-08-09
Kars	DIGO	Turkey	40.4147N	43.3742E	2278	From 2005-08-04
Kars	KARS	Turkey	40.6276N	43.0788E	1450	From 1994-01-13
Karsak	KRSK	Turkey	40.4050N	29.2582E	176	From 2005-09-28
Karshahi	KRSH	Iran	33.9693N	52.1354E	1629	From 2012-04-01
Kars-Merkez-Bozkale	BOZK	Turkey	40.5906N	42.9763E	1892	From 2017-02-06
Kartal-Istanbul	KRTL	Turkey	40.9089N	29.1987E	83	From 2022-03-15
Kartellspeicher, Verwall	A037A	Austria	47.0703N	10.2643E	2020	From 2015-10-29
Karterados	SAP2K	Greece	36.4108N	25.4457E	185	
Karterados, Santorini	SNT3	Greece	36.4130N	25.4471E	136	From 2011-05-26
Karuizawa	KRZ	Nagano,Japan	36.3383N	138.5500E	1001	
Karuizawa	KAZ	Nagano,Japan	36.3383N	138.5500E	1001	
Karymshinskiy	KRMR	Kamchatskaya Oblast',Russia	52.8300N	158.1300E	120	From 2002-07-01
Karymskiy	KII	Kamchatskaya Oblast',Russia	54.0360N	159.4490E	900	
Karystos	KARY	Greece	38.0321N	24.4370E	220	From 2008-06-16
Kas	AKAS	Turkey	36.2327N	29.6052E	1279	From 2005-03-24
Kasabonika Lake, First Nations Ontario	KASO	Ontario,Canada	53.5279N	88.6414W	192	From 2005-08-03
Kasai	JKS	Hyogo,Japan	34.9827N	134.8443E	150	
Kasama	KSMZ	Zambia	10.1715S	31.2255E	1392	
Kasane	KSANE	Botswana	17.8002S	25.1618E	1006	
Kasansay	KSNS	Uzbekistan	41.1584N	71.5207E	882	
Kaseeta	KASE	Uganda	1.4162N	30.9638E	762	
Kasempa	KMZ	Zambia	13.4555S	25.8337E	1223	From 1984-01-01
Kashi	KSH	Xinjiang Uygur Zizhiqu,China	39.5167N	75.9731E	1314	
Kashi	KSH0	Xinjiang Uygur Zizhiqu	39.4500N	76.0250E	1286	From 1912-11-03 to 1912-12-31
Kashi	KSH2	Xinjiang Uygur Zizhiqu,China	39.1453N	75.5662E	1531	From 2007-12-30
Kashima	KSJ	Nagano,Japan	36.5762N	137.8050E	1010	From 1968-12-01 to 1969-03-31
Kashiwara	KAJ	Osaka,Japan	34.5000N	135.8000E	120	
Kashiwa-zaki	KZK	Niigata,Japan	37.2951N	138.5157E	220	
Kashiwa-zaki	KZJ	Niigata,Japan	37.3307N	138.5265E	100	
Kasigluk River	M15K	Alaska,U.S.A.	60.6947N	160.6884W	210	From 2017-05-21
Kaskelen	KASK	Kazakhstan	43.2178N	76.6414E	790	From 2016-07-29
Kasma	KU7	Finland,Finland	65.7582N	28.8991E	265	From 2007-08-13
Kasperske Hory	KHC	Czech Republic	49.1309N	13.5782E	695	From 1973-01-01
Kasr	KASR	Egypt	23.6105N	33.0872E	230	
Kasrt alli	KSRV	Syria	35.8641N	39.0026E	300	From 2005-01-01
Kassala	KSLA	Sudan	15.4016N	36.4343E	540	
Kassiopi	KASA	Greece	39.7463N	19.9354E	65	From 2010-08-18
Kassos Island	KSS1	Greece	35.4189N	26.9207E	0	From 2011-10-01
Kastamonı-Ara	PELI	Turkey	41.3005N	33.3117E	1057	From 2013-02-28
Kastamonu	KMON	Turkey	41.3738N	33.7839E	935	From 2013-09-23
Kastamonu	KAS	Turkey	41.3717N	33.7667E	850	From 1958-09-01
KASTAMONU	KAST	Turkey	41.4904N	33.9286E	677	From 2008-12-02
Kastamonu/Cide-Merkez	CIDE	Turkey	41.8821N	32.9471E	27	From 2014-12-01
Kastamonu-Seydiler	SEYI	Turkey	41.6357N	33.7416E	1056	From 2017-03-17
Kastanea	KTI	Greece	40.3929N	22.1165E	1329	
Kastek	KST	Kazakhstan	43.0430N	75.9630E	1415	
Kastelli,Crete,Greece	KSTE	Greece	35.1801N	25.3371E	395	From 2021-11-05
Kastelli Heraklio	KSTL	Crete,Greece	35.2092N	25.3375E	70	From 2006-12-01
Kastellorizon	KSL	Greece	36.1500N	29.5833E	100	From 1988-01-01
Kastoria	KAS2	Greece	40.5050N	21.2803E	657	From 2011-09-01
Kastoria	KSO	Greece	40.5225N	21.2775E	740	From 1997-01-01
Kastri-Kanalaki	KSTR	Greece	39.2492N	20.5760E	30	From 2022-01-25
Kastro Killinis, Greece	GR28	Greece	37.8899N	21.1402E	236	From 2022-12-22
Kasumi	JKSM	Hyogo,Japan	35.5875N	134.6638E	85	
Kasumkent	KSMR	Dagestan,Russia	41.6028N	48.1278E	840	
Kaszmaul Farm, Murdock	S33A	Kansas,U.S.A.	37.5936N	98.0016W	471	From 2009-10-16 to 2011-08-26
Katachas, Greece	GR12	Greece	40.4709N	22.5420E	130	From 2022-10-04
Katakolo	KTLO	Greece	37.6439N	21.3204E	0	
Katale	KTL	Democratic Republic of the Congo	1.3247S	29.3838E	1600	From 1990-01-01
Katano	KTNK	Osaka,Japan	34.7716N	135.7053E	250	
Katas	KTAS	Punjab,India	32.7000N	72.6000E	655	From 2010-06-30
Katashina	JKT	Tochigi,Japan	36.7667N	139.2488E	933	
Katav-Ivanovsk	KI05	Chelyabinskaya Oblast	54.8667N	58.0821E	327	From 2018-10-16 to 2019-08-23
Katav-Ivanovsk	KI04	Chelyabinskaya Oblast	54.7381N	58.1428E	446	From 2018-10-02 to 2020-06-10
Katav-Ivanovsk	KI01	Chelyabinskaya Oblast	54.6539N	57.7056E	469	From 2018-09-06 to 2019-10-16
Katav-Ivanovsk	KAIR	Chelyabinskaya Oblast	54.6181N	58.2826E	508	From 2020-07-31
Katerini	KAT1	Greece	40.2659N	22.5088E	75	From 2008-09-30
Katherine and Luke Keathley, Corsicana	236A	Texas,U.S.A.	31.9997N	96.5310W	118	From 2010-04-25 to 2012-01-20
Katherine High School	AUKAT	Northern Territories,Australia	14.4600S	132.2800E	122	From 2013-08-11
Katima Mulilo	KATM	Namibia	17.4891S	24.3043E	950	
Katlanovo	KAY	North Macedonia,North Macedonia	41.8958N	21.7017E	248	From 1969-01-01
Katmai	KTM	Alaska,U.S.A.	58.3247N	155.3760W	945	From 1973-07-27 to 1975-08-24
Katmai	KAWH	Alaska,U.S.A.	58.3837N	154.7992W	777	
Katmai Barrier Ridge	KABR	Alaska,U.S.A.	58.1312N	154.9692W	884	
Katmai Bkd Mtn	KBM	Alaska,U.S.A.	58.2750N	155.2017W	732	
Katmai Buttress	KABU	Alaska,U.S.A.	58.2704N	155.2822W	1065	
Katmai Hardscrabble Creek	KAHC	Alaska,U.S.A.	58.6483N	155.0081W	1250	From 2005-11-01
Katmai Hardscrabble Creek	Q18K	Alaska,U.S.A.	58.6484N	155.0086W	1250	From 2016-06-02
Katmai Hook Glacier	KAHG	Alaska,U.S.A.	58.4940N	154.5463W	923	
Katmai Ikagluik Creek	KAIC	Alaska,U.S.A.	58.4850N	155.0458W	734	
Katmai Knife Crk	KAKN	Alaska,U.S.A.	58.2970N	155.0611W	1049	
Katmai Mt Cerb's	KCE	Alaska,U.S.A.	58.2433N	155.1833W	777	
Katmai Pasha	KAPH	Alaska,U.S.A.	58.5968N	154.3468W	907	
Katmai Rainbow River	KARR	Alaska,U.S.A.	58.4978N	154.7033W	610	
Katmai Vly 10 NE	KVTA	Alaska,U.S.A.	58.3817N	155.2950W	457	
Katnaghbyur	KATS	Armenia	41.0183N	44.1850E	1795	
Katnajur	NB2S	Armenia	40.8150N	44.1717E	1800	
Kato	SKBJ	Hokkaido,Japan	43.2383N	143.0367E	460	From 2003-03-03
Kato Achaia	KAC1	Greece	38.1381N	21.5481E	34	From 2012-10-01
Katoa Kindergarten	POKS	North Island,New Zealand	41.1249S	174.8315E	23	From 2011-10-03
Kato Kleines, Florina	FNA2	Greece	40.8503N	21.3985E	636	From 2022-02-03 to 2022-06-23
Kato Vasiliki	VRS	Greece	38.3520N	21.6080E	340	From 2006-05-10
Katrineberg	KTN	Sweden	61.0660N	16.2840E		From 1980-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Katsuura	KTR	Chiba,Japan	35.1478N	140.3153E	10	From 1988-01-01
Katsuyama	KAJD	Fukui,Japan	36.0487N	136.5281E	300	
Katsuyama	KADD	Fukui,Japan	36.0621N	136.5482E	380	
Kattakurgan	KKRN	Uzbekistan	39.8896N	66.2736E	500	
Kattavia Rhodes Isl.	RKT1	Greece	35.9534N	27.7685E	46	From 2012-08-01
Kaudwane	KDWAN	Botswana	23.3803S	24.6608E	1038	
Kauhava	NE63	Finland	63.0470N	22.6680E	55	
Kaukuwa	NEPA	Namibia	17.7703S	18.4597E	1129	From 2015-05-01
Kauri Point	KAAZ	North Island,New Zealand	36.8223S	174.7036E	80	From 1998-05-23 to 2009-09-08
Kaushut	KAH	Turkmenistan	37.4500N	59.4830E	257	
Kautokeino	KTK1	Norway	69.0117N	23.2371E	340	From 1989-01-01
Kautokeino	KTK4	Norway	69.0081N	23.2347E		
Kautokeino	KTK5	Norway	69.0096N	23.2273E		
Kautokeino	KTK6	Norway	69.0100N	23.2360E	340	
Kautokeino	KTK3	Norway	69.0067N	23.2352E		From 1989-01-01 to 2003-04-05
Kautokeino	KTK2	Norway	69.0075N	23.2374E		From 1989-01-01 to 2003-04-05
Kavak	KVT	Turkey	41.0806N	36.0464E	650	From 1976-08-01
Kavala	KAVA	Greece	40.9967N	24.5137E	157	From 2008-05-16
Kavala	KVLA	Greece	40.9370N	24.3859E	122	From 2010-08-25
Kavala, KAV	KAVS	Greece	41.0063N	24.4171E	418	
Kavieng	KAVG	New Ireland,Papua New Guinea	2.5816S	150.8066E	20	From 2013-06-03
Kavieng	KAV	New Ireland,Papua New Guinea	2.5733S	150.8170E	4	From 1971-08-25 to 1974-05-31
Kavieng	KVG	New Ireland,Papua New Guinea	2.5878S	150.8120E	10	From 1974-05-01 to 2013-06-01
Kavik River	D25K	Alaska,U.S.A.	69.3220N	146.3751W	770	From 2016-06-22
Kavouri	KVR	Greece	37.8278N	23.7695E	60	
Kawah Idjen	KIJ	Jawa,Indonesia	8.0667S	114.2330E		
Kawai	KWJ	Shiga,Japan	35.5154N	136.2494E	170	
Kawak Butte, Newberry	KWBU	Oregon,U.S.A.	43.7524N	121.3119W	1783	From 2012-01-01
Kawasaki	HRM	Kanagawa,Japan	35.5506N	139.6792E	-536	
Kawatabi	KWT	Miyagi,Japan	38.7533N	140.7600E	260	
Kawauchi	JFK	Fukushima,Japan	37.3665N	140.8745E	520	
Kawazu	KWZ	Shizuoka,Japan	34.7625N	138.9900E	65	
Kaweka Forest	KWHZ	North Island,New Zealand	39.4240S	176.4228E	799	From 2010-06-02
Kaweka Forest Headquarters	KFHS	North Island,New Zealand	39.4334S	176.4670E	425	From 2002-04-25
Kawerau Fire Station	KAFS	North Island,New Zealand	38.0835S	176.7093E	39	From 2001-12-06
Kawich Peak	KP-NV	Nevada,U.S.A.	37.8975N	116.4592W	2134	
Kawich Range	KRNA	Nevada,U.S.A.	37.7417N	116.3803W	1980	From 1980-04-23 to 2002-10-10
Kayabasi	BDRM	Turkey	37.0653N	27.4442E	368	From 2003-05-26
Kayabe	JKB	O shima,Japan	41.8877N	141.0325E	10	
Kayacik-Havza(Samsun)	KAYA	Turkey	40.9468N	35.7490E	890	From 2013-12-05
Kayak Island	KAIM	Alaska,U.S.A.	59.9268N	144.4188W	316	From 2011-07-10
Kayak Island	KYK	Alaska,U.S.A.	59.8683N	144.5230W	375	From 1974-10-02 to 1999-08-25
Kaye Shedlock's, Cheyenne Wells	KSCO	Colorado,U.S.A.	39.0112N	102.6273W	1382	From 2008-10-28
Kayrak	KYR	Turkey	36.3517N	33.5253E	1210	From 1988-01-01
Kayseri	GUNE	Turkey	38.9025N	35.6250E	1235	From 2013-01-31
KAYSERI_Yahyali	YAHY	Turkey	38.0947N	35.3630E	1230	From 2011-05-31
Kazeron-Fars-Iran	KAZ2	Iran	29.6128N	51.6620E	884	From 2018-02-27
Kazeroun	IKAZ	Iran	29.7796N	51.8400E	2805	From 2002-10-01
Kazerun	KAZ1	Iran	29.6252N	51.6395E	850	From 2014-07-08
Kaziranga	KZI	Assam,India	26.5767N	93.4083E	130	From 1983-02-01
Kazreti	KZR	Georgia,Georgia	41.3815N	44.4153E	740	From 2003-01-01
Kazreti	KZRT	Georgia,Georgia	41.3866N	44.3987E	723	From 2012-08-24
Kealakekua	KLK	Hawaii,U.S.A.	19.5220N	155.9200W	505	From 1964-01-28 to 1974-01-31
Kealakomo	KEA	Hawaii,U.S.A.	19.3083N	155.1600W	201	
Keanakako'i	KKO	Hawaii,U.S.A.	19.3978N	155.2660W	1146	
Keanakolu	KKU	Hawaii,U.S.A.	19.8898N	155.3430W	1863	
Kearney REC, California	KARE	California	36.5975N	119.5038W	104	From 2018-09-01
Keban	KEB	Turkey	38.7978N	38.7278E	739	From 1974-05-28
Keben-Mersin	KEBE	Turkey	36.4470N	33.7132E	769	From 2011-07-01
Kecel	PKS2	Hungary	46.4920N	19.2131E	106	
Kechabta	KCHT	Tunisia	37.1100N	9.9400E	565	
Kecovo	KECS	Slovakia	48.4832N	20.4856E	345	From 2003-12-15
Kecskemet	KEC	Hungary	46.9122N	19.6983E	122	
Kedem Haarava	KARV	Israel	31.8063N	35.4997E	-309	From 2018-11-29
Kedmat Zvi	KDZV	Israel	33.0294N	35.6948E	476	From 2018-07-26
Kedomdong	KEDI	Lombok,Indonesia	8.4870S	116.1130E	560	From 1991-01-01
Kedougou	KED*	Senegal	12.5687N	12.2112W		From 1976-08-01
Kedougou	KDG	Senegal	12.9258N	12.3214W		
Kedougou	KDS	Senegal	12.5687N	12.2112W	110	From 1976-05-01
Kedougou	KED	Senegal	12.9258N	12.3214W		From 1974-08-01 to 1976-08-01
Kedrikon, N034	N034M	Greece	41.1669N	22.9005E	446	
Keefer Ranch, Vananda	E21A	Montana,U.S.A.	46.5408N	107.0757W	834	From 2008-08-10 to 2010-08-05
Keeler	KEEL	Oregon,U.S.A.	45.5502N	122.8951W	67	
Keelung Port	KLUP	Taiwan region	25.1330N	121.7410E	0	From 2001-04-10
Keen Camp Maintenance Station	KEE	California,U.S.A.	33.6383N	116.6530W	1366	From 1975-02-01
Keen Mountain	KMV	Virginia,U.S.A.	37.2083N	82.0258W	500	From 1969-01-01 to 1969-12-31
Keepit Bedrock	KPTM	New South Wales,Australia	30.8851S	150.4819E	295	
Keepit Dam	KPAM	New South Wales,Australia	30.8791S	150.4902E	264	
Keeseville	KSVO	New York,U.S.A.	44.5424N	73.6861W	388	
Keetly	KLJ	Utah,U.S.A.	40.6308N	111.4050W	1992	From 1992-10-30
Kefalonia,Diatiritea,Greece	KFL4	Greece	38.1637N	20.4977E	16	From 2017-01-20
Kefalonia,Entrance TEI,Greece	KFL1	Greece	38.1667N	20.4973E	9	From 2017-01-18
Kefalonia,Trifylli,Greece	KFL5	Greece	38.1640N	20.4999E	6	From 2017-01-21
Kefalos,Kos,Greece	KOSD	Greece	36.7027N	26.9470E	243	From 2021-04-16
Kefar Hamakabi	KMKB	Israel	32.7899N	35.1138E	52	From 2018-03-08
Kefar Nahum	KNHM	Israel	32.8837N	35.5792E	174	From 2018-06-03
Kefar Rupin	KRPN	Israel	32.4584N	35.5548E	-60	From 2018-02-08
Kefar Szold	KSDI	Israel	33.1920N	35.6590E	123	
Kef Ayad	AKAY	Algeria	36.3063N	4.9353E	1485	
Kef el Ahmar	CKHR	Algeria	36.0167N	5.5122E	1280	
Keffi	NGSA2	Nigeria	8.8411N	7.9046E	303	From 2020-07-01
Kef-Lekhel	CKFL	Algeria	36.4000N	6.7200E	1229	From 2004-12-01
Keg River	KV-AT	Alberta,Canada	56.8303N	117.3239W	305	From 1965-10-12 to 1965-11-15
Keg River	KV-	Alberta,Canada	56.8303N	117.3239W	305	From 1965-10-12 to 1965-11-15
Kehl	A123A	Germany	48.6115N	7.8910E	136	From 2016-02-26
Kehvi	KEH	Georgia,Georgia	42.3082N	43.9339E	1031	From 2007-12-29
Keihoku	KHK	Kyoto,Japan	35.1774N	135.6623E	260	
Keihoku	JWK2	Soya,Japan	45.3162N	141.8975E	60	
Kei Kecil, Maluku	KKMI	Indonesia	5.6923S	132.7180E	72	From 2019-01-01
Keimoes	KEIM	Cape Province,South Africa	28.7040S	20.9680E	760	From 2010-12-22
Keiteng, Limpopo	KEIT	South Africa	23.3993S	28.8743E	1098	From 2017-07-14
Keizer	R55E0	Oregon,U.S.A.	45.0019N	123.0162W	45	From 2017-01-28
Kejulik	KJL	Alaska,U.S.A.	58.0540N	155.5732W	792	From 1996-08-01
Kekaha	KEKH	Hawaii,U.S.A.	21.9829N	159.7110W	54	From 2007-07-18
Kekajrvi, Ylivieska	OBF6	Finland	64.1389N	24.5666E	70	From 2013-03-20
Kekerengu Valley Road	KEKS	South Island,New Zealand	41.9557S	173.9814E	339	From 2013-04-04
Keklikteppe	KEKT	Turkey	40.4853N	29.2422E	950	From 1994-01-01
Kelakatan	KELI	Bali,Indonesia	8.2167S	114.4910E	591	
Kelara	KJCM	Indonesia	5.5664S	119.8025E	261	From 2020-12-31
Kelardasht - Mazandaran	KLST	Iran	36.5179N	51.0590E	2650	From 2016-10-09
Kelbejer	KBJ	Azerbaijan	40.1500N	46.0900E	1350	From 1984-01-01 to 1993-01-01
Kelkit	KELT	Turkey	40.1486N	39.2556E	1912	From 2003-11-06
Kell Court Alamo	C026	California,U.S.A.	37.8705N	122.0513W	89	From 2009-09-21
Kellenhusen	KHUS	Schleswig-Holstein	54.1962N	11.0546E	0	From 2018-08-24
Kellerberrin	KLBR	Western Australia,Australia	31.5915S	117.7546E	320	From 1999-10-13
Kellerberrin	KLB	Western Australia,Australia	31.5923S	117.7600E	300	From 1981-09-23 to 2006-05-29
Kelleys Island	KIOH	Ohio	41.6042N	82.6970W	194	From 2021-07-30 to 2500-12-31
Kellogg	KGI	Idaho,U.S.A.	47.4883N	116.0820W	1400	From 1970-01-01 to 1975-01-31
Kelly Canyon	KCI	Idaho,U.S.A.	43.6688N	111.6640W	1902	
Kelly Hill Caves	KELC	South Australia,Australia	35.9791S	136.9079E	30	
Kelly School	KSWY	Wyoming,U.S.A.	43.6226N	110.6280W	2031	
Kelsey	KELB	British Columbia,Canada	48.6611N	123.5701W	53	
Kelsey Bay	KBB	British Columbia,Canada	50.3847N	126.0280W	1310	From 1986-08-23
Kelsey New	KLNB	British Columbia,Canada	48.6611N	123.5706W	53	
Keltepe	KLT	Turkey	40.6435N	30.1006E	1601	From 1978-09-01 to 1980-12-31
Kelud	KEL	Jawa,Indonesia	8.1000S	112.9000E		
Kemaliye	KEMA	Turkey	39.2688N	38.4932E	1026	From 2006-10-19
Kemer-ANTALYA	KEMT	Turkey	36.6037N	30.5559E	0	From 2012-10-10
Kemer-Bodrum	RFTB	Turkey	36.9640N	27.2713E	14	From 2017-07-27

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kemerovo	KEM	Kemerovskaya Oblast',Russia	55.3429N	86.0886E	122	From 2005-05-19
Kempfer Cattle CO., St. Cloud	859A	Florida,U.S.A.	28.0592N	80.8984W	13	From 2012-02-15
Kenai	KEN	Alaska,U.S.A.	60.6167N	151.1533W	10	From 1964-04-04 to 1964-06-26
Kencho	TASH	Bhutan	27.7492N	89.7309E	1614	
Kendall Valley, Cora	J18A	Wyoming,U.S.A.	43.2112N	110.0200W	2357	From 2007-11-05 to 2009-05-17
Kendari	KDI	Sulawesi,Indonesia	3.9574S	122.6192E	55	From 2005-01-01
Kendawangan, Kalimantan Barat	KKKI	Indonesia	2.5137S	110.1951E	39	From 2019-01-01
Kendrikon	KNT	Greece	41.1619N	22.8981E	380	From 1981-01-01
Kenedy	EF68	Texas	28.7685N	97.9839W	141	From 2018-12-18
Kenedy	735A	Texas,U.S.A.	28.8553N	97.8081W	90	From 2009-12-18 to 2011-11-13
Kennady Lake	KNDN	Northwest Territories,Canada	63.4193N	109.2013W	421	
Kennard Place, Willow Creek	F16A	Montana,U.S.A.	45.7843N	111.6262W	1350	From 2007-10-18 to 2009-07-11
Kennedy	BKA	Alabama,U.S.A.	33.6339N	87.9690W	122	
Kennewick	KE-WA	Washington,U.S.A.	46.1400N	119.2775W	396	
Kennewick	KE-	Washington,U.S.A.	46.1400N	119.2775W	396	
Ken-Suu	KNSU	Kyrgyzstan	42.3366N	79.2380E	2857	From 2022-09-15
Kent Elementary ANSS-SMO	KNEL	Washington,U.S.A.	47.3805N	122.2519W	14	From 2004-08-01
Kentfield	KFC	California,U.S.A.	37.9550N	122.5530W	6	
Kent House, Port of Spain	PSKH	Trinidad and Tobago	10.6796N	61.5235W	38	From 2018-06-29
Kentland	N45A	Indiana,U.S.A.	40.8479N	87.5118W	206	From 2011-10-12
Kenton	WCMM	Tennessee	36.2678N	89.0797W	85	From 1989-12-14 to 1990-11-16
Kenton	RIGT	Tennessee	36.2503N	89.0163W	82	From 1991-10-10 to 1992-02-27
Kenton	E41A	Michigan,U.S.A.	46.4643N	88.9636W	377	From 2011-09-10 to 2013-06-08
Kent School, Kent	KSCT	Connecticut,U.S.A.	41.7261N	73.4842W	114	
Kent State University	KSUO	Ohio,U.S.A.	41.1509N	81.3504W	370	
Kenya Marble PS	KEN1	Kenya	1.9412S	36.6927E	1692	From 2013-07-10 to 2014-12-02
Keonjhar	KNJR	Orissa	21.6970N	85.6398E	469	From 2017-04-24
Kephalas, Greece	GR31	Greece	37.0331N	22.5212E	379	From 2022-10-05
Kepong	FRIM	Peninsular Malaysia,Malaysia	3.2370N	101.6250E	98	From 1996-01-01
KEPV Thivas, Viotia	THIV	Greece	38.2988N	23.3340E	320	From 2021-08-03
Keramoti	KERA	Crete,Greece	35.3692N	23.5577E	240	
Keravat	KET	New Britain,Papua New Guinea	4.3331S	152.0360E	17	From 1969-03-26 to 1970-12-31
Keravat	KRT	New Britain,Papua New Guinea	4.3529S	152.0520E	20	From 1966-11-18 to 1969-04-07
Keravat	I40PG	Papua New Guinea	4.2990S	152.0117E	84	From 2014-04-10
Keravat (AS076)	KRVT	New Britain,Papua New Guinea	4.3068S	152.0260E	105	From 2013-03-17
Kerch	KERU	Crimea	45.3100N	36.4600E	50	From 1997-05-01
Kerema	KRG	Papua New Guinea	7.9597S	145.7690E	14	
Keren	KERI	Israel	30.9900N	34.4900E	360	
Kereru	KRHZ	New Zealand	39.6431S	176.3701E	530	From 2008-04-28
Kerevinumbu	VSULE	Vanuatu	15.5155S	166.7279E	117	
KERGUELEN INFRASONIC ARRAY REFERENCE POINT	I23RF	Kerguelen Islands,France	49.3458S	70.2416E	84	From 2007-12-10
kERI	KRI1	Greece	37.6621N	20.8172E	178	From 2012-11-01
Kerinci	KRJI	Sumatera,Indonesia	2.0912S	101.4619E	811	From 2005-01-01
kERKIRA	KRK1	Greece	39.6179N	19.9163E	16	From 2010-10-01
Kerkira	KEK	Greece	39.7130N	19.7987E	280	From 1989-03-01
Kerman	KRBA	Iran	29.9797N	56.7523E		
Kerman	KRBR	Iran	29.9822N	56.7605E	2576	From 2004-06-01
Kerman Province	KRM1	Iran	30.5029N	57.2714E	1996	
Kermanshah	KER	Iran	34.3850N	47.1319E	1330	
Kermit	KT4	New Mexico,U.S.A.	31.9100N	103.3152W	948	From 1976-01-17 to 1999-08-25
Kermit	KIT	Texas,U.S.A.	31.5436N	102.8820W	795	
Kermit	KTT	Texas,U.S.A.	31.5436N	102.8820W	795	From 1975-11-10
Kermit	KTX	Texas,U.S.A.	31.5305N	103.2897W	847	From 1976-01-16 to 1999-08-25
Kermit	KT1	New Mexico,U.S.A.	32.0683N	103.3290W	930	From 1975-11-08 to 1999-08-25
Kermit	KT2	New Mexico,U.S.A.	32.0894N	103.1020W	927	From 1976-01-20 to 1976-12-15
Kermit	KT3	New Mexico,U.S.A.	31.6227N	103.2888W	855	
Kermit	KTE	Texas,U.S.A.	31.5278N	103.0970W	799	From 1976-01-15 to 1976-10-14
Kermit	KKT	Texas,U.S.A.	31.6227N	103.2890W		
Kermit	KM9	Texas,U.S.A.	31.7482N	102.8563W	888	From 1976-10-14 to 1999-08-25
Kermit	KM6	Texas,U.S.A.	31.9825N	102.8632W	1030	From 1976-10-16 to 1999-08-25
Kermit	KM3	Texas,U.S.A.	31.6777N	103.2092W		
Kermit	KM5	Texas,U.S.A.	31.8317N	103.0317W	874	From 1976-10-15 to 1999-08-25
Kermit	KM2	Texas,U.S.A.	32.0925N	103.0718W	932	
Kermit	KT7	New Mexico,U.S.A.	31.7092N	103.3060W	847	From 1975-11-13 to 1999-08-25
Kermit	KT5	New Mexico,U.S.A.	32.0680N	103.3260W		From 1976-03-24 to 1976-10-15
Kermit	KT8	New Mexico,U.S.A.	31.7067N	103.0972W	840	From 1976-01-16 to 1999-08-25
Kermit	KT9	New Mexico,U.S.A.	31.7178N	102.8810W	869	From 1976-01-17 to 1976-10-14
Kermit	KME	Texas,U.S.A.	31.5782N	103.1200W	816	From 1976-10-14 to 1999-08-25
Kermit	KIE	Texas,U.S.A.	31.6068N	103.1957W	828	
KERN	KERN	Israel	30.9940N	34.4870E	363	From 1985-12-01 to 2000-04-30
Kerns, Kirchgemeinde, OW	SKEK	Switzerland	46.9022N	8.2775E	568	From 2019-02-24
Kern-Tulare	WKTM	California,U.S.A.	35.7940N	118.4420W	890	
Kerr Lake	PKLM	California,U.S.A.	35.7730N	120.3399W	422	
Kerrville	533A	Texas,U.S.A.	30.0718N	99.0351W	556	From 2009-11-07 to 2011-10-05
Kertek, Jawa Tengah	KWJI	Indonesia	7.3837S	109.9691E	945	From 2019-10-01
Kean, Edirne	GOKT	Turkey	40.6617N	26.6266E	176	From 2019-12-07
Kesennumamotoyoshi	JKMT	Miyagi,Japan	38.8108N	141.4738E	67	From 2012-11-01
Keshet	KSHT	Israel	32.9820N	35.8110E	719	From 1991-05-01
Keskin Array Beam Reference Point	BRTR	Turkey	39.7250N	33.6390E	1440	
Keskin Array Site 101	BR101	Turkey	39.7254N	33.6391E	1437	
Keskin Array Site 102	BR102	Turkey	39.7355N	33.6486E	1525	
Keskin Array Site 103	BR103	Turkey	39.7196N	33.6570E	1488	
Keskin Array Site 104	BR104	Turkey	39.7074N	33.6414E	1346	
Keskin Array Site 105	BR105	Turkey	39.7180N	33.6173E	1431	
Keskin Array Site 106	BR106	Turkey	39.7338N	33.6180E	1372	
Keskin Array Site 131	BR131	Turkey	39.7253N	33.6390E	1414	
Keskin MP Array Beam Reference Point	BRMAR	Turkey	39.8417N	32.7760E	1257	
Keskin MP Array Site 231	BR231	Turkey	39.8417N	32.7760E	1196	
Keskin MP Array Site 232	BR232	Turkey	39.9285N	32.9820E	1071	
Keskin MP Array Site 233	BR233	Turkey	39.7935N	32.9813E	1	
Keskin MP Array Site 234	BR234	Turkey	39.6519N	32.8001E	1002	
Keskin MP Array Site 235	BR235	Turkey	39.7413N	32.5916E	1217	
Keskin MP Array Site 236	BR236	Turkey	39.8795N	32.5511E	1035	
Keskin MP Array Site 237	BR237	Turkey	40.0187N	32.7304E	1045	
Kesra	KEST	Tunisia	35.7318N	9.3460E	885	
KESRA INFRASONIC ARRAY REFERENCE POINT	I48TN	Tunisia	35.8052N	9.3230E	848	From 2006-06-02
Kestanelik-atalca	CTKS	Turkey	41.2364N	28.5066E	47	From 2007-09-28
Kestrany	A077A	Czech Republic	49.2705N	14.0739E	370	From 2015-11-03
Keswick	CKE	England,United Kingdom	54.5877N	3.1059W	304	
Keswick, Cumbria	KESW	England,United Kingdom	54.5886N	3.1048W	282	From 2008-09-04
Ketchikan	KCN	Alaska,U.S.A.	55.3343N	131.6325W	20	
Ketchikan	V35K	Alaska,U.S.A.	55.3279N	131.6150W	64	From 2016-08-18
Ketetahi	KETZ	North Island,New Zealand	39.0987S	175.6519E	1208	From 1985-05-01 to 1992-01-22
Keti	KETS	Armenia	40.8783N	43.8500E	1750	
Ketmen	KTMS	Kazakhstan	43.4460N	80.3520E	1509	From 2000-08-18
Kettenpom Peak	KKPM	California,U.S.A.	40.1458N	123.3350W	1244	
Kettle Butte	KBI	Idaho,U.S.A.	43.5907N	112.3770W	1698	From 1992-01-01
Kettleman Hills	KETL	California	36.0575N	120.1493W	375	From 2023-09-28
Kettleman Hills	PKEM	California,U.S.A.	36.0615N	120.1090W	288	
Ketumbeine	KETU	Tanzania,United Republic of Tanzania	2.8245S	36.2997E	1253	
Keumsan	KSKMS	Republic of Korea	36.1016N	127.4837E	171	From 2000-12-23
Keung Shan	HKLI	Hong Kong,China	22.2417N	113.8787E	100	From 1997-04-23
Keuruu	KEF	Finland	62.1672N	24.8703E	215	From 1977-08-31
Kevo	KEV1	Finland	69.7558N	27.0125E	97	
Kevo	KEV	Finland	69.7553N	27.0067E	80	From 1967-06-01
Kew	KEW	England,United Kingdom	51.4683N	0.3131W	5	
Kewanee	KEWM	Missouri,U.S.A.	36.6981N	89.5926W	85	
Key Point	KYP	California,U.S.A.	34.1018N	118.8795W	700	
Keysborough Secondary College	AUKSC	Victoria,Australia	37.9700S	145.1600E	50	From 2013-05-09
Keystone College	KSPA	Pennsylvania,U.S.A.	41.5570N	75.7681W	297	
Keyworth	KEY2	England,United Kingdom	52.8790N	1.0770W	76	
Keyworth	KEY1	England,United Kingdom	52.8779N	1.0757W	59	
Kfar Habou, BARB	BARBL	Lebanon	34.4090N	35.9500E	1740	
Kfar Ka'horesh	HRSH	Israel	32.7000N	35.2800E	416	
Kfar Ruppin	KRPI	Israel	32.4500N	35.5700E	0	From 1988-04-26 to 1989-05-31
KGF	KGF	Karnataka,India	12.9483N	78.2541E	876	From 1999-01-01
Kgwebe Hills	KBH1	Botswana	20.7020S	23.0510E	1042	From 2001-01-01 to 2100-12-31
Khabarovsk	KHBR	Khabarovskiy Kray,Russia	48.4740N	135.0560E	81	From 2006-05-17
Khabarovsk	HABR	Khabarovskiy Kray,Russia	48.4730N	135.0510E	81	From 2005-04-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Khabaz	KBZ	Stavropol'skiy Kray,Russia	43.7286N	42.8975E		
Khachik	KCHK	Armenia	39.6273N	45.1995E	1811	From 2021-11-01
Khaf	KHAF	Iran	34.5667N	60.1226E	1008	From 2013-03-21
Khafji	KFJS2	Saudi Arabia	28.3481N	48.3957E	100	
Khafji	KFJS	Saudi Arabia,Saudi Arabia	28.1866N	47.9416E	161	
Khafra	HKFR	Egypt	22.5891N	31.3047E	340	
Khaishi	KHS	Georgia,Georgia	42.9427N	42.1893E	644	From 1967-01-01
Khait	KHAT	Tajikistan	39.1700N	70.8800E	1800	
Khalili_Fars	KHL1	Iran	27.6380N	53.3007E	468	From 2019-12-01
khalkal	ADB	Iran	37.3700N	48.2000E	1576	
Khamasin	KMSA	Saudi Arabia	20.3710N	44.4950E	715	From 1988-11-01
Khamis Mushayt	KMTA	Saudi Arabia	18.1660N	42.8650E	2000	
Khamis Mushayt	KMTU	Saudi Arabia	18.1660N	42.8650E	2000	From 1990-06-13
Khanabri	KHS1	Pakistan	35.6630N	73.9450E	1818	From 2007-09-01
Khanabri-I	KHB1	Pakistan	35.5740N	73.8520E	1222	From 2007-09-01
Khancoban	KHA	New South Wales,Australia	36.2136S	148.1290E	435	From 1968-09-06
Khandyga	KHG	Sakha,Russia	62.6500N	135.5500E	105	
Khani	KHNS	Amurskaya Oblast',Russia	57.0400N	121.0100E	390	From 1967-01-01 to 2005-01-01
Khani	KHNR	Sakha,Russia	56.9210N	119.9790E	690	From 2005-12-11
Khani	KHN	Sakha,Russia	56.9211N	119.7892E	690	From 2005-12-01
Khanty-Mansiysk	HMA	Khanty-Mansi Autonomous Okrug,Russia	61.0333N	69.1167E	91	
Khaolaem Dam	KHLT	Thailand	14.7970N	98.5893E	164	
Khao Laem Dam	KHT	Thailand	14.7848N	98.5925E	173	From 1982-10-01
Khapcheranga	KPC	Buryatiya,Russia	49.7039N	112.3789E	953	
Kharagauli	KHRG	Georgia	42.0159N	43.1415E	659	From 2021-09-24
Kharagpur	ITKG	West Bengal,India	22.3191N	87.3707E	40	From 2012-01-01
Kharino, NSO, Russia	KHAR	Novosibirskaya Oblast',Russia	54.6132N	83.5897E	130	From 2011-10-09
Kharkheh	IKAR	Iran	32.4833N	48.1543E	0	From 1998-01-01
Khark Island	KHRK	Iran	29.2543N	50.3133E	10	From 2021-02-10
Kharkiv	KHAM	Ukraine	49.9990N	36.2481E	640	
Kharsali	KSLI	Himachal Pradesh,India	30.9745N	78.4395E	2555	From 2007-05-01
Khatum	KTMO	Oman	23.4841N	57.6854E	85	From 1998-07-13
Khatystyr	KHY	Amurskaya Oblast',Russia	55.7000N	121.5000E	470	
Khaudum	XAUDM	Botswana	18.5395S	21.3382E	1060	
Khaybar	KBR05	Saudi Arabia	25.5730N	40.3070E	1212	
Khaybar	KBR10	Saudi Arabia	25.1260N	39.9350E	1114	
Khaybar	KBR09	Saudi Arabia	26.0344N	39.6655E	1066	
Khaybar	KBR08	Saudi Arabia	25.7196N	39.4773E	858	
Khaybar	KBR07	Saudi Arabia	25.2560N	39.4630E	911	
Khaybar	KBR04	Saudi Arabia	25.9800N	40.2790E	1173	
Khaybar	KBR03	Saudi Arabia	25.8220N	39.9500E	1723	
Khaybar	KBRS	Saudi Arabia	25.7886N	39.2644E	200	
Khaybar	KBR02	Saudi Arabia	25.2280N	40.2410E	1000	
Khaybar	KBR01	Saudi Arabia	25.4575N	39.7813E	1237	
Kheis	KHE	Arkhangel'skaya Oblast',Russia	80.6167N	58.0500E	21	
Khelvachauri	KHEL	Georgia,Georgia	41.5742N	41.6963E	32	From 2003-01-01
Khenifra	KHF	Morocco	32.9830N	5.7070W	1060	
Khetri	KHET	Rajasthan,India	28.0741N	75.8064E	376	From 2001-08-01
Khezeriat	SKHZ	Iran	30.9498N	48.5347E	6	From 2010-08-11
Khidirli, Azerbaijan	KHDR	Azerbaijan	39.8369N	49.3190E	-33	From 2020-11-08
Khinaliq	XNQ	Azerbaijan	41.1720N	48.1400E	1985	From 2010-11-10
Khiner	KHI1	Pakistan	35.4360N	74.1510E	1240	From 2007-09-01
Khingansk	KNGS	Yevreyskaya Avtonomnaya Oblast',Russia	49.1220N	131.1920E	520	From 1979-08-12 to 1984-04-30
Khios Island	XIO	Greece	38.2567N	26.0408E	210	From 1997-01-01
Khitrov Hills	KHIT	Alaska,U.S.A.	60.4432N	143.2490W	1101	
Khiva	KHV	Uzbekistan	41.3827N	60.3506E	101	
Khnkoyan	XYB	Armenia	40.8350N	44.0200E	1780	
Khodutka, Kamchatskaya Oblast',Russia	KDTR	Kamchatskaya Oblast',Russia	51.8090N	158.0770E	40	From 2011-09-09
Khodzhikent	KDK	Uzbekistan	41.6167N	69.9667E		
Kholmsk	KHLM	Sakhalinskaya Oblast',Russia	47.0550N	142.0520E	45	From 2008-10-10
Khomeyn	KHMZ	Iran	33.7390N	49.9590E	1985	From 2009-01-12
Khomkaen	KHON	Thailand	16.3378N	102.8230E	134	
Khong Chiam	UBPT	Thailand	15.2800N	105.4700E	120	From 2008-01-01
Khon Kaen	KKTK	Thailand	16.3370N	102.8230E	140	From 2001-01-01
Khonsa	KOI	Arunachal Pradesh,India	26.9833N	95.5000E	785	From 1979-01-01
Khor El Raml	AKRL	Egypt	23.6634N	32.7211E	205	
Khorog	KHO	Tajikistan	37.4833N	71.5333E	2199	
Khorongon	KHR	Tajikistan	38.6667N	68.7833E		
Khor Sakr	AKSR	Egypt	23.6372N	33.0208E		
Khovd city	HBDM	Mongolia	47.8006N	91.6023E	1990	From 2020-12-20
Khovsgol, Khatgal village	HTGB	Mongolia	50.4435N	100.2393E	1768	From 2018-09-28
Khovu-Aksy	HVS	Krasnoyarskiy Kray,Russia	51.1358N	93.7022E	1075	From 2007-04-25
Khreiti	KHRT	Georgia	42.3517N	43.2190E	1150	From 2021-08-11
Khrisi	XRY	Crete,Greece	34.8748N	25.6943E	21	
Khuff	NUMJS	Saudi Arabia	25.6307N	37.2745E	175	
Khujand	KHUD	Tajikistan	40.3186N	69.6841E	1129	From 1983-04-06
Khulais	KHLS	Saudi Arabia	22.0497N	39.2971E	158	
Khulais	KHLS2	Saudi Arabia	22.2622N	39.5181E	216	
Khumson	KHUM	Tajikistan	41.6800N	69.9500E	850	
KHUNTI	KNTI	India	23.0580N	85.2850E	644	
Khunzah	HNZR	Dagestan	42.5582N	46.7167E	1675	From 2016-10-06
Khunzakh	XNZR	Dagestan,Russia	42.5417N	46.7050E	1640	
Khurais	KURES	Saudi Arabia	25.1153N	48.2635E	50	
Khuramsha	HRMR	Buryatiya,Russia	51.6280N	106.9550E	620	From 1997-04-01
Khuzdar	KHUZ	Pakistan	27.7800N	66.6000E	1244	From 2007-11-10
Khvani	KHVA	Georgia,Georgia	42.1902N	43.5236E	829	From 2007-10-03
KHWEE	KHWEE	Botswana	21.9463S	25.4468E	1083	
Kiagna River	KIAG	Alaska,U.S.A.	60.9236N	142.3587W	1773	
Kiajanaja	KJA	Guatemala	15.7398N	91.7827W	2280	From 1980-10-01 to 1999-08-25
Kiara Terrace	KIA	Pakistan	34.1133N	72.7133E	497	
Kiasar	IKIA	Iran	36.2070N	53.6837E	2167	From 2000-08-01
Kiato	KIAA	Greece	38.0139N	22.7496E	5	
Kiato	KIAS	Greece	37.9875N	22.7543E	0	From 2020-02-13
Kibati	KBTI	Democratic Republic of the Congo	1.5690S	29.2784E	1992	
Kibaya	KIBA	Tanzania,United Republic of Tanzania	5.3052S	36.5743E	1520	
Kibumba	KBBA	Democratic Republic of the Congo	1.5190S	29.3328E	2029	
Kibutz Ein-Gedi	KEGD	Israel	31.4521N	35.3844E	-8	From 2018-06-13
Kibwezi	KIBK	Kenya	2.3400S	38.0460E	775	From 1996-06-01
Kidapawan	KCP	Mindanao,Philippines	7.0090N	125.0900E	598	
KIDD Seismic Observatory, U. Texas El Paso	KIDD	Texas,U.S.A.	31.7718N	106.5064W	1162	From 2009-10-08
Kidegembe	KIDE	Tanzania	9.2745S	35.0214E	1760	From 2014-06-30 to 2015-11-04
Kidman Hollow	KDUT	Utah,U.S.A.	41.7213N	112.0290W	1829	From 1978-10-01
Kielkow	PL15A	Poland	50.2310N	21.4762E	170	From 2020-01-15
Kiev	KIEV	Ukraine	50.6944N	29.2083E	123	
Kifanya	KIFA	Tanzania	9.5472S	35.1026E	1742	From 2014-06-30 to 2015-11-04
Kiffisia	KIF1	Greece	38.0773N	23.8146E	307	From 2012-09-01
Kigali	KIG	Rwanda	1.9634S	30.0633E	1545	From 2008-10-09
Kigoma	KGMA	Tanzania,United Republic of Tanzania	4.8782S	29.6337E	820	
Kiinagashima	JKN	Mie,Japan	34.2483N	136.2633E	90	
Kiisa, Saku	EE02	Estonia	59.1906N	24.6968E	54	From 2015-05-12
Kijevo	KIJV	Croatia	44.0050N	16.4050E	413	From 2004-04-07
Kijyo	JKJ	Miyazaki,Japan	32.2483N	131.4150E	380	
Kikaishima	JZK	Ryukyu Islands,Japan	28.3145N	129.9720E	130	
Kika Raxquin	KIK	Guatemala	14.8130N	91.4105W	3200	From 1980-10-01
Kika Raxquin	SOKI	Guatemala	14.8206N	91.4034W	3209	From 2015-04-17
Kikiwa Line Depot	KLDS	South Island,New Zealand	41.6731S	172.8750E	494	From 2002-02-27
Kilae Creek	N18K	Alaska,U.S.A.	60.6801N	155.8897W	572	From 2015-06-13
Kilbarry, Macroom, Co. Cork, Ireland	IMAC	Ireland	51.8458N	9.0701W	92	From 2022-09-22
Kilembe	KIL	Uganda	0.2000N	30.0080E	1372	From 1991-07-01
Kilenge	KCM	New Britain,Papua New Guinea	5.4833S	148.3830E	15	From 1975-03-01 to 1980-09-05
Kilima Mbogo	KMBO	Kenya	1.1268S	37.2523E	1940	
Kilkis	KIL1	Greece	40.9979N	22.8818E	180	From 2008-09-30
Killari	KLRI	Andhra Pradesh,India	18.0693N	76.5977E	614	From 2009-09-10
Killbear Provincial Park	KLBO	Ontario,Canada	45.3566N	80.2132W	177	From 2009-05-19
Killdeer Plains Wildlife Area	KDOH	Ohio	40.7197N	83.3697W	276	From 2019-08-08 to 2500-12-31
Killik River	E21K	Alaska,U.S.A.	68.4414N	153.9721W	653	From 2017-08-17
Killisnoo	S32K	Alaska,U.S.A.	57.4688N	134.5763W	26	From 2016-09-09
Kilmashogue	DKM	Ireland	53.2553N	6.2644W	280	From 1976-11-01 to 2002-01-06
Kiloki Boma	PR61	Tanzania	2.9586S	35.2478E	1549	From 2013-01-20 to 2014-12-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kilpisjarvi	KIF	Finland	69.0044N	20.8018E	0	
Kilyos	KLYT	Turkey	41.2530N	29.0420E	30	From 2002-01-01
Kim	S26A	Colorado,U.S.A.	37.6216N	103.4711W	1394	From 2008-12-06 to 2010-11-07
Kimball Elementary School	KIMB	Washington,U.S.A.	47.5752N	122.3016W	100	
Kimball Pass	KMP	Alaska,U.S.A.	61.5143N	145.0300W	1103	From 1977-08-04
Kimbe	BULU	New Britain,Papua New Guinea	5.5345S	150.3159E	25	From 2013-02-24
Kimbe	KMBE	New Britain,Papua New Guinea	5.5590S	150.1530E	10	
Kimbe	KMB	New Britain,Papua New Guinea	5.4833S	150.1000E	23	From 1969-11-22 to 1999-08-25
Kimberley	KIM	Orange Free State,South Africa	28.7517S	24.7800E	1321	
Kinaliada	KNAL	Turkey	40.9035N	29.0458E	8	From 2012-05-18
Kincaid Ranch	HKRM	California,U.S.A.	36.9017N	121.4260W	66	From 1975-07-03
Kincaid Ranch, Fort Stockton	428A	Texas,U.S.A.	30.7263N	102.6847W	982	From 2008-03-10 to 2010-02-13
Kincumber High School	AUKHS	New South Wales,Australia	33.4600S	151.3800E	27	From 2013-05-22
Kindia	KING	Guinea	9.9638N	12.8685W	410	From 1991-07-01
King	U56A	North Carolina,U.S.A.	36.3472N	80.3829W	363	From 2013-04-24
King Abdullah Univ. of Science and Technology	KAUST	Saudi Arabia	22.3250N	39.1150E	15	
King County	TKCO	Washington,U.S.A.	47.5369N	122.3004W	0	
King Edward Point	KEP	South Georgia Islands	54.2800S	36.4800W		From 1972-03-01 to 1999-08-25
King George, VA	R59A	Virginia,U.S.A.	38.2000N	77.1164W	35	From 2013-04-18
Kingman	KG-AZ	Arizona,U.S.A.	35.6417N	113.9078W	1067	From 1963-04-19 to 1963-07-11
Kingman	KG-AS	Arizona,U.S.A.	35.6417N	113.9078W	1067	
Kingman	KG-	Arizona,U.S.A.	35.6417N	113.9078W	1067	From 1963-04-19 to 1963-07-11
King Ranch	KRC	California,U.S.A.	35.3267N	119.7450W	680	
King Salmon	Q16K	Alaska,U.S.A.	58.6774N	156.6556W	22	From 2016-06-09
Kingsbay	KBS	Svalbard,Norway	78.9256N	11.9417E	74	From 1994-11-05
Kingsbury	G63A	Maine,U.S.A.	45.1147N	69.6186W	363	From 2013-09-22
Kingscourt	DMU	Ireland	53.8989N	6.9106W	280	From 1976-11-01
Kingscourt	DMUB	Ireland	53.9000N	6.9086W	280	From 1994-04-11
Kings Mountain	KMOR	Oregon,U.S.A.	45.6355N	123.4900W	975	From 1982-09-01
Kings Mountain, Blacksburg	KMSC	South Carolina,U.S.A.	35.1420N	81.3333W	240	From 2008-10-13
Kings Tableland	KTLM	New South Wales,Australia	33.8621S	150.4042E	720	
Kingston	KIN	Jamaica	17.9737N	76.7851W	32	From 1937-01-01 to 1978-12-09
Kingston	KGNO	Ontario,Canada	44.2272N	76.4934W	89	
Kingsville	L50A	Ontario,Canada	42.0430N	82.8095W	187	From 2012-12-09
Kingsville	KVTX	Texas,U.S.A.	27.5459N	97.8929W	14	
Kinigos	PYL2	Greece	36.9046N	21.7244E	219	
Kinigos solar	PYL4	Greece	36.9108N	21.7266E	228	
Kınık, Dinar, Afyon	AFYN	Turkey	38.2714N	30.5027E	1233	From 2018-01-01
Kınık, Seydikemer, Mula	KNIK	Turkey	36.8454N	29.5730E	1188	From 2017-12-15
Kinkasan	KSN	Miyagi,Japan	38.2717N	141.5883E		
Kinmen	KNM	Taiwan region	24.4167N	118.4333E	13	
Kinomoto	KNJ	Wakayama,Japan	34.2623N	135.1250E	20	From 1965-06-02 to 1965-11-30
Kinomoto	KMT	Wakayama,Japan	34.2623N	135.1250E	20	From 1965-06-02 to 1965-11-30
Kintamani, Bali	KBBI	Indonesia	8.2860S	115.2547E	1053	From 2019-10-01
Kiomboi	KIOM	Tanzania,United Republic of Tanzania	3.5833S	34.4722E	1487	
Kipapa	KIP	Hawaii,U.S.A.	21.4233N	158.0140W	73	
Kipawa	MLQ1	Quebec,Canada	46.8036N	78.9873W	299	
Kipawa,Quebec	KIPQ	Quebec,Canada	46.7919N	79.0567W	274	From 2017-06-04
Kipengere	KIPE	Tanzania	9.2936S	34.4364E	2224	From 2013-08-08 to 2015-11-04
Kipouria, Kephalonia	KEF3	Greece	38.2031N	20.3482E	115	From 2014-01-28
Kipourio	KPRO	Greece	39.9549N	21.3632E	837	From 2011-03-30
Kipp Ranch, Antelope Well	320A	New Mexico,U.S.A.	31.3369N	108.5284W	1414	From 2008-02-16 to 2010-01-19
Kipseli, Zakinthos Is., Greece	KYPS	Greece	37.8188N	20.8234E	117	From 2018-10-27
Kipuka Nene	KNH	Hawaii,U.S.A.	19.3350N	155.2900W	924	From 1967-09-21
Kiractepe	KRCT	Turkey	41.0814N	32.8792E	1449	From 1993-07-01 to 1994-06-30
Kiratli	RFT8	Turkey	39.1620N	26.8647E	56	From 2017-06-19
Kiraz, zmir	KIRA	Turkey	38.1966N	28.4005E	1089	From 2017-12-17
Kirbyville	440A	Texas,U.S.A.	30.7456N	93.9587W	59	From 2010-05-22 to 2011-12-07
Kirchberg, Germany	LUET	Germany	50.6070N	12.5230E	410	
Kirchzarten	KIZ	Baden-Wurttemberg,Germany	47.9551N	7.9172E	446	From 1987-01-01
Kirikhan	KRH	Turkey	36.4922N	36.3466E	220	From 1979-12-01 to 1999-08-25
KIRIKKALE	DELI	Turkey	39.9979N	33.9204E	1169	From 2013-01-15
Kiri Road	TKEZ	North Island,New Zealand	39.3877S	174.0077E	330	From 1993-12-14 to 1996-04-01
Kirishev	KIRR	Kamchatskaya Oblast',Russia	55.9530N	160.3420E	1475	From 2006-08-01
Kirishima Volcano	KV01	Kagoshima,Japan	31.9447N	130.8478E	1215	
Kiritimati	XMAS	Kiribati	2.0448N	157.4453W	1	
Kırka- Seyitgazi ESKISEHIR	AUKIR	Turkey	39.2772N	30.5308E	1088	From 2010-06-20
Kirkby Lonsdale	LKL	England,United Kingdom	54.2185N	2.5345W	396	From 1989-01-01 to 1992-10-14
Kirkenes	KRK	Norway	69.7242N	30.0625E	25	
Kirkland Lake	KILO	Ontario,Canada	48.4970N	79.7233W	322	
Kirkland Lake	KLC	Ontario,Canada	48.1447N	80.0292W	310	
Kirkland Lake	KLO	Ontario,Canada	48.2060N	79.9950W	350	
Kırklareli	KIRK	Turkey	41.7817N	27.0972E	258	From 2013-02-09
Kirklareli, Merkez-Armagan	ARMN	Turkey	41.8639N	27.4289E	406	From 2014-11-28
Kirklareli, Vize-Akpinar	VIZE	Turkey	41.5785N	27.8400E	345	From 2014-11-28
Kirk Michael	IOMK	Isle of Man	54.2605N	4.5662W	188	From 2012-02-09
Kirksville	O39A	Missouri,U.S.A.	40.2544N	92.5438W	282	From 2010-12-08 to 2012-09-27
Kirkuk	KIR1	Iraq	35.3880N	44.3419E	290	From 2018-09-17
Kirkuk	IKRK	Iraq	35.4000N	44.3400E	331	From 2009-01-01
Kirkwood Meadows Resort, Kirkwood	R05C	California,U.S.A.	38.7028N	120.0755W	2366	From 2005-08-05 to 2007-10-05
Kirov	KIRV	Kirovskaya Oblast',Russia	58.5850N	49.4158E	0	
Kirovokan	KIRO	Armenia	40.7867N	44.4917E	1400	
Kirovskiy	KROS	Amurskaya Oblast',Russia	54.4330N	126.9710E	455	
Kırehir	MCUR	Turkey	39.1616N	34.5283E	1195	From 2017-03-13
Kirsehir/Akpinar	AKPI	Turkey	39.5039N	33.9967E	1066	From 2016-12-12
Kirsehir-Merkez	KIRS	Turkey	39.1329N	33.9168E	981	From 2013-03-02
Kiruna	KIR	Sweden	67.8400N	20.4167E	390	
Kirwee	CTND	South Island	43.4763S	172.2185E	170	
Kiryat Shemona	KIRY	Israel	33.2075N	35.5684E	95	From 2018-02-20
Kis^{9}jsz¡ll¡s	HU12A	Hungary	47.1828N	20.8268E	89	From 2022-12-01
Kiser Lake Ohio	KLSO	Ohio	40.1960N	83.9710W	349	From 2016-03-30
Kiser Lake State Park	KLOH	Ohio	40.1952N	83.9659W	349	From 2019-07-10
Kishima-dake	KISK	Kumamoto,Japan	32.8926N	131.0669E	1105	
Kishinev	KIS	Moldova	46.9980N	28.8180E	185	
Kishinomiya	KISE	Wakayama,Japan	34.2220N	135.3000E	75	
Kishor	GIF6	Israel	32.9430N	35.2610E	200	From 1993-05-01 to 1993-05-31
Kishtwar	KSHWR	Jammu and Kashmir	33.3118N	75.7773E	1780	
Kislovodsk	KIV	Stavropol'skiy Kray,Russia	43.9553N	42.6863E	1054	
Kislovodsk Array Beam Reference Point	KVAR	Stavropol'skiy Kray,Russia	43.9557N	42.6952E	1196	
Kislovodsk Array Site 0	KIV0	Stavropol'skiy Kray,Russia	43.9557N	42.6952E	1196	
Kislovodsk Array Site 1	KIV1	Stavropol'skiy Kray,Russia	43.9570N	42.6946E	1196	
Kislovodsk Array Site 2	KIV2	Stavropol'skiy Kray,Russia	43.9554N	42.6970E	1196	
Kislovodsk Array Site 3	KIV3	Stavropol'skiy Kray,Russia	43.9547N	42.6939E	1196	
Kissamos	KIS1	Crete,Greece	35.4940N	23.6590E	15	From 2011-10-01
Kista	IKIS	Iceland	64.6741N	17.5617W	1567	From 2016-06-05
Kitab	KTAB	Uzbekistan	39.1335N	66.8846E	630	
Kitadaitoujima	JKDJ	Ryukyu Islands,Japan	25.9496N	131.2969E	41	From 2013-07-01
Kitadake	KITD	Kagoshima,Japan	31.5992N	130.6461E	450	
Kita-Gairin	NRMH	Iburi,Japan	42.5479N	140.8392E	484	
Kitakami	KGJ	Iwate,Japan	39.3883N	141.5650E	376	
Kitakata	JKIT	Miyazaki,Japan	32.6245N	131.4535E	180	From 1997-03-01
Kitarini PS	LN16	Tanzania	2.6207S	36.4648E	1717	From 2013-01-20 to 2014-12-04
Kitausu	KITH	Iburi,Japan	42.5239N	140.8104E	120	
Kite	155A	Georgia,U.S.A.	32.6219N	82.4665W	93	From 2012-03-21
Kithairon	VILLA	Greece	38.1842N	23.2470E	1384	
Kithairon Oros	MKIT	Greece	38.1842N	23.2599E	1406	
Kithira	KYTH	Greece	36.2652N	23.0468E	465	
Kitimat	KITB	British Columbia,Canada	54.0779N	128.6369W	12	From 2014-03-20
Kitsap County Moderate Risk Waste Facility	KIMR	Washington,U.S.A.	47.5031N	122.7672W	100	
Kitsap County North Road Shed	KINR	Washington,U.S.A.	47.7517N	122.6431W	100	
Kitsap County Wastewater Treatment Plant	KITP	Washington,U.S.A.	47.6750N	122.6297W	100	
Kitshanga	KTSH	Democratic Republic of the Congo	1.2384S	29.0499E	1717	From 2014-09-11 to 2022-07-01
Kitumbeine SS	PR11	Tanzania	2.8231S	36.2991E	1265	From 2013-01-21 to 2014-12-02
Kitwe	KTWE	Zambia	12.8140S	28.2090E	1227	
Kivorka	KRVK	Kyrgyzstan	42.6834N	71.4209E	840	From 2022-09-15
Kiwalik Mountain	G17K	Alaska,U.S.A.	65.5011N	160.6514W	338	From 2017-07-13
Kiwira	MZUN	Tanzania	9.1502S	33.5213E	1399	From 2013-08-14 to 2015-11-04
Kiyosumi	KIY	Chiba,Japan	35.1500N	140.1830E	290	
Kiyosumi	KYS	Chiba,Japan	35.1977N	140.1480E	180	From 1966-04-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kiyzas, Kuzbass, Russia	KIYZ	Kemerovskaya Oblast',Russia	53.5582N	87.7592E	242	From 2014-12-26
Kizel	KIZR	Permskiy Kray,Russia	59.0497N	57.6555E	296	From 1999-01-01 to 2003-10-22
Kizilcahamam	KZCM	Turkey,Turkey	40.4319N	32.6704E	1209	
Kizilcal	KIZT	Turkey	38.8800N	31.8800E	1202	
Kizimen	KZV	Kamchatskaya Oblast',Russia	55.1130N	160.2940E	1509	From 2009-11-10
Kizyl-Arvat	KAT	Turkmenistan	39.0280N	56.2700E	200	
Klagenfurt	KFA	Austria	46.6483N	14.3278E	450	
Klakah, Jawa Timur	KLJI	Indonesia	7.9961S	113.2518E	218	From 2019-10-01
Klamath Falls	KFAL	Oregon,U.S.A.	42.2577N	121.7851W	1326	
Klamath Falls	KFO	Oregon,U.S.A.	42.2667N	121.7450W	1439	From 1962-01-01
Klamath Falls	L04A	Oregon,U.S.A.	42.1750N	121.8910W	1336	From 2006-05-24 to 2007-10-26
Klamath Falls	L04D	Oregon,U.S.A.	42.2180N	122.3046W	1437	From 2010-07-30
Klauda	KLAU	Czech Republic	49.0132N	14.5644E	560	From 2005-01-01
Klaushaff	KLAUS	Luxembourg	49.7050N	5.9823E	323	From 2009-12-01
Klaveano Farm, Fernwood	D11A	Idaho,U.S.A.	47.0477N	116.3353W	849	From 2006-11-11 to 2008-06-07
Klefe (Ho)	KLEF	Ghana	6.6142N	0.4407E	313	
Klein Altendorf	BA10	Nordrhein-Westfalen,Germany	50.6131N	6.9945E	186	From 2006-10-01
Kleinbodungen	KBDG	Thuringen,Germany	51.3334N	10.8669E	425	From 2008-06-18 to 2012-02-17
Kleinriedenthal	A006A	Austria	48.7404N	16.0203E	230	From 2015-03-25
Klekovaca	A050A	Bosnia and Herzegovina	44.4818N	16.5313E	934	
Klenia	S014	Greece	37.7830N	22.8680E	519	
Klepka	KLEP	Magadanskaya Oblast',Russia	59.7511N	151.4910E	78	From 2009-12-28 to 2010-03-02
Klet	A078A	Czech Republic	48.8640N	14.2845E	1060	From 2015-10-20
Klimatia, N007	N007M	Greece	39.7080N	20.6675E	543	
Klimontow	PL23A	Poland	50.2339N	20.3234E	244	From 2019-11-25
Klimovskoe	KLMR	Arkhangel'skaya Oblast',Russia	60.8539N	39.5186E	157	From 2003-11-25
Klindworth Farms, Hogeland	A19A	Montana,U.S.A.	48.9286N	108.7429W	971	From 2008-08-27 to 2010-07-20
Klinje	KLINJ	Bosnia and Herzegovina	43.1694N	18.5853E	1076	From 2016-04-14
Klokotos Trikala	THL	Thessaly,Greece	39.5647N	22.0145E	107	From 2006-09-22
Klondike	TMB05	Texas	32.6265N	101.8597W	882	From 2019-03-01
Klondike Camp	J29N	Yukon,Canada	64.4525N	138.2164W	982	From 2017-09-21
Klondike Camp	J29M	Yukon,Canada	64.4530N	138.2158W	982	From 2015-10-21 to 2017-09-21
Kloof	KLOF	South Africa	26.3498S	27.6100E	1631	From 2006-08-16
Klostergut Bonnrode	BONN	Thuringen	51.3068N	11.0024E	358	From 2016-06-01
Kloster Mnchenlohra	MUEN	Thuringen	51.4220N	10.6677E	286	From 2019-04-25
Kloster Scheyern	A364A	Germany	48.5019N	11.4534E	525	From 2015-12-01
Kloten, Waffenplatz, ZH	SKLW	Switzerland	47.4630N	8.5674E	428	From 2015-05-15
Kluane	KEY	Yukon Territory,Canada	61.0500N	138.5020W	785	From 1979-03-09 to 1981-07-25
Kluang	KGM	Peninsular Malaysia,Malaysia	2.0157N	103.3190E	103	
Kluet Utara, Aceh	KLSM	Indonesia	3.0863N	97.3298E	18	From 2019-01-01
Kluet Utara, Aceh	KUSI	Indonesia	3.1964N	97.3706E	29	From 2019-01-01
Klutina	KLU	Alaska,U.S.A.	61.4924N	145.9227W	1047	From 2008-09-13
Klyuchi	KLY	Kamchatskaya Oblast',Russia	56.3130N	160.6520E	100	
Kneeland, California	KNEE	California	40.7151N	123.9015W	889	From 2022-03-15
Knezji Dol	KNDS	Slovenia	45.5279N	14.3806E	1024	From 2004-01-01
KNGHS	KNGHS	Saudi Arabia	18.2930N	43.4962E	1848	
Knifeblade Ridge	C21K	Alaska,U.S.A.	69.1565N	154.7833W	409	From 2017-08-17
Knife Ck. Glacier	KCG	Alaska,U.S.A.	58.3076N	155.1114W	762	
Knight Island	KNIM	Alaska,U.S.A.	60.3487N	147.7360W	434	
Knik Glacier	KNK	Alaska,U.S.A.	61.4131N	148.4585W	598	From 2010-06-13
Knossos, Herakleion, Crete Is., Greece	KNSS	Crete	35.3042N	25.1802E	297	From 2020-11-04
Knox Farm, Ray	B25A	North Dakota,U.S.A.	48.2716N	103.1613W	705	From 2009-07-28 to 2011-07-24
Knox Ranch	KNO	California,U.S.A.	35.4833N	118.5280W	1090	From 1952-07-01 to 1952-11-10
Knoxville	HPKT	Tennessee,U.S.A.	35.9260N	83.8790W	305	From 1980-03-25 to 1991-04-01
Kobaya	KOBA	,Japan	31.9960N	130.9770E	543	
Kobayashi Ranch	KBY	California,U.S.A.	33.0402N	115.7010W	-51	From 1975-02-01 to 1976-05-31
Kobdi	AY1S	Sakha,Russia	64.2000N	145.5100E	800	From 1971-06-08 to 1971-12-31
Kobe	KBE	Hyogo,Japan	34.7345N	135.1778E	440	
Kobe	KOB	Hyogo,Japan	34.6883N	135.1800E	58	
Kobern-Gondorf	KOGO	Rheinland-Pfalz	50.3300N	7.4600E	299	From 2020-10-08
Kobo Des	KOBE	Ethiopia	12.1506N	39.6298E	1508	
Kobo Hara	QATE	Ethiopia	9.3753N	41.4691E	2148	
Kobuan	KOA	Bougainville,Papua New Guinea	6.2241S	155.6190E	65	From 1969-12-07 to 1972-11-30
Kobugahara	KBH	Tochigi,Japan	36.6550N	139.5286E	700	
Kocaeli-Kandira	KAND	Turkey	41.0943N	30.1922E	75	From 2010-11-25
Kochi	KOC	Kochi,Japan	33.5533N	133.5370E	-1	
Kochiharuno	JKHR	Kochi,Japan	33.5100N	133.4988E	26	From 2012-11-01
Kodaikanal	KOD	Tamil Nadu,India	10.2317N	77.4668E	2332	From 1910-01-01
Kodera	KDT	Japan	34.9183N	134.7127E	200	From 1970-10-01 to 1972-06-01
Kodiak	KD3	Alaska,U.S.A.	57.7483N	152.5150W		From 1964-05-14 to 1964-08-17
Kodiak	KD1	Alaska,U.S.A.	57.7467N	152.4920W		From 1964-04-21 to 1964-05-10
Kodiak	KD2	Alaska,U.S.A.	57.7583N	152.4930W		From 1964-04-10 to 1964-05-03
Kodiak Island	KDAK	Alaska,U.S.A.	57.7828N	152.5835W	152	From 1997-06-09
Kodiak Island	KDC	Alaska,U.S.A.	57.7478N	152.4920W	13	From 1964-04-02 to 2004-04-03
Kodinsk	KDN	Krasnoyarskiy Kray,Russia	58.5910N	99.1920E	296	From 2007-09-28
Koelnbreinsperre	KBA	Austria	47.0784N	13.3447E	1721	From 1981-11-01
Koeppel	KOE	Rheinland-Pfalz,Germany	50.4253N	7.7317E	540	
Koester Ranch, Padroni	N26A	Colorado,U.S.A.	40.8289N	103.2221W	1284	From 2008-12-08 to 2010-10-11
Koforidua	KOGH	Ghana	6.0842N	0.2431W	483	From 1987-01-01
Kofu	KFU	Yamanashi,Japan	35.7426N	138.5683E	590	
Kofu	KOF	Yamanashi,Japan	35.6650N	138.5567E	274	
Kog	KOGS	Slovenia	46.4481N	16.2503E	240	From 2004-03-01
Kogok River	KGR	Alaska,U.S.A.	63.1692N	162.0667W	320	
Kohala	KOH	Hawaii,U.S.A.	20.1282N	155.7800W	1166	
Kohestak	KHSK	Iran	26.7568N	57.0528E	40	From 2010-04-30
KOHEUNG	KOHB	Republic of Korea	34.6184N	127.2758E	68	From 2009-09-24
Koh Gabri	KHGB	Iran	30.3755N	56.4768E	2057	From 2010-05-05
Kohima	KHM	Nagaland,India	25.6631N	94.0761E	1630	From 1979-01-01
KOHIMA	KOHI	Nagaland,India	25.7203N	94.1081E	1353	From 2011-05-01
Kohlern	KOSI	Italy	46.4630N	11.3778E	1604	From 2006-12-13
Kohler Place, Littleton	P24A	Colorado,U.S.A.	39.5144N	104.9082W	1861	From 2008-06-10 to 2010-05-05
Kohls Ranch	KH-AZ	Arizona,U.S.A.	34.4833N	111.0342W	2286	From 1964-04-02 to 1964-06-18
Kohls Ranch	KH-	Arizona,U.S.A.	34.4833N	111.0342W	2286	From 1964-04-02 to 1964-06-18
Kohzaman	HKZM	Iran	35.3775N	48.9045E	2334	From 2011-04-01
Koide	K12	Iwate,Japan	39.4575N	141.4989E	534	
Koidern River	KRY	Yukon Territory,Canada	61.9700N	140.4080W	686	
Koike	KOID	Kagoshima,Japan	31.5872N	130.6128E	40	
Kokatahi	KOKS	South Island,New Zealand	42.8917S	171.1356E	80	From 1999-09-09
Kokkinochori, Kavala	KOKK	Greece	40.8178N	23.9992E	260	From 2015-12-07
Kokohu	KNZ	North Island,New Zealand	39.0217S	177.6737E	32	From 1998-10-19
Kokoji	K04	Iwate,Japan	39.3611N	141.5192E	477	
Kokolik River	B18K	Alaska,U.S.A.	69.3641N	161.8016W	222	From 2017-09-29
Kokpek	KPKS	Kazakhstan	43.4660N	78.6840E	1137	From 2004-06-09
Kokstad	KSTD	Natal	30.6173S	29.3086E	1514	From 2016-05-13
Kokstad	KSD	Cape Province,South Africa	30.5410S	29.4167E	1350	From 1993-03-01
Koktuh Hills	O18K	Alaska,U.S.A.	59.8542N	155.2080W	544	From 2015-06-14
Kokwok River Bristol Bay	O16K	Alaska,U.S.A.	59.5938N	158.0932W	198	From 2016-05-27
Kolacno	KOLL	Slovakia	48.5787N	18.4024E	290	From 2002-12-01
Kolahrood	IKLH	Iran	33.3190N	51.5787E	2280	From 2000-09-01
Kolaka, Sulawesi	KKSI	Sulawesi,Indonesia	4.1718S	121.6513E	89	From 2008-12-01
Kolanjah	KLNJ	Iran	31.0084N	51.5921E	2950	From 2011-04-01
Kolari	KLF	Finland	67.2347N	23.9640E	208	From 2014-11-11
Kolasin	KOME	Montenegro	42.8505N	19.5152E	1030	From 2011-07-26
Kolay	KOL	Turkey	41.4243N	35.7961E	145	From 1976-09-01
Kolba	KOLBA	Krasnoyarskiy Kray	73.5296N	80.7015E	11	
Kolbano, Nusa Tenggara Timur	KTTI	Indonesia	10.0136S	124.5339E	87	From 2019-01-01
Koldanda	KOLN	Nepal	27.7700N	83.6000E	1830	From 1994-04-01
Kolesd	PKB4	Hungary	46.4963N	18.6038E	22	From 2016-03-01
KOLHAPUR, MAHARASTRA	KOLH	Maharashtra,India	16.8338N	74.2813E	563	From 2002-07-02
Koliganek Bristol Bay	O17K	Alaska,U.S.A.	59.7733N	157.0946W	156	From 2016-05-29
Kolka	KLKK	Severo-Osetinskaya	42.7427N	44.4612E	2970	From 2012-05-19
Kolky, Bolu	RUZG	Turkey	40.7242N	31.7936E	1567	From 2019-12-19
Koln Dom Grabung	BA19	Nordrhein-Westfalen,Germany	50.9412N	6.9577E	48	From 2006-10-01
Kln Uni	BA26	Nordrhein-Westfalen,Germany	50.9261N	6.9329E	47	From 2013-05-11
Koln University	BA07	Nordrhein-Westfalen,Germany	50.9259N	6.9243E	50	From 2006-10-01 to 2012-08-01
Kolonicke sedlo	KOLS	Slovakia	48.9333N	22.2731E	460	From 2004-09-01
Komaba	KOM	Saitama,Japan	35.6500N	139.7630E	38	
Komagane	KGN	Yamanashi,Japan	35.7518N	137.9719E	629	
Komaggas	KOMG	Cape Province,South Africa	29.7970S	17.4837E	299	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Komakuk Beach	KBT	Yukon Territory,Canada	69.5937N	140.1820W	15	From 1981-08-08
Komarou	KOMA	Tajikistan	39.1000N	70.4000E		
Komasi	IKOM	Iran	34.1745N	47.5102E	1502	From 2004-01-01
KOMASI	KKOM	Iran	34.1744N	47.5119E	1640	From 2021-01-18
Komatsu	KMJD	Ishikawa,Japan	36.3645N	136.5057E	70	
Komatsu	KMD	Ishikawa,Japan	36.3135N	136.4916E	70	
Komgaron	KMGR	Severo-Osetinskaya,Russia	43.0572N	44.8659E	740	From 2010-08-07
Komodo	OMBFM	Indonesia	8.6910S	119.8247E	74	From 2020-12-31
Komotini	KMT1	Greece	41.1159N	25.4067E	52	From 2011-12-15
Kompina	KMC	Cameroon	4.3861N	9.5781E	85	From 1984-12-14
Komsomolabad	KOMS	Tajikistan	38.9000N	69.9500E		
Komsomolskaya	KMSR	Severo-Osetinskaya,Russia	43.3708N	44.2924E	348	From 2005-08-11
KOMT	KOMTI	Israel	31.1220N	35.2690E	200	From 1986-09-01 to 1988-02-29
Konaklı, Erzurum	EKONA	Turkey	39.7792N	41.2279E	3091	From 2017-07-26
Konawaena	KNW	Hawaii,U.S.A.	19.5133N	155.9180W	495	From 1922-01-01 to 1960-12-31
Kondoa	KOND	Tanzania,United Republic of Tanzania	4.9088S	35.7908E	1357	
Konedobu	KDB	Papua New Guinea	9.4717S	147.1600E	40	From 1968-01-01
Kongan	KGNI	Nagaland,India	26.7558N	94.8383E	500	
Kongsberg	KON	Norway	59.6491N	9.5982E	216	
Kongsberg	KONO	Norway	59.6491N	9.5982E	216	From 1991-06-28
Konidatara, Kephalonia	KONA	Greece	38.4249N	20.5710E	248	From 2014-02-05
Konigsberg	KNG	Kaliningradskaya Oblast',Russia	54.8333N	20.5000E	33	
Konitsa	KNS	Greece	40.0596N	20.7592E	1090	From 2008-02-28
Konitsa	KNS1	Greece	40.0480N	20.7524E	618	From 2010-10-01
Konnersreuth	MKON	Bayern	50.0186N	12.2338E	614	From 2009-02-04
Konogogo	EKN	New Ireland,Papua New Guinea	3.4888S	152.1850E	270	
Konpirayama	KONH	Iburi,Japan	42.5541N	140.8168E	230	
Konstanz	KONZ	Baden-Wurttemberg	47.6652N	9.1659E	398	From 2016-10-01
Konsvik	STOK1	Norway	66.5000N	13.1200E	36	From 2005-07-01
Konsvik	KONS	Norway	66.4992N	13.1193E	36	From 2005-07-01
Kontariotissa N024	N024M	Greece	40.2315N	22.4631E	136	
Kontariotissa N025	N025M	Greece	40.0026N	22.4477E	0	
Kontariotissa N026	N026M	Greece	39.7281N	22.6698E	1065	
Konya, Altintekin	ALIN	Turkey	38.2985N	32.8785E	1073	From 2014-12-01
Konya-Celtik	CTIK	Turkey	39.0298N	31.6390E	935	From 2018-05-24
Konya-Cihanbeyli	CBEY	Turkey	38.6899N	32.7823E	1037	From 2017-12-20
KONYA_Doganhisar	DOGA	Turkey	38.1058N	31.6682E	1452	From 2011-10-04
Konya-Eregli	KERG	Turkey	37.4146N	34.1250E	1365	From 2010-11-10
Konya-Kulu	KKUL	Turkey	39.1713N	32.9173E	1178	From 2010-11-11
Konya-Meram	KMER	Turkey	37.7685N	32.3680E	1231	From 2010-11-11
Konya, Seydisehir-Tarasci	SEDI	Turkey	37.4511N	31.7549E	1255	From 2014-12-01
Konya--Tatoy	KONT	Turkey	37.9453N	32.3605E	550	
Konyrlen	KNOS	Kazakhstan	44.3590N	79.1790E	1630	
Koohdasht(Tabas)	TKDS	Iran	33.6134N	57.1221E	1222	From 2011-08-01
Kookooligit Mountain	KKLA	Alaska,U.S.A.	63.5888N	170.3755W	655	From 1980-07-01
Koorda	KOO6	Western Australia	30.8264S	117.4818E	340	
Koorda, Western Australia	KORDA	Western Australia	30.8769S	117.5030E	305	From 2020-05-28
Kooshah	IKOO	Iran	32.4241N	59.0044E	2245	From 2005-12-01
Kootwijk	NE32	Netherlands	52.1790N	5.8120E	40	
Kopaniny	KOCW	Czech Republic	50.2652N	12.2336E	575	From 1994-01-01
Kop Dagi	KOPT	Turkey	40.0179N	40.4972E	2489	From 2006-09-18
Kophill	SKP1	England,United Kingdom	51.7218N	0.8096W	212	From 1993-01-01
Koprukoy-ERZURUM	KOPR	Turkey	39.9916N	41.8534E	1675	From 2012-11-28
Kopyto	KPT	Kamchatskaya Oblast',Russia	55.9661N	160.2219E	1004	
Kora	KORR	Severo-Osetinskaya,Russia	43.0861N	44.0677E	621	From 2005-11-03
Korca	KBN	Albania	40.6236N	20.7874E	870	
Korea Array	KSRS	Republic of Korea	37.4540N	127.9230E		
Korgoz, Azerbaijan	MV09	Azerbaijan	40.3017N	49.6254E	21	From 2021-02-19
Korhogo	LKO	Ivory Coast	9.5444N	5.5889W	435	From 1989-06-01
Korinthos	KOR2	Greece	37.9401N	22.9494E	31	From 2012-09-01
Korintji-Dempo	KKD	Sumatera,Indonesia	3.7000S	102.9330E		
Korkueli	KORT	Turkey	37.0007N	30.3503E	1304	From 2008-03-06
Korkuteli	KORK	Turkey,Turkey	37.0007N	30.3503E	1304	
Kormomolin, Maluku	KTMI	Indonesia	7.6691S	131.5792E	59	From 2019-01-01
Kornatka	PL22A	Poland	49.8359N	20.0737E	362	From 2020-01-09
Koro	KRO	Fiji	17.3141S	179.3920E	522	From 1981-11-01
Korolevo	KORU	Carpathian Mountains	48.1573N	23.1339E	150	From 1998-07-15
Koror	KOR	Caroline Islands,Palau	7.3350N	134.4850E	30	From 1950-01-01 to 1958-12-31
Korotkovo, Kemerovskaya Oblast', Russia	KRTR	Kemerovskaya Oblast'	54.4562N	86.4327E	176	From 2023-09-06
Korovin Flat Point	KOFP	North America,U.S.A.	52.2751N	174.0972W	662	
Korovin Northeast	KONE	Alaska,U.S.A.	52.3936N	174.1193W	253	
Korovin Northwest	KONW	Alaska,U.S.A.	52.3980N	174.2080W	334	
Korovin Southeast	KOSE	Alaska,U.S.A.	52.3450N	174.0500W	625	
Korovin Volcano	KOKV	Alaska,U.S.A.	52.3610N	174.1640W	776	
Korovin West	KOWE	Alaska,U.S.A.	52.3657N	174.2507W	527	
Kortright Cn Earth Rangers Ctr, Woodbridge	I53A	Ontario,Canada	43.8238N	79.5912W	195	From 2012-11-28
Koru-Cinarcik-YALOVA	KOUK	Turkey	40.6572N	29.1918E	2	From 2021-06-20
Koryaka	KOK	Kamchatskaya Oblast',Russia	53.2919N	158.6361E	1050	
Koryakskii	KRER	Kamchatskaya Oblast',Russia	53.3040N	158.7490E	1847	From 2009-01-15
Kos	KOSP	Greece	36.8810N	27.2810E	40	From 2021-09-15
Kosan Boka	KIC	Ivory Coast	6.3606N	4.7411W	176	From 1967-06-01
Kosel	KOSL	North Macedonia,North Macedonia	41.1510N	20.8871E	1195	From 2017-07-03
Koshkarbay	KOSH	Kazakhstan	53.0300N	69.0600E	330	From 1972-12-01 to 1975-04-01
Kos Island	KOS1	Greece	36.8924N	27.2901E	30	From 2001-01-25
Kos Island	KOSK	Crete,Greece	36.7516N	26.9785E	7	From 2012-05-10
Kosmodemyansk	KOS	Sakhalinskaya Oblast',Russia	44.1000N	145.8830E		
Kosmos	KOSW	Washington,U.S.A.	46.4613N	122.1910W	828	
Kosov	KSV	Carpathian Mountains	48.3150N	25.0667E	450	
Kosovska,, Mitrovica	KMIS	Serbia	42.9179N	20.8377E	0	From 2008-01-01
Kostenkovo, Kuzbass, Russia	KOST	Kemerovskaya Oblast'	53.6512N	86.8218E	322	From 2015-09-26
Koster	KSR	Transvaal,South Africa	25.8517S	26.8972E	1623	
Kostomuksha	KOST6	Karelia	64.5920N	30.4165E	230	
Kostomuksha	KOS6	Karelia	64.5920N	30.4170E	228	From 2014-06-19
Kostyukhnivka	RNPP1	Ukraine	51.3498N	25.7657E	168	
Kostyukhnivka	RNPP2	Ukraine	51.3266N	25.8896E	293	
Kota Agung	KASI	Sumatera,Indonesia	5.5236S	104.4967E	0	From 2007-12-01
Kotabaru	KBKI	Borneo,Indonesia	3.2995S	116.1670E	0	From 2007-12-01
Kotabumi	KLI	Sumatera,Indonesia	4.8630S	104.8567E	32	
Kotacane, Aceh	KCSI	Sumatera,Indonesia	3.5220N	97.7715E	204	From 2008-12-01
Kota Kinabalu	KKM	Sabah,Malaysia	6.0443N	116.2147E	830	
Kota Mataram Nusa Tenggara Barat Indonesia	KMNI	Indonesia	8.6206S	116.0892E	69	From 2021-12-31
Kotaneelee Airstrip	KOTAN	Yukon Territory,Canada	60.1301N	124.0527W	386	From 2016-06-21
Kota Tinggi	MYKOM	Peninsular Malaysia,Malaysia	1.7900N	103.8500E	0	From 2006-03-24
Kothagudem	KGD	Andhra Pradesh,India	17.5767N	80.6571E	0	
Kothi	KOTI	Himachal Pradesh,India	32.3077N	77.2000E	2527	From 1985-08-01
Kotino, Kuzbass, Russia	KOTO	Kemerovskaya Oblast'	54.1871N	86.9230E	275	From 2016-02-25
Kotkhai	KKHI	Himachal Pradesh,India	31.1015N	77.5814E	2240	From 2007-05-01
Kotohata	K07	Iwate,Japan	39.4164N	141.6564E	554	
Kotokel	KELR	Buryatiya,Russia	52.7600N	108.0800E	460	From 2005-11-03
Kottamia	KOT	Egypt	29.9276N	31.8292E	507	
Kotyrbulak	KOTS	Kazakhstan	43.2340N	77.1120E	1630	From 1996-09-01
Kotzebue	KTA	Alaska,U.S.A.	66.8500N	162.6100W	26	From 1976-08-01
Koulo, Foa Island	HAPI	Tonga	19.7771S	174.3403W	9	
Koumac	KOU	New Caledonia	20.5619S	164.2810E	17	
Koumac, New Caledonia	KOUNC	New Caledonia	20.5507S	164.2861E	88	From 2011-03-17
Koumaradei	KOUM	Greece	37.7041N	26.8377E	340	
Kourou	KOG	French Guiana,France	5.2070N	52.7320W	10	
Koussour	KSU	Djibouti	11.5335N	42.4463E	370	From 1975-11-01
Koussour	KSDD	Djibouti	11.5349N	42.4453E	378	
Kouteli, PE01	PE01E	Greece	38.0170N	22.0283E	850	
Kouvelles, Euboea, Greece	GR27	Greece	38.1824N	24.2331E	105	From 2022-09-28
KOUVOLA	KY03	Finland	60.9443N	26.5446E	70	From 2011-12-19
KOUVOLA	KY12	Finland	60.7608N	26.9685E	30	From 2014-07-03
KOUVOLA	KY13	Finland	60.7676N	26.6860E	50	From 2015-07-09
KOUVOLA	KY02	Finland	60.9630N	26.7874E	75	From 2011-12-19
KOUVOLA	KY11	Finland	61.0890N	27.0027E	90	From 2013-10-10
KOUVOLA	KY05	Finland	60.9256N	26.7102E	67	From 2012-01-19
KOUVOLA	KY04	Finland	60.8483N	26.7393E	65	From 2011-12-19
KOUVOLA	KY10	Finland	60.9363N	26.8874E	75	From 2014-03-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
KOUVOLA	KY01	Finland	60.9085N	26.6920E	60	From 2011-12-19
Kouvola, Finland	KY15	Finland	60.9107N	26.6902E	60	From 2019-06-19
Kouya	JWY	Wakayama,Japan	34.2183N	135.5930E	795	
Kovagotottos	KOVH	Hungary	46.0883N	18.0999E	270	From 2015-03-01
Kovda	KVDA	Murmanskaya Oblast'	66.6919N	32.8715E	10	From 2018-06-08
Kovokta	KVO	Buryatiya,Russia	56.1370N	113.0500E	1280	
Kowa	KOWA	Mali	14.4967N	4.0167W	280	
Kowai	KOWC	South Island,New Zealand	43.3215S	171.8548E	466	From 2005-11-18
Kowarra	KOWM	Victoria,Australia	35.7885S	144.5201E	102	
Kowen Forest	KOW	Australian Capital Territory,Australia	35.2883S	149.2980E	792	
Koyama	KOY	Shizuoka,Japan	35.3500N	138.9830E		
Koyna Nagar	KNI	Maharashtra,India	17.3967N	73.7500E	630	From 1963-10-11 to 1999-08-25
Koytash	KOYT	Uzbekistan	40.2074N	67.3266E	1070	
Koyuk River	G16K	Alaska,U.S.A.	65.3936N	162.3547W	169	From 2017-07-15
Koyulhisar-SIVAS	KYHL	Turkey	40.3244N	37.8955E	1568	From 2020-12-11
Koyundere	KYND	Turkey	40.5370N	28.7897E	44	From 2006-03-28
Kozaga	JWZ	Wakayama,Japan	33.5305N	135.7148E	230	
Kozakli-Nevsehir	KOZK	Turkey	39.2101N	34.8680E	1134	From 2015-02-11
Kozan	KOZTB	Turkey	37.4360N	35.8180E	150	From 1993-03-01
Kozan	KOZT	Turkey	37.4805N	35.8267E	381	From 2005-08-25
Kozani	KOZ2	Greece	40.3052N	21.7838E	745	From 2011-04-01
Kozani	KZN	Greece	40.3067N	21.7708E	900	
Kozel	A074A	Czech Republic	49.6715N	13.5309E	385	From 2015-10-02
Kozel'skiy	KZL	Kamchatskaya Oblast',Russia	53.2010N	158.8940E	950	
Kozjak Brana	KOZJ	North Macedonia,North Macedonia	41.8778N	21.1950E	533	From 2004-01-01
Kozu shima	JKO	Bonin Islands,Japan	34.1867N	139.1367E	138	
Kozyr	KOZ*	Kamchatskaya Oblast',Russia	56.0660N	159.8960E		
Kozyr	KOZR	Kamchatskaya Oblast',Russia	56.0660N	159.8960E	450	
Kozyrevsk	KOZ	Kamchatskaya Oblast',Russia	56.0580N	159.8732E	450	
K-Podol'skiy	KMPD	Carpathian Mountains	48.5630N	26.4600E	121	
Krabesse	KRAM	Morocco	31.7030N	9.3400W		
Krabi	KRAB	Thailand	8.2215N	99.1965E	58	
KRABS	KRABS	Saudi Arabia	28.1010N	35.2540E	129	
Krakow	KRA	Poland	50.0561N	19.9397E	223	From 1954-01-01 to 1992-04-30
Kraliky	KRLC	Czech Republic	50.0753N	16.7817E	754	From 2007-11-01
Kraljevo Serbia	GOCS	Serbia	43.5624N	20.8734E	1072	
Kramer	KM-CL	California,U.S.A.	34.8811N	117.2567W	853	From 1963-04-01 to 1966-03-31
Kramer	KM-	California,U.S.A.	34.8811N	117.2567W	853	From 1963-04-01 to 1966-03-31
Kramsach, Tirol	A038A	Austria	47.4642N	11.9188E	578	From 2016-01-20
KRANIDI	KRND	Greece	37.3830N	23.1502E	140	From 2010-06-08
Krashen	COLK	Armenia	40.8800N	43.9650E	1860	
Kraslice	KRCW	Czech Republic	50.3316N	12.5304E	760	From 1994-01-01
KrasnayaPolyana	KPR	Krasnodarskiy Kray,Russia	43.6667N	40.2000E	450	
Krasnaya Polyana	RPOR	Krasnodarskiy Kray,Russia	43.6996N	40.2662E	600	From 2010-03-01
Krasnodar	KGUR	Krasnodarskiy Kray,Russia	45.0216N	39.0297E	66	
Krasnoe ozero	IZMRN	Leningradskaya Oblast'	60.5425N	29.7160E	41	
Krasnogorka	KRS	Kazakhstan	43.2500N	75.1667E		
Krasnovodsk	KRF	Turkmenistan	40.0130N	53.0030E	10	
Krasnoyarsk	KRAR	Krasnoyarskiy Kray,Russia	56.0120N	92.8729E	123	From 1999-12-24
Krefeld	NE39	Nordrhein-Westfalen,Germany	51.3425N	6.5375E	40	
Kremmling	O22A	Colorado,U.S.A.	40.1618N	106.5470W	2747	From 2008-06-21 to 2010-06-14
Kremsmunster	KMR	Austria	48.0565N	14.1319E	379	From 1958-01-01
Kreppuhraun	IKRE	Iceland	64.7837N	16.3828W	760	From 2006-11-01
Krestena	KRES	Greece	37.5935N	21.6234E	82	
Krestovskiy	KRSR	Kamchatskaya Oblast',Russia	56.2169N	160.5653E	1120	
Kreuzlingen, Kantonsschule TG	SKRK	Switzerland	47.6481N	9.1804E	405	From 2015-04-20
Krib	KRIT	Tunisia	36.3383N	9.0748E	640	
Kribi, CM05	ACM05	Cameroon	2.9420N	9.9140E	36	
Krieza	S030	Greece	38.3950N	24.1450E	197	
Krioneri	S015	Greece	37.9720N	22.6180E	947	
Kriovrisi, Ptolemaida, Greece	GR10	Greece	40.4832N	21.5943E	781	From 2022-09-28
Kristallenia	KRIS	Crete,Greece	35.1780N	25.5030E	850	
Krivoklat	A075A	Czech Republic	50.0377N	13.8737E	285	From 2015-10-06
Krokottuvotn	IKVO	Iceland	65.7140N	16.8810W	572	From 2002-06-23
Krokur	IKRO	Iceland	64.0980N	21.1200W	147	From 1996-10-08
Kromhout	KROM	Cape Province,South Africa	34.1438S	24.6212E	75	
Kronoki	KRN	Kamchatskaya Oblast',Russia	54.5961N	161.1339E	50	
Krueger Creek	KRUG	California	40.9518N	123.9536W	389	From 2022-07-28
Krupa na Uni	KNYS	Bosnia and Herzegovina	44.8908N	16.3202E	308	From 2016-10-13
Krupnik	KKB	Bulgaria	41.8417N	23.1287E	439	
Krusevo	KRUS	North Macedonia,North Macedonia	41.3689N	21.2488E	1015	From 2006-09-01
Krutoberegovo	KBG	Kamchatskaya Oblast',Russia	56.2550N	162.7050E	30	
Krutoberegovo 1	KBTR	Kamchatskaya Oblast',Russia	56.2081N	162.8189E	200	
Krutsinger Ranch, Parks	O28A	Nebraska,U.S.A.	40.1262N	101.7735W	1032	From 2009-05-28 to 2011-04-06
Krysuvik	IKRI	Iceland	63.8780N	22.0760W	146	From 1992-12-01
Ksara	KSA	Lebanon	33.8233N	35.8900E	920	
Ksar Es Souk	KES	Morocco	31.9950N	4.4550W	1124	From 1973-02-01 to 1976-10-31
Kseropotamos	KSER	Crete	35.3323N	25.0965E		From 2020-05-28
Kshj	KSHJ	Jordan	30.2740N	36.9660E	1005	From 1995-08-01
Ksiaz	KSP	Poland	50.8428N	16.2931E	353	From 1970-01-01
KTRA	KTRA	Israel	30.0260N	35.0540E	100	From 1985-11-01 to 1986-04-30
KU8	KU8	Finland	66.0287N	27.9436E	270	From 2009-09-25
Kuala Lumpur	KLM	Peninsular Malaysia,Malaysia	3.1025N	101.6450E	46	
Kuala Trengganu	KTMY	Peninsular Malaysia,Malaysia	5.3283N	103.1356E	33	
Kuala Trengganu	KTGM	Peninsular Malaysia,Malaysia	5.3280N	103.1340E	56	From 1994-01-01
Kuangyinshan	TWS1	Taiwan region	25.1008N	121.4177E	60	From 1981-01-05
Kuaotunu	KUZ	North Island,New Zealand	36.7452S	175.7209E	76	From 1990-10-11
Kubaka	GOLD	Magadanskaya Oblast',Russia	63.6780N	159.9570E	726	From 2003-01-14
Kubataba	KUBR	Stavropol'skiy Kray,Russia	43.8000N	43.4097E	665	
Kuba-Taba	KBTC	Stavropol'skiy Kray,Russia	43.8166N	43.4084E	687	From 2006-11-10
Kubokawa	JKU	Kochi,Japan	33.3095N	133.0633E	340	
Kubrat	KUBB	Bulgaria	43.8024N	26.4941E	261	From 2012-11-20
Kucevo	KUBS	Serbia	44.4123N	21.6749E	389	From 2010-07-14
Kuching	KSM	Sarawak,Malaysia	1.4733N	110.3083E	66	
Kuchinoerabu	JKC	Ryukyu Islands,Japan	30.4620N	130.1957E	20	
Kuchiyama	KCY	Tokushima,Japan	33.9970N	134.1422E	260	
Kucino	KUC	Moskovskaya Oblast',Russia	55.7500N	37.9667E	155	
Kuckum	BD14	Nordrhein-Westfalen,Germany	51.0813N	6.3925E	74	From 2012-07-22
Kudamatsu	JKD	Yamaguchi,Japan	34.0540N	131.8738E	220	
Kudat	KDM	Sabah,Malaysia	6.9160N	116.8330E	3	
Kuden	KUDEN	Schleswig-Holstein	53.6688N	9.1955E	14	From 2017-07-17
Kuemmerle Ranch, Upton	I24A	Wyoming,U.S.A.	43.8594N	104.6263W	1338	From 2008-10-23 to 2010-08-16
Kufra	LKFR	Libya	24.1613N	23.2122E	413	
Kufra	KFRA	Syria	35.2125N	36.7996E	650	From 1994-12-01
Kugaaruk Camp, Nunavut	KUGN	Nunavut,Canada	68.0898N	90.0616W	165	From 2007-08-18
Kugluktuk,NWT	KUKN	Northwest Territories,Canada	67.8226N	115.0899W	320	From 2010-07-21
Kuito, Bie	KUITO	Angola	12.3708S	16.9104E	1745	From 2018-07-31
Kujiedanarisawa	JKEN	Iwate,Japan	40.2057N	141.7098E	74	From 2012-11-01
Kuka Creek	L14K	Alaska,U.S.A.	61.3416N	162.6829W	41	From 2017-05-27
Kukesi	KKS	Albania	42.0756N	20.4113E	300	
Kukul	KKG	Guatemala	14.9750N	92.0360W	960	From 1979-11-01
Kukurantumi	KUKU	Ghana	6.1924N	0.3687W	240	
Kukurantumi	KUK	Ghana	6.1890N	0.3690W	198	From 1973-03-01
Kula-Manisa	KULA	Turkey	38.5144N	28.6607E	915	From 2007-02-21
Kulculer Bayramic Canakkale	KULC	Turkey	39.7993N	26.7784E	210	From 2021-02-01
Kul'dur	KLR	Yevreyskaya Avtonomnaya Oblast',Russia	49.2300N	131.7500E	298	From 1954-01-01
Kule	KOOLE	Botswana	22.9930S	20.1955E	1313	
Kulei Odisha,India	KULE	Orissa	20.9893N	85.2635E	73	From 2015-07-15
Kulet Umm Tiheiwat	NMAN	Egypt	23.9169N	33.0737E	275	
Kulim	KULM	Peninsular Malaysia,Malaysia	5.2900N	100.6500E	74	From 2003-11-01
Kulin High School, Kulin	AUKUL	West Australia,Australia	32.6700S	118.1500E	312	From 2012-09-20
Kulkuduk	KLKU	Uzbekistan	42.5400N	63.3000E	361	
Kullorsuaq	KULLO	Greenland	74.5805N	57.2201W	44	From 2009-07-17
Kultieth River Mountain	KULT	Alaska,U.S.A.	60.2479N	142.7214W	1006	
Kulu	KULR	Magadanskaya Oblast',Russia	61.8890N	147.4310E	655	From 1980-01-01
Kulu	KULU	Turkey	39.0426N	33.0023E	1121	From 2010-06-29
Kuludalsa	IKUD	Iceland	64.3210N	21.8750W	28	From 1996-06-28
Kulusuk, Greenland	KULG	Greenland	65.5752N	37.1788W	50	From 2004-08-02
Kulyab	KUL	Tajikistan	37.9200N	69.7800E	600	From 1947-01-01 to 1995-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kumagaya	KMG	Saitama,Japan	36.1466N	139.3833E	31	
Kumamoto	KUM	Kumamoto,Japan	32.8100N	130.7100E	39	
Kumamoto 2	KUMJ	Kumamoto,Japan	32.5350N	130.8280E	170	
Kumano	KMN	Wakayama,Japan	33.9677N	136.0580E	300	
Kumaryk	KUMR	Uzbekistan	41.2384N	69.2610E	413	
Kumba	KBC	Cameroon	4.6531N	9.4131E	375	From 1985-03-17
Kumba, CM13	ACM13	Cameroon	4.5880N	9.4620E	167	
Kumbag-Suleymanpasa-TEKIRDAG	KUMB	Turkey	40.8626N	27.4592E	26	From 2021-06-09
Kumbag-Tekirdag	SBT4	Turkey	40.8281N	27.5354E	-1144	From 2010-12-22
Kumbag-TEKIRDAG	ASYA	Turkey	40.8956N	27.4650E	2	From 2021-03-21
Kume jima	KMJ	Ryukyu Islands,Japan	26.3350N	126.8067E	4	
Kume jima 2	JKE	Ryukyu Islands,Japan	26.3260N	126.7860E	71	
Kumisi	KYM	Georgia,Georgia	41.6300N	44.7300E	420	
Kumisi	KMSG	Georgia,Georgia	41.6211N	44.7754E	420	From 1982-01-01
Kumluca	MARK	Turkey	36.2748N	30.4356E	973	From 2003-12-08
Kumora	KUM*	Buryatiya,Russia	55.8869N	111.2006E	480	
Kumora	KMO	Buryatiya,Russia	55.8869N	111.2006E	480	
Kumukh	KMKR	Dagestan,Russia	42.1311N	47.0989E	1950	
Kuna River	D19K	Alaska,U.S.A.	68.4946N	158.1151W	671	From 2017-08-18
Kundal	KUDL	Haryana,India	28.1442N	76.4892E	0	
Kunduran, Jawa Tengah	KBJM	Indonesia	7.0505S	111.2329E	62	From 2019-01-01
Kunene	KNN1	Democratic Republic of the Congo	1.4873S	29.0707E	1896	
Kunene	KNN	Democratic Republic of the Congo	1.4800S	29.0670E	1800	
Kungur	PR3R	Permskiy Kray,Russia	57.4437N	57.0059E	116	From 2003-04-03
Kungurtug, Tuva Republic, Russia	KNGR	Tyva,Russia	50.6043N	97.5171E	1311	From 2011-10-11
Kuni	JGK	Gumma,Japan	36.5620N	138.6397E	645	
Kunigami	JOW	Ryukyu Islands,Japan	26.8322N	128.2745E	220	
Kunimi	JKI	Oita,Japan	33.6323N	131.5690E	120	
Kuninkaantammi	KUNI	Finland	60.2693N	24.9107E	33	From 2020-04-21
Kunming	KUN	Yunnan,China	25.1233N	102.7400E	1945	
Kunming	KMI	Yunnan,China	25.1233N	102.7400E	1940	
Kunming	KMI2	Yunnan,China	25.1481N	102.7472E	1940	From 1975-01-01
KUNMING INFRASONIC ARRAY REFERENCE POINT	I56CN	Kunming,China	25.2763N	102.6831E	2014	From 2017-01-16
Kunneppu	KNP	Abashiri,Japan	43.7599N	143.7124E	190	
Kunszentmiklos	PKS7	Hungary	47.0473N	19.1609E	95	
Kununurra	KNRA	Western Australia,Australia	15.6769S	128.7627E	101	From 2008-08-21
Kununurra	KNA	Western Australia,Australia	15.7500S	128.7667E	150	From 1965-11-01 to 2008-08-20
Kuosheng	TWX	Taiwan region	25.1988N	121.6616E	40	From 1975-01-10
Kuosheng	NWRT	Taiwan region	25.2028N	121.6601E	9	From 2014-08-07
Kupang	KUPT	Timor,Indonesia	10.1513S	123.6050E		
Kupang	KUP	Timor,Indonesia	10.1678S	123.5860E	52	
Kupang	KUG	Timor,Indonesia	10.1513S	123.6050E	52	From 1973-01-01
Kupecik-Ladik(Samsun)	KUPE	Turkey	40.8765N	36.0489E	1050	From 2013-12-06
Kupiano	KPN	Papua New Guinea	10.0746S	148.1810E	20	
Kupiano	KUPN	Papua New Guinea	10.0769S	148.1840E	10	From 1983-12-14
Kupres RS	SRKY	Bosnia and Herzegovina	44.0680N	17.1650E	1130	From 2016-03-08
Kurahashi	JHM	Hiroshima,Japan	34.1395N	132.5293E	60	
Kuram	KURS	Kazakhstan	43.4880N	78.1700E	840	From 1980-09-01
Kuranda	KDA	Queensland,Australia	16.8250S	145.6300E	365	From 1959-11-01 to 1964-12-31
Kurayoshi	KYTD	Tottori,Japan	35.4392N	133.8339E	100	
Kurayoshi	JKR	Tottori,Japan	35.3783N	133.8198E	174	
Kurchatov	KURK	Kazakhstan	50.7154N	78.6202E	184	From 1995-03-26
Kurchatov Array	KURBB	Kazakhstan	50.6226N	78.5304E	200	From 2006-09-20
Kurchatov Array Site 1	KUR01	Kazakhstan	50.7216N	78.5634E	163	From 2006-09-20
Kurchatov Array Site 10	KUR10	Kazakhstan	50.5236N	78.4977E	203	From 2006-09-20
Kurchatov Array Site 11	KUR11	Kazakhstan	50.6019N	78.6863E	200	From 2006-09-20
Kurchatov Array Site 12	KUR12	Kazakhstan	50.6061N	78.6551E	202	From 2006-09-20
Kurchatov Array Site 13	KUR13	Kazakhstan	50.6102N	78.6242E	224	From 2006-09-20
Kurchatov Array Site 14	KUR14	Kazakhstan	50.6144N	78.5927E	217	From 2006-09-20
Kurchatov Array Site 15	KUR15	Kazakhstan	50.6185N	78.5615E	198	From 2006-09-20
Kurchatov Array Site 16	KUR16	Kazakhstan	50.6269N	78.4993E	193	From 2006-09-20
Kurchatov Array Site 17	KUR17	Kazakhstan	50.6318N	78.4690E	184	From 2006-09-20
Kurchatov Array Site 18	KUR18	Kazakhstan	50.6353N	78.4368E	191	From 2006-09-20
Kurchatov Array Site 19	KUR19	Kazakhstan	50.6394N	78.4057E	180	From 2006-09-20
Kurchatov Array Site 2	KUR02	Kazakhstan	50.7017N	78.5566E	167	From 2006-09-20
Kurchatov Array Site 20	KUR20	Kazakhstan	50.6436N	78.3746E	182	From 2006-09-20
Kurchatov Array Site 21	KUR21	Kazakhstan	50.6222N	78.5311E	240	
Kurchatov Array Site 3	KUR03	Kazakhstan	50.6820N	78.5500E	173	From 2006-09-20
Kurchatov Array Site 4	KUR04	Kazakhstan	50.6622N	78.5434E	176	From 2006-09-20
Kurchatov Array Site 5	KUR05	Kazakhstan	50.6424N	78.5366E	181	From 2006-09-20
Kurchatov Array Site 6	KUR06	Kazakhstan	50.6028N	78.5239E	194	From 2006-09-20
Kurchatov Array Site 7	KUR07	Kazakhstan	50.5831N	78.5172E	200	From 2006-09-20
Kurchatov Array Site 8	KUR08	Kazakhstan	50.5632N	78.5108E	199	From 2006-09-20
Kurchatov Array Site 9	KUR09	Kazakhstan	50.5433N	78.5043E	199	From 2006-09-20
Kurday	KRD	Kazakhstan	43.3833N	75.0500E	900	
Kurdemir	KDMR	Azerbaijan	40.3760N	48.1840E	39	From 2009-10-26
Kurdzhali	KDZ	Bulgaria	41.6302N	25.3396E	335	
Kure	KRE	Hiroshima,Japan	34.2333N	132.5670E		
Kurik	FKMPM	Indonesia	8.2532S	140.2665E	73	From 2020-12-31
Kuril'sk	KUR	Sakhalinskaya Oblast',Russia	45.2333N	147.8667E	25	
Kurino-dake	KV04	Miyazaki,Japan	31.9422N	130.8133E	1020	
Kurkur	AKUR	Egypt	23.8940N	32.7760E		
Kurmenty	KRM	Kazakhstan	42.9870N	78.2750E	2151	
Kurna	KURN	Turkey	40.9550N	29.3317E	159	From 2007-01-19
Kuroka	JGF	Gifu,Japan	35.6008N	137.3572E	580	
Kuromamegawa	KMGE	Nagano,Japan	36.4200N	138.5456E	1557	
Kuro-shima	JKRS	Ryukyu Islands,Japan	24.2375N	124.0092E	9	
Kuroyon	KYJ	Toyama,Japan	36.5640N	137.6692E	1390	
Kurravaara	KUA	Sweden	67.9542N	20.3368E	360	
Kurri Kurri	KURI	New South Wales	32.8152S	151.4846E	50	From 2013-11-29
Kurthwood	341A	Louisiana,U.S.A.	31.3334N	93.1681W	93	From 2011-03-08 to 2012-11-15
Kurtkulagi	KRTT	Turkey	36.9220N	35.8810E	100	From 1994-01-01
Kurty	KUU	Kazakhstan	43.8930N	76.3390E	550	
Kurucasile-Bartin	KURC	Turkey	41.8456N	32.7430E	144	From 2011-12-14
Kurukshetra	KKR	Haryana,India	29.9615N	76.8207E	257	From 1974-01-01
Kurvinen	KU1	Finland	65.5646N	29.5583E	240	From 2003-06-26
Kurzu	KRYG	Georgia,Georgia	42.5826N	42.2841E	310	From 1973-01-01
Kusadasi-Aydin	KUSD	Turkey	37.8604N	27.2868E	321	From 2011-04-20
Kushihara	KHJ	Gifu,Japan	35.2576N	137.4088E	343	
Kushima	JJK	Miyazaki,Japan	31.4800N	131.2847E	235	
Kushima--Naru	JNAR	Miyazaki,Japan	31.5265N	131.2717E	80	
Kushiro	KUSJ	Kushiro,Japan	43.1000N	144.7950E	-30	From 1978-01-01
Kushiro	KSUJ	Kushiro,Japan	43.1000N	144.7950E	-30	From 1978-01-01
Kushiro	KUS	Kushiro,Japan	42.9750N	144.3917E	33	
Kushirohamanaka	JKHN	Kushiro,Japan	43.0828N	145.1608E	48	From 2012-11-01
Kusilvak Mountain	K13K	Alaska,U.S.A.	61.9331N	164.6555W	204	From 2017-05-31
Kuskokwak Creek	N14K	Alaska,U.S.A.	59.9237N	161.6852W	21	From 2017-05-19
Kut	KUT1	Iraq	32.5091N	45.7973E	17	From 2019-01-01
Kuta	KUTA	Papua New Guinea	5.9200S	144.2233E	2017	
Kutahya	KUTH	Turkey	39.3955N	30.0213E	1300	From 2012-03-02
KUTAHYA	AUKUT	Turkey	39.9555N	30.0213E	1085	From 2010-06-20
Ktahya-Domani	DOMA	Turkey	39.7859N	29.6952E	1041	From 2017-12-12
Kutahya, Merkez-Andiz	ANDZ	Turkey	39.5094N	29.8990E	1122	From 2014-11-25
Kutai Barat, Kalimantan Timur, Indonesia	KUKI	Indonesia	0.0847N	115.6625E	85	From 2021-12-31
Kutsugahara	KUT	Hiroshima,Japan	34.9528N	132.8160E	336	From 1968-05-06 to 1974-12-27
Kuturchin	KTRR	Krasnoyarskiy Kray,Russia	54.9377N	94.2144E	350	From 2004-11-26
Kutztown	KTZ	Pennsylvania,U.S.A.	40.5117N	75.7800W	148	From 1967-10-01
Kuujjuarapik	KJKQ	Quebec,Canada	55.2769N	77.7455W	15	From 2011-08-13
Kuujjuuaa	KUQ	Quebec,Canada	58.1090N	68.4113W	54	From 1990-01-21
Kuwus	KMBFM	Indonesia	8.5654S	120.3131E	1215	From 2020-12-31
Kuzuini	KUZU	Turkey	36.7735N	37.0750E	701	From 2007-12-07
Kuzumaki	JKZ	Iwate,Japan	39.9845N	141.3298E	620	
Kverkfjoll	IKVE	Iceland	64.6780N	16.6775W	1786	From 2014-08-21 to 2015-12-16
Kvetna	KVC	Czech Republic	50.2059N	12.5152E	580	From 2003-05-14
Kvichak River	P17K	Alaska,U.S.A.	59.1953N	156.4394W	91	From 2016-05-31
Kvisker	IKVI	Iceland	63.9822N	16.4329W	41	From 2017-10-24
Kwajalein Atoll	KWAJ	Marshall Islands	8.8019N	167.6130E		
Kwandang, Gorontalo	KGCM	Indonesia	0.6397N	122.8516E	32	From 2019-01-01
Kwanting	KWNG	Beijing,China	40.2400N	115.6050E	0	From 1955-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kwethluk River	N15K	Alaska,U.S.A.	60.1686N	160.0921W	449	From 2017-05-20
Kyakhta	KYA	Buryatiya,Russia	50.3667N	106.4500E		
Kyburz Flat	KBF	California,U.S.A.	39.5068N	120.2120W	2079	From 1973-04-01
Kyela	KYLA	Tanzania,United Republic of Tanzania	9.5987S	33.8673E	516	
Kyela	ISOK	Tanzania	9.5090S	33.4944E	1443	From 2013-08-13 to 2015-11-04
Kyle	KYL	Scotland,United Kingdom	57.3197N	5.6506W	105	From 1984-01-01 to 1986-04-18
Kyllini,Ilia,Greece	CLEM	Greece	37.8906N	21.1330E	183	From 2018-09-28
Kymi	S035	Greece	38.6610N	24.1080E	330	
Kymi	KYM1	Greece	38.6338N	24.1057E	218	From 2010-10-01
Kymi, Euboea Island, Greece	KYMI	Greece	38.6331N	24.1001E	258	From 2014-04-01
Kyodong	GODA	Republic of Korea	37.5582N	127.7136E	130	From 2018-03-09
Kyoto	KYO	Kyoto,Japan	35.0117N	135.7350E	42	
Kyparissia	MES3	Greece	37.2488N	21.6725E	87	From 2011-10-14
Kyparissia	KYP2	Greece	37.2498N	21.6669E	34	From 2011-09-01
Kyparissi, Greece	GR32	Greece	36.9671N	22.9876E	75	From 2022-10-04
Kyrgizsay	KGSKZ	Kazakhstan	43.3280N	79.4920E	1368	From 2004-06-03
Ky Son	KSVV	Vietnam	20.8750N	105.3590E	30	From 2005-03-15
Kythira	KTHR	Crete,Greece	36.2447N	22.9939E	315	From 2007-05-01
Kythira Island - Agia Moni	KTHA	Greece	36.2566N	23.0621E	360	From 2013-06-18
Kyungpook national university	GKP2	Republic of Korea	35.8893N	128.6061E	55	From 2019-01-25
Kyusyur	KYU	Sakha,Russia	70.6800N	127.3700E	20	From 1985-01-01
Kyzart	KZA	Kyrgyzstan	42.0778N	75.2496E	3520	
Kyzyl	KZLR	Krasnoyarskiy Kray,Russia	51.7050N	94.4538E	603	From 2003-12-24
Kyzyl-Adyr	KZAD	Kyrgyzstan	42.6590N	71.6000E	900	
Kyzylsau	KZLS	Uzbekistan	41.6538N	69.8747E	1057	
Kzer Tazemourite	M019	Morocco	31.9377N	4.4562W	1095	
Kziot	KZIT	Israel	30.9063N	34.3972E	248	
Kzylasker	KZAKZ	Kazakhstan	43.1360N	76.2240E	1085	From 2004-05-07
L01	L01	East of Mariana Islands	16.5649N	147.4354E	-4576	
L02	L02	East of Mariana Islands	17.2999N	147.4708E	-3536	
L03L	L03L	East of Mariana Islands	17.4826N	147.7443E	-5550	
L04	L04	East of Mariana Islands	17.1203N	148.2102E	-5438	
L05	L05	East of Mariana Islands	17.3007N	148.8521E	-5508	
L07	L07	East of Mariana Islands	18.2091N	147.3175E	-3248	
L08	L08	East of Mariana Islands	18.3498N	148.0492E	-4901	
L29M	L29M	Yukon Territory,Canada	63.1090N	138.1290W	827	From 2016-07-27
La Aguada	AGV	Venezuela	8.5630N	71.0900W	3516	
La Aguada	AGUV	Venezuela	8.5639N	71.0540W	3560	From 2004-11-01
Laak	LCVP	Mindanao	7.8153N	125.7786E	120	
La Almunia	NE11*	Spain	41.4770N	1.3720W	370	
Laase	GOR2	Germany	53.0661N	11.3017E	284	From 2013-11-25
La Banda, Bolivia	BBLB	Bolivia	18.6652S	58.7995W	226	From 2016-08-23
Labasa	LBSA	Fiji	16.5540S	179.2890E	185	
Labassere	LABF	Midi-Pyrenees,France	43.0475N	0.0737E	750	From 1997-03-01
la Bastide-des-Jourdans	BSTF	Provence-Cote d'Azur,France	43.8800N	5.6450E	500	From 2010-07-08
Labazerque-Escapade	EVLE	Midi-Pyrenees	42.7971N	0.0104E	1152	From 2022-12-04
Labe	LABG	Guinea	11.2328N	12.3322W	1130	From 1991-07-01
La Belle	O40A	Missouri,U.S.A.	40.1212N	91.8740W	206	From 2010-12-09 to 2012-09-12
Labete	LBT	Solomon Islands,Papua New Guinea	8.3167S	157.2670E		
Labinsk	LABN	Krasnodarskiy Kray,Russia	44.6413N	40.7236E	290	From 2008-09-26
La Bonita	BONI	Ecuador	0.4528N	77.5290W	2040	From 2012-08-08
La Boquilla	BCIG	Chihuahua	27.5448N	105.4127W	1265	From 2013-11-08
Laboratory Soil Mechanics	LSM1	Greece	40.6281N	22.9600E	-2	From 2012-04-01
Laboratory Soil Mechanics	LSM0	Greece	40.6281N	22.9600E	38	From 2012-04-01
Labor Ovalle	QUEO	Guatemala	14.8712N	91.5143W	2389	From 2015-05-07
Lbrea	LABB	Rondonia	9.3165S	65.6757W	156	From 2019-05-09
Labuha	LBMI	Bacan,Indonesia	0.6379S	127.5008E	114	From 2005-01-01
Labuhan Bajo, Sumatra	LBFI	Flores,Indonesia	8.4800S	119.8900E	123	From 2008-12-01
Lac	LACR	Severo-Osetinskaya,Russia	42.8270N	44.2970E	1271	From 2004-08-13
Lac	LACI	Albania	41.6363N	19.7094E	55	
La Caada	LCND	El Salvador	13.3090N	87.8903W	165	From 2011-11-25
La Canela, Santiago	LOCA	Dominican Republic	19.4770N	70.8529W	210	From 2021-06-10
La Casta Ranch, Jordon	D21A	Montana,U.S.A.	47.0658N	106.9939W	934	From 2008-08-21 to 2010-07-10
Lac Aux requins	LARD	Djibouti	11.5787N	42.5066E	100	From 1999-01-01
Lacayo	LCY	El Salvador	13.4233N	88.2945W	1001	
Lacco Ameno	ILSM	Italia	40.7509N	13.8874E	20	From 2020-10-20
Lac Daplat, Pontiac, MRC	E54A	Quebec,Canada	46.4339N	77.1869W	277	From 2012-09-07
Lac Daran	DAQ	Quebec,Canada	47.9644N	71.2425W	939	From 1988-12-15
Lac Daran	LDAQ	Quebec,Canada	47.9636N	71.2443W	934	From 2017-08-30
Lac de Gras North	LDGN	Northwest Territories,Canada	64.6786N	110.5224W	422	
Lac de Gras South	LGSN	Northwest Territories,Canada	64.3337N	110.1307W	440	
Lac de Lave	LDLD	Djibouti	11.5837N	42.4985E	137	From 1987-01-01
Lac des Isle Mine	LDIO	Ontario,Canada	49.1750N	89.5955W	500	
Lac-des-Plages	DHLQ	Quebec,Canada	45.9963N	74.8853W	193	
Lac du Bonnet	ULM	Manitoba,Canada	50.2497N	95.8750W	281	From 1984-09-04
LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	LBCA	Manitoba,Canada	50.2015N	96.0269W	247	From 1999-05-04
La Ceiba	LCBS	El Salvador	13.6550N	88.9783W	710	From 1991-12-01
La Ceiba	CEIV	Venezuela	9.4098N	71.0359W	4	
Lac Etchemin	E61A	Quebec,Canada	46.4312N	70.4890W	527	From 2013-08-06
Lac Fusel, La Vallee-de-La-Gatineau	D54A	Quebec,Canada	47.1520N	76.6570W	415	From 2012-09-02
La Chapelle	CABF	Franche Comte,France	46.6111N	6.0875E	1070	From 1996-04-03
La Chartreuse	BLCH	Belgium	50.6395N	5.5988E	100	From 1991-02-01
La Chataigneraie	LCHF	Poitou-Charentes,France	46.6693N	0.7417W	166	
La Chaux de Fonds, Flughafen, NE	SLCF	Switzerland	47.0829N	6.7924E	1016	From 2016-08-31
La Chorrera	CHOR3	Panama	8.8985N	79.7650W	80	
La Cienega, Culver City	LCGC	California,U.S.A.	34.0003N	118.3779W	108	
La Clusaz	OG04	Rhone-Alpes,France	45.9137N	6.4380E	1330	From 1991-09-11
Lacona	LCNA	New York,U.S.A.	43.6442N	75.9260W	396	
La Concepcion, N10	TUN10	Nicaragua	12.9992N	86.2675W	620	
La Concha	LHG	Guatemala	14.4450N	91.1825W	600	From 1979-05-01
Laconia	LANH	New Hampshire,U.S.A.	43.5910N	71.4900W	200	
Lacq	LACL	Aquitaine,France	43.4350N	0.7269W	195	
Lacq-Usine	USIL	Aquitaine,France	43.4169N	0.6378W	95	
La Cruz	CRZ1	Costa Rica	11.0723N	85.6352W	270	
La Cruz	LCRUZ	Costa Rica,Costa Rica	11.0788N	85.6302W	242	
La Cruz	CRUC	Colombia	1.5677N	76.9510W	2761	From 1994-01-01
La Cruz	CRZC	Costa Rica	10.9533N	85.5967W	325	
Lac Salanfe	SALAN	Switzerland	46.1441N	6.9730E	1885	From 2001-07-11
Lac Senin/Sanetsch	SENIN	Switzerland	46.3633N	7.2993E	2035	From 2002-02-06
Lac Sinclair, Quebec	LSQ1	Quebec,Canada	45.7898N	76.1525W	215	From 2007-06-30
La Cuchilla	LACU	Venezuela	7.8767N	71.3906W	800	From 1984-01-01
La Cueva	LCV	New Mexico,U.S.A.	35.8828N	106.6740W	2652	From 1973-09-01 to 1999-08-25
La Culata	CUV	Venezuela	8.7490N	71.0600W	2940	
La Cumbre	CMG	Guatemala	14.6707N	89.7853W	1802	
La Cumbre 2	CMG2	Guatemala	14.6608N	89.7867W	1710	From 1988-01-01
La Cumbre Peak	LPC	California,U.S.A.	34.4965N	119.7130W	1190	From 1969-11-01
Lac Vacive, Pontiac, Mrc	D53A	Quebec,Canada	47.0795N	77.7001W	347	From 2012-09-01
La Danta	LADA	Venezuela	7.9389N	71.6131W	1200	From 1984-01-01
Ladd Mountain	LMW	Washington,U.S.A.	46.6680N	122.2910W	1195	From 1975-06-30
Ladeira Grande, Joao Camara	NBLGR	Rio Grande do Norte	5.6199S	35.7888W	161	From 2022-12-07
La Desirade	DEG	Guadeloupe,France	16.3132N	61.0598W	575	From 1988-03-01
La Dsirade Island	GDSD	Guadeloupe,France	16.3128N	61.0660W	270	From 2010-12-10
La Diana	DIAC	Colombia	3.2913N	76.1973W	1520	From 1987-01-01
La Diferencia	DR6	Dominican Republic	19.2328N	70.9915W		
La Diferencia	DR06	Dominican Republic	19.2328N	70.9915W		
Ladik-KONYA	LADK	Turkey	38.2000N	32.3648E	1168	From 2007-06-19
La Diserade, Guadeloupe	DSDZ	Guadeloupe	16.3128N	61.0660W	0	
Ladron	LAZ	New Mexico,U.S.A.	34.4020N	107.1390W	1853	
Ladron Mountain	LAD	New Mexico,U.S.A.	34.4583N	107.0370W	1768	From 1976-01-01
La Druitiere	LDF	Basse-Normandie,France	48.5936N	0.1222W	290	From 1982-09-28
Ladstafel, Nufenenpass, VS	BTNF	Switzerland	46.4774N	8.3692E	1923	From 2018-09-26
Lady	LDJ	Utah,U.S.A.	40.5815N	111.4087W	2217	From 1992-09-30
Ladybower, Peak District	LBWR	England,United Kingdom	53.4016N	1.7248W	353	From 2011-12-08
Lae	LAE	Papua New Guinea	6.6731S	146.9130E	50	From 1966-01-01 to 1970-05-18
Lae	LAT	Papua New Guinea	6.6651S	147.0020E	72	From 1970-05-18
Lae	LUNA	Papua New Guinea	6.7337S	147.0098E	96	From 2012-12-01
Laela	LAEL	Tanzania,United Republic of Tanzania	8.5662S	32.0592E	1598	
Lae--Mount Lunaman	LML	Papua New Guinea	6.7351S	147.0090E	100	From 1979-01-01
Laengenau (near Selb, Bavaria)	LAEN	Baden-Wurttemberg	50.1828N	12.1859E	675	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
La Escarcha	SANJ	Colombia	4.5222N	75.3757W	2400	
La Escondida, Volcan Rincon de la Vieja, Guanaca	VRLE	Costa Rica	10.7883N	85.3652W	921	From 2014-05-23
La Esperanza	TESP	Canary Islands	28.4199N	16.4124W	1398	From 2016-11-04
La Esperanza	EZNC	Colombia	7.6257N	73.3171W	479	From 2014-03-17
La Esperanza, C12	TUC12	Nicaragua	11.6901N	84.3623W	238	
La Esperanza, Chiriqui	LESP3	Panama	8.4060N	82.7900W	46	From 2010-01-01
La Esperanza Intibuca	INTHN	Honduras	14.3137N	88.1035W	2027	From 2016-01-01
La Fare-les-Oliviers - 13037	FLOF	Provence-Cote d'Azur	43.5426N	5.1215E	65	From 2015-06-22
Lafayette	LA-GA	Georgia,U.S.A.	34.8572N	85.4500W	610	From 1965-12-03 to 1965-12-13
Lafayette	LAF	Rhode Island,U.S.A.	41.5508N	71.5067W	40	From 1976-03-25 to 1977-06-10
Lafayette	LA-	Georgia,U.S.A.	34.8572N	85.4500W	610	From 1965-12-03 to 1965-12-13
Lafayette	SFIN	Indiana,U.S.A.	40.3790N	87.0967W	165	From 2008-10-09
Lafionas (Lesvos)	LES3	Greece	39.3032N	26.1806E	218	From 2023-10-13
La Foliniere	FLN	Basse-Normandie,France	48.7625N	0.4819W	240	
La Follette	LF-TN	Tennessee,U.S.A.	36.4697N	83.8286W	366	
La Follette	LF-	Tennessee,U.S.A.	36.4697N	83.8286W	366	
La Follette	U51A	Tennessee,U.S.A.	36.3786N	84.0165W	472	From 2012-05-30
La Font de la Figuera	E045	Spain	38.7793N	0.8590W	701	
La Foret Royale	FRF	Provence-Cote d'Azur,France	43.5607N	6.6468E	310	From 1981-07-01
La Fortuna	SGBR	Costa Rica,Costa Rica	10.4770N	84.7602W	490	
La Fortuna	TUNA	Costa Rica,Costa Rica	10.4690N	84.6440W	266	
La Frestale	LFF	Aquitaine,France	44.9395N	0.7402E	200	From 1985-07-17
La Fuente	LFU	El Salvador	13.7487N	89.1138W	732	
La Fuente	LORF	Costa Rica	10.0432N	83.7268W	2430	
Lagafell	ILFE	Iceland	63.8839N	22.5356W	66	From 2020-02-06
Lagar	ILAG	Iceland	63.9049N	22.4885W	84	From 2020-01-28
La Garita, S28	SCR28	Colorado	37.8955N	106.3864W	2623	
Lagarterita	LGT	Panama	9.0745N	79.9150W	50	
Lagarto - SE	NBLA	Sergipe,Brazil	10.9925S	37.7890W	192	From 2011-09-03
Lageado - TO	LJDO	Tocantins,Brazil	9.7698S	48.2893W	273	From 2011-06-26
Laghdir	M005	Morocco	35.0247N	5.4032W	204	
lAGKADAS	LGD1	Greece	40.7490N	23.0650E	85	From 2008-09-30
Lagoa	POVGA	Azores	37.7428N	25.5883W	11	From 2016-09-09
Lagoa das Contendas	PGRON	Azores	37.7705N	25.3747W	600	From 2016-06-24
Lagoa do Cedro	LSLC	Ceara	4.3156S	38.3912W	72	From 2023-08-14
Lagoa do Fogo	LFA	Azores,Portugal	37.7726N	25.4831W	693	From 1981-01-01
Lago Colima	CLMC	Colombia	3.8814N	76.5630W	1480	From 1988-11-01
Lago Cote	COTE	Costa Rica,Costa Rica	10.5753N	84.9162W	679	
Lago de Cote	AR2	Costa Rica	10.5614N	84.8933W	763	
Lagodekhi	LGD	Georgia,Georgia	41.8347N	46.2423E	420	From 1968-01-01
Lago del Careser	CARE	Trentino,Italy	46.4252N	10.6945E	2605	From 2002-08-10
Lago del Serru	LSD	Italy	45.4595N	7.1343E	2285	From 1985-01-01
La Gomera	EGOM	Canary Islands,Spain	28.1594N	17.2096W	0	From 2003-05-19
La Gonave Hosp	WSYH	Haiti	18.8330N	72.8628W	29	
Lagonegro	LGGR	Italy	40.1226N	15.7611E	645	From 2023-05-30
Lago Pertusillo	LAPEE	Italy	40.2911N	15.9549E	568	From 2021-06-14
Lagor	LAGL	Aquitaine,France	43.4061N	0.6650W	190	
Lago Ritom (SBB)	RITOM	Switzerland	46.5345N	8.6780E	1822	From 2005-12-15
Lagos	PLAGO	Portugal	37.0958N	8.6879W	21	From 2015-04-14
La Grand CA	LEGD	California	37.2144N	120.1492W	94	From 2018-09-01
La Grande	LBQ	Quebec,Canada	53.5360N	77.3540W	183	From 1979-07-27
La Grande	LDQ	Quebec,Canada	53.8061N	77.4281W	198	
La Grande	LAQ	Quebec,Canada	53.8073N	77.0200W	183	From 1978-10-15
La Grande	LCQ	Quebec,Canada	53.5411N	76.9731W	293	From 1978-10-13
La Grande	LGQ	Quebec,Canada	53.6920N	77.7250W	190	From 1976-08-04 to 1980-05-17
La Grande	LGOR	Oregon,U.S.A.	45.2164N	118.0010W	1200	From 1991-07-01
La Grande	LTQ	Quebec,Canada	53.7017N	76.0850W	313	From 1980-05-01 to 1982-11-17
La Grande 3	JBQ	Quebec,Canada	53.6103N	75.6053W	381	
La Grande 3	LRQ	Quebec,Canada	53.7014N	76.0589W	284	From 1984-04-02
La Grande 3	JAQ	Quebec,Canada	53.8022N	75.7211W	366	From 1981-03-23 to 1999-08-25
La Grande 3	JCQ	Quebec,Canada	53.4672N	75.8242W	320	
La Grande 3	LXQ	Quebec,Canada	53.7223N	76.0222W	195	From 1986-12-16
La Grande 4	LQQ	Quebec,Canada	53.8458N	73.4883W	311	From 1983-02-23 to 1984-03-11
La Grande 4	KCQ	Quebec,Canada	53.8328N	73.1319W	457	From 1983-01-01 to 1984-03-11
La Grande 4	KBQ	Quebec,Canada	53.9778N	73.2850W	472	From 1983-01-01 to 1984-03-11
La Grande 4	LG4Q	Quebec,Canada	53.6269N	74.0972W	168	
La Grande 4	KAQ	Quebec,Canada	53.9833N	73.5230W	472	From 1983-01-01 to 1984-03-12
La Grange	LGAR	Arkansas,U.S.A.	34.6520N	90.6560W	100	From 1979-08-07
La Guardia	BB02	Bolivia	17.8982S	63.3242W	528	From 2011-11-14
Lagu-Hvolar	IHVO	Iceland	63.5260N	18.8480W	196	From 1999-10-20
Laguna Cedeo	CEDE	Costa Rica	10.4868N	84.7035W	686	From 2000-01-01
Laguna Cube	LGCB	Ecuador	0.3821N	79.5753W	160	From 2008-12-03
Laguna Mountains	LGA	Arizona,U.S.A.	32.7597N	114.4930W	68	
Laguna Peak, Port Hueneme	BLG	California,U.S.A.	34.1082N	119.0659W	416	From 1999-06-13
Laguna Tiscapa	TISN	Nicaragua	12.1425N	86.2693W	200	
Laguna Verde	LAV	Valparaiso,Chile	33.0874S	71.7462W	60	
Laguna Verde	LVVM	Veracruz,Mexico	19.7380N	96.4488W		From 1988-01-01
Laguna Verde	LVIG	Veracruz,Mexico	19.7232N	96.4177W	41	
Laguneta	LAGU	Venezuela	9.7700N	69.7650W	800	From 1986-01-01
Lagunillas	LAGV	Venezuela	10.2239N	71.1593W	100	
Lagunillas	LGN	Venezuela	10.1450N	71.2700W	-3	From 1969-08-01
Lagunnoye	LAGR	Sakhalinskaya Oblast',Russia	44.0556N	145.7861E	28	From 2011-09-20
Lahad Datu	MYLDM	Sabah,Malaysia	5.1800N	118.5000E	0	From 2006-03-24
Lahat	LHSI	Sumatera,Indonesia	3.8267S	103.5233E	0	From 2007-12-01
La Hesperia	HSPR	Ecuador	0.3515S	78.8502W	1387	From 2008-11-24
Lahijan	LHJ1	Iran	37.1561N	50.1005E	669	From 2015-07-13
Lahijan - Gilan	LHJ2	Iran	37.1664N	50.0616E	79	From 2015-12-23
La Honda	LT5	California,U.S.A.	37.3313N	122.2800W	226	From 1966-12-18 to 1970-05-01
Lahore	LAH	Pakistan	31.5500N	74.3333E	210	From 1952-01-01 to 1968-12-31
Laichau	LUV	Vietnam	22.0519N	103.1590E	1100	
Lai Chau	LCVN	Vietnam	22.0387N	103.1543E	1100	
L'Aileron	AIL	Martinique,France	14.8010N	61.1080W	879	From 1971-03-01 to 1999-08-25
Lailor River, Nunavut	LAIN	Northwest Territories,Canada	69.1086N	83.5361W	320	From 2005-08-18
Laimos Florinas	LMS2	Greece	40.8350N	21.1418E	923	From 2012-09-01
La Independencia	AGZ	Colombia	4.9350N	72.4670W	223	
Lainea, Sulawesi Tenggara	PKCI	Indonesia	4.3507S	122.3436E	201	From 2019-01-01
Laino Castello	LC22	Italy	39.9364N	15.9779E	550	From 2017-02-16
Laino Castello	T0721	Italy	39.9369N	15.9769E	538	
Laino Castello (CS)	LAICA	Italy	39.9485N	15.9751E	349	From 2022-12-02
LA ISLA	SESM	Ecuador	0.4999S	80.0159W	170	From 2016-05-14
LAJ2	LAJ2	Tocantins	9.8903S	48.3860W	283	From 2022-05-02
Laja	LAJA	Bio-Bio	37.2809S	72.7112W	84	From 2013-06-20
Lajas Adentro	SCZLJ	Panama	8.1906N	81.9060W	38	
Lajas Hojancha	CMARA	Costa Rica,Costa Rica	10.0195N	85.4235W	629	
Lajes	PLAJ	Azores	38.4019N	28.2539W	63	From 2016-04-07
Lajes	ALML	Azores	38.4005N	28.2538W	20	
Lajitas	LTX	Texas,U.S.A.	29.3339N	103.6670W	1013	From 1984-09-12
Lajitas Array Beam Reference Point	TXAR	Texas,U.S.A.	29.3338N	103.6670W	1013	
Lajitas Array Site 10	TX10	Texas,U.S.A.	29.3307N	103.7025W	1033	
Lajitas Array Site 11	TX11	Texas,U.S.A.	29.3343N	103.6676W	1021	From 2006-08-02
Lajitas Array Site 2	TX02	Texas,U.S.A.	29.3297N	103.6575W	952	
Lajitas Array Site 3	TX03	Texas,U.S.A.	29.3310N	103.6740W	990	
Lajitas Array Site 32	TX32	Texas,U.S.A.	29.3340N	103.6677W	1013	From 2006-08-02
Lajitas Array Site 4	TX04	Texas,U.S.A.	29.3397N	103.6672W	1013	
Lajitas Array Site 5	TX05	Texas,U.S.A.	29.3202N	103.6523W	957	
Lajitas Array Site 6	TX06	Texas,U.S.A.	29.3187N	103.6815W	1007	
Lajitas Array Site 7	TX07	Texas,U.S.A.	29.3397N	103.6890W	1038	
Lajitas Array Site 8	TX08	Texas,U.S.A.	29.3510N	103.6765W	1015	
Lajitas Array Site 9	TX09	Texas,U.S.A.	29.3433N	103.6598W	1001	
Lajitas Ar. Site	TX31	Texas,U.S.A.	29.3342N	103.6678W	1025	
Lajitas Ar. Site	TX00	Texas,U.S.A.	29.3338N	103.6670W	1013	
Lajitas B3	LTB3	Texas,U.S.A.	29.3397N	103.6672W	1013	
La Jolla	LJC	California,U.S.A.	32.8633N	117.2530W	8	From 1927-05-05 to 1975-11-30
La Jonquera	EJON	Spain	42.4487N	2.8886E	570	
La Joya	LAJO	Bolivia	17.7777S	67.4777W	3788	From 1994-05-30 to 1995-05-06
La Joya	LJY	New Mexico,U.S.A.	34.3365N	106.8960W	1532	
La Joyeuse, Anse Bertrand	ABD	Guadeloupe,France	16.4743N	61.4881W	10	From 2012-09-17
La Junta	LJUN	Patagonia	43.9933S	72.4623W	306	From 2010-01-01
Lakadia	LAKD	Gujarat,India	23.2051N	70.3445E	71	From 2012-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lakatoro	VLAKA	Vanuatu	16.1055S	167.4218E	14	
Lake	LKWY	Wyoming,U.S.A.	44.5652N	110.4000W	2424	From 1995-10-19
Lakebay	D04E	Washington,U.S.A.	47.1786N	122.7715W	45	From 2012-10-11
Lakebay	D04D	Washington,U.S.A.	47.1786N	122.7723W	37	From 2010-08-19
Lake Benmore	LBZ	South Island,New Zealand	44.3856S	170.1844E	438	From 2004-06-04
Lake Britton	BRIT	California	41.0353N	121.6497W	856	From 2020-06-01
Lake Butler	556A	Florida,U.S.A.	30.0015N	82.4057W	45	From 2012-02-06
Lake Butte	YPLB	Wyoming,U.S.A.	44.5113N	110.2720W	2565	
Lake Butte	YPLA	Wyoming,U.S.A.	44.5127N	110.2687W	2580	
Lake Cedric, Chanute	S36A	Kansas,U.S.A.	37.7240N	95.5923W	299	From 2010-03-16 to 2012-03-02
Lake Chabot	LKC	California,U.S.A.	37.7380N	122.0640W	312	From 1972-11-21 to 2008-07-16
Lake Chabot	CLCM	California,U.S.A.	37.7380N	122.0640W	312	From 1972-11-21 to 2008-07-16
Lake Chabot	CLCB	California,U.S.A.	37.7379N	122.0649W	309	
Lake Charles	541A	Louisiana,U.S.A.	30.0596N	93.1875W	0	From 2011-02-26 to 2012-12-06
Lake Charles	LCAR	Arkansas,U.S.A.	36.0695N	91.1543W	103	
Lake City, S08	SCR08	Colorado	38.0313N	107.3074W	2658	
Lake County Forest Preserve, Grayslake	L44A	Illinois,U.S.A.	42.1782N	87.9119W	202	From 2011-10-10
Lake De Bois	LDBN	Northwest Territories,Canada	66.7219N	124.9431W	294	From 2010-07-17
Lake Erie Bluffs Ohio	LEBO	Ohio	41.7858N	81.1803W	187	From 2016-08-24
Lake Erie College	LECO	Ohio,U.S.A.	41.7090N	81.2500W	204	
Lake Grace	LKGR	Western Australia,Australia	33.1036S	118.4590E	295	From 2011-01-28
Lake Granby, Granby	O23A	Colorado,U.S.A.	40.2109N	105.9178W	2635	From 2008-07-06 to 2010-06-14
Lakehead University	LHC	Ontario,Canada	48.4167N	89.2667W	196	From 1969-02-28 to 1986-09-24
Lake Helen	758A	Florida,U.S.A.	28.9621N	81.1996W	16	From 2012-02-13
Lake Helena	LHM	Montana,U.S.A.	46.6756N	111.9430W	1117	From 1974-10-09 to 1976-10-04
Lake Herman	NLHM	California,U.S.A.	38.1198N	122.1480W	177	
Lake Hughes	LHU	California,U.S.A.	34.6710N	118.4110W	1036	From 1976-06-01
Lake Jocassee	BG3	South Carolina,U.S.A.	34.9930N	82.9317W	384	
Lake Jocassee	CASEE	South Carolina,U.S.A.	34.9930N	82.9317W	385	From 2013-11-20
Lake Junction	YPLK	Wyoming,U.S.A.	44.5697N	110.3865W	2390	
Lakeland CC	LCCO	Ohio,U.S.A.	41.6380N	81.3640W	231	
Lakeland CC 2, Kirtland	LCCO2	Ohio,U.S.A.	41.6390N	81.3570W	245	
Lake La Su An	LLSO	Ohio	41.6827N	84.6440W	280	From 2021-07-01 to 2500-12-31
Lake Magadi	MALJ	Tanzania,United Republic of Tanzania	3.1913S	35.4707E	2360	
Lake Malawi, 103B	LM103	Malawi	9.7159S	34.1118E	-500	
Lake Malawi, 107	LM107	Malawi	10.0484S	34.2981E	-450	From 2015-02-28 to 2015-04-21
Lake Malawi, 108	LM108	Malawi	10.1336S	34.3451E	-466	From 2015-02-28 to 2015-04-21
Lake Malawi, 109	LM109	Malawi	10.2180S	34.3922E	-492	From 2015-02-28 to 2015-04-21
Lake Malawi, 110B	LM110	Malawi	10.3224S	34.3960E	-485	From 2015-02-28 to 2015-10-25
Lake Malawi, 111	LM111	Malawi	10.4263S	34.4103E	-458	From 2015-02-28 to 2015-04-21
Lake Malawi, 112	LM112	Malawi	10.5291S	34.4035E	-454	From 2015-02-28 to 2015-04-21
Lake Malawi, 113	LM113	Malawi	10.6331S	34.4069E	-472	From 2015-02-28 to 2015-04-16
Lake Malawi, 114	LM114	Malawi	10.7366S	34.4101E	-514	From 2015-02-28 to 2015-04-16
Lake Malawi, 115	LM115	Malawi	10.8407S	34.4136E	-563	From 2015-02-27 to 2015-04-16
Lake Malawi, 116	LM116	Malawi	10.9653S	34.4190E	-679	From 2015-02-27 to 2015-04-16
Lake Malawi, 117	LM117	Malawi	11.0888S	34.4269E	-683	From 2015-02-27 to 2015-04-16
Lake Malawi, 118B	LM118	Malawi	11.2140S	34.4297E	-605	From 2015-02-27 to 2015-10-25
Lake Malawi, 119	LM119	Malawi	11.3357S	34.4437E	-560	From 2015-02-27 to 2015-04-16
Lake Malawi, 120	LM120	Malawi	11.4558S	34.4369E	-518	From 2015-02-27 to 2015-04-16
Lake Malawi, 121	LM121	Malawi	11.5987S	34.4413E	-450	From 2015-02-27 to 2015-04-18
Lake Malawi, 203B	LM203	Malawi	10.0314S	34.1577E	-500	
Lake Malawi, 206B	LM206	Malawi	9.9119S	34.3199E	-500	
Lake Malawi, 301	LM301	Malawi	10.8588S	34.2593E	-500	From 2015-02-28 to 2015-04-20
Lake Malawi, 302B	LM302	Malawi	10.8528S	34.3080E	-512	From 2015-02-28 to 2015-10-25
Lake Malawi, 303	LM303	Malawi	10.8474S	34.3593E	-584	From 2015-02-28 to 2015-04-20
Lake Margaret	MARG	Tasmania,Australia	41.9995S	145.5516E	700	
Lake Mead	LM-NV	Nevada,U.S.A.	36.5825N	114.5353W	536	From 1961-11-25 to 1962-05-14
Lake Mead	LM-	Nevada,U.S.A.	36.5825N	114.5353W	536	From 1961-11-25 to 1962-05-14
Lake Mikany	MIKA	Tasmania,Australia	40.8781S	145.1811E	40	
Lake Minchumina	CHUM	Alaska,U.S.A.	63.8827N	152.3152W	217	From 2004-06-02
Lake Moeraki	LMZ	South Island,New Zealand	43.7150S	169.2696E	10	From 1990-11-08 to 2004-07-31
Lake Mountain	LMU	Utah,U.S.A.	40.2831N	111.9370W	2316	From 1974-09-01 to 1980-03-31
Lake Mountain	LMUT	Utah,U.S.A.	40.3151N	111.9320W	1593	
Lake Muir 02	LM02	Western Australia	34.4929S	116.6405E	249	From 2018-09-18 to 2019-02-15
Lake Muir 03	LM03	Western Australia	34.3677S	116.9292E	249	From 2018-09-18 to 2019-02-15
Lake Muir 04	LM04	Western Australia	34.3380S	116.6453E	249	From 2018-09-18 to 2019-02-15
Lake Muir 05	LM05	Western Australia	34.3834S	116.3249E	249	From 2018-09-21 to 2019-02-15
Lake Natron SS	LN25	Tanzania	2.5006S	35.8864E	623	From 2013-01-19 to 2014-12-05
Lake Ozonia	LONY	New York,U.S.A.	44.6197N	74.5829W	440	From 2005-10-06
Lake Ozonia	LOZ	New York,U.S.A.	44.6197N	74.5829W	440	
Lake Rotoehu	LRONZ	New Zealand	38.0637S	176.5545E	475	
Lake Rotokare	LREZ	North Island,New Zealand	39.4602S	174.4027E	165	From 2010-01-27
Lake Saint Peter	G54A	Ontario,Canada	45.3979N	78.0898W	465	From 2013-07-22
Lakeshore Drive, S. Francisco	J061	California,U.S.A.	37.7306N	122.4974W	22	
Lake Shores	LSU	Utah,U.S.A.	40.1322N	111.7301W	1375	
Lakeside	LSCT	Connecticut,U.S.A.	41.6784N	73.2244W	318	From 1993-08-04 to 2007-02-06
Lake Sumner Road	LSRC	South Island,New Zealand	42.8695S	172.5433E	335	From 2004-11-28
Lake Taylor	LTZ	South Island,New Zealand	42.7816S	172.2710E	648	From 1989-10-12
Lakeview	L05A	Oregon,U.S.A.	42.0472N	120.8336W	1751	From 2006-06-16 to 2007-10-24
Lakeview	LKVW	Oregon,U.S.A.	42.2242N	120.3596W	1512	From 2007-05-01
Lakeview Peak	LVP	Washington,U.S.A.	46.0683N	122.4080W	1170	
Lakeview Retreat	LRAL	Alabama,U.S.A.	33.0348N	86.9978W	130	From 2001-07-02
Lake Wenatchee	LW-	Washington,U.S.A.	47.8456N	120.9017W	762	
Lake Wenatchee	LW-WA	Washington,U.S.A.	47.8456N	120.9017W	762	
Lake Whitney, Meridian	WHTX	Texas,U.S.A.	31.9913N	97.4561W	190	From 2009-02-11
Lake Wisdom	LKW	Papua New Guinea	5.3350S	147.0650E	150	
Lake Woodford	WOOD	New South Wales,Australia	33.6979S	150.4855E	420	
Lakewood Golf Course	LGC	California,U.S.A.	33.8358N	118.1500W	17	From 1971-07-07 to 1974-03-15
Lakey Bradford Hills	LAKY	Victoria	36.9014S	144.0358E	220	From 1991-05-03
Lakin, McCloud, CA USA	LAKN	California	41.3718N	121.5570W	1241	From 2020-08-01
Lakka	LAKA	Greece,Greece	38.2401N	21.9785E	505	From 2008-01-01
Lalabati Rilau, Sulawesi Selatan	LSCM	Indonesia	4.3650S	119.8987E	109	From 2019-01-01
La Laguna	LLGN	El Salvador	14.1626N	88.9445W	919	
Lale Fork Canyon	LFC	New Mexico,U.S.A.	35.8769N	106.6650W	2451	
Lalibel	LALE	Ethiopia	12.0258N	39.0375E	2422	
La Libertad	ALIBE	Ecuador	2.2428S	80.8464W	40	From 2010-08-05
La Lindora	LSOL	Costa Rica	10.2817N	84.8428W	1075	From 2004-01-01
La Loma 1 Canario Temporal	LL1C	Colombia	9.5420N	73.5550W	49	From 2014-10-03
La Loma 2 Canario Temporal	LL2C	Colombia	9.5553N	73.4386W	78	From 2014-09-19 to 2015-10-06
La Loma 3 Canario Temporal	LL3C	Colombia	9.7267N	73.4129W	118	From 2014-10-03 to 2015-06-04
La Loma 5 El Paso	LL5C	Colombia	9.7497N	73.7211W	55	From 2015-10-14
La Loma 6 Becerril	LL6C	Colombia	9.7353N	73.2706W	158	From 2015-10-08
La Loma 7 Curumani	LL7C	Colombia	9.3394N	73.4372W	140	From 2015-10-11
La Loma 8 Chimichagua	LL8C	Colombia	9.3392N	73.7969W	58	From 2015-10-18
La Lomita	R8CCA	Managua,Nicaragua	12.1137N	86.2507W	130	From 2018-03-02 to 2019-02-28
La Lomota	DR5	Dominican Republic	19.6349N	70.8596W		
La Lomota	DR05	Dominican Republic	19.6349N	70.8596W	660	
La Lucha	LCR	Costa Rica	9.7384N	84.0016W	1400	From 1978-01-01 to 1982-11-30
La Lucha 2	LCR2	Costa Rica	9.7415N	84.0053W	26	From 1982-11-01
La Lucha Farm	LLC	Costa Rica	9.6654N	83.9991W	1400	From 1966-02-01 to 1978-01-31
Lama dei Peligni	LPEL	Italy	42.0468N	14.1832E	760	From 2008-04-11
LAMA DEI PELIGNI	LDP	Italy	42.0392N	14.1826E	766	From 2003-01-29
La Malbaie	LMBQ	Quebec,Canada	47.4700N	70.1500W	0	From 1979-09-19
La Malbaie	LMQ	Quebec,Canada	47.5483N	70.3267W	419	From 1976-11-04
Lamap	LMP	Vanuatu	16.4256S	167.8000E	60	
La Marquesa	INVM	Mexico D.F.	19.2912N	99.3827W	3068	
La Martella	LAS20	Italia	40.6687N	16.5355E	210	From 2017-08-05
La Mascota	R0529	Managua,Nicaragua	12.1237N	86.2373W	130	From 2018-02-17
Lamas de Olo	POLO	Portugal	41.3738N	7.7942W	1060	From 2008-10-29
Lambert	C23A	Montana,U.S.A.	47.8026N	105.1844W	729	From 2008-09-09 to 2011-01-13
Lambert Chapel	LCAL	Alabama,U.S.A.	34.5225N	85.6302W	544	From 1983-02-24 to 1985-12-03
Lambert Place Union City	C060	California,U.S.A.	37.5848N	122.0271W	3	From 2012-03-08
Lambom Island	ELB	New Ireland,Papua New Guinea	4.8038S	152.8300E	10	
Lamborn Mesa, Paonia	Q21A	Colorado,U.S.A.	38.8347N	107.5738W	1881	From 2007-12-04 to 2010-02-07
Lambtecht Ranch, Loup City	M31A	Nebraska,U.S.A.	41.3440N	98.9766W	699	From 2009-09-09 to 2011-08-18
Lambu	LBNFM	Indonesia	8.6018S	119.0121E	71	
Lamerd	LMD1	Iran	27.3398N	53.1646E	425	From 2013-05-20
La Mesa Andrade	LMX	Sonora,Mexico	32.1087N	114.9600W		From 1988-01-01
La Mesa, Veraguas	MESA3	Panama	8.1480N	81.1850W	84	From 2010-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lamia	LAM2	Greece	38.9023N	22.4316E	106	From 2014-10-15
La Mica	VNTA	Guerrero	16.9143N	99.8188W	62	
Lamington	LMG	Papua New Guinea	8.9083S	148.1500E	1200	From 1970-01-01
Lamocks	LMC	Guangdong,China	23.2667N	117.2830E		
La Montaesa	LMCA	Uruguay	34.7246S	55.8839W	59	From 2021-08-07
La Morita, N8	TUN8	Nicaragua	12.7007N	86.4173W	141	
La Mourre	LMR	Provence-Cote d'Azur,France	43.3339N	6.5092E	200	
Lampalashi	LMPH	Georgia	42.8024N	43.0320E	1551	From 2021-09-24
Lampang	LAMP	Thailand	18.5226N	99.6322E	246	
Lampang	LPT	Thailand	18.2167N	99.5500E	0	From 1976-02-01 to 1978-08-31
Lampedusa	LPD	Italy	35.5114N	12.5951E	20	From 1989-05-01
Lampedusa Capo Grecale	LPDG	Sicily,Italy	35.5183N	12.6302E	49	From 2012-09-17
Lampeter	LPW	Wales,United Kingdom	52.1136N	4.0681W	152	
Lamto	LIC	Ivory Coast	6.2244N	5.0278W	105	From 1965-06-01
La Murta	EMUR	Spain	37.8422N	1.2405W	574	
Lanans	LANAN	France	47.2975N	6.4370E	494	From 2018-06-21 to 2020-01-01
Lancaster	LANC	California,U.S.A.	34.7270N	118.0510W	719	
Landau	LDE	Germany	49.1765N	8.1409E	10	
Landau	INS4	Germany	49.1946N	8.1109E	146	From 2012-09-19 to 2015-02-13
Landau	INS4B	Germany	49.1928N	8.1115E	145	From 2014-12-09
Landau	LDO	Germany	49.2080N	8.1732E	28	
Land-Between-the-Lakes	LLKY	Kentucky,U.S.A.	36.9220N	88.0970W	177	From 1985-01-01
Landels Hill-Big Creek Nat. Reserve, California	LAND	California	36.0588N	121.5877W	170	From 2018-09-01
Lander Cutoff	ID10	Wyoming,U.S.A.	42.5186N	110.8919W	2252	From 2017-09-12 to 2017-10-26
Landers	LAC	California,U.S.A.	34.3898N	116.4120W	792	From 1968-08-01
Landfair	LDFC	California,U.S.A.	35.0781N	115.1096W	1209	
Landman Farms, Northwood	C31A	North Dakota,U.S.A.	47.7927N	97.7336W	384	From 2010-08-23 to 2012-06-25
Lands Inn, Kimberly	H07A	Oregon,U.S.A.	44.5913N	119.5646W	1204	From 2006-08-15 to 2008-04-18
Landslide	LSW	Washington,U.S.A.	46.4813N	119.2453W	262	From 1970-06-01 to 1971-10-31
Lane BPA Site-SMO	LANE	Oregon,U.S.A.	44.0517N	123.2331W	120	From 2001-01-17
Lanestosa	ELAN	Spain	43.2317N	3.4340W	633	From 2003-03-28
Langara Island	LIB	British Columbia,Canada	54.2558N	133.0580W	35	From 1984-09-12
Langauhaeuser, Niederoesterreich	A015A	Austria	48.9334N	14.9936E	500	From 2015-09-07
Lang Chanh	LAVN	Vietnam	20.1532N	105.2475E	50	From 2003-01-01
Lang Chanh	LAVB	Vietnam	20.1512N	105.2587E	70	
Langenberg	LANF	Alsace,France	48.9806N	7.8053E	500	
Langenfeld Brothers Farm, Elkhart Lake	I43A	Wisconsin,U.S.A.	43.8844N	88.1460W	299	From 2011-10-11 to 2013-06-03
Langenfeld Grube Bendisberg	LAGB	Germany	50.3608N	7.1007E	372	From 2013-06-06
Langenwang	A012A	Austria	47.6040N	15.5860E	1280	From 2015-07-02
Langgikima	LKUCM	Indonesia	3.3020S	122.1920E	60	From 2020-12-31
Langhirano	LNGO	Italy	44.6553N	10.3133E	203	
Langila	LAG	New Britain,Papua New Guinea	5.4556S	148.4330E	24	
Langke Rembong, Nusa Tenggara Timur	LMTI	Indonesia	8.6011S	120.4771E	1145	From 2019-01-01
Lang Ngam	LNVN	Vietnam	21.0770N	106.1540E	50	
Langsa, Aceh	LASI	Sumatera,Indonesia	4.4572N	97.9704E	13	
Lang Son station	LSVB	Vietnam	21.8527N	106.7492E	285	From 2006-01-01
Lankaran	LNK	Azerbaijan	38.7500N	48.8600E	-18	From 1949-01-01 to 1984-01-01
Lannach	A020A	Austria	46.9484N	15.2994E	390	From 2015-10-01
Lannavaara	LANU	Sweden	68.0473N	21.9962E	500	From 2004-08-07
Lanshu	TWI	Taiwan region	22.0683N	120.5050E	20	From 1974-09-12
Lanslevillard	LNS	Rhone-Alpes,France	45.2889N	6.9147E	1480	
Lant Hill Farm, Argyle	J60A	New York,U.S.A.	43.2438N	73.4212W	265	From 2013-09-17
Lanuvio	LAV9	Italy	41.6778N	12.6989E	300	From 2000-06-07
Lan-yu	LAY	Taiwan region	22.0387N	121.5510E	324	
Lan-yu	LYUB	Taiwan region	22.0017N	121.5840E	40	
Lanzarote	CLAN	Canary Islands,Spain	29.1031N	13.4761W	356	
Lanzhou	LZH	Gansu,China	36.0867N	103.8440E	1560	
Lanzhou	LAN	Gansu,China	36.0500N	103.8330E	1518	
Lanzhou	LCC	Gansu,China	36.0833N	103.6670E	1600	
Lanzhou Array Beam Reference Point	LZDM	China (Mainland)	35.9563N	103.6956E	2760	
LANZHOU ARRAY SITE A0	LZA0	China,China	35.9563N	103.6983E	2790	From 2008-10-16
LANZHOU ARRAY SITE A1	LZA1	China,China	35.9590N	103.6983E	2569	From 2008-10-16
LANZHOU ARRAY SITE A2	LZA2	China,China	35.9549N	103.7004E	2719	From 2008-10-16
LANZHOU ARRAY SITE A3	LZA3	China,China	35.9528N	103.6943E	2715	From 2008-10-16
LANZHOU ARRAY SITE B1	LZB1	China,China	35.9648N	103.7070E	2330	From 2008-10-16
LANZHOU ARRAY SITE B2	LZB2	China,China	35.9524N	103.7115E	2559	From 2008-10-16
LANZHOU ARRAY SITE B3	LZB3	China,China	35.9455N	103.6940E	2547	From 2008-10-16
LANZHOU ARRAY SITE B4	LZB4	China,China	35.9530N	103.6801E	2714	From 2008-10-16
LANZHOU ARRAY SITE B5	LZB5	China,China	35.9690N	103.6913E	2538	From 2008-10-16
LANZHOU ARRAY SITE BB	LZBB	China,China	35.9455N	103.6940E	2789	From 2008-10-16
La Orotava (Tenerife)	CCHO	Canary Islands	28.2252N	16.6737W	2070	From 2018-11-26
La Orotava (Tenerife)	CPVI	Canary Islands	28.2619N	16.6609W	3040	From 2018-11-27
La Orotava (Tenerife)	CDIE	Canary Islands	28.2850N	16.5593W	2087	From 2018-05-22
La Palma	EXILP	Canary Islands	28.6608N	17.9073W	363	
La Palma	LPS	El Salvador	14.2922N	89.1619W	1000	
La Palud, 99127, Vallee D'aoste, Italy	CI20	Italy	45.8203N	6.9635E	1503	
Lapao	NBLP	Bahia	11.4148S	41.7587W	813	From 2023-03-21
La Parita Creek, Jourdanton	734A	Texas,U.S.A.	28.8473N	98.5576W	121	From 2009-12-02 to 2011-10-11
La Paz	BS00	Bolivia	16.4940S	68.1344W	3669	From 2014-01-01
La Paz	LPIG	Baja California,Mexico	24.1020N	110.3080W	46	
La Paz	LZ-BV	Bolivia	16.2586S	68.4797W	3993	
La Paz	LZ-	Bolivia	16.2586S	68.4797W	3993	
La Paz	LPAZ	Bolivia	16.2879S	68.1307W	4774	
La Paz	LPX	Baja California,Mexico	24.1293N	110.4310W	7	From 2006-12-09
La Paz	LAP	Baja California,Mexico	24.1600N	110.2800W	65	
La Paz	LPB	Bolivia	16.5327S	68.0984W	3292	From 1962-02-01
La Paz, Banderani	BBOB	Bolivia	16.1410S	68.1325W	3960	From 1975-01-01
La Paz, Chanca	BBOE	Bolivia	16.8127S	67.9832W	4325	From 1982-01-01
La Paz, Cordoba	LPCA	Cordoba	32.2163S	65.0242W	858	From 2021-07-01
La Paz, Gloria	BBOD	Bolivia	16.6374S	68.5981W	4230	From 1986-01-01
La Paz, Jacaque	BBOJ	Bolivia	16.9751S	68.1915W	4125	From 2008-04-12
La Pedrera	LAPE	Venezuela	7.5580N	71.5756W	327	From 1984-01-01
La Peregrina	LPR	Puerto Rico	18.3086N	65.8697W	580	From 1976-08-10 to 1999-08-25
La Picada, Volcan Turrialba	PICA	Costa Rica	10.0255N	83.7858W	2565	From 1984-04-01
LA PILA	LAPI	Ecuador	1.1338S	80.5841W	288	From 2016-05-16
La Plagne	LPG	Rhone-Alpes,France	45.4977N	6.7514E	2570	From 1985-06-01
La Plagne	LPL	Rhone-Alpes,France	45.5164N	6.7324E	2070	From 1986-07-01
La Plaine	DLPL	Dominica	15.3325N	61.2468W	300	From 2007-12-04
La Plaine Cafres	PCR	Reunion,France	21.1957S	55.5778E	2270	
La Plantade	PLDF	Auvergne,France	45.9698N	3.6212E	940	From 1983-06-01
La Plata	LPA	Buenos Aires,Argentina	34.9089S	57.9319W	14	From 1907-01-01
La Pocatiere	POC	Quebec,Canada	47.3644N	70.0408W	61	From 1972-01-21 to 1980-10-17
La Pocatiere	LPQ	Quebec,Canada	47.3408N	70.0093W	126	From 1980-06-06 to 2006-03-28
La Primavera	LAPR	Baja California	30.5000N	112.3198W	233	
La Pryor	LP-TX	Texas,U.S.A.	29.1797N	99.6764W	274	From 1961-11-27 to 1962-05-16
La Pryor	LP-	Texas,U.S.A.	29.1797N	99.6764W	274	From 1961-11-27 to 1962-05-16
Lapseki	LPK	Turkey	40.3727N	26.7602E	200	
Lapseki-CANAKKALE	LAPK	Turkey	40.3151N	26.6425E	2	From 2020-09-10
Lapseki, ANAKKALE	LAPS	Turkey	40.2522N	26.8386E	450	From 2019-12-07
La Puebla de Cazalla (Sevilla)	E1302	Spain	37.1330N	5.2438W	300	From 2019-09-18
La Puerta, CPO	CPOMX	Baja California	32.3850N	115.2950W	14	
Lapu-Lapu	LLP	Cebu,Philippines	10.3170N	123.9660E	135	
La Punta	BO04	O'Higgins	33.9890S	70.6092W	687	From 2015-09-25
La Quiaca	LQA	Jujuy,Argentina	22.1033S	65.6033W	3464	
La Quijada	SABCS	Cuba	20.3623N	75.3136W	463	
L'Aquila	T0103	Italy	42.3618N	13.4245E	849	From 2009-04-06 to 2009-06-12
L'Aquila	AQU	Italy	42.3539N	13.4019E	729	From 1952-01-01
L AQUILA BAZZANO	BZZ	Italy	42.3370N	13.4685E	0	From 2009-04-07
L AQUILA CENTRO VALLE	AQV	Italy	42.3771N	13.3439E	0	From 2001-07-15
L AQUILA COLLE DEI GRILLI	AQG	Italy	42.3737N	13.3370E	0	From 2001-06-18
L AQUILA FERRIERA	AQF	Italy	42.3807N	13.3547E	0	From 1999-11-11
L AQUILA PARK	AQK	Italy	42.3450N	13.4009E	0	From 2005-12-02
L AQUILA PETTINO	AQP	Italy	42.3837N	13.3686E	11	From 2001-03-06
La Quinta	LAQC	California,U.S.A.	33.6280N	116.2800W	49	
LAR	LAR1	Iran	27.6694N	54.3746E	785	From 2014-01-22
La Rabassa	ARBS	Andorra	42.4467N	1.5490E	2145	From 2009-10-20
Laramie	M23A	Wyoming,U.S.A.	41.4680N	105.7221W	2166	From 2008-07-15 to 2010-05-13
Laramie	LAR	Wyoming,U.S.A.	41.3144N	105.5830W	2400	From 1954-01-01 to 1977-12-31
Larch Mountain	VLMM	Oregon,U.S.A.	45.5385N	122.0390W	1158	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Laredo	933A	Texas,U.S.A.	27.6133N	99.2746W	214	From 2010-01-07 to 2011-11-16
La Regadera-Sumapaz	RGSC	Colombia	4.3682N	74.1863W	3266	From 2016-06-18
Lares	LRS	Puerto Rico	18.2914N	66.8446W	455	From 1977-02-15
La Restinga, El Hierro	CRST	Canary Islands,Spain	27.6424N	17.9828W	30	From 2011-07-01
La Restinga, El Hierro	CNAO	Canary Islands	27.6470N	17.9883W	118	From 2016-03-29
Lariano	LARN	Italy	41.7281N	12.8337E	372	From 2021-12-06
La Rica Arriba, N13	TUN13	Nicaragua	13.5740N	85.8526W	524	
Larino	LRNO	Italy	41.8066N	14.9201E	409	From 2018-08-22
Larino (CB)	T1414	Italia	41.8199N	14.8976E	290	From 2018-08-30 to 2018-10-23
LARINO CB	LAR25	Italy	41.8006N	14.9116E	340	From 2018-08-18
Larissa	LAR5	Thessaly,Greece	39.6404N	22.4105E	93	From 2011-05-01
Larissa	LAR4	Thessaly,Greece	39.6422N	22.4219E	84	From 2011-05-01
Larissa Observatory	LRSO	Greece	39.6713N	22.3917E	78	From 2011-07-06 to 2020-05-22
Larnaka City Center	LAR1C	Cyprus	34.9244N	33.6156E	22	From 2018-01-01
La Roca	LARO	Costa Rica	9.7052N	84.0235W	2107	
La Roca	LARC	Costa Rica	9.7085N	84.0123W	2040	
La Roca, LAR	LARCR	Costa Rica	9.7052N	84.0073W	2107	
La Rochela, LAR	LARU	Venezuela	7.7180N	71.4660W	289	
La Roche-sur-Yon	LRYF	Poitou-Charentes,France	46.5787N	1.5472W	67	
La Romaine 2 Dam	LRQ1	Quebec,Canada	50.6656N	63.2310W	253	From 2014-05-28
La Romaine 2 Dam Dyke F2,	LRQ2	Quebec,Canada	50.6485N	63.2786W	161	From 2014-05-29
La Romaneta	ROMA	Spain	38.3883N	0.9182W	480	
Laroque-de-Fa	LRDF	Languedoc-Rousillon,France	42.9378N	2.5387E	400	From 2003-04-01
La Rosa de Castilla, RDC	RDCC	Baja California	32.0475N	116.1268W	1196	
Larrau	LARF	Aquitaine,France	43.0380N	0.9875W	670	From 1997-10-30
Larrimah, NT	LAROZ	Northern Territory	15.5729S	133.2128E	186	From 2018-07-16
Larroussi	LRO	Morocco	31.8370N	9.1500W	135	
Larsen Ranch, Manila	N18A	Utah,U.S.A.	40.9763N	109.6731W	1893	From 2007-07-24 to 2009-04-23
Larsen Ranch, Promontory	M15A	Utah,U.S.A.	41.4632N	112.4477W	1348	From 2007-02-12 to 2009-04-08
La Rua	ERUA	Spain	42.3927N	7.1425W	431	From 1987-05-01
La Rumorosa	RMX	Baja California,Mexico	32.6025N	116.0786W	1420	
La Rusia	RUSC	Colombia	5.8925N	73.0832W	3697	From 1994-01-01
La Rusia	RUSI	Boyaca,Colombia	5.8930N	73.0830W	3697	From 2008-01-01
Lasa Array	LA0	Montana,U.S.A.	46.6885N	106.2231W	902	
Lasa Array	LASA	Montana,U.S.A.	46.6885N	106.2231W	902	
LASA Array	LAO	Montana,U.S.A.	46.6885N	106.2231W	902	From 1966-01-01
Las Abras (Santa Cruz, Turrialba)	ABRB	Costa Rica	10.0057N	83.7171W	1997	
LASA B Ring	LB1	Montana,U.S.A.	46.7522N	106.0920W	754	From 1966-01-01 to 1999-08-25
LASA B Ring	LB2	Montana,U.S.A.	46.6350N	106.1630W	694	From 1966-01-01 to 1999-08-25
LASA B Ring	LB4	Montana,U.S.A.	46.7681N	106.2430W	717	From 1966-01-01 to 1999-08-25
LASA B Ring	LB3	Montana,U.S.A.	46.6592N	106.3170W	723	From 1966-01-01 to 1999-08-25
LASA C Ring	LC1	Montana,U.S.A.	46.8394N	106.1270W	719	From 1966-01-01 to 1999-08-25
LASA C Ring	LC2	Montana,U.S.A.	46.6694N	106.0130W	779	From 1966-01-01 to 1978-06-30
LASA C Ring	LC3	Montana,U.S.A.	46.5742N	106.2500W	682	From 1966-01-01 to 1978-06-30
LASA C Ring	LC4	Montana,U.S.A.	46.7353N	106.3740W	764	From 1966-01-01 to 1978-06-30
LASA D Ring	LD3	Montana,U.S.A.	46.5497N	106.4800W	800	From 1966-01-01 to 1999-08-25
LASA D Ring	LD2	Montana,U.S.A.	46.5031N	106.0110W	661	From 1966-01-01 to 1978-06-30
LASA D Ring	LD4	Montana,U.S.A.	46.9419N	106.3830W	713	From 1966-01-01 to 1978-06-30
LASA D Ring	LD1	Montana,U.S.A.	46.8397N	105.8890W	759	From 1966-01-01 to 1978-06-30
LASA E Ring	LE1	Montana,U.S.A.	47.1628N	106.0560W	686	From 1966-01-01 to 1974-01-01
LASA E Ring	LE4	Montana,U.S.A.	46.7608N	106.9170W	803	From 1966-01-01 to 1974-01-01
LASA E Ring	LE3	Montana,U.S.A.	46.1494N	106.3340W	761	From 1966-01-01 to 1974-01-01
LASA E Ring	LE2	Montana,U.S.A.	46.5128N	105.3650W	610	From 1966-01-01 to 1974-01-01
LASA F Ring	LF3	Montana,U.S.A.	45.9728N	107.0820W	837	From 1966-01-01 to 1974-01-01
LASA F Ring	LF2	Montana,U.S.A.	45.9094N	105.4860W	754	From 1966-01-01 to 1974-01-01
LASA F Ring	LF1	Montana,U.S.A.	47.3708N	105.1880W	740	From 1966-01-01 to 1974-01-01
LASA F Ring	LF4	Montana,U.S.A.	47.4111N	106.9440W	707	From 1966-01-01 to 1974-01-01
La sagne	SALSA	Provence-Cote d'Azur	43.8810N	6.6888E	1186	From 2017-01-06
La Salvetat-Peyrales	SLVF	Midi-Pyrenees	44.1912N	2.1642E	139	From 2015-07-13
Las Animas	S27A	Colorado,U.S.A.	37.6837N	102.8982W	1439	From 2008-12-15 to 2010-11-08
Las Aradas	LHAH	Honduras	14.0500N	87.4083W	1650	
Las Brisas	LBRS	El Salvador	13.7383N	89.0433W	770	From 1991-12-01
Las Campanas	LCO	Coquimbo,Chile	29.0111S	70.7010W	2299	
Las Canadas	CCAN	Canary Islands,Spain	28.2237N	16.6070W	2250	
Las Colinas, F4	TUF4	Nicaragua	11.8426N	86.2553W	528	
Las Cruces	LCCH	Santiago,Chile	33.4753S	71.5697W	180	From 1987-11-17
Las Cruces	LC-	New Mexico,U.S.A.	32.4022N	106.5994W	1585	
Las Cruces	LC-NM	New Mexico,U.S.A.	32.4022N	106.5994W	1585	
Las Cruces	MCRU	Mexico D.F.	19.3202N	99.2553W	2744	
Las Cuatro Esquinas, F2	TUF2	Nicaragua	12.4967N	86.8525W	144	
La Serena	CO05	Coquimbo	29.9186S	71.2384W	101	From 2015-04-02
La Serena	LSCH	Coquimbo,Chile	29.9080S	71.2450W	52	
Las Esperanzas	ESPN	Nicaragua	12.1950N	84.3002W	45	
La Seu d''Urgell	EXSEU	Spain	42.3580N	1.4599E	707	
Las Flores	FLS	Guatemala	13.8943N	90.0658W	180	
Las Flores	AIES	El Salvador	13.4471N	89.0508W	39	
Las Granadillas	GRDS	El Salvador	13.7583N	89.2917W	1500	From 1991-12-01
Las Guardias	GRDI	Ecuador	1.8367S	79.5660W	2366	From 2023-07-25
Lasithi	LAST	Crete,Greece	35.1611N	25.4786E	870	
Lasjerd	ILAS	Iran	35.3822N	52.9589E	2195	From 1999-05-01
Las Juntas de Abangares	JTS	Costa Rica	10.2908N	84.9525W	340	From 1995-04-23
Las Lajas	LJX	Veracruz,Mexico	19.5383N	97.1492W	3050	From 1983-04-01
Las Lilas	GBS2	Costa Rica	10.8370N	85.4527W	392	From 2000-01-01
Las Lomas, Chiriqui	LOMA3	Panama	8.4310N	82.3910W	83	From 2010-01-01
Las Malvinas	LAMA	Mendoza	34.9352S	69.2120W	500	
Las Melosas	LMEL	Santiago,Chile	33.8476S	70.2034W	1540	
Las Mercedes	EDLM	Costa Rica	9.2790N	83.5890W	629	
Las Mercedes	MERV	Venezuela	9.2510N	66.2970W	156	From 2001-11-16
Las Mercedes	LMGC	Cuba	20.0640N	77.0050W		
Las Mesas	LSP	Puerto Rico	18.1757N	67.0858W	389	From 1975-11-14
Las Mesas	LSP2	Puerto Rico	18.1458N	66.9811W		
Las Morras, Villanueva del Duque, Cordoba	E031	Spain	38.3393N	4.9967W	691	From 2007-09-23 to 2009-06-16
Las Neceidas	BIS1	Colombia	4.8943N	75.3393W	5030	
Las Nubes	NBG	Guatemala	14.5875N	90.3467W	2200	
Las Nubes	LNB	Nicaragua	12.0328N	86.2532W	640	From 1983-01-01
Las Nubes	NUBE	El Salvador	13.9022N	89.7799W	1311	From 2014-06-02
Las Ollas	OLLA	Venezuela	10.0189N	66.8039W	947	From 1984-01-01
La Souterraine	LSF	Limousin,France	46.2500N	1.5294E	430	
Las Palmas La Amistad	LPLA	Costa Rica	9.0290N	83.0080W	1392	From 2015-02-11 to 2015-11-30
Las Pataguas	G01S	Maule	33.4803S	71.5358W	221	
Las Pavas	PAVA	El Salvador	13.7132N	88.9372W	1029	From 2012-02-14
Las Penas - Esmeraldas	ESM1	Ecuador	1.0351N	79.0659W	37	From 2017-09-22
LAS PENAS INFRASONIC ARRAY REFERENCE POINT	LPB	Bolivia	16.2152S	68.4535W	4096	From 2000-01-03
La Spezia	LSPI	Italy	44.0961N	9.8079E	107	
Las Piedras Blancas, N2	TUN2	Nicaragua	12.2329N	86.7013W	46	
Las Pilas	BRAN	Nicaragua	12.7200N	86.3500W	83	
Las Pilas, N5	TUN5	Nicaragua	12.5113N	86.5940W	105	
Lassiter	DY2	Tennessee,U.S.A.	36.3302N	89.3520W	110	From 1969-01-01 to 1970-12-31
Las Tabladas, Isla de El Hierro	CTAD	Canary Islands,Spain	27.7494N	18.0850W	147	From 2011-07-18
Last Change Range	LCH	California,U.S.A.	37.2330N	117.6450W	1414	
Last Nowhere	ST40	Xizang Zizhiqu,China	33.8146N	88.3070E	4964	From 1998-07-12 to 1999-06-04
Lastovo	LSTV	Croatia	42.7686N	16.8919E	130	From 2014-04-02
Las Tunas	LTUP	Cuba	20.9615N	77.0032W	95	
Las Vegas	LVN	Nevada,U.S.A.	36.1092N	115.1400W	610	From 1960-01-01 to 1970-12-31
Las Vegas	LVW	Nevada,U.S.A.	36.1700N	115.1880W	654	
Las Vizcachas	MT15	Metropolitana	33.5990S	70.5060W	777	From 2017-10-27
Laszki	PL03A	Poland	50.0217N	22.8969E	198	From 2019-12-12
Latacunga	ALAT	Ecuador	0.9264S	78.6183W	2777	From 2011-10-21
La Tejera, N11	TUN11	Nicaragua	13.1963N	86.1304W	1098	
Laterza	LTRZ	Italy	40.6033N	16.8191E	381	
Laterza	LATE	Italy	42.6137N	11.8040E	610	From 2006-05-04
Latheron	MLA1	Scotland,United Kingdom	58.3055N	3.3627W	188	From 1981-01-01
Lathrop	P37A	Missouri,U.S.A.	39.5882N	94.3491W	300	From 2010-11-27 to 2012-09-25
La Thuile	THUI	Italy	45.6825N	6.9320E	2323	From 2012-06-28
Lathuile, 74147, Haute-Savoie, Auvergne-Rhone-Alpes	A178A	France	45.8107N	6.2004E	660	From 2016-09-09
Latina	LATB	Italy	41.4939N	12.9624E	-187	From 2012-11-21
La Tirana	TIRA	Chile	20.3299S	69.5717W	1020	From 2009-12-05
Latisana	LTSN	Italia	45.7929N	13.0191E	52	From 2019-02-13
La Tortuga	TORT	Venezuela	10.9084N	65.3139W	40	From 1984-01-01 to 1999-08-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Latouche	LTI	Alaska,U.S.A.	60.0405N	147.8540W	302	From 1988-07-01
La Tour-de-Pellz	NOV4	Switzerland	46.4475N	6.8598E	380	From 2010-02-09
Latrape	LATF	Midi-Pyrenees	43.2347N	1.3091E	300	From 2019-01-01
Latrobe	ALAM	California,U.S.A.	38.5667N	120.9560W	293	
Lattarico	LATT	Italy	39.4418N	16.2298E	200	From 2019-10-01
La Tuque	LATQ	Quebec,Canada	47.3836N	72.7819W	163	From 2007-09-14
Latur	LATR	Maharashtra,India	18.4104N	76.5333E	639	
Lauchernalp	LAUCH	Raron,Switzerland	46.4155N	7.7717E	2160	From 2010-11-17
Laudat, Dominica	DLDT	Dominica	15.3310N	61.3480W	538	From 2019-04-15
Lau de Morge, St.Gingolph, VS	NVL1	Switzerland	46.3616N	6.7736E	1172	From 2019-05-28
Laukkuluspa	RATU	Sweden	67.8240N	19.5913E	481	
La Union	UON	Guerrero,Mexico	17.9700N	101.8150W		
LA UNION	EC11	Ecuador	0.8139N	79.8630W	32	From 2016-05-11
Laupahoehoe	LPH	Hawaii,U.S.A.	19.9972N	155.4042W	6	
Laupendahl	LAUG	Nordrhein-Westfalen,Germany	51.3510N	6.9440E	140	From 2004-08-01
Lau Rambong	LARI	Sumatera,Indonesia	2.8856N	98.1572E	820	
Laurance Lake	VLL	Oregon,U.S.A.	45.4633N	121.6790W	1195	From 1980-10-01
La Urbina	LAU	Venezuela	7.9110N	71.7080W	1810	
Laurel	LL-	Mississippi,U.S.A.	31.7214N	89.3558W	91	From 1966-11-14 to 1966-12-03
Laurel	LL-MS	Mississippi,U.S.A.	31.7214N	89.3558W	91	From 1966-11-14 to 1966-12-03
Laurel Creek	LRCG	California,U.S.A.	37.5857N	118.9090W	2780	From 1984-07-01
Laurel Creek Canyon	MLCM	California,U.S.A.	37.6121N	118.9153W	2471	
Laurel Hill	JLAB	California,U.S.A.	37.1543N	121.7347W	318	
Laurel Hill	JLAM	California,U.S.A.	37.1543N	121.7340W	308	
Laurel Mtn Radio Fac, Ridgecrest	LRMC	California,U.S.A.	35.4795N	117.6821W	1340	From 1992-07-29
Laurenzana	LAUE	Italy	40.4396N	15.9434E	1090	From 2002-07-30
La Uribe, Meta	URMC	Colombia	3.2470N	74.3790W	725	From 2018-04-03
Laurignano	LARA	Italy	39.2757N	16.2429E	470	From 2020-10-21
Lauriston	LRSC	South Island,New Zealand	43.7294S	171.7936E	198	From 2005-02-24
Laurium	LVRA	Greece	37.7120N	24.0552E	5	
Lausanne EPFL	SEPFL	Switzerland	46.5212N	6.5657E	369	From 2011-10-01
Lausseig	EVLI	Midi-Pyrenees	43.0395N	0.6530W	754	From 2022-11-29
L'Aution	AUTN	Provence-Cote d'Azur,France	43.9955N	7.4275E	2065	From 1988-04-08 to 2011-02-01
Lauttasaari Helsinki	LAUT	Finland	60.1523N	24.8577E	5	From 2020-03-31
Laux Farm, Auxvasse	Q40A	Missouri,U.S.A.	38.9946N	92.0748W	275	From 2010-12-06 to 2012-09-13
Lava2-Rev Volc	LAV2	Ecuador	0.0848S	77.6438W	2680	From 2002-03-08 to 2003-09-01
Lava3-Reventador	LAV3	Ecuador	0.0967S	77.6323W	2210	From 2004-11-09 to 2008-08-12
Lava4-Reventador	LAV4	Ecuador	0.0925S	77.6292W	2218	From 2008-08-13
Lava Cap Winery, Placerville	LAVA	California,U.S.A.	38.7552N	120.7395W	828	From 2004-12-09 to 2007-12-08
Lavachey, Val Ferret, Courmayeur, Italy	VFERR	Italy	45.8511N	7.0192E	1652	
Lava Point	LVA	Alaska,U.S.A.	54.1609N	166.0338W	457	
Lavey les Bains, Waadt, VD	LAVEY	Switzerland	46.2000N	7.0228E	423	From 2017-12-04
LAVIANO	LVN1	Italy	40.7842N	15.3046E	560	From 2007-03-13
Lavic	LAVC	California,U.S.A.	34.7658N	116.2865W	902	
La Victoria	LVG	Guatemala	14.9662N	91.0950W	2020	From 1978-06-01 to 1999-08-25
La Victoria	E58A	Quebec,Canada	46.3721N	73.2771W	233	From 2013-07-30
La Villa de Los Santos	LVS	Panama	7.9270N	80.4166W	37	From 2001-08-14
La Villita	LVGX	Guerrero,Mexico	18.0450N	102.1750W		
Lavradio	AML02	Portugal	38.6640N	9.0539W	57	From 2019-09-17
Lavrentia	LAVR	The Chukotsky Autonomous Okrug,Russia	65.5850N	171.0120W	18	From 2005-12-15
La Wantzenau - Station Regionale de Protection des Cultures	SRPC	Alsace	48.6461N	7.8308E	132	From 2022-07-08
Lawnview Circle Danville	C027	California,U.S.A.	37.7935N	121.9797W	135	From 2009-09-21
Lawrence	LAW	Kansas,U.S.A.	38.9594N	95.2500W	260	From 1909-01-01 to 2001-07-15
Lawrence	LAK	Kansas,U.S.A.	39.0463N	95.2045W	326	From 1977-08-14 to 2001-07-15
Lawrence Road	LRRZ	New Zealand	36.1463S	174.5383E	142	From 2023-03-16
Lawson Adit, UC Berkeley, California	ADIT	California,U.S.A.	37.8700N	122.2600W	75	From 2014-06-15
Lawton	X33A	Oklahoma,U.S.A.	34.5410N	98.5006W	346	From 2009-10-24 to 2011-09-04
Lawton Elementary School	LAWT	Washington,U.S.A.	47.6565N	122.3894W	111	
Laxson Ranch, Crystal City	732A	Texas,U.S.A.	28.7292N	99.9707W	178	From 2009-02-16 to 2011-01-20
La Yayitas	DR11	Dominican Republic	18.4719N	70.2346W	780	
Layne Water Midstream 1	LWM1	Texas	31.2312N	103.6300W	826	
Layne Water Midstream 2	LWM2	Texas	31.2699N	103.5847W	826	
Layou Valley	DLVT	Dominica	15.4365N	61.3946W	274	
Lazarev	LZR	Khabarovskiy Kray,Russia	52.1700N	141.5000E	20	From 1979-12-01 to 1994-03-01
Lazarevskoye	LZRR	Krasnodarskiy Kray	43.9350N	39.3798E	180	From 2011-07-31 to 2017-11-17
Lazaro Cardenas	LAZM	Michoacan,Mexico	18.0360N	102.2050W		
Lazia	BBLS	Serbia	43.8660N	19.4050E	882	From 1996-01-24
Lazi, Siquijor	LSIP	Philippines	9.1310N	123.6310E	35	From 2016-02-24
Lazy	LACW	Czech Republic	50.0508N	12.6250E	838	From 1994-01-01
Lazy	PL18A	Poland	49.9698N	20.5063E	232	From 2020-01-08
Lazy 6 Ranch, Villanueva	W24A	New Mexico,U.S.A.	35.2106N	105.4075W	1902	From 2008-05-03 to 2010-04-05
Lazy B Ranch	DUN6	Arizona,U.S.A.	32.5538N	109.0901W	1259	From 2016-01-01
Lazy EL Ranch, Roscoe	G18A	Montana,U.S.A.	45.3171N	109.5631W	1699	From 2007-10-28 to 2009-09-15
Lazy Trails Angus Ranch, Wood Lake	K29A	Nebraska,U.S.A.	42.7612N	100.3182W	840	From 2009-06-01 to 2011-04-08
Lazy VL Ranch, Encino	X24A	New Mexico,U.S.A.	34.5646N	105.4349W	1917	From 2008-04-26 to 2010-03-13
Lazzaro	LAZR	Italia	37.9778N	15.6659E	82	From 2022-10-12
LCR	LCRM	Morocco	33.6860N	4.8580W	1461	
LDL	LDL	Djibouti	11.5827N	42.4993E	117	
Leachville	LVAR	Arkansas,U.S.A.	35.9146N	90.2221W	71	
Lead	LEA	South Dakota,U.S.A.	44.3333N	103.8170W		
Lead Mine Pass	HKLM	Hong Kong,China	22.4121N	114.1588E	300	From 1997-04-23
Lead Mountain	LED	California,U.S.A.	34.4677N	115.9360W	853	From 1974-04-01
Leadore	H14A	Idaho,U.S.A.	44.6165N	113.3674W	1933	From 2007-08-16 to 2009-06-05
Leadville	LDV	Nevada,U.S.A.	41.0975N	119.3910W	1798	From 1974-03-01 to 1976-05-31
Leadville, N13	NCR13	Colorado	39.2347N	106.3040W	3071	
Leamington	P15A	Utah,U.S.A.	39.5708N	112.2786W	1576	From 2007-05-23 to 2009-04-11
Leaning Rock	LRCZ	South Island,New Zealand	45.0637S	169.3463E	1533	From 1987-01-31 to 1996-04-27
Leavenworth	C06D	Washington,U.S.A.	47.9229N	120.8943W	544	
Lebam	E03A	Washington,U.S.A.	46.5459N	123.5632W	72	From 2005-10-26 to 2009-01-08
Lebanon	LB-NH	New Hampshire,U.S.A.	43.6208N	72.2756W	274	From 1962-06-14 to 1962-06-28
Lebanon	H04D	Oregon,U.S.A.	44.5234N	122.7377W	284	From 2010-08-12
Lebanon	LB-	New Hampshire,U.S.A.	43.6208N	72.2756W	274	From 1962-06-14 to 1962-06-28
Lebanon	S40A	Missouri,U.S.A.	37.5988N	92.5014W	336	From 2010-12-11 to 2012-09-13
Lebel-sur-Quevillon	LSQQ	Quebec,Canada	49.0580N	76.9796W	308	From 2009-09-13
Lebrija	VMM09	Colombia	7.1269N	73.2898W	1079	From 2015-10-02
Lebyazhka	LBGK	Orenburgskaya Oblast',Russia	52.0254N	53.5853E	148	From 2013-07-27
Le Caire	OG25	Provence-Cote d'Azur,France	44.3698N	6.0735E	1060	
Le Caire, 04037, Alpes-de-Haute-Provence, Provence-Alpes-Cote d'Azur	A2M7	France	44.3701N	6.0733E	1087	From 2016-08-03
Lecce	LCI	Italy	40.3346N	18.1120E	46	
Lecce	LCCE	Italy	40.3559N	18.1996E	80	From 2019-11-05
Lecco	LEC	Italy	45.8612N	9.4112E	231	From 2010-01-13
Lechaina	LCHA	Greece	37.9374N	21.2636E	5	
Le Croseau, ST.Gingolph, VS	NVL2	Switzerland	46.3882N	6.8063E	477	From 2019-05-28
Le Cuvier	LCUV	California	35.6520N	120.7322W	407	From 2017-06-01
Ledoux Ranch, Antler	A27A	North Dakota,U.S.A.	48.9533N	101.2407W	466	From 2009-08-08 to 2011-07-21
Leeds	LEE	Utah,U.S.A.	37.2430N	113.3767W	1097	From 1963-04-01 to 1999-08-25
Leeds	LDS	Utah,U.S.A.	37.2425N	113.3514W	1101	
Leeds University	LDU	England,United Kingdom	53.8025N	1.5553W	230	From 1983-01-01
Lee Faris, Mount Ayr	N37A	Iowa,U.S.A.	40.7582N	94.2095W	351	From 2010-10-27 to 2012-09-11
Leeston	CCH4	South Island	43.7862S	172.2616E	32	
Leesville	635A	Texas,U.S.A.	29.3877N	97.7736W	119	From 2009-12-17 to 2011-10-08
Lee's Yard	MLYT	Montserrat	16.7213N	62.1910W	355	
Lee Vining	R07C	California,U.S.A.	38.0890N	119.0469W	1996	From 2005-08-03 to 2007-10-02
Lefka	LEF	Cyprus	35.1193N	32.8903E	130	From 1998-01-14
Lefkada island	LKD2	Greece	38.7889N	20.6578E	485	From 2008-06-02
Lefkada island	EVGI	Greece	38.6210N	20.6560E	249	From 2012-07-04
Lefkas	LEF2	Greece	38.8302N	20.7081E	5	From 2011-05-01
Lefkimmi	LFKM	Greece	39.4465N	20.0608E	1	From 2018-11-17
Lefkose	LFK	Cyprus	35.2792N	33.5325E	690	From 1987-01-01
Legarje	LEGS	Slovenia	45.9488N	15.3177E	390	
Legaspi	LGP	Luzon,Philippines	13.1562N	123.7340E	19	From 1975-10-01
Legaspi	LEG	Luzon,Philippines	13.1333N	123.7333E	19	
Leghorn	LIV	Italy	43.5333N	10.3000E		
Le Givre - 85101 - Vendee - France	LGIF	Pays de la Loire	46.4572N	1.4056W	4	From 2021-03-02
Legoe Bay, Lummi Island	A04A	Washington,U.S.A.	48.7197N	122.7070W	23	From 2004-09-19 to 2008-02-19
Legon	LGG	Ghana	5.6483N	0.1967W	137	From 1976-11-01 to 1986-12-31
Legon	LEGH	Ghana	5.6483N	0.1814W	91	
LEH	LEH	Jammu and Kashmir	34.2130N	77.1840E	3135	From 2018-06-06
Lehavot Habashan	LVBS	Israel	33.1409N	35.6497E	118	From 2018-02-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lehigh University	LUPA	Pennsylvania,U.S.A.	40.5987N	75.3718W	255	From 2006-01-08
Lehliu	LEHL	Romania	44.4739N	26.8194E	90	From 2012-10-31
Leibel Peak	WLPM	California,U.S.A.	35.5077N	118.4090W	2265	
Leigh Creek	LCRK	South Australia,Australia	30.4472S	138.2162E	184	From 2013-07-17
Leinawald	ABG1	Thuringen,Germany	50.9653N	12.5721E	203	From 2012-10-25
Leipzig	LEI	Sachsen,Germany	51.3350N	12.3917E	113	
Leirfjorden	LEIR	Norway	66.1118N	13.1151E	91	From 2018-11-28
Leirgulen	N2B6	Norway	61.8640N	5.3060E	20	
Leirhofn	ILEI	Iceland	66.4070N	16.4900W	41	From 1993-10-24
Lekhapani	LKP	Assam,India	27.3330N	95.8461E	139	
Lekule Girls SS	LN15	Tanzania	2.6279S	36.1846E	1327	From 2013-01-20 to 2014-12-03
Lelesti	LELR	Romania	45.1008N	23.2003E	348	From 2023-02-15
Lemala Gate	NG55	Tanzania	3.1418S	35.6870E	2369	From 2013-01-17 to 2014-12-05
Le Mans	LMF	Pays de la Loire,France	48.0000N	0.2000E	77	
Le Marinel	LMA	Democratic Republic of the Congo	10.3000S	25.4000E		
Le Mars	K34A	Iowa,U.S.A.	42.6865N	96.0957W	436	From 2010-07-27 to 2012-04-26
Lembach	LEMB	Alsace	49.0339N	7.7589E	249	From 2015-01-01
Lembang	LEM	Jawa,Indonesia	6.8266S	107.6175E	1293	From 1954-01-01
Lembang, Sulawesi Selatan	LPCM	Indonesia	3.5012S	119.5378E	29	From 2019-01-01
Lemhi Junction	LJI	Idaho,U.S.A.	43.8208N	112.8440W	1600	From 1990-05-15
Lemitar	LENM	New Mexico,U.S.A.	34.1655N	106.9740W	1698	
Lemmon	F27A	South Dakota,U.S.A.	45.8727N	102.0203W	757	From 2009-07-19 to 2011-05-06
Lemond, Waseca	I37A	Minnesota,U.S.A.	44.0148N	93.4003W	371	From 2010-10-09 to 2012-09-10
Lemong, Lampung	LESM	Indonesia	4.9615S	103.7126E	39	From 2019-01-01
Lemonthyme	LMT	Tasmania,Australia	41.6100S	146.1520E	349	From 1969-09-25 to 1971-08-06
Lemoore	LEMR	California	36.2769N	119.7818W	69	
Le Moule	GLMO	Guadeloupe,France	16.3324N	61.3513W	5	From 2005-02-01
Le Moulin, Savigny, Haute-Savoie, FR	SAVIG	France	46.0659N	5.9734E	529	From 2017-09-15
LENE	LENE	Germany	53.0910N	11.4780E	20	
Lengayang, Sumatera Barat	LPSM	Indonesia	1.7082S	100.7196E	110	From 2019-01-01
Leninakan	LEN	Armenia	40.7667N	43.8500E	1522	
Leninskoye	LNSK	Kazakhstan	50.7300N	57.9000E	355	From 1974-07-01
Lenk, BE	RAW1	Switzerland	46.4212N	7.4371E	1240	From 2016-09-08
Lenkeran, Azerbaijan	LKRN	Azerbaijan	38.7100N	48.7790E	65	From 2003-03-29
Lennox	LTN	Tennessee,U.S.A.	36.0630N	89.4950W		From 1977-08-01 to 1992-12-31
Lenox	LNXT	Tennessee,U.S.A.	36.1014N	89.4913W	144	
Lenox	LNX	Massachusetts,U.S.A.	42.3389N	73.2724W	345	
Lentariana Chania	LENT	Crete	35.5074N	24.0402E	76	From 2015-06-01
Lentini	FX03	Italy	37.2992N	15.0017E	34	From 2021-12-22 to 2023-02-02
Lentini	HLNI	Sicily,Italy	37.3480N	14.8720E	95	From 1994-05-01
Lenzkirch (DE)	BERGE	Baden-Wurttemberg,Germany	47.8718N	8.1783E	925	From 2012-09-03
Leoben	LTA	Austria	47.4033N	15.0761E	840	
Logne	LGNH	Haiti	18.5110N	72.6058W	62	
Leola	LAL	Alabama,U.S.A.	34.4367N	87.3372W	320	From 1989-03-28
Leola	F30A	South Dakota,U.S.A.	45.8356N	99.0250W	601	From 2009-09-08 to 2011-07-28
Leon	LEON	Nicaragua	12.4160N	86.8925W	160	
Leon	ALEN	Leon,Nicaragua	12.4577N	86.8705W	195	From 2014-05-14
Leon	LNM	Jalisco,Mexico	21.1167N	101.6675W	1800	
Leonard	LNO3	Oklahoma,U.S.A.	35.9125N	95.7892W	257	From 1992-01-01
Leonard	TUL1	Oklahoma,U.S.A.	35.9104N	95.7919W	253	From 2008-10-16
Leonard	TUL3	Oklahoma,U.S.A.	35.9105N	95.7918W	265	From 2017-04-25
Leonard	LNO	Oklahoma,U.S.A.	35.9125N	95.7892W	-487	From 1988-12-07
Leonard	LNO2	Oklahoma,U.S.A.	35.9125N	95.7892W	-171	From 1992-01-01
Leonardtown, MD	R60A	Maryland,U.S.A.	38.2684N	76.5807W	33	From 2013-04-18
Leona Valley	LEOC	California,U.S.A.	34.6313N	118.3040W	1073	
Leon Cerro Gordo	LCG	Guanajuato,Mexico	21.1450N	101.7250W	2200	From 1968-03-01
Leoncito	LEO	San Juan,Argentina	31.7997S	69.3353W	2400	
Leoncito	RTLS	San Juan,Argentina	31.7989S	69.2969W	2560	
Leonessa	LNSS	Italy	42.6029N	13.0403E	1155	From 2004-05-10
Leonessa	LSS	Italia	42.5582N	12.9689E	1067	From 2001-04-12
Leonidio	LEO1	Greece	37.1688N	22.8637E	54	From 2011-09-01
Leonidio, PE07	PE07E	Greece	37.1478N	22.8195E	528	
Leontio	S013	Greece	37.8060N	22.5930E	451	
Leota Junior High School	LEOT	Washington,U.S.A.	47.7679N	122.1151W	155	
Leova	LEOM	Moldova	46.4733N	28.2467E	52	From 1982-01-01
Lepanto	LPAR	Missouri,U.S.A.	35.6019N	90.3002W	66	
Lepanto, Puntarenas	LEPA	Costa Rica	9.9453N	85.0312W	17	From 2000-01-01
Le Parnasse	PAG	Guadeloupe,France	16.0297N	61.6800W	670	From 1950-01-01
Lepaterique	LTH	Honduras	14.0708N	87.3458W		From 1990-01-01
Le Pertre	LPF	Bretagne,France	48.0315N	1.0408W	156	
Le Peyrat	LPEF	Midi-Pyrenees,France	42.9485N	1.9077E	440	From 1998-10-20
Lephalale	LEP	Transvaal,South Africa	23.6497S	27.7468E	840	
Lephalale, Limpopo Province, South Africa	LEPH	South Africa	23.8582S	27.7973E	963	From 2016-06-30
Lephephe	LPHEP	Botswana	23.3630S	25.8597E	1020	
Le Pouchou	LPO	Midi-Pyrenees,France	44.6831N	1.1869E	330	
Le Pradet	MIGAL	France	43.0804N	6.0324E	102	From 2017-07-07
Le Prarion, La Cote	CI18	Switzerland	45.8997N	6.7699E	1146	
Le Quartier	LQF	Auvergne	46.1194N	2.7821E	749	From 2021-03-25
Lerchenberg	LBG	Baden-Wurttemberg,Germany	48.6639N	8.7954E	594	From 1995-01-01 to 2016-12-31
Lereh, Papua Barat	LJPI	Indonesia	3.1271S	139.9450E	405	From 2019-01-01
Leresti	LRR	Romania	45.4403N	25.0750E	700	From 1989-01-01
Lerida	LER	New South Wales,Australia	34.9344S	149.3640E	700	From 1970-01-01 to 1995-01-01
Lerik	LRK	Azerbaijan	38.6430N	48.3400E	1592	From 2009-11-25
L'Ermitage, Hinche, Centre	CHINC	Haiti	19.1373N	72.0463W	290	From 2020-10-28
Lermontov	LMTZ	Armenia	40.7570N	44.6440E	1810	
Lernagog	LRNG	Armenia	40.2587N	43.8740E	1057	From 2021-11-01
Lernakert	LERZ	Armenia	40.5670N	43.9500E	1990	
Lernantsk	LRNS	Armenia	40.7800N	44.2667E	1905	
Lernapar	LYES	Armenia	40.7467N	44.1633E	2170	
Lernavan	LERS	Armenia	40.7783N	44.1517E	1820	
Le Roux Dam	PKR	Orange Free State,South Africa	30.0033S	24.7417E	1267	
Leroy	Q53A	West Virginia,U.S.A.	38.8586N	81.5251W	310	From 2013-02-27
Lerwick	LRWS	Shetland Islands,United Kingdom	60.1397N	1.1831W	80	
Lerwick	LRW	Shetland Islands,United Kingdom	60.1360N	1.1779W	83	From 1978-01-01
Les Avellanes	CAVN	Spain	41.8827N	0.7518E	626	
les Blancs	BLAF	Provence-Cote d'Azur,France	43.9510N	6.0450E	590	From 2011-11-16
Les Bois	CI19	Switzerland	45.9449N	6.8987E	1085	
Les Buteaux	LBF	Bourgogne,France	46.9844N	3.9772E	715	
l'Escarene	ESCA	Provence-Cote d'Azur,France	43.8310N	7.3740E	550	From 2004-09-23
Lescure	LESF	Midi-Pyrenees,France	43.0311N	1.2839E	460	
Les Diablerets, Reservoir des Cretes, VD	RAW3	Switzerland	46.3606N	7.1678E	1565	From 2016-10-20
Lesego, Limpopo	LESE	South Africa	24.4152S	29.7445E	756	From 2015-01-01 to 2020-12-31
Les-Escoumins	LESQ	Quebec	48.3199N	69.4132W	0	From 2015-10-21
Les Eyzies	NE09	Aquitaine,France	44.8520N	0.9810E	160	From 1982-11-01 to 1986-02-28
Les Forges d'Abel	FDAF	France	42.8188N	0.5672W	1230	From 1998-05-20
Les Gonaivves, Artibonite	CGONA	Haiti	19.4659N	72.6697W	8	From 2021-01-13
les Granges de la Pia - Tende	PIAF	Provence-Cote d'Azur	44.1164N	7.6175E	937	From 1989-06-26
Leshukonskoye	LSH	Arkangel'skaya Oblast',Russia	64.8786N	45.7338E	60	From 2006-10-18
Lesken	LSNR	Severo-Osetinskaya,Russia	43.2780N	43.8260E	675	From 2004-06-23
Leskovik	LSK	Albania	40.1500N	20.6000E	922	From 1985-01-01
Lesnoe	LSN4	Sakhalinskaya Oblast',Russia	46.9580N	143.0311E	30	From 2002-01-01
Lesozavodsk	LES	Sakhalinskaya Oblast',Russia	44.7667N	147.1830E		
Lesparou	LSPF	Midi-Pyrenees,France	42.9481N	1.9042E	450	
Les Platons	JLP	Channel Islands,United Kingdom	49.2428N	2.1039W	131	From 1981-01-01
Les Rejaudoux	RJF	Limousin,France	45.3044N	1.5164E	410	From 1975-10-01
Les Rejaudoux	NE18	Limousin,France	45.3044N	1.5164E	410	From 1975-10-01 to 2001-07-28
Les Sairains Dessus	SAIRA	Switzerland	47.3027N	7.0865E	963	From 2011-11-24
Les Verrieres	BRANT	Switzerland	46.9380N	6.4730E	1145	From 2002-10-10
Lesvos island, N. Greece	LESV	Greece	39.1074N	26.5613E	20	From 2017-06-26 to 2018-08-19
Ltavrtes, Hungary	LTVH	Hungary	47.3849N	21.9006E	121	From 2012-05-30
Le Tonnare- Carloforte (CI)	SU10	Sardinia	39.1846N	8.3073E	16	From 2014-11-11 to 2015-09-07
Letterbox	LBXM	New South Wales,Australia	34.2721S	150.8736E	400	
Letur, Albacete	E034	Spain	38.2298N	2.1918W	1292	From 2008-06-03 to 2009-09-14
Leucamp	LEUC	Auvergne	44.7602N	2.5545E	487	From 2017-05-01
Leukerbad	LKBD	Switzerland	46.3870N	7.6271E	1550	From 1994-12-21
Leukerbad 2	LKBD2	Switzerland	46.3745N	7.6443E	2128	From 2001-07-05
Levan	LEVU	Utah,U.S.A.	39.5065N	111.8147W	1996	From 1992-01-01
Levan Peak	LVU	Utah,U.S.A.	39.4917N	111.8270W	2530	From 1978-01-01
Levanzo	LEVAN	Italy	37.9913N	12.3456E	73	From 2019-02-24

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Leviamp	VLEVI	Vanuatu	16.1542S	167.2515E	43	
Levin Horowhenua College	HOCS	North Island,New Zealand	40.6216S	175.2794E	27	From 2001-10-18
Levkas	LKD	Greece	38.7072N	20.6506E	1140	
Levy	LVY	Alaska,U.S.A.	64.2167N	149.2530W	230	From 1972-07-01
Lewis and Clark Caverns	LCCM	Montana,U.S.A.	45.8377N	111.8780W	1669	From 1983-03-01
Lewisberry	O58A	Pennsylvania,U.S.A.	40.1231N	76.9228W	321	From 2013-06-15
Lewisburg	S55A	West Virginia,U.S.A.	37.7724N	80.5013W	647	From 2013-01-29
Lewisburg	LE-	Tennessee,U.S.A.	35.6347N	86.7672W	213	From 1962-10-17 to 1962-10-27
Lewisburg	LE-TN	Tennessee,U.S.A.	35.6347N	86.7672W	213	From 1962-10-17 to 1962-10-27
Lewis, Hebrides	LEWI	Scotland,United Kingdom	58.1446N	6.8696W	279	From 2014-01-30
Lewis Ranch	BLRM	California,U.S.A.	36.6660N	121.2730W	232	From 1973-02-15
Lewistown	LT-	Pennsylvania,U.S.A.	40.3392N	78.0667W	396	From 1962-11-08 to 1962-12-12
Lewistown	LN-MA	Montana,U.S.A.	47.2119N	109.1489W	1448	
Lewistown	LT-PA	Pennsylvania,U.S.A.	40.3392N	78.0667W	396	From 1962-11-08 to 1962-12-12
Lexington	LEX	Virginia,U.S.A.	37.7894N	79.4417W	311	From 1971-05-01 to 1977-12-31
Lexington	LEK	Kentucky,U.S.A.	38.0361N	84.5050W	299	From 1974-10-01 to 1976-05-31
Lexington Res.	JLXM	California,U.S.A.	37.2018N	121.9860W	244	From 1975-02-04
Lexington Reservoir	LXR	California,U.S.A.	37.2018N	121.9860W	244	From 1975-02-04
L&G Farms, Chester	B17A	Montana,U.S.A.	48.2921N	110.7988W	894	From 2007-11-15 to 2009-09-05
LGU Evacuation Site, Brgy. Camagong, Alabat, Quezon	AUQP	Philippines	14.1049N	122.0214E	12	
Lhasa	LHA	Xizang Zizhiqu,China	29.6367N	91.0367E	3789	
Lhasa	LSA	Xizang Zizhiqu,China	29.7000N	91.1500E	3789	
Lhatse, Xizang Zizhiqu	LAZE	Xizang Zizhiqu,China	29.1403N	87.5922E	4011	From 2002-07-21 to 2002-10-27
Lhers	LHE	Aquitaine,France	42.9130N	0.6213W	1070	
Lhok Sumawe	LHMI	Sumatera,Indonesia	5.2288N	96.9472E	3	From 2008-02-29
L'Hospitalet-du-Larzac	LAJAS	Languedoc-Rousillon	43.9700N	3.2200E	710	From 2012-12-13
LAQUILA FIUME ATERNO	AQA	Italy	42.3755N	13.3393E	0	From 2001-04-17
Liard River	LR9	British Columbia,Canada	59.4483N	126.1750W	610	
Liard River Highway Maintenance Camp	LIRD	British Columbia,Canada	59.4098N	126.0986W	439	From 2016-06-11
Libby	B12A	Montana,U.S.A.	48.4694N	115.5889W	764	From 2006-09-23 to 2009-08-07
Libby Dam	LDM	Montana,U.S.A.	48.4539N	115.3170W	838	From 1970-02-22 to 2004-03-11
Liberia	LIBE	Costa Rica	10.6168N	85.4519W	194	
Liberia	ERIA	Costa Rica,Costa Rica	10.6343N	85.4398W	164	
Liberia Airport	ALIBA	Costa Rica,Costa Rica	10.5930N	85.5455W	72	
Liberty	LI-NV	Nevada,U.S.A.	38.3061N	117.2917W	1829	
Liberty	LTY	Washington,U.S.A.	47.2578N	120.6703W	970	
Liberty	LI-	Nevada,U.S.A.	38.3061N	117.2917W	1829	
Liberty Center	M49A	Ohio,U.S.A.	41.4745N	83.9752W	203	From 2012-07-17 to 2017-05-16
Liberty Hill	LHS	South Carolina,U.S.A.	34.4762N	80.8062W	120	From 1974-05-20
Liberty Lake	OK029	Oklahoma,U.S.A.	35.7966N	97.4549W	333	From 2014-02-13
Librizzi	LIBRI	Sicily	38.0837N	14.9287E	903	From 2021-07-01
Licata	CLTA	Sicily,Italy	37.1578N	13.9620E	182	From 2012-05-25
Lice-DIYARBAKIR	LICE	Turkey	38.4532N	40.6446E	963	From 2022-11-25
Liceo Cantonale, Bellinzona	EBELL	Switzerland	46.1966N	9.0139E	225	From 2010-11-24
Lichensteins Rd	LIRZ	North Island,New Zealand	38.0032S	176.3844E	340	From 1992-06-16
Lichinga	LICH	Mozambique	13.2689S	35.2348E	1400	
Lichinga	LICM	Mozambique	13.2830S	35.2260E	1400	From 2006-06-01
Lidau	ELDTW	Taiwan region	23.1890N	121.0170E	1040	
Liddieville	LV-	Louisiana,U.S.A.	32.1361N	91.8750W	15	From 1963-06-28 to 1964-01-30
Liddieville	LV-LA	Louisiana,U.S.A.	32.1361N	91.8750W	15	From 1963-06-28 to 1964-01-30
Liddow	LID	Mecklenburg-Vorpommern,Germany	54.5481N	13.3664E	1	
Lido Adriano	ANGE	Italy	44.3972N	12.3156E	-69	From 2022-01-27
Lido-Pellestrina (VE)	A303A	Italia	45.3443N	12.3182E	11	From 2015-10-26
Lien	ILIN	Iran	34.9186N	46.9624E	2195	From 2004-01-01
Lienchiang	MSUT	Taiwan region	26.1690N	119.9230E	97	From 2014-12-22
LIFOU	LIFNC	Loyalty Islands,New Caledonia	20.7771S	167.2402E	35	From 2010-04-01
Liganga	LIGA	Tanzania	10.6835S	35.2545E	976	From 2014-07-15 to 2015-11-04
Lightning Creek	LGTM	Victoria,Australia	36.7632S	147.4636E	1105	
Lightning Ridge Central School	AULRC	New South Wales,Australia	29.4300S	147.9800E	145	From 2013-05-24
Lignon Hill	VLH	Luzon,Philippines	13.1600N	123.7260E	67	From 1993-01-01
Ligonier	O55A	Pennsylvania,U.S.A.	40.2076N	79.3041W	469	From 2012-12-15
Lihir Island	LHIS	New Ireland,Papua New Guinea	3.1170S	152.6330E	10	From 1987-06-22
Liikasenvaara	KU4	Finland	66.3645N	29.5794E	290	From 2004-11-04
Lijar	LIJA	Spain	36.9061N	5.4038W	951	From 1987-11-01
Likavka	LIKS	Slovakia	49.0500N	19.1060E	341	From 2003-12-01
Likely Place Golf, Likely	M06C	California,U.S.A.	41.2047N	120.4772W	1434	From 2005-06-28 to 2007-10-21
Lilburn	Y52A	Georgia,U.S.A.	33.8640N	84.0626W	286	From 2012-04-08
Lilico Spur	LSCZ	South Island,New Zealand	45.1147S	169.3693E	759	From 1986-12-09 to 1996-05-01
Lille	LIL	Nord-Pas-de-Calais,France	50.6158N	3.0708E	13	
Lillehammer	LHN	Norway	61.0492N	10.8800E	555	From 1965-04-01 to 1999-08-25
Lille Linde	LLD	Denmark	55.3331N	12.2150E	8	
Lillevand	N1R4	Norway	66.4490N	13.8780E	55	
Lillevik	N1R2	Norway	66.2820N	13.2330E	61	
Lillooet	LLLB	British Columbia,Canada	50.6090N	121.8815W	700	
Lillooet	LLL	British Columbia,Canada	50.6950N	121.9170W		From 1959-01-01 to 1960-02-01
Lilltraesk	LILU	Sweden	65.2856N	19.8480E	100	From 2000-09-01
Lilongwe	LILM	Malawi	14.1840S	33.7750E	1106	
Lilydale High School, Lilydale	AULHS	Tasmania,Australia	41.2500S	147.2200E	173	From 2013-10-01
Lima	H15A	Montana,U.S.A.	44.6173N	112.6439W	1957	From 2007-08-16 to 2009-06-07
Lima	LIM	Peru	11.9750S	77.0347W	127	
Lima (Magdalena)	LM2	Peru	12.0850S	77.0583W	0	
Lima (NY)	LILH	New York,U.S.A.	42.9213N	77.6172W	233	
Limau, Lampung	LLSM	Indonesia	5.6004S	104.8094E	37	From 2019-01-01
Limay	LIY	Nicaragua	13.1983N	86.5602W	460	From 1975-01-01
Limburg	LIBD	Baden-Wurttemberg,Germany	48.1505N	7.6030E	210	From 1985-01-01 to 2011-12-31
Lime	LIME	Oregon,U.S.A.	44.4331N	117.2480W	1500	From 1990-04-01
Limekiln Ridge	LRM	Montana,U.S.A.	45.8222N	112.4510W	2326	From 1981-10-10
Limerick	LIMH	Ireland,Ireland	52.6333N	8.6833W		From 1913-01-01 to 1943-01-01
Limnos	LOS	Greece	39.9342N	25.0814E	460	From 1996-09-28 to 2016-04-21
Limnos Island	LIA	Greece	39.8981N	25.1831E	60	From 1997-01-01
Limon	LIO	Costa Rica	10.0050N	83.0350W	62	
Limon	LNCR	Costa Rica	9.9658N	83.0693W	40	
Limon	LICR	Costa Rica	9.9692N	83.0883W	105	
Limonal	LIM1	Costa Rica	10.6982N	85.2520W	600	From 1993-01-01
Limones	LIMO3	Panama	8.1015N	82.8643W	2	
Limones	LMNES	Panama	8.1000N	82.8600W	46	
Limon Verde	LVC	Antofagasta,Chile	22.6100S	68.9100W	2960	
Linares	LNCH	Maule,Chile	35.8475S	71.6013W	170	From 2005-01-13
Linares	LNIG	Nuevo Leon,Mexico	24.8982N	99.4657W	295	From 2006-01-16
Lincoln	D15A	Montana,U.S.A.	47.0418N	112.5204W	1593	From 2006-10-05 to 2009-07-15
Lincoln	Q04C	California,U.S.A.	38.8390N	121.3769W	14	From 2004-12-10 to 2007-10-12
Lincoln	LIN	Nebraska,U.S.A.	40.8383N	96.6533W	366	
Lincoln	LCN	Nebraska,U.S.A.	40.8117N	96.7019W	352	
Lincoln	ALNM	California,U.S.A.	38.9297N	121.2880W	54	From 1976-12-02
Lincoln	LNSD	South Island	43.6662S	172.4870E	6	
Lincoln	N34A	Nebraska,U.S.A.	40.8378N	96.5005W	401	From 2010-05-14 to 2012-04-22
Lincoln Crop and Food Research	LINC	South Island,New Zealand	43.6232S	172.4680E	16	From 2004-12-02
Lincoln, Montana	NVMT	Montana	46.7876N	112.5996W	1741	From 2017-08-25
Lincoln, Montana	LGMT	Montana	46.8814N	112.6051W	1784	From 2017-08-24
Lincoln, NE, USA	KLNK	Nebraska,U.S.A.	40.8200N	96.6400W	359	From 2016-03-06
Lincoln Peak	MLIM	California,U.S.A.	37.6368N	119.0179W	3075	
Lincoln School	LOC	California,U.S.A.	38.1525N	122.7130W	120	From 1970-08-14
Lincton Mountain	LNOR	Oregon,U.S.A.	45.8711N	118.2850W	768	From 1986-08-01
Linda	LDMO	Missouri,U.S.A.	36.4110N	89.5630W	86	From 1980-07-19
Linda, St. Vincent	A31A	Minnesota,U.S.A.	48.9320N	97.1888W	244	From 2010-08-25 to 2012-06-23
LINDERO ATRAVESADO II	NQ10	Neuquen	38.7100S	68.5196W	456	From 2022-09-15
Lindo Horizonte, BA, Brazil	ANA01	Bahia	14.5310S	40.7452W	740	From 2018-06-01
Lindos, Rhodes Isl.	RLN1	Greece	36.0891N	28.0869E	19	From 2012-08-01
Lindquist Farm, Mitchell	H06A	Oregon,U.S.A.	44.7344N	120.3346W	516	From 2006-08-16 to 2008-05-08
Lindsay	LINO	Ontario,Canada	44.3541N	78.7802W	268	
Lindsay	D23A	Montana,U.S.A.	47.1730N	105.2071W	895	From 2008-09-19 to 2010-07-13
Linfen	LNF	Shanxi,China	36.0840N	111.3700E	555	
Lingge Isaq, Aceh	LISM	Indonesia	4.4785N	96.7875E	1374	From 2019-01-01
Lingo Farm, Meno	U33A	Oklahoma,U.S.A.	36.4327N	98.1135W	393	From 2009-10-25 to 2011-08-31
Linhares ES	RIB01	Espirito Santo,Brazil	19.3142S	40.3944W	216	From 2011-01-30
Linhart Farms, Moccasin	D18A	Montana,U.S.A.	47.1961N	109.8023W	1202	From 2007-10-15 to 2009-09-10
Linkoeping	LNKU	Sweden	58.2232N	15.5047E	130	From 2002-03-25
Linosa	SLNS	Italy	35.8716N	12.8633E	19	From 2009-01-16
Linosa Island	LINA	Italy	35.8716N	12.8634E	63	From 2013-02-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Linthal, Matt	SLTM2	Switzerland	46.9236N	9.0009E	649	From 2011-05-01
Linth-Limmern	LLS	Switzerland	46.8468N	9.0083E	1860	From 1988-10-12
Lion Creek, Paradox Valley	PV14	Colorado,U.S.A.	38.3729N	109.0229W	2234	
Lioni	LIO3	Italy	40.8969N	15.1804E	737	
Lions Peak	HLPM	California,U.S.A.	37.0413N	121.6319W	102	
Lioujiau	CHN7	Taiwan region	23.4840N	120.2350E	6	
Lipari	LPI	Italy	38.4892N	14.9328E	225	From 1987-12-11
Lipari	LLI	Sicily,Italy	38.4450N	14.9481E	225	
LIPARI	LPR1	Italy	38.6950N	14.9569E	630	From 2013-10-08
Lipari, loc. Fontanelle	OEM8	Italy	38.4689N	14.9168E	198	From 2021-11-03
Lipari Monterosa	OEM7	Italy	38.4825N	14.9707E	259	From 2021-09-28
Lipari Osseratorio	ILOS	Italy	38.4458N	14.9484E	276	
Lipinka	LIPC	Czech Republic	49.8438N	17.0492E	429	From 2012-10-11
Lipkovo	LIP	North Macedonia,North Macedonia	42.1625N	21.5833E	483	From 1969-01-01
Lip M Gallina IE	ILMG	Sicily,Italy	38.4603N	14.9467E	170	From 1988-01-01
Lip Q Pani IE	ILIQ	Sicily,Italy	38.5100N	14.9158E	350	From 1988-01-01
Liptovska Anna	LANS	Slovakia	49.1505N	19.4678E	710	From 2010-02-25
LIRI	LIRI	Bolivia	19.8507S	68.8462W	4110	From 1994-11-21 to 1995-07-23
Lisbon	LIS	Portugal	38.7180N	9.1505W	77	
Lisbon	LS-NH	New Hampshire,U.S.A.	44.2383N	71.9225W	287	From 1963-09-27 to 1965-03-22
Lisbon	N53A	Ohio,U.S.A.	40.8065N	80.8377W	360	From 2012-12-11
Lisbon	LBNH	New Hampshire,U.S.A.	44.2401N	71.9259W	367	From 1993-08-14
Lisbon--Monsanto	PMST	Portugal	38.7368N	9.1833W	175	
Lisbon (USA)	LS-	New Hampshire,U.S.A.	44.2383N	71.9225W	287	From 1963-09-27 to 1965-03-22
Lisburne Hills	C16K	Alaska,U.S.A.	68.2746N	165.3436W	102	From 2017-08-26
Listowel	I51A	Ontario,Canada	43.8036N	81.0231W	376	From 2012-11-29
Listvyanka	LSTR	Irkutskaya Oblast',Russia	51.8681N	104.8319E	450	
Lita	LITE1	Ecuador	0.7945N	78.3611W	1206	From 2006-01-18
Lita	LITE	Ecuador	0.8078N	78.3644W	1200	From 2007-01-01
Litchfield	LITR	California,U.S.A.	40.4308N	120.3208W	1646	
Lithakia	LTHK	Greece	37.7095N	20.8367E	34	From 2015-01-22
Lithgow	LTGO	New South Wales,Australia	33.4860S	150.1660E	960	From 2012-07-27
Litla-Skogfell	ILSF	Iceland	63.9222N	22.3722W	113	From 2020-01-28
Litokhoron	LIT	Greece	40.1008N	22.4900E	480	From 1981-01-01
Little America	LAA	King Edward VII Land	78.2000S	162.2500W		
Little AP, Star	245A	Mississippi,U.S.A.	32.0322N	89.8958W	104	From 2011-03-20 to 2013-01-20
Little Aspen Butte	LAB	Oregon,U.S.A.	42.2675N	122.0640W	1774	From 1993-10-07
Little Butte	LBM	Montana,U.S.A.	46.5149N	111.8540W	1524	From 1974-10-09 to 1976-10-04
Little Cholame Creek	LCCB	California,U.S.A.	35.9801N	120.5142W	385	
Little Chuckwalla Mountains	LTC	California,U.S.A.	33.4890N	115.0700W	458	
Little Creek Mountain	LCMT	Utah,U.S.A.	37.0118N	113.2439W	1411	
Little Green Mountain	LGM	Idaho,U.S.A.	46.7330N	116.0930W	1455	From 1971-10-01 to 1974-07-25
Little Hoodo Mountain	LHD	Montana,U.S.A.	48.2578N	115.5580W	1134	
Little Horse	WLHM	California,U.S.A.	36.1524N	118.3131W	2645	
Little Hot Creek	MLHM	California,U.S.A.	37.6785N	118.8150W	2101	
Little Humpy Peak	LHUT	Utah,U.S.A.	40.8914N	110.9964W	3084	From 2008-07-08
Little Huntoon Valley	LHV	Nevada,U.S.A.	38.2512N	118.5040W		
Little Lost River	LLRI	Idaho,U.S.A.	43.7230N	112.9330W	1471	From 1990-06-06
Little Low Creek, Bella Vista, CA USA	LCOW	California	40.6424N	122.1851W	230	From 2020-01-01
Little Maria Mountains	LTM	California,U.S.A.	33.9150N	114.9180W	744	From 1974-04-01
Little Mountain	LTU	Utah,U.S.A.	41.5917N	112.2470W	1585	From 1974-09-01
Little Mountain	LMTN	Tennessee,U.S.A.	35.8868N	83.4098W	610	From 1984-03-16 to 1991-09-08
Little Mount Hoffman	LMHM	California,U.S.A.	41.5790N	121.6570W	2228	From 1979-07-12
Little Rabbit V.	BRVM	California,U.S.A.	36.4243N	121.0180W	555	From 1969-11-26
Little Rabbit Valley	LRV	California,U.S.A.	36.4243N	121.0180W	555	From 1969-11-26
Little Raleigh	RNC	North Carolina,U.S.A.	35.6318N	78.9803W		
Little Rock	LRA	Arkansas,U.S.A.	34.7783N	92.3517W	150	From 1931-02-02 to 1967-07-27
Littlerock Reservoir	LRRC	California,U.S.A.	34.5260N	118.0280W		From 1976-05-01
Little Sitkin Island	LSI	Alaska,U.S.A.	51.9197N	178.5340E		From 1970-10-20 to 1972-06-30
Little Sitkin NW	LSNW	Alaska,U.S.A.	51.9705N	178.5169E	290	
Little Sitkin PP	LSPA	Alaska,U.S.A.	51.9569N	178.5734E	335	
Little Sitkin S'e	LSSA	Alaska,U.S.A.	51.9496N	178.5132E	549	
Little Sitkin SE	LSSE	Alaska,U.S.A.	51.9332N	178.5690E	335	
Little Skull Mountain	LSN	Nevada,U.S.A.	36.7536N	116.2590W	1070	
Little Skull Mountain	LSM	Nevada,U.S.A.	36.7389N	116.2716W	1162	From 1971-07-20 to 2002-10-10
Little Table Mountain	LTMT	Montana,U.S.A.	44.5258N	112.1100W	2603	From 1989-09-14
Little Thumb Creek	YLT	Wyoming,U.S.A.	44.4370N	110.5880W	2439	
Littleton	U59A	North Carolina,U.S.A.	36.3526N	77.7925W	99	From 2013-03-21
Little Valley, CA USA	LITV	California	40.8367N	121.1127W	1557	From 2020-11-01
Liugui	SLGT	Taiwan region	22.9934N	120.6463E	255	From 2011-12-27
Liuqiu	WLCH	Taiwan region	22.3508N	120.3788E	14	From 2011-12-30
Livada	GRLR	Romania	45.3809N	26.9494E	398	From 2022-12-15
Livadero, N018	N018M	Greece	40.0416N	21.9384E	1108	
Livadi, Kephalonia	KEF4	Greece	38.2580N	20.4244E	41	From 2014-01-29
Liverpool	LVR	England,United Kingdom	53.4167N	2.9333W	60	
Living Springs Camp Governors Bay	GOVS	South Island,New Zealand	43.6524S	172.6357E	163	From 2012-12-19
Livingston	147A	Alabama,U.S.A.	32.6738N	88.2708W	57	From 2011-04-10
Livingston	LTL	U.S.A.	30.5374N	90.7660W	21	
Livingston, Bulgarian Antarctic Base	LIVV	Antarctic Peninsula	62.6365S	60.3581W	45	From 2015-12-19
Livingstonia	LIVA	Malawi	10.6138S	34.1070E	1371	From 2014-07-23 to 2015-11-04
Livorno Protezione Civile	LVNO	Italy	43.5538N	10.3204E	60	From 2019-06-25
Livramento-PB	NBLI	Paraiba,Brazil	7.3645S	36.9497W	624	From 2011-07-18
Livramento - PB, Brazil	NBLV	Paraiba	7.3584S	36.9203W	607	From 2015-06-09
Liwa	LWLI	Sumatera,Indonesia	5.0175S	104.0589E	938	From 2005-01-01
Lixouri, Cephalonia isl., Greece	LXR1	Greece	38.2007N	20.4382E	0	From 2014-01-29
Lixouri, Kephalonia	LXRA	Greece	38.2001N	20.4372E	0	From 2014-02-04
Liyang	LYP	Luzon,Philippines	14.6334N	120.4851E	100	
Liyutan	TWQ1	Taiwan region	24.3480N	120.7730E	260	
Ljotipollur	LJO	Iceland	64.0235N	19.0230W		
Ljubljana	LJU	Slovenia	46.0438N	14.5274E	396	
Lk Pillsbury D Fremont	C006	California,U.S.A.	37.5918N	122.0582W	6	From 2009-04-09
Llanada	LLA	California,U.S.A.	36.6167N	120.9430W	475	From 1961-01-01
Llanberis	YLL	Wales,United Kingdom	53.1402N	4.1704W	162	From 1984-01-01
Llano	LLAC	California,U.S.A.	34.8455N	117.4855W	1018	
Llano Grande	CTUV	Veracruz	21.4720N	98.3548W	153	
Llanos de Challe	AC04	Atacama,Chile	28.2046S	71.0739W	249	From 2014-02-08
Llanuwychllyn	LLW	Wales,United Kingdom	52.8492N	3.6650W	213	
Llaves	U22A	New Mexico,U.S.A.	36.3773N	106.8546W	2119	From 2008-05-22 to 2010-04-03
Lleida	ILER	Spain	41.6153N	0.6262E	171	From 2010-03-23
Llico	LLIC	Bio-Bio,Chile	37.2293S	73.5942W	70	
Llivia	CLLI	Spain	42.4792N	1.9741E	1411	
Llivia - Poliesportiu	LLIS	Spain	42.4626N	1.9783E	1198	From 2001-09-27
Lloa	LLOA	Ecuador	0.2328S	78.5608W	3265	
Llolleo	LLCH	Santiago,Chile	33.6105S	71.6182W	30	
Llyn Conwy	WLC	Wales,United Kingdom	52.9956N	3.7788W	440	From 1985-01-01
Llynfaes	WLF1	Wales,United Kingdom	53.2894N	4.3966W	58	From 1985-01-01
LNY01	LNY01	Saudi Arabia	25.2200N	37.9600E	828	
LNY02	LNY02	Saudi Arabia	25.1378N	37.8610E	1142	
LNY03	LNY03	Saudi Arabia	25.3799N	37.8543E	631	
LNY04	LNY04	Saudi Arabia	25.2716N	37.6450E	508	
LNY05	LNY05	Saudi Arabia	25.0460N	37.6953E	620	
LNY06	LNY06	Saudi Arabia	25.2098N	37.7781E	1044	
LNY07	LNY07	Saudi Arabia	25.1296N	37.5699E	406	
LNY08	LNY08	Saudi Arabia	25.0330N	37.8500E	1205	
LNY09	LNY09	Saudi Arabia	25.4012N	37.6614E	650	
LNY10	LNY10	Saudi Arabia	25.2700N	37.8620E	907	
LNY11	LNY11	Saudi Arabia	25.3170N	37.7728E	1015	
LNY12	LNY12	Saudi Arabia	25.2715N	37.7717E	994	
LNY13	LNY13	Saudi Arabia	25.1724N	37.6332E	524	
LNY14	LNY14	Saudi Arabia	25.2536N	37.7661E	1007	
LNY15	LNY15	Saudi Arabia	25.2600N	37.7960E	1002	
LNY16	LNY16	Saudi Arabia	25.3510N	37.5980E	489	
LNY17	LNY17	Saudi Arabia	25.2422N	37.8028E	1000	
LNYS	LNYS	Saudi Arabia	25.0815N	37.9439E	1029	
Lobatse	LBTB	Botswana	25.0145S	25.5970E	1028	From 1993-01-01
Lobethal	LBTL	South Australia,Australia	34.9052S	138.8599E	425	From 2012-02-01
Lobios	ELOB	Spain	41.8674N	8.0611W	980	
Lobor	LOBO	Croatia	46.1551N	16.0686E	372	From 2015-04-30
Localit Poggio-Vacaldola (Sant'Agata Feltria – RN)	PR02	Italy	43.8586N	12.1569E	520	From 2011-05-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Localit San Martino (Sarsina - FC)	T0502	Italy	43.9006N	12.1371E	467	From 2011-05-25 to 2011-09-29
Locarno, Pompieri	SLOP	Switzerland	46.1638N	8.7905E	200	From 2013-06-14
Loc. Casaglia - Ferrara (FE)	T0821	Italy	44.9035N	11.5405E	2	From 2012-05-20 to 2012-12-17
Loc. Cortile, Carpi (MO)	T0814	Italy	44.7933N	10.9692E	15	From 2012-05-20 to 2012-09-19
Loc. Fossa, Concordia sulla Secchia (MO)	T0818	Italy	44.9348N	11.0304E	4	From 2012-05-20 to 2012-09-19
Loc. Fossoli, Carpi (MO)	T0828	Italy	44.8308N	10.9143E	12	From 2012-05-30 to 2012-09-19
Loch Awe, Argyll & Bute	LAWE	Scotland,United Kingdom	56.2601N	5.3990W	137	From 2012-10-27
Loch Inver, Assynt	LINV	Scotland,United Kingdom	58.1470N	5.1970W	57	From 2014-09-04
Lock 6	L6KY	Kentucky,U.S.A.	37.9260N	84.8200W		
Lock 6	LGKY	Kentucky,U.S.A.	37.9260N	84.8200W	128	From 1983-11-01 to 1988-04-13
Locke Island	LOCW	Washington,U.S.A.	46.7170N	119.4308W	210	From 1982-11-01
Lockesburg	Y39A	Arkansas,U.S.A.	33.9380N	94.0936W	108	From 2010-04-29 to 2012-01-28
Lockeyer	E48A	Ontario,Canada	46.4809N	82.1653W	347	From 2012-11-02
Lockhart	LOKY	Kentucky,U.S.A.	37.2370N	88.2950W	230	From 1992-12-01
Lockwood Valley	LOK	California,U.S.A.	34.7245N	119.0910W	1570	
Loc. Limidi di Soliera, Soliera (MO)	T0824	Italy	44.7594N	10.9276E	71	From 2012-05-26 to 2012-09-19
Loc. Pratieghi (Badia Tedalda - AR)	T0503	Italy	43.7399N	12.1008E	865	From 2011-05-25 to 2011-09-29
Locquirec - 29133 - Finistre - Bretagne - France	LOCF	Bretagne	48.6787N	3.6732W	21	From 2018-07-17
Loc. Stoppiaro, Poggio Rusco (MN)	T0812	Italy	44.9547N	11.1810E	7	From 2012-05-20 to 2012-09-19
Loc. Veratica, Salara (RO)	T0817	Italy	44.9916N	11.4559E	-1	From 2012-05-20 to 2012-09-18
Lod	LODD	Israel	31.9602N	34.9022E	90	From 2018-08-15
Lodge	LDG	Alabama,U.S.A.	33.2905N	87.5350W	95	
Lodge Grass	G21A	Montana,U.S.A.	45.2250N	107.2070W	1227	From 2008-07-24 to 2010-08-11
Lodge Patagonia Sur	LOPS	Patagonia	44.1136S	73.1183W	43	From 2010-01-01
Lodgepole	LGPLA	Alberta,Canada	53.1144N	115.3560W	883	From 2013-10-25
Lodgepole	F26A	South Dakota,U.S.A.	45.8512N	102.6697W	852	From 2009-07-12 to 2011-06-23
Lødingen	N2LO	Norway	68.4003N	15.9520E	10	From 2013-08-01 to 2016-05-30
Lodi Road	LDR	Delhi,India	28.5833N	77.2167E		
Lodnugiljahaus	ILOD	Iceland	63.7344N	18.7911W	406	From 2013-09-01
Lodumlu	LOD	Turkey	39.8890N	32.7640E	902	
Lodwar	LODK	Kenya	3.4219N	35.3616E	663	From 2011-09-26
Loecknitz	LNIZ	Mecklenburg-Vorpommern	53.4935N	14.2096E	14	From 2014-10-01
Loei	LOE	Thailand	17.4063N	101.7300E	259	From 1984-08-01
Loei	LOEI	Thailand	17.5093N	101.2644E	305	
Loeriesfontein,Northern Cape Province	LOERI	South Africa	30.8556S	19.4978E	914	From 2021-07-01
Loerrach-Stetten	LOES	Baden-Wurttemberg,Germany	47.6036N	7.6654E	305	From 2004-06-16
Lofoten	LOF	Norway	68.1310N	13.5420E	80	From 1987-01-01
Logan	LOG	Utah,U.S.A.	41.7417N	111.8130W	1455	
Logan Glacier	LOGN	Alaska,U.S.A.	60.8245N	141.0028W	1665	
Loganville	J41A	Wisconsin,U.S.A.	43.3655N	90.0137W	360	From 2011-06-16 to 2013-06-06
Log Cabin	LCA	Alabama,U.S.A.	33.3067N	87.4683W	132	From 1971-01-09
Log Cabin Wilderness Lodge, Tok	L26K	Alaska,U.S.A.	63.0254N	143.3478W	650	From 2014-07-23
Logie Almond	ELO	Scotland,United Kingdom	56.4706N	3.7119W	495	From 1969-01-01
Loginova	LGNR	Kamchatskaya Oblast',Russia	56.0828N	160.6897E	2500	
Logrono	LGR	Spain	42.4578N	2.5032W	446	From 1963-01-01 to 1989-11-30
Logumkloster	NE03	Denmark	55.0450N	9.1530E	25	From 1983-02-01 to 2001-07-28
Lohaghat	LGTI	India	29.3990N	80.0879E	1671	
Lohaghat	LGAT	Nepal	29.4500N	81.8333E		
Loharsingha	LHSG	Orissa	20.8380N	83.0370E	274	From 2017-09-14
Loja	ALOJ	Spain	37.1090N	4.1050W	1340	
Lokbatan	LKB	Azerbaijan	40.3050N	49.7150E	30	From 1980-01-01
Lokbatan, Azerbaijan	MV04	Azerbaijan	40.4716N	49.7936E	10	From 2021-02-23
Lokgwabe	LKGWB	Botswana	24.1135S	21.2178E	1153	
Lokris	LKR	Greece	38.6506N	22.9994E	180	From 1997-01-01
Loliondo SS	LL21	Kenya	2.0627S	35.5510E	2040	From 2013-01-18 to 2014-12-06
Loma Alta	LALZ	El Salvador	13.5393N	88.5422W	474	
LOMA CAMPANA	NQ08	Neuquen	38.2960S	68.7836W	502	From 2022-09-15
Loma Carmona	SACA	Dominican Republic	18.9775N	69.6803W		From 1986-07-12
Loma Colora	SDD01	Dominican Republic	19.1235N	69.9732W	165	
Loma Colorada, Chiriqui	LOCO3	Panama	8.4100N	82.4180W	52	From 2010-01-01
Loma de el Viento	LEV	Venezuela	7.7661N	63.0607W	337	
Loma El Cafe	SDD07	Dominican Republic	18.7828N	70.2223W	620	
Loma El Joboban	MAVI	Dominican Republic	19.2457N	69.9117W		From 1986-09-07
Loma El Mogote	SDD04	Dominican Republic	19.4835N	70.4855W	905	
Loma en Medio	LOMO	Dominican Republic	18.8767N	68.8613W	0	
Loma La Ceniza	SDD03	Dominican Republic	19.3370N	70.0685W	410	
Loma La Naviza	DR08	Dominican Republic	18.9623N	70.0217W	640	
Loma La Naviza	DR8	Dominican Republic	18.9624N	70.0217W		
Loma Larga	LOMA	El Salvador	13.6444N	89.1712W	1165	
Loma La Sidra	LONE2	Dominican Republic	18.5537N	71.4732W	921	From 2015-08-06 to 2018-06-03
Loma Manaclilla	SDD05	Dominican Republic	19.1017N	70.4478W	425	
Loma Pena Alta	DR12	Dominican Republic	18.7878N	69.3807W	640	
Loma Prieta	JLPM	California,U.S.A.	37.1110N	121.8430W	1152	
Loma Quita	QUES	Dominican Republic	19.3530N	70.1480W	0	
Lomas de Alarcon	LOAL	El Salvador	13.9982N	89.7806W	575	
LOMAS DE OLMEDO	ALOL	Salta,Argentina	23.8148S	63.9822W	500	From 1996-10-25
Loma Siseviere	SDD02	Dominican Republic	19.6035N	69.9483W	440	
Loma Yayales	SDD08	Dominican Republic	18.9885N	69.6922W	325	
Lombego	LOMB	Azores	38.5423N	28.7430W	50	
Lombok Timur, Nusa Tenggara Barat, Indonesia	LTNI	Indonesia	8.7670S	116.4847E	77	From 2021-12-31
Lome	LOM	Togo	6.1217N	1.2133E	5	
Lometa	334A	Texas,U.S.A.	31.3325N	98.2379W	389	From 2009-11-14 to 2011-10-03
Lo Mia Camp, Pine	X16A	Arizona,U.S.A.	34.4178N	111.4411W	1759	From 2007-03-30 to 2010-05-28
Lomita	LOMS	California,U.S.A.	33.7952N	118.2790W	-173	From 1989-12-20
Lom-Kozlod	KOZAM	Bulgaria	43.8274N	23.2364E	76	From 2012-11-20
Lomont	LOMF	Franche Comte,France	47.3508N	6.8275E	1000	
Lompoc	BLP	California,U.S.A.	34.5603N	120.4000W	134	From 1969-11-01
Loncomilla	LL06	Los Lagos	42.2150S	73.6280W	180	From 2015-02-28
Londonberry	DMLD	Dominica	15.5505N	61.3014W	50	From 2021-12-05
London (Ont)	LDN	Ontario,Canada	43.0400N	81.1833W	246	From 1975-06-01
London (Ont)	LND	Ontario,Canada	43.0410N	81.1830W	246	From 1961-12-07 to 1967-05-31
Londrina, Brazil	LDASE	Brazil	23.3932S	51.1177W	578	From 2016-01-06
Lone Oak Road	LRC	California,U.S.A.	36.2465N	121.0430W	308	From 1970-08-14
Lone Oak Road	PLOM	California,U.S.A.	36.2465N	121.0430W	308	From 1970-08-14
Lone Pine	LN9	California,U.S.A.	36.5944N	118.1850W	500	
Lonesome Ridge	LRVA	Virginia,U.S.A.	36.7880N	82.7860W	1050	From 2008-04-30
Lone Star	LST	Missouri,U.S.A.	36.5230N	89.7310W	83	
Lone Tree Farm, Eben Junction	E43A	Michigan,U.S.A.	46.3758N	86.9954W	303	From 2011-09-11 to 2013-11-26
Lone Tree Road	LTR	California,U.S.A.	36.8845N	121.3080W	183	From 1970-08-17
Lone Tree Road	HLTM	California,U.S.A.	36.8845N	121.3080W	183	From 1970-08-17
Longastrino (FE)	A308A	Italy	44.5825N	12.0057E	-3	From 2015-11-03
Long Farm, Magnolia	Z40A	Arkansas,U.S.A.	33.2584N	93.3995W	78	From 2011-02-05 to 2012-11-10
Longford Drive San Jose	C016	California,U.S.A.	37.3964N	121.8670W	33	From 2009-06-24
Long Ground	MLGT	Montserrat	16.7250N	62.1623W	287	
Long Ground	MBLG	Montserrat	16.7250N	62.1623W	287	
Long Hollow	LOHW	Wyoming,U.S.A.	43.6124N	110.6040W	2121	From 1986-01-01
Longido	MAUS	Tanzania,United Republic of Tanzania	2.7400S	36.7000E	1334	
Longmire	LON	Washington,U.S.A.	46.7500N	121.8100W	854	From 1958-03-12
Longmont	O24A	Colorado,U.S.A.	40.1227N	105.0729W	1553	From 2008-07-03 to 2010-05-17
Long Mynd	HLM1	Wales,United Kingdom	52.5184N	2.8807W	429	From 1984-01-01
Longovilo	LNV	Valparaiso,Chile	33.9558S	71.4108W	160	From 1972-01-01
Long Quarter, Great Bend	R32A	Kansas,U.S.A.	38.4225N	98.7111W	573	From 2009-10-28 to 2011-08-25
Longridge	LLO	England,United Kingdom	53.8503N	2.5598W	247	From 1989-01-01 to 1991-10-14
Longtal	VKOLH	Vanuatu	15.2190S	167.1541E	118	
Longtian	LONT	Taiwan region	22.9064N	121.1299E	210	From 2014-07-28
Long Valley	LG-	Arizona,U.S.A.	34.4078N	111.5458W	1768	From 1964-04-02 to 1965-10-04
Long Valley	LVNJ	New Jersey,U.S.A.	40.8095N	74.7650W	201	From 1977-06-08
Long Valley	LG-AZ	Arizona,U.S.A.	34.4078N	111.5458W	1768	From 1964-04-02 to 1965-10-04
Longview Farm, Lees Summit	Q37A	Missouri,U.S.A.	38.8763N	94.4522W	297	From 2010-03-24 to 2012-09-14
Lonorore	LNR	Vanuatu	15.8519S	168.1600E	8	
Lookout	M05C	California,U.S.A.	41.3593N	121.1457W	1333	From 2005-06-29 to 2007-10-10
Lookout Mountain	LMCR	California,U.S.A.	37.7280N	118.9469W	2501	From 1979-11-01
Lookout Mountain	LKGA	Georgia,U.S.A.	34.6233N	85.4722W	655	From 1985-12-05
Lookout Mountain Observatory	LMO	California,U.S.A.	34.1086N	118.3880W	392	From 1971-02-12 to 1973-06-30
Lookout Mountain Observatory	LMS	California,U.S.A.	34.0692N	118.4400W	131	
Lookout Peak	LOP	Nevada,U.S.A.	36.8544N	116.1677W	1714	From 1979-01-23 to 2002-10-10
Lookout Ridge	C19K	Alaska,U.S.A.	69.1049N	159.5874W	745	From 2017-08-29
Look Rock	LRKT	Tennessee,U.S.A.	35.6340N	83.9240W	780	From 1983-10-25
Lopu atari	LOPT	Romania	45.4740N	26.5691E	780	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lopukhinka	LOPUX	Leningradskaya Oblast'	59.7320N	29.3880E	146	From 2014-12-08
Lopuszka	PL07A	Poland	49.9431N	22.4041E	227	From 2019-12-12
Lorado	LRDO	Arkansas,U.S.A.	35.9692N	90.6953W	137	From 1988-12-01
Lorca	EXLO	Spain	37.6760N	1.7000W	407	
Lorca, Murcia	ELOR	Spain	37.6391N	1.7453W	395	From 2016-09-08
Lorca, Murcia	TLOR	Spain	37.6559N	1.6889W	370	From 2011-08-01
Lorch/Rhein	WBD	Hessen,Germany	50.0847N	7.8570E	229	From 2001-11-30 to 2009-08-27
Lord Howe Island	LHI	New South Wales,Australia	31.5200S	159.0631E	73	From 2007-07-08
Loreta	A080A	Czech Republic	49.6840N	14.9288E	502	From 2015-10-12
Lore Tengah, Sulawesi Tengah	LOCM	Indonesia	1.6502S	120.1825E	1370	From 2019-01-01
Loreto	LDIP	Philippines	10.3944N	125.6135E	70	
Loreto B.C.S	NE77	Baja California	26.0150N	111.3613W	40	From 2014-08-13
Loretta	F39A	Wisconsin,U.S.A.	45.9153N	90.9190W	440	From 2011-09-08 to 2013-07-11
Lore Utara, Sulawesi Tengah	LUCM	Indonesia	1.4262S	120.3225E	1102	From 2019-01-01
Lorgues	LRG	Provence-Cote d'Azur,France	43.4547N	6.3603E	110	
Loris	Y59A	South Carolina,U.S.A.	33.9897N	78.8737W	2	From 2013-06-26
Lormes	LOR	Bourgogne,France	47.2683N	3.8589E	520	
Loro (ITA)	DIV10	Italy	45.9986N	8.2807E	247	From 2023-07-27 to 2025-12-31
Lorqui	EXLR	Spain	38.0820N	1.2530W	115	
Los Alamitos	LNAS	California,U.S.A.	33.7892N	118.0550W	-50	From 1972-05-01
Los Alamos	LOA	New Mexico,U.S.A.	35.8247N	106.2940W	2144	From 1972-01-12 to 1999-08-25
Los Alamos Infrasonic Array Beam Ref. Pt.	LSIAR	New Mexico,U.S.A.	36.7681N	106.3340W		
Los Alamos Infrasonic Array Site 1	LSI01	New Mexico,U.S.A.	36.7681N	106.3340W		
Los Alamos Infrasonic Array Site 2	LSI02	Colorado,U.S.A.	36.8619N	105.2269W		
Los Alamos Infrasonic Array Site 3	LSI03	New Mexico,U.S.A.	36.9657N	105.3340W		
Los Alamos Infrasonic Array Site 4	LSI04	New Mexico,U.S.A.	36.8619N	107.4411W		
Los Angeles, F5	TUF5	Nicaragua	11.5821N	86.0189W	106	
Los Angeles Museum of Natural History	LCM	California,U.S.A.	34.0178N	118.2870W		From 1971-08-01
Los Arroyos	DAIG	Guerrero	17.0213N	99.6507W	241	From 2015-04-20
Los Banos	LBPH	Luzon,Philippines	14.1540N	121.1800E	300	
Los Banos, Laguna	LBLP	Luzon	14.1640N	121.2160E	100	From 2012-10-15
Los Cabezos	BQT2	Panama	8.7870N	82.4350W	1190	
Los Chiles	ACLS	Costa Rica	11.0312N	84.7176W	41	
Los Chiles	LCHIL	Costa Rica,Costa Rica	11.0360N	84.7150W	58	
Los Chiles	LCH0	Costa Rica	11.0750N	84.6963W	89	
Los Chungos	CHNG	Coquimbo,Chile	31.8828S	71.4998W	27	From 2005-03-12
Los crdobas, Cordoba	LCBC	Colombia	8.8570N	76.3680W	75	From 2013-11-17
Los Guajares, Granada	ELGU	Spain	36.8678N	3.6266W	847	From 2011-10-26
Los Guarumos	LGUZ	El Salvador	13.6447N	88.5613W	220	
Los Lagos	LOLA	Costa Rica	10.4900N	84.7137W	550	
Los LLanos de Aridane, La Palma	CLLA	Canary Islands	28.6167N	17.9099W	271	From 2017-11-09
Los Malcriados, LAN	LANMX	Baja California	31.6353N	116.4935W	172	
Los Molles	MOCH	Valparaiso,Chile	32.2319S	71.5069W	15	
Los Montesinos	ETRV	Spain	38.0203N	0.7627W	39	
Los Morros	CEN1	Antofagasta,Chile	23.3897S	70.2000W	1090	From 2005-09-16
Los Muermos	LL05	Los Lagos	41.4053S	73.4744W	208	From 2015-02-04
Los Naranjos, Chiriqui	LNBQ3	Panama	8.7910N	82.4410W	1185	From 2010-01-01
Los Niches	NICH	Maule,Chile	35.0026S	71.2296W	220	From 2004-06-03
Los Osos Digital	LSDC	California,U.S.A.	35.2973N	120.8430W	244	
Losov	LOSC	Czech Republic	49.6217N	17.3717E	383	From 2014-11-27
Los Pargos	PARG	Costa Rica	10.1983N	85.8230W	20	From 1999-12-06 to 2000-06-18
L'Ospedale	OSPF	Corse,France	41.6632N	9.1915E	965	From 2003-01-01
Los Peladeros	CO04	Coquimbo	32.0433S	70.9747W	2408	From 2014-02-07
Los Pinos Mountain	LPM	New Mexico,U.S.A.	34.3117N	106.6320W	1737	From 1976-01-01
Los Pintados	PINT	Chile	20.7613S	69.3973W	1146	From 2009-12-05
Los Planes de Bahia Drake, Puntarenas	PLAN	Costa Rica	8.6710N	83.6805W	133	From 2015-06-04
Los Potreros, B5	TUB5	Nicaragua	11.5135N	84.8355W	62	
Los Queltehues	LQT	Santiago,Chile	33.8147S	70.2119W	1400	From 1976-06-26
Los Ranchones	G03S	Maule	34.3267S	71.9612W	111	
Los Realejos, Tenerife	CREA	Canary Islands	28.3529N	16.5807W	940	From 2017-03-31
Los Roques	LORO	Venezuela	11.9520N	66.6768W	69	From 1984-01-01
Lossen Ranch, Watonga	V33A	Oklahoma,U.S.A.	35.8209N	98.2862W	420	From 2009-10-31 to 2011-09-01
Losser	NE31	Netherlands	52.2641N	7.0066E	35	
Lossi	LOSSI	Norway	68.1910N	17.7915E	776	From 2020-10-13
Los Tablones	LTG	Guatemala	14.9625N	90.1553W	928	From 1978-06-01 to 1999-08-25
Lost Marbles Ranch, Westfall	I09A	Oregon,U.S.A.	43.9733N	117.7407W	950	From 2006-07-27 to 2008-07-11
Lostock Dam	LOSM	New South Wales,Australia	32.3304S	151.4556E	109	
Los Trancos	JLTM	California,U.S.A.	37.3537N	122.2040W	270	From 1966-12-15
Los Trancos Road	JTRM	California,U.S.A.	37.3522N	122.1980W	251	
Los Trancos Woods	LTW	California,U.S.A.	37.3537N	122.2040W	270	From 1966-12-15
Lost Valley Reservoir	LVRI	Idaho,U.S.A.	44.9447N	116.4520W	1700	From 1991-08-01
Losuia	LOSU	D'Entrecasteaux Islands,Papua New Guinea	8.5119S	151.0740E	10	From 1983-12-08
Los Vilos	VICH	Coquimbo,Chile	31.9112S	71.5104W	44	
Lot 18 Range III Mazenod Township	D51A	Quebec,Canada	47.0904N	79.3733W	282	From 2012-10-23
Lotan	LOTA	Israel	29.9882N	35.0866E	139	From 2018-06-26
Lotru	LOT	Romania	45.4481N	23.7694E	1240	
Loudon	V51A	Tennessee,U.S.A.	35.8033N	84.3511W	243	From 2012-05-08
Louisa	IP03	Virginia,U.S.A.	38.0205N	78.0147W	152	
Louis Bay	LOU	Alaska,U.S.A.	60.4655N	147.6440W	490	
Louis Trichardt	LTT	Cape Province,South Africa	29.7233S	23.0150E	1006	
Louisville	Z46A	Mississippi,U.S.A.	33.1933N	88.9414W	125	From 2011-04-17 to 2013-01-29
Loup City	LCNC	Nebraska,U.S.A.	41.3083N	98.9387W	671	
Loup City	LCNE	Nebraska,U.S.A.	41.3083N	98.9387W	671	
Lourdes	PYLO	Midi-Pyrenees,France	43.0982N	0.0478W	407	From 2001-07-24
Loures	PLOU	Portugal	38.8852N	9.1518W	180	
Loutra Irminis,Achaia	YRMI	Greece	38.1025N	21.3498E	6	From 2018-10-28
Loutraki	LOUT	Greece	37.9879N	22.9743E	307	From 2010-05-27
Loutraki	LTK	Greece	38.0230N	22.9670E	410	From 2006-01-01
Loutraki	LTRA	Greece	37.9754N	22.9766E	100	From 2008-03-15
Loutraki	S017	Greece	37.9540N	23.0120E	234	
Loutraki	LTRS	Greece	37.9753N	22.9765E	3	From 2020-02-13
Loutropirgos, AT03	AT03E	Greece	38.0268N	23.4677E	32	
Lovce	A335A	Slovakia	48.4469N	18.3359E	320	From 2015-08-13
Love County	LOOK	Oklahoma,U.S.A.	33.9924N	97.1800W	286	From 2015-05-01
Lovejoy Buttes	LJB	California,U.S.A.	34.5912N	117.8480W	899	From 1977-12-01
Lovelace Mesa, Carrizozo	Y23A	New Mexico,U.S.A.	33.9315N	106.0549W	1789	From 2008-04-12 to 2010-03-12
Lovelock	LO-	Nevada,U.S.A.	39.9353N	118.8394W	1280	From 1963-02-23 to 1963-03-29
Lovelock	LO-NV	Nevada,U.S.A.	39.9353N	118.8394W	1280	From 1963-02-23 to 1963-03-29
Lovelock	LVK	Nevada,U.S.A.	40.1870N	118.5250W	1225	From 1969-11-05 to 1975-11-30
Loviisa	LOVF	Finland	60.4408N	26.2849E	48	From 2021-12-16
Lovikneset	N2B3	Norway	61.8250N	4.9530E	10	
Lovozero	LVZ	Karel'skaya,Russia	67.8979N	34.6514E	630	
Lower Browns Hole	LBUT	Utah,U.S.A.	41.3097N	111.7320W	1768	From 1978-06-01 to 1981-05-31
Lower Hutt GNS Nuclear Sciences	INSS	North Island,New Zealand	41.2335S	174.9211E	32	From 2000-05-16
Lower Hutt Haywards Substation	HSSS	North Island,New Zealand	41.1519S	174.9815E	124	From 2002-06-14
Lower Hutt IRL	LIRS	North Island,New Zealand	41.2323S	174.9193E	-1	From 2011-05-31
Lower Hutt Normandale	LHBS	North Island,New Zealand	41.1966S	174.8923E	236	From 2005-06-01
Lower Hutt Normandale Rock Site	LHRS	North Island,New Zealand	41.2047S	174.8932E	125	From 2001-11-08
Lower Hutt St Orans College	SOCS	North Island	41.2043S	174.9159E	10	From 2002-04-03
Lowerie	VSARA	Vanuatu	15.2293S	166.9926E	322	
Lower Mag Wash	LWA	Utah,U.S.A.	38.4903N	112.8610W	1817	
Loyalton	LOY	California,U.S.A.	39.6586N	120.2368W	1582	
Loyola University of Chicago, IL, USA	LOIL	Illinois	41.9996N	87.6576W	181	From 2016-02-17 to 2599-12-31
Loznitsa	LOZB	Bulgaria	43.3701N	26.5930E	342	From 2012-11-20
LS01	LS01	Baja California	31.8558N	115.1897W	11	
LS02	LS02	Baja California	32.0483N	115.2472W	18	
LS03	LS03	Baja California	31.2053N	115.3190W	12	
LS04	LS04	Baja California	32.3955N	115.3508W	33	
LS05	LS05	Baja California	32.5022N	115.2967W	13	
LS06	LS06	Baja California	32.5242N	115.4310W	14	
LS07	LS07	Baja California	32.5527N	115.5908W	10	
LS08	LS08	Baja California	32.5865N	115.7587W	40	
LS09	LS09	Baja California	32.4655N	115.7440W	5	
LS10	LS10	Baja California	32.3113N	115.6995W	0	
LS11	LS11	Baja California	32.1465N	115.5293W	0	
LS12	LS12	Baja California	32.0623N	115.4272W	3	
LS13	LS13	Baja California	31.9338N	115.4012W	17	
LS14	LS14	Baja California	31.8430N	115.2843W	10	
Lskr Muir 01	LM01	Western Australia	34.3950S	116.7914E	248	From 2018-09-18 to 2019-02-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lualailua	LLAH	Hawaii,U.S.A.	20.6270N	156.3103W	683	
Luanda	LUA	Angola	8.5000S	13.2333E	69	
Lubang	LUBP	Mindoro,Philippines	13.7340N	120.2460E	50	
Lubango	LUBAN	Angola	14.9059S	13.4483E	1918	From 2018-07-31
Lubar, Ukraine	LUBAR	Ukraine	49.9205N	27.7576E	260	From 1997-02-12
Lubbock	LUB	Texas,U.S.A.	33.5833N	101.8670W	979	From 1948-06-01
Lubilhac	LBL	Auvergne,France	45.2323N	3.2470E	950	
Luboga	LBGA	Democratic Republic of the Congo	1.2650S	29.1170E	1850	
Lubrecht Forest	LFM	Montana,U.S.A.	46.8898N	113.4530W	1256	From 1974-08-02 to 1976-10-04
Lubudi	LBC	Democratic Republic of the Congo	9.9000S	25.9833E	1375	From 1966-12-01 to 1999-08-25
Lubuk Linggau Barat, Sumatera Selatan	LLSI	Indonesia	3.2784S	102.9139E	129	From 2019-10-01
Lubumbashi	LBB	Democratic Republic of the Congo	11.6300S	27.4800E	1283	
Lubumbashi	ELI	Democratic Republic of the Congo	11.6500S	27.4667E	1245	
Luby	LUBY	Czech Republic	50.2602N	12.3592E	625	
Luby	LBCW	Czech Republic	50.2655N	12.4123E	638	From 2000-01-01
Lucas Creek	LCW	Washington,U.S.A.	46.6707N	122.7008W	396	
Lucas Heights	LHBM	New South Wales,Australia	34.0537S	150.9786E	168	
Lucca	TLUC	Italy	43.9130N	10.5250E	109	From 1998-03-28
Lucedale	LD2MS	Mississippi,U.S.A.	30.8528N	88.5406W	79	
Lucedale	LD-	Mississippi,U.S.A.	30.9500N	88.8833W	70	From 1966-11-13 to 1966-12-03
Lucedale	447A	Mississippi,U.S.A.	30.7952N	88.6542W	34	From 2011-03-18 to 2012-12-13
Lucedale	LD-MS	Mississippi,U.S.A.	30.9500N	88.8833W	70	From 1966-11-13 to 1966-12-03
Lucedale	LD3MS	Mississippi,U.S.A.	30.6661N	89.0436W	46	
Lucera (FG) Italy	OT11	Italy	41.5146N	15.3353E	0	From 2013-04-15
Luceram	LUCF	Provence-Cote d'Azur,France	43.8925N	7.3462E	1087	From 2006-05-17 to 2013-09-17
LUCKNOW	LKN	Uttar Pradesh	26.7660N	80.8830E	117	From 2017-01-17
Lucky Boy Pass	LBP	Nevada,U.S.A.	38.4320N	118.7390W	2280	
Lucky Star	LSUT	Utah,U.S.A.	41.6848N	111.5580W	2225	From 1979-11-01 to 2004-03-11
Lucoli (AQ)	RM01	Italy	42.2767N	13.3356E	1350	From 2009-04-06 to 2009-08-31
Lucq-de-Bearn	LDBL	Aquitaine,France	43.3189N	0.6139W	250	
Luda	DAI	Liaoning,China	38.9000N	121.6330E	97	
Ludao	LDUT	Taiwan region	22.6733N	121.4693E	23	From 2014-07-25
Luebbecke	LUEB	Germany	52.2966N	8.6993E	153	From 2019-02-26
Luebbering	R42A	Missouri,U.S.A.	38.2804N	90.7944W	218	From 2011-07-25 to 2013-04-13
Luena	LUENA	Angola	12.3708S	19.9104E	897	From 2018-07-31
Luepa	LUEV	Venezuela	5.8430N	61.4610W	1380	From 2003-06-04
Luesalemba Temotu	LUES	Vanuatu	10.6617S	165.9138E	61	From 2018-10-30
Lugano, Universit d. Svizzera Italiana, TI	SUSI	Switzerland	46.0104N	8.9587E	279	From 2017-05-08
Luganville	LUG	Vanuatu	15.5178S	167.1300E	150	
Lugnano (Citt di Castello) - PG	AT02	Italy	43.3681N	12.1744E	360	From 2010-04-01
Lugo	EXLU	Spain	43.0120N	7.5540W	466	
LUINO	LUI	Italy	45.9991N	8.7842E	461	From 2012-11-13
Lujali _Shirvan	SLJL	Iran	37.6493N	57.8915E	2219	From 2020-09-06
Lujan	LUJA	Costa Rica,Costa Rica	9.9260N	84.0720W	1196	
Luka	LUKC	Czech Republic	49.6543N	16.9742E	470	From 2015-11-19
Lukban	LQP	Luzon,Philippines	14.1120N	121.5390E	1650	
Luk Keng	HKLK	Hong Kong,China	22.5138N	114.2106E	90	From 1997-04-23
Lukmanier-Pass	LUKA1	Switzerland	46.5647N	8.8001E	1921	From 2005-12-15
Lumbang, Jawa Timur	LUJI	Indonesia	7.8260S	113.0107E	604	From 2019-10-01
Lumberton	LU-MS	Mississippi,U.S.A.	31.0389N	89.2389W	91	
Lumbreras	ALUM	Salta,Argentina	25.2382S	64.8787W	812	
Lummi Island	A04D	Washington,U.S.A.	48.7201N	122.7063W	13	
Lumpkin	252A	Georgia,U.S.A.	31.9962N	84.7357W	142	From 2012-03-11
Lumpola	LUMP	Xizang Zizhiqu,China	31.8991N	89.9325E	4619	From 1997-07-11 to 1998-07-15
Lumut, Sumatera Utara	LTSM	Indonesia	1.5294N	98.9305E	5	From 2019-01-01
Lunacharskoye	LNC	Uzbekistan	41.3333N	69.3500E		
Lund	LUN	Sweden	55.6983N	13.1867E	32	
Lund	LUNU	Sweden	55.6320N	13.4468E	128	From 2008-02-21
Lundy Lake	LUL	California,U.S.A.	38.0522N	119.1813W	2243	
Luning	LNG	Nevada,U.S.A.	38.6150N	118.2100W		
L-Universita ta' Malta, Msida	MSIDA	Malta	35.9012N	14.4840E	48	From 2014-12-19
Lunyuk, Sumbawa, Nusat Tenggara Barat, Indonesia	LSNI	Indonesia	8.9666S	117.2183E	53	From 2021-12-31
Lunz Road, Clintonville	WI03	Wisconsin,U.S.A.	44.6529N	88.7335W	262	
Luogosano	LGS3	Italy	40.9865N	14.9906E	413	
Luoshao	TQ14	Taiwan region	24.2067N	121.4564E	1333	From 2017-05-22
LuoYang	LYN	Henan	34.5510N	112.4680E	170	From 2009-01-01
Lupara (CB)	T1412	Italia	41.7839N	14.7675E	420	From 2018-08-17 to 2018-10-24
Lupeni	GSLR	Romania	45.3438N	23.2071E	764	From 2023-02-22
Luperon	LUDR	Dominican Republic	19.8932N	70.9531W	44	From 2013-12-20
Luperon, Puerto Plata	LOLU	Dominican Republic	19.9101N	71.0021W	44	From 2021-04-21
Lupin Mine	LUPN	Northwest Territories,Canada	65.7383N	111.2569W	505	
Luque	ELUQ	Spain	37.5605N	4.2668W	703	From 1992-01-23
Luri	LURI	Corse,France	42.8988N	9.3958E	180	From 1989-11-01 to 2008-03-11
Lusahovit	LSVT	Armenia	40.9168N	45.1899E	942	
Lusaka	LSZ	Zambia	15.2766S	28.1882E	1184	From 1984-01-01
Lusaka	LUS	Zambia	15.3837S	28.3312E	1259	From 1971-01-01 to 1999-08-25
Lushui	TQ03	Taiwan region	24.1777N	121.5074E	412	From 2016-07-28
Lussari	LSR	Italy	46.4758N	13.5278E	1750	From 1988-01-01
Lusurasco	A285A	Italy	44.8939N	9.9098E	152	From 2015-09-16
Lutao	TWH	Taiwan region	22.7103N	121.4773E	50	From 1974-09-17
Lutertal, Dagmarsellen	DAGMA	Switzerland	47.2308N	8.0125E	559	From 2013-04-11
Luther M School	OK005	Oklahoma,U.S.A.	35.6549N	97.1911W	298	
Lutirano	LMD	Italy	44.0775N	11.7073E	450	
Luwuk	LUWI	Sulawesi,Indonesia	1.0418S	122.7717E	6	From 2008-03-09
Luxembourg	LUX	Luxembourg	49.6000N	6.1333E		
Luz	PLUZ	Azores,Portugal	39.0164N	27.9773W	98	From 2005-08-01
Luzern Bramberg	SLUB	Switzerland	47.0579N	8.3055E	508	From 2011-12-01
Luzern Kirche, LU	SLUK	Switzerland	47.0479N	8.3083E	435	From 2013-11-30
Luzern Werkhofstrasse	SLUW	Luzern,Switzerland	47.0463N	8.3179E	436	From 2010-12-01
Luzern Zentralbibliothek	SLUZ	Switzerland	47.0483N	8.3077E	435	From 2012-05-30
Luzhba, Kemerovskaya Oblast', Russia	LUZB	Kemerovskaya Oblast',Russia	53.6611N	88.9001E	489	From 2006-01-01
Luzzogno	DIV07	Italy	45.9066N	8.3396E	746	From 2021-10-19 to 2025-12-31
L'vov	LVV	Carpathian Mountains	49.8190N	24.0310E	320	
Lwanjilo	JILO	Tanzania	8.7261S	33.5663E	2002	From 2013-08-11 to 2015-11-04
Lwiro	LWI	Democratic Republic of the Congo	2.2392S	28.8025E	1760	From 1953-01-01
Lwondulwo boma	LN34	Tanzania	2.7510S	36.0485E	1066	From 2013-01-21 to 2014-12-07
Lyangar	LNA	Tajikistan	38.4000N	69.3500E	2200	From 1964-01-01
Lycee	ELFMC	Switzerland	47.3855N	8.5996E	650	From 2010-05-11
Lyman	M18A	Wyoming,U.S.A.	41.4272N	110.0674W	2103	From 2007-10-27 to 2009-05-21
Lyman	LYW	Washington,U.S.A.	48.5353N	122.1020W	107	From 1975-04-16
Lynden	LY-WA	Washington,U.S.A.	48.6475N	122.2028W	122	
Lyndonville	H61A	Vermont,U.S.A.	44.5339N	71.9271W	462	From 2013-09-21
Lynn Haven	552A	Florida,U.S.A.	30.1327N	85.2938W	17	From 2012-02-06
Lynnwood City Hall ANSS-SMO	LYNC	Washington,U.S.A.	47.8255N	122.2938W	19	From 2005-02-08
Lyon Mountain	LYMT	Montana,U.S.A.	46.9700N	112.2895W	2237	From 1996-08-31
Lyons Estate	DLE	Ireland	53.2872N	6.5436W	140	From 1980-04-25 to 1990-12-31
Lyons Farm	DLF	Ireland	53.2958N	6.5314W	96	From 1990-08-01
Lysite	J21A	Wyoming,U.S.A.	43.3459N	107.4459W	1913	From 2008-08-07 to 2010-09-11
Lytham Saint Anne's	LLY	England,United Kingdom	53.7975N	2.9069W	33	From 1989-01-01
Lyttelton Port	LPDS	South Island	43.6063S	172.7098E	0	From 2018-08-24
M01A	M01A	Pacific Ocean West Coast USA	49.1504N	126.7221W	-132	From 2011-10-18 to 2012-07-15
M01C7	M01C7	Pacific Ocean West Coast USA	49.1504N	126.7222W	-138	From 2013-08-19 to 2014-05-30
M02A	M02A	Pacific Ocean West Coast USA	48.3070N	125.6004W	-139	From 2011-10-18 to 2012-07-15
M02C7	M02C7	Pacific Ocean West Coast USA	48.3069N	125.6012W	-141	From 2013-08-19 to 2014-05-30
M03A	M03A	Pacific Ocean West Coast USA	47.8883N	126.1040W	-1818	From 2011-10-19 to 2012-07-11
M03C7	M03C7	Pacific Ocean West Coast USA	47.8884N	126.1046W	-1839	From 2013-08-19 to 2014-05-30
M04C7	M04C7	Pacific Ocean West Coast USA	45.5584N	125.1923W	-570	From 2013-08-19 to 2014-05-29
M05C7	M05C7	Pacific Ocean West Coast USA	46.1735N	124.9345W	-837	From 2013-08-19 to 2014-05-29
M06A	M06A	Pacific Ocean West Coast USA	45.5295N	124.9268W	-1439	From 2011-10-16 to 2012-07-17
M06C7	M06C7	Pacific Ocean West Coast USA	45.5287N	124.9261W	-1460	From 2013-09-05 to 2014-06-24
M07A7	M07A7	Pacific Ocean West Coast USA	44.8987N	125.1168W	-1356	From 2011-10-16 to 2012-07-14
M07C	M07C	Pacific Ocean West Coast USA	44.8988N	125.1168W	-1365	From 2013-08-21 to 2014-01-16
M08A7	M08A7	Pacific Ocean West Coast USA	44.1187N	124.8953W	-126	From 2011-10-21 to 2012-07-17
M08C	M08C	Pacific Ocean West Coast USA	44.1185N	124.8954W	-131	From 2013-08-21 to 2014-06-01
M09B	M09B	Pacific Ocean West Coast USA	44.2497N	125.0589W	-914	From 2012-07-17 to 2013-06-28
M10B	M10B	Pacific Ocean West Coast USA	43.6248N	124.9728W	-675	From 2012-07-16 to 2013-06-29
M11B	M11B	Pacific Ocean West Coast USA	42.9320N	125.0171W	-1109	From 2012-09-01 to 2013-06-18
M12	M12	Hawaii,U.S.A.	19.3948N	155.3080W	1116	From 1972-12-01 to 1973-02-28
M12B	M12B	Pacific Ocean West Coast USA	42.1840N	124.9461W	-1045	From 2012-09-01 to 2013-06-18

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
M13B	M13B	Pacific Ocean West Coast USA	41.6715N	124.8596W	-909	From 2012-09-18 to 2013-06-30
M13D	M13D	Pacific Ocean West Coast USA	43.5973N	125.0446W	-990	From 2014-09-09 to 2015-10-03
M14B	M14B	Pacific Ocean West Coast USA	40.9850N	124.5897W	-638	From 2012-09-01 to 2013-06-19
M14D	M14D	Pacific Ocean West Coast USA	42.9136N	124.9779W	-997	From 2014-09-10 to 2015-10-09
M15D	M15D	Pacific Ocean West Coast USA	42.2107N	124.9074W	-933	From 2014-09-11 to 2015-06-27
M16D	M16D	Pacific Ocean West Coast USA	41.6618N	124.8071W	-882	From 2014-08-12 to 2015-09-17
M17D	M17D	Pacific Ocean West Coast USA	41.0370N	124.6298W	-749	From 2014-09-12 to 2015-10-08
M18B	M18B	Pacific Ocean West Coast USA	44.8871N	124.9712W	-720	From 2012-07-14 to 2013-06-27
Maale Efrayim	MEFR	Israel	32.0708N	35.4033E	232	From 2018-02-20
Ma'ale Noah	NOH	Israel	30.6890N	34.9620E	680	
Maan	HSNJ	Jordan	30.2560N	35.6870E	1180	
Maars	MRS	Alaska,U.S.A.	57.8567N	156.4890W	131	From 1977-05-20
Maaselka	MSF	Finland	65.9113N	29.0402E	365	
Maasin	MSLP	Leyte,Philippines	10.1347N	124.8589E	90	
Mabed	MABD	Egypt	22.9726N	32.3258E	280	
Mabini Batangas, Philippines	MABP	Luzon	13.7071N	120.9178E	120	From 2022-03-09
Mabote, A3G66	M3G66	Mozambique	22.0517S	34.1237E	166	
Mabujiaxiang, Xizang Zizhiqu	MAZA	Xizang Zizhiqu,China	28.6713N	87.8553E	4367	From 2002-07-24 to 2002-11-07
Macae	CAM1	Rio de Janeiro,Brazil	22.3978S	41.8338W	139	
Macagua	GMC	Venezuela	8.3000N	62.6833W		
Macapa, AP	MCPB	Para	0.3602S	52.0567W	127	From 2014-07-28
Macapo	MAPV	Venezuela	9.8308N	68.4573W	355	From 2008-01-16
Macaracas	MACA3	Panama	7.7330N	80.5510W	110	
Macar, Loja	MCRA	Ecuador	4.3697S	79.9544W	540	From 2012-08-24
Macarena, Meta	MACC	Colombia	2.1452N	73.8476W	283	From 2013-05-27
Macas	MACE	Ecuador	2.2549S	78.1985W	1553	From 2006-01-22
Macavene	MSGR	Mozambique	23.8300S	32.1800E	103	
Macchia Valfortore	MVF	Italy	41.5944N	14.9102E	439	From 2003-10-01
Macdoel	M04C	California,U.S.A.	41.7826N	121.8393W	1391	From 2005-06-30 to 2007-10-23
Macedon	MACM	Victoria,Australia	37.4303S	144.6910E	576	
Macedonia Univ,	TMU2	Greece	40.6255N	22.9596E	45	From 2008-09-30
Machachi 1	MAC1	Ecuador	0.5343S	78.4821W	3544	From 2020-10-28 to 2020-11-04
Machachi 2	MAC2	Ecuador	0.5210S	78.5272W	3122	From 2020-10-28 to 2020-11-04
Machachi 3	MAC3	Ecuador	0.5140S	78.4958W	3386	From 2020-10-28 to 2020-11-04
Machachi 5	MAC5	Ecuador	0.4366S	78.5312W	2887	From 2020-10-28 to 2020-11-04
Machasi, A3433	M3433	Mozambique	20.8238S	33.3682E	250	
Machin, LAJA	LAJAC	Colombia	4.4958N	75.4157W	2600	
Machiques	MCHV	Venezuela	10.0460N	72.5800W	0	
Machiques	MCQV	Venezuela	10.0499N	72.5350W	120	From 2014-10-02
Machtesh Katan	MKT	Israel	30.9480N	35.1520E	520	From 1983-01-01
Macinaw City Comets, Mackinaw City	F46A	Michigan,U.S.A.	45.7737N	84.7586W	198	From 2011-10-10 to 2013-06-12
Mackay	I14A	Idaho,U.S.A.	43.9286N	113.4518W	1897	From 2007-08-13 to 2009-08-13
MacKay Lake North	MCKN	Northwest Territories,Canada	64.1980N	110.2132W	431	
Mackay Peak	MCPI	Idaho,U.S.A.	43.9003N	113.7040W	2902	From 1983-11-01
MacKenzie Ranch, Jordan Valley	K10A	Oregon,U.S.A.	42.7779N	116.8705W	1701	From 2006-12-16 to 2008-07-24
Mack Ranch, Harrison	K25A	Nebraska,U.S.A.	42.6120N	103.8705W	1437	From 2008-11-15 to 2010-10-02
Macossa, A0302	M0302	Mozambique	17.9578S	34.1723E	352	
Macquarie Island	MQI	Macquarie Islands,Australia	54.5200S	158.9300E	250	
Macquarie Island	MCQ	Macquarie Islands,Australia	54.4986S	158.9560E	14	From 1950-06-01
Mactan	MAP	Cebu,Philippines	10.3228N	123.9807E	137	From 1980-01-22
Macugnaga	MCGN	Italy	45.9575N	7.9878E	1185	
Madalena	PMAD	Azores	38.5353N	28.5052W	80	From 2016-04-07
Madang	MDG	Papua New Guinea	5.2501S	145.7800E	27	From 1974-12-01
Madang	MAD	Papua New Guinea	5.2333S	145.8000E		
Madden Dam	MAD3	Panama	9.2122N	79.6162W	60	
Maddies Station, St. Elizabeth	R40A	Missouri,U.S.A.	38.2909N	92.2684W	213	From 2010-12-09 to 2012-09-13
Maddock	MDND	North Dakota,U.S.A.	47.8481N	99.6029W	479	From 2008-09-03
Madeira	PMAR	Madeira Islands,Portugal	32.7237N	16.9137W	1605	
Madeiral	SVMA	Cape Verde Islands	16.8400N	24.9200W	195	From 2013-03-21
Madeleine	MADF	Aquitaine,France	43.1457N	0.8195W	535	
Maden	MDNT	Turkey,Turkey	38.3931N	39.6821E	1138	
Maden, Elazı	MDUR	Turkey	38.4320N	39.4749E	785	From 2021-12-29
Madha	MDH	Oman	25.2987N	56.2983E	185	
Madinat Zayed	MZWR	United Arab Emirates	23.7610N	53.8799E	65	
Madison	MDS	Wisconsin,U.S.A.	43.3722N	89.7600W	278	From 1962-01-16 to 1968-06-10
Madison Junction	MJW	Wyoming,U.S.A.	44.6483N	110.8590W	2111	From 1964-01-01 to 1999-08-25
Madison River	YMR	Wyoming,U.S.A.	44.6687N	110.9650W	2149	
Madoc	MADO	Ontario,Canada	44.4360N	77.4708W	138	
Madonna delle Grazie (Coppito)	T0104	Italy	42.3599N	13.3382E	754	From 2009-04-07
Madonna di Cristo (FG) Italy	OT05	Italy	41.6592N	15.6026E	180	From 2013-04-15
Madrakah	MDRAS	Saudi Arabia	22.0879N	40.0017E	896	
Madras	MDR	Tamil Nadu,India	13.0000N	80.1833E	15	
Madras	H05A	Oregon,U.S.A.	44.6473N	121.2271W	720	From 2005-12-09 to 2008-01-30
Madrejon	MAPY	Paraguay	20.6370S	59.8836W	140	From 2017-03-11 to 2020-12-30
Madrid	EXMAD	Spain	40.4091N	3.6881W	653	From 2020-01-01
Madrid	MDD	Spain	40.4000N	3.6833W		
Madrid Canyon Road, Trinidad	HGTCO	Colorado,U.S.A.	37.1075N	104.6740W	2109	
Madsous	MADS	Saudi Arabia	29.1080N	35.0730E	645	From 1993-09-01
Madunda	UNDA	Tanzania	9.8536S	34.4738E	1767	From 2014-07-08 to 2015-11-04
Maebashi	MAE	Gumma,Japan	36.4017N	139.0650E	112	
Maebashi 2	MAEJ	Gumma,Japan	36.5377N	139.1795E	1665	From 1989-03-25
Maesarieng	MHMT	Thailand	18.1764N	97.9310E	164	
Maesberg Ranch, Thedford	L29A	Nebraska,U.S.A.	42.0641N	100.4779W	901	From 2009-06-04 to 2011-04-09
Mafambisse, A3522	M3522	Mozambique	19.5253S	34.6075E	8	
Mafinga	MAFI	Tanzania,United Republic of Tanzania	8.3057S	35.3133E	1866	
Mafra	PMAFR	Portugal	38.9554N	9.2827W	329	From 2006-07-31
Magadan	MA2	Magadanskaya Oblast',Russia	59.5753N	150.7680E	339	
Magadan	MAG	Magadanskaya Oblast',Russia	59.5540N	150.8050E	50	
Magadan 1	MGD	Magadanskaya Oblast',Russia	60.0460N	150.7300E	221	
Magadan Thermoelectric Plant	TEC1	Magadanskaya Oblast',Russia	59.5840N	150.7890E	65	
Magadi	MAGK	Kenya	1.9182S	36.2873E	660	From 1994-02-01
Magadini PS	LN35	Tanzania	2.6304S	36.0059E	652	From 2013-01-21 to 2014-12-07
Magadi Soda Vault	KEN2	Kenya	1.9184S	36.2873E	687	From 2013-07-10 to 2014-12-02
Magalia	MGL	California,U.S.A.	39.8117N	121.5580W	1010	From 1966-06-01
Magara	MGRA	Tanzania,United Republic of Tanzania	3.8100S	35.6905E	994	
Magasa	MAGA	Italy	45.7753N	10.6286E	1265	From 2006-06-21
Magazine	W39A	Arkansas,U.S.A.	35.1960N	93.7840W	162	From 2011-01-29
Magazine Ridge	OKFG	Alaska,U.S.A.	53.4107N	167.9115W	201	
Magba, CM19	ACM19	Cameroon	5.9750N	11.2320E	701	
Magdalena	MGDN	Patagonia	44.6349S	72.9251W	58	From 2016-01-05
Magdalena	MAG1	Ecuador	0.0722S	79.7733W	316	From 2005-08-24
Magdalena	MMG	Guatemala	14.5380N	90.6815W	2190	From 1975-03-01
Magdalena	MAGD	Ecuador	0.0685S	79.7738W	340	
Magdalen Islands	MADG	Gulf of St. Lawrence,Canada	47.2748N	61.6892W	78	From 2005-10-01
Mageik Landslide	MGLS	Alaska,U.S.A.	58.1343N	155.1608W	472	From 1996-08-01
Magfor	MAFN	Managua,Nicaragua	12.0945N	86.2390W	247	From 2000-01-01
Maghara	AMAG	Egypt	30.6430N	33.2083E	620	
Magodro	MGO	Fiji	17.7925S	177.7400E	726	From 1983-09-01
Magosa	MAGT	Cyprus	35.1000N	33.8700E	7	
Magoula	MAGOA	Greece	38.0810N	23.5190E	177	
Magoula	MAGU	Greece	38.0788N	23.5134E	97	
Magoula, Dorida, Central Greece	MG00	Greece	38.4150N	21.9471E	141	From 2013-02-05
Magruder Mountain	MGM	Nevada,U.S.A.	37.4411N	117.4961W	2148	
Maguayo	MGP	Puerto Rico	18.0076N	67.0891W	60	From 1975-11-14
Maguayo	MGPB	Puerto Rico	18.0500N	67.0400W	60	
Magueyes Island, Lajas, Puerto Rico	MLPR	Puerto Rico	17.9694N	67.0442W	12	From 2012-03-01
Maguga Dam	MAGG	Swaziland	26.0763S	31.2651E	677	
Mag Wash	MWA	Utah,U.S.A.	38.4981N	112.8470W	1878	
Magyarpolny	MPLH	Hungary	47.1702N	17.5395E	307	From 2013-10-08
Mahabad	MAHB	Iran	36.7666N	45.7054E	1370	From 2013-03-10
Mahabad	IMAH	Iran	36.7666N	45.7167E	1344	From 1991-11-01
Mahableshwar	MAH	Maharashtra,India	17.8900N	73.6500E	1382	
Mahakanadarawa	MALK	Sri Lanka	8.3968N	80.5425E	110	From 2010-04-10
Mahalah	MKHL	Saudi Arabia	17.3650N	42.6810E	116	
Mahdasht	IMHD	Iran	35.6853N	50.6675E	1150	From 1996-01-01
Mahe	SEY1	Seychelles	4.6150S	55.4908E	270	
Mahe Island	MSEY	Seychelles	4.6737S	55.4792E	475	
Mahia	MAHZ	North Island,New Zealand	39.1865S	177.8810E	336	From 1987-04-10 to 1997-08-04
Mahia Peninsula	MHGZ	North Island,New Zealand	39.1525S	177.9070E	302	From 2006-05-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mahidharpur,Odisha	MHDR	Orissa	20.6940N	85.1796E	114	From 2015-12-11
Mahoenui	MOZ	North Island,New Zealand	38.5040S	174.8032E	160	From 1989-09-28 to 2003-09-30
Mahon	MAHO	Balearic Islands,Spain	39.8959N	4.2665E	25	
Mahukona	MHA	Hawaii,U.S.A.	20.1878N	155.9030W	5	From 1983-01-01
Maiden Rock	H38A	Wisconsin,U.S.A.	44.6753N	92.2820W	333	From 2011-08-13 to 2013-06-06
Mailiao	WMLT	Taiwan region	23.8040N	120.2230E	12	From 2012-07-20
Mail Ridge	KMRM	California,U.S.A.	40.2220N	123.7086W	915	
Mains of Drumtochty	DRUM	Scotland,United Kingdom	56.9126N	2.4865W	208	From 2009-04-01
Maintong	ST12	Xizang Zizhiqu,China	31.6259N	89.8834E	4661	From 1998-07-08 to 1999-06-01
MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT	MAIM	Cape Verde Islands	15.2573N	23.1839W	44	From 2007-05-30
Mairehau Primary School	MPSS	South Island,New Zealand	43.4994S	172.6422E	10	From 2012-04-18
Maiskii, Chutkotka	MKI	Magadanskaya Oblast',Russia	68.9670N	173.7140E	261	From 1982-08-01 to 1994-06-01
Maissana	MSSA	Italy	44.3162N	9.5174E	930	From 2008-11-21
Maitland Drive Alameda	C044	California,U.S.A.	37.7308N	122.2312W	-5	From 2010-08-03
Maitri	MAIT	Dronning Maud Land	70.7760S	11.7360E	132	
Maitube	MTBS	Kazakhstan	43.1300N	76.4290E	1050	From 1984-09-01
Maizieres J'ville	MEZF	Champagne-Ardenne,France	48.5019N	5.0519E	245	
Maizuru	MZH	Kyoto,Japan	35.4483N	135.3200E	21	
Maizuru	MAI	Kyoto,Japan	35.4717N	135.3870E	31	
Maizuru 2	MZH2	Kyoto,Japan	35.4017N	135.3933E	170	From 1994-02-24
Majene	PMSI	Sulawesi,Indonesia	3.5008S	118.9149E	306	
Majene	MJSI	Sulawesi,Indonesia	3.5503S	118.9803E	97	From 2005-01-01
Majia	TSMG	Taiwan region	22.7054N	120.6448E	145	From 2014-07-28
Maji Moto Rd	MAJI	Tanzania,United Republic of Tanzania	3.6267S	35.2728E	1018	
Majramadag	MRMR	Severo-Osetinskaya	43.0140N	44.4777E	632	From 2019-12-06
Makambako	MAKM	Tanzania,United Republic of Tanzania	8.8437S	34.8302E	1683	
Makambako	BAKO	Tanzania	8.8437S	34.8016E	1651	From 2014-07-01 to 2015-11-04
Makanchi	MAKZ	Kazakhstan	46.8080N	81.9770E	570	From 1996-09-14
Makanchi Array Beam Reference Point	MKAR	Kazakhstan	46.7937N	82.2904E	615	
Makanchi Array site	MK06	Kazakhstan	46.7751N	82.3133E	637	From 2000-08-28
Makanchi Array site	MK05	Kazakhstan	46.7937N	82.2913E	615	From 2000-08-28
Makanchi Array site	MK09	Kazakhstan	46.7744N	82.2769E	579	From 2000-08-28
Makanchi Array site	MK08	Kazakhstan	46.7561N	82.2866E	607	From 2000-08-28
Makanchi Array site	MK31	Kazakhstan	46.7937N	82.2904E	609	From 2000-08-28
Makanchi Array site	MK01	Kazakhstan	46.7700N	82.3003E	609	From 2000-08-28
Makanchi Array site	MK02	Kazakhstan	46.7694N	82.3086E	639	From 2000-08-28
Makanchi Array site	MK07	Kazakhstan	46.7538N	82.3156E	627	From 2000-08-28
Makanchi Array site	MK32	Kazakhstan	46.7937N	82.2904E	609	From 2000-08-28
Makanchi Array site	MK03	Kazakhstan	46.7656N	82.3015E	630	From 2000-08-28
Makanchi Array site	MK04	Kazakhstan	46.7715N	82.2951E	589	From 2000-08-28
Makaopuhi	MKA	Hawaii,U.S.A.	19.3678N	155.1640W	881	From 1964-03-01 to 2002-10-16
Makara Bunker	MKBS	North Island,New Zealand	41.2259S	174.6981E	231	From 2011-05-24
Makara Radio	MRW	North Island,New Zealand	41.2295S	174.6999E	231	From 1976-01-26 to 2008-06-18
Makara Village	MKVS	North Island,New Zealand	41.2654S	174.7055E	81	From 2011-11-07
Makarora Emergency Centre	MECS	South Island,New Zealand	44.2304S	169.2329E	336	From 2002-08-07
Makarska	MAKA	Croatia	43.2877N	17.0197E	45	
Makassar	MKS	Sulawesi,Indonesia	5.2178S	119.4700E	28	From 1970-06-01
Makatiti	MKRZ	North Island,New Zealand	38.1384S	176.4672E	963	From 2003-05-23
Makawir	MKRJ	Jordan	31.5522N	35.6408E	815	From 1983-09-01
Makayla and Karen, Gunnison	Y43A	Mississippi,U.S.A.	33.9121N	90.9285W	46	From 2011-04-13 to 2013-02-24
Makete	MAKE	Tanzania	9.2647S	34.0968E	2304	From 2013-08-09 to 2015-11-04
Makeyevka	MKY	Ukraine	48.0333N	37.9833E		
Makgori	MAKGR	Botswana	25.8118S	24.8008E	1158	
Makhachkala	MAK	Dagestan,Russia	42.9610N	47.5050E	42	
Maki	MAKK	Kumamoto,Japan	32.9173N	130.9279E	440	
Makkovik	MKVL	Newfoundland,Canada	55.0923N	59.1840W	79	From 2011-07-26
Makna	MKNA	Saudi Arabia	28.4380N	34.8750E	650	From 1993-07-01
Makongolosi	LOSI	Tanzania	8.3872S	33.1682E	1233	From 2014-07-02 to 2015-11-04
Makongolosi	LOSS	Tanzania,United Republic of Tanzania	8.4167S	33.1575E	1209	
Makova Hora	A076A	Czech Republic	49.6168N	14.1494E	532	From 2015-09-08
Makrakomi, Fthiotida	MAKR	Greece	39.0132N	22.1317E	532	From 2008-06-18
Makrino, N010	N010M	Greece	39.8647N	20.9678E	1004	
Makryloggos,Methana,Greece	MET5	Greece	37.6218N	23.3577E	394	From 2019-02-13
Maku	MAKU	Iran	39.3548N	44.6833E	1730	From 2004-04-03
Makukawa	MAKT	Fukushima,Japan	37.6792N	140.2494E	1240	
Makushin Cirque	MCIR	Alaska,U.S.A.	53.9513N	166.8918W	800	From 1996-08-01
Makushin Gods Own Repeater Site	MGOD	Alaska,U.S.A.	53.7947N	166.8725W	695	From 1996-08-01
Makushin Julie Andrews	MSOM	Alaska,U.S.A.	53.8165N	166.9490W	50	From 1996-08-01
Makushin Nateekin	MNAT	Alaska,U.S.A.	53.8838N	166.6833W	390	From 1996-08-01
Makushin Rep'tr	MREP	Alaska,U.S.A.	53.8105N	166.7456W	785	
Makushin Switchbacks	MSW	Alaska,U.S.A.	53.9147N	166.7827W	418	From 1996-08-01
Makushin Table Top	MTBL	Alaska,U.S.A.	53.9693N	166.6785W	865	From 1996-08-01
Makuyuni	KWSI	Tanzania,United Republic of Tanzania	3.4728S	36.2050E	1400	
Makuyuni S	MAKS	Tanzania,United Republic of Tanzania	3.6027S	36.0832E	1089	
Malabar	MLB	Jawa,Indonesia	7.2167S	107.6170E	1550	From 1911-01-01 to 1945-12-31
Malabar Farm State Park	MFOH	Ohio	40.6540N	82.3816W	375	From 2019-07-02 to 2500-12-31
Malad City	L15A	Idaho,U.S.A.	42.0041N	112.3860W	1645	From 2007-07-13 to 2009-05-05
Malad Range	MLI	Idaho,U.S.A.	42.0268N	112.1260W	1896	From 1974-10-01
Mala Drenova	MDRV	Serbia	43.6915N	21.0919E	0	
Maladroxia - Sant'Antioco (CI)	SU08	Sardinia	39.0123N	8.4277E	106	From 2014-09-25 to 2015-09-03
Malaga	EXMA	Spain	36.7260N	4.3930W	83	
Malaga	MAL	Spain	36.7275N	4.4111W	60	From 1915-01-01
Malaga-Limonero	EMAL	Spain	36.7620N	4.4292W	80	From 1993-05-20
Malaga, Loving	226A	New Mexico,U.S.A.	32.0618N	104.1014W	929	From 2008-03-22 to 2009-02-21
Malagash, Nova Scotia	MALG	Nova Scotia,Canada	45.7903N	63.3271W	22	From 2005-10-15
Malaho	MAOD	Djibouti	12.0944N	42.2253E	329	From 2004-01-01
Malamata, Dorida, Central Greece	MALA	Greece	38.3934N	21.8726E	-192	From 2012-12-15
Malambo SS	LL22	Kenya	2.5195S	35.5989E	1222	From 2013-01-18 to 2014-12-06
Malargue	PUMA	Mendoza,Argentina	35.4963S	69.4497W	500	From 2012-01-01
Malargue	MORA	Mendoza	35.2915S	69.0117W	500	
Malargue	EDS3	Mendoza,Argentina	35.7703S	69.3992W	1500	From 2012-01-01
Malaspina Glacier	MLP	Alaska,U.S.A.	59.7633N	140.1500W	46	
Malaspina Glacier	MLA	Alaska,U.S.A.	59.7633N	140.1500W	46	
Malataya	MYA	Turkey	38.3261N	38.4253E	1050	
Malatya	MALT	Turkey	38.3134N	38.4273E	1120	
Malatya	MLTT	Turkey	38.3542N	38.3617E	1170	From 1992-10-01 to 2002-04-25
Malatya_Hekimhani	HEKM	Turkey	38.8790N	37.9591E	1859	From 2011-11-30
Malatya/Merkez	MAYA	Turkey	38.3253N	38.4253E	1067	From 2016-12-14
Malaya Ipel'ka	MIPR	Kamchatskaya Oblast',Russia	52.2761N	156.7581E	370	
Malazgirt-MUS	MLAZ	Turkey	39.1410N	42.5495E	1581	From 2012-11-26
Malcesine	AMAL	Italy	45.7989N	10.8399E	131	From 2017-11-16
Malcolm River	D27M	Yukon Territories,Canada	69.2430N	140.9648W	896	From 2017-08-20
Malden	MLDM	Missouri,U.S.A.	36.6250N	89.9195W	84	
Malden	MLD	Missouri,U.S.A.	36.5587N	89.9698W		From 1967-11-01 to 1969-11-30
Malelane, 3901	M3901	South Africa	25.4267S	31.4469E	354	
Malesina	MALES	Greece	38.6330N	23.2410E	251	
Malga Bissina	DBIS	Italy	46.0550N	10.5140E	1794	From 2017-05-30
Malga Bissina	MABI	Italy	46.0549N	10.5140E	1853	From 2003-12-17
Malga Boazzo	DBOA	Italy	45.9959N	10.5238E	1219	From 2017-11-09
Malga Garda, Italy	MGRD	Italy	45.9754N	12.0152E	1335	From 2010-06-08
Malga Giumela	DGIU	Italy	46.3409N	10.6125E	1943	From 2015-10-13
Malibu	MABC	British Columbia,Canada	50.1647N	123.8560W	75	From 1991-03-20
Malili, Sulawesi Selatan	MTCM	Indonesia	2.5739S	121.0545E	21	From 2019-01-01
Malinalco, Edo de Mexico	MAVM	Mexico State,Mexico	18.9572N	99.4942W	1824	From 2009-07-01
Malinaltepec	MGIG	Guerrero	17.2336N	98.6338W	1510	From 2015-04-22
Malindi	MALM	Malawi	14.3500S	35.3170E	496	
Malini	MII	Romania	47.4558N	26.0747E	400	
Malinovka, Kuzbass, Russia	MALIN	Kemerovskaya Oblast'	53.4210N	87.2763E	233	From 2010-11-02
Malkara	SGTM	Turkey,Turkey	40.7670N	27.1081E	295	
Malkovo	MLK4	Sakhalinskaya Oblast',Russia	46.7695N	143.3545E	10	From 2003-01-01
Mallet	U28A	Texas,U.S.A.	36.3793N	102.2243W	1165	From 2009-04-16 to 2010-11-09
Mallorca	ETOS	Balearic Islands,Spain	39.7678N	2.8144E	480	
Malnas	MSR	Romania	46.0381N	24.8214E	640	From 1982-09-01
Malnisio	MLNI	Italy	46.1500N	12.6100E	814	
Malo, Barreiro	CVMA2	Cape Verde Islands	15.1347N	23.1612W	39	From 2007-12-01 to 2008-09-01
Malo, Calheta	CVMA1	Cape Verde Islands	15.2288N	23.2110W	9	From 2007-12-01 to 2008-09-01
Malo, Cascabulho	CVMA4	Cape Verde Islands	15.2699N	23.1733W	19	From 2007-12-01 to 2008-09-01
Malo-Kuril'sk	MLK*	Sakhalinskaya Oblast',Russia	43.8667N	146.8170E		
Malo Peshtene	MPEP	Bulgaria	43.3560N	23.7401E	339	From 2007-05-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Malo Ribeira D. Joao	CVMA3	Cape Verde Islands	15.1441N	23.1216W	12	From 2007-12-01 to 2008-09-01
Malpasso	EMLP	Sicily,Italy	37.6842N	15.1778E	115	From 1994-10-01
Malpelo	MAPC	Colombia	4.0037N	81.6065W	137	From 2009-06-28
Malta	L14A	Idaho,U.S.A.	42.0343N	113.2398W	1528	From 2007-07-17 to 2009-05-08
Malta	MLT	Malta	35.9000N	14.4800E	18	From 1982-07-01
Maltahohe	MALTN	Namibia	24.8460S	16.9962E	1116	
Maltepe/Istanbul	KYSD	Turkey	40.9697N	29.1643E	412	From 2008-06-06
Malvaux	MLV	Bourgogne,France	47.2655N	3.0387E		
Malvern	MCJ	Jamaica	17.9250N	77.6870W	755	From 1977-02-20
Malvern Hills, CARD	CARDN	South Island	43.4251S	171.9437E	392	
Malyn Array Beam Reference Point	AKASG	Ukraine	50.7012N	29.2242E	160	
Malyn Array Site 01	AK01	Ukraine	50.6911N	29.2131E	160	
Malyn Array Site 02	AK02	Ukraine	50.6573N	29.2057E	170	
Malyn Array Site 03	AK03	Ukraine	50.7263N	29.2217E	160	
Malyn Array Site 04	AK04	Ukraine	50.7226N	29.1660E	160	
Malyn Array Site 05	AK05	Ukraine	50.6197N	29.2036E	180	
Malyn Array Site 06	AK06	Ukraine	50.5858N	29.1985E	190	
Malyn Array Site 07	AK07	Ukraine	50.5507N	29.2044E	170	
Malyn Array Site 08	AK08	Ukraine	50.6338N	29.2548E	122	
Malyn Array Site 09	AK09	Ukraine	50.6151N	29.2846E	180	
Malyn Array Site 10	AK10	Ukraine	50.5990N	29.2513E	180	
Malyn Array Site 11	AK11	Ukraine	50.6784N	29.1677E	160	
Malyn Array Site 12	AK12	Ukraine	50.6437N	29.1549E	180	
Malyn Array Site 13	AK13	Ukraine	50.6123N	29.0606E	180	
Malyn Array Site 14	AK14	Ukraine	50.6306N	29.1076E	180	
Malyn Array Site 15	AK15	Ukraine	50.6951N	29.1240E	170	
Malyn Array Site 16	AK16	Ukraine	50.6700N	29.1058E	170	
Malyn Array Site 17	AK17	Ukraine	50.6851N	29.0574E	170	
Malyn Array Site 18	AK18	Ukraine	50.7221N	29.0676E	170	
Malyn Array Site 19	AK19	Ukraine	50.7222N	29.0116E	180	
Malyn Array Site 20	AK20	Ukraine	50.7430N	29.0100E	170	
Malyn Array Site 21	AK21	Ukraine	50.7764N	29.0419E	160	
Malyn Array Site 22	AK22	Ukraine	50.7608N	29.0712E	160	
Malyn Array Site 23	AK23	Ukraine	50.7625N	29.1254E	160	
Malyn Array Site BB	AKBB	Ukraine	50.7012N	29.2242E	160	
Mamarchevo	BG12A	Bulgaria	42.1182N	26.7804E	259	From 2022-06-15
Mamasa, Sulawesi Barat	MMCI	Indonesia	2.9560S	119.3631E	1167	From 2019-01-01
Mamay	MAMA	Uzbekistan	41.4370N	71.6870E	735	
Mambajao	MAM	Mindanao,Philippines	9.2500N	125.6000E		From 1917-01-01 to 1935-12-31
Mamelis	MAME	Netherlands	50.8004N	5.9733E	160	From 2009-03-10
Mamfe, CM18	ACM18	Cameroon	5.7230N	9.3550E	171	
Mamie plateau, Yate, New Caledonia	YATNC	New Caledonia	22.0590S	166.8910E	237	From 2012-03-20
Mammari	MAMC	Cyprus	35.1710N	33.2180E	240	From 1998-11-16 to 2013-07-31
Mammoth Hot Springs	MHS	Wyoming,U.S.A.	44.9770N	110.6850W		From 1964-01-01 to 1974-10-31
Mammoth Lakes	MLKM	California,U.S.A.	37.6641N	118.9765W	2644	
Mammoth Lakes Knolls	MMLB	California,U.S.A.	37.6591N	118.9791W	2656	
Mammoth, Mammoth Lakes	MLAC	California,U.S.A.	37.6302N	118.8361W	2162	From 1992-11-04
Mammoth Pass	MMPM	California,U.S.A.	37.6100N	119.0280W	2870	From 1983-08-26
Mammoth Summit	MMSM	California,U.S.A.	37.6304N	119.0317W	3324	
Mammoth Vault	YMV	Wyoming,U.S.A.	44.9737N	110.6888W	1829	
Mamou	442A	Louisiana,U.S.A.	30.7119N	92.4314W	15	From 2011-02-12 to 2012-11-28
Mamou	MAMG	Guinea	10.2645N	11.9650W	773	From 1991-07-01
Mamousia	MAMO	Greece	38.1520N	22.1443E	650	From 2001-12-10
Mamuju	MMSI	Sulawesi,Indonesia	2.6900S	118.9100E	221	From 2008-01-01
Manabi, Bahia de Caraquez, Distrito de Educacion	ABH3	Ecuador	0.5986S	80.4228W	3	From 2018-06-13
Manab - Cojimies	ACJS	Ecuador	0.3663N	80.0384W	5	From 2018-02-01
Manacapuru-AM	MACA	Brazil	3.1615S	60.6838W	75	From 2014-01-30
Manaccan	CMA1	England,United Kingdom	50.0821N	5.1274W	42	From 1993-01-01
Manadas	PMAN	Azores,Portugal	38.6327N	28.0890W	180	
Manado	MNI	Sulawesi,Indonesia	1.4439N	124.8399E	191	From 1972-01-01
Managua	MGAN	Nicaragua	12.1468N	86.2472W	80	
Managua	MGA1	Nicaragua	12.1490N	86.2483W	8	
Manakhah	MNKH	Yemen	15.0652N	43.7500E	0	
Manam	AMAN	Egypt	23.9333N	32.9340E		
Manamana	MANV	Venezuela	9.7992N	70.7962W		
Manantiales	MAA	Mendoza,Argentina	32.0839S	69.8500W		
Manas	MNAS	Kyrgyzstan	42.4870N	72.5040E	1515	
Manas	MNSR	Dagestan,Russia	42.7028N	47.7194E	-20	
Manavgat-Antalya	MNVG	Turkey	36.7935N	31.4161E	24	From 2012-04-01
Manawahe	MARZ	North Island,New Zealand	37.9849S	176.6747E	480	From 1992-06-16
Manawahe	MANNZ	New Zealand	37.9588S	176.6695E	298	
Mancha de Ca Pechiches	PECV	Ecuador	0.7773S	80.0488W	442	From 2008-06-06
Manchester	MNWA	Washington,U.S.A.	47.5650N	122.5341W	1554	From 2002-11-01
Manchester	MX-	Tennessee,U.S.A.	35.5503N	86.2700W	305	From 1962-11-14 to 1962-12-12
Manchester	MX-TN	Tennessee,U.S.A.	35.5503N	86.2700W	305	From 1962-11-14 to 1962-12-12
Manchester OK Station	KAN14	Kansas,U.S.A.	36.9568N	97.9630W	363	From 2014-08-20
Manda	MANDA	Tanzania	10.4782S	34.6005E	511	From 2014-07-05 to 2015-11-04
Mandailing Natal	MNSI	Sumatera,Indonesia	0.7955N	99.5796E	0	From 2007-12-01
Mandalay	MND	Myanmar	22.0157N	96.1148E	93	From 1966-10-01 to 1999-08-25
Mandana Bl Oakland	C005	California,U.S.A.	37.8107N	122.2361W	187	From 2009-04-06
Mandiavato	MDSM	Madagascar	19.0852S	47.0306E	1511	
Mandileni	MDL	Cape Province,South Africa	30.7100S	28.8000E	1320	From 1988-01-01 to 1999-12-31
Mandra	S023	Greece	38.1050N	23.5920E	238	
Mandra, Attica, Greece	MDRA	Greece	38.0606N	23.4662E	370	From 2020-09-22
Mandra,Attica,Greece	PARN3	Greece	38.0711N	23.5033E	120	From 2019-07-20
Manduamas, Sumatera Utara	MTSI	Indonesia	2.1524N	98.2524E	8	From 2019-01-01
Mandvi	MAND	Gujarat,India	22.8428N	69.2861E	8	From 2012-01-01
Maneciu	MNCR	Romania	45.3135N	25.9920E	597	From 2020-06-30
Manem	MANEM	Tajikistan	37.5423N	71.6801E	2345	From 2009-06-01
Manetin	A073A	Czech Republic	49.9916N	13.2331E	407	From 2015-09-23
Manfredonia (FG) Italy	OT12	Italy	41.6318N	15.9078E	14	From 2013-04-15
Mangahao	MNG	North Island,New Zealand	40.6170S	175.4822E	396	From 1965-11-16 to 1994-10-19
Mangahewa	MHEZ	North Island,New Zealand	39.0761S	174.3231E	194	From 2008-03-04
Mangalia	MANR	Romania	43.8168N	28.5876E	71	From 2008-10-02
Mangalia Port-Far Verde	TSMN	Romania	43.8010N	28.5950E	70	From 2013-05-10
Mangalore	MNGI	Karnataka,India	12.8923N	74.8677E	84	
Mangatainoka River	MRZ	North Island,New Zealand	40.6605S	175.5786E	286	From 1992-04-08
Mangateitei	MTVZ	North Island,New Zealand	39.3846S	175.4704E	840	From 2005-03-15
Mangatoa	MNTZ	New Zealand	35.4195S	173.7085E	285	From 2022-12-20
Mangaweka School	MNGS	North Island,New Zealand	39.8078S	175.7908E	324	From 2001-11-26
Mangawhero Road	MWOZ	New Zealand	39.3974S	174.0870E	400	From 2023-04-18
Mangit	MNGT	Uzbekistan	42.1069N	60.0546E	97	
Mangla	MNL	Pakistan	33.1472N	73.7500E	436	
Mangone	MANE	Italy	39.2018N	16.3375E	825	From 2018-05-23
Mangrove Creek Dam	MGCD	New South Wales,Australia	33.2096S	151.1092E	219	From 1997-11-05
Manhattan	MHK	Kansas,U.S.A.	39.1874N	96.5792W	318	From 1974-11-19 to 2001-07-15
Manhattan	AMNH	New York,U.S.A.	40.7808N	73.9738W		
Manhattan	MHT	Kansas,U.S.A.	39.1997N	96.5806W	339	
Manica	MANI	Mozambique	18.9482S	32.8843E	1300	
Manicaragua	MGV	Cuba	22.1100N	79.9800W		
Manicouagan	MNQ	Quebec,Canada	50.5333N	68.7744W	564	From 1974-11-27
Manicuare_ULA	MANC	Venezuela	10.5612N	64.1888W	15	
Manihiki	MNHK	Cook Islands	10.4150S	161.0330W	1	
Manila	MAN	Luzon,Philippines	14.6600N	121.0780E	70	From 1949-01-01
Manila South	MSAR	Arkansas,U.S.A.	35.7842N	90.1469W	69	
Manimeri, Papua Barat	MBPI	Indonesia	2.0350S	133.7322E	57	From 2019-01-01
Manipur University	MUM	Manipur,India	24.7498N	93.9242E	784	
Manisa	MANT	Turkey	38.4908N	28.5578E	2008	From 2002-12-12
Manisrenggo, Jawa Tengah	MKJM	Indonesia	7.6629S	110.4834E	410	From 2019-01-01
Maniwaki	MIQ	Quebec,Canada	46.3667N	75.9667W	199	From 1974-02-27 to 1981-04-30
Manizales, Caldas	CMAN1	Colombia	5.0715N	75.5244W	2237	From 1996-09-02
manjaedo	MJDB	Republic of Korea	34.2074N	125.4691E	44	From 2019-03-18
Mankato	KS24	Kansas,U.S.A.	39.7865N	98.2095W	551	From 2017-06-27 to 2017-11-02
Mankato Kansas Deployment Site 1	KS22	Kansas,U.S.A.	39.7859N	98.1626W	533	From 2017-06-22 to 2017-11-02
Manley	MLY	Alaska,U.S.A.	65.0308N	150.7390W	804	From 1990-09-25
Manna	MNAI	Sumatera,Indonesia	4.3605S	102.9557E	154	From 2006-07-27
Mann Creek Ranch, Princeton	K08A	Oregon,U.S.A.	42.7308N	118.4864W	1391	From 2006-06-29 to 2008-04-08
Mannheim	MANN	Baden-Wurttemberg	49.4900N	8.4623E	91	From 2016-01-01
Manning	MANA	Alberta,Canada	56.8554N	117.6367W	480	From 2009-10-18

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Manning	D26A	North Dakota,U.S.A.	47.0301N	102.4357W	693	From 2009-07-23 to 2011-07-27
Manning Farm, Rocklake	A29A	North Dakota,U.S.A.	48.9228N	99.2321W	480	From 2009-08-20 to 2011-07-19
Manof	MNFI	Israel	32.8510N	35.2360E	350	
Manokwari, Papua	MWPI	Irian Jaya,Indonesia	0.9300S	134.0400E	70	From 2008-01-01
Manonville	MANO	Lorraine	48.8277N	5.9225E	268	From 2018-07-05
Manonville, 54348, Meurthe-et-Moselle, Alsace-Champagne-Ardenne-Lorraine	A210A	France	48.8277N	5.9225E	273	From 2016-05-19
Mansa	MZZ	Zambia	11.1422S	28.8760E	1256	From 1984-01-01
Mansfield	T40A	Missouri,U.S.A.	37.1504N	92.5193W	399	From 2010-12-14 to 2012-10-31
Mansfield	O44A	Illinois,U.S.A.	40.1526N	88.4671W	213	From 2011-10-15
Mansion, MANS	MANSI	Costa Rica	10.0985N	85.3811W	118	
Manso	MSB	Mato Grosso,Brazil	14.8864S	55.8172W	360	
Manta	AMANT	Ecuador	0.9408S	80.7345W	38	From 2010-08-26
Manta-Manabi	AMNT	Ecuador	0.9409S	80.7346W	38	From 2015-05-27
Manteigas	MTE	Portugal	40.3997N	7.5442W	815	From 1974-12-10
Manter	S28A	Kansas,U.S.A.	37.5899N	101.8979W	1064	From 2009-04-10 to 2011-03-15
Manton Dam	MTN	Northern Territory,Australia	12.8436S	131.1327E	137	From 1972-06-01
Mantova	MTVA	Italy	45.1579N	10.7849E	35	From 2019-07-31
Mantova	MNOV	Italy	45.1452N	10.7883E	75	From 2021-02-16
Mantova	MNTV	Italy	45.1495N	10.7897E	36	From 2009-07-29
Mantup, Jawa Timur	MLJM	Indonesia	7.2483S	112.3379E	55	From 2019-01-01
Manual Prospect Mine,Trona	MPMC	California,U.S.A.	36.0580N	117.4890W	1839	From 1998-06-25
Manuel Antonio, MAN	CMAN	Costa Rica	9.3815N	84.1428W	41	From 2002-10-01 to 2003-03-15
Manuel Ranch, Winnett	D20A	Montana,U.S.A.	47.0911N	108.1362W	902	From 2008-08-15 to 2010-06-05
Manus Island	MANU	Papua New Guinea	2.0432S	147.3662E	141	From 2009-04-01
Manyara 2	MAN2	Tanzania,United Republic of Tanzania	3.3960S	35.8117E	1222	
Manyas	CMHT	Turkey,Turkey	40.0115N	27.9703E	205	
Manyatta Coffee Estate	COFF	Tanzania,United Republic of Tanzania	3.3948S	36.8745E	1122	
Manyoni	MANYT	Tanzania,United Republic of Tanzania	5.7438S	34.8383E	1258	
Manysh	MNYS	Turkmenistan	37.7720N	58.6080E	680	
Manzana, Boquern	MCANO	Panama	8.5700N	82.5730W	409	
Manzana , Fuente del Carmen	PDCAN	Panama	8.2910N	81.6970W	471	
Manzana , Plaza de Cais	PCZAN	Panama	8.7430N	82.8190W	807	
Manzanillo	MNZ	Colima,Mexico	19.0542N	104.3306W	60	
Manzanita Entrance	LMEM	California,U.S.A.	40.5378N	121.5700W	1753	From 1988-11-04
Manzanita Lake	MLC	California,U.S.A.	40.5367N	121.5620W	1800	From 1956-06-01
Manzanita Lake	LMZM	California,U.S.A.	40.5443N	121.5640W	329	From 1976-11-12
Manzanita Lookout, Modoc Natn. Forest, Adin CA USA	MZTA	California	41.2779N	120.8012W	2145	From 2021-06-01
Manzenberg	MANZ	Bayern,Germany	49.9862N	12.1083E	638	From 1996-07-31
Manzhou Township	SMST	Taiwan region	22.0204N	120.8370E	53	From 2015-12-04
Mao	MAO1	Dominican Republic	19.5513N	71.0811W	80	From 2011-06-16
Mao Valverde	MADR	Dominican Republic	19.5659N	71.1025W	90	From 2013-05-11
Mapaga	MPSI	Sulawesi,Indonesia	0.3374N	119.8980E	0	From 2007-12-01
Mapat Tunggul, Sumatera Barat	MPSM	Indonesia	0.5891N	100.1383E	195	From 2019-01-01
Mapinhane	MAPH	Mozambique	22.2500S	35.0800E	42	
Mapinhane	MAPI	Mozambique	22.2486S	35.0917E	39	From 2010-05-25
Maple Bay	SHDB	British Columbia,Canada	48.7970N	123.6360W	55	From 2003-02-28
Maple Canyon	MPU	Utah,U.S.A.	40.0155N	111.6333W	1909	
Maple Creek	YMC	Wyoming,U.S.A.	44.7593N	111.0060W	2073	From 1974-10-01
Maple Falls	A05A	Washington,U.S.A.	48.9983N	122.0852W	174	From 2005-11-25 to 2009-01-08
Maple Grove Farm, Niagara	F42A	Wisconsin,U.S.A.	45.7587N	88.1347W	358	From 2011-09-09 to 2013-11-27
Mapleton	I02A	Oregon,U.S.A.	44.0035N	123.8299W	170	From 2005-11-17 to 2008-01-22
Maple valley SMO-IDS24	MPL	Washington,U.S.A.	47.4684N	122.1858W	122	From 1997-01-01
Maputo	LMM	Mozambique	25.9686S	32.5942E	55	
Maracay	MARA	Venezuela	10.3239N	67.6069W	1200	From 1984-01-01 to 1999-08-25
Maragondon, Cavite	MACP	Luzon	14.2630N	120.7186E	20	From 2014-12-10
Marais du Vigueirat, 13004, Arles, Bouches-du-Rhone	A201A	France	43.5006N	4.7917E	5	From 2016-04-07 to 2016-08-11
Marana (Italy)	MARN	Italy	45.6378N	11.2099E	550	From 2009-11-27
Marand	IMRD	Iran	38.7133N	45.7030E	1684	From 1995-08-01
Maranguape	LSRB	Ceara	4.0612S	38.9094W	133	From 2023-08-16
Marapu	PGMAR	New Britain,Papua New Guinea	5.5830S	150.7675E	110	
Maratea	BMAT	Italy	39.9900N	15.7184E	69	From 2009-10-28
Marathon	062Z	Florida,U.S.A.	24.7266N	81.0523W	5	From 2012-05-15
Marathon	MTX	Texas,U.S.A.	30.3079N	103.2542W	1363	
Marathonas	MRTH	Greece	38.1225N	23.9409E	130	From 2020-09-08
Maraveh tapeh	MRVT	Iran	37.6593N	56.0893E	870	From 2006-03-18
Marawi	MARW	Mindanao	8.0097N	124.2764E	829	
Marayes	AMAR	San Juan,Argentina	31.4555S	67.3278W	615	
Marble Bar	MBT	Western Australia,Australia	21.1700S	119.7420E	200	From 1972-10-01 to 1976-06-23
Marble Bar	MBWA	Western Australia,Australia	21.1590S	119.7312E	194	From 2001-08-25
Marble Bar	MBL	Western Australia,Australia	21.1600S	119.8330E	200	From 1976-06-23 to 2006-05-29
Marble Canyon	MCA	California,U.S.A.	36.6466N	117.2805W	303	From 1979-01-23
Marblemount	B06A	Washington,U.S.A.	48.5183N	121.4845W	75	From 2006-09-17 to 2008-11-12
Marcala la Paz	MARCA	La Paz,Honduras	14.1584N	88.0344W	1098	From 2016-01-01
Marcedusa	MCDA	Italy	39.0216N	16.8403E	305	From 2019-11-20
Marchena, Sevilla	E012	Spain	37.3710N	5.5248W	144	From 2007-10-30 to 2009-07-07
Marchtrenk	A024A	Austria	48.2131N	14.1367E	303	From 2015-06-24 to 2016-08-30
Marco	AMRC	Italy	45.8515N	11.0189E	201	From 2005-07-14
Marconi Conference Center, Marshall	MCCM	California,U.S.A.	38.1448N	122.8802W	-7	From 2006-02-03
Marcus Island	MCS	Marcus Island,Japan	24.2900N	153.9880E		From 1966-01-01 to 1970-12-31
Marden Senior College	AUMAR	South Australia,Australia	34.8900S	138.6400E	153	From 2013-08-11
Mardin	MARD	Turkey	37.3139N	40.7789E	1290	From 2005-06-24
Mardin/Midyat-Merkez	MIDY	Turkey	37.4063N	41.3983E	972	From 2014-12-01
MARE	CMARE	Costa Rica	8.6874N	83.7047W	60	From 1999-09-01 to 1999-10-04
Marechal Candido Rondon	MCR1	Brazil	24.4590S	54.0366W	326	From 2016-03-01
Mared	SMRD	Iran	30.4979N	48.3069E	5	From 2010-08-11
Maredsous	BMRD	Belgium	50.3025N	4.7675E	215	From 1997-09-25
Mare, Loyalty Islands, New Caledonia	MARNC	Loyalty Islands,New Caledonia	21.4809S	168.0305E	44	From 2011-11-03
Mareno di Piave, Italy	MMAR	Italy	45.8419N	12.3602E	33	From 2010-06-07
Mareth	MART	Tunisia	33.5768N	10.2495E	140	
Marettimo	MARET	Sicily	37.9687N	12.0723E	3	From 2023-10-16
Marewa	MRH	North Island,New Zealand	39.4974S	176.8885E	4	From 1987-03-19 to 1989-08-03
Margaret Lake	MGTN	Northwest Territories,Canada	63.6856N	109.5911W	411	
Margaret River Homestead	KIM01	Western Australia	18.6243S	126.8616E	300	From 2021-08-03
Marga Sakti Seblat, Bengkulu	MBSM	Indonesia	3.1451S	101.8374E	37	From 2019-01-01
Marguerite Bay	ANC	Antarctic Peninsula	68.1944S	67.0000W	7	
Maria Elena	MACH	Antofagasta,Chile	22.1955S	69.7577W	2003	From 2007-11-21
Mariana Trench, MRG03	MRG03	Mariana Islands	17.0504N	145.0403E	-3800	
Mariana Trench, MRG04	MRG04	Mariana Islands	17.1482N	144.0892E	-4326	
Mariana Trench, MRG16	MRG16	Mariana Islands	17.7750N	145.0182E	-3471	
Mariana Trench, MRG22	MRG22	Mariana Islands	17.9367N	146.4181E	-3417	
Mariana Trench, MRG40	MRG40	Mariana Islands	18.2053N	144.6745E	-3701	
Mariana Trench, MRG42	MRG42	Mariana Islands	18.2504N	145.1378E	-3744	
Mariana Trench, MRG46	MRG46	Mariana Islands	18.3582N	146.1356E	-3373	
Mariana Trench, MRG58	MRG58	Mariana Islands	17.4189N	141.9958E	-4474	
Mariana Trench, OBS02	MTR02	Mariana Islands	16.8998N	146.5501E	-3492	
Mariana Trench, OBS06	MTR06	Mariana Islands	16.0834N	145.1657E	-3608	
Mariana Trench, OBS07	MTR07	Mariana Islands	16.4604N	147.2519E	-3224	
Mariana Trench, OBS08	MTR08	Mariana Islands	16.5206N	147.1191E	-3541	
Mariana Trench, OBS09	MTR09	Mariana Islands	16.6002N	147.2499E	-3334	
Mariana Trench, OBS10	MTR10	Mariana Islands	17.5614N	143.1964E	-2418	
Mariana Trench, OBS11	MTR11	Mariana Islands	17.6304N	143.8576E	-3889	
Mariana Trench, OBS12	MTR12	Mariana Islands	17.6787N	144.2322E	-3948	
Mariana Trench, OBS14	MTR14	Mariana Islands	17.7450N	144.7803E	-3671	
Mariana Trench, OBS15	MTR15	Mariana Islands	17.7677N	144.9094E	-4152	
Mariana Trench, OBS17	MTR17	Mariana Islands	17.8033N	145.2489E	-3595	
Mariana Trench, OBS18	MTR18	Mariana Islands	17.8309N	145.4667E	-3244	
Mariana Trench, OBS19	MTR19	Mariana Islands	17.8577N	145.7169E	-2882	
Mariana Trench, OBS20	MTR20	Mariana Islands	17.8849N	145.9510E	-2702	
Mariana Trench, OBS21	MTR21	Mariana Islands	17.9114N	146.1851E	-2602	
Mariana Trench, OBS23	MTR23	Mariana Islands	17.9659N	146.7163E	-3491	
Mariana Trench, OBS25	MTR25	Mariana Islands	18.0333N	147.2825E	-3723	
Mariana Trench, OBS26	MTR26	Mariana Islands	18.1624N	148.4979E	-5923	
Mariana Trench, OBS27	MTR27	Mariana Islands	17.8880N	144.7443E	-3883	
Mariana Trench, OBS28	MTR28	Mariana Islands	17.9158N	144.8412E	-4624	
Mariana Trench, OBS29	MTR29	Mariana Islands	17.9229N	144.9672E	-3740	
Mariana Trench, OBS31	MTR31	Mariana Islands	18.0605N	144.7835E	-4386	
Mariana Trench, OBS32	MTR32	Mariana Islands	18.0809N	144.9098E	-3565	
Mariana Trench, OBS33	MTR33	Mariana Islands	17.9072N	144.1998E	-3847	
Mariana Trench, OBS34	MTR34	Mariana Islands	17.9404N	144.4809E	-3880	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mariana Trench, OBS36	MTR36	Mariana Islands	18.0529N	145.4317E	-3176	
Mariana Trench, OBS37	MTR37	Mariana Islands	18.1345N	146.1582E	-3034	
Mariana Trench, OBS38	MTR38	Mariana Islands	18.1297N	144.1725E	-4154	
Mariana Trench, OBS43	MTR43	Mariana Islands	18.2762N	145.3824E	-3338	
Mariana Trench, OBS44	MTR44	Mariana Islands	18.3027N	145.6191E	-2585	
Mariana Trench, OBS45	MTR45	Mariana Islands	18.3311N	145.9002E	-2669	
Mariana Trench, OBS47	MTR47	Mariana Islands	18.2501N	145.7693E	-1898	
Mariana Trench, OBS48	MTR48	Mariana Islands	18.1085N	145.9230E	-2247	
Mariana Trench, OBS49	MTR49	Mariana Islands	17.9595N	145.7990E	-2287	
Mariana Trench, OBS50	MTR50	Mariana Islands	18.0984N	145.6161E	-2339	
Mariana Trench, OBS51	MTR51	Mariana Islands	18.3497N	147.1013E	-2757	
Mariana Trench, OBS52	MTR52	Mariana Islands	19.4504N	145.6001E	-2475	
Mariana Trench, OBS53	MTR53	Mariana Islands	18.7006N	143.6993E	-3656	
Mariana Trench, OBS55	MTR55	Mariana Islands	19.4498N	146.8497E	-4735	
Mariana Trench, OBS57	MTR57	Mariana Islands	19.5999N	143.4003E	-4070	
Marianna	452A	Florida,U.S.A.	30.8492N	85.1830W	35	From 2012-02-04
Mariato, Veraguas	MARI3	Panama	7.6490N	80.9900W	60	From 2010-01-01
Mariazell	MZA	Austria	47.7703N	15.3283E	990	
Ma'rib	MARB	Yemen	15.4640N	45.3200E	1120	From 1994-11-01
Maricao	MRCP	Puerto Rico	18.1770N	67.0310W	330	
Marico , Northwest	MRCO	South Africa	25.4720S	26.4006E	1093	From 2017-03-29
Maricopa	MARC	California,U.S.A.	35.0025N	119.3390W	436	
Maricunga	AC02	Atacama,Chile	26.8355S	69.1291W	3980	From 2014-02-04
Marie-Galante	MGG	Guadeloupe,France	15.9180N	61.3168W	51	
Mariental	MARIN	Namibia	24.5985S	17.9314E	1439	
Marienthal	R29A	Kansas,U.S.A.	38.4243N	101.1383W	957	From 2009-04-17 to 2011-03-18
Mariestad	MRE	Sweden	58.6170N	13.7460E		From 1980-01-01 to 1991-12-31
Marietta	Y35A	Oklahoma,U.S.A.	33.9059N	97.0374W	214	From 2010-04-25 to 2012-01-31
Marietta College	MACO	Ohio,U.S.A.	39.4166N	81.4491W	193	
Marignana, 2A154, Corse-du-Sud, Corse	A208A	France	42.2326N	8.7937E	830	From 2016-09-15 to 2019-10-15
Marignano (AQ), Italy	MB07	Italy	42.5304N	13.2648E	827	From 2016-11-30 to 2016-12-12
Marina puesta del sol	R4631	Chinandega,Nicaragua	12.6255N	87.3425W	6	From 2018-12-04 to 2019-08-24
Marineo	MARIO	Italy	37.9544N	13.4329E	683	From 2019-02-15
Marine on St. Croix	SPMN	Minnesota,U.S.A.	45.2246N	92.8037W	311	From 2008-08-28
Marin Headlands	MHDL	California,U.S.A.	37.8421N	122.4940W	0	
Marino	MA9	Italy	41.7702N	12.6593E	340	From 2000-05-11
Marion BPA Site DOGAMI SMO	MRIN	Oregon,U.S.A.	44.8002N	122.6995W	187	From 2002-03-19
Marion Center	N55A	Pennsylvania,U.S.A.	40.7808N	78.9862W	559	From 2012-12-13
Marion Island	MIO	Prince Edward Islands,South Africa	46.9583S	37.9000E	10	
Mariponipon	MRPI	Sumatera,Indonesia	1.6125N	99.3172E	1100	
Marisa	MRSI	Sulawesi,Indonesia	0.4771N	121.9406E	0	From 2007-12-01
Mariscal Sucre-Volcn Cotopaxi	SUCR	Ecuador	0.6401S	78.4945W	3650	From 2015-07-23
Marisel-Cluj	MARR	Romania	46.6760N	23.1189E	1135	From 2016-09-21
Marituj	MRU	Irkutskaya Oblast'	51.7633N	104.1133E	564	From 1911-01-01 to 1912-12-31
Markates	VMA	Greece	38.7058N	23.5876E	468	From 1983-01-01
Markates	MRKA	Greece	38.7058N	23.5875E	424	From 2008-10-16
Marked Tree	MK-AR	Arkansas,U.S.A.	35.5589N	90.2653W	61	
Marked Tree	MK-	Arkansas,U.S.A.	35.5589N	90.2653W	61	
Market Rasen	LMK	England,United Kingdom	53.4569N	0.3266W	130	From 1991-01-01
Markovo, Chukotka	MKV	Kamchatskaya Oblast',Russia	64.6840N	170.4120E	25	From 1985-10-01 to 1992-04-01
Marks Point, NSW, Australia	MKPT	New South Wales,Australia	33.0556S	151.6432E	20	From 2005-09-01 to 2012-07-30
Mark West Springs	MAC	California,U.S.A.	38.5505N	122.7230W	134	From 1970-08-14
Mark W Springs	NMWM	California,U.S.A.	38.5505N	122.7230W	134	From 1970-08-14
Marlboro	MARL	Vermont,U.S.A.	42.7990N	72.8378W	580	From 1977-08-08 to 1983-02-25
Marlette	J49A	Michigan,U.S.A.	43.3600N	83.1389W	253	From 2012-10-16
Marlinton	R55A	West Virginia,U.S.A.	38.2825N	80.1195W	833	From 2013-01-22
Marlo Lake	MLON	Northwest Territories,Canada	63.9696N	109.8953W	418	
Marmara Adasi	MRMT	Turkey	40.6032N	27.5957E	800	
Marmara adası, Balıkesir	MADA	Turkey	40.5892N	27.5540E	112	From 2019-12-06
Marmaraadasi Cinnet	MAR1	Turkey	40.6533N	27.6633E	28	From 2009-01-01
Marmara Ereglisi-Tekirdag	BOTS	Turkey	40.9901N	27.9810E	31	From 2011-01-01
Marmara-Ereglisi-Tekirdag	SBT3	Turkey	40.8847N	27.9751E	-1204	From 2011-01-21
Marmara Ereglisi-TEKIRDAG	MAEG	Turkey	40.9653N	27.9448E	2	From 2021-06-08
Marmara Sea	SB02	Turkey	40.9668N	28.4471E	-65	From 2013-12-29
Marmari	S029	Greece	38.0750N	24.3660E	263	
Marmari	MRMA	Greece	38.0573N	24.3792E	300	From 2008-10-14
Marmaris-Mugla	MRSB	Turkey	36.7160N	28.1967E	402	From 2011-04-07
Marmaro, Chios	EAG2	Greece	38.5438N	26.1079E	1	
Marmelete	MORF	Portugal	37.3044N	8.6526W	564	
Marmol	MRL	Guatemala	15.0812N	89.6838W	1850	From 1979-10-01
Marcsa	A273A	Hungary	45.9163N	17.8161E	100	From 2016-03-02
Maroera	MARNZ	New Zealand	38.1762S	177.0360E	106	
Marolino	PP3	Italy	43.3778N	13.6095E	25	
Maron	MAJ	Jawa,Indonesia	7.5667S	110.4170E		
Maronia-Sapes, Petrota, Greece	GR05	Greece	40.8687N	25.5989E	69	From 2022-09-29
Marquesado	RTMQ	San Juan,Argentina	31.5057S	68.6667W	798	
MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	MAIRC	Marquesas archipelago	8.8678S	140.1591W	806	From 2005-03-29
Marquette Ranch, East Glacier	B14A	Montana,U.S.A.	48.3609N	113.2729W	1529	From 2007-09-14 to 2009-08-10
Marradi	MRRI	Italy	44.0641N	11.6033E	369	
Marrel Ranch, Paradise Valley	M09A	Nevada,U.S.A.	41.4230N	117.4497W	1355	From 2006-04-26 to 2008-04-01
Marsad	MRSJ	Jordan	29.6850N	35.3219E	810	From 1990-03-15
Marsala (TP) Italy	MARS	Italy	37.7532N	12.5647E	65	From 2017-10-18
Marsa Matruh	MMT	Egypt	31.3800N	27.2750E		From 1975-01-01 to 1980-12-31
MARSCIANO MONTE VIBIANO	MVB	Italy	42.9619N	12.2570E	363	From 2009-11-20
Marseilles	MAR	Provence-Cote d'Azur,France	43.3053N	5.3939E	75	
Marsico Nuovo	MANEE	Italy	40.4587N	15.7346E	1188	From 2019-09-19
Marsico Nuovo (PZ)	MRN3	Italy	40.4256N	15.7296E	772	
Marsico Vetere	MARE	Italy	40.3932N	15.8113E	1030	
MARSICO VETERE	MRV	Italy	40.3613N	15.8265E	745	From 2001-11-04
Marsite Station 2 Hoskoy	MAR2	Turkey	40.7172N	27.3123E	14	From 2014-02-01
Marsite Station 4	MAR4	Turkey	40.7880N	27.3007E	905	From 2014-02-01
Marsite Station Cinarli Koyu	MAR8	Turkey	40.6121N	27.5348E	28	From 2014-02-01
Marsite Station Guzelkoy	MAR3	Turkey	40.7432N	27.2945E	243	From 2014-02-01
Marsite Station Kirazli	MAR6	Turkey	40.7041N	27.2653E	334	From 2014-02-01
Marsite Station Marmara Adasi	MAR9	Turkey	40.6196N	27.7020E	99	From 2014-02-01
Marsite Station Mursalli	MAR7	Turkey	40.7281N	27.2353E	342	From 2014-02-01
Marsite Station Ucmakdere	MAR5	Turkey	40.7954N	27.3660E	104	From 2014-02-01
Marston	MARMO	Missouri,U.S.A.	36.5300N	89.6690W	82	
Martakert	MTKZ	Karabakh	40.2000N	46.8200E	480	From 1998-01-01
Martiadasi	MRTI	Turkey	40.8196N	29.1127E	26	From 2009-05-25
Martigny, Rue d'Octodure	SMAO	Switzerland	46.0988N	7.0748E	475	From 2012-03-01
Martimbang	MARI	Sumatera,Indonesia	1.9603N	98.9681E	1680	
Martinborough Wines Vineyard	MAVS	North Island,New Zealand	41.2109S	175.4615E	33	From 1999-08-20
Martinez Indian Reservation	MIRC	California,U.S.A.	33.4162N	116.0810W	91	
MARTIN GARCIA	MGBA	Buenos Aires,Argentina	34.1875S	58.2563W	27	From 1994-04-08
Martino	S025	Greece	38.5660N	23.2130E	301	
Martinsdale	E17A	Montana,U.S.A.	46.4620N	110.8576W	1835	From 2007-09-13 to 2009-09-07
Martinsville	P47A	Indiana,U.S.A.	39.4869N	86.2692W	246	From 2011-10-19
Martis Peak	MPK	California,U.S.A.	39.2957N	120.0300W	2484	From 1973-04-01
Martorano (FC)	A309A	Italy	44.1704N	12.2445E	31	From 2015-10-28
Martos, Jaen	E024	Spain	37.7225N	3.9241W	1239	From 2007-07-02 to 2009-06-24
Martuni	MTNZ	Karabakh	39.7970N	47.1140E	400	From 1998-01-01
Martvili	MARV	Georgia,Georgia	42.4100N	42.3800E	190	
Marumori	JMM	Miyagi,Japan	37.8660N	140.7930E	100	
Maruseppu	JMP	Abashiri,Japan	44.0070N	143.3597E	460	
Maruska	MAUC	Czech Republic	49.3655N	17.8278E	659	From 2016-05-03
Maruska	A090A	Czech Republic	49.3655N	17.8278E	659	From 2015-09-24
Marvo	PMRV	Portugal	39.4283N	7.3917W	430	From 2007-07-01
Marvell	X43A	Arkansas,U.S.A.	34.5180N	90.8812W	53	From 2011-05-18
Mary	MRY	Turkmenistan	37.6000N	61.8667E		
Maryeong	MALA0	Republic of Korea	35.7445N	127.3478E	285	From 2018-03-09
Maryino	MRNR	Krasnodarskiy Kray	43.9370N	39.4790E	360	From 2017-11-19
Mary Lake	YPML	Wyoming,U.S.A.	44.6028N	110.6063W	2519	
Mary Lake	YML	Wyoming,U.S.A.	44.6053N	110.6432W	2653	
Maryland--Naval Ordinance Lab	NLM	Maryland,U.S.A.	39.0324N	76.9805W	114	From 1962-01-01 to 1972-12-31
Mary Lane Ranch, Marfa	526A	Texas,U.S.A.	30.0609N	104.0898W	1405	From 2008-03-05 to 2010-02-09
Marymoor Park	MARYW	Washington,U.S.A.	47.6625N	122.1211W	11	
Mary River	MRYN	Northwest Territories,Canada	71.3328N	79.3795W	0	From 2011-08-01
Mary's Peak	MPOR	Oregon,U.S.A.	44.5048N	123.5500W	1249	From 1990-08-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Marysvale	MSU	Utah,U.S.A.	38.5123N	112.1772W	2105	From 1975-11-01
Marysvale	MVU	Utah,U.S.A.	38.5037N	112.2123W	2239	
Marysville	MV-	California,U.S.A.	39.2131N	121.2931W	183	From 1961-10-22 to 1966-03-12
Marysville	MV-CL	California,U.S.A.	39.2131N	121.2931W	183	From 1961-10-22 to 1966-03-12
Maryville	MVLT	Tennessee,U.S.A.	35.7340N	83.9420W		From 1984-01-29
Maryville College	MVMO	Missouri,U.S.A.	38.6465N	90.5009W	183	
Masachapa	MCH	Nicaragua	11.8747N	86.5287W	147	From 1975-01-01
Masachapa	MSHP	Nicaragua	11.8300N	86.5355W	8	From 2001-01-01 to 2019-08-25
Masada	MZBI	Israel	31.3126N	35.3580E	-316	From 2010-06-27
Masada	MZDA	Israel	31.3096N	35.3628E	-275	From 1991-05-01
Masada	MSDA	Israel	31.3200N	35.2900E	400	
Masafi	MASF	Qatar	25.3712N	56.1592E	548	From 2010-12-19
Masamba	MSSI	Sulawesi,Indonesia	2.5547S	120.3241E	111	From 2005-01-01
Masamba, Sulawesi Selatan	MSCM	Indonesia	2.5358S	120.2813E	108	From 2019-01-01
Masan	KSMAS	Republic of Korea	35.1706N	128.5725E	78	From 2000-12-05
Masaya	AMYN	Nicaragua	11.9851N	86.1003W	237	From 2014-05-13 to 2018-03-31
Masaya	MASN	Nicaragua	11.9873N	86.1513W	500	
Masbate	MMPH	Luzon,Philippines	12.3580N	123.6240E	11	
Masc	MASC	Cuba	20.1750N	74.2310W		
Mascalucia	EMAS	Sicily	37.5792N	15.0526E	611	From 2022-06-22
Mascalucia	SMET	Italy	37.5784N	15.0547E	599	From 2008-02-06
Mas de Barberans	CMAS	Spain	40.7267N	0.3150E	530	From 2006-04-01
Mash`abbe Sade	MASH	Israel	30.9960N	34.7850E	365	
Mashabei Sadeh, MSH	MSHI	Israel	31.0012N	34.7883E	365	From 1996-03-01 to 2001-07-31
Mashad	MHI	Iran	36.3088N	59.4703E	1150	From 1975-09-15
Mashad	ISRO	Iran	36.3088N	59.4703E	1050	From 2007-03-01
Mashhad	MSHD	Iran	36.3114N	59.5351E	1021	From 2014-03-21
Mashhad	MSH	Iran	36.3111N	59.5878E	987	From 1965-09-17 to 1975-09-06
Mashhad (SRO)	MAIO	Iran	36.3083N	59.4717E	1150	From 1975-10-01
Mashhad University	MUI	Iran	36.3117N	59.6050E	1000	From 1972-01-01
Mashibuluo	MASBT	Taiwan region	22.6119N	120.6328E	139	From 2007-11-02
Masjed Soleyman	MSHA	Iran	31.9000N	49.3000E		
Masjid Raya, Aceh	MASM	Indonesia	5.2985N	95.5967E	82	From 2019-01-01
Maskali	MKL	Djibouti	11.7123N	43.1498E	5	
Masohi	MSAI	Moluccas,Indonesia	3.3461S	128.9285E	82	From 2005-01-01
Masoko	CRTR	Tanzania	9.3318S	33.7513E	916	From 2013-08-10 to 2015-11-04
Mason Butte	MAS	Idaho,U.S.A.	46.6327N	116.3580W	1141	From 1971-10-01 to 1976-01-14
Mason Hall	CTCT	Tennessee	36.2195N	89.0608W	119	From 1989-10-25 to 1992-03-11
Mason Hall	ATWT	Tennessee	36.2175N	89.0883W	82	From 1989-10-18 to 1992-02-09
Masonville	G60A	Quebec,Canada	45.0977N	72.3337W	391	From 2013-08-10
Massa Finalese, Finale Emilia (MO)	T0813	Italy	44.8778N	11.1992E	0	From 2012-05-20 to 2013-04-05
Massa Finalese, Finale Emilia (MO)	T0800	Italy	44.8486N	11.2479E	8	From 2012-05-21 to 2012-09-11
Massafra	MASS	Italy	40.6333N	17.1445E	274	
Mas Saint Remy, 30006, Aimargues	A200A	France	43.6927N	4.1885E	61	From 2016-08-26
Massa (MS), Italy	MASSA	Italy	44.0139N	10.1153E	-93	From 2019-06-14
Massangena, A3G93	M3G93	Mozambique	21.5885S	32.9213E	185	
Massena	MSNY	New York,U.S.A.	44.9983N	74.8620W	55	From 1977-02-01
Masseria Cannata	ECAN	Sicily,Italy	37.8880N	14.9100E	1140	From 1994-10-01
Masset	MSTB	British Columbia,Canada	54.0033N	132.1180W	91	From 1987-12-04
Masset	MASB	British Columbia,Canada	54.0150N	132.0230W	15	
Masterton Wairarapa College	WRCS	North Island,New Zealand	40.9504S	175.6478E	120	From 2001-12-07
Mastiano	MAIM	Italy	43.9142N	10.4915E	210	From 2000-09-01
Mastorah	MSTR	Saudi Arabia	23.2259N	38.9590E	69	
Masuda	JMD	Shimane,Japan	34.6317N	131.8933E	260	
Masugnsbyn	MASU	Sweden	67.4569N	21.9983E	500	From 2003-11-19
Masuku	MSKU	Gabon	1.6557S	13.6116E	287	
Masusu PS	LL24	Tanzania	2.2662S	35.8072E	1210	From 2013-01-18 to 2014-12-05
Maswa Reserve	MKAO	Tanzania,United Republic of Tanzania	3.4083S	34.7412E	1533	
Matagalpa	MATN	Nicaragua	12.9298N	85.9255W	869	From 2011-04-01
Matagami	MATQ	Quebec,Canada	49.7589N	77.6376W	280	From 2007-09-19
Mataguay Scout Camp, California	MATG	California	33.1992N	116.6473W	1092	From 2014-08-04
Matahina East	MAENZ	New Zealand	38.1068S	176.8500E	209	
Matakaoa Point	MXZ	North Island,New Zealand	37.5623S	178.3066E	106	From 2004-02-19
Matam	MMS	Senegal	15.6167N	13.3333W	50	
Matamata College	MMCS2	North Island	37.8159S	175.7698E	77	From 2002-06-26
Matamba	MATAM	Tanzania	8.9593S	33.9689E	2074	From 2013-08-14 to 2015-11-04
Matani	MTAG	Georgia	42.0905N	45.1668E	694	From 2021-09-24
Matapalo	MATA	Costa Rica	9.3322N	83.9491W	33	From 1999-09-18 to 1999-11-26
Matapalo, MAT	CMAT	Costa Rica	9.3342N	83.9387W	156	From 2002-10-01 to 2003-03-15
Mataram	KLNI	Lombok,Indonesia	8.4219S	116.0949E	99	
Mataram	MTNI	Lombok,Indonesia	8.6360S	116.1707E	108	From 2005-01-01
Matarangi	MAVZ	North Island,New Zealand	39.2679S	175.5616E	2624	From 2008-02-07
Matarih	MATL	Lebanon	33.4887N	35.3297E	5	From 2000-11-01
Matariki Terrace Road	MRNZ	South Island	41.3990S	172.7577E	319	From 2015-04-02
Matariki Wadsworth Road	MATW	South Island,New Zealand	41.4290S	172.7037E	290	From 2015-04-02
Matatall Enterprise, Big Sandy	138A	Texas,U.S.A.	32.6604N	95.0887W	143	From 2010-02-22 to 2012-01-29
Matata Watchorn Farm	MWFS	North Island,New Zealand	37.8591S	176.6689E	59	From 2006-07-20
Matau	MTUR	Romania	45.2261N	25.0630E	1018	From 1988-08-01
Matawai	MWZ	North Island,New Zealand	38.3340S	177.5278E	573	From 2004-02-18
Matea Rd	MRHZ	North Island,New Zealand	38.8337S	176.4174E	715	From 2010-05-14
Mateare	AMTN	Nicaragua	12.2363N	86.4309W	65	From 2014-05-14
Mateeba, Summerville SC	TEEBA	South Carolina	32.8975N	80.1911W	-62	From 2018-04-25
Mateiros - TO	RET12	Tocantins,Brazil	10.5162S	46.4495W	518	From 2011-08-07
Matela PS	LN14	Tanzania	2.4394S	36.4154E	1631	From 2013-01-19 to 2014-12-04
Matelica	MTL1	Italy	43.2567N	13.0096E	353	From 2011-04-05
Matema	MBHS	Tanzania	9.4309S	33.9846E	560	From 2013-08-10 to 2015-11-04
Matera	MTRA	Italia	42.7567N	13.3965E	809	From 2017-07-06
Matera	MATE	Italy	40.6493N	16.7047E	0	From 2007-04-24
Mathat	MATF	Poitou-Charentes,France	45.8308N	0.2883W	30	
Mathiatis	CSS	Cyprus	34.9622N	33.3306E	396	From 1984-07-26
Mati	MATI	Luzon,Philippines	6.9460N	126.2570E	120	
Matias Romero	CMIG	Oaxaca,Mexico	17.0910N	94.8840W	200	
Matiri	TIRI	Tanzania	10.7626S	34.8831E	1295	From 2014-07-21 to 2015-11-04
Matjiesfontein	MATJ	Cape Province	33.2640S	20.5810E	1054	From 2015-08-17
Matka	MYG	North Macedonia,North Macedonia	41.9567N	21.3008E	306	From 1969-01-01
Matlabas, Limpopo	MTLB	South Africa	23.8143S	27.0569E	878	From 2017-05-23
Matola	TOLA	Tanzania	9.5921S	34.5841E	2201	From 2014-06-29 to 2015-11-04
Matopo	MATP	Zimbabwe	20.4258S	28.4994E	1215	
Matouba	MBG	Guadeloupe,France	16.0481N	61.6839W	830	
Matruh	MATC	Egypt	31.3457N	27.2305E	30	
Matruh	HMAT	Egypt	31.0940N	27.0964E	245	
Matshushiro Site	MJ00	Nagano,Japan	36.5427N	138.2070E	406	
Matsu	MTST	Taiwan region	26.0900N	119.5600E	113	
Ma-tsu	MATB	Taiwan region	26.1515N	119.9456E	75	
Matsu Arr-Jizo	MJA0	Nagano,Japan	36.5427N	138.2472E	629	
Matsu-Daira	MJB3	Nagano,Japan	36.4847N	138.2944E	848	
Matsue	MTS	Shimane,Japan	35.4550N	133.0720E	18	
Matsu-Inaba	MJB8	Nagano,Japan	36.5214N	138.2099E	729	
Matsu-Irikaruiz	MJB6	Nagano,Japan	36.4712N	138.2507E	762	
Matsu-Jizotouge	MJA4	Nagano,Japan	36.5115N	138.2422E	997	
Matsula	MTSE	Estonia	58.7144N	23.8146E	3	From 2006-08-07
Matsumoto	MTMJ	Nagano,Japan	36.5850N	137.8050E	929	From 1978-01-01
Matsumoto	MTM	Nagano,Japan	36.2433N	137.9730E	610	
Matsumotoyama	MATH	Iburi,Japan	42.5489N	140.8683E	120	
Matsu-Nakagumi	MJB4	Nagano,Japan	36.4677N	138.2816E	736	
Matsu-Nakaone	MJA2	Nagano,Japan	36.5241N	138.2656E	1126	
Matsushiro	MAJO	Nagano,Japan	36.5427N	138.2070E	405	From 1977-06-30
Matsushiro	MAT	Nagano,Japan	36.5427N	138.2070E	406	From 1947-05-01
Matsushiro Array Beam Reference Point	MJAR	Nagano,Japan	36.5417N	138.2090E	422	
Matsushiro Array Site 0	MAT0	Nagano,Japan	36.5417N	138.2067E	407	
Matsushiro Array Site 1	MJ01	Nagano,Japan	36.5599N	138.2419E	598	
Matsushiro Array Site 2	MJ02	Nagano,Japan	36.5393N	138.3193E	1230	
Matsushiro Array Site 4	MJ04	Nagano,Japan	36.4681N	138.2538E	760	
Matsushiro Array Site 4	MJ03	Nagano,Japan	36.4816N	138.2976E	837	
Matsushiro Array Site 5	MJ05	Nagano,Japan	36.4867N	138.2139E	960	
Matsushiro Array Site 6	MJ06	Nagano,Japan	36.5216N	138.2503E	616	
Matsu-Soehiyama	MJA3	Nagano,Japan	36.4956N	138.2467E	886	
Matsu-Sugadaira	MJB2	Nagano,Japan	36.5423N	138.3160E	1255	
Matsu-Takimoto	MJB1	Nagano,Japan	36.5630N	138.2387E	611	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Matsu-Toyosaka	MJA1	Nagano,Japan	36.5338N	138.2523E	630	
Matsu-Tunnel	MJB9	Nagano,Japan	36.5458N	138.2039E	454	
Matsu-Wadaira	MJB7	Nagano,Japan	36.4898N	138.2108E	997	
Matsuyama	MTY	Ehime,Japan	33.8400N	132.7800E	34	
Matsu-Yatsubo	MJB5	Nagano,Japan	36.4824N	138.2575E	803	
Mattawa	MW-ON	Ontario,Canada	46.2753N	78.5717W	244	From 1962-10-11 to 1962-10-27
Mattawa	MW-	Ontario,Canada	46.2753N	78.5717W	244	From 1962-10-11 to 1962-10-27
Mattawa	E52A	Ontario,Canada	46.2851N	78.6569W	252	From 2012-11-07
Matthews	MATM	Missouri,U.S.A.	36.7743N	89.6046W	86	
Mattituck	N63A	New York,U.S.A.	40.9878N	72.5206W	8	From 2013-09-10
Mattmark	MMK	Switzerland	46.0505N	7.9640E	2210	From 1981-01-07
Matua	MAU	Sakhalinskaya Oblast',Russia	48.0600N	153.2500E	20	
Matupit	MIP	New Britain,Papua New Guinea	4.2433S	152.1900E	2	
Matupit Island	MPT	New Britain,Papua New Guinea	4.2437S	152.1900E	2	
Matura	TTR	Trinidad and Tobago	10.6740N	61.0660W	46	From 1984-07-01
matzaccara	SU21	Sardinia	39.1455N	8.4863E	53	From 2016-07-06 to 2017-12-12
matzaccara	SU27	Sardinia	39.1548N	8.4856E	8	From 2018-08-09 to 2019-02-21
matzaccara	SU25	Sardinia	39.1235N	8.4902E	60	From 2016-07-16 to 2017-04-12
matzaccara	SU24	Sardinia	39.1320N	8.4469E	69	From 2016-07-06 to 2018-12-12
matzaccara	SU23	Sardinia	39.1459N	8.4532E	38	From 2016-07-06
matzaccara	SU22	Sardinia	39.1316N	8.4705E	11	From 2016-07-06
Mauborget	MAUBO	Switzerland	46.8606N	6.6193E	1281	From 2011-11-21
Maui	MAUI	Hawaii,U.S.A.	20.7684N	156.2448W	2060	
Maumere	MMRI	Flores,Indonesia	8.6357S	122.2376E	137	From 2006-11-01
Mauna Kea	MKH	Hawaii,U.S.A.	19.8267N	155.4720W		From 1975-01-01 to 1999-08-25
Mauna Loa	MLH	Hawaii,U.S.A.	19.4940N	155.3860W	2010	From 1958-07-01
Mauna Loa 2	MLX	Hawaii,U.S.A.	19.4600N	155.3450W	1475	From 1966-09-21
Mauna Loa Observatory	MLOA	Hawaii,U.S.A.	19.5360N	155.5760W	3399	
Maungaku	MGZ	North Island,New Zealand	39.0002S	175.5390E	806	From 1984-04-03 to 2005-05-13
Maungataniwha	MTHZ	North Island,New Zealand	38.8523S	176.8411E	620	From 2011-10-20
Maupin	VMNM	Oregon,U.S.A.	45.1868N	121.0530W	555	
Maura Aman, Bengkulu	MASI	Sumatera,Indonesia	3.1415S	102.2396E	384	From 2008-12-01
Maura Dua	MDSI	Sumatera,Indonesia	4.4861S	104.1783E	0	From 2007-12-01
Mauren, Feuerwehr, FL	SMFL	Switzerland	47.2100N	9.5463E	440	From 2014-10-15
Maurine	G26A	South Dakota,U.S.A.	45.2937N	102.5990W	833	From 2009-07-09 to 2011-05-26
Mauritius Island	MRI	Mauritius	20.1000S	57.5300E		
Mauritius Meteorological Services (Vacoas)	MRIV	Mauritius	20.2980S	57.4970E	424	From 2007-01-15
Mausoleum Waldhaus Greiz	GRZ1	Thuringen,Germany	50.6924N	12.2196E	203	From 2012-01-16
Mavora Lakes	MLZ	South Island,New Zealand	45.3665S	168.1184E	594	From 1996-03-09
Mavria	S007	Greece	37.4540N	22.0550E	565	
Mavrokklisi	GR06	Greece	41.3389N	26.2718E	277	From 2022-09-30
Mavrovouni	MVOU	Cyprus	35.0160N	33.6320E	113	From 2013-07-01
Mawana Gate	MWG1	Botswana	19.6300S	23.8200E	962	From 2001-01-01 to 2100-12-31
Mawashi	MWS	Ryukyu Islands,Japan	26.2333N	127.6830E	25	
Mawson	MAW	Mac Robertson Land	67.6039S	62.8706E	12	From 1956-01-01
Maxey Ranch	PMRM	California,U.S.A.	35.7848N	120.2360W	512	
Maxfield	G64A	Maine,U.S.A.	45.2527N	68.7558W	165	From 2013-09-22
Maximikha	MXMB	Buryatiya,Russia	53.2630N	108.7450E	510	From 1997-10-01
Maxixe, 3878	M3878	Mozambique	23.8815S	35.2292E	45	
MAY	MAYMX	Baja California	32.0050N	115.2400W	22	
Mayabunder	MYB	Andaman Islands,India	12.8750N	92.9230E	44	From 2012-01-01
Mayacamas Mountains	GMMM	California,U.S.A.	38.8382N	122.7988W	963	
Mayadein	HMYD	Egypt	29.7958N	30.8009E	275	
Mayaguez	MPR	Puerto Rico	18.2117N	67.1398W	22	From 1973-01-01
Mayak Korsakovskie (Korsakov)	KRS4	Sakhalinskaya Oblast',Russia	46.6097N	142.8011E	100	From 2003-01-01
Mayak na Mysu Ozernom	MAYS	Kamchatskaya Oblast',Russia	57.7200N	163.3100E	10	From 1969-12-01 to 1970-01-01
Mayche	MAYE	Ethiopia	12.7832N	39.5343E	2440	
Maychil	PT20	Peru	6.5190S	79.1860W	1180	
Mayfield	MAY	Washington,U.S.A.	46.0833N	122.0830W		
Mayfield School	MAYC	South Island,New Zealand	43.8231S	171.4217E	258	From 2004-11-29
Mayfield South Station	KS20	Kansas,U.S.A.	37.2297N	97.5543W	372	From 2015-11-19
May Junction 2	MJ2	Washington,U.S.A.	46.5575N	119.3590W	146	From 1989-03-13
Maynard	MAYB	British Columbia,Canada	50.4025N	127.1720W	1414	From 1994-09-02
Mayon Resthouse	VMR	Luzon,Philippines	13.2800N	123.6710E	800	
Mayorazgo	MAYR	Peru	12.0550S	76.9440W	320	
Mayor Island	MYRZ	North Island,New Zealand	37.2802S	176.2410E	356	From 2004-05-24
Mayo, Yukon	MAYO	Yukon Territory,Canada	63.5958N	135.8921W	510	From 2013-07-01
Maysville	MVKY	Ohio,U.S.A.	38.6460N	83.7614W	213	
Mazada	MSBI	Israel	31.3126N	35.3580E	-223	From 2013-06-16
Mazangano	JSCL	Uruguay	32.1314S	54.6376W	122	From 2018-09-29
Mazaricos	EMAZ	Spain	42.9490N	8.9765W	405	
Mazarron	EXMAZ	Spain	37.5953N	1.3053W	52	
Mazatlaan	MAIG	Sinaloa,Mexico	23.1883N	106.4244W	10	
Mazatlan	MZX	Sinaloa,Mexico	23.2008N	106.4253W	10	
Mazatlan	MAZ	Sinaloa,Mexico	23.1881N	106.4061W	65	
Mazayejan_Fars	MZJN	Iran	28.0597N	54.6518E	795	From 2022-04-15
Mazayjan	MZN1	Iran	28.0597N	54.6518E	799	From 2022-04-15
Maze	MZE	Gifu,Japan	35.8911N	137.1553E	590	
Mazenod Senior College, Perth	AUMAZ	West Australia,Australia	32.0100S	116.0400E	263	From 2013-09-09
Mazi	S021	Greece	38.3610N	23.0890E	289	
Mazidag	MAZI	Turkey	37.4593N	40.4467E	1212	From 2009-06-29
Mazie Landing	MZO	Oklahoma,U.S.A.	36.1316N	95.3001W	182	From 1976-09-16 to 1978-06-16
Mazikoy-Bodrum	RFTAA	Turkey	36.9983N	27.7455E	11	From 2017-08-02
Mazirat	MZF	Auvergne,France	46.2156N	2.5839E	480	From 1971-01-01 to 1985-07-10
Mazirat	MAF	Auvergne,France	46.2215N	2.5664E	470	From 1985-07-10
Mazon	MSON	Ecuador	1.4845S	78.4678W	3380	From 1992-12-10
Mazracia	MAZR	Egypt	27.9292N	33.9948E		
Mazsada	MDBI	Israel	31.3126N	35.3580E	550	From 2012-11-01
Mbamba Bay	MBAM	Tanzania	11.2484S	34.7919E	560	From 2014-07-21 to 2015-11-04
Mbangamawe	BANG	Tanzania	10.1128S	35.6506E	960	From 2014-07-14 to 2015-11-04
Mbarara	MBAR	Uganda	0.6019S	30.7382E	1390	
Mbeya	MBAT	Tanzania,United Republic of Tanzania	8.8740S	33.4528E	1780	From 1992-06-12
Mbeya	MBEY	Tanzania	8.9996S	33.2504E	1393	From 2013-08-15 to 2015-11-04
M'Bour	MBO	Senegal	14.3908N	16.9547W	3	
MBSI	MBSI	Sumatera,Indonesia	3.7611S	102.2710E	27	From 2006-12-01
Mbulu	MBUL	Tanzania,United Republic of Tanzania	3.8780S	35.5140E	1933	
McAdam	MCNB	New Brunswick	45.5958N	67.3198W	167	From 2016-05-21
McAdam 2	MCA2	New Brunswick,Canada	45.5921N	67.3127W	498	From 2012-03-17
McAdam 3	MCA3	New Brunswick,Canada	45.5870N	67.3367W	552	From 2012-03-17
McAdam 4	MCA4	New Brunswick,Canada	45.5980N	67.3260W	140	From 2012-04-26
McAlpin	555A	Florida,U.S.A.	30.1212N	82.9666W	29	From 2012-02-14
McAlpine Lake	MALO	Ontario,Canada	50.0244N	79.7635W	271	
McCall Drive, Benicia	C032	California,U.S.A.	38.0825N	122.1576W	76	From 2009-11-24 to 2017-02-10
McCarthy VSAT	MCARA	Alaska,U.S.A.	61.3836N	143.0240W	447	From 2013-01-01
Mcclaflin, Tower City	D31A	North Dakota,U.S.A.	47.0481N	97.7226W	359	From 2010-08-11 to 2012-06-21
McClaskey Farms, Geuda Springs	T34A	Kansas,U.S.A.	37.0222N	97.1883W	361	From 2010-05-05 to 2012-03-06
McCloud	M03C	California,U.S.A.	41.2742N	122.1220W	1047	From 2005-07-12 to 2007-11-13
McCloud Flat S	MFSM	California,U.S.A.	36.1172N	117.8550W	1524	From 1975-09-25
McCloud Flat South	MFS	California,U.S.A.	36.1172N	117.8550W	1524	From 1975-09-25
McClure	MCIL	Illinois,U.S.A.	37.2965N	89.4984W	115	
McComb	MB-MS	Mississippi,U.S.A.	31.3428N	90.2864W	122	From 1966-11-15 to 1966-12-06
McComb	MB-	Mississippi,U.S.A.	31.3428N	90.2864W	122	From 1966-11-15 to 1966-12-06
McCoy, N04	NCR04	Colorado	39.9203N	106.7205W	2089	
McCrory	MY-	Arkansas,U.S.A.	35.3511N	91.0797W	61	From 1962-07-16 to 1962-08-03
McCrory	MY-AR	Arkansas,U.S.A.	35.3511N	91.0797W	61	From 1962-07-16 to 1962-08-03
McDonald Obs.	MOT3	Texas,U.S.A.	30.5419N	104.6580W	1481	
McDonald Obs.	MOT2	Texas,U.S.A.	30.8990N	105.0800W	2088	
McDonald Obs.	MOT4	Texas,U.S.A.	30.2730N	104.5700W	1469	
McDonald Obs.	MOT1	Texas,U.S.A.	30.9290N	104.3910W	1715	
McDonald Observatory	MOT	Texas,U.S.A.	30.6797N	104.0080W	2020	From 1975-08-01
McDonald Observatory, Fort Davis	426A	Texas,U.S.A.	30.6689N	104.0293W	1943	From 2008-03-12 to 2010-02-09
McDonald Ranch, Hollis	X31A	Oklahoma,U.S.A.	34.6309N	99.9793W	514	From 2009-03-19 to 2011-02-14
McDougall's Quarry	MDQNZ	New Zealand	37.8512S	176.5513E	65	
McDuffie Farm, Elizabethtown	X59A	North Carolina,U.S.A.	34.5720N	78.6023W	29	From 2013-02-10
McGee Avenue Berkeley	C031	California,U.S.A.	37.8632N	122.2769W	29	From 2009-10-20
McGee Canyon	MGNR	California,U.S.A.	37.8131N	118.6963W	2464	
McGee Creek	MGCB	British Columbia,Canada	48.6317N	123.6808W	236	
McGill	P12A	Nevada,U.S.A.	39.4731N	114.9075W	1878	From 2006-05-30 to 2008-09-02
McGinn's Farm, Dalton	N52A	Ohio,U.S.A.	40.8125N	81.6876W	331	From 2013-01-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
McGregor	E36A	Minnesota,U.S.A.	46.5177N	93.2557W	393	From 2010-10-17 to 2012-07-29
McKendrick Lake	KLN	New Brunswick,Canada	46.8433N	66.3717W	411	
McKenzie Canyon	MCMT	Montana,U.S.A.	44.8277N	112.8490W	2323	From 1989-09-14
McKinley	MCK	Alaska,U.S.A.	63.7323N	148.9349W	618	From 1964-12-01
McKinley Avenue, Clintonville	WI01	Wisconsin,U.S.A.	44.6325N	88.7495W	255	
McKinney Farm, Littlefield	Y28A	Texas,U.S.A.	33.9086N	102.2479W	1068	From 2009-01-26 to 2010-11-16
McLaughlin	F28A	South Dakota,U.S.A.	45.8485N	100.8005W	633	From 2009-08-21 to 2011-05-06
McLaughlin Mine	HOME	California,U.S.A.	38.8800N	122.4600W	0	
McLaughlin Mine	MNRC	California,U.S.A.	38.8787N	122.4428W	709	From 2003-06-19
McLaughlin Ranch	GMCM	California,U.S.A.	38.7927N	123.1300W	439	From 1975-05-07
McManaman Lake, Nunavut	MCMN	Nunavut,Canada	63.3043N	92.2977W	46	From 2010-08-04
McMillan Canyon	PMCM	California,U.S.A.	35.7247N	120.3710W	488	
McMinnville	MM-	Tennessee,U.S.A.	35.5644N	85.5889W	381	From 1961-12-17 to 1963-04-01
McMinnville	MM-TN	Tennessee,U.S.A.	35.5644N	85.5889W	381	From 1961-12-17 to 1963-04-01
McMinnville	V49A	Tennessee,U.S.A.	35.7663N	85.9030W	329	From 2012-05-06
McMinnville, OR	G03D	Oregon,U.S.A.	45.2115N	123.2641W	222	From 2009-10-24
McMurdo Sound	MCM	Victoria Land	77.8333S	166.6000E	25	
McNeil Island	MEW	Washington,U.S.A.	47.2019N	122.6460W	98	From 1985-03-01
McNeill Hill	MCHZ	North Island,New Zealand	39.4442S	176.6967E	291	From 2008-05-27
McNeil River	MCL	Alaska,U.S.A.	59.1027N	154.2000W	273	From 1975-01-01 to 1981-08-16
McNeil River	MCNL	Alaska,U.S.A.	59.1852N	154.3370W	442	From 1981-08-22
McPhails Peak	BMCM	California,U.S.A.	36.6567N	121.3650W	1022	From 1975-01-26
Mcpherson Peak, Los Olivos	PKM	California,U.S.A.	34.8885N	119.8136W	1739	From 1976-08-01
McQueen's Valley	MQZ	South Island,New Zealand	43.7061S	172.6538E	57	From 1989-10-13
McRoberts Ranch, Bridgeport	M26A	Nebraska,U.S.A.	41.4661N	103.1427W	1348	From 2008-12-06 to 2010-10-08
MD31	MD31	Morocco	32.8670N	4.7590W	900	
MDRK2	MDRK2	Saudi Arabia	22.2945N	40.2614E	1389	
Meade Ranch, Gillette	I23A	Wyoming,U.S.A.	43.9605N	105.4629W	1462	From 2008-10-16 to 2010-09-10
Meade River	B20K	Alaska,U.S.A.	70.0079N	157.1599W	74	From 2017-08-11
Meadow Creek Golf Course	MGU	Utah,U.S.A.	40.6815N	111.9180W	1291	From 1993-06-24
Meadow Station	MUKOZ	Western Australia	26.7575S	114.6094E	130	From 2019-03-13
Meadowview Drive Castro Valley	C021	California,U.S.A.	37.6950N	122.0638W	68	From 2009-07-14
Meamuldo	MMD	Republic of Korea	34.6488N	128.5769E	117	From 2018-03-09
Meangora	MEG	New South Wales,Australia	35.1006S	150.0370E	712	From 1978-05-17 to 2007-08-29
Meany Midle School ANSS-SMO	MEAN	Washington,U.S.A.	47.6225N	122.3064W	37	From 2002-02-19
Mecca Hills	MECC	California,U.S.A.	33.6353N	116.0280W	495	
Mechanicsville	S59A	Virginia,U.S.A.	37.7620N	77.2942W	40	From 2013-04-12
Mechernich	MEC	Nordrhein-Westfalen,Germany	50.6000N	6.6667E		
Mechra Hommadi	M008	Morocco	34.7327N	2.7973W	296	
Meckering	MECK	Western Australia	31.6319S	117.0075E	203	
Meckering South	MEKS	Western Australia	31.7018S	117.0300E	221	
Mecseknadasd	PKS4	Hungary	46.2340N	18.4635E	257	
Meda	MEDT	Tunisia	34.1082N	9.9203E	90	
Medan	MED	Sumatera,Indonesia	3.5500N	98.6833E	32	
Medea	AMDA	Algeria	36.2600N	2.7100E	1059	
Medea	MEB	Algeria	36.3030N	2.7300E	500	
Medelin, Cebu	MECP	Cebu	11.1600N	123.9700E	70	From 2016-09-20
Medellin	MEDC	Colombia	6.2028N	75.5808W	1518	
Medelln, Antioquia	MEDEC	Colombia	6.2760N	75.5893W	1552	From 2016-12-14
Medeo	MDOK	Kazakhstan	43.1631N	77.0481E	1590	From 1995-01-01
Medford	MF-	Wisconsin,U.S.A.	45.3475N	90.5897W	412	From 1962-12-22 to 1963-04-01
Medford	MF-WS	Wisconsin,U.S.A.	45.3475N	90.5897W	412	From 1962-12-22 to 1963-04-01
Medias	MDB	Romania	46.1417N	24.3806E	375	From 1979-01-01
Medical Clinic, Shawira	SHAW	Ethiopia,Ethiopia	11.9297N	36.8702E	2231	From 2014-04-14 to 2017-12-01
Medicine Creek Dam	MKN	Nebraska,U.S.A.	40.3739N	100.2250W	732	From 1979-03-01 to 2001-07-15
Medicine Hat	MEDA	Alberta,Canada	49.9815N	110.7424W	721	From 2009-10-14
Medicine Lake	LMDM	California,U.S.A.	41.5730N	121.6230W	2140	
Medina	MEDY	New York,U.S.A.	43.1818N	78.3903W	186	From 1978-12-01 to 2002-12-20
Medina	MEDO	New York,U.S.A.	43.1646N	78.4546W	190	From 2004-05-07
Medio Mundo	MMO	Nicaragua	11.8942N	86.0150W	480	From 1975-01-01
Mednyi	MEDS	Kamchatskaya Oblast',Russia	54.7860N	167.5560E	150	From 1973-01-01 to 1975-12-31
Medolla (MO)	MIR01	Italy	44.8440N	11.0711E	20	From 2012-05-24
Medovarce	A336A	Slovakia	48.2333N	18.9990E	183	From 2015-08-14
Medrzechow	PL19A	Poland	50.2830N	20.9442E	167	From 2019-11-25
Meekatharra	MEK	Western Australia,Australia	26.6128S	118.5450E	515	
Meekatharra	MEKA	Western Australia,Australia	26.6142S	118.5360E	390	From 1986-05-01 to 1991-06-16
Meekatharra	MEEK	Western Australia,Australia	26.6376S	118.6135E	529	From 1992-06-03
Meeker Airport, N03	NCR03	Colorado	40.0399N	107.8929W	1932	
Meers	MEO	Oklahoma,U.S.A.	34.7835N	98.5846W	465	From 1985-09-01
Meers Fault	MFO	Oklahoma,U.S.A.	34.8212N	98.5296W	451	From 1984-04-20 to 1985-05-31
Meerut	MERT	Uttar Pradesh	28.9740N	77.7350E	213	From 2015-07-01
Meerut	MEE	Uttar Pradesh,India	28.9167N	77.6667E	220	
Meeteetse	I19A	Wyoming,U.S.A.	44.0363N	108.9943W	1982	From 2008-08-12 to 2010-09-14
Megalochori,Methana,Greece	MET6	Greece	37.5917N	23.3561E	121	From 2019-02-13
Megalo Eleftherochori	TYR6	Greece	39.6895N	22.0781E	462	From 2021-03-07 to 2021-04-30
Megalopolis	MGP1	Greece	37.4019N	22.1386E	431	From 2011-10-01
Meganis	MGNA	Greece	38.6561N	20.7912E	58	From 2010-12-01
Megenta	MEGE	Ethiopia	11.4906N	41.3381E	349	
Megha	MEGN	Nepal	28.7100N	82.3400E	2740	
Megler CREST BB SMO	MEGW	Washington,U.S.A.	46.2661N	123.8771W	351	From 2001-11-16
Megri	MGRZ	Armenia	38.9000N	46.2400E	0	
Mehan	OK033	Oklahoma,U.S.A.	36.0444N	96.9382W	258	From 2015-11-21
Mehetia	MEH	Society Islands,French Polynesia	17.8753S	148.0661W	300	
Mehola	MEHL	Israel	32.3658N	35.5160E	149	From 2018-03-04
Mehriz	IMEH	Iran	31.3902N	54.6130E	2130	From 1998-10-01
Mehrstedt	MEHR	Thuringen	51.2833N	10.6588E	298	From 2020-11-12
Mei-Ami	MAMI	Israel	32.5000N	35.1500E	460	
Meikle Cairn	MME1	Scotland,United Kingdom	57.3149N	2.9647W	475	From 1981-01-01
Meinersdorf	MEINS	Germany	50.7320N	12.8810E	501	
Meis	MISE	Ethiopia	9.2369N	40.7591E	1310	
Meishan	TWO1	Taiwan region	23.5705N	120.5946E	231	From 1976-08-20
Meishan	TWO	Taiwan region	23.5761N	120.5490E	180	From 1972-09-10
Meitler Ranch, Lucas	Q32A	Kansas,U.S.A.	38.9908N	98.5596W	526	From 2009-10-20 to 2011-08-24
Mejillones	MEJI	Antofagasta,Chile	23.0997S	70.4953W	500	
Mejillones	MECH	Antofagasta,Chile	23.1038S	70.4483W	18	From 2007-11-16
Mekoryuk	M11K	Alaska,U.S.A.	60.3849N	166.2011W	3	From 2017-05-24
Melanico - S. Croce di Magliano	MELA	Italy	41.7059N	15.1270E	115	From 2008-04-23
Melbourne	MEL	Victoria,Australia	37.8314S	144.9733E	28	From 1902-01-01
Meldola (FC)	AD01	Italy	44.0583N	12.0975E	284	From 2010-03-31
Melhnausar	IMEL	Iceland	65.5700N	16.6573W	370	From 2009-09-30
Melilla	WMELI	Spain	35.3173N	2.9518W	102	From 2015-10-22
Melilla	EMEL	Spain	35.3000N	2.9567W	85	From 1988-02-01 to 1999-01-31
Melilla	MELI	Spain	35.2938N	2.9350W	5	
Melilla	EMLI	Morocco	35.3000N	2.9500W	0	From 2002-06-21
Melilli	MEI	Sicily,Italy	37.1806N	15.1300E		
Melilli (SR)	FX02	Italy	37.1775N	15.1357E	272	From 2021-12-22 to 2023-02-02
Melimoyu	MMYU	Patagonia	44.0583S	72.8000W	842	From 2010-01-01
Meliti, Florina	FNA3	Greece	40.8346N	21.5843E	704	From 2022-02-03 to 2022-06-23
Melito di Porto Salvo	MLPS	Italy	37.9227N	15.7776E	31	From 2022-10-12
Mellen	E39A	Wisconsin,U.S.A.	46.3777N	90.5557W	426	From 2011-09-07 to 2013-06-08
Melles	MELF	Midi-Pyrenees,France	42.8727N	0.7592E	940	From 1997-10-08
Mellieha tower	MELT	Malta	35.9747N	14.3427E	98	From 2017-04-25
Melozitna River	H21K	Alaska,U.S.A.	65.6571N	152.8050W	520	From 2015-05-31
Melrose High School	AUMHS	Australian Capital Territory,Australia	35.3600S	149.0900E	615	From 2011-05-04
Mels	MELS	Switzerland	47.0484N	9.3826E	1060	
Mels Schulhaus Feldacker, SG	SMELS	Switzerland	47.0465N	9.4272E	488	From 2018-07-17
Mely	MLYF	Provence-Cote d'Azur,France	43.9880N	5.7670E	765	From 2010-07-13
Membach	MEM	Belgium	50.6087N	6.0096E	250	
Memmingen2	A107B	Germany	48.0312N	10.2329E	648	From 2015-11-20 to 2016-06-29
Memmingen - Eisenburg	A107C	Germany	48.0194N	10.1998E	667	From 2016-06-28
Memmingen, Holzguenz	A107A	Germany	48.0311N	10.2271E	684	From 2015-11-09 to 2016-06-02
Memphis	MPH	Tennessee,U.S.A.	35.1230N	89.9320W	94	From 1978-09-21 to 1983-01-10
Memphis--Engineering Building	MET	Tennessee,U.S.A.	35.1220N	89.9340W	93	From 1973-11-13
Menahamia	MNHA	Israel	32.6636N	35.5523E	-132	From 2018-03-06
Menan Buttes	MBI	Idaho,U.S.A.	43.7864N	111.9710W	1707	From 1973-09-01 to 1974-07-31
Menard	432A	Texas,U.S.A.	30.8755N	99.7937W	647	From 2009-02-17 to 2011-01-24
Menbuxiang, Xizang Zizhiqu	MNBU	Xizang Zizhiqu,China	28.7558N	86.1610E	4500	From 2002-07-18 to 2002-11-05
Mencas	MENF	Picardie,France	50.5582N	2.1550E	100	
Mendeleevo	MNDR	Sakhalinskaya Oblast',Russia	43.9716N	145.6934E	220	From 2011-09-20

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mendenhall	O30N	Yukon Territory,Canada	60.7704N	136.0906W	821	From 2016-05-12
Mendenhall Lab., The Ohio State Univ., Columbus, OH	OHIO	Ohio	40.9983N	83.0108W	225	From 2020-11-09
Mendi	MNDI	Papua New Guinea	6.1550S	143.6580E	1800	From 1985-08-28
Mendips	SMD	England,United Kingdom	51.3083N	2.7170W	310	
Mendoza	MDZ	Mendoza,Argentina	32.8833S	68.8500W	826	From 1968-03-07
Mendoza	MEN	Mendoza,Argentina	32.9050S	68.8642W	287	
Mendum Tagoi	MENI	Irian Jaya,Indonesia	2.5103S	140.4170E	300	
Menemeni	TMN1	Greece	40.6574N	22.9058E	85	From 2008-09-30
Menerdue Farm	CME	England,United Kingdom	50.1760N	5.1903W	178	From 1982-01-01 to 1994-05-31
Mengen	MGN	Turkey	40.9248N	32.1812E	720	From 1970-08-01 to 1982-07-10
Menlo Park	JMPM	California,U.S.A.	37.4556N	122.1660W	17	
Menlo Park	MOB	California,U.S.A.	37.4502N	122.1830W	21	From 1967-09-22 to 1976-09-11
Menlo Park	LT7	California,U.S.A.	37.4502N	122.1830W	21	From 1967-09-22 to 1976-09-11
Menlo Terrace Mount Pleasant Christchurch	MENS	South Island,New Zealand	43.5585S	172.7115E	35	From 2012-06-27
Mentasta	MENT	Alaska,U.S.A.	62.9381N	143.7194W	702	
Menteroda	MENTE	Thuringen	51.3155N	10.5798E	393	From 2019-04-17
Menton	MENA	Provence-Cote d'Azur,France	43.7840N	7.4890E	210	From 1999-02-09
Mentone	TPB07	Texas	31.5794N	103.6679W	856	From 2017-10-11
Mentor	CMEN	Ohio,U.S.A.	41.6840N	81.4040W	188	
Menzel Bouzelfa	MBZ	Tunisia	36.6800N	10.6700E	220	
Menzies	MENZ	Western Australia	29.6930S	121.0280E	430	From 2021-12-08 to 2031-12-08
Menzies Bay Banks Peninsula	MNZS	South Island,New Zealand	43.6374S	172.9738E	102	From 2013-03-15
Meolans	OG27	Rhone-Alpes,France	44.3932N	6.5085E	1393	From 1991-04-17
Meolans-Revel, 04161, Alpes-de-Haute-Provence	A194A	France	44.3933N	6.5023E	1255	From 2016-08-04
Mera	TMS	Chiba,Japan	34.9200N	139.8280E	13	
Merano	MRNO	Italy	46.6536N	11.1544E	341	From 2019-02-19
Merapi	MRP	Jawa,Indonesia	7.4000S	110.2670E		
Merate	MERA	Italy	45.6725N	9.4182E	350	From 2005-10-25
Merauke	MMPI	Irian Jaya,Indonesia	8.4667S	140.3833E	8	
Mercadel, El Hierro	CMCL	Canary Islands,Spain	27.7130N	18.0199W	1105	From 2011-07-01
Mercato Saraceno	MCSO	Italy	43.9937N	12.1067E	249	
Merced	S05C	California,U.S.A.	37.3460N	120.3296W	85	From 2005-04-18 to 2007-12-08
Merced, CA USA	MERC	California	37.3886N	120.4594W	65	From 2020-01-01
Mercedes	MECA	Parana	29.2969S	58.1735W	90	From 2016-08-20 to 2099-12-12
Mercedes San Jose	SJS3	Costa Rica,Costa Rica	9.9380N	84.0522W	1212	
Mercer	MCR	Alaska,U.S.A.	63.8952N	149.0590W	456	From 1971-09-01 to 1975-07-31
Mercer Eighty, Eskridge	Q35A	Kansas,U.S.A.	38.8586N	96.0368W	402	From 2010-05-12 to 2012-03-10
Mercer Wildlife Area Ohio	MWLO	Ohio	40.5030N	84.5690W	265	From 2018-05-01 to 2500-06-01
Mercury	MCY	Nevada,U.S.A.	36.6620N	115.9621W	1308	From 1980-03-07 to 2002-10-10
Mercury	MCN	Nevada,U.S.A.	36.9315N	116.0560W		
Mercury	MCV	Nevada,U.S.A.	36.6335N	116.0000W	1158	From 1971-01-01 to 1979-08-31
Mercy Hot Springs	BMSM	California,U.S.A.	36.6580N	120.7940W	769	From 1973-12-06
Merhavia	MRHV	Israel	32.6054N	35.3090E	97	From 2019-01-22
Mericourt-en-Vimeu	MERIC	France	49.8984N	1.9481E	-12	From 2021-11-15
Merida	MER	Yucatan,Mexico	20.9475N	89.6164W	7	
Merida	MYIG	California,U.S.A.	20.9581N	89.7396W	13	
Meridian	MRO	Oklahoma,U.S.A.	35.8356N	97.2265W	294	From 1978-03-16 to 1982-09-04
Merijarvi	OUF	Finland	64.3673N	24.7314E	95	From 2011-01-10
Meriville Lake	BMRO	Ontario,Canada	44.5952N	81.2174W	178	From 2007-08-02
Merke	MRKS	Kazakhstan	42.7450N	73.2260E	1160	From 2002-11-26
Merkez	CAMT	Turkey,Turkey	38.7484N	27.3125E	279	
Merkhyat	MRKH	Sudan	15.7096N	32.3700E	424	From 2003-11-01
Merkley Row, San Jose	C036	California,U.S.A.	37.3802N	121.7931W	329	From 2010-04-21
Meron	MERN	Israel	33.0152N	35.4029E	819	From 2019-08-18
Merouana	CMER	Algeria	35.6200N	5.9000E	1020	
Merrill Creek	PMMC	New Jersey,U.S.A.	40.6410N	75.1230W	152	
Merrill Creek	PEMC	New Jersey,U.S.A.	40.7580N	75.0760W	305	
Merrill Creek	HRMC	New Jersey,U.S.A.	40.7230N	75.0890W	295	
Merrill Creek	PFMC	New Jersey,U.S.A.	40.7250N	75.1550W	220	
Merrill Creek	PDMC	New Jersey,U.S.A.	40.7560N	75.1170W	232	
Merrill Creek	FHMC	New Jersey,U.S.A.	40.7510N	75.0400W	256	
Merrill Creek	ABMC	New Jersey,U.S.A.	40.6860N	75.0540W	170	
Merrill Creek	EPMC	New Jersey,U.S.A.	40.6580N	75.1900W	140	
Merritt	ME-	British Columbia,Canada	50.1058N	120.6656W	1067	From 1962-07-07 to 1962-07-17
Merritt	ME-BC	British Columbia,Canada	50.1058N	120.6656W	1067	From 1962-07-07 to 1962-07-17
Mersa Alam	EMRS	Egypt	25.0131N	34.8387E	213	From 2003-06-20
Mersin	DED	Turkey	36.9614N	34.7993E	479	From 2007-02-10
Mersin	KIZK	Turkey	36.4803N	34.1437E	165	From 2009-06-10
Mersin	MERS	Turkey	36.8677N	34.5222E	802	From 2005-08-23
MERSIN_Gulnar	GULN	Turkey	36.1837N	33.5436E	145	From 2011-10-06
Mertquake, Salem	N40A	Iowa,U.S.A.	40.8841N	91.5837W	208	From 2011-08-24
Mertzon	330A	Texas,U.S.A.	31.4063N	101.1752W	742	From 2009-03-04 to 2011-02-07
Meru	MERK	Kenya	0.1925S	37.8095E	920	From 1997-12-01
Merweville	MERW	Cape Province	32.6730S	21.5230E	1095	From 2016-08-15
Merzbaher-Enilchek	MRZ1	Kyrgyzstan	42.2246N	79.8597E	3354	From 2011-08-01
MESA	MESA	Alaska,U.S.A.	60.1785N	141.9505W	1919	From 2013-01-01
Mesachie Lake	B926	British Columbia,Canada	48.8202N	124.1312W	191	From 2007-11-12
Mesa Falls	YPMF	Idaho,U.S.A.	44.1432N	111.2882W	1786	
Mesagne	MESG	Italy	40.5890N	17.8500E	78	From 2009-05-26
Mesa Lucero	MLM	New Mexico,U.S.A.	34.8144N	107.1450W	2088	From 1976-01-01
Mesa, Roswell	Y25A	New Mexico,U.S.A.	33.9229N	104.6928W	1364	From 2008-04-16 to 2010-03-07
Mesas	MESS	Costa Rica	10.7407N	85.1943W	677	From 2000-01-01
Mesa State College	MSCO	Colorado,U.S.A.	39.0794N	108.5546W	1387	
Mesa Verde	MVCO	Colorado,U.S.A.	37.2103N	108.4986W	2169	From 2006-04-18
Meseseni	MESR	Romania	47.1499N	22.9494E	306	From 2015-06-05
Meshili Boma	PR63	Tanzania	2.9933S	35.5067E	1362	From 2013-01-19 to 2014-12-07
Meshkindasht	AMD1	Iran	35.7488N	50.9608E	1249	
Mesimeri, Greece	GR07	Greece	40.7845N	22.0208E	506	From 2022-09-28
Mesita, S26	SCR26	Colorado	37.0975N	105.6020W	2344	
Mesochori - Packman	TYR3	Greece	39.7500N	22.1049E	209	From 2021-03-08 to 2021-04-30
Mesquite Ranch, Deming	221A	New Mexico,U.S.A.	32.0094N	107.7782W	1277	From 2008-02-11 to 2010-01-18
Messejana	MESJ	Portugal	37.8395N	8.2199W	249	From 2007-07-04
Messern	A007A	Austria	48.7162N	15.5288E	484	From 2015-07-07
Messina	MSNA	South Africa	22.3452S	30.0232E	600	
MESSINA FORTE GONZAGA	MFG	Italy	38.1888N	15.5406E	196	From 2009-02-27
Messina ING	MSI	Sicily,Italy	38.2052N	15.5539E	55	From 1967-07-01
Messina Univ.	MES1	Sicily,Italy	38.1989N	15.5550E	45	
Messina University	MES	Sicily,Italy	38.1989N	15.5550E	45	
Messolongi	MSL1	Greece	38.3727N	21.4243E	14	From 2012-10-01
Messtetten	MSS	Baden-Wurttemberg,Germany	48.1774N	8.9604E	951	From 1933-01-01
Mesters Vig	MVG	Norway	72.2300N	23.9400E	0	From 2010-09-09
Mestia	MTIG	Georgia,Georgia	43.0417N	42.7723E	1395	From 1973-01-01
Met	MTZV	Vietnam	21.5480N	106.3420E	50	From 2002-01-01
Metahra	OMET	Algeria	35.3300N	0.7300W	400	From 2004-12-01
Meteo	MTEO	Georgia	42.6799N	44.5333E	3677	From 2014-08-22
METEO PORTO CESAREO	MPC	Italy	40.2608N	17.8967E	20	From 2005-01-31
Meteora, Kalambaka, Greece	GR17	Greece	39.7337N	21.6307E	493	From 2022-09-29
Meteti	UPD2	Panama	8.5475N	78.0148W	86	From 2010-06-01
Methana Town, Methana, Greece	MET1	Greece	37.5785N	23.3859E	13	From 2019-07-24
Methoni	MTHA	Greece	36.8202N	21.7062E	10	
Methoni	MES2	Greece	36.8245N	21.7071E	52	From 2011-10-14
Methven, DAR1	DARN1	South Island	43.6599S	171.7176E	273	
Methven North	MTHS	South Island,New Zealand	43.5632S	171.6664E	410	From 2011-08-27
Metnitz	D159	Austria	46.9663N	14.1528E	1035	From 2019-12-16
Metropolitana Norte	MENO	Costa Rica	9.9394N	84.0786W	1142	From 2020-12-14
Metropolitana Sur	MESU	Costa Rica	9.9264N	84.0809W	1146	From 2020-12-09
Metsahovi	MEF	Finland	60.2172N	24.3958E	55	
Metsamor	METS	Armenia	40.1500N	44.0800E	850	
Metsamor	MCRS	Armenia	40.1883N	44.1383E	850	
Metsoke Dragot	DSI1	Israel	31.5900N	35.3920E	50	From 1994-04-01 to 1998-06-30
Metsovo	MSVA	Greece	39.7704N	21.1828E	1157	From 2011-09-05
Metsovo, MET	METSI	Greece	39.8076N	21.3535E	863	
Metsovon	MEV	Greece	39.7850N	21.2289E	1500	
Mets Parni	METK	Armenia	40.8765N	44.1280E	2160	
Mettingen	NE34	Nordrhein-Westfalen,Germany	52.3110N	7.7710E	122	
Mettma DE	METMA	Baden-Wurttemberg,Germany	47.7121N	8.2529E	618	From 2012-03-06
Metula	MTLA	Israel	33.2781N	35.5783E	571	From 2018-04-24
Metzger Ranch, Havre	A18A	Montana,U.S.A.	48.9198N	109.8459W	804	From 2007-11-20 to 2009-09-03
Meulaboh, Aceh	MLSI	Sumatera,Indonesia	4.2668N	96.4040E	58	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mexicali	MBIG	Baja California,Mexico	32.4072N	115.1981W	2	From 2008-03-01
Mexicali	CEA0	Baja California	32.6518N	115.6690W	17	From 2010-11-01
Mexicali	HGM	Baja California	32.6438N	115.4710W	1	
Mexican Hat	T18A	Utah,U.S.A.	37.1364N	109.8741W	1297	From 2007-06-23 to 2009-03-05
Mexico City	TACY	Mexico D.F.	19.4045N	99.1952W	2295	
Mexico City	VRVM	Mexico D.F.	19.4180N	99.1143W	2224	
Mexico City	CUP5	Mexico D.F.	19.3302N	99.1810W	2240	
Mexico City	MEX	Mexico D.F.,Mexico	19.3289N	99.1861W	2280	From 1978-06-01
Mexico City	BSTO	Mexico D.F.	19.4042N	99.2024W	2320	
Meydan	BMDN	Iran	33.6716N	48.8246E	1697	From 2013-09-10
Meyer Farm, Musselshell	E20A	Montana,U.S.A.	46.5038N	108.1301W	954	From 2008-08-09 to 2010-05-30
Meyer Farm, Vandalia	Q44A	Illinois,U.S.A.	38.9032N	89.0170W	164	From 2011-06-07 to 2013-04-15
Meyer Ranch, Chandler	V35A	Oklahoma,U.S.A.	35.7626N	96.8378W	280	From 2010-03-13 to 2012-02-20
Meyiboto, CM02	ACM02	Cameroon	2.6980N	13.2890E	539	
Mezcala	MEIG	Guerrero,Mexico	17.9258N	99.6197W	808	From 2005-03-09
Mezhgor'ye	MEZ	Carpathian Mountains	48.5140N	23.5140E	440	
Mezontepec	IIZ	Mexico:State,Mexico	19.1875N	99.2413W	3430	
Mfriga	MFRI	Tanzania	9.2944S	35.3129E	1604	From 2014-06-30 to 2015-11-04
Mgazini	ZINI	Tanzania	10.4659S	35.3383E	1044	From 2014-07-16 to 2015-11-04
MHIT	MHIT	Flores,Indonesia	8.4500S	119.8900E	123	From 2008-01-01
MHTO	MHTO	Oman	20.9865N	57.9680E	101	
Mi28,Pidlybu	MI28	Ukraine	50.9305N	27.6694E	196	
MI29, Kamyanyy Brid	MI29	Ukraine	50.4180N	27.8500E	234	
MI30,Zelenitsa	MI30	Ukraine	50.7460N	28.1890E	215	
Miami	IMYA	Iran	36.3416N	60.1017E	1684	From 1999-07-01
Miami	MIA	Florida,U.S.A.	25.9167N	80.3000W		From 1945-01-01 to 1956-12-31
Miami Mountain	MMIM	California,U.S.A.	37.4196N	119.7438W	1288	
Miami Mountain, Ahwahnee, CA USA	MMIB	California	37.4196N	119.7438W	1255	From 2020-11-01
Miami Univ. Ecology Research Center	P49A	Ohio,U.S.A.	39.5342N	84.7164W	272	From 2012-06-29
Miandaros Cinnet	MIAN	Turkey	40.8183N	29.1117E	0	From 2009-01-01
Mianeh	MISD	Iran	37.3500N	47.6000E	0	
Miaoli	NMLH	Taiwan region	24.5372N	120.7910E	201	From 2011-01-05
Miaoli City	NML	Taiwan region	24.5650N	120.8260E	45	From 1999-08-04
Mica Creek	MCE	British Columbia,Canada	52.0033N	118.5620W	625	From 1977-06-04 to 1981-08-12
Mica Creek	MCC	British Columbia,Canada	52.0517N	118.5850W	578	
Michaelchurch	MCH1	Wales,United Kingdom	51.9974N	2.9983W	219	From 1978-01-01
Michelle Canyon Maxwell	MCMB1	British Columbia,Canada	52.8217N	123.8190W	1233	From 2007-11-22 to 2008-06-14
Miches	MIDR	Dominican Republic	18.9834N	69.0498W	20	From 2014-06-17
Michie	W46A	Tennessee,U.S.A.	35.1333N	88.3783W	145	From 2012-01-14
Michilla	MICH	Antofagasta,Chile	22.6780S	70.1875W	769	
Michilla	MIC	Antofagasta,Chile	22.7064S	70.2669W	100	
Michnevo	MHV	Moskovskaya Oblast',Russia	54.9595N	37.7664E	150	From 1995-05-01
Michoacan	ZEM	Michoacan,Mexico	18.7926N	102.1116W	200	
Michoacan	BVTM	Michoacan,Mexico	18.8933N	102.2650W		
Michoacan	CBZM	Michoacan,Mexico	18.0150N	102.4050W		
Michoacn de Ocampo	MDOC	Baja California	32.4640N	115.3160W	15	
Micigliano	RM22	Italy	42.4445N	13.0488E	970	From 2009-04-10 to 2009-06-18
Middelburg,Eastern Cape	MBURG	South Africa	31.3910S	25.0471E	1348	From 2021-09-07
Middleborough	L64A	Massachusetts,U.S.A.	41.9359N	70.8391W	17	From 2013-09-12
Middleburg	MR-PA	Pennsylvania,U.S.A.	40.8147N	77.1756W	213	From 1962-10-11 to 1962-10-27
Middleburg	MR-	Pennsylvania,U.S.A.	40.8147N	77.1756W	213	From 1962-10-11 to 1962-10-27
Middlebury	MDV	Vermont,U.S.A.	43.9992N	73.1812W	134	From 1970-03-01
Middlebury College	MCVT	Vermont,U.S.A.	43.9537N	72.9918W	439	
Middle Cape	MMC	Alaska,U.S.A.	57.3333N	154.6350W	340	From 1971-08-01
Middle Mountain	MMNB	California,U.S.A.	35.9565N	120.4960W	385	
Middle Nowhere	ST39	Xizang Zizhiqu,China	33.7637N	88.4001E	5077	From 1998-07-12 to 1999-06-04
Middlesex	V59A	North Carolina,U.S.A.	35.7649N	78.2394W	58	From 2013-03-12
Middlesex	K56A	New York,U.S.A.	42.6981N	77.3244W	575	From 2013-08-18
Middlesmoor	MMY	England,United Kingdom	54.1758N	1.8689W	427	
Middleton Gardens	MGS	South Carolina,U.S.A.	32.8978N	80.1410W	9	From 1976-03-31
Middleton Island	Q23K	Alaska,U.S.A.	59.4296N	146.3499W	46	From 2014-08-16
Middleton Island	MID	Alaska,U.S.A.	59.4278N	146.3390W	37	From 1964-04-10
Middletown	NMTM	California,U.S.A.	38.8057N	122.4460W	422	From 1975-06-26
Midelt	MDT	Morocco	32.8140N	4.6070W	1000	
Midelt array site 01	MD01	Morocco	32.8680N	4.7591W	1434	From 2012-11-26
Midewin, Midewin Nat. Tallgrass Prairie	M44A	Illinois,U.S.A.	41.3882N	88.0432W	207	From 2011-10-21
Midkiff	TMB01	Texas	31.6677N	102.0829W	859	From 2019-03-01
Midland	I28A	South Dakota,U.S.A.	43.9996N	101.1692W	655	From 2009-06-13 to 2011-05-27
Midmork2	IMIM	Iceland	63.6570N	19.8945W	110	From 2017-09-08
Mid-South CC	MCAR	Arkansas,U.S.A.	35.1449N	90.2225W	0	
Midway	251A	Alabama,U.S.A.	32.0929N	85.4090W	139	From 2012-01-24
Midway	MDW	Washington,U.S.A.	46.6132N	119.7610W	330	From 1969-03-01
Midway	MIDW	Midway Islands,U.S.A.	28.2157N	177.3697W	-75	
Midway	MDY	Midway Islands,U.S.A.	28.2067N	177.3330W		From 1966-01-01 to 1970-12-31
Midway Islands	I58US	Midway Islands	28.2097N	177.3814W	4	From 2013-08-01
Midwest	J22A	Wyoming,U.S.A.	43.4126N	106.4785W	1587	From 2008-08-06 to 2010-09-07
Midwestern State University	MSUEL	Texas,U.S.A.	33.8735N	98.5195W	294	From 2004-02-07
Miekihoku	JKN2	Mie,Japan	34.2390N	136.2737E	80	From 2005-03-23
Miemihama	JMMH	Mie,Japan	33.8192N	136.0253E	75	From 2012-11-01
Migdal	MGDL	Israel	32.8403N	35.5072E	-83	From 2017-11-10
Miglionico	MIGL	Italy	40.6044N	16.4410E	440	From 2006-08-07
MIHALICIK	AUMIH	Turkey	39.8679N	31.4832E	1416	From 2010-02-05
Mihama	MHJ	Fukui,Japan	35.5306N	135.9789E	260	
Mihama	JFM	Kyoto,Japan	35.5283N	135.9833E	161	
Mijas	EMIJ	Spain	36.5645N	4.7727W	470	
Mikata	JMT	Hyogo,Japan	35.4433N	134.5350E	270	
Mikawa	MIKN	Aichi,Japan	34.7626N	137.4701E	76	
Mikawa	MKW	Hiroshima,Japan	34.6111N	133.1070E	320	From 1967-09-01
Mikazuki	MZT	Hyogo,Japan	34.9867N	134.4446E	200	
Mikes Peak	CMPM	California,U.S.A.	37.3577N	121.3183W	760	
Miki	JMIK	Hyogo,Japan	34.8070N	135.0538E	160	
Mikrolivado, N012	N012M	Greece	39.9466N	21.2458E	882	
Mikurajimanishikawa	JMKN	Tokyo,Japan	33.8923N	139.5907E	149	
Mila	MILA	New South Wales,Australia	37.0547S	149.1550E	785	From 2001-07-16
Milaca	F36A	Minnesota,U.S.A.	45.8618N	93.5241W	345	From 2010-09-11 to 2012-07-27
Milagra Ridge	MGA	California,U.S.A.	37.6370N	122.4740W	201	From 1971-08-31
Milagra Ridge	JMGM	California,U.S.A.	37.6370N	122.4740W	201	From 1971-08-31
Milagro-Astudillo	MILO	Ecuador	2.2792S	79.5557W	56	From 2012-07-13
Milagro (Transelectric)	AMIL	Ecuador	2.1350S	79.5947W	12	From 2012-05-26
Milan	MILT	Tennessee,U.S.A.	35.8489N	88.7329W	146	From 1985-11-01
Milan	M41A	Illinois,U.S.A.	41.3750N	90.5422W	226	From 2011-07-31
Milan	H62A	New Hampshire,U.S.A.	44.5743N	71.1559W	381	From 2013-09-19
Milan	MIL	Italy	45.4667N	9.1833E	124	
Milan	V21A	New Mexico,U.S.A.	35.8054N	107.6378W	2046	From 2008-02-18 to 2009-11-22
Milan	L49A	Michigan,U.S.A.	42.1088N	83.7672W	230	From 2012-07-20
Milan North Station	KS21	Kansas,U.S.A.	37.2865N	97.6630W	414	From 2015-11-19
Milano	MILN	Italy	45.4803N	9.2321E	125	From 2006-06-01
Milas	MLSB	Turkey	37.2953N	27.7765E	500	From 2003-09-16
Milazzo	MILZ	Sicily,Italy	38.2713N	15.2313E	0	From 1995-01-01
Mildenfurth	MLFH	Germany	50.7901N	12.0809E	212	From 2010-09-16
Mile High Drive	MHD	Utah,U.S.A.	40.6607N	111.8010W	1597	From 1990-10-04
Miler	APR2	Ecuador	0.0767N	78.9676W	804	
Miles City	E22A	Montana,U.S.A.	46.4386N	105.9488W	784	From 2008-10-30 to 2010-08-05
Milestii Mici	MILM	Moldova	46.9186N	28.8127E	64	From 2009-12-22
Mileto	MLE	Italy	38.6000N	16.0500E	360	
Milford	J35A	Iowa,U.S.A.	43.3655N	95.2078W	457	From 2010-07-29 to 2012-05-16
Milford	MLF	Ohio,U.S.A.	39.1374N	84.2774W	238	From 1963-01-01
Milford	Q61A	Delaware,U.S.A.	38.8799N	75.3256W	5	From 2013-05-28
Milford	MIDE	Delaware,U.S.A.	38.8799N	75.3256W	5	From 2016-02-01
Milford North	MNU	Utah,U.S.A.	38.6197N	112.8470W	1664	From 1977-01-01
Milford Reservoir	MLK	Kansas,U.S.A.	39.1073N	96.8933W	386	From 1977-08-15
Milford Sound	MSZ	South Island,New Zealand	44.6733S	167.9264E	55	From 1966-03-03
Milia, N111	N111M	Greece	39.8519N	21.2265E	1291	
Milia, N136	N136M	Greece	40.5828N	23.2096E	404	
Milia, N211	N211M	Greece	39.8490N	21.2232E	1370	
Milimani	MILK	Kenya	0.1140S	34.7510E	1142	From 1997-02-01 to 1998-03-31
Military Camp, Saraba	SEREE	Ethiopia,Ethiopia	12.5134N	37.0282E	2152	From 2014-03-30 to 2017-12-01
Military Pass	LMPM	California,U.S.A.	41.4883N	122.1620W	1865	
Milkovo	MLKS	Kamchatskaya Oblast',Russia	54.7000N	158.6300E	90	From 1962-01-01 to 1993-12-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Milk River, Alberta	MKRVA	Alberta,Canada	49.1430N	111.7755W	961	From 2014-07-31
Milladeo Hill, Quellon	GO07	Chile	43.1142S	73.6644W	179	
Mill City	MILG	California,U.S.A.	37.6213N	118.9870W	2536	From 1981-07-01
Mill Creek	MLL	California,U.S.A.	34.0913N	116.9360W	1513	
Mill Creek, Del Norte Coast Redwoods State Park, CA, USA	MILCA	California	41.7053N	124.0411W	559	From 2020-09-01
Mill Creek, Sonoma County	NMCNC	California,U.S.A.	38.5909N	122.9129W	119	From 1988-03-23
Mille	MILE	Ethiopia	11.4238N	40.7650E	489	
Millendorf	BD03	Nordrhein-Westfalen,Germany	50.9917N	6.5570E	70	From 2001-01-01
Miller	BRSD	South Dakota,U.S.A.	44.4430N	98.9563W	519	From 2008-10-05 to 2010-06-29
Miller	SUSD	South Dakota,U.S.A.	44.4429N	98.9556W	520	From 2010-07-24
Miller Mountain	MILR	Nevada,U.S.A.	38.0247N	118.1868W	2030	
Miller Ranch	MT3	Texas,U.S.A.	30.5419N	104.6570W	1481	From 1977-06-01 to 2003-01-28
Miller Ranch, Amidon	E25A	North Dakota,U.S.A.	46.5009N	103.4013W	885	From 2009-06-11 to 2011-06-18
Millersview	332A	Texas,U.S.A.	31.3829N	99.7423W	513	From 2009-03-06 to 2011-01-25
Millersville	MVL	Pennsylvania,U.S.A.	39.9992N	76.3506W	91	
Millerton Lake Dam, Friant	T06C	California,U.S.A.	37.0069N	119.7089W	216	From 2004-12-06 to 2007-12-06
Milliken Reservoir	MLKN	California	38.3828N	122.2381W	356	From 2022-08-24
Millington	MLNT	Tennessee,U.S.A.	35.3340N	89.9300W	100	
Million Dollar Falls	P30M	Yukon Territory,Canada	60.1218N	136.9598W	883	From 2016-04-30
Millom	LMI	England,United Kingdom	54.2206N	3.3070W	140	From 1989-01-01
Mills College	CMCM	California,U.S.A.	37.7813N	122.1760W	90	From 1971-07-20
Millsfield	MFTN	Tennessee,U.S.A.	36.1610N	89.3930W	113	
Milluni	REDDE	Bolivia	16.2877S	68.1308W	4877	From 2020-10-23
Milner Canyon	MLNR	California,U.S.A.	37.5937N	118.3437W	1780	
Milo	MIM	Maine,U.S.A.	45.2436N	69.0403W	140	From 1975-07-01 to 2004-10-14
Milos	MILOS	Greece	36.7429N	24.4282E	130	
Milos	MHL	Greece	36.6828N	24.3958E	400	
Milroy	P48A	Indiana,U.S.A.	39.4605N	85.4258W	300	From 2012-06-25
Milroy	N57A	Pennsylvania,U.S.A.	40.7556N	77.5509W	306	From 2013-05-13
Miltenberg	MILB	Germany	49.8285N	9.2926E	369	From 2015-03-17
Milton-Freewater	MFW	Oregon,U.S.A.	45.9030N	118.4060W	384	From 1971-10-01
Milwaukee	MLW	Wisconsin,U.S.A.	43.0333N	87.9167W	194	From 1909-01-01 to 1957-12-31
Mimaanabuki	JMAF	Tokushima,Japan	34.0433N	134.1517E	220	From 2012-07-01
Mimika Baru, Papua	MIPI	Indonesia	4.5301S	136.8935E	30	From 2019-01-01
Mina	MN-	Nevada,U.S.A.	38.4361N	118.1481W	1524	
Mina	MNV	Nevada,U.S.A.	38.4322N	118.1540W	1507	From 1970-05-26
Mina	MNA	Nevada,U.S.A.	38.4328N	118.1570W	1525	
Mina	R08A	Nevada,U.S.A.	38.3489N	118.1064W	1419	From 2006-03-03 to 2008-03-24
Mina	MN-NV	Nevada,U.S.A.	38.4361N	118.1481W	1524	
Mina	MINR	Krasnoyarskiy Kray,Russia	54.9000N	94.2000E	510	
Mina gua Limpa, MG, Brazil	AGLP	Minas Gerais	19.9381S	43.2278W	1079	From 2017-06-29
Mina Array Beam Reference Point	NVAR	Nevada,U.S.A.	38.4296N	118.3036W	2041	
Mina Array Site 1	NV01	Nevada,U.S.A.	38.4296N	118.3035W	2029	
Mina Array Site 10	NV10	Nevada,U.S.A.	38.4488N	118.3194W	2133	
Mina Array Site 2	NV02	Nevada,U.S.A.	38.4374N	118.3049W	2094	
Mina Array Site 3	NV03	Nevada,U.S.A.	38.4279N	118.2937W	1978	
Mina Array Site 32	NV32	Nevada,U.S.A.	38.3342N	118.3003W	1836	
Mina Array Site 33	NV33	Nevada,U.S.A.	38.4858N	118.4238W	1946	
Mina Array Site 4	NV04	Nevada,U.S.A.	38.4232N	118.3068W	1984	
Mina Array Site 5	NV05	Nevada,U.S.A.	38.4464N	118.2913W	2186	
Mina Array Site 6	NV06	Nevada,U.S.A.	38.4224N	118.2744W	1936	
Mina Array Site 7	NV07	Nevada,U.S.A.	38.4105N	118.2949W	1849	
Mina Array Site 8	NV08	Nevada,U.S.A.	38.4041N	118.3184W	1798	
Mina Array Site 9	NV09	Nevada,U.S.A.	38.4354N	118.3352W	1918	
Mina Array Sites 11 and 31	NV11	Nevada,U.S.A.	38.4320N	118.1554W	1509	
Minab	MNB1	Iran	27.1061N	57.0998E	29	From 2013-05-15
Minabe	JWM	Wakayama,Japan	33.8492N	135.3547E	170	
Mina Casimiro Domeyco	AC06	Atacama	27.3573S	70.3544W	425	From 2015-08-27
Mina Concepcion	EMIN	Spain	37.7675N	6.6724W	240	
Mina de Fazendo, MG	FZND	Minas Gerais	20.1441S	43.4226W	914	From 2017-06-22
Mina do Feijao, MG, Brazil	FJAO	Minas Gerais	20.0998S	44.1244W	1335	From 2017-06-19
Minadze	MINA	Georgia	41.5979N	43.0117E	1544	From 2021-09-24
Mina Gongo Soco 1, MG - Brazil	GNG1	Minas Gerais	19.9671S	43.6099W	956	From 2017-06-23
Mina Gongo Soco 2, MG - Brazil	GNG2	Minas Gerais	19.9743S	43.6027W	888	From 2017-06-23
Mina Gongo Soco 3, MG - Brazil	GNG3	Minas Gerais	19.9721S	43.5942W	965	From 2017-06-23
Mina Gongo Soco 4	GNG4	Minas Gerais	19.9724S	43.6034W	877	From 2019-11-06
Mina Gongo Soco 6	GNG6	Minas Gerais	19.9698S	43.5929W	970	From 2019-11-06
Mina Guanaco	GO02	Tarapaca,Chile	25.1626S	69.5904W	2556	
Minamiashigara	ASG	Kanagawa,Japan	35.3138N	139.0279E	386	
Minamidaito 2	JMZ	Ryukyu Islands,Japan	25.8198N	131.2237E	50	
Minamidaito jima	MVI	Ryukyu Islands,Japan	25.8283N	131.2350E	14	From 1974-02-01
Minami-Gairin	SRMH	Iburi,Japan	42.5312N	140.8330E	476	
Minamiizu	MIZN	Shizuoka,Japan	34.6889N	138.8424E	105	
Minamisoumatochikubo	JMST	Fukushima,Japan	37.7246N	140.8874E	53	From 2013-07-01
Minamitane	JMTN	Kagoshima,Japan	30.3973N	130.9005E	186	From 2012-07-01
Minami-tori-shima	MCSJ	Marcus Island,Japan	24.2900N	153.9780E	10	
Minaret Summit	MINS	California,U.S.A.	37.6538N	119.0609W	2796	
Mina Salobo	SLBO	Para	5.8306S	50.5384W	170	From 2019-03-30
Mina Salobo (Macaco)	SAL2	Para	5.7839S	50.5106W	362	From 2020-02-06
Mina Salobo (Paiol)	SAL1	Para	5.7723S	50.5681W	205	From 2019-03-26
Minas do Lousal	PLOUS	Portugal	38.0315N	8.4212W	45	From 2020-06-16
Mina Serra Leste	SRLE	Para	5.9564S	49.6125W	594	From 2019-05-21
Mina Serra Norte	SRN1	Para	6.0347S	50.2871W	689	From 2019-05-22
Mina Serra Sul	SRSU	Para	6.3866S	50.3591W	710	From 2019-05-14
Mina Sossego	CAJU	Para	6.4423S	50.0519W	230	From 2019-05-15
Minatitlan	MIHL	Veracruz	17.9888N	94.5440W	25	
Minazif	UOSS	Fujairah,United Arab Emirates	24.9453N	56.2042E	283	
Mineo	MNE	Sicily,Italy	37.2500N	14.7333E	510	
Mineo	HMNO	Sicily,Italy	37.3180N	14.6000E	530	From 1994-05-01
Mineoka	MNJ	Chiba,Japan	35.1019N	139.9908E	100	
Minera del Fierro	MFCH	Maule,Chile	35.0244S	70.4411W	1920	
Mineral	R58B	Virginia,U.S.A.	37.9636N	77.8787W	116	From 2012-08-02
Mineral	MIN	California,U.S.A.	40.3460N	121.6066W	1470	From 1938-01-01 to 2000-06-29
Minerbio Fiu	FIU	Italy	44.6395N	11.4917E	12	
Minerbio--Passere	PASE	Italy	44.6062N	11.4567E	12	
Minerbio--Torre	TORE	Italy	44.6072N	11.5255E	16	
Miner Creek	I28M	Yukon Territories,Canada	65.4483N	139.9355W	1188	From 2017-07-12
Miners Draw (BLM), Jensen	O19A	Utah,U.S.A.	40.2982N	109.1236W	1649	From 2007-08-20 to 2009-11-11
Miners Mountain	MMU	Utah,U.S.A.	38.1985N	111.2940W	2387	From 1980-10-01
Minervino Murge	MRVN	Italy	41.0609N	16.1958E	610	From 2007-04-24
Mines Road	CMNM	California,U.S.A.	37.6275N	121.7080W	245	From 1979-11-29
Mines Road	CL2	California,U.S.A.	37.6275N	121.7080W	245	From 1979-11-29
Mines Road	MNR	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	CMRM	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	CB9	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Minette Bay Lodge, Kitimat, BC, Canada	MBLB	British Columbia,Canada	54.0350N	128.6230W	0	From 2015-11-01
Mineville/Witherbee	MIV	New York,U.S.A.	44.0747N	73.5340W	317	From 1985-06-01
Mingacevir	MGC	Azerbaijan	40.7700N	47.0600E	30	From 1968-01-01
Mingechevir, Azerbaijan	MNGR	Azerbaijan	40.7730N	47.0850E	100	From 2010-01-14
Mingjian	WNT	Taiwan region	23.8780N	120.6840E	110	
Mingtut	MINT	Uzbekistan	40.4658N	70.9748E	473	
Minicoy	MNCI	Laccadive Islands,India	8.2815N	73.0598E	2	
Minicoy	MNCY	Laccadive Islands,India	8.2667N	73.0333E	0	
Ministerio de Agricultura y Ganaderia, Santa Tecla	MAGS	El Salvador	13.6842N	89.2865W	975	
Minitrack	MIK	Alaska,U.S.A.	64.8723N	147.8280W	160	From 1970-05-01 to 1975-03-31
Mink Peak	MKMT	Montana,U.S.A.	47.1032N	115.1138W	2088	
Minna	MINNA	Nigeria	9.5117N	6.4402E	203	
Minneapolis	MNN	Minnesota,U.S.A.	44.9144N	93.1900W	217	From 1964-01-01 to 1967-12-31
Minneapolis	MFM	Minnesota,U.S.A.	44.9141N	93.1930W	226	
Minneapolis	MNM	Minnesota,U.S.A.	44.9740N	93.2381W	204	From 1974-12-01 to 1976-12-31
Minoodasht	IMIN	Iran	37.1422N	55.2336E	180	From 2000-08-01
Minoodasht	IMND	Iran	37.2575N	55.4069E	180	From 1991-08-01
Minshiung	CHN2	Taiwan region	23.5320N	120.4750E	45	
Minsk	MNK	Belarus	54.5021N	27.8833E	196	
Minto, Yukon	M30M	Yukon Territory,Canada	62.5763N	136.7935W	782	From 2015-10-18
Minto, Yukon-Koyukuk	I23K	Alaska,U.S.A.	65.1479N	149.3603W	149	From 2014-10-03
Minucciano (LU)	T0912	Italy	44.1685N	10.2095E	686	From 2013-06-21 to 2013-11-11
Minye Minye	MNMCX	Tarapaca,Chile	19.1310S	69.5955W	2304	From 2012-01-01
Minye Minye	MNMC	Tarapaca,Chile	19.1311S	69.5955W	2304	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mio	H47A	Michigan,U.S.A.	44.5994N	84.2062W	356	From 2012-11-08
Miomork	IMID	Iceland	63.6580N	19.8860W	132	From 1989-12-21
Mirabel	MRBQ	Quebec,Canada	45.7972N	73.9852W	97	From 2019-05-11
MIRABELLA ECLANO	MIR27	Italy	41.0437N	14.3933E	364	From 2019-07-08
Miracle	EMIR	Spain	41.9144N	1.5258E	841	
Mirador 2 Volcan Masaya	RB213	Managua,Nicaragua	11.9828N	86.1694W	539	From 2018-07-23
Miradouro	MIRA	Azores,Portugal	37.7855N	25.2787W	702	From 1999-04-27
Miraflores	CLIM	Colombia	0.9413N	77.8867W	4232	
Miraflores	MFS3	Panama	9.0008N	79.5937W	6	
Miraflores	MRF	Peru	12.1316S	77.0249W		
Mira Loma	MLSC	California,U.S.A.	34.0046N	117.5616W	230	
Miramar	MIRN	Nicaragua	12.4400N	86.7117W	280	
Miramar, Colon	MIRA3	Panama	9.5760N	79.3300W	5	From 2010-01-01
Miramar, N1	TUN1	Nicaragua	12.1552N	86.7499W	23	
Miramichi	MINB	New Brunswick,Canada	46.9700N	66.5300W	0	From 1982-06-01
Miranda	MIDA	Italy	41.6419N	14.2540E	950	From 2004-07-07
Mirandola	SGIA	Italy	44.8592N	11.0358E	20	
Mirandola MO	MIRAN	Italy	44.8755N	11.0628E	17	
Mirandola (MO)	MIR03	Italy	44.9384N	11.1045E	10	From 2012-05-23
Mirandola (MO)	MIR02	Italy	44.8870N	11.0732E	18	From 2012-05-22
MIRINA LIMNOU	LMN1	Greece	39.8750N	25.0588E	18	From 2013-02-01
Mirnyy	MIR	Queen Mary Land	66.5514S	93.0167E	34	
Mirrayikh	MYKS	Saudi Arabia	21.5545N	39.3323E		
Mirror Lake Plateau	YMP	Wyoming,U.S.A.	44.7402N	110.1560W	2774	
MIRYANG	KSMIY	Republic of Korea	35.4864N	128.7412E	13	From 2000-03-04
Miryangsannae	MSNA0	Republic of Korea	35.5884N	128.9538E	237	From 2018-03-09
Miryang-si	MIYA	Republic of Korea	35.4917N	128.7445E	50	From 2011-10-05
Misaki	MSK	Kanagawa,Japan	35.1500N	139.6170E		
Misakicho	RUSJ	Hokkaido,Japan	44.1043N	145.2477E	70	
Misakubo	MSKJ	Shizuoka,Japan	35.1934N	137.9390E	754	From 1979-04-01
Misere	A54	Quebec,Canada	47.4567N	70.4125W	381	From 1977-08-30
Misericordia	VMS	Luzon,Philippines	13.2500N	123.7550E		
Misgav Am	MSAM	Israel	33.2469N	35.5487E	834	From 2018-02-08
Mishima	MIS	Shizuoka,Japan	35.1117N	138.9300E	22	
Mishlifen	MIF	Morocco	33.4090N	5.2290W	2070	
Misima Island	MISM	Papua New Guinea	10.6854S	152.8401E	17	From 2013-05-10
Misoa	MISV	Venezuela	9.9730N	70.9256W	768	
Misono	MSN	Hidaka,Japan	42.4232N	142.5414E	100	From 1976-07-01
Misrath	LMSR	Libya	32.3125N	15.0083E	114	
Mission Creek	MSMT	Montana,U.S.A.	45.6305N	110.3537W	1926	
Mission Ridge	H28A	South Dakota,U.S.A.	44.6751N	101.0206W	642	From 2009-06-12 to 2011-05-07
Mission San Jose	MSJ	California,U.S.A.	37.5202N	121.8733W	479	From 1972-07-01
Mission San Jose	CMJM	California,U.S.A.	37.5202N	121.8733W	479	From 1972-07-01
Mission Trails Regional Park	MTRP	California	32.8203N	117.0567W	200	From 2002-01-05
Missoula	MSO	Montana,U.S.A.	46.8292N	113.9406W	1264	From 1973-11-01
Misterbianco CT	FX06	Italy	37.5223N	15.0037E	118	From 2021-12-22 to 2023-02-02
Miston	MIST	Tennessee,U.S.A.	36.1707N	89.5023W	80	
Mistretta	ME01	Italy	37.9329N	14.3611E	944	From 2007-10-18 to 2009-02-03
Mitaka	MTK	Tokyo,Japan	35.6667N	139.5000E	57	
Mitchell	MC-SD	South Dakota,U.S.A.	43.6544N	97.9194W	366	From 1962-05-09 to 1962-06-28
Mitchell	MH-	Nebraska,U.S.A.	41.8889N	103.8917W	1311	From 1962-10-15 to 1962-10-27
Mitchell	MC-	South Dakota,U.S.A.	43.6544N	97.9194W	366	From 1962-05-09 to 1962-06-28
Mitchell	MH-NB	Nebraska,U.S.A.	41.8889N	103.8917W	1311	From 1962-10-15 to 1962-10-27
Mitchell Dam	HG1B	British Columbia,Canada	52.9345N	132.1307W	5	From 2012-11-14
Mitchell Dam	HDG10	British Columbia,Canada	52.9343N	132.1304W	5	From 2012-11-16
Mitchell Field	MFA	Alaska,U.S.A.	51.9350N	176.5920W		From 1949-07-01 to 1952-12-31
Mitchell Peak, Miramonte	HELL	California,U.S.A.	36.6801N	119.0228W	1145	From 2005-02-11 to 2007-10-14
Mitchelstown Cave, Co. Tipperary, Ireland	IMIC	Ireland	52.3033N	8.1072W	70	From 2022-05-24
Mitilini, Lesvos	EAG3	Greece	39.0850N	26.5693E	85	
Mito	MIT	Ibaraki,Japan	36.3783N	140.4720E	29	
Mitogawa	MTGE	Wakayama,Japan	33.5539N	135.6874E	60	
Mitoyo	MITH	Iburi,Japan	42.5728N	140.7804E	325	
Mitsuishi	MUJ	Hidaka,Japan	42.2831N	142.5856E	60	
Mitsune	JHJ2	Bonin Islands,Japan	33.1117N	139.8167E	70	
Mitta Mitta	MITM	Victoria,Australia	36.7317S	147.6587E	470	
Mittler Illalp, ILLGRABEN, VS	ILL14	Switzerland	46.2646N	7.6275E	2195	From 2018-05-15
Mi Wuk Village	MMWM	California,U.S.A.	38.0638N	120.1810W	1411	From 1976-07-12
Mix Canyon Road	NMXM	California,U.S.A.	38.4113N	122.0570W	177	From 1971-06-12
Mix Canyon Road	MIX	California,U.S.A.	38.4113N	122.0570W	177	From 1971-06-12
Mixco	GUMI	Guatemala	14.6317N	90.6132W	1780	From 2016-01-01
Miyake jima	MKJ	Bonin Islands,Japan	36.1100N	139.5283E	170	From 1972-02-01
Miyakejima3	JMY	Bonin Islands,Japan	34.0715N	139.5127E	470	
Miyake Tsubota	JMYK	Tokyo	34.0605N	139.5477E	40	From 2016-09-28
Miyako	MIY	Iwate,Japan	39.6450N	141.9680E	46	
Miyako	MKO	Iwate,Japan	39.5900N	141.9820E	125	From 1968-09-01
Miyako jima 2	JMJ	Ryukyu Islands,Japan	24.8147N	125.2935E	43	
Miyako jima3	JMJ2	Ryukyu Islands,Japan	24.7408N	125.3277E	46	From 2013-05-01
Miyakonagasawa	MIYJ	Iwate,Japan	39.5767N	141.8197E	200	From 1990-04-23
Miyako zima	MYK	Ryukyu Islands,Japan	24.7917N	125.2783E	41	
Miyama	JGM	Gifu,Japan	35.6993N	136.7182E	495	
Miyazaki	MYZ	Miyazaki,Japan	31.9200N	131.4233E	7	
Miyazaki 2	MYZ2	Miyazaki,Japan	31.8967N	131.4120E	12	
Miyazu	MYD	Kyoto,Japan	35.5333N	135.2000E		
Miyun	MIY1	Beijing	40.4700N	116.8300E	107	From 2000-01-01 to 2999-01-01
Mizel	MZLS	Saudi Arabia	24.0275N	45.2071E	880	
Mizpe Shalem	MZS	Israel	31.5693N	35.4000E	15	From 2018-06-12
Mizumiiro	MZI	Shizuoka,Japan	35.0440N	138.2936E	400	
Mizusawa	MIW	Iwate,Japan	39.1343N	141.1360E	63	From 1902-01-01
Mizusawa	MIZ	Iwate,Japan	39.1343N	141.1360E	63	From 1902-01-01
Mjoaskard	IMJO	Iceland	63.9329N	19.6724W	704	From 2011-12-15
Mkili	MKIL	Tanzania	10.8807S	34.6813E	490	From 2014-07-24 to 2015-11-04
Mlare	SCHM	Malawi	10.1754S	34.0324E	529	From 2014-07-20 to 2015-11-04
Mlowe	MLOW	Malawi	10.7827S	34.2072E	513	From 2014-07-23 to 2015-11-04
MMAL	MMAL	Swaziland	26.0489S	31.2042E	909	
M & M Farms, Shelby	B16A	Montana,U.S.A.	48.4128N	111.7073W	1038	From 2007-09-26 to 2009-08-12
MNIT	MNIT	Israel	32.4630N	35.0420E	118	From 1988-05-07 to 1990-07-31
Mnogovershinnie	MNVS	Khabarovskiy Kray,Russia	53.8460N	139.8420E	350	
Moa	MOAC	Cuba	20.6600N	74.9600W		
Moab	MBUT	Utah,U.S.A.	38.5334N	109.5099W	1376	From 2006-07-27
Moab Khotsong	MOAB	Transvaal,South Africa	26.9870S	26.7990E	370	From 2008-05-13
Moama Anglican Grammar School	AUMAG	New South Wales,Australia	36.1000S	144.7500E	127	From 2013-05-13
Moapa	T12A	Nevada,U.S.A.	36.7256N	114.7147W	538	From 2007-01-24 to 2008-10-11
Moar Alm	RMOA	Bayern,Germany	47.7617N	12.8645E	815	From 2001-08-24
Moawhango	MOVZ	North Island,New Zealand	39.4067S	175.7529E	874	From 2004-06-01
Moca	MCP	Puerto Rico	18.4190N	67.1107W	250	From 1975-11-14 to 1999-08-25
Moca	SRO2	Slovakia	47.7627N	18.3940E	109	From 2004-09-25
Moca	MFP	Fernando Poo,Equatorial Guinea	3.3418N	8.6609E	1338	From 1963-10-01
Moca	MCAB	Puerto Rico	18.4100N	67.0800W	303	
Moca	MOCA	Puerto Rico	18.4143N	67.0775W		
Moc Chau	MCVV	Vietnam	20.8000N	104.6500E	800	From 2005-03-15
Moccone	MC32	Italy	39.3440N	16.4269E	1300	From 2014-05-14 to 2019-01-31
Mochara	MOCB	Bolivia	21.2505S	65.6380W	3580	From 1993-06-01
Mocine Avenue Hayward	C068	California,U.S.A.	37.6446N	122.0740W	13	From 2013-02-28
Mocksville	V56A	North Carolina,U.S.A.	35.8097N	80.4963W	237	From 2013-03-24
Mocoron	MOCN	Nicaragua	12.7817N	87.0400W		
Model	MOTN	Tennessee,U.S.A.	36.6180N	87.9867W	177	
Modelwitz	MODW	Thuringen,Germany	50.9426N	12.4682E	240	From 2009-09-01
Modena	MODE	Italy	44.6297N	10.9492E	41	From 2007-10-18
Modica	HMDC	Sicily,Italy	36.9580N	14.7820E	540	From 1994-05-01
Modigliana	MDGA	Italy	44.1592N	11.7885E	187	
Modoc Plateau	MOD	California,U.S.A.	41.9025N	120.3029W	1554	From 1999-10-16
Modra-Piesok	MODS	Slovakia	48.3736N	17.2774E	520	
MODUGNO	MODG	Italy	41.1087N	16.7663E	700	From 2019-11-06
Moessingen	MSG	Baden-Wurttemberg,Germany	48.3992N	9.0353E	475	From 1971-01-01 to 2020-02-01
Moessingen, Sulzgasse	MSGN	Baden-Wurttemberg	48.4082N	9.0581E	462	From 2015-09-01
Moffat	R23A	Colorado,U.S.A.	38.1907N	105.8264W	2547	From 2008-11-05 to 2010-06-17
Moffat, S09	SCR09	Colorado	37.9949N	105.8965W	2312	
Moffit Pass	N17A	Utah,U.S.A.	40.9425N	110.8335W	2500	From 2007-07-11 to 2009-04-22
Moffitt Ranch	GMOM	California,U.S.A.	38.7102N	123.1430W	802	From 1975-05-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mogadiscio	MOG	Somalia	2.0333N	45.3500E		
Mogan Creek Rd (Rte 129)	ID04	Idaho,U.S.A.	44.8456N	114.2429W	2500	From 2014-06-25 to 2014-09-24
Moghan	IMOG	Iran	36.1082N	59.3393E	2577	From 1999-07-01
Moghavemat	SMGT	Iran	30.7811N	48.2626E	4	From 2010-08-11
Moglia (MN)	T0827	Italy	44.9377N	10.9319E	10	From 2012-05-30 to 2012-09-19
MOGNA	AMOG	San Juan,Argentina	30.9388S	68.4928W	830	From 1996-09-25
Mogollon	ML-NM	New Mexico,U.S.A.	33.4147N	108.8364W	1646	From 1961-12-15 to 1962-02-16
Mogollon	ML-	New Mexico,U.S.A.	33.4147N	108.8364W	1646	From 1961-12-15 to 1962-02-16
Mogosoaia	PMGR	Romania	44.5275N	25.9939E	141	From 2006-11-23
Mogosoaia	MOGR	Romania	44.5649N	25.9417E	144	From 2003-10-26
Mogote Corralitos	AMLC	San Juan,Argentina	31.3088S	67.9248W	3100	
Mohaka	MOH	North Island,New Zealand	39.1307S	177.1480E	245	From 1987-03-19 to 1997-05-25
Mohangiri	MHNG	Orissa	20.3380N	83.6870E	224	From 2017-09-07
Mohawk Valley, Roll	113A	Arizona,U.S.A.	32.7683N	113.7667W	118	From 2007-05-08 to 2010-05-28
Mohican School	MOSO	Ohio,U.S.A.	40.6115N	82.3827W	370	
Mohonk Preserve	NPNY	New York,U.S.A.	41.7546N	74.1435W	216	From 2007-09-07
Moikau	MOW	North Island,New Zealand	41.4200S	175.2522E	430	From 1978-01-31 to 2003-09-13
Moikau Station	MSWZ	North Island,New Zealand	41.4158S	175.2495E	403	From 2003-08-28
Moi Rana	MOR8	Norway	66.1713N	14.4411E	445	From 1993-08-01
Moi Rana	MOR2	Norway	66.2366N	14.7741E		From 1989-01-01 to 1989-12-12
Moi Rana	MOR1	Norway	66.2374N	14.7721E	650	From 1989-01-01 to 1989-12-12
Moi Rana	MOR3	Norway	66.2357N	14.7724E		
Moi Rana	MOR4	Norway	66.2367N	14.7668E		From 1989-01-01 to 1989-12-12
Moi Rana	MOR5	Norway	66.2377N	14.7664E		
Moi Rana	MOR7	Norway	66.2850N	14.7350E	435	From 1990-05-23 to 1993-08-31
Moi Rana	MOR6	Norway	66.2370N	14.7670E	650	From 1986-02-01 to 1989-12-12
Mojave River Dam	MRD	California,U.S.A.	34.6757N	117.2410W	969	
Mojotorillo	BS03	Bolivia	19.3170S	64.3800W	3664	From 2011-09-09
Moka	PSMK	Trinidad and Tobago	10.7250N	61.4967W	177	From 2022-08-25
Mokapu	MOK	Hawaii,U.S.A.	21.4565N	157.7370W	90	From 1965-04-01 to 1999-08-25
MOKOCHONG	MOKO	Nagaland,India	26.3210N	94.5156E	1353	From 2011-05-01
Mokoisa, Kandavu	KDVU	Fiji	19.0992S	178.1629E	27	
Mokollar	IMKO	Iceland	64.9778N	16.3391W	660	From 2005-11-01
Mokpo	KSMOP	Republic of Korea	34.8083N	126.3766E	37	From 2000-02-11
Mokpo	KSMOK	Republic of Korea	34.7656N	126.7378E	140	From 2008-01-01
Mokre	PL30A	Poland	50.1442N	17.6944E	370	From 2020-01-23
Mokuaweoweo	MWH	North America,U.S.A.	19.4850N	155.5970W	4104	
Mol	BMOL	Belgium	51.2144N	5.0861E	-198	From 2008-06-03
Molcaxac	MOPM	Puebla,Mexico	18.7333N	97.9167W	1840	
Molde	MOL	Norway	62.5700N	7.5480E	98	From 1987-02-01
Moldovita	MDVR	Romania	44.7815N	21.7128E	720	From 2010-11-09
Moledet	MLDT	Israel	32.5884N	35.4380E	90	From 2018-08-01
Mle Saint-Nicolas	MSNH	Haiti	19.8226N	73.3620W	23	From 2022-11-25
Mole-Saint-Nicolas, Nord-Ouest	NMSNI	Haiti	19.7994N	73.3833W	2	From 2019-01-23
Molesme	MOLES	Bourgogne	47.9307N	4.3919E	271	From 2021-11-29
Molesworth	MLWM	Victoria,Australia	37.1368S	145.5105E	280	
Molesworth Station	MOLW	South Island,New Zealand	42.0880S	173.2574E	888	From 2002-10-12
Moliterno	MOLE	Italy	40.2514N	15.8296E	1130	
Molkenrain	MOF	Alsace,France	47.8517N	7.1332E	1085	From 1982-01-01
Mollaro	DMOL	Italy	46.2932N	11.0630E	335	From 2016-10-04
Mollejon	MOLL	Venezuela	7.7350N	71.6289W	900	From 1984-01-01
Molln	MOA	Austria	47.8495N	14.2659E	572	From 1996-01-01
Molteno,Eastern Cape	MLTN	South Africa	31.5000S	26.4446E	1658	From 2021-12-03
MOM3	MOM3	Nicaragua	12.5110N	86.5178W	127	From 2001-01-01
Moma	MOMR	Sakha,Russia	66.4667N	143.2167E	192	
Mombacho	MOBN	Nicaragua	11.8317N	85.9777W	1000	
Mombaroccio	MBRC	Italy	43.7917N	12.8584E	306	From 2022-11-10
Mombaroccio (PU)	AD03	Italy	43.7910N	12.8474E	377	From 2010-03-29
Momias	MOMI	Spain	36.3301N	5.7200W	370	
Momote	MOM	Admiralty Islands,Papua New Guinea	2.0417S	147.4020E	10	From 1969-10-01
Momotombo	MOMJ	Nicaragua	12.4083N	86.5400W	500	
Momotombo	MOMN	Nicaragua	12.4083N	86.5400W	500	
Mompeo	MMP1	Italy	42.2492N	12.7483E	471	From 2008-11-12
Mompiche	AMOM	Ecuador	0.4923N	80.0465W	27	From 2011-04-07
Mompiche - El Palmar	MOMP	Ecuador	0.4978N	80.0114W	44	From 2018-07-19
Monaco	MON	Monaco	43.7306N	7.4250E	52	From 2006-12-13
Monahans	MNHN	Texas,U.S.A.	31.3402N	102.7614W	750	From 2017-08-02
Mona Island, PR	IMPR	Puerto Rico	18.0770N	67.9311W	9	From 2009-07-15
Monand	IMON	Iran	33.1922N	59.6667E	2150	From 2005-12-01
Monarch Peak	MOP	California,U.S.A.	36.2157N	120.7974W	754	From 1970-08-14 to 2011-07-22
Monarch Peak	PMPM	California,U.S.A.	36.2157N	120.7974W	754	From 1970-08-14 to 2011-07-22
Monarch Peak	PMPB	California,U.S.A.	36.2159N	120.8013W	802	
Monasavu	MSV	Fiji	17.7578S	178.0544E	626	From 1983-02-01
Monasteraki	MOKI	Greece	38.4034N	21.9252E	-235	From 2012-10-26
Monastery Panagia Xenia, Sourpi, Greece	GR22	Greece	39.0895N	22.8264E	333	From 2022-10-07
Monastery St. Joachim Osogovski	KPJ	North Macedonia,North Macedonia	42.2092N	22.3617E	700	From 1995-01-01
Monastry St. Andrei	MSAB	Romania	44.0910N	27.8256E	106	From 2000-10-24
Monatshausen	BE1	Bayern	47.9108N	11.2213E	746	From 2011-05-13
Moncalieri	MNC	Italy	45.0000N	7.7000E	238	
Monchique	PMONC	Portugal	37.3127N	8.5450W	559	From 2020-11-05
Moncks Corner	MKC	South Carolina,U.S.A.	33.1900N	80.0400W	25	From 1973-03-13 to 1973-10-01
Moncorvo	MVO	Portugal	41.1644N	7.0289W	860	From 1980-08-01
Moncucco Torinese	MONC	Italy	45.0739N	7.9271E	480	From 2005-01-13
Mondaino (RN)	AD02	Italy	43.8471N	12.6687E	355	From 2010-03-30
Mondolfo	MODF	Italy	43.7645N	13.1347E	12	From 2022-11-09
Mondonedo	EMON	Spain	43.4361N	7.3298W	615	From 1988-07-01
Mondragone	MODR	Italy	41.1459N	13.8779E	345	From 2007-06-19
Mondy	MOY	Buryatiya,Russia	51.6667N	100.9931E	1303	
Monemvasia	MNVA	Greece	36.6871N	23.0374E	7	From 2010-05-13
Monesi	MONE	Italy	44.0795N	7.7550E	1320	From 1991-06-01 to 2009-09-30
Monestir Poblet	POBL	Spain	41.3793N	1.0847E	515	
Monetta	MTT	South Carolina,U.S.A.	33.7503N	81.6400W	182	From 1976-08-09
Mongiana	MUGA	Italy	38.5174N	16.3223E	970	From 2018-02-28
Mongiuffi-Melia	MMME	Sicily,Italy	37.9350N	15.2540E	905	From 1993-12-01
Mongolia, Bayanulgii	BANB	Mongolia	49.0990N	89.8427E	2184	From 2014-04-18
Mongu	MONG	Zambia	15.1500S	23.0900E	1057	
Moni Agarathou, Crete, Greece	CRE1	Greece	35.2267N	25.2498E	409	From 2021-09-28
Moni Apezanon	APEZ	Crete,Greece	34.9777N	24.8859E	435	
Monida	MOMT	Montana,U.S.A.	44.5933N	112.3940W	2220	
Moni Epanosifi, Crete, Greece	CRE2	Greece	35.1457N	25.1372E	467	From 2021-09-28
Moni Osiou Meletiou,Attica,Greece	PARN2	Greece	38.1923N	23.4579E	548	
Moni Osiou Serafim, Boeotia	PRDM	Greece	38.2804N	22.8470E	600	From 2023-09-30
Moni Theologou Mazaraki, Thiva, Greece	THI2	Greece	38.3727N	23.2110E	278	From 2021-07-11
Monjas	MJAS	Ecuador	0.2520S	78.4980W	2800	
Monjas	JAMO	Guatemala	14.4943N	89.8793W	964	From 2015-06-02
Monlezun-d-Armagnac	MLZA	Midi-Pyrenees	43.8283N	0.1273W	76	From 2019-06-19
Monmouth	MONM	Wales,United Kingdom	51.8396N	2.8054W	145	From 2009-07-14
Monmouth DOGAMI SMO	MONO	Oregon,U.S.A.	44.8537N	123.2414W	60	From 2008-02-12
Monnetier-Mornex	OG02	Rhone-Alpes,France	46.1542N	6.2208E	620	From 1989-11-10
Monobe	JMN	Kochi,Japan	33.7282N	133.8790E	550	
Mono Craters	MCCR	California,U.S.A.	37.9194N	119.0253W	2255	
Mono Craters	MCRR	California,U.S.A.	37.8872N	118.9937W	2268	
Mono Lake	ML1	California,U.S.A.	37.8806N	118.8494W	2512	From 1966-08-22 to 1966-08-26
Mono Lake	ML4CL	California,U.S.A.	38.3058N	119.5536W	2195	From 1966-08-23 to 1966-09-09
Mono Lake	ML3CL	California,U.S.A.	37.5494N	118.8153W	2512	From 1966-08-25 to 1966-09-09
Mono Lake	ML2CL	California,U.S.A.	38.0806N	119.2442W	2987	From 1966-08-24 to 1966-09-09
Mono Lake	ML1CL	California,U.S.A.	37.8806N	118.8494W	2512	From 1966-08-22 to 1966-08-26
Mono Lake	ML4	California,U.S.A.	38.3058N	119.5536W	2195	From 1966-08-23 to 1966-09-09
Mono Lake	ML3	California,U.S.A.	37.5494N	118.8153W	2512	From 1966-08-25 to 1966-09-09
Mono Lake	ML2	California,U.S.A.	38.0806N	119.2442W	2987	From 1966-08-24 to 1966-09-09
Monomi-yama	K08	Iwate,Japan	39.3128N	141.5244E	488	
Mono Valley	MONR	California,U.S.A.	38.0608N	118.7760W	2179	From 1974-07-01 to 2002-10-10
Monowai	MNW	South Island,New Zealand	45.7787S	167.6188E	155	From 1935-07-01 to 1978-11-26
Monrad Intermediate School	PNMS	North Island,New Zealand	40.3629S	175.5931E	10	From 2011-12-06
Monroe	Y53A	Georgia,U.S.A.	33.8554N	83.5836W	234	From 2012-04-12
Monroe	142A	Louisiana,U.S.A.	32.5488N	91.9457W	23	From 2011-02-22 to 2012-11-13
Monroe Substation	MBPA	Washington,U.S.A.	47.8985N	121.8889W	186	
Monserrat	MRB	Spain	41.5950N	1.8372E	860	
Monsted	NE02	Denmark	56.4590N	9.1700E	60	From 1983-02-01 to 2001-07-28

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Monsted U'grnd	MUD	Denmark	56.4550N 9.1733E	12	From 1982-03-01
Mont	MONL	Aquitaine,France	43.4328N 0.6506W	100	
Montachique	MTH	Portugal	38.8967N 9.1925W	409	
Montagna Grande	MTGR	Sicily,Italy	37.8934N 12.7593E	751	From 2000-07-01
Montagne du Rey	REYF	Aquitaine,France	43.0697N 0.3925W	1000	From 1996-12-12
Montagnes des Peres	MDP	French Guiana,France	5.1014N 52.6416W	110	
Montagnes des Peres	MPGF	French Guiana,France	5.1100N 52.6440W	147	
Montagne Vauclin	MVM	Martinique,France	14.5545N 60.8955W	361	From 1975-01-01
Montagnon	MNT1	Switzerland	46.1924N 7.1904E	853	From 2020-02-13
Montagny	OG11	Rhone-Alpes,France	45.4527N 6.6095E	1120	From 1993-07-07
Montague	B040	California,U.S.A.	41.8308N 122.4205W	594	
Montague	J45A	Michigan,U.S.A.	43.4354N 86.3889W	209	From 2012-09-13
Montague, CA	MOGU	California	41.8304N 122.4200W	835	From 2018-09-01
Montague Island	P23K	Alaska,U.S.A.	59.9979N 147.4031W	287	From 2016-05-22
Montague Island	MTU	Alaska,U.S.A.	59.9878N 147.6520W	434	
Montague Island	MTG	Alaska,U.S.A.	59.9118N 147.4970W	31	From 1974-10-03 to 1985-07-31
Montalto (Apecchio) - PU	AT03	Italy	43.5359N 12.3860E	789	From 2010-04-18
Montana	MNNAM	Bulgaria	43.4111N 23.2262E	231	From 2012-11-20
Montana Mountain View Ranch	MVMT	Montana	47.0338N 112.9296W	1326	From 2019-05-07
Montana Rajada	CRAJ	Canary Islands,Spain	28.2649N 16.5969W	2474	From 2004-06-11
Montanita	PT21	Peru	6.8490S 79.1360W	1200	
Montappone	MNTP	Italy	43.1374N 13.4693E	325	From 2012-11-15
Montappone	MN3	Italy	43.1400N 13.4705E	368	From 2004-04-20
Montargil	PMTG	Portugal	39.0690N 8.2253W	190	From 2008-09-25
Montasola	MA1	Italy	42.3846N 12.6800E	600	From 1978-01-01
Montasola	MNS	Italy	42.3847N 12.6808E	600	From 1978-01-01
Montbardon	MBDF	Provence-Cote d'Azur,France	44.7269N 6.7714E	1520	From 1996-04-03
Mont Bernier	MBV	Vanuatu	17.6587S 168.3100E		
Montcerf-Lytton	E55A	Quebec,Canada	46.4538N 76.0572W	180	From 2013-07-28
Mont Chateau	MCWV	West Virginia,U.S.A.	39.6581N 79.8456W	280	From 1991-03-28
Mont Chauve - France	NICEF	Provence-Cote d'Azur,France	43.7709N 7.2546E	850	
Montclair	MONJ	New Jersey,U.S.A.	40.8083N 74.2308W	98	
Montclair St. U.	MSNJ	New Jersey,U.S.A.	40.8841N 74.1815W	132	From 2000-11-02
Montcuq	MONQ	Midi-Pyrenees,France	44.3676N 1.1953E	240	From 2011-09-22
Mont de Guillon, France	MDGS	Franche Comte,France	47.3146N 6.3929E	400	From 2004-10-20 to 2008-12-09
Mont-d'or	MLG	Guadeloupe,France	16.0613N 61.7103W	642	
Mont Dore	PLUM	New Caledonia	22.2730S 166.6400E	9	From 2007-01-01
Mont Dzumac	DZM	New Caledonia	22.0710S 166.4440E	905	From 1985-01-01
Monte Acero	MAB1	Italy	41.2589N 14.4958E	723	
Monteagle	MEA	New South Wales,Australia	34.2083S 148.3930E		From 1966-08-14 to 1972-08-09
Monte Alegre	MALB	Para,Brazil	1.8529S 54.2649W	27	From 2014-04-26 to 2018-05-31
Monte Alegre, PA, Brazil	MAL2	Para	2.0183S 54.1807W	222	From 2018-06-20
Monte Arcimis	EARC	Sicily,Italy	37.6938N 15.0643E	1267	From 2002-10-01
Monte Arcimis	EMAR	Sicily,Italy	37.6883N 15.0623E	1250	From 1994-10-01
Monte Argentario	MAON	Italy	42.4283N 11.1309E	237	From 2003-07-25
Monte Argentario	MAO	Italy	42.4167N 11.1522E	326	From 1983-08-01
Monte Baldo	BALI	Trentino,Italy	45.7813N 10.8623E	1685	From 1981-06-15 to 1990-12-31
Monte Baldo	BALD	Italy	45.6831N 10.8181E	1911	From 2007-11-08
Monte Baldo - Osservatorio Astronomico Novezzina	MBAL	Italy	45.6975N 10.8589E	1213	From 2017-06-23
Montebello Ionico	MMBI	Italy	38.0330N 15.7630E	950	From 1993-12-01
Montebello Jonico - Saline (RC)	FX13	Italy	37.9450N 15.7075E	21	From 2021-12-22 to 2023-04-18
Montebello Ridge	MTB	California,U.S.A.	37.2907N 122.0910W	347	From 1975-02-07 to 1976-12-23
Montebelluna (TV)	MBEL	Italy	45.7993N 12.0686E	271	From 2010-06-09
Monte Bonifato	MBFT	Italy	37.9461N 12.9535E	520	From 2017-02-21
Montecalvo in Foglia	MCIF	Italy	43.8116N 12.6317E	330	From 2013-12-04
Montecano	MONV	Venezuela	11.9550N 69.9710W	170	From 2002-04-17
Monte Cassino	MCI	Italy	41.4833N 13.8167E	527	
Monte Cavallo	MTCL	Italy	42.9939N 12.9994E	660	From 2018-04-12
Monte-Cecu, CORTE	MCECU	Corse	42.3334N 9.1582E	704	From 2023-07-01
Monte Cedrone	ATMC	Italy	43.4468N 12.1928E	739	From 2009-01-29
Montecelio	MTCE	Italy	42.0228N 12.7422E	388	From 2002-12-05
Monte Christo, N12	TUN12	Nicaragua	13.3854N 86.0810W	803	
Montecilfone	MCLF	Italy	41.9016N 14.8374E	397	From 2018-08-21
Montecillos	BB01	Bolivia	18.0705S 65.2608W	2290	From 2011-11-10
Monte Cimone	MME	Italy	44.1936N 10.7000E	2160	
Monte Civitella	MCIV	Italy	42.7786N 11.6765E	790	From 2010-05-17
Monte Civitello	AT11	Italy	43.3818N 12.4199E	662	From 2011-06-08
Monte Cocuzzo	CZI	Italy	39.2183N 16.1336E	1700	From 1982-01-01
Monte Cornaccione	MC2	Italy	42.9127N 13.1905E	1916	From 2005-09-08
Montecristi	MCDR	Dominican Republic	19.8923N 71.6568W	55	From 2014-02-07
Monte Cristi	LOMC	Dominican Republic	19.8436N 71.6510W	37	From 2020-12-12
MONTECRISTI 3	VMON	Ecuador	1.0562S 80.6635W	241	From 2016-05-17
MONTECRISTI, CIUDAD ALFARO	AMO1	Ecuador	1.0535S 80.6642W	227	From 2016-04-20
Montecristo	MTO	El Salvador	14.3897N 89.4050W	1380	
Montecristo	MTO3	El Salvador	14.3989N 89.3606W	1828	From 2011-07-28
Montecristo 2	MTO2	El Salvador	14.4000N 89.3617W	1870	
Montecristo (LI)	A316A	Italy	42.3337N 10.2957E	38	From 2015-11-03
Monte Cristo Peak	MCU	Utah,U.S.A.	41.4617N 111.5070W	2664	From 1975-12-01
Montecucco	N002	Italy	43.3731N 12.3296E	538	From 2011-03-15
Monte Cuccoli	MOCL	Italy	44.0050N 11.1800E	639	From 2008-11-19
Monte D'Aria	MDAR	Italy	43.1927N 13.1427E	940	From 2008-10-26
Monte dei Santi	ESAN	Sicily,Italy	37.6945N 14.9677E	1690	From 1994-10-01
Monte di Procida	MPCD	Italy	40.7944N 14.0552E	88	From 2019-12-13
Monte di Procida	MTPR	Italy	40.7949N 14.0551E	89	From 2019-10-17
Monte do Carmo	MCRB	Tocantins,Brazil	10.6344S 47.8289W	261	From 2011-07-01
Monte do Carmo - TO	RET11	Tocantins,Brazil	10.6344S 47.8289W	261	From 2011-07-01
Montedoro	CMDO	Italy	37.4639N 13.8229E	569	From 2013-11-27
Monte Escuro	MTSA	Azores,Portugal	37.7810N 25.4384W	826	
Monte Escuro	MESC	Azores,Portugal	37.7931N 25.4456W	790	From 1990-01-19
Montefalcone Appennino	MF5	Italy	42.9888N 13.4605E	770	From 2000-07-19
Monte Fema	FEMA	Italy	42.9621N 13.0498E	1370	From 2009-09-23
MONTE FIEGNI FIASTRA	MNF	Italia	43.0596N 13.1844E	644	From 2011-01-07
Monte Figo	PFMF	Portugal	37.1005N 7.8235W	398	From 1996-01-01
Monte Figo	FIG	Portugal	37.1006N 7.8283W	310	From 1984-03-30 to 2009-05-30
Monte Finestrelle	MFNL	Sicily,Italy	37.7908N 12.9224E	677	From 2000-07-01
Monte Foce - Gubbio	ATFO	Italy	43.3666N 12.5715E	960	From 2009-08-10
Monte Fontane	EMFO	Sicily,Italy	37.7352N 15.0835E	1134	From 1994-10-01
Montefortino	MTFT	Italy	42.9419N 13.3426E	582	From 2018-04-13
Montegabbione	MGAB	Italy	42.9126N 12.1121E	547	From 2008-04-02
Monte Giove	MGIO	Italy	43.5606N 12.2036E	706	From 2011-10-01
Montego Bay	MBJ	Jamaica	18.4027N 77.8627W	576	
Monte Grappa, Col di Buratto	MGBU	Italy	45.9041N 11.7813E	1517	From 2022-07-26
Monte Grimano Terme	MF03	Italy	43.8486N 12.4799E	541	From 2019-10-07
Montegrosso	MGRO	Italy	44.0424N 7.8081E	1689	From 2012-09-19
Monte Grosso	EMGR	Sicily,Italy	37.6703N 15.0073E	1350	From 1994-10-01
Montehunto	PMJU	Portugal	39.1750N 9.0488W	660	
Monte Intraleo	EMIL	Sicily,Italy	37.7213N 14.9165E	1560	From 1994-10-01
Montejunto	AML05	Portugal	39.1795N 9.0538W	567	From 2019-10-03
Monte La Croce	MTCR	Italy	44.0270N 10.9980E	1289	From 2012-04-02
Montelago di Sassoferrato	SSFR	Italy	43.4363N 12.7822E	750	From 2010-07-23
Montelago di Sefro	MML1	Italy	43.1135N 12.9717E	943	From 2006-09-07
Monte Lauro	MEU	Sicily,Italy	37.1011N 14.9300E	985	
Monteleto	CC03	Italy	43.3780N 12.5163E	513	From 2011-03-15
Monte Lirio	MLIR	Panama	9.2412N 79.8533W	34	
Monte Lirio, Chiriqui	MLIR3	Panama	8.7930N 82.8240W	886	From 2010-01-01
Montella	MNT3	Italy	40.8370N 15.0067E	866	
Monte Llano	DR4	Dominican Republic	19.4672N 70.3600W		
Monte Llano	DR04	Dominican Republic	19.4672N 70.3600W	327	
Montello	M13A	Nevada,U.S.A.	41.3602N 114.1655W	1514	From 2006-05-04 to 2008-08-19
Montello	MTLO	Italy	45.8133N 12.0967E	350	From 1988-01-01
Monte Luro di Tavullia	TV6	Italy	43.9103N 12.7755E	289	From 2007-09-14
Monte Maddalena	GRDM	Italy	45.5451N 10.2795E	785	From 2007-05-01
Monte Magaggiaro	MMGO	Sicily,Italy	37.6619N 12.9767E	397	From 2000-07-01
Montemarano	MTMR	Italia	40.9184N 15.0026E	849	From 2017-06-08
Montemarciano	MOMC	Italy	43.6402N 13.3109E	100	From 2022-11-09
Monte Martano	MOMA	Italy	42.8039N 12.5701E	1040	From 2011-10-01
Monte Massico	MSC	Italy	41.1914N 13.9714E	109	
Monte Miggiano Umbertide	ATMI	Italy	43.3342N 12.2680E	573	
Montemonaco	MMO1	Italy	42.8993N 13.3268E	957	From 2008-10-08

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Montemor	MOE	Portugal	38.5228N 8.3506W	263	From 1983-02-19
Monte Murano	MMUR	Italy	43.4418N 12.9973E	800	From 2008-10-26
Montemurlo	MPPT	Italy	43.9575N 11.0902E	751	From 2015-06-04
Montemurro	MOME	Italy	40.3319N 15.9828E	1152	From 2002-12-17 to 2021-09-21
Montemurro	MOMNE	Italy	40.3306N 15.9834E	1157	From 2021-09-21
MONTEMURRO	MMR7	Italy	40.2970N 15.9887E	693	From 2014-02-04
Montenay - 53155 - Mayenne - Pays de la Loire	MTNF	Pays de la Loire	48.2722N 0.8459W	127	From 2022-01-22
Monte Nero	EMNR	Sicily,Italy	37.8162N 15.0260E	1745	From 2003-09-01
Monte Nero	EN6*	Sicily,Italy	37.8058N 15.0389E		From 1966-04-01 to 1966-05-01
Monte Orve	UORV	Italy	43.0324N 12.8887E	907	
Monte Paganuccio	MPAG	Italy	43.6292N 12.7595E	930	From 2008-10-26
Monte Parmentelli	EMPL	Sicily,Italy	37.6790N 14.9698E	1434	From 1994-10-01
Monte-Pele	MPM	Martinique,France	14.8120N 61.1680W	1190	
Monte Pellegrino	MPG	Sicily,Italy	38.1617N 13.3600E	600	From 1994-03-01
Monte Pirata	MTP	Puerto Rico	18.0972N 65.5525W	120	From 1975-04-01
Monte Pirata	MTPB	Puerto Rico	18.0900N 65.5500W	175	
Monte Pizzetto	PZZT	Italy	44.1313N 10.8617E	1236	From 2005-08-09
Monte Prat	MPRI	Italy	46.2417N 12.9883E	762	From 1977-06-02
Montereale (AQ), Italy	MB12	Italy	42.5297N 13.2444E	829	From 2016-11-30 to 2016-12-06
Montereale campo di calcio	MN09	Italy	42.5299N 13.2455E	827	From 2016-08-27
Montereale, ex municipio	MN06	Italy	42.5240N 13.2448E	923	From 2016-08-26
Montereale ex prefettura	MN08	Italy	42.5262N 13.2413E	916	From 2016-08-27
Montereale isola ecologica	MN04	Italy	42.5291N 13.2352E	977	From 2016-08-27
Montereale Piedicolle	MN02	Italy	42.5139N 13.2670E	827	From 2016-08-26
Montereale Piedicolle 2	MN03	Italy	42.5192N 13.2553E	823	From 2016-08-26
Monterenzio	MTRZ	Italy	44.3763N 11.4663E	594	From 2007-12-12
Monterey	MTR	California,U.S.A.	36.6005N 121.9180W	192	From 1970-11-27
Monterey	HMOM	California,U.S.A.	36.6005N 121.9180W	192	From 1970-11-27
Monterey Bay OB	MOBB	California,U.S.A.	36.6906N 122.1660W	-1036	
Monteria	MONA	Colombia	8.7700N 75.6600W	500	
Monteria, Cordoba	MOTC	Colombia	8.7785N 75.6650W	109	From 2009-06-01
Monte Rocchetta	MRB1	Italy	41.1264N 14.9728E	625	
Monte Rojo	SDD10	Dominican Republic	19.2105N 69.2698W	385	
Monte Rosa	MR6*	Sicily,Italy	38.4792N 14.9578E		From 1966-04-01 to 1966-05-01
Monte Rota	SEST	Italy	46.7493N 12.2165E	1729	From 2003-11-12
Monterrey	MNIG	Nuevo Leon	25.6100N 100.2900W	674	From 2011-12-02
Monterrey de San Carlos	REZ	Costa Rica	10.5273N 84.6987W	611	
Monte Ruvolo	EMRV	Sicily,Italy	37.7463N 14.8835E	1205	From 1994-10-01
Monte S. Angelo	MSAG	Italy	41.7120N 15.9096E	890	From 2006-05-25
Montesano	B017	Washington,U.S.A.	46.9960N 123.5575W	-185	
Montesano sulla Marcellana	MTSN	Italy	40.2663N 15.7515E	1056	From 2006-08-07
Monte Santa Maria Tiberina	SMTM	Italy	43.4360N 12.1627E	660	From 2011-10-01
Monte Sant'Angelo	FGMS	Italy	41.7079N 15.9534E	848	
Monte Sant'Angelo (FG)	MS1	Italy	41.7050N 15.9420E	830	From 1982-04-01
Montesarchio	MSB1	Italy	41.0897N 14.6594E	610	
Monte Scavo	ESVO	Sicily,Italy	37.7728N 14.9468E	1680	From 1994-10-01
Montes Claros	MC02	Minas Gerais,Brazil	16.7610S 43.9123W	840	From 2012-05-01
Montes Claros	MC05	Minas Gerais,Brazil	16.7551S 44.0105W	871	From 2012-05-01
Montes Claros	MC04	Minas Gerais,Brazil	16.6793S 43.9035W	685	From 2012-05-01
Montes Claros	MCI7	Minas Gerais,Brazil	16.7785S 43.8213W	714	From 2012-01-01
Montes Claros	MC03	Minas Gerais,Brazil	16.6390S 43.8814W	798	From 2012-05-01
Montes Claros	MCI8	Minas Gerais,Brazil	16.6597S 43.9203W	696	From 2012-01-01
Montes Claros	MCI9	Minas Gerais,Brazil	16.6980S 43.8933W	670	From 2012-01-01
Montes Claros	MCI6	Minas Gerais,Brazil	16.8070S 43.8933W	736	From 2012-01-01
Montes Claros	MC08	Minas Gerais	16.6793S 43.9034W	738	
Montes Claros	MC06	Minas Gerais,Brazil	16.6535S 43.8886W	682	From 2012-05-01
Montes Claros	MC01	Minas Gerais,Brazil	16.7074S 43.9417W	740	From 2012-05-01
Monte Sibilla Italy	SIB1	Italy	42.8947N 13.2700E	1734	From 2021-10-20
Monte Sirino - Moliterno	SIRI	Italy	40.1821N 15.8675E	1063	From 2006-08-07
Monte Soro	MNO	Sicily,Italy	37.9331N 14.6947E	1830	
Monte Soro	ESRO	Sicily,Italy	37.9308N 14.6940E	1847	From 1994-10-01
Monte Spagnolo	EMSG	Sicily,Italy	37.8208N 14.9498E	1435	From 1994-10-01
Montespertone	T1646	Italia	43.6591N 11.1095E	244	From 2022-05-05 to 2022-09-07
Monte Stella (Cilento), (SA)	MSTE	Italy	40.2378N 15.0654E	1111	From 2015-02-12
Monte Urbino	MURB	Italy	43.2630N 12.5246E	845	From 2004-01-21
Monteverde	MONTE	Costa Rica	10.3070N 84.8080W	1470	
Monteverde	MTEVE	Costa Rica,Costa Rica	10.3190N 84.8270W	1392	
Monte Vetore	EMVT	Sicily,Italy	37.6910N 14.9835E	1855	From 1994-10-01 to 2005-07-13
Monte Vettore	MVT	Sicily,Italy	37.6892N 14.9861E	1660	
Monteview	I15A	Idaho,U.S.A.	43.9997N 112.4850W	1470	From 2007-08-14 to 2009-06-05
Monte Vulture - Melfi	VULT	Italy	40.9549N 15.6163E	1101	From 2005-08-12
Monteynard	MNY	Rhone-Alpes,France	44.9606N 5.6911E	422	From 1963-09-01
Montezuma	S30A	Kansas,U.S.A.	37.6402N 100.4640W	853	From 2009-04-15 to 2011-03-16
Montezuma	MTZ	Antofagasta,Chile	22.6333S 68.8333W	1850	From 1933-01-01 to 1999-08-25
Montezuma Peak	MZP	Nevada,U.S.A.	37.7007N 117.3834W	2395	From 1979-07-13
Montgomery	MGVT	Vermont,U.S.A.	44.9135N 72.6277W	262	From 1977-08-01 to 1981-08-25
Mont Gurugu	GOG	Morocco	35.2220N 2.9960W	888	
Monticchio (on alluvial deposits)	PC05	Italy	42.3169N 13.4613E	660	From 2009-04-29 to 2009-04-07
Monticchio (on limestone)	PC04	Italia	42.3168N 13.4660E	683	From 2009-04-29 to 2009-05-07
Monticelli Brusati	MLBT	Italy	45.6323N 10.0993E	281	From 2019-07-30
Monticello	N46A	Indiana,U.S.A.	40.8949N 86.7352W	209	From 2011-10-13
Monticello	Z53A	Georgia,U.S.A.	33.2801N 83.5713W	144	From 2012-04-09
Monticello	MCEL	Italy	40.3249N 15.8019E	960	From 2006-08-07
Monticello Reservoir Site 1	MR01	South Carolina,U.S.A.	34.3318N 81.2957W	131	
Monticello Reservoir Site 10	MR10	South Carolina,U.S.A.	34.3363N 81.3375W	137	
Monticello Reservoir Site 2	MR02	South Carolina,U.S.A.	34.1929N 81.2302W	84	
Monticello Reservoir Site 3	MR03	South Carolina,U.S.A.	34.3514N 81.4569W	125	
Monticello Reservoir Site 4	MR04	South Carolina,U.S.A.	34.4287N 81.2166W	145	
Monticello Reservoir Site 5	MR05	South Carolina,U.S.A.	34.2675N 81.3342W	103	
Monticello Reservoir Site 6	MR06	South Carolina,U.S.A.	34.3517N 81.1962W	137	
Monticello Reservoir Site 7	MR07	South Carolina,U.S.A.	34.3720N 81.3250W	134	
Monticello Reservoir Site 8	MR08	South Carolina,U.S.A.	34.4088N 81.4092W	112	
Monticello Reservoir Site 9	MR09	South Carolina,U.S.A.	34.3008N 81.4030W	122	
Monti di Nese	MDI	Italy	45.7772N 9.7114E	1025	
Montjuic	MTJR	Spain	41.3701N 2.1561E	51	From 2011-05-25
Montmorin, 05088, Hautes-Alpes, Provence-Alpes-Côte d'Azur	M216	France	44.4291N 5.5499E	1245	From 2016-02-17
Montolieu	MTLF	Languedoc-Rousillon,France	43.3411N 2.2175E	365	From 1996-04-03
Montone	TSM3	Italy	43.3830N 12.3544E	340	From 2021-12-01
Mont Orford	MOQ	Quebec,Canada	45.3120N 72.2541W	841	From 1991-05-03
Mont Orford	MORQ	Quebec	45.3118N 72.2407W	840	From 2021-10-28
Montorio al Vomano	MVMN	Italy	42.5809N 13.6233E	317	From 2019-10-15
Montottone	MNTT	Italy	43.0620N 13.5957E	902	From 2012-04-19
Montottone (Fermo)	T0401	Italy	43.0621N 13.5957E	343	
Montouss	FMON	Midi-Pyrenees,France	43.0634N 0.4164E	647	From 2008-09-01
Montpelier	MPVT	Vermont,U.S.A.	44.2783N 72.6067W		From 1977-06-27 to 1981-08-25
Montreal	MNT	Quebec,Canada	45.5025N 73.6231W	112	From 1954-09-01 to 2010-05-21
Montreal, Quebec	MNTQ	Quebec,Canada	45.5003N 73.6228W	112	From 2010-07-26
Mont Rhoder	AMRH	Algeria	35.8572N 4.9388E	1530	
MONT RIVEL	RIVEL	Franche Comte	46.7590N 5.9225E	800	From 2014-02-12
Montrose	154A	Georgia,U.S.A.	32.6131N 83.1066W	111	From 2012-03-20
Montrose	MS-	Pennsylvania,U.S.A.	41.7611N 75.7975W	457	From 1962-07-24 to 1962-07-27
Montrose	MS-PA	Pennsylvania,U.S.A.	41.7611N 75.7975W	457	From 1962-07-24 to 1962-07-27
Montrose	MRC	Colorado,U.S.A.	38.4706N 107.8600W	1790	From 1970-01-01 to 1972-11-30
Montrose, S04	SCR04	Colorado	38.3740N 107.9445W	2125	
Mont Sano	MSAL	Alabama,U.S.A.	34.8467N 86.6735W	260	
Monts Chateau	KCH	Kerguelen Islands,France	49.2440S 70.1450E		From 1974-02-01
Montsec	AGER	Spain	42.0514N 0.7294E	1631	From 2023-06-30
Montserrat	CMON	Spain	41.5933N 1.8363E	730	From 2015-10-20
Montserrat	MWI	Montserrat	16.7130N 62.2220W	46	From 1966-03-20 to 1999-08-25
Montserrat Volcano Observatory	MVOV	Montserrat	16.7465N 62.2283W	80	
Mont Terri (freefield, SED-Schacht NW400, Brunefarm) MTI03	MTI03	Switzerland	47.3716N 7.1669E	719	From 2014-10-03
Mont Terri, (HE Schacht)	MTI02	Switzerland	47.3793N 7.1653E	220	From 2014-05-19
Mont Terri (ME Nische)	MTI01	Switzerland	47.3791N 7.1654E	245	From 2014-05-19
Mont Terri MTIA1, JU	MTIA1	Switzerland	47.3798N 7.1648E	564	From 2014-04-04
Mont Terri MTIA2, JU	MTIA2	Switzerland	47.3718N 7.1715E	545	From 2014-04-04
Mont Terri MTIA3, JU	MTIA3	Switzerland	47.3703N 7.1237E	714	From 2015-01-15
Mont Terri MTIA4, JU	MTIA4	Switzerland	47.3850N 7.2004E	717	From 2015-01-15
Mont Tournerait	TOUF	Provence-Cote d'Azur,France	44.0137N 7.2483E	1830	From 1988-04-08 to 2011-02-01
Mont Tremblant	TRQ	Quebec,Canada	46.2222N 74.5556W	853	From 1981-03-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Montufar	JUMO	Guatemala	13.8086N	90.1545W	13	From 2015-04-24
Monturaqui	MTQ	Antofagasta,Chile	24.3400S	68.4400W	3000	
Mont Vial	MUIF	Provence-Cote d'Azur,France	43.8963N	7.1525E	1480	
Mont Vial	MVIF	Provence-Cote d'Azur,France	43.8963N	7.1525E	1480	From 1988-04-08
Montville, Ohio	GPDO	Ohio,U.S.A.	41.5831N	81.0717W	377	From 2011-08-10
Monument Peak, Mt. Laguna	MONP	California,U.S.A.	32.8927N	116.4225W	1920	From 1998-02-02 to 2007-10-24
Monument Peak TA Vault, Mt. Laguna	MONP2	California,U.S.A.	32.8920N	116.4223W	1875	From 2007-09-17
Moodus	MD1	Connecticut,U.S.A.	41.5529N	72.4667W	113	
Moodus	MD2	Connecticut,U.S.A.	41.5314N	72.4337W	61	
Moodus	MD4	Connecticut,U.S.A.	41.5023N	72.5121W	106	
Moodus	MD5	Connecticut,U.S.A.	41.4551N	72.4950W	101	
Moodus	MD3	Connecticut,U.S.A.	41.5066N	72.4715W	152	
Moody	335A	Texas,U.S.A.	31.2819N	97.4271W	217	From 2009-11-15 to 2011-10-04
Moondarra Dam	MDRM	Victoria,Australia	38.0990S	146.3790E	250	
Moonee Ponds	MPDM	Victoria,Australia	37.7689S	144.9064E	30	
Moonlight Peak	MNLT	California	40.2311N	120.8425W	1738	From 2022-08-01
Moon Mountain	MOON	Oregon,U.S.A.	44.0515N	121.6695W	224	From 2002-08-01
Moore Haven	059A	Florida,U.S.A.	26.9671N	81.1440W	11	From 2012-03-12
Moorhouse Ave Christchurch	MOOR	South Island,New Zealand	43.5395S	172.6214E	17	From 2012-04-19
Moorlands	MOO	Tasmania,Australia	42.4417S	147.1900E	325	From 1960-01-01
Moosalm	MOTA	Austria	47.3448N	11.1037E	1575	From 1991-02-09
Moose Creek	MSE	Alaska,U.S.A.	61.8383N	148.9670W	1319	From 1984-09-11
Moose Creek	MCID	Idaho,U.S.A.	44.1903N	111.1827W	2149	
Moose Creek	YUK3	Yukon Territory,Canada	61.7755N	140.4595W	2100	From 2010-08-25
Moose Creek Bluff	MCB	Alaska,U.S.A.	64.7225N	147.2250W	200	From 1968-09-01 to 1971-09-30
Moose Pass	MPA	Alaska,U.S.A.	60.4892N	149.3610W	150	From 1973-08-05
Moose Ponds	MOOW	Wyoming,U.S.A.	43.7486N	110.7450W	2128	From 1986-01-01
Moosonee Ontario	MSNO	Ontario,Canada	51.2913N	80.6113W	4	From 2005-07-23
Mopani	MOPA	Transvaal,South Africa	23.5173S	31.3977E	362	From 2004-03-26
Mr	MSW3	Hungary	47.3831N	18.1261E	199	From 2020-03-26
Moragy	PKSM	Hungary	46.2119N	18.6413E	170	
Mrgy, Hungary	MORH	Hungary	46.2149N	18.6435E	135	From 2012-02-10
Moraine State Park, Portersville	N54A	Pennsylvania,U.S.A.	40.9617N	79.9892W	408	From 2010-11-06
Moraine State Park, Slippery Rock	PAMR	Pennsylvania,U.S.A.	40.9398N	80.0973W	393	From 2016-08-01
Morano Calabro	MOKA	Italia	39.8857N	16.1507E	815	From 2015-06-24
Morano Calabro	CNESE	Italy	39.8941N	16.0843E	1546	From 2022-01-01
Morassina Schaubergwerk	MORAS	Thuringen	50.5361N	11.2247E	618	From 2019-05-31
Morastadir	IMOR	Iceland	64.3018N	21.7511W	130	From 2017-11-22
Moravia	MORAV	Costa Rica	9.9644N	84.0419W	1245	From 2020-06-22
Moravia de Chirripo, San Jose	MRVA	Costa Rica	9.8240N	83.4425W	1202	From 2014-10-01
Moravsky	KRUC	Czech Republic	49.0619N	16.3952E	341	
Moravsky Beroun	MORC	Czech Republic	49.7768N	17.5425E	743	From 1995-04-01
Moravsky Krumlov	KRDU	Czech Republic	49.0621N	16.3950E	340	From 2014-05-28
Morawa	MRWA	Western Australia,Australia	29.2180S	115.9960E	300	From 1984-06-21
Morawa	MORW	Western Australia,Australia	29.0679S	116.0403E	296	From 1999-09-27
MORCONE	MOR21	Italy	41.3200N	14.7566E	452	From 2017-08-24
Morecambe B102	LBH	England,United Kingdom	54.0325N	2.9058W	-85	From 1990-01-01
Moreh	MORE	Myanmar	24.2360N	94.3010E	240	
Morelia	MRX	Michoacan,Mexico	19.7045N	101.1917W	1560	From 1988-01-01
Morelia	MOIG	Michoacan,Mexico	19.6779N	101.1889W	2000	
Moremi	MREMI	Botswana	22.5697S	27.4468E	911	
Moreno Valley High School, Angel Fire	U24A	New Mexico,U.S.A.	36.4093N	105.2784W	2573	From 2008-05-18 to 2010-04-11
More Nowhere	ST38	Xizang Zizhiqu,China	33.6539N	88.5046E	5069	From 1998-07-12 to 1998-09-02
Moresby, Haida Gwaii	MOBC2	British Columbia,Canada	53.1442N	131.9674W	675	From 2012-11-08
Moresby Island	MOBC	British Columbia,Canada	53.1448N	131.9687W	675	
Moresco	MRSC	Italy	43.0857N	13.7318E	395	From 2016-06-17
Morganfield	MOKY	Kentucky,U.S.A.	37.6470N	87.9010W	204	From 1989-01-01
Morgan Territory	MTC	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgan Territory	LT17	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgan Territory	CMOM	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgan Territory	CMOB	California,U.S.A.	37.8104N	121.8027W	743	
Morgantown	MRG	West Virginia,U.S.A.	39.6331N	79.9544W	281	From 1950-10-01
Morge	MRGE	Italy	45.7698N	7.0610E	1660	From 2005-09-08
Mori	MOR	O shima,Japan	42.1033N	140.5717E	19	
Morici	MORI	Croatia	43.8660N	15.7073E	140	
Morigerati	MGR	Italy	40.1376N	15.5535E	288	
Morin Heights	MRNQ	Quebec,Canada	45.8425N	74.2934W	59	
Morin Heights	MRHQ	Quebec,Canada	45.8870N	74.2127W	422	
Morioka	MRK	Iwate,Japan	39.6967N	141.1667E	154	
Morioka 2	MRKJ	Iwate,Japan	39.5988N	141.3238E	380	From 1992-02-21
Moriya	MRJ	Ibaraki,Japan	35.9425N	140.0044E	1	
Mormanno	MMN	Italy	39.8901N	15.9905E		
Mormanno Campotenese	MMN9	Italy	39.8919N	16.0503E	1040	From 2011-12-03 to 2017-03-31
Mormanno (CS)	MORMA	Italy	39.8699N	15.9721E	1022	
Morne Balai	BAMF	Martinique,France	14.8157N	61.1483W	670	
Morne-Daniel	MDN	Dominica	15.3185N	61.3923W	99	From 1981-03-16
Morne Jacques	MJM	Martinique,France	14.7887N	61.0708W	400	
Morne La Croix	CXM	Martinique,France	14.8113N	61.1685W	1240	
Morne Lapointe	LPMF	Martinique,France	14.5745N	60.9663W	130	
Morne la Rosette, Martinique, France	FDFM	Martinique	14.7349N	61.1597W	320	From 2019-10-24
Morne Lenard	PML	Martinique,France	14.7810N	61.1838W	370	
Morne Mazeau, Deshaies	GDHS	Guadeloupe,France	16.2727N	61.7651W	618	
Morne Pavillon	PAMF	Martinique,France	14.6138N	61.0363W	120	
Morne Pois Martinique	MPOM	Martinique,France	14.4447N	60.8588W	38	From 2012-10-01
Morne Soldat	MSGF	Guadeloupe,France	16.0987N	61.7220W	851	
Morne Tabac	SLTA	St Lucia	13.8704N	61.0399W	550	
Morning Glory Mine	PV19	Colorado,U.S.A.	38.3098N	108.9831W	2041	
Morogoro	MGOR	Tanzania,United Republic of Tanzania	6.8278S	37.6697E	505	
Moron de la Frontera	EXMOR	Spain	37.1226N	5.4503W	245	
Morong	MNP	Luzon,Philippines	14.6798N	120.2780E	12	
Morongo Valley	MRVC	California,U.S.A.	34.1558N	116.5020W	1239	From 1978-03-01
Morovis	MOV	Puerto Rico	18.2987N	66.3666W	485	From 1977-02-15 to 1999-08-25
Morphett Vale	MPTV	South Australia,Australia	35.1301S	138.5374E	100	From 2010-05-27
Morrillo	MLLO	Patagonia	43.2057S	72.8807W	109	From 2010-01-01
Morrinhos-CE	NBMO	Ceara,Brazil	3.3107S	40.0414W	95	From 2011-05-16
Morristown	H60A	Vermont,U.S.A.	44.5606N	72.6986W	459	From 2013-09-21
Morrocoy	MORO	Venezuela	10.8722N	68.3161W	920	From 1984-01-01
Morro d'Alba (AN)	T1742	Italy	43.6166N	13.2054E	200	From 2022-11-09
Morro de la Arena	MACI	Canary Islands,Spain	28.2502N	16.5082W	1674	
Morro Reatino (RI)	T1211	Italy	42.5329N	12.8551E	978	From 2016-08-24 to 2017-09-21
Morro Solar	PT01	Peru	12.0150S	77.0317W	250	
Morse	542A	Louisiana,U.S.A.	30.1247N	92.5513W	-1	From 2011-02-15 to 2012-12-07
Morshin	MORS	Carpathian Mountains	49.1330N	23.8940E	262	
Morshin	MRSS	Carpathian Mountains	49.1330N	23.8940E	262	
Morshyn	MORU	Carpathian Mountains	49.1240N	23.8760E	260	From 1978-01-01
Morsiglia	MORSI	Corse,France	42.9530N	9.3630E	100	From 2011-05-09
Morton Thiokol	MTUT	Utah,U.S.A.	41.7092N	112.4547W	1373	
Mosbach-Nuestenbach-im-Wald	MONI	Baden-Wurttemberg	49.3851N	9.1305E	297	From 2021-01-01
Mosca, S15	SCR15	Colorado	37.6450N	105.8002W	2302	
Moschato	MOS1	Greece	37.9531N	23.6819E	24	From 2012-09-15
Moscow	LBNM	Kentucky,U.S.A.	36.6150N	89.1373W	82	From 1989-12-13 to 1990-07-23
Moscow	MOS	Moskovskaya Oblast',Russia	55.7383N	37.6250E	121	
Moseley Ranch, Sierra Blanca	324A	Texas,U.S.A.	31.4425N	105.4828W	1441	From 2008-02-23 to 2010-01-14
Mose, Pekin	C30A	North Dakota,U.S.A.	47.7026N	98.4783W	480	From 2009-08-06 to 2011-07-14
Moshav Paran	MPRN	Israel	30.3627N	35.1544E	119	From 2018-12-05
Moshav SAPIR	MSPR	Israel	30.6145N	35.1862E	2	From 2018-10-09
Moshi	MOSH	Tanzania,United Republic of Tanzania	3.3053S	37.3292E	992	
Mosicchio (Amatrice)	RM25	Italy	42.6223N	13.2815E	976	From 2009-06-18 to 2009-07-06
Moslavina	MOSL	Croatia	45.6135N	16.7544E	480	
Mosqueruela	EMOS	Spain	40.3639N	0.4721W	1694	
Mossburn School	MOSS	South Island,New Zealand	45.6678S	168.2378E	303	From 2002-06-14
Moss Hill, Ennis	G16A	Montana,U.S.A.	45.2285N	111.8046W	1769	From 2007-09-24 to 2009-06-09
Mostar	MST	Bosnia and Herzegovina	43.3500N	17.8167E	70	
Mosteiros	PMOS	Azores	37.8904N	25.8211W	28	From 2016-04-14
Mosteiros	SET4	Azores,Portugal	37.8747N	25.7988W	402	From 1998-12-01
Mosul	MSL	Iraq	36.4000N	43.1100E	242	From 1981-07-01
Motapaya	MOTP	Gujarat,India	23.8558N	69.7746E	-20	From 2012-01-01
Mo Tay, Goldonna	241A	Louisiana,U.S.A.	32.0227N	92.9188W	59	From 2011-02-10 to 2012-12-01
Motegi	MGJ	Tochigi,Japan	36.5535N	140.2167E	140	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Motopi	MTP1	Botswana	20.2300S	24.0990E	936	From 2001-01-01 to 2100-12-31
Motril	EXMO	Spain	36.7270N	3.5360W	55	
Motta S. Anastasia	EMSA	Sicily,Italy	37.4980N	14.9450E	138	From 2014-02-17
Motta San Giovanni	MTTG	Italy	38.0019N	15.6939E	490	
Motueka DOC workshop	MOTS	South Island,New Zealand	41.1247S	173.0095E	13	From 2002-10-09
Motutapu	MTAZ	North Island,New Zealand	36.7865S	174.9056E	-4	From 1995-02-21 to 2012-10-09
Motutapu North Island, New Zealand	MBAZ	North Island,New Zealand	36.7688S	174.8979E	-36	From 2012-10-08
Motz Farm, Whitney	K26A	Nebraska,U.S.A.	42.7016N	103.1783W	1122	From 2008-11-15 to 2010-10-03
Moucha	MCAD	Djibouti	11.7303N	43.2120E	4	From 1994-01-01
Moudon cole, VD	SMOE	Switzerland	46.6715N	6.8003E	527	From 2015-03-02
Mouk	IMOK	Iran	29.0461N	52.7146E	2788	From 2002-10-01
Mould Bay	MBC	Northwest Territories,Canada	76.2417N	119.3600W	15	From 1961-10-18 to 2004-11-10
Mould Bay	NP-NT	Northwest Territories,Canada	76.2522N	119.3717W	59	
Moule a Chique	MCLT	St Lucia	13.7096N	60.9412W	220	
Moulis	MLS	Midi-Pyrenees,France	42.9578N	1.0947E	450	
Moulton	EF56	Texas	29.5828N	97.1894W	127	From 2018-09-26
Moumakai	MKAZ	North Island,New Zealand	37.1041S	175.1612E	77	From 1995-01-10
Mounoet Dainard	MNB	British Columbia,Canada	52.1987N	118.3830W	2271	
Mount Abel	ABL	California,U.S.A.	34.8508N	119.2210W	1981	From 1976-06-01
Mount Adagdak	ADAG	Alaska,U.S.A.	51.9802N	176.6017W	286	
Mount Adams	AMW	North Island,New Zealand	41.3078S	175.7610E	400	From 1991-03-22 to 2000-10-10
Mount Adams--Stagman Ridge	ASR	Washington,U.S.A.	46.1507N	121.5930W	1280	
Mountain	G42A	Wisconsin,U.S.A.	45.2418N	88.4277W	315	From 2011-09-30 to 2013-06-04
Mountain Creek	FALL	British Columbia,Canada	53.2780N	132.4601W	391	
Mountain Grove	MGMO	Missouri,U.S.A.	37.1540N	92.2687W	453	
Mountain Home	MO-	Idaho,U.S.A.	43.0719N	116.2656W	792	From 1966-11-17 to 1967-06-26
Mountain Home	MO-ID	Idaho,U.S.A.	43.0719N	116.2656W	792	From 1966-11-17 to 1967-06-26
Mountain Meager	MGMB	British Columbia,Canada	50.6279N	123.4081W	420	From 2016-09-11
Mountain Pass	MTPC	Nevada,U.S.A.	35.4848N	115.5533W	1582	
Mountain Pine	MP-	Arkansas,U.S.A.	34.6017N	93.1458W	183	From 1961-11-20 to 1963-06-03
Mountain Pine	MP-AR	Arkansas,U.S.A.	34.6017N	93.1458W	183	From 1961-11-20 to 1963-06-03
Mountainview	V41A	Arkansas,U.S.A.	35.7851N	92.1554W	413	From 2011-05-12 to 2013-02-17
Mountain View	MVH	Hawaii,U.S.A.	19.5042N	155.0620W	409	
Mountain View	T41A	Missouri,U.S.A.	37.0436N	91.7636W	366	From 2011-05-08 to 2013-03-18
Mount Airy	MANY	New York,U.S.A.	41.2220N	73.8686W	133	
Mount Albert Grammar School	MAGR	North Island,New Zealand	36.8853S	174.7260E	39	From 2002-06-20 to 2019-10-01
Mount Amassa	ASI	Israel	31.3300N	35.0950E	850	From 1983-08-01 to 1984-10-31
Mount Arapiles	ARPS	Victoria,Australia	36.7699S	141.8383E	213	From 2000-12-01
Mount Atzmon	ATZ	Israel	32.8216N	35.2697E	510	From 1986-01-01
Mount Bagana	BGA	Bougainville,Papua New Guinea	6.1500S	155.1800E	1000	From 1984-01-01
Mount Baker	MU-WA	Washington,U.S.A.	48.9167N	121.9103W	732	From 1962-09-26 to 1962-10-05
Mount Baker	MBW	Washington,U.S.A.	48.7840N	121.9000W	1676	From 1972-11-08
Mount Baldy Ranger Station	BFSC	California,U.S.A.	34.2388N	117.6585W	1312	From 2001-07-10
Mount Belmont	BEMT	Montana,U.S.A.	46.7483N	112.3300W	2228	
Mount Berech	MBH	Israel	29.7925N	34.9153E	842	From 1986-06-18 to 2007-06-18
Mount Bingar	MBA	New South Wales,Australia	34.1250S	146.2370E		From 1961-01-01 to 1962-12-31
Mount Brisbane	WMBQ	Queensland,Australia	27.1155S	152.5500E	160	From 1977-03-18
Mount Bullion	MBUM	California,U.S.A.	37.5597N	120.0756W	1248	
Mount Cameroon	MOC	Cameroon	4.2869N	9.2169E	2475	From 1985-11-23 to 1990-12-31
Mount Cameroon	MOKC	Cameroon	4.2583N	9.2500E	2040	
Mount Carmel	CRI	Israel	32.6820N	35.0450E	450	From 1983-07-01 to 1999-08-25
Mount Cartier	CARB	British Columbia,Canada	50.9000N	118.0530W	2294	
Mount Castle	MCAS	Papua New Guinea	6.3719S	143.4833E	1950	From 1996-08-31
Mount Claude	CLAW	Tasmania,Australia	41.4920S	146.1830E	900	
Mount Constitution	MCW	Washington,U.S.A.	48.6797N	122.8320W	693	From 1972-11-08
Mount Cook Annex	MCNS	South Island,New Zealand	43.7364S	170.0972E	740	From 2008-05-10
Mount Cooper	MCPQ	Queensland,Australia	20.5500S	146.8065E	300	From 1984-02-23
Mount Cotopaxi	CPXM	New South Wales,Australia	34.4765S	150.6248E	622	
Mount Darwin	MTD	Zimbabwe	16.7800S	31.5833E	967	From 1971-06-01
Mount Davis	MDA	California,U.S.A.	33.9130N	116.9990W	845	
Mount Dempster	I30M	Yukon Territories,Canada	65.2225N	136.3767W	1399	From 2017-07-14
Mount Denham	MTDJ	Jamaica	18.2261N	77.5345W	925	From 2007-12-08
Mount Diablo	MDC	California,U.S.A.	37.8817N	121.9140W	1173	From 1967-05-27 to 1974-06-01
Mount Ellis	MEMT	Montana,U.S.A.	45.6040N	110.9697W	1951	From 1987-10-15
Mount Erie	ERW	Washington,U.S.A.	48.4540N	122.6251W	389	
Mount Fremont	FMW	Washington,U.S.A.	46.9317N	121.6720W	1890	From 1972-09-04
Mount Gambier	MGBR	South Australia,Australia	37.7263S	140.5726E	187	
Mount Gibbes	MGNC	North Carolina,U.S.A.	35.7363N	82.2855W	1973	
Mount Gilboa	MGI	Israel	32.4391N	35.4117E	300	
Mount Grey	MGB	British Columbia,Canada	49.0000N	124.6920W	1300	From 1983-12-01
Mount Grey	MGRB	British Columbia,Canada	48.9997N	124.6971W	1310	From 2018-10-24
Mount Hagen	HAGN	Papua New Guinea	5.8304S	144.2978E	1650	From 2013-03-22
Mount Hagen	VMHM	Oregon,U.S.A.	44.1377N	122.4070W	902	
Mount Hamilton	MHC	California,U.S.A.	37.3416N	121.6426W	1250	From 1887-01-01
Mount Hamilton Road	MHR	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mount Harif	HRFI	Israel	30.0364N	35.0370E	438	From 2002-05-20
Mount Harkness	LHKM	California,U.S.A.	40.4353N	121.2780W	2060	
Mount Harlan	BMHM	California,U.S.A.	36.6863N	121.4130W	811	From 1975-01-29
Mount Hebo	HEBO	Oregon,U.S.A.	45.2137N	123.7542W	875	
Mount Hebo	VHOM	Oregon,U.S.A.	45.2192N	123.7250W	951	
Mount Hermon	HRI	Israel	33.2660N	35.7340E	1015	From 1983-07-01
Mount Hood Meadows	HOOD	Oregon,U.S.A.	45.3216N	121.6522W	1520	
Mount Hope	RD03	Ontario,Canada	43.1832N	79.9440W	198	
Mount Hope	HOPM	Victoria,Australia	35.9964S	144.2046E	140	
Mount Hope	MHPQ	Queensland,Australia	21.3960S	146.8020E	200	From 1984-04-10
Mount Horn	MHZ	South Island,New Zealand	45.0606S	169.2796E	1127	From 1984-06-06 to 1996-04-29
Mount House, Kimberley	KIM10	Western Australia	17.0503S	125.7043E	311	From 2022-05-31 to 2032-06-01
Mount Humbug	HBMT	Montana,U.S.A.	45.7930N	112.6080W	2481	From 1990-08-08
Mount Hutt	MHCZ	South Island,New Zealand	43.5316S	171.5679E	648	From 2013-05-20
Mount Ida	MIAR	Arkansas,U.S.A.	34.5454N	93.5765W	207	From 1992-09-23
Mount Ida	MZ-AR	Arkansas,U.S.A.	34.5586N	93.6578W	213	From 1962-12-20 to 1963-01-31
Mount Ida	MZ-	Arkansas,U.S.A.	34.5586N	93.6578W	213	From 1962-12-20 to 1963-01-31
Mount Irish	MTI	Nevada,U.S.A.	37.6758N	115.2759W	1536	From 1979-06-08 to 2002-10-10
Mount Isa	ISQ	Queensland,Australia	20.7150S	139.5530E	500	From 1979-08-21 to 1987-06-14
Mount Isa	QIS	Queensland,Australia	20.5577S	139.6052E	450	From 1987-06-15
Mount John	MJZ	South Island,New Zealand	43.9855S	170.4663E	1000	From 1965-05-29 to 1980-06-26
Mount John Pukaki	MJP	South Island,New Zealand	43.9895S	170.4596E	960	From 1975-06-18 to 1983-11-21
Mount Johnson	BJOM	California,U.S.A.	36.6283N	121.3130W		From 1974-01-31
Mount Kelaz	KELA	Alaska,U.S.A.	58.4400N	155.7407W	975	
Mount Kennedy	O29M	Yukon Territory,Canada	60.3024N	138.5755W	1423	From 2016-07-15
Mount Kenneth	MTKN	Western Australia,Australia	31.9333S	115.7736E	61	From 2009-04-01
Mount Kliuchef	KOKL	Alaska,U.S.A.	52.3232N	174.2002W	758	
Mount Konoctai	GMKM	California,U.S.A.	38.9695N	122.7870W	906	From 1975-04-18
Mount Lassen	LAS	California,U.S.A.	40.4752N	121.5080W	2650	From 1973-10-01 to 1974-07-16
Mount Lazard	LZB	British Columbia,Canada	48.6117N	123.8236W	844	
Mount Lewis	CMLM	California,U.S.A.	37.4773N	121.6510W	1076	
Mount Logan	MTLAZ	Arizona,U.S.A.	36.3530N	113.1990W	2418	
Mount Lookout	LOKS	South Island	42.0116S	173.4824E	1609	From 2017-06-15
Mount Lospe	PMLM	California,U.S.A.	34.8947N	120.6093W	468	
Mount Malkishua	MML	Israel	32.4351N	35.4133E	510	From 1986-05-01 to 2001-07-18
Mount Malkishua	MMLI	Israel	32.4379N	35.4216E	511	
Mount Mary	MMP	South Island,New Zealand	44.1408S	170.2784E	950	From 1975-06-18 to 1983-11-21
Mount Meron	MMR	Israel	32.9910N	35.4170E	1109	From 1990-01-01
Mount Meron	MRNI	Israel	33.0120N	35.3920E	900	
Mount Meron	MNRI	Israel	33.0100N	35.3870E	900	
Mount Meron array	MMA0B	Israel	33.0153N	35.4031E	809	From 2004-01-01
Mount Meron array	MMA0	Israel	33.0152N	35.4031E	810	From 2004-01-01
Mount Meron array	MMA1	Israel	33.0181N	35.4062E	776	From 2004-01-01
Mount Meron array	MMA2	Israel	33.0125N	35.4057E	776	From 2004-01-01
Mount Meron array	MMA3	Israel	33.0121N	35.4006E	792	From 2004-01-01
Mount Meron array	MMB3	Israel	33.0195N	35.3971E	812	From 2004-01-01
Mount Meron array	MMC1	Israel	33.0305N	35.4037E	827	From 2004-01-01
Mount Meron array	MMC2	Israel	33.0268N	35.4116E	701	From 2004-01-01
Mount Meron array	MMC3	Israel	33.0183N	35.4138E	713	From 2004-01-01
Mount Meron array	MMC4	Israel	33.0072N	35.4186E	750	From 2004-01-01
Mount Meron array	MMC5	Israel	33.0087N	35.4127E	766	From 2004-01-01
Mount Meron array	MMC6	Israel	33.0120N	35.3915E	893	From 2004-01-01
Mount Meron array	MMC7	Israel	33.0221N	35.3926E	816	From 2004-01-01
Mount Meron array	MMB4	Israel	33.0208N	35.4020E	806	From 2004-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mount Meron array	MMB2	Israel	33.0097N	35.3953E	878	From 2004-01-01
Mount Meron array	MMA4	Israel	33.0146N	35.3975E	851	From 2004-01-01
Mount Meron array	MMB1	Israel	33.0151N	35.4108E	733	From 2004-01-01
Mount Meron Array Beam Reference Point	MMAI	Israel	33.0153N	35.4031E	809	From 2004-01-01
Mount Michael	MMCZ	South Island,New Zealand	45.0021S	169.1314E	1163	From 1989-06-29 to 1996-04-27
Mount Mitchell	MTMW	Washington,U.S.A.	46.0255N	122.2120W	1121	
Mount Mocho	CMMM	California,U.S.A.	37.4557N	121.4940W	1117	
Mount Montar	MOI	Israel	31.7350N	35.3491E	140	
Mount Morgan	MORG	Queensland,Australia	23.7626S	150.3901E	170	
Mount Moriah Church	MMCS	South Carolina,U.S.A.	34.7798N	82.9152W	280	
Mount Morrison	MTW	North Island,New Zealand	41.1579S	175.5016E	311	From 1979-06-29
Mount Natib	NBP	Luzon,Philippines	14.7420N	120.4160E	585	
Mount Nelson	NELS	Tasmania,Australia	42.9271S	147.3326E	348	
Mount Ogden	MOUT	Utah,U.S.A.	41.1849N	111.8790W	2743	From 1980-09-01
Mount Olympus	OLYC	California,U.S.A.	33.4313N	117.1180W	482	
Mount Oso	COSM	California,U.S.A.	37.5085N	121.3740W	1020	
Mount Ozzard	OZB	British Columbia,Canada	48.9603N	125.4930W	671	
Mount Pasian	MPP	Mindanao,Philippines	7.8972N	126.0180E	1130	From 1975-09-01 to 1980-01-17
Mount Pierce	KMPM	California,U.S.A.	40.4173N	124.1200W	957	
Mount Pierson	MTPU	Utah,U.S.A.	38.0415N	112.1843W	3112	From 2009-10-24
Mount Pinos, Frazier Park	MPI	California,U.S.A.	34.8126N	119.1453W	2673	From 2000-11-01
Mount Pleasant	MTPS	South Island,New Zealand	43.5847S	172.7256E	448	From 2012-03-01
Mount Rainier--Camp Muir	RCM	Washington,U.S.A.	46.8358N	121.7318W	3085	
Mount Rainier--Camp Schurman	RCS	Washington,U.S.A.	46.8710N	121.7310W	2877	From 1989-06-27
Mount Rainier--Emerald Ridge	REMR	Washington,U.S.A.	46.8192N	121.8409W	1756	From 1989-07-12
Mount Rainier--Summit	RSU	Washington,U.S.A.	46.8533N	121.7631W	4440	
Mount Rainier--Voight Creek	RVC	Washington,U.S.A.	46.9429N	121.9710W	1000	
Mount Ramon	RMNI	Israel	30.5964N	34.7620E	853	
Mount Ramon	RMN	Israel	30.4970N	34.6270E	1000	
Mount Read	MTRD	Tasmania,Australia	41.8464S	145.5436E	1080	
Mount Saint Catherine	GRW	Grenada	12.1600N	61.6610W	762	From 1978-04-09
Mount Saint Helena	NMHM	California,U.S.A.	38.6695N	122.6340W	1331	From 1977-01-20
Mount Saint Helena	SHC	California,U.S.A.	38.6703N	122.6340W	1200	From 1973-12-07 to 1977-01-20
Mount Saint Helena South	NHSM	California,U.S.A.	38.6565N	122.6144W	1213	
Mount Saint Helens	SHW	Washington,U.S.A.	46.1925N	122.2370W	1423	From 1972-10-25
Mount Saint Helens Crater	VALT	Washington,U.S.A.	46.2142N	122.1893W	1681	From 2006-09-23
Mount San Antonio	MSA	New Mexico,U.S.A.	36.8592N	106.0180W	3322	From 1975-10-09
Mount Santo Tomas	MSP	Luzon,Philippines	16.3333N	120.5667E	2000	From 1975-10-01
Mount Sar Shalom	MSM	Israel	33.0610N	35.2790E	500	From 1983-03-19 to 1983-07-14
Mount Sheppard	MTSH	North Carolina,U.S.A.	35.7556N	79.9528W	361	
Mount Sheridan	YMS	Wyoming,U.S.A.	44.2640N	110.5278W	3106	
Mount Signal	SGL	California,U.S.A.	32.6492N	115.7250W	110	From 1973-04-16
Mount Sodom	SDOM	Israel	31.0800N	35.3900E	-200	
Mount Somers School	MSMC	South Island,New Zealand	43.7046S	171.4023E	376	From 2005-02-24
Mount Spurr	SPU	Alaska,U.S.A.	61.1817N	152.0540W	800	From 1971-08-10
Mount Spurr	N20K	Alaska,U.S.A.	61.2001N	152.2089W	991	From 2015-08-14
Mount St. Helen	MSH31	Washington,U.S.A.	46.3085N	119.3380W	117	From 2005-08-14
Mount St. Helen	MSH21	Washington,U.S.A.	46.3079N	122.2660W	1040	From 2004-10-30
Mount St. Helen	MSH11	Washington,U.S.A.	46.2078N	119.0377W	97	From 2004-10-28
Mount Surprise	MTSU	Queensland,Australia	18.1342S	144.3168E	460	From 2002-11-06
Mount Tamalpais	NTPM	California,U.S.A.	37.9200N	122.5630W	274	
Mount Tarawera	TARZ	North Island,New Zealand	38.2356S	176.5059E	1012	From 2007-11-22
Mount Tassie	MTV	Victoria,Australia	38.4017S	146.5660E	740	
Mount Tassie Tower	MTLM	Victoria,Australia	38.4015S	146.5642E	755	
Mount Taylor	MTL	New Mexico,U.S.A.	35.2519N	107.5960W	3335	From 1975-10-15
Mount Thompson	THOB	British Columbia,Canada	52.6900N	119.1220W	2499	From 1972-10-15 to 1999-08-25
Mount Tsukuba	MTJ	Ibaraki,Japan	36.2108N	140.1100E	286	From 1921-01-01
Mount Umunhum	JUMM	California,U.S.A.	37.1608N	121.8980W	1048	
Mount Union College	MUCO	Ohio,U.S.A.	40.9050N	81.1090W	365	
Mount Upton	O28M	Yukon Territory,Canada	60.7718N	140.1906W	2622	From 2016-07-16
Mount Varzin	EVZ	New Britain,Papua New Guinea	4.3960S	152.1550E	597	
Mount Washington	MWAB	British Columbia,Canada	49.7411N	125.3032W	1176	From 2009-07-31
Mount Wilson	MWC	California,U.S.A.	34.2238N	118.0580W	1730	From 1928-04-23
Mount Yahel	MYI	Israel	31.1990N	35.2160E	500	
Mount Yoash	YASH	Israel	29.5850N	34.8810E	718	
Mount Zion Church	ZIN	South Carolina,U.S.A.	33.1072N	80.1628W	30	From 1977-10-23
Moura State High School	AUMOU	Queensland,Australia	24.5800S	149.9800E	153	From 2013-08-11
Mousounitsa, Greece	GR24	Greece	38.6887N	22.1944E	893	From 2022-09-28
Moutere Station	MSCZ	South Island,New Zealand	45.0914S	169.4118E	701	From 1986-12-09 to 1996-05-01
Mouthoumet	MTHF	Languedoc-Rousillon,France	42.9386N	2.5339E	620	From 1989-01-01
Moxa	MOX	Thuringen,Germany	50.6447N	11.6156E	455	
Moxie City	MXC	Washington,U.S.A.	46.5772N	120.2930W	540	
Moye	OG06	Rhone-Alpes,France	45.8810N	5.8902E	650	From 1992-04-14
Moye	OGMY	Auvergne	45.8810N	5.8893E	656	From 2015-12-16
Moygownagh, Co. Mayo, Ireland	IMAY	Ireland	54.1607N	9.3796W	24	From 2021-10-14
Moyogalpa	MOYN	Nicaragua	11.5357N	85.6958W	50	
Moyori	MYR	Tokachi,Japan	42.2918N	143.2837E	80	From 1971-11-03
Moyuta	MYT	Guatemala	14.0472N	90.0642W	1325	From 1983-10-01
Moyuta, Jutiapa	MOYG	Guatemala	14.0495N	90.0783W	1320	
Mozjanca	MOZS	Slovenia	46.2941N	14.4433E	660	From 2005-07-07
Mpanda	PNDA	Tanzania,United Republic of Tanzania	6.3520S	31.0613E	1065	
MQLS	MQLS	Saudi Arabia	26.6310N	47.4501E	371	
MQOL	MQOL	Sudan	20.6638N	37.0507E	90	
Mrakovica	MRAK	Bosnia and Herzegovina	45.0130N	16.9000E	850	
Mrakovica	A051A	Bosnia and Herzegovina	45.0125N	16.9069E	862	
Mrkonjic Grad	MGRS	Bosnia and Herzegovina	44.4170N	17.0840E	560	From 2012-08-01
Mrontuo Lake Bosomtwe	MRON	Ghana	6.4647N	1.4371W	361	
Mt Annan Botanic Gardens	MABG	New South Wales	34.0721S	150.7601E	131	From 2016-05-01
Mtatsminda	MTA	Georgia,Georgia	41.6939N	44.7925E	515	From 2004-01-01
Mt Baker	MU-	Washington,U.S.A.	48.9167N	121.9103W	732	From 1962-09-26 to 1962-10-05
Mt Berech	MBRI	Israel	29.7942N	34.9140E	850	From 2007-06-19
Mt Clear College-Earth Ed	AUMTC	Victoria,Australia	37.6100S	143.8800E	48	From 2013-05-15
Mt. Diablo Meridian	O02D	California,U.S.A.	40.1766N	122.7884W	965	From 2010-08-01
Mte Cammarata	MCT	Sicily,Italy	37.6311N	13.6336E	1565	
Mte del Estrado	MEP	Puerto Rico	18.1458N	66.9811W	880	From 1990-07-01 to 1999-08-25
M.te Sabotino	SABO	Italy	45.9800N	13.6000E	600	
Mte Sant'Angelo	FG3	Italy	41.7074N	15.9494E	858	
Mte Valcellina	RCL	Italy	46.1600N	12.6533E	548	From 1977-08-03 to 1995-11-10
Mte Valcellina	RE1	Italy	46.1600N	12.6533E	548	From 1977-08-03 to 1995-11-10
Mt Hamilton Road	CB10	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mt Hamilton Road	NHMM	California,U.S.A.	38.1547N	121.8003W		From 1969-03-04
Mt Hamilton Road	CMHM	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mt. Hehuan	TQ07	Taiwan region	24.1435N	121.2727E	3383	From 2017-05-25
MTL	CMTL	Costa Rica	10.5490N	83.6817W	52	
Mt Lofy	BOX6	South Australia	34.9782S	138.7087E	684	From 2019-01-01
Mt Longido	LGDO	Tanzania,United Republic of Tanzania	2.7250S	36.6983E	1375	
Mt. Morris Dam	MMNY	New York,U.S.A.	42.7319N	77.9066W	241	From 2008-05-01
Mt Oso, Westley, California	MTOS	California	37.5050N	121.3280W	309	From 2017-06-01
Mt. Peulik Volcano	R17L	Alaska,U.S.A.	57.6313N	156.3599W	524	From 2018-06-23
Mt. Pleasant	Z38A	Texas,U.S.A.	33.2599N	94.9851W	116	From 2010-04-24 to 2012-01-23
Mt Rat	MRAT	South Australia,Australia	34.6300S	137.6254E	120	From 2007-02-01
Mtskhetisjvari	ALIG	Georgia	42.1047N	43.6490E	811	From 2016-08-24
Mts of Mourne	GMM	Northern Ireland,United Kingdom	54.2390N	5.9510W	140	From 1989-01-01
Mt. Soledad, San Diego	SOLD	California	32.8410N	117.2480W	205	From 1982-01-01
Mt St Catherine	MCG	Grenada	12.1600N	61.6610W	762	From 1977-07-01 to 1978-07-01
Mt Stromlo	AUMTS	Australian Capital Territory,Australia	35.3200S	149.0000E	667	From 2011-05-04
Mt Trumbull	U14A	Arizona,U.S.A.	36.4182N	113.1805W	1916	From 2007-02-18 to 2008-11-13
Mt Valcellina	MRVI	Italy	46.1600N	12.6533E		From 1977-08-03 to 1999-08-25
Muan gun	KSMAN	Republic of Korea	35.0939N	126.2850E	57	From 2000-01-20
Muanza, A1025	M1025	Mozambique	18.8187S	34.7380E	151	
Muara Bungo, Jambi	MBBI	Indonesia	1.5406S	102.0984E	113	From 2019-10-01
Muara Dua, Sumatera Selatan	MTSM	Indonesia	4.4793S	103.5062E	803	From 2019-01-01
Muara Sahung, Bengkulu	MKSM	Indonesia	4.5288S	103.3600E	300	From 2019-01-01
Muara Teweh, Kalimantan	MTKI	Kalimantan,Indonesia	0.9418S	114.8959E	114	From 2008-12-01
Muccia, Frazione Massaprofoglio (MC)	T1219	Italy	43.0558N	13.0073E	716	From 2016-10-27 to 2018-07-04
Mucha	TWA	Taiwan region	24.9803N	121.5837E	260	From 1972-08-29
Mucurapo Girls' R.C. School, Port of Spain	PSMG	Trinidad and Tobago	10.6715N	61.5318W	3	From 2017-12-11
Mudanjiang	MDJ	Jilin,China	44.6164N	129.5920E	250	
Mudanya	IMRA	Turkey,Turkey	40.5639N	28.5285E	125	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mudanya-Bursa	MDNY	Turkey	40.3690N	28.8840E	110	From 2008-07-09
Mudaysisat	MDSJ	Jordan	31.6320N	36.2520E	970	From 1985-12-20
Mudindi	MUDIN	Tanzania	9.8621S	34.9373E	1397	From 2014-07-11 to 2015-11-04
Mud Lake	MUDI	Idaho,U.S.A.	43.6189N	111.0770W	2124	From 1986-01-01 to 2005-03-26
Muduarah	MDRJ	Jordan	29.4420N	35.8200E	900	From 1990-04-26
Muduarah	MUDJ	Jordan	29.4220N	35.8200E	900	
Mudurnu	MUT	Turkey	40.4647N	31.2119E	960	From 1979-01-01 to 1999-08-25
Mudurnu	MDU	Turkey	40.4653N	31.2145E	740	From 1995-12-21 to 2008-05-22
Mudurnu	MDUB	Turkey	40.4711N	31.1976E	1108	From 2008-05-22
Mud Volcano	MVW	Wyoming,U.S.A.	44.6225N	110.4420W	2415	From 1972-10-01
Muetzenich	MUEZ	Rheinland-Pfalz	50.2600N	6.2500E	543	From 2020-11-11
Muff Farm, Clarinda	N36A	Iowa,U.S.A.	40.8156N	94.9604W	349	From 2010-11-19 to 2012-08-31
Muggio	MUGIO	Switzerland	45.9219N	9.0417E	830	From 2002-01-24
Mugla, Merkez-Ikizce	MULA	Turkey	37.2561N	28.3208E	973	From 2014-12-04
Muharraq	BMU	Bahrain	26.2350N	50.6600E		
Muhayil	MOHS	Saudi Arabia	18.5761N	42.0190E	520	
Muhor-Tarhata, Altay Republic, Russia	SLNR	Altayskiy Kray,Russia	49.7770N	88.4670E	2057	From 2003-10-18
Muhukuru	KURU	Tanzania	11.1996S	35.4577E	751	From 2014-07-19 to 2015-11-04
Muirshiel	PMSU	Scotland,United Kingdom	55.8459N	4.7452W	351	From 1990-01-01 to 1991-01-01
Mukachevo	MUKU	Carpathian Mountains	48.4536N	22.6874E	125	From 1996-08-14
Mukalla, MUK	AMUK	Yemen	14.4872N	49.0378E	38	
Mukerian	MUK	Punjab,India	31.9500N	75.6167E	259	
Mukinbudin Central	MBNC	Western Australia	30.7280S	118.2530E	348	
Mukinbudin South	MBNS	Western Australia	30.7400S	118.2560E	350	
Mukjeong-gil	SMKB	Republic of Korea	35.6891N	126.5561E	52	From 2011-12-07
Mula	EXMU	Spain	38.0390N	1.4940W	340	
Muldenberg	MULD	Sachsen,Germany	50.4117N	12.4040E	678	From 2007-12-20
Muldenstein	MUHB	Germany	51.6580N	12.3424E	115	
Muldoon	MLDN	Texas,U.S.A.	29.7828N	97.0686W	106	From 2017-08-03
Muleba	MLBA	Tanzania,United Republic of Tanzania	1.8377S	31.6697E	1335	
Muleshoe	MSTX	Texas,U.S.A.	33.9696N	102.7724W	1167	From 2008-04-23
Mulgathing	MULG	South Australia,Australia	30.2818S	134.0585E	216	From 2013-07-17
Mulgeum	MLGA	Republic of Korea	35.3113N	128.9969E	28	From 2018-03-09
Mulgrave and Derry, QC.	MGDQ	Quebec,Canada	45.7189N	75.4854W	141	From 2011-11-22
Mulino	G04A	Oregon,U.S.A.	45.2059N	122.4784W	272	From 2005-11-09 to 2008-11-12
Mullan	MUL	Idaho,U.S.A.	47.4617N	115.7820W	1300	From 1968-01-01
Mullinville	S31A	Kansas,U.S.A.	37.6193N	99.4845W	700	From 2009-04-14 to 2011-03-10
Mull of Kintyre	GMK	Scotland,United Kingdom	55.3459N	5.5936W	160	From 1989-01-01
Mullumbimby High School	AUMUL	New South Wales,Australia	28.5600S	153.0400E	60	From 2013-06-24
Multi FST (Faido)	MFSFA	Switzerland	46.5004N	8.8080E	427	From 2005-12-15
Multi FST (Faido)	MFSFB	Switzerland	46.5055N	8.8045E	441	From 2005-12-15
Mulungwishi	MLN	Democratic Republic of the Congo	10.7833S	26.6250E	1200	From 1970-11-30 to 1976-12-31
Mummy Mountain	MMA	Arizona,U.S.A.	33.5544N	111.9580W	426	From 1971-05-17 to 1973-01-18
Munchique	MUNC	Colombia	2.4693N	76.9569W	3007	From 1994-01-01
Muncho Lake	MUB	British Columbia,Canada	58.9550N	125.7570W	1100	
Mundaring	MUN	Western Australia,Australia	31.9783S	116.2080E	253	From 1959-07-31 to 2008-04-21
Mungyeong	KSMGY	Republic of Korea	36.6552N	128.0608E	209	From 2006-12-30
Mungyeong	KSMUG	Republic of Korea	36.6213N	128.1506E	170	From 2000-02-23 to 2006-12-30
Munich	MNH	Bayern,Germany	48.1500N	11.6000E	528	From 1905-01-01 to 1943-12-31
Municipio Quitumbe	QUTE	Ecuador	0.2963S	78.5480W	2917	From 2017-04-26
Munigi	MUNI	Democratic Republic of the Congo	1.6258S	29.2553E	1722	From 2016-10-01 to 2022-07-01
munnae	PMNM	Republic of Korea	34.5900N	126.3100E	65	From 2020-05-06
Munster	MWG	Nordrhein-Westfalen,Germany	51.9627N	7.6241E	58	
Muntele Rosu	MLR	Romania	45.4909N	25.9450E	1360	
Muntenesti	MNTR	Romania	46.7585N	27.5295E	286	From 2020-11-02
Munyeodo	MNYD	Republic of Korea	35.8043N	126.4242E	55	From 2015-10-01
Muong La station	MLAV	Vietnam	22.0392N	103.1550E	205	From 2010-01-01
Muotathal	MUO	Switzerland	46.9676N	8.6371E	1920	From 1981-11-24
Murafatepe	MRFT	Turkey	40.5036N	33.4547E	1500	From 1992-01-01 to 1992-07-31
Murandin	DMUR	Italy	45.9490N	10.6028E	720	From 2017-10-30
Muratlı, Tekirda	MURA	Turkey	41.1509N	27.4858E	107	From 2019-12-06
Muraz-Klaeranlage	SMUK	Switzerland	46.2863N	6.9406E	388	From 2006-04-03
Muraz-Reservoire	SMUR	Switzerland	46.2772N	6.9205E	480	From 2006-04-03
Murchison	MCASZ	South Island	41.7999S	172.3280E	150	
Murefte	MFT	Turkey	40.7867N	27.2812E	924	From 1978-10-01
Murfatlar	MFTR	Romania	44.1779N	28.4224E	98	From 2012-11-12
Murgab	MUP	Tajikistan	38.1200N	73.9500E	3800	From 1947-01-01 to 1993-01-01
Murgab	MUR	Tajikistan	38.3667N	73.9333E	3860	
Murgab	MURGB	Tajikistan	38.2547N	74.0583E	3728	From 2022-08-01
Muriti-CE	NBMA	Ceara,Brazil	7.3654S	38.7641W	437	
Muro Lucano	MRLC	Italy	40.7564N	15.4889E	605	
Muro Lucano (Serra Campolungo)	SCL3	Italy	40.6951N	15.5114E	744	
Muro Lucano (Varco Staccarino)	VDS3	Italy	40.7408N	15.4270E	1154	
Muroran	MRR	Iburi,Japan	42.3100N	140.9817E	43	From 1923-06-01
Muroran 2	MRRJ	Iburi,Japan	42.4250N	141.0720E	-15	
Murotomisaki	MRT	Kochi,Japan	33.2483N	134.1800E	186	
Muroto Misaki	MRMJ	Kochi,Japan	33.2444N	134.1805E	10	From 1995-05-31
Murotomisaki 2	MRT2	Kochi,Japan	33.3863N	134.1432E	200	From 1994-01-27
Murphy	W52A	North Carolina,U.S.A.	35.0935N	83.9277W	519	From 2012-04-15
Murphy	MYNC	North Carolina,U.S.A.	35.0739N	84.1279W	550	
Murphy Dome	MDM	Alaska,U.S.A.	64.9588N	148.2300W	634	From 1990-02-16
Murphy's Point	MPPO	Ontario,Canada	44.7700N	76.2648W	143	
Murray Bridge High School	AUMBR	South Australia	35.1340S	139.2859E	50	From 2016-06-20
Murrieta	MURC	California,U.S.A.	33.6000N	117.1954W	562	From 2005-07-25
Murupara	MUGZ	North Island,New Zealand	38.4771S	176.7705E	337	From 2011-03-29
Murzuk	LUMB	Libya	26.1382N	14.7520E	474	
Musan	KSMUS	Republic of Korea	37.8881N	126.7594E	40	From 2002-10-19
Musanze	MUSZ	Rwanda	1.4570S	29.5828E	2182	From 2019-06-07
Museo Storico della Fanteria Santa Croce in Gerusalemme, Roma	MR05	Italy	41.8896N	12.5160E	50	From 2021-01-18 to 2021-04-06
Mushaki	MUSK	Democratic Republic of the Congo	1.5364S	28.9945E	2075	From 2017-06-23 to 2022-07-01
Mushullacta	MUSH	Ecuador	1.7147S	77.8392W	1010	From 1995-10-06
Musihges	OG34	Rhone-Alpes,France	46.0113N	5.9600E	445	From 2002-08-06
Musina, Limpopo	MUSN	South Africa	22.2878S	29.8600E	592	From 2016-06-10
Muskil	MSKL	Orissa	20.2140N	83.8870E	549	From 2017-09-09
Muskinabad	MUS	Tajikistan	38.6833N	69.6000E		
Mu-Merkez	MUSM	Turkey	38.7240N	41.5118E	1357	From 2013-03-21
Musomishta	MMB	Bulgaria	41.5470N	23.7495E	632	From 1983-08-01
Musselwhite Mine	MUMO	Ontario,Canada	52.6128N	90.3914W	316	
Musuan	BUKP	Mindanao,Philippines	7.8790N	125.0620E	471	
Mutare	MUZ	Zimbabwe	18.9950S	32.6267E	0	
Mutkov	MUTC	Czech Republic	49.7990N	17.2837E	614	
Mutkov	MUVC	Czech Republic	49.8002N	17.2782E	636	From 2013-07-01
Mutnovka	MTVR	Kamchatskaya Oblast',Russia	52.4830N	158.1830E	1394	From 2008-12-23
Mutnovskaya	MTNS	Kamchatskaya Oblast',Russia	52.5200N	158.1900E	837	From 1983-09-01 to 1983-09-30
MUTRE	MUTR	Ecuador	0.7609S	80.2672W	26	From 2016-05-10
Mutribah	MIB	Kuwait	29.8032N	47.3388E	125	
Muttenz, alter Steinbruch Paradies / Bunker	MUTEZ	Germany	47.5065N	7.6488E	432	
Muttenz-Waldhaus	SMZW	Switzerland	47.5476N	7.6473E	272	From 1996-12-13
Mutton Hole Station, Normanton	NTNOZ	Queensland	17.6278S	141.1853E	3	From 2018-11-30
Muzaffarabad	MUZF	Jammu and Kashmir,India	34.3600N	73.4900E	1165	From 2006-06-15
Muzera	MZR	Abu Dhabi,United Arab Emirates	23.0024N	53.4794E	300	
Muzquiz	MCIG	Coahuila	27.8771N	101.4836W	483	From 2015-02-08
Muzzana del Turgnano (UD)	A300A	Italia	45.8193N	13.1280E	6	From 2015-10-28
MW Ranch, Wilsonville	O30A	Nebraska,U.S.A.	40.1791N	100.0571W	751	From 2009-05-29 to 2011-04-04
Myakit	MYAS	Magadanskaya Oblast',Russia	61.4070N	152.0930E	670	
Myeonon	PYCA	Republic of Korea	37.5620N	128.3778E	557	From 2015-09-30
Myers Farm, Uniontown	E10A	Washington,U.S.A.	46.4850N	117.1102W	903	From 2006-09-28 to 2008-06-20
Myklebust	N2B2	Norway	61.7210N	5.1780E	25	
Mylavaram	MYLAV	India	16.7490N	80.6340E	63	
Mylor	MYLR	South Australia,Australia	35.0448S	138.7537E	385	From 2012-04-16
Myndd Eilian	WME	Wales,United Kingdom	53.3966N	4.3034W	130	From 1985-01-01
Myokensan	MYO	Osaka,Japan	34.9254N	135.4705E	640	
Myponga	MYP	South Australia,Australia	35.4436S	138.4162E	150	From 2006-04-01
Myra Falls	MYRA	British Columbia,Canada	49.5510N	125.5705W	632	From 2018-10-26
Myrtle Point	J01D	Oregon,U.S.A.	43.1614N	123.9314W	131	From 2010-08-06 to 2012-10-03
Myrtle Point	J01E	Oregon,U.S.A.	43.1615N	123.9314W	128	From 2012-10-10
Myrviken	MYV	Sweden	62.9417N	14.3467E	345	From 1981-12-15
Myrvik Farm, Edmore	B30A	North Dakota,U.S.A.	48.4505N	98.3286W	480	From 2009-08-18 to 2011-07-18
Mys Kozlova	MKZ	Kamchatskaya Oblast',Russia	54.5561N	161.7300E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mys Kronotskii	KRCS	Kamchatskaya Oblast',Russia	54.7550N	162.1300E	89	
Mysliborice	MYDU	Czech Republic	49.1210N	15.9501E	501	From 2013-11-13
Myslowice	PL26A	Poland	50.1902N	19.1738E	260	From 2019-10-17
Mys Shipunski	SPN	Kamchatskaya Oblast',Russia	53.0980N	160.0230E	170	
Mys Shultsa	MSHR	Primorskiy Kray,Russia	42.5800N	131.1570E	84	From 2008-10-01
Mythimna/Molyvos (Lesvos)	LES5	Greece	39.3664N	26.1798E	32	From 2023-10-13
Mytilini	MYT1	Greece	39.0850N	26.5694E	45	From 2014-10-15
Mzuzu	MZM	Malawi	11.4252S	34.0057E	1273	
Mzuzu	MZM2	Malawi	11.4252S	34.0057E	1265	From 2010-08-23
N01	N01	East of Mariana Islands	17.8704N	146.3904E	-3270	
N02	N02	East of Mariana Islands	17.8692N	146.5697E	-3494	
N03	N03	East of Mariana Islands	17.8687N	146.7584E	-3350	
N04	N04	East of Mariana Islands	17.8677N	146.9347E	-3462	
N05	N05	East of Mariana Islands	17.8665N	147.1408E	-3839	
N06	N06	East of Mariana Islands	17.8650N	147.3295E	-4063	
N07	N07	East of Mariana Islands	17.8634N	147.5323E	-4665	
N08	N08	East of Mariana Islands	17.8618N	147.7116E	-5170	
N09L	N09L	East of Mariana Islands	17.8596N	147.9008E	-5446	
N10	N10L	East of Mariana Islands	17.8581N	148.0890E	-4962	
N11L	N11L	East of Mariana Islands	17.8556N	148.2799E	-5450	
N12	N12L	East of Mariana Islands	17.8531N	148.4710E	-4892	
N13	N13L	East of Mariana Islands	17.8507N	148.6597E	-4975	
N14	N14L	East of Mariana Islands	17.8480N	148.8484E	-4890	
N15	N15	East of Mariana Islands	17.8452N	149.0323E	-5073	
N 15th Street San Jose	C037	California,U.S.A.	37.3552N	121.8849W	22	From 2010-04-29 to 2010-08-18
N16	N16	East of Mariana Islands	17.8420N	149.2257E	-5461	
N 16th Street San Jose	C046	California,U.S.A.	37.3536N	121.8825W	7	From 2010-08-18
N18	N18	East of Mariana Islands	17.8349N	149.6034E	-5090	
N19	N19	East of Mariana Islands	17.8312N	149.7916E	-5040	
N20	N20	East of Mariana Islands	17.8273N	149.9802E	-5144	
N23	N23	Nevada,U.S.A.	37.3013N	116.6160W	1838	
N3440 Road, Meeker	OK020	Oklahoma,U.S.A.	35.5375N	96.8768W	267	
N3530 Road, Sparks	OK021	Oklahoma,U.S.A.	35.6023N	96.7184W	259	
N3560 Road, Prague	OK022	Oklahoma,U.S.A.	35.5368N	96.6649W	272	
Naaghedeneel	I20K	Alaska,U.S.A.	64.7962N	154.4783W	75	From 2017-06-10
Naalehu	NAA	Hawaii,U.S.A.	19.0633N	155.5870W	205	From 1958-01-01 to 1969-01-01
Naama	NAAM	Israel	31.9067N	35.4666E	-160	From 2018-02-20
NAB1	NAB1	Eritrea	13.3873N	41.6553E	1340	
NAB2	NAB2	Eritrea	13.4285N	41.7148E	1177	
NAB3	NAB3	Eritrea	13.3758N	41.7548E	1279	
NAB4	NAB4	Eritrea	13.4787N	41.6787E	693	
NAB5	NAB5	Eritrea	13.3150N	41.7082E	1272	
NAB8	NAB8	Eritrea	13.3348N	41.7982E	655	
Nabesna, AK	M26K	Alaska,U.S.A.	62.4013N	142.9963W	888	From 2015-07-12
Nabeyama	NABD	Kagoshima,Japan	31.4875N	130.7753E	340	
Nabire	NABI	Irian Jaya,Indonesia	3.3269S	135.2403E	0	
Naboro	NAF	Fiji	18.1203S	178.3008E	183	From 1979-10-01 to 1983-04-30
Naches	NAC	Washington,U.S.A.	46.7344N	120.8260W	738	
Nachiki	NCHK	Kamchatskaya Oblast',Russia	53.1202N	157.7602E	465	From 2013-12-05
Naciones Unidas	R1628	Managua,Nicaragua	12.1013N	86.2269W	130	From 2018-03-02 to 2019-02-28
Nacogdoches	NATX	Texas,U.S.A.	31.7598N	94.6610W	168	From 2004-05-13
Nacozari, Sonora	NZIG	Sonora	30.3730N	109.5542W	1549	
N Adams	L48A	Michigan,U.S.A.	41.9438N	84.4329W	369	From 2012-07-21
Naden	NDB	British Columbia,Canada	53.9550N	132.9420W	686	
Nadi	NDF	Fiji	17.7569S	177.4500E	30	From 1971-08-05
Nadzab	NADZ	Papua New Guinea	6.5778S	146.7130E	65	
Naecho	NACA	Republic of Korea	35.9505N	126.5910E	20	From 2018-03-09
Naechon	NCNA	Republic of Korea	37.8197N	128.0919E	253	From 2018-03-09
Naegeli Ranch, Trout Creek	C12B	Montana,U.S.A.	47.7092N	115.4750W	801	From 2007-08-27 to 2009-08-02
Naemyeon	NAMB	Republic of Korea	37.7711N	128.3863E	556	From 2018-03-09
NAFE	NAFE	France	47.2190N	1.5540W	10	
Nafpaktos	NAFS	Greece	38.3699N	21.7813E	5	From 2018-09-22
NAFPAKTOS	NFP	Greece	38.4170N	21.8590E	280	From 2006-01-06
Nafplio	NPLA	Greece	37.5656N	22.7997E	10	
Naft Sefid	AMIS	Iran	31.6653N	49.2866E	442	
Nagahama	JNA	Ehime,Japan	33.5572N	132.4787E	230	
Nagai Island	NAGA	Alaska,U.S.A.	54.9783N	160.1383W	305	From 1996-07-01
Nagai Island	NGI	Alaska,U.S.A.	55.0393N	160.0692W	240	
Nagano	NGN	Nagano,Japan	36.6600N	138.1950E	419	
Nagara	JCN	Chiba,Japan	35.4183N	140.2017E	40	
Nagarjunasagar	NJS	Andhra Pradesh,India	16.5541N	79.3060E	189	From 2008-09-01
Nagarote	BC86	Nicaragua	12.2642N	86.5641W	84	From 2014-04-15 to 2019-07-16
Nagasaki	NGS	Nagasaki,Japan	32.7317N	129.8700E	24	
Nagasakinomozaki	NGSJ	Nagasaki,Japan	32.6327N	129.7987E	20	From 1992-04-25
Nagatsuro	NGT	Shizuoka,Japan	34.6000N	138.8470E	55	
Na-gawa	NGJ	Nagano,Japan	36.1330N	137.7208E	858	
Nage Dongri, Xizang Zizhiqu	RC14	Xizang Zizhiqu,China	29.4972N	86.4373E	4756	From 2002-07-14 to 2002-10-28
Nageezi	U21A	New Mexico,U.S.A.	36.4277N	107.6578W	2124	From 2008-05-23 to 2010-02-07
Naghade .Az. Gharbi	NGD1	Iran	36.9456N	45.4128E	1320	From 2017-05-16
Nago	NGO1	Ryukyu Islands,Japan	26.5900N	127.9683E	6	From 1987-07-01
Nago	NGO	Ryukyu Islands,Japan	26.5950N	127.9730E	7	From 1974-07-01
Nago	NAGO	Ryukyu Islands,Japan	26.0000N	128.1000E		
Nagold	NAGL	Baden-Wurttemberg	48.5500N	8.6900E	563	From 2022-01-01
Nagor	NGOR	Gujarat,India	23.3100N	69.7300E	170	From 2012-01-01
Nagornyi	NGRS	Sakha,Russia	55.9200N	124.9700E	920	
Nagotoyohara	JNTH	Ryukyu Islands,Japan	26.5185N	128.0222E	46	From 2010-02-01
Nagoya	NAG	Aichi,Japan	35.1650N	136.9680E	56	
Nagpur	NGP	Maharashtra,India	21.1699N	79.0509E	355	
NAGRA Drilling, Truellikon, ZH	NDTR1	Switzerland	47.6326N	8.7109E	471	From 2019-02-14
Nagua	NADR	Dominican Republic	19.3541N	69.8561W	4	From 2010-01-30
Nagua	NAG1	Dominican Republic	19.3536N	69.8651W	14	From 2013-09-12
Nagutskaya	NAGR	Stavropol'skiy Kray,Russia	44.4472N	42.7614E	580	
Nagyer	NGRH	Hungary	46.3704N	20.7332E	101	From 2013-02-12 to 2013-02-25
Naha	NAH1	Ryukyu Islands,Japan	26.2033N	127.6900E	21	From 1987-02-01
Naha	NAH	Ryukyu Islands,Japan	26.2167N	127.6833E	11	
Nahal Hemdat	HMDT	Israel	32.2530N	35.5260E	151	From 1991-05-01
Nahampoana Res	FOMA	Madagascar	24.9756S	46.9788E	26	From 2008-09-01
Nahan	NHN	Himachal Pradesh,India	30.5269N	77.2712E	610	From 2007-05-01
Nahanni Butte	NAHA	Yukon Territory,Canada	61.0311N	123.3902W	154	
Nahavand	HNVD	Iran	34.3154N	48.2606E	1642	From 2021-03-15
NAHD	NAHD	Egypt	23.8022N	32.7781E	244	
Nahmakanta, Browneville	F63A	Maine,U.S.A.	45.7030N	69.1029W	386	From 2013-09-24
Nahshon	NAHO	Israel	31.8330N	34.9470E	0	From 1996-03-01 to 1997-02-28
Naiba	NAYS	Sakha,Russia	70.8500N	130.7300E	5	From 1985-01-01 to 2000-11-01
Nailongxiang, Xizang Zizhiqu	NAIL	Xizang Zizhiqu,China	28.6597N	86.4127E	4378	From 2002-06-26 to 2002-11-03
Nain	NINL	Newfoundland	56.5374N	61.6882W	38	From 2019-10-08
Nain	NANL	Newfoundland,Canada	56.5371N	61.6884W	34	From 2011-07-24
Na'in	NASN	Iran	32.7990N	52.8080E	2800	From 1998-03-28
Nairobi	NAKO	Kenya	1.2739S	36.8037E	1692	
Nairobi	NBI	Kenya	1.2700S	36.8000E	1713	
Nairobi	NAI	Kenya	1.2739S	36.8037E	1692	From 1963-06-14
NAIROBI INFRASONIC ARRAY REFERENCE POINT	B2KE	Kenya	1.2422S	36.8272E	1662	From 2003-06-17
NAJAFGARH	NJFR	Delhi	28.5620N	76.9150E	218	From 2017-12-22
Najafi	NJFI	Iran	36.2820N	59.5028E	1187	From 2003-03-05
Najran	NJRNS	Saudi Arabia	17.6521N	44.1923E	1593	
Najran	NAJS	Saudi Arabia	17.5034N	44.2847E	1310	
Naju	KSNAJ	Republic of Korea	35.0261N	126.8264E	68	From 2006-12-30
Nakagawa	TNKJ	Hokkaido,Japan	44.7757N	142.0832E	60	
Nakaizu	JIZ	Yamanashi,Japan	34.9129N	138.9968E	263	
Na'kalak'ari	NKK	Georgia,Georgia	41.9300N	45.0200E	1000	
Nakama	JJN	Niigata,Japan	37.1030N	138.1630E	140	
Nakano	NNJ	Nagano,Japan	36.7486N	138.3850E	420	From 1968-07-01 to 1973-03-31
Nakanohara	NKR	Hiroshima,Japan	34.9419N	132.8240E	391	From 1970-12-18
Nakanosawa	NSW	Nagano,Japan	36.4006N	138.5697E	1381	
Nakanoshima	JNN	Ryukyu Islands,Japan	29.8412N	129.8747E	240	
Nakash	JNK	Nemuro,Japan	43.5853N	144.7190E	220	
Nakatsue	JNU	Oita,Japan	33.1217N	130.8783E	540	
Nakauka	NAKD	Uganda	0.1687N	32.4373E	1234	
Nakayama Pass	NKS	Shiribeshi,Japan	42.8295N	141.0160E	420	From 1977-11-10 to 1978-08-20

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Nakchu	DONG	Xizang Zizhiqu,China	31.9789N	90.9127E	4610	From 1998-07-30 to 1999-05-27
Nake	NKE	Ryukyu Islands,Japan	28.3833N	129.5000E		
Nake (Tuamotu)	NAE	Tuamotu,French Polynesia	18.4236S	140.6690W	2	From 1976-01-01
Nakhchivan	NAX	Azerbaijan	39.1740N	45.4950E	927	From 2003-08-01
Nakhl	HNKL	Egypt	29.9293N	33.9804E	455	
Nakhla	NKM	Morocco	35.4481N	5.4100W	158	From 1973-10-01
Nakhon Sawan	NST	Thailand	15.6727N	100.1330E	34	From 1982-09-01
Nakina Ontario	NANO	Ontario,Canada	50.3543N	86.9684W	309	From 2005-08-04
Nakina River	Q32M	British Columbia,Canada	58.9601N	132.2691W	1951	From 2016-07-24
Nakonayok	NAYO	Thailand	14.3152N	101.3209E	106	
Nakonsritamarat	SRIT	Thailand	8.5955N	99.6020E	58	
Nakornpanom	PANO	Thailand	17.1476N	104.6122E	135	
Nalchik	NCK	Russia	43.4955N	43.5956E	500	From 2006-07-24
Nalgonda	NLG	Andhra Pradesh,India	17.0669N	79.2672E	220	From 1974-04-01
Nalia	NALI	Gujarat,India	23.1529N	68.5002E	21	From 2012-01-01
Naliya	NALA	Gujarat	23.2580N	68.8340E	27	
Nallíhan	NAL	Turkey	40.2094N	31.3092E	1390	From 1991-01-01 to 1998-09-30
Naloucany	NADU	Czech Republic	49.2441N	16.1270E	398	From 2014-01-31
Nalychevo	NALY	Kamchatskaya Oblast',Russia	53.4600N	158.8400E	520	From 1968-06-02 to 1970-01-01
Nalytchevo	NLC	Kamchatskaya Oblast',Russia	53.1711N	159.3450E	20	
Namangan	NAM	Uzbekistan	40.9911N	71.6587E	432	From 1951-01-01
Namanyere	MIKU	Tanzania,United Republic of Tanzania	7.5095S	31.0413E	1545	
Namatanai	NAMA	Papua New Guinea	3.6653S	152.4416E	5	From 1997-10-24
Namche Bazar	NAMC	Nepal	27.8027N	86.7147E	3523	From 2001-10-21 to 2002-10-18
Namhae	KSNAH	Republic of Korea	34.8166N	127.9264E	40	From 2002-10-31
Namlea	NLAI	Ambon,Indonesia	3.2390S	127.0998E	0	From 2007-12-01
Namosi	NMS	Fiji	18.0842S	178.1650E	534	From 1979-10-01
Nampula	NPA	Mozambique	15.0875S	39.2533E	374	From 1974-02-10
Namrole, Maluku	NBMI	Indonesia	3.8509S	126.6995E	59	From 2019-01-01
Namsos	NSS	Norway	64.5300N	11.9670E	102	From 1987-02-01
Namu Road	NMEZ	North Island,New Zealand	39.4132S	173.8775E	64	From 2009-04-02
Namwon	NAWB	Republic of Korea	35.4213N	127.3964E	76	From 2012-12-01
Namwon	KSNAW	Republic of Korea	35.4014N	127.3344E	89	From 2000-02-07
Nan	NANT	Thailand	18.8000N	100.7000E	264	From 1995-06-01
Nana	NNA	Peru	11.9873S	76.8422W	575	
Nanahuazin	NANS	El Salvador	13.7150N	89.5092W	1160	
Nanaimo	NAB	British Columbia,Canada	49.2225N	124.0040W	256	From 1982-03-23 to 2004-04-03
Nanaimo Lost Lake,BC	NLLB	British Columbia,Canada	49.2274N	123.9881W	192	From 2003-12-30
Nanao	NANB	Taiwan region	24.4275N	121.7498E	112	From 2003-12-12
Nanao	ENAH	Taiwan region	24.4494N	121.8102E	4	From 2011-01-05
Nanau	ENA	Taiwan region	24.4280N	121.7410E	113	
Nancay - 18159 - Cher - Centre-Val de Loire	SRNF	Centre	47.3814N	2.2042E	122	From 2019-10-21
Nancite Dulce, F6	TUF6	Nicaragua	11.3652N	85.8209W	74	
Nancito, Chiriqui	NANC3	Panama	8.2400N	81.7320W	260	From 2010-01-01
Nancy	T50A	Kentucky,U.S.A.	37.0204N	84.8384W	302	From 2012-05-23
Nandasmo	NANN	Masaya,Nicaragua	11.9390N	86.1213W	327	From 2014-02-09
Nandayure	NYURE	Costa Rica,Costa Rica	9.9960N	85.2530W	88	
Nangan Tayap, Kalimantan Barat	NKKI	Indonesia	1.5605S	110.5671E	69	From 2019-01-01
Nango	JANG	Aomori,Japan	40.3735N	141.5152E	270	
Nanjido	NJDA	Republic of Korea	37.0503N	126.4221E	55	From 2018-03-09
Nanjing	NAN	Jiangsu,China	32.0633N	118.7830E	10	
Nanjing	NJI	Jiangsu,China	32.0633N	118.7830E	10	
Nanjing	NJ2	Jiangsu,China	32.0517N	118.8540E	45	
Nanjuang	NSTT	Taiwan region	24.6310N	121.0010E	164	
Nankipoo	NKT	Tennessee,U.S.A.	35.8500N	89.5540W	153	From 1974-06-26 to 1992-02-29
Nanoose	GHNB	British Columbia,Canada	49.3065N	124.2364W	5	From 2004-11-22
Nanping	NPDK	Taiwan region	26.6150N	118.1880E	180	From 2012-09-13
Nan Shan	NNS	Taiwan region	24.4400N	121.3730E	1140	
Nanshi	CHN1	Taiwan region	23.1850N	120.5280E	360	
Nantou City	WNT1	Taiwan region	23.9068N	120.6798E	115	From 2014-12-11
Nantucket	M66A	Massachusetts,U.S.A.	41.2590N	70.1353W	9	From 2013-09-28
Nantucket	NMA	Massachusetts,U.S.A.	41.2947N	70.0261W	3	
Nanushuk River	D23K	Alaska,U.S.A.	68.9656N	150.6807W	406	From 2016-06-19
Nanutarra	NAU	Western Australia,Australia	22.5442S	115.5000E	80	From 1980-04-19 to 1987-10-21
Nanutarra	NANU	Western Australia,Australia	22.5619S	115.5290E	80	From 1987-10-22 to 1995-02-28
Nanvaranak Lake	J14K	Alaska,U.S.A.	62.7492N	163.5540W	25	From 2017-05-30
Nanwan	SNW	Taiwan region	21.9598N	120.7496E	55	From 2014-08-07
Naoussa	NASA	Greece	40.6311N	22.0671E	350	
Napay	NAP	Uzbekistan	41.7167N	70.1167E		
Napfberg	NAPF	Bayern,Germany	49.8887N	12.0517E	695	
Napier	NPR	North Island,New Zealand	39.4882S	176.9180E	3	From 1953-03-01 to 1955-03-31
Napier Airport	NAAS	North Island,New Zealand	39.4687S	176.8720E	2	From 2012-10-10
Napier Civil Defence	NCDS	North Island,New Zealand	39.4984S	176.8761E	4	From 2002-04-23
Napier Colenso High School	NCHS	North Island,New Zealand	39.5066S	176.8968E	4	From 2002-04-19
Napier Downs, Kimberley	KIM08	Western Australia	17.3229S	124.8078E	119	From 2022-06-01 to 2032-06-01
Napier Girls High School	NGHS	North Island,New Zealand	39.4859S	176.9149E	70	From 1999-08-18
Napier St Pauls	NSPS	North Island,New Zealand	39.4896S	176.9159E	5	From 2004-02-24
Naples	NPL	Italy	40.8467N	14.2578E	7	
Napoleon	E29A	North Dakota,U.S.A.	46.5682N	99.6420W	628	From 2009-08-19 to 2011-06-28
NAPOLI EST	NAD	Italy	40.8717N	14.2800E	146	From 2003-06-06
Napperby	NAPP	South Australia,Australia	33.1828S	138.1478E	181	From 2009-01-01
Naqoura	NAQL	Lebanon	33.1170N	35.1410E	83	From 2008-07-01
Nara	NAR	Nara,Japan	34.6917N	135.8317E	105	
Nara (Leontica)	NARA	Switzerland	46.4603N	8.8981E	1450	From 2005-12-15
Naramoto	NRME	Shizuoka,Japan	34.8266N	139.0645E	200	
Narango	VEBEN	Vanuatu	15.5674S	166.9560E	55	
Naranjal	NARJA	Costa Rica,Costa Rica	9.9720N	85.5437W	576	
Naranjito	LLNJ	Costa Rica,Costa Rica	9.4738N	84.1005W	105	
Naranjito (Quepos)	PINJ	Costa Rica	9.4737N	84.1004W	83	From 2019-12-01
Naranjo de Alajuela	NARAN	Costa Rica,Costa Rica	10.0980N	84.3770W	1059	
Naranjo, NAR	CNAR	Costa Rica	9.5887N	83.9413W	1622	From 2002-10-01 to 2003-03-15
Naratenkawa	JNTK	Nara,Japan	34.2702N	135.8840E	840	From 2012-07-01
Narayananagar	NNR	Himachal Pradesh,India	29.7703N	80.2863E	1651	From 2012-01-01
Nardaran	NDR	Azerbaijan	40.5810N	49.9870E	41	From 2003-08-01
Nardues-Aldunate	YNAR	Spain	42.6375N	1.3672W	740	From 2009-12-11
NAREK	NRKZ	Armenia	40.0000N	44.6600E	1040	From 2013-11-15
Narela	NRLA	India	28.7841N	77.0953E	210	From 2017-12-01
NARELA	NARL	Delhi	28.8530N	77.0910E	210	From 2017-12-01
Nariel	NARM	New South Wales,Australia	36.4302S	147.8448E	550	
Narli-Kahramanmaras	KHMN	Turkey	37.3915N	37.1573E	640	From 2012-11-29
Narlikuyu	NART	Turkey	36.4510N	34.1030E	100	From 1993-01-01
NARMADA NAGAR	NRDN	Madhya Pradesh	22.7190N	77.1670E	292	From 2018-01-31
Narni	NARN	Italy	42.5198N	12.5144E	220	From 2013-09-01
Naroch	NACGM	Belarus	54.9037N	26.7830E	189	From 1979-08-17
Naroch'	NE53	Belarus	54.9040N	26.7930E	189	From 1989-10-01
Narodo	NLDA	Republic of Korea	34.5325N	127.4672E	157	From 2018-03-09
Narrogin	NWA	Western Australia,Australia	32.9270S	117.2340E	365	From 1976-02-13 to 2006-05-29
Narrogin (SRO)	NWAO	Western Australia,Australia	32.9270S	117.2340E	265	From 1976-02-13
Narrow River	NWR	Idaho,U.S.A.	42.0987N	113.4367W	1646	
Narrows	NAV	Virginia,U.S.A.	37.3167N	80.7931W	610	From 1968-01-01 to 2004-09-30
Narsarsuaq	NRS	Greenland	61.1595N	45.4188W	65	
Narshiapallam	NRPL	India	21.4680N	82.7450E	327	From 2018-02-14
Naruja	NARR	Romania	45.8165N	26.7368E	525	From 2023-03-10
Naryn	NRN	Kyrgyzstan	41.4333N	76.0000E	2849	
Nasa	NAS1	Ecuador	0.6335S	78.4775W	3880	From 1993-11-24
Nasa	NAS2	Ecuador	0.6453S	78.4683W	4022	From 2007-08-15
Nasa Cotopaxi	NCE	Ecuador	0.6611S	78.4972W	3821	From 1977-01-01 to 1982-12-31
Nasa Mountain	NMN	Nevada,U.S.A.	37.0808N	116.8181W	1500	From 1978-11-28
Nasaqa	NAS	Fiji	16.5367S	179.2967E	85	From 1964-01-01 to 1969-12-31
Nasera Bomas	NG54	Tanzania	2.7316S	35.3595E	1853	From 2013-01-22 to 2014-12-06
Nasik	NSIK	Maharashtra,India	20.0300N	73.7970E	0	From 1984-05-18
Nassriya	NSR	Iraq	31.0100N	46.1400E	5	From 2009-01-01 to 2015-10-03
Nastanj	TNSJ	Iran	33.9633N	56.6089E	1123	From 2011-08-01
Nasudden	NSD	Sweden	65.1955N	18.8235E		From 1991-01-01
Nata	NATA	Cyprus	34.7789N	32.5699E	381	From 2013-07-01
Natal	NAT	Rio Grande do Norte,Brazil	5.8678S	35.2845W	50	
Natashquan Quebec	NATG	Gulf of St. Lawrence,Canada	50.2872N	62.8102W	-1	From 2005-11-26
Natchez Trace	NAIN	Tennessee,U.S.A.	35.8560N	88.2400W	198	
Natchez Trace	NATN	Tennessee,U.S.A.	35.8560N	88.2400W	198	From 1985-03-27 to 1987-05-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Naters, Zentrum Missione, V	SNTZ	Switzerland	46.3259N	7.9907E	678	From 2016-11-21
Nathian	NAT1	Pakistan	34.3460N	72.3900E	650	From 1973-08-23
Nathian	NTP	Pakistan	34.3272N	72.3858E	686	
National Central University	NCU	Taiwan region	24.9700N	121.1870E	134	
National Guard	NGH	Hawaii,U.S.A.	19.7020N	155.0290W	18	
National Taiwan Ocean University, Keelung City	TNOU	Taiwan region	25.1500N	121.7730E	50	From 1999-08-04
Nativ Hagedud	NTGD	Israel	31.9916N	35.4453E	-231	From 2019-07-05
Natividade	NATB	Brazil	21.0550S	42.0040W		
Natividade	NTVB	Tocantins	11.7105S	47.6801W	347	From 2017-04-18
Natividade - TO	NTVD	Tocantins,Brazil	11.7106S	47.6801W	349	From 2011-06-25 to 2013-02-22
Natogelaende Bechhofen	A368A	Germany	49.1259N	10.5467E	529	From 2015-12-01
Natroun	HNAT	Egypt	29.6329N	30.6172E	266	
Nattai	NATM	New South Wales,Australia	34.2061S	150.4267E	632	
Natural Bridge	YNB	Wyoming,U.S.A.	44.5245N	110.4590W	2390	
Natural Bridge	S56A	Virginia,U.S.A.	37.6771N	79.5662W	449	From 2013-04-03
Natural Harvest Farm, Hartford	J43A	Wisconsin,U.S.A.	43.3808N	88.4185W	322	From 2011-10-12 to 2013-06-11
Natural Resources Authority	JSOJ	Jordan	31.9570N	35.8460E	926	
Naumai	NMHZ	North Island,New Zealand	39.0971S	176.8065E	864	From 2008-02-13
Nausori Highlands	NHF	Fiji	17.8083S	177.5967E	518	From 1964-01-01 to 1969-12-31
Navajo Lake, Ignacio	T21A	New Mexico,U.S.A.	36.9914N	107.5342W	2006	From 2008-05-24 to 2009-11-19
Navajo Res., Navajo Mountain	T17A	Arizona,U.S.A.	36.9969N	110.8041W	1876	From 2007-07-30 to 2009-03-04
Navarro Ridge	GNAM	California,U.S.A.	39.1975N	123.6310W	344	
Navidad	NAVD	Valparaiso,Chile	33.9508S	71.8328W	16	
Navojoa	NE80	Sonora	26.9150N	109.2300W	183	From 2012-03-09
Naxcivan	NAK	Azerbaijan	39.2050N	45.4150E	887	From 1951-01-01
Naxos Island	NAX1	Greece	37.1014N	25.3742E	0	From 2012-09-01
Nayobi Boma	PR53	Tanzania	2.8538S	35.8354E	2508	From 2013-01-21 to 2014-12-05
Naypyitaw	NPW	Myanmar	19.7785N	96.1376E	156	From 2016-10-18
Nazarbek	NZBK	Uzbekistan	41.2216N	69.1169E	386	
Naze	NZJ	Ryukyu Islands,Japan	28.3767N	129.4980E	4	From 1973-04-01
Nazilli-Aydin	NAZL	Turkey	37.9641N	28.2922E	510	From 2018-05-04
Nazlini	NL-AZ	Arizona,U.S.A.	35.9014N	109.5694W	1768	From 1964-03-31 to 1965-01-25
Nazlini	NL2AZ	Arizona,U.S.A.	35.8069N	109.6286W	1920	
Nazlini	NL-	Arizona,U.S.A.	35.9014N	109.5694W	1768	From 1964-03-31 to 1965-01-25
Nazlini	NL2	Arizona,U.S.A.	35.8069N	109.6290W	1920	From 1965-02-10 to 1965-10-04
Nazwa, Dubai	NAZ	United Arab Emirates	24.9884N	55.6618E	199	From 2006-05-24
NC01	NC01	Nicaragua	11.1870N	85.5080W	30	From 2005-11-01 to 2006-07-01
NC02	NC02	Nicaragua	11.4820N	85.5100W	154	From 2005-11-01 to 2006-07-01
NC03	NC03	Nicaragua	11.2890N	85.6770W	15	From 2005-11-01 to 2006-07-01
NC05	NC05	Nicaragua	11.1162N	85.7175W	37	From 2005-11-01 to 2006-07-01
NC06	NC06	Nicaragua	11.1600N	85.8010W	60	From 2005-11-01 to 2006-07-01
NC08	NC08	Nicaragua	11.4820N	85.8150W	60	From 2005-11-01 to 2006-07-01
NC09	NC09	Nicaragua	11.2830N	85.8790W	90	From 2005-11-01 to 2006-07-01
NC10	NC10	Nicaragua	11.6680N	85.8710W	0	From 2005-11-01 to 2006-07-01
NC11	NC11	Nicaragua	11.4380N	85.9250W	130	From 2005-11-01 to 2006-07-01
NC12	NC12	Nicaragua	11.3890N	86.0100W	30	From 2005-11-01 to 2006-07-01
NC13	NC13	Nicaragua	11.7200N	86.0050W	0	From 2005-11-01 to 2006-07-01
NC15	NC15	Nicaragua	11.4800N	86.1210W	10	From 2005-11-01 to 2006-07-01
NC16	NC16	Nicaragua	11.6970N	86.1040W	210	From 2005-11-01 to 2006-07-01
NC18	NC18	Nicaragua	11.7360N	86.1980W	80	From 2005-11-01 to 2006-07-01
NC19	NC19	Nicaragua	11.6530N	86.3580W	0	From 2005-11-01 to 2006-07-01
NC20	NC20	Nicaragua	11.7620N	86.3590W	127	From 2005-11-01 to 2006-07-01
Ndonga, CM08	ACM08	Cameroon	3.9090N	9.8630E	46	
NE201	NE201	Botswana,Botswana	24.5154S	23.9328E	980	
NE202	NE202	Botswana,Botswana	24.1135S	21.7823E	1153	
NE203	NE203	Botswana,Botswana	22.9931S	20.1956E	1313	
NE204	NE204	Botswana,Botswana	18.5396S	21.3382E	1060	
NE205	NE205	Botswana,Botswana	18.6209S	23.5005E	961	
NE206	NE206	Botswana,Botswana	17.8002S	25.1619E	1006	
NE207	NE207	Botswana,Botswana	19.5310S	21.1788E	1094	
NE208	NE208	Botswana,Botswana	21.9464S	25.4469E	1083	
NE209	NE209	Botswana,Botswana	21.4035S	23.7718E	1005	
NE210	NE210	Botswana,Botswana	21.3619S	21.2157E	1198	
NE211	NE211	Botswana,Botswana	22.8538S	22.2068E	1153	
NE212	NE212	Botswana,Botswana	23.3804S	24.6608E	1038	
NE213	NE213	Botswana,Botswana	25.4755S	22.8573E	1030	
NE214	NE214	Botswana,Botswana	19.3892S	22.1625E	985	
NE215	NE215	Botswana,Botswana	18.7810S	25.1964E	1035	
NE216	NE216	Botswana,Botswana	20.1957S	24.5372E	956	
NE217	NE217	Botswana,Botswana	21.0997S	27.3342E	1047	
NE218	NE218	Botswana,Botswana	20.5629S	26.2178E	941	
NE219	NE219	Botswana,Botswana	22.5697S	27.4468E	911	
NE220	NE220	Botswana,Botswana	23.3630S	25.8596E	1020	
NE221	NE221	Botswana,Botswana	25.8118S	24.8009E	1158	
Nea_Anchialos	AGXA	Greece	39.2765N	22.8205E	2	
Nea Chora Chania	ABEA	Crete	35.5163N	24.0114E	9	From 2015-06-01
Neah Bay	NBW	Washington,U.S.A.	48.4000N	124.7000W		
Nea Herakleia	NHR1	Greece	41.1840N	23.2806E	60	From 2008-10-01
Nea Ionia, Volos	VOL3	Greece	39.3740N	22.9354E	26	From 2011-06-01
Nea Kammeni, Santorini	SNT5	Greece	36.4037N	25.3953E	124	From 2014-04-24
Neapolis	NPS	Crete,Greece	35.2625N	25.6125E	370	From 1973-07-01
Neapolis Laconias	NPS1	Greece	36.5126N	23.0623E	10	From 2011-09-15
Near Bada	BODY	Saudi Arabia	28.3560N	35.1320E		
Near Lassiter	DY5	Tennessee,U.S.A.	36.3247N	89.3621W	134	From 1970-01-01 to 1972-12-31
Near Potsdam	CHIP	New York,U.S.A.	44.7980N	75.1950W	97	
Near Sharaf	MATS	Saudi Arabia	28.7140N	35.0800E		From 1993-07-01 to 1999-08-25
Nbias	FNEB	Midi-Pyrenees,France	42.9042N	2.1079E	578	From 2007-07-01
Nebitdag	NBD	Turkmenistan	39.5100N	54.3830E	15	
Nebo	V54A	North Carolina,U.S.A.	35.7771N	81.9478W	448	From 2013-02-18
NECsaids, EN01	EN01	Jilin	42.9700N	131.0100E	163	
NECsaids, EN02	EN02	Jilin	42.9300N	129.8800E	376	
NECsaids, EN03	EN03	Jilin	42.4000N	129.5500E	339	
NECsaids, EN04	EN04	Jilin	41.7500N	126.8400E	332	
NECsaids, EN05	EN05	Jilin	42.7400N	125.6300E	398	
NECsaids, EN06	EN06	Heilongjiang	43.8300N	131.2100E	207	
NECsaids, EN07	EN07	Jilin	43.7400N	129.7600E	382	
NECsaids, EN08	EN08	Heilongjiang	44.0500N	128.6500E	463	
NECsaids, EN09	EN09	Jilin	43.9100N	127.7100E	375	
NECsaids, EN10	EN10	Heilongjiang	44.5600N	131.1100E	545	
NECsaids, EN11	EN11	Heilongjiang	44.5000N	129.9100E	521	
NECsaids, EN12	EN12	Jilin	44.3900N	127.1300E	269	
NECsaids, EN13	EN13	Jilin	44.4600N	126.3500E	189	
NECsaids, EN14	EN14	Heilongjiang	45.0500N	131.2100E	278	
NECsaids, EN16	EN16	Heilongjiang	44.9400N	128.0900E	282	
NECsaids, EN17	EN17	Jilin	45.1200N	126.3600E	162	
NECsaids, EN18	EN18	Heilongjiang	45.2500N	127.9100E	236	
NECsaids, EN19	EN19	Heilongjiang	45.6200N	129.5900E	350	
NECsaids, EN20	EN20	Jilin	42.6400N	128.9700E	673	
NECsaids, EN21	EN21	Jilin	42.8600N	128.3300E	567	
NECsaids, EN22	EN22	Jilin	42.7900N	127.7900E	527	
NECsaids, EN23	EN23	Jilin	43.9500N	123.9700E	205	
NECsaids, EW01	EW01	Jilin	43.2700N	131.0600E	326	
NECsaids, EW03	EW03	Jilin	43.3000N	130.6800E	516	
NECsaids, EW04	EW04	Jilin	43.3400N	130.4300E	664	
NECsaids, EW05	EW05	Jilin	43.3600N	130.1800E	657	
NECsaids, EW06	EW06	Jilin	43.3700N	130.0200E	433	
NECsaids, EW07	EW07	Jilin	43.3600N	129.8400E	344	
NECsaids, EW08	EW08	Jilin	43.4000N	129.4900E	371	
NECsaids, EW09	EW09	Jilin	43.3100N	129.2300E	511	
NECsaids, EW10	EW10	Jilin	43.3000N	129.1100E	526	
NECsaids, EW11	EW11	Jilin	43.3200N	128.9400E	504	
NECsaids, EW12	EW12	Jilin	43.3800N	128.5700E	593	
NECsaids, EW13	EW13	Jilin	43.3900N	128.3700E	506	
NECsaids, EW14	EW14	Jilin	43.3600N	127.8600E	727	
NECsaids, EW15	EW15	Jilin	43.4000N	127.5400E	405	
NECsaids, EW16	EW16	Jilin	43.3900N	127.2400E	343	
NECsaids, EW17	EW17	Jilin	43.4000N	126.8700E	284	
NECsaids, EW18	EW18	Jilin	43.4000N	126.5300E	457	
NECsaids, EW19	EW19	Jilin	43.4100N	126.1800E	313	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
NECsaids, EW20	EW20	Jilin	43.4300N	125.8100E	257	
NECsaids, EW21	EW21	Jilin	43.4300N	125.4700E	376	
NECsaids, EW22	EW22	Jilin	43.4400N	125.1600E	234	
NECsaids, EW23	EW23	Jilin	43.4400N	124.9200E	297	
NECsaids, NS01	NS01	Heilongjiang	45.4100N	130.2900E	371	
NECsaids, NS02	NS02	Heilongjiang	45.1700N	130.5400E	327	
NECsaids, NS04	NS04	Heilongjiang	44.6400N	130.5300E	478	
NECsaids, NS05	NS05	Heilongjiang	44.3900N	130.5500E	648	
NECsaids, NS06	NS06	Heilongjiang	44.1700N	130.7200E	227	
NECsaids, NS07	NS07	Heilongjiang	43.8700N	130.7700E	263	
NECsaids, NS08	NS08	Heilongjiang	43.7000N	130.7000E	376	
NECsaids, NS09	NS09	Heilongjiang	43.5400N	130.8200E	732	
NECsaids, NS10	NS10	Jilin	43.1200N	130.4100E	299	
NECsaids, NS11	NS11	Jilin	43.0000N	130.4900E	218	
NECsaids, NS12	NS12	Jilin	42.8300N	130.4200E	55	
Nectar Brook	NBK	South Australia,Australia	32.7010S	137.9830E	180	
Nedlands	NDA	Western Australia,Australia	31.9750S	115.8170E	8	
Needles	ND-	California,U.S.A.	34.5992N	115.5514W	366	From 1963-04-17 to 1963-06-07
Needles	NEE	California,U.S.A.	34.8230N	114.5960W	139	From 1993-04-16
Needles	ND-CL	California,U.S.A.	34.5992N	115.5514W	366	From 1963-04-17 to 1963-06-07
Needles Airport, Needles	NEE2	California,U.S.A.	34.7676N	114.6188W	271	From 2006-07-27
Neeritter	NEER	Netherlands	51.1687N	5.7846E	30	From 2006-01-27
Neewiller pres Lauterbourg	NEEW	Alsace	48.9561N	8.1046E	168	From 2016-01-01
Negara	NJBM	Indonesia	8.3099S	114.6171E	186	From 2020-12-31
Negara	NBBI	Bali,Indonesia	8.3700S	114.6200E	0	
Negar Kerman	NGRK	Iran	29.6440N	56.7304E	3123	From 2010-05-05
Neginohata	NGHE	Shizuoka,Japan	34.8122N	138.8281E	160	
Negor - Chabahar- Iran	NGCH	Iran	25.3587N	61.1364E	45	From 2015-08-10
Negrar, Montecchio	PDN7	Italy	45.5220N	10.9836E	495	From 2021-10-01
Negrea	NEGRR	Romania	45.5373N	27.8771E	143	From 2017-11-01
Negresti	NEGR	Romania	45.5335N	27.8666E	98	From 2013-09-28
Negresti	NGRR	Romania	46.8375N	27.4422E	126	From 2020-11-01
Negril	NEJ	Jamaica	18.2510N	78.3300W	200	From 2002-04-17
Negrine	CNGR	Algeria,Algeria	34.4740N	7.5110E	296	
NEGU Pad	NEG	California,U.S.A.	38.8305N	122.7699W	922	
Nehbandan	NHDN	Iran	31.3928N	60.0502E	1329	From 2013-11-10
Nehoiu	NEHR	Romania	45.4272N	26.2952E	584	From 2014-05-29
Neiba UASD	NEDR	Dominican Republic	18.4835N	71.4180W	42	From 2014-06-25
Neicheng	TWE	Taiwan region	24.7211N	121.6670E	20	From 1975-07-18
Neifu	TWZ	Taiwan region	25.0970N	121.5790E	280	From 1975-01-18 to 1983-11-11
Neils Beach	NSBS	South Island,New Zealand	43.9962S	168.6610E	8	From 2004-06-23
Neilton Lookout	NLWA	Washington,U.S.A.	47.3917N	123.8691W	640	From 2006-07-05
Neipperg	NEI	Baden-Wurttemberg,Germany	49.1083N	9.0417E	268	
Nelchina	NCA	Alaska,U.S.A.	61.9937N	146.8240W	741	From 1986-07-17
Nel'koba	NKB	Magadanskaya Oblast',Russia	61.3370N	148.8100E	531	From 1983-09-01 to 1997-06-14
Nelson	NEN	Nevada,U.S.A.	35.6495N	114.8433W	1326	
Nelson	NNZ	South Island,New Zealand	41.2171S	173.3795E	130	From 2003-08-12
Nelson	V12A	Nevada,U.S.A.	35.7266N	114.8511W	1098	From 2006-06-19 to 2008-10-16
Nelson	NEL	Nevada,U.S.A.	35.7122N	114.8433W	999	From 1963-10-01 to 1981-12-31
Nelson Brightwater	BTWS	South Island,New Zealand	41.3892S	173.1285E	44	From 2002-10-08
Nelson Butte	NLW	Washington,U.S.A.	48.0783N	120.3380W	1490	From 1985-05-01
Nelson Council Building	NCBS	South Island,New Zealand	41.2709S	173.2837E	7	From 2002-10-07
Nelson Hospital	NELH	South Island,New Zealand	41.2878S	173.2742E	52	From 1999-08-04
Nelson Mandela Metropolitan University	NMMU	South Africa	34.0000S	25.6650E	75	From 2016-11-24
Nelson Nelmac	NLMS	South Island,New Zealand	41.2665S	173.2768E	9	From 2002-10-07
Nelsons Funny Farm, Mountain City	U54A	Tennessee,U.S.A.	36.5209N	81.8204W	837	From 2013-02-28
Nelyaty	NLYR	Chitinskaya Oblast',Russia	56.4911N	115.7031E	596	
Nelyaty	NLY	Buryatiya,Russia	56.5036N	115.7022E	596	From 1979-04-01 to 2001-11-28
Nemaska	NEMQ	Quebec,Canada	51.6837N	76.2576W	197	From 2007-08-27
Nemaska Station	NMSQ	Quebec,Canada	51.7133N	76.0237W	275	From 2009-09-12
Nemea	NMA1	Greece	37.8188N	22.6627E	314	From 2011-11-01
Nemuro	NEM	Nemuro,Japan	43.3283N	145.5900E	26	
Nemuro 2	NEM2	Nemuro,Japan	43.3650N	145.7430E	16	From 1992-12-16
Nemuro--Hokkaido University	NMR	Nemuro,Japan	43.3695N	145.7280E	20	
Nemuroshibetsu	JNSB	Nemuro,Japan	43.7756N	145.0046E	97	From 2013-07-01
Nenana	NEA	Alaska,U.S.A.	64.5772N	149.0770W	364	From 1971-10-01
Nenana	NEA2	Alaska,U.S.A.	64.5928N	149.0694W	450	From 2014-06-12
Neno	NENM1	Malawi	15.3971S	34.6531E	864	From 2011-04-29
Neo Chorio, Florina	FNA4	Greece	40.7795N	21.3592E	778	From 2022-02-10 to 2022-05-17
Neochorion	VNE	Greece	39.3119N	23.2322E	692	From 1982-10-01
Neochori, PE05	PE05E	Greece	37.5128N	22.4553E	825	
Neokhori	NEO	Greece	39.3067N	23.2235E	500	From 1988-01-01
Neola	M35A	Iowa,U.S.A.	41.4665N	95.6945W	363	From 2010-06-15 to 2012-04-24
Neo Petritsi, Serres, Greece	GR01	Greece	41.2852N	23.2906E	219	From 2022-09-29
NEOT	NEOT	Israel	30.9820N	35.3860E	-390	From 1986-09-01 to 1988-04-30
Neot Hakikar	NTKR	Israel	30.9342N	35.3759E	-325	From 2018-07-18
NEPTUNE Canada Endeavour node	NCEN	British Columbia,Canada	47.9399N	129.0600W	-2324	From 2009-01-01
NEPTUNE Canada Endeavour West	KEBB	British Columbia,Canada	47.9594N	129.1254W	-2201	From 2009-09-01
NEPTUNE Canada High Rise	NCHR	British Columbia,Canada	47.9741N	129.0819W	-2150	From 2009-01-01
NEPTUNE Canada Main Field	KEMF	British Columbia,Canada	47.9485N	129.0987W	-2205	From 2009-01-01
NEPTUNE Canada Mothra	KEMO	British Columbia,Canada	47.9241N	129.1082W	-2270	From 2009-01-01
Nerja	ANER	Spain	36.7623N	3.8453W	170	
Nerokourou, Chania, Crete Is.	NERO	Crete	35.4739N	24.0423E	77	From 2016-12-01
Nerungri	NRGR	Sakha,Russia	56.6570N	124.7230E	840	From 2001-11-01
Neryungri	NYG	Sakha,Russia	56.6800N	124.6600E	760	From 1977-01-01 to 1982-12-31
Neshkan	NSH2	The Chukotsky Autonomous Okrug,Russia	67.1070N	173.6350W	65	
Neshkan, Chukotka	NSH	The Chukotsky Autonomous Okrug,Russia	67.0360N	172.9600W	5	From 2003-09-12
Neskantaga (Lansdowne House)First Nations Ontario	NSKO	Ontario,Canada	52.1965N	87.9305W	241	From 2005-07-29
Nesovice	A089A	Czech Republic	49.1521N	17.0920E	263	From 2015-11-08
Nesson, Greece	NESN	Greece	39.7267N	22.5399E	101	From 2021-03-06
Nestani	S011	Greece	37.6060N	22.4710E	815	
Nestorio	NEST	Greece	40.4147N	21.0489E	1056	From 2008-06-30
Neuchatel	NEU	Switzerland	46.9973N	6.9573E	487	From 1911-01-01 to 1999-08-25
Neuchatel	NEC	Switzerland	47.0063N	6.9487E	600	From 1980-06-01 to 1996-01-19
Neuenburg	NEUB	Sachsen-Anhalt,Germany	51.2083N	11.7752E	200	From 2003-08-21
Neuenburg, Observatorium, NE	SNES2	Switzerland	47.0000N	6.9531E	483	From 2014-11-18
Neufchef	NEUF	Lorraine	49.3255N	6.0270E	260	From 2015-01-01
Neufra-Freudenweiler	FREU	Baden-Wurttemberg	48.2357N	9.1367E	639	From 2016-11-01
Neuhaus	RNHA	Bayern,Germany	47.8060N	12.8190E	855	From 2001-05-22 to 2012-11-14
Neuhausen (Enzkreis), Galgenberg	GALG	Baden-Wurttemberg	48.7860N	8.7810E	528	From 2015-09-01
Neumayer	VNA	Dronning Maud Land	70.5997S	8.3622W	40	
Neumayer Olymp	VNA3	Dronning Maud Land	71.2428S	9.6687W	480	
Neumayer--Station	VNA1	Dronning Maud Land	70.6503S	8.2624W	40	From 1992-03-01
Neumayer--Watzmann	VNA2	Dronning Maud Land	70.9252S	7.3927W	350	
Neunburg	A355A	Germany	49.3490N	12.3832E	385	From 2015-10-23
Neuquen (mine)	NEUQ	Chile	20.1722S	70.0732W	1043	From 2009-05-17
Nevada	N50A	Ohio,U.S.A.	40.7711N	83.1486W	277	From 2012-06-20
Nevada Test Site	NT-NV	Nevada,U.S.A.	37.2758N	116.4183W	1987	
Nevada Test Site	NT2NV	Nevada,U.S.A.	37.2533N	116.2858W	2185	
Nevada Test Site Array	NTA	Nevada,U.S.A.	37.2783N	116.4370W	1996	
Nevado Cumbal	CUMC	Colombia	0.9607N	77.8723W	3950	From 1989-01-01
Nevado del Ruiz	OLLE	Colombia	4.9020N	75.3590W	4630	
Nevado del Ruiz	LISA	Colombia	4.9153N	75.3338W	4700	
Neve Ativ	NATI	Israel	33.2620N	35.7364E	1	From 2012-07-09
Neve Ativ	HRMI	Israel	33.2680N	35.7500E	1014	
Nevel`sk	NEVR	Sakhalinskaya Oblast',Russia	46.6760N	141.8580E	24	From 2008-10-10
Neve Shalom, NSH	NSHI	Israel	31.8160N	34.9790E	300	From 1996-03-01 to 1997-05-01
Nevesinje	NEVS	Bosnia and Herzegovina	43.2990N	18.1030E	894	From 2015-12-01
Neve Zohar	NVZR	Israel	31.1535N	35.3651E	-29	From 2018-07-02
Neviano degli Arduini	NEVI	Italy	44.5834N	10.3163E	480	From 2012-05-25
Nevinnomyssk	NVNR	Stavropol'skiy Kray,Russia	44.6143N	41.9640E	340	From 2007-02-19
Nevis, Disaster Management Department Office	NVDO	Montserrat	17.1183N	62.6191W	20	From 2013-05-10
Nevis Range	KNR1	Scotland,United Kingdom	56.8219N	4.9714W	1147	From 1991-01-01
Nevrokopi	NVR	Greece	41.3500N	23.8619E	595	From 1997-01-01
Nevsehir-Avanos	AVNS	Turkey	38.8065N	34.8474E	1213	From 2010-12-17
NEVSHA	NEF	Bulgaria	43.2643N	27.2752E	350	From 2007-06-01
New Abbey	BNA	Scotland,United Kingdom	54.9658N	3.6242W	28	
New Alisa	ANAL	Egypt	23.4100N	32.6780E		
Newall Road	NWEZ	North Island,New Zealand	39.2749S	173.8675E	175	From 1996-04-03

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Newall Road North Island, New Zealand	NBEZ	North Island,New Zealand	39.2679S	173.8676E	141	From 2012-10-17
New Almaden Mine	JNAM	California,U.S.A.	37.1770N	121.8450W	512	
Newark	NED	Delaware,U.S.A.	39.7042N	75.7047W	47	From 1970-11-19
Newberry Crater	NCOR	Oregon,U.S.A.	43.7040N	121.1380W	1908	From 1987-09-01
New Brighton	NNBS	South Island	43.4971S	172.7179E	10	
New Brighton Library	NBLC	South Island,New Zealand	43.5069S	172.7313E	1	From 2008-05-08
Newby Ranch, Pratt	S32A	Kansas,U.S.A.	37.7001N	98.9363W	558	From 2009-10-11 to 2011-08-26
Newcastle	NWCL	South Africa	27.7360S	29.8920E	1215	From 2015-11-16
Newcastle	P21A	Colorado,U.S.A.	39.5240N	107.4493W	2097	From 2007-12-12 to 2009-10-22
Newcastle	NWL	Natal,South Africa	27.7207S	29.9532E	1332	
New Castle	NCJ	Jamaica	18.0750N	76.7190W	1142	
Newcastle Hard Rock	NTLH	New South Wales,Australia	32.8983S	151.7030E	64	From 2012-09-26
Newcastle Ridge	NCSB	British Columbia,Canada	50.4031N	126.0559W	1297	From 2017-11-01
Newcastle Ridge	NCRB	British Columbia,Canada	50.4035N	126.0553W	1293	
Newcastle Soft Rock	NTLS	New South Wales,Australia	32.9320S	151.7625E	13	From 2010-09-10
Newcomb	U20A	New Mexico,U.S.A.	36.3758N	108.5204W	1682	From 2008-02-19 to 2009-11-21
Newcomb	NCB	New York,U.S.A.	43.9708N	74.2236W	500	
Newdale	I16A	Idaho,U.S.A.	43.8756N	111.4868W	1744	From 2007-08-15 to 2009-09-17
New Delhi	NDI	Delhi,India	28.6853N	77.2159E	241	From 1960-10-01
New Douglas	Q43A	Illinois,U.S.A.	38.9410N	89.6991W	202	From 2011-05-24 to 2013-04-25
New Edfo	NEDF	Egypt	24.8903N	32.9500E	170	
Newell	G25A	South Dakota,U.S.A.	45.1935N	103.4173W	894	From 2009-07-10 to 2011-06-03
New Galloway	NEWG	Scotland,United Kingdom	55.1173N	4.2300W	151	
New Goldendale	GL2	Washington,U.S.A.	45.9597N	120.8230W	1000	
New Harmony	NHIN	Indiana,U.S.A.	38.1300N	87.9360W	90	From 2002-02-15
New Haven	NHIL	Illinois,U.S.A.	37.9269N	88.1708W	134	
New Haven	NHC	Connecticut,U.S.A.	41.3167N	72.9000W	11	From 1925-01-01 to 1999-08-25
New Hogan Dam	MNHB	California,U.S.A.	38.1459N	120.8136W	206	
New Hogan Reservoir	MNHM	California,U.S.A.	38.1457N	120.8148W	189	From 1977-03-01 to 2011-11-26
New Hope	NHSC	South Carolina,U.S.A.	33.1067N	80.1778W	11	From 2001-05-01
Newington	G57A	Ontario,Canada	45.1036N	74.9855W	96	From 2013-07-24
New Kensington	NKP	Pennsylvania,U.S.A.	40.5597N	79.7542W	251	From 1939-01-01 to 1959-12-31
Newlands	NEWS	North Island,New Zealand	41.2320S	174.8218E	218	From 2011-10-27
New Madrid	NMM	Missouri,U.S.A.	36.5910N	89.5282W		From 1967-11-01 to 1969-11-30
New Madrid	NMMO	Missouri,U.S.A.	36.5880N	89.5520W	90	
New Madrid	NMD	Missouri,U.S.A.	36.5750N	89.4819W	92	
New Madrid Sch	NMEM	Missouri,U.S.A.	36.5740N	89.5850W	0	
New Magadan Station 2	NMA2	Magadanskaya Oblast',Russia	59.5497N	150.8000E	50	From 2007-09-17
New Mexico Highlands	NMH	New Mexico,U.S.A.	35.6042N	105.1700W	2026	From 1977-10-15
New North Marawa	NNMR	Egypt	23.7379N	32.5621E	100	
New Orleans	NOL	Louisiana,U.S.A.	29.9483N	90.1200W	2	From 1910-01-01
New Philadelphia	O53A	Ohio,U.S.A.	40.2493N	81.2129W	320	From 2012-12-13
New Philadelphia	KSTO	Ohio	40.4890N	81.4450W	277	From 2012-06-25
New Plymouth	NPZ	North Island,New Zealand	39.0640S	174.0735E	34	From 1931-02-01 to 1957-10-03
New Plymouth Civil Defence	NPCS	North Island,New Zealand	39.0624S	174.0734E	47	From 1999-10-17
Newport	NEW	Washington,U.S.A.	48.2642N	117.1227W	760	From 1993-11-13
Newport DOGAMI SMO	NEWO	Oregon,U.S.A.	44.6243N	124.0461W	2	From 2008-02-14
NEWPORT INFRASONIC ARRAY REFERENCE POINT	I56US	Washington,U.S.A.	48.2641N	117.1257W	763	From 2005-07-13
New Provincial Capitol Complex, Brgy. Buadi Sacay, Mabini, Cityof Tagaytay	MBR2	Cityof Tagaytay	8.0097N	124.2760E	765	
New Quseer	NQSR	Egypt	26.1100N	34.2640E	25	
New Reactor	NPRI	Idaho,U.S.A.	43.5975N	112.8270W	1513	From 1990-08-14
New River	NW2	California,U.S.A.	33.0905N	115.6920W	-68	From 1976-12-01
New Salem	NSLM	Texas,U.S.A.	31.9750N	94.9580W		
New Sharon	H63A	Maine,U.S.A.	44.6616N	70.0353W	109	From 2013-09-20
New Sinn el Kaddab	NSKD	Egypt	23.6599N	32.3861E	236	
New Taipei City	BACT	Taiwan region	24.9975N	121.4418E	5	From 2014-12-04
New Underwood	I26A	South Dakota,U.S.A.	44.0309N	102.8596W	971	From 2009-06-18 to 2011-05-08
New Vision PS	LN46	Tanzania	3.0070S	36.6767E	1400	From 2013-01-19 to 2014-12-04
New Yellowknife Blue 1	YKAB1	Northwest Territories,Canada	62.4023N	114.6063W	146	From 2013-06-26
New Yellowknife Blue 10	YKAB0	Northwest Territories,Canada	62.6059N	114.6060W	196	From 2013-06-26
New Yellowknife Blue 2	YKAB2	Northwest Territories,Canada	62.4247N	114.6064W	151	From 2013-06-26
New Yellowknife Blue 3	YKAB3	Northwest Territories,Canada	62.4485N	114.6061W	159	From 2013-06-26
New Yellowknife Blue 4	YKAB4	Northwest Territories,Canada	62.4709N	114.6057W	165	From 2013-06-26
New Yellowknife Blue 6	YKAB6	Northwest Territories,Canada	62.5164N	114.6057W	174	From 2013-06-26
New Yellowknife Blue 7	YKAB7	Northwest Territories,Canada	62.5389N	114.6061W	178	From 2013-06-26
New Yellowknife Blue 8	YKAB8	Northwest Territories,Canada	62.5614N	114.6054W	171	From 2013-06-26
New Yellowknife Blue 9	YKAB9	Northwest Territories,Canada	62.5829N	114.6047W	188	From 2013-06-26
New YK Array red 1	YKAR1	Northwest Territories,Canada	62.4928N	114.9445W	142	From 2013-06-26
New YK Array red 2	YKAR2	Northwest Territories,Canada	62.4928N	114.8959W	146	From 2013-06-26
New YK Array red 3	YKAR3	Northwest Territories,Canada	62.4929N	114.8477W	147	From 2013-06-26
New YK Array red 4	YKAR4	Northwest Territories,Canada	62.4927N	114.7998W	150	From 2013-06-26
New YK Array red 5	YKAR5	Northwest Territories,Canada	62.4931N	114.7504W	150	From 2013-06-26
New YK Array red 6	YKAR6	Northwest Territories,Canada	62.4932N	114.7019W	162	From 2013-06-26
New YK Array red 7	YKAR7	Northwest Territories,Canada	62.4932N	114.6544W	168	From 2013-06-26
New YK Array red 8	YKAR8	Northwest Territories,Canada	62.4931N	114.6061W	168	From 2013-06-26
New YK Array red 9	YKAR9	Northwest Territories,Canada	62.4930N	114.5564W	172	From 2013-06-26
Neyba	LONE1	Dominican Republic	18.4826N	71.4209W	28	From 2012-10-05 to 2015-08-06
Neytrino	NEUR	Russia	43.2631N	42.7016E	1750	From 2017-07-19
Neytrino	NEY	Russia	43.2489N	42.7222E	1715	From 2008-12-05 to 2017-07-18
Nezhdaninsk	NZD	Sakha,Russia	62.5000N	139.0600E	603	From 1980-06-01 to 1998-09-01
NGAL	NGAL	Egypt	23.4191N	32.7329E	100	
Ngambe, CM10	ACM10	Cameroon	4.2230N	10.6190E	613	
Ngamring, Xizang Zizhiqu	ONRN	Xizang Zizhiqu,China	29.3020N	87.2440E	4350	From 2002-07-13 to 2002-08-02
Ngan, CM04	ACM04	Cameroon	2.9790N	11.9590E	579	
Ngaoundal, CM22	ACM22	Cameroon	6.4770N	13.2680E	824	
Ngaoundere, CM26	ACM26	Cameroon	7.2650N	13.5480E	1207	
Ngariki Road	NRZ	North Island,New Zealand	39.3357S	173.9332E	250	From 1991-02-21 to 2009-06-10
Ngau Island	GAU	Fiji	18.0817S	179.3296E	286	From 1978-05-01 to 1999-08-25
Ngauruhoe	NGZ	North Island,New Zealand	39.1756S	175.6012E	1452	From 1976-06-01
Ngawi	NGJI	Jawa,Indonesia	7.3676S	111.4612E	0	From 2007-12-01
Ngawi Fire Station	NWFS	North Island,New Zealand	41.5891S	175.2340E	14	From 2006-05-05
NGMR	NGMR	Egypt	23.5217N	32.4074E	207	
Ngoile bomas	NG56	Tanzania	3.0960S	35.4086E	1505	From 2013-01-17 to 2014-12-06
Ngonga	NGON	Malawi	10.9387S	33.9428E	1060	From 2014-07-13 to 2015-11-04
Ngongotaha	NGRZ	North Island,New Zealand	38.1018S	176.1874E	685	From 2011-10-26
Ngoundere	NGC	Cameroon	7.2617N	13.5683E	1100	From 1982-02-01
Ngurumani	KEN4	Kenya	1.7840S	36.0536E	782	From 2013-07-11 to 2014-12-03
NGWR	NGWR	Egypt	23.6684N	32.7912E	0	
Nhangau, A3869	M3869	Mozambique	19.7160S	35.0105E	14	
Nha Trang	NTV	Vietnam	12.2667N	109.1943E	5	
Nha-Trang	NHA	Vietnam	12.2100N	109.2120E	5	From 1957-06-01
Nhimo	NHIM	Xizang Zizhiqu,China	29.4336N	90.1643E	3822	From 2004-06-18
Nhulunbuy High School	AUNHS	Northern Territories,Australia	12.1900S	136.7800E	20	From 2013-08-11
Niagara	NG-WS	Wisconsin,U.S.A.	45.7575N	88.1492W	396	From 1961-11-19 to 1963-06-14
Niagara	NG-	Wisconsin,U.S.A.	45.7575N	88.1492W	396	From 1961-11-19 to 1963-06-14
Nian	NIAN	Iran	27.5596N	56.8349E	248	From 2010-04-30
Niaqornat	NIAQ	Greenland	70.7886N	53.6640W	0	From 2019-08-20
Nibbio, Oratorio San Pietro	DIV03	Italy	45.9951N	8.3981E	190	From 2021-10-12 to 2025-12-31
Nibetsu	NIB	Akita,Japan	39.8033N	140.2683E	243	
Nicaro	NICP	Cuba	20.6913N	75.5408W	30	
NICASTRO HABITAT	NCH	Italy	38.9621N	16.3151E	178	From 2010-10-11
Nice Cerbom	NCER	Provence-Cote d'Azur,France	43.6895N	7.2950E	30	From 2012-07-23
Nice, cimetire Caucade	NCAU	Provence-Cote d'Azur,France	43.6751N	7.2123E	28	From 2013-05-14
Nice - Cite Administrative des Alpes-Maritimes	NCAD	Provence-Cote d'Azur,France	43.6710N	7.2000E	5	From 2002-04-26
Nice, Eglise du Port	NPOR	Provence-Cote d'Azur,France	43.7000N	7.2860E	5	From 1990-01-01
Nice, Jardin Alsace-Lorraine	NALS	Provence-Cote d'Azur,France	43.6990N	7.2580E	6	From 1998-05-07
Nice, Liberation	NLIB	Provence-Cote d'Azur,France	43.7100N	7.2640E	18	From 1998-05-07
Nice, Mont Boron	NBOR	Provence-Cote d'Azur,France	43.6910N	7.3020E	191	From 1990-01-01
Nice OCA	NOCA	France	43.7263N	7.2999E	373	From 2013-08-01
Nice, Saint-Roch	NROC	Provence-Cote d'Azur,France	43.7160N	7.2930E	22	From 1998-05-07 to 2013-03-26
Nichawak Mountain	NICHA	Alaska,U.S.A.	60.2366N	143.9672W	507	
Nichinankitagou	JNKG	Miyazaki,Japan	31.6621N	131.3760E	38	From 2013-07-01
Nicholson Point	NPT	Northwest Territories,Canada	69.9272N	128.9630W	60	From 1981-08-08
Nickenich	NICK	Germany	50.4263N	7.2962E	300	
Nicolai Mountain	NLO	Oregon,U.S.A.	46.0883N	123.4500W	900	
Nicolau / Grandola	PNCL	Portugal	38.1118N	8.5289W	120	From 2008-09-26
Nicolosi	ENCS	Sicily,Italy	37.6390N	15.0050E	958	From 1994-10-01
Nicolosi	ENLS	Sicily,Italy	37.6060N	15.0243E	666	From 2002-10-01
Nicolosi	ENIC	Italy	37.6314N	15.0216E	882	From 2006-03-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Nicosia	CMET	Cyprus	35.1960N	33.3630E	134	From 2006-10-17
Nicosia	NIC	Cyprus	35.1564N	33.3450E	166	
Nicoya	AR8	Costa Rica	10.1925N	85.5206W	511	
Nicoya	NICO	Costa Rica	10.1345N	85.4470W	148	From 2010-07-30
Niedergesteln, Fire station, VS	NIE01	Switzerland	46.3130N	7.7848E	643	From 2018-07-13
Niederharthausen	A359A	Germany	48.8331N	12.6421E	333	From 2015-10-23
Niedersach Riedel	NRDL	Niedersachsen,Germany	52.4943N	10.1073E	-355	
Niedzica	NIE	Poland	49.4182N	20.2996E	649	
Nieva - Peru	NIEV	Peru	4.5957S	77.8661W	214	
Nigde	NIG	Turkey	38.1100N	34.6100E	2291	
Nigde	BSTP	Turkey	37.9508N	34.1100E	1318	From 2005-02-25
Nigde/Merkez-Gumusler	NIDE	Turkey	37.9999N	34.7768E	1420	From 2014-12-01
Nigrita	NGRA	Greece	40.9074N	23.4993E	70	
Nigu River	E20K	Alaska,U.S.A.	68.2575N	156.1885W	866	From 2017-08-16
Niigata	NII	Niigata,Japan	37.9100N	139.0520E	3	
Niigata 2	NIIJ	Niigata,Japan	37.2400N	139.0020E	31	From 1978-01-01
Niihama	NHM	Ehime,Japan	33.9500N	133.2500E		
Nii jima	NJJ	Bonin Islands,Japan	34.3667N	139.2500E	50	
Nii jima 2	NJJJ	Bonin Islands,Japan	34.4020N	139.2830E	180	From 1988-01-01
Niijimaoohara	JNIO	Japan	34.3560N	139.2742E	57	From 2010-02-01
Nijar	ENIJ	Spain	36.9717N	2.2069W	440	From 1985-04-01
Nikia, Nisyros, Greece	NISR2	Greece	36.5748N	27.1791E	423	From 2021-01-15
Nikishka	NKA	Alaska,U.S.A.	60.7431N	151.2380W	100	From 1971-09-10
Nikkaluokta	NIKU	Sweden	67.8673N	19.0347E	300	From 2003-08-24
Nikolaev	NIKV	Ukraine	46.9730N	31.9730E	74	
Nikolaevsk School	NHSA	Alaska,U.S.A.	59.8111N	151.6127W	256	
Nikolayevsk	NKL	Khabarovskiy Kray,Russia	53.1500N	140.6800E	15	
Nikolski	NIKO	Alaska,U.S.A.	52.9738N	168.8539W	8	
Nikolski	NKI	Alaska,U.S.A.	52.9426N	168.8570W	8	
Nikolski	NIK	Alaska,U.S.A.	52.9743N	168.8530W	207	From 1971-05-17
Nikolski High Hill	NIKH	Alaska,U.S.A.	52.9721N	168.8550W	199	From 2007-06-21
Niksic	NKME	Montenegro	42.7670N	18.9530E	688	From 2009-06-04
Niksic	NKY	Montenegro	42.8130N	18.9932E	1142	From 1983-12-25
Niles Canyon	CNIC	California,U.S.A.	37.6079N	121.9646W	393	
Nilore	NIL	Pakistan	33.6500N	73.2517E	536	From 1994-12-19
Nilsia	NIF	Finland	63.3900N	27.8099E	140	From 2016-07-25
Nindi	NIND	Tanzania	10.1421S	34.5792E	1292	From 2014-07-06 to 2015-11-04
Nine Bar Ranch, Gage	U31A	Oklahoma,U.S.A.	36.3695N	99.8508W	725	From 2009-04-07 to 2011-03-12
Nine Mile Canyon	WNMM	California,U.S.A.	35.8428N	117.9048W		
Nine Mile Canyon	NMC	California,U.S.A.	35.8428N	117.9048W	951	
Ninemile Creek	NCM	Montana,U.S.A.	47.1802N	114.5660W	1183	From 1983-06-15
Ninemile Divide	NDMT	Montana,U.S.A.	47.2690N	114.7988W	1917	
Nine Sixteen Ranch, Cliff	Z20A	New Mexico,U.S.A.	33.1132N	108.5922W	1547	From 2008-02-20 to 2009-12-11
Ninganchiao	NACB	Taiwan region	24.1738N	121.5947E	130	
Niniconang	NINI	Sulawesi,Indonesia	4.4225S	119.7560E	1463	
Ninilchik	NNL	Alaska,U.S.A.	60.0422N	151.2960W	366	From 1972-08-24
Ninilchik One	NIN	Alaska,U.S.A.	60.0111N	151.5360W	110	From 1971-08-28 to 1972-08-24
Ninotsminda	NTS	Georgia,Georgia	41.7410N	45.2865E	915	From 2003-01-01
Niobrara River	NR-NB	Nebraska,U.S.A.	42.8197N	101.7011W	975	
Niobrara River	NR-	Nebraska,U.S.A.	42.8197N	101.7011W	975	
Nioudou	ENTT	Taiwan region	24.6400N	121.5660E	280	
Nipiditos, Crete, Greece	CRE4	Greece	35.1392N	25.3314E	392	From 2021-09-28
Nirayama	NRY	Shizuoka,Japan	35.0599N	138.9628E	-91	
Nirehara	NRJ	Toyama,Japan	36.5133N	137.2384E	220	
Nishiizu	NSI	Shizuoka,Japan	34.7870N	138.8040E	-422	
Nishinai	K01	Iwate,Japan	39.3989N	141.6053E	431	
Nishlik Lake	N16K	Alaska,U.S.A.	60.4742N	158.7690W	582	From 2016-05-28
Nisiros	NISR	Greece	36.6117N	27.1283E	48	
Nisos Aigina	NAIG	Greece	37.7585N	23.4887E	221	
Nisos Salamina	NSAL	Greece	37.9066N	23.4633E	190	
Nisperales Comayagua	NISHN	Honduras	15.7765N	87.8842W	554	From 2016-01-01
Nissan Island	NIS	New Britain,Papua New Guinea	4.5300S	154.2383E	10	From 1971-08-01
Nisyros Isl.	NIS4	Greece	36.6717N	27.1314E	0	From 2009-03-23 to 2016-04-21
Nisyros Isl.	NIS1	Greece	36.6023N	27.1782E	378	From 2008-05-24
Nisyros Isl.	NIS2	Greece	36.5780N	27.1808E	400	From 2009-03-23 to 2016-04-21
Nisyros Isl.	NIS3	Greece	36.5742N	27.1557E	271	From 2009-03-23 to 2016-04-21
Niue	NIUE	Niue	19.0763S	169.9272W	108	From 2007-09-20
Niue	NUE	Cook Islands	19.0764S	169.9280W	56	From 1973-04-15
Niukaw	JGN	Gifu,Japan	36.2232N	137.3153E	775	
Niukluk	G15K	Alaska,U.S.A.	64.9941N	164.0386W	249	From 2017-07-16
Niumate	NIU	Tonga	21.1600S	175.2900W	15	
Nixon	EF62	Texas	29.3651N	97.6850W	98	From 2018-12-18
Nixon	EF54	Texas	29.1577N	97.6301W	122	From 2018-11-15
Niza - Manizales, Caldas	NIZA	Colombia	5.0578N	75.4707W	2240	From 2015-07-04
Nizh Angarsk	NIZ	Buryatiya,Russia	55.7750N	109.5411E	487	
Nizh Angarsk	NIZB	Buryatiya	55.7704N	109.5446E	495	From 2017-07-02
Nizhniy Bestyah	NBS	Sakha,Russia	61.9339N	129.8864E	90	From 2006-07-31
Nizip/Gaziantep	NZIP	Turkey	37.0432N	37.6747E	925	From 2016-12-15
NIZZA MONFERRATO	NZZ	Italy	44.7804N	8.3561E	161	From 2009-11-17
Njombe	NJOM	Tanzania,United Republic of Tanzania	9.3665S	34.7912E	1956	
Njombe	UWEM	Tanzania	9.4696S	34.7859E	2151	From 2014-06-30 to 2015-11-04
Nkalisi	NKAL	Tanzania	9.1881S	33.7736E	1551	From 2013-08-09 to 2015-11-04
N'lazarevskaya	NVL	Dronning Maud Land	70.7667S	11.8333E	107	
NLITH	NLITH	Saudi Arabia	20.4320N	40.0191E	100	
NNAL	NNAL	Egypt	23.2931N	32.6645E	266	
N. Norfolk Rd., Cushing	OK034	Oklahoma,U.S.A.	36.0102N	96.7132W	254	From 2015-11-22 to 2017-03-14
No. 579 Westminster Ave.	OTWM	Ontario,Canada	45.3824N	75.7628W	69	From 2001-11-08
NOAA--Sand Point	NOWS	Washington,U.S.A.	47.6867N	122.2559W	2	
Noah's Angus Ranch, Cambridge	H10A	Idaho,U.S.A.	44.5890N	116.7474W	882	From 2006-10-28 to 2008-07-09
Noatak River	D17K	Alaska,U.S.A.	67.6988N	163.0831W	172	From 2017-08-26
Nobeoka	NOB	Miyazaki,Japan	32.5783N	131.6600E	20	
Noboribetsu	JNB	Iburi,Japan	42.4687N	141.0383E	110	
Nobres	NBRS	Mato Grosso	14.3224S	55.7773W	490	From 2016-03-23
Nocera Umbra	NOCU	Italy	43.1009N	12.8053E	455	
Noci	NOCI	Italy	40.7888N	17.0644E	420	From 2005-08-03
Nodinka Narrows	NODN	Northwest Territories,Canada	63.9607N	110.9601W	435	
Noerdlinger Ries-Bissingen	NORI	Bayern,Germany	48.7203N	10.6250E	492	From 2003-06-10
Nogliki	NGLS	Sakhalinskaya Oblast',Russia	51.8170N	143.1500E	25	From 1964-10-20 to 1995-02-01
Nogliki	NGLR	Sakhalinskaya Oblast',Russia	51.7830N	143.1260E	11	From 2010-09-18
Nojiri	NOJ	Kagoshima,Japan	31.5586N	130.6386E	150	
Nojoqui County Park, Las Cruces	NJQ	California,U.S.A.	34.5341N	120.1774W	219	From 2001-11-20
Nola	NL9	Italy	40.9205N	14.5450E	75	From 1992-01-01
Nome	NOM	Alaska,U.S.A.	64.5617N	165.3870W		
Nome	ANM	Alaska,U.S.A.	64.5646N	165.3732W	338	From 2010-06-21
Nome	E31A	North Dakota,U.S.A.	46.5583N	97.8879W	427	From 2010-08-19 to 2012-06-28
Nongkai	NONG	Thailand	18.0635N	103.1457E	140	
Nongplab	NNT	Thailand	12.5898N	99.7338E	106	From 1982-11-01
Nongstoin	NGNA	Meghalaya,India	25.5217N	91.2720E		
Nonn-Bad Reichenhall	RNON	Bayern,Germany	47.7405N	12.8671E	555	From 2000-05-24
Nono	NONO	Ecuador	0.0557S	78.5780W	2972	
Nonsavu	MSVF	Fiji	17.7333S	178.0500E	783	From 1994-05-24
Noodor Dome	H24K	Alaska,U.S.A.	65.8371N	147.8781W	814	From 2015-05-27
Noondotu PS	LN45	Tanzania	2.9927S	36.2921E	1063	From 2013-01-20 to 2014-12-04
Nootka	NTKA	British Columbia,Canada	49.5924N	126.6166W	12	From 2013-03-23
Nopah Range	NOP	California,U.S.A.	36.1271N	116.1522W	983	From 1978-07-24 to 2002-12-10
Nora	NRAU	Sweden	59.5706N	15.0400E	150	From 2002-01-29
NORA	NORA	Nevada	37.1928N	116.0993W	1463	From 2017-09-19
Noranda	NRMS	Missouri,U.S.A.	36.4870N	89.5880W	88	
Nor Artik	NARZ	Armenia	40.4650N	43.7160E	1550	
Norcasia	NORC	Colombia	5.5635N	74.8692W	536	
NORCASIA, CALDAS	CNOCA	Colombia	5.5660N	74.8720W	519	From 2012-11-26
Norcia	NRCA	Italy	42.8336N	13.1143E	927	
Norcia	NCIA	Italy	42.7916N	13.0923E	631	From 2019-12-17
Norcia	UNRC	Italy	42.7989N	13.1160E	679	From 2001-06-30
NORCIA	NRC	Italy	42.7925N	13.0964E	616	From 2009-11-03
Norcia, Frazione Savelli (PG)	T1213	Italy	42.7249N	13.1258E	859	From 2016-08-24 to 2017-09-24
Nord	NOR	Greenland	81.6000N	16.6833W	36	From 1957-01-01
Nordeng Farm	NBB14	Norway	66.3030N	13.3272E	35	From 2013-08-01 to 2016-06-01
Norderasen	NOD	Sweden	63.4428N	14.8573E	450	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Nordeste	PNOR2	Azores	37.8353N	25.1460W	132	From 2016-04-14
Nordfold	N2NF	Norway	67.7610N	15.2277E	3	From 2013-08-01 to 2016-05-30
Nord Galaele Koma	BEAD	Djibouti	11.5715N	42.5277E	10	From 1987-01-01
Nordheim	EF72	Texas	28.8601N	97.5920W	110	From 2018-12-19
Nordlingen	NRD	Bayern,Germany	48.8500N	10.4833E	432	From 1912-01-01 to 1931-12-31
Nordman	NTI	Idaho,U.S.A.	48.6300N	116.9630W	823	From 1967-08-27 to 1975-12-08
Nordsjona	N1R3	Norway	66.3370N	13.4060E	68	
NORESS Array Beam Reference Point	NORES	Norway	60.7353N	11.5414E	302	
NORESS Array Site A0	NRA0	Norway	60.7353N	11.5414E	302	From 1984-10-01 to 2002-06-11
NORESS Array Site A1	NRA1	Norway	60.7366N	11.5423E	291	From 1984-10-01 to 2002-06-11
NORESS Array Site A2	NRA2	Norway	60.7343N	11.5434E	311	From 1984-10-01 to 2002-06-11
NORESS Array Site A3	NRA3	Norway	60.7350N	11.5387E	296	From 1984-10-01 to 2002-06-11
NORESS Array Site B1	NRB1	Norway	60.7381N	11.5426E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site B2	NRB2	Norway	60.7355N	11.5475E	315	From 1984-10-01 to 2002-06-11
NORESS Array Site B3	NRB3	Norway	60.7326N	11.5440E	314	From 1984-10-01 to 2002-06-11
NORESS Array Site B4	NRB4	Norway	60.7333N	11.5372E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site B5	NRB5	Norway	60.7367N	11.5364E	289	From 1984-10-01 to 2002-06-11
NORESS Array Site C1	NRC1	Norway	60.7414N	11.5434E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site C2	NRC2	Norway	60.7383N	11.5525E	339	From 1984-10-01 to 2002-06-11
NORESS Array Site C3	NRC3	Norway	60.7331N	11.5533E	352	From 1984-10-01 to 2002-06-11
NORESS Array Site C4	NRC4	Norway	60.7293N	11.5452E	311	From 1984-10-01 to 2002-06-11
NORESS Array Site C5	NRC5	Norway	60.7301N	11.5341E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site C6	NRC6	Norway	60.7348N	11.5287E	303	From 1984-10-01 to 2002-06-11
NORESS Array Site C7	NRC7	Norway	60.7402N	11.5331E	275	From 1984-10-01 to 2002-06-11
NORESS Array Site D1	NRD1	Norway	60.7486N	11.5449E	305	From 1984-10-01 to 2002-06-11
NORESS Array Site D2	NRD2	Norway	60.7444N	11.5616E	372	From 1984-10-01 to 2002-06-11
NORESS Array Site D3	NRD3	Norway	60.7359N	11.5689E	453	From 1984-10-01 to 2002-06-11
NORESS Array Site D4	NRD4	Norway	60.7271N	11.5633E	379	From 1984-10-01 to 2002-06-11
NORESS Array Site D5	NRD5	Norway	60.7222N	11.5475E	348	From 1984-10-01 to 2002-06-11
NORESS Array Site D6	NRD6	Norway	60.7233N	11.5288E	352	From 1984-10-01 to 2002-06-11
NORESS Array Site D7	NRD7	Norway	60.7302N	11.5162E	337	From 1984-10-01 to 2002-06-11
NORESS Array Site D8	NRD8	Norway	60.7390N	11.5168E	301	From 1984-10-01 to 2002-06-11
NORESS Array Site D9	NRD9	Norway	60.7466N	11.5266E	278	From 1984-10-01 to 2002-06-11
NORESS Array Site E0	NRE0	Norway	60.7353N	11.5414E	307	From 1984-10-01 to 2002-06-11
Norfolk	NRFK	Norfolk Island,Australia	29.0400S	167.9630E	196	
Norfolk Island	NFK	Norfolk Island,Australia	29.0433S	167.9388E	203	From 2008-07-10
Norfolk Island	NIA	Norfolk Island,Australia	29.0417S	167.9600E	130	From 1969-12-01 to 1977-05-26
Noril'sk	NRIK	Krasnoyarskiy Kray,Russia	69.3396N	87.5550E	185	From 2010-10-28
Noril'sk	NRI	Krasnoyarskiy Kray,Russia	69.4300N	88.0830E	44	
Noril'sk	NRIL	Krasnoyarskiy Kray,Russia	69.5049N	88.4414E	92	
Noril'sk	NRIS	Krasnoyarskiy Kray,Russia	69.0061N	87.9964E	498	
Nor Kachakap	SARS	Armenia	40.8467N	44.3483E	1525	
Norman	NMO	Oklahoma,U.S.A.	35.2056N	97.4440W	354	From 1975-01-01 to 1976-09-30
Norman Wells, NWT	NOWN	Northwest Territories,Canada	65.2943N	126.7145W	186	From 2012-08-15
Norrel Spur, Hamburg	Z42A	Arkansas,U.S.A.	33.2739N	91.9474W	39	From 2011-04-19 to 2013-02-17
Norris Canyon Road	CNCM	California,U.S.A.	37.7560N	121.9900W	306	
Norris Junction	NJW	Wyoming,U.S.A.	44.7303N	110.6930W	2290	From 1972-10-01
Norris Junction	YNR	Wyoming,U.S.A.	44.7155N	110.6792W	2336	
Norrtaelje	NRTU	Sweden	59.6769N	18.6308E	40	From 2002-01-15
NORSAR 1A	NA0	Norway	60.8237N	10.8324E	379	From 1971-01-01
NORSAR Array Beam Reference Point	NOA	Norway	61.0397N	11.2148E	717	
NORSAR Array Site 01A00	NAO00	Norway	60.8237N	10.8324E	379	
NORSAR Array Site 01A01	NAO01	Norway	60.8442N	10.8865E	426	
NORSAR Array Site 01A02	NAO02	Norway	60.8057N	10.8971E	362	
NORSAR Array Site 01A03	NAO03	Norway	60.7881N	10.8084E	223	
NORSAR Array Site 01A04	NAO04	Norway	60.8105N	10.7625E	297	
NORSAR Array Site 01A05	NAO05	Norway	60.8507N	10.8193E	290	
NORSAR Array Site 01B00	NBO00	Norway	61.0307N	10.7777E	529	
NORSAR Array Site 01B01	NBO01	Norway	61.0616N	10.7834E	596	
NORSAR Array Site 01B02	NBO02	Norway	61.0492N	10.8569E	521	
NORSAR Array Site 01B03	NBO03	Norway	61.0129N	10.8371E	429	
NORSAR Array Site 01B04	NBO04	Norway	61.0119N	10.7524E	398	
NORSAR Array Site 01B05	NBO05	Norway	61.0597N	10.7219E	553	
Norsar Array Site 01C00	NCO	Norway	61.3371N	10.5856E	974	From 1971-04-01 to 1976-10-31
NORSAR Array Site 02B00	NB200	Norway	61.0397N	11.2148E	717	
NORSAR Array Site 02B01	NB201	Norway	61.0495N	11.2939E	613	
NORSAR Array Site 02B02	NB202	Norway	61.0069N	11.2778E	647	
NORSAR Array Site 02B03	NB203	Norway	61.0107N	11.1677E	730	
NORSAR Array Site 02B04	NB204	Norway	61.0498N	11.1581E	670	
NORSAR Array Site 02B05	NB205	Norway	61.0710N	11.1977E	637	
NORSAR Array Site 02C00	NC200	Norway	61.2807N	10.8354E	847	
NORSAR Array Site 02C01	NC201	Norway	61.2988N	10.9138E	1033	
NORSAR Array Site 02C02	NC202	Norway	61.2545N	10.9110E	2054	
NORSAR Array Site 02C03	NC203	Norway	61.2438N	10.8318E	714	
NORSAR Array Site 02C04	NC204	Norway	61.2759N	10.7629E	851	
NORSAR Array Site 02C05	NC205	Norway	61.3231N	10.8227E	958	
NORSAR Array Site 03C00	NC300	Norway	61.2617N	11.4141E	366	
NORSAR Array Site 03C01	NC301	Norway	61.2762N	11.4905E	290	
NORSAR Array Site 03C02	NC302	Norway	61.2328N	11.4726E	300	
NORSAR Array Site 03C03	NC303	Norway	61.2251N	11.3690E	401	
NORSAR Array Site 03C04	NC304	Norway	61.2784N	11.3320E	393	
NORSAR Array Site 03C05	NC305	Norway	61.2979N	11.4035E	312	
NORSAR Array Site 04C00	NC400	Norway	61.0791N	11.7189E	522	
NORSAR Array Site 04C01	NC401	Norway	61.0804N	11.7994E	583	
NORSAR Array Site 04C02	NC402	Norway	61.0446N	11.7573E	450	
NORSAR Array Site 04C03	NC403	Norway	61.0537N	11.6683E	304	
NORSAR Array Site 04C04	NC404	Norway	61.0982N	11.6456E	332	
NORSAR Array Site 04C05	NC405	Norway	61.1128N	11.7153E	496	
NORSAR Array Site 06C00	NC600	Norway	60.7473N	11.4584E	321	
NORSAR Array Site 06C01	NC601	Norway	60.7746N	11.5416E	248	
NORSAR Array Site 06C02	NC602	Norway	60.7353N	11.5414E	305	
NORSAR Array Site 06C03	NC603	Norway	60.7050N	11.4807E	340	
NORSAR Array site 06C04	NC604	Norway	60.7263N	11.3956E	378	
NORSAR Array Site 06C05	NC605	Norway	60.7770N	11.4103E	242	
NORSAR Subarray 10C Beam Reference Point	N10	Norway	60.4695N	10.2999E	403	From 1971-01-01 to 1976-10-01
NORSAR Subarray 11C Beam Reference Point	N11	Norway	60.6171N	10.2497E	242	From 1971-01-01 to 1976-10-01
NORSAR Subarray 12C Beam Reference Point	N12	Norway	60.7729N	9.9845E	637	From 1971-01-01 to 1976-10-01
NORSAR Subarray 13C Beam Reference Point	N13	Norway	61.0498N	9.8861E	919	From 1971-01-01 to 1976-10-01
NORSAR Subarray 14C Beam Reference Point	N14	Norway	61.1869N	10.2729E	492	From 1971-01-01 to 1976-10-01
NORSAR Subarray 1A Beam Reference Point	NAO	Norway	60.8237N	10.8324E	379	From 1971-01-01
NORSAR Subarray 1B Beam Reference Point	NBO	Norway	61.0307N	10.7777E	529	From 1971-04-01
NORSAR Subarray 2B Beam Reference Point	NB2	Norway	61.0397N	11.2148E	717	From 1971-04-01
NORSAR Subarray 2C Beam Reference Point	NC2	Norway	61.2807N	10.8354E	847	From 1971-04-01
NORSAR Subarray 3B Beam Reference Point	NB3	Norway	60.9130N	11.2696E	529	From 1971-04-01 to 1976-10-31
NORSAR Subarray 3C Beam Reference Point	NC3	Norway	61.2617N	11.4141E	366	From 1971-04-01
NORSAR Subarray 4B Beam Reference Point	NB4	Norway	60.6738N	11.1881E	239	From 1971-04-01 to 1976-10-31
NORSAR Subarray 4C Beam Reference Point	NC4	Norway	61.0791N	11.7189E	522	From 1971-04-01
NORSAR Subarray 5B Beam Reference Point	NB5	Norway	60.6224N	10.8369E	428	From 1971-04-01 to 1976-10-31
NORSAR Subarray 5C Beam Reference Point	NC5	Norway	60.9468N	11.8004E	425	From 1971-04-01 to 1976-10-31
NORSAR Subarray 6B Beam Reference Point	NB6	Norway	60.7300N	10.4589E	630	From 1971-04-01 to 1976-10-31
NORSAR Subarray 6C Beam Reference Point	NC6	Norway	60.7473N	11.4584E	321	From 1971-04-01
NORSAR Subarray 7B Beam Reference Point	NB7	Norway	60.9200N	10.4658E	759	From 1971-04-01 to 1976-10-31
NORSAR Subarray 7C Beam Reference Point	NC7	Norway	60.4553N	11.4988E	221	From 1971-04-01 to 1976-10-31
NORSAR Subarray 8C Beam Reference Point	NC8	Norway	60.4756N	11.0868E	480	From 1971-04-01 to 1976-10-31
NORSAR Subarray 9C Beam Reference Point	NC9	Norway	60.4094N	10.6038E	478	From 1971-04-01 to 1976-10-31
North	AR9	Costa Rica	10.4717N	84.7286W	658	From 1975-07-13
Northam, Northwest	NHAM	South Africa	24.9157S	27.3170E	1014	From 2017-03-27
Northampton	L61B	Massachusetts,U.S.A.	42.4498N	72.6802W	261	From 2013-09-10
North Anna	NA12	Virginia,U.S.A.	37.9882N	77.8770W	134	From 1978-08-01
North Anna	NA2	Virginia,U.S.A.	38.1279N	77.7401W	99	From 1978-10-01 to 1999-08-25
North Anna	NA11	Virginia,U.S.A.	37.9831N	77.6850W		
North Anna	NA5	Virginia,U.S.A.	38.0108N	77.7365W	76	From 1978-08-01 to 2004-09-30
North Anna 1	NV1	Virginia,U.S.A.	38.0618N	77.7870W		From 1974-01-01 to 1999-08-25
North Anna 2	NV2	Virginia,U.S.A.	38.0628N	77.8503W		From 1974-01-01 to 1999-08-25
North Anna 3	NV3	Virginia,U.S.A.	38.0983N	77.8093W		From 1974-01-01 to 1999-08-25
North Anna 4	NV4	Virginia,U.S.A.	38.0268N	77.7808W		From 1974-01-01 to 1999-08-25
North Anna 5	NV5	Virginia,U.S.A.	38.0537N	77.7365W		From 1974-01-01 to 1999-08-25
North Anna 6	NV6	Virginia,U.S.A.	38.0913N	77.7782W		From 1974-01-01 to 1999-08-25
North Anna 7	NV7	Virginia,U.S.A.	38.0227N	77.8570W		From 1974-01-01 to 1999-08-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
North Bangong	ST19A	Xizang Zizhiqu,China	32.1034N	89.1948E	4540	From 1998-07-24 to 1999-05-28
North Bangong Suture	ST22	Xizang Zizhiqu,China	32.3326N	89.1163E	4707	From 1998-08-17 to 1999-05-29
North Bay	NBH	Hawaii,U.S.A.	19.4950N	155.5800W	1221	From 1964-03-12 to 1968-07-05
North beach	NRTH	Turkey	40.2530N	29.0420E	3	From 2006-09-29
North Boqe	ST05	Xizang Zizhiqu,China	31.0402N	90.1741E	4836	From 1998-07-16 to 1999-05-30
North Branch	NB-	Minnesota,U.S.A.	45.5328N	92.8475W	259	
North Branch	NB-MN	Minnesota,U.S.A.	45.5328N	92.8475W	259	
North Capps Glacier	NCG	Alaska,U.S.A.	61.4037N	152.1570W	1244	From 1989-08-07
North Carolina A&T Campus	NCAT	North Carolina,U.S.A.	36.0790N	79.7712W	243	
North Crescent	NCT	Alaska,U.S.A.	60.5617N	152.9300W	1166	From 1988-08-14
North Deqen	ST02	Xizang Zizhiqu,China	30.7865N	90.2491E	4801	From 1998-07-17 to 1998-07-24
North Doima	ST28	Xizang Zizhiqu,China	32.8218N	88.8481E	4843	From 1998-07-11 to 1999-06-05
Northeast Doima	ST29	Xizang Zizhiqu,China	32.9343N	88.8532E	4829	From 1998-07-25 to 1999-06-05
Northeast Serting	ST16A	Xizang Zizhiqu,China	31.9196N	89.4203E	4552	From 1998-07-24 to 1999-05-30
North Egmont	NEZ	North Island,New Zealand	39.2702S	174.0957E	920	From 1985-04-17
Northern Antelope Island	NAIU	Utah,U.S.A.	41.0162N	112.2280W	1472	From 1991-11-13
NorthernBC 1	NBC1	British Columbia,Canada	59.6559N	123.8237W	416	From 2013-03-11
NorthernBC 2	NBC2	British Columbia,Canada	59.7779N	122.4878W	487	From 2013-03-13
NorthernBC 3	NBC3	British Columbia,Canada	59.6365N	120.6692W	451	From 2013-03-14
NorthernBC 4	NBC4	British Columbia,Canada	55.6873N	120.6617W	785	From 2013-03-19
NorthernBC 5	NBC5	British Columbia,Canada	57.5231N	122.6777W	1157	From 2013-03-16
NorthernBC 6	NBC6	British Columbia,Canada	58.5839N	121.3339W	440	From 2013-03-16
Northern Marianas College	NMCC	Mariana Islands	15.1500N	145.7160E	100	From 1992-05-01
Northfield	NRT	Vermont,U.S.A.	44.1667N	72.6833W	256	
North Gasline	NGL	Alaska,U.S.A.	60.8208N	149.9980W	122	
North Gisborne	NOZ	North Island,New Zealand	38.6162S	178.0369E	60	From 1989-04-17 to 2004-04-03
North Grampians	GOGM	Victoria,Australia	36.8882S	142.3996E	265	
North Greenland Eemian Ice Drilling site	NEEM	Greenland	77.4450N	51.0650W	2454	From 2007-08-22
North Grip Drilling Camp	NGR	Greenland	75.0010N	42.3148W	2960	
North Hampton	NHS	South Carolina,U.S.A.	33.0717N	79.7556W	10	From 1974-05-20 to 1980-12-31
North Heping	ST25A	Xizang Zizhiqu,China	32.6117N	88.9537E	4806	From 1998-07-26 to 1999-06-05
North Hollywood	HLLC	California,U.S.A.	34.1764N	118.3597W	193	
North Isle of Man	GIM	Isle of Man	54.2923N	4.4670W	366	From 1989-01-01
North Jangngalda	ST35	Xizang Zizhiqu,China	33.4768N	88.7363E	4941	From 1998-07-26 to 1999-06-04
North Kanaga	AD7	Alaska,U.S.A.	51.9000N	177.0900W	244	From 1974-01-01 to 1992-02-01
North Karnes	EF73	Texas	28.9826N	97.8966W	90	From 2018-11-08
North Lily Mine	NLU	Utah,U.S.A.	39.9548N	112.0750W	2036	
North Maintong	ST12A	Xizang Zizhiqu,China	31.6400N	89.7888E	4642	From 1998-08-20 to 1998-11-27
North Marawa	ANMR	Egypt	23.7340N	32.5626E	210	
North Mineral Mountain	NMUT	Utah,U.S.A.	38.5165N	112.8500W	1853	From 1987-10-01
North Nagishlamina, Mt. Spurr	SPNN	Alaska,U.S.A.	61.3668N	152.6991W	1666	
North Ngauruhoe	NNVZ	North Island	39.1317S	175.6153E	1501	From 2015-03-27
North-of-Casa	NOCG	California,U.S.A.	37.6875N	118.9190W	2475	From 1984-07-01
NORTH OF DAULE	EC12	Ecuador	0.4099N	79.9824W	53	From 2016-05-12
North of Durango, S17	SCR17	Colorado	37.4504N	107.7914W	2063	
North of Pu`u O`o Crater	NPOC	Hawaii,U.S.A.	19.3930N	155.1096W	726	
North of Pyote	TPB27	Texas	31.5763N	103.1307W	812	From 2019-07-23
North of River	ST37	Xizang Zizhiqu,China	33.6064N	88.5231E	5161	From 1998-07-11 to 1999-06-04
NORTH OF SAN FRANCISCO	EC03	Ecuador	0.6639N	80.0593W	18	From 2016-05-12
north of Sant'Angelo	MZ11	Italy	42.6629N	13.3076E	1231	From 2016-09-20 to 2016-11-17
North Oquirrh Mountains	NOQ	Utah,U.S.A.	40.6525N	112.1200W	1622	
North Padre Island, Corpus Christi	936A	Texas,U.S.A.	27.4208N	97.3091W	-3	From 2010-01-13 to 2011-11-18
North Pahroc Range	NPN	Nevada,U.S.A.	37.6529N	114.9370W	1664	
North Pahute Mesa	NPM	Nevada,U.S.A.	37.3839N	116.3230W	2250	From 1975-09-01
North Palgon	ST11	Xizang Zizhiqu,China	31.5815N	89.9806E	4738	From 1998-07-25 to 1999-06-01
North Pangkog	ST15	Xizang Zizhiqu,China	31.8347N	89.6401E	4577	From 1998-07-20 to 1999-05-31
North Pit	NPH	Hawaii,U.S.A.	19.4120N	155.2810W	1115	From 1958-07-01
North Pocatello Valley	NPI	Idaho,U.S.A.	42.1473N	112.5180W	1640	From 1975-04-01
North Pole	NP-	Northwest Territories,Canada	76.2522N	119.3717W	59	
Northport	A10A	Washington,U.S.A.	48.9813N	117.5586W	688	From 2006-08-30 to 2008-06-14
Northport	Z48A	Alabama,U.S.A.	33.3764N	87.5556W	101	From 2011-04-15 to 2013-02-03
North Rainier Mesa	NRM	Nevada,U.S.A.	37.2744N	116.2060W	2210	From 1975-09-01 to 1981-12-31
North Reno	NRR	Nevada,U.S.A.	39.5720N	119.8490W	1634	From 1964-04-09
Northridge Ranch, Floyd Knobs	R48A	Indiana,U.S.A.	38.4001N	85.8714W	243	From 2011-12-09
North Rim	U15A	Arizona,U.S.A.	36.4280N	112.2915W	2489	From 2007-05-16 to 2010-05-28
North River	NRA	Alaska,U.S.A.	63.8918N	160.5140W	105	From 1976-08-01 to 1978-08-31
North Rockhampton State High School	AUNRC	Queensland,Australia	23.3500S	150.5300E	38	From 2013-08-11
North Saanich	B009	British Columbia,Canada	48.6487N	123.4512W	15	From 2005-09-14
North Saanich	B010	British Columbia,Canada	48.6502N	123.4513W	5	From 2005-07-28
North Saanich	B011	British Columbia,Canada	48.6495N	123.4482W	22	From 2005-09-16
North Scituate	L63A	Rhode Island,U.S.A.	41.8631N	71.6095W	109	From 2013-09-11
North Serting	ST17	Xizang Zizhiqu,China	31.9388N	89.3580E	4591	From 1998-07-24 to 1999-05-30
North Stansbury	NSU	Utah,U.S.A.	40.9082N	112.5060W	1422	From 1976-10-01 to 2004-03-05
North Star Ditch	F15K	Alaska,U.S.A.	65.7077N	164.6483W	388	From 2017-07-18
North Stonington	NSC	Connecticut,U.S.A.	41.4808N	71.8516W	110	From 1977-06-27 to 1999-01-31
North Tanaga	AK3	Alaska,U.S.A.	51.8067N	177.8200W	350	From 1976-10-01 to 1992-02-01
North Tanaga	AK5	Alaska,U.S.A.	51.8040N	176.8920W	0	
North Tanaga	AK0	Alaska,U.S.A.	51.7790N	176.8800W	152	
North Tanaga	AT3	Alaska,U.S.A.	51.8067N	177.8200W	350	From 1975-01-01 to 1976-10-31
North Tongariro	NTVZ	North Island,New Zealand	39.0985S	175.6760E	1260	From 2014-11-06
North Vernon	Q48A	Indiana,U.S.A.	38.9295N	85.7311W	185	From 2012-06-23
Northwest Bangong	ST20	Xizang Zizhiqu,China	32.1677N	89.1416E	4584	From 1998-07-09 to 1999-05-29
Northwest Bangong Suture	ST22A	Xizang Zizhiqu,China	32.3750N	89.0998E	4763	From 1998-07-27 to 1999-06-05
Northwest Mankato	KS23	Kansas,U.S.A.	39.8422N	98.2455W	561	From 2017-06-27 to 2017-11-02
North West River	NWRL	Newfoundland,Canada	53.5253N	60.1424W	6	From 2011-07-21
Northwest Twin Lake	ST31	Xizang Zizhiqu,China	33.1354N	88.8768E	4847	From 1998-07-25 to 1999-06-03
North Woods Club	NWC	New York,U.S.A.	43.8450N	74.1502W		From 1986-10-01
North Xuru	ST08	Xizang Zizhiqu,China	31.2993N	90.0314E	4899	From 1998-07-15 to 1999-06-01
Norton	NNK	Kansas,U.S.A.	39.9363N	100.0420W	732	From 1979-03-01 to 1981-12-31
Norwalk	I40A	Wisconsin,U.S.A.	43.8916N	90.6177W	419	From 2011-08-04 to 2013-06-05
Noshirotokiwa	JNTW	Akita,Japan	40.2718N	140.1613E	42	From 2012-07-01
NOTO	NTE	Italy	36.9095N	15.0692E	211	From 2002-09-12
Nottersdorf	NOTT	Bayern,Germany	49.8110N	12.1223E	490	
Nou	NOUE	Niigata,Japan	37.0480N	138.0309E	240	
Noumea	LASL	New Caledonia	22.2310S	166.5400E	11	From 2007-01-01
Noumea	MVNO	New Caledonia	22.2700S	166.4420E	0	From 2007-01-01
Noumea	ONTRN	New Caledonia	22.3070S	166.4540E	116	From 2007-04-01
Noumea	NOC	New Caledonia	22.2839S	166.4320E	5	From 1986-12-09 to 1987-10-27
Noumea	NORM	New Caledonia	22.2280S	166.4840E	97	From 2007-01-01
Noumea	NOU	New Caledonia	22.3100S	166.4510E	105	From 1960-01-01
NOV1	NOV1	Switzerland	46.3888N	6.8138E	465	From 2010-02-09
NOV2	NOV2	Switzerland	46.3718N	6.8739E	375	From 2010-02-09
NOV3	NOV3	Switzerland	46.4337N	6.9403E	1091	From 2010-02-09
Nova Friburgo	CAM4	Rio de Janeiro,Brazil	22.3568S	42.5653W	2000	
Novalja	NVLJ	Croatia	44.5635N	14.8711E	20	
Nova Mambone, A0295	M0295	Mozambique	21.0062S	34.9597E	9	
Novara	NOV	Sicily,Italy	38.0278N	15.1367E	775	
NOVARA DI SICILIA	NVR1	Italy	38.0124N	15.1288E	754	From 2007-09-04
Nova Varos 1	NOVS	Serbia	43.4485N	19.8216E	0	
Nova Varos 2	NVSS	Serbia	43.5077N	19.7005E	0	
Nova Xavantina-MT	NVXV	Mato Grosso,Brazil	14.7132S	52.3517W	349	From 2010-09-14 to 2012-07-24
Nove Hrady	A086A	Czech Republic	49.8528N	16.1457E	391	From 2015-09-19
Novellara	NOVE	Italy	44.7982N	10.7161E	16	From 2003-05-20
Novi di Modena	NDIM	Italy	44.8873N	10.8987E	18	From 2013-02-08
Novi Di Modena	ROCE	Italy	44.9000N	10.9242E	17	
NOVI LIGURE	NVG	Italy	44.7585N	8.7711E	270	From 2012-10-02
Novo Acordo - TO	RET14	Tocantins,Brazil	9.9880S	47.6280W	292	From 2012-06-13
Novodnistrovsk	NDNU	Carpathian Mountains	48.5947N	27.3664E	242	From 2006-07-27
Novokhopersk	VRHR	Voronezhskaya Oblast',Russia	51.0955N	41.6246E	137	From 2003-11-01 to 2008-06-18
Novokhopyorsk	VRH	Voronezhskaya Oblast',Russia	51.2025N	41.7215E	98	From 2008-06-19
Novo Lino, Alagoas, Brazil	NVLB	Alagoas,Brazil	9.0256S	35.5721W	220	From 2011-05-22 to 2013-02-24
Novo Planalto, GO, Brazil	RET9	Goias,Brazil	13.2898S	49.7189W	275	From 2008-07-16 to 2012-12-16
Novopoltavsky	NVPR	Krasnodarskiy Kray	46.8770N	39.1400E	28	
Novo Progresso	NPGB	Para,Brazil	7.0454S	55.3579W	266	From 2014-04-30
Novosibirsk	NVSII	Novosibirskaya Oblast',Russia	54.8415N	83.2374E	168	From 1992-07-15
Novosibirsk	NVS	Novosibirskaya Oblast',Russia	54.8406N	83.2344E	150	
Novosibirsk, NHES, Russia	NHES	Novosibirskaya Oblast',Russia	54.8600N	82.9900E	110	From 2012-02-27
Novy Kostel	NKC	Czech Republic	50.2331N	12.4479E	564	
Nowan	KSNOW	Republic of Korea	37.6863N	127.0694E	130	From 2007-12-12

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Nowhere	ST36	Xizang Zizhiqu,China	33.5216N	88.6016E	5070	From 1998-07-11 to 1999-06-04
Nowinta River	J20K	Alaska,U.S.A.	64.1767N	154.1467W	314	From 2015-07-01
Now Shahr	NOSH	Iran	36.7000N	51.5000E	0	
NOZA	NOZA	Israel	30.1540N	35.1470E	120	From 1985-11-01 to 1986-02-28
NPLP New Delhi	NPLP	India	28.6376N	77.1693E	215	From 2017-11-27
NPP	NPPZ	Armenia	40.1670N	44.1330E	945	
NRDS	ADM	Nevada,U.S.A.	36.7697N	116.2850W	1033	From 1965-01-01 to 1970-12-31
Nsakai	JNG	Nagano,Japan	36.4067N	138.1000E	930	
NSKAK	NSKAK	Saudi Arabia	30.4948N	40.3413E	100	
NTAIM	NTAIM	Saudi Arabia	28.1774N	38.8714E	100	
Nthalire	NTHA	Malawi	10.3521S	33.6372E	1291	From 2014-07-23 to 2015-11-04
Ntui, CM12	ACM12	Cameroon	4.4810N	11.6340E	452	
Ntumbaw, CM23	ACM23	Cameroon	6.3700N	10.7930E	1862	
Ntumbaw, CM24	ACM24	Cameroon	6.5230N	14.2880E	1003	
Nu aruja	NARJ	Romania	45.8323N	26.7510E	581	
Nubian desert	HMAD	Sudan	19.7642N	33.1421E	346	
Nueva Concepcion	NCS	El Salvador	14.1015N	89.1795W	290	
Nueva Leon, NVL	CNVL	Mexico	32.3985N	115.2110W	936	
Nueva Zelanda, Rincon	ZERI	Costa Rica	10.8670N	85.4040W	658	From 2011-09-20
Nuevo Madin	PMVM	Mexico D.F.	19.5248N	99.2667W	2348	
Nuevo Mundo	NMDO	Cuba	20.5598N	74.9827W	50	From 2015-09-09
Nuku'alofa	NUK	Tonga	21.1320S	175.2070W	10	From 1983-09-05
Nuku Hiva Island	TAOE	Marquesas archipelago	8.8549S	140.1482W	812	From 2004-12-01
Nukus	NUKS	Uzbekistan	42.4561N	59.6073E	84	
Numata	JNMT	Gumma	36.7301N	139.2233E	722	From 2020-11-20
Numazu	NUM	Shizuoka,Japan	35.1000N	138.8500E	6	
Numbskull Pass, NTS	NSP	Nevada,U.S.A.	36.7278N	116.2124W	1242	From 1992-09-09
Nunatak	NTK	Alaska,U.S.A.	59.8777N	139.0350W	1050	From 1974-09-09 to 1975-10-31
Nunnelly	V47A	Tennessee,U.S.A.	35.8278N	87.5205W	240	From 2012-01-12
Nunuq Camp, NU	NUNN	Nunavut,Canada	65.2146N	91.0784W	229	From 2007-08-16
Nurek	NRK	Tajikistan	38.4000N	69.3333E		
Nurmijarvi	NUR	Finland	60.5090N	24.6490E	102	From 1957-01-01
Nurmijarvi	NE61	Finland	60.5090N	24.6490E	105	
Nurota	NUT	Uzbekistan	40.5537N	65.6788E	432	From 1967-01-01
Nurpur	NURP	Himachal Pradesh,India	32.2667N	75.8967E		
Nusa Penida, Bali	NKBI	Indonesia	8.7261S	115.5260E	452	From 2019-10-01
Nusco	NSC3	Italy	40.8468N	15.1222E	1300	
Nushagak Hills	N17K	Alaska,U.S.A.	60.5269N	157.1867W	350	From 2017-05-13
Nushagak River	P16K	Alaska,U.S.A.	59.0314N	157.9906W	85	From 2016-05-26
Nutrioso	Y19A	Arizona,U.S.A.	33.9571N	109.2541W	2448	From 2007-04-04 to 2009-02-21
Nuugaatsiaq	NUUG	Greenland	71.5386N	53.2001W	40	From 2010-07-01
Nuuk	NUUK	Greenland,Greenland	64.1800N	51.7300W	10	From 2010-09-09
Nuweibaa	NUB	Egypt	29.0276N	34.6474E	90	
Nuxco	NUXM	Guerrero,Mexico	17.2108N	100.7547W	80	
NWS Agricenter	NAIT	Tennessee,U.S.A.	35.1297N	89.8036W	104	
NY08	NY08	Costa Rica	11.0080N	85.3550W	361	From 2005-11-01 to 2006-07-01
NY10	NY10	Costa Rica	11.0740N	85.5560W	330	From 2005-11-01 to 2006-07-01
NY11	NY11	Costa Rica	10.4998N	85.7253W	150	From 2005-11-01 to 2006-07-01
NY12	NY12	Costa Rica	10.3020N	85.7975W	50	From 2005-11-01 to 2006-07-01
NY13	NY13	Costa Rica	10.1003N	85.7567W	50	From 2005-11-01 to 2006-07-01
NY15	NY15	Costa Rica	10.4370N	85.5980W	0	From 2005-11-01 to 2006-07-01
NY16	NY16	Costa Rica	10.3610N	85.7140W	0	From 2005-11-01 to 2006-07-01
NYA7	NYA7	Costa Rica	10.9378N	85.6822W	100	From 2005-11-01 to 2006-07-01
NYA9	NYA9	Costa Rica	10.5333N	85.3667W	100	From 2005-11-01 to 2006-07-01
Nyabibwe	NYAB	Democratic Republic of the Congo	1.9210S	28.9367E	1976	From 2019-07-10 to 2022-07-01
Nyala	NYA	Sudan	12.0475N	24.9022E	651	From 1980-04-17 to 1982-12-31
Nyarlorinc	PKSN	Hungary	46.8972N	19.8673E	110	
Nyati, Northwest	NYAT	South Africa	25.3675S	27.5669E	1000	From 2017-03-30
Nydri-Lefkada	NYDR	Greece	38.7135N	20.6983E	14	From 2014-09-01
Nye Farm, Monte Vista	S23A	Colorado,U.S.A.	37.7059N	106.0023W	2323	From 2008-06-07 to 2010-06-17
Nyeri	NYRK	Kenya	0.4290S	36.9370E	1902	From 1997-04-01 to 1997-09-30
Nyiragongo Volcano Summit	NYI	Democratic Republic of the Congo	1.5259S	29.2541E	3411	From 2017-06-10 to 2022-07-01
Nykoping	NYK	Sweden	58.9240N	17.0910E	33	From 1980-01-01
Nylenda	INYL	Iceland	63.9740N	22.7380W	7	From 1997-02-06
Nylsvlei,Limpopo Province	NYLS	South Africa	24.6592S	28.7032E	1096	From 2017-07-20
Nynaeshamn	NYNU	Sweden	59.0047N	18.0042E	20	From 2002-01-25
Nyons, 26220, Drome, Rhone-Alpes	A193A	France	44.3712N	5.1476E	390	From 2016-01-27
Nyshivtsy	NDNU1	Ukraine	48.5950N	27.5330E	237	
Nyswonger Mesa	PV16	Colorado,U.S.A.	38.3112N	108.9159W	2025	
Nyvrovo	NVV	Sakhalinskaya Oblast',Russia	54.3170N	142.6170E	5	From 1981-11-01
Nyzhchyi-Ol'chedaiv	NIZO	Ukraine	48.6333N	27.6666E	158	From 1912-09-01 to 1912-12-31
Nyzhne Selyshche	NSLU	Carpathian Mountains	48.1976N	24.4571E	250	From 2008-01-01
Oacoma	I30A	South Dakota,U.S.A.	43.9143N	99.4262W	549	From 2009-06-16 to 2011-07-11
Oahu Island	OA-IS	Hawaii,U.S.A.	21.4575N	157.9964W	183	From 1962-03-30 to 1962-11-05
Oahu Island	OA-	Hawaii,U.S.A.	21.4575N	157.9964W	183	From 1962-03-30 to 1962-11-05
Oakdale	OKDL	New South Wales	34.0705S	150.4808E	504	From 2017-01-31
Oakdale Elementary Sch.	OK009	Oklahoma,U.S.A.	35.5813N	97.4229W	320	
Oakfield	OAK	New York,U.S.A.	43.0570N	78.3372W	259	From 1971-09-01 to 1974-11-30
Oak Flat	WOFM	California,U.S.A.	35.5354N	118.7135W	1306	
Oak Grove	OKG	Tennessee,U.S.A.	35.6260N	89.8350W	129	From 1975-06-27 to 1992-02-29
Oak Harbor	OHW	Washington,U.S.A.	48.3233N	122.5320W	54	From 1975-05-16
Oakhill	ONH	New Hampshire,U.S.A.	43.2792N	71.5056W	280	From 1975-12-01
Oakley	Q29A	Kansas,U.S.A.	38.8905N	100.9787W	895	From 2009-05-12 to 2011-03-21
Oak Ridge	ORT	Tennessee,U.S.A.	35.9095N	84.3048W	370	From 1967-06-01
Oak Springs Butte	OB2NV	Nevada,U.S.A.	37.2253N	116.0578W	1542	
Oak Springs Butte	OB-NV	Nevada,U.S.A.	37.2358N	116.0525W	1731	
Oak Springs Butte	OB3NV	Nevada,U.S.A.	37.2325N	116.0542W	1609	
Oakton	LAVM	Kentucky,U.S.A.	36.6635N	89.0840W	86	From 1991-05-05 to 1992-02-05
Oakton	HMDN	Kentucky,U.S.A.	36.7050N	89.1327W	89	From 1990-05-24
Oakville Experimental Vineyard	OAKV	California	38.4306N	122.4108W	118	From 2018-09-01
Oak Wood Farm, Albion	L38A	Iowa,U.S.A.	42.1410N	92.9597W	300	From 2010-11-09 to 2012-08-28
Oamaru	OMZ	South Island,New Zealand	45.0689S	170.9148E	95	From 1969-10-16 to 1990-07-31
Oamaru North Otago Museum	OAMS	South Island,New Zealand	45.0998S	170.9691E	20	From 2002-06-28
Oasis	OAS	Antofagasta,Chile	23.2006S	69.7139W	1340	
Oasis-Bungera	OBA	Queen Mary Land	66.1667S	100.7330E	24	
Oasis Ranch, Spearman	U29A	Texas,U.S.A.	36.4519N	101.2702W	928	From 2009-04-20 to 2011-03-13
Oat Mountain	OAT	California,U.S.A.	34.3436N	118.6144W	1089	
Oaxaca	LAGM	Oaxaca,Mexico	16.1042N	97.0778W	201	
Oaxaca	AZO	Oaxaca,Mexico	15.9660N	97.4080W		
Oaxaca	OXLC	Oaxaca	17.0650N	96.7033W	1700	
Oaxaca	YOO	Oaxaca,Mexico	17.7500N	97.8250W	1600	
Oaxaca	OXX	Oaxaca,Mexico	17.0817N	96.7233W	1730	From 1984-01-01
Oaxaca	OAX	Oaxaca,Mexico	17.0203N	96.7628W	1570	
Oaxaca	PXO	Oaxaca,Mexico	15.7478N	96.3030W	25	
Oaxaca	OXBJ	Oaxaca,Mexico	17.0673N	96.7240W	1700	From 2009-02-16
Oaxaca	GUO	Oaxaca,Mexico	16.0987N	97.0610W	244	
Oaxaca	OXIG	Oaxaca	17.0725N	96.7329W	1737	From 1994-03-02
Obama	SWAJ	Nagasaki,Japan	32.6775N	130.2022E	257	
Oban	OBZ	Stewart Island,New Zealand	46.9034S	168.1154E	26	From 1976-09-17 to 1993-10-31
Obara	JAO	Gifu,Japan	35.2667N	137.2583E	600	
Oberaar-Guttannen, Baeregghuette, BE	GSF02	Switzerland	46.5496N	8.2836E	2455	From 2015-10-12 to 2017-08-16
Obere Abschlacht, ILLGRABEN, VS	ILL13	Switzerland	46.2970N	7.6274E	735	From 2018-05-14
Obergeißendorf	GEIDO	Thuringen	50.7353N	12.1999E	341	From 2017-10-12
Obergoms, Fort Galenhuetten Furkastrasse, VS	GSF03	Switzerland	46.5774N	8.3910E	2403	From 2015-10-23
Obergurgl	OGA	Austria	46.8678N	11.0253E	1934	From 1975-09-01
Oberlauterbach	A357B	Germany	48.7026N	11.9466E	434	From 2016-09-01
Oberlin	OBK	Kansas,U.S.A.	39.9288N	100.4390W	792	From 1979-03-01 to 1981-12-31
Obermendig	OMED	Rheinland-Pfalz	50.3800N	7.2400E	229	From 2021-01-01
Obersdorf, Schattenberg	A105A	Germany	47.4070N	10.2934E	890	From 2015-11-09
Oberstdorf	OBER	Bayern,Germany	47.4070N	10.2934E	1000	From 2002-03-18
Obertriebel	TRIB	Sachsen,Germany	50.3517N	12.1370E	510	From 2001-12-19
Oberwoelz	D163	Austria	47.2306N	14.2970E	1152	From 2019-12-16
Obi Garm	OBG	Tajikistan	38.7167N	69.7167E	1350	
Obihiro	OBI	Tokachi,Japan	42.9200N	143.2167E	39	
Obion	NCHT	Tennessee	36.2647N	89.1207W	110	From 1989-10-25 to 1992-03-16
Obir	OBKA	Austria	46.5092N	14.5489E	1074	
Obispado Ponce	OBIP	Puerto Rico	18.0428N	66.6062W	102	
Obninsk	OBN	Kaluzhskaya Oblast',Russia	55.1138N	36.5687E		
Obo	OBOS	Magadanskaya Oblast',Russia	61.8000N	149.7700E	440	From 1977-01-01

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Obock	OBO	Djibouti	11.9853N 43.2917E	40	From 1973-06-01
Obonuco	OBVZ	Colombia	1.2033N 77.3227W	3010	
OBS 01	OB01	Maule	33.4060S 72.2998W	-2073	
OBS01, N0701	NRT01	Gulf of Cadiz	37.0500N 11.4500W	-5100	
OBS 02	OB02	Maule	33.7147S 72.4495W	-1608	
OBS02, N0702	NRT02	Gulf of Cadiz	37.0260N 10.7340W	-2270	
OBS 03	OB03	Maule	34.0257S 72.6015W	-2112	
OBS03, N0703	NRT03	Gulf of Cadiz	37.1000N 10.2300W	-3932	
OBS04	NRT04	Gulf of Cadiz	36.9518N 9.7018W	-1993	
OBS 04	OB04	Maule	34.3317S 72.7483W	-2252	
OBS 05	OB05	Maule	34.0733S 72.9995W	-4557	
OBS05, N0705	NRT05	Gulf of Cadiz	36.7300N 10.5500W	-3095	
OBS06	NRT06	Gulf of Cadiz	36.7085N 9.9690W	-2956	
OBS 06	OB06	Maule	33.8145S 73.1885W	-5403	
OBS 07	OB07	Maule	33.8643S 73.6480W	-4135	
OBS08	NRT08	Gulf of Cadiz	36.3976N 10.9212W	-4671	
OBS 08	OB08	Maule	34.1727S 73.7978W	-4028	
OBS 09	OB09	Maule	34.1255S 73.3998W	-4760	
OBS09, N0709	NRT09	Gulf of Cadiz	36.3700N 10.2600W	-4811	
OBS10	NRT10	Gulf of Cadiz	36.2499N 8.6014W	-2067	
OBS 10	OB10	Maule	34.3822S 73.1482W	-3723	
OBS11	NRT11	Gulf of Cadiz	36.0655N 11.2728W	-4855	
OBS 11	OB11	Maule	34.6412S 72.8983W	-2584	
OBS12	NRT12	Gulf of Cadiz	36.0805N 10.5899W	-4860	
OBS 12	OB12	Maule	34.6905S 73.3000W	-3510	
OBS 13	OB13	Maule	34.4325S 73.5483W	-4960	
OBS 139	CR139	Pacific Ocean, West of Costa Rica	9.2170N 84.5585W	-379	From 2002-04-11 to 2002-10-01
OBS13, N0713	NRT13	Gulf of Cadiz	36.0200N 10.0200W	-4494	
OBS14	NRT14	Gulf of Cadiz	36.0007N 9.4003W	-2439	
OBS 14	OB14	Maule	34.4823S 73.9463W	-3822	
OBS 140	CR140	Pacific Ocean, West of Costa Rica	9.1670N 84.6332W	-939	From 2002-04-11 to 2002-10-01
OBS 141	CR141	Pacific Ocean, West of Costa Rica	9.2163N 84.6832W	-351	From 2002-04-11 to 2002-10-01
OBS 14S	CR14S	Pacific Ocean, West of Costa Rica	9.3332N 84.8833W	-1741	From 2002-04-11 to 2002-10-01
OBS15	NRT15	Gulf of Cadiz	35.9985N 8.7997W	-3357	
OBS 15	OB15	Maule	34.7398S 73.6990W	-5239	
OBS 15	CR15	Pacific Ocean, West of Costa Rica	9.2443N 84.6008W	-114	
OBS16	NRT16	Gulf of Cadiz	35.9496N 8.2505W	-2069	
OBS 16	OB16	Maule	34.9330S 73.4497W	-3699	
OBS 16	CR16	Pacific Ocean, West of Costa Rica	9.1663N 84.6337W	-944	From 2002-04-11 to 2002-10-01
OBS 17	OB17	Maule	34.9503S 73.0493W	-2032	
OBS17, N0717	NRT17	Gulf of Cadiz	35.7780N 10.9390W	-4765	
OBS18	NRT18	Gulf of Cadiz	35.7113N 10.3390W	-4605	
OBS 18	CR18	Pacific Ocean, West of Costa Rica	9.1567N 84.8265W	-827	From 2002-04-11 to 2002-10-01
OBS 18	OB18	Maule	35.2582S 73.2025W	-2080	
OBS19	NRT19	Gulf of Cadiz	35.6325N 9.7505W	-4287	
OBS 19	OB19	Maule	35.5673S 73.3570W	-1538	
OBS 193	CR193	Pacific Ocean, West of Costa Rica	9.3332N 85.1010W	-1880	From 2002-04-11 to 2002-10-01
OBS 194	CR194	Pacific Ocean, West of Costa Rica	9.4670N 84.8750W	-560	From 2002-04-11 to 2002-10-01
OBS 195	CR195	Pacific Ocean, West of Costa Rica	9.4667N 84.7500W	-324	From 2002-04-11 to 2002-10-01
OBS 196	CR196	Pacific Ocean, West of Costa Rica	9.3578N 84.7510W	-413	From 2002-04-11 to 2002-10-01
OBS 197S	C197S	Pacific Ocean, West of Costa Rica	9.3333N 84.8830W	-1745	From 2002-04-11 to 2002-10-01
OBS 198	CR198	Pacific Ocean, West of Costa Rica	9.2497N 84.7333W	-291	From 2002-04-11 to 2002-10-01
OBS 199	CR199	Pacific Ocean, West of Costa Rica	9.1990N 84.7828W	-734	From 2002-04-11 to 2002-10-01
OBS 19S	CR19S	Pacific Ocean, West of Costa Rica	8.9829N 84.8330W	-2206	From 2002-04-11 to 2002-10-01
OBS20	NRT20	Gulf of Cadiz	35.5981N 9.0995W	-3449	
OBS 20	CR20	Pacific Ocean, West of Costa Rica	8.8335N 84.8333W	-3473	
OBS 20	OB20	Maule	35.8245S 73.1108W	-538	
OBS 200	CR200	Pacific Ocean, West of Costa Rica	9.1570N 84.8267W	-824	
OBS 201S	C201S	Pacific Ocean, West of Costa Rica	9.1655N 84.9343W	-2080	From 2002-04-11 to 2002-10-01
OBS 202	CR202	Pacific Ocean, West of Costa Rica	9.0320N 84.9340W	-2237	From 2002-04-11 to 2002-10-01
OBS 203	CR203	Pacific Ocean, West of Costa Rica	8.9662N 85.0833W	-3561	From 2002-04-11 to 2002-10-01
OBS 204	CR204	Pacific Ocean, West of Costa Rica	8.8333N 84.8333W	-3474	From 2002-04-11 to 2002-10-01
OBS 205	CR205	Pacific Ocean, West of Costa Rica	9.0000N 84.8333W	-2210	From 2002-04-11 to 2002-10-01
OBS 206S	C206S	Pacific Ocean, West of Costa Rica	9.0333N 84.7168W	-1726	From 2002-04-11 to 2002-10-01
OBS 207	CR207	Pacific Ocean, West of Costa Rica	9.1153N 84.7155W	-1159	From 2002-04-11 to 2002-10-01
OBS 208	CR208	Pacific Ocean, West of Costa Rica	9.0883N 84.5698W	-1155	From 2002-04-11 to 2002-10-01
OBS 209	CR209	Pacific Ocean, West of Costa Rica	9.0373N 84.6523W	-1615	From 2002-04-11 to 2002-10-01
OBS21	NRT21	Gulf of Cadiz	35.6456N 8.6005W	-2566	
OBS 21	CR21	Pacific Ocean, West of Costa Rica	8.9672N 85.0842W	-3602	From 2002-04-11 to 2002-10-01
OBS 21	OB21	Maule	35.4627S 72.9303W	-438	
OBS 210	CR210	Pacific Ocean, West of Costa Rica	8.9930N 84.6318W	-1202	From 2002-04-11 to 2002-10-01
OBS 211	CR211	Pacific Ocean, West of Costa Rica	9.0167N 84.5743W	-1411	From 2002-04-11 to 2002-10-01
OBS 212	CR212	Pacific Ocean, West of Costa Rica	9.0383N 84.6022W	-1326	From 2002-04-11 to 2002-10-01
OBS 22	OB22	Maule	35.2077S 72.8025W	-670	
OBS22, N0722	NRT22	Gulf of Cadiz	35.3500N 10.4000W	-4095	
OBS 23	OB23	Maule	35.0020S 72.8875W	-1406	
OBS23, N0723	NRT23	Gulf of Cadiz	35.1170N 9.2850W	-3747	
OBS24	NRT24	Gulf of Cadiz	36.5315N 9.2819W	-2439	
OBS 24	OB24	Maule	34.8987S 72.5835W	-976	
OBS25	NRT25	Gulf of Cadiz	36.3597N 9.5714W	-3234	
OBS 25	OB25	Maule	34.6713S 72.7372W	-879	
OBS 26	OB26	Maule	34.5913S 72.4987W	-1212	
OBS 27	OB27	Maule	34.3837S 72.5993W	-1864	
OBS 28	OB28	Maule	34.2828S 72.3495W	-743	
OBS 29	OB29	Maule	33.9725S 72.1997W	-689	
OBS 30	OB30	Maule	33.6645S 72.0493W	-335	
OBS 301	CR301	Pacific Ocean, West of Costa Rica	9.2593N 84.5005W	-311	From 2002-10-01 to 2003-04-01
OBS 302	CR302	Pacific Ocean, West of Costa Rica	9.2618N 84.3580W	-326	From 2002-10-01 to 2003-04-01
OBS 303	CR303	Pacific Ocean, West of Costa Rica	9.1393N 84.3858W	-656	From 2002-10-01 to 2003-04-01
OBS 304	CR304	Pacific Ocean, West of Costa Rica	9.0302N 84.4135W	-1156	From 2002-10-01 to 2003-04-01
OBS 305S	C305S	Pacific Ocean, West of Costa Rica	9.0835N 84.5067W	-1038	From 2002-10-01 to 2003-04-01
OBS 306	CR306	Pacific Ocean, West of Costa Rica	9.1177N 84.7165W	-1157	From 2002-10-01 to 2003-04-01
OBS 307S	C307S	Pacific Ocean, West of Costa Rica	8.8338N 84.8327W	-3488	From 2002-10-01 to 2003-04-01
OBS 308	CR308	Pacific Ocean, West of Costa Rica	8.6533N 84.5463W	-2167	From 2002-10-01 to 2003-04-01
OBS 309S	C309S	Pacific Ocean, West of Costa Rica	8.5800N 84.3798W	-2840	From 2002-10-01 to 2003-04-01
OBS 310	CR310	Pacific Ocean, West of Costa Rica	8.7635N 84.3860W	-1849	From 2002-10-01 to 2003-04-01
OBS 311	CR311	Pacific Ocean, West of Costa Rica	8.7710N 84.5100W	-2550	From 2002-10-01 to 2003-04-01
OBS 312	CR312	Pacific Ocean, West of Costa Rica	8.8802N 84.5802W	-2613	From 2002-10-01 to 2003-04-01
OBS 313	CR313	Pacific Ocean, West of Costa Rica	8.8842N 84.4715W	-1993	From 2002-10-01 to 2003-04-01
OBS 314	CR314	Pacific Ocean, West of Costa Rica	8.9610N 84.4640W	-1617	From 2002-10-01 to 2003-04-01
OBS 315	CR315	Pacific Ocean, West of Costa Rica	8.8758N 84.3433W	-1312	From 2002-10-01 to 2003-04-01
OBS 316S	C316S	Pacific Ocean, West of Costa Rica	8.9647N 84.3173W	-909	From 2002-10-01 to 2003-04-01
OBS 317	CR317	Pacific Ocean, West of Costa Rica	9.0600N 84.2800W	-519	From 2002-10-01 to 2003-04-01
OBS 318	CR318	Pacific Ocean, West of Costa Rica	9.1755N 84.2545W	-354	From 2002-10-01 to 2003-04-01
OBS 319	CR319	Pacific Ocean, West of Costa Rica	9.0527N 84.1957W	-283	From 2002-10-01 to 2003-04-01
OBS 320	CR320	Pacific Ocean, West of Costa Rica	9.0013N 84.1815W	-220	From 2002-10-01 to 2003-04-01
OBS 321	CR321	Pacific Ocean, West of Costa Rica	8.8948N 84.2033W	-284	From 2002-10-01 to 2003-04-01
OBS 322	CR322	Pacific Ocean, West of Costa Rica	8.7902N 84.2600W	-796	From 2002-10-01 to 2003-04-01
OBS 323	CR323	Pacific Ocean, West of Costa Rica	8.7953N 84.1648W	-206	From 2002-10-01 to 2003-04-01
OBS 38	CR38	Pacific Ocean, West of Costa Rica	9.2395N 84.9437W	-1752	From 2002-04-11 to 2002-10-01
OBS 39	CR39	Pacific Ocean, West of Costa Rica	9.0880N 85.0427W	-2496	
OBS 40	CR40	Pacific Ocean, West of Costa Rica	8.8888N 84.9738W	-3420	From 2002-04-11 to 2002-10-01
OBS 41	CR41	Pacific Ocean, West of Costa Rica	8.9340N 84.7238W	-2615	From 2002-04-11 to 2002-10-01
OBS 42	CR42	Pacific Ocean, West of Costa Rica	9.0845N 84.6502W	-1481	From 2002-04-11 to 2002-10-01
Observation Rock	OBSR	Washington,U.S.A.	46.8997N 121.8153W	2382	
Observatoire de Paris	OBP	France	48.8364N 2.3363E		
Observatorio Astronmico de Quito, Ejido, Itchimbia, Quito, Ecuador	OBSA	Ecuador	0.2148S 78.5028W	2823	From 2017-07-13
Observatory	OBSV	South Africa	26.1835S 28.0742E	780	From 2009-10-19
Observatory	POB1	Scotland,United Kingdom	55.8458N 4.4299W	34	From 1992-01-01
Observatory Ledge	OBL	Hawaii,U.S.A.	19.4175N 155.2840W	1107	
Obsidian Butte	OBB	California,U.S.A.	33.1673N 115.6370W	-59	From 1973-04-16
OBS LD03	LD03	Tonga	19.9510S 177.3260W	-2844	
OBS LD05	LD05	Fiji	16.5840S 177.0470W	-2770	
OBS LD09	LD09	Niue	17.4110S 173.7190W	-1325	
OBS LD10	LD10	Fiji	18.3090S 177.9590W	-2584	
OBS LD12	LD12	Fiji	18.3800S 177.3010W	-2647	
OBS LD14	LD14	Fiji	18.4320S 176.7320W	-2444	
OBS LD17	LD17	Tonga	18.5240S 176.1050W	-2522	
OBS LD19	LD19	Tonga	18.6000S 175.4080W	-2439	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
OBS LD21	LD21	Tonga	18.6710S	174.6800W	-1473	
OBS LD23	LD23	Tonga	18.7370S	173.6500W	-2414	
OBS LD25	LD25	Tonga	18.7750S	172.9270W	-5181	
OBS LD27	LD27	Tonga	18.8720S	171.9270W	-4745	
OBS LW01	LW01	Tonga	22.0770S	179.5630W	-1988	
OBS LW06	LW06	Samoa Islands	16.0790S	174.0010W	-1254	
OBS LW07	LW07	Fiji	15.3490S	178.5000W	-1804	
OBS LW11	LW11	Fiji	18.3440S	177.6730W	-2457	
OBS LW13	LW13	Fiji	18.4280S	176.9190W	-2431	
OBS LW15	LW15	Tonga	18.4710S	176.5000W	-2570	
OBS LW18	LW18	Tonga	18.5490S	175.7790W	-2064	
OBS LW20	LW20	Tonga	18.6290S	175.0210W	-2108	
OBS LW22	LW22	Tonga	18.7000S	174.3710W	-1266	
OBS LW24	LW24	Tonga	18.7410S	173.3610W	-4957	
OBS LW26	LW26	Niue	18.7970S	172.3740W	-5068	
OBS LW28	LW28	Niue	18.9160S	171.4330W	-5382	
OBS LW30	LW30	Niue	19.0050S	170.4010W	-4912	
OBS NB03	NB03	Pacific Ocean, West of Costa Rica	9.6994N	86.1593W	-3762	From 1999-12-16 to 2000-06-18
OBS NB04	NB04	Pacific Ocean, West of Costa Rica	9.7001N	86.2984W	-4135	From 1999-12-16 to 2000-06-18
OBS NB05	NB05	Pacific Ocean, West of Costa Rica	9.8754N	86.1998W	-3103	From 1999-12-16 to 2000-06-18
OBS NB06	NB06	Pacific Ocean, West of Costa Rica	9.7837N	86.0250W	-2375	From 1999-12-16 to 2000-06-18
OBS NB07	NB07	Pacific Ocean, West of Costa Rica	9.6836N	85.9423W	-2299	From 1999-12-16 to 2000-06-18
OBS NB08	NB08	Pacific Ocean, West of Costa Rica	9.7199N	85.7615W	-1276	From 1999-12-16 to 2000-06-18
OBS NB09	NB09	Pacific Ocean, West of Costa Rica	9.8403N	85.9000W	-1465	From 1999-12-16 to 2000-06-18
OBS NB10	NB10	Pacific Ocean, West of Costa Rica	9.9500N	85.9996W	-1305	From 1999-12-16 to 2000-06-18
OBS NB11	NB11	Pacific Ocean, West of Costa Rica	10.0503N	85.9004W	-420	From 1999-12-16 to 2000-06-18
OBS NB12	NB12	Pacific Ocean, West of Costa Rica	9.9203N	85.8001W	-229	From 1999-12-16 to 2000-06-18
OBS NB13	NB13	Pacific Ocean, West of Costa Rica	9.8300N	85.6801W	-102	From 1999-12-16 to 2000-06-18
OBS NB14	NB14	Pacific Ocean, West of Costa Rica	9.7501N	85.5499W	-108	From 1999-12-16 to 2000-06-18
OBS O095	O095	Pacific Ocean, West of Nicaragua	11.1400N	86.8090W	-188	From 2005-12-01 to 2006-06-01
OBS O096	O096	Pacific Ocean, West of Nicaragua	10.9290N	86.6790W	-405	From 2005-12-01 to 2006-06-01
OBS O097	O097	Pacific Ocean, West of Nicaragua	10.8290N	86.9000W	-2344	From 2005-12-01 to 2006-06-01
OBS O098	O098	Pacific Ocean, West of Costa Rica	10.7090N	86.6850W	-1309	From 2005-12-01 to 2006-06-01
OBS O099	O099	Pacific Ocean, West of Costa Rica	10.7600N	86.4830W	-209	From 2005-12-01 to 2006-06-01
OBS O100	O100	Pacific Ocean, West of Costa Rica	10.7890N	86.1810W	-193	From 2005-12-01 to 2006-06-01
OBS O101	O101	Pacific Ocean, West of Costa Rica	10.5700N	86.2600W	-255	From 2005-12-01 to 2006-06-01
OBS O102	O102	Pacific Ocean, West of Costa Rica	10.5700N	86.4700W	-924	From 2005-12-01 to 2006-06-01
OBS O104	O104	Pacific Ocean, West of Costa Rica	10.4990N	86.9010W	-4919	From 2005-12-01 to 2006-06-01
OBS O106	O106	Pacific Ocean, West of Costa Rica	10.2090N	86.4810W	-3435	From 2005-12-01 to 2006-06-01
OBS O107	O107	Pacific Ocean, West of Costa Rica	10.3890N	86.4810W	-2175	From 2005-12-01 to 2006-06-01
OBS O108	O108	Pacific Ocean, West of Costa Rica	10.3890N	86.2600W	-904	From 2005-12-01 to 2006-06-01
OBS O109	O109	Pacific Ocean, West of Costa Rica	10.2100N	86.2590W	-1668	From 2005-12-01 to 2006-06-01
OBS O110	O110	Pacific Ocean, West of Costa Rica	10.2760N	86.0790W	-212	From 2005-12-01 to 2006-06-01
OBS O111	O111	Pacific Ocean, West of Costa Rica	10.1200N	85.9300W	-248	From 2005-12-01 to 2006-06-01
OBS O113	O113	Pacific Ocean, West of Costa Rica	9.8210N	85.9500W	-1762	From 2005-12-01 to 2006-06-01
OBS O114	O114	Pacific Ocean, West of Costa Rica	9.9400N	85.8200W	-316	From 2005-12-01 to 2006-06-01
OBS, OS01	VOS01	Vanuatu	15.5416S	166.5333E	-2332	
OBS, OS02	VOS02	Vanuatu	15.7004S	166.5835E	-3082	
OBS, OS03	VOS03	Vanuatu	15.8239S	166.4328E	-3656	
OBS, OS04	VOS04	Vanuatu	15.8505S	166.6749E	-2439	
OBS, OS05	VOS05	Vanuatu	15.8088S	166.9092E	-1232	
OBS, OS06	VOS06	Vanuatu	16.0004S	166.7998E	-1792	
OBS, OS07	VOS07	Vanuatu	15.9833S	166.9835E	-1272	
OBS, OS08	VOS08	Vanuatu	15.8087S	167.0497E	-759	
OBS, OS09	VOS09	Vanuatu	16.1749S	166.8338E	-4195	
OBS, OS10	VOS10	Vanuatu	16.1838S	167.0333E	-3454	
OBS SS01	CSS01	Pacific Ocean, West of Costa Rica	8.5183N	84.2930W	-2580	From 1999-09-24 to 1999-12-05
OBS SS02	CSS02	Pacific Ocean, West of Costa Rica	8.4169N	84.2665W	-2120	From 1999-09-24 to 1999-10-20
OBS SS03	CSS03	Pacific Ocean, West of Costa Rica	8.4085N	84.0867W	-2263	From 1999-09-24 to 1999-12-05
OBS SS10	CSS10	Pacific Ocean, West of Costa Rica	8.5214N	84.1315W	-1587	From 1999-09-24 to 1999-12-04
OBS SS12	CSS12	Pacific Ocean, West of Costa Rica	8.6050N	84.2165W	-1692	From 1999-09-24 to 1999-12-04
OBS SS14	CSS14	Pacific Ocean, West of Costa Rica	8.6450N	84.0534W	-203	From 1999-09-24 to 1999-12-04
OBS SS15	CSS15	Pacific Ocean, West of Costa Rica	8.5101N	83.9917W	-780	From 1999-09-26 to 1999-10-21
OBS SS16	CSS16	Pacific Ocean, West of Costa Rica	8.6100N	83.9247W	-74	From 1999-09-26 to 1999-04-12
OBS SS17	CSS17	Pacific Ocean, West of Costa Rica	8.7571N	84.0084W	-98	From 1999-09-26 to 1999-04-12
OBS SS18	CSS18	Pacific Ocean, West of Costa Rica	8.8333N	84.1532W	-109	From 1999-09-26 to 1999-04-12
OBS SS20	CSS20	Pacific Ocean, West of Costa Rica	8.8132N	83.8932W	-67	From 1999-09-26 to 1999-04-12
OBS SS21	CSS21	Pacific Ocean, West of Costa Rica	8.9766N	83.8928W	-85	From 1999-09-26 to 1999-04-12
O'Byrne Ferry	MOYM	California,U.S.A.	37.9000N	120.5670W	176	From 1972-04-19
Ocana	OCAC	Colombia	8.2388N	73.3193W	1264	
Ocara	OCBR	Ceara,Brazil	4.5813S	38.2921W	140	From 2007-01-01
Occhiobello (RO)	CAS01	Italy	44.9293N	11.5771E	5	From 2012-05-23
Ocean Bottom Seismometer	OBS	California,U.S.A.	38.0920N	124.5440W	-3840	From 1966-01-01 to 1972-12-31
Ocean Falls	OFB	British Columbia,Canada	52.3540N	127.6843W	75	
Ocean Seismic Network, Sensor 1	OSNP1	Hawaii	19.3424N	159.0938W	-4400	
Ocean Seismic Network, Sensor 2, OSN1B	OSNP2	Hawaii	19.3424N	159.0938W	-4150	
Ocean Seismic Network, Sensor 3, OSN1S	OSNP3	Hawaii	19.3424N	159.0938W	-4150	
Oceanview	VEW	South Carolina,U.S.A.	32.7177N	79.9415W	-60	
Oceanview Est	OVEH	Hawaii,U.S.A.	19.1535N	155.7653W	1378	
Ochomogo	OCM	Costa Rica	9.8948N	83.9608W	1660	
Ochoppi	061Z	Florida,U.S.A.	25.8657N	80.9070W	9	From 2012-05-14
Ochtendung	OCHT	Germany	50.3387N	7.3575E	140	
Ockenheim	GWBO	Rheinland-Pfalz	49.9360N	7.9876E	286	From 2015-12-17
O'Connell Ranch	HORM	California,U.S.A.	36.9172N	121.5080W	98	From 1967-06-26
O'Connell Ranch	OCR	California,U.S.A.	36.9172N	121.5080W	98	From 1967-06-26
Ocos	OCG	Guatemala	14.5655N	92.1217W	8	From 1984-03-01 to 1988-12-31
Ocos 2	OC2	Guatemala	14.5605N	92.1862W	5	From 1986-07-01
Ocozocoautla	OZC	Chiapas,Mexico	16.7850N	93.3730W	864	
Ocre	AKR	Italy	42.3045N	13.4411E	739	From 2009-05-10
Octopus Mountain	OCWA	Washington,U.S.A.	47.7489N	124.1781W	671	
Octopus West	OOW	Washington,U.S.A.	47.7367N	124.1890W	743	
Ocu, Herrera	OCU3	Panama	7.9450N	80.7760W	150	From 2010-01-01
OCUMARITO	OCUV	Venezuela	10.1164N	66.8000W	248	From 2004-10-08
Oda	JJO	Shimane,Japan	35.1683N	132.5033E	60	
Odare	ODAN	Nepal	26.8600N	87.3900E	2045	From 1994-04-01
Odawara	JOD	Kanagawa,Japan	35.2648N	139.0908E	360	
Odawara 2	JOD2	Kanagawa,Japan	35.2632N	139.0882E	380	
Odda	ODD	Norway	59.9500N	6.6670E	630	From 1984-11-01 to 1987-12-02
Odda	ODD1	Norway	59.9120N	6.6280E	684	From 1987-12-03
Odemis-Izmir	ODEM	Turkey	38.2762N	28.0747E	797	From 2018-05-04
Odesa	NE56	Ukraine	46.6760N	30.8990E	30	
Odessa	ODS	Washington,U.S.A.	47.3067N	118.7450W	524	From 1969-03-01
Odessa	ODSA	Texas,U.S.A.	32.1201N	102.5491W	943	From 2016-12-17
Odessa Site #2	OD2	Washington,U.S.A.	47.3910N	118.7110W	590	From 1989-06-01
Odiongan	OTPR	Luzon,Philippines	12.3620N	122.0210E	120	
Odiongan	OTRP	Panay,Philippines	12.3620N	122.0210E	120	
Od Khalfella	OKL	Morocco	32.2030N	9.1390W	122	
Odobesti	ODB	Romania	45.7747N	27.0561E	140	From 1979-01-01 to 1989-01-01
Odobesti	ODBI	Romania	45.7633N	27.0558E	181	From 2007-09-13
Odorheiu Secuiesc	ODSR	Romania	46.2969N	25.2919E	575	From 2021-10-05
ODP1027	NC27	British Columbia,Canada	47.7627N	127.7579W	-2656	From 2009-09-01
ODP889	NC89	British Columbia,Canada	48.6705N	126.8488W	-1258	From 2009-09-01
Oelwein	K39A	Iowa,U.S.A.	42.7050N	91.8878W	332	From 2011-06-11 to 2013-06-03
Oeste 158, Volcn	DHOFF	Panama	8.7820N	82.6390W	1418	
Oestervaala	OSTU	Sweden	60.2298N	17.1342E	100	From 2001-12-20
Oeyeondo	OYDB	Republic of Korea	36.2294N	126.0757E	75	From 2015-10-01
Ofenpass-Fuorn	FUORN	Switzerland	46.6202N	10.2635E	2333	From 2000-09-28
`Ofer	OFRI	Israel	32.6210N	34.9850E	520	
Offenburg	OFBG	Baden-Wurttemberg,Germany	48.4453N	7.9770E	237	From 2001-11-15 to 2020-02-01
Offenburg-Weierbach	OFFE	Baden-Wurttemberg	48.4741N	7.9775E	189	From 2016-09-01
Office Forets	ONF	Aquitaine,France	43.0950N	0.7160W		From 1985-02-01
Offida	OFFI	Italy	42.9350N	13.6857E	320	From 2006-05-16
Offshore Ravenna	PCWC	Italy	44.5097N	12.3724E	-14	From 2023-03-22
Offshore Ravenna	PCWT	Italy	44.5131N	12.3589E	-13	From 2023-03-22
Offshore Ravenna	ARMI	Italy	44.4806N	12.4528E	-19	From 2023-03-23
Offshore Ravenna	ANTE	Italy	44.3908N	12.4531E	-15	From 2023-02-16
Offshore Ravenna	AGOE	Italy	44.5409N	12.4951E	-23	From 2023-03-22
Oficina Alemania	OFA	Antofagasta,Chile	25.1525S	69.9500W	1000	From 1975-01-01
Oficina de Planificacin del Area Metropolitana de San Salvador	OPAM	El Salvador	13.7120N	89.1977W	650	

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Oftobruy	OFT	Tajikistan	40.1683N 70.6500E	1435	From 1985-10-15
Ofunato	OFUJ	Iwate,Japan	39.0802N 141.6690E	180	From 1978-01-01
Ofunato	OFU	Iwate,Japan	39.0617N 141.7180E	37	
Oga	JOG	Akita,Japan	39.9043N 139.7770E	270	
Oga	OGH	Akita,Japan	39.9050N 139.7769E	354	
Oga 2	JOG2	Akita,Japan	39.9167N 139.7893E	140	
Oga3	JOG3	Akita,Japan	39.9197N 139.0807E	92	From 2012-03-22
Ogallala	OGNE	Nebraska,U.S.A.	40.9451N 102.0330W	1054	From 2007-06-28
Ogasawara	OGS	Bonin Islands,Japan	27.0568N 142.2030E	20	From 1992-06-26
Ogden Bay	OGU	Utah,U.S.A.	41.2750N 111.9440W	1506	From 1975-09-01 to 1979-05-31
Ogden Mountain	OGMT	Montana	46.8864N 112.8878W	1619	From 2018-08-24
Ogdensburg	ODNJ	New Jersey,U.S.A.	41.0829N 74.6056W	187	From 2007-06-23
Ogdensburg	OGD	New Jersey,U.S.A.	41.0875N 74.5958W	-367	From 1961-12-12 to 1981-12-31
Ogeu	OGE	Aquitaine,France	43.1685N 0.4733W	440	
Ogilvie Camp, Yukon	I29M	Yukon Territory,Canada	65.3609N 138.3063W	602	From 2015-10-20
O'Grain Ranch, Modena	R13A	Utah,U.S.A.	38.1802N 113.9691W	1969	From 2007-06-08 to 2009-03-16
Ohabita	RO20A	Romania	45.3879N 22.0971E	367	From 2022-08-30
Ohakea	OHWZ	North Island,New Zealand	40.2056S 175.3151E	59	From 2011-03-29
Ohakune Ruapehu College	ORCS	North Island,New Zealand	39.4174S 175.4126E	606	From 2001-11-27
Ohasama	JOM	Iwate,Japan	39.4730N 141.2923E	210	
Ohata	JOT	Aomori,Japan	41.3820N 141.0482E	80	
Ohdaira	OHD	Iburi,Japan	42.5262N 140.8425E	250	
Ohid	A261A	Hungary	46.9520N 17.1486E	171	From 2016-01-26
O'Higgins	OHC	Antarctic Peninsula	63.3167S 57.9000W	20	
Ohinepanea	OPRZ	North Island,New Zealand	37.8443S 176.5549E	134	From 2006-11-14
Ohio Geological Survey, Columbus	OGSO	Ohio,U.S.A.	40.0568N 82.9654W	268	
Ohio Stadium, The Ohio State Univ., Columbus, OH	SHOE	Ohio	40.0029N 83.0198W	251	From 2020-11-09
Ohio State University	OSUO	Ohio,U.S.A.	39.9981N 83.0109W	226	
Ohio State University--Lima	OSLO	Ohio,U.S.A.	40.7390N 84.0250W	284	
Ohio State University--Mansfield	OSMO	Ohio,U.S.A.	40.7970N 82.5790W	420	
Ohio University	OUAO	Ohio,U.S.A.	39.3220N 82.0970W	217	
Ohira	OHJ	Tochigi,Japan	36.3600N 139.6924E	250	
Ohlone	OHLN	California,U.S.A.	38.0064N 122.2730W	-196	
Ohmine	OMJ	Nagano,Japan	36.6677N 138.1820E	506	
Ohonua, Eua	EUAT	Tonga	21.3475S 174.9542W	60	
Ohrid	OHR	North Macedonia,North Macedonia	41.1114N 20.7989E	739	From 1969-01-01
Oil Creek State Park, Oil City	M54A	Pennsylvania,U.S.A.	41.5079N 79.6647W	488	From 2010-11-04
Oil Creek State Park, Oil Creek	PAOC	Pennsylvania,U.S.A.	41.5160N 79.6811W	337	From 2016-08-01
Oil house	OILH	Turkey	40.8636N 28.9921E	14	From 2006-10-04
Oil Point	OPT	Alaska,U.S.A.	59.6526N 153.2321W	602	From 2005-11-01
Oil Pt	P19K	Alaska,U.S.A.	59.6524N 153.2319W	629	From 2015-06-24
Oio	OIZ	North Island,New Zealand	39.0449S 175.3927E	470	From 1990-08-14 to 2004-04-27
Oiseley-et-Grachaux	OISEL	France	47.4373N 5.9172E	422	From 2018-06-05 to 2020-01-01
Oishiyama	OIS	Wakayama,Japan	34.1053N 135.3270E	678	From 1966-01-07 to 1971-11-04
Oishiyama (A)	OIA	Wakayama,Japan	34.1031N 135.3200E	756	From 1971-08-10
Oishiyama (B)	OIB	Wakayama,Japan	34.0998N 135.3210E	776	From 1971-08-10
Oishiyama (C)	OIC	Wakayama,Japan	34.0989N 135.3170E	776	From 1971-08-10
Oita	OIT	Oita,Japan	33.2333N 131.6230E	5	
Oita 2	OIT2	Oita,Japan	33.2782N 131.4518E	460	From 1994-07-07
Oiwake	OIW	Nagano,Japan	36.3400N 138.5520E	1001	
Ojanco, Jaen	E033	Spain	38.3616N 2.9074W	687	From 2008-04-23 to 2010-02-28
Ojcow	OJC	Poland	50.2195N 19.7984E	391	From 1992-04-01
Ojen	OJEN	Spain	36.0993N 5.5408W	816	
Ojochal	OCHAL	Costa Rica	9.0976N 83.6456W	137	From 2016-02-01
Ojo de Agua	OJOS	El Salvador	13.8633N 89.2367W	645	From 1991-12-01
Ojos Negros	OJONX	Baja California	31.8573N 116.0990W	893	From 2021-01-20
Okabe	OKB	Shizuoka,Japan	34.9500N 138.2538E	-30	
Okahao	HAON	Namibia	17.8869S 15.0599E	1099	
Okains Bay	OKCZ	South Island,New Zealand	43.7233S 173.0595E	492	From 2012-03-01
Okamatapati	OKAM	Namibia	20.4073S 18.2187E	1200	
Okamoto-Ura	KV09	Miyazaki,Japan	32.0183N 130.7878E	280	
Okavango Research Center	ORC1	Botswana	19.9000S 23.5200E	954	From 2001-01-01 to 2100-12-31
Okayama	OKA1	Okayama,Japan	34.6583N 133.9180E	17	
Okayama	OKA	Okayama,Japan	34.6817N 133.9150E	5	
Okayama 2	OKA2	Okayama,Japan	34.6417N 133.9520E	77	
Okeechobee	959A	Florida,U.S.A.	27.5240N 80.8791W	23	From 2012-03-08
Okgye-meyeon	OKEB	Republic of Korea	37.6209N 128.9803E	302	From 2011-12-07
Okha	OKH	Sakhalinskaya Oblast',Russia	53.5500N 142.9330E	24	
Okhotsk	OKHR	Khabarovskiy Kray,Russia	59.3610N 143.2480E	8	From 2005-10-05
Okhotsk	OHTR	Khabarovskiy Kray,Russia	59.3586N 143.3308E	40	
Okhotsk	OKHT	Khabarovskiy Kray,Russia	59.3570N 143.2400E	2	From 2007-08-15
OKI	JOI	Shimane,Japan	36.2908N 133.2482E	106	From 2010-12-01
Okiep	OKP	South Africa,South Africa	29.6467S 17.9650E	936	
Okijuku	OKI	Ibaraki,Japan	36.0500N 140.2500E		
Okinoerabujima	JOKE	Ryukyu Islands,Japan	27.3612N 128.5708E	235	From 2010-02-01
Oklahoma City	OKCFA	Oklahoma,U.S.A.	35.4153N 97.4514W	379	From 2008-04-22
Oklahoma City	OCO	Oklahoma,U.S.A.	35.5240N 97.4740W	351	From 1982-05-21
OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA SSA	OKCSSA	Oklahoma,U.S.A.	35.4055N 97.4380W	379	From 2008-04-22
Okla Sci Mus	OK004	Oklahoma,U.S.A.	35.5232N 97.4748W	352	
Okmok	OKAK	Alaska,U.S.A.	53.5790N 168.3578W	165	
Okmok Cone D	OKCD	Alaska,U.S.A.	53.4303N 168.1123W	459	
Okmok Cone E	OKCE	Alaska,U.S.A.	53.4270N 168.1643W	515	
Okmok Cone F	OKCF	Alaska,U.S.A.	53.3958N 168.1362W	685	
Okmok East Rim	OKER	Alaska,U.S.A.	53.4537N 168.0512W	956	
Okmok Mt. Idak	OKID	Alaska,U.S.A.	53.4774N 167.8162W	437	
Okmok Mt. Tulik	OKTU	Alaska,U.S.A.	53.3839N 168.0411W	646	
Okmok New Cone D	OKNC	Alaska,U.S.A.	53.4568N 168.1238W	404	
Okmok R'deer Pt	OKRE	Alaska,U.S.A.	53.5202N 168.1641W	422	
Okmok South	OKSO	Alaska,U.S.A.	53.3574N 168.1599W	460	
Okmok Steeple Pt	OKSP	Alaska,U.S.A.	53.2526N 168.2905W	608	
Okmok West Rim	OKWR	Alaska,U.S.A.	53.4347N 168.2056W	1017	
Okmok W'ng Wall	OKWE	Alaska,U.S.A.	53.4721N 168.2398W	445	
Okolona	Y40A	Arkansas,U.S.A.	34.0124N 93.2798W	117	From 2011-01-28 to 2012-11-08
Okreek	J29A	South Dakota,U.S.A.	43.4061N 100.3253W	644	From 2009-09-18 to 2011-05-05
Oktyabr'skiy	OCTB	Amurskaya Oblast',Russia	53.0175N 128.6434E	370	From 2010-01-14
Okuchi	JZO	Kagoshima,Japan	32.1400N 130.5985E	440	
Okuno	OKN	Shizuoka,Japan	34.9319N 139.0706E	140	
Okura	JOU	Yamagata,Japan	38.3655N 140.6640E	390	
Okushiri	OKS	Hiyama,Japan	42.0650N 139.4433E	35	From 1993-07-15
Okushiri--Matsue	JOSM	Hiyama,Japan	42.0827N 139.4752E	79	
Okushj	JOR	Hiyama,Japan	42.0667N 139.4450E	33	
Okuyama	OKY	Yamanashi,Japan	35.2273N 138.4212E	620	From 1978-06-01
Ola	OLAR	Magadanskaya Oblast',Russia	59.6078N 150.9993E	350	From 2009-12-27 to 2010-01-23
Olander Ranch, Little River	R33A	Kansas,U.S.A.	38.3081N 97.9842W	497	From 2009-10-17 to 2011-08-25
OLAS	OLAS	Saudi Arabia	26.2480N 37.6290E	952	
Olathe, N25	NCR25	Colorado	38.6432N 108.0090W	1612	
Olbia	OLB	Sardinia,Italy	40.9267N 9.4956E	5	
Oldbury-Upon-Severn	OLDB	England,United Kingdom	51.6609N 2.5515W	6	From 2009-07-14
Old Crow	F28M	Yukon Territories,Canada	67.6136N 139.8717W	564	From 2017-08-18
Old Faithful	YFT	Wyoming,U.S.A.	44.4513N 110.8358W	2292	
Old Faithful	YPOF	Wyoming,U.S.A.	44.4525N 110.8413W	2260	From 1972-10-01 to 2004-03-05
Old Forge	I58A	New York,U.S.A.	43.6901N 74.9733W	599	From 2013-08-26
Old Graveyard	OGTN	Tennessee,U.S.A.	36.4200N 89.4860W	91	
Old Harbor	OHAK	Kodiak Island,U.S.A.	57.2225N 153.2875W	77	From 2006-06-23
Old House Field, Plymouth	M46A	Indiana,U.S.A.	41.4079N 86.3524W	242	From 2011-10-24
Old Mammoth Mine	OMM	California,U.S.A.	37.6123N 119.0004W	2750	From 2000-07-12 to 2009-06-26
Old Mammoth Mine - surface	OMMB	California,U.S.A.	37.6131N 119.0005W	2768	
OLD MILL DISTRICT, BEND, OREGON	OMDBO	Oregon,U.S.A.	44.0441N 121.3093W	1118	From 2020-12-26
Ol Doinyo Lengai	OLDO	Tanzania	2.7087S 35.9055E	1137	From 2017-11-29
Oldoinyo Lengai SS	MW36	Tanzania	3.0158S 35.9981E	847	From 2013-01-17 to 2014-12-07
OLDS	OLDS	Sweden	56.6190N 16.4990E	5	
Oldufell	IOLF	Iceland	63.7517N 18.8408W	472	From 2016-07-13
Oldupai Boma	PR62	Tanzania	2.9834S 35.3736E	1454	From 2013-01-20 to 2014-12-06
Old Woman Plateau	OWUT	Utah,U.S.A.	38.7800N 111.4240W	2568	From 1989-02-08
Oleftalsperre	OLFT	Nordrhein-Westfalen,Germany	50.4939N 6.4202E	470	From 1988-06-01
Olekminsk	OLMR	Sakha,Russia	60.3756N 120.4629E	45	From 2010-06-11
Olema	NOLM	California,U.S.A.	38.0397N 122.7930W	30	From 1977-02-23
Olema	OLC	California,U.S.A.	38.0397N 122.7930W	30	From 1966-12-22 to 1977-02-23
Ole Sokoine	MW41	Tanzania	3.2305S 36.4448E	2001	From 2013-01-18 to 2014-12-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Olintepeque	OLG	Guatemala	14.8977N	91.5077W	2855	
Oliver, Polo	L42A	Illinois,U.S.A.	42.0040N	89.6670W	257	From 2011-11-05 to 2013-11-19
Olkaria	OLK	Kenya	0.8880S	36.3240E	1751	From 1995-03-01 to 1996-10-31
Olkaria West	OLWK	Kenya	0.8380S	36.2640E	1780	From 1996-10-01 to 1997-04-30
Ollague	OLL	Tarapaca,Chile	21.1750S	68.3717W	4000	From 1965-11-01 to 1999-08-25
OLMEDO, CENTRO DE SALUD	AOLM	Ecuador	1.3957S	80.2044W	58	From 2016-04-22
Olmeto	UOLM	Italy	42.9888N	12.3398E	299	From 2007-06-10
Olmsteadville	I59A	New York,U.S.A.	43.7957N	73.8744W	390	From 2013-09-18
Olmue	OLCH	Valparaiso,Chile	32.9939S	71.1728W	173	
Olney	OLIL	Illinois,U.S.A.	38.7338N	88.0991W	150	
Olofstrom	OLF	Sweden	56.3080N	14.4700E	118	From 1980-01-01 to 1991-12-31
Olo Olo	VSALE	Vanuatu	15.6460S	166.8299E	142	
Olot	OLOS	Spain	42.1814N	2.4893E	436	From 1995-06-07
Olot	OLT	Spain	42.1443N	2.4743E	700	From 1986-01-01 to 2006-12-31
Olten Spital, SO	SOLS	Switzerland	47.3554N	7.9047E	397	From 2015-09-15
Oltu	EOLT	Turkey	40.5452N	41.9728E	1275	From 2007-01-01 to 2012-08-31
Olula del Rio	EXOR	Spain	37.3530N	2.2970W	520	
Olym-Cheeka Pk	OCP	Washington,U.S.A.	48.2979N	124.6252W	487	
Olym-F Res Ctr	OFR	Washington,U.S.A.	47.9331N	124.3960W	152	
Olympia	OLW	Washington,U.S.A.	47.0728N	122.9220W	37	From 1986-08-02
Olympic Penn College CREST BB SMO	OPC	Washington,U.S.A.	48.1001N	123.4129W	90	From 2001-05-30
Olympics--Bonidu Creek	OBC	Washington,U.S.A.	48.0353N	124.0780W	938	From 1980-07-01
Olympics--Burnt Hill	OBH	Washington,U.S.A.	47.3263N	123.8660W	383	
Olympics--Forks	OFK	Washington,U.S.A.	47.9500N	124.3580W	134	From 1980-07-01
Olympics--Lake Quinault	OLQ	Washington,U.S.A.	47.5161N	123.8088W	121	
Olympics--North River	ON2	Washington,U.S.A.	46.8808N	123.7811W	257	
Olympics--North River	ONR	Washington,U.S.A.	46.8771N	123.7710W	257	From 1980-07-01 to 2004-10-21
Olympics--Salmon Ridge	OSR	Washington,U.S.A.	47.5056N	123.9620W	815	From 1989-09-13
Olympics--Snow Dome	OSD	Washington,U.S.A.	47.8208N	123.7020W	2010	
Olympics--Sooes Peak	OSP	Washington,U.S.A.	48.2849N	124.5900W	585	From 1983-10-01
Olympics--Tyee Ridge	OTR	Washington,U.S.A.	48.0833N	124.3440W	712	
Olyphant	OLY	Arkansas,U.S.A.	35.5030N	91.4700W	236	From 1979-11-06
Omae zaki	OMA	Shizuoka,Japan	34.6017N	138.2167E	-165	
Omahuta	OUZ	North Island,New Zealand	35.2197S	173.5961E	63	From 1991-03-11
Omak	OMW	Washington,U.S.A.	48.4803N	119.5610W	421	From 1975-06-01
Omania	OMRZ	North Island,New Zealand	38.1062S	176.3717E	566	From 2007-04-04
Omchak	OCHR	Magadanskaya Oblast',Russia	61.6653N	147.8667E	820	
Omega	OMEGA	Arkhangel'skaya Oblast'	80.7841N	47.7322E	24	From 2015-08-25
Omesuri Atau Wulandoni	WLFM	Indonesia	8.5311S	123.4500E	74	From 2020-12-31
Ometepe	OME	Nicaragua	11.5377N	85.6837W	181	
Omihachiman	OHM	Shiga,Japan	35.1738N	136.0835E	120	
Omiya	OOM	Yamanashi,Japan	35.2167N	138.6330E		
OMME Coamo	MCPR	Caribbean Sea	18.0771N	66.3624W	130	From 2023-03-24
Omolon, Chukotka	OMOL	Magadanskaya Oblast',Russia	65.2320N	160.5360E	260	From 1982-06-01 to 1993-08-01
OMP - Tarbes	EVMP	Midi-Pyrenees	43.2241N	0.0493E	306	From 2022-12-06
Omsukchan	OMS	Magadanskaya Oblast',Russia	62.5150N	155.7750E	527	
Onahama	ONA	Fukushima,Japan	36.9450N	140.9070E	5	
Onalaska	E04A	Washington,U.S.A.	46.5934N	122.7204W	215	From 2005-10-27 to 2008-02-12
Onan Ganjang, Sumatera Utara	ONSM	Indonesia	2.1599N	98.6301E	1158	From 2019-01-01
Onbets	JOB	Kushiro,Japan	42.9033N	143.8347E	60	
Oncesti	ONCR	Romania	46.4643N	27.2672E	234	From 2004-07-13
Onchagaon	UGON	Uttar Pradesh,India	28.3100N	77.9100E	237	From 2001-04-27
Oneida	ONTN	Tennessee,U.S.A.	36.4815N	84.4433W	635	
O'Neill	K31A	Nebraska,U.S.A.	42.6229N	98.7546W	580	From 2010-08-20 to 2012-04-26
Onerahi	ONE	North Island,New Zealand	35.7740S	174.3627E	30	From 1954-08-28 to 1985-09-26
Onesti	ONS2	Romania	46.2487N	26.7599E	216	From 2015-09-14
Ongerup, WA	ONGER	Western Australia	33.8637S	118.3956E	339	From 2020-06-17
Ongoro	ONG	Peru	15.8990S	72.4732W	880	
Ongureny	OGRR	Irkutskaya Oblast',Russia	53.6433N	107.5950E	495	
Oni	ONI	Georgia,Georgia	42.5903N	43.4525E	834	From 1967-03-02
Onida	H29A	South Dakota,U.S.A.	44.6261N	100.2125W	548	From 2009-09-11 to 2011-06-30
Onioshidashi	ODSE	Gumma,Japan	36.4219N	138.5219E	1710	
Onna	MI03	Italia	42.3274N	13.4757E	581	From 2009-04-07 to 2009-06-09
Onokovtsy	ONO	Carpathian Mountains	48.6640N	22.3330E	168	From 1963-01-01
Onsala	ONSU	Sweden	57.3966N	11.9260E	4	
Onsala	ONAU	Sweden	57.3965N	11.9177E	16	From 2012-08-01
Ontario (NY)	ONTR	New York,U.S.A.	43.2738N	77.3067W	84	
Onyx Ranch	WORM	California,U.S.A.	35.6956N	118.2425W	795	
Oodnadatta	OOD	South Australia,Australia	27.7944S	135.6880E	111	From 2013-07-17
Oohira	OHRN	Gifu,Japan	35.4877N	137.1946E	330	
Ooide	K09	Iwate,Japan	39.4742N	141.5114E	446	
Ooka	OKAH	Hawaii,U.S.A.	19.4943N	154.9240W	180	
Oologah	OLO	Oklahoma,U.S.A.	36.4573N	95.7108W	196	From 1976-11-28 to 1977-08-07
Oologah	U36A	Oklahoma,U.S.A.	36.3927N	95.7325W	187	From 2010-06-19 to 2012-02-12
Oonami East	KV05	Kagoshima,Japan	31.9217N	130.8586E	1300	
Oonami West	KV03	Kagoshima,Japan	31.9217N	130.8425E	1188	
Oonodaira	K10	Iwate,Japan	39.4958N	141.5147E	616	
Ooshika	OOS	Nagano,Japan	35.5797N	138.0488E	805	
Ootomari	OOT	Sakhalinskaya Oblast',Russia	46.6500N	142.7670E	36	
Opal Mound	OPL	Utah,U.S.A.	38.4817N	112.8720W	1766	
Opana	OPA	Hawaii,U.S.A.	21.6872N	158.0097W	138	From 1965-04-01
Opawa School	OPWS	South Island,New Zealand	43.5562S	172.6643E	18	From 2012-04-19
Opelika	151A	Alabama,U.S.A.	32.5269N	85.3267W	211	From 2012-01-19 to 2013-08-09
Opi	OPI	Italy	41.7763N	13.8302E	1170	From 2018-06-14
Opiter	BOPT	Belgium	51.1118N	5.6350E	51	From 2007-03-06
Oploo	OPLO	Netherlands	51.5888N	5.8121E	0	
Opoqueri	SOEO	Bolivia	18.5631S	67.8868W	3765	From 2017-04-01
Opotiki College	OPCS	North Island,New Zealand	38.0141S	177.2892E	9	From 2001-12-03
Oppeano	OPPE	Italy	45.3082N	11.1724E	20	From 2009-09-24
Oppenau	OPP	Baden-Wurttemberg,Germany	48.4961N	8.1856E	421	From 2008-04-01
Oppenburg	D155	Austria	47.4258N	14.2890E	1149	From 2019-12-16
Oppido Mamertina	OPPI	Italy	38.2675N	16.0100E	770	From 2017-12-14
Opunake Primary School	OPSS	North Island,New Zealand	39.4500S	173.8550E	34	From 2011-12-02
Opuwo	OPU	Namibia	18.0667S	13.8487E	1214	
Oracle	117A	Arizona,U.S.A.	32.5716N	110.7393W	1544	From 2007-04-06 to 2008-12-03
Oradea	ORD1	Romania	47.0536N	21.9322E	129	From 2015-09-30
Oraiokastro	OREA	Greece	40.7270N	22.9145E	260	
Oran	USTO	Algeria	35.7333N	0.5500W	0	
Oran	ORA	Buryatiya,Russia	55.9250N	113.6690E	705	
Orange	ORNG	New South Wales,Australia	33.3019S	149.0937E	850	From 2011-05-02
Orangeburg	OSB	South Carolina,U.S.A.	33.5472N	80.8444W	91	From 1977-04-02
Orangeburg	OSC	South Carolina,U.S.A.	33.5397N	80.8250W	60	
Orange Hill	OHS	St Vincent,Saint Vincent and the Grenadines	13.3170N	61.1480W	274	
Orange Park	557A	Florida,U.S.A.	30.0160N	81.7291W	24	From 2012-02-05
Oratoire Sainte Anne ISOLA	ORSA	Provence-Cote d'Azur	44.2087N	7.1100E	1717	From 2022-09-28
Oratorio	IRZU	Costa Rica	9.8975N	83.8385W	1811	From 2004-01-01
Oratorio Salesiani, Corso Carlo Alberto, Ancona	CMA07	Italy	43.6057N	13.5037E	5	From 2022-11-13
Oratorio, Santa Rosa	SROR	Guatemala	14.2311N	90.1984W	1180	From 2021-06-11
Orbe	ORB	Switzerland	46.7167N	6.5167E		
Orbita	ORBT	Magadanskaya Oblast',Russia	59.7234N	151.0082E	148	From 2009-12-27 to 2010-02-26
Orcadas	ORCD	South Orkney Islands	60.7381S	44.7361W		
Orchard Mesa	OMCO	Colorado,U.S.A.	39.0270N	108.5170W	1460	
Orchilla, El Hierro	CORC	Canary Islands,Spain	27.7047N	18.1448W	97	From 2011-07-01
Ordiarp	ORDF	Aquitaine,France	43.2135N	0.9357W	270	From 1997-10-28
Ordubad	ORD	Azerbaijan	38.9280N	45.9940E	945	From 2011-11-30
Ordu-Boztepe	ORDU	Turkey	40.9910N	37.8571E	526	From 2010-12-03
Oregon House	AOHM	California,U.S.A.	39.3753N	121.2560W	457	From 1977-02-14
Orenburg	ORR	Orenburgskaya Oblast',Russia	51.6184N	54.7530E	91	From 2004-10-26
Orenburg-2	OR2	Orenburgskaya Oblast',Russia	51.7356N	55.0319E	84	From 2007-08-31
Orenburg-3	OR3	Orenburgskaya Oblast',Russia	51.9005N	54.4098E	188	From 2008-07-17
Orenkoy-Mersin	OREN	Turkey	36.2077N	33.4586E	54	From 2011-07-01
Orepuki	ORPS	South Island,New Zealand	46.2868S	167.7651E	71	From 2016-04-18
Oreshnoe	ORHR	Krasnoyarskiy Kray,Russia	55.3020N	93.6650E	444	From 2003-03-07
Oretz Creek	ORTZ	Israel	30.9763N	35.2605E	1	From 2019-06-12
Organos	IIO	Tlaxcala,Mexico	19.5915N	98.7225W	2940	
Organ Pipe National Monument, Ajo	214A	Arizona,U.S.A.	31.9559N	112.8115W	543	From 2007-05-07
Organya	ORG	Spain	42.2278N	1.3322E	740	
Organya	CORG	Spain	42.2303N	1.3176E	716	
Orgiva	ORGV	Spain	36.8572N	3.4322W	1600	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Orhaneli	ORLT	Turkey	40.0460N	28.8960E	649	
Orhangazi	ORHG	Turkey	40.5133N	29.2987E	174	From 2005-09-25
Orhaniye	ORH	Turkey	40.8602N	30.0707E	320	From 1995-01-01
Oriahovo	ORIA	Bulgaria	43.7263N	23.9664E	231	From 1994-06-09
Oricopia Mountain	ORCC	California,U.S.A.	33.5662N	115.7692W	1087	
Orie	ORY	Krasnoyarskiy Kray,Russia	55.0031N	95.1089E	378	From 2004-03-19
Oriolo Calabro	OR1	Italy	40.0635N	16.4492E	375	
Oriolo Calabro	ORI	Italy	40.0635N	16.4492E	375	
Oris-en-Rattier	ORIF	Rhone-Alpes,France	44.9183N	5.8800E	1082	From 1996-04-03
Orista	CORI	Spain	41.9735N	2.0499E	331	From 2006-02-01
Oritupano	ORIV	Venezuela	9.0700N	63.4090W	123	From 2002-05-06
Orivesi, Finland	TRE03	Finland	61.6162N	24.2113E	131	From 2021-05-11
Orizaba	OZST	Veracruz	18.8607N	97.0942W	1251	
Orjiva, Granada	E007	Spain	36.8605N	3.4291W	1289	From 2007-09-13 to 2009-06-26
Orkelljunga	ORK	Sweden	56.2680N	13.2620E	96	From 1980-01-01 to 1991-12-31
Orlando	OR-	Florida,U.S.A.	28.4669N	81.2214W	20	From 1963-05-14 to 1963-09-15
Orlando	OR-FL	Florida,U.S.A.	28.4669N	81.2214W	20	From 1963-05-14 to 1963-09-15
Orleans, Heritage Park	ORHO	Ontario,Canada	45.4563N	75.5367W	51	From 2007-06-19
Orleans, Innes Road, Ontario	ORIO	Ontario,Canada	45.4515N	75.5110W	74	From 2008-06-19
Orleans Mountain	KOMM	California,U.S.A.	41.2788N	123.4520W	1181	
Orlik	ORL	Buryatiya,Russia	52.5389N	99.8100E	1360	
Ormoc	OCLP	Leyte,Philippines	11.0510N	124.6090E	130	
Ormstown	G58A	Quebec,Canada	45.1492N	74.0540W	53	From 2013-07-25
Oroboro, Fairlee	I61A	Vermont,U.S.A.	43.9323N	72.2087W	287	From 2013-09-03
Orocuina	CHOHN	Choluteca,Honduras	13.4799N	87.1584W	1000	From 2016-01-01
Orongorongo Tunnel	OTW	North Island,New Zealand	41.2758S	175.0044E	220	From 1992-07-28 to 2004-06-08
Orono	ORNO	Maine,U.S.A.	44.8920N	68.6720W	100	From 2008-12-01
Oropa	ORX	Italy	45.6325N	7.9817E	1250	
Oropa	ORO	Italy	45.6275N	7.9814E	1160	
Orotina	OROT	Costa Rica	9.9120N	84.5260W	229	
Orotukan	ORTS	Magadanskaya Oblast',Russia	62.2600N	151.3400E	470	
Oroville	ORV	California,U.S.A.	39.5545N	121.5004W	334	From 1963-01-01
Oroz-Betelu	EORO	Spain	42.8926N	1.3095W	880	From 2007-04-27
Orpen Rest Camp, 3A16	M3A16	South Africa	24.4772S	31.3896E	452	
Orr Springs	ORRS	California	39.2722N	123.4343W	588	From 2022-07-25
Orsara di Puglia	ORP	Italy	41.2792N	15.2649E	717	From 2008-06-17
Orsara di Puglia	FG5	Italy	41.2825N	15.2678E	660	
ORSARA DI PUGLIA	ORS	Italy	39.7980N	15.9066E	130	From 2008-01-15
Ortayu	OTUK	Kazakhstan	48.2445N	72.3378E	602	From 2010-02-10
Ortega, Santa Cruz, Guanacaste	ORTG	Costa Rica	10.3623N	85.4590W	760	From 2012-10-03
Ortega, Tolima	ORTC	Colombia	3.9090N	75.2460W	446	From 2013-06-20
Orte (VT)	ORTE	Italy	42.4607N	12.3845E	130	From 2022-07-11
Orthonies,Zakynthos,Greece	ORTH	Greece	37.8511N	20.6963E	450	From 2018-10-27
Orti	OII	Italy	38.1533N	15.6892E		
Ortigia (SR)	FX01	Italy	37.0586N	15.2964E	50	From 2021-12-22 to 2023-02-02
Ortiz Mountain	OTZ	New Mexico,U.S.A.	35.7603N	106.1730W	2091	From 1976-09-17
Ortiz Mt. (NFS), Santa Fe National Forest	V23A	New Mexico,U.S.A.	35.7452N	106.1833W	1991	From 2008-05-05 to 2010-04-08
Ortonville	G33A	Minnesota,U.S.A.	45.1946N	96.4383W	338	From 2010-10-07 to 2012-07-22
Orto-Tokoy	OTK	Kyrgyzstan	42.3460N	76.0170E	1700	
Orzinuovi	ORZI	Italy	45.4056N	9.9307E	83	From 2008-04-24
Os	OSGS	Norway	60.1900N	5.4600E	30	From 2002-01-01
Osaka	OSA	Osaka,Japan	34.6783N	135.5220E	13	
Osaka	OSK	Osaka,Japan	34.6117N	135.6600E	472	
Osaka (C)	OSAC	,Japan	34.6530N	135.4320E	678	
Osaka (K)	OSAK	,Japan	34.6530N	135.5340E	678	
Osakifurukawaosaki	JOFO	Miyagi,Japan	38.6022N	140.9112E	29	From 2012-11-01
Osborn	OSBY	New York,U.S.A.	41.3603N	73.9239W	212	
Oschiri	OSKI	Italy	40.8210N	9.1083E	896	From 2006-12-12
Oseberg A Platform	OSG	Norway	60.4970N	2.8760E	-100	From 1988-01-01 to 2003-04-05
Osh	OHH	Kyrgyzstan	40.5240N	72.7850E	980	
Oshima	OSH	Bonin Islands,Japan	34.7617N	139.3783E	191	
Oshima	OSHJ	Bonin Islands,Japan	34.7467N	139.3670E	76	From 1991-12-18
O shima 2	JIM	Bonin Islands,Japan	34.7617N	139.3767E	190	
Oshima 3	JIM2	Bonin Islands,Japan	34.7175N	139.4312E	405	
Oshimamatsumae	JOMM	Hokkaido,Japan	41.5248N	140.0069E	27	From 2013-07-01
Osimo	MOSM	Italy	43.4900N	13.4940E	117	From 1998-03-28
Osimo (AN)	T1714	Italy	43.4764N	13.3879E	117	From 2022-11-09
Osimo (AN)	AD06	Italy	43.4944N	13.4366E	112	From 2010-03-30
Osito Audit: Castaic Lake Dam, Castaic	OSI	California,U.S.A.	34.6145N	118.7235W	718	From 1995-06-28
Oskarshamn	OSKU	Sweden	57.1947N	16.0994E	100	From 2002-11-01
Oslo	OO-NW	Norway	61.0547N	10.8661E	555	
Oslo	OSL	Norway	59.9372N	10.7227E	70	
Oslo	OO-	Norway	61.0547N	10.8661E	555	
Osmaniye	KAMA	Turkey	37.1861N	36.6677E	983	From 2009-10-06
Osmaniye	OSMT	Turkey	40.6022N	29.7002E	820	From 1993-01-01
Os-Marcillon	OSML	Aquitaine,France	43.3892N	0.5928W	105	
OSOP	GCG4	Guatemala	14.5873N	90.5325W	1502	From 2016-01-01
Osorio	EOSO	Spain	28.0718N	15.5525W	760	
Osorno	OSCH	Valdivia,Chile	40.5758S	73.1276W	45	
Ospenovka	USP	Kazakhstan	43.2669N	74.4997E	740	
Osservatorio Astronomico di Roma	NR16	Italy	41.9232N	12.4526E	137	From 2021-01-19 to 2021-04-06
Osservatorio Polifunzionale del Chianti	OSSC	Italy	43.5236N	11.2458E	450	
Osses	OSSF	Aquitaine,France	43.2560N	1.2618W	240	From 1997-06-01
Ossining	OSNY	New York,U.S.A.	41.2117N	73.8283W	122	
Ossora	OSSR	Kamchatskaya Oblast',Russia	59.2500N	163.0600E	5	
Ostas	OSTC	Czech Republic	50.5565N	16.2156E	554	From 2005-07-01
Ostende	BOST	Belgium	51.2382N	2.9387E	3	From 2009-05-01
Ostervraa, Denmark	OVD	Denmark	57.3173N	10.2063E	50	From 2015-10-08
Ostiglia (MN)	MIR07	Italy	45.0810N	11.1301E	13	From 2012-05-23
Ostrava-Krasne	OKC	Czech Republic	49.8375N	18.1472E	272	From 1994-01-01
Ostromysovka	OSMR	Sakhalinskaya Oblast',Russia	47.2450N	143.0100E	30	From 2004-11-10
Ostuacan	OSCM	Chiapas,Mexico	17.4056N	93.3347W		
Ostula	OSM	Michoacan,Mexico	18.4972N	103.4719W		
Oswego	OSWG	New York,U.S.A.	43.5170N	76.4162W	84	
OT011	OT011	Ontario,Canada	45.3939N	75.7149W	94	From 2005-10-21
Otaenga	OTNZ	New Zealand	35.5902S	173.8251E	142	From 2022-12-20
Otahua Downs	ODZ	South Island,New Zealand	45.0440S	170.6446E	274	From 1990-08-31
Otaki Gorge	OGWZ	North Island,New Zealand	40.8167S	175.1704E	206	From 2007-09-24
Otaki School	OTKS	North Island,New Zealand	40.7549S	175.1438E	9	From 2001-10-23
Otama	JFT	Fukushima,Japan	37.5182N	140.3367E	350	
OTAMA OYAMA	JOTO	Fukushima	37.5598N	140.3337E	434	From 2016-10-12
Otara	OTAZ	North Island,New Zealand	36.9494S	174.9249E	140	From 1996-09-17 to 2009-12-23
Otavalo	AOTA	Ecuador	0.2401N	78.2557W	2529	From 2011-03-31
Otavalo	OTAV	Ecuador	0.2376N	78.4508W	3492	
Otay Lakes Park	OLP	California	32.6077N	116.9302W	159	From 2001-01-10
Otepa	OTP	Tuamotu,French Polynesia	18.1675S	140.8570W	2	From 1976-01-01
Oterleek	OTL4	Netherlands	52.6289N	4.8227E	-204	From 1995-04-21
Oterleek	OTL1	Netherlands	52.6289N	4.8227E	-54	From 1995-04-21
Oterleek	OTL	Netherlands	52.6299N	4.8226E	-3	
Oterleek	OTL3	Netherlands	52.6289N	4.8227E	-154	From 1995-04-21
Oterleek	OTL2	Netherlands	52.6289N	4.8227E	-104	From 1995-04-21
Othello	OT2	Washington,U.S.A.	46.7214N	119.2350W	355	From 1988-12-01 to 2001-11-01
Othello	OTH	Washington,U.S.A.	46.7390N	119.2160W	384	From 1969-03-01
Othello 3	OT3	Washington,U.S.A.	46.6690N	119.2330W	322	
Otiai	OTI	Sakhalinskaya Oblast',Russia	47.3333N	142.7830E		
Otisfield	I63A	Maine,U.S.A.	44.0505N	70.5809W	177	From 2013-09-27
Otocac	OTOC	Croatia	44.8722N	15.2306E	452	From 2023-09-18
Ottaviano, Vesuvio (NA), Italy	OTV	Italy	40.8392N	14.4663E	363	From 1996-03-20
Ottawa	OTT	Ontario,Canada	45.3942N	75.7167W	77	From 1906-01-01
Ottawa Anderson Road	OTAO	Ontario	45.4069N	75.5526W	21	From 2019-02-04
Ottawa-Fire-Stn-94	ONN12	Ontario	45.2200N	75.6740W	61	From 2021-09-20
Otterbach	OTTER	Switzerland	47.5778N	7.6038E	298	From 2006-01-01
Otterbach 1 (BS)	OTER1	Switzerland	47.5777N	7.6037E	-206	From 2009-10-01
Otterbach 2 (BS)	OTER2	Switzerland	47.5791N	7.6046E	-2487	From 2006-10-01
Otter Creek Ranch, Eureka	S35A	Kansas,U.S.A.	37.6821N	96.3190W	334	From 2010-03-26 to 2012-03-04
Otter Lake	F55A	Quebec,Canada	45.8338N	76.3510W	218	From 2012-11-08
Otter Rapids	OTRO	Ontario,Canada	50.1818N	81.6286W	109	
Oturere	OTVZ	North Island,New Zealand	39.1631S	175.6651E	1506	From 2004-11-18
Ouaha Hills	OAHZ	New Zealand	38.8458S	176.0475E	662	From 2020-12-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ouanaham	OUA	Loyalty Islands,New Caledonia	20.7747S	167.2440E	29	
Oud Koma	ODK	Djibouti	11.5932N	42.4901E	100	From 1987-01-01
Oued Athmania	COAT	Algeria,Algeria	36.2340N	6.2840E	840	
Oued Fodda	EOFD	Algeria,Algeria	36.0470N	1.6100E	529	
Oued Fodda	OFD	Algeria	36.0667N	1.6000E	377	From 1935-01-01 to 1982-12-31
Oued Kramis	EKMS	Algeria,Algeria	36.3140N	0.6420E	192	
Ouen Island, New Caledonia	OUENC	New Caledonia	22.4183S	166.8416E	115	From 2011-08-09
Ouen Toro	ONTNC	New Caledonia	22.3073S	166.4540E	107	
Oujda	OUJ	Morocco	34.6570N	1.9010W	600	
Oukaimeden	OUK	Morocco	31.2070N	7.8660W	2831	
Oulainen	OUFX	Finland	64.3645N	24.7031E	90	From 2011-02-10
Oulanka, Finland	OLKF	Finland	66.3206N	29.4003E	310	From 2014-01-01
Ouled Sidi Brahim	ABSD	Algeria,Algeria	35.4345N	4.1985E	520	
Oulhaca	OLHC	Algeria	35.2500N	1.4200W	600	From 2005-01-01
Oulu	OUL	Finland	65.0853N	25.8964E	60	
Oum El Arais	OAR	Tunisia	34.5317N	8.3968E	475	
Oura	ORJ	Shiga,Japan	35.5171N	136.1197E	150	
Ouranopolis	OUR	Greece	40.3344N	23.9819E	60	From 1981-01-01
Ourey, S05	SCR05	Colorado	38.1152N	107.7443W	2184	
Ouri	JIO	Miyagi,Japan	38.4543N	141.3488E	40	
Ouro Preto, Brazil	FABR	Minas Gerais	20.4192S	43.9133W	1454	From 2017-05-10
Ouruhia School	OHSS	South Island,New Zealand	43.4446S	172.6605E	13	From 2011-12-12
Outingdale	AODM	California,U.S.A.	38.6148N	120.7280W	520	From 1976-10-19
Outjo	OTJO	Namibia	20.0180S	15.9799E	1327	
Outlet	OUT	Hawaii,U.S.A.	19.3897N	155.2820W	1038	From 1958-07-01
Outpost Mountain	YUK6	Yukon Territory,Canada	60.9432N	138.3626W	2233	From 2010-08-29
OUZ	OUZM	Morocco	30.9090N	6.7600W	1216	
Ovalau	OVA	Fiji	17.6862S	178.7837E	439	From 1979-10-01
Ovalle	OVCH	Coquimbo,Chile	30.6080S	71.2010W	222	
Ovando	OVMT	Montana,U.S.A.	47.0643N	112.9967W	1494	
Ovaro	OVAR	Italy	46.4847N	12.8647E	581	From 2019-02-13
Ova Spin	OSS	Switzerland	46.6868N	10.1437E	1700	From 1982-01-01 to 2002-01-02
Over Castle Rock	OCN	New York,U.S.A.	43.8848N	74.5293W	701	From 1974-07-01 to 1979-07-31
Overton	OVE	Nevada,U.S.A.	36.5311N	114.4420W	395	From 1940-07-01 to 1952-07-31
Ovnat, DS13	DSI13	Israel	31.6720N	35.4310E	169	From 1993-04-01 to 1993-09-30
Owase	OWA	Mie,Japan	34.0667N	136.1950E	17	
Owens Crossroads	OCA	Alabama,U.S.A.	34.6138N	86.4352W	250	
Owens Ranch, Tucumcari	W26A	New Mexico,U.S.A.	35.0891N	103.7656W	1314	From 2008-05-08 to 2010-04-09
Owens River	ORC	California,U.S.A.	37.6353N	118.6560W	2301	From 1979-11-01
Owhat River	L16K	Alaska,U.S.A.	61.7105N	159.4747W	227	From 2017-05-14
Owia	SOA	St Vincent,Saint Vincent and the Grenadines	13.3735N	61.1486W	40	
Owl Hoot	OHTN	Tennessee,U.S.A.	36.1500N	89.5200W	82	
Oxbow	E63A	Maine,U.S.A.	46.4220N	68.4220W	238	From 2013-09-23
Oxenhope Moor	OMWY	England,United Kingdom	53.7909N	1.9799W	438	
Oxford	OXD	England,United Kingdom	51.7667N	1.2500W	61	
Oxford	OXZ	South Island,New Zealand	43.3259S	172.0383E	319	From 2009-03-14
Oxford	757A	Florida,U.S.A.	28.9413N	82.0685W	22	From 2012-02-12
Oxford	U58A	North Carolina,U.S.A.	36.3944N	78.5493W	169	From 2013-03-21
Oxford	OXF	Mississippi,U.S.A.	34.5118N	89.4092W	101	From 1993-09-17
Ox Mountain	OXMT	California,U.S.A.	37.4994N	122.4243W	14	
Oxtotitlan	OXM	Mexico D.F.,Mexico	19.2972N	99.6883W	2700	
Oya 1	OYT	Hyogo,Japan	35.3339N	134.6645E	260	
Oya 2	OYT2	Hyogo,Japan	35.3218N	134.6658E	230	
Oyama	OYM	Kanagawa,Japan	35.4201N	139.2430E	600	From 1970-04-01
Ozalj	OZLJ	Croatia	45.6153N	15.4673E	0	From 2011-01-10
Ozark Folk Center	FCAR	Arkansas,U.S.A.	35.8898N	92.1242W	190	
Ozernaya	OZE	Buryatiya,Russia	56.3000N	113.9750E	620	
Ozernaya	AY2S	Sakha,Russia	63.7500N	146.1100E	875	From 1971-06-01 to 1971-12-31
Ozero (Kronotsky)	OZRR	Kamchatskaya Oblast',Russia	54.6920N	160.3920E	391	
Ozhidaevo	OJD4	Sakhalinskaya Oblast',Russia	47.0286N	142.3989E	230	From 1996-01-01
Ozhidaevo	OZHR	Sakhalinskaya Oblast',Russia	47.0400N	143.3900E	-111	
Ozolo	OZOL	Trentino,Italy	46.4045N	11.0517E	1231	From 2000-12-31
Ozona	OZNA	Texas,U.S.A.	30.9219N	101.1271W	770	From 2017-02-08
PA01 North	PA01	British Columbia,Canada	48.6526N	123.4470W	3	From 2010-12-09
PA02 Ocean	PA02	British Columbia,Canada	48.6518N	123.4489W	3	From 2010-12-09
PA03 Flamable	PA03	British Columbia,Canada	48.6517N	123.4448W	8	From 2010-12-09
PA04 Cage	PA04	British Columbia,Canada	48.6510N	123.4462W	8	From 2010-12-09
PA05 Willingdon	PA05	British Columbia,Canada	48.6497N	123.4438W	8	From 2010-12-09
PA12 Sannich	PA12	British Columbia,Canada	48.6482N	123.4496W	10	From 2010-12-09
Paamiut	PAAG	Greenland	61.9914N	49.6613W	22	
Paanajarvi	PAAN	Karelia	65.7610N	31.0700E	166	
Paberze	PABE	Lithuania	55.5052N	23.9680E	53	From 2012-04-23
Pabitra Nagar,Odisha	PABN	Orissa	21.1310N	85.1687E	93	From 2015-12-10
Pabuaran, Jawa Barat	PCJM	Indonesia	6.9130S	108.7192E	646	From 2019-01-01
Paburge	PBUR	Lithuania	56.0236N	21.9294E	122	From 2011-11-03
Pacaembu	PCMB	Sao Paulo,Brazil	21.6071S	51.2614W	345	From 2013-11-30
Pacatuba, Sergipe, Brazil	PCTB	Sergipe,Brazil	10.4135S	36.7023W	67	From 2011-06-18 to 2013-02-25
Pacaya	PCG	Guatemala	14.3917N	90.6075W	2100	From 1987-03-01
Pacayal	PACA	El Salvador	13.4690N	88.3233W	1123	
Pacayas	PCAYA	Costa Rica,Costa Rica	9.9170N	83.8110W	1840	
Pace	449A	Florida,U.S.A.	30.7596N	87.2151W	57	From 2012-01-18
PACH	PACHH	Bolivia	19.8681S	69.4157W	1620	From 1994-11-21 to 1995-07-14
Pacheco Lake	HPLM	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Lake	AN4*	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Lake	PCL	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Lake	HPCM	California,U.S.A.	37.0599N	121.2758W	468	
Pacheco Peak	PACP	California,U.S.A.	37.0080N	121.2870W	844	From 2003-06-19
Pachiana Chania	MULT	Crete	35.5091N	24.0118E	15	From 2015-06-20
Pachino	HPAC	Sicily,Italy	36.6965N	15.1114E	19	From 2012-11-05
Pachkamar	PKMR	Uzbekistan	38.5429N	66.3897E	624	
Pacific Avenue Alameda	C049	California,U.S.A.	37.7766N	122.2785W	9	From 2010-08-30
Pacific Beach Navy Resort	PABH	Washington,U.S.A.	47.2128N	124.2045W	36	From 2016-03-03
Pacific Creek	PACW	Wyoming,U.S.A.	43.9023N	110.4850W	2140	From 1986-01-01
Pacitan	PCJI	Jawa,Indonesia	8.1947S	111.1771E	0	From 2007-12-01
Packway	APAE	England,United Kingdom	52.3006N	1.4782E	58	From 1984-01-01
Pacot, Port-au-Prince, Ouest	CPACO	Haiti	18.5298N	72.3257W	117	From 2019-09-07
Pacto, Paraso	PAC1	Ecuador	0.2661N	78.7914W	1257	From 2012-08-03
Padang	PDSI	Sumatera,Indonesia	0.9118S	100.4617E	276	From 2005-01-01
Padang Panjang	PPI	Sumatera,Indonesia	0.4568S	100.3970E	0	
Padmapur Odisha,India	PADA	Orissa	20.9985N	83.0565E	199	From 2015-07-16
Padua	PAD	Italy	45.4086N	11.8861E	12	
Paducah	T45B	Kentucky,U.S.A.	37.0159N	88.6459W	136	From 2014-02-11
Paducah	T45A	Kentucky,U.S.A.	37.0196N	88.6447W	119	From 2011-11-17
Paducah	PAKY	Kentucky,U.S.A.	37.0570N	88.7720W	76	From 1990-10-01
Padureni	PDRR	Romania	46.7829N	27.4421E	256	From 2020-11-03
Paea	PAE	Tahiti,French Polynesia	17.6619S	149.5800W	10	
PAEK, Florina	FNA1	Greece	40.8021N	21.4235E	639	From 2022-02-03 to 2022-06-23
Paeroa	PATZ	North Island,New Zealand	38.3795S	176.2585E	940	From 1987-05-01 to 2007-04-04
Paez Belalcazar	MARP	Colombia	2.8430N	75.9550W	2207	
Pagadian	PAGZ	Mindanao,Philippines	7.8480N	123.3820E	50	
Pagan	PAGN	Mariana Islands	18.0750N	145.7310E	540	From 1992-07-01
Paganica	MI02	Italy	42.3545N	13.4743E	648	From 2009-04-07 to 2009-04-29
Pagan Volcano	PAGV	Mariana Islands	18.1250N	145.7700E	10	From 1992-07-01
Pagar Alam Utara, Sumatera Selatan	PKSI	Indonesia	4.0428S	103.2639E	741	From 2019-10-01
Page	PGAZ	Arizona,U.S.A.	36.9057N	111.4620W	1272	
Pagerwojo	PWJI	Jawa,Indonesia	8.0220S	111.8039E	0	From 2007-12-01
Pages Road Pumping Station	PRPC	South Island,New Zealand	43.5258S	172.6828E	3	From 2006-08-14
Pagoda	O21A	Colorado,U.S.A.	40.2149N	107.4705W	2343	From 2007-11-10 to 2009-11-05
Pago Rovagnano (AQ), Italy	MB02	Italy	42.5290N	13.2777E	853	From 2016-11-30 to 2016-12-12
Pagosa Springs	PGS	Colorado,U.S.A.	37.2653N	107.0210W		
PAGW	PAGW	East of Mariana Islands	18.1243N	145.7612E	91	
Pahaquarry	PQN	New Jersey,U.S.A.	41.0073N	75.0858W	229	
Pahoa	PAH	Hawaii,U.S.A.	19.4950N	154.9470W	205	From 1958-01-01 to 1969-01-01
Pahoa Fire House	PFH	Hawaii,U.S.A.	19.4969N	154.9490W	201	From 1986-01-01
Pah Rah Range	PAHR	Nevada,U.S.A.	39.7065N	119.3842W	1500	
Pahroc Range	PRN	Nevada,U.S.A.	37.4067N	115.0508W	1402	
Pahute Mesa	LO2	Nevada,U.S.A.	37.1979N	116.3790W	2019	From 1973-05-01 to 1975-12-31
Pahute Mesa	PMN	Nevada,U.S.A.	37.2807N	116.3020W	2141	From 1973-06-05 to 1973-06-22
Pahute Mesa Site	PH4NV	Nevada,U.S.A.	37.2556N	116.4636W	1917	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pahute Mesa Site	PH2NV	Nevada,U.S.A.	37.2422N	116.4644W	1908	
Pahute Mesa Site	PH3NV	Nevada,U.S.A.	37.3725N	116.5286W	1603	
Pahute Mesa Site	PH-NV	Nevada,U.S.A.	37.2983N	116.5481W	1792	
Paiaka Road	PAKZ	New Zealand	35.5347S	174.1302E	259	From 2022-12-19
Paiam	PIAM	Papua New Guinea	5.4650S	143.1490E	2220	
Paila	NASE	Xizang Zizhiqu,China	31.9886N	91.7057E	4653	From 1998-08-07 to 1999-05-27
P Aileron	PAI	Martinique,France	14.8044N	61.1564W	844	
Paja de Sombrero, Chiriqui	PSOM3	Panama	8.6850N	82.3220W	417	From 2010-01-01
Pajala	PAJU	Sweden	67.0240N	23.1130E	500	From 2004-04-17
PAJAN	APJN	Ecuador	1.5568S	80.4323W	130	From 2016-04-20
PAJAN 2	PAJA	Ecuador	1.5615S	80.4545W	154	From 2016-05-17
Pakayacu	PKYU	Ecuador	1.6477S	77.5950W	391	From 2012-11-30
Pak Chong	PCT	Thailand	14.6808N	101.4110E	360	From 1978-10-01
Pakhachi	PCHS	Kamchatskaya Oblast',Russia	60.5580N	169.1250E	5	
Pakihiroa	PKGZ	North Island,New Zealand	37.8664S	178.0805E	405	From 2010-06-22
Pakoon Wash	U13A	Arizona,U.S.A.	36.4151N	113.9653W	712	From 2007-02-16 to 2008-11-12
Pakue, Sulawesi Tenggara	LKCI	Indonesia	3.4921S	120.8858E	75	From 2019-01-01
Pakushin Southeast, Makushin Volcano	MAPS	Alaska,U.S.A.	53.8082N	166.9407W	333	From 2012-08-02
Pala Acreide	HPAR	Sicily,Italy	37.0750N	14.9980E	600	From 1994-05-01
Palacio de Doana, Huelva	E010	Spain	36.9886N	6.4431W	52	From 2007-09-24 to 2009-06-24
Palaiochora Chania	PLC1	Crete,Greece	35.2314N	23.6285E	7	From 2011-10-01
Palaiochora Chania	KNDR	Crete,Greece	35.2349N	23.6248E	25	From 2006-12-01
Palaion Diasellon	DSL	Greece	39.1338N	21.0963E	525	From 2008-02-22
Pala-Maneri	PLMI	Uttar Pradesh,India	30.8417N	78.6292E	1640	From 1987-10-01
Palamutbuku-Kayakoy-Datca	RFTD	Turkey	36.6823N	27.4970E	112	From 2017-07-28
Palana	PALN	Kamchatskaya Oblast',Russia	59.0890N	159.9660E	38	From 2008-11-13
Palana	PALS	Kamchatskaya Oblast',Russia	59.0930N	159.9630E	5	From 1994-03-01
Palanan	PALP	Luzon,Philippines	17.0630N	122.4250E	50	
Palangkaraya	PKKI	Kalimantan,Indonesia	2.2410S	113.9721E	69	
Palangkaraya	PLKI	Kalimantan,Indonesia	2.2262S	113.9453E	70	From 2005-01-01
Palascherma, Ancona	CMA15	Italy	43.6086N	13.5313E	150	From 2022-11-15
Palata	PLTA	Italy	41.8864N	14.7893E	486	From 2018-08-21
Palata Pepoli (BO)	T0811	Italy	44.7838N	11.2265E	9	From 2012-05-20 to 2012-07-31
Palau	PLA	Caroline Islands,Palau	7.3333N	134.4830E	390	
Palau	PALU	Caroline Islands,Palau	7.3436N	134.4741E	10	
PALAU INFRASONIC ARRAY REFERENCE POINT	I39PW	Caroline Islands,Palau	7.5355N	134.5470E	100	From 2005-08-10
Palau Saverdera	CPAL	Spain	42.3116N	3.1636E	223	From 2007-03-01
Palayan	PCPH	Luzon,Philippines	15.5620N	121.0960E	7	
Palayan City	PCPS	Luzon	14.6520N	121.0585E	50	
Palazzolo	PZI	Sicily,Italy	37.0571N	14.9476E	603	From 1983-10-01
PALAZZOLO ACREIDE	PLZ	Italy	37.0682N	14.9097E	678	From 2000-06-14
Palazzo San Gervasio	PALZ	Italy	40.9441N	15.9602E	450	From 2006-08-07
Palemas	PALE	Morocco	35.2170N	3.9390W	482	
Palemas	MPAL	Morocco	35.2250N	3.9420W	412	From 1994-02-15
Palembang	PMBI	Sumatera,Indonesia	2.9270S	104.7720E	30	From 2005-01-01 to 2009-05-29
Palenque	TOLD	Colombia	4.9430N	75.3990W	3760	
Paleo Inst,Ithaca	PRNY	New York,U.S.A.	42.4666N	76.5361W	205	
Paleokklisi, N003	N003M	Greece	39.5770N	20.4251E	340	
Palermo	PAM	California,U.S.A.	39.4488N	121.5200W		From 1976-01-01
Palermo	PLR	Sicily,Italy	38.1440N	13.3477E	60	
Palgon	ST10	Xizang Zizhiqu,China	31.4928N	90.0081E	4670	From 1998-07-15 to 1999-06-01
Palhano	ET03	Ceara,Brazil	4.7808S	38.0388W	34	
Paliouras	S032	Greece	38.5910N	23.7580E	203	
Paliouri	PLR1	Greece	39.9363N	23.6767E	140	From 2014-01-21
Paliouri	PAIG	Greece	39.9272N	23.6797E	140	From 1981-01-01
Palisades	PAL	New York,U.S.A.	41.0055N	73.9079W	66	From 1980-01-01
Palizzi	MPAZ	Sicily,Italy	37.9531N	16.0067E	496	From 2006-09-20
Pallekele	PALK	Sri Lanka	7.2728N	80.7022E	460	
Palliser	PLWZ	North Island,New Zealand	41.5692S	175.2548E	638	From 2007-02-20
Palma Real	PALR	Venezuela	11.0000N	63.9110W	920	From 1984-01-01
Palmares	PALD	Costa Rica	10.0540N	84.4350W	1018	
Palmaria, Porto Venere	PLMA	Italy	44.0498N	9.8507E	22	From 2010-03-28
Palmar Norte	PANP	Costa Rica	8.9600N	83.4590W	33	
Palmar Norte	EDPN	Costa Rica	8.9620N	83.4570W	47	
Palmasola	PSM	Oaxaca,Mexico	16.7048N	95.0410W	750	From 1990-01-01
Palm Desert	PMD	California,U.S.A.	33.6478N	116.3777W	296	From 2005-05-07
Palm-Egli Farm, Albin	M25A	Wyoming,U.S.A.	41.4347N	104.0551W	1636	From 2008-11-13 to 2010-10-09
Palmeiras do Tocantins	PAL01	Tocantins	6.6400S	47.5600W	320	
Palmela	PLML	Portugal	38.5550N	8.9033W	216	
Palmer	PMR	Alaska,U.S.A.	61.5922N	149.1308W	100	From 1967-09-01
Palmer	PLMR	South Australia,Australia	34.8728S	139.1508E	138	From 2006-08-10
Palmer East	PME	Alaska,U.S.A.	61.6283N	149.0317W	232	From 1980-09-01 to 1999-08-25
Palmer High School	PHSA	Alaska,U.S.A.	61.6089N	149.1487W	144	
Palmer Lift, Mt. Hood	PALME	Oregon,U.S.A.	45.3586N	121.7055W	2590	From 2014-09-28
Palmer Road	PREZ	North Island,New Zealand	39.3421S	174.1590E	558	From 2010-02-23
Palmer South	PMS	Alaska,U.S.A.	61.2447N	149.5610W	716	From 1967-05-25 to 2005-08-05
Palmer Station	PMSA	Antarctic Peninsula	64.7742S	64.0490W	10	From 1993-03-01
Palmerston North Boys High School	PNBS	North Island,New Zealand	40.3490S	175.6076E	40	From 2003-06-26
Palmerston North Roslyn School	PNRS	North Island,New Zealand	40.3303S	175.6337E	34	From 2012-04-12
Palmer USGS	PLRM	Alaska,U.S.A.	61.5922N	149.1310W	100	From 1984-09-20
Palmer West	PWA	Alaska,U.S.A.	61.6508N	149.8790W	137	From 1967-05-23 to 2005-08-05
Palmi	ME03	Italy	38.3301N	15.8374E	567	From 2007-10-20 to 2009-02-05
Palmichal	PALM	Venezuela	10.2046N	64.4388W	1100	From 1984-01-01 to 1999-08-25
Palmira	BCO2	Panama	8.7185N	82.5287W	1429	
Palmira, PALM	PALMI	Costa Rica	10.5600N	85.0764W	294	
Palm Springs	PSP	California,U.S.A.	33.7938N	116.5490W	195	
Palmyra I.	PR-	Line Islands,Kiribati	5.8881N	162.0942W	3	From 1962-04-06 to 1962-11-04
Palmyra Island	PR-IS	Line Islands,Kiribati	5.8881N	162.0942W	3	From 1962-04-06 to 1962-11-04
Palo	PLPB	Leyte	11.1648N	124.9787E	133	
Palo	PLP	Leyte,Philippines	11.1650N	124.9790E	133	From 1975-10-01
Palo Alto--Branner	PAC	California,U.S.A.	37.4167N	122.1820W	83	From 1927-11-21 to 1965-05-31
Palomar	PLM	California,U.S.A.	33.3534N	116.8620W	1692	From 1939-09-07
Palomares Rd	LT18	California,U.S.A.	37.6313N	121.9560W	463	From 1969-06-29 to 1980-01-23
Palomares Road	CPLM	California,U.S.A.	37.6375N	121.9610W	317	From 1980-01-23 to 2008-07-16
Palomares Road	PLC	California,U.S.A.	37.6313N	121.9560W	463	From 1969-06-29 to 1980-01-23
Palomas, Salto - UY	PSAL	Uruguay	31.0824S	57.6077W	66	From 2018-01-31
Palomo	PAL1	Costa Rica	9.7830N	83.8240W	1500	
Palomo	PALO	Costa Rica	9.7850N	83.8203W	1440	
Palo Pinto	PLPT	Texas,U.S.A.	32.8128N	98.3158W	336	From 2017-08-08
Palora	PALA	Ecuador	1.6917S	77.9562W	908	
Palo Seco	VUE	Costa Rica	9.5312N	84.2795W	34	From 2002-10-01 to 2003-03-15
Palos Verdes	PVRC	California,U.S.A.	33.7522N	118.3710W	183	From 1981-09-30
Palos Verdes	PVPS	California,U.S.A.	33.7867N	118.4030W		
Palos Verdes	PVR	California,U.S.A.	33.7583N	118.3570W	340	From 1956-03-21 to 1981-09-30
Palo Verde	PLVR	Costa Rica	10.3480N	85.3510W	1475	
Palo Verde	A494	Costa Rica	10.3465N	85.3503W	0	From 2000-01-01
Palu	PLU	Turkey	38.7000N	39.9308E	979	From 1973-09-12
Palu	PCI	Sulawesi,Indonesia	0.9054S	119.8366E	150	From 1981-01-01
Palub	PALB	Xizang Zizhiqu,China	29.6533N	91.1330E	3675	From 2004-08-27
Paluzza	PLZA	Italy	46.5295N	13.0155E	609	From 2019-02-12
Palwal	PWAL	India	28.1487N	77.3320E	194	From 2017-12-05
Pamatai, Papeete	PPTF	Tahiti,French Polynesia	17.5896S	149.5652W	705	From 2009-04-25
Pamplona	EXPA	Spain	42.8140N	1.6250W	478	
Pamplona Cagayan	PACPP	Philippines	18.4590N	121.3530E	10	From 2015-12-01
Pamplona, Colombia	PAMC	Colombia	7.3395N	72.6995W	3676	From 2011-01-17
Panagyurishte	PGB	Bulgaria	42.5137N	24.1734E	574	
Panama	BASP	Panama	9.0249N	79.5536W	0	From 2008-10-16
Panamint Range	PGE	California,U.S.A.	36.3489N	117.0660W	1850	From 1987-11-28 to 1988-02-13
Panamint Range	PANV	California,U.S.A.	36.3932N	117.0990W	1697	From 1988-04-01
Panarea	PLI	Sicily,Italy	38.6281N	15.0619E	98	
Panarea 2	ME12	Sicily,Italy	38.6315N	15.0700E	119	From 2007-11-06 to 2010-01-31
Panarea IE	IPAN	Sicily,Italy	38.6393N	15.0702E	30	From 1985-01-01
Panarea - vetta Panarea	IPNR	Sicily	38.6435N	15.0688E	204	From 2014-05-07
Panarotta	PANI	Italy	46.0501N	11.3341E	1983	From 1982-01-01
Panbari	PNBI	Assam,India	26.5333N	93.4833E	350	
Panbu Gunsar	TAGA	Xizang Zizhiqu,China	29.7400N	91.4600E	3788	From 2006-01-19
Pancar Batu	PCBI	Sumatera,Indonesia	1.8900N	98.9253E	1000	
Pancar Gunung	PACI	Jawa,Indonesia	6.5928S	106.9100E	850	From 1991-10-01
Panciu	PANC	Romania	45.8723N	27.1477E	160	From 2016-01-27

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pnd	HU01A	Hungary	47.3446N	19.6202E	143	From 2019-09-24
Panda Hill	PDHT	Tanzania,United Republic of Tanzania	8.9832S	33.2417E	1340	From 1992-06-08
Pandan	PAP	Panay,Philippines	11.7335N	122.1150E		From 1977-04-28 to 1980-04-30
Pandan	PDP	Panay,Philippines	11.7143N	122.0962E		From 1980-04-01
Pan de Azucar	AC01	Atacama,Chile	26.1479S	70.5987W	346	From 2012-12-30
Panekirikiri	PAHZ	North Island,New Zealand	38.8574S	177.0544E	563	From 1987-03-24 to 2000-12-05
Pangaribuan, Sumatera Utara	PTSM	Indonesia	2.0119N	99.1660E	1196	From 2019-01-01
Panggang, Yogyakarta	DWIKO	Indonesia	8.0103S	110.4142E	359	From 2020-11-01
Pangkalan Bun	PBKI	Kalimantan,Indonesia	2.7047S	111.6697E	74	From 2005-01-01
Pangkalan Koto Baru, Sumatera Barat	PLSI	Indonesia	0.2373N	100.5540E	133	From 2019-10-01
Pangkal Pinang	PPBI	Bangka,Indonesia	2.1616S	106.1364E	64	From 2005-01-01
Pangkog	ST14A	Xizang Zizhiqu,China	31.7986N	89.6611E	4511	From 1998-07-25 to 1999-01-05
Panguipulli	LR03	Cautin	39.6322S	72.3456W	292	From 2015-08-28
Panguitch	S15A	Arizona,U.S.A.	37.6761N	112.3627W	2102	From 2007-05-15 to 2008-11-15
Panguna	PAA	Bougainville,Papua New Guinea	6.3006S	155.4910E	699	From 1972-12-04
Panhandle Gap, Mount Rainier	PANH	Washington,U.S.A.	46.8590N	121.6426W	2109	
Panimavida	ML02	Maule	35.7626S	71.4181W	237	From 2014-11-07
Panimavida	PAN	Linares,Chile	35.7517S	71.4032W	175	
Paninggaran, Jawa Tengah	PKJI	Indonesia	7.1678S	109.5798E	847	From 2019-10-01
Panjikon	PANJA	Tajikistan	38.6102N	69.0054E	1605	From 1981-01-02
Pank, Wackersville	P58A	Maryland,U.S.A.	39.4891N	77.3005W	139	From 2013-06-29
PANNARANO	PAN03	Italy	41.0097N	14.7034E	360	From 2014-01-01
Panoche/Babies Gulch CA	BABI	California	36.5159N	120.8530W	552	From 2018-10-01
Panorama	PAN1	Greece	40.5847N	23.0315E	132	From 2008-09-30
Panorama Road	PARS	South Island,New Zealand	43.5679S	172.7507E	153	From 2011-02-26
Panoramic Way, Berkeley	C043	California,U.S.A.	37.8685N	122.2485W	154	From 2010-07-13
Panormos, Dorida, Greece	PANR	Greece	38.3735N	22.2497E	149	From 2001-06-08
Pansheti	PNSH	Georgia	42.6351N	44.6163E	1794	From 2014-05-22
Panska Ves	PVCC	Czech Republic	50.5282N	14.5689E	311	
Pantabangan	PEP	Luzon,Philippines	15.8110N	121.1070E		
Pantanal (Brazil)	PANT	Brazil	18.9893S	56.6168W	271	From 2016-06-21
Pantano de Alfonso	XIII	Spain	38.2195N	1.5953W	329	
Pantar Tengah	PAFM	Indonesia	8.3832S	124.1283E	83	From 2020-12-31
Pantelleria	PTS	Sicily,Italy	36.8111N	11.9961E	100	
Pantelleria	PZIN	Sicily	36.8121N	11.9729E	204	From 2017-12-13
Pantelleria	PANTE	Italy	36.8103N	11.9950E	105	From 2018-05-09
Pantelleria Cuddia di Mida	PTMD	Sicily,Italy	36.7884N	11.9933E	615	From 2010-07-13
Pantelleria Gelfiser	PGEL	Sicily	36.7943N	11.9788E	369	From 2019-04-18
Pantelleria Scauri	PSCA	Sicily	36.7574N	11.9797E	130	From 2021-05-27
Pantelleria Serra Ghirlanda	PGHD	Sicily	36.7714N	12.0405E	279	From 2018-06-28
Pantex	PH03	Texas	35.3574N	101.5514W	1061	From 2018-10-25
Pantixeio	S026	Greece	38.3910N	23.5590E	180	
PanZhiHua	PZH	Sichuan	26.5033N	101.7425E	1190	From 2009-01-01
Panzos	AVPA	Alta Verapaz,Guatemala	15.3972N	89.6417W	16	From 2014-01-01
Paolisi	PAOL	Italy	41.0312N	14.5675E	715	From 2010-02-26
Paonia Res., N18	NCR18	Colorado	39.0234N	107.3610W	2046	
Papagayo	PAPA	Costa Rica	10.5902N	85.6760W	38	From 2000-06-18 to 2000-09-13
Papallacta	APS4	Ecuador	0.3709S	78.1064W	2887	
Papamoa	PARZ	North Island,New Zealand	37.7319S	176.2902E	180	From 1995-03-24 to 2002-12-08
Papanoa	PPNM	Guerrero,Mexico	17.3005N	101.0378W	260	
Papanui	PPHS	South Island	43.4945S	172.6068E	24	
Papa Simpson, Farm, Arcadia	141A	Louisiana,U.S.A.	32.6046N	92.9049W	91	From 2011-02-14 to 2012-11-12
Papasquiaro	PDIG	Sinaloa	25.0402N	105.3959W	1776	From 2014-04-07
Papatoetoe High School	PTHS	North Island,New Zealand	36.9756S	174.8719E	32	From 2002-06-21
Papayo	PPOM	Guerrero,Mexico	17.0200N	100.2400W	100	
Papeete	PPT	Tahiti,French Polynesia	17.5682S	149.5761W	258	
Papeete	THT	Tahiti,French Polynesia	17.5690S	149.5740W	337	
Papeete2	PPT2	Tahiti,French Polynesia	17.5896S	149.5764W	705	From 2008-11-27
Papenoo	PPN	Tahiti,French Polynesia	17.5308S	149.4320W	100	
Paphos	PPCY	Cyprus	34.8847N	32.3450E	60	From 1987-02-01 to 2013-07-31
Papudo	PACH	Valparaiso,Chile	32.5370S	71.4370W	692	
Paquera	PAQE	Costa Rica	9.8190N	84.9340W	46	
Paracas	PCS	Peru	13.8033S	76.2783W	100	
Parade	G28A	South Dakota,U.S.A.	45.0749N	100.9161W	709	From 2009-06-11 to 2011-05-07
Paradise	PARR	Nevada,U.S.A.	38.7707N	117.8965W	1774	
Paradis Home	SHVB	British Columbia,Canada	48.4723N	123.6360W	69	From 2003-02-27
Paradisi	PARAA	Greece	37.9467N	22.6407E	782	
Parado, Bima, Nusa Tenggara Barat, Indonesia	PBNI	Indonesia	8.7557S	118.5685E	53	From 2021-12-31
Paradox Valley	PV03	Colorado,U.S.A.	38.2543N	108.8480W	2007	
Paradox Valley	PV02	Colorado,U.S.A.	38.2073N	108.7370W	2166	
Paradox Valley	PV04	Colorado,U.S.A.	38.3934N	108.9050W	1756	
Paradox Valley	PV15	Colorado,U.S.A.	38.3418N	108.4810W	2280	
Paradox Valley	PV01	Colorado,U.S.A.	38.1344N	108.5700W	2182	
Paradox Valley	PV08	Colorado,U.S.A.	38.5763N	108.6470W	2940	
Paradox Valley	PV06	Colorado,U.S.A.	38.3325N	108.4580W	2213	
Paradox Valley	PV09	Colorado,U.S.A.	38.4987N	109.1330W	2652	
Paradox Valley	PV10	Colorado,U.S.A.	38.3763N	109.0390W	2316	
Paradox Valley	PV05	Colorado,U.S.A.	38.0782N	109.0990W	2115	
Paradox Valley	PV07	Colorado,U.S.A.	38.4380N	108.6470W	2001	
Paragould	PGA	Arkansas,U.S.A.	36.0600N	90.6200W	152	From 1974-12-28 to 1992-02-29
Paraibuna	PARB	Sao Paulo,Brazil	23.3382S	45.6217W	767	From 1993-12-01
Paraiso	PML3	Panama	9.0190N	79.6137W	17	
Paraiso	PRS	California,U.S.A.	36.3317N	121.3700W	363	From 1961-01-01
Paraso	REPA	Costa Rica,Costa Rica	9.8277N	83.8688W	1334	
Paraso	PRISO	Panama	8.6624N	82.5900W	825	
P'arak'ar	PAAR	Armenia	40.1500N	44.3800E	890	From 1993-08-01
Paralimni	PHNC	Cyprus	35.0040N	34.0320E	175	From 1998-11-16 to 2013-07-31
Paralimni	PARAL	Cyprus	34.9940N	34.0400E	136	From 2013-07-01
Paralimni Civil Defence	PAR1C	Cyprus	35.0318N	33.9762E	64	From 2018-01-01
Paramo de la Osa	OSV	Venezuela	8.6410N	71.4870W	1780	
Paramo Marino	PDMV	Venezuela	8.3190N	71.8280W	2416	
Paran	PRNI	Israel	30.3519N	35.0046E	411	
Paranan	PRNN	Tocantins,Brazil	12.7200S	47.6800W	382	From 2012-06-07
Paranan- TO	RET5	Tocantins,Brazil	12.7200S	47.6800W	382	From 2012-06-07
Paranatinga-MT	PRNT	Mato Grosso,Brazil	14.5400S	54.0147W	650	From 2010-07-14 to 2012-03-07
Paran Flat	KRMI	Israel	30.1174N	34.7250E	468	From 2006-12-07
Parapanda	PARA	Spain	37.3052N	3.9065W	1328	
Paraparaumu Primary School	PAPS	North Island,New Zealand	40.9143S	175.0050E	9	From 2001-10-17
Paraskevi	PRK	Greece	39.2461N	26.2717E	100	
Parauapebas	PRPB	Para,Brazil	6.1724S	49.8150W	265	From 2013-10-02
Parau_RN	NBPA	Rio Grande do Norte,Brazil	5.7503S	37.1121W	92	From 2011-12-16
Paravola	PVO	Greece	38.6167N	21.5259E	185	From 2009-09-02
Parchiule	PARC	Italy	43.6486N	12.2386E	580	From 2008-04-01
Parco del Cardeto (Faro Nuovo), Ancona	CMA12	Italy	43.6226N	13.5159E	98	From 2022-11-15
Parco del Colle Oppio (Ingegneria), Rome	NR01	Italy	41.8925N	12.4936E	44	From 2021-01-21 to 2021-04-08
Parco Tresine BS	TRES	Italy	45.4835N	10.5227E	192	
Parcperdue Array	LSU3	Louisiana,U.S.A.	30.0492N	92.0071W	-24	
Parcperdue Array	LSU1	Louisiana,U.S.A.	30.0733N	91.9821W	-23	
Parcperdue Array	LSU4	Louisiana,U.S.A.	30.0350N	92.0463W	-22	
Parcperdue Array	LSU5	Louisiana,U.S.A.	30.0673N	92.0542W	-24	
Parcperdue Array	LSU2	Louisiana,U.S.A.	30.0785N	92.0315W	-24	
Pardee, Santa Clarita	PDE	California,U.S.A.	34.4420N	118.5821W	328	From 1999-09-23
Paredones	QF17	Maule	34.6430S	71.8953W	77	
Parewanui	WSSZ	North Island,New Zealand	40.2403S	175.2275E	15	From 1982-10-15 to 1982-10-24
Parga	PRGA	Greece	39.2855N	20.4016E	15	
Parga	RGA	Greece	39.3212N	20.3544E	608	From 2007-11-06
Pariaguan	PARV	Venezuela	8.9650N	64.7960W	205	From 2002-04-04
PARIAGUAN	PRGV	Venezuela	8.7601N	64.6456W	175	From 2006-06-14
Pari Array Site 0	PAK0	Pakistan	33.6500N	73.2520E	0	
Parigi Utara, Sulawesi Tengah	PICM	Indonesia	0.7110S	120.0888E	40	From 2019-01-01
Paris	CURIE	France	48.8445N	2.3558E	30	
Paris	P40A	Missouri,U.S.A.	39.5299N	92.0483W	225	From 2010-12-07 to 2012-09-12
Paris	J52A	Ontario,Canada	43.2407N	80.4764W	273	From 2012-12-01
Paris	PAR	Ile-de-France,France	48.8094N	2.4936E	47	
Paris	R50A	Kentucky,U.S.A.	38.2816N	84.3274W	255	From 2012-06-17
Paritu Road	PRGZ	North Island,New Zealand	38.9226S	177.8833E	503	From 2006-07-23
Parker Dam,Lake Havasu City	PDMCI	Arizona,U.S.A.	34.3034N	114.1415W	144	From 2001-09-20
Parker Peak, Yellowstone National Park	YPK	Wyoming,U.S.A.	44.7318N	109.9219W	2897	From 2005-09-20
Parker Ranch, Bruneau	K11A	Idaho,U.S.A.	42.7713N	116.0323W	914	From 2007-02-06 to 2008-07-23

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Parkersburg	K38A	Iowa,U.S.A.	42.6472N	92.7709W	306	From 2010-10-09 to 2012-10-23
Parkers Pond	PKN	Newfoundland,Canada	47.5858N	52.7833W	210	
Park Falls	F40A	Wisconsin,U.S.A.	45.9190N	90.1217W	486	From 2011-09-01 to 2013-07-11
Parkfield	PKD1	California,U.S.A.	35.8894N	120.4261W	431	
Parkfield Array	PPFM	California,U.S.A.	35.8818N	120.4130W	469	From 1968-01-11
Parkfield Array	PKF	California,U.S.A.	35.8818N	120.4130W	469	From 1968-01-11
Park Hill	PKH	California,U.S.A.	36.8563N	121.4060W	122	From 1970-08-17
Park Hill	HPHM	California,U.S.A.	36.8563N	121.4060W	122	From 1970-08-17
Park Rapids	D34A	Minnesota,U.S.A.	47.0851N	95.1952W	476	From 2010-08-25 to 2012-06-22
Parks Canada Compound	HGPB	British Columbia,Canada	53.2536N	132.1180W	34	From 2012-11-03
Parkston	J32A	South Dakota,U.S.A.	43.3719N	97.8476W	399	From 2010-07-24 to 2012-05-21
Parliment House Basement	PHB	Australian Capital Territory	35.3070S	149.1241E	609	From 2015-12-16
Parlin, N26	NCR26	Colorado	38.5063N	106.7255W	2450	
Parma	PARMO	Missouri,U.S.A.	36.6635N	89.7522W	85	
PARMA	PRMA	Italy	44.7637N	10.3131E	78	From 2008-06-04
Parndana	PARN	South Australia,Australia	35.8059S	137.2389E	140	
Parnis Oros	MPAR	Greece	38.1513N	23.7357E	1160	
Parod	PARD	Israel	32.5573N	35.2609E	399	
Parod	GIF9	Israel	32.9330N	35.4410E	200	From 1993-05-01 to 1993-05-31
Parque Anchorena, Colonia	ANCO	Uruguay	34.2753S	57.9655W	16	From 2018-01-14
Parque archeologico de Rumipamba	PARU	Ecuador	0.1772S	78.5008W	2918	From 2016-11-22
Parque de las Ciencias	APCG	Spain	37.1900N	3.5900W	0	
Parque del Teide	TPAR	Canary Islands	28.3047N	16.5669W	2062	From 2016-11-08
Parque Nacional Barbilla	RVPB	Costa Rica	9.9821N	83.4539W	547	From 2020-08-04
Parque Nacional Cabo Blanco, CR	PNCB	Costa Rica	9.5895N	85.0917W	41	From 1999-12-05
Parque Nacional Piedras Blancas, Golfito	PNPB	Costa Rica	8.6844N	83.2284W	110	From 2012-09-01
Parque Rincon de la Vieja	RIRI	Costa Rica	10.7882N	85.3652W	928	From 2011-09-20
Parques Nacional Chingaza	C1151	Colombia	4.6330N	73.7310W	3100	
Parque Tenorio	PTEN	Costa Rica	10.7148N	84.9870W	712	From 2000-01-01
Parrita	RITA	Costa Rica,Costa Rica	9.5210N	84.3310W	10	
Pars	IPAR	Iran	29.8419N	53.0485E	2603	From 2002-10-01
Parsons	PB-	Tennessee,U.S.A.	35.7361N	88.1361W	122	From 1962-07-06 to 1962-07-11
Parsons	PB-TN	Tennessee,U.S.A.	35.7361N	88.1361W	122	
Parsons Mountain	PRM	South Carolina,U.S.A.	34.0830N	82.3630W	254	From 1975-07-04
Partacoona	PNA	South Australia,Australia	32.0061S	138.1650E	180	From 1969-09-01 to 2001-09-26
Partapura	PTPR	Jammu and Kashmir,India	34.6100N	77.4600E	3430	From 2012-01-01
Partheni, N036	N036M	Greece	40.5942N	23.3661E	554	
Partlow Road	PTRD	Virginia,U.S.A.	38.1196N	77.6227W	75	
Paruwai Farm	PAWZ	North Island,New Zealand	41.3815S	175.4269E	567	From 2004-07-14
Parvadeh(Tabas)	TPRV	Iran	33.0281N	56.6858E	1022	From 2011-08-01
Parys	PRYS	Orange Free State,South Africa	26.9253S	27.3598E	1403	From 2004-03-01
Parys	PRY	Orange Free State,South Africa	26.9283S	27.4733E	1455	
Pasadena	PAS	California,U.S.A.	34.1484N	118.1711W	257	From 1927-03-17 to 2007-10-26
Pasadena Art Cn	PASC	California,U.S.A.	34.1714N	118.1852W	341	
Pasakaki Chania	PASK	Greece	35.4996N	24.0122E	8	From 2015-06-01
Pasaman, Sumatera Barat	PABI	Indonesia	0.1236N	99.8719E	155	From 2019-01-01
Pasangkayu, Sulawesi Barat	PMCI	Indonesia	1.1729S	119.3477E	83	From 2019-01-01
Pasawahan, Jawa Barat	PKJM	Indonesia	6.7958S	108.4399E	290	From 2019-01-01
Pasciano cemetery	MZ19	Italy	42.6411N	13.2069E	1107	From 2016-09-27 to 2016-11-09
Pas de la Coche	PCHF	Rhone-Alpes,France	45.2182N	6.0304E	2010	From 1980-08-01
Pas du Roy	PRGF	Guadeloupe,France	16.0362N	61.6622W	1070	
Paser, Kalimantan Timur, Indonesia	PAKI	Indonesia	1.9092S	116.1914E	86	From 2021-12-31
Pasian Peak	PPH	Mindanao,Philippines	7.8492N	126.1872E		From 1980-01-18
PASIGHAT	PASG	Arunachal Pradesh,India	28.0615N	95.3260E	297	From 2011-01-15
Pasiripis	PASI	Jawa,Indonesia	6.6894S	105.5890E	220	From 1991-10-01
Pasirjambu, Jawa Barat	PBJI	Indonesia	7.0875S	107.4758E	1098	From 2019-10-01
Paso Ancho	BC3P	Panama	8.8157N	82.6103W	1675	
Paso Canoas	LPPC	Costa Rica,Costa Rica	8.5327N	82.8390W	139	
Paso de los Toros, Tacuaremb	PDTT	Uruguay	32.8000S	56.5090W	0	From 2016-06-09
Paso Flores	PLCA	Rio Negro,Argentina	40.7328S	70.5508W	956	
Paso Real	FINA	Costa Rica	10.4338N	85.2083W	44	From 2004-01-01
Paso Robles	PPRM	California,U.S.A.	35.6477N	120.7010W	279	
Passcal Instrument Center, Socorro	Y22F	New Mexico,U.S.A.	34.0741N	106.9209W	1439	From 2016-09-17
PASSCAL Warehouse	TVZX	New Mexico,U.S.A.	34.0733N	106.9196W	0	From 2013-11-05
Passleys Farm, La Prairie	O41A	Illinois,U.S.A.	40.1156N	90.8820W	203	From 2011-06-10 to 2013-05-07
Passo dei Salati	SATI	Italy	45.8753N	7.8685E	3005	From 2009-12-07
Passo delle Capannelle	RM26	Italy	42.4569N	13.3563E	1404	From 2009-06-19 to 2010-03-03
Passo Gaver BS	GAVI	Italy	45.9200N	10.4578E	1500	
Pasto	CPAS1	Colombia	1.1890N	77.3220W	3227	
Pasto	CPAS2	Colombia	1.2210N	77.2510W	2641	
Pasto	PSO	Colombia	1.1919N	77.3253W	3010	
Pasto	PSTO	Patagonia	42.8112S	72.3648W	1310	From 2010-01-01
Pastocalle	PAST	Colombia	0.6942S	78.6418W	3461	From 2009-06-17
Pastocalle - Ecuador	PAS1	Ecuador	0.6811S	78.6412W	3569	From 2021-09-28
Pasture Canyon	PST	Utah,U.S.A.	39.5767N	110.3520W	2118	From 1962-01-01 to 1977-03-31
Pasuquin	PIP	Luzon,Philippines	18.3250N	120.6190E	150	From 1976-01-26
Patacocha	PAT1	Ecuador	1.5067S	78.4380W	3751	From 2008-08-20
Patacocha	PATA	Ecuador	1.5033S	78.4335W	3725	
Patallajta	BS02	Bolivia	19.1148S	65.0697W	2650	From 2011-09-23
Patampanua, Sulawesi Selatan	PPCM	Indonesia	3.7270S	119.7269E	48	From 2019-01-01
Pataskala	O51A	Ohio,U.S.A.	40.1470N	82.6056W	380	From 2012-08-24
Pataua North	PTAZ	New Zealand	35.7089S	174.4972E	99	From 2022-12-08
Pataudi	PTDI	India	28.3245N	76.7800E	229	From 2018-04-23
Patelzick Creek	PZCI	Idaho,U.S.A.	44.3410N	112.3170W	2073	From 1991-12-08
Paterno (AQ), Italy	MB09	Italy	42.5354N	13.2854E	907	From 2016-11-30 to 2016-12-12
Paterson	PNJ	New Jersey,U.S.A.	40.9071N	74.1548W	31	From 1972-03-01 to 1996-09-30
Paterson	PATW	Washington,U.S.A.	45.8819N	119.7535W	262	
Paterson 2	PAT2	Washington,U.S.A.	45.8836N	119.7578W	259	
Patience	SLPA	St Lucia	13.8537N	60.9190W	183	
Patillas Dam, Puerto Rico	PDPR	Puerto Rico	18.0181N	66.0222W	38	From 2012-03-15
Patnagarh Odisha,India	PATN	Orissa	20.7121N	83.1368E	244	From 2015-07-17
Patocco-Chiusaforte	PTCC	Italy	46.4053N	13.3533E	770	
Patos De Minas	PMNB	Minas Gerais,Brazil	18.5373S	46.4380W	949	
Patos, Paraiba, Brazil	PATB	Paraiba	7.0800S	37.2722W	268	From 2011-07-28 to 2013-02-23
Patquia	RTPR	La Rioja,Argentina	30.3022S	66.5114W		
Patra B	PATG	Greece	38.2386N	21.7266E	1	
Patra C	PATC	Greece	38.2693N	21.7600E	47	
Patras	PAT	Greece	38.2364N	21.7467E	40	
Patras	GBTAS	Greece	38.2332N	21.7325E	15	From 2020-07-01
Patras	PAT4	Greece	38.2342N	21.7477E	28	From 2011-10-01
PATRICIA PILAR	PILA	Ecuador	0.7267S	79.4685W	140	From 2016-04-19
Pattan	PPS1	Pakistan	35.1010N	72.9950E	747	From 2012-01-01
Pattaya	PATY	Thailand	12.9232N	100.8657E	39	
Patterson Mountain	PATT	California	36.9625N	119.0566W	2453	
Patterson Ranch, Waldron	T33A	Kansas,U.S.A.	37.0824N	98.2444W	394	From 2009-10-15 to 2011-08-27
Patty Peak	PTPK	Alaska,U.S.A.	61.1874N	142.4650W	1933	
Pauahi	PUH	Hawaii,U.S.A.	19.3740N	155.2160W	994	From 1974-03-01
Paudash Township	D48A	Ontario,Canada	47.1743N	81.8072W	434	From 2012-10-27
Pau dos Ferros	PFBR	Rio Grande do Norte,Brazil	6.1216S	38.2708W	220	From 2007-01-01
Pau dos Ferros - RN	NBPF	Rio Grande do Norte	6.1440S	38.1905W	200	From 2021-09-15
Paularo	PLRO	Italy	46.5497N	13.1481E	1420	From 1988-01-01
Paulatuk	C36M	NorthWest Territories,Canada	69.3475N	124.0703W	10	From 2013-08-21
Pauline	PAULI	South Carolina,U.S.A	34.8210N	81.8144W	178	
Paul Sauer Dam	PSR	Cape Province,South Africa	33.6800S	24.4100E	360	From 1988-01-01 to 2009-06-05
Paul Wright Trailer	PWTG	California,U.S.A.	38.2773N	119.2520W	1996	From 1979-11-15
Pauzhetka	PAU	Kamchatskaya Oblast',Russia	51.4669N	156.8111E	110	
Pavas, San Jos	PAVB	Costa Rica	9.9400N	84.1190W	1104	
Pavencul	PAVE	Chiapas	15.1937N	92.1765W	1847	
Pavia	PAV	Italy	45.1833N	9.1736E	77	
Pavia	EUCT	Italy	45.2026N	9.1349E	82	From 2006-06-26
Pavlia	S008	Greece	37.4950N	22.1420E	839	
Pavliani	VPA	Greece	38.7815N	22.3400E	1084	From 1982-10-01
Pavlikeni	PVL	Bulgaria	43.1226N	25.1731E	218	From 1965-01-01
Pavlof North-6	PN6	Alaska,U.S.A.	55.4528N	161.9205W	808	From 1996-07-01
Pavlof North-7A	PN7A	Alaska,U.S.A.	55.4326N	161.9982W	823	From 1996-07-01
Pavlof South-1A	PS1A	Alaska,U.S.A.	55.4212N	161.7422W	293	From 1996-07-01
Pavlof South-4	PS4	Alaska,U.S.A.	55.3540N	161.8682W	520	
Pavlof South-4A	PS4A	Alaska,U.S.A.	55.3460N	161.8561W	322	From 1996-07-01
Pavlof Volcano	PVV	Alaska,U.S.A.	55.3742N	161.7900W	164	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pavook Mountain	PVK	Alaska,U.S.A.	63.4390N	171.5522W	411	From 1980-07-01 to 1989-01-01
Pavullo del Frignano	PVFO	Italy	44.3330N	10.8252E	743	
Pawanui	PXZ	North Island,New Zealand	40.0306S	176.8622E	103	From 2005-08-21
Pawanui	PWZ	New Zealand	40.0297S	176.8620E	66	From 2001-01-30 to 2005-08-16
Pawlowice	PL27A	Poland	49.9022N	18.7090E	276	From 2021-02-01
Pawlowsk	PAW	Leningradskaya Oblast'	59.6800N	30.4500E	36	From 1903-01-01 to 1904-12-31
Pawnee	U35A	Oklahoma,U.S.A.	36.3709N	96.7318W	303	From 2010-06-18 to 2012-02-12
Pawnee	EF71	Texas	28.6281N	98.0439W	94	From 2018-12-18
Pawnee Station 44	OK044	Oklahoma,U.S.A.	36.3727N	96.7963W	290	From 2016-09-05 to 2017-03-16
Pawnee Station 45	OK045	Oklahoma,U.S.A.	36.4477N	96.9249W	284	From 2016-09-06 to 2017-03-16
Pawnee Station 46	OK046	Oklahoma,U.S.A.	36.3972N	96.9074W	294	From 2016-09-06 to 2017-03-20
Pawnee, Station 47	OK047	Oklahoma,U.S.A.	36.4689N	96.7236W	253	From 2016-09-07 to 2016-11-09
Pawnee Station 48	OK048	Oklahoma,U.S.A.	36.4162N	96.9437W	297	From 2016-09-08
Pawnee Station 50	OK050	Oklahoma,U.S.A.	36.3945N	96.9818W	315	From 2016-09-10 to 2017-03-17
Paxson	PAX	Alaska,U.S.A.	62.9699N	145.4699W	1150	From 1969-07-01
Payao	PAYA	Thailand	19.3603N	99.8692E	408	
Payeh	IPAY	Iran	36.4500N	58.9960E	2100	From 2004-06-01
Payette	I10A	Idaho,U.S.A.	44.0860N	116.8029W	782	From 2006-10-26 to 2008-07-19
Paynes Creek	O03D	California,U.S.A.	40.2947N	121.8018W	968	
Paynes Creek	O03E	California,U.S.A.	40.2946N	121.8021W	967	From 2012-10-08
Payson	PY-	Arizona,U.S.A.	34.2542N	111.3269W	1516	
Payson	PY-AZ	Arizona,U.S.A.	34.2542N	111.3269W	1516	
Pazael	PZL	Israel	32.0422N	35.4430E	16	From 2018-11-01
Pazarcik, Kahramanmaras Turkey	MGND	Turkey	37.4714N	37.4205E	1055	From 2021-12-29
Pazar-Rize	PZAR	Turkey	41.1780N	40.8988E	80	From 2007-03-01
Peach Tree Valley	PPTM	California,U.S.A.	36.1083N	120.7210W	506	From 1970-04-16
Peach Tree Valley	PTV	California,U.S.A.	36.1083N	120.7210W	506	From 1970-04-16
Peaks-Kenny Pk	PKME	Maine,U.S.A.	45.2644N	69.2917W	108	From 2006-07-06
Pea Ridge	PEA	Alabama,U.S.A.	33.2553N	87.4943W	107	
Pea Ridge, Belzoni	Z44A	Mississippi,U.S.A.	33.2773N	90.4322W	39	From 2011-04-18 to 2013-02-04
Pea Ridge Mine	MMM	Missouri,U.S.A.	38.1300N	91.0400W	-244	
Pearl BPA Site DOGAMI SMO	PERL	Oregon,U.S.A.	45.2382N	122.7790W	68	From 2002-03-19
Pearl Lake	PLID	Idaho,U.S.A.	45.0877N	116.0003W	2194	
Pearson	355A	Georgia,U.S.A.	31.3438N	82.8518W	69	From 2012-03-14
PEARSTON	PEARS	South Africa	32.5690S	25.1615E	731	From 2022-07-21
Peavine Mountain	PEAR	Nevada,U.S.A.	39.6075N	119.9613W	2142	
Pechorkino, Salair, Kemerovskaya Oblast', Russia	SALR	Altayskiy Kray,Russia	54.4169N	85.7029E	250	From 2005-03-02
Pechory	PECR	Nizhegorodskaya Oblast',Russia	56.3167N	44.0833E		
Peckham Road	HPRM	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Peckham Road	PKC	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Peckham Road	AN8*	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Pecos	PECS	Texas,U.S.A.	31.3705N	103.8670W	914	From 2017-02-01
Pedasi	PEDA3	Panama	7.5270N	80.0250W	69	
Pedas	AZU2	Panama	7.5340N	80.0260W	66	
Pedernales	PEDR	Haiti	18.0362N	71.7461W	0	
Pedernales	PDNS	Ecuador	0.1114N	79.9910W	139	From 2009-04-24
Pedra_Branca-CE	NBPB	Ceara,Brazil	5.5432S	39.5837W	263	From 2011-05-29
Pedra do Cavalo	PDCR	Bahia,Brazil	12.5313S	39.1225W	220	From 1987-01-01
Pedras Altas	PLTB	Rio Grande do Sul,Brazil	31.7632S	53.6039W	397	
Pedregal, Chiriqui	PEDE3	Panama	8.3840N	82.4220W	42	From 2010-01-01
Pedro Bay	PDB	Alaska,U.S.A.	59.7878N	154.1920W	305	From 1979-02-22
Pedro Cerda	PED	South Shetland Islands	62.9394S	60.5850W	10	
Pedro de Valdivia	PECH	Antofagasta,Chile	22.5975S	69.6742W	0	
Pedro Dome	PJD	Alaska,U.S.A.	65.0350N	147.5080W	740	From 1967-01-01 to 1971-11-30
Pedrogo	PDRG	Portugal	38.1079N	7.6383W	107	From 2007-06-28
Pedro II - PI	NBPS	Piaua,Brazil	4.3940S	41.4457W	713	From 2011-05-17
Pedro Velho	NBPV	Rio Grande do Norte,Brazil	6.4177S	35.2906W	91	From 2011-04-05
Peebles	Q51A	Ohio,U.S.A.	39.0260N	83.3456W	362	From 2012-06-26
Peechi	PCHI	Kerala,India	10.5310N	76.3460E	105	From 1999-09-01
Peel Forest	PEEC	South Island,New Zealand	43.9239S	171.2340E	280	From 2005-11-17
Peel High School	AUPHS	New South Wales,Australia	31.1000S	150.8900E	404	From 2013-05-24
Peel River	H31M	Yukon Territories,Canada	65.8052N	134.3426W	642	From 2017-07-15
Pefkos, Heraklion	PFKS	Crete	35.0430N	25.4733E	745	From 2020-07-01
Peglio	PE3	Italy	43.6960N	12.4963E	530	From 2010-07-07
Pehcevo	PEHC	North Macedonia,North Macedonia	41.7787N	22.9001E	1000	From 2017-10-10
Pehlivankoy-KIRKLARELI	DOGC	Turkey	41.3949N	26.9852E	81	From 2022-07-01
Peine	PEI	Antofagasta,Chile	24.6833S	68.0667W	5000	
Peixe	PEXB	Tocantins,Brazil	12.1056S	48.3006W	350	
Peje	PEJK	Kosovo	42.6425N	20.2784E	822	From 2008-07-06
Pejibaye, Prez Zeledn	EDPE	Costa Rica	9.1588N	83.5713W	416	
Pejibaye, Turrialba	PEJI	Costa Rica	9.8126N	83.7022W	660	From 2020-11-10
Pekat, Nusa Tenggara Barat	PDLI	Indonesia	8.1037S	117.8729E	16	From 2019-01-01
Pelabuhan Ratu, Jawa Barat	PSJM	Indonesia	6.9686S	106.5491E	205	From 2019-01-01
Pelados	CHP1	Peru	4.6719S	80.4911W	150	From 1979-12-01
Pelalawan, Riau, Sumatera, Indonesia	PRSI	Indonesia	0.3775N	101.8225E	69	From 2021-12-31
Peldehue	PEL	Santiago,Chile	33.1436S	70.6853W	690	
Peleduy	PDY	Sakha,Russia	59.6333N	112.7003E	300	
Peleduy Array Beam Reference Point	PDYAR	Sakha,Russia	59.6553N	112.4408E	489	
Peleduy Array Site 31	PDY31	Sakha,Russia	59.6175N	112.6361E	280	
Peleduy Array Site A0	PDYA0	Sakha,Russia	59.6553N	112.4408E	447	From 1999-03-21
Peleduy Array Site A1	PDYA1	Sakha,Russia	59.6583N	112.4478E	452	From 1999-03-21
Peleduy Array Site A2	PDYA2	Sakha,Russia	59.6522N	112.4436E	467	From 1999-03-21
Peleduy Array Site A3	PDYA3	Sakha,Russia	59.6583N	112.4331E	453	From 1999-03-21
Peleduy Array Site B1	PDYB1	Sakha,Russia	59.6744N	112.4408E	452	From 1999-03-21
Peleduy Array Site B2	PDYB2	Sakha,Russia	59.6578N	112.4756E	430	From 1999-03-21
Peleduy Array Site B3	PDYB3	Sakha,Russia	59.6422N	112.4592E	425	From 1999-03-21
Peleduy Array Site B4	PDYB4	Sakha,Russia	59.6408N	112.4200E	443	From 1999-03-21
Peleduy Array Site B5	PDYB5	Sakha,Russia	59.6608N	112.4064E	446	From 1999-03-21
Pelee Case Petit	PCM	Martinique,France	14.8155N	61.2105W	335	
Pelee Island, Stone Alvar Conservation Area	PLIO	Ontario,Canada	41.7505N	82.6284W	143	From 2009-06-03
Pelekh	GIF5	Israel	32.9370N	35.2440E	200	From 1993-03-01 to 1993-05-31
Pelican	S31K	Alaska,U.S.A.	57.9616N	136.2320W	34	From 2016-09-21
Pelican Cone	YPPC	Wyoming,U.S.A.	44.6480N	110.1925W	2932	
Pelion	Y56A	South Carolina,U.S.A.	33.7922N	81.3047W	154	From 2013-02-21
Pellescritta (Montereale)	RM33	Italy	42.5090N	13.2145E	1097	From 2010-09-03
Pematang Sawah, Lampung	PSSM	Indonesia	5.8644S	104.6953E	6	From 2019-01-01
Pemberton	PMB	British Columbia,Canada	50.5188N	123.0760W	400	From 1993-06-05 to 2004-11-10
Pembroke	HPE	Wales,United Kingdom	51.9371N	4.7745W	355	From 1990-01-01
Pembroke	PEMO	Ontario,Canada	45.6773N	77.2466W	180	From 2009-04-27
Pemiscott Bayou	PEBM	Missouri,U.S.A.	36.1131N	89.8623W	76	
Penalolen	FSR	Santiago,Chile	33.4785S	70.5275W	781	
Pea Musera	YMUS	Spain	42.5838N	1.0202W	594	From 2010-05-01
Penas	PNS	Bolivia	16.2672S	68.4733W	3986	From 1963-01-01 to 1975-12-31
Peas	RA6D5	Bolivia	16.2385S	68.4857W	4108	From 2021-01-01
Penc	PENC	Hungary	47.7905N	19.2817E	250	
Pendagan	PENI	Sumatera,Indonesia	5.5667S	105.1710E	200	From 1991-10-01
Pen de Alhucemas	ALHU	Spain	35.2133N	3.8900W	10	From 2022-06-15
Pender Island	PIB	British Columbia,Canada	48.8167N	123.3170W	40	From 1975-11-01 to 1981-04-27
Pendleton	PNO	Oregon,U.S.A.	45.6120N	118.7630W	402	From 1975-06-01
Pendleton	PT-OR	Oregon,U.S.A.	45.6111N	118.8839W	411	From 1962-01-26 to 1963-07-29
Pendleton	F08A	Oregon,U.S.A.	45.7971N	118.7768W	487	From 2006-07-30 to 2008-06-05
Pendleton	PT-	Oregon,U.S.A.	45.6111N	118.8839W	411	From 1962-01-26 to 1963-07-29
Pendleton	U60A	North Carolina,U.S.A.	36.4718N	77.1596W	8	From 2013-04-23
Pengchaiyu	PCYT	Taiwan region	25.6294N	122.0713E	101	
Penghu	PNG	Taiwan region	23.5672N	119.5550E	11	
P'eng-hu	PHUB	Taiwan region	23.5133N	119.5720E	15	
Peninsula	PNL	Alaska,U.S.A.	59.6687N	139.3970W	579	From 1974-09-02
Penjamo Buenos Aires de Upala	PEJA	Costa Rica	10.8950N	85.3130W	416	
Penmaenmawr	WPM1	Wales,United Kingdom	53.2581N	3.9048W	353	From 1985-01-01
Penman	PENMO	Missouri,U.S.A.	36.4502N	89.6280W	85	
Pennabilli	PNNI	Italy	43.8181N	12.2628E	525	
Pennisi	EPIS	Sicily,Italy	37.6508N	15.1237E	385	From 1994-10-01
Penn State University	WRPS	Pennsylvania,U.S.A.	40.7941N	77.8653W	320	
Penn State University - DuBois	PSDB	Pennsylvania,U.S.A.	41.1273N	78.7531W	437	
Penn State Wilkes-Barre	PSWB	Pennsylvania,U.S.A.	41.3055N	76.0152W	398	
Penn St. - Brandywine Campus	PSUB	Pennsylvania,U.S.A.	39.9274N	75.4514W	110	
Pennsylvania Geol. Surv.	PAGS	Pennsylvania,U.S.A.	40.2278N	76.7221W	120	
Penon de los Banos, D. F.	PBIG	Mexico D.F.,Mexico	19.4412N	99.0843W	0	
Pen de Vlez de la Gomera	PVLZ	Spain	35.1730N	4.3010W	0	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Penonome	PNME	Panama	8.4860N	80.3269W	79	From 2010-05-10
Penrod	PNR	Nevada,U.S.A.	38.8213N	118.7940W		
Pensacola	PEN	Florida,U.S.A.	30.4667N	87.1833W		
Pensacola State College	PJC	North America,U.S.A.	30.4806N	87.2011W		
Pentalofos	PENT	Greece	40.1958N	21.1384E	1090	From 2010-10-21
Pentalofos, N033	N033M	Greece	40.7441N	22.8772E	297	
Penteli	PTL	Greece	38.0489N	23.8647E	500	
Penticton	PNT	British Columbia,Canada	49.3167N	119.6170W	550	From 1960-01-01
Pentidattilo	ME09	Italy	37.9524N	15.7564E	244	From 2008-06-28 to 2010-01-31
Penuelas	PNP	Puerto Rico	18.0583N	66.6836W	200	From 1975-07-30
Penwortham, SA	PENW	South Australia	33.9293S	138.6208E	430	From 2019-01-20
Penzance	CPZ	England,United Kingdom	50.1560N	5.5835W	198	From 1981-01-01
Pepperwood Preserve	PWOD	California	38.5808N	122.7019W	438	From 2022-09-30
Pequot Lakes	E35A	Minnesota,U.S.A.	46.5572N	94.4043W	409	From 2010-08-25 to 2012-07-29
Pera	PFPE	Portugal	37.1340N	8.3178W	33	From 1996-01-01 to 2009-05-30
Perakula, Nova	EE01	Estonia	59.2065N	23.6223E	8	From 2015-05-18
Perakula, Nova, Laane-Nigula	NOPE	Estonia	59.2089N	23.6238E	6	From 2023-04-20
Peraleda del Zaucejo, Badajoz	E030	Spain	38.4684N	5.6264W	627	From 2007-09-16 to 2009-06-17
Peralta Trail, Apache Junction	Z16A	Arizona,U.S.A.	33.3410N	111.4273W	537	From 2007-03-15 to 2008-12-03
Peran	IPRN	Iran	36.2419N	52.3381E	1333	From 2000-08-01
Perchaven, Sanger	Z35A	Texas,U.S.A.	33.3308N	97.2530W	235	From 2009-11-11 to 2011-09-10
Perdaxius- Is Atzoris (CI)	SU13	Sardinia	39.1435N	8.6053E	170	From 2014-11-14 to 2015-09-01
Perdido Creek Ranch, Del Rio	631A	Texas,U.S.A.	29.4123N	100.5759W	344	From 2009-02-19 to 2011-01-21
Perez Zeledon	ZEDO	Costa Rica	9.3550N	83.6828W	690	
Perez Zeledon	ZELE	Costa Rica,Costa Rica	9.3730N	83.7070W	729	
Perez Zeledon, Campus UNA, Perez Zeledon, San José	PEZE	Costa Rica	9.3826N	83.6775W	807	From 2010-06-03
Pergola	PRGL	Italy	43.5450N	12.8361E	273	From 2020-01-30
Perigny	PRYF	Poitou-Charentes,France	46.1635N	1.0507W	30	
Peris	PRS2	Romania	44.6794N	26.0193E	106	From 2015-10-09
Peristeri Attica	PER1	Greece	38.0119N	23.7027E	62	From 2012-09-01
Perivolia Chania	PERI	Crete	35.4825N	23.9928E	84	From 2015-06-01
Perm'	PR5R	Permskiy Kray,Russia	58.1047N	56.1265E	110	From 2004-03-16 to 2006-02-06
Permian Basin 1	TPB01	Texas	30.9437N	103.7811W	1010	From 2017-09-13
Permian Basin 6	TPB06	Texas	31.6472N	103.2182W	831	From 2017-10-11
Permian Basin 8	TPB08	Texas	30.8917N	102.9074W	926	From 2017-05-25
Permogore	PRGR	Arkangel'skaya Oblast',Russia	61.6362N	45.6272E	84	
Pernaja	PVF	Finland	60.5451N	25.8616E	45	From 1991-06-11
Pernice	PERS	Slovenia	46.6359N	15.1167E	795	
Perrin-Whitt Elementary School	FW03	Texas,U.S.A.	33.0396N	98.0652W	321	From 2016-10-17
Perris	PEC	California,U.S.A.	33.8919N	117.1610W	616	From 1970-01-01
Perris	PRR	California,U.S.A.	33.7800N	117.2330W	440	
Perry	K48A	Michigan,U.S.A.	42.8032N	84.1197W	273	From 2012-09-15
Perry	K55A	New York,U.S.A.	42.7278N	78.0696W	482	From 2012-12-13
Perry	554A	Florida,U.S.A.	30.0841N	83.6836W	12	From 2012-02-13
Perry Basin	PBU	Utah,U.S.A.	41.4682N	112.0100W	1625	From 1975-09-01 to 1981-11-30
Perryville	PRYA	Alaska,U.S.A.	55.9088N	160.1700W	20	From 1993-06-01
Perryville	PV-AR	Arkansas,U.S.A.	34.9294N	92.6700W	213	From 1962-06-15 to 1962-06-28
Perryville	PV-	Arkansas,U.S.A.	34.9294N	92.6700W	213	From 1962-06-15 to 1962-06-28
Persembe	PERT	Turkey	41.0792N	37.7358E	480	From 1994-06-01 to 1999-09-23
Persembe-Ordu	PRSB	Turkey	41.1044N	37.7752E	274	From 2012-03-22
Pertek	PTK	Turkey	38.8920N	39.3920E	1835	From 2004-08-30
Perth	PER	Western Australia,Australia	31.9527S	115.8390E	55	
Perticara (RN)	MF05	Italy	43.9050N	12.2271E	554	From 2022-11-16
Perugia	UPRP	Italy	43.0898N	11.0500E	319	From 2002-08-30
Perugia	PRG	Italy	43.1014N	12.3969E	495	
Perugia	PEG	Italy	43.1014N	12.3969E	495	
PERUGIA PALAZZO PRIORI	PRGP	Italy	43.1116N	12.3882E	430	From 2016-12-05
Pesaro	PESA	Italy	43.9410N	12.8402E	221	From 2002-12-02
Pesaro	PRO	Italy	43.9167N	12.9167E		From 1976-06-01
Pesaro	PESR	Italy	43.8942N	12.8763E	13	From 2022-11-09
Pesaro	PS1	Italy	43.9167N	12.9167E		From 1976-06-01
Pescadero	PESC	California	37.2460N	122.3830W	98	From 2023-06-12
Pescadero	PSD	California,U.S.A.	37.1990N	122.3480W	84	From 1970-11-25
Pescantina	PDN2	Italy	45.4975N	10.8762E	124	From 2021-07-13
Pescasseroli (AQ)	T0204	Italy	41.8666N	13.7809E	1371	From 2009-10-08 to 2010-01-22
Pesch	BD10	Nordrhein-Westfalen,Germany	51.0548N	6.4572E	80	From 2001-01-01 to 2006-11-30
Pescomaggiore	MI01	Italy	42.3580N	13.5098E	740	From 2009-04-07 to 2009-04-27
Pescosannita	IPES	Italy	41.2333N	14.8333E	395	From 1999-01-01
Pescosannita	PSB1	Italy	41.2234N	14.8108E	551	
PESCO SANNITA	PS009	Italy	41.2344N	14.8115E	401	From 1986-01-10
Pese, Herrera	PESE3	Panama	7.9080N	80.6130W	115	From 2010-01-01
Peshawar	PES	Pakistan	34.0050N	71.5483E		
Peshawar	PSH	Pakistan	33.9371N	71.4341E	456	From 1976-01-01
Peshkopia	PHP	Albania	41.6847N	20.4408E	728	
Pesisir Selatan, Lampung	PPSM	Indonesia	5.3182S	104.0156E	3	From 2019-01-01
Pessada-Kefalonia	PSDA	Greece	38.1140N	20.5841E	48	From 2014-10-10
Pestisani	PTSR	Romania	45.0812N	23.0530E	277	From 2023-02-16
Petalidi	PET1	Greece	36.9639N	21.9255E	9	From 2011-10-01
Petatlan	PET2	Guerrero	17.5353N	101.2628W	80	
Petauke	PTZ	Zambia	14.2490S	31.3390E	1027	
Peterborough	PBR1	South Australia,Australia	32.9787S	138.8357E	555	From 2011-06-29
Peter Faust Dam	PETE	Queensland,Australia	20.4388S	148.4234E	140	
Peter Gray Mountain	PGY	New York,U.S.A.	43.7077N	74.0452W		From 1986-11-01
Petersbachel	PEB	Rheinland-Pfalz,Germany	49.0657N	7.6907E	331	
Petersburg	PBG	Alaska,U.S.A.	56.8010N	132.9277W	37	From 1995-04-19
Petersburg	PBG1	Alaska,U.S.A.	56.7940N	132.9142W	75	
Petersburg	PSA	Alaska,U.S.A.	56.8083N	132.9533W	17	From 1975-01-01
Petersburg	PBV	Virginia,U.S.A.	36.9823N	77.5312W	49	From 1978-10-10 to 2004-09-30
Petersburg	T33K	Alaska,U.S.A.	56.8144N	132.9524W	22	From 2016-08-16
Petersburg Public Schools	PPSA	Alaska,U.S.A.	56.8130N	132.9550W	25	
Peters Creek, San Mateo County	JPC	California,U.S.A.	37.2708N	122.2127W	257	From 2001-03-07
Peters Farms, Glenburn	B27A	North Dakota,U.S.A.	48.4044N	101.2600W	492	From 2009-08-05 to 2011-06-11
Peterson	PTR	Alabama,U.S.A.	33.2172N	87.4333W	122	From 1971-01-09
Peters Valley	PVN	New Jersey,U.S.A.	41.1957N	74.8697W	175	From 1973-02-01 to 1974-07-31
Petersville	L22K	Alaska,U.S.A.	62.5258N	150.7703W	817	From 2019-10-17
Petit Bourg	GPTB	Guadeloupe,France	16.1961N	61.5947W	30	From 2005-02-01
Petite-Riviere-des-Nippes, Nippes	SPRIV	Haiti	18.4770N	73.2446W	1	From 2021-08-18
Petit Monier	SLW	St Lucia	14.0203N	60.9384W	366	From 1978-06-25
Petit-Nobressart	PNBR	Luxembourg	49.7793N	5.8053E	379	From 2013-06-17
Petit Puy Manson	PYM	Auvergne,France	45.7505N	3.0078E	970	From 1980-06-01
Petnica	PTNS	Serbia	44.2467N	19.9357E	0	
Petone Municipal Building	PGMS	North Island,New Zealand	41.2245S	174.8794E	6	From 1999-08-20
Petone Overbridge	PTOS	North Island,New Zealand	41.2230S	174.8603E	7	From 2011-06-03
Petone Victoria Street	PVCS	North Island,New Zealand	41.2248S	174.8739E	0	From 2011-07-01
Petorca	PTCH	Valparaiso,Chile	32.2635S	70.9300W	500	
Petoskey	G46A	Michigan,U.S.A.	45.3176N	84.8621W	239	From 2012-11-11
PETRACHIOAIA	PCHR	Romania	44.5852N	26.3090E	76	From 2008-11-14
Petra (Lesvos)	LES4	Greece	39.3269N	26.1770E	14	From 2023-10-13
Petralia Soprana	PETRA	Sicily,Italy	37.8335N	14.1148E	1547	From 2012-07-26
Petrana	MZ22	Italy	42.6475N	13.2917E	1015	From 2016-09-28 to 2016-10-26
Petresti	PETR	Romania	45.7230N	27.2310E	86	
Petrified Forest	W18A	Arizona,U.S.A.	35.1181N	109.7357W	1750	From 2007-05-01
Petrohue	LL03	Los Lagos	41.1384S	72.4034W	227	From 2015-02-12
Petrolia	PETL	California	40.2884N	124.3427W	53	From 2017-12-01
Petrolia	WLKR	California	40.3629N	124.3224W	273	From 2022-08-26
Petrolina-PE	NBPE	Pernambuco	9.3218S	40.5457W	388	From 2021-11-09
Petropavlovsk	PET	Kamchatskaya Oblast',Russia	53.0239N	158.6531E	68	
Petropavlovsk-Kamchatskiy Array Site A0	PEA0	Russia	53.1082N	157.6989E	400	
Petropavlovsk-Kamchatskiy Array Site A1	PEA1	Russia	53.1132N	157.6984E	391	
Petropavlovsk-Kamchatskiy Array Site A2	PEA2	Russia	53.1078N	157.7051E	381	
Petropavlovsk-Kamchatskiy Array Site A3	PEA3	Russia	53.1071N	157.6897E	415	
Petropavlovsk-Kamchatskiy Array site AOB	PEA0B	Kamchatskaya Oblast',Russia	53.1082N	157.6989E	380	
Petropavlovsk-Kamchatskiy Array Site B1	PEB1	Russia	53.1260N	157.6904E	369	
Petropavlovsk-Kamchatskiy Array Site B2	PEB2	Russia	53.1179N	157.7219E	367	
Petropavlovsk-Kamchatskiy Array Site B3	PEB3	Russia	53.1006N	157.7239E	406	
Petropavlovsk-Kamchatskiy Array Site B4	PEB4	Russia	53.0920N	157.6961E	432	
Petropavlovsk-Kamchatskiy Array Site B5	PEB5	Russia	53.1197N	157.6750E	430	
Petropavlovsk-Kamchatskiy Array site P	PETK	Kamchatskaya Oblast',Russia	53.1082N	157.6989E	400	
Petropavlovsk-Kamchatskiy Array site S2	PES2	Kamchatskaya Oblast',Russia	53.1096N	157.7226E	416	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
PETROPAVLOVSK-KAMCHATSKY INFRASONIC ARRAY REFERENCE POINT	PPRAV	Kamchatskaya Oblast',Russia	53.1058N	157.7139E	380	From 2006-10-30
Petropavlovskoye	PETS	Sakhalinskaya Oblast',Russia	46.7900N	142.5000E	35	
Petrosani	INXR	Romania	45.4231N	23.3771E	653	From 2022-11-29
Petroterminal	PTP1	Panama	8.2047N	82.4282W	10	
Petro Terminal	PTPA	Panama	8.2000N	82.8700W	63	
Petroterminales	PTPM	Panama	8.2043N	82.8790W	63	
Petrova Gora	A254A	Croatia	45.3148N	15.8050E	543	From 2016-06-07
Petrozavodsk	PTRZ	Karelia	61.8420N	34.3800E	81	From 2013-01-20
Petrulli	EPET	Sicily,Italy	37.7037N	15.1202E	630	From 1994-10-01
Pettibone, Tappen	D29A	North Dakota,U.S.A.	47.0605N	99.5957W	551	From 2009-08-05 to 2011-06-28
Pettigrew	V39A	Arkansas,U.S.A.	35.8389N	93.6450W	744	From 2011-01-29 to 2012-10-30
Pettoranello del Molise	PET25	Italia	41.5663N	14.2578E	731	From 2018-12-10
Peulik 1	PLK1	Alaska,U.S.A.	57.8019N	156.6072W	78	
Peulik 2	PLK2	Alaska,U.S.A.	57.7642N	156.3243W	401	
Peulik 3	PLK3	Alaska,U.S.A.	57.6887N	156.2674W	494	
Peulik 4	PLK4	Alaska,U.S.A.	57.6321N	156.3577W	1031	
Peulik 5	PLK5	Alaska,U.S.A.	57.9977N	156.8777W	49	
Peulik Blue Creek	PLBL	Alaska,U.S.A.	57.6998N	156.8189W	461	
Peulik Whale Mountain	PLWL	Alaska,U.S.A.	58.0449N	156.3413W	0	
Peumo	U69B	O'Higgins,Chile	34.3707S	71.1762W	163	
Peyrins, 26231, Drome, Auvergne-Rhone-Alpes	A185A	France	45.1209N	5.0728E	420	From 2016-03-17
Pezza	BBB4	Italy	43.4239N	12.6864E	898	From 2011-02-09
Pezze di Greco (BR)	PE1	Italy	40.8050N	17.4230E	80	From 1983-07-01
Pfaffnau Reservoir	PFAFF	Switzerland	47.2303N	7.9094E	587	From 2012-08-01
Pfieffer Point	BPFM	California,U.S.A.	36.2300N	121.7720W	349	From 1973-12-18
Phalaborwa	PHW	South Africa	23.9505S	31.1388E	440	
Phantom Ranch, North Zulch	437A	Texas,U.S.A.	30.8292N	96.1386W	95	From 2010-02-18 to 2011-12-09
Phaplu	PHAP	Nepal	27.5150N	86.5842E	2488	From 2001-10-14 to 2002-10-27
Phare de Pertusato	BONIF	Corse,France	41.3746N	9.1947E	100	From 2011-10-18
Phelps	PHEL	New York,U.S.A.	42.9542N	77.0950W	188	
Phepeng	PHPEN	Botswana	25.4755S	22.8573E	1030	
Phidim	PHID	Nepal	27.1502N	87.7645E	1176	From 2001-10-22 to 2002-10-31
Philadelphia	PHI	Pennsylvania,U.S.A.	39.9589N	75.1750W	5	From 1934-07-01 to 1971-08-28
Philippi	PX-WV	West Virginia,U.S.A.	39.0761N	79.9111W	518	
Philippi	PX-	West Virginia,U.S.A.	39.0761N	79.9111W	518	
Philips Town, Northern Cape	PHILP	South Africa	30.4319S	24.4776E	1371	From 2021-07-10
Philisteinsche Polder	PPB	Netherlands	52.6533N	4.6701E	0	
Philisteinsche Polder (Bergen)	PPB3	Netherlands	52.6526N	4.6700E	-164	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB1	Netherlands	52.6526N	4.6700E	-14	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB4	Netherlands	52.6526N	4.6700E	-239	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB2	Netherlands	52.6526N	4.6700E	-89	From 2010-11-16
Phinny Hill Vineyards, Prosser	F07A	Washington,U.S.A.	45.8951N	119.9278W	227	From 2006-08-27 to 2008-12-03
Phitsanulok	PHIT	Thailand	17.1893N	100.4165E	113	
Phoenix Point, Boone	L37A	Iowa,U.S.A.	42.1246N	93.7546W	312	From 2010-11-08 to 2012-08-28
PH. Pirrs	PICV	Costa Rica	9.6270N	84.1945W	562	
Phrae	PHRA	Thailand	18.4989N	100.2293E	186	
Phuduhudu	PHDHD	Botswana	20.1957S	24.5372E	956	
Phuket	PKDT	Thailand	7.8920N	98.3350E	53	
Phuket	PKT	Thailand	8.0800N	98.1900E		From 1994-07-01
Phulchoki	PKIN	Nepal	27.5770N	85.3965E	2300	From 2007-04-17
Phu-Lien	PLV	Vietnam	20.8060N	106.6290E	90	From 1924-01-01
Piacenza	PCN	Italy	45.0353N	9.7247E	55	
Piamonte	PMON	El Salvador	13.7122N	89.3144W	980	From 2013-03-04
Piancastagn	PCP	Italy	44.5413N	8.5452E	770	From 1989-03-15
Pian d¢Assino	UMPS	Italia	43.2953N	12.3654E	252	From 2023-03-10
Piano d'Api	EPAP	Sicily,Italy	37.6363N	15.1415E	295	From 1994-10-01
Piano di Cascina (Cagnano Amiterno)	RM09	Italy	42.4355N	13.1865E	1127	From 2009-04-07 to 2010-03-04
Piano Vulcano	PV6*	Sicily,Italy	38.3767N	14.9822E		From 1966-04-01 to 1966-05-01
Pian Palu'	DPAL	Italy	46.3352N	10.6133E	1813	From 2015-10-13
Piatra Neamt	PNT3	Romania	46.9346N	26.3625E	317	From 2015-09-21
Piatra Neamt	PTT	Romania	46.9347N	26.3861E	350	From 1987-01-15
Piazza al Serchio	PZS	Italy	44.1885N	10.2886E	659	
Piazza Armerina	PZAM	Italy	37.3900N	14.3705E	757	From 2023-01-19
Picacho	PICS	El Salvador	13.7394N	89.2550W	1960	From 1991-12-01
Picacho Peak	PIC	California,U.S.A.	32.9142N	114.6430W	263	
Picayune	PC-	Mississippi,U.S.A.	30.5558N	89.7825W	12	From 1966-11-12 to 1966-12-06
Picayune	PC-MS	Mississippi,U.S.A.	30.5558N	89.7825W	12	From 1966-11-12 to 1966-12-06
Piccione	A001	Italy	43.1671N	12.5206E	317	From 2011-02-09
PICH	PICHH	Bolivia	19.8107S	63.7239W	1676	From 1994-05-30 to 1995-08-08
Pichilemu	PICH	O'Higgins,Chile	34.3858S	72.0019W	30	
Pichilemu	BO03	O'Higgins	34.4961S	71.9612W	128	From 2014-10-29
Pichilemu	CHPI	O'Higgins,Chile	34.3904S	72.0033W	20	From 2010-05-06
Pichincha	GPNO	Ecuador	0.1530S	78.6222W	4040	
Picinisco	PCNC	Italy	41.6435N	13.8714E	804	From 2021-09-24
Pickens	PKO	Oklahoma,U.S.A.	34.3973N	95.0311W	264	From 1987-10-16
Pickering	PKRO	Ontario,Canada	43.9643N	79.0714W	197	From 2009-04-16
Pickett Peak	KPPM	California,U.S.A.	40.3460N	123.3620W	1762	
Pickford	PF-	Michigan,U.S.A.	46.0878N	84.4608W	259	From 1963-01-03 to 1963-06-17
Pickford	PF-MI	Michigan,U.S.A.	46.0878N	84.4608W	259	From 1963-01-03 to 1963-06-17
Pickle Lake	PKLO	Ontario,Canada	51.4987N	90.3522W	376	
Pickwick Lake	PWLA	Alabama,U.S.A.	34.9800N	88.0640W	204	From 1980-05-14
Pickwick Lake	PLAL	Alabama,U.S.A.	34.9824N	88.0755W	165	
Pico	PICO	Azores,Portugal	38.5008N	28.4256W	775	From 1989-05-26
Pico Bartolomeu	BART	Azores,Portugal	37.7772N	25.1689W	887	
Pico da Cruz	PCRZ	Azores,Portugal	37.8448N	25.7585W	845	
Pico das Favas	PFAV	Azores,Portugal	38.7113N	27.0844W	153	From 2004-08-01
Pico de Oro	PB19	Chile	23.9048S	69.2906W	2480	From 2017-03-11
Pico do Norte, Sta. Barbara	PSMN	Azores,Portugal	37.0031N	25.0654W	276	From 2003-02-12
Pico dos Bois	PBOI	Azores,Portugal	38.4362N	28.3754W	540	From 2005-08-01
Pico dos Padres	PPAD	Azores,Portugal	38.7006N	27.2872W	305	From 2003-03-01
Pico do Teixo	PTEI	Azores,Portugal	38.4950N	28.3565W	820	From 2006-03-01
Pico El Aguila	EAV	Venezuela	8.8550N	70.8230W	4204	
Pico Espejo	PMV	Venezuela	8.5333N	71.0500W	4765	From 1979-01-01 to 2001-08-14
Pico Herrero	APHE	Spain	36.9520N	3.6880W	1360	
Pico Tres Padres	PTVM	Mexico D.F.,Mexico	19.5930N	99.1130W	2230	
Pico Vermelho	PVER	Azores,Portugal	37.7970N	25.5140W	135	From 2003-01-01
Picton Queen Charlotte College	QCCS	South Island,New Zealand	41.2796S	174.0231E	27	From 2002-02-21
Piedade	PIED	Azores,Portugal	38.4190N	28.0538W	235	From 1993-02-02
Pie de Palo	PPA	San Juan,Argentina	31.5156S	68.2686W	550	
Piedicolle (AQ), Italy	MB06	Italy	42.5227N	13.2622E	818	From 2016-11-30 to 2016-12-12
Piedimonte	EPMN	Sicily,Italy	37.8188N	15.1778E	470	From 1994-10-01
Piedmont	Y50A	Alabama,U.S.A.	33.8911N	85.7347W	248	From 2011-12-20
Piedmont	PDTN	Tennessee,U.S.A.	35.2733N	85.8495W	335	From 1985-09-19
Piedra	PDRA	Patagonia	42.8534S	72.3459W	1492	From 2010-01-01
Piedra Azul, Merced County	AZUL	California	36.8110N	120.9840W	1101	From 2023-06-15
Piedra Blanca	DR09	Dominican Republic	18.8113N	70.4166W	940	
Piedras Gordas	PGX	Baja California,Mexico	31.9620N	116.4420W	970	
Pieia	PIEI	Italy	43.5360N	12.5350E	665	From 2002-03-18
Pier 30 Seattle	PIER	Washington,U.S.A.	47.5835N	122.3409W	4	
Pierantonio	UMPR	Italy	43.2638N	12.3888E	244	From 2023-03-10
Pierce County East Precinct	PCEP	Washington,U.S.A.	47.1119N	122.2901W	10	
Pierce County Firing Range	PCFR	Washington,U.S.A.	46.9898N	122.4409W	10	
Pierce County Mountain Detachment	PCMD	Washington,U.S.A.	46.8891N	122.3003W	239	
Pierce Ferry	PFA	Arizona,U.S.A.	36.1208N	114.0050W	417	From 1940-10-01 to 1952-06-30
Pierce Place, Pray	G17A	Montana,U.S.A.	45.3212N	110.7398W	1574	From 2007-10-20 to 2009-09-08
Pierce - Schroeder Farm, Trego	F38A	Wisconsin,U.S.A.	45.9588N	91.8775W	321	From 2011-08-27 to 2013-07-10
Pier house	PIRH	Turkey	40.8645N	28.9949E	15	From 2006-10-04
Pierpont	PPS	South Carolina,U.S.A.	32.8236N	80.0400W	4	From 1976-03-31
Piesco	J59A	New York,U.S.A.	43.4647N	74.5041W	541	From 2013-08-27
Pietermaritzburg	PIE	Natal,South Africa	29.6200S	30.3967E	656	From 1968-04-01 to 1999-08-25
Pietermaritzburg	PTM	Natal,South Africa	29.6271S	30.4035E	671	
Pietermaritzburg,KwaZulu Natal	PMBG	South Africa	29.5118S	30.5097E	656	From 2018-03-03
Pietrabbondante (IS)	PABO	Italia	41.7489N	14.3870E	1016	From 2021-05-03
Pietralacroce	PCRO	Italy	43.6077N	13.5323E	165	From 2009-01-05
Pietralunga	TB03	Italia	43.4013N	12.4103E	580	From 2012-07-06
Pietralunga	CCN3	Italy	43.4219N	12.4403E	625	From 2011-03-15
Pietralunga	TB02	Italia	43.3704N	12.4094E	691	From 2012-07-06
Pietralunga	PIET	Italy	43.4430N	12.4386E	573	From 2013-09-01
Pietralunga - Aviosuperficie	ATPI	Italy	43.4507N	12.4022E	693	From 2009-03-17

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pietrapaola	PIPA	Italy	39.4851N	16.8158E	479	From 2008-07-02
Pietrapertosa	PTRP	Italy	40.5215N	16.0612E	1077	From 2003-12-05
Pietraperzia	CPTP	Sicily,Italy	37.4075N	14.1625E	560	From 2011-11-21
Pietraquaria	PTQR	Italy	42.0219N	13.4006E	957	
Pietraroja	PTRJ	Italy	41.3641N	14.5290E	1027	From 2007-01-18
PIEVEBOVIGLIANA	PBN	Italy	43.0637N	13.0821E	503	From 2016-11-03
Pieve de Saddi	D002	Italy	43.4208N	12.3795E	611	From 2011-03-15
Pieve di Cadore	PDC	Italy	46.4100N	12.3700E		
Pieve di Coriano (MN)	MIR06	Italy	45.0401N	11.0875E	17	From 2012-05-23
Pievefavera	PF6	Italy	43.1488N	13.1930E	425	From 2005-01-17
Pieve Santo Stefano	PVS	Italy	43.6695N	12.0436E	440	
Pigeon Bay	PBS	South Carolina,U.S.A.	33.2790N	80.2640W	25	From 1974-05-20 to 1988-05-23
Pigeon Point	PIG	Trinidad and Tobago	11.1610N	60.8410W		
PIGNATARO	PGN	Italy	41.4524N	13.7916E	740	From 2009-10-09
Pignataro Maggiore	PIGN	Italy	41.2003N	14.1802E	343	From 2011-02-24
Pignataro Maggiore	PGMG	Italia	41.1880N	14.1738E	99	From 2023-05-30
Pigniu (Panix)	PANIX	Switzerland	46.8257N	9.1117E	1433	From 2011-08-05
Pignola, Italy	PGN3	Italy	40.5722N	15.7967E	882	From 2008-10-23
Pignon, Saint-Raphael, Nord	NPIGN	Haiti	19.3177N	72.1269W	342	From 2019-12-07
Pikevile	V50A	Tennessee,U.S.A.	35.6713N	85.1000W	287	From 2012-05-07
Pikit	PICP	Philippines	7.0604N	124.6781E	100	
Pilaia Thessaloniki	PLA1	Greece	40.5557N	22.9888E	34	From 2011-05-01
Pilar	PIL	Cordoba,Argentina	31.6683S	63.8833W	338	
Pilar	SET3	Azores,Portugal	37.8918N	25.7820W	300	From 1998-10-01
Pilarcitos Creek	PCC	California,U.S.A.	37.5000N	122.3820W	91	From 1965-01-01
Pilar de la Horadada	EXPDH	Spain	37.8680N	0.7802W	41	
Pilbara Seismic Array Element 00	PSA00	Western Australia,Australia	21.5726S	119.8459E	244	From 2010-09-01
Pilbara Seismic Array Element A1	PSAA1	Western Australia,Australia	21.5767S	119.8363E	277	From 2010-09-01
Pilbara Seismic Array Element A2	PSAA2	Western Australia,Australia	21.5627S	119.8468E	265	From 2010-09-01
Pilbara Seismic Array Element A3	PSAA3	Western Australia,Australia	21.5781S	119.8548E	365	From 2010-09-01
Pilbara Seismic Array Element B1	PSAB1	Western Australia,Australia	21.5689S	119.8219E	282	From 2010-09-01
Pilbara Seismic Array Element B2	PSAB2	Western Australia,Australia	21.5552S	119.8612E	348	From 2010-09-01
Pilbara Seismic Array Element B3	PSAB3	Western Australia,Australia	21.5933S	119.8549E	309	From 2010-09-01
Pilbara Seismic Array Element C1	PSAC1	Western Australia,Australia	21.5333S	119.8091E	283	From 2010-09-01
Pilbara Seismic Array Element C2	PSAC2	Western Australia,Australia	21.5626S	119.9008E	324	From 2010-09-01
Pilbara Seismic Array Element C3	PSAC3	Western Australia,Australia	21.6218S	119.8278E	325	From 2010-09-01
Pilbara Seismic Array Element D1	PSAD1	Western Australia,Australia	21.4547S	119.8301E	260	From 2010-09-01
Pilbara Seismic Array Element D2	PSAD2	Western Australia,Australia	21.6175S	119.9630E	400	From 2010-09-01
Pilbara Seismic Array Element D3	PSAD3	Western Australia,Australia	21.6433S	119.7798E	312	From 2010-09-01
PILCANIYEU INFRASONIC ARRAY REFERENCE POINT	PIAR	Patagonia,Argentina	41.1138S	70.7201W	1013	From 2019-12-17
Pilgrim Ck.	I17A	Wyoming,U.S.A.	43.9200N	110.5759W	2134	From 2007-09-19 to 2010-06-09
Pilgrimsrest, Mapumalanga, South Africa	PILG	South Africa	24.9320S	30.7090E	1915	From 2017-03-09
Pilkanmaa	KY14	Finland	60.9116N	26.5340E	77	From 2018-01-14
Pilon	PILO	Cuba	19.9083N	77.4053W	477	
Pilot Hill	PHWY	Wyoming,U.S.A.	41.3016N	105.4578W	2645	
Pilot Hill -- Preliminary Site	PHWY1	Wyoming,U.S.A.	41.2855N	105.4453W	2666	
Pilot Knob	PLT	California,U.S.A.	32.7312N	114.7290W	61	From 1973-04-16
Piloto, Monte Cristi	LOPI	Dominican Republic	19.5992N	71.2064W	73	From 2020-11-14 to 2022-06-09
Pilot Point	R16K	Alaska,U.S.A.	57.5673N	157.5742W	38	From 2016-06-08
Pilot Rock	G08A	Oregon,U.S.A.	45.2904N	118.9595W	1318	From 2006-08-10 to 2008-12-03
Pilot Rock	PK-	Oregon,U.S.A.	45.3175N	118.9092W	1036	From 1962-06-06 to 1962-06-28
Pilot Rock	PK-OR	Oregon,U.S.A.	45.3175N	118.9092W	1036	From 1962-06-06 to 1962-06-28
PIN	CPIN	Costa Rica	9.6705N	84.3978W	363	From 2002-04-11 to 2002-10-01
Pinacate	PIX	Sonora	31.5600N	113.4600W	79	
Pinalito	DR03	Dominican Republic	19.2725N	70.7688W	710	
Pinalito	DR3	Dominican Republic	19.2725N	70.7688W		
Pinar	PINR	Spain	36.4990N	6.1183W	10	
Pinarbasi	PINB	Turkey	38.6769N	36.4027E	2288	From 2006-10-19 to 2013-06-01
Pinares de Mayari	PINC	Cuba	20.4870N	75.7910W		
Pinarhisar	PHSR	Turkey	41.6307N	27.5239E	263	From 2009-07-09
Pinatubo--East Slope	PINP	Luzon,Philippines	15.2190N	120.3340E	350	
Pinawa	PWM	Manitoba,Canada	50.1919N	96.0364W	274	From 1978-10-06 to 1984-05-15
Pinckard	351A	Alabama,U.S.A.	31.2753N	85.6036W	48	From 2012-02-02
Pindari Dam	PDDM	Queensland,Australia	29.3801S	151.2429E	499	
Pindiu	PDUI	Papua New Guinea	6.4470S	147.5110E	950	From 1988-06-16
Pine Canyon	AN1*	California,U.S.A.	36.5622N	121.6360W	305	From 1967-09-24 to 1976-12-31
Pine Canyon	BPCNC	California,U.S.A.	36.5734N	121.6269W	173	
Pine Canyon	BPCM	California,U.S.A.	36.5650N	121.6360W	268	From 1976-02-14
Pine Canyon	PNC	California,U.S.A.	36.5622N	121.6360W	305	From 1967-09-24 to 1976-12-31
Pine Creek	G29M	Yukon Territories,Canada	66.9116N	138.0223W	572	From 2017-08-17
Pine Creek	PN-	Oregon,U.S.A.	43.7431N	118.5772W	1250	
Pine Creek	PINI	Idaho,U.S.A.	43.5076N	111.3460W	1932	From 1986-01-01
Pine Creek	PN-OR	Oregon,U.S.A.	43.7431N	118.5772W	1250	
Pine Crest Farm, Angora	C36A	Minnesota,U.S.A.	47.7580N	92.8378W	410	From 2010-09-16 to 2012-08-02
Pinedale	PI2	Wyoming,U.S.A.	42.7750N	109.7400W	234	From 1965-03-01 to 1965-04-26
Pinedale	PI-	Wyoming,U.S.A.	42.4528N	109.5486W	2170	From 1964-01-22 to 1964-04-29
Pinedale	PIN	Wyoming,U.S.A.	42.5825N	109.7170W	2225	From 1973-03-22 to 1973-06-08
Pinedale	PI7	Wyoming,U.S.A.	42.4397N	109.5730W	2179	From 1974-03-01 to 1976-01-31
Pinedale	PI6	Wyoming,U.S.A.	42.7262N	109.6060W	2225	From 1974-03-01 to 1976-01-31
Pinedale	PI2WY	Wyoming,U.S.A.	42.7672N	109.5619W	2195	
Pinedale	PI5	Wyoming,U.S.A.	42.5671N	109.9120W	2273	From 1974-03-01 to 1976-01-31
Pinedale	PI4	Wyoming,U.S.A.	42.6283N	109.8930W	2194	From 1973-12-11 to 1974-02-22
Pinedale	PI-WY	Wyoming,U.S.A.	42.4528N	109.5486W	2170	From 1964-01-22 to 1964-04-29
Pinedale	PI1	Wyoming,U.S.A.	42.5953N	109.5450W	2195	From 1973-06-08 to 1973-08-13
Pinedale	PI3	Wyoming,U.S.A.	42.4417N	109.5790W	2164	From 1973-10-18 to 1973-12-11
Pinedale Array Beam Ref. Point	PDAR	Wyoming,U.S.A.	42.7667N	109.5579W	2214	
Pinedale Array Site 1	PD01	Wyoming,U.S.A.	42.7765N	109.5832W	2199	
Pinedale Array Site 10	PD10	Wyoming,U.S.A.	42.7595N	109.5570W	2216	
Pinedale Array Site 11	PD11	Wyoming,U.S.A.	42.7526N	109.5769W	2182	
Pinedale Array Site 12	PD12	Wyoming,U.S.A.	42.7551N	109.5631W	2186	
Pinedale Array Site 13	PD13	Wyoming,U.S.A.	42.7551N	109.5497W	2337	
Pinedale Array Site 2	PD02	Wyoming,U.S.A.	42.7782N	109.5664W	2218	
Pinedale Array Site 3	PD03	Wyoming,U.S.A.	42.7759N	109.5496W	2293	
Pinedale Array Site 31	PD31	Wyoming,U.S.A.	42.7667N	109.5579W	2214	
Pinedale Array Site 32	PD32	Wyoming,U.S.A.	42.7670N	109.5582W	2213	From 2010-10-27
Pinedale Array Site 4	PD04	Wyoming,U.S.A.	42.7660N	109.5744W	2185	
Pinedale Array Site 5	PD05	Wyoming,U.S.A.	42.7704N	109.5666W	2184	
Pinedale Array Site 7	PD07	Wyoming,U.S.A.	42.7704N	109.5445W	2331	
Pinedale Array Site 8	PD08	Wyoming,U.S.A.	42.7589N	109.5836W	2190	
Pinedale Array Site 9	PD09	Wyoming,U.S.A.	42.7618N	109.5672W	2208	
Pinedale Infrasonic Array Beam Reference Point	PDIAR	Wyoming,U.S.A.	42.7663N	109.5939W	2332	
Pine Flat Road	PFR	California,U.S.A.	38.7527N	122.7445W	1020	
Pine Grove	444A	Louisiana,U.S.A.	30.7153N	90.7463W	40	From 2011-03-09 to 2012-12-08
Pine Lake Middle School	PNLK	Washington,U.S.A.	47.5806N	122.0284W	10	
Pine Mountain	PEM	California,U.S.A.	34.1673N	117.8700W		From 1976-02-01
Pine Mountain	WPMQ	Queensland,Australia	27.5357S	152.7360E	35	From 1977-03-18
Pine Mountain	PMT	Oregon,U.S.A.	43.7909N	120.9450W	1924	From 1969-09-22 to 1984-01-17
Pine Mountain	GPMM	California,U.S.A.	38.8475N	122.9463W	783	From 1973-09-21
Pine Mountain	PINOR	Oregon,U.S.A.	43.8111N	120.8719W		
Pine Mountain	VPIM	Oregon,U.S.A.	43.7908N	120.9450W	1932	
Pine Mountain Observatory	PINE	Oregon,U.S.A.	43.7921N	120.9407W	1916	
Pine Nut	PNTR	Nevada,U.S.A.	39.0891N	119.5997W	2076	
Pine Pass	PPC	British Columbia,Canada	55.4000N	122.6170W		From 1969-07-01 to 1973-04-06
Pinerolo	PNI	Italy	44.9192N	7.3139E	585	From 1968-01-01 to 1990-12-31
Pines Island, New Caledonia	PINNC	New Caledonia	22.6129S	167.4465E	21	From 2011-10-21
Pine Spring	PSUT	Utah,U.S.A.	38.5337N	113.8547W	1999	From 2009-10-21
Pineville	PE-WV	West Virginia,U.S.A.	37.6147N	81.6653W	427	From 1962-07-06 to 1962-07-17
Pineville	PE-	West Virginia,U.S.A.	37.6147N	81.6653W	427	From 1962-07-06 to 1962-07-17
Pingelly	PING	Western Australia	32.5065S	116.9929E	308	
Pingrup, PIN	APIN	Western Australia	33.5165S	118.6143E	319	
Pingtan	PTTC	Taiwan region	25.5000N	119.7700E	0	From 2011-07-22
Pingtung City	TSPT	Taiwan region	22.6770N	120.4960E	25	From 1999-08-04
Pink Cliffs	PKCU	Utah,U.S.A.	37.4439N	112.3110W	2834	From 2009-10-24
Pinkham Creek	PNK	Montana,U.S.A.	48.7677N	115.0880W	1150	From 1971-02-01 to 1974-07-10
Pink Hill	W60A	North Carolina,U.S.A.	35.0528N	77.7133W	30	From 2013-03-09
Pinlang	TWG	Taiwan region	22.8207N	121.0720E	195	From 1972-09-25
Pinnacle	PINM	Alaska,U.S.A.	60.0959N	140.2525W	975	From 2003-06-01
Pinnacle	PCA	Alaska,U.S.A.	60.0967N	140.2570W	975	From 1974-09-05
Pinnacle Mountain	PNN	Alaska,U.S.A.	56.8050N	157.5830W	442	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pinnacles	BPIM	California,U.S.A.	36.4900N	121.1680W	329	From 1975-07-03
Pino	PINO	Ecuador	0.1580S	78.6077W	4600	
Pinole Ridge	CPIM	California,U.S.A.	37.9889N	122.2150W	226	
Pinon	PBVM	Mexico D.F.,Mexico	19.4412N	99.0843W		
Pinon Flat	XPFO	California,U.S.A.	33.6107N	116.4555W	1280	
PINON FLAT INFRASONIC ARRAY REFERENCE POINT	PFIAS	California,U.S.A.	33.6059N	116.4533W	1251	From 2004-02-20
Pinon Flats	TPFO	California,U.S.A.	33.6060N	116.4544W	1275	From 2010-04-09
Pinotepa	PIO	Oaxaca,Mexico	16.3947N	98.1270W	200	
Pinotepa	PNIG	Guerrero,Mexico	16.3923N	98.1271W	350	
Pinto Mountains	PNMC	California,U.S.A.	33.9773N	115.8010W	1147	
Pinyon Flats Observatory	PFO	California,U.S.A.	33.6117N	116.4594W	1259	From 1982-10-01
Pinyon Peak	BPPM	California,U.S.A.	36.1687N	121.3780W	1591	From 1973-12-19
Piobbico	PIBC	Italy	43.5878N	12.5135E	351	From 2019-04-18
Pioggiola	PGF	Corse,France	42.5483N	8.9994E	1130	From 1989-11-15
Pioraco	PIO1	Italy	43.1782N	12.9838E	465	From 2011-03-30
Pipehead	PHDM	New South Wales,Australia	33.8470S	150.9690E	90	
Piper City	N44A	Illinois,U.S.A.	40.7953N	88.1333W	202	From 2011-10-16
Piper Mountain	PPK	California,U.S.A.	37.4249N	117.9063W	1855	
Pipestone	PP-	Minnesota,U.S.A.	44.0775N	96.1508W	533	
Pipestone	PP-MN	Minnesota,U.S.A.	44.0775N	96.1508W	533	
Piqa, Costa Abajo de Colsn	PINA	Panama	9.2540N	80.0636W	34	From 2004-10-01
Piqua	PIOH	Ohio,U.S.A.	40.1580N	84.2115W	301	
Pirallahi	PRLH	Azerbaijan	40.4031N	50.3303E	-5	From 2021-04-21
Pira-Piraso	VPP	Luzon,Philippines	14.0340N	121.0000E	10	
Pireas	PIR3	Greece	37.9572N	23.6520E	17	From 2012-11-01
PIREAS,	PIR1	Greece	37.9371N	23.6425E	45	From 2013-01-15
Piriac/mer	PIAC	Pays de la Loire,France	47.3691N	2.5392W	3	From 2008-05-08
Pirkuli	PQL	Azerbaijan	40.7890N	48.5930E	1481	From 2003-08-01
Pirkuli	PRLS	Azerbaijan	40.7850N	48.5900E	1448	From 1996-01-01
Pirmasens	PIR	Rheinland-Pfalz,Germany	49.2000N	7.6074E	400	From 1968-01-01
Pirpir	IPIR	Iran	32.6841N	50.8917E	2600	From 2000-09-01
Pirque	MT12	Metropolitana	33.7330S	70.5490W	727	From 2017-01-27
Pirque	PCH	Santiago,Chile	33.6208S	70.5139W	1010	From 1982-01-01
Pirrs, San Marcos	PITB	Costa Rica	9.6613N	84.0234W	1468	
Pisa	PII	Italy	43.7219N	10.5249E	66	
Pisa	PIS	Italy	43.5833N	10.6833E		
Pisagua	PSGCX	Tarapaca,Chile	19.5972S	70.1230W	966	From 2012-01-01
Pisagua	PSGC	Tarapaca,Chile	19.5972S	70.1231W	966	
Pisayambo	PIS1	Ecuador	1.0588S	78.3859W	3921	From 2012-06-14
Pisayambo	PISA	Ecuador	1.0585S	78.3855W	3931	From 1995-02-10
Pisciano	N001	Italy	43.3398N	12.4816E	690	From 2011-03-15
Pisco	PT06	Peru	13.8292S	76.3310W	220	
Pishtovo	PSV	Tajikistan	38.6000N	69.9000E		
Pismo Preserve, Pismo Beach, CA USA	PABC	California	35.1587N	120.6400W	151	From 2021-05-01
Pistoia	PSL	Italy	44.0078N	10.9656E	810	
Pistoia Genio Civile	PSTA	Italy	43.9303N	10.9213E	103	From 2019-03-14
Pistol Creek	PCMT	Montana,U.S.A.	47.2152N	114.0278W	1873	
Piszkesteto	PSZ	Hungary	47.9184N	19.8944E	940	
Piszkesteto infrasound array 1	PSZI1	Hungary	47.9179N	19.8935E	984	From 2017-06-01
Piszkesteto infrasound array 2	PSZI2	Hungary	47.9165N	19.8958E	968	From 2017-06-01
Piszkesteto infrasound array 3	PSZI3	Hungary	47.9166N	19.8931E	957	From 2017-06-01
Piszkesteto infrasound array 4	PSZI4	Hungary	47.9183N	19.8908E	941	From 2017-06-01
Pit6, Burney, CA USA	PIT6	California	40.9307N	121.9481W	796	From 2020-09-01
Pital	ITAL	Costa Rica,Costa Rica	10.4510N	84.2720W	170	
Pitanga	PTGB	Parana,Brazil	24.7161S	52.0648W	907	
Pitcairn Island	PTCN	Pitcairn Island	25.0714S	130.0953W	223	
Pitcher Mountain	PNH	New Hampshire,U.S.A.	43.0942N	72.1358W	659	From 1976-01-01
Pitchstone Plateau	YPP	Wyoming,U.S.A.	44.2710N	110.8045W	2707	
Pithoragarh	PTH	Uttar Pradesh,India	29.5857N	80.2040E	1590	
Pitinga	PTGA	Brazil	0.7308S	59.9666W	137	From 1995-01-01
Pitkyaranta	PITK	Karelia	61.6710N	31.2660E	104	From 2014-06-03
Pitlochry	PITL	Scotland	56.8195N	3.5974W	390	From 2022-05-05
Piton Saint Espirit	SLPE	St Lucia	13.8431N	60.9952W	460	
Pitten	PIA	Austria	47.7175N	16.1931E	380	
Pitt Meadows	PIMB	British Columbia,Canada	49.2743N	122.6661W	43	
Pittsburgh	PIT	Pennsylvania,U.S.A.	40.4450N	79.9533W	273	From 1929-01-01 to 1962-01-31
Pittston Farm, Pittston Academy Grant	F62A	Maine,U.S.A.	45.8968N	69.9664W	331	From 2013-09-27
Pium - TO	RET10	Tocantins,Brazil	10.4308S	49.0985W	266	From 2012-05-02
Piusa caves, Voru Municipality	EE07	Estonia	57.8414N	27.4674E	75	From 2016-05-27
Piute Mountains	PIU	California,U.S.A.	34.7403N	115.0940W	1209	From 1974-04-01 to 1976-10-31
Piute Reservoir	PUU	Utah,U.S.A.	38.3633N	112.2800W	2598	
Piuthan	PYUN	Nepal	28.1000N	82.9900E	1867	From 1994-04-01
Piva	PIV	Solomon Islands,Papua New Guinea	6.2000S	155.0580E	60	
Piyaya bomas	LL66	Tanzania	2.6123S	35.4842E	1642	From 2013-01-21 to 2014-12-06
Pizarro, Choco	PIZC	Colombia	4.9650N	77.3600W	38	From 2014-01-10
Pizona Creek	PZC	California,U.S.A.	37.9652N	118.5683W	2103	
Pizzano Val di Parma - PR	RE07	Italy	44.5259N	10.1984E	745	From 2008-12-27 to 2009-02-12
Pizzo Deneri	EPDN	Sicily,Italy	37.7670N	15.0173E	2820	From 1989-08-01
Pizzo Felice	EPZF	Sicily,Italy	37.8240N	14.8570E	1140	From 1990-04-01
PIZZOLI	PZI1	Italia	42.4356N	13.3262E	908	From 2013-10-15
Pizzolo (AQ)	T1247	Italy	42.4416N	13.2983E	835	From 2016-08-28 to 2018-07-05
Pizzo Paviglione	EPPA	Sicily,Italy	37.7888N	14.9078E	1275	From 1994-10-01
Placanica	PLAC	Italy	38.4494N	16.4383E	602	From 2005-10-18
Placerville	I11A	Idaho,U.S.A.	43.9121N	115.9578W	1288	From 2006-11-16 to 2008-07-21
Plaine Madeleine, ILLGRABEN, VS	ILL17	Switzerland	46.2759N	7.5950E	1959	From 2018-05-15
Plains	T30A	Kansas,U.S.A.	37.0526N	100.5274W	778	From 2009-04-09 to 2011-03-11
Plaka, Milos Island	MHLA	Greece	36.7450N	24.4219E	200	From 2011-09-14
Plampang	PLAI	Sumba,Indonesia	8.8275S	117.7765E	123	From 2011-03-04
Plana	PLNA	Bulgaria	42.4762N	23.4255E	1245	
Planckstadt TMO26	A128A	Germany	49.3986N	8.5963E	104	From 2015-10-15
Plan de l'Aiguille, Chamonix - Mont Blanc, France	AMID2	France	45.9030N	6.8836E	2280	
Planet X, Gerlach	PLTX	Nevada,U.S.A.	40.7068N	119.4677W	1184	From 2016-05-13
PLANICIE BANDERITA	NQ13	Neuquen	38.5660S	68.4683W	453	From 2022-09-15
Plano	RFTA	Texas,U.S.A.	33.0122N	96.6902W	200	
Plant 15--Mercuryville	GFTM	California,U.S.A.	38.7930N	122.8340W	755	
Planta Incahuasi	SOTI	Bolivia	19.8251S	63.6576W	1170	From 2016-03-25
Planta Morelos	PLMO	Baja California	32.5238N	115.0370W	18	
Plasencia	EPLA	Spain	40.0642N	6.0803W	591	From 1985-08-01
Plastira Lake, Thessaly, Greece	GR20	Greece	39.2351N	21.7463E	836	From 2022-09-29
Plata	PLAT	Spain	36.1226N	5.7655W	414	
Platanillo	PLIG	Guerrero,Mexico	18.3923N	99.5023W	875	
Plateau Road	PRRZ	North Island,New Zealand	38.4989S	176.3929E	334	From 2007-11-12
Platees	VIL2	Greece	38.2118N	23.2680E	422	From 2008-12-29
Platillon	PLAV	Venezuela	9.8740N	67.5024W	1830	From 1984-01-01
Platte Center	PCNE	Nebraska,U.S.A.	41.5392N	97.4275W	482	
Plattsburgh	PNZ	New York,U.S.A.	44.8354N	73.5770W	215	
Plattsburgh	PNY	New York,U.S.A.	44.8342N	73.5550W	177	From 1971-08-01 to 2004-03-11
Plauen	PLN	Thuringen,Germany	50.4851N	12.1573E	432	
Plav	PVY	Montenegro	42.5945N	19.9587E	1303	From 1984-11-01
Playa Azul, MARB	CMARB	Costa Rica	10.0630N	85.7544W	48	From 1999-12-07 to 2000-02-24
Playa Garza	GRZA	Costa Rica	9.9155N	85.6356W	39	From 2000-01-01
Playa Grande, GRAN	CGRAN	Costa Rica	10.3404N	85.8458W	28	From 1999-12-06 to 2000-06-19
Playa Hermosa, COND	COND	Costa Rica	10.5798N	85.6736W	47	From 1999-12-06 to 2000-08-27
Playa Negra, Guanacaste	PNE2	Costa Rica	10.1951N	85.8289W	40	From 2000-01-01
Playas de Tijuana	PLATJ	Baja California	32.5056N	117.1230W	27	From 2013-10-24
Playas El Morro	MORR	Ecuador	2.6405S	80.3380W	50	From 2012-05-17
Playas - Guayaquil	APLA	Ecuador	2.6363S	80.3925W	8	From 2011-11-16
Playas Peak, Playas	220A	New Mexico,U.S.A.	31.9041N	108.5266W	1395	From 2008-02-15 to 2009-12-10
Playas-San Antonio	PLAY	Colombia	2.5425S	80.3840W	35	From 2008-12-15
Playitas	PYT	Nicaragua	12.5282N	86.0647W	460	From 1975-01-01
Playitas	PYTN	Nicaragua	12.5377N	86.0577W	460	
Plaza Santa Maria, B11	B11MX	Baja California	32.1617N	116.8833W	375	
Plaza Santa Maria, STM	STMMX	Baja California	32.1550N	116.8900W	145	
Pleasant Camp	PLBC	British Columbia,Canada	59.4567N	136.3650W	280	From 1990-09-20
Pleasant Grove	PGM	Mississippi,U.S.A.	34.4640N	90.1125W	105	From 1979-08-24
Pleasanton	CPNM	California,U.S.A.	37.6502N	121.8620W	200	From 1980-01-01
Pleasant Valley	PEV	California,U.S.A.	36.9770N	121.8320W	158	
Pleasant Valley	JPLM	California,U.S.A.	36.9770N	121.8320W	158	
Pleasant Valley State Prison	PVSP	California	36.1300N	120.2537W	176	From 2022-04-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pleasantville	M38A	Iowa,U.S.A.	41.4175N	93.1965W	258	From 2010-11-11 to 2012-08-29
Pleito Hills	PLEC	California,U.S.A.	34.9685N	119.0680W	1082	
Plekhanov	TI2	Georgia,Georgia	41.7333N	44.7500E	420	From 1978-01-01
Plesso scolastico Gianturco, Rome	NR03	Italia	41.8986N	12.4760E	15	From 2021-02-12 to 2021-04-06
Pleven	PLVB	Bulgaria	43.3870N	24.6207E	199	From 2012-11-20
Pleven - 22200 - Ctes-d'Armor - Bretagne - France	PLEF	Bretagne	48.4941N	2.3334W	93	From 2018-07-16
Plevna	PLVO	Ontario,Canada	45.0396N	77.0754W	279	From 2009-04-29
Plevrona-Mesologi	PLEV	Greece	38.4124N	21.4073E	167	From 2020-03-12
Plitvice	PLIT	Croatia	44.8784N	15.6231E	616	From 2015-09-29
Pljevlja	PLE	Montenegro	43.3300N	19.3889E	1230	From 1983-12-25
Plockton	KPL	Scotland,United Kingdom	57.3391N	5.6527W	36	From 1986-04-18
Ploemeur	PLOF	Bretagne	47.7460N	3.4290W	80	From 2018-04-06
Ploiesti	PLS3	Romania	44.9273N	26.0167E	152	From 2015-08-27
PLOIESTI	PLAR	Romania	44.9142N	26.0274E	146	From 2008-11-19
PLOIESTI	PPF	Romania	44.9314N	26.0201E	151	From 2008-11-18
Plomari	PLM1	Greece	38.9751N	26.3688E	10	From 2017-07-20
Plomelin	OLIV	Bretagne	47.9229N	4.1439W	37	From 2018-01-29
Plons/SG	PLONS	Switzerland	47.0492N	9.3807E	1020	From 2002-05-21
Plosoklaten, Jawa Timur	PLJI	Indonesia	7.8616S	112.1548E	213	From 2019-10-01
Plostina	PLOR	Romania	45.8512N	26.6498E	657	From 2004-09-01
Plostina	PLOR7	Romania	45.8603N	26.6405E	757	From 2010-04-14
Plostina Array site 1	PLOR1	Romania	45.8520N	26.6466E	706	From 2007-10-07
Plostina Array site 2	PLOR2	Romania	45.8502N	26.6437E	701	From 2007-10-07
Plostina Array site 3	PLOR3	Romania	45.8540N	26.6455E	722	From 2007-10-07
Plostina Array site 4	PLOR4	Romania	45.8512N	26.6498E	680	From 2007-10-07
Plostina Array site 5	PLOR5	Romania	45.8455N	26.6635E	650	From 2009-01-19
Plostina Array site 6	PLOR6	Romania	45.8420N	26.6416E	720	From 2009-01-19
Plovdiv	PLD	Bulgaria	42.1469N	24.7475E	198	From 1983-08-01
Plymouth	PLY	Trinidad and Tobago	11.2170N	60.7790W	9	
Plymouth	PLYM	England,United Kingdom	50.3667N	4.1500W		From 1922-01-01 to 1943-01-01
PNUE	PNUE	Costa Rica	9.8411N	85.3352W	21	From 1999-12-07 to 2000-06-17
Poas	POA	Costa Rica	10.1523N	84.2171W	2093	From 1984-03-17 to 1986-05-06
Poas 2	POA2	Costa Rica	10.1772N	84.2508W	2500	From 1986-05-06
Poasito	TERP	Costa Rica	10.1690N	84.1923W	2023	
Poasito	VPTE	Costa Rica,Costa Rica	10.1718N	84.1985W	2109	
Poatina	POAT	Tasmania,Australia	41.8173S	146.9033E	834	
Poblet	EPOB	Spain	41.3527N	1.0786E	890	
Pocatello Creek	PTI	Idaho,U.S.A.	42.8703N	112.3700W	1670	From 1984-11-01
Pocatky	POCA	Czech Republic	50.3193N	12.4346E	800	
Potky	POCW	Czech Republic	50.3200N	12.4270E	790	From 2004-04-01
Pochutla	PLO	Oaxaca,Mexico	15.7402N	96.4583W	280	
Pocone	POCN	Mato Grosso	16.6213S	56.7343W	116	From 2016-05-03
Pocosol	SOCE	Costa Rica,Costa Rica	10.3830N	84.6180W	450	
Pocri, Los Santos	PCRI3	Panama	7.6600N	80.1180W	70	From 2010-01-01
Podere del Sole	SF11	Italy	42.8686N	11.6789E	831	From 2016-03-23
Poderiste	PODE	Czech Republic	49.0680N	14.2407E	437	From 2005-01-01
Podgorica	PDG	Montenegro	42.4302N	19.2553E	97	From 1960-01-01
Podgorica	TTG	Montenegro	42.4302N	19.2553E	97	From 1960-01-01
Podgornoye	PDGK	Kazakhstan	43.3290N	79.4900E	1400	From 1987-10-25 to 1996-11-15
Podkova	PDK	Kamchatskaya Oblast',Russia	56.1400N	160.7800E	800	
Podkum	PDKS	Slovenia	46.0612N	14.9978E	679	
Pofadder	POF	Cape Province,South Africa	29.3817S	19.9500E	940	From 1986-01-01 to 2000-09-01
Poggio Cancelli	RM32	Italy	42.5702N	13.2932E	1362	From 2009-09-18 to 2010-02-15
Poggio Castellaccio	ATPC	Italy	43.4807N	12.4570E	609	From 2009-01-26
Poggio di Roio	T0108	Italy	42.3354N	13.3765E	1013	From 2009-04-09 to 2009-11-26
Poggiodomo (PG)	T1217	Italy	42.7119N	12.9313E	1003	From 2016-08-26 to 2017-05-23
POGGIO PICENZE	PGG	Italy	42.3229N	13.5394E	769	From 2009-04-22
Poggio Pratacci	SF01	Italy	42.8119N	11.5633E	830	From 2016-03-12
Poggio Sannita	PGSN	Italy	41.7775N	14.4139E	681	From 2021-12-15
Poggio Santa Maria	T0101	Italy	42.3308N	13.3026E	850	From 2009-04-06
Poggio Sant'Ercolano (Gualdo Tadino) PG	AT06	Italy	43.2315N	12.7115E	619	From 2010-04-20
Poggio Sodo	PGD	Italy	43.8753N	11.7214E	500	
Poggio Vitellino	MZ21	Italy	42.6516N	13.2675E	1046	From 2016-09-28 to 2016-11-10
Pogoanele	PGOR	Romania	44.9080N	26.9846E	98	From 2004-05-06
Pogradec	POGR	Albania	40.8996N	20.6790E	709	From 2014-12-17
Pogromni	WPOG	Alaska,U.S.A.	54.5970N	164.7450W	445	
Pogue Cattle Company, Sulphur Springs	Z37A	Texas,U.S.A.	33.1981N	95.6229W	146	From 2010-04-26 to 2012-01-21
Pohakuloa	POHA	Hawaii,U.S.A.	19.7575N	155.5325W	1967	
Pohang	KSPHA	Republic of Korea	36.1929N	129.3708E	39	From 2004-12-20
Pohang	KSPOH	Republic of Korea	36.0245N	129.3758E	1	
Pohang	PHN	Republic of Korea	36.0300N	129.3600E		
Pohnpei	PATS	Caroline Islands,Micronesia	6.8367N	158.3125E	10	
Pohoiki	POH	Hawaii,U.S.A.	19.4570N	154.8540W	16	
Poiana Mare	PMRF	Romania	45.3328N	25.9374E	1164	
Poigar, Sulawesi Utara	PBCI	Indonesia	0.3830N	124.0396E	33	From 2019-01-01
Poihipi	POIZ	North Island,New Zealand	38.6306S	176.0342E	598	From 2001-02-24
Point Arena AFB	GAFM	California,U.S.A.	38.8932N	123.5380W	710	
Point Barrow	PTB	Alaska,U.S.A.	71.1333N	156.8000W		
Point Dume	PT2	California,U.S.A.	34.0042N	118.8060W	40	
Pointe Anglais	ICQ	Quebec,Canada	49.5217N	67.2719W	58	From 1991-01-08
Pointe-a-Pierre	TPP	Trinidad and Tobago	10.3170N	61.4510W	46	
Pointe Carleton	PCAQ	Quebec	49.7311N	62.9416W	15	From 2015-09-17
Pointe Michel	DPMT	Dominica	15.2609N	61.3770W	50	
Pointe Michel	PSDPM	Caribbean Sea	15.2607N	61.3730W	69	From 2019-06-01
Pointe Molloy	PMK	Kerguelen Islands,France	49.3609S	70.0669E	22	
Pointe noire	GCPN	Guadeloupe,France	16.2344N	61.7883W	15	From 2007-02-01
Point Hope	I49A	Michigan,U.S.A.	43.9400N	82.8246W	217	From 2012-10-17
Point Howard	PHHS	North Island,New Zealand	41.2521S	174.9043E	41	From 2008-08-08
Point Lisas	PLS	Trinidad and Tobago	10.4130N	61.4900W		From 1977-10-01 to 1978-06-01
Point Lookout	PLVA	Virginia,U.S.A.	36.6673N	81.1582W	1353	From 1982-11-30 to 2008-02-13
Point Molate	CPMM	California,U.S.A.	37.9490N	122.4080W	116	
Point of Rocks Canyon, Magdalena	Y21A	New Mexico,U.S.A.	34.0087N	107.6740W	2168	From 2008-01-31 to 2009-12-05
Pt. Pinole Regional Park (East Bay Regional Park) California	PINL	California	38.0095N	122.3663W	18	From 2018-09-01
Point Pleasant	PPLM	Missouri,U.S.A.	36.4034N	89.5831W	82	
Point Reyes	NPRM	California,U.S.A.	37.9965N	123.0160W	165	
Point Reyes	PRC	California,U.S.A.	38.0800N	122.8670W	404	
Point Sur Hydrophone	PSUR	California,U.S.A.	36.3016N	122.3933W		
Pokaka	PKVZ	North Island,New Zealand	39.2893S	175.3464E	770	From 2005-03-15
Poker Plat Research Range	POKR	Alaska,U.S.A.	65.1171N	147.4335W	501	From 2012-10-02
Pola	POL	Croatia	44.8667N	13.8500E	32	
Polanco del Yi	PLEF1	Uruguay	33.4888S	56.1563W	102	From 2021-11-03
Poland Farm, Powhatan	S58A	Virginia,U.S.A.	37.6126N	78.0511W	96	From 2013-04-04
Polatlı, Ankara	POLA	Turkey	39.7005N	32.1677E	1068	From 2019-07-01
Polavaram	PVM	Andhra Pradesh,India	17.2493N	81.6239E	40	From 2008-08-27
Polcenigo	POLC	Italy	46.0266N	12.5005E	150	From 2008-07-17
Pole Canyon	PCY	Utah,U.S.A.	38.3330N	112.9010W	2033	
Pole Creek	PCID	Idaho,U.S.A.	43.9137N	114.7780W	2262	From 1992-12-01
Pole Mountain	PM-WY	Wyoming,U.S.A.	41.2075N	105.3608W	2469	From 1961-11-25 to 1963-07-10
Pole Mountain	PMW	Wyoming,U.S.A.	41.2100N	105.3350W	2440	From 1961-12-08 to 1963-08-31
Pole Mt.	PM-	Wyoming,U.S.A.	41.2075N	105.3608W	2469	From 1961-11-25 to 1963-07-10
Poleta Canyon	POCCA	California,U.S.A.	37.3622N	118.2801W	1799	
Police Camp, Mukachet	MUKA	Ethiopia,Ethiopia	12.0642N	36.3737E	877	From 2014-04-17 to 2017-12-01
Police station, Argostoli (Cefalonia, Greece)	KES20	Greece	38.1631N	20.4975E	62	From 2014-02-04 to 2014-05-20
Police Station, Guba	GUBA	Ethiopia,Ethiopia	11.2707N	35.2893E	904	From 2014-03-28 to 2017-12-01
Police Station, Gubleck	GUBL	Ethiopia,Ethiopia	11.1788N	36.0052E	919	From 2014-03-30 to 2017-12-01
Police Station, Sherkole	SHERE	Ethiopia,Ethiopia	10.5942N	34.7862E	821	From 2014-03-29 to 2017-12-01
Polichnitos, Lesvos	EAG1	Greece	39.0865N	26.2225E	211	
Polichno	POLL	Slovakia	48.3578N	19.1575E	550	From 2002-10-01
Poli, CM28	ACM28	Cameroon	8.4690N	13.2370E	429	
Polideportivo Conguaco	JUT0	Guatemala	14.0454N	90.0341W	1200	From 2021-10-28
Poligiros	POL1	Greece	40.3799N	23.4411E	560	From 2008-09-30
Polillo Island	POLP	Luzon,Philippines	14.7280N	121.9390E	32	
Polino	POI	Italy	42.5806N	12.8836E	1200	
Polino	PO9	Italy	42.5806N	12.8836E		
Poliokeawe Pali	PWH	Hawaii,U.S.A.	19.2837N	155.2250W	169	From 1973-05-23
Polipetro, N031	N031M	Greece	40.8867N	22.5255E	194	
Polis Chrysochou	POL5C	Cyprus	35.0301N	32.4307E	54	From 2020-09-01
Polis Chrysochou Centre	POL6C	Cyprus	35.0365N	32.4226E	40	From 2020-09-01
Pollina	PLLN	Sicily,Italy	37.9919N	14.1436E	762	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Polly Butte	POB	California,U.S.A.	33.6867N	116.9230W	1003	
Polo	PODR	Dominican Republic	18.1663N	71.2810W	1678	
Polomia	PL10A	Poland	49.9045N	21.8899E	310	From 2020-01-15
Polovinka	PLVN	Kamchatskaya Oblast'	53.1820N	158.3800E	40	From 2023-01-11
Poltava	NE58	Ukraine	49.6030N	34.5430E	166	
Poltava	PLTM	Ukraine	49.6050N	34.5450E	159	
Poltavka	PLTR	Primorskiy Kray	44.0270N	131.3250E	105	From 2018-02-01
Polydoro, N005	N005M	Greece	39.6386N	20.5694E	248	
Polydroso, N004	N004M	Greece	39.6125N	20.4861E	736	
Polygyros	PLG	Greece	40.3739N	23.4456E	580	
Polykladiko Chania	POLY	Crete	35.5226N	24.0602E	160	From 2017-01-10
Pomanovo	PR1R	Permskiy Kray,Russia	59.1846N	56.7446E	160	
Pomariorio	PMO	Tuamotu,French Polynesia	15.0017S	147.8942W	2	
Pomariorio Reef	PMOR	Tuamotu,French Polynesia	15.0022S	147.8942W	2	
Pomeroy	PH-WA	Washington,U.S.A.	46.3236N	117.3281W	945	
Pomio	PNB	New Britain,Papua New Guinea	5.5250S	151.5080E	4	From 1971-08-06 to 1972-05-31
Pomona	POM	California,U.S.A.	34.1000N	117.7170W	350	From 1949-01-01 to 1999-08-25
Pomona	PCF	California,U.S.A.	34.0532N	117.7910W		From 1976-01-01
Pomortsevo, Kuzbass, Russia	POMOR	Kemerovskaya Oblast',Russia	54.4069N	86.5262E	211	From 2014-05-19
Pompei	CPMP	Italy	40.7373N	14.4999E	5	From 2010-12-06
Pompeii	PMP	Italy	40.7500N	14.5000E		
Ponca City	PCO	Oklahoma,U.S.A.	36.6930N	96.9825W	324	From 1977-07-05
Ponce	PZ-	Puerto Rico	17.9700N	66.4178W	5	From 1963-09-10 to 1964-03-13
Ponce	PZ-PR	Puerto Rico	17.9700N	66.4178W	5	From 1963-09-10 to 1964-03-13
Ponce	PON	Puerto Rico	18.0033N	66.6139W	50	From 1974-08-16 to 1975-07-17
Ponce-Enriquez	PENR	Ecuador	3.0442S	79.6894W	318	From 2012-08-15
Ponciano Ridge	BPRM	California,U.S.A.	36.4070N	121.7300W	741	
Ponderosa El Sobrante	C065	California,U.S.A.	37.9629N	122.2759W	110	From 2012-08-24 to 2013-01-15
Pond Inlet	POIN	Nunavut	72.7012N	77.9620W	21	From 2018-09-07
Pond Inlet	PINU	Nunavut,Canada	72.6971N	77.9748W	36	
Pondoa	POND	Ecuador	1.4212S	78.4523W	2754	From 2011-02-25
Pondok Aren, Banten	PTJI	Indonesia	6.2555S	106.7488E	76	From 2019-10-01
Pondosa	LPDM	California,U.S.A.	41.1953N	121.6960W	1231	
Poneloya	PYN	Nicaragua	12.3822N	87.0223W	50	From 1975-01-01
Pong	PONG	India	31.9533N	75.9500E	0	
Pongaroa	PGZ	North Island,New Zealand	40.6171S	176.2739E	60	From 1988-05-18 to 1996-06-19
Pongola	POGA	South Africa	27.3460S	31.7070E	290	From 2005-03-04
Pongola	POG	Natal,South Africa	27.3698S	31.6117E	290	From 1994-01-01 to 2005-10-30
Ponta Delgada	PDA	Azores,Portugal	37.7467N	25.6633W	35	
Ponta do Capelo	PTCA	Azores,Portugal	38.5845N	28.7966W	243	From 2005-08-01
Ponta Puerca	PTP	Puerto Rico	18.2362N	65.6175W		
Pont de Suert	PONT	Spain	42.4043N	0.7573E	1220	
Ponte Alta do Tocantins	PATO	Tocantins,Brazil	10.6293S	47.3082W	348	From 2011-08-06
Pontebba	POBI	Italy	46.5133N	13.2767E	860	From 1983-01-30 to 1988-01-01
Ponte de Pedra	PP1B	Mato Grosso,Brazil	17.6003S	54.8797W	368	From 2003-06-19
Ponte nelle Valli ARPAV	PNAL	Italy	46.1729N	12.2987E	462	From 2015-06-30
Pontenova	EPON	Spain	43.3270N	7.1494W	440	
Ponte Pia'	DPIA	Italia	46.0538N	10.8396E	467	From 2019-10-14
Pontes e Lacerda, MT	PTLB	Mato Grosso,Brazil	15.4487S	59.1368W	72	From 2013-12-15
Pontiac	PW-	Illinois,U.S.A.	40.9161N	88.5853W	210	From 1966-06-29 to 1966-06-30
Pontiac	PW-IL	Illinois,U.S.A.	40.9161N	88.5853W	210	From 1966-06-29 to 1966-06-30
Pontianak	PTKI	Kalimantan,Indonesia	0.1454S	109.4049E	0	From 2005-01-01
Ponto Novo - BA	NBPN	Bahia,Brazil	10.8468S	40.1988W	386	From 2011-09-24
PONTREMOLI	PNM	Italy	44.3799N	9.8816E	339	From 2003-06-17
Ponuga, Veraguas	PONU3	Panama	7.8840N	80.9780W	250	From 2010-01-01
Pony Springs, Pioche	R12A	Nevada,U.S.A.	38.3281N	114.6076W	1845	From 2007-01-25 to 2008-09-10
Poona	POO	Maharashtra,India	18.5295N	73.8492E	560	From 1964-10-05
Poopo	POOP	Bolivia	18.3880S	67.0173W	3721	From 1994-06-09 to 1995-05-08
Poorman	J19K	Alaska,U.S.A.	63.9940N	155.6214W	389	From 2017-06-03
Poorman Mine	PMC	Colorado,U.S.A.	40.0300N	105.3370W	1990	From 1965-01-01 to 1969-12-31
Popayan, Colombia	POPC	Colombia	2.5402N	76.6758W	1869	From 2008-02-01
Popayan, Gabriela Mistral	CPOP5	Colombia	2.4710N	76.5760W	1794	From 1997-11-03
Popayan, Invias	CPOP2	Colombia	2.4590N	76.5960W	1769	From 1994-06-22
Popayan, Sena	CPOP3	Colombia	2.4840N	76.5630W	1873	From 1997-11-08
POPE, Guanacaste	POPE	Costa Rica	10.0635N	85.2634W	37	From 2000-01-01
Popeni	PPE	Romania	46.2578N	27.8503E	267	From 1981-01-01
Popesti-Leordeni	POPR	Romania	44.3554N	26.2034E	109	From 2003-11-02
Popeta	MT01	Metropolitana	33.8641S	71.2509W	310	From 2014-01-21
Popiglio	POPM	Italy	44.0450N	10.7570E	440	From 2004-01-01
Poplar Bluff	PBMO	Missouri,U.S.A.	36.7786N	90.4297W	143	
Poplarville	446A	Mississippi,U.S.A.	30.7912N	89.3645W	55	From 2011-03-15 to 2012-12-13
Popocatapetl	PPCU	Mexico	19.0000N	98.6240W	4135	
Popocatepetl	PBCV	Puebla	18.9870N	98.5572W	2650	
Popocatepetl	PPM	Puebla,Mexico	19.0667N	98.6267W	3980	
Popocatepetl	PBXN	Mexico:State	19.0088N	98.6567W	3980	
Popocatepetl	PPIG	Mexico:State	19.0670N	98.6281W	3980	From 1996-05-07
Popocatepetl	PPPT	Puebla	18.9730N	98.6230W	4210	
Popocatepetl	PBPN	Mexico State	19.0412N	98.6280W	4230	
Popondetta	POP	Papua New Guinea	8.7344S	148.2490E	100	From 1964-12-01 to 1966-02-28
Popov Hutor	PXTR	Russia	42.9657N	44.6188E	680	
Poppy Hill Road	APRM	California,U.S.A.	38.8770N	121.2170W	133	From 1976-07-15
Popt^{0}n, Petn	PEPO	Guatemala	16.3270N	89.4170W	517	From 2021-05-08
Porangahau	PRHZ	North Island,New Zealand	40.2664S	176.6352E	326	From 2008-01-14
Porangahau Fire Station	PGFS	North Island,New Zealand	40.3022S	176.6118E	15	From 2002-01-29
Porcher Bluff	PBF	South Carolina,U.S.A.	32.8585N	79.7642W	-58	
Porculla	PT18	Peru	5.8620S	79.4870W	2970	
Porcupine Dome	PRP	Alaska,U.S.A.	65.5174N	145.5246W	1498	From 1990-02-16
Porcupine Ridge, Modoc Natn. Forest, Alturas, CA USA	PORC	California	41.6019N	120.7309W	1548	From 2021-06-01
Porcupine River	G26K	Alaska,U.S.A.	66.9498N	143.7848W	180	From 2016-07-22
Pores Knob	PKNC	North Carolina,U.S.A.	36.0460N	81.1580W	785	From 1982-11-11 to 2008-02-13
Pori Road	PRWZ	North Island,New Zealand	40.5547S	175.9710E	303	From 2008-11-03
Porirua Free Ambulance Depot	PFAS	North Island,New Zealand	41.1385S	174.8461E	16	From 2001-10-15
Porirua Library	POLS	North Island,New Zealand	41.1314S	174.8391E	7	From 2001-10-16
Porirua West	PWES	North Island,New Zealand	41.1275S	174.8259E	59	From 2012-06-28
Porkkala	PKK	Finland	60.0052N	24.5169E	10	
Portachuelo	PCHP	Peru	6.0330S	79.6830W	150	
Portachuelo - Peru	PCH0	Peru	6.0043S	79.6817W	659	
Portage	PTU	Utah,U.S.A.	41.9293N	112.3250W	2192	From 1976-12-17
Portage	PTE	Alaska,U.S.A.	60.8645N	149.0240W	55	From 1972-08-29
Portage Bay	POBM	Missouri,U.S.A.	36.4085N	89.6622W	82	
Portageville	U44A	Missouri,U.S.A.	36.5047N	89.6863W	89	From 2011-07-26 to 2013-05-01
Portageville	PVMO	Missouri,U.S.A.	36.4137N	89.6997W	98	
Portageville	PTG	Missouri,U.S.A.	36.4277N	89.7037W		
Portageville	PGVM	Missouri,U.S.A.	36.4602N	89.7290W	82	
Port Alberni	PABB	British Columbia,Canada	49.2188N	124.8114W	3	From 2018-03-31
Port Alberni	B927	British Columbia,Canada	49.2188N	124.8113W	-182	
Portal de la Riviera, DVD	DVD2	Panama	8.4100N	82.4557W	24	
Portalegre	PRL	Portugal	39.3117N	7.3594W	1020	
Port Alice, BC	PACB	British Columbia,Canada	50.4355N	127.4925W	24	From 2010-06-24
Port Alsworth	O19K	Alaska,U.S.A.	60.1952N	154.3201W	96	From 2015-06-09
Port Angeles	B04A	Washington,U.S.A.	48.0575N	123.5040W	293	From 2005-10-21 to 2008-02-15
Port Antonio	PAJ	Jamaica	18.1700N	76.4560W	201	
Port-au-Prince	PAPH	Haiti	18.5225N	72.2993W	218	
Port-au-Prince, Haiti	R49B6	Haiti	18.5586N	72.2924W	45	
Port-aux-Francais	PAF	Kerguelen Islands,France	49.3506S	70.2133E	17	
Port Bizet	KPB	Kerguelen Islands,France	49.5200S	69.9010E		From 1974-02-01
Port Blair	PBA	Andaman Islands,India	11.6559N	92.7428E	17	
Port Clarence	PTCL	Alaska,U.S.A.	65.2583N	166.8700W	14	From 1980-07-01
Port Clements	PCB	British Columbia,Canada	53.7061N	132.5670W	634	
Port Clements	PCLB	British Columbia,Canada	53.7155N	132.5211W	492	From 2018-08-30
Port Colborne	PTCO	Ontario,Canada	42.8844N	79.3115W	180	
Port Douzieme	KPD	Kerguelen Islands,France	49.5170S	70.1570E		From 1974-02-01
Porterfield Farm, Petersburg	Y29A	Texas,U.S.A.	33.8602N	101.6712W	991	From 2009-01-30 to 2010-11-16
Porterville,Western Cape	PRTV	South Africa	33.0669S	19.0921E	702	From 2017-10-16
Port Fidalgo	FID	Alaska,U.S.A.	60.7500N	146.4790W	457	From 1974-10-07
Port Gamble	PGW	Washington,U.S.A.	47.8219N	122.5990W	122	
Port Hardy	PHC	British Columbia,Canada	50.7067N	127.4320W	33	From 1962-12-01
Port Heiden	PHA	Alaska,U.S.A.	56.9883N	158.6750W		
Portimao	PPOR	Portugal	37.1331N	8.5351W	3	From 2015-02-27

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Port Jervis	M60A	New York,U.S.A.	41.3265N	74.6250W	292	From 2013-08-31
Port Laguerre	NOUC	New Caledonia	22.1011S	166.3030E	112	From 1988-03-21
PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	I22FP	New Caledonia	22.1844S	166.8459E	272	From 2002-03-29
Portland	BEAV	Oregon,U.S.A.	45.5274N	122.8428W	58	From 2005-07-19
Portland	POR	Maine,U.S.A.	43.6833N	70.2833W		
Portland	PTD	Oregon,U.S.A.	45.5083N	122.7160W	208	From 1964-05-01
Portland Cottage	PCJ	Jamaica	17.7413N	77.1574W	98	From 1978-07-20
Port Lavaca	737A	Texas,U.S.A.	28.7639N	96.4402W	11	From 2010-05-25 to 2011-11-07
Port Louis	SEG	Guadeloupe,France	16.4028N	61.5052W	60	From 1981-01-01
Port Mandanici	MPNC	Sicily,Italy	38.1450N	15.3520E	385	From 1993-12-01
Port Menier	PMAQ	Quebec	49.8285N	64.3269W	25	From 2015-09-16
Port Miou	MIOU	France	43.2100N	5.5140E	10	From 2010-12-03
Port Moller	PMA	Alaska,U.S.A.	55.9786N	160.4970W	314	From 1972-09-16 to 1978-10-12
Port Moresby	PMG	Papua New Guinea	9.4062S	147.1590E	65	From 1957-12-01
Porto	PTO	Portugal	41.1386N	8.6022W	88	From 1912-01-01
Porto Alegre	UFRS	Rio Grande do Sul,Brazil	30.0540S	51.1244W	296	From 1994-04-01
Porto Botte (CI)	SU12	Sardinia	39.0887N	8.5221E	17	From 2014-11-13 to 2015-09-01
Porto Cannone	PTC	Italy	41.9297N	15.0425E	40	
Porto Corsini	SPIO	Italy	44.4949N	12.2671E	-95	From 2022-11-29
Porto d'Ischia	PDI	Italy	40.7333N	13.9500E	37	
Porto dos Gachos	PAR5	Mato Grosso	11.5819S	57.3889W	255	From 2015-05-12
Porto dos Gachos, MT	PDRB	Mato Grosso,Brazil	11.6123S	56.7296W	322	From 2012-11-12
Porto Estrela	PTET	Mato Grosso	15.3795S	57.1610W	185	From 2016-05-04
Port of Spain	PORS	Trinidad and Tobago	10.6442N	61.5108W	20	From 1901-01-01 to 1911-12-31
Port of Spain, Disaster Management Unit	PSDM	Trinidad and Tobago	10.6580N	61.5060W	23	From 2019-08-02
Port of Spain General Hospital	PSGH	Trinidad and Tobago	10.6610N	61.5080W	15	From 2017-10-23
Port of Spain National Library	PSNL	Trinidad and Tobago	10.6520N	61.5110W	4	From 2018-07-30
Port of Spain Queen's Royal College	PSQC	Trinidad and Tobago	10.6680N	61.5190W	14	From 2018-07-30
Porto Judeu	PPJ	Azores	38.6472N	27.1195W	24	From 2016-04-10
Portola Park	JPPM	California,U.S.A.	37.2645N	122.2130W	186	From 1966-12-22
Portola State Park	LT3	California,U.S.A.	37.2645N	122.2130W	186	From 1966-12-22
Portomaggiore (FE)	T1757	Italy	44.7167N	11.8559E	0	
Porto Moniz, Madeira	PMOZ	Madeira Islands,Portugal	32.8230N	17.1970W	1027	From 2008-09-01
Porto Murtinho	PTMB	Mato Grosso,Brazil	21.4631S	57.4756W	240	From 1994-10-01
Porto Murtinho	MURT	Brazil	21.6592S	57.6099W	123	From 2016-08-14
Porto Nacional, TO, Brazil	RET1	Tocantins,Brazil	10.6711S	48.5469W	251	From 2009-10-29
Porton East	POE	England,United Kingdom	51.1447N	1.6539W	125	From 1975-09-28 to 2010-10-01
Porton South	POS	England,United Kingdom	51.1381N	1.6333W	122	From 1977-11-01 to 1978-07-12
Portopalo di Capopassero	PPL1	Italy	36.6857N	15.1328E	83	From 2008-02-14
Porto Primavera	POPB	Brazil	22.4565S	52.8368W	280	
Porto Quipiri, Bengo	PORTQ	Angola	8.6388S	13.5546E	105	From 2018-07-31
Porto Santo	PMPS	Madeira Islands,Portugal	33.0570N	16.3330W	47	
Porto Santo, Madeira	PMPST	Madeira Islands,Portugal	33.0788N	16.3334W	240	From 2008-06-06
Porto Tolle (RO)	A305A	Italy	44.9592N	12.4323E	-4	From 2015-10-29
Port Pirie	PTPS	South Australia,Australia	33.1725S	137.9943E	9	From 2009-01-01
Port Renfrew	PTRF	British Columbia,Canada	48.5442N	124.4130W	164	From 2017-02-17
Port Renfrew	PFB	British Columbia,Canada	48.5717N	124.4400W	550	From 1983-06-15
Port Royal	PRJ	Jamaica	17.9352N	76.8438W	2	From 1969-08-09
Portsmouth	PSDMZ	Dominica	15.5770N	61.4563W	0	
Port Stanley	PSF	Falkland Islands	51.7000S	57.8667W		
Port Sulphur	646A	Louisiana,U.S.A.	29.5832N	89.8245W	0	From 2011-03-17 to 2013-01-27
Portuguese Canyon 2	PPO	California,U.S.A.	35.8667N	120.6160W	446	
Portuguese Creek	PORG	California	37.4820N	119.3750W	2028	From 2023-10-25
Portuguez	PORP	Puerto Rico	18.0629N	66.6363W	199	From 1989-08-01
Port Valais, Les Evouettes, Wallis VS	NVL3	Switzerland	46.3713N	6.8739E	379	From 2019-05-29
Port Vila	PVC	Vanuatu	17.7400S	168.3120E	80	From 1960-01-01
Port Wells	PWL	Alaska,U.S.A.	60.8593N	148.3350W	549	
Porvoo	PRF	Finland	60.3855N	25.6805E	10	
Porvoo	PRV	Finland	60.3571N	25.5584E	25	
Posada Way Fremont	C048	California,U.S.A.	37.5751N	121.9917W	15	From 2010-08-25
Posio	KU3	Finland	66.1469N	28.5984E	245	From 2004-12-15
Posof	EPOS	Turkey	41.5035N	42.7279E	1499	From 2009-09-30
Possen	POSS	Thuringen,Germany	51.3327N	10.8668E	425	From 2012-02-17
Possum Corner Farms, Belvidere	U61A	North Carolina,U.S.A.	36.3319N	76.4464W	4	From 2013-04-24
Post	PO-TX	Texas,U.S.A.	33.4756N	101.3622W	914	From 1961-12-09 to 1961-12-20
Post	PO-	Texas,U.S.A.	33.4756N	101.3622W	914	From 1961-12-09 to 1961-12-20
Post	POST	Texas,U.S.A.	33.0662N	101.5011W	795	From 2016-12-16
Posta Fibreno	POFI	Italy	41.7174N	13.7120E	878	From 2007-03-28
Poste Baleine	PBQ	Quebec,Canada	55.2767N	77.7433W	20	
Post Highland Seismo, Ainsworth	M40A	Iowa,U.S.A.	41.4060N	91.5121W	223	From 2011-08-25
Postiglione	PST3	Italy	40.5609N	15.2433E	762	
Post Office Road	POWZ	New Zealand	40.3917S	175.7680E	295	From 2008-04-23
Post Ranch	BPOM	California,U.S.A.	36.2287N	121.7670W	354	
Posyet	PSTR	Primorskiy Kray	42.6510N	130.8040E	41	From 2016-12-01
Potabilizadora Mexicali	POT2	Baja California	32.6278N	115.3850W	17	From 2015-09-11
Potabilizadora X. Mexicali	POTX	Baja California	32.6017N	115.4860W	18	
Potamos Kythira	KYT1	Greece	36.2994N	22.9627E	363	From 2001-06-30
Potato Knob	PKKY	Kentucky,U.S.A.	38.3830N	83.0340W	336	From 1985-01-01
Poteau	W38A	Oklahoma,U.S.A.	35.0704N	94.5184W	169	From 2010-04-22 to 2012-02-29
Potenciana	PTCR	Costa Rica	9.7895N	84.4295W	1510	From 1984-03-17
Potenciana 2	POCR	Costa Rica	9.7843N	84.4042W	1360	
Potenza	PZUN	Italy	40.6459N	15.8071E	0	From 2005-07-25
POTENZA PROVINCIA	POT7	Italy	40.6501N	15.8010E	817	From 2014-02-04
Poth	EF61	Texas	29.1253N	97.9834W	97	From 2018-12-20
Potomac	O45A	Illinois,U.S.A.	40.2489N	87.7244W	208	From 2011-10-17
Potosi Cosiguina	POTN	Nicaragua	12.9999N	87.5063W	45	From 2017-10-23
Potrerillos Abajo, POT2	CPOT2	Costa Rica	8.6608N	82.4782W	734	
Potrerillos Arriba, Chiriqui	PTAR3	Panama	8.6930N	82.4960W	982	From 2010-01-01
Potrerito	POTV	Venezuela	9.9980N	67.4508W	1002	From 2004-07-01
Potrero Grande	EDP2	Costa Rica,Costa Rica	9.0158N	83.1765W	201	
Potrero Grande	POGM	Guerrero,Mexico	17.3752N	100.6213W	650	
Potrero Grande, Buenos Aires, Puntarenas	POTG	Costa Rica	9.0525N	83.1189W	674	From 2014-04-09
Potrero Grande, P.H Las Palmas	LPPG	Costa Rica	9.0160N	83.1742W	195	From 2020-12-06
Potrero Hills, Fairfield	POTR	California,U.S.A.	38.2026N	121.9353W	20	From 1998-12-10 to 2005-02-05
Potsdam	POT	Brandenburg,Germany	52.3803N	13.0678E	80	
Potsdam Coll	POTS	New York,U.S.A.	44.6634N	74.9732W	112	From 2006-05-22
Potsdam (NY)	PTN	New York,U.S.A.	44.5700N	74.9819W	197	From 1971-10-01
Potts Junction	PJG	Mariana Islands	13.5893N	144.8684E	199	From 1957-05-01
Potts Mountain	VWV	Virginia,U.S.A.	37.4660N	80.3917W	963	
Pottstown	PJ-PA	Pennsylvania,U.S.A.	40.2828N	75.5836W	91	
Poudrerie royale de Saint-Chamas	PROF	Provence-Cote d'Azur	43.5587N	5.0271E	2	From 2015-10-14
Pouilloux	POU	Bourgogne,France	46.6146N	4.3652E		
Poverty Ridge	CB7	California,U.S.A.	37.4292N	121.7425W	975	From 1968-07-12 to 1970-05-07
Poverty Ridge 1, Station 3	RDG13	California,U.S.A.	37.4289N	121.7434W	970	
Povoao	PPOV	Azores	37.7490N	25.2453W	49	From 2016-04-13
Powder case	POWD	Turkey	40.8754N	28.9722E	6	From 2006-09-29
Powderhorn, S03	SCR03	Colorado	38.2730N	107.1001W	2484	
Powell	H19A	Wyoming,U.S.A.	44.6704N	108.9857W	1479	From 2008-08-13 to 2010-09-14
Powhatan	POW	Arkansas,U.S.A.	36.1520N	91.1850W	156	From 1974-06-19 to 1992-02-29
Poyo	POYO	Patagonia	42.3640S	72.5432W	1281	From 2010-01-01
Poza Rica	PZX	Veracruz,Mexico	20.5389N	97.4592W	150	
Pozheg	PZG	Komi	61.9803N	54.3357E	135	From 2014-01-14
Pozheg	PZHG	Komi	61.9773N	54.3344E	137	
Pozo 3, Borinquen	POB3	Costa Rica	10.8065N	85.4245W	548	From 2011-07-12
Pozo Almonte	POZO	Chile	20.2525S	69.7594W	1024	From 2009-12-04
Pozo Azul	PAPY	Paraguay	24.0879S	58.2292W	90	From 2017-03-08
Pozo tres de Borinquen	PBO3	Costa Rica	10.8063N	85.4238W	583	From 2000-01-01
Pozza Ferrara, Ferrara di Monte Baldo (VR)	PZF	Italy	45.6558N	10.8322E	1095	From 2006-11-16
Pozzilli	PLI2	Italy	41.5314N	14.0586E	575	
Pozzillo	EPOZ	Italy	37.5136N	15.0822E	117	From 2006-07-12
Pozzo Pitarrone	EPIT	Sicily	37.8113N	15.0567E	1527	From 2006-10-26
Pozzo Varoni	MZ50	Italy	42.5980N	13.2189E	1161	From 2016-10-15 to 2016-11-24
Pozzuoli	IPOZ	Italy	40.8203N	14.1205E	3	From 1982-01-01
Pozzuoli	CMRS	Italy	40.8376N	14.0928E	110	From 2008-03-03
Pozzuoli Rione Terra	POZT	Italy	40.8214N	14.1216E	65	From 2019-10-17
Pozzuoli Solfatara	POZS	Italy	40.8289N	14.1300E	75	From 2019-10-17
Pozzuolo	FPOZ	Hungary	46.0100N	13.1800E	59	From 2002-07-15
Pracimantoro, Jawa Tengah	PRJI	Indonesia	8.0722S	110.7918E	337	From 2019-10-01
Prada, Italy	MPRD	Italy	45.9534N	11.8986E	705	From 2010-06-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pra da Stua	DPRA	Italy	45.7724N	10.9039E	1044	From 2020-05-28
Prado	PRAC	Colombia	3.7138N	74.8862W	457	From 1994-01-01
Pradon	PRAF	Provence-Cote d'Azur,France	43.8042N	5.1692E	700	From 1982-11-01 to 2010-05-20
Prague	PRA	Czech Republic	50.0703N	14.4331E	225	
Prague	OK011	Oklahoma,U.S.A.	35.4852N	96.6858W	313	From 2011-11-05
Praia da Vitria	PPV	Azores	38.7310N	27.0661W	353	From 2016-04-09
Prainha do Norte	PPNO	Azores,Portugal	38.4716N	28.2638W	725	From 2002-08-01
Prairie City	H08A	Oregon,U.S.A.	44.5191N	118.6704W	1373	From 2006-07-28 to 2008-07-10
Prairie Point, Evansville	K42A	Wisconsin,U.S.A.	42.7792N	89.3457W	302	From 2011-10-14 to 2013-06-14
Prairie Street, Timpson	ETX02	Texas,U.S.A.	31.9091N	94.4058W	103	
Pramanda	PRMD	Greece	39.5299N	21.0965E	831	From 2019-07-12
Prapat	PSI	Sumatera,Indonesia	2.8010N	98.9240E	987	
Prasinada,E.Macedonia,Greece	PRAS	Greece	41.3525N	24.5502E	671	From 2021-05-19
Pratas Island	VDOS	Taiwan region	20.7010N	116.7306E	38	From 2009-05-06
Prato	TPRT	Italy	43.5400N	11.0500E	99	From 2009-11-19
Prato	PTF	Italy	43.9594N	11.0697E	550	
Pratoni del Vivaro - Roma	VIVA	Italy	41.7502N	12.7702E	550	From 2014-07-07
Pratopiano (Palanzano) - PR	RE06	Italy	44.4511N	10.2304E	680	From 2008-12-28 to 2009-02-12
Prato-Toscana	PRT	Italy	43.8800N	11.0942E	61	
Prayon, Val Ferret, La Fouly, VS	MFERR	Switzerland	45.9510N	7.1123E	1600	From 2019-05-28
Prebbleton, DAR5	DARN5	South Island	43.5816S	172.4594E	38	
Preci, Frazione Castelvecchio (PG)	T1216	Italy	42.8907N	13.0190E	619	From 2016-08-26 to 2017-09-21
Prehn Over North, Clear Lake	H33A	South Dakota,U.S.A.	44.6812N	96.7434W	584	From 2010-07-30 to 2012-06-11
Premariacco	FPRM	Italy	46.0600N	13.4000E	105	From 2007-09-15
Premilcuore	PRME	Italy	43.9792N	11.7814E	450	
Preonzo, Alpe di Roscera stable 3, TI	PREO4	Switzerland	46.2503N	8.9829E	1510	From 2015-06-18
Preonzo, Alpe di Roscioro, Stable 1, TI	PREO1	Switzerland	46.2504N	8.9828E	1463	From 2012-06-14 to 2013-09-08
Preonzo, Alpe di Roscioro, Stable 2, TI	PREO3	Switzerland	46.2503N	8.9829E	1509	From 2014-12-10 to 2015-06-18
Preonzo, Alpe di Roscioro, Unstable, TI	PREO2	Switzerland	46.2505N	8.9831E	1513	From 2012-06-14
Presa 15 de Septiembre	PQSS	El Salvador	13.6242N	88.5603W	70	
Presa 5 de noviembre	P5NO	El Salvador	13.9859N	88.7586W	210	
Presa Benito Juarez	PBJ	Oaxaca,Mexico	16.4367N	95.4067W	213	
Presa Caracol 1	CC1	Guerrero,Mexico	17.9400N	100.0100W	1000	
Presa Caracol 2	CC2	Guerrero,Mexico	17.9930N	100.1010W	1000	
Presa Caracol 3	CC3	Guerrero,Mexico	17.9885N	99.9847W		
Presa Caracol 4	CC4	Guerrero,Mexico	18.0200N	99.9000W	1000	
Presa Caracol 5	CC5	Guerrero,Mexico	17.5400N	99.2780W		
Presa de Quentar	EQTA	Spain	37.2072N	3.4426W	1020	
Presa de Sabaneta	SDDR	Caribbean Sea,U.S.A.	18.9821N	71.2878W	589	From 2006-08-30
Presa El Carrizo, Tecate	CNATK	Baja California	32.4801N	116.9090W	302	
Presa El Carrizo, Tecate	TKCNA	Baja California	32.4801N	116.6980W	302	
Presa Emilio Lopez Z.	CNAEN	Baja California	31.8915N	116.6030W	52	
Presa Infiernillo	PIM	Guerrero,Mexico	18.2750N	101.8820W	81	
Presa Madin	MDVM	Mexico D.F.,Mexico	19.5365N	99.2490W	2405	
Presa Malpaso	PMM	Chiapas,Mexico	17.1700N	93.6028W	215	
Presa Marin	PNVM	Mexico D.F.,Mexico	19.3470N	98.9180W		
Presa Penitas 1	PN1	Chiapas,Mexico	17.4690N	93.4880W		
Presa Penitas 2	PN2	Chiapas,Mexico	17.4380N	93.4505W		
Presa Penitas 3	PN3	Chiapas,Mexico	17.3540N	93.6080W		
Presa Penitas 4	PN4	Chiapas,Mexico	17.1790N	93.3950W		
Presa Sangregado, berma	SGBE	Costa Rica	10.4757N	84.7581W	484	From 2020-11-01
Presa Toro II, estribo izq	TOES	Costa Rica	10.2643N	84.2600W	1082	From 2020-11-01
Presbytere Uffheim, 68341 Uffheim, Haut-Rhin	STUF	Alsace	47.6496N	7.4438E	275	From 2002-10-03
Preselentsi	PSN	Bulgaria	43.6375N	28.1359E	185	From 1983-08-01
Presidente	PPD	Sao Paulo,Brazil	22.0314S	51.3119W	406	From 1988-02-01
Presidio of San Francisco	JPRM	California,U.S.A.	37.7950N	122.4740W	107	From 1968-09-26
Presque Isle	PQI	Maine,U.S.A.	46.6710N	68.0168W	180	
presqu'le de Saint-Tropez - 83065, Gassin	STROF	Provence-Cote d'Azur	43.2197N	6.6011E	318	From 2015-02-11
Preston	PQ-ID	Idaho,U.S.A.	42.2281N	111.7158W	1554	
Preston	L41A	Iowa,U.S.A.	42.0751N	90.4977W	238	From 2011-06-09 to 2013-05-13
Preston Nutter Ranch, Sunnyside	P18A	Utah,U.S.A.	39.6279N	110.2457W	2743	From 2007-07-26 to 2009-06-03
Pretoria	PRE	Transvaal,South Africa	25.7533S	28.1900E	1333	From 1949-01-01 to 1999-08-25
Preunschen	A114A	Germany	49.5901N	9.1824E	466	From 2015-11-05
Preveza	PRE2	Greece	38.9578N	20.7547E	9	From 2011-06-01
Preza	PRZA	Albania	41.4300N	19.6700E	230	From 2002-09-05
Pribbeno Ranch, Imperial	N28A	Nebraska,U.S.A.	40.6873N	101.5406W	1009	From 2009-05-20 to 2011-04-06
Pribram	PBCC	Czech Republic	49.6857N	13.9956E	386	From 2011-07-22
Price	KPE	Alaska,U.S.A.	64.4608N	146.8960W	204	From 1994-10-01
Price	PCU	Utah,U.S.A.	39.6067N	110.8050W	1714	From 1962-05-01
Price's Panorama, Muncy Valley	M58A	Pennsylvania,U.S.A.	41.3721N	76.4603W	529	From 2013-07-02
Priddis	PRDA	Alberta,Canada	50.8674N	114.2918W	1252	From 2009-11-13
Priegendorf	A351A	Germany	50.0030N	10.7922E	284	From 2015-10-23
Prieska	PKA	Cape Province,South Africa	29.6700S	22.7567E	960	From 1993-03-01
Priest	PRI	California,U.S.A.	36.1417N	120.6650W	1187	From 1961-01-01
Prijedor	PRIJ	Bosnia and Herzegovina	44.9764N	16.7151E	157	
Primda	PRIC	Czech Republic	49.6693N	12.6782E	740	From 2019-08-29
Prince Edward County	PECO	Ontario,Canada	43.9340N	76.9939W	92	From 2009-04-30
Prince George	PG-BC	British Columbia,Canada	53.9972N	122.5231W	914	
Prince George	PG-	British Columbia,Canada	53.9972N	122.5231W	914	
Prince George	PG2BC	British Columbia,Canada	53.9911N	122.5122W	747	
Prince Lake	PRLK	Oregon,U.S.A.	44.2097N	121.9626W	1283	From 2007-08-17
Prince Rupert	RUBB	British Columbia,Canada	54.3262N	130.2523W	12	
Prince Rupert	RUB	British Columbia,Canada	54.3259N	130.2867W	53	From 1985-09-01 to 2006-03-28
Princess Elisabeth base, Queen Maud Land, Antarctica	EAIB	Antarctica	71.9470S	23.3469E	1359	From 2010-02-23
Princeton	PWV	West Virginia,U.S.A.	37.3360N	81.0478W	829	From 1978-03-01 to 2006-02-27
Princeton	PD-BC	British Columbia,Canada	49.3922N	120.4764W	914	From 1962-07-06 to 1962-07-17
Princeton	PANJ	New Jersey,U.S.A.	40.3769N	74.7029W	100	From 2008-02-15
Princeton	T46A	Kentucky,U.S.A.	37.0417N	87.8941W	169	From 2011-11-18
Princeton	PRIN	New Jersey,U.S.A.	40.3669N	74.7179W	110	From 1977-03-01
Princeton	G65A	Maine,U.S.A.	45.2002N	67.5632W	78	From 2013-09-24
Princeton	PD-	British Columbia,Canada	49.3922N	120.4764W	914	From 1962-07-06 to 1962-07-17
Prines Rethymno	PRNS	Crete,Greece	35.3649N	24.5015E	51	From 2006-12-01
Prineville	I06A	Oregon,U.S.A.	43.9437N	120.2107W	1296	From 2006-02-02 to 2008-04-09
Priterechnaya	PRTR	Severo-Osetinskaya,Russia	43.7515N	44.2820E	136	From 2005-08-08
Private Property, Shandon	TSCN	California,U.S.A.	35.5440N	120.3481W	476	From 2012-03-09
Private Property, Shandon	TRAM	California,U.S.A.	35.6769N	120.2709W	642	From 2012-12-13
Prizren	PRZK	Kosovo	42.2108N	20.7581E	683	From 2008-07-06
PRO	CPRO	Costa Rica	9.5562N	83.8608W	1828	From 2002-10-01 to 2003-03-15
Probstei Buchholz	PROB	Rheinland-Pfalz	50.4482N	7.2568E	305	From 2021-11-29
Procida, Terra Murata (NA)	PTMR	Italy	40.7614N	14.0349E	100	From 2018-06-19
Prodromi	POL7C	Cyprus	35.0263N	32.4089E	59	From 2020-09-01
Prodromos	PDO	Greece	38.5986N	21.1833E	227	From 2009-10-02
Prodromos	PROD	Greece	38.2589N	22.9006E	350	From 2010-07-02
Profitis Ilias	S126	Greece	38.4600N	23.4970E	964	
Prokopi	S033	Greece	38.7230N	23.4910E	250	
Promano (Citt di Castello) - PG	AT01	Italy	43.3940N	12.3076E	484	From 2010-04-01
Promontory Point	PPU	Utah,U.S.A.	41.3106N	112.4300W	1874	
Prospect	TPR	Trinidad and Tobago	11.1860N	60.7770W	245	From 1978-02-20
Prospect	PRST	Texas,U.S.A.	31.9520N	94.6330W	220	
Prospectdale	ELN	Virginia,U.S.A.	37.2283N	80.7517W	634	
Prosser	PRW	Washington,U.S.A.	46.2127N	119.6860W	552	From 1975-06-01
Provadia	PRD	Bulgaria	43.1602N	27.4099E	120	From 1995-01-01
Provideniya	PRVR	The Chukotsky Autonomous Okrug,Russia	64.4470N	173.1750W	86	From 2006-06-14 to 2007-05-15
Provideniya	PROV	Magadanskaya Oblast',Russia	64.4270N	173.2250W	25	
Provideniya	PVDR	The Chukotsky Autonomous Okrug	64.4280N	173.2160W	16	From 2010-12-20
PRS1	CPRS1	Costa Rica	9.8795N	84.3640W	1120	
PRT2	PRT2	Panama	8.2733N	82.8610W	10	
Pruhonice	PRU	Czech Republic	49.9883N	14.5417E	302	
Pruna	EPRU	Spain	36.9660N	5.2313W	560	From 1986-11-01
Prunihres	OG17	Rhone-Alpes,France	44.9067N	5.7662E	1140	From 1988-09-12
Prvonek	PRVS	Serbia	42.5077N	22.0758E	625	From 2005-07-22
Przheval'sk	PRZ	Kyrgyzstan	42.4833N	78.4000E	1835	From 1950-07-01
Psachna, Euboea Island, Greece	PSAH	Greece	38.5694N	23.6473E	36	From 2023-01-11
Psara	PSRA	Greece	38.5419N	25.5638E	12	From 2010-07-01
Psari	PSAR	Greece	38.0890N	23.5620E	101	
Psaromita, Dorida	PSARO	Greece,Greece	38.3319N	22.1752E	116	From 2000-04-16
Psathopyrgos	PSA1	Greece	38.3253N	21.8837E	3	From 2009-03-16
Pskem	PSK	Uzbekistan	41.9267N	70.3730E	1317	
Pskov	NE52	Pskovskaya Oblast',Russia	57.8190N	28.3900E	40	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
PSNS Bremerton SMO	PSNS	Washington,U.S.A.	47.5587N	122.6443W	6	From 2004-04-05
P.ta Helbronner (AO), Italy	BLANC	Italy	45.8444N	6.9340E	3379	From 2019-06-14
Ptaszkowa	PL13A	Poland	49.5968N	20.9234E	446	From 2019-11-27
Pt. Cumana	TPTC	Trinidad and Tobago	10.6800N	61.5700W	49	
Pteri, PE03	PE03E	Greece	37.3784N	21.7722E	635	
Pto Chacabuco	CHFR	Chile	45.4606S	72.8700W	0	
Pto de San Jose	PSG	Guatemala	13.9478N	90.7915W	5	From 1981-11-01 to 1988-12-31
PtolemaidA	PTO1	Greece	40.5101N	21.6819E	609	From 2010-11-01
Pto San Jose 2	PSG2	Guatemala	13.9522N	90.8155W	5	From 1988-01-01
PU01	PU01	Ecuador	2.8017S	80.2313W	29	
PU02	PU02	Ecuador	2.8243S	80.0552W	10	
PU03	PU03	Ecuador	2.9061S	79.8061W	15	
PU04	PU04	Ecuador	2.6853S	79.5896W	72	
PU05	PU05	Ecuador	2.5310S	79.4987W	30	
PU06	PU06	Ecuador	2.4215S	79.6267W	58	
PU07	PU07	Ecuador	2.3458S	79.4412W	46	
Puale Bay	PUB	Alaska,U.S.A.	57.7733N	155.5170W	280	From 1974-01-01
Pucallpa	PUC	Peru	8.3970S	74.6680W	130	
Pucara	PUCR	Ecuador	3.2100S	79.5000W	3000	From 1995-07-21
Pucara 2	PCRA	Ecuador	3.2072S	79.5025W	3523	From 2018-04-04
Pudahuel	PUEX	Santiago,Chile	33.4413S	70.7579W	505	
Puddingstone Reservoir	PSRC	California,U.S.A.	34.0918N	117.8071W	305	
PUDO	PUDO	Costa Rica	9.2235N	83.8414W	63	From 1999-09-24 to 1999-11-25
Puebla	CIPM	Puebla,Mexico	17.9620N	97.8540W		
Puebla	PUE	Puebla,Mexico	19.0417N	98.1967W	2162	
Puebla	CXP	Puebla,Mexico	18.2754N	97.1418W		
Puebla	PHPU	Puebla,Mexico	19.0442N	98.1685W	2170	From 2009-02-16
Pueblo Nuevo, Bur	PBNVO	Panama	8.8910N	82.1920W	59	
Pueblo Nuevo de la Aldea, Limon	PNUA	Costa Rica	10.5955N	83.8399W	49	From 2012-10-05
Pueblo Viejo	PVP	Peru	15.7914S	74.2211W	233	
Pueblo Viejo, La Vega	LOPU	Dominican Republic	19.2903N	70.5452W	182	From 2021-07-24
Puelo Alto	PUEL	Chile	41.6637S	72.2960W	25	
Puengasi	QUEM	Ecuador	0.2371S	78.4973W	3055	From 2007-12-05
Puente Sto Nino	ARIG	Guerrero,Mexico	18.2805N	100.3473W	387	From 2009-02-01
Puerta Blanca, LID	LIDC	Baja California	31.8940N	116.2698W	703	
Puerto Angel	PANG	Oaxaca,Mexico	15.6668N	96.4735W	0	From 2009-02-16
Puerto Armuelles	ARM	Panama	8.2832N	82.8665W	10	
Puerto Armuelles 2	ARM2	Panama	8.1000N	82.8667W	10	
Puerto Asis, Putumayo	PUAC	Colombia	0.5500N	76.5700W	287	From 2014-05-03
Puerto Ayacucho	PAYV	Venezuela	5.4200N	67.6560W	83	From 2003-07-16
Puerto Ayora	PAYG	Galapagos,Ecuador	0.6740S	90.2858W	195	
Puerto Aysen	AYCH	Chile	45.4018S	72.6940W	22	From 2009-07-09
Puerto Aysn	AYSN	Patagonia	45.3783S	72.6882W	62	From 2010-01-01
Puerto Azul	PAZ	Luzon,Philippines	14.2260N	120.6760E	124	
PUERTO BERRIO, Antioquia	PTBC	Colombia	6.5395N	74.4563W	260	From 2011-12-05
PUERTO CAYO	PTCY	Ecuador	1.3492S	80.7320W	259	From 2016-04-20
PUERTO CAYO 2	CAYO	Ecuador	1.3455S	80.7412W	11	From 2016-05-17
Puerto Chacabuco	CHAC	Patagonia	45.4280S	72.7611W	66	From 2010-01-01
Puerto de Acajutla	ACAJ	El Salvador	13.5749N	89.8336W	12	
Puerto del Bujeo, Cadiz	E002	Spain	36.0610N	5.5137W	388	From 2007-07-10 to 2009-06-15
Puerto del Eden	PDEM	Guerrero,Mexico	17.4632N	100.7410W	1620	
Puerto del Gallo	PGOM	Guerrero,Mexico	17.4720N	100.1803W	2560	
Puerto Escondido	PEIG	Oaxaca	15.9977N	97.1475W	327	From 2012-09-22
Puerto Escondido	PEX	Oaxaca,Mexico	15.8620N	97.0612W		
Puerto Escondido	PEO	Oaxaca,Mexico	15.8512N	97.0555W	3	
Puerto Gaitan 1, Meta	PGA1	Colombia	3.7478N	71.5714W	186	From 2014-04-03
Puerto Gaitan 3, Meta	PGA3	Colombia	3.8984N	71.5657W	191	From 2015-02-13
Puerto Gaitan 4, Meta	PGA4	Colombia	3.8636N	71.4213W	189	From 2015-11-09
Puerto Gaitan 5, Meta	PGA5	Colombia	3.9462N	71.3149W	204	From 2015-11-11
Puerto Gaitan, Meta	PTGC	Colombia	4.1990N	72.1340W	170	From 2013-09-25
Puerto Galera	PGP	Mindoro,Philippines	13.5019N	120.9530E	375	From 1977-05-22
Puerto Jesus Guanacaste	PUJE	Costa Rica	10.1139N	85.2725W	42	From 2000-01-01
Puerto Jimenez	PUJ	Costa Rica	8.5333N	83.3478W	50	
Puerto Jimenez	JIME	Costa Rica,Costa Rica	8.5380N	83.3250W	29	
Puerto Jimnez	PTJ1	Costa Rica	8.5360N	83.3020W	10	
Puerto Jimnez	PUJI	Costa Rica	8.5342N	83.3068W	24	From 2021-08-29
Puerto La Cruz	PCRV	Venezuela	10.1762N	64.6361W	450	
Puerto La Cruz	PLCV	Venezuela	10.1633N	64.5896W	251	
Puerto Leguizamo, Putumayo	PTLC	Colombia	0.1710N	74.7970W	240	From 2012-12-03
Puerto Libertad	PLX	Sonora	29.9070N	112.6950W	3	
Puerto Libertad	PLIB	Sonora	29.9150N	112.6940W	40	From 2016-09-12
Puerto Libertad	PLB	Sonora	29.9500N	112.6873W	52	
Puerto Libertad, LIB	LIBMX	Sonora	29.9100N	112.6700W	15	
Puertollano	NE13	Spain	38.6850N	4.0910W	700	From 1983-05-01 to 2001-07-28
Puerto Lpez	PPLP	Ecuador	1.5451S	80.7750W	419	From 2012-10-25
Puerto Moin	MOIN	Costa Rica	9.9870N	83.0938W	29	
Puerto Momotombo, N4	TUN4	Nicaragua	12.4008N	86.6208W	64	
Puerto Montt	PMCH	Chile	41.4898S	72.8962W	36	
Puerto Natales	MG05	Magallanes	51.6784S	72.5032W	99	From 2015-02-19
Puerto Octay	LL04	Los Lagos	40.9097S	72.4082W	247	From 2015-02-17
Puerto Peasco	PPXB	Baja California,Mexico	31.3355N	113.6330W	15	From 2007-12-31
Puerto Plata	PPDR	Dominican Republic	19.8053N	70.7243W	4	From 2010-01-01
Puerto Princesa	PPR	Palawan,Philippines	9.7761N	118.7300E	15	From 1972-01-01
Puerto Quito-OCP	BV15	Ecuador	0.1589N	79.2228W	147	From 2014-08-06
Puerto Rico Seismic Network	PRSN	Puerto Rico	18.2171N	67.1447W	25	From 2015-07-01
Puerto Saavedra	PSCH	Cautin,Chile	38.7990S	73.3920W	85	From 2009-12-20
Puerto Saavedra	LC02	La Araucana	38.7915S	73.3833W	67	From 2015-06-28
PUERTO SAN LORENZO	ASLZ	Ecuador	1.0664S	80.9055W	32	From 2016-04-22
Puerto Suarez	BBPS	Bolivia	19.0696S	57.8435W	190	From 2018-11-08 to 2099-12-12
Puerto Suarez	BB08	Bolivia	18.9680S	57.8055W	116	From 2012-04-16
Puerto Vidal, Veraguas	PVID3	Panama	8.0490N	81.6090W	35	From 2010-01-01
Puerto Villamil, Aeropuerto	PVIL	Galapagos,Ecuador	0.9463S	90.9542W	5	From 2012-10-08
Puerto Wilches	VMM07	Colombia	7.3601N	73.8519W	91	From 2015-10-08
Puerto Williams	MG01	Magallanes	54.9322S	67.6300W	57	From 2013-11-01
Puert Vallarta	PUVA	Jalisco,Mexico	20.6262N	105.2190W	0	From 2009-02-16
Puget-Rostang	MFC	Provence-Cote d'Azur	43.9670N	6.9196E	1053	From 2022-06-09
Puget-Rostang	BARBE	Provence-Cote d'Azur	43.9792N	6.9484E	1536	From 2022-06-09
Pujili	APUJ	Ecuador	0.9580S	78.7010W	2773	
Pujut, Nusa Tenggara Barat	PBLI	Indonesia	8.8218S	116.2778E	106	From 2019-01-01
Puka	PUK	Albania	42.0427N	19.8928E	900	
Pukaskwa National Park	PNPO	Ontario,Canada	48.5957N	86.2846W	219	
Pukeatua	PKAZ	New Zealand	35.7757S	174.2131E	204	From 2022-12-21
Pukeiti	PKE	North Island,New Zealand	39.1939S	173.9867E	515	From 1993-12-14
Pukenui	PNHZ	North Island,New Zealand	39.9134S	176.1998E	616	From 2004-06-09
Puketiti	PUZ	North Island,New Zealand	38.0716S	178.2572E	430	From 1989-03-08
Pulasari	PULI	Jawa,Indonesia	6.3450S	105.9760E	1346	
Pulaski	W48A	Tennessee,U.S.A.	35.1386N	86.9333W	260	From 2012-01-15
Pulaski	PUV	Virginia,U.S.A.	37.0257N	80.8158W	652	From 1978-01-01 to 2004-09-30
Pulaski	T55A	Virginia,U.S.A.	37.1170N	80.7843W	644	From 2013-02-20
Pulau Batu	PBSI	Sumatera,Indonesia	0.0547S	98.2800E	0	From 2007-12-01
Pulau Makian, Maluku Utara	PMMI	Indonesia	0.3738N	127.4158E	16	From 2019-01-01
Pulau Pagai	PPSI	Sumatera,Indonesia	2.7630S	100.0096E	0	From 2007-12-01
Pulau-Weh	PWS	Sumatera,Indonesia	5.8333N	95.3000E		
Pulchoki	PKI	Nepal	27.5710N	85.4090E	2758	From 1978-11-01
Pulheim	PLH	Nordrhein-Westfalen,Germany	51.0040N	6.8195E	-300	From 1981-01-01
Puligny Montrachet	PLYF	Bourgogne	46.9565N	4.7442E	294	From 2015-01-01
Puli Township	WPL	Taiwan region	24.0120N	120.9570E	190	From 2001-04-10
Pulkovo	PUL	Saint-Petersburg,Russia	59.7728N	30.3222E	83	
Pul - Mazandaran	MZPU	Iran	36.4398N	51.5687E	1978	From 2016-10-29
Pululahua	PULU	Ecuador	0.0218N	78.5022W	3114	From 2011-08-01
Punduh Pedada, Lampung	PPLI	Indonesia	5.7410S	105.1449E	63	From 2019-10-01
Pune	PUNE	Maharashtra,India	18.5296N	73.8491E	600	
Punghina	PUNG	Romania	44.2782N	22.9325E	131	From 2012-10-31
Pung Luong	NCV	Vietnam	21.6493N	104.2387E	1023	From 2009-01-01 to 2012-12-31
Puno	PUN	Peru	15.8750S	69.9961W	3860	
Punta Ardita, Choc	PTAC	Colombia	7.1472N	77.8083W	78	From 2012-06-01
Punta Arenas	PTA	Magallanes,Chile	53.1553S	70.9006W	10	
Punta Arenas	GO10	Magallanes,Chile	53.1546S	71.0498W	652	
Punta Banco, Puntarenas	PBNC	Costa Rica	8.3714N	83.1271W	248	From 1984-04-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Punta Banda	PBX	Baja California,Mexico	31.7420N	116.7255W	400	From 1982-04-16
Punta Banda, PTB	CPTB	Mexico	31.7362N	116.7123W	170	
Punta Burica	PBC	Costa Rica	8.4437N	83.0708W	140	From 1985-01-01
Punta Cana	PUCA	Dominican Republic	18.5880N	68.4028W	0	
Punta Cana, DR	PCDR	Dominican Republic	18.5139N	68.3814W	6	From 2007-03-01
PUNTA DE LOS LLANOS	APLL	La Rioja,Argentina	30.3949S	66.5279W	725	From 1997-06-20
Punta Galera	PTGL	Ecuador	0.7815N	80.0304W	262	From 2008-12-04
Puntagorda, La Palma	CGOR	Canary Islands	28.7788N	17.9948W	450	From 2017-11-07
Punta Hualpn	BI05	Bio-Bio	36.7476S	73.1904W	99	From 2016-09-14
Punta indio, Guanacaste	INDI	Costa Rica	9.8665N	85.5022W	74	From 1999-12-17
Punta Lena	SL6*	Sicily,Italy	38.7733N	15.2147E		From 1966-04-01 to 1966-05-01
Puntallana, La Palma	CPUN	Canary Islands	28.7348N	17.7556W	583	From 2017-05-24
Punta Lucia	EPLC	Sicily,Italy	37.7620N	14.9860E	2930	From 1994-10-01
Punta Orchilla, El Hierro	CCAL	Canary Islands	27.7128N	18.1472W	111	From 2016-06-10
Punta Patache	PATCX	Chile	20.8207S	70.1529W	832	From 2009-12-02
Puntarenas	ENAS	Costa Rica	9.9780N	84.8350W	16	
Puntarenas	PSVT	Costa Rica	8.8216N	82.9670W	987	
Puntarenas Province,Vegas	PAR1A	Costa Rica	9.5960N	84.2530W	72	
Punta Rusia, Puerto Plata	LOPP1	Dominican Republic	19.8535N	71.1992W	60	From 2015-12-07 to 2018-05-31
Punta Talca	PUT	Santiago,Chile	33.4187S	71.6964W	25	From 1975-01-01
Puntijarka	PTJ	Croatia	45.9070N	15.9680E	1023	
PUNV	PUNV	Ecuador	0.2390N	79.4650W	3283	
PUOLANKA	PUF	Finland	64.6637N	28.0531E	337	From 2018-10-01
Pupakea	PUP	Hawaii,U.S.A.	21.6472N	158.0280W		From 1960-01-01 to 1965-12-31
Puquio	PP06	Peru	14.6955S	74.1235W	3200	
Purari	PUR	Papua New Guinea	6.9881S	145.0730E	300	From 1975-07-11
Purcari	PURM	Moldova	46.5293N	29.8723E	33	From 2013-11-26
Purcell Mountains	G19K	Alaska,U.S.A.	66.1434N	157.0870W	391	From 2017-06-14
Puriscal	PRS1	Costa Rica	9.9838N	84.3112W	1145	
Puriscal	PURI	Costa Rica	9.8470N	84.3110W	1121	
Purkeypile	PPLA	Alaska,U.S.A.	62.8962N	152.1894W	1519	From 2002-12-11
Puro	UPUR	Italy	42.7326N	13.0339E	816	
Purple Mountain	YPM	Wyoming,U.S.A.	44.6572N	110.8687W	2582	
Purvis	PU-	Mississippi,U.S.A.	31.1519N	89.5489W	91	From 1965-02-26 to 1965-03-03
Purvis	PU-MS	Mississippi,U.S.A.	31.1519N	89.5489W	91	From 1965-02-26 to 1965-03-03
Pusan	PUS	Republic of Korea	35.1000N	129.0330E	71	
Pusma	PUSN	Nepal	28.8750N	81.2710E	1524	
Pusztahencse	PKB5	Hungary	46.5950N	18.7356E	34	From 2016-03-01
Pusztamerges	HU21A	Hungary	46.3329N	19.7290E	163	From 2019-05-16
Pusztavm	MSW1	Hungary	47.3929N	18.2590E	311	From 2020-03-26
Puta, Azerbaijan	MV02	Azerbaijan	40.2948N	49.6693E	-5	From 2021-02-17
Putnam	PUTN	New York,U.S.A.	41.3818N	73.8283W	170	
Puturge, Malatya	MGUN	Turkey	38.1670N	38.8586E	1500	From 2021-12-29
Puu Honuaula	PHO	Hawaii,U.S.A.	19.4817N	154.8900W	215	From 1970-04-01 to 2000-11-09
Puu Huluhulu	PHH	Hawaii,U.S.A.	19.3750N	155.2080W	1021	From 1969-07-01 to 1973-11-30
Puu Kaliu	PKL	Hawaii,U.S.A.	19.4580N	154.9210W	271	
Puu Kamoamoa	KMH	Hawaii,U.S.A.	19.3912N	155.1160W	750	
Puuokali	POK	Hawaii,U.S.A.	20.7333N	156.3887W	511	
Puu Pili	PPL	Hawaii,U.S.A.	19.1583N	155.4640W	35	
Puu Ulaula	PLL	Hawaii,U.S.A.	19.5333N	155.4610W	2992	
Puyallup School ANSS-SMO	PAYL	Washington,U.S.A.	47.1926N	122.3140W	9	From 2001-06-28
Puy-de-Dome	PDD	Auvergne,France	45.7667N	2.9667E	1450	
Puyloubier	PUYF	Provence-Cote d'Azur,France	43.5323N	5.7003E	460	From 1988-04-08 to 2007-12-02
PUYLOUBIER	LEPF	Provence-Cote d'Azur,France	43.5230N	5.7020E	345	From 2007-08-13
Puyo	APUY	Ecuador	1.4591S	77.9956W	952	From 2012-07-13
Puyo, Santa Rosa	PUYO	Ecuador	1.4928S	78.0239W	1040	From 2012-06-28
Puysegur Point	PYZ	South Island,New Zealand	46.1663S	166.6807E	277	From 2007-05-01
Puysegur Point	PPZ	South Island,New Zealand	46.1406S	166.6270E	3	From 1972-04-06 to 1972-04-24
Puyuhuapi	AY01	Chile	44.4209S	72.6481W	8	From 2015-06-04
Puyuhuapi	PHPI	Patagonia	44.3205S	72.5679W	46	From 2010-01-01
Puzi	WLGB	Taiwan region	23.4777N	120.2999E	16	From 2002-11-30
Pyatigorsk	PYA1	Russia	44.0625N	43.0958E	614	From 2008-10-02
Pyatigorsk	PYA	Stavropol'skiy Kray,Russia	44.0333N	43.0583E	544	
Pyeongchang	KSPYC	Republic of Korea	37.3713N	128.3906E	331	From 2007-12-12
Pyeongtaek	PYTK	Republic of Korea	36.9859N	127.1077E	39	From 2007-12-12
Pylos	PYL1	Greece	36.9142N	21.6954E	4	From 2010-11-01
Pylos	PYL5	Greece	36.9072N	21.7267E	215	From 2016-04-29 to 2019-01-05
PYLOS	PYL	Greece	36.8955N	21.7420E	227	From 2006-02-01
Pyongsong	PYS	Democratic People's Republic of Korea	39.2507N	125.8547E	100	From 1978-01-01
Pyongyang	PYO	Democratic People's Republic of Korea	39.0333N	125.7500E	51	
Pyongyang	PYAG	Democratic People's Republic of Korea	39.0508N	125.7580E	40	From 1978-01-01
Pyramid	PYR	California,U.S.A.	34.5680N	118.7410W	1247	
Pyrgos	PYR2	Greece	37.6671N	21.4506E	6	From 2010-11-01
PYRGOS	PYR3	Greece	37.6787N	21.4623E	56	From 2013-01-15
Pyrgos, Dorida, Greece	PYRG	Greece	38.4102N	22.0168E	595	From 2001-06-09
QAANAAQ INFRASONIC ARRAY REFERENCE POINT	IN8DK	Greenland	77.4756N	69.2878W	88	From 2002-09-05
Qafa e Shtames	QSH	Albania	41.5216N	19.9050E	1100	
Qairoon Hariti	QHRO	Oman	17.2528N	54.0854E	790	From 1998-08-27
Qala	QALA	Malta	36.0349N	14.3202E	91	From 2017-06-15
Qamsar	QAMS	Iran	33.7360N	51.3964E	2245	From 2015-06-06
Qangwa	QNGWA	Botswana	19.5295S	21.1740E	1094	
Qangwa	QNG1	Botswana	19.5250S	21.2080E	1050	From 2001-01-01 to 2100-12-31
Qaraoun	QRWL	Lebanon	33.5477N	35.6822E	875	From 2011-10-01
Qarnain Island	JRN	United Arab Emirates	24.9422N	52.8491E	0	
Qassim	QASM	Saudi Arabia	26.0900N	43.5360E	675	From 1988-01-01
Qassioun	QASN	Syria	33.5328N	36.2761E	990	From 1994-12-01
Qatafi	QTFJ	Jordan	31.8230N	37.4800E	648	From 1990-03-05
Qatrana	QTRJ	Jordan	31.3000N	36.0100E	876	From 1988-02-20
Qazax, Azerbaijan	QZX	Azerbaijan	41.0580N	45.3720E	563	From 2010-01-19
Qazvin	QCNT	Iran	36.2901N	50.0091E	1319	
Qibla Bandi	QIB	Pakistan	33.9007N	72.5925E	396	
Qililugaq Exploration Camp	QILN	Northwest Territories,Canada	66.6531N	86.3709W	115	
Qimei	VCHM	Taiwan region	23.2087N	119.4295E	60	From 2010-04-27
Qingdao	TSN	Shandong,China	36.0667N	120.3170E	70	
Qiongzhong	QIZ	Hainan Dao,China	19.0294N	109.8430E	230	
Qir	QIR1	Iran	28.4764N	53.0442E	740	
Qobustan	GBS	Azerbaijan	40.5350N	48.9420E	827	From 2011-04-06
Qom	IQOM	Iran	34.8424N	51.0703E	2270	From 1996-01-01
Qoradiz	QRD	Azerbaijan	39.4615N	47.3203E	300	From 2013-10-18
Qsaybeh	QSB	Lebanon	33.8710N	35.6443E	550	
Quabbin	QUA	Massachusetts,U.S.A.	42.4566N	72.3738W	201	From 1977-05-07 to 1999-01-31
Quadrado	QAD	Luzon,Philippines	15.0440N	120.3540E		
Quail	IP07	Virginia,U.S.A.	37.9185N	78.0296W	138	
Quail Canyon Rd San Jose	C059	California,U.S.A.	37.3426N	121.7724W	244	From 2012-03-01
Quail Lake	QAL	California,U.S.A.	34.7497N	118.7150W	1256	
Quail Ridge Natural Reserve, California	QRDG	California	38.4805N	122.1446W	371	From 2018-09-01
Quairading	QUAI	Western Australia	32.0120S	117.3950E	256	
Qualls	QUAR	Arkansas,U.S.A.	35.6439N	90.6491W	115	
Quanzhou	QZH	Fujian,China	24.9431N	118.5920E	21	From 1970-10-01
Quanzhou	QZN	Fujian,China	24.9431N	118.5920E	21	From 1970-10-01
Quanzhou	QZH2	Fujian,China	24.9469N	118.5989E	78	From 2017-07-14
Quarantoli, Mirandola (MO)	MIR08	Italy	44.9169N	11.0895E	14	From 2012-05-24
Quarry, Mount Saint Helens	B203	Washington,U.S.A.	46.1690N	122.3337W	595	
Quarto	QRI	Italy	40.8780N	14.1458E		
Quartz Hill	QHW	North Island,New Zealand	41.2503S	174.6907E	190	From 1985-09-27 to 1988-09-28
Quartzite Mountain	QM-NV	Nevada,U.S.A.	37.5631N	116.3178W	1878	
Quartz Mountain	QMO	Oklahoma,U.S.A.	34.8929N	99.3071W	479	From 1977-07-29 to 1980-12-31
Quartz Mountain State Park	QZO	Oklahoma,U.S.A.	34.9052N	99.3053W	488	
Quartz Range	QRZ	South Island,New Zealand	40.8255S	172.5292E	263	From 1990-04-26
Quattro Castella	QCI	Italy	43.8167N	11.2167E	120	
Quay	QUOK	Oklahoma,U.S.A.	36.1714N	96.7080W	296	From 2014-03-27
Quba	KUB	Azerbaijan	41.3300N	48.5000E	980	From 1998-01-01
Quba	QUB	Azerbaijan	41.3800N	48.3600E	1000	From 1978-01-01 to 1998-01-01
Quba, Azerbaijan	QUBA	Azerbaijan	41.3550N	48.4930E	645	From 2003-03-29
Qucahn	IQHU	Iran	37.0730N	58.5394E	1320	From 1997-03-01
Quchan	QUCH	Iran	37.0384N	58.4708E	1501	From 2001-03-23
Quebec	QCQ	Quebec,Canada	46.7789N	71.2758W	91	
Quebec	QCL	Quebec,Canada	46.7789N	71.2758W	91	
Quebec	QBC	Quebec,Canada	46.7789N	71.2758W	91	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Quebese, A0282	M0282	Mozambique	20.6362S	34.0642E	64	
Quebrada Arriba	QARV	Venezuela	10.2070N	70.5240W	578	From 2002-03-26
Quebrada de Lajas	QLAJS	Panama	8.4660N	82.2370W	104	
Quebrada Grande	QUEG	Costa Rica	10.8361N	85.5077W	290	From 2004-01-01
Quebradillas	QBPR	Puerto Rico	18.4772N	66.9388W	74	From 2013-07-01
Quebradon, Cote	QUEB	Costa Rica	10.6230N	84.8957W	446	
Queen Anne	QAW	Washington,U.S.A.	47.6317N	122.3543W	140	
Queen Charlotte	QCC	British Columbia,Canada	53.2550N	132.0880W	3	
Queen City Summit	QCS	Nevada,U.S.A.	37.7574N	115.9409W	1899	From 1979-06-08 to 2002-10-10
Queen Creek	QC-	Arizona,U.S.A.	33.1842N	111.6340W	610	
Queen Elizabeth Park	QEPB	British Columbia,Canada	49.2419N	123.1141W	128	From 2019-11-08
Queen of Sheba Mine	QSM	California,U.S.A.	35.9650N	116.8682W	396	From 1978-11-28
Queensboro Lake	QLNY	New York,U.S.A.	41.3092N	74.0375W	238	
Queensbury	QMB	England,United Kingdom	53.7650N	1.8575W	116	From 1974-07-10 to 1979-11-15
Queens College	CUNY	New York,U.S.A.	40.7335N	73.8178W	20	
Queens East	JQE	Channel Islands,United Kingdom	49.2000N	2.0383W	58	
Queenstown	QTN	Tasmania,Australia	43.1000S	145.6000E		
Queenstown Police Station	QTPS	South Island,New Zealand	45.0322S	168.6629E	327	From 2002-06-12
Quelln	QLLN	Chile	43.1044S	73.6223W	129	
Quemado	X20A	New Mexico,U.S.A.	34.5421N	108.4980W	2057	From 2008-02-05 to 2009-11-24
Quentar	EQUE	Spain	37.2050N	3.4400W	1050	From 1995-04-15
Quepos	QPS	Costa Rica	9.4031N	84.1322W	83	From 1984-03-17
Quepos	QCR	Costa Rica	9.4241N	84.1653W	45	
Quepos	QPSR	Costa Rica	9.3919N	84.1239W	52	From 1999-09-24
Quepos	QUEP	Costa Rica	9.4310N	84.1640W	10	
Quepos	SVQ2	Costa Rica,Costa Rica	9.4317N	84.1662W	14	
Quepos	QCR1	Costa Rica	9.4253N	84.1678W	45	
Queralbs	EXQUE	Spain	42.3483N	2.1627E	1196	
Queretaro	QUIG	Queretaro de Arteaga,Mexico	20.7000N	100.2800W		
Quesada	EQES	Spain	37.8028N	3.0711W	1140	
Quesnel	QN-	British Columbia,Canada	52.9569N	122.3958W	610	From 1962-10-26 to 1962-10-27
Quesnel	QN-BC	British Columbia,Canada	52.9569N	122.3958W	610	From 1962-10-26 to 1962-10-27
Questa, S30	SCR30	New Mexico	36.7848N	105.5971W	2350	
Quetame, Cundinamarca	QUETC	Colombia	4.3805N	73.8831W	2196	From 2016-04-23
Quetta	QUET	Pakistan	30.2300N	66.9800E	1636	From 2007-11-10
Quetta	QUE	Pakistan	30.1883N	66.9500E	1721	From 1954-01-01
Quetta	QTA	Pakistan	30.2106N	67.0189E	1900	From 2000-01-01 to 2010-12-30
Quevedo	QUEV	Ecuador	1.0420S	79.2975W	141	From 2012-05-11
Quevedo	AQUE	Ecuador	1.0481S	79.4912W	84	From 2010-08-05
Quezalapa	QZA	El Salvador	13.5239N	88.9969W	250	
Quezaltepeque	QZG	Guatemala	14.6363N	89.3840W	1798	From 1981-01-01
Quezon City	QCP	Luzon,Philippines	14.6370N	121.0770E	58	
Quezon City--PHIVOLCS	QVPH	Luzon,Philippines	14.6520N	121.0580E	45	
Quezon City--PHIVOLCS	QVP	Luzon,Philippines	14.6230N	121.0040E	15	From 1991-01-01
Quiabu	QUIN	Nicaragua	13.1250N	86.4167W	1605	
Quien Sabe	AN13*	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quien Sabe	HQRH	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quien Sabe Ranch	QSR	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quiet Lake	N32M	Yukon Territory,Canada	61.1512N	133.0818W	816	From 2016-05-11
Quilcene	B013	Washington,U.S.A.	47.8130N	122.9108W	-87	
Quiliano	QLNO	Italy	44.3242N	8.3459E	547	From 2002-02-19
Quillagua	QUL	Antofagasta,Chile	21.6556S	69.5283W	800	
Quillayute Airport, Forks	C03A	Washington,U.S.A.	47.9475N	124.5662W	48	From 2005-10-20 to 2008-02-14
Quillmana	QUM	Peru	12.9550S	76.3867W	500	
Quilmana	PT02	Peru	12.9433S	76.4367W	500	
Quilotoa	QIL2	Ecuador	0.8689S	78.9167W	3923	From 2007-08-08
Quilotoa	QIL1	Ecuador	0.8453S	78.9338W	3340	From 1992-05-13
Quilotoa	QUIL	Ecuador	0.7569S	78.9252W	3430	From 1991-01-01
Quilpie	QLP	Queensland,Australia	26.5822S	144.2345E	210	From 1989-08-12
Quimbuelo	QMBU	Cuba	20.1989N	74.8119W	355	From 2016-09-17
Quincy	D07A	Washington,U.S.A.	47.1936N	119.9732W	453	From 2006-08-30 to 2008-05-10
Quincy	O05C	California,U.S.A.	39.9620N	120.9176W	1032	From 2005-04-20 to 2007-11-20
QUININDE	QIND	Ecuador	0.3131N	79.4607W	132	From 2016-04-20
Quinn	I27A	South Dakota,U.S.A.	44.0690N	102.0525W	867	From 2009-06-17 to 2011-05-08
Quinn River	QNR	Nevada,U.S.A.	41.6972N	117.9550W	1433	
Quinn River Valley	QRV	Nevada,U.S.A.	41.6972N	117.9550W	1433	From 1974-03-01 to 1975-08-31
Quinter	Q30A	Kansas,U.S.A.	38.9772N	100.2207W	797	From 2009-05-14 to 2011-03-20
Quinton	W37A	Oklahoma,U.S.A.	35.1380N	95.4269W	281	From 2010-04-23 to 2010-11-26
Quinton	W37B	Oklahoma,U.S.A.	35.1390N	95.4316W	279	From 2011-01-28
Quinzano	GRDQ	Italy	45.2984N	10.0336E	57	From 2011-03-15
Quinzano d'Oglio BS	QUINZ	Italy	45.2982N	10.0377E	121	
Quistinic	QUIF	Bretagne,France	47.9167N	3.1656W	125	From 1996-04-03
Quititos	QITI	Ecuador	0.7858N	79.9995W	386	From 1992-04-28
Quititos 2	QIT2	Ecuador	0.7732N	80.0397W	284	
Quitman	454A	Georgia,U.S.A.	30.7145N	83.6302W	50	From 2012-02-12
Quitman	247A	Mississippi,U.S.A.	32.0530N	88.6102W	109	From 2011-04-09 to 2013-01-21
Quito	QTO	Ecuador	0.2084S	78.5322W	3270	From 1988-09-01 to 1991-12-30
Quito	OAQ	Ecuador	0.2158S	78.4989W	2816	From 1978-03-01 to 1980-12-31
Quito	QUI	Ecuador	0.2001S	78.5005W	2837	
Quito-Colegio Militar	COMIL	Ecuador	0.1962S	78.4895W	2804	From 2010-08-19
Qund	QUND	Ecuador	0.3168N	79.4807W	330	From 1994-04-01 to 1994-09-30
Qurayyt al Milh	QURS	Saudi Arabia	31.3860N	37.3240E	491	
Qusar	QSAR	Azerbaijan	41.5150N	48.2630E	638	From 2011-04-12
Qutrana	QUTJ	Jordan	31.2987N	36.0100E	876	From 1987-01-01
Q. Yuibug Volcan Tungurahua	TUYU	Ecuador	1.4824S	78.4734W	3264	From 2016-10-24
Qyzylaghash	KZAG	Kazakhstan	45.3710N	78.7220E	510	
Rab	RABC	Croatia	44.7504N	14.7821E	16	From 2015-06-25
Raba	PL21A	Poland	49.5583N	19.8706E	566	From 2020-01-09
Rabalanakaia	RAL	New Britain,Papua New Guinea	4.2203S	152.2020E	91	From 1967-01-01
Rabat	RBA	Morocco	34.0089N	6.8406W	39	From 1966-03-01
Rabat Centre	RTC	Morocco	33.9880N	6.8570W	110	
Rabat Zaers	RBZ	Morocco	33.9292N	6.8400W	116	From 1968-01-01 to 1977-12-31
Rabaul	RAB	New Britain,Papua New Guinea	4.1927S	152.1630E	185	From 1940-01-01
Rabaul	RABL	Papua New Guinea	4.1911S	152.1637E	277	From 2009-04-01
Rabaul (IGS)	ERB	New Britain,Papua New Guinea	4.1932S	152.1620E	180	
Rabbit Creek Array Site 1	RC01	Alaska,U.S.A.	61.0894N	149.7367W	374	
Rabinal	RDG	Guatemala	15.0075N	90.4718W	1930	From 1978-06-01
Rabinger, Steiermark	A029A	Austria	47.4301N	13.7611E	992	From 2015-09-07
Rabkut	RBK	Oman	17.5035N	54.2039E	550	From 2001-07-01
Racchiusole (Umbertide) PG	AT05	Italy	43.2329N	12.2715E	494	From 2010-04-01
Rachaya	RCY	Lebanon	33.4965N	35.8357E	1370	From 2006-06-01
Rachel	S11A	Nevada,U.S.A.	37.6444N	115.7472W	1456	From 2007-01-23 to 2008-09-15
Racherla	RCLA	Andhra Pradesh,India	15.4568N	78.9551E	252	From 2009-11-07
Raciborz	RAC	Poland	50.0833N	18.1942E	209	
Rackout Springs	KRKM	California,U.S.A.	39.5628N	123.1820W	1280	
RADDA IN CHIANTI	RDD	Italy	43.4905N	11.3855E	476	From 2010-07-29
Rader Ridge	RADR	Washington,U.S.A.	46.4218N	123.7990W	568	From 2011-06-28
Radio Antilles	RSV	St Vincent,Saint Vincent and the Grenadines	13.3070N	61.2360W	8	From 1979-11-20
Radio balise VOR, 83065, Gassin, Var, Provence-Alpes-Côte d'Azur	A306A	France	43.2197N	6.6010E	363	From 2016-02-17 to 2019-11-15
Radium Mtn., Paradox Valley	PV13	Colorado,U.S.A.	38.1589N	108.8203W	2158	
Raeford	W58A	North Carolina,U.S.A.	35.0208N	79.2333W	84	From 2013-03-23
RAF Akrotiri, Cyprus, Site CY101	CY101	Cyprus	34.2041N	31.6291E	-2476	From 2017-02-18
RAF Akrotiri, Cyprus, Site CY201	CY201	Cyprus	33.6976N	31.9089E	-2585	From 2017-02-17
RAF Akrotiri, Cyprus, Site CY301	CY301	Cyprus	33.3003N	33.0541E	-1690	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY302	CY302	Cyprus	33.2962N	33.0439E	-1691	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY303	CY303	Cyprus	33.3101N	33.0535E	-1719	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY304	CY304	Cyprus	33.3040N	33.0461E	-1700	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY305	CY305	Cyprus	33.3112N	33.0425E	-1696	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY306	CY306	Cyprus	33.3033N	33.0371E	-1699	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY401	CY401	Cyprus	33.8813N	33.9054E	-2181	From 2017-02-25
RAF Akrotiri, Cyprus, Site CY501	CY501	Cyprus	34.1305N	34.2543E	-2110	From 2017-02-26
RAF Akrotiri, Cyprus, Site CY601	CY601	Cyprus	34.3447N	34.5054E	-2030	From 2017-03-03
RAF Akrotiri, Cyprus, Site CY602	CY602	Cyprus	34.3466N	34.5168E	-2027	From 2017-03-03
RAF Akrotiri, Cyprus, Site CY603	CY603	Cyprus	34.3349N	34.5027E	-2039	From 2017-03-03
RAF Akrotiri, Cyprus, Site CY604	CY604	Cyprus	34.3393N	34.5121E	-2034	From 2017-03-04
RAF Akrotiri, Cyprus, Site CY605	CY605	Cyprus	34.3314N	34.5132E	-2037	From 2017-03-04
RAF Akrotiri, Cyprus, Site CY606	CY606	Cyprus	34.3383N	34.5210E	-2032	From 2017-03-04
Raffo Rosso	RAFF	Sicily,Italy	37.2225N	14.3624E	310	From 2005-12-22
Rafha	SRFHA	Saudi Arabia	29.0340N	44.6050E	398	

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Rafsanjan	RFDD	Iran	30.5200N 56.2600E	0	
RAFT	RAFT	Washington,U.S.A.	46.1957N 122.1863W	2132	
Rafter H Ranch, Green River	Q18A	Utah,U.S.A.	39.1025N 110.1328W	1295	From 2007-07-14 to 2009-03-09
Ragged Mountain	RGD	Alaska,U.S.A.	60.2192N 144.5460W	610	
Ragged Mountain	RAGM	Alaska,U.S.A.	60.3870N 144.6750W	739	From 1984-01-01
Ragusa ex Provincia	IPAI	Italy	36.9121N 14.7249E	535	From 2023-04-19
Rahes	S001	Greece	37.2830N 21.7180E	156	
Rahkiv	RAKU	Carpathian Mountains	48.0259N 24.1663E	440	From 2004-07-01
Raibl	RBL	Italy	46.4417N 13.5683E	900	From 1978-02-06 to 1988-01-01
Railroad Flat South	MRFM	California,U.S.A.	38.2453N 120.5210W	799	From 1976-07-12
Rainbow Creek	VRC	Oregon,U.S.A.	42.3367N 122.2180W		From 1993-10-07
Rainbow Monument	RMU	Utah,U.S.A.	37.0760N 110.9700W	1536	
Rainbow Mountain	RBY	North Island,New Zealand	38.3194S 176.3880E	730	From 1984-01-03 to 1984-04-22
Rainbow Ridge, Petrolia, CA USA	RBOW	California	40.3346N 124.1114W	1092	From 2020-05-01
Raindorf	A358A	Germany	48.8697N 13.1943E	738	From 2015-10-23
Rainelle	RN-	West Virginia,U.S.A.	38.0764N 80.8483W	853	From 1962-12-31 to 1963-05-16
Rainelle	RN-WV	West Virginia,U.S.A.	38.0764N 80.8483W	853	From 1962-12-31 to 1963-05-16
Rainier	RAIO	Washington,U.S.A.	46.0403N 122.8851W	11	
Rainier, OR	F04D	Oregon,U.S.A.	46.0829N 123.0108W	236	From 2009-11-14
Rainshed	RSD	Hawaii,U.S.A.	19.4630N 155.2780W	1270	
Rainy Point	RAEZ	North Island,New Zealand	39.2865S 174.3935E	326	From 1997-05-30 to 2010-02-23
Rajabasa	RBSI	Sumatera,Indonesia	5.8445S 105.7420E	0	From 2007-12-01
Rajabasa P. Sibesi, Lampung	PSLI	Indonesia	5.9373S 105.5100E	39	From 2019-10-01
Raja-Jooseppi	RAJF	Finland	68.4751N 28.3110E	227	From 2017-10-01
Rajamunda Odisha,India	RAJA	Orissa	21.4690N 85.1194E	143	From 2015-07-16
Rakaia	RACZ	South Island,New Zealand	43.7271S 172.1396E	86	From 2012-06-30
Rakaia School	RKAC	South Island,New Zealand	43.7515S 172.0231E	107	From 2005-02-23
Rakhov	RAK	Carpathian Mountains	48.0550N 24.1980E	460	
Raleigh	RALT	Tennessee,U.S.A.	35.2060N 89.9410W	100	
Raluana Point	RPT	New Britain,Papua New Guinea	4.2952S 152.2160E	1	From 1972-01-01
Ramage Ranch	RAMR	California,U.S.A.	35.6360N 120.8698W	416	
Ramage Ranch, Paso Robles	V04C	California,U.S.A.	35.6360N 120.8699W	431	From 2004-06-07 to 2007-09-01
Ramah	W20A	New Mexico,U.S.A.	35.1259N 108.5001W	2110	From 2008-01-13 to 2010-02-07
Raman	RAM	Turkey	37.7658N 41.2925E	850	From 1964-01-01
Ramapo Mountain	RAMA	New Jersey,U.S.A.	41.0952N 74.1807W	247	From 1978-11-21
Ramat Hashofet	RSFT	Israel	32.6083N 35.0929E	272	From 2018-12-12
Rambah, Riau	RRSI	Indonesia	0.8410N 100.3461E	78	From 2019-01-01
Ramban	RMBN	Jammu and Kashmir,India	33.2312N 75.2455E		
Ramesheh	IRAM	Iran	31.8088N 52.3815E	2000	From 2000-09-01
Ramhormoz	RMKL	Iran	30.9820N 49.8090E	176	From 2008-01-22
RAMI	RAMI	Israel	32.7860N 35.1280E	37	From 1988-05-01 to 1990-09-30
Ramite	RAMN	Nepal	26.9500N 86.6000E	2134	From 1994-04-01
Rammel Mountain	RAMW	Wyoming,U.S.A.	43.8890N 110.9500W	2512	From 1986-01-01
Rmnicu Srat	RMSR	Romania	45.3906N 27.0384E	154	From 2019-03-13
Ramnicu Valcea	RMV	Romania	45.1201N 24.3685E	255	From 2015-09-07
Ramos, ABE	ABEMX	Baja California	32.4183N 116.6140W	487	
Ramot	RMOT	Israel	32.8515N 35.6645E	12	From 2018-02-06
Rampart Ranch, Las Vegas	V24A	New Mexico,U.S.A.	35.7259N 105.2716W	2187	From 2008-06-03 to 2010-04-02
Rampur	RPR	Andhra Pradesh,India	18.8579N 79.2939E	162	From 2008-10-01
Ranah Ampek Hulu Tapan, Sumatera Barat	RASM	Indonesia	2.1655S 101.0708E	100	From 2019-01-01
Ranchadero, Monte Cristi	LORA	Dominican Republic	19.6498N 71.3716W	86	From 2020-11-14
Rancho agua Caliente	RACA	Baja California	32.0198N 116.3010W	744	From 2010-02-18
Rancho Alamar	ALAMX	Baja California	32.0075N 115.7080W	318	From 2015-12-03
Rancho Bola	RANB	Spain	36.6328N 6.1384W	65	From 1993-04-01 to 2003-05-07
Rancho Dawling	RDX	Baja California,Mexico	31.9282N 115.9422W	1708	From 1989-09-29
Rancho las Palomas, RLP	CRLP	Mexico	31.6887N 116.5092W	184	
Rancho Los Cerritos	LCL	California,U.S.A.	33.8333N 118.1920W	8	
Rancho Maria	MARY	Ecuador	0.7337S 78.4867W	3700	From 1990-09-07
Rancho Maria	CAMI	Ecuador	0.6767S 78.5047W	3630	From 2005-05-17
Rancho Navarro	GRNM	California,U.S.A.	39.1753N 123.5760W	73	
Rancho No Tengo, Wagon Mound	V25A	New Mexico,U.S.A.	35.8383N 104.6164W	1861	From 2008-05-17 to 2010-04-10
Rancho Palos Verdes	RPV	California,U.S.A.	33.7433N 118.4043W	64	From 1993-01-01
Rancho San Jose	RSJ	Baja California,Mexico	30.9733N 115.7450W	650	
Rancho San Luis	RSLU	Baja California	32.1160N 115.8410W	1490	From 2010-02-17
Rancho Ultima Agua, B.C.S	UAGRB	Baja California	25.5620N 111.2570W	180	From 2015-11-22
Rancho Viejo MIN	MINMX	Baja California	32.0533N 116.7825W	328	
Ranco del Oso Pardo, S29	SCR29	New Mexico	36.9591N 106.5352W	2587	
Rancolfo	B001	Italy	43.2550N 12.4317E	494	From 2011-02-08
Randall Ranch, Ashland	T31A	Kansas,U.S.A.	37.0977N 99.6771W	564	From 2009-04-01 to 2011-03-11
Randle	E05A	Washington,U.S.A.	46.5605N 121.7608W	1481	From 2005-10-28 to 2008-02-11
Randolf College Riding Center, Lynchburg	RCRC	Virginia,U.S.A.	37.4320N 79.2718W	271	
Rand Water	RDWR	South Africa	26.2901S 28.0370E	1645	From 2010-01-01
Randwick School	LRSS	North Island,New Zealand	41.2294S 174.9042E	3	From 2011-07-15
Rangdo, Negare	RTBI	Bali,Indonesia	8.4597S 114.9420E	300	
Rangely	RGC	Colorado,U.S.A.	40.1042N 108.9270W	1610	From 1975-02-01
Rangipo	RGZ	North Island,New Zealand	39.1535S 175.8340E	820	From 1984-07-19 to 1989-03-31
Rangitukua	RATZ	North Island,New Zealand	38.8665S 175.7722E	653	From 1984-11-21
Rangndo	RANI	Bali,Indonesia	8.4525S 114.9490E	500	
Rangoon	RAN	Myanmar	16.8667N 96.1833E	14	
Raniyah - temporary	RANIT	,Saudi Arabia	21.3116N 42.7761E	1001	
Rankasinga Odisha,India	RANK	Orissa	20.8877N 85.1402E	90	From 2015-07-14
Rankin	TMB02	Texas	31.1981N 102.0379W	767	From 2018-11-16
Rankin Inlet	YRTN	Northwest Territories,Canada	62.8104N 92.1096W	23	
Ranney Well	RWW	Washington,U.S.A.	46.9639N 123.5433W	15	
Ranong	RNTT	Thailand	9.3904N 98.4778E	38	
Ransiki, Papua	RKPI	Irian Jaya,Indonesia	1.5107S 134.1773E	106	From 2008-12-01
Rantau Prapat	RPSI	Sumatera,Indonesia	2.6951N 98.9240E	0	From 2007-12-01
Rantau Selatan, Sumatera Utara	RLSI	Indonesia	2.0687N 99.8455E	29	From 2019-01-01
Ranua	RANF	Finland	66.0147N 26.7886E	188	From 2016-12-21
Ranyah	RYNS	Saudi Arabia	21.3223N 42.8478E	974	
Ranyah	RNYS	Saudi Arabia	21.4267N 42.7662E		
Raoul Island	RIZ	Kermadec Islands,New Zealand	29.2449S 177.9289W	110	From 2009-06-01
Raoul Island	RAO	Kermadec Islands,New Zealand	29.2517S 177.9180W	110	
Rapa Nui	RPN	Easter Island,Chile	27.1267S 109.3340W	110	From 1987-07-01
Rapidan	R58A	Virginia,U.S.A.	38.2989N 78.0034W	184	From 2013-04-17
Rapid City	RCD	South Dakota,U.S.A.	44.0750N 103.2080W	995	From 1943-01-01
Rapindik	RAP	New Britain,Papua New Guinea	4.2289S 152.1970E	3	From 1950-01-01 to 1958-12-31
Rarakau	RRKS	South Island,New Zealand	46.1474S 167.4725E	59	From 2004-05-11
Raron, Airdrome, VS	RAR02	Switzerland	46.3033N 7.8245E	636	From 2018-07-13
Raron, Gemeindekanzlei, VS	RAR01	Switzerland	46.3090N 7.8010E	635	From 2018-07-13
Rarotonga	RAR	Cook Islands	21.2125S 159.7730W	28	From 1965-08-01
Rarz	RARZ	Tajikistan	39.3811N 68.7707E	1583	From 2022-06-01
Rasa	RASA	Romania	44.2144N 27.1493E	50	From 2012-10-31
Ras Al Marh	MARH	Syria	34.0261N 36.4817E	2640	From 1994-12-01
RASCA	PRAR	Romania	47.3617N 26.2276E	451	From 2008-11-27
Rasdorf	WBRD	Hessen	50.7238N 9.8900E	374	From 2022-08-05
Ras En-Naqb	NAQJ	Jordan	30.0000N 35.5050E	1640	From 1990-03-15
Rashteghoun_ Qazvin	QRS1	Iran	36.3322N 50.1469E	1559	From 2019-09-14 to 2019-12-04
Rasht - Gilan	RST1	Iran	37.2324N 49.6300E	12	From 2015-07-13
Rasiei, Papua Barat	IWPI	Indonesia	2.7581S 134.5162E	36	From 2019-01-01
Raspadskaya	RASP	Kemerovskaya Oblast'	53.7385N 88.1065E	368	From 2023-05-04
Raspberry Island	RAI	Alaska,U.S.A.	58.0605N 153.1590W	520	From 1975-10-01
Rassina, Castel Focognano (AR)	ARAS	Italy	43.6541N 11.8432E	326	From 2011-05-24 to 2011-09-30
Rastdorf	RAST	Germany	52.9096N 7.7164E	37	From 2012-01-01
Rata	RATI	Bali,Indonesia	8.7233S 115.5320E	400	
Rata Peaks	RPZ	South Island,New Zealand	43.7146S 171.0539E	403	From 2001-06-06
Rataul	RTUL	Uttar Pradesh,India	28.8322N 77.3418E	0	
Rath Farm, Roundup	E19A	Montana,U.S.A.	46.4611N 108.7860W	1059	From 2008-08-13 to 2010-06-06
Rathfarnham	DUB	Ireland	53.2986N 6.2825W	52	
Rat Island	RAT	Alaska,U.S.A.	51.7991N 178.3300E	226	From 1970-10-14 to 1973-04-30
Raton	RT-NM	New Mexico,U.S.A.	36.7294N 104.3603W	1951	From 1961-12-04 to 1965-03-22
Raton	RT-	New Mexico,U.S.A.	36.7294N 104.3603W	1951	From 1961-12-04 to 1965-03-22
Rattlesnake Hills	RSW	Washington,U.S.A.	46.3945N 119.5913W	1045	From 1970-07-01
Rattlesnake Lake	RATT	Washington,U.S.A.	47.4255N 121.8025W	440	
Rattlesnake Mountain	RMW	Washington,U.S.A.	47.4597N 121.8050W	1024	
Rattlesnake Point	ORAM	California,U.S.A.	39.4687N 121.4130W	588	From 1975-08-05
Ratzakli, Kefalonia, Greece	RTZL	Greece	38.0760N 20.7715E	103	From 2018-06-14
Raudholl	IRAH	Iceland	63.8529N 22.5679W	51	From 2020-02-06
Raukumara Range	RUGZ	North Island,New Zealand	37.9651S 177.6775E	1175	From 2011-05-19

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
RAUL	RAUL	Bolivia	19.2999S	60.7065W	335	From 1994-11-29 to 1995-02-02
Ral Marn Balmaceda	RMBA	Patagonia	43.8889S	72.9069W	36	From 2010-01-01
Rauma	RAF	Finland	61.0230N	21.7640E	30	From 2005-10-31
Raurimu	RUZ	North Island,New Zealand	39.1252S	175.3380E	450	From 1990-08-14 to 1992-05-28
Rausandaksla	RAUS	Norway	66.4366N	14.0416E	290	From 2019-09-13
Rausu	JRA	Nemuro,Japan	43.9378N	145.1220E	10	
Rauta	RKCM	Indonesia	2.5625S	121.3450E	431	From 2020-12-31
Rauvai	RUV	Tuamotu,French Polynesia	15.1889S	147.3840W	3	
RAVALLE	FEM2	Italia	44.9243N	11.5145E	-140	From 2020-08-10
Ravar	KRVR	Iran	31.6517N	56.8586E	1100	From 2021-07-01
Ravarino	RAVA	Italy	44.7559N	11.1188E	15	From 2003-11-10
Ravascletto	RVST	Italy	46.5232N	12.9265E	992	From 2019-02-12
Ravendale, CA USA	RAVE	California	40.7980N	120.3084W	1634	From 2022-03-01
Ravensbos	RSB	Netherlands	50.8883N	5.8325E	135	From 1970-02-01 to 1972-04-10
Ravensburg	RAV	Baden-Wurttemberg,Germany	47.7870N	9.6216E	460	From 1914-01-01 to 1994-09-30
Ravensburg, Horgenzell	A103A	Germany	47.8102N	9.5221E	547	From 2015-11-08
Ravensburg, Schmalleg	A103B	Germany	47.8102N	9.5222E	547	From 2016-11-08
Ravensburg, Wasserhochbh2	A103D	Germany	47.8008N	9.5500E	603	From 2018-05-28
Ravenstein	A116A	Germany	49.3980N	9.4833E	323	From 2015-11-03
Ravensthorpe	RAVT	Western Australia	33.5810S	120.0457E	80	
Raver	RAW	Washington,U.S.A.	47.3372N	121.9314W	208	
Ravine Marchand	RMGF	Guadeloupe,France	16.0443N	61.6657W	1150	
Rawas Hulu, , Sumatera Selatan	RMSM	Indonesia	4.5446S	103.8200E	56	From 2019-01-01
Rawhide Mountain	RH-NV	Nevada,U.S.A.	38.2267N	116.3814W	1768	
Rawhiti Farm	RAWNZ	New Zealand	38.0130S	177.0440E	75	
Rawiri	RAGZ	North Island,New Zealand	38.4956S	177.4154E	889	From 2008-07-02
Rawlins	RWWY	Wyoming,U.S.A.	41.6889N	107.2102W	2402	From 2004-09-01
Rawlins	L21A	Wyoming,U.S.A.	41.9641N	107.3695W	2065	From 2007-10-31 to 2009-10-10
RAYAGADA	RAGD	Orissa	19.2471N	83.4574E	254	From 2015-12-12
Raymond	B019	Washington,U.S.A.	46.6527N	123.6518W	9	
Raymond Alberta	RAYA	Alberta,Canada	49.3863N	112.6873W	1023	From 2010-07-09
Raywood Flat	RAY	California,U.S.A.	34.0363N	116.8110W	2342	
Razan Borujerd	RAZA	Iran	33.5638N	48.9056E	2149	From 2023-07-19
Razeghan	IRAZ	Iran	35.4046N	49.9290E	1950	From 1996-01-01
Razgrad	RAZG	Bulgaria	43.5662N	26.5079E	383	From 2012-11-20
Razococha-Potrerillos	RAZO	Ecuador	0.6779N	77.8756W	3745	From 2023-03-06
Reactor, Bogot	REAC	Colombia	4.6420N	74.0950W	2554	From 1996-01-19
Reagan Ranch, Oscar	Y34A	Oklahoma,U.S.A.	33.9574N	97.7573W	262	From 2009-11-07 to 2011-09-05
Reales	REAL	Spain	36.4840N	5.2078W	1452	
REANA DEL ROJALE	REA	Italy	46.1499N	13.2433E	215	From 2016-07-04
Reason Mountain	RMNB	California,U.S.A.	36.0009N	120.4777W	1091	
Reay	ORE	Scotland,United Kingdom	58.5480N	3.7622W	100	From 1995-09-21
Rebuntou	JRBN	Hokkaido,Japan	45.4234N	141.0650E	15	From 2013-07-01
Receiver Site	NYR	Nevada,U.S.A.	37.0553N	116.0920W	1279	From 1971-01-01 to 1973-01-31
Reche Mountain	RCH	California,U.S.A.	34.3073N	116.3500W	841	From 1979-04-01
Recreation Park	RCP2	California,U.S.A.	33.7777N	118.1330W	-85	From 1985-03-22
Recreo	REC	Guatemala	14.4375N	90.5227W	1500	From 1975-04-01
Rector	U43A	Arkansas,U.S.A.	36.3693N	90.4057W	96	From 2011-07-21 to 2013-03-15
Rector, Farmersville	RCTC	California,U.S.A.	36.3052N	119.2438W	107	From 1999-10-11
Red Bluff	O02C	California,U.S.A.	40.1767N	122.7883W	962	From 2005-07-20 to 2007-10-11
Red Boiling Springs	U49A	Tennessee,U.S.A.	36.5129N	85.7796W	234	From 2012-05-22
Red Brook Ohio	RBOH	U.S.A.	41.8840N	80.8450W	187	From 2023-07-01 to 2599-12-31
Red Bud	R43A	Illinois,U.S.A.	38.2760N	89.9308W	186	From 2011-08-03 to 2013-04-28
Red Butte Canyon	RBU	Utah,U.S.A.	40.7808N	111.8080W	1676	From 1974-06-01
Redcliffs Borehole	RCBS	South Island,New Zealand	43.5579S	172.7327E	50	From 2013-01-29
Red Cone	RCO	Hawaii,U.S.A.	19.4060N	155.6298W	3601	
Red Cones	MRDM	California,U.S.A.	37.5978N	119.0587W	2657	
Reddig Ranch South, Frazer	B22A	Montana,U.S.A.	48.3008N	105.9964W	836	From 2008-09-14 to 2010-07-15
Redding Peak	LRDM	California,U.S.A.	40.4642N	121.4610W	859	From 1976-11-12
Red Dirt Ranch, Kanab	T15A	Utah,U.S.A.	37.0183N	112.3824W	1561	From 2007-02-14 to 2008-11-11
Red Dog Mine	RDOG	Alaska,U.S.A.	68.0541N	162.9080W	421	From 2009-06-20
Rede	A268A	Hungary	47.4313N	17.9238E	201	From 2016-02-02
Red Earth Creek	RDEA	Alberta,Canada	56.5513N	115.3179W	0	From 2011-06-08
Redenius Farm, Forest	J37A	Iowa,U.S.A.	43.3103N	93.5527W	385	From 2010-10-06 to 2012-09-10
Red Feather Lakes	N23A	Colorado,U.S.A.	40.8947N	105.9440W	2458	From 2008-07-05 to 2599-12-31
Redhead, NSW Australia	REDH	New South Wales,Australia	33.0197S	151.6975E	8	From 2011-01-01
Red Hill	RHT	Tennessee,U.S.A.	35.0781N	84.8825W	299	
Red Hills	RHJ	Jamaica	18.0707N	76.8540W	779	From 1993-11-01
Redig	RG-SD	South Dakota,U.S.A.	45.2164N	103.5347W	945	From 1965-10-25 to 1966-09-26
Redig	RG-	South Dakota,U.S.A.	45.2164N	103.5347W	945	From 1965-10-25 to 1966-09-26
Red Ives Forest Station, Avery	D12A	Idaho,U.S.A.	47.0528N	115.3525W	1135	From 2006-11-08 to 2009-07-21
Red Lake	RLKO	Ontario,Canada	51.0704N	93.7585W	362	From 2004-11-19
Red Lake	RDLO	Ontario,Canada	50.9745N	93.9124W	390	
Red Lake	RK-ON	Ontario,Canada	50.8389N	93.6722W	366	
Red Lake	RK-	Ontario,Canada	50.8389N	93.6722W	366	
Red Lake	RSON	Ontario,Canada	50.8589N	93.7022W	335	From 1982-01-01 to 1990-10-01
Red Lodge	YPRL	Montana,U.S.A.	45.1617N	109.3017W	1951	
Red Lodge	RLMT	Montana,U.S.A.	45.1221N	109.2673W	2086	From 2006-09-12
Red Mountain	RDMU	Utah,U.S.A.	40.5708N	109.5695W	2087	From 2009-12-02
Red Mountain	KRMB	California,U.S.A.	41.5230N	123.9080W	1265	
Red Mountain	REDWA	Washington,U.S.A.	46.2987N	119.4383W	366	
Red Mountain	KRMM	California,U.S.A.	41.5221N	123.9063W	1247	
Redondo Peak	REDP	New Mexico,U.S.A.	35.8711N	106.5630W	3417	From 1977-10-01
Redoubt	RDT	Alaska,U.S.A.	60.5738N	152.4060W	930	From 1971-08-09
Redoubt East 2	RDDR	Alaska,U.S.A.	60.5849N	152.5863W	905	
Redoubt East Flank	REF	Alaska,U.S.A.	60.4892N	152.7020W	1801	From 1990-03-14
Redoubt Jeurgen	RDJH	Alaska,U.S.A.	60.5911N	152.8036W	1414	
Redoubt North	RDN	Alaska,U.S.A.	60.5138N	152.7630W	1372	From 1988-01-01
Redoubt South	RDSO	Alaska,U.S.A.	60.4542N	152.7430W	1557	
Redoubt South	RSO	Alaska,U.S.A.	60.4622N	152.7540W	1921	From 1990-03-01
Redoubt South 1	RS1	Alaska,U.S.A.	60.4602N	152.7580W	1864	From 1990-09-10
Redoubt South 2	RS2	Alaska,U.S.A.	60.4630N	152.7573W	1953	From 1990-09-10
Redoubt Volcano	RED	Alaska,U.S.A.	60.4189N	152.7720W	1067	From 1974-01-01
Redoubt Vol. East	RDE	Alaska,U.S.A.	60.5869N	152.5925W	564	
Redoubt West	RDW	Alaska,U.S.A.	60.4827N	152.8100W	1813	From 1990-09-07
Redoubt West	RDWB	Alaska,U.S.A.	60.4881N	152.8402W	1546	
Red Ridge	RRI	Idaho,U.S.A.	43.3630N	111.3380W	2408	From 1985-07-20 to 1986-07-02
Red Ridge	RRI2	Idaho,U.S.A.	43.3474N	111.3201W	2558	From 1986-07-02
Red Rock Canyon	MRCM	California,U.S.A.	37.6737N	118.5071W	2023	From 1986-07-23
Red Rock Canyon	RRO	Oklahoma,U.S.A.	35.4569N	98.3584W	482	From 1978-08-09
Red Spur Mountain	RSUT	Utah,U.S.A.	41.6385N	111.4150W	2682	From 1979-10-01
Redstone	A23A	Montana,U.S.A.	48.9592N	104.8786W	665	From 2008-09-10 to 2010-07-14
Redstone River	E19K	Alaska,U.S.A.	67.4572N	157.2316W	441	From 2017-07-21
Red Top Meadow	REDW	Wyoming,U.S.A.	43.3624N	110.8520W	2192	From 1986-01-01
Redvale	R20A	Colorado,U.S.A.	38.1888N	108.3792W	2003	From 2008-01-05 to 2010-02-07
Redwood Retreat	JRRM	California,U.S.A.	37.0545N	121.7270W	408	From 1976-01-09
Reed	REKY	Kentucky,U.S.A.	37.8520N	87.3280W	0	
Reed City	I46A	Michigan,U.S.A.	43.9411N	85.4472W	359	From 2012-11-05
Reedsville	P55A	West Virginia,U.S.A.	39.5078N	79.8265W	551	From 2012-12-14
Reedy Creek 5	WRCQ	Queensland,Australia	27.1874S	152.6631E		From 1984-07-11
Reefton DOC Centre	RDCS	South Island,New Zealand	42.1197S	171.8644E	204	From 2002-02-25
Rees Ranch, Coalville	N16A	Utah,U.S.A.	40.8869N	111.4370W	2028	From 2007-07-10 to 2009-04-07
Reeves - Culberson Border	TPB13	Texas	31.5542N	103.8459W	956	From 2019-05-25
Refahiye, Erzincan	RFHY	Turkey	39.9270N	38.8330E	1851	From 2020-12-11
Refahiye_ERZNCAN	REFA	Turkey	39.9060N	38.7651E	1594	From 2010-10-27
Reffroy	RFYF	Champagne-Ardenne,France	48.6289N	5.4741E	330	From 2002-08-20
Refrontolo, Italy	MREF	Italy	45.9249N	12.2117E	268	From 2010-06-08
Refuge de Laus	LAUS	Italy	44.2509N	7.0466E	1962	From 2022-07-13
Refuge Malinvern	MALV	Italy	44.2204N	7.1846E	1899	From 2022-07-13
Refugio	RETU	Ecuador	1.4512S	78.4460W	4050	From 1994-12-02
Refugio Cayambe	CAYR	Ecuador	0.0153N	78.0066W	4868	
Refugio Guagua Pichincha	GGP	Ecuador	0.1743S	78.5947W	4420	From 1988-09-30
Refugio Sur-Volcn Chimborazo	CHSH	Ecuador	1.4939S	78.8693W	4476	From 2012-09-20
Refugio Volcn Tungurahua	BTUN	Ecuador	1.4517S	78.4419W	4050	From 2013-10-10
Regaby Place Court San Jose	C052	California,U.S.A.	37.2963N	121.8066W	50	From 2010-11-09
Regan	D28A	North Dakota,U.S.A.	47.1929N	100.5692W	621	From 2009-08-04 to 2011-06-29
Regar	REG*	Tajikistan	38.5000N	68.2333E		
Regar	RGR	Tajikistan	38.5000N	68.2333E		
Reggio Calabria	CRCA	Italy	38.1120N	15.6470E	30	From 2008-01-02

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Reggio Calabria	RCI	Italy	38.1056N	15.6433E	29	
Reggio Calabria	MRCB	Italy	38.1620N	15.7030E	500	From 1993-12-01
Reggio Calabria Protezione Civile	RCPC	Italy	38.0930N	15.6565E	98	From 2022-11-05
Reggio Calabria Universita	RCU	Italy	38.1214N	15.6662E	128	From 2003-01-28
Regione Marche - Palazzo Raffaello, Ancona	CMA14	Italy	43.6100N	13.5094E	60	From 2022-11-15
Region of Thessaloniki	PRF2	Greece	40.5927N	22.9556E	30	From 2010-08-01
Rehia	CRHA	Algeria,Algeria	35.7663N	7.6440E	957	
Reichold	RHA	Alabama,U.S.A.	33.2417N	87.4660W	83	From 1971-01-09
Reidovoe	REI	Sakhalinskaya Oblast',Russia	45.2667N	148.0167E		
Reims	RMSF	Champagne-Ardenne,France	49.2820N	4.0210E	110	From 2008-01-01
Rein	RISI	Italy	46.9480N	12.0787E	1785	From 2006-12-13
Reinach, Rainenweg	SRER	Switzerland	47.5116N	7.5979E	343	From 2011-04-01
Reinach, Reinacherhof	SRNR	Switzerland	47.5111N	7.6034E	341	From 1997-08-07
Reinberg	A011B	Austria	47.4086N	15.9587E	556	From 2016-06-29
Reindeer	RND	Alaska,U.S.A.	63.4062N	148.8530W	991	From 1986-01-01
Reinke Road, Clintonville	WI02	Wisconsin,U.S.A.	44.5961N	88.7696W	260	
Rekieta Farm, Paducah	Y31A	Texas,U.S.A.	33.9620N	100.2615W	530	From 2009-03-16 to 2011-02-12
Reko	RKS	Solomon Islands,Papua New Guinea	9.1564S	159.8080E		
Relizane	RLA	Algeria	35.5833N	0.5833E	180	
Relizane	REL	Algeria	35.7500N	0.5500E	75	From 1955-01-01 to 1961-12-31
Rembrandt	REMW	Washington,U.S.A.	46.1992N	122.1840W	2102	From 1987-01-01
Remedios, Chiriqui	REME3	Panama	8.2270N	81.8320W	76	From 2010-01-01
Remedios, Chiriqu	RMDIO	Panama	8.2270N	81.8310W	42	
Remer	D35A	Minnesota,U.S.A.	47.0810N	94.0529W	427	From 2010-08-27 to 2012-07-30
Remote	RON	Alaska,U.S.A.	62.6912N	150.2040W	470	From 1971-08-01 to 1974-10-31
Remote	REM	Alaska,U.S.A.	65.9550N	164.5780W	300	
Remsen	J58A	New York,U.S.A.	43.3603N	75.2852W	436	From 2013-08-27
Renai	CHGB	Taiwan region	24.0602N	121.1740E	1850	From 2005-08-02
Renai	WUSB	Taiwan region	23.9919N	121.1175E	1152	From 2013-01-28
Renai	OWD	Taiwan region	23.9545N	121.1759E	1263	From 2011-12-22
Renca	MT05	Metropolitana	33.3919S	70.7381W	765	From 2013-10-21
Rende Municipio	RNMU	Italy	39.3471N	16.2439E	190	From 2023-12-12
Rende Protezione Civile	RNPC	Italy	39.3334N	16.2430E	197	From 2023-12-12
Rendezvous	MBRV	Montserrat	16.8113N	62.1961W	231	
Renegade Can. W	WRCM	California,U.S.A.	35.9502N	117.6470W	954	From 1975-09-26
Renegade Canyon West	RCWM	California,U.S.A.	35.9502N	117.6470W	954	From 1975-09-26
Rengat	RGRI	Sumatera,Indonesia	0.3491S	102.3338E	41	From 2005-01-01
Renmark High School	AURMK	South Australia,Australia	34.1700S	140.7400E	26	From 2013-08-11
Rennes	RENF	Bretagne,France	48.1190N	1.6350W	40	
Reno	REN	Nevada,U.S.A.	39.5400N	119.8130W	1383	From 1911-01-01 to 1975-02-28
Reno Superiore	RSP	Italy	45.1482N	7.2653E	1285	From 1986-01-01
Rentapao	RTV	Vanuatu	17.7925S	168.4250E		
Renzetti	ATRE	Italy	43.5461N	12.2639E	462	From 2013-09-17
Reporoa College	RPCS	North Island,New Zealand	38.4380S	176.3438E	308	From 2002-06-24
Represo Algodones	CNALG	Baja California	32.6808N	114.7500W	37	
Repton	349A	Alabama,U.S.A.	31.3504N	87.1924W	88	From 2012-01-20
Repubblica di San Marino	RSM	San Marino	43.9303N	12.4497E	645	From 1988-01-01
Republican Road	RRRZ	North Island,New Zealand	38.3390S	176.5146E	493	From 2007-12-10
Resadiye-TOKAT	RSDY	Turkey	40.3972N	37.3273E	550	From 2007-06-13
Resana (TV)	A302A	Italia	45.6335N	11.9713E	26	From 2015-10-30
Research School of Earth Sciences	AUSIS	Australian Capital Territory,Australia	35.2800S	149.1100E	585	From 2011-05-04
Reserva El Tigre	RETI	Costa Rica	10.0113N	83.5457W	493	From 2021-10-19
Reserva Natural Don Carmelo	DOCA	San Juan	30.9492S	69.0827W	3133	From 2017-03-31
Reservoir Flats	RFM	Montana,U.S.A.	46.1047N	112.4870W	2353	From 1984-01-01 to 1987-11-13
Reservoir Mazembroz, Wallis, VS	FULLY	Switzerland	46.1563N	7.1358E	603	From 2018-06-28
Resinera	RESI	Spain	36.8732N	3.0700W	1322	
Resita	RSTR	Romania	45.2987N	21.8751E	257	From 2019-03-11
Resolute Bay	RES	Northwest Territories,Canada	74.6867N	94.9000W	15	
Resolution Island	RLNS	South Island,New Zealand	45.6876S	166.6859E	1070	From 2017-05-24
Restauracion	REDR	Dominican Republic	19.1660N	71.3941W	55	From 2014-06-21
Restoule Provincial Park	RSPO	Ontario,Canada	46.0734N	79.7602W	264	
Resuttano	RESU	Italy	37.6468N	14.0568E	785	From 2008-02-25
Retalhuleu	RTAL	Guatemala	14.5246N	91.6949W	205	
Retamim	RTAM	Israel	31.0480N	34.6770E	259	From 1986-01-01 to 1987-10-31
Retamim	RTMI	Israel	31.0545N	34.6912E	261	From 2006-09-04
Retamin	RTMM	Israel	31.0510N	34.6863E	255	
Rethem	RETHO	Germany	52.7382N	9.3607E	20	From 2012-09-30
Rethem/Aller, Germany	RETH	Niedersachsen,Germany	52.7379N	9.3611E	-325	From 2012-06-01
Rethymno-Limin	RTHF	Greece	35.3668N	24.4835E	0	
Rethymnon	RTH1	Crete,Greece	35.3653N	24.4717E	35	From 2010-10-01
Retiro	CHUE	Maule,Chile	36.0897S	71.7983W	161	
Retrosi-1	MZ25	Italy	42.6232N	13.3192E	1009	From 2016-10-11 to 2016-11-22
Retrosi-2	MZ26	Italy	42.6236N	13.3164E	983	From 2016-10-11 to 2016-11-22
Reunion Island	REU	Reunion,France	21.1950S	55.5772E	1550	From 1968-05-03
Reus	REUS	Spain	41.1348N	1.1859E	48	From 2011-05-06
Reutlingen	REUL	Baden-Wurttemberg	48.4934N	9.2242E	390	From 2016-10-01
Reutte	RETA	Austria	47.4871N	10.7623E	965	From 2006-12-13
Reveille Range	RVE	Nevada,U.S.A.	38.0197N	116.1920W	2290	From 1979-06-08 to 1981-12-31
Revenden	U42A	Arkansas,U.S.A.	36.3514N	91.2383W	119	From 2011-06-21 to 2013-03-13
Reventador Sur	REVS	Ecuador	0.1053S	77.6201W	2000	From 2013-03-13
Reventador volcano	EPALM	Ecuador	0.2133S	77.7292W	1761	From 2002-11-21
Reventazn, Hacienda Colima	RVHC	Costa Rica	9.9849N	83.6363W	768	From 2019-10-08
Revere	REVF	Provence-Cote d'Azur,France	43.7400N	7.3675E	700	From 1988-04-08
Reverse DX Ranch, Oshkosh	M27A	Nebraska,U.S.A.	41.5281N	102.3872W	1147	From 2008-12-05 to 2010-10-10
Revivim	REVI	Israel	31.0405N	34.7200E	273	From 2010-06-16
Revivim	RVVM	Israel	31.0410N	34.7210E	200	
Rev-Rev Volc	REVE	Ecuador	0.0420S	77.5235W	1440	From 2002-04-04 to 2003-04-01
REWA	REW	Madhya Pradesh,India	24.5658N	81.3354E	280	From 2000-06-04
Rexburg	REX	Idaho,U.S.A.	43.8125N	111.7830W	1532	From 1972-04-20
Rexford	RXF	Montana,U.S.A.	48.8648N	115.1240W	1231	From 1976-10-01 to 2004-03-11
Reyes Peak	RYS	California,U.S.A.	34.6433N	119.3510W	1841	From 1976-06-01
Reyhanli	REYT	Turkey	36.2500N	36.6000E	230	From 1998-03-01
Reykjanes	IRNE	Iceland	63.8168N	22.7056W	19	From 2008-06-19
Reykjavik	REY	Iceland	64.1278N	21.9050W	44	
Reynihlio	IREN	Iceland	65.6470N	16.9060W	338	From 1996-11-03
Rhampton Hrock	RK1	Queensland,Australia	23.3886S	150.4938E	87	
Rhampton Srock	RK2	Queensland,Australia	23.3825S	150.5248E	40	
Rheinberg	BRHE	Nordrhein-Westfalen,Germany	51.5155N	6.5710E	24	From 2004-12-01
Rheinfelden, Werkhof, AG	SRFW	Switzerland	47.5532N	7.8068E	297	From 2017-05-08
Rheinpreussen Mine	RPM	Nordrhein-Westfalen,Germany	51.4723N	6.6343E	-412	
Rhenigidale	RRH	Scotland,United Kingdom	57.9197N	6.6882W	103	From 1995-09-10
Rhens	RHEN	Rheinland-Pfalz	50.2901N	7.5927E	168	From 2023-12-21
Rhiw	YRH	Wales,United Kingdom	52.8335N	4.6290W	300	From 1984-01-01
Rhoboro Hills	RHP	South Island,New Zealand	44.0991S	170.0839E	899	From 1978-04-24 to 1983-11-21
Rhoda Avenue Oakland	C020	California,U.S.A.	37.8008N	122.2075W	74	From 2009-07-08
Rhodes	RHO	Greece	36.4372N	28.2236E	45	From 1965-11-18 to 1966-04-04
Rhodes College	RDST	Tennessee,U.S.A.	35.1578N	89.9886W	79	
Rhodes Hospital	RPN1	Greece	36.4486N	28.2180E	14	From 2012-08-01
Rhodes Town Hall	RDI1	Greece	36.4514N	28.2240E	6	From 2012-08-01
Rhonegletscher, north of the glacier lake, VS	RA42	Switzerland	46.5874N	8.3829E	2344	From 2017-08-31
Rhonegletscher, north of the glacier lake, VS	RA43	Switzerland	46.5857N	8.3832E	2320	From 2017-08-31
Rhonegletscher, Obergoms, Schweiz	RA51	Switzerland	46.5979N	8.3832E	2447	From 2017-04-29
Rhonegletscher, Obergoms, Schweiz	RA52	Switzerland	46.5976N	8.3805E	2447	From 2017-04-29
Rhonegletscher, Obergoms, Schweiz	RA53	Switzerland	46.5962N	8.3822E	2447	From 2017-04-29
Rhonegletscher, RA01, VS	RA01	Switzerland	46.5869N	8.3894E	2326	From 2012-08-29 to 2012-10-02
Rhonegletscher, RA02, VS	RA02	Switzerland	46.5878N	8.3870E	2348	From 2012-08-29 to 2012-10-02
Rhonegletscher, RA03, VS	RA03	Switzerland	46.5865N	8.3854E	2327	From 2012-08-29 to 2012-10-02
Rhonegletscher, RA04, VS	RA04	Switzerland	46.5856N	8.3883E	2320	From 2012-08-30 to 2012-10-02
Rhonegletscher, RA05, VS	RA05	Switzerland	46.5855N	8.3890E	2317	From 2012-08-30 to 2012-10-02
Rhonegletscher, RA06, VS	RA06	Switzerland	46.5864N	8.3914E	2314	From 2012-08-30 to 2012-10-02
Rhonegletscher, RA07, VS	RA07	Switzerland	46.5891N	8.3888E	2352	From 2012-08-29 to 2012-10-02
Rhonegletscher, RA08, VS	RA08	Switzerland	46.5883N	8.3845E	2366	From 2012-08-30 to 2012-10-02
Rhonegletscher, RA09, VS	RA09	Switzerland	46.5844N	8.3848E	2285	From 2012-08-30 to 2012-10-02
Rhonegletscher, RA10, VS	RA10	Switzerland	46.5838N	8.3889E	2293	From 2012-08-30 to 2012-10-02
Rhonegletscher, RA11, VS	RA11	Switzerland	46.5850N	8.3906E	2307	From 2012-05-04 to 2013-07-25
Rhonegletscher, RA12, VS	RA12	Switzerland	46.5878N	8.3870E	2349	From 2012-05-04 to 2013-07-25
Rhonegletscher, RA13, VS	RA13	Switzerland	46.5836N	8.3865E	2280	From 2012-05-04 to 2013-07-25
Rhonegletscher, RA14, VS	RA14	Switzerland	46.5863N	8.3833E	2336	From 2012-08-29 to 2012-10-02
Rhonegletscher, west of Gross Furkahorn, VS	RA41	Switzerland	46.5920N	8.3886E	2384	From 2017-08-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Rhoscolyn	YRC	Wales,United Kingdom	53.2506N	4.5741W	24	From 1984-01-01
RHT01	RHT01	Saudi Arabia	24.2734N	39.8051E	987	
RHT02	RHT02	Saudi Arabia	24.4842N	40.0862E	785	
RHT03	RHT03	Saudi Arabia	24.2471N	40.1718E	815	
RHT04	RHT04	Saudi Arabia	23.9930N	39.8780E	1130	
RHT05	RHT05	Saudi Arabia	23.9090N	39.1610E	544	
RHT06	RHT06	Saudi Arabia	24.3765N	39.1923E	787	
RHT07	RHT07	Saudi Arabia	24.6658N	39.0403E	799	
RHT08	RHT08	Saudi Arabia	24.7095N	39.5433E	781	
RHT09	RHT09	Saudi Arabia	24.7845N	39.9147E	1049	
RHT10	RHT10	Saudi Arabia	24.5800N	39.9030E	868	
RHT11	RHT11	Saudi Arabia	24.9160N	39.6910E	1071	
RHT13	RHT13	Saudi Arabia	24.2080N	39.3650E	939	
RHT14	RHT14	Saudi Arabia	24.3860N	39.7570E	820	
RHT15	RHT15	Saudi Arabia	24.1730N	39.8390E	1037	
RHT16	RHT16	Saudi Arabia	23.4706N	40.1735E	1136	
RHT17	RHT17	Saudi Arabia	23.6830N	39.8980E	1011	
RHT18	RHT18	Saudi Arabia	23.8630N	40.1750E	933	
RHT19	RHT19	Saudi Arabia	23.2400N	39.8110E	782	
RHT20	RHT20	Saudi Arabia	23.2150N	40.3730E	986	
RHWAS	RHWAS	Saudi Arabia	19.0708N	44.0707E	1327	
Riachuelo	RCBR	Rio Grande do Norte,Brazil	5.8275S	35.9014W	420	
Riaille - 44144 - Loire-Atlantique - France	RIAF	Pays de la Loire	47.5067N	1.3134W	12	From 2021-02-15
Riallon	OG20	Provence-Cote d'Azur,France	44.6133N	6.3312E	1570	From 1989-01-17
Ribas do Rio Pardo (Brazil)	RPRD	Brazil	20.4808S	53.7008W	343	From 2016-06-30
Ribeira	RIBE	Azores	38.6222N	28.7290W	280	
Ribeira Ch	PRCH	Azores,Portugal	37.7280N	25.4800W	225	From 2003-01-01
Ribeira da Areia	RIA0	Azores,Portugal	38.6597N	28.0394W	420	From 1981-07-01
Ribeira da Areia	RIA	Azores,Portugal	38.6597N	28.0394W	420	From 1981-07-01
Ribeira Grande	PRIG	Azores	37.8145N	25.5277W	34	From 2016-04-11
Ribeirinha	PID	Azores,Portugal	38.4422N	28.1192W	450	
Ribeirinha	RIB2	Azores,Portugal	38.6715N	27.1731W	387	From 1983-10-01
Ribeirinha	PRIB2	Azores	38.5931N	28.6130W	113	From 2016-04-06
Ribeirinha	RIB	Azores,Portugal	37.7995N	25.4611W	526	
Riberalta	RTA	Bolivia	11.0067S	66.0783W	175	
Rib Lake	RL-	Wisconsin,U.S.A.	45.3081N	90.0986W	472	From 1963-04-10 to 1963-05-13
Rib Lake	RL-WS	Wisconsin,U.S.A.	45.3081N	90.0986W	472	From 1963-04-10 to 1963-05-13
Rib Lake	G40A	Wisconsin,U.S.A.	45.2684N	90.2006W	472	From 2011-08-19 to 2013-11-27
Ribolla Roccastrada	RIBO	Italy	42.9490N	11.0465E	-140	From 2017-05-26
Ricadi	RICA	Italy	38.6240N	15.8602E	240	From 2023-12-13
Riccarton High School	RHSC	South Island,New Zealand	43.5362S	172.5644E	17	From 2008-05-07
RICCIA	RIC12	Italia	41.4864N	14.8362E	700	From 2017-05-15
Rice	B09A	Washington,U.S.A.	48.4226N	118.1488W	630	From 2006-09-01 to 2008-06-13
Rice Lake	RLW	Wisconsin,U.S.A.	45.6597N	91.5594W		
Riceville	RCT	Tennessee,U.S.A.	35.3453N	84.6614W	265	
Richard	RICC	Czech Republic	50.5439N	14.0978E	230	From 2016-05-03
Richard P. Wilkes	ARWM	California,U.S.A.	38.9563N	121.1620W	320	From 1976-01-29
Richfield	PEUT	Utah,U.S.A.	38.7759N	112.0886W	1644	From 2008-05-28
Richland	RCW	Washington,U.S.A.	46.3472N	119.2740W	390	
Richland Balsam	RBNC	North Carolina,U.S.A.	35.3570N	82.9860W	1829	From 1982-05-26
Richland Creek Farm, El Dorado	Z41A	Arkansas,U.S.A.	33.2577N	92.8030W	62	From 2011-03-10
Richland Springs	333A	Texas,U.S.A.	31.3249N	98.9841W	443	From 2009-11-13 to 2011-10-02
Richmond	LRN	England,United Kingdom	54.4167N	1.7858W	300	From 1991-01-01
Richmond	S50A	Kentucky,U.S.A.	37.6790N	84.4003W	300	From 2012-06-05
Richmond	RIC	Florida,U.S.A.	25.6167N	80.4167W		
Richmond Field	RFSB	California,U.S.A.	37.9161N	122.3361W	-118	
Richmond Hill, Kingstown	SVOC	St Vincent	13.1534N	61.2212W	30	From 2014-10-18
Richmond-San Rafael Bridge	RSRB	California,U.S.A.	37.9357N	122.4465W	-157	
Rich Mountain	RICH	North Carolina,U.S.A.	35.9195N	82.8187W	968	From 1983-06-19 to 2008-02-13
Richton	RI-MS	Mississippi,U.S.A.	31.1978N	88.8508W	37	
Richville	H57A	New York,U.S.A.	44.4624N	75.3905W	132	From 2013-08-25
Ricice	RICI	Croatia	43.4944N	17.1330E	431	From 2009-04-21
Rickey Ranch	ARRM	California,U.S.A.	38.7653N	121.1720W	127	From 1976-12-02
Ridgeland	G38A	Wisconsin,U.S.A.	45.1693N	91.8549W	370	From 2011-08-14 to 2013-06-06
Ridgley Place, Grand Junction	Q20A	Colorado,U.S.A.	38.9541N	108.2956W	1716	From 2007-11-30 to 2010-02-07
Ridgway	RW1	Colorado,U.S.A.	38.2587N	107.7890W	2443	From 1983-01-01
Ridgway	RW2	Colorado,U.S.A.	38.3080N	107.7270W	2405	From 1983-01-01
Ridgway	RW3	Colorado,U.S.A.	38.2502N	107.6870W	2603	From 1983-01-01
Ridgway	RW4	Colorado,U.S.A.	38.1568N	107.6160W	2739	From 1983-01-01
Ridgway	RW5	Colorado,U.S.A.	38.0800N	107.8320W	2991	From 1983-01-01
Ridgway	RW6	Colorado,U.S.A.	38.2023N	107.9340W	3063	From 1983-01-01
Ridgway	M55A	Pennsylvania,U.S.A.	41.4686N	78.7649W	531	From 2013-01-26
Ridotti (Balsorano, AQ)	T0205	Italy	41.7954N	13.6045E	690	From 2009-10-08 to 2010-01-14
Riehen 2 (BS)	RIEH2	Switzerland	47.5936N	7.6581E	-642	From 2006-10-01 to 2007-07-12
Riehen-Baumlih	SRHB	Switzerland	47.5713N	7.6244E	260	From 1996-12-13
Riehen, Erlenstrsschen, BS	SRHE	Switzerland	47.5856N	7.6494E	281	From 2013-11-01
Riehen, Zur Hoffnung, BS	SRHH	Switzerland	47.5798N	7.6538E	323	From 2013-11-01
Riekki	KU6	Finland	66.0255N	29.8907E	275	From 2006-10-06
Riesel	336A	Texas,U.S.A.	31.3870N	96.8443W	140	From 2010-02-17 to 2011-12-18
RIETI	RTI	Italy	42.4302N	12.8290E	393	From 2009-09-18
Rieti Museo	RIEM	Italy	42.4011N	12.8597E	446	From 2019-12-10
Rieti Provincia	RIEP	Italy	42.3983N	12.8620E	460	From 2019-12-11
RIETI VAZIA	RIEV	Italia	42.4341N	12.9129E	518	From 2020-03-06
Rifaina	RIFB	Sao Paulo,Brazil	20.0737S	47.5019W	860	From 1993-01-01
Rifle, N10	NCR10	Colorado	39.4818N	107.8794W	1648	
Rifugio Sapienza	ERSA	Sicily,Italy	37.6987N	14.9943E	1880	From 1994-10-01
Rigaud	RIGQ	Quebec	45.4469N	74.2581W	149	From 2019-02-02
Right Bank House--Pihur	RBH	Pakistan	34.0705N	72.6705E	364	
Rignano Garganico (FG) Italy	OT06	Italy	41.6855N	15.5944E	584	From 2013-04-15
Rignano Grg	RGNG	Italy	41.6742N	15.5864E	587	
Rihia Road	RITZ	North Island,New Zealand	38.9771S	175.8585E	525	From 2003-04-04
Riito	RII	Baja California,Mexico	32.1640N	114.9603W	15	From 1977-02-01
Riito, ESR	ESRMX	Sonora	32.1790N	114.9270W	10	
Riito Sonora	RITX	Sonora	32.1659N	114.9610W	18	From 2015-06-17
Rijeka	RIY	Croatia	45.3250N	14.4830E	190	From 1989-05-04
Rikitea	RKT	Gambier Islands,France	23.1197S	134.9733W	50	
Rilland Hill	SRH	St Vincent,Saint Vincent and the Grenadines	13.1860N	61.2540W	274	
Rim	RIM	Hawaii,U.S.A.	19.3953N	155.2740W	1128	From 1973-05-01
Rimini	T1711	Italy	44.0022N	12.5961E	67	From 2022-11-09
Rimini Protezione Civile	RINI	Italy	44.0577N	12.5382E	15	From 2022-11-10
Rimouski	RISQ	Quebec	48.4533N	68.5127W	66	From 2020-03-11
Rimouski	RIMQ	Quebec,Canada	48.4400N	68.4800W	129	From 1984-08-22
Rimrock	RMR	California,U.S.A.	34.2128N	116.5750W	1702	
Rimrock Valley Reservoir, Modoc Natn. Forest, Mulkey Prairie California	RIMR	California	41.8210N	120.5929W	1579	From 2021-06-01
Rimuhau	RIGZ	North Island,New Zealand	38.7058S	177.7622E	563	From 2009-01-01
Rinconada Maipu	RCDM	Santiago,Chile	33.4892S	70.8064W	487	
Rincon del Tigre	BBRT	Bolivia	18.2006S	58.2111W	280	From 2018-11-04 to 2099-12-12
Rincon, Osa	RIOS	Costa Rica	8.7005N	83.5144W	81	From 2008-01-01
Rincon, Puerto Rico	ROPR	Puerto Rico	18.3400N	67.2500W	11	From 2015-01-01
Rio	RIOA	Greece	38.2959N	21.7912E	46	
Riobamba	RIOE	Ecuador	1.7525S	78.6308W	2733	From 2007-01-01
Riobamba	RIOE1	Ecuador	1.7482S	78.6274W	2733	From 2006-01-20
Riobamba	ARIO	Ecuador	1.6549S	78.6976W	2890	From 2011-06-14
Rioblanco	SOTA	Colombia	2.1350N	76.6080W	3795	
Rio Blanco	RBC	Colorado,U.S.A.	39.8425N	108.3920W	1996	From 1973-01-01 to 1973-12-31
Rio Blanco, N07	NCR07	Colorado	39.6714N	107.9030W	2052	
Rio Branco	RIOB	Acre,Brazil	10.1501S	67.7470W	220	
Ro Branco	RBCL	Uruguay	32.6060S	53.4061W	14	From 2021-11-20
Rio Branco AC	RBRC	Acre	9.9582S	67.8790W	168	From 2017-11-15
RIO BUCHE	BUCE	Ecuador	0.6366N	79.8800W	45	From 2016-04-20
Rio Carpintero	RCC	Cuba	19.9942N	75.6958W	100	From 1965-07-25
Rio Claro- Sao Paulo-Brazil	RCLB	Sao Paulo,Brazil	22.4191S	47.5310W	658	From 2002-08-31
Ro Cuarto de Alajuela	ARTO	Costa Rica	10.3430N	84.2160W	431	
Rio de Janeiro	RDJ	Rio de Janeiro,Brazil	22.8950S	43.2233W	29	
Rio de Jesus, Veraguas	RSUS3	Panama	7.9830N	81.1600W	95	From 2010-01-01
Rio Formoso - PE	NBRFO	Rio Grande do Norte	8.7149S	35.0978W	3	From 2021-11-04
Rio Formoso - PE	NBRF	Pernambuco,Brazil	8.6795S	35.1272W	56	From 2011-08-02 to 2017-12-05
Rio Frio	RFVM	Mexico D.F.,Mexico	19.3332N	98.7617W	3105	
Rio Frio, Sarapiqui, Heredia	RIFO	Costa Rica	10.3172N	83.9228W	139	From 2010-04-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Rio Grande	RIOV	Venezuela	8.0690N	61.8140W	279	From 2002-11-06
Rio Grant	RIO	New Mexico,U.S.A.	35.7547N	106.1760W	2073	From 1975-02-21 to 1976-09-17
Rio Hardy	RHX	Baja California	32.1350N	115.2840W	18	From 2014-06-12
Rio Hardy	RHM	Sonora,Mexico	32.1422N	115.2860W	10	From 1969-02-16
Riolos of Patras	RLS	Greece	38.0578N	21.4667E	100	From 1976-07-15
Rio Macho	RMCR	Costa Rica	9.7845N	83.8572W	1420	
Rio Macho	RIMA	Costa Rica	9.7666N	83.8636W	1665	From 2012-01-01
Rio Naranjo	MOTZ	Costa Rica,Costa Rica	10.6857N	85.0723W	498	
RIONERO IN VULTURE	RNV2	Italy	40.9283N	15.6690E	683	From 2009-12-22
RIONERO IN VULTURE	RVT	Italy	40.9315N	15.6741E	725	From 2007-05-07
Rionero Sannitico	RNI2	Italy	41.7025N	14.1525E	970	
Ro Olivares	MT04	Metropolitana	33.4050S	70.1370W	2082	From 2016-08-01
Rio Pakava, Sulawesi Tengah	RDCM	Indonesia	1.2955S	119.5525E	44	From 2019-01-01
Rio Patras	PAT5	Greece	38.2960N	21.7350E	40	From 2011-09-01
Rio Piedras	ERIP	Spain	37.3729N	7.2551W	82	From 1995-11-22
Rio Saliceto (MN)	T0826	Italy	44.8394N	10.8113E	12	From 2012-05-29 to 2012-08-09
Rio Sereno	RSRNO	Panama	8.8170N	82.8610W	964	
Rio Tinto	TINT	Spain	37.7667N	6.6333W		
Riou	RIU	Alaska,U.S.A.	59.8783N	141.2280W	15	
Rio Verde	RPIG	Mexico D.F.	21.8849N	99.9828W	1008	From 2014-05-14
Rio Verde	RVRD	Ecuador	1.0676N	79.3851W	47	From 2008-11-28
Rio Verde (Brazil)	RVDE	Brazil	19.0286S	54.9389W	470	From 2016-06-26
Rio Verde do Mato Grosso - MS	RVMB	Mato Grosso,Brazil	19.1912S	54.8532W	506	From 2011-09-24
Rio Vista Mine	RVM	California,U.S.A.	34.1803N	114.2000W	243	From 1977-05-01
Ripe San Ginesio	MRSG	Italy	43.1350N	13.3649E	471	
Ripoll, Girona	EXRIP	Spain	42.2000N	2.1886E	687	From 2019-11-20
Riposto (CT)	FX08	Italy	37.7352N	15.2006E	13	From 2021-12-22 to 2023-02-02
Risco	RSCM	Missouri,U.S.A.	36.5679N	89.7731W	82	
Rishiri	JRR	Soya,Japan	45.1378N	141.3112E	27	
Rising Star	233A	Texas,U.S.A.	32.0179N	98.8998W	539	From 2009-11-18 to 2011-10-01
Rita Blanca	RTBA	Texas,U.S.A.	36.4380N	102.7374W	1284	From 2017-08-10
Rita Coyotepec	IIC	Mexico D.F.,Mexico	19.7670N	99.2580W	2725	
Rita Site, White Sands Missle Range	Z23A	New Mexico,U.S.A.	33.2621N	106.2319W	1278	From 2008-05-14 to 2010-01-19
Rivas	ARIN	Rivas,Nicaragua	11.4544N	85.8351W	71	From 2014-05-14
Rivas	BUS1	Costa Rica,Costa Rica	9.5540N	83.7472W	3506	
Rivas	CARN	Nicaragua,Nicaragua	11.1872N	85.5222W	64	From 2018-10-12
Rivergaro	RVRO	Italy	44.9044N	9.5981E	237	
Riverhead Borehole	RVAZ	North Island,New Zealand	36.7700S	174.5792E	-191	From 2008-04-01
Riveris	RIVT	Rheinland-Pfalz,Germany	49.7071N	6.7638E	274	
River Road, Clintonville	WI04	Wisconsin,U.S.A.	44.6331N	88.7867W	247	
Riverside	RVR	California,U.S.A.	33.9933N	117.3750W	260	From 1926-10-19
Riverside	RVUT	Utah,U.S.A.	41.8383N	112.2590W	1951	From 1979-09-01 to 1980-10-31
Riverside Borehole	RSBC	California,U.S.A.	33.9731N	117.3272W	297	
Riverside Mountains	RVS	California,U.S.A.	34.0347N	114.5180W	677	From 1974-04-01
Riverside, N20	NCR20	Colorado	38.9177N	106.1876W	2570	
Riverview	RIV	New South Wales,Australia	33.8294S	151.1580E	25	From 1909-01-01
Rives	HATM	Tennessee	36.2792N	89.0733W	81	From 1991-10-10
Rives	RNEM	Tennessee	36.3605N	89.0411W	85	From 1989-12-16 to 1990-03-20
Rives	LCBT	Tennessee	36.3110N	89.0640W	85	From 1989-10-25 to 1989-12-16
Rives	RFHT	Tennessee	36.2930N	89.0448W	87	From 1989-10-18 to 1990-03-02
Rives	HNHM	Tennessee	36.3413N	89.0715W	84	From 1989-12-13 to 1990-06-27
Rives	MOGT	Tennessee	36.3213N	89.0208W	87	From 1989-10-25 to 1989-12-19
Riviere de l'Est	RER	Reunion,France	21.1590S	55.7460E	834	From 1986-02-10
Riviere-du-Loop	RDLQ	Quebec,Canada	47.8400N	69.5400W	55	From 1980-08-19
Riviere Ouelle	A16	Quebec,Canada	47.4706N	70.0064W	15	From 1977-08-30
Riviere-Ouelle	ROUQ	Quebec,Canada	47.4800N	70.0000W	26	From 1984-08-28
Rivodutri	URVD	Italy	42.4953N	12.8470E	379	From 2010-09-10
Riyadh	RYD	Saudi Arabia	24.7200N	46.6100E	649	From 1986-01-01
Riyadh	RYDS	Saudi Arabia	24.1900N	46.6400E	594	From 2001-06-25
Riyadh - temporary	RIYDT	,Saudi Arabia	24.7220N	46.6430E	717	
Riza	RIZA	Greece	38.3593N	21.7043E	-212	From 2013-06-20
Rize	IZDR	Turkey	40.7858N	40.5616E	793	From 2017-03-10
Rjupnafell	IRJU	Iceland	63.6174N	18.6721W	173	From 2010-12-16
RKJ Ranch, Bemidji	C34A	Minnesota,U.S.A.	47.6501N	94.9106W	441	From 2010-10-20 to 2012-07-29
Roach Canyon	PRCM	California,U.S.A.	36.2562N	120.6200W	623	
Road 258 - Hatrurim Junction	HTRR	Israel	31.1872N	35.2413E	215	From 2018-11-15
Road 90 - Yafruk	YFRK	Israel	30.1997N	35.1308E	250	From 2018-12-03
Road Camp	RODE	Ethiopia	12.8415N	40.9826E	47	
Roan Cliffs	ROA	Utah,U.S.A.	39.6615N	110.3647W	2962	
Roatan	ROTH	Islas de la Bahia,Honduras	16.3938N	86.3559W	19	From 2016-01-01
Roa, TCK	TCKMX	Baja California	32.4800N	115.4250W	8	
Robe	ROBE	South Australia,Australia	37.1471S	139.8742E	10	From 2012-12-11
Robert and Kassanda Mosher, Grygla	B33A	Minnesota,U.S.A.	48.2722N	95.5880W	362	From 2010-10-22 to 2012-06-09
Robert W. Jensen	ARJM	California,U.S.A.	38.6865N	120.9560W	460	From 1976-12-02
Robesonia	O59A	Pennsylvania,U.S.A.	40.3114N	76.1859W	334	From 2013-04-28
Robets Cordova Ranch, Walsenberg	S25A	Colorado,U.S.A.	37.6606N	104.4349W	1821	From 2008-06-12 to 2010-04-18
Robic	ROBS	Slovenia	46.2445N	13.5094E	265	
ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT		Juan Fernandez Islands,Chile	33.6538S	78.7960W	388	From 2004-04-24
Robinson Place, Fruitland	O17A	Utah,U.S.A.	40.1948N	110.7378W	2079	From 2007-08-15 to 2009-04-10
Robinsons Bay	BNK1	South Island	43.7441S	172.9912E	536	
Robledal	RBDL	El Salvador	14.1130N	89.6865W	1431	
Roble, Puntarenas	ROBF	Costa Rica	9.9800N	84.7370W	33	
Robore, Bolivia	BBRB	Bolivia	18.2780S	59.8087W	376	From 2016-08-30
Robourent	ROB	Italy	44.2958N	7.8863E	810	From 1967-01-01
Rob Roy	ROYM	Victoria,Australia	37.6399S	145.2885E	180	
Roby	131A	Texas,U.S.A.	32.6737N	100.3888W	622	From 2009-03-14 to 2011-02-09
ROCAFUERTE 2	ROCA	Ecuador	0.9271S	80.4469W	38	From 2016-05-16
ROCAFUERTE, CENTRO DE SALUD	AROC	Ecuador	0.9310S	80.4490W	38	From 2016-04-19
Rocca di Cave	RCAV	Italia	41.8473N	12.9453E	940	From 2014-12-11
Rocca di Mezzo	RM04	Italy	42.1885N	13.4515E	1109	From 2009-04-06 to 2009-04-22
Rocca di Montemonaco, Italy	SIB2	Italy	42.8913N	13.3037E	778	From 2021-10-20
Rocca di Papa	RDP	Italy	41.7583N	12.7167E	760	From 1983-01-01
Roccafluvione, Frazione Osoli (AP)	T1241	Italy	42.8563N	13.4312E	663	From 2016-08-24 to 2017-07-06
Roccamonfina	RFI	Italy	41.3006N	13.9847E	780	From 1988-05-01
Roccapalumba	RPBA	Italia	37.8043N	13.6378E	525	From 2023-08-21
Rocca Remolon	RRL	Italy	44.9208N	6.7908E	2130	From 1985-01-01
Roccaromana	RMI2	Italy	41.2528N	14.2636E	702	
Rocca Rossa	RORO	Italy	44.1122N	8.0662E	260	From 1998-07-01
Rocca San Felice	RSF3	Italy	40.9643N	15.1760E	865	
Rocca Santa Maria, Frazione Ceppo (TE)	T1243	Italy	42.6966N	13.4484E	1119	From 2016-08-24 to 2017-02-19
Roccetta Nervino	RONM	Italy	43.8763N	7.5982E	300	From 2001-01-01
Rocchetta	MZ24	Italy	42.6552N	13.2885E	912	From 2016-10-10 to 2016-11-22
Rocchetta Sant'Antonio	RSA3	Italy	41.0877N	15.4425E	531	
Rocchetta Tanaro	ROTM	Italy	44.8493N	8.3527E	221	From 2001-01-01
Rocchetta Volt	RVI2	Italy	41.6219N	14.0214E	990	
Rochefort	RCHB	Belgium	50.1560N	5.2280E	161	From 2000-01-01
Rochester	ROC	New York,U.S.A.	43.1245N	77.5923W	155	From 1959-02-13
Rochester High School	RRHS	Washington,U.S.A.	46.7996N	123.0404W	47	
Rochester Mine, Lovelock	O08A	Nevada,U.S.A.	40.2903N	118.1550W	2137	From 2006-02-23 to 2008-03-06
Rochester (NY)	RMO	New York,U.S.A.	43.1317N	77.5386W	141	From 1968-03-22 to 1971-09-30
Roches Yard	MBRY	Montserrat	16.7038N	62.1532W	355	
Rochford	I25A	South Dakota,U.S.A.	44.0196N	103.7324W	1856	From 2009-06-08 to 2011-05-28
Rock Avalanche	RKAV	Alaska,U.S.A.	60.2998N	141.3458W	1647	
Rock City	RCG	Georgia,U.S.A.	34.9750N	85.3480W	468	From 1981-10-23 to 2008-02-13
Rock Creek Canyon	RCCR	California,U.S.A.	37.4869N	118.7228W	2817	
Rock Creek Ranch, Frenchglen	K07A	Oregon,U.S.A.	42.6912N	119.2469W	1407	From 2006-05-30 to 2008-04-07
Rock Creek Ranch, Golconda	N09A	Nevada,U.S.A.	40.8520N	117.5244W	1617	From 2006-04-20 to 2008-03-07
Rock Eagle	REG	Georgia,U.S.A.	33.4421N	83.3371W	178	From 1978-02-01
Rockefeller Mts	RMA	King Edward VII Land	78.1333S	155.4170W	390	From 1940-11-17 to 1940-12-28
Rockhampton 2 Soft	RK2S	Queensland,Australia	23.3102S	150.5216E	36	From 2009-01-01
Rockhampton Hard Rock	RK1H	Queensland,Australia	23.3876S	150.4939E	68	From 2009-01-01
Rocking H Ranch, Lancaster	A32A	Minnesota,U.S.A.	48.9172N	96.4935W	322	From 2010-10-23 to 2012-06-10
Rockin P Farm, Martin	U45A	Tennessee,U.S.A.	36.3481N	88.7635W	144	From 2011-08-08 to 2013-03-14
Rockland Lake	RLSP	New York,U.S.A.	41.1453N	73.9107W	61	
Rocklands	ROKL	Victoria,Australia	37.2333S	141.9568E	215	From 2008-12-03
Rocklands Reservoir	ROKM	Victoria,Australia	37.2420S	141.9550E	200	
Rockmart	Y51A	Georgia,U.S.A.	33.8993N	85.0640W	380	From 2012-04-07
Rockport	RPW	Washington,U.S.A.	48.4483N	121.5140W	850	
Rock site, Kinburn Side Road	KB1O	Ontario,Canada	45.3981N	76.1768W	108	From 2013-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Rocksprings	531A	Texas,U.S.A.	30.1645N	100.5464W	661	From 2009-02-15 to 2011-01-19
Rocksprings	532A	Texas,U.S.A.	30.1278N	99.9049W	703	From 2009-02-18 to 2011-01-18
Rock Springs	M19A	Wyoming,U.S.A.	41.5047N	109.1569W	2080	From 2007-10-24 to 2009-10-14
Rocky Butte	RBO	Oregon,U.S.A.	45.5408N	122.5643W	158	
Rocky Gully	RKG	Western Australia,Australia	34.5698S	117.0100E	300	From 1983-07-01 to 2006-05-29
Rocky Gully	RKGY	Western Australia,Australia	34.6094S	116.9773E	220	From 1999-09-04
Rocky Hill	MRHM	California,U.S.A.	36.2863N	119.0871W	432	
Rocky Mountain Net	TVGG	Georgia,U.S.A.	34.3772N	85.3023W	323	
Rocky Mt	T56A	Virginia,U.S.A.	37.0288N	80.0311W	387	From 2013-03-16
Rodeo	AROD	San Juan,Argentina	30.1670S	69.4733W	2745	
Rodeo	RTRS	San Juan,Argentina	30.1700S	69.4603W		
Rodeo Gulch Road	JRGM	California,U.S.A.	37.0370N	121.9650W	213	From 1976-01-28
Rodgers	KRPM	California,U.S.A.	41.1582N	124.0230W	829	
Rodhopi	RDO	Greece	41.1462N	25.5375E	100	From 1988-01-01
Rodini	RODI	Greece	38.3229N	21.8961E	80	From 2010-07-03
Rodini, Patras, West Greece	ROD3	Greece	38.3081N	21.8920E	447	From 2011-05-11
Rodman Mountain	ROD	California,U.S.A.	34.6297N	116.6050W	1292	
Rodopos	RODP	Crete,Greece	35.5604N	23.7577E	309	From 2013-04-20
Rodos	RODB	Greece	36.4471N	28.2212E	26	
Rodrigues Island Caves	ROCAM	Mauritius,Mauritius	19.7555S	63.3698E	37	From 2012-12-15
Roellen	RELT	Missouri,U.S.A.	36.0332N	89.3022W	107	
Roes	PYRM	Germany	50.2373N	7.2874E	230	
Roetgen-Dahlheim	RODG	Nordrhein-Westfalen,Germany	51.1447N	6.1803E	70	From 2002-07-01
Roetschberg	BD07	Nordrhein-Westfalen,Germany	50.9433N	6.6740E	74	From 2001-01-01
Roger Stewart	RGRS	South Carolina,U.S.A.	32.9075N	80.1942W	-52	From 1986-06-01
Roghun	RAG	Tajikistan	38.7000N	69.7800E		
Rogliano	ROG2	Italy	39.1786N	16.3261E	650	From 2014-12-30 to 2019-03-21
Rognes	RGS	Norway	63.0210N	10.4350E	120	From 1985-12-22 to 2003-04-05
Rognes	ROG	Provence-Cote d'Azur,France	43.6840N	5.3127E	310	
Rohrbach	A011A	Austria	47.3908N	16.0077E	507	From 2015-07-10 to 2016-06-29
Rohrbach	ROHR	Sachsen,Germany	50.2342N	12.3168E	629	From 2001-08-07
Rohtak	ROH	Haryana,India	28.9000N	76.6000E	220	
Rohtak	RTK	Haryana,India	29.0333N	76.4143E	0	
Roi	ROII	Israel	32.2482N	35.4878E	72	From 2018-01-31
ROIAK	ROIA	Bulgaria	43.0933N	27.3778E	355	From 2006-10-01
Roio Piano	T0106	Italy	42.3069N	13.3837E	1260	From 2009-04-08
Rokan Hilir, Riau, Sumatra, Indonesia	RHRSI	Indonesia	1.5618N	101.0029E	68	From 2021-12-31
ROKH	ROKH	Iran	32.3458N	51.0352E	2022	From 2011-01-01
Rokko	RKO	Hyogo,Japan	34.7639N	135.3018E	540	
Rokland skole	NBB29	Norway	66.9919N	15.3292E	35	From 2013-08-01 to 2016-06-01
Rokugo	JRG	Iwate,Japan	39.3963N	140.6338E	200	
Rolduc	RDC	Netherlands	50.8694N	6.0847E	145	
Rolla	ROL	Missouri,U.S.A.	37.9178N	91.8689W	200	From 1965-01-01
Rolleston	DARN3	South Island	43.6376S	172.3699E	40	
Rolleston, SAND	SANDN	South Island	43.5604S	172.2977E	103	
Rolleston School	ROLC	South Island,New Zealand	43.5928S	172.3811E	53	From 2004-11-30
Rolling Bench Mark	BRMM	California,U.S.A.	36.8345N	120.8240W	372	From 1973-12-03
Roma	ROM9	Italy	41.8284N	12.5155E	110	From 2002-10-01
Roma	RTQ	Queensland,Australia	26.5678S	148.8514E	350	
Roma	RMQ	Queensland,Australia	26.4857S	148.7582E	375	From 1984-08-11
ROMA CLODIO	RMCL	Italy	41.9140N	12.4542E	93	From 2016-10-30
Roma DPC Vitorchiano	RMVT	Italy	41.9560N	12.4859E	76	From 2016-10-30
Roma Monte Mario	RMMM	Italy	41.9232N	12.4526E	157	From 2016-12-02
Roman Lake	ROMN	Northwest Territories,Canada	64.3157N	118.0182W	395	From 2007-08-12 to 2010-07-16
Roman Nose	RNO	Oregon,U.S.A.	43.9122N	123.7410W	875	From 1991-09-01
Romanshorn, Forsthaus, TG	ROMAN	Switzerland	47.5643N	9.3359E	348	From 2015-03-31
Roma Palazzo Spada	RMPS	Italy	41.8943N	12.4721E	51	From 2021-12-20
Roma Palazzo Valentini	RMPV	Italy	41.8958N	12.4842E	11	From 2020-10-27
ROMA ULPIANO	RMUL	Italy	41.9040N	12.4721E	77	From 2016-10-31
Rombauer	RMB	Missouri,U.S.A.	36.8860N	90.2780W	147	From 1974-06-27
Rome	ROM	Italy	41.9033N	12.5133E	45	
Rome	K09A	Oregon,U.S.A.	42.6996N	117.7251W	1176	From 2006-08-05 to 2008-04-03
Rome, Mte Porzio	RMP	Italy	41.8111N	12.7022E	380	
Rome (USA)	RMG	Georgia,U.S.A.	34.3679N	85.2816W	244	From 1979-05-01
Rominger Brothers Farms, Citrona, CA USA	ROMB	California	38.5889N	122.0315W	137	From 2022-03-01
Romny	RMNS	Amurskaya Oblast',Russia	50.8630N	129.3900E	190	
Romoos, Napf, BE	A060B	Switzerland	46.9930N	7.9776E	1049	From 2017-05-09
Romrod	GWBF	Hessen,Germany	50.7285N	9.1763E	368	From 2002-06-17
Romuvaara	RMF	Finland	64.2175N	29.9318E	220	From 2015-10-31
Ronca, Sant'Olcese (GE)	RNCA	Italy	44.4712N	8.9512E	235	From 2015-04-01
Ronchamp	RONF	Franche Comte	47.7107N	6.6472E	415	From 2013-04-11
Ronchi	N004	Italy	43.4684N	12.3373E	465	From 2011-02-08
Ronchis	RONS	Italia	45.8057N	12.9972E	11	From 2022-07-27
Roncone	RONC	Italy	45.9802N	10.6228E	1913	From 2013-10-09
Roncone	RNI	Italy	45.9802N	10.6228E	1913	From 1982-01-01 to 2013-10-09
RONCO SCRIVIA	RNS	Italy	44.5954N	8.9360E	437	From 2007-12-05
Rongbusi, Xizang Zizhiqu	RBSH	Xizang Zizhiqu,China	28.1955N	86.8280E	5100	From 2001-09-20 to 2002-05-21
Ronggurnihuta, Sumatera Utara	RSSM	Indonesia	2.5979N	98.7830E	1542	From 2019-01-01
Ronquire	BRQR	Belgium	50.6062N	4.2246E	40	From 1989-09-05
Roodepoort, Johannesburg	DRD	South Africa	26.1720S	27.8621E	1729	From 2010-03-19
Rooidraai Farm, Aberdeen, Eastern Cape	ROOI	South Africa	32.4948S	23.5516E	900	From 2016-07-19
Roopena	RPA	South Australia,Australia	32.7250S	137.4030E		
Roosevelt	Y17A	Arizona,U.S.A.	33.6953N	110.8444W	866	From 2007-04-17 to 2009-01-22
Roosevelt	O18A	Utah,U.S.A.	40.2655N	110.0082W	1582	From 2007-07-25 to 2009-04-10
Roosevelt	RPK	Washington,U.S.A.	45.7617N	120.2310W	549	From 1975-11-01
Roosevelt Hot Springs	RHU	Utah,U.S.A.	38.4722N	112.8470W	1905	From 1978-02-01
Roosevelt Roads	RRD	Puerto Rico	18.2360N	65.6180W	40	From 1975-03-01 to 1999-08-25
Roosevelt Roads	RRP	Puerto Rico	18.2333N	65.6333W		
Ropang, Sumbawa, Nusa Tenggara Barat, Indonesia	RSNI	Indonesia	8.8859S	117.4830E	74	From 2021-12-31
Roper	V61A	North Carolina,U.S.A.	35.7912N	76.5776W	4	From 2013-03-11
Roppe	ROF	Franche Comte,France	47.6806N	6.9008E	500	
Roquefort la Bedoule, 13085, Bouches-du-Rhone	A204A	France	43.2413N	5.6099E	512	From 2016-06-14 to 2019-11-07
Roquetas del Mar	EROQ	Spain	40.8232N	0.4088E	284	From 1987-02-01
Roquillos	EXROQ	Canary Islands	27.7980N	17.9864W	104	
Rosais	ROSA	Azores,Portugal	38.7195N	28.2415W	310	From 1989-07-01
Rosais	RSCH	Azores	38.7547N	28.3101W	272	
Rosal de la Frontera, Huelva	E016	Spain	37.9670N	7.0568W	320	From 2007-09-26 to 2009-06-23
Rosalia, Austria	RONA	Austria	47.6997N	16.2963E	699	From 2016-03-15
Rosrio	ROSB	Maranhao,Brazil	2.8967S	44.1246W	60	From 2014-02-02
Rosario do Sul (Brazil)	RODS	Rio Grande do Sul	30.3481S	55.1976W	241	From 2016-05-05
Roseau, Dominica	DRTD	Dominica	15.2955N	61.3843W	31	From 2014-10-22
Rosebud	GOIL	Illinois,U.S.A.	37.2900N	88.5800W	165	
Rosebud	F22A	Montana,U.S.A.	45.7794N	106.2569W	882	From 2008-11-13 to 2010-08-08
Rosebud	R41A	Missouri,U.S.A.	38.2976N	91.3795W	257	From 2011-07-26
Rosebud Secondary College	AURSC	Victoria,Australia	38.3700S	144.8900E	23	From 2013-05-10
Rosebush, Pembrokeshire	RSBS	Wales,United Kingdom	51.9530N	4.7448W	278	From 2012-08-01
Rosedale	P46A	Indiana,U.S.A.	39.6178N	87.2067W	194	From 2011-10-22
Rosedale State School	RDSS	Queensland,Australia	24.6238S	151.9168E	117	From 2004-08-09
Rose Hills Cemetery, Whittier	RHC	California,U.S.A.	34.0009N	118.0131W	364	
Roselend	RSL	Rhone-Alpes,France	45.6883N	6.6256E	1583	
Rose Lookout	RLO	Oklahoma,U.S.A.	36.1652N	95.0229W	341	From 1977-05-01
Rosemanowes	CRQ	England,United Kingdom	50.1672N	5.1726W	165	From 1981-02-01
Rosemanowes 2	CRQ2	England,United Kingdom	50.1669N	5.1686W	152	From 1981-01-01
Rosenberg	A119A	Germany	49.0071N	10.0384E	562	From 2015-11-04
Rosenbuehl-Arzberg	MROB	Bayern,Germany	50.0832N	12.1786E	570	From 2001-10-09
Roseneath	ROS	North Island,New Zealand	41.2833S	174.8000E		
Rosenhof	ROSN	Cape Province,South Africa	34.1038S	24.5400E	110	
Rose Park Fire Station, Salt Lake City, UT	RPF	Utah,U.S.A.	40.7753N	111.9203W	1287	From 2007-10-03
Rose Pump	RSE	California,U.S.A.	32.9255N	115.4992W	-41	
Rose Valley	RVW	Washington,U.S.A.	46.1495N	122.7440W	460	From 1981-02-01
Rose Valley Central	RVCM	California,U.S.A.	36.0080N	117.8900W	1067	From 1975-09-26
Rose V. Central	WRVM	California,U.S.A.	36.0080N	117.8900W	1067	From 1975-09-26
Rosharon	638A	Texas,U.S.A.	29.4193N	95.4481W	8	From 2011-02-17 to 2011-11-06
Roshora	RSRA	India	21.3110N	82.7990E	284	From 2018-02-15
Rosh Pina	RSPN	Israel	32.9704N	35.5463E	376	From 2018-02-01
ROSL	ROSL	Bolivia	19.4853S	64.1803W	2073	From 1994-05-30 to 1995-08-08
Ross	ROSS	Washington,U.S.A.	45.6619N	122.6569W	61	
Rossano	ROI	Italy	39.5718N	16.5692E	605	From 1979-06-01
Ross Creek	RCJ	Utah,U.S.A.	40.6585N	111.4393W	2090	From 1992-10-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Rosskopf	ROSI	Italy	46.9281N	11.4118E	1917	From 2006-12-13
Rosslynne Res.	LYNN	Victoria,Australia	37.4755S	144.5741E	447	
Røst	N2RO	Norway	67.5173N	12.1158E	4	From 2013-08-01 to 2016-05-30
Røst	ROEST	Norway	67.5202N	12.1045E	2	From 2019-05-22
Rostrenen	ROSF	Bretagne,France	48.3364N	3.2736W	260	From 1996-04-03
Roswell	Z25A	New Mexico,U.S.A.	33.2797N	104.7171W	1233	From 2008-04-16 to 2010-03-08
Rota	RTN	Nicaragua	12.5333N	86.7832W	240	From 1975-01-01
Rota Cerro Negro	ROCN	Nicaragua	12.5196N	86.7437W	267	From 2006-11-05
Rotal Creek Pleasanton	C069	California,U.S.A.	37.6478N	121.8961W	83	From 2013-04-18
Roteberg	ROTU	Sweden	61.4208N	15.8145E	100	From 2000-06-29
Rothenfluh	ROTHE	Switzerland	47.4761N	7.9209E	711	From 2012-12-10
Roth Farm, Molt	F19A	Montana,U.S.A.	45.8538N	108.9437W	1243	From 2008-08-07 to 2010-06-07
Rothwald	A018A	Austria	47.7437N	15.0776E	748	From 2015-06-25
Rotoiti	RTY	South Island,New Zealand	41.8058S	172.8432E	635	From 1984-07-25 to 2000-09-30
ROTONDA	ROT7	Italy	39.9490N	16.0420E	661	From 2012-02-13
Rotonda - Contrada Piano Incoronata (PZ)	T0716	Italy	39.9487N	16.0224E	560	From 2012-03-22 to 2099-12-31
Rotonda (PZ)	T0711	Italy	39.9357N	16.0618E	751	From 2011-11-25 to 2012-03-22
Rotorua	ROT	North Island,New Zealand	38.1332S	176.2552E	300	From 1936-11-01 to 1942-12-31
Rotorua District Council	ROTS	North Island,New Zealand	38.1357S	176.2552E	287	From 2013-05-01
Rottenburg	A357A	Germany	48.6998N	11.9992E	426	From 2015-10-23 to 2016-06-03
Rottenburg, Weiler	A100A	Germany	48.4530N	8.9261E	508	From 2015-11-16
Rotten Point	ROKY	Kentucky,U.S.A.	37.9090N	83.9260W	433	
Rotterdam (NY)	ROTD	New York,U.S.A.	42.7508N	74.0872W	283	
Rottweil	ROTE	Baden-Wurttemberg	48.1532N	8.6709E	696	From 2016-09-01
Rottweil, Deisslingen	A101A	Germany	48.1182N	8.5502E	741	From 2015-11-13 to 2016-11-07
Rottweil, Deisslingen 2	A101B	Germany	48.1182N	8.5502E	741	From 2016-07-02
Rotzenmuhle	ROTZ	Bayern,Germany	49.7669N	12.2070E	430	
Rough Rock, Chinle	U18A	Arizona,U.S.A.	36.4199N	109.8696W	1878	From 2007-05-19 to 2009-02-11
Rougiers	ROU	Provence-Cote d'Azur,France	43.4014N	5.8457E	500	
Roundabout Mountain	H19K	Alaska,U.S.A.	65.5276N	156.4494W	107	From 2017-06-13
Round Butte Dam	VRBM	Oregon,U.S.A.	44.6008N	121.2700W	743	
Round Hill, Nevis	NVRH	Nevis,Saint Kitts and Nevis	17.1835N	62.6001W	305	From 2002-05-06
Round Hill Res.	CRHM	California,U.S.A.	37.8588N	121.9926W	259	
Round Mountain	RMT	California,U.S.A.	39.9172N	122.6690W		
Round Mountain	GROM	California,U.S.A.	39.9168N	122.6712W	1261	
Round Mountain	GRMM	California,U.S.A.	39.0205N	122.5843W	469	
Round Mountain	RDM	California,U.S.A.	34.4000N	117.1850W	1426	From 1976-12-01
Round Mountain	RMI	Idaho,U.S.A.	42.0788N	113.3462W	1516	
Round Top Mountain	GRTM	California,U.S.A.	38.9387N	122.6700W	619	
Round Valley Indian Tribe	RVIT	California	39.9062N	123.3784W	788	From 2018-09-01
Roure	OG33	Rhone-Alpes,France	44.0918N	7.0872E	1195	From 2000-08-09 to 2014-01-01
Route 59 and County Road 4763, Timpson	ETX06	Texas,U.S.A.	31.8675N	94.4525W	117	
Route FM415 near Route 87	ETX04	Texas,U.S.A.	31.8668N	94.3810W	113	
Rovaniemi	RNF	Finland	66.6090N	26.0135E	171	From 2007-09-01
Rovere (Rocca di Mezzo)	RM13	Italy	42.1816N	13.5810E	1282	From 2009-04-07 to 2009-09-02
Rovereto Di Novi	ROVE	Italy	44.8530N	10.9497E	21	
Rover Veronese	ROVR	Italy	45.6468N	11.0721E	1316	From 2008-10-08
Rovies, Greece	GR23	Greece	38.8076N	23.2290E	67	From 2022-09-30
Rovinari	RVNR	Romania	44.8944N	23.1615E	170	From 2023-02-23
Rowesville	ROW	South Carolina,U.S.A.	33.3650N	80.7944W	35	From 1977-10-23
Rowland	X58A	North Carolina,U.S.A.	34.5548N	79.3388W	45	From 2013-02-08
Rowsley	ROWM	Victoria,Australia	37.8058S	144.2915E	380	
Roxas	RCP	Panay,Philippines	11.5600N	122.7450E	140	
Roxburgh	ROX	South Island,New Zealand	45.4742S	169.3204E	106	From 1957-05-12 to 1985-04-30
Roxby Downs High School	AUROX	South Australia,Australia	30.5600S	136.9000E	106	From 2013-08-11
Royal City	RC1	Washington,U.S.A.	46.9433N	119.4330W	500	From 1988-05-27
Royalston	K62A	Massachusetts,U.S.A.	42.6651N	72.2345W	289	From 2013-09-09
Royce, Wessington Springs	I31A	South Dakota,U.S.A.	44.0297N	98.5352W	469	From 2010-07-25 to 2012-06-08
Rozhen	RZN	Bulgaria	41.6941N	24.7388E	1735	
Rozkopintsy	NDNU3	Ukraine	48.4930N	27.4290E	113	
RQBS	RQBS	Saudi Arabia	27.3401N	45.9610E	424	
RSE	CRSE	Costa Rica	9.5773N	84.2172W	158	From 2002-10-01 to 2003-03-15
Ruatahuna	RTZ	North Island,New Zealand	38.6154S	176.9805E	867	From 2011-05-05
Ruataniwha	RTP	South Island,New Zealand	44.2828S	170.0864E	500	From 1976-09-06 to 1976-11-24
Rubha Reidh	RRR	Scotland,United Kingdom	57.8577N	5.8067W	61	From 1995-09-10
Rubicon Trail	RUBR	California,U.S.A.	39.0517N	120.1549W	2045	
Ruby Glebe Property	RGP	California,U.S.A.	38.8783N	122.8113W	799	
Rude Farm, Bottineau	A28A	North Dakota,U.S.A.	48.9096N	100.2669W	692	From 2009-08-11 to 2011-07-16
Rudendorf	A351B	Germany	50.0019N	10.7612E	339	From 2015-06-03
Rudlice	RUDU1	Czech Republic	48.9411N	16.0568E	258	From 2014-08-14
Rudnianska	A332A	Slovakia	48.8045N	18.4645E	359	From 2015-09-08
Rudo	RUDO	Bosnia and Herzegovina	43.6180N	19.3700E	413	From 2013-06-21
Rudovci	RUDS	Serbia	44.3878N	20.4003E	0	
Ruedersdorf	RUE	Germany	52.4800N	13.7800E		
Ruffiac, Nouvelle Aquitaine, France	RUFF	Aquitaine	44.3820N	0.0210E	147	From 2018-06-01
Rufina	RUFI	Italy	43.8400N	11.5100E	249	From 2012-01-13
Rugen	RGN	Mecklenburg-Vorpommern,Germany	54.5477N	13.3214E	15	
Ruggs Ranch, Heppner	G07A	Oregon,U.S.A.	45.2664N	119.6692W	801	From 2006-08-17 to 2008-05-09
Ruhr-University Bochum -- Hof Stiepel	BHOF	Nordrhein-Westfalen,Germany	51.4289N	7.2614E	132	From 2011-02-07
Ruhr-University Bochum--Klosterbusch Mine	BKLB	Nordrhein-Westfalen,Germany	51.4401N	7.2697E	85	
Ruhr-University Bochum - Language Institute	BULI	Nordrhein-Westfalen,Germany	51.4544N	7.2602E	145	From 2011-06-09
Ruhr-University Bochum--Staatshockbauamt	BSHA	Nordrhein-Westfalen,Germany	51.4469N	7.2445E	148	
Ruhr-University Bochum--Technical Center	BTEZ	Nordrhein-Westfalen,Germany	51.4490N	7.2790E	112	
Ruinas Leon Viejo	LEVN	Nicaragua	12.4015N	86.6164W	20	From 2016-10-03
Ruisui	HGSD	Taiwan region	23.4921N	121.4239E	94	From 2004-04-27
Rujevac	A251A	Croatia	45.1286N	16.2664E	252	From 2015-11-30
Rumah	RMAH	Saudi Arabia	25.3450N	46.8840E	657	
Rumangabo	RGB	Democratic Republic of the Congo	1.3452S	29.3654E	1610	From 2014-02-13 to 2022-07-01
Rumangabo	RUM	Democratic Republic of the Congo	1.3400S	29.3600E	1590	From 1955-01-01 to 1969-12-31
Rumelange	RUMEL	Luxembourg	49.4538N	6.0107E	204	From 2021-12-09
Rumipamba	QUR	Ecuador	0.1717S	78.5288W	3720	From 1988-07-19
Rumipamba	RUMP	Ecuador	0.1753S	78.5313W	3377	From 2010-08-19
Rumjataar	RUMN	Nepal	27.3038N	86.5482E	1319	From 2001-10-10 to 2002-11-28
Rumoi	RMJ	Rumoi,Japan	43.9433N	141.6367E	22	
Rumorosa	ERMX	Baja California	32.5534N	116.0287W	1290	
Rumorosa	FRM1	Baja California	32.5561N	116.0370W	1220	
Rundenannen	RUND	Norway	60.4135N	5.3672E	525	From 1997-09-01
RUNDU	RUDU	Namibia	17.9090S	19.7210E	1071	From 2006-04-05
Runtun	RUN5	Ecuador,Ecuador	1.4152S	78.4242W	2630	From 2005-05-01
Runtun	RUN2	Ecuador	1.4218S	78.4132W	2430	From 1994-12-02
Runtun 3	RUN3	Ecuador	1.4467S	78.4270W	3290	
Ruokolahti	RUF	Finland	61.4247N	28.9497E	125	From 2015-08-08
Ruokolahti	RUFX	Finland	61.4298N	28.9531E	138	From 2015-08-11
Ruppelstein	RUP	Rheinland-Pfalz,Germany	49.7017N	7.0593E	750	From 1976-01-01 to 2016-12-31
Rupperstecken	A112A	Germany	49.6499N	7.9086E	434	From 2015-10-30
Rusayo	RSY	Democratic Republic of the Congo	1.5770S	29.1798E	1679	
Ruse	RUSAM	Bulgaria	43.8462N	25.9612E	203	From 2012-11-20
Rusevo Krmpotsko	A250A	Croatia	45.0840N	14.9106E	686	From 2015-11-29
Rushworth	RUSM	Victoria,Australia	36.6642S	144.9472E	127	
RUSIZI	RUSZ	Rwanda	2.4832S	28.9050E	1616	From 2019-06-07
Ruskeasuo	RUSK	Finland	60.2024N	24.9166E	-282	From 2022-12-20
Ruskeasuo, Finland	RSUO	Finland	60.2068N	24.9093E	41	From 2021-05-29
Russellman Park	CRPM	California,U.S.A.	37.9125N	121.9060W	331	From 1970-09-18 to 2008-10-01
Russellman Park	CRPB	California,U.S.A.	37.9123N	121.9072W	307	
Russell Place, West Yellowstone	H16A	Montana,U.S.A.	44.7038N	111.2478W	2080	From 2007-08-25 to 2009-09-07
Russell Ranch	RUSS	California	38.5448N	121.8675W	29	From 2018-09-01
Russell Springs	RS-	Kentucky,U.S.A.	37.1986N	84.8683W	274	From 1965-12-03 to 1965-12-13
Russell Springs	RS-KY	Kentucky,U.S.A.	37.1986N	84.8683W	274	From 1965-12-03 to 1965-12-13
Russelville	X47A	Arkansas,U.S.A.	34.5178N	87.8571W	212	From 2011-12-10
Russkaya	RUS	Kamchatskaya Oblast',Russia	52.4331N	158.5131E	75	
Rust De Winter,Limpopo Province	RUST	South Africa	25.2392S	28.5240E	1071	From 2017-05-11
Rustrel	RUSF	Provence-Cote d'Azur,France	43.9410N	5.4840E	550	From 2000-08-02
Ruta 39, Com. La Coronilla	AIMA	Uruguay	34.3243S	54.7016W	238	From 2019-03-09
Rutbah	RTB	Iraq	33.0295N	40.3077E	612	
Ruteng	RUTI	Flores,Indonesia	8.6120S	120.4650E	0	From 2005-01-01
Ruth	RUT	Nevada,U.S.A.	39.2333N	114.9830W	2270	From 1960-01-01 to 1964-04-30
Rutherford	HHCT	Tennessee	36.1097N	89.0453W	141	From 1989-10-25
Rutherford Drive Danville	C047	California,U.S.A.	37.8291N	122.0203W	116	From 2010-08-23
Ruthven	RUN	California,U.S.A.	32.9722N	114.9770W	151	From 1973-04-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ruvo Del Monte	RDM3	Italy	40.8755N	15.5361E	784	
Ruwais	GHWR	United Arab Emirates	23.9635N	52.8755E	50	
RV157	RV157	Nevada	36.9732N	116.0829W	1250	From 2018-04-04
RV196	RV196	Nevada	36.9406N	116.0826W	1522	From 2018-04-04
RV339	RV339	Nevada	36.8104N	116.0918W	1180	From 2018-05-01
R-V Farms, Vernon	Y32A	Texas,U.S.A.	34.0036N	99.4420W	412	From 2009-03-20 to 2011-02-12
Ryan	RYN	Nevada,U.S.A.	38.6282N	118.5230W	1585	From 1974-08-01
Rybach'ye	RYB	Kyrgyzstan	42.4500N	76.0833E		
Rybnik	RBN	Poland	50.0981N	18.5336E	250	From 1950-01-01 to 1969-12-31
Ryder	RY-ND	North Dakota,U.S.A.	48.0972N	101.4944W	640	From 1963-07-22 to 1966-06-03
Ryder	RY-	North Dakota,U.S.A.	48.0972N	101.4944W	640	From 1963-07-22 to 1966-06-03
Ryogami san	JRY	Saitama,Japan	36.0167N	138.9017E	480	
Rypely	RYL	Greenland	83.0007N	34.0724W	3	
Rzuchow	PL31A	Poland	50.0697N	18.3545E	339	From 2019-12-05
S01	S01	East of Mariana Islands	17.1001N	146.4498E	-3219	
S02	S02	East of Mariana Islands	17.0749N	146.6169E	-3563	
S03	S03	East of Mariana Islands	17.0496N	146.7840E	-3883	
S04	S04	East of Mariana Islands	17.0239N	146.9511E	-4316	
S05	S05	East of Mariana Islands	16.9896N	147.1736E	-3243	
S06	S06	East of Mariana Islands	16.9669N	147.3220E	-4556	
S07	S07	East of Mariana Islands	16.9380N	147.5073E	-5043	
S08L	S08L	East of Mariana Islands	16.9079N	147.6934E	-5513	
S09	S09	East of Mariana Islands	16.8780N	147.8918E	-5056	
S10L	S10L	East of Mariana Islands	16.8488N	148.0651E	-5519	
S11	S11	East of Mariana Islands	16.8205N	148.2529E	-4971	
S12	S12	East of Mariana Islands	16.7909N	148.4380E	-4987	
S13	S13	East of Mariana Islands	16.7596N	148.6211E	-5499	
S14	S14	East of Mariana Islands	16.7311N	148.8080E	-5299	
S15	S15	East of Mariana Islands	16.7011N	148.9929E	-5144	
S16	S16	East of Mariana Islands	16.6700N	149.1824E	-5076	
S17	S17	East of Mariana Islands	16.6411N	149.3577E	-5289	
S18	S18	East of Mariana Islands	16.6106N	149.5425E	-5089	
S19	S19	East of Mariana Islands	16.5790N	149.7318E	-4986	
S2 Ranch, Elgin	F09A	Oregon,U.S.A.	45.7087N	117.9094W	894	From 2006-08-09 to 2008-06-21
Saathoff Ranch, Hondo	633A	Texas,U.S.A.	29.4591N	99.1766W	320	From 2009-12-05 to 2011-10-13
Saatly	SAAT	Azerbaijan	39.8610N	48.4230E	13	From 2010-04-08
Saattut	SAATT	Greenland	70.8110N	51.6310W	0	From 2019-08-15
Saba	SABS	Netherlands Antilles	17.6206N	63.2430W	500	
Saba	SABA	Netherlands Antilles,Netherlands Antilles	17.6205N	63.2426W	261	From 2006-10-30
Saba	SABT	Netherlands Antilles	17.6205N	63.2430W	880	From 2000-01-22
Saba	SBN	Netherlands Antilles	17.6370N	63.2350W	870	From 1976-10-01
Saba, Juancho Airport	SABV	Netherlands Antilles	17.6400N	63.2200W	15	From 2013-12-01
Sabana de Torres	VMM06	Colombia	7.4574N	73.5968W	103	From 2015-10-04
Sabana Grande	ESSG	Guatemala	14.3841N	90.8303W	737	From 2015-01-01
Sabana Grande, F1	TUF1	Nicaragua	12.7247N	87.0964W	138	
Sabancuy	SCIG	Campeche,Mexico	18.9670N	91.1853W	40	From 2000-07-01
Sabanita	SABN	Masaya,Nicaragua	11.9567N	86.1620W	355	From 2001-01-01
Sabanitas, Colon	SABA3	Panama	9.3500N	79.8010W	20	From 2010-01-01
Saba, The Bottom	SABQ	Netherlands Antilles	17.6300N	63.2500W	150	From 2013-12-01
Sabatlo	SBTG	Georgia,Georgia	41.3236N	46.6639E	256	From 2003-01-01
Sabaudia	SBDA	Italy	41.3023N	13.0299E	27	From 2019-12-27
Saba, Winward Side	SABW	Netherlands Antilles	17.6300N	63.2300W	150	From 2013-12-01
Sabbang Paru, Sulawesi Selatan	SWCM	Indonesia	4.2145S	120.0109E	23	From 2019-01-01
Sabc	SABC	Cuba	20.3800N	75.1900W		
Saberio	SAB	Georgia,Georgia	42.6600N	41.8500E	180	
Sable island	SABG	Nova Scotia,Canada	43.9312N	60.0084W	0	From 2005-10-13
Sabuk	KSGWL	Republic of Korea	37.2076N	128.8235E	1	From 2007-12-11
Sabunlu, Dalaman, Mula	SABU	Turkey	36.8233N	28.9686E	476	From 2017-12-15
Sabzevar	SBZV	Iran	36.3883N	57.6106E	2024	From 2011-10-27
Sabzevar	SBZR	Iran	36.3055N	57.6832E	1278	From 2004-02-14
Sacapulas	QUIS	Guatemala	15.2908N	91.0919W	1212	From 2015-05-07
Sacbachol	SBL	Guatemala	14.8917N	91.2787W	3403	From 1980-01-01
Sachs Harbour	SWT	Northwest Territories,Canada	71.9933N	125.2830W	80	From 1980-12-03 to 1986-07-14
Sachs Harbour	SXT	Northwest Territories,Canada	71.9892N	125.2400W	77	From 1986-08-13
Sachs Harbour	A36M	NorthWest Territories,Canada	71.9871N	125.2472W	32	From 2013-09-02
Sacramento	SMKY	Kentucky,U.S.A.	37.4230N	87.2760W	158	From 1985-01-01
Sacramento, California	SACC	California,U.S.A.	38.7000N	121.5000W	40	From 2012-08-01
Sacranix	SXG	Guatemala	15.5058N	90.4197W	1904	From 1985-11-01 to 1999-08-25
Sacuragua	FISA	Venezuela	11.2648N	69.3333W	600	From 1986-12-01 to 1999-08-25
Sa da Bandeira	SDB	Angola	14.9258S	13.5719E	1781	From 1962-01-01 to 1975-12-31
Sad˙ah	SADA	Yemen	16.9330N	43.7500E	1850	
Sadao Pong	PBKT	Thailand	16.5700N	100.9700E	8	From 2008-01-01
Saddle Back Butte	SBB	California,U.S.A.	34.6883N	117.8250W	832	From 1974-01-03
Saddleback Mountain	SBKC	California,U.S.A.	35.0788N	117.5810W	881	
Saddle Mountain	SDL	Washington,U.S.A.	46.7954N	119.4910W		
Saddle Peak	SADC	California,U.S.A.	34.0810N	118.6650W	732	From 1973-08-01
SADE1	SADE1	Saudi Arabia	20.5689N	40.0323E	142	
SADE2	SADE2	Saudi Arabia	20.6222N	39.9471E	128	
Sadie Cove	SDEM	Alaska,U.S.A.	59.4433N	151.2820W	770	From 1983-07-04 to 1984-06-29
Sado	JSD	Niigata,Japan	38.0370N	138.2603E	146	
Sadowa	SADO	Ontario,Canada	44.7694N	79.1417W	243	From 1993-12-03
Sadrabad	ISAD	Iran	31.9136N	53.6855E	2457	From 1998-10-01
Saentis	SAX	Switzerland	47.2507N	9.3449E	2500	From 1983-07-01 to 2001-08-28
Safaga	NSFG	Egypt	26.7630N	33.9380E	10	
Safi, DAM3	DAMI3	Israel	31.0820N	35.4460E	-390	From 1986-09-01 to 1988-04-01
Safran	SFRN	Turkey	40.6061N	29.2419E	108	From 2005-11-26
Safranbolu	SAFT	Turkey	41.2398N	32.6872E	406	
Safwai	RUWJ	Jordan	32.5447N	38.1800E	685	From 1989-10-02
Saga	SAG	Saga,Japan	33.2450N	130.3050E	4	
Sagada Mountain Province	SAMP	Luzon	17.0800N	120.9020E	200	From 2015-05-14
Sagamiharawakayanagi	JSGW	Kanagawa,Japan	35.6019N	139.2085E	226	From 2013-07-01
Sagara	SGRN	Shizuoka,Japan	34.7122N	138.1889E	55	
Sagara	JSG	Shizuoka,Japan	34.6743N	138.1860E	107	
Saga, Xizang Zizhiqu	SAGA	Xizang Zizhiqu,China	29.3292N	85.2322E	4524	From 2001-09-16 to 2002-10-31
Sage Hen Hill	LSHM	California,U.S.A.	40.7933N	122.0396W	730	
Sage Hen Hill, Round Mountain, CA USA	SAGE	California	40.7946N	122.0393W	744	From 2020-08-01
Sagenschleif ILLGRABEN, VS	ILL12	Switzerland	46.2873N	7.6299E	913	From 2018-05-14
Saggi Highlands	SAGI	Israel	30.2040N	34.6770E	560	
Sagiada	SGD	Greece	39.6126N	20.2343E	145	From 2010-05-13
Sagmata Monastery, Theva, Greece	GR26	Greece	38.4000N	23.4107E	782	From 2022-09-22
Sagoatoa	SAGO	Ecuador	1.1529S	78.6650W	4182	From 2012-09-27
S.Agostino (FE)	CAS07	Italy	44.7929N	11.3671E	10	From 2012-05-23
Saguache, Gunnison	R22A	Colorado,U.S.A.	38.2289N	106.7561W	2773	From 2007-12-19 to 2010-02-07
Saguache, S10	SCR10	Colorado	38.1312N	106.2550W	2439	
Sa'gya, Xizang Zizhiqu	SAJA	Xizang Zizhiqu,China	28.9093N	88.0208E	4351	From 2002-07-23 to 2002-11-07
Saha	SEHE	Ethiopia	12.0401N	40.9769E	358	
Saham	SHMJ	Jordan	32.7270N	35.7640E	363	From 1989-08-28
Sahara	SAHA	Rwanda	1.5574S	29.5436E	2217	From 2015-08-17 to 2022-07-01
Sahastru	SAHR	Romania	45.7266N	26.6855E	804	From 2020-05-20
Sahibganj	SHBG	Bihar,India	25.2328N	87.6333E	44	
Sahinbeyi Gaziantep	MTYK	Turkey	37.0135N	37.0627E	740	From 2021-12-29
Saibi	SISI	Sumatera,Indonesia	1.3265S	99.0895E	0	From 2007-12-01
Saidpur	SAD	Pakistan	33.7422N	73.0633E	838	From 1988-09-18
Saidy	SAYS	Sakha,Russia	68.7000N	134.4500E	88	From 1980-07-01 to 1995-02-01
Saigo	SAI	Shimane,Japan	36.2018N	133.3363E	27	
SAIHA	SAIH	Mizoram,India	22.4894N	92.9874E	1207	From 2012-01-06
Saijyo	JHS	Hiroshima,Japan	34.9987N	133.1163E	470	
Saikikamae	JSKE	Oita,Japan	32.7982N	131.9012E	6	From 2012-07-01
Saillon, Rue du Grand Clos, VS	SAI01	Switzerland	46.1674N	7.1917E	466	From 2018-07-13
Saint Agoulin	AGO	Auvergne,France	46.0524N	3.1311E	523	From 1984-07-01
Saint Andre	A21	Quebec,Canada	47.7036N	69.6897W	46	From 1977-08-30
Saint Andrews	SAW	Washington,U.S.A.	47.7017N	119.4010W	704	From 1975-06-01
Saint Aubin	JSA	Channel Islands,United Kingdom	49.1879N	2.1709W	21	From 1981-01-01
Saint-Augustin-de-Desmaures	SADQ	Quebec,Canada	46.7485N	71.5365W	82	From 2007-11-01
Saint Breward	SBD	England,United Kingdom	50.5653N	4.6856W	220	
Saint Catharines	STCO	Ontario,Canada	43.2096N	79.1705W	96	From 1991-07-26
Saint-Christau	EVSC	Midi-Pyrenees	42.9735N	0.5781W	700	From 2022-11-30
Saint Claude	SCG	Guadeloupe,France	16.0289N	61.6810W	646	
Saint-Cripin	OG21	Provence-Cote d'Azur,France	44.7155N	6.6185E	1395	From 1988-09-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Saint Croix	SCVI	Virgin Islands	17.7614N	64.5831W	10	From 2003-11-06
Saint Croix	SCV	Virgin Islands	17.7817N	64.7890W	12	From 1975-04-01 to 1999-08-25
Saint-Denis-d'Olron - 17323 - Charente-Maritime - Nouvelle-Aquitaine	SDOLE	Poitou-Charentes	46.0467N	1.4111W	-2	From 2018-09-04
Sainte-Anne-du-Lac	D55A	Quebec,Canada	47.0190N	75.4732W	331	From 2013-08-09
Sainte-Felicite	SNFQ	Quebec,Canada	48.8880N	67.3511W	65	From 2018-06-16
Sainte Mathilde	A61	Quebec,Canada	47.6931N	70.0900W	358	From 1981-06-05
Sainte-Reine	OG07	Rhone-Alpes,France	45.5927N	6.1410E	915	From 1992-10-07
Saint-Etienne-de-Cuines	OG10	Rhone-Alpes,France	45.3522N	6.2758E	1035	From 1992-10-15
Saint-Etienne-de-Tinee	STET	Provence-Cote d'Azur,France	44.2590N	6.9290E	1200	From 1996-11-27 to 2008-12-15
Saint Etienne de Tinee, Rougelle	ROUGE	Provence-Cote d'Azur	44.2144N	6.9675E	1219	From 2022-10-25
Sainte-Ursule	STUQ	Quebec,Canada	46.3016N	73.0946W	63	From 2011-12-18
Sainte-Ursule	STFQ	Quebec,Canada	46.5538N	71.5436W	122	From 2011-12-13
Saint Francis	P28A	Kansas,U.S.A.	39.5732N	101.7548W	1105	From 2009-05-11 to 2011-04-02
Saint Francis Retreat	HSFM	California,U.S.A.	36.8120N	121.4990W	340	From 1975-11-13
Saint Francois	SFG	Guadeloupe,France	16.2533N	61.1965W	10	From 1975-01-01
Saint George	SGS	South Carolina,U.S.A.	33.1925N	80.5095W	25	From 1973-03-08
Saint George	T13A	Utah,U.S.A.	37.0195N	113.9073W	878	From 2007-01-29 to 2008-10-09
Saint George	WDO	Utah,U.S.A.	37.1076N	113.5865W	831	From 2008-05-28
Saint George	GGN	New Brunswick,Canada	45.1184N	66.8421W	6	From 1981-10-28
Saint George Infrasonic Array Beam Ref. Pt.	SGIAR	Utah,U.S.A.	37.9159N	113.6150W		
Saint George Infrasonic Array Site 1	SGI01	Utah,U.S.A.	37.9159N	113.6150W		
Saint George Infrasonic Array Site 2	SGI02	Utah,U.S.A.	37.0097N	112.4915W		
Saint George Infrasonic Array Site 3	SGI03	Arizona,U.S.A.	36.1139N	113.6150W		
Saint George Infrasonic Array Site 4	SGI04	Nevada,U.S.A.	37.0097N	114.7385W		
Saint George Island	P08K	Alaska,U.S.A.	56.6011N	169.5484W	36	From 2017-10-09
Saint George's Hill	MGH	Montserrat	16.7200N	62.2160W	351	From 1980-07-09
Saint Gilles	SGMF	Bretagne,France	48.2542N	2.5569W	230	From 1996-04-03
Saint Guilaume	F59A	Quebec,Canada	45.8513N	72.7833W	43	From 2013-08-08
Saint Helena Island	SHLN	Saint Helena	15.9167S	5.7333W	274	From 1907-01-01 to 1942-12-31
Saint Helena Road	NSHM	California,U.S.A.	38.5200N	122.6070W	328	From 1970-08-14
Saint-Hilarion	SHQ	Quebec,Canada	47.6034N	70.4009W	411	
Saint Jean	DPQ	Quebec,Canada	46.6805N	72.7773W	167	
Saint Jean de L'Alberes	SJAF	Languedoc-Rousillon,France	42.4845N	2.8822E	450	From 1998-11-16
Saint Jean D'Orleans	D60A	Quebec,Canada	46.9139N	70.9237W	40	From 2013-08-01
Saint Joe	SJID	Idaho,U.S.A.	47.3640N	116.4112W	1775	
Saint John	SJV	Virgin Islands	18.3450N	64.7620W	280	From 1975-06-01
Saint John's	STJN	Newfoundland,Canada	47.5699N	52.7559W	167	From 1991-08-12 to 2006-03-28
Saint John's	STJ	Newfoundland,Canada	47.5717N	52.7328W	62	From 1964-06-01 to 1991-08-31
Saint John's	SJNN	Newfoundland,Canada	47.5952N	52.6781W	146	From 2005-10-12
Saint John's Bayou	SJMO	Missouri,U.S.A.	36.6290N	89.4760W	91	
Saint Joseph Seminary	SJH	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
Saint Joseph's Hill	JJOM	California,U.S.A.	37.2063N	121.9773W	343	
Saint-Julien-en-Beauchene	OG19	Provence-Cote d'Azur,France	44.6303N	5.7260E	1035	From 1989-10-13
Saint-Julien-le-Roux	VIVF	Rhone-Alpes,France	44.8561N	4.6728E	620	From 1996-04-03
Saint Kitts	SKI	St Kitts,Saint Kitts and Nevis	17.3333N	62.7390W	306	From 1959-04-17
Saint Kitts	STKP	St Kitts,Saint Kitts and Nevis	17.3800N	62.8270W	366	
Saint Kitts 2	SKDB	St Kitts,Saint Kitts and Nevis	17.3969N	62.8083W		From 1988-01-01
Saint Laurent les bains, 07262, Ardeche, Auvergne-Rhone-Alpes	A186A	France	44.6001N	3.9367E	1085	From 2016-06-08
Saint Lonard, STEP, VS	LEO01	Switzerland	46.2509N	7.4264E	497	From 2018-07-13
Saint Louis	SLM	Missouri,U.S.A.	38.6361N	90.2361W	161	From 1909-10-01
Saint Louis du Ha Ha	SLQ	Quebec,Canada	47.6662N	69.0103W	320	From 1984-06-07
Saint-Loup	LOUF	Basse-Normandie	48.6764N	1.2860W	100	From 2018-01-23
Saint Lucia	SLI	St Lucia	14.0280N	61.0080W	30	From 1955-03-08 to 1959-02-02
Saint Lucia, Anse Canot	SLAC	St Lucia	13.8972N	60.8960W	220	From 2013-05-01
Saint Lucia, Bisee	SLBI	St Lucia	14.0230N	60.9740W	22	From 2013-04-04
Saint Martial	SSM	Haiti	18.5556N	72.3375W	26	
Saint Martin du Canigou	SMCF	Languedoc-Rousillon,France	42.5280N	2.4018E	1000	
Saint Martin du Fouilloux	MFF	Poitou-Charentes,France	46.6022N	0.1458W	270	From 1971-03-24
Saint Mary's College	SMCB	California,U.S.A.	37.8388N	122.1116W	177	
Saint Maurice de Rotherens	OGSM	Rhone-Alpes,France	45.6093N	5.6972E	540	
Saint-Maurice-en-Valgodemard	OG14	Provence-Cote d'Azur,France	44.8152N	6.1123E	1090	From 1988-10-26
Saint Michael	STMI	Alaska,U.S.A.	63.5973N	162.4352W	140	From 1980-07-01 to 1983-01-01
Saint Michel d-Aurance, 07276, Ardeche, Auvergne-Rhone-Alpes	A184A	France	44.8920N	4.4516E	750	From 2016-06-09
Saint Nazaire	OCF	Rhone-Alpes,France	44.5783N	5.3021E	840	
Saint-Ouen-de-Mimbre - 72305 - Sarthe - France	SOMF	Pays de la Loire	48.2988N	0.0533E	83	From 2019-10-08
Saint Ours	SURF	Provence-Cote d'Azur,France	44.4808N	6.8128E	1820	From 1983-10-01
Saint Patrick	MSPT	Montserrat	16.6835N	62.1992W	127	
Saint Patrick Mountain	VPMM	Oregon,U.S.A.	43.1933N	120.6660W	1387	
Saint Paul	SP-IS	Alaska,U.S.A.	57.1542N	170.2181W	10	
Saint Paul	SPP	Alaska,U.S.A.	57.1533N	170.2400W		
Saint Paul Island	SPIA	Alaska,U.S.A.	57.1766N	170.2477W	84	From 2000-09-19
Saint Paul Islands	SPI	Alaska,U.S.A.	57.1600N	170.2250W		From 1967-07-02 to 1967-09-10
Saint-Paul - TAAF, France	STPA	Amsterdam Island	38.7142S	77.5312E	0	From 2023-04-10
Saint Petersburg	NE51	Leningradskaya Oblast',Russia	59.8810N	29.8260E	20	
Saint Petersburg	LNN	Leningradskaya Oblast',Russia	59.9333N	30.3000E	3	
Saint Peter's Dome Lookout	SPD	New Mexico,U.S.A.	35.7578N	106.3690W	2566	From 1973-09-01
Saint Peters School	SPSY	New York,U.S.A.	41.3019N	73.8906W	168	
Saint Philip	BBSP	Barbados	13.1045N	59.4579W	35	
Saint Pierre	SPR	St Pierre and Miquelon,Canada	46.7833N	56.1833W		
Saint-Raymond	D59A	Quebec,Canada	47.0073N	71.8358W	204	From 2013-07-31
Saint-Rhmy-en-Bosses	REMY	Italy	45.8378N	7.1565E	2448	From 2011-10-01
Saint Roch-des-Aulnaies	A11	Quebec,Canada	47.2425N	70.1978W	61	From 1977-08-30
Saint-Romphaire - Manche - Normandie - France	SROF	Basse-Normandie	49.0451N	1.1088W	76	From 2019-05-17
Saint Saulge	SSF1	Bourgogne,France	47.1167N	3.5014E		
Saint Saulge	SSF	Bourgogne,France	47.0615N	3.5060E	355	From 1967-03-29
Saint Sauveur de Carouges	SSC	Basse-Normandie,France	48.5842N	0.1075W	300	
Saint Sauveur en Rue	SSB	Rhone-Alpes,France	45.2792N	4.5417E	700	
Saint Simeon	A64	Quebec,Canada	47.8264N	69.8922W	137	From 1977-08-30
Saint-Thibaud-de-Couz	OG09	Rhone-Alpes,France	45.5123N	5.8363E	630	From 1988-10-21
Saint Thomas	STVI	Virgin Islands	18.3514N	64.9539W	12	
Saint Thomas	VST	Virgin Islands	18.3540N	64.9570W	372	From 1975-04-01 to 1999-08-25
Saint Vincent	SVT	St Vincent,Saint Vincent and the Grenadines	13.1698N	61.2418W	49	From 1964-03-03
Saint Vincent	SVI	St Vincent,Saint Vincent and the Grenadines	13.1700N	61.2580W	10	
Saint Vincent's CYO School for Boys, San Rafael	SVIN	California,U.S.A.	38.0333N	122.5264W	0	
SAIP	SAIP	East of Mariana Islands	15.2149N	145.7519E	273	
Saipan	SAPN	Mariana Islands	15.2149N	145.7516E	209	From 1991-01-01
Saipan	DPSS	East of Mariana Islands	15.2408N	145.7891E	144	
Saipan	HTSP	East of Mariana Islands	15.2317N	145.7985E	38	
Saipan	FLX	East of Mariana Islands	15.2339N	145.7917E	87	
Saipan	GOLF	Mariana Islands	15.2251N	145.7862E	75	
Sair Farasan Island	FRSS2	Saudi Arabia	16.8520N	41.7940E	45	
Saitabat	STBT	Turkey	40.1445N	29.2384E	719	From 2013-05-09
Sajaritas	SAJV	Venezuela	10.3648N	71.3511W	65	
Sakahara	SKRH	Madagascar	22.8270S	44.7330E	797	
Sakai	SAA	Tottori,Japan	35.5500N	133.2330E	2	
Sakaide	JJS	Kagawa,Japan	34.3737N	133.9307E	210	
SAKARYA_Geyve	GEYV	Turkey	40.4842N	30.2958E	223	From 2011-09-30
Sakarya_HENDEK	SAHE	Turkey	40.8525N	30.8536E	461	From 2011-01-11
Sakarya, Kaynarca-Tasoluk	KAYN	Turkey	40.9654N	30.3405E	130	From 2014-11-26
Sakata	SAK	Yamagata,Japan	38.9067N	139.8470E	4	
Sakata 2	SKH	Yamagata,Japan	38.8567N	139.9730E	58	From 1978-03-01
Sake	SAKE	Democratic Republic of the Congo	1.5864S	29.0732E	1477	From 2017-06-23 to 2022-07-01
Saki	SHKI	Azerbaijan	41.2050N	47.1950E	600	From 1973-01-01
Sakolnakorn	SKNT	Thailand	16.9742N	103.9815E	254	
Sakura	SKU	Chiba,Japan	35.7167N	140.2330E		
Sala	SALA	Syria	32.7112N	36.7329E	1670	From 1995-02-01
Salacafe	VGTI	Philippines	6.1353N	124.8281E	915	
Sala Consilina	SLCN	Italy	40.3900N	15.6328E	986	
Sala Consilina	SLC1	Italy	40.3951N	15.5960E	563	From 2006-11-28
Saladito	HORQ	Colombia	3.4830N	76.6240W	2295	
Salado	SDO	Atacama,Chile	26.4194S	70.3111W		
Salagasta	ASAL	Mendoza,Argentina	32.5910S	68.8348W	947	
Salakas	ISAL	Lithuania	55.5711N	26.1255E	145	
Salanguillo	SGLO	Ecuador	1.9563S	80.5663W	414	From 2021-11-19
Salao	SALAO	Azores	38.6183N	28.6566W	100	
Salau	SALF	Midi-Pyrenees,France	42.7600N	1.1893E	900	From 1989-01-01
Salazar	SZVM	Mexico D.F.,Mexico	19.3230N	99.3810W	3357	
Salcha River, AK	J25K	Alaska,U.S.A.	64.6130N	145.3697W	949	From 2015-08-24
Sale College, Sale	AUSSC	Victoria,Australia	38.1000S	147.0800E	19	From 2013-11-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Salehabad	SALH	Iran	35.6825N	61.1021E	711	From 2012-03-20
Salem	SALM	Tamil Nadu,India	11.6566N	78.1570E	341	From 2000-01-01
Salem	SX-SD	South Dakota,U.S.A.	43.8747N	97.2500W	488	From 1962-11-09 to 1962-12-12
Salem	VSMM	Oregon,U.S.A.	44.9270N	123.1270W	290	
Salem	SX-	South Dakota,U.S.A.	43.8747N	97.2500W	488	From 1962-11-09 to 1962-12-12
Salemi	T1574	Italy	37.8421N	12.8223E	461	From 2020-09-22 to 2021-04-20
Sale Mountain	SLEB	British Columbia,Canada	51.1667N	118.1330W	2075	
Saletta	MZ01	Italy	42.6716N	13.2708E	859	From 2016-09-19 to 2016-10-14
Salve	SALEV	France	46.0602N	6.0970E	1083	From 2019-04-18
Salfit	SALP	Palestine Territories	32.0686N	35.1914E	475	
SALI	SALII	Bolivia	19.6201S	67.7245W	3779	From 1994-05-30 to 1995-08-08
Saligos	EVSA	Midi-Pyrenees	42.8968N	0.0173W	913	From 2021-12-01
Salihli	KTTT	Turkey,Turkey	38.6883N	28.0930E	493	
Salina	U37A	Oklahoma,U.S.A.	36.4060N	95.1161W	248	From 2010-06-17 to 2012-02-19
Salina	SLNA	Italy	38.5636N	14.8329E	361	
Salina	SNK	Kansas,U.S.A.	38.9530N	97.6030W	407	From 1978-04-18 to 2001-07-15
Salina IE	ISLN	Sicily,Italy	38.5803N	14.8135E	283	From 1988-01-01
Salinas	SALI	Ecuador	2.1860S	80.9908W	85	From 1996-03-07
Salinas	SLN	Antofagasta,Chile	23.1539S	69.6111W	1350	
Salinas Radio	AN12*	California,U.S.A.	36.6685N	121.5190W	399	From 1969-05-09 to 1977-03-04
Salinas Radio Site	BSRM	California,U.S.A.	36.6665N	121.5190W	395	From 1977-03-09
Salinas Radio Site	SRC	California,U.S.A.	36.6685N	121.5190W	399	From 1969-05-09 to 1977-03-04
Sali PS	LL23	Tanzania	2.2969S	35.6900E	1257	From 2013-01-19 to 2014-12-06
Salisbury	DSLB	Dominica	15.4380N	61.4210W	279	From 2014-06-08
Salisbury	P39B	Missouri,U.S.A.	39.4876N	92.7541W	226	From 2011-05-06 to 2012-09-28
Salisbury	P39A	Missouri,U.S.A.	39.4877N	92.7549W	232	From 2010-11-29 to 2011-04-14
Salisca	RO32A	Romania	47.2213N	23.8246E	272	From 2022-09-12
Sal'it	SLTI	Israel	32.2405N	35.0403E	250	From 2002-05-28
Salmas. Az.Gharbi	SLM1	Iran	38.1624N	44.4656E	2388	From 2017-05-17
Salmi	KOVU	Sweden	68.2228N	20.1607E	555	
Salmond Ranch, Choteau	C15A	Montana,U.S.A.	47.7750N	112.6072W	1522	From 2007-09-09 to 2009-08-14
Sal, Murdeira	CVSL2	Cape Verde Islands	16.7091N	22.9402W	24	From 2007-12-01 to 2008-09-01
Salo	SAL	Italy	45.6075N	10.5261E	77	
Salo'	SLOB	Italy	45.6044N	10.5165E	76	From 2019-07-31
Salom-Alik	SALK	Kyrgyzstan	40.8833N	73.8208E	1672	From 1980-06-22
Salome	Y13A	Arizona,U.S.A.	33.8142N	113.8287W	356	From 2006-03-16 to 2008-10-21
Sal, Palmeira	CVSL4	Cape Verde Islands	16.7578N	22.9826W	9	From 2007-12-01 to 2008-09-01
Sal, Pedra Lume	CVSL3	Cape Verde Islands	16.7633N	22.8944W	11	From 2007-12-01 to 2008-09-01
Salr	SALO	Italy	45.6183N	10.5243E	600	From 2005-11-03
Sal, Santa Maria	CVSL1	Cape Verde Islands	16.6008N	22.8977W	5	From 2007-12-01 to 2008-09-01
Salsominore Centrale	SLSC	Italy	44.6323N	9.4059E	381	
Salt	SALJ	Jordan	32.0093N	35.6847E	780	From 1983-09-01
Salta	SLT	Salta,Argentina	24.7833S	65.4167W		
Saltair	SAU	Utah,U.S.A.	40.8197N	112.0730W	1283	From 1974-03-01 to 1982-04-30
Saltdale	SDLC	California,U.S.A.	35.3805N	117.8867W	756	
Saltilio Ejido	D12	Baja California	32.4310N	115.1345W	10	
Saltillo	SALX	Baja California,Mexico	32.4222N	115.1303W	50	From 1994-08-16
Salt Lake City	SLC	Utah,U.S.A.	40.7638N	111.8480W	1423	From 1962-04-01
Salto do Cavalo	SDCA	Azores,Portugal	37.7939N	25.3172W	644	From 1981-01-01
Saltoluokta	SALU	Sweden	67.3801N	18.5067E	500	From 2003-08-24
Salton City	SALN	Arizona	33.2801N	115.9858W	14	From 1999-05-25
Salton Sea Test Base	SLTC	California,U.S.A.	33.2648N	115.9232W	-50	
Salto Pilao - PR	SP7	Parana,Brazil	27.1203S	49.4618W	567	From 2007-01-01
Salt Plains WLR near Rte 11	OK032	Oklahoma,U.S.A.	36.8038N	98.2104W	345	From 2015-03-04
Saltpond	SPG	Ghana	5.2000N	1.0667W	50	From 1980-02-01 to 1980-06-30
Salt Prairie Lookout Tower, Alberta	STPRA	Alberta,Canada	55.6606N	115.8323W	760	From 2014-07-30
Saltspring Island	SSIB	British Columbia,Canada	48.7558N	123.3875W	12	
Saluda	Y55A	South Carolina,U.S.A.	33.9375N	81.8581W	164	From 2013-02-18
Saluda	V53A	North Carolina,U.S.A.	35.6694N	82.8124W	681	From 2012-05-20
Salum	SLUM	Egypt	31.4916N	25.2123E	107	
Salvajina	SALC	Colombia	2.9729N	76.6952W	1430	From 1988-11-01
Salvation Pass	SLVP	California,U.S.A.	33.2385N	115.3044W	254	From 2018-09-27
Salyersville	S52A	Kentucky,U.S.A.	37.6791N	83.0784W	367	From 2012-05-16
SAM9	SAM9	Rondonia	8.8981S	63.2388W	116	From 2022-12-08
Samad	SMDO	Oman	23.0589N	58.0492E	1000	From 2001-07-01
Samaipata	SMB	Bolivia	18.1667S	63.8500W	1650	
Samana, DR	SMDR	Puerto Rico	19.2898N	69.1882W	14	From 2011-07-01
Samana, DR	SMN1	Dominican Republic	19.1878N	69.2733W	521	From 2007-03-01
Samandagi	SMDT	Turkey	36.1090N	35.9490E	20	From 1997-05-01
Samar	SAMR	Israel	29.8331N	35.0215E	119	From 2018-07-11
Samari, N030	N030M	Greece	40.8208N	22.0946E	364	
Samarinda	SMKI	Kalimantan,Indonesia	0.4461S	117.2085E	97	From 2005-01-01
Samarkand	SAM	Uzbekistan	39.6617N	66.9524E	668	From 1913-01-01
Samaxi	SHE	Azerbaijan	40.6380N	48.6390E	840	From 1902-01-01
Sambata de Sus	RO22A	Romania	45.7651N	24.8165E	468	From 2022-08-25
Sambava	SBV	Madagascar	13.4584S	49.9212E	63	From 2009-11-19
Samburg	DY4	Tennessee,U.S.A.	36.4167N	89.3031W	140	From 1969-01-01 to 1972-12-31
Sameba	SAMG	Georgia,Georgia	41.6972N	44.8157E	465	From 2003-01-01
Samen	HSAM	Iran	34.2116N	48.6023E	2330	From 2011-04-01
Samh	SMHA	Greece	38.2512N	20.6477E	5	
samho	PMAM	Republic of Korea	34.7540N	126.4714E	62	From 2020-05-07
Sam Houston State University, Huntsville	438A	Texas,U.S.A.	30.7500N	95.4741W	97	From 2010-02-17 to 2011-12-13
Sammumatsuo	JSMT	Chiba,Japan	35.6427N	140.4483E	34	From 2012-11-01
Samnorwood	SMWD	Texas,U.S.A.	35.1046N	100.2425W	704	From 2017-08-08
Samo	SOI	Italy	38.0722N	16.0550E	300	
Samoens	OG03	Rhone-Alpes,France	46.0667N	6.7305E	1000	From 1990-04-25
Samokov	SAMO	North Macedonia,North Macedonia	41.6928N	21.1392E	638	From 2004-01-01
Samos	SMG	Greece	37.7087N	26.8370E	340	From 1989-06-01
Samos	SMS	Greece	37.8000N	26.7000E		
Samothraki Island	SMTH	Greece	40.4709N	25.5304E	365	From 2009-04-08
Samovar Hills	SAMH	Alaska,U.S.A.	60.1298N	140.7809W	1140	
Sampoiniet, Aceh	SASM	Indonesia	4.8795N	95.4825E	104	From 2019-01-01
Sampolo	SMPL	Corse,France	42.0940N	9.2850E	405	From 1996-10-22
Samsun-Alacam	SAMS	Turkey	41.3610N	36.1872E	192	From 2010-12-01
Samsville	SMV	Illinois,U.S.A.	38.4890N	88.0820W	134	From 1974-04-01
Samuel	SAML	Rondonia,Brazil	8.9488S	63.1832W	101	
Samuel	SRB	Rondonia,Brazil	8.8333S	63.4717W		
Samuel, RO	SAMU	Rondonia,Brazil	8.9153S	63.2507W	125	From 2014-02-15
Sam W. Stewart, Westmorland	SWSC	California,U.S.A.	32.9451N	115.7999W	140	From 1997-09-20
San`a	SANA	Yemen	15.3870N	44.2050E	2280	
Sanada	SDJ	Nagano,Japan	36.4367N	138.3050E	660	From 1968-07-01 to 1973-03-31
Sanadaj _Kordestan	SNJK	Iran	35.4303N	47.0821E	2378	From 2020-06-07
Sanae	SNAA	Dronning Maud Land	71.6707S	2.8379W	846	
Sanae	SNA	Dronning Maud Land	70.3150S	2.3250W	57	
Sanak Island	SNKA	Alaska,U.S.A.	54.4740N	162.7750W	159	
San Alfonso	MT13	Metropolitana	33.7440S	70.2860W	1198	From 2016-12-16
Sanalona	SSIG	Sinaloa	24.8200N	107.1400W	156	From 2014-01-31
Sanana	SANI	Moluccas,Indonesia	2.0496S	125.9881E	28	From 2009-12-03
Sanandaj	SNGE	Iran	35.0925N	47.3470E	1940	From 2004-04-04
San Andreas	JSAM	California,U.S.A.	37.5825N	122.4170W	207	From 1973-10-01
San Andreas	SAC	California,U.S.A.	37.5825N	122.4170W	207	From 1973-10-01
San Andreas Geological Observatory	SAO	California,U.S.A.	36.7640N	121.4472W	317	From 1966-01-01
San Andreas Lake	LT9	California,U.S.A.	37.5760N	122.4230W	335	From 1967-07-13 to 1972-09-27
San Andreas Lake	JSLM	California,U.S.A.	37.5760N	122.4233W	335	
San Andres	SRD	Colombia	6.8132N	72.8503W	1640	From 1975-01-25
San Andres	AUQP	Luzon,Philippines	13.3230N	122.6750E	50	
San Andres	CEDA	El Salvador	13.8028N	89.3949W	455	From 2012-05-24
San Angelo	SA4TX	Texas,U.S.A.	31.8247N	101.4264W	792	From 1967-04-17 to 1967-05-23
San Angelo	SA4	Texas,U.S.A.	31.8247N	101.4264W	792	From 1967-04-17 to 1967-05-23
San Angelo	SA2TX	Texas,U.S.A.	31.5500N	100.9075W	732	From 1967-04-16 to 1967-05-16
San Angelo	331A	Texas,U.S.A.	31.3085N	100.4266W	615	From 2009-03-05 to 2011-01-22
San Angelo	SA2	Texas,U.S.A.	31.5500N	100.9075W	732	From 1967-04-16 to 1967-05-16
San Antonio	SAAN	Costa Rica,Costa Rica	10.1960N	85.4468W	133	
San Antonio	SLP	Guatemala	14.7430N	90.2828W	1410	From 1978-06-01
SAN ANTONIO - HORCONCITO	SALS	Ecuador	0.6415S	80.2794W	21	From 2016-05-11
San Antonio Reservoir	PANM	California,U.S.A.	35.7797N	120.9070W	451	
San Antonio Texas	SAT1	Texas,U.S.A.	28.5550N	98.6450W	-27	From 2010-04-30
San Ardo	PSAM	California,U.S.A.	36.0253N	120.8880W	184	
San Ardo, CA	WUNP	California	35.9333N	120.9068W	524	From 2018-09-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sanarito	SANV	Venezuela	9.5010N	69.5360W	1083	From 2002-05-29
Sanatorio Duran	SDS	Costa Rica	9.9333N	83.8836W	2340	
Sanatorio - la Vina	AHLV	Salta,Argentina	25.4700S	65.5600W	1200	From 1983-01-18
San Augustine	SNAG	Texas,U.S.A.	31.5182N	94.1788W	84	From 2017-08-04
San Bartolo, Chiriqui	SBAR3	Panama	8.3180N	82.8830W	102	From 2010-01-01
San Bartolome de la Torre, Huelva	E008	Spain	37.4969N	7.1304W	184	From 2007-09-26 to 2009-06-23
San Bartolome de Tirajana (Gran Canaria)	CLUM	Canary Islands	27.8180N	15.6503W	435	From 2018-10-09
San Bartolomeo in Bosco (FE)	T0816	Italy	44.7207N	11.5976E	0	From 2012-05-20 to 2012-09-18
San Basile (CS)	SHEVA	Italy	39.8153N	16.1677E	604	From 2023-04-03
San Benito	SBT	California,U.S.A.	36.5095N	121.0760W	442	From 1971-01-28
San Benito	BBNM	California,U.S.A.	36.5095N	121.0760W	442	From 1971-01-28
San Benito	SBEN	Managua,Nicaragua	12.3070N	86.0570W	76	From 2014-05-22 to 2019-07-16
San Bernardino	IIB	Puebla,Mexico	18.9640N	98.3447W	2380	
San Bernardino Valley	SBVC	California,U.S.A.	34.0881N	117.3110W		
San Blas	SBLS	El Salvador	13.8393N	89.6230W	1949	
Sanborn	SANY	New York,U.S.A.	43.1738N	78.8703W	172	From 1977-10-19 to 2002-12-20
Sanbornton	NH1	New Hampshire,U.S.A.	43.5473N	71.5743W	402	
San Bruno Mountain	JSBM	California,U.S.A.	37.6790N	122.3970W	194	
Sancaktepe	SNCT	Turkey	41.0130N	29.2859E	39	From 2022-10-31
Sancaktepe, stanbul	SATE	Turkey	41.0130N	29.2859E	144	From 2019-12-04
San Calixto	LPZ	Bolivia	16.4953S	68.1327W	3658	From 1912-01-01
San Caprasio	ESAC	Spain	41.7219N	0.4693W	815	
San Carlo Canavese	A282A	Italy	45.2545N	7.6133E	428	From 2015-09-16
San Carlo, Sant'Agostino (FE)	SCA04	Italy	44.8240N	11.3667E	0	From 2012-05-30 to 2012-07-18
San Carlo, Sant'Agostino (FE)	CAS05	Italy	44.8022N	11.4097E	9	From 2012-05-24
San Carlo, Sant'Agostino (FE)	SCA05	Italy	44.8097N	11.3917E	0	From 2012-06-09 to 2012-06-12
San Carlo, Sant'Agostino (FE)	SCA03	Italy	44.8030N	11.4276E	0	From 2012-05-30 to 2012-07-16
San Carlo, Sant'Agostino (FE)	SCA02	Italy	44.7998N	11.4434E	0	From 2012-05-29 to 2012-07-16
San Carlo, Sant'Agostino (FE)	SCA01	Italy	44.8035N	11.4070E	0	From 2012-05-29 to 2012-07-16
San Carlo, Sant'Agostino (FE)	SCA06	Italy	44.8120N	11.3750E	0	From 2012-06-09 to 2012-07-16
San Carlos High School, San Carlos	Z17A	Arizona,U.S.A.	33.2969N	110.4723W	846	From 2007-04-16 to 2009-01-21
San Casciano dei Bagni	SACS	Italy	42.8491N	11.9097E	845	From 2004-12-16
San Cayetano, Corrientes, Argentina	SCCA	Misiones	27.5694S	58.6356W	28	From 2016-01-06
SANCHEONG	KSSAC	Republic of Korea	35.4060N	127.8754E	139	From 2000-12-06
Sanchez	DR13	Dominican Republic	19.2405N	69.5887W	400	
Sanchez Grande	LEDA	Uruguay	32.8336S	57.7332W	54	From 2021-12-18
San Chirico Raparo	RAPE	Italy	40.2232N	16.0927E	769	From 2020-10-06
San Clemente Island	SCI	California,U.S.A.	32.9800N	118.5470W	219	From 1967-07-27
San Clemente Island 2	SCI2	California,U.S.A.	32.9799N	118.5470W	199	From 2003-10-23
San Colombano	DSCO	Italy	45.8759N	11.0637E	273	From 2020-02-18
San Costanza, Pesaro Urbino	T1741	Italy	43.7532N	13.0359E	175	From 2022-11-09
San Cristobal	SCRV	Venezuela	7.7889N	72.1917W	818	
San Cristobal	CRIN	Nicaragua	12.7000N	87.0500W	685	
San Cristobal	SCR	Santiago,Chile	33.5000S	71.0000W		
San Cristobal	SCX	Chiapas,Mexico	16.7358N	92.6345W		From 1987-01-01
San Cristbal IPL	LOSC1	Dominican Republic	18.4067N	70.1080W	45	From 2014-11-25 to 2016-01-13
Sandakan	SDKM	Sabah,Malaysia	5.6410N	117.1950E	523	From 2003-04-01
San Damiano	DOI	Italy	44.5041N	7.2466E	1039	
Sand Bay	SBY	Alaska,U.S.A.	51.9976N	176.0920W		From 1948-08-01 to 1951-12-31
Sand Canyon	SNDC	California,U.S.A.	35.1426N	118.3029W	1294	
Sand Creek	SCRK	Alaska,U.S.A.	63.9769N	143.9859W	1375	
Sand Creek, Windsor	P44A	Illinois,U.S.A.	39.4676N	88.6209W	195	From 2011-08-06 to 2013-04-29
Sanden, Yogyakarta	SBJM	Indonesia	7.9680S	110.2661E	17	From 2019-01-01
Sanders	W19A	Arizona,U.S.A.	35.1118N	109.3879W	1785	From 2007-04-29 to 2009-02-02
Sanderson	SAND	Texas,U.S.A.	29.9547N	102.1233W	688	From 2017-02-08
Sanderson	SS-	Texas,U.S.A.	30.0214N	102.3281W	732	From 1961-10-19 to 1963-06-11
Sanderson	SS-TX	Texas,U.S.A.	30.0214N	102.3281W	732	From 1961-10-19 to 1963-06-11
Sanderson Ranch, Post	Z30A	Texas,U.S.A.	33.2861N	101.1282W	729	From 2009-03-10 to 2011-02-06
Sanders Place, Florence	R24A	Colorado,U.S.A.	38.2315N	105.1075W	1978	From 2008-06-02 to 2010-05-04
Sandfield	F49A	Ontario,Canada	45.7627N	82.0423W	230	From 2012-11-10
Sand Hill	SDHHI	Hawaii,U.S.A.	19.3895N	155.2940W	1133	
Sandia	CSAM	California,U.S.A.	37.6737N	121.7040W	215	From 1979-10-09
San Diego	SND	California,U.S.A.	32.7667N	117.0670W	125	
San Diego	SDC	California,U.S.A.	32.6833N	117.2420W		
San Diego Bay	SGB	Alaska,U.S.A.	55.5458N	160.4540W	275	
San Diego Mission Control	SDMC	Baja California	32.7840N	117.1381W	101	
San Diego Road Dept, El Cajon	SDRC	California,U.S.A.	32.7356N	116.9424W	113	From 2001-04-20
Sandillal	CRUP	Costa Rica	10.5017N	85.1247W	192	From 2004-01-01
Sandimen	SSD	Taiwan region	22.7460N	120.6320E	148	
San Donato	SDI	Italy	41.7092N	13.8103E	720	From 1984-06-01
Sand Pete Hill	YUK1	Yukon Territory,Canada	62.1533N	140.5287W	1557	From 2010-08-25
Sandpoint	B11A	Idaho,U.S.A.	48.4366N	116.3674W	870	From 2006-10-05 to 2008-06-12
Sand Point	SDPT	Alaska,U.S.A.	55.3493N	160.4766W	74	From 2002-08-28
Sand Point	SASA	Alaska,U.S.A.	55.3400N	160.4970W	23	
Sand Point	SDN	Alaska,U.S.A.	55.3413N	160.4970W	23	From 1978-10-12 to 2004-09-10
Sand Point BB	SPBA	Alaska,U.S.A.	55.3498N	160.4760W	90	From 1993-07-01
Sandrigo	SANR	Italy	45.6400N	11.6099E	51	From 2007-12-19
Sandskeio	ISAN	Iceland	64.0560N	21.5700W	208	From 1996-10-14
Sandspit	SSQ	British Columbia,Canada	53.2500N	131.8170W	3	From 1977-07-14 to 1978-03-18
Sandwick	SANU	Shetland Islands,United Kingdom	60.0176N	1.2386W	150	
Sandwick	SAN1	Shetland Islands,United Kingdom	60.0179N	1.2392W	150	From 1985-01-01
Sandy Floe Quarry	P403	Washington,U.S.A.	48.0624N	124.1409W	314	From 2005-06-21
Sandy Hook	SHTN	Tennessee,U.S.A.	35.4597N	87.1297W	323	From 1985-09-27 to 1989-06-30
Sandy Lake, NWT	SNLN	Northwest Territories,Canada	62.8304N	107.6119W	0	From 2008-07-12
San Emigdio	SEGC	Colombia	3.5469N	76.2010W	1384	
San Esteban	VA03	Valparaso,Chile	32.7637S	70.5508W	1053	From 2013-11-28
Sanetsch, VS	RAW2	Switzerland	46.3148N	7.3159E	2007	From 2016-10-12
San Evaristo	EVAR0	Baja California	24.9107N	110.7120W	29	From 2013-12-05
San Fabin de Alico	BI02	Bio-Bio	36.6634S	71.2732W	913	From 2014-01-10
San Farael, Volcan Turrialba, Cartago	RAFA	Costa Rica	9.9582N	83.8112W	2575	From 2000-01-01
San Fco. de Macoris	SFDR	Dominican Republic	19.2863N	70.2416W	124	From 2013-08-13
San Fele	SFL3	Italy	40.7889N	15.5782E	1062	
SanFelice sul Panaro (MO)	T0802	Italy	44.8750N	11.1816E	8	From 2012-05-21 to 2012-08-27
San Felipe	SFL	California,U.S.A.	36.9833N	121.4010W	323	From 1971-10-14
San Felipe	SFX	Baja California,Mexico	31.0375N	114.8503W	36	
San Felipe	HFEM	California,U.S.A.	36.9833N	121.4010W	323	From 1971-10-14
San Felipe	BS07	Bolivia	17.9703S	67.1287W	4097	From 2012-01-18
San Felipe	SFP	Baja California,Mexico	31.0317N	114.8300W	4	From 1969-04-26
San Felipe Oa, Saraguro	ONHA	Ecuador	3.4775S	79.1631W	2361	From 2012-07-18
San Felix	SFX2	Panama	8.2935N	81.8688W	0	
San Fernando	SFAH	Trinidad and Tobago	10.3061N	61.4412W	7	From 2022-09-22
San Fernando	SFUC	Spain	36.6370N	6.1750W	88	
San Fernando	SFS	Spain	36.4656N	6.2055W	21	
San Fernando	SFDO	O'Higgins,Chile	34.6143S	71.0138W	690	
San Fernando, CERR	CERRC	Colombia	5.0808N	75.2880W	3768	
San Fernando Hill	SFNH	Trinidad and Tobago	10.2818N	61.4565W	255	From 2022-11-03
San Fernando Open Campus	SFOC	Trinidad and Tobago	10.2675N	61.4693W	4	From 2022-09-29
San Fidel	W21A	New Mexico,U.S.A.	35.1170N	107.6476W	1966	From 2008-01-12 to 2010-02-07
San Francisco	SFC	California,U.S.A.	37.7667N	122.4170W		
San Francisco	FRCO	California,U.S.A.	37.7520N	122.4767W	115	From 2011-05-18
San Francisco	SFM	California,U.S.A.	37.7644N	122.4370W	103	
San Francisco	SFB	California,U.S.A.	37.7767N	122.4520W	100	From 1931-04-01 to 1964-12-31
San Francisco Camp Mather, Mather	S06C	California,U.S.A.	37.8817N	119.8488W	1377	From 2005-10-08 to 2007-10-04
San Francisco, Cebu	SFCP	Cebu	10.6370N	124.3600E	150	From 2016-09-27
San Francisco de Macorix	SFM1	Dominican Republic	19.2874N	70.2441W	114	From 2011-06-17
SAN FRANCISCO DE NOVILLO	NOVI	Ecuador	0.1904S	79.8621W	215	From 2016-05-11
San Francisco Libre	BC87	Nicaragua	12.5073N	86.2901W	102	From 2014-04-15 to 2019-07-16
San Francisco--Rincon	SFR	California,U.S.A.	37.7880N	122.3890W	8	
San Francisco Tecoxpa	MPVM	Mexico D.F.	19.2013N	99.0113W	1980	
San Francisco, Veraguas	SFRA3	Panama	8.2490N	80.9720W	101	From 2010-01-01
San Franciso LIbre	HUGN	Nicaragua	12.2942N	86.1853W	52	From 2016-01-01 to 2019-07-16
San Francisquito	SFQB	Baja California	28.4050N	112.8610W	50	From 2015-02-13
San Fratello	ME02	Italy	38.0332N	14.5901E	677	From 2007-10-19 to 2009-02-03
San Fratello	MSFR	Sicily,Italy	38.0330N	14.5910E	708	From 2010-12-22
San Gabriel, PRI	PRIMX	Baja California	31.5807N	116.0492W	1152	
Sangatta, Kalimantan	SGKI	Kalimantan,Indonesia	0.5300S	117.6040E	178	From 2008-12-01
Sangay 1	SAG1	Ecuador	2.1936S	78.0995W	1237	From 2021-10-13
S. Angelo Dei Lombardi	SNAL	Italy	40.9254N	15.2091E	874	From 2004-08-24
Sangemini	USGN	Italy	42.6042N	12.5378E	342	From 2005-10-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sanger Peak, Six Rivers Natn. Forest, Patrick Creek, CA USA	SANGS	California	41.9104N	123.6494W	1619	From 2021-06-01
San Giacomo	MI09	Italy	42.3658N	13.4144E	782	From 2009-04-28 to 2009-06-09
San Gibilmanna	SG6*	Sicily,Italy	37.9869N	14.0261E		From 1966-04-01 to 1966-05-01
Sangihe	SGSI	Mindanao,Philippines	3.6860N	125.5286E	100	From 2005-01-01
Sangi-Kar	SNGI	Tajikistan	39.0300N	70.1300E	1400	
San Giorgio Morgeto	GIOM	Italy	38.3861N	16.1099E	550	From 2023-10-04
San Giovanni	MZ105	Italy	42.6927N	13.2078E	1010	From 2016-10-13 to 2016-10-30
San Giovanni Incarico	LIK	Italy	41.5047N	13.5580E	196	From 2010-02-12
San Giovanni in Croce	SGVC	Italy	45.0765N	10.3798E	65	From 2021-02-25
San Giovanni in Paganica (AQ), Italy	SGFR	Italy	42.5012N	13.2749E	885	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGF2	Italy	42.5037N	13.2828E	913	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGF3	Italy	42.5095N	13.2757E	857	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGF1	Italy	42.5075N	13.2773E	874	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGF5	Italy	42.5068N	13.2809E	940	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGF7	Italia	42.5072N	13.2877E	1101	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGF6	Italy	42.5038N	13.2855E	1000	From 2016-11-24 to 2016-11-30
San Giovanni Rotondo	SGRT	Italy	41.7546N	15.7437E	960	From 2006-05-24
San Giovanni Suergiu(CI)	SU06	Sardinia	39.1196N	8.4925E	101	From 2014-09-24 to 2015-09-02
Sangir Balai Janggo, Sumatera Barat	JASI	Indonesia	1.4145S	101.4584E	262	From 2019-10-01
Sangir, Sumatera Barat	SSSM	Indonesia	1.5641S	101.2375E	563	From 2019-01-01
San Giuliano del Sannio	MSSG	Italy	41.4561N	14.6385E	639	From 2008-05-10
San Giuliano Nuova Scuola Iovine	SGSC	Italy	41.6892N	14.9581E	517	From 2011-06-01
San Giuliano Parco Memoria	SGPA	Italy	41.6876N	14.9629E	509	From 2011-06-01
San Giustino Valdarno	TSGT	Italy	43.5579N	11.7020E	330	From 2006-05-18
San Giusto Canavese	PCNV	Italy	45.3120N	7.7910E	89	From 2005-12-03
Sangju	KSSAJ	Republic of Korea	36.4080N	128.1575E	128	From 2006-12-30 to 2019-03-18
Sangmyun	SGMA	Republic of Korea	37.8280N	127.2880E	287	From 2018-03-09
San Gregorio	GIO	Sicily,Italy	37.5667N	15.1083E	330	From 1989-02-01
San Gregorio	SGP	Peru	16.5621S	72.7136W	108	
Sangsangzhen, Xizang Zizhiqu	SSAN	Xizang Zizhiqu,China	29.4238N	86.7290E	4585	From 2001-09-14 to 2002-09-08
Sang-Tuda	SAT	Tajikistan	37.9667N	69.0333E		
Sanguang	NSK	Taiwan region	24.6760N	121.3580E	682	
Sanharo	SABR	Pernambuco,Brazil	8.3138S	36.5536W	760	From 2007-01-01
San Idelfonso Volcan Cerro Negro	ILCN	Nicaragua	12.5773N	86.7000W	168	From 2001-01-01
San Ignacio	SIV	Bolivia	15.9913S	61.0722W	520	From 1990-03-01
San Ignacio de Huinay	LL01	Los Lagos	42.3787S	72.4126W	62	From 2013-10-05
Sanikiluaq	SAKN	Quebec,Canada	56.5359N	79.2323W	2	From 2014-11-25
Sanikiluaq	SNKN	Quebec,Canada	56.5362N	79.2315W	10	From 2009-07-25
Sanikiluaq	SNQN	Quebec,Canada	56.5418N	79.2254W	15	From 2006-09-20
San Isidro	TSIS	Canary Islands	28.0697N	16.5922W	250	From 2016-10-28
San Isidro (Turrialba)	RESJ	Costa Rica	10.0295N	83.6433W	806	
San Jacinto	SJAS	El Salvador	13.6667N	89.1667W	1100	
San Jacinto, Colombia	SJCC	Colombia	9.8967N	75.1795W	596	From 2011-05-03
San Javier	SJC	Linares,Chile	35.6417S	71.7250W	80	
San Javier	SJVR	Maule,Chile	35.5902S	71.7383W	97	
San Jeronimo	SJRM	Guerrero,Mexico	17.1380N	100.4740W	40	
San Jernimo, El General	SAJE	Costa Rica	9.3460N	83.5087W	1348	
San Jernimo (Tarrazu)	PISJ	Costa Rica	9.6319N	84.1227W	1264	
San Joaquim	CNTR	Baja California	31.7500N	116.0000W	1144	
San Joaquin	SJPY	Paraguay	24.9973S	56.1038W	337	From 2017-03-16
San Joaquin	SJX	Baja California,Mexico	31.7628N	115.9590W		From 1986-01-01
San Joaqun	BB03	Bolivia	17.0312S	64.8752W	240	From 2011-11-24
San Joaquin Reservoir	SJQ	California,U.S.A.	33.6200N	117.8450W	165	From 1971-07-07 to 1999-08-25
San Jorge	JORG	Ecuador	0.2172S	78.6457W	2800	
San Jorge 1	JOR1	Ecuador	0.0001S	78.6387W	2690	
San Jose	CENT	Costa Rica,Costa Rica	9.9308N	84.0797W	1165	
San Jose	SJR	Costa Rica	9.9350N	84.0778W	1156	
San Jose	SJ-TX	Texas,U.S.A.	27.6119N	98.3128W	114	From 1961-11-01 to 1967-09-30
San Jose	SJMP	Mindoro,Philippines	12.4610N	121.1190E	27	
San Jose	SNJE	El Salvador	13.8683N	89.6057W	1694	
SAN JOSE	JOSE	Ecuador	1.2376S	80.7812W	26	From 2016-05-18
San Jose, Antique	JAP	Philippines	10.7472N	121.9465E	18	From 2010-06-23
San Jose de las Matas	DR02	Dominican Republic	19.3542N	70.7718W	490	
San Jose del Guaviare	GUVC	Colombia	2.5448N	72.6273W	217	
San Jose del Monte	SBPH	Luzon,Philippines	14.7950N	121.1160E	240	
San Jos del Palmar, Choc	PLMC	Colombia	4.9052N	76.2827W	675	From 2011-10-04
San Jose del Viejo B.C.S	NE79	Baja California	23.1190N	109.7560W	225	
San Jose de Maipo	SJCH	Santiago,Chile	33.6407S	70.3538W	997	
San Jos de Ur, Cordoba	UREC	Colombia	7.7517N	75.5327W	251	From 2012-04-27
San Jos, Escuintla	ESSJ	Guatemala	13.5619N	90.5009W	8	
San Jose Maipo	SJM	Santiago,Chile	33.6500S	70.3667W	967	
San Jose Pinula	GUSP	Guatemala	14.5520N	90.3168W	2450	From 2021-08-16
San Jose, RAG	RAGC	Colombia	7.6300N	72.4988W	1468	
San Jose Seismic Satellite Station	SCSP	Luzon	13.6539N	123.5200E	10	
San Jose (USA)	SJ-	Texas,U.S.A.	27.6119N	98.3128W	114	From 1961-11-01 to 1967-09-30
San Juan	SJA	San Juan,Argentina	31.5277S	68.5607W	660	
San Juan	SJP	Puerto Rico	18.3817N	66.1183W	80	From 1925-12-01 to 1965-12-31
San Juan	SJU	Peru	15.3560S	75.1790W	75	
San Juan	JUAN	Ecuador	0.2083S	78.5917W	3590	
San Juan	SJG	Puerto Rico	18.1117N	66.1500W	45	From 1964-09-23
San Juan 2	JUA2	Ecuador	0.2138S	78.6052W	3670	
San Juan Bautista	HBTM	California,U.S.A.	36.8502N	121.5510W	98	From 1975-06-05
San Juan Bosco	BOSC	Ecuador	3.1512S	78.4951W	1398	From 2012-11-21
San Juan Cuauhtemoc	PBP	Mexico	19.4100N	98.6270W	2920	
San Juan de Arama, Meta	SJAC	Colombia	3.2730N	73.9510W	969	From 2010-11-01
San Juan de la Maguana	SJM1	Dominican Republic	18.8030N	71.2189W	434	From 2011-06-14
San Juan de la Rambla	TSJR	Canary Islands	28.3283N	16.6113W	1709	From 2016-11-03
San Juan del Sur	SSNN	Nicaragua	11.2878N	85.8495W	415	
San Juan del Sur	SSN	Nicaragua	11.3012N	85.8535W	160	From 1975-01-01
San Juan de Rio Coco, Nicaragua	RCON	Nicaragua	13.4842N	86.1560W	1324	From 2012-04-15
San Juan Grade	AN3*	California,U.S.A.	36.7980N	121.5740W	171	From 1967-06-21
San Juan Grade	HJGM	California,U.S.A.	36.7980N	121.5740W	171	From 1967-06-21
San Juanillo, Guanacaste	SAJU	Costa Rica	10.0673N	85.7105W	90	From 2000-01-01
San Juan North Secondary	SJNS	Trinidad and Tobago	10.6721N	61.4524W	50	From 2023-01-23
San Juan, Peru	SJN	Peru	13.4117S	75.9467W	500	
San Juan River Ranch, S19	SCR19	Colorado	37.3456N	106.9137W	2342	
SanJuan Tecuaco	SJT	Guatemala	14.0813N	90.2688W	460	From 1980-02-01 to 1999-08-25
San Juan UASD	SJG1	Dominican Republic	18.8133N	71.2225W	434	From 2014-11-27
San Juan (W)	SJGC	Puerto Rico	18.1117N	66.1500W	45	From 1964-09-23
Sankelmark Bunker	SKMB	Schleswig-Holstein	54.7176N	9.4385E	37	From 2013-09-02
Sankt Quirin	SQTA	Austria	47.2205N	11.2087E	1307	From 1989-05-01
San Lazaro	A490	Costa Rica	10.2723N	85.4582W	0	From 2000-01-01
San Leandro Hills	CSLM	California,U.S.A.	37.7242N	122.1193W	219	
San Leucio (CB)	T1415	Italia	41.8796N	14.8249E	420	From 2018-08-30 to 2018-10-24
anlıurfa/Hilvan/Hanmaara	HANM	Turkey	37.5799N	38.8805E	599	From 2016-12-15
SANLIURFA_Merkez	SANL	Turkey	37.1712N	38.9892E	505	From 2011-10-31
SANLIURFA_SURC	SURC	Turkey	36.8793N	38.6128E	632	From 2010-11-28
San Lorenzo	SLA	Salta,Argentina	24.7212S	65.5045W	1520	From 1977-02-01
San Lorenzo	LORV	Venezuela	9.7821N	71.0631W	0	
San Lorenzo	LORE	Ecuador	1.2960N	78.8453W	1	From 1992-07-08
SAN LORENZO 2	LOR1	Ecuador	1.0543S	80.9134W	2	From 2016-05-16
San Lorenzo a Pinaco	MZ27	Italy	42.6124N	13.2966E	1007	From 2016-10-11 to 2016-11-22
San Lorenzo Bellizzi	SALB	Italy	39.8772N	16.3459E	1200	From 2009-09-03
San Lorenzo - Cotopaxi	SLOR	Ecuador	0.7298S	78.4967W	3600	From 2015-06-16
San Lorenzo-Esmeraldas	SNLR	Ecuador	1.2926N	78.8471W	4	From 2016-03-10
San Lorenzo Flaviano	MZ06	Italy	42.6647N	13.2861E	975	From 2016-09-19 to 2016-10-26
San Luis	T24B	Colorado,U.S.A.	37.0624N	105.3817W	2625	From 2009-08-14 to 2010-04-12
San Luis	SLU	Arizona,U.S.A.	32.5017N	114.7770W	41	From 1973-04-16
San Luis Creek Check 11 ,Merced County	SCKWR	California,U.S.A.	37.1833N	121.0702W	69	From 2004-05-04
San Luis Dam	HSLM	California,U.S.A.	37.0802N	121.0940W	122	From 1974-03-02
San Luis Dam	SLD	California,U.S.A.	37.0747N	121.2210W	443	From 1965-11-01
San Luis Fatjo Ranch, Merced County	SFJWR	California,U.S.A.	37.0493N	121.1725W	427	From 2004-05-04
San Luis Gonzaga	SLGB	Baja California	29.8300N	114.4040W	15	From 2016-09-05
San Luis Potosi, SLP	CSLP	Mexico	32.5283N	115.1017W	15	
San Luis Rio Colorado	SLRCX	Sonora	32.4579N	114.7050W	51	From 2015-06-05
San Luis Ro Colorado	SLX	Sonora,Mexico	32.4560N	114.7048W	40	From 2008-10-03
San Manuel, Pangasinan, Philippines	SMPP	Luzon,Philippines	16.1503N	120.6800E	300	From 2012-09-04
San Marcial	SMNM	New Mexico,U.S.A.	33.7787N	107.0190W	1560	
San Marco di Savelli	SAVE	Italy	42.7171N	13.1360E	1113	From 2011-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
San Marco in Lamis (FG) Italy	OT03	Italy	41.7120N	15.6497E	655	From 2013-04-15
San Marcos	SMCN	Nicaragua	11.9067N	86.2019W		From 1990-01-01
San Marcos	SMSP	Guatemala	14.9735N	91.7812W	2364	
San Marcos	SMAM	Guerrero,Mexico	16.7855N	99.3982W		
San Marcos de Tarrazu	RAZU	Costa Rica,Costa Rica	9.6590N	84.0230W	1450	
San Marino	RSM2	San Marino	43.9377N	12.4451E	645	From 2011-11-11
San Marino	ESMR	San Marino	43.9159N	12.4407E	511	From 2006-07-18
San Martin	MRA	San Luis,Argentina	32.4190S	65.7172W	1095	From 1983-11-01
San Martn	VMM05	Colombia	7.9068N	73.5570W	86	From 2015-10-08
San Martin Antarctic Base	SMAI	Antarctic Peninsula	68.1302S	67.1059W	8	From 2007-02-02
San Martn de Loba, Colombia	SMLC	Colombia	8.8010N	74.0713W	116	From 2012-10-28
San Martin Jilotepeque	CMSM	Guatemala	14.7828N	90.7937W	1970	From 2021-06-13
SAN MARTINO	SMA1	Italy	42.6305N	13.3353E	1150	From 2009-08-13
SAN MARTINO	FEM4	Italy	44.7836N	11.5929E	-140	From 2020-08-10
San Martino d'Ocre	RM03	Italy	42.2743N	13.4717E	1483	From 2009-04-06 to 2009-08-31
San Martino in Pensilis (CB)	T1413	Italy	41.8520N	15.0172E	240	From 2018-08-17 to 2018-10-23
San Miguel	SMX	Baja California,Mexico	31.6880N	115.9040W		
San Miguel	SMMM	Mexico D.F.,Mexico	19.7398N	98.7405W		From 1988-01-01
San Miguel	MGUL	Ecuador	0.2587S	78.5843W	3498	
San Miguel	VSM	El Salvador	13.4281N	88.2742W	2129	
San Miguel de Abona, Tenerife	CTFS	Canary Islands	28.0848N	16.6331W	521	From 2017-11-02
San Miguel Island	BSM	California,U.S.A.	34.0375N	120.3500W	172	From 1969-11-01
San Miguel Ranch, Cuba	V22A	New Mexico,U.S.A.	35.9138N	106.9094W	2164	From 2008-05-02 to 2010-04-04
San Miguel Topilejo	TLVM	Mexico D.F.	19.2098N	99.1540W	2769	
San Mina'	SMIN	Italy	38.9730N	16.2283E	540	From 2013-08-12
San Nicola dell'Alto	LADO	Italy	39.2840N	16.9795E	488	From 2008-05-10
San Nicols	SNIRB	Baja California	26.5420N	111.5490W	7	From 2014-12-10
San Nicolas Island	SNCC	California,U.S.A.	33.2479N	119.5244W	275	From 1994-05-01
San Nicolas Island	BSN	California,U.S.A.	33.2450N	119.5070W	259	From 1970-03-01
San Nicolas Island	SNC	California,U.S.A.	33.2483N	119.5230W	275	From 1957-07-24 to 1968-01-24
Sannicolau Mare	SNMR	Romania	46.0713N	20.6017E	133	From 2021-07-20
Sannotorii	STRE	Nagano,Japan	36.4014N	138.5517E	1825	
San Onofre	SNS	California,U.S.A.	33.4322N	117.5490W	152	From 1975-01-01
San Pablo	PAB	Spain	39.5458N	4.3483W	938	From 1992-10-01
San Pablo	EPAB	Spain	39.5449N	4.3499W	946	
San Pablo	ABE2	Costa Rica,Costa Rica	9.7043N	84.0540W	1942	
San Pablo Dam	ZSP	California,U.S.A.	37.9450N	122.2570W	119	From 1978-11-03
San Pablo de Borbur, Boyac	SPBC	Colombia	5.6520N	74.0720W	799	From 2013-07-12
San Pablo Ridge	CSPM	California,U.S.A.	37.9575N	122.3110W	216	
San Pablo, S25	SCR25	Colorado	37.1236N	105.3854W	2509	
San Pablo Viejo, Chiriqui	DVD3	Panama	8.4400N	82.4520W	36	From 2010-01-01
San Pedro	U73B	Valparaiso,Chile	33.9164S	71.4198W	186	
San Pedro, Conguaco	JUT3	Guatemala	14.0125N	90.0230W	1200	From 2021-10-30
San Pedro de Atacama	AF01	Antofagasta	22.9521S	68.1789W	2449	From 2015-06-05
San Pedro de Atacama	SPCH	Antofagasta,Chile	22.9083S	68.1994W	2455	From 2004-07-30
San Pedro de Concepcion	CCSP	Bio-Bio,Chile	36.8443S	73.1087W	35	From 2009-07-23
San Pedro de Poas	POAS	Costa Rica	10.0760N	84.2430W	1154	
San Pedro Hill	SPH	California,U.S.A.	33.7467N	118.3350W	445	From 1971-07-07 to 1974-03-31
San Pedro Martir	SPIG	Sonora,Mexico	31.0458N	115.4658W	2780	
San Pedro Martir	SPX	Baja California,Mexico	31.0366N	115.4652W	2793	From 1981-10-20
San Pedro Martir, SPM	SPMC	Mexico	31.4833N	115.4550W	939	
San Pedro Poas	SPS	Costa Rica	10.0776N	84.2512W	1120	
San Pedro Sula	SSU	Honduras	15.5000N	88.0500W	200	
San Pedro UASD	SPM1	Dominican Republic	18.4466N	69.3063W	11	From 2013-08-29
San Pelino (Cagnano Amiterno)	T0107	Italy	42.4726N	13.2475E	1145	From 2009-04-09
San Pietro Avellana	SPVL	Italy	41.4736N	14.1097E	984	From 2019-09-24
San Pietro di Carida'	SPDC	Italy	38.5263N	16.1322E	300	From 2019-06-28
San Pietro in Casale	SPCA	Italia	44.7060N	11.4204E	10	From 2015-06-12
San Policarpo Eastern Samar Seismic Station	SPEP	Philippines	12.2103N	125.4615E	109	
SAN POLO MATESE	SPT1	Italy	41.4580N	14.4927E	785	From 2008-05-20
San Possidonio	CORR	Italy	44.9020N	11.0095E	12	
San Potito Sannitico (CE)	T1011	Italy	41.3596N	14.4175E	1151	From 2013-12-30 to 2014-03-03
San Quintin	SQX	Baja California	30.5762N	115.8760W	105	
San Rafael	RFA	Mendoza,Argentina	34.7708S	68.4660W	850	
San Rafael	REVN	Ecuador	0.0749S	77.6249W	2117	
San Rafael, Buenos Aires, Puntarenas	SRBA	Costa Rica	9.2321N	83.3601W	974	From 2014-05-22
San Rafael Swell	SRU	Utah,U.S.A.	39.1108N	110.5238W	1804	From 1990-11-20
San Ramon	CRAM	California,U.S.A.	37.7672N	121.9380W	171	From 1976-09-02 to 2008-07-16
San Ramon	RAMO	Costa Rica,Costa Rica	10.0870N	84.4670W	1069	
San Ramon	SRA	Costa Rica	10.0825N	84.4482W	1160	From 1974-01-01
San Ramn	SRA1	Costa Rica	10.0850N	84.4800W	1101	
San Ramon, TISM	TISMR	Nicaragua	12.1128N	86.0665W	114	
San Ramn-Volcn Cotopaxi	SRAM	Ecuador	0.7502S	78.5669W	3073	From 2015-07-23
Sanremo	SNRM	Italy	43.8227N	7.7868E	44	From 2022-12-13
Sanriku	SNI	Iwate,Japan	39.1067N	141.7580E	518	
San Roque	SRQ	Spain	36.2575N	5.3742W	202	
San Salvador	SSS	El Salvador	13.6811N	89.1981W	665	
Sansepolcro	SSP9	Italy	43.5739N	12.1314E	207	From 2010-12-15
Sansepolcro	SNS1	Italy	43.5735N	12.1312E	366	From 2015-02-02
San Sevaine	SS2	California,U.S.A.	34.2077N	117.5000W		From 1976-01-01
San Severino Marche	SSM1	Italy	43.2288N	13.1770E	240	From 2011-04-24
San Severo (FG)	OT17	Italia	41.6876N	15.3698E	91	From 2021-07-13
San Sossio Baronia	SSB3	Italy	41.0785N	15.2292E	724	
Sans Toucher	SSG	Guadeloupe,France	16.0887N	61.6788W	1210	
Santa	SZP	Luzon,Philippines	17.5510N	120.4560E	50	From 1979-04-11
Santa Ana	ANIL	Colombia	4.4910N	75.4030W	2300	
Santa Ana	SANC	California,U.S.A.	33.7053N	117.8858W	11	
Santa Ana	SANTA	Costa Rica,Costa Rica	9.9330N	84.1850W	906	
SANTA ANA	STNA	Ecuador	1.2212S	80.3433W	79	From 2016-05-17
Santa Barbara	ASTB	Jujuy,Argentina	23.9482S	64.4532W	1490	
Santa Barbara	SBC	California,U.S.A.	34.4417N	119.7133W	90	From 1927-05-10
Santa Barbara	ASBA	Azores,Portugal	38.7203N	27.3253W	675	From 1981-04-16
Santa Barbara Island	SBI	California,U.S.A.	33.4807N	119.0290W	6	
Santa Catalina Island West	CIW	California,U.S.A.	33.4653N	118.5520W	50	
Santa Caterina dello Ionio	SCAI	Italy	38.5343N	16.5177E	450	From 2017-03-24
Santa Cesarea Terme	SCTE	Italy	40.0724N	18.4675E	150	From 2006-02-02
Santa Chiara	ECHR	Sicily,Italy	37.6863N	14.9129E	1168	From 2009-02-03
Santa Clara	SCUT	Utah,U.S.A.	37.1282N	113.6447W	837	From 2008-05-01
Santa Clara	SCL	California,U.S.A.	37.3500N	121.9500W	28	From 1909-01-01 to 1955-12-31
Santa Clara	PFSC	Portugal	37.4738N	8.4260W	218	From 1996-01-01 to 2009-05-30
Santa Clara	EGX	Sonora,Mexico	31.7102N	114.4780W		From 1981-09-22
Santa Clara	STCC	California,U.S.A.	34.3030N	119.1868W	180	
Santa Clara County Offices	SCCB	California,U.S.A.	37.2874N	121.8642W	98	
Santa Clara, W. de V.Baru	SCLRA	Panama	8.8330N	82.7820W	1193	
Santa Coloma	SCOL	Andorra	42.4930N	1.4963E	961	From 2010-09-01
Santa Cristina FI	T1648	Italy	43.6656N	11.2823E	234	From 2022-05-05 to 2022-09-07
Santa Cristina (Gubbio) - PG	AT09	Italy	43.3144N	12.5405E	521	From 2010-03-31
Santa Croce Camerino	CROCE	Italy	36.8326N	14.5345E	112	From 2018-07-19
Santa Cruz	SCZ	California,U.S.A.	36.5980N	121.4030W	261	From 1986-11-06
Santa Cruz	SCA	Patagonia,Argentina	49.8333S	72.0500W		
Santa Cruz	SCZP	Luzon,Philippines	15.7744N	119.9115E	69	
Santa Cruz	SCC	California,U.S.A.	37.0067N	121.9970W	128	From 1961-06-11 to 1965-02-28
Santa Cruz	STCR	O'Higgins,Chile	34.6408S	71.3647W	175	
Santa Cruz	SACU	Costa Rica,Costa Rica	10.2630N	85.5840W	66	
Santa Cruz	STGR	Azores,Portugal	39.0802N	28.0031W	124	From 1990-07-19
Santa Cruz	SCRN	Nicaragua	12.7317N	86.9383W	500	
Santa Cruz, CA USA	HUG01	California,U.S.A.	36.9503N	122.0526W	20	From 2014-12-21
Santa Cruz da Graciosa, Aores	PSCRZ	Azores	39.0858N	28.0092W	20	From 2017-07-10
Santa Cruz Island	BSC	California,U.S.A.	33.9947N	119.6330W	457	From 1969-11-01
Santa Cruz Island 2	SCZ2	California,U.S.A.	33.9954N	119.6351W	440	From 2003-11-04
Santa Cruz, Renacimiento	SCZRO	Panama	8.6460N	82.7600W	664	
Santa Domenica Talao (CS)	T0712	Italy	39.8205N	15.8519E	248	From 2011-11-26 to 2012-07-13
Santa Elena	AR5	Costa Rica	10.3414N	84.8247W	1420	
Santaella, Cordoba	E020	Spain	37.5653N	4.8445W	309	From 2007-07-05 to 2009-06-22
Santa Emilia	CNG6	Nicaragua	12.5093N	86.7112W	391	From 2004-01-01
Santa Fe	SFJM	Jalisco,Mexico	20.4865N	103.0395W	1500	
Santa Fe	PT09	Peru	11.6670S	76.1930W	5200	From 1983-08-26
Santa Fe, Veraguas	SAFE3	Panama	8.5170N	81.0780W	300	From 2010-01-01
Sant Agata di Puglia	SGTA	Italy	41.1350N	15.3650E	890	From 2006-01-18

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sant'Agata Feltria RN	MF02	Italy	43.8654N	12.2107E	626	From 2019-04-19
Santa Giustina	DSGI	Italy	46.3455N	11.0628E	534	From 2016-09-05
Santa Helena	SHP	Peru	16.1972S	72.4739W	471	
Santa Helena	HELE	Antioquia,Colombia	6.2341N	75.5477W	2788	From 2008-01-01
Santa Helena	HELC	Colombia	6.1908N	75.5288W	2815	From 1994-01-01
Santa Isabel	ISAV	Venezuela	9.5068N	70.8563W		
Santa Isabel	ISA2	Colombia	4.8302N	75.3948W	4250	
Santa Isabel viejo, SIV	SIVMX	Baja California	31.8708N	115.8160W	1510	
Santa Julia	SJUZ	El Salvador	13.5200N	88.5335W	1024	
Sant'Alessio in Aspromonte	SAAM	Italia	38.1733N	15.7583E	586	From 2022-11-03
Sant'Alfio	ESAL	Sicily,Italy	37.7545N	15.1345E	720	From 1994-10-01
Santa Luce (PI)	A319A	Italy	43.4764N	10.5787E	342	From 2015-12-11
Santa Lucia	STL	Santiago,Chile	33.4361S	70.6411W	595	
Santa Mara de Jesºs	SASJ	Guatemala	14.4839N	90.7122W	2184	From 2021-08-26
Santa Margarita	PMGM	California,U.S.A.	35.4298N	120.5200W	529	
Santa Maria	PSMA	Azores,Portugal	36.9950N	25.1288W	123	
Santa Maria Delle Macchie	T1101	Italia	41.4746N	14.5360E	510	From 2016-01-19
Santa Maria do Tocantins	SMTB	Tocantins,Brazil	8.8617S	47.5887W	310	From 2011-09-05
Santa Maria Island	SAZ	Azores,Portugal	36.9717N	25.1683W		
SANTA MARIA MADDALENA	FEM6	Italy	44.9029N	11.5960E	-140	From 2020-08-10
Santa Maria Salina	ISNA	Sicily	38.5546N	14.8496E	977	From 2020-10-06
Santa Marinella - RM	TO05	Italy	42.0615N	11.8646E	88	From 2008-04-28 to 2009-04-02
Santa Marta, Magdalena	SMRC	Colombia	11.1638N	74.2245W	122	From 2012-09-15
Santandra', Italy	MSTD	Italy	45.7486N	12.2003E	101	From 2010-06-08
Sant'Angelo	MZ07	Italy	42.6495N	13.3047E	1012	From 2016-09-20 to 2016-10-26
SANT' ANGELO A CUPOLO	SGC08	Italy	41.0603N	14.8152E	388	From 2014-01-01
Sant'Angelo in Pontano	SAP2	Italy	43.0967N	13.3992E	402	From 2010-09-08
Sant'Angelo In Vado	SAIV	Italy	43.6648N	12.4131E	360	From 2013-12-17
Sant Anna di Valdieri	STV	Italy	44.2455N	7.3260E	930	From 1966-01-01
Sant' Anna di Valdieri 2	STV2	Italy	44.2455N	7.3260E	930	From 1995-01-01 to 2007-12-31
Sant'Antonio	MI08	Italia	42.3574N	13.3713E	650	From 2009-04-28 to 2009-06-09
Santa Pau	NE30	Spain	42.1600N	2.6450E	245	
Santaquin	SNQU	Utah,U.S.A.	39.7947N	111.9030W	1853	From 1990-08-30
Santaquin Canyon	SUU	Utah,U.S.A.	39.8887N	111.7920W	1987	From 1974-09-01 to 1990-08-21
Santarm	PSANT	Portugal	39.2424N	8.6928W	131	From 2015-10-13
Santa Rosa	SRP	Puebla,Mexico	18.8967N	97.7800W		
Santa Rosa	NY17	Costa Rica	10.8387N	85.6180W	300	From 2005-11-01 to 2006-07-01
Santa Rosa, C13	TUC13	Nicaragua	11.9936N	83.7719W	37	
Santa Rosa de Copan	SARH	Honduras	14.7756N	88.7605W	707	From 2016-01-01
Santa Rosa del Penon, N9	TUN9	Nicaragua	12.7869N	86.3737W	166	
Santa Rosalia	SRV	Venezuela	8.5480N	71.2860W	1300	
Santa Rosalia	SRL	Baja California,Mexico	27.3288N	112.2760W		
Santa Rosalia	SRIG	Baja California,Mexico	27.3198N	112.2410W	61	From 2008-02-20
Santa Rosa Mine	SME	California,U.S.A.	33.8227N	117.3550W	494	
Santa Rosa Mountain	SMO	California,U.S.A.	33.5358N	116.4617W	0	
Sant'Arsenio	SRN3	Italy	40.4861N	15.4580E	1067	
Santa Sofia	SFI	Italy	43.9048N	11.8469E	548	From 1987-01-01
Santa Sofia	STFA	Italy	43.9081N	11.7944E	640	
Santa Teresa de Quinhue	G08S	Maule	34.7977S	71.7007W	100	
Santa Teresa di Riva	STRV	Italia	37.9490N	15.3650E	74	From 2002-11-04
Santa Teresa Hills	JSTM	California,U.S.A.	37.2068N	121.7970W	149	From 1975-10-02
Santa Teresa, Rocha	ROST	Uruguay	34.0010S	53.5540W	0	From 2016-06-10
Santa Teresita	RVSTA	Costa Rica,Costa Rica	9.9760N	83.6477W	853	
Santa Venerina	EVRN	Sicily,Italy	37.6887N	15.1355E	364	From 1989-04-01
Santa Ynez Peak	SYP	California,U.S.A.	34.5267N	119.9780W	1305	From 1967-06-07
Sant Celoni	CELO	Spain	41.6896N	2.4923E	150	From 2009-01-01
Sant'Elia 1	MI10	Italia	42.3368N	13.4308E	607	From 2009-04-29 to 2009-06-08
Sant'Elia a Pianisi	CIGN	Italy	41.6542N	14.9050E	350	From 2003-03-26
Sant' Elia Fiumerapido	SEFR	Italy	41.5413N	13.8629E	163	From 2021-10-24
Santiago	PUCM	Dominican Republic	19.4403N	70.6814W	177	From 2007-01-01
Santiago	SAN	Santiago,Chile	33.4531S	70.6617W	533	
Santiago	STS	Spain	42.8860N	8.5509W	265	
Santiago	STAG	Cape Verde Islands	15.0922N	23.7487W	325	
Santiago, Achada Fazenda	CVST5	Cape Verde Islands	15.1186N	23.5200W	26	From 2007-12-01 to 2008-09-01
Santiago aeropuerto	SC02	Dominican Republic	19.4027N	70.6047W	196	From 2011-06-18
Santiago, Assomada	CVST3	Cape Verde Islands	15.0983N	23.6659W	556	From 2007-12-01 to 2008-09-01
Santiago de Compostela	NE26	Spain	42.8860N	8.5520W	245	
Santiago de Cuba	MARVS	Cuba	20.0000N	75.9000W	100	
Santiago de los Caballeros	SC01	Dominican Republic	19.4272N	70.7277W	229	From 2012-03-14
Santiago del Teide	TSTE	Canary Islands	28.3102N	16.7983W	1061	From 2016-07-07
Santiago de Maria	SDMZ	El Salvador	13.4738N	88.4847W	900	
Santiago Espada	SESP	Spain	38.1200N	2.5452W	1528	
Santiago Estero	SDE	Santiago del Estero,Argentina	27.8217S	64.2450W	177	
Santiago Island	SACV	Cape Verde Islands	14.9702N	23.6085W	387	
Santiago Maria	SDM	El Salvador	13.4861N	88.4706W	905	
Santiago Niltepec	NILT	Oaxaca	16.5650N	94.6168W	65	
Santiago, Ribeira da Prata	CVST4	Cape Verde Islands	15.2299N	23.7426W	27	From 2007-12-01 to 2008-09-01
Santiago, Ribeirao Chiqueiro	CVST1	Cape Verde Islands	15.0150N	23.5251W	184	From 2007-12-01 to 2008-09-01
Santiago, Sao Jorge dos Orgaos	CVST2	Cape Verde Islands	15.0525N	23.6041W	322	From 2007-12-01 to 2008-09-01
Santiago, Veraguas	STIA3	Panama	8.0990N	80.9720W	150	From 2010-01-01
Santiaguito	SOG	Guatemala	14.7763N	91.5877W	2950	From 1984-02-01
Santiaguito 2	SOG2	Guatemala	14.7172N	91.5703W	1560	From 1987-01-01
Santiaguito 3, El Palmar	STG3	Guatemala	14.7108N	91.5703W	1580	
Santiao Chiao	TWB1	Taiwan region	25.0083N	121.9883E	20	From 1984-04-06
Santillana del Mar (Cantabria)	ALT03	Spain	43.3754N	4.1224W	141	From 2019-02-19
Santillana del Mar (Cantabria)	ALT02	Spain	43.3774N	4.1190W	149	From 2019-02-19
Santillana del Mar (Cantabria)	ALT01	Spain	43.3767N	4.1197W	149	From 2019-02-20
Santillana del Mar, Cantabria	ALT04	Spain	43.3754N	4.1186W	149	From 2019-12-11
Santo Amaro	PAMA	Azores,Portugal	38.6797N	28.1798W	388	From 2005-08-01
Santo Anto	SACO	Cape Verde Islands	16.9755N	25.1752W	366	
Santo Anto	SAAJ	Cape Verde Islands	17.0900N	25.0240W	1209	
Santo Anto	SATA	Cape Verde Islands	17.0398N	25.2587W	1496	
Santo Antao, Boca de Curral	CVSA3	Cape Verde Islands	17.1647N	25.0973W	106	From 2007-12-01 to 2008-09-01
Santo Antao, Leiro	CVSA5	Cape Verde Islands	17.0208N	25.1670W	349	From 2007-12-01 to 2008-09-01
Santo Antao, Paul	CVSA1	Cape Verde Islands	17.1328N	25.0427W	292	From 2007-12-01 to 2008-09-01
Santo Antao, Ponta do Sol	CVSA2	Cape Verde Islands	17.2023N	25.0928W	18	From 2007-12-01 to 2008-09-01
Santo Antao, Ribeira da Cruz	CVSA4	Cape Verde Islands	17.1062N	25.2434W	303	From 2007-12-01 to 2008-09-01
Santo Anto, SAMO	SAAO	Cape Verde Islands	17.0900N	25.1755W	1773	
Santo Antao, Tarrafal de Monte Trigo	CVSA6	Cape Verde Islands	16.9569N	25.3100W	15	From 2007-12-01 to 2008-09-01
Santo Antonio	PSAN	Azores,Portugal	37.8512N	25.7259W	395	From 2004-07-01
Santo Antonio do Leverger, MT	SALV	Mato Grosso,Brazil	15.9012S	55.6936W	213	From 2012-06-01
Santo Domingo	DOMI	Costa Rica,Costa Rica	9.9820N	84.0910W	1204	
Santo Domingo	SDD	Dominican Republic	18.4579N	69.9134W	10	
Santo Domingo	SD01	Dominican Republic	18.4630N	69.9169W	34	From 2014-01-22
Santo Domingo	VA05	Valparaso,Chile	33.6571S	71.6143W	80	From 2014-10-22
Santo Domingo	SDV	Venezuela	8.8861N	70.6333W	1580	From 1975-06-01
Santo Domingo	ASDO	Ecuador	0.2625S	79.1238W	615	From 2010-08-03
Santo Domingo	STDO	Dominican Republic	18.4506N	69.9264W	12	
Santoft	WSNZ	North Island,New Zealand	40.1088S	175.1888E	25	From 1982-10-15 to 1982-10-24
Santoft	WSFZ	North Island,New Zealand	40.1158S	175.2028E	25	From 1982-10-14 to 1982-10-15
San Tomasso	MZ05	Italy	42.6828N	13.2856E	1062	From 2016-09-19 to 2016-10-26
Santorini	SANT	Greece	36.3710N	25.4590E	540	
Santorini-Akrotiri	SAP1	Greece	36.3579N	25.3957E	151	From 2011-06-24
Santorini-Faros Akrotiriou	THR9	Greece	36.3577N	25.3569E	54	From 2011-12-13
sANTORINI Foira	SFR2	Greece	36.3998N	25.4382E	80	From 2021-05-11
Santorini-Monolithos	THR8	Greece	36.4070N	25.4788E	30	From 2011-05-27
Santorini-Oia	SAP4	Greece	36.4734N	25.3724E	56	From 2011-06-24
Santorini-Thirassia	SAP3	Greece	36.4356N	25.3454E	205	From 2011-06-23
Santta Maria dell'arzilla (PU)	T1743	Italy	43.8451N	12.8892E	126	From 2022-11-09
San Vicente	SV2X	Baja California	31.3398N	116.2380W	148	From 2016-02-12
San Vicente	SVX	Baja California	31.3271N	116.2510W	117	From 2015-10-20
San Vicente	SNVI	El Salvador	13.6125N	88.8388W	1312	
San Vicente, B1	TUB1	Nicaragua	12.6321N	86.0213W	434	
San Vicente Pacaya, Escuintla	PCG5	Guatemala	14.2162N	90.3766W	1345	
San Vito	VITO	Costa Rica,Costa Rica	8.8190N	82.9700W	994	
San Vito	EDSV	Costa Rica	8.8200N	82.9720W	1024	
San Vito Chietino	SVCH	Italy	42.2879N	14.4434E	142	From 2021-12-21
San Vito de Coto Brus	SVTC	Costa Rica	8.7853N	82.9587W	1227	From 2005-03-15
San Vito, P.H. Las Palmas	LPSV	Costa Rica	8.8247N	82.9699W	1002	From 2020-11-29

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
San Vittorino	T0102	Italy	42.3967N	13.3139E	707	From 2009-04-06 to 2009-09-01
Sanyi	NSY	Taiwan region	24.4160N	120.7610E	311	
San Ysidro	SYS	California,U.S.A.	32.5797N	116.9115W	277	
San Zeno di Montagna	ZEN8	Italy	45.6378N	10.7319E	596	From 2006-06-30
San Zeno Di Montagna	VRZA	Italy	45.6257N	10.7176E	550	From 2001-01-01
Sao Bartolomeu	PFSB	Portugal	37.2492N	8.3262W	171	From 1996-01-01 to 2009-05-30
So Bento	PSBE	Portugal	39.5142N	8.7955W	510	From 2014-03-10
Sao Brissos	EVOP	Portugal	38.5280N	8.1236W	93	From 1997-06-01
SAO DESIDERIO	SDBA	Bahia,Brazil	12.4085S	44.9030W	623	From 2013-11-10
Sao Felix do Xingu	VL03	Para	6.1019S	51.5684W	282	From 2021-10-15
Sao Felix do Xingu	VL01	Para	5.4557S	51.2069W	179	From 2021-10-13
So Flix do Xingu	VL02	Para	5.9470S	51.2742W	267	From 2021-10-10
Sao Gabriel da Cachoeira	SGC2	Amazonas	0.1514S	66.9776W	80	From 2018-10-10
So Gabriel da Cachoeira, AM	SGCB	Amazonas	0.1223S	67.0306W	70	From 2016-10-03
Sao Joao Batista-SC	MAJ01	Parana,Brazil	27.3972S	49.0118W	344	From 2011-01-30
Sao Joao De Manteninha	SJMB	Minas Gerais,Brazil	18.7032S	41.1848W	234	
Sao Joao Dos Patos	BESB	Maranhao,Brazil	6.6569S	43.5586W	245	From 2009-07-01
Sao Joaquim do Monte	AGBR	Pernambuco,Brazil	8.4295S	35.8361W	470	From 2007-01-01
Sao Miguel do Araguaia, GO, Brazil	SMAG	Goias	13.1713S	50.1311W	388	From 2017-05-12
So Miguel do Araguaia, GO, Brazil	RET8	Goias,Brazil	12.9728S	50.0986W	264	From 2008-07-17 to 2011-10-28
Sao Nicolau, Faja de Baixo	CVSN1	Cape Verde Islands	16.6497N	24.3205W	237	From 2007-12-01 to 2008-09-01
Sao Nicolau, Juncalinho	CVSN4	Cape Verde Islands	16.6135N	24.1318W	24	From 2007-12-01 to 2008-09-01
Sao Nicolau, Palhal	CVSN2	Cape Verde Islands	16.6219N	24.3465W	1028	From 2007-12-01 to 2008-09-01
Sao Nicolau, Ribeira Brava	CVSN3	Cape Verde Islands	16.6199N	24.2929W	124	From 2007-12-01 to 2008-09-01
Sao Paulo	SPB	Brazil	23.5920S	47.4320W	85	
Saorge	SAOF	Provence-Cote d'Azur,France	43.9863N	7.5553E	600	From 1988-04-08
So Roque	PROQ	Azores	38.5244N	28.3207W	41	From 2016-04-08
Sao Roque de Minas	CANS	Minas Gerais	20.2896S	46.3921W	1048	From 2019-05-10
Sao Salvador	SSV2	Goias,Brazil	12.8507S	48.2143W	315	From 2008-01-01
Sao Teotonio	PTEO	Portugal	37.5456N	8.7242W	119	From 1993-08-03
Sao Vicente, Baia das Gatas	CVSV1	Cape Verde Islands	16.8864N	24.9228W	52	From 2007-12-01 to 2008-09-01
Sao Vicente, Calhau	CVSV4	Cape Verde Islands	16.8464N	24.8741W	9	From 2007-12-01 to 2008-09-01
Sao Vicente, Lazareto	CVSV2	Cape Verde Islands	16.8748N	25.0198W	22	From 2007-12-01 to 2008-09-01
Sao Vicente, Sao Pedro	CVSV3	Cape Verde Islands	16.8518N	25.0361W	70	From 2007-12-01 to 2008-09-01
Sa-pa	SPV	Vietnam	22.3383N	103.8352E	1150	From 1961-01-01
Sapa ata, Niuas	NIFO	Tonga	15.5711S	175.6295W	43	
Sapanca-Adapazari	SPNC	Turkey	40.6860N	30.3083E	190	From 2008-06-27
Saphane	SAPH	Turkey	38.8920N	29.1628E	948	From 2022-10-29
Saphane-Kutahya	SHAP	Turkey	39.0230N	29.2220E	1056	From 2012-05-09
Sapir Facility	SPIR	Israel	32.8647N	35.5388E	-177	From 2018-05-31
Sappes Rodopi	SPP1	Greece	41.0225N	25.7014E	128	From 2011-07-01
Sapporo	SAP	Ishikari,Japan	43.0583N	141.3320E	17	
Sapulut	SPMM	Sabah	4.7083N	116.4650E	365	
Saqez_Kordestan	SAQZ	Iran	36.2645N	46.1809E	2144	From 2020-08-16
Saqqaq	SAQQ	Greenland	70.0100N	51.9500W	0	From 2019-08-20
Saqqara	SQR	Egypt	29.8813N	31.1959E	110	
Sarab	ISRB	Iran	37.8250N	47.6667E	1950	From 1995-08-01
Saragosa	TPB03	Texas	31.0838N	103.5139W	817	From 2017-11-11
Sarahart	SRRS	Armenia	40.8683N	44.2217E	1675	
Sarajevo	SAR	Bosnia and Herzegovina	43.8733N	18.4283E	725	
Sarakhs	SRKH	Iran	36.5266N	61.1483E	276	From 2012-03-20
Sarakhs	SRMB	Iran	36.5200N	61.1500E	0	
Saraland	347A	Mississippi,U.S.A.	31.4017N	88.5412W	40	From 2011-03-19 to 2012-12-15
Saramarca	PP04	Peru	14.4855S	75.0915W	750	
Sarande	SRN	Albania	39.8800N	20.0005E	60	
Sarandi del Yi, Durazno	SDYD	Uruguay	33.3150S	55.6000W	0	From 2015-01-22
Sarany	PR7R	Permskiy Kray,Russia	58.5518N	58.7598E	440	From 2013-11-26
Saraoutou	SANVU	Vanuatu,Vanuatu	15.4472S	167.2032E	56	From 2011-11-01
Sarapat	SATK	Armenia	40.9433N	44.0500E	2120	
Sarapiqu	SARA	Costa Rica,Costa Rica	10.4520N	84.0210W	48	
Sarapiqu	SARA1	Costa Rica	10.4515N	84.0116W	42	From 2019-06-13
Sarat Abidah	SRAT	Saudi Arabia	18.0390N	43.1620E	2300	From 1990-06-13
Saratoga Golf Course	JSGM	California,U.S.A.	37.2827N	122.0500W		
Saratoga Golf Course	SGC	California,U.S.A.	37.2827N	122.0500W	198	
Saratov	SARR	Saratovskaya Oblast',Russia	51.3885N	45.2865E	161	From 2005-11-15
Saratovka	SRTK	Armenia	41.0662N	44.3221E	1474	
Saravan	SRVN	Iran	27.4034N	62.3982E	1352	From 2015-04-15
Sarbogard	PKS8	Hungary	46.8787N	18.6765E	135	
Sarchi	SARCI	Costa Rica,Costa Rica	10.0900N	84.3460W	974	
Sarcpa Lake, Nunavut	SRLN	Northwest Territories,Canada	68.5513N	83.3238W	261	From 2005-08-21
SarD1z-Kayseri	SARI	Turkey	38.4072N	36.4182E	1673	From 2007-08-03
SARDASHT	SRSL	Iran	36.2123N	45.4339E	1745	From 2017-12-25
Sardasht. Az. Gharbi.	SDS1	Iran	36.1492N	45.4858E	1591	From 2017-05-15
Sardoal	PSARD	Portugal	39.6003N	8.1623W	422	From 2019-05-30
Sareghieh	HSRG	Iran	35.2418N	48.2787E	2544	From 2013-01-01
Sareki	SRKG	Georgia,Georgia	42.3241N	43.3529E	485	From 2013-03-22
Sarezzano	SARZ	Italy	44.8671N	8.9091E	270	From 2015-12-11
Sarfartoq 1, Greenland	SA1G	Greenland	66.1910N	50.6900W	1100	
Sarfartoq 2, Greenland	SA2G	Greenland	66.3270N	51.2860W	1100	
Sarfartoq 3, Greenland	SA3G	Greenland	66.4399N	51.8603W	1150	
Sarfartoq 4, Greenland	SA4G	Greenland	66.5910N	52.4280W	900	
Sargents, N29	NCR29	Colorado	38.3990N	106.4771W	2581	
Sarghaua, Pohja-Parnumaa, Estonia	SRGE	Estonia	58.6563N	25.2425E	36	From 2022-12-19
Sarghaua, Vandra	EE08	Estonia	58.6572N	25.2403E	37	From 2017-04-05 to 2023-06-08
Sargodha	SARP	Pakistan	31.9215N	72.6718E	183	
Saricakaya, Eskisehir	SRCK	Turkey	40.0417N	30.6259E	331	From 2013-03-15
Sariam	CAYT	Turkey,Turkey	37.1721N	35.3182E	116	
Sarigan	SARN	Mariana Islands	16.7002N	145.7795E	451	
Sarigan	SARG	East of Mariana Islands	16.7153N	145.7780E	112	
Sariwon	SRW	Democratic People's Republic of Korea	38.5007N	125.7497E	30	From 1978-01-01
Sarıyakup, Elazı	MSAY	Turkey	38.5849N	39.2013E	980	From 2021-12-29
Sarkisla-SIVAS	CUSAR	Turkey	39.4185N	36.2444E	1458	From 2010-07-07
Sarkoy-Tekirdag	RKY	Turkey	40.6875N	27.1777E	687	From 2005-05-24
SARMATO	SARM	Italia	45.0545N	9.4901E	123	From 2020-09-23
Sarmi	SMPI	Irian Jaya,Indonesia	1.9900S	138.7100E	0	From 2007-12-01
Sarnano	SRNA	Italy	43.0357N	13.3008E	519	From 2019-05-30
Sarnen Kantonsschule	SARK	Switzerland	46.8914N	8.2432E	471	From 2012-05-30
SARO	CSARO	Costa Rica	10.8390N	85.6094W	30	From 2000-01-20 to 2000-06-19
Sarria	EXSA	Spain	42.7760N	7.4190W	504	
Sarsar	RSA	Morocco	34.8840N	5.8210W	660	
Sarti	SAR1	Greece	40.0966N	23.9783E	25	From 2008-09-30
Sart'ichala	SRCG	Georgia,Georgia	41.7000N	45.1600E	700	
Sart Tilman	BSTI	Belgium	50.5835N	5.5667E	226	From 1985-10-04
Sarutani	SRT	Nara,Japan	34.1761N	135.7450E	440	From 1960-05-01
Sarvestan	ISRV	Iran	29.3817N	53.1133E	2688	From 2002-10-01
Sasagawa	JNS	Niigata,Japan	37.8183N	139.3172E	145	
Sa Scrocca - Sant'Antioco (CI)	SU09	Sardinia	39.0821N	8.4211E	96	From 2014-10-25 to 2015-08-31
Saskatoon	SAS	Saskatchewan,Canada	52.1333N	106.6330W	515	From 1915-01-01 to 1960-04-01
Sassa	SASS	Italy	43.2580N	10.6898E	438	From 2010-05-17
SASSINORO	SAS10	Italia	41.3735N	14.6645E	545	From 2016-10-02
Sassocorvaro	SSCV	Italy	43.7798N	12.4975E	331	From 2013-12-04
Sasso d'Italia	SSO	Italy	43.2930N	13.4200E	302	From 1987-05-01
Sassorosso	SARO	Italy	44.1840N	10.4010E	1065	From 1992-05-01 to 2009-09-30
Sasuli, VAVUN	VVAVU	Vanuatu	15.6427S	167.1310E	24	
Sasyr	SSYS	Sakha,Russia	65.1580N	147.0750E	580	From 1986-09-01
Satah River	G31M	Yukon Territories,Canada	66.9227N	134.2708W	61	From 2017-08-22
Satara	STA	Maharashtra,India	17.6950N	74.0000E	665	
Satriano di Lucania, Italy	STN3	Italy	40.5300N	15.6515E	832	From 2006-02-24
Saturna Island	SNB	British Columbia,Canada	48.7750N	123.1710W	405	From 1981-01-28
Saturnia	TSUT	Italy	42.6878N	11.4961E	249	From 2009-09-20
Saty	SATY	Kazakhstan	43.0590N	78.4060E	1400	From 1988-09-01
Saucer Basin, Paradox Valley	PV12	Colorado,U.S.A.	38.3175N	108.8023W	2092	
Sault Sainte Marie	SL-ON	Ontario,Canada	46.6372N	84.3506W	335	
Sault Ste Marie	SL-	Ontario,Canada	46.6372N	84.3506W	335	
Sault Ste Marie	E46A	Michigan,U.S.A.	46.3665N	84.3062W	269	From 2012-11-12 to 2013-11-26
Sault St. Marie	D46A	Ontario,Canada	46.8910N	84.0357W	353	From 2012-10-23
Saumlaki	SAUI	Moluccas,Indonesia	7.9826S	131.2998E	110	From 2007-08-24
Saumlaki	SLKI	Moluccas,Indonesia	7.9817S	131.2980E		
Saurbar	ISAU	Iceland	63.9900N	20.4150W	74	From 1989-12-12

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sausapor, Papua Barat	STPI	Indonesia	0.4683S	132.1256E	24	From 2019-01-01
Sauteurs	GRHS	Grenada	12.2239N	61.6413W	66	
Sauzal	U63S	Maule	35.7253S	72.1297W	181	
SAUZAL BONITO	NQ09	Neuquen	38.5968S	69.0655W	483	From 2022-11-15
SAV	CSAV	Costa Rica	9.4580N	83.9762W	193	From 2002-10-01 to 2003-03-15
Savage	C24A	Montana,U.S.A.	47.5302N	104.4252W	713	From 2008-09-18 to 2011-01-13
Savage River	SVR	Tasmania,Australia	41.4667S	145.2170E		
Savane Anatole	SVN	Martinique,France	14.8417N	61.1678W	510	
Savannah	SAV	Tasmania,Australia	41.7208S	147.1890E	180	From 1961-01-01
Savannah River	SRPD	South Carolina,U.S.A.	33.1550N	81.7125W	31	
Savannah River	SRPN	South Carolina,U.S.A.	33.3289N	81.5889W	94	
Savannah River	SRPW	South Carolina,U.S.A.	33.2022N	81.5781W	77	From 1976-08-06
Savegre Abajo, SVA	CSVA	Costa Rica	9.4418N	83.8467W	736	From 2002-10-01 to 2003-03-15
Savo	SVO	Solomon Islands,Papua New Guinea	9.1500S	159.8150E	87	From 1980-06-01 to 1983-01-27
Savo Central	SAVO	Solomon Islands	9.1487S	159.8134E	281	From 2018-10-30
Savonnieres en Perthois	SAVF	Champagne-Ardenne,France	48.6152N	5.1241E	250	From 2014-12-16
Savoonga	SOV	Alaska,U.S.A.	63.6465N	170.4490W	198	From 1976-01-01 to 1983-01-01
Savoonga	SVGA	Alaska,U.S.A.	63.6950N	170.4800W	15	From 1977-08-18
Savudrija	SAVD	Croatia	45.4950N	13.5019E	14	From 2021-10-28
Savuti	SVT1	Botswana	18.5820S	24.0720E	940	From 2001-01-01 to 2100-12-31
Sawahan	SJI	Jawa,Indonesia	7.7349S	111.7669E	723	
Sawahan-Nganjuk, JISNET	SNJI	Jawa,Indonesia	7.7808S	111.7591E	1341	From 2009-01-01
Sawauchi	SAH	Iwate,Japan	39.4033N	140.7720E		
Sawbill Land. Superior Nat. Forest USFS	C38A	Minnesota,U.S.A.	47.7171N	91.2732W	498	From 2010-09-18 to 2012-08-16
Sawit, Jawa Tengah	BOJI	Indonesia	7.5682S	110.6894E	184	From 2019-10-01
Sawmill	SWM	California,U.S.A.	34.7183N	118.5820W	1220	From 1966-03-07
Sawmill	SML	Alaska,U.S.A.	61.8070N	148.3318W	847	From 1999-11-07
Sawmill Road	JSMM	California,U.S.A.	37.2123N	122.1680W	262	From 1971-07-14
Sawyerville	MLAL	Alabama,U.S.A.	32.7055N	87.6936W	55	
Saxhamar	ISAX	Iceland	64.8900N	23.8428W	107	From 2020-09-23
Sayfiye	SAY	Turkey	40.1167N	29.3345E	850	From 1993-01-01
Sayler Ranch, Douglas	C27A	North Dakota,U.S.A.	47.7139N	101.5029W	602	From 2009-07-22 to 2011-06-11
Say'un	SYON	Yemen	15.9417N	48.7833E	0	
Sazli	RFT1	Turkey	39.5332N	26.4413E	298	From 2017-06-16
S.Benedetto Po	SBPO	Italy	45.0511N	10.9199E	10	From 2005-06-20
SBL	CSBL	Costa Rica	9.4305N	84.0593W	56	From 2002-10-01 to 2003-03-15
S Black Range	SBR	New South Wales,Australia	35.4250S	149.5330E	1265	From 1976-12-01
S. Brethren Rd., Cushing	OK031	Oklahoma,U.S.A.	35.9531N	96.8391W	290	From 2014-10-15
Scaffel	CSF	England,United Kingdom	54.4478N	3.2430W	540	
Scai (Agriturismo Narcisi)	MZ17	Italy	42.6000N	13.2321E	987	From 2016-09-27 to 2016-10-26
Scai alta	MZ18	Italy	42.5987N	13.2298E	1001	From 2016-09-27 to 2016-10-26
Scaletta Zanclea	SCZA	Italia	38.0422N	15.4561E	103	From 2022-11-04
Scandale	SCAN	Italy	39.1375N	16.9879E	280	From 2023-03-01
Scanlan Farm, Eyota	I38A	Minnesota,U.S.A.	44.0405N	92.3306W	390	From 2010-10-08 to 2012-09-08
Scanteiesti	SCTR	Romania	45.6741N	27.9949E	181	From 2015-07-23
Scarborough	SCB	Ontario,Canada	43.7167N	79.2333W	153	From 1962-05-23 to 1974-12-31
Scargill	SCAC	South Island,New Zealand	42.9386S	172.9216E	138	From 2005-11-16
Scarperia	SEI	Italy	44.0544N	11.3564E	610	
SCE Magundon Plant	MAGC	California,U.S.A.	35.3616N	118.9228W	135	
Schaffhausen-Ebnat	SCHE	Switzerland	47.7117N	8.6526E	476	From 2001-06-12
Schaffhausen, Spital	SCHS	Switzerland	47.7115N	8.6365E	517	From 2011-05-01
Schaffner Ranch	SNR	California,U.S.A.	32.8618N	115.4370W	-29	From 1973-04-16
Scheelite	SCHCA	California,U.S.A.	37.3591N	118.6889W	2346	
Schefferville	SV3	Quebec,Canada	54.8108N	66.7500W	579	
Schefferville	SV2QB	Quebec,Canada	54.8150N	66.7586W	594	From 1964-09-20 to 1965-07-23
Schefferville	SV2	Quebec,Canada	54.8150N	66.7586W	594	From 1964-09-20 to 1965-07-23
Schefferville	SV3QB	Quebec,Canada	54.8108N	66.7500W	579	
Schefferville	SCH	Quebec,Canada	54.8167N	66.7833W	540	From 1962-07-11 to 1994-12-12
Schefferville	SCHQ	Quebec,Canada	54.8319N	66.8336W	501	From 1994-12-20
Scheggia e Pascelupo	ATSC	Italy	43.4240N	12.6864E	900	From 2012-11-29
Schela	RO17A	Romania	45.0282N	25.4752E	359	From 2022-09-12
Schela	SCHLR	Romania	45.4702N	27.8314E	81	From 2017-11-01
Schela	SCHL	Romania	45.5007N	27.8302E	52	From 2014-04-08
Scherman	SRMY	New York,U.S.A.	41.2283N	73.0139W	165	
Schiltern, Lower Austria	SINA	Austria	48.5146N	15.6232E	380	From 2022-04-27
Schinveld	SCHN	Netherlands	50.9842N	6.0195E	57	
S. Chirico Raparo	SCHR	Italy	40.1992N	16.0759E	968	From 2003-12-05
Schitu	SCHRR	Romania	44.1345N	25.8292E	128	From 1997-09-29
Schlaiten	D093	Austria	46.8833N	12.6333E	1225	From 2019-11-27
Schlatt-Haslen	SGT04	Switzerland	47.3484N	9.3490E	987	From 2012-01-15
Schlegeis	SCE	Austria	47.0386N	11.7103E	1737	
Schleitheim	SLE	Switzerland	47.7645N	8.4924E	648	From 1985-12-04
Schloss Buerresheim	BHE	Rheinland-Pfalz,Germany	50.3529N	7.1796E	290	From 2006-01-01
Schloss Goldrain, Latsch	D104	Italy	46.6250N	10.8295E	705	From 2020-01-23
Schloss Moritzburg Zeitz	ZEITZ	Thuringen	51.0507N	12.1260E	158	From 2014-11-26
Schloss Rechtenthal, Tramin	D045	Italy	46.3484N	11.2378E	356	From 2020-01-22
Schloss Sandsee - Pleinfeld	A369A	Germany	49.1160N	11.0216E	486	From 2015-12-01
Schmida	A005A	Austria	48.3784N	16.1207E	176	From 2015-03-25 to 2016-05-25
Schmiedefeld	SCHD	Thuringen,Germany	50.5351N	11.2121E	761	From 2008-05-20
Schmieheim	A122A	Germany	48.2785N	7.8678E	282	From 2016-02-22
SCHO	SCHO	Bolivia	19.1480S	64.6446W	2591	From 1994-05-30 to 1995-08-08
Schoederberg	D156	Austria	47.2054N	14.1072E	1205	From 2019-12-16
Schoenbrunner Berg-Wunsiedel	MSBB	Bayern,Germany	50.0314N	11.9728E	622	From 2001-04-10
Schoenfels	SCHF	Sachsen,Germany	50.6772N	12.4031E	435	From 2007-06-14
School, Casa de Jesus	CASAE	Ethiopia,Ethiopia	13.5661N	36.9665E	805	From 2014-04-05 to 2015-02-11
School, Chagni	CHGE	Ethiopia,Ethiopia	10.9614N	36.5184E	1687	From 2014-04-02 to 2017-12-01
School, Debre Tabor	TABO	Ethiopia,Ethiopia	11.8548N	38.0190E	2688	From 2014-04-08 to 2014-06-01
School, Debre Zeif	DEBR	Ethiopia,Ethiopia	10.6349N	35.6623E	2519	From 2014-04-01 to 2017-12-01
School, Dubaba	MELAE	Ethiopia,Ethiopia	12.3962N	35.9600E	663	From 2014-04-16 to 2017-12-01
School, Haroo	HARO	Ethiopia,Ethiopia	9.8474N	36.3099E	2042	From 2014-03-20 to 2017-12-01
School, Kiremu	KIRE	Ethiopia,Ethiopia	9.9571N	36.8687E	2170	From 2014-03-19 to 2017-12-01
School, Shinfa	MDBA	Ethiopia,Ethiopia	12.5747N	36.1358E	620	From 2014-04-07 to 2014-04-16
School, W of Chirchemesc	CHRH	Ethiopia,Ethiopia	12.5640N	36.4008E	719	From 2014-04-08 to 2014-04-15
Schriesheim-Wilhelmstollen	SWS	Baden-Wurttemberg,Germany	49.4843N	8.7008E	223	From 2000-01-01 to 2016-12-31
Schrozberg	A118A	Germany	49.3542N	9.9699E	453	From 2015-11-03
Schuetzenmatte (BS)	MATTE	Switzerland	47.5514N	7.5694E	-274	From 2006-10-01
Schuinsdraai Nature Reserve,Limpopo Province	SCHUN	South Africa	24.8255S	29.3610E	933	From 2017-07-24
Schulenburg	EF65	Texas	29.6716N	96.9805W	71	From 2018-12-18
Schurz	Q07A	Nevada,U.S.A.	38.9383N	118.8078W	1275	From 2006-02-27 to 2008-03-13
Schuyler	SU-	Virginia,U.S.A.	37.7597N	78.7267W	165	From 1965-06-19 to 1965-07-23
Schuyler	SU-VA	Virginia,U.S.A.	37.7597N	78.7267W	165	From 1965-06-19 to 1965-07-23
Schwanderberg, Haslen, GL	ELM1	Switzerland	46.9821N	9.0797E	1117	From 2020-05-28
Schwarzleotal - Leogang	LESA	Austria	47.4243N	12.6770E	1029	From 2017-07-03
Schweizer	SWZ	Transvaal,South Africa	27.1823S	25.3317E	1342	
Schweizerhalle, Novartis	SSCN	Switzerland	47.5316N	7.6697E	268	From 2014-08-15
Schwyz, Kantonsschule Kollegium, SZ	SWYZ	Switzerland	47.0237N	8.6526E	544	From 2018-07-05
Sciacca	SCIAC	Italy	37.5164N	13.1019E	180	From 2019-02-01
Sciara	SCIAR	Italy	37.9406N	13.7493E	490	From 2018-12-28
SCICLI	SCIC	Sicily	36.7963N	14.6724E	190	From 2023-04-18
Scilla	SICLA	Italy	38.2564N	15.7146E	8	From 2018-10-08
Scilla	SCLL	Sicily,Italy	38.2563N	15.7143E	81	
Scilla	MSCL	Italy	38.2320N	15.7900E	835	From 1993-12-01
Scipio Center	K57A	New York,U.S.A.	42.7313N	76.5163W	408	From 2013-08-21
Scobie Ranch	PSRM	California,U.S.A.	35.8578N	120.2800W	552	
Scoppito	RM06	Italy	42.3775N	13.2438E	848	From 2009-04-06 to 2009-09-01
Scorciavacca	ESCV	Sicily,Italy	37.7470N	14.8153E	615	From 1989-04-01
Scoresbysund	SCO	Greenland	70.4833N	21.9500W	69	
Scott Bar, CA USA	SBAR	California	41.6627N	123.0710W	1451	From 2020-08-01
Scott Base	SBA	Victoria Land	77.8503S	166.7560E	38	From 1957-03-01
Scott Mountain	VSCM	Oregon,U.S.A.	43.3725N	123.0630W	1295	
Scott Ranch	STTC	California,U.S.A.	34.7885N	118.4620W	829	
Scott's Head	DSHT	Dominica	15.2136N	61.3737W	133	
Scotts Head	DSC	Dominica	15.2084N	61.3652W	50	
Scotts Peak	SPK	Tasmania,Australia	43.0383S	146.2750E	425	From 1972-07-01 to 2009-09-03
Scotty Lake	SCT	Alaska,U.S.A.	62.3192N	150.2970W	140	From 1971-08-01 to 1975-06-30
Scourie	RSC	Scotland,United Kingdom	58.3485N	5.1684W	60	From 1995-09-10
Scoval	KSK	Scotland,United Kingdom	57.4653N	6.7020W	250	From 1989-01-01
Scranton	Y58A	South Carolina,U.S.A.	33.9057N	79.6665W	19	From 2013-02-22
Scrawed	SRDI	Jawa,Indonesia	8.4794S	114.1420E	290	From 1991-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
S. Croce Del Sannio	SACR	Italy	41.3974N	14.7057E	859	From 2004-06-08
Scrubby Hill	SYZ	South Island,New Zealand	46.5369S	169.1388E	52	From 2006-05-05
Scullys Gap (BLM), Evanston	M17A	Wyoming,U.S.A.	41.4729N	110.6664W	2101	From 2007-10-31 to 2009-10-17
Scuola Piaget, via Montegrappa, Ancona	CMA05	Italy	43.6185N	13.5271E	63	From 2022-11-15
Scuol-Clozza	SCUC	Switzerland	46.7980N	10.3038E	1230	From 1992-08-26
Scurtabo	SC2M	Italy	44.4043N	9.5343E	664	From 2005-01-01 to 2012-03-13
SCY	CSCY	Costa Rica	9.6182N	84.1287W	1471	From 2002-10-01 to 2003-03-15
Scyscraper	SCRP	Turkey	40.8653N	28.9918E	39	From 2006-09-26
Sde Boker	SDBK	Israel	30.8540N	34.7829E	508	From 2019-03-20
S de V. Baru	JEFFS	Panama	8.6692N	82.5335W	896	
Sdr. Stenderup	SSRD	Denmark	55.4800N	9.6300E	32	From 2015-12-08
Seabrook	SBK	South Carolina,U.S.A.	32.5655N	80.1802W	-59	
Seaman Range	SRG	Nevada,U.S.A.	37.8822N	115.0680W	1645	
Searcy	SEAR	Arkansas,U.S.A.	35.2547N	91.7147W	0	
Sears Point	SNT	California,U.S.A.	38.1827N	122.4530W	88	
Seaside	F03A	Oregon,U.S.A.	45.9306N	123.5591W	324	From 2005-11-08 to 2008-11-12
Seaside	B022	Oregon,U.S.A.	45.9546N	123.9310W	-201	
Seaside SMO	SEAS	Oregon,U.S.A.	45.9974N	123.9258W	5	From 2004-01-30
Seatoun	STN	North Island,New Zealand	41.3250S	174.8319E	3	From 1931-01-01 to 1933-03-31
Seatoun School Wellington	SEAW	North Island,New Zealand	41.3265S	174.8376E	5	From 2012-04-27
Seattle	SEA	Washington,U.S.A.	47.6550N	122.3080W	30	From 1906-01-01
Seattle	STT	Washington,U.S.A.	47.4228N	122.3140W		From 1964-04-01 to 1976-04-30
Seaview	SEAV	North Island,New Zealand	41.2470S	174.9022E	4	From 2011-07-06
Sebes	SBE	Romania	45.5964N	23.6186E	0	
Seborga	NEGI	Italy	43.8477N	7.7038E	640	From 1996-03-01
Sechelt	SHB	British Columbia,Canada	49.5972N	123.8750W	1143	
Secondary School, Merto Lemorgan	MERTO	Ethiopia,Ethiopia	10.8764N	38.2665E	2681	From 2015-02-16 to 2017-12-01
Second Sedna Site,Hudson Bay	JOSN	Nunavut,Canada	63.1622N	91.5420W	295	From 2006-08-25 to 2010-08-02
Sedan	SDAN	South Australia,Australia	34.5073S	139.3381E	134	
Seddon	SDNS	South Island,New Zealand	41.6638S	174.1373E	107	From 2016-11-15
Seddon Fire Station	SEDS	South Island,New Zealand	41.6723S	174.0764E	90	From 2013-07-23
Sede Caribe UCR	SECA	Costa Rica	9.9828N	83.0627W	44	From 2019-09-13
Sedefadasi Cinnet	SEDF	Turkey	40.8483N	29.1433E	0	From 2009-01-01
Sede Social del IESS - Quito	IESS	Ecuador	0.1756S	78.4910W	2828	
Sedlovina	SDLR	Kamchatskaya Oblast',Russia	53.2781N	158.8840E	1235	
Sedong, Jawa Barat	SEJM	Indonesia	6.8726S	108.5852E	342	From 2019-01-01
Sedrio (Vezzano sul Crostolo) - RE	RE04	Italy	44.6083N	10.5205E	255	From 2008-12-28 to 2009-02-12
See Canyon	PSEM	California,U.S.A.	35.2452N	120.7650W	201	
Seeheim	KETSN	Namibia	26.8412S	17.9436E	1096	
Seeley Lake	SLMT	Montana,U.S.A.	47.2418N	113.4935W	1701	
Seerau	GOR6	Germany	53.0040N	11.1735E	-285	From 2014-01-17
Seetaler Alpe, Styria	SESA	Austria	47.1132N	14.5668E	1972	From 2019-07-24
Sefidab	ISFB	Iran	34.3518N	52.2406E	948	From 1996-01-01
Sefid Rud	SEF	Iran	36.7583N	49.3833E	243	
Sefid Rud	SRI	Iran	36.7583N	49.3833E	243	
Sefro	SEF1	Italy	43.1468N	12.9476E	512	From 2011-03-21
Segarcea	RO13A	Romania	43.8299N	24.7919E	51	From 2022-06-07
Segre	SGR	Pays de la Loire,France	47.7094N	0.9230W	90	From 1973-01-01
Sehore	SEH	Madhya Pradesh,India	23.1667N	77.0833E		
Seiad Valley, CA USA	SEIA	California	41.9004N	123.1402W	785	From 2020-08-01
Seidlwinkl	D135	Austria	47.1839N	12.9369E	1103	From 2019-12-16
Seigler Mountain	GSGM	California,U.S.A.	38.8667N	122.7100W		From 1974-07-02
Sejong Station	SEJ	South Shetland Islands	62.2208S	58.7528W	18	
Sekincau, Lampung	SUSM	Indonesia	5.0212S	104.2945E	1055	From 2019-01-01
Sekisonzan	SSZ	Nagano,Japan	36.3867N	138.5208E	1869	
Sekoma	SKOMA	Botswana	24.5153S	23.9328E	980	
Sekot	SEKE	Ethiopia	12.6217N	39.0334E	2264	
Sekotong Tengah	SLBFM	Indonesia	8.7956S	115.9336E	63	From 2020-12-31
Sela	SELA	Greece	38.2756N	21.8926E	611	From 2006-07-28
Selawik	F18K	Alaska,U.S.A.	66.6001N	159.6514W	27	From 2017-07-27
Selb-Vielitz	VIEL	Bayern,Germany	50.1856N	12.1028E	670	From 1996-03-19
Selden	P30A	Kansas,U.S.A.	39.5442N	100.2468W	788	From 2009-05-15 to 2011-04-03
Seldovia	XLV	Alaska,U.S.A.	59.4547N	151.7220W	380	From 1987-01-01
Seldovia	SLV	Alaska,U.S.A.	59.4713N	151.5810W	91	
Seligman	SG-AZ	Arizona,U.S.A.	35.6408N	113.2608W	1676	From 1964-04-06 to 1965-10-04
Seligman	W14A	Arizona,U.S.A.	35.2127N	113.0834W	1756	From 2006-03-10 to 2008-10-20
Seligman	SG-	Arizona,U.S.A.	35.6408N	113.2608W	1676	From 1964-04-06 to 1965-10-04
Selimiye	SLMY	Turkey	40.5168N	28.9865E	665	From 2007-05-10
Seli, N022	N022M	Greece	40.5564N	22.0627E	1104	
Selinda	SLIND	Botswana	18.6208S	23.5005E	961	
Sellano	USLL	Italy	42.8807N	12.9619E	963	
Sellapark	SLPK	England,United Kingdom	54.4336N	3.4885W	50	From 2004-07-01
Sellia	SELL	Italy	38.9830N	16.6279E	633	From 2020-02-27
Selova	SELS	Serbia	43.2195N	21.1190E	543	From 2002-05-21
Selside	AQ12	England	54.4370N	2.7520W	389	From 2017-10-19
Selva	ESEL	Balearic Islands,Spain	39.7682N	2.8943E	231	From 1988-07-01
Selvarotonda (Cittareale)	RM21	Italy	42.6278N	13.1416E	1454	From 2009-04-09 to 2010-03-03
Selvena	SF14	Italy	42.7551N	11.6146E	463	From 2016-03-24
Semalu	ESM	New Britain,Papua New Guinea	4.2770S	152.6860E	50	
Semarang	SMRI	Jawa,Indonesia	7.0492S	110.4407E	203	From 2006-11-01
Semdilli	SEMD	Turkey	37.3473N	44.5208E	1910	From 2005-09-28
Semendo, Sumatera Selatan	LHSM	Indonesia	4.1780S	103.5742E	1494	From 2019-01-01
Semerovo	A338A	Slovakia	48.0152N	18.3525E	154	From 2015-09-03
Semeru Mts	SMR	Jawa,Indonesia	8.1000S	112.9000E		
Semigandzh	SGZ	Tajikistan	38.6500N	69.0000E	0	
Semillon Drive Fremont	C039	California,U.S.A.	37.4671N	121.9116W	27	From 2010-05-12
Seminario San Jose de La Montana	SEMO	El Salvador	13.7033N	89.2240W	754	
Seminole	TMB04	Texas	32.6254N	102.4880W	956	From 2018-11-16
Semipalatinsk	SEM	Kazakhstan	50.4080N	80.2500E	2100	From 1934-10-19
Semis' Anvil Peak	CEAP	Alaska,U.S.A.	52.0024N	179.5778E	244	
Semis' Cerberus	CERB	Alaska,U.S.A.	51.9314N	179.6297E	305	
Semisopochnoi Island	SSI	Alaska,U.S.A.	51.8924N	179.5880E	178	From 1970-10-17 to 1973-04-30
Semis' Perret Rge	CEPE	Alaska,U.S.A.	51.9658N	179.6492E	335	
Semis' Rag'd Top	CERAA	Alaska,U.S.A.	51.9070N	179.6846E	305	
Semis' Southwest	CESW	Alaska,U.S.A.	51.9010N	179.5633E	238	
Semis' Tuman	CETU	Alaska,U.S.A.	51.9661N	179.4942E	335	
Semkarok	SMKR	Kamchatskaya Oblast',Russia	56.5820N	161.4680E	898	From 2005-09-10
Semlyachik	SEL	Kamchatskaya Oblast',Russia	54.1167N	159.9833E		
Semnan-Aivanekay	SMAV	Iran	35.2873N	52.1541E	1000	From 2004-01-01 to 2004-09-01
Semponon	SEMI	Sumatera,Indonesia	2.4603N	98.3917E	1750	
Semr	SMRE	Ethiopia	13.1977N	39.2111E	1977	
emsettin, Krfez, Kocaeli	SEMS	Turkey	40.8710N	29.7391E	350	From 2017-03-15
SEND	SEND	Washington,U.S.A.	46.1935N	122.1854W	2100	
Sendai	SEN	Miyagi,Japan	38.2600N	140.9000E	38	
Seneca	SA-OR	Oregon,U.S.A.	44.1556N	118.6625W	1524	
Seneca	SA-	Oregon,U.S.A.	44.1556N	118.6625W	1524	
Seneca 1, Swea City	J36A	Iowa,U.S.A.	43.3292N	94.3395W	370	From 2010-10-07 to 2012-09-16
Seneffe	SNF	Belgium	50.5086N	4.2833E	108	From 1985-07-01
Senekal	SEK	Orange Free State,South Africa	28.3233S	27.6250E	1486	
Senekal, Freestate Province	SNKL	South Africa	28.2753S	27.7714E	1630	From 2015-12-11
Senerchia	SNR3	Italy	40.7357N	15.1927E	1009	
Senggi	SKPM	Indonesia	3.4485S	140.7256E	331	From 2020-12-31
Senigallia	SENI	Italy	43.7052N	13.2331E	10	From 2006-07-27
Senkaya	SNKY	Turkey	40.5725N	42.3394E	1720	From 2022-10-26
Senkaya-Erzurum	SENK	Turkey	40.5614N	42.3505E	1939	From 2011-05-04
Sennar	SNAR	Sudan	13.4884N	33.3189E	0	
Sennhlsen	SGT00	Switzerland	47.4240N	9.3103E	525	From 2012-01-15
Senori, Jawa Timur	SEJI	Indonesia	7.0051S	111.7288E	120	From 2019-10-01
Sentani	SJPM	Indonesia	2.5698S	140.5029E	171	From 2020-12-31
Sentinel	W32A	Oklahoma,U.S.A.	35.1238N	99.2458W	494	From 2009-10-28 to 2011-09-04
Senzan	SNZ	Hyogo,Japan	34.3530N	134.8410E	370	From 1972-01-22
Seogwipo	KSSGP	Republic of Korea	33.2587N	126.4994E	222	From 2001-11-21 to 2003-12-01
SEOHWA	SEHB	Republic of Korea	38.2686N	128.2525E	393	From 2009-01-01 to 2019-03-18
seokbo	SKBA	Republic of Korea	36.5212N	129.1791E	304	From 2019-03-18
Seongsanpo	KSSSP	Republic of Korea	33.3868N	126.8804E	18	From 2001-11-21
Seosan	KSSES	Republic of Korea	36.7893N	126.4531E	99	From 2000-12-19
Seoul	SEO	Republic of Korea	37.5667N	126.9670E	86	From 1945-01-01
Seoul	KSSEO	Republic of Korea	37.4879N	126.9188E	33	From 1998-10-29
Separation Peak, Rawlins	M21A	Wyoming,U.S.A.	41.6067N	107.3635W	2275	From 2007-11-01 to 2009-10-09

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Seppiana	DIV08	Italy	46.0649N 8.2037E	488	From 2022-01-26 to 2025-12-31
Sept-Chutes	SFA	Quebec,Canada	47.1244N 70.8268W	230	From 1927-01-01
September Lobe	SEPW	Washington,U.S.A.	46.2002N 122.1906W	2116	
Septfontaines	SEPFT	Luxembourg	49.7013N 5.9599E	302	From 2019-07-02
Sept Iles	SIC	Quebec,Canada	50.1720N 66.7380W	283	
Sequim	SQM	Washington,U.S.A.	48.0739N 123.0470W		
Serafina, Lisbon	AML01	Portugal	38.7335N 9.1768W	182	From 2019-07-25
Seram Barat	NSBMM	Indonesia	3.0828S 128.2096E	81	From 2020-12-31
Seram Utara, Maluku	SRMI	Indonesia	2.9415S 129.1818E	18	From 2019-01-01
Serang	SBJI	Jawa,Indonesia	6.1200S 106.1300E	0	
Serang Panjang	SPSJM	Indonesia	6.6667S 107.6137E	692	From 2020-12-31
Serd	SRDE	Ethiopia	11.9579N 41.3100E	392	
Serdivan-Sakarya	SAUV	Turkey	40.7401N 30.3271E	165	From 2012-02-07
Sereflikochisar	SERE	Turkey	38.9463N 33.5640E	1216	From 2010-06-29
ereflikohisar, Ankara	SRFK	Turkey,Turkey	38.8551N 33.7006E	1134	
Seremai	QARU	Tanzania,United Republic of Tanzania	3.5238S 35.6123E	1367	
Sergiyevskiy	SRGR	Krasnodarskiy Kray	45.4210N 39.1690E	15	From 2018-10-04
Sergokala	SGKR	Dagestan,Russia	42.4597N 47.6583E	500	
Sergoula	SERG	Greece	38.4133N 22.0566E	477	From 1998-07-01
Serifos	SERI	Greece	37.1609N 24.4853E	460	From 2010-07-28
Serinhisar-Denizli	SERH	Turkey	37.5820N 29.2588E	1032	From 2020-12-23
Seririt	SBBM	Indonesia	8.2031S 114.9179E	107	From 2020-12-31
Sermide	SERM	Italy	45.0100N 11.2958E	-128	From 2012-01-19
Sermur	SER	Limousin,France	45.9775N 2.4300E	710	
Serqueux, 52470, Haute-Marne	A157A	France	48.0025N 5.7326E	444	From 2016-08-03
Serra Branca	SRBC	Azores,Portugal	39.0366N 28.0409W	300	
Serracapriola	FG2	Italy	41.8048N 15.1609E	241	
Serra de San Diablo, Bolivia	BBSD	Bolivia	17.1875S 60.6099W	366	From 2016-08-23
Serra de Santa Barbara	PSBA	Azores,Portugal	38.7673N 27.3247W	453	
Serra di Burano	ATBU	Italy	43.4757N 12.5483E	1000	From 2009-10-27
Serra do Cume	PSCM	Azores,Portugal	38.7007N 27.1173W	360	
Serra do Cume	SCUM	Azores,Portugal	38.6975N 27.1201W	316	From 1983-03-01
Serra do Socorro	PSSC	Portugal	39.0153N 9.2336W	375	
Serra Facao	SFA1	Goias,Brazil	17.9707S 47.7018W	766	From 2008-01-01
Serra Gorong, A1032	M1032	Mozambique	18.5109S 34.0504E	679	
Serrai	SRS	Greece	41.1172N 23.5922E	400	From 1981-01-01
Serra La Nave	ESLN	Sicily,Italy	37.6934N 14.9744E	1787	From 2005-07-13
Serra Nova Dourada	SNDB	Mato Grosso,Brazil	11.9742S 51.2943W	252	From 2013-11-05
Serra Pizzuta	ESPC	Sicily,Italy	37.6917N 15.0273E	1600	From 1985-12-01
Serra Sant'Abbondio	MSSB	Italy	43.4947N 12.7828E	421	From 2010-12-28
Serres	SRS1	Greece	41.0850N 23.5410E	200	From 2008-10-01
Serres, N039	N039M	Greece	41.1087N 23.5846E	328	
Serretta (MS)	T0914	Italy	44.0796N 10.2065E	334	From 2013-06-22 to 2013-09-24
Sersale	SERS	Italy	39.0359N 16.6886E	1221	From 2005-10-19
Serting	ST16	Xizang Zizhiqu,China	31.8880N 89.4984E	4505	From 1998-07-24 to 1998-09-24
Seruci (CI)	SU11	Sardinia	39.2454N 8.4237E	150	From 2014-11-12 to 2015-09-01
Serui, Papua	SRPI	Papua New Guinea	1.8700S 136.2400E	87	From 2008-12-01
Serv Nac Est Terr	SNET	El Salvador	13.6868N 89.2315W	775	
Sessano del Molise	SSNM	Italy	41.6410N 14.3296E	740	From 2019-05-23
Sesta Godano	STDG	Italy	44.2939N 9.6758E	252	From 2013-06-26 to 2013-07-14
Sete Cidades	PSET	Azores,Portugal	37.8233N 25.7208W	475	From 2001-06-16
Sete Cidades	SETE	Azores	38.5290N 28.5043W	100	
Sete Cidades	SETA	Azores,Portugal	37.8131N 25.7513W	675	From 1990-05-22
Setif	SET	Algeria	36.2000N 5.4000E	1000	From 1958-09-01
Settepolesini, Bondeno (FE)	CAS03	Italy	44.8997N 11.4659E	5	From 2012-05-23
Settrington	AU08	England	54.1240N 0.6610W	181	From 2016-03-18
Setbal	PSETU	Portugal	38.5371N 8.8668W	48	From 2015-09-30
Setubal (Portugal)	SETU	Portugal	38.5024N 8.9579W	118	From 2008-07-02
S. Eusanio Forconese	MI05	Italia	42.2895N 13.5252E	585	From 2009-04-07 to 2009-04-28
Sevastopol	SEVA	Crimea	44.5300N 33.6800E	136	From 2012-10-12
Sevastopol'	SEV	Crimea	44.5450N 33.6680E	42	
Sevazhayr	SVZR	Armenia	39.9213N 45.4731E	2244	From 2021-11-01
Sevelten	SEVE	Germany	52.7994N 8.0709E	45	From 2014-07-16
Sevenhill	SNL	South Australia,Australia	33.8872S 138.6390E	480	From 1967-01-01 to 1971-12-31
Sevenoaks	TSA1	England,United Kingdom	51.2426N 0.1561E	177	From 1989-01-01
Seven Oaks Dam	SVD	California,U.S.A.	34.1064N 117.0982W	574	
Severino-Manabi	SEVS	Ecuador	1.0078S 80.0536W	338	From 2012-07-03
Severnaya Zemlya	SVZ	Severnaya Zemlya	79.2760N 101.6570E	21	From 2016-11-21
Severo-Baykalsk	SVBS	Buryatiya,Russia	55.6400N 109.3500E	490	
Severo-Kuril'sk	SKR	Sakhalinskaya Oblast',Russia	50.6830N 156.1170E	22	
Severomuysk	SVKR	Buryatiya,Russia	56.1169N 113.5589E	850	
Severo-Muysk	SVK	Buryatiya,Russia	56.1839N 113.5189E	850	
Severouralsk	SVUR	Sverdlovskaya Oblast',Russia	60.1985N 59.9778E	-139	From 2007-06-09
Sevier Lake (BLM), Delta	Q14A	Utah,U.S.A.	38.9882N 113.2769W	1464	From 2007-06-11 to 2008-11-17
Sevierville	V52A	Tennessee,U.S.A.	35.8417N 83.5959W	328	From 2012-05-14
Sevinc	SGT	Turkey	36.9438N 31.5008E	205	From 1975-04-01
Sewanee	SWTN	Tennessee,U.S.A.	35.3002N 86.0763W	305	
Sewanee	SWET	Tennessee,U.S.A.	35.2163N 85.9320W	581	
Seward	SEW	Alaska,U.S.A.	60.1043N 149.4526W	77	From 1972-08-22
Seward Park	SPW	Washington,U.S.A.	47.5535N 122.2471W	8	From 1969-09-17 to 2009-04-08
Seward Park 2	SP2	Washington,U.S.A.	47.5563N 122.2492W	30	
Sexfontaines	SFTF	Champagne-Ardenne,France	48.2050N 5.0383E	399	
Seychelles	SEYC	Seychelles	4.0833S 55.0833E		From 1913-01-01 to 1942-12-31
Seydisehir	SYT	Turkey	37.3047N 31.8750E	1530	From 1976-01-01 to 1981-01-31
Seydisehir-KONYA	SEYD	Turkey	37.4057N 31.8380E	1160	From 2014-02-04
Seymchan	SEY	Magadanskaya Oblast',Russia	62.9328N 152.3822E	218	
Seymchan - Ulakhan Temp Deploy	SS41	Magadanskaya Oblast',Russia	62.7508N 152.5096E	205	From 2007-08-01 to 2007-09-01
Seymchan - Ulakhan Temp Deploy	SS42	Magadanskaya Oblast',Russia	62.6551N 152.3267E	233	From 2007-08-01 to 2007-09-01
Seymchan - Ulakhan Temp Deploy	SS40	Magadanskaya Oblast',Russia	62.8247N 152.2816E	214	From 2007-08-01 to 2007-09-01
Seymour	SM-TX	Texas,U.S.A.	33.6822N 99.1897W	396	From 1961-12-06 to 1961-12-20
Seymour	SM-	Texas,U.S.A.	33.6822N 99.1897W	396	From 1961-12-06 to 1961-12-20
Sfakia	SFK1	Crete,Greece	35.2555N 24.1726E	768	From 2011-09-15
S. Felix do Tocantins -TO	RET13	Tocantins,Brazil	10.1824S 46.6419W	364	From 2011-09-12
Sfinta Ana	AAR	Romania	46.1333N 25.8950E	1101	
Sfrayin	ISFR	Iran	37.0538N 58.0000E	2448	From 1997-03-01
SGA	CSGA	Costa Rica	9.6937N 84.4980W	375	From 2002-04-11 to 2002-10-01
Sgolgore (BA)	SG1	Italy	40.8400N 16.6790E	523	From 1988-07-01
Sgonico	FSGC	Italy	45.7100N 13.7640E	272	From 2012-07-01
S. Gregorio al Celio, Rome	NR06	Italy	41.8860N 12.4914E	36	From 2021-02-03 to 2021-04-07
S Grimmer Bl Fremont	C017	California,U.S.A.	37.5065N 121.9262W	34	From 2009-07-01
Shaar Hagolan	SHGL	Israel	32.6857N 35.6043E	-166	From 2017-11-12
Shaartuz	SHTS	Tajikistan	37.2667N 68.1333E		
Shabestar	ISHB	Iran	38.2833N 45.6170E	2150	From 1995-08-01
Shabla	SHAB	Bulgaria	43.5389N 28.6057E	43	From 2012-11-20
Shadegan	SSHG	Iran	30.6575N 48.6411E	5	From 2010-08-11
Shade River State Forest Ohio	SROH	Ohio	39.1268N 81.7900W	250	From 2019-10-09 to 2500-12-31
Shahbuz	SBZ	Azerbaijan	39.3970N 45.5530E	1202	From 2011-11-30
Shahdad Kerman	KSHD	Iran	30.3452N 57.5125E	1149	From 2021-04-14
Shahmirzad	ISHM	Iran	35.8067N 53.2922E	2500	From 1999-05-01
Shahrakht	SHRT	Iran	33.6460N 60.2910E	837	From 2008-09-13
Shahran	ISHR	Iran	35.8061N 51.2889E	1470	From 1996-01-01
Shahrebabak	KSHB	Iran	30.2412N 55.1174E	2100	From 2021-07-01
Shahrekord	SHK1	Iran	32.3280N 50.8845E	2093	
Shahritus	SHAA	Tajikistan	37.5619N 68.1236E	868	From 2005-10-26
Shahrood	SHRO	Iran	35.9900N 56.0100E	1264	From 2009-02-04
Shahrud	SHD	Iran	36.4333N 54.9417E	1500	From 1975-03-01
Shai Hills	SHGH	Ghana	5.9283N 0.0419W	84	From 1987-01-01
Shajwa	KBR12	Saudi Arabia	25.3808N 38.9330E	580	
Shajwa	KBR11	Saudi Arabia	25.0287N 39.1613E	668	
Shakadang Downstream	TQ103	Taiwan region	24.1639N 121.6121E	73	From 2019-05-23
Shakadang Upstream	TQ102	Taiwan region	24.1701N 121.6111E	124	From 2019-05-23 to 2020-06-14
Shakhimardan	SHAK	Uzbekistan	39.9540N 71.7386E	1822	
Shakotan	JSK	Shiribeshi,Japan	43.3525N 140.4757E	10	
Shaleruckik Mountain	F19K	Alaska,U.S.A.	66.8332N 157.7728W	161	From 2017-07-23
Shalim	SHAO	Oman	18.0228N 55.6251E	292	From 2004-12-01
Shalkode	SHLS	Kazakhstan	43.1570N 79.4620E	1368	From 2004-06-02
Shamm	SHME	United Arab Emirates	26.0497N 56.1414E	162	From 2010-12-20
Shamokin	SH-PA	Pennsylvania,U.S.A.	41.0136N 76.9136W	183	From 1962-10-11 to 1962-10-27
Shamokin	SH-	Pennsylvania,U.S.A.	41.0136N 76.9136W	183	From 1962-10-11 to 1962-10-27

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Shamrock	SK-TX	Texas,U.S.A.	35.0828N	100.3639W	671	From 1963-08-19 to 1964-03-06
Shamrock	SK-	Texas,U.S.A.	35.0828N	100.3639W	671	From 1963-08-19 to 1964-03-06
Shamut	SHMT	Armenia	40.9436N	44.8043E	1576	From 2021-11-01
Shandon	TCHL	California,U.S.A.	35.6881N	120.4009W	431	From 2013-06-19
Shandon	PSHM	California,U.S.A.	35.5908N	120.4150W	390	
Shangus	SHN2	Pakistan	35.7210N	74.8220E	1702	From 2012-01-01
Shanhua	SSHA	Taiwan region	23.1360N	120.2880E	13	From 2014-12-11
SHANNON INFRASONIC ARRAY REFERENCE POINT	I47AU	Western Australia,Australia	34.5976S	116.3567E	167	From 2006-02-01
Shannon Station	SNGZ	North Island,New Zealand	38.7815S	177.3399E	488	From 2009-06-30
Shapsug	SPGR	Krasnodarskiy Kray	44.7422N	38.0730E	100	From 2015-09-08
Sharaf	SRFA	Saudi Arabia	28.9300N	35.1880E	725	From 1986-01-01 to 1995-12-31
Sharaf	SHRF	Saudi Arabia	28.9460N	35.1090E	1000	
Sharm el Sheik	SH2	Egypt	27.8817N	34.0833E	185	From 2010-06-30
Sharm el Sheik	SHRM	Egypt	27.8925N	34.1322E	284	
Sharon Grove	T47A	Kentucky,U.S.A.	36.9881N	87.1055W	217	From 2011-11-19
Sharon Springs	Q28A	Kansas,U.S.A.	39.0623N	101.8309W	1133	From 2009-05-10 to 2011-03-23
Sharp Cattle Ranch, Aspermont	Z31A	Texas,U.S.A.	33.3183N	100.1435W	547	From 2009-03-17 to 2011-02-08
Sharpitor	SHT	England,United Kingdom	50.5106N	4.0356W	0	
Sharp Point	SHPB	British Columbia,Canada	49.3476N	126.2598W	26	From 2019-06-05
Shasta Dam	SHS	California,U.S.A.	40.6950N	122.3880W	312	From 1942-01-01 to 1964-05-30
Shatili	SHTL	Georgia	42.6565N	45.1529E	1434	From 2014-09-14
Shatzhatmas	SHAR	Stavropol'skiy Kray,Russia	43.7428N	42.6686E	2070	
Shawbak	SHWJ	Jordan	30.3830N	35.5000E	1734	From 1989-11-01
Shawinigan Falls	SHF	Quebec,Canada	46.5517N	72.7633W	60	From 1928-01-01 to 1965-12-08
Shawnee Lookout	SLOH	U.S.A.	39.1220N	84.7920W	215	From 2023-07-01 to 2599-12-31
Shawnee State Forest 2	SSF2	Ohio	38.6886N	83.1276W	315	From 2020-10-21 to 2599-12-31
Shawnee State Forest Ohio	SSFO	Ohio	38.6952N	83.1972W	363	From 2016-05-25
Shawnee State University	SSUO	Ohio,U.S.A.	38.7290N	82.9890W	162	
Shawville	LDSQ	Quebec,Canada	45.7127N	76.3469W	257	From 2013-05-17
SHBE	SHBE	Eritrea	15.8545N	39.0547E	225	
SHBH1	SHBH1	Saudi Arabia	23.5212N	51.5741E	5	
SHBH2	SHBH2	Saudi Arabia	24.0916N	51.3045E	0	
Shebutintsy	NDNU2	Ukraine	48.6660N	27.1970E	258	
Sheenjek River	F26K	Alaska,U.S.A.	67.6946N	144.1455W	683	From 2016-07-15
Sheep	HSPM	California,U.S.A.	37.1152N	121.5160W	850	
Sheep Canyon	SCU	Utah,U.S.A.	39.4873N	110.2420W		From 1962-01-01 to 1977-03-31
Sheep Creek Facility	SCF	Alaska,U.S.A.	61.9947N	150.0390W	67	From 1971-08-01 to 1975-06-30
Sheep Creek Mountain	SCM	Alaska,U.S.A.	61.8333N	147.3280W	1020	
Sheep Hole Mountains	SHH	California,U.S.A.	34.1877N	115.6540W	1122	
Sheep Mountain BLM, Rosette	M14A	Utah,U.S.A.	41.5030N	113.3471W	1318	From 2007-02-10 to 2008-08-21
Sheeppen Canyon, Tinnie	Z24A	New Mexico,U.S.A.	33.3298N	105.3649W	1863	From 2008-05-15 to 2010-03-06
Sheep Range	SHPR	Nevada,U.S.A.	36.5055N	115.1602W	1590	
Sheep Range	SHRG	Nevada,U.S.A.	36.5048N	115.1559W	1641	From 1979-05-22 to 2002-10-10
Sheffield	SFF	Tasmania,Australia	41.3375S	146.3080E	213	From 1969-08-04 to 2009-09-03
Sheffield	M42A	Illinois,U.S.A.	41.4546N	89.7581W	212	From 2011-07-30
Sheffield School	SHFC	South Island,New Zealand	43.3912S	172.0258E	295	From 2005-02-23
Sheikh Budin	SBDP	Pakistan	32.2997N	70.8072E	1356	
Sheil Bridge	KSB	Scotland,United Kingdom	57.2098N	5.4230W	70	From 1983-01-01
Sheki	SEKA	Azerbaijan	41.2090N	47.1980E	847	From 2003-08-01
Shelburne	I52A	Ontario,Canada	44.0680N	80.1770W	505	From 2012-11-17
Shelby Farms Park, Memphis	W44A	Tennessee,U.S.A.	35.1395N	89.8161W	101	From 2011-05-12 to 2013-03-13
Shelby Forest	SFTN	Tennessee,U.S.A.	35.3575N	90.0187W	-23	From 1979-08-02
Shelbyville	R49A	Kentucky,U.S.A.	38.2916N	85.1714W	251	From 2012-06-06
Sheldon Lake, Yukon	MMPY	Yukon Territory,Canada	62.6189N	131.2625W	880	From 2013-07-01
Shell Creek	SCE1	Oklahoma,U.S.A.	35.4390N	97.8140W	408	
Shell Creek South, Shandon	TSCS	California,U.S.A.	35.4407N	120.3537W	467	From 2016-05-08
Shell Rock	SHRK	Oregon,U.S.A.	45.4643N	121.5288W	1318	From 2015-08-04
Shelter house	SHTH	Turkey	40.8767N	28.9729E	5	From 2006-09-27
Shemya	SHY	Alaska,U.S.A.	52.7333N	174.1330E		
Shemya	SQ-IS	Alaska,U.S.A.	52.7269N	174.1092E	61	
Shemya	SMY	Alaska,U.S.A.	52.7295N	174.0994E	58	
Shemya Is, Alaska	SHEM	Alaska,U.S.A.	52.7295N	174.0994E	55	From 2015-01-15
Shenako	SHNK	Georgia	42.3707N	45.6541E	1971	From 2021-09-24
Shenavan	KMLS	Armenia	40.8767N	44.2633E	1844	
Shenavan	SHNS	Armenia	40.8600N	44.2200E	1400	
Shenyang	SNY	Liaoning,China	41.8278N	123.5780E	54	From 1983-08-01
Shenyang	FEN	Liaoning,China	41.7833N	123.4000E	25	
Sherbrooke	SBQ	Quebec,Canada	45.3783N	71.9263W	265	From 1980-08-12
Sheridan	O47A	Indiana,U.S.A.	40.2361N	86.1742W	278	From 2011-10-21
Sheriff Wilson	SWNG	California,U.S.A.	37.6382N	118.8920W	2188	From 1979-11-11
Sherman	F64A	Maine,U.S.A.	45.8633N	68.3496W	179	From 2013-09-23
Sherman Crater--Mount Baker	SCW	Washington,U.S.A.	48.7675N	121.8170W	2990	From 1975-03-31 to 1976-10-01
Sherman Glacier	SGAM	Alaska,U.S.A.	60.5012N	145.2070W	424	From 1976-08-16
Sherman Twp	I48A	Michigan,U.S.A.	44.1873N	83.7022W	192	From 2012-11-06
Sherwin Lakes	MSLM	California,U.S.A.	37.6167N	118.9566W	2479	
Sherwood	L47A	Michigan,U.S.A.	41.9756N	85.2021W	282	From 2012-07-23
Sherwood Peak	KSPM	California,U.S.A.	39.5173N	123.5010W	869	
Sherwood Rancheria, Willits, CA	SHWD	California	39.5119N	123.4949W	854	From 2022-04-07
Sheshan	ZSC	Jiangsu,China	31.0956N	121.1870E	10	From 1976-11-15
Sheshan	SSE	Jiangsu,China	31.0956N	121.1867E	15	From 1976-11-15
Sheshan	ZSC*	Jiangsu,China	31.0967N	121.1860E	90	
Sheshan	ZKW	Jiangsu,China	31.1833N	121.4330E	7	
Shezaf	SZAF	Israel	30.9000N	34.5500E	290	
Shibata	SBH	Niigata,Japan	37.9656N	139.4538E	140	
Shiboa	JSB	Tochigi,Japan	36.9683N	139.9200E	460	
Shichikawa	SKW	Wakayama,Japan	33.5880N	135.6900E	120	From 1958-04-01
Shide	SHID	England,United Kingdom	50.6833N	1.2833W		
Shidnytsya	SHIU	Carpathian Mountains	49.2234N	23.3621E	580	From 2006-11-14
Shidzhatmaz	SHA1	Stavropol'skiy Kray,Russia	43.7380N	42.6571E	2120	From 2009-06-13
Shields Creek	CLAP	British Columbia,Canada	53.3217N	132.4110W	60	
Shigry	SHQRE	Saudi Arabia	27.8970N	36.1710E	1199	
Shikano	SNTD	Tottori,Japan	35.4105N	134.0204E	200	
Shikinejimakita	JSKK	Tokyo,Japan	34.3347N	139.2107E	39	From 2012-07-01
Shikotan	SKT*	Sakhalinskaya Oblast',Russia	43.8667N	146.8000E		
Shikotan	SHO	Sakhalinskaya Oblast',Russia	43.8700N	146.8300E	55	
Shiliguri	SLGI	India	26.7287N	88.4585E	118	
Shilin	ESL	Taiwan region	23.8140N	121.4330E	178	
Shillong	SHL	Meghalaya,India	25.5667N	91.8833E	1600	From 1953-01-01
Shillong	SHIO	Meghalaya,India	25.5667N	91.8833E	1600	
Shimam	JSH	Hiyama,Japan	42.6430N	140.0448E	72	
ShimaneMisato	JGT2	Shimane,Japan	35.0635N	132.5070E	150	From 2011-03-01
Shimbara	SHV	Nagasaki,Japan	32.7706N	130.3631E	50	
Shimen	NSM	Taiwan region	25.2878N	121.5886E	55	From 2014-08-07
Shimizu	SHM	Kochi,Japan	32.7750N	132.9580E	2	
Shimob	JYN	Yamanashi,Japan	35.4977N	138.5443E	775	
Shimobe	SBJ	Yamanashi,Japan	35.4157N	138.4834E	202	
Shimogamo	SGMN	Shizuoka,Japan	34.6472N	138.8550E	49	
Shimohsa	SMJ	Chiba,Japan	35.7934N	140.0238E	-2277	
Shimokamo	SMK	Shizuoka,Japan	34.6458N	138.8544E	20	
Shimokoshiki	JSJ	Kagoshima,Japan	31.6780N	129.7158E	240	
Shimonomoto	SMJD	Gifu,Japan	36.3941N	137.3864E	960	
Shimonoseki	SHN1	Yamaguchi,Japan	33.9450N	130.9280E	18	From 1984-01-01
Shimonoseki 2	SHNJ	Yamaguchi,Japan	34.1250N	131.1080E	20	
Shimonoseki 3	SHN	Yamaguchi,Japan	33.9533N	130.9400E	46	
Shimotochinai	K03	Iwate,Japan	39.3583N	141.5775E	289	
Shimoyama	SYJ	Aichi,Japan	35.0365N	137.3155E	303	
Shimwon	SMWA	Republic of Korea	35.5259N	126.5524E	20	From 2018-03-09
Shinagawa	SIN	Tokyo,Japan	35.6167N	139.7500E		
Shindian Village	TNSD	Taiwan region	24.5400N	120.9210E	210	From 2001-04-10
Shingle Point	SPY	Yukon Territory,Canada	68.9220N	137.2600W	35	From 1982-10-05
Shinhua	CHN3	Taiwan region	23.0760N	120.3650E	50	
Shinhuzimiza	SHZE	Nagano,Japan	36.3992N	138.5358E	2256	
Shinkiari	SIP	Pakistan	34.4667N	73.2992E	1448	
Shinkiari	SHI1	Pakistan	34.4830N	73.3060E	1544	From 1973-08-23
Shinpukuji	SPJN	Gifu,Japan	35.4537N	136.7930E	65	
Shinshiro-tsukude	JSST	Aichi	34.9688N	137.4231E	539	From 2022-03-29
Shinshiroyabe	JSSY	Aichi,Japan	34.9142N	137.5073E	67	From 2011-11-01
Shinshu-shinm'i	SSJ	Nagano,Japan	36.5715N	138.0400E	580	From 1967-08-01 to 1973-03-31
Shiocton	H42A	Wisconsin,U.S.A.	44.5091N	88.5311W	244	From 2011-09-30 to 2013-06-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Shiono misaki	SHJ	Wakayama,Japan	33.4483N	135.7630E	75	
Ship Mountains	SPM	California,U.S.A.	34.4720N	115.4030W	915	
Shira	SHRR	Krasnoyarskiy Kray,Russia	54.4928N	90.1614E	388	From 2000-06-26
Shirahama	SHRD	Kagoshima,Japan	31.6100N	130.6750E	160	
Shirakawa	SHR	Fukushima,Japan	37.1290N	140.2192E	355	
Shirakawa	SRJD	Gifu,Japan	35.5777N	136.4160E	380	
Shirakawa 2	SHRJ	Fukushima,Japan	37.0767N	140.2330E	395	From 1990-04-24
Shiraki	SHK	Hiroshima,Japan	34.5322N	132.6780E	285	From 1965-07-21
Shirataka	JYS	Yamagata,Japan	38.2210N	140.0655E	300	
Shiraz	SHI	Iran	29.6418N	52.5133E	1595	From 1963-05-10
Shiriuchi	JSR	Hiyama,Japan	41.5295N	140.4178E	55	
Shirley Library	SHLC	South Island,New Zealand	43.5053S	172.6634E	5	From 2008-01-31
Shiroyama	SRY	Kanagawa,Japan	35.6083N	139.2740E	254	From 1967-06-01
Shirttail Gulch	BSGM	California,U.S.A.	36.4138N	121.2540W	192	From 1969-06-18
Shirttail Gulch	SHG	California,U.S.A.	36.4138N	121.2540W	192	From 1969-06-18
Shirvan	ISHV	Iran	37.5347N	57.7027E	1925	From 1997-03-01
Shishaldin	SSBA	Alaska,U.S.A.	54.7727N	164.1245W	766	
Shishaldin North	SSLN	Alaska,U.S.A.	54.8118N	163.9959W	637	
Shishaldin South	SSLS	Alaska,U.S.A.	54.7120N	163.9988W	817	
Shishaldin West	SSLW	Alaska,U.S.A.	54.7718N	164.1214W	628	
Shishapangma	YALA	Bhutan	28.4043N	86.1133E	4434	
Shiura	JSI	Aomori,Japan	41.0547N	140.3967E	40	
Shiura 2	JSI2	Aomori,Japan	41.0575N	140.4112E	60	
Shiveluch	SVLR	Kamchatskaya Oblast',Russia	56.5769N	161.2200E	840	
Shiveluch-Kupola	KPLS	Kamchatskaya Oblast',Russia	56.6100N	161.3000E	1650	From 1986-01-01 to 1993-04-30
Shivlakha	SHIV	Gujarat,India	23.2918N	70.3390E	67	From 2012-01-01
Shivta	SVTA	Israel	30.9300N	34.6200E	370	
Shizi	SLIU	Taiwan region	22.2162N	120.7990E	197	From 2014-07-28
Shizugawa	SZG	Kyoto,Japan	34.8882N	135.8319E	70	
Shizuoka	SHZ	Shizuoka,Japan	34.9733N	138.4070E	14	
Shizuoka 2	SHZJ	Shizuoka,Japan	35.0278N	138.4227E	40	From 1989-03-25 to 1993-03-24
Shizuoka 3	SHZ3	Shizuoka,Japan	35.0658N	138.2100E	710	From 1993-03-29
Shkodra	SDA	Albania	42.0519N	19.4986E	10	
SHLH	SHLH	Israel	30.9920N	34.5300E	140	From 1980-12-28 to 1986-05-31
Shlomzion	SLMZ	Israel	32.1021N	35.4927E	16	From 2018-02-20
Shoal	SZ-NV	Nevada,U.S.A.	39.2036N	118.3800W	1606	From 1963-01-05 to 1963-02-02
Shoal	SZ-	Nevada,U.S.A.	39.2036N	118.3800W	1606	From 1963-01-05 to 1963-02-02
Shoalbay	SHOA	Andaman Islands,India	11.5179N	92.4420E	15	From 2012-01-01
Shoe Peg Valley	SPVI	Idaho,U.S.A.	44.5842N	116.7710W	1100	From 1991-09-01
Shofu	SHOFU	Saudi Arabia	24.9790N	49.7770E	184	
Shokan	L60A	New York,U.S.A.	41.9890N	74.2226W	388	From 2013-09-04
SHOLAK	SHLK	Kazakhstan	43.9388N	77.7011E	710	From 1987-01-01 to 1989-08-21
Shompole Clinic	KEN3	Kenya	2.0932S	36.1186E	633	From 2013-07-10 to 2014-12-03
Shongar, Azerbaijan	MV07	Azerbaijan	40.3566N	49.6049E	18	From 2021-02-17
Shonto	U17A	Arizona,U.S.A.	36.5996N	110.6624W	1976	From 2007-06-08 to 2009-02-09
Shooshtar-Gavsavar	SHGR	Iran	32.1083N	48.8013E	150	From 2002-04-01
Shoreham	I60A	Vermont,U.S.A.	43.8440N	73.2916W	101	From 2013-09-20
Shoreline CC	SCCW	Washington,U.S.A.	47.7496N	122.3611W	0	
Shori	SHO1	Pakistan	35.5000N	73.3660E	990	From 2007-09-01
Short Canyon	WSCM	California,U.S.A.	35.7043N	117.8860W	881	
Short Mountain	SMTN	Tennessee,U.S.A.	36.3820N	83.1820W	768	
Shosan	JSS	Rumoi,Japan	44.3997N	141.8530E	110	
Shoshone NF, Cody	H18A	Wyoming,U.S.A.	44.6769N	109.6641W	2221	From 2008-08-15 to 2010-06-08
Shoshone Peak	SSP	Nevada,U.S.A.	36.9253N	116.2194W	2095	From 1973-10-10 to 2002-10-10
Shoshone, Tecopa	SHOC	California,U.S.A.	35.8995N	116.2753W	451	From 1996-10-14
Shoshoni	J20A	Wyoming,U.S.A.	43.3531N	108.0842W	1500	From 2008-08-09 to 2010-09-11
Shoshtar	ISHO	Iran	32.2891N	48.0223E	0	From 1998-01-01
Shoufeng	SHUL	Taiwan region	23.7875N	121.5627E	35	From 2017-10-06
Shoufeng	ENLB	Taiwan region	23.9036N	121.6017E	71	From 2002-12-02
Shoufeng Township	ESF	Taiwan region	23.8710N	121.5070E	28	From 1998-08-07
Shoushan	TWM1	Taiwan region	22.8233N	120.4226E	340	From 1977-03-28
Shoushan	TWM	Taiwan region	22.6417N	120.2510E	70	From 1972-09-09
Showa-Shinzan	SHOH	Iburi,Japan	42.5352N	140.8617E	192	
SHRS	SHRS	Saudi Arabia	21.5008N	40.1995E	789	
Shuangxi	TIPB	Taiwan region	24.9719N	121.8256E	393	From 2009-05-17
Shubertovo	SBRT	Kamchatskaya Oblast',Russia	55.9550N	162.0070E	34	From 1983-07-01 to 1983-09-01
Shui	SHUI	Tyva,Russia	50.8867N	90.3333E	1170	From 1964-08-16 to 1971-09-30
Shuiliandong	TQ04	Taiwan region	24.1811N	121.4744E	728	From 2020-02-08
Shuilin Township	WSL	Taiwan region	23.5226N	120.2278E	55	From 2015-12-04
Shuksan-Mt. Baker Ski Area	SHUK	Washington,U.S.A.	48.8528N	121.6770W	1516	
Shullsburg	K41A	Wisconsin,U.S.A.	42.6071N	90.3046W	298	From 2011-06-20 to 2013-05-13
Shurabad, Azerbaijan	SHUR	Azerbaijan	40.7939N	49.4963E	-31	From 2020-07-27
Shurtz Canyon	SZCU	Utah,U.S.A.	37.5954N	113.0875W	2026	From 2009-10-22
Shushi	SUSZ	Karabakh	39.7650N	46.7530E	1250	From 1998-01-01
Shushtar	SHGO	Iran	32.1083N	48.8013E	50	From 2004-06-01
Shuwaq	URD12	Saudi Arabia	27.7617N	37.0577E	1179	
Shuwaq	URD06	Saudi Arabia	27.4500N	36.7600E	1759	
Shuyak Island	Q20K	Alaska,U.S.A.	58.6097N	152.3942W	180	From 2016-05-25
Shuyak Island	SHU	Alaska,U.S.A.	58.6281N	152.3490W	34	From 1974-01-01
Shuyak Island	SYI	Alaska,U.S.A.	58.6100N	152.3910W	149	From 1990-08-27
SHVT	SHVTI	Israel	30.9240N	34.6120E	370	From 1984-10-01 to 1986-04-30
Shwairf	LSHF	Libya	29.9868N	14.2477E	429	
SHZF	SHZF	Israel	30.8940N	34.5360E	300	From 1982-08-01 to 1986-04-30
Siak, Riau, Sumatra, Indonesia	SIRSI	Indonesia	0.8917N	101.2365E	69	From 2021-12-31
Siatista	SIA1	Greece	40.2573N	21.5535E	941	From 2011-04-01
Sibate, Cundinamarca	SBTC	Colombia	4.4770N	74.2870W	2726	From 2016-05-14
Sibayak Dolok	SIBI	Sumatera,Indonesia	3.2408N	98.5044E	2050	From 1991-10-01
Sibenik	SEB	Croatia	43.7333N	15.9000E		
Sibinal	SBG	Guatemala	15.1320N	92.0535W	2860	From 1986-03-01
Sibiti River	MWSR	Tanzania,United Republic of Tanzania	3.8388S	34.6437E	1028	
Sibiu	SIBR	Romania	45.8099N	24.1758E	463	From 2007-11-07 to 2022-06-30
Sibiu Dumbrava	SBDR	Romania	45.7555N	24.1118E	503	From 2022-06-30
Sibolga	SBSI	Sumatera,Indonesia	1.5500N	98.8900E	147	From 2005-01-01
Sibu	SBUM	Sarawak,Malaysia	2.4500N	112.2200E	30	From 2003-11-01
Sibulan	SNPH	Mindanao,Philippines	9.3430N	123.2360E	520	
Sicasica	SICA	Bolivia	17.2924S	67.7490W	4065	From 1994-05-30 to 1995-04-10
Sicasica	SCS	Bolivia	17.2847S	67.8153W	3900	
Sicignano	SGO	Italy	40.5604N	15.3074E	651	
Sida	SID	Iceland	63.7858N	18.0583W	26	
Sidenro, N014	N014M	Greece	40.1288N	21.3542E	889	
Sideras, N021	N021M	Greece	40.3798N	21.6915E	1099	
Sides Ranch, Smithwick	J26A	South Dakota,U.S.A.	43.3126N	103.0752W	993	From 2009-07-31 to 2011-06-01
Sidewinder Mine	SDW	California,U.S.A.	34.6092N	117.0740W	1184	From 1975-02-01
Sidey	SWPM	Indonesia	0.8036S	133.5948E	178	From 2020-12-31
Sidi Abdelli	OSBL	Algeria,Algeria	35.0820N	1.1440W	414	
Sidi Amar	ABKD	Algeria,Algeria	36.5350N	2.3090E	217	
Sidi-Bou-Said	SBS	Tunisia	36.8700N	10.3500E	125	
Sidi Chahed	SICH	Morocco	34.1040N	5.3170W	297	
Sidi Gnaou	SGNT	Tunisia	33.6608N	9.8702E	90	
Sidi Ifni	SFNM	Morocco	29.3340N	10.1660W	0	
Sidikalang, Sumatera Utara	SDSM	Indonesia	2.7538N	98.2868E	1018	From 2019-01-01
Sidi Ladjel	AFDJ	Algeria,Algeria	35.4014N	2.5758E	863	
Sidi Makhlouf	SMKT	Tunisia	33.5280N	10.5089E	13	From 2019-05-10
Sidi M'hamed Benaouda	ESMB	Algeria,Algeria	35.5728N	0.5823E	240	
Sidi Mnan	M017	Morocco	33.6988N	5.9907W	657	
Sidi Yaiche	SYA	Tunisia	34.7418N	8.8070E	550	
Sidney	PGC	British Columbia,Canada	48.6500N	123.4510W	5	From 1978-03-18
Sidney Island	SILB	British Columbia,Canada	48.6020N	123.2815W	76	
Sidoarjo, Jawa Timur	SIJM	Indonesia	7.4101S	112.7605E	24	From 2019-01-01
Sidrap Palu	SPSI	Sulawesi,Indonesia	3.9646S	119.7691E	0	From 2007-12-01
Sid's House	HGSB	British Columbia,Canada	53.2557N	132.1048W	92	From 2012-11-17
Siegrist	RDS	Alaska,U.S.A.	64.8265N	148.1450W	510	From 1977-06-01
Siena	SIE	Italy	43.3200N	11.3122E	349	
Sierra Bellavista	BO02	O'Higgins	34.7925S	70.7815W	886	From 2014-01-16
Sierra Bermeja	SBPR	Puerto Rico	17.9883N	67.1230W	170	From 2019-12-16
Sierra Blanca Array Site 1	SB1	Texas,U.S.A.	31.2100N	105.4378W	1570	
Sierra Blanca Array Site 2	SB2	Texas,U.S.A.	31.2117N	105.2900W	1379	
Sierra Blanca Array Site 3	SB3	Texas,U.S.A.	31.0983N	105.2983W	1384	
Sierra Cabrera	ASCB	Spain	37.0393N	2.0057W	0	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
SIERRA CHATA	NQ03	Neuquen	38.1501S	69.5073W	1220	From 2023-03-01
Sierra de Lcar, Granada	E026	Spain	37.4952N	2.5945W	1086	From 2007-09-11 to 2009-06-25
Sierra de Lijar	ELIJ	Spain	36.9178N	5.3808W	870	
Sierra del Retn, Cadiz	E001	Spain	36.1742N	5.8392W	346	From 2007-06-28 to 2009-05-01
Sierra Elvira	SELV	Spain	37.2383N	3.7277W	650	
Sierra Elvira	ELVI	Spain	37.2505N	3.7023W	860	
Sierra Foothill REC, California	SFRE	California	39.2565N	121.3229W	284	From 2018-09-01
Sierra Gorda, Loja, Granada	EGOR	Spain	37.1101N	4.1096W	1378	From 2011-02-01
Sierra Juarez	ESJX	Baja California	32.0048N	115.9480W	1618	
Sierra La Laguna	SLBS	Baja California,Mexico	23.6858N	109.9443W	825	
Sierra Loja	ELOJ	Spain	37.1477N	4.1526W	998	From 1993-11-29
Sierra Morena, Bogot	SMORC	Colombia	4.5745N	74.1700W	2822	From 2016-04-24
Sierra Morrones	ASMO	Spain	37.3580N	3.7430W	1170	
Sierra Prieta	DR14	Dominican Republic	18.6447N	70.0078W	0	
Sierra Ventana	VBA	Buenos Aires,Argentina	38.0539S	61.9756W	495	
Sierre	SIERE	Switzerland	46.3853N	7.4734E	2910	From 1974-09-10 to 2002-02-15
Sierre, Farmhouse, VS	SIE01	Switzerland	46.2696N	7.4968E	510	From 2018-07-13
Siete Picos	DR15	Dominican Republic	18.7503N	70.1773W	800	
Sifford Mountain, Drakesbad, CA USA	SIFF	California	40.3972N	121.4235W	1889	From 2020-11-01
Siggri Mitillinis	SGR1	Greece	39.2114N	25.8553E	22	From 2011-01-30
Sighetul Marmatiei	SIMAR	Romania	47.9287N	23.8918E	271	From 2015-09-29
Sigillo	A004	Italy	43.3304N	12.7364E	472	From 2011-02-08
Siglufjorour	ISIG	Iceland	66.1320N	18.9150W	10	From 1993-10-26
Sigmaringen, Junganu	A102A	Germany	48.1400N	9.1994E	684	From 2015-11-13
Sigmaringen-Wittberg	SGW	Baden-Wurttemberg,Germany	48.1068N	9.2150E	700	From 1994-01-01 to 1997-12-31
Signal de Mont	SMF	Bourgogne,France	46.6453N	3.8411E	459	From 1976-05-01
Signal Hill	SIH	Trinidad and Tobago	11.1722N	60.7708W	80	
Signal Mountain	W50A	Tennessee,U.S.A.	35.2002N	85.3119W	587	From 2012-04-17
Signal Peak, CA USA	SIGP	California	41.8728N	124.0676W	547	From 2018-01-02
Sign of the Kiwi	STKS	South Island,New Zealand	43.6065S	172.6449E	350	From 2011-12-13
Signy Island	SGY	South Orkney Islands	60.7101S	45.5976W	30	From 1974-02-01
SIGRI	SIGR	Greece	39.2114N	25.8553E	83	From 2007-12-19
Sigues	YSIG	Spain	42.6396N	0.9946W	776	From 2010-07-19
Sigus	CSGS	Algeria,Algeria	36.1324N	6.7117E	967	
Siheung-si	SHHB	Republic of Korea	37.3488N	126.7039E	39	From 2011-12-26
Sihmah	SMAN	Saudi Arabia	26.1780N	48.0650E	307	
Siikajoki	OBF3	Finland	64.8000N	24.7000E	25	From 2013-08-01
Siirt_Merkez	SRTM	Turkey	37.9911N	41.9223E	1145	From 2011-10-29
Siirt/Pervari-Merkez	PERV	Turkey	37.9461N	42.5417E	1377	From 2014-11-28
Sikka	SKK	Sakhalinskaya Oblast',Russia	49.2333N	143.1170E	2	
Sila	SLWR	United Arab Emirates	24.0696N	51.6913E	22	
Silaut, Pesisir Selatan, Sumatera Barat	STSI	Indonesia	2.3887S	101.0478E	16	From 2019-10-01
SILCHAR	SILR	Assam,India	24.7813N	92.8028E	18	From 2011-05-01
Sile	SILT	Turkey	41.1530N	29.6430E	100	From 2002-01-01
Silifke	SLF	Turkey	36.2386N	33.6852E	120	From 1995-04-06
Silifke-Mersin	SLFK	Turkey	36.3925N	33.9465E	55	From 2011-09-01
Silifke-Mersin	SILI	Turkey	36.3670N	33.9239E	122	From 2011-07-01
Silih Nara, Aceh	SISM	Indonesia	4.6082N	96.7288E	1034	From 2019-01-01
Silistra	SILAM	Bulgaria	44.1046N	27.2665E	84	From 2012-11-20
Silivri	SLVT	Turkey	41.2300N	28.2100E	180	From 2002-01-01
Silivri-Istanbul	SILV	Turkey	41.0723N	28.2390E	2	From 2023-05-25
Sillano (LU)	T0915	Italy	44.2217N	10.3023E	721	From 2013-06-22 to 2013-09-25
Siloam, Limpopo	MPHEP	South Africa	22.9070S	30.1778E	1005	From 2017-06-13
Silsa - SILE	ASILE	Ethiopia	12.4070N	41.1879E	472	
Silvan-Diyarbakir	SVAN	Turkey	38.1511N	41.1984E	655	From 2009-12-12
Silva Ranch	BSLM	California,U.S.A.	36.7755N	121.3490W	155	From 1975-07-16
Silver Beach Elementary School	SBES	Washington,U.S.A.	48.7683N	122.4150W		
Silver City	SIY	Yukon Territory,Canada	61.0317N	138.4070W	785	From 1979-12-05 to 1980-03-27
Silver City	SVM	New Mexico,U.S.A.	32.7787N	108.2967W	1932	From 1977-12-01 to 1999-08-25
Silver Creek	CSCM	California,U.S.A.	37.2852N	121.7720W	128	From 1967-06-10
Silver Creek	SVC	California,U.S.A.	37.2852N	121.7725W	128	From 1967-06-10
Silver Gate	SGM	Montana,U.S.A.	45.0075N	109.9890W	2285	From 1973-01-01 to 2004-03-05
Silver Peak	SIL	California,U.S.A.	34.3478N	116.8270W	1730	
Silver Peak Range	SVP	Nevada,U.S.A.	37.7148N	117.8013W	2621	
Silverton	SLR	Transvaal,South Africa	25.7350S	28.2817E	1348	From 1981-07-20
Silverton, S11	SCR11	Colorado	37.8115N	107.6693W	2863	
Silvia	SILC	Colombia	2.6880N	76.3397W	3150	From 1990-01-01
Simarbalatuk	SIMI	Sumatera,Indonesia	2.6889N	98.9469E	1681	
Simav	SIMV	Turkey,Turkey	39.1086N	29.0244E	846	
Simav-Kutahya	SMAA	Turkey	39.1005N	28.9805E	796	From 2012-05-08
Simav-Kutahya	SIMA	Turkey	39.0833N	28.9825E	984	From 2011-07-26
Simbario	SIMB	Italia	38.6067N	16.3215E	810	From 2019-06-15
Simferopol'	SIM	Crimea	44.9490N	34.1160E	275	
Simia	SMIA	Greece	38.8791N	23.2090E	448	From 2008-10-16
Simia	VSI	Greece	38.8793N	23.2090E	448	From 1982-11-01
Simiane la Rotonde	SMRF	Provence-Cote d'Azur,France	43.9760N	5.5750E	654	
Simiganj	SIMJ	Tajikistan	38.6585N	69.0083E	1400	From 2016-10-06
Simi Peak	SI2	California,U.S.A.	34.2039N	118.7990W	700	From 1973-06-01
Simla	SMI	Himachal Pradesh,India	31.1000N	77.1833E		
Simla	SMLA	Himachal Pradesh,India	31.1283N	77.1667E		
Simmler	SMMC	California,U.S.A.	35.3142N	119.9958W	599	From 1999-11-09
Simojovel	SMJM	Chiapas,Mexico	17.1340N	92.7150W		
Simon	SIMR	Nevada,U.S.A.	38.4750N	117.7675W	1899	
Simpati, Sumatera Barat	SMSM	Indonesia	0.0059S	100.1710E	361	From 2019-01-01
Simplonpass	SIMPL	Switzerland	46.2396N	8.0196E	1930	From 2009-10-28
Simpson Lake	SMPN	Northwest Territories,Canada	68.2107N	126.6540W	226	From 2010-07-17
Simpson Lake, Nunavut	SMLN	Nunavut,Canada	68.5936N	91.9364W	237	From 2010-07-30
Simpson Ranch	NBC8	Yukon Territory,Canada	56.5731N	122.4044W	709	
Simushir	SIU	Sakhalinskaya Oblast',Russia	46.8500N	151.7800E	15	
Sinabang, Aceh	SNSI	Sumatera,Indonesia	2.4089N	96.3267E	14	From 2008-12-01
Sinaia	SINR	Romania	45.3550N	25.5526E	834	From 2019-05-24
Sinaia	SNX	Romania	45.3553N	25.5155E	1470	From 1989-07-01
Sinanoba-Istanbul	SINB	Turkey	40.9993N	28.5395E	59	From 2011-01-01
Sinapred Managua	DECN	Nicaragua	12.1465N	86.2742W	76	From 2014-05-22 to 2018-03-31
Sinclair Lake	A22K	Alaska,U.S.A.	71.0033N	154.9742W	6	From 2017-08-19
Sinclairville	L54A	New York,U.S.A.	42.2345N	79.3162W	432	From 2013-03-26
Sindeldorf	SIND	Baden-Wurttemberg,Germany	49.3476N	9.6044E	331	From 1998-01-01
Sindhuli	SINN	Nepal	27.2107N	85.9088E	465	From 2001-10-19 to 2002-11-03
Sindorf	BA05	Nordrhein-Westfalen,Germany	50.9175N	6.6637E	72	From 2006-10-01
Sindue, Sulawesi Tengah	SDCI	Indonesia	0.4942S	119.7687E	27	From 2019-01-01
Sinegor'e	KOLG	Magadanskaya Oblast'	62.0600N	150.4050E	480	From 2022-08-04
Sinegor'e	SNGR	Magadanskaya Oblast',Russia	62.0800N	150.5210E	300	From 2003-04-26
Sinegor'e	SNE	Magadanskaya Oblast',Russia	62.0900N	150.5200E	400	
Sinegor'e	SNGS	Magadanskaya Oblast',Russia	62.0854N	150.5251E	400	From 2003-05-04
Sines	PSINE	Portugal	37.9584N	8.8628W	20	From 2016-05-07
Singah	SINI	Jawa,Indonesia	7.0144S	107.5000E	1000	
Singapore	SING	Singapore	1.3050N	103.8500E		
Singaraja	SRBI	Bali,Indonesia	8.0848S	115.2127E	0	From 2007-12-01
Singen-Schiener Berg	SISB	Baden-Wurttemberg,Germany	47.6864N	8.9643E	490	From 2003-01-01 to 2016-12-31
Singi	SNGB	Republic of Korea	37.3465N	129.0862E	24	From 2018-03-09
Singida	SINGT	Tanzania,United Republic of Tanzania	4.8083S	34.7380E	1506	
SINGM	SINGM	Malawi	14.8083S	34.7380E	1506	
Singureni	SGRR	Romania	44.2228N	25.9743E	115	From 2011-09-21
Sinj	SNJ	Croatia	43.7333N	16.6500E		
Sinn el Kaddab	ASKD	Egypt	23.6597N	32.3847E	258	
sinnyeong	SNNA	Republic of Korea	36.0502N	128.7111E	303	From 2019-03-18
Sinonel	SLG	Guatemala	14.7078N	91.6355W	1220	From 1979-11-01 to 1987-12-31
Sinop	SNP1	Mato Grosso	11.3298S	55.4553W	315	From 2015-11-10
Sinop	SNOP	Turkey	42.0195N	35.2068E	180	From 2010-08-16
Sinop	SINP	Turkey	41.9823N	35.0956E	93	From 2012-03-23
Sinop/Boyabat-Salar	BOYA	Turkey	41.5330N	34.6806E	443	From 2014-11-25
SINOP_Merkez	SINO	Turkey	42.0184N	35.2019E	203	
Sintang	STKI	Kalimantan,Indonesia	0.0656N	111.4772E	88	From 2005-01-01
Sint Eustatius	STAT	Netherlands Antilles	17.4950N	62.9787W	50	
Sint Maarten	MRN	Netherlands Antilles	18.0120N	63.0600W	20	From 1976-10-01 to 1999-08-25
Sinuiju	SUJ	Democratic People's Republic of Korea	40.1029N	124.4937E	20	From 1978-01-01
Sinyu	KV12	Kagoshima,Japan	31.8886N	130.8714E	890	
Siocon, Zamboanga del Norte	SZNP	Philippines	7.7144N	122.1396E	91	
Sion	SIS	Switzerland	46.2667N	7.3667E	500	From 1932-01-01 to 1941-12-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sion-Mayennets	SIOM	Switzerland	46.2290N	7.3619E	495	From 2011-01-01
Sion-Ophtalmol	SIOO	Switzerland	46.2328N	7.3832E	495	From 1997-05-14
Sion-Valere	SIOV	Switzerland	46.2351N	7.3642E	560	From 2006-08-29
Sioux Lookout	SOLO	Ontario,Canada	50.0213N	92.0812W	373	From 1988-10-24
Sioux Lookout	SXO	Ontario,Canada	50.0917N	91.9983W	420	From 1982-09-27 to 1986-09-24
Sioux Lookout	SOO	Ontario,Canada	50.0762N	91.8880W	358	From 1987-06-07
Siparia	SIPA	Trinidad and Tobago	10.1429N	61.5060W	60	
Sipayare	SIPV	Venezuela	10.1827N	70.9322W	154	
Sipbachzell	A024B	Austria	48.1002N	14.1399E	381	From 2016-08-31
Siplipahar	SHLP	Orissa	21.1160N	82.9470E	224	From 2017-09-08
Sipora Selatan	TRIYO	Indonesia	2.0602S	99.5831E	51	From 2020-12-31
Siquirres	IRES	Costa Rica,Costa Rica	10.0960N	83.5050W	84	
Siquisique	SIQV	Venezuela	10.6490N	69.8080W	440	From 2002-05-30
Sirabahal	SRBH	Orissa	20.4430N	83.5270E	168	From 2017-09-07
Sir Abu	ESRB	United Arab Emirates	25.2200N	54.2339E	9	
Siracusa	HSRS	Sicily,Italy	37.0930N	15.2220E	100	From 1994-05-01
Sirdan	QSDN	Iran	36.5036N	49.1740E	2148	
Siria	SIRR	Romania	46.2675N	21.6597E	480	
Siria	SIR	Venezuela	10.5092N	66.5092W	1050	From 1974-01-01
Siria - Feredeu	MFRD	Romania	46.2414N	21.6543E	232	From 2023-03-16
Siritaun Wida Timur, Maluku	SSMI	Indonesia	3.7367S	130.8288E	65	From 2019-01-01
Sirnak	SIRT	Turkey	37.5011N	42.4392E	1038	From 2005-06-22
Sırnak	SIRN	Turkey	37.4962N	42.4130E	968	From 2008-11-03
Sirolo	MSIR	Italy	43.5402N	13.6100E	361	From 2007-10-02
Sirombu, Sumatera Utara	SNBI	Indonesia	0.9632N	97.4295E	4	From 2019-01-01
Sirt	LSRT	Libya	31.0812N	16.6582E	95	
Sisak	SISC	Croatia	45.4710N	16.3720E	100	
Sisimiut, Greenland	SISG	Greenland	66.9366N	53.6430W	0	
Sisters	GRSS	Grenada	12.2985N	61.6123W	20	
SITAMARHI	STMR	Bihar	26.7530N	85.2740E	55	From 2018-03-11
Sitaras, N013	N013M	Greece	39.9462N	21.4035E	836	
Site Antares, Toulon	ASEAF	Provence-Cote d'Azur,France	42.7945N	6.1635E	-2470	From 2010-11-01
Siteia	SIT2	Crete,Greece	35.2059N	26.1070E	2	From 2011-09-01
Sitellu Tali Urang Julu, Sumatera Utara	SPSM	Indonesia	2.5160N	98.3738E	999	From 2019-01-01
Sitia Lasithi	STIA	Crete,Greece	35.2020N	26.0909E	89	From 2006-12-01
Sitka	SIT	Alaska,U.S.A.	57.0569N	135.3244W	19	From 1999-08-11
Sitkalidak Island	SKD	Alaska,U.S.A.	57.1642N	153.0800W	135	From 1977-08-11
Sitkinak Island	SII	Alaska,U.S.A.	56.5593N	154.1842W	492	From 1975-10-01
Sitohorio	S003	Greece	37.3210N	21.8080E	537	
Sittwe	SIMRM	Myanmar	20.1332N	92.8852E	15	
Siulak Mukai, Jambi	SKSM	Indonesia	1.9460S	101.3497E	956	From 2019-01-01
Siu Lam	HKSL	Hong Kong,China	22.3647N	114.0145E	100	From 1997-04-23
Sivas	SIVA	Crete,Greece	35.0175N	24.8100E	95	
Sivas	SVST	Turkey	36.9361N	36.9528E	1640	From 1992-01-01
Sivas-Altinyayla-Merkez	CUAYA	Turkey	39.2655N	36.7463E	1509	From 2015-05-22
Sivrice-ELAZIĞ	SVRC	Turkey	38.3784N	39.3063E	1680	From 2007-04-27
Sivrice-Elazig	ESGZ	Turkey	38.4299N	39.0625E	1572	
Sivrice-Elazig	ESIJ	Turkey	38.4485N	39.3112E	1296	
Sivrigoynuk	SGKT	Turkey	40.5733N	32.0561E	1890	From 1992-01-01
SIVRIHISAR	AUSIV	Turkey	39.4396N	31.5397E	1111	From 2010-02-09
Sivrihisar-ESKISEHIR	SVRH	Turkey	39.4469N	31.5230E	1000	From 2007-12-27
Six Diamond Ranch, Ranyesford	D17A	Montana,U.S.A.	47.1523N	110.6873W	1535	From 2007-10-13 to 2009-09-11
Sixes	K01A	Oregon,U.S.A.	42.8088N	124.4692W	175	From 2005-12-20 to 2007-11-30
Sixmile	SXM	Montana,U.S.A.	46.1492N	111.2080W	1993	
Sixmile Butte	SMBI	Idaho,U.S.A.	43.5022N	113.2680W	1736	From 1992-01-01
Six Mile Mountain	SMMS	South Carolina,U.S.A.	34.8325N	82.8042W	468	
Sixt	OGSI	Rhone-Alpes,France	46.0665N	6.7540E	750	
Sixty Eight Flow	SELF	Costa Rica	10.4712N	84.7322W	500	
Siyzn	SIZA	Azerbaijan	41.0760N	48.8990E	984	From 2003-08-01
Sjenica	SJES	Serbia	43.2613N	19.9734E	1181	From 2004-03-26
Sjulsmark	SJUU	Sweden	65.5080N	21.6055E	100	From 2000-08-30
Skadanscina	SKDS	Slovenia	45.5464N	14.0143E	552	From 2006-04-12
Skaggs, Pawnee	P43A	Illinois,U.S.A.	39.6409N	89.5213W	176	From 2011-08-16
Skaggs Springs	SKGS	California	38.6890N	123.0784W	640	From 2022-07-21
Skaggs Springs	SKG	California,U.S.A.	38.7020N	123.0130W	282	From 1975-01-22
Skaggs Springs	GSSM	California,U.S.A.	38.7020N	123.0130W	282	From 1975-01-22
Skagit Valley Community College ANSS SMO	SVOH	Washington,U.S.A.	48.2892N	122.6332W	22	From 2001-09-14
Skagway	SKAG	Alaska,U.S.A.	59.4601N	135.3290W	134	From 2004-10-13
Skagway School	SKGA	Alaska,U.S.A.	59.4650N	135.3098W	0	
Skala	BG01A	Bulgaria	43.6886N	27.1933E	236	From 2022-06-13
Skalice	SKAC	Czech Republic	50.5678N	14.1357E	349	From 2018-06-04
Skalka u Prostejova	SUPC	Czech Republic	49.3977N	17.1720E	274	From 2015-07-24
Skalna	SKC	Czech Republic	50.1698N	12.3611E	455	From 1994-04-19
Skalnate-Pleso	SPC	Slovakia	49.1889N	20.2450E	1772	
Skalstugan	SKA	Sweden	63.5800N	12.2800E	580	
Skaneateles	SKN	New York,U.S.A.	42.9915N	76.4672W	226	From 1974-11-01 to 1975-12-31
Skardu	SKR1	Pakistan	35.3030N	75.6400E	2251	From 2009-09-20
Skarslia	SKAR	Norway	60.6808N	8.3044E	798	From 2013-03-21
Skaug oppvekstsenter	NBB08	Norway	67.3871N	14.6364E	12	From 2013-08-01 to 2016-06-01
Skazka	SKZ	Khanty-Mansi Autonomous Okrug,Russia	61.4833N	72.5500E	91	
Skein Mesa, Paradox Valley	PV18	Colorado,U.S.A.	38.2462N	108.9090W	1999	
Skhour des Rehamma	SRHM	Morocco	32.4710N	7.8980W	745	
Skiathos	SKIA	Greece	39.1665N	23.4661E	325	From 2008-06-25
Skidaway Island, Savannah	257A	Georgia,U.S.A.	31.9746N	81.0261W	9	From 2012-03-16
Skidegate	SKB	British Columbia,Canada	53.2478N	131.9960W	10	From 1982-08-23
Ski Hill Lift	SKLY	New York,U.S.A.	43.9603N	74.1753W		From 1983-10-01 to 1986-10-31
Skikda	SKDA	Algeria	36.7850N	6.8539E	0	
Skilak	SKL	Alaska,U.S.A.	60.5143N	150.2150W	660	From 1971-09-09 to 1984-12-31
Skilak Lake	SLKM	Alaska,U.S.A.	60.5078N	150.2210W	655	From 1984-08-11
Skildingahlshraun	ISKI	Iceland	65.8698N	17.0270W	316	From 2008-11-20
Skiros Island	SKY	Greece	38.8778N	24.5500E	260	From 1997-01-01
Skopelos	VSK	Greece	39.1106N	23.6934E	374	From 1982-10-01
Skopelos Island	SKO1	Greece	39.1233N	23.7287E	10	From 2010-08-01
Skopje	SKO	North Macedonia,North Macedonia	41.9721N	21.4396E	346	From 1957-01-01
Skordalos	SKOR	Crete,Greece	35.4120N	23.9280E	306	
Skoteina, N019	N019M	Greece	40.2049N	22.2378E	701	
Skoteini	S012	Greece	37.7860N	22.4340E	753	
Skrokkalda	ISKR	Iceland	64.5600N	18.3860W	858	From 1996-10-02
Skvira	NE55	Ukraine	49.7160N	29.6560E	235	
Skwentna	SKT	Alaska,U.S.A.	61.9800N	151.5317W	581	From 2006-05-15
Skylar, Fairfield	R45A	Illinois,U.S.A.	38.2926N	88.2812W	143	From 2011-11-13
Skyros	S037	Greece	38.9210N	24.5300E	255	
Skyros Island	SKY1	Greece	38.9045N	24.5646E	78	From 2010-10-01
Slack Wire Ranch, Winifred	C19A	Montana,U.S.A.	47.7343N	109.0489W	966	From 2008-08-22 to 2010-06-04
Slaidburn	AR07	England	53.9960N	2.4590W	233	From 2018-05-03
Slait	SLAT	Sudan	15.8659N	32.6859E	409	From 2003-11-01
Slandsville	SVS	South Carolina,U.S.A.	32.9683N	80.2482W	3	From 1976-03-31
Slate Mountain	ASMM	California,U.S.A.	38.8233N	120.6830W	1214	
Slate Mountain	STM	Nevada,U.S.A.	39.1140N	118.2000W	2020	From 1972-01-13 to 1975-07-31
Slatina	SLATY	Bosnia and Herzegovina	44.8286N	17.2996E	206	From 2018-03-27
Slavetin - Pod lesem	SPLC	Czech Republic	50.5765N	16.0152E	639	From 2022-08-05
Sleeping Mountain	SMN	Nevada,U.S.A.	37.1433N	116.7670W	1341	From 1971-01-01 to 1973-12-31
Sleepy Eye	SE-	Minnesota,U.S.A.	44.4142N	94.6653W	244	From 1962-01-24 to 1963-06-19
Sleepy Eye	SE-MN	Minnesota,U.S.A.	44.4142N	94.6653W	244	From 1962-01-24 to 1963-06-19
Sleepy Hollow	SLH	California	33.1927N	116.2540W	208	From 2014-07-31
Sleman, Yogyakarta, Jawa, Indonesia	SYJI	Indonesia	7.8116S	101.4711E	75	From 2021-12-31
Slenfeh	SLNF	Syria	35.5954N	36.2228E	1520	From 1994-12-01
Slettubjorg	SLET	Iceland	63.9367N	16.6348W	780	From 2018-08-21 to 2020-02-11
Slick	SIO	Oklahoma,U.S.A.	35.7463N	96.3071W	323	From 1978-07-12
Slidell	546A	Louisiana,U.S.A.	30.2330N	89.7191W	0	From 2011-03-16 to 2012-12-12
Slide Mountain	KSMM	California,U.S.A.	40.1858N	124.1750W	991	
Slitere, Latvia	SLIT	Latvia	57.6287N	22.2905E	13	From 2006-10-25
Slobozia Conachi	SLCR	Romania	45.5897N	27.7703E	85	From 2013-09-28
Slope Mountain	O20K	Alaska,U.S.A.	60.0815N	152.6240W	915	From 2015-06-24
Slough House Road	ASRM	California,U.S.A.	38.4977N	121.2048W	52	
Slysaalda	ISLY	Iceland	63.8240N	19.1173W	633	From 2010-12-17
S.Marcello (AN)	AD05	Italy	43.5457N	13.1822E	216	From 2010-03-30
S.Maria delle Mole (Ciampino, Roma)	SAMA	Italy	41.7805N	12.5923E	119	From 2009-06-09
S. M. di Licodia	ESML	Sicily,Italy	37.6180N	14.8770E	360	From 1989-04-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Smeltzer Mountain	SMSC	South Carolina,U.S.A.	34.9308N	82.9710W	498	From 1977-04-19
Smerdyna	PL16A	Poland	50.5924N	21.3555E	220	From 2019-11-26
SMGL	SMGL	Baja California	31.6328N	115.8328W	1069	
Smimou	SOIM	Morocco	31.1690N	9.6170W	900	
Smir	SMRM	Morocco	35.6850N	5.3870W	50	
Smir Dam	SMIR	Morocco	35.6820N	5.3810W	123	
Smith Brothers Farm, Spring Hill	V48A	Tennessee,U.S.A.	35.7400N	86.8219W	278	From 2011-12-11
Smith Canyon Road	ID07	Idaho,U.S.A.	42.5349N	112.0797W	1855	From 2017-09-08 to 2017-10-25
Smithers	SI-	British Columbia,Canada	54.7883N	127.0714W	579	From 1965-10-25 to 1966-10-14
Smithers	SI-BC	British Columbia,Canada	54.7883N	127.0714W	579	From 1965-10-25 to 1966-10-14
Smith Mountain	PSMM	California,U.S.A.	36.0697N	120.5950W	988	From 1975-09-24
Smith Ranch, Marlow	X34A	Oklahoma,U.S.A.	34.6010N	97.8326W	364	From 2009-11-05 to 2011-09-05
Smjorgil	ISMJ	Iceland	63.6759N	19.6578W	211	From 2010-12-17
Smolenice	SMOL	Slovakia	48.5139N	17.4287E	400	From 1987-01-01
Smolnica	BG02A	Bulgaria	43.6287N	27.7090E	235	From 2022-06-17
Smolnik	PL05A	Poland	49.2598N	22.1208E	520	From 2019-12-14
Smothers Creek Ranch, Hallettsville	636A	Texas,U.S.A.	29.4810N	97.0570W	90	From 2010-01-26 to 2011-11-09
Smrekonice	SMRK	Kosovo	42.8730N	20.9378E	634	From 2008-07-06
Smyrna	SYR	Washington,U.S.A.	46.8630N	119.6180W	268	From 1969-03-01
Snabyli	ISNB	Iceland	63.7360N	18.6310W	245	From 1993-02-10
Snake Pit, Albuquerque Seismic Lab	TASL	New Mexico,U.S.A.	34.9454N	106.4565W	1838	From 2012-04-24 to 2012-08-30
Snake Ranch	SRF	New Mexico,U.S.A.	34.2033N	107.0900W	1768	From 1969-01-01 to 1969-06-30
Snap Lake	SNPN	Northwest Territories,Canada	63.5178N	110.9077W	458	
Snartemo	SNART	Norway	58.3387N	7.2097E	160	From 2003-09-01
S.Nazzaro1	SNZ1	Italy	45.0742N	9.8944E	42	
SNI	CSNI	Costa Rica	9.6063N	84.4915W	160	From 2002-04-11 to 2002-10-01
Snider Mountain Ranch	SRNB	New Brunswick,Canada	45.8324N	65.6355W	213	From 2013-09-07
S. Ninfa	T1582	Italy	37.7461N	12.7781E	164	From 2020-09-22 to 2020-11-24
Snively Ranch	SNIWA	Washington,U.S.A.	46.4642N	119.6600W	312	
Snort	SRTC	California,U.S.A.	35.6918N	117.7490W	698	
Snowbank Mountain	SBID	Idaho,U.S.A.	44.4240N	116.3140W	2520	
Snow Cap Mountain	KSCM	Oregon,U.S.A.	42.3440N	124.1650W	1280	
Snow College	SNO	Utah,U.S.A.	39.3143N	111.5380W	2446	
Snowflake	X18A	Arizona,U.S.A.	34.5293N	109.9501W	1751	From 2007-04-12 to 2010-05-28
Snowflake	SF-	Arizona,U.S.A.	34.4386N	110.5144W	1981	From 1961-12-03 to 1962-05-03
Snowflake	SF-AZ	Arizona,U.S.A.	34.4386N	110.5144W	1981	From 1961-12-03 to 1962-05-03
Snow King Mountain	SNOW	Wyoming,U.S.A.	43.4625N	110.7550W	2390	From 1986-01-01
Snowmass	SMCO	Colorado,U.S.A.	39.1776N	106.9739W	3435	
Snow Mountain	GSNM	California,U.S.A.	38.9405N	123.1920W	870	From 1975-06-20
Snowy Mountains Grammar School, Jindabyne	AUSMG	New South Wales,Australia	36.4200S	148.6100E	951	From 2013-03-14
Snyder	130A	Texas,U.S.A.	32.5961N	100.9652W	676	From 2009-03-12 to 2011-02-09
Snyder 07	SN07	Texas,U.S.A.	33.0909N	100.8917W	620	From 2017-09-12
Snyder 1	SN01	Texas,U.S.A.	32.8615N	100.8899W	717	From 2017-03-10
Snyder 2	SN02	Texas,U.S.A.	32.8645N	100.9111W	748	From 2017-03-10
Snyder 3	SN03	Texas,U.S.A.	32.9243N	100.9412W	744	From 2017-03-08
Snyder 4	SN04	Texas,U.S.A.	32.8988N	100.8695W	716	From 2017-03-09
Snyder 5	SN05	Texas,U.S.A.	32.8784N	100.8843W	724	From 2017-03-08
Snyder 6	SN06	Texas,U.S.A.	32.8777N	100.9331W	769	From 2017-03-08
Snyder Ridge, Maysville	Q56A	West Virginia,U.S.A.	39.0410N	79.1871W	430	From 2013-05-23
Soap Creek Ranch, Albany	H03A	Oregon,U.S.A.	44.6765N	123.2923W	214	From 2005-11-10 to 2008-01-24
Soaring Heights, Las Vegas	WTNK	Nevada,U.S.A.	36.1917N	115.0106W	676	From 2003-05-19
Sobolevo	SBLV	Kamchatskaya Oblast'	54.3039N	155.9611E	44	From 2018-11-30
Soboth	SOKA	Austria	46.6780N	15.0327E	1008	From 2007-05-01
Sobradinho	SOB4	Bahia,Brazil	9.3425S	41.4842W	440	From 1979-10-01
Sobradinho	SOB3	Bahia,Brazil	9.7708S	41.2639W	434	From 1979-10-01
Sobradinho	SOB	Bahia,Brazil	9.2888S	41.1694W	416	From 1978-09-27
Sobradinho	SOB2	Bahia,Brazil	9.5684S	40.9611W	490	
Sobradinho	SOB1	Bahia,Brazil	9.2089S	40.8947W	424	From 1980-04-01
Sobral	SBBR	Ceara,Brazil	3.7452S	40.2717W	110	From 2007-01-01
Sobral-CE	NBSB	Ceara	3.6680S	40.4798W	535	From 2021-12-02
Socah, Jawa Timur	BAJI	Jawa	7.0000S	112.7000E	76	From 2019-10-01
Soche	SOCH	Ecuador	0.6490N	77.4923W	2650	From 1994-07-01
Sochi	SOC	Krasnodarskiy Kray,Russia	43.5833N	39.7167E	192	
Socops	SOCV	Venezuela	8.2840N	70.8560W	335	From 2002-08-15
Socorro	SRM	New Mexico,U.S.A.	34.3419N	106.8990W	1522	From 1969-06-25 to 1970-06-30
Socorro	VAO3	Sao Paulo,Brazil	22.5770S	46.4400W	1370	
Socorro	SNM	New Mexico,U.S.A.	34.0702N	106.9440W	1511	From 1962-07-01
Socorro	Y22A	New Mexico,U.S.A.	33.9370N	106.9652W	1674	From 2008-04-09 to 2009-12-22
SOCORRO T	H06S1	Colima,Mexico	18.7347N	110.9575W	35	From 2005-11-29
SOCORRO T-PHASE SITE E1	H06E1	Colima,Mexico	18.7805N	110.9253W	316	From 2005-11-29
SOCORRO T-PHASE SITE N1	H06N1	Colima,Mexico	18.8616N	110.9861W	16	From 2005-11-29
Socotra	SOCY	Yemen	12.1870N	53.9874E	802	From 2009-01-22
Socrates Mine	GSMM	California,U.S.A.	38.7692N	122.7810W	1017	From 1975-07-18
Socs Landing, Pioneer	143A	Louisiana,U.S.A.	32.7032N	91.4036W	30	From 2011-02-18
Soda Butte	YPSB	Wyoming,U.S.A.	44.8840N	110.1510W	2072	
Sodankyla	SDF	Finland	67.4203N	26.3936E	277	From 1984-12-19 to 2000-06-15
Sodankyl	SOD	Finland	67.3712N	26.6291E	181	From 1987-07-28 to 1992-01-13
Sodankyl	SGF	Finland	67.4421N	26.5261E	180	
Sodano, San Giorgio Lucano (MT)	MC51	Italy	40.0762N	16.3881E	380	From 2021-06-22 to 2022-06-16
Soda Springs	JSSM	California,U.S.A.	37.1695N	121.9318W	921	
Soda Springs	K16A	Idaho,U.S.A.	42.8321N	111.5884W	1885	From 2007-07-22 to 2009-05-12
Soda Springs	SOS	California,U.S.A.	37.1695N	121.9318W	921	
Sodus	SONY	New York,U.S.A.	43.1922N	76.9647W	122	
Soe	SOEI	Timor,Indonesia	9.7553S	124.2672E	1047	From 2006-12-11
Soedalen	SOEG	Greenland	68.2033N	31.3770W	101	
Soengei Langka	SLS	Sumatera,Indonesia	5.4000S	105.2170E	240	
Soera, Palade, Hiiumaa island	EE06	Estonia	58.9695N	22.8482E	6	From 2015-11-13
Sofades	SOFA	Greece	39.3377N	22.0969E	110	
Sofala, A0789	M0789	Mozambique	19.0020S	34.2327E	82	
Sofia	SOF	Bulgaria	42.6761N	23.3698E	570	
Sofiko	SOFI	Greece	37.8048N	23.0640E	719	
Sofronea	RO31A	Romania	46.2776N	21.3114E	154	From 2022-11-02
Sogindy	SGDS	Kazakhstan	43.4520N	74.6300E	940	From 2012-09-15
sogukcermik	SCER	Turkey	39.8613N	37.1286E	1428	From 2008-06-26
Sohna	SONA	Delhi,India	28.2451N	77.0629E	218	
SOHO	SOHO	Oman	24.1342N	56.5336E	100	
So. Illinois U.	EDIL	Illinois,U.S.A.	38.7838N	89.9878W	183	
Sokcho	KSSKC	Republic of Korea	38.2899N	128.5219E	56	From 2004-12-24
Sokcho	KSSOC	Republic of Korea	38.2422N	128.5669E	17	From 2000-01-29 to 2004-12-22
Sokhos	SOH	Greece	40.8217N	23.3539E	670	From 1981-01-01
Sokolow	PL11A	Poland	50.2300N	22.1172E	227	From 2019-12-19
Solana Beach	SLBC	California,U.S.A.	33.0010N	117.2690W	38	From 1981-01-01 to 1985-07-31
Solanea	SLBR	Paraiba,Brazil	6.7815S	35.6440W	210	From 2007-01-01
Solania	AR4	Costa Rica	10.3583N	84.9928W	600	
Solarpark Todtenweis	A363A	Germany	48.5230N	10.9333E	537	From 2015-12-01
Solberg Farm, Malta	B20A	Montana,U.S.A.	48.4389N	108.0209W	827	From 2008-09-12 to 2010-07-18
Soldier Meadows	M07A	Nevada,U.S.A.	41.3884N	119.1711W	1400	From 2006-02-17 to 2008-04-15
Soldier's Delight Natural Environment Area	SDMD	Maryland,U.S.A.	39.4102N	76.8403W	212	
Soldiers Grove	J40A	Wisconsin,U.S.A.	43.3965N	90.7406W	353	From 2011-06-17 to 2013-06-06
Soledad Mission	BSMM	California,U.S.A.	36.3833N	121.4280W	939	
Solikamsk	SOKR	Permskiy Kray,Russia	59.5955N	56.7906E	-120	
Solitaire	SOLI	Namibia	23.8612S	16.0395E	1185	
Sollefteaa	SOLU	Sweden	63.2470N	17.2580E	100	From 2000-04-28
Solontsovaya	SOL	Irkutskaya Oblast',Russia	54.1700N	108.3700E	480	From 1979-01-01 to 1988-12-31
Solothurn Schulhaus Brhl	SOLB	Switzerland	47.2068N	7.5171E	430	From 2011-11-21
Solothurn, Zeughausgasse	SOLZ	Switzerland	47.2088N	7.5383E	445	From 2012-01-05
Solovky	SLVR	Arkhangel'skaya Oblast',Russia	65.0280N	35.7017E	15	From 2007-10-26
Solt	PKS3	Hungary	46.7869N	19.0663E	104	
Solunto	SOLUN	Sicily,Italy	38.0920N	13.5330E	190	From 2004-05-12
Solvholt	ISOL	Iceland	63.9290N	20.9440W	30	From 1990-02-20
Soma-Manisa	SOMA	Turkey	39.1564N	27.5341E	243	From 2018-05-03
Sombrero	SOM	Magallanes,Chile	52.7808S	69.2422W	73	From 1964-12-22
Sombrero	SWIP	Anguilla	18.5980N	63.4263W	15	
Somerset	SMC	Colorado,U.S.A.	38.9333N	107.4580W	1905	From 1969-07-01
Somerset East	SOE	Cape Province,South Africa	32.7117S	25.5617E	820	
Somes Island	SOMS	North Island,New Zealand	41.2575S	174.8650E	48	From 2012-10-31
Somma	SMAR	Kamchatskaya Oblast',Russia	53.2631N	158.8011E	1950	
Sommati	MZ09	Italy	42.6422N	13.3070E	990	From 2016-09-20 to 2016-10-26
Somme Creek	M29M	Yukon Territory,Canada	62.4435N	138.4624W	1297	From 2016-07-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Somoto	SOMN	Nicaragua	13.4203N	86.6138W	1200	
Somplago	SMP	Italy	46.3400N	13.0583E		
Sondre	SFJ	Greenland	66.9967N	50.6152W	365	
Sonepat	SNP	Uttar Pradesh,India	28.9833N	77.0000E	220	
Songea	SONE	Tanzania,United Republic of Tanzania	10.6738S	35.6507E	1130	
Songea	NGEA	Tanzania	10.6754S	35.6744E	1200	From 2014-07-12 to 2015-11-04
Songino Array Beam Reference Point	SONM	Mongolia	47.8347N	106.3950E	1415	
Songino Array Site A0	SONA0	Mongolia	47.8347N	106.3950E	1415	
Songino Array Site A1	SONA1	Mongolia	47.8468N	106.4032E	1511	
Songino Array Site A2	SONA2	Mongolia	47.8507N	106.3986E	1508	
Songino Array Site A3	SONA3	Mongolia	47.8484N	106.4098E	1563	
Songino Array Site A4	SONA4	Mongolia	47.8400N	106.4043E	1461	
Songino Array Site B1	SONB1	Mongolia	47.8630N	106.4039E	1603	
Songino Array Site B3	SONB3	Mongolia	47.8341N	106.4147E	1537	
Songino Array Site B4	SONB4	Mongolia	47.8339N	106.3604E	1402	
Songino Array Site B5	SONB5	Mongolia	47.8539N	106.3694E	1417	
Songino Ar. Site	SONB2	Mongolia	47.8487N	106.4231E	1582	
SONGINO INFRASONIC ARRAY REFERENCE POINT	SONM	Mongolia	47.8017N	106.4101E	1245	From 2008-01-14
Songkhla	SKLT	Thailand	7.1700N	100.6200E	14	From 2008-01-01
Songkhla	SNG	Thailand	7.1770N	100.6170E	4	From 1965-10-01
Songo	SONG	Mozambique	15.6033S	32.7783E	900	From 1985-11-01 to 2003-08-15
Songwoldong	KSSOD	Republic of Korea	37.5714N	126.9662E	68	From 2007-12-12
Son La	BMV	Vietnam	21.4542N	103.8533E	380	From 2009-01-01 to 2012-12-31
Son La	SLVN	Vietnam	21.3338N	103.9050E	700	
Sonnblick Observatory	SOSA	Austria	47.0538N	12.9572E	3090	From 2019-08-28
Sonneberg	SON	Thuringen,Germany	50.3782N	11.1925E	634	
Sonnenstein	SONN	Thuringen	51.5323N	10.4260E	228	From 2019-07-30
Sonora	SOKY	Kentucky,U.S.A.	37.5260N	85.9650W	204	From 1985-01-01
Sonora	431A	Texas,U.S.A.	30.6824N	100.6079W	700	From 2009-02-14 to 2011-01-23
Sonora Basin	SBCZ	South Island,New Zealand	45.0906S	169.3113E	801	From 1987-01-31 to 1996-04-27
Sonoran Desert, Stanfield	115A	Arizona,U.S.A.	32.7006N	112.2279W	606	From 2006-03-21 to 2008-12-04
Sonora, SON	CSON	Mexico	32.2917N	115.1638W	10	
Sonqor, Kermanshah	SNQR	Iran	34.8578N	47.6280E	2502	From 2018-04-18
Sonseca Array BB	ESBB	Spain	39.6755N	3.9617W	724	
Sonseca Array Beam Reference Point	ESDC	Spain	39.6743N	3.9631W	753	
SONSECA Array Site 01	ES01	Spain	39.6703N	3.9475W	743	
SONSECA Array Site 02	ES02	Spain	39.6771N	3.9355W	734	
SONSECA Array Site 03	ES03	Spain	39.6663N	3.9334W	732	
SONSECA Array Site 04	ES04	Spain	39.6557N	3.9423W	740	
SONSECA Array Site 05	ES05	Spain	39.6624N	3.9590W	763	
SONSECA Array Site 06	ES06	Spain	39.6757N	3.9521W	745	
SONSECA Array Site 07	ES07	Spain	39.6873N	3.9519W	734	
SONSECA Array Site 08	ES08	Spain	39.6923N	3.9251W	721	
SONSECA Array Site 09	ES09	Spain	39.6781N	3.8996W	753	
SONSECA Array Site 10	ES10	Spain	39.6580N	3.9026W	758	
SONSECA Array Site 11	ES11	Spain	39.6487N	3.9200W	758	
SONSECA Array Site 12	ES12	Spain	39.6387N	3.9429W	761	
SONSECA Array Site 13	ES13	Spain	39.6501N	3.9660W	762	
SONSECA Array Site 14	ES14	Spain	39.6518N	3.9885W	779	
SONSECA Array Site 15	ES15	Spain	39.6642N	4.0004W	776	
SONSECA Array Site 16	ES16	Spain	39.6868N	3.9943W	775	
SONSECA Array Site 17	ES17	Spain	39.7004N	3.9728W	766	
SONSECA Array Site 18	ES18	Spain	39.7102N	3.9493W	750	
SONSECA Array Site 19	ES19	Spain	39.7006N	3.8991W	720	
Sonseca Array Site A	ESLA	Spain	39.6743N	3.9631W	752	From 1989-07-31
Sonseca Array Site B	ESLB	Spain	39.8415N	4.0172W	612	From 1991-06-01
Sonseca Array Site C	ESLC	Spain	39.7950N	3.8133W	687	
Sonseca Array Site D	ESLD	Spain	39.6099N	3.7843W	807	From 1991-06-01
Sonseca Array Site E	ESLE	Spain	39.5072N	3.9734W	801	From 1991-06-01
Sonseca Array Site F	ESLF	Spain	39.5957N	4.1701W	911	From 1991-06-01
Sonseca Array Site G	ESLG	Spain	39.7446N	4.1950W	830	From 1991-06-01
Sontecomapan	PMUV	Veracruz	18.5448N	95.1225W	783	
Sonzapote	SONZ	Costa Rica	11.1152N	85.6073W	148	From 2004-01-01
Sooke	SOKB	British Columbia,Canada	48.3947N	123.6731W	45	From 2008-03-17
Sooner Cattle Company, Foraker	T35B	Oklahoma,U.S.A.	36.9162N	96.5119W	413	From 2014-02-19
Sooner Cattle Company, Foraker	T35A	Oklahoma,U.S.A.	36.9161N	96.5121W	401	From 2010-05-06 to 2012-03-06
Sopachiv	RNPP9	Ukraine	51.4120N	25.8905E	165	
Sop, Niakhar	SOK	Senegal	14.4956N	16.4533W	54	From 2019-02-10
Sopron	SOP	Hungary	47.6833N	16.5583E	260	
SORA	SORA	Italia	41.7154N	13.6061E	338	From 2017-08-04
Sording	SRDN	Orissa	21.8750N	85.7789E	374	From 2017-04-24
Sorel	SO-	Quebec,Canada	45.7550N	72.2550W	152	From 1962-07-06 to 1962-07-17
Sorel	SO-QB	Quebec,Canada	45.7550N	72.2550W	152	From 1962-07-06 to 1962-07-17
S.Oreste - Soratte	SRES	Italy	42.2371N	12.5101E	410	From 2013-05-22
Sornfelli, Faroe Islands	SOFL	Faeroe Islands	62.0689N	6.9658W	721	From 2007-11-01
Soroa	SOR	Cuba	22.7917N	83.0078W	206	
Soroako, Sulawesi	SKSI	Sulawesi,Indonesia	2.5283S	121.3350E	602	From 2008-01-01
Soroca	SORM	Moldova	48.1349N	28.3513E	98	From 2007-09-28
Sorokina	SRKR	Kamchatskaya Oblast',Russia	56.6540N	161.1680E	849	From 2005-09-19
Sorong	SWI	Irian Jaya,Indonesia	0.8630S	131.2598E	0	
Sorong	SIJI	Irian Jaya,Indonesia	0.8691S	131.2661E	193	From 2010-03-29
Soroni, Rhodes Isl.	RSO1	Greece	36.3632N	28.0015E	12	From 2012-08-01
Sorpetalsperre	SORT	Nordrhein-Westfalen,Germany	51.3497N	7.9714E	280	From 1999-01-01
Sorrento (NA), Italy	SORR	Italy	40.5826N	14.3357E	537	From 2022-01-01
Sorrento Valley	CPE1	California	32.8800N	117.1000W	178	
Sort	CSOR	Spain	42.3756N	1.1339E	1227	
Sortino	SSY	Sicily,Italy	37.1539N	15.0719E	540	
Sortland	N2SO	Norway	68.7138N	15.4380E	1	From 2013-08-01 to 2016-05-30
Sørvgen	N2SV	Norway	67.8913N	13.0098E	21	From 2013-08-01 to 2016-05-30
Sosa, Sumatera Utara	PLSM	Indonesia	1.5400N	99.6462E	88	From 2019-01-01
Sos del Rey Catolico	YSOS	Spain	42.4554N	1.1470W	881	From 2010-05-01
Sos Enattos	SENA	Sardinia	40.4444N	9.4566E	227	From 2019-10-18
Sospel	SBF	Provence-Cote d'Azur,France	43.8631N	7.4352E	847	From 1985-06-01
Sosua Marina Base	SODR	Dominican Republic	19.7525N	70.5763W	16	From 2014-05-29
Sotra	SOTS	Norway	60.3500N	5.1100E	30	From 2002-01-01
SOUB	SOUB	Nevada	36.9149N	115.9912W	1267	From 2018-03-12
Souberoche	SOU	Rhone-Alpes,France	44.6614N	5.6903E	960	
SOUC	SOUC	Nevada	36.9040N	115.9893W	1222	From 2018-04-04
Souda	CHNB	Crete	35.4870N	24.0662E	0	
Souda Bay, Chania, Crete Is.	SOUD	Crete	35.4878N	24.0678E	5	From 2016-12-01
Soufli	SFL1	Greece	41.1899N	26.3042E	21	From 2011-10-01
Soufriere	PSDMA	Dominica	15.2350N	61.3570W	60	
Soufriere Village	DSVT	Dominica	15.2290N	61.3700W	5	
Soufriere Volcano	SVV	St Vincent,Saint Vincent and the Grenadines	13.3180N	61.2160W	243	From 1978-09-24
soultz borehole - etangs GEIE	SZBH	Alsace	48.9326N	7.8631E	-46	From 2015-03-26
Souni	SZAC	Cyprus	34.7550N	32.8820E	512	From 1998-11-16 to 2017-07-12
Source of Smith Creek	SOSW	Washington,U.S.A.	46.2440N	122.1370W	1270	
Sourdough	SDG	Alaska,U.S.A.	62.5270N	145.5430W	625	From 1986-01-01
Sourhope Farm	XSO	Scotland,United Kingdom	55.4925N	2.2511W	495	From 1983-10-19
South Baldy	SBM	New Mexico,U.S.A.	33.9752N	107.1810W	3230	
South Bangong	ST17A	Xizang Zizhiqu,China	31.9516N	89.3099E	4595	From 1998-07-24 to 1998-08-11
South Bangong Suture	ST21	Xizang Zizhiqu,China	32.2289N	89.1337E	4655	From 1998-07-24 to 1999-05-29
South Base Booster	BOOC	California,U.S.A.	34.8680N	117.9103W	704	
South Boqe	ST03	Xizang Zizhiqu,China	30.8469N	90.1919E	4796	From 1998-07-17 to 1998-08-19
Southbridge School	SBRC	South Island	43.8087S	172.2524E	24	From 2004-12-02
South Creake	SCK	England,United Kingdom	52.8797N	0.7506E	61	
South Dennis	COD	Massachusetts,U.S.A.	41.6858N	70.1350W	-85	
South Deqen	ST00	Xizang Zizhiqu,China	30.5258N	90.1027E	4810	From 1998-07-17 to 1999-04-06
South Doima	ST26A	Xizang Zizhiqu,China	32.6977N	88.8670E	4833	From 1998-07-25 to 1999-06-05
Southeast Heping	ST23	Xizang Zizhiqu,China	32.4226N	89.1076E	4727	From 1998-07-24 to 1999-06-05
SOUTHEAST OF BOCA DE BIGOA	EC18	Ecuador	0.2141S	80.1776W	242	From 2016-05-15
Southeast of Toyah	TPB10	Texas	31.2836N	103.7546W	858	From 2018-10-17
South End of Cholame Valley, Shandon	THIS	California,U.S.A.	35.7240N	120.2284W	643	From 2012-05-07
South Entrance	YPSE	Wyoming,U.S.A.	44.1363N	110.6667W	2073	
Southern Antelope Island	SAIU	Utah,U.S.A.	40.8548N	112.1810W	1384	From 1990-05-10
Southern Antelope Island	AIUT	Utah,U.S.A.	40.8558N	112.1750W	1334	From 1983-04-01 to 1990-05-09
Southern Cross	STHX	Western Australia	31.2305S	119.3263E	350	From 2020-10-15
Southern Illinois University	SIUC	Illinois,U.S.A.	37.7149N	89.2176W	137	From 1984-01-01
Southern Oregon Univeristy DOGAMI SMO	SOUA	Oregon,U.S.A.	42.1836N	122.6963W	634	From 2005-04-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
South Fork, S13	SCR13	Colorado	37.6701N	106.6530W	2511	
South Grapevine Mountains	SGV	California,U.S.A.	36.9806N	117.0327W	1571	From 1978-11-28 to 2002-10-10
South Haven SW Station	KAN13	Kansas,U.S.A.	37.0129N	97.4778W	340	From 2014-05-09
South Heping	ST24	Xizang Zizhiqu,China	32.4800N	88.9841E	4905	From 1998-07-10 to 1999-06-05
South Ingalls	SIG	Colorado,U.S.A.	39.6878N	105.0650W		
South Jangngalda	ST33	Xizang Zizhiqu,China	33.3274N	88.8316E	5032	From 1998-07-10 to 1999-06-04
South Kanaga	AD6	Alaska,U.S.A.	51.7083N	177.2420W	137	From 1974-01-01 to 1992-02-01
South Karori	SNZO	North Island,New Zealand	41.3103S	174.7050E	-10	From 1975-12-01
South Lassen	LSLM	California,U.S.A.	40.4337N	121.5360W	1060	From 1976-11-12
South Mountain	SMW	Washington,U.S.A.	47.3195N	123.3420W	840	From 1975-03-24
South Mountain	SMNC	North Carolina,U.S.A.	35.5835N	81.6360W	722	
South Mountain, Millburn	N61A	New Jersey,U.S.A.	40.7519N	74.2969W	108	From 2013-09-05
South Ngauruhoe	SNVZ	North Island	39.1862S	175.6403E	1604	From 2015-03-27
SOUTH OF ESTERO SECO	EC17	Ecuador	0.0268S	79.8477W	399	From 2016-05-15
SOUTH OF LIMONES	EC07	Ecuador	0.1848S	79.5458W	167	From 2016-05-14
SOUTH OF MONTECRISTI	EC20	Ecuador	1.2737S	80.4322W	151	From 2016-05-16
South of Nakchu	SANG2	Xizang Zizhiqu,China	31.0216N	91.7003E	4715	From 1998-08-01 to 1998-10-06
SOUTH OF SALIMA	EC13	Ecuador	0.3079N	79.9486W	36	From 2016-05-12
SOUTH OF TABIAZO	EC14	Ecuador	0.7808N	79.6977W	64	From 2016-05-13
South Palgon	ST09	Xizang Zizhiqu,China	31.4212N	90.0044E	4745	From 1997-07-19 to 1999-06-02
South Pangkog	ST14	Xizang Zizhiqu,China	31.7702N	89.7083E	4607	From 1998-07-20 to 1999-05-31
South Point	SPT	Hawaii,U.S.A.	18.9823N	155.6707W	250	From 1971-03-10
South Pole	SPA	Antarctica	89.9954S	115.0000E	2927	From 1957-01-01 to 2005-03-26
South Pole Quiet Zone Earth Science Obs.	QSPA	Antarctica	89.9279S	145.0000E	2657	
South Promontory Point	SPUT	Utah,U.S.A.	41.3086N	112.4492W	1634	
South Ridge	SGE	Fiji	17.5892S	177.9230E	1021	
South Ridge	HSR	Washington,U.S.A.	46.1728N	122.1830W	1774	
South Serting	ST15A	Xizang Zizhiqu,China	31.8502N	89.5766E	4574	From 1998-07-25 to 1998-09-04
South Tanaga	AK2	Alaska,U.S.A.	51.6633N	177.9300W	99	From 1976-10-01 to 1992-02-01
South Tanaga	AT2	Alaska,U.S.A.	51.6633N	177.9300W	99	From 1975-01-01 to 1976-10-31
South Thanglha	ST32	Xizang Zizhiqu,China	33.2424N	88.8352E	4927	From 1997-07-13 to 1999-06-03
Southwest Bangong	ST18	Xizang Zizhiqu,China	31.9647N	89.2691E	4619	From 1998-07-24 to 1999-05-30
Southwest Bay	SWB	Vanuatu	16.5087S	167.4200E		
Southwest Doima	ST26	Xizang Zizhiqu,China	32.6611N	88.9156E	4849	From 1998-07-11 to 1998-08-19
Southwest Flank Mount Saint Helens	SWFL	Washington,U.S.A.	46.1887N	122.2020W	2268	From 2006-10-10
Southwest Flank, Mt. St. Helens	SWF2	Washington,U.S.A.	46.1784N	122.2168W	1548	From 2013-08-29
Southwest Heping	ST23A	Xizang Zizhiqu,China	32.4714N	89.0496E	4861	From 1998-07-26 to 1999-06-05
Southwest of Coyonosa	TPB15	Texas	31.2114N	103.0844W	825	From 2019-06-28
SOUTHWEST OF TABUGA	EC16	Ecuador	0.1086S	80.1950W	93	From 2016-05-14
Southwest of Toyah	TPB12	Texas	31.2132N	103.9577W	961	From 2019-03-13
Southwest Rift	SWH	Hawaii,U.S.A.	19.4543N	155.6050W	4048	
South Whidbey SD ANSS-SMO	SWID	Washington,U.S.A.	48.0084N	122.4129W	62	From 2001-07-23
Sowa	SOOWA	Botswana	20.5628S	26.2178E	941	
Sox	SOKH	Uzbekistan	39.9730N	71.1360E	1142	
Soyaes	JSE	Soya,Japan	44.9588N	142.5842E	10	
SPA	SPAC	Baja California	31.5557N	115.9417W	1051	
Spahl	SPAHL	Thuringen	50.6526N	9.9099E	441	From 2016-04-01
Spaichingen-Kochelsberg	SPAK	Baden-Wurttemberg,Germany	48.1023N	8.7858E	990	From 1997-01-01 to 2011-12-31
Spangler Hills	WSHM	California,U.S.A.	35.5996N	117.4926W	764	
Spanish Creek, Manchester, California, USA	SPAN	California	38.9760N	123.6569W	185	From 2022-06-01
Sparrevohn	SVW2	Alaska,U.S.A.	61.0973N	155.5809W	498	
Sparrevohn	SVW	Alaska,U.S.A.	61.1082N	155.6220W	762	From 1967-08-01 to 2004-10-14
Sparta	SR-	Oregon,U.S.A.	44.9403N	117.4278W	1341	From 1963-03-19 to 1963-06-03
Sparta	SR-OR	Oregon,U.S.A.	44.9403N	117.4278W	1341	From 1963-03-19 to 1963-06-03
Sparta	Z54A	Georgia,U.S.A.	33.2362N	82.8417W	134	From 2012-04-12
Speccheri	DSPE	Italia	45.7651N	11.1332E	738	From 2020-08-07
Spellman Lake, Hanley Falls	H34A	Minnesota,U.S.A.	44.6673N	95.7770W	329	From 2010-07-24 to 2012-06-06
Spence Gulch, Sunbeam	N20A	Colorado,U.S.A.	40.8338N	108.2626W	2192	From 2007-11-13 to 2010-06-10
Spence Mountain	VSP	Oregon,U.S.A.	42.3417N	121.9500W	1539	
Spencer City Hall	OK008	Oklahoma,U.S.A.	35.5071N	97.3838W	368	
Spencer Herefords Ranch, Brewster	L30A	Nebraska,U.S.A.	41.9492N	99.7196W	782	From 2009-09-07 to 2011-04-09
Speyside	TOSP	Trinidad and Tobago	11.2984N	60.5353W	10	From 2007-05-09
Spezzano della Sila	SPS2	Italy	39.2941N	16.3379E	685	From 2014-12-30
S.Piero in Campo Elba	CELB	Italy	42.7466N	10.2107E	741	From 2011-06-03
Spijk (Roodeschool)	SPY3	Netherlands	53.4098N	6.7838E	-89	From 2010-07-08
Spijk (Roodeschool)	SPY4	Netherlands	53.4098N	6.7838E	-119	From 2010-07-08
Spijk (Roodeschool)	SPY1	Netherlands	53.4098N	6.7838E	-29	From 2010-07-08
Spijk (Roodeschool)	SPY2	Netherlands	53.4098N	6.7838E	-59	From 2010-07-08
Spilker Farm, Colbert	C10A	Washington,U.S.A.	47.8192N	117.3077W	684	From 2006-09-06 to 2008-06-11
Spine 5 MSH Spider	SPN5	Washington,U.S.A.	46.1947N	122.1884W	2263	From 2007-06-18
Spinea	SPINE	Italy	45.4943N	2.1594E	6	From 1901-01-01 to 1911-12-31
Spinello di Santa Sofia (FC)	T0501	Italy	43.9472N	12.0102E	667	From 2011-05-25 to 2011-09-29
Spineto	SPNT	Italy	39.1568N	16.5266E	1280	From 2018-03-14
Spinney Mt Res., N19	NCR19	Colorado	39.0026N	105.5599W	2702	
Spinoso	SPIE	Italy	40.2271N	15.9887E	1200	
Spiridon Lake	SPL	Alaska,U.S.A.	57.7592N	153.7710W	600	From 1975-10-01
Spitak	SPIZ	Armenia	40.8250N	44.2700E	1590	
Spitak	SPZA	Armenia	40.8317N	44.2617E	1600	
Spitsbergen Array Beam Reference Point	SPITS	Svalbard,Norway	78.1777N	16.3700E	323	
Spitsbergen Array Site A0	SPA0	Svalbard,Norway	78.1777N	16.3700E	323	From 1992-11-01
Spitsbergen Array Site A1	SPA1	Svalbard,Norway	78.1797N	16.3755E	320	
Spitsbergen Array Site A2	SPA2	Svalbard,Norway	78.1759N	16.3766E	250	
Spitsbergen Array Site A3	SPA3	Svalbard,Norway	78.1773N	16.3588E	339	
Spitsbergen Array Site B1	SPB1	Svalbard,Norway	78.1796N	16.3906E	301	
Spitsbergen Array Site B2	SPB2	Svalbard,Norway	78.1742N	16.3846E	200	From 1992-11-01
Spitsbergen Array Site B3	SPB3	Svalbard,Norway	78.1737N	16.3584E	234	
Spitsbergen Array Site B4	SPB4	Svalbard,Norway	78.1789N	16.3482E	340	
Spitsbergen Array Site B5	SPB5	Svalbard,Norway	78.1823N	16.3683E	295	
Split Crater	SPCI	Idaho,U.S.A.	43.4500N	112.6370W	1520	From 1992-01-01
Split Rock	SPRM	New South Wales,Australia	30.5748S	150.6877E	456	
Spokane	SPO	Washington,U.S.A.	47.7300N	117.3420W	713	From 1909-01-01 to 1969-12-31
Spokane Avenue Albany	C008	California,U.S.A.	37.8957N	122.2936W	4	From 2009-05-01
Spokane Nat. Inst. Occ. Safety SMO	SNIO	Washington,U.S.A.	47.6794N	117.4050W	584	
Spokane Schools, Ferris High School ANSS-SMO	SFER	Washington,U.S.A.	47.6194N	117.3665W	715	From 2001-08-09
Spokane Temp K2 (Swanson)	SHLY	Washington,U.S.A.	47.7084N	117.4160W	626	From 2001-11-18
SPOLETO	SPO1	Italy	42.7344N	12.7363E	428	From 2013-12-03
Spotswood, Melbourne	MLBS	Victoria,Australia	37.8291S	144.8944E	8	From 2013-02-25
Spotsylvania Fire Department	SPFD	Virginia,U.S.A.	38.1353N	77.5211W	79	
Spotted Range	SPRG	Nevada,U.S.A.	36.6938N	115.8093W	1240	From 1979-05-28 to 2002-10-10
Springbok	SBO	Cape Province,South Africa	29.6698S	17.8789E	1055	From 1993-11-01 to 2004-05-01
Spring Butte	VSBM	Oregon,U.S.A.	43.5237N	121.3470W	1664	
Spring Creek 3	SPR3	Nevada,U.S.A.	38.9989N	114.3314W	2815	From 2014-06-25
Spring Creek Lake, Blk. Kettle Nat Grslnd	V31A	Oklahoma,U.S.A.	35.7739N	99.8425W	687	From 2009-04-08 to 2011-02-15
Springerville	SV-AZ	Arizona,U.S.A.	34.1756N	109.1469W	2134	From 1961-11-25 to 1962-05-03
Springerville	SV-	Arizona,U.S.A.	34.1756N	109.1469W	2134	From 1961-11-25 to 1962-05-03
Springfield	SPFS	South Island	43.3396S	171.9288E	396	
Springfield	SGN	Nebraska,U.S.A.	41.0658N	96.2188W	347	From 1979-11-06 to 1981-09-01
Springfield	S49A	Kentucky,U.S.A.	37.7849N	85.2875W	230	From 2012-06-08
Springfield Volunteer Fire Station	SPRS	South Island,New Zealand	43.3368S	171.9301E	414	From 2011-12-13
Springhill	SHIN	Indiana,U.S.A.	39.4278N	87.4083W	168	
Spring Hill	RCET	Tennessee	36.0070N	89.1315W	78	From 1990-05-18
Spring Hill	SHA	Alabama,U.S.A.	30.6944N	88.1428W	61	From 1910-12-01
Spring Hill	FPTT	Tennessee	35.9787N	89.1207W	107	From 1989-12-02
Spring Road, Mineral	SPRD	Virginia,U.S.A.	38.0234N	77.8799W	110	
Springs Junction Fire Station	SJFS	South Island,New Zealand	42.3346S	172.1803E	432	From 2004-03-18
Springvale	WSDZ	North Island,New Zealand	39.9153S	174.9687E	100	From 1982-10-15 to 1982-10-24
Spring Valley Wildlife Area	SVWO	Ohio	39.5846N	84.0028W	258	From 2021-07-01 to 2500-12-31
Springville	O16A	Utah,U.S.A.	40.2067N	111.5024W	1789	From 2007-06-27 to 2009-04-09
Springville	U46A	Tennessee,U.S.A.	36.3590N	88.1773W	146	From 2011-11-20
Springville 2	SPG2	California,U.S.A.	36.2006N	118.7662W	625	
Sproul Creek	SPRL	California	40.0225N	123.8495W	442	From 2022-07-29
Spulber	SPBR	Romania	45.7492N	26.7505E	566	From 2018-02-16
Spur Ranch, Miami	V30A	Texas,U.S.A.	35.7623N	100.6892W	931	From 2009-04-03 to 2011-02-16
Spurr Blockage Glacier	SPBG	Alaska,U.S.A.	61.2597N	152.3699W	1087	
Spurr Capps Glacier	SPCG	Alaska,U.S.A.	61.2919N	152.0205W	1329	
Spurr Chakachatna River	SPCR	Alaska,U.S.A.	61.2003N	152.2091W	984	From 2005-11-01
Spurr Northwest	SPNW	Alaska,U.S.A.	61.3471N	152.6039W	1040	
Spurr West	SPWE	Alaska,U.S.A.	61.2740N	152.5568W	1233	
Spur Tree	SPJ	Jamaica	17.9959N	77.5596W	751	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Squaw Creek	SQK	California,U.S.A.	38.8234N	122.8101W	639	
Squaw Harbor	SQF	Alaska,U.S.A.	55.2200N	160.5620W	360	
Squaw Lake	F24K	Alaska,U.S.A.	67.5187N	147.8871W	736	From 2016-06-30
Squaw Peak	SQU	Utah,U.S.A.	40.2817N	111.6110W	2353	From 1974-09-01 to 1980-07-31
Squaw Tit	TIT	California,U.S.A.	41.0733N	123.9800W	700	
SQUILLACE	SQL	Italy	38.7799N	16.5162E	535	From 2007-01-01
SR410 Landslide	SR41	Washington,U.S.A.	46.8867N	121.5366W	1454	From 2015-07-09
Srakaew	SRAK	Thailand	14.0120N	102.0425E	96	
Srbac	A052A	Bosnia and Herzegovina	45.1026N	17.5139E	139	
SRDT	SRDT	Thailand	14.3495N	99.1212E	122	From 2008-10-22
Sredinnyy	SRDR	Kamchatskaya Oblast',Russia	56.3170N	159.7170E	800	
Sredneye Shipitsyno	SHIP	Arkangel'skaya Oblast'	61.6171N	45.9044E	68	From 2019-08-19
Sredniy Kalar	SRK	Chitinskaya Oblast',Russia	55.8690N	117.3750E	716	
SRI GANGA NAGAR	SRGN	Rajasthan	29.9220N	73.8860E	187	From 2017-11-27
Srikalahasti	SKHT	Andhra Pradesh,India	13.7408N	79.7095E	74	From 2008-12-26
Srinagar	SRNI	Jammu and Kashmir,India	34.0506N	74.8046E	1601	
SRINAGAR	SRIN	Jammu and Kashmir	34.0600N	74.5100E	1587	From 1982-04-30
Sriramsagar	SRSP	Andhra Pradesh,India	18.9283N	78.3433E	315	From 2008-10-23
Srisailam	SRLM	Andhra Pradesh,India	16.1000N	78.8917E	480	From 2008-10-16
Srobarova	SRO	Slovakia	47.8133N	18.3133E	150	
SS1	SSX	Nevada,U.S.A.	37.2282N	116.2900W	2248	From 1965-01-01 to 1970-12-31
SSKAK	SSKAK	Saudi Arabia	29.7540N	40.4945E	100	
S. Stefano d'Aspromonte - Gambarie	GMB1	Italy	38.1723N	15.8179E	1198	From 2021-10-20
S.Stefano Medio (ME)	FX11	Italy	38.1019N	15.4868E	19	From 2021-12-22 to 2023-04-17
ST1	ST1N	Namibia	19.7377S	14.6122E	1059	
ST10	ST10N	Namibia	19.9967S	14.3870E	887	
ST11	ST11N	Namibia	19.6550S	14.8437E	1200	
ST2	ST2N	Namibia	19.9288S	14.5967E	998	
ST3	ST3N	Namibia	19.7425S	14.4977E	1094	
ST4	ST4N	Namibia	19.8927S	14.9733E	1017	
ST5	ST5N	Namibia	19.7915S	14.7568E	1070	
ST6	ST6N	Namibia	19.8020S	14.3980E	1104	
ST8	ST8N	Namibia	19.6907S	14.3162E	1012	
ST9	ST9N	Namibia	19.7997S	14.5447E	1001	
Stadel, Weggabelung Kl. Forstamt, Aemperg, ZH	QEG01	Switzerland	47.5555N	8.4667E	468	From 2016-10-13
Stadlberg, Tirol	A034A	Austria	46.9091N	13.0787E	1050	From 2015-09-07
Stafford Cattle Company, Roaring Springs	Y30A	Texas,U.S.A.	33.8766N	100.8978W	812	From 2009-03-11 to 2011-02-13
Staff village, 3527	M3527	South Africa	22.6903S	31.0143E	501	
STAIM	STAIM	Saudi Arabia	27.1678N	38.8298E	100	
St Albans Christchurch	STAS	South Island,New Zealand	43.5136S	172.6411E	47	From 2012-05-22
STALIGIAL	STAL	Italy	46.2601N	12.7104E	625	From 2010-05-25
Stalkov	STAC	Czech Republic	49.0295N	15.2996E	620	
Stanardsville	R57A	Virginia,U.S.A.	38.2970N	78.5232W	230	From 2013-04-25
Standing Stone	SSPA	Pennsylvania,U.S.A.	40.6358N	77.8876W	270	From 1993-07-05
St-Andre-du-Lac-St-Jean	SANQ	Quebec,Canada	48.3200N	71.9900W	296	From 1984-11-25
St Andrews College Christchurch	SAGC	South Island,New Zealand	43.5067S	172.6162E	47	From 2013-03-13
Stanford	JSFM	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford	STAN	California,U.S.A.	37.4039N	122.1751W	125	From 1991-04-15 to 1994-06-30
Stanford	LT4	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford Telescope	SFT	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford Telescope, Santa Clara County	JSFB	California,U.S.A.	37.4037N	122.1760W	118	From 2000-12-12
Stanfors	ODEU	Sweden	64.4085N	20.7162E	212	
Stanga	SGAS	Sweden	57.3040N	18.4730E	43	From 1980-01-01 to 1991-12-31
Stanley	STID	Idaho,U.S.A.	44.1148N	114.8660W	1993	From 1992-12-01
St Anne's School, Harvey	AUHAR	West Australia,Australia	33.0900S	115.8900E	39	From 2014-04-09
Stansbury Island	SBU	Utah,U.S.A.	40.8218N	112.4670W	1317	From 1974-07-01 to 1976-10-31
Stansbury Island BLM, Grantsville	N15A	Utah,U.S.A.	40.8903N	112.5201W	1408	From 2007-02-18 to 2009-04-04
Stansbury North	SNUT	Utah,U.S.A.	40.8857N	112.5090W	1652	
Stansbury North	SNU	Utah,U.S.A.	40.9238N	112.5100W	1378	From 1978-05-01 to 1986-09-30
Stans, Spital NW	SSTS	Switzerland	46.9610N	8.3568E	444	From 2014-03-13
Star City	STAR	Arkansas,U.S.A.	33.8920N	91.7780W	107	From 1981-02-08
Stare Sedliste	A071A	Czech Republic	49.7419N	12.6911E	502	From 2015-10-27
Starunia	STNU	Carpathian Mountains	48.7106N	24.5014E	391	From 2007-08-30
Star Valley	STI	Idaho,U.S.A.	42.8022N	111.0508W	2149	From 1976-12-01 to 1979-09-30
Staryi Chortoryisik	RNPP5	Ukraine	51.2291N	25.8855E	188	
Stasimo	S005	Greece	37.4000N	21.9190E	703	
State Center	SCIA	Iowa,U.S.A.	41.9069N	93.2153W	311	From 2006-06-02
State College	SCP	Pennsylvania,U.S.A.	40.7950N	77.8650W	352	From 1966-10-20
State College	SCP1	Pennsylvania,U.S.A.	40.8099N	77.8694W	353	
State Game Land 141, Hazleton	N59A	Pennsylvania,U.S.A.	40.9168N	75.7703W	508	From 2010-11-08
State Highway 12, Trinidad	MHTCO	Colorado,U.S.A.	37.1280N	104.6910W	1978	
Stateville	455A	Georgia,U.S.A.	30.7422N	83.0260W	44	From 2012-02-11
Statfjord A Platform	STF	Norway	61.2560N	1.8170E	-148	
Station 2	STX	Nevada,U.S.A.	37.1940N	116.1610W	1632	From 1964-01-01 to 1970-12-31
Station ALOHA	ALOHA	Hawaii	22.7500N	158.0000W	-4728	From 2007-02-16
Statte	SAE	Italy	40.5619N	17.2061E		
Stauanlage Cunera	CURA	Switzerland	46.6348N	8.7108E	1960	From 2009-10-28
St Aubert, Comte d'Islet	D61A	Quebec,Canada	47.2022N	70.1868W	146	From 2013-08-02
Staufenbuehl	STAB	Baden-Wurttemberg,Germany	48.2709N	9.0402E	898	From 2000-10-25 to 2020-02-01
Staufenhaus Bad Reichenhall	RTSH	Bayern	47.7545N	12.8499E	1638	From 2009-05-28
Staufen im Breisgau	STAU	Baden-Wurttemberg,Germany	47.8640N	7.7322E	299	From 2001-01-04
St Austell	CSA1	England,United Kingdom	50.3527N	4.8919W	112	From 1981-01-01
Stavanger	STAV	Norway	58.9348N	5.7022E	28	
Stavd-Durt	STDR	Severo-Osetinskaya,Russia	43.3689N	44.0631E	352	From 2009-03-14
Stavropigio, Messinia, Peloponnese	STPG	Greece	36.9347N	22.1902E	351	From 2020-10-01
Stavros	STV1	Greece	40.6648N	23.6970E	20	From 2008-10-01
Stavros Akrotiri	AKRT	Crete,Greece	35.5896N	24.0840E	10	From 2006-06-01
Stavros, Greece	GR13	Greece	40.3516N	23.1859E	300	From 2022-09-29
Stavroupoli Thessaloniki	STL1	Greece	40.6623N	22.9350E	51	From 2011-06-01
St Barthlmy	SBLM	Guadeloupe	17.9150N	62.8507W	108	From 2016-02-01
St Bernadette"s School	NBSS	North Island,New Zealand	41.2023S	174.9538E	0	From 2011-06-21
St. Boniface College	STBON	Manitoba	49.8919N	97.1108W	230	From 1910-01-21 to 1922-11-25
St. Charles CC	SCMO	Illinois,U.S.A.	38.7618N	90.6413W	152	
St. Cloud	858A	Florida,U.S.A.	28.2126N	81.3616W	27	From 2012-02-14
St. Cloud Mine, Winston	Z21A	New Mexico,U.S.A.	33.3086N	107.6712W	1964	From 2008-02-22 to 2009-12-08
STCN	STCN	Baja California	31.7668N	115.8178W	1417	
St. Croix	CDVI	Virgin Islands	17.7518N	64.7661W	3	From 2005-02-01
Stead Airport, Stead	P06A	Nevada,U.S.A.	39.6785N	119.8983W	1368	From 2006-04-28 to 2008-03-04
Ste Agathe de Lotbiniere,	E60A	Quebec,Canada	46.3689N	71.4469W	181	From 2013-08-07
Steamboat Mountain	STEW	Wyoming,U.S.A.	44.0497N	110.6967W	2316	From 1986-01-01 to 2007-08-07
Steamboat Mountain	H27K	Alaska,U.S.A.	66.2305N	141.5265W	786	From 2016-07-25
Steam Cracks	STCH	Hawaii,U.S.A.	19.3853N	155.1250W	765	
Steaming Bluff	SBLHI	Hawaii,U.S.A.	19.4270N	155.2680W	1084	
Stebnicka Huta	STHS	Slovakia	49.4167N	21.2437E	534	From 2004-12-01
Steborice	STEB	Czech Republic	49.9343N	17.7728E	377	From 2010-10-19
Ste-Clotilde	SURQ	Quebec	45.1675N	71.7081W	60	From 2019-02-15
Ste Croix	LASF	Rhone-Alpes,France	44.0761N	3.8570E	520	
Steele Glacier	YUK8	Yukon Territory,Canada	61.2844N	139.7646W	2456	From 2012-09-07
Steenkerk	BSKQ	Belgium	50.6487N	4.0796E	63	From 1994-08-01
Stefanesti	STFR	Romania	44.5324N	26.2131E	122	From 2004-05-05
Stefanesti-Arges	STFAR	Romania	44.8629N	24.9609E	495	From 2014-07-02
Stefani	STFN	Greece	38.1766N	23.5440E	582	
Stefani	STEF	Greece	38.1650N	23.5470E	733	
Stegerstafel, Elm, GL	ELM3	Switzerland	46.9023N	9.1363E	1203	From 2020-10-26
Steigen	STEI	Norway	67.9300N	15.2420E	21	From 2007-06-17
Stein am Rhein	STEIN	Switzerland	47.6697N	8.8690E	540	From 2003-08-29
Steinbach	A030A	Austria	47.8277N	13.5612E	640	From 2015-11-12
Steinbach	STB	Nordrhein-Westfalen,Germany	50.5940N	6.8400E	270	From 1975-12-01
Steinbach	BA18	Nordrhein-Westfalen,Germany	50.5938N	6.8393E	262	From 2006-10-01
Steiner Alm	RTSA	Bayern	47.7683N	12.8417E	1066	From 2012-08-10
Steinschlaghuette ILLGRABEN, VS	ILL18	Switzerland	46.2776N	7.6152E	1449	From 2018-05-22
Steinweiler	INS2	Germany	49.1201N	8.1337E	134	From 2012-08-15 to 2014-12-08
Steinweiler	ROTT	Germany	49.1291N	8.1487E	-177	
Ste Jean	SJPF	Aquitaine,France	43.1133N	1.2250W	450	From 1996-04-03
Ste-Julie	SJUQ	Quebec,Canada	45.5621N	73.3233W	66	From 2019-05-12
Stelbrattur	ISTE	Iceland	64.8559N	19.6275W	740	From 2015-09-30
St-Eleuthere	SELQ	Quebec,Canada	47.5000N	69.3600W	459	From 1984-08-28
Stellar Camp, Hudson Bay	STLN	Nunavut,Canada	67.3116N	92.9849W	204	From 2006-08-18
Ste Marie-Mines	SMM	Alsace,France	48.2158N	7.1583E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Stenlille00	STE00	Denmark	55.5487N	11.6227E	43	From 2018-08-15 to 2020-12-31
Stenlille01	STE01	Denmark	55.5480N	11.6438E	43	From 2018-08-15 to 2020-12-31
Stenlille02	STE02	Denmark	55.5392N	11.6559E	53	From 2018-09-14 to 2020-12-31
Stenlille03	STE03	Denmark	55.5582N	11.5754E	33	From 2018-08-15 to 2020-12-31
Stenlille04	STE04	Denmark	55.5083N	11.6201E	41	From 2018-09-14 to 2020-12-31
Stenlille05	STE05	Denmark	55.5892N	11.5949E	33	From 2018-09-14 to 2020-12-31
Stenlille06	STE06	Denmark	55.5168N	11.5926E	38	From 2018-10-24 to 2020-12-31
Stenlille 07	STE07	Denmark	55.5437N	11.5592E	0	From 2020-07-08
Stent	MSTM	California,U.S.A.	37.9045N	120.4050W	366	From 1972-04-19
Stepanavan	STE	Armenia	41.0000N	44.3700E	1390	From 1951-01-01
Stepanavan 1	ST1S	Armenia	40.9983N	44.3983E	1410	
Stepanavan 2	ST2S	Armenia	41.0217N	44.2600E	1625	
Stepanavan 7	ST7	Armenia	40.8883N	44.2792E	1910	
Stepanovsky Iom, Miroslav	SEDU	Czech Republic	48.9570N	16.3306E	249	
Stepenevan	STEZ	Armenia	41.0000N	44.3990E	1423	From 1996-10-01
Stephens Creek	STKA	New South Wales,Australia	31.8769S	141.5952E	272	From 1991-09-20
Stephens Creek	STK	New South Wales,Australia	31.8817S	141.5920E	213	From 1974-04-01 to 2006-05-29
Stephens Glacier	SGA	Alaska,U.S.A.	61.4207N	146.3950W	1326	From 1974-07-11 to 1976-01-28
Stepladder Mountains	STP	California,U.S.A.	34.5712N	114.8480W	628	From 1974-04-01 to 1976-10-31
Stepnoy Dvorets	STDB	Buryatiya,Russia	52.1690N	106.3660E	458	From 1999-08-01
S. Teresa di Riva (ME)	FX10	Italy	37.9570N	15.3777E	29	From 2021-12-22 to 2023-02-02
Sterling	SGU	Utah,U.S.A.	39.1823N	111.6447W	2357	From 1978-10-01
Sterling City	SGCY	Texas,U.S.A.	31.9144N	101.1264W	776	From 2017-02-08
Sterling City	230A	Texas,U.S.A.	31.8878N	101.1124W	742	From 2009-03-03 to 2011-02-05
Sterling Forest	SFN	New York,U.S.A.	41.1962N	74.2612W	244	
Sterling Forest	SFO	New York,U.S.A.	41.1962N	74.2600W	300	From 1962-01-01 to 1975-08-31
Sterusy	A334A	Slovakia	48.6044N	17.6747E	224	From 2015-09-16
St-Etienne Orgue	STOF	France	43.9980N	5.9090E	650	From 2004-09-07 to 2010-03-24
St. Eustatius	SEUS	Netherlands Antilles,Netherlands Antilles	17.4928N	62.9814W	46	From 2006-10-29
St. Eustatius G	SEUG	Netherlands Antilles	17.4800N	62.9720W	50	From 2013-12-01
St. Eustatius H	SEUH	Netherlands Antilles	17.4820N	62.9830W	50	From 2013-12-01
St. Eustatius T	SEUT	Netherlands Antilles	17.4690N	62.9750W	50	From 2013-12-01
St Evariste	F61A	Quebec,Canada	45.9743N	70.9921W	350	From 2013-08-05
Stevens Creek	JSCM	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stevens Creek	SEC	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stevens Creek	LT1	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stev Forest Ranch, Sanderson	529A	Texas,U.S.A.	30.1246N	102.2204W	764	From 2009-02-12 to 2010-12-11
Stewart Farms, Lamesa	129A	Texas,U.S.A.	32.6309N	101.8662W	876	From 2009-01-31 to 2010-12-07
Stewart Island	SIZ	Stewart Island,New Zealand	46.8734S	168.1331E	60	From 1990-12-12 to 2001-10-24
St. Gallen Kloster	STGK	Switzerland	47.4241N	9.3785E	672	From 2012-01-27
St. George Fire Station	SGSU	Utah,U.S.A.	37.0474N	113.6064W	755	From 2009-12-10
St-Georges	SGRQ	Quebec,Canada	46.1400N	70.5800W	330	From 1984-08-30
St. Georges / Gimel	GIMEL	Switzerland	46.5347N	6.2658E	1130	From 1999-09-06
Stickney	SY-	South Dakota,U.S.A.	43.6056N	98.4917W	488	From 1962-10-12 to 1962-10-27
Stickney	SY-SD	South Dakota,U.S.A.	43.6056N	98.4917W	488	From 1962-10-12 to 1962-10-27
Stiegenhof Hundestation	STIEG	Switzerland	47.4977N	8.6540E	535	From 2012-08-01
Stignano (FG) Italy	OT04	Italy	41.7196N	15.5807E	279	From 2013-04-15
Stiles	STLY	New York,U.S.A.	41.1886N	74.0036W	125	
Stilesville Quarry	SVNB	New Brunswick,Canada	46.1628N	64.8750W	190	From 2013-09-06
Stillwater	SWN	Nevada,U.S.A.	39.8830N	118.0623W	2298	
Stillwater	ST-	Nevada,U.S.A.	39.4381N	118.5800W	1219	From 1963-01-30 to 1963-03-29
Stillwater	STWA	New York,U.S.A.	42.9620N	73.6773W	103	
Stillwater	ST-NV	Nevada,U.S.A.	39.4381N	118.5800W	1219	From 1963-01-30 to 1963-03-29
Stillwater Mine	STMT	Montana,U.S.A.	45.3860N	109.8608W	1756	
Stimpson Lane	OSTM	California,U.S.A.	39.3688N	121.5970W	28	From 1975-08-05
Stinnett	V29A	Texas,U.S.A.	35.8734N	101.5209W	953	From 2009-01-18 to 2010-11-11
Stip	STIP	North Macedonia,North Macedonia	41.6943N	22.1862E	300	From 2005-08-01
St-Isidore-de-Clifton	G61A	Quebec,Canada	45.2827N	71.5273W	378	From 2013-09-25
Stithians	CST1	England,United Kingdom	50.1952N	5.1635W	141	From 1981-01-01
Stivos	STCV	Greece	40.6487N	23.3049E	33	
Stivos	STEV	Greece	40.6453N	23.3054E	33	
St. Johann am Tauern	D161	Austria	47.3678N	14.4726E	1218	From 2019-12-16
St. Johann (BS)	JOHAN	Switzerland	47.5747N	7.5693E	-56	From 2006-10-01
St. Johns	X19A	Arizona,U.S.A.	34.4275N	109.2901W	1861	From 2007-04-10 to 2009-02-03
St Joseph	LT2	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
St Joseph	JSJM	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
St Joseph's College, Albany	AUALB	West Australia,Australia	35.0000S	117.9000E	50	From 2012-09-24
St. Kitts, UWI Open Campus	SKOC	Netherlands Antilles	17.2929N	62.7323W	15	From 2013-05-09
St Laurent du Var	SLAF	Provence-Cote d'Azur,France	43.6706N	7.1846E	70	From 2012-07-14
St-Lin Laurentide	F58A	Quebec,Canada	45.8663N	73.8145W	73	From 2013-07-27
St-Lucie-de-Beauregard	SLBQ	Quebec,Canada	46.7400N	70.0200W	412	From 1984-08-30
St Luke's College, Karratha	AUKAR	West Australia,Australia	20.7500S	116.8200E	45	From 2013-09-12
St. Maarten	SMRT	Netherlands Antilles,Netherlands Antilles	18.0505N	63.0746W	260	From 2006-10-27
St. Maarten, Airport	STMA	Netherlands Antilles	18.0428N	63.1089W	28	From 2004-03-07
St-Marc-des-Carrires	SMCQ	Quebec,Canada	46.6709N	72.0551W	47	From 2009-11-04
St. Martinville	543A	Louisiana,U.S.A.	30.0856N	91.8557W	4	From 2011-02-25 to 2012-12-07
St. Marys Cement	DRCO	Ontario,Canada	43.8766N	78.7023W	84	From 2011-10-26
St Mary Star of the Sea, Carnarvon	AUCAR	West Australia,Australia	24.8900S	113.6600E	17	From 2013-09-03
St. Maurice	E59A	Quebec,Canada	46.4803N	72.5108W	62	From 2013-07-30
St. Maurice, Haute cole pdagogique du Valais, VS	SSMS	Switzerland	46.2152N	7.0059E	408	From 2016-11-28
St. Michael	G36A	Minnesota,U.S.A.	45.2344N	93.7509W	293	From 2010-09-12 to 2012-07-26
St.-Nazaire-Desert	OG26	Rhone-Alpes,France	44.5783N	5.3022E	840	
St. Niklaus Bahnhofstrasse	SNIB	Valais,Switzerland	46.1771N	7.8024E	1110	From 2010-12-21
Stockdale Mountain	SMNB	California,U.S.A.	35.9730N	120.5799W	416	
Stockdale Mountain	PSTM	California,U.S.A.	35.9288N	120.5080W	573	
Stockerau	A005B	Austria	48.3719N	16.2054E	174	From 2016-05-25
Stockholm	D63A	Maine,U.S.A.	47.0370N	68.1066W	256	From 2013-09-19
Stockton	S38A	Missouri,U.S.A.	37.6304N	93.9078W	294	From 2010-12-15 to 2012-10-27
Stockton	P31A	Kansas,U.S.A.	39.5211N	99.3783W	665	From 2009-05-18 to 2011-04-05
Stoke	STNC	England,United Kingdom	53.0913N	2.2062W	234	From 2007-04-24
Stokes Point	D28M	Yukon Territories,Canada	69.3286N	138.7367W	32	From 2017-08-19
Stokes Ranch, Hill City	J12A	Idaho,U.S.A.	43.2500N	115.0980W	1587	From 2006-12-08 to 2008-07-25
Stokkvaagen	STOK	Norway	66.3330N	13.0177E	18	From 2003-09-01
Stolb	SOTR	Sakha,Russia	72.4000N	126.8250E	50	From 1985-02-01 to 1995-02-01
Stolberg	BA02	Nordrhein-Westfalen,Germany	50.7722N	6.2157E	230	From 2006-10-01
Stollen Tierberg Steinach	TIER	Thuringen	50.4547N	11.1672E	698	From 2023-06-22
Stollet	SLL	Sweden	60.4760N	13.3200E	390	
Ston	STON	Croatia	42.8716N	17.6999E	5	From 2003-10-13
Stone Canyon	BSCM	California,U.S.A.	36.6330N	121.2340W	357	From 1976-10-06
Stone Canyon	SCYB	California,U.S.A.	36.0094N	120.5366W	695	
Stone Canyon Observatory	STC	California,U.S.A.	36.6350N	121.2397W	267	From 1967-01-22 to 1976-10-06
Stone Canyon Reservoir	SCY	California,U.S.A.	34.1062N	118.4540W	287	From 1971-09-16
Stone Corral	PSNM	California,U.S.A.	35.7878N	120.2951W	390	
Stoneham	STOQ	Quebec,Canada	47.0188N	71.3795W	201	From 2007-11-02
Stonelick State Park	SLSO	Ohio	39.2216N	84.0560W	271	From 2018-05-31 to 2500-12-31
Stone Ridge	PONY	New York,U.S.A.	41.8517N	74.1500W	0	
Stone Ridge	SPNY	New York,U.S.A.	41.8756N	74.1492W	0	
Stone Ridge	PKNY	New York,U.S.A.	41.8742N	74.1714W	0	
Stone Valley	CSVM	California,U.S.A.	37.8653N	122.0063W	199	
Stoney Creek	RD04	Ontario,Canada	43.1524N	79.6988W	168	
Stoneypath	ESY	Scotland,United Kingdom	55.9178N	2.6144W	328	From 1981-11-27
Stoney Pound	SSP1	Wales,United Kingdom	52.4177N	3.1119W	428	From 1990-01-01
Stony Hill	STH	Jamaica	18.0767N	76.8094W	418	From 1969-08-01
Stonyhurst	STO	England,United Kingdom	53.8500N	2.4667W	116	
Stony Point	SNPY	New York,U.S.A.	41.2663N	74.0040W	122	From 1975-06-17
Stony River	STY	Alaska,U.S.A.	61.1445N	154.2020W	1047	From 1972-07-24 to 1975-01-29
Stony River	M18K	Alaska,U.S.A.	61.4907N	155.8242W	289	From 2017-05-09
Storm Lake	K35A	Iowa,U.S.A.	42.7218N	95.2328W	439	From 2010-07-28 to 2012-05-16
Storozhevoye	VRSR	Voronezhskaya Oblast',Russia	51.2150N	39.1900E	180	
Storozhevoye	VSR	Voronezhskaya Oblast',Russia	51.2162N	39.1664E	186	From 2007-09-03
Stover Farm, Hazelton	K13A	Idaho,U.S.A.	42.6493N	114.0840W	1222	From 2006-12-12 to 2008-08-05
Stowe	DSTT	Dominica	15.2467N	61.3035W	120	
Stow on the Wold	SSW	England,United Kingdom	51.9667N	1.8499W	291	
St-Pascal	STPQ	Quebec,Canada	47.5300N	69.8000W	62	From 1979-09-19
St-Paul-en-Foret	SPF	Provence-Cote d'Azur,France	43.5639N	6.6972E	337	
St Philip's College	AUALC	Northern Territory	23.6899S	133.8835E	573	From 2015-08-19
St Phillip Court Concord	C019	California,U.S.A.	37.9836N	122.0139W	31	From 2009-07-07 to 2011-03-23
Strada della Grotta, Ancona	CMA10	Italy	43.6030N	13.4802E	68	From 2022-11-14
Strafford	J63A	New Hampshire,U.S.A.	43.2792N	71.0781W	142	From 2013-09-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Strandline Lake	STLK	Alaska,U.S.A.	61.4987N	151.8330W	940	
Strasbourg	STR	Alsace,France	48.5845N	7.7658E	135	
Strasburg	Q57A	Virginia,U.S.A.	39.0353N	78.4107W	324	From 2013-04-25
Strasshof	A002A	Austria	48.3175N	16.6152E	162	From 2015-10-16 to 2016-06-02
Stratford	STZ	North Island,New Zealand	39.3440S	174.2924E	305	From 1934-10-01 to 1939-03-31
Strathalbyn	STR2	South Australia,Australia	35.2871S	138.8479E	155	From 2007-01-08
Strathcona Park Lodge	SPLB	British Columbia,Canada	49.8921N	125.6526W	276	From 2009-07-30
Strathgordon	STG	Tasmania,Australia	42.8483S	146.2070E	350	From 1972-07-01 to 2009-09-03
Strathgordon Vge	STGV	Tasmania,Australia	42.7682S	146.0476E	0	
Straumen	N2ST	Norway	67.3487N	15.5958E	11	From 2013-08-01 to 2016-05-30
Strazek	A085A	Czech Republic	49.4392N	16.1962E	458	From 2015-10-07
Strazhitsa	SZH	Bulgaria	43.2653N	25.9763E	331	From 1988-01-01
Streeter	ST4	Texas,U.S.A.	31.1633N	100.0611W	640	From 1967-04-16 to 1967-05-16
Streeter	ST4TX	Texas,U.S.A.	31.1633N	100.0611W	640	From 1967-04-16 to 1967-05-16
Streeter	ST2	Texas,U.S.A.	30.7922N	99.4478W	579	
Streeter	ST1TX	Texas,U.S.A.	30.7522N	99.3556W	518	
Streeter	ST2TX	Texas,U.S.A.	30.7922N	99.4478W	579	
Streeter	ST1	Texas,U.S.A.	30.7522N	99.3556W	518	
Strehaia	SRE	Romania	44.6622N	23.2052E	335	From 1982-09-01
Strider, Charleston	Y44A	Mississippi,U.S.A.	33.9618N	90.2112W	46	From 2011-04-15 to 2013-02-08
Stringfield Ranch, Weed	124A	New Mexico,U.S.A.	32.7001N	105.4544W	2078	From 2008-02-27 to 2010-01-18
Striped Hills	SDH	Nevada,U.S.A.	36.6453N	116.3378W	1073	From 1978-07-24 to 2002-12-10
Striped Peak	STW	Washington,U.S.A.	48.1502N	123.6700W	308	From 1973-06-27
Strizhament	STRR	Stavropol'skiy Kray,Russia	44.7747N	42.0153E	820	
Stroemstad	STRU	Sweden	59.0345N	11.1825E	50	From 2006-07-27
Strofades	SFD	Greece	37.2512N	21.0165E	45	From 2009-07-24
Strofades island, Greece	STRF	Greece	37.2497N	21.0130E	8	From 2022-09-08
STROMBOLI 3	STR3	Sicily,Italy	38.7978N	15.2305E	195	From 2003-05-01
STROMBOLI 4	STR4	Sicily,Italy	38.7739N	15.2115E	86	From 2003-05-01
Stromboli 5	STR5	Sicily,Italy	38.7911N	15.2032E	632	From 2003-05-01
Stromboli F	IST3	Sicily,Italy	38.7992N	15.2304E	255	From 2011-06-17
Stromboli-G	GIN	Italy	38.7897N	15.1908E	125	
Stromboli Ginostra	ISTR	Sicily,Italy	38.7867N	15.1919E	116	From 2011-06-15
Stromboli - Loc. Labronzo	STRG	Italy	38.8097N	15.2148E	125	From 2006-09-16
Stromboli Pizzo	ISTP	Sicily,Italy	38.7927N	15.2143E	963	From 2011-06-27
Stronsay	OST	Orkney Islands,United Kingdom	59.0860N	2.5516W	15	From 1995-09-21
Stroppo	PZZ	Italy	44.5068N	7.1160E	1430	From 1985-01-01
Stroud	STRD	England,United Kingdom	51.7763N	2.1639W	187	From 2009-07-14
Str Punta Lena IE	ISPL	Sicily,Italy	38.7747N	15.2112E	160	From 1996-01-01
Struganik	STRS	Serbia	44.2036N	20.1115E	0	
St. Stephen	Z58A	South Carolina,U.S.A.	33.3349N	79.8129W	18	From 2013-02-24
Studebaker Ridge	STD	Washington,U.S.A.	46.2378N	122.2230W	1268	
Studenec	STCW	Czech Republic	50.2591N	12.5197E	666	From 1997-01-01
Stuetta	TUE	Italy	46.4722N	9.3472E	1955	
Stulken Farm, Doniphan	N32A	Nebraska,U.S.A.	40.7639N	98.2955W	587	From 2009-09-08 to 2011-08-19
Stuttgart	STU	Baden-Wurttemberg,Germany	48.7719N	9.1950E	360	From 1929-01-01
Stuttgart	X42A	Arkansas,U.S.A.	34.5532N	91.6262W	62	From 2011-07-28 to 2013-02-16
Stuttgart, Hoppenlaufriedhof	STUT	Baden-Wurttemberg	48.7819N	9.1683E	259	From 2017-10-01
Stutzman Family Farm, Minonk	N43A	Illinois,U.S.A.	40.9394N	89.1735W	215	From 2011-11-04
Stuzhytsa	STZU	Carpathian Mountains	49.0163N	22.6229E	385	From 2011-03-15
St. Veronique	E56A	Quebec,Canada	46.5436N	75.0341W	320	From 2013-07-30
St. Vincent, Congo Valley	SVCV	St Vincent,Saint Vincent and the Grenadines	13.2722N	61.1451W	250	From 2010-04-23
Stwlan	WST	Wales,United Kingdom	52.9750N	3.9889W	850	From 1986-01-01
Stypsi (Lesvos)	LES1	Greece	39.3108N	26.2211E	372	From 2023-10-13
Styx Mill Transfer Station	SMTX	South Island,New Zealand	43.4675S	172.6139E	10	From 2008-01-29
Styx River	M20K	Alaska,U.S.A.	61.8823N	153.1318W	1107	From 2015-06-21
SU01	SU01	Pacific coast of Ecuador	0.0708N	80.8670W	-850	
SU02	SU02	Pacific coast of Ecuador	0.0157S	80.6760W	-2468	
SU03	SU03	Pacific coast of Ecuador	0.1712N	80.5837W	-2637	
SU04	SUB04	Pacific coast of Ecuador	0.2568N	80.7737W	-272	
SU05	SUB05	Pacific coast of Ecuador	0.3550N	80.9542W	-116	
SU06	SUB06	Pacific coast of Ecuador	0.6497N	81.0420W	-134	
SU07	SU07	Pacific coast of Ecuador	0.7360N	80.7473W	-118	
SU08	SUB08	Pacific coast of Ecuador	0.6350N	80.5750W	-600	
SU09	SUB09	Pacific coast of Ecuador	0.4445N	80.6693W	-566	
SU10	SUB10	Pacific coast of Ecuador	0.3553N	80.4853W	-2300	
SU11	SUB11	Pacific coast of Ecuador	0.5320N	80.3765W	-2650	
SU12	SUB12	Pacific coast of Ecuador	0.7220N	80.2920W	-2446	
SU13	SUB13	Pacific coast of Ecuador	0.8238N	80.4787W	-600	
SU14	SUB14	Pacific coast of Ecuador	0.0170N	80.3787W	-376	
SU15	SU15	Pacific coast of Ecuador	0.8913N	80.2017W	-2586	
Suanglung	SSLB	Taiwan region	23.7875N	120.9540E	450	
Suao	TWC	Taiwan region	24.6092N	121.8490E	20	From 1973-03-16
Su ao	ESAO	Taiwan region	24.5757N	121.8439E	33	From 2017-10-06
Suao Port	TWCP	Taiwan region	24.5970N	121.8570E	0	From 2001-04-10
Subarray A0 LASA	-A0MA	Montana,U.S.A.	46.6886N	106.2222W	897	
Subi	SUBA	Republic of Korea	36.7826N	129.2211E	406	From 2018-03-09
Subic Bay	SBP	Luzon,Philippines	14.8333N	120.2830E		
Subotica	SUBS	Serbia	46.1117N	19.6506E	118	From 2012-05-12
Suceava	SUVR	Romania	47.6402N	26.2448E	354	From 2021-07-02
Suceava	SUC1	Romania	47.6385N	26.2481E	340	From 2015-09-22
Sucha_Reka	BG03A	Bulgaria	43.1322N	26.9381E	120	From 2022-06-13
Suche	PT08	Peru	11.9600S	76.5490W	2880	From 1983-08-30
Suchitepequez, La Maquina	SULM	Guatemala	14.3048N	91.5647W	65	
Suckling Hill	SUK	Alaska,U.S.A.	60.0737N	143.7770W	454	
Suckling Hills	SUCK	Alaska,U.S.A.	60.0725N	143.7770W	467	
SUCO	SUCO	Cordoba,Argentina	33.3445S	64.8835W	780	From 2001-07-13
Sucre	SUC	Bolivia	19.0467S	65.2644W	2850	
Sucre	AOES	Bolivia	19.1406S	65.3443W	3229	From 2021-02-25
Sucupira, TO, Brazil	RET4	Tocantins,Brazil	12.1850S	48.7117W	264	From 2008-07-20 to 2012-06-09
Sudak	SUDU	Crimea	44.8900N	35.0000E	108	From 1998-10-01
Sudbury	SUO	Ontario,Canada	46.4027N	81.0068W	252	
Sudbury	SUD	Ontario,Canada	46.4667N	80.9667W	267	From 1967-11-22
Sudbury	SWXO	Ontario,Canada	46.5971N	81.2778W	337	
Sudbury	SWO	Ontario,Canada	46.7328N	80.9994W	372	
Sudbury	SZO	Ontario,Canada	46.4381N	81.4961W	312	From 1987-01-24
Sudbury	SUBO	Ontario,Canada	46.6115N	81.1321W	281	From 2017-06-06
Sudbury Onaping	SUNO	Ontario,Canada	46.6438N	81.3442W	369	
Sudden Peak, Lompoc	SDP	California,U.S.A.	34.5655N	120.5014W	631	From 2002-01-18 to 2006-08-15
Sud-Ghoubbet	SGH	Djibouti	11.4370N	42.6307E	700	From 1976-04-01
Sue Hot Springs	SOX	Nevada,U.S.A.	40.1017N	117.7167W	1198	
Suez	SUZ	Egypt	29.8406N	32.8322E	277	
Suffern	SUFF	New York,U.S.A.	41.1583N	74.1092W	152	
Suffield	SES	Alberta,Canada	50.3958N	111.0420W	770	From 1966-05-11
Suffield	L62A	Connecticut,U.S.A.	42.0328N	72.6617W	49	From 2013-09-06
Sufian	SFNV	Syria	36.4180N	40.1116E	810	From 2002-04-01
Sufi-Kurgan	SFK	Kyrgyzstan	40.0130N	73.5030E	2160	
Sugar Bowl	BOLM	Washington,U.S.A.	46.2154N	122.1747W	1859	From 2004-10-03
Sugar Creek Farm, Atlanta	O43A	Illinois,U.S.A.	40.2856N	89.3130W	224	From 2011-08-17 to 2013-05-07
Sugar Island	SUG	Michigan,U.S.A.	46.5214N	84.1383W	190	From 1969-09-26 to 1972-08-09
Sugar Loaf	SLFW	Washington,U.S.A.	47.7589N	120.5278W	1750	
Sugarloaf Mountain West	SMWM	California,U.S.A.	36.0193N	117.8458W	1116	
Sugar Pine Mountain, Hoopa, California	SUGR	California	41.0386N	123.7486W	1127	From 2022-06-01
Sugihara	SRJ	Gifu,Japan	36.4141N	137.1917E	440	
Sugihashi	SGJ	Fukui,Japan	35.6111N	136.1456E	210	
Suhoy Ruchey	VBR	Buryatiya	51.7980N	106.0150E	478	From 2012-03-22
Suhut-Afyon	SHUT	Turkey	38.5530N	30.5511E	1215	From 2006-11-02
Sui-hua	SUI	Heilongjiang,China	46.6233N	126.9920E		
Sukabumi	SKJI	Jawa,Indonesia	7.0053S	106.5563E	100	From 2005-01-01
Sukala	SUKL	Orissa	19.9300N	85.6900E	6	From 2018-07-19
Sukaluyu, Jawa Barat	SCJM	Indonesia	6.8437S	107.2221E	327	From 2019-01-01
Sukaraja, Jawa Barat	SSJM	Indonesia	6.8872S	106.9626E	841	From 2019-01-01
Sukhothai	SUKH	Thailand	17.4821N	99.6310E	58	
Sukko	SUKR	Krasnodarskiy Kray	44.7990N	37.4290E	41	From 2018-10-15
Sukok	SUKO	Uzbekistan	41.2461N	69.8198E	1353	
Sukoro, SUKH	SUKHU	Hungary	47.2424N	18.6165E	100	
Sukute	SUKT	Nepal	27.7057N	85.7612E	745	From 2002-03-05 to 2002-11-07
Sulaymaniyah	SLY	Iraq	35.6000N	45.5000E	912	
Sulaymaniyah	SLY1	Iraq	35.5784N	45.3667E	756	From 2015-09-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sulen	SUE	Norway	61.0570N	4.7610E	10	From 1984-11-01
Sulfur Bank	SB4	California,U.S.A.	38.8089N	122.8292W	327	
Suliki, Sumatera Barat	LKSM	Indonesia	0.1845N	100.6007E	186	From 2019-01-01
Sulina	TSSL	Romania	45.1621N	29.7269E	65	From 2013-05-14
Sullivan	SLTN	Tennessee,U.S.A.	36.4432N	82.1205W	1280	
Sulmona Autoparco	SULA	Italy	42.0734N	13.9166E	412	From 2012-10-15
Sulmona Consorzio	SULC	Italy	42.0680N	13.9090E	423	From 2012-10-16
Sulmona Polizia	SULP	Italy	42.0850N	13.9274E	405	From 2012-10-15
Sulphur Canyon Road, Soda Springs	ID05	Idaho,U.S.A.	42.6429N	111.4590W	2262	From 2017-09-07 to 2017-10-24
Sulphur Creek	SUL	New Britain,Papua New Guinea	4.2194S	152.1930E	9	
Sultana	SALT	Saudi Arabia	29.0230N	34.9080E	350	From 1993-07-01
Sultana	SULJ	Jordan	31.0867N	36.0767E	951	
Sultandagi-AFYON	SDAG	Turkey	38.4396N	30.9175E	1140	From 2019-07-09
Sultanhani-AKSARAY	SULT	Turkey	38.1988N	33.5156E	982	From 2008-01-04
Sultanice-Enez-Edirne	ENZZ	Turkey	40.6074N	26.1406E	7	From 2011-03-28
Sultan-Mazar	SMT	Tajikistan	38.4667N	70.0667E		
Sultan Qaboos University, Muscat	SQUM	Oman	23.5847N	58.1765E	55	From 2012-06-04
Sulzburg	A121B	Germany	47.8354N	7.7260E	435	From 2018-07-10
Sulzburg	SUBU	Baden-Wurttemberg	47.8394N	7.7175E	416	From 2022-01-01
Sumairaa	QSMS	Saudi Arabia	26.6716N	42.6852E	887	
Sumara - IBB Gov. - Yemen	SMRH	Yemen	14.1840N	44.2570E	2990	From 2005-10-23
Sumbawanga	SUMB	Tanzania,United Republic of Tanzania	7.9530S	31.6195E	1836	
Sumgait, Azerbaijan	SUMQ	Azerbaijan	40.6051N	49.6465E	-30	From 2021-04-21
Sumiainen	SUF	Finland	62.7192N	26.1506E	185	
Sumiya	SMAJ	Jordan	32.1550N	35.7830E	565	From 1983-09-01 to 1985-12-16
Summerhill	SMHS	South Island,New Zealand	43.2622S	172.3363E	181	From 2012-10-16
Summer Lake	K05A	Oregon,U.S.A.	42.7258N	120.8934W	1887	From 2006-07-31 to 2009-01-08
Summer Shade	SSKY	Kentucky,U.S.A.	36.7955N	85.7925W	300	From 1983-04-21 to 1987-03-05
summerside station 1	HC1P	Prince Edward Island,Canada	46.4340N	63.7953W	1	From 2013-05-23
summerside station 2	HC2P	Prince Edward Island,Canada	46.4323N	63.7642W	20	From 2013-05-23
summerside station 3	HC3P	Prince Edward Island,Canada	46.4240N	63.7395W	7	From 2013-05-23
summerside station 4	HC4P	Prince Edward Island,Canada	46.4106N	63.6705W	16	From 2013-05-23
Summerton	SMA	South Carolina,U.S.A.	33.6283N	80.3181W	30	From 1974-05-20 to 1975-07-01
Summerville Airport, SC, USA	SUMMV	South Carolina	33.0658N	80.2738W	-82	From 2015-04-21
Summit	SUMG	Greenland	72.5763N	38.4538W	3275	
Summit	SSVA	Caribbean,St Vincent	13.3231N	61.1825W	815	From 2021-08-31
Summit Reservoir	SURI	Idaho,U.S.A.	44.3058N	113.4830W	2324	
Summit Valley	SVMT	Montana,U.S.A.	45.8822N	112.5710W	1914	From 1984-01-01 to 1987-10-21
Sumner	SUMS	South Island,New Zealand	43.5692S	172.7568E	9	From 2012-04-23
Sumner High School ANSS-SMO	SMNR	Washington,U.S.A.	47.2044N	122.2327W	626	From 2001-07-17
Sumoto	SUM	Hyogo,Japan	34.3350N	134.9080E	110	
Sumqayit	SMGA	Azerbaijan	40.6050N	49.6410E	-21	
Sumter	Y57A	South Carolina,U.S.A.	34.0170N	80.3915W	56	From 2013-02-19
Sunasenri	SUNK	Kumamoto,Japan	32.8695N	131.0892E	1240	
Sunbury	N58A	Pennsylvania,U.S.A.	40.8396N	76.7158W	200	From 2013-07-04
Sunchang	SUCA	Republic of Korea	35.3736N	127.1386E	100	From 2012-11-24
SUNCHEON	KSSCH	Republic of Korea	35.0649N	127.2408E	54	From 2006-12-30
Sundarnagar	SDNR	Himachal Pradesh,India	31.5000N	76.9700E	500	
Sundja	SNJR	Severo-Osetinskaya,Russia	43.0685N	44.8117E	671	From 2006-01-10 to 2010-06-20
Sundridge	F52A	Ontario,Canada	45.7951N	79.3227W	351	From 2012-11-02
Sunflower	SN-AZ	Arizona,U.S.A.	33.8636N	111.6928W	884	From 1964-03-29 to 1965-10-04
Sunflower	SN-	Arizona,U.S.A.	33.8636N	111.6928W	884	From 1964-03-29 to 1965-10-04
Sunflower Court Concord	C010	California,U.S.A.	37.9440N	122.0099W	51	From 2009-05-14
Sungai Beremas, Sumatera Barat	SBSM	Indonesia	0.1983N	99.3775E	1	From 2019-01-01
Sungai Dareh	SDSI	Sumatera,Indonesia	0.9324S	101.4282E	0	From 2007-12-01
Sungai Lasi, Sumatera Barat	SLSM	Indonesia	0.8313S	100.6534E	389	From 2019-01-01
Sunmer	J47A	Michigan,U.S.A.	43.2382N	84.8214W	236	From 2012-09-14
Sun Moon Lake	SMLT	Taiwan region	23.8830N	120.8999E	1014	
Sunnydale, South Australia	SUND	South Australia	34.6626S	139.6370E	42	From 2019-10-16
Sunnyside	E07A	Washington,U.S.A.	46.5585N	119.8548W	561	From 2006-08-29 to 2008-12-03
Sunnyside	SUN	Utah,U.S.A.	39.6167N	110.4000W		
Sunnyside Mine	SMU	Utah,U.S.A.	39.6000N	110.3820W	1981	From 1962-01-01 to 1968-12-31
Sunnyside Ranch, Fairfax	H35A	Minnesota,U.S.A.	44.6985N	94.8311W	345	From 2010-09-26 to 2012-09-10
Sunnyvale, CA	BKSVL	California	37.3773N	122.0403W	32	From 2015-05-01
Sunol Dilatometer	CSU1	California,U.S.A.	37.6430N	121.9402W	499	
Sunset Crater	SCN	Arizona,U.S.A.	35.3689N	111.5430W	2111	From 1970-07-20
Sunset Lake	SSL	Pennsylvania,U.S.A.	41.1612N	74.9160W	259	From 1973-02-13 to 1976-05-31
Sunset Peak	SSK	California,U.S.A.	34.2107N	117.6930W	1683	
Sunshine	SSH	Alaska,U.S.A.	62.1667N	150.0780W	100	From 1971-08-01 to 1972-09-30
Sunshine Farm, Cogan Station	M57A	Pennsylvania,U.S.A.	41.3372N	77.1280W	319	From 2013-08-30
Sunshine Point	SNH	Alaska,U.S.A.	60.1800N	142.8380W	732	
Sunshine Ranch, Edgemont	J25A	South Dakota,U.S.A.	43.3901N	103.8026W	1220	From 2009-06-06 to 2011-05-10
SUP3	SUP3	Ecuador	0.7600N	79.9280W	3287	
SUP5	SUP5	Ecuador	0.7160N	79.5350W	3325	
SUP6	SUP6	Ecuador	0.7998N	79.7000W	3285	
Superstition Mountain	SMTC	California,U.S.A.	32.9489N	115.7203W	3	
Superstition Mountain	SUP	California,U.S.A.	32.9552N	115.8240W	220	From 1973-04-16
Superstition Mountain	SU2	California	32.9400N	115.8000W	153	
Suratani	SURT	Thailand	8.9577N	98.7950E	26	
Surathani	SURA	Thailand	9.1663N	99.6295E	-5	
Surbourg	SUBF	Alsace,France	48.9156N	7.8481E	68	From 2009-06-01
Surbourg	SRBF	Alsace,France	48.9147N	7.8522E	200	
Surduc	SDR	Romania	45.4889N	26.3831E	720	
Surduc	SURR	Romania	45.7540N	22.1246E	239	From 2016-11-10
Surhuizum	SUH3	Netherlands	53.2113N	6.2110E	-39	From 2009-08-26
Surhuizum	SUH1	Netherlands	53.2113N	6.2110E	21	From 2009-08-26
Surhuizum	SUH2	Netherlands	53.2113N	6.2110E	-9	From 2009-08-26
Surhuizum	SUH4	Netherlands	53.2113N	6.2110E	-69	From 2009-08-26
Surigao	SCPH	Mindanao,Philippines	9.7820N	125.4890E	49	
Surrey Hills	SHYM	Victoria,Australia	37.8260S	145.1100E	100	
Sur Rio San Juan del Rio Coco	RCPN	Nicaragua	13.5260N	86.0940W	1069	From 2000-01-01
Surry	T60A	Virginia,U.S.A.	37.1397N	76.7349W	11	From 2013-03-19
Survey Creek	SURV	British Columbia,Canada	53.4033N	132.1250W	186	
Survey Mountain	SYMB	British Columbia,Canada	48.5593N	123.7989W	945	From 2016-09-19
Surveyors Ice Cave, Newberry	SVIC	Oregon,U.S.A.	43.6431N	121.2533W	1766	From 2012-01-01
Susaki	SUS	Shizuoka,Japan	34.6667N	138.9830E	3	
Susana Heights	SHMP	Philippines	14.3820N	121.0230E	80	
Susan B. English School	SBEA	Alaska,U.S.A.	59.4423N	151.7123W		
Susara	SSA	Romania	44.8633N	21.7433E	400	
Susara	SSR	Romania	44.8633N	21.7433E	400	
Susedel - Ecuador	SUSE2	Ecuador	3.4065S	79.2309W	2677	
Susehri	SUSE	Turkey	40.2086N	38.2025E	1586	From 2008-06-25
Susitna	SST	Alaska,U.S.A.	61.4347N	150.7800W	780	From 1971-08-24 to 1972-08-15
Susitna One	SUA	Alaska,U.S.A.	61.4636N	150.7467W	1306	From 1972-08-15
Susitna Watana 1	WAT1	Alaska,U.S.A.	62.8295N	148.5509W	722	From 2012-08-12
Susitna Watana 2	WAT2	Alaska,U.S.A.	62.9628N	148.5855W	1366	From 2012-08-13
Susitna Watana 6	WAT6	Alaska,U.S.A.	62.5808N	147.7400W	1681	From 2013-08-01
Susitna Watana 7	WAT7	Alaska,U.S.A.	62.8331N	148.8476W	1232	From 2013-08-01
Susqueda	SQD	Spain	41.9790N	2.5275E	240	From 1977-01-01
Sussex County Emergency Operations Center	SCOM	Delaware,U.S.A.	39.6957N	75.3627W	12	
Susuman	GRESR	Magadanskaya Oblast',Russia	63.0423N	147.2020E	793	From 2009-10-23
Susuman	SUUS	Magadanskaya Oblast',Russia	62.7786N	148.1672E	640	
Susuman-Seymchan profile, station 01	SS01	Magadanskaya Oblast',Russia	62.8224N	148.4186E	720	From 2004-04-01 to 2004-04-03
Susuman-Seymchan profile, station 02	SS02	Magadanskaya Oblast',Russia	62.7994N	148.8056E	820	
Susuman-Seymchan profile, station 03	SS03	Magadanskaya Oblast',Russia	62.8099N	149.1240E	639	From 2004-04-04 to 2004-04-05
Susuman-Seymchan profile, station 04	SS04	Magadanskaya Oblast',Russia	62.8434N	149.0507E	649	From 2004-04-05 to 2004-04-05
Susuman-Seymchan profile, station 05	SS05	Magadanskaya Oblast',Russia	62.8575N	149.7723E	450	From 2004-04-06 to 2004-04-09
Susuman-Seymchan profile, station 06	SS06	Magadanskaya Oblast',Russia	62.8576N	150.5658E	318	From 2004-04-07 to 2004-04-07
Susuman-Seymchan profile, station 07	SS07	Magadanskaya Oblast',Russia	62.8146N	150.8321E	345	From 2004-04-08 to 2004-04-09
Susuman-Seymchan profile, station 08	SS08	Magadanskaya Oblast',Russia	62.9899N	152.0816E	310	From 2004-04-13 to 2004-04-19
Susuman-Seymchan profile, station 09	SS09	Magadanskaya Oblast',Russia	62.9217N	151.8504E	400	From 2004-04-14 to 2004-04-19
Susuman-Seymchan profile, station 10	SS10	Magadanskaya Oblast',Russia	63.1451N	152.2005E	293	From 2004-04-17 to 2004-04-19
Susundenga, A1030	M1030	Mozambique	19.4219S	33.2916E	628	
Susurluk	SLK	Turkey	39.8711N	28.1450E	147	From 1979-12-01 to 1999-08-25
Susurluk-Balikesir	SUSR	Turkey	39.9627N	28.0835E	359	From 2018-05-02
Susuz Ky, Bolu, Gynk	SUSU	Turkey	40.3396N	30.8438E	929	From 2017-03-15
SUT1	SUE1	Ecuador	0.9988N	79.5590W	3275	
SUT2	SUE2	Ecuador	0.9888N	79.6665W	3289	
SUT3	SUE3	Ecuador	0.9688N	79.7280W	3267	

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
SUT4	SUE4	Ecuador	0.8510N 79.8570W	3283	
Sutcliffe	SC-NV	Nevada,U.S.A.	39.8739N 119.6408W	1341	
Sutcliffe	SC-	Nevada,U.S.A.	39.8739N 119.6408W	1341	
Sutherland	SUR	Cape Province,South Africa	32.3800S 20.8117E	1760	
Sutluce-Isparta	SUTC	Turkey,Turkey	37.4765N 30.9996E	1300	From 2008-04-02
Sutter Butte	SUTB	California,U.S.A.	39.2291N 121.7861W	252	From 2005-05-17 to 2007-09-05
Sutter Buttes	OSUM	California,U.S.A.	39.2712N 121.8520W	67	From 1976-04-01
Sutton Bonington	STBN	England	52.8375N 1.2481W	40	From 2020-02-12
Sutton Inlier	SILO	Ontario,Canada	54.4792N 84.9126W	195	
Suttons Bay	G45A	Michigan,U.S.A.	45.0404N 85.6571W	284	From 2012-11-09
Suttsu	SUT1	Shiribeshi,Japan	42.7933N 140.2283E	33	From 1989-09-22
Suttsu	SUT	Shiribeshi,Japan	42.7900N 140.2400E	16	
Sut uroy	FSD	Faeroe Islands	61.5701N 6.7884W		
Suurupi	SRPE	Estonia	59.4633N 24.3800E	42	
Suva	SVA	Fiji	18.1167S 178.4580E	38	From 1976-07-01
Suva	SUV	Fiji	18.1489S 178.4570E	6	From 1913-01-01 to 1971-06-30
Suvo	SYVR	Buryatiya,Russia	53.6581N 109.9989E	490	
Suwalki	SUW	Poland	54.0125N 23.1808E	152	From 1995-11-05
Suwon	KSSWO	Republic of Korea	37.2669N 126.9669E	56	From 2002-11-06
Suwon	SWO2	Republic of Korea	37.2808N 126.9824E	119	From 2018-03-09
Suzu	JSZ	Ishikawa,Japan	37.4483N 137.3633E	10	
Suzuyama	JSU	Kagoshima,Japan	31.5058N 130.4550E	400	
Suzzara	SUZR	Italy	44.9880N 10.7443E	66	From 2021-02-18
Svangstu Ranch, Noonan	A25A	North Dakota,U.S.A.	48.9388N 103.1128W	584	From 2009-07-24 to 2011-07-22
Svanoeiden	SVAU	Sweden	64.4903N 19.5712E	100	From 2000-09-08
Svartarkot	ISVA	Iceland	65.3370N 17.2550W	403	From 1998-07-27
Svendsen Farm, Lyons	L34A	Nebraska,U.S.A.	41.9666N 96.3762W	424	From 2010-05-31 to 2012-04-25
Sverdlovsk	SVE	Sverdlovskaya Oblast',Russia	56.8270N 60.6370E	275	
Sveta Marina	SMRN	Croatia	45.0361N 14.1548E	17	From 2015-09-24
Svilajnac	SVIS	Serbia	44.2655N 21.2152E	117	From 1997-10-14
Svinoy	FSV	Faeroe Islands	62.2598N 6.3550W		
SW119	SW119	Nevada	37.0250N 116.1458W	1373	From 2017-12-19
SW353	SW353	Nevada	36.8505N 116.3103W	1317	From 2018-05-21
SW435	SW435	Nevada	36.7726N 116.3431W	986	From 2018-04-04
SW511	SW511	Nevada	36.6791N 116.3629W	859	From 2018-04-04
SW522	SW522	Nevada	37.0737N 116.1091W	1312	From 2017-08-17
Swabi-Maira	SWR	Pakistan	34.1303N 72.8498E	489	From 1973-08-23 to 2009-09-20
Swabi Mera	SWM1	Pakistan	34.1300N 72.8490E	462	From 2009-09-20
Swainland Road, Oakland	C004	California,U.S.A.	37.8441N 122.2180W	189	From 2009-03-31
Swain Mountain	SWNM	California	40.4173N 121.1124W	2066	From 2020-05-27
Swamp Creek	SWP	Montana,U.S.A.	48.6068N 114.9850W	1157	From 1971-02-01 to 1976-10-04
Swan Island	SWA	Swan Islands,Honduras	17.4000N 83.9333W		
Swan Lake	C14A	Montana,U.S.A.	47.7687N 113.7468W	1173	From 2006-10-03 to 2009-08-08
Swannanoa School	SWNC	South Island,New Zealand	43.3694S 172.4954E	53	From 2005-02-23
Swan Pond Ditch	SPIN	Indiana,U.S.A.	38.5400N 87.6069W	122	
Swansea	SWAN	New South Wales,Australia	33.0920S 151.6330E	3	From 2007-01-01
Swansea	HSA	Wales,United Kingdom	51.7478N 4.1543W	274	From 1987-01-01
Swansea Heads	SWANH	New South Wales	33.0980S 151.6500E	8	From 2016-12-18
Swanson's Bluff	BSBM	California,U.S.A.	36.7378N 121.2870W	398	From 1975-06-25
Swan View	SWV	Western Australia,Australia	31.8833S 116.0650E	80	
Swanville	F35A	Minnesota,U.S.A.	45.8580N 94.5734W	376	From 2010-09-10 to 2012-07-27
Swartwater, Limpopo	CRAIL	South Africa	22.8025S 28.2430E	981	From 2017-05-31
Swartz Lake	SWMT	Montana,U.S.A.	47.5093N 113.9990W	1297	
Swaziland	SWD	Swaziland	26.4017S 31.7728E		From 1973-03-12 to 1976-03-20
Swaziland	SWL	Swaziland	26.3122S 31.1538E	0	
Sweathouse Lookout Tower, Alberta	SWHSA	Alberta,Canada	54.8994N 116.7518W	913	From 2014-07-30
Sweetgrass	SW-MA	Montana,U.S.A.	48.9689N 111.9628W	1113	From 1965-10-16 to 1966-09-13
Sweetgrass	SW-	Montana,U.S.A.	48.9689N 111.9628W	1113	From 1965-10-16 to 1966-09-13
Sweet Springs	SSOR	Oregon,U.S.A.	44.8560N 122.4600W	1242	From 1991-09-01
Sweetwater, Wamsutter	M20A	Wyoming,U.S.A.	41.4906N 108.1865W	2134	From 2007-11-02 to 2009-10-18
Swindon	SWN1	England,United Kingdom	51.5131N 1.8004W	192	From 1993-01-01
Swingate, Kent	SWG	England,United Kingdom	51.1450N 1.3222E	122	From 2011-02-08 to 2012-04-19
SWIR Dragon Fly vent, OBS02	DF02	Southern Indian Ocean	37.7616S 49.7088E	-3006	
SWIR Dragon Fly vent, OBS03	DF03	Southern Indian Ocean	37.7325S 49.6568E	-3280	
SWIR Dragon Fly vent, OBS04	DF04	Southern Indian Ocean	37.7717S 49.6186E	-3365	
SWIR Dragon Fly vent, OBS05	DF05	Southern Indian Ocean	37.8034S 49.6709E	-2326	
SWIR Dragon Fly vent, OBS06	DF06	Southern Indian Ocean	37.8339S 49.7195E	-1767	
SWIR Dragon Fly vent, OBS07	DF07	Southern Indian Ocean	37.8426S 49.6297E	-2554	
SWIR Dragon Fly vent, OBS08	DF08	Southern Indian Ocean	37.7758S 49.5686E	-3578	
SWIR Dragon Fly vent, OBS09	DF09	Southern Indian Ocean	37.7012S 49.5979E	-2228	
SWIR Dragon Fly vent, OBS10	DF10	Southern Indian Ocean	37.6924S 49.6898E	-2941	
SWIR Dragon Fly vent, OBS13	DF13	Southern Indian Ocean	37.6924S 49.7326E	-1677	
SWIR Dragon Fly vent, OBS14	DF14	Southern Indian Ocean	37.9100S 49.6468E	-1941	
SWIR Dragon Fly vent, OBS15	DF15	Southern Indian Ocean	37.8531S 49.5440E	-3036	
SWIR Dragon Fly vent, OBS16	DF16	Southern Indian Ocean	37.7849S 49.4890E	-3193	
SWIR Dragon Fly vent, OBS17	DF17	Southern Indian Ocean	37.7106S 49.5135E	-2590	
SWIR Dragon Fly vent, OBS20	DF20	Southern Indian Ocean	37.6808S 49.7720E	-2509	
SWIR Dragon Fly vent, OBS21	DF21	Southern Indian Ocean	37.7455S 49.8439E	-2959	
SWIR Dragon Fly vent, OBS22	DF22	Southern Indian Ocean	37.7268S 49.9511E	-2903	
SWIR Dragon Fly vent, OBS23	DF23	Southern Indian Ocean	37.7178S 50.0750E	-2564	
Swisshome	I02D	Oregon,U.S.A.	44.1059N 123.8469W	109	From 2010-08-07
Swisshome, OR	I02E	Oregon,U.S.A.	44.1077N 123.8473W	117	From 2015-10-24 to 2016-09-30
SW of W Deep Rock Rd and N Kings Hwy, Cushing	OK053	Oklahoma,U.S.A.	36.0142N 96.7878W	280	From 2016-11-09 to 2017-03-14
SW Tenn Gill Cnt	GILT	Tennessee,U.S.A.	35.2309N 89.9829W	0	
Sycamore State Park Ohio	SSPO	Ohio	39.8030N 84.3330W	269	From 2019-04-30 to 2500-12-31
Sydney	DNSO	New South Wales,Australia	33.8081S 151.0711E	28	From 2011-07-25
Sydney	SYD	New South Wales,Australia	33.8667S 151.2000E	43	From 1906-01-01 to 1948-12-31
Sydney Hard Rock	SYDH	New South Wales,Australia	33.7619S 150.7417E	63	From 2010-08-01
Sydney Soft Rock	SYDS	New South Wales,Australia	33.9297S 151.2243E	21	From 2010-04-30
Syktyvkar	SYKR	Komi,Russia	61.6464N 50.7325E	159	
Syllakh	SYL	Sakha,Russia	57.1200N 121.8600E	600	From 1989-01-01 to 1989-12-31
Sylvania	156A	Georgia,U.S.A.	32.6542N 81.4950W	40	From 2012-04-05
Syncline Ridge	NYS	Nevada,U.S.A.	37.0325N 116.1690W	1509	From 1971-01-01 to 1973-01-31
Syolatti, Pyhajoki	OBF0	Finland	64.4976N 24.2372E	25	From 2013-04-04
Syowa Base	SYO	Dronning Maud Land	69.0088S 39.5921E	20	
Syros	S039	Greece	37.4570N 24.9490E	146	
Syston	KSY	England,United Kingdom	52.9642N 0.5873W	123	From 1988-01-01
Syuhurei	SYU	Republic of Korea	36.2000N 128.0000E	100	
Szaknyer	A262A	Hungary	46.8642N 16.5276E	240	From 2016-01-27
Szczawa	PL17A	Poland	49.6008N 20.3011E	512	From 2019-11-27
Szczyrk	PL24A	Poland	49.7238N 19.0043E	600	From 2020-01-17
Szeged	SZE	Hungary	46.2483N 20.1414E	82	
Szentllek	HU02A	Hungary	48.1222N 20.5250E	757	From 2019-05-28
Szhu	WSF	Taiwan region	23.6380N 120.2220E	6	
Szokolya	A270A	Hungary	47.8452N 19.0186E	152	From 2016-07-06
T031	T031	Sweden	57.2250N 13.6500E	185	
T034	T034	Sweden	57.3120N 14.3620E	210	
T035	T035	Sweden	57.1640N 14.7850E	180	
T036	T036	Sweden	57.4350N 13.9440E	205	
T037	T037	Sweden	57.3170N 15.0040E	235	
T038	T038	Sweden	57.6720N 13.9700E	280	
T039	T039	Sweden	57.5720N 14.3640E	315	
T043	T043	Sweden	58.0270N 14.7300E	210	
T044	T044	Sweden	58.2500N 14.9060E	140	
T052	T052	Sweden	57.8930N 15.6740E	170	
T053	T053	Sweden	58.0810N 15.4330E	155	
T054	T054	Sweden	58.0540N 15.9300E	160	
T056	T056	Sweden	58.3010N 16.1900E	80	
T057	T057	Sweden	58.4740N 15.9980E	55	
T058	T058	Sweden	58.5970N 15.5740E	95	
T059	T059	Sweden	58.5270N 16.5750E	25	
T061	T061	Sweden	58.9080N 15.6300E	75	
T065	T065	Sweden	55.3470N 13.3610E	8	
T066	T066	Sweden	55.5620N 12.9470E	12	
T067	T067	Sweden	55.5630N 13.5660E	115	
T068	T068	Sweden	55.7650N 12.9230E	4	
T069	T069	Sweden	56.0160N 12.8400E	56	
T070	T070	Sweden	56.0330N 13.6100E	118	
T071	T071	Sweden	56.2450N 12.6510E	18	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
T073	T073	Sweden	56.2190N	13.2270E	110	
T074	T074	Sweden	56.6760N	13.9250E	136	
T075	T075	Sweden	56.7000N	14.5350E	165	
T076	T076	Sweden	56.7280N	13.1600E	95	
T077	T077	Sweden	56.9570N	14.3980E	192	
T10G	T10G	Germany	51.6100N	10.3160E	250	
T11G	T11G	Germany	51.7260N	9.4160E	280	
T12G	T12G	Germany	51.8350N	10.0530E	280	
T13G	T13G	Germany	51.9890N	9.6030E	230	
T14G	T14G	Germany	51.9990N	10.4260E	223	
T14S	T14S	Sweden	56.2590N	13.6230E	140	
T15G	T15G	Germany	52.0620N	10.0150E	185	
T16G	T16G	Germany	52.2370N	9.5220E	305	
T16S	T16S	Sweden	56.4270N	13.2270E	80	
T17G	T17G	Germany	52.2190N	10.2380E	78	
T18G	T18G	Germany	52.5230N	10.4650E	55	
T18S	T18S	Sweden	56.5200N	13.5660E	110	
T19G	T19G	Germany	52.5470N	9.4840E	35	
T1BD	T1BD	Denmark	55.8630N	12.2400E	24	
T1BG	T1BG	Germany	54.0780N	10.4520E	30	
T1MG	T1MG	Germany	54.2120N	10.0710E	36	
T21G	T21G	Germany	52.7060N	9.5700E	25	
T22G	T22G	Germany	52.7540N	10.1190E	65	
T24G	T24G	Germany	52.8990N	9.5870E	60	
T25G	T25G	Germany	53.0710N	10.3400E	70	
T26G	T26G	Germany	52.9590N	12.0310E	33	
T27G	T27G	Germany	54.5720N	13.6580E	100	
T28G	T28G	Germany	54.4740N	13.4690E	28	
T29G	T29G	Germany	54.3140N	13.3560E	25	
T2BD	T2BD	Denmark	55.7030N	11.5480E	8	
T2BG	T2BG	Germany	54.2230N	10.0740E	36	
T2MG	T2MG	Germany	54.1630N	10.4590E	35	
T30G	T30G	Germany	54.1920N	13.1770E	28	
T30S	T30S	Sweden	57.0950N	13.9460E	210	
T31G	T31G	Germany	54.0140N	13.0690E	13	
T32G	T32G	Germany	53.8500N	12.9050E	5	
T33G	T33G	Germany	53.6920N	12.7510E	42	
T34G	T34G	Germany	53.5260N	12.6550E	72	
T35G	T35G	Germany	53.3560N	12.4410E	71	
T36G	T36G	Germany	53.1550N	12.2590E	80	
T37G	T37G	Germany	52.8200N	11.8460E	22	
T38G	T38G	Germany	52.5260N	11.4590E	52	
T39G	T39G	Germany	52.3360N	11.3810E	63	
T3BD	T3BD	Denmark	55.5360N	12.0780E	33	
T3BG	T3BG	Germany	54.3280N	10.5470E	100	
T3MG	T3MG	Germany	54.4460N	10.0600E	30	
T40G	T40G	Germany	52.2410N	11.2860E	110	
T40S	T40S	Sweden	57.5810N	15.0390E	300	
T41G	T41G	Germany	52.0860N	11.1190E	102	
T41S	T41S	Sweden	57.8370N	15.1650E	300	
T42G	T42G	Germany	51.8720N	10.9110E	160	
T42S	T42S	Sweden	57.7610N	14.6640E	300	
T43G	T43G	Germany	51.6880N	10.7890E	450	
T45G	T45G	Germany	53.2190N	10.6530E	60	
T46G	T46G	Germany	53.2620N	9.9840E	110	
T48G	T48G	Germany	54.0120N	10.0120E	60	
T49G	T49G	Germany	53.8320N	9.7680E	30	
T4BD	T4BD	Denmark	55.2190N	11.5950E	20	
T4BG	T4BG	Germany	53.1350N	9.8000E	80	
T50G	T50G	Germany	52.1020N	9.1900E	270	
T51G	T51G	Germany	52.0690N	8.3700E	305	
T52G	T52G	Germany	51.7680N	7.8200E	80	
T53G	T53G	Germany	52.8940N	11.1420E	18	
T54G	T54G	Germany	53.7470N	11.3440E	65	
T55G	T55G	Germany	53.9270N	11.1530E	55	
T5BD	T5BD	Denmark	54.8860N	11.8150E	12	
T5BG	T5BG	Germany	53.1880N	9.3360E	30	
T5 Ranch, Ellsworth	L27A	Nebraska,U.S.A.	42.0837N	102.3154W	1186	From 2008-11-23 to 2010-10-05
T60G	T60G	Germany	53.6780N	12.2290E	50	
T60S	T60S	Sweden	58.7580N	15.9430E	200	
T61G	T61G	Germany	54.1700N	12.3430E	30	
T6BD	T6BD	Denmark	54.8870N	11.2550E	8	
T6BG	T6BG	Germany	53.3800N	9.5950E	50	
T6MG	T6MG	Germany	54.4870N	11.0140E	2	
T7BD	T7BD	Denmark	56.4560N	9.1670E	25	
T7BG	T7BG	Germany	52.2590N	8.5570E	188	
T7MG	T7MG	Germany	54.4290N	11.2290E	15	
T801	T801	Denmark	55.5830N	11.3590E	57	
T802	T802	Denmark	55.3920N	11.8030E	45	
T803	T803	Denmark	55.3230N	12.2760E	19	
T804	T804	Denmark	55.3220N	11.3400E	31	
T805	T805	Denmark	55.1080N	11.9860E	15	
T806	T806	Denmark	54.8060N	12.0360E	11	
T807	T807	Denmark	54.7550N	11.2230E	1	
T808	T808	Denmark	54.6880N	11.6410E	16	
T809	T809	Denmark	54.8040N	10.7200E	15	
T810	T810	Denmark	55.0710N	10.8870E	20	
T811	T811	Denmark	55.6800N	12.4290E	13	
T812	T812	Denmark	56.0080N	12.4750E	30	
T813	T813	Denmark	55.8000N	11.9390E	34	
T814	T814	Denmark	55.5730N	11.7060E	38	
T815	T815	Denmark	54.9890N	12.5050E	83	
T816	T816	Denmark	54.5880N	11.9430E	2	
T817	T817	Denmark	54.8010N	11.5200E	5	
T818	T818	Denmark	55.0070N	10.5870E	11	
T819	T819	Denmark	55.1900N	10.7680E	35	
T820	T820	Denmark	55.4510N	11.2340E	11	
T897	T897	Sweden	58.3800N	12.5090E	52	
T898	T898	Sweden	57.0680N	13.4850E	163	
T899	T899	Denmark	55.7560N	13.2350E	61	
T8MG	T8MG	Germany	54.2210N	10.8850E	30	
T998	T998	Denmark	56.0120N	12.4790E	24	
T999	T999	Denmark	56.0670N	12.2330E	19	
T9BG	T9BG	Germany	52.7230N	11.4790E	85	
TA2, Sparta	U55A	North Carolina,U.S.A.	36.5023N	81.0472W	863	From 2013-02-21
Taal Volcano	CALP	Luzon,Philippines	13.9990N	121.0090E		
Tabacon	TABAC	Costa Rica,Costa Rica	10.4985N	84.7672W	819	
Tabaga	TBGR	Sakha,Russia	61.8210N	129.6370E	100	From 2003-06-24
Tabalakh	TBK	Sakha,Russia	67.5380N	136.5220E	200	From 1980-07-01 to 1995-02-01
Tabas	TABS	Iran	33.6490N	57.1190E	1106	From 2008-09-10
Tabasco	LJS	Tabasco,Mexico	17.9930N	93.4880W		
Tabas_ShorAb	TSHB	Iran	33.6912N	56.4676E	1056	From 2020-06-05
Tabas- Tapeh tagh	TAPT	Iran	34.8842N	57.1597E	1251	From 2018-06-25
Tabat	TBTR	Krasnoyarskiy Kray,Russia	52.9291N	90.7201E	518	From 2005-05-27
Tabatinga, AM	TBTG	Amazonas,Brazil	4.1868S	69.9090W	91	From 2014-08-31
Tabele	TBL	Papua New Guinea	4.1013S	145.0120E	180	From 1964-01-01
Tabernacle	TABN	New Jersey,U.S.A.	39.8642N	74.6628W	31	From 1977-06-17 to 1978-08-31
Tabernacle Mountain	TABB	British Columbia,Canada	51.7500N	117.7620W	2469	From 1972-10-18 to 1999-08-25
Table Mountain	TMC	California,U.S.A.	34.3750N	117.6930W	2180	
Table Mountain	OTBM	California,U.S.A.	39.5457N	121.5610W	219	From 1975-09-06
Table Mountain	TABL	Alaska,U.S.A.	60.4403N	141.1423W	2050	
Table Mountain	TBM	Washington,U.S.A.	47.1695N	120.5980W	1064	
Table Rock	TBR	New York,U.S.A.	41.1417N	74.2222W	261	From 1975-07-01
Table Rock, Ramapo, NY	TRNY	New York,U.S.A.	41.1450N	74.2244W	270	From 2014-09-04
Tablon, Guarco	TBLN	Costa Rica	9.8237N	83.9993W	1596	From 2012-09-18
Taboga, Panama	TABO3	Panama	8.7940N	79.5540W	9	From 2010-01-01
Tabor	N35A	Iowa,U.S.A.	40.8612N	95.6425W	353	From 2010-05-15 to 2012-04-21
Tabriz	ITBZ	Iran	38.2333N	46.1470E	1650	From 1995-08-01
Tabriz	TAB	Iran	38.0675N	46.3267E	1430	From 1965-08-10

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Tabriz	TABZ	Iran	38.0568N 46.3266E	1487	
Tabriz	TAB1	Iran	38.0475N 46.3323E	1570	From 2016-01-02
Tabubil	TABU	Papua New Guinea	5.2690S 141.2228E	544	From 2013-03-27
Tabubil	TZZ	Papua New Guinea	5.2681S 141.2210E	700	From 1977-11-16
Tabubil	OKTD	Papua New Guinea	5.3484S 141.2917E	518	From 1994-01-01
Tabuk	TBKS	Saudi Arabia	28.2200N 36.5400E	295	
Tabuk City, Kalinga	TCKP	Philippines	17.3722N 121.5477E	210	
Taburiente	TBT	Canary Islands,Spain	28.6794N 17.9145W	180	From 1974-11-01
TACA	TACA	Bolivia	18.8279S 66.7331W	3810	From 1994-05-30 to 1995-08-09
Tacachico	TACO	El Salvador	13.9703N 89.3539W	355	From 2014-06-02
Tacana	TCG	Guatemala	15.1228N 92.0858W	3100	From 1986-07-01
Tacaratu-PE	NBTA	Pernambuco,Brazil	9.1218S 38.0632W	348	From 2011-07-27
Tacares	TCSO	Costa Rica	10.0420N 83.3000W	889	
Tacares	TCS1	Costa Rica,Costa Rica	10.0420N 84.2998W	889	
Tcata	TACV	Venezuela	10.1381N 67.0267W	546	From 2014-12-09
Ta-ch'eng	WTCT	Taiwan region	23.8640N 120.2810E	4	
Tachien	TWT	Taiwan region	24.2533N 121.1758E	1510	From 1973-10-04
Tacoma Substation	TBPA	Washington,U.S.A.	47.2581N 122.3669W	2	
Tacoron (Frontera - El Hierro)	CTAC	Canary Islands	27.6748N 18.0205W	165	From 2018-07-04
Tacuaremb	TBOT	Uruguay	31.6831S 55.9375W	0	From 2017-01-11
Tacubaya	TAC	Mexico D.F.,Mexico	19.4050N 99.1936W	2297	
Tadjoura	TDJ	Djibouti	11.7955N 42.8888E	60	From 1972-04-01 to 1979-08-31
Tadjoura Ara	TDD	Djibouti	11.8037N 42.9070E	110	From 1979-09-01
Tadmit	ADJF	Algeria,Algeria	34.2150N 3.0980E	1026	
Tadong	GTK	Sikkim,India	27.3191N 88.6019E	1305	
Tadotsu	TAD	Kagawa,Japan	34.2833N 133.7670E	4	
Tadoussac	TADQ	Quebec,Canada	48.1437N 69.7184W	46	From 1979-05-24
Taean	TANB	Republic of Korea	36.6731N 126.1353E	-50	From 2016-12-16
Taebaek	KSTBA	Republic of Korea	37.1226N 128.9523E	802	From 2006-12-30
Taegu	TAE	Republic of Korea	35.8667N 128.6000E	50	
Taeha	TAHA	Republic of Korea	37.5150N 130.8118E	191	From 2018-03-09
Taejon	TJN	Republic of Korea	36.3772N 127.3638E	60	
Tafers	STAF	Switzerland	46.8052N 7.2161E	650	From 2008-04-16
Taforalt	TAF	Morocco	34.8142N 2.4142W	820	From 1972-11-01
Tafoughalt	TFLT	Morocco	34.8100N 2.4110W	875	
Tafraoute city	TFR	Algeria	29.6100N 8.9460E	1800	
Taft	TF-CL	California,U.S.A.	35.1636N 119.9675W	793	From 1962-05-23 to 1965-11-13
Taft	TF-	California,U.S.A.	35.1636N 119.9675W	793	From 1962-05-23 to 1965-11-13
Taft - Yazd	TAFT	Iran	31.7228N 54.1711E	2035	From 2016-12-12
Taga	JTG	Shiga,Japan	35.1867N 136.3217E	160	
Tagagawik	G18K	Alaska,U.S.A.	65.8950N 158.6540W	484	From 2017-06-15
Tagaytay City	TGY	Luzon,Philippines	14.1022N 120.9367E	600	From 1991-01-01
Tagbilaran	TBP	Cebu,Philippines	9.6910N 123.8620E	120	
Tagebau Bergheim	BD02	Nordrhein-Westfalen,Germany	50.9679N 6.6743E	115	From 2001-01-01 to 2007-08-29
Taghalsar	ITAG	Iceland	64.8670N 23.7324W	335	From 2020-09-24
Taghat	TGT	Morocco	34.0700N 5.0550W	820	From 1993-01-01
Taghi Ghambar	TGI	Iran	32.9633N 59.1933E	1800	From 1975-05-01
TAGU	TAGU	Costa Rica	9.0152N 83.5877W	24	From 1999-09-16 to 1999-11-25
Tahileleki, Niue, NIUE	NIUS	Niue	18.9794S 169.8764W	67	
Tahiti	TAH	Tahiti,French Polynesia	17.7333S 149.3000W		
TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	TAHP	Tahiti,French Polynesia	17.7493S 149.2958W	117	From 2000-03-11
Tahkenitch	TAKO	Oregon,U.S.A.	43.7435N 124.0812W	46	
Tahoe	TAHR	California,U.S.A.	39.1515N 120.1630W	2079	
Taholah School, Taholah	TAHO	Washington,U.S.A.	47.3444N 124.2875W	6	From 2015-04-01
Tahsis	TAHB	British Columbia,Canada	49.8925N 126.6770W	455	From 2019-06-28
Tahtakopru-Hatay	TAHT	Turkey	36.3757N 36.1852E	266	From 2009-10-19
Tahuroa Road	TOZ	North Island,New Zealand	37.7309S 175.5019E	85	From 1998-10-15
Taian	SANB	Taiwan region	24.3978N 120.9858E	1354	From 2005-04-20
Tai'an	TIA	Shandong,China	36.2114N 117.1240E	300	
Taichung	TCU	Taiwan region	24.1475N 120.6760E	84	
Taichung City	WHP	Taiwan region	24.2777N 120.9458E	832	From 2013-03-18
Taichung City	WWCA	Taiwan region	24.2563N 120.5232E	8	
Taichung Port	TCUP	Taiwan region	24.2560N 120.5230E	0	From 2001-04-10
Taieri Mouth Beach School	TMBS	South Island,New Zealand	46.0718S 170.1957E	16	From 2002-06-09
Taif	TAF1	Saudi Arabia	21.2830N 40.3500E	2500	From 1995-04-01
Taihape Hospital	THHS	North Island,New Zealand	39.6800S 175.7956E	459	From 2007-02-01
Tailep, Kuzbass, Russia	TAIL	Kemerovskaya Oblast'	53.4481N 87.1971E	245	From 2015-12-25
Taimali	ECL	Taiwan region	22.5970N 120.9540E	70	
Taimylyr	TML	Sakha,Russia	72.6100N 121.9200E	60	From 1986-01-01 to 1996-10-01
Tainan	TAI	Taiwan region	22.9952N 120.1970E	14	
Tainan City	TAI2	Taiwan region	22.9870N 120.2100E	30	From 1999-08-04
Tainan City	SNST	Taiwan region	23.2198N 120.4973E	156	From 2013-01-18
Tainan City	SHHT	Taiwan region	23.0213N 120.3479E	86	From 2015-12-04
Taipa Grande	MCO	Macao,China	22.1219N 113.5580E	80	
Taipei	NHY	Taiwan region	25.0393N 121.5693E	37	From 2014-12-11
Taipei	TAP1	Taiwan region	25.0390N 121.5230E	-80	
Taipei	TAP	Taiwan region	25.0393N 121.5060E	6	
Taipei	TATO	Taiwan region	24.9754N 121.4880E	53	From 1976-05-13
Taisha	TAIS	Ecuador	2.3804S 77.4997W	442	From 2012-11-16
Taita Central School	TAIT	North Island,New Zealand	41.1804S 174.9548E	18	From 2011-06-14
Taitung	TTN	Taiwan region	22.7540N 121.1470E	9	
Taivalkoski	KU2	Finland	65.7096N 28.2300E	290	From 2003-11-05
Taiyuan	TIY	Shanxi,China	37.7131N 112.4340E	850	
Taiyuan	TYN	Shanxi,China	37.7867N 112.5900E		
Ta`izz	TAIZ	Yemen	13.5680N 44.0470E	0	
Tajo	CVTV	Costa Rica,Costa Rica	10.0042N 83.7493W	2561	
Tajo	VTCG	Costa Rica,Costa Rica	10.0147N 83.7587W	3136	
Takachiho West	KV11	Kagoshima,Japan	31.8839N 130.8989E	980	
Takada	TKJ	Niigata,Japan	37.1280N 138.2100E	40	From 1971-01-01
Takada	TKD	Niigata,Japan	37.1050N 138.2500E	15	
Taka-dake	TAKK	Kumamoto,Japan	32.8787N 131.1015E	1450	
Takaka	TAK	South Island,New Zealand	40.8499S 172.8044E	8	From 1931-01-01 to 1968-11-30
Takaka Hill	TKNZ	South Island	41.0335S 172.9605E	422	From 2014-06-18
Takaka Scotts Farm	TSFS	South Island,New Zealand	40.8494S 172.8211E	32	From 2002-10-10
Takamatsu	TKM	Kagawa,Japan	34.3150N 134.0567E	10	
Takane	TKN	Gifu,Japan	35.9824N 137.5122E	1310	
Takapari Road	TSZ	North Island,New Zealand	40.0585S 175.9612E	531	From 2004-01-26
Takarajima	JTAJ	Ryukyu Islands,Japan	29.1532N 129.2030E	35	From 2010-02-01
Takato	JNT	Yamanashi,Japan	35.8750N 138.1380E	1180	From 1995-04-01
Takayama	TAKN	Gifu,Japan	36.1328N 137.1842E	700	
Takayama	TKY	Gifu,Japan	36.1533N 137.2567E	560	
Takayasuyama	TKU	Osaka,Japan	34.6117N 135.6600E	472	
Takazaki	JTZ	Miyazaki,Japan	31.9012N 131.0880E	170	
Takazawasan	TKZ	Gifu,Japan	35.5430N 136.9754E	260	
Take-yama	TKE	Kanagawa,Japan	35.2170N 139.6669E	112	
Takhtakupir	THTP	Uzbekistan	43.0327N 60.2965E	59	
Takhtoyamsk	TTY	Magadanskaya Oblast',Russia	60.2020N 154.6790E	11	From 1987-09-01 to 1993-06-01
Taksebt	ATKB	Algeria,Algeria	36.6732N 4.1214E	174	
Talacogon, Agusan del Sur	TASP	Mindanao	8.4520N 125.8080E	114	From 2016-08-04
Talagante	TACH	Santiago,Chile	33.6532S 70.9376W	440	From 1982-01-01
Talagante	MT09	Metropolitana	33.7762S 70.9887W	1371	From 2014-10-15
Talang	TLN	Sumatera,Indonesia	1.0000S 100.5000E		
Tala Pozo	TPA	Santiago del Estero,Argentina	27.8217S 64.2450W	177	
Talara	TAL	Peru	4.6317S 81.3067W	40	
Talasea	TLS	New Britain,Papua New Guinea	5.3097S 150.0450E	40	From 1972-09-01
Talawar	TLWR	India	31.9560N 75.9559E	480	From 2017-12-21
Talaya	TLAR	Magadanskaya Oblast',Russia	61.1297N 152.3978E	730	
Talaya	TLY	Irkutskaya Oblast',Russia	51.6807N 103.6438E	579	
Talbingo	TAO	New South Wales,Australia	35.6109S 148.2890E	570	From 1969-01-01
Talbot Arm	YUK4	Yukon Territory,Canada	61.3448N 138.6462W	2009	From 2010-08-29
Talbot Brook	WA3	Western Australia,Australia	32.0517S 116.6430E	276	From 1973-01-01
Talca	TALC	Maule,Chile	35.3980S 71.6340W	90	
Talchebab	TCHB	Syria	32.6692N 35.9688E	458	From 1995-02-01
Talcott Mountain	TMT	Connecticut,U.S.A.	41.8114N 72.7989W	290	From 1972-01-07 to 1977-06-10
Taldyqorghan	TDK	Kazakhstan	45.0020N 78.4060E	540	From 1975-04-20
Talgar	AA2	Kazakhstan	43.2300N 77.2300E		
Talgar	TLG	Kazakhstan	43.2300N 77.2300E	850	From 1994-07-27
Talgar	AAB	Kazakhstan	43.2330N 77.2250E	1120	From 1961-08-31 to 1998-01-01
Talibon, Bohol	TABP	Philippines	10.0910N 124.3320E	10	From 2016-03-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Taliwang, Sumbawa	TWSI	Sumba,Indonesia	8.7381S	116.8821E	86	From 2008-12-01
Talkeetna Mountains	TLK	Alaska,U.S.A.	62.4938N	147.8780W	1719	From 1974-07-10 to 1975-11-11
Talkin	BTA	England,United Kingdom	54.9057N	2.6844W	279	
Talladega	TDA	Alabama,U.S.A.	33.5417N	86.0247W	181	
Tallapoosa	TOPM	Missouri,U.S.A.	36.5259N	89.8885W	80	
Tallapoosa	TPMO	Missouri,U.S.A.	36.5400N	89.8520W	83	
Tallong	TLNG	New South Wales,Australia	34.7152S	150.0846E	600	From 2011-02-17
Tallowa	TALM	New South Wales,Australia	34.7709S	150.3809E	290	
Tallowa Pump Stn	TALL	New South Wales,Australia	34.7334S	150.4615E	68	
Tall Timber Ranch, Leavenworth	C06A	Washington,U.S.A.	47.9230N	120.8944W	594	From 2006-09-13 to 2008-05-16
Talmassons	TLI	Italy	45.9217N	13.1019E	-49	From 1985-11-27
Talon	TONS	Magadanskaya Oblast',Russia	59.7570N	148.6610E	20	From 2001-01-01 to 2001-02-28
Talon	TLON	Magadanskaya Oblast'	59.7570N	148.6570E	18	From 2016-10-04
Taloyoak	SBNU	Nunavut,Canada	69.5405N	93.5571W	78	
Talpa de Allende	ESTA	Jalisco	20.3938N	104.8477W	1226	
Talsperre Zeulenoda	ZEU	Thuringen,Germany	50.6707N	11.9771E	346	From 2012-10-01
Tal'yany, Baikal	TANS	Irkutskaya Oblast',Russia	52.2000N	103.3000E	600	
Tal-Yuryakh	TURS	Magadanskaya Oblast',Russia	63.3070N	146.6340E	900	From 2001-03-01 to 2001-06-30
Tal-Yuryakh Coal Mine	SS62	Magadanskaya Oblast',Russia	63.3281N	146.2810E	940	From 2009-08-19
Tamagu	JJT	Ryukyu Islands,Japan	26.1495N	127.7667E	188	
Tamagusuku 2	JJT2	Ryukyu Islands,Japan	26.1423N	127.7468E	200	
Tamagusuku3	JJT3	Ryukyu Islands,Japan	26.1437N	127.7837E	138	From 2012-03-22
Tamana	JTA	Kumamoto,Japan	32.9637N	130.5328E	230	
Tamanrasset	TAM	Algeria	22.7917N	5.5233E	1395	From 1948-01-01
Tamanskiy	TMNR	Krasnodarskiy Kray	45.1550N	36.7850E	14	From 2018-10-11
Tamaro	TMA	Switzerland	46.1060N	8.8730E	1700	From 1981-01-01 to 2002-01-02
Tamasi	PKS9	Hungary	46.5870N	18.2789E	240	
Tambak Boyo	TBJI	Jawa,Indonesia	6.8179S	111.8481E	0	From 2007-12-01
Tambalato	VTAMB	Vanuatu	15.4679S	167.0714E	227	
Tambo	TAMB	Ecuador	0.6942S	78.3680W	4160	From 1990-08-10
Tambohuasha Chimborazo	TAMH	Ecuador	1.5430S	78.7800W	3674	From 2012-07-17
Tambo Quemado	BB04	Bolivia	18.2787S	69.0062W	4420	From 2012-01-20
Tam Dao	TDV	Vietnam	21.4647N	105.6457E	1200	
Tamdy-Bulak	TMD	Uzbekistan	41.7500N	64.6400E	273	
Tame, Arauca	TAMC	Colombia	6.4355N	71.7913W	457	From 2012-06-01
Tamenglong	TAME	Manipur	24.9790N	93.4850E	1181	
Tamitsa	TMCR	Arkhangel'skaya Oblast',Russia	64.1643N	38.0352E	23	From 2003-11-28
Tamokra	CTCHA	Algeria	36.4299N	4.6512E	314	
Tampere, Finland	TRE01	Finland	61.5434N	23.9461E	101	From 2021-04-29
Tampico	TMX	Tamaulipas,Mexico	22.2550N	97.8506W	21	
Tamra	TAMR	Tunisia	37.0469N	9.1091E	93	From 2010-01-10 to 2018-04-01
TAMSEIS 9900, AN1	TAMA1	Victoria Land	77.2432S	166.3725E	61	
TAMSEIS 9900, AN2	TAMA2	Victoria Land	77.0352S	163.1808E	10	
TAMSEIS 9900, AN3	TAMA3	Victoria Land	77.1150S	161.5317E	540	
TAMSEIS 9900, AN4	TAMA4	Victoria Land	77.4371S	163.8019E	10	
TAMSEIS 9900, AN5	TAMA5	Victoria Land	77.6986S	163.9118E	5	
TAMSEIS 9900, AN6	TAMA6	Victoria Land	77.4536S	162.6519E	390	
TAMSEIS 9900, AN7	TAMA7	Victoria Land	77.5296S	160.9227E	830	
TAMSEIS 9900, AN8	TAMA8	Victoria Land	77.5494S	160.2731E	1700	
TAMSEIS 9900, AN9	TAMA9	Victoria Land	77.9553S	162.1301E	1455	
Tamworth	I62A	New Hampshire,U.S.A.	43.8743N	71.3359W	264	From 2013-09-07
Tanabenakahechi	JTNC	Wakayama,Japan	33.8185N	135.6108E	337	From 2011-11-01
Tanabu	TNB	Aomori,Japan	41.2833N	141.2170E		
Tanaga Cape Sajaka	TACS	Alaska,U.S.A.	51.8632N	178.1394W	918	
Tanaga Falls Point	TAFP	Alaska,U.S.A.	51.9001N	177.9833W	440	
Tanaga Flats	TAFL	Alaska,U.S.A.	51.7566N	177.8978W	186	
Tanaga North	TANO	Alaska,U.S.A.	51.9157N	178.1208W	269	
Tanaga Point Aries	TAPA	Alaska,U.S.A.	51.8155N	177.8128W	640	
Tanaga Southeast	TASE	Alaska,U.S.A.	51.8350N	178.0370W	682	
Tana Glacier	TGL	Alaska,U.S.A.	60.7558N	142.8300W	1234	From 1988-07-01
Tanaharon	THRI	Bali,Indonesia	8.3694S	115.5430E	1000	
Tanaka	TKA	New Britain,Papua New Guinea	4.3449S	152.1780E	365	
Tanana	TNN	Alaska,U.S.A.	65.2567N	151.9120W	504	
Tanana	I21K	Alaska,U.S.A.	65.1800N	151.9822W	248	From 2015-05-31
Tananarive	TAN	Madagascar	18.9169S	47.5519E	1375	From 1973-01-01
Tana Toraja	TTSI	Sulawesi,Indonesia	3.0451S	119.8190E	0	From 2007-12-01
Tanbara	JET	Ehime,Japan	33.7788N	133.0487E	410	
Tandag City	TSSP	Mindanao	9.0435N	126.2000E	71	
Tanegashima	TAJ	Ryukyu Islands,Japan	30.7367N	130.9933E	17	From 1970-07-01
Tanegashima 2	TAJ2	Ryukyu Islands,Japan	30.6350N	130.9800E	280	From 1984-08-01
Tanegashima 3	JTN	Ryukyu Islands,Japan	30.6543N	130.9797E	240	
Tanete Lipujang	TANI	Sulawesi,Indonesia	3.4361S	119.3830E	230	
Tangerang	TNG	Jawa,Indonesia	6.1717S	106.6462E	14	
Tangissart	TGA	Belgium	50.6046N	4.5223E	97	From 2018-10-09
Tangkuban Prahu	TPJ	Jawa,Indonesia	6.7667S	107.6000E		From 1969-01-01 to 1999-08-25
Tangse, Aceh	TPSI	Indonesia	4.9232N	96.0170E	54	From 2019-01-01
Tanjungpandan	TPI	Sumatera,Indonesia	2.7563S	107.6534E	25	
Tanjung Pinang	TPRI	Sumatera,Indonesia	0.9184N	104.5263E	41	From 2005-01-01
Tanjung Raya, Sumatera Barat	TASI	Indonesia	0.3241S	100.0791E	25	From 2019-01-01
Tanjungsiang, Jawa Barat	TSJM	Indonesia	6.7319S	107.8109E	420	From 2019-01-01
Tanmial	VESPI	Vanuatu	15.9737S	167.1919E	35	
Tanna	TANV	Vanuatu	19.5326S	169.2795E	100	
Tannan	TNJ	Kyoto,Japan	35.0314N	135.2136E	310	
Tannehill State Park	TSAL	Alabama,U.S.A.	33.2561N	87.0675W	180	
Tannenbergsthal	TANN	Sachsen,Germany	50.4149N	12.4616E	836	From 2000-12-19
Tanohata	JTH	Iwate,Japan	39.9387N	141.8637E	200	
Tano Tombangan Angkola, Sumatera Utara	TTSM	Indonesia	1.0856N	99.4108E	173	From 2019-01-01
Tantan	TANT	Morocco	28.4070N	11.2340W	281	
Tanti	TCA	Cordoba,Argentina	31.3370S	64.5954W	1035	From 1980-01-03
Tanto	TTOK	Hyogo,Japan	35.5065N	134.9772E	190	
Tanzanite One Mining	SIMG	Tanzania,United Republic of Tanzania	3.5623S	37.0257E	1092	
tAoh Zraii Njik	G30M	Yukon Territory,Canada	66.9808N	136.2216W	739	From 2016-08-24
Taopa, Sulawesi Tengah	TPCI	Indonesia	0.4675N	121.0993E	13	From 2019-01-01
Taoyuan	NTY	Taiwan region	24.9997N	121.2976E	94	From 2014-12-29
Taoyuan	STYH	Taiwan region	23.1704N	120.7757E	5	From 2015-02-06
Tapachula	TLA	Chiapas,Mexico	15.0289N	92.2000W		
Tapachula	TPX	Chiapas,Mexico	14.9050N	92.2611W	150	From 1984-01-01
Tapar	TAPR	Gujarat,India	23.2090N	69.6635E	120	From 2012-01-01
Tapias, MORA	CMORA	Colombia	4.4632N	75.3678W	2280	
Tapihue Array	GA0S	Maule	33.2757S	71.2770W	325	
Tapihue Array	GA3S	Maule	33.2765S	71.2752W	330	
Tapihue Array	GA4S	Maule	33.2742S	71.2758W	322	
Tapihue Array	GA2S	Maule	33.2772S	71.2782W	326	
Tapihue Array	GA1S	Maule	33.2747S	71.2788W	319	
Tapini	TPN	Papua New Guinea	8.3569S	146.9840E	989	
Taplejung	TAPN	Nepal	27.3500N	87.7100E	2530	From 1994-04-01
Tapovan	TPVN	Himachal Pradesh,India	30.4964N	79.6113E	2110	From 2007-05-01
TAPS Pump St10	PS10	Alaska,U.S.A.	63.4233N	145.7684W	732	
TAPS Pump St11	PS11	Alaska,U.S.A.	62.0793N	145.4730W	377	
TAPS Pump St12	PS12	Alaska,U.S.A.	61.4754N	145.1438W	568	
TAPS Pump Stn	PS01	Alaska,U.S.A.	70.2582N	148.6108W	2	
TAPS Pump Stn4	PS04	Alaska,U.S.A.	68.4218N	149.3538W	851	
TAPS Pump Stn5	PS05	Alaska,U.S.A.	66.8114N	150.6619W	331	
TAPS Pump Stn6	PS06	Alaska,U.S.A.	65.8549N	149.7344W	280	
TAPS Pump Stn7	PS07	Alaska,U.S.A.	65.3106N	148.2791W	290	
TAPS Pump Stn8	PS08	Alaska,U.S.A.	64.5426N	146.8196W	320	
TAPS Pump Stn9	PS09	Alaska,U.S.A.	63.9303N	145.7659W	478	
TAPS TI Valdez	VMT	Alaska,U.S.A.	61.0832N	146.3673W	60	
Ta-pu	TPUB	Taiwan region	23.3005N	120.6296E	370	
Ta-pu	WTP	Taiwan region	23.2460N	120.6140E	560	
Tara	ETA	Ireland	52.6958N	6.2100W	140	From 1982-03-01
Taradale	TRZ	North Island,New Zealand	39.5515S	176.8215E	17	From 1969-03-20 to 1988-05-25
Taradale Trig	TTH	North Island,New Zealand	39.5395S	176.8264E	120	From 1987-03-19 to 2003-07-26
Tarade	TAG	Guadeloupe,France	16.0420N	61.6642W	1182	
Taragay, Kyrgyzstan	TARG	Kyrgyzstan	41.7291N	77.8048E	3528	From 2008-08-14
Tara Hills	THP	South Island,New Zealand	44.5433S	169.8881E	760	From 1975-06-18 to 1984-01-22
Tarakan	TARAI	Kalimantan,Indonesia	3.3271N	117.5703E	95	From 2000-01-01
Tarama	JTJ	Ryukyu Islands,Japan	24.6408N	124.7020E	7	
Taranto	TAR	Italy	40.4750N	17.2583E	15	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Taranto	TTI	Italy	40.4096N	17.2833E	20	From 1977-01-01 to 1999-08-25
Taranto	TART	Italy	40.4618N	17.2550E	47	From 2019-11-06
Taranto	TA1	Italy	40.4096N	17.2833E		From 1977-01-01 to 1999-08-25
Taranto	TAR1	Italy	40.5259N	17.2843E	75	From 2009-09-01
Tarany	A264A	Hungary	46.1597N	17.2897E	143	From 2016-01-27
Taraponui	TAHZ	North Island,New Zealand	39.1340S	176.7405E	1297	From 1987-03-19 to 1997-08-18
Tarata	TNZ	North Island,New Zealand	39.1854S	174.3805E	123	From 1962-05-07 to 1985-07-27
Taravao	TVO	Tahiti,French Polynesia	17.7825S	149.2517W	620	
Tarawa	TARA	Kiribati (Gilbert Islands),Kiribati	1.3549N	172.9229E	19	
Tarawera	TAZ	North Island,New Zealand	38.2312S	176.5080E	1037	From 1984-07-18 to 2007-12-18
Taraz	DZA	Kazakhstan	42.8920N	71.3310E	631	
Tarbela	TRB	Pakistan	34.0828N	72.7157E	532	
Tarbela	TAR2	Pakistan	34.0510N	72.6980E	396	From 1973-08-23
Tarbella	TBLA	Pakistan	34.1000N	72.8000E	392	From 2010-06-12
Tardaria	ETAR	Sicily,Italy	37.6630N	15.0590E	940	From 2001-07-01
Targassone	TRGS	Languedoc-Rousillon,France	42.5022N	1.9667E	1700	
Targoviste	TRG1	Romania	44.9109N	25.4506E	279	From 2015-09-01
Targu Jiu	TGJ	Romania	45.0383N	23.3016E	218	From 2015-09-02
Targu Mures	TGMR	Romania	46.5284N	24.5222E	320	From 2015-11-23
Targu_Secuiesc	TGSR	Romania	45.9929N	26.1152E	621	From 2022-07-07
Tarifa	EXTA	Spain	36.0120N	5.6010W	28	
Tarifa	TARIF	Spain	36.0309N	5.5706W	114	
Tarija	TRJ	Bolivia	21.5131S	64.7761W	2100	
TarijaAcel	AOVT	Bolivia	21.5350S	64.7060W	1886	From 2016-07-15
Tarkhankut	TARU	Crimea	45.3770N	32.5320E	0	From 2012-07-11
Tarland	TARL	Scotland	57.1608N	2.8725W	320	From 2022-05-05
Trnvika	N2TV	Norway	67.5675N	15.1252E	5	From 2013-08-01 to 2016-05-30
Taroona High School, Taroona	AUTAR	Tasmania,Australia	42.9400S	147.3600E	25	From 2013-10-01
Tarpa	TRPA	Hungary	48.1304N	22.5391E	113	From 2006-11-01
Tarquinia - VT	TO07	Italy	42.2714N	11.7888E	188	From 2008-07-15 to 2009-10-18
Tarquinia - VT	TO06	Italy	42.2015N	11.8360E	96	From 2008-05-14 to 2009-04-02
Tarraleah	LEAH	Tasmania,Australia	42.3027S	146.4516E	590	
Tarraleah	TRR	Tasmania,Australia	42.3042S	146.4500E	579	From 1960-01-01 to 2009-09-03
Tart-Le-Haut, 21623, Bourgogne-Franche-Comte	A163A	France	47.1970N	5.2010E	222	From 2016-06-14
Tartu	TRTE	Estonia	58.3786N	26.7205E	100	
Tartu	TTU	Estonia	58.3833N	26.7167E		
Tarutung	TRSI	Sumatera,Indonesia	2.0256N	98.9594E	979	From 2005-01-01
TASBURUN-IGDIR	TASB	Turkey	39.9838N	44.2384E	849	From 2011-10-30
Tashata	TSTA	Uzbekistan	40.5782N	72.4771E	641	
TashGRES	TGS	Uzbekistan	41.4230N	69.5200E	400	
TashGRES	TGRS	Uzbekistan	41.3831N	69.3497E	484	
Tashiro 2	JTSR	Kagoshima,Japan	31.1663N	130.9217E	430	
Tashkent	TAS	Uzbekistan	41.3250N	69.2950E	470	From 1901-01-01
Tashtagol	TASR	Kemerovskaya Oblast',Russia	52.7600N	87.8800E	530	
Taskesti	BTAS	Turkey	40.5706N	30.9999E	732	From 2009-11-20
Taslik	TST	Turkey	40.2483N	28.3733E	35	From 1978-11-01 to 1999-08-25
Tasmania University	TAU	Tasmania,Australia	42.9099S	147.3200E	132	From 1957-01-01
Tasoluk	AYDN	Turkey	37.6608N	27.8792E	716	From 2002-12-20
Tassajara Creek	PTAM	California,U.S.A.	35.3925N	120.7078W	802	
Tasu	TSB	British Columbia,Canada	52.7650N	132.0330W	30	From 1984-04-13
Tasu	TSUB	British Columbia,Canada	52.7551N	132.0415W	314	From 2012-11-07
Tatafo	VBUTM	Vanuatu	15.3505S	166.9986E	531	
Tatafo	VLEBE	Vanuatu	15.4148S	166.9526E	442	
Tatalina	TTA	Alaska,U.S.A.	62.9301N	156.0116W	990	From 2010-05-13
Tatalina	TT01	Alaska,U.S.A.	62.9066N	156.0204W	380	
Tatalina	TTL	Alaska,U.S.A.	62.8986N	155.9760W		
Tatama	TATC	Colombia	5.1267N	75.9969W	2200	
Tatamba Isabel	TATA	Solomon Islands	8.3869S	159.8042E	62	From 2018-10-30
Tataouine	TATN	Tunisia	32.5787N	10.5295E	550	From 2010-01-10 to 2018-04-01
Tatarca	TATR	Romania	45.5977N	28.0499E	76	From 2015-07-23
Tateyama	TAT	Chiba,Japan	34.9833N	139.8680E	6	
Tateyama	TYM	Chiba,Japan	34.9708N	139.8481E	30	
Tateyama 2	TATJ	Chiba,Japan	35.0317N	139.8902E	40	From 1990-05-10
Tathlith	TATS	Saudi Arabia	19.5416N	43.4773E	1123	
Tatla Lake BC	TALB	British Columbia,Canada	52.0147N	124.2536W	1122	From 2006-08-28
Tatong	TATM	Victoria,Australia	36.7747S	146.1061E	342	
Tatsuka	TATH	Iburi,Japan	42.5305N	140.8838E	140	
Tatum	Z27A	New Mexico,U.S.A.	33.3150N	103.2145W	1197	From 2008-04-17 to 2010-03-04
Tatum Dome	TQ-MS	Mississippi,U.S.A.	31.1328N	89.5711W	130	
Tatvan	TATV	Turkey	38.5080N	42.2672E	1831	From 2006-10-19 to 2011-11-11
Tauhara North	THQ2	North Island,New Zealand	38.6684S	176.1698E	450	From 2012-12-18
Tauisk	TAUS	Magadanskaya Oblast',Russia	59.7290N	149.3350E	5	From 2001-01-01 to 2001-04-30
Tau Lekoa	TLEK	South Africa	26.9620S	26.6710E	1307	From 2008-06-30
Tau Lekoa	TAUL	Transvaal,South Africa	26.9960S	26.6090E	1350	From 2008-04-07
Taumarunui High School	TUHS	North Island,New Zealand	38.8641S	175.2483E	203	From 2002-09-26
Taunus Mts	TNS	Hessen,Germany	50.2225N	8.4473E	815	From 1913-01-01
Taupo Police Station	TPPS	North Island,New Zealand	38.6863S	176.0675E	380	From 1999-08-30
Tauranga	TGRZ	North Island,New Zealand	37.7288S	176.2609E	145	From 2003-02-18
Tauranga Boys College	TBCS	North Island,New Zealand	37.7027S	176.1567E	33	From 2001-12-06
Taurewa	TWVZ	North Island,New Zealand	39.0707S	175.4377E	1084	From 2004-05-18
Tausa, Cundinamarca	CTAU	Colombia	5.2030N	74.0443W	3868	From 2010-08-10
Tautenburg	TAUT	Thuringen,Germany	50.9816N	11.7107E	330	From 2008-05-16
Tauwhareparae	TWGZ	North Island,New Zealand	38.1767S	177.9804E	627	From 2009-12-09
Tauyuan	STYT	Taiwan region	23.1630N	120.7570E	640	
Tavaksay	TVKS	Uzbekistan	41.5748N	69.6528E	789	
Tavarnelle	TAV1	Italy	43.5890N	11.1431E	285	From 2014-12-19
Tavernelle (FI)	T1618	Italy	43.5889N	11.1428E	286	From 2022-05-16 to 2022-09-07
Tavernes	TAVF	Provence-Cote d'Azur,France	43.6173N	6.0578E	689	From 1982-11-01 to 2010-05-20
TAVERNUZZE IMPRUNETA	TVR	Italy	43.7123N	11.2187E	830	From 2010-08-04
Tavertet	CTAV	Spain	41.9966N	2.4184E	857	From 2022-04-05
Taveuni	TAVE	Fiji	16.7079S	179.9059W	123	
Taveuni	TVI	Fiji	16.9259S	179.9590E	814	From 1981-11-01
Tavil'dara	TDT	Tajikistan	38.6833N	70.4833E	1670	
Tavira	PTAV	Portugal	37.1251N	7.6547W	25	From 2015-02-27
Tavsanli	TVSB	Turkey	39.4497N	29.4615E	1090	From 2009-02-12
Tavurvur	TAV	New Britain,Papua New Guinea	4.2312S	152.2200E	31	From 1967-01-01
Tawang	TAWA	Arunachal Pradesh,India	27.5938N	91.8668E	2979	From 2011-06-11
Tawau	TSM	Sabah,Malaysia	4.2936N	117.8725E	62	
Tawu	TWJ1	Taiwan region	22.3696N	120.8838E	150	From 1978-01-13
Tawu	TAW	Taiwan region	22.3576N	120.8960E	8	
Taxiarchis Harbor, Nea Kameni, Santorini I..	STAX	Greece	36.3993N	25.4045E	20	From 2012-03-30
Taxisco	SRTX	Guatemala	13.9213N	90.6100W	15	From 2021-08-12
Tayabas	TAY	Luzon,Philippines	13.8990N	121.8660E	300	
Tayabas	TQP	Luzon,Philippines	13.8989N	121.8660E	300	
Tayfur-Gelibolu	GELI	Turkey	40.3980N	26.4741E	129	From 2008-07-05
Taylor	NTYM	California,U.S.A.	38.3895N	122.6620W		
Taylor	CTAM	California,U.S.A.	38.0269N	122.0160W	152	
Taylor Creek Farms, Clarkson	M33A	Nebraska,U.S.A.	41.5726N	97.1950W	503	From 2010-06-16 to 2012-04-23
Taylor Farm	CTFL	California,U.S.A.	37.6463N	121.6720W	295	From 1981-01-01
Taylor Mountain	NTMM	California,U.S.A.	38.3858N	122.6800W	105	From 1970-08-14
Taylor Mountain	TMI	Idaho,U.S.A.	43.3056N	111.9180W	2179	
Taylor Ranch	PK3	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylor Ranch	TRC	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylor Ranch	PTYM	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylorsville	TVNC	North Carolina,U.S.A.	36.0331N	81.2131W	731	
Taylorsville	V55A	North Carolina,U.S.A.	35.8518N	81.2149W	306	From 2013-02-17
Tayma	URD11	Saudi Arabia	27.9366N	37.4570E	1020	
Tayyib Ism	TAYS	Saudi Arabia	28.5511N	34.8717E		
Tazeka	TZK	Morocco	34.0890N	4.1840W	1980	From 1993-01-01
Tazercounte	TZC	Morocco	32.1480N	6.4900W	1700	
Tazewell	TZTN	Tennessee,U.S.A.	36.5439N	83.5490W	394	From 2005-02-23
Tazewell	T54A	Virginia,U.S.A.	37.0608N	81.5762W	852	From 2013-01-30
Tazlina	TZL	Alaska,U.S.A.	62.0445N	145.4240W	366	From 1990-07-01
Tazzarine	TZRR	Morocco	30.7850N	5.5690W	994	
TBBG	TBBG	Germany	52.8700N	10.6320E	120	
T'bilisi	TIF	Georgia,Georgia	41.7167N	44.8000E	399	From 1899-01-01 to 1978-12-31
Tbilisi Sea	SEAG	Georgia,Georgia	41.7643N	44.8034E	607	From 2003-01-01
Tchakhmakh	TCHZ	Armenia	40.9000N	43.7000E	1860	
Teagarden Farms, La Cygne	R37A	Kansas,U.S.A.	38.3133N	94.8294W	298	From 2010-03-24 to 2012-03-03

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Teain	TAIA	Republic of Korea	35.6507N	126.9318E	31	From 2018-03-09
Te Anau Fire Station	TAFS	South Island,New Zealand	45.4167S	167.7191E	221	From 2002-06-13
Teanaway	TWW	Washington,U.S.A.	47.1381N	120.8680W	1046	From 1986-10-01
Te Araroa District High School	TDHS	North Island,New Zealand	37.6333S	178.3654E	5	From 2002-04-15
Te Aroha College	TACG	North Island,New Zealand	37.5420S	175.6928E	22	From 2002-06-27
Teasdale	R16A	Utah,U.S.A.	38.2843N	111.4827W	2202	From 2007-06-26 to 2009-03-10
Tea Tree Gully	UTT	South Australia,Australia	34.8215S	138.7367E	300	
Te Atua	TEHZ	North Island,New Zealand	39.9877S	176.8114E	407	From 1987-03-19 to 1997-08-04
Tecamachalco	TCPM	Puebla,Mexico	18.8900N	97.6894W		
Tecapa	TCPZ	El Salvador	13.4890N	88.5070W	1594	
Tecapa	TECA	El Salvador	13.4945N	88.5023W	1603	
Tecate	TKX	Baja California,Mexico	32.5687N	116.6075W	541	
Techi	TDCB	Taiwan region	24.2531N	121.1583E	1295	
Technical University Creta	CH03	Crete,Greece	35.5330N	24.0705E	112	From 2013-08-01
Technion Haifa	HTEC	Israel	32.7789N	35.0239E	209	From 2018-07-18
Technology Drive Fremont	C023	California,U.S.A.	37.5104N	121.9540W	1	From 2009-08-11 to 2011-06-29
TEC LaTrobe	TECM	Victoria,Australia	37.7245S	145.0555E	156	
Tecnologico de Monterrey	TMM	Nuevo Leon,Mexico	25.7505N	100.2029W	585	
Tecnologico de Monterrey 2	TMM2	Nuevo Leon,Mexico	25.6992N	100.2663W		
Tecolote Peak, Malaga	226B	New Mexico,U.S.A.	32.0778N	104.1654W	981	From 2009-02-21 to 2010-02-17
Tecomasuche	TME	El Salvador	14.0169N	89.3556W	516	
Tecpan	TEP	Guatemala	14.7878N	90.9715W	1640	From 1978-06-01
Tecpan	CHTG	Guatemala	14.7618N	90.9848W	2275	From 2015-04-14
Tecpan 2	TP2	Guatemala	14.7833N	91.0213W	3075	From 1982-01-01
Tecpatan	TCX	Chiapas,Mexico	17.1330N	93.2950W	471	From 1979-12-01
Tecuci	TECR	Romania	45.8416N	27.4089E	62	
Tecumseh	W35A	Oklahoma,U.S.A.	35.1527N	96.8745W	322	From 2010-04-15 to 2012-02-01
Teekin	TEK	Tonga	21.1297S	175.3220W	20	From 1970-10-01
Teeli	TEL	Tyva,Russia	51.0200N	90.2000E	980	
Teeples Ranch	TEE	Montana,U.S.A.	48.3795N	115.5880W	805	From 1971-02-01 to 1976-10-04
Tefe	TEFE	Amazonas	3.5091S	64.6347W	52	From 2016-11-16
Tefeli, Heraklion, Crete, Greece	TEFL	Crete	35.0933N	25.1634E	353	From 2022-07-13
Tegal	TGJI	Jawa,Indonesia	6.8679S	109.1210E	44	From 2005-01-01
Teggiano - Istituto P. Leto	TEGI	Italy	40.3799N	15.5365E	568	
Tegucigalpa,Univ of Honduras	TGUH	Honduras	14.0570N	87.2730W	1151	From 2006-09-20
Tehachapi Microwave	THC	California,U.S.A.	34.9087N	118.6630W	1718	
Tehoru	TMTMM	Indonesia	3.2980S	129.5305E	74	From 2020-12-31
Tehran	TEH	Iran	35.7367N	51.3817E	1462	
Tehran	THR	Iran	35.9080N	51.1260E	2050	From 2000-08-01
Tehran--Karaj	THKV	Iran	35.9157N	50.8788E	1795	From 1999-04-24
Tehuacan	THEZ	Puebla	18.4777N	97.3833W	1641	
Tehuacn	TPIG	Puebla,Mexico	18.4195N	97.3617W	1488	From 2002-10-10
TEI Chania	ATEI	Crete	35.5193N	24.0432E	59	From 2015-06-01
Teide Nord	TNOR	Canary Islands	28.2902N	16.6807W	2002	From 2016-11-03
Tejag	ITEG	Iran	32.8965N	58.7488E	1745	From 2005-12-01
Tejeda	ATEJ	Spain	36.9150N	4.0140W	1480	
Tejon Ranch	TJR	California,U.S.A.	35.0275N	118.7430W	439	
Tejupilco	TEJU	Mexico D.F.	18.9040N	100.1595W	1340	
Te Kaha	HAZ	North Island,New Zealand	37.7561S	177.7826E	20	From 2010-01-14
Te Karaka	TKGZ	North Island,New Zealand	38.4392S	177.8485E	98	From 2010-03-13
Tekederesi - Erzurum	ETEKE	Turkey	39.7944N	41.1379E	2136	From 2017-10-18
Tekeli-Mersin	TEKE	Turkey	36.1427N	33.1141E	172	From 2011-07-01
Tekeris	TEKS	Serbia	44.5492N	19.5287E	500	From 2008-12-29
Tekirdag	TEKI	Turkey	40.9862N	27.5374E	126	From 2022-12-16
Tekirdag	SART	Turkey	40.6889N	27.1800E	800	From 1997-02-27
Tekirdag	TDAG	Turkey	40.9903N	27.5344E	148	From 1996-04-01 to 1997-02-26
Tekirdag	TKR	Turkey	40.9902N	27.5357E	140	
Tekketepe	TKTP	Turkey	38.0400N	30.3200E	1788	From 1996-04-01
Te Kuiti High School	TKHS	North Island,New Zealand	38.3328S	175.1556E	66	From 2002-07-02
Telaga, Gorontalo	TGCM	Indonesia	0.5201N	123.0778E	163	From 2019-01-01
Tel, Azerbaijan	TELL	Azerbaijan	41.7621N	48.6447E	9	From 2020-07-27
Telchick Spring	TCSI	Idaho,U.S.A.	43.6193N	113.4780W	1731	From 1992-01-01
Telcisor	RO37A	Romania	47.4602N	24.4502E	463	From 2022-09-12
Telcor Managua	ALLN	Nicaragua	12.1548N	86.2739W	98	From 2014-05-22
Telegraph Cove	TLCB	British Columbia,Canada	50.5465N	126.8345W	10	From 2004-12-20
Telegraph Creek	S34M	British Columbia,Canada	57.9128N	131.1312W	298	From 2016-05-05
Telegraph Creek	TCBC	British Columbia,Canada	57.9231N	131.2820W	1356	From 1989-10-10
Telesnica	PL02A	Poland	49.3780N	22.5365E	439	From 2019-12-13
Teles Pires	STP02	Mato Grosso	9.7800S	56.6600W	258	From 2013-02-01
Telford	O60A	Pennsylvania,U.S.A.	40.3177N	75.4050W	70	From 2013-04-28
Telica	TELN	Nicaragua	12.6042N	86.8313W	850	
Telica 3	TEL3	Nicaragua	12.5722N	86.8448W	300	
Telida	K20K	Alaska,U.S.A.	63.3569N	154.0700W	548	From 2015-06-30
Teller	TLR	Alaska,U.S.A.	65.3183N	166.2117W	122	From 1980-01-01 to 1983-01-01
Tellico Plains	TLT	Tennessee,U.S.A.	35.3011N	84.2833W	512	
Teluk Ambon, Maluku	TAMI	Indonesia	3.6759S	128.1108E	101	From 2019-01-01
Teluk Bayur, Kalimantan Timur	TBKI	Indonesia	2.1360N	117.4241E	22	From 2019-01-01
Telus,Franklin R.	TFRB	British Columbia,Canada	48.9332N	124.6363W	0	From 2004-05-28
Tema	TEGH	Ghana	5.6367N	0.0014W	14	From 1987-01-01
Te Maari	TMVZ	North Island,New Zealand	39.1156S	175.7041E	1200	From 2013-05-14
Te Maipa	TMWZ	North Island,New Zealand	41.1066S	175.8905E	529	From 2007-02-23
Te Mara Farm Waiau	WTMC	South Island,New Zealand	42.6195S	173.0536E	198	From 2005-11-15
Te Marua Water Treatment Plant	TMDS	South Island,New Zealand	41.0781S	175.1554E	180	From 2002-10-22
Tembe Elephant Park,KwaZulu Natal	TEMBE	South Africa	27.0419S	32.4269E	80	From 2018-02-02
Temblor Range Southeast	TMB	California,U.S.A.	35.0873N	119.5350W	1021	From 1976-06-01
Temeni, Aigialia, West Greece	TEME	Greece	38.2317N	22.1181E	-56	From 2000-03-15
Teminabuan, Papua Barat	TSPI	Indonesia	1.4733S	132.0898E	62	From 2019-01-01
Temiscaming	JBBQ	Quebec,Canada	46.7751N	78.9632W	278	From 2001-12-04
Temiscaminque	MLQ2	Quebec,Canada	46.6814N	78.9907W	299	
Temiskaming	TMK	Quebec,Canada	46.6667N	79.0667W		
Tempa Rossa 01	TR01	Italy	40.4808N	16.0180E	1152	From 2018-09-05
Tempa Rossa 02	TR02	Italy	40.4893N	15.8749E	1043	From 2018-09-20
Tempa Rossa 03	TR03	Italy	40.5872N	16.0076E	463	From 2018-09-05
Tempa Rossa 04	TR04	Italy	40.4968N	16.2156E	567	From 2018-08-08
Tempa Rossa 05	TR05	Italy	40.3836N	16.0953E	671	From 2018-09-03
Tempa Rossa 06	TR06	Italy	40.2929N	16.1216E	943	From 2018-08-09
Tempa Rossa 07	TR07	Italy	40.4451N	15.9561E	802	From 2018-09-18
Tempa Rossa 08	TR08	Italy	40.3943N	16.0120E	676	From 2018-08-31
Tempa Rossa 09	TR09	Italy	40.4000N	16.1960E	689	From 2018-09-19
Tempa Rossa 10	TR10	Italy	40.4323N	16.0958E	830	From 2018-08-30
Tempa Rossa 11	TR11	Italy	40.4743N	16.1032E	1165	From 2018-09-19
Tempa Rossa 12	TR12	Italy	40.4119N	16.0337E	849	From 2018-09-03
Tempiute Mountain	TPU	Nevada,U.S.A.	37.6046N	115.6496W	1964	
Templeton School	TPLC	South Island,New Zealand	43.5500S	172.4719E	39	From 2005-02-21
Temple University, Ambler	TUPA	Pennsylvania,U.S.A.	40.1663N	75.1864W	112	
Temporary aftershock station near Magadan	ST18S	Magadanskaya Oblast',Russia	59.6640N	150.2010E	18	From 2004-11-01 to 2004-12-01
Temporary station #20	ST20S	Magadanskaya Oblast',Russia	62.8950N	151.7470E	387	From 2005-04-22 to 2005-04-26
Temporary station #21	ST21S	Magadanskaya Oblast',Russia	62.9210N	151.8490E	384	From 2005-04-21 to 2005-04-25
Temporary station #22	ST22S	Magadanskaya Oblast',Russia	62.9050N	151.7420E	398	From 2005-04-15 to 2005-04-17
Temporary station #23	ST23S	Magadanskaya Oblast',Russia	62.8940N	151.7470E	385	From 2005-04-15 to 2005-04-17
Temuco	TEM	Cautin,Chile	38.7750S	72.6056W		From 1965-09-01 to 1999-08-25
Temuco	TMU	Cautin,Chile	38.7344S	72.6006W	100	From 1974-04-01
Temuco	TMCH	Chile	38.7490S	72.6164W	100	
Tena	TENA	Ecuador	0.7327S	77.7622W	1161	From 1994-09-21
Tena	ATEN	Ecuador	1.0069S	77.8113W	522	From 2012-07-14
Tendaho Dam	DAME	Ethiopia	11.6868N	40.9625E	430	
Tende	OG23	Rhone-Alpes,France	44.1164N	7.6175E	937	From 1989-06-26 to 2014-01-01
Tendick Farm, Oakridge	I04A	Oregon,U.S.A.	43.7941N	122.4113W	731	From 2006-11-03 to 2007-11-01
Tendola (MS)	T0913	Italy	44.1674N	10.0442E	296	From 2013-06-21 to 2013-11-12
Tendrara	TDRA	Morocco	33.0400N	2.0290W	1738	
Tenerife	CTFE	Canary Islands,Spain	28.4794N	16.2622W	270	From 1983-01-01
Tenerife	TEN	Canary Islands,Spain	28.4643N	16.2454W	1	From 1952-01-01 to 1983-01-31
TengChong	TNCH	Yunnan,China	25.0289N	98.5197E	1630	From 2009-01-01
Tenhult	TNU	Sweden	57.6380N	14.2690E		From 1980-01-01 to 1991-12-31
Tenk	TENKA	Hungary	47.6543N	20.3480E	100	From 2019-08-12
Tenkeli	TLIS	Sakha,Russia	70.1800N	140.7800E	110	From 1984-01-01 to 1995-01-01
Tenkes	RHK3	Hungary	45.8885N	18.2521E	420	
Tenmabayashi	JTM	Aomori,Japan	40.7868N	141.0682E	130	
Ten Mile Ranch, Cody	K28A	Nebraska,U.S.A.	42.7136N	101.3665W	986	From 2009-06-03 to 2011-04-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tennant Creek	WRAB	Northern Territory,Australia	19.9333S	134.3500E	366	From 1994-03-27
Tennessee City	TCT	Tennessee,U.S.A.	36.0053N	87.5528W	245	From 1988-03-10
Tennyson Woods	TWOA	South Australia,Australia	35.0325S	138.5781E	165	From 1978-04-01
Tenryu	TNRJ	Shizuoka,Japan	34.9078N	137.8850E	66	From 1979-04-01
Tenuta Marino, San Giorgio Lucano (MT)	MOC2	Italy	40.1340N	16.3616E	475	From 2021-06-24 to 2022-06-14
Te Oka Bay Road SW Banks Peninsula	TOKS	South Island,New Zealand	43.8224S	172.7808E	577	From 2013-03-19
Teolo	TEOL	Italy	45.3600N	11.6700E	370	
Teotitlan	TEO	Oaxaca,Mexico	18.1382N	97.0752W	1060	
Tepee Creek	TPMT	Montana,U.S.A.	44.7298N	111.6660W	2518	From 1992-10-12
Tepee Creek (NFS), Magee	C11A	Idaho,U.S.A.	47.8397N	116.2557W	914	From 2007-08-28 to 2009-07-18
Tepekoy-Mersin	TEPE	Turkey	36.2196N	33.5614E	572	From 2011-07-01 to 2013-12-01
Tepekoy-MERSIN	TEPK	Turkey	36.2241N	33.5450E	574	From 2013-12-29
Tepelena	TPE	Albania	40.2952N	20.0109E	251	From 1984-04-01
Tepic	TEPI	Nayarit	21.5235N	104.9167W	974	
Tepic	TPICX	Nayarit	21.4839N	104.8490W	923	From 2014-09-17
Tepich	TEIG	Yucatan,Mexico	20.2263N	88.2764W	69	From 2009-09-18
Tepoztlan	TPM	Morelos,Mexico	18.9833N	99.0617W	1500	
Tequesquite Ranch, Mosquero	V26A	New Mexico,U.S.A.	35.7964N	103.7860W	1362	From 2008-05-10 to 2010-04-20
Teramang Jaya, Bengkulu	TMSM	Indonesia	2.6995S	101.4463E	118	From 2019-01-01
Teramo	TERO	Italy	42.6228N	13.6039E	673	From 2003-11-20
Tercis-les-Bains	TERF	Aquitaine,France	43.6788N	1.1133W	50	From 2011-03-25
Ter de Rio Valdez	TRVA	Tierra del Fuego,Argentina	54.6803S	67.3395W	240	
TERE	TERE	Ethiopia	12.4832N	40.3144E	379	
Terek-Say	TRKS	Kyrgyzstan	41.5300N	71.1400E	1640	
Tereno de la Politecnica a San Roque, San Juan, Quito,Ecuador	RO GE	Ecuador	0.2131S	78.5314W	3184	From 2016-05-17
Teren Tiev Lake	TTV	Alaska,U.S.A.	61.0548N	147.1210W	533	From 1984-09-18
Terento	D109	Italy	46.8243N	11.7389E	1193	From 2019-11-27
Terepaima	TEPV	Venezuela	9.9637N	69.1917W	470	From 2002-11-21
Teresina	TRSB	Piaua,Brazil	4.8700S	42.7100W	125	
Teriberka	TERR	Murmanskaya Oblast'	69.2015N	35.1076E	30	From 2010-05-01
Terlingua Ranch, Terlingua	627A	Texas,U.S.A.	29.4528N	103.3887W	1163	From 2008-03-08 to 2010-02-08
Termal-Yalova	TRML	Turkey	40.6095N	29.1735E	204	From 2014-01-01
Termas del Arapey, Salto.	ARAP	Uruguay	30.9404S	57.5043W	0	From 2017-01-09
Terme di Santa Lucia (Busana) - RE	RE05	Italy	44.4018N	10.3270E	1007	From 2008-12-28 to 2009-02-12
Termini	ISOR	Italy	40.5820N	14.3350E	497	From 1976-01-01
Ternate	TNTI	Moluccas,Indonesia	0.7718N	127.3667E	43	From 2007-01-05
Ternate	TNE	Moluccas,Indonesia	0.7860N	127.3690E	0	
Ternei	TEY	Primorskiy Kray,Russia	45.0360N	136.6030E	50	From 1982-02-01
Ternell	BTNL	Belgium	50.5862N	6.1297E	550	From 2013-09-16
Terni	TRN1	Italy	42.5582N	12.6461E	175	From 2015-06-24
Terra Adelie	CORRE	Terre Adelie	67.5828S	144.2750E	124	
Terracino	MZ099	Italy	42.6801N	13.2154E	1151	From 2016-10-11 to 2016-10-25
Terradas	ETER	Spain	42.3015N	2.8555E	238	From 1988-03-01
Terra Mystica	MYKA	Austria	46.6299N	13.6416E	909	From 2006-12-13
Terranera (Rocca di Mezzo)	RM16	Italy	42.2347N	13.5321E	1311	From 2009-04-08 to 2009-05-25
Terranova	TER	Guatemala	14.3023N	90.6837W	560	From 1975-03-01
Terra Nova	BD15	Nordrhein-Westfalen,Germany	50.9145N	6.5903E	65	From 2013-09-24
Terranova Bay	TNV	Victoria Land	74.6950S	164.1240E	40	
Terranova di Pollino (PZ)	TNOVA	Italy	39.9747N	16.2611E	1126	From 2022-01-01
Terranova Sibari	TDS	Italy	39.6589N	16.3378E	270	
Terranuova Bracciolini	TTER	Italy	43.5530N	11.5930E	163	From 2005-11-08
Terra Rica	TRCB	Parana,Brazil	22.7953S	52.6340W	580	
Terraza Guagua	TERV	Ecuador	0.1743S	78.6043W	4228	From 2004-01-01
TERRAZAS BANDA ANCHA	BTER	Ecuador	0.1777S	78.6059W	4436	From 2016-09-28
Terre Adelie	PORMA	Terre Adelie	66.8184S	141.3900E	100	
Terre Adelie	PIDGE	Terre Adelie	66.9820S	143.8930E	0	
Terre Adelie	PINGU	Terre Adelie	67.5955S	146.0770E	60	
Terre Adelie	TAA	Terre Adelie	66.8178S	141.3950E	8	
Terrebonne, OR	I05D	Oregon,U.S.A.	44.3386N	121.3395W	811	From 2009-10-20
Terre de Bas, Les Saintes	TDBA	Guadeloupe,France	15.8490N	61.6360W	157	From 2012-10-01
Terre Haute	THI	Indiana,U.S.A.	39.4069N	87.3600W	150	From 1962-09-21
Terrell	TREL	Texas,U.S.A.	32.7304N	96.0893W	174	From 2017-08-06
Terry Harris R'ch	CTHM	California,U.S.A.	37.6680N	121.6557W	344	
Terskaya	TRKR	Severo-Osetinskaya,Russia	43.7233N	44.7321E	141	From 2005-08-09
Teru	TRUE	Ethiopia	12.4841N	40.3161E	377	
Ts	PKST	Hungary	47.2590N	18.0343E	473	From 2007-05-31
Tescani	TESR	Romania	46.5118N	26.6489E	372	
Teshekpuk Lake	B22K	Alaska,U.S.A.	70.3400N	153.4196W	49	From 2017-08-11
Teshikaga	TES	Kushiro,Japan	43.4836N	144.4028E	230	
Tesla Road	CTLM	California,U.S.A.	37.6573N	121.6440W	458	
Teslin, Yukon	P33M	Yukon Territory,Canada	60.2114N	132.8174W	1066	From 2015-10-15
Test Site	N2-NV	Nevada,U.S.A.	36.6333N	115.9831W		
Tesuque Peak	TSP	New Mexico,U.S.A.	35.7853N	105.7810W	3664	From 1973-10-14
Tesvikiye-Yalova	TSVK	Turkey	40.6267N	29.0873E	70	From 2014-01-01
Tete	TETE	Mozambique	16.1470S	33.5770E	153	From 2015-10-14
Tete	TET	Mozambique	16.1467S	33.5768E	153	From 1970-12-01
Tete Morne	DTMT	Dominica	15.2330N	61.3520W	496	
Tetilla Peak	TTP	New Mexico,U.S.A.	35.6094N	106.2060W	2103	From 1973-10-01
Tetitlan	TETM	Guerrero,Mexico	17.1617N	100.6305W	50	
Teton Pass	TPAW	Wyoming,U.S.A.	43.4901N	110.9510W	2512	From 1986-01-01
Tetrakomo, Epirus, Greece	TETR	Greece	39.3445N	21.2747E	942	From 2018-11-05
Tettnang	TETT	Baden-Wurttemberg	47.6600N	9.6136E	549	From 2016-10-01
Teulada	SU04	Italia	39.0250N	8.8042E	483	From 2014-09-22 to 2015-09-04
Tevekalti-Mersin	TEVE	Turkey	36.4359N	33.4430E	847	From 2011-07-01
Teveria	TVER	Israel	32.7813N	35.5397E	-127	From 2018-02-25
Texada	TXDB	British Columbia,Canada	49.6979N	124.4377W	501	From 2019-09-11
Texada	TXB	British Columbia,Canada	49.6969N	124.4360W	515	From 1984-01-14
Texas Christian University	FW15	Texas,U.S.A.	32.7044N	97.3695W	192	From 2017-04-12
Texas Public Hunt System CROSS BAR MGMT. AREA	PH02	Texas	35.3909N	101.9474W	1094	From 2018-10-25
Tezpur	TZR	Assam,India	26.6333N	92.8000E		
TEZPUR	TEZP	Assam,India	26.6168N	92.7989E	83	From 2011-05-01
TFER	TFER	Costa Rica	10.2082N	85.2706W	69	From 1999-12-06 to 2000-06-18
Thakurdwara	TKRD	India	29.1480N	78.8550E	204	From 2017-12-09
Thakurichhap	THAK	Nepal	27.5997N	85.5567E	1551	From 2001-10-16 to 2002-11-07
Thala	THTN	Tunisia	35.5616N	8.6881E	1095	From 2010-01-10 to 2018-04-01
Thala	THA	Tunisia	35.5603N	8.6997E	1080	
Thalero	THAL	Greece	38.0372N	22.6631E	129	From 2008-06-14
Thallon Road	WTRQ	Queensland,Australia	27.5286S	152.4640E		From 1985-05-23
Thames High School	TMHS	North Island	37.1397S	175.5465E	14	From 2002-06-27
Thamme Wali	THW	Pakistan	32.7943N	71.7427E	533	
Thanh Hoa	THV	Vietnam	19.8508N	105.7820E	0	From 2001-01-01
Thanula	THAN	Malawi	11.4683S	34.1842E	683	From 2014-07-18 to 2015-11-04
Than Uyen	BC2V	Vietnam	21.9540N	103.8780E	603	
Thassos	THSA	Greece	40.7799N	24.7103E	1	
Thassos island	THAS	Greece	40.6064N	24.7194E	67	From 2012-07-04
Thassos, Thassos Island	THS1	Greece	40.7385N	24.5751E	36	From 2010-11-01
Thathri	THTRI	Jammu and Kashmir	33.1455N	75.7918E	931	
Thathri	TATRI	Jammu and Kashmir	33.1427N	75.7715E	1083	
Thazima	THAZ	Malawi	10.8305S	33.5924E	1695	From 2014-07-16 to 2015-11-04
The Bluff, Cayman Brac	CBCY	Cayman Islands	19.7380N	79.7583W	31	From 2011-01-01
The Citadel Site 1	C1SC	South Carolina,U.S.A.	32.7983N	79.9590W	5	
The Citadel Site 2	C2SC	South Carolina,U.S.A.	32.7993N	79.9643W	2	
The Dalles	VTDM	Oregon,U.S.A.	45.5453N	121.3110W	305	
The Farm, Brule	E38A	Wisconsin,U.S.A.	46.6058N	91.5542W	341	From 2011-08-29 to 2013-11-26
The Heights School	THS	South Australia,Australia	34.7417S	138.7733E	340	
Thein Dam	THN	Himachal Pradesh,India	32.4409N	75.7576E	625	
The King's School, Parramatta	AUTKS	New South Wales,Australia	33.7800S	151.0300E	95	From 2013-02-27
The Old Anderson's Place, Rush Valley	O15A	Utah,U.S.A.	40.2807N	112.4694W	1611	From 2007-06-28 to 2009-04-08
The Paps	APZ	Stewart Island,New Zealand	46.8318S	167.9889E	601	From 2006-05-07
The Peters Seismological Observatory	TPSO	South Australia,Australia	35.5000S	138.5000E	88	From 2014-02-01
The Promontory	YTP	Wyoming,U.S.A.	44.3918N	110.2850W	2384	
Thera Island	THR1	Greece	36.3705N	25.4593E	550	From 2004-02-01
Therma, N040	N040M	Greece	40.8945N	23.5512E	115	
Thermopolis	TL-WY	Wyoming,U.S.A.	43.3917N	108.0881W	1615	
The Sanctuary of Apollo Hylates	APOL	Cyprus	34.6710N	32.8630E	150	
Thessaloniki	SEIS	Greece	40.6322N	22.9650E	70	From 2011-01-01
Thessaloniki	MMAA	Montenegro	40.6309N	22.9437E	0	
Thessaloniki	THE	Greece	40.6322N	22.9650E	70	From 1981-01-01
Thessaloniki Airport	AMK1	Greece	40.5129N	22.9892E	10	From 2009-01-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Thessaloniki CITY Hotel	THE6	Greece	40.6339N	22.9401E	15	From 2008-09-30
Thessaloniki EKO Refinery	TEK1	Greece	40.6832N	22.8907E	62	From 2008-09-30
Thessaloniki Library	LIB1	Greece	40.6299N	22.9518E	22	From 2008-09-30
Thessaloniki Prefecture	PRF1	Greece	40.5927N	22.9556E	-22	From 2011-10-01
Thessaloniki Prefecture D.H.	PRF0	Greece	40.5927N	22.9556E	28	From 2012-08-01
Thessaloniki sewage pipe	THE7	Greece	40.6376N	22.9493E	70	From 2008-09-30
Thessaloniki S.S. Downhole	STA1	Greece	40.6317N	22.9628E	53	From 2012-04-01
Thessaloniki S.S. Downhole	STA0	Greece	40.6317N	22.9628E	83	From 2012-04-01
Thetidio, Greece	GR21	Greece	39.3726N	22.5132E	366	From 2022-10-04
Theva	THVA	Greece	38.3298N	23.3360E	206	From 2020-07-03
They Montfort	THEF	Lorraine,France	48.2268N	5.9863E	469	
Thimphu	DOCH	Bhutan	27.4922N	89.6435E	3093	
Thira	THRA	Greece	36.4150N	25.4324E	220	
Thira Island, Akrotiri	THR6	Greece	36.3562N	25.3975E	119	From 2004-02-01
Thira Island, Kera	THR5	Greece	36.4172N	25.3479E	180	From 2004-02-01
Thira Island, Nea Kammeni	THR3	Greece	36.4091N	25.4008E	71	From 2004-02-01
Thira Island, Oia	THR4	Greece	36.4600N	25.3974E	220	From 2004-02-01 to 2009-09-01
Thira island, Vourvoulos	THR2	Greece	36.4468N	25.4353E	220	From 2008-05-31
Thirsty	NT13	Nevada,U.S.A.	37.1570N	116.6670W	1628	
Thirsty Canyon	TCNV	Nevada,U.S.A.	37.1416N	116.7214W	1471	From 1984-11-02 to 2002-12-10
THIVAI	THV2	Greece	38.3162N	23.3198E	180	From 2013-07-15
Thoir-sur-Dinan - 72356 - Sarthe - Pays de la Loire - FRDF	FRDF	Pays de la Loire	47.7494N	0.4568E	75	From 2016-08-30
Thompson	CTOM	Ohio,U.S.A.	41.6917N	81.1473W	387	
Thompson Farm, Foxworth	345A	Mississippi,U.S.A.	31.3080N	90.0309W	134	From 2011-03-17 to 2012-12-14
Thompson Grove	U27A	Texas,U.S.A.	36.4213N	102.8246W	1342	From 2009-04-15 to 2010-11-09
Thompson Peak, Cecilville, CA USA	THOM	California	41.0907N	123.0778W	1043	From 2020-08-01
Thompson Ridge	KTRM	California,U.S.A.	41.9087N	123.3760W	1378	
Thomson	TOMM	Victoria,Australia	37.8085S	146.3497E	932	
Thor	THO1	Pakistan	35.3820N	73.8560E	2082	From 2007-09-01
Thorn Acres	CTHA	Ohio,U.S.A.	41.5422N	81.1108W	362	
Thorn Hill	U52A	Tennessee,U.S.A.	36.3929N	83.3671W	510	From 2012-05-29
Thornton Park	SATS	California,U.S.A.	33.7078N	117.8910W	-370	From 1987-02-01
Thorofare Mountain	TRF	Alaska,U.S.A.	63.4502N	150.2893W	1711	From 2003-06-06
Thorvaldshraun	THOR	Iceland	64.9337N	16.6756W	691	From 2014-09-25
Three Chop Ridge	GTC	California,U.S.A.	39.3994N	123.5553W	369	
Three Creek Meadows	TCO	Oregon,U.S.A.	44.1075N	121.6000W	1975	From 1987-08-27
Three Creeks Reservoir	TCRU	Utah,U.S.A.	38.6095N	112.4472W	2293	From 2009-11-17
Three Lakes	F41A	Wisconsin,U.S.A.	45.7387N	89.1046W	509	From 2011-09-02 to 2013-06-10
Three Point Mountain	TID	Idaho,U.S.A.	43.5000N	115.9330W		
Three Points, Tucson	216A	Arizona,U.S.A.	32.0022N	111.4574W	908	From 2007-03-02 to 2008-12-09
Three Rivers	EF76	Texas	28.5203N	98.1947W	48	From 2019-04-19
Three Sisters	THRC	California,U.S.A.	34.5532N	117.7183W	1025	
Three Sisters--Wife	WIFE	Oregon,U.S.A.	44.0597N	121.8175W	1955	
Thule	THU	Greenland	76.4167N	68.3000W	485	
Thule	TULEG	Greenland	76.5374N	68.8237W	38	
Thule	THULE	Greenland	76.5567N	68.6750W	275	
Thule	TE-GL	Greenland	76.4972N	68.6056W	213	From 1965-10-12 to 1965-11-15
Thule	TE-	Greenland	76.4972N	68.6056W	213	From 1965-10-12 to 1965-11-15
Thumling	A014A	Austria	48.3483N	15.1619E	773	From 2015-06-26
Thunder Bay	TBO	Ontario,Canada	48.6473N	89.4083W	468	From 1987-01-23
Thunderbird Minesite, Kimberley	KIM09	Western Australia	17.4795S	123.0323E	131	From 2021-08-03
Thunder Mountain BC	THMB	British Columbia,Canada	52.5489N	124.1323W	1126	From 2006-08-27
Thunduwike	VWZMW	Malawi	11.1753S	33.5744E	1128	From 2012-01-17
Thun, Kantonsschule BE	STHK	Switzerland	46.7437N	7.6295E	559	From 2015-04-20
Thringer Wald Luisenthal	THWA	Thuringen,Germany	50.7627N	10.6771E	692	From 2014-10-06
Tianjin	TIE	Hebei,China	39.1333N	117.2670E	20	
Tian-Shan	TNSS	Kazakhstan	43.0370N	76.9470E	3480	From 1984-09-01
Tianshui	TNH	Gansu,China	34.5783N	105.7520E		
Tiarei	TIAR	Society Islands,French Polynesia	17.5578S	149.3458W	300	
Tiaret	ETRT	Algeria	35.3900N	1.3000E	1221	
Tibas	TIBA	Costa Rica,Costa Rica	9.9620N	84.0720W	1221	
Tibati, CM21	ACM21	Cameroon	6.4670N	12.6200E	711	
Tiberkul'	TBRR	Krasnoyarskiy Kray,Russia	53.8832N	93.7438E	400	From 2004-06-08
Ticaya	BATO	Bolivia	19.6254S	65.4374W	3353	From 1994-12-03 to 1995-08-08
Ticuantepe	TICN	Nicaragua	12.0335N	86.2317W	400	
Tiefenfucha	A008A	Austria	48.3687N	15.6522E	242	From 2015-03-23
Tiendilla	TLLA	Costa Rica	10.0045N	83.7737W	2677	
Tien Yen	TIYB	Vietnam	21.3348N	107.3893E	37	From 2006-01-01
Tierras Morenas	TIMP	Costa Rica	10.5829N	85.0184W	784	
Tierras Morenas	AR3	Costa Rica	10.5869N	85.0350W	760	
Tifton	TIGA	Georgia,U.S.A.	31.4389N	83.5898W	109	From 2008-12-06
Tiganderket, Sumatera Utara	TKSM	Indonesia	3.1374N	98.3244E	720	From 2019-01-01
Tigil	TIGL	Kamchatskaya Oblast',Russia	57.7640N	158.6700E	140	From 2012-08-09
Tignall	Y54A	Georgia,U.S.A.	33.8621N	82.6880W	176	From 2012-04-10
Tignere, CM27	ACM27	Cameroon	7.3590N	12.6670E	1025	
Tignish, PEI	TIGG	Prince Edward Island,Canada	47.0015N	63.0091W	8	From 2005-09-29 to 2007-11-05
Tigo	BI03	Bio-Bio	36.8437S	73.0257W	196	From 2013-06-13
Tigre	TIG	Costa Rica	9.0367N	83.2960W	690	From 1989-01-01
Tigyukauivet Mountain	O14K	Alaska,U.S.A.	59.2533N	161.2638W	129	From 2017-05-17
Tihany	TIH	Hungary	46.9000N	17.8930E	187	From 1987-01-01 to 1988-12-31
Tijuana	TJIG	Mexico	32.4335N	116.6747W	331	From 2010-10-30
Tijuana	PIPTJ	Baja California	32.4985N	116.8890W	160	
Tijuana	CNATJ	Baja California	32.4470N	116.9090W	135	
Tijuana	TJX	Baja California	32.5099N	117.0540W	217	From 2014-06-10
Tijuana	AGUTJ	Baja California	32.4758N	117.0058W	229	From 2013-10-24
Tijuco Alta	RSTA	Parana,Brazil	24.6508S	49.0327W	248	From 1992-01-01
Tikjda	ATKJ	Algeria,Algeria	36.4430N	4.1210E	1434	
Tiksi	TIXI	Sakha,Russia	71.6490N	128.8665E	50	
Tiksi	TIK	Sakha,Russia	71.6333N	128.8667E	41	
Tilaran	TILA	Costa Rica	10.4690N	84.9700W	570	
Tilbrook Grange	KTG1	England,United Kingdom	52.3264N	0.4019W	83	From 1988-01-01
Tilden	834A	Texas,U.S.A.	28.1251N	98.5519W	151	From 2009-12-21 to 2011-10-10
Tilichiki	TILR	Kamchatskaya Oblast',Russia	60.4310N	166.0560E	40	From 2005-05-02
Tilichiki	TIL	Kamchatskaya Oblast',Russia	60.4330N	166.0570E	40	
Tilichiki	TILK	Kamchatskaya Oblast',Russia	60.4460N	166.1450E	25	From 2008-12-04
Tillmans-Whites Bay	TWB	South Carolina,U.S.A.	33.1147N	80.1030W	9	From 1988-03-01
Tillsonburg	K52A	Ontario,Canada	42.7805N	80.7139W	232	From 2012-12-06
Timaru	TMZ	South Island,New Zealand	44.3832S	171.0062E	454	From 2014-05-16
Timbaki Heraklio	TMBK	Crete,Greece	35.0722N	24.7660E	17	From 2006-03-01
Timber Creek	M16K	Alaska,U.S.A.	61.0224N	158.9593W	394	From 2017-05-12
Timbered Crater	LTIM	California,U.S.A.	41.1761N	121.4888W	1156	
Timbered Crater, Pondosa, CA USA	LTIB	California	41.1702N	121.4961W	1151	From 2020-11-01
Timberline	TIMB	Oregon,U.S.A.	45.3356N	121.7101W	1901	From 2006-09-29
Timber Mountain	TMBR	Nevada,U.S.A.	37.0354N	116.3853W	1788	From 1982-02-19 to 2002-10-10
Timber Mountain	TMN	Nevada,U.S.A.	37.0836N	116.4440W	2190	From 1975-10-01
Timber West Blakeney	TWBB	British Columbia,Canada	48.5846N	124.0920W	122	
Timber West Granite	TWGB	British Columbia,Canada	48.6076N	124.2559W	127	
Timber West Koksilah	TWKB	British Columbia,Canada	48.6449N	123.7332W	128	
Timber West San Juan	TSJB	British Columbia,Canada	48.6013N	123.9885W	378	
Timgad	CTGD	Algeria,Algeria	35.5320N	6.5330E	1073	
Timios Stavros Vagia, Thiva, Greece	THI3	Greece	38.3059N	23.1985E	400	From 2021-07-11
Timisoara	TIM	Romania	45.7366N	21.2208E	88	From 1943-01-01
Timmins Ontario	TIMO	Ontario,Canada	48.4659N	81.3032W	392	From 2005-07-25
Timmit	TISM	Morocco	31.7210N	6.4400W	0	
Timpagrande	TIP	Italy	39.1786N	16.7583E	815	
Timpanogos Cave	TCVU	Utah,U.S.A.	40.4436N	111.7052W	1730	From 2012-09-13
Tinajo	CBLAA	Canary Islands	29.0338N	13.7033W	270	From 2018-08-03
Tinajo, Isla de Lanzarote	CTIM	Canary Islands	28.9985N	13.7499W	365	From 2019-11-26
Tinaroo	TINA	Queensland,Australia	17.1761S	145.5304E	767	
Tin City	TCY	Alaska,U.S.A.	65.5663N	167.9558W	72	
Tin City	TNA	Alaska,U.S.A.	65.5606N	167.9239W	74	From 1976-08-01
Tinemaha, Big Pine	TIN	California,U.S.A.	37.0542N	118.2301W	1197	From 1929-09-04
Tinghir	MTNG	Morocco	31.4160N	5.5560W	550	From 1993-04-10
Tingoa Renbel	NGOA	Solomon Islands	11.5547S	160.0624E	40	From 2018-10-30
Tingri, Xizang Zizhiqu	DINX	Xizang Zizhiqu,China	28.6647N	87.1157E	4374	From 2001-09-26 to 2002-11-06
Tinkers Knob	TNK	California,U.S.A.	39.2675N	120.2360W	2438	From 1973-04-01
Tin Mountain	TMO	California,U.S.A.	36.8048N	117.4035W	2170	From 1978-11-28
Tino	MZ104	Italy	42.7125N	13.2532E	838	From 2016-10-12 to 2016-10-31
Tinogasta	TINO	Catamarca	28.0630S	67.5690W	1200	From 2014-09-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tinos	TNSA	Greece	37.5395N	25.1631E	16	From 2010-06-18
Tinos Is.	THNO	Greece	37.6541N	25.0221E	273	From 2020-10-06
Tintock	TIWZ	North Island,New Zealand	40.7760S	175.8857E	559	From 2006-03-07
Tiouine	TIO	Morocco	30.9267N	7.2617W	1335	From 1969-01-01
Tipaza	ATIP	Algeria	36.8833N	2.5000E	0	
Tipaza	ATPZ	Algeria	36.5300N	2.3100E	156	
Tipitapa	TIPN	Nicaragua	12.1947N	86.0946W	66	From 2014-05-09 to 2018-03-31
Tippipah	TP-	Nevada,U.S.A.	37.2003N	116.2260W	2256	From 1961-12-06 to 1961-12-16
Tippipah	TP-NV	Nevada,U.S.A.	37.2003N	116.2261W	2256	
Tiptonville	TIPT	Tennessee,U.S.A.	36.4238N	89.4861W	88	
Tiptonville	DY3	Tennessee,U.S.A.	36.4430N	89.5069W	87	From 1969-01-01 to 1972-12-31
Tiputa	TPT	Tuamotu,French Polynesia	14.9844S	147.6200W	3	
Tiquisate	ESTQ	Guatemala	14.1516N	91.1941W	70	From 2021-08-19
Tirane	TIR	Albania	41.3477N	19.8650E	247	From 1968-09-01
Tiraumea	TRMS	North Island,New Zealand	40.6713S	175.9910E	260	From 2014-07-29
Tirgoviste	TRGR	Romania	44.9361N	25.4563E	303	From 2019-03-29
Tirgusor	TIRR	Romania	44.4581N	28.4128E	77	
Tirva, Finland	KY17	Finland	60.9378N	27.0548E	108	From 2019-08-29
Tisan-Mersin	TISA	Turkey	36.1620N	33.6788E	94	From 2013-04-18
Tishomingo	TO-	Oklahoma,U.S.A.	34.3564N	96.5681W	259	From 1961-11-20 to 1962-06-09
Tishomingo	TO-OK	Oklahoma,U.S.A.	34.3564N	96.5681W	259	From 1961-11-20 to 1962-06-09
Tissa	TIS	Morocco	31.8920N	6.5540W	1687	
Tissa	TSSA	India	32.8366N	76.1503E	1781	From 2018-05-27
Tiszakcske	HU13A	Hungary	46.9877N	20.0345E	150	From 2022-10-04
Tito	TITE	Italy	40.5546N	15.6926E	660	
Tiverton	M64A	Rhode Island,U.S.A.	41.5509N	71.2102W	17	From 2013-09-12
Tivives	TIV	Costa Rica	9.8822N	84.7050W	70	From 2002-04-11 to 2002-10-01
Tivoli	LTTV	Italy	41.9525N	12.8054E	253	From 2011-04-26
Tizayuca	VTVM	Mexico D.F.,Mexico	19.7702N	98.7745W	2450	From 2009-01-01
Tizi Ouasli	M007	Morocco	34.7562N	3.8010W	1345	
Tjoern	TJOU	Sweden	58.0320N	11.6250E	40	From 2006-10-24
Tkibuli	TKI	Georgia,Georgia	42.3500N	43.0000E	320	
Tkibuli	TKB	Georgia,Georgia	42.3509N	42.9943E	603	From 1970-01-01
tl_alroos	ROOS	Syria	34.1694N	37.2891E	843	From 2004-01-01
Tlamacas	PBM	Mexico:State	19.0662N	98.6278W	3950	
Tlapa	TLIG	Guerrero,Mexico	17.5627N	98.5665W	1136	
Tlapa	TPG	Guerrero,Mexico	17.5607N	98.5555W	1100	
Tlapan	AOVM	Mexico D.F.	19.2675N	99.3218W	3752	
Tlapaneco	HMTT	Guerrero,Mexico	17.7983N	98.5597W	902	From 2009-02-16
Tlaxcala 2	TLX2	Mexico	32.4400N	115.1667W	9	
Tlaxcala, TLX	CTLX	Mexico	32.4732N	115.1452W	14	
Tlaxiaco	TXIG	Oaxaca	17.2532N	97.7677W	2309	From 2012-09-03
Tlaxiaco	TXO	Oaxaca,Mexico	17.2817N	97.6817W	2025	
Tlemcen	TEC	Algeria	34.8500N	1.2833W		
Tlemcen	OTLM	Algeria	34.8800N	1.3500W	801	
Tlhalogang	BROLN	Botswana	21.0997S	27.3342E	1047	
TLI	TLIN	Nepal	29.8060N	80.6160E	708	
T-Link Ranch, Clifton	Z19A	Arizona,U.S.A.	33.2921N	109.2657W	1397	From 2007-04-03 to 2009-01-17
Tlyarata	TLTR	Dagestan	42.1060N	46.3540E	1450	From 2019-04-15
TMO PEDROTE	TIOV	Venezuela	10.4385N	66.4146W	830	From 2005-11-01
Tnine Tigouga, Taroudante	TTIG	Morocco	30.5470N	8.4410W	1200	
Tnine Yamani	TSY	Morocco	35.3728N	5.9700W		
Toad River Community Hall	TOAD	British Columbia,Canada	58.8499N	125.2333W	690	From 2016-06-13
TOALLA CHICA	EC19	Ecuador	1.0692S	80.6680W	203	From 2016-05-16
Toaza	TOAZ	Ecuador	0.1790S	78.6155W	4200	
Toaza - Volcan Guagua Pichincha	GGPT	Ecuador	0.2241S	78.6201W	3104	From 2012-08-30
Tobago	TOB	Trinidad and Tobago	11.1410N	60.8410W	15	From 1977-05-01 to 1999-08-25
Tobago Mt Moriah	TOMO	Trinidad and Tobago	11.2468N	60.7180W	246	From 2023-05-04
Tobago TEMA	TOEM	Trinidad and Tobago	11.1769N	60.7319W	4	From 2023-04-22
Tobarra	ETOB	Spain	38.6447N	1.5478W	855	
Tobermory, Bruce Peninsula National Park	TOBO	Ontario,Canada	45.2257N	81.5234W	169	From 2009-05-21
Tobishima	TBS	Akita,Japan	39.1920N	139.5560E	45	
Tobi-shima	JTB	Yamagata,Japan	39.1953N	139.5573E	50	
Tobi-shima	TOBT	Akita,Japan	39.1900N	139.5500E	20	
Tobruq	LTBQ	Libya	32.0557N	23.9210E	139	
Tochimilco	PPCL	Mexico	18.9100N	98.6190W	2405	
Tocklai	TOC	Assam,India	26.7500N	94.7667E	87	
Toco Health Centre	TOCO	Trinidad and Tobago	10.8366N	60.9833W	51	From 2023-08-30
Toconce	TCN	Antofagasta,Chile	22.2750S	68.1717W	3300	
Tocopilla	TCP	Antofagasta,Chile	22.1231S	70.2106W	10	
Tocopilla	TOCH	Antofagasta,Chile	22.0935S	70.2007W	45	From 2007-11-23
Tocopilla	TPL	Antofagasta,Chile	22.0978S	70.2094W	40	
Tocota	PP05	Peru	15.6555S	74.0865W	1005	
Todenfeld	TDN	Nordrhein-Westfalen,Germany	50.5748N	6.9446E	350	From 1996-11-01
Todoroki	TDR	Wakayama,Japan	34.1597N	135.3070E	50	
Todzha	TDJR	Tyva,Russia	52.4000N	96.1000E	1000	
Tofino	TOFB	British Columbia,Canada	49.1543N	125.9078W	13	From 2009-02-14
Togane	TOG	Chiba,Japan	35.5500N	140.3670E	9	
Tokachihiroo	JTHR	Hokkaido,Japan	42.2913N	143.2988E	54	From 2012-07-01
Tokai 1	TK01	Shizuoka,Japan	33.7650N	137.5900E	-2202	From 1979-09-01
Tokai 2	TK02	Shizuoka,Japan	33.9467N	137.7570E	-1542	From 1979-09-01
Tokai 3	TK03	Shizuoka,Japan	34.1650N	137.9650E	-817	From 1979-09-01
Tokai 4	TK04	Shizuoka,Japan	34.3850N	137.8750E	-722	From 1979-09-01
Tokat	TOKT	Turkey	40.3203N	36.5448E	726	From 1996-01-30
Tokat	TOKA	Turkey	40.3232N	36.4783E	679	From 2007-12-10
Tokmak	TKMK	Kazakhstan	42.8601N	75.3184E	960	
Tokmak	TTK	Turkey	39.7650N	28.0450E	430	From 1983-06-01 to 1987-01-31
Tokmak	BTOK	Turkey	39.7617N	28.0311E	407	From 2003-10-20
Tokmak 2	TKM2	Kazakhstan	42.9208N	75.5966E	2020	
Tok Microwave	TMW	Alaska,U.S.A.	63.3245N	142.9970W	495	From 1986-01-01
Tok Station 1	TOK1	Amurskaya Oblast',Russia	55.6965N	129.9770E	1419	
Tok Station 2	TOK2	Amurskaya Oblast',Russia	55.6016N	130.1575E	1419	
Tok Station 3	TOK3	Amurskaya Oblast',Russia	55.6733N	130.2541E	1203	
Tok Station 4	TOK4	Amurskaya Oblast',Russia	55.7420N	130.3360E	1400	
Toktogul	TOKL	Kyrgyzstan	41.9400N	72.8700E	1097	From 2009-11-27
Tokunoshima	JTK	Ryukyu Islands,Japan	27.7857N	128.9505E	170	
Tokushima	TKS	Tokushima,Japan	34.0650N	134.5770E	2	
Tokushima 2	TKSJ	Tokushima,Japan	33.9833N	134.0480E	180	
Tokuyama	TKJD	Gifu,Japan	35.6919N	136.4777E	400	
Tokyo	TOK	Tokyo,Japan	35.6867N	139.7583E	-285	
Tolaga Bay Area School	TBAS	North Island,New Zealand	38.3728S	178.3008E	8	From 2002-04-16
Tolbacick	TLBS	Kamchatskaya Oblast',Russia	55.7530N	160.4200E	1000	From 1975-07-05 to 1978-09-08
Toledo	H02A	Oregon,U.S.A.	44.6764N	123.9997W	209	From 2005-11-15 to 2008-01-23
Toledo	NE17	Spain	39.8814N	4.0486W	480	From 1933-01-01 to 1992-10-31
Toledo	TOL	Spain	39.8814N	4.0486W	480	From 1933-01-01 to 1992-10-31
Toledo BPA CREST BB SMO	TOLO	Oregon,U.S.A.	44.6219N	123.9225W	21	From 2001-10-23
Toledo HGLP	TLO	Spain	39.8600N	4.0147W	465	From 1971-08-01 to 1978-09-17
Tolfa	TOLF	Italy	42.0641N	12.0002E	371	From 2002-10-01
Tolfa - RM	TO01	Italy	42.1351N	11.9672E	203	From 2008-04-28 to 2009-04-02
Tolfa - RM	TO04	Italy	42.2044N	11.9393E	227	From 2008-04-11 to 2009-04-02
Tolicha Peak	TPK	Nevada,U.S.A.	37.2686N	116.8040W	2080	From 1979-06-11 to 1982-12-31
Tolicha Peak	TI-NV	Nevada,U.S.A.	37.2853N	116.8669W	1524	
Tolima	TOLC	Colombia	4.5853N	75.3203W	2577	From 1994-01-01
Tolitoli	TOLI2	Sulawesi,Indonesia	1.1112N	120.7817E	50	From 2012-07-21
Toli-Toli	TOLI	Sulawesi,Indonesia	1.1214N	120.7944E	86	From 2008-07-01 to 2012-07-11
Tolkaevka	TLKV	Orenburgskaya Oblast'	52.5540N	53.2799E	154	From 2014-07-02
Tolkkila, Finland	KY06	Finland	60.8358N	26.6851E	65	From 2019-06-20
Tolley Road	TLZ	North Island,New Zealand	38.3294S	175.5380E	601	From 2009-05-07
Tollhouse, CA USA	TOLH	California	36.9501N	119.4415W	390	From 2019-11-01
Tolmezzo	TLM	Italy	46.4014N	13.0144E	322	
TOLMEZZO	TLM2	Italy	46.3814N	12.9839E	519	From 2010-12-20
Tololo Astronomical Observatory	TLL	Coquimbo,Chile	30.1672S	70.8045W	2200	From 1970-01-01
Tololo Observatory, Vicuna	GO04	Coquimbo,Chile	30.1727S	70.7993W	2116	
Tolsona	TOA	Alaska,U.S.A.	62.1048N	146.1720W	909	From 1971-09-15 to 2004-08-19
Tolsona, Glennallen	M24K	Alaska,U.S.A.	62.1067N	146.1750W	908	From 2014-08-02
Tolsta	RTO	Scotland,United Kingdom	58.3778N	6.2092W	74	From 1995-09-10
Toltan Ranch, Big Piney	K18A	Wyoming,U.S.A.	42.6372N	110.0417W	2129	From 2007-11-06 to 2009-05-15
Tolt Reservoir	C05A	Washington,U.S.A.	47.6947N	121.6895W	541	From 2005-11-29 to 2008-02-21
Tolt Reservoir	TTW	Washington,U.S.A.	47.6944N	121.6901W	542	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
TOLUCA	TOVM	Mexico State,Mexico	19.2828N	99.6777W	2727	From 2009-06-16
Tomahawk	TM-WS	Wisconsin,U.S.A.	45.4919N	89.5031W	488	
Tomahawk	TM-	Wisconsin,U.S.A.	45.4919N	89.5031W	488	
Tomahawk Gully	TMP	South Island,New Zealand	44.3133S	170.1201E	720	From 1975-06-18 to 1997-04-30
Tomakomai	TMR	Iburi,Japan	42.6333N	141.5830E	8	
Tomales Bay	NTBM	California,U.S.A.	38.2478N	122.9310W	128	
Tomamai	TOI	Rumoi,Japan	44.2212N	141.6837E	40	
Tomar	PTOM	Portugal	39.6180N	8.4107W	210	
Tomatlan	TOMAT	Jalisco	19.9552N	105.2398W	97	
Tom Butte, Newberry	TMBU	Oregon,U.S.A.	43.6019N	121.1445W	1743	From 2011-11-16
Tom, Dick, Harry Mountain	TDH	Oregon,U.S.A.	45.2898N	121.7900W	1541	From 1982-09-01
Tom-Au,PA,Brazil	TMAB	Para	2.3704S	48.0957W	26	From 2014-08-09
Tomie	TOM	Nagasaki,Japan	32.6083N	128.7650E	28	
Tomo, Jawa Barat	TOJI	Indonesia	6.7621S	108.1344E	73	From 2019-10-01
Tomoni, Sulawesi Selatan	TLCM	Indonesia	2.5092S	120.7944E	86	From 2019-01-01
Tonala	TON2	Jalisco	20.6245N	103.2357W	1660	
Tonalea, Kykotsmovi	V17A	Arizona,U.S.A.	35.6218N	110.7938W	1596	From 2008-02-14 to 2009-02-06
TONANKAI O.B.S1	TTO1	Japan	33.6222N	136.7847E	-2068	From 2008-10-01
TONANKAI O.B.S2	TTO2	Japan	33.7347N	137.0272E	-2100	From 2008-10-01
TONANKAI O.B.S3	TTO3	Japan	33.8630N	137.3977E	-1000	From 2008-10-01
TONANKAI O.B.S4	TTO4	Japan	34.0080N	137.5382E	-1836	From 2008-10-01
TONANKAI O.B.S5	TTO5	Japan	34.2522N	137.7163E	-1019	From 2008-10-01
Tonantzintla	IIT	Puebla,Mexico	19.0210N	98.3080W	2205	
Tonasket	TK-WA	Washington,U.S.A.	48.7939N	119.5878W	549	From 1963-08-21 to 1964-05-17
Tonasket	TK-	Washington,U.S.A.	48.7939N	119.5878W	549	From 1963-08-21 to 1964-05-17
T'onet'i	TNTG	Georgia,Georgia	41.6600N	44.4100E	120	
Tonga Park, Forbury	DKHS	South Island	45.9022S	170.4929E	13	From 2002-06-06
Tongareva I.	TG-	Cook Islands	9.0600S	158.0356W	3	From 1962-04-30 to 1962-11-04
Tongareva Island	TG-IS	Cook Islands	9.0600S	158.0356W	3	From 1962-04-30 to 1962-11-04
Tongariro	TON	North Island,New Zealand	39.2010S	175.5382E	1120	From 1945-10-01 to 1966-04-23
Tongatapu	TNGT	Tonga	21.1500S	175.1830W	10	
Tongmen	ETM	Taiwan region	23.9655N	121.4928E	190	From 2015-05-12
Tongo	TGO	Democratic Republic of the Congo	1.2081S	29.2733E	1415	From 2014-09-09 to 2022-07-01
Tongue	OTO	Scotland,United Kingdom	58.4953N	4.3940W	338	From 1995-09-21
TONGYEONG	KSTOY	Republic of Korea	34.8454N	128.4356E	32	From 2006-12-30
Tonnelnyy	TNL	Buryatiya,Russia	56.2890N	113.3540E	820	
Tonnes	NBB40	Norway	66.5130N	13.0097E	15	From 2013-08-01 to 2016-06-01
Tonopah	TPV	Nevada,U.S.A.	38.0658N	117.2280W	1890	From 1965-01-01 to 1970-12-31
Tonopah	R09A	Nevada,U.S.A.	38.2397N	117.0718W	1759	From 2006-06-10 to 2008-03-22
Tonopah	TNP	Nevada,U.S.A.	38.0820N	117.2180W	1932	From 1963-10-11
Tonopah	TPH	Nevada,U.S.A.	38.0750N	117.2225W	1883	From 1961-09-01
Tonopah Range, Tonopah	S10A	Nevada,U.S.A.	37.9230N	116.5948W	1796	From 2007-01-22 to 2008-09-12
Tonosi	TOSI3	Panama	7.4077N	80.4408W	29	
Tonra, Sulawesi Selatan	TBCM	Indonesia	4.9118S	120.2830E	64	From 2019-01-01
Tonto Forest Array	TFO	Arizona,U.S.A.	34.2678N	111.2700W	1492	From 1963-01-01 to 1975-03-31
Tonto Hills Observatory	THO	Arizona,U.S.A.	33.8753N	111.8740W	1134	From 1973-02-04 to 1974-07-31
Tony Mavity, Velonia	W41A	Arkansas,U.S.A.	35.1736N	92.2478W	95	From 2011-04-06 to 2011-08-06
Toogoolawah	WTGQ	Queensland,Australia	27.1458S	152.3330E	130	From 1977-03-18
Toolangi	TOO	Victoria,Australia	37.5714S	145.4910E	604	From 1962-01-01
Toolik Lake Research Station	TOLK	Alaska,U.S.A.	68.6408N	149.5724W	760	From 2011-08-13
Tooma soojaam, Jogeva	EE03	Estonia	58.8728N	26.2728E	89	From 2015-05-26
Toone Canyon	TCUT	Utah,U.S.A.	41.1178N	111.4085W	2320	From 1989-08-01
Toowoomba	WOOM	Queensland,Australia	27.5441S	151.9720E	759	
Toowoomba 1 Hard	TW1H	Queensland,Australia	27.5442S	151.9720E	730	From 2009-01-01
Toowoomba State High School	AUTOO	Queensland,Australia	27.5500S	151.9700E	687	From 2013-08-11
Topalu	TLBR	Romania	44.5445N	28.0467E	115	From 2014-04-08
Topalu	TLB	Romania	44.5858N	28.0420E	60	
Tophouse	THZ	South Island,New Zealand	41.7625S	172.9052E	747	From 1989-12-02
Topkok	TKK	Alaska,U.S.A.	64.5558N	163.9970W	122	
Toplita	RO02A	Romania	46.9461N	25.3083E	958	From 2022-08-25
Topo	TOPO	Azores,Portugal	38.5910N	27.9190W	645	
Topolobambo	TSIG	Sinaloa	25.6000N	109.0400W	5	From 2010-11-10
Topolobampo	TPB	Sinaloa,Mexico	25.5967N	109.0530W	25	
Topolog	TOPG	Romania	44.8764N	28.3782E	218	From 2013-10-23
Topolog	TPGR	Romania	44.8565N	28.4196E	449	From 2014-10-16
Topolovo	TOP	Kamchatskaya Oblast',Russia	53.2300N	158.0410E	200	
Topopah Spring	TPNV	Nevada,U.S.A.	36.9488N	116.2495W	1600	From 1992-06-15
Topo S. Jorge	PTOPO	Azores	38.5493N	27.7551W	42	From 2015-05-19
Toppenish Ridge	TR-WA	Washington,U.S.A.	46.2633N	120.5167W		
Toppenish Ridge	TRW	Washington,U.S.A.	46.2921N	120.5431W	723	From 1994-10-14
Toppo Di Castelgrande (Osservatorio Astronomico)	CSG3	Italy	40.8181N	15.4633E	1253	
Toppo, Italy	TOPPO	Italy	46.1987N	12.8170E	258	From 2009-03-25
Tor 1	TR1	Egypt	28.0068N	33.9521E	277	
Tor 2	TR2	Egypt	28.3853N	33.7227E	240	
Torbali	DUVT	Turkey,Turkey	38.2200N	27.4491E	246	
Torbat-e-JAM	TBJM	Iran	35.2679N	60.3292E	1740	From 2015-09-17
Torbat heydarieh	TBHD	Iran	35.4133N	59.2361E	1759	From 2015-11-18
T or C	TC-	New Mexico,U.S.A.	33.1842N	107.4617W	1524	From 1961-12-20 to 1962-05-03
Torcal de Antequera, Malaga	E013	Spain	36.9641N	4.5340W	1221	From 2007-10-05 to 2009-06-23
Tordecillas	TORR	Spain	36.9723N	4.0743W	1321	
Torete	ETOR	Spain	40.8194N	2.0552W	1018	From 1988-03-01
Toribari	TORI	Manipur,India	25.0857N	93.5742E	40	From 2012-01-01
Torino	TNO	Italy	45.0588N	7.6969E	260	From 1971-05-06
Tori shima	TOR	Bonin Islands,Japan	30.4817N	140.3050E	82	
TORKOZ	MTOR	Morocco	28.4948N	9.8487W	316	From 2010-01-01
Tornio	TOF	Finland	66.0799N	24.3246E	50	From 2011-01-27
Tornquist	TRQA	Argentina	38.0567S	61.9795W	501	
Torny/Romont	TORNY	Switzerland	46.7737N	6.9586E	758	From 2000-01-25
Toro	NTORO	Nigeria	10.0551N	9.1181E	882	
Toro Cenizo, Nagua	LONA1	Dominican Republic	19.3801N	69.8649W	51	From 2015-11-24 to 2018-09-03
Torococo	TORV	Venezuela	9.5600N	70.2300W	1250	
Torodi Ar. Beam	TORD	Niger	13.1477N	1.6947E	214	
Torodi Ar. Site	TOB5	Niger	13.1536N	1.6806E	218	
Torodi Ar. Site	TOC7	Niger	13.1638N	1.6787E	224	
Torodi Ar. Site	TOC6	Niger	13.1483N	1.6655E	225	
Torodi Ar. Site	TOC5	Niger	13.1282N	1.6751E	231	
Torodi Ar. Site	TOC4	Niger	13.1216N	1.6994E	231	
Torodi Ar. Site	TOC3	Niger	13.1370N	1.7205E	214	
Torodi Ar. Site	TOA2	Niger	13.1477N	1.7004E	216	
Torodi Ar. Site	TOA3	Niger	13.1422N	1.6933E	216	
Torodi Ar. Site	TOA1	Niger	13.1529N	1.6919E	220	
Torodi Ar. Site	TOB1	Niger	13.1613N	1.6934E	231	
Torodi Ar. Site	TOC2	Niger	13.1568N	1.7204E	221	
Torodi Ar. Site	TOC1	Niger	13.1721N	1.7017E	233	
Torodi Ar. Site	TOA0	Niger	13.1477N	1.6947E	214	
Torodi Ar. Site	TOB2	Niger	13.1532N	1.7071E	216	
Torodi Ar. Site	TOB3	Niger	13.1376N	1.7042E	215	
Torodi Ar. Site	TOB4	Niger	13.1386N	1.6838E	226	
Toronto	TNT	Ontario,Canada	43.6667N	79.4000W	111	From 1897-01-01 to 1942-12-31
Toronto--Leslie Street Spit	TORO	Ontario,Canada	43.6136N	79.3433W	80	From 2004-05-04
Torosgyugh	TORS	Armenia	40.9350N	43.8733E	1910	
ToroToro	SOET	Bolivia	18.1155S	65.8113W	2848	From 2016-09-15
Torpederas	VA01	Valparaso,Chile	33.0229S	71.6474W	37	From 2013-09-03
TORRECUSO	TOR05	Italia	41.1898N	14.6800E	450	From 2016-06-11
Torre del Filo	ETFI	Sicily,Italy	37.7391N	14.9969E	2992	From 1994-10-01
Torre dell'Olmo (Gubbio) - PG	AT10	Italy	43.3196N	12.6942E	571	From 2010-04-20
Torrens Terrace Wellington	TRTW	North Island,New Zealand	41.2987S	174.7739E	25	From 2012-02-10
Torre Pacheco	EXTPC	Spain	37.7433N	0.9575W	44	
Torres, Weston	T24A	Colorado,U.S.A.	37.0738N	105.0521W	2510	From 2008-06-27 to 2009-08-13
Torrevieja	EXTO	Spain	37.9920N	0.6890W	25	
Torrevieja, Alicante	E035	Spain	37.9950N	0.9356W	302	From 2008-04-25 to 2009-10-07
Torrita	MZ16	Italy	42.6199N	13.2200E	1003	From 2016-09-27 to 2016-10-26
Torrita	MZ15	Italy	42.6175N	13.2200E	1083	From 2016-09-27 to 2016-10-26
Torsby	TBY	Sweden	60.0790N	12.8300E	285	From 1978-01-01
Torshavn	FTO	Faeroe Islands	62.0199N	6.8274W		
Tortengo (Faido)	TONGO	Switzerland	46.4870N	8.7899E	864	From 2005-12-15
Torti	TOTI	Panama	8.9304N	78.3103W	106	From 2016-07-01
Tortola	TBVI	Virgin Islands	18.4167N	64.6167W	3	
Tortoreto Alta	TRTR	Italy	42.8081N	13.9138E	160	From 2006-11-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tortugero	TRT2	Costa Rica	10.5574N	83.7353W	46	From 2013-12-17
Tortuguero	TRTC	Costa Rica	10.5753N	83.7135W	105	From 1996-01-01
Tortuguero	TRT1	Costa Rica	10.5973N	83.6995W	63	
Tory Channel	TCW	South Island,New Zealand	41.2103S	174.2764E	197	From 1977-03-28
Tosashimizu	JTO	Kochi,Japan	32.8597N	132.8022E	180	
Toshimahigashiyama	JTHY	Tokyo,Japan	34.5237N	139.2883E	147	From 2012-07-01
Tosontsengel	TSC	Mongolia	48.7700N	98.2500E	1450	
Tosya	TOS	Turkey	41.0360N	34.0230E	1046	
TOTAH	TOTH	Syria	33.3613N	36.4283E	696	From 2004-01-01
Toteng	TOT1	Botswana	20.3770S	22.9650E	940	From 2001-01-01 to 2100-12-31
Tottori	TOT	Tottori,Japan	35.4850N	134.2400E	18	
Tottori	TTT	Tottori,Japan	35.5147N	134.2378E	10	
Tottori	TOTJ	Tottori,Japan	35.4783N	134.2720E	27	From 1979-01-01
Touazithe	M010	Morocco	34.2062N	6.3353W	121	
Toucheng	NTC	Taiwan region	24.8544N	121.8297E	4	From 2008-10-20
Toulon	O07A	Nevada,U.S.A.	40.1614N	118.8772W	1203	From 2006-03-01 to 2008-03-19
Toulx Ste Croix	TCF	Limousin,France	46.2881N	2.2100E	593	
Toumodi	TIC	Ivory Coast	6.6447N	5.0200W	263	From 1967-06-01
Tounfite	TNF	Morocco	32.5300N	5.3190W	2250	From 1993-01-01
Tounfite	TFT	Morocco	32.0580N	5.2670W	0	
Touros	NBTO	Rio Grande do Norte	5.1904S	35.4729W	8	From 2022-08-04
Touzarine	TOU	Morocco	34.9620N	3.7540W	1126	From 1993-01-01
Tovacov	A088A	Czech Republic	49.4303N	17.2911E	211	From 2015-09-24
Tovanakuss	ETV	New Britain,Papua New Guinea	4.2062S	151.6677E	30	
Tovuz,Azerbaijan	TOVZ	Azerbaijan	40.7325N	45.5633E	1418	From 2021-04-08
Tower One	TOW	California,U.S.A.	35.8090N	117.7640W	684	
Townsend	357A	Georgia,U.S.A.	31.4239N	81.4855W	7	From 2012-03-15
Townsend	TSTN	Tennessee,U.S.A.	35.6766N	83.7040W	341	
Townsville	TVL	Queensland,Australia	19.2617S	146.7680E	5	
Townsville Hard Rock	TV1H	Queensland,Australia	19.2614S	146.7954E	65	From 2009-01-01
Townsville Soft Rock	TV2S	Queensland,Australia	19.2904S	146.7890E	17	From 2012-08-02
Towuti, Sulawesi Selatan	TOCM	Indonesia	2.6474S	121.4080E	342	From 2019-01-01
Toxpalan	TOIG	Oaxaca	18.0957N	97.0646W	1030	From 2012-09-12
Toyama	TOY	Toyama,Japan	36.7067N	137.2050E	10	
Toyohashi	TYH	Aichi,Japan	34.7626N	137.4701E	76	
Toyohira	JHT	Hiroshima,Japan	34.6625N	132.4210E	470	
Toyone	TYNN	Aichi,Japan	35.1329N	137.6696E	650	
Toyo'oka	TYK	Hyogo,Japan	35.5333N	134.8250E	4	
Toyota	JTY	Yamaguchi,Japan	34.2627N	131.0645E	120	
Toytepa	TTPA	Uzbekistan	41.0536N	69.3574E	380	
Toytepa	TOYT	Uzbekistan	41.0269N	69.3629E	401	
Trabuc cave	TRBF	Languedoc-Rousillon,France	44.1054N	3.9587E	-142	From 2010-12-06
Trabzon	MACK	Turkey	40.9432N	39.7686E	611	From 2005-08-06
Trabzon	KTUT	Turkey	40.9870N	39.7667E	171	From 2006-08-17
Trabzon	TBZ	Turkey	40.9944N	39.7761E	57	From 1976-07-10 to 1999-08-25
Tracy	TY-	Minnesota,U.S.A.	44.3458N	95.5197W	351	
Tracy	TY-MN	Minnesota,U.S.A.	44.3458N	95.5197W	351	
Tradedollar Lake	TDL	Washington,U.S.A.	46.3508N	122.2160W	1400	
Trail	C33A	Minnesota,U.S.A.	47.7586N	95.7725W	388	From 2010-08-26 to 2012-09-11
Trail	TRH	Hawaii,U.S.A.	19.4152N	155.5490W	3207	
Trail Creek	YTC	Wyoming,U.S.A.	44.2965N	110.2320W	2360	
Trail Mountain	TMUT	Utah,U.S.A.	39.2965N	111.2082W	2733	
Tram Tau	TTVN	Vietnam	21.4720N	104.3570E	50	From 2003-01-01
Tramutola	MARCO	Italy	40.2972N	15.8063E	889	From 2018-06-28
Tramutola	TRAE	Italy	40.3299N	15.7553E	714	From 2021-09-22
Tran	TRAN	Bulgaria	42.8346N	22.6511E	700	
Trang	TRTT	Thailand	7.8362N	99.6912E	71	
Tranquillity	TQTN	Tennessee,U.S.A.	35.5160N	84.7258W	260	
Tranquitos	TSA	Salta,Argentina	22.3889S	63.7753W	425	
Trapeza	TRAZ	Greece	38.1685N	22.2121E	668	From 2010-09-27
Trapper Creek	TRAP	Alaska,U.S.A.	62.3350N	150.2440W	127	
Trask Mountain	TKO	Oregon,U.S.A.	45.3713N	123.4540W	1024	From 1991-08-20
Traveller	TRWZ	North Island,New Zealand	41.3980S	175.6879E	379	From 2005-06-22
Traversella	TRAV	Italy	45.5127N	7.7470E	990	From 1996-01-01
Travnik	TRA	Bosnia and Herzegovina	44.2167N	17.6833E		
Trebel	GORT1	Germany	52.9903N	11.3075E	-278	From 2009-11-11
Trebinje	TREB	Bosnia and Herzegovina	42.7170N	18.3500E	300	From 2004-06-29
Tree Lodge	TREE	Tanzania,United Republic of Tanzania	3.6698S	35.7467E	964	
Tregnago	TREG	Italy	45.5230N	11.1606E	342	From 2011-09-07
TREGNAGO	TGG	Italy	45.5620N	11.1827E	762	From 2010-07-29
Treia	TRE1	Italy	43.3112N	13.3128E	330	From 2011-03-29
Trelew	TRWA	Chubut,Argentina	43.2652S	65.3773W	0	
Tremoli - CS	T0724	Italy	39.8488N	15.8765E	356	From 2012-10-27 to 2013-05-31
Tremosine Garda	PDN3	Italy	45.8129N	10.7377E	677	From 2021-07-22
Tremp	CTRM	Spain	42.1609N	0.8936E	440	From 2013-04-18
Tremp	CTRE	Spain	42.3242N	0.7736E	1318	From 2006-07-01
Trente	TRE	Italy	39.2833N	16.3167E	534	
Trento	TRTO	Italy	46.1245N	11.0992E	264	From 2019-02-20
Trento, Gardasee/Lago di Garda	LUSI	Italy	45.9595N	10.9436E	852	From 2012-09-19
Tres Cuevas	TTX	Texas,U.S.A.	29.3164N	103.7180W	1006	
Tres Isletas	TICA	Jujuy	26.3886S	60.3828W	101	From 2016-12-06 to 2099-12-12
TRES LAGOS	ASCTL	Patagonia	49.6064S	71.4356W	322	
Tres Palmas, SCA	SCAMX	Baja California	31.7713N	116.5067W	130	
Tres Palos	PALV	Venezuela	10.4489N	71.6299W	1	
Tres Piedras	TD-	New Mexico,U.S.A.	36.6556N	106.1717W	2926	From 1963-08-22 to 1963-11-26
Tres Piedras	TD-NM	New Mexico,U.S.A.	36.6556N	106.1717W	2926	From 1963-08-22 to 1963-11-26
Tres Rios	TRIO	Costa Rica,Costa Rica	9.9050N	83.9940W	1338	
Tres Rios	TRRB	Rio de Janeiro,Brazil	22.1541S	43.1955W	222	
Trest	TREC	Czech Republic	49.2948N	15.4871E	559	From 2005-07-12
Tretes	TRT	Jawa,Indonesia	7.7040S	112.6350E		
Trevaresse	TREF	Provence-Cote d'Azur,France	43.6242N	5.3838E	460	From 1988-04-08 to 2010-03-24
Trevi	TREV	Italy	42.8768N	12.7444E	370	From 2011-10-01
Trevi	TRE2	Italy	42.8761N	12.7361E	226	From 2021-09-14
Treviso	TRV	Italy	45.6667N	12.1833E	14	
Trewern Hill	HTR	Wales,United Kingdom	52.0790N	3.2697W	329	From 1982-01-01
Triada, N038	N038M	Greece	41.0791N	23.2186E	481	
Trialeti	TRLG	Georgia,Georgia	41.5392N	44.1018E	1600	From 2012-08-18
Trialeti	TRLT	Georgia	41.5696N	44.1542E	1668	From 2021-08-11
Triangle-X Ranch	TRXW	Wyoming,U.S.A.	43.7493N	110.5634W	2256	From 1986-01-01
Tribune	R28A	Kansas,U.S.A.	38.3423N	101.8106W	1108	From 2009-04-12 to 2011-03-18
Tricao	G09S	Maule	34.9803S	71.4403W	191	
Tricarico	BTRC	Italy	40.6180N	16.1414E	799	From 2010-03-19
Tricerro	A283B	Italy	45.2380N	8.2885E	195	From 2016-03-17
Tricerro	A283A	Italy	45.2296N	8.3208E	185	From 2015-09-17 to 2016-03-17
Trident Resrch Ctr	TRSC	South Carolina,U.S.A.	32.8718N	80.0336W	7	
Triemli, ZR	EWZT0	Switzerland	47.3670N	8.4964E	224	From 2009-10-10
Triesenberg, Werkhof, FL	STRW	Switzerland	47.1165N	9.5503E	1030	From 2014-10-15
Trieste	TTE	Italy	45.6460N	13.7620E	3	From 1989-01-01
Trieste	DST2	Italy	46.2450N	12.9240E	80	
Trieste	TRI	Italy	45.7089N	13.7642E	161	From 1963-07-29
Trieste (CM)	TRS	Italy	45.6428N	13.7539E	8	
Trifonti	TRIF	Italy	43.1148N	10.9026E	596	From 2010-05-17
Trigal station	BMAS	Ecuador	1.5028S	78.4793W	2953	From 2007-03-08
Trigance	TRIGF	Provence-Cote d'Azur,France	43.7472N	6.4075E	1050	From 2012-03-31
Trig B	TBC	South Island,New Zealand	45.1447S	169.3304E	619	From 1986-12-09 to 1996-05-01
Trig L	TLC	South Island,New Zealand	45.1897S	169.0714E	1393	From 1989-06-29 to 1996-04-27
Trikala	TRKA	Greece	39.5532N	21.7661E	118	
Trimble	LDRT	Tennessee	36.1878N	89.1663W	82	From 1989-10-18 to 1991-10-23
Trimble, BRGM	BRGN	Tennessee	36.2022N	89.1539W	81	From 1989-12-13
Trims Highway	THY	Alaska,U.S.A.	63.4167N	145.7520W	732	From 1986-01-01
Trindle Farm, Earlham	M37A	Iowa,U.S.A.	41.4028N	94.0575W	325	From 2010-10-28 to 2012-08-29
Trinidad	TFLO	Uruguay	33.5045S	56.8765W	121	From 2023-01-15
Trinidad	T25A	Colorado,U.S.A.	37.1388N	104.4108W	2017	From 2008-05-25
Trinidad (USA)	TJC	Colorado,U.S.A.	37.2169N	104.6910W	2103	
Trinidad (USA)	TDC	Colorado,U.S.A.	37.2536N	104.3350W	1750	From 1970-01-01 to 1972-11-30
Trinidad (W)	TRN	Trinidad and Tobago	10.6480N	61.4030W	24	From 1959-08-06
Trinity Center, CA	N02D	Oregon,U.S.A.	40.9740N	122.7050W	937	From 2009-11-05
Trinity Mountain	TYI	Idaho,U.S.A.	43.6000N	115.4520W	2613	
Trinity Point	TPOR	Oregon,U.S.A.	45.0244N	117.0860W	2000	From 1991-09-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Triple J Farms, Joplin	A17A	Montana,U.S.A.	48.9448N	110.6994W	973	From 2007-11-17 to 2009-08-16
Tripoli	TRIP	Italy	37.5278N	22.2708E	820	From 2010-06-27
Tripoli	LTRP	Libya	32.8447N	13.1633E	83	
Tripolis, Arkadia	TRP1	Greece	37.5112N	22.3630E	704	From 2010-11-01
Tripoli, TRI	TRISI	Greece	37.5077N	22.4532E	841	
Tripped Ranch	TPRS	California,U.S.A.	34.0888N	118.5870W	-1	From 1985-11-01
Tristan da Cunha	TRIS	Tristan da Cunha	37.0682S	12.3152W	55	
TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	TDCI	Tristan da Cunha	37.0900S	12.3319W	81	From 2005-03-24
TRISTAN DA CUNHA T-PHASE SITE N1	H09N1	Tristan da Cunha	37.0681S	12.3152W	0	From 2004-03-17
TRISTAN DA CUNHA T-PHASE SITE W1	H09W1	Tristan da Cunha	37.0972S	12.3350W	0	From 2004-03-17
Tristan de Cunha	TDC1	Tristan da Cunha	37.0716S	12.3096W		
Trivandrum	TRVM	Kerala,India	8.5080N	76.9585E	30	
Trivandrum	TRD	Kerala,India	8.5080N	76.9585E	64	From 1966-08-15
Trivento	TRIV	Italy	41.7666N	14.5502E	598	From 2005-03-17
Trizonia	TRIZ	Greece	38.3655N	22.0727E	57	
Trois Ilets	TRMF	Martinique,France	14.5363N	61.0512W	78	
Trois Rivieres	FBG	Guadeloupe,France	15.9797N	61.6478W	185	
Trois Rivieres	TVG	Guadeloupe,France	15.9797N	61.6478W	185	
Troitsky	TRCK	Orenburgskaya Oblast',Russia	51.6435N	54.2593E	69	From 2011-12-20
Trojmez	TRCW	Czech Republic	50.3032N	12.1448E	566	From 1991-01-01
Troll, Antartica	TROLL	Dronning Maud Land	72.0082S	2.5300E	1399	From 2012-02-05
Tromm	TOD	Hessen,Germany	49.6059N	8.8038E	568	From 1974-10-01 to 2016-12-31
Tromso	TRO	Norway	69.6325N	18.9281E	15	From 1993-08-06
Trondheim	TRON	Norway	63.4545N	10.4363E	34	
Trondheim	TBLU	Norway	63.2518N	10.2607E	232	From 2008-12-05
Troodos	TROD	Cyprus	34.9472N	32.8661E	1855	From 2016-11-10
Tropicana Mine	TROP	Western Australia	29.2132S	124.4752E	399	From 2022-07-20 to 2032-08-01
Tropico Hills	TPO	California,U.S.A.	34.8788N	118.2280W	799	
Trosnyk	TRSU	Carpathian Mountains	48.0950N	22.9570E	120	From 1998-01-01
Trotters	TS-ND	North Dakota,U.S.A.	47.1069N	103.6731W	816	From 1964-10-02 to 1965-05-14
Trotters	TS-	North Dakota,U.S.A.	47.1069N	103.6731W	816	From 1964-10-02 to 1965-05-14
Trough	VTHM	Oregon,U.S.A.	45.1812N	120.5610W	773	
Trough Springs	GTSM	California,U.S.A.	39.3117N	122.6030W	1103	
Trough Springs near Fouts Spring, CA USA	GTSB	California	39.3117N	122.6035W	1043	From 2020-08-01
Trout Butte	TCBU	Oregon,U.S.A.	44.2408N	122.6644W	1646	
Trout Creek	C12A	Montana,U.S.A.	47.7039N	115.4811W	782	From 2006-09-22 to 2006-12-03
Trout Creek Butte	VTCM	Oregon,U.S.A.	44.9137N	121.6660W	1690	
Trout Creek Butte at 3-Sisters	TCBUT	Oregon,U.S.A.	44.2408N	121.6644W	1646	From 2008-04-22
Trout Gulch Road	JTGM	California,U.S.A.	37.0285N	121.8777W	204	From 1975-10-02
Trout Lake	TT-MI	Michigan,U.S.A.	46.2097N	85.1678W	259	
Trout Lake	TT-	Michigan,U.S.A.	46.2097N	85.1678W	259	
Troy	H64A	Maine,U.S.A.	44.6412N	69.2203W	158	From 2013-09-18
Troy	LEPT	Tennessee	36.2988N	89.1270W	88	From 1989-10-18 to 1992-03-11
Troy	TRY	New York,U.S.A.	42.7311N	73.6669W	131	From 1960-01-01
Troy Canyon	TRCR	Nevada,U.S.A.	38.3497N	115.5852W	1815	
Troy Canyon, Currant	R11A	Nevada,U.S.A.	38.3489N	115.5854W	1756	From 2007-02-09
Troy Canyon, Currant	R11B	Nevada,U.S.A.	38.3489N	115.5854W	1767	From 2017-03-20
Troy, FSHM	FSHN	Tennessee	36.3641N	89.1542W	84	From 1989-11-05 to 1990-08-08
Trozza	TROT	Tunisia	35.5617N	9.6002E	900	
Trudelj	TRUS	Serbia	44.2235N	20.4063E	340	From 2006-10-22
Trude Siding	YPTS	Idaho,U.S.A.	44.4623N	111.3525W	1926	
Truellikon	TRULL	Switzerland	47.6487N	8.6816E	525	From 2003-08-29
Trujillo	TRP	Peru	8.0780S	78.8610W		
Trujillo	TUV	Venezuela	9.3510N	70.4510W	0	
Truk	TRU	Caroline Islands,Micronesia	7.4458N	151.8560E	107	From 1949-03-01 to 1999-08-25
Truth or Consequences (T or C)	TC-NM	New Mexico,U.S.A.	33.1842N	107.4617W	1524	From 1961-12-20 to 1962-05-03
Truxton	Q41A	Missouri,U.S.A.	38.9539N	91.2317W	191	From 2011-08-05 to 2013-04-13
Tryon Peak	TRYN	North Carolina,U.S.A.	35.2460N	82.2670W	915	From 1983-03-22
Tsaile	TSL	Arizona,U.S.A.	36.3722N	109.2440W	2012	From 1975-05-22 to 1999-08-25
Tsaishi	ZSH	Georgia,Georgia	42.4280N	41.8061E	45	From 1984-01-01
Tsauling	CHN5	Taiwan region	23.5970N	120.6780E	840	
Tsaushan	CHN4	Taiwan region	23.3510N	120.5930E	205	
Tschierv	STSP	Switzerland	46.6266N	10.3332E	1699	From 2006-08-16
Tsdo	TSDO	Georgia	42.6881N	44.6302E	1823	From 2021-09-24
Tsebel'da	TSE	Georgia,Georgia	43.0167N	41.2833E	430	
Tsetserleg	TTS	Mongolia	47.4800N	101.4400E	1760	
Tsey	ZEI	Severo-Osetinskaya,Russia	42.7881N	43.9014E	1926	
Tsey	CEYK	Georgia	42.7870N	43.9000E	1900	From 1999-06-01 to 2006-07-04
Tsiigehtchic	F31M	Northwest Territories,Canada	67.4410N	133.7420W	56	From 2016-08-22
Tsikhis-Dzhvari	TDG	Georgia,Georgia	41.7170N	43.4330E		
Tsim Bei Tsui	THK	Hong Kong,China	22.4863N	114.0117E	4	
Tsina	TSIM	Alaska,U.S.A.	61.2262N	145.3370W	1113	
Tsipikan	ZIP	Buryatiya,Russia	54.9100N	113.3400E	1050	From 1975-01-01 to 1986-12-31
Tsirk	CIRR	Kamchatskaya Oblast',Russia	56.1153N	160.7481E	1420	
Tsit'eli Tsqaro	ZTZ	Georgia,Georgia	41.4600N	46.1100E	800	
TS Leibis	LEIB1	Thuringen,Germany	50.5761N	11.1978E	480	From 2014-03-19
TS Neustadt	NEUST	Thuringen	51.5783N	10.8643E	484	From 2015-11-01
Tsodilo	TSD1	Botswana	18.7070S	21.7130E	1045	From 2001-01-01 to 2100-12-31
Tsokhamarg	TSOZ	Armenia	40.9500N	43.8670E	1970	
Tsomo village,Eastern Cape	TSOMO	South Africa	31.9900S	27.7953E	931	From 2021-12-03
Tsoukalades, Lefkada island	TSLK	Greece	38.8249N	20.6554E	212	From 2012-10-09
Tsu	TSU	Mie,Japan	34.7017N	136.5180E	4	
Tsu	TSU1	Mie,Japan	34.7300N	136.5233E	18	
Tsu 2	TSUJ	Mie,Japan	34.7097N	136.4193E	30	From 1988-03-19
Tsukechi	TKC	Gifu,Japan	35.6534N	137.4662E	690	
Tsukuba	TSK	Ibaraki,Japan	36.2108N	140.1100E	280	From 1966-04-01
Tsumeb	TSUM	Namibia	19.2022S	17.5838E	1240	From 1994-09-01
TSUMEB INFRASONIC ARRAY REFERENCE POINT	TSNA	Namibia	19.1913S	17.5768E	1253	From 2003-03-19
Tsuna	JAJ2	Hyogo,Japan	34.4192N	134.8850E	85	
Tsuna	TNAK	Hyogo,Japan	34.4180N	134.8849E	90	
Tsuno	JTSN	Miyazaki,Japan	32.2455N	131.5045E	130	From 1997-03-01
Tsuruga	TSRJ	Fukui,Japan	35.5367N	135.9830E	47	From 1978-01-01
Tsuruga	TSR	Fukui,Japan	35.6500N	136.0650E	2	
Tsurugi yama	TSS	Tokushima,Japan	34.0417N	134.1700E	57	
Tsushima	JTU	Nagasaki,Japan	34.5243N	129.3987E	70	
Tsushimamitsushima	JTSM	Nagasaki,Japan	34.3386N	129.3849E	28	From 2013-07-01
Tsuyama	TUY	Miyagi,Japan	38.3900N	141.2200E		
Tswaing Meteorite Crater Museum,Gauteng Province	TSWA	South Africa	25.4215S	28.0797E	1117	From 2017-05-25
Ttatey	JTT	Toyama,Japan	36.6050N	137.3333E	236	
Ttujur	TTJR	Armenia	40.5936N	45.3694E	1958	From 2021-11-01
Tuai	TUA	North Island,New Zealand	38.8062S	177.1507E	274	From 1932-09-01 to 1988-03-09
Tual	TLE	Irian Jaya,Indonesia	5.6373S	132.7373E	113	
Tuamarina	TUWZ	South Island,New Zealand	41.4294S	173.9429E	132	From 2004-05-05
Tuan Giao	TGV	Vietnam	21.5898N	103.4182E	0	From 1996-01-01
Tuapeka	TUZ	South Island,New Zealand	45.9540S	169.6312E	110	From 1991-04-04
Tuapse	TPSR	Russia	44.0780N	39.0960E	0	
Tuba City	U16A	Arizona,U.S.A.	36.1428N	111.1297W	1544	From 2007-05-18 to 2009-02-08
Tubaro-SC	TER01	Parana,Brazil	28.5318S	49.1291W	315	From 2011-01-30
Tubingen	TUB	Baden-Wurttemberg,Germany	48.5269N	9.0611E	330	From 1933-01-01 to 1971-12-31
Tubou, Lakemba	LKBA	Fiji	18.2331S	178.8149W	36	
Tubuai	TBI	Tubuai,French Polynesia	23.3489S	149.4608W	20	From 1976-01-01
TUCG	TUCG	Para	3.8668S	49.6418W	76	From 2022-11-30
Tuckaleechee Caverns	TKL	Tennessee,U.S.A.	35.6580N	83.7740W	350	From 1978-07-30
Tucker Farm, Meadow	Z28A	Texas,U.S.A.	33.2884N	102.3866W	1045	From 2009-01-27 to 2010-12-04
Tucker property, S20	SCR20	Colorado	37.3399N	106.1965W	2493	
Tucson	TUC	Arizona,U.S.A.	32.3098N	110.7847W	910	From 1962-12-17
Tucson Desert	TDM	Arizona,U.S.A.	32.2442N	111.1690W	866	From 1978-12-22
Tucson Observatory	TUO	Arizona,U.S.A.	32.2467N	110.8350W	770	From 1909-01-01
Tucson--Telemeter	TUT	Arizona,U.S.A.	32.3350N	110.7230W	1439	From 1958-01-05 to 1962-01-31
Tucuman	TCM	Tucuman,Argentina	26.8000S	65.2000W	475	
Tucurui	TUCB	Para,Brazil	3.7341S	49.8255W	61	
Tuebingen, Eugenstrasse	TUEB	Baden-Wurttemberg	48.5136N	9.0612E	320	From 2016-03-01
Tuebingen-Lennartz	TUBL	Baden-Wurttemberg,Germany	48.5217N	9.0821E	217	From 2002-11-01
Tufares	TUF	Costa Rica	9.7542N	84.3840W	904	From 2002-04-11 to 2002-10-01
Tuguegarao	TLP	Luzon,Philippines	17.6523N	121.7600E		
Tugumak	WTUG	Alaska,U.S.A.	54.8477N	164.3858W	457	
Tuhingamata	TUTZ	North Island,New Zealand	38.7099S	175.9914E	614	From 1986-01-01 to 1990-07-02
Tuis	TUI	Costa Rica	9.8417N	83.5573W	1300	From 1984-03-17
Tukino	TUVZ	North Island,New Zealand	39.2677S	175.6542E	1446	From 1992-09-17

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tukpahlearik Creek	E18K	Alaska,U.S.A.	67.4213N	160.6027W	297	From 2017-07-29
Tuktoyaktuk	TUK	Northwest Territories,Canada	69.4400N	133.0280W	10	From 1980-12-02 to 1982-07-20
Tuktoyaktuk	TKT	Northwest Territories,Canada	69.4325N	132.9960W	3	From 1982-07-28 to 1984-07-11
Tuku	WTK	Taiwan region	23.6877N	120.3886E	42	From 2014-07-28
Tulancingo	TLX	Hidalgo,Mexico	20.0375N	98.4361W	2250	
Tulbagh	TUH	Cape Province,South Africa	33.2967S	19.1500E	190	
Tulcn	ATUL	Ecuador	0.7723N	77.7230W	2303	From 2010-12-10
Tulcn-Chalpatan Las Cuevas	TULM	Ecuador	0.7161N	77.7869W	3677	From 2012-08-09
Tulia	X29A	Texas,U.S.A.	34.4452N	101.7008W	1039	From 2009-01-23 to 2010-11-15
Tulnici	TULR	Romania	45.9201N	26.6680E	610	From 2023-03-10
Tulsa	TSO	Oklahoma,U.S.A.	36.1482N	95.8979W	210	From 1973-02-01 to 1974-04-29
Tulsa	TUL	Oklahoma,U.S.A.	35.9106N	95.7925W	261	From 1961-07-01
Tulsita	EF75	Texas	28.6933N	97.8320W	113	From 2018-12-19
Tu Ly	TLV	Vietnam	20.8790N	105.2600E	80	From 2002-05-01
Tumaco	CTUM2	Colombia	1.8230N	78.7260W	89	
Tumaco	TUMC	Colombia	1.8237N	78.7267W	50	
Tumaco, Batallon	CTUMA	Colombia	1.8240N	78.7450W	14	From 1997-02-17
Tuman	GRPR	Sakhalinskaya Oblast',Russia	43.9927N	145.7721E	140	From 2011-09-20
Tumbaco	QUT	Ecuador	0.2022S	78.3922W	2345	
Tumbes - Peru	TBM0	Peru	3.5233S	80.3218W	24	
Tumey Hills	TUMY	California	36.5238N	120.6639W	767	From 2023-09-28
Tumlingtar	TUML	Nepal	27.3208N	87.1950E	360	From 2001-10-10 to 2002-11-08
Tumpakrejo, Jawa Timur	TUJI	Indonesia	8.4018S	113.7322E	87	From 2019-10-01
Tumrok	TUMR	Kamchatskaya Oblast',Russia	55.2830N	160.1460E	1213	From 2003-07-12
Tumrok D	TUMD	Kamchatskaya Oblast',Russia	55.2031N	160.3990E	486	From 2011-03-18
Tumut Pond Dam	TPND	New South Wales,Australia	35.9630S	148.3900E	1205	
Tumwater	TUM	Washington,U.S.A.	47.0150N	122.9080W	20	From 1958-05-01
Tunca	BO01	O'Higgins	34.3918S	71.0849W	262	From 2014-01-20
Tunceli	TNC	Turkey	39.1083N	39.5533E	1003	From 1973-09-14
Tunceli-Merkez	TNCL	Turkey	39.1146N	39.5422E	1192	From 2010-11-27
Tunduma	TDMT	Tanzania,United Republic of Tanzania	9.2962S	32.7712E	1590	From 1992-06-17
Tunduma	TUND	Tanzania,United Republic of Tanzania	9.2988S	32.7625E	1699	
Tunduma	ITUM	Tanzania	9.4005S	33.1880E	1365	From 2014-07-01 to 2015-11-04
Tunel del Cadi	CADI	Spain	42.3402N	1.8412E	1207	
Tungkwan	TUWA	Gansu,China	34.6167N	110.2833E	0	From 1955-01-01
Tungshih	TWQ	Taiwan region	24.2747N	120.8360E	443	From 1972-09-08
Tungsten Hills	MTUM	California,U.S.A.	37.3533N	118.5640W	1810	From 1984-12-15
Tungur	TUNR	Altayskiy Kray,Russia	50.1600N	86.3300E	850	
Tungurahua	TUNG	Ecuador	1.4182S	78.4455W	2774	From 1989-06-01 to 1992-12-30
Tungurahua volcano	BILB	Ecuador	1.4385S	78.4988W	2315	From 2006-08-18
Tungurahua Volcano	BRUN	Ecuador	1.4185S	78.4264W	2639	From 2007-07-01
Tungurahua Volcano	BPAT	Ecuador	1.5033S	78.4335W	3725	From 2007-08-01
Tungurcha	TUG	Amurskaya Oblast',Russia	57.2900N	121.5000E	345	
Tungusskii	AY3S	Sakha,Russia	64.2000N	146.3800E	1080	From 1971-06-01 to 1971-12-31
T'ung-yeun Feng	TYF	Shaanxi,China	34.5000N	109.0670E	365	
Tunis	TUN	Tunisia	36.8000N	10.1333E		
Tunkhannock	TU-	Pennsylvania,U.S.A.	41.5714N	76.1367W	366	From 1962-08-02 to 1962-10-05
Tunkhannock	TU-PA	Pennsylvania,U.S.A.	41.5714N	76.1367W	366	From 1962-08-02 to 1962-10-05
TUNL	TUNL	Israel	31.2250N	35.3380E	380	From 1986-09-01 to 1991-03-31
Tunnel	PIORA	Switzerland	46.5373N	8.7833E	817	From 2007-12-15
Tuntungan	TSI	Sumatera,Indonesia	3.5008N	98.5645E	0	From 1974-10-01
Tupik	TUP	Chitinskaya Oblast',Russia	54.4250N	119.9539E	650	
Tupiza	TPZ	Bolivia	21.4650S	65.7163W	2960	
TUR	CTUR	Costa Rica	9.8115N	84.4668W	911	
Tura	TURI	Meghalaya,India	25.5500N	90.3333E	305	
TURA	TURA	Meghalaya,India	25.5168N	90.2242E	406	From 1975-06-01
Turaif	TRAF	Saudi Arabia	31.2570N	39.3560E	819	
Turaif	WELAS	Saudi Arabia	31.7810N	38.9090E	931	
Turan	TRNR	Buryatiya	51.6369N	101.6854E	875	From 2021-10-18
Turangi Tongariro High School	TTHS	North Island,New Zealand	38.9863S	175.8150E	385	From 2001-11-28
Turatol	TURAT	Tajikistan	39.2501N	70.7766E	1838	From 1956-03-07
Turayna	TRNA	Qatar	24.7355N	51.2125E	50	From 2014-05-06
Turbat	TURB	Pakistan	25.9800N	63.0100E	137	From 2007-11-10
Turbat	TUR	Kazakhstan	41.7333N	69.6500E		
Turbay, BTN	BTNC	Colombia	7.5247N	73.1008W	2373	
Turbio	TBIO	Patagonia	42.9192S	72.3867W	458	From 2010-01-01
Turcinesti_Cartiu	TCAR	Romania	45.1178N	23.3161E	268	From 2022-11-28
Turgen	TGN	Kazakhstan	43.3070N	77.6380E	1410	From 1976-10-18
Turhal	TRHT	Turkey	40.3497N	36.1778E	1190	From 1992-01-01 to 1998-04-01
Turia	TURR	Romania	46.0550N	26.0157E	636	From 2017-11-15
Turiamo	TURV	Venezuela	10.4500N	67.8400W	58	From 2002-11-14
Turikan	TNKS	Buryatiya,Russia	56.3870N	113.1160E	657	From 1981-08-12 to 1993-10-24
Turkey Creek	TRK	South Carolina,U.S.A.	33.1222N	79.7778W	10	From 1980-06-25
Turkoglu	TRKT	Turkey	37.3860N	36.8580E	515	From 1998-03-01
Trkolu, Kahramanmara	KHMR	Turkey	37.3439N	36.9080E	425	From 2017-03-29
Turnbull Canyon	TCC	California,U.S.A.	33.9945N	118.0130W	299	From 1976-11-01 to 1999-08-25
Turner	TRM	Maine,U.S.A.	44.2597N	70.2551W	113	From 1977-01-01 to 1999-01-31
Turner Farm, Oroville	A08A	Washington,U.S.A.	48.9534N	119.2725W	1089	From 2006-09-14 to 2008-05-17
Turnu Magurele	TRM1	Romania	43.7577N	24.8776E	30	From 2015-09-25
Turnu Rosu	TUU	Romania	45.6525N	24.2731E	519	From 1988-06-15
Turnu Rosu	TNR	Romania	45.6520N	24.2730E	519	From 1989-07-01
Turoa	TRVZ	North Island,New Zealand	39.2988S	175.5479E	2062	From 2005-03-16
Turquoise Mountain, Baker	TUQ	California,U.S.A.	35.4358N	115.9239W	1350	From 2002-05-02
Turrialba	TURIB	Costa Rica,Costa Rica	9.9070N	83.6860W	692	
Turrialba Volcano	VTCE	Costa Rica,Costa Rica	10.0247N	83.7568W	3178	
Turrialba Volcano	VTLA	Costa Rica,Costa Rica	10.0027N	83.7752W	2724	
Turrialba Volcano Quemados	CVTQ	Costa Rica,Costa Rica	10.0045N	83.7672W	2837	
Turrubares	TRB2	Costa Rica,Costa Rica	9.9138N	84.4483W	369	
Turtle Beach	SKTB	St Kitts,Saint Kitts and Nevis	17.2087N	62.6171W	46	From 2003-02-10
Turtle Mountain	TMDA	Alberta,Canada	49.5811N	114.3992W	1541	
Turtle Mountains	TTM	California,U.S.A.	34.3353N	114.8280W	1098	From 1974-04-01
Turunc	TURN	Turkey	36.7753N	28.2444E	28	From 2007-05-21
Turuntaevo	TRTB	Buryatiya,Russia	52.2300N	107.6300E	600	From 1999-08-01
Turuntaevo, Baikal	TRTS	Buryatiya,Russia	52.2230N	107.6490E	600	From 1999-08-01
Tuscania	TU1	Italy	42.4186N	11.8744E	166	
Tuscan Springs	LTCM	California,U.S.A.	40.2083N	122.1240W	257	
Tuscarora	TUS	New York,U.S.A.	43.1800N	78.9592W	165	From 1971-06-01 to 1974-03-31
Tustin Road	HTUM	California,U.S.A.	36.8272N	121.6429W	94	
Tut, Adiyaman, Turkey	MHAV	Turkey	37.7739N	37.9105E	785	From 2021-12-29
Tutak	TUTA	Turkey	39.4019N	42.8137E	2154	From 2006-09-13
Tuttle Creek Reservoir	TCK	Kansas,U.S.A.	39.3848N	96.7225W	376	From 1977-08-15 to 2001-07-15
Tuxedo	TXNY	New York,U.S.A.	41.1775N	74.1887W	143	From 1990-01-01
Tuxtla Gutierrez	TGBT	Chiapas,Mexico	16.7768N	93.0895W	0	From 2009-02-16
Tuyen-Quang	TQV	Vietnam	21.8283N	105.2080E	35	From 1975-07-27
Tuzandepetl	TUIG	Veracruz,Mexico	18.0339N	94.4227W	100	
Tuzla	AKFT	Turkey	40.9273N	29.4165E	209	From 2006-02-24
Tuzla-Istanbul	TUZL	Turkey	40.8131N	29.2660E	13	From 2011-01-01
Tuzla-ISTANBUL	TZLA	Turkey	40.8123N	29.2968E	2	From 2021-04-22
Tvarminne	TVF	Finland	59.8434N	23.2496E	10	From 2019-05-21
TV Cable, Bogot	TVAC	Colombia	4.7178N	74.0846W	2685	From 2014-04-14
TV Hill, Hawthorne	TVH1	Nevada,U.S.A.	38.4574N	118.7658W	3136	
TV Kerman	TVBK	Iran	29.9860N	56.7612E	2886	From 2010-05-05
Tweed	H55A	Ontario,Canada	44.5505N	77.1829W	182	From 2012-11-16
Twentynine Palms	TPC	California,U.S.A.	34.1058N	116.0490W	720	From 1972-05-05
Twentynine Palms	TN-CL	California,U.S.A.	34.1983N	115.9500W	533	From 1962-02-01 to 1962-05-03
Twin Buttes	YPTB	Wyoming,U.S.A.	44.5252N	110.8460W	2219	
Twin Lakes	TWL	California,U.S.A.	34.2783N	118.5940W	390	From 1971-11-01
Twin Peaks	TWN	California,U.S.A.	36.0527N	121.5070W	148	From 1973-12-17 to 1975-09-30
Twin Springs	TSV	Nevada,U.S.A.	38.2017N	116.1750W	1585	From 1965-01-01 to 1972-12-31
Twisselman Ranch, Shandon	TRAY	California,U.S.A.	35.5517N	120.1258W	690	From 2016-05-26
Twissleman Ranch	PTRM	California,U.S.A.	35.6547N	120.2110W	643	
Twist	TWAR	Arkansas,U.S.A.	35.3614N	90.5597W	61	
Twitchell Island	TWIT	California	38.0959N	121.6843W	0	From 2019-02-01
Twizel Area School	TWAS	South Island,New Zealand	44.2546S	170.0983E	476	From 2002-07-04
Two Rivers School, Snoqualmie Valley	SVTR	Washington,U.S.A.	47.4958N	121.7816W	146	From 2002-09-20
TwoTwoTwo	TTTZ	New Zealand	35.3400S	174.3041E	103	From 2023-01-16
Tymovskoe	TYV	Sakhalinskaya Oblast',Russia	50.8630N	142.6560E	160	From 1969-01-01
Tynda	TNDR	Sakha,Russia	55.1470N	124.7210E	534	From 2001-06-20
Tyneside	TYNO	Ontario,Canada	43.0950N	79.8702W	205	From 1991-07-18

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tyrgan	TRG	Irkutskaya Oblast',Russia	52.7600N	106.3481E	718	
Tyrnavos	TYRN	Greece	39.7110N	22.2325E	151	From 2015-12-14
Tyson Valley	TYS	Missouri,U.S.A.	38.5268N	90.5660W	195	From 1974-02-19
Tytingvag	N2B1	Norway	61.9000N	5.0960E	75	
Tytingvag	N2B7	Norway	61.8990N	5.0940E	15	
Tyubelyakh	UL1S	Sakha,Russia	65.3720N	143.1500E	380	From 1988-01-01 to 1988-12-31
Tyukosdulo	RHK5	Hungary	47.6983N	19.0822E	204	
Tzaneen,Limpopo Province	TZAN	South Africa	23.9283S	30.1739E	830	From 2017-07-11
Tzaverdella	NEOK	Greece	38.0460N	23.6310E	135	
U57S	U57S	Maule	35.4583S	72.0957W	112	
U59S	U59S	Maule	35.9128S	72.3997W	198	
U60S	U60S	Maule	35.8775S	72.6172W	205	
U66S	U66S	Maule	34.9062S	72.1663W	150	
U67S	U67S	Maule	34.4872S	71.5540W	0	
U72S	U72S	Maule	33.9787S	71.8125W	46	
UABC, Campus Mexicali	UABX	Baja California,Mexico	32.6322N	115.4402W	44	
Uakit	UKT	Buryatiya,Russia	55.4889N	113.6269E	1140	
U Bar Ranch, Lordsburg	120A	New Mexico,U.S.A.	32.5466N	108.6330W	1528	From 2008-02-02 to 2009-12-10
Ubatuba-SP	SLP01	Sao Paulo,Brazil	23.3243S	45.1559W	1117	From 2011-01-30
Ubbergen	NE37	Netherlands	51.8351N	5.9050E	30	
Ubeda,Jaen	E0802	Spain	38.0257N	3.3756W	770	From 2016-09-26
Ubonrachathani	UBT	Thailand	15.2456N	105.0183E		From 1993-12-01
Uccle	UCC	Belgium	50.7983N	4.3594E	105	
Uchkent	UKTR	Dagestan,Russia	43.1139N	47.0806E	120	
Uchtor	UCH	Kyrgyzstan	42.2275N	74.5134E	3850	
kuyu, Sultandaı, Afyonkarahisar	UCKU	Turkey	38.6357N	31.4253E	1141	From 2017-12-15
Ucluelet	B012	British Columbia,Canada	48.9246N	125.5420W	13	From 2005-09-20
U. Connecticut	UCCT	Connecticut,U.S.A.	41.7943N	72.2255W	223	
UCPARC, Winfield	Y47A	Alabama,U.S.A.	33.9025N	87.8494W	160	From 2011-04-13 to 2013-02-03
Ucria	MUCR	Sicily,Italy	38.0429N	14.8738E	1036	From 2011-02-03
Udaipur	UDPR	India	24.5800N	73.7128E	578	From 2018-02-02
Udbina	UDBI	Croatia	44.5279N	15.7644E	807	From 2009-06-19
Uddeholm	UDD	Sweden	60.0897N	13.6073E	240	
Udhampur	UDP	Jammu and Kashmir,India	32.9017N	75.0800E		
Udina	UDINA	Kamchatskaya Oblast'	55.7200N	160.5120E	1038	From 2021-09-17
Udine	UDN	Italy	46.0650N	13.2367E	100	From 1976-06-01 to 1978-12-31
Udine OGS	UDI	Italy	46.0650N	13.2367E	112	From 1977-06-24 to 1990-05-05
Udo	UDO0	Republic of Korea	33.5228N	126.9540E	-94	From 2016-12-16
Udria, Vaivara	EE05	Estonia	59.3915N	27.9198E	26	From 2015-11-03 to 2016-10-13
Ueberruh	UBR	Baden-Wurttemberg,Germany	47.6807N	10.1080E	890	From 1994-01-01
Uelen temporary site, Chukotka	YLNS	The Chukotsky Autonomous Okrug,Russia	66.1590N	169.8056W	28	From 2006-07-17 to 2006-07-26
Ufa	UFA	Bashkortostan,Russia	54.8000N	56.0000E	0	
Ufa	BA1R	Bashkortostan	54.5892N	55.7088E	114	From 2013-08-06
Ufford	KUF	England,United Kingdom	52.6175N	0.3894W	35	From 1988-01-01
Ugakei	UGK	Mie,Japan	35.0967N	136.4729E	290	
Ugak Island	UGI	Alaska,U.S.A.	57.3945N	152.2820W	213	
Ugashik Creek	R17K	Alaska,U.S.A.	57.6397N	156.3872W	273	From 2016-06-06
Ugashik Lake	USL	Alaska,U.S.A.	57.3983N	157.0300W	500	
Ugashik Lake	UKL	Alaska,U.S.A.	57.4017N	156.8550W	410	From 1975-10-01 to 1999-08-25
UGENTO	UGN	Italy	39.8949N	18.1230E	23	From 2010-05-11
Uglegorsk	UGL	Sakhalinskaya Oblast',Russia	49.0780N	142.0660E	40	
Uglovaya	UGLR	Kamchatskaya Oblast',Russia	53.2089N	158.8239E	1140	
Ugurusu	URS	Kochi,Japan	33.5376N	133.4890E	25	From 1957-06-01
UHE Batalha	BAT2	Goias,Brazil	17.3580S	47.4720W	848	From 2012-08-01
UHE Belo Monte	ATM1	Para,Brazil	3.2885S	52.2249W	183	From 2012-02-15
UHE Belo Monte	BMO1	Para,Brazil	3.1546S	51.7558W	37	From 2012-02-15
UHE Belo Monte	BMO2	Para,Brazil	3.3474S	51.9887W	117	From 2012-02-15
UHE Cana Brava	CAN1	Goias,Brazil	13.4175S	48.0852W	380	From 2013-10-28
UHE Corumb	COR01	Goias	18.0131S	48.5775W	824	From 2015-01-01
UHE Curu¡ Una - Santarm - PA	CUR1	Para	2.8118S	54.3110W	66	From 2023-06-15
UHE Estreito - MA/TO	PAL2	Maranhao,Brazil	6.7478S	47.3273W	248	From 2010-10-20
UHE Funil - MG	FUN1	Minas Gerais,Brazil	21.1121S	44.9318W	922	From 2010-12-21
UHE Itumbiara	ITU03	Goias	18.2442S	48.8870W	544	From 2015-01-01
UHE Lajeado	LAJE	Tocantins,Brazil	9.9816S	48.3185W	294	From 2011-02-02
UHE Manso	MAS01	Mato Grosso	14.8875S	55.8171W	356	From 2016-08-23
UHE Marimbondo	MAR04	Sao Paulo	20.3156S	49.1904W	411	From 2016-08-15
UHE Simplicio	SIM2	Rio de Janeiro,Brazil	21.9159S	42.8069W	345	From 2012-08-25
UHE Simplicio	SIM1	Rio de Janeiro,Brazil	22.0090S	42.9854W	392	From 2012-08-28
UHE Tucurui	TUC3	Para,Brazil	4.2829S	49.9166W	152	From 2013-11-08
UHE Tucurui	TUC4	Para,Brazil	4.2514S	49.5368W	114	From 2011-03-23
Uinta Basin Array	UBO	Utah,U.S.A.	40.3217N	109.5690W	1596	From 1970-04-01 to 1973-09-30
Uiryeong-eup	EURB	Republic of Korea	35.3227N	128.2880E	-42	From 2012-11-10
Uiseong	EUSB	Republic of Korea	36.3561N	128.6887E	111	From 2015-10-01
Uitikon, ZR	EWZT3	Switzerland	47.3758N	8.4551E	646	From 2009-08-27
Ujela	LUJL	Libya	29.1192N	21.3027E	95	
Uji	UJI	Kyoto,Japan	34.8666N	135.8269E	290	
Ujung Watu	UWJI	Jawa,Indonesia	6.4191S	110.9474E	62	From 2005-01-01
Ujwa (Najafgarh)	UJWA	India	28.5703N	76.9036E	218	From 2017-12-22
Ukalunda	UKAQ	Queensland,Australia	20.8976S	147.1274E	250	From 1984-03-28
Ukamas	ARMS	Namibia	28.0400S	19.7400E	828	
Ukanom Mountain, Happy Camp, CA USA	UKAN	California	41.5838N	123.4761W	1368	From 2020-11-01
Ukiah	UK-	Oregon,U.S.A.	45.0931N	118.8986W	1311	From 1963-02-08 to 1963-03-01
Ukiah	UK-OR	Oregon,U.S.A.	45.0931N	118.8986W	1311	From 1963-02-08 to 1963-03-01
Ukiah	UKI	California,U.S.A.	39.1372N	123.2110W	199	From 1931-09-01
Ukonom Mountain	UKON	California	41.5838N	123.4761W	1392	From 2020-05-15
Ukrul	UKHR	Manipur,India	25.0450N	94.2123E	40	From 2012-01-01
Ukwama	UKWA	Tanzania	9.4539S	34.2158E	2143	From 2013-08-08 to 2015-11-04
Ulaanbaatar	ULN	Mongolia	47.8652N	107.0528E	1615	
Ulaangom	ULG	Mongolia	49.9600N	92.0600E	980	
Ulagan, Altay Republic, Russia	ULGR	Altayskiy Kray,Russia	50.6234N	87.9607E	1239	From 2002-07-28
Ulahol	ULHL	Kyrgyzstan	42.2456N	76.2417E	2040	
Ulamona	ULO	New Britain,Papua New Guinea	5.0590S	151.3030E	980	From 1981-12-09
Ulamona	ULA	New Britain,Papua New Guinea	5.0064S	151.2560E	10	
Ulan Bator	OBM	Mongolia	47.9200N	106.9700E	1330	
Ulan-Yde	UUDB	Buryatiya,Russia	51.8670N	107.6630E	600	From 1996-02-01
Ulba	ULBA	Ecuador	1.4493S	78.4077W	2960	
Ulba Tungurahua	BULB	Ecuador	1.4372S	78.4097W	2989	From 2008-07-17
Ulba Tungurahua	BBIL	Ecuador	1.4500S	78.4875W	2690	From 2008-07-01
Ulcinj	ULC	Montenegro	41.9636N	19.2445E	504	From 1983-12-25
Uljin	KSULJ	Republic of Korea	36.7021N	129.4084E	77	From 2000-12-18
ULJIN	UJN	Republic of Korea	36.9918N	129.4129E	92	From 2007-11-29
Ulkokalla	OBF8	Finland	64.3310N	23.4460E	10	From 2013-08-01
Ulladulla High School, Ulladulla	AUUHS	New South Wales,Australia	35.3600S	150.4700E	44	From 2013-09-12
Ulleungdo	ULDR	Republic of Korea	37.4809N	130.8988E	169	From 2018-03-09
Ulleungdo	KSULL	Republic of Korea	37.4736N	130.9008E	218	From 1998-04-28
Ulleungdo bore hole	ULLB	Republic of Korea	37.5404N	130.9170E	0	From 2006-12-31
ULLUNGDO	UL1	Republic of Korea	37.3193N	130.8778E	-2188	From 2006-12-30
Ullung-do Borehole	ULDB	Republic of Korea	37.4809N	130.8988E	216	From 2014-10-25
Ulm	ULMD	Baden-Wurttemberg	48.4108N	10.0161E	466	From 2017-02-01
Ulm, Ringingen	A108A	Germany	48.3477N	9.8311E	564	From 2015-11-11
Ulpha	AP12	England	54.3100N	3.2670W	200	From 2018-05-04
Ulsan	KSUSN	Republic of Korea	35.7024N	129.1232E	238	From 2007-12-12
Ulsan	KSULS	Republic of Korea	35.5543N	129.3203E	34	From 2000-03-07
ULSEONG	KSEUS	Republic of Korea	36.3519N	128.6870E	81	From 2000-11-21
Ulu Belu, Lampung	UTSI	Indonesia	5.3126S	104.5510E	882	From 2019-10-01
Uludag	ULDT	Turkey	40.1422N	29.1361E	1734	From 1996-04-01
Ulu Musi, Sumatera Selatan	ULSM	Indonesia	3.7588S	102.7941E	284	From 2019-01-01
Ulu Talo, Bengkulu	UTSM	Indonesia	4.0834S	102.7285E	113	From 2019-01-01
Ulysses	S29A	Kansas,U.S.A.	37.6199N	101.1180W	931	From 2009-04-11 to 2011-03-14
Ulyunkhan	YLYR	Buryatiya,Russia	54.8761N	111.1617E	560	
Umaji	UMJ	Kochi,Japan	33.5462N	134.0470E	320	
Umak	AD2	Alaska,U.S.A.	51.9033N	176.0180W	381	From 1974-01-01 to 1992-02-01
Um Al Zommool	UMZA	United Arab Emirates	22.7138N	55.1609E	96	
Umbach	A013A	Austria	48.0635N	15.4063E	530	From 2015-06-26
Umberatana	UMB	South Australia,Australia	30.2400S	139.1281E	610	From 1967-06-01
Umbertide	UMBT	Italy	43.3040N	12.3437E	252	From 2018-04-10
Umbu Ratu Nggay, Nusa Tenggara Timur	USTI	Indonesia	9.6543S	119.7878E	449	From 2019-01-01
Umea	UME	Sweden	63.8150N	20.2370E	10	From 1962-01-25 to 2004-12-23
Umeaa	UMAU	Sweden	63.8829N	20.6779E	20	From 2002-01-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Umejima	UMJE	Yamanashi,Japan	35.1928N	138.4979E	250	
Umerkot	UMKT	Pakistan	25.3300N	69.7100E	29	From 2006-03-25
UM Field Station, Abbeville	X45A	Mississippi,U.S.A.	34.4241N	89.3931W	142	From 2011-05-16 to 2013-02-07
UMJ01	UMJ01	Saudi Arabia	25.6656N	37.3674E	262	
UMJ02	UMJ02	Saudi Arabia	25.7203N	37.3812E	219	
UMJ03	UMJ03	Saudi Arabia	25.8442N	37.1935E	150	
UMJ04	UMJ04	Saudi Arabia	25.7930N	37.3880E	149	
UMJ05	UMJ05	Saudi Arabia	25.9870N	37.1050E	220	
UMJ06	UMJ06	Saudi Arabia	25.7310N	37.3230E	244	
UMJ07	UMJ07	Saudi Arabia	25.7310N	37.4320E	257	
UMJ08	UMJ08	Saudi Arabia	25.6148N	37.5731E	255	
UMJ09	UMJ09	Saudi Arabia	25.8162N	37.6137E	686	
UMJ10	UMJ10	Saudi Arabia	25.9844N	37.6177E	842	
UMJ11	UMJ11	Saudi Arabia	25.6479N	37.0838E	56	
UMJ12	UMJ12	Saudi Arabia	25.4690N	37.1210E	29	
Um Kedad	QYSM	Saudi Arabia	27.8540N	46.8750E	303	
Umluj	SUMJS	Saudi Arabia	24.7572N	37.3997E	198	
Umluj	UMJ13	Saudi Arabia	25.5000N	37.4030E	315	
Umm Al-Quwin	UMQ	Umm Al-Quwain,United Arab Emirates	25.5252N	55.6623E	28	
Umm Al-Rimmam	UMR	Kuwait	29.5519N	47.7158E	82	
Umm Al-Ruwaisat	RST	Kuwait	29.5003N	46.9972E	218	
Umm Lajj	UMJS	Saudi Arabia	25.2323N	37.3109E	250	
Umm Shaghir	ASHG	Egypt	23.2655N	31.6576E	340	
Umpang Tak	UMPA	Thailand	16.2057N	98.8603E	403	
Umpqua	J02A	Oregon,U.S.A.	43.3654N	123.5747W	136	From 2005-11-16 to 2007-11-29
Umpqua Community College DOGAMI SMO	UMPQ	Oregon,U.S.A.	43.2909N	123.3319W	162	From 2005-04-27
Umpqua National Forest, Toketee	J04A	Oregon,U.S.A.	43.2406N	122.1093W	1952	From 2006-10-31 to 2007-10-30
Umpqua National Forest, Toketee, OR	J04D	Oregon,U.S.A.	43.2405N	122.1093W	1948	From 2009-10-09
Umtata	UMT	Cape Province,South Africa	31.5833S	28.7550E	800	From 1988-08-01 to 1999-08-25
Unaaha	UKCM	Indonesia	3.5125S	122.2360E	106	From 2020-12-31
Unac-Piva	UPM	Montenegro	43.2031N	18.9051E	1770	From 2003-07-11
Unalakleet	UNL	Alaska,U.S.A.	63.8933N	160.6870W	91	
Unalakleet	I17K	Alaska,U.S.A.	63.8864N	160.6950W	105	From 2017-06-09
Unalaska	UNA	Alaska,U.S.A.	53.8733N	166.5330W		From 1954-04-06 to 1956-09-10
Unalaska Valley	UNV	Alaska,U.S.A.	53.8452N	166.5045W	65	From 1999-02-19
UNAN	USIM	Managua,Nicaragua	12.1164N	86.2739W	172	From 2015-07-29 to 2019-07-16
Unciti	IUNC	Spain	42.7559N	1.4989W	766	From 2005-07-22
Uncukul	UNCR	Dagestan,Russia	42.7139N	46.7944E	650	
Uncukuru	UNCK	Turkey	40.1159N	28.7222E	503	From 2013-04-10
Underwood Farm, Alliance	L26A	Nebraska,U.S.A.	42.0367N	103.0795W	1248	From 2008-11-24 to 2010-10-05
Undues	YUND	Spain	42.5768N	1.1331W	872	From 2010-05-01
Undu Point	UDU	Fiji	16.1521S	179.9880W	170	From 1981-11-01
Ungalak Mountain	L15K	Alaska,U.S.A.	61.6780N	161.4869W	219	From 2017-05-28
Ungalikthiuk River	O15K	Alaska,U.S.A.	59.1767N	159.8246W	306	From 2017-08-31
Ungani, Kimberley	KIM07	Western Australia	17.9336S	123.1646E	78	From 2022-06-02 to 2032-06-02
Ungchon	UNCA	Republic of Korea	35.4695N	129.2395E	70	From 2018-03-09
Unidad de Salud de Chinameca	UCHI	El Salvador	13.5118N	88.3489W	565	
Union	146A	Mississippi,U.S.A.	32.6368N	89.0573W	164	From 2011-03-23 to 2013-01-29
Union City	PNMM	Tennessee	36.4485N	89.1275W	87	From 1989-12-05 to 1991-10-22
Union City	WARM	Tennessee	36.3943N	89.0137W	86	From 1989-11-19 to 1990-06-22
Union City	KMSM	Tennessee	36.4757N	89.0285W	85	From 1989-12-05 to 1990-11-25
Union City	TVLT	Tennessee	36.3830N	89.1235W	91	From 1989-11-15 to 1992-03-14
Union City, PTVM	PTVN	Tennessee	36.4287N	89.0712W	84	From 1989-12-02 to 1990-08-08
Union Grove	UGRT	Tennessee,U.S.A.	35.6109N	84.1170W	302	From 1983-11-05
Union Juarez	MUX	Chiapas,Mexico	15.0790N	92.0740W		
Union Juarez	CHUJ	Chiapas	15.0937N	92.1083W	1985	
Union Valley	UYO	Oklahoma,U.S.A.	34.1667N	94.4588W	231	From 1989-04-15
Unionville	UVN	Nevada,U.S.A.	40.4423N	118.1580W	1926	From 1964-09-13 to 1969-12-31
Unionville	UVN1	Nevada,U.S.A.	40.4500N	118.1500W	1870	
Unistalda (Brazil)	UNIS	Rio Grande do Sul	29.0682S	55.0719W	319	From 2016-05-07
Univ. Columbia	EPMB	British Columbia,Canada	51.0633N	118.5400W	2150	
Univ de Panama	UPD1	Panama	8.5487N	78.0135W	74	
Univ. de Panama	UPIG	Panama	8.9906N	79.5342W	41	
Univ. de Panama	UPA	Panama	8.9810N	79.5338W	41	From 1983-08-01
Universidad Adolfo Ibaez	MT03	Metropolitana	33.4937S	70.5102W	1086	From 2013-07-10
Universidad Austral	LR02	Chile	39.8061S	73.2504W	67	From 2015-08-14
Universidad Catolica de El Salvador	UNIC	El Salvador	13.9816N	89.5485W	660	
Universidad Complutense Madrid	UCM	Spain	40.3077N	3.2442W	600	From 2010-03-01
Universidad de El Salvador	UESS	El Salvador	13.7200N	89.2005W	694	
Universidad de El Salvador San Miguel	SMIG	El Salvador	13.4390N	88.1589W	114	
Universidad de El Salvador, sede San Vicente	UESV	El Salvador	13.6366N	88.7873W	401	
Universidad de Guanajuato	UGO	Jalisco,Mexico	21.0170N	101.2555W		
Universidad de la EARTH en Liberia	NY14	Costa Rica	10.6482N	85.5337W	72	From 2005-11-01
Universidad de los Andes	UAV	Venezuela	8.6100N	71.1450W	1600	From 1969-08-01
Universidad Don Bosco	UDBS	El Salvador	13.7152N	89.1550W	640	
Universidad Evangelica	UEES	El Salvador	13.7163N	89.2392W	853	
Universidad Invenio (Canas)	INVE	Costa Rica	10.4764N	85.0628W	329	
Universidad Nacional Autonoma de Honduras	UNAH	Honduras	14.0750N	87.1750W	1020	
Universidad Nacional Autonoma de Mexico	UNM	Mexico D.F.,Mexico	19.3290N	99.1780W	2257	From 1967-06-04
Universidad Nacional de San Luis	UNSL	San Luis	33.1231S	66.0268W	1043	
Universidad Technlogica Nacional Mendoza	UTNM	Mendoza,Argentina	32.8968S	68.8532W	771	From 2012-01-01
Universidad tcnica Particular de Loja	LOJ1	Ecuador	3.9900S	78.3600W	1554	
Universidad Tecnologica	UTEC	El Salvador	13.7008N	89.2013W	683	
Universidad Uracan	SIUN	Nicaragua	13.7162N	84.7735W	178	From 2016-03-01
Universita' Del Sannio	BENI	Italy	41.1298N	14.7716E	75	
Universit Economia, Ancona	CMA08	Italy	43.6204N	13.5167E	49	From 2022-11-14
Universitario Texcoco	TXVM	Mexico D.F.	19.4335N	98.9175W	2242	
University, Bengkulu	UBSI	Sumatera,Indonesia	3.7611S	102.2714E	28	
University Campus, Patras University	UPR	Greece	38.2836N	21.7864E	140	From 2006-04-14
University, Gondar	GOND	Ethiopia,Ethiopia	12.5806N	37.4476E	2241	From 2014-04-01 to 2017-12-01
University New Hampshire, Durham	DUNH	New Hampshire,U.S.A.	43.1370N	70.9350W	60	From 2011-05-04
University of Arizona	UOA	Arizona,U.S.A.	32.2331N	110.9530W	741	From 1972-04-01 to 1974-04-30
University of Arkansas, Little Rock	UALR	Arkansas,U.S.A.	34.7751N	92.3429W	138	
University of California, Santa Cruz	JUCM	California,U.S.A.	37.0012N	122.0485W	177	From 1975-01-29
University of California Stadium	CMSB	California,U.S.A.	37.8719N	122.2517W	-72	From 1995-01-01 to 2011-04-13
University of Cincinnati	UOCO	Ohio,U.S.A.	39.1400N	84.5220W	226	
University of Connecticut	UCT	Connecticut,U.S.A.	41.8317N	72.2506W	149	
University of Dallas	FW04	Texas,U.S.A.	32.8476N	96.9232W	144	From 2016-09-29
University of Iquique	UNAP	Chile	20.2439S	70.1404W	0	From 2009-05-14
University of Johannesburg	UNJO	South Africa	26.2635S	27.9207E	1683	From 2010-01-01
University of Jordan, Amman	UNJ	Jordan	32.0158N	35.8708E	1050	
University of Michigan	AAMC	Michigan,U.S.A.	42.2780N	83.7360W	250	
University of New Brunswick	UNB	New Brunswick,Canada	45.9462N	66.6442W	64	From 1971-04-01
University of New Hampshire, Durham, NH	UNH	New Hampshire,U.S.A.	43.0926N	70.8650W	4	From 2013-11-26
University of Puget Sound	UPS	Washington,U.S.A.	47.2639N	122.4836W	113	
University of Richmond	URVA	Virginia,U.S.A.	37.5709N	77.5357W	49	
University of Southern California	USC	California,U.S.A.	34.0192N	118.2860W	17	From 1993-01-01
University of Southern Indiana	USIN	Indiana,U.S.A.	37.9651N	87.6660W	170	
University of Tennessee at Martin	UTM	Tennessee,U.S.A.	36.2900N	88.9410W	108	From 1982-08-12 to 1985-12-31
University of Tennessee at Martin	UTMA	Tennessee,U.S.A.	36.2930N	88.9760W	108	From 1985-11-01
University of Tennessee at Martin	UTMT	Tennessee,U.S.A.	36.3423N	88.8642W	120	
University of Toledo	UTLO	Ohio,U.S.A.	41.6590N	83.6180W	178	
University of Toledo	UTO	Ohio,U.S.A.	41.6619N	83.5743W	179	From 1977-12-20
University of Washington Friday Harbor	UWFH	Washington,U.S.A.	48.5459N	123.0132W	10	From 2001-08-02
University of Western Ontario	UWOO	Ontario,Canada	43.0110N	81.2724W	248	
University of Wisconsin at Milwaukee	UWM	Wisconsin,U.S.A.	43.0795N	87.8784W	204	
UNPA - Rio Turbio	SCUPA	Patagonia	51.5458S	72.3418W	352	From 2023-05-18
Unterbreizbach	UBBA	Hessen,Germany	50.8188N	10.0010E	-526	
Unterfahrungsstollen, Kaernten	A026A	Austria	46.9332N	14.5516E	800	From 2015-09-07
Untermendig Flugplatz	UMED	Rheinland-Pfalz	50.3652N	7.3251E	-41	From 2023-12-21
Unterstinkenbrunn	UNNA	Austria	48.6602N	16.3461E	217	From 2019-06-28
Unzen dake	UNZ	Nagasaki,Japan	32.7400N	130.2650E	678	
Uonuma	JUON	Niigata	37.2085N	139.0565E	226	From 2016-01-25
Uoyan	YOA	Buryatiya,Russia	56.1328N	111.7239E	500	
Uoyan, Buryatiya, Russia	YOAB	Buryatiya	56.1405N	111.7224E	524	From 2018-08-05
Upala	UPAL	Costa Rica	10.8972N	85.0122W	62	
Upernavik	UPNV	Greenland	72.7831N	56.1374W	100	From 2014-01-07
Upernavik	UPNG	Greenland	72.7848N	56.1408W	110	
Upice	UPC	Czech Republic	50.5074N	16.0121E	416	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Upington	UPI	Cape Province,South Africa	28.3620S	21.2527E	845	From 1993-05-01
U. Pittsburgh - Allegheny Obs.	UPAO	Pennsylvania,U.S.A.	40.4821N	80.0216W	274	
Upland Way Hayward	C014	California,U.S.A.	37.6827N	122.0600W	68	From 2009-06-22 to 2011-02-18
Upper Baezaeko River	UBRB	British Columbia,Canada	52.8918N	124.0832W	1241	From 2007-10-16
Upper Bighouse, Forsinard	BIGH	Scotland,United Kingdom	58.4933N	3.9105W	70	From 2009-06-01
Upper Falls	YUF	Wyoming,U.S.A.	44.7126N	110.5117W	2394	
Upper Hutt College	UHCS	North Island,New Zealand	41.1268S	175.0409E	53	From 2001-10-26
Upper Hutt Primary School	UHSS	North Island,New Zealand	41.1264S	175.0651E	25	From 2011-06-21
Upper Santa Misericordia	UMS	Luzon,Philippines	13.2480N	123.7320E	330	
Uppsala	UPP	Sweden	59.8576N	17.6229E	14	
`Uqlat as Suqur	UQSK	Saudi Arabia	25.7890N	42.3600E	950	From 1990-05-23
Ura	KV91	Miyazaki,Japan	32.0131N	130.8031E	308	
Urahoro	URH	Tokachi,Japan	42.9270N	143.6744E	120	
Urakawa	URA	Hidaka,Japan	42.1583N	142.7817E	30	
Urakawa 2	URAJ	Hidaka,Japan	42.2247N	142.7050E	40	From 1991-06-07
Urakawa 3	URA3	Hidaka,Japan	42.2428N	142.6672E	30	From 1993-12-10
Urakawa-nobuka	JNBK	Hidaka,Japan	42.2800N	142.7527E	115	From 2002-03-19
Urasar	KYB	Armenia	40.9733N	44.2650E	1620	
Urasca	URSC	Costa Rica	9.8350N	83.7782W	1500	
Ura-Tyube	URT	Tajikistan	39.9167N	69.0167E		From 1970-01-01
Uravakonda	URV	Andhra Pradesh,India	14.9469N	77.2597E	472	From 2008-10-01
Uravi	URAV	Georgia,Georgia	42.6437N	43.2899E	869	From 2007-08-28
Urbach, Forststuetzpunkt Haeule	URBA	Baden-Wurttemberg	48.8376N	9.5859E	449	From 2016-03-01
Urbana	N47A	Indiana,U.S.A.	40.8801N	85.6942W	252	From 2012-09-04
Urbania	URBN	Italy	43.6709N	12.5187E	263	From 2020-01-28
Urbes	URBF	Alsace	47.8750N	6.9333E	900	From 2015-01-01
Urbino	UR1H	Italy	43.7167N	12.6333E	430	From 1901-01-01 to 1911-12-31
Urbino	URBI	Italy	43.7238N	12.6342E	500	From 2020-01-29
Urb. La Laguna, PAL	PALAG	Costa Rica	9.8295N	83.8720W	1220	
Urcuqui	URCU	Ecuador	0.4385N	78.2557W	3262	From 2010-05-03
URD01	URD01	Saudi Arabia	26.9500N	37.6600E	1393	
Urdarhals	IURH	Iceland	64.8204N	17.1471W	1078	From 2014-08-31
Urds	URDF	Aquitaine,France	43.4383N	0.5931W	120	From 2012-06-01
Ureshino	JUR	Nagasaki,Japan	33.0932N	129.9490E	160	
Urewera	URZ	North Island,New Zealand	38.2593S	177.1109E	95	From 1990-10-09
Urfa	URFA	Turkey	37.4410N	38.8213E	938	From 2004-12-02
Urfttalsperre	URFT	Nordrhein-Westfalen	50.6028N	6.4194E	300	From 2023-07-01
Urgal	URG	Khabarovskiy Kray,Russia	51.0986N	132.3639E	0	
Uribe, Santander	URB	Colombia	7.2375N	73.3338W	834	From 2009-09-01
Uribia	URI	Colombia	11.7000N	71.9900W	68	From 2008-01-01
Uribia, Colombia	URIC	Colombia	11.7017N	71.9925W	68	From 2009-02-01
Urkarakh	URKR	Dagestan,Russia	42.1656N	47.6333E	1300	
Urmieh	URUN	Iran	37.6566N	44.9716E	1393	From 2022-09-10
Uruapan	URUA	Michoacan,Mexico	19.4217N	102.0740W	1680	From 2009-02-16
Urumqi	WMQ	Xinjiang Uygur Zizhiqu,China	43.8211N	87.6950E	897	
Urzelina	URZL	Azores	38.6474N	28.1216W	85	
Usagre, Badajoz	E029	Spain	38.4397N	6.1831W	593	From 2007-09-07 to 2009-06-02
Uak-Merkez	USAK	Turkey	38.7143N	29.0181E	721	From 2013-02-20
Usal Redwood Forest, Leggett, California	USAL	California	39.8821N	123.8161W	482	From 2022-04-07
US Embassy, Port-au-Prince	NQUSE	Haiti	18.5640N	72.2482W	78	
Usha	KMN1	Pakistan	35.5370N	72.6670E	2245	From 2012-01-01
Ushanovo	USHN	Kazakhstan	49.9695N	82.7443E	385	From 2022-03-15
Ushuaia	USHA	Tierra del Fuego,Argentina	54.8319S	68.4333W	107	From 2003-12-19
Ushuaia	USHU	Tierra del Fuego,Argentina	54.8433S	68.5569W	12	
USHUAIA INFRASONIC ARRAY REFERENCE POINT	I02AR	Tierra del Fuego,Argentina	54.5806S	67.3092W	94	From 2006-05-04
Uspallante	USPA	Patagonia	44.9524S	73.1033W	14	From 2010-01-01
Uspallata	AUSP	Mendoza,Argentina	32.2235S	69.3872W	2502	
USSITA	UST	Italy	42.9419N	13.1250E	733	From 2016-11-03
Ussuriysk Ar. Beam Pt.	USRK	Russia	44.1998N	131.9888E	170	From 2008-10-13
Ussuriysk Array Site A0	USA0	Russia	44.1998N	131.9888E	115	From 2008-10-13
Ussuriysk Array Site A0B	USA0B	Primorskiy Kray,Russia	44.1999N	131.9887E	115	From 2008-10-13
Ussuriysk Array Site A1	USA1	Russia	44.2038N	131.9885E	105	From 2008-10-13
Ussuriysk Array Site A2	USA2	Russia	44.1970N	131.9953E	95	From 2008-10-13
Ussuriysk Array Site A3	USA3	Russia	44.1964N	131.9867E	115	From 2008-10-13
Ussuriysk Array Site B1	USB1	Russia	44.2163N	131.9915E	125	From 2008-10-13
Ussuriysk Array Site B2	USB2	Russia	44.1975N	132.0147E	85	From 2008-10-13
Ussuriysk Array Site B3	USB3	Russia	44.1827N	131.9996E	85	From 2008-10-13
Ussuriysk Array Site B4	USB4	Russia	44.1916N	131.9720E	85	From 2008-10-13
Ussuriysk Array Site B5	USB5	Russia	44.2105N	131.9710E	105	From 2008-10-13
USSURIYSK INFRASONIC ARRAY REFERENCE POINT	I08RU	Primorskiy Kray,Russia	44.1999N	131.9773E	150	From 2008-11-10
Ussuryisk	USK	Primorskiy Kray,Russia	44.2833N	132.0831E	0	
Ust'-Bol'sheretsk	UBL	Kamchatskaya Oblast'	52.8230N	156.2820E	57	From 2018-12-20
Ust'-Elegest	UER	Tyva,Russia	51.5630N	94.0870E	660	
Ustica	USI	Sicily,Italy	38.7079N	13.1791E	285	
Ust'-Kan	UKR	Altayskiy Kray,Russia	50.9370N	84.7730E	1100	
Ust'-Maya	USMR	Sakha,Russia	60.4200N	134.5400E	170	
Ust'-Nera	UNR	Sakha,Russia	64.5700N	143.2283E	485	
Ust'Nera (new)	UNR1	Sakha,Russia	64.5662N	143.2422E	485	From 1992-07-01
Ust'-Nyukzha	USZ	Amurskaya Oblast',Russia	56.5617N	121.5917E	415	
Ust'-Omchug	USO	Magadanskaya Oblast',Russia	61.1500N	149.6333E		
Ust' Urkima	UURS	Amurskaya Oblast',Russia	55.3100N	123.1600E	540	
Usu Kazan Kan	UVO	Iburi,Japan	42.5569N	140.8457E	143	
Usuki	JUS	Oita,Japan	33.0657N	131.7507E	140	
Utah State Capitol	CAPU	Utah,U.S.A.	40.7785N	111.8900W	1384	
Utako	NGSA1	Nigeria	9.0601N	7.4511E	467	From 2020-06-01
Utan	USFM	Indonesia	8.4120S	117.1411E	72	From 2020-12-31
UT at Arlington	FW11	Texas,U.S.A.	32.7227N	97.1279W	197	From 2016-10-20
UT at Dallas	FW05	Texas,U.S.A.	32.9887N	96.7471W	207	From 2016-11-16
UT Block 9, Goldsmith	228A	Texas,U.S.A.	32.1180N	102.5918W	954	From 2009-02-10 to 2010-12-08
Utesnoe	ZLDR	Sakhalinskaya Oblast',Russia	46.6520N	142.3630E	38	From 1989-06-22
Utesnoe	UTSR	Sakhalinskaya Oblast',Russia	46.6080N	143.0730E	162	From 1973-07-01 to 1992-03-10
Uthaitani	UTHA	Thailand	15.5586N	99.4451E	128	
Utla	UTL	Pakistan	34.2710N	72.6840E	1171	From 1973-08-23
Utowana Lake	UWL	New York,U.S.A.	43.8378N	74.5433W	561	From 1974-07-01 to 1981-12-31
Utrecht	NE05	Netherlands	52.0880N	5.1720E	2	From 1982-03-01 to 2001-08-21
Utsunomiya	UTSU	Tochigi,Japan	36.5470N	139.9170E	110	From 1962-02-01
Utsunomiya	UTS	Tochigi,Japan	36.5467N	139.8717E	120	
Uttaradit	UTTA	Thailand	17.7443N	100.5541E	62	
UTTARKASHI	UTK	India	30.7300N	78.4460E	1150	From 2018-03-27
Utuado, UPR, Puerto Rico	UUPR	Puerto Rico	18.2528N	66.7202W	201	From 2015-11-01
Utuhina	UTU	North Island,New Zealand	38.1766S	176.1938E	351	From 1986-07-10
Utukok River	C18K	Alaska,U.S.A.	68.6483N	161.1943W	845	From 2017-08-29
Utxeti	IUSE	Spain	42.9469N	1.5478W	870	From 2005-07-22
Uummannaq	UMM	Greenland	70.6770N	52.1250W	48	
Uummannaq	UMMG	Greenland	70.6771N	52.1210W	25	From 2017-08-18
Uvalde	632A	Texas,U.S.A.	29.5071N	99.7863W	420	From 2009-02-24 to 2011-01-21
Uvezbeli-DUZCE	UVEZ	Turkey	40.9040N	30.9032E	455	From 2019-12-18
Uvinza	UVZA	Tanzania,United Republic of Tanzania	5.1048S	30.3935E	994	
Uvira	UVI	Democratic Republic of the Congo	3.4000S	29.1167E	950	From 1955-01-01
Uvita	UVIT	Costa Rica	9.1474N	83.7101W	288	From 1999-09-16 to 1999-11-07
Uvs, Ulaangom city	ULBM	Mongolia	49.9874N	91.8242E	1407	From 2014-10-24
Uwa jima	UWA	Ehime,Japan	33.2250N	132.5580E	44	
Uwa jima 2	UWA2	Ehime,Japan	33.2137N	132.6245E	450	From 1993-02-01
Uwekahuna	UWE	Hawaii,U.S.A.	19.4211N	155.2930W	1240	From 1930-01-01
Uwekahuna Bluff	UWB	Hawaii,U.S.A.	19.4247N	155.2780W	1091	
UXUV	UXUV	Chiapas	17.3180N	94.1458W	135	
Uyuni	UYUN	Bolivia	20.4619S	66.7469W	3936	From 1994-06-27 to 1995-05-04
Uzd	UZD	Hungary	46.5925N	18.5818E	207	From 1987-01-01 to 1993-12-31
Uzhgorod	UZH	Carpathian Mountains	48.6310N	22.2930E	160	
Uzhgorod	UZHM	Ukraine	48.6290N	22.2910E	120	
Uzumlu	EUZM	Turkey	39.7072N	39.6976E	1250	From 2008-01-01
Uzumlu	UZU	Turkey	39.7086N	39.6981E	1500	
Uzunkopru-Edirne	UKOP	Turkey	41.1288N	26.6323E	70	From 2013-09-11
Uzur	UZR	Irkutskaya Oblast'	53.3230N	107.7410E	480	From 2011-03-18
Uzuto	UZT	Hiroshima,Japan	34.5817N	133.1427E	230	
Uzynbulak	UZB	Kazakhstan	43.1470N	79.0220E	1560	From 2004-06-02
Vaagaholmen	VAGH	Norway	66.7303N	13.2705E	25	From 2019-03-14
Vaalwater,Limpopo Province	SHUDU	South Africa	24.3758S	28.1528E	1346	From 2017-06-19
VABM Dome	J17K	Alaska,U.S.A.	63.3965N	159.0777W	323	From 2017-06-18

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Vacheresse	OG01	Rhone-Alpes,France	46.3300N	6.6830E	1040	
Vacheresse, 74286, Haute-Savoie, Auvergne-Rhone-Alpes	A178A	France	46.3296N	6.6808E	1030	From 2016-06-24
Vackov	VAC	Czech Republic	50.2345N	12.3763E	581	From 2000-08-30
Vackovec	VACK	Czech Republic	50.1414N	12.4727E	457	
Vadso	VADS	Norway	70.1202N	29.3605E	105	From 2016-10-01
Vaenersborg	VANU	Sweden	58.4921N	12.0727E	50	From 2006-07-26
Vaermlandsnaes	NASU	Sweden	58.9278N	13.1862E	50	From 2006-05-10
Værøy	N2VA	Norway	67.6638N	12.6935E	5	From 2013-08-01 to 2016-05-30
Vaestervik	VSTU	Sweden	57.6600N	16.5363E	30	From 2002-05-04
Vaexsjoe	VXJU	Sweden	56.9212N	14.9391E	190	From 2002-10-23
Vafeios (Lesvos)	LES2	Greece	39.3411N	26.2216E	308	From 2023-10-13
Vagar	FVA	Faeroe Islands	62.0757N	7.3520W		
Vagli Paese	VGLP	Italy	44.1107N	10.2896E	613	
Vahovce	A337A	Slovakia	48.2443N	17.7898E	117	From 2015-08-19
Vaihoa	VAH	Tuamotu,French Polynesia	15.2364S	147.6272W	2	
VAIN	VAIN	Costa Rica	9.7768N	85.0102W	60	From 1999-12-07 to 2000-06-17
Vairano Patenora	VAI24	Italy	41.3181N	14.1288E	211	From 2018-06-09
VAIRANO PATENORA	VRP	Italy	41.3332N	14.1317E	207	From 2002-06-19
Vaisvydziai	VSVD	Lithuania	55.9810N	23.9298E	50	From 2017-05-07
Vaivara Sinimaed	EE04	Estonia	59.3740N	27.8750E	110	From 2015-05-21
Vajepar	VJP	Gujarat,India	23.5600N	70.5000E	6	From 2012-01-01
Vajont	VAJ	Italy	46.2667N	12.3300E	725	
Valaam	VALR	Karelia,Russia	61.3593N	30.8835E	39	From 2006-06-18
Valandovo	VAY	North Macedonia,North Macedonia	41.3211N	22.5701E	168	From 1969-01-01
Valbona	VALM	Italy	44.3490N	10.2472E	790	From 1999-03-01
Valcebollere	VALC	Languedoc-Rousillon	42.3820N	2.0432E	1547	From 2015-07-13
Valcebollere	VALF	Languedoc-Rousillon,France	42.4018N	2.0173E	1580	From 1998-11-25
Valchedram	VALD	Bulgaria	43.6899N	23.4356E	93	From 2006-10-01
Val d'Aran	CARA	Spain	42.7076N	0.8181E	1627	From 2011-11-15
Valdeflores	VDF	Oaxaca,Mexico	16.7610N	96.8220W		
Val Des Bois	VABQ	Quebec,Canada	45.9047N	75.6079W	210	From 2010-11-29
Val-des-Bois,QC	VDBQ	Quebec,Canada	45.9277N	75.5697W	204	From 2010-06-24
Valdez	VLD	Alaska,U.S.A.	61.1175N	146.2640W	61	
Valdez	VLZ	Alaska,U.S.A.	61.1315N	146.3320W	10	From 1971-09-02
Valdez South	VZS	Alaska,U.S.A.	61.0442N	146.3050W	668	From 1972-07-22 to 1976-03-27
Valdez West	VZW	Alaska,U.S.A.	61.0590N	146.5540W	796	From 1972-07-17 to 1998-12-31
Valdichiascio	AA02	Italy	43.2655N	12.5751E	650	From 2011-02-08
Val di Lei	VDL	Switzerland	46.4832N	9.4496E	1927	From 1979-09-11
Valdivia	VLCH	Valdivia,Chile	39.8060S	73.2460W	12	
Valdivia	VLV	Valdivia,Chile	39.7900S	73.2764W	12	From 1967-08-01
Val d'Or	VDQ	Quebec,Canada	48.2300N	77.9717W	305	From 1980-12-09
Val d'Or	VALQ	Quebec,Canada	48.1290N	77.5610W	245	
Val d'Or	VLDQ	Quebec,Canada	48.1124N	77.4536W	93	
Valea Ierii	VLR	Romania	46.6542N	23.3547E	1080	From 1982-09-01 to 1989-01-01
Valea Seaca	RO33A	Romania	47.2784N	26.6592E	305	From 2022-08-25
Valencia Peak Digital	VPDC	California,U.S.A.	35.2399N	120.8690W	435	
Valenii de munte	VLM1	Romania	45.1869N	26.0392E	357	From 2015-10-07
Valentia	VAL	Ireland	51.9394N	10.2442W	14	From 1962-10-23
Valfabbrica	VLFB	Italy	43.1594N	12.5964E	302	From 2019-03-05
Valguarnera	VAE	Sicily,Italy	37.4783N	14.4119E	690	
Valinhos	VABB	Brazil	23.0000S	46.9700W	866	
Valinhos	VAO	Sao Paulo,Brazil	23.0022S	46.9658W	840	
Valkenburg	VKB	Netherlands	50.8669N	5.7847E	90	From 1996-09-10
Valkenburg	NE15	Netherlands	50.8670N	5.7850E	100	From 1984-06-01 to 2001-07-28
Valle Agricola	VAGA	Italy	41.4154N	14.2342E	795	From 2005-03-15
Valle Caidos	NE12	Spain	40.6420N	4.1550W	1280	From 1983-05-01 to 1985-02-28
Vallecito	CVLM	California,U.S.A.	37.6263N	121.8360W	245	From 1979-11-14
Valle Cupa	SF03	Italy	42.8028N	11.6856E	712	From 2016-03-19
Valle de Anton	VANT3	Panama	8.6027N	80.1287W	279	
Valle de Chalco	VCVM	Mexico D.F.,Mexico	19.2980N	98.9545W	2224	From 2008-02-07
Valle de Guanape	GUAN	Venezuela	9.9575N	65.6478W	1107	From 1984-01-01
Valle De La Trinidad	VTX	Baja California	31.3914N	115.7840W	750	
Valle D.L. Mare	JVM	Channel Islands,United Kingdom	49.2169N	2.2068W	64	From 1981-01-01
Valle d'Ocre (Ocre)	T0105	Italy	42.3109N	13.4629E	685	From 2009-04-08 to 2009-11-26
Valledupar, Cesar	CVALL	Colombia	10.5080N	73.2580W	354	From 2010-06-05
Valle Exploradores	AY02	Chile	46.4839S	73.1947W	75	From 2015-05-08
Valle Fertil	AVFE	La Rioja,Argentina	30.6593S	67.4558W	910	
Vallegrande	R9027	Bolivia	18.5735S	64.0751W	2084	From 2021-04-30
Valle Grande	BS08	Bolivia	18.4970S	64.1122W	2151	From 2011-11-21
Vallenar	VACH	Coquimbo,Chile	28.5755S	70.7588W	410	
Valle Quemado	ALF2	Colombia	4.8688N	75.3402W	4760	
Valles ARPAV	VALS	Italy	43.3388N	11.8017E	2086	From 2015-07-01
Valley Desolation	DVDT	Dominica	15.3104N	61.3134W	960	
Valley Falls	K06A	Oregon,U.S.A.	42.7991N	120.2510W	1340	From 2006-01-29 to 2007-11-03
Valleyhaven Way San Jose	C054	California,U.S.A.	37.2712N	121.8244W	57	From 2011-03-10
Valley Oaks Golf Course, Visalia	VOG	California,U.S.A.	36.3210N	119.3823W	90	From 2011-05-26
Valley of Fire, Overton	U12A	Nevada,U.S.A.	36.4321N	114.5388W	644	From 2006-06-21 to 2008-10-11
Valley Road Site	AVRM	California,U.S.A.	39.0248N	121.2680W	91	From 1976-07-15
Valley View	GVV	California,U.S.A.	39.7751N	122.6755W	1457	
Vallo di Nera, Frazione Meggiano (PG)	T1215	Italy	42.8019N	12.8685E	694	From 2016-08-25 to 2017-03-15
Valmikinagar	VLK	India	27.4418N	83.9233E	121	
Valmontone	VLMN	Italy	41.7765N	12.9188E	305	From 2022-03-21
Val Nalps	NALPS	Switzerland	46.5951N	8.7483E	2296	From 2011-11-02
Valnes	NBB28	Norway	67.1909N	14.4622E	45	From 2013-08-01 to 2016-06-01
Val Noana	DNOA	Italy	46.1377N	11.8397E	1034	From 2018-11-28
Valparaiso	UTF	Valparaiso,Chile	33.0350S	71.6042W	50	
Valparaiso	VLP	Valparaiso,Chile	33.0258S	71.6411W	88	From 1973-01-01
Valsamata	VLS	Greece	38.1772N	20.5897E	375	
Val Schener	DVSC	Italia	46.1053N	11.7706E	560	From 2016-12-15
VALSINNI	VNN	Italy	40.1719N	16.4431E	247	From 2007-05-10
Valsinni (MT)	MC53	Italy	40.1645N	16.4355E	300	From 2021-06-23 to 2022-04-19
VALVASONE	VAV	Italy	45.9998N	12.8446E	105	From 2016-07-05
Valverde	VVD	Canary Islands,Spain	27.8074N	17.9112W	540	From 1973-09-01 to 1985-02-28
Valverde	CVVD	Canary Islands,Spain	27.8208N	17.9361W	450	From 1985-02-01 to 1993-10-31
Valverde	EVAL	Spain	37.5842N	6.7475W	295	From 1985-03-01
Valvigneres, 07332, Ardeche, Auvergne-Rhone-Alpes	A192A	France	44.5069N	4.5869E	249	From 2016-04-07
Valyra	VALY	Greece	37.1641N	21.9836E	24	From 2019-06-07
Vamos	VAM	Crete,Greece	35.4069N	24.1997E	225	
Van	VANT	Turkey	38.4210N	43.2653E	1750	From 1994-01-22
Van	VNT	Turkey	38.5169N	43.3844E	1804	From 1979-12-01 to 1999-08-25
Van	TVAN	Turkey	38.5286N	43.4061E	2008	From 2001-10-18
Van	VANB	Turkey	38.5950N	43.3890E	1227	
Vanadzor	VANZ	Armenia	40.7910N	44.5280E	1200	
Vanand	VNNZ	Armenia	40.1030N	43.8230E	1020	
Van Buren	T42A	Missouri,U.S.A.	37.0301N	91.0927W	162	From 2011-08-14 to 2013-03-20
Vanda	VND	Victoria Land	77.5239S	161.6720E	150	From 1969-01-12 to 1971-02-01
Vanda	VNDA	Victoria Land	77.5172S	161.8528E	121	From 1986-12-04
Vandellos 2	VAN2	Spain	40.9531N	0.8266E	180	
Vanderhoof	SULB	British Columbia,Canada	53.2786N	124.3576W	1171	From 2006-09-05
Van Goodin Ranch	OGOM	California,U.S.A.	39.6537N	121.6120W	158	From 1976-12-28
Van Hill	VHTN	Tennessee,U.S.A.	36.3990N	82.8021W	630	From 1986-01-14
Van Horn	VHRN	Texas,U.S.A.	30.7866N	104.9852W	1342	From 2017-02-01
Vanikum	BA16	Nordrhein-Westfalen,Germany	51.0301N	6.6616E	81	From 2006-10-01
Van Inlet	VIB	British Columbia,Canada	53.2522N	132.5410W	1008	From 1985-09-01
VAN INLET T-PHASE SITE N1	H02N1	British Columbia,Canada	53.2519N	132.5419W	989	From 2006-11-20
Vanino	VNNR	Khabarovskiy Kray	49.0910N	140.2550E	90	From 2009-09-25
Vanj	VANJ	Tajikistan	38.3747N	71.4686E	3022	From 2010-04-07
Van-Muradiye	VMUR	Turkey	38.9894N	43.5716E	1717	From 2010-11-29
Vannovskaya	VAN	Turkmenistan	37.9480N	58.1080E	580	
Van, Ozalp-Merkez	OZAP	Turkey	38.6614N	43.9928E	2058	From 2014-11-27
Vantage	VTG	Washington,U.S.A.	46.9579N	119.9885W	208	From 1970-07-01 to 2009-04-05
Vantage 2	VT2	Washington,U.S.A.	46.9672N	120.0003W	385	
Vanua Lava	VLN	Vanuatu	13.8867S	167.5420E	18	From 1975-11-20
Vaqueiros	PVAQ	Portugal	37.4037N	7.7173W	193	From 2006-12-23
Vara Blanca	VBL1	Costa Rica	10.1618N	84.1585W	1924	
Varagna	VARA	Italy	45.8260N	10.8965E	1735	From 2012-11-19
Varamin	IVRN	Iran	34.9954N	51.7273E	855	From 1996-01-01
Varanasi	VAR	Uttar Pradesh,India	25.2680N	82.9917E	87	
Varash	RNPP8	Ukraine	51.3362N	25.8548E	172	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Vardanashen	VRNZ	Armenia	40.0490N	44.1910E	841	
Vardenis	VADZ	Armenia	40.1720N	45.7450E	2000	From 1983-01-01
Vardenis	VRD	Armenia	40.2200N	45.7000E	1930	
Vardenisi	VAD	Georgia,Georgia	40.1900N	45.7300E	530	
Vardzia	VRZG	Georgia,Georgia	41.3745N	43.2721E	1260	From 2003-01-01
V. Arenal	VARE2	Costa Rica	10.4610N	84.7189W	792	
Varese	VARE	Italy	45.8677N	8.7700E	1219	From 2009-10-07
Varese	VAI	Italy	45.8674N	8.7684E	1150	
Varese Ligure	VRL	Italy	44.3927N	9.6334E	803	
Varian Well	VARB	California,U.S.A.	35.9261N	120.4471W	-61	
Varillal2	RCVN	Nicaragua	13.5836N	86.1936W	1245	From 2012-02-21
Varlezi	VARL	Romania	45.8996N	27.8487E	123	From 2013-11-19
Varmlds Nysat	VNY	Sweden	59.4040N	12.4820E	229	From 1980-01-01 to 1991-12-31
Varnville	VRN	South Carolina,U.S.A.	33.0375N	80.9417W	30	From 1979-10-15
Varnville	VSC	South Carolina,U.S.A.	32.8792N	81.0500W	30	From 1974-05-20 to 1979-10-15
Varrio	VRF	Finland	67.7480N	29.6090E	350	From 2007-10-01
Vartholomio	VAR2	Greece	37.8638N	21.2073E	41	From 2002-01-02
Varto	VRT	Turkey	39.1310N	41.5290E	1930	
Varto-Mus	VRTB	Turkey	39.1603N	41.4558E	1500	From 2008-11-20
Varzaqan	TVRZ	Iran	38.5042N	46.6675E	1693	
Vashlovani	VSHL	Georgia	41.2302N	46.3998E	602	From 2017-06-10
Vashon High School SMO	VVHS	Washington,U.S.A.	47.4235N	122.4549W	95	From 2001-09-20
VASILIKIADES	VSK1	Greece	38.4090N	20.5640E	315	From 2012-10-01
Vaslui	VASR	Romania	46.6415N	27.7911E	275	From 2013-11-19
Vaslui	VLS2	Romania	46.6383N	27.7312E	120	From 2015-09-15
Vassijaure	VAS	Sweden	68.4167N	18.1833E	469	
Vassilika	VSL1	Greece	40.4792N	23.1360E	56	From 2008-09-30
Vassilikiades, Cephalinia Isl.	VSK2	Greece	38.4091N	20.5640E	303	From 2012-09-01
Vassiliki, Lefkas Island	VAS2	Greece	38.6304N	20.6081E	2	From 2011-06-01
Vassouras	VASS	Rio de Janeiro,Brazil	22.3994S	43.6522W	448	From 1988-01-01
Vassouras-RJ	VAS01	Rio de Janeiro,Brazil	22.2801S	43.4426W	402	From 2011-01-30
Vassurany	A260A	Hungary	47.2834N	16.7056E	243	From 2016-01-26
VASTO	VSE	Italy	42.1221N	14.7071E	137	From 2009-09-21
Vasula	VSU	Estonia	58.4620N	26.7347E	63	
Vathi Samos	SMG1	Greece	37.7535N	26.9779E	20	From 2004-06-30
Vatnsfell	IVAT	Iceland	64.1870N	18.9180W	573	From 1998-04-20
Vatovaky	VTY	Madagascar	19.0759S	47.5386E	1423	From 1973-01-01
Vava'u	VAVA	Tonga	18.6640S	173.9770W	5	
Vayda Guba	PRVG	Murmanskaya Oblast'	69.7461N	32.1830E	180	
Vayk	VAYK	Armenia	39.6949N	45.4260E	1116	
Vaz, Muldain	SVAM	Switzerland	46.6934N	9.5260E	1273	From 1991-11-23
V. Barva	VBV1	Costa Rica	10.1135N	84.0995W	2418	
Vda. El Buco, CENE	CENEC	Colombia	2.8990N	76.0302W	4440	
Vda. Josepe, COND	CONDC	Colombia	1.1938N	77.3925W	4000	
Vda. Mambiloma	SOSO	Colombia	2.1167N	76.6178W	4060	
Veano	VEA	Italy	44.8893N	9.6190E	0	From 1982-01-01 to 2004-12-31
Veberod	VEB	Sweden	55.5990N	13.5160E	116	From 1980-01-01 to 1991-12-31
Veblen	F32A	South Dakota,U.S.A.	45.8705N	97.1264W	371	From 2010-10-24 to 2012-07-22
Vedder Mountain	VDB	British Columbia,Canada	49.0261N	122.1030W	404	From 1983-01-04
Vedder Mountain	VDEB	British Columbia,Canada	49.0570N	122.0571W	349	From 2018-12-21
Vedeno	DVE	Chechnya,Russia	42.9569N	46.1261E	800	From 2011-07-01
Vedriano (Canossa) - RE	RE03	Italy	44.5240N	10.3938E	545	From 2008-12-28 to 2009-02-12
Vega	W28A	Texas,U.S.A.	35.2574N	102.2063W	1156	From 2009-01-20 to 2010-11-14
Veis	IVIS	Iran	34.5264N	46.8496E	1135	From 2004-01-01
Veitongo, Tongo	NUKU	Tonga	21.1839S	175.2094W	9	
Velasquez	VLG	Guatemala	14.2405N	91.0077W	212	From 1980-07-01 to 1987-11-30
Velbert-Hespertal	HES	Germany	51.3670N	7.0420E	127	From 2008-10-01
Velez Rubio	VELZ	Spain	37.5838N	1.9880W	1000	
Veliai	VLI	Greece	36.7182N	22.9370E	220	From 1989-06-01
Veliko Turnovo	VETAM	Bulgaria	43.0805N	25.6367E	224	From 2012-11-20
Velka Javorina	JAVC	Czech Republic	48.8591N	17.6707E	827	
Vena	EVNA	Sicily,Italy	37.7958N	15.1402E	700	From 1994-10-01
Venafro	VNF1	Italy	41.4805N	14.0501E	231	From 2015-11-17
Venator	VT-	Oregon,U.S.A.	43.1136N	118.4147W	1341	From 1962-01-16 to 1962-05-21
Venator	VT-OR	Oregon,U.S.A.	43.1136N	118.4147W	1341	From 1962-01-16 to 1962-05-21
Venebrugge	VBG	Netherlands	52.5447N	6.6704E	11	
Venebrugge (Bruchterveld)	VBG2	Netherlands	52.5440N	6.6693E	-81	From 2010-09-01
Venebrugge (Bruchterveld)	VBG4	Netherlands	52.5440N	6.6693E	-181	From 2010-09-01
Venebrugge (Bruchterveld)	VBG1	Netherlands	52.5440N	6.6693E	-31	From 2010-09-01
Venebrugge (Bruchterveld)	VBG3	Netherlands	52.5440N	6.6693E	-131	From 2010-09-01
Venecia	VENE	Costa Rica	10.3658N	84.2748W	380	
Venezia Lido	VENL	Italy	45.4167N	12.3771E	4	From 2014-06-10
Veniaminof	BPBCA	Alaska,U.S.A.	56.5897N	158.4526W	584	
Veniaminof 1	VNHG	Alaska,U.S.A.	56.2211N	159.1642W	966	
Veniaminof 3	VNNF	Alaska,U.S.A.	56.2837N	159.3160W	1153	
Veniaminof 5	VNKR	Alaska,U.S.A.	56.0312N	159.3678W	620	
Veniaminof 6	VNSG	Alaska,U.S.A.	56.1258N	159.0854W	761	
Veniaminof 7	VNSW	Alaska,U.S.A.	56.0719N	159.5585W	716	
Veniaminof 8	VNWF	Alaska,U.S.A.	56.1517N	159.5622W	1095	
Veniaminof 8	VNSS	Alaska,U.S.A.	56.2267N	159.4548W	1733	
Venice	VEN	Italy	45.4333N	12.3333E	1	
Venje	A252A	Croatia	45.4356N	17.8482E	412	From 2015-11-27
Venslev, Denmark	VEND	Denmark	55.2550N	11.4570E	16	From 2019-08-10
VENTE CASAS, SO DE CAMARONES	EC02	Ecuador	0.9837N	79.5721W	169	From 2016-05-12
Ventisquero	VNTQ	Patagonia	42.8814S	72.4551W	457	From 2010-01-01
Ventotene	VENT	Italy	40.7947N	13.4217E	110	
Venus	FW12	Texas,U.S.A.	32.4991N	97.1486W	203	From 2016-09-22
Venustiano Carranza, BMA	BMAMX	Baja California	32.1733N	116.8983W	83	
Venzolasca, 2B343, Haute-Corse, Corse	A209A	France	42.5041N	9.4944E	20	From 2016-09-15 to 2017-01-24
VENZONE	VNZ	Italy	46.3338N	13.1402E	296	From 2016-07-04
Vera	EXVE	Spain	37.2420N	1.8570W	89	
Vera, Almera	EXVE2	Spain	37.2522N	1.8705W	102	From 2013-01-01
Veracruz	LVMM	Veracruz,Mexico	19.6014N	96.3955W	160	
Veracruz	MANM	Veracruz,Mexico	19.5900N	96.4167W	2	
Veracruz	LIMM	Veracruz,Mexico	19.6803N	96.5281W	200	
Veracruz	VER	Nicaragua	12.0897N	86.1712W	140	From 1977-01-01 to 1983-12-31
Veracruz	VEX	Baja California,Mexico	32.3612N	115.1050W		From 1981-10-21 to 1987-04-10
Veracruz	POHV	Veracruz,Mexico	19.0688N	97.2803W	4150	From 1999-01-01
Veracruz	FARM	Veracruz,Mexico	19.6260N	96.3930W		
Veracruz	CAMM	Veracruz,Mexico	19.5880N	96.4600W	190	
Veracruz	VCM	Veracruz,Mexico	19.2006N	96.1378W	3	
Veragua Rainforest, Limn	VERH	Costa Rica	9.9266N	83.1905W	423	
Veraguas	STCAT	Panama	7.6360N	81.2470W	30	From 2010-01-01
Vera Road	VRZ	North Island,New Zealand	39.1243S	174.7585E	166	From 2003-11-26
Verbania	VRB	Italy	45.9318N	8.5589E	268	From 2012-10-03
Verbania, Casa dell Alpino - Cicogna	A288A	Italy	46.0082N	8.4818E	1306	From 2015-09-06
Verbena	VERB	Costa Rica,Costa Rica	9.9447N	83.6950W	1161	
Vercelli	VRCL	Italy	45.3010N	8.4117E	127	From 2019-07-31
Verde Repeater	VRDI	Alaska,U.S.A.	61.2280N	143.4524W	1880	
Verdigre	K32A	Nebraska,U.S.A.	42.6597N	97.9723W	512	From 2010-07-19 to 2012-04-27
Verdikoussa	VRKS	Greece	39.7840N	21.9765E	910	From 2021-03-14
Verdin	VR2	Colombia	2.9723N	76.0353W	4544	
Verdin	DIAE	Colombia	2.9778N	76.0645W	4000	
Verdin	VERD	Colombia	2.9577N	76.0240W	4350	
Verdi Peak	VPK	California,U.S.A.	39.4747N	120.0370W	2469	
Verdizela	PVERD	Portugal	38.7761N	9.3690W	71	From 2015-09-30
Vered Jericho	VJRH	Israel	31.8269N	35.4346E	-119	From 2018-02-28
Verghereto - FC	MF04	Italy	43.8103N	12.0562E	1043	From 2020-10-09
Verghereto (FC)	PR01	Italy	43.8481N	12.0606E	627	From 2011-05-25
Vergina	VERN	Greece	40.4859N	22.3217E	120	
Verhalen	TPB04	Texas	31.1870N	103.2693W	812	From 2019-02-12
Verhnyaya Amga	YVAM	Sakha,Russia	59.6409N	127.1227E	275	From 2011-06-17
Veris	VERG	Georgia,Georgia	41.7097N	44.7893E	420	From 2003-01-01
Veris	VRZT	Georgia,Georgia	41.7094N	44.7886E	450	From 2003-01-01
Verkh-Chumysh, Kuzbass, Russia	VCHU	Kemerovskaya Oblast'	53.9550N	86.4420E	349	From 2015-06-17
Verkhnechusovskiye Gorodki	PR0R	Permskiy Kray,Russia	58.1990N	57.1407E	121	From 2003-10-23
Verkhne-Kamchatsk	VEK	Kamchatskaya Oblast',Russia	54.6270N	158.4730E	160	
Verkhnyaya Baza	VEH	Kemerovskaya Oblast',Russia	53.2530N	90.3180E	1200	
Vermontville	K47A	Michigan,U.S.A.	42.6704N	84.9993W	275	From 2012-09-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Vern	NYV	Nevada,U.S.A.	37.1128N	115.9900W	1442	From 1971-01-01 to 1973-01-31
Vernal	VN-UT	Utah,U.S.A.	40.5086N	109.5792W	1768	From 1961-10-20 to 1962-06-01
Vernal	VLU	Utah,U.S.A.	40.4464N	109.5150W	1605	
Vernal	VNL	Utah,U.S.A.	40.4581N	109.5482W	1648	From 2005-10-25
Vernal	VN-	Utah,U.S.A.	40.5086N	109.5792W	1768	From 1961-10-20 to 1962-06-01
Vernal Corners	VCS	New York,U.S.A.	42.8578N	78.1997W	488	
Verneugheol	VERF	Limousin,France	45.7495N	2.4838E	776	
Vernon	451A	Florida,U.S.A.	30.6160N	85.7467W	20	From 2012-02-03
Vernon-Luthman Wildlife Area	VLOH	Ohio	40.3227N	84.2431W	304	From 2019-07-23 to 2500-12-31
Veroia	VER1	Greece	40.5266N	22.2071E	120	From 2008-09-30
Veroia, Greece	GR11	Greece	40.5228N	22.1897E	300	From 2022-10-13
Verona	VRNA	Italy	45.4262N	10.9922E	110	From 2019-02-21
Verona	VVMR	Italy	45.4709N	10.9938E	219	From 2010-10-10
Verrico (Montereale)	RM29	Italy	42.5606N	13.2023E	1276	From 2009-09-25 to 2010-03-03
Vertessomio	VSOM	Hungary	47.5066N	18.3757E	150	
Veseth Ranch, Zortman	C20A	Montana,U.S.A.	47.7133N	108.0042W	781	From 2008-08-24 to 2011-01-13
Vestal, Richgrove	VES	California,U.S.A.	35.8409N	119.0847W	154	From 1999-09-30
Vestbygd	VBYGD	Norway	68.3603N	15.3903E	35	From 2020-12-08
Vestmannaeyjar	IVEY	Iceland	63.4194N	20.2754W	154	From 2017-10-26
Vestmannaeyjar	IVME	Iceland	63.4270N	20.2939W	76	From 2012-10-12
Vestmannaeyjar	IVES	Iceland	63.4430N	20.2870W	55	From 2000-12-29
Vesuviano	OV1	Italy	40.8267N	14.3978E	606	From 1974-12-01
Vesuviano	OVO	Italy	40.8267N	14.3978E	606	From 1974-12-01
Vesuvio Array Permanente	VARP	Italy	40.8164N	14.4098E	661	From 2009-02-09
Vesuvio Bunker Est, Vesuvio (NA), Italy	VBKE	Italy	40.8178N	14.4388E	863	From 1992-02-01
Vesuvio Bunker Nord	VBKN	Italy	40.8300N	14.4299E	951	From 2009-05-11
Vesuvio, Bunker Ovest	VBKW	Italy	40.8242N	14.4142E	877	From 2023-04-28 to 2999-12-31
Vesuvio Camaldoli della Torre, Napoli (NA)	VCDT	Italy	40.7794N	14.4088E	118	From 2022-01-01
Vesuvio Cratere Est	VCRE	Italy	40.8190N	14.4314E	1125	From 2008-10-15
Vesuvio Cratere Nord Est (NA) Italy	VCNE	Italy	40.8266N	14.4340E	942	From 2014-11-19
Vesuvio Istituto Enea Portici (NA) Italy	VEPO	Italy	40.8047N	14.3367E	2	From 2016-09-11
Vesuvio Pollena, Pollena Trocchia (NA), Italy	VPOB	Italy	40.8522N	14.3833E	170	From 2004-07-09
Vesuvio Pompei Porta Vesuvio, Pompei (NA), Italy	VPPV	Italy	40.7535N	14.4836E	29	From 2004-03-02
Vesuvio Pozzo Sede storica Osservatorio Vesuviano VOV, Italy	VOVO	Italy	40.8283N	14.3956E	393	From 2015-03-11
Vesuvio San Sebastiano, San Sebastiano al Vesuvio (NA), Italy	VSSB	Italy	40.8412N	14.3705E	175	From 1993-02-01
Vesuvio Terzigno, Terzigno (NA), Italy	VTRZ	Italy	40.8070N	14.4753E	175	From 1994-08-01
Vesuvio Tirone	VTIR	Italy	40.8059N	14.4243E	608	From 2009-06-19
Vesuvio, Torre del Greco (NA), Italy	VTDG	Italy	40.8058N	14.3922E	300	From 2016-06-07
Vesuvio Valle Del Gigante	VVDG	Italy	40.8356N	14.4238E	879	From 2009-09-07
Vesyoloye	VSLR	Krasnodarskiy Kray	43.4612N	40.0324E	340	From 2014-10-27
Veterans Administration Hospital	CVAL	California,U.S.A.	37.6183N	121.7582W	201	From 1981-02-10
Vtroz, Le Botza, VS	VET03	Switzerland	46.2091N	7.2790E	478	From 2018-07-13
Vtroz, Route Cantonale, VS	VET01	Switzerland	46.2225N	7.2690E	487	From 2018-07-13
Vtroz, Route de la Bourgeoisie, VS	VET02	Switzerland	46.2178N	7.2727E	482	From 2018-07-13
Vettahaugen	N1R1	Norway	66.2070N	13.7410E	690	
Veturah	VPOTO	Vanuatu	15.8889S	167.2541E	23	
Vevey Jardin du Rivage, VD	SVEJ	Switzerland	46.4596N	6.8395E	373	From 2016-06-01
Vezirkopru	VEZ	Turkey	41.1305N	35.4627E	387	From 1976-09-01
Via Barilatti, Ancona	CMA13	Italy	43.5938N	13.5029E	38	From 2022-11-15
Via Corta San Lorenzo	C071	California,U.S.A.	37.6821N	122.1332W	1	From 2013-04-29
Via Costantino Imperatore, Rome	NR21	Italy	41.8569N	12.4886E	13	From 2021-01-15 to 2021-04-07
Via Dei Taurini, Rome	NR04	Italy	41.8999N	12.5107E	50	From 2021-01-19 to 2021-04-07
Via Francesco Durante, Rome	NR24	Italy	41.8683N	12.4410E	60	From 2021-01-14 to 2021-04-06
VIAGGIANELLO	VGG7	Italy	39.9727N	16.0851E	616	From 2012-10-08
Vialonga--Serves	PSRV	Portugal	38.8932N	9.0896W	345	
Via Michele Lando	NR11	Italy	41.9141N	12.5226E	41	From 2021-01-13 to 2021-04-06
Vianden	LVIA	Luxembourg	49.9351N	6.2025E	252	From 1990-06-27
Viano (RE)	A306A	Franche Comte	44.5359N	10.5961E	462	From 2015-11-04
Vianos	EVIA	Spain	38.6386N	2.5025W	1110	From 1985-11-01 to 2011-12-31
Via Panisperna, Rome	NR02	Italia	41.8966N	12.4919E	37	From 2021-01-21 to 2021-04-07
Via Pompeo Magno, rome	NR08	Italy	41.9100N	12.4680E	14	From 2021-01-19 to 2021-04-07
Vibo Valentia	VBL2	Italy	38.6707N	16.1082E	535	From 2013-07-25
Vicchio	VMGN	Italy	43.9545N	11.5327E	550	From 2022-07-22
Vicchio	VMG	Italy	43.9617N	11.5439E	450	
Vicenza	VCNZ	Italy	45.5270N	11.5894E	80	From 2019-02-21
Vickery Place, Crowley	135A	Texas,U.S.A.	32.5573N	97.4099W	270	From 2009-11-13 to 2011-09-08
Vicksburg	VBMS	Mississippi,U.S.A.	32.2185N	90.5177W	16	From 2007-04-26
Victor	VCMT	Montana,U.S.A.	46.4425N	114.1872W	1254	
Victor	R54A	West Virginia,U.S.A.	38.1809N	80.9904W	512	From 2013-01-12
Victor	E13A	Montana,U.S.A.	46.4423N	114.1880W	1257	From 2006-10-11 to 2009-06-11
Victoria	VIC	British Columbia,Canada	48.5194N	123.4150W	197	From 1898-01-01 to 1978-03-29
Victoria	VICT	El Salvador	13.9596N	88.6384W	993	From 2013-01-18
Victoria	VCT	Romania	45.7250N	24.7010E	565	From 1989-04-01
Victoria University Law School	VUWS	North Island,New Zealand	41.2799S	174.7784E	7	From 2011-07-06
Victor Mine	VIMO	Ontario,Canada	52.8173N	83.7449W	78	
Victorville	VTV	California,U.S.A.	34.5606N	117.3296W	812	From 1993-04-16
Vida	C22A	Montana,U.S.A.	47.7456N	105.8841W	745	From 2008-09-07 to 2011-01-13
Vidalia	343A	Louisiana,U.S.A.	31.2839N	91.6169W	15	From 2011-02-24 to 2012-11-30
Vidin	PLVAM	Bulgaria	43.9523N	22.8502E	88	From 2012-11-20
Vidor	540A	Texas,U.S.A.	30.2093N	93.9796W	10	From 2010-05-23 to 2011-12-07
Vielha	VIH	Spain	42.6288N	0.7700E	1700	From 1986-01-01 to 2003-12-31
Vielha - Casau	VIER	Spain	42.7065N	0.7863E	1116	From 2002-07-04
Vielha - Hospitau	VIES	Spain	42.7016N	0.7969E	986	From 2004-10-22
Vielle Casse Police Station	DVCT	Dominica	15.6144N	61.4061W	0	From 2004-09-18
Vienna	VIE	Austria	48.2483N	16.3617E	198	
Vienna	VKA	Austria	48.2650N	16.3183E	400	
Vieques	VQS	Puerto Rico	18.1467N	65.4483W	20	From 1903-09-01 to 1924-12-31
Viesci	RM23	Italy	42.5797N	13.0316E	942	From 2009-04-10 to 2009-06-18
VIESTE DANTE	VSD	Italy	41.8807N	16.1703E	480	From 2010-05-19
Vietri Di Potenza	VDP3	Italy	40.6052N	15.5721E	959	
Vieux Emosson	EMV	Switzerland	46.0632N	6.8988E	2210	From 1981-11-18
Viey	VIEF	Midi-Pyrenees,France	42.8837N	0.0237E	1000	From 1996-10-24
Vigarano Mainarda (FE)	CAS06	Italy	44.8203N	11.4918E	15	From 2012-05-24
Vigarano Mainarda (FE)	CAS02	Italy	44.8360N	11.4834E	5	From 2012-05-23
Vigarano Pieve (FE) fraz. Diamantina	CAS04	Italy	44.8805N	11.5269E	14	From 2012-05-23
VIGGIANELLO	VGG	Italy	39.9676N	16.0511E	371	From 2009-10-28
Viggianello (PZ)	T0701	Italy	39.9862N	16.1161E	881	From 2012-05-25
Viggiano	PADE	Italy	40.3143N	15.9026E	610	From 2005-11-16
Viggiano	PADH	Italy	40.3145N	15.9026E	470	From 2018-07-10
Viggiano	BVIG	Italy	40.3359N	15.9020E	849	From 2008-01-26
Viggiano	VIGE	Italy	40.3353N	15.9000E	800	
Viggiano (Prot.Civ.Gr.Lucano)	VGG3	Italy	40.3360N	15.9010E	882	
Viggiano (PZ)	AG11	Italy	40.3324N	15.9521E	909	From 2005-05-10 to 2017-03-27
VI-GOD	IGOD	Iceland	63.6598N	19.3224W	1200	From 2006-09-06
Vihanti	OBF5	Finland	64.4000N	25.3000E	80	From 2013-08-01
Vijayawada	VJD	Andhra Pradesh,India	16.5162N	80.6459E	29	
Vik	VIK	Iceland	63.4217N	19.1000W	19	
Vikbolandet	VIKU	Sweden	58.5017N	16.6992E	100	From 2002-02-05
Vikkela, Lumijoki	OBF4	Finland	64.8136N	25.1029E	40	From 2013-05-13
Vila Bela da Santissima Trindade	VBST	Mato Grosso	14.5330S	60.0153W	235	From 2016-05-07
Vila Bisbo	PFVI	Portugal	37.1328N	8.8268W	189	From 1996-01-01
Vilada	VILA	Spain	42.1363N	1.8913E	400	
Vila do Porto, Ilha de Santa Maria, Portugal	VPORT	Azores	36.9859N	25.1261W	297	From 2017-01-01
Vilaflor	CVIL	Canary Islands	28.1593N	16.6425W	1489	From 2016-11-08
Vilaflor (Tenerife)	CLAJ	Canary Islands	28.1557N	16.6750W	1400	From 2018-03-12
Vila Franca	VIF	Azores,Portugal	37.7448N	25.4397W	647	From 1981-01-01
Vila Franca de Xira	PVFX	Portugal	38.9528N	8.9891W	9	From 2016-06-03
Vila Nova	PVNV	Azores,Portugal	38.7619N	27.1559W	150	From 2003-03-01
Vilanova i la Geltru	VNIG	Spain	41.1821N	1.7525E	-20	From 2012-06-21
Vila Real	PVRL	Portugal	41.2756N	7.7161W	660	From 1995-06-01
Vilhena	VILB	Rondonia,Brazil	12.9528S	60.2002W	434	From 2014-03-30
Vilia, Western Attica	VIL1	Greece	38.1650N	23.3268E	532	From 2008-11-27
Villa Angela Chaco Argentina	VACA	Salta	27.6393S	60.7032W	83	From 2016-12-11
Villa Arriage, A3870	M3870	Mozambique	19.8632S	34.4667E	32	
Villa Bonita	RVLA	Costa Rica,Costa Rica	10.1090N	83.5880W	74	
Villa Celiera	VCEL	Italy	42.3946N	13.8406E	1185	From 2004-05-11
Villacollemandina	VLC	Italy	44.1594N	10.3864E	555	
Villa de Garcia	VNM	Nuevo Leon,Mexico	25.8433N	100.5942W		From 1989-12-01
Villa del Rosario	VIRV	Venezuela	10.5030N	72.4060W	157	From 2001-08-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Villa de Mazo, La Palma	CVIE	Canary Islands	28.5921N	17.8226W	1500	From 2017-10-10
Villa de Mazo, La Palma	CMAZ	Canary Islands	28.6198N	17.7786W	405	From 2017-11-10
Villa di Villa	VVI	Italy	45.9819N	12.4281E	100	From 1987-06-10
Villa Eilenroc - Antibes	EILF	France	43.5480N	7.1310E	30	From 2011-04-08
Villa El Salvador	PP09	Peru	12.2133S	76.9367W	100	
Villa Florida	CPUP	Paraguay	26.3306S	57.3292W	105	From 1994-07-21
VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	[illegible]	Paraguay	26.3423S	57.3119W	164	From 2003-03-19
Villa Flor Norte	R1E40	Managua,Nicaragua	12.1217N	86.2201W	130	From 2018-03-02 to 2019-02-28
Villafranca Tirrena	VLTR	Italia	38.2354N	15.4328E	34	From 2022-11-03
Villa Grajales	VGM	Puebla,Mexico	19.2500N	97.7833W		
Villahermosa	VHSA	Tabasco	17.9825N	92.9388W	22	
Villalba de Calatrava	E041	Spain	38.6500N	3.6572W	830	
Villa los Angeles	E051	Spain	38.9925N	3.6715W	687	
Villa Maderas	MADN	Nicaragua	11.4083N	85.5333W	50	
Villamaria, Caldas	RECRC	Colombia	4.9604N	75.3525W	4136	From 2013-05-17
Villa Marinero	VMO	Oaxaca,Mexico	15.8512N	97.0638W	3	
Villa Mercy	VIL	Maryland,U.S.A.	39.0209N	77.1887W		
Villa Minozzo	VLM	Italy	44.3648N	10.4661E	677	
Villaneto, San Severino Lucano (PZ)	MOC3	Italy	40.0457N	16.1866E	802	From 2021-06-23 to 2022-06-13
Villanova	VINO	Italy	46.2564N	13.2814E	608	
Villa Nueva	BS04	Bolivia	20.0563S	65.3427W	3323	From 2011-09-01
Villanueva de San Juan (Sevilla)	UMV12	Spain	37.0481N	5.1782W	510	From 2019-10-14
Villa O'Higgins	GO08	Chile	48.4648S	72.5566W	300	
Villa Park Dam	VPD	California,U.S.A.	33.8160N	117.7620W	183	From 1971-06-07
Villa Poma (MN)	MIR05	Italy	44.9808N	11.1072E	15	From 2012-05-23
Villa Reale - Cassolnovo	A286A	Italy	45.3660N	8.8338E	170	From 2015-09-07
Villaroger	OG12	Rhone-Alpes,France	45.5375N	6.9053E	1550	From 1993-11-12
Villasalto	VSL	Sardinia,Italy	39.4960N	9.3780E	370	
Villa Sara, Treinta y Tres	VSTT	Uruguay	33.2620S	54.4870W	56	From 2017-09-30
Villa Vallelonga	VVLD	Italy	41.8710N	13.6220E	1005	
Villavicencio, Colombia	VILC	Colombia	4.1120N	73.6935W	1109	From 2011-02-01
Villaviciosa de Cordoba, Cordoba	E021	Spain	38.0057N	4.9163W	609	From 2007-09-15 to 2009-06-17
Ville-en-Selve	VILS	France	49.1225N	4.0867E		
Villefranche	VDCF	Languedoc-Rousillon,France	42.5908N	2.3656E	600	From 1989-01-01 to 1999-07-13
Villelongue	EVVI	Midi-Pyrenees	42.9400N	0.0418W	1084	From 2022-12-07
Ville Marie	VMC	Quebec,Canada	47.3167N	79.4500W		
Villemus	VILF	Provence-Cote d'Azur,France	43.8525N	5.7153E	770	From 1988-04-08 to 2010-03-24
Villeneuve d'Entraunes	OG30	Rhone-Alpes,France	44.1095N	6.7775E	1350	From 1992-01-08 to 2016-12-02
Villia	S022	Greece	38.1740N	23.3700E	526	
Villia	VILL	Greece	38.1642N	23.3122E	650	From 2009-10-12
Villiers-Adam	VDM	Ile-de-France,France	49.0743N	2.2318E	70	From 1983-11-01
Villiers-Adam	NE07	Ile-de-France,France	49.0743N	2.2318E	70	From 1983-11-01
Villigen, Paul Scherrer Institut AG	SFEL	Switzerland	47.5338N	8.2304E	343	From 2015-12-01
VIMA	VIMA	Costa Rica	10.1430N	85.6302W	969	From 1999-12-08 to 2000-05-12
Vimmerby	VIM	Sweden	57.7880N	16.0020E	151	From 1980-01-01
VIN	CVIN	Baja California	31.5725N	115.7703W	1048	
Vina, CA USA	AONC	California	39.9370N	122.0607W	64	From 2020-01-01
Vinarsko	BG05A	Bulgaria	42.6037N	27.1993E	160	From 2022-06-14
Vinca	VINC	Italy	44.1412N	10.1522E	737	From 1994-04-01 to 1999-12-31
Vinchiaturo	VNCH	Italy	41.2967N	14.3516E	635	From 2019-09-25
Vinchina	VCA	La Rioja,Argentina	28.7363S	68.2056W	1500	From 1973-04-01
Vineyard	VIN	California,U.S.A.	36.7500N	121.3850W	330	From 1959-02-03 to 1966-03-09
Vineyard	BVYM	California,U.S.A.	36.7493N	121.4130W	585	From 1975-12-11
Vineyard Canyon	PVCM	California,U.S.A.	35.9221N	120.5350W	770	
Vineyard Canyon	VCAB	California,U.S.A.	35.9216N	120.5339W	555	
Vineyard--Telemeter	VIT	California,U.S.A.	36.7500N	121.3880W	360	From 1961-05-31 to 1965-02-10
Vinh	VIV	Vietnam	18.5475N	105.7000E	5	
Vinh	VIVB	Vietnam	18.6503N	105.6962E	6	From 2007-01-01
Vinh Tuy	VTVB	Vietnam	22.2527N	104.8987E	71	From 2008-01-01
Vinica-Bojanci	VBY	Slovenia	45.5045N	15.2566E	259	From 1986-10-30
Vinje	N2VI	Norway	68.3212N	14.1977E	9	From 2013-08-01 to 2016-05-30
Vinovac	VINV	Croatia	43.5905N	16.0578E	261	From 2019-01-01 to 2021-03-12
Vinton	VO-IO	Iowa,U.S.A.	42.2250N	92.1269W	274	From 1964-09-01 to 1965-03-22
Vinton	L39A	Iowa,U.S.A.	42.1234N	92.0007W	261	From 2011-06-13 to 2013-06-02
Vinton	VO-	Iowa,U.S.A.	42.2250N	92.1269W	274	From 1964-09-01 to 1965-03-22
Viola	U41A	Arkansas,U.S.A.	36.3440N	91.9203W	300	From 2011-06-22
Vir	VIRC	Croatia	44.2925N	15.0540E	32	From 2016-03-17
Virac	PVCP	Luzon,Philippines	13.5960N	124.1540E	50	
VIRE	VIRE	Costa Rica,Costa Rica	9.9668N	83.8975W	2971	
Virgin Gorda	VGVI	Virgin Islands	18.4400N	64.4300W	20	From 2001-12-10 to 2003-04-01
Virgin Gorda, British Virgin Islands	VGBI	Virgin Islands	18.4905N	64.4025W	288	From 2013-02-01
Virgin Gorda Peak	GPV	Virgin Islands	18.4918N	64.4035W		
Virginia	VIR	Orange Free State,South Africa	28.0800S	26.8633E	1341	
Virginia Beach	VBV	Virginia,U.S.A.	36.7853N	76.1080W	5	
Virginia City	VCNR	Nevada,U.S.A.	39.2956N	119.6503W	1928	
Virginia Peak	VIP	Nevada,U.S.A.	39.7540N	119.4610W	2499	
Virginia Western Community College	VWCC	Virginia,U.S.A.	37.2459N	79.9776W	361	
Virojoki	VJF	Finland	60.5388N	27.5550E	34	From 2003-05-26
Visale	VSG	Solomon Islands,Papua New Guinea	9.2528S	159.7130E	330	From 1983-12-22
Viseisei, Central Div. Fiji	LTKA	Fiji	17.6878S	177.4283E	27	
Viseu	PVIS	Portugal	40.7157N	7.8945W	720	From 1995-06-01
Vishakhapatnam	VISK	Andhra Pradesh,India	17.7210N	83.3287E	30	
Vishakhapatnam	VIS	Andhra Pradesh,India	17.7210N	83.3287E	82	From 1962-01-01
Visignano	VISG	Italy	44.1890N	11.4340E	728	From 2004-10-22
Visnje	VISS	Slovenia	45.8033N	14.8393E	403	From 2004-03-01
Visp Littennaring	SVIL	Switzerland	46.2923N	7.8865E	647	From 2010-04-01
Visp, Lonza VS	SVISP	Switzerland	46.3003N	7.8774E	543	From 2015-07-01
Visp Obere Stapfengasse	SVIO	Switzerland	46.2908N	7.8803E	650	From 2010-04-01
Visp-Terbinerstrasse	SVIT	Switzerland	46.2897N	7.8848E	655	From 2010-05-01
Vissoie, Val d'Anniviers	VANNI	Switzerland	46.2101N	7.5968E	1520	From 2009-10-30
Vista de Mar	VCR	Costa Rica	10.1265N	85.6312W	960	
Vista Grande	VG2	California,U.S.A.	33.8318N	116.8090W	0	From 1975-12-01
Vista Hermosa	VHO	Oaxaca,Mexico	17.0723N	96.7332W	1685	
Vista Hermosa	VHM	Oaxaca,Mexico	17.1767N	96.7453W	1829	
Visviri	PB18	Chile	17.5895S	69.4800W	4155	From 2015-12-04
Vitale (Isola del Liri - FR)	T0202	Italy	41.7021N	13.5442E	355	From 2009-06-12 to 2010-01-14
Viti Levu	NMF	Fiji	18.0058S	178.1600E	295	
Vitim	VTMR	Sakha,Russia	59.4400N	112.5500E	190	From 2005-06-27
Vitim	VTM	Sakha,Russia	59.4400N	112.5800E	168	
Vitineika	VTN	Greece	37.9166N	21.1856E	47	From 2009-09-08
Vitoria	PVIA	Azores,Portugal	39.0682N	28.0503W	49	From 2005-09-01
Vitosha	VTS	Bulgaria	42.6180N	23.2350E	1490	
Vittel	VITF	Lorraine,France	48.2172N	5.9844E	460	
Vittoria	HVIT	Sicily,Italy	36.9924N	14.5215E	288	From 2011-12-16
VITTORIA	VTT	Italy	36.9484N	14.5194E	169	
Vitulano	VTB1	Italy	41.1825N	14.6300E	865	From 1999-01-01 to 2005-05-05
Vitulano (BN)	VITU	Italy	41.1833N	14.6302E	847	From 2013-12-31
Vitzeroda	VITZ	Thuringen,Germany	50.8870N	10.0916E	392	From 2010-05-20
Vivian	VVO	Oklahoma,U.S.A.	35.3368N	95.7374W	224	From 1985-09-11
Vivian Onida	I29A	South Dakota,U.S.A.	44.0215N	100.3034W	592	From 2009-09-11 to 2011-06-30
Vizcacheras	AVIZ	Mendoza,Argentina	33.4730S	68.5162W	1019	
Vizianagram	VIZ	Andhra Pradesh,India	18.1167N	83.4500E		
Vizzini	HVZN	Sicily,Italy	37.1780N	14.7150E	730	From 1994-05-01
VIZZINI	VZZ	Italy	37.1634N	14.7553E	646	From 2009-10-27
Vlachokerasia	VLX	Greece	37.3703N	22.3793E	1035	From 2006-06-28
Vladesti	VLDR	Romania	45.8443N	28.0808E	155	From 2015-07-23
Vladikavkaz	VLKR	Severo-Osetinskaya,Russia	43.0465N	44.6773E	684	From 2003-06-23
Vladikavkaz	VLDK	Severo-Osetinskaya	43.0463N	44.6774E	682	From 2002-01-01
Vladila	VLAD	Romania	43.9986N	24.4038E	138	From 2012-10-31
Vladivostok	VLA	Primorskiy Kray,Russia	43.1196N	131.8850E	61	
Vlagtwedde	VLW3	Netherlands	52.9682N	7.0972E	-143	From 2010-10-29
Vlagtwedde	VLW	Netherlands	52.9694N	7.0982E	7	
Vlagtwedde	VLW2	Netherlands	52.9682N	7.0972E	-93	From 2010-10-29
Vlagtwedde	VLW4	Netherlands	52.9682N	7.0972E	-193	From 2010-10-29
Vlagtwedde	VLW1	Netherlands	52.9682N	7.0972E	-43	From 2010-10-29
Vlasceni	RO12A	Romania	44.5829N	25.5996E	137	From 2022-06-09
Vlasy	PR4R	Permskiy Kray,Russia	57.9137N	55.6777E	152	From 2006-02-07 to 2020-10-22
Vlasy Permskiy Kray Russia	PR41R	Permskiy Kray	57.9116N	55.6800E	136	From 2020-10-22
Vlora	VLO	Albania	40.4686N	19.4955E	43	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Vlychada, Santorini	SNT2	Greece	36.3398N	25.4325E	50	From 2011-07-05 to 2014-04-26
VMA	CVMA	Costa Rica	9.5982N	84.4273W	234	From 2002-04-11 to 2002-10-01
Vobarno	VOBA	Italy	45.6429N	10.5040E	292	From 2006-06-28
Voceto	MZ62	Italy	42.6350N	13.3260E	1086	From 2016-09-28 to 2016-10-26
Vodivohitra	VDA	Madagascar	19.0610S	46.9530E	1472	From 1994-12-18
Vodopadnii	VDP	Kamchatskaya Oblast',Russia	55.7700N	160.2200E	1060	From 1977-01-01 to 1991-12-31
Voegtlinshoffen	VOEG	Alsace	48.0256N	7.2723E	452	From 2015-01-01
Voellerdingen	VOEL	Alsace	48.9667N	7.1227E	273	From 2016-01-01
Vogar	IVOG	Iceland	63.9700N	22.3930W	7	From 1997-02-23
Vogel Lake	VOGL	Alaska,U.S.A.	60.9961N	150.4307W	38	
Voghera	VG1	Italy	44.9292N	9.0958E		From 1980-06-22 to 1999-08-25
VOGHERA	VGR	Italy	44.9945N	8.9809E	131	From 2012-10-03
Vogsosar	IVOS	Iceland	63.8530N	21.7040W	8	From 1997-04-15
Vogtsburg - Totenkopf, Kaiserstuhl	VOGT	Baden-Wurttemberg	48.0814N	7.6700E	536	From 2015-09-01
Vohitsoka	VOI	Madagascar	21.9065S	46.7933E	1156	From 2009-11-26
Voineasa-Covasna	COVR	Romania	45.8456N	26.2043E	617	From 2015-08-11
Vojsko	VOJS	Slovenia	46.0317N	13.8833E	1046	From 2004-10-01
Vojsko	VOY	Slovenia	46.0317N	13.8935E	1073	From 1984-11-01
Volborg	F23A	Montana,U.S.A.	45.7212N	105.4056W	953	From 2008-11-17 to 2010-08-07
Volc¡n Rumiahui	RUNA	Ecuador	0.5943S	78.4671W	3999	From 2023-03-01
Volcan	BRU2	Panama	8.7940N	82.6910W	1308	
Volcan Apoyeque sitio 3	APQ3	Managua,Nicaragua	12.2723N	86.3688W	82	From 2014-06-10
Volcan Arenal	VACR	Costa Rica	10.4730N	84.6775W	360	From 1986-04-29
Volcan Cerro Prieto	VCP	Baja California,Mexico	32.4000N	115.3000W	110	From 1976-10-28
Volcan Chico	VCHI	Galapagos,Ecuador	0.7917S	91.0667W	1490	
Volcn Chico	VCH1	Galapagos,Ecuador	0.7837S	91.0954W	1490	From 2012-10-06
Volcn Chiles	CHL2	Ecuador	0.8022N	77.9179W	4005	From 2014-04-25
Volcn Chiles-Cueva de arcos	CHL1	Ecuador	0.7923N	77.9462W	4191	From 2014-05-08
Volcan de Colima INCA	INCO	Colima	19.5255N	103.6040W	3245	
Volcan de Colima JUBA	JUBC	Colima	19.5153N	103.5698W	2345	
Volcan de Colima MNGR	MNGA	Colima	19.4662N	103.6203W	2117	
Volcan de Pacaya, Repetidora Emisoras Unidas	PCG2	Guatemala	14.3766N	90.6318W	1900	From 2021-02-20
Volcan Galeras	GCUF	Colombia	1.2260N	77.3450W	3800	
Volcan Irazu	HAYA	Costa Rica	9.9801N	83.8428W	3245	From 1984-04-01
Volcan Irazu	ICR	Costa Rica	9.9808N	83.8305W	3306	
Volcan Irazu	IRZ	Costa Rica	9.9744N	83.8657W	3380	From 1984-03-17 to 1985-12-31
Volcan Irazu 2	IRZ2	Costa Rica	9.9688N	83.8975W	2975	From 1985-01-01
Volcan Momotombo	MOM1	Leon,Nicaragua	12.4273N	86.5834W	54	From 2014-06-11 to 2017-11-05
Volcan Momotombo	BC84	Nicaragua	12.3941N	86.5404W	92	From 2014-04-15 to 2019-08-23
Volcan Moyuta, Jutiapa	JUT2	Guatemala	14.0339N	90.0889W	1200	From 2021-10-28
Volcan Nyalulag	NYAM	Democratic Republic of the Congo	1.4100S	29.2000E	3056	
Volcano de Colima	SOMAC	Jalisco	19.5240N	103.6300W	3002	
Volcano Irazu	VICA	Costa Rica,Costa Rica	9.9845N	83.8447W	3358	
Volcano Irazu 3	ICR3	Costa Rica,Costa Rica	9.9782N	83.8320W	3277	
Volcano Peak E	WVPM	California,U.S.A.	35.9495N	117.8170W	1463	From 1975-09-26
Volcano Peak East	VPEM	California,U.S.A.	35.9495N	117.8170W	1463	From 1975-09-26
Volcano Poas	VPS6	Costa Rica,Costa Rica	10.1903N	84.2318W	2596	
Volcan Poas	VPS	Costa Rica	10.1873N	84.2385W	2570	
Volcan Poas 2	VPS2	Costa Rica	10.1902N	84.2353W	2570	From 1980-11-01
Volcan Purace	PURC	Colombia	2.3222N	76.3617W	3950	From 1987-01-01
Volcan Rincon	RIN3	Costa Rica	10.7908N	85.3787W	900	From 1988-08-26
Volcan Rincon	RIN2	Costa Rica	10.8185N	85.3495W	1400	From 1987-05-20 to 1988-08-26
Volcan Rincon	RIN	Costa Rica	10.7735N	85.3583W	775	From 1984-11-01 to 1987-05-20
Volcan Sangay	SANGA	Ecuador	2.0513S	78.3714W	3533	
Volcan San Salvador	VSS	El Salvador	13.7417N	89.2417W	1250	
Volcan, TBS2	TBS3	Panama	8.7827N	82.6475W	1391	
Volcan Telica	HERN	Nicaragua	12.6093N	86.8310W	743	From 2013-01-01
Volcan Turrialba	VTU	Costa Rica	10.0210N	83.7583W	3329	
Volcan Turrialba	VTR0	Costa Rica	10.0173N	83.7602W	3300	
Volcan Turrialba, Cartago	CVTR	Costa Rica	10.0200N	83.7593W	3225	From 2000-01-01
Volcan Turrialba, Hacienda Retiro	VTRE	Costa Rica	10.0018N	83.7945W	2706	From 2012-06-01
Volcan Turrialba, VTRT	VTRT	Costa Rica	10.0020N	83.7927W	2709	From 2015-04-23
Volcan Villarrica	VNV	Cautin,Chile	39.3692S	71.9528W	1200	From 1983-01-01
Volimes	VOL	Greece	37.8857N	20.6775E	552	From 2007-04-19
Volimes, Zakynthos	VLMS	Greece	37.8766N	20.6628E	431	From 2013-07-15
Volkach	A111A	Germany	49.8478N	10.2132E	249	From 2015-10-23
Vollmer Peak	CVPM	California,U.S.A.	37.8840N	122.2220W	568	
Volos	VOL2	Greece	39.3660N	22.9506E	22	From 2012-08-01
Volta Mantovana (MN)	VMAN	Italy	45.3135N	10.6628E	64	From 2020-12-15
Volta Mantovana (MN)	A313A	Italy	45.3135N	10.6628E	63	From 2015-12-30
VOLTERRA	VLT	Italy	43.4027N	10.8674E	543	From 2010-05-04
Voluntari	SVMR	Romania	44.5003N	26.1841E	88	From 2020-06-02
Vomvokou	VVK	Greece	38.4222N	21.8115E	651	From 2010-09-30
Vonarskard	IVON	Iceland	64.6732N	17.7558W	999	From 2013-09-09
Vorderriss, Lenggries, Bavaria	A140A	Germany	47.5523N	11.4361E	790	From 2016-01-18
VORI	VORI	Costa Rica,Costa Rica	10.8180N	85.3465W	1579	
Voronezh	VOR	Voronezhskaya Oblast',Russia	51.7311N	39.2000E	160	From 1997-01-01 to 2008-08-20
Voronezh	VORR	Voronezhskaya Oblast',Russia	51.6717N	39.2082E	150	From 2008-08-20
Vostochnaya	VOSK	Kazakhstan	52.7233N	70.9797E	450	From 1999-09-24
Vostochnaya	VOS	Kazakhstan	52.7233N	70.9797E	450	From 1999-09-24
Vostochnaya array site	VOS5	Kazakhstan	52.7435N	71.0042E	316	From 1995-08-10
Vostochnaya array site	VOS4	Kazakhstan	52.7686N	70.9906E	321	From 1995-08-10
Vostochnaya array site	VOS8	Kazakhstan	52.7524N	70.9211E	344	From 1995-08-10
Vostochnaya array site	VOS6	Kazakhstan	52.7478N	70.9649E	327	From 1995-08-10
Vostochnaya array site	VOS7	Kazakhstan	52.7276N	70.9370E	328	From 1995-08-10
Vostochnaya array site	VOS9	Kazakhstan	52.7696N	70.9511E	329	From 1995-08-10
Vostok	VOSTO	Vostok Station	78.4500S	106.8667E	3500	
Votaw Ranch, Wellfleet	N29A	Nebraska,U.S.A.	40.8189N	100.6264W	897	From 2009-05-19 to 2011-04-11
Vottur	IVOT	Iceland	64.2708N	17.1825W	1041	From 2011-06-06
Vouglans	VOU	Franche Comte,France	46.3989N	5.6508E	495	From 1967-03-01
Voula,Athens	VLY	Greece,Greece	37.8524N	23.7942E	256	From 2008-02-12
Voutes	VOUT	Crete	35.3077N	25.0799E	94	From 2020-05-28
Vouvas Sfakia	SFK2	Crete	35.2116N	24.1898E	176	From 2015-07-15
Vouvousa, Greece	GR15	Greece	39.9409N	21.0470E	1016	From 2022-10-01
Vovousa, N011	N011M	Greece	39.9379N	21.0496E	1038	
Vozrozhdenie	VOZR	Krasnodarskiy Kray,Russia	44.5530N	38.2230E	92	From 2009-11-23 to 2013-11-03
V. Platanar	VPL3	Costa Rica	10.3479N	84.3095W	640	
V. Platanar	VPL2	Costa Rica	10.3061N	84.3824W	1400	
V. Platanar	VPL1	Costa Rica	10.2560N	84.3653W	1830	
V Poas	VPS8	Costa Rica	10.1789N	84.2420W	2625	
V. Poas	VPS5	Costa Rica	10.1903N	84.2319W	2596	
Vranov	VRAC	Czech Republic	49.3083N	16.5935E	475	From 1989-12-01
Vrchy	VRCH	Czech Republic	49.3039N	14.6369E	523	From 2005-01-01
Vrh nad Dolskim	VNDS	Slovenia	46.1016N	14.7014E	531	From 2005-12-16
Vrincioaia	VRI	Romania	45.8657N	26.7277E	475	From 1967-01-01
Vrontados, Chios Island	VRO1	Greece	38.4057N	26.1339E	34	From 2010-10-01
Vrsac	VRSS	Serbia	45.1228N	21.3248E	346	From 2018-06-13
V-Sauoahnukur	IVSH	Iceland	64.8080N	15.7280W	849	From 2004-12-29
VTCV, Calle Vargas, Turrialba	VTCV	Costa Rica	9.9831N	83.7267W	1664	From 2012-04-23
VTLO	VTLO	Costa Rica,Costa Rica	10.0437N	83.7270W	2406	
V. Turrialba, Gupiles	CVTG	Costa Rica	10.1465N	83.7742W	611	
Vulcan	VUL	New Britain,Papua New Guinea	4.2828S	152.1460E	332	From 1967-01-01
Vulcanello	VN6*	Sicily,Italy	38.4256N	14.9625E		From 1966-04-01 to 1966-05-01
Vulcano Cr IE	IVCR	Sicily,Italy	38.4080N	14.9620E	140	From 1977-01-01
Vulcano Grillo IE	IVUG	Sicily,Italy	38.3960N	14.9860E	250	From 1977-01-01
Vulcano Grotta dei Palizzi	IVGP	Sicily,Italy	38.3968N	14.9608E	129	From 2011-12-05
Vulcano Lentia IE	IVLT	Sicily,Italy	38.3960N	14.9480E	150	From 1977-01-01
Vulcano lo. Piano	OEM9	Italy	38.3879N	14.9908E	492	From 2021-11-03
Vulcano Piano	VPL	Sicily,Italy	38.3789N	14.9836E	410	
Vulcano Piano	IVPL	Sicily	38.3763N	14.9801E	480	
Vulcano Villaggio Lentia	OEM4	Italy	38.4095N	14.9422E	183	From 2021-10-07
Vulcano Vulcanello, Cappello di Bonanno	OEM5	Italy	38.4223N	14.9661E	49	From 2021-10-07
Vunargo	VNG	Greece	37.7410N	21.3930E	240	From 2006-05-15
Vunidawa	VDW	Fiji	17.8336S	178.2528E	409	From 1979-10-01
Vunikawai	VUN	Fiji	18.0072S	178.4633E	178	From 1976-12-01
Vuosaari Helsinki	VUOS	Finland	60.1900N	25.1456E	6	From 2020-01-14
Vuterbahal	VTBH	Orissa	20.5970N	83.2910E	209	From 2017-09-14
VWDT	VWDT	Taiwan region	23.7537N	121.1412E	0	From 2009-07-16
VWUC	VWUC	Taiwan region	24.9911N	119.4492E	5	From 2009-09-14

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Vyborg	VYB	Leningradskaya Oblast',Russia	60.7167N	28.8000E	25	
Vyborg	VYBR	Leningradskaya Oblast'	60.7247N	28.6955E	8	From 2005-12-14
Vyhne	VYHS	Slovakia	48.4940N	18.8361E	480	
Vyrnwy	WVR	Wales,United Kingdom	52.7974N	3.6051W	580	From 1985-01-01
W01	W01	East of Mariana Islands	18.3984N	146.9248E	-3808	
W01	IASBS	Iran	34.3463N	45.7438E	532	From 2013-10-08 to 2014-11-01
W02	W02	East of Mariana Islands	18.2202N	146.9263E	-3577	
W03	W03	East of Mariana Islands	18.0400N	146.9310E	-3609	
W05	W05	East of Mariana Islands	17.6967N	146.9393E	-3848	
W06	W06	East of Mariana Islands	17.5260N	146.9410E	-3978	
W07	W07	East of Mariana Islands	17.3645N	146.9445E	-3935	
W08	W08	East of Mariana Islands	17.1939N	146.9487E	-4129	
W10	W10	East of Mariana Islands	16.8434N	146.9560E	-4121	
Wabag	WAB	Papua New Guinea	5.4947S	143.7280E	2032	From 1968-01-01
Wabash College	WVIL	Illinois,U.S.A.	38.4298N	87.7817W	160	
Wabush	WABN	Newfoundland,Canada	52.9080N	66.8710W	563	
Wabush	WBHL	Newfoundland,Canada	52.9030N	66.8663W	595	From 2011-07-18
Wachi	JWT	Kyoto,Japan	35.2825N	135.4015E	172	
Wade Farm, Kenmare	A26A	North Dakota,U.S.A.	48.8973N	102.0380W	570	From 2009-07-23 to 2011-07-25
Wadena	E34A	Minnesota,U.S.A.	46.5136N	95.1691W	430	From 2010-08-26 to 2012-07-31
Wadesville	WDIN	Indiana,U.S.A.	38.0908N	87.7158W	164	
Wadia Institute--Dehra Dun	WIHG	Uttar Pradesh,India	30.3285N	78.0130E	619	From 1985-11-01
Wadi Bani Khalid	WBK	Oman	22.6100N	58.9700E	450	From 2001-07-01
Wadi Hawf	WHFO	Oman	17.9190N	53.7706E	550	From 2001-07-01
Wadi `Ibn Hashbal	WBHS	Saudi Arabia	18.6062N	42.7288E	1882	
Wadi Mousa	WMSJ	Jordan	30.3250N	35.4650E	965	From 2001-01-01
Wadi Sarin	WSAR	Oman	23.2390N	58.6307E	326	
Wadsworth	WAD	Nevada,U.S.A.	39.6878N	119.2880W	1262	
Waduk Cacaban	CTJI	Jawa,Indonesia	7.0075S	109.1836E	104	
Waelder	EF64	Texas	29.7397N	97.3128W	130	From 2018-12-17
Waffenplatz Bedrina, Airolo, TI	BTAO	Switzerland	46.5296N	8.5903E	1311	From 2018-11-16
Wagan	WAG	United Arab Emirates	23.6671N	55.4891E	0	From 2020-08-01
Wagenman Farm, Cando	B29A	North Dakota,U.S.A.	48.4649N	99.3535W	460	From 2009-08-21 to 2011-07-19
Wager Bay	WAGN	Northwest Territories,Canada	65.8792N	89.4445W	0	From 2006-08-20
Wagin	WA2	Western Australia,Australia	33.2767S	117.3370E	300	From 1973-06-09
Wgital, SZ	WGT	Switzerland	47.0984N	8.9253E	913	From 2019-06-20
Wagner Farm, Oakesdale	D10A	Washington,U.S.A.	47.0547N	117.2759W	775	From 2006-09-23 to 2008-06-19
Wagon Wheel Ranch, Midkiff	329A	Texas,U.S.A.	31.4870N	101.9808W	842	From 2009-02-08 to 2010-12-10
Wahat al Ahsa'	HASS	Saudi Arabia	25.1899N	49.6944E	200	
Wahat Dakhilah	HDK2	Egypt	24.3195N	28.9546E	380	
Wahat Farafirah	HFRF	Egypt	27.1484N	28.3105E	135	
Wahaula	WHA	Hawaii,U.S.A.	19.3317N	155.0490W	29	
Wahet Paris	APRS	Egypt	24.3718N	30.7126E	185	
Wahianoa	WNVZ	North Island,New Zealand	39.3270S	175.5979E	1566	From 2004-04-15
Wahluke	WAH	Washington,U.S.A.	46.7520N	119.5780W	231	From 1970-07-01
Wahluke Slope	WAH2	Washington,U.S.A.	46.7553N	119.5657W	244	
Wahnapitae	E50A	Ontario,Canada	46.4232N	80.7378W	242	From 2012-11-01
Wahnbachtalsperre	WBS	Nordrhein-Westfalen,Germany	50.8061N	7.2831E	130	From 1990-11-01
Wahner Farm, Parshall	C26A	North Dakota,U.S.A.	47.8259N	102.0957W	656	From 2009-07-26 to 2011-06-09
Wahoo	WHNE	Nebraska,U.S.A.	41.2362N	96.6525W	381	
Wah Wah Mountains	WW-UT	Utah,U.S.A.	38.5139N	113.5889W	1829	From 1963-04-16 to 1963-07-15
Wah Wah Mts	WW-	Utah,U.S.A.	38.5139N	113.5889W	1829	From 1963-04-16 to 1963-07-15
Waiatarua	WTAZ	North Island,New Zealand	36.9324S	174.5734E	340	From 1995-01-10
Waiau Gorge	WIGC	South Island,New Zealand	42.7012S	172.8003E	247	From 2004-11-27
Waidhofen	A017A	Austria	47.9480N	14.7589E	589	From 2015-07-09
Waiheke Island	WIAZ	North Island,New Zealand	36.7930S	175.1339E	191	From 2010-07-27
Waihua	WHHZ	North Island,New Zealand	39.0768S	177.2344E	261	From 2009-06-30
Waikabubak, Sumba	WBSI	Sumba,Indonesia	9.6411S	119.3911E	456	From 2008-12-01
Waikakaho Road	BWRS	South Island,New Zealand	41.4395S	173.9051E	75	From 2011-08-22
Waikari	WAKC	South Island,New Zealand	42.9631S	172.7052E	219	From 2005-11-14
Waikii	WKH	Hawaii,U.S.A.	19.8597N	155.6600W	1433	
Waimanalo Ridge	WMR	Hawaii,U.S.A.	21.3203N	157.6823W	200	
Waimangu	WGZ	North Island,New Zealand	38.2862S	176.3872E	440	From 1980-08-20 to 1983-12-15
Waingapu	WSI	Sumba,Indonesia	9.6689S	120.2976E	48	
Wainui Dam	WDW	North Island,New Zealand	41.2670S	174.9939E	130	From 1976-12-07 to 1992-07-31
Wainuiomata Arakura School	ARKS	North Island,New Zealand	41.2421S	174.9441E	96	From 2001-12-04
Wainuiomata Bush Fire Force	WDAS	North Island,New Zealand	41.2574S	174.9485E	90	From 2004-06-22
Wainuiomata Hill	WANS	North Island,New Zealand	41.2312S	174.9310E	359	From 2011-08-23
Wainwright	A19K	Alaska,U.S.A.	70.2043N	161.0713W	24	From 2017-09-26
Waiomatatini Station	WMGZ	North Island,New Zealand	37.8191S	178.4149E	129	From 2009-12-10
Waiotahi Valley	WAINZ	New Zealand	38.0885S	177.1863E	48	
Waipapa Point	WPZ	South Island,New Zealand	46.6587S	168.8498E	15	From 1966-11-18 to 1976-09-21
Waipawa District Council	WPWS	North Island,New Zealand	39.9439S	176.5843E	140	From 2002-01-29
Waipu Caves	WCZ	North Island,New Zealand	35.9388S	174.3450E	108	From 1990-10-13
Waipukurau	WPHZ	New Zealand	40.0643S	176.4406E	350	From 2006-10-19
Wairakei	WNZ	North Island,New Zealand	38.6295S	176.1030E	350	From 1962-08-01 to 1985-09-27
Wairara	WATZ	North Island,New Zealand	38.7079S	175.7332E	560	From 1996-08-17
Wairau Valley Farm	WVFS	South Island,New Zealand	41.6202S	173.3509E	262	From 2002-10-13
Wairiri	WAI	South Island,New Zealand	43.4950S	171.8684E	400	From 1947-03-01 to 1948-03-31
Wairoa Fire Station	WFSS	North Island,New Zealand	39.0343S	177.4249E	0	From 2008-09-17
Waitaha Valley	WVZ	South Island,New Zealand	43.0743S	170.7368E	91	From 1990-05-16
Waitaha Valley Strong	WVAS	South Island,New Zealand	43.0716S	170.7372E	87	From 2003-10-15
Wajiki	WKJ	Tokushima,Japan	33.8598N	134.5147E	100	
Wa jima	WAJ	Ishikawa,Japan	37.3900N	136.8980E	7	
Wakamiya	WMY	Kochi,Japan	33.6421N	133.6750E	230	From 1967-04-01 to 1999-08-25
Wakanui South Island, New Zealand	WACZ	South Island,New Zealand	43.9425S	171.8391E	97	From 2013-04-08
Wakarara	WAHZ	North Island,New Zealand	39.6974S	176.3555E	657	From 1987-03-19 to 2000-12-05
Wakarara Rangimaire Farm	WAKS	North Island	39.7727S	176.2517E	441	From 2003-06-25
Wakaura	WKU	Wakayama,Japan	34.1879N	135.1730E	10	From 1953-10-01 to 1978-08-26
Wakayama	WKY	Wakayama,Japan	34.2267N	135.1670E	14	
Wakayama	WKME	Wakayama,Japan	34.1909N	135.1673E	5	
Wakayama 2	WKYJ	Wakayama,Japan	34.2190N	135.5925E	795	
Wakayamakushimoto	JWKM	Wakayama,Japan	33.4498N	135.7573E	68	From 2012-07-01
Wake	WKE	Wake Island,U.S.A.	19.3150N	166.6270E	5	From 1956-01-01 to 1969-12-31
Wakefield	E40A	Michigan,U.S.A.	46.4446N	89.8991W	472	From 2011-09-09 to 2013-06-08
Wake Island	WAKE	Wake Island,U.S.A.	19.2833N	166.6536E	0	
Wake Island	I60US	Wake Island	19.2918N	166.6113E	4	From 2016-10-24
WAKE ISLAND Hydroacoustic Site N1	H11N1	Wake Island,U.S.A.	19.7136N	166.8911E	-2149	From 2010-01-24
WAKE ISLAND Hydroacoustic Site N2	H11N2	Wake Island,U.S.A.	19.7311N	166.8968E	-2148	From 2010-02-19
WAKE ISLAND Hydroacoustic Site N3	H11N3	Wake Island,U.S.A.	19.7179N	166.9099E	-2162	From 2010-02-19
WAKE ISLAND Hydroacoustic Site S1	H11S1	Wake Island,U.S.A.	18.5083N	166.7003E	-1929	From 2010-01-24
WAKE ISLAND Hydroacoustic Site S2	H11S2	Wake Island,U.S.A.	18.4905N	166.7054E	-1939	From 2010-02-19
WAKE ISLAND Hydroacoustic Site S3	H11S3	Wake Island,U.S.A.	18.4949N	166.6873E	-1872	From 2010-02-19
Wakkake-Misaki	JWK	Soya,Japan	45.4168N	141.6732E	90	
Wakkanai	WAKJ	Soya,Japan	45.4133N	141.6833E	11	
Wakkanai	WAK	Soya,Japan	45.4167N	141.6730E	90	
Wala	WALJ	Jordan	31.5620N	35.8110E	53	
Walarano	VNARW	Vanuatu	15.9800S	167.3428E	62	
Waldbreitbach	GLOK	Germany	50.5447N	7.4337E	293	
Walderalm	WATA	Austria	47.3357N	11.5763E	1492	From 1989-10-01
Waldi	WLDE	Ethiopia	11.8243N	39.5874E	1879	
Waldron Ledge	WLG	Hawaii,U.S.A.	19.4248N	155.2620W	1067	From 1971-09-01 to 2000-11-09
Walebing	WLBG	Western Australia	30.6870S	116.2622E	320	From 2020-08-28
Walenstadt, Sportplatz SG	SWAS	Switzerland	47.1220N	9.3088E	424	From 2015-12-15
Walferdange	WLF	Luxembourg	49.6646N	6.1526E	295	
Walker	WAKR	Nevada,U.S.A.	38.5044N	119.4372W	1890	
Walker Mountain	WMV	Virginia,U.S.A.	37.1085N	80.9705W	1157	
Walker Mountain	VWMM	Oregon,U.S.A.	43.3050N	121.7160W	2158	
Walker Pass	WWPM	California,U.S.A.	35.7355N	118.0870W	1151	
Walker Ridge	WKC2	California,U.S.A.	40.3892N	124.2960W	226	From 1980-11-05
Walker Ridge	WKC	California,U.S.A.	40.3933N	124.2880W	225	From 1973-01-01 to 1980-11-05
Walker Ridge	GWKM	California,U.S.A.	39.0520N	122.4910W	841	
Walkerton	BWLO	Ontario,Canada	44.1174N	81.1382W	228	From 2007-08-01
Wallace	G43A	Michigan,U.S.A.	45.2572N	87.6861W	213	From 2011-09-12 to 2013-06-11
Wallace	WAL	Idaho,U.S.A.	47.4600N	115.9650W		
Wallace Dam	WDG	Georgia,U.S.A.	33.3440N	83.1752W	177	From 1978-02-01
Wallace O'Dowd Wildlife Area	WODO	Ohio	39.5296N	82.1261W	297	From 2021-07-01 to 2500-12-31
Wallaroo	WALR	South Australia	33.9598S	137.6221E	18	From 2018-07-20
Walla Walla High School ANSS SMO	WWHS	Washington,U.S.A.	46.0453N	118.3183W	10	From 2003-09-24

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wallersheim-Loch	LOH	Rheinland-Pfalz,Germany	50.1825N	6.5356E	580	From 2006-12-01
Wallhausen, DE	WALHA	Germany	47.7530N	9.1230E	385	From 2013-07-18
Wallila Gap	WGW	Washington,U.S.A.	46.0447N	118.9330W	162	From 1971-10-01
Wall Ranch, Gause	436A	Texas,U.S.A.	30.7702N	96.7960W	109	From 2010-01-27 to 2011-11-08
Walls	WAL1	Shetland Islands,United Kingdom	60.2564N	1.6173W	167	From 1980-01-01
Walls	WALU	Shetland Islands,United Kingdom	60.2576N	1.6133W	170	
Wallula Gap	WG3	Washington,U.S.A.	46.0286N	118.8570W	480	From 1990-01-01
Wallula Gap	WG2	Washington,U.S.A.	46.0306N	118.8560W	511	From 1987-04-01
Wally Ulrich	WUWY	Wyoming,U.S.A.	43.5394N	110.7429W	1965	
Walnut Farm, Randolph	P34A	Kansas,U.S.A.	39.5471N	96.8268W	429	From 2010-05-27 to 2012-03-16
Walnut Grove	WGAR	Arkansas,U.S.A.	35.8530N	90.1910W	72	
Walnut Ridge	WR-AR	Arkansas,U.S.A.	36.0583N	91.2219W	122	From 1961-12-05 to 1961-12-16
Walnut Ridge	WR-	Arkansas,U.S.A.	36.0583N	91.2219W	122	From 1961-12-05 to 1961-12-16
Walsenburg, S16	SCR16	Colorado	37.6218N	104.8465W	1989	
Walsh	T28A	Colorado,U.S.A.	37.1204N	102.1136W	1148	From 2008-12-16 to 2010-11-08
Walters Elk Ranch, Riggins	G11A	Idaho,U.S.A.	45.3997N	116.2680W	1343	From 2006-11-08 to 2008-07-14
Waltham Township, Utica	M43A	Illinois,U.S.A.	41.4365N	88.9581W	190	From 2011-10-25
Walton	L59A	New York,U.S.A.	42.1902N	75.0426W	677	From 2013-09-03
Waltonville	R44A	Illinois,U.S.A.	38.2475N	89.0809W	144	From 2011-05-21 to 2013-04-29
Wambrook	WAM	New South Wales,Australia	36.1928S	148.8830E	200	From 1957-01-01
Wamena	WAMI	Irian Jaya,Indonesia	3.8847S	138.7114E	0	
Wamic	G05A	Oregon,U.S.A.	45.2422N	121.3167W	594	From 2005-11-03 to 2008-03-27
Wamic, OR	G05D	Oregon,U.S.A.	45.2422N	121.3167W	592	From 2009-10-22
Wamsutter	L20A	Wyoming,U.S.A.	42.0073N	108.3398W	2028	From 2007-10-26 to 2009-10-16
Wanagama	UGM	Jawa,Indonesia	7.9125S	110.5231E	350	From 1995-08-20
Wanaka	WKZ	South Island,New Zealand	44.8270S	169.0176E	558	From 2004-06-03
Wanaka National Park Headquarters	WNPS	South Island,New Zealand	44.6946S	169.1430E	287	From 2002-07-02
Wanasaba	WLTFM	Indonesia	8.5182S	116.5408E	518	From 2020-12-31
WAND	WAND	Namibia	24.6500S	19.7436E	1400	
Wando	KSWAN	Republic of Korea	34.3890N	126.7023E	34	From 1999-04-07
Wando-Q330s	WAN2	Republic of Korea	34.3959N	126.7019E	83	From 2015-10-01
Wanganui	WAZ	North Island,New Zealand	39.7546S	174.9856E	382	From 2003-07-18
Wanganui	WLFZ	North Island,New Zealand	39.9917S	175.0963E	30	From 1982-10-14 to 1982-10-24
Wanganui Civil Defence Store	WCDS	North Island,New Zealand	39.9336S	175.0480E	9	From 2000-03-21
Wang Home	KHVB	British Columbia,Canada	48.5688N	123.4663W	39	From 2003-02-28
Wangi-wangi, Sulawesi Tenggara	WWCI	Indonesia	5.2724S	123.5251E	26	From 2019-01-01
Wanliss Street	WAN	New Britain,Papua New Guinea	4.1943S	152.1760E	25	From 1967-01-01
Wann	WNN	Nebraska,U.S.A.	41.1897N	96.2661W	387	
Wanoga Butte	VWBM	Oregon,U.S.A.	43.9137N	121.5550W	1736	
Wanrong	EHYH	Taiwan region	23.4938N	121.3451E	168	From 2017-10-06
Wapiti River	WAPA	Alberta,Canada	55.1833N	119.2536W	784	From 2009-10-20
Warakurna	WRKA	Western Australia,Australia	25.0371S	128.2962E	622	From 2009-04-26
Warangal	WGL	Andhra Pradesh,India	17.9850N	79.5300E	280	From 1975-01-01
Wara Utara	WUPCM	Indonesia	3.0065S	120.1930E	3	From 2020-12-31
Warburton	WARB	Western Australia,Australia	26.1838S	126.6430E	460	From 1987-06-28 to 1998-12-31
Warburton	WBN	Western Australia,Australia	26.1400S	126.5780E	457	From 1978-06-27 to 1987-06-28
Wardell	WADM	Missouri,U.S.A.	36.3661N	89.7959W	78	
Warden	WRD	Washington,U.S.A.	46.8033N	119.1448W	375	From 1970-07-01
Ward Fire Station	WDFS	South Island,New Zealand	41.8274S	174.1384E	34	From 2002-02-22
Wardlaw	BWH	Scotland,United Kingdom	55.1758N	3.6549W	269	
Ward Pound Ridge	WPR	New York,U.S.A.	41.2547N	73.5857W	152	From 1971-03-01 to 1981-12-31
Wards Creek	WCNB	New Brunswick,Canada	45.6459N	65.5097W	128	From 2013-09-06
Warideh	WRDH	Syria	35.5079N	36.4120E	730	From 1995-04-01
Waris	WAA	Papua New Guinea	4.1167S	145.1000E	48	
Warland Creek	WCM	Montana,U.S.A.	48.4583N	115.1030W	1704	From 1971-02-01 to 1974-07-11
Warmenhuizen	WMH1	Netherlands	52.7096N	4.7498E	-51	From 1995-04-21
Warmenhuizen	WMH4	Netherlands	52.7096N	4.7498E	-201	From 1995-04-21
Warmenhuizen	WMH3	Netherlands	52.7096N	4.7498E	-151	From 1995-04-21
Warmenhuizen	WMH	Netherlands	52.7108N	4.7498E	-1	
Warmenhuizen	WMH2	Netherlands	52.7096N	4.7498E	-101	From 1995-04-21
Warmifontaine	WRM	Belgium	49.8333N	5.3806E	242	
Warminster	SWK	England,United Kingdom	51.1483N	2.2471W	266	
Warm Springs	WZ-NV	Nevada,U.S.A.	38.0628N	116.4397W	2073	
Warm Springs	R10A	Nevada,U.S.A.	38.2886N	116.3021W	1600	From 2006-06-09 to 2008-09-11
Warm Springs	WSN	Nevada,U.S.A.	38.3833N	116.1920W	1768	From 1965-01-01 to 1970-12-31
Warm Springs	WSP	California,U.S.A.	34.5962N	118.5790W	1219	
Warm Springs Repeater	WSR	Nevada,U.S.A.	38.1914N	116.3990W	1890	From 1965-01-01 to 1970-12-31
Waropen Bawah, Papua Barat	WWPI	Indonesia	2.3130S	136.3773E	16	From 2019-01-01
Warragamba	WGBM	New South Wales,Australia	33.8661S	150.5751E	254	
Warragamba Dam	WDBM	New South Wales,Australia	33.8850S	150.5940E	30	
Warramunga Ar.	WB1	Northern Territory,Australia	19.9595S	134.3460E	422	
Warramunga Array	WRB	Northern Territory,Australia	19.9594S	134.3464E	393	From 1965-10-01
Warramunga Array	WCB	Northern Territory,Australia	19.9347S	134.3570E	366	From 1965-10-01
Warramunga Array Beam Reference Point	WRA	Northern Territory,Australia	19.9426S	134.3390E	419	From 1965-10-01
Warramunga Array, NT	WB10	Northern Territory	19.7671S	134.3928E	362	From 2013-08-26
Warramunga Array Site B0	WB0	Northern Territory,Australia	19.7671S	134.3930E	392	
Warramunga Array Site B2	WB2	Northern Territory,Australia	19.9428S	134.3511E	388	From 1965-10-01
Warramunga Array Site B3	WB3	Northern Territory,Australia	19.9230S	134.3555E	384	From 1965-10-01
Warramunga Array Site B4	WB4	Northern Territory,Australia	19.9036S	134.3589E	380	From 1965-10-01
Warramunga Array Site B5	WB5	Northern Territory,Australia	19.8782S	134.3662E	370	From 1965-10-01
Warramunga Array Site B6	WB6	Northern Territory,Australia	19.8550S	134.3670E	396	From 1965-10-01
Warramunga Array Site B7	WB7	Northern Territory,Australia	19.8408S	134.3794E	353	From 1965-10-01
Warramunga Array Site B8	WB8	Northern Territory,Australia	19.8139S	134.3808E	356	From 1965-10-01
Warramunga Array Site B9	WB9	Northern Territory,Australia	19.7914S	134.3840E	391	From 1965-10-01
Warramunga Array Site C1	WC1	Northern Territory,Australia	19.9243S	134.3391E	392	
Warramunga Array Site C2	WC2	Northern Territory,Australia	19.9254S	134.3654E	375	
Warramunga Array Site C3	WC3	Northern Territory,Australia	19.9587S	134.3719E	382	
Warramunga Array Site C4	WC4	Northern Territory,Australia	19.9619S	134.3397E	387	
Warramunga Array Site R0	WR0	Northern Territory,Australia	19.9597S	134.5405E	353	
Warramunga Array Site R1	WR1	Northern Territory,Australia	19.9426S	134.3395E	388	
Warramunga Array Site R2	WR2	Northern Territory,Australia	19.9469S	134.3624E	385	From 1965-10-01
Warramunga Array Site R3	WR3	Northern Territory,Australia	19.9485S	134.3869E	376	From 1965-10-01
Warramunga Array Site R4	WR4	Northern Territory,Australia	19.9503S	134.4066E	374	From 1965-10-01
Warramunga Array Site R5	WR5	Northern Territory,Australia	19.9522S	134.4304E	364	From 1965-10-01
Warramunga Array Site R6	WR6	Northern Territory,Australia	19.9543S	134.4540E	382	From 1965-10-01
Warramunga Array Site R7	WR7	Northern Territory,Australia	19.9552S	134.4760E	382	From 1965-10-01
Warramunga Array Site R8	WR8	Northern Territory,Australia	19.9557S	134.5000E	400	From 1965-10-01
Warramunga Array Site R9	WR9	Northern Territory,Australia	19.9577S	134.5150E	383	From 1965-10-01
WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	WRAI	Northern Territory,Australia	19.9348S	134.3295E	386	From 2000-05-12
Warramunga Infrasound Array Beam Ref. Pt.	WRAI	Northern Territory,Australia	19.9402S	134.2260E	401	
Warren Harvey, Newton	Q45A	Illinois,U.S.A.	38.8948N	88.1565W	162	From 2011-11-19
Warroad	A33A	Minnesota,U.S.A.	48.9371N	95.3904W	329	From 2010-09-28 to 2012-09-07
Warsak Dam	WRS	Pakistan	34.1500N	71.4167E	343	
Warsaw	WAR	Poland	52.2417N	21.0236E	110	From 1939-01-01 to 2008-10-10
Warsaw-Wawer	R9F13	Poland	52.2206N	21.1413E	104	From 2018-12-10
Wartburg	WT-	Tennessee,U.S.A.	36.1097N	84.7578W	427	From 1963-04-12 to 1963-07-31
Wartburg	WT-TN	Tennessee,U.S.A.	36.1097N	84.7578W	427	From 1963-04-12 to 1963-07-31
Wartmannstetten	A009A	Austria	47.6775N	16.0904E	469	From 2015-02-10
Warungkiara, Jawa Barat	WSJM	Indonesia	6.9747S	106.7247E	310	From 2019-01-01
Warwick	F60A	Quebec,Canada	45.9688N	71.9514W	229	From 2013-08-07
Warwick Parish	PSBMU	Bermuda	32.2780N	64.7930W	35	
Waseca	I37B	Minnesota,U.S.A.	44.0149N	93.4003W	354	From 2014-03-15
Wasel	WASL	Saudi Arabia	29.1880N	34.9060E		From 1993-07-01 to 1999-08-25
Wasen, Napf, BE	A060A	Switzerland	47.0305N	7.8904E	1112	From 2015-08-14
Washetta, Montalba	237A	Texas,U.S.A.	32.0015N	95.8084W	126	From 2010-02-20 to 2012-01-20
Washington	WAS	District of Columbia,U.S.A.	38.8925N	77.0331W	0	From 1909-01-01 to 1969-12-31
Washington City	WCO	Utah,U.S.A.	37.1387N	113.5094W	878	From 2008-05-30
Washington Fields	REUT	Utah,U.S.A.	37.0976N	113.5193W	791	From 2008-06-27
Washington Hill	WSH	Nevada,U.S.A.	39.4538N	119.6447W	1762	
Washington--Naval Research Laboratory	NRL	District of Columbia,U.S.A.	38.8333N	77.0833W		From 1953-01-01 to 1972-12-31
Washington Science Center	WSC	Maryland,U.S.A.	39.0505N	77.1237W	120	From 1965-01-01 to 1972-12-31
Washoe City	WCN	Nevada,U.S.A.	39.3104N	119.7590W	1658	From 1972-08-12 to 2010-11-10
Wasile, Maluku Utara	WHMI	Indonesia	1.0825N	128.1320E	41	From 2019-01-01
WASQA	WASQA	Saudi Arabia	20.1274N	40.8384E	100	
Wassenberg	RWB	Nordrhein-Westfalen,Germany	51.1018N	6.1550E	45	From 2003-04-01
Wasserfallboden	A035A	Austria	47.1968N	12.7209E	1652	From 2015-10-15
Wasserreservoir Schachen, Buelach, ZH	NDBU	Switzerland	47.5459N	8.5114E	443	From 2018-12-06
Wasserturm Kaisheim	A361A	Germany	48.7909N	10.8171E	500	From 2015-12-01
Wasserwerk Kaufbeuren	A366A	Germany	47.8333N	10.6234E	794	From 2015-12-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wasserwerk Schwabmuenchen	A365A	Germany	48.1651N	10.7334E	594	From 2015-12-01
Water	H2OWA	Washington,U.S.A.	46.3958N	119.4230W	158	
Waterberg Wilderness,Limpopo Province	WTBG	South Africa	24.2119S	28.8829E	1471	From 2017-04-28
Waterbury	VT1	Vermont,U.S.A.	44.3317N	72.7536W	410	
Waterdown	RD02	Ontario,Canada	43.3154N	79.8768W	104	
Waterloo	SVWL	St Vincent	13.3162N	61.1528W	353	From 2021-01-01
Waterproof	243A	Louisiana,U.S.A.	31.8803N	91.4827W	2	From 2011-02-19 to 2012-11-30
Waterton	WTC	Colorado,U.S.A.	39.5143N	105.1380W	1987	From 1973-01-01 to 1976-11-30
Waterton Lakes	WALA	Alberta,Canada	49.0586N	113.9120W	1400	From 1992-05-15
Water View	S60A	Virginia,U.S.A.	37.7055N	76.6535W	36	From 2013-04-15
Waterville	C07A	Washington,U.S.A.	47.6902N	120.0613W	863	From 2006-09-19 to 2008-05-16
Waterville	WTR	Maine,U.S.A.	44.6483N	69.6556W	79	From 1951-10-01
Waterville	WTV	Washington,U.S.A.	47.6986N	119.9540W	900	
Waterville	WTVE	New York,U.S.A.	42.9460N	75.3272W	426	
Waterville	WVL	Maine,U.S.A.	44.5648N	69.6575W	85	
Waterways	WS-	Alberta,Canada	56.6594N	111.2686W	366	From 1965-10-14 to 1965-11-15
Waterways	WS-AT	Alberta,Canada	56.6594N	111.2686W	366	From 1965-10-14 to 1965-11-15
Watheroo	WAT	Western Australia,Australia	30.3167S	115.8830E		From 1958-01-01 to 1959-12-31
Watkins	G35A	Minnesota,U.S.A.	45.2199N	94.4855W	361	From 2010-09-15 to 2012-07-27
Watom Island	EWT	New Britain,Papua New Guinea	4.1150S	152.0880E	30	
Watseka	WQ-IL	Illinois,U.S.A.	40.8656N	87.5864W	198	
Watson	WA-OK	Oklahoma,U.S.A.	34.4417N	94.4911W	305	From 1962-10-17 to 1962-10-27
Watson	WA-	Oklahoma,U.S.A.	34.4417N	94.4911W	305	From 1962-10-17 to 1962-10-27
Watson Lake	WL-	Yukon Territory,Canada	60.1167N	128.7644W	716	From 1965-10-16 to 1965-11-15
Watson Lake	WALK	Missouri,U.S.A.	36.5394N	89.5423W	87	
Watson Lake	WL-YK	Yukon Territory,Canada	60.1167N	128.7644W	716	From 1965-10-16 to 1965-11-15
Watson Lake, Yukon	WTLY	Yukon Territory,Canada	60.1133N	128.7961W	690	From 2013-07-01
Wattenberg	WTTA	Austria	47.2638N	11.6363E	1764	From 1991-02-09
Wattenberg Ranch, Walden	N22A	Colorado,U.S.A.	40.8023N	106.4544W	2472	From 2007-11-27 to 2010-06-11
Wattoning, WA	WATNG	Western Australia	30.7323S	118.1984E	359	From 2020-06-12
Watts Point	WPB	British Columbia,Canada	49.6570N	123.2100W	273	From 1983-01-20
Watts, South Gate	WTT2	California,U.S.A.	33.9487N	118.2554W	33	
Wau	WAU	Papua New Guinea	7.3456S	146.7165E	1083	From 1996-05-09
Waubonsee CC	WCIL	Illinois,U.S.A.	41.7961N	88.4590W	214	
Wauchula	958A	Florida,U.S.A.	27.5855N	81.7543W	30	From 2012-03-07
Wavell State High School	AUWSH	Queensland,Australia	27.4000S	153.0400E	60	From 2011-06-24
Waverly	WVT	Tennessee,U.S.A.	36.1297N	87.8300W	170	From 2011-01-23
Waverly Hall	152A	Georgia,U.S.A.	32.6686N	84.7188W	214	From 2012-04-03
Waxahatchie	FW16	Texas,U.S.A.	32.4819N	96.8972W	215	From 2016-11-15
Waxell Ridge	WAX	Alaska,U.S.A.	60.4500N	142.8520W	975	From 1975-08-22
Waymart	M59A	Pennsylvania,U.S.A.	41.5413N	75.4321W	471	From 2013-06-12
Waynesburg	WAY	Pennsylvania,U.S.A.	39.9017N	80.1850W	329	From 1956-06-01 to 1964-12-31
Waynoka	NOKA	Oklahoma,U.S.A.	36.6347N	98.9319W	476	From 2016-02-18
Weatherford	FW07	Texas,U.S.A.	32.7025N	97.7861W	310	From 2016-10-19
Weather Observatory	WOB	Hawaii,U.S.A.	19.5385N	155.5830W	3396	
Weaver Farm	KWE	England,United Kingdom	53.0166N	1.8435W	320	From 1988-01-01
Weaverville	WEAV	California	40.7456N	122.9840W	1058	From 2017-12-01
Weber Canyon	WBC	Utah,U.S.A.	41.1397N	111.9008W	1602	
Weber Fire Station	WBFS	North Island,New Zealand	40.4009S	176.3111E	130	From 2002-01-27
Weber Reservoir	WEBR	California	38.7177N	120.6919W	745	
Webster	M39A	Iowa,U.S.A.	41.4786N	92.1725W	264	From 2011-06-16 to 2013-05-12
Webster	G32A	South Dakota,U.S.A.	45.2555N	97.4994W	566	From 2010-09-01 to 2012-07-28
Weda Barat, Maluku Utara	WBMI	Indonesia	0.3393N	127.8708E	25	From 2019-01-01
Wedel Dairy, Riceville	J38A	Iowa,U.S.A.	43.3190N	92.4755W	371	From 2010-10-11 to 2012-09-14
Wegel	WGLY	New York,U.S.A.	41.3589N	73.8994W	152	
Weija	WEGH	Ghana	5.5933N	0.3269W	180	From 1987-01-01
Weija Dam	WEIJ	Ghana	5.5885N	0.3333W	203	
Weil am Rhein	WEIL	Baden-Wurttemberg,Germany	47.5932N	7.6009E	249	From 2000-11-16
Weingarten	WEIN	Switzerland	47.5287N	8.9859E	555	From 2003-08-29
Weissweiler	BA03	Nordrhein-Westfalen,Germany	50.8379N	6.3866E	120	From 2006-10-01
Welcome	WEO	Ontario,Canada	44.0187N	78.3743W	149	From 1982-04-30
Welkom	WKM	Orange Free State,South Africa	28.0050S	26.7617E	1340	
Weller Preserve, CA USA	WELL	California	38.4385N	120.7241W	583	From 2019-02-01
Wellesley Island	WLI	New York,U.S.A.	44.3090N	76.0098W	90	From 1974-08-01 to 1976-08-16
Wellington	WEL	North Island,New Zealand	41.2840S	174.7682E	138	From 1884-02-01
Wellington Central Fire Station	WCFS	North Island,New Zealand	41.2931S	174.7848E	8	From 2016-12-02 to 2018-03-15
Wellington Emergency Management Office	WEMS	North Island,New Zealand	41.2743S	174.7793E	31	From 1999-05-13
Wellington Featherston Street	WFES	North Island,New Zealand	41.2837S	174.7764E	11	From 2016-12-13 to 2018-02-07
Wellington Frank Kitts Park	FKPS	North Island,New Zealand	41.2880S	174.7788E	5	From 2002-03-05
Wellington High School	WNHS	North Island	41.3008S	174.7755E	43	From 2001-10-31
Wellington International Airport	WNAS	North Island,New Zealand	41.3264S	174.8090E	14	From 2001-11-28
Wellington Karori Normal School	WNKS	North Island,New Zealand	41.2848S	174.7421E	181	From 2001-10-19
Wellington Miramar School	MISS	North Island,New Zealand	41.3149S	174.8184E	8	From 1999-07-22
Wellington Pottery Association	POTA	North Island,New Zealand	41.2722S	174.7746E	43	From 1999-08-20
Wellington Tennyson Street	WTYS	North Island,New Zealand	41.2954S	174.7813E	12	From 2016-12-07
Wellington Te Papa Museum	TEPS	North Island,New Zealand	41.2906S	174.7811E	111	From 2002-03-07
Wellington The Terrace	WTES	North Island,New Zealand	41.2816S	174.7742E	23	From 2016-12-01 to 2018-03-15
Wellington Thorndon Fire Station	TFSS	South Island,New Zealand	41.2754S	174.7831E	9	From 1999-10-25
Wells	M12A	Nevada,U.S.A.	41.4157N	114.9151W	1930	From 2006-05-05 to 2008-08-09
Wellsville	WVUT	Utah,U.S.A.	41.6102N	111.9590W	1828	From 1979-08-01
Welschbruch	WLS	Alsace,France	48.4133N	7.3533E	775	From 1963-01-01
Wemindji, Quebec	WEMQ	Quebec,Canada	53.0535N	77.9737W	172	From 2005-06-23
Wenas	WNS	Washington,U.S.A.	46.7103N	120.5750W	1000	
Wenatchee	WNW	Washington,U.S.A.	47.5295N	120.1940W	1061	From 1975-06-01
Wenatchee	WEN	Washington,U.S.A.	47.5295N	120.1940W	1061	
Wenatchee Ridge	WRW	Washington,U.S.A.	47.8572N	120.8811W	1189	
Wendo Genet	WNDE	Ethiopia	7.0979N	38.6349E	1841	
Wendover, West Wendover	N13A	Nevada,U.S.A.	40.8556N	114.2045W	1385	From 2006-05-19 to 2008-08-20
Wente Vineyards, Livermore	WENL	California,U.S.A.	37.6221N	121.7570W	138	From 1998-07-15
Wenya	WENY	Malawi	10.1579S	33.5574E	1516	From 2014-07-23 to 2015-11-04
Weppner Ranch, Escalante	S16A	Utah,U.S.A.	37.7222N	111.5961W	1785	From 2007-08-01 to 2009-03-12
Wera, Bima, Nusa Tenggara Barat, Indonesia	WBNI	Indonesia	8.3044S	118.9137E	53	From 2021-12-31
Werda	WERD	Sachsen,Germany	50.4476N	12.3064E	589	From 2001-06-13
Werinama	WSTMM	Indonesia	3.4530S	129.9950E	77	From 2020-12-31
Werner Place, Edgewood	W23A	New Mexico,U.S.A.	35.1605N	106.1503W	2020	From 2008-04-20 to 2010-03-14
Wernitzgruen	WERN	Sachsen,Germany	50.2874N	12.3761E	672	From 2000-08-02
Werombi	WER	New South Wales,Australia	33.9503S	150.5803E	226	From 1959-01-01
Wesley	DWS	Dominica	15.5685N	61.3113W	61	
Wesleyville	WLVO	Ontario,Canada	43.9236N	78.3970W	70	From 1990-11-07
Wesser Bold	WSSR	North Carolina,U.S.A.	35.2778N	83.5780W	1390	From 1985-11-01 to 2008-02-13
West Acre	WACR	England,United Kingdom	52.7247N	0.6267E	66	From 2011-07-19
West Alisa	AWAL	Egypt	23.3792N	32.5825E		
West Arenal	WARN	Costa Rica	10.4620N	84.7208W	580	
West Ashley	WSS	South Carolina,U.S.A.	32.8468N	80.2717W	9	From 1983-01-01
WESTB	WESTB	Nevada	37.1052N	116.2744W	1669	From 2018-03-12
West Bay, Grand Cayman	WBCY	Cayman Islands	19.3767N	81.3975W	1	From 2011-01-01
Westboro	WGMA	Massachusetts,U.S.A.	42.2890N	71.5850W	130	
West Boundary	YPWB	Montana,U.S.A.	44.6058N	111.1008W	2310	
West Bromwich	WBE	England,United Kingdom	52.5333N	2.0000W	156	
Westbrook Farm, Meadville	344A	Mississippi,U.S.A.	31.4527N	90.7318W	78	From 2011-03-16 to 2012-12-14
West Butte Ranch, Sweetgrass	A16A	Montana,U.S.A.	48.9482N	111.5968W	1394	From 2007-09-16 to 2009-08-11
Westby	A24A	North Dakota,U.S.A.	48.9239N	104.0018W	677	From 2008-09-12 to 2010-07-14
Westby DABS, Erhard	E33A	Minnesota,U.S.A.	46.5035N	96.0054W	428	From 2010-08-20 to 2012-06-24
West Carthage	WCNY	New York,U.S.A.	43.9810N	75.6549W	245	From 2007-06-27
Westchester CC	WCCN	New York,U.S.A.	41.0684N	73.7914W	144	
Westchester Community College	WCC	New York,U.S.A.	41.0585N	73.7918W	100	From 1987-01-01 to 2006-05-18
West Chester University of Pennsylvania, USA	WUPA	Pennsylvania,U.S.A.	39.9324N	75.6060W	86	From 2014-07-01
Westcliffe, S07	SCR07	Colorado	38.0599N	105.3689W	2604	
West corner E0890 Road	OK024	Oklahoma,U.S.A.	35.7251N	97.0579W	302	
Westdahl Beartrack Creek	WEBT	Aleutian Islands, Alaska,U.S.A.	54.5911N	164.7530W	467	From 2009-01-01
Westdahl Cape Sarichef	WECS	Aleutian Islands, Alaska,U.S.A.	54.5309N	164.7776W	642	From 2009-01-01
West Dahl East	WESE	Alaska,U.S.A.	54.4726N	164.5863W	930	
West Dahl North	WESN	Alaska,U.S.A.	54.5685N	164.5833W	549	
Westdahl Peak	WESP	Aleutian Islands, Alaska,U.S.A.	54.4930N	164.7213W	937	From 2009-01-01
West Dahl South	WESS	Alaska,U.S.A.	54.4794N	164.7226W	908	
West Decatur	N56A	Pennsylvania,U.S.A.	40.9171N	78.2953W	561	From 2013-05-21
West end E0370 Rd, Waynoka	OK038	Oklahoma,U.S.A.	36.4782N	98.7422W	443	From 2016-02-17
Westerfield	WSFC	South Island,New Zealand	43.8373S	171.6110E	162	From 2005-02-25
Western Deep Levels Mine	WDLM	South Africa	26.4238S	27.4222E	1680	From 2009-12-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Western Traverse Mountains	WTU	Utah,U.S.A.	40.4548N	111.9530W	1579	From 1992-06-09
Westfeld	WESF	Thuringen,Germany	50.5375N	11.2123E	744	From 2012-07-12
Westford	WFM	Massachusetts,U.S.A.	42.6106N	71.4906W	88	From 1976-05-01
West Haight Mtn., Tennant, CA USA	WHMT	California	41.5716N	122.0202W	1858	From 2020-08-01
Westhalten	WALT	Alsace	47.9657N	7.2765E	353	From 2016-10-06
West Hills College	WHCL	California	36.2890N	119.8290W	64	From 2023-06-09
West Island	COCO	Cocos Islands,Australia	12.1901S	96.8349E	-69	
West Kalabsha	AWKL	Egypt	23.4252N	32.4470E		
West Kanaga	AK1	Alaska,U.S.A.	51.6650N	177.6420W	61	From 1976-10-01 to 1992-02-01
West Kanaga	AT1	Alaska,U.S.A.	51.6650N	177.6420W	61	From 1975-01-01 to 1976-10-31
Westland Maintenance Station	PWMM	California,U.S.A.	36.4328N	120.2110W	72	
West Mesa	WMA	New Mexico,U.S.A.	35.0722N	106.8560W	1804	
West Middle School	WMS	South Carolina,U.S.A.	33.4258N	80.7408W	34	
West Mington	ST13A	Xizang Zizhiqu,China	31.7262N	89.7031E	4596	From 1998-08-06 to 1999-05-09
Westminster Rd and Hefner Rd	OK025	Oklahoma,U.S.A.	35.5811N	97.3379W	348	From 2013-12-18 to 2017-03-18
West Monroe	WMNY	New York,U.S.A.	43.3560N	76.0313W	158	
Westmoorings	TWMO	Trinidad and Tobago	10.6700N	61.5600W	0	
Westmoreland	WEST	New York,U.S.A.	43.1635N	75.4800W	167	
Westmorland	WML	California,U.S.A.	33.0152N	115.6225W	-44	
Westmorland, California	WEMD	California	33.0383N	115.5819W	-45	From 2014-06-11
West Mountain	WMUT	Utah,U.S.A.	40.0767N	111.8330W	1981	From 1981-07-01
West Mountain	WMU	Utah,U.S.A.	40.0883N	111.8230W	2053	From 1973-12-01 to 1981-08-31
West Nyswonger Mesa	PV20	Colorado,U.S.A.	38.3415N	108.9672W	1852	
West of Creede, S12	SCR12	Colorado	37.7926N	107.1352W	2793	
West of Eustis	G62A	Maine,U.S.A.	45.2186N	70.5319W	426	From 2013-09-20
West of Imperial	TPB19	Texas	31.3031N	103.0997W	776	From 2019-05-24
West of Nyma	STW1	Xizang Zizhiqu,China	32.0923N	88.3062E	4614	From 1998-08-02 to 1999-06-01
West of Pagosa Springs, S24	SCR24	Colorado	37.2209N	107.2093W	2095	
Weston	WES	Massachusetts,U.S.A.	42.3847N	71.3221W	60	From 1930-12-01
West Palm Beach	060Z	Florida,U.S.A.	26.4062N	80.5560W	9	From 2012-05-13
West Park	WPNY	New York,U.S.A.	41.8030N	73.9707W	76	From 1978-05-22 to 1986-09-30
West Pit	WPH	Hawaii,U.S.A.	19.4117N	155.2920W	1115	From 1962-10-31 to 1999-08-25
Westpoint	W47A	Tennessee,U.S.A.	35.2511N	87.5946W	293	From 2012-01-23
Westport Buller District Council	WBCS	South Island,New Zealand	41.7557S	171.5998E	10	From 2002-04-16
Westport, CT	WSPT	Connecticut,U.S.A.	41.1700N	73.3300W	50	From 2008-06-19
West Portland	WPO	Oregon,U.S.A.	45.5733N	122.7900W	334	From 1986-10-01
Westray	OWE	Orkney Islands,United Kingdom	59.3180N	3.0289W	87	From 1995-09-21
West Rim	WRMHI	Hawaii,U.S.A.	19.4065N	155.3000W	1163	
West Salem	WSIL	Illinois,U.S.A.	38.4981N	88.0750W	15	
West Secondary High School	PSWS	Trinidad and Tobago	10.6614N	61.5206W	0	
Westside ANR, Five Points	U05C	California,U.S.A.	36.3356N	120.1205W	92	From 2004-12-06 to 2007-12-06
Westside REC, California	WSRE	California	36.3390N	120.1214W	83	From 2018-09-01
Westside School	WESC	California,U.S.A.	32.7590N	115.7316W	-8	
West Thumb	WTW	Wyoming,U.S.A.	44.4145N	110.5710W	2365	From 1972-10-01 to 2004-03-05
West Tongariro	WTVZ	North Island,New Zealand	39.1153S	175.5897E	1186	From 2004-03-04
West Twin Lake	ST30	Xizang Zizhiqu,China	33.0291N	88.8545E	4955	From 1998-07-12 to 1999-06-05
West Valley	WVLY	New York,U.S.A.	42.4708N	78.5683W	600	From 1977-11-03 to 2002-12-20
West Valley, New York	WVNY	New York,U.S.A.	42.4062N	78.6042W	490	From 2010-08-05
West Yellowstone	YWY	Montana,U.S.A.	44.6058N	111.0970W	2292	From 1974-10-01 to 2004-03-05
Wether Hill Road	WHZ	South Island,New Zealand	45.8924S	167.9470E	345	From 1993-03-22
Wettswil, ZR	EWZT2	Switzerland	47.3373N	8.4932E	690	From 2009-08-29
Wettzell	WET	Bayern,Germany	49.1440N	12.8782E	613	From 1975-01-01
Wetumka	W36A	Oklahoma,U.S.A.	35.1393N	96.2264W	251	From 2010-04-13 to 2012-02-01
Wetzens (Niawier)	NIW2	Netherlands	53.3548N	6.0429E	-6	From 2009-05-20
Wetzens (Niawier)	NIW1	Netherlands	53.3548N	6.0429E	24	From 2009-05-20
Wetzens (Niawier)	NIW3	Netherlands	53.3548N	6.0429E	-36	From 2009-05-20
Wetzens (Niawier)	NIW4	Netherlands	53.3548N	6.0429E	-66	From 2009-05-20
Wewak	WWW	Papua New Guinea	3.5858S	143.6400E	100	From 1982-09-29 to 1999-08-25
Wewak	WEK	Papua New Guinea	3.4236S	143.6875E	10	From 1968-10-24 to 1969-02-28
Wewak	WEW	Papua New Guinea	3.5544S	143.6260E	10	From 1968-09-11
Wewak	WEWK	Papua New Guinea	3.5846S	143.6444E	120	From 2013-06-28
Wewakk	WWKK	Papua New Guinea	3.6230S	143.6240E	442	From 1992-05-26
Wewaria	WEFM	Indonesia	8.6070S	121.7179E	115	From 2020-12-31
WEWE	WEWE	Namibia	21.2090S	16.8091E	1398	
Whakaora	WHTZ	North Island,New Zealand	38.6660S	175.9575E	822	From 1996-08-17
Whakapapa	WPVZ	North Island,New Zealand	39.2040S	175.5460E	1244	From 2003-12-10
Whakapapataringa	WPRZ	North Island,New Zealand	38.5196S	176.1624E	461	From 2010-03-24
Whakatane	WTZ	North Island,New Zealand	37.9829S	176.9885E	43	From 1971-06-02 to 1990-11-21
Whakatane High School	WKHS	North Island,New Zealand	37.9614S	176.9855E	10	From 2001-12-04
Whakatau	WHH	North Island,New Zealand	38.8827S	176.4952E	921	From 1987-03-02 to 1997-05-25
Whale Back Mountain	WMOR	Oregon,U.S.A.	42.9028N	122.5920W	1860	From 1991-09-01
Whale Island	WHRZ	North Island,New Zealand	37.8557S	176.9748E	375	From 2011-06-27
Whale Pass	U33K	Alaska,U.S.A.	56.1146N	133.1210W	11	From 2016-08-20
Whale Rock Reservoir, CA USA	WROK	California	35.4436N	120.8802W	138	From 2020-03-01
Whangaehu Hut	WHVZ	North Island,New Zealand	39.2825S	175.5886E	2050	From 2009-03-25
Whangarei Boys High School	WBSC	North Island,New Zealand	35.7150S	174.3169E	41	From 2002-06-18
Wharram Farm, Highwood	C17A	Montana,U.S.A.	47.6327N	110.7626W	1080	From 2007-09-01 to 2009-09-06
Whataroa Fire Station	WHFS	South Island,New Zealand	43.2612S	170.3590E	60	From 2014-07-16
Wheatland	L24A	Wyoming,U.S.A.	42.0432N	104.9326W	1479	From 2008-07-13 to 2010-05-11
Wheeler Ranch, Garrison	Q13A	Utah,U.S.A.	38.9551N	114.0202W	1583	From 2007-03-02 to 2008-09-04
Wheeler Ridge	WERC	California,U.S.A.	35.0605N	119.0271W	130	From 2001-10-30 to 2004-07-09
Whigham	453A	Georgia,U.S.A.	30.8541N	84.3197W	82	From 2012-02-08
Whinburgh	AWH	England,United Kingdom	52.6300N	0.9511E	60	From 1980-05-01
Whinny Nab	LWH	England,United Kingdom	54.3335N	0.6714W	265	From 1991-01-01
Whipple	P53A	Ohio,U.S.A.	39.4868N	81.3896W	270	From 2012-08-27
Whipple Mountains 2	WH2	California,U.S.A.	34.3145N	114.4092W	1245	From 1974-10-01
Whiskey Butte	WBI	Idaho,U.S.A.	46.5826N	115.9790W	1341	From 1971-10-01 to 1976-01-14
Whiskeytown Dam	WDC	California,U.S.A.	40.5799N	122.5411W	268	From 1973-01-01
Whistler	WHB	British Columbia,Canada	50.1280N	122.9550W	695	
Whistler	WSLR	British Columbia,Canada	50.1265N	122.9212W	906	
Whitaker Ranch, Olney	Z33A	Texas,U.S.A.	33.2865N	98.7648W	362	From 2009-11-06 to 2011-09-11
White Bluff	WBL	Washington,U.S.A.	46.5983N	119.4590W		
White Castle	544A	Louisiana,U.S.A.	30.1100N	91.1612W	-2	From 2011-02-23 to 2013-02-02
Whitecliffs	WCSS	South Island,New Zealand	43.4577S	171.8635E	311	From 2011-12-14
Whiteface	WNH	New Hampshire,U.S.A.	43.8683N	71.3997W	220	From 1976-01-01
Whitefish	B13A	Montana,U.S.A.	48.3739N	114.4676W	933	From 2006-09-25 to 2009-08-07
White Fish Lake	WHFN	Northwest Territories,Canada	62.5592N	107.0865W	365	From 2008-07-10
Whitehall	WLZ	North Island,New Zealand	37.8394S	175.5880E	190	From 1989-10-30 to 1998-12-08
Whitehorse	WHY	Yukon Territory,Canada	60.6597N	134.8806W	1292	From 1993-08-27
Whitehorse	WH-	Yukon Territory,Canada	60.7342N	135.1492W	762	From 1965-10-21 to 1965-11-15
Whitehorse	WH2*	Yukon Territory,Canada	60.6947N	134.9672W	853	From 1966-11-24
Whitehorse	WH-YK	Yukon Territory,Canada	60.7342N	135.1492W	762	From 1965-10-21 to 1965-11-15
Whitehorse	WH2YK	Yukon Territory,Canada	60.6947N	134.9672W	853	From 1966-11-24
Whitehorse	WHC	Yukon Territory,Canada	60.7367N	135.0980W	734	From 1971-09-01 to 1993-08-24
White Island	WIZ	North Island,New Zealand	37.5265S	177.1894E	40	From 1976-12-12
White Island Summit, North Island, New Zealand	WSRZ	North Island,New Zealand	37.5181S	177.1778E	290	From 2013-04-08
White-Moore Ranch, Lipan	134A	Texas,U.S.A.	32.5729N	98.0795W	297	From 2009-11-16 to 2011-09-08
White Mountain	L19K	Alaska,U.S.A.	62.1816N	154.8543W	650	From 2015-06-20
White Mountain Lookout Tower, Alberta	WTMTA	Alberta,Canada	55.6942N	119.2398W	1029	From 2014-07-30
White Mtn Res Sta-Crooked Creek, Bishop	S08C	California,U.S.A.	37.4993N	118.1711W	3087	From 2005-08-02 to 2007-10-03
White Oak	X56A	South Carolina,U.S.A.	34.4923N	81.0319W	112	From 2013-02-04
White Oak Lake	WLAR	Arkansas,U.S.A.	33.6875N	93.1120W	77	
White Oak Mountain	WMTN	Tennessee,U.S.A.	35.2480N	84.9732W	378	From 1985-07-24
White Pass	WPW	Washington,U.S.A.	46.6982N	121.5470W	1250	
White Pine	WPM	Michigan,U.S.A.	46.7515N	89.5549W	193	From 1973-01-01
White River	WTRB	British Columbia,Canada	50.1298N	126.0353W	353	From 2005-04-21
White River	YUK2	Yukon Territory,Canada	61.7868N	140.8426W	1229	From 2010-08-28
White River City	O20A	Colorado,U.S.A.	40.1348N	108.2416W	1915	From 2007-11-12
White River Glacier	WRG	Alaska,U.S.A.	60.0378N	142.0320W	550	From 1974-09-10
White Rock	WKB	British Columbia,Canada	49.0437N	122.8180W	110	
White Salmon	F05D	Washington,U.S.A.	45.8852N	121.4597W	472	From 2010-08-13
White Salmon	F05A	Washington,U.S.A.	45.8839N	121.4588W	454	From 2005-11-02 to 2008-01-26
Whitesboro	X38A	Oklahoma,U.S.A.	34.6692N	94.8288W	234	From 2010-06-09 to 2012-02-06
Whites Canyon	WTCR	Nevada,U.S.A.	39.3890N	119.8392W	1890	
Whitestone	H29M	Yukon Territories,Canada	66.2191N	138.3689W	480	From 2017-08-16
White Tail Canyon, San Simon	219A	Arizona,U.S.A.	31.9989N	109.2592W	1581	From 2007-03-10 to 2009-01-19
Whitewater	WWR	California,U.S.A.	33.9918N	116.6560W	702	From 1975-01-01
Whiting	H66A	Maine,U.S.A.	44.7859N	67.3115W	55	From 2013-09-25
Whiting Field	WFF	Florida,U.S.A.	30.7083N	87.0167W		From 1949-01-01 to 1956-12-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Whitney	WHI	Hawaii,U.S.A.	19.4317N	155.2620W	1210	From 1961-01-01 to 1963-02-01
Whitsett	EF69	Texas	28.6338N	98.2802W	59	From 2018-12-18
Whyalla	WHYH	South Australia,Australia	33.0330S	137.5744E	43	From 2009-01-01
wicheon	WICA	Republic of Korea	35.7312N	127.8016E	510	From 2019-03-18
Wichita Mountains	WMOK	Oklahoma,U.S.A.	34.7379N	98.7810W	486	From 1992-09-30
Wichita Mountains Array	WMO	Oklahoma,U.S.A.	34.7182N	98.5891W	505	
Wickenburg	Y14A	Arizona,U.S.A.	33.9383N	113.0048W	730	From 2006-03-14 to 2010-05-28
Wido	WID	Republic of Korea	35.6196N	126.3057E	50	From 2011-06-22
Wied Dalam	WDD	Malta	35.8373N	14.5242E	44	From 1995-07-06
Wiedeman Farm, Cecilia	S48A	Kansas,U.S.A.	37.6574N	86.0569W	238	From 2011-12-08
Wiesbaden	GWBE	Hessen,Germany	50.1076N	8.1814E	271	From 2001-11-22
Wiest Lake	WLK	California,U.S.A.	33.0513N	115.4910W	-52	From 1973-04-16
Wiggins	O25A	Colorado,U.S.A.	40.1129N	104.1201W	1444	From 2008-07-03 to 2010-05-16
Wijnaldum	WYN1	Netherlands	53.1995N	5.4577E	-30	From 2010-03-04
Wijnaldum	WYN4	Netherlands	53.1995N	5.4577E	-120	From 2010-03-04
Wijnaldum	WYN2	Netherlands	53.1995N	5.4577E	-60	From 2010-03-04
Wijnaldum	WYN3	Netherlands	53.1995N	5.4577E	-90	From 2010-03-04
Wila	WILA	Switzerland	47.4147N	8.9075E	908	From 2000-01-12
Wilberts Farm, Edgard	545B	Louisiana,U.S.A.	30.0441N	90.4894W	8	From 2014-01-21
Wilburton Instructional Services Center	WISC	Washington,U.S.A.	47.6089N	122.1744W	10	
Wildcat Mountain	WCT	Nevada,U.S.A.	36.7928N	116.6257W	977	From 1981-04-08
Wildenmoos	RWMO	Bayern,Germany	47.7440N	12.7300E	763	From 2001-04-09
Wildhorse	WLDR	Nevada,U.S.A.	38.8235N	118.5747W	1798	
Wild Horse	WHU	Utah,U.S.A.	39.3806N	112.1700W	1993	From 1974-10-01 to 1981-10-31
Wild Horse Canyon	WLD	Utah,U.S.A.	38.4603N	112.8640W	1804	
Wildhorse Creek, Mackay	I13A	Idaho,U.S.A.	43.9146N	114.1169W	2104	From 2007-01-10 to 2009-06-03
Wild Horse Parks	WHM	Montana,U.S.A.	46.7621N	113.1810W	1792	From 1974-09-06 to 1976-10-04
Wild Horse Valley	WVOR	Oregon,U.S.A.	42.4339N	118.6370W	1344	From 1994-06-01
Wildlife	WLJ	Utah,U.S.A.	40.6133N	111.3447W	2075	From 1992-11-04
Wil, Freihalteflche Egissen, ZH	QEG02	Switzerland	47.6215N	8.5167E	506	From 2016-10-13
WILFRIDO LOOR	WILF	Ecuador	0.2888S	79.5835W	202	From 2016-05-13
Wil, Kantonsschule, SG	SWIK	Switzerland	47.4596N	9.0345E	563	From 2015-11-01
Wilkes	WIL	Wilkes Land	66.2592S	110.5270E	10	From 1957-01-01 to 1966-12-23
Wilkes Camp	WIH	Hawaii,U.S.A.	19.4692N	155.5840W	4037	
Wilkinson Ranch, McDermitt	L09A	Nevada,U.S.A.	42.0192N	117.6667W	1430	From 2006-04-25 to 2008-04-02
Willalooka	WKA	South Australia,Australia	36.4170S	140.3210E	40	From 1979-03-01
Willamette Meridian	K02D	Oregon,U.S.A.	42.6955N	123.6654W	989	From 2010-08-05
Willards	R61A	Maryland,U.S.A.	38.3303N	75.3390W	76	From 2013-05-27
Williams	W15A	Arizona,U.S.A.	35.1787N	112.2666W	2034	From 2006-03-11 to 2008-11-08
Williams	WM-	Arizona,U.S.A.	35.4178N	112.2150W	1920	From 1961-12-12 to 1962-05-03
Williams	WM-AZ	Arizona,U.S.A.	35.4178N	112.2150W	1920	From 1961-12-12 to 1962-05-03
Williams	WMZ	Arizona,U.S.A.	35.1581N	112.3200W	2018	From 1986-01-31
Williamsburg	WBO	Ontario,Canada	45.0003N	75.2750W	85	From 1980-12-09
Williams Family Ranch, Las Cruces	222A	New Mexico,U.S.A.	32.1046N	107.1013W	1324	From 2008-02-14 to 2010-01-17
Williams Farm, Concordia	P33A	Kansas,U.S.A.	39.4363N	97.6946W	488	From 2009-09-20 to 2011-08-23
Williams Fork Res., N02	NCR02	Colorado	40.0951N	106.2062W	2402	
Williams Lake	WK-	British Columbia,Canada	52.1786N	121.9817W	975	From 1962-10-17 to 1962-10-27
Williams Lake	WK-BC	British Columbia,Canada	52.1786N	121.9817W	975	From 1962-10-17 to 1962-10-27
Williamson	Z52A	Georgia,U.S.A.	33.1893N	84.4176W	252	From 2012-04-11
Williamson	S53A	West Virginia,U.S.A.	37.6815N	82.1264W	564	From 2013-01-15
Williamsport	P51A	Ohio,U.S.A.	39.4818N	83.0601W	211	From 2012-07-23
Williams Ranch	WRC	California,U.S.A.	35.2983N	118.6120W	430	From 1952-01-01 to 1953-12-31
Williamstown	WLL	Massachusetts,U.S.A.	42.7142N	73.2111W	220	
Williamstown	K61A	Massachusetts,U.S.A.	42.6695N	73.2676W	391	From 2013-09-26
Williamstown	J57A	New York,U.S.A.	43.4099N	75.9968W	191	From 2013-08-22
Williston	Z56A	South Carolina,U.S.A.	33.3253N	81.3687W	81	From 2013-02-20
Williston, Northern Cape	WLTON	South Africa	31.3659S	20.3747E	1059	From 2021-07-03
Willow	M22K	Alaska,U.S.A.	61.7531N	150.1205W	57	From 2015-05-05
Willow Creek	WICI	Idaho,U.S.A.	44.1750N	113.8870W	2088	
Willow Creek	WCU	Utah,U.S.A.	38.9647N	112.0907W	2673	From 1978-02-01
Willow Creek Ranch, Ely	Q12A	Nevada,U.S.A.	39.0400N	114.8299W	1625	From 2006-05-26 to 2008-09-04
Willow Grove Farm, Nelson	Q39A	Missouri,U.S.A.	39.0455N	92.9759W	225	From 2010-12-01 to 2012-09-28
Willow Gulch Bison Ranch, Deer Trail	P25A	Colorado,U.S.A.	39.5125N	104.1680W	1753	From 2008-06-10 to 2010-05-06
Willow Mountain	WLM	Alaska,U.S.A.	61.7736N	145.1980W	988	From 1972-02-24 to 1972-07-22
Willow Spring Farm, Andover	S34A	Kansas,U.S.A.	37.7009N	97.1111W	373	From 2010-03-17 to 2012-03-04
Wills Point	WP-TX	Texas,U.S.A.	32.6069N	95.8861W	161	
Willston	656A	Florida,U.S.A.	29.3689N	82.5348W	28	From 2012-02-16
Willung South	WILL	Victoria,Australia	38.3393S	146.7367E	425	
Willy Bob	ANWB	Barbuda,Antigua and Barbuda	17.6685N	61.7856W	39	
Wilmington	WNC	North Carolina,U.S.A.	34.0581N	78.2461W	20	From 1976-05-03
Wilmington	WILM	South Australia	32.6692S	138.1567E	294	From 2021-10-07
Wilmington	WNY	New York,U.S.A.	44.3910N	73.8595W	598	From 1971-10-01
Wilpena Pound	FR27	South Australia,Australia	31.5230S	138.6230E	534	From 2003-09-17
Wilshire Harrah	OK002	Oklahoma,U.S.A.	35.5493N	97.1966W	354	
Wilson	WLO	Oklahoma,U.S.A.	34.0648N	97.3697W	284	From 1977-04-25
Wilson Butte	WBW	Washington,U.S.A.	48.0178N	119.1370W	826	From 1975-06-01
Wilson Creek	WCK	Kentucky,U.S.A.	36.9340N	88.8740W	137	From 1974-07-19
Wilson Peak	WPI	Idaho,U.S.A.	43.2889N	116.7500W		
Wilton Park	WTPK	New South Wales	34.2220S	150.6390E	203	From 2016-05-17
Wilwerwiltz	WILW	Luxembourg	49.9923N	6.0047E	360	From 2011-06-09
Wimauma	957A	Florida,U.S.A.	27.6702N	82.2357W	35	From 2012-02-18
WI Miller and Sons, Farmdale	M53A	Pennsylvania,U.S.A.	41.4393N	80.6750W	334	From 2013-01-14
Wimm, Aham, Bavaria	A148B	Germany	48.5086N	12.4767E	485	From 2016-07-28
Wimmelburg	WIMM	Sachsen-Anhalt,Germany	51.5210N	11.5050E	80	From 2008-07-16
Wimmis	WIMIS	Switzerland	46.6649N	7.6242E	770	From 2000-05-24
Winchester	P42A	Illinois,U.S.A.	39.5853N	90.3443W	197	From 2011-06-19 to 2013-04-14
Windham	WND	New York,U.S.A.	42.3373N	74.1525W	602	From 1976-10-08
Windhoek	WIN	Namibia	22.5667S	17.1000E	1728	From 1959-01-01
WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	WBIA	Victoria Land	77.7315S	167.5874E	42	From 2001-12-02
Windom	WD-MN	Minnesota,U.S.A.	44.1161N	95.1550W	381	
Windom	WD-	Minnesota,U.S.A.	44.1161N	95.1550W	381	
Window Rock	V19A	Arizona,U.S.A.	35.7147N	109.0456W	2082	From 2007-05-10 to 2009-02-21
Windsor	WNR	Ontario,Canada	42.2583N	83.1056W	-122	From 1978-03-08 to 1979-04-30
Windswept, Luxemburg	H43A	Wisconsin,U.S.A.	44.4697N	87.7704W	274	From 2011-10-06 to 2013-11-27
Windwhistle	CCH3	South Island	43.4960S	171.7261E	536	
Windy Craggy	WCBC	British Columbia,Canada	59.6278N	137.7160W	750	From 1988-06-10 to 1990-08-06
Windy Craggy	P29M	British Columbia,Canada	59.6304N	137.7381W	679	From 2016-07-15
Windy Hill	MBWH	Montserrat	16.7422N	62.1908W	407	
Windy Hill, Pittsboro	V58A	North Carolina,U.S.A.	35.7940N	79.1150W	127	From 2013-04-22
Windy Ridge, Mt. St. Helens	B202	Washington,U.S.A.	46.2447N	122.1367W	981	
Winespring Bald	WSNC	North Carolina,U.S.A.	35.1725N	83.5806W	1640	
Winneba	WIGH	Ghana	5.3636N	0.6189W	64	From 1987-01-01
Winnemucca	WMN	Nevada,U.S.A.	40.9800N	117.9200W	1524	From 1974-03-01 to 1975-07-31
Winnemucca	WI-	Nevada,U.S.A.	41.3506N	117.4583W	1524	From 1961-12-10 to 1964-03-03
Winnemucca	WI-NV	Nevada,U.S.A.	41.3506N	117.4583W	1524	From 1961-12-10 to 1964-03-03
Winnemucca Valley	WVA	Nevada,U.S.A.	39.9444N	119.8250W	1670	From 1998-05-15
Winner	WN-SD	South Dakota,U.S.A.	43.2522N	100.1961W	792	From 1961-12-01 to 1966-10-31
Winner	WN-	South Dakota,U.S.A.	43.2522N	100.1961W	792	From 1961-12-01 to 1966-10-31
Wino	WINO	Tanzania,United Republic of Tanzania	9.7576S	35.3001E	1486	From 2014-07-13 to 2015-11-04
Winona	Z45A	Mississippi,U.S.A.	33.3705N	89.6913W	113	From 2011-04-19 to 2013-02-04
Winslow	WO-AZ	Arizona,U.S.A.	34.8814N	110.6208W	1585	From 1964-04-01 to 1965-10-04
Winslow	W17A	Arizona,U.S.A.	35.0789N	110.7127W	1461	From 2007-04-28 to 2009-02-04
Winslow	WO-	Arizona,U.S.A.	34.8814N	110.6208W	1585	From 1964-04-01 to 1965-10-04
Winston	WINS	England	54.5520N	1.8320W	156	From 2023-12-18
Winter Ranch, Mooreland	U32A	Oklahoma,U.S.A.	36.3795N	99.0014W	525	From 2009-10-24 to 2012-02-27
Winters	Q03C	California,U.S.A.	38.6333N	122.0145W	108	From 2005-06-28 to 2007-12-04
Wintersburg	Z14A	Arizona,U.S.A.	33.3627N	112.9458W	297	From 2006-03-16 to 2010-05-28
Winterswijk	WTS	Netherlands	51.9956N	6.8100E	43	From 1976-07-01 to 2005-05-27
Winterswijk	NE40	Netherlands	51.9755N	6.7350E	37	
Winterswijk	WTSB	Netherlands	51.9663N	6.7989E	43	
Winterthur Spital, ZH	SWIS	Switzerland	47.5064N	8.7300E	443	From 2015-02-23
Winthrop	B07A	Washington,U.S.A.	48.4607N	120.1197W	781	From 2006-09-15 to 2008-05-15
Wisdom	F14A	Montana,U.S.A.	45.8122N	113.3699W	1851	From 2006-10-19 to 2009-07-09
Wise	T53A	Virginia,U.S.A.	36.9823N	82.5350W	818	From 2013-01-18
Wishkah	WISH	Washington,U.S.A.	47.1172N	123.7699W	45	
Wishkah Elem. School, Wishkah	D03A	Washington,U.S.A.	47.1161N	123.7714W	31	From 2004-09-16 to 2008-02-13
Wister	WIS	California,U.S.A.	33.2760N	115.5930W	-68	
Witanowice	PL25A	Poland	49.9182N	19.5279E	280	From 2020-01-24
Wita Ponda, Sulawesi Tengah	WMCM	Indonesia	2.2162S	121.6220E	7	From 2019-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Witchita Falls	WTFS	Texas,U.S.A.	33.7662N	98.4646W	277	From 2016-12-16
Witow	PL32A	Poland	49.2940N	19.8618E	910	From 2019-12-14
Witteveen	NE04	Netherlands	52.8133N	6.6683E		From 1982-07-01
Witteveen	WIT	Netherlands	52.8133N	6.6683E	17	From 1982-07-01
Witton	AWI1	England,United Kingdom	52.8319N	1.4471E	46	From 1983-01-01
Wittsburg Lake	WLA	Arkansas,U.S.A.	35.1860N	90.7160W	113	From 1979-08-02
Witts Springs	V40A	Arkansas,U.S.A.	35.8044N	92.8232W	570	From 2011-02-20 to 2012-11-05
Witu Islands	WITU	New Britain,Papua New Guinea	4.6925S	149.4890E	100	From 1983-11-24
Wivenhoe Hill 3	WWHQ	Queensland,Australia	27.3702S	152.5872E		From 1984-07-12
WK&E Inc. Balko	U30A	Oklahoma,U.S.A.	36.5304N	100.6509W	881	From 2009-04-06 to 2011-03-12
W Memph W Sta	HDAR	Tennessee,U.S.A.	35.1536N	90.0893W	0	
Woert	WOER	Baden-Wurttemberg	49.0164N	10.2639E	476	From 2017-05-01
Wohlen bei Bern, Struchismoos, BE	WOLEN	Switzerland	46.9978N	7.3688E	489	From 2015-05-27
Wolcott	J56A	New York,U.S.A.	43.2760N	76.8579W	93	From 2013-08-18
Wolf Creek Mountain	K15K	Alaska,U.S.A.	62.2938N	161.5308W	346	From 2017-05-29
Wolfeboro	WBNH	New Hampshire,U.S.A.	43.6040N	71.0990W	200	
Wolfsedt, Oberoesterreich, Austria	A031A	Austria	48.4272N	13.4975E	366	From 2015-09-07
Wolkenburger Bergbaurevier	ANNA	Thuringen,Germany	50.8840N	12.6437E	249	From 2014-03-25
Wollersheim	BA14	Nordrhein-Westfalen,Germany	50.6717N	6.5661E	239	From 2006-10-01
Wollman Farm, Schrag	D08A	Washington,U.S.A.	47.0573N	118.9210W	385	From 2006-08-29 to 2008-11-12
Wollongong Hard Rock	WOLH	New South Wales,Australia	34.4071S	150.8740E	77	From 2011-03-23
Wolmera	WLRA	Ethiopia	9.1000N	38.6990E	3000	
Wolo	WKCM	Indonesia	3.4930S	121.1757E	85	From 2020-12-31
Wolosate	PL01A	Poland	49.0639N	22.6842E	739	From 2020-01-16
Wolsey	H31A	South Dakota,U.S.A.	44.4795N	98.4772W	415	From 2010-08-22 to 2012-06-07
Wolven Farm, McFall	O37A	Missouri,U.S.A.	40.1664N	94.1461W	284	From 2010-11-17 to 2012-09-24
Wolverton	WOL	England,United Kingdom	51.3127N	1.2228W	156	
Wolverton North	WON	England,United Kingdom	51.3275N	1.2008W	104	
Wonder Ranch	GWRM	California,U.S.A.	39.2072N	123.3000W	658	
Wongan Hills	WA1	Western Australia,Australia	30.9098S	116.7280E	260	From 1973-01-31 to 1973-05-19
Wonju	KSWJU	Republic of Korea	37.4034N	128.0526E	385	From 2005-11-24
Wonju	KSWON	Republic of Korea	37.3342N	127.9426E	149	From 1999-04-20
Wonju Array Beam Reference Point	KSAR	Republic of Korea	37.4421N	127.8844E	109	
Wonju Array Site 1	KS01	Republic of Korea	37.4766N	127.8940E	185	
Wonju Array Site 10	KS10	Republic of Korea	37.4961N	127.9302E	210	
Wonju Array Site 11	KS11	Republic of Korea	37.4808N	127.9535E	122	
Wonju Array Site 12	KS12	Republic of Korea	37.4644N	127.9427E	176	
Wonju Array Site 13	KS13	Republic of Korea	37.4458N	127.9302E	126	
Wonju Array Site 14	KS14	Republic of Korea	37.4336N	127.9094E	132	
Wonju Array Site 16	KS16	Republic of Korea	37.4516N	127.8557E	123	
Wonju Array Site 17	KS17	Republic of Korea	37.4674N	127.8407E	139	
Wonju Array Site 18	KS18	Republic of Korea	37.4861N	127.8444E	164	
Wonju Array Site 19	KS19	Republic of Korea	37.5019N	127.8669E	276	
Wonju Array Site 2	KS02	Republic of Korea	37.4953N	127.9032E	233	
Wonju Array Site 3	KS03	Republic of Korea	37.4783N	127.9177E	155	
Wonju Array Site 32	KS32	Republic of Korea	37.5778N	127.9519E	232	
Wonju Array Site 33	KS33	Republic of Korea	37.7561N	128.0260E	250	
Wonju Array Site 34	KS34	Republic of Korea	37.6028N	128.1480E	264	
Wonju Array Site 35	KS35	Republic of Korea	37.4694N	128.0685E	177	
Wonju Array Site 36	KS36	Republic of Korea	37.5679N	127.7190E	131	
Wonju Array Site 37	KS37	Republic of Korea	37.7153N	127.7975E	122	
Wonju Array Site 4	KS04	Republic of Korea	37.4566N	127.9207E	123	
Wonju Array Site 5	KS05	Republic of Korea	37.4574N	127.8924E	139	
Wonju Array Site 6	KS06	Republic of Korea	37.4708N	127.8719E	408	
Wonju Array Site 7	KS07	Republic of Korea	37.4874N	127.8727E	237	
Wonju Array Site 8	KS08	Republic of Korea	37.5153N	127.8882E	277	
Wonju Array Site 9	KS09	Republic of Korea	37.5108N	127.9224E	323	
Wonju Array Sites 15 and 31	KS15	Republic of Korea	37.4421N	127.8844E	112	
Wonogiri, Jawa	WOJI	Jawa,Indonesia	7.8372S	110.9236E	0	From 2008-12-01
Wonosalam, Banten	WLJI	Indonesia	6.8311S	105.8909E	46	From 2019-10-01
Wonsan	WOSN	Democratic People's Republic of Korea	39.1645N	127.4217E	10	From 1978-01-01
Woodanilling	WDN1	Western Australia	33.4452S	117.6603E	281	
Woodbrook Youth Facility, Port of Spain	PSWY	Trinidad and Tobago	10.6623N	61.5304W	3	From 2018-08-17
Wooded Hills, Hulbert	E45A	Michigan,U.S.A.	46.3563N	85.1774W	251	From 2011-09-20
Wooded Island	WIW	Washington,U.S.A.	46.4293N	119.2877W	128	From 1970-07-01
Wood Farm, Starbuck	E09A	Washington,U.S.A.	46.5139N	118.1455W	304	From 2006-09-26 to 2009-01-08
Woodland Fire Station, Mendocino	MNDO	California	39.3144N	123.7439W	182	From 2018-01-01
Woodland Mills	MRSM	Kentucky,U.S.A.	36.5367N	89.1023W	90	From 1989-05-24 to 1990-11-25
Woodland Mills	PPYK	Tennessee	36.5000N	89.0500W	90	From 1989-12-14 to 1992-03-14
Woodland Mills	FLDM	Tennessee	36.4825N	89.1235W	82	From 1990-11-28
Woodland Mills, MGDM	NGDN	Tennessee	36.4908N	89.1287W	87	From 1990-05-19
Woodlark Island	WDIS	D'Entrecasteaux Islands,Papua New Guinea	9.0850S	152.7190E	80	From 1983-11-21
Wood River Hill	WRH	Alaska,U.S.A.	64.4713N	148.0900W	314	
Woodside	JWSM	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodside	LT6	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodside	WDS	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodstock	WOO	Maryland,U.S.A.	39.3333N	76.8750W		
Wood Valley	WOH	Hawaii,U.S.A.	19.2513N	155.5020W	909	
Woodville	X49A	Arkansas,U.S.A.	34.5126N	86.3260W	182	From 2011-12-11
Woodville Police Station	WDPS	North Island,New Zealand	40.3382S	175.8698E	90	From 1999-07-29
Woodward Ranch, Alpine	527A	Texas,U.S.A.	30.1456N	103.6119W	1419	From 2008-03-06 to 2010-02-08
Woody	WDY	California,U.S.A.	35.7000N	118.8430W	500	From 1952-08-05 to 1970-08-27
Woody Point	WPA	Queensland,Australia	27.2603S	153.2560E	10	
Woolen Ranch, Alma	O31A	Nebraska,U.S.A.	40.1521N	99.3261W	631	From 2009-09-13 to 2011-08-20
Woolibar	WOOL	Western Australia,Australia	31.0730S	121.6780E	325	From 1994-06-01
Wooly Hollow	WHAR	Arkansas,U.S.A.	35.2902N	92.2885W	184	
Wooly Knot Farm, English	R47A	Indiana,U.S.A.	38.2957N	86.5270W	181	From 2011-11-25
Woomera	WMRG	South Australia	31.1046S	136.7634E	155	From 1981-10-07
Woomera	WSA	South Australia,Australia	31.1450S	136.8050E		
Woowoonga Park, Biggenden, Queensland, Australia	WOOW	Queensland	25.4755S	152.0799E	128	From 2017-01-10
Worcester	WOR	Massachusetts,U.S.A.	42.2667N	71.8000W	203	
Workman Tunnel	WTX	New Mexico,U.S.A.	34.0722N	106.9460W	1555	
Work Ranch	PK2	California,U.S.A.	35.8145N	120.5110W	503	
Work Ranch	WKR	California,U.S.A.	35.8145N	120.5110W	503	
Work Ranch	PWKM	California,U.S.A.	35.8145N	120.5110W	503	
Worland	I20A	Wyoming,U.S.A.	43.9496N	108.1283W	1342	From 2008-07-27 to 2010-09-13
Wormeldange-Haut	WMG	Luxembourg	49.6106N	6.3907E	229	From 2013-06-19
Woronora	WRNM	New South Wales,Australia	34.1414S	150.9516E	259	
Worthington Mountains	WRN	Nevada,U.S.A.	37.9815N	115.5906W	1743	From 1979-06-08 to 2002-10-10
Woss	WOSB	British Columbia,Canada	50.1607N	126.5704W	955	
Woudbloem	WDB	Netherlands	53.2090N	6.7349E	-2	
Woudbloem 1	WDB1	Netherlands	53.2083N	6.7355E	-49	From 2010-04-29
Woudbloem 2	WDB2	Netherlands	53.2083N	6.7355E	-99	From 2010-04-29
Woudbloem 3	WDB3	Netherlands	53.2083N	6.7355E	-149	From 2010-04-29
Woudbloem 4	WDB4	Netherlands	53.2083N	6.7355E	-199	From 2010-04-29
Wrangell Chichokna Glacier	WACK	Alaska,U.S.A.	61.9863N	144.3284W	2280	
Wrangell Island	WRAK	Alaska,U.S.A.	56.4191N	132.3466W	80	From 2006-08-28
Wrangell Mount Zanetti	WAZA	Alaska,U.S.A.	62.0751N	144.1522W	2531	
Wrangell North Crater	WANC	Alaska,U.S.A.	62.0031N	144.0699W	4190	
Wrangell Southwest	WASW	Alaska,U.S.A.	61.9282N	144.1724W	2196	
Wrenshall	E37A	Minnesota,U.S.A.	46.5658N	92.4000W	304	From 2010-10-16 to 2012-08-05
Wright Ranch	NWRM	California,U.S.A.	38.4570N	122.8880W	50	From 1970-08-14
Wright's Hill	WHW	North Island,New Zealand	41.2958S	174.7382E	383	From 1975-09-26 to 1985-09-30
Wright State University--Celina	WSCO	Ohio,U.S.A.	40.5460N	84.5090W	270	
Wright State University--Dayton	WSDO	Ohio,U.S.A.	39.7830N	84.0630W	289	
Wrigley	WRGLY	Yukon Territory,Canada	63.2281N	123.4584W	129	From 2013-07-01
Wringianom, Jawa Timur	WGJM	Indonesia	7.3833S	112.5098E	35	From 2019-01-01
Wristen Ranch, Grandfalls	328A	Texas,U.S.A.	31.3818N	102.8097W	755	From 2008-04-22 to 2010-02-13
Wroclaw	BRE	Poland	51.0742N	16.9994E	125	From 1928-01-01 to 1945-01-01
WSKAK	WSKAK	Saudi Arabia	30.3307N	39.0879E	100	
WTBKS	WTBKS	Saudi Arabia	28.0840N	35.9120E	1100	
Wuchale	WUCE	Ethiopia	11.5116N	39.6064E	1912	
Wuestenhain	WUET	Sachsen,Germany	51.0093N	12.5802E	196	From 2004-07-08
Wufeng	WWF	Taiwan region	24.0427N	120.6983E	116	From 2014-12-22
Wufeng Township	NFF	Taiwan region	24.6319N	121.1177E	655	From 2015-12-04
Wu-fen Shan	WFSB	Taiwan region	25.0710N	121.7810E	100	
Wu-fen Shan	NWF	Taiwan region	25.0710N	121.7810E	765	
Wuhan	WUC	Hubei,China	30.5436N	114.3500E	26	
Wuhan	WHN	Hubei,China	30.5436N	114.3500E	26	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wuhan	WUH	Hubei,China	30.5267N	114.5580E	50	
Wulai	TWU	Taiwan region	24.8775N	121.5336E	330	From 1977-11-08
Wulai	NWLT	Taiwan region	24.7772N	121.5025E	397	
Wulanggitang	WFTFM	Indonesia	8.5247S	122.7104E	278	From 2020-12-31
Wupatki	WUAZ	Arizona,U.S.A.	35.5169N	111.3739W	1592	From 1998-05-12
Wushi	WUS	Xinjiang Uygur Zizhiqu,China	41.1990N	79.2180E	1457	From 1988-10-21
Wusi	VWUSI	Vanuatu	15.3669S	166.6593E	40	
Wuta	EWUT	Taiwan region	24.4453N	121.7783E	37	From 2015-02-06
Wuwei	WUW	Gansu,China	37.9283N	102.6380E		
Wyalkatchem	WYAL	Western Australia	31.2360S	117.5610E	300	
Wyalkatchem	WYA2	Western Australia	31.1753S	117.3822E	250	From 2018-04-01 to 2019-02-28
Wyandotte	OWYM	California,U.S.A.	39.4530N	121.4870W	168	
Wyandotte	OWAM	California,U.S.A.	39.4530N	121.4870W	168	From 1975-08-05
Wyandotte Cave	WCI	Indiana,U.S.A.	38.2290N	86.2938W	210	From 2010-08-23
Wyangala	WYA	New South Wales,Australia	33.9269S	148.9240E		
Wyevale	H52A	Ontario,Canada	44.6422N	79.8888W	209	From 2012-11-16
Wyhlen	WYH	Baden-Wurttemberg,Germany	47.5508N	7.7018E	310	From 1987-04-14 to 2020-02-01
Wykoff	WF-	Minnesota,U.S.A.	43.8014N	92.3731W	381	From 1964-08-30 to 1964-11-24
Wykoff	WF-MN	Minnesota,U.S.A.	43.8014N	92.3731W	381	From 1964-08-30 to 1964-11-24
Wynnburg	WYBT	Tennessee,U.S.A.	36.3477N	89.4975W	82	
Wynne	WY-	Arkansas,U.S.A.	35.6122N	90.7069W	122	
Wynne	WY-AR	Arkansas,U.S.A.	35.6122N	90.7069W	122	
Wyoming Array	WYO	Wyoming,U.S.A.	42.7778N	109.5556W	2190	From 1977-06-20 to 1999-08-25
Wyoming Array	WY0	Wyoming,U.S.A.	42.7778N	109.5560W	2190	From 1977-06-20 to 1999-08-25
Xaffevillers	XAFF	Lorraine	48.4071N	6.6195E	279	From 2018-04-05
Xaffevillers, 88527, Vosges, Alsace-Champagne-Ardenne-Lorraine	A214	France	48.4071N	6.6195E	279	From 2016-05-19
Xalapa	XALA	Veracruz	19.5298N	96.9018W	1367	
Xalitzintla	PPSX	Mexico	19.0850N	98.5100W	2615	
Xanten, Dombauhtte	XANT	Nordrhein-Westfalen	51.6630N	6.4520E	25	From 2022-07-20
Xanthi	XAN2	Greece	41.1420N	24.8908E	31	From 2011-06-01
Xanthi, Greece	GR03	Greece	41.1498N	24.8825E	296	From 2022-09-28
X Bar L Ranch, Newkirk	W25A	New Mexico,U.S.A.	35.2177N	104.4606W	1446	From 2008-04-24 to 2010-04-07
Xhotanan	XTNZ	Armenia	39.2800N	46.3800E	0	
Xi'an	SPE	Shaanxi,China	34.0394N	108.9210E	630	
Xi'an	SIA	Shaanxi,China	34.2483N	108.9200E	395	
Xi'an	XAN	Shaanxi,China	34.0394N	108.9214E	630	
Xianghu	ZPXH	Taiwan region	25.4060N	117.6560E	45	From 2011-07-25
XiLinHaoTe	XLT	Inner Mongolia	43.8998N	116.0805E	1027	From 2009-01-01
Xinbi	SSPT	Taiwan region	22.4835N	120.5681E	16	From 2011-12-29
Xindian District, New Taipei City	NHDH	Taiwan region	24.9630N	121.5250E	41	From 2013-01-18
Xingo	XIN	Alagoas,Brazil	9.4483S	37.8364W	285	From 1991-01-01
Xining	SNN	Qinghai,China	36.6200N	101.7820E		
Xinwu Township	NHW	Taiwan region	25.0067N	121.0475E	133	From 2013-11-04
Xinyi Township	WHYT	Taiwan region	23.6961N	120.8532E	504	From 2013-01-18
Xiulin Township	ETLH	Taiwan region	24.2068N	121.4818E	849	From 2013-01-18
Xiulin Township	LXIB	Taiwan region	24.0211N	121.4133E	1327	From 2017-06-19
Xlendi	XLND	Malta	36.0323N	14.2200E	6	From 2016-05-04
Xochimilco	XCVM	Mexico D.F.	19.2527N	99.1168W	2254	
Xorichti	XOR	Greece	39.3661N	23.1919E	500	From 1996-01-01
Xrobb L-Ghagin	XROB	Malta	35.8434N	14.5680E	26	From 2020-02-19
Xumson	KHMS	Uzbekistan	41.6981N	69.9426E	863	
Xuru	ST07	Xizang Zizhiqu,China	31.2262N	90.0702E	5079	From 1998-07-16 to 1999-05-27
Xyliatos	XYLS	Cyprus	35.0140N	33.0493E	656	From 2019-06-10
Xylokastro	XLKS	Greece	38.0772N	22.6361E	6	From 2020-01-31
Xylokastro	XYLO	Greece	38.0804N	22.6224E	24	From 2020-06-27
Xyronomi	S019	Greece	38.2590N	23.0650E	252	
Yaak	YKM	Montana,U.S.A.	48.8620N	115.7120W	1509	From 1976-10-01 to 2004-03-11
Yaak River Ranch, Troy	A12A	Montana,U.S.A.	48.9339N	115.6526W	928	From 2006-09-27 to 2009-08-05
YACYRETA	YCA	Parana,Brazil	27.4815S	56.6928W	113	From 2002-06-28
Yadsworthy	DYA	England,United Kingdom	50.4352N	3.9309W	280	From 1982-01-01
Yagi	YGI	Wakayama,Japan	34.0681N	135.5119E	180	
Yagi	YAG	Nara,Japan	34.5167N	135.8000E	63	
Yagishiri	JYG	Rumoi,Japan	44.4268N	141.4265E	35	
Yagodnoe	YAGS	Magadanskaya Oblast',Russia	62.5300N	149.6200E	480	
Yagoua, CM31	ACM31	Cameroon	10.3270N	15.2620E	306	
Yagur	YGR	Israel	32.7400N	35.0760E	72	From 2018-03-07
Yahel	YAHL	Israel	30.0834N	35.1286E	213	From 2018-06-20
Yahiko	YHKE	Niigata,Japan	37.7336N	138.8030E	30	
Yahtse	YAH	Alaska,U.S.A.	60.3633N	141.7450W	2135	From 1974-09-05
Yahuarcocha	YAHU	Ecuador	0.3699N	78.0714W	3044	From 2011-10-14
Yailyu, Altay Republic, Russia	YALR	Altayskiy Kray,Russia	51.7694N	87.6106E	451	From 2002-07-19
Yakak	AD5	Alaska,U.S.A.	51.6289N	176.9250W	152	From 1974-01-01 to 1992-02-01
Yakataga	YKGM	Alaska,U.S.A.	60.0700N	142.4220W	46	From 1972-10-08
Yakedake	YKE	Gifu,Japan	36.2743N	137.5730E	1160	
Yakhch	YAKH	Tajikistan	38.8163N	69.9590E	1327	From 1954-07-05
Yakima	E06A	Washington,U.S.A.	46.5433N	120.9791W	911	From 2006-08-28 to 2008-05-13
Yakima	YA2	Washington,U.S.A.	46.5265N	120.5312W	652	
Yakima	YAKW	Washington,U.S.A.	46.5287N	120.5218W	629	
Yakima	YA-WA	Washington,U.S.A.	46.5000N	119.9200W	610	From 1963-01-29 to 1963-03-29
Yakima	YA-	Washington,U.S.A.	46.5000N	119.9200W	610	From 1963-01-29 to 1963-03-29
Yakoun River	QURY	British Columbia,Canada	53.3763N	132.2225W	238	
Yakumo	JYM	O shima,Japan	42.2012N	140.2533E	170	
Yakumo 2	JYM2	O shima,Japan	42.1172N	140.3700E	120	
Yakuplu-Istanbul	YKBL	Turkey	40.9908N	28.6675E	139	From 2011-01-01
Yaku shima	YKS	Ryukyu Islands,Japan	30.4500N	130.4970E	15	
Yakushimahirauchi	JYAK	Ryukyu Islands,Japan	30.2378N	130.5097E	90	From 2010-02-01
Yakutat	YKU	Alaska,U.S.A.	59.5531N	139.7290W	20	From 1978-05-01 to 2004-05-13
Yakutat	YKT	Alaska,U.S.A.	59.3686N	138.8770W	372	From 1972-10-06 to 1974-09-30
Yakutat	YKU2	Alaska,U.S.A.	59.5121N	139.6710W	10	
Yakutsk	YAK	Sakha,Russia	62.0311N	129.6811E	91	
Yalavanc, Azerbaijan	YLVJ	Azerbaijan	41.2137N	49.1059E	-33	From 2020-07-27
Yaldymych	YAT	Tajikistan	39.0500N	70.4300E	1410	
Yale	YLE	Connecticut,U.S.A.	41.3150N	72.9365W	5	
Yalikavak-Bodrum	YKAV	Turkey	37.1245N	27.2800E	112	From 2011-04-18
Yalıkoy-Catalca	KIYI	Turkey	41.4846N	28.2997E	10	From 2011-01-12
Yalikoy Yolu	CTYL	Turkey	41.4750N	28.2891E	77	From 2007-09-29
Yalız, ankırı	YALI	Turkey	40.7676N	32.9822E	1217	From 2019-12-20
Yallahs	YHJ	Jamaica	17.8920N	76.4930W	600	
Yalova	SDSN	Turkey	40.5753N	29.1500E	229	From 2009-06-14
Yalova	YLV	Turkey	40.5667N	29.3728E	829	From 1982-01-01
Yalova	YLVH	Turkey	40.6953N	29.3705E	1	From 2011-01-01
Yalova	CFTB	Turkey	40.6642N	29.2993E	0	From 2014-01-01
Yalova Cinnet	YALV	Turkey	40.6600N	29.4650E	300	From 2009-01-01
Yalova, Merkez, Kurtkoy	KURT	Turkey	40.5905N	29.2092E	122	From 2015-11-18
Yalta	MI20	Crimea	44.4800N	34.1500E	23	From 2012-12-01
Yalta	YAL	Crimea	44.4875N	34.1547E	23	
Yamagata	YAM	Yamagata,Japan	38.2533N	140.3483E	153	
Yamagata	YAMJ	Yamagata,Japan	38.1733N	140.0370E	180	From 1978-01-01
Yamagatataniai	JYTA	Gifu,Japan	35.5937N	136.7355E	109	From 2012-11-01
Yamagatayuza	JYYZ	Yamagata,Japan	39.0162N	139.9305E	28	
Yamanlar	YAMN	Turkey	38.5531N	27.1575E	997	From 1996-04-01 to 1999-07-01
Yamasaki	YZT	Hyogo,Japan	35.1030N	134.5065E	320	
Yamasaki	K02	Iwate,Japan	39.3744N	141.5967E	346	
Yamba Lake	YMBN	Northwest Territories,Canada	64.8742N	111.5325W	438	
Yamba Lake Northeast	YNEN	Northwest Territories,Canada	65.0883N	111.0500W	463	
Yambol	JMB	Bulgaria	42.4911N	26.5297E	210	From 1983-08-01
Yamhill	G03A	Oregon,U.S.A.	45.3153N	123.2811W	208	From 2006-07-15 to 2008-01-25
Yamizo	YMZU	Tochigi,Japan	36.9232N	140.2460E	500	From 1976-06-18
Yamizo	YMZ	Tochigi,Japan	36.9241N	140.2479E	500	From 1976-06-18
Yampa, N01	NCR01	Colorado	40.1402N	106.8849W	2430	
Yana	YANA	Ecuador	0.1182S	78.5712W	3780	From 1988-09-27
Yanaizu	JFY	Fukushima,Japan	37.4068N	139.7048E	420	
Yanbu	RYNBS	Saudi Arabia	24.0550N	38.1690E	15	
Yanbu` al Bahr	YNBS	Saudi Arabia	24.3396N	37.9939E	210	
Yanceyville	IP06	Virginia,U.S.A.	37.9334N	77.9815W	114	
yangbuk	YGBA	Republic of Korea	35.7955N	129.3865E	138	From 2019-03-18
Yanggu	YKB	Republic of Korea	38.2254N	127.9903E	303	From 2006-04-21
Yangibazar	YBZ	Uzbekistan	41.3021N	69.5852E	623	
Yangiyul	YNGY	Uzbekistan	41.1065N	69.0344E	352	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Yangoru	YAN	Papua New Guinea	3.6583S	143.2920E	219	
Yangpyeong	YAPA	Republic of Korea	37.4890N	127.4943E	9	From 2011-10-04
YANGPYEONG	KSYAP	Republic of Korea	37.4848N	127.4913E	47	From 2000-01-27
Yangyang	YAYB	Republic of Korea	38.0255N	128.7160E	-50	From 2018-03-09
Yanhouchang	SXFK	Taiwan region	26.3989N	117.6450E	414	From 2011-07-21
Yanliau Village	TEYL	Taiwan region	23.8680N	121.5980E	30	From 1998-08-07
Yantzaza	YANT	Ecuador	3.8616S	78.7622W	888	From 2008-12-11
Yaongyimsen	YYI	Assam,India	26.5667N	94.6833E	707	From 1979-01-01
Yaounde	YND	Cameroon	3.8700N	11.4600E	750	From 1982-02-01 to 1986-04-23
Yappala Station, SA	YAPP	South Australia	31.8663S	138.3119E	266	From 2018-06-23
Yaqui Meadows	YAQ	California,U.S.A.	33.1680N	116.3500W	441	
Yar	YAR	Cuba	20.3700N	76.3600W	200	
Yardimli	YRD	Azerbaijan	38.9162N	48.2409E	1800	From 2013-10-15
Yarimca-Ladik(Samsun)	YARM	Turkey	40.9230N	35.8266E	930	From 2013-12-05
Yaro	YALB	Republic of Korea	35.7279N	128.1934E	297	From 2018-03-09
Yarramundi, NSW	YARR	New South Wales	33.6174S	150.6877E	18	From 2017-02-02
Yaruga	YRG	Sakha,Russia	57.4900N	123.0700E	780	From 1989-01-01
Yasaka	JKY	Kyoto,Japan	35.6285N	135.1040E	260	
Yasato	JYT	Ibaraki,Japan	36.2277N	140.1940E	31	
Yasawairara	YSA	Fiji	16.6980S	177.5777E	50	From 1984-09-22
Yasnyy	YASS	Amurskaya Oblast',Russia	53.3000N	128.0000E	340	
Yasnyy	YASR	Amurskaya Oblast',Russia	53.2900N	127.9800E	330	
Yasuok	JNY	Nagano,Japan	35.3583N	137.8617E	800	
Yate Dam	BAYA	New Caledonia	22.1540S	166.8850E	163	From 2007-10-01
Yates City	N42A	Illinois,U.S.A.	40.8290N	90.0345W	205	From 2011-08-18 to 2013-04-14
Yattir	YTIR	Israel	31.3630N	35.1160E	902	
Yautepec	YAIG	Morelos,Mexico	18.8620N	99.0670W	1340	
Yava	X14A	Arizona,U.S.A.	34.4692N	112.8906W	1077	From 2006-03-12 to 2008-11-06
Yavi	YJA	Jujuy,Argentina	22.1759S	65.5142W	3510	From 1981-12-01
Yaylacik	YYLC	Turkey	40.3036N	28.8169E	241	From 2013-04-09
Yayladag	YAYL	Turkey	36.0343N	36.1070E	1225	From 2006-11-27
Yaylak	YAYX	Turkey	38.9386N	33.8115E	1142	From 2010-06-30
Yayoi	YAY	Aomori,Japan	40.6572N	140.3782E	270	
Yazd	YZKH	Iran	32.3901N	54.5916E	1000	
Yazıky, Data, Mula	YAZI	Turkey	36.6813N	27.4531E	207	From 2017-12-16
Ydroussa, Florina	FNA5	Greece	40.7242N	21.4574E	839	From 2022-02-10 to 2022-05-17
Yeager Farm, Coffeeville	Y45A	Mississippi,U.S.A.	33.8656N	89.5431W	106	From 2011-04-16 to 2013-02-06
Yebes (Guadalajara)	YEBES	Spain	40.5238N	3.0901W	917	From 2019-09-18
Yechar (Murcia)	E1002	Spain	38.0723N	1.4397W	285	From 2018-01-11 to 2018-06-26
Yecheon	KSYCH	Republic of Korea	36.6296N	128.4260E	94	From 2007-12-12
Yedisu-Bingol	YEDI	Turkey	39.4377N	40.5443E	1557	From 2011-05-03
Yeelanna, site6	YE6	South Australia,Australia	34.1589S	135.8323E	180	From 2003-12-11
Yeguas Mountain	YEG	California,U.S.A.	35.4363N	119.9590W	939	
Yeheng	YHNB	Taiwan region	24.6697N	121.3757E	775	
Yelapa	YELA	Jalisco	20.4748N	105.4618W	642	
Yell	YELU	Shetland Islands,United Kingdom	60.5509N	1.0830W	200	
Yell	YEL1	Shetland Islands,United Kingdom	60.5509N	1.0830W	203	From 1979-01-01
Yellepit	YPT	Washington,U.S.A.	46.0488N	118.9622W	325	
Yellice	YELT	Turkey	40.4962N	29.1738E	765	From 1994-01-01
Yellow Bay	YBMT	Montana,U.S.A.	47.8633N	114.0115W	1415	
Yellow Creek Bluff	YCB	Alaska,U.S.A.	56.6483N	158.6820W	320	From 1974-01-01
Yellowknife	YKC	Northwest Territories,Canada	62.4783N	114.4730W	198	From 1964-07-15
Yellowknife	RSNT	Northwest Territories,Canada	62.4797N	114.5920W	50	From 1982-01-01 to 1987-12-31
Yellowknife Ar.	YKR8	Northwest Territories,Canada	62.4932N	114.6050W	197	From 1962-01-01
Yellowknife Array	YKR0	Northwest Territories,Canada	62.4931N	114.5090W	205	From 1962-01-01 to 1976-05-31
Yellowknife Array Beam Reference Point	YKA	Northwest Territories,Canada	62.4932N	114.6053W	197	From 1962-01-01
Yellowknife Array Site B0	YKB0	Northwest Territories,Canada	62.6059N	114.6050W	221	From 1962-01-01
Yellowknife Array Site B1	YKB1	Northwest Territories,Canada	62.4024N	114.6054W	172	From 1962-01-01
Yellowknife Array Site B2	YKB2	Northwest Territories,Canada	62.4248N	114.6054W	180	From 1962-01-01
Yellowknife Array Site B3	YKB3	Northwest Territories,Canada	62.4486N	114.6052W	187	From 1962-01-01
Yellowknife Array Site B4	YKB4	Northwest Territories,Canada	62.4711N	114.6049W	192	From 1962-01-01
Yellowknife Array Site B6	YKB6	Northwest Territories,Canada	62.5165N	114.6050W	202	From 1962-01-01
Yellowknife Array Site B7	YKB7	Northwest Territories,Canada	62.5390N	114.6053W	204	From 1962-01-01
Yellowknife Array Site B8	YKB8	Northwest Territories,Canada	62.5616N	114.6047W	197	From 1962-01-01
Yellowknife Array Site B9	YKB9	Northwest Territories,Canada	62.5829N	114.6039W	213	From 1962-01-01
Yellowknife Array Site R1	YKR1	Northwest Territories,Canada	62.4927N	114.9456W	170	From 1962-01-01
Yellowknife Array Site R2	YKR2	Northwest Territories,Canada	62.4928N	114.8964W	175	From 1962-01-01
Yellowknife Array Site R3	YKR3	Northwest Territories,Canada	62.4930N	114.8477W	176	From 1962-01-01
Yellowknife Array Site R4	YKR4	Northwest Territories,Canada	62.4928N	114.7995W	173	From 1962-01-01
Yellowknife Array Site R5	YKR5	Northwest Territories,Canada	62.4933N	114.7499W	182	From 1962-01-01
Yellowknife Array Site R6	YKR6	Northwest Territories,Canada	62.4933N	114.7014W	192	From 1962-01-01
Yellowknife Array Site R7	YKR7	Northwest Territories,Canada	62.4934N	114.6537W	198	From 1962-01-01
Yellowknife Array Site R9	YKR9	Northwest Territories,Canada	62.4932N	114.5558W	201	From 1962-01-01
Yellowknife Array Sites B5 and R8	YKB5	Northwest Territories,Canada	62.4932N	114.6053W	196	From 1962-01-01
Yellowknife Array Site W1	YKW1	Northwest Territories,Canada	62.4932N	114.5090W	198	
Yellowknife Array Site W2	YKW2	Northwest Territories,Canada	62.4248N	114.6054W	200	
Yellowknife Array Site W3	YKW3	Northwest Territories,Canada	62.5608N	114.6160W	198	
Yellowknife Array site W4	YKW4	Northwest Territories,Canada	62.4922N	114.7419W	200	
Yellowknife White 1	YKAW1	Northwest Territories	62.4822N	114.4842W	198	From 2013-07-15
Yellowknife White 3	YKAW3	Northwest Territories	62.5616N	114.6099W	196	From 2013-07-15
Yellowpoint	PHYB	British Columbia,Canada	49.0828N	123.8431W	0	From 2004-05-05
Yellow Rock	YEL	Washington,U.S.A.	46.2096N	122.1890W	1750	
Yellowstone Norris Museum	YNM	Wyoming,U.S.A.	44.7265N	110.7037W	2311	From 2012-01-25
Yellowstone Northeast Entrance	YNE	Montana,U.S.A.	45.0076N	110.0080W	2343	From 2011-08-21
Yellowstone Ranch, Lander	K20A	Wyoming,U.S.A.	42.6579N	108.3418W	1736	From 2007-11-09 to 2009-10-08
Yellville	U40A	Arkansas,U.S.A.	36.3563N	92.8535W	374	From 2011-01-27
Yelwa, CM29	ACM29	Cameroon	9.3470N	13.3850E	243	
Yemen, LBO	LBOA	Yemen	13.5200N	45.1400E	537	
Yemen, SAN	ASAN	Yemen	15.2300N	44.1200E	2699	
Yemen, TRB	ATRB	Yemen	13.2080N	44.1250E	1601	
Yemen, UDY	UDY	Yemen	13.9670N	43.9900E	1313	
Yenicaga	BCAM	Turkey	40.8158N	32.0656E	1207	From 2009-11-25
YENICE	YNCM	Turkey	39.9362N	27.2422E	277	From 2018-02-08
Yenice-Canakkale	YENI	Turkey	39.9364N	27.2416E	278	From 2018-04-18
Yenice, ankırı	YENC	Turkey	40.6813N	33.8437E	999	From 2017-12-19
Yen Tu	YTV	Vietnam	21.1570N	106.7170E	0	From 2001-01-01
YEONCHEON	YNCB	Republic of Korea	38.0399N	126.9258E	56	From 2009-01-01 to 2019-03-18
Yeongam	YOA0	Republic of Korea	34.7655N	126.7379E	151	From 2016-05-31
Yeongcheon	YOCB	Republic of Korea	35.9771N	128.9511E	123	From 2015-10-01
YEONGCHEON	KSYOC	Republic of Korea	35.9713N	128.9522E	94	From 2000-11-20
Yeongdeok	KSYOD	Republic of Korea	36.5000N	129.4000E	41	From 2000-03-09
Yeongdeok	YODB	Republic of Korea	36.5333N	129.4095E	72	From 2015-10-01
Yeonggwang	YENG	Republic of Korea	35.2837N	126.4772E	73	From 2007-12-12
YEONGJU	KSYOJ	Republic of Korea	36.8680N	128.5181E	210	From 2000-11-22
Yeongwol	KSYOW	Republic of Korea	37.1737N	128.4558E	239	From 2000-02-22
Yeongyang	YEYB	Republic of Korea	36.6251N	129.0880E	160	From 2016-05-31
Yeonpyeongdo	YPDB	Republic of Korea	37.6080N	125.7102E	73	From 2015-10-01
Yeonpyeongdo	YPD	Republic of Korea	37.6615N	125.6990E	20	From 2006-11-13
Yeosu	KSYOS	Republic of Korea	34.7350N	127.7390E	66	From 2000-02-09
YEOSU	KSYSU	Republic of Korea	35.1027N	127.5968E	557	From 2006-12-30
Yeoundo	YNDB	Republic of Korea	34.4323N	127.8011E	29	From 2015-10-01
Yepocapa, Chimaltenango	FG8	Guatemala	14.2595N	90.5612W	1108	
Yerba Buena Island	CYBM	California,U.S.A.	37.8113N	122.3610W	24	
Yerba Buena Island	YBIB	California,U.S.A.	37.8142N	122.3592W	-88	
Yeremizino-Borisovskaya	ERBR	Krasnodarskiy Kray,Russia	45.7146N	40.4835E	286	From 2009-10-07
Yerevan	ERE	Armenia	40.1700N	44.4700E	998	From 1932-01-01
Yerington	YERR	Nevada,U.S.A.	38.9852N	119.2406W	1857	
Yerkesik	YER	Turkey	37.1347N	28.2828E	730	From 1974-07-01
Yerranderie	YERM	New South Wales,Australia	34.1425S	150.2321E	554	
Yesan	YSAB	Republic of Korea	36.7421N	126.8156E	-29	From 2016-05-31
Yeshan	MHZQ	Taiwan region	26.1000N	119.0300E	0	From 2011-07-22
Yesilovacik-Mersin	YESI	Turkey	36.1957N	33.6421E	27	From 2011-07-01
Yesilyurt	YESY	Turkey	37.7825N	33.7431E	1206	From 2010-06-30
Yesilyurt, Malatya	MGNB	Turkey	38.2860N	38.2621E	1065	From 2021-12-29
Yftach	YFTH	Israel	33.1274N	35.5510E	454	From 2018-02-27
YHAZ	YHAZ	Israel	29.6230N	34.8770E	777	From 1985-11-01 to 1988-03-31
YHOZ	YHOZ	Israel	29.6170N	34.8740E	0	From 1984-01-01 to 1985-11-30
Yigitali	YGTL	Turkey	40.1762N	29.0233E	587	From 2013-04-10
Yijhu	ICHU	Taiwan region	23.3606N	120.2793E	37	From 2014-07-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Yiju	CHN8	Taiwan region	23.3460N	120.2110E	6	
Yilanlidag	MUGL	Turkey	37.2075N	28.4675E	1465	From 2002-11-08 to 2003-05-25
Yinchuan	YNC	Ningxia,China	38.4750N	106.2700E		
Yingkou	YIN	Liaoning,China	40.6667N	122.2333E	2	From 1934-01-01 to 1937-12-31
Yitav	YITV	Israel	31.9469N	35.4228E	-61	From 2018-02-27
Ylip, Raahe	OBF2	Finland	64.5600N	24.4800E	30	From 2013-08-01
Ylistaro	VAF	Finland	63.0422N	22.6715E	55	From 1989-06-06
YLMLM	YLMLM	Saudi Arabia	20.7738N	39.9442E	100	
YM01	YM01	Taiwan region	25.1464N	121.5700E	469	From 2008-02-26
YM03	YM03	Taiwan region	25.1792N	121.5397E	714	From 2008-01-17
YM04	YM04	Taiwan region	25.1537N	121.5363E	369	From 2008-02-24
YM05	YM05	Taiwan region	25.1640N	121.5655E	724	From 2005-10-05
YM06	YM06	Taiwan region	25.1520N	121.6026E	467	From 2005-10-05
YM07	YM07	Taiwan region	25.1754N	121.6204E	456	From 2005-10-11
YM08	YM08	Taiwan region	25.1879N	121.5896E	321	From 2005-10-04
YM09	YM09	Taiwan region	25.2433N	121.5620E	510	From 2008-04-15
YM10	YM10	Taiwan region	25.1555N	121.5609E	615	From 2007-01-24
YM11	YM11	Taiwan region	25.1657N	121.5741E	758	From 2007-04-14
YM12	YM12	Taiwan region	25.1813N	121.5693E	363	From 2007-04-12
YMCA Camp	YCM	Montana,U.S.A.	46.5256N	112.3940W	1597	From 1974-08-06 to 1976-10-04
Yoakum	EF66	Texas	29.3510N	97.1239W	82	From 2018-12-18
Yocalla	BB06	Bolivia	19.3897S	65.9105W	3421	From 2012-01-12
Yogyakarta	YOGI	Jawa,Indonesia	7.8166S	110.2949E	160	From 2005-12-01
Yokadouma, CM03	ACM03	Cameroon	2.5190N	15.0340E	470	
Yokaichiba	YKI	Chiba,Japan	35.7185N	140.5088E	-142	
Yokjido	YKDB	Republic of Korea	34.6224N	128.2734E	113	From 2015-10-01
Yoko, CM17	ACM17	Cameroon	5.5460N	12.3120E	924	
Yokohama	YOK	Kanagawa,Japan	35.4367N	139.6567E	38	
Yokooka	YOKT	Akita,Japan	39.1600N	139.9800E	260	
Yokosk	JYO	Kanagawa,Japan	35.2238N	139.6653E	80	
Yokosuka	YSK	Kanagawa,Japan	35.3167N	139.6500E		
Yo Moklole	YOMI	Irian Jaya,Indonesia	2.6428S	140.5600E	260	
Yonago	YON	Tottori,Japan	35.4317N	133.3417E	7	
Yonago 2	YONJ	Tottori,Japan	35.1883N	133.4630E	320	
Yonaguni jima	YOJ	Ryukyu Islands,Japan	24.4617N	123.0108E	32	
Yonaguni jima 2	JYJ	Ryukyu Islands,Japan	24.4502N	122.9437E	22	
Yonagunijimakubura	JYNG	Ryukyu Islands,Japan	24.4512N	122.9452E	15	From 2010-02-01
Yonezawaarcadia	JYAR	Yamagata,Japan	37.9127N	140.1437E	245	From 2012-07-01
Yongam	YGAA	Republic of Korea	35.8532N	128.3657E	51	From 2018-03-09
Yongin	YINB	Republic of Korea	37.2710N	127.2265E	-12	From 2016-12-16
Yongjeong	YGJA	Republic of Korea	35.0278N	128.4834E	27	From 2018-03-09
Yonkie	YYYY	Papua New Guinea	6.2412S	145.9690E	1314	From 1988-06-02
Yopal, Colombia	YOPC	Colombia	5.3540N	72.4207W	933	From 2009-02-01
York	YK3	Western Australia	31.9930S	116.7200E	215	From 1994-11-24
York	YK1	Western Australia	31.9970S	116.7450E	185	From 1994-11-24
York	YK4	Western Australia	31.9680S	116.7170E	215	From 1994-11-24
York	YK2	Western Australia	31.9680S	116.7270E	205	From 1994-11-24
Yorkshire	YSNY	New York,U.S.A.	42.4758N	78.5375W	628	From 1993-08-18 to 2002-12-20
Yorktown	EF05	Texas	28.9900N	97.5179W	73	From 2018-11-08
Yorkville	BOGT	Tennessee	36.1357N	89.0913W	128	From 1989-10-18
Yorkville	MTHT	Tennessee	36.0835N	89.0973W	125	From 1989-10-18 to 1990-09-05
Yorkville, LNXT	LNXN	Tennessee	36.1123N	89.0562W	79	From 1989-11-23
Yoro	YORHN	Honduras	15.1206N	87.1218W	705	From 2016-01-01
Yoronjima	JYRO	Kagoshima,Japan	27.0247N	128.4505E	26	From 2012-07-01
Yoruktepe-Mersin	YORU	Turkey	36.1538N	33.4054E	426	From 2011-07-01
Yosemite Lake	MYLM	California,U.S.A.	37.3835N	120.4205W	57	
Yoshimatsu	YOSD	Kagoshima,Japan	32.0006N	130.7278E	315	
Yoshimatsu	YSM	Kagoshima,Japan	32.0267N	130.7361E	215	
Yoshiwara	YOS	Shizuoka,Japan	35.1667N	138.6830E		
Yoshizawa	JYZW	Shizuoka,Japan	34.9960N	137.7337E	93	
Yosondua	YOIG	Oaxaca	16.8565N	97.5456W	2284	From 2012-09-06
Yotoco, Valle del Cauca	YOTC	Colombia	3.9835N	76.3450W	1040	From 2011-12-13
Yotvata	YTVT	Israel	29.8921N	35.0591E	108	From 2018-07-10
Yotvata	YELM	Israel	29.8900N	35.0600E	730	From 1983-04-01 to 1986-05-31
Youbou, Lake Cowichan	YOUB	British Columbia,Canada	48.9010N	124.2618W	771	
Young	YOU	New South Wales,Australia	34.2783S	148.3817E	503	From 1974-07-01 to 1998-08-17
Young	YNG	New South Wales,Australia	34.2980S	148.3963E	460	From 1999-01-01
YOUNGJONGDO	YJD	Republic of Korea	37.4668N	126.4335E	34	From 2001-11-07
Youngju	YOJB	Republic of Korea	36.8720N	128.5166E	239	From 2015-10-01
Youngstown State University	YSUO	Ohio,U.S.A.	41.1041N	80.6481W	274	
Your Creek	E24K	Alaska,U.S.A.	68.0748N	148.4868W	847	From 2016-06-29
Youssef Ben Tachfine	YBT	Morocco	29.8456N	9.4983W	69	
Yozgat	SIRC	Turkey	39.3363N	35.1481E	1241	From 2013-02-01
Yozgat	YOZ	Turkey	39.6400N	35.3200E	1422	
Yozgat, Cekerek-Merkez	CKRK	Turkey	40.0732N	35.4998E	991	From 2014-11-28
Yr Eifl	YRE	Wales,United Kingdom	52.9810N	4.4254W	197	From 1984-01-01
Yreka	YR-CL	California,U.S.A.	41.6353N	122.7539W	914	From 1965-10-25 to 1967-10-06
Yreka	YR-	California,U.S.A.	41.6353N	122.7539W	914	From 1965-10-25 to 1967-10-06
Yreka Blue Horn Mine, Yreka	YBH	California,U.S.A.	41.7320N	122.7104W	1059	From 1993-07-24
Yuanli	PTSB	Taiwan region	24.4469N	120.7048E	202	From 2006-01-04
Yuanlin Township	WYL	Taiwan region	23.9610N	120.5800E	25	
Yuanshan	SLBB	Taiwan region	24.7538N	121.6356E	490	From 2002-12-02
Yuasa	YAS	Wakayama,Japan	34.0328N	135.1822E	10	
Yuba Gap, Truckee	P05C	California,U.S.A.	39.3028N	120.6077W	1756	From 2005-06-07 to 2007-10-13
Yubileniya	YUB	Sakha,Russia	70.7380N	136.0930E	10	
Yucca	X13A	Arizona,U.S.A.	34.5935N	113.8302W	889	From 2006-03-14 to 2008-10-18
Yucca Flat NTS	YF4NV	Nevada,U.S.A.	37.0747N	116.0367W	1244	
Yucca Flat NTS	YF2NV	Nevada,U.S.A.	37.0694N	116.0122W	1260	
Yucca Flat NTS	YF-NV	Nevada,U.S.A.	37.0683N	116.0019W	1271	
Yucca Flat NTS	YF3NV	Nevada,U.S.A.	37.0728N	116.0242W	1254	
Yucca Mountain	YMT6	Nevada,U.S.A.	36.8557N	116.4000W	1149	From 1981-04-01 to 2002-10-10
Yucca Mountain	YMT5	Nevada,U.S.A.	36.8987N	116.4534W	1381	From 1981-04-01 to 2002-10-10
Yucca Mountain	YMT4	Nevada,U.S.A.	36.8487N	116.4503W	1283	From 1981-04-01 to 2002-10-10
Yucca Mountain	YMT3	Nevada,U.S.A.	36.7860N	116.4130W	1088	
Yucca Mountain	YMT2	Nevada,U.S.A.	36.7853N	116.4866W	1079	From 1981-03-05 to 2002-12-10
Yucca Mountain	YMT1	Nevada,U.S.A.	36.8539N	116.5300W	1002	
Yucca Mountain	YM-NV	Nevada,U.S.A.	36.9314N	116.5542W	1341	
Yuchr	TYC	Taiwan region	23.9040N	120.8570E	20	
Yuen Ng Fan	YHK	Hong Kong,China	22.3777N	114.3378E	87	
Yugu	YUGA	Republic of Korea	36.5406N	126.9473E	72	From 2018-03-09
Yuha Desert	YUH	California,U.S.A.	32.6477N	115.9230W	186	
Yuha Desert	YUH2	California	32.6475N	115.9223W	184	From 2014-04-29
Yukon River	H23K	Alaska,U.S.A.	65.8251N	149.5432W	617	From 2015-05-21
Yuktali	YKLR	Sakha,Russia	56.5915N	121.6542E	417	From 2004-07-04
Yulee	457A	Florida,U.S.A.	30.6199N	81.5563W	16	From 2012-02-03
Yuli	TWF1	Taiwan region	23.3522N	121.2970E	260	From 1977-08-26
Yuli	EYUL	Taiwan region	23.3472N	121.3191E	165	From 2014-08-07
Yuli	TWF	Taiwan region	23.3492N	121.2960E	180	From 1974-01-30
Yu-li	YULB	Taiwan region	23.3924N	121.2973E	295	
Yulia Kugaenko	YKUG	Kamchatskaya Oblast'	55.6600N	160.2320E	982	From 2021-09-14
Yulton	YLTN	Patagonia	45.0583S	73.1087W	1020	From 2017-10-01
Yuma	112A	Arizona,U.S.A.	32.5356N	114.5804W	87	From 2007-05-06 to 2008-10-22
Yuma Desert	YMD	Arizona,U.S.A.	32.5547N	114.5450W	76	
Yuma Proving Gounds (US Army), Dateland	Z13A	Arizona,U.S.A.	33.1999N	113.6568W	375	From 2008-02-07 to 2009-01-30
Yumen	YUM	Gansu,China	40.2967N	97.0150E		
Yumesaki	YST	Hyogo,Japan	35.0008N	134.6285E	220	
Yumurtalik	YUMT	Turkey	36.7710N	35.7880E	27	From 1994-03-01
Yundola	YUN	Bulgaria	42.0636N	23.8530E	1400	From 2023-03-01
Yung-k'ang	TAI1	Taiwan region	23.0400N	120.2280E	-190	
Yunotani	YNT	Niigata,Japan	37.2233N	139.0145E	170	
YUNZ	YUNZ	Bolivia	19.1581S	65.0700W	2896	From 1994-05-30 to 1995-05-22
Yupe	YPE	El Salvador	14.1217N	89.6806W	1581	
Yupiltepeque	YUP	Guatemala	14.2013N	89.8015W	1430	From 1980-08-01
YUREGIR	YURE	Turkey	36.8259N	35.6324E	491	From 2006-12-01
Yurimuri	YUX	Baja California	32.0277N	115.1990W	10	
Yuscaran	YUSH	Honduras	13.9539N	86.8426W	918	
Yu-Shan	YUS	Taiwan region	23.4893N	120.9520E	3845	
Yuva-Kibriscik (Bolu)	YUVA	Turkey	40.3910N	31.6872E	1163	From 2013-09-09
Yuwa	JYW	Akita,Japan	39.5403N	140.2085E	30	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Yuzawa	YZU	Niigata,Japan	36.8952N	138.7813E	600	
Yuzh-Kuril'sk	YUK	Sakhalinskaya Oblast',Russia	44.0347N	145.8614E	28	
Yuzhno-Sakhalinsk	YSS	Sakhalinskaya Oblast',Russia	46.9539N	142.7550E	98	
Yuzhno-Sakhalinsk, Sakhalin, Russia	YSAH	Sakhalinskaya Oblast'	46.9885N	142.7631E	83	From 2021-01-30
Yverdon-Jordils	SYVJ	Switzerland	46.7771N	6.6375E	434	From 1992-06-05
Yverdon-les-Bains, rue des Philosophes	SYVP	Switzerland	46.7747N	6.6417E	434	From 2011-05-01
Zabid	ZBID	Yemen	14.1958N	43.3167E	0	
Zabrze	ZAB	Poland	50.3014N	18.7944E	258	
Zacaltic	ZAC	Chiapas,Mexico	17.2500N	92.7610W	380	
Zacatecas	ZAIG	Zacatecas,Mexico	22.7690N	102.5670W	2408	
Zacharo	ZARO	Greece	37.4865N	21.6491E	30	
Zafarana	ZAF	Egypt	29.2819N	32.5487E	165	
Zafferana	ZA1	Sicily,Italy	37.6853N	15.0900E	875	
Zaghouan	ZGN	Tunisia	36.3700N	10.1000E	720	
Zagora	ZGR	Morocco	30.1190N	5.6200W	1083	
Zagorskoe	ZGR4	Sakhalinskaya Oblast',Russia	47.3029N	142.4930E	120	From 2001-01-01
Zagreb	ZAG*	Croatia	45.8167N	15.9833E	155	From 1906-04-04 to 1983-12-31
Zagreb	ZAG	Croatia	45.8270N	15.9870E	188	From 1983-01-01
Zahaedan-tmp	SZD1	Iran	29.4863N	60.8655E	1383	From 2012-10-16
Zahedan	ZHDN	Iran	29.3990N	60.8102E	1511	From 2015-04-13
Zahedan	ZHSF	Iran	29.6110N	60.7750E	1575	From 1999-10-10
Zahle	ZAHL	Lebanon	33.8580N	35.8853E	1211	From 2015-08-05
Zahran al Janub	DJNS	Saudi Arabia	17.7014N	43.5449E	2250	
Zaio	ZAI	Morocco	34.9700N	2.7460W	750	
Zaisan	ZSN	Kazakhstan	47.4500N	84.8660E	550	From 1990-10-01
Zajecar	ZAGS	Serbia	43.8126N	22.2328E	205	From 2011-07-15
Zakamensk	ZAK	Buryatiya,Russia	50.3819N	103.2806E	1200	
Zakatala	ZKTA	Azerbaijan	41.6380N	46.6220E	497	From 2009-10-26
Zakros	ZKR	Crete,Greece	35.1147N	26.2170E	270	
Zakynthos	ZKS	Greece	37.6969N	20.7853E	371	From 2010-05-11
Zakynthos	ZAK2	Greece	37.7879N	20.9000E	2	From 2012-09-01
Zalesovo	ZAL	Altayskiy Kray,Russia	53.9367N	84.7981E	213	
Zalesovo Array Site A0	ZAA0	Altayskiy Kray,Russia	53.9481N	84.8188E	229	
Zalesovo Array Site A1	ZAA1	Altayskiy Kray,Russia	53.9524N	84.8190E	246	
Zalesovo Array Site A2	ZAA2	Altayskiy Kray,Russia	53.9439N	84.8237E	207	
Zalesovo Array Site A3	ZAA3	Altayskiy Kray,Russia	53.9477N	84.8091E	242	
Zalesovo Array Site B1	ZAB1	Altayskiy Kray,Russia	53.9637N	84.8308E	245	
Zalesovo Array Site B2	ZAB2	Altayskiy Kray,Russia	53.9488N	84.8462E	253	
Zalesovo Array Site B3	ZAB3	Altayskiy Kray,Russia	53.9368N	84.8342E	234	
Zalesovo Array Site B4	ZAB4	Altayskiy Kray,Russia	53.9377N	84.7985E	199	
Zalesovo Array Site B5	ZAB5	Altayskiy Kray,Russia	53.9566N	84.7972E	195	
Zalesovo Beam	ZALV	Altayskiy Kray,Russia	53.9481N	84.8188E	229	
ZALESOVO INFRASONIC ARRAY REFERENCE POINT	MKAR	Altayskiy Kray,Russia	53.9487N	84.8189E	232	From 2006-11-30
Zalf	ZALF	Syria	32.9221N	37.3342E	532	From 1994-12-01
Zalla	LZLA	Libya	28.5537N	17.5613E	239	
Zamaca	PT04	Peru	14.6717S	75.6150W	400	
Zamankul	ZAMK	Severo-Osetinskaya	43.3470N	44.4070E	500	From 2000-10-01 to 2006-07-04
Zamans	EZAM	Spain	42.1490N	8.6950W	398	From 1986-12-01
Zamboanga	ZMP	Mindanao,Philippines	6.9196N	122.0633E	0	From 1982-09-23 to 1997-01-01
Zamboanga City	ZMPH	Mindanao,Philippines	6.9540N	122.0640E	59	
Zamboanga City	ZCP	Philippines	6.9321N	122.0746E	10	From 2010-09-01
Zamora	NE28	Spain	41.4140N	5.7550W	720	
Zangian	ZNGN	Iran	32.1174N	50.8542E	2662	From 2011-01-01
Zanguenga, Chorrera	ZANG	Panama	8.9561N	79.8667W	110	From 2004-10-01
Zanjan	ZNJK	Iran,Iran	36.6700N	48.6850E	2200	
Zanoah	ZNH	Israel	31.6770N	35.0000E	440	
Zante	ZAN	Greece	37.6500N	20.6667E	4	
Zapallar	ZACH	Valparaiso,Chile	32.5533S	71.4583W	44	
Zapla	AZAP	Jujuy,Argentina	24.2242S	65.0662W	2070	
Zaqatala	ZKT	Azerbaijan	41.6540N	46.6670E	530	From 1979-01-01
ZAR	CZAR	Baja California	32.1903N	116.4817W	570	
Zarabog	ZRB	Uzbekistan	38.0940N	66.2880E	802	
Zarafshan	ZRF	Uzbekistan	41.5584N	64.3834E	695	
Zarafshon	ZARA	Tajikistan	39.3968N	68.5496E	1596	From 2000-06-01
Zaragoza, Cauca	ZARC	Colombia	7.4923N	74.8580W	205	From 2011-08-17
Zarand Kerman	ZRDN	Iran	30.9675N	56.5356E	2029	From 2016-01-05
ZARAND_ Kerman	KZRD	Iran	31.0119N	56.6286E	2187	From 2023-08-03
Zarasai	IZAR	Lithuania	55.7497N	26.2458E	154	
Zara_SIVAS	CUZAR	Turkey	39.8882N	37.7705E	1425	From 2010-09-14
Zarcero	ZARE	Costa Rica,Costa Rica	10.1838N	84.3900W	1780	
Zarcilla de Ramos, Murcia	EXZAR	Spain	37.8446N	1.8779W	653	From 2011-05-01
Zardab	ZRD	Azerbaijan	40.2790N	47.6840E	30	From 2010-12-02
Zarechye	ZRHB	Buryatiya,Russia	52.5540N	107.1520E	480	From 1999-12-01
Zarishat	ZRSH	Armenia	40.9905N	43.6713E	2136	From 2021-11-01
Zar'it	ZRT	Israel	33.1015N	35.2901E	678	From 2018-07-30
Zarko	TYR2	Greece	39.6098N	22.1242E	163	From 2021-03-05 to 2021-03-26
Zarko new site	TYR2A	Greece	39.6087N	22.1291E	183	From 2021-03-26 to 2021-04-30
Zarnava, Azerbaijan	ZRNV	Azerbaijan	40.8000N	48.3471E	1297	From 2021-05-07
Zarrentin	ZARR	Mecklenburg-Vorpommern	53.5538N	10.9176E	42	From 2011-07-01
Zaryechye, Baikal	ZRH	Buryatiya,Russia	52.5452N	107.1592E	481	From 2000-01-01
Zarzadilla de Totana, Murcia	EZAR	Spain	37.8751N	1.6942W	1015	From 2015-12-14
Zatrenii	RO03A	Romania	44.7765N	23.8757E	259	From 2022-06-09
Zatriq	ZATK	Kosovo	42.4484N	20.6229E	1060	From 2008-07-06
Zavalia	ZAV	Texas,U.S.A.	31.1192N	94.5453W		
Zavkhan, Tosontsengel soum	TSCM	Mongolia	48.7065N	98.1399E	1824	From 2014-05-15
Zavodnje	ZAVS	Slovenia	46.4342N	15.0246E	741	From 2005-08-11
Zavoj	ZAPS	Serbia	43.2737N	22.6336E	624	From 2004-10-22
Zbynov	ZBNS	Slovakia	49.1337N	18.6423E	499	From 2023-02-01
Zeckenberg-Ebnath	MZEK	Bayern,Germany	49.9626N	11.9474E	627	From 2001-04-24
ZEC Mazanza, Mont-Saint-Michel	D56A	Quebec,Canada	47.0485N	74.7568W	421	From 2013-07-29
Zefat	ZEFT	Israel	32.9688N	35.4936E	793	From 2018-03-12
Zefat	SAF	Israel	32.9600N	35.4950E	800	
ZEFH	ZEFH	Israel	29.5200N	34.8970E	118	From 1987-05-01 to 1988-03-31
Zefreh	IZEF	Iran	32.8956N	52.3291E	2320	From 2000-09-01
ZEK Kipawa Senerzegues Township	D52A	Quebec,Canada	46.9764N	78.4117W	359	From 2012-10-31
Zelena Hora	ZHC	Czech Republic	50.0706N	12.3087E	631	From 1996-01-10
Zelenaya	ZLN	Kamchatskaya Oblast',Russia	56.0169N	160.8039E	1120	
Zelenogorsk	ZLNR	Krasnoyarskiy Kray,Russia	56.1190N	94.5175E	250	From 2005-04-27
Zelsheim	ZELS	Alsace	48.3022N	7.6308E	162	From 2016-01-01
Zemlya Franca-locifa	ZFI	Arkhangel'skaya Oblast',Russia	80.8070N	47.6590E	17	From 2011-09-22
Zemlya Franca-locifa2	ZFI2	Arkhangel'skaya Oblast',Russia	80.8090N	47.6550E	18	From 2011-09-22
Zenema	ZNM	Egypt	29.3761N	32.8752E	210	
Zephyrhills	857A	Florida,U.S.A.	28.2670N	82.2291W	50	From 2012-02-17
Zerenda	ZRNK	Kazakhstan	52.9508N	69.0042E	384	From 1994-07-22
Zerenda array site	ZRN8	Kazakhstan	52.9546N	68.9633E	364	From 1995-08-12
Zerenda array site	ZRN4	Kazakhstan	52.9704N	69.0323E	382	From 1995-08-12
Zerenda array site	ZRN9	Kazakhstan	52.9771N	69.0027E	368	From 1995-08-12
Zerenda array site	ZRN6	Kazakhstan	52.9271N	69.0337E	405	From 1995-08-12
Zerenda array site	ZRN5	Kazakhstan	52.9461N	69.0485E	407	From 1995-08-12
Zerenda array site	ZRN7	Kazakhstan	52.9294N	68.9772E	388	From 1995-08-12
Zereshkeh	BZRK	Iran	33.8569N	48.6922E	1807	From 2013-09-09
Zerhoun	ZER	Morocco	34.0190N	5.4700W	1118	
Zermatt, Kirche VS	SZEK	Switzerland	46.0196N	7.7475E	1609	From 2016-05-05
Zermatt, Position 36, VS	MH36	Switzerland	45.9803N	7.6702E	3463	From 2015-05-28
Zermatt, Position 38, VS	MH38	Switzerland	45.9809N	7.6704E	3529	From 2015-05-28
Zermatt, Position 44, VS	MH44	Switzerland	45.9813N	7.6711E	3489	From 2015-08-15
Zernez	SZER	Switzerland	46.6975N	10.0977E	1471	From 2006-08-16
Zeuzier, Stausee VS	STSW2	Switzerland	46.3452N	7.4338E	1772	From 2015-12-01
Zevekote	BZEV	Belgium	51.1370N	2.8995E	2	From 1992-04-12 to 2021-11-04
Zeya	ZEA	Amurskaya Oblast',Russia	53.7380N	127.2500E	273	
Zeytinbag	ZYBG	Turkey	40.3900N	28.7950E	67	From 2005-11-01
Zeytinkoy-Aydin	AYDB	Turkey	37.9466N	27.8908E	1246	From 2009-10-03
Zfri	ZFRI	Israel	30.5540N	35.1780E	-37	
Zhanghua	WCHH	Taiwan region	24.0795N	120.5583E	34	From 2011-01-05
Zheleznogorsk	GZLN	Krasnoyarskiy Kray,Russia	56.3800N	93.7700E	210	From 2012-12-18
Zheleznogorsk-3, Russia	SHTK	Krasnoyarskiy Kray,Russia	56.3330N	93.6050E	150	From 2012-12-21
Zheleznogorsk city	GZL	Krasnoyarskiy Kray,Russia	56.2650N	93.5420E	165	From 2005-11-08
Zhetisay	ZHET	Kazakhstan	40.7651N	68.2908E	268	From 2022-03-15
ZHG	ZHG	Morocco	33.4460N	6.6420W	788	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Zhinishke	ZHN	Kazakhstan	43.1680N	78.4350E	1332	From 2004-06-09
Zhob	ZHOB	Pakistan	31.3300N	69.4100E	1417	From 2006-04-02
Zhongli	NCUH	Taiwan region	24.9679N	121.1849E	153	From 2011-01-05
Zhudong	NJD	Taiwan region	24.7358N	121.0881E	150	From 2014-12-11
Zhunan	NJN	Taiwan region	24.6836N	120.8703E	5	From 2014-12-11
Zhushan	WJS	Taiwan region	23.8219N	120.7279E	175	From 2009-10-07
Zhuzihu	ZUZH	Taiwan region	25.1621N	121.5447E	470	From 2018-10-12
Ziano	ZIAN	Italy	46.2764N	11.5632E	1154	From 2012-11-19
Zihlschlacht	SGT02	Switzerland	47.5133N	9.2479E	577	From 2012-01-15
Zihuatanejo	ZIIG	Guerrero,Mexico	17.6067N	101.4650W	32	
Zihuatanejo	ZIH	Guerrero,Mexico	17.6100N	101.4620W	5	
Zihuatanejo	ZHGX	Guerrero,Mexico	17.6083N	101.4650W		
Zimchurud	ZIM	Tajikistan	38.7667N	68.8000E		
Zimniki	ZMN	Primorskiy Kray,Russia	45.4750N	134.2580E	150	From 1988-07-01
Zion National Park	ZNPU	Utah,U.S.A.	37.3561N	113.1254W	1953	From 2009-10-22
Ziria, Aigialia, West Greece	ZIRI	Greece	38.3052N	21.9476E	505	From 2010-07-04
Zirje	ZIRJ	Croatia	43.6543N	15.6439E	107	
Zirndorf	A354A	Germany	49.4523N	10.9690E	327	From 2015-10-23
ZIRO	ZIRO	Arunachal Pradesh,India	27.5266N	93.8499E	1600	From 2011-05-01
Zishin	ZIS	Guatemala	14.0333N	90.4550W	50	From 1979-09-01
Zivanice	A082A	Czech Republic	50.0610N	15.6502E	220	From 2015-10-08
Zmalet El Emir Abdelkader	EZEK	Algeria,Algeria	34.8666N	2.3057E	904	
Zocca	ZCCA	Italy	44.3509N	10.9765E	700	
Zofira	ZOFR	Greece	38.0650N	23.6940E	242	
ZOLA PREDOSA GESSI	ZPG	Italy	44.4657N	11.2158E	195	From 2013-07-31
ZOLA PREDOSA PIANA	ZPP	Italy	44.5244N	11.2044E	94	From 2009-10-30
Zomba	ZOMB	Malawi	15.3833S	35.3500E	885	From 2006-06-01
Zona Ceiba Puerto Rico	ZCPR	Puerto Rico	18.2542N	65.6405W	11	From 2021-04-06
Zona Comercial 1	ZC01	Baja California	32.6310N	115.5740W	0	
Zona comercial 6	ZC06	Baja California	32.5998N	115.3930W	16	
Zonda	ZON	San Juan,Argentina	31.5458S	68.6786W	730	
Zone	ZONE	Italy	45.7639N	10.1171E	670	From 2015-12-01
Zongo (La Paz)	ZOBO	Bolivia	16.2694S	68.1240W	4397	
Zongo (La Paz)	ZLP	Bolivia	16.2694S	68.1240W	4397	
Zonguldak	ZGT	Turkey	41.4508N	31.7611E	70	From 1980-01-01 to 1981-06-30
Zonguldak/Devrek-Atalar	DEVR	Turkey	41.1417N	31.9724E	388	From 2014-12-01
Zoodochos Pigi, KEAI	KEAIE	Greece	37.6232N	24.3191E	378	
Zoufplan	ZOU	Italy	46.5567N	12.9733E	1896	From 1982-10-17
Zovencedo	ZOVE	Italy	45.4536N	11.4876E	376	From 2011-09-07
Zubak	A331A	Slovakia	49.1501N	18.2209E	427	From 2015-08-25
Zuerich Laegern	ZLA	Switzerland	47.4822N	8.3892E	780	
Zugar Island	ZUQR	Yemen	13.9848N	42.7508E	171	From 2007-11-24
Zugdidi	ZUG	Georgia,Georgia	42.5167N	41.8833E	110	
Zugspitze, Schneeferner	ZUGS	Bayern	47.4163N	10.9788E	2650	From 2006-02-10
Zuidlaarderveen	ZLV	Netherlands	53.0931N	6.7500E	1	
Zuidlaarderveen	ZLV2	Netherlands	53.0921N	6.7533E	-98	From 2010-05-18
Zuidlaarderveen	ZLV1	Netherlands	53.0921N	6.7533E	-48	From 2010-05-18
Zuidlaarderveen	ZLV3	Netherlands	53.0921N	6.7533E	-148	From 2010-05-18
Zuidlaarderveen	ZLV4	Netherlands	53.0921N	6.7533E	-198	From 2010-05-18
Zuidlaarderveen (2)	ZL23	Netherlands	53.0921N	6.7533E	-66	From 2009-04-10
Zuidlaarderveen (2)	ZL22	Netherlands	53.0921N	6.7533E	-16	From 2009-04-10
Zuidlaarderveen (2)	ZL24	Netherlands	53.0921N	6.7533E	-116	From 2009-04-10
Zuidlaarderveen (2)	ZL21	Netherlands	53.0921N	6.7533E	34	From 2009-04-10
Zukim	ZUKM	Israel	30.4915N	35.1668E	64	From 2018-08-12
Zumba	ZUMB	Ecuador	4.8637S	79.1439W	1286	From 2012-11-08
ZUMPANGO	ZUVM	Mexico	19.8265N	99.0775W	2288	From 2009-06-04
Zunzarren	IZUN	Spain	42.8610N	1.4564W	701	From 2007-03-01
Zuqar Island	ZQRN	Yemen	14.0478N	42.7257E	38	From 2007-12-18
Zurich-Lageren	ZUL	Switzerland	47.4813N	8.3903E	700	From 1975-01-01 to 1986-07-09
Zrich, Zeughauswiese	SZUZ	Switzerland	47.3775N	8.5302E	408	From 2012-12-19
Zur Nathan	ZNT	Israel	32.2400N	35.0280E	234	
Zu Zu	ZZT	Tennessee,U.S.A.	35.3640N	89.3720W	120	From 1974-03-01 to 1975-09-30
Zvikov	ZVC	Czech Republic	49.4389N	14.1923E	375	From 2017-05-03
Zweins	ZWE2	Netherlands	53.1885N	5.6045E	-60	From 2010-03-24
Zweins	ZWE4	Netherlands	53.1885N	5.6045E	-120	From 2010-03-24
Zweins	ZWE1	Netherlands	53.1885N	5.6045E	-30	From 2010-03-24
Zweins	ZWE3	Netherlands	53.1885N	5.6045E	-90	From 2010-03-24
Zweisimmen Kirche, BE	SZWD2	Switzerland	46.5514N	7.3714E	966	From 2016-05-01
Zwiefalten, Hayingen-Wimsen	ZWI	Baden-Wurttemberg,Germany	48.2561N	9.4481E	560	From 2017-01-01
Zyfflich	NE41	Nordrhein-Westfalen,Germany	51.8239N	5.9745E	13	
Zyryanka	ZYR	Sakha,Russia	65.7200N	149.8200E	120	From 1981-10-01 to 1991-12-15
	SA28	South Africa,South Africa	27.8982S	28.0656E	1600	From 1998-05-19 to 1999-12-31
	SA27	South Africa,South Africa	27.8625S	27.2943E	1400	
	SA26	South Africa,South Africa	27.5456S	26.1803E	1300	
	SA25	South Africa,South Africa	27.8459S	25.1259E	1253	
	SA24	South Africa,South Africa	27.8833S	24.2365E	1244	
	SA23	South Africa,South Africa	27.9304S	23.4046E	1612	
	SA22	South Africa,South Africa	27.9662S	22.0091E	1076	
	SA20	South Africa,South Africa	29.0221S	26.1953E	1400	
	SA19	South Africa,South Africa	28.9056S	24.8328E	1200	
	SA18	South Africa,South Africa	28.6328S	24.3056E	1102	
	SA17	South Africa,South Africa	28.9321S	23.2257E	1249	
	SA169	South Africa,South Africa	22.2623S	29.2134E	618	
	SA16	South Africa,South Africa	28.9503S	22.1951E	1026	
	SA155	South Africa,South Africa	22.8786S	28.3402E	900	
	SA15	South Africa,South Africa	29.9038S	25.0323E	1400	From 1998-05-20 to 1999-12-31
	SA14	South Africa,South Africa	29.8682S	24.0226E	1200	
	SA139	South Africa,South Africa	25.8519S	26.2662E	1600	
	SA13	South Africa,South Africa	29.9788S	23.1396E	1047	
	SA12	South Africa,South Africa	29.8486S	22.2533E	1125	
	SA11	South Africa,South Africa	29.9650S	20.9466E	1066	
	SA10	South Africa,South Africa	30.9724S	23.9136E	1400	From 1998-07-18 to 1999-12-31
	SA09	South Africa,South Africa	30.9221S	22.9861E	1200	From 1998-04-23 to 1999-12-31
	SA08	South Africa,South Africa	31.9103S	22.0729E	1387	
	SA07	South Africa,South Africa	31.9776S	20.2262E	1277	
	SA05	South Africa,South Africa	32.6050S	21.5350E	800	From 1998-04-09 to 1999-12-31
	SA04	South Africa,South Africa	32.8500S	19.6206E	1200	From 1998-04-11 to 1999-12-31
	SA03	South Africa,South Africa	33.6619S	21.3354E	500	From 1998-05-09 to 1999-12-31
	SA02	South Africa,South Africa	33.7351S	20.2663E	500	From 1998-07-03 to 1999-12-31
	SA01	South Africa,South Africa	34.2945S	19.2460E	220	
	KIBOT	Kenya,Tanzania	2.2557S	37.7299E	975	
	KOMO	Tanzania,Tanzania	3.8422S	36.7192E	1114	
	TARAT	Tanzania,Tanzania	3.8892S	36.0163E	1268	
	TDG01	Texas,U.S.A.	31.3776N	103.2711W	787	
	BASOT	Tanzania,Tanzania	4.3238S	35.1382E	1694	
	SNGT	Tanzania,Tanzania	4.6403S	34.7315E	1462	
	PUGE	Tanzania,Tanzania	4.7145S	33.1842E	1350	
	TPB14	Texas,U.S.A.	31.1293N	103.1511W	807	
	GOMAT	Tanzania,Tanzania	4.8392S	29.6927E	880	
	MBWE	Tanzania,Tanzania	4.9610S	34.3462E	1100	
	URAM	Tanzania,Tanzania	5.0878S	32.0832E	1120	
	MTORT	Tanzania,Tanzania	5.2508S	35.4007E	1100	
	HALET	Tanzania,Tanzania	5.3018S	38.6170E	230	
	KIBE	Tanzania,Tanzania	5.3775S	37.4763E	997	
	TPB18	Texas,U.S.A.	31.2008N	103.1996W	825	
	TPB21	Texas,U.S.A.	31.3419N	103.0622W	753	
	TSN09	Texas,U.S.A.	32.6730N	100.7394W	663	
	ZIMR	Romania	43.6572N	25.3652E	74	
	AMRG	Georgia,Georgia	42.5156N	43.1369E	614	
	TSN10	Texas,U.S.A.	33.0492N	100.7239W	658	
	Y766	Sakha,Russia	72.2874N	126.1890E	30	
	Y863	Sakha,Russia	71.5786N	129.0990E	98	
	MITU	Tanzania,Tanzania	6.0192S	34.0560E	1566	
	BB32	South Africa,South Africa	28.8146S	24.9778E	2006	From 1998-12-14 to 1999-07-02
	Y453	Sakha,Russia	70.8488N	130.8800E	100	
	TPB17	Texas,U.S.A.	30.9967N	103.1518W	734	
	TDG03	Texas,U.S.A.	31.3886N	103.4842W	830	
	Y860	Sakha,Russia	71.8116N	129.3310E	33	
	SEMM	Mongolia	47.5600N	106.9800E	1700	From 1994-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
	ALFM	Mongolia	47.9900N	106.7800E	1560	From 1995-09-01
	UGDM	Mongolia	47.6400N	107.4000E	1894	From 1994-10-01
	IVGM	Mongolia	47.4000N	106.5700E	1900	From 1994-10-01
	ARTM	Mongolia	47.9300N	107.2700E	2008	From 1994-10-01
	TPB30	Texas,U.S.A.	31.2804N	103.3227W	829	
	DIC	Ivory Coast	6.2083N	4.9892W		
	DWK	Meghalaya,India	25.1867N	92.0227E		
	JYSA	Finland	62.7700N	24.8700E		
	LUK	Luzon,Philippines	14.1200N	121.5170E	500	
	MGDM	Mongolia	48.2800N	102.9400E		
	UNTM	Mongolia	49.1400N	102.9200E		
	LUTC	Czech Republic	49.8840N	18.4160E		
	SANZ	El Salvador	13.5577N	88.5228W	310	
	MUMZ	El Salvador	13.5555N	88.4792W	410	
	ZAPC	Czech Republic	49.8320N	18.4280E		
	SA77	Zimbabwe,South Africa	20.7557S	30.9191E	576	
	KLSI	Sumatera,Indonesia	4.6900S	104.7300E	81	
	HQLS	Saudi Arabia,Saudi Arabia	29.3003N	35.0622E	543	
	TPTI	Sumatera,Indonesia	3.2600N	97.1800E	9	
	TPB28	Texas,U.S.A.	31.6686N	104.5008W	1204	
	JORD	New York,U.S.A.	44.3400N	74.6100W		
	CMPA	Pennsylvania,U.S.A.	40.3500N	76.0100W		
	WHR	Nevada,U.S.A.	40.0400N	118.3600W	0	
	WMD	California,U.S.A.	37.4400N	118.6400W	0	
	MRYT	Montserrat	16.7038N	62.1532W	355	
	MGAT	Montserrat	16.7102N	62.1887W	479	
	MDUM	Montserrat	16.7000N	62.1667W	1000	
	MCPZ	Montserrat	16.7068N	62.1812W	759	
	MBSS	Montserrat	16.6870N	62.1603W	395	
	MBMH	Montserrat	16.7763N	62.1925W	270	
	MBGE	Montserrat	16.6900N	62.1937W	183	
	MBGA	Montserrat	16.7102N	62.1887W	479	
	FPK	Nevada,U.S.A.	39.2200N	118.1500W	0	
	TMB07	Texas,U.S.A.	32.0006N	102.2528W	880	
	QRHJ	Jordan	29.6850N	35.3220E	810	
	MZVM	Mexico D.F.,Mexico	19.1892N	99.2293W		
	H06S	Colima,Mexico	18.7300N	110.9600W	10	
	CHOC	Czech Republic	49.7690N	18.5610E		
	XTAL	Ecuador	0.2020S	78.6688W	2040	
	HSFG	Egypt	26.5675N	33.9292E	170	
	H06E	Colima,Mexico	18.7800N	110.9200W	10	
	GDLC	Jalisco,Mexico	20.6827N	103.3775W	1577	
	YOBS	Saudi Arabia,Saudi Arabia	24.3578N	38.7424E	372	
	WJHS	Saudi Arabia,Saudi Arabia	26.7318N	36.3944E	195	
	SLWS	Saudi Arabia,Saudi Arabia	24.7978N	50.6437E	75	
	SHMS	Saudi Arabia,Saudi Arabia	21.4485N	39.6907E	252	
	SHBS	Saudi Arabia,Saudi Arabia	21.0046N	39.6829E	182	
	RSHS	Saudi Arabia,Saudi Arabia	28.2997N	34.7968E	280	
	LYLS	Saudi Arabia,Saudi Arabia	22.0384N	47.2447E	460	
	EZ5V	Colima,Mexico	19.4792N	103.6022W	2180	
	JLOS	Saudi Arabia,Saudi Arabia	28.7351N	35.4916E	1320	
	CGIG	Mexico D.F.,Mexico	30.3652N	107.9773W	1524	
	HRDDS	Saudi Arabia,Saudi Arabia	22.9272N	49.4616E	150	
	FDAS	Saudi Arabia,Saudi Arabia	21.8336N	40.3588E	200	
	BTHS	Saudi Arabia,Saudi Arabia	24.0459N	50.8460E	89	
	BOQSS	Saudi Arabia,Saudi Arabia	25.8689N	49.3758E	210	
	ASYS	Saudi Arabia,Saudi Arabia	27.5046N	44.3412E	580	
	HSIG	Mexico D.F.,Mexico	29.0196N	110.9490W	250	
	Y452	Sakha,Russia	71.4175N	128.7240E	164	
	HPIG	Mexico D.F.,Mexico	26.9352N	105.6655W	1786	
	LBOS	Yemen	13.8710N	45.2490E	2325	
	THIG	Chiapas,Mexico	14.9077N	92.2652W	15	
	URCR	Colombia	1.2195N	77.3432W	3494	
	PUYI	Colombia	1.2977N	77.3230W	2370	
	PLAZ	Colombia	1.2593N	77.2790W	3000	
	OLGA	Colombia	1.2243N	77.3537W	4100	
	NAR2	Colombia	1.2688N	77.3687W	2870	
	LOEW	Colombia	1.3537N	77.3780W	2350	
	Y451	Sakha,Russia	71.5762N	129.0680E	139	
	COB3	Colombia	1.1890N	77.3473W	3625	
	ANVZ	Colombia	1.2220N	77.3530W	4170	
	ASUT	Egypt	27.3967N	31.5626E	240	
	ACVZ	Colombia	1.2270N	77.3588W	1470	
	Y765	Sakha,Russia	72.0750N	128.3250E	35	
	Y778	Sakha,Russia	71.0630N	130.1620E	16	
	FG6	Guatemala	14.5600N	90.8828W	2500	
	Y458	Sakha,Russia	71.4015N	129.4080E	13	
	Y457	Sakha,Russia	71.5739N	129.0810E	136	
	TGIG	Chiapas,Mexico	16.7782N	93.1222W	612	
	CHI2	Colombia	4.6439N	73.7400W	3100	
	DARB	Saudi Arabia	17.7400N	42.2400E	0	
	BAR1	Costa Rica,Costa Rica	9.2422N	83.3117W	530	
	HUEN	Managua,Nicaragua	12.3375N	86.1722W	50	
	PKSG	Hungary	47.3918N	18.3907E	200	
	ETYK	Hungary	47.4403N	18.7448E	248	
	MTAN	Tanzania,Tanzania	7.9073S	33.3203E	1393	
	PCIG	Chiapas,Mexico	15.7047N	93.2188W	5	
	Y773	Sakha,Russia	72.3782N	126.4800E	100	
	Y617	Sakha,Russia	71.5743N	129.0650E	119	
	R15V	Colima,Mexico	19.1700N	103.9830W	632	
	ORGA	Alberta,Canada	49.5539N	114.1008W	1257	
	HQSR	Egypt	25.7554N	34.3871E	168	
	EGS	Taiwan region	24.8450N	121.9320E	2	
	RSH	Egypt	30.9600N	33.7220E	240	
	Y769	Sakha,Russia	71.5636N	128.9570E	100	
	Y770	Sakha,Russia	72.3814N	126.5110E	100	
	NISS	Serbia	43.4035N	21.9474E	782	From 2006-04-05 to 2008-07-23
	Y613	Sakha,Russia	71.5762N	129.0780E	131	
	Y772	Sakha,Russia	72.1173N	126.9820E	54	
	QEN	Egypt	26.2237N	32.8496E	333	
	Y610	Sakha,Russia	71.5819N	129.0490E	109	
	Y771	Sakha,Russia	71.3261N	125.7600E	34	
	HCAT	Egypt	28.7750N	33.9790E	410	
	BC03	Alaska,U.S.A.	63.0656N	141.7851W		
	AL35	Alaska,U.S.A.	64.9447N	147.8595W		
	BIAC	Colombia	3.2913N	76.1973W		
	IL31	Alaska,U.S.A.	64.7714N	146.8866W		
	Y455	Sakha,Russia	71.5778N	130.0040E	100	
	HQRM	California,U.S.A.	36.8337N	121.2127W		
	JPSM	California,U.S.A.	37.1990N	122.3483W		
	IM03	Alaska,U.S.A.	65.9835N	153.7491W		
	NT-	Nevada,U.S.A.	37.2758N	116.4183W		
	NMCM	California,U.S.A.	35.8428N	117.9048W		
	NGVM	California,U.S.A.	38.2807N	122.2148W		
	NFRM	California,U.S.A.	38.5227N	123.1610W		
	NE25	Spain	40.8206N	0.4933E		
	NE23	Spain	41.4164N	2.1250E		
	NE22	Spain	36.7275N	4.4111W		
	NE20	Spain	36.8525N	2.4598W		
	Y774	Sakha,Russia	71.3888N	126.4880E	100	
	NE19	Spain	42.4578N	2.5032W		
	HADB	Egypt	25.3510N	34.6238E	187	
	PRSC	Czech Republic	49.0150N	18.5540E	0	
	SALTA	Argentina,Argentina	24.2241S	66.3400W	4000	
	SWA2	Egypt	29.2432N	25.4556E	45	
	SWA1	Egypt	29.2632N	25.7098E	48	
	UB0M	Mongolia	47.9600N	105.9360E	1360	From 2010-05-01 to 2012-07-01
	UB9M	Mongolia	47.8670N	106.7370E	1250	From 2009-06-01 to 2010-03-01
	UB8M	Mongolia	47.5700N	106.3120E	1331	From 2009-05-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
	MO8M	Mongolia	47.5700N	106.3120E	1331	From 2008-12-01 to 2009-06-01
	UB7M	Mongolia	47.5330N	106.6110E	1474	From 2010-04-01
	MO7M	Mongolia	47.4380N	106.6030E	1543	From 2008-12-01 to 2009-05-01
	UB6M	Mongolia	48.3150N	106.8140E	1233	From 2009-03-01
	AL34	Alaska,U.S.A.	64.9100N	147.4464W		
	UB5M	Mongolia	47.8190N	106.7820E	1389	From 2009-06-01
	MO5M	Mongolia	47.6100N	105.8680E	1259	From 2008-12-01 to 2009-06-01
	UB4M	Mongolia	47.8150N	106.6080E	1209	From 2008-12-01
	UB3M	Mongolia	47.6930N	105.9410E	1311	From 2009-07-01
	UB2M	Mongolia	48.0190N	106.4430E	1455	From 2009-08-01
	UB1M	Mongolia	47.9230N	106.5870E	1376	From 2009-05-01
	CSAN	Managua,Nicaragua	12.1833N	86.4222W	50	
	DZBM	Mongolia	43.8140N	104.5010E	1557	From 2010-01-01
	BMK*	Morocco	34.6590N	2.9340W		
	BC3*	Alaska,U.S.A.	63.0656N	141.7851W		
	IL01	Alaska,U.S.A.	64.7716N	146.8861W		
	NT2	Nevada,U.S.A.	37.2533N	116.2858W		
	NSPM	California,U.S.A.	38.1827N	122.4533W		
	NLNM	California,U.S.A.	38.1525N	122.7125W		
	NE33	Belgium	50.6092N	6.0066E		
	NE24	Spain	38.3553N	0.4873W		
	NE21	Portugal	40.3997N	7.5442W	815	
	SA76	Zimbabwe,South Africa	20.6361S	29.8464E	978	
	AWBH	Egypt	28.3208N	28.9038E	185	
	Y868	Sakha,Russia	71.5687N	129.0970E	120	
	STKZ	Karabakh	39.8126N	46.7520E	770	
	Y867	Sakha,Russia	71.9293N	127.3130E	23	
	TBS2	Panama	8.7933N	82.6569W	1397	
	EPCH	Peru	6.0090S	79.6850W	720	
	EMPA	Peru	6.6630S	79.4430W	500	
	HCA	Peru	5.5830S	79.4330W		
	RUNG	Tanzania,Tanzania	6.9372S	33.5180E	1230	
	SA73	Zimbabwe,South Africa	21.8537S	30.2776E	590	
	SA74	Zimbabwe,South Africa	21.9230S	30.9357E	487	
	SA71	Botswana,South Africa	20.9258S	27.1408E	1072	
	SA75	Zimbabwe,South Africa	20.8601S	28.9991E	971	
	GOLR	Romania	44.8399N	24.9629E	301	
	GHRR	Romania	46.0605N	27.4080E	212	
	GALR	Romania	43.8275N	28.5751E	56	
	HLS	Peru	8.8470S	77.8890W		
	ECALA	Colombia	1.2138N	77.4226W	2353	
	FULR	Romania	44.8877N	26.4419E	114	
	DRGR	Romania	46.7916N	22.7111E	921	
	VOIR	Romania	45.4371N	25.0496E	969	
	VARR	Romania	45.8802N	27.8570E	233	
	TUDR	Romania	45.5939N	27.6687E	66	
	SA82	South Africa,South Africa	30.9771S	22.2466E	1452	
	SA81	South Africa,South Africa	30.9251S	21.2681E	1270	
	SA80	Zimbabwe,South Africa	19.9593S	31.3179E	1064	
	SA79	Zimbabwe,South Africa	20.0211S	30.5173E	1078	
	SA78	Zimbabwe,South Africa	19.4671S	30.7723E	1401	
	KMST	Turkey	37.5239N	36.9936E	670	
	TLCR	Romania	45.1861N	28.8150E	73	
	SULR	Romania	44.6785N	26.2551E	73	
	SIRB	Romania	45.4801N	26.2616E	512	
	SECR	Romania	45.0355N	26.0676E	417	
	TPB29	Texas,U.S.A.	31.7530N	104.5145W	1242	
	OZUR	Romania	46.0957N	25.7864E	674	
	LUCR	Romania	44.9737N	27.1011E	91	
	LTRR	Romania	45.4284N	23.7584E	1418	
	HADR	Romania	47.0106N	27.4301E	435	
	GRER	Romania	45.3801N	26.9746E	276	
	SA70	Botswana,South Africa	21.0883S	26.3352E	990	
	SA69	South Africa,South Africa	22.3047S	29.2661E	651	From 1997-10-10 to 1999-12-31
	SA68	Botswana,South Africa	21.9504S	28.1878E	737	
	SA67	Botswana,South Africa	21.8859S	27.2736E	913	
	SA66	Botswana,South Africa	21.9005S	26.3727E	1057	
	SA65	Botswana,South Africa	22.8183S	27.2218E	907	
	SA64	Botswana,South Africa	22.9694S	26.2017E	1151	
	SA63	Botswana,South Africa	23.6583S	26.0820E	1008	
	SA62	Botswana,South Africa	24.8505S	25.1350E	1214	
	SA61	Botswana,South Africa	23.9481S	24.0220E	1069	
	SA60	Botswana,South Africa	23.8519S	24.9594E	1043	
	SA59	Botswana,South Africa	24.8373S	24.4640E	1137	
	SA58	South Africa,South Africa	23.5179S	31.3973E	356	From 1998-10-15 to 1999-12-31
	SA57	South Africa,South Africa	22.9811S	30.0202E	787	
	SA56	South Africa,South Africa	23.0059S	29.0743E	909	
	SA55	South Africa,South Africa	22.9800S	28.2981E	918	
	SA54	South Africa,South Africa	23.7288S	30.6680E	500	From 1998-06-26 to 1999-12-31
	SA53	South Africa,South Africa	24.1134S	29.3328E	1300	From 1998-05-28 to 1999-12-31
	SA52	South Africa,South Africa	23.7983S	28.8970E	1321	From 1997-04-24 to 1999-12-31
	SA51	South Africa,South Africa	23.8628S	28.1567E	1233	
	SA50	South Africa,South Africa	23.8722S	27.1662E	976	
	SA49	South Africa,South Africa	24.9597S	30.3091E	0	From 1998-07-29 to 1999-12-31
	SA48	South Africa,South Africa	24.8948S	29.2163E	1000	
	SA47	South Africa,South Africa	24.8469S	28.1618E	1153	
	SA46	South Africa,South Africa	24.8382S	27.1092E	1037	
	SA45	South Africa,South Africa	24.8792S	26.1644E	1015	
	SA44	South Africa,South Africa	26.0321S	30.9022E	1000	From 1998-05-28 to 1999-12-31
	SA43	South Africa,South Africa	25.7868S	30.0669E	1800	From 1998-11-26 to 1999-12-31
	SA42	South Africa,South Africa	25.6650S	29.2223E	1500	From 1998-05-27 to 1999-12-31
	SA40	South Africa,South Africa	25.8981S	27.1490E	1512	
	SA39	South Africa,South Africa	25.8952S	26.1514E	1545	
	SA38	South Africa,South Africa	25.9334S	25.0846E	1219	
	SA37	South Africa,South Africa	25.9705S	23.7212E	1142	
	SA36	South Africa,South Africa	26.8771S	30.1249E	1600	
	SA35	South Africa,South Africa	27.0183S	29.0883E	1600	
	SA34	South Africa,South Africa	26.8000S	28.1000E	1500	
	SA33	South Africa,South Africa	26.8986S	27.1793E	1400	
	SA32	South Africa,South Africa	26.8655S	26.2845E	1380	
	SA31	South Africa,South Africa	26.9952S	25.0209E	1348	
	SA30	South Africa,South Africa	27.0715S	24.1651E	1361	
	SA29	South Africa,South Africa	26.9317S	23.0349E	1120	

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION CODE

Code	*Station Name*	*Other*
034A	Hebbronville	
035A	Encino	
035Z	Hargill	
058A	Arcadia	
059A	Moore Haven	
059Z	Ave Maria	
060A	Indiantown	
060Z	West Palm Beach	
061Z	Ochoppi	
062Z	Marathon	
109C	Camp Elliot, Miramar	
112A	Yuma	
113A	Mohawk Valley, Roll	
114A	Black Gap (USAF), Gila Bend	
115A	Sonoran Desert, Stanfield	
116A	Eloy	
117A	Oracle	
118A	Homack Ranch, Wilcox	
119A	Ashpeak Ranch, Duncan	
120A	U Bar Ranch, Lordsburg	
121A	Cookes Peak, Deming	
122A	Conniff Cattle Co., Rinco	
123A	Bell Site, White Sands Missile Range	
124A	Stringfield Ranch, Weed	
125A	Gardner Draw, Artesia	
126A	Clayton Basin, Artesia	
127A	Arkansas Junction, Hobbs	
128A	Castleberry Farm, Seminole	
129A	Stewart Farms, Lamesa	
130A	Snyder	
131A	Roby	
133A	Hamilton Ranch, Breckenridge	
134A	White-Moore Ranch, Lipan	
135A	Vickery Place, Crowley	
136A	Ennis	
137A	Heron Place, Grans Saline	
138A	Matatall Enterprise, Big Sandy	
139A	Bunkhouse Ranch, Marshall	
140A	Cam and Jess, Hughton	
141A	Papa Simpson, Farm, Arcadia	
142A	Monroe	
143A	Socs Landing, Pioneer	
144A	Alexander Place, Bentonia	
145A	Houston Renfrow, Canton	
146A	Union	
147A	Livingston	
148A	Greensboro	
149A	Jones	
150A	Eclectic	
151A	Opelika	
152A	Waverly Hall	
153A	Fort Valley	
154A	Montrose	
155A	Kite	
156A	Sylvania	
157A	Early Branch	
158A	Hollywood	
214A	Organ Pipe National Monument, Ajo	
216A	Three Points, Tucson	
217A	Green Valley	
218A	Dragoon	
219A	White Tail Canyon, San Simon	
220A	Playas Peak, Playas	
221A	Mesquite Ranch, Deming	
222A	Williams Family Ranch, Las Cruces	
223A	Chaparral, Anthony	
224A	Cornudas Mountain, Dell City	
225A	Deer Hill, Carlsbad	
226A	Malaga, Loving	
226B	Tecolote Peak, Malaga	
227A	Bennet, Jal	
228A	UT Block 9, Goldsmith	
229A	Bryant Ranch, Stanton	
230A	Sterling City	
231A	Bronte	
232A	Coleman	
233A	Rising Star	
234A	Clairette	
236A	Katherine and Luke Keathley, Corsicana	
237A	Washetta, Montalba	
238A	Jacksonville	
239A	Gary	
240A	Hunter Patterson, Mansfield	
241A	Mo Tay, Goldonna	
242A	Grayson	
243A	Waterproof	
244A	Avery, Jackson	
245A	Little AP, Star	
246A	Jackson Lee, Bay Springs	
247A	Quitman	
248A	Dixon Mills	
249A	Camden	
250A	Grady	
251A	Midway	
252A	Lumpkin	
253A	Americus	
254A	Abbeville	
255A	Hazlehurst	
256A	Glennville	
257A	Skidaway Island, Savannah	
2RIO	Dos Rios de Upala	
318A	Bisbee	
319A	Douglas	
320A	Kipp Ranch, Antelope Well	
324A	Moseley Ranch, Sierra Blanca	
325A	Bean Ranch, Sierra Blanca	
326A	Caldwell Ranch, Toyah	
327A	Balmorhea Ranch, Pecos	
328A	Wristen Ranch, Grandfalls	
329A	Wagon Wheel Ranch, Midkiff	
330A	Mertzon	
331A	San Angelo	
332A	Millersview	
333A	Richland Springs	
334A	Lometa	
335A	Moody	
336A	Riesel	
337A	Centerville	
338A	Crockett	
339A	Huntington	
340A	Bronson	
341A	Kurthwood	
342A	Flagon Creek Properties, Pineville	
342B	Flagon Creek Properties, Pineville	
343A	Vidalia	
344A	Westbrook Farm, Meadville	
345A	Thompson Farm, Foxworth	
346A	Big Creek Wildlife, Hattiesburg	
347A	Saraland	
348A	Jackson	
349A	Repton	
350A	Dozier	
351A	Pinckard	
352A	Blakely	
353A	Camilla	
355A	Pearson	
356A	Blackshear	
357A	Townsend	
425A	Indio Mountain, Van Horn	
426A	McDonald Observatory, Fort Davis	
427A	Hayter Ranch, Fort Stockton	
428A	Kincaid Ranch, Fort Stockton	
429A	Davenport Ranch, Sheffield	
430A	Baggett Ranch, Ozona	
431A	Sonora	
432A	Menard	
433A	Art	
434A	Burnet	
435A	Jarrell	
435B	Jarrell	
436A	Wall Ranch, Gause	
437A	Phantom Ranch, North Zulch	
438A	Sam Houston State University, Huntsville	
439A	Center Grove, Livingston	
440A	Kirbyville	
441A	DeRidder	
442A	Mamou	
443A	Delano Plantation, Melville	
444A	Pine Grove	
445A	Amite	
446A	Poplarville	
447A	Lucedale	
448A	Bay Minette	
449A	Pace	
450A	Crestview	
451A	Vernon	
452A	Marianna	
453A	Whigham	
454A	Quitman	
455A	Stateville	
456A	Hilliard	
457A	Yulee	
5053	Calexico	
5054	Holtville Bonds Crnr Olima	
526A	Mary Lane Ranch, Marfa	
5271	Bombay Beach	
527A	Woodward Ranch, Alpine	
528A	Cox Ranch, Sanderson	
529A	Stev Forest Ranch, Sanderson	
530A	J-C Ranch, Comstock	
531A	Rocksprings	
532A	Rocksprings	
533A	Kerrville	
534A	Blanco	
535A	Dale	
536A	Bastrop	
537A	Green Hill Farm, Brenham	
538A	Harpers Horsepen, Conroe	
539A	Cross D Ranch, Liberty	
540A	Vidor	
541A	Lake Charles	
542A	Morse	
543A	St. Martinville	
544A	White Castle	
545A	Edgard	
545B	Wilberts Farm, Edgard	
546A	Slidell	
552A	Lynn Haven	
553A	Crawfordville	
554A	Perry	
555A	McAlpin	
556A	Lake Butler	
557A	Orange Park	
626A	Big Bend Ranch, Presidio	
627A	Terlingua Ranch, Terlingua	
628A	Black Gap, Marathon	
631A	Perdido Creek Ranch, Del Rio	
632A	Uvalde	
633A	Saathoff Ranch, Hondo	
634A	China Grove, San Antonio	
635A	Leesville	
636A	Smothers Creek Ranch, Hallettsville	
637A	Eagle Lake	
638A	Rosharon	
645A	Chauvin	
646A	Port Sulphur	
655A	Horseshoe Beach	
656A	Willston	
657A	Interlachen	
658A	Bunnell	
732A	Laxson Ranch, Crystal City	
733A	Divot King Ranch, Dilley	
734A	La Parita Creek, Jourdanton	
735A	Kenedy	
736A	Circle Diamond K Ranch, Victoria	
737A	Port Lavaca	
738A	Farr-Stevens Ranch, Sargent	
757A	Oxford	
758A	Lake Helen	
832A	Faith Ranch, Carrizo Springs	
833A	Chaparral WMA, Artesia Wells	
834A	Tilden	
835A	Beeville	
857A	Zephyrhills	
858A	St. Cloud	
859A	Kempfer Cattle CO., St. Cloud	
933A	Laredo	
934A	Benavides	
936A	North Padre Island, Corpus Christi	
957A	Wimauma	
958A	Wauchula	
959A	Okeechobee	
A001	Piccione	
A001A	Falkenstein	
A002A	Strasshof	
A002B	Bockfliess	
A003A	Andau	
A004	Sigillo	
A004A	Ebreichsdorf	
A005A	Schmida	
A005B	Stockerau	
A006A	Kleinriedenthal	
A007A	Messern	
A008A	Tiefenfucha	
A009A	Wartmannstetten	
A01	A01	
A010A	Fuerstenfeld	
A011A	Rohrbach	
A011B	Reinberg	
A012A	Langenwang	
A013A	Umbach	
A014A	Thumling	
A015A	Langauhaeuser, Niederoesterreich	
A016A	Allerheiligen	
A017A	Waidhofen	
A018A	Rothwald	
A019A	Kaintal	
A02	A02	
A020A	Lannach	
A021A	Deutsch Goritz	
A022A	Hirschenstein, Niederoesterreich	
A023A	Baumgartsaur, Oberoesterreich	
A024A	Marchtrenk	
A024B	Sipbachzell	
A025A	Baerendorf, Steiermark	
A026A	Unterfahrungsstollen, Kaernten	
A027A	Holzern, Kaernten	
A028A	Falkendorf, Steiermark	
A029A	Rabinger, Steiermark	
A030A	Steinbach	
A031A	Wolfsedt, Oberoesterreich, Austria	
A032A	Johann am Walde	
A033A	Bluehnbach	
A034A	Stadlberg, Tirol	
A035A	Wasserfallboden	
A036A	Aschau i T	
A037A	Kartellspeicher, Verwall	
A038A	Kramsach, Tirol	
A04	A04	
A04A	Legoe Bay, Lummi Island	
A04D	Lummi Island	
A05	A05	
A050A	Klekovaca	
A051A	Mrakovica	
A052A	Srbac	
A05A	Maple Falls	
A06	A06	
A060A	Wasen, Napf, BE	
A060B	Romoos, Napf, BE	
A061A	Innerthal, SZ	
A062A	Arbedo Castione, Alpe di Gesero, TI	
A06A	Chilliwack	
A07	A07	
A071A	Stare Sedliste	
A072A	Chudenice	
A073A	Manetin	
A074A	Kozel	
A075A	Krivoklat	
A076A	Makova Hora	
A077A	Kestrany	
A078A	Klet	
A079A	Drachov	
A07A	Ashnola River, Keremeos	
A08	A08	
A080A	Loreta	
A081A	Dobrichov	
A082A	Zivanice	
A083A	Cachotin	
A084A	Bitov	
A085A	Strazek	
A086A	Nove Hrady	
A087A	Bouzov	
A088A	Tovacov	
A089A	Nesovice	
A08A	Turner Farm, Oroville	
A09	A09	
A090A	Maruska	
A09A	Danville	
-A0MA	Subarray A0 LASA	
A10	Crater	
A100A	Rottenburg, Weiler	
A101A	Rottweil, Deisslingen	
A101B	Rottweil, Deisslingen 2	
A102A	Sigmaringen, Junganu	
A103A	Ravensburg, Horgenzell	
A103B	Ravensburg, Schmalleg	
A103D	Ravensburg, Wasserhochbh2	
A104A	Biberach, Stafflangen	
A104B	Biberach, Stafflangen 2	
A104C	Biberach, Ahlen	
A105A	Obersdorf, Schattenberg	
A106A	Goeppingen, Maitis	
A106B	Goeppingen, Maitis	
A107A	Memmingen, Holzguenz	
A107B	Memmingen2	
A107C	Memmingen - Eisenburg	
A108A	Ulm, Ringingen	
A109A	Bad Urach, Seeburg	
A10A	Northport	
A10E	A10E	
A11	Saint Roch-des-Aulnaies	
A110A	Ernsthofen	
A111A	Volkach	
A112A	Rupperstecken	
A113A	Birkenau	
A114A	Preunschen	
A115A	Bad Rappenau	
A116A	Ravenstein	
A117A	Grosserlach	
A118A	Schrozberg	
A119A	Rosenberg	
A11A	Hall Mountain, Copeland	
A11E	A11E	
A12	A12	
A121B	Sulzburg	
A122A	Schmieheim	
A123A	Kehl	
A124A	Enzkloesterle	
A126A	Durlach TMO44	
A127A	Annweiler Trifels TMO65	
A128A	Planckstadt TMO26	
A12A	Yaak River Ranch, Troy	
A13	A13	
A13A	Flathead National Forest, Polebridge	
A14	A14	
A140A	Vorderriss, Lenggries, Bavaria	
A141A	Hausham, Bavaria	
A143A	Bad Bayersoien, Bavaria	
A144A	Forsting, Bavaria	
A145A	Herrenchiemsee, Bavaria	
A146A	Eggstetten, Simbach am Inn, Bavaria	
A147A	Johanniskirchen, Bavaria	
A147B	Fabach, Johanniskirchen, Bavaria	
A148A	Johannesbrunn, Gerzen, Bavaria	
A148B	Wimm, Aham, Bavaria	
A14A	Double T Ranch, Babb	
A15	A15	
A157A	Serqueux, 52470, Haute-Marne	
A158A	Haudompre, 88088 La Chapelle-aux-Bois, Vosges, Lorraine	
A15A	Johnson Ranch, Cut Bank	
A16	Riviere Ouelle	
A163A	Tart-Le-Haut, 21623,	
A164A	Fourg, 25253, Doubs,	
A16A	West Butte Ranch, Sweetgrass	
A16E	A16E	
A17	A17	
A173A	Vacheresse, 74286, Haute-Savoie, Auvergne-Rhone-Alpes	
A178A	Lathuile, 74147, Haute-Savoie, Auvergne-Rhone-Alpes	
A17A	Triple J Farms, Joplin	
A18	A18	
A184A	Saint Michel d-Aurance, 07276, Ardeche, Auvergne-Rhone-Alpes	
A185A	Peyrins, 26231, Drome, Auvergne-Rhone-Alpes	
A186A	Chichilianne, 38103, Isere, Auvergne-Rhone-Alpes	
A188A	Saint Laurent les bains, 07262, Ardeche, Auvergne-Rhone-Alpes	
A18A	Metzger Ranch, Havre	
A19	A19	
A192A	Valvigneres, 07332, Ardeche, Auvergne-Rhone-Alpes	
A193A	Nyons, 26220, Drome, Rhone-Alpes	
A194A	Meolans-Revel, 04161, Alpes-de-Haute-Provence	
A199A	Bergerie de la Roque, 34343, Viols le Fort, Herault	
A19A	Klindworth Farms, Hogeland	
A19K	Wainwright	
A20	A20	
A200A	Mas Saint Remy, 30006, Aimargues	
A201A	Marais du Vigueirat, 13004, Arles, Bouches-du-Rhone	
A202A	Domaine de Cadables, 34109, Gabian, Herault	
A204A	Roquefort la Bedoule, 13085, Bouches-du-Rhone	
A205A	Foret Domaniale des	

	Maures Clau de Barrau, 83071, La Londe-les-Maures
A206A	Radio balise VOR, 83065, Gassin, Var, Provence-Alpes-Cote d Azur
A208A	Marignana, 2A154, Corse-du-Sud, Corse
A209A	Venzolasca, 2B343, Haute-Corse, Corse
A20A	Cobblestone Ranch, Loring
A21	Saint Andre
A210A	Manonville, 54348, Meurthe-et-Moselle,
A211A	Xaffevillers, 88527, Vosges,
A213A	Autrey-Les-Gray, 70041, Haute-Saone, Franche-Comte
A214A	Chassal, 39113, Jura,
A215A	Commelle, 38121, Isere, Rhone-Alpes
A216A	Montmorin, 05088, Hautes-Alpes, Provence-Alpes-Cote d Azur
A217A	Le Caire, 04037, es-de-Haute-Provence, e, Provence-Alpes-Cote d Azur
A21A	Bergtoll Ranch, Theony
A21E	A21E
A21K	Barrow
A22A	Carney Farms, Richland
A22K	Sinclair Lake
A23A	Redstone
A24A	Westby
A250A	Rusevo Krmpotsko
A251A	Rujevac
A252A	Venje
A253A	Karojba, Istria
A254A	Petrova Gora
A255A	Hotnja, Vukomericke Gorice
A25A	Svangstu Ranch, Noonan
A260A	Vassurany
A261A	Ohid
A262A	Szaknyer
A263A	Hollad
A264A	Tarany
A265A	Kaposfured
A266A	Gyulaj
A267A	Kaloz
A268A	Rede
A269A	Baj
A26A	Wade Farm, Kenmare
A270A	Szokolya
A271A	Ivancsa
A272A	Blcske
A273A	Marcsa
A27A	Ledoux Ranch, Antler
A280A	Farigliano, Viaiano
A281A	Carmagnola
A282A	San Carlo Canavese
A283A	Tricerro
A283B	Tricerro
A284A	Costa De Nobili, Padulino
A285A	Lusurasco
A286A	Villa Reale - Cassolnovo
A287A	Gattinara, La Torre
A288A	Verbania, Casa dell Alpino - Cicogna
A289A	Bergamo, Funivia il Toro, Foppolo
A28A	Rude Farm, Bottineau
A290A	Bolzano, San Nicolo, Ultimo
A291A	Badia
A29A	Manning Farm, Rocklake
A300A	Muzzana del Turgnano (UD)
A301A	Isiata (VE)
A302A	Resana (TV)
A303A	Lido-Pellestrina (VE)
A304A	Bellombra (RO)
A305A	Porto Tolle (RO)
A306A	Viano (RE)
A307A	Bentivoglio (BO)
A308A	Longastrino (FE)
A309A	Martorano (FC)
A30A	Hoffart Farm, Langdon
A312A	Bozzolo (MN)
A313A	Volta Mantovana (MN)
A316A	Montecristo (LI)
A317A	Capraia (LI)
A318A	Donoratico (LI)
A319A	Santa Luce (PI)
A31A	Linda, St. Vincent
A32A	Rocking H Ranch, Lancaster
A33	A33
A331A	Zubak
A332A	Rudnianska
A333A	Gbely
A334A	Sterusy
A335A	Lovce
A336A	Medovarce
A337A	Vahovce
A338A	Semerovo
A339A	Balon
A33A	Warroad
A350A	Guttenberg
A351A	Priegendorf
A351B	Rudendorf
A352A	Bieberswoehr
A353A	Eichelberg
A354A	Zirndorf
A355A	Neunburg
A356A	Donaustauf
A357A	Rottenburg
A357B	Oberlauterbach
A358A	Raindorf
A359A	Niederharthausen
A360A	Altes Rathaus Auernheim
A361A	Wasserturm Kaisheim
A362A	Friedhof Schoenenfeld
A363A	Solarpark Todtenweis
A364A	Kloster Scheyern
A365A	Wasserwerk Schwabmuenchen
A366A	Wasserwerk Kaufbeuren
A367A	Bundeswehrkaserne Erding
A368A	Natogelaende Bechhofen
A369A	Schloss Sandsee - Pleinfeld
A36M	Sachs Harbour
A490	San Lazaro
A492	Arado
A494	Palo Verde
A495	El Viejo
A50	A50
A51	A51
A52	A52
A53	A53
A54	Misere
A54E	A54E
A61	Sainte Mathilde
A64	Saint Simeon
A70	A70
A71	A71
A72	A72
A80	A80
A82	A82
A83	A83
A84	A84
A85	A85
AA02	Valdichiascio
AA1	Alma-Ata AAA
AA2	Talgar TLG
AAA	Alma-Ata
AAB	Talgar TLG
AAC	Aachen
AADN	Adndan
AAE	Adis Abeba
AAFM	Alor Selatan
AAGR	Agrelo
AAHD	Abu Hadid
AAHN	Alcaldia de Achuapa
AAI	Ambon
AAIG	Aguscalientes
AA-IS	Atka
AAK	Ala-Archa
AAL	Aland
AALE	DHOFAR2 - YR, ALE
AALM	Campus Universitario de Almeria
AAM	Ann Arbor
AAM1	Ambato 1 (Municipio)
AAM2	Ambato 2 (Mercado Amrica)
AAMC	University of Michigan
AAMF	Ano Amfeia
AANG	Acelergrafo del Angel
AANI	Anillaco
AANS	Anshas
AAP	Anini-y
AAPN	Arroyo Pinares
AAR	Sfinta Ana
AARM	Airport Road
AARS	Acelerografo, Pichincha - Arasha
AAS	Arctowski Station
AASA	Agas
AASHO	DHOFAR2 - YR, ASHO
AASM	Arroyo Seco
AAT1	Ecuador-Atuntaqui-Hospital
AATC	cuador-Atacames-Perla del penion casa Sr. Alberto Acosta
AAU	Alta
AAUS	AfricaArray - AF
AB-	Amboy AB-WV
AB01	Akbulak array site
AB02	Akbulak array site
AB03	Akbulak array site
AB04	Akbulak array site
AB05	Akbulak array site
AB06	Akbulak array site
AB07	Akbulak array site
AB08	Akbulak array site
AB09	Akbulak array site
AB31	Akbulak array site
ABA	Alger-Bouzareah
ABA1	Baconsthorpe
ABAB	Ecuador-Universidad Tecnica de Babahoyo
ABAE	Abala
ABAH	Abaujker
ABAKI	Abakiliki
ABANO	DHOFAR2 - YR, BANO
ABAR	Abu 'Arish
ABAY	DHOFAR2 - YR
ABAZ	Army Bay
ABB	Abborrasen
ABC	Abeche
ABCN	Banco Central
ABD	La Joyeuse, Anse Bertrand
ABDR	Alto Bandera
ABE	Aberdeen
ABE2	San Pablo
ABEA	Nea Chora Chania
ABEH	Behbahan
ABEM	Aberfeldy
ABEMX	Ramos, ABE
ABEND	AfricaArray - ZP, BEND
ABERE	Bergile
ABF	Auke Bay
ABG	Abington
ABG1	Leinawald
ABGF	Abri du Galion
ABGH	ALIABAD KATOL
ABH	Alteburg
ABH1	Acelerografo, Manab - Baha Centro Casa Ing. Oswen Crespo
ABH2	Ecuador-Universidad Catolica Bahia de Caraquez
ABH3	Manabi, Bahia de Caraquez, Distrito de Educacion
ABHA	Abha
ABI	ADIBADRI
ABIR	Abomosa Island
ABJ	Abashiri
ABJ2	Abashiri 2
ABJF	Abjat-sur-Bandiat
ABJI	Asem Bagus
ABJM	Bob Jauregui Ranch
ABK	Abisko
ABKAR	Akbulak array
ABKD	Sidi Amar
ABKT	Ailbek
ABL	Mount Abel
ABLV	Afar, BLV
ABM	Ambohimiarambe
ABMC	Merrill Creek
ABMD	Abulta/Almeha
ABMS	Boumerdes
ABN	Auburn
ABNA	Allensteig Bunker Niedersterreich Austria
ABNR	Abakan
ABOA	Aboa
ABOY	Afar, BOY
ABP	Abra de Ilog
ABPO	Ambohimpanom
ABPP	Abucay Bataan Peninsula
ABQ	Albuquerque ALQ
ABR	El Abra
ABR01	Abrolhos, BA
ABRA	Dolores
ABRB	Las Abras (Santa Cruz, Turrialba)
ABRE	Abriola
ABRIN	Birine
ABRM	Brophy Road
ABRN	Auburn
ABS	Abastumani
ABSA	Djebel Ababsia
ABSD	Ouled Sidi Brahim
ABSE	Abaselama
ABSI	Aberstueckl
ABSM	Argamakmur, Bengkulu
ABT	Abant
ABTA	Abfaltersbach
ABTN	Auburntown
ABTO	Aybut
ABTX	Abilene, Hawley
ABU	Abuyama
ABUS	Abu Simbel
ABV	Anegada
ABVI	Anegada Island
AB-WV	Amboy
ABZA	Acelerografo, Napo - Baeza, Granja Experimental
AC01	Pan de Azucar
AC02	Maricunga
AC04	Llanos de Challe
AC05	El Transito
AC06	Mina Casimiro Domeyco
AC07	uador-Guayaquil-Cerro o 507
ACA	Amchitka Central A
ACAJ	Puerto de Acajutla
ACAL	Aguas Claras
ACAM	Acambaro
ACAN	Cantantal
ACAP	Capistrello
ACATE	Acate (RG)
ACB	Amchitka Central B
ACBG	Cabo de Gata
ACBZ	Cumbaratza - Ecuador
ACC	Amchitka Central C
ACCN	Adirondack Community College
ACCO	Cerro Coronel
ACD	Amchitka Central D
ACDC	Adrspach
ACDF	Aurillac
ACDV	Cuesta del Viento
ACE	Amchitka Central E
ACEO	Ashtabula EMA
ACER	Acerenza
ACES	Army Corps of Engineers Seattle ANSS
ACF	Amchitka Central F
ACH	Altos
ACH1	Ecuador-Universidad Tecnica de Machala
ACH2	uador-Machala-Colibri i El Vergel
ACHA	Angle Creek Headwaters
ACHAM	Array-Uganda/Tanzania zania - ZP, CHAM
ACHAR	Athens-Acharnes
ACHB	Acheberg
ACHE	Chepes
ACHIE	Chifra
ACHIM	AfricaArray - ZP, CHIM
ACHL	Achilleion, Magnesia
ACHM	Chimeneas
ACHN	uador-Chone-Fundacion n Padre Fitzgeral
ACHO	Acelerografo, Imbabuta - Chontal
ACHO3	Achotines, Los Santos
ACHR	Chrea
ACHS	Amedichi
ACI	Arcavacata
ACIG	Acambay
ACIS	Arcavacata di Rende
AC-IS	Amchitka
ACJM	Astanajapura, JawaBarat
ACJS	Manab - Cojimies
ACK	Alder Creek
ACKN	Achilles Lake
ACL	Alicudi
ACLA	Agua Clara, Sierra Llorona en Colsn
ACLC	CERRO LA CRUZ
ACLR	Calar Alto
ACLS	Los Chiles
ACM	Allegan
ACM01	Campo, CM01
ACM02	Meyiboto, CM02
ACM03	Yokadouma, CM03
ACM04	Ngan, CM04
ACM05	Kribi, CM05
ACM06	Ambam, CM06
ACM08	Ndonga, CM08
ACM10	Ngambe, CM10
ACM11	Abong Mbang, CM11
ACM12	Ntui, CM12
ACM13	Kumba, CM13
ACM14	Batouri, CM14
ACM15	Bare, CM15
ACM16	Bfoussam II, CM16
ACM17	Yoko, CM17
ACM18	Mamfe, CM18
ACM19	Magba, CM19
ACM20	Bu, CM20
ACM21	Tibati, CM21
ACM22	Ngaoundal, CM22
ACM23	Ntumbaw, CM23
ACM24	Ntumbaw, CM24
ACM25	Banyo, CM25
ACM26	Ngaoundere, CM26
ACM27	Tignere, CM27
ACM28	Poli, CM28
ACM29	Yelwa, CM29
ACM30	Figuil, CM30
ACM31	Yagoua, CM31
ACM32	Dougou, CM32
ACN	Aachen, Dom
ACNC	Ecuador-Cuenca-Aeropuerto
ACO	Alabaster Cavern State Park
ACOC	uador-Coca-Secretaria a de Gestion de Riesgos
ACOH	Alum Ck. St. Park
ACOM	Acomizza, Italy
ACON	Acoyapa
ACOR	Acrocorinthos
ACOS	Acosta
ACOT	Cotacachi (Casa del Agua)
ACP	Acatlan
ACP2	Acapulco
ACPR	Aruba, International School of Aruba
ACQ	Acqui Terme
ACR	Cerro Adams
ACRA	Athens-Acropolis a
ACRE	Athens-Acropolis e
ACRG	Accra
ACRK	Athens-Acropolis k
ACRM	Ecuador-Municipio El Carmen
ACRN	Hopewell, ACRM
ACSO	Alum Creek State Park
ACT	ACQUASANTA TERME
ACTN	Antioch Church
ACTO	Acton
ACU	Canalobre
ACUE	Ecuador-Cuenca-Rayo Loma Transelectric
ACVZ	
ACX	Acapulco
ACY	Acoyapa
AD-	Adak Island AD-IS
AD01	Meldola (FC)
AD02	Mondaino (RN)
AD03	Mombaroccio (PU)
AD04	Corinaldo (AN)
AD05	S.Marcello (AN)
AD06	Osimo (AN)
AD1	Great Sitkin
AD2	Umak
AD3	Kagalaska
AD4	Hidden Bay
AD5	Yakak
AD6	South Kanaga
AD7	North Kanaga
AD8	Adagdak
ADA	Adak
ADAG	Mount Adagdak
ADAL	Adalicio
ADAM	Adams Ridge, Knoxville, CA USA
ADARE	Adare
ADAT	Adana
ADB	khalkal
ADC	Auburn Dam
ADCK	Dar Chioukh
ADCR	Adamclisi
ADCS	Ashburton
ADCV	BITLIS_Adilcevaz
ADDN	Jabal Ad Dan - Dhamar Gov. - Yemen
ADE	Adelaide
ADEE	Ethiopia-Afar Geoscientific Lithospheric Experiment
ADEN	Aden
ADES	Adelaida
ADH	Angra Heroismo
ADH0	Angra Heroismo
ADHO	DHOFAR2 - YR
ADI	Adamit
AD-IS	Adak Island
ADIT	Lawson Adit, UC Berkeley, California
ADJ	ADJUD
ADJB	Djebel Djouab
ADJF	Tadmit
ADK	Adak
ADKI	Addanki
ADL	Adelanto
ADM	NRDS
ADMTO	DHOFAR2 - YR, DMTO
ADN	Adams
ADO	Adelanto Receiving Station
ADOA	Andong Acc Borehole
ADOK	Arcadia Dam
ADOR	Douera
ADR	Anderson Reservoir
ADRA	Adra
ADRI	Adria, Italy
ADRN	Diriamba
ADSC	Addlestone Acy
ADT	Adana
ADTE	Adait
ADUE	Ethiopia-Afar Geoscientific Lithospheric Experiment
ADUR	Acelerografo, Guayas - Duran
ADV	Adventbay Spitsbergen
ADVT	Abdulvahap
ADWM	Drytown Water District
ADYE	Abi Ad
ADZR	Andozero
AE-	Albemarle AE-NC

Code	*Station Name*	*Other*
AEB	Amchitka	ASB
AECU	Ecuador Network	
AEIL	Aeropuerto Ilopango	
AEKI	Aeknabara	
AE-NC	Albemarle	
AERF	Escuela - Rosario de la Frontera	
AERN	Aeropuerto Managua	
AES1	ador-Esmeraldas-Balao ao Refineria	
AES2	Ecuador-Puerto Esmeraldas Inocar	
AESN	El Sauce Leon	
AETJ	Atarfe	
AEU	East Anglia University	
AF01	San Pedro de Atacama	
AFAR	Ash Flat	
AFC	Alfacar	
AFDE	Aroley	
AFDJ	Sidi Ladjel	
AFDM	Forest Hills Divide	
AFFS	`Afif	
AFH	Ashford Hill	
AFHM	Forest Hill Site	
AFI	Afiamalu	
AFIF	Afif	
AFIFT	Afif - temporary	
AFINE	Finto	
AFK	Afek	
AFL	Alpe Faloria	
AFME	Afdera	
AFO1	Alfred	
AFO2	Alfred	
AFOK	Anatahan S. Rim	
AFON	Font Roja	
AFR	Afareaitu	
AFRM	Fiddyment Ranch	
AFRS	Ain Fares	
AFRZ	Afriz	
AFS	Agadir Fac de Sc.	
AFSR	Afar-Bala (Ankara)	
AFUE	Fuente Hervidero	
AFYN	Kınık, Dinar, Afyon	
AFYO	Afyonkarahisar	
AG-	Augusta	AG-ME
AG11	Viggiano (PZ)	
AG51	Grumento Nova (PZ)	
AGA	Agualva	
AGA01	Agarn, Football field, VS	
AGAC	Agave Hill	
AGAL	Gebel Alisa	
AGAM	Agassiz Lake	
AGBL	Cinco Dias	
AGBLB	Aguas Belas	
AGBR	Sao Joaquim do Monte	
AGC	Angel Island	
AGCC	Aguachica	
AGCH	Angol	
AGD	Arta Grotte	
AGDM	Agdam	
AGDR	DHOFAR2 - YR, GDR	
AGE	Agenahambo	
AGEO	AgiosGiorgios, Aigialia, West Greece	
AGER	Montsec	
AGG	Agios Georgios	
AGI	Augustine Island	
AGIA	AGIA	
AGIM	Gold Rush Inn	
AGIP	Aguinaldo, Ifugao	
AGL	Agalyk	
AGLI	Aglientu	
AGLP	Mina gua Limpa, MG, Brazil	
AGM	Allagash	
AG-ME	Augusta	
AGMN	Agassiz National Wildlife Refuge	
AGMR	Gebel Marawa	
AGMT	cuador-Guamote-Cuerpo de Bomberos	
AGN	Agin	
AGN1	Agios Nikolaos	
AGNA	Agios Nikolaos	
AGNN	Agnone	
AGO	Saint Agoulin	
AGOC	Agoura	
AGOE	Offshore Ravenna	
AGOR	Agordo	
AGOS	10 DE AGOSTO	
AGP	Aguadilla	
AGPR	Aguadilla, PR	
AGR	Agra	
AGR2	Agrinio	
AGR3	Agrinion	
AGRA	Agra	
AGRB	Hanur-Agry	
AGRD	Ecuador-Guaranda-U.T. de Guaranda	
AGRI	Agrihan Island	
AGRP	Agrapidokambos, Nafpaktia, West Greece	
AGRT	Agri	
AGRW	Gebel Rewraw	
AGSA	Angseong	
AGST	Augusta-Monte Tauro	
AGSX	Ej. Aguas Calientes	
AGT	Agartala	
AGT1	Agia Thekli	
AGU	Augustine-Summit	
AGUA	GUANDACOL	
AGUAY	Guayaquil	
AGUN	Aguas Calientes	
AGUTJ	Tijuana	
AGUV	La Aguada	
AGV	La Aguada	
AGVB	Aqua Vermelha	
AGVN	Aghvani	
AGX	Aguascalientes	
AGXA	Nea_Anchialos	
AGYR	Agha	
AGZ	La Independencia	
AHA	Ahua	
AHAM	Afar, HAM	
AHAN	Ardahan-Merkez-Sulakyurt	
AHAR	Ahar	
AHARE	Harses	
AHB	Akutan Harbor	
AHBU	AHRAM	
AHCB	Chemainus	
AHDM	Hacienda Drive	
AHID	Auburn Hatchery	
AHLV	Sanatorio - la Vina	
AHML	Horco Molle	
AHMR	Akhmetovskaya	
AHRM	Harold F. Ross	
AHRW	Bad Neuenahr-Ahrweiler	
AHS	Asahigawa	
AHU	Ahuachapan	
AHUA	Ecuador-Huaquillas Colegio Municipal	
AHWZ	Ahwaz	
AI-	Alliance	AI-NB
AIA	Argentine Island	
AIA1	Aiani, KOZANI	
AIAI	Ai-Ais	
AIB	Aibetsu	
AIB1	uador-Imbabura-Ibarra a Cuerpo de Bomberos	
AIB2	Ibarra (Universidad Catlica)	
AIC	Anacapa Island	
AICH	Aicho	
AID	Aizu	
AIDA	Aidipsos	
AIDS	Halavar	
AIES	Las Flores	
AIG1	Aigion	
AIG2	Aigio	
AIG3	Aigion	
AIG4	Aigion	
AIGLE	Aigle	
AIGN	Aigina	
AIGS	Aigio	
AIK	Aikawa	
AIL	L'Aileron	
AIMA	Ruta 39, Com. La Coronilla	
AIMS	r-Tababela-Aeropuerto uerto Mariscal Sucre	
AIN	Ainahou	
AI-NB	Alliance	
AINDI	AfricaArraySE Tanzania Basin Experiment - YH, INDI	
AIO	Antillo	
AIOA	Agios Ioannis, Aigialia, West Greece	
AIPV	Ipv	
AIQP	LGU Evacuation Site, Brgy. Camagong, Alabat, Quezon	
AIR06	AIROLA	
AIS	Amsterdam Island	
AIT	Ait Ouarda	
AITP	Aitape	
AIUT	Southern Antelope Island	
AIXA	Granada	
AIZW	AIZWAL	
AJAC	Base Areonavale d'Aspretto	
AJAF	Ajaccio	
AJAR	Ajai Ranch	
AJAX	Aniakchak Jack	
AJB2	Jaromillo Abaja	
AJD	Anjado	
AJI	Ajiro2	
AJLJ	Ajlon	
AJM	Ajmer	
AJMR	Ajmer	AJM
AJN	Ajban	
AJPJ	JIPIJAPA 2	
AK-	Atoka	AK-OK
AK0	North Tanaga	
AK01	Malyn Array Site 01	
AK02	Malyn Array Site 02	
AK03	Malyn Array Site 03	
AK04	Malyn Array Site 04	
AK05	Malyn Array Site 05	
AK06	Malyn Array Site 06	
AK07	Malyn Array Site 07	
AK08	Malyn Array Site 08	
AK09	Malyn Array Site 09	
AK1	West Kanaga	
AK10	Malyn Array Site 10	
AK11	Malyn Array Site 11	
AK12	Malyn Array Site 12	
AK13	Malyn Array Site 13	
AK14	Malyn Array Site 14	
AK15	Malyn Array Site 15	
AK16	Malyn Array Site 16	
AK17	Malyn Array Site 17	
AK18	Malyn Array Site 18	
AK19	Malyn Array Site 19	
AK2	South Tanaga	
AK20	Malyn Array Site 20	
AK21	Malyn Array Site 21	
AK22	Malyn Array Site 22	
AK23	Malyn Array Site 23	
AK3	North Tanaga	
AK4	Bobrof	
AK5	North Tanaga	
AKA	Akutan	
AKA1	Akutan 1	AKA
AKA2	Akutan 2	
AKA4	Akutan 4	
AKA5	Akutan 5	
AKAD	AfricaArray - AF, KAD	
AKAMZ	Array-Uganda/Tanzania zania - ZP, KAMZ	
AKAR	Aktash	
AKAS	Kas	
AKASG	Malyn Array Beam Reference Point	
AKAY	Kef Ayad	
AKB	Aktobe	
AKBB	Malyn Array Site BB	
AKBBA	Akutan Broad B.	
AKC	Akcakoca	
AKCA	Akakaya, Glbaı, Adıyaman	
AKCD	Akcadag	
AKCZ	Akaroa Harbour	
AKDA	Akdag	
AKDM	Akdamar-Van	
AKDN	Akdeniz- Kıbrıs	
AKED	El Kharrouba	
AKEE	Akesta	
AKET	Djebel Ketaf	
AKF	Akfadou	
AKFT	Tuzla	
AKFZ	Atkinson Farm	
AKGG	Akutan Green Grass	
AKGH	Akosombo	
AKH	Akhalkalaki	
AKHS	Akhisar	
AKI	Akita	
AKI1	Akita	
AKIJ	Akita 2	
AKIN	Akıncılar- Kıbrıs	
AKIR	Afar, KIR	
AKK	Akkeshi	
AKK1	Akkuyu-Mersin	
AKK2	Akkuyu-Mersin	
AKKT	Akkus	
AKKU	Akkuyu-Mersin	
AKL	Akola	
AKLM	AKL	
AKLV	Akutan Long Valley	
AKM	Akama	
AKMC	Akamas	
AKMO	Akutan Morgan	
AKMS	Akamas	
AKN	Aaknes	
AKO	Adana	
AK-OK	Atoka	
AKOS	Akosombo Dam	
AKPI	Kirsehir/Akpinar	
AKR	Ocre	
AKR1	Akrata	
AKRB	Akutan Reef Bight	
AKRG	Al Kharijah	
AKRL	Khor El Raml	
AKRO	Akrotiri Santorinis	
AKRT	Stavros Akrotiri	
AKS	Akhisar	
AKSA	Akutan Strait	
AKSR	Khor Sakr	
AKSS	Akaroa School	
AKST	Aksuat	
AKSY	AKSARAY - Altinkaya	
AKSZ	Araks	
AKT	Akhty	
AKTK	Aktyubinsk	
AKTO	Aktyubinsk	
AKTT	Aktoprak	
AKU	Akureyri	
AKU-	Akureyri	
AKUL	Akkuyli	
AKUM	Antalya-Kumluca	
AKUR	Kurkur	
AKUT	Akutan	
AKV	Akutan Volcano	
AKVQ	Akulivik	
AKWA	Algayed	
AKY	Akyazi	
AL-	Antlers	AL-OK
AL1	Aidlin Power Plant 1	
AL2	Aidlin Power Plant 2	
AL3	Aidlin Power Plant 3	
AL31	ALPA Array Site 31	ALAR
AL32	ALPA Array Site 32	
AL33	ALPA Array Site 33	
AL34		FBAL
AL35		AL5
AL36	ALPA Array Site 36	
AL37	ALPA Array Site 37	
AL4	Aidlin Power Plant 4	
AL5	ALPA Array Site 35	
AL6	Aidlin Power Plant 6	
ALA	Alamo	
ALAG	Acelerografo, Sucumbios - Lago Agrio	
ALAH	cuado-Alausi-Hospital Civil	
ALAJF	Alajrvi	
ALAM	Latrobe	
ALAMX	Rancho Alamar	
ALAN	Alanya-ANTALYA	
ALAR	ALPA Array Beam Reference Point	
ALAS	Alassa	
ALAT	Latacunga	
ALAU	Alaus, Posada N	
ALB	Alberni	
ALB1	ALBI	
ALBA	Albanya	
ALBC	Alba	
ALBD	Alberton, Johannesburg	
ALBI	Allahabad	
ALBL	Albano Laziale	
ALBO	Alboran Island OBS	
ALC	Alcan	
ALCE	Alcedo, Punta Alfaro	
ALCI	Alchi Leh	
ALCN	Alcanar	
ALCO	Alturas Coton, Coto Brus	
ALCS	Alfacar	
ALCT	Alcott Elementary School	
ALCX	Castello	
ALD	Alter Ridge	
ALDR	Aldan	
ALE	Alert	
ALEE	Ado Ale volcano	
ALEG	Aligegeo Malaita	
ALEN	Leon	
ALEP	Alea Permanent	
ALER	Alexandrovskoye	
ALEX	Alexandroupolis	
ALF	Alfred	
ALF01	Guarapari-ES	
ALF2	Valle Quemado	
ALFC	Alefka	
ALFM		
ALFO	Alfred	
ALG	Algiers University	
ALGA	Alga	
ALGO	Algonquin Park	
ALGR	Alto Alegre (Brazil)	
ALGS	Alagyaz	
ALH	Alicahue	
ALHU	Pen de Alhucemas	
ALI	Alicante	
ALIA	Aliabad	
ALIB	Ii-Bayramli	
ALIBA	Liberia Airport	
ALIBE	La Libertad	
ALID	Alaid	
ALIG	Mtskhetisjvari	
ALIK	Aliki, Aigialia, West Greece	
ALIN	Konya, Altintekin	
ALIT	Ecuador-Imbabura-Lita	
ALJ	Aljibe	
ALJ1	ador-Loja-Universidad ad Tecnica Particular de Loja	
ALJA	Alia	
ALJI	Alcalda de Jiquilisco	
ALJV	Cerro Villonaco Loja-Ecuador	
ALKI	Alki Wastewater Plant ANSS-SMO	
ALKP	Alkanpan, Northen Cape, South Africa	
ALKR	Alikarnassos	
ALL	Alla	
ALLA	Alla	ALL
ALLN	Telcor Managua	
ALLY	Alegheny College	
ALM	Almeria	
ALM1	Almyros	
ALME	Alemaya	
ALMG	Alamagan	
ALML	Lajes	
ALMN	ALMN	
ALMO	Almog	
ALMR	Almeirim	
ALMT	Alberton, Montana	
ALN	Alexandroupolis	
ALNA	Alonissos	
ALNE	Al Ain	
ALNG	Atlantic LNG	
ALNM	Lincoln	
ALO	Ashland	
ALOA	Alotau	
ALOHA	Station ALOHA	
ALOJ	Loja	
AL-OK	Antlers	
ALOL	LOMAS DE OLMEDO	
ALON	ALONIM	
ALOR	Ecuador-San Lorenzo-Base Maritima Naval	
ALOT	Alotau	
ALP	Ascoli Pisceno	
ALPC	Antelope	
ALPN	Alpine	
ALPW	Alpine	
ALPX	Alepoxori	
ALQ	Albuquerque	
ALR	Isla de Alboran	
ALRB	Anaheim Lake	
ALRN	CFB Alert, NU	
ALRZ	Allen Road	
ALS	Alishan	
ALSD	Alessandria	
ALST	Alston	
ALT	Altintas	
ALT01	Santillana del Mar (Cantabria)	
ALT02	Santillana del Mar (Cantabria)	
ALT03	Santillana del Mar (Cantabria)	
ALT04	Santillana del Mar, Cantabria	
ALT11	ALTAVILLA IRPINA	
ALTA	Alta Urco	
ALTM	Altmuhljura-Amtmannsdorf	
ALTN	Altintas	
ALTO	Alotau	
ALTU	Alat	
ALTV	Alturitas	
ALU	Alushta	
ALUC	Giresun/Alucra	
ALUM	Lumbreras	
ALV	Alvord Mountain	
ALVK	Alvank	
ALVW	Alview-dairyland Union Elementary, Dairyland, CA USA	
ALVY	Alvey	
ALWL	Aliwali North,Eastern Cape	
ALWS	Ilw as Safayhah	
ALX	Alexander Bay	
ALX1	Alexandroupolis	
ALXA	Alekseevka, NSO, Russia	
ALZ	Aoulouz	
AM-	Ardmore	AM-OK
AM01	Amandola Torre del Podest	
AM02	Amandola Istituto Tecnico	
AM03	Amandola Ospedale	
AM04	Amandola Base Costone Ospedale	
AM05	Amandola Campo Sportivo	
AM1	Amasugawa 1	
AM2	Amasugawa 2	
AM9	Amelia	AMI
AMA	Amatignak Island	
AMA1	Acelerografo, Esmeraldas - Terminal Martimo	
AMAC	Ecuador-Machachi	
AMAD	Amandola	
AMADO	DHOFAR2 - YR, MADO	
AMAG	Maghara	
AMAKA	AfricaArray - ZP, MAKA	
AMAL	Malcesine	
AMAN	Manam	
AMANS	Array-Uganda/Tanzania zania - ZP, MANS	
AMANT	Manta	
AMAR	Marayes	
AMAS	Alto Masis	
AMAZ	Amatzia	
AMB	Ambulong	
AMB1	Ambar	
AMBA	Amambai (Brazil)	
AMBC	Amberley HDC	
AMBH	Ambrzfalva	
AMBZ	Amberd	
AMC	Almaden	
AMC*	Amchitka	
AMCA	GAD MUNICIPAL DE MACARA	
AMCR	Ecuador-Macara	
AMCS	Ecuador-Macas Aeropuerto	

Code	Station Name	Other
AMCZ	Amberley	
AMD	Amderma	
AMD1	Meshkindasht	
AMDA	Medea	
AMDE	Amderma	
AMDE1	Amderma1	
AMDNV	Amargosa	
AME	Amchitka East	
AMEN	Colle Ameno	
AMF	American Fork	
AMG	Americus	
AMGA	Amorgos Island	
AMGES	AMGES	
AMI	Amelia	
AMID	Amiad	
AMID2	Plan de l'Aiguille, Chamonix - Mont Blanc, France	
AMIKU	AfricaArray - ZP, MIKU	
AMIL	Milagro (Transelectric)	
AMIS	Naft Sefid	
AMJ	Amo	
AMK1	Thessaloniki Airport	
AMKA	Amchitka	
AMKRE	AfricaArray - ZP, MKRE	
AML	Almayashu	
AML01	Serafina, Lisbon	
AML02	Lavradio	
AML03	Fanhoes/Loures	
AML04	Campo deTiro de Alcochete	
AML05	Montejunto	
AML1	Amfilochia	
AMLC	Mogote Corralitos	
AMM	Anaconda	
AMME	Ethiopia-Afar Geoscientific Lithospheric Experiment	
AMN	Amanu	
AMNH	Manhattan	
AMNT	Manta-Manabi	
AMO	Ambon	
AMO1	MONTECRISTI, CIUDAD ALFARO	
AMOG	MOGNA	
AM-OK	Ardmore	
AMOM	Mompiche	
AMOR	Amorgos	
AMOT	Alumot	
AMOY	Afar, MOY	
AMP	Ambar	
AMPA	Desamparados	
AMPE	Ampelochori, Viotia, Greece	
AMPH	Amapala	
AMPL	Ampelaki	
AMPM	Aifat	
AMR	Amargosa	
AMR2	Amarah	
AMRC	Marco	
AMRG		
AMRH	Mont Rhoder	
AMRM	AMRM	
AMRP	Almeirim	
AMRR	Amara	
AMS	Amos	
AMSN	Amaseno	
AMSY	Amasya-Merkez	
AMT	Artemida-Makistos	
AMT1	Abbadia San Salvatore	
AMT2	Abbadia San Salvatore	
AMT3	Abbadia San Salvatore	
AMT4	Abbadia San Salvatore	
AMTN	Mateare	
AMTV	Ecuador-Monte Verde-Cenaim Espol	
AMTX	Amarillo	
AMU	Anchorage	
AMUK	Mukalla, MUK	
AMUR	Altamura	
AMVM	AMECAMECA	
AMW	Mount Adams	
AMYA	Amyntaio	
AMYN	Masaya	
AMZI	Amatzia	
AN-	Angela	AN-MA
AN1	Anna	
AN1*	Pine Canyon	PNC
AN10	Anna	
AN11	Anna	
AN12	Anna	
AN12*	Salinas Radio	SRC
AN13*	Quien Sabe	QSR
AN14*	Cienega Rd	BCGM
AN15*	Johnson Can.	JHC
AN2*	Forsythe	
AN3	Anna	
AN3*	San Juan Grade	HJGM
AN4	Anna	
AN4*	Pacheco Lake	PCL
AN5*	Dillon Ranch	DIL
AN6*	Chase Ranch	CSR
AN7	Anna	
AN7*	Canada Road	CDC
AN8	Anna	
AN8*	Peckham Road	PKC
AN9	Anna	
AN9*	Anzar Reservoir 9	
ANA	Amchitka	
ANA01	Lindo Horizonte, BA, Brazil	
ANA2	Anatahan	
ANAC	Anensky vrch	
ANAF	Anafi Island	
ANAL	New Alisa	
ANAR	Anarak	
ANAT	Anatahan	
ANB	Amchitka	
ANB1	Anbar	
ANBD	Bethesda, Antigua	
ANC	Marguerite Bay	
ANCC	Alto Anchicaya	
ANCH	Antofagasta	
ANCK	Angle Creek	
ANCO	Parque Anchorena, Colonia	
ANCR	Anchorite	
AND	Amchitka	
AND3	Andretta	
ANDJ	Andijan	
ANDM	Andravida	
ANDN	Andirin	
ANDO	Antigua, Disaster Office	
ANDR	Anadyr'	
ANDR2	Anadyr, Chukotka	
ANDRE	Andros, ANDR	
ANDZ	Kutahya, Merkez-Andiz	
ANE	Angren	
ANEL	Aelo, Neuquen, Argentina	
ANER	Nerja	
ANG	Antigua	
ANGC	Angol	
ANGE	Lido Adriano	
ANGG	Ammassalik, Greenland	
ANGL	Ecuador	
ANGR	Angarakan	
ANGS	El Angel	
ANGU	Angureal	
ANGV	Angostura	
ANGW	Angle Mountain	
ANH	Anchorage	
ANI	Aniakchak	
ANI*	Anchorage	ANH
ANIA	Aniakchak Crater	
ANIG	Ahuacatlan	
ANIL	Santa Ana	
ANJJ	Anjarah	
ANK	Ankara	
ANKA	Aniakchak	
ANKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ANKE2	AfricaArray - AF, ANKE	
ANKY	Antikythira Island	
ANL	Andalgala	
ANLB	Anatahan	
ANM	Nome	
AN-MA	Angela	
ANMB	Anmore	
ANMD	Anmado	
ANMO	Albuquerque	
ANMR	North Marawa	
ANN	Anapa	
ANNA	Wolkenburger Bergbaurevier	
ANNE	Aniakchak Northeast	
ANNS	Annsville	
ANNT	Anatahan	
ANNW	Aniakchak Northwest	
ANOC	Antigua Open Campus	
ANON	Aniakchak	
ANP	Anpu	
ANPB	Aniakchak Plenty Bear	
ANPK	Aniakchak Peak	
ANR	Andizhan	
ANS	Ancona	
ANS1	Agios Nikolaos Laconias	
ANSS	Anadyr, Chukotka	
ANSU	AfricaArray - AF, NSU	
ANSW	Anatahan	
ANT	Antofagasta	
ANTB	Antalya	
ANTC	Antisana-Cuyuja	
ANTCA	Antelope Range	
ANTE	Offshore Ravenna	
ANTF	Antibes	
ANTG	Antisana-Guaman	
ANTI	Antisana	
ANTJ	Antonio Joao (Brazil)	
ANTK	Antikyra, Boeotia	
ANTM	Antisana-La Mica	
ANTN	Anderson	
ANTO	Ankara	
ANTR	Antelope Ridge	
ANTS	Antisana-Sarahuasi	
ANTT	Antakya	
ANTU	Antumapu	
ANTZ	Aouinet Torkoz	
ANU	Antelope Island	
ANV	Anvil Mountain	ANM
ANVP	Aritao, Nueva Vizcaya	
ANVS	Anan'yevo	
ANVZ		
ANWB	Willy Bob	
ANWZ	Angora Road	
ANX	Ano Chora	
ANZ	Anzar Road	
ANZE	Anzi	
AO-	Argonne	AO-WS
AOB	Aobayama	
AODM	Outingdale	
AOEA	Aiquile	
AOES	Sucre	
AOF	Agadir Oufela	
AOHM	Oregon House	
AOI	Ancona	
AOL1	Archaia Olimpia	
AOLM	OLMEDO, CENTRO DE SALUD	
AOM	Aomori	
AOM1	Aomori	
AOM3	Aomori 3	
AOMJ	Aomori 2	
AONC	Vina, CA USA	
AOPR	Arecibo Observatory	
AOS	Alonnisos	
AOS2	Alonissos-2	
AOSA	Aosta	
AOT	Adel	
AOTA	Otavalo	
AOU	Aou	
AOVM	Tlapan	
AOVT	TarijaAcel	
AO-WS	Argonne	
AP-	Apache	AP-OK
AP01	Chacalluta	
AP12	Ulpha	
AP3N	Apex site 3 Nunavut	
APA	Apatity	
APA0	Apatity Array Site A0	
APA1	Apatity Array Site A1	
APA2	Apatity Array Site A2	
APA3	Apatity Array Site A3	
APAC	Apartado, Choco	
APAE	Packway	
APAES	Apatity Array Beam Reference Point	
APB1	Apatity Array Site B1	
APB2	Apatity Array Site B2	
APB3	Apatity Array Site B3	
APB4	Apatity Array Site B4	
APB5	Apatity Array Site B5	
APC	Apacha	
APCG	Parque de las Ciencias	
APE	Apeiranthos	
APEC	Apecchio	
APED	Ecuador-Perdenales	
APER	Aper	
APEZ	Moni Apezanon	
APG	El Apazote	
APGM	Casa Mquinas Miravalles	
APGO	Alpago	
APH	Airport Hangar	
APHE	Pico Herrero	
API	Apia	
APIN	Pingrup, PIN	
APJL	GAD MUNICIPAL DE PUJILI	
APJN	PAJAN	
APK	Angel's Peak	
APKW	Angels Peak	
APL	Alpnach	
APLA	Playas - Guayaquil	
APLL	PUNTA DE LOS LLANOS	
APM	Augspurger Mountain	
APMT	Aspermont	
APMY	Acipayam-Denizli	
APN	Apakhonchich	
APNR	Astor Pass	
APO	ppelbo	
APO1	cuador-Portoviejo-UTM Jardin Botanico Estacin Inamhi	
APO2	dor-Portoviejo-DIRMOV MOV CC.FF.AA.	
APO3	-PORTOVIEJO-INSTITUTO EJO-INSTITUTO NACIONAL PATRIMONIO CULTURAL	
AP-OK	Apache	
APOL	The Sanctuary of Apollo Hylates	
APON	Apoyo	
APOP	Alto Boquete	
APP	Appelbo	APO
APPA	Casa Mquinas Las Pailas	
APPI	Appiano	
APPS	Arthurs Pass Police Station	
APQ2	Apoyeque	
APQ3	Volcan Apoyeque sitio 3	
APQN	BB Volcan Apoyeque	
APR	Arecibo	
APR1	Acelerografo, Pichincha - Quininde	
APR2	Miler	
APRC	Apricena	
APRM	Poppy Hill Road	
APRS	Wahet Paris	
APS1	Acelerografo, Sucumbios - Lago Agrio	
APS4	Papallacta	
APSI	Ampana	
APSY	Ecuador-Napo Ana Tenorio	
APT	Avery Point	
APUJ	Pujili	
APUY	Puyo	
APVM	Azcapotzalco	
APW	Alpha Peak	
APY	Apoyeque	
APYN	Apoyeque	
APYP	Conner	
APZ	The Paps	
APZ9	Apatity	
AQ12	Selside	
AQ6*	Aqua Casa	
AQA	LAQUILA FIUME ATERNO	
AQBJ	Aqaba	
AQCC	Dique - Cabra Corral	
AQDB	Aquidauana	
AQF	L AQUILA FERRIERA	
AQG	L AQUILA COLLE DEI GRILLI	
AQK	L AQUILA PARK	
AQP	L AQUILA PETTINO	
AQT1	Arquata del Tronto	
AQU	L'Aquila	
AQUE	Quevedo	
AQV	L AQUILA CENTRO VALLE	
AR-	Aurora	AR-WS
AR03	Chiusi della Verna (AR)	
AR07	Slaidburn	
AR1	Arenal	
AR2	Lago de Cote	
AR3	Tierras Morenas	
AR4	Solania	
AR5	Santa Elena	
AR6	Chiripa	
AR7	Cape Frico	
AR8	Nicoya	
AR9	North	
ARA	Arapuni	
ARA0	ARCESS Array Site A0	
ARA1	ARCESS Array Site A1	
ARA2	ARCESS Array Site A2	
ARA3	ARCESS Array Site A3	
ARAC	Aracena	
ARAD	ARAD	
ARADI	Arad	
ARAG	Araguaiana, MT - Brazil	
ARAP	Termas del Arapey, Salto.	
ARAS	Rassina, Castel Focognano (AR)	
ARAZ	Aratiatia Landcorp Farm	
ARB1	ARCESS Array Site B1	
ARB2	ARCESS Array Site B2	
ARB3	ARCESS Array Site B3	
ARB4	ARCESS Array Site B4	
ARB5	ARCESS Array Site B5	
ARBA	Ethiopian Broadband Seismic Experiment	
ARBE	Arbavere	
ARBF	Arbois	
ARBS	La Rabassa	
ARC	Arcata	
ARC1	ARCESS Array Site C1	
ARC2	ARCESS Array Site C2	
ARC3	ARCESS Array Site C3	
ARC4	ARCESS Array Site C4	
ARC5	ARCESS Array Site C5	
ARC6	ARCESS Array Site C6	
ARC7	ARCESS Array Site C7	
ARCA	Arauai, MG	
ARCB	Arc Triumf Bucuresti	
ARCES	ARCESS Array Beam Reference Point	
ARCH	Arica	
ARCI	Arcidosso	
ARCO	CERRO ARCO	
ARCR	ARCALIA	
ARCV	Arcevia	
ARCZ	Arundel	
ARD	Arida	
ARD1	ARCESS Array Site D1	
ARD2	ARCESS Array Site D2	
ARD3	ARCESS Array Site D3	
ARD4	ARCESS Array Site D4	
ARD5	ARCESS Array Site D5	
ARD6	ARCESS Array Site D6	
ARD7	ARCESS Array Site D7	
ARD8	ARCESS Array Site D8	
ARD9	ARCESS Array Site D9	
ARDC	Alexander Ranch	
ARDJ	Arjinak	
ARDK	Ardon	
ARDO	Archidona, Tena	
ARDR	Aradan	
ARE	Arequipa	
ARE0	ARCESS Array Site E0	
ARE1	Arenal 1	
ARE2	Areopolis	
AREB	Areado	
AREE	Arenal	
AREEX	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ARF	Arif	
ARG	Arkhangelos	
ARG2	Argostoli	
ARGA	Argostoli. Kephalonia	
ARGC	Ariguani, Magdalena	
ARGE	Casa Villegas, La Argelia, Quito, Ecuador	
ARGU	Argyle Ridge	
ARGY	Argyle Diamond Mine	
ARH	Archignac	
ARHR	Arkhangelsk	
ARHZ	Aropaoanui	
ARI	Arica	
ARIA	ARARIA	
ARIC	Ariccia	
ARIEL	Armuelles	
ARIG	Puente Sto Nino	
ARIL	Ariel University	
ARIN	Rivas	
ARIO	Riobamba	
ARIRA	AirJ	
ARJM	Robert W. Jensen	
ARK	Arkit	
ARK1	Arkalochori	
ARKL	Arkaroola	
ARKP	Armutlu	
ARKR	Arakani	
ARKS	Wainuiomata Arakura School	
ARL	Chiapas	
ARLS	Aral	
ARM	Puerto Armuelles	
ARM2	Puerto Armuelles 2	
ARMA	Armidale	
ARME	Armento	
ARMEC	Armenia, Quindio	
ARMI	Offshore Ravenna	
ARMN	Kirklareli, Merkez-Armagan	
ARMO	Armo	
ARMS	Ukamas	
ARMT	Armutlu	
ARN	Arnold Ranch	
ARN1	Arnaia	
ARNAS	Arnasay	
ARNB	Al Arnab	
ARNI	Argonne North	
ARNL	Arenillas	
ARNO	Arenosillo	
ARNR	Ardon	
ARNS	Arna	
ARNU	Arnoeviken	
ARNY	Arden House	
ARO	Arta Observatory	
AROB	Aroab	
AROC	ROCAFUERTE, CENTRO DE SALUD	
AROD	Rodeo	
AROL	Arenal Observatory Lodge	
ARON	Aranos	
ARP	Angono	
ARPN	Arnold River Power Station	
ARPR	Arapgir-MALATYA	
ARPS	Mount Arapiles	
ARPT	Arp	
ARQ	Araqi	
ARR	Arges	
ARRA3	Arraijan, Panama	
ARRM	Rickey Ranch	
ARRO	Arrone	
ARRY	Arrayan	
ARRZ	Ararat	
ARS	Arshan	
ARS1	Argos	
ARSA	Arzberg	
ARSB	Arslanbob	
ARSD	Arsdorf	
ARSH	Arusha	
ARSS	Ar Rass	
ARST	Arsuz	
ART	Arta	
ART2	Arta	
ARTB	Arta	
ARTF	Artigues	
ARTI	Arti	
ARTJ	Al Aritein	
ARTL	Arthez-de-Bearn	
ARTM		
ARTO	Ro Cuarto de Alajuela	
ARTR	Artybash	
ARTS	Artic	
ARTT	Arusha	

Code	*Station Name*	*Other*
ARTV	Artvin	
ARU	Arti	
ARUT	Antelope Range	
ARUZ	Aruch	
ARV	Arcevia	
ARVA	Beit Ha Arava	
ARVC	Arvin	
ARVD	Arcevia	
ARVI	`Arava Valley	
ARVN	Arviat, NU	
ARWM	Richard P. Wilkes	
AR-WS	Aurora	
ARX	ARAXOS	
ARXR	Arkhyz	
ARXS	Arharly	
ARY	Ariccia, Rome	
ARZA	Esparza	
ARZK	Arzakan	
AS01	Alice Springs Array Site 1	
AS02	Alice Springs Array Site 2	
AS03	Alice Springs Array Site 3	
AS04	Alice Springs Array Site 4	
AS05	Alice Springs Array Site 5	
AS06	Alice Springs Array Site 6	
AS07	Alice Springs Array Site 7	
AS08	Alice Springs Array Site 8	
AS09	Alice Springs Array Site 9	
AS10	Alice Springs Array Site 10	
AS11	Alice Springs Array Site 11	
AS12	Alice Springs Array Site 12	ASAR
AS13	Alice Springs Array Site 13	
AS14	Alice Springs Array Site 14	
AS15	Alice Springs Array Site 15	
AS16	Alice Springs Array Site 16	
AS17	Alice Springs Array Site 17	
AS18	Alice Springs Array Site 18	
AS19	Alice Springs Array Site 19	
AS31	Alice Springs Site	
ASA	Asahikawa	
ASAI	AK-SAY(Kyrgyzstan)	
ASAJ	Asahikawa	
ASAK	Asacha	
ASAL	Salagasta	
ASAM	Ecuador-Same-Casa blanca conjunto D'capri	
ASAN	Yemen, SAN	
ASAO	Ashtian	
ASAR	Alice Springs Array Beam Reference Point	
ASAT	Asagicarikuru	
ASAY	DHOFAR2 - YR, SAY	
ASB	Amchitka	
ASBA	Santa Barbara	
ASBU	Astronaut Butte, Newberry	
ASC	Amchitka	
ASCB	Sierra Cabrera	
ASCJC	ENARSA 02	
ASCL	Ascoli Piceno (IT)	
ASCN	Ascension	
ASCNK	ENARSA 01	
ASCOL	Ascoli Piceno	
ASCTL	TRES LAGOS	
ASD	Amchitka	
ASDO	Santo Domingo	
ASE	Aserradero	
ASEAF	Site Antares, Toulon	
ASEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ASF	Jabal al Asfar	
ASG	Minamiashigara	
ASGA	Asgata	
ASGO	Asiago	
ASH	Ashkhabad	
ASH19	Ascension Island Hydrophone Array Site 19	
ASH21	Ascension Island Hydrophone Array Site 21	
ASH23	Ascension Island Hydrophone Array Site 23	
ASH24	Ascension Island Hydrophone Array Site 24	
ASH25	Ascension Island Hydrophone Array Site 25	
ASH26	Ascension Island Hydrophone Array Site 26	
ASH27	Ascension Island Hydrophone Array Site 27	
ASH29	Ascension Island Hydrophone Array Site 29	
ASHAI	AfricaArray - AF, SHAI	
ASHG	Umm Shaghir	
ASHIO	DHOFAR2 - YR, SHIO	
ASHJ	Ashqof	
ASHL	ASHL	
ASHO	Ashiyiah	
ASHS	Asacha	
ASHT	Ashkhabad	
ASHY	Ashley	
ASI	Mount Amassa	
ASIG	Aasiaat, Greenland	
ASILE	Silsa - SILE	
ASIR1	ASIR1	
ASIR2	ASIR2	
ASIR3	ASIR3	
ASIR4	ASIR4	
ASIR5	ASIR5	
ASJ	Aso san	
ASK	Askoy	
ASKD	Sinn el Kaddab	
ASKU	Askersund	
ASL	Abu Simbel	
ASLC	ador-Salcedo-Hospital al Yerovi Mackuart	
ASLZ	PUERTO SAN LORENZO	
ASM	Asama Yama	
ASM1	Bucuresti	
ASME	Asmera	
ASMM	Slate Mountain	
ASMO	Sierra Morrones	
ASNY	Au Sable	
ASO	Aso	
ASOL	Asolo	
ASOR	Ausora	
ASOS	Asosa University, Asosa	
ASP	Alice Springs	
ASPA	Alice Springs	
AS-PA	Altoona	
ASPF	Aspremont	
ASPR	Albergue Olimpico Salinas	
ASPSP	Arquipelago de Sao Pedro e Sao Paulo - PE, Brazil	
ASPU	Aespoe	
ASQU	Asqua	
ASR	Mount Adams--Stagman Ridge	
ASR1	Anjero-Sudjensk, Russia	
ASRI	Aserri	
ASRM	Slough House Road	
ASS	Assisi	
ASSB	Assisi San Benedetto	
ASSBE	Assab	
ASSE	Asse, Remlingen/Germany	
ASSG	Aftenstjerne Lake, Greenland	
AST	Butare	BTR
AST1	Astakos	
ASTA	Astypalaia	
ASTB	Santa Barbara	
ASTI	Asti	
ASTN	Avondale Springs	
ASTR	Astara	
ASU	Arizona State University	
ASUD	Al Ashush, Dubai	
ASUM	Asumbi	
ASUT		
ASUZ	Hatay-Arsuz	
ASW	Aswan	
ASYA	Kumbag-TEKIRDAG	
ASYE	Asayita	
ASYS		
ASZ	Ashizuri	
AT-	Austin	AT-NV
AT01	Promano (Citt di Castello) - PG	
AT02	Lugnano (Citt di Castello) - PG	
AT03	Montalto (Apecchio) - PU	
AT03E	Loutropirgos, AT03	
AT04	Castiglione Aldobrando (Gubbio) - PG	
AT04E	Ano Thoriko, AT04	
AT05	Racchiusole (Umbertide) PG	
AT06	Poggio Sant'Ercolano (Gualdo Tadino) PG	
AT07	Catigliano (Citt di Castello) - PG	
AT08	Fraticciola Selvatica (Perugia) - PG	
AT09	Santa Cristina (Gubbio) - PG	
AT1	West Kanaga	AK1
AT10	Torre dell'Olmo (Gubbio) - PG	
AT11	Monte Civitello	
AT2	South Tanaga	AK2
AT3	North Tanaga	AK3
ATA	Atar	
ATA5	Erzurum, Merkez	
ATAB	Bozova	
ATAF	Djebel Tarf	
ATAH	Atahualpa	
ATAL	Atalanti	
ATAN1	tny	
ATAN2	tny	
ATAN3	tny	
ATANC	Embalse El Atance (Siguenza - Guadalajara)	
ATAQ	`Ataq	
ATB	Altamira	
ATBU	Serra di Burano	
ATC	Attachie	
ATCA	Cantone	
ATCC	AVT- Casa Castalda	
ATD	Arta Tunnel	
ATDB	Astolofo Dutra	
ATE	Arette	
ATEBE	AfricaArray - AF, TEBE	
ATEI	TEI Chania	
ATEJ	Tejeda	
ATEN	Tena	
ATEO	Atenas	
ATES	Arlington Trafton Elementary School	
ATFO	Monte Foce - Gubbio	
ATG	Ambohiby	
ATGJ	Altiaghaj	
ATGZ	Broadband at La Diserade, Guadeloupe	
ATH	Athens Observatory	
ATH5	Athens Parliament	
ATHA	Athabasca	
ATHAL	Athalassa	
ATHP	Athens-Neo Psichiko	
ATHR	Atheras, Cephalonia Island, Greece	
ATHU	Athens University	
ATI	Atico	
ATIP	Tipaza	
ATIT	Gnen	
ATKA	Atka Island	
ATKB	Taksebt	
ATKJ	Tikjda	
ATKO	Atikokan Iron Mine	
ATKR	Artyk	
ATL	Atlanta	
ATLB	Atluck Lake	
ATLC	uador-Tulcan-Hospital l Luis G. Davila	
ATLO	AVT- Montelovesco	
ATM	Atsumi	
ATM1	UHE Belo Monte	
ATMC	Monte Cedrone	
ATMI	Monte Miggiano Umbertide	
ATN	Antennamare	
AT-NV	Austin	
ATO	Altona	
ATON	ador-Tonsupa-conjunto to Habitacional Cabaplan	
ATOT	Gabel Atot	
ATP	Archer Taylor Preserve	
ATPA	Allentown	
ATPC	Poggio Castellaccio	
ATPI	Pietralunga - Aviosuperficie	
ATPZ	Tipaza	
ATR	Alsterbro	
ATR1	Atar 1	
ATRB	Yemen, TRB	
ATRE	Renzetti	
ATSA	Atessa	
ATSC	Scheggia e Pascelupo	
ATT	Attica	
ATTE	AVT- Monte Tezio	
ATTU	Attu Island--Fox	FX1
ATTUG	Attu	
ATU	Athens Obs.	ATH
ATUL	Tulcn	
ATVA	AVT- Monte Valcinella	
ATVM	ATLACOMULCO	
ATVO	AVT- Monte Valentino	
ATWT	Mason Hall	
ATX	Austin	
ATYC	Atoyac	
ATZ	Mount Atzmon	
AU08	Settrington	
AU2	Augustine Island	
AU22	Augustine Mound	
AUA1	Aruba	
AUALB	St Joseph's College, Albany	
AUALC	St Philip's College	
AUAYR	Ayr State High School	
AUBOZ	BOZOYUK	
AUBRM	Broome Senior High School	
AUBRN	Burnie High School	
AUBSH	Beerwah State High School	
AUBUS	Georgiana Molloy Anglican School, Busselton	
AUC	Auckland	
AUCA	Auca	
AUCAR	St Mary Star of the Sea, Carnarvon	
AUCAS	Cummins Area School	
AUCH	Augustine Cone H	
AUCSH	Cairns State High School	
AUD	Augustine Domo	
AUDAR	Daramalan College	
AUDCS	Dubbo College Senior Campus	
AUDHS	Darwin High School	
AUE	Augustine Island	
AUF	Augustine Flow	
AUG1	AUGUSTA	
AUGR	Augrabies	
AUH	Augustine H	
AUHAR	St Anne's School, Harvey	
AUHPC	Hawkesdale P12 School	
AUI	Augustine Island	
AUJA	Augustine Junction	
AUJCS	Jamestown Central School	
AUJK	Augustine Juegen Kienle	
AUK	Auki	
AUKAL	John Paul College, Kalgoorlie	
AUKAR	St Luke's College, Karratha	
AUKAT	Katherine High School	
AUKHS	Kincumber High School	
AUKIR	Kırka- Seyitgazi ESKISEHIR	
AUKSC	Keysborough Secondary College	
AUKUL	Kulin High School, Kulin	
AUKUT	KUTAHYA	
AUL	Augustine Lava	
AULA	Aulla	
AULHS	Lilydale High School, Lilydale	
AULRC	Lightning Ridge Central School	
AUM	Augustine Mound	
AUMAG	Moama Anglican Grammar School	
AUMAR	Marden Senior College	
AUMAZ	Mazenod Senior College, Perth	
AUMBR	Murray Bridge High School	
AUMHS	Melrose High School	
AUMIH	MIHALICIK	
AUMOU	Moura State High School	
AUMTC	Mt Clear College-Earth Ed	
AUMTS	Mt Stromlo	
AUMUL	Mullumbimby High School	
AUNHS	Nhulunbuy High School	
AUNRC	North Rockhampton State High School	
AUNW	Augustine NWest	
AUP	Augustine Pinnacle	
AUPHS	Peel High School	
AUQ	Augustine Qik'rtamen	
AUQP	San Andres	
AUR	Aurakhmat	
AURF	Auriere	
AURMK	Renmark High School	
AUROX	Roxby Downs High School	
AURSC	Rosebud Secondary College	
AUS	Austin	
AUSC	Austin Creek State Park	
AUSE	Augustine SEast	
AUSIS	Research School of Earth Sciences	
AUSIV	SIVRIHISAR	
AUSMG	Snowy Mountains Grammar School, Jindabyne	
AUSN	Aus	
AUSP	Uspallata	
AUSSC	Sale College, Sale	
AUT	El `Aiyat	
AUTAR	Taroona High School, Taroona	
AUTKS	The King's School, Parramatta	
AUTN	L'Aution	
AUTOO	Toowoomba State High School	
AUUHS	Ulladulla High School, Ulladulla	
AUW	Augustine West	
AUWSH	Wavell State High School	
AV03	Acelerografo, Sucumbios - Lumbaqui	
AV05	Acelerografo, Napo - El Salado	
AV11	Acelerografo, Pichincha - Guayllabamba	
AV18	Acelerografo, Esmeraldas - Quininde	
AV21	Acelerografo, Esmeraldas - Viche	
AVAS	Avala Beograd	
AVC	Adobe Valley	
AVCB	Coban	
AVCI	Avcilar-stanbul	
AVCS	Chisec, Alta Verapaz	
AVDN	Avdancik/Bursa	
AVE	Averroes	
AVEN	Fontenotte	
AVF	Avril sur Loire	
AVFE	Valle Fertil	
AVFP	Avril sur Loire	
AVG3	Avigliano	
AVH	Avacha	
AVHO	Avellino Ospedale	
AVI	AVIANO	
AVIN	Avinyo	
AVIZ	Vizcacheras	
AVL	Avellino	
AVN	Avellanes	
AVNC	Asheville	
AVNL	Avenal, CA USA	
AVNS	Nevsehir-Avanos	
AVNT	Avonos	
AVO	Avon	
AVOE	Asama Observatory	
AVOW	Apres Vouz Peak	
AVPA	Panzos	
AVR	AVREN	
AVRM	Valley Road Site	
AVS	AVASINIS	
AVSP	Avenal State Prison	
AVT	AVETRANA	
AVX7	Acelerografo, Napo - Santa Rosa de Quijos	
AVY	Angavokely	
AVZ	AVEZZANO	
AVZA	Avellino cab.Zagari	
AWA	Amchitka	
AWAE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
AWAL	West Alisa	
AWANZ	Awakeri	
AWAZ	Awhitu Peninsula	
AWBH		
AWDQ	Awoonga Dam 3	
AWEE	Awra	
AWH	Whinburgh	
AWI	Antigua	
AWI1	Witton	
AWKA	Awka	
AWKL	West Kalabsha	
AWKZ	awakinopoint	
AWND	Ethiopia, WND	
AWOON	Awoonga Dam	
AWRE	AWRE	
AWSE	Awash	
AWST	Adams West	
AX-	Alexander City	AX-AL
AX2	Alexander City	AX2AL
AX2AL	Alexander City	
AX-AL	Alexander City	
AXAR	Agios Charalampos	
AXCOZ	Aramac airstrip	
AXDP	Jialang	
AXS	Araxos	
AXZ	Alexandra	
AY-	Academy	AY-SD
AY01	Puyuhuapi	
AY02	Valle Exploradores	
AY03	Cochrane	
AY1S	Kobdi	
AY2S	Ozernaya	
AY3S	Tungusskii	
AYA	Ayagualo	
AYAC	Ayacucho	
AYAN	Aya Nagar	
AYAZ	Ayas Ky, orum	
AYCA	Ayacara	
AYCH	Puerto Aysen	
AYDB	Zeytinkoy-Aydin	
AYDN	Tasoluk	
AYDO	DHOFAR2 - YR	
AYE	Ayenquera	
AYK	Aydincik	
AYK2	Artyk	
AYKD	Aykdinkavak	
AYN	Al`Uyaynah	
AYNO	DHOFAR2 - YR	
AYNT	El Ayoun	
AYRK	Ayrk	
AYS	Ayseler	
AY-SD	Academy	
AYSN	Puerto Aysn	
AYT	Al `Ayyat	
AYUS	`Aynunah	
AYVA	Ayvalik	
AYVM	Ayaqueme	
AZ-	Amarillo	AZ-TX
AZ1C	Azucar	
AZAC	Aniakchak	
AZAM	Ecuador-Zamora	
AZAP	Zapla	
AZCA	Azaras, Argentina	
AZEY	Adıyaman-Merkez-ndere	
AZI	Avezzano	
AZJ	Azai	
AZL	Aizawl	

Code	Station Name	Other
AZMN	Azmana	
AZNN	Azmana	
AZO	Oaxaca	
AZOG	Ecuador-Azoguez-PUCE	
AZPT	GAD MUNICIPAL DE ZAPOTILLO	
AZ-TX	Amarillo	
AZU	Azuero	
AZU1	Azuela	
AZU2	Pedas	
AZUC	Azuc	
AZUL	Piedra Azul, Merced County	
AZVM	Cuida Lopez Mateos	
B001	Rancolfo	
B009	North Saanich	
B01	B01	
B010	North Saanich	
B011	North Saanich	
B012	Ucluelet	
B013	Quilcene	
B017	Montesano	
B019	Raymond	
B01S	B01S	
B02	B02	
B022	Seaside	
B023	Clatskanie	
B0297	Cambeca, A0297	
B02S	B02S	
B03	B03	
B03S	B03S	
B04	B04	
B040	Montague	
B04A	Port Angeles	
B04L	B04L	
B05	B05	
B05A	Bryant	
B05L	B05L	
B06	B06	
B06A	Marblemount	
B06L	B06L	
B07	B07	
B07A	Winthrop	
B07L	B07L	
B08	B08	
B08A	Colville Reservation, Omak	
B08L	B08L	
B09	B09	
B09A	Rice	
B09S	B09S	
B0DF	Kalawad	
B10	B10	
B10A	Chitwood Farm, Usk	
B10S	B10S	
B11	B11	
B11A	Sandpoint	
B11MX	Plaza Santa Maria, B11	
B11S	B11S	
B12	B12	
B12A	Libby	
B12S	B12S	
B13	B13	
B13A	Whitefish	
B13L	B13L	
B14	B14	
B14A	Marquette Ranch, East Glacier	
B14L	B14L	
B15	B15	
B15A	Bradely Ranch, Valier	
B15L	B15L	
B16	B16	
B16A	M & M Farms, Shelby	
B16L	B16L	
B17	B17	
B17A	L&G Farms, Chester	
B17L	B17L	
B18	B18	
B18A	Beardsley Farm, Havre	
B18K	Kokolik River	
B18S	B18S	
B19	B19	
B19A	Brinkman Farms, Chinook	
B19S	B19S	
B1NU	Baffin Island 1	
B20	B20	
B201	Coldwater, Mount Saint Helens	
B202	Windy Ridge, Mt. St. Helens	
B203	Quarry, Mount Saint Helens	
B20A	Solberg Farm, Malta	
B20K	Meade River	
B20S	B20S	
B21	B21	
B21A	Ellsworth Farm, Hinsdale	
B21K	Ikpikpuk River	
B22	B22	
B22A	Reddig Ranch South, Frazer	
B22K	Teshekpuk Lake	
B23	B23	
B23A	Brockton	
B24	B24	
B25A	Knox Farm, Ray	
B26	B26	
B26A	Jensen Ranch, Palermo	
B27	B27	
B27A	Peters Farms, Glenburn	
B28A	Dugan Ranch, Towner	
B29	B29	
B29A	Wagenman Farm, Cando	
B2NU	Baffin Island 2	
B30	B30	
B30A	Myrvik Farm, Edmore	
B31A	Greenbush Farm, Park River	
B32	B32	
B32A	Ashes, Strandquist	
B33	B33	
B33A	Robert and Kassanda Mosher, Grygla	
B34	B34	
B34A	Aery, Baudette	
B35	B35	
B35A	Bob, Littlefork	
B36	B36	
B37	B37	
B38	B38	
B39	B39	
B40	B40	
B41	B41	
B42	B42	
B43	B43	
B44	B44	
B46	B46	
B49	B49	
B50	B50	
B51	B51	
B52	B52	
B53	B53	
B54	B54	
B55	B55	
B56	B56	
B57	B57	
B58	B58	
B59	B59	
B5GA	5 Glenshane	
B60	B60	
B61	B61	
B62	B62	
B63	B63	
B64	B64	
B65	B65	
B66	B66	
B67	B67	
B70	B70	
B71	B71	
B72	B72	
B73	B73	
B74	B74	
B75	B75	
B82	B82	
B926	Mesachie Lake	
B927	Port Alberni	
B928	Bamfield	
B941	Kapowsin	
BA-	Baldwin	BA-WS
BA01	Aachen	
BA02	Stolberg	
BA03	Weissweiler	
BA04	Fiesheim UWZ	
BA05	Sindorf	
BA06	Horem	
BA07	Koln University	
BA08	Dellbruck	
BA09	Bensberg	
BA10	Klein Altendorf	
BA11	Duren	
BA12	Beaesweiler	
BA13	Heinsberg	
BA14	Wollersheim	
BA15	Heimerzheim	
BA16	Vanikum	
BA17	Glehn	
BA18	Steinbach	
BA19	Koln Dom Grabung	
BA1R	Ufa	
BA26	Kln Uni	
BA30	Drwiss	
BAA	Buenos Aires	
BAB	Beni-Abbes	
BABA	Baden-Baden-Neuweier	
BABD	Babadag-Denizli	
BABE	Bainbridge School	
BABI	Panoche/Babies Gulch CA	
BABR	Babbit Peak	
BAC	Bacau	
BAC4	Bacau	
BACC	Bachelor Mtn.	
BACF	Baccarat	
BACH	Barnechea	
BACM	Baccana	
BACQ	Baie-Comeau	
BACT	New Taipei City	
BACU	Backbrunna	
BAD	Bernadia	
BADA	Al Bad`	
BADI	Badiali	
BADN	Badegauja	
BADR	Badr	
BADS	Badasada Odisha,India	
BADT	Buyukada	
BAE	Brasilia	
BAE1	Brasilia Array Site E1	
BAE2	Brasilia Array Site E2	
BAE3	Brasilia Array Site E3	
BAE4	Brasilia Array Site E4	
BAE5	Brasilia Array Site E5	
BAEE	Brasilia Array Site EE	
BAF	Belacker	
BAF*	Baguio	
BAG	Baguio City	
BAG2	BAG2	
BAG8	Bagolino	
BAGA	Bagaces	
BAGA3	Bagala, Chiriqui	
BAGH	Bagheran - Birjand	
BAGL	Bagley Icefield	
BAGO	Egridir - ISPARTA	
BAGT	Foa	
BAH	Barrette	
BAHB	Baha de los ngeles	
BAHI	Ethiopian Broadband Seismic Experiment	
BAHL	Ahlen	
BAHR	High School, Bahir Dar	
BAHS	BAHS	
BAHS2	Abu Rakh	
BAI	Bari	
BAI*	Bari	
BAI2	Baranello	
BAIB	Barry Inlet	
BAIF	Baives	
BAIL	Bailesti	
BAIN	Barcelona - Plaa de Tetuan	
BAIP	Bacoli Parco Archeologico Terme di Baia	
BAIR	Buenos Aires, Puntarenas	
BAJI	Socah, Jawa Timur	
BAJU	Barcelona - Ciutat Vella	
BAK	Baki	
BAKC	Calstate	
BAKI	Biak	
BAKL	Baklan-Denizli	
BAKO	Makambako	
BAKR	Baker Fire Station, Cottonwood	
BAKU	Bakultala	
BAL	Ballidu	
BAL01	BUONALBERGO	
BAL3	Balbina	
BAL3X	Bal3x, Balta	
BALA	Baldy Mountain	
BALAH	Balakhonka, Kuzbass, Russia	
BALAK	Balakhany	
BALAT	Bala	
BALB	Balikesir	
BALC	Balcom Canyon	
BALD	Monte Baldo	
BALG	Balingen, Zollernalbkreis	
BALH	Baltimore	
BALI	Monte Baldo	
BALJ	Balqa	
BALM	Baldy	
BALN	Balbina	
BALP	Baler	
BALS	Balsiges	
BALST	Balsthal	
BALT	Daday	
BALY	Balya	
BALZ	Balzar	
BAM	Barrage Abdel Moumen	
BAMF	Morne Balai	
BAN	Banff	
BAN1	Bani Escuela	
BANB	Mongolia, Bayanulgii	
BANCO	falda S V. Baru	
BAND	Bandırma, Balıkesir	
BANE	Gulf of Nicoya	
BANG	Mbangamawe	
BANG1	Bangula	
BANI	BANI	
BANL	Banca Lucia	
BANM	Bannockburn	
BANO	Bancroft	
BANOM	Banah	
BANR	Banloc	
BAO	Brasilia Array Centre Point	
BAP	Bailey Peak	
BAP*	Basco	
BAPM	Anderson Peak	
BAPR	Bucharest-Childs Park	
BAR	Barrett	
BAR1		
BARA	Bahrah	
BARB	Barbacena	
BARBE	Puget-Rostang	
BARBL	Kfar Habou, BARB	
BARC	Barichara	
BARD	Bardarbunga	
BARE	Barantu	
BARI	Barisis-aux-bois	
BARK	Barkley Ridge	
BARL	BARLOMIN CHICO	
BARN	Barnard Glacier	
BARO	Barbarano Romano	
BARS	Barje	
BART	Pico Bartolomeu	
BARV	Barcelona	
BAS	Basle	
BAS01	BAS01	
BAS02	BAS02	
BAS03	BAS03	
BAS04	BASELICE	
BAS05	BAS05	
BAS06	BAS06	
BAS08	BAS08	
BAS09	BAS09	
BAS0D	BAS04	
BAS1	Brasilia Array Site S1	
BAS10	BAS10	
BAS11	BAS11	
BAS12	BAS12	
BAS14	BAS14	
BAS15	BAS15	
BAS16	BAS16	
BAS17	BAS17	
BAS18	BAS18	
BAS19	BAS19	
BAS2	Brasilia Array Site S2	
BAS20	BAS20	
BAS21	BAS21	
BAS22	BAS22	
BAS23	BAS23	
BAS24	BAS24	
BAS3	Brasilia Array Site S3	
BAS4	Brasilia Array Site S4	
BAS5	Brasilia Array Site S5	
BASC	Basecamp	
BASD	Buyukada	
BASE	Brasilia Array Site SE	
BASH	Bashay	
BASHA	Basha	
BASI	Baing, Sumba	
BASIC	BASICO'	
BASK	Baskale_VAN	
BASM	Basmakı-Afyon	
BASO	Ashfield	
BASOT		
BASP	Panama	
BAT	Bayram-Ali	
BAT2	UHE Batalha	
BAT3	Ipameri	
BAT5	Ipameri	
BATAN	Batan	
BATC	Bat Cave Butte	
BATG	Bathurst New Brunswick	
BATH	Bath	
BATI	Baumata	
BATM	Batumi	
BATN	Batina	
BATO	Ticaya	
BATP	Bataraza	
BAU	Ballabur	
BAUT	Bautismo	
BAUV	El Baul	
BAV	Blacksburg	
BAVM	Antelope Valley	
BAVN	Auguste-Victoria Mine North	
BAW	Bavra	
BAW1	Brasilia Array Site W1	
BAW2	Brasilia Array Site W2	
BAW3	Brasilia Array Site W3	
BAW4	Brasilia Array Site W4	
BAWE	Brasilia Array Site WE	
BA-WS	Baldwin	
BAX	Bahia de los Angeles	
BAY	Bayanday	
BAYA	Yate Dam	
BAYB	BAYBURT	
BAYC	CANAKKALE_Bayramic	
BAYK	Bayan-Aul	
BAYL	Bayliss	
BAYN	Bayana	
BAYS	Baysun	
BAYT	Aydıntepe-Bayburt	
BAZ1	Bazman	
BB-	Bloomsburg	BB-PA
BB01	Montecillos	
BB02	La Guardia	
BB03	San Joaqun	
BB04	Tambo Quemado	
BB05	Carapari	
BB06	Yocalla	
BB07	Casarave	
BB08	Puerto Suarez	
BB16B	Bebedouro	
BB19	Bebedouro	
BB19B	Bebedouro	
BB22B	Bebedouro 22, SP (Brazil)	
BB32		
BBA	Boulbra	
BBAC	Balboa, Cauca	
BBAL	Bala	
BBAT	Babati	
BBB	Bella Bella	
BBB4	Pezza	
BBBCM	Bonto Bahari	
BBC	Big Bear	
BBCM	Bontocani, Sulawesi Selatan	
BBD	Blackbird State Forest	
BBEB	Bay Bridge East	
BBG	Brasstown Bald	
BBGB	Big Mountain Broadband	
BBGH	Gun Hill	
BBGM	Big Mountain	
BBH	Bruntsheil	
BBI	Big Bend	
BBIL	Ulba Tungurahua	
BBIR	Bucharest-INCERC-borehole	
BBJ	Bamboo Saint Ann	
BBJI	Bungbulang	
BBJM	Bubulan, Jawa Timur	
BBK	Bangbang-kol	
BBKI	Banjar Baru	
BBL	Barber's Block	
BBLB	La Banda, Bolivia	
BBLS	Lazia	
BBM	Big Bend	
BBN	Black Butte	
BBNM	San Benito	SBT
BBO	Besboro Island	
BBO1	Bothel	
BBOB	La Paz, Banderani	
BBOD	La Paz, Gloria	
BBOE	La Paz, Chanca	
BBOJ	La Paz, Jacaque	
BBOO	Buckleboo	
BBOR	Butler Butte	
BBOU	Bougnies	
BBP	Basco	
BB-PA	Bloomsburg	
BBPB	Basco Batanes	
BBPS	Puerto Suarez	
BBR	Beebe Ranch	
BBRB	Robore, Bolivia	
BBRC	Big Bear Solar Observatory, Big Bear Lake	
BBRN	Bozburun-Marmaris	
BBRT	Rincon del Tigre	
BBS	Basel-Blauen	
BBSC	Beaumont Base	
BBSD	Serra de San Diablo, Bolivia	
BBSI	Bau Bau	
BBSP	Saint Philip	
BBSR	BB Station	
BBT	Barrage Ibn Batouta	
BBTK	Belbasi	
BBTN	Blue Bank Bayou	
BBTS	Babate	
BBU	Al Budayyi	
BBUT	Bumble Bee	
BBW	Black Birch	
BBWF	Bergwerk Finstertal	
BC01	Beaver Creek Array Site 1	
BC02	Beaver Creek Array Site 2	
BC03		BCA3
BC04	Beaver Creek Array Site 4	
BC05	Beaver Creek Array Site 5	
BC2	Big Chuckwalla Mountains 2	
BC2V	Than Uyen	
BC3	Big Chuckawalla Mtns, Desert Center	
BC3*		BCA3
BC3P	Paso Ancho	
BC84	Volcan Momotombo	
BC86	Nagarote	
BC87	San Francisco Libre	
BCA	Borcka	
BCA3	Beaver Creek Array Site 3	BCAR
BCAA	Base Cientifica Antartica Artigas	
BCAM	Yenicaga	
BCAO	Bangui	
BCAR	Beaver Creek Array Beam Reference Point	
BCB	Big Creek Baldy	
BCBC	Bella Coola	
BCC	Colson Canyon	
BCC1	Chapelcross	
BCCC	Bear Creek Country Club, Murrieta	
BCCH	Brava--Cachaco	
BCCR	Big Chico Creek Reserve, CA USA	
BCD	Casitas Dam	
BCE	Book Cliffs East	
BCES	Court-Saint-Etienne	
BCG	Bois Riant Capesterre	

Code	*Station Name*	*Other*
BCGM	Cienega Road	
BCH	Branch Mountain	
BCHC	Barbados, Cave Hill Campus	
BCHG	Becho	
BCHM	Black Canyon North	
BCI	Bajram Curri	
BCIG	La Boquilla	
BCIP	Isla Barro Colorado	
BCK	Bucak	
BCKR	Birch Creek	
BCL	Casitas Lake	
BCLA	Clavier	
BCLI	Bacoli	
BCLQ	Boischatel	
BCM	Basin Creek	
BCN	Boulder City	
BCO	Cerro Blanco	RTCB
BCO2	Palmira	
BCOH	Blue Creek Ohio	
BCOK	Bluff Creek, North Oklahoma City	
BCON	Beacon, Western Australia	
BCOV	Beaver Cove	
BCP	Baguio City	
BCPH	Baguio City Dairy Farm	
BCPM	Bancas Point	
BCR	Bucaramanga	
BCRT	Bacon Ridge	
BCS	Baptist College of Charleston	
BCS*	Brasilia Array	
BCSO	Bloom-Carroll	
BCSR	Castelsaraceno	
BCT	Brookfield	
BCU	Bear Canyon	
BCUT	Brigham City	
BCVB	Bac Can	
BCW	Bitter Crk WRge	
BCWM	Chews Ridge	
BCX	Boston College	
BCYI	Bear Canyon	
BCZ	Braida Crags	
BD-	Bedford	BD-PA
BD01	Bergheim Laurentius Kirche	
BD02	Tagebau Bergheim	
BD03	Millendorf	
BD04	Gut Margarthenhoehe	
BD05	Hambach	
BD07	Roetschberg	
BD08	Hambach Funkstation	
BD09	Hochneukirch	
BD10	Pesch	
BD11	Borschemich	
BD12	Bourheim	
BD13	Immerath	
BD14	Kuckum	
BD15	Terra Nova	
BDA	Boulder Dam	
BDAR	Ethiopian Broadband Seismic Experiment	
BDAS	Al Bad`	
BDB	Bagneres-Bigorre	
BDBC	Bennett Dam	
BDBI	Badung, Bali, Indonesia	
BDC	Boulder	
BDCM	Banawa Selatan, Sulawesi Tengah	
BDCS	Balclutha District Council	
BDF	Brasilia (W)	
BDFB	Brasilia	
BDG	Badger Mountain	
BDGH	Bhadarwah	
BDGO	Bedonia Gallareto	
BDH	Highclere	
BDHA	Al Bayda'	
BDI	Bagni Di Lucca	
BDID	Brownlee Dam	
BDJL	Bahadjhola, Orissa	
BDL	Dobcross Hall	
BDM	Black Diamond Mines Park, Antioch	
BDMQ	Boondooma Dam	
BDMTA	Bald Mountain Lookout Tower, Alberta	
BDN	Bodon	
BDNM	Bernardo	
BDO	Budoia	
BDP	Broad Pass	
BD-PA	Bedford	
BDQN	Bodoquena, MS	
BDR	Baidarnaya	
BDRD	Badogoroda	
BDRM	Kayabasi	
BDRN	Badran	
BDRS	Dareh Seyedi	
BDRWA	Bhadarwah	
BDS	Barbados	
BDSL	Dessel	
BDSO	Brigada del Sol, Mexicali	
BDT	Bhumibol Dam	
BDU	Big Dutch Hollow	
BDV	Budva	
BDW	Boulder	
BE-	Belleview	BE-FL
BE1	Monatshausen	
BE13	Bebedouro13	
BEA	Beatty	BTY
BEA1	Bear Island, Norway, Site 1 of Bear Island Array	
BEA2	Bear Island, Norway, Site 2 of Bear Island Array	
BEA3	Bear Island, Norway, Site 3 of Bear Island Array	
BEA4	Bear Island, Norway, Site 4 of Bear Island Array	
BEA5	Bear Island, Norway, Site 5 of Bear Island Array	
BEA6	Bear Island, Norway, Site 6 of Bear Island Array	
BEAC	Beacon	
BEAD	Nord Galaele Koma	
BEAR	Bear Island, Norway, Bear Island Array Beam Reference Point	
BEAST	Barkley East,Eastern Cape	
BEAU	Beaufort	
BEAV	Portland	
BEAVL	Fort Liard	
BEAW	Beaver Mountain	
BEB	Belem	
BEB22	Bebedouro	
BEBN	Eben Emael	
BEC	Bermuda--Columbia	
BECE	Buyukeceli-Mersin	
BECQ	Becancour	
BECU	Ecuador Network	
BED	Bald Eagle	
BEDC	Bedrichov	
BEDE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
BEDF	Bedfield, Suffolk	
BEDO	Bendorf-Stromberg	
BEE	Al Areen	
BEEN	Beenleigh	
BE-FL	Belleview	
BEG	Bergheim	
BEGA	Bega, NSW	
BEGF	Beganne - 56011 - Morbihan - Bretagne - France	
BEH	Bench	
BEHE	Becsehely	
BEHM	Elkhorn Ranch	EKH
BEI	Bear River Range	
BEIL	Beino	
BEK	Belvue	
BEKO	Bekoji	
BEKR	Beckworth	
BEL	Belsk	
BEL3	Bella	
BEL7	BELLA UFFICI GIUDIZIARI	
BELA	Belgrano 2	
BELAX	Ethiopian Broadband Seismic Experiment	
BELC	Belle Mtn. Joshua Tree, Twentynine Palms	
BELD1	Inskoy, Kemerovskaya Oblast', Russia	
BELE	Belen	
BELF	Belforte del Chienti	
BELG	Belogornoye	
BELGA	Beleg	
BELI	Belica	
BELL	Bellavista	
BELO	BELONIA	
BELQ	Belleterre	
BELV	Belvedere	
BELVR	Belvoir	
BEM	Bemidji	
BEMM	Emmet	EMT
BEMT	Mount Belmont	
BEN	Bermuda-Navy	
BENA	BENADO ABAJO	
BENC	Bencubbin	
BEND	Bend	
BENE	Beatrice	
BENI	Universita' Del Sannio	
BENN	Benn Knob	
BENR	Benton	
BENV	Beln	
BENWA	Benson Ranch	
BEO	Beograd	
BEOR	Beer Ora	
BEP	Beppu	
BER	Bergen	
BER11	Berezniki, Zyrianka	
BERA	Berati	
BERA1	Berat	
BERE	Bereket-Mersin	
BERF	Bertagne	
BERG	Berg Lake	
BERGE	Lenzkirch (DE)	
BERI	Bernadia	BAD
BERL	Berlin (NY)	
BERN	Bernov	
BERNI	Berninapass	
BERR	Berezeni	
BERS	Berezovaya	
BERT	Berda	
BERU	Beregovo	
BES	Besancon	
BESB	Sao Joao Dos Patos	
BESE	Bessie Mountain	
BESHS	BESHS	
BESN	Besneville	
BESP	Borongan	
BEST	Besiri	
BET	Bethel	
BETC	Betania	
BETH	Bethel	
BETHI	Bethincourt	
BETM	Bethany	
BETMI	BETM	
BETT	Bettona	
BETV	Betijoque	
BEU	Beuren	
BEUR	Beuren	
BEV	Beverley	
BEVE	Beverly	
BEVG	Clark Hill Reservoir	
BEVN	Bevans Ridge	
BEVT	Boeing Everett	
BEW	Beaufort West	
BEY	Berane	IVA
BEYE	izmir	
BEYL	Beirut	
BEYR	Belyy Ugol'	
BEYT	Beykoz	
BF-	Bakersfield	BF-CL
BFC	Buffalo Canyon	
BF-CL	Bakersfield	
BFD	Bellfield	
BFF	Buffalo-Larkin	
BFKLF	Buffelskloof,Oudtshoorn	
BFM	Bigfork	
BFMT	Birchfield Mountain	
BFO	Black Forest	
BFOD	Brorfelde Observatory, Denmark	
BFON	Badsfontein, Murraysburg, Western Cape	
BFRD	Fardella	
BFS	Buffelsfontein	
BFSB	Bamfield	
BFSC	Mount Baldy Ranger Station	
BFSD	Buffelsfontein	
BFT	Belfast (SA)	
BFW	Baw Faw Mountain	
BFZ	Birch Farm	
BG-	Bangor	BG-ME
BG01A	Skala	
BG02A	Smolnica	
BG03A	Sucha_Reka	
BG04A	Jeravna	
BG05A	Vinarsko	
BG11A	Hljabovo	
BG12A	Mamarchevo	
BG13A	Balgari	
BG19A	Bojichen	
BG3	Lake Jocassee	
BGA	Mount Bagana	
BGB	Big Butte	
BGC	Bolinger Road	
BGCA	Bogoin	
BGCM	Balaesang, Sulawesi Tengah	
BGD	Bogdanovka	
BGDB	Bigeumdo	
BGES	Gesves	
BGF	Bois d'Agland	
BGG	Burgeitz	
BGH	Bear Gulch	
BGI	Bengkulu	
BGII	BGI	
BGIO	Bar Giyyora	
BGK	Belogorka	
BGK2	Belogorka 2	
BGKT	Bogazkoy	
BGKY	Bowling Green	
BGL	Barrier Glacier	
BGLA	Bagni Di Lucca	
BGLC	Bering Glacier BLM Camp	
BGLD	Berchtesgaden	
BGLV	Boslevi	
BGM	Big Mountain	
BG-ME	Bangor	
BGMO	Bergamo	
BGMR	Bucharest-Geological Museum	
BGMT	Barton Gulch	
BGN	Big Creek	
BGNE	Belgrade	
BGNO	Bagnone	
BGO	Bowling Green	
BGOH	Bowling Green Firelands Ohio	
BGOL	Bingol	
BGP	Bagra	
BGR	Bangor (NY)	
BGRA	Bagno di Romagna	
BGRM	Barrier Glacier Two	
BGRQ	Glenroy	
BGSB	Baguashan	
BGSO	Bowling Green State University	
BGT	Bolshoye Goloustnoye	
BGU	Big Grassy Mountain	
BGUAL	Bijagual, Panama	
BGUS	Bergheim	
BGV	Bac-Giang	
BGY	Belgrade	
BGZ	Barguzin	
BH-	Burwash Landing	BH-YK
BHA	Broken Hill	
BHAC	Bhachau	
BHAR	Bharisain	
BHAT	Bhatsa	
BHB	Bricherasio	
BHBD	Braunhartsberg	
BHC	Bohunice	
BHCM	Bahodopi, Sulawesi Tengah	
BHD	Baghdad	
BHDI	Bhandari	
BHE	Schloss Buerresheim	
BHG	Bad Reichenhall	
BHGR	Bahadurgarh	
BHH	Howats Hill	
BHHZ	Black Hill Station	
BHI	Bertha Hill	
BHJ	Bhuj	
BHK	Bhakra	
BHKY	Bowman Hall	
BHL	Bhannes	
BHM	Barham	
BHMN	Bhimchula	
BHMT	Big Hole Peak	
BHO	Bethel	
BHOF	Ruhr-University Bochum -- Hof Stiepel	
BHOK	Bomura	
BHOU	Houvegnez	
BHP	Balboa Heights	
BHPC	Baldwin Hills Oil	
BHPL	Bhopal	
BHPR	Bishop	
BHRA	Bahrah	
BHRD	Bharudia	
BHRM	Hodges Ranch	
BHS	Barnard House	
BHSM	Hastings State Park	
BHSMM	Behrang	
BHSO	Botkins High School	
BHT	Blowhole	
BHU	Blowhard Mountain	
BHUJ	Bhuj	BHJ
BHUN	Bhuj North	
BHUT	Beaver	
BHV	Bhavnagar	
BHW	Baring Head	
BHXE	Hunxe	
BH-YK	Burwash Landing	
BI-	Big Stone Gap	BI-VA
BI02	San Fabin de Alico	
BI03	Tigo	
BI04	Isla Mocha	
BI05	Punta Hualpn	
BI1	Barter Island	
BI2	Barter Island	
BI3	Barter Island	
BI4	Barter Island	
BIA	Bitola	
BIAC		DIAC
BIAL	Bialla	
BIB	Bowen Island	
BIBA	Brigerbad	
BIBE	Biberach	
BIBL	Biblin	
BIBN	Bibbiana	
BID	Bidston	
BIDA	Albida	
BIDO	Bidbid	
BIDON	Albidona (CS)	
BIDS	Bi'r al Bayda'	
BIE	Brione	
BIEL	Biella	
BIG	Big Mountain	
BIGA	Biga-Canakkale	
BIGH	Upper Bighouse, Forsinard	
BIGM	Big Mountain, Salyer, CA USA	
BIGV	Big Valley, Newell, CA USA	
BIHA	Biharamulo	
BIJ	Bijagual	
BIL	Bilibino	
BIL2	Estacion Bilbao	
BILA	Bila Hurka	
BILB	Tungurahua volcano	
BILE	Bilecik/Merkez-Dede RL	
BILI	Bilibino, Chukotka	
BILL	Bilibino	
BILN	Bilwi Airport	
BIM	Bigot	
BIMF	Belle-Ile-en-Mer - Bangor - Morbihan - Bretagne - France	
BIMJ	BASE NAVAL BIMJAR	
BIMP	Claveria (Burias Island), Masbate	
BIN	Binsa	
BING	Binghamton	
BINT	Bingol	
BINY	Binghamton	
BIO	Biorka	
BIOA	Bad Ischl, Austria	
BIOG	Biogem	
BIP	Bislig	
BIPH	Bislig	
BIPR1	Baixo Iguassu	
BIPS	Buchanan	
BIR	Birlad	
BIRA	Biratnagar	
BIRD	Birdtown, Kershaw	
BIRH	Ethiopian Broadband Seismic Experiment	
BIRU	Birjand	
BIRV	Birongo	
BIS	Bismark Peak	
BIS1	Las Neceidas	
BISC	BISOCA	
BISH	Bishah	
BISHT	Bisha - temporary	
BISR	Bishrakh	
BISRR	Bisoca	
BISS	Bistriski jarek	
BIT	B. Ibn Batouta	BBT
BITO	Garabito Jaco	
BIU	Bingham Canyon	
BI-VA	Big Stone Gap	
BIW	Bindweide	
BIX	Bixby	
BIZ	Bicaz	
BJA	Jaww	
BJBQ	Baie Johan-Beetz	
BJCM	Johnson Can.	JHC
BJDH	Asilah	
BJDM	Burrinjuck Dam	
BJEM	Burrinjuck	
BJES	Bald Jesse, CA USA	
BJI	Beijing	
BJI2	Beijing	
BJII	Banjamegara	
BJMA	Bojnurd	
BJND	Bojnord	
BJNR	Bojnord	
BJO	Bjornoya	
BJO1	Bjornoya	
BJOM	Mount Johnson	
BJR1	Bachatsky 1, Kuzbass, Russia	
BJR2	Bachatsky-2, Kuzbass, Russia	
BJR3	Bachatsky-3 (Starobachaty), Kuzbass, Russia	
BJR4	Bachatsky-4, Kuzbass, Russia	
BJRD	Bojnurd	
BJT	Baijiatuau	
BJU	Chiapas	
BJUU	Bjuv	
BJVM	Benito Juarez	
BK-	Bald Knob	BK-AR
BKA	Kennedy	
BK-AR	Bald Knob	
BKB	Balikpapan	
BKB2	Balikpapan	
BKBA	Bukoba	
BKC	Brookwood Reservoir	
BKCOR	Black Crater	
BKE	Bekescsaba	
BKES	Balıkesir-Merkez	
BKG	Blockade Glacier	
BKHM	Baxmal	
BKHT	Bunker Hill	
BKI	Bering	
BKIRB	Bahia Kino	
BKJ	Big Koniuji Island	
BKJI	Banjar, Jawa Barat	
BKL	Bakel	
BKLB	Ruhr-University Bochum--Klosterbusch Mine	
BKLT	Bekalta	
BKM	Butte a Klehm	
BKN	Blacknest	
BKNI	Bangkinang	
BKNR	BIKANER	
BKO	Bokosso	
BKOA	Assam	
BKR	Bakuriani	
BKRC	Baker	

Code	Station Name	Other
BKRG	Bakuriani	
BKS	Berkeley--Byerly	
BKSI	Bulukumba	
BKSVL	Sunnyvale, CA	
BKT	Bakacak	
BKU	Beaver Lake Mountains	
BKZ	Black Stump Fm	
BL-	Beckley	BL-WV
BL1	Borgo	BSL
BL67	Building 67, Lawrence Berkeley Lab, Berkeley, CA	
BL88	Building 88, Lawrence Berkeley Lab, Berkeley, CA	
BLA	Blacksburg	
BLAC	Blackrock camp	
BLAF	les Blancs	
BLAK	Black Rock Reservoir, Balch Camp, CA USA	
BLAN	Blanes	
BLANC	P.ta Helbronner (AO), Italy	
BLAS	Black Lassic, Blocksburg, CA USA	
BLB	Baldybastay	
BLBC	Blue River	
BLBQ	Baie-St-Paul	
BLC	Baker Lake	
BLCB	Balcova	
BLCC	Black Canyon	
BLCH	La Chartreuse	
BLCM	Balaesang Tanjung, Sulawesi Tengah	
BLCR	Blue Creek Mtn., Six Rivers National Forest, Johnsons, CA USA	
BLCS	Bulochka	
BLD	Baljuvan	
BLDC	Black Mountain	
BLDU	Ballidu	
BLE	Bellville	
BLEU	Blekinge	
BLF	Bloemfontein	
BLG	Laguna Peak, Port Hueneme	
BLGA	Beluga	
BLGA0	Beolgok	
BLGI	Bet Lehem HaGelilit	
BLGM	Bulgan	
BLGR	Bilaigarh	
BLH	Bald Hill	
BLHA	Black Hill	
BLHR	Bucharest-Stefan cel Mare Str.	
BLI	Bleialf	
BLIS	Bitlis-Merkez	
BLIT	Baltah	
BLJ	Bijeljina	
BLJI	Banyuglugur	
BLJS	Baljurashi	
BLK	Black Butte	
BLKB	Belogradchik	
BLKC	Black Mountain	
BLKN	Baker Lake	
BLKS	Balıkesir-Susurluk-anacık	
BLKT	Balakot	
BLL	Bellingham	
BLLA	Bellaria	
BLLA0	Byeollyang	
BLLM	Bellamira	
BLLO	Bulolo	
BLM	Blue Mountain	BMT
BLM*	Bell Mountain	
BLMC	Bochalema	
BLMT	Blacktail Mountain	
BLMU	Bullmark	
BLMY	Blum	
BLN	Blyn Mountain	
BLNP	Bacolod Lanao del Norte	
BLNT	Belen	
BLO	Bloomington	
BLOK	Blackwell	
BLP	Lompoc	
BLPI	Bilaspur	
BLQ	Beylaqan	
BLR	Black Rapids	
BLRG	Bleregnies	
BLRM	Lewis Ranch	
BLRR	Bol'shaya Rechka	
BLS	Blasjo	
BLS1	Blasjo	
BLS2	Blasjo	
BLS3	Blasjo	
BLS5	Blasjo	
BLSD	Baie du Lac Sali	
BLSH	Balsha	
BLSI	Bandar Lampung	
BLSM	Batukuning Lakitan Ulu, Sumatera Selatan	
BLSP	Bilaspur	
BLSR	Buluus	
BLSS	Belie Skali	
BLT	Belted Range	
BLTW	Bickleton	
BLU	Blue Ridge	
BLUE	Blue Mountain, Wilseyville, CA USA	
BLUN	Bluefields	
BLV	Bailadores	
BLVD	Bolvadin-AFYON	
BLVR	Akhuzat Shoshana	
BLVT	Baltimore	
BLW	Big Hill	
BL-WV	Beckley	
BLWY	Bulawayo	
BLY	Banja Luka	
BLYC	Blythe	
BLZ	Bolzano	
BLZN	Bolzano	
BM-	Balmorhea	BM-TX
BM01	Burnt Mountain Array Site 1	
BM02	Burnt Mountain Array Site 2	
BM03	Burnt Mountain Array Site 3	BM3
BM04	Burnt Mountain Array Site 4	
BM05	Burnt Mountain Array Site 5	BMAR
BM3	Burnt Mountain Array Site 3	
BMA	Barra Mansa	
BMAMX	Venustiano Carranza, BMA	
BMAR	Burnt Mountain Array Beam Reference Point	
BMAS	Trigal station	
BMAT	Maratea	
BMB	Barrage Mohamed Ben Abdellah	
BMBC	Bull Mountain	
BMCM	McPhails Peak	
BMD	Beni Messoud	
BMDN	Meydan	
BME	Barrage Mansour Eddahbi	
BMEBF	Broome Borefield	
BMG	Bucaramanga	
BMHM	Mount Harlan	
BMI	Bomdila	
BMK	Barrage El Makhazine	
BMK*		BMKM
BMKM	Barrage Mohammed V	
BMKR	Bomnak	
BMKS	Bomnak	
BML	Blue Mountain Lake	
BMM	Big Maria Mountains	
BMMT	Benchmark Campground	
BMN	Battle Mountain	
BMNI	Bima	
BMNM	Bear Mountains	
BMNS	Besmoynak	
BMNY	Brushton-Moira	
BMO	Blue Mountains Array	
BMO1	UHE Belo Monte	
BMO2	UHE Belo Monte	
BMOL	Mol	
BMOR	Cotopaxi Volcano	
BMR	Baia Mare	
BMRD	Maredsous	
BMRM	Bremner River	
BMRO	Meriville Lake	
BMRR	Black Mountain	
BMS	Big Muddy Lake	
BMSB	Bamfield Marine Station	
BMSH	Bir Mashi	
BMSI	Bangko, Jambi	
BMSM	Mercy Hot Springs	
BMSMM	Bukit Katil	
BMT	Blue Mountain	
BMT*	Black Mountain	
BMTB	Bullhead Mountain	
BMTC	Bear Mountain	
BMTN	Black Mountain	
BMTS	Belmont	
BM-TX	Balmorhea	
BMU	Muharraq	
BMUT	Black Mountain	
BMV	Son La	
BMW	Boistfort Mountain	
BMY	Bingley Moor	
BMYO	Bayramic-Canakkale	
BN013	BENEVENTO	
BN1H	Brisbane Hard Rock	
BN2S	Brisbane 2 Soft	
BNA	New Abbey	
BNAB	Bonilla	
BNALP	Bannalp	
BNAQ	Bridge North Anchor Chamber MTQ3	
BNAS	Cotopaxi Volcano	
BNAZ	Banaz, Uak	
BNB	Barry Inlet	
BNC	Bambui	
BND	Bandung	
BNDA	BANDA	
BNDI	Bandanaira	
BNDS	Bandar-Abbas	
BNE	Burnie High School	
BNF	BONIFATI	
BNG	Bangui	
BNGB	Bingl	
BNGL	BINGOL	
BNGR	Bahawalnagar	
BNH	Berlin	
BNI	Bardonecchia	
BNJ	Bonny Gate	
BNK1	Robinsons Bay	
BNKB	Banks Island	
BNL2	Banloc	
BNLO	Ben Lomond (Santa Cruz Mountains)	
BNM	Barren Site	
BNMM	Bakun	
BNN	Bunyan	
BNO	Breno	
BNOM	Benevento cab. Olmeri	
BNON	Benoni	
BNP	Banawang	
BNPI	Benevento Pio XI	
BNPN	Boundary Peak	
BNR	BHIKNUR	
BNS	Bensberg	
BNSI	Bone	
BNT	Bandirma	
BNTI	Bajawa, Nusa Tenggara Timur	
BNV	Benevento	
BNX	BinXian	
BNY	Binghamton	
BO-	Brewton	BO-AL
BO01	Tunca	
BO02	Sierra Bellavista	
BO03	Pichilemu	
BO04	La Punta	
BO1	Boulder	
BOA	Boaco	
BOA1	Boaco	
BOAB	BOACO BROADBAND	
BOAC	Boac	
BO-AL	Brewton	
BOAV	Boa Vista	
BOB	Bobbio (Coli)	
BOBE	Biye Kabobe	
BOBI	Bbikon, Wasserreservoir Allmend, AG	
BOBN	Bobandana	
BOC	Bochum	
BOCA	BOCANA DE BUA	
BOCA2	Boac Bosnia and Herzegovina	
BOCO	Bogota	
BOD	Bodaibo	
BODA	Bodrum, Mula	
BODE	Bodenheim	
BODM	Bodrum-MUGLA	
BODR	Bodie	
BODT	Bodrum	
BODY	Near Bada	
BOF	Bonneval	
BOG	Bogota	
BOGI	Bogijuda	
BOGT	Yorkville	
BOGU	Bogesund	
BOH	Bohocortia	
BOI	Boisen	
BOIB	Bowen Island	
BOIN	Boiestown	
BOJ	Boujaaouane	
BOJI	Sawit, Jawa Tengah	
BOJS	Bojanci	
BOK	Bokaro	
BOKD	Bokod	
BOKO	BOKO	
BOKR	Bokaro	BOK
BOL	Bologna	
BOLE	Bolero	
BOLM	Sugar Bowl	
BOLP	Bolinao	
BOLS	Boljevac	
BOLU	Bolu-Merkez-Musluklar	
BOLV	Bolvadin	
BOM	Bombay	
BOMB	Bombay Beach	
BON	Bonds Corner	
BON1	Bonao	
BONG	BONG	
BONI	La Bonita	
BONIF	Phare de Pertusato	
BONN	Klostergut Bonnrode	
BONR	Boundary Peak	
BONV	Boonville, CA	
BOO	Bordano	
BOOC	South Base Booster	
BOOE	Boina - YZ	
BOOM	Boomskoye uschel'e	
BOON	Boondooma	
BOPT	Opiter	
BOQS	Boqueron	
BOQSS		
BOR	Borzhomi	
BORA	Eskisehir	
BORC	Borrego Springs	
BORE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
BORF	Arrens-Marsous	
BORG	Borgarnes	
BORI	Bordano	BOO
BORK	Borovoye	
BORM	Bormio	
BORR	Bors	
BORS	Borseda	
BORS2	Bor- Borsko jezero Serbia	
BORU	Boraas	
BOS	Bosque Alegre	
BOSA	Boshof	
BOSB	Boseong-gun	
BOSC	San Juan Bosco	
BOSE	Boina - YZ	
BOSI	Bolzano	
BOSL	Borgo San Lorenzo	
BOSM	Banding Agung, Sumatera Selatan	
BOSR	Bodos	
BOSS	Bosilegrad	
BOST	Ostende	
BOT	Bacolet	
BOTM	Botticino Mattina	
BOTS	Marmara Ereglisi-Tekirdag	
BOTT	Botticino	
BOTV	Botiquin	
BOU	Boulder	
BOUC	Bouclans	
BOUF	Bouguenais - site IFSTTAR	
BOURR	Bourrignon	
BOV	Bogong Mts	
BOVE	Boina - YZ	
BOVS	Bovan	
BOW	Bowman	
BOWS	Bowen St Turnbull House Wellington	
BOX	Box Canyon	
BOX6	Mt Lofy	
BOXN	Box Lake	
BOXOZ	Borroloola	
BOY	Boyalica	
BOYA	Sinop/Boyabat-Salar	
BOYR	Boyers Landing	
BOYT	Boyabat	
BOZ	Bozeman (W)	
BOZC	Bozcaada	
BOZD	Bozcaada-Canakkale	
BOZK	Kars-Merkez-Bozkale	
BOZL	Bozzolo	
BOZV	Bozvelijsko	
BOZY	Bozyazi-Mersin	
BOZZ	Bozzolo	
BP-	Bishop	BP-CL
BPA	Boggy Peak	
BPAT	Tungurahua Volcano	
BPAW	Bear Paw Mtn.	
BPBC	Brooks Peninsula	
BPBCA	Veniaminof	
BPCB	Bare Point	
BP-CL	Bishop	
BPCM	Pine Canyon	
BPCNC	Pine Canyon	
BPEB	Brooks Peninsula	
BPFM	Pfieffer Point	
BPI	Johannesberg	
BPIL	Belle Prairie	
BPIM	Pinnacles	
BPJI	Bagelen, Jawa Tengah	
BPK	Black Peak	
BPM	Bucksport	
BPMJM	Batumarmar	
BPMT	Black Pine Ridge	
BPO	Bald Peter	
BPOM	Post Ranch	
BPPM	Pinyon Peak	
BPRM	Ponciano Ridge	
BPSM	Bayang, Sumatera Barat	
BPT	Bridgeport	
BPU	Bountiful Peak	
BQA	Beqa	
BQ-AK	Bethel	
BQB	Bob Quinn Lake	
BQSF3	Alto Boquete, Panama	
BQT2	Los Cabezos	
BQTLY	Boquete Panama	
BR-	Berlin (Penn)	BR-PA
BR00	Belbasi Site	BRAR
BR01	Belbasi Array Site 1	
BR02	Belbasi Array Site 2	
BR03	Belbasi Array Site 3	
BR04	Belbasi Array Site 4	
BR05	Belbasi Array Site 5	
BR06	Belbasi Array Site 6	
BR1	Brisbane hardrock	
BR101	Keskin Array Site 101	
BR102	Keskin Array Site 102	
BR103	Keskin Array Site 103	
BR104	Keskin Array Site 104	
BR105	Keskin Array Site 105	
BR106	Keskin Array Site 106	
BR131	Keskin Array Site 131	BRTR
BR2	Brisbane softrock	
BR231	Keskin MP Array Site 231	BRMAR
BR232	Keskin MP Array Site 232	
BR233	Keskin MP Array Site 233	
BR234	Keskin MP Array Site 234	
BR235	Keskin MP Array Site 235	
BR236	Keskin MP Array Site 236	
BR237	Keskin MP Array Site 237	
BR2MX	Brawley, BR2	
BR31	Belbasi Array Site 31	BRAR
BR4	Bonnie Rock 4	
BRA	Bratislava	
BRAD	Bradley, CA USA	
BRAG	Branistea	
BRAK	Brakfontein	
BRAL	Brewton	
BRAN	Las Pilas	
BRANT	Les Verrieres	
BRAR	Belbasi Array Beam Reference Point	
BRAS	Brasopolis	
BRAT	Ballarat	
BRB	Barbados	
BRBA	Barentsburg A	
BRBB	Barentsburg B	
BRBC	Blue Ridge Broadcasting Company	
BRBL	Brava	
BRBR	Barbar	
BRBZ	Brava	
BRC	Barley Canyon	
BRCH	BAHRAICH	
BRCI	Bahraich	
BRCN	Bracie Corner	
BRCO	Bruce Peninsula	
BRCR	Berchikul'	
BRCV	Brava	
BRD	Bordesti	
BRDA	Brd	
BRDG	Blue Ridge	
BRDH	Bariadhala	
BRDR	BURDUR-Merkez	
BRDS	Brindisi	
BRDY	Brady	
BRE	Wroclaw	
BREC	Barre Substation	
BREF	Cotopaxi Volcano	
BREI	Breisach am Rhein	
BREM	Bremgarten	
BRES	Bressanone	
BRET	Bretten	
BREU	Bredtraesk	
BRF	Ar Rifa	
BRG	Berggiesshubel	
BRGA	Burgazada-Istanbul	
BRGC	Borrego Mountain	
BRGM	Braggadocio	
BRGN	Trimble, BRGM	
BRGNA	Bergen	
BRGZ	Burgazada	
BRH	Birch Hill	
BRH1	Barahona	
BRHA	Brisighella	
BRHE	Rheinberg	
BRHS	Bolshoi Rechka	
BRI	Brig	
BRIB	Briones	
BRIBI	Bribri	
BRIC	Briceland Vineyards, California	
BRIE	Brienza	
BRIGG	Briggsdale	
BRIN	Brienza	
BRIS	BRISIGHELLA	
BRIT	Lake Britton	
BRIU	Brid	
BRIV	Barinas	
BRIZ1	Brienz/Brinzauls, GR	
BRIZ2	Brienz, Instabilitaet Caltgeras, GR	
BRJ	Black River	
BRJC	Barrancabermeja, Santander	
BRJN	Brijuni	
BRK	Berkeley--Haviland	
BRK01	Al Birk	
BRK02	Al Birk	
BRK03	Al Birk	
BRK04	Al Birk	
BRK30	Berezniki,	
BRKS	Brookside Elementary School	
BRL	Berlin--Free University	
BRL2	Braila	
BRLDA	Berland Lookout Tower, Alberta	
BRLK	Bradley Lake	
BRLL	Baranello	
BRLS	Borolday	
BRM	Bernie	

Code	*Station Name*	*Other*
BRMAR	Keskin MP Array Beam Reference Point	
BRME	Brasimone	
BRMM	Rolling Bench Mark	
BRMO	Bormio	
BRMT	Bandy Ranch University of Montana	
BRN	Berlin	
BRNE	Bradley Lake NE	
BRNG	Burnasheti	
BRNI	Bet Oren	
BRNII	BRN	
BRNJ	Basking Ridge	
BRNL	Berlin--Lankwitz	
BRNM	Bernie	
BRNON	Bren. E. de Neily	
BRNS	Bernies	
BRNW	Bradley Lake NW	
BRNY	Black Rk. Forest	
BRO	Bare Mountain	
BROG	Barisakho	
BROLN	Tlhalogang	
BROM	Bains de Bromines	
BROR	Big Rock Lookout	
BRP	Bottle Rock Power	
BR-PA	Berlin	
BRPK	Brown Peak	
BRPO	Bonnechere River Park	
BRQR	Ronquire	
BRR	Berryman	
BRRC	Barranca, Santander	
BRRN	Barrancas-Volcn Cotopaxi	
BRRO	Berceto	
BRS	Brisbane	
BRS4	Brasov	
BRSA	Brisbane St Lucia campus	
BRSB	Brisbane	
BRSD	Miller	
BRSE	Bradley Lake SE	
BRSH	Brosh	
BRSN	Barisano	
BRSW	Bradley Lake SW	
BRT	Bari-Castellana	
BRTC	Bertell Ranch	
BRTN	Brown Mountain	
BRTR	Keskin Array Beam Reference Point	
BRU	Baru	
BRU2	Volcan	
BRUG	Bruguera	
BRUN	Tungurahua Volcano	
BRUT	Bromley	
BRV	Barrow	
BRVK	Borovoye	
BRVM	Little Rabbit V.	LRV
BRVW	Black Rock Valley	
BRW	Barrow	
BRWK	Brunswick	
BRWY	Burwash Landing	
BRY	Bratogost	
BRYW	Bryant College	
BRZ	Borland Lodge	
BRZS	Berezniki	
BS00	La Paz	
BS01	CO. Balcn	
BS02	Patallajta	
BS03	Mojotorillo	
BS04	Villa Nueva	
BS05	Cuyupaya	
BS06	Camiri	
BS07	San Felipe	
BS08	Valle Grande	
BS09	Huarina	
BS10	CO. Tuti	
BSA	Byrd (S.R.I.)	BY1
BSAA	busan	
BSAQ	le-d'Orlans Bridge South Anchor Chamber	
BSBM	Swanson's Bluff	
BSC	Santa Cruz Island	
BSC3	Bisaccia	
BSCB	Bom Sucesso	
BSCF	Bossay-sur-Claise - 37028 - Indre-et-Loire - France	
BSCM	Stone Canyon	
BSCP	Brocks Farm	
BSCQ	Baie-Sainte-Catherine	
BSD	Bornholm Skovbrynet	
BSD*	Akirkeby	BSD
BSE	Boise	
BSEG	Bad Segeberg	
BSF	Ballon Servance	
BSFB	Barra de Sao Francisco	
BSFP	Boeing Fire Protection	
BSG	BASSANO DEL GRAPPA	
BSGM	Shirttail Gulch	SHG
BSHA	Ruhr-University Bochum--Staatshockbauamt	
BSHR	Al Beshri	
BSHV	Beer Sheva	
BSI	Banda Aceh	
BSIR	Belisirma, Guzelyurt, AKSARAY	
BSK	Brimstone Hill	
BSK4	Belie Skalie	
BSKQ	Steenkerk	
BSL	Borgo	
BSLM	Silva Ranch	
BSLQ	Bruslee	
BSM	San Miguel Island	
BSM1	Besham	
BS-MA	Billings	
BSMM	Soledad Mission	
BSMT	Bassoo Peak	
BSN	San Nicolas Island	
BSO	Bsor	
BSO1	Boso 1	
BSO2	Boso 2	
BSO3	Boso 3	
BSO4	Boso 4	
BSP	Bush Stream	
BSPO	Barkcamp State Park Ohio	
BSPQ	Baie-St-Paul	
BSPT	Big Springs	
BSR	Basra	
BSR2	Basrah	
BSRM	Salinas Radio Site	
BSRN	Basiran	
BSS	Baronissi	
BSSI	Bau Bau, Buton	
BSSO	Busso	
BST	Brest	
BSTF	la Bastide-des-Jourdans	
BSTI	Sart Tilman	
BSTK	Bystrovka, Novosibirskaya Oblast', Russia	
BSTN	Buston	
BSTO	Mexico City	
BSTP	Nigde	
BSTR	Bucharest-Scientist's House	
BSUT	Blindstream Canyon, Hanna	
BSWZ	Blackbirch Station	
BSY	Bisya	
BSYO	Bisya	
BSZ	Bushy Park	
BSZH	Besenyszg	
BT-	Bates	BT-OR
BT1	Baytugan-1	
BT2	Baytugan-2	
BT3	Baitugan	
BTA	Talkin	
BTAM	Cotopaxi Volcano	
BTAO	Waffenplatz Bedrina, Airolo, TI	
BTAS	Taskesti	
BTB	Buttle Lake	
BTC	Butembo	
BTCC	Brunts Corner	
BTCH	Batrach	
BTCM	Bungku Tengah, Sulawesi Tengah	
BTCO	Belmont College, St. Clairsville	
BTDF	Bukit Timah Dairy	
BTE	Batoke	
BTER	TERRAZAS BANDA ANCHA	
BTEZ	Ruhr-University Bochum--Technical Center	
BTG	Basse Terre	
BTGS	Batagay	
BTH	Betharram	
BTHS		
BTHT	Jabal bu Thady	
BTI	Bat Shelomo	
BTIE	Bat	
BTIN	Bartın	
BTJI	Bumi Jawa, Jawa Tengah	
BTK	Batken	
BTKR	Batakoyurt	
BTL	Butler Peak	
BTLC	Betulia, Santander	
BTLK	Bitlis	
BTLPN	BTLPN	
BTLR	Botlikh	
BTLS	Baital	
BTM	Bintulu	
BTMB	Babushkin	
BTMN	Batman	
BTMR	Bucharest-Geotec Company	
BTMT	Batman	
BTN	Butuan	
BTNC	Turbay, BTN	
BTNF	Ladstafel, Nufenenpass, VS	
BTNG	Baratang	
BTNI	Buton	
BTNK	Botanikuri	
BTNL	Ternell	
BTNR	Beit Nir	
BTO	Baotou	
BTO2	Baotou	
BTOK	Tokmak	
BTOR	Bet Oren	
BT-OR	Bates	
BTP	Batelco	
BTPC	Burnt Peak	
BTR	Butare	
BTRC	Tricarico	
BTS2	Botosani	
BTSH	Beit Shean	
BTT2	BORGO OTTOMILA 2	
BTTP	Bongao, Tawi-Tawi	
BTU	Barney Top	
BTUN	Refugio Volcn Tungurahua	
BTW	Bitterwater Creek	
BTWS	Nelson Brightwater	
BTY	Beatty	
BU-	Buckingham	BU-QB
BUA	Buia	
BUAI	Buenos Aires	
BUAY	Buenos Aires	
BUB	Buchberg	
BUC	Bucharest	
BUC1	Bucharest	
BUC2	Bucharest	BUC1
BUCA	Burdur, Bucak-Gundogdu	
BUCE	RIO BUCHE	
BUCF	Bucuresti--IRSA	
BUCH	Bad Urach	
BUCK	Buck Mountain	
BUCM	Buckrabanyule	
BUCN	Buchan	
BUCR	Buckhorn Ranch, CA USA	
BUD	Budapest	
BUDM	Budderoo	
BUE	Buenavista	
BUEV	Buena Vista	
BUF	Buffalo	
BUFB	Buffelsbos	
BUFE	BUENA FE, CENTRO DE SALUD	
BUG	Bochum--University	
BUGC	Buga	
BUGM	Govi-Altai, Bugat soum	
BUGS	Bugetsay	
BUH	Buhlerhohe	
BUHA	Balikesir, Burhaniye-Dutluca	
BUI	Burke	
BUII	Buia	BUA
BUJA	Bujumbura/Burundi	
BUJI	Buayan, Jawa Tengah	
BUJR	Buynaksk	
BUK	413	
BUKA	Buka	
BUKI	Berau, Kalimantan Timur, Indonesia	
BUKO	Buck Lake	
BUKP	Musuan	
BUL	Bulawayo	
BULB	Ulba Tungurahua	
BULE	Bulengo	
BULG	Bulgheria - Camerota	
BULI	Ruhr-University Bochum - Language Institute	
BULL	Bull Run Dam	
BULM	Bulgan, Bulgan city	
BULN	Bullion Camp, Hudson Bay	
BULT	Bultei - Sa Pruna (SS)	
BULU	Kimbe	
BUM	Brajici-Budva	
BUMI	Ibumi	
BUMT	Jakar	
BUN	Bunnythorpe	
BUNC	Butner	
BUNG	Bungee Jump	
BUNI	Buntu Taipa	
BUO	Burlington	
BUOR	Burton Butte	
BU-QB	Buckingham	
BUR	Burlington	
BUR01	Bucovina Ar. Site	
BUR02	Bucovina Ar. Site	
BUR03	Bucovina Ar. Site	
BUR04	Bucovina Ar. Site	
BUR05	Bucovina Ar. Site	
BUR06	Bucovina Ar. Site	
BUR07	Bucovina Ar. Site	
BUR08	Bucovina Ar. Site	
BUR09	Bucovina Ar. Site	
BUR32	BURAR	
BUR33	BURAR	
BURAR	Bucovina Array	
BURB	Buron	
BURD	Burdekin Lookout	
BURE	Buenos Aires	
BURJ	Burma	
BURN	Burns	
BURR	Burrel, Albania	
BURU	Burvik	
BURY	Giardini Botanici Hanbury, Ventimiglia (IM), Italy	
BUS	Buena Vista	
BUS1	Rivas	
BUSA	Buseok	
BUSI	Bandar Baru, Aceh	
BUSP	Coron	
BUT	Butte	
BUTA	Ethiopian Broadband Seismic Experiment	
BUTB	Butedale	
BUTI	AfricaArray/PSU - ZP	
BUTK	Butaka	
BUTP	Butuan	
BUTX	Baylor University	
BUV	Buchan	
BUW	Bucklebury West	
BUWY	Burn	
BUXR	Bukhara	
BUY	Buyukada	
BUYA	Buyukada-Istanbul	
BUYB	Buyeo	
BUYK	Buyukcekmece-Istanbul	
BUZ4	Buzau	
BUZR	Buzau	
BV-	Belleville	BV-PA
BV1	Bath County 1	
BV15	Puerto Quito-OCP	
BV2	Bath County 2	
BV3	Bath County 3	
BV4	Bath County 4	
BVA	Buena Vista	
BVA0	Borovoye Array Site A0	
BVA1	Borovoye Array Site A1	
BVA2	Borovoye Array Site A2	
BVA3	Borovoye Array Site A3	
BVA4	Borovoye Array Site A4	
BVAR	Borovoye Array Beam Reference Point	
BVB5	Borovoye Array Site B5	
BVB6	Borovoye Array Site B6	
BVB7	Borovoye Array Site B7	
BVB8	Borovoye Array Site B8	
BVB9	Borovoye Array Site B9	
BVC	Bear Valley Observatory	NOLM
BVC2	Cotopaxi Volcano	
BVCR	Bucharest-Old Court	
BVCY	Beaver Creek	
BVD	Bellevue State Park	
BVG	Bouganvilia	
BVH	Beverly Hills	
BVIG	Viggiano	
BVIL	Belleville	
BVK	Beaver Lake	
BVL	Bear Valley	
BVLM	Bear Valley	BVL
BVM	Bellevue	
BVN	BOVINO	
BVOC	Bila Voda	
BV-PA	Belleville	
BVPR	Campul lui Neag	
BVR	Beaver	
BVRS	Bavra	
BVT	Borgo Val di Taro	
BVTM	Michoacan	
BVTR	Bavtugai	
BVV	Ba Vi	
BVW	Beverly	
BVYM	Vineyard	
BW-	Blewett	BW-WA
BW06	Boulder Array Site 6	
BW1H	Bowen Hard, QLD	
BW2S	Bowen Soft Rock	
BWA	Boorowa	
BWD	Brandywine Creek State Park	
BWH	Wardlaw	
BWHS	Burwood Hospital	
BWI	Barbuda	
BWJI	Bawean	
BWLO	Walkerton	
BWN	Browne	
BWNR	Bhubaneshwar	
BWP	Baguio Weather Station	
BWRS	Waikakaho Road	
BWTI	Baumata	
BW-WA	Blewett	
BWZ	Berwen	
BX-	Blanding	BX-UT
BXML	Bakhmal	
BX-UT	Blanding	
BY1	Byrd--Stanford Research Institute	
BY2	Byrd--Stanford Research Institute	
BY3	Byrd--Stanford Research Institute	
BYA	Byrd--Stanford Research Institute	
BYAR	Belyy Yar	
BYAT	Afyon-Bayat	
BYB	Berrybush	
BYBT	Boyabat	
BYD	Bredaryd	
BY-IO	Bloomfield	
BYJI	Banyuwangi	
BYL	Byron's Ledge	
BYLI	Bayan, Nusa Tenggara Barat	
BYN	Bayano	
BYO	Bayan-Olgiy	
BYR	Byrd	
BYRJ	Bayer	
BYT	Bytom	
BYU	Brigham Young University	
BYX	Boyer Ranch	
BYXU	Byxelkrok	
BYZN	Byzanz	
BZ-	Buckhannon	BZ-WV
BZE	Bozeman	
BZER	Hnxe	
BZEV	Zevekote	
BZGR	Bezymyannyi-Griva	
BZK	Bozkurt	
BZM	Bozeman	
BZMR	Bezymyannaya	
BZMS	Bezymyanka	
BZMT	Bozeman Pass	
BZN	Bogi-Zagon	
BZNA	Buzz No.'s Place	
BZP	Bezymyannyi-Pereval	
BZRK	Zereshkeh	
BZS	Buzias	
BZWR	Bezymyannyi-West	
BZ-WV	Buckhannon	
BZZ	L AQUILA BAZZANO	
C001	Firth Court Fremont	
C002	Farnham Drive Newark	
C003	Cottage Court Castro Valley	
C004	Swainland Road, Oakland	
C005	Mandana Bl Oakland	
C006	Lk Pillsbury D Fremont	
C007	Forest Lane Berkeley	
C008	Spokane Avenue Albany	
C009	Brunell Drive Oakland	
C01	C01	
C010	Sunflower Court Concord	
C011	Colusa Avenue, El Cerrito	
C012	Glenmawr Avenue, El Cerrito	
C013	Ascot Lane Oakland	
C014	Upland Way Hayward	
C015	Bright Common Fremont	
C016	Longford Drive San Jose	
C017	S Grimmer Bl Fremont	
C018	Christie Drive Martinez	
C019	St Phillip Court Concord	
C02	C02	
C020	Rhoda Avenue Oakland	
C021	Meadowview Drive Castro Valley	
C022	Davis Street Fremont	
C023	Technology Drive Fremont	
C024	33rd St Richmond	
C025	Golden Eagle Way Pleasanton	
C026	Kell Court Alamo	
C027	Lawnview Circle Danville	
C028	Eucalyptus Rd Berkeley	
C029	Evergreen Court Danville	
C03	C03	
C030	Blue Jay Drive Morgan Hill	
C031	McGee Avenue Berkeley	
C032	McCall Drive, Benicia	
C033	Glashaus Lp Emeryville	
C034	Goodrich Way Fremont	
C035	Crawford Street Concord	
C036	Merkley Row, San Jose	
C037	N 15th Street San Jose	
C038	Hutchings Drive San Leandro	
C039	Semillon Drive Fremont	
C03A	Quillayute Airport, Forks	
C04	C04	
C040	Flannery Road San Pablo	
C041	El Campo Drive San Jose	
C042	Juniper Way Moraga	
C043	Panoramic Way, Berkeley	
C044	Maitland Drive Alameda	
C045	Hawkins Drive San Ramon	
C046	N 16th Street San Jose	
C047	Rutherford Drive Danville	
C048	Posada Way Fremont	
C049	Pacific Avenue Alameda	
C04A	Brinnon	
C05	C05	
C050	Festivo Court Fremont	
C051	Centre Court Alameda	
C052	Regaby Place Court San Jose	
C053	Alexander Way Pleasanton	
C054	Valleyhaven Way San Jose	
C055	Cottonwood Avenue,	

	Hayward	
C056	Diablo Avenue Hayward	
C057	Hedge Avenue Brentwood	
C058	Eastshore Drive Alameda	
C059	Quail Canyon Rd San Jose	
C05A	Tolt Reservoir	
C06	C06	
C060	Lambert Place Union City	
C061	42nd Avenue Oakland	
C062	Calle Reynoso Pleasanton	
C063	Havenscourt Bl Oakland	
C064	Brunell Drive Oakland No2	
C065	Ponderosa El Sobrante	
C066	Highgate Road Kensington	
C067	Fleetwood El Sobrante	
C068	Mocine Avenue Hayward	
C069	Rotal Creek Pleasanton	
C06A	Tall Timber Ranch, Leavenworth	
C06D	Leavenworth	
C07	C07	
C070	Dillo Street San Leandro	
C071	Via Corta San Lorenzo	
C072	Blauer Lane San Jose	
C073	Carlos Bee Bl Hayward	
C07A	Waterville	
C08	C08	
C08A	Higginbotham Farm, Almira	
C09A	Chrisman Ranch, Davenport	
C10A	Spilker Farm, Colbert	
C11	C11	
C1151	Parques Nacional Chingaza	
C11A	Tepee Creek (NFS), Magee	
C12	C12	
C12A	Trout Creek	
C12B	Naegeli Ranch, Trout Creek	
C13	C13	
C13A	Hot Springs	
C14	C14	
C14A	Swan Lake	
C15A	Salmond Ranch, Choteau	
C16	C16	
C16A	Fuhringer Ranch, Dutton	
C16K	Lisburne Hills	
C17A	Wharram Farm, Highwood	
C17K	DeLong Mountains	
C18	C18	
C18K	Utukok River	
C197S	OBS 197S	
C19A	Slack Wire Ranch, Winifred	
C19K	Lookout Ridge	
C1SC	The Citadel Site 1	
C20	C20	
C201S	OBS 201S	
C206S	OBS 206S	
C20A	Veseth Ranch, Zortman	
C21	C21	
C21A	Desert Coulee Ranch, Glasgow	
C21K	Knifeblade Ridge	
C22	C22	
C22A	Vida	
C23	C23	
C23A	Lambert	
C23K	Itkillik River	
C24A	Savage	
C24K	Franklin Bluffs	
C24MA	Colegio 24 de Mayo	
C25A	Freed Ranch, Watford	
C26A	Wahner Farm, Parshall	
C26K	Camden Bay	
C27A	Sayler Ranch, Douglas	
C27K	Jago River	
C28A	Hausauer Farms, Kief	
C2SB	Chapadao do Sul	
C2SC	The Citadel Site 2	
C305S	OBS 305S	
C307S	OBS 307S	
C309S	OBS 309S	
C30A	Mose, Pekin	
C316S	OBS 316S	
C31A	Landman Farms, Northwood	
C32A	Crookston	
C33A	Trail	
C34A	RKJ Ranch, Bemidji	
C35A	Jirik Farms, Max	
C36A	Pine Crest Farm, Angora	
C36M	Paulatuk	
C37A	Embarrass	
C38A	Sawbill Land. Superior Nat. Forest USFS	
C39A	Grand Marais	
C40A	Isle Royale National Park	
CA-	Caryville	CA-TN
CA02	CA02	
CA03	CA03	
CA04	CA04	
CA05	CA05	
CA06	CA06	
CA07	CA07	
CA08	CA08	
CA09	CA09	
CA10	CA10	
CA11	CA11	
CA12	CA12	
CA13	CA13	
CA15	CA15	
CA16	CA16	
CA17	CA17	
CA18	CA18	
CA19	CA19	
CA2	Cagliari Serpeddi	CGL
CA20	CA20	
CAA	Chanaral	
CAAA	Cadoux, CAA	
CAAM	Accademia Aeronautica Militare Pozzuoli (NA) Italy	
CAAN	Eighty Mile Beach, WA	
CAAP	Casiguran, Aurora	
CAB	Cabramurra	
CAB1	Cabo Pasado-Manab	
CABA	Caballo Blanco	
CABAL	Caballito	
CABF	La Chapelle	
CABP	Cabo Pasado	
CABS	Djebel Ababsia	ABSA
CAC	Calama	
CACAO	El Cacao, Veraguas	
CACB	Caconde	
CACC	Caltech Cellar	
CACH	El Canelo	
CACM	Antioch	
CACQ	Cacouna	
CACS	Harewood	
CACV	CAICARA DEL ORINOCO	
CAD	Cady Mountains	
CADA	Capodarco di Fermo	
CADC	Capriano del Colle, Italy	
CADE	Adeje, Tenerife	
CADI	Tunel del Cadi	
CADM	Anderson Res.	ADR
CADP	Cadiz City	
CADR	Cabrera	
CADS	Cadrg	
CADX	Cadoux	
CAE	Caneva	
CAEH	'Ain El Ouahch	
CAEL	Denizli, Cameli-Kalinkoz	
CAF	Calviac	
CAFE	Carife	
CAFI	Castiglion Fiorentino	
CAFL	Campi Flegrei, Pozzuoli, Arco Felice, (NA) Italy	
CAFR	Castel Frentano	
CAFV	EL CAFE	
CAG	Caguas	
CAG1	Curtea de Arges	
CAGC	Fila Aguacate, AGC	
CAGG	Caggiano	
CAGL	Cagli	
CAGN	Cagnes-sur-Mer	
CAGR	Agira	
CAGT	Chagyl	
CAH	Castle Hill	
CAHC	Cahuilla Valley	
CAHL	Cahill	
CAHU	Cacacuatique	
CAI	Caico	
CAIB	Caibarien	
CAIC	Caicedonia	
CAIG	El Cayaco	
CAIM	Angel Island	AGC
CAIV	Caiguire	
CAJU	Mina Sossego	
CAK	Cadoux	
CAL	Calcutta	
CALA	Caldeira	
CALB	Calabasas	
CALC	California City	
CALF	Calern	
CALI	Calice al Cornoviglio	
CALM	Calaveras Res.	CVR
CALMX	Heroes del Desierto, CAL	
CALN	Calern	
CALO3	Calobre, Veraguas	
CALP	Taal Volcano	
CALQ	Cantley	
CALV	Calvario	
CAM	Cambridge	
CAM01	Campos-RJ	
CAM1	Macae	
CAM2	Attock	
CAM3	Guarapari	
CAM4	Nova Friburgo	
CAMA	Camapuan	
CAMAV	Centro de Produccion Miravalles	
CAMB	Cambridge (NY)	
CAMBU	Cambutal, Los Santos	
CAMC	Camarillo Hills	
CAME	Cameli-Denizli	
CAMF	Camaret-sur-Mer, Bretagne, France	
CAMI	Rancho Maria	
CAMM	Veracruz	
CAMN	Camsell Lake	
CAMP	Campotosto	
CAMR	Camarioca	
CAMT	Merkez	
CAMV	Campeare	
CAN	Canberra	
CAN1	UHE Cana Brava	
CAN3	Cana Brava	
CANA	Caviahue	
CANAL	Canalete	
CANB	Canakkale	
CANC	CAN	
CAND	Candarli	
CANF	Canfranc	
CANG	Candelarita	
CANM	Can-anakkale	
CANN	Canning Dam	
CANO	Canova, Magliolo (SV)	
CANR	Candelaria	
CANS	Sao Roque de Minas	
CANT	Cankiri	
CANV	Cerro Antonio	
CANY	Canisius	BUF
CAO	Cobano	
CAO2	Cobano, Puntarenas	
CAOM	Arnold Ranch	ARN
CAON	Cano Negro, CANO	
CAOV	Caicara del Orinoco	
CAP	Capodimonte	
CAP2	Capurgana	
CAPA	Cerignola FG	
CAPC	Capurgana	
CAPCA	Capra Ranch	
CAPH	APH	
CAPN	Captain Cook Nikiski	
CAPQ	Boul. des Capuccins MTQ1	
CAPR	Capriolo	
CAPU	Utah State Capitol	
CAPV	Capacho	
CAQC	Caqueza, Cundinamarca	
CAQP	Cabarroguis, Quirino	
CAR	Caracas	
CAR01	Carai MG	
CAR1	CAROLEI	
CAR22	CARIFE	
CARA	Val d'Aran	
CARB	Mount Cartier	
CARC	Carrizo Plain	
CARD	Cardoso	
CARDN	Malvern Hills, CARD	
CARE	Lago del Careser	
CARF	Carcanieres	
CARI	Cariari	
CARL	Carlisle	
CARM	Carmen	
CARMG	Cadoux-Robbs, CAR	
CARN	Rivas	
CARO	Carolei	
CARP	Carpanzano	
CARR	Arriaga	
CARRO	Carrodano	
CARS	Cars	
CART	Cartagena	
CARV	Caracas	
CAS	Casamari	
CAS01	Occhiobello (RO)	
CAS02	Vigarano Mainarda (FE)	
CAS03	Settepolesini, Bondeno (FE)	
CAS04	Vigarano Pieve (FE) fraz. Diamantina	
CAS05	San Carlo, Sant'Agostino (FE)	
CAS06	Vigarano Mainarda (FE)	
CAS07	S.Agostino (FE)	
CAS08	Chiesa Nuova, Poggio Renatico (FE)	
CASA	Carruther's Hill	
CASAE	School, Casa de Jesus	
CASC	Dorado de Cascales	
CASE	Campi Flegrei, Astroni est, (NA) Italy	
CASEA	Castelmezzano	
CASEE	Lake Jocassee	
CASI	Castillo	
CASL	Cascajal	
CASM	Ain Smara	
CASMG	Cadoux-Shankland, CAS	
CASO	Castillo	
CASP	Castiglione della Pescaia	
CASR	Casa Diablo Mountain	
CAST	Castle Rocks	
CASW	Cayambe	
CASY	Casey	
CAT	Catania	
CATA	Catuaro Arriba	
CATC	CAT	
CATE	Catamayo	
CATI	Cattai, Sydney	
CATL	atalca, stanbul	
CATM	Catron	
CA-TN	Caryville	
CATP	Camiling. Tarlac	
CATZ	Catanzaro	
CAUB	Caruaru	
CAUP	Cauayan	
CAUQ	Cauquenes	
CAV	Cavalese	
CAVC	Cave Mountain	
CAVE	Cavezzo	
CAVI	Cavuskoy	
CAVK	Edirne/Enez-Cavuskoy	
CAVM	Cavillon	
CAVN	Les Avellanes	
CAVT	Castelvetrano	
CAVTT	Cavuskoy	
CAW	Cannon Point	
CAWE	Campi Flegrei, Astroni ovest, (NA) Italy	
CAXIT	CAXITO	
CAY	Cayenne	
CAYA	Cayambe	
CAYO	PUERTO CAYO 2	
CAYR	Refugio Cayambe	
CAYT	Sariam	
CAZ	Castlepoint	
CAZD	Ain Tagrout	
CAZE	Cazenovia	
CAZU	Cerro Azul, Panama City, Panama	
CB01	Cambridge Bay Array Site 1	
CB02	Cambridge Bay Array Site 2	
CB02E	CB02E	
CB03	Cambridge Bay Array Site 3	
CB03E	CB03E	
CB04	Cambridge Bay Array Site 4	
CB04B	CB04B	
CB05	Cambridge Bay Array Site 5	
CB05A	CB05A	
CB05B	CB05B	
CB06	Cambridge Bay Array Site 6	
CB07	Cambridge Bay Array Site 7	
CB07E	CB07E	
CB08	Cambridge Bay Array Site 8	
CB09	Cambridge Bay Array Site 9	
CB09E	CB09E	
CB1	Chesbro Res. 1	ADR
CB10	Mt Hamilton Road	MHR
CB11	Cambridge Bay Array Site 11	
CB11E	CB11E	
CB12	Cambridge Bay Array Site 12	
CB13	Cambridge Bay Array Site 13	
CB14	Cambridge Bay Array Site 14	
CB15	Cambridge Bay Array Site 15	
CB16	Cambridge Bay Array Site 16	
CB17	Cambridge Bay Array Site 17	
CB18	Cambridge Bay Array Site 18	
CB19	Cambridge Bay Array Site 19	
CB2	Calero Reservoir	
CB3	Chesbro Res. 3	COE
CB31	Cambridge Bay Array Site 31	CBAR
CB32	Cambridge Bay Array Site 32	
CB33	Cambridge Bay Array Site 33	
CB34	Cambridge Bay Array Site 34	
CB35	Cambridge Bay Array Site 35	
CB4	Chesbro Res. 4	ARN
CB5	Chesbro Res. 5	SVC
CB6	Chesbro Res. 6	CVR
CB7	Poverty Ridge	
CB8	Chesbro Res. 8	
CB9	Mines Road	MNR
CBA	Cold Bay	
CBAC	Campi Flegrei Castello di Baia (NA) Italy	
CBAG	Campi Flegrei Bagnoli (NA) Italy	
CBAR	Cambridge Bay Array Beam Reference Point	
CBAR1	BAR1	
CBARC	Buenos Aires, BARC	
CBB	Campbell River	
CBBAR	Babar	
CBBF	Combe Brimond	
CBBR	Cluj-Babes-Bolyai University	
CBC	Chamberlain	
CBCC	Caltech Broad	
CBCH	Cabildo	
CBCY	The Bluff, Cayman Brac	
CBD	Cypress Bend	
CBE	Ff, Capesterre Belles Eaux	
CBET	Carlsbad E Tower	
CBEU	Beuda	
CBEY	Konya-Cihanbeyli	
CBGS	Christchurch	
CBH9	Comino Bore Hole 9	
CBHG	Campobasso Ospedale Gemelli	
CBHM	Coso Basin North	
CBHR	Beni Haroun dam	
CBHT	Chr Bro Hi School	
CBI	Chichi jima	
CBIJ	Chichi jima	
CBJI	Citeko	
CBJM	Cipongkor, Jawa Barat	
CBK	Corner Brook	
CBKC	Canebrake	
CBKS	Cedar Bluff	
CBL1	Cabuya	
CBLA	Caribianco	
CBLAA	Tinajo	
CBLG	Bald Mountain Lookout	
CBM	Caribou	
CBMO	Girardeau Bridge	
CBN	Corbin Fredericksburg Observatory	
CBND	Bou Andas	
CBO	Chesbro Reservoir	
CBOC	Ciudad Bolivar, Antioquia	
CBOG1	Bogota, SGC	
CBOGS	Bougous	
CBOL	Buenavista del Norte, Tenerife	
CBOS	Bilal Ibnou Rabah	
CBP	Campbellpur	
CBPH	Campobasso Palace Hotel	
CBR	Cabramurra	
CBRE	Brena Baja,La Palma	
CBRG	Chuberi	
CBRI	Barrientos, Norte de Santander	
CBRM	Bolinger Road	BGC
CBRQ	Cabonga Reservoir	
CBRU	Bruguera	
CBS	Caborca	
CBSM	Byron Hot Springs	
CBSNC	Byron Hot Springs, Alameda County	
CBST	Bordj Sabath	
CBSW	Chelan Butte South	
CBT	Christianburg	
CBTI	Cedar Butte	
CBTN	Chibotane	
CBUD	Illa de Buda	
CBVB	Cao Bang	
CBW	Chelan Butte	
CBW1	Budock Water	
CBWM	Brookwood Res.	BKC
CBX	Cerro Bola	
CBY	Cold Bay	
CBYB	Canovanas	
CBYP	Canovanas	
CBZ	Campbell Island	
CBZL	Buffer Zone	
CBZM	Michoacan	
CC01	CC01	
CC03	Monteleto	
CC03E	CC03E	
CC05	CC05	
CC06A	CC06A	
CC06B	CC06B	
CC07	CC07	
CC08A	CC08A	
CC1	Presa Caracol 1	
CC2	Presa Caracol 2	
CC3	Presa Caracol 3	
CC4	Presa Caracol 4	
CC5	Presa Caracol 5	
CCA	Coamo	
CCA1	Carnmenellis	
CCAC	Calif City Airpt	
CCAL	Punta Orchilla, El Hierro	
CCAN	Las Canadas	
CCAP	Centro Acquisizione Posillipo, Napoli (NA), Italy	
CCAR	Cane Creek	

Code	*Station Name*	*Other*
CCAS	Cassa de la Selva	
CCAZ	Cataract Creek	
CCB	Clear Creek Butte	
CCBM	Arkhangai, Tsenkher soum	
CCC	Cusp Creek	
CCCA	Chr Cany lake	
CCCC	Cccc	
CCCH	Con Con	
CCCH3	David	
CCD	Concordia, Antarctica	
CCE3	Bocca Seriola	
CCF	CONSTANTA	
CCG	Camp Century	
CCH	Cochabamba	
CCH1	Kalapoi	
CCH2	Burnt Hill	
CCH3	Windwhistle	
CCH4	Leeston	
CCH5	Chertsey	
CCHE	Chesterland	
CCHI	Chillan	
CCHK	Cheung Chau	
CCHO	La Orotava (Tenerife)	
CCI	Cagliari Citta	
CCIG	Comitan	
CCIP	El Cipres, CIP	
CCJM	Campaka, Jawa Barat	
CCK	Cocos Island	
CCLV	Calvizzano	
CCM	Cathedral Cave	
CCMO	Creve Coeur	
CCMT	Clark Canyon Reservoir	
CCMX	Caleta Campos	
CCN	Cachucha Ranch	
CCN3	Pietralunga	
CCNC	Camp Creek Bald	
CCNE	Clay Center	
CCNM	Crow Canyon Rd	CYC
CCNY	Canisius College, New York, USA	
CCO	Chico	
CCO1	Constantine	
CCOB	Coe Ranch Number 3	
CCODA	Codazzi, Cesar	
CCOK	Camp Classen	
CCOL	Caracol de Corredores, Puntarenas	
CCOM	Coe Ranch	COE
CCON	CON	
CCOR	Corcoran	
CCORO	Corozal, CORO	
CCP	Cebu City	
CCPC	Citt di Castello	
CCPR	CROEC-Ceiba	
CCPU	Cedar City Park	
CCR	Chacarita	
CCRB	Cholame Creek	
CCRM	Cairn Curran	
CCRS	Cacerres, MT, Brazil	
CCRT	Cow Camps Rge	
CCS	Cawcaw Swamp	
CCSP	San Pedro de Concepcion	
CCT	Chilecito	
CCTS	CTS	
CCU	Cedar City	
CCUC3	Cucuta, Santo Domingo	
CCUFI	Cufio, Nario	
CCUM	Cumbre, El Hierro	
CCUT	Cedar City	
CCVA	Cudjo Caverns	
CCVB	Con Cuong	
CCW	Cape Campbell	
CC-WA	Cascade Tunnel	
CCX	Cicese	
CCYM	Coyote Hills	
CD01	CD01	
CD04	CD04	
CD06	CD06	
CD07	CD07	
CD10	CD10	
CD11	CD11	
CD12	CD12	
CD14	CD14	
CD15	CD15	
CD16	CD16	
CD17	CD17	
CD19	CD19	
CD2	Chengdu	
CDA	Cape Douglas	
CDAG	Cicekdag	
CDAL	Dalton Road	
CDAM	Ciudad Altamirano	
CDAR	Ciudad de Armeria	
CDB	Caldarusani	
CDC	Canada Road	
CDCA	Citt` di Castello	
CDCB	Carmo do Cajuru	
CDCH	Caldera	
CDCN	Doucen	
CDCT	Citta di Castello Trestina	
CDD	Cape Douglas	
CDF	Champ du Feu	
CDFW	Cedar Flats	
CDG	Carters Dam	
CDH1	Calico Hills	
CDH5	Calico Hills	
CDI	Cordova	
CDI1	CASTEL DI IUDICA	
CDIE	La Orotava (Tenerife)	
CDITO	Canoas	
CDKN	Chidliak Camp Nunavut	
CDL	Candle	
CDL2	Cedral	CDRL
CDLV	Cueva Verdes	
CDM	Cerro de Muerte	
CDMR	Cedar Moraine	
CDN	Cerro del Durazano	
CDNM	Cardinia	
CDO	Cedar Creek	
CDOB	Cd. Obregon	
CDOM	Doolan Road	DOO
CDOP	Cateel, Davao Oriental	
CDOS	Garachico, Isla de Tenerife	
CDOV	Campi Felrei, Via Diocleziano, Osservatorio Vesuviano (Sede)	
CDP	Cerro de Punta	
CDPB	Cerro de Punta	
CDR	Cadarache	
CDRL	Cedral	
CDRO	Cedros	
CDRU	Civita di Ruta - Ottati	
CDS	CASTEL DI SANGRO	
CDSB	Chapadao Do Sul	
CDSM	Don Santos Ranch	
CDT	Castel del Monte	
CDU	Chengdu	
CDU1	Dunnerdale	
CDUM	Durate Ranch	DUC
CDVI	St. Croix	
CDVM	Del Valle	
CDY	Cape Darby	
CDZ	Cobb Dam	
CE-	Concrete	CE-WA
CE01	CE01	
CE02	CE02	
CE03	CE03	
CE04	CE04	
CE05	CE05	
CE06	CE06	
CE07	CE07	
CE08	CE08	
CE09	CE09	
CE11	CE11	
CE13	CE13	
CE15	CE15	
CE16	CE16	
CE17	CE17	
CE18	CE18	
CE19A	CE19A	
CE20	CE20	
CE21	CE21	
CE22	CE22	
CE23	CE23	
CE24	CE24	
CE25	CE25	
CEA	Ceahlau	
CEA0	Mexicali	
CEAP	Semis' Anvil Peak	
CEAZ	Cerra Azul, Caleta Web	
CEC	Childress 1	
CECL	East Claridon	
CECO	Cedaredge	
CECS	Cheviot Emergency Centre	
CECU	Ecuador Network	
CED	Cedar Springs	
CEDA	San Andres	
CEDE	Laguna Cedeo	
CEDI	Cerro Diablo	
CEDR	Cedros	
CEGR	Campo Tres	
CEH	Chapel Hill	
CEI	Carei	
CEIR	Carei	
CEIV	La Ceiba	
CEKR	Cima Ekar Asiago	
CEL	Celeste	
CELB	S.Piero in Campo Elba	
CELI	Celico	
CELLE	Campi Flegrei Pozzuoli - Via Celle, Napoli (NA)	
CELM	El Mayor, ELM	
CELO	Sant Celoni	
CELP	Cerrillos	
CEM	Cemisgezek	
CEME	Cevo	
CEN	Cerronegro	
CEN1	Los Morros	
CENE	Cerro Negro	
CENEC	Vda. El Buco, CENE	
CENR	El Paso, La Palma	
CENT	San Jose	
CEO	Cerro Encantado	
CEOS	Cerro El Oso	
CEP	Cherat	
CEPE	Semis' Perret Rge	
CER	Ceres	
CERA	Filignano	
CERAA	Semis' Rag'd Top	
CERB	Semis' Cerberus	
CERBA	Cerbatana	
CERNS	CERN, Surface station	
CERR	Cheremushki	
CERRC	San Fernando, CERR	
CERS	Ceres, CA, USA	
CERT	Cerreto	
CERV	Cerron	
CES	Cherskiy	
CESE	eme	
CESI	CESI - Serravalle di Chienti	
CESL	Cescau	
CESO	Esterillos Oeste, ESO	
CESP	Espinalbet	
CESS	Cesta pri Krskem	
CEST	Esterri de Cardos	
CESW	Semis' Southwest	
CESX	Cesi	
CET2	Cetraro	
CETU	Semis' Tuman	
CEU	Ceuta	
CEUA	Cerro Uatsi, Limon Sur	
CEUT	Ceuta	
CEV	CEVA	
CEVE	Cerro Verde	
CE-WA	Concrete	
CEY	Cerknica	
CEYK	Tsey	
CEYT	Ceyhan	
CF-	Colfax	CF-WS
CF01	CF01	
CF02	CF02	
CF04	CF04	
CF05	CF05	
CF06	CF06	
CF07	CF07	
CF08	CF08	
CF09	CF09	
CF10	CF10	
CF11	CF11	
CF13	CF13	
CFA	Coronel Fontana	
CFAA	Coronel Fontana	
CFAR	Far de la Banya	
CFB1	Campi Flegrei Boa1	
	Golfo di Pozzuoli (NA) Italy	
CFB2	Campi Flegrei Boa2 Golfo di Pozzuoli (NA) Italy	
CFB3	Campi Flegrei Boa3 Golfo di Pozzuoli (NA) Italy	
CFC	Cairnmuir Flats	
CFF	Clermont-Ferrand	
CFI	College Fiord	
CFJ	Citronen Fjord	
CFL	Chilao Flats	
CFLI	Flix	
CFLOR	Florencia	FLOC
CFLP	Fuencaliente de la Palma, La Palma	
CFM	Cliffside	
CFMN	Campi Flegrei Oasi WWF Monte Nuovo Pozzuoli (NA) Italy	
CFNY	Clifton-Fine, NY	
CFO	Chats Falls	
CFON	Fontmartina	
CFOR	Fortaleza, Los Realejos, Tenerife	
CFR	Carcaliu	
CFS	Cross Fire Station	
CFSA	Confresa	
CFSB	Campi Flegrei Sea Bottom Golfo di Pozzuoli (NA) Italy	
CFSC	Central Fire St	
CFT	Crafton Hills	
CFTB	Yalova	
CFTV	Fuerteventura	
CFU	Cove Fort	
CFUE	Fuerteventura	
CFWM	Cactus Flat West	
CF-WS	Colfax	
CG-	Cumberland Gap	CG-VA
CG1H	Caggiano	
CGA	Cape Gloucester Airport	
CGA2	Cerro Gallo 2	
CGAC	Cerro Gallo	
CGAL	Galliners	
CGAR	Garraf	
CGC	Craig	
CGD	Chagda	
CGDA	Cheongdo	
CGG	Guerrero	
CGG3	Caggiano	
CGGP	Crater GGP	
CGH	Cape Good Hope	
CGH1	Goonhilly	
CGI	Chicago	
CGIA	Cheongil	
CGIG		
CGIN	Giniginamar, Fuerteventura	
CGIR	Ginora - Universitat	
CGIS	Girona - Santa Caterina	
CGJI	Cibinong	
CGL	Cagliari Serpeddi	
CGL1	Ceglie Messapica	
CGLLO	Canta Gallo	
CGLM	Capps Glacier	
CGM	Cape Girardeau	
CGM3	Cape Girardeau	
CGMA	Guelma	
CGN	Calugareni	
CGNY	Colgate University, Hamilton, NY	
CGO	Cerro Gordo	
CGONA	Les Gonaivves, Artibonite	
CGOR	Puntagorda, La Palma	
CGP	Cagayan de Oro	
CGPM	Gavin Park	
CGPV	Cottongarden Point	
CGR	Cap Guir	
CGR1C	Isla Gorgona, Cauca	
CGRA	Granadilla de Abona, Tenerife	
CGRAN	Playa Grande, GRAN	
CGRH	CHANDIGARH	
CGRN	Granollers	
CGRP	Cima Grappa	
CGRR	Girdled Road	
CGRV	Cedar Grove, Kings Canyon National Park, CA USA	
CGRY	Granyena	
CGSM	China Gardens South	
CGT	Chuian-Garon	
CGTN	Cumberland Gap	
CGTO	Guanajuato, GTO	
CGTX	Campo Grande	
CGUA	Guabo, GUA	
CGUAY	Guayabal, Cochea	
CGUB	Chungun	
CGUE	Guelma	CGMA
CGUI	Guimar, Tenerife	
CGV	Camp Garcia	
CG-VA	Cumberland Gap	
CGVM	Cerro Gordo	
CGW	Gweek	
CGX	Ciudad Guzman	
CGY	Coligny	
CGYA	Cheongyang	
CH-	Churchill	CH-MT
CH01	Chania	
CH02	Chania	
CH03	Technical University Creta	
CH2	Chocolate Mountain	
CH5	Clark Hill Reservoir	
CH6	Clark Hill Reservoir	
CHA	Chatra	
CHA1	Chaam	
CHA2	Chaam	
CHA3	Chaam	
CHA4	Chaam	
CHA5	Chaam	
CHAC	Puerto Chacabuco	
CHAE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
CHAF	Chalampe	
CHAG	Chala	
CHAI	Chaiyaphum	
CHAL	AfricaArray SE Tanzania Basin Experiment - YH	
CHAM	Chaffey Accelerograph	
CHAN	Chania	
CHAP	Chapeco	
CHAR	Charly	
CHAS	Isla Isabel II, Islas Chafarinas	
CHAT	Chantaburi	
CHAU	Chaumont	
CHAY	Cayeli-Rize	
CHB	Church	
CHBG	Chuberi	
CHBI	Chibit, Altay Republic, Russia	
CHBR	Chabahar	
CHBT	CHBT	
CHBY	Cihanbeyli	
CHC	Chapel Hill	
CHCC	Christchurch Cathedral College	
CHCE	Chiaravalle Centrale	
CHCH	Chadas Angostura	
CHCP	Chirah Chowk	
CHCR	Itabira, Brazil	
CHCS	Chieti Campus	
CHDK	Chadak	
CHDN	Chaudanne	
CHDS	Charjew	
CHDUK	Cheddleton UK	
CHE	Cheb	
CHEF	Ethiopian Broadband Seismic Experiment	
CHEFC	Chefchaouen	
CHEG	Cheticamp, Nova Scotia	
CHEL	Chelinda	
CHER	Cherat	
CHET	Chet-Su	
CHF	Calhoun Falls	
CHFC	Chilao Flat Sta	
CHFM	Chaffey Dam	
CHFR	Pto Chacabuco	
CHG	Chiang Mai	CHTO
CHGB	Renai	
CHGE	School, Chagni	
CHGM	Chingoma	
CHGN	Chignik	
CHGQ	Chibougamau	
CHGR	Chuyangaron	
CHGR2	Aguacate	
CHH	Chihuahua	
CHI	Chicago-Loyola	
CHI1	Chimborazo	
CHI2		
CHIA	Chirikof Island	
CHIB	CHIBUNGA	
CHIC	Chingaza	
CHIE	El Hierro	
CHIF	Chize	
CHIHN	Chmisales	
CHIK	Chiripa	
CHIL	Chillagoe	
CHIM	Chimborazo	
CHIN	Chinandega	
CHINC	L'Ermitage, Hinche, Centre	
CHIO	Chio	
CHIP	Near Potsdam	
CHIPN	CHIPINGE	
CHIQ	Chicoutimi-Nord	
CHIR	Chirikof Island	
CHIR1	Chironico	
CHIR3	Chiriqui UPA, Chiriqui	
CHIS	Cerro-Chispas-Manabi	
CHIT	Chita	
CHIT3	Chitre	
CHIV	Chivirico	
CHIX	Chihuahua	
CHJ	Chichibu	
CHJJ	Chichibu	
CHJN	Chongjin	
CHK	Chicago	
CHK4	Chkalova array site	
CHK5	Chkalova array site	
CHK6	Chkalova array site	
CHK7	Chkalova array site	
CHK8	Chkalova array site	
CHK9	Chkalova array site	
CHKA	Cham-Katzbach	
CHKH	Chenggong	
CHKI	Chanki	
CHKK	Chushkaly	
CHKT	Chengkung	
CHKZ	Chkalovo	
CHL	Chilik	
CHL1	Volcn Chiles-Cueva de arcos	
CHL2	Volcn Chiles	
CHLD	Childara	
CHLP	Challavanipeta	
CHLR	Chilia	
CHM	Chimkent	
CHMA	Chilma	
CHMF	Charmoille	
CHMG	Chimgan	
CHMI	Chimion	
CHML	Chimala	
CHMN	Cheshme madani	
CHMR	Chegdomyn	
CHMS	Chumysh	
CHMT	Chamberlain Mountain	
CH-MT	Churchill	
CHMZ	Choma	
CHN	Chinchina	
CHN1	Nanshi	
CHN2	Minshiung	
CHN3	Shinhua	
CHN4	Tsaushan	
CHN5	Tsauling	
CHN6	CHN6	
CHN7	Lioujiau	
CHN8	Yiju	
CHNA	Chernabura Island	
CHNB	Souda	
CHNC	Chino	
CHNG	Los Chungos	
CHNM	Channel	
CHNN	El Viejo	
CHO	Chosi	
CHO0	Chocan - Peru	
CHO1	Chosi	
CHOC		

Code	Station Name	Other
CHOH	Chagrin River Park	
CHOHN	Orocuina	
CHOI	Coyote Hollow	
CHOJ	Chosi	
CHOM	Cayeli-Rize	
CHON	CHONE	
CHOR	Cabbage Hill	
CHOR3	La Chorrera	
CHOS	Chios island	
CHOYA	Hojancha, HOJA	
CHP	Chuchupate	
CHP1	Pelados	
CHP2	Corcovado	
CHP3	Chocan	
CHP4	Algarobillo	
CHP5	Huaypira	
CHP7	Eten	
CHP8	Chiclayo	
CHPA	Chiripa	
CHPI	Pichilemu	
CHPM	Chiautla de Tapia	
CHPO	Chepo, Panama	
CHQ	Charlesbourg	
CHR	Christchurch	
CHRB	changnyeong	
CHRDR	Choruk-Darron	
CHRG	Chargali	
CHRH	School, W of Chirchemesc	
CHRK	Chirukhi	
CHRM	Charleston	
CHRN	Cochrane	
CHRO	Chalk River	
CHRS	Christianenhaus	
CHRT	Chiangrai	
CHRU	Chernivtsi	
CHRV	Charvak	
CHRY	Calls Hollow Road	
CHS	Chusal	
CHSA	Colony High School	
CHSH	Refugio Sur-Volcn Chimborazo	
CHST	Chistovodnoe	
CHT	Chittagong	
CHT1	Chitral	
CHTG	Tecpan	
CHTH	Charan	
CHTJ	Chita	
CHTL	Chitral	
CHTN	Church Hills	
CHTO	Chiang Mai	
CHTS	Chatyr-Tash	
CHU	Chur	
CHUD	Chudeng	
CHUE	Retiro	
CHUH	Cerro de Hula	
CHUJ	Union Juarez	
CHUK	Chukha	
CHUM	Lake Minchumina	
CHUN	Chunya	
CHUQ	Chuquichambi	
CHUS	Chupsang	
CHV	Chiavari	
CHV1	Chavriata, Kefallonia	
CHVC	Chvalec	
CHVG	Ch'k'valeri	
CHVK	Chauvay	
CHVM	Chichinautzin	
CHW	Chowiet Island	
CHWO	Cooper Hollow Wildlife Area	
CHX	Chaix Hills	
CHY	Chiayi	
CHYB	Chungyang	
CHZ	Chorzow	
CHZP	Chorzow	
CI-	Clintwood	CI-VA
CI18	Le Prarion, La Cote	
CI19	Les Bois	
CI20	La Palud, 99127, Vallee D'aoste, Italy	
CIA	Chichaoua	
CIAC	Catalina I. Airport	
CIB	Cedar Butte	
CIBA1	Ibague, SGC	
CIBOR	Castaar de Ibor, Cceres	
CICH	Cipreses	
CICN	Ciocanesti	
CICO	Icod de los Vinos	
CICP	Calayan Island, Cagayan	
CIDE	Kastamonu/Cide-Merkez	
CIEL	Dossenheim-sur-Zinsel	
CIFT	Cifteler, Eskisehir	
CIGN	Sant'Elia a Pianisi	
CIGS	Centro de Investigaciones Geotecnicas	
CIHU	Emiliano Zapata	
CII	Carovilli	
CIJI	Cipedes, Jawa Barat	
CIJM	Cikedung, Jawa Barat	
CIKK	Chikola	
CIM	Chimachoy	
CIMA	Civitanova Marche	
CIMI	Ciminna	
CIMO	Cimolais	
CIN	Cine	
CINF	Adeje, Tenerife	
CING	Cingoli	
CINR	Cinarcik Cinnet	
CIO	Camerino	
CIOR	Ciorogarla	
CIP	Cipolletti	
CIPM	Puebla	
CIQ	Chicoutimi	
CIR	Chiredzi	
CIRC	Crculo Militar	
CIREY	Cirey Neuves-Granges	
CIRK	Ciro'	
CIRL	Cave In Rock	
CIRO	Champorcher	
CIRR	Tsirk	
CIS	Catalina Island Airport, Avalon	
CIS21	CIS array 21	
CIS22	CIS array 22	
CIS23	CIS array 23	
CIS24	CIS array 24	
CIS25	CIS array 25	
CIS26	CIS array 26	
CIS27	CIS array 27	
CIS28	CIS array 28	
CIS29	CIS array 29	
CISC	Cisc	
CISCH	FORIO D' ISCHIA	
CISI	Cisompet, Garut	
CIT	Chita	
CIU	Catalina Island	
CI-VA	Clintwood	
CIVI	Edificio de Ingeniera Civil	
CIVM	Cilcuayo	
CIW	Santa Catalina Island West	
CIZ	Chatham Islands	
CJA	Chijiwa	
CJD	Chujado	
CJDB	Chunjangdae	
CJED	Jedey, El Paso, La Palma	
CJM	Chamela	
CJR	Cluj-Napoca	
CJR1	Cluj-Napoca	
CJSR	Ain Djasser	
CJUL	El Julan, El Hierro	
CJV	Casa Juvan	
CJVM	Cuajimalpa	
CJW	Canyon Junction	
CK-	Cache Creek	CK-BC
CK00	CEPHALONIA KOUTAVOS	
CK06	CEPHALONIA KOUTAVOS 6	
CK15	CEPHALONIA KOUTAVOS 15	
CK40	CEPHALONIA KOUTAVOS 40	
CK83	CEPHALONIA KOUTAVOS 83	
CKA	Chakrata	
CK-BC	Cache Creek	
CKC	Cook Canyon	
CKE	Keswick	
CKFL	Kef-Lekhel	
CKGRV	CKGRV	
CKH	Chokchoi	
CKHR	Kef el Ahmar	
CKHZ	Cape Kidnappers	
CKI	Cairo Montenotte	
CKK	Chekok	
CKL	Chakachamna Lake	
CKLZ	Chkalov	
CKM	Coopers Lake	
CKN	Chakachatna North	
CKO	Chalk River	
CKP	Chanarkot	
CKR	Christmas Creek	
CKRC	Cesky Krumlov	
CKRK	Yozgat, Cekerek-Merkez	
CKT	Bend	
CKTS	El Kantara	
CKVB	Chieng Khoang	
CKWL	Crookwell	
CKWP	CEPHALONIA KOUTAVOS FF	
CL-	Challis	CL-ID
CL01	CL01	
CL02	CL02	
CL03	CL03	
CL04	CL04	
CL05	CL05	
CL1	Del Valle	CDVM
CL1S	Chul'man	
CL2	Mines Road	CMNM
CLA	Chala	
CLA1	Claut1	
CLAB	ClautB	
CLAF	Gruissan	
CLAJ	Vilaflor (Tenerife)	
CLAN	Lanzarote	
CLANW	CLANWILLIAM TOWN	
CLAP	Shields Creek	
CLAR	Clarkstown	
CLARA	Aguas Claras	
CLAW	Mount Claude	
CLB	Chilbolton	
CLC	China Lake	
CLCB	Lake Chabot	
CLCH	Cerro Calan	
CLCM	Lake Chabot	LKC
CLCO	Concord Point, Cleveland Volcano	
CLCV	CALICANTO	
CLD	Caldera	
CLDB	Colider	
CLDR	Caldiran	
CLE	Cleveland	
CLEM	Kyllini,Ilia,Greece	
CLEO	Cleveland Museum of Natural History	
CLES	Cleveland East, Cleveland Volcano	
CLEV	Clevilliers	
CLF	Chambon-Foret	
CLG	Cologne	
CLG1	CALTAGIRONE	
CLGH	Cloghs, Cushendall	
CLH	Cheltenham	
CLI	Colonesti	
CLI2	Calipatria 2	
CLIC	Calipatria	
CL-ID	Challis	
CLIM	Miraflores	
CLIN	Clinton	
CLIR	CLINCENI	
CLISU	ISU Calarasi	
CLJI	Cilicap	
CLK	Chileka	
CLKR	Crowley Lake	
CLL	Collm	
CLLA	Los LLanos de Aridane, La Palma	
CLLI	Llivia	
CLLN	Colliano	
CLLP	Cerrillos	
CLLRA	Cordillera,	
CLM	Coleman	
CLMC	Lago Colima	
CLMF	riteuil-la-Magdeleine - 16116 - Charente - France	
CLMT	Clear Creek, Montana	
CLN	Carlsbad	
CLN2	Carlsbad 2	
CLN4	Carlsbad 4	
CLN6	Carlsbad 6	
CLN7	Carlsbad 7	
CLNB	Carlsbad	
CLNS	Chul'man	
CLNZ	Clenze	
CLO	Closani	
CLOB	Isla de Lobos, Fuerteventura	
CLP	Clara Peak	
CLPO	Centennial Lake Park	
CLPS	Cantalupo del Sannio	
CLR	Collurania	
CLRN	Clyde River	
CLRS	Cowichan Lake Research St	
CLRV	Clear Lake Reservoir, Modoc National Forest, Newell, CA USA	
CLS	Calistoga	
CLS1	Calarasi	
CLS7	CASTELLUCCIO SUPERIORE	
CLSA	chilseo	
CLSB	Cack Lake	
CLT	Charlottesville	
CLT3	Calitri	
CLTA	Licata	
CLTB	Caltabellotta	
CLTC	Calectric	
CLTN	Cedars of Lebanon	
CLTR	Calitri	
CLTS	Caltanissetta	
CLU	Cluj	
CLUB	Club Campestre	
CLUD	Cludinico	
CLUM	San Bartolome de Tirajana (Gran Canaria)	
CLV	Cleve	
CLVB	Cleveland Dam	
CLVN	Colville Lake	
CLVV	Chieng Lao	
CLW	Colville	
CLWO	Collingwood	
CLX	Calx Mountain	
CLY	Crystal Lake	
CLZ	Clausthal	
CM01	Chiang Mai Array Site 1	
CM02	Chiang Mai Array Site 2	
CM02E	CM02E	
CM03	Chiang Mai Array Site 3	
CM03E	CM03E	
CM04	Chiang Mai Array Site 4	
CM05	Chiang Mai Array Site 5	
CM05E	CM05E	
CM06	Chiang Mai Array Site 6	
CM07	Chiang Mai Array Site 7	
CM08	Chiang Mai Array Site 8	
CM08E	CM08E	
CM09	Chiang Mai Array Site 9	
CM1	Central Minnesota Array	
CM10	Chiang Mai Array Site 10	
CM11	Chiang Mai Array Site 11	
CM12	Chiang Mai Array Site 12	
CM13	Chiang Mai Array Site 13	
CM14	Chiang Mai Array Site 14	
CM15	Chiang Mai Array Site 15	
CM16	Chiang Mai Array Site 16	CMAR
CM17	Chiang Mai Array Site 17	
CM18	Chiang Mai Array Site 18	
CM2	Central Minnesota Array	
CM3	Central Minnesota Array	
CM31	Chiang Mai Array Site 31	
CM32	Chiang Mai Array Site 32	
CM33	Chiang Mai Array Site 33	
CM34	Chiang Mai Array Site 34	
CM35	Chiang Mai Array Site 35	
CM36	Chiang Mai Array Site 36	
CM4	Central Minnesota Array	
CM5	Central Minnesota Array	
CM6	Central Minnesota Array	
CM6*	Campone	
CMA	Clear Mews	
CMA05	Scuola Piaget, via Montegrappa, Ancona	
CMA06	Centro Sportivo Paolinelli, via Saturno Schiavoni, Ancona	
CMA07	Oratorio Salesiani, Corso Carlo Alberto, Ancona	
CMA08	Universit Economia, Ancona	
CMA09	Chiesa Santi Cosma e Damiano, Ancona	
CMA1	Manaccan	
CMA10	Strada della Grotta, Ancona	
CMA11	Centro Addestramento Marina Militare, Ancona	
CMA12	Parco del Cardeto (Faro Nuovo), Ancona	
CMA13	Via Barilatti, Ancona	
CMA14	Regione Marche - Palazzo Raffaello, Ancona	
CMA15	Palascherma, Ancona	
CMAH	Djebel Manchoura	
CMAI	Chiengmai2	
CMAN	Manuel Antonio, MAN	
CMAN1	Manizales, Caldas	
CMAQ	Casa Mquinas	
CMAR	Chiang Mai Array Beam Reference Point	
CMARA	Lajas Hojancha	
CMARB	Playa Azul, MARB	
CMARE	MARE	
CMAS	Mas de Barberans	
CMAT	Matapalo, MAT	
CMAZ	Villa de Mazo, La Palma	
CMB	Columbia College	
CMBC	Cumbal	
CMBN	Cumberland Camp Nunavut	
CMBO	Columbo, Santorini Isl.	
CMBY	CAMPBELL BAY	
CMC	Coppermine	
CMC01	Camacan, BA	
CMCH	Combarbala	
CMCL	Mercadel, El Hierro	
CMCM	Mills College	
CMCO	Colorado Mnmt	
CMCZ	Cairnmuir Mts	
CMDO	Montedoro	
CMDR	Camlidere-ANKARA	
CME	Menerdue Farm	
CMEN	Mentor	
CMER	Merouana	
CMET	Nicosia	
CMF	Cannet Maures	
CMG	La Cumbre	
CMG2	La Cumbre 2	
CMGA	Chestnut Mountain	
CMH	Chemehuevi Mountains	
CMHM	Mt Hamilton Road	MHR
CMHS	Cashmere	
CMHT	Manyas	
CMI	Centennial Mountain	
CMIG	Matias Romero	
CMIR	El Paso, La Palma	
CMIS	Campi Flegrei Capo Miseno Bacoli (NA) Italy	
CMJ	Castle Mountains	
CMJI	Cimerak	
CMJM	Mission San Jose	MSJ
CML	Cha da Macela	
CMLA	Cha da Macela	
CMLM	Mount Lewis	
CMM	CASTIGLIONE MESSER MARINO	
CMMM	Mount Mocho	
CMMT	Chiang Mai	
CMN	Crown Mine	
CMNM	Mines Road	
CMNY	Cheesecote Mountain, Pomona, NY	
CMNZ	COMUNANZA	
CMO	College--Fairbanks	
CMO6E	CMO6E	
CMOB	Morgan Territory	
CMOM	Morgan Territory	MTC
CMON	Montserrat	
CMORA	Tapias, MORA	
CMP	Campulung	
CMP1	Campulung	
CMP3	Campagna	
CMPA		
CMPB	Campos	
CMPM	Mikes Peak	
CMPN	Campana	
CMPO	Campotto Po	
CMPR	Campora	
CMR	Camerino	
CMRD	Camardi-Nigde	
CMRE	Camaiore	
CMRM	Mines Road	MNR
CMRN	Camerino	
CMRS	Pozzuoli	
CMRU	Campi Flegrei Monterusciello, Napoli (NA)	
CMS	Cobar Meteorology Station	
CMSA	Cobar Meteorology Station	
CMSB	University of California Stadium	
CMSM	San Martin Jilotepeque	
CMSN	Campi Flegrei Monte S.Angelo, Napoli (NA), Italy	
CMT	Clancy	
CMTL	MTL	
CMTS	Campi Felrei, Via Metastasio CNR - IRC	
CMTX	Cooper Mountain	
CMU	Cedar Mountain	
CMW	Cultus Mountains	
CMWZ	Cape Campbell	
CMX	Colima	COLM
CMZ	Cashmere	
CN-	Cornell	CN-WS
CN01	Coaracy Nunes - AP	
CN03	CN03	
CN05	CN05	
CN07	CN07	
CN1H	Cairns Hard Rock	
CN2	Changchun	
CN2S	Cairns Soft Rock	
CNA	Cantwell	
CNA27	Comision Nacional del Agua 27	
CNAEN	Presa Emilio Lopez Z.	
CNALG	Represo Algodones	
CNAO	La Restinga, El Hierro	
CNAR	Naranjo, NAR	
CNAS	Canas	
CNATJ	Tijuana	
CNATK	Presa El Carrizo, Tecate	
CNAZ3	Canazas, Veraguas	
CNB	Canberra Magnetic Observatory	
CNBA	Chernabura Island	
CNC	Concord--Diablo Valley College	
CNCB	Chanca	
CNCH	Conchagua	
CNCI	Crows Nest Canyon	
CNCM	Norris Canyon Road	
CNCO	Chanco	
CNCR	Cernica	
CNCS	Concesio	
CNCY	Coyoacan	
CND	Currant	
CNDA	Cunda Adasi Ayvalik Balikesir	
CNDF	Condofuri	
CNE	Childress 2	
CNESE	Morano Calabro	
CNF	Cerre-les-Noroy	
CNG	Changalane	
CNG6	Santa Emilia	
CNGA	Al SSO del Volcan Cerro Negro	
CNGN	Cerro Negro	
CNGR	Negrine	
CNGT	ngs	
CNGZ	Carnagh Station	
CNH	Changchun	

Code	*Station Name*	*Other*
CNI	Changuinola	
CNI2	El Empalme, Bocas del Toro	
CNIC	Niles Canyon	
CNIL	Conil	
CNIS	Campi Flegrei Nisida, Napoli (NA), Italy	
CNJ	Catfish Pond	
CNJI	Cibinong	
CNK	Concordia	
CNKL	ınarlı, anakkale	
CNL	Connel	
CNLB	Canela	
CNM	Chama	
CNMT	CAGNANO AMITERNO	
CNN	Cincinnati	
CNNC	Cliffs of the Neuse	
CNO	Childress 3	
CNOCA	NORCASIA, CALDAS	
CNOP	Candoni, Negros Occidental, Philippines	
CNOQ	Cote-Nord, Quebec	
CNOR	Icod de los Vinos, Tenerife	
CNP	Catarman	
CNPM	China Poot	
CNQ	Baie Comeau	
CNR	Chonco	
CNRM	Centro Nacional de Registro (CNR) San Miguel	
CNRN	Canarana	
CNRT	Cenerente	
CNS	Constantine	
CNS1	Cairns-h seis/acc	
CNSH	ChangSha	
CNT	Guangzhou	GZH
CNTA3	Canitas, Panama	
CNTC	Contact Creek	
CNTN	Cantiano	
CNTO	Contao	
CNTR	San Joaquim	
CNU	Chengdu	CDU
CNV	Corbin	CBN
CNVL	Nueva Leon, NVL	
CNW	Childress 4	
CN-WS	Cornell	
CNY	City College NY	
CNZ	Chateau	
CO-	Colome	CO-SD
CO01	Juntas del Toro	
CO02	Combarbal	
CO03	El Pedregal	
CO04	Los Peladeros	
CO05	La Serena	
CO06	Fray Jorge	
CO2	Coxcomb Mountains 2	
CO22	Cocozzello	
COA	Coachella	
COAL	Corum-Alaca	
COAS	Coatepeque	
COAT	Oued Athmania	
COAV	Cumanacoa	
COB	Cobb River	
COB3		
COBO	Cobden	
COBQ	Cobquecura	
COBR	COOCHBEHAR	
COBS	Casablanca	
COBT	Iskenderun	
COC	Colombo	
COCH	Cobquecura	
COCO	West Island	
COCR	Colorado	
COD	South Dennis	
CODC	Agustn Codazzi, Colombia	
CODE	Correggio	
CODG	Codroy Newfoundland	
CODM	Codolo	
COE	Coe Ranch	
COEB	Comit de Emergencia de Berln	
COEG	Centro de Operaciones de Emergencia de Guadalupe	
COEN	Coen	
COFF	Manyatta Coffee Estate	
COFN	Cofrada	
COH	Cochiti	
COHC	Cochancay	
COI	Coimbra	
COIG	Colima	
COIM	Forte Coimbra	
COIS	El Sosneado	
COJ	Choshi	
COK	Cook Ranch	
COK2	Cook Ranch 2	
COKM	Charter Oak	
COKN	Cook Lake	
COL	College Outpost	
COL3	Colliano	
COLA	College	
COLB	Campi Flegrei Monte Olibano Pozzuoli(NA) Italy	
COLC	Colonia	
COLD	Coldfoot	
COLF	Collangettes	
COLI	Coloredo	
COLK	Krashen	
COLL	Andarivi	
COLM	Colima	
COLN	Colon	
COLO	COLO	
COLR	Columbus	
COLS	Colinas	
COLT	Colton High School	
COLW	Colter Canyon	
COM	Comitan	
COM2	Comitan 2	
COMA	Comala	
COMHN	El Horno	
COMI	Craters of Moon	
COMIL	Quito-Colegio Militar	
COMMX	Bataquez, COM	
COMT	Copper Creek	
COMU	Canakkale	
CON	Concepcion	
CON01	Conthey, Agroscope, VS	
CONA	Conrad Observatory	
CONC	Concepcion	
COND	Playa Hermosa, COND	
CONDC	Vda. Josepe, COND	
CONE	Cono NE Rev Volc	
CONN	Concepcion	
CONS	Constitucion	
CONV	Coconuco	
CONY	Cobleskill	
COO	Cooney Tunnel	
COOC	Compton	
COOL	Coolgardie	
COOLG	Coolgardie	
COP	Copenhagen	
COPA	Copaceanca	
COPE	Corleto Perticara	
COPM	Copeton	
COPN	Copaltepe	
COPR	Covasna	
COQ	Corona Quarry	
COQB	Coquitlam Dam	
COR	Corvallis	
COR01	UHE Corumb	
COR1	Corinaldo	
COR2	Caldas Novas	
CORC	Orchilla, El Hierro	
CORF	Corte	
CORG	Organya	
CORI	Orista	
CORI1	Corrigin	
CORI2	Corrigin	
CORK	Cork	
CORL	Corleone	
CORM	Corum	
CORN	Cornellia Hill	
CORNA	Casa Canada	
CORO	Coronation Park	
CORON	Coronado	
CORR	San Possidonio	
CORRE	Terra Adelie	
CORS	CORSSA, Aigion	
CORT	El Cortezo, Los Santos	
CORX	Isla Coronado	
CORZ	Corozal	
COS	Cosiguina	
CO-SD	Colome	
COSE	Cotopaxi - Sureste	
COSF	Comisariato del Ejercito Sur - Quito	
COSM	Mount Oso	
COSP	Cold Spring	
COSR	Cosmesti PH	
COT	Chocolate Mountains	
COTA	Cotacachi	
COTE	Lago Cote	
COTN	Columbia	
COTR	Cottonwood	
COUR	Fili	
COV	Colchester	
COV1	Cotopaxi Volc	
COVE	Coope Vega, San Carlos, Alajuela	
COVM	Coyoacan	
COVR	Voineasa-Covasna	
COVZ	Chateau Observatory	
COW	Cow Castle Creek	
COWI	Conover	
COWN	Contwyoto Lake 2	
COWO	College of Wooster	
COXM	Coxim-MS Brazil	
COY	Coyote Mountain	
COYC	Coyhaique	
COYCI	COY	
COYO	Coyolito	
COZ	Cozia	
CP-	Campo	CP-CL
CP01	Capitignano Campo Calcio	
CP02	Capitignano, via della Repubblica	
CP04	Capitignano, Mopolino alta	
CP05	Capitignano, via di Sopra	
CP06	Capitignano, Paterno campo sportivo	
CP07	Capitignano Paganica asilo nido	
CP2	Crater Peak Two	
CPA	Chapri	
CPACO	Pacot, Port-au-Prince, Ouest	
CPAL	Palau Saverdera	
CPAM	Crater Peak Alternate	
CPAN	Cartago Paso Ancho	
CPAS1	Pasto	
CPAS2	Pasto	
CPB	Codrington	
CPBX	Cerro Prieto	
CPC	Cherry Point	
CPCA	Capracotta	
CPCH	Copiapo	
CP-CL	Campo	
CPCO	Central Pumice Cone, Newberry	
CPCT	Cooper Cave	
CPD	Cerro la Pandura	
CPDB	Cerro Pandura	
CPE	Camp Elliot	
CPE1	Sorrento Valley	
CPE2	Ejido Nueno Leon	
CPFS	Castlepoint Fire Station	
CPGN	Carpegna, Italy	
CPH	Captain Cook	
CPI	Crown Point	
CPI2	Carpinone	
CPIM	Pinole Ridge	
CPIN	PIN	
CPIR3	Boqueroncito, PIR3	
CPIS	Campi Flegrei Pisciarelli Agnano(NA) Italy	
CPK	Cone Peak	
CPKM	Crater Peak Rim	
CPL	Chaplin	
CPLB	Carmanah Point Lighthouse	
CPLM	Palomares Road	
CPM	Copper Mountain	
CPMI	Catarata Coopelesca	
CPMM	Point Molate	
CPMP	Pompei	
CPMW	Chitipa	
CPN	CP-17	
CPN1	Cerro Paranal	
CPNM	Pleasanton	
CPNMX	Hidalgo, CPN	
CPNY	Central Park	
CPO	Cumberland Plateau	
CPO5	Cumberland Plat.	CPOT
CPOH	Chaparral Prairie Nature Preserve	
CPOMX	La Puerta, CPO	
CPOP	Guacas, POP	
CPOP2	Popayan, Invias	
CPOP3	Popayan, Sena	
CPOP5	Popayan, Gabriela Mistral	
CPOT	Cumberland Plateau	
CPOT2	Potrerillos Abajo, POT2	
CPOZ	Campi Flegrei, Pozzuoli harbour, (NA) Italy	
CPP	Copiapo	
CPPC	Cal Poly Pomona	
CPR	Cape Romanzof	
CPRO	PRO	
CPRS	Casa Presidencial	
CPRS1	PRS1	
CPRT	Copper Ridge	
CPRX	Cap Rock	
CPS	Cap Spartel	
CPSB	Cacapava Do Sul	
CPSMX	Ejido Zacamoto, CPS	
CP-SO	Cumberland Plateau Observatory	
CPT	Camp Pendleton	
CPTB	Punta Banda, PTB	
CPTM	Cactus Peak West	
CPTP	Pietraperzia	
CPU	Coon Peak	
CPUN	Puntallana, La Palma	
CPUP	Villa Florida	
CPV	Cappella Vecchia, Vesuvio (NA), Italy	
CPVI	La Orotava (Tenerife)	
CPW	Capitol Peak	
CPWZ	Castlepoint	
CPX	CP-1	
CPXM	Mount Cotopaxi	
CPY	CP-1	
CPZ	Penzance	
CQ-NV	Caliente	
CQUE	Campi Flegrei Quarto-Est, Napoli (NA)	
CR-	Crete	CR-NB
CR1	Chicoasen 1	
CR12B	CR12B	
CR139	OBS 139	
CR140	OBS 140	
CR141	OBS 141	
CR14S	OBS 14S	
CR15	OBS 15	
CR16	OBS 16	
CR18	OBS 18	
CR193	OBS 193	
CR194	OBS 194	
CR195	OBS 195	
CR196	OBS 196	
CR198	OBS 198	
CR199	OBS 199	
CR19S	OBS 19S	
CR2	Chicoasen 2	
CR20	OBS 20	
CR200	OBS 200	
CR202	OBS 202	
CR203	OBS 203	
CR204	OBS 204	
CR205	OBS 205	
CR207	OBS 207	
CR208	OBS 208	
CR209	OBS 209	
CR21	OBS 21	
CR210	OBS 210	
CR211	OBS 211	
CR212	OBS 212	
CR2G	Gallina	
CR2NB	Crete	
CR3	Chicoasen 3	
CR301	OBS 301	
CR302	OBS 302	
CR303	OBS 303	
CR304	OBS 304	
CR306	OBS 306	
CR308	OBS 308	
CR310	OBS 310	
CR311	OBS 311	
CR312	OBS 312	
CR313	OBS 313	
CR314	OBS 314	
CR315	OBS 315	
CR317	OBS 317	
CR318	OBS 318	
CR319	OBS 319	
CR320	OBS 320	
CR321	OBS 321	
CR322	OBS 322	
CR323	OBS 323	
CR38	OBS 38	
CR39	OBS 39	
CR4	Chicoasen 4	
CR40	OBS 40	
CR41	OBS 41	
CR42	OBS 42	
CR5	Chicoasen 5	
CR6	Chicoasen 6	
CR7	Chicoasen 7	
CRA	Chernovtsy	
CRAC	Craco	
CRAG	Craig	
CRAI	Chiangrai	
CRAIL	Swartwater, Limpopo	
CRAJ	Montana Rajada	
CRAM	San Ramon	
CRAN	Arlington	
CRAR	CRAIOVA	
CRAS	Crastes	
CRAW1	Crawley 1	
CRAW2	Crawley2	
CRB	Chernovtsy (B)	
CRBI	Circular Butte	
CRBR	Caransebes	
CRC	Castle Rock	
CRCA	Reggio Calabria	
CRCH	Chaqaral	
CRCV	Corcovado	
CRD	Cavedale Road	
CRDM	Cardoso	
CRE	Caprese Michel	
CRE1	Moni Agarathou, Crete, Greece	
CRE2	Moni Epanosifi, Crete, Greece	
CRE3	Garipa, Crete, Greece	
CRE4	Nipiditos, Crete, Greece	
CREA	Los Realejos, Tenerife	
CREF	Crivoux	
CRES	Cresnjevec Ostr	
CRF	Corfu	
CRG	Carmichael	
CRGC	Crocker Grade	
CRH	Carson Hill	
CRHA	Rehia	
CRHG	Carthage	
CRHM	Round Hill Res.	
CRI	Mount Carmel	
CRI1	Crixs, GO	
CRIB	Cristalandia	
CRID	Crittenden County--Downhole	
CRIG	Cruz Grande	
CRIN	San Cristobal	
CRIS	Crittenden County--Surface	
CRIS3	El Cristo, Cocle	
CRISS	CRISS	
CRJA	Costa Raja	
CRJC	Cerrejon, Guajira, Colombia	
CRL	Carloforte	
CRLN	Carolina, Mapumalanga, South Africa	
CRLO	Chalk River	
CRLP	Rancho las Palomas, RLP	
CRLT	Corlu	
CRLU	Corlu-Tekirdag	
CRLZ	Canterbury Laser	
CRM	Caravelle	
CRM1	Catelraimondo	
CRMI	Carmignano	
CRMT	Chrome Mountain	
CRN	Corinaldo	
CR-NB	Crete	
CRNC	Corona	
CRND	Cornuda	
CRNF	Coron - 49109 - Maine-et-Loire - France	
CRNM	Carthage	
CRNS	Crni Vrh	
CRNY	Cross River	
CRO	Carnasaw Mountain Lookout Tower	
CROCE	Santa Croce Camerino	
CROG	Croghan	
CROK	Carrier	
CROM	Garafia, La Palma	
CRON	Casa Elias Gonzalez en Calderon	
CROR	Criterion Ridge	
CROSA	EL ROSAL, CUNDINAMARCA	
CRP	Crater Peak	
CRPB	Russellman Park	
CRPC	Caltech Rob'n Pit	
CRPG	Carapungo - Pichincha	
CRPM	Russellman Park	
CRPO	Crater poas	
CRPR	Cabo Rojo, PR	
CRQ	Rosemanowes	
CRQ2	Rosemanowes 2	
CRQB	Carquinez Bridge	
CRQE	Cirque	
CRQM	Cirque	
CRR	Carrizo Plain	
CRRA	Carrara	
CRRB	Carira, Sergipe, Brazil	
CRS	Chara	
CRSE	RSE	
CRSM	Crissiumal (Brazil)	
CRSP	Cerreto di Spoleto	
CRST	La Restinga, El Hierro	
CRT	Cartuja	
CRTC	Cartoceto	
CRTN	Comb Ridge	
CRTO	Cratere Ovest, Vesuvio (NA), Italy	
CRTR	Masoko	
CRU	Crutchfield	
CRUC	La Cruz	
CRUN	El Crucero	
CRUP	Sandillal	
CRUV	Carupano	
CRUX	Bergwerk Schwarze Crux	
CRUZ	CRUZ	
CRV	Caraveli	
CRVI	Carovilli	
CRVN	Carnarvon,Northern Cape	
CRVS	Cervenica-Dubnik	
CRW	Hotel Crowe Plaza	
CRWM	Crown Mines	
CRX	Cerrillo	
CRY	Cary Ranch	
CRZ	Cape Reinga	
CRZ1	La Cruz	
CRZC	La Cruz	
CRZF	Crozet Islands	
CS-	Crossville	CS-TN
CS01	CS01	
CS02	CS02	
CS03	CS03	
CS04	CS04	
CS05	CS05	
CS06	CS06	
CS07	CS07	
CS08	CS08	
CS2FF	Cosenza - Borehole near the Alaric Bridge	
CS2FS	Cosenza - On the ground surface near the Alaric Bridge	
CS6B	Jaguaretama	
CSA	Cape Sarichef	
CSA1	St Austell	
CSA7	CASTELSARACENO	

Code	Station Name	Other
CSAM	Sandia	
CSAN		
CSARO	SARO	
CSAV	SAV	
CSB	Colonia Sabana	
CSBL	SBL	
CSC	Columbia	SVC
CSC2	Cosenza castello	
CSCAL	CAL	
CSCF	Crouy-sur-Cosson - 41071 - Loir-et-Cher - Centre-Val de Loire - France	
CSCL	Casacalenda	
CSCM	Silver Creek	SVC
CSCO	Clark State Community College	
CSCY	SCY	
CSD	Chor-Sady	
CSDB	Cheongsando	
CSDOM	Dominical, DOM	
CSE	Childress 5	
CSEK	Colegio internacional SEK los valles, Yaniza Rapata, Cumbaya, Quito, Ecuador	
CSEN	Crystal Springs Elementary School	
CSF	Scaffel	
CSFT	Campi Flegrei Solfatara Pozzuoli (NA) Italy	
CSG	Childs Glacier	
CSG3	Toppo Di Castelgrande (Osservatorio Astronomico)	
CSGA	SGA	
CSGE1	Gerace - Le Bombarde	
CSGN	Cosiguina Volcano	
CSGS	Sigus	
CSH	California State, Hayward	
CSHM	Cal. St., Hayward	CSH
CSHS	Castle Hill	
CSI	Cassano Ionio	
CSIG	Choix	
CSIL	Creal Springs	
CSJ	Cape San Juan	
CSJI	Ciracap, Jawa Barat	
CSJM	Congeang, Jawa Barat	
CSKK	Cskako	
CSL	Crestline	
CSLB	Castelbuono	
CSLM	San Leandro Hills	
CSLP	San Luis Potosi, SLP	
CSM	Casamicciola	
CSMBE	Cosenza - Museo Brettii ed Enotri	
CSMI	Casera Mimoias	
CSN	Chicoasen	
CSN1	Caspian	
CSNA	Conrad Observatory	
CSNI	SNI	
CSNT	Castellina Chianti	
CSO	Casso	
CSO1	Carsoli	
CSOB	Campi Flegrei Solfatara Bordo Est (NA) Italy	
CSOL	CASCOL	
CSOMX	Hidalgo, CSO	
CSON	Sonora, SON	
CSOR	Sort	
CSP	Cedar Springs	
CSP1	Cessapalombo	
CSPC	Cosenza Protezione Civile Regionale	
CSPM	San Pablo Ridge	
CSPT	Cold Springs	
CSR	Chase Ranch	
CSRY	Cold Spring River	
CSS	Mathiatis	
CSS01	OBS SS01	
CSS02	OBS SS02	
CSS03	OBS SS03	
CSS10	OBS SS10	
CSS12	OBS SS12	
CSS14	OBS SS14	
CSS15	OBS SS15	
CSS16	OBS SS16	
CSS17	OBS SS17	
CSS18	OBS SS18	
CSS20	OBS SS20	
CSS21	OBS SS21	
CSSE	Cosenza Scuola Elementare Plastina Pizzuti	
CSSM	Coso Springs South	
CSSN	Cassano Irpino	
CST	Castrovirreyna	
CST1	Stithians	
CSTBL	De las Acacias, David	
CSTC	Cust School	
CSTH	Campi Flegrei Tennis Hotel, Pozzuoli (NA), Italy	
CSTJ	Casr Tuba	
CSTL	Corral Hollow	
CS-TN	Crossville	
CSTR	Hydro, Custer County	
CSU	Charleston Southern University	
CSU1	Sunol Dilatometer	
CSV	Casigua	
CSVA	Savegre Abajo, SVA	
CSVM	Stone Valley	
CSVS	Castel Viscardo	
CSW	Childress 6	
CSY	Casey Station	
CSZ	Casera Razzo	
CT-	Clayton	CT-OK
CTA	Charters Towers	
CTAB	Cerro Tablazo, Cundinamarca	
CTAC	Tacoron (Frontera - El Hierro)	
CTAD	Las Tabladas, Isla de El Hierro	
CTAK	Corum_Osmancik	
CTAM	Taylor	
CTAN	El Hierro	
CTAO	Charters Towers	CTA
CTAS	Cauta	
CTAU	Tausa, Cundinamarca	
CTAV	Tavertet	
CTB	Cotabato	
CTBH	Cotabato--PC Hill	
CTBM	Cataract Bedrock	
CTBN	Caleta Bueno	
CTC	Chetwynd	
CTCC	Cactus City	
CTCH	Constitucion	
CTCHA	Tamokra	
CTCR	Cotoan	
CTCT	Mason Hall	
CTD	Catalina Dam	
CTDM	Cataract Dam	
CTEI	Djebel Teioualt	
CTEN	Fuencaliente, La Palma	
CTFE	Tenerife	
CTFL	Taylor Farm	
CTFS	San Miguel de Abona, Tenerife	
CTG	Chitna Glacier	
CTGD	Timgad	
CTGM	Chitina Glacier	
CTHA	Thorn Acres	
CTHM	Terry Harris R'ch	
CTI	Castel Tesino	
CTIG	El Hierro	
CTIK	Konya-Celtik	
CTIM	Tinajo, Isla de Lanzarote	
CTISU	Constanta	
CTJI	Waduk Cacaban	
CTK	Catak	
CTKS	Kestanelik-atalca	
CTKT	Corum	
CTL	CATTOLICA	
CTL8	Castelleone	
CTLM	Tesla Road	
CTLN	Castor Lake	
CTLX	Tlaxcala, TLX	
CTM	Castle Mountain	
CTN	Crete	
CTND	Kirwee	
CTNS	Casa Tonetto Surface	
CTNY	Carthage	
CTO	Cape Town	
CT-OK	Clayton	
CTOM	Thompson	
CTON	Carlton	
CTP	Catapilco	
CTR	Castle Rock	
CTRE	Tremp	
CTRL	CITTAREALE	
CTRM	Tremp	
CTRO	CASTRO	
CTS	Cactus Peak	
CTT	Catalca	
CTTX	Catalca	
CTU	Camp Tracy	
CTUM2	Tumaco	
CTUMA	Tumaco, Batallon	
CTUR	TUR	
CTUV	Llano Grande	
CTV	Charlottesville	
CTVM	Cuauhtemoc	
CTVN	Chua Tram	
CTW	Cottonwood Mountains	
CTYL	Yalikoy Yolu	
CTZ	Chatham Island	
CU-	Currant	CU-NV
CUALT	Altinyayla-SIVAS	
CUAYA	Sivas-Altinyayla-Merkez	
CUB	Curvelandia - Mato Grosso, Brazil	
CUBY	Cutbertbay	
CUC	Castrocucco	
CUD	Cuddapah	
CUET	Cent US Eq Cons	
CUEV	Cuervo	
CUG	Cuglieri	
CUGUR	Gurin_SVAS	
CUI	Cuipilapa	
CUIC	Cuicocha-Domo	
CUIG	Ciudad Universitaria	
CUKAN	kangal_SIVAS	
CUKT	Cukurca	
CUL	Culiacan	
CULB	Culebra	
CULC	Culverden Airlie Farm	
CULRB	Culiacan, Sinaloa	
CUM	Cumana	
CUM07	CUSANO MUTRI	
CUMB	Cumbre	
CUMC	Nevado Cumbal	
CUMV	Cumana_UDO	
CUMY	Casa Hugo Yepes - Cumbaya	
CUN	Columbus	
CUNA	Curaglia	
CUND	Cunda Adasi-Balikesir	
CU-NV	Currant	
CUNY	Queens College	
CUP	Culebra	
CUP2	Cupone	
CUP5	Mexico City	
CUPA	Cupa	
CUPL	Choutuppal	
CUPM	Cuyoaco	
CUPR	Culebra, Puerto Rico	
CUPV	Cpira	
CUR	Chagan-Uzun	
CUR1	UHE Curu¡ Una - Santarm - PA	
CURA	Stauanlage Cunera	
CURI	Cinco Dias	
CURIE	Paris	
CURV	Curarigua	
CURVC	Coconuco, CURV	
CUS	Cuzco	
CUS1	Cusmapa	
CUSAR	Sarkisla-SIVAS	
CUSC	Alcaldia de Cuscatancingo	
CUSE	Cuicocha Este	
CUSI	Cussignacco Udine	
CUSS	Cusmapa	
CUSU	Cusua	
CUSW	Cuicocha Oeste	
CUT	Chulitna	
CUTR	Cutro	
CUV	La Culata	
CUYO	Cuyo Island	
CUZAR	Zara_SIVAS	
CV-	Centerville	CV-TN
CV01	Civitella del Tronto, Fortezza	
CV02	Civitella del Tronto, Torrione Porta Napoli	
CV03	Civitella del Tronto, via Salinello	
CV04	Civitella del Tronto, via Roma	
CV05	Civitella del Tronto, via Parnaso	
CV6*	Capo Vaticano	
CVA	Cordova	
CVAL	Veterans Administration Hospital	
CVALL	Valledupar, Cesar	
CVBR1	Brava, Lem	
CVBR2	Brava, Campo Baixo	
CVBV1	Boa Vista, Sal Rei	
CVBV2	Boa Vista, Rabil	
CVBV4	Boa Vista, Sao Jorge	
CVBV5	Boa Vista, Curral Velho	
CVBV6	Boa Vista, Fundo de Figueiras	
CVC	Cholame Valley	
CVD	Cernavoda	
CVD1	Cernavoda-Power Plant	
CVD4	Cernavoda	
CVDA	Cernavoda	
CVE	Cedar Cove	
CVEJO	Cerro Viej	
CVER	Cruz Verde, Cundinamarca	
CVF	Calvi	
CVFG1	Fogo, Sao Filipe	
CVFG2	Fogo, Galinheiro	
CVFG3	Fogo, Fajazinha	
CVFG4	Fogo, Cova Figueira	
CVFG5	Fogo, Monte Grande	
CVH	Cedar City	
CVI	Capo Vaticano	
CVIE	Villa de Mazo, La Palma	
CVIL	Vilaflor	
CVIMO	Finca Echandi	
CVIN	VIN	
CVJ	Coleyville	
CVL	Charlottesville	
CVLM	Vallecito	
CVLQ	Collinsville	
CVM	Colonia del Valle	
CVMA	VMA	
CVMA1	Malo, Calheta	
CVMA2	Malo, Barreiro	
CVMA3	Malo Ribeira D. Joao	
CVMA4	Malo, Cascabulho	
CVN	Calvinia	
CVNA	Calvinia	
CVO	Covasna	
CVP	Callao Caves	
CVPM	Vollmer Peak	
CVPR	CROEV Villalba PR	
CVQOZ	Cooralya Station, Carnarvon	
CVR	Calaveras Reservoir	
CVRD	Centerville Road, Mineral	
CVRN	Caverna	
CVS	Carmenet Vineyards, Sonoma	
CVSA1	Santo Antao, Paul	
CVSA2	Santo Antao, Ponta do Sol	
CVSA3	Santo Antao, Boca de Curral	
CVSA4	Santo Antao, Ribeira da Cruz	
CVSA5	Santo Antao, Leiro	
CVSA6	Santo Antao, Tarrafal de Monte Trigo	
CVSL1	Sal, Santa Maria	
CVSL2	Sal, Murdeira	
CVSL3	Sal, Pedra Lume	
CVSL4	Sal, Palmeira	
CVSN1	Sao Nicolau, Faja de Baixo	
CVSN2	Sao Nicolau, Palhal	
CVSN3	Sao Nicolau, Ribeira Brava	
CVSN4	Sao Nicolau, Juncalinho	
CVSR	Covasna_Papauti	
CVST1	Santiago, Ribeirao Chiqueiro	
CVST2	Santiago, Sao Jorge dos Orgaos	
CVST3	Santiago, Assomada	
CVST4	Santiago, Ribeira da Prata	
CVST5	Santiago, Achada Fazenda	
CVSV1	Sao Vicente, Baia das Gatas	
CVSV2	Sao Vicente, Lazareto	
CVSV3	Sao Vicente, Sao Pedro	
CVSV4	Sao Vicente, Calhau	
CVT	Castelvetrano	
CVTG	V. Turrialba, Gupiles	
CVTN	Covington	
CV-TN	Centerville	
CVTQ	Turrialba Volcano Quemados	
CVTR	Volcan Turrialba, Cartago	
CVTV	Tajo	
CVV	Charlottesville	CVL
CVVA	Charlottesville	
CVVD	Valverde	
CVYN	Cohav Hayarden	
CW-	Conway	CW-AR
CW-AR	Conway	
CWB	Cumshewa	
CWC	Cottonwood Creek, Lone Pine	
CWCR	Coldwater Canyon	
CWF	Charnwood Forest	
CWJM	Cikalong Wetan, Jawa Barat	
CWPT	Cottonwood Point	
CWS1	infrastation_cheorwon	
CWT	Childress 7	
CWU	Camp Williams	
CWZ	Cowlitz River	
CX-	Craigsville	CX-WV
CXM	Morne La Croix	
CXP	Puebla	
CXUV	Coxquihui	
CX-WV	Craigsville	
CY-	Cheyenne	CY-WY
CY101	RAF Akrotiri, Cyprus, Site CY101	
CY201	RAF Akrotiri, Cyprus, Site CY201	
CY301	RAF Akrotiri, Cyprus, Site CY301	
CY302	RAF Akrotiri, Cyprus, Site CY302	
CY303	RAF Akrotiri, Cyprus, Site CY303	
CY304	RAF Akrotiri, Cyprus, Site CY304	
CY305	RAF Akrotiri, Cyprus, Site CY305	
CY306	RAF Akrotiri, Cyprus, Site CY306	
CY401	RAF Akrotiri, Cyprus, Site CY401	
CY501	RAF Akrotiri, Cyprus, Site CY501	
CY601	RAF Akrotiri, Cyprus, Site CY601	
CY602	RAF Akrotiri, Cyprus, Site CY602	
CY603	RAF Akrotiri, Cyprus, Site CY603	
CY604	RAF Akrotiri, Cyprus, Site CY604	
CY605	RAF Akrotiri, Cyprus, Site CY605	
CY606	RAF Akrotiri, Cyprus, Site CY606	
CYA	Choya	
CYBM	Yerba Buena Island	
CYC	Crow Canyon Road	
CYD1	Coyote D'meter	
CYEH	Changyeh	
CYH	Coyote Hills	
CYK	Cape Yakataga	
CYN	Coyotepe	
CYP	Chylin	
CYQE	Coyhaique	
CYT	Cape Yakataga	
CY-WY	Cheyenne	
CYZ	Clyde	
CZ-	Cody	CZ-NB
CZ01	CZ01	
CZ03	CZ03	
CZ04	CZ04	
CZ05	CZ05	
CZ06	CZ06	
CZ07	CZ07	
CZ08	CZ08	
CZ10	CZ10	
CZA	CZA	
CZAR	ZAR	
CZC	Chiapa de Corzo	
CZD	Col de Zad	
CZI	Monte Cocuzzo	
CZL	Cerro Azul	
CZM	Crazy Man Mountain	
CZ-NB	Cody	
CZSB	Cruzeiro do Sul	
CZT	Chizu	
D002	Pieve de Saddi	
D01	D01	
D03A	Wishkah Elem. School, Wishkah	
D03D	Eldon	
D045	Schloss Rechtenthal, Tramin	
D04A	Dobbs Creek Ranch, Lacey	
D04D	Lakebay	
D04E	Lakebay	
D05A	Enumclaw	
D06A	Cle Elum	
D07A	Quincy	
D08A	Wollman Farm, Schrag	
D09	Ejido Nuevo Leon	
D093	Schlaiten	
D09A	Jones Farm, Ritzville	
D104	Schloss Goldrain, Latsch	
D109	Terento	
D10A	Wagner Farm, Oakesdale	
D11A	Klaveano Farm, Fernwood	
D12	Saltilio Ejido	
D12A	Red Ives Forest Station, Avery	
D135	Seidlwinkl	
D13A	Huson	
D14A	Greenough	
D155	Oppenburg	
D156	Schoederberg	
D159	Metnitz	
D15A	Lincoln	
D161	St. Johann am Tauern	
D163	Oberwoelz	
D16A	Dana Ranch, Cascade	
D17A	Six Diamond Ranch, Ranyesford	
D17K	Noatak River	
D18A	Linhart Farms, Moccasin	
D19A	Cripps Ranch, Grass Range	
D19K	Kuna River	
D1A	Dickey	
D20A	Manuel Ranch, Winnett	
D20K	Etivluk River	
D21A	La Casta Ranch, Jordon	
D22A	Cohagen	
D22K	Ayikyak River	
D23A	Lindsay	
D23K	Nanushuk River	
D24A	Glendive	
D24K	Happy Valley	
D25A	Fairfield	
D25K	Kavik River	
D26A	Manning	
D27A	Center	
D27M	Malcolm River	
D28A	Regan	
D28M	Stokes Point	

Code	*Station Name*	*Other*
D29A	Pettibone, Tappen	
D2A	Dickey	
D30A	Buchanan	
D31A	Mcclaflin, Tower City	
D32A	Dogwood Acres, Gardner	
D32B	Dogwood Acres, Gardner	
D33A	AnnSam, Waubun	
D34A	Park Rapids	
D35A	Remer	
D36A	Goodland	
D37A	Cotton	
D3A	Dickey	
D41A	Chassel	
D46A	Sault St. Marie	
D47A	Chapleau	
D48A	Paudash Township	
D49A	Beulah Township	
D4A	Dickey	
D50	D50	
D50A	G1974 Best Township, ON	
D51	D51	
D51A	Lot 18 Range III Mazenod Township	
D52A	ZEK Kipawa Senerzegues Township	
D53	D53	
D53A	Lac Vacive, Pontiac, Mrc	
D54A	Lac Fusel, La Vallee-de-La-Gatineau	
D55A	Sainte-Anne-du-Lac	
D56A	ZEC Mazanza, Mont-Saint-Michel	
D57A	Chemin Vers le Barrage, Saint-Michel-Des-Saints	
D58A	Chemin du LacGrosbois, Trois-Rives	
D59A	Saint-Raymond	
D5A	Dickey	
D60A	Saint Jean D'Orleans	
D61A	St Aubert, Comte d'Islet	
D62A	Allapoint, Allagash	
D63A	Stockholm	
D6A	Dickey	
DABA	Dabaa	
DABAA	Dabaa2	
DABV	Dabajuro	
DAC	Darwin (Calif)	
DACB	Daecheong-do Republic of korea	
DACP	Dalaguete, Cebu	
DAD	Ankara	
DAF	Dafare	
DAG	Danmarks Havn	
DAGA	daegu	
DAGE	izmir	
DAGI	Agillar	
DAGMA	Lutertal, Dagmarsellen	
DAH	Dandelion	
DAHO	DHOFAR2 - YR	
DAI	Luda	
DAIG	Los Arroyos	
DAIL	Da Vinci Academy	
DAK	Dakar	
DAKH	Dake	
DAL	Dallas	
DALG	Dalton	
DALI	Dali	
DALK	Dalny	
DALR	Dalma,Buzau	
DALS	Dallington	
DALT	Dalyan (Mudla)	
DALY	Dalyan (Mula)	
DAM	Dampier	
DAM1	Diamer-Basha	
DAME	Tendaho Dam	
DAMI1	DAM1	
DAMI2	DAM2	
DAMI3	Safi, DAM3	
DAMV	Damavand	
DAMY	Dhamar	
DAN	Dane	
DANC	Danby, Needles	
DANN	Dangsing	
DANT	Danta di Cadore ARPAV	
DANY	Dannemora	
DAP	Davao	
DAP26	falda E V. Baru	
DAQ	Lac Daran	
DAQU	High School, Debark	
DAR	Darwin	
DAR1	Darband	
DARB		
DARE	Darende-Malatya	
DARN	Darouneh	
DARN1	Methven, DAR1	
DARN2	Eyewell Forest, DAR2	
DARN3	Rolleston	
DARN4	Hororata, DAR4	
DARN5	Prebbleton, DAR5	
DARN6	Burnham, DAR6	
DARN7	Charing Cross, DAR7	
DARN8	Greendale, DAR8	
DARS	Darpas	
DARVA	Darvaspuszta	
DAT	Datca	
DATC	Datca-Mugla	
DAU	Daniels Canyon	
DAUF	Daumeray - 49119 - Maine-et-Loire - France	
DAV	Davao City (W)	
DAVA	Damuels	
DAVON	Davos	
DAVOS	Davos	
DAVOX	Davos/Dischmatal	
DAVS	Collett Street	
DAW	Hoskins	
DAWS	Dawson Inlet	
DAWY	Dawson	
DAY	Day	
DB2	Double Butte	
DB3	El Dabaa	
DBAD	Bademkaya	
DBAS	Duba	
DBBC	Dabeiba	
DBC	Dubki	
DBCC	Dabeiba, Colombia	
DBCT	Belle View Chopil	
DBD	Des Bee Dove	
DBF	Dibba-Fujairah	
DBG	Daneborg	
DBI	Debin	
DBIC	Dimbokro	
DBIS	Malga Bissina	
DBJI	Dramaga	
DBKI	Dusun Selatan, Kalimantan Tengah	
DBM	Double Mountain	
DBMY	Dunderburg Mountain	
DBN	De Bilt	
DBND	Deoband	
DBNFM	Donggo	
DBNI	Kabupaten Dompu	
DBO	Dodson Butte	
DBOA	Malga Boazzo	
DBOC	Borcka	
DBOG	Casa Diablo	
DBP	Darband	
DBQ	Dubuque	
DBR	Dubrovnik	
DBRK	Dubrovnik	
DBRR	Dobrita	
DBUS	Busa	
DBV	Dienbien	
DBY	Dobrovo	
DBYG	Dumbleyung	
DCA1	Bonanza	
DCA2	Baytree	
DCA3	Cotillion Park	
DCC	Delcommune	
DCD	Diablo Creek	
DCDS	Dunedin Civil Defence	
DCI	Dry Creek	
DCID1	Drake Creek	
DCM	Dugout Coal Mine	
DCMP	DeCamp, California	
DCN	Croghan	
DCO	Combe Farm	
DCOS	Costabrunella	
DCP	Dickinson College	
DCPH	Dipolog City	
DCT	Ducktown	
DCU	Deer Creek Reservoir	
DCZ	Deep Cove	
DDBM	Dartmouth Bedrock	
DDCM	Dartmouth Crest	
DDEM	Demirkent	
DDFL	Dedoflistskaro	
DDI	Dehra Dun	
DDIM	Aydin, Didim	
DDJ	Jaglot	
DDK	Dunsink Observatory	
DDM	Donnelly Dome	
DDMP	Don Marcelino, Davao Occidental, Philippines	
DDN	Dodoni	
DDOJ	Jimmit	
DDR	Dodaira	
DDS	Dosso del Sommo	
DDSI	Dumai Timur, Riau	
DEB	Debrecen	
DEBR	School, Debre Zeif	
DEC	Deception Island	
DECC	Green Verdugo Microwave Site, Sunland	
DECN	Sinapred Managua	
DED	Mersin	
DEEL	Gasfeld	
DEG	La Desirade	
DEGG	Deggingen-Nordalb	
DEGN	Deogaon,Odisha	
DEI	Dent	
DEIG	Demacu	
DEK	Dekalb	
DEL	Delary	
DEL1	Delary	
DELA	Administracion zonal de la Delicia, San Jose Condado, Ponceano, Quito, Ecuador	
DELE	Ethiopian Broadband Seismic Experiment	
DELF	Filadelfia	
DELI	KIRIKKALE	
DELM	Columbus	
DELO	Deloro Mine	
DELX	Delta	
DEMA	Delaware Emergency Management Agency	
DEMI	Demirci	
DEMR	Demre-Antalya	
DEN	Denver	
DENJ	Denville	
DENM	Cayce	
DENT	Denizli	
DEOK	Depew	
DEPR	Deputatskiy	
DER	Derby	
DERBY	DERBY	
DERS	Dereboslan, Eskıpazar, Karabk	
DERT	Derbent	
DES	Desert	
DESA	DESA	
DESE	Dese	
DESF	Desfina	
DESFA	Desfina	
DESMX	Alvarez, DES	
DEV	Deva	
DEV1	Deva	
DEVC	Devers	
DEVR	Zonguldak/Devrek-Atalar	
DEYA	Deyax Mournies Chania	
DF02	SWIR Dragon Fly vent, OBS02	
DF03	SWIR Dragon Fly vent, OBS03	
DF04	SWIR Dragon Fly vent, OBS04	
DF05	SWIR Dragon Fly vent, OBS05	
DF06	SWIR Dragon Fly vent, OBS06	
DF07	SWIR Dragon Fly vent, OBS07	
DF08	SWIR Dragon Fly vent, OBS08	
DF09	SWIR Dragon Fly vent, OBS09	
DF10	SWIR Dragon Fly vent, OBS10	
DF13	SWIR Dragon Fly vent, OBS13	
DF14	SWIR Dragon Fly vent, OBS14	
DF15	SWIR Dragon Fly vent, OBS15	
DF16	SWIR Dragon Fly vent, OBS16	
DF17	SWIR Dragon Fly vent, OBS17	
DF20	SWIR Dragon Fly vent, OBS20	
DF21	SWIR Dragon Fly vent, OBS21	
DF22	SWIR Dragon Fly vent, OBS22	
DF23	SWIR Dragon Fly vent, OBS23	
DFBT	Forest Bistro	
DFBU	Forte Buso	
DFE	Dawson Falls	
DFHS	Darfield	
DFR	Drift River	
DFRA	Djebel Bou Affroun	
DGAR	Diego Garcia	
DGB	zmir	
DGBT	Grand Bay	
DGC	Durango	
DGHA	Donghyang	
DGI	Dorgali Grotta	
DGIU	Malga Giumela	
DGLA	Dongro	
DGMT	Dagmar	
DGN	Dgnorisa	
DGNS	Dunedin GNS	
DGP	Dabrowa Gornicza	
DGPR	DIGLIPUR	
DGR	Domenigoni Valley Reservoir	
DGRG	David-gareji	
DGRM	Ambatolahisoa	
DGS	Degeres	
DGT	Duragan	
DGTI	Dogotuki	
DGZ	Jazzator, Altay Republic, Russia	
DH-	Delhi	DH-NY
DHA	Dutch Harbor	
DHAK	Deception Hills	
DHB	Downhole Baldwin Hills	
DHBB	Dhamar BB	
DHD	Dharwar	
DHDN	Dehradun	
DHH	Diamond Head	
DHIG	Demacu	
DHJN	Dharan Janob	
DHK1	Duhok	
DHL1	Dehloran	
DHLJ	Dahal	
DHLQ	Lac-des-Plages	
DHMR	Dhamar	
DHN	Doyle Hill	
DH-NY	Delhi	
DHO	Dhodishal	
DHOFF	Oeste 158, Volcn	
DHR	Dhahran	
DHRM	DHARAMSHALA	
DHRN	Dharma Camp	
DHS	Desert Hot Springs	
DHSS	Diamond Harbour School	
DHSZ	Broadband at Morne Mazeau - Deshaies, Guadeloupe	
DHTZ	Dongzhaishan	
DHUB	DHUBRI	
DHV	Doan Hung	
DHW	Dyer Hill	
DHW2	Dyer Hill 2	
DHY	Denali Highway	
DI-	Dillon	DI-MA
DI2B	Dawson Inlet	
DI7	Delta	
DIAC	La Diana	
DIAE	Verdin	
DIAM	Diamantina, MG	
DIAZ	Diaz Spring, Modoc National Forest, Brockman, CA USA	
DIB	Dawson Inlet, BC	
DIBR	DIBRUGARH	
DIC		
DICE	Di Chot	
DID	Didima	
DIDI	Didim-Aydin	
DIDY	Didyma	
DIGE	Digdiga	
DIGO	Kars	
DIGR	Digorskoe uzhel'e	
DIKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DIKM	Dikmen	
DIL	Dillon Ranch	
DILA	Dilla	
DILR	Dilar	
DIM	Dimitrovgrad	
DI-MA	Dillon	
DIMI	Dimona	
DIMT	Dimitropoulo, Aigialia, West Greece	
DINX	Tingri, Xizang Zizhiqu	
DION	Dionisos Attiki	
DIP	Dipolog	
DIR	Diamond Ranch	
DIV	Divide	
DIV01	Anzola D'Ossola (ITA)	
DIV02	Colloro (ITA)	
DIV03	Nibbio, Oratorio San Pietro	
DIV04	Bracchio, cimitero	
DIV05	DT-1b hole Ornavasso	
DIV06	Forno	
DIV07	Luzzogno	
DIV08	Seppiana	
DIV09	Castiglione	
DIV10	Loro (ITA)	
DIV11	Druogno Cimitero	
DIV12	Cicogna	
DIV60	Forno-Posthole	
DIVS	Divibare	
DIW	D'Urville Island	
DIX	Grande Dixence	
DIXR	Dixie Hot Springs	
DIY	Diyarbakir	
DIYA	Diyarbakir	
DIYAX	Ethiopian Broadband Seismic Experiment	
DJA	Jakarta	
DJAN	Djangeldy	
DJE	Delta Junction E	
DJES	Djerdap	
DJISU	ISU Dolj	
DJJ	Donna J Jenkins	
DJNS	Zahran al Janub	
DJO	Djoy, Khakassia, Russia	
DJOS	Djoyskaya Sosnovka, Khakassia, Russia	
DJR	Jarkent	
DKD	Dar Kodiat	
DKH	Dar Kharkhour	
DKHS	Tonga Park, Forbury	
DKJ	Deokjeong-ri	
DKL	Dikili	
DKM	Kilmashogue	
DKNM	Devils Kitchen North	
DKNS	Dickens	
DKP	Demirkopru	
DKSA	Duksan	
DL-	Dell Rapids	DL-SD
DL2	Dalian	
DLA	Delaware (Ont)	
DLAC	Del Amo	
DLAR	Dell	
DLB	Dease Lake	
DLBC	Dease Lake	
DLBQ	Dalbeg	
DLC	Deerlick Creek	
DLDT	Laudat, Dominica	
DLE	Lyons Estate	
DLF	Lyons Farm	
DLFA	Delphi	
DLG	Dolgoi Island	
DLH	Dalhousie	
DLI	Dili	
DLIA	DLIA	
DLIK	Deer Lick Knob, Platina, CA USA	
DLL	Dillingham	
DLM	Delamar Mountains	
DLMC	Delmece	
DLMN	Health center, Dolo Mena	
DLMR	Dylym	
DLMT	Dillon	
DLN	Dalton (NSW)	
DLNV	Delianuova	
DLPL	La Plaine	
DLS	Dallas	
DL-SD	Dell Rapids	
DLT	Dalton	
DLV	Lat	
DLVO	Lat	
DLVT	Layou Valley	
DLY	Dezadeash Lake	
DMA	Devil Mountain	
DMB	Deadman Bay	
DMBR	Dumbraveni	
DMCAL	E. de Neily	
DMCB	Castle Bruce	
DMCQ	Dolbeau-Mistassini	
DMCS	Diego Martin Central	
DMD	Domodossola	
DMDM	Guralp CMG5TDE. Diego Martin, Trinidad	
DMI	Des Moines	
DMIS	Diego Martin	
DMK	Demirkoy	
DMLD	Londonberry	
DMLN	Damoulianata-Kefalonia-Greece	
DMMT	Dalton Mountain	
DMN	Daman	
DMNI	Dmanisi	
DMNP	Diego Martin	
DMNS	Dmanisi	
DMOL	Mollaro	
DMOR	Dinsmores, CA USA	
DMP	Diadem	
DMPH	Davao City--Mintal	
DMPK	Deadman Peak	
DMPR	Damasthipur	
DMRK	Ethiopian Broadband Seismic Experiment	
DMS	Dublin Merrion Square	
DMT	Demirtas	
DMTO	DMTO	
DMU	Kingscourt	
DMUB	Kingscourt	
DMUR	Murandin	
DMV	Demmitville	
DMW	Delta Microwave	
DN01	Denisovskaya, Sakha	
DN02	Denisovskaya, Sakha	
DN03	Denisovskaya, Sakha	
DNBA	Danbuk	
DND	Dunedin-Penfold	
DNDOZ	Balladonia	
DNG	Daru	
DNGQ	Doongara	
DNH	Durham (NH)	
DNIZ	Denizli-Tavas-Kızılcablk	
DNM	Dulce	
DNMI	Dinami	
DNN	Dannevirke	
DNOA	Val Noana	
DNP	Denpasar	
DNR	Dunn Ranch,Anza	
DNS	Denniston	
DNSO	Sydney	
DNSP	Diano San Pietro	
DNT	Denton	
DNY	Dersam	
DNZ	Dunedin	
DNZ2	Donuzlav2	
DNZL	Cakiroluk	
DNZT	Dereazı, Tavas, Denizli	
DOB	Doboj	
DOBAM	Dobrich	
DOBD	Dorbid, Yazd	
DOBR	Dobrina	
DOBS	Dobrina	

Code	Station Name	Other
DOC	Dochia	
DOCA	Reserva Natural Don Carmelo	
DOCH	Thimphu	
DOCK	Docker River	
DOCM	Donggala, Sulawesi Tengah	
DOD	Dodoma	
DODA	Doda	
DODM	Dodoma	
DODT	Dodoma, Tanzania	
DODT2	AfricaArray - AF, DODT	
DOETR	Doetra (Olivone)	
DOG	Dongo Capesterre	
DOGA	KONYA_Doganhisar	
DOGC	Pehlivankoy-KIRKLARELI	
DOI	San Damiano	
DOK	Doka	
DOL	Dolgoi Island	
DOLA	Dholavira	
DOM	Dominica	
DOMA	Ktahya-Domani	
DOMB	Dombas	
DOMF	Dompierre	
DOMI	Santo Domingo	
DOMO	Domo	
DOMR	Dombai	
DOMV	Domvrena, Viotia, Greece	
DON	Dongola	
DONB	Dongobesh	
DONE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DONG	Nakchu	
DONR	Donner Summit	
DOO	Doolan Road	
DOOR	DOOR	
DOPR	Dopca	
DOR	Dorot	
DORC	Dorie	
DORK	Agrı/Tutak/Dorukdibi	
DORT	Dortyol-Hatay	
DORU	Doru	
DOS	Dos Bocas Dam	
DOSS	Dosso del Sommo	
DOT	Dot Lake	
DOU	Dourbes	
DOUB	Doubravka	
DOV	Dover Castle, Kent	
DOW	Dowerin	
DOWB	Downie Slide	
DOY	Duke of York Island	
DP-	Deposit	DP-NY
DP1	Deserto P. S.	DPS
DPAL	Pian Palu'	
DPC	Dobruska-Polom	
DPD	Davis Peak	
DPDB	Guoxing	
DPH	Darwin Parliament House	
DPI	Dunn Peak	
DPIA	Ponte Pia'	
DPLY	Delli Paoli	
DPM	Delmo Park	
DPMT	Pointe Michel	
DP-NY	Deposit	
DPP	Dos Picos Cty Pk	
DPQ	Saint Jean	
DPRA	Pra da Stua	
DPRB	Downie Pk Ridge	
DPS	Deserto Penisola Sorrentina	
DPSS	Saipan	
DPW	Davenport	
DQM	DQM	
DQRL	Deir Qamar	
DR-	Durango	DR-CO
DR01	Juana Nunez	
DR02	San Jose de las Matas	
DR03	Pinalito	
DR04	Monte Llano	
DR05	La Lomota	
DR06	La Diferencia	
DR07	Jarabacoa	
DR08	Loma La Naviza	
DR09	Piedra Blanca	
DR1	Juana Nunez	DR01
DR10	Alto Bandera	
DR11	La Yayitas	
DR12	Loma Pena Alta	
DR13	Sanchez	
DR14	Sierra Prieta	
DR15	Siete Picos	
DR3	Pinalito	DR03
DR4	Monte Llano	DR04
DR5	La Lomota	DR05
DR6	La Diferencia	DR06
DR8	Loma La Naviza	DR08
DRA	Dragasani	
DRA2	DRAMA	
DRAG	Dragano-Lefkada	
DRAM	Dora Dora	
DRB	Dursunbey	
DRBR	Darabani	
DRBS	Ad Darb	
DRBT	Darb Altahta	
DRC	Dorchester	
DRCO	St. Marys Cement	
DR-CO	Durango	
DRD	Roodepoort, Johannesburg	
DRDG	Dodge Ridge, Pinecrest, CA USA	
DRE	Drenchia	
DREC	Desert Rsrch Ctr	
DREG	Dreilaegerbach Talsperre	
DREO	Darlington East Ontario	
DRES	Drepano	
DRETJ	Distrito Reforma Tijuana	
DREZ	Durham Road	
DRGI	Dragot	
DRGR		
DRHJ	Al-Direh	
DRIA	Deer Island	
DRIO	Del Rio	
DRK	Karamyk	
DRK0	Durika	
DRL	Darel	
DRLN	Deer Lake	
DRME	Dracevica, Montenegro	
DRMQ	Drummondville	
DRN	Derbent	
DRNR	Artvin, Merkez, Deriner Baraji	
DRO	Drossia	
DROM	Dromana	
DRP	Derazinda	
DRPA	Athens-Drapetsona	
DRPR	Durgaprasadpur, Orissa	
DRR	Dragan	
DRRA	Deer Island	
DRS	Darwin Rock Store	
DRT	Dartmouth	
DRTD	Roseau, Dominica	
DRTN	Dyersburg	
DRTT	Dortyol	
DRUM	Mains of Drumtochty	
DRV	Dumont d'Urville	
DRWC	Darouich	
DRWO	Darlington West	
DRYC	Dry Creek Basin, Modoc National Forest, Alturas, CA USA	
DRZ	Dome Shelter	
DRZT	Darrouzett	
DS01	DHOFAR - XZ	
DS02	DHOFAR - XZ	
DS03	DHOFAR - XZ	
DS04	DHOFAR - XZ	
DS05	DHOFAR - XZ	
DS06	DHOFAR - XZ	
DS07	DHOFAR - XZ	
DS08	DHOFAR - XZ	
DS09	DHOFAR - XZ	
DS10	DHOFAR - XZ	
DS11	DHOFAR - XZ	
DSB	Dublin	
DSB1	Difesa San Luca	
DSBU	Dashti - Bushehr	
DSC	Scotts Head	
DSCC	Desert Studies Ctr	
DSCH	Colegio Aleman	
DSCO	San Colombano	
DSD2	Dead Sea Dam 2	
DSDI2	DSDS2	
DSDZ	La Diserade, Guadeloupe	
DSF	Desfina	
DSFO	Dean State Forest Ohio	
DSG	Desaguadero	
DSGI	Santa Giustina	
DSH	Dushanbe	
DSHG	Dusheti	
DSHN	Dishon	
DSHT	Scott's Head	
DSI	Dead Sea	
DSI1	Metsoke Dragot	
DSI10	DS10	
DSI11	DS11	
DSI12	DS12	
DSI13	Ovnat, DS13	
DSK	Disk Island	
DSKN	Dashkesen	
DSL	Palaion Diasellon	
DSLB	Salisbury	
DSLC	Dunsandel School	
DSM	Dog Skin Mountain	
DSMN	Discovery Mine	
DSN	Dusing	
DSNO	Creighton Mine,Sudbury	
DSP	Deep Springs	
DSPA	Despedida	
DSPE	Speccheri	
DSRI	Dabo	
DST	Dursunbey	
DST2	Trieste	
DSTT	Stowe	
DSV	Doi Son	
DSVT	Soufriere Village	
DSXP	Dongshan	
DSZ	Denniston North	
DT1	Dutton Round Hill	
DTEM	Dunmovintown East	
DTIR	Bucuresti-Nicolae Titulescu	
DTM	Carnegie Institution of Washington	
DTMM	Dartmouth Digital	
DTMT	Tete Morne	
DTN	Dwight	
DTNA	Dutton South Flank	
DTP	Desert Tortoise Park	
DU-	Durant	DU-OK
DUB	Rathfarnham	
DUB01	Friburgo-RJ	
DUC	Duarte Ranch	
DUDC	Dudkovice	
DUDEL	Dudelange	
DUG	Dugway, Tooele County	
DUGI	Dugi Otok	
DUI	Duronia	
DUL	Duluth	
DULL	Dullstroom, Mpumalanga	
DUN	Dundo	
DUN6	Lazy B Ranch	
DUNDO	Dundo	
DUNF	Dun	
DUNH	University New Hampshire, Durham	
DUNO	Dulce Nombre, Nicoya, Guanacaste	
DUNS	Dunedin Corstorphine Substation	
DUNU	Dundret	
DUOK	Dugi Otok	
DU-OK	Durant	
DUP	Duppenweiler	
DUR	Durham	
DURL	Durlach	
DURR	Durres	
DURS	Dursunbey	
DUS	Dusheti	
DUSB	Deogyusan	
DUSS	Damascus University	
DUT	Dutch Harbor	
DUVT	Torbali	
DUWZ	D'Urville Island	
DUX	Duxbury	
DUYN1	Duynefontein Surface, Cape Town	
DUYN2	Duynefontein DA30, Cape Town	
DUYN3	Duynefontein DA90, Cape Town	
DUYN4	Duynefontein Surface SA, Cape Town	
DUYN5	Duynefontein SA30, Cape Town	
DUYN6	Duynefontein SA90, Cape Town	
DUYS	Dunai	
DUZA	Dulzura	
DV-	Death Valley	DV-CL
DVBM	Devilbend	
DV-CL	Death Valley	
DVCT	Vielle Casse Police Station	
DVD	David	
DVD2	Portal de la Riviera, DVD	
DVD3	San Pablo Viejo, Chiriqui	
DVDT	Valley Desolation	
DVE	Vedeno	
DVG	Divnogorsk	
DVHS	Dannevirke High School	
DVHZ	Dannevirke	
DVI	Derveni	
DVKN	Diavik Mine	
DVL	Devil Canyon	
DVLD	Doverlandia	
DVO	Downsview	
DVP	Devils Point	
DVR	Devrek	
DVSC	Val Schener	
DVT	Derby	
DVTC	Desert View Tower, Jacumba	
DVW	Davenport	
DWDM	Dogwood	
DWDS	Al Duwadimi	
DWIKO	Panggang, Yogyakarta	
DWK		
DWM	Dogwood	
DWP	Davao Weather Station	
DWPF	Disney Wilderness Preserve, Florida	
DWR	Dweir	
DWS	Wesley	
DWU	Dry Willow Peak	
DWY	Dawson City	
DXB	Duxbury	
DY-	Dry Ridge	DY-KY
DY1	Dyersburg	
DY2	Lassiter	
DY2G	Dye2	
DY3	Tiptonville	
DY4	Samburg	
DY5	Near Lassiter	
DYA	Yadsworthy	
DYBB	Diyarbakir	
DYDN	Diyadin	
DY-KY	Dry Ridge	
DYPI	Dekai, Papua Barat	
DYR	Agios Nikonas	
DYTN	Dayton	
DZA	Taraz	
DZB	Cabrayil	
DZBM		
DZD	Dalandzadgad	
DZE	Dzherino	
DZEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DZET	Dzherino	
DZH	Dzhafr	
DZI	Dzhizak	
DZM	Mont Dzumac	
DZN	Dzhankel'dy	
DZR	Jermuk	
DZT	Dzhirgatal'	
E001	Sierra del Retn, Cadiz	
E001A	Albudeite (Murcia)	
E002	Puerto del Bujeo, Cadiz	
E005	Casares, Malaga	
E006	Caete la Real, Malaga	
E007	Orjiva, Granada	
E008	San Bartolome de la Torre, Huelva	
E009	Beas, Huelva	
E01	E01	
E010	Palacio de Doana, Huelva	
E011	Adriano, Sevilla	
E012	Marchena, Sevilla	
E013	Torcal de Antequera, Malaga	
E015	Alquife, Granada	
E016	Rosal de la Frontera, Huelva	
E017	Aznalcollar, Sevilla	
E018	Embalse de El Pintado, Sevilla	
E019	El Pedroso, Sevilla	
E02	E02	
E020	Santaella, Cordoba	
E021	Villaviciosa de Cordoba, Cordoba	
E022	Bujalance, Cordoba	
E024	Martos, Jaen	
E025	Huelma, Jaen	
E026	Sierra de Lcar, Granada	
E028	Jerez de los Caballeros, Badajoz	
E029	Usagre, Badajoz	
E03	E03	
E030	Peraleda del Zaucejo, Badajoz	
E031	Las Morras, Villanueva del Duque, Cordoba	
E032	Castillo de Giribaile, Vilches, Jaen	
E033	Ojanco, Jaen	
E034	Letur, Albacete	
E035	Torrevieja, Alicante	
E036	Arroyo de San Servan	
E037	Caserio Las Cruces	
E038	Cabeza del Buey	
E039	Gargantiel	
E03A	Lebam	
E04	E04	
E040	Cabezarrubias del Puerto	
E041	Villalba de Calatrava	
E042	Carrizosa	
E044	Argamason	
E045	La Font de la Figuera	
E04A	Onalaska	
E04D	Cinebar	
E05	E05	
E051	Villa los Angeles	
E05A	Randle	
E06	E06	
E06A	Yakima	
E07	E07	
E07A	Sunnyside	
E07B	Bay Bridge East Pier 7	
E08	E08	
E0802	Ubeda,Jaen	
E0803	Jimena (Jaen)	
E08A	Dider Farm, Eltopia	
E09	E09	
E0901	Celadas (Teruel)	
E09A	Wood Farm, Starbuck	
E1001	Ethiopia-Afar Geoscientific Lithospheric Experiment E1001	
E1002	Yechar (Murcia)	
E1004	Ethiopia-Afar Geoscientific Lithospheric Experiment E1004	
E1008	Ethiopia-Afar Geoscientific Lithospheric Experiment E1008	
E1011	Ethiopia-Afar Geoscientific Lithospheric Experiment E1011	
E1012	Ethiopia-Afar Geoscientific Lithospheric Experiment E1012	
E1014	Ethiopia-Afar Geoscientific Lithospheric Experiment E1014	
E1016	Ethiopia-Afar Geoscientific Lithospheric Experiment E1016	
E1017	Ethiopia-Afar Geoscientific Lithospheric Experiment E1017	
E1018	Ethiopia-Afar Geoscientific Lithospheric Experiment E1018	
E1019	Ethiopia-Afar Geoscientific Lithospheric Experiment E1019	
E101A	Algamitas (Sevilla)	
E1020	Ethiopia-Afar Geoscientific Lithospheric Experiment E1020	
E1021	Ethiopia-Afar Geoscientific Lithospheric Experiment E1021	
E1022	Ethiopia-Afar Geoscientific Lithospheric Experiment E1022	
E1023	Ethiopia-Afar Geoscientific Lithospheric Experiment E1023	
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E1069	Ethiopia-Afar Geoscientific Lithospheric Experiment E1069	
E1077	Ethiopia-Afar Geoscientific Lithospheric Experiment E1077	
E1078	Ethiopia-Afar Geoscientific Lithospheric	

Experiment E1078
E1079 Ethiopia-Afar Geoscientific Lithospheric Experiment E1079
E1081 Ethiopia-Afar Geoscientific Lithospheric Experiment E1081
E1085 Ethiopia-Afar Geoscientific Lithospheric Experiment E1085
E1089 Ethiopia-Afar Geoscientific Lithospheric Experiment E1089
E1094 Ethiopia-Afar Geoscientific Lithospheric Experiment E1094
E1097 Ethiopia-Afar Geoscientific Lithospheric Experiment E1097
E10A Myers Farm, Uniontown
E11 E11
E1101 Ethiopia-Afar Geoscientific Lithospheric Experiment E1101
E1105 Ethiopia-Afar Geoscientific Lithospheric Experiment E1105
E1110 Ethiopia-Afar Geoscientific Lithospheric Experiment E1110
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E1197 Ethiopia-Afar Geoscientific Lithospheric Experiment E1197
E1199 Ethiopia-Afar Geoscientific Lithospheric Experiment E1199
E11A Bogner Ranch, Nez Perce
E12 E12
E1201 Ethiopia-Afar Geoscientific Lithospheric Experiment E1201
E1202 Enciso (La Rioja)
E1204 Ethiopia-Afar Geoscientific Lithospheric Experiment E1204
E1209 Ethiopia-Afar Geoscientific Lithospheric Experiment E1209
E1213 Ethiopia-Afar Geoscientific Lithospheric Experiment E1213
E1215 Ethiopia-Afar Geoscientific Lithospheric Experiment E1215
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E1296 Ethiopia-Afar Geoscientific Lithospheric Experiment E1296
E12A Beaver Dam Saddle, Pierce
E1301 Ethiopia-Afar Geoscientific Lithospheric Experiment E1301
E1302 La Puebla de Cazalla (Sevilla)
E1303 Ethiopia-Afar Geoscientific Lithospheric Experiment E1303
E1306 EAGLE 6TD - XM, 1306
E1308 Ethiopia-Afar Geoscientific Lithospheric Experiment E1308
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E13A Victor
E1400 Ethiopia-Afar Geoscientific Lithospheric Experiment E1400
E1403 Ethiopia-Afar Geoscientific Lithospheric Experiment E1403
E1407 Ethiopia-Afar Geoscientific Lithospheric Experiment E1407
E1411 Ethiopia-Afar Geoscientific Lithospheric Experiment E1411
E1413 Ethiopia-Afar Geoscientific Lithospheric Experiment E1413

Code	Station Name	Other
E1415	Ethiopia-Afar Geoscientific Lithospheric Experiment E1415	
E1416	Ethiopia-Afar Geoscientific Lithospheric Experiment E1416	
E1435	Ethiopia-Afar Geoscientific Lithospheric Experiment E1435	
E1437	Ethiopia-Afar Geoscientific Lithospheric Experiment E1437	
E1443	Ethiopia-Afar Geoscientific Lithospheric Experiment E1443	
E14A	Clinton	
E15A	Deer Lodge	
E16A	East Helena	
E17A	Martinsdale	
E17B	Bay Bridge East Pier 17	
E17K	Hotham Inlet	
E18A	Harlowton	
E18K	Tukpahlearik Creek	
E19A	Rath Farm, Roundup	
E19K	Redstone River	
E1X	E1X	
E20A	Meyer Farm, Musselshell	
E20K	Nigu River	
E21A	Keefer Ranch, Vananda	
E21K	Killik River	
E2214	Ethiopia-Afar Geoscientific Lithospheric Experiment E2214	
E2215	Ethiopia-Afar Geoscientific Lithospheric Experiment E2215	
E2218	Ethiopia-Afar Geoscientific Lithospheric Experiment E2218	
E2220	Ethiopia-Afar Geoscientific Lithospheric Experiment E2220	
E2221	Ethiopia-Afar Geoscientific Lithospheric Experiment E2221	
E2222	Ethiopia-Afar Geoscientific Lithospheric Experiment E2222	
E2223	Ethiopia-Afar Geoscientific Lithospheric Experiment E2223	
E2242	Ethiopia-Afar Geoscientific Lithospheric Experiment E2242	
E2255	Ethiopia-Afar Geoscientific Lithospheric Experiment E2255	
E2256	Ethiopia-Afar Geoscientific Lithospheric Experiment E2256	
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E2296	Ethiopia-Afar Geoscientific Lithospheric Experiment E2296	
E2297	Ethiopia-Afar Geoscientific Lithospheric Experiment E2297	
E22A	Miles City	
E22K	Anaktuvuk Pass	
E2301	Ethiopia-Afar Geoscientific Lithospheric Experiment E2301	
E2303	Ethiopia-Afar Geoscientific Lithospheric Experiment E2303	
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E2320	Ethiopia-Afar Geoscientific Lithospheric Experiment E2320	
E2321	Ethiopia-Afar Geoscientific Lithospheric Experiment E2321	
E2335	Ethiopia-Afar Geoscientific Lithospheric Experiment E2335	
E2336	Ethiopia-Afar Geoscientific Lithospheric Experiment E2336	
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E2371	Ethiopia-Afar Geoscientific Lithospheric Experiment E2371	
E2388	Ethiopia-Afar Geoscientific Lithospheric Experiment E2388	
E2396	Ethiopia-Afar Geoscientific Lithospheric Experiment E2396	
E23A	Ismay	
E23K	Chandalar	
E2425	Ethiopia-Afar Geoscientific Lithospheric Experiment E2425	
E2428	Ethiopia-Afar Geoscientific Lithospheric Experiment E2428	
E2430	Ethiopia-Afar Geoscientific Lithospheric Experiment E2430	
E2431	Ethiopia-Afar Geoscientific Lithospheric Experiment E2431	
E2432	Ethiopia-Afar Geoscientific Lithospheric Experiment E2432	
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E2434	Ethiopia-Afar Geoscientific Lithospheric Experiment E2434	
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E2449	Ethiopia-Afar Geoscientific Lithospheric Experiment E2449	
E2451	Ethiopia-Afar Geoscientific Lithospheric Experiment E2451	
E24A	Baker	
E24K	Your Creek	
E25A	Miller Ranch, Amidon	
E25K	Arctic Village	
E26A	Carlson Angus Ranch, Regent	
E27A	Carson	
E27K	Coleen River	
E28A	Huff	
E28M	Babbage River	
E29A	Napoleon	
E29M	Blow River	
E2X	E2X	
E30A	Jud	
E31	Ethiopia-Afar Geoscientific Lithospheric Experiment E31	
E3105	Ethiopia-Afar Geoscientific Lithospheric Experiment E3105	
E3107	Ethiopia-Afar Geoscientific Lithospheric Experiment E3107	
E3110	Ethiopia-Afar Geoscientific Lithospheric Experiment E3110	
E3114	Ethiopia-Afar Geoscientific Lithospheric Experiment E3114	
E3116	Ethiopia-Afar Geoscientific Lithospheric Experiment E3116	
E3120	Ethiopia-Afar Geoscientific Lithospheric Experiment E3120	
E31A	Nome	
E32	Ethiopia-Afar Geoscientific Lithospheric Experiment E32	
E3205	Ethiopia-Afar Geoscientific Lithospheric Experiment E3205	
E3207	Ethiopia-Afar Geoscientific Lithospheric Experiment E3207	
E3209	Ethiopia-Afar Geoscientific Lithospheric Experiment E3209	
E3212	Ethiopia-Afar Geoscientific Lithospheric Experiment E3212	
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E3214	Ethiopia-Afar Geoscientific Lithospheric Experiment E3214	
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E3225	Ethiopia-Afar Geoscientific Lithospheric Experiment E3225	
E3228	Ethiopia-Afar Geoscientific Lithospheric Experiment E3228	
E32A	Braaten, Kindred	
E33	Ethiopia-Afar Geoscientific Lithospheric Experiment E33	
E3300	Ethiopia-Afar Geoscientific Lithospheric Experiment E3300	
E3303	Ethiopia-Afar Geoscientific Lithospheric Experiment E3303	
E3304	Ethiopia-Afar Geoscientific Lithospheric Experiment E3304	
E3323	Ethiopia-Afar Geoscientific Lithospheric Experiment E3323	
E33A	Westby DABS, Erhard	
E34	Ethiopia-Afar Geoscientific Lithospheric Experiment E34	
E3404	Ethiopia-Afar Geoscientific Lithospheric Experiment E3404	
E3414	Ethiopia-Afar Geoscientific Lithospheric Experiment E3414	
E34A	Wadena	
E35	Ethiopia-Afar Geoscientific Lithospheric Experiment E35	
E3518	Ethiopia-Afar Geoscientific Lithospheric Experiment E3518	
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E35A	Pequot Lakes	

Code	*Station Name*	*Other*
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E3603	Ethiopia-Afar Geoscientific Lithospheric Experiment E3603	
E3604	Ethiopia-Afar Geoscientific Lithospheric Experiment E3604	
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E3606	Ethiopia-Afar Geoscientific Lithospheric Experiment E3606	
E3609	Ethiopia-Afar Geoscientific Lithospheric Experiment E3609	
E3621	Ethiopia-Afar Geoscientific Lithospheric Experiment E3621	
E36A	McGregor	
E37	Ethiopia-Afar Geoscientific Lithospheric Experiment E37	
E3701	Ethiopia-Afar Geoscientific Lithospheric Experiment E3701	
E3702	Ethiopia-Afar Geoscientific Lithospheric Experiment E3702	
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E3738	Ethiopia-Afar Geoscientific Lithospheric Experiment E3738	
E3742	Ethiopia-Afar Geoscientific Lithospheric Experiment E3742	
E3743	Ethiopia-Afar Geoscientific Lithospheric Experiment E3743	
E37A	Wrenshall	
E38A	The Farm, Brule	
E39	Ethiopia-Afar Geoscientific Lithospheric Experiment E39	
E39A	Mellen	
E3X	E3X	
E40	Ethiopia-Afar Geoscientific Lithospheric Experiment E40	
E40A	Wakefield	
E41	Ethiopia-Afar Geoscientific Lithospheric Experiment E41	
E41A	Kenton	
E42	Ethiopia-Afar Geoscientific Lithospheric Experiment E42	
E42A	Champion	
E43	Ethiopia-Afar Geoscientific Lithospheric Experiment E43	
E43A	Lone Tree Farm, Eben Junction	
E44	Ethiopia-Afar Geoscientific Lithospheric Experiment E44	
E44A	Grand Marais Airport, Grand Marais	
E45	Ethiopia-Afar Geoscientific Lithospheric Experiment E45	
E45A	Wooded Hills, Hulbert	
E46	Ethiopia-Afar Geoscientific Lithospheric Experiment E46	
E46A	Sault Ste Marie	
E47	Ethiopia-Afar Geoscientific Lithospheric Experiment E47	
E47A	Iron Bridge	
E48	Ethiopia-Afar Geoscientific Lithospheric Experiment E48	
E48A	Lockeyer	
E49	Ethiopia-Afar Geoscientific Lithospheric Experiment E49	
E4X	E4X	
E50	Ethiopia-Afar Geoscientific Lithospheric Experiment E50	
E50A	Wahnapitae	
E51	Ethiopia-Afar Geoscientific Lithospheric Experiment E51	
E51A	G1948 Merrick Township	
E52	Ethiopia-Afar Geoscientific Lithospheric Experiment E52	
E52A	Mattawa	
E53	Ethiopia-Afar Geoscientific Lithospheric Experiment E53	
E53A	Dumoine, Pontiac MRC	
E54	Ethiopia-Afar Geoscientific Lithospheric Experiment E54	
E54A	Lac Daplat, Pontiac, MRC	
E55	Ethiopia-Afar Geoscientific Lithospheric Experiment E55	
E55A	Montcerf-Lytton	
E56	Ethiopia-Afar Geoscientific Lithospheric Experiment E56	
E56A	St. Veronique	
E57	Ethiopia-Afar Geoscientific Lithospheric Experiment E57	
E57A	Chemin Saint Guillaume, Saint Donat	
E58	Ethiopia-Afar Geoscientific Lithospheric Experiment E58	
E58A	La Victoria	
E59	Ethiopia-Afar Geoscientific Lithospheric Experiment E59	
E59A	St. Maurice	
E5X	E5X	
E60	Ethiopia-Afar Geoscientific Lithospheric Experiment E60	
E60A	Ste Agathe de Lotbiniere,	
E61	Ethiopia-Afar Geoscientific Lithospheric Experiment E61	
E61A	Lac Etchemin	
E62A	Clayton Lake	
E63	Ethiopia-Afar Geoscientific Lithospheric Experiment E63	
E63A	Oxbow	
E64	Ethiopia-Afar Geoscientific Lithospheric Experiment E64	
E64A	Bridgewater	
E66	Ethiopia-Afar Geoscientific Lithospheric Experiment E66	
E67	Ethiopia-Afar Geoscientific Lithospheric Experiment E67	
E68	Ethiopia-Afar Geoscientific Lithospheric Experiment E68	
E69	Ethiopia-Afar Geoscientific Lithospheric Experiment E69	
E6X	E6X	
E70	Ethiopia-Afar Geoscientific Lithospheric Experiment E70	
E71	Ethiopia-Afar Geoscientific Lithospheric Experiment E71	
E72	Ethiopia-Afar Geoscientific Lithospheric Experiment E72	
E73	Ethiopia-Afar Geoscientific Lithospheric Experiment E73	
E74	Ethiopia-Afar Geoscientific Lithospheric Experiment E74	
E75	Ethiopia-Afar Geoscientific Lithospheric Experiment E75	
E76	Ethiopia-Afar Geoscientific Lithospheric Experiment E76	
E77	Ethiopia-Afar Geoscientific Lithospheric Experiment E77	
E78	Ethiopia-Afar Geoscientific Lithospheric Experiment E78	
E79	Ethiopia-Afar Geoscientific Lithospheric Experiment E79	
E80	Ethiopia-Afar Geoscientific Lithospheric Experiment E80	
E82	Ethiopia-Afar Geoscientific Lithospheric Experiment E82	
E83	Ethiopia-Afar Geoscientific Lithospheric Experiment E83	
E84	Ethiopia-Afar Geoscientific Lithospheric Experiment E84	
E85	Ethiopia-Afar Geoscientific Lithospheric Experiment E85	
E932	Embalse del Gaudalen, Jaen	
EAB	Aberfoyle	
EACI	Aci Sant'Antonio	
EADA	Adamuz	
EADB	Eade Ranch	
EADEB	Ain Deheb	
EAFB	Elmendorf Base	
EAG	Eagle Mountain	
EAG1	Polichnitos, Lesvos	
EAG2	Marmaro, Chios	
EAG3	Mitilini, Lesvos	
EAGL	Eagle Lake Youth Camp, Lassen County, CA USA	
EAGO	Agolada(Pontevedra)	
EAH	EAH	
EAHA	Aohua	
EAK	Akyaka	
EALB	Alboran	
EALH	Alhama de Murcia	
EALK	Alkurruntz	
EAM	Ear Mountain	
EAN	East Aurora	
EANR	'Ain N'Sour	
EARA	Aranguren	
EARB	Arib	
EARC	Monte Arcimis	
EARI	Arriondas	
EARN	East Ridge Elementary School	
EASA	Ain Sidi Ali	
EAST	Anshuo	
EASTA	EASTA	
EASTB	EASTB	
EASTC	EASTC	
EASTN	East End Reserv.	
EASY	Easy	
EATA	Eleskirt	
EAU	Auchinoon	
EAV	Pico El Aguila	
EAZ	Earnscleugh	
EB-	East Braintree	EB-MT
EBAD	Badajoz	
EBAJ	Bajamar	
EBAN	Banos Encina	
EBCN	Bocca Nuova	
EBDA	Bosco di Aci (S. Maria La Stella)	
EBEL	Etna Belvedere	
EBELL	Liceo Cantonale, Bellinzona	
EBEN	Beniarda	
EBEN2	Beniarda presa Alicante	
EBER	Berja	
EBG	Ellensburg	
EBGR	Bougara	
EBH	Black Hill	
EBHM	Djebel Bou Ahmed	
EBI	Elk Butte	
EBIE	Bielsa	
EBIN	Albstadt-Ebingen	
EBL	Broad Law	
EBM	Esen Bulak	
EB-MT	East Braintree	
EBN	Edmundston	
EBNH	Beni Haoua	
EBNR	Beni Rached	
EBO	EBOLI	
EBOM	Djebel Bou Maad	
EBP	Ebbets Pass	
EBR	Ebro Roquetas	
EBRE	Ebro Roquetas	
EBS	Eagle Butte	
EBSD	Ebsdorfer Grund, Hesen	
EBUEL	Kantonsschule Buelach	
EBYL	Djebel Bou Yalou	
EBZ	Ebenezer Church	
EC01	ESMERALDAS	
EC02	VENTE CASAS, SO DE CAMARONES	
EC03	NORTH OF SAN FRANCISCO	
EC04	EL BOTADO, WEST OF QUINDE	
EC05	EAST OF QUINDE	
EC06	EAST OF PEDERNALES	
EC07	SOUTH OF LIMONES	
EC08	CAMARONES	
EC09	EL TABLON	
EC11	LA UNION	
EC12	NORTH OF DAULE	
EC13	SOUTH OF SALIMA	
EC14	SOUTH OF TABIAZO	
EC15	JUST BEFORE CUBE	
EC16	SOUTHWEST OF TABUGA	
EC17	SOUTH OF ESTERO SECO	
EC18	SOUTHEAST OF BOCA DE BIGOA	
EC19	TOALLA CHICA	
EC20	SOUTH OF MONTECRISTI	
ECA	El Cajon	
ECAB	El Cabril	
ECAL	Calabor	
ECALA		
ECAN	Masseria Cannata	
ECAT	Cat-ERZURUM	
ECB	Carrickbyrne Hill	
ECBD	Case Bada	
ECBN	Changbin	
ECBX	El Chinero	
ECC	El Centro	
ECCO	Edison CC	
ECCS	Contrada Cassone	
ECD	Elk Chute Ditch	
ECDB	Euchungdo	
ECDV	Codavolpe	
ECEA	Canakkale, Eceabat-Seddulbahir	
ECEN	Cerro Negro	
ECEU	Ceuta	
ECF	Echo Falls	
ECG	Echelle	
ECH	Echery	
ECHA	Ech Chlef	
ECHE	Chera	
ECHF	Ech Chlef	
ECHI	Chisagues Bielsa	
ECHR	Santa Chiara	
ECI	Escuela Centroamericana Geologa	
ECIS	Cisternazza	
ECK	Cauldkaine Hill	
ECL	Taimali	
ECLS	East Cape Lighthouse	
ECM	Ellicott City	
ECML	Castelmola	
ECNE	Crateri Nord Est	
ECNV	Catenanuova	
ECNX	Esteban Cantu	
ECO	Colon	
ECO2	Colon	
ECOG	Cogollos-Vega	
ECOL	Islas Columbretes	
ECOPE	Copete-Rev Volc	
ECP	Carnsore Point	
ECPN	Case del Piano	
ECPR	Experimental Station Corozal Puerto Rico, UPR	
ECR	Eagle Creek	
ECRI	Cripan	
ECS	Chishang	
ECSD	EROS Data Center, Sioux Falls	
ECT	Ellsworth	
ECTS	Castiglione	
ECVS	Case del Vescovo	
ECX	Ensenada	
ECZ	East Cape	
ECZM	Case Zampini	
ED-	Edgewood	ED-MI
ED06	Collalto TV	
EDA	Edea	
EDAD	Golfito	
EDAM	rum-Palandoken-Deprem rem Arastirma Merkezi	
EDB	Eliza Dome	
EDBA	Buenos Aires	
EDC	Edincik	
EDC*	EscuelaIngenieria	
EDDO	Dominical	
EDDR	Deurdeur	
EDE1	Edessa	
EDEN	Eden	
EDFI	Ende, Flores	
EDH	Donghe	
EDI	Edinburgh	
EDIA	Heredia	
EDIL	So. Illinois U.	
EDIT	Edith	
EDK	El Dorado	
EDLM	Las Mercedes	
EDM	Edmonton	
EDMA	Eldorado	
EDMD	Edmundbyers	
ED-MI	Edgewood	
EDMN	Edmundston, New Brunswick	
EDO	Endilloe	
EDOMX	El Doctor, EDO	
EDP2	Potrero Grande	
EDPE	Pejibaye, Prez Zeledn	
EDPN	Palmar Norte	
EDR	Drumtochty	
EDRB	Edirne	
EDRZ	Edgecumbe	
EDS3	Malargue	
EDSV	San Vito	
EDT	Edincik	EDC
EDU	Dundee	
EDUN	Edmundston	
EDW	Edwards Air Force Base,Rosamund	
EDW2	Edwards Air Force Base 2, Rosamond	
EDY	Kabakon Island	
EDZN	EDZO	
EE01	Perakula, Nova	
EE02	Kiisa, Saku	
EE03	Tooma soojaam, Jogeva	
EE04	Vaivara Sinimaed	
EE05	Udria, Vaivara	
EE06	Soera, Palade, Hiiumaa island	
EE07	Piusa caves, Voru Municipality	
EE08	Sarghaua, Vandra	
EEO	Eldee	
EF-	Eagle Flat	EF-TX
EF01	Eagle Ford 01	
EF02	Christine	
EF03	Hobson	
EF04	Eagle Ford 04	

Code	Station Name	Other
EF05	Yorktown	
EF51	Christine	
EF52	Campbellton	
EF53	Gillett	
EF54	Nixon	
EF55	Cheapside	
EF56	Moulton	
EF58	Charlotte	
EF59	Coughran	
EF61	Poth	
EF62	Nixon	
EF63	Gonzales	
EF64	Waelder	
EF65	Schulenburg	
EF66	Yoakum	
EF67	Cuero	
EF68	Kenedy	
EF69	Whitsett	
EF71	Pawnee	
EF72	Nordheim	
EF73	North Karnes	
EF74	Calliham	
EF75	Tulsita	
EF76	Three Rivers	
EFAM	Famara	
EFD	Emergency Operations Facility	
EFI	East Falkland Island	
EFIU	Fiumefreddo	
EFO	Effingham	
EFOR	EFORIE	
EFP	Efpalio	
EFR	Efringen	
EFSA	Agios Efstratios	
EF-TX	Eagle Flat	
EGA	Jian Township	
EGAK	Eagle	
EGC	Eagle	
EGD	Espegrend	
EGFH	Guangfu	
EGFM	Gr delle femmine	
EGI	Egilsstadhir	
EGL	Gala Law	
EGL1	Gala Law	
EGM	El Golfo de Santa Clara	
EGMT	Eagleton	
EGN	Eagle's Nest	
EGO	El Golfo de Santa Clara	
EGOM	La Gomera	
EGOR	Sierra Gorda, Loja, Granada	
EGR	Empire Grade Road	
EGRA	Graus	
EGRIP	EGRIP Drilling camp	
EGRN	Evergreen College	
EGRO	El Granado	
EGS		
EGSI	Enggano, Bengkulu	
EGUA	Guajares	
EGUB	Earth Gupiles	
EGV	Egvekinot, Chukotka	
EGVZ	Egvard	
EGX	Santa Clara	
EGYH	Egyhazaskeszo	
EHC	Hejung	
EHD	Haiduan	
EHIG	Higuera	
EHN	Echo Peak	
EHOR	Hornachuelos	
EHP	Heping Village	
EHRO	Hierro	
EHRZ	Djelida	
EHUE	Huescar	
EHV	El Hato	
EHY	Hungye	
EHYH	Wanrong	
EIBI	Ibiza	
EIC	Easter Island	
EIDS	Eidsvold	
EIL	Elat	
EIL2	Elat	
EILF	Villa Eilenroc - Antibes	
EINC	Incio	
EISP	Ispir	
EJC	Estacion Juarez	
EJDE	Erzurum, Palandoken	
EJIF	Jimena Frontera	
EJIM	Jimena Frontera	
EJON	La Jonquera	
EJUZ	Juzbado, Salamanca	
EK-	Eureka (L)	EK-NV
EKA	Eskdalemuir Array	
EKAR	Karacoban	
EKB	Eskdalemuir	
EKB1	Eskdalemuir Array Site B1	
EKB10	Eskdalemuir Array Site B10	
EKB2	Eskdalemuir Array Site B2	
EKB3	Eskdalemuir Array Site B3	
EKB4	Eskdalemuir Array Site B4	
EKB5	Eskdalemuir Array Site B5	
EKB6	Eskdalemuir Array Site B6	
EKB7	Eskdalemuir Array Site B7	
EKB8	Eskdalemuir Array Site B8	
EKB9	Eskdalemuir Array Site B9	
EKC	Ekona	
EKG	Eskdalemuir	EKB
EKH	Elkhorn Ranch	
EKMR	Ekimchan	
EKMS	Oued Kramis	
EKMT	Elk Creek	
EKN	Konogogo	
EKNA	AfricaArray - AF	
EK-NV	Eureka	
EKO	Elko	
EKONA	Konaklı, Erzurum	
EKR	Elk River	
EKR1	Eskdalemuir Array Site R1	
EKR10	Eskdalemuir Array Site R10	
EKR2	Eskdalemuir Array Site R2	
EKR3	Eskdalemuir Array Site R3	
EKR4	Eskdalemuir Array Site R4	
EKR5	Eskdalemuir Array Site R5	
EKR6	Eskdalemuir Array Site R6	
EKR7	Eskdalemuir Array Site R7	
EKR8	Eskdalemuir Array Site R8	
EKR9	Eskdalemuir Array Site R9	
EKS	Erkin-Say	
EKS2	Erkin-Say	
EKSU	Eksjoe	
EKTN	Ekati Mine	
EKTS	Eketahuna School	
EKU	East Kanab	
EL-	Ellensburg	EL-WA
EL2	El Mirage 2	
EL6	Elcito	
ELA	Elazig	
ELA1	El Aromo 1	
ELAGU	Cayambe Volc	
ELAN	Lanestosa	
ELAR	El Aromo	
ELAT	Eilat	
ELAUS	Gymnase	
ELB	Lambom Island	
ELBA	Catalca	
ELBAS	Elbasan	
ELBS	KAHRAMANMARAS_ Elbistan	
ELC	Elco	
ELD	Ethyl Lake Duckett	
ELDON	East London,Eastern Cape	
ELDR	Elanda	
ELDT	Eldivan	
ELDTW	Lidau	
ELF	Elginfield	
ELFA	Athens-Elefsina	
ELFMC	Lycee	
ELFO	Elginfield	
ELFS	Eagle Lake Field Station, Susanville	
ELFV	Espoo, Elfvik	
ELFZ	Elifaz	
ELGO	Elora Gorge	
ELGU	Los Guajares, Granada	
ELI	Lubumbashi	
ELI1	Hacienda Flor	
ELIB	Princess Elisabeth base, Queen Maud Land, Antarctica	
ELIJ	Sierra de Lijar	
ELIM	Elim	
ELIS	Ellis County	
ELIZ	Elizondo	
ELK	Elko	
ELL	Elmali	
ELLE	Elwoh	
ELLO	Elliot Lake	
ELM	Elma	
ELM0	Bergli, Elm, GL	
ELM1	Schwanderberg, Haslen, GL	
ELM3	Stegerstafel, Elm, GL	
ELMC	El Mirage	
ELMO	Cerro Moro	
ELMS	Elmsett, Ipswich	
ELMT	Elliston	
ELN	Prospectdale	
ELNB	Elgin, New Brunswick	
ELND	Elena	
ELNV	Ellenville	
ELO	Logie Almond	
ELOB	Lobios	
ELOJ	Sierra Loja	
ELOR	Lorca, Murcia	
ELOT	Eilot	
ELOV	Elorza	
ELOY	ELOY ALFARO	
ELP	El Pangue	
ELPA	Fila Paraiso	
ELQ	El Quisco	
ELRC	Elmore Ranch	
ELRO	Cerro El Roble	
ELS	Elsinore Mountain	
ELSH	Elham, Standardhill Farm (Kent)	
ELT	Eltsovka	
ELT0	Eltsovka	
ELU	Electric Lake	
ELUQ	Luque	
ELV	Elvey	
ELVI	Sierra Elvira	
ELVJ	El Viejo (Barbudal, Tempisque)	
ELW	Echo Lake	
EL-WA	Ellensburg	
ELY	Ely	
ELYF	Elaudy	
ELZ	Elazig	
ELZG	Elazig	
EM-	Emporia	EM-KA
EMA	Elm	
EMAL	Malaga-Limonero	
EMAR	Monte Arcimis	
EMAS	Mascalucia	
EMAZ	Mazaricos	
EMB	Emerald Bay	
EMBD	Embd, Mattertal	
EMCN	Etna Monte Conca	
EMCO	Etna Monte Colla	
EME	Emae	
EMEL	Melilla	
EMET	Emet, Ktahya	
EMFO	Monte Fontane	
EMFS	Etna Monte Frumento Supino	
EMGR	Monte Grosso	
EMHD	Djebel Mahouada	
EMI	Eightmile Canyon	
EMIJ	Mijas	
EMIL	Monte Intraleo	
EMIN	Mina Concepcion	
EMING	Emmingen-Liptingen DE	
EMIR	Miracle	
EMK	Emporia	
EM-KA	Emporia	
EML	El Monte Cty Pk	
EMLI	Melilla	
EMLK	Emlikli	
EMLP	Malpasso	
EMM	East Machias	
EMMET	Emmethof	
EMMT	East Machias	
EMMW	East Machias	
EMN	Eldorado Mountains	
EMNR	Monte Nero	
EMO	Emosson	
EMON	Mondonedo	
EMOS	Mosqueruela	
EMPA		
EMPL	Monte Parmentelli	
EMPR	Esperanza - Manati, PR	
EMRE	Erzurum,Aziziye	
EMRS	Mersa Alam	
EMRV	Monte Ruvolo	
EMS	Emosson-Mur	
EMSA	Motta S. Anastasia	
EMSB	Eumseong	
EMSC	East Mesa	
EMSG	Monte Spagnolo	
EMT	Emmet	
EMUR	La Murta	
EMUT	Emma Park	
EMV	Vieux Emosson	
EMVT	Monte Vetore	
EMX	El Mayor	
EN-	Ellsinore	EN-MO
EN01	NECsaids, EN01	
EN02	NECsaids, EN02	
EN03	NECsaids, EN03	
EN04	NECsaids, EN04	
EN05	NECsaids, EN05	
EN06	NECsaids, EN06	
EN07	NECsaids, EN07	
EN08	NECsaids, EN08	
EN09	NECsaids, EN09	
EN10	NECsaids, EN10	
EN11	NECsaids, EN11	
EN12	NECsaids, EN12	
EN13	NECsaids, EN13	
EN14	NECsaids, EN14	
EN16	NECsaids, EN16	
EN17	NECsaids, EN17	
EN18	NECsaids, EN18	
EN19	NECsaids, EN19	
EN20	NECsaids, EN20	
EN21	NECsaids, EN21	
EN22	NECsaids, EN22	
EN23	NECsaids, EN23	
EN6*	Monte Nero	
ENA	Nanau	
ENAH	Nanao	
ENAN	Enatrel Managua	
ENAS	Puntarenas	
ENAUX	Enaux	
ENCS	Nicolosi	
ENDA	Endulen Rd	
ENDD	Endenburg	
ENEL	Enilchek, Kyrgyzstan	
ENEZ	Enez	
ENG	Engineer Hill	
ENGB	English Bluff	
ENGD	Engstlatt	
ENGI	Ein Gedi	
ENGR	Engrck, Gemlik, Bursa	
ENGV	Ein-Gev	
ENH	Enshi	
ENIC	Nicolosi	
ENIJ	Nijar	
ENLB	Shoufeng	
ENLS	Nicolosi	
ENM	Eenrum	
ENM1	Eenrum	
ENM2	Eenrum	
ENM3	Eenrum	
ENM4	Eenrum	
EN-MO	Ellsinore	
ENMS	ENMS	
ENN	Epen	
ENNA	ENNA	
ENPP	El Nido	
ENR	Entracque	
ENSF	Ens	
ENT	Entebbe	
ENTS	Ennepetalsperre	
ENTT	Nioudou	
ENUK	Enukweni	
ENV	Elp	
ENV1	Elp / Enerveen	
ENV2	Elp / Enerveen	
ENV3	Elp / Enerveen	
ENV4	Elp / Enerveen	
ENX	Ensenada	
ENZ	Enzan	
ENZZ	Sultanice-Enez-Edirne	
EO1	Edge Oya	
EO2TX	Elmo	
EOCU	Emergency Operations Center, State Capitol Campus, Salt Lake City, UT, USA	
EOFD	Oued Fodda	
EOLT	Oltu	
EORO	Oroz-Betelu	
EOS1	EOS1	
EOS2	EOS2	
EOS3	EOS3	
EOS4	EOS4	
EOSO	Osorio	
EP-	El Paso	EP-TX
EPA	Esparza	
EPAB	San Pablo	
EPALM	Reventador volcano	
EPAP	Piano d'Api	
EPAZ	Eden Park BICEP	
EPCH		
EPDN	Pizzo Deneri	
EPET	Petrulli	
EPF	Esparros	
EPH	Ephrata	
EPI	Epi	
EPID	Epidavros	
EPIS	Pennisi	
EPIT	Pozzo Pitarrone	
EPLA	Plasencia	
EPLC	Punta Lucia	
EPLO	Experimental Lakes	
EPM	Echo Peak	
EPMB	Univ. Columbia	
EPMC	Merrill Creek	
EPMN	Piedimonte	
EPNL	EPN Laboratorio de Estructuras	
EPOB	Poblet	
EPOL	Con Chiusa Politi	
EPON	Pontenova	
EPOS	Posof	
EPOZ	Pozzillo	
EPPA	Pizzo Paviglione	
EPR	East Pahranagat Range	
EPRM	East Prairie	
EPRU	Pruna	
EPSO	Coonabarabran	
EPT	El Paso	
EP-TX	El Paso	
EPU	East Promontory	
EPW	Ephrata	
EPYK	Eagle Plains	
EPZF	Pizzo Felice	
EQES	Quesada	
EQTA	Presa de Quentar	
EQUE	Quentar	
EQUI	Equi	
ER1	Erice	ERC
ER101	Early Rise 101	
ER102	Early Rise 102	
ER103	Early Rise 103	
ER104	Early Rise 104	
ER105	Early Rise 105	
ER106	Early Rise 106	
ER107	Early Rise 107	
ER108	Early Rise 108	
ER109	Early Rise 109	
ER110	Early Rise 110	
ER111	Early Rise 111	
ER112	Early Rise 112	
ER113	Early Rise 113	
ER114	Early Rise 114	
ER115	Early Rise 115	
ER116	Early Rise 116	
ER117	Early Rise 117	
ER118	Early Rise 118	
ER119	Early Rise 119	
ER120	Early Rise 120	
ER201	Early Rise 201	
ER202	Early Rise 202	
ER203	Early Rise 203	
ER204	Early Rise 204	
ER205	Early Rise 205	
ER207	Early Rise 207	
ER208	Early Rise 208	
ER209	Early Rise 209	
ER210	Early Rise 210	
ER211	Early Rise 211	
ER212	Early Rise 212	
ER213	Early Rise 213	
ER215	Early Rise 215	
ER216	Early Rise 216	
ER217	Early Rise 217	
ER218	Early Rise 218	
ER219	Early Rise 219	
ER220	Early Rise 220	
ER221	Early Rise 221	
ER222	Early Rise 222	
ER223	Early Rise 223	
ER224	Early Rise 224	
ER225	Early Rise 225	
ER226	Early Rise 226	
ER227	Early Rise 227	
ER228	Early Rise 228	
ER229	Early Rise 229	
ER230	Early Rise 230	
ER231	Early Rise 231	
ER232	Early Rise 232	
ER234	Early Rise 234	
ER235	Early Rise 235	
ER236	Early Rise 236	
ER237	Early Rise 237	
ER238	Early Rise 238	
ER239	Early Rise 239	
ER241	Early Rise 241	
ER242	Early Rise 242	
ER300	Early Rise 300	
ER301	Early Rise 301	
ER302	Early Rise 302	
ER303	Early Rise 303	
ER304	Early Rise 304	
ER306	Early Rise 306	
ER307	Early Rise 307	
ER308	Early Rise 308	
ER309	Early Rise 309	
ER310	Early Rise 310	
ER311	Early Rise 311	
ER312	Early Rise 312	
ER313	Early Rise 313	
ER314	Early Rise 314	
ER315	Early Rise 315	
ER316	Early Rise 316	
ER317	Early Rise 317	
ER318	Early Rise 318	
ER319	Early Rise 319	
ERB	Rabaul (IGS)	
ERBA	Erbaa	
ERBG	Erbaa-TOKAT	
ERBM	Eremo	
ERBR	Yeremizino-Borisovskaya	
ERC	Erice	
ERCT	Erciyes	
ERCV	ERCIS-VAN	
ERD	Erdek	
ERE	Yerevan	
EREA	Eretria	
EREN	Erenkoy	
ERET	Eretria	
ERG	Entre ros, Cuyotenango	
ERI	Eureka Ridge	
ERIA	Liberia	
ERIK	Erikli-Kesan	
ERIN	Erian - IBB Gov. - Yemen	
ERIP	Rio Piedras	
ERK	Elk Rock	
ERM	Erimo	
ERMK	Ermenek	
ERMT	East Ridge	
ERMX	Rumorosa	
ERN	Ernestine	
ERNS	Erzin	
ERON	Agron	
EROQ	Roquetas del Mar	
EROSC	El Rosal, ROS	
ERP	Erie	
ERPA	Erie	

Code	*Station Name*	*Other*
ERPC	Ernies Place	
ERPF	Erpfingen	
ERPM	east rand property ines	
ERR	Err	
ERRC	Elmore Ranch	
ERS	Ellisras	
ERSA	Rifugio Sapienza	
ERT	Erto-Casso	
ERTA	Horta de San Juan	
ERTE	Erta Ale	
ERTR	Eretria, Euboea Island, Greece	
ERTU	Ertsjaerv	
ERU	Erunakovo, Kuzbass, Russia	
ERUA	La Rua	
ERW	Mount Erie	
ERZ	Erzurum	
ERZC	Erzyncan	
ERZM	Erzurum	
ERZN	Erzincan	
ERZT	Erzurum	
ES-	Espanola	ES-ON
ES01	SONSECA Array Site 01	
ES02	SONSECA Array Site 02	
ES03	SONSECA Array Site 03	
ES04	SONSECA Array Site 04	
ES05	SONSECA Array Site 05	
ES06	SONSECA Array Site 06	
ES07	SONSECA Array Site 07	
ES08	SONSECA Array Site 08	
ES09	SONSECA Array Site 09	
ES10	SONSECA Array Site 10	
ES11	SONSECA Array Site 11	
ES12	SONSECA Array Site 12	
ES13	SONSECA Array Site 13	
ES14	SONSECA Array Site 14	
ES15	SONSECA Array Site 15	
ES16	SONSECA Array Site 16	
ES17	SONSECA Array Site 17	
ES18	SONSECA Array Site 18	
ES19	SONSECA Array Site 19	
ES2	Esso	
ESA	Esa-ala	
ESAC	San Caprasio	
ESAD	Djebel Saadia	
ESAL	Sant'Alfio	
ESAN	Monte dei Santi	
ESAO	Su ao	
ESAR	Angra dos Reis-Rio de Janeiro-Brazil	
ESB	Esa-ala	
ESBB	Sonseca Array BB	
ESC	El Salvador	
ESCA	l'Escarene	
ESCF	Escot	
ESCO	ESCO Site	
ESCV	Scorciavacca	
ESD	East Dome	
ESDC	Sonseca Array Beam Reference Point	
ESE	Esentepe	
ESEL	Selva	
ESEN	Esenky, Nazilli, Aydın	
ESF	Shoufeng Township	
ESFA	Espinillo Formosa - Argentina	
ESGP	El Socorro	
ESGS	El Segundo	
ESGZ	Sivrice-Elazig	
ESH	Esan	
ESIJ	Sivrice-Elazig	
ESION	College des Creusets, Sion	
ESJX	Sierra Juarez	
ESK	Eskdalemuir	
ESKT	Eskisehir	
ESKU	Eskilstuna	
ESKY	Esenkoy-Cinarcik-YALOVA	
ESL	Shilin	
ESLA	Sonseca Array Site A	
ESLB	Sonseca Array Site B	
ESLC	Sonseca Array Site C	
ESLD	Sonseca Array Site D	
ESLE	Sonseca Array Site E	
ESLF	Sonseca Array Site F	
ESLG	Sonseca Array Site G	
ESLN	Serra La Nave	
ESM	Semalu	
ESM1	Las Penas - Esmeraldas	
ESMB	Sidi M'hamed Benaouda	
ESME	Juntas	
ESML	S. M. di Licodia	
ESMR	San Marino	
ESMT	Esmerelda Mountain	
ESND	Charing Cross	
ESNI	Empang, Sumbawa, Nusat Tenggara Barat, Indonesia	
ESNK	Esenky, ınarcık, Yalova	
ESO	Esso	
ES-ON	Espanola	
ESP	Espenschied	
ESPC	Serra Pizzuta	
ESPN	Las Esperanzas	
ESPO	Espot	
ESPR	Espera	
ESPY	Espiye-Giresun	
ESPZ	Base Esperanza	
ESQI	Esquipulas	
ESR	Escape Road	
ESRB	Sir Abu	
ESRMX	Riito, ESR	
ESRO	Monte Soro	
ESS	CRAAG	
ESSG	Sabana Grande	
ESSJ	San Jos, Escuintla	
EST	Estancia	
ESTA	Talpa de Allende	
ESTN	Esteli	
ESTP	Estepa	
ESTQ	Tiquisate	
ESTR	Eastside	
ESU	Esutoru	
ESVO	Monte Scavo	
ESY	Stoneypath	
ET01	Chireno	
ET03	Palhano	
ET2	Eltopia	
ET3	Eltopia	
ETA	Tara	
ETAN	Djebel Tanoua	
ETAR	Tardaria	
ETAZ	East Tamaki Reservoir	
ETB	Estevan Point	
ETC	El Centro	
ETEKE	Tekederesi - Erzurum	
ETER	Terradas	
ETFI	Torre del Filo	
ETG	Eatonton	
ETH01	ETH01	
ETH02	ETH02	
ETH03	ETH03	
ETH04	ETH04	
ETH05	ETH05	
ETH06	ETH06	
ETH07	ETH07	
ETH08	ETH08	
ETHB	Djebel Tachoubennt	
ETKA	Kagalaska Island	
ETL	Fush Village	
ETLBK	Ettelbruck	
ETLH	Xiulin Township	
ETM	Tongmen	
ETM2	Extrema - RO	
ETMB	Extrema	
ETNF	Estrennes	
ETOB	Tobarra	
ETOR	Torete	
ETOS	Mallorca	
ETP	Eltopia	
ETPB	Estevan Point	
ETRA	Estrella	
ETRT	Tiaret	
ETRV	Los Montesinos	
ETS	Engine Test Stand	
ETSF	Etsaut	
ETSL	Etsel Ridge	
ETT	Etowah	
ETU	East Traverse Mountains	
ETV	Tovanakuss	
ETVZ	East Tongariro	
ETW	Entiat	
ETX01	County Road 4772, Timpson	
ETX02	Prairie Street, Timpson	
ETX03	FM Road 95, Garrison	
ETX04	Route FM415 near Route 87	
ETX06	Route 59 and County Road 4763, Timpson	
ETX07	County Road 4760 near Route FM1970, Timpson	
ETYK		
EU-	Eutaw	EU-AL
EU2	Eutaw	EU2AL
EU2AL	Eutaw	
EU-AL	Eutaw	
EUAT	Ohonua, Eua	
EUC	Eureka Canyon	
EUCT	Pavia	
EUGM	Eugowra	
EUM	Eureka Mesa	
EUNU	Eureka	
EUO	Eugene	
EUR	Eureka	
EURB	Uiryeong-eup	
EUSB	Uiseong	
EUW	Eureka	
EUZM	Uzumlu	
EVA	Evander	
EVAL	Valverde	
EVAR0	San Evaristo	
EVCC	Everett College ANSS-SMO	
EVE	Everglades	
EVEN	Evensk	
EVES	Evensk	
EVFU	Funiculaire Bar¨ges	
EVGI	Lefkada island	
EVGW	Everett Gateway Middle School ANSS-SMO	
EVIA	Vianos	
EVIJ	El Viejo	
EVIN	Evansville	
EVIV	Cofrentes, Valencia	
EVLE	Labazerque-Escapade	
EVLI	Lausseig	
EVMP	OMP - Tarbes	
EVN	Everest	
EVNA	Vena	
EVNR	Evensk	
EVO	Evora	
EVOP	Sao Brissos	
EVR	Evrytania	
EVRN	Santa Venerina	
EVSA	Saligos	
EVSC	Saint-Christau	
EVV	El Vigia	
EVVI	Villelongue	
EVZ	Mount Varzin	
EW-	Eniwetok	EW-IS
EW01	NECsaids, EW01	
EW03	NECsaids, EW03	
EW04	NECsaids, EW04	
EW05	NECsaids, EW05	
EW06	NECsaids, EW06	
EW07	NECsaids, EW07	
EW08	NECsaids, EW08	
EW09	NECsaids, EW09	
EW10	NECsaids, EW10	
EW11	NECsaids, EW11	
EW12	NECsaids, EW12	
EW13	NECsaids, EW13	
EW14	NECsaids, EW14	
EW15	NECsaids, EW15	
EW16	NECsaids, EW16	
EW17	NECsaids, EW17	
EW18	NECsaids, EW18	
EW19	NECsaids, EW19	
EW2	E Wide Canyon 2	
EW20	NECsaids, EW20	
EW21	NECsaids, EW21	
EW22	NECsaids, EW22	
EW23	NECsaids, EW23	
EWATT	Kantonsschule Wattwil	
EWC	East Wide Canyon	
EW-IS	Eniwetok	
EWJHS	Al Wajh	
EWT	Watom Island	
EWUT	Wuta	
EWZ	Erewhon	
EWZT0	Triemli, ZR	
EWZT1	Frdhf. Weidikon, ZR	
EWZT2	Wettswil, ZR	
EWZT3	Uitikon, ZR	
EXAA	Alhama Almeria	
EXAD	Adra	
EXAG	Alhama Granada	
EXAGE	Algeciras	
EXAGI	Aguilas, Murcia	
EXAGR	Agron	
EXAHM	Alhama Murcia, Murcia	
EXAI	Alicante	
EXAL	Albunol	
EXAM	Almeria	
EXAO	Algodonales	
EXAR	Arenas del Rey	
EXAYA	Ayamonte	
EXBA	Badajoz	
EXBAR	Barbate	
EXBE	Becerrea'	
EXBN	Benidorm	
EXBUL	Bullas, Murcia	
EXBZ	Baza	
EXC	Excelsior	
EXCA	Cadiz	
EXCAB	Granada	
EXCBR	El Cabril	
EXCH	Chimeneas	
EXDI	Dilar	
EXED	Elda	
EXEE	El Ejido	
EXEJI	El Ejido	
EXEL	Elche	
EXES	Estepona	
EXG	Exogi	
EXGA	Gandia	
EXGRA	Granada	
EXGUA	Guardamar (Alicante)	
EXHU	Huelva	
EXHUO	Hurcal-Overa, Almera	
EXILP	La Palma	
EXJA	Jaen	
EXJIF	Jimena de la Frontera, Cdiz	
EXJU	Jumilla	
EXLO	Lorca	
EXLR	Lorqui	
EXLU	Lugo	
EXMA	Malaga	
EXMAD	Madrid	
EXMAZ	Mazarron	
EXMO	Motril	
EXMOR	Moron de la Frontera	
EXMU	Mula	
EXOR	Olula del Rio	
EXPA	Pamplona	
EXPDH	Pilar de la Horadada	
EXPTO	Acel. Puerto Lumbreras	
EXQUE	Queralbs	
EXRIP	Ripoll, Girona	
EXROQ	Roquillos	
EXSA	Sarria	
EXSEU	La Seu d"Urgell	
EXSF2	Acel. Santa Fe	
EXSG	Experiment Station	
EXTA	Tarifa	
EXTO	Torrevieja	
EXTOT	Acel. Totana	
EXTPC	Torre Pacheco	
EXVE	Vera	
EXVE2	Vera, Almera	
EXZAR	Zarcilla de Ramos, Murcia	
EY-	Ely	EY-NV
EY2	Ely	EY2NV
EY2NV	Ely	
EYAK	Cordova Ski Area	
EYCZ	Eyrewell	
EYES	Ewing Young ES, Newberg ANSS-SMO	
EYHV	Ein Yahav	
EYL	Eskiyayla	
EYMN	Ely	
EY-NV	Ely	
EYP	El Yunque	
EYUL	Yuli	
EZ5V		
EZAM	Zamans	
EZAR	Zarzadilla de Totana, Murcia	
EZC	Erzincan	
EZEK	Zmalet El Emir Abdelkader	
EZM	Erzurum	
EZN	Ezine	
EZNC	La Esperanza	
EZNE	Ezine-Canakkale	
EZPO	C.da Z Pietro	
F03A	Seaside	
F04A	Amboy	
F04D	Rainier, OR	
F05A	White Salmon	
F05D	White Salmon	
F06A	Goldendale	
F07A	Phinny Hill Vineyards, Prosser	
F08A	Pendleton	
F09A	S2 Ranch, Elgin	
F10A	Beach Ranch, Enterprise	
F11A	Grangeville	
F12A	Elk City	
F13A	Darby	
F14A	Wisdom	
F14K	Arctic Creek	
F15A	Butte	
F15K	North Star Ditch	
F16A	Kennard Place, Willow Creek	
F17A	Fitzpatrick Place, Clyde Park	
F17K	Baldwin Penninsula	
F18A	Big Timber	
F18K	Selawik	
F19A	Roth Farm, Molt	
F19K	Shaleruckik Mountain	
F20A	Billings	
F20K	Avaraart Lake	
F21A	Absaloka Mine, Hardin	
F21K	Alatna River	
F22A	Rosebud	
F22K	John River	
F23A	Volborg	
F24A	Ekalaka	
F24K	Squaw Lake	
F25A	Bowman	
F25K	Christian River	
F26A	Lodgepole	
F26K	Sheenjek River	
F27A	Lemmon	
F28A	McLaughlin	
F28M	Old Crow	
F29A	Eureka	
F30A	Leola	
F30M	Barrier River	
F31A	Hecla	
F31M	Tsiigehtchic	
F32A	Veblen	
F33A	5 Mile Ranch, Herman	
F34A	Alexandria	
F35A	Swanville	
F36A	Milaca	
F37A	Hinrichs Farm, Grantsburg	
F38A	Pierce - Schroeder Farm, Trego	
F39A	Loretta	
F40A	Park Falls	
F41A	Three Lakes	
F42A	Maple Grove Farm, Niagara	
F43A	Flat Rock, Escanaba	
F44A	Big Bay de Noc Black Bears, Cooks	
F45A	CMU Biological Station, Beaver Island	
F46A	Macinaw City Comets, Mackinaw City	
F48A	Evansville	
F49A	Sandfield	
F51A	Arnstein	
F52A	Sundridge	
F55A	Otter Lake	
F57A	Harrington	
F58A	St-Lin Laurentide	
F59A	Saint Guilaume	
F60A	Warwick	
F61A	St Evariste	
F62A	Pittston Farm, Pittston Academy Grant	
F63A	Nahmakanta, Browneville	
F64A	Sherman	
FA05	FA05	
FA06	FA06	
FA07	FA07	
FA08	FA08	
FA09	FA09	
FA1	Favara	FAI
FA10	FA10	
FA11	FA11	
FAB	Fabrichnaya	
FABR	Ouro Preto, Brazil	
FABU	Falkenberg	
FAC	Faja de Cima	
FACH	Fachingen	
FAE	Faenza	
FAEN	Faenza	
FAG	Fagaras	
FAGN	Fagnano	
FAGO	Alcalda de San Francisco Gotera	
FAGR	Fagaras	
FAHL	Forsthaus Ahlhorn	
FAHS	Feilding Agricultural High School	
FAHY	Fahy-Ls-Autrey	
FAI	Favara	
FAI02	FAICCHIO	
FAIMX	FAI	
FAIR	Fairbairn	
FAIS	Fairfield	
FAKI	Fak Fak	
FAL	Falling Springs	
FALC	Falconara Albanese	
FALK	Falkenberg	
FALL	Mountain Creek	
FALS	False Pass	
FALU	Falun	
FAM	Famagusta	
FAME	Alcaldia de San Francisco Menendez	
FAN	Fanning Island	
FANE	Correggio Fan	
FA-NV	Faultless	
FAPR	Fundacion de Amor Ceiba	
FAQ	Al Faqa, Dubai	
FAR	Faro	
FARB	Farallon Islands	
FARG	Farmington	
FARH	Faro	
FARK	Farkhor	
FARM	Veracruz	
FARO	Faro, Yukon	
FASA	Fasano	
FAT	Fatmalar	
FAU	Forcella Aurine	
FAUS	Fauske	
FAV	Fayetteville	
FAVA	Favara	
FAVR	Favara	
FAY	Fayetteville	
FAZ	Faenza	
FB03	FB03	
FB05	FB05	
FB06	FB06	
FB07	FB07	
FB08	FB08	
FB09	FB09	
FB10	FB10	
FB11	FB11	
FB2AK	Fairbanks	
FBA	Fairbanks	
FB-AK	Fairbanks	
FBAL	Fairbanks--Long Period	
FBAS	Fairbanks	
FBB	Freiburg im Breisgau	
FBC	Frobisher Bay	
FBE	Freiberg	
FBG	Trois Rivieres	
FBK	Fairbanks	
FBMT	Ferry Basin	

Code	Station Name	Other
FBN	Frobisher Bay	FRB
FBO	Farmers Butte	
FBR	Fabra	
FBT	Foumbot	
FC03	FC03	
FC03D	FC03D	
FC04	FC04	
FC05	FC05	
FC06	FC06	
FC07	FC07	
FC08	FC08	
FC09	FC09	
FC10	FC10	
FC11	FC11	
FCAB	Cabia	
FCAR	Ozark Folk Center	
FCBC	Franklin Camp	
FCC	Fort Churchill	
FCH	Farellones	
FCN	Frijoles Canyon	
FCOR	Fonte Corniale	
FCV	Fort Charlotte	
FD03	FD03	
FD04	FD04	
FD05	FD05	
FD06	FD06	
FD07	FD07	
FD08	FD08	
FD09	FD09	
FD11	FD11	
FD12	FD12	
FD14	FD14	
FD15	FD15	
FDA	Foz do Areia	
FDA4	Foz do Areia	
FDA5	Foz do Areia	
FDAF	Les Forges d'Abel	
FDAS		
FDCS	Fairlie District Council Garage	
FDCV	FORTIN DE LA CUMBRE	
FDF	Fort de France	
FDFM	Morne la Rosette, Martinique, France	
FDG1	Firdgum	
FDG2	Firdgum	
FDG3	Firdgum	
FDG4	Firdgum	
FDGR	Fonds-de-Gras	
FDKY	Freedom	
FDMO	Fiordimonte	
FDPY	Filadelfia	
FDRN	Fyodorovka	
FDS	Forni di Sopra	
FDU	Ford Ridge	
FE03	FE03	
FE04	FE04	
FE05	FE05	
FE06	FE06	
FE07	FE07	
FE08	FE08	
FE09	FE09	
FE10	FE10	
FE11	FE11	
FE12	FE12	
FE13	FE13	
FE14	FE14	
FE15	FE15	
FEA	Feather Falls	
FECT	Ferrara Citta	
FEF	Fern Forest	
FEGZ	Ferguson Road	
FEKT	Feke	
FEL	Feldberg	
FELD	Feldberg im Schwarzwald	
FEM0	CASAGLIA	
FEM1	DIAMANTINA	
FEM2	RAVALLE	
FEM3	BORGO FONDO RENO	
FEM4	SAN MARTINO	
FEM5	FERRARA	
FEM6	SANTA MARIA MADDALENA	
FEMA	Monte Fema	
FEN	Shenyang	
FENE	Fenestrelle	
FENY	Casa Vinicio Caceres	
FEO	Feodosiya	
FER	Ferndale	
FER1	Fernandina1, Punta Espinoza	
FER2	Fernandina2, Punta Mangle	
FERB	Ferrara borehole (Italy)	
FERC	Galatro	
FERN	Isla Fernandina	
FERR	Ferguson	
FERS	Ferrara-Casaglia	
FESP	Espira	
FETA	Feichten	
FETI	Fethiye-Mugla	
FETY	Fethiye	
FF02	FF02	
FF04	FF04	
FF05	FF05	
FF06	FF06	
FF07	FF07	
FF11	FF11	
FF12	FF12	
FF13	FF13	
FF14	FF14	
FF15	FF15	
FF30	FF30	
FF31	FF31	
FF32	FF32	
FF33	FF33	
FF90	FF90	
FF91	FF91	
FF92	FF92	
FF93	FF93	
FF94	FF94	
FFB1	Fuerstenfeldbruck Borehole	
FFBG	Frank Field Bay, Greenland	
FFC	Flin Flon	
FFD	Franklin Falls Dam	
FFNB	Fofonovo	
FFNT	Fontanafredda	
FG01	FG01	
FG02	FG02	
FG03	FG03	
FG04	FG04	
FG05	FG05	
FG06	FG06	
FG07	FG07	
FG08	FG08	
FG09	FG09	
FG1	Foggia	FOG
FG10	FG10	
FG11	FG11	
FG12	FG12	
FG13	FG13	
FG14	FG14	
FG16	Alotenango, Sacatepequez	
FG2	Serracapriola	
FG3	Mte Sant'Angelo	
FG4	Candela	
FG5	Orsara di Puglia	
FG6		
FG8	Yepocapa, Chimaltenango	
FGAF	Fogo	
FGALY	Al Ais	
FGG	Foggia	FOG
FGMA	Fogo	
FGMB	Fogo	
FGMS	Monte Sant'Angelo	
FGMV	Fogo	
FGO	Fuego	
FGO2	Fuego 2	
FGPP	Fogo	
FGPS	Fox Glacier Park Board Headquarters	
FGRZ	Gorizia	
FGSL	Fruska Gora	
FGTN	Flat Gap	
FGTQ	Fig Tree	
FGTT	Fogo	
FGU	Flaming Gorge	
FGV	FIGLINE VALDARDO	
FH-	Fort Sherman	FH-PM
FH02	FH02	
FH03	FH03	
FH04	FH04	
FH05	FH05	
FH06	FH06	
FH07	FH07	
FH09	FH09	
FH10	FH10	
FH11	FH11	
FH12	FH12	
FH13	FH13	
FH14	FH14	
FHBB	Fair Harbour	
FHC	Fickle Hill	
FHE	Frenchman Hills East	
FHMC	Merrill Creek	
FHO	Fitzroy Harbor	
FH-PM	Fort Sherman	
FHRB	Fair Harbour	
FHV	Haldarsvik	
FIA0	FINESS Array Site A0	FINES
FIA1	FINESS Array Site A1	
FIA2	FINESS Array Site A2	
FIA3	FINESS Array Site A3	
FIAM	Fiamignano	
FIB	Fire Island	
FIB1	FINESS Array Site B1	
FIB2	FINESS Array Site B2	
FIB3	FINESS Array Site B3	
FIB4	FINESS Array Site B4	
FIB5	FINESS Array Site B5	
FIB6	FINESS Array Site B6	
FIBO	Fila Bonilla	
FIBU	Brunna	
FIC	FICAROLO	
FIC1	FINESS Array Site C1	
FIC2	FINESS Array Site C2	
FIC3	FINESS Array Site C3	
FIC4	FINESS Array Site C4	
FIC5	FINESS Array Site C5	
FIC6	FINESS Array Site C6	
FICA	Fila Carbon	
FICH	Ethiopian Broadband Seismic Experiment	
FID	Port Fidalgo	
FIE	Fiesole	
FIER	Fieri	
FIESA	Fiescheralp	
FIG	Monte Figo	
FIGC	Figueroa Mtn.	
FIGK	Fiagdon	
FIGM	Figuig	
FIK	Fieale Koma	
FIL	Fillmore	
FILF	Fillols	
FILI	Fyli	
FIMO	Fila Mora	
FIN	Finale Ligure	
FINA	Paso Real	
FINB	Finale Ligure	
FINC	Finschhafen	
FINE	Fine	
FINES	FINESS Array Beam Reference Point	
FINN	Finn Hill Junior High School	
FINU	Finntorp	
FINV	Invillino	
FIPE	Fila de Piedra	
FIR	Firenze	
FIRM	Firavahana	
FIS	Fire Island	
FISA	Sacuragua	
FITO	Golfito	
FITX	Fitzroy Crossing	
FITZ	Fitzroy Crossing	
FIU	Minerbio Fiu	
FIU1	Fiuminata	
FIUBA	Facultad de Ingeniera (UBA)	
FIUG	Fiuggi	
FIVI	Fivizzano	
FJ01	FJ01	
FJ02	FJ02	
FJ03	FJ03	
FJ05	FJ05	
FJ06	FJ06	
FJ07	FJ07	
FJ08	FJ08	
FJ09	FJ09	
FJ11	FJ11	
FJ12	FJ12	
FJAO	Mina do Feijao, MG, Brazil	
FJDS	Franz Josef DOC	
FJIM	Fort Jim, California USA	
FK-	Franktown	FK-CO
FK04	FK04	
FK05	FK05	
FK06	FK06	
FK07	FK07	
FK08	FK08	
FK09	FK09	
FK10	FK10	
FK11	FK11	
FKAF	FKAF	
FKBC	Forrest Kerr	
FK-CO	Franktown	
FKH	Fakeheh	
FKI	Failaka Island	
FKJ	Fukue	
FKJD	Fukui	
FKK	Fukuoka	
FKMPM	Kurik	
FKO	Franklin	
FKPS	Wellington Frank Kitts Park	
FKPU	Falk	
FKS	Fukushima	
FL-	Fort Nelson	FL-BC
FL01	Flin Flon Array Site 1	
FL02	Flin Flon Array Site 2	
FL03	Flin Flon Array Site 3	
FL04	Flin Flon Array Site 4	
FL05	Flin Flon Array Site 5	
FL06	Flin Flon Array Site 6	
FL07	Flin Flon Array Site 7	
FL08	Flin Flon Array Site 8	
FL09	Flin Flon Array Site 9	
FL10	Flin Flon Array Site 10	
FL11	Flin Flon Array Site 11	
FL12	Flin Flon Array Site 12	
FL13	Flin Flon Array Site 13	
FL14	Flin Flon Array Site 14	
FL15	Flin Flon Array Site 15	
FL16	Flin Flon Array Site 16	
FL17	Flin Flon Array Site 17	
FL18	Flin Flon Array Site 18	
FL2	Flat Top 2	
FL31	Flin Flon Array Site 31	
FLA	Flat	
FLACH	Flaach	
FLAF	Flassans-sur-Issole	
FLAG	Flagstaff	
FLAM	Flamenco Island	
FLAR	Flin Flon Array Beam Reference Point	
FLAS	Fullerton Airport	
FLAUT	fort du Flaut	
FL-BC	Fort Nelson	
FLCF	Florentin-la-Capelle	
FLDM	Woodland Mills	
FLDN	Fort Liard	
FLE	Fletcher	FLET
FLET	Fletcher	
FLF1	Flavio Alfaro-Manabi	
FLFL	Florida	
FLFR	Flavio Alfaro	
FLG	Flagstaff	
FLGR	Fulga PH	
FLIN	Helmstadt-Bargen-Flinsbach	
FLK	Falkland Islands	
FLKY	Flemingsburg	
FLLB	Fletcher Lake Big Creek, BC	
FLN	La Foliniere	
FLNA	Florina, UoWM	
FLO	Florissant	
FLO1	Florina	
FLO2	Florina	
FLOC	Florencia	
FLOF	La Fare-les-Oliviers - 13037	
FLOM	Florida	
FLOR	Flores Is	
FLOS	Flostrand	
FLP	Featherly Pass	
FLPC	Foligno Protezione Civile Reg.	
FLPT	Flippin	
FLR	Fall River	
FLRS	Floresville	
FLS	Las Flores	
FLSC	Flash Two Peak	
FLT	Fleetwood	
FLTG	Flechtingen	
FLU	Fool Peak	
FLV	Fish Lake Valley	
FLW	Foulwind	
FLWY	Flagg Ranch	
FLX	Saipan	
FLYU	Flymyra	
FM-	Fillmore	FM-UT
FMA	Fort MacArthur	
FMC	Four Mile Canyon	
FMF	Francis Marion National Forest	
FMKY	Fulgham	
FMNT	Fiuminata	
FMON	Montouss	
FMP	Fort Macarthur Park, San Pedro	
FMPA	Franklin College	
FMT	Funeral Mountains	
FMTX	Flower Mountain	
FM-UT	Fillmore	
FMW	Mount Fremont	
FN-	Franklin	FN-WV
FN01A	FN01A	
FN01C	FN01C	
FN02C	FN02C	
FN03A	FN03A	
FN03C	FN03C	
FN04C	FN04C	
FN05A	FN05A	
FN05C	FN05C	
FN06A	FN06A	
FN06C	FN06C	
FN07A	FN07A	
FN07C	FN07C	
FN08A	FN08A	
FN08C	FN08C	
FN09A	FN09A	
FN09C	FN09C	
FN10A	FN10A	
FN10C	FN10C	
FN11C	FN11C	
FN12A	FN12A	
FN12C	FN12C	
FN13C	FN13C	
FN14A	FN14A	
FN14C	FN14C	
FN16A	FN16A	
FN16C	FN16C	
FN17C	FN17C	
FN18A	FN18A	
FN18C	FN18C	
FN19A	FN19A	
FN19C	FN19C	
FNA	Florina	
FNA1	PAEK, Florina	
FNA2	Kato Kleines, Florina	
FNA3	Meliti, Florina	
FNA4	Neo Chorio, Florina	
FNA5	Ydroussa, Florina	
FNBB	Fort Nelson	
FNBC	Fort Nelson	
FNC	Finlay Fork	
FNDO	Fernando de Noronha	
FNEB	Nbias	
FNF	Frandzen Federal Estate	
FNG	Fond-Bernard	
FNLG	Finale Ligure	
FNN	Franconia Notch	
FNO	Franklin	
FNSB	Fort Nelson	
FNT	Hobart	
FNVD	Fontana Vidola	
FN-WV	Franklin	
FO-	Fort Stockton	FO-TX
FOA	Forni Avoltri	
FOC	Focsani	
FOC6	Focsani	
FOCC	FOLIGNO CARABINIERI	
FOCM	Foa	
FODE	Fodele	
FOE	Fourare	
FOEL	Foel Wylfa	
FOG	Foggia	
FOGG	FOGGIA	
FOL	Foligno	
FOM	Fmeque, Cundinamarca	
FOMA	Nahampoana Res	
FON	Fontana	
FONT	Fontmartina	
FONW	Fourpeaked Station 2	
FOO	Floro	
FOPC	Foligno Prot Civ	
FOPK	Fourpeaked Volcano	
FOPO	AfricaArray/PSU - ZP	
FOR	Fordham	
FOR1	Fortaleza - CE	
FOR28	FORIO	
FORC	Fortuna	
FORD	Fort Ord Natural Reserve, California	
FORE	Grumento Nova	
FORN	Fornelli	
FORQ	Forestville	
FORR	Forrest	
FORT	Forrest	
FORTB	Fort Beaufort,Amathole	
FORU	Forsmark	
FOS	FOLIGNO SEGGIO	
FOSD	Fosdinovo	
FOSS	Fourpeaked Station 1	
FOSV	Fossato di Vico	
FOT	Fontinhas	
FOTD	Funaoka	
FO-TX	Fort Stockton	
FOUF	Fouillouse	
FOURG	Fourg	
FOX	Fox Creek	
FOXC	Fox Airport	
FOXO	Fox Lake Wildlife Area	
FOZ	Fox Glacier	
FP03	FP03	
FP05	FP05	
FPAL	Fort Paine	
FPK		
FPMT	Flesher Pass	
FPN	Fairview Peak	
FPN1	Fairview Park	
FPOZ	Pozzuolo	
FPPC	Fogo--Pe de Pico	
FPRM	Premariacco	
FPST	Four Points	
FPTT	Spring Hill	
FPU	Francis Peak	
FPW	Fields Point	
FR-	Forsyth	FR-MA
FR05	FR05	
FR27	Wilpena Pound	
FRA	Furnas	
FRA1	Furnas	
FRAE	Isola Capo Rizzuto	
FRAS	Faraa	
FRASC	Frascineto (CS)	
FRAU	Fraureuth	
FRAZ	Fraserburg	
FRB	Frobisher Bay	
FRBT	Francisco Beltro	
FRC	Federal Ranch	
FRCO	San Francisco	
FRD	Ford Ranch, Anza	
FRDH	FRDH	
FRDS	Ferdows	
FRE	Fresno	
FRE8	Fregona	
FRED	Fred Haigh	
FREG	Fregona	
FREI	Freiburg, Hauptfriedhof	
FRES	Fresagrandinaria	
FREU	Neufra-Freudenweiler	
FRF	La Foret Royale	
FRG	Fergana	
FRGC	Fargo Canyon	
FRGS	Fruska Gora	
FRI	Friant	

Code	*Station Name*	*Other*
FRIE	Friedrichshafen	
FRIJ	El Hiral	
FRIM	Kepong	
FRIO	Frio	
FRIS	Frissel Point	
FRJS	Jabal Farasan	
FRK	Frink	
FRKB	FARRUKHABAD	
FRM	Flat River	
FRM1	Rumorosa	
FRM2	Fiarum2 CEA PB3	
FRMA	Ierapetra Chania	
FR-MA	Forsyth	
FRN	Fernie	
FRNC1	Faz. Rancharia - MS	
FRNF	Fournols	
FRNO	Fornovo	
FRNY	Flat Rock	
FRO	Froya	
FROB	Froelich Ranch	
FRON	Frontone	
FROS	Frosini	
FRP	Fremont Peak	
FRR	Firariana	
FRS	Fauresmith	
FRS1	Farsala	
FRSC	Frascati	
FRSO	Firsovo	
FRSS	Farasan al Kabir	
FRSS2	Sair Farasan Island	
FRT	Faratahi	
FRTB	Fartura	
FRTM	Forrest	
FRTX	Fuller Ranch	
FRU	Bishkek	
FRU1	Bishkek	
FRV	Farmville	
FRZ	Fierza	
FRZN	Firenze Novoli	
FS-	Flagstaff	FS-AZ
FS01B	FS01B	
FS02B	FS02B	
FS02D	FS02D	
FS03	Four Seasons	
FS03B	FS03B	
FS04B	FS04B	
FS04D	FS04D	
FS05B	FS05B	
FS06B	FS06B	
FS06D	FS06D	
FS07B	FS07B	
FS07D	FS07D	
FS08B	FS08B	
FS08D	FS08D	
FS09B	FS09B	
FS09D	FS09D	
FS1	Fosdinovo	FSI
FS10B	FS10B	
FS10D	FS10D	
FS11B	FS11B	
FS11D	FS11D	
FS12B	FS12B	
FS12D	FS12D	
FS13B	FS13B	
FS13D	FS13D	
FS14B	FS14B	
FS14D	FS14D	
FS15B	FS15B	
FS15D	FS15D	
FS16B	FS16B	
FS16D	FS16D	
FS17B	FS17B	
FS17D	FS17D	
FS18B	FS18B	
FS19B	FS19B	
FS20B	FS20B	
FS41D	FS41D	
FS42D	FS42D	
FS43D	FS43D	
FS44D	FS44D	
FS45D	FS45D	
FSA	Cafayete	
FS-AZ	Flagstaff	
FSB	Fort Saint James	
FSC	Fuscaldo	
FSCY	Frank Sound, Grand Cayman	
FSD	Sut uroy	
FSGC	Sgonico	
FSH	Hochheid	
FSHM	Fish Creek	
FSHN	Troy, FSHM	
FSI	Fosdinovo	
FSJ	Fort Saint James	
FSJB	Fort St James	
FSK	Fiskardo	
FSMA	Fort Smith	
FSP	False Pass	
FSR	Penalolen	
FSS	FOSSOMBRONE	
FSSB	Fossombrone	
FST	Fort Simpson	
FST1	Fort Simpson	
FSTK	Fistikli	
FSU	Fish Springs	
FSV	Svinoy	
FSW	Finsterwolde	
FSW1	Finsterwolde 1	
FSW2	Finsterwolde 2	
FSW3	Finsterwolde 3	
FSW4	Finsterwolde 4	
FSW5	Finsterwolde 5	
FT-	Fort McLeod	FT-BC
FTA	Fortuna	
FTB	Fintinele	
FT-BC	Fort McLeod	
FTC	Fort Tejon	
FTIG	Fresnillo de Trujano	
FTM	Fortuna Mine	
FTMN	Fort Manro	
FTO	Torshavn	
FTPS	Featherston Primary School	
FTR	Fort Ross	
FTV	Front Royal	
FTW	Fairmont	
FTZM	Fitzroy Falls	
FUB	Fube	
FUG	Fuego 3	
FUJ	Fuji-kawa	
FUK	Fukui	
FUL	Funchal	
FULB	Fuli	
FULC	Fullerton	
FULLY	Reservoir Mazembroz, Wallis, VS	
FULR		
FUM	Fumarole	
FUN	Funatsu	
FUN1	UHE Funil - MG	
FUNA	Funafuti	
FUNV	FUNVISIS	
FUORN	Ofenpass-Fuorn	
FUQ	Fuquene	
FUR	Furstenfeldbruck	
FURA	Afar, FUR	
FURC	Furnace Creek,Death Valley	
FURD	Furusato	
FURI	Furi	
FUSB	Fushanzhiwuyuanguanzhi	
FUSE	Fusea	
FUSIO	Fusio	
FUSS	Fushou	
FUT	Futatsui	
FUTA	Futaleuf	
FUTB	Futbol	
FUTU	Fugatoga	
FVA	Vagar	
FVAF	FVAF	
FVI	Forni Avoltri	
FVM	French Village	
FVZ	Fivizzano	
FW01	Dallas Executive Airport	
FW02	City of Haslet	
FW03	Perrin-Whitt Elementary School	
FW04	University of Dallas	
FW05	UT at Dallas	
FW06	Azle	
FW07	Weatherford	
FW09	Farmers Branch	
FW11	UT at Arlington	
FW12	Venus	
FW13	Cleburne	
FW14	Alvarado	
FW15	Texas Christian University	
FW16	Waxahatchie	
FWS	Furtwangen	
FWV	Forest Hill	
FWVZ	Far West T-bar	
FX01	Ortigia (SR)	
FX02	Melilli (SR)	
FX03	Lentini	
FX04	Catania Playa (CT)	
FX06	Misterbianco CT	
FX07	Acicastello(CT)	
FX08	Riposto (CT)	
FX09	Giardini Naxos (ME)	
FX1	Attu Island--Fox	
FX10	S. Teresa di Riva (ME)	
FX11	S.Stefano Medio (ME)	
FX12	Cataforio (RC)	
FX13	Montebello Jonico - Saline (RC)	
FX14	Bova Marina (RC)	
FXBS	Foxton Beach School	
FXWY	Fox Creek	
FY1	Fort Yukon	
FY2	Fort Yukon	
FY3	Fort Yukon	
FY4	Fort Yukon	
FY5	Fort Yukon	
FYD	Fayid	
FYLH	Fyli, Attica	
FYM	Al Fayyum	
FYTO	Fytoko, Volos	
FYU	Fort Yukon	
FZE	FIRENZE SEDE REGIONE	
FZND	Mina de Fazendo, MG	
G01D	G01D	
G01S	Las Pataguas	
G02B	G02B	
G02D	G02D	
G02S	El Valle	
G03A	Yamhill	
G03A7	G03A7	
G03B	G03B	
G03D	McMinnville, OR	
G03D7	G03D7	
G03S	Los Ranchones	
G04A	Mulino	
G04B	G04B	
G04D	G04D	
G04S	G04S	
G05A	Wamic	
G05B	G05B	
G05D	Wamic, OR	
G05D7	G05D7	
G05S	G05S	
G06A	Carlson Farm, Grass Valley	
G06S	Barrancas	
G07A	Ruggs Ranch, Heppner	
G07S	G07S	
G08A	Pilot Rock	
G08S	Santa Teresa de Quinhue	
G09A	Cove	
G09B	G09B	
G09D	G09D	
G09S	Tricao	
G0LD	Chrisopigi ,Chania, Crete Is.	
G10A	Bishop Farm, Joseph	
G10B	G10B	
G10D	G10D	
G10S	G10S	
G11A	Walters Elk Ranch, Riggins	
G11B	G11B	
G11D	G11D	
G11S	G11S	
G12A	Big Creek, Yellow Pine	
G12B	G12B	
G12S	G12S	
G13A	Cobalt	
G13B	G13B	
G13D	G13D	
G13S	Cancha de Quillay	
G14A	Jackson	
G14S	G14S	
G15A	Dillon	
G15K	Niukluk	
G15S	G15S	
G16A	Moss Hill, Ennis	
G16K	Koyuk River	
G16S	G16S	
G17A	Pierce Place, Pray	
G17B	G17B	
G17D	G17D	
G17K	Kiwalik Mountain	
G17S	G17S	
G18A	Lazy EL Ranch, Roscoe	
G18B	G18B	
G18D	G18D	
G18K	Tagagawik	
G19B	G19B	
G19D	G19D	
G19K	Purcell Mountains	
G20A	Bridger	
G20B	G20B	
G20D	G20D	
G21A	Lodge Grass	
G21B	G21B	
G21D	G21D	
G21K	Allakaket	
G22A	Birney	
G22B	G22B	
G22D	G22D	
G22K	Bettles	
G23A	Biddle	
G23K	Bananza Creek	
G24A	Alzada	
G24K	Hadweenzic River	
G25A	Newell	
G25B	G25B	
G25D	G25D	
G25K	Bearman Lake	
G26A	Maurine	
G26B	G26B	
G26D	G26D	
G26K	Porcupine River	
G27A	Dupree	
G27B	G27B	
G27D	G27D	
G27K	Doyon Strip	
G28A	Parade	
G28B	G28B	
G29A	Hoven	
G29B	G29B	
G29D	G29D	
G29M	Pine Creek	
G30A	Faulkton	
G30A7	G30A7	
G30B	G30B	
G30M	tAoh Zraii Njik	
G31A	Conde	
G31M	Satah River	
G32A	Webster	
G33A	Ortonville	
G33B	G33B	
G33D	G33D	
G34A	Benson	
G34B	G34B	
G34D	G34D	
G35A	Watkins	
G35B	G35B	
G35D	G35D	
G36A	St. Michael	
G36B2	G36B2	
G36D	G36D	
G37B	G37B	
G37D	G37D	
G38A	Ridgeland	
G39A	Holcombe	
G40A	Rib Lake	
G41A	Antigo	
G42A	Mountain	
G43A	Wallace	
G45A	Suttons Bay	
G46A	Petoskey	
G47A	Hillman	
G50S	G50S	
G53A	Haliburton	
G54A	Lake Saint Peter	
G55A	Calabogie	
G57A	Newington	
G58A	Ormstown	
G59A	Clarenceville	
G60A	Masonville	
G61A	St-Isidore-de-Clifton	
G62A	West of Eustis	
G63A	Kingsbury	
G64A	Maxfield	
G65A	Princeton	
GA0S	Tapihue Array	
GA1S	Tapihue Array	
GA2S	Tapihue Array	
GA2TX	Grand Saline	
GA3S	Tapihue Array	
GA3TX	Grand Saline	
GA4S	Tapihue Array	
GAAQ	Galiote	
GAB	Gabbs	
GABEL	GABELA	
GABY	Abymes - Guadeloupe	
GABZ	Array-Uganda/Tanzania zania - ZP	
GAC	Glen Almond	
GACA	Gaecheon	
GACM	Adobe Creek	
GACO	Gateway	
GADA	Gvkgeada	
GADL	Gadlja	
GAEA	Gareloi East	
GAF	Gafsa	
GAFM	Point Arena AFB	
GAG1	Gagliole	
GAGG	Gaggia	
GAI	Gainesville	
GAIG	Gaighat	
GAKI	Gareloi-Kavalga I.	
GAL	Galerazamba	
GAL1	Galloway	
GALA	Gala	
GALAA	Gareloi Lava Pt.	
GALB	Galbreath Wildlands Preserve SSU	
GALC	Galileo	
GALE	Galera	
GALF	Gagliano Castelferrato	
GALG	Neuhausen (Enzkreis), Galgenberg	
GALN	Gameti Lake	
GALR		
GALT	Gorno-Altaysk, Altai Republic, Russia	
GAM	Garm	GAR
GAM01	Gampel, Insieme Werkstaetten	
GAMB	Gambell	
GAMB1	Gamboa	
GAMI	Galela, Maluku	
GAMM	Gam	
GAN	Gretna	
GANDO	Gandoh	
GANE	Gareloi Northeast	
GANF	Ganagobie	
GANJ	Ganja	
GANO	Gareloi North	
GAP	Garmisch-Partenkirchen	
GAPA	Garmisch-Partenkirchen	
GAPB	Gapyeong	
GAR	Garm	
GARC	Garzon, Huila	
GARD	Gard house	
GARG	Garrygala	
GARGN	Gargnano BS	
GARI	Garurganga	
GARIG	Gari	
GARM	Arbuckle	
GARN	Garrison	
GARO	Casa de Milton Calero-El Garrochal	
GARS	Garessio	
GAS	Alder Springs	
GAS1	Astara - Iran	
GASB	Alder Springs	
GASE	Gashen	
GASG	Gaspe, Quebec	
GASW	Gareloi Southwest	
GATE	Gambatesa	
GATR	Gnd/Air Tx Cntr	
GA-TX	Grand Saline	
GAU	Ngau Island	
GAUS	Gevers	
GAV	Glen Avon	
GAVD	Gavdhos	
GAVE	Gavelli	
GAVI	Passo Gaver BS	
GAWA	Igawa	
GAX1	Gleen Almond Test #1	
GAX2	Gleen Almond Test #2	
GAXM	Alexander Valley	
GAY	Galvasay	
GAYA	Gaya	
GAZ	Gaziantep	
GAZI	Gazipasa	
GAZK	Gazikoy-TEKIRDAG	
GAZZ	Gazzo Veronese (Italy)	
GB01	Guatemala OBS 1	
GB02	Guatemala Basin O.B.S. 2	
GB03	Guatemala Basin O.B.S. 3	
GB04	Guatemala Basin O.B.S. 4	
GB05	Guatemala Basin O.B.S. 5	
GB06	Guatemala Basin O.B.S. 6	
GB07	Guatemala Basin O.B.S. 7	
GB08	Guatemala Basin O.B.S. 8	
GB0S	GB0S	
GB1A	Borinquen Arriba	
GB1S	GB Array	
GB2S	GB Array	
GB3S	GB Array	
GB4S	GB Array	
GBA	Gauribidanur Array	
GBAM	Glenbawn Dam	
GBAN	Gaibana	
GBAS	Gorenja Brezovica	
GBB	Gable Butte	
GBBM	Glenbawn Bedrock	
GBC	Guantanamo Bay	
GBD	Granbergs Dal	
GBDM	Big Darby	
GBF	Grand Ballon	
GBG	Greensboro	
GBGM	Boggs Mountain	
GBI	Big Grassy Butte	
GBJI	Gringsing, Jawa Tengah	
GBL	Gable Mountain	
GBLCO	Glass Buttes, Lake County, Oregon	
GBLN	Grizzly Bear Lake	
GBM	Granite Butte	
GBMB	r-Guayllabamba-Cuerpo uerpo de Bomberos	
GBMF	Grand Be	
GBMM	Baldy Mountain	
GBMT	Granite Butte, Montana	
GBN	Guysborough	
GBNC	Greensboro	
GB-NM	Gasbuggy	
GBO	Fort Gibson	
GBOM	Black Oak	
GBOS	Grotte di Bossea	
GBP	GUBBIO PIANA	
GBPR	Guanica, Bosque Seco, PR	
GBR	Grand-Bara	
GBRA	Afar, GBR	
GBRS	Gornja Briga	
GBS	Qobustan	
GBS2	Las Lilas	
GBS3	Finca Las Imgenes	
GBSL	GUBBIO PARCHEGGIO SANTA LUCIA	
GBT	Gilbert	
GBTAS	Patras	
GBTN	Greenback	
GBV	Green Bank	
GBY	Granite Bay	
GBZ	Great Barrier	
GBZE	Gebze	
GBZT	Gebze	
GC-	Glacier Peak	GC-WA

Code	*Station Name*	*Other*
GC02	Grant County #2	
GC1	Gold Cst Hrdrock	
GC1S	Gold Coast 1 Soft	
GC1T	GC Array	
GC2	Gold Coast Softrock	
GC2F	Gold Coast 2 Fill	
GC2S	GC Array	
GC3S	GC Array	
GC4S	GC Array	
GC5S	GC Array	
GCA	Glen Canyon	
GCAM	Gzelamlı	
GCAZ	Grand Canyon	
GCBM	Chamberlain Ridge	
GCC	Granite Creek	
GCD	Castle Douglas	
GCG	Guatemala City	
GCG4	OSOP	
GCIS	Gornji Cirnik	
GCK	Clark Valley	
GCKB	Clark Valley	
GCL	Cushendall	
GCM	Grand Cayman	
GCMM	Cobb Mountain	
GCMP	Grenada, Carriacou, Mt. Pleasant	
GCMT	Greycliff	
GCPN	Pointe noire	
GCPR	Guaynabo City	
GCR	Grayling Creek	
GCRM	Castle Rock Springs	
GCSA	Galena City School	
GCSM	Cold Spring Mountain	
GCSZ	Gaunt Creek Borehole	
GCUF	Volcan Galeras	
GCVM	Cloverdale	
GCW	Grand Coulee	
GC-WA	Glacier Peak	
GCWM	Cow Mountain	
GCY	Glen Cove	
GD-	Grundy	GD-VA
GD1S	Gladstone Soft Rock	
GDAL	Greendale	
GDB	GEDABAY	
GDCM	Dry Creek	
GDD	Ghadhada	
GDDB	Gadeokdo	
GDDT	Gundogdu	
GDFR	Guardialfiera	
GDH	Godhavn	
GDHS	Morne Mazeau, Deshaies	
GDL2	Guadalupe Mountain	
GDLC		
GDLE	Glaisdale, N Yorkshire Moors	
GDLN	Gardenia Lake, NWT	
GDLP	Chapalita	
GDM	Grand'Maison	
GDOT	Gadot	
GDR	Gold River	
GDRO	Guardaramiro	
GDSD	La Dsirade Island	
GDU01	Guandu, BA	
GD-VA	Grundy	
GDXM	Geysers	
GDZ	Gediz	
GE-	Globe	GE-AZ
GEA	GELA	
GEA0	GERESS Array Site A0	
GEA1	GERESS Array Site A1	
GEA2	GERESS Array Site A2	
GEA3	GERESS Array Site A3	
GEAM	CSIRO Animal Health Laboratory	
GE-AZ	Globe	
GEB	Gebze	
GEB1	GERESS Array Site B1	
GEB2	GERESS Array Site B2	
GEB3	GERESS Array Site B3	
GEB4	GERESS Array Site B4	
GEB5	GERESS Array Site B5	
GEC1	GERESS Array Site C1	
GEC2	GERESS Array Site C2	GERES
GEC2A	GERESS ARRAY SITE C2A	
GEC2B	GERESS ARRAY SITE C2B	
GEC3	GERESS Array Site C3	
GEC4	GERESS Array Site C4	
GEC5	GERESS Array Site C5	
GEC6	GERESS Array Site C6	
GEC7	GERESS Array Site C7	
GECU	Ecuador Network	
GED	Gedeh	
GED1	GERESS Array Site D1	
GED2	GERESS Array Site D2	
GED3	GERESS Array Site D3	
GED4	GERESS Array Site D4	
GED5	GERESS Array Site D5	
GED6	GERESS Array Site D6	
GED7	GERESS Array Site D7	
GED8	GERESS Array Site D8	
GED9	GERESS Array Site D9	
GEDE	Greenville	
GEDT	Gedikpinar	
GEDZ	Gediz	
GEE	Geehi	
GEES	Gees Lookout	
GEG	Gegechkori	
GEIDO	Obergeißendorf	
GEIT	Geita	
GEJB	geojin	
GEJI	Gedangan, Jawa Timur	
GEL	GELA CABINA ENEL	
GELF	Grande-Etoile	
GELI	Tayfur-Gelibolu	
GELR	Gelenjik	
GEM	Giv'at Ha'Em	
GEML	Gemlik-BURSA	
GEMT	Gemlik	
GEN	Genova	
GENF	Genat	
GENH	Genta-Ana	
GENI	Genyem	
GENL	Genova University	
GENO	Geno	
GENY	Geneseo	
GEO	Georgetown	
GEOMX	Hidalgo, GEO	
GEOST	Geostar deep sea observatory	
GEPF	Gemona	
GERA	Gera	
GERES	GERESS Array Beam Reference Point	
GERM	Germantown	
GERV	Cosenza	
GESM	Geumpang, Aceh	
GET	Gonen	
GETA	Geita	
GEVA	Gevas	
GEWE	Ethiopia-Afar Geoscientific Lithospheric Experiment, Gewan	
GEXS	Deakin University, Geelong	
GEYT	Alibeck	
GEYV	SAKARYA_Geyve	
GEZ	Gezan	
GEZAN	Gezan	
GF-	Goldfield	GF-NV
GFA	Gafsa	
GFC	Funks Creek	
GFM	Grandfather Mountain	
GFN	Grafton	
GFNU	Grise Fiord	
GF-NV	Goldfield	
GFP	Griffith Park	
GFTM	Plant 15--Mercuryville	
GFW	Glenfield	
GG-	Grafenberg Ar.	GG-GR
GGC	Guia, Gran Canaria	
GGDA	Gangdong	
GGDB	Gageodo	
GGERF	Dalmarnock	
GGF	Granges-Gontardes	
GGGA	Ganggu	
GG-GR	Grafenberg	
GGJI	Grobogan, Jawa Tengah	
GGJM	Gabus, Jawa Tengah	
GGLM	Glenview	
GGN	Saint George	
GGP	Refugio Guagua Pichincha	
GGPC	Guagua Pichincha Codigem	
GGPM	Geyser Peak	
GGPT	Toaza - Volcan Guagua Pichincha	
GGR	Gangavaram	
GGUM	Gualala	
GGV	Gabriel Gonzalez Videla	
GHA	Glashutten	
GHAJ	Ghor Haditha	
GHAN	Ghanteswor	
GHAR	Gharyan	
GHARM	Gharm	
GHASH	GHASH	
GHAT	Ghardimaou	
GHB	Gharebagh	
GHBP	Garcia Hernandez, Bohol	
GHC	Gold Hill	
GHCM	House Creek	
GHGM	Hogback Ridge	
GHHS	Gisborne Hospital Hill	
GHI	Gilbert Hill	
GHIB	Gold Hill	
GHIR	Ghir-Karzin	
GHLM	Highland Springs	
GHMGH	GHMGH	
GHMI	Gane Barat, Maluku Utara	
GHMM	Hull Mountain	
GH-MS	Greenville	
GHNB	Nanoose	
GHO	Glory Hole Creek	
GHOM	Hamilton Opening	
GHOP	Grasshopper Mountain, Humboldt Redwoods SP, CA	
GHRG	Ghorjomi	
GHRH	Al-Ghuwayriyah	
GHRR		
GHS	Gilroy Hot Springs	
GHSS	Government House	
GHV	Goochland	
GHVM	High Valley	
GHVR	GHOM	
GHW	Garrison Hill	
GHWR	Ruwais	
GHZJ	Ghuzeima	
GI-	Glendive	GI-MA
GIA	Geophysical Institute, University of Alaska	
GIA1	Giannitsa	
GIB	Gibilmanna	
GIBL	Gibalbin	
GID	Gilleleje	
GIDA	Gidamilanda	
GIDAE	Health Center, Gidami	
GIDE	GILAN DEYLAMAN	
GIE	Galapagos Islands	
GIF	Gifu	
GIF1	Ein Ya'akov	
GIF2	Ega'aton	
GIF4	Deir al-Asad	
GIF5	Pelekh	
GIF6	Kishor	
GIF7	Amirim	
GIF8	Amirim	
GIF9	Parod	
GIFN	Gifford Fjord, Baffin Island, Nunavut	
GIGA	Gigye	
GIGS	Gran Sasso	
GIL	Gilmore Creek	
GILB	Gilboa	
GILD	Guildford	
GILDE	Gildeskaal	
GILR	Gillis	
GILT	SW Tenn Gill Cnt	
GIM	North Isle of Man	
GI-MA	Glendive	
GIMEL	St. Georges / Gimel	
GIMI	Gimigliano	
GIN	Stromboli-G	
GINA	Giannouli	
GINR	Hospital, Ginir	
GIO	San Gregorio	
GIOM	San Giorgio Morgeto	
GIP	Gileppe	
GIRA	Gill Ranch, Sloughhouse, USA	
GIRC	Giron, Santander	
GIRL	Giralia	
GIRR	Girov	
GIS	Gissar	
GISR	Galati	
GISS	Gisborne 2ZG	
GIUL	Giuliano Di Roma	
GIUM	Giurgiulesti	
GIVF	Givet	
GIZ	Gizo	
GIZE	Crotone	
GIZF	Gizeux - Indre-et-Loire - Centre-Val de Loire - France	
GIZZ	Gizzeria	
GJC	Grand Junction	
GJIK	Gjilan	
GJRN	Ganjari	
GKA	Goroka	
GKBS	Kaiti Beach	
GKC	Gold King Creek	
GKD	Gaurikund	
GKJM	Gedangsari, Yogyakarta	
GKN	Gorkha	
GKP	Gorka Klasztorna	
GKP2	Kyungpook national university	
GKPR	Gorakhpur	
GL-	Garland	GL-TX
GL1R	Gelendzhik	
GL2	New Goldendale	
GLA	Glamis	
GLAD	Gladstone	
GLADS	Gladstone Plant	
GLAN	Grotte du Lazaret, Nice	
GLAT	Glass	
GLB	Gilahina Butte	
GLBA	Clilabad	
GLC	Glacier Island	
GLCR	Glaciar	
GLD	Golden	
GLDR	Gladkovskiy	
GLE	Glenmuick	
GLEI	Burg Gleichenstein	
GLEN	Glenside	
GLFJ	Aqaba	
GLG1	Gilan-e-Gharb (Kermanshah, Iran)	
GLGT	Gilgit	
GLH	Golan-Tel Qazir	
GLHS	Glhisar (BURDUR)	
GLI	Glacier Island	
GLK	Glacier Lake	
GLKZ	Green Lake	
GLL	Jalalah	
GLM	Gilmore Dome	GLN
GLMI	Grayling	
GLMM	Glenmaggie	
GLMO	Le Moule	
GLN	Gilmore Dome	
GLNM	Glennies Creek Dam	
GLNS	Guglionesi	
GLNY	Glenorchy	
GLO	Gloucester	
GLOK	Waldbreitbach	
GLOS	29 km south-west of Seddon	
GLOV	Gloversville	
GLP	Golpazari	GPA
GLR	Groom Lake Road	
GLS	Giles	
GLSP	General Luna, Surigao del Norte	
GLST	Glass	
GLT	Gallatin	
GLT4	Galati	
GL-TX	Garland	
GLVR	Golovnino	
GLWN	Glow Worm Lake	
GM-	Guantanamo	GM-CU
GMA	Granite Mountain	
GMAL	Guarumal, Veraguas	
GMAR	Gemona, Istituto Magrini Marchetti	
GMARE	Gumare	
GMB	Gambarie	
GMB1	S. Stefano d'Aspromonte - Gambarie	
GMC	Macagua	
GMCM	McLaughlin Ranch	
GM-CU	Guantanamo	
GMDB	Geomundo	
GMFS	Greymouth Fire Station	
GMG	Grassy Mountain	
GMHB	Gimhwa	
GMI	Garnes Mountain	
GMJI	Gumukmas	
GMK	Mull of Kintyre	
GMKM	Mount Konoctai	
GMLD	Gumuldur	
GMM	Mts of Mourne	
GMMM	Mayacamas Mountains	
GMN	Gold Mountain	
GMNA	Gemona	
GMNA0	Geumnam	
GMO	Grizzlie Mountain	
GMOM	Moffitt Ranch	
GMPB	Gimpo	
GMR	Groom Range	
GMRC	Granite Mountains Research Center, Essex	
GMRK	Grmije	
GMRZ	Gyumri	
GMS01	Gemsstock NE-Grat, Andermatt, UR	
GMTN	Garret Mountain	
GMU	Granite Mountain	
GMV	El Manteco	
GMVM	Gustavo A Madero	
GMW	Gold Mountain	
GN-	Gnome	GN-NM
GNAM	Navarro Ridge	
GNAR	Gosnell	
GNBR	Gunib	
GNEF	Genouille - 86104 - Vienne - France	
GNEO	Boca de Quibijan	
GNF	Goodnow Flow	
GNG	Grange	
GNG1	Mina Gongo Soco 1, MG - Brazil	
GNG2	Mina Gongo Soco 2, MG - Brazil	
GNG3	Mina Gongo Soco 3, MG - Brazil	
GNG4	Mina Gongo Soco 4	
GNG6	Mina Gongo Soco 6	
GNGI	Gangi	
GNGN	Gingin	
GNI	Garni	
GNK	Ganki	
GNKF	Gonabad	
GNKN	Gaynekanda	
GNL	Ganaly	
GNM	Golden	
GNN	Gunnerudssatern	
GN-NM	Gnome	
GNNR	Gan-Ner	
GNO	Genoa	
GNOC	Gnowangerup Cupla Days	
GNOP	Guihulngan City	
GNOT	Gnowangerup Town	
GNOU	Gnosjoe	
GNOW	Gnowangerup	
GNQP	Gen. Nakar, Quezon	
GNR	GANAUR	
GNT	Gentilly	
GNU	Giano nell'Umbria	
GNV	Genova	
GNW	Green Mountain	
GNYT	Guneyli	
GNZ	Gisborne	
GNZP	Gunzipadi	
GO-	Gordon	GO-NB
GO01	Chusmiza	
GO02	Mina Guanaco	
GO03	Copiapo	
GO04	Tololo Observatory, Vicuna	
GO05	Hualane	
GO06	Curarrehue	
GO07	Milladeo Hill, Quellon	
GO08	Villa O'Higgins	
GO09	Cerro Castillo	
GO10	Punta Arenas	
GOA	Goa	
GOAD	Gkeada, anakkale	
GOAT	Goat Mountain	
GOB	Galiano Island	
GOBA	Gobu	
GOBAX	Ethiopian Broadband Seismic Experiment	
GOBB	Galiano Island	
GOBN	Gobabis	
GOBY	Gobbelet	
GOC	Griffith Observatory	
GOCB	Gochang-gun	
GOCS	Kraljevo Serbia	
GODA	Kyodong	
GODC	Gore District Council	
GODD	Goddelau	
GODS	Godley Drive	
GOET	Gøttrup	
GOF	Gofitskoye	
GOFR	Gofitskoye	
GOG	Mont Gurugu	
GOGA	Godfrey	
GOGM	North Grampians	
GOGS	Gogaran	
GOIL	Rosebud	
GOKA	anakkale-Gkeada	
GOKC	Gokceada-Canakkale	
GOKD	Ankara-Kalecik-Gokdere	
GOKT	Kean, Edirne	
GOL	Golden	
GOLA	Golan Heights South - Mevo Hama	
GOLB	Goldborn	
GOLD	Kubaka	
GOLE	Gle, Ardahan	
GOLF	Saipan	
GOLH	Golhisar	
GOLM	Goulmima	
GOLR		
GOLS	Golise	
GOLV	Golondrinas	
GOM	Goma	
GOMA	Golmarmara-Manisa	
GOMAT		
GOMP	Gloria, Oriental Mindoro	
GOMU	GeErMu	
GON	Gongen	
GO-NB	Gordon	
GOND	University, Gondar	
GONE	Gonen-Balikesir	
GONZ	Gonzanam	
GOO	Goomalling	
GOPC	GO Pecny, Ondrejov, Czech Republic	
GOR	Gori	
GOR1	Gortina	
GOR2	Laase	
GOR3	Gartow	
GOR5	Dangenstorf	
GOR6	Seerau	
GORA	Gorafe	
GORB	Goryachinsk	
GORC	Green Oak Ranch	
GORD	Gordes-Manisa	
GORE	GORE	
GOREE	District Admin Building, Gore	
GORG	Isola Di Gorgona	
GORR	Gorreto	
GORS	Gorjuse	
GORT1	Trebel	
GOS1	Gosan-ri	
GOS2	Gosang-Q330s	
GOSH	HaGoshrim	
GOT	Goteborg	
GOTF	Gouttieres - 27292 - Eure - Normandie	
GOTU	Gotland	
GOU	Gould Hall	
GOU1	Goumenissa	
GOV	Govalcot	

Code	*Station Name*	*Other*
GOVS	Living Springs Camp Governors Bay	
GOWB	Gowlland Point	
GOY	Gornyy	
GOYR	Goytkh	
GOZ	Gozaisho	
GP-	Grand Rapids	GP-MN
GP03	Hacienda Santa Mara 3	
GP14	Hacienda Santa Mara 14	
GP77	Hacienda Santa Mara 77	
GPA	Golpazari	
GPD	Greenpond	
GPDO	Montville, Ohio	
GPMM	Pine Mountain	
GP-MN	Grand Rapids	
GPNO	Pichincha	
GPNR	Gulpinar-Canakkale	
GPO	China Lake	
GPS1	Guardaparques de Rincn de la Vieja	
GPS2	Hotel Rincn de la Vieja Lodge	
GPS3	Bodega del ICE en Pailas	
GPSM	Geumpang, Aceh	
GPTB	Petit Bourg	
GPUR	Gopapur,Odisha	
GPV	Virgin Gorda Peak	
GPW	Glacier Peak	
GPY	Gippayama	
GPZ	Gebbies Pass	
GQP	Guinayangan	
GR01	Neo Petritsi, Serres, Greece	
GR02	Drama, Greece	
GR03	Xanthi, Greece	
GR05	Maronia-Sapes, Petrota, Greece	
GR06	Mavrokklisi	
GR07	Mesimeri, Greece	
GR10	Kriovrisi, Ptolemaida, Greece	
GR11	Veroia, Greece	
GR12	Katachas, Greece	
GR13	Stavros, Greece	
GR14	Doliana, Greece	
GR15	Vouvousa, Greece	
GR17	Meteora, Kalambaka, Greece	
GR1C	Gorgona, Isla Gorgona	
GR1TX	Grit	
GR2	Grit	GR2TX
GR20	Plastira Lake, Thessaly, Greece	
GR21	Thetidio, Greece	
GR22	Monastery Panagia Xenia, Sourpi, Greece	
GR23	Rovies, Greece	
GR24	Mousounitsa, Greece	
GR26	Sagmata Monastery, Theva, Greece	
GR27	Kouvelles, Euboea, Greece	
GR28	Kastro Killlinis, Greece	
GR29	Doxa, Greece	
GR2C	Griffith Obs. 2	
GR2TX	Grit	
GR30	Achladokambos, Greece	
GR31	Kephalas, Greece	
GR32	Kyparissi, Greece	
GRA	Graz	
GRA1	Grafenberg Array	GRF
GRA2	Grafenberg Array	
GRA3	Grafenberg Array	
GRA4	Grafenberg Array	
GRAC	Grapevine Ranger Station, Death Valley	
GRAF	Camdeboo National Park, Graaff-Reinet, Eastern Cape	
GRAI	Grandview Point	
GRAM	Graiana	
GRAN	Grantham	
GRAS	Estacion GRAS, Guanacaste	
GRAU	Graesoe	
GRB	Gharib	
GRB1	Grafenberg Array	
GRB2	Grafenberg Array	
GRB3	Grafenberg Array	
GRB4	Grafenberg Array	
GRB5	Grafenberg Array	
GRBF	Gourbit	
GRBR	Gravata	
GRBT	Greenback	
GRC	Garchy	
GRC1	Grafenberg Array	
GRC2	Grafenberg Array	
GRC3	Grafenberg Array	
GRC4	Grafenberg Array	
GRCC	Green River Community College BBO	
GRCI	Grant Creek	
GRCU	Cariacou	
GRD	Gardner Farm	
GRD1	Great Renaissance Dam	
GRDB	Briano	
GRDE	Gerede-Bolu	
GRDI	Las Guardias	
GRDM	Monte Maddalena	
GRDQ	Quinzano	
GRDS	Las Granadillas	
GRDT	Desenzano Tresine	
GRE	Grenada	
GRE3	Grevena	
GREC	Grecia	
GRER		
GRESR	Susuman	
GRF	Grafenberg Array	
GRFF	Grenada Fort Frederick, Mt. Wheldale, St. Georges	
GRFL	Gerfalco	
GRFO	Grafenberg	
GRFT	Grofit	
GRG	Griva	
GRG3	Giurgiu	
GRGC	Isla de Gorgona	
GRGR	Grenville	
GRH	Grahamstown	
GRHM	Grahamstown, Eastern Cape	
GRHS	Sauteurs	
GRI	Girifalco	
GRI*	Grit	GR1TX
GRIB	Gribbell Island, BC, CAN	
GRIC	Isle de Caille	
GRIMS	Grimsel Gerstenegg	
GRIN	Grindle Hills	
GRIS	Grisolia	
GRISU	ISU Giurgiu	
GRJ	Gorje	
GRJI	Gresik	
GRK	Goroka	
GRK1	Goroka	
GRL	Gorelyy	
GRLA	Grayling	
GRLR	Livada	
GRM	Grahamstown	
GRM2	AfricaArray - AF, GRM	
GRMC	Gramalote, Santander	
GRMI	Germi	
GRMM	Round Mountain	
GRN	Grenoble	
GRN*	Grenoble	
GRNB	Grenville Island	
GRNC	Granite Creek	
GRNL	Grandola	
GRNM	Rancho Navarro	
GRNN	Granada	
GRNR	Gornyy	
GRO	Groznyy	
GROC	Groznyy	
GROG	Isola di Gorgona	
GROM	Round Mountain	
GRON	Grota Negra	
GROR	Grindstone Mountain	
GROS	Grobnik	
GRP	Granite Pass	
GRPK	Grizzly Peak, McCloud, CA USA	
GRPR	Tuman	
GRQ	Grand Remous	
GRR	Gorron	
GRRI	Grays Lake	
GRRZ	Galatos Road	
GRS	Goris	
GRSN	GIRESUNGRSN	
GRSS	Sisters	
GRT	Gratio	
GRTK	Grand Turk	
GRTLG	Ghanzi	
GRTM	Round Top Mountain	
GRTR	Gornotajezhnoje	
GRTS	Gornotaezhnoe	
GRUE	Grumento Nova	
GRUS	Gruza	
GRV	Greenville	
GRVA	Griva	
GRVM	Greaves Creek	
GRVS	Gornovodnoe	
GRW	Mount Saint Catherine	
GRX	Grover	
GRY	Greymouth	
GRYON	Gryon	
GRYR	Gornoye	
GRZ	Great Barrier Island	
GRZ1	Mausoleum Waldhaus Greiz	
GRZA	Playa Garza	
GS-	Grantsville	GS-MD
GSA	Caltech--GSA	
GSAR	Gosnell High Sch.	
GSC	Goldstone, Barstow	
GSCK	Great Sitkin Cape Kiugilak	
GSCL	Gusciola	
GSCY	Girl Scout Camp	
GSF02	Oberaar-Guttannen, Baeregghuette, BE	
GSF03	Obergoms, Fort Galenhuetten Furkastrasse, VS	
GSG	GRAN SASSO GALLERIA	
GSGM	Seigler Mountain	
GSH	Grosshau	
GSI	Gunungsitoli	
GSIG	Igitkin Island	
GSLR	Lupeni	
GSM	Grass Mountain	
GSMB	CHITILA	
GS-MD	Grantsville	
GSMM	Socrates Mine	
GSMY	Great Sitkin Middle Yoke	
GSN	GIOIA SANNITICA	
GSNA	Gyeongjusannae	
GSNM	Snow Mountain	
GSP	Gladstone Stream	
GSPH	General Santos City	
GSQ	Grosses Roches	
GSR	Geological Survey, Reston	
GSS	Grassano	
GSSM	Skaggs Springs	SKG
GSSP	Great Sitkin Saddle Point	
GSTB	Goldstream Park	
GSTD	Great Sitkin Triple Divide	
GSTR	Great Sitkin Teapot Rock	
GSU	Gyeongsang national university	
GSUT	Gun Site Peak	
GSV	Goldstream Valley	
GSVT	Goldstream Valley	
GSZ	Glacier Shelter	
GT-	Galeton	GT-PA
GT2	Goat Mountain	
GTA	Gaotai	
GTA2	Gaotai	
GTBA	Embalse de Guadalteba	
GTBY	Guantanamo Bay	
GTC	Three Chop Ridge	
GTD	Georgetown	
GTFE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
GTH2	Gythion	
GTIG	Gomez Farias	
GTK	Tadong	
GTM	Goat Mountain	
GTMO	Guantanamo	
GTMR	Gotvand	
GTN	Gotemba	
GTO	Geraldton	
GTOI	Gorontalo	
GTOO	Geraldton	
GTP	General Santos	
GT-PA	Galeton	
GTR	Jabal at Tayr	
GTRI	Great Rift	
GTS	Gentvishi	
GTSB	Trough Springs near Fouts Spring, CA USA	
GTSI	Gunung Toar, Riau	
GTSM	Trough Springs	
GTT	Gottingen	
GTTG	Gottingen	
GTTN	Green Top	
GTU	Guttu	
GTV	Cerro Toribio	
GTWN	Georgetown Playfield ANSS-SMO	
GUA	Guam	
GUA01	Guaratinga, BA	
GUA2	El Vergel	
GUA25	GUARDIA DEI LOMBARDI	
GUAB	Guayabo de Bagaces	
GUAC	Guacamaya	
GUAI	GUAI	
GUAL	Guallil	
GUAL3	Gualaca, Chiriqui	
GUAM	Guam	
GUAMO	Guam	
GUAN	Valle de Guanape	
GUAR	Guarcino	
GUAY	Guayacanes	
GUB	Guba	
GUBA	Police Station, Guba	
GUBL	Police Station, Gubleck	
GUD	Guadarrama	
GUDA	Gudauri	
GUDE	Ethiopian Broadband Seismic Experiment	
GUDG	Gudauri	
GUEC	Guerrero, Norte de Santander	
GUEF	Guhenno - 56071 - Morbihan - Bretagne - France	
GUGU	Guguan	
GUI	Guimar	
GUIA	Guia de Isora, Tenerife	
GUIM	Jordan	
GUIO	Estacion GUIO Guanacaste	
GUIR	Guiratinga	
GUIV	Guiria	
GUJV	Colegio Julio Verne	
GUL	Gulkana	
GULA	Gulagac	
GULE	Gulek	
GULF	Gulfidan-Ladik(Samsun)	
GULI	GuiLin	
GULN	MERSIN_Gulnar	
GULT	Gulveren	
GULW	Guler Mountain	
GUM	Guadalajara	
GUM2	Guadalajara 2	
GUMA	Gualdo di Macerata	
GUMB	Gumboot Lake, Dunsmuir, CA USA	
GUMI	Mixco	
GUMO	Guam	
GUMR	Gum-Bashi	
GUMT	Gumushane	
GUN	Gumba	
GUNA	GUNA	
GUNB	GUNB	
GUND	Gundaroo	
GUNE	Kayseri	
GUNV	Guanoco	
GUNZ	Gunzen	
GUO	Oaxaca	
GUPE	Guardia Perticara	
GUR	Goura	
GURO	Guroymak-BITLIS	
GURV	El Guri	
GUSE	Guasayan	
GUSP	San Jose Pinula	
GUT	Gutenstein	
GUV	Guri	
GUV1	Guri Network	
GUV2	Guri Network	
GUV3	Guri Network	
GUV4	Guri Network	
GUV5	Guri Network	
GUVC	San Jose del Guaviare	
GUVIX	Guadalupe Victoria	
GUWA	GUWAHATI	
GUWB	Gunwi	
GUY2C	Guyana, Caldas	
GUYB	Guaymas	
GUYC	Guyana, Colombia	
GUZE	Guzelce-Buyukcekmece-stanbul	
GUZR	Guzeripl'	
GV-	Grapevine	GV-TX
GVA	Apache Junction	
GVD	Gavdhos	
GVDA	Garner Valley	
GVDS	Gavdos	
GVI	Bet Guvrin	
GVIE	Glendoe	
GVL	Greenvale	
GVMR	Giv`at Hamore	
GVMRI	Ein Harod, GVMR	
GVN	Grapevine	
GVR	Green Valley Road	
GVRC	Garvey Reservoir	
GVS	Graniteville	
GV-TX	Grapevine	
GVV	Valley View	
GVZ	Greta Valley South Island, New Zealand	
GWBC	Aumenau	
GWBD	Espenschied/Hessen	
GWBE	Wiesbaden	
GWBF	Romrod	
GWBO	Ockenheim	
GWC	Great Whale River	
GWDE	Greenwood	
GWF	Grand Wintersberg	
GWH	Guwahati	
GWJ	Greenwich	
GWKM	Walker Ridge	
GWR	Great Whale R.	PBQ
GWRM	Wonder Ranch	
GWTS	Gisborne Waipaoa Water Treatment Plant	
GWV	Greenwater Valley	
GWY	Greenwater Valley	
GWYB	Gwangyang	
GY-	Gaylord	GY-MN
GYA	Guiyang	
GYA0	ALIBECK ARRAY SITE A0	
GYA0B	ALIBECK ARRAY SITE A0B	
GYA1	ALIBECK ARRAY SITE A1	
GYA2	ALIBECK ARRAY SITE A2	
GYA3	ALIBECK ARRAY SITE A3	
GYB1	ALIBECK ARRAY SITE B1	
GYB2	ALIBECK ARRAY SITE B2	
GYB3	ALIBECK ARRAY SITE B3	
GYB4	ALIBECK ARRAY SITE B4	
GYB5	ALIBECK ARRAY SITE B5	
GYC2	GYE Cami Cisne II	
GYE1	Ecuador-Trinitaria-Transelectric	
GYE2	dor-Guayaquil-Estadio dio Unamuno	
GYE3	dor-Guayaquil-Kennedy edy Transelectric	
GYEB	Cerro Blanco	
GYGU	GYE Interagua Guasmos	
GYKA	GYE Cami Kartodromo	
GYL	Gyula	
GYM	Guaymas	
GY-MN	Gaylord	
GYMZ	Gyumri	
GYN	Goynuk	
GYO	Guyot Hills	
GYPL	GYE Consorcio Puerto Limpio	
GYPS	GYE Interagua Pantanos Secos	
GYZU	GYE Cami Zumar	
GZH	Guangzhou	
GZH2	Guangzhou	
GZI	Ganzirri	
GZIER	Gzier-et-Fontenelay	
GZKV	Gazikoy-Tekirdag	
GZL	Zheleznogorsk city	
GZLA	Gyzyletrek	
GZLN	Zheleznogorsk	
GZLY	Gazly	
GZN	Ground Zero	
GZ-OH	Galion	
GZR	Gura Zlata	
GZS	Gozaisho	GOZ
GZT	Gaziantep	
GZTT	Gaziantep	
GZU	Grizzly Peak	
H01W1	Cape Leeuwin Hydroacoustic Site W1	
H01W2	Cape Leeuwin Hydroacoustic Site W2	
H01W3	Cape Leeuwin Hydroacoustic Site W3	
H02A	Toledo	
H02N1	VAN INLET T-PHASE SITE N1	
H02S1	DAWSON INLET T-PHASE SITE S1	
H02S2	DAWSON INLET T-PHASE SITE S2	
H03A	Soap Creek Ranch, Albany	
H03N1	Juan Fernandez Island Hydroacoustic Site N1	
H03N2	Juan Fernandez Island Hydroacoustic Site N2	
H03N3	Juan Fernandez Island Hydroacoustic Site N3	
H03S1	Juan Fernandez Island Hydroacoustic Site S1	
H03S2	Juan Fernandez Island Hydroacoustic Site S2	
H03S3	Juan Fernandez Island Hydroacoustic Site S3	
H04A	Detroit Lake	
H04D	Lebanon	
H04N1	CROZET ISLANDS HYDROACOUSTIC SITE N1	
H04N2	CROZET ISLANDS HYDROACOUSTIC SITE N2	
H04N3	CROZET ISLANDS HYDROACOUSTIC SITE N3	
H04S1	CROZET ISLANDS HYDROACOUSTIC SITE S1	
H04S2	CROZET ISLANDS HYDROACOUSTIC SITE S2	
H04S3	CROZET ISLANDS HYDROACOUSTIC SITE S3	
H05A	Madras	
H05N1	Guadeloupe/Martinique T-Phase Site N1	
H05S1	Guadeloupe/Martinique T-Phase Site S1	
H06A	Lindquist Farm, Mitchell	
H06E		
H06E1	SOCORRO T-PHASE SITE E1	
H06N	Isla Socorro	
H06N1	SOCORRO T-PHASE SITE N1	
H06S		
H06S1	SOCORRO T	
H07A	Lands Inn, Kimberly	
H07N1	FLORES T-PHASE SITE N1	

Code	Station Name	Other
H07S1	FLORES T-PHASE SITE S1	
H08A	Prairie City	
H08N1	Diego Garcia HYDROACOUSTIC SITE N1	
H08N2	Diego Garcia HYDROACOUSTIC SITE N2	
H08N3	Diego Garcia HYDROACOUSTIC SITE N3	
H08S1	Diego Garcia HYDROACOUSTIC SITE S1	
H08S2	Diego Garcia HYDROACOUSTIC SITE S2	
H08S3	Diego Garcia HYDROACOUSTIC SITE S3	
H09A	Durkee	
H09N1	TRISTAN DA CUNHA T-PHASE SITE N1	
H09W1	TRISTAN DA CUNHA T-PHASE SITE W1	
H10A	Noah's Angus Ranch, Cambridge	
H10N1	ASCENSION HYDROACOUSTIC SITE N1	
H10N2	ASCENSION HYDROACOUSTIC SITE N2	
H10N3	ASCENSION HYDROACOUSTIC SITE N3	
H10S1	ASCENSION HYDROACOUSTIC SITE S1	
H10S2	ASCENSION HYDROACOUSTIC SITE S2	
H10S3	ASCENSION HYDROACOUSTIC SITE S3	
H11A	Donnelly	
H11N1	WAKE ISLAND Hydroacoustic Site N1	
H11N2	WAKE ISLAND Hydroacoustic Site N2	
H11N3	WAKE ISLAND Hydroacoustic Site N3	
H11S1	WAKE ISLAND Hydroacoustic Site S1	
H11S2	WAKE ISLAND Hydroacoustic Site S2	
H11S3	WAKE ISLAND Hydroacoustic Site S3	
H12A	Diamond D Ranch, Stanley	
H13A	Challis	
H14A	Leadore	
H15A	Lima	
H16A	Russell Place, West Yellowstone	
H16K	Elim	
H17A	Grant Village	
H17K	Granite Mountain	
H18A	Shoshone NF, Cody	
H18K	Honhosa River	
H19A	Powell	
H19K	Roundabout Mountain	
H20A	Greybull	
H20K	Anotleneega Mountain	
H21A	Big Horn, Sheridan	
H21K	Melozitna River	
H22A	Clearmont	
H22K	Ishtalitna Creek	
H23A	Clabaugh Cattle Company, Gillette	
H23K	Yukon River	
H24A	Dirks Ranch, Alva	
H24K	Noodor Dome	
H25A	Fruitdale	
H25K	Birch Creek	
H25L	Birch Creek	
H26A	Fairpoint	
H27A	Howes	
H27K	Steamboat Mountain	
H28A	Mission Ridge	
H29A	Onida	
H29M	Whitestone	
H2O	Hawaii-2 Observatory	
H2OWA	Water	
H31A	Wolsey	
H31M	Peel River	
H32A	Carlson Farm, Erwin	
H33A	Prehn Over North, Clear Lake	
H34A	Spellman Lake, Hanley Falls	
H35A	Sunnyside Ranch, Fairfax	
H36A	Jessenland, Henderson	
H37A	Dierke Farm, Cannon Falls	
H38A	Maiden Rock	
H39A	Augusta	
H40A	Chili	
H41A	Junction City	
H42A	Shiocton	
H43A	Windswept, Luxemburg	
H45A	Beulah	
H46A	Fife Lake	
H47A	Mio	
H48A	Harrisville	
H52A	Wyevale	
H53A	Bobcaygeon	
H55A	Tweed	
H56A	Elgin	
H57A	Richville	
H58A	Gabriels	
H59A	Cadyville	
H60A	Morristown	
H61A	Lyndonville	
H62A	Milan	
H63A	New Sharon	
H64A	Troy	
H65A	Eastbrook	
H66A	Whiting	
HAB	Haboro	
HABR	Khabarovsk	
HAC	Hachinohe	
HACA	Hapcheon Acc Borehole	
HACH	Hacho	
HACI	Hacifakili, Akdagmaden, YOZGAT	
HACJ	Hachinohe 2	
HAD	Hassan Addkhil	
HADB		
HADO	DHOFAR2 - YR	
HADR		
HAE	Alders End	
HAF	Haifa	
HAFB	Hill Air Force Base, Hill AFB, UT, USA	
HAFS	Harihari Fire Station	
HAG	Hague Volcano	
HAGA	Augusta	
HAGD	Aghdareh	
HAGI	HAGI	
HAGN	Mount Hagen	
HAGS	Hagol	
HAH	Hahryggur	
HAI	Haiwee	
HAIA	Hail	
HAIL	Harrisburg (Southeastern Illinois College)	
HAIS	HAIS	
HAJJ	Hajjah	
HAJR	Hajar	
HAK	Hakodate	
HAKB	Hakai Institute, Calvert Island	
HAKJ	Hakodate 2	
HAKT	HAKKARI	
HAKY	Hadley Quad	
HAL	Halifax	
HALB	Hallimjungang-ro	
HALE	Berhale	
HALET		
HALK	Hakmana	
HALL	Halswell School	
HALM	Halim	
HALMT	Hadabat Al-Mahri - temporary	
HALS	Hales Grove, CA	
HALT	Halls	
HALTI	Haltingen (BS)	
HAM	Hamburg	
HAM3	Hamburg/Geomatikum	
HAM4	Hamburger Sternwarte	
HAMA	Kahama	
HAMB	Hamyang	
HAMD	Hammershus, Denmark	
HAMF	Hammerfest	
HAMIK	Hmikon, Dlikerfeld, LU	
HAMM	Hamman Mousa	
HAMO	Hamaker Mountain	
HAMT	Eilat	
HAN	Hanford	
HANB	Haenam	
HANI	Diyarbakir_Hani	
HANM	anlıurfa/Hilvan/Hanmaara	
HANN	Hanwell	
HANO	Al Hamad	
HANT	Hania	
HAO	Harrison Substation	
HAON	Okahao	
HAPI	Koulo, Foa Island	
HAPS	Han Pijesak,BIH	
HAPY	Happy Camp Mtn, Modoc National Forest, Modoc City CA USA	
HAQS	Haql	
HAR	Hartford	
HAR1	Harban	
HARA	HARA	
HARD	Hardivillers-en-Vexin	
HARE	Harare	
HARE2	AfricaArray - AF, HARE	
HARI	Harich	
HARN	Harre	
HARO	School, Haroo	
HARP	HAARP	
HARPO	Harpoot	
HARR	Harsova	
HART	Harbor Island ANSS-SMO	
HARTU	Esme	
HARU	Harads	
HARZ	Haroharo	
HAS	Hastings	
HASA	Hatay-Hassa-Hacılar	
HASLI	Hasliberg/Brienz	
HASN	Hasanabad, Azerbaijan	
HASO	DHOFAR2 - YR	
HASS	Wahat al Ahsa'	
HAST	Hastings Reserve	
HASTF	Alhafirah	
HASU	Hassela	
HAT	Hattorf	
HATA	Hacienda Tamarindo	
HATC	Hat Creek Radio Observatory, Hat Creek	
HATD	Hatta, Dubai	
HATH	Hata	
HATHI	Halema`uma`u Trail	
HATI	Hayti	
HATIL	Hatillo	
HATJ	Hateruma jima	
HATM	Rives	
HATO	Hato, Curacao	
HATOM	Hato Mayor del Rey	
HATZ	Hinemaiaia	
HAU	Haudompre	
HAUIG	Caf Hygge Rechberg	
HAV	Havilah	
HAVA	Habana	
HAVC	Havirov	
HAVD	Havdata, Cephalonia Island, Greece	
HAVE	Haverstraw	
HAVL	Avola	
HAVS	Havelock	
HAVZ	Havza	
HAW	Hawthorne Fire Tower	
HAWA	Hanford	
HAWA0	Hwawon	
HAWB	Hwaseong-si	
HAWK	Haweek	
HAWT	Hathaway	
HAY	Hayfield	
HAYA	Volcan Irazu	
HAYD	Hayden	
HAYO	DHOFAR2 - YR	
HAYW	Haystack Fork	
HAZ	Te Kaha	
HAZM	Anzar Road	ANZ
HAZOR	Hazorchashma	
HB-	Hobart (Okla)	HB-OK
HBA	Halley Bay	
HBAR	Harrisburg	
HBAZ	Herne Bay Borehole	
HBC	Horseshoe Bay	
HBD	Hovd	
HBDB	Hayseed and Buckwheat Dairy Farm	
HBDM	Khovd city	
HBF	Harts Bluff	
HBH	HawaiianBeaches	
HBHS	Hamilton Boys High School	
HBL2	Bonnylands	
HBM	Hobart Mills	
HBMT	Mount Humbug	
HBNS	Bani Suef	
HBO	Huckleberry Mountain	
HB-OK	Hobart	
HBR	Haibara	
HBRG	Burj al `Arab	
HBSP	Bosco Santo Pietro	
HBST	Basata	
HBT	Hobart Mills	
HBTM	San Juan Bautista	
HBTS	Hafar Al Batin	
HBV	Harrisonburg	
HBV2	Hoa Binh	
HBVL	Hebbronville	
HBVN	Hoa-Binh	
HBVT	Hinesburg	
HBW	Humming Bird West	
HBZ	Hicks Bay	
HC1P	summerside station 1	
HC2P	summerside station 2	
HC3P	summerside station 3	
HC4P	summerside station 4	
HCA		
HCAL	Hospital general Docente Calderon, Sierra hermosa, Calderon, Quito, Ecuador	
HCAM	Canada Road	CDC
HCAT		
HCB	Kahramanmara	
HCBM	Chamberlain	CBC
HCC	Holy Cross	
HCDS	Hastings Civil Defence Headquarters	
HCG	Craig Goch	
HCI	Hatchie Coon Island	
HCK	Huntoon Valley	
HCNY	Howe Caverns	
HCO	Huanuco	
HCOM	Corn Cob Canyon	
HCPM	Crevison Peak	
HCR	Hot Creek Range	
HCRL	Carlentini	
HCRM	Chase Ranch	CSR
HCU	Horse Canyon	
HCY	Herceg Novi	
HCZM	Cordoza Dairy	
HD-	Howard	HD-PA
HDA	Harding Lake	
HDAN	Heda	
HDAR	W Memph W Sta	
HDB	Hidalgo Marine Base	
HDBT	Hernando Brdge	
HDBU	High School, Hidabu Tobi	
HDC	Heredia	
HDC2	Heredia 2	
HDC3	Heredia 3	
HDC4	Heredia 4	
HDC5	Heredia 5	
HDFA	Hospital de la Familia	
HDG	Hidalgo Mountain	
HDG10	Mitchell Dam	
HDH	Heidenheim-Charlottenhoehle	
HDHB	Dhahab	
HDI	Ejido Heroes de la Independencia	
HDIL	Hopedale	
HDK	Hidaka	
HDK1	Dakhla	
HDK2	Wahat Dakhilah	
HDLM	Dillon Ranch	DIL
HDM	Haddam	
HDMB	Hadim	
HDNS	Had-Ness	
HD-PA	Howard	
HDQ	Headquarters	
HDR	Hadrut	
HDU	Hyde Park	
HDW	Hoodsport	
HDWS	Haast DOC Workshop	
HE-	Hempstead	HE-TX
HEA	Headley	
HEB	Heber	
HEBO	Mount Hebo	
HEC	Hector,Ludlow	
HED	Hedekas	
HEDA	hauido	
HEDF	Idfu	
HEDN	Heda	
HEE	Heerlen	
HEF	Hetta	
HEH	HeiHe	
HEI	Heidelberg (Koenigstuhl)	
HEID	Heidelberg, Weststadt	
HEIN	Heilbronn	
HEKM	Malatya_Hekimhani	
HEL	Helsinki	
HEL1	Helsinki	
HEL2	Helsinki	
HEL3	Helsinki	
HEL4	Helsinki	
HEL5	Espoo, Suvisaaristo	
HELC	Santa Helena	
HELE	Santa Helena	
HELF	Helfaut	
HELL	Mitchell Peak, Miramonte	
HELM	Helmeringhausen	
HEME	Heredia, Mercedes	
HEMU	Hemsoen	
HEN	Hengchun	
HENM	Henderson Mound	
HENT	Hendek	
HER	Hermanus	
HER1	Herakleio	
HER2	Herakleio	
HER3	Herakleio	
HERB	Hercules	
HERG	Gazi, Herakleio	
HERM	Elkhorn Road	
HERN	Volcan Telica	
HERO	Ethiopian Broadband Seismic Experiment	
HERR	Herculane	
HES	Velbert-Hespertal	
HET	Houston--Electro-Tech	
HE-TX	Hempstead	
HEX	Exmoor	
HEXM	Hexham	
HFA0	Hagfors New Array Site A0	
HFA1	Hagfors New Array Site A1	
HFA2	Hagfors New Array Site A2	
HFA3	Hagfors New Array Site A3	
HFB1	Hagfors New Array Site B1	
HFB2	Hagfors New Array Site B2	
HFB3	Hagfors New Array Site B3	
HFB4	Hagfors New Array Site B4	
HFB5	Hagfors New Array Site B5	
HFC2	Hagfors New Array Site C2	
HFEM	San Felipe	SFL
HFHM	Flint Hills	
HFPM	Fremont Peak	FRP
HFRF	Wahat Farafirah	
HFRN	Hoarfrost River	
HFS	Hagfors	
HFSA1	Hagfors Array Site A1	
HFSB1	Hagfors Array Site B1	
HFSB2	Hagfors Array Site B2	
HFSB3	Hagfors Array Site B3	
HFSB4	Hagfors Array Site B4	
HFSB5	Hagfors Array Site B5	
HFSC1	Hagfors Array Site C1	
HFSC2	Hagfors Array Site C2	
HFSU	Holladay Fire Station, Holladay, Utah	
HG1B	Mitchell Dam	
HG3B	Hotspring	
HG4B	Hotspring	
HGA	Collinsville	
HGB	Hanford Gable Butte	
HGDB	Hongdo	
HGH	Gray Hill	
HGHA	Hamedan- Ghayesh	
HGJ	Hongo	
HGM	Mexicali	
HGN	Heimansgroeve	
HGP	Huxley Gorge	
HGPB	Parks Canada Compound	
HGSB	Sid's House	
HGSD	Ruisui	
HGSM	Gilroy Springs	GHS
HGTCO	Madrid Canyon Road, Trinidad	
HGTTJ	Hospital Gral. Tijuana	
HGVB	Ha Giang	
HGVO	Hagersville	
HGWM	Gilroy West	
HGY1	Higuey	
HH-	Hannah	HH-ND
HH2	Hannah	HH2ND
HH2ND	Hannah	
HHAG	Hagoal	
HHAI	Hells Half Acre	
HHAR	Hobbs	
HHC	Hu-ho-hao-te	
HHCT	Rutherford	
HHH	Horse Heaven Hills	
HHI	Harmony Heights	
HHM	Hungry Horse	
HH-ND	Hannah	
HHP	Hogget Hill	
HHR	Hinohara	
HHRG	Al Ghardaqah	
HHS	Hurricane	
HHSS	Hillmorton High School	
HHSZ	Highcliff Hill	
HHT	Hurricane Hollow	
HHU	Hamhung	
HHWY	High Hoyland	
HIA	Hailar	
HIA0	HILR ARRAY SITE A0	
HIA1	HILR ARRAY SITE A1	
HIA2	HILR ARRAY SITE A2	
HIA3	HILR ARRAY SITE A3	
HIAB	HILR ARRAY SITE AB	
HIB1	HILR ARRAY SITE B1	
HIB2	HILR ARRAY SITE B2	
HIB3	HILR ARRAY SITE B3	
HIB4	HILR ARRAY SITE B4	
HIB5	HILR ARRAY SITE B5	
HIBB	HILR ARRAY SITE BB	
HIBS	Hutt International Boys School	
HIC	Hidaka-Cho	
HICC	Highline Community College ANSS-SMO	
HICK	Hickman	
HID	Hamer Butte	
HIDR	Higuey Centro	
HIER	Hierbabuena	
HIG	Hawaii Institute of Geophysics	
HII	Heard Island	
HIK	Hikone	
HIKD	Hikinohira	
HIL	Hilo	
HIL01	Al Amaaer	
HIL02	Al Hulayfah	

Code	*Station Name*	*Other*
HIL03	Ash Shuqayq	
HIL04	Ash Shaalaniyah	
HILA	High Level	
HILE	Hile	
HILG	Hillesheim	
HILR	Hailar Array Beam Reference Point	
HILS	Ha'il	
HIM	Himeji	
HIMA	Himara	
HIN	Hinchinbrook Island	
HINF	Hinteralfeld	
HINO	Hinckley Reservation	
HINZ	Hinze Dam	
HIR	Hiroshima	
HIR1	Hiroshima	
HIRJ	Hiroshima 2	
HIRN	Ethiopian Broadband Seismic Experiment	
HIS	Hisarcik	
HISA	Bilecik-Osmaneli-Hisarcık	
HITJ	Hittiya	
HITZ	Hingarae	
HIYU	Hiyu Mountain	
HIZ	Hauiti	
HIZO	HIZO	
HJA	Humahuaca	
HJAMX	Ejido Choropo, HJA	
HJGM	San Juan Grade	
HJH	Honjo	
HJJ	Hachijo jima	
HJO	Hjoernedal	
HJSM	John Smith Road	
HJU	Haeju	
HJY	Honjo	HJH
HK-	Hawk Springs	HK-WY
HKAT	Jabal Katrina	
HKB	Herkenbosch	
HKBG	Chalcis Bride	
HKC	Hong Kong Observatory	
HKCD	Cape D'Aguilar	
HKER	Hawker	
HKFR	Khafra	
HKI	Fushiki	
HKJ	Hokoriku	
HKL	Haleakala	
HKLI	Keung Shan	
HKLK	Luk Keng	
HKLM	Lead Mine Pass	
HKM	Hinckley	
HKN	Hawks Nest	
HKNB	Havelock Quarry	
HKNS	Hadbat Hakran	
HKOY	Hamitkoy-Ladik(Samsun)	
HKP	Hidden Lake	
HKPS	Hong Kong Po Shan	
HKR	Hakkari	
HKRM	Kincaid Ranch	
HKSL	Siu Lam	
HKT	Hockley	
HKWD	Heukewalde	
HK-WY	Hawk Springs	
HKZM	Kohzaman	
HL-	Hailey	HL-ID
HL2	Hailey	HL2ID
HL2ID	Hailey	
HLA	Hall's Lagoon	
HLBJ	Hallabat	
HLBN	Haleban Array Beam Reference Point	
HLD	Halaksitan	
HLE	Halle	
HLFA	HLFA	
HLG	Helgoland	
HLGA	Haflong	
HLGC	Holguin	
HLH	Cerro de Hule	
HLID	Hailey	
HL-ID	Hailey	
HLIG	Huajuapan de Leon	
HLIO	Hill Island	
HLJ	Hailstone	
HLK	Haleakala	
HLKK	Cayce	
HLL	Cape Hallett	
HLLC	North Hollywood	
HLLM	Hickman	
HLM	Helmville	
HLM1	Long Mynd	
HLN	Hualilan	
HLNC	Highland	
HLNI	Lentini	
HLP	Hilina Pali	
HLPM	Lions Peak	
HLR	Highland Ranch	
HLRZ	Highlands Station	
HLS		
HLSB	Harrison Lake South	
HLT	Holt	
HLTM	Lone Tree Road	LTR
HLUZ	Hospital Gineco Obsttrico Luz Elena Arismendi, Guamani, Quito, Ecuador	
HLW	Helwan	
HLWAN	ENDC	
HLX	Hole	
HLZ	Helez	
HM-	Hundred Mile H.	HM-BC
HMA	Khanty-Mansiysk	
HMAD	Nubian desert	
HMAT	Matruh	
HMB	Hamburg	
HMBC	Humberstone	
HM-BC	100 Mile House	
HMC	Holland Mills	
HMCS	Hokitika Medical Centre	
HMCY	Holy Mount Cemetery	
HMD	Hamada	
HMDC	Modica	
HMDM	Hanimaadhoo	
HMDN	Oakton	
HMDT	Nahal Hemdat	
HMES	Hamm, Michael-Ende-School	
HMG	Houelmont	
HMGA	Homigot	
HMH	Humu`ula Sheep Station	
HMK	Himekami	
HML	Hamilton	
HML1	Hamley Bridge	
HMM	Hamamatsu	
HMMJ	Hamamatsu 2	
HMN	Homestead National Monument	
HMNA	Hamren	
HMNO	Mineo	
HMNT	Holman	
HMNX	Herstmonceux	
HMO	H. Mason	
HMOM	Monterey	MTR
HMPA	Hampyeong	
HMR	Hamilton Ranch	
HMRA	Hamra	
HMRJ	Hamra	
HMSA	Hans M'sky res	
HMSM	Jabal Masmas	
HMT	Hamilton	
HMTC	Hemet	
HMTD	Hikami	
HMTJ	Hamta	
HMTT	Tlapaneco	
HMU	Henry Mountain	
HMV1	Hindmarsh Valley	
HMYD	Mayadein	
HN-	Houlton	HN-ME
HNA0	Holsnoey Array Site A0 Skjelanger, Norway	
HNA1	Holsnoey Array Site A1 Skjelanger, Norway	
HNA2	Holsnoey Array Site A2 Skjelanger, Norway	
HNA3	Holsnoey Array Site A3 Skjelanger, Norway	
HNAR	Holsnoey Array Beam Reference Point Skjelanger, Norway	
HNAT	Natroun	
HNAZ	Hnaberd	
HNB	Haney	
HNB1	Holsnoey Array Site B1 Skjelanger, Norway	
HNB2	Holsnoey Array Site B2 Skjelanger, Norway	
HNB3	Holsnoey Array Site B3 Skjelanger, Norway	
HNB4	Holsnoey Array Site B4 Skjelanger, Norway	
HNB5	Holsnoey Array Site B5 Skjelanger, Norway	
HNBB	Haney	
HNDO	Hondo	
HNG	Hongo	
HNH	Hanover	
HNHM	Rives	
HNHZ	Havelock North	
HNKL	Nakhl	
HNL	Honolulu	
HNL1	Hanuchal	
HNLY	HANLEY	
HNM	Heniu Mare	
HNME	Houlton	
HN-ME	Houlton	
HNMJ	Hino-misaki	
HNPS	Havelock North Primary School	
HNR	Honiara	
HNS	HongShan	
HNSH	Hunish Island	
HNTI	Hanita	
HNV	Hanoi	
HNVD	Nahavand	
HNVL	Huntsville, TX	
HNY	Hamilton	
HNYB	Haney	
HNZ	Havelock North	
HNZR	Khunzah	
HOBC	El Hobo	
HOBC2	El Hobo, HOBC	
HOBG	Hohbusch	
HOCA	Hongcheon	
HOCH	Hornopiren	
HOCHN	Hochfeld	
HOCS	Levin Horowhenua College	
HOD	Hodge	
HODGE	Hodges	
HOED	Hoedspruit, Limpopo	
HOES	Hoengseong	
HOF	Hof	
HOFF	Hoffen	
HOFOF	Al Hofuf	
HOG	Hogback Mountain	
HOGG	Hoggard's Bluff	
HOGH	Ho	
HOGN	HOGN	
HOH	Hohenheim	
HOHE	HOHENGOEFT	
HOI	Hoima	
HOJ	Hope	
HOJA	Cerro de Hojas	
HOK	Hohkeppel	
HOKE	Hokigiyama	
HOL	Holguin	
HOLB	Holberg	
HOLC	Holcomb Ridge	
HOLU	Holmets	
HOLY	Holy Rosary School	
HOM	Homer	
HOMB	Homborsund	
HOME	McLaughlin Mine	
HOMI	Horasan	
HON	Honolulu	
HONK	Hondo	
HONU	Honeyville	
HOO	Hiroo	
HOOD	Mount Hood Meadows	
HOOJ	Hiroo 2	
HOP	Hope Bay	
HOPA	Hopa-Artvin	
HOPB	Hope	
HOPE	Hope Point	
HOPEN	Hopen	
HOPM	Mount Hope	
HOPOS	Hopovo Monastery	
HOPS	Hopland Field Station, Hopland	
HOPT	Hopper	
HOQ	Hoqain	
HOQC	Horqueta	
HOR	Horta	
HORC	Hororata School	
HORH	Horominai	
HORM	O'Connell Ranch	OCR
HORN	Hornachuelos	
HORNC	Hornillas	
HORQ	Saladito	
HORT	Hortiatis	
HORU	Horodok	
HOSA	Ethiopian Broadband Seismic Experiment	
HOT	Hot Springs Mountain	
HOU	Houston	
HOW	Howrah	
HOWZ	Holdsworth Station	
HOYN	Al Sur del Volcan Telica	
HPAC	Pachino	
HPAH	Hawaii Preparatory Academy	
HPAL	Hacienda Las Palmas-Pichincha	
HPAR	Pala Acreide	
HPCM	Pacheco Lake	
HPE	Pembroke	
HPHM	Park Hill	PKH
HPI	Howe Peak	
HPIG		
HPK	Haverah Park	
HPKT	Knoxville	
HPLM	Pacheco Lake	PCL
HPLN	Hepburn Lake, NWT	
HPO	Honuapo	
HPP	Hepp	
HPRM	Peckham Road	PKC
HPU	Hale Pohaku	
HQIL	Hanson Quary Chicago	
HQIM	Hagar Qim temples	
HQL	Haql	
HQLS		
HQN	Harlequin Lake	
HQRH	Quien Sabe	QSR
HQRM		QSR
HQSR		
HR-	Heber	HR-AZ
HR20	Granada	
HRA	Herat	
HRAD	Harad	
HRAO	HartRAO	
HR-AZ	Heber	
HRB	Hurbanovo	
HRC	Harris Ranch	
HRCH	Hirsch Vineyards	
HRD	Hirodai	
HRDDS		
HRDS	Abu Rudays	
HRF	Holter Research Foundation--Helena	
HRFI	Mount Harif	
HRG	Hirogawara	
HRH	Heinrich-Robert Mine	
HRI	Mount Hermon	
HRIU	Hotel RIU, Guanacaste	
HRJ	Horyu	
HRK	Horoka	
HRKL	Herakleio	
HRM	Kawasaki	
HRMB	Harrison Mills	
HRMC	Merrill Creek	
HRMI	Neve Ativ	
HRML	HRML	
HRMR	Khuramsha	
HRN	Horndal	
HRO	Hermiston	
HROE	Hohe Rhon--Flad	
HRRZ	Handcock Road	
HRSH	Kfar Ka'horesh	
HRT	Hereke	
HRTT	Hiratsu	
HRTX	Hereke-Izmit	
HRU	Hogsback Ridge	
HRUT	Hardware Ranch	HWUT
HRV	Adam Dziewonski Observatory, Oak Ridge	
HRY	Holter Research Foundation--York Bridge	
HRYA	Harraiya (Basti)	
HS-	Hay Springs	HS-NB
HSA	Swansea	
HSAF	As Saff	
HSAM	Samen	
HSB	Akutan Spr's Bay	
HSES	Hanmer Springs Emergency Centre	
HSFA	Helvecia	
HSFG		
HSFM	Saint Francis Retreat	
HSH	Hashikami	
HSHJ	Hashim	
HSHL	Bi'r Shalatayn	
HSI	Hsinkong	
HSIG		
HSJ	Hoshina	
HSK	Changchun	
HSKC	Hora Svate Kateriny	
HSLM	San Luis Dam	
HSMO	Haileybury School of Mines	
HSN	Hsinchu	
HSN1	Hsinchu	
HSNB	Heath Steele Mine	
HS-NB	Hay Springs	
HSND	Hausen	
HSNJ	Maan	
HSO	Harness Mountain	
HSP	Hornsund	
HSPA1	Hornsund Array Site 1	
HSPA2	Hornsund Array Site 2	
HSPA3	Hornsund Array Site 3	
HSPA4	Hornsund Array Site 4	
HSPA5	Hornsund Array Site 5	
HSPB	Hornsund (broadband)	
HSPGA	Hill Springs, Alberta	
HSPM	Sheep	
HSPR	La Hesperia	
HSR	South Ridge	
HSRG	Sareghieh	
HSRS	Siracusa	
HSRZ	Hossack Road	
HSS	Hokkaido University	
HSSS	Lower Hutt Haywards Substation	
HSUJ	Al Zarqa	
HSUR	Hospital Del Sur Enrique Grces , La lorena, Chilibulo	
HSW	Hot Spot	
HSY	Hisarkoy	
HT-	Hastings	HT-MN
HTC	Hot Caves	
HTCH	Hutch Mountain	
HTCR	Hilton Creek	
HTDA	hataedo	
HTEC	Technion Haifa	
HTG	Hatgal	
HTGB	Khovsgol, Khatgal village	
HTK	Hotokeiwa	
HTL	Hartland	
HTM01	HTM01	
HTM02	HTM02	
HTM03	HTM03	
HTM04	HTM04	
HTM05	HTM05	
HTM06	HTM06	
HTM1	Hato Mayor	
HT-MN	Hastings	
HTMS	Hat Mesa	
HTN	Hohentengen	
HTPZ	Hautapu	
HTQ	Hauterive	
HTR	Trewern Hill	
HTRR	Road 258 - Hatrurim Junction	
HTSP	Saipan	
HTT	Hallett	
HTU	Hoyt Peak	
HTUJ	Hattaushi	
HTUM	Tustin Road	
HTW	Haystack Lookout	
HTY	Hatay	
HU01A	Pnd	
HU02A	Szentllek	
HU03A	Ecseg	
HU04A	gasegyhza	
HU05A	Hortobgy	
HU06A	Eperjes	
HU07A	Apagy	
HU11A	jtikos	
HU12A	Kis^{6}jszjlljs	
HU13A	Tiszakcske	
HU14A	Dc	
HU21A	Pusztamerges	
HU22A	Ersekhalma	
HU23A	Bernathegy	
HU24A	Belmegyer	
HUA	Huancayo	
HUAR	Huara	
HUBA	Hudson Bay High School ANSS-SMO	
HUCH	Huasco	
HUCU	Cuilco, Huehuetenango	
HUDS	Hudson	
HUDU	Hudiksvall	
HUEH	Huehuetenango	
HUEM	Huemules	
HUEN		
HUES	Huehuecho	
HUG	Huitzitzil	
HUG01	Santa Cruz, CA USA	
HUGN	San Franciso Llbre	
HUH	Hualalai	
HUIG	Huatulco	
HUK2	Heuksan-myeon	
HUKS	Huiakama School	
HUL	Heiheiahulu	
HULD	Heiheiahulu Digital	
HULI	Fort Hunter Liggett, Jolon, California	
HULL	Hull Mountain near Rice Fork, CA USA	
HULT	Hulata	
HUMM	Hume Dam	
HUMO	Hull Mountain	
HUMP	Col San Antonio	
HUMR	Humele	
HUN	Hundersingen	
HUNA	Hunoldsheilm	
HUNS	Huntsbury	
HUNT	Big Hunter Mountain, Platina, CA USA	
HUNY	Huinay	
HUO	Hudson	
HUOR	Husband	
HUR	Hurricane	
HURO	Huro Makira	
HURP	Huarmaca	
HUSU	Husum	
HUTB	Hutbay	
HUTI	Huta Ginjang	
HUTZ	Huka	
HUV	Hue	
HUYE	HUYE	
HUZ	Huaraz	
HV-	Havre	HV-MA
HVA	Hanceville	
HVAR	Hvar	
HVC	Hernandez Valley	
HVD	Gariep Dam	
HVHR	Bakirkoy-Istanbul	
HVIT	Vittoria	
HVK	Hallstavik	
HVL	Huntoon Valley	
HVLK	Havelock	
HV-MA	Havre	
HVO	Hawaiian Volcano	UWE
HVS	Khovu-Aksy	
HVSC	Heathcote Valley Primary School	
HVU	Hansel Valley	
HVZN	Vizzini	
HW-	Hawaii Isl. Ar.	HW-IS
HWA	Hwalien	
HWAP	Hualien Port	
HWB	Hans Werner Braun Residence, San Diego	
HWCA	Hwacheon Acc Borehole	
HWCB	Hwacheon	
HWD	Hollywood	
HWF	Haulerwijk	
HWF1	Haulerwijk	
HWF2	Haulerwijk	
HWF3	Haulerwijk	
HWF4	Haulerwijk	

Code	Station Name	Other
HWHS	Hawera High School	
HW-IS	Hawaii Isl. Ar.	
HWK	Hiawatha	
HWKB	Hawksbury Island	
HWKN	Hawk's Nest	
HWKO	Hawkesbury	
HWQ	Hawqa	
HWSI	Howe Scarp	
HWSM	Haiwee Spring South	
HWTS	Hohenwarte Talsperre	
HWUT	Hardware Ranch	
HWV	Hinton	
HWYS	Al Hawiyah	
HWZ	Hwange	
HXI	Guiyang	GYA
HY-	Hysham	HY-MA
HYA	Hoyanger	
HYB	Hyderabad	
HYBA	Heybeliada-Istanbul	
HYBB	Hyderabad (broadband)	
HYBL	Heybeliada	
HYC	Haney	
HYD	Hyderabad	
HYDN	Hyden	
HYDR	Haydariye	
HYF	Humbligny	
HYGV	Hayogev	
HY-MA	Hysham	
HYNE	Hara	
HYR	Heyderabad	
HYRS	Hayirsizada Cinnet	
HYS	Haystack Butte	
HYSN	Hyesan	
HYT	Haines Junction	
HYX	Hoyt Mine	
HZA	Huzimizaka	
HZTE	Horizontes, Guanacaste	
HZVA	Hazeva	
I01AR	PILCANIYEU INFRASONIC ARRAY REFERENCE POINT	
I02A	Mapleton	
I02AR	USHUAIA INFRASONIC ARRAY REFERENCE POINT	
I02D	Swisshome	
I02E	Swisshome, OR	
I03A	Eugene	
I03AU	Davis Base, Antarctica	
I03D	Drain, OR	
I04A	Tendick Farm, Oakridge	
I04AU	SHANNON INFRASONIC ARRAY REFERENCE POINT	
I05A	Bend	
I05AU	HOBART INFRASONIC ARRAY REFERENCE POINT	
I05D	Terrebonne, OR	
I06A	Prineville	
I06AU	Cocos Islands	
I07A	Izee	
I07AU	WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	
I08A	Drewsey	
I08BO	LAS PEÑAS INFRASONIC ARRAY REFERENCE POINT	
I09A	Lost Marbles Ranch, Westfall	
I09BR	BRASILIA INFRASONIC ARRAY REFERENCE POINT	
I10A	Payette	
I10CA	LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	
I11A	Placerville	
I11CV	MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT	
I12A	Atlanta	
I13A	Wildhorse Creek, Mackay	
I13CL	EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	
I14A	Mackay	
I14CL	ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT	
I15A	Monteview	
I16A	Newdale	
I16CN	KUNMING INFRASONIC ARRAY REFERENCE POINT	
I17A	Pilgrim Ck.	
I17CI	DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	
I17K	Unalakleet	
I18A	Diamond G Ranch, Dubois	
I18DK	QAANAAQ INFRASONIC ARRAY REFERENCE POINT	
I19A	Meeteetse	
I19DJ	I19DJ	
I20A	Worland	
I20EC	Galapagos	
I20K	Naaghedeneel	
I20M0	I20M0	
I20M6	I20M6	
I20M9	I20M9	
I21A	Big Trails, Ten Sleep	
I21FR	MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	
I21K	Tanana	
I22A	9 Mile Ranch, Kaycee	
I22FR	PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	
I23A	Meade Ranch, Gillette	
I23FR	KERGUELEN INFRASONIC ARRAY REFERENCE POINT	
I23K	Minto, Yukon-Koyukuk	
I24A	Kuemmerle Ranch, Upton	
I24FR	TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	
I25A	Rochford	
I25FR	GUADELOUPE INFRASONIC ARRAY REFERENCE POINT	
I26A	New Underwood	
I26DE	FREYUNG INFRASONIC ARRAY REFERENCE POINT	
I26K	Coal Creek Mining Camp	
I27A	Quinn	
I27DE	GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	
I27K	Kandik River	
I28A	Midland	
I28M	Miner Creek	
I29A	Vivian Onida	
I29M	Ogilvie Camp, Yukon	
I30A	Oacoma	
I30JP	ISUMI INFRASONIC ARRAY REFERENCE POINT	
I30M	Mount Dempster	
I31A	Royce, Wessington Springs	
I31KZ	AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	
I32A	Karley and Nick, Howard	
I32KE	NAIROBI INFRASONIC ARRAY REFERENCE POINT	
I33A	Coleman	
I33MG	ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT	
I34A	Hadley	
I34MN	SONGINO INFRASONIC ARRAY REFERENCE POINT	
I35A	Creekview Farms, Bingham Lake	
I35NA	TSUMEB INFRASONIC ARRAY REFERENCE POINT	
I36A	Fitzsimmons Farm, Good Thunder	
I36NZ	CHATHAM INFRASONIC ARRAY REFERENCE POINT	
I37A	Lemond, Waseca	
I37B	Waseca	
I37H0	Bardufoss	
I37NO	I37NO	
I38A	Scanlan Farm, Eyota	
I39A	Houston	
I39PW	PALAU INFRASONIC ARRAY REFERENCE POINT	
I40A	Norwalk	
I40PG	Keravat	
I41A	Arkdale	
I41PY	VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	
I42A	Draeger Farm, Ripon	
I42PT	GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	
I43A	Langenfeld Brothers Farm, Elkhart Lake	
I43RU	DUBNA INFRASONIC ARRAY REFERENCE POINT	
I44RU	ROPAVLOVSK-KAMCHATSKY KY INFRASONIC ARRAY REFERENCE POINT	
I45A	Fountain	
I45RU	USSURIYSK INFRASONIC ARRAY REFERENCE POINT	
I46A	Reed City	
I46RU	ZALESOVO INFRASONIC ARRAY REFERENCE POINT	
I47A	Gladwin	
I47ZA	BOSHOF INFRASONIC ARRAY REFERENCE POINT	
I48A	Sherman Twp	
I48TN	KESRA INFRASONIC ARRAY REFERENCE POINT	
I49A	Point Hope	
I49GB	TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	
I50GB	ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	
I51A	Listowel	
I51GB	BERMUDA INFRASONIC ARRAY REFERENCE POINT	
I52A	Shelburne	
I52GB	DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	
I53A	Kortright Cn Earth Rangers Ctr, Woodbridge	
I53US	FAIRBANKS INFRASONIC ARRAY REFERENCE POINT	
I55A	Frankford	
I55US	WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	
I56US	NEWPORT INFRASONIC ARRAY REFERENCE POINT	
I57A	Carthage	
I57US	PINON FLAT INFRASONIC ARRAY REFERENCE POINT	
I58A	Old Forge	
I58US	Midway Islands	
I59A	Olmsteadville	
I59US	HAWAII INFRASONIC ARRAY REFERENCE POINT	
I60A	Shoreham	
I60US	Wake Island	
I61A	Oroboro, Fairlee	
I62A	Tamworth	
I63A	Otisfield	
I64A	Boothbay	
IAA	In Amguel	
IACL	Alicudi	
IACM	Heraklion	
IADA	Aoalbol	
IAE	Cedar City, Iron County	
IAFJ	Afjeh	
IAG	Institut Agronomique	
IAKL	Akhelmad	
IALA	Alasht	
IALF	Alftagrof	
IALM	Almabolaq	
IAND	Andimeshk	
IANJ	Anjilo	
IAPS	Aklan State University Campus	
IAS	Iasi	
IASB	sbjarnarstair	
IASBS	W01	
IASK	Askja	
IASM	Asmuli	
IASO	Asolfsskalaheidi	
IASR	Iasi	
IATSM	Idi	
IAUS	Austmannsbunga	
IAV	Isla Aves	
IAZR	Azarshahr	
IBAF	Bafgh	
IBAJ	Ibajay, Aklan	
IBAR	Ibarra	
IBAV	Isla La Blanquilla	
IBBE	Ibbenbueren East	
IBBN	Ibbenburen	
IBBS	Ibbenbueren South	
IBCM	Barano	
IBDR	Badra	
IBEY	Bjarnarey	
IBJA	Bjarnastaoir	
IBJK	Bruarjokull	
IBK	Innsbruck	
IBND	Bandar-abas	
IBP	Imperial Boulder Park, Ocotillo	
IBRE	Brettingsstaoir	
IBRJ	Brojen	
IBRN	Ischia Barano (NA)	
IBRU	Bruarjokull	
IBST	Bostanabad	
IBTI	Ile Boleng, Nusa Tenggara Timur	
IBU	Ibuki Yama	
IBZA	Bozab	
IBZP	Iba, Zambales	
IBZR	Intorsura_Buzaului	
IC-	Ice Cap	IC-GL
ICA	Ica	
ICAI	Ischia Castello Aragonese, Ischia (NA), Italy	
ICBC	Inst. de Cultura de B.C.	
ICC	Iquique	
ICC1	Isla del Coco	
ICCO	Coco Island	
ICCS	Invercargill City Council	
ICESG	Greenland Icesheet	
IC-GL	Ice Cap	
ICH	Ichihara	
ICHK	Chekchek	
ICHU	Yijhu	
ICI	Italian Canyon	
ICJA	ICTJA-CSIC, Barcelona	
ICM	Isla Caja Muertos	
ICMP	Isla Caja de Muertos, Puerto Rico	
ICO	Isla del Coco	
ICOR	Ion Corvin	
ICQ	Pointe Anglais	
ICR	Volcan Irazu	
ICR3	Volcano Irazu 3	
ICU	Indian Springs Canyon	
ICVJ	Casamicciola	
ICY	Ichiyama	
ID02	Challis, ID, 7.5 mi N off of Rte 93	
ID03	East of Rte 461 near Challis	
ID04	Mogan Creek Rd (Rte 129)	
ID05	Sulphur Canyon Road, Soda Springs	
ID06	Fossil Canyon	
ID07	Smith Canyon Road	
ID08	Devils Gate	
ID09	Alton	
ID1	Idaho Array 1	
ID10	Lander Cutoff	
ID2	Idaho Array 2	
ID3	Idaho Array 3	
ID4	Idaho Array 4	
ID5	Idaho Array 5	
IDA	Idaho Array	
IDAH	Dahanechah	
IDAN	Idan	
IDC	Isla del Cano	
IDE	Isla Desecheo	
IDGL	Inch Island, Co Donegal	
IDHR	Dehrash	
IDHRE	Ermioni, IDHR	
IDI	Anoyia	
IDID	Didziasalis	
IDIM	Dimmadalss	
IDJ	Idjwi	
IDJK	Dyngjujokull	
IDJZ	Idjevan	
IDMV	Damavand	
IDOB	Doab	
IDR	Idriss Premier	
IDSA	Dashabbas	
IDYN	Dyngjuhals	
IECU	Ecuador Network	
IEDA	Engidalur	
IELE	Ellidaey	
IELO	Elcoad	
IEMG	Emamgholi	
IENR	Iengra	
IENT	Enta	
IEPA	Eparoz	
IER1	Ierissos	
IESK	Eystri-Skogar	
IESO	Jésolo	
IESS	Sede Social del IESS - Quito	
IFAG	Fagurholsmyri	
IFAK	Africa Array SE Tanzania Basin Experiment, ZH	
IFAL	Falljokull	
IFED	Fedgar	
IFIL	Filicudi I Eolie	
IFIR	Firoozkooh	
IFLA	Flatey	
IFOR	Ischia Forio Punta Imperatore (NA) Italy	
IFPS	Inchbonnie Fitzsimmons	
IFR	Ifrane	
IFTB	Fath-abad	
IGAB	Igarata	
IGAD	Garlstedt	
IGAR	Gharneh	
IGBI	Denpasar	
IGD	Bursa	
IGDI	IGDIR	
IGFL	Graenufjoll	
IGGU	Iggoen	
IGHA	Grjothals	
IGHG	Ghaleghazi	
IGHS	Grjothals	
IGIG	Irapuato, Guanajuato	
IGIL	Gilhagi	
IGL	Igloolik	
IGLA	Glengowla, Co Galway	
IGLN	Igloolik	
IGLO	Ghaloghah	
IGLU	Glumsstadir	
IGM	Isla Guadalupe	
IGM2	Igoumenitsa	
IGN	Direccin General de Estadstica y Censos (DIGESTYC)	
IGOD	VI-GOD	
IGOM	Igoma	
IGPR	InterUniversity Guayama PR	
IGR	Igron	
IGRA	Granastaoir	
IGRE	AFAR0911 - ZR	
IGRF	Grimsfjall	
IGRI	Grimsey	
IGRS	Grimsstaoir	
IGRV	Grindavik	
IGT	Igoumenitsa	
IGUA	Igualata	
IGYG	Gygjarholskot	
IGZV	Ghazvin	
IHA	Instituto Hidrografico de la Armada	
IHAE	Haedir	
IHAM	Hamarinn	
IHAU	Haukadalur	
IHC	Ixhuatan	
IHEB	Hekla-Austur-2	
IHED	Heoinshofoi	
IHEI	Heioarbar	
IHES	Hestalda	
IHLA	Hella	
IHLN	Indian Hill Lake	
IHMI	Ibu, Maluku Utara	
IHOS	Hoseineyeh	
IHOX	Haoxl	
IHR	Ishihara	
IHRN	Hraun	
IHRS	Heris	
IHRSI	Indragiri Hilir, Riau, Sumatera Indonesia	
IHSB	Hasanabad	
IHSH	Hashtrud	
IHUS	Husbondi	
IHVA	Hvannstoosfjoll	
IHVE	Hveravellir	
IHVO	Lagu-Hvolar	
IIA	Altzomoni	
IIB	San Bernardino	
IIC	Rita Coyotepec	
IID	Iida	
IIDJ	Iida	
IIEY	Innrieyrar	
IIGN	Ignalina	
III	Iguala	
IIJ	Jocotitlan	
IIM	Instituto de Ingenieria, UNAM	
IIO	Organos	
IIP	El Pino	
IIS	IISEE	
IISM	Ciudad Serdan	
IISS	Isolfsskali	
IIT	Tonantzintla	
IIZ	Mezontepec	
IJAA	Inje Acc Borehole	
IJBA	Injebuk	
IJDB	imjado	
IJDJ	Iida	IIDJ
IJF	Islas Juan Fernandez	
IJOK	Jokulheimar	
IK-	Ink	IK-AR
IKAL	Kalfafell	
IKAR	Kharkheh	
IK-AR	Ink	
IKAS	Kaldrsel	
IKAZ	Kazeroun	
IKFM	Kafar-mosalman	
IKIA	Kiasar	
IKIS	Kista	
IKJ	Ikusaka	
IKL	Isikli	
IKLH	Kolahrood	
IKMR	Kamar-syah	
IKOM	Komasi	
IKOO	Kooshah	
IKP	In-Ko-Pah, Jacumba	
IKRA	Agios-Kirikos-Ikarias	
IKRD	Kardeh	
IKRE	Kreppuhraun	

Code	*Station Name*	*Other*
IKRI	Krysuvik	
IKRK	Kirkuk	
IKRO	Krokur	
IKSA	Iksan Acc Borehole	
IKSK	Karasker	
IKUD	Kuludalsa	
IKVE	Kverkfjoll	
IKVI	Kvisker	
IKVO	Krokottuvotn	
IKZ	Isoka	
IL01		IL1
IL02	Eielson Array Site 2	
IL03	Eielson Array Site 3	
IL04	Eielson Array Site 4	
IL05	Eielson Array Site 5	
IL06	Eielson Array Site 6	
IL07	Eielson Array Site 7	
IL08	Eielson Array Site 8	
IL09	Eielson Array Site 9	
IL1	Eielson Array Site 1	
IL10	Eielson Array Site 10	
IL11	Eielson Array Site 11	
IL12	Eielson Array Site 12	
IL13	Eielson Array Site 13	
IL14	Eielson Array Site 14	
IL15	Eielson Array Site 15	
IL16	Eielson Array Site 16	
IL17	Eielson Array Site 17	
IL18	Eielson Array Site 18	
IL19	Eielson Array Site 19	
IL31		ILB
ILA	Ilan	
ILAG	Lagar	
ILAM	Ilet Lapin Martinique	
ILAN	Ilam	
ILAR	Eielson Array Beam Reference Point	
ILAS	Lasjerd	
ILB	Eielson Array Broadband	ILAR
ILBA	Ilam Banvizeh	
ILCA	Isla Las Cabras	
ILCH	Illapel	
ILCN	San Idelfonso Volcan Cerro Negro	
ILEFE	Ile-Efe	
ILEI	Leirhofn	
ILER	Lleida	
ILFE	Lagafell	
ILG	Inge Lehmann	IC-GL
ILGA	Ilgaz	
ILI	Ili	
ILIC	ilic-Erzincan	
ILIM	Iliamna	
ILIN	Lien	
ILIND	Ilindi	
ILIQ	Lip Q Pani IE	
ILKN	Indian Lake	
ILL12	Sagenschleif ILLGRABEN, VS	
ILL13	Obere Abschlacht, ILLGRABEN, VS	
ILL14	Mittler Illalp, ILLGRABEN, VS	
ILL15	Illgraben, Alpage de Chandolin, VS	
ILL16	Illgraben, Fort du Bachet, VS	
ILL17	Plaine Madeleine, ILLGRABEN, VS	
ILL18	Steinschlaghuette ILLGRABEN, VS	
ILLEZ	Chalet Vouargne Bourlo, Wallis, VS	
ILLF	Illfurth	
ILLI	Illinizas Sur - Rasayacu	
ILM	Iliamna	
ILMG	Lip M Gallina IE	
ILN	Island Lagoon	
ILO	Iloilo	
ILOC	Iloca	
ILOD	Lodnugiljahaus	
ILOM	Ilombo	
ILON	Igloolik, Nunavut	
ILOS	Lipari Osseratorio	
ILP6	Ilpa6	
ILS	Iliamna Low South	
ILSF	Litla-Skogfell	
ILSM	Lacco Ameno	
ILSW	Iliamna Southwest, Iliamna Volcano	
ILT	Iul'tin	
ILTH	Belurgan, Co Louth	
ILUG	Ilulissat, Greenland	
ILULI	Ilulissat	
ILW	Iliamna West	
ILYS	Iyasky, Yalova	
IM01	Indian Mountain Array Site 1	
IM02	Indian Mountain Array Site 2	
IM03		IM3
IM04	Indian Mountain Array Site 4	
IM05	Indian Mountain Array Site 5	
IM3	Indian Mountain Array Site 3	
IMA	Indian Mountain	
IMA2	Indian Mountain	
IMAC	Kilbarry, Macroom, Co. Cork, Ireland	
IMAF	Imatra	
IMAH	Mahabad	
IMAR	Indian Mountain Array Beam Reference Point	
IMAT	Imadeyama	
IMAY	Moygownagh, Co. Mayo, Ireland	
IMBA	Imbabura, San Roque	
IMCRS	Cerreto	
IMEH	Mehriz	
IMEL	Melhnausar	
IMG	Imagane	
IMHD	Mahdasht	
IMI	Imperia	
IMIC	Mitchelstown Cave, Co. Tipperary, Ireland	
IMID	Miomork	
IMIM	Midmork2	
IMIN	Minoodasht	
IMJ	Imajo	
IMJO	Mjoaskard	
IMK	Imi Mikki	
IMKO	Mokollar	
IML	Ismayilli	
IMM	Islas Marias	
IMMV	Iera Moni Metamorfosis, Varipetro, Chania, Crete	
IMND	Minoodasht	
IMNS	Imangra	
IMNT	Ischia Montagnone (NA)	
IMO	Isla Mona	
IMOB	Isla Mona	
IMOD	Iera Moni Odigitrias - Faistos, Heraklion, Crete Is.	
IMOG	Moghan	
IMOK	Mouk	
IMOL	Imola, Italy	
IMON	Monand	
IMOR	Morastadir	
IMOR2	Chiles - Colombia	
IMOV	Isla Los Monjes	
IMP	Imphal	
IMPE	Imperial	
IMPR	Mona Island, PR	
IMR	Isla Mona	
IMRA	Mudanya	
IMRD	Marand	
IMS	Imsbach	
IMT	Isola di Marettimo	
IMTC	Ischia Forio Monte Corvo (NA) Italy	
IMU	Iron Mountain	
IMW	Indian Meadow	
IMWB	Imwonan-gil	
IMYA	Miami	
IN0	Inta	
IN1	Indiana Array	
IN2	Indiana Array	
IN3	Indiana Array	
IN4	Indiana Array	
INA	Iinan	
INAQ	Fundacion Guayasamin, Bellavista alto, Iaquito	
INB	Inubo	
INC	Inchon	
INC6	INCERC	
INCA	Colegio Marista Quito, el inca, jipijapa, Quito, Ecuador	
INCE	Bozkurt, nceler, Denizli	
INCN	Inchon	
INCO	Volcan de Colima INCA	
INCR	INCERC-Sediu Central	
IND	Independence	
INDC	Indio Hills	
INDER	Inder	
INDI	Punta indio, Guanacaste	
INDN	Indianola	
INE	Iliamna NE	
INEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
INF	Infanta	
ING	Ingram Ranch	
INGI	Ingas	
INGLE	Inglenook, Smith Ridge	
INGS	Inangahua Fire Station	
INH	Isangel	
INHS	Inglewood High School	
INK	Inuvik	
INKA	Innaminka	
INMG	Instituto de Meteorologia, Lisbon	
INMK	Ichinomiya	
INN	Innsbruck	
INPP	Ignalina Nuclear	
INR	Itanagar	
INS	Inspiration	
INS1	Heuchelheim BoxerKlub	
INS2	Steinweiler	
INS3	Hergersweiler	
INS4	Landau	
INS4B	Landau	
INS5	Hayna, Turnverein	
INS6	Kandel, Kundencenter Pfalzwerke	
INS6B	Friedhof Kandel	
INS7	Herxheim Wasserbehaelter	
INS8	Friedhof Edesheim	
INSH	Angelsportverein	
INSR	Institute	
INSS	Lower Hutt GNS Nuclear Sciences	
INT	INT	
INTHN	La Esperanza Intibuca	
INTP	Intipuca	
INTR	Introdacqua	
INTV	Intevep	
INU	Inuyama	
INUQ	Inukjuak	
INV	Inveralochy	
INVE	Universidad Invenio (Canas)	
INVG	Invergeldie, Comrie	
INVM	La Marquesa	
INW	Iliamna NW	
INXR	Petrosani	
INY	Ithaca	
INYL	Nylenda	
INZ	Inchbonnie	
IO-	Ione	IO-NV
IOCA	Ischia Osservatorio Casamicciola	
IOLF	Oldufell	
IOMK	Kirk Michael	
IO-NV	Ione	
IOSP	Ios island	
IP01	Cuckoo	
IP03	Louisa	
IP04	Greensprings	
IP05	Hopewell Church	
IP06	Yanceyville	
IP07	Quail	
IPA	Ipanguacu	
IPAI	Ragusa ex Provincia	
IPAN	Panarea IE	
IPAR	Pars	
IPAY	Payeh	
IPE	Ipeti	
IPES	Pescosannita	
IPFO	International Monitoring System (IMS) Pinon Flats Observatory Seismic Station	
IPIL	Ipil	
IPIR	Pirpir	
IPM	Ipoh	
IPMB	Ipameri, GO	
IPNR	Panarea - vetta Panarea	
IPOZ	Pozzuoli	
IPPL	IPPL - HMU, Tria Monastiria, Rethimno,Crete	
IPRE	Itoiz	
IPRN	Peran	
IPSM	Ischia Porto, Stazione Anton Dhorn (NA)	
IPVM	Iztapalapa	
IQHU	Qucahn	
IQOM	Qom	
IQQ	Iquique	
IR1	Iran Long-Period Array	
IR2	Iran Long-Period Array	
IR2C	Iron Canyon	
IR3	Iran Long-Period Array	
IR4	Iran Long-Period Array	
IR5	Iran Long-Period Array	
IR6	Iran Long-Period Array	
IR7	Iran Long-Period Array	
IRAF	Chalets d'Iraty - Larrau, Pyrenees-Atlantique, France	
IRAH	Raudholl	
IRAM	Ramesheh	
IRAZ	Razeghan	
IRC	Iron Canyon	
IRCI	INEL Research	
IRDE	Institut de recherche pour le dveloppement - Quito	
IREN	Reynihlio	
IRES	Siquirres	
IRI	Irimote jima	
IRIF	Iriomote-Funauki	
IRIN	Iringa	
IRJU	Rjupnafell	
IRK	Irkutsk	
IRM	Iron Mountain Pumping Sta,Desert Center	
IRN	Iron Mountains	
IRNE	Reykjanes	
IRO	Indian Ridge	
IRRE	Albstadt-Irrenberg	
IRS	Iris	
IRSH	Iranshahr	
IRSR	Iranshahr-Savaran	
IRZ	Volcan Irazu	
IRZ2	Volcan Irazu 2	
IRZU	Oratorio	
IS2	Icelocation 2	
ISA	Isabella, Lake Isabella	
ISA2	Santa Isabel	
ISAD	Sadrabad	
ISAL	Salakas	
ISAN	Sandskeio	
ISAU	Saurbar	
ISAV	Santa Isabel	
ISAX	Saxhamar	
ISBA	Islamabad	
ISBTO	Bastimentos Island	
ISCO	Idaho Springs	
ISD	ISOLA DELLA SCALA	
ISE	Ise	
ISECA	Islas Secas	
ISF	Isfjord	
ISFB	Sefidab	
ISFR	Sfrayin	
ISGB	Iksangeumgang	
ISH	Ishtion	
ISHB	Shabestar	
ISHJ	Ishigaki Ryukyu Islands	
ISHK	Ishkashim	
ISHM	Shahmirzad	
ISHO	Shoshtar	
ISHR	Shahran	
ISHV	Shirvan	
ISI	Ishigaki jima	
ISIG	Siglufjorour	
ISIK	Ishii	
ISK	Istanbul-Kandilli	
ISKI	Skildingahlshraun	
ISKR	Skrokkalda	
ISKY	Isaakyan	
ISL	Ismayilll	
ISLE	Juniper Island	
ISLN	Salina IE	
ISLY	Slysaalda	
ISLZ	Isanotski Lazaref River	
ISM	Ismayilli	
ISMJ	Smjorgil	
ISN	Ishinomaki	
ISNA	Santa Maria Salina	
ISNB	Snabyli	
ISNH	Isernia Ospedale	
ISNL	Isnello	
ISNN	Isanotski North	
ISO	Isola	
ISOG	Isortoq, Greenland	
ISOK	Kyela	
ISOL	Solvholt	
ISOR	Termini	
ISP	Isparta	
ISPG	Isla Puna-Puerto Grande	
ISPIC	ISPICA	
ISPL	Str Punta Lena IE	
ISPR	Interamericana de San German Puerto Rico	
ISPT	Isla de la Plata	
ISPU	Isla Puna	
ISQ	Mount Isa	
ISR	Istrita	
ISRB	Sarab	
ISRF	Istric ta	
ISRO	Mashad	
ISRV	Sarvestan	
ISSF	Issarbe	
IST	Istanbul	
IST1	Istanbul	
IST3	Stromboli F	
ISTE	Stelbrattur	
ISTK	Isanotski	
ISTP	Stromboli Pizzo	
ISTR	Stromboli Ginostra	
ISU	Indiana State University	
ISUC	Cotopaxi Ecuador	
ISVA	Svartarkot	
IT01A	Cassolnovo	
ITA	Itatiaia	
ITAB	Concordia	
ITAG	Taghalsar	
ITAL	Pital	
ITAN	ITANAGAR	
ITB	Itaipu	
ITB1	Itaipu 1	
ITB7	Itaipu 7	
ITBT	Itumba	
ITBZ	Tabriz	
ITC1	Ithaki	
ITCA	Escuela Especializada en Ingeniera	
ITD	Itadori	
ITE1	Itea	
ITEG	Tejag	
ITEV	Isla Los Testigos	
ITF10	CHI Itaipu Binacional	
ITF11	CHI Itaipu Binacional	
ITF4	CHI Itaipu Binacional	
ITF6	CHI Itaipu Binacional	
ITG	Itzapa	
ITGE	Itoigawa	
ITH	Ithaca	
ITHO	Ithomi	
ITIP	Aglish, Co. Tipperary, Ireland	
ITIT	Ipitacuapi	
ITKG	Kharagpur	
ITKT	Itaka	
ITM	Ithomi	
ITO	Ito	
ITQB	Itaqui	
ITR	Itaparica	
ITR2	Itaparica 2	
ITR5	Itaparica 5	
ITRB	Iturama	
ITS1	Elaiones	
ITTB	Itaituba	
ITU	Istanbul	
ITU03	UHE Itumbiara	
ITU3	Corumbazu	
ITUM	Tunduma	
ITZ	Itezhi-Tezhi	
IUG	Iuzhnay	
IUI	Joint University Institute Eilat	
IUNC	Unciti	
IURH	Urdarhals	
IUSE	Utxeti	
IVA	Berane	
IVAG	Clark Hill Reservoir	
IVAS	Ivanjica	
IVAT	Vatnsfell	
IVCR	Vulcano Cr IE	
IVE	Iliamna Volcano East	
IVES	Vestmannaeyjar	
IVEY	Vestmannaeyjar	
IVF	Ivanof Bay	
IVGM		
IVGP	Vulcano Grotta dei Palizzi	
IVI	Ivigtut	
IVIS	Veis	
IVIV	IVIC	
IVK	Ivanovka	
IVKQ	Ivujivik	
IVLC	Ischia Forio, Villa la Colombaia (NA)	
IVLT	Vulcano Lentia IE	
IVME	Vestmannaeyjar	
IVN	Inveralochy	
IVOG	Vogar	
IVON	Vonarskard	
IVOS	Vogsosar	
IVOT	Vottur	
IVPL	Vulcano Piano	
IVR	IVREA	
IVRN	Varamin	
IVS	Iliamna South	
IVSH	V-Sauoahnukur	
IVSM	Inverness	
IVT	Ira	
IVUG	Vulcano Grillo IE	
IVY	Inveralochy	
IWEX	Carrickbyrne, Co Wexford	
IWJ	Iwai-Kita	
IWK	Iwaki	
IWN	Iwanai	
IWO	Iwaosan	
IWPI	Rasiei, Papua Barat	
IWT	Iwatsuki	
IXC	Ixtacomitan	
IXG	Ixpaco	
IXT	Ixtapalapa	
IZAB	Izabela	
IZABA	Izabal, Puerto Barrios	
IZAR	Zarasai	
IZDR	Rize	
IZEF	Zefreh	
IZI	Iznik	
IZK	Iizuka	
IZM	Izmir	
IZMD	Dikili, Delikta, zmir	
IZMH	Iizume	
IZMR	Balabanlı, demi, zmir	
IZMRN	Krasnoe ozero	
IZN	Iznik	
IZRL	Izrael	
IZT	Izumi	
IZTMP	Baucca	
IZU	Izuhara	
IZU2	Izuhara 2	
IZUJ	Izuhara	
IZUN	Zunzarren	
IZV	Izvestkoviy	
IZVB	Izvoarele B	
IZVR	Izvoarele	
IZZE	zzettin, Seydikemer, Mula	

Code	Station Name	Other
J01D	Myrtle Point	
J01E	Myrtle Point	
J02A	Umpqua	
J03A	Ideyld Park	
J04A	Umpqua National Forest, Toketee	
J04D	Umpqua National Forest, Toketee, OR	
J05A	Fort Rock	
J05D	Fort Rock, OR	
J061	Lakeshore Drive, S. Francisco	
J06A	Christmas Valley	
J06A7	J06A7	
J06B	J06B	
J06D	J06D	
J07A	Hines	
J08A	Circle Bar Ranch, Crane	
J09A	Fry Pan Ranch, Harper	
J09B	J09B	
J09D	J09D	
J10A	Berg Farm, Melba	
J10B	J10B	
J10D	J10D	
J11B	J11B	
J11D	J11D	
J12A	Stokes Ranch, Hill City	
J13A	Cove Ranch, Picabo	
J14A	Carey	
J14K	Nanvaranak Lake	
J15A	Blackfoot	
J16A	Bone	
J16K	Anvik River	
J17A	Brown Place, Jackson	
J17B	J17B	
J17D	J17D	
J17K	VABM Dome	
J18A	Kendall Valley, Cora	
J18B	J18B	
J18D	J18D	
J18K	Innoko River	
J19A	Crowheart	
J19B	J19B	
J19D	J19D	
J19K	Poorman	
J20A	Shoshoni	
J20B	J20B	
J20D	J20D	
J20K	Nowinta River	
J21A	Lysite	
J21C	J21C	
J22A	Midwest	
J23A	Dilts Ranch, Bill	
J23A7	J23A7	
J23B	J23B	
J23C	J23C	
J23D	J23D	
J24A	Dixon Ranch, Lance Creek	
J25A	Sunshine Ranch, Edgemont	
J25A7	J25A7	
J25B	J25B	
J25C	J25C	
J25D	J25D	
J25K	Salcha River, AK	
J26A	Sides Ranch, Smithwick	
J26A7	J26A7	
J26C	J26C	
J26D	J26D	
J26K	Charley River, AK	
J26L	Joseph Creek	
J27A	Elkhorn Farm, Martin	
J27B	J27B	
J27D	J27D	
J28A	Allard Ranch, Norris	
J28A7	J28A7	
J28B	J28B	
J28C	J28C	
J28D	J28D	
J29A	Okreek	
J29A7	J29A7	
J29C	J29C	
J29M	Klondike Camp	
J29N	Klondike Camp	
J30A	Dallas	
J30A7	J30A7	
J30C	J30C	
J30M	Hart River	
J31A	Geddes	
J31A7	J31A7	
J31C	J31C	
J32A	Parkston	
J32C	J32C	
J33A	Davis	
J33A7	J33A7	
J33B	J33B	
J33C	J33C	
J34A	George	
J34A7	J34A7	
J34C	J34C	
J35A	Milford	
J35A7	J35A7	
J35C	J35C	
J36A	Seneca 1, Swea City	
J36A7	J36A7	
J36C	J36C	
J37A	Redenius Farm, Forest	
J37A7	J37A7	
J37C	J37C	
J38A	Wedel Dairy, Riceville	
J38A7	J38A7	
J38C	J38C	
J39A	Decorah	
J39A7	J39A7	
J39C	J39C	
J40A	Soldiers Grove	
J41A	Loganville	
J41A7	J41A7	
J41C	J41C	
J42A	Columbus	
J42A7	J42A7	
J42C	J42C	
J43A	Natural Harvest Farm, Hartford	
J43A7	J43A7	
J43C	J43C	
J44A	J44A	
J44C	J44C	
J45A	Montague	
J45A7	J45A7	
J45C	J45C	
J46A	Howard City	
J46A7	J46A7	
J46C	J46C	
J47A	Sunmer	
J47A7	J47A7	
J47C	J47C	
J48A	Bridge Port	
J48A7	J48A7	
J48B	J48B	
J48C	J48C	
J49A	Marlette	
J49A7	J49A7	
J49C	J49C	
J50A	J50A	
J50C	J50C	
J51A	J51A	
J51C	J51C	
J52A	Paris	
J52A7	J52A7	
J52C	J52C	
J53A	J53A	
J53C	J53C	
J54A	Appleton	
J54A7	J54A7	
J54C	J54C	
J55A	Hilton	
J55A7	J55A7	
J55C	J55C	
J56A	Wolcott	
J57A	Williamstown	
J57A7	J57A7	
J57C	J57C	
J58A	Remsen	
J58A7	J58A7	
J58C	J58C	
J59A	Piesco	
J59A7	J59A7	
J59C	J59C	
J60A	Lant Hill Farm, Argyle	
J61A	Chester	
J61A7	J61A7	
J61C	J61C	
J62A	Henniker	
J63A	Strafford	
J63A7	J63A7	
J63B	J63B	
J63C	J63C	
J65A	J65A	
J65C	J65C	
J67A	J67A	
J67C	J67C	
J68A	J68A	
J68C	J68C	
J69C	J69C	
J73A	J73A	
J73C	J73C	
JA-	Jasper	JA-MN
JAA	Atsumi	
JAB	Ashibetsu	
JABT	Abashiri-tokoro	
JAC	Jacksonville	
JAC01	Canania-SP	
JACH	Jahuel	
JACO	JACO, Garabito, Puntarenas	
JACV	Jacura	
JAD	Aida	
JAG	Ashikaga	
JAGI	Jajag, Banyuwangi	
JAGN	Aguni-jima	
JAH	Hinai	
JAHD	Aomorihigashidori	
JAI	Aioi	
JAJ	Awaji shima	
JAJ2	Tsuna	
JAK	Akkeshi	
JAKH	Jacmel	
JALM	Almaden	AMC
JAM	Amami Oshima	
JAMA	Jama	
JAMC	Jamundi, Valle del Cauca	
JAMN	Amaminishikomi	
JA-MN	Jasper	
JAMO	Monjas	
JAN	Janina	
JAN03	Januaria	
JAN06	Januaria	
JAN07	Januaria	
JAN08	Januaria	
JAN09	Januaria	
JAN2	Jannena	
JAN3	Jannena	
JANA	Janakpur	
JANB	Januaria	
JAND	Jandula	
JANG	Nango	
JAO	Obara	
JAOM	Aogashimamukaizawa	
JAP	San Jose, Antique	
JAPN	Al SSO del Volcan Masaya	
JAQ	La Grande 3	
JAR	Ashorobuto	
JARAX	Ej. Heriberto Jara	
JARJ	Jarash	
JARK	Aomorirokkasho	
JAS	Jamestown	
JAS1	Jamestown	
JASI	Sangir Balai Janggo, Sumatera Barat	
JASK	Jask - Hormozgan	
JASL	Jaisalmer	
JAT	Jato	
JATB	Jatai	
JAU	Jaout	
JAUF	Jausiers	
JAUN	Jaun, Euschelspass, FR	
JAUV	Jalcomulco	
JAVC	Velka Javorina	
JAVS	Javornik	
JAW	Awa shima	
JAWI	Jawi	
JAWL	J.Aulia	
JAWN	Awajishima-nagasawa	
JAY	Jayapura	
JAYA	Jayaque - finca La Azucena	
JAZS	Jizan	
JAZS2	Jazan	
JBB	Jbel Babet	
JBBQ	Temiscaming	
JBCM	Bear Creek Road	LT15
JBEP	Beppuamama	
JBG	Jabagly	
JBGM	Bear Gulch	BGH
JBJI	Jasinga, Jawa Barat	
JBJM	Jepon, Jawa Tengah	
JBK	JBK	
JBLM	Camp Ben Lomond	
JBLZ	Jubilee	
JBMM	Black Mountain	
JBNB	Ben Lomond Mountain, Santa Cruz County	
JBO	Jordan Butte	
JBP	Jabalpur	
JBPC	Jardin Botanico, Parque La Carolina, Iaquito, Quito, Ecuador	
JBQ	La Grande 3	
JBRM	Jenolan Black	
JBT	Biratori	
JBT2	Biratori 2	
JBZM	Buzzard Lagoon Road	
JC04	Joao Camara	
JC05	Joao Camara	
JC06	Joao Camara	
JC1B	Joao Camara	
JC20	Joao Camara	
JCAJ	Choshiashikajima	
JCBM	Chesbro Res.	CBO
JCC	Jacoby Creek, Bayside	
JCCN	Chibachonan	
JCE1	John's Creek	
JCH	Churui	
JCHM	Cahill Ridge	
JCJ	Chichijima	
JCJI	Jatiwangi	
JCK	Jackerath	
JCM	Jocotitlan	
JCMO	Jefferson College	
JCN	Nagara	
JCNB	Joaquin Canyon North	
JCNP	Jose Panganiban, Camarines Norte	
JCPM	Coyote Point	
JCQ	La Grande 3	
JCR	Jicaral	
JCR1	Jicaral	
JCSB	Joaquin Canyon South	
JCT	Junction City	
JCUZ	Jacuzzi	
JCW	Jim Creek	
JCZ	Jackson Bay	
JDC	Jersey Dam (Crest)	
JDG	Jersey Dam (Gallery)	
JDN	Jardin	
JDO2	jindo	
JDRJ	Daraweish	JRDJ
JE-	Jena (USA)	JE-LA
JECB	Eureka Canyon	
JECH	Jecheon	
JECI	Jenson Cabin	
JECM	Eureka Canyon	EUC
JEDB	Jedway, Haida Gwaii	
JEDS	Jeddah	
JEF	Cerro Jefe	
JEFFS	S de V. Baru	
JEG	Eigenji	
JEGM	El Granada	
JEHI	Jehsanih	
JEJB	Jeongja	
JE-LA	Jena	
JELB	Ellicott, Santa Cruz County	
JELM	Ellicott	
JEM	Erimo	
JEN	Jena	
JENM	Jeeralang Junction	
JEPS	Jepson Natural Reserve, California	
JER	Jerusalem	
JERN	Jeri Cho Mine, NWT	
JESI	Jesi	
JESS	Jessore	
JET	Tanbara	
JETT	Jettan, Norway	
JEW	Eniwo	
JEWT	Jewett Creek	
JFA	Akaike	
JFFD	Fukushimafurudono	
JFI	Itaya	
JFK	Kawauchi	
JFM	Mihama	
JFNN	Fujinakano	
JFO	Juiz de Fora	
JFP	Foothills Park , Santa Clara County	
JFR	Furan	
JFS	Joseph F. Staten	
JFT	Otama	
JFU	Fukue jima 2	
JFWS	Jewell Farm	
JFY	Yanaizu	
JGF	Kuroka	
JGI	Juniper Gulch	
JGK	Kuni	
JGM	Miyama	
JGN	Niukaw	
JGNA	jeungsan	
JGT	Gotsu	
JGT2	ShimaneMisato	
JHA	Jbel Lahdid	
JHBN	Jahan bin	
JHC	Johnson Canyon	
JHCJ	Hachijojimakashitate	
JHD	Hondo	
JHE	Heguri	
JHG	Hegura jima	
JHGM	Hagimishima	
JHH2	Haha-jima-NKT2	
JHHC	Hyugahichiya	
JHHJ	Haha-jima-NKT	
JHHS	Hirosakihyakuzawa	
JHI	Jorhat	
JHIK	Hikimi	
JHJ	Hachijo jima 2	
JHJ2	Mitsune	
JHJR	Jhajjar	
JHK	Hiroka	
JHLM	Holstrom Ranch	
JHLN	Al Jahlan	
JHM	Kurahashi	
JHMI	Jailolo, Maluku Utara	
JHMK	Hamakita	
JHMO	Hiroshima-ondo	
JHN	Johnson	
JHNI	Jhansi	
JHO	Hitachi	
JHP	Judd Hill Plantation	
JHPM	Huddart Park	
JHR	Hokuryu	
JHRM	Jahrom	
JHS	Saijyo	
JHSG	JHARSUGUGA	
JHST	Hiyamasetana	
JHT	Toyohira	
JHTJ	Haterumajima	
JHTM	Izuhatsuma	
JHU	Hanno	
JHU2	Hanno	
JHUM	Huhtala Lane, Santa Cruz County	
JHY	Hiyama	
JHYU	Hitachinakayamanoue	
JIAM	Iburiatsuma	
JICN	Ichinomiyachiaki	
JIDR	Jimani	
JIE	Ise	
JIG	Jinotega	
JIH	Iheya	
JIHU	Itakohorinouchi	
JII	Iki	
JIJ	Ishigaki jima 2	
JIKH	Ishinomakikobuchihama	
JIKM	Ikemajima	
JIL	Jilotepec	
JILO	Lwanjilo	
JIM	O shima 2	
JIM2	Oshima 3	
JIMA	Ethiopian Broadband Seismic Experiment	
JIME	Puerto Jimenez	
JIMR	Jimbolia	
JIN	Jindabyne	
JIND	Jindrichovice	
JIO	Ouri	
JIPI	JIPIJAPA	
JIR01	Jirau	
JIR1	Jirandeh	
JIRB	Irabujima	
JIRI	Jiri	
JIRJ	Irabujima	
JIRN	Jiri	
JIRU	Iriomotejima-uehara	
JIS	Juneau Island	
JISG	Ishigakijimahirakubo	
JISK	Izumosakaura	
JISS	Ishikarishitsubu	
JIU	Izumi	
JIU2	Izumi 2	
JIU3	Izumi3	
JIW	Iwasaki	
JIZ	Nakaizu	
JIZN	Jizan	
JIZS	Izushimoda	
JIZZ	Izumozaki	
JJG	Jouge	
JJH	Hakui	
JJK	Kushima	
JJN	Nakama	
JJO	Oda	
JJOM	Saint Joseph's Hill	
JJRM	Joaquin Road	
JJS	Sakaide	
JJT	Tamagu	
JJT2	Tamagusuku 2	
JJT3	Tamagusuku3	
JKA	Kamikawa-asahi	
JKB	Kayabe	
JKC	Kuchinoerabu	
JKD	Kudamatsu	
JKDJ	Kitadaitoujima	
JKE	Kume jima 2	
JKEN	Kujiedanarisawa	
JKG	Kaga	
JKHN	Kushirohamanaka	
JKHR	Kochiharuno	
JKI	Kunimi	
JKIT	Kitakata	
JKJ	Kijyo	
JKJA	jukjang	
JKK	Kamikawa	
JKK2	Kamakawa 2	
JKKG	Kakegawa	
JKKS	Kakegawashinomba	
JKM	Jackman	
JKMT	Kesennumamotoyoshi	
JKN	Kiinagashima	
JKN2	Miekihoku	
JKO	Kozu shima	
JKR	Kurayoshi	
JKRS	Kuro-shima	
JKS	Kasai	
JKSM	Kasumi	
JKT	Katashina	
JKU	Kubokawa	
JKUC	kamogawauchiura	
JKY	Yasaka	
JKZ	Kuzumaki	
JLAB	Laurel Hill	
JLAM	Laurel Hill	
JLDW	Jackson Lake Dam	
JLK	June Lake	
JLN	Jalan Bani Buhassan	
JLOS		
JLP	Les Platons	
JLPM	Loma Prieta	
JLSA	jirisan	
JLTM	Los Trancos	LTW
JLU	Jordanelle	
JLXM	Lexington Res.	LXR
JMAF	Mimaanabuki	
JMAG	Jamag	
JMB	Yambol	
JMBI	JAMBI	
JMD	Masuda	
JMDO	Jabal Madar	
JMG	Jumaytepeque	
JMGM	Milagra Ridge	MGA
JMH	Hososhima	

Code	Station Name	Other
JMI	Jan Mayen	
JMIC	Jan Mayen	
JMIK	Miki	
JMIM	Jan Mayen temporary station	
JMIU	JAMIA UNIVERSITY	
JMJ	Miyako jima 2	
JMJ2	Miyako jima3	
JMK	Ichinoseki	
JMKN	Mikurajimanishikawa	
JMM	Marumori	
JMMH	Miemihama	
JMN	Monobe	
JMOS	Jabal al Moallq	
JMP	Maruseppu	
JMPM	Menlo Park	
JMQS	Jabal Moqyreh	
JMS1	Jamestown	
JMSI	Jangkat, Jambi	
JMST	Minamisoumatochikubo	
JMT	Mikata	
JMTN	Minamitane	
JMU	Jammu	
JMUI	Jamui	
JMY	Miyakejima3	
JMYK	Miyake Tsubota	
JMZ	Minamidaito 2	
JN-	Johnston I.	JN-IS
JNA	Nagahama	
JNAM	New Almaden Mine	
JNAR	Kushima--Naru	
JNB	Noboribetsu	
JNBK	Urakawa-nobuka	
JNE	Jan Mayen East	
JNG	Nsakai	
JNH	Juniper Hills	
JNHA	Jinhae	
JNI	Jehonathan	
JNIO	Niijimaoohara	
JN-IS	Johnston Island	
JNJ	Junjel	
JNJA	AfricaArray/PSU - ZP	
JNK	Nakash	
JNKA	Junkia	
JNKG	Nichinankitagou	
JNKS	Jany-Kuch	
JNL	Jenolan Caves	
JNM	Ikuma	
JNMT	Numata	
JNN	Nakanoshima	
JNPA	Jeungpyeong Acc Borehole	
JNS	Sasagawa	
JNSB	Nemuroshibetsu	
JNT	Takato	
JNTH	Nagotoyohara	
JNTK	Naratenkawa	
JNTW	Noshirotokiwa	
JNU	Nakatsue	
JNW	Jan Mayen West	
JNY	Yasuok	
JNYA	Jinyeong	
JO-	Jordan	JO-MN
JOAQ	Joaquin Lookout	
JOB	Onbets	
JOD	Odawara	
JOD2	Odawara 2	
JODB	Jodo	
JOE	Joensuu	
JOF	Joensuu	
JOFO	Osakifurukawaosaki	
JOFS	JOFS	
JOG	Oga	
JOG2	Oga 2	
JOG3	Oga3	
JOGS	Gusukube	
JOH	Johannesburg	
JOHAN	St. Johann (BS)	
JOHN	Johnston Island	
JOI	OKI	
JOK	Jbel Ouklim	
JOKA	Jonika Flow	
JOKE	Okinoerabujima	
JOL	Jolon Road	
JOM	Ohasama	
JOMM	Oshimamatsumae	
JO-MN	Jordan	
JON	Johnnie	
JOPP	Joppolo	
JOR	Okushj	
JOR1	San Jorge 1	
JORD		
JORG	San Jorge	
JORH	JORHAT	
JORV	Jorden Valley SMO	
JOS	Josvafo	
JOSE	SAN JOSE	
JOSI	Joshimath	
JOSM	Okushiri--Matsue	
JOSN	Second Sedna Site,Hudson Bay	
JOSR	Joseni	
JOT	Ohata	
JOTO	OTAMA OYAMA	
JOU	Okura	
JOW	Kunigami	
JOZ	Jozini	
JP-	Jasper	JP-AT
JP-AT	Jasper	
JPC	Peters Creek, San Mateo County	
JPG	JALPAIGURI	
JPJI	Jatiluhur, Jawa Barat	
JPK	Jack Peak	
JPLM	Pleasant Valley	PEV
JPPM	Portola Park	LT3
JPRM	Presidio of San Francisco	
JPSI	Jurai, Sumatera Barat	
JPSM		PSD
JQE	Queens East	
JQT1	Jequitai-MG	
JQX	Jiquilpan	
JR-	Jerome	JR-AZ
JRA	Rausu	
JR-AZ	Jerome	
JRB	Jirisan	
JRBB	Jordan River	
JRBN	Rebuntou	
JRC2	Joshua Ridge	
JRDJ	Daraweish	
JRG	Rokugo	
JRGM	Rodeo Gulch Road	
JRKH	Jarkhoshk	
JRMM	Jerantut	
JRN	Qarnain Island	
JRO	Jston Ridge Obs	
JRQG	Juriquilla Campus	
JRR	Rishiri	
JRRM	Redwood Retreat	
JRS	Jersey	
JRSC	Jasper Ridge	
JRSJ	J Risha	
JRTX	Jordan Ranch	
JRWM	Joshua Ridge West	
JRY	Ryogami san	
JS-	Jackson	JS-TN
JSA	Saint Aubin	
JSAM	San Andreas	SAC
JSB	Shiboa	
JSBFM	Jereweh	
JSBM	San Bruno Mountain	
JSC	Jenkinsville	
JSCH	Cashca Tororas, San Jose de Chimbo	
JSCL	Mazangano	
JSCM	Stevens Creek	SEC
JSD	Sado	
JSE	Soyaes	
JSFB	Stanford Telescope, Santa Clara County	
JSFM	Stanford	SFT
JSG	Sagara	
JSGM	Saratoga Golf Course	SGC
JSGW	Sagamiharawakayanagi	
JSH	Shimam	
JSHD	Hidakashinhidaka	
JSI	Shiura	
JSI2	Shiura 2	
JSJ	Shimokoshiki	
JSJM	St Joseph	SJH
JSK	Shakotan	
JSK1	Jask	
JSKE	Saikikamae	
JSKK	Shikinejimakita	
JSLM	San Andreas Lake	
JSM	Jim Sage Mountain	
JSMM	Sawmill Road	
JSMT	Sammumatsuo	
JSOJ	Natural Resources Authority	
JSR	Shiriuchi	
JSRW	J. Sargeant Reynolds Community College	
JSS	Shosan	
JSSH	JASK -SHIRAHAN	
JSSM	Soda Springs	SOS
JSST	Shinshiro-tsukude	
JSSY	Shinshiroyabe	
JSTM	Santa Teresa Hills	
JS-TN	Jackson	
JSU	Suzuyama	
JSZ	Suzu	
JSZI	Iwateshizukuishi	
JTA	Tamana	
JTAJ	Takarajima	
JTB	Tobi-shima	
JTG	Taga	
JTGM	Trout Gulch Road	
JTH	Tanohata	
JTHR	Tokachihiroo	
JTHY	Toshimahigashiyama	
JTJ	Tarama	
JTJM	Jampang Tengah, Jawa Barat	
JTK	Tokunoshima	
JTKR	Abashiri--Tokoro	
JTM	Tenmabayashi	
JTMT	Jette	
JTN	Tanegashima 3	
JTNC	Tanabenakahechi	
JTO	Tosashimizu	
JTR	Joshua Tree Park	
JTRM	Los Trancos Road	
JTS	Las Juntas de Abangares	
JTSM	Tsushimamitsushima	
JTSN	Tsuno	
JTSR	Tashiro 2	
JTT	Ttatey	
JTU	Tsushima	
JTY	Toyota	
JTZ	Takazaki	
JU-	Juno	JU-TX
JUA	Alcaldia, municipal de Juayua	
JUA2	San Juan 2	
JUAM	Asuncion Mita	
JUAN	San Juan	
JUBA	Jubany	
JUBC	Volcan de Colima JUBA	
JUCA	Juchon	
JUCM	University of California, Santa Cruz	
JUCU	Jucuarn	
JUD	Juan Diaz	
JUD2	Juan Diaz 2	
JUD3	Juan Diaz 3	
JUE	Julich	
JUEM	Julian Eagle Mine	
JUG	Jugenheim	
JUI3	Juive 3	
JUI6	Juive	
JUIV	Juive	
JUJ	Jujuy	
JULC	Julian	
JUM	Jug	
JUMK	Jumkunaria	
JUMM	Mount Umunhum	
JUMO	Montufar	
JUND	Jungingen	
JUNG	Jungingen	
JUNT	Juntas	
JUON	Uonuma	
JUQB	Juquia	
JUR	Ureshino	
JURR	Jurilovca	
JURS	JURS	
JUS	Usuki	
JUT0	Polideportivo Conguaco	
JUT1	Aldea Palo Blanco	
JUT2	Volcan Moyuta, Jutiapa	
JUT3	San Pedro, Conguaco	
JUTIH	Juticalpa Olancho	
JU-TX	Juno	
JVI	Jordan Valley	
JVM	Valle D.L. Mare	
JVW	Jocassee View	
JWA	Jwalamukhi	
JWJM	Juwangi, Jawa Tengah	
JWK	Wakkake-Misaki	
JWK2	Keihoku	
JWKM	Wakayamakushimoto	
JWL	Jwalamukhi	
JWM	Minabe	
JWSM	Woodside	WDS
JWT	Wachi	
JWY	Kouya	
JWZ	Kozaga	
JYA	Atsumi	
JYAK	Yakushimahirauchi	
JYAR	Yonezawaarcadia	
JYG	Yagishiri	
JYJ	Yonaguni jima 2	
JYK	Kaneyama	
JYM	Yakumo	
JYM2	Yakumo 2	
JYN	Shimob	
JYNG	Yonagunijimakubura	
JYO	Yokosk	
JYP	Jyotipuram	
JYRO	Yoronjima	
JYS	Shirataka	
JYSA		
JYT	Yasato	
JYTA	Yamagatataniai	
JYW	Yuwa	
JYYZ	Yamagatayuza	
JYZW	Yoshizawa	
JZAX	Jizzakh	
JZK	Kikaishima	
JZO	Okuchi	
K01	Nishinai	
K01A	Sixes	
K02	Yamasaki	
K02A	Glendale	
K02D	Willamette Meridian	
K03	Shimotochinai	
K04	Kokoji	
K04A	Chilquin	
K04D	Chiloquin, OR	
K05	Ishipane	
K05A	Summer Lake	
K06	Arakawa	
K06A	Valley Falls	
K07	Kotohata	
K07A	Rock Creek Ranch, Frenchglen	
K08	Monomi-yama	
K08A	Mann Creek Ranch, Princeton	
K09	Ooide	
K09A	Rome	
K10	Oonodaira	
K10A	MacKenzie Ranch, Jordan Valley	
K11	Fujikirizawa	
K11A	Parker Ranch, Bruneau	
K12	Koide	
K12A	Draper Farm, Castleford	
K13A	Stover Farm, Hazelton	
K13K	Kusilvak Mountain	
K14A	Jones Ranch, Declo	
K15A	Arbon	
K15K	Wolf Creek Mountain	
K16A	Soda Springs	
K17A	Gardner Place, Afton	
K17K	Iditarod	
K18A	Toltan Ranch, Big Piney	
K19A	Absolon Red Butte, Lander	
K20A	Yellowstone Ranch, Lander	
K20K	Telida	
K21A	Alcova	
K22A	Casper	
K23A	Bowen Ranch, Douglas	
K24A	Anderson Ranch, Keeline	
K24K	Donnelly Dome	
K25A	Mack Ranch, Harrison	
K26A	Motz Farm, Whitney	
K27A	Flueckinger Farm, Gordon	
K27K	Chicken	
K28A	Ten Mile Ranch, Cody	
K29A	Lazy Trails Angus Ranch, Wood Lake	
K29M	Barlow Dome	
K30A	Basset	
K30B	Basset	
K31A	O'Neill	
K32A	Verdigre	
K33A	Hardington	
K34A	Le Mars	
K35A	Storm Lake	
K36A	Gilmore City	
K37A	Belmond	
K38A	Parkersburg	
K39A	Oelwein	
K40A	Colesburg	
K41A	Shullsburg	
K42A	Prairie Point, Evansville	
K43A	Burlington	
K46A	Dorr	
K47A	Vermontville	
K48A	Perry	
K49A	Clarkson	
K50A	Casco	
K51A	Iona Station	
K52A	Tillsonburg	
K54A	Basiliko Farm, Boston	
K55A	Perry	
K56A	Middlesex	
K57A	Scipio Center	
K58A	Earlville	
K59A	Cooperstown	
K60A	Five Rivers Env. Education Center, Delmar	
K61A	Williamstown	
K62	K62	
K62A	Royalston	
K63A	Dunstable	
KAA	Karratha	
KAAM	Kaadhehdhoo	
KAAO	Kabul (SRO)	KBL
KAAZ	Kauri Point	
KAB	Kabansk	
KABR	Katmai Barrier Ridge	
KABU	Katmai Buttress	
KAC	Achnashellach	
KAC1	Kato Achaia	
KACW	Kaceov	
KAD	Karad	
KADD	Katsuyama	
KAE	Kaena	
KAF	Kangasniemi	
KAFS	Kawerau Fire Station	
KAG	Kagoshima	
KAGG	Kagssortoq	
KAGH	KALAT	
KAGI	orum-Kargı	
KAGJ	Kagoshima 2	
KAH	Kaushut	
KAHC	Katmai Hardscrabble Creek	
KAHG	Katmai Hook Glacier	
KAHM	Kahramanmaras, Dulkadiroglu	
KAHNZ	Kaharoa	
KAHT	Ahir Dag	
KAHTU	Kahta	
KAHZ	Kahuranaki	
KAI	Kaimata	
KAIC	Katmai Ikagluik Creek	
KAIM	Kayak Island	
KAIR	Katav-Ivanovsk	
KAJ	Kashiwara	
KAJD	Katsuyama	
KAJQ	Kangiqsualujjuaq	
KAK	Kakioka	
KAKA	Kakadu	
KAKJ	Kakioka Outpost	
KAKN	Katmai Knife Crk	
KAL	Kalocsa	
KAL3	Kalamata	
KALB	Balgarevo	
KALE	Kalithea	
KALEH	Kalehe	
KALG	Kalgarh	
KALI	Kaliastana	
KALIN	Kalinovik	
KALN	Kalnik	
KALO	Kalowe	
KALP	Kalibo	
KALT1	Kaltan 1	
KALT2	Kaltan 2	
KALT3	Kaltan 3	
KALU	Kalix	
KAM	Kameyama	
KAMA	Osmaniye	
KAMM	Forsthaus Kammerforst	
KAMOR	Kamor	
KAMP	Kamchatka Peninsula	
KAMR	Kamenskoye	
KAMRY	Kamaran Island	
KAMS	Al Khamasin	
KAMT	Kaman	
KAMZ	Kamo	
KAN	Kanazawa	
KAN01	Argonia South Station	
KAN05	Bluff City North Station	
KAN06	Argonia West Station	
KAN08	Anthony NE Station	
KAN09	Caldwell North Station	
KAN10	Anthony SW Station	
KAN12	Harper NE Station	
KAN13	South Haven SW Station	
KAN14	Manchester OK Station	
KAN16	Harper SW Station	
KAN17	Caldwell West Station	
KAN2	Kanazawa 2	
KANBL	Kanowna Belle, Kanowna, WA	
KAND	Kocaeli-Kandira	
KANH	Kanahau	
KANJ	Kanazawa	
KANL	Kalivia Analipseos	
KANM	Kanangra Walls	
KANO	Kano Inlet	
KANON	KANO	
KANR	Karaman	
KANR0	Anar	
KANT	Kantara	
KAO	Kapuskasing	
KAONZ	Kaokaonui	
KAP	Karpathos	
KAPH	Katmai Pasha	
KAPI	Kappang	
KAPK	Kapoka	
KAPO	Kapuskasing	
KAPOR	Kaporo	
KAPS	Kapalarasan	
KAPZ	Kaputan	
KAQ	La Grande 4	
KAR	Karachi	
KAR1	Arisaig	
KAR2	Kardistsa	
KAR3	Karbala	
KARA	Karaisali	
KARAT	Karrat, Base Station, Greenland	
KARAX	Ethiopian Broadband Seismic Experiment	
KARB	zmir-Karaburun	
KARD	Karad	
KARE	Kearney REC, California	
KARG	Kargicak-Mersin	
KARI	Karibib	
KARIA	Karia	
KARJ	Dead Sea	
KARK	Karmadon	
KARL	Karlsruhe, Majolikafabrik	
KARM1	KARONGA	
KARN	Karanos	
KARO	Karliova-Bingol	
KARP	Karpathos	
KARR	Katmai Rainbow River	
KARS	Kars	
KART	Kargi	
KARV	Kedem Haarava	
KARY	Karystos	
KARZ	Kaharoa	
KAS	Kastamonu	
KAS2	Kastoria	
KASA	Kassiopi	

Code	Station Name	Other
KASC	Karamea School	
KASE	Kaseeta	
KASI	Kota Agung	
KASK	Kaskelen	
KASM	Array-Uganda/Tanzania zania - ZP	
KASO	Kasabonika Lake, First Nations Ontario	
KASR	Kasr	
KAST	KASTAMONU	
KASTN	Kahler Asten	
KAT	Kizyl-Arvat	
KAT1	Katerini	
KATE	AfricaArray/PSU - ZP	
KATL	Kadamtala	
KATM	Katima Mulilo	
KATS	Katnaghbyur	
KATZ	Kakaramea	
KAU	Kaohsiung	
KAUP	Kaohsiung Port	
KAUR	Kamensk Uralskiy	
KAUST	King Abdullah University of Science and Technology	
KAV	Kavieng	
KAVA	Kavala	
KAVG	Kavieng	
KAVS	Kavala, KAV	
KAVV	Kandilli-Istanbul	
KAVZ	Karewarewa	
KAW	Gangneung Acc Borehole	
KAWH	Katmai	
KAY	Katlanovo	
KAYA	Kayacik-Havza(Samsun)	
KAYN	Sakarya, Kaynarca-Tasoluk	
KAZ	Karuizawa	
KAZ1	Kazerun	
KAZ2	Kazeron-Fars-Iran	
KB1O	Rock site, Kinburn Side Road	
KB2O	John Shaw Road	
KB3O	Grant Side Rd.	
KB4O	Donald B. Munro Dr,	
KB5O	Diamondview Rd.	
KB6O	John Shaw Road, remote	
KBA	Koelnbreinsperre	
KBAM	BAM	
KBAZ	Karaka Road Borehole	
KBB	Kelsey Bay	
KBBA	Kibumba	
KBBI	Kintamani, Bali	
KBBM	Bear Butte	
KBC	Kumba	
KBD	Kabd	
KBDG	Kleinbodungen	
KBE	Kobe	
KBF	Kyburz Flat	
KBG	Krutoberegovo	
KBH	Kobugahara	
KBH1	Kgwebe Hills	
KBI	Kettle Butte	
KBI1	Birley Grange	
KBJ	Kelbejer	
KBJM	Kunduran, Jawa Tengah	
KBK	Karagaybulak	
KBKI	Kotabaru	
KBKS	Kabaktan	
KBL	Kabul	
KBLE	AfricaArray/PSU - ZP	
KBM	Katmai Bkd Mtn	
KBN	Korca	
KBNM	Bluenose Ridge	
KBO	Bosley Butte	
KBQ	La Grande 4	
KBR	Kanchanaburi	
KBR01	Khaybar	
KBR02	Khaybar	
KBR03	Khaybar	
KBR04	Khaybar	
KBR05	Khaybar	
KBR07	Khaybar	
KBR08	Khaybar	
KBR09	Khaybar	
KBR10	Khaybar	
KBR11	Shajwa	
KBR12	Shajwa	
KBR13	Birmah	
KBRM	Barry Ridge	
KBRS	Khaybar	
KBS	Kingsbay	
KBSD	Kabsdagh	
KBSM	Bell Springs	
KBT	Komakuk Beach	
KBTC	Kuba-Taba	
KBTI	Kibati	
KBTR	Krutoberegovo 1	
KBU	Kabul University	
KBUK	KARABUK-Merkez	
KBY	Kobayashi Ranch	
KBZ	Khabaz	
KBZS	Brezje pri Sen	
KC-	Kansas City	KC-MO
KCA	Cave	
KCC	Kaiser Creek	
KCE	Katmai Mt Cerb's	
KCG	Knife Ck. Glacier	
KCH	Monts Chateau	
KCHF	Cheshme Sefid, Kermanshah	
KCHI	Karachi	
KCHK	Khachik	
KCHT	Kechabta	
KCI	Kelly Canyon	
KCM	Kilenge	
KC-MO	Kansas City	
KCN	Ketchikan	
KCP	Kidapawan	
KCPM	Cahto Peak	
KCQ	La Grande 4	
KCRM	Chalk Rock	
KCSI	Kotacane, Aceh	
KCSM	Cold Springs	
KCT	Karacabey	
KCTM	Capetown	
KCTX	Karacabey (Bursa)	
KCY	Kuchiyama	
KD1	Kodiak	
KD2	Kodiak	
KD3	Kodiak	
KDA	Kuranda	
KDAG	Bornova	
KDAK	Kodiak Island	
KDB	Konedobu	
KDC	Kodiak Island	
KDE	Karadeniz	
KDG	Kedougou	KED
KDHN	Kadinhani	
KDI	Kendari	
KDJ	Kajisay	
KDK	Khodzhikent	
KDKW	Coast Env Seattle	
KDM	Kudat	
KDMR	Kurdemir	
KDN	Kodinsk	
KDOH	Killdeer Plains Wildlife Area	
KDR	Kadzharan	
KDS	Kedougou	
KDT	Kodera	
KDTR	Khodutka, Kamchatskaya Oblast',Russia	
KDU	Kakadu	
KDUT	Kidman Hollow	
KDV	Kandavu Island	
KDVU	Mokoisa, Kandavu	
KDWAN	Kaudwane	
KDZ	Kurdzhali	
KDZE	Karadeniz Ereoli	
KDZV	Kedmat Zvi	
KE-	Kennewick	KE-WA
KEA	Kealakomo	
KEA00	Center of French Array, Koutavos Park, Argostoli (Cefalonia, Greece)	
KEAIE	Zoodochos Pigi, KEAI	
KEB	Keban	
KEB01	Center of German array, Koutavos Park, Argostoli (Cefalonia, Greece)	
KEBB	NEPTUNE Canada Endeavour West	
KEBE	Keben-Mersin	
KEBM	Edson Butte	
KEC	Kecskemet	
KECS	Kecovo	
KED	Kedougou	
KED*	Kedougou	KDS
KEDI	Kedomdong	
KEE	Keen Camp Maintenance Station	
KEEL	Keeler	
KEF	Keuruu	
KEF1	Kardakata, Kephalonia	
KEF2	Argostoli. Kephalonia	
KEF3	Kipouria, Kephalonia	
KEF4	Livadi, Kephalonia	
KEF5	Kardakata, Kephalonia	
KEFOR	Forestry Corps, Argostoli (Cefalonia, Greece)	
KEGD	Kibutz Ein-Gedi	
KEH	Kehvi	
KEIM	Keimoes	
KEIT	Keiteng, Limpopo	
KEK	Kerkira	
KEKH	Kekaha	
KEKS	Kekerengu Valley Road	
KEKT	Kekliktepe	
KEL	Kelud	
KELA	Mount Kelaz	
KELB	Kelsey	
KELC	Kelly Hill Caves	
KELI	Kelakatan	
KELR	Kotokel	
KELT	Kelkit	
KEM	Kemerovo	
KEMA	Kemaliye	
KEMF	NEPTUNE Canada Main Field	
KEMO	NEPTUNE Canada Mothra	
KEMT	Kemer-ANTALYA	
KEN	Kenai	
KEN1	Kenya Marble PS	
KEN2	Magadi Soda Vault	
KEN3	Shompole Clinic	
KEN4	Ngurumani	
KENC	Cerro Kenedy	
KEP	King Edward Point	
KEPZ	Antalya-Kepez	
KER	Kermanshah	
KER02	Argostoli (Greece)	
KERA	Keramoti	
KERG	Konya-Eregli	
KERI	Keren	
KERN	KERN	
KERU	Kerch	
KES	Ksar Es Souk	HAD
KES02	Argostoli (Greece)	
KES04	Argostoli (Greece)	
KES06	Argostoli (Greece)	
KES08	Argostoli (Greece)	
KES11	Argostoli (Greece)	
KES13	Argostoli (Greece)	
KES14	Argostoli (Greece)	
KES16	Argostoli (Greece)	
KES18	Argostoli (Greece)	
KES20	Police station, Argostoli (Cefalonia, Greece)	
KES22	Argostoli (Greece)	
KES29	Argostoli (Greece)	
KESK	abatobası, Keskin, Kırıkkale	
KESN	Edirne-Kesan	
KEST	Kesra	
KESW	Keswick, Cumbria	
KET	Keravat	
KETL	Kettleman Hills	
KETS	Keti	
KETSN	Seeheim	
KETU	Ketumbeine	
KETZ	Ketetahi	
KEUT	Kanab	
KEV	Kevo	
KEV1	Kevo	
KEW	Kew	
KE-WA	Kennewick	
KEWM	Kewanee	
KEY	Kluane	
KEY1	Keyworth	
KEY2	Keyworth	
KFA	Klagenfurt	
KFAL	Klamath Falls	
KFC	Kentfield	
KFH	Kaoiki Faults	
KFHS	Kaweka Forest Headquarters	
KFJS	Khafji	
KFJS1	Al Wafrah	
KFJS2	Khafji	
KFL	Anninata	
KFL1	Kefalonia,Entrance TEI,Greece	
KFL4	Kefalonia,Diatiritea,Greece	
KFL5	Kefalonia,Trifylli,Greece	
KFNJ	Kafrein	
KFO	Klamath Falls	
KFPM	Farley Peak	
KFRA	Kufra	
KFTR	Kaftarguzar	
KFU	Kofu	
KG-	Kingman	KG-AZ
KG-AS	Kingman	
KG-AZ	Kingman	
KGCAE	Kacgae	
KGCM	Kwandang, Gorontalo	
KGD	Kothagudem	
KGE	Kanggye	
KGF	KGF	
KGI	Kellogg	
KGJ	Kitakami	
KGL	Cahul	
KGM	Kluang	
KGMA	Kigoma	
KGMK	Kamigamo	
KGMM	Grouse Mountain	
KGN	Komagane	
KGNI	Kongan	
KGNO	Kingston	
KGR	Kogok River	
KGS1	Ghasr-e-Shirin	
KGSKZ	Kyrgizsay	
KGT	Karabiga	
KGUR	Krasnodar	
KGW	Kakegawa	
KH-	Kohls Ranch	KH-AZ
KHA	Khancoban	
KHAF	Khaf	
KHAL	Karahalli	
KHAM	Kharkiv	
KHAR	Kharino, NSO, Russia	
KHAT	Khait	
KH-AZ	Kohls Ranch	
KHB	Jabal al Khashab	
KHB1	Khanabri-I	
KHBM	Hayfork Bally	
KHBR	Khabarovsk	
KHC	Kasperske Hory	
KHDR	Khidirli, Azerbaijan	
KHE	Kheis	
KHEL	Khelvachauri	
KHET	Khetri	
KHEZ	Kahui Hut	
KHF	Khenifra	
KHG	Khandyga	
KHGB	Koh Gabri	
KHI	Kakhk	
KHI1	Khiner	
KHIT	Khitrov Hills	
KHJ	Kushihara	
KHJ1	Kahnooj	
KHK	Keihoku	
KHKI	Kahang-Kahang	
KHL	Karahalli	
KHL1	Khalili_Fars	
KHLH	Kahului Airport	
KHLK	Kaihoka Lakes	
KHLM	Kholmsk	
KHLS	Khulais	
KHLS2	Khulais	
KHLT	Khaolaem Dam	
KHLU	Kahalu`u	
KHM	Kohima	
KHMM	Horse Mountain	
KHMN	Narli-Kahramanmaras	
KHMR	Trkolu, Kahramanmara	
KHMS	Xumson	
KHMZ	Khomeyn	
KHN	Khani	
KHNJ	Kahnooj	
KHNR	Khani	
KHNS	Khani	
KHO	Khorog	
KHON	Khomkaen	
KHOR	Al-Khor Airport	
KHR	Khorongon	
KHRG	Kharagauli	
KHRJ	Al Kharj	
KHRK	Khark Island	
KHRT	Khreiti	
KHS	Khaishi	
KHS1	Khanabri	
KHSK	Kohestak	
KHT	Khao Laem Dam	
KHU	Kahuku	
KHUD	Khujand	
KHUM	Khumson	
KHUS	Kellenhusen	
KHUZ	Khuzdar	
KHV	Khiva	
KHVA	Khvani	
KHVB	Wang Home	
KHWEE	KHWEE	
KHY	Khatystyr	
KHZ	Kahutara	
KI01	Katav-Ivanovsk	
KI04	Katav-Ivanovsk	
KI05	Katav-Ivanovsk	
KIA	Kiara Terrace	
KIAA	Kiato	
KIAG	Kiagna River	
KIAM	Kaiam	
KIAS	Kiato	
KIB	El Ksiba	
KIBA	Kibaya	
KIBE		
KIBK	Kibwezi	
KIBO	AfricaArray/PSU - ZP	
KIBOT		
KIBS	BOLU	
KIC	Kosan Boka	
KICM	Kanaga Island Cape Miga	
KIDD	KIDD Seismic Observatory, U. Texas El Paso	
KIDE	Kidegembe	
KIE	Kermit	
KIEV	Kiev	
KIF	Kilpisjarvi	
KIF1	Kiffisia	
KIFA	Kifanya	
KIG	Kigali	
KIH	Kanekii	
KII	Karymskiy	
KIJ	Kawah Idjen	
KIJV	Kijevo	
KIK	Kika Raxquin	
KIKS	Kaikoura	
KIKV	Kanaga Island Kanaga Volcano	
KIL	Kilembe	
KIL1	Kilkis	
KILO	Kirkland Lake	
KIM	Kimberley	
KIM01	Margaret River Homestead	
KIM02	Cherrabun Homestead, Kimberley	
KIM03	Kalyeeda Homestead, Kimberley	
KIM04	Ellendale, Kimberley	
KIM05	Camballin, Kimberley	
KIM06	Dampier Downs, Kimberley	
KIM07	Ungani, Kimberley	
KIM08	Napier Downs, Kimberley	
KIM09	Thunderbird Minesite, Kimberley	
KIM10	Mount House, Kimberley	
KIMA	AfricaArray SE Tanzania Basin Experiment - YH	
KIMB	Kimball Elementary School	
KIMD	Kanaga Island MID Benchmark	
KIMO	Ikongo	
KIMR	Kitsap County Moderate Risk Waste Facility	
KIN	Kingston	
KINC	Kanaga Island North Cape	
KING	Kindia	
KINR	Kitsap County North Road Shed	
KIOH	Kelleys Island	
KIOM	Kiomboi	
KIP	Kipapa	
KIPE	Kipengere	
KIPH	Kalayaan	
KIPM	Iron Peak	
KIPQ	Kipawa,Quebec	
KIR	Kiruna	
KIR1	Kirkuk	
KIRA	Kiraz, zmir	
KIRE	School, Kiremu	
KIRH	Kanaga Island Round Head	
KIRK	Kırklareli	
KIRO	Kirovokan	
KIRR	Kirishev	
KIRS	Kirsehir-Merkez	
KIRV	Kirov	
KIRY	Kiryat Shemona	
KIS	Kishinev	
KIS1	Kissamos	
KISE	Kishinomiya	
KISH	Array-Uganda/Tanzania zania - ZP	
KISK	Kishima-dake	
KISZ	Array-Uganda/Tanzania zania - ZP	
KIT	Kermit	
KIT*	Kaitaia	
KITB	Kitimat	
KITD	Kitadake	
KITH	Kitausu	
KITP	Kitsap County Wastewater Treatment Plant	
KIV	Kislovodsk	
KIV0	Kislovodsk Array Site 0	KVAR
KIV1	Kislovodsk Array Site 1	
KIV2	Kislovodsk Array Site 2	
KIV3	Kislovodsk Array Site 3	
KIW	Kapiti Island	
KIWB	Kanaga Island Westway Bight	
KIY	Kiyosumi	
KIYI	Yalıkoy-Catalca	
KIYZ	Kiyzas, Kuzbass, Russia	
KIZ	Kirchzarten	
KIZK	Mersin	
KIZO	Buyukkizoglu-Ladik(Samsun)	
KIZR	Kizel	
KIZT	Kizilcal	
KJA	Kiajanaja	
KJAB	KAMANJAB	
KJCM	Kelara	
KJF	Kajaani	
KJJM	Johnny Jack Ridge	
KJKQ	Kuujjuarapik	
KJL	Kejulik	
KJM	Geoje	
KJN	Kajaani	
KJNF	KAJAANI	
KK01	Karatay Array site	
KK02	Karatay Array site	
KK03	Karatay Array site	
KK04	Karatay Array site	
KK05	Karatay Array site	
KK06	Karatay Array site	
KK07	Karatay Array site	
KK08	Karatay Array site	
KK09	Karatay Array site	
KK31	Karatay Array site	

Code	*Station Name*	*Other*
KKAR	Karatay Array	
KKB	Krupnik	
KKBE	Karaman, Kazimkarabekir	
KKD	Korintji-Dempo	
KKG	Kukul	
KKGU	Kamikuga	
KKH	Kailua Kona	
KKHI	Kotkhai	
KKHK	Kakhk	
KKI	Karkar Island	
KKJ	Kaminokuni	
KKKI	Kendawangan, Kalimantan Barat	
KKL	Karkaralinsk	
KKLA	Kookooligit Mountain	
KKM	Kota Kinabalu	
KKMI	Kei Kecil, Maluku	
KKN	Kakani	
KKNTU	Kakint	
KKO	Keanakako'i	
KKOM	KOMASI	
KKOY	Diyarbakır	
KKPM	Kettenpom Peak	
KKR	Kurukshetra	
KKRN	Kattakurgan	
KKRS	Karmrakar	
KKS	Kukesi	
KKSI	Kolaka, Sulawesi	
KKT	Kermit	
KKTK	Khon Kaen	
KKU	Keanakolu	
KKUL	Konya-Kulu	
KKW	Kainokawa	
KKY	Kaikoura West	
KKZ	Kaikoura	
KLAU	Klauda	
KLAUS	Klaushaff	
KLB	Kellerberrin	
KLBO	Killbear Provincial Park	
KLBR	Kellerberrin	
KLC	Kirkland Lake	
KLCE	Kalgoorlie Cheetham St	
KLCH	Kalalua Cone	
KLD	Kalaidasht	
KLDN	Kaloudiana Chania	
KLDS	Kikiwa Line Depot	
KLEF	Klefe (Ho)	
KLEP	Klepka	
KLF	Kolari	
KLG	Kalgoorlie	
KLGA	Kalgoorlie	
KLGGI	Kalgoorlie, Gindalbie	
KLGHH	Kalgoorlie, Hampton Hill	
KLGHS	Kalgoorlie Hannans Street	
KLH	Kapapala Ranch	
KLI	Kotabumi	
KLINJ	Klinje	
KLJ	Keetly	
KLJI	Klakah, Jawa Timur	
KLK	Kealakekua	
KLKK	Kolka	
KLKU	Kulkuduk	
KLL	Kalltalsperre	
KLLS	Kalgoorlie Longshaft mine	
KLM	Kuala Lumpur	
KLMR	Klimovskoe	
KLMT	Kalamata	
KLN	McKendrick Lake	
KLN4	Kalinino	
KLNA	Kalymnos	
KLNB	Kelsey New	
KLNI	Mataram	
KLNJ	Kolanjah	
KLNK	Lincoln, NE, USA	
KLNR	Kaliningrad	
KLO	Kirkland Lake	
KLOF	Kloof	
KLOH	Kiser Lake State Park	
KLP	Kalpa	
KLR	Kul'dur	
KLR1	Kalamaria	
KLRI	Killari	
KLS	Karlskrona	
KLSI		
KLSM	Kluet Utara, Aceh	
KLSO	Kiser Lake Ohio	
KLST	Kelardasht - Mazandaran	
KLT	Keltepe	
KLTT	Kalaidasht	
KLU	Klutina	
KLUP	Keelung Port	
KLV	Kalavryta, Achaia	
KLV1	Kalavrita	
KLY	Klyuchi	
KLYT	Kilyos	
KM-	Kramer	KM-CL
KM2	Kermit	
KM3	Kermit	
KM5	Kermit	
KM6	Kermit	
KM9	Kermit	
KMA	Kami	
KMB	Kimbe	
KMBE	Kimbe	
KMBFM	Kuwus	
KMBH	Kambah	
KMBL	Kambalda	
KMBO	Kilima Mbogo	
KMC	Kompina	
KM-CL	Kramer	
KMD	Komatsu	
KMD1	Dasu	
KME	Kermit	
KMER	Konya-Meram	
KMF	Kamafusa	
KMG	Kumagaya	
KMGE	Kuromamegawa	
KMGR	Komgaron	
KMH	Puu Kamoamoa	
KMI	Kunming	
KMI2	Kunming	
KMIS	Kosovska,, Mitrovica	
KMJ	Kume jima	
KMJD	Komatsu	
KMK	Kamakura	
KMKB	Kefar Hamakabi	
KMKR	Kumukh	
KML	Kamuela	
KMLS	Shenavan	
KMM	Kamigamo	
KMMI	Kalianget	
KMN	Kumano	
KMN1	Usha	
KMNF	Kaamanen	
KMNI	Kota Mataram Nusa Tenggara Barat Indonesia	
KMNK	Kaminaka	
KMNR	Kamenistaya	
KMO	Kumora	
KMON	Kastamonu	
KMOR	Kings Mountain	
KMOZ	Kamo	
KMP	Kimball Pass	
KMPD	K-Podol'skiy	
KMPI	Kaimana, Papua	
KMPM	Mount Pierce	
KMPR	Kampirabad	
KMR	Kremsmunster	
KMRM	Mail Ridge	
KMRS	Kahramanmaras	
KMRZ	Kaimai	
KMS	Karamursel	
KMSA	Khamasin	
KMSC	Kings Mountain, Blacksburg	
KMSG	Kumisi	
KMSI	Cibinong	
KMSK	Kamenskaya	
KMSM	Union City	
KMSR	Komsomolskaya	
KMST		
KMT	Kinomoto	
KMT1	Komotini	
KMTA	Khamis Mushayt	
KMTI	Karmit	
KMTU	Khamis Mushayt	KMTA
KMU	Kamikineusu	
KMV	Keen Mountain	
KMV1	Kammena Vourla	
KMY	Karmoy	
KMYN	Kameyama	
KMZ	Kasempa	
KN-	Kanab	KN-UT
KNA	Kununurra	
KNAL	Kinaliada	
KNB	Kanab	
KND	Kandira	
KNDC	Almaty	
KNDN	Kennady Lake	
KNDR	Palaiochora Chania	
KNDS	Knezji Dol	
KNEE	Kneeland, California	
KNEL	Kent Elementary ANSS-SMO	
KNG	Konigsberg	
KNGHS	KNGHS	
KNGL	Kangalassy	
KNGQ	Kangiqsujuaq	
KNGR	Kungurtug, Tuva Republic, Russia	
KNGS	Khingansk	
KNH	Kipuka Nene	
KNHH	Kane Nui o Hamo	
KNHM	Kefar Nahum	
KNI	Koyna Nagar	
KNIK	Kınık, Seydikemer, Mula	
KNIM	Knight Island	
KNJ	Kinomoto	KMT
KNJD	Kanaihara	
KNJR	Keonjhar	
KNK	Knik Glacier	
KNKR	KANKER	
KNL	Balıkesir	
KNM	Kinmen	
KNMB	Chin-men Tao	
KNN	Kunene	
KNN1	Kunene	
KNO	Knox Ranch	
KNOS	Konyrlen	
KNP	Kunneppu	
KNR	Kangurt	
KNR1	Nevis Range	
KNRA	Kununurra	
KNS	Konitsa	
KNS1	Konitsa	
KNSS	Knossos, Herakleion, Crete Is., Greece	
KNSU	Ken-Suu	
KNT	Kendrikon	
KNTI	KHUNTI	
KNTN	Kanton	
KN-UT	Kanab	
KNW	Konawaena	
KNY	Kanayama	
KNYS	Krupa na Uni	
KNZ	Kokohu	
KOA	Kobuan	
KOB	Kobe	
KOBA	Kobaya	
KOBE	Kobo Des	
KOC	Kochi	
KOCA	Canakkale, Ayvacik-Kocakoy	
KOCW	Kopaniny	
KOD	Kodaikanal	
KOE	Koeppel	
KOF	Kofu	
KOFP	Korovin Flat Point	
KOG	Kourou	
KOGH	Koforidua	
KOGO	Kobern-Gondorf	
KOGS	Kog	
KOH	Kohala	
KOHB	KOHEUNG	
KOHI	KOHIMA	
KOI	Khonsa	
KOID	Koike	
KOJ2	Gongju-si	
KOK	Koryaka	
KOKK	Kokkinochori, Kavala	
KOKL	Mount Kliuchef	
KOKS	Kokatahi	
KOKV	Korovin Volcano	
KOL	Kolay	
KOLBA	Kolba	
KOLG	Sinegor'e	
KOLH	KOLHAPUR, MAHARASTRA	
KOLL	Kolacno	
KOLN	Koldanda	
KOLS	Kolonicke sedlo	
KOM	Komaba	
KOMA	Komarou	
KOME	Kolasin	
KOMG	Komaggas	
KOMM	Orleans Mountain	
KOMO		
KOMS	Komsomolabad	
KOMT	Akitakoma	
KOMTI	KOMT	
KON	Kongsberg	KONO
KONA	Konidatara, Kephalonia	
KOND	Kondoa	
KONE	Korovin Northeast	
KONH	Konpirayama	
KONO	Kongsberg	
KONS	Konsvik	
KONT	Konya--Tatoy	
KONW	Korovin Northwest	
KONZ	Konstanz	
KOO6	Koorda	
KOOC	Abou Kooc	
KOOLE	Kule	
KOPR	Koprukoy-ERZURUM	
KOPT	Kop Dagi	
KOR	Koror	
KOR2	Korinthos	
KORDA	Koorda, Western Australia	
KORE	Kare Kore	
KORK	Korkuteli	
KORR	Kora	
KORT	Korkueli	
KORU	Korolevo	
KOS	Kosmodemyansk	
KOS1	Kos Island	
KOS6	Kostomuksha	
KOSB	Goseong	
KOSD	Kefalos,Kos,Greece	
KOSE	Korovin Southeast	
KOSH	Koshkarbay	
KOSI	Kohlern	
KOSK	Kos Island	
KOSL	Kosel	
KOSP	Kos	
KOST	Kostenkovo, Kuzbass, Russia	
KOST6	Kostomuksha	
KOSW	Kosmos	
KOT	Kottamia	
KOTA	Agri, Merkez-Kocatas	
KOTAN	Kotaneelee Airstrip	
KOTE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
KOTI	Kothi	
KOTO	Kotino, Kuzbass, Russia	
KOTS	Kotyrbulak	
KOU	Koumac	
KOUK	Koru-Cinarcik-YALOVA	
KOUM	Koumaradei	
KOUNC	Koumac, New Caledonia	
KOVA	Elazig, Kovancilar-Tepebag	
KOVH	Kovagotottos	
KOVU	Salmi	
KOW	Kowen Forest	
KOWA	Kowa	
KOWA2	GSN - IU, KOWA	
KOWC	Kowai	
KOWE	Korovin West	
KOWM	Kowarra	
KOY	Koyama	
KOYT	Koytash	
KOZ	Kozyrevsk	
KOZ*	Kozyr	KOZR
KOZ2	Kozani	
KOZAM	Lom-Kozlod	
KOZE	AFAR0911 - ZR	
KOZJ	Kozjak Brana	
KOZK	Kozakli-Nevsehir	
KOZR	Kozyr	
KOZT	Kozan	
KOZTB	Kozan	
KPA	Kalaupapa	
KPAM	Keepit Dam	
KPB	Port Bizet	
KPC	Khapcheranga	
KPD	Port Douzieme	
KPE	Price	
KPF	Kankaanpaa	
KPFZ	Kaipara Flats	
KPH	Kaena Point	
KPJ	Monastery St. Joachim Osogovski	
KPJI	Karang Pucung	
KPJM	Kapas, Jawa Timur	
KPK	Kanaka Peak	
KPKS	Kokpek	
KPL	Plockton	
KPLS	Shiveluch-Kupola	
KPN	Kupiano	
KPNG	Kappang	
KP-NV	Kawich Peak	
KPO	Kapoho	
KPOC	Kaiapoi North School	
KPPM	Pickett Peak	
KPR	KrasnayaPolyana	
KPRO	Kipourio	
KPRZ	Karangahape Cliffs	
KPT	Kopyto	
KPTM	Keepit Bedrock	
KPVT	Kampiravat	
KR-	Crane	KR-OR
KRA	Krakow	
KRAB	Krabi	
KRABS	KRABS	
KRAI	Karang Ratu	
KRAM	Krabesse	
KRAR	Krasnoyarsk	
KRB	Kariba Dam	
KRBA	Kerman	
KRBG	Karabiga-Canakkale	
KRBN	Karaburun	
KRBR	Kerman	
KRBS	Karabastau	
KRC	King Ranch	
KRCS	Mys Kronotskii	
KRCT	Kiractepe	
KRCW	Kraslice	
KRD	Kurday	
KRDT	Erzincan	
KRDU	Moravsky Krumlov	
KRE	Kure	
KRER	Koryakskii	
KRES	Krestena	
KRF	Krasnovodsk	
KRG	Kerema	
KRGN	Kargin	
KRGZ	Buyukada	
KRH	Kirikhan	
KRHZ	Kereru	
KRI	Karoi	
KRI1	kERI	
KRIK	Erzurum-spir	
KRIS	Kristallenia	
KRIT	Krib	
KRJ	Kamimuroga	
KRJI	Kerinci	
KRK	Kirkenes	
KRK1	kERKIRA	
KRKI	Karangkates	
KRKL	Karaikal	
KRKM	Rackout Springs	
KRL	Karlsruhe	
KRL1	Karlovasi Samou	
KRLC	Kraliky	
KRM	Kurmenty	
KRM1	Kerman Province	
KRMB	Red Mountain	
KRMI	Paran Flat	
KRMM	Red Mountain	
KRMN	Karaman	
KRMR	Karymshinskiy	
KRMZ	Karmrakar	
KRN	Kronoki	
KRNA	Kawich Range	
KRND	KRANIDI	
KRNR	Karanay	
KRO	Koro	
KROM	Kromhout	
KR-OR	Crane	
KROS	Kirovskiy	
KRP	Karapiro	
KRPA	Karpathos	
KRPI	Kfar Ruppin	
KRPM	Rodgers	
KRPN	Kefar Rupin	
KRPT	Karpathos	
KRR	Karoi	
KRS	Krasnogorka	
KRS4	Mayak Korsakovskie (Korsakov)	
KRSA	Karasay	
KRSH	Karshahi	
KRSK	Karsak	
KRSQ	Kangirsuk	
KRSR	Krestovskiy	
KRSY	Kara-Say	
KRT	Keravat	
KRT2	Ano Kourtesi LLia	
KRTD	Karatas-Adana	
KRTL	Kartal-Istanbul	
KRTR	Korotkovo, Kemerovskaya Oblast', Russia	
KRTS	Karatas	
KRTT	Kurtkulagi	
KRTU	Karatu	
KRU	Karasu	
KRUC	Moravsky	
KRUG	Krueger Creek	
KRUK	Karasu	
KRUS	Krusevo	
KRV	Ganja	
KRVK	Kivorka	
KRVR	Ravar	
KRVT	Keravat (AS076)	
KRVZ	Karewarewa	
KRW	Karlsruhe West	
KRX	Arik	
KRY	Koidern River	
KRYG	Kurzu	
KRZ	Karuizawa	KAZ
KS01	Wonju Array Site 1	
KS02	Wonju Array Site 2	
KS03	Wonju Array Site 3	
KS04	Wonju Array Site 4	
KS05	Wonju Array Site 5	
KS06	Wonju Array Site 6	
KS07	Wonju Array Site 7	
KS08	Wonju Array Site 8	
KS09	Wonju Array Site 9	
KS10	Wonju Array Site 10	
KS11	Wonju Array Site 11	
KS12	Wonju Array Site 12	
KS13	Wonju Array Site 13	
KS14	Wonju Array Site 14	
KS15	Wonju Array Sites 15 and 31	
KS16	Wonju Array Site 16	
KS17	Wonju Array Site 17	
KS18	Wonju Array Site 18	
KS19	Wonju Array Site 19	
KS20	Mayfield South Station	
KS21	Milan North Station	
KS22	Mankato Kansas Deployment Site 1	
KS23	Northwest Mankato	
KS24	Mankato	
KS25	Jewell	
KS32	Wonju Array Site 32	
KS33	Wonju Array Site 33	
KS34	Wonju Array Site 34	
KS35	Wonju Array Site 35	
KS36	Wonju Array Site 36	
KS37	Wonju Array Site 37	
KSA	Ksara	
KSADO	Andong	
KSAND	Andong	
KSANE	Kasane	
KSANM	Anmyeondo	
KSAR	Wonju Array Beam Reference Point	
KSB	Sheil Bridge	
KSBAR	Backryungdo	
KSBB	Baniby	
KSBON	Boeun	
KSBRD	Baengnyeongdo	
KSBSA	Busan_acc	
KSBUS	Busan	
KSBUY	BUYEO	
KSCEA	Cheonan	

Code	Station Name	Other
KSCEJ	CHEONGJU	
KSCHC	Chuncheon	
KSCHI	Jinju	
KSCHJ	Chungju	
KSCHO	Jeonju	
KSCHR	CHANGNYEONG	
KSCHS	CHEONGSONG	
KSCHW	Cheorwon	
KSCHY	BONGHWA	
KSCIG	Chilgok	
KSCM	Snow Cap Mountain	
KSCO	Kaye Shedlock's, Cheyenne Wells	
KSCPN	Chupungnyeong	
KSCPR	CHUPUNGNYEONG	
KSCT	Kent School, Kent	
KSCWO	Cheorwon	
KSD	Kokstad	
KSDAG	Daegu	
KSDAU	Deagu-acc	
KSDD	Koussour	
KSDDC	Dongducheon	
KSDEI	Deokjeokdo	
KSDGY	Daegwallycong	
KSDI	Kefar Szold	
KSER	Kseropotamos	
KSEUS	ULSEONG	
KSGAH	Ganghwa	
KSGBI	Gyogryolbido	
KSGIC	Gimchen	
KSGOS	Gosan	
KSGSG	Gangseo	
KSGUM	GUMI	
KSGUS	GUNSAN	
KSGWJ	Gwangju-acc	
KSGWL	Sabuk	
KSH	Kashi	
KSH0	Kashi	
KSH2	Kashi	
KSHAC	HAPCHEON	
KSHAD	HADONG	
KSHAN	Haenam	
KSHB	Shahrebabak	
KSHD	Shahdad Kerman	
KSHI	Guanxi Township	
KSHJ	Kshj	
KSHT	Keshet	
KSHUK	Heuksando	
KSHWR	Kishtwar	
KSI	Kapahiang	
KSICN	Icheon	
KSIJA	INJE	
KSIMS	Imsil	
KSINC	Incheon	
KSJ	Kashima	
KSJAH	Jangheung	
KSJAS	Jangsu	
KSJDO	Jindo	
KSJEC	Jecheon	
KSJEO	Jeonju	
KSJES	JEONGSEON	
KSJEU	Jeongeup	
KSJIN	Jinju	
KSJJU	Jeju	
KSJMJ	Jumunjin	
KSJUR	Jungrangju	
KSK	Scoval	
KSKAN	Gangneung	
KSKCH	Geochang	
KSKMS	Keumsan	
KSKOH	Goheung	
KSKOJ	Gongju	
KSKUC	Geochang	
KSKUS	Gunsan	
KSKWJ	Gwangju	
KSL	Kastellorizon	
KSLA	Kassala	
KSLI	Kharsali	
KSM	Kuching	
KSMAN	Muan gun	
KSMAS	Masan	
KSMGY	Mungyeong	
KSMIY	MIRYANG	
KSMM	Slide Mountain	
KSMOK	Mokpo	
KSMOP	Mokpo	
KSMR	Kasumkent	
KSMSA	Geumsan	
KSMUG	Mungyeong	
KSMUS	Musan	
KSMZ	Kasama	
KSN	Kinkasan	
KSNAH	Namhae	
KSNAJ	Naju	
KSNAW	Namwon	
KSNOW	Nowan	
KSNS	Kasansay	
KSO	Kastoria	
KSP	Ksiaz	
KSPA	Keystone College	
KSPHA	Pohang	
KSPM	Sherwood Peak	
KSPOH	Pohang	
KSPOR	Boryeong	
KSPUA	Buan	
KSPYC	Pyeongchang	
KSR	Koster	
KSRS	Korea Array	
KSRV	Kasrt alli	
KSS1	Kassos Island	
KSSAC	SANCHEONG	
KSSAJ	Sangju	
KSSCH	SUNCHEON	
KSSEO	Seoul	
KSSES	Seosan	
KSSGP	Seogwipo	
KSSKC	Sokcho	
KSSOC	Sokcho	
KSSOD	Songwoldong	
KSSSP	Seongsanpo	
KSSWO	Suwon	
KST	Kastek	
KSTBA	Taebaek	
KSTD	Kokstad	
KSTE	Kastelli,Crete,Greece	
KSTEJ	Daejeon	
KSTL	Kastelli Heraklio	
KSTO	New Philadelphia	
KSTOH	DONGHAE	
KSTOY	TONGYEONG	
KSTR	Kastri-Kanalaki	
KSU	Koussour	
KSU1	Kansas State University--Konza Prairie	
KSUJ	Kushiro	KUSJ
KSULJ	Uljin	
KSULL	Ulleungdo	
KSULS	Ulsan	
KSUO	Kent State University	
KSUSN	Ulsan	
KSV	Kosov	
KSVO	Keeseville	
KSVV	Ky Son	
KSWAN	Wando	
KSWJU	Wonju	
KSWON	Wonju	
KSWY	Kelly School	
KSXB	Camp Six Broadband	
KSXM	Camp Six	
KSY	Syston	
KSYAP	YANGPYEONG	
KSYCH	Yecheon	
KSYOC	YEONGCHEON	
KSYOD	Yeongdeok	
KSYOJ	YEONGJU	
KSYOS	Yeosu	
KSYOW	Yeongwol	
KSYSU	YEOSU	
KT1	Kermit	
KT2	Kermit	
KT3	Kermit	
KT4	Kermit	
KT5	Kermit	
KT7	Kermit	
KT8	Kermit	
KT9	Kermit	
KTA	Kotzebue	
KTAB	Kitab	
KTAS	Katas	
KTBS	Karatobe	
KTD	Kalmit	
KTE	Kermit	
KTG	Kap Tobin	
KTG1	Tilbrook Grange	
KTGM	Kuala Trengganu	
KTH	Kantishna Hills	
KTHA	Kythira Island - Agia Moni	
KTHR	Kythira	
KTI	Kastanea	
KTJ	Kamata	
KTJ3	Kamata3	
KTJD	Kamitakara	
KTJJ	Kamata 2	
KTK1	Kautokeino	
KTK2	Kautokeino	
KTK3	Kautokeino	
KTK4	Kautokeino	
KTK5	Kautokeino	
KTK6	Kautokeino	
KTL	Katale	
KTLM	Kings Tableland	
KTLO	Katakolo	
KTM	Katmai	
KTMI	Kormomolin, Maluku	
KTMO	Khatum	
KTMS	Ketmen	
KTMY	Kuala Trengganu	KTGM
KTN	Katrineberg	
KTNK	Katano	
KTNR	Kaitanak	
KTR	Katsuura	
KTRA	KTRA	
KTRM	Thompson Ridge	
KTRR	Kuturchin	
KTSH	Kitshanga	
KTT	Kermit	KIT
KTTI	Kolbano, Nusa Tenggara Timur	
KTTT	Salihli	
KTUT	Trabzon	
KTWE	Kitwe	
KTX	Kermit	
KTZ	Kutztown	
KU1	Kurvinen	
KU2	Taivalkoski	
KU3	Posio	
KU4	Liikasenvaara	
KU5	Karpankyla	
KU6	Riekki	
KU7	Kasma	
KU8	KU8	
KUA	Kurravaara	
KUB	Quba	
KUBB	Kubrat	
KUBR	Kubataba	
KUBS	Kucevo	
KUC	Kucino	
KUDEN	Kuden	
KUDL	Kundal	
KUF	Ufford	
KUG	Kupang	
KUGN	Kugaaruk Camp, Nunavut	
KUH	Kaapuna	
KUITO	Kuito, Bie	
KUJA	Jangpyeong	
KUK	Kukurantumi	
KUKI	Kutai Barat, Kalimantan Timur, Indonesia	
KUKN	Kugluktuk,NWT	
KUKU	Kukurantumi	
KUL	Kulyab	
KULA	Kula-Manisa	
KULC	Kulculer Bayramic Canakkale	
KULE	Kulei Odisha,India	
KULG	Kulusuk, Greenland	
KULLO	Kullorsuaq	
KULM	Kulim	
KULR	Kulu	
KULT	Kultieth River Mountain	
KULU	Kulu	
KUM	Kumamoto	
KUM*	Kumora	KMO
KUMB	Kumbag-Suleymanpasa-TEKIRDAG	
KUMJ	Kumamoto 2	
KUMR	Kumaryk	
KUN	Kunming	KMI
KUNI	Kuninkaantammi	
KUP	Kupang	
KUPE	Kupecik-Ladik(Samsun)	
KUPN	Kupiano	
KUPT	Kupang	KUG
KUQ	Kuujjuuaa	
KUR	Kuril'sk	
KUR01	Kurchatov Array Site 1	
KUR02	Kurchatov Array Site 2	
KUR03	Kurchatov Array Site 3	
KUR04	Kurchatov Array Site 4	
KUR05	Kurchatov Array Site 5	
KUR06	Kurchatov Array Site 6	
KUR07	Kurchatov Array Site 7	
KUR08	Kurchatov Array Site 8	
KUR09	Kurchatov Array Site 9	
KUR10	Kurchatov Array Site 10	
KUR11	Kurchatov Array Site 11	
KUR12	Kurchatov Array Site 12	
KUR13	Kurchatov Array Site 13	
KUR14	Kurchatov Array Site 14	
KUR15	Kurchatov Array Site 15	
KUR16	Kurchatov Array Site 16	
KUR17	Kurchatov Array Site 17	
KUR18	Kurchatov Array Site 18	
KUR19	Kurchatov Array Site 19	
KUR20	Kurchatov Array Site 20	
KUR21	Kurchatov Array Site 21	
KURBB	Kurchatov Array	
KURC	Kurucasile-Bartin	
KURES	Khurais	
KURI	Kurri Kurri	
KURK	Kurchatov	
KURN	Kurna	
KURO	Afyon-Bolvadin-Kurucuova	
KURS	Kuram	
KURT	Yalova, Merkez, Kurtkoy	
KURU	Muhukuru	
KUS	Kushiro	
KUSD	Kusadasi-Aydin	
KUSI	Kluet Utara, Aceh	
KUSJ	Kushiro	
KUT	Kutsugahara	
KUT1	Kut	
KUTA	Kuta	
KUTH	Kutahya	
KUTZ	Kaahu Road	
KUU	Kurty	
KUZ	Kuaotunu	
KUZU	Kuzuini	
KV-	Keg River	KV-AT
KV01	Kirishima Volcano	
KV02	Kamimonzen	
KV03	Oonami West	
KV04	Kurino-dake	
KV05	Oonami East	
KV06	Karakunidake	
KV09	Okamoto-Ura	
KV11	Takachiho West	
KV12	Sinyu	
KV91	Ura	
KVAR	Kislovodsk Array Beam Reference Point	
KV-AT	Keg River	
KVC	Kvetna	
KVDA	Kovda	
KVG	Kavieng	
KVLA	Kavala	
KVN	Kaiserville	
KVO	Kovokta	
KVR	Kavouri	
KVT	Kavak	
KVTA	Katmai Vly 10 NE	
KVTX	Kingsville	
KW1	Garching a.d. Alz	
KWA	Guiyang	GYA
KWAJ	Kwajalein Atoll	
KWBU	Kawak Butte, Newberry	
KWE	Weaver Farm	
KWHZ	Kaweka Forest	
KWJ	Kawai	
KWJI	Kertek, Jawa Tengah	
KWJN	Gagan, Kwajalein Atoll, Marshall Island	
KWNG	Kwanting	
KWP	Kalwaria Paclawska	
KWSI	Makuyuni	
KWT	Kawatabi	
KWZ	Kawazu	
KY01	KOUVOLA	
KY02	KOUVOLA	
KY03	KOUVOLA	
KY04	KOUVOLA	
KY05	KOUVOLA	
KY06	Tolkkila, Finland	
KY10	KOUVOLA	
KY11	KOUVOLA	
KY12	KOUVOLA	
KY13	KOUVOLA	
KY14	Pilkanmaa	
KY15	Kouvola, Finland	
KY17	Tirva, Finland	
KYA	Kyakhta	
KYB	Urasar	
KYHL	Koyulhisar-SIVAS	
KYJ	Kuroyon	
KYK	Kayak Island	
KYL	Kyle	
KYLA	Kyela	
KYM	Kumisi	
KYM1	Kymi	
KYMI	Kymi, Euboea Island, Greece	
KYND	Koyundere	
KYO	Kyoto	
KYP	Key Point	
KYP2	Kyparissia	
KYPS	Kipseli, Zakinthos Is., Greece	
KYR	Kayrak	
KYS	Kiyosumi	
KYSD	Maltepe/Istanbul	
KYT1	Potamos Kythira	
KYTD	Kurayoshi	
KYTH	Kithira	
KYU	Kyusyur	
KZA	Kyzart	
KZAD	Kyzyl-Adyr	
KZAG	Qyzylaghash	
KZAKZ	Kzylasker	
KZCM	Kizilcahamam	
KZI	Kaziranga	
KZIL	AFYON_Kizioren	
KZIT	Kziot	
KZJ	Kashiwa-zaki	
KZK	Kashiwa-zaki	
KZL	Kozel'skiy	
KZLR	Kyzyl	
KZLS	Kyzylsau	
KZM	Kalamazoo	
KZN	Kozani	
KZR	Kazreti	
KZRD	ZARAND_ Kerman	
KZRT	Kazreti	
KZT	Kanzaki	
KZV	Kizimen	
KZW	Kaizawa	
L01	L01	
L02	L02	
L02A	Cave Junction	
L02D	Cave Junction, OR	
L02E	Cave Junction	
L02F	Cave Junction	
L03L	L03L	
L04	L04	
L04A	Klamath Falls	
L04D	Klamath Falls	
L05	L05	
L05A	Lakeview	
L07	L07	
L07A	Adell	
L08	L08	
L08A	Fields	
L09A	Wilkinson Ranch, McDermitt	
L10A	Juniper Basin Ranch, Riddle	
L11A	Cat Creek Ranch, Riddle	
L12A	House Creek Ranch, Rogerson	
L13A	Double Diamond Ranch, Oakley	
L14A	Malta	
L14K	Kuka Creek	
L15A	Malad City	
L15K	Ungalak Mountain	
L16A	Fish Haven	
L16K	Owhat River	
L17A	Cokeville	
L17K	Donlin	
L18A	Fontenelle, Green River	
L18K	Granite Mountain	
L19A	Farson	
L19K	White Mountain	
L20A	Wamsutter	
L20K	Farewell, AK	
L21A	Rawlins	
L22A	Ellis Ranch, Medicine Bow	
L22K	Petersville	
L23A	Garrett	
L24A	Wheatland	
L25A	Engebretsen Ranch, Morrill	
L26A	Underwood Farm, Alliance	
L26K	Log Cabin Wilderness Lodge, Tok	
L27A	T5 Ranch, Ellsworth	
L27K	Beaver Creek, Northway Junction	
L28A	Connealy Angus Ranch, Whitman	
L29A	Maesberg Ranch, Thedford	
L29M	L29M	
L30A	Spencer Herefords Ranch, Brewster	
L31A	Butterfield Farm, Chambers	
L32A	Elgin	
L33A	Hoskins	
L34A	Svendsen Farm, Lyons	
L35A	Bielow Farm, Ricketts	
L36A	Harm Buss Farm, Glidden	
L37A	Phoenix Point, Boone	
L38A	Oak Wood Farm, Albion	
L39A	Vinton	
L40A	Anamosa	
L41A	Preston	
L42A	Oliver, Polo	
L43A	Garden Prairie	
L44A	Lake County Forest Preserve, Grayslake	
L46A	Eue Claire	
L47A	Sherwood	
L48A	N Adams	
L49A	Milan	
L50A	Kingsville	
L53A	Girard	
L54A	Sinclairville	
L55A	Hinsdale	
L56A	Greenwood	
L57A	Andrews Acres Farm, Gillet	
L58A	Harry Jones Memorial, Binghamton	
L59A	Walton	
L60A	Shokan	
L61A	Hillsdale 1, Hillsdale	
L61B	Northampton	
L62A	Suffield	
L63A	North Scituate	
L64A	Middleborough	
L65A	Cape Cod National Seashore	
L6KY	Lock 6	
LA-	Lafayette	LA-GA
LA0	Lasa Array	LAO
LAA	Little America	
LAB	Little Aspen Butte	
LABB	Lbrea	
LABF	Labassere	
LABG	Labe	
LABN	Labinsk	
LAC	Landers	
LACH	Col Las Americas	
LACI	Lac	
LACL	Lacq	
LACR	Lac	
LACU	La Cuchilla	
LACW	Lazy	
LAD	Ladron Mountain	
LADA	La Danta	

Code	*Station Name*	*Other*
LADK	Ladik-KONYA	
LADO	San Nicola dell'Alto	
LADR	Batey Laura esc	
LAE	Lae	
LAEL	Laela	
LAEN	Laengenau (near Selb, Bavaria)	
LAES	El Progreso Valle La Estrella Limon	
LAF	Lafayette	
LAFA	Gebze-Kocaeli	
LAFE	Finca La Fe, Paquera, Puntarenas	
LAG	Langila	
LA-GA	Lafayette	
LAGB	Langenfeld Grube Bendisberg	
LAGL	Lagor	
LAGM	Oaxaca	
LAGR	Lagunnoye	
LAGU	Laguneta	
LAGV	Lagunillas	
LAH	Lahore	
LAICA	Laino Castello (CS)	
LAIN	Lailor River, Nunavut	
LAJ	Bijagual	
LAJ2	LAJ2	
LAJA	Laja	
LAJAC	Machin, LAJA	
LAJAS	L'Hospitalet-du-Larzac	
LAJE	UHE Lajeado	
LAJO	La Joya	
LAK	Lawrence	
LAKA	Lakka	
LAKD	Lakadia	
LAKN	Lakin, McCloud, CA USA	
LAKY	Lakey Bradford Hills	
LAL	Leola	
LALE	Lalibel	
LALI	Alcalda de La Libertad	
LALO	Estacion LALO Guanacaste	
LALZ	Loma Alta	
LAM2	Lamia	
LAMA	Las Malvinas	
LAMM	Antelope Mountain	
LAMO	ALAMOR	
LAMP	Lampang	
LAN	Lanzhou	
LANAN	Lanans	
LANC	Lancaster	
LAND	Landels Hill-Big Creek Natural Reserve, California	
LANE	Lane BPA Site-SMO	
LANF	Langenberg	
LANH	Laconia	
LANMX	Los Malcriados, LAN	
LANS	Liptovska Anna	
LANT	Antrodoco	
LANU	Lannavaara	
LAO	LASA Array	
LAP	La Paz	
LAPC	Finca la Perla	
LAPE	La Pedrera	
LAPEE	Lago Pertusillo	
LAPI	LA PILA	
LAPK	Lapseki-CANAKKALE	
LAPR	La Primavera	
LAPS	Lapseki, ANAKKALE	
LAQ	La Grande	
LAQC	La Quinta	
LAR	Laramie	
LAR1	LAR	
LAR1C	Larnaka City Center	
LAR25	LARINO CB	
LAR4	Larissa	
LAR5	Larissa	
LARA	Laurignano	
LARC	La Roca	
LARCR	La Roca, LAR	
LARD	Lac Aux requins	
LARF	Larrau	
LARI	Lau Rambong	
LARN	Lariano	
LARO	La Roca	
LAROC	Coconuco	
LAROZ	Larrimah, NT	
LARU	La Rochela, LAR	
LAS	Mount Lassen	
LAS20	La Martella	
LASA	Lasa Array	LAO
LASF	Ste Croix	
LASI	Langsa, Aceh	
LASL	Noumea	
LASM	Arnica Sink	
LAST	Lasithi	
LAT	Lae	
LATB	Latina	
LATE	Laterza	
LATF	Latrape	
LATG	Datong	
LATQ	La Tuque	
LATR	Latur	
LATT	Lattarico	
LAU	La Urbina	
LAUCH	Lauchernalp	
LAUE	Laurenzana	
LAUG	Laupendahl	
LAUS	Refuge de Laus	
LAUT	Lauttasaari Helsinki	
LAV	Laguna Verde	
LAV2	Lava2-Rev Volc	
LAV3	Lava3-Reventador	
LAV4	Lava4-Reventador	
LAV9	Lanuvio	
LAVA	Lava Cap Winery, Placerville	
LAVB	Lang Chanh	
LAVC	Lavic	
LAVE	AFAR0911 - ZR	
LAVEY	Lavey les Bains, Waadt, VD	
LAVM	Oakton	
LAVN	Lang Chanh	
LAVR	Lavrentia	
LAW	Lawrence	
LAWE	Loch Awe, Argyll & Bute	
LAWT	Lawton Elementary School	
LAX	Bahia de Los Angeles	
LAY	Lan-yu	
LAZ	Ladron	
LAZE	Lhatse, Xizang Zizhiqu	
LAZM	Lazaro Cardenas	
LAZR	Lazzaro	
LB-	Lebanon	LB-NH
LB1	LASA B Ring	
LB2	LASA B Ring	
LB3	LASA B Ring	
LB4	LASA B Ring	
LBB	Lubumbashi	
LBB2	AfricaArray - AF, LBB	
LBC	Lubudi	
LBCM	Butte Creek Rim	
LBCW	Luby	
LBF	Les Buteaux	
LBFI	Labuhan Bajo, Sumatra	
LBFM	Black Fox Mountain	
LBG	Lerchenberg	
LBGA	Luboga	
LBGK	Lebyazhka	
LBGM	Big Gulch	
LBH	Morecambe B102	
LBKM	Bonanza King	
LBL	Lubilhac	
LBLP	Los Banos, Laguna	
LBM	Little Butte	
LBMI	Labuha	
LBMM	Bass Mountain	
LBNFM	Lambu	
LBNH	Lisbon	
LB-NH	Lebanon	
LBNM	Moscow	
LBNS	Jabal Laban	
LBO	Bowland	
LBOA	Yemen, LBO	
LBOS		
LBP	Lucky Boy Pass	
LBPH	Los Banos	
LBPM	Beegum Peak	
LBQ	La Grande	
LBRS	Las Brisas	
LBSA	Labasa	
LBSS	Karokaro, Northern Div. Fiji, LBSA	
LBT	Labete	
LBTB	Lobatse	
LBTL	Lobethal	
LBUT	Lower Browns Hole	
LBWR	Ladybower, Peak District	
LBXM	Letterbox	
LBZ	Lake Benmore	
LC-	Las Cruces	LC-NM
LC01	Cunco	
LC02	Puerto Saavedra	
LC1	LASA C Ring	
LC2	LASA C Ring	
LC22	Laino Castello	
LC3	LASA C Ring	
LC4	LASA C Ring	
LCA	Log Cabin	
LCAL	Lambert Chapel	
LCAM	Castella	
LCAR	Lake Charles	
LCAV	Cave	
LCBC	Los crdobas, Cordoba	
LCBS	La Ceiba	
LCBT	Rives	
LCC	Lanzhou	
LCCB	Little Cholame Creek	
LCCE	Lecce	
LCCH	Las Cruces	
LCCM	Lewis and Clark Caverns	
LCCO	Lakeland CC	
LCCO2	Lakeland CC 2, Kirtland	
LCCY	Blossom Village, Little Cayman	
LCFM	Crescent Cliff	
LCG	Leon Cerro Gordo	
LCGC	La Cienega, Culver City	
LCH	Last Change Range	
LCH0	Los Chiles	
LCHA	Lechaina	
LCHF	La Chataigneraie	
LCHIL	Los Chiles	
LCI	Lecce	
LCK	Crook	
LCL	Rancho Los Cerritos	
LCM	Los Angeles Museum of Natural History	
LCMM	Colby Mountain	
LCMT	Little Creek Mountain	
LCN	Lincoln	
LCNA	Lacona	
LCNC	Loup City	
LCND	La Caada	
LCNE	Loup City	
LC-NM	Las Cruces	
LCNT	Contigliano	
LCO	Las Campanas	
LCOCO	El Coco	
LCOW	Little Low Creek, Bella Vista, CA USA	
LCP	Cassop	
LCQ	La Grande	
LCR	La Lucha	
LCR2	La Lucha 2	
LCRK	Leigh Creek	
LCRM	LCR	
LCRUZ	La Cruz	
LCSM	College of the Siskiyous	
LCUV	Le Cuvier	
LCV	La Cueva	
LCVN	Lai Chau	
LCVP	Laak	
LCW	Lucas Creek	
LCY	Lacayo	
LD-	Lucedale	LD-MS
LD03	OBS LD03	
LD05	OBS LD05	
LD09	OBS LD09	
LD1	LASA D Ring	
LD10	OBS LD10	
LD12	OBS LD12	
LD14	OBS LD14	
LD17	OBS LD17	
LD19	OBS LD19	
LD2	LASA D Ring	
LD21	OBS LD21	
LD23	OBS LD23	
LD25	OBS LD25	
LD27	OBS LD27	
LD2MS	Lucedale	
LD3	LASA D Ring	
LD3MS	Lucedale	
LD4	LASA D Ring	
LDAQ	Lac Daran	
LDASE	Londrina, Brazil	
LDBL	Lucq-de-Bearn	
LDBM	Digger Butte	
LDBN	Lake De Bois	
LDE	Landau	
LDF	La Druitiere	
LDFC	Landfair	
LDG	Lodge	
LDGN	Lac de Gras North	
LDIO	Lac des Isle Mine	
LDIP	Loreto	
LDJ	Lady	
LDL	LDL	
LDLD	Lac de Lave	
LDM	Libby Dam	
LDMO	Linda	
LD-MS	Lucedale	
LDN	London (Ont)	
LDO	Landau	
LDP	LAMA DEI PELIGNI	
LDQ	La Grande	
LDR	Lodi Road	
LDRT	Trimble	
LDS	Leeds	
LDSQ	Shawville	
LDU	Leeds University	
LDUT	Ludao	
LDV	Leadville	
LDVG	Clark Hill Reservoir	
LE-	Lewisburg	LE-TN
LE1	LASA E Ring	
LE2	LASA E Ring	
LE3	LASA E Ring	
LE4	LASA E Ring	
LEA	Lead	
LEAH	Tarraleah	
LEBO	Lake Erie Bluffs Ohio	
LEC	Lecco	
LECO	Lake Erie College	
LED	Lead Mountain	
LEDA	Sanchez Grande	
LEE	Leeds	
LEF	Lefka	
LEF2	Lefkas	
LEG	Legaspi	
LEGD	La Grand CA	
LEGH	Legon	
LEGS	Legarje	
LEH	LEH	
LEHL	Lehliu	
LEI	Leipzig	
LEIB1	TS Leibis	
LEIR	Leirfjorden	
LEK	Lexington	
LELR	Lelesti	
LEM	Lembang	
LEMB	Lembach	
LEME	Ethiopia-Afar Geoscientific Lithospheric Experiment	
LEMR	Lemoore	
LEN	Leninakan	
LENE	LENE	
LENM	Lemitar	
LENT	Lentariana Chania	
LEO	Leoncito	
LEO01	Saint Lonard, STEP, VS	
LEO1	Leonidio	
LEOC	Leona Valley	
LEOD	Capriano del Colle	
LEOM	Leova	
LEON	Leon	
LEOT	Leota Junior High School	
LEP	Lephalale	
LEPA	Lepanto, Puntarenas	
LEPF	PUYLOUBIER	
LEPH	Lephalale, Limpopo Province, South Africa	
LEPP	Espoo, Leppvaara	
LEPT	Troy	
LER	Lerida	
LERS	Lernavan	
LERZ	Lernakert	
LES	Lesozavodsk	
LES1	Stypsi (Lesvos)	
LES2	Vafeios (Lesvos)	
LES3	Lafionas (Lesvos)	
LES4	Petra (Lesvos)	
LES5	Mythimna/Molyvos (Lesvos)	
LESA	Schwarzleotal - Leogang	
LESE	Lesego, Limpopo	
LESF	Lescure	
LESM	Lemong, Lampung	
LESP3	La Esperanza, Chiriqui	
LESQ	Les-Escoumins	
LESV	Lesvos island, N. Greece	
LESV1	Kapi,Mantamados,Lesvos	
LE-TN	Lewisburg	
LEUC	Leucamp	
LEV	Loma de el Viento	
LEVAN	Levanzo	
LEVN	Ruinas Leon Viejo	
LEVU	Levan	
LEWI	Lewis, Hebrides	
LEX	Lexington	
LF-	La Follette	LF-TN
LF1	LASA F Ring	
LF2	LASA F Ring	
LF3	LASA F Ring	
LF4	LASA F Ring	
LFA	Lagoa do Fogo	
LFC	Lale Fork Canyon	
LFF	La Frestale	
LFK	Lefkose	
LFKM	Lefkimmi	
LFM	Lubrecht Forest	
LFRS	El Faro	
LF-TN	La Follette	
LFU	La Fuente	
LG-	Long Valley	LG-AZ
LG4Q	La Grande 4	
LGA	Laguna Mountains	
LGAR	La Grange	
LGAT	Lohaghat	
LG-AZ	Long Valley	
LGBM	Gray Butte	
LGC	Lakewood Golf Course	
LGCB	Laguna Cube	
LGD	Lagodekhi	
LGD1	IAGKADAS	
LGDO	Mt Longido	
LGG	Legon	
LGGR	Lagonegro	
LGHD	Ghdames	
LGHM	Grouse Hill	
LGIF	Le Givre - 85101 - Vendee - France	
LGKY	Lock 6	L6KY
LGM	Little Green Mountain	
LGMB	Garner Mountain, Tennant, CA USA	
LGMM	Garner Mountain	
LGMT	Lincoln, Montana	
LGN	Lagunillas	
LGNH	Logne	
LGNR	Loginova	
LGOR	La Grande	
LGP	Legaspi	
LGPLA	Lodgepole	
LGPM	Granite Peak	
LGQ	La Grande	
LGR	Logrono	
LGRM	Grenada	
LGS3	Luogosano	
LGSN	Lac de Gras South	
LGT	Lagarterita	
LGTI	Lohaghat	
LGTM	Lightning Creek	
LGUZ	Los Guarumos	
LHA	Lhasa	
LHAH	Las Aradas	
LHBM	Lucas Heights	
LHBS	Lower Hutt Normandale	
LHC	Lakehead University	
LHCM	Hat Creek	
LHD	Little Hoodo Mountain	
LHE	Lhers	
LHEM	Herd Peak	
LHES	Hutt Central	
LHG	La Concha	
LHHM	High Hole Crater	
LHI	Lord Howe Island	
LHIS	Lihir Island	
LHJ1	Lahijan	
LHJ2	Lahijan - Gilan	
LHKM	Mount Harkness	
LHM	Lake Helena	
LHMI	Lhok Sumawe	
LHMM	Hirz Mountain	
LHN	Lillehammer	
LHO	Holmfirth	
LHOM	Hoadley Peaks	
LHRS	Lower Hutt Normandale Rock Site	
LHS	Liberty Hill	
LHSG	Loharsingha	
LHSI	Lahat	
LHSM	Semendo, Sumatera Selatan	
LHU	Lake Hughes	
LHUT	Little Humpy Peak	
LHV	Little Huntoon Valley	
LI-	Liberty	LI-NV
LIA	Limnos Island	
LIB	Langara Island	
LIB1	Thessaloniki Library	
LIBD	Limburg	
LIBE	Liberia	
LIBM	Chiapas	
LIBMX	Puerto Libertad, LIB	
LIBRI	Librizzi	
LIC	Lamto	
LICE	Lice-DIYARBAKIR	
LICH	Lichinga	
LICM	Lichinga	
LICR	Limon	
LID	Liddow	
LIDC	Puerta Blanca, LID	
LIENZ	Kamor/St.Gall Rh.T	
LIFNC	LIFOU	
LIGA	Liganga	
LIJA	Lijar	
LIK	San Giovanni Incarico	
LIKS	Likavka	
LIL	Lille	
LILH	Lima (NY)	
LILI	Casa Paps Liliana Troncoso	
LILIE	Bech	
LILM	Lilongwe	
LILU	Lilltraesk	
LIM	Lima	
LIM1	Limonal	
LIME	Lime	
LIMH	Limerick	
LIMM	Veracruz	
LIMN	Finca el Limon	
LIMO3	Limones	
LIN	Lincoln	
LINA	Linosa Island	
LINC	Lincoln Crop and Food Research	
LINO	Lindsay	
LINV	Loch Inver, Assynt	
LI-NV	Liberty	
LIO	Limon	
LIO3	Lioni	
LIOB	Emei	
LIP	Lipkovo	
LIPC	Lipinka	
LIRD	Liard River Highway Maintenance Camp	
LIRI	LIRI	
LIRS	Lower Hutt IRL	
LIRZ	Lichensteins Rd	
LIS	Lisbon	
LISA	Nevado del Ruiz	
LISJ	El Lisan	
LISM	Lingge Isaq, Aceh	
LIT	Litokhoron	
LITE	Lita	
LITE1	Lita	
LITH	Al Lith	

Code	Station Name	Other
LITR	Litchfield	
LITV	Little Valley, CA USA	
LIV	Leghorn	
LIVA	Livingstonia	
LIVV	Livingston, Bulgarian Antarctic Base	
LIY	Limay	
LJB	Lovejoy Buttes	
LJBD	Adjabya	
LJC	La Jolla	
LJDO	Lageado - TO	
LJFR	Jufra	
LJI	Lemhi Junction	
LJO	Ljotipollur	
LJPI	Lereh, Papua Barat	
LJS	Tabasco	
LJU	Ljubljana	
LJUN	La Junta	
LJX	Las Lajas	
LJY	La Joya	
LKB	Lokbatan	
LKBA	Tubou, Lakemba	
LKBD	Leukerbad	
LKBD2	Leukerbad 2	
LKC	Lake Chabot	
LKCI	Pakue, Sulawesi Tenggara	
LKD	Levkas	
LKD2	Lefkada island	
LKFR	Kufra	
LKG	Breislack	
LKGA	Lookout Mountain	
LKGR	Lake Grace	
LKGWB	Lokgwabe	
LKL	Kirkby Lonsdale	
LKLB	Kalborn	
LKN	LUCKNOW	
LKO	Korhogo	
LKP	Lekhapani	
LKR	Lokris	
LKRN	Lenkeran, Azerbaijan	
LKSM	Suliki, Sumatera Barat	
LKUCM	Langgikima	
LKVW	Lakeview	
LKW	Lake Wisdom	
LKWY	Lake	
LL-	Laurel	LL-MS
LL01	San Ignacio de Huinay	
LL02	Futaleuf	
LL03	Petrohue	
LL04	Puerto Octay	
LL05	Los Muermos	
LL06	Loncomilla	
LL07	Hotel Espejo de Luna	
LL1C	La Loma 1 Canario Temporal	
LL21	Loliondo SS	
LL22	Malambo SS	
LL23	Sali PS	
LL24	Masusu PS	
LL2C	La Loma 2 Canario Temporal	
LL3C	La Loma 3 Canario Temporal	
LL5C	La Loma 5 El Paso	
LL65	Arash bomas	
LL66	Piyaya bomas	
LL6C	La Loma 6 Becerril	
LL7C	La Loma 7 Curumani	
LL8C	La Loma 8 Chimichagua	
LLA	Llanada	
LLAC	Llano	
LLAH	Lualailua	
LLAV	El Llanito	
LLC	La Lucha Farm	
LLCH	Llolleo	
LLD	Lille Linde	
LLGN	La Laguna	
LLI	Lipari	
LLIC	Llico	
LLIS	Llivia - Poliesportiu	
LLJ	Guerrero	
LLKY	Land-Between-the-Lakes	
LLL	Lillooet	
LLLB	Lillooet	
LL-MS	Laurel	
LLNJ	Naranjito	
LLO	Longridge	
LLOA	Lloa	
LLP	Lapu-Lapu	
LLRI	Little Lost River	
LLS	Linth-Limmern	
LLSI	Lubuk Linggau Barat, Sumatera Selatan	
LLSM	Limau, Lampung	
LLSO	Lake La Su An	
LLW	Llanuwychllyn	
LLY	Lytham Saint Anne's	
LM-	Lake Mead	LM-NV
LM01	Lskr Muir 01	
LM02	Lake Muir 02	
LM03	Lake Muir 03	
LM04	Lake Muir 04	
LM05	Lake Muir 05	
LM103	Lake Malawi, 103B	
LM107	Lake Malawi, 107	
LM108	Lake Malawi, 108	
LM109	Lake Malawi, 109	
LM110	Lake Malawi, 110B	
LM111	Lake Malawi, 111	
LM112	Lake Malawi, 112	
LM113	Lake Malawi, 113	
LM114	Lake Malawi, 114	
LM115	Lake Malawi, 115	
LM116	Lake Malawi, 116	
LM117	Lake Malawi, 117	
LM118	Lake Malawi, 118B	
LM119	Lake Malawi, 119	
LM120	Lake Malawi, 120	
LM121	Lake Malawi, 121	
LM2	Lima (Magdalena)	
LM203	Lake Malawi, 203B	
LM206	Lake Malawi, 206B	
LM301	Lake Malawi, 301	
LM302	Lake Malawi, 302B	
LM303	Lake Malawi, 303	
LMA	Le Marinel	
LMBQ	La Malbaie	
LMC	Lamocks	
LMCA	La Montaesa	
LMCR	Lookout Mountain	
LMD	Lutirano	
LMD1	Lamerd	
LMDM	Medicine Lake	
LMEL	Las Melosas	
LMEM	Manzanita Entrance	
LMF	Le Mans	
LMG	Lamington	
LMGC	Las Mercedes	
LMHM	Little Mount Hoffman	
LMI	Millom	
LMK	Market Rasen	
LML	Lae--Mount Lunaman	
LMM	Maputo	
LMN	Caledonia Mountain	
LMN1	MIRINA LIMNOU	
LMNES	Limones	
LM-NV	Lake Mead	
LMO	Lookout Mountain Observatory	
LMOS	Esentepe-Goktepe-KARAMAN	
LMP	Lamap	
LMPH	Lampalashi	
LMPM	Military Pass	
LMQ	La Malbaie	
LMR	La Mourre	
LMS	Lookout Mountain Observatory	
LMS2	Laimos Florinas	
LMSR	Misrath	
LMT	Lemonthyme	
LMTI	Langke Rembong, Nusa Tenggara Timur	
LMTN	Little Mountain	
LMTZ	Lermontov	
LMU	Lake Mountain	
LMUT	Lake Mountain	
LMW	Ladd Mountain	
LMX	La Mesa Andrade	
LMZ	Lake Moeraki	
LMZM	Manzanita Lake	
LN14	Matela PS	
LN15	Lekule Girls SS	
LN16	Kitarini PS	
LN25	Lake Natron SS	
LN26	Engaresero PS	
LN34	Lwondulwo boma	
LN35	Magadini PS	
LN45	Noondotu PS	
LN46	New Vision PS	
LN9	Lone Pine	
LNA	Lyangar	
LNAS	Los Alamitos	
LNB	Las Nubes	
LNBQ3	Los Naranjos, Chiriqui	
LNC	Lunacharskoye	
LNCH	Linares	
LNCR	Limon	
LND	London (Ont)	
LNF	Linfen	
LNG	Luning	
LNGL	El Angel-Carchi	
LNGO	Langhirano	
LNGQ	Gaz Metro	
LNIG	Linares	
LNIZ	Loecknitz	
LNK	Lankaran	
LNKU	Linkoeping	
LNM	Leon	
LN-MA	Lewistown	
LNN	Saint Petersburg	
LNO	Leonard	
LNO2	Leonard	
LNO3	Leonard	
LNOR	Lincton Mountain	
LNR	Lonorore	
LNS	Lanslevillard	
LNSD	Lincoln	
LNSK	Leninskoye	
LNSM	East Lansing	
LNSS	Leonessa	
LNV	Longovilo	
LNVN	Lang Ngam	
LNX	Lenox	
LNXN	Yorkville, LNXT	
LNXT	Lenox	
LNY01	LNY01	
LNY02	LNY02	
LNY03	LNY03	
LNY04	LNY04	
LNY05	LNY05	
LNY06	LNY06	
LNY07	LNY07	
LNY08	LNY08	
LNY09	LNY09	
LNY10	LNY10	
LNY11	LNY11	
LNY12	LNY12	
LNY13	LNY13	
LNY14	LNY14	
LNY15	LNY15	
LNY16	LNY16	
LNY17	LNY17	
LNYS	LNYS	
LO-	Lovelock	LO-NV
LO2	Pahute Mesa	
LOA	Los Alamos	
LOAL	Lomas de Alarcon	
LOBA1	Barahona	
LOBA2	Hotel Casa Bonita	
LOBH	Bahia de las Aguilas	
LOBO	Lobor	
LOC	Lincoln School	
LOCA	La Canela, Santiago	
LOCF	Locquirec - 29133 - Finistre - Bretagne - France	
LOCM	Lore Tengah, Sulawesi Tengah	
LOCO3	Loma Colorada, Chiriqui	
LOCW	Locke Island	
LOD	Lodumlu	
LODA1	ITESIL, Dajabon	
LODD	Lod	
LODK	Lodwar	
LODU1	El Espartillar, Duverge	
LOE	Loei	
LOEI	Loei	
LOERI	eriesfontein,Northern n Cape Province	
LOES	Loerrach-Stetten	
LOEW		
LOF	Lofoten	
LOG	Logan	
LOGN	Logan Glacier	
LOH	Wallersheim-Loch	
LOHW	Long Hollow	
LOIL	Loyola University of Chicago, IL, USA	
LOJ1	Universidad tcnica Particular de Loja	
LOK	Lockwood Valley	
LOKS	Mount Lookout	
LOKY	Lockhart	
LOLA	Los Lagos	
LOLU	Luperon, Puerto Plata	
LOM	Lome	
LOMA	Loma Larga	
LOMA3	Las Lomas, Chiriqui	
LOMB	Lombego	
LOMC	Monte Cristi	
LOMF	Lomont	
LOMO	Loma en Medio	
LOMS	Lomita	
LON	Longmire	
LONA1	Toro Cenizo, Nagua	
LONE1	Neyba	
LONE2	Loma La Sidra	
LONE3	El Aguacate, Bahoruco	
LONT	Longtian	
LO-NV	Lovelock	
LONY	Lake Ozonia	
LOOK	Love County	
LOP	Lookout Peak	
LOPE2	Hotel El Pedernal	
LOPI	Piloto, Monte Cristi	
LOPP1	Punta Rusia, Puerto Plata	
LOPS	Lodge Patagonia Sur	
LOPT	Lopu atari	
LOPU	Pueblo Viejo, La Vega	
LOPUX	Lopukhinka	
LOR	Lormes	
LOR1	SAN LORENZO 2	
LORA	Ranchadero, Monte Cristi	
LORE	San Lorenzo	
LORF	La Fuente	
LORO	Los Roques	
LORV	San Lorenzo	
LOS	Limnos	
LOSC	Losov	
LOSC1	San Cristbal IPL	
LOSI	Makongolosi	
LOSM	Lostock Dam	
LOSS	Makongolosi	
LOSSI	Lossi	
LOSU	Losuia	
LOT	Lotru	
LOTA	Lotan	
LOU	Louis Bay	
LOUF	Saint-Loup	
LOUT	Loutraki	
LOVF	Loviisa	
LOVI	El Cajuil, Oviedo	
LOY	Loyalton	
LOZ	Lake Ozonia	
LOZB	Loznitsa	
LP-	La Pryor	LP-TX
LPA	La Plata	
LPAR	Lepanto	
LPAZ	La Paz	
LPB	La Paz	
LPC	La Cumbre Peak	
LPCA	La Paz, Cordoba	
LPCM	Lembang, Sulawesi Selatan	
LPD	Lampedusa	
LPDG	Lampedusa Capo Grecale	
LPDM	Pondosa	
LPDS	Lyttelton Port	
LPEF	Le Peyrat	
LPEL	Lama dei Peligni	
LPF	Le Pertre	
LPG	La Plagne	
LPH	Laupahoehoe	
LPHEP	Lephephe	
LPI	Lipari	
LPIG	La Paz	
LPK	Lapseki	
LPL	La Plagne	
LPLA	Las Palmas La Amistad	
LPM	Los Pinos Mountain	
LPMF	Morne Lapointe	
LPO	Le Pouchou	
LPPC	Paso Canoas	
LPPG	Potrero Grande, P.H Las Palmas	
LPQ	La Pocatiere	
LPR	La Peregrina	
LPR1	LIPARI	
LPS	La Palma	
LPSM	Lengayang, Sumatera Barat	
LPSR	Galich'ya Gora	
LPSV	San Vito, P.H. Las Palmas	
LPT	Lampang	
LP-TX	La Pryor	
LPW	Lampeter	
LPX	La Paz	
LPZ	San Calixto	
LQA	La Quiaca	
LQF	Le Quartier	
LQP	Lukban	
LQQ	La Grande 4	
LQT	Los Queltehues	
LR02	Universidad Austral	
LR03	Panguipulli	
LR04	Corral	
LR05	Currie	
LR9	Liard River	
LRA	Little Rock	
LRAL	Lakeview Retreat	
LRC	Lone Oak Road	
LRCG	Laurel Creek	
LRCZ	Leaning Rock	
LRDF	Laroque-de-Fa	
LRDM	Redding Peak	
LRDO	Lorado	
LREZ	Lake Rotokare	
LRG	Lorgues	
LRI	Big Lost River	
LRK	Lerik	
LRKT	Look Rock	
LRM	Limekiln Ridge	
LRMC	Laurel Mtn Radio Fac, Ridgecrest	
LRN	Richmond	
LRNG	Lernagog	
LRNO	Larino	
LRNS	Lernantsk	
LRO	Larroussi	
LRONZ	Lake Rotoehu	
LRP	Arpino	
LRQ	La Grande 3	
LRQ1	La Romaine 2 Dam	
LRQ2	La Romaine 2 Dam Dyke F2,	
LRR	Leresti	
LRRC	Littlerock Reservoir	
LRRZ	Lawrence Road	
LRS	Lares	
LRSC	Lauriston	
LRSO	Larissa Observatory	
LRSS	Randwick School	
LRV	Little Rabbit Valley	
LRVA	Lonesome Ridge	
LRVF	chteau la Rivire	
LRW	Lerwick	
LRWS	Lerwick	
LRYF	La Roche-sur-Yon	
LS-	Lisbon (USA)	LS-NH
LS01	LS01	
LS02	LS02	
LS03	LS03	
LS04	LS04	
LS05	LS05	
LS06	LS06	
LS07	LS07	
LS08	LS08	
LS09	LS09	
LS10	LS10	
LS11	LS11	
LS12	LS12	
LS13	LS13	
LS14	LS14	
LSA	Lhasa	
LSCB	Caraubas	
LSCH	La Serena	
LSCM	Lalabati Rilau, Sulawesi Selatan	
LSCT	Lakeside	
LSCZ	Lilico Spur	
LSD	Lago del Serru	
LSDC	Los Osos Digital	
LSF	La Souterraine	
LSH	Leshukonskoye	
LSHF	Shwairf	
LSHM	Sage Hen Hill	
LSI	Little Sitkin Island	
LSI01	Los Alamos Infrasonic Array Site 1	LSIAR
LSI02	Los Alamos Infrasonic Array Site 2	
LSI03	Los Alamos Infrasonic Array Site 3	
LSI04	Los Alamos Infrasonic Array Site 4	
LSIAR	Los Alamos Infrasonic Array Beam Reference Point	
LSIP	Lazi, Siquijor	
LSK	Leskovik	
LSLC	Lagoa do Cedro	
LSLM	South Lassen	
LSM	Little Skull Mountain	
LSM0	Laboratory Soil Mechanics	
LSM1	Laboratory Soil Mechanics	
LSN	Little Skull Mountain	
LSN4	Lesnoe	
LS-NH	Lisbon	
LSNI	Lunyuk, Sumbawa, Nusat Tenggara Barat, Indonesia	
LSNR	Lesken	
LSNW	Little Sitkin NW	
LSOL	La Lindora	
LSP	Las Mesas	
LSP2	Las Mesas	
LSPA	Little Sitkin PP	
LSPF	Lesparou	
LSPI	La Spezia	
LSQ1	Lac Sinclair, Quebec	
LSQQ	Lebel-sur-Quevillon	
LSR	Lussari	
LSRB	Maranguape	
LSRC	Lake Sumner Road	
LSRT	Sirt	
LSS	Leonessa	
LSSA	Little Sitkin S'e	
LSSE	Little Sitkin SE	
LST	Lone Star	
LSTR	Listvyanka	
LSTV	Lastovo	
LSU	Lake Shores	
LSU1	Parcperdue Array	
LSU2	Parcperdue Array	
LSU3	Parcperdue Array	
LSU4	Parcperdue Array	
LSU5	Parcperdue Array	
LSUT	Lucky Star	
LSVB	Lang Son station	
LSVT	Lusahovit	
LSW	Landslide	
LSZ	Lusaka	
LT-	Lewistown	LT-PA
LT1	Stevens Creek	SEC
LT11	Empire Grade Rd	EGR
LT12	Eureka Canyon	EUC
LT13	Angel Island	AGC
LT15	Bear Creek Road	
LT16	Bolinger Road	BGC
LT17	Morgan Territory	MTC
LT18	Palomares Rd	PLC
LT2	St Joseph	SJH
LT3	Portola State Park	
LT4	Stanford	SFT
LT5	La Honda	
LT6	Woodside	WDS
LT7	Menlo Park	MOB
LT8	Coyote Hills	CYH

Code	*Station Name*	*Other*
LT9	San Andreas Lake	
LTA	Leoben	
LTB3	Lajitas B3	TX04
LTBQ	Tobruq	
LTC	Little Chuckwalla Mountains	
LTCM	Tuscan Springs	
LTG	Los Tablones	
LTGO	Lithgow	
LTH	Lepaterique	
LTHK	Lithakia	
LTHS	Al Lith	
LTI	Latouche	
LTIB	Timbered Crater, Pondosa, CA USA	
LTIM	Timbered Crater	
LTK	Loutraki	
LTKA	Viseisei, Central Div. Fiji	
LTL	Livingston	
LTM	Little Maria Mountains	
LTMT	Little Table Mountain	
LTN	Lennox	
LTNI	Lombok Timur, Nusa Tenggara Barat, Indonesia	
LT-PA	Lewistown	
LTQ	La Grande	
LTR	Lone Tree Road	
LTRA	Loutraki	
LTRP	Tripoli	
LTRR		
LTRS	Loutraki	
LTRZ	Laterza	
LTSM	Lumut, Sumatera Utara	
LTSN	Latisana	
LTT	Louis Trichardt	
LTTV	Tivoli	
LTU	Little Mountain	
LTUP	Las Tunas	
LTVH	Ltavrtes, Hungary	
LTW	Los Trancos Woods	
LTX	Lajitas	
LTY	Liberty	
LTZ	Lake Taylor	
LUA	Luanda	
LUB	Lubbock	
LUBAN	Lubango	
LUBAR	Lubar, Ukraine	
LUBP	Lubang	
LUBY	Luby	
LUCE	EL LUCERO, RIO SANCHEZ	
LUCF	Luceram	
LUCM	Lore Utara, Sulawesi Tengah	
LUCR		
LUDR	Luperon	
LUEB	Luebbecke	
LUENA	Luena	
LUES	Luesalemba Temotu	
LUET	Kirchberg, Germany	
LUEV	Luepa	
LUG	Luganville	
LUHNE	HRB Luhne-Lengefeld	
LUI	LUINO	
LUJA	Lujan	
LUJI	Lumbang, Jawa Timur	
LUJL	Ujela	
LUK		
LUKA1	Lukmanier-Pass	
LUKC	Luka	
LUL	Lundy Lake	
LULE	AFAR0911 - ZR	
LUMB	Murzuk	
LUMP	Lumpola	
LU-MS	Lumberton	
LUN	Lund	
LUNA	Lae	
LUNI	Base Naval La Union	
LUNU	Lund	
LUPA	Lehigh University	
LUPE	Guadalupe	
LUPN	Lupin Mine	
LURI	Luri	
LUS	Lusaka	
LUSI	Trento, Gardasee/Lago di Garda	
LUTC		
LUV	Laichau	
LUWI	Luwuk	
LUX	Luxembourg	
LUZB	Luzhba, Kemerovskaya Oblast', Russia	
LV-	Liddieville	LV-LA
LV9	Isola Levanzo	LVI
LVA	Lava Point	
LVAR	Leachville	
LVBS	Lehavot Habashan	
LVC	Limon Verde	
LVG	La Victoria	
LVGX	La Villita	
LVI	Isola Levanzo	
LVIA	Vianden	
LVIG	Laguna Verde	
LVK	Lovelock	
LV-LA	Liddieville	
LVMM	Veracruz	
LVN	Las Vegas	
LVN1	LAVIANO	
LVNJ	Long Valley	
LVNO	Livorno Protezione Civile	
LVP	Lakeview Peak	
LVR	Liverpool	
LVRA	Laurium	
LVRI	Lost Valley Reservoir	
LVS	La Villa de Los Santos	
LVU	Levan Peak	
LVV	L'vov	
LVVM	Laguna Verde	
LVW	Las Vegas	
LVY	Levy	
LVZ	Lovozero	
LW-	Lake Wenatchee	LW-WA
LW01	OBS LW01	
LW06	OBS LW06	
LW07	OBS LW07	
LW11	OBS LW11	
LW13	OBS LW13	
LW15	OBS LW15	
LW18	OBS LW18	
LW20	OBS LW20	
LW22	OBS LW22	
LW24	OBS LW24	
LW26	OBS LW26	
LW28	OBS LW28	
LW30	OBS LW30	
LWA	Lower Mag Wash	
LWH	Whinny Nab	
LWI	Lwiro	
LWLI	Liwa	
LWM1	Layne Water Midstream 1	
LWM2	Layne Water Midstream 2	
LWN	416	
LWNG	Array-Uganda/Tanzania zania - ZP	
LW-WA	Lake Wenatchee	
LXIB	Xiulin Township	
LXQ	La Grande 3	
LXR	Lexington Reservoir	
LXR1	Lixouri, Cephalonia isl., Greece	
LXRA	Lixouri, Kephalonia	
LYDE	Elidar	
LYES	Lernapar	
LYJJ	Jianjiangzhen	
LYLS		
LYMT	Lyon Mountain	
LYN	LuoYang	
LYNC	Lynnwood City Hall ANSS-SMO	
LYNN	Rosslynne Res.	
LYP	Liyang	
LYUB	Lan-yu	
LYW	Lyman	
LY-WA	Lynden	
LZ-	La Paz	LZ-BV
LZA0	LANZHOU ARRAY SITE A0	
LZA1	LANZHOU ARRAY SITE A1	
LZA2	LANZHOU ARRAY SITE A2	
LZA3	LANZHOU ARRAY SITE A3	
LZB	Mount Lazard	
LZB1	LANZHOU ARRAY SITE B1	
LZB2	LANZHOU ARRAY SITE B2	
LZB3	LANZHOU ARRAY SITE B3	
LZB4	LANZHOU ARRAY SITE B4	
LZB5	LANZHOU ARRAY SITE B5	
LZBB	LANZHOU ARRAY SITE BB	
LZ-BV	La Paz	
LZDM	Lanzhou Array Beam Reference Point	
LZG	Guadaloupe-1	
LZH	Lanzhou	
LZLA	Zalla	
LZR	Lazarev	
LZRR	Lazarevskoye	
M004	Dlalha	
M005	Laghdir	
M006	Ctre Commune Tamorot	
M007	Tizi Ouasli	
M008	Mechra Hommadi	
M010	Touazithe	
M012	Douar Al Jazira	
M013	Dehoura	
M014	Douar Assehloun	
M015	Debdou	
M016	El Aouinet	
M017	Sidi Mnan	
M018	Ctre Commune Adrej	
M019	Kzer Tazemourite	
M01A	M01A	
M01C	Crescent City	
M01C7	M01C7	
M0282	Quebese, A0282	
M0295	Nova Mambone, A0295	
M0297	Inchope, A0297	
M02A	M02A	
M02C	Callahan	
M02C7	M02C7	
M0302	Macossa, A0302	
M03A	M03A	
M03C	McCloud	
M03C7	M03C7	
M04C	Macdoel	
M04C7	M04C7	
M05C	Lookout	
M05C7	M05C7	
M06A	M06A	
M06C	Likely Place Golf, Likely	
M06C7	M06C7	
M0770	Cavilane, A0770	
M0781	Caia, A0781	
M0786	Catandica, A0786	
M0789	Sofala, A0789	
M07A	Soldier Meadows	
M07A7	M07A7	
M07C	M07C	
M0805	Chai village, A0805	
M0818	Chokwe, A0818	
M08A	Happy Creek Ranch, Winnemucca	
M08A7	M08A7	
M08C	M08C	
M09A	Marrel Ranch, Paradise Valley	
M09B	M09B	
M1025	Muanza, A1025	
M1030	Susundenga, A1030	
M1032	Serra Gorong, A1032	
M10A	I.L. Ranch, Tuscararo	
M10B	M10B	
M11A	Holland Ranch, North Fork	
M11B	M11B	
M11K	Mekoryuk	
M12	M12	
M12A	Wells	
M12B	M12B	
M13A	Montello	
M13B	M13B	
M13D	M13D	
M13K	Dall Lake	
M14A	Sheep Mountain BLM, Rosette	
M14B	M14B	
M14D	M14D	
M14K	Bethel	
M15A	Larsen Ranch, Promontory	
M15D	M15D	
M15K	Kasigluk River	
M16A	Huntsville	
M16D	M16D	
M16K	Timber Creek	
M17A	Scullys Gap (BLM), Evanston	
M17D	M17D	
M17K	Holitna River	
M18A	Lyman	
M18B	M18B	
M18K	Stony River	
M19A	Rock Springs	
M19K	Big River Lodge, Big River	
M20A	Sweetwater, Wamsutter	
M20K	Styx River	
M21A	Separation Peak, Rawlins	
M22A	Cedar Creek Ranch, Saratoga	
M22K	Willow	
M23A	Laramie	
M23K	Glacier View	
M24A	Cheyenne	
M24K	Tolsona, Glennallen	
M25A	Palm-Egli Farm, Albin	
M26A	McRoberts Ranch, Bridgeport	
M26K	Nabesna, AK	
M27A	Reverse DX Ranch, Oshkosh	
M27K	Edge Creek, AK	
M28A	Bar X Bar Ranch, Keystone	
M29A	Burnside Ranch, Stapleton	
M29M	Somme Creek	
M30A	Dale-Ortello Valley, Anselmo	
M30M	Minto, Yukon	
M31A	Lambtecht Ranch, Loup City	
M31M	Drury Creek, Yukon	
M33A	Taylor Creek Farms, Clarkson	
M3433	Machasi, A3433	
M34A	Aspy Farms, Fremont	
M3522	Mafambisse, A3522	
M3527	Staff village, 3527	
M35A	Neola	
M36A	Felix, Anita	
M37A	Trindle Farm, Earlham	
M3869	Nhangau, A3869	
M3870	Villa Arriage, A3870	
M3878	Maxixe, 3878	
M38A	Pleasantville	
M3901	Malelane, 3901	
M39A	Webster	
M3A16	Orpen Rest Camp, 3A16	
M3A19	Chidenguele, A3A19	
M3G66	Mabote, A3G66	
M3G86	Duma, A3G86	
M3G93	Massangena, A3G93	
M40A	Post Highland Seismo, Ainsworth	
M41A	Milan	
M42A	Sheffield	
M43A	Waltham Township, Utica	
M44A	Midewin, Midewin Nat. Tallgrass Prairie	
M45A	Boilermakers Shaker, Crown Point	
M4658	Funhalouro, A4658	
M46A	Old House Field, Plymouth	
M47A	Cromwell	
M48A	Edgerton	
M49A	Liberty Center	
M50A	Fremont	
M51A	Elyria	
M52A	Chesterland	
M53A	WI Miller and Sons, Farmdale	
M54A	Oil Creek State Park, Oil City	
M55A	Ridgway	
M56A	Emporium	
M57A	Sunshine Farm, Cogan Station	
M58A	Price's Panorama, Muncy Valley	
M59A	Waymart	
M60A	Port Jervis	
M61A	Granite Springs	
M62A	Hamden	
M63A	Gales Ferry	
M64A	Tiverton	
M65A	Busby, Falmouth	
M66A	Nantucket	
MA1	Montasola	MNS
MA2	Magadan	
MA9	Marino	
MAA	Manantiales	
MAB1	Monte Acero	
MABC	Malibu	
MABD	Mabed	
MABG	Mt Annan Botanic Gardens	
MABI	Malga Bissina	
MABP	Mabini Batangas, Philippines	
MAC	Mark West Springs	
MAC1	Machachi 1	
MAC2	Machachi 2	
MAC3	Machachi 3	
MAC5	Machachi 5	
MACA	Manacapuru-AM	
MACA3	Macaracas	
MACC	Macarena, Meta	
MACE	Macas	
MACH	Maria Elena	
MACI	Morro de la Arena	
MACK	Trabzon	
MACM	Macedon	
MACN	El Madrono	
MACO	Marietta College	
MACP	Maragondon, Cavite	
MAD	Madang	
MAD3	Madden Dam	
MADA	Marmara adası, Balıkesir	
MADF	Madeleine	
MADG	Magdalen Islands	
MADN	Villa Maderas	
MADO	Madoc	
MADR	Mao Valverde	
MADS	Madsous	
MAE	Maebashi	
MAEG	Marmara Ereglisi-TEKIRDAG	
MAEJ	Maebashi 2	
MAENZ	Matahina East	
MAES	Espoo, Malminkorpi	
MAF	Mazirat	
MAFI	Mafinga	
MAFN	Magfor	
MAG	Magadan	
MAG1	Magdalena	
MAGA	Magasa	
MAGC	SCE Magundon Plant	
MAGD	Magdalena	
MAGG	Maguga Dam	
MAGK	Magadi	
MAGL	Barre de l'ile, St louis, Marie Galante	
MAGO	Bibbona	
MAGOA	Magoula	
MAGR	Mount Albert Grammar School	
MAGS	Ministerio de Agricultura y Ganaderia, Santa Tecla	
MAGT	Magosa	
MAGU	Magoula	
MAH	Mahableshwar	
MAHB	Mahabad	
MAHO	Mahon	
MAHZ	Mahia	
MAI	Maizuru	
MAIG	Mazatlaan	
MAIM	Mastiano	
MAIO	Mashhad (SRO)	
MAIT	Maitri	
MAJ	Maron	
MAJ01	Sao Joao Batista-SC	
MAJI	Maji Moto Rd	
MAJO	Matsushiro	
MAK	Makhachkala	
MAKA	Makarska	
MAKE	Makete	
MAKGR	Makgori	
MAKK	Maki	
MAKM	Makambako	
MAKR	Makrakomi, Fthiotida	
MAKS	Makuyuni S	
MAKT	Makukawa	
MAKU	Maku	
MAKZ	Makanchi	
MAL	Malaga	
MAL2	Monte Alegre, PA, Brazil	
MALA	Malamata, Dorida, Central Greece	
MALA0	Maryeong	
MALB	Monte Alegre	
MALC	Bahia Malaga	
MALE	AfricaArray/PSU - ZP	
MALES	Malesina	
MALG	Malagash, Nova Scotia	
MALI	Ali	
MALIN	Malinovka, Kuzbass, Russia	
MALJ	Lake Magadi	
MALK	Mahakanadarawa	
MALM	Malindi	
MALO	McAlpine Lake	
MALT	Malatya	
MALTN	Maltahohe	
MALV	Refuge Malinvern	
MAM	Mambajao	
MAMA	Mamay	
MAMC	Mammari	
MAME	Mamelis	
MAMG	Mamou	
MAMI	Mei-Ami	
MAMO	Mamousia	
MAN	Manila	
MAN01	Angra dos Reis-RJ	
MAN1	Correggio Man	
MAN2	Manyara 2	
MANA	Manning	
MANC	Manicuare_ULA	
MAND	Mandvi	
MANDA	Manda	
MANE	Mangone	
MANEE	Marsico Nuovo	
MANEM	Manem	
MANG	AfricaArray SE Tanzania Basin Experiment - YH	
MANI	Manica	
MANM	Veracruz	
MANN	Mannheim	
MANNZ	Manawahe	
MANO	Manonville	
MANR	Mangalia	
MANS	Anshas	
MANSI	Mansion, MANS	
MANT	Manisa	
MANU	Manus Island	
MANV	Manamana	
MANY	Mount Airy	
MANYT	Manyoni	
MANZ	Manzenberg	
MAO	Monte Argentario	
MAO1	Mao	
MAOD	Malaho	
MAON	Monte Argentario	
MAP	Mactan	
MAPC	Malpelo	
MAPH	Mapinhane	
MAPI	Mapinhane	
MAPS	Pakushin Southeast, Makushin Volcano	
MAPV	Macapo	
MAPY	Madrejon	

Code	Station Name	Other
MAR	Marseilles	
MAR04	UHE Marimbondo	
MAR1	Marmaraadasi Cinnet	
MAR2	Marsite Station 2 Hoskoy	
MAR3	Marsite Station Guzelkoy	
MAR4	Marsite Station 4	
MAR5	Marsite Station Ucmakdere	
MAR6	Marsite Station Kirazli	
MAR7	Marsite Station Mursalli	
MAR8	Marsite Station Cinarli Koyu	
MAR9	Marsite Station Marmara Adasi	
MARA	Maracay	
MARB	Ma'rib	
MARC	Maricopa	
MARCA	Marcala la Paz	
MARCO	Tramutola	
MARD	Mardin	
MARE	Marsico Vetere	
MARET	Marettimo	
MARG	Lake Margaret	
MARH	Ras Al Marh	
MARI	Martimbang	
MARI3	Mariato, Veraguas	
MARIN	Mariental	
MARIO	Marineo	
MARJ	Al Marj	
MARK	Kumluca	
MARL	Marlboro	
MARM	Chiapas	
MARMO	Marston	
MARN	Marana (Italy)	
MARNC	Mare, Loyalty Islands, New Caledonia	
MARNZ	Maroera	
MARP	Paez Belalcazar	
MARP2	New Provincial Capitol Complex, Brgy. Buadi Sacayo, Marawi City, Lanao del Sur	
MARR	Marisel-Cluj	
MARS	Marsala (TP) Italy	
MART	Mareth	
MARV	Martvili	
MARVS	Santiago de Cuba	
MARW	Marawi	
MARY	Rancho Maria	
MARYW	Marymoor Park	
MARZ	Manawahe	
MAS	Mason Butte	
MAS01	UHE Manso	
MAS3	Al N del Volcan Masaya	
MASB	Masset	
MASBT	Mashibuluo	
MASC	Masc	
MASF	Masafi	
MASH	Mash`abbe Sade	
MASI	Maura Aman, Bengkulu	
MASJ	El Maslubiya	
MASM	Masjid Raya, Aceh	
MASN	Masaya	
MASO	Asolo, Italy	
MASR	Amasra-Bartin	
MASS	Massafra	
MASSA	Massa (MS), Italy	
MAST	Casa Vasconez, Mastodontes, Carcelen, Quito, Ecuador	
MASU	Masugnsbyn	
MAT	Matsushiro	
MAT0	Matsushiro Array Site 0	
MATA	Matapalo	
MATAM	Matamba	
MATB	Ma-tsu	
MATC	Matruh	
MATE	Matera	
MATF	Mathat	
MATG	Mataguay Scout Camp, California	
MATH	Matsumotoyama	
MATI	Mati	
MATJ	Matjiesfontein	
MATL	Matarih	
MATM	Matthews	
MATN	Matagalpa	
MATP	Matopo	
MATQ	Matagami	
MATS	Near Sharaf	
MATTE	Schuetzenmatte (BS)	
MATW	Matariki Wadsworth Road	
MAU	Matua	
MAUBO	Mauborget	
MAUC	Maruska	
MAUI	Maui	
MAUS	Longido	
MAUS2	AfricaArray - ZP, MAUS	
MAVI	Loma El Joboban	
MAVM	Malinalco, Edo de Mexico	
MAVS	Martinborough Wines Vineyard	
MAVZ	Matarangi	
MAW	Mawson	
MAY	Mayfield	
MAYA	Malatya/Merkez	
MAYB	Maynard	
MAYC	Mayfield School	
MAYE	Mayche	
MAYK		
MAYMX	MAY	
MAYO	Mayo, Yukon	
MAYR	Mayorazgo	
MAYS	Mayak na Mysu Ozernom	
MAZ	Mazatlan	
MAZA	Mabujiaxiang, Xizang Zizhiqu	
MAZI	Mazidag	
MAZR	Mazracia	
MB-	McComb	MB-MS
MB01	Capitignano (AQ), Italy	
MB02	Pago Rovagnano (AQ), Italy	
MB03	Capitignano (AQ), Italy	
MB04	Capitignano (AQ), Italy	
MB05	Capitignano (AQ), Italy	
MB06	Piedicolle (AQ), Italy	
MB07	Marignano (AQ), Italy	
MB08	Capitignano (AQ), Italy	
MB09	Paterno (AQ), Italy	
MB10	Capitignano (AQ), Italy	
MB12	Montereale (AQ), Italy	
MBA	Mount Bingar	
MBAL	Monte Baldo - Osservatorio Astronomico Novezzina	
MBAM	Mbamba Bay	
MBAR	Mbarara	
MBAT	Mbeya	
MBAZ	Motutapu North Island, New Zealand	
MBBI	Muara Bungo, Jambi	
MBBY	Brodericks Yard	
MBC	Mould Bay	
MBDF	Montbardon	
MBEL	Montebelluna (TV)	
MBET	Bethel	
MBEY	Mbeya	
MBFL	Flemmings, Montserrat	
MBFM	Blanchard Fire Station	
MBFT	Monte Bonifato	
MBG	Matouba	
MBGA		
MBGB	Garibaldi Hill	
MBGE		
MBH	Mount Berech	
MBHS	Matema	
MBI	Menan Buttes	
MBIG	Mexicali	
MBJ	Montego Bay	
MBL	Marble Bar	
MBLB	Minette Bay Lodge, Kitimat, BC, Canada	
MBLG	Long Ground	MLGT
MBMH		
MB-MS	McComb	
MBNC	Mukinbudin Central	
MBNS	Mukinbudin South	
MBO	M'Bour	
MBOZ		
MBPA	Monroe Substation	
MBPI	Manimeri, Papua Barat	
MBRC	Mombaroccio	
MBRI	Mt Berech	
MBRV	Rendezvous	
MBRY	Roches Yard	MRYT
MBSI	MBSI	
MBSM	Marga Sakti Seblat, Bengkulu	
MBSS		
MBT	Marble Bar	
MBU	Bua	
MBUL	Mbulu	
MBUM	Mount Bullion	
MBURG	Middelburg,Eastern Cape	
MBUT	Moab	
MBV	Mont Bernier	
MBW	Mount Baker	
MBWA	Marble Bar	
MBWE		
MBWH	Windy Hill	
MBZ	Menzel Bouzelfa	
MC-	Mitchell	MC-SD
MC01	Montes Claros	
MC02	Montes Claros	
MC03	Montes Claros	
MC04	Montes Claros	
MC05	Montes Claros	
MC06	Montes Claros	
MC08	Montes Claros	
MC2	Monte Cornaccione	
MC32	Moccone	
MC51	Sodano, San Giorgio Lucano (MT)	
MC53	Valsinni (MT)	
MCA	Marble Canyon	
MCA2	McAdam 2	
MCA3	McAdam 3	
MCA4	McAdam 4	
MCAA	Afar, MCA	
MCAB	Moca	
MCAD	Moucha	
MCANO	Manzana, Boquern	
MCAR	Mid-South CC	
MCARA	McCarthy VSAT	
MCAS	Mount Castle	
MCASZ	Murchison	
MCB	Moose Creek Bluff	
MCBM	Casa Benchmark	
MCC	Mica Creek	
MCCM	Marconi Conference Center, Marshall	
MCCR	Mono Craters	
MCD	Coleburn Distillery	
MCDA	Marcedusa	
MCDM	Chidago Canyon	
MCDR	Montecristi	
MCE	Mica Creek	
MCECU	Monte-Cecu, CORTE	
MCEL	Monticello	
MCEM	Central Site	
MCG	Mt St Catherine	GRW
MCGN	Macugnaga	
MCH	Masachapa	
MCH1	Michaelchurch	
MCHD	Bankside	
MCHM	Carson Hill	CRH
MCHV	Machiques	
MCHZ	McNeill Hill	
MCI	Monte Cassino	
MCI6	Montes Claros	
MCI7	Montes Claros	
MCI8	Montes Claros	
MCI9	Montes Claros	
MCID	Moose Creek	
MCIF	Montecalvo in Foglia	
MCIG	Muzquiz	
MCIL	McClure	
MCIR	Makushin Cirque	
MCIV	Monte Civitella	
MCJ	Malvern	
MCK	McKinley	
MCKN	MacKay Lake North	
MCKZ	Bingol	
MCL	McNeil River	
MCLF	Montecilfone	
MCLT	Moule a Chique	
MCM	McMurdo Sound	
MCMB1	Michelle Canyon Maxwell	
MCMM	Convict Lake	
MCMN	McManaman Lake, Nunavut	
MCMT	McKenzie Canyon	
MCN	Mercury	
MCNB	McAdam	
MCNL	McNeil River	
MCNS	Mount Cook Annex	
MCO	Taipa Grande	
MCOR	Cornuda	
MCP	Moca	
MCPB	Macapa, AP	
MCPD	Capo d'Orlando	
MCPI	Mackay Peak	
MCPQ	Mount Cooper	
MCPR	OMME Coamo	
MCPZ		
MCQ	Macquarie Island	
MCQV	Machiques	
MCR	Mercer	
MCR1	Marechal Candido Rondon	
MCRA	Macar, Loja	
MCRB	Monte do Carmo	
MCRR	Mono Craters	
MCRS	Metsamor	
MCRU	Las Cruces	
MCRV	Calabrutti - M.te Cervialto	
MCS	Marcus Island	
MCSA	Afar, MCS	
MC-SD	Mitchell	
MCSJ	Minami-tori-shima	
MCSM	Casa Diablo Hot Springs	
MCSO	Mercato Saraceno	
MCSR	Castroreale	
MCT	Mte Cammarata	
MCU	Monte Cristo Peak	
MCUB	Copperopolis Broadband	
MCUM	Copperopolis	
MCUR	Kırehir	
MCV	Mercury	
MCVM	Convict Lake	
MCVT	Middlebury College	
MCVV	Moc Chau	
MCW	Mount Constitution	
MCWV	Mont Chateau	
MCY	Mercury	
MD01	Midelt array site 01	
MD1	Moodus	
MD2	Moodus	
MD3	Moodus	
MD31	MD31	
MD4	Moodus	
MD5	Moodus	
MDA	Mount Davis	
MDAL	Dalia	
MDAR	Monte D'Aria	
MDB	Medias	
MDBA	School, Shinfa	
MDBI	Mazsada	
MDC	Mount Diablo	
MDCM	Deadman Creek	
MDCT	Cottage Hill, Dominica	
MDD	Madrid	
MDG	Madang	
MDGA	Modigliana	
MDGS	Mont de Guillon, France	
MDH	Madha	
MDI	Monti di Nese	
MDIV		
MDJ	Mudanjiang	
MDL	Mandileni	
MDM	Murphy Dome	
MDMP	Dominica, Moore Park	
MDN	Morne-Daniel	
MDND	Maddock	
MDNT	Maden	
MDNY	Mudanya-Bursa	
MDO	Dochfour	
MDOC	Michoacn de Ocampo	
MDOK	Medeo	
MDP	Montagnes des Peres	
MDPB	Devils Postpile Broadband	
MDPM	Devils Postpile	
MDPO	Dominica Chance, Portsmouth	
MDPV	Dominica, Pennville	
MDQNZ	McDougall's Quarry	
MDR	Madras	
MDRA	Mandra, Attica, Greece	
MDRAS	Madrakah	
MDRJ	Muduarah	
MDRK2	MDRK2	
MDRM	Moondarra Dam	
MDRNC	Doe Ridge	
MDRS	Chennai	
MDRV	Mala Drenova	
MDS	Madison	
MDSI	Maura Dua	
MDSJ	Mudaysisat	
MDSM	Mandiavato	
MDT	Midelt	
MDU	Mudurnu	
MDUB	Mudurnu	
MDUM		
MDUR	Maden, Elazı	
MDV	Middlebury	
MDVC	Dominica, Vielle Case	
MDVM	Presa Madin	
MDVR	Moldovita	
MDW	Midway	
MDY	Midway	
MDYL	Doganyol-Malatya	
MDYM	Dry Creek	
MDYO	DHOFAR2 - YR	
MDZ	Mendoza	
ME-	Merritt	ME-BC
ME01	Mistretta	
ME02	San Fratello	
ME03	Palmi	
ME04	Brognaturo	
ME05	Diga del Menta	
ME06	Antenna a Mare	
ME07	Castell'Umberto	
ME09	Pentidattilo	
ME10	Cittanova	
ME12	Panarea 2	
ME15	Gioiosa Marea	
MEA	Monteagle	
MEAN	Meany Midle School	
	ANSS-SMO	
MEB	Medea	
ME-BC	Merritt	
MEC	Mechernich	
MECA	Mercedes	
MECC	Mecca Hills	
MECE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MECH	Mejillones	
MECK	Meckering	
MECP	Medelin, Cebu	
MECS	Makarora Emergency Centre	
MECU	Ecuador Network	
MED	Medan	
MEDA	Medicine Hat	
MEDC	Medellin	
MEDEC	Medelln, Antioquia	
MEDO	Medina	
MEDS	Mednyi	
MEDT	Meda	
MEDY	Medina	
MEE	Meerut	
MEEK	Meekatharra	
MEF	Metsahovi	
MEFR	Maale Efrayim	
MEG	Meangora	
MEGE	Megenta	
MEGN	Megha	
MEGW	Megler CREST BB SMO	
MEH	Mehetia	
MEHL	Mehola	
MEHR	Mehrstedt	
MEI	Melilli	
MEIG	Mezcala	
MEINS	Meinersdorf	
MEJI	Mejillones	
MEK	Meekatharra	
MEKA	Meekatharra	
MEKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MEKS	Meckering South	
MEL	Melbourne	
MELA	Melanico - S. Croce di Magliano	
MELAE	School, Dubaba	
MELE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MELF	Melles	
MELI	Melilla	
MELS	Mels	
MELSS	Ber_school_2	
MELT	Mellieha tower	
MEM	Membach	
MEMM	East Mammoth Hills	
MEMT	Mount Ellis	
MEN	Mendoza	
MENA	Menton	
MEND	High School, Mendi	
MENF	Mencas	
MENG	Caglayancerit, KahramanMaras, Turkey	
MENI	Mendum Tagoi	
MENO	Metropolitana Norte	
MENS	Menlo Terrace Mount Pleasant Christchurch	
MENT	Mentasta	
MENTE	Menteroda	
MENZ	Menzies	
MEO	Meers	
MEP	Mte del Estrado	
MER	Merida	
MERA	Merate	
MERC	Merced, CA USA	
MERCI	Col Merciere	
MERIC	Mericourt-en-Vimeu	
MERK	Meru	
MERN	Meron	
MERS	Mersin	
MERT	Meerut	
MERTO	Secondary School, Merto Lemorgan	
MERV	Las Mercedes	
MERW	Merweville	
MES	Messina University	
MES1	Messina Univ.	MES
MES2	Methoni	
MES3	Kyparissia	
MESA	MESA	
MESA3	La Mesa, Veraguas	
MESC	Monte Escuro	
MESG	Mesagne	
MESJ	Messejana	
MESR	Meseseni	
MESS	Mesas	
MEST	Erdemli	
MESU	Metropolitana Sur	
MET	Memphis--Engineering Building	
MET1	Methana Town, Methana, Greece	
MET2	Kameni Chora, Methana, Greece	
MET3	Ano Fanari,Methana,Greece	
MET4	Agioi	
MET5	Makryloggos,Methana,Greece	
MET6	Megalochori,Methana,Greece	
METK	Mets Parni	
METMA	Mettma DE	
METS	Metsamor	
METSI	Metsovo, MET	
MEU	Monte Lauro	
MEV	Metsovon	
MEVZ	Cumbal	
MEW	McNeil Island	
MEX	Mexico City	
MEXI	Barrio Mexico	
MEZ	Mezhgor'ye	
MEZF	Maizieres J'ville	
MF-	Medford	MF-WS
MF01	Auditore - PU	
MF02	Sant'Agata Feltria RN	
MF03	Monte Grimano Terme	
MF04	Verghereto - FC	
MF05	Perticara (RN)	
MF5	Montefalcone Appennino	

Code	*Station Name*	*Other*
MFA	Mitchell Field	
MFAN	Fanzolo, Italy	
MFBM	Five Bridges	
MFC	Puget-Rostang	
MFCH	Minera del Fierro	
MFERR	Prayon, Val Ferret, La Fouly, VS	
MFF	Saint Martin du Fouilloux	
MFG	MESSINA FORTE GONZAGA	
MFI	Fishrie	
MFID	Camas Ranch	
MFM	Minneapolis	
MFNL	Monte Finestrelle	
MFNN	Fano	
MFO	Meers Fault	
MFOH	Malabar Farm State Park	
MFP	Moca	
MFRD	Siria - Feredeu	
MFRI	Mfriga	
MFS	McCloud Flat South	
MFS3	Miraflores	
MFSFA	Multi FST (Faido)	
MFSFB	Multi FST (Faido)	
MFSM	McCloud Flat S	MFS
MFT	Murefte	
MFTN	Millsfield	
MFTR	Murfatlar	
MFW	Milton-Freewater	
MF-WS	Medford	
MG00	Magoula, Dorida, Central Greece	
MG01	Puerto Williams	
MG02	Cerro Sombrero	
MG03	Isla Dawson	
MG04	Isla Riesco	
MG05	Puerto Natales	
MGA	Milagra Ridge	
MGA1	Managua	
MGAB	Montegabbione	
MGAN	Managua	
MGAT		MBGA
MGB	Mount Grey	
MGBA	MARTIN GARCIA	
MGBB	Grossbuechelberg	
MGBR	Mount Gambier	
MGBU	Monte Grappa, Col di Buratto	
MGC	Mingacevir	
MGCB	McGee Creek	
MGCD	Mangrove Creek Dam	
MGCS	Blenheim Marlborough Girls College	
MGCU	Grand County Courthouse, Moab, UT	
MGD	Magadan 1	
MGDL	Migdal	
MGDM		
MGDN	Magdalena	
MGDQ	Mulgrave and Derry, QC.	
MGER	Gerania Oros	
MGG	Marie-Galante	
MGH	Saint George's Hill	
MGI	Mount Gilboa	
MGIG	Malinaltepec	
MGIO	Monte Giove	
MGJ	Motegi	
MGL	Magalia	
MGLS	Mageik Landslide	
MGM	Magruder Mountain	
MGMB	Mountain Meager	
MGMO	Mountain Grove	
MGN	Mengen	
MGNA	Meganis	
MGNB	Yesilyurt, Malatya	
MGNC	Mount Gibbes	
MGND	Pazarcik, Kahramanmaras Turkey	
MGNE	Clinic, Gonder/Metema	
MGNR	McGee Canyon	
MGO	Magodro	
MGOD	Makushin Gods Own Repeater Site	
MGOO	Greenacres	
MGOR	Morogoro	
MGP	Maguayo	
MGP1	Megalopolis	
MGPB	Maguayo	
MGPM	Gravel Pit	
MGR	Morigerati	
MGRA	Magara	
MGRB	Mount Grey	
MGRD	Malga Garda, Italy	
MGRO	Montegrosso	
MGRS	Mrkonjic Grad	
MGRZ	Megri	
MGS	Middleton Gardens	
MGTN	Margaret Lake	
MGU	Meadow Creek Golf Course	
MGUL	San Miguel	
MGUN	Puturge, Malatya	
MGV	Manicaragua	
MGVT	Montgomery	
MGZ	Maungaku	
MH-	Mitchell	MH-NB
MH36	Zermatt, Position 36, VS	
MH38	Zermatt, Position 38, VS	
MH44	Zermatt, Position 44, VS	
MHA	Mahukona	
MHAI	Haid-Arzberg	
MHAV	Tut, Adiyaman, Turkey	
MHAW	Hwawon	
MHC	Mount Hamilton	
MHCZ	Mount Hutt	
MHD	Mile High Drive	
MHDL	Marin Headlands	
MHDM	Hidden Dam	
MHDR	Mahidharpur,Odisha	
MHDS	Al Mahd	
MHEZ	Mangahewa	
MHGZ	Mahia Peninsula	
MHI	Mashad	MAIO
MHISU	ISU Mehedinti	
MHIT	MHIT	
MHJ	Mihama	
MHK	Manhattan	
MHL	Milos	
MHLA	Plaka, Milos Island	
MHLO	Agia Marina, Milos Island	
MHMT	Maesarieng	
MH-NB	Mitchell	
MHNG	Mohangiri	
MHPQ	Mount Hope	
MHR	Mount Hamilton Road	
MHS	Mammoth Hot Springs	
MHT	Manhattan	
MHTCO	State Highway 12, Trinidad	
MHTO	MHTO	
MHV	Michnevo	
MHVM	Bosque de Chapultepec	
MHZ	Mount Horn	
MHZQ	Yeshan	
MI01	Pescomaggiore	
MI02	Paganica	
MI03	Onna	
MI04	Fossa	
MI05	S. Eusanio Forconese	
MI06	Camarda	
MI07	Bazzano	
MI08	Sant'Antonio	
MI09	San Giacomo	
MI10	Sant'Elia 1	
MI20	Yalta	
MI28	Mi28,Pidlybu	
MI29	MI29, Kamyanyy Brid	
MI30	MI30,Zelenitsa	
MIA	Miami	
MIAN	Miandaros Cinnet	
MIAR	Mount Ida	
MIB	Mutribah	
MIC	Michilla	
MICH	Michilla	
MICM	Guayabo	
MID	Middleton Island	
MIDA	Miranda	
MIDE	Milford	
MIDR	Miches	
MIDW	Midway	
MIDY	Mardin/Midyat-Merkez	
MIEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MIF	Mishlifen	
MIGAL	Le Pradet	
MIGL	Miglionico	
MIHL	Minatitlan	
MII	Malini	
MIK	Minitrack	
MIKA	Lake Mikany	
MIKI	Bielsko-Biala	
MIKN	Mikawa	
MIKU	Namanyere	
MIL	Milan	
MILA	Mila	
MILB	Miltenberg	
MILC	Ilic	
MILE	Mille	
MILG	Mill City	
MILK	Milimani	
MILL	Mill Creek, Del Norte Coast Redwoods State Park, CA USA	
MILM	Milestii Mici	
MILN	Milano	
MILO	Milagro-Astudillo	
MILOS	Milos	
MILR	Miller Mountain	
MILT	Milan	
MILZ	Milazzo	
MIM	Milo	
MIMR	Divri	
MIN	Mineral	
MIN2	El Beisbol	
MINA	Minadze	
MINB	Miramichi	
MIND	Bahce, Osmaniye Turkey	
MINMX	Rancho Viejo MIN	
MINNA	Minna	
MINR	Mina	
MINS	Minaret Summit	
MINT	Mingtut	
MINZ	Cinco Dias	
MIO	Marion Island	
MIOU	Port Miou	
MIP	Matupit	
MIPI	Mimika Baru, Papua	
MIPR	Malaya Ipel'ka	
MIQ	Maniwaki	
MIR	Mirnyy	
MIR01	Medolla (MO)	
MIR02	Mirandola (MO)	
MIR03	Mirandola (MO)	
MIR04	Gavello, Mirandola (MO)	
MIR05	Villa Poma (MN)	
MIR06	Pieve di Coriano (MN)	
MIR07	Ostiglia (MN)	
MIR08	Quarantoli, Mirandola (MO)	
MIR27	MIRABELLA ECLANO	
MIRA	Miradouro	
MIRA3	Miramar, Colon	
MIRAN	Mirandola MO	
MIRC	Martinez Indian Reservation	
MIRN	Miramar	
MIS	Mishima	
MISD	Mianeh	
MISE	Meis	
MISM	Misima Island	
MISS	Wellington Miramar School	
MIST	Miston	
MISV	Misoa	
MIT	Mito	
MITH	Mitoyo	
MITM	Mitta Mitta	
MITU		
MIV	Mineville/Witherbee	
MIW	Mizusawa	MIZ
MIX	Mix Canyon Road	
MIY	Miyako	
MIY1	Miyun	
MIYA	Miryang-si	
MIYJ	Miyakonagasawa	
MIZ	Mizusawa	
MIZN	Minamiizu	
MJ00	Matshushiro Site	
MJ01	Matsushiro Array Site 1	
MJ02	Matsushiro Array Site 2	
MJ03	Matsushiro Array Site 4	
MJ04	Matsushiro Array Site 4	
MJ05	Matsushiro Array Site 5	
MJ06	Matsushiro Array Site 6	
MJ2	May Junction 2	
MJA0	Matsu Arr-Jizo	
MJA1	Matsu-Toyosaka	
MJA2	Matsu-Nakaone	
MJA3	Matsu-Soehiyama	
MJA4	Matsu-Jizotouge	
MJAR	Matsushiro Array Beam Reference Point	
MJAS	Monjas	
MJB1	Matsu-Takimoto	
MJB2	Matsu-Sugadaira	
MJB3	Matsu-Daira	
MJB4	Matsu-Nakagumi	
MJB5	Matsu-Yatsubo	
MJB6	Matsu-Irikaruiz	
MJB7	Matsu-Wadaira	
MJB8	Matsu-Inaba	
MJB9	Matsu-Tunnel	
MJDB	manjaedo	
MJHT	Jackboy Hill	
MJM	Morne Jacques	
MJMA	Al Majma`ah	
MJMS	Al Majmaah	
MJP	Mount John Pukaki	
MJSI	Majene	
MJW	Madison Junction	
MJZ	Mount John	
MK-	Marked Tree	MK-AR
MK01	Makanchi Array site	
MK02	Makanchi Array site	
MK03	Makanchi Array site	
MK04	Makanchi Array site	
MK05	Makanchi Array site	
MK06	Makanchi Array site	
MK07	Makanchi Array site	
MK08	Makanchi Array site	
MK09	Makanchi Array site	
MK31	Makanchi Array site	
MK32	Makanchi Array site	
MKA	Makaopuhi	
MKAM	Battalgazi, Malatya Turkey	
MKAO	Maswa Reserve	
MKAR	Makanchi Array Beam Reference Point	
MK-AR	Marked Tree	
MKAZ	Moumakai	
MKBS	Makara Bunker	
MKC	Moncks Corner	
MKH	Mauna Kea	
MKHL	Mahalah	
MKI	Maiskii, Chutkotka	
MKIL	Mkili	
MKIT	Kithairon Oros	
MKJ	Miyake jima	
MKJM	Manisrenggo, Jawa Tengah	
MKL	Maskali	
MKMT	Mink Peak	
MKN	Medicine Creek Dam	
MKNA	Makna	
MKO	Miyako	
MKON	Konnersreuth	
MKPT	Marks Point, NSW, Australia	
MKRE	Bukene	
MKRJ	Makawir	
MKRVA	Milk River, Alberta	
MKRZ	Makatiti	
MKS	Makassar	
MKSM	Muara Sahung, Bengkulu	
MKT	Machtesh Katan	
MKUS	Array-Uganda/Tanzania zania - ZP	
MKV	Markovo, Chukotka	
MKVL	Makkovik	
MKVS	Makara Village	
MKW	Mikawa	
MKY	Makeyevka	
MKYD	Doyleston	
MKZ	Mys Kozlova	
ML-	Mogollon	ML-NM
ML02	Panimavida	
ML1	Mono Lake	ML1CL
ML1CL	Mono Lake	
ML2	Mono Lake	ML2CL
ML2CL	Mono Lake	
ML3	Mono Lake	ML3CL
ML3CL	Mono Lake	
ML4	Mono Lake	ML4CL
ML4CL	Mono Lake	
MLA	Malaspina Glacier	
MLA1	Latheron	
MLAC	Mammoth, Mammoth Lakes	
MLAL	Sawyerville	
MLAV	Muong La station	
MLAZ	Malazgirt-MUS	
MLB	Malabar	
MLBA	Muleba	
MLBS	Spotswood, Melbourne	
MLBT	Monticelli Brusati	
MLC	Manzanita Lake	
MLCM	Laurel Creek Canyon	
MLD	Malden	
MLDM	Malden	
MLDN	Muldoon	
MLDT	Moledet	
MLE	Mileto	
MLF	Milford	
MLFH	Mildenfurth	
MLG	Mont-d'or	
MLGA	Mulgeum	
MLGT	Long Ground	
MLH	Mauna Loa	
MLHM	Little Hot Creek	
MLI	Malad Range	
MLIM	Lincoln Peak	
MLIR	Monte Lirio	
MLIR3	Monte Lirio, Chiriqui	
MLJM	Mantup, Jawa Timur	
MLK	Milford Reservoir	
MLK*	Malo-Kuril'sk	
MLK4	Malkovo	
MLKM	Mammoth Lakes	
MLKN	Milliken Reservoir	
MLKS	Milkovo	
MLL	Mill Creek	
MLLO	Morrillo	
MLM	Mesa Lucero	
MLN	Mulungwishi	
MLNI	Malnisio	
ML-NM	Mogollon	
MLNR	Milner Canyon	
MLNT	Millington	
MLOA	Mauna Loa Observatory	
MLON	Marlo Lake	
MLOW	Mlowe	
MLP	Malaspina Glacier	MLA
MLPR	Magueyes Island, Lajas, Puerto Rico	
MLPS	Melito di Porto Salvo	
MLQ1	Kipawa	
MLQ2	Temiscaminque	
MLR	Muntele Rosu	
MLS	Moulis	
MLSB	Milas	
MLSC	Mira Loma	
MLSI	Meulaboh, Aceh	
MLT	Malta	
MLTN	Molteno,Eastern Cape	
MLTT	Malatya	
MLV	Malvaux	
MLVB	It Ong	
MLW	Milwaukee	
MLWM	Molesworth	
MLX	Mauna Loa 2	
MLY	Manley	
MLYF	Mely	
MLYT	Lee's Yard	
MLZ	Mavora Lakes	
MLZA	Monlezun-d-Armagnac	
MM-	McMinnville	MM-TN
MMA	Mummy Mountain	
MMA0	Mount Meron array	
MMA0B	Mount Meron array	
MMA1	Mount Meron array	
MMA2	Mount Meron array	
MMA3	Mount Meron array	
MMA4	Mount Meron array	
MMAA	Thessaloniki	
MMAI	Mount Meron Array Beam Reference Point	
MMAL	MMAL	
MMAR	Mareno di Piave, Italy	
MMB	Musomishta	
MMB1	Mount Meron array	
MMB2	Mount Meron array	
MMB3	Mount Meron array	
MMB4	Mount Meron array	
MMBI	Montebello Ionico	
MMC	Middle Cape	
MMC1	Mount Meron array	
MMC2	Mount Meron array	
MMC3	Mount Meron array	
MMC4	Mount Meron array	
MMC5	Mount Meron array	
MMC6	Mount Meron array	
MMC7	Mount Meron array	
MMCI	Mamasa, Sulawesi Barat	
MMCS	Mount Moriah Church	
MMCS2	Matamata College	
MMCZ	Mount Michael	
MMD	Meamuldo	
MME	Monte Cimone	
MME1	Meikle Cairn	
MMG	Magdalena	
MMGO	Monte Magaggiaro	
MMIB	Miami Mountain, Ahwahnee, CA USA	
MMIG	Aquila	
MMIM	Miami Mountain	
MMK	Mattmark	
MML	Mount Malkishua	
MML1	Montelago di Sefro	
MMLB	Mammoth Lakes Knolls	
MMLI	Mount Malkishua	
MMLZ	Guadeloupe Broadband 3 component	
MMM	Pea Ridge Mine	
MMME	Mongiuffi-Melia	
MMMP	Acelerografo, Municipalidad de Maip, Mendoza	
MMN	Mormanno	
MMN9	Mormanno Campotenese	
MMNB	Middle Mountain	
MMNY	Mt. Morris Dam	
MMO	Medio Mundo	
MMO1	Montemonaco	
MMP	Mount Mary	
MMP1	Mompeo	
MMPH	Masbate	
MMPI	Merauke	
MMPM	Mammoth Pass	
MMPY	Sheldon Lake, Yukon	
MMR	Mount Meron	
MMR7	MONTEMURRO	
MMRI	Maumere	
MMS	Matam	
MMSI	Mamuju	
MMSM	Mammoth Summit	
MMT	Marsa Matruh	
MM-TN	McMinnville	
MMU	Miners Mountain	
MMUR	Monte Murano	
MMWM	Mi Wuk Village	
MMY	Middlesmoor	
MMYU	Melimoyu	
MN-	Mina	MN-NV
MN02	Montereale Piedicolle	
MN03	Montereale Piedicolle 2	
MN04	Montereale isola ecologica	
MN06	Montereale, ex municipio	
MN08	Montereale ex prefettura	
MN09	Montereale campo di calcio	
MN3	Montappone	
MNA	Mina	
MNAI	Manna	
MNAS	Manas	
MNAT	Makushin Nateekin	
MNB	Mounoet Dainard	
MNB1	Minab	
MNBS	Baschi	
MNBU	Menbuxiang, Xizang	

	Zizhiqu	
MNC	Moncalieri	
MNCI	Minicoy	
MNCR	Maneciu	
MNCY	Minicoy	
MND	Mandalay	
MNDI	Mendi	
MNDO	Woodland Fire Station, Mendocino	
MNDR	Mendeleevo	
MNE	Mineo	
MNF	MONTE FIEGNI FIASTRA	
MNFI	Manof	
MNG	Mangahao	
MNGA	Volcan de Colima MNGR	
MNGI	Mangalore	
MNGR	Mingechevir, Azerbaijan	
MNGS	Mangaweka School	
MNGT	Mangit	
MNH	Munich	
MNHA	Menahamia	
MNHB	New Hogan Dam	
MNHK	Manihiki	
MNHM	New Hogan Reservoir	
MNHN	Monahans	
MNI	Manado	
MNIG	Monterrey	
MNIT	MNIT	
MNJ	Mineoka	
MNK	Minsk	
MNKH	Manakhah	
MNKR	ALMNKUR	
MNL	Mangla	
MNLT	Moonlight Peak	
MNM	Minneapolis	
MNMC	Minye Minye	
MNMCX	Minye Minye	
MNN	Minneapolis	
MNNAM	Montana	
MN-NV	Mina	
MNO	Monte Soro	
MNOV	Mantova	
MNP	Morong	
MNQ	Manicouagan	
MNR	Mines Road	
MNRC	McLaughlin Mine	
MNRI	Mount Meron	
MNS	Montasola	
MNSD	Harewood	
MNSI	Mandailing Natal	
MNSR	Manas	
MNT	Montreal	
MNT1	Montagnon	
MNT3	Montella	
MNTP	Montappone	
MNTQ	Montreal, Quebec	
MNTR	Muntenesti	
MNTT	Montottone	
MNTV	Mantova	
MNTX	Cornudas Mountains	
MNTZ	Mangatoa	
MNU	Milford North	
MNV	Mina	
MNVA	Monemvasia	
MNVG	Manavgat-Antalya	
MNVS	Mnogovershinnie	
MNW	Monowai	
MNWA	Manchester	
MNY	Monteynard	
MNYD	Munyeodo	
MNYS	Manysh	
MNZ	Manzanillo	
MNZS	Menzies Bay Banks Peninsula	
MO-	Mountain Home	MO-ID
MO5M		
MO7M		
MO8M		
MOA	Molln	
MOAB	Moab Khotsong	
MOAC	Moa	
MOB	Menlo Park	
MOBB	Monterey Bay OB	
MOBC	Moresby Island	
MOBC2	Moresby, Haida Gwaii	
MOBN	Mombacho	
MOC	Mount Cameroon	
MOC1	Contrada Murge, Colobraro (MT)	
MOC2	Tenuta Marino, San Giorgio Lucano (MT)	
MOC3	Villaneto, San Severino Lucano (PZ)	
MOC4	Contrada Santa Lucia, Senise (PZ)	
MOCA	Moca	
MOCB	Mochara	
MOCH	Los Molles	
MOCL	Monte Cuccoli	
MOCN	Mocoron	
MOCO	Biccari - m.te Cornacchia	
MOD	Modoc Plateau	
MODE	Modena	
MODF	Mondolfo	
MODG	MODUGNO	
MODR	Mondragone	
MODS	Modra-Piesok	
MODW	Modelwitz	
MOE	Montemor	
MOF	Molkenrain	
MOG	Mogadiscio	
MOGR	Mogosoaia	
MOGT	Rives	
MOGU	Montague, CA	
MOH	Mohaka	
MOHO	AfricaArray SE Tanzania Basin Experiment - YH	
MOHS	Muhayil	
MOI	Mount Montar	
MO-ID	Mountain Home	
MOIG	Morelia	
MOIN	Puerto Moin	
MOK	Mokapu	
MOKA	Morano Calabro	
MOKC	Mount Cameroon	
MOKI	Monasteraki	
MOKO	MOKOCHONG	
MOKY	Morganfield	
MOL	Molde	
MOLA	ALG	
MOLE	Moliterno	
MOLES	Molesme	
MOLL	Mollejon	
MOLS	Halavar	
MOLW	Molesworth Station	
MOM	Momote	
MOM1	Volcan Momotombo	
MOM2	El Cardon	
MOM3	MOM3	
MOMA	Monte Martano	
MOMC	Montemarciano	
MOME	Montemurro	
MOMI	Momias	
MOMJ	Momotombo	MOMN
MOMN	Momotombo	
MOMNE	Montemurro	
MOMP	Mompiche - El Palmar	
MOMR	Moma	
MOMT	Monida	
MON	Monaco	
MONA	Monteria	
MONB	Balzapamba Montalvo, CascadaMilagrosa	
MONC	Moncucco Torinese	
MOND	CHI Itaipu Binacional	
MONE	Monesi	
MONG	Mongu	
MONI	Mosbach-Nuestenbach-im-Wald	
MONJ	Montclair	
MONL	Mont	
MONM	Monmouth	
MONO	Monmouth DOGAMI SMO	
MONP	Monument Peak, Mt. Laguna	
MONP2	Monument Peak TA Vault, Mt. Laguna	
MONQ	Montcuq	
MONR	Mono Valley	
MONT	Ecomontana	
MONTE	Monteverde	
MONV	Montecano	
MOO	Moorlands	
MOON	Moon Mountain	
MOOR	Moorhouse Ave Christchurch	
MOOW	Moose Ponds	
MOP	Monarch Peak	
MOPA	Mopani	
MOPM	Molcaxac	
MOQ	Mont Orford	
MOR	Mori	
MOR1	Moi Rana	
MOR2	Moi Rana	
MOR21	MORCONE	
MOR3	Moi Rana	
MOR4	Moi Rana	
MOR5	Moi Rana	
MOR6	Moi Rana	
MOR7	Moi Rana	
MOR8	Moi Rana	
MORA	Malargue	
MORAS	Morassina Schaubergwerk	
MORAV	Moravia	
MORC	Moravsky Beroun	
MORE	Moreh	
MORF	Marmelete	
MORG	Mount Morgan	
MORH	Mrgy, Hungary	
MORI	Morici	
MORMA	Mormanno (CS)	
MORN	Al O del Volcan Concepcion	
MORO	Morrocoy	
MORQ	Mont Orford	
MORR	Playas El Morro	
MORS	Morshin	
MORSI	Morsiglia	
MORU	Morshyn	
MORW	Morawa	
MOS	Moscow	
MOS1	Moschato	
MOSH	Moshi	
MOSI	Grossmontoni	
MOSL	Moslavina	
MOSM	Osimo	
MOSO	Mohican School	
MOSS	Mossburn School	
MOT	McDonald Observatory	
MOT1	McDonald Obs.	
MOT2	McDonald Obs.	MT2
MOT3	McDonald Obs.	
MOT4	McDonald Obs.	
MOTA	Moosalm	
MOTC	Monteria, Cordoba	
MOTN	Model	
MOTP	Motapaya	
MOTS	Motueka DOC workshop	
MOTZ	Rio Naranjo	
MOUT	Mount Ogden	
MOV	Morovis	
MOV1	Cotopaxi Vol south	
MOVZ	Moawhango	
MOW	Moikau	
MOX	Moxa	
MOY	Mondy	
MOYG	Moyuta, Jutiapa	
MOYM	O'Byrne Ferry	
MOYN	Moyogalpa	
MOZ	Mahoenui	
MOZS	Mozjanca	
MP-	Mountain Pine	MP-AR
MPA	Moose Pass	
MPAG	Monte Paganuccio	
MPAL	Palemas	
MPAR	Parnis Oros	
MP-AR	Mountain Pine	
MPAZ	Palizzi	
MPC	METEO PORTO CESAREO	
MPCD	Monte di Procida	
MPDM	Moonee Ponds	
MPEP	Malo Peshtene	
MPG	Monte Pellegrino	
MPGF	Montagnes des Peres	
MPH	Memphis	
MPHEP	Siloam, Limpopo	
MPI	Mount Pinos, Frazier Park	
MPIK	Array-Uganda/Tanzania zania - ZP	
MPK	Martis Peak	
MPL	Maple valley SMO-IDS24	
MPLH	Magyarpolny	
MPM	Monte-Pele	
MPMC	Manual Prospect Mine,Trona	
MPNC	Port Mandanici	
MPOM	Morne Pois Martinique	
MPOR	Mary's Peak	
MPP	Mount Pasian	
MPPO	Murphy's Point	
MPPT	Montemurlo	
MPR	Mayaguez	
MPRD	Prada, Italy	
MPRI	Monte Prat	
MPRN	Moshav Paran	
MPRO	Farra di Soligo, Italy	
MPSI	Mapaga	
MPSM	Mapat Tunggul, Sumatera Barat	
MPSS	Mairehau Primary School	
MPT	Matupit Island	
MPTV	Morphett Vale	
MPU	Maple Canyon	
MPVM	San Francisco Tecoxpa	
MPVT	Montpelier	
MQI	Macquarie Island	
MQLS	MQLS	
MQOL	MQOL	
MQZ	McQueen's Valley	
MR-	Middleburg	MR-PA
MR01	Monticello Reservoir Site 1	
MR02	Monticello Reservoir Site 2	
MR03	Monticello Reservoir Site 3	
MR04	Monticello Reservoir Site 4	
MR05	Monticello Reservoir Site 5	
MR06	Monticello Reservoir Site 6	
MR07	Monticello Reservoir Site 7	
MR08	Monticello Reservoir Site 8	
MR09	Monticello Reservoir Site 9	
MR10	Monticello Reservoir Site 10	
MR6*	Monte Rosa	
MR7B	Estrela do Norte	
MRA	San Martin	
MRAK	Mrakovica	
MRAT	Mt Rat	
MRB	Monserrat	
MRB1	Monte Rocchetta	
MRBQ	Mirabel	
MRC	Montrose	
MRCB	Reggio Calabria	
MRCM	Red Rock Canyon	
MRCO	Marico , Northwest	
MRCP	Maricao	
MRD	Mojave River Dam	
MRDM	Red Cones	
MRE	Mariestad	
MREF	Refrontolo, Italy	
MREMI	Moremi	
MREP	Makushin Rep'tr	
MRF	Miraflores	
MRFM	Railroad Flat South	
MRFT	Murafatepe	
MRG	Morgantown	
MRG03	Mariana Trench, MRG03	
MRG04	Mariana Trench, MRG04	
MRG16	Mariana Trench, MRG16	
MRG22	Mariana Trench, MRG22	
MRG40	Mariana Trench, MRG40	
MRG42	Mariana Trench, MRG42	
MRG46	Mariana Trench, MRG46	
MRG58	Mariana Trench, MRG58	
MRGE	Morge	
MRH	Marewa	
MRHM	Rocky Hill	
MRHQ	Morin Heights	
MRHV	Merhavia	
MRHZ	Matea Rd	
MRI	Mauritius Island	
MRIN	Marion BPA Site DOGAMI SMO	
MRIV	Mauritius Meteorological Services (Vacoas)	
MRJ	Moriya	
MRK	Morioka	
MRKA	Markates	
MRKH	Merkhyat	
MRKJ	Morioka 2	
MRKS	Merke	
MRL	Marmol	
MRLC	Muro Lucano	
MRMA	Marmari	
MRMJ	Muroto Misaki	
MRMR	Majramadag	
MRMT	Marmara Adasi	
MRN	Sint Maarten	
MRN3	Marsico Nuovo (PZ)	
MRNI	Mount Meron	
MRNO	Merano	
MRNQ	Morin Heights	
MRNR	Maryino	
MRNZ	Matariki Terrace Road	
MRO	Meridian	
MROB	Rosenbuehl-Arzberg	
MRON	Mrontuo Lake Bosomtwe	
MRP	Merapi	
MR-PA	Middleburg	
MRPI	Mariponipon	
MRR	Muroran	
MRRI	Marradi	
MRRJ	Muroran 2	
MRS	Maars	
MRSB	Marmaris-Mugla	
MRSC	Moresco	
MRSG	Ripe San Ginesio	
MRSI	Marisa	
MRSJ	Marsad	
MRSM	Woodland Mills	
MRSS	Morshin	MORS
MRT	Murotomisaki	
MRT2	Murotomisaki 2	
MRTH	Marathonas	
MRTI	Martiadasi	
MRU	Marituj	
MRV	MARSICO VETERE	
MRVA	Moravia de Chirripo, San Jose	
MRVC	Morongo Valley	
MRVI	Mt Valcellina	RCL
MRVN	Minervino Murge	
MRVT	Maraveh tapeh	
MRW	Makara Radio	
MRWA	Morawa	
MRWI	Hamdab	
MRX	Morelia	
MRY	Mary	
MRYN	Mary River	
MRYT		
MRZ	Mangatainoka River	
MRZ1	Merzbaher-Enilchek	
MS-	Montrose	MS-PA
MS1	Monte Sant'Angelo (FG)	
MSA	Mount San Antonio	
MSAB	Monastry St. Andrei	
MSAG	Monte S. Angelo	
MSAI	Masohi	
MSAL	Mont Sano	
MSAM	Misgav Am	
MSAR	Manila South	
MSAY	Sarıyakup, Elazı	
MSB	Manso	
MSB1	Montesarchio	
MSBB	Schoenbrunner Berg-Wunsiedel	
MSBI	Mazada	
MSC	Monte Massico	
MSCL	Scilla	
MSCM	Masamba, Sulawesi Selatan	
MSCO	Mesa State College	
MSCZ	Moutere Station	
MSDA	Masada	
MSE	Moose Creek	
MSEY	Mahe Island	
MSF	Maaselka	
MSFE	Esma-Masafi	
MSFR	San Fratello	
MSG	Moessingen	
MSGF	Morne Soldat	
MSGN	Moessingen, Sulzgasse	
MSGR	Macavene	
MSH	Mashhad	
MSH11	Mount St. Helen	
MSH21	Mount St. Helen	
MSH31	Mount St. Helen	
MSHA	Masjed Soleyman	
MSHD	Mashhad	
MSHI	Mashabei Sadeh, MSH	
MSHP	Masachapa	
MSHR	Mys Shultsa	
MSI	Messina ING	
MSIDA	L-Universita ta' Malta, Msida	
MSIR	Sirolo	
MSJ	Mission San Jose	
MSK	Misaki	
MSKJ	Misakubo	
MSKL	Muskil	
MSKU	Masuku	
MSL	Mosul	
MSL1	Messolongi	
MSLM	Sherwin Lakes	
MSLP	Maasin	
MSM	Mount Sar Shalom	
MSMC	Mount Somers School	
MSMT	Mission Creek	
MSN	Misono	
MSNA	Messina	
MSNA0	Miryangsannae	
MSNH	Mle Saint-Nicolas	
MSNJ	Montclair St. U.	
MSNO	Moosonee Ontario	
MSNY	Massena	
MSO	Missoula	
MSOM	Makushin Julie Andrews	
MSON	Mazon	
MSP	Mount Santo Tomas	
MS-PA	Montrose	
MSPR	Moshav SAPIR	
MSPT	Saint Patrick	
MSR	Malnas	
MSRU	Castanea	
MSS	Messtetten	
MSSA	Maissana	
MSSB	Serra Sant'Abbondio	
MSSG	San Giuliano del Sannio	
MSSI	Masamba	
MST	Mostar	
MSTB	Masset	
MSTD	Santandra', Italy	
MSTE	Monte Stella (Cilento), (SA)	
MSTM	Stent	
MSTR	Mastorah	
MSTX	Muleshoe	
MSU	Marysvale	
MSUEL	Midwestern State University	
MSUT	Lienchiang	
MSV	Monasavu	
MSVA	Metsovo	
MSVF	Nonsavu	
MSW	Makushin Switchbacks	
MSW1	Pusztavm	
MSW2	Fehrvrcsurg	
MSW3	Mr	
MSWZ	Moikau Station	
MSZ	Milford Sound	
MT01	Popeta	
MT02	Curacav	
MT03	Universidad Adolfo Ibaez	
MT04	Ro Olivares	
MT05	Renca	
MT07	Cerro El Roble	
MT08	Bocatoma Ro Colorado	
MT09	Talagante	
MT1	Boracho Peak	
MT10	Hacienda Santa Martina	
MT12	Pirque	
MT13	San Alfonso	
MT14	Cerro Caln	

Code	Station Name	Other
MT15	Las Vizcachas	
MT16	CCHEN	
MT2	Eagle Mountain	
MT3	Miller Ranch	
MT4	Brite Ranch	
MTA	Mtatsminda	
MTAG	Matani	
MTAN		
MTAZ	Motutapu	
MTB	Montebello Ridge	
MTBI	Elifaz, MTB	
MTBL	Makushin Table Top	
MTBS	Maitube	
MTC	Morgan Territory	
MTCE	Montecelio	
MTCL	Monte Cavallo	
MTCM	Malili, Sulawesi Selatan	
MTCR	Monte La Croce	
MTD	Mount Darwin	
MTDJ	Mount Denham	
MTE	Manteigas	
MTEO	Meteo	
MTEVE	Monteverde	
MTFT	Montefortino	
MTG	Montague Island	
MTGE	Mitogawa	
MTGR	Montagna Grande	
MTH	Montachique	
MTHA	Methoni	
MTHF	Mouthoumet	
MTHS	Methven North	
MTHT	Yorkville	
MTHZ	Maungataniwha	
MTI	Mount Irish	
MTI01	Mont Terri (ME Nische)	
MTI02	Mont Terri, (HE Schacht)	
MTI03	Mont Terri (freefield, SED-Schacht NW400, Brunefarine) JU	
MTIA1	Mont Terri MTIA1, JU	
MTIA2	Mont Terri MTIA2, JU	
MTIA3	Mont Terri MTIA3, JU	
MTIA4	Mont Terri MTIA4, JU	
MTIG	Mestia	
MTJ	Mount Tsukuba	TSK
MTJR	Montjuic	
MTK	Mitaka	
MTKI	Muara Teweh, Kalimantan	
MTKN	Mount Kenneth	
MTKZ	Martakert	
MTL	Mount Taylor	
MTL1	Matelica	
MTLA	Metula	
MTLAZ	Mount Logan	
MTLB	Matlabas, Limpopo	
MTLF	Montolieu	
MTLM	Mount Tassie Tower	
MTLO	Montello	
MTM	Matsumoto	
MTMJ	Matsumoto	
MTMR	Montemarano	
MTMW	Mount Mitchell	
MTN	Manton Dam	
MTNF	Montenay - 53155 - Mayenne - Pays de la Loire	
MTNG	Tinghir	
MTNI	Mataram	
MTNS	Mutnovskaya	
MTNZ	Martuni	
MTO	Montecristo	
MTO2	Montecristo 2	
MTO3	Montecristo	
MTOM	Cavaso del Tomba, Italy	
MTOP	Dogansehir, Malatya	
MTOR	TORKOZ	
MTORT		
MTOS	Mt Oso, Westley, California	
MTP	Monte Pirata	
MTP1	Motopi	
MTPB	Monte Pirata	
MTPC	Mountain Pass	
MTPM	Central Michigan University	
MTPR	Monte di Procida	
MTPS	Mount Pleasant	
MTPU	Mount Pierson	
MTQ	Monturaqui	
MTR	Monterey	
MTR02	Mariana Trench, OBS02	
MTR06	Mariana Trench, OBS06	
MTR07	Mariana Trench, OBS07	
MTR08	Mariana Trench, OBS08	
MTR09	Mariana Trench, OBS09	
MTR10	Mariana Trench, OBS10	
MTR11	Mariana Trench, OBS11	
MTR12	Mariana Trench, OBS12	
MTR14	Mariana Trench, OBS14	
MTR15	Mariana Trench, OBS15	
MTR17	Mariana Trench, OBS17	
MTR18	Mariana Trench, OBS18	
MTR19	Mariana Trench, OBS19	
MTR2	Bucuresti	
MTR20	Mariana Trench, OBS20	
MTR21	Mariana Trench, OBS21	
MTR23	Mariana Trench, OBS23	
MTR25	Mariana Trench, OBS25	
MTR26	Mariana Trench, OBS26	
MTR27	Mariana Trench, OBS27	
MTR28	Mariana Trench, OBS28	
MTR29	Mariana Trench, OBS29	
MTR31	Mariana Trench, OBS31	
MTR32	Mariana Trench, OBS32	
MTR33	Mariana Trench, OBS33	
MTR34	Mariana Trench, OBS34	
MTR36	Mariana Trench, OBS36	
MTR37	Mariana Trench, OBS37	
MTR38	Mariana Trench, OBS38	
MTR43	Mariana Trench, OBS43	
MTR44	Mariana Trench, OBS44	
MTR45	Mariana Trench, OBS45	
MTR47	Mariana Trench, OBS47	
MTR48	Mariana Trench, OBS48	
MTR49	Mariana Trench, OBS49	
MTR50	Mariana Trench, OBS50	
MTR51	Mariana Trench, OBS51	
MTR52	Mariana Trench, OBS52	
MTR53	Mariana Trench, OBS53	
MTR55	Mariana Trench, OBS55	
MTR57	Mariana Trench, OBS57	
MTRA	Matera	
MTRD	Mount Read	
MTRP	Mission Trails Regional Park	
MTRZ	Monterenzio	
MTS	Matsue	
MTSA	Monte Escuro	
MTSE	Matsula	
MTSH	Mount Sheppard	
MTSI	Manduamas, Sumatera Utara	
MTSM	Muara Dua, Sumatera Selatan	
MTSN	Montesano sulla Marcellana	
MTST	Matsu	
MTSU	Mount Surprise	
MTT	Monetta	
MTTG	Motta San Giovanni	
MTU	Montague Island	
MTUM	Tungsten Hills	
MTUR	Matau	
MTUT	Morton Thiokol	
MTV	Mount Tassie	
MTVA	Mantova	
MTVE	AfricaArray - AF	
MTVR	Mutnovka	
MTVZ	Mangateitei	
MTW	Mount Morrison	
MTWA	AfricaArray SE Tanzania Basin Experiment - YH	
MTX	Marathon	
MTY	Matsuyama	
MTYK	Sahinbeyi Gaziantep	
MTZ	Montezuma	
MTZV	Met	
MU-	Mt Baker	MU-WA
MUB	Muncho Lake	
MUCO	Mount Union College	
MUCR	Ucria	
MUD	Monsted U'grnd	
MUDI	Mud Lake	
MUDIN	Mudindi	
MUDJ	Muduarah	
MUEN	Kloster Mnchenlohra	
MUEZ	Muetzenich	
MUFZ	Array-Uganda/Tanzania zania - ZP	
MUGA	Mongiana	
MUGIO	Muggio	
MUGL	Yilanlidag	
MUGO	DHOFAR2 - YR	
MUGZ	Murupara	
MUH	Helsinki, Munkkiniemi	
MUHB	Muldenstein	
MUI	Mashhad University	
MUIF	Mont Vial	MVIF
MUJ	Mitsuishi	
MUK	Mukerian	
MUKA	Police Camp, Mukachet	
MUKH	Al Mukha	
MUKL	Al Mukalla	
MUKOZ	Meadow Station	
MUKU	Mukachevo	
MUL	Mullan	
MULA	Mugla, Merkez-Ikizce	
MULD	Muldenberg	
MULG	Mulgathing	
MULT	Pachiana Chania	
MUM	Manipur University	
MUMO	Musselwhite Mine	
MUMZ		
MUN	Mundaring	
MUNC	Munchique	
MUNI	Munigi	
MUO	Muotathal	
MUP	Murgab	
MUR	Murgab	
MURA	Muratlı, Tekirda	
MURB	Monte Urbino	
MURBA	Al Muraba'a	
MURC	Murrieta	
MURGB	Murgab	
MURR	Camp Murray	
MURT	Porto Murtinho	
MUS	Muskinabad	
MUSE	Capo Colonna	
MUSH	Mushullacta	
MUSK	Mushaki	
MUSM	Mu-Merkez	
MUSN	Musina, Limpopo	
MUSZ	Musanze	
MUT	Mudurnu	
MUTC	Mutkov	
MUTEZ	Muttenz, alter Steinbruch Paradies / Bunker	
MUTR	MUTRE	
MUVB	Co Noi	
MUVC	Mutkov	
MU-WA	Mount Baker	
MUX	Union Juarez	
MUZ	Mutare	
MUZF	Muzaffarabad	
MV-	Marysville	MV-CL
MV01	Ashagi Guzdek, Azerbaijan	
MV02	Puta, Azerbaijan	
MV03	Gobu, Azerbaijan	
MV04	Lokbatan, Azerbaijan	
MV05	Atyali, Azerbaijan	
MV06	Guzdek, Azerbaijan	
MV07	Shongar, Azerbaijan	
MV08	Gubalibalaoglan, Azerbaijan	
MV09	Korgoz, Azerbaijan	
MV10	Cheyildagh, Azerbaijan	
MV11	Azimkend, Azerbaijan	
MV12	Jangi, Azerbaijan	
MVB	MARSCIANO MONTE VIBIANO	
MV-CL	Marysville	
MVCO	Mesa Verde	
MVDC	Cerro de Montevideo	
MVF	Macchia Valfortore	
MVG	Mesters Vig	
MVH	Mountain View	
MVH1	Achvaich	
MVI	Minamidaito jima	
MVIF	Mont Vial	
MVKY	Maysville	
MVL	Millersville	
MVLT	Maryville	
MVM	Montagne Vauclin	
MVMN	Montorio al Vomano	
MVMO	Maryville College	
MVMT	Montana Mountain View Ranch	
MVNO	Noumea	
MVO	Moncorvo	
MVOU	Mavrovouni	
MVOV	Montserrat Volcano Observatory	
MVT	Monte Vettore	
MVU	Marysvale	
MVW	Mud Volcano	
MW-	Mattawa	MW-ON
MW36	Oldoinyo Lengai SS	
MW41	Ole Sokoine	
MW44	Karatu Welwel PS	
MWA	Mag Wash	
MWAB	Mount Washington	
MWC	Mount Wilson	
MWEN	Array-Uganda/Tanzania zania - ZP	
MWFS	Matata Watchorn Farm	
MWG	Munster	
MWG1	Mawana Gate	
MWH	Mokuaweoweo	
MWI	Montserrat	
MWLHS	Almuwaylih	
MWLO	Mercer Wildlife Area Ohio	
MW-ON	Mattawa	
MWOZ	Mangawhero Road	
MWPI	Manokwari, Papua	
MWS	Mawashi	
MWSR	Sibiti River	
MWZ	Matawai	
MX-	Manchester	MX-TN
MXC	Moxie City	
MXMB	Maximikha	
MX-TN	Manchester	
MXZ	Matakaoa Point	
MY-	McCrory	MY-AR
MYA	Malataya	
MY-AR	McCrory	
MYAS	Myakit	
MYB	Mayabunder	
MYD	Miyazu	
MYDU	Mysliborice	
MYES	Celikhan, Adiyaman Turkey	
MYG	Matka	
MYI	Mount Yahel	
MYIG	Merida	
MYK	Miyako zima	
MYKA	Terra Mystica	
MYKOM	Kota Tinggi	
MYKS	Mirrayikh	
MYLAV	Mylavaram	
MYLDM	Lahad Datu	
MYLM	Yosemite Lake	
MYLR	Mylor	
MYNC	Murphy	
MYO	Myokensan	
MYP	Myponga	
MYR	Moyori	
MYRA	Myra Falls	
MYRZ	Mayor Island	
MYT	Moyuta	
MYT1	Mytilini	
MYV	Myrviken	
MYZ	Miyazaki	
MYZ2	Miyazaki 2	
MZ-	Mount Ida	MZ-AR
MZ01	Saletta	
MZ02	Casale	
MZ03	Collalto	
MZ04	Cossito	
MZ05	San Tomasso	
MZ06	San Lorenzo Flaviano	
MZ07	Sant'Angelo	
MZ08	Amatrice RAN	
MZ09	Sommati	
MZ095	Colle Spada	
MZ096	Colle Posta	
MZ097	Cassino	
MZ098	Grisciano 1	
MZ099	Terracino	
MZ10	Amatrice San Cipriano	
MZ100	Fonte del Campo	
MZ101	Illica	
MZ102	Accumoli (Madonna delle Coste)	
MZ103	Accumoli (campo sportivo)	
MZ104	Tino	
MZ105	San Giovanni	
MZ106	Grisciano 2	
MZ11	north of Sant'Angelo	
MZ12	Amatrice (garden)	
MZ13	Cornillo Vecchio	
MZ14	Capricchia	
MZ15	Torrita	
MZ16	Torrita	
MZ17	Scai (Agriturismo Narcisi)	
MZ18	Scai alta	
MZ19	Pasciano cemetery	
MZ20	Collemoresco	
MZ21	Poggio Vitellino	
MZ22	Petrana	
MZ23	Faizzone	
MZ24	Rocchetta	
MZ25	Retrosi-1	
MZ26	Retrosi-2	
MZ27	San Lorenzo a Pinaco	
MZ28	Amatrice (agriturismo)	
MZ29	Amatrice (caseificio storico)	
MZ30	Amatrice (Alberghiero)	
MZ31	Amatrice (fosso)	
MZ50	Pozzo Varoni	
MZ51	Cornillo Vecchio	
MZ52	Cossito	
MZ60	Cascello	
MZ61	Collepagliuca	
MZ62	Voceto	
MZ63	Collecreta	
MZ64	Capricchia	
MZA	Mariazell	
MZ-AR	Mount Ida	
MZBI	Masada	
MZDA	Masada	
MZE	Maze	
MZEK	Zeckenberg-Ebnath	
MZF	Mazirat	
MZH	Maizuru	
MZH2	Maizuru 2	
MZI	Mizumiiro	
MZJN	Mazayejan_Fars	
MZLS	Mizel	
MZM	Mzuzu	
MZM2	Mzuzu	
MZM3	AfricaArray - AF, MZM	
MZN1	Mazayjan	
MZO	Mazie Landing	
MZP	Montezuma Peak	
MZPU	Pul - Mazandaran	
MZR	Muzera	
MZRK	Al-Mazaregh	
MZS	Mizpe Shalem	
MZT	Mikazuki	
MZTA	Manzanita Lookout, Modoc National Forest, Adin CA USA	
MZUN	Kiwira	
MZVM		
MZWR	Madinat Zayed	
MZX	Mazatlan	
MZZ	Mansa	
N001	Pisciano	
N001M	Ag. Marina, N001	
N002	Montecucco	
N002M	Geroplatanos, N002	
N003M	Paleokklisi, N003	
N004	Ronchi	
N004M	Polydroso, N004	
N005M	Polydoro, N005	
N006M	Kalochori, N006	
N007M	Klimatia, N007	
N008M	Ano Lampsista, N008	
N009M	Dipotamo, N009	
N01	N01	
N010M	Makrino, N010	
N011M	Vovousa, N011	
N012M	Mikrolivado, N012	
N013M	Sitaras, N013	
N014M	Sidenro, N014	
N015M	Kaloneri, N015	
N016M	Chromio, N016	
N017M	Dimitra, N017	
N018M	Livadero, N018	
N019M	Skoteina, N019	
N02	N02	
N020M	Kapnoxori, N020	
N021M	Sideras, N021	
N022M	Seli, N022	
N023M	Aliakmonas, N023	
N024M	Kontariotissa N024	
N025M	Kontariotissa N025	
N026M	Kontariotissa N026	
N027M	Ano Kerassia, N027	
N028M	Ano Kerassia, N028	
N029M	Achladochori, N029	
N02C	Big Bar	
N02D	Trinity Center, CA	
N03	N03	
N030M	Samari, N030	
N031M	Polipetro, N031	
N033M	Pentalofos, N033	
N034M	Kedrikon, N034	
N036M	Partheni, N036	
N038M	Triada, N038	
N039M	Serres, N039	
N04	N04	
N040M	Therma, N040	
N05	N05	
N06	N06	
N06A	Buffalo Meadows, Empire	
N07	N07	
N07A	Gerlach	
N07B	Gerlach	
N08	N08	
N08A	GE Springer Mine, Mill City	
N09A	Rock Creek Ranch, Golconda	
N09L	N09L	
N10	NORSAR Subarray 10C Beam Reference Point	
N10A	Dunphy	
N10L	N10	
N11	NORSAR Subarray 11C Beam Reference Point	
N111M	Milia, N111	
N11A	Elko Archery Club, Elko	
N11L	N11L	
N12	NORSAR Subarray 12C Beam Reference Point	
N12A	Clover Valley, Wells	
N12L	N12	
N13	NORSAR Subarray 13C Beam Reference Point	
N136M	Milia, N136	
N13A	Wendover, West Wendover	
N13L	N13	
N14	NORSAR Subarray 14C Beam Reference Point	
N14A	Grayback Hills BLM, Clive	
N14K	Kuskokwak Creek	
N14L	N14	
N15	N15	
N15A	Stansbury Island BLM, Grantsville	
N15K	Kwethluk River	
N16	N16	
N16A	Rees Ranch, Coalville	
N16K	Nishlik Lake	
N17A	Moffit Pass	
N17K	Nushagak Hills	
N18	N18	
N18A	Larsen Ranch, Manila	
N18K	Kilae Creek	
N19	N19	
N19A	John Jarvie Ranch (BLM), Flaming Gorge	
N19K	Bonanza Creek NPS repeater	

Code	Station Name	Other
N1R1	Vettahaugen	
N1R2	Lillevik	
N1R3	Nordsjona	
N1R4	Lillevand	
N1R5	Hammernes	
N1R6	Dalselv	
N20	N20	
N20A	Spence Gulch, Sunbeam	
N20K	Mount Spurr	
N211M	Milia, N211	
N21A	Black Mountain, Craig	
N22A	Wattenberg Ranch, Walden	
N23	N23	
N23A	Red Feather Lakes	
N24A	Carr	
N25A	Grover	
N25K	Chitina, Valdez-Cordova	
N26A	Koester Ranch, Padroni	
N27A	Anderson Farm, Haxtun	
N28A	Pribbeno Ranch, Imperial	
N29A	Votaw Ranch, Wellfleet	
N2B1	Tytingvag	
N2B2	Myklebust	
N2B3	Lovikneset	
N2B4	Drage	
N2B5	Haus	
N2B6	Leirgulen	
N2B7	Tytingvag	
N2DI	Digermulen	
N2HA	Harstad	
N2HS	Hamsund	
N2IH	Innhavet	
N2LO	Lødingen	
N2NF	Nordfold	
N2-NV	Test Site	
N2RO	Røst	
N2SO	Sortland	
N2ST	Straumen	
N2SV	Sørvgen	
N2TV	Trnvika	
N2VA	Værøy	
N2VI	Vinje	
N30A	Hueftle Ranch, Cozad	
N30M	Aishikik Lake	
N31A	Bailey Ranch, Gibbon	
N31M	Braeburn, Yukon	
N32A	Stulken Farm, Doniphan	
N32M	Quiet Lake	
N33A	J Bar K, Exeter	
N33B	J Bar K, Exeter	
N34A	Lincoln	
N35A	Tabor	
N36A	Muff Farm, Clarinda	
N37A	Lee Faris, Mount Ayr	
N38A	Joes South Fork Station, Corydon	
N39A	Derby Farms, Drakesville	
N40A	Mertquake, Salem	
N41A	Harden Midland Farm, Stronghurst	
N42A	Yates City	
N43A	Stutzman Family Farm, Minonk	
N44A	Piper City	
N45A	Kentland	
N46A	Monticello	
N47A	Urbana	
N48A	Decatur	
N49A	Columbus Grove	
N50A	Nevada	
N51A	Ashland	
N52A	McGinn's Farm, Dalton	
N53A	Lisbon	
N54A	Moraine State Park, Portersville	
N55A	Marion Center	
N56A	West Decatur	
N57A	Milroy	
N58A	Sunbury	
N59A	State Game Land 141, Hazleton	
N60A	Cedar Hill Farm, Mount Bethel	
N61A	South Mountain, Millburn	
N62A	Caumsett State Park, Huntington	
N63A	Mattituck	
NA0	NORSAR 1A	NAO
NA11	North Anna	
NA12	North Anna	
NA2	North Anna	
NA5	North Anna	
NAA	Naalehu	
NAAM	Naama	
NAAS	Napier Airport	
NAB	Nanaimo	
NAB1	NAB1	
NAB2	NAB2	
NAB3	NAB3	
NAB4	NAB4	
NAB5	NAB5	
NAB8	NAB8	
NABD	Nabeyama	
NABI	Nabire	
NAC	Naches	
NACA	Naecho	
NACB	Ninganchiao	
NACGM	Naroch	
NAD	NAPOLI EST	
NADB	Abo Dabab	
NADM	Allendale	
NADN	Granada	
NADR	Nagua	
NADU	Naloucany	
NADZ	Nadzab	
NAE	Nake (Tuamotu)	
NAF	Naboro	
NAFE	NAFE	
NAFS	Nafpaktos	
NAG	Nagoya	
NAG1	Nagua	
NAGA	Nagai Island	
NAGL	Nagold	
NAGO	Nago	
NAGR	Nagutskaya	
NAH	Naha	
NAH1	Naha	
NAHA	Nahanni Butte	
NAHD	NAHD	
NAHO	Nahshon	
NAI	Nairobi	
NAIG	Nisos Aigina	
NAIL	Nailongxiang, Xizang Zizhiqu	
NAIN	Natchez Trace	
NAIT	NWS Agricenter	
NAIU	Northern Antelope Island	
NAJS	Najran	
NAK	Naxcivan	
NAKD	Nakauka	
NAKO	Nairobi	NAI
NAL	Nallihan	
NALA	Naliya	
NALI	Nalia	
NALPS	Val Nalps	
NALS	Nice, Jardin Alsace-Lorraine	
NALY	Nalychevo	
NAM	Namangan	
NAMA	Namatanai	
NAMB	Naemyeon	
NAMC	Namche Bazar	
NAMS	An Nimas	
NAN	Nanjing	
NAN01	Guarapari, ES	
NANB	Nanao	
NANC3	Nancito, Chiriqui	
NANL	Nain	
NANN	Nandasmo	
NANO	Nakina Ontario	
NANS	Nanahuazin	
NANT	Nan	
NANU	Nanutarra	
NAO	NORSAR Subarray 1A Beam Reference Point	
NAO00	NORSAR Array Site 01A00	NAO
NAO01	NORSAR Array Site 01A01	
NAO02	NORSAR Array Site 01A02	
NAO03	NORSAR Array Site 01A03	
NAO04	NORSAR Array Site 01A04	
NAO05	NORSAR Array Site 01A05	
NAP	Napay	
NAPC	Atlas Peak	
NAPF	Napfberg	
NAPI	Complesso Universitario Monte Sant'Angelo	
NAPP	Napperby	
NAQJ	Ras En-Naqb	
NAQL	Naqoura	
NAR	Nara	
NAR2		
NARA	Nara (Leontica)	
NARAN	Naranjo de Alajuela	
NARAR	Arar	
NARI	Adıyaman-Kahta-Narince	
NARJ	Nu aruja	
NARJA	Naranjal	
NARL	NARELA	
NARM	Nariel	
NARN	Narni	
NARO	Abbazia di Naro	
NARR	Naruja	
NART	Narlikuyu	
NARZ	Nor Artik	
NAS	Nasaqa	
NAS1	Nasa	
NAS2	Nasa	
NASA	Naoussa	
NASE	Paila	
NASN	Na'in	
NAST	IGS Nastaetten	
NASU	Vaermlandsnaes	
NAT	Natal	
NAT1	Nathian	
NATA	Nata	
NATB	Natividade	
NATG	Natashquan Quebec	
NATI	Neve Ativ	
NATM	Nattai	
NATN	Natchez Trace	
NATX	Nacogdoches	
NAU	Nanutarra	
NAV	Narrows	
NAVD	Navidad	
NAWB	Namwon	
NAX	Nakhchivan	
NAX1	Naxos Island	
NAY	Al-Naaiem	
NAYO	Nakonayok	
NAYS	Naiba	
NAZ	Nazwa, Dubai	
NAZA	Ethiopian Broadband Seismic Experiment	
NAZL	Nazilli-Aydin	
NB-	North Branch	NB-MN
NB03	OBS NB03	
NB04	OBS NB04	
NB05	OBS NB05	
NB06	OBS NB06	
NB07	OBS NB07	
NB08	OBS NB08	
NB09	OBS NB09	
NB10	OBS NB10	
NB11	OBS NB11	
NB12	OBS NB12	
NB13	OBS NB13	
NB14	OBS NB14	
NB2	NORSAR Subarray 2B Beam Reference Point	
NB200	NORSAR Array Site 02B00	NB2
NB201	NORSAR Array Site 02B01	
NB202	NORSAR Array Site 02B02	
NB203	NORSAR Array Site 02B03	
NB204	NORSAR Array Site 02B04	
NB205	NORSAR Array Site 02B05	
NB2S	Katnajur	
NB3	NORSAR Subarray 3B Beam Reference Point	
NB4	NORSAR Subarray 4B Beam Reference Point	
NB5	NORSAR Subarray 5B Beam Reference Point	
NB6	NORSAR Subarray 6B Beam Reference Point	
NB7	NORSAR Subarray 7B Beam Reference Point	
NBAN	Anadia - AL	
NBB03	Karbol	
NBB05	Inndyr	
NBB08	Skaug oppvekstsenter	
NBB13	Alf Garage	
NBB14	Nordeng Farm	
NBB15	Halsa Church	
NBB17	Glomfjord Brehus	
NBB28	Valnes	
NBB29	Rokland skole	
NBB30	Finnes	
NBB40	Tonnes	
NBBC	Barra do Corda	
NBBI	Negara	
NBBL	Bica de Lurdes, Rio Formoso	
NBC1	NorthernBC 1	
NBC2	NorthernBC 2	
NBC3	NorthernBC 3	
NBC4	NorthernBC 4	
NBC5	NorthernBC 5	
NBC6	NorthernBC 6	
NBC7	Fort St John	
NBC8	Simpson Ranch	
NBCA	Caruaru-PE	
NBCL	Cascavel-CE	
NBCM	Corta Mao	
NBCP	Cabaceiras do Paraguassu - BA	
NBCP0	Cabaceiras do Paraguassu - BA	
NBD	Nebitdag	
NBEZ	Newall Road North Island, New Zealand	
NBG	Las Nubes	
NBH	North Bay	
NBI	Nairobi	
NBIT	Itapeh - BA	
NBJA	Jaborandi	
NBJCA	Joao Camara Brazil	
NBJG	Jaguarari	
NBK	Nectar Brook	
NBLA	Lagarto - SE	
NBLC	New Brighton Library	
NBLGR	Ladeira Grande, Joao Camara	
NBLI	Livramento-PB	
NBLP	Lapao	
NBLV	Livramento - PB, Brazil	
NBMA	Muriti-CE	
NBMI	Namrole, Maluku	
NB-MN	North Branch	
NBMO	Morrinhos-CE	
NBNS	Bani Suef	
NBO	NORSAR Subarray 1B Beam Reference Point	
NBO00	NORSAR Array Site 01B00	NBO
NBO01	NORSAR Array Site 01B01	
NBO02	NORSAR Array Site 01B02	
NBO03	NORSAR Array Site 01B03	
NBO04	NORSAR Array Site 01B04	
NBO05	NORSAR Array Site 01B05	
NBOR	Nice, Mont Boron	
NBP	Mount Natib	
NBPA	Parau_RN	
NBPB	Pedra_Branca-CE	
NBPE	Petrolina-PE	
NBPF	Pau dos Ferros - RN	
NBPM	Berryessa Peak	
NBPN	Ponto Novo - BA	
NBPS	Pedro II - PI	
NBPV	Pedro Velho	
NBRB	Beebe Ranch Broadband	
NBRF	Rio Formoso - PE	
NBRFO	Rio Formoso - PE	
NBRM	Beebe Ranch	BBR
NBRS	Nobres	
NBS	Nizhniy Bestyah	
NBSB	Sobral-CE	
NBSS	St Bernadette"s School	
NBTA	Tacaratu-PE	
NBTO	Touros	
NBW	Neah Bay	
NC01	NC01	
NC02	NC02	
NC03	NC03	
NC05	NC05	
NC06	NC06	
NC08	NC08	
NC09	NC09	
NC10	NC10	
NC11	NC11	
NC12	NC12	
NC13	NC13	
NC15	NC15	
NC16	NC16	
NC18	NC18	
NC19	NC19	
NC2	NORSAR Subarray 2C Beam Reference Point	
NC20	NC20	
NC200	NORSAR Array Site 02C00	NC2
NC201	NORSAR Array Site 02C01	
NC202	NORSAR Array Site 02C02	
NC203	NORSAR Array Site 02C03	
NC204	NORSAR Array Site 02C04	
NC205	NORSAR Array Site 02C05	
NC27	ODP1027	
NC3	NORSAR Subarray 3C Beam Reference Point	
NC300	NORSAR Array Site 03C00	NC3
NC301	NORSAR Array Site 03C01	
NC302	NORSAR Array Site 03C02	
NC303	NORSAR Array Site 03C03	
NC304	NORSAR Array Site 03C04	
NC305	NORSAR Array Site 03C05	
NC4	NORSAR Subarray 4C Beam Reference Point	
NC400	NORSAR Array Site 04C00	NC4
NC401	NORSAR Array Site 04C01	
NC402	NORSAR Array Site 04C02	
NC403	NORSAR Array Site 04C03	
NC404	NORSAR Array Site 04C04	
NC405	NORSAR Array Site 04C05	
NC5	NORSAR Subarray 5C Beam Reference Point	
NC6	NORSAR Subarray 6C Beam Reference Point	
NC600	NORSAR Array Site 06C00	NC6
NC601	NORSAR Array Site 06C01	
NC602	NORSAR Array Site 06C02	NRE0
NC603	NORSAR Array Site 06C03	
NC604	NORSAR Array site 06C04	
NC605	NORSAR Array Site 06C05	
NC7	NORSAR Subarray 7C Beam Reference Point	
NC8	NORSAR Subarray 8C Beam Reference Point	
NC89	ODP889	
NC9	NORSAR Subarray 9C Beam Reference Point	
NCA	Nelchina	
NCAD	Nice - Cite Administrative des Alpes-Maritimes	
NCAP1	Carenage, Cap-Haitien, Nord	
NCAT	North Carolina A&T Campus	
NCAU	Nice, cimetire Caucade	
NCB	Newcomb	
NCBC	Barkley Canyon	
NCBS	Nelson Council Building	
NCDM	Cavedale Road	CRD
NCDS	Napier Civil Defence	
NCE	Nasa Cotopaxi	
NCEN	NEPTUNE Canada Endeavour node	
NCER	Nice Cerbom	
NCFM	Canfield Road	
NCG	North Capps Glacier	
NCH	NICASTRO HABITAT	
NCHK	Nachiki	
NCHR	NEPTUNE Canada High Rise	
NCHS	Napier Colenso High School	
NCHT	Obion	
NCIA	Norcia	
NCJ	New Castle	
NCK	Nalchik	
NCM	Ninemile Creek	
NCNA	Naechon	
NCO	Norsar Array Site 01C00	
NCOR	Newberry Crater	
NCORM	Cormier-Plage, Cap-Haitien, Nord	
NCR01	Yampa, N01	
NCR02	Williams Fork Res., N02	
NCR03	Meeker Airport, N03	
NCR04	McCoy, N04	
NCR05	Green Mt Res., N05	
NCR06	Dotsero, N06	
NCR07	Rio Blanco, N07	
NCR08	Frisco, N08	
NCR09	Cottonwood Pass, N09	
NCR10	Rifle, N10	
NCR11	Carbondale, N11	
NCR12	De Beque, N12	
NCR13	Leadville, N13	
NCR14	Collbran, N14	
NCR15	Elkhorn Rd, Fairplay, N15	
NCR16	Grand Junction, N16	
NCR17	Everett, N17	
NCR18	Paonia Res., N18	
NCR19	Spinney Mt Res., N19	
NCR20	Riverside, N20	
NCR21	Gateway, N21	
NCR22	Hotchkiss, N22	
NCR23	Guffey, N23	
NCR24	Centerville, N24	
NCR25	Olathe, N25	
NCR26	Parlin, N26	
NCR27	Blu Mesa, N27	
NCR28	Gunnison, N28	
NCR29	Sargents, N29	
NCRB	Newcastle Ridge	
NCS	Nueva Concepcion	
NCSB	Newcastle Ridge	
NCT	North Crescent	
NCU	National Central University	
NCUH	Zhongli	
NCV	Pung Luong	
ND-	Needles	ND-CL
NDA	Nedlands	
NDB	Naden	
NDBU	Wasserreservoir Schachen, Buelach, ZH	
ND-CL	Needles	
NDE	Delaikoro	
NDEBA	Dheba	

Code	*Station Name*	*Other*
NDF	Nadi	
NDHM	Dunnigan Hills	
NDI	New Delhi	
NDIM	Novi di Modena	
NDIMA	Cerro Iglesias	
NDMT	Ninemile Divide	
NDNU	Novodnistrovsk	
NDNU1	Nyshivtsy	
NDNU2	Shebutintsy	
NDNU3	Rozkopintsy	
NDR	Nardaran	
NDS	Dongshan	
NDT	Datong Township	
NDTR1	NAGRA Drilling, Truellikon, ZH	
NE01	Goteborg	
NE02	Monsted	
NE03	Logumkloster	
NE04	Witteveen	WIT
NE05	Utrecht	
NE06	Dourbes	DOU
NE07	Villiers-Adam	VDM
NE08	Aigurande	
NE09	Les Eyzies	
NE10	Arette	
NE11	Ainzon	
NE11*	La Almunia	
NE12	Valle Caidos	
NE13	Puertollano	
NE14	Granada	
NE15	Valkenburg	
NE16	Clermont-Ferrand	CFF
NE17	Toledo	TOL
NE18	Les Rejaudoux	RJF
NE19		LGR
NE20		ALM
NE201	NE201	
NE202	NE202	
NE203	NE203	
NE204	NE204	
NE205	NE205	
NE206	NE206	
NE207	NE207	
NE208	NE208	
NE209	NE209	
NE21		MTE
NE210	NE210	
NE211	NE211	
NE212	NE212	
NE213	NE213	
NE214	NE214	
NE215	NE215	
NE216	NE216	
NE217	NE217	
NE218	NE218	
NE219	NE219	
NE22		MAL
NE220	NE220	
NE221	NE221	
NE23		FBR
NE24		ALI
NE25		EBR
NE26	Santiago de Compostela	
NE27	Evora	EVO
NE28	Zamora	
NE30	Santa Pau	
NE31	Losser	
NE32	Kootwijk	
NE33		MEM
NE34	Mettingen	
NE35	Billerbeck	
NE36	Bochum	
NE37	Ubbergen	
NE38	Dalfsen	
NE39	Krefeld	
NE40	Winterswijk	
NE41	Zyfflich	
NE42	Fort Lent	
NE51	Saint Petersburg	
NE52	Pskov	
NE53	Naroch'	
NE54	Brest	
NE55	Skvira	
NE56	Odesa	
NE57	Homyel'	
NE58	Poltava	
NE61	Nurmijarvi	NUR
NE62	Kangasniemi	
NE63	Kauhava	
NE74	Guerrero Negro B.C.S	
NE77	Loreto B.C.S	
NE79	San Jose del Viejo B.C.S	
NE80	Navojoa	
NEA	Nenana	
NEA2	Nenana	
NEC	Neuchatel	
NED	Newark	
NEDF	New Edfo	
NEDR	Neiba UASD	
NEE	Needles	
NEE2	Needles Airport, Needles	
NEEM	North Greenland Eemian Ice Drilling site	
NEER	Neeritter	
NEEW	Neewiller pres Lauterbourg	
NEF	NEVSHA	
NEG	NEGU Pad	
NEGI	Seborga	
NEGR	Negresti	
NEGRR	Negrea	
NEHR	Nehoiu	
NEI	Neipperg	
NEJ	Negril	
NEKE	Ethiopian Broadband Seismic Experiment	
NEL	Nelson	
NELH	Nelson Hospital	
NELS	Mount Nelson	
NELY	Ciudad Neily	
NEM	Nemuro	
NEM2	Nemuro 2	
NEMQ	Nemaska	
NEN	Nelson	
NENM1	Neno	
NEO	Neokhori	
NEOK	Tzaverdella	
NEOT	NEOT	
NEPA	Kaukuwa	
NERO	Nerokourou, Chania, Crete Is.	
NESN	Nesson, Greece	
NEST	Nestorio	
NEU	Neuchatel	
NEUB	Neuenburg	
NEUF	Neufchef	
NEUQ	Neuquen (mine)	
NEUR	Neytrino	
NEUST	TS Neustadt	
NEUV	Arroyo Zacate	
NEV	Hard Times	
NEVI	Neviano degli Arduini	
NEVR	Nevel`sk	
NEVS	Nevesinje	
NEW	Newport	
NEWG	New Galloway	
NEWO	Newport DOGAMI SMO	
NEWS	Newlands	
NEY	Neytrino	
NEZ	North Egmont	
NFF	Wufeng Township	
NFIM	Farallon Islands	
NFK	Norfolk Island	
NFP	NAFPAKTOS	
NFRM		FTR
NG-	Niagara	NG-WS
NG54	Nasera Bomas	
NG55	Lemala Gate	
NG56	Ngoile bomas	
NGA	Galoa	
NGAL	NGAL	
NGC	Ngoundere	
NGCH	Negor - Chabahar- Iran	
NGD1	Naghade .Az. Gharbi	
NGDN	Woodland Mills, MGDM	
NGEA	Songea	
NGH	National Guard	
NGHE	Neginohata	
NGHS	Napier Girls High School	
NGI	Nagai Island	
NGJ	Na-gawa	
NGJA	Assam	
NGJI	Ngawi	
NGL	North Gasline	
NGLE	Hospital, Negele	
NGLR	Nogliki	
NGLS	Nogliki	
NGMR	NGMR	
NGN	Nagano	
NGNA	Nongstoin	
NGO	Nago	
NGO1	Nago	
NGOA	Tingoa Renbel	
NGON	Ngonga	
NGOR	Nagor	
NGP	Nagpur	
NGR	North Grip Drilling Camp	
NGRA	Nigrita	
NGRH	Nagyer	
NGRK	Negar Kerman	
NGRR	Negresti	
NGRS	Nagornyi	
NGRZ	Ngongotaha	
NGS	Nagasaki	
NGSA1	Utako	
NGSA2	Keffi	
NGSA3	Ilorin	
NGSJ	Nagasakinomozaki	
NGT	Nagatsuro	
NGVM		GVR
NGWR	NGWR	
NG-WS	Niagara	
NGZ	Ngauruhoe	
NH1	Sanbornton	
NHA	Nha-Trang	
NHAM	Northam, Northwest	
NHB	Bethesda--National Naval Medical Center	
NHBM	Healdsburg	
NHC	New Haven	
NHDH	Xindian District, New Taipei City	
NHDN	Nehbandan	
NHES	Novosibirsk, NHES, Russia	
NHF	Nausori Highlands	
NHFOF	Ain Dar Gosp	
NHIL	New Haven	
NHIM	Nhimo	
NHIN	New Harmony	
NHM	Niihama	
NHMM	Mt Hamilton Road	HMR
NHN	Nahan	
NHR1	Nea Herakleia	
NHRD	Haradh	
NHS	North Hampton	
NHSA	Nikolaevsk School	
NHSC	New Hope	
NHSM	Mount Saint Helena South	
NHW	Xinwu Township	
NHY	Taipei	
NIA	Norfolk Island	
NIAN	Nian	
NIAQ	Niaqornat	
NIB	Nibetsu	
NIC	Nicosia	
NICEF	Mont Chauve - France	
NICH	Los Niches	
NICHA	Nichawak Mountain	
NICK	Nickenich	
NICO	Nicoya	
NICP	Nicaro	
NIDE	Nigde/Merkez-Gumusler	
NIDO	Juntas	
NIE	Niedzica	
NIE01	Niedergesteln, Fire station, VS	
NIEV	Nieva - Peru	
NIF	Nilsia	
NIFO	Sapa ata, Niuas	
NIG	Nigde	
NIHS	Ingelmoor High School	
NII	Niigata	
NIIJ	Niigata 2	
NIK	Nikolski	
NIKH	Nikolski High Hill	
NIKO	Nikolski	
NIKU	Nikkaluokta	
NIKV	Nikolaev	
NIL	Nilore	
NILT	Santiago Niltepec	
NIMB	Iron Mountain	
NIMR	Imredd Nice	
NIN	Ninilchik One	
NINA	Atacazo Ninahuilca	
NIND	Nindi	
NING	Damshung	
NINI	Niniconang	
NINL	Nain	
NIS	Nissan Island	
NIS1	Nisyros Isl.	
NIS2	Nisyros Isl.	
NIS3	Nisyros Isl.	
NIS4	Nisyros Isl.	
NISHN	Nisperales Comayagua	
NISR	Nisiros	
NISR2	Nikia, Nisyros, Greece	
NISS		
NITZ	Be'er Ora	
NIU	Niumate	
NIUE	Niue	
NIUS	Tahileleki, Niue, NIUE	
NIW1	Wetzens (Niawier)	
NIW2	Wetzens (Niawier)	
NIW3	Wetzens (Niawier)	
NIW4	Wetzens (Niawier)	
NIZ	Nizh Angarsk	
NIZA	Niza - Manizales, Caldas	
NIZB	Nizh Angarsk	
NIZO	Nyzhchyi-Ol'chedaiv	
NJ2	Nanjing	
NJBM	Negara	
NJD	Zhudong	
NJDA	Nanjido	
NJFI	Najafi	
NJFR	NAJAFGARH	
NJI	Nanjing	NAN
NJJ	Nii jima	
NJJJ	Nii jima 2	
NJN	Zhunan	
NJOM	Njombe	
NJQ	Nojoqui County Park, Las Cruces	
NJRNS	Najran	
NJS	Nagarjunasagar	
NJW	Norris Junction	
NKA	Nikishka	
NKAL	Nkalisi	
NKB	Nel'koba	
NKBI	Nusa Penida, Bali	
NKC	Novy Kostel	
NKE	Nake	
NKI	Nikolski	
NKK	Na'kalak'ari	
NKKI	Nangan Tayap, Kalimantan Barat	
NKL	Nikolayevsk	
NKM	Nakhla	
NKME	Niksic	
NKP	New Kensington	
NKR	Nakanohara	
NKS	Nakayama Pass	
NKT	Nankipoo	
NKY	Niksic	
NL-	Nazlini	NL-AZ
NL2	Nazlini	
NL2AZ	Nazlini	
NL9	Nola	
NLAI	Namlea	
NL-AZ	Nazlini	
NLC	Nalytchevo	
NLDA	Narodo	
NLG	Nalgonda	
NLHM	Lake Herman	
NLIB	Nice, Liberation	
NLITH	NLITH	
NLLB	Nanaimo Lost Lake,BC	
NLM	Maryland--Naval Ordinance Lab	
NLMS	Nelson Nelmac	
NLNM		LOC
NLO	Nicolai Mountain	
NLU	North Lily Mine	
NLW	Nelson Butte	
NLWA	Neilton Lookout	
NLY	Nelyaty	
NLYR	Nelyaty	
NM01	Eunice	
NMA	Nantucket	
NMA1	Nemea	
NMA2	New Magadan Station 2	
NMAN	Kulet Umm Tiheiwat	
NMC	Nine Mile Canyon	
NMCC	Northern Marianas College	
NMCM		NMC
NMCNC	Mill Creek, Sonoma County	
NMD	New Madrid	
NMDO	Nuevo Mundo	
NMEM	New Madrid Sch	
NMEZ	Namu Road	
NMF	Viti Levu	
NMH	New Mexico Highlands	
NMHM	Mount Saint Helena	
NMHZ	Naumai	
NML	Miaoli City	
NMLH	Miaoli	
NMM	New Madrid	
NMMO	New Madrid	
NMMU	Nelson Mandela Metropolitan University	
NMN	Nasa Mountain	
NMO	Norman	
NMR	Nemuro--Hokkaido University	
NMS	Namosi	
NMSNI	Mole-Saint-Nicolas, Nord-Ouest	
NMSQ	Nemaska Station	
NMTM	Middletown	
NMUT	North Mineral Mountain	
NMWM	Mark W Springs	MAC
NMXM	Mix Canyon Road	MIX
NNA	Nana	
NNAL	NNAL	
NNBS	New Brighton	
NNJ	Nakano	
NNK	Norton	
NNL	Ninilchik	
NNMO	DHOFAR2 - YR	
NNMR	New North Marawa	
NNR	Narayananagar	
NNS	Nan Shan	
NNSB	Datong	
NNSH	Datong	
NNT	Nongplab	
NNVZ	North Ngauruhoe	
NNZ	Nelson	
NOA	NORSAR Array Beam Reference Point	NB2
NOAC	Athens-Thissio	
NOB	Nobeoka	
NOC	Noumea	
NOCA	Nice OCA	
NOCG	North-of-Casa	
NOCI	Noci	
NOCU	Nocera Umbra	
NOD	Norderasen	
NODN	Nodinka Narrows	
NOH	Ma'ale Noah	
NOJ	Nojiri	
NOKA	Waynoka	
NOL	New Orleans	
NOLM	Olema	
NOM	Nome	
NONG	Nongkai	
NONO	Nono	
NOP	Nopah Range	
NOPE	Perakula, Nova, Laane-Nigula	
NOQ	North Oquirrh Mountains	
NOR	Nord	
NORA	NORA	
NORC	Norcasia	
NORES	NORESS Array Beam Reference Point	
NORI	Noerdlinger Ries-Bissingen	
NORM	Noumea	
NOSH	Now Shahr	
NOTT	Nottersdorf	
NOU	Noumea	
NOUC	Port Laguerre	
NOUE	Nou	
NOV	Novara	
NOV1	NOV1	
NOV2	NOV2	
NOV3	NOV3	
NOV4	La Tour-de-Pellz	
NOVE	Novellara	
NOVI	SAN FRANCISCO DE NOVILLO	
NOVRB	El Novillo Sonora	
NOVS	Nova Varos 1	
NOWN	Norman Wells, NWT	
NOWS	NOAA--Sand Point	
NOZ	North Gisborne	
NOZA	NOZA	
NP-	North Pole	NP-NT
NPA	Nampula	
NPCS	New Plymouth Civil Defence	
NPDK	Nanping	
NPGB	Novo Progresso	
NPH	North Pit	
NPI	North Pocatello Valley	
NPIGN	Pignon, Saint-Raphael, Nord	
NPL	Naples	
NPLA	Nafplio	
NPLP	NPLP New Delhi	
NPM	North Pahute Mesa	
NPN	North Pahroc Range	
NP-NT	Mould Bay	
NPNY	Mohonk Preserve	
NPO	Eielson Array	
NPOC	North of Pu`u O`o Crater	
NPOR	Nice, Eglise du Port	
NPPZ	NPP	
NPR	Napier	
NPRI	New Reactor	
NPRM	Point Reyes	
NPS	Neapolis	
NPS1	Neapolis Laconias	
NPT	Nicholson Point	
NPW	Naypyitaw	
NPZ	New Plymouth	
NQ01	CORTADERAS	
NQ03	SIERRA CHATA	
NQ04	EL MANGRULLO	
NQ05	CHIHUIDO DE LA SIERRA NEGRA	
NQ06	AUCA MAHUIDA	
NQ07	Bajada de Aelo	
NQ08	LOMA CAMPANA	
NQ09	SAUZAL BONITO	
NQ10	LINDERO ATRAVESADO II	
NQ11	CHALLACO	
NQ12	ENTRE LOMAS	
NQ13	PLANICIE BANDERITA	
NQ14	COIRON AMARGO NORTE	
NQ15	CERVANTES	
NQBME	Bureau des Mines et l'Energie	
NQMA	Gallatin River Ranch	
NQSR	New Quseer	
NQUSE	US Embassy, Port-au-Prince	
NQWLB	Fermate	
NR-	Niobrara River	NR-NB
NR01	Parco del Colle Oppio (Ingegneria), Rome	
NR02	Via Panisperna, Rome	
NR03	Plesso scolastico Gianturco, Rome	
NR04	Via Dei Taurini, Rome	
NR05	Museo Storico della Fanteria Santa Croce in Gerusalemme, Rome	
NR06	S. Gregorio al Celio, Rome	
NR07	Accademia dei Lincei, Rome	
NR08	Via Pompeo Magno, rome	
NR09	Facolt di Architettura Valle Giulia, Rome	
NR11	Via Michele Lando	
NR12	Circonvallazione	

	Appia, Rome	
NR13	Garbatella, Casetta Rossa, Rome	
NR15	Carabinieri Stazione S. Pietro, Rome	
NR16	Osservatorio Astronomico di Roma	
NR17	INGV Viale Pinturicchio, Rome	
NR18	Biblioteca Villa Leopardi, Rome	
NR19	Biblioteca Vaccheria Nardi, Rome	
NR20	Carabinieri Stazione Quadraro, Rome	
NR21	Via Costantino Imperatore, Rome	
NR22	Carabinieri Stazione Gianicolense, Rome	
NR23	Biblioteca Giovenale, Rome	
NR24	Via Francesco Durante, Rome	
NR25	Biblioteca Cornelia, Rome	
NR26	INGV via di Vigna Murata, Rome	
NRA	North River	
NRA0	NORESS Array Site A0	NORES
NRA1	NORESS Array Site A1	
NRA2	NORESS Array Site A2	
NRA3	NORESS Array Site A3	
NRAU	Nora	
NRB1	NORESS Array Site B1	
NRB2	NORESS Array Site B2	
NRB3	NORESS Array Site B3	
NRB4	NORESS Array Site B4	
NRB5	NORESS Array Site B5	
NRC	NORCIA	
NRC1	NORESS Array Site C1	
NRC2	NORESS Array Site C2	
NRC3	NORESS Array Site C3	
NRC4	NORESS Array Site C4	
NRC5	NORESS Array Site C5	
NRC6	NORESS Array Site C6	
NRC7	NORESS Array Site C7	
NRCA	Norcia	
NRD	Nordlingen	
NRD1	NORESS Array Site D1	
NRD2	NORESS Array Site D2	
NRD3	NORESS Array Site D3	
NRD4	NORESS Array Site D4	
NRD5	NORESS Array Site D5	
NRD6	NORESS Array Site D6	
NRD7	NORESS Array Site D7	
NRD8	NORESS Array Site D8	
NRD9	NORESS Array Site D9	
NRDL	Niedersach Riedel	
NRDN	NARMADA NAGAR	
NRE0	NORESS Array Site E0	
NRFK	Norfolk	
NRGR	Nerungri	
NRI	Noril'sk	
NRIK	Noril'sk	
NRIL	Noril'sk	
NRIS	Noril'sk	
NRJ	Nirehara	
NRK	Nurek	
NRKZ	NAREK	
NRL	Washington--Naval Research Laboratory	
NRLA	Narela	
NRM	North Rainier Mesa	
NRME	Naramoto	
NRMH	Kita-Gairin	
NRMS	Noranda	
NRN	Naryn	
NR-NB	Niobrara River	
NROC	Nice, Saint-Roch	
NRPL	Narshiapallam	
NRR	North Reno	
NRS	Narsarsuaq	
NRT	Northfield	
NRT01	OBS01, N0701	
NRT02	OBS02, N0702	
NRT03	OBS03, N0703	
NRT04	OBS04	
NRT05	OBS05, N0705	
NRT06	OBS06	
NRT08	OBS08	
NRT09	OBS09, N0709	
NRT10	OBS10	
NRT11	OBS11	
NRT12	OBS12	
NRT13	OBS13, N0713	
NRT14	OBS14	
NRT15	OBS15	
NRT16	OBS16	
NRT17	OBS17, N0717	
NRT18	OBS18	
NRT19	OBS19	
NRT20	OBS20	
NRT21	OBS21	
NRT22	OBS22, N0722	
NRT23	OBS23, N0723	
NRT24	OBS24	
NRT25	OBS25	
NRTH	North beach	
NRTU	Norrtaelje	
NRY	Nirayama	
NRYS	Al Jubail	
NRZ	Ngariki Road	
NS01	NECsaids, NS01	
NS02	NECsaids, NS02	
NS04	NECsaids, NS04	
NS05	NECsaids, NS05	
NS06	NECsaids, NS06	
NS07	NECsaids, NS07	
NS08	NECsaids, NS08	
NS09	NECsaids, NS09	
NS10	NECsaids, NS10	
NS11	NECsaids, NS11	
NS12	NECsaids, NS12	
NSAFS	Ar Rayis	
NSAL	Nisos Salamina	
NSBMM	Seram Barat	
NSBS	Neils Beach	
NSC	North Stonington	
NSC3	Nusco	
NSD	Nasudden	
NSFG	Safaga	
NSH	Neshkan, Chukotka	
NSH2	Neshkan	
NSHI	Neve Shalom, NSH	
NSHM	Saint Helena Road	
NSI	Nishiizu	
NSIK	Nasik	
NSK	Sanguang	
NSKAK	NSKAK	
NSKD	New Sinn el Kaddab	
NSKO	Neskantaga (Lansdowne House)First Nations Ontario	
NSLM	New Salem	
NSLU	Nyzhne Selyshche	
NSM	Shimen	
NSP	Numbskull Pass, NTS	
NSPM		SNT
NSPS	Napier St Pauls	
NSR	Nassriya	
NSR4	Al Neser	
NSS	Namsos	
NST	Nakhon Sawan	
NSTT	Nanjuang	
NSU	North Stansbury	
NSW	Nakanosawa	
NSY	Sanyi	
NT-		NT-NV
NT13	Thirsty	
NT2		NT2NV
NT2NV	Nevada Test Site	
NTA	Nevada Test Site Array	
NTAIM	NTAIM	
NTBM	Tomales Bay	
NTC	Toucheng	
NTE	NOTO	
NTGD	Nativ Hagedud	
NTHA	Nthalire	
NTI	Nordman	
NTK	Nunatak	
NTKA	Nootka	
NTKR	Neot Hakikar	
NTLH	Newcastle Hard Rock	
NTLS	Newcastle Soft Rock	
NTMM	Taylor Mountain	
NTNOZ	Mutton Hole Station, Normanton	
NT-NV	Nevada Test Site	
NTORO	Toro	
NTP	Nathian	
NTPM	Mount Tamalpais	
NTS	Ninotsminda	
NTST	Danshui	
NTV	Nha Trang	
NTVB	Natividade	
NTVD	Natividade - TO	
NTVZ	North Tongariro	
NTY	Taoyuan	
NTYM	Taylor	
NUB	Nuweibaa	
NUBE	Las Nubes	
NUE	Niue	
NUK	Nuku'alofa	
NUKS	Nukus	
NUKU	Veitongo, Tongo	
NUM	Numazu	
NUMJS	Khuff	
NUNN	Nunuq Camp, NU	
NUR	Nurmijarvi	
NURE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
NURP	Nurpur	
NUT	Nurota	
NUUG	Nuugaatsiaq	
NUUK	Nuuk	
NUXM	Nuxco	
NV01	Mina Array Site 1	
NV02	Mina Array Site 2	
NV03	Mina Array Site 3	
NV04	Mina Array Site 4	
NV05	Mina Array Site 5	
NV06	Mina Array Site 6	
NV07	Mina Array Site 7	
NV08	Mina Array Site 8	
NV09	Mina Array Site 9	
NV1	North Anna 1	
NV10	Mina Array Site 10	
NV11	Mina Array Sites 11 and 31	
NV2	North Anna 2	
NV3	North Anna 3	
NV32	Mina Array Site 32	
NV33	Mina Array Site 33	
NV4	North Anna 4	
NV5	North Anna 5	
NV6	North Anna 6	
NV7	North Anna 7	
NVAR	Mina Array Beam Reference Point	
NVBH	Bath Hotel, Nevis	
NVDO	Nevis, Disaster Management Department Office	
NVG	NOVI LIGURE	
NVL	N'lazarevskaya	
NVL1	Lau de Morge, St.Gingolph, VS	
NVL2	Le Croseau, ST.Gingolph, VS	
NVL3	Port Valais, Les Evouettes, Wallis VS	
NVLB	Novo Lino, Alagoas, Brazil	
NVLJ	Novalja	
NVMT	Lincoln, Montana	
NVNR	Nevinnomyssk	
NVPR	Novopoltavsky	
NVR	Nevrokopi	
NVR1	NOVARA DI SICILIA	
NVRH	Round Hill, Nevis	
NVS	Novosibirsk	
NVSII	Novosibirsk	
NVSS	Nova Varos 2	
NVV	Nyvrovo	
NVXV	Nova Xavantina-MT	
NVZR	Neve Zohar	
NW2	New River	
NWA	Narrogin	NWAO
NWAO	Narrogin (SRO)	
NWC	North Woods Club	
NWCL	Newcastle	
NWEZ	Newall Road	
NWF	Wu-fen Shan	
NWFS	Ngawi Fire Station	
NWL	Newcastle	
NWLT	Wulai	
NWR	Narrow River	
NWRL	North West River	
NWRM	Wright Ranch	
NWRT	Kuosheng	
NY08	NY08	
NY10	NY10	
NY11	NY11	
NY12	NY12	
NY13	NY13	
NY14	Universidad de la EARTH en Liberia	
NY15	NY15	
NY16	NY16	
NY17	Santa Rosa	
NYA	Nyala	
NYA7	NYA7	
NYA9	NYA9	
NYAB	Nyabibwe	
NYAM	Volcan Nyalulag	
NYAT	Nyati, Northwest	
NYC	Charley	
NYDR	Nydri-Lefkada	
NYG	Neryungri	
NYI	Nyiragongo Volcano Summit	
NYJ	Joshua Tree	
NYK	Nykoping	
NYLS	Nylsvlei,Limpopo Province	
NYM	Climax Mine	
NYNU	Nynaeshamn	
NYR	Receiver Site	
NYRK	Nyeri	
NYS	Syncline Ridge	
NYURE	Nandayure	
NYV	Vern	
NZB	Bigte	
NZBK	Nazarbek	
NZD	Nezhdaninsk	
NZIG	Nacozari, Sonora	
NZIP	Nizip/Gaziantep	
NZJ	Naze	
NZZ	NIZZA MONFERRATO	
O01C	Eel River Conservation Camp, Redway	
O02C	Red Bluff	
O02D	Mt. Diablo Meridian	
O03C	Acorn Hollow, Los Molinos	
O03D	Paynes Creek	
O03E	Paynes Creek	
O04C	Chester	
O05C	Quincy	
O06A	Flanigan	
O07A	Toulon	
O08A	Rochester Mine, Lovelock	
O095	OBS O095	
O096	OBS O096	
O097	OBS O097	
O098	OBS O098	
O099	OBS O099	
O09A	Fish Creek Ranch, Battle Mountain	
O100	OBS O100	
O101	OBS O101	
O102	OBS O102	
O104	OBS O104	
O106	OBS O106	
O107	OBS O107	
O108	OBS O108	
O109	OBS O109	
O10A	Cortez Mining, Crescent City	
O110	OBS O110	
O111	OBS O111	
O113	OBS O113	
O114	OBS O114	
O11A	Cowboy Ranch, Jiggs	
O12A	Currie	
O13A	Hicks Ranch, Ibapah	
O14K	Tigyukauivet Mountain	
O15A	The Old Anderson's Place, Rush Valley	
O15K	Ungalikthiuk River	
O16A	Springville	
O16K	Kokwok River Bristol Bay	
O17A	Robinson Place, Fruitland	
O17K	Koliganek Bristol Bay	
O18A	Roosevelt	
O18K	Koktuh Hills	
O19A	Miners Draw (BLM), Jensen	
O19K	Port Alsworth	
O20A	White River City	
O20K	Slope Mountain	
O21A	Pagoda	
O22A	Kremmling	
O22K	Cooper Landing	
O23A	Lake Granby, Granby	
O24A	Longmont	
O25A	Wiggins	
O26A	Horse Wrangler Ranch, Akron	
O27A	Beecher Island, Eckley	
O28A	Krutsinger Ranch, Parks	
O28M	Mount Upton	
O29A	4D Ranch, Culbertson	
O29M	Mount Kennedy	
O30A	MW Ranch, Wilsonville	
O30N	Mendenhall	
O31A	Woolen Ranch, Alma	
O32A	Brockman Farm, Red Cloud	
O33A	Hebron	
O34A	Beatrice	
O35A	Humboldt	
O36A	Bolckow	
O37A	Wolven Farm, McFall	
O38A	Galt	
O39A	Kirksville	
O40A	La Belle	
O41A	Passleys Farm, La Prairie	
O42A	Bath	
O43A	Sugar Creek Farm, Atlanta	
O44A	Mansfield	
O45A	Potomac	
O47A	Sheridan	
O48A	Farmland	
O48B	Farmland	
O49A	Covington	
O50A	Cable	
O51A	Pataskala	
O52A	Adamsville	
O53A	New Philadelphia	
O54A	Avella	
O55A	Ligonier	
O56A	Blue Knob State Park, Imler	
O57A	Amberson	
O58A	Lewisberry	
O59A	Robesonia	
O60A	Telford	
O61A	Allentown	
O6A	E Barbuda OBS	
OA-	Oahu Island	OA-IS
OA01	Alborean Sea OBS, OB01	
OA02	Alborean Sea OBS, OB02	
OA03	Alborean Sea OBS, OB03	
OA04	Alborean Sea OBS, OB04	
OA05	Alborean Sea OBS, OB05	
OA06	Alborean Sea OBS, OB06	
OA07	Alborean Sea OBS, OB07	
OA08	Alborean Sea OBS, OB08	
OA09	Alborean Sea OBS, OB09	
OA10	Alborean Sea OBS, OB10	
OA11	Alborean Sea OBS, OB11	
OA12	Alborean Sea OBS, OB12	
OA13	Alborean Sea OBS, OB13	
OA14	Alborean Sea OBS, OB14	
OA15	Alborean Sea OBS, OB15	
OA16	Alborean Sea OBS, OB16	
OA17	Alborean Sea OBS, OB17	
OA18	Alborean Sea OBS, OB18	
OA19	Alborean Sea OBS, OB19	
OA20	Alborean Sea OBS, OB20	
OA21	Alborean Sea OBS, OB21	
OA22	Alborean Sea OBS, OB22	
OA23	Alborean Sea OBS, OB23	
OA24	Alborean Sea OBS, OB24	
OA25	Alborean Sea OBS, OB25	
OA26	Alborean Sea OBS, OB26	
OA27	Alborean Sea OBS, OB27	
OA28	Alborean Sea OBS, OB28	
OA29	Alborean Sea OBS, OB29	
OA30	Alborean Sea OBS, OB30	
OAHZ	Ouaha Hills	
OA-IS	Oahu Island	
OAK	Oakfield	
OAKV	Oakville Experimental Vineyard	
OAMS	Oamaru North Otago Museum	
OAQ	Quito	
OAR	Oum El Arais	
OAS	Oasis	
OAT	Oat Mountain	
OAUI	Ile-Ife	
OAX	Oaxaca	
OB01	OBS 01	
OB02	OBS 02	
OB03	OBS 03	
OB04	OBS 04	
OB05	OBS 05	
OB06	OBS 06	
OB07	OBS 07	
OB08	OBS 08	
OB09	OBS 09	
OB10	OBS 10	
OB11	OBS 11	
OB12	OBS 12	
OB13	OBS 13	
OB14	OBS 14	
OB15	OBS 15	
OB16	OBS 16	
OB17	OBS 17	
OB18	OBS 18	
OB19	OBS 19	
OB20	OBS 20	
OB21	OBS 21	
OB22	OBS 22	
OB23	OBS 23	
OB24	OBS 24	
OB25	OBS 25	
OB26	OBS 26	
OB27	OBS 27	
OB28	OBS 28	
OB29	OBS 29	
OB2NV	Oak Springs Butte	
OB30	OBS 30	
OB3NV	Oak Springs Butte	
OBA	Oasis-Bungera	
OBB	Obsidian Butte	
OBBL	Beni Bahdel	
OBC	Olympics--Bonidu Creek	
OBER	Oberstdorf	
OBF0	Syolatti, Pyhajoki	
OBF1	Elvisluoto, Pyhjoki	
OBF2	Ylip, Raahe	
OBF3	Siikajoki	
OBF4	Vikkela, Lumijoki	
OBF5	Vihanti	
OBF6	Kekajrvi, Ylivieska	
OBF7	Kamusenper, Kalajoki	
OBF8	Ulkokalla	
OBG	Obi Garm	
OBH	Olympics--Burnt Hill	
OBHAM	Bir El Hammam	
OBHM	Bloomer Hill	
OBI	Obihiro	
OBIP	Obispado Ponce	
OBK	Oberlin	
OBKA	Obir	
OBL	Observatory Ledge	
OBLS	Djebel Bou Ietas	
OBM	Ulan Bator	
OBN	Obninsk	
OB-NV	Oak Springs Butte	
OBO	Obock	
OBOS	Obo	
OBP	Observatoire de Paris	
OBR	Brabster	
OBS	Ocean Bottom Seismometer	
OBSA	Observatorio Astronmico de Quito, Ejido, Itchimbia,	

	Quito, Ecuador	
OBSR	Observation Rock	
OBSV	Observatory	
OBVZ	Obonuco	
OBY	Ambatonomby	
OBZ	Oban	
OC2	Ocos 2	
OC9	Casamicciola	
OCA	Owens Crossroads	
OCAC	Ocana	
OCBR	Ocara	
OCF	Saint Nazaire	
OCG	Ocos	
OCHAL	Ojochal	
OCHM	Cohasset Ridge	
OCHR	Omchak	
OCHT	Ochtendung	
OCLP	Ormoc	
OCM	Ochomogo	
OCN	Over Castle Rock	
OCO	Oklahoma City	
OCON	Estacion meteorologica de Ocotal	
OCP	Olym-Cheeka Pk	
OCR	O'Connell Ranch	
OCTB	Oktyabr'skiy	
OCU3	Ocu, Herrera	
OCUV	OCUMARITO	
OCWA	Octopus Mountain	
OD2	Odessa Site #2	
ODAN	Odare	
ODB	Odobesti	
ODBI	Odobesti	
ODD	Odda	
ODD1	Odda	
ODEM	Odemis-Izmir	
ODEU	Stanfors	
ODJA	Bouhanifia	
ODK	Oud Koma	
ODNJ	Ogdensburg	
ODS	Odessa	
ODSA	Odessa	
ODSE	Onioshidashi	
ODSR	Odorheiu Secuiesc	
ODZ	Otahua Downs	
ODZI	Dziouia	
OEM4	Vulcano Villaggio Lentia	
OEM5	Vulcano Vulcanello, Cappello di Bonanno	
OEM7	Lipari Monterosa	
OEM8	Lipari, loc. Fontanelle	
OEM9	Vulcano lo. Piano	
OFA	Oficina Alemania	
OFB	Ocean Falls	
OFBG	Offenburg	
OFD	Oued Fodda	
OFFE	Offenburg-Weierbach	
OFFI	Offida	
OFK	Olympics--Forks	
OFR	Olym-F Res Ctr	
OFRG	Douar Fergoug	
OFRI	`Ofer	
OFT	Oftobruy	
OFU	Ofunato	
OFUJ	Ofunato	
OG01	Vacheresse	
OG02	Monnetier-Mornex	
OG03	Samoens	
OG04	La Clusaz	
OG05	Jujurieux	
OG06	Moye	
OG07	Sainte-Reine	
OG08	Commelle	
OG09	Saint-Thibaud-de-Couz	
OG10	Saint-Etienne-de-Cuines	
OG11	Montagny	
OG12	Villaroger	
OG13	Choranche	
OG14	Saint-Maurice-en-Valgodemard	
OG15	Briangon	
OG16	Combovin	
OG17	Prunihres	
OG18	Albannette	
OG19	Saint-Julien-en-Beauchene	
OG20	Riallon	
OG21	Saint-Cripin	
OG22	Abries	
OG23	Tende	
OG24	Aussois	
OG25	Le Caire	
OG26	St.-Nazaire-Desert	OCF
OG27	Meolans	
OG28	Izon-la-Bruisse	
OG29	Digne	
OG30	Villeneuve d'Entraunes	
OG32	Castellane	
OG33	Roure	
OG34	Musihges	
OG35	Corcelles	
OGA	Obergurgl	
OGAG	Argentiere	
OGAUY	Aigu	
OGD	Ogdensburg	
OGDI	Digne	
OGE	Ogeu	
OGH	Oga	
OGMO	Fort Saint-Gobain, Modane	
OGMT	Ogden Mountain	
OGMY	Moye	
OGNE	Ogallala	
OGOM	Van Goodin Ranch	
OGRR	Ongureny	
OGS	Ogasawara	
OGSI	Sixt	
OGSM	Saint Maurice de Rotherens	
OGSO	Ohio Geological Survey, Columbus	
OGTN	Old Graveyard	
OGU	Ogden Bay	
OGWZ	Otaki Gorge	
OHAK	Old Harbor	
OHC	O'Higgins	
OHCM	Honcut	
OHD	Ohdaira	
OHH	Osh	
OHIO	Mendenhall Laboratory, The Ohio State University, Columbus, OH	
OHJ	Ohira	
OHLN	Ohlone	
OHM	Omihachiman	
OHO	Hoy	
OHR	Ohrid	
OHRN	Oohira	
OHS	Orange Hill	
OHSS	Ouruhia School	
OHTN	Owl Hoot	
OHTR	Okhotsk	
OHW	Oak Harbor	
OHWZ	Ohakea	
OIA	Oishiyama (A)	
OIB	Oishiyama (B)	
OIC	Oishiyama (C)	
OII	Orti	
OILH	Oil house	
OIS	Oishiyama	
OISEL	Oiseley-et-Grachaux	
OIT	Oita	
OIT2	Oita 2	
OIW	Oiwake	
OIZ	Oio	
OJBR	Djebel Berber	
OJC	Ojcow	
OJD4	Ozhidaevo	
OJEN	Ojen	
OJGS	Djebel Guires	
OJONX	Ojos Negros	
OJOS	Ojo de Agua	
OJOX	Ej. Ojos Negros	
OK001	Jones High Sch.	
OK002	Wilshire Harrah	
OK003	Hefner Road	
OK004	Okla Sci Mus	
OK005	Luther M School	
OK006	Choctaw High	
OK007	Harrah City Hall	
OK008	Spencer City Hall	
OK009	Oakdale Elementary Sch.	
OK011	Prague	
OK020	N3440 Road, Meeker	
OK021	N3530 Road, Sparks	
OK022	N3560 Road, Prague	
OK023	East Waterloo Road, Luther	
OK024	West corner E0890 Road	
OK025	Westminster Rd and Hefner Rd	
OK029	Liberty Lake	
OK030	Cody Creek RV Park, Cushing	
OK031	S. Brethren Rd., Cushing	
OK032	Salt Plains WLR near Rte 11	
OK033	Mehan	
OK034	N. Norfolk Rd., Cushing	
OK035	E0210 Rd and N2420 Rd, Alva	
OK038	West end E0370 Rd, Waynoka	
OK044	Pawnee Station 44	
OK045	Pawnee Station 45	
OK046	Pawnee Station 46	
OK047	Pawnee, Station 47	
OK048	Pawnee Station 48	
OK049	E0420 Rd and N3200 Rd	
OK050	Pawnee Station 50	
OK051	E0350 and S34600 Roads, Ralston	
OK052	Battle Ridge Rd, NW of Cushing	
OK053	SW of W Deep Rock Rd and N Kings Hwy, Cushing	
OKA	Okayama	
OKA1	Okayama	
OKA2	Okayama 2	
OKAH	Ooka	
OKAK	Okmok	
OKAM	Okamatapati	
OKB	Okabe	
OKC	Ostrava-Krasne	
OKCB	Cheongsan-myeong	
OKCD	Okmok Cone D	
OKCE	Okmok Cone E	
OKCF	Okmok Cone F	
OKCFA	Oklahoma City	
OKCSW	OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	
OKCZ	Okains Bay	
OKDL	Oakdale	
OKEB	Okgye-meyeon	
OKER	Okmok East Rim	
OKFG	Magazine Ridge	
OKG	Oak Grove	
OKGL	Djebel Kef Guellal	
OKH	Okha	
OKHR	Okhotsk	
OKHT	Okhotsk	
OKI	Okijuku	
OKID	Okmok Mt. Idak	
OKJL	Djebel Kodjel	
OKL	Od Khalfella	
OKN	Okuno	
OKNC	Okmok New Cone D	
OKP	Okiep	
OKRE	Okmok R'deer Pt	
OKS	Okushiri	
OKSO	Okmok South	
OKSP	Okmok Steeple Pt	
OKTD	Tabubil	
OKTU	Okmok Mt. Tulik	
OKWE	Okmok W'ng Wall	
OKWR	Okmok West Rim	
OKY	Okuyama	
OLAR	Ola	
OLAS	OLAS	
OLB	Olbia	
OLC	Olema	NOLM
OLCH	Olmue	
OLDB	Oldbury-Upon-Severn	
OLDO	Ol Doinyo Lengai	
OLDS	OLDS	
OLEF	Ile d'Oleron	
OLF	Olofstrom	
OLFT	Oleftalsperre	
OLG	Olintepeque	
OLGA		
OLHC	Oulhaca	
OLIL	Olney	
OLIV	Plomelin	
OLK	Olkaria	
OLKF	Oulanka, Finland	
OLL	Ollague	
OLLA	Las Ollas	
OLLE	Nevado del Ruiz	
OLMR	Olekminsk	
OLO	Oologah	
OLOS	Olot	
OLP	Otay Lakes Park	
OLQ	Olympics--Lake Quinault	
OLT	Olot	
OLW	Olympia	
OLWK	Olkaria West	
OLY	Olyphant	
OLYC	Mount Olympus	
OMA	Omae zaki	
OMBFM	Komodo	
OMCO	Orchard Mesa	
OMDBO	OLD MILL DISTRICT, BEND, OREGON	
OME	Ometepe	
OMED	Obermendig	
OMEGA	Omega	
OMEN	Al SSO del Volcan Concepcion	
OMET	Metahra	
OMID	Djebel Midouna	
OMJ	Ohmine	
OMM	Old Mammoth Mine	
OMMB	Old Mammoth Mine - surface	
OMOL	Omolon, Chukotka	
OMP	Cagayan Oro	CGP
OMRZ	Omania	
OMS	Omsukchan	
OMUT	Andoni	
OMW	Omak	
OMWY	Oxenhope Moor	
OMZ	Oamaru	
ON2	Olympics--North River	
ONA	Onahama	
ONAJ	Iwakimizuishiyama	
ONAU	Onsala	
ONCR	Oncesti	
ONE	Onerahi	
ONER	Baraj Valea Uzului	
ONF	Office Forets	
ONG	Ongoro	
ONGER	Ongerup, WA	
ONH	Oakhill	
ONHA	San Felipe Oa, Saraguro	
ONI	Oni	
ONN12	Ottawa-Fire-Stn-94	
ONN20	Chesterville-ON-UCDSB	
ONO	Onokovtsy	
ONR	Olympics--North River	
ONRN	Ngamring, Xizang Zizhiqu	
ONS2	Onesti	
ONSM	Onan Ganjang, Sumatera Utara	
ONST	Albstadt-Onstmettingen	
ONSU	Onsala	
ONTN	Oneida	
ONTNC	Ouen Toro	
ONTR	Ontario (NY)	
ONTRN	Noumea	
OO-	Oslo	OO-NW
OOD	Oodnadatta	
OOM	Omiya	
OO-NW	Oslo	
OOS	Ooshika	
OOT	Ootomari	
OOW	Octopus West	
OPA	Opana	
OPAM	Oficina de Planificacin del Area Metropolitana de San Salvador	
OPC	Olympic Penn College CREST BB SMO	
OPCS	Opotiki College	
OPI	Opi	
OPL	Opal Mound	
OPLO	Oploo	
OPO	Ambohidratompo	
OPP	Oppenau	
OPPE	Oppeano	
OPPI	Oppido Mamertina	
OPRZ	Ohinepanea	
OPSS	Opunake Primary School	
OPT	Oil Point	
OPU	Opuwo	
OPUK	Cape Opuk	
OPWS	Opawa School	
OR-	Orlando	OR-FL
OR1	Oriolo Calabro	ORI
OR2	Orenburg-2	
OR3	Orenburg-3	
ORA	Oran	
ORAM	Rattlesnake Point	
ORB	Orbe	
ORBT	Orbita	
ORC	Owens River	
ORC1	Okavango Research Center	
ORCC	Oricopia Mountain	
ORCD	Orcadas	
ORCS	Ohakune Ruapehu College	
ORCV	Isla La Orchila	
ORD	Ordubad	
ORD1	Oradea	
ORDF	Ordiarp	
ORDU	Ordu-Boztepe	
ORE	Reay	
OREA	Oraiokastro	
OREN	Orenkoy-Mersin	
OR-FL	Orlando	
ORG	Organya	
ORGA		
ORGV	Orgiva	
ORH	Orhaniye	
ORHG	Orhangazi	
ORHO	Orleans, Heritage Park	
ORHR	Oreshnoe	
ORI	Oriolo Calabro	
ORIA	Oriahovo	
ORIF	Oris-en-Rattier	
ORIO	Orleans, Innes Road, Ontario	
ORIV	Oritupano	
ORJ	Oura	
ORK	Orkelljunga	
ORL	Orlik	
ORLT	Orhaneli	
ORNG	Orange	
ORNO	Orono	
ORO	Oropa	
OROT	Orotina	
ORP	Orsara di Puglia	
ORPS	Orepuki	
ORR	Orenburg	
ORRS	Orr Springs	
ORS	ORSARA DI PUGLIA	
ORSA	Oratoire Sainte Anne ISOLA	
ORT	Oak Ridge	
ORTC	Ortega, Tolima	
ORTE	Orte (VT)	
ORTG	Ortega, Santa Cruz, Guanacaste	
ORTH	Orthonies,Zakynthos,Greece	
ORTS	Orotukan	
ORTZ	Oretz Creek	
ORV	Oroville	
ORX	Oropa	
ORY	Orie	
ORZI	Orzinuovi	
OSA	Osaka	
OSAC	Osaka (C)	
OSAK	Osaka (K)	
OSB	Orangeburg	
OSBL	Sidi Abdelli	
OSBY	Osborn	
OSC	Orangeburg	
OSC1	CSNet OBS 1	
OSC2	CSNet OBS 4	
OSCH	Osorno	
OSCM	Ostuacan	
OSD	Olympics--Snow Dome	
OSG	Oseberg A Platform	
OSGS	Os	
OSH	Oshima	
OSHJ	Oshima	
OSI	Osito Audit: Castaic Lake Dam, Castaic	
OSIN	Kakessio	
OSK	Osaka	
OSKI	Oschiri	
OSKU	Oskarshamn	
OSL	Oslo	
OSLO	Ohio State University--Lima	
OSM	Ostula	
OSML	Os-Marcillon	
OSMO	Ohio State University--Mansfield	
OSMR	Ostromysovka	
OSMT	Osmaniye	
OSNP1	Ocean Seismic Network, Sensor 1	
OSNP2	Ocean Seismic Network, Sensor 2, OSN1B	
OSNP3	Ocean Seismic Network, Sensor 3, OSN1S	
OSNY	Ossining	
OSP	Olympics--Sooes Peak	
OSPF	L'Ospedale	
OSR	Olympics--Salmon Ridge	
OSS	Ova Spin	
OSSC	Osservatorio Polifunzionale del Chianti	
OSSF	Osses	
OSSR	Ossora	
OST	Stronsay	
OSTC	Ostas	
OSTM	Stimpson Lane	
OSTU	Oestervaala	
OSUM	Sutter Buttes	
OSUO	Ohio State University	
OSV	Paramo de la Osa	
OSWG	Oswego	
OT001	1031 Sheenboro Crescent, Ottawa	
OT002	1514 Bourcier, Ottawa	
OT004	16, Winslow Court, Ottawa	
OT006	959, Brant, Ottawa	
OT008	2758 Massicotte Lane, Ottawa	
OT011	OT011	
OT012	7 Observatory Cres., Ottawa	
OT03	San Marco in Lamis (FG) Italy	
OT04	Stignano (FG) Italy	
OT05	Madonna di Cristo (FG) Italy	
OT06	Rignano Garganico (FG) Italy	
OT07	Costarelle (FG) Italy	
OT11	Lucera (FG) Italy	
OT12	Manfredonia (FG) Italy	
OT13	Castello Vieste (FG) Italy	
OT14	Ischitella (FG) Italy	
OT15	Bari, Italy	
OT16	Chieuti (FG)	
OT17	San Severo (FG)	
OT2	Othello	
OT3	Othello 3	
OTAO	Ottawa Anderson Road	
OTAV	Otavalo	
OTAZ	Otara	
OTBB	Blackburn lab bldg12	
OTBM	Table Mountain	
OTER1	Otterbach 1 (BS)	
OTER2	Otterbach 2 (BS)	
OTGH	Glebe high school	
OTH	Othello	
OTI	Otiai	
OTISU	ISU Olt	
OTJO	Outjo	
OTK	Orto-Tokoy	
OTKS	Otaki School	
OTL	Oterleek	
OTL1	Oterleek	
OTL2	Oterleek	
OTL3	Oterleek	

Code	Station Name	Other
OTL4	Oterleek	
OTLM	Tlemcen	
OTNM	Canadian Museum of Nature	
OTNZ	Otaenga	
OTO	Tongue	
OTOC	Otocac	
OTP	Otepa	
OTPR	Odiongan	
OTR	Olympics--Tyee Ridge	
OTRA	Espoo, Otaniemi	
OTRO	Otter Rapids	
OTRP	Odiongan	
OTSS	Djebel Tessala	
OTT	Ottawa	
OTTER	Otterbach	
OTUK	Ortayu	
OTV	Ottaviano, Vesuvio (NA), Italy	
OTVZ	Oturere	
OTW	Orongorongo Tunnel	
OTWM	No. 579 Westminster Ave.	
OTZ	Ortiz Mountain	
OUA	Ouanaham	
OUAO	Ohio University	
OUENC	Ouen Island, New Caledonia	
OUF	Merijarvi	
OUFX	Oulainen	
OUJ	Oujda	
OUK	Oukaimeden	
OUL	Oulu	
OUR	Ouranopolis	
OUT	Outlet	
OUZ	Omahuta	
OUZM	OUZ	
OV1	Vesuviano	OVO
OVA	Ovalau	
OVAR	Ovaro	
OVCH	Ovalle	
OVD	Ostervraa, Denmark	
OVE	Overton	
OVEH	Oceanview Est	
OVMT	Ovando	
OVO	Vesuviano	
OWA	Owase	
OWAM	Wyandotte	OWYM
OWD	Renai	
OWE	Westray	
OWUT	Old Woman Plateau	
OWYM	Wyandotte	
OXBJ	Oaxaca	
OXD	Oxford	
OXF	Oxford	
OXIG	Oaxaca	
OXLC	Oaxaca	
OXM	Oxtotitlan	
OXMT	Ox Mountain	
OXX	Oaxaca	
OXZ	Oxford	
OYDB	Oeyeondo	
OYM	Oyama	
OYT	Oya 1	
OYT2	Oya 2	
OZAP	Van, Ozalp-Merkez	
OZB	Mount Ozzard	
OZC	Ocozocoautla	
OZE	Ozernaya	
OZHR	Ozhidaevo	
OZLJ	Ozalj	
OZNA	Ozona	
OZOL	Ozolo	
OZRR	Ozero (Kronotsky)	
OZST	Orizaba	
OZUR		
P01C	Double 8 Ranch, Willits	
P05C	Yuba Gap, Truckee	
P06A	Stead Airport, Stead	
P07A	Fallon	
P0844	Hornito Dam	
P08A	Dixie Valley	
P08K	Saint George Island	
P09A	Austin	
P10A	Eureka	
P11A	Circle Ranch, Eureka	
P12A	McGill	
P13A	Bates Ranch, Gandy	
P14A	Drum Mountains (BLM), Topaz	
P15A	Leamington	
P16A	Fountain Green	
P16K	Nushagak River	
P17A	Butcher Ranch, Price	
P17K	Kvichak River	
P18A	Preston Nutter Ranch, Sunnyside	
P18K	Big Mountain, AK	
P19A	Cripple Cowboy Ranch, Baxter Pass	
P19K	Oil Pt	
P20A	De Beque	
P21A	Newcastle	
P22A	Eagle	
P23A	Jefferson	
P23K	Montague Island	
P24A	Kohler Place, Littleton	
P25A	Willow Gulch Bison Ranch, Deer Trail	
P26A	Davis Ranch, Arriba	
P27A	Ficken Ranch, Kirk	
P28A	Saint Francis	
P29A	Atwood	
P29M	Windy Craggy	
P30A	Selden	
P30M	Million Dollar Falls	
P31A	Stockton	
P32A	Huiting Farm, Downs	
P32M	Atlin	
P33A	Williams Farm, Concordia	
P33M	Teslin, Yukon	
P34A	Walnut Farm, Randolph	
P35A	Duane Minner, Soldier	
P36A	Good Intent, Atchison	
P37A	Lathrop	
P38A	Dawn	
P39A	Salisbury	
P39B	Salisbury	
P403	Sandy Floe Quarry	
P40A	Paris	
P41A	Barry, Barry	
P42A	Winchester	
P43A	Skaggs, Pawnee	
P44A	Sand Creek, Windsor	
P45A	Graceland, Paris	
P46A	Rosedale	
P47A	Martinsville	
P48A	Milroy	
P49A	Miami Univ. Ecology Research Center	
P50A	Jamestown	
P51A	Williamsport	
P52A	Corning	
P53A	Whipple	
P54A	Burton	
P55A	Reedsville	
P56A	Dayton Farm, Ripley	
P57A	Homestead Farm, Martinsburg	
P58A	Pank, Wackersville	
P59A	Jarrettsville	
P5NO	Presa 5 de noviembre	
P60A	Greenville	
P61A	Hammonton	
PA01	PA01 North	
PA02	PA02 Ocean	
PA03	PA03 Flamable	
PA04	PA04 Cage	
PA05	PA05 Willingdon	
PA12	PA12 Sannich	
PAA	Panguna	
PAAG	Paamiut	
PAAN	Paanajarvi	
PAAR	P'arak'ar	
PAB	San Pablo	
PABB	Port Alberni	
PABC	Pismo Preserve, Pismo Beach, CA USA	
PABE	Paberze	
PABH	Pacific Beach Navy Resort	
PABI	Pasaman, Sumatera Barat	
PABK	Blue Knob State Park, Imler	
PABN	Pabitra Nagar,Odisha	
PABO	Pietrabbondante (IS)	
PAC	Palo Alto--Branner	
PAC1	Pacto, Paraso	
PACA	Pacayal	
PACB	Port Alice, BC	
PACH	Papudo	
PACHH	PACH	
PACI	Pancar Gunung	
PACM	Arenal	
PACN	Al O del Volcan Cerro Negro	
PACP	Pacheco Peak	
PACPP	Pamplona Cagayan	
PACT	Alcochete	
PACW	Pacific Creek	
PAD	Padua	
PADA	Padmapur Odisha,India	
PADE	Viggiano	
PADH	Viggiano	
PADM	Adeladia	
PAE	Paea	
PAF	Port-aux-Francais	
PAFM	Pantar Tengah	
PAG	Le Parnasse	
PAGB	Antelope Grade	
PAGF	Fort de Pagny la Blanche Cte (52)	
PAGM	Antelope Grade	
PAGN	Pagan	
PAGS	Pennsylvania Geol. Surv.	
PAGU	Agualva, Azores	
PAGV	Pagan Volcano	
PAGW	PAGW	
PAGZ	Pagadian	
PAH	Pahoa	
PAHR	Pah Rah Range	
PAHZ	Panekirikiri	
PAI	P Aileron	
PAIG	Paliouri	
PAJ	Port Antonio	
PAJA	PAJAN 2	
PAJU	Pajala	
PAK0	Pari Array Site 0	
PAKI	Paser, Kalimantan Timur, Indonesia	
PAKP	Brgy Taft, Pakil, Laguna	
PAKY	Paducah	
PAKZ	Paiaka Road	
PAL	Palisades	
PAL01	Palmeiras do Tocantins	
PAL1	Palomo	
PAL2	UHE Estreito - MA/TO	
PALA	Palora	
PALAG	Urb. La Laguna, PAL	
PALB	Palub	
PALBU	Albufeira	
PALC	Alcoutim	
PALD	Palmares	
PALE	Palemas	
PALJ	Aljezur	
PALK	Pallekele	
PALM	Palmichal	
PALME	Palmer Lift, Mt. Hood	
PALMI	Palmira, PALM	
PALN	Palana	
PALO	Palomo	
PALP	Palanan	
PALR	Palma Real	
PALS	Palana	
PALU	Palau	
PALV	Tres Palos	
PALZ	Palazzo San Gervasio	
PAM	Palermo	
PAMA	Santo Amaro	
PAMC	Pamplona, Colombia	
PAMF	Morne Pavillon	
PAMR	Moraine State Park, Slippery Rock	
PAN	Panimavida	
PAN03	PANNARANO	
PAN1	Panorama	
PANC	Panciu	
PANCS	Alcalda de Panchimalco	
PAND	Andorre	
PANG	Puerto Angel	
PANH	Panhandle Gap, Mount Rainier	
PANI	Panarotta	
PANIX	Pigniu (Panix)	
PANJ	Princeton	
PANJA	Panjikon	
PANM	San Antonio Reservoir	
PANO	Nakornpanom	
PANP	Palmar Norte	
PANR	Panormos, Dorida, Greece	
PANT	Pantanal (Brazil)	
PANTE	Pantelleria	
PANV	Panamint Range	
PAO	Baotou	BTO
PAOC	Oil Creek State Park, Oil Creek	
PAOL	Paolisi	
PAP	Pandan	
PAPA	Papagayo	
PAPH	Port-au-Prince	
PAPM	Alder Peak	
PAPS	Paraparaumu Primary School	
PAPY	Pozo Azul	
PAQE	Paquera	
PAR	Paris	
PAR1	Juara	
PAR1A	Puntarenas Province,Vegas	
PAR1C	Paralimni Civil Defence	
PAR2	Brasnorte	
PAR3	Juina	
PAR4	Juina	
PAR5	Porto dos Gachos	
PAR6	Juina	
PAR7	Juina	
PARA	Parapanda	
PARAA	Paradisi	
PARAL	Paralimni	
PARB	Paraibuna	
PARC	Parchiule	
PARD	Parod	
PARG	Los Pargos	
PARM	Anticline Ridge	
PARMO	Parma	
PARN	Parndana	
PARN1	Fyli,Attica,Greece	
PARN2	Moni Osiou Meletiou,Attica,Greece	
PARN3	Mandra,Attica,Greece	
PARO	Chuyul	
PARR	Paradise	
PARRA	Arraiolos	
PARS	Panorama Road	
PART	Garmisch-Partenkirchen	
PARU	Parque archeologico de Rumipamba	
PARV	Pariaguan	
PARZ	Papamoa	
PAS	Pasadena	
PAS1	Pastocalle - Ecuador	
PASA	Karahalli, USAK	
PASC	Pasadena Art Cn	
PASE	Minerbio--Passere	
PASG	PASIGHAT	
PASI	Pasiripis	
PASK	Pasakaki Chania	
PAST	Pastocalle	
PAT	Patras	
PAT1	Patacocha	
PAT2	Paterson 2	
PAT4	Patras	
PAT5	Rio Patras	
PATA	Patacocha	
PATB	Patos, Paraiba, Brazil	
PATC	Patra C	
PATCX	Punta Patache	
PATE	Hrakleion	
PATG	Patra B	
PATN	Patnagarh Odisha,India	
PATO	Ponte Alta do Tocantins	
PATR	El Naranjo	
PATS	Pohnpei	
PATT	Patterson Mountain	
PATW	Paterson	
PATY	Pattaya	
PATZ	Paeroa	
PAU	Pauzhetka	
PAU1	Estreito	
PAULI	Pauline	
PAUV	EL PAUJM	
PAV	Pavia	
PAVA	Las Pavas	
PAVB	Pavas, San Jos	
PAVE	Pavencul	
PAW	Pawlowsk	
PAWZ	Paruwai Farm	
PAX	Paxson	
PAY	Chiapas	
PAYA	Payao	
PAYG	Puerto Ayora	
PAYL	Puyallup School ANSS-SMO	
PAYV	Puerto Ayacucho	
PAZ	Puerto Azul	
PB-	Parsons	
PB01	IPOC Station PB01	
PB02	IPOC Station PB02	
PB03	IPOC Station PB03	
PB04	IPOC Station PB04	
PB05	IPOC Station PB05	
PB06	IPOC Station PB06	
PB07	IPOC Station PB07	
PB08	IPOC Station PB08	
PB09	IPOC Station PB09	
PB10	IPOC Station PB10	
PB11	IPOC Station PB11	
PB12	IPOC Station PB12	
PB13	IPOC Station PB13	
PB14	IPOC Station PB14	
PB15	IPOC Station PB15	
PB16	IPOC Station PB16	
PB18	Visviri	
PB19	Pico de Oro	
PBA	Port Blair	
PBAR	Barrancos	
PBC	Punta Burica	
PBCA	Chalchihuapan	
PBCC	Pribram	
PBCI	Poigar, Sulawesi Utara	
PBCV	Popocatepetl	
PBDV	Barranco-do-Velho	
PBEJ	Beja	
PBEN	Benavente	
PBF	Porcher Bluff	
PBG	Petersburg	
PBG1	Petersburg	
PBIG	Penon de los Banos, D. F.	
PBIS	Biscoitos	
PBJ	Presa Benito Juarez	
PBJI	Pasirjambu, Jawa Barat	
PBKI	Pangkalan Bun	
PBKT	Sadao Pong	
PBLI	Pujut, Nusa Tenggara Barat	
PBM	Tlamacas	
PBMO	Poplar Bluff	
PBN	PIEVEBOVIGLIANA	
PBNC	Punta Banco, Puntarenas	
PBNI	Parado, Bima, Nusa Tenggara Barat, Indonesia	
PBNVO	Pueblo Nuevo, Bur	
PBO3	Pozo tres de Borinquen	
PBOI	Pico dos Bois	
PBP	San Juan Cuauhtemoc	
PBPM	Bitterwater Pump Station	
PBPN	Popocatepetl	
PBQ	Poste Baleine	
PBR1	Peterborough	
PBRG	Braganca	
PBRM	Bassetti Ranch	
PBS	Pigeon Bay	
PBSI	Pulau Batu	
PB-TN	Parsons	
PBU	Perry Basin	
PBUR	Paburge	
PBV	Petersburg	
PBVM	Pinon	
PBWM	Bitterwater Creek	BTW
PBX	Punta Banda	
PBXN	Popocatepetl	
PBYM	Bryson	
PC-	Picayune	PC-MS
PC04	Monticchio (on limestone)	
PC05	Monticchio (on alluvial deposits)	
PCA	Pinnacle	
PCA1	Carrot	
PCAB	Cabril	
PCAL	Alvares	
PCALD	Caldeiras da Ribeira Grande	
PCAM	Castle Mt.	CTM
PCAN	Candelaria	
PCAPE	Capelo, Faial	
PCAQ	Pointe Carleton	
PCAS	Casmilo, Condeixa	
PCASC	Cascais	
PCAYA	Pacayas	
PCB	Port Clements	
PCBI	Pancar Batu	
PCBM	Cambria	
PCBR	Castelo Branco	
PCC	Pilarcitos Creek	
PCCM	Crazy Canyon	
PCDR	Punta Cana, DR	
PCDRA	Caldas da Rainha	
PCED	Cedros	
PCEP	Pierce County East Precinct	
PCF	Pomona	
PCFR	Pierce County Firing Range	
PCG	Pacaya	
PCG2	Volcan de Pacaya, Repetidora Emisoras Unidas	
PCG4	Fina el amate	
PCG5	San Vicente Pacaya, Escuintla	
PCGM	Cerro Alto Campground	
PCH	Pirque	
PCH0	Portachuelo - Peru	
PCHF	Pas de la Coche	
PCHI	Peechi	
PCHMX	Agua Dulce, PCH	
PCHP	Portachuelo	
PCHR	PETRACHIOAIA	
PCHS	Pakhachi	
PCI	Palu	
PCID	Pole Creek	
PCIG		
PCJ	Portland Cottage	
PCJI	Pacitan	
PCJM	Pabuaran, Jawa Barat	
PCL	Pacheco Lake	
PCLB	Port Clements	
PCM	Pelee Case Petit	
PCMB	Pacaembu	
PCMD	Pierce County Mountain Detachment	
PCMM	Cholame Hills	
PC-MS	Picayune	
PCMT	Pistol Creek	
PCN	Piacenza	
PCNC	Picinisco	
PCND	Candelaria	
PCNE	Platte Center	
PCNG	Congro	
PCNV	San Giusto Canavese	
PCO	Ponca City	
PCOI	Coimbra	
PCON	Cinco Dias	
PCOS	Crockett Middle School (Pecos)	
PCOU	Corrie	
PCP	Piancastagn	
PCPH	Palayan	
PCPS	Palayan City	
PCR	La Plaine Cafres	
PCRA	Pucara 2	
PCRI3	Pocri, Los Santos	
PCRM	Curry Mountain	
PCRO	Pietralacroce	
PCRP	Carpino	
PCRV	Puerto La Cruz	
PCRZ	Pico da Cruz	
PCS	Paracas	
PCT	Pak Chong	
PCTB	Pacatuba, Sergipe, Brazil	

Code	Station Name	Other
PCTE	Casalborsetti	
PCU	Price	
PCVE	Castro Verde	
PCWC	Offshore Ravenna	
PCWT	Offshore Ravenna	
PCY	Pole Canyon	
PCYT	Pengchaiyu	
PCZAN	Manzana , Plaza de Cais	
PD-	Princeton	PD-BC
PD01	Pinedale Array Site 1	
PD02	Pinedale Array Site 2	
PD03	Pinedale Array Site 3	
PD04	Pinedale Array Site 4	
PD05	Pinedale Array Site 5	
PD06	Boulder Array	BW06
PD07	Pinedale Array Site 7	
PD08	Pinedale Array Site 8	
PD09	Pinedale Array Site 9	
PD10	Pinedale Array Site 10	
PD11	Pinedale Array Site 11	
PD12	Pinedale Array Site 12	
PD13	Pinedale Array Site 13	
PD31	Pinedale Array Site 31	PDAR
PD32	Pinedale Array Site 32	
PDA	Ponta Delgada	
PDAR	Pinedale Array Beam Ref. Point	
PDB	Pedro Bay	
PD-BC	Princeton	
PDC	Pieve di Cadore	
PDCAN	Manzana , Fuente del Carmen	
PDCR	Pedra do Cavalo	
PDD	Puy-de-Dome	
PDDM	Pindari Dam	
PDE	Pardee, Santa Clarita	
PDEM	Puerto del Eden	
PDG	Podgorica	TTG
PDGK	Podgornoye	
PDHT	Panda Hill	
PDI	Porto d'Ischia	
PDIAR	Pinedale Infrasonic Array Beam Reference Point	
PDIG	Papasquiaro	
PDK	Podkova	
PDKS	Podkum	
PDLI	Pekat, Nusa Tenggara Barat	
PDMC	Merrill Creek	
PDMCI	Parker Dam,Lake Havasu City	
PDMV	Paramo Marino	
PDN1	Bardolino, Italy	
PDN2	Pescantina	
PDN3	Tremosine Garda	
PDN4	Desenzano Garda	
PDN5	Isola della Scala	
PDN6	Gardone Riviera	
PDN7	Negrar, Montecchio	
PDN8	Dolc	
PDNS	Pedernales	
PDO	Prodromos	
PDP	Pandan	
PDPR	Patillas Dam, Puerto Rico	
PDRA	Piedra	
PDRB	Porto dos Gachos, MT	
PDRG	Pedrogo	
PDRM	Domengine Ranch	
PDRR	Padureni	
PDSI	Padang	
PDTN	Piedmont	
PDTT	Paso de los Toros, Tacuaremb	
PDUI	Pindiu	
PDY	Peleduy	
PDY31	Peleduy Array Site 31	
PDYA0	Peleduy Array Site A0	
PDYA1	Peleduy Array Site A1	
PDYA2	Peleduy Array Site A2	
PDYA3	Peleduy Array Site A3	
PDYAR	Peleduy Array Beam Reference Point	
PDYB1	Peleduy Array Site B1	
PDYB2	Peleduy Array Site B2	
PDYB3	Peleduy Array Site B3	
PDYB4	Peleduy Array Site B4	
PDYB5	Peleduy Array Site B5	
PE-	Pineville	PE-WV
PE01E	Kouteli, PE01	
PE02E	Kaliani, PE02	
PE03E	Pteri, PE03	
PE04E	Arkadiko, PE04	
PE05E	Neochori, PE05	
PE07E	Leonidio, PE07	
PE1	Pezze di Greco (BR)	
PE3	Peglio	
PEA	Pea Ridge	
PEA0	opavlovsk-Kamchatskiy kiy Array Site A0	
PEA0B	opavlovsk-Kamchatskiy kiy Array site AOB	
PEA1	opavlovsk-Kamchatskiy kiy Array Site A1	
PEA2	opavlovsk-Kamchatskiy kiy Array Site A2	
PEA3	opavlovsk-Kamchatskiy kiy Array Site A3	
PEAR	Peavine Mountain	
PEARS	PEARSTON	
PEB	Petersbachel	
PEB1	opavlovsk-Kamchatskiy kiy Array Site B1	
PEB2	opavlovsk-Kamchatskiy kiy Array Site B2	
PEB3	opavlovsk-Kamchatskiy kiy Array Site B3	
PEB4	opavlovsk-Kamchatskiy kiy Array Site B4	
PEB5	opavlovsk-Kamchatskiy kiy Array Site B5	
PEBM	Pemiscott Bayou	
PEC	Perris	
PECH	Pedro de Valdivia	
PECO	Prince Edward County	
PECR	Pechory	
PECS	Pecos	
PECU	Ecuador Network	
PECV	Mancha de Ca Pechiches	
PED	Pedro Cerda	
PEDA3	Pedasi	
PEDE3	Pedregal, Chiriqui	
PEDR	Pedernales	
PEEC	Peel Forest	
PEFK	Dio Pefka	
PEG	Perugia	PRG
PEH	Beibei	
PEHC	Pehcevo	
PEI	Peine	
PEIC	El Pital	
PEIG	Puerto Escondido	
PEJA	Penjamo Buenos Aires de Upala	
PEJI	Pejibaye, Turrialba	
PEJK	Peje	
PEK	Beijing	BJI
PEL	Peldehue	
PELI	Kastamonı-Ara	
PEM	Pine Mountain	
PEMC	Merrill Creek	
PEMO	Pembroke	
PEN	Pensacola	
PENC	Penc	
PENI	Pendagan	
PENM	Chiapas	
PENMO	Penman	
PENR	Ponce-Enriquez	
PENT	Pentalofos	
PENW	Penwortham, SA	
PEO	Puerto Escondido	
PEP	Pantabangan	
PEPO	Popt°n, Petn	
PER	Perth	
PER1	Peristeri Attica	
PERF	Col du Perthus	
PERI	Perivolia Chania	
PERL	Pearl BPA Site DOGAMI SMO	
PERS	Pernice	
PERT	Persembe	
PERV	Siirt/Pervari-Merkez	
PES	Peshawar	
PES2	opavlovsk-Kamchatskiy kiy Array site S2	
PESA	Pesaro	
PESC	Pescadero	
PESCX	Ej. Pescaderos	
PESE3	Pese, Herrera	
PESR	Pesaro	
PESTR	Estremoz	
PET	Petropavlovsk	
PET01	Itanhaem-SP	
PET1	Petalidi	
PET2	Petatlan	
PET25	Pettoranello del Molise	
PETE	Peter Faust Dam	
PETF	Flores	
PETK	opavlovsk-Kamchatskiy kiy Array site P	
PETL	Petrolia	
PETR	Petresti	
PETRA	Petralia Soprana	
PETS	Petropavlovskoye	
PEUT	Richfield	
PEV	Pleasant Valley	
PE-WV	Pineville	
PEX	Puerto Escondido	
PEXB	Peixe	
PEZE	Perez Zeledon, Campus UNA, Perez Zeledon, San Jose	
PEZZA	Forte Petrazza	
PF-	Pickford	PF-MI
PF6	Pievefavera	
PFA	Pierce Ferry	
PFAD	Fenais da Ajuda	
PFAFF	Pfaffnau Reservoir	
PFARO	Faro	
PFAS	Porirua Free Ambulance Depot	
PFAV	Pico das Favas	
PFB	Port Renfrew	
PFBR	Pau dos Ferros	
PFBV	Barranco	
PFCBR	Castelo Branco, Faial, Azores	
PFET	Feteiras	
PFFO	Foia	
PFH	Pahoa Fire House	
PFKS	Pefkos, Heraklion	
PFMC	Merrill Creek	
PFMF	Monte Figo	
PF-MI	Pickford	
PFO	Pinyon Flats Observatory	
PFPE	Pera	
PFR	Pine Flat Road	
PFSB	Sao Bartolomeu	
PFSC	Santa Clara	
PFVI	Vila Bisbo	
PG-	Prince George	PG-BC
PG27	Guanacaste Province	
PG2BC	Prince George	
PGA	Paragould	
PGA1	Puerto Gaitan 1, Meta	
PGA3	Puerto Gaitan 3, Meta	
PGA4	Puerto Gaitan 4, Meta	
PGA5	Puerto Gaitan 5, Meta	
PGAV	Gavieira, Arcos de Valdevez	
PGAZ	Page	
PGB	Panagyurishte	
PGBAU	Baubata	
PG-BC	Prince George	
PGBU	Glenifferbraes	
PGC	Sidney	
PGD	Poggio Sodo	
PGE	Panamint Range	
PGEL	Pantelleria Gelfiser	
PGF	Pioggiola	
PGFS	Porangahau Fire Station	
PGG	POGGIO PICENZE	
PGHD	Pantelleria Serra Ghirlanda	
PGHM	Gold Hill	GHC
PGKAI	Kaiamu	
PGM	Pleasant Grove	
PGMAR	Marapu	
PGMG	Pignataro Maggiore	
PGMS	Petone Municipal Building	
PGN	PIGNATARO	
PGN3	Pignola, Italy	
PGO	Gresham	
PGOM	Puerto del Gallo	
PGOR	Pogoanele	
PGP	Puerto Galera	
PGRA	Graciosa	
PGRO2	Bucuresti	
PGRON	Lagoa das Contendas	
PGS	Pagosa Springs	
PGSN	Poggio Sannita	
PGVM	Portageville	
PGW	Port Gamble	
PGWM	Grace West	
PGX	Piedras Gordas	
PGY	Peter Gray Mountain	
PGZ	Pongaroa	
PH01	Abilates	
PH02	Texas Public Hunt System CROSS BAR MGMT. AREA	
PH03	Pantex	
PH04	Fire Station 11	
PH2NV	Pahute Mesa Site	
PH3NV	Pahute Mesa Site	
PH4NV	Pahute Mesa Site	
PHA	Port Heiden	
PHAM	Harlan Ranch	
PHAP	Phaplu	
PHB	Parliment House Basement	
PHBM	Huron Fishing Bridge	
PHC	Port Hardy	
PHCM	Hearst Castle	
PHDHD	Phuduhudu	
PHDM	Pipehead	
PHEL	Phelps	
PHET	Kaeng Krachan	
PHFM	Heflinger Ranch	
PHG	Guadaloupe-2	
PHGM	Hog Canyon	
PHH	Puu Huluhulu	
PHHS	Point Howard	
PHI	Philadelphia	
PHID	Phidim	
PHILP	Philips Town, Northern Cape	
PHIT	Phitsanulok	
PHL	Hel	
PHN	Pohang	
PHNC	Paralimni	
PH-NV	Pahute Mesa Site	
PHO	Puu Honuaula	
PHP	Peshkopia	
PHPEN	Phepeng	
PHPI	Puyuhuapi	
PHPM	Hope Ranch	
PHPU	Puebla	
PHRA	Phrae	
PHRM	Hernandez Valley	HVC
PHSA	Palmer High School	
PHSB	Hesperia Broadband	
PHSM	Hesperia	
PHSR	Pinarhisar	
PHUB	P'eng-hu	
PHW	Phalaborwa	
PH-WA	Pomeroy	
PHWY	Pilot Hill	
PHWY1	Pilot Hill -- Preliminary Site	
PHYB	Yellowpoint	
PI-	Pinedale	PI-WY
PI1	Pinedale	
PI2	Pinedale	
PI2WY	Pinedale	
PI3	Pinedale	
PI4	Pinedale	
PI5	Pinedale	
PI6	Pinedale	
PI7	Pinedale	
PIA	Pitten	
PIAC	Piriac/mer	
PIAF	les Granges de la Pia - Tende	
PIAM	Paiam	
PIAR	Artigas	
PIAT	Ana Tenorio	
PIB	Pender Island	
PIBC	Piobbico	
PIC	Picacho Peak	
PIC2	El Picacho	
PICA	La Picada, Volcan Turrialba	
PICH	Pichilemu	
PICHH	PICH	
PICM	Parigi Utara, Sulawesi Tengah	
PICO	Pico	
PICP	Pikit	
PICS	Picacho	
PICV	PH. Pirrs	
PID	Ribeirinha	
PIDGE	Terre Adelie	
PIE	Pietermaritzburg	
PIEC	Cerro El Cedral	
PIED	Piedade	
PIEI	Pieia	
PIER	Pier 30 Seattle	
PIET	Pietralunga	
PIG	Pigeon Point	
PIGI	AfricaArray/PSU - ZP	
PIGN	Pignataro Maggiore	
PII	Pisa	
PIJI	JIPIJAPA 3	
PIL	Pilar	
PILA	PATRICIA PILAR	
PILE	Guapiles	
PILG	Pilgrimsrest, Mapumalanga, South Africa	
PILO	Pilon	
PIM	Presa Infiernillo	
PIMB	Pitt Meadows	
PIN	Pinedale	
PINA	Piqa, Costa Abajo de Colsn	
PINB	Pinarbasi	
PINC	Pinares de Mayari	
PINE	Pine Mountain Observatory	
PING	Pingelly	
PINGU	Terre Adelie	
PINI	Pine Creek	
PINJ	Naranjito (Quepos)	
PINL	Point Pinole Regional Park (East Bay Regional Park) California	
PINM	Pinnacle	PCA
PINNC	Pines Island, New Caledonia	
PINO	Pino	
PINOR	Pine Mountain	
PINP	Pinatubo--East Slope	
PINR	Pinar	
PINT	Los Pintados	
PINU	Pond Inlet	
PIO	Pinotepa	
PIO1	Pioraco	
PIOH	Piqua	
PIORA	Tunnel	
PIP	Pasuquin	
PIPA	Pietrapaola	
PIPS	Aotea Quay Pipitea	
PIPTJ	Tijuana	
PIR	Pirmasens	
PIR1	PIREAS,	
PIR2	Faliron Pireas	
PIR3	Pireas	
PIRH	Pier house	
PIRM	Iverson Ranch	
PIRO	Carate, Puerto Jimenez, Puntarenas	
PIS	Pisa	
PIS1	Pisayambo	
PISA	Pisayambo	
PISJ	San Jernimo (Tarrazu)	
PIT	Pittsburgh	
PIT6	Pit6, Burney, CA USA	
PITA	Cotopaxi Volc (N)	
PITB	Pirrs, San Marcos	
PITK	Pitkyaranta	
PITL	Pitlochry	
PIU	Piute Mountains	
PIV	Piva	
PIVM	Indian Valley	
PIVO	Bartosovice	
PI-WY	Pinedale	
PIX	Pinacate	
PIZC	Pizarro, Choco	
PJC	Pensacola State College	
PJD	Pedro Dome	
PJG	Potts Junction	
PJLM	Jolon Road	
PJ-PA	Pottstown	
PJRM	Jolon Road	JOL
PJUM	Juniper Ridge	
PK-	Pilot Rock	PK-OR
PK1	Gold Hill	GHC
PK2	Work Ranch	WKR
PK3	Taylor Ranch	TRC
PKA	Prieska	
PKAZ	Pukeatua	
PKB1	Eloszallas	
PKB2	Akaszto	
PKB3	Csaszartoltes	
PKB4	Kolesd	
PKB5	Pusztahencse	
PKC	Peckham Road	
PKCI	Lainea, Sulawesi Tenggara	
PKCU	Pink Cliffs	
PKD	Bear Valley Ranch, Parkfield	
PKD1	Parkfield	
PKDT	Phuket	
PKE	Pukeiti	
PKEM	Kettleman Hills	
PKF	Parkfield Array	
PKGN	Cerro Pekin	
PKGZ	Pakihiroa	
PKH	Park Hill	
PKI	Pulchoki	
PKIN	Phulchoki	
PKJI	Paninggaran, Jawa Tengah	
PKJM	Pasawahan, Jawa Barat	
PKK	Porkkala	
PKKI	Palangkaraya	
PKKY	Potato Knob	
PKL	Puu Kaliu	
PKLM	Kerr Lake	
PKLO	Pickle Lake	
PKM	Mcpherson Peak, Los Olivos	
PKME	Peaks-Kenny Pk	
PKMR	Pachkamar	
PKN	Parkers Pond	
PKNC	Pores Knob	
PKNY	Stone Ridge	
PKO	Pickens	
PK-OR	Pilot Rock	
PKR	Le Roux Dam	
PKRO	Pickering	
PKS2	Kecel	
PKS3	Solt	
PKS4	Mecseknadasd	
PKS5	Helvecia	
PKS6	Bocsa	
PKS7	Kunszentmiklos	
PKS8	Sarbogard	
PKS9	Tamasi	
PKSC	Csakvar	
PKSG		
PKSI	Pagar Alam Utara, Sumatera Selatan	
PKSM	Moragy	
PKSN	Nyarlorinc	
PKST	Ts	
PKT	Phuket	
PKVZ	Pokaka	
PKYU	Pakayacu	
PL01A	Wolosate	
PL02A	Telesnica	
PL03A	Laszki	
PL04A	Chotylub	
PL05A	Smolnik	
PL06A	Jurowce	
PL07A	Lopuszka	
PL08A	Biszcza	
PL09A	Cieklin	
PL10A	Polomia	
PL11A	Sokolow	
PL12A	Jamnica	

Code	Station Name	Other
PL13A	Ptaszkowa	
PL14A	Burzyn	
PL15A	Kielkow	
PL16A	Smerdyna	
PL17A	Szczawa	
PL18A	Lazy	
PL19A	Medrzechow	
PL21A	Raba	
PL22A	Kornatka	
PL23A	Klimontow	
PL24A	Szczyrk	
PL25A	Witanowice	
PL26A	Myslowice	
PL27A	Pawlowice	
PL28A	Chudow	
PL30A	Mokre	
PL31A	Rzuchow	
PL32A	Witow	
PLA	Palau	
PLA1	Pilaia Thessaloniki	
PLAC	Placanica	
PLAGO	Lagos	
PLAI	Plampang	
PLAJ	Lajes	
PLAL	Pickwick Lake	
PLAN	Los Planes de Bahia Drake, Puntarenas	
PLAR	PLOIESTI	
PLAT	Plata	
PLATJ	Playas de Tijuana	
PLAV	Platillon	
PLAY	Playas-San Antonio	
PLAZ		
PLB	Puerto Libertad	
PLBC	Pleasant Camp	
PLBL	Peulik Blue Creek	
PLC	Palomares Road	
PLC1	Palaiochora Chania	
PLCA	Paso Flores	
PLCV	Puerto La Cruz	
PLD	Plovdiv	
PLDF	La Plantade	
PLE	Pljevlja	
PLEC	Pleito Hills	
PLEF	Pleven - 22200 - Ctes-d'Armor - Bretagne - France	
PLEF1	Polanco del Yi	
PLEV	Plevrona-Mesologi	
PLG	Polygyros	
PLH	Pulheim	
PLI	Panarea	
PLI2	Pozzilli	
PLIB	Puerto Libertad	
PLID	Pearl Lake	
PLIG	Platanillo	
PLIO	Pelee Island, Stone Alvar Conservation Area	
PLIT	Plitvice	
PLJI	Plosoklaten, Jawa Timur	
PLK1	Peulik 1	
PLK2	Peulik 2	
PLK3	Peulik 3	
PLK4	Peulik 4	
PLK5	Peulik 5	
PLKI	Palangkaraya	
PLL	Puu Ulaula	
PLLN	Pollina	
PLM	Palomar	
PLM1	Plomari	
PLMA	Palmaria, Porto Venere	
PLMAC	Candelaria, PLMA	
PLMC	San Jos del Palmar, Choc	
PLMI	Pala-Maneri	
PLML	Palmela	
PLMO	Planta Morelos	
PLMR	Palmer	
PLN	Plauen	
PLN1	Chaniotis	
PLNA	Plana	
PLO	Pochutla	
PLOF	Ploemeur	
PLOM	Lone Oak Road	LRC
PLONS	Plons/SG	
PLOR	Plostina	
PLOR1	Plostina Array site 1	
PLOR2	Plostina Array site 2	
PLOR3	Plostina Array site 3	
PLOR4	Plostina Array site 4	
PLOR5	Plostina Array site 5	
PLOR6	Plostina Array site 6	
PLOR7	Plostina	
PLOU	Loures	
PLOUS	Minas do Lousal	
PLP	Palo	
PLPB	Palo	
PLPT	Palo Pinto	
PLR	Palermo	
PLR1	Paliouri	
PLRM	Palmer USGS	PMR
PLRN	Geotermica Polaris Volcan Telica	
PLRO	Paularo	
PLS	Point Lisas	
PLS3	Ploiesti	
PLSI	Pangkalan Koto Baru, Sumatera Barat	
PLSM	Sosa, Sumatera Utara	
PLT	Pilot Knob	
PLTA	Palata	
PLTB	Pedras Altas	
PLTM	Poltava	
PLTR	Poltavka	
PLTX	Planet X, Gerlach	
PLU	Palu	
PLUM	Mont Dore	
PLUZ	Luz	
PLV	Phu-Lien	
PLVA	Point Lookout	
PLVAM	Vidin	
PLVB	Pleven	
PLVN	Polovinka	
PLVO	Plevna	
PLVR	Palo Verde	
PLWL	Peulik Whale Mountain	
PLWZ	Palliser	
PLX	Puerto Libertad	
PLY	Plymouth	
PLYF	Puligny Montrachet	
PLYM	Plymouth	
PLZ	PALAZZOLO ACREIDE	
PLZA	Paluzza	
PM-	Pole Mt.	PM-WY
PMA	Port Moller	
PMAD	Madalena	
PMAFR	Mafra	
PMAM	samho	
PMAN	Manadas	
PMAQ	Port Menier	
PMAR	Madeira	
PMAT	Coroa da Mata	
PMB	Pemberton	
PMBG	termaritzburg,KwaZulu lu Natal	
PMBI	Palembang	
PMC	Poorman Mine	
PMCB	Calebasse	
PMCH	Puerto Montt	
PMCI	Pasangkayu, Sulawesi Barat	
PMCM	McMillan Canyon	
PMD	Palm Desert	
PME	Palmer East	
PMG	Port Moresby	
PMGM	Santa Margarita	
PMGR	Mogosoaia	
PMJU	Montehunto	
PMK	Pointe Molloy	
PML	Morne Lenard	
PML3	Paraiso	
PMLM	Mount Lospe	
PMM	Presa Malpaso	
PMMC	Merrill Creek	
PMMI	Pulau Makian, Maluku Utara	
PMN	Pahute Mesa	
PMNB	Patos De Minas	
PMNM	munnae	
PMO	Pomariorio	
PMON	Piamonte	
PMONC	Monchique	
PMOR	Pomariorio Reef	
PMOS	Mosteiros	
PMOZ	Porto Moniz, Madeira	
PMP	Pompeii	
PMPB	Monarch Peak	
PMPM	Monarch Peak	MOP
PMPS	Porto Santo	
PMPST	Porto Santo, Madeira	
PMR	Palmer	
PMRF	Poiana Mare	
PMRM	Maxey Ranch	
PMRV	Marvo	
PMS	Palmer South	
PMSA	Palmer Station	
PMSI	Majene	
PMST	Lisbon--Monsanto	
PMSU	Muirshiel	
PMT	Pine Mountain	
PMTG	Montargil	
PMUV	Sontecomapan	
PMV	Pico Espejo	
PMVM	Nuevo Madin	
PMW	Pole Mountain	
PM-WY	Pole Mountain	
PN-	Pine Creek	PN-OR
PN1	Presa Penitas 1	
PN2	Presa Penitas 2	
PN3	Presa Penitas 3	
PN4	Presa Penitas 4	PORM
PN6	Pavlof North-6	
PN7A	Pavlof North-7A	
PNA	Partacoona	
PNAL	Ponte nelle Valli ARPAV	
PNB	Pomio	
PNBI	Panbari	
PNBR	Petit-Nobressart	
PNBS	Palmerston North Boys High School	
PNC	Pine Canyon	
PNCB	Parque Nacional Cabo Blanco, CR	
PNCL	Nicolau / Grandola	
PNDA	Mpanda	
PNE2	Playa Negra, Guanacaste	
PNG	Penghu	
PNH	Pitcher Mountain	
PNHZ	Pukenui	
PNI	Pinerolo	
PNIG	Pinotepa	
PNJ	Paterson	
PNK	Pinkham Creek	
PNL	Peninsula	
PNLK	Pine Lake Middle School	
PNM	PONTREMOLI	
PNMC	Pinto Mountains	
PNME	Penonome	
PNMM	Union City	
PNMS	Monrad Intermediate School	
PNN	Pinnacle Mountain	
PNNI	Pennabilli	
PNO	Pendleton	
PN-OR	Pine Creek	
PNOR2	Nordeste	
PNP	Penuelas	
PNPB	Parque Nacional Piedras Blancas, Golfito	
PNPO	Pukaskwa National Park	
PNR	Penrod	
PNRS	Palmerston North Roslyn School	
PNS	Penas	
PNSH	Pansheti	
PNT	Penticton	
PNT3	Piatra Neamt	
PNT3S	Drohobych	
PNT4	Drohobych	
PNT5	Drohobych	
PNTK	Humanggian	
PNTR	Pine Nut	
PNUA	Pueblo Nuevo de la Aldea, Limon	
PNUE	PNUE	
PNVM	Presa Marin	
PNY	Plattsburgh	
PNZ	Plattsburgh	
PO-	Post	PO-TX
PO9	Polino	POI
POA	Poas	
POA2	Poas 2	
POA5	Crater Von Franzius, Volcan Poas	
POAS	San Pedro de Poas	
POAT	Poatina	
POB	Polly Butte	
POB1	Observatory	
POB3	Pozo 3, Borinquen	
POBI	Pontebba	
POBL	Monestir Poblet	
POBM	Portage Bay	
POC	La Pocatiere	
POCA	Pocatky	
POCCA	Poleta Canyon	
POCN	Pocone	
POCR	Potenciana 2	
POCW	Potky	
PODE	Poderiste	
PODR	Polo	
POE	Porton East	
POF	Pofadder	
POFI	Posta Fibreno	
POG	Pongola	
POGA	Pongola	
POGM	Potrero Grande	
POGR	Pogradec	
POH	Pohoiki	
POHA	Pohakuloa	
POHV	Veracruz	
POI	Polino	
POIN	Pond Inlet	
POIZ	Poihipi	
POK	Puuokali	
POKR	Poker Plat Research Range	
POKS	Katoa Kindergarten	
POL	Pola	
POL1	Poligiros	
POL1C	Argaka	
POL2C	Argaka (School)	
POL3C	Gialia	
POL4C	Chrysochou	
POL5C	Polis Chrysochou	
POL6C	Polis Chrysochou Centre	
POL7C	Prodromi	
POLA	Polatlı, Ankara	
POLC	Polcenigo	
POLL	Polichno	
POLN	Al Sur del Volcan Telica	
POLO	Lamas de Olo	
POLP	Polilio Island	
POLS	Porirua Library	
POLY	Polykladiko Chania	
POM	Pomona	
POMOR	Pomortsevo, Kuzbass, Russia	
PON	Ponce	
POND	Pondoa	
PONG	Pong	
PONT	Pont de Suert	
PONU3	Ponuga, Veraguas	
PONY	Stone Ridge	
POO	Poona	
POOP	Poopo	
POP	Popondetta	
POPB	Porto Primavera	
POPC	Popayan, Colombia	
POPE	POPE, Guanacaste	
POPM	Popiglio	
POPR	Popesti-Leordeni	
POR	Portland	
PORA	Boryeong	
PORC	Porcupine Ridge, Modoc National Forest, Alturas, CA USA	
PORG	Portuguese Creek	
PORM	Chiapas	
PORMA	Terre Adelie	
PORP	Portuguez	
PORS	Port of Spain	
PORT	Chimborazo Volcano	
PORTQ	Porto Quipiri, Bengo	
POS	Porton South	
POSA	Carate, playa Osa	
POSS	Possen	
POST	Post	
POT	Potsdam	
POT2	Potabilizadora Mexicali	
POT7	POTENZA PROVINCIA	
POTA	Wellington Pottery Association	
POTG	Potrero Grande, Buenos Aires, Puntarenas	
POTN	Potosi Cosiguina	
POTR	Potrero Hills, Fairfield	
POTS	Potsdam Coll	
POTV	Potrerito	
POTX	Potabilizadora X. Mexicali	
PO-TX	Post	
POU	Pouilloux	
POVGA	Lagoa	
POW	Powhatan	
POWD	Powder case	
POWZ	Post Office Road	
POYO	Poyo	
POZO	Pozo Almonte	
POZS	Pozzuoli Solfatara	
POZT	Pozzuoli Rione Terra	
PP-	Pipestone	PP-MN
PP02	Calachota	
PP03	Condor	
PP04	Saramarca	
PP05	Tocota	
PP06	Puquio	
PP07	Ayacucho	
PP08	Chalhuanca	
PP09	Villa El Salvador	
PP10	Ancon	
PP16	Cajamarca	
PP1B	Ponte de Pedra	
PP3	Marolino	
PPA	Pie de Palo	
PPAD	Pico dos Padres	
PPAX	Atlixo	
PPB	Philisteinsche Polder	
PPB1	Philisteinsche Polder (Bergen)	
PPB2	Philisteinsche Polder (Bergen)	
PPB3	Philisteinsche Polder (Bergen)	
PPB4	Philisteinsche Polder (Bergen)	
PPBI	Pangkal Pinang	
PPC	Pine Pass	
PPCL	Tochimilco	
PPCM	Patampanua, Sulawesi Selatan	
PPCU	Popocatapetl	
PPCY	Paphos	
PPD	Presidente	
PPDR	Puerto Plata	
PPE	Popeni	
PPF	PLOIESTI	
PPFM	Parkfield Array	PKF
PPH	Pasian Peak	
PPHS	Papanui	
PPHYL	Hylton High School	
PPI	Padang Panjang	
PPIG	Popocatepetl	
PPJ	Porto Judeu	
PPK	Piper Mountain	
PPL	Puu Pili	
PPL1	Portopalo di Capopassero	
PPLA	Purkeypile	
PPLI	Punduh Pedada, Lampung	
PPLM	Point Pleasant	
PPLP	Puerto Lpez	
PPM	Popocatepetl	
PP-MN	Pipestone	
PPN	Papenoo	
PPNM	Papanoa	
PPNO	Prainha do Norte	
PPO	Portuguese Canyon 2	
PPOM	Papayo	
PPOR	Portimao	
PPOV	Povoao	
PPPT	Popocatepetl	
PPR	Puerto Princesa	
PPRM	Paso Robles	
PPS	Pierpont	
PPS1	Pattan	
PPSA	Petersburg Public Schools	
PPSI	Pulau Pagai	
PPSM	Pesisir Selatan, Lampung	
PPSX	Xalitzintla	
PPT	Papeete	
PPT2	Papeete2	
PPTF	Pamatai, Papeete	
PPTM	Peach Tree Valley	PTV
PPU	Promontory Point	
PPV	Praia da Vitria	
PPXB	Puerto Peasco	
PPYK	Woodland Mills	
PPZ	Puysegur Point	
PQ0	Cooper Hill	
PQ1	East Ridge	
PQI	Presque Isle	
PQ-ID	Preston	
PQL	Pirkuli	
PQN	Pahaquarry	
PQSS	Presa 15 de Septiembre	
PR-	Palmyra I.	PR-IS
PR01	Verghereto (FC)	
PR02	Localit Poggio-Vacaldola (Sant'Agata Feltria – RN)	
PR05	Cuzco--Tambomachay	
PR0R	Verkhnechusovskiye Gorodki	
PR11	Kitumbeine SS	
PR1R	Pomanovo	
PR2R	Dobryanka	
PR31	Engaruka Boma	
PR32	Iloiriento PS	
PR33	Engutoto Boma	
PR3R	Kungur	
PR41R	Vlasy Permskiy Kray Russia	
PR4R	Vlasy	
PR52	Alailelai Boma	
PR53	Nayobi Boma	
PR5R	Perm'	
PR61	Kiloki Boma	
PR62	Oldupai Boma	
PR63	Meshili Boma	
PR6R	Ekimyata	
PR7R	Sarany	
PRA	Prague	
PRAC	Prado	
PRAF	Pradon	
PRAM	Casa Patricio Ramon - Quito	
PRAR	RASCA	
PRAS	Prasinada,E.Macedonia,Greece	
PRAV	El Prado	
PRC	Point Reyes	
PRCH	Ribeira Ch	
PRCM	Roach Canyon	
PRD	Provadia	
PRDA	Priddis	
PRDM	Moni Osiou Serafim, Boeotia	
PRE	Pretoria	
PRE2	Preveza	
PRED	Cave del Predil	
PREO1	Preonzo, Alpe di Roscioro, Stable 1, TI	
PREO2	Preonzo, Alpe di Roscioro, Unstable, TI	
PREO3	Preonzo, Alpe di Roscioro, Stable 2, TI	
PREO4	Preonzo, Alpe di Roscera stable 3, TI	
PREO5	Alpe di Rosciora stable-part 5, Preonzo, TI	
PREZ	Palmer Road	
PRF	Porvoo	
PRF0	Thessaloniki Prefecture D.H.	
PRF1	Thessaloniki Prefecture	
PRF2	Region of Thessaloniki	
PRG	Perugia	
PRGA	Parga	
PRGF	Pas du Roy	
PRGL	Pergola	
PRGP	PERUGIA PALAZZO PRIORI	
PRGR	Permogore	
PRGV	PARIAGUAN	

Code	Station Name	Other
PRGZ	Paritu Road	
PRHZ	Porangahau	
PRI	Priest	
PRIB2	Ribeirinha	
PRIC	Primda	
PRIG	Ribeira Grande	
PRIJ	Prijedor	
PRIMX	San Gabriel, PRI	
PRIN	Princeton	
PR-IS	Palmyra Island	
PRISO	Paraso	
PRJ	Port Royal	
PRJI	Pracimantoro, Jawa Tengah	
PRK	Paraskevi	
PRL	Portalegre	
PRLH	Pirallahi	
PRLK	Prince Lake	
PRLS	Pirkuli	
PRM	Parsons Mountain	
PRMA	PARMA	
PRMD	Pramanda	
PRME	Premilcuore	
PRN	Pahroc Range	
PRNI	Paran	
PRNN	Paranan	
PRNS	Prines Rethymno	
PRNT	Paranatinga-MT	
PRNY	Paleo Inst,Ithaca	
PRO	Pesaro	
PROB	Probstei Buchholz	
PROD	Prodromos	
PROF	Poudrerie royale de Saint-Chamas	
PROG	El Progreso, Chiriqui	
PROQ	So Roque	
PROV	Provideniya	
PRP	Porcupine Dome	
PRPB	Parauapebas	
PRPC	Pages Road Pumping Station	
PRR	Perris	
PRRZ	Plateau Road	
PRS	Paraiso	
PRS1	Puriscal	
PRS2	Peris	
PRSB	Persembe-Ordu	
PRSC		
PRSI	Pelalawan, Riau, Sumatera, Indonesia	
PRSN	Puerto Rico Seismic Network	
PRST	Prospect	
PRT	Prato-Toscana	
PRT2	PRT2	
PRTR	Priterechnaya	
PRTV	Porterville,Western Cape	
PRU	Pruhonice	
PRV	Porvoo	
PRVC	Isla de Providencia	
PRVG	Vayda Guba	
PRVR	Provideniya	
PRVS	Prvonek	
PRW	Prosser	
PRWZ	Pori Road	
PRY	Parys	
PRYA	Perryville	
PRYF	Perigny	
PRYS	Parys	
PRZ	Przheval'sk	
PRZA	Preza	
PRZK	Prizren	
PS001	Antigua, Sacatepquez	
PS009	PESCO SANNITA	
PS01	TAPS Pump Stn	
PS04	TAPS Pump Stn4	
PS05	TAPS Pump Stn5	
PS06	TAPS Pump Stn6	
PS07	TAPS Pump Stn7	
PS08	TAPS Pump Stn8	
PS09	TAPS Pump Stn9	
PS1	Pesaro	PRO
PS10	TAPS Pump St10	
PS11	TAPS Pump St11	
PS12	TAPS Pump St12	
PS1A	Pavlof South-1A	
PS4	Pavlof South-4	
PS4A	Pavlof South-4A	
PSA	Petersburg	
PSA00	Pilbara Seismic Array Element 00	
PSA1	Psathopyrgos	
PSAA1	Pilbara Seismic Array Element A1	
PSAA2	Pilbara Seismic Array Element A2	
PSAA3	Pilbara Seismic Array Element A3	
PSAB1	Pilbara Seismic Array Element B1	
PSAB2	Pilbara Seismic Array Element B2	
PSAB3	Pilbara Seismic Array Element B3	
PSAC1	Pilbara Seismic Array Element C1	
PSAC2	Pilbara Seismic Array Element C2	
PSAC3	Pilbara Seismic Array Element C3	
PSAD1	Pilbara Seismic Array Element D1	
PSAD2	Pilbara Seismic Array Element D2	
PSAD3	Pilbara Seismic Array Element D3	
PSAH	Psachna, Euboea Island, Greece	
PSAL	Palomas, Salto - UY	
PSAM	San Ardo	
PSAN	Santo Antonio	
PSANT	Santarm	
PSAR	Psari	
PSARD	Sardoal	
PSARO	Psaromita, Dorida	
PSB1	Pescosannita	
PSBA	Serra de Santa Barbara	
PSBE	So Bento	
PSBMU	Warwick Parish	
PSC	Isla de Pascua	
PSCA	Pantelleria Scauri	
PSCH	Puerto Saavedra	
PSCM	Serra do Cume	
PSCRZ	Santa Cruz da Graciosa, Aores	
PSD	Pescadero	
PSDA	Pessada-Kefalonia	
PSDB	Penn State University - DuBois	
PSDCH	Copt Hall	
PSDCN	Capuchin	
PSDM	Port of Spain, Disaster Management Unit	
PSDMA	Soufriere	
PSDMB	Cotton Hill	
PSDMZ	Portsmouth	
PSDPM	Pointe Michel	
PSEM	See Canyon	
PSET	Sete Cidades	
PSETU	Setbal	
PSF	Port Stanley	
PSG	Pto de San Jose	
PSG2	Pto San Jose 2	
PSGC	Pisagua	
PSGCX	Pisagua	
PSGH	Port of Spain General Hospital	
PSH	Peshawar	
PSHM	Shandon	
PSI	Prapat	
PSIM	Granatula de Calatrava, Ciudad Real	
PSINE	Sines	
PSJM	Pelabuhan Ratu, Jawa Barat	
PSK	Pskem	
PSKH	Kent House, Port of Spain	
PSL	Pistoia	
PSLI	Rajabasa P. Sibesi, Lampung	
PSM	Palmasola	
PSMA	Santa Maria	
PSMG	Mucurapo Girls' R.C. School, Port of Spain	
PSMK	Moka	
PSMM	Smith Mountain	
PSMN	Pico do Norte, Sta. Barbara	
PSN	Preselentsi	
PSNL	Port of Spain National Library	
PSNM	Stone Corral	
PSNS	PSNS Bremerton SMO	
PSO	Pasto	
PSOM3	Paja de Sombrero, Chiriqui	
PSP	Palm Springs	
PSQC	Port of Spain Queen's Royal College	
PSR	Paul Sauer Dam	
PSRA	Psara	
PSRC	Puddingstone Reservoir	
PSRM	Scobie Ranch	
PSRV	Vialonga--Serves	
PSSC	Serra do Socorro	
PSSM	Pematang Sawah, Lampung	
PST	Pasture Canyon	
PST3	Postiglione	
PSTA	Pistoia Genio Civile	
PSTM	Stockdale Mountain	
PSTO	Pasto	
PSTR	Posyet	
PSUB	Penn St. - Brandywine Campus	
PSUR	Point Sur Hydrophone	
PSUT	Pine Spring	
PSV	Pishtovo	
PSVI	Cabo S. Vicente	
PSVT	Puntarenas	
PSWB	Penn State Wilkes-Barre	
PSWS	West Secondary High School	
PSWY	Woodbrook Youth Facility, Port of Spain	
PSZ	Piszkesteto	
PSZI1	Piszkesteto infrasound array 1	
PSZI2	Piszkesteto infrasound array 2	
PSZI3	Piszkesteto infrasound array 3	
PSZI4	Piszkesteto infrasound array 4	
PT-	Pendleton	PT-OR
PT01	Morro Solar	
PT02	Quilmana	
PT03	Guadalupe	
PT04	Zamaca	
PT05	Jicamarca	
PT06	Pisco	
PT08	Suche	
PT09	Santa Fe	
PT10	Camacho	
PT11	Juni	
PT18	Porculla	
PT2	Point Dume	
PT20	Maychil	
PT21	Montanita	
PTA	Punta Arenas	
PTAC	Punta Ardita, Choc	
PTAM	Tassajara Creek	
PTAR3	Potrerillos Arriba, Chiriqui	
PTAV	Tavira	
PTAZ	Pataua North	
PTB	Point Barrow	
PTBC	PUERTO BERRIO, Antioquia	
PTC	Porto Cannone	
PTCA	Ponta do Capelo	
PTCC	Patocco-Chiusaforte	
PTCH	Petorca	
PTCL	Port Clarence	
PTCN	Pitcairn Island	
PTCO	Port Colborne	
PTCR	Potenciana	
PTCY	PUERTO CAYO	
PTD	Portland	
PTDI	Pataudi	
PTE	Portage	
PTEI	Pico do Teixo	
PTEN	Parque Tenorio	
PTEO	Sao Teotonio	
PTET	Porto Estrela	
PTF	Prato	
PTG	Portageville	
PTGA	Pitinga	
PTGB	Pitanga	
PTGC	Puerto Gaitan, Meta	
PTGL	Punta Galera	
PTH	Pithoragarh	
PTHS	Papatoetoe High School	
PTI	Pocatello Creek	
PTJ	Puntijarka	
PTJ1	Puerto Jimnez	
PTJI	Pondok Aren, Banten	
PTK	Pertek	
PTKI	Pontianak	
PTL	Penteli	
PTLB	Pontes e Lacerda, MT	
PTLC	Puerto Leguizamo, Putumayo	
PTM	Pietermaritzburg	
PTMB	Porto Murtinho	
PTMD	Pantelleria Cuddia di Mida	
PTMR	Procida, Terra Murata (NA)	
PTMZ	Houxiangcun	
PTN	Potsdam (NY)	
PTNA	Georgistollen Pitten	
PTNS	Petnica	
PTNY	Frank Revetta Observatory, Potsdam, NY	
PTO	Porto	
PTO1	PtolemaidA	
PTOM	Tomar	
PTOPO	Topo S. Jorge	
PT-OR	Pendleton	
PTOS	Petone Overbridge	
PTP	Ponta Puerca	
PTP1	Petroterminal	
PTPA	Petro Terminal	
PTPK	Patty Peak	
PTPM	Petroterminales	
PTPR	Partapura	
PTPS	Port Pirie	
PTQR	Pietraquaria	
PTR	Peterson	
PTRD	Partlow Road	
PTRF	Port Renfrew	
PTRJ	Pietraroja	
PTRM	Twissleman Ranch	
PTRP	Pietrapertosa	
PTRZ	Petrozavodsk	
PTS	Pantelleria	
PTSB	Yuanli	
PTSM	Pangaribuan, Sumatera Utara	
PTSR	Pestisani	
PTT	Piatra Neamt	
PTTC	Pingtan	
PTU	Portage	
PTV	Peach Tree Valley	
PTVM	Pico Tres Padres	
PTVN	Union City, PTVM	
PTYM	Taylor Ranch	TRC
PTZ	Petauke	
PU-	Purvis	PU-MS
PU001	CIRRMA PUCMM	
PU01	PU01	
PU02	PU02	
PU03	PU03	
PU04	PU04	
PU05	PU05	
PU06	PU06	
PU07	PU07	
PUAC	Puerto Asis, Putumayo	
PUB	Puale Bay	
PUC	Pucallpa	
PUCA	Punta Cana	
PUCAC	Catalina, PUCA	
PUCM	Santiago	
PUCR	Pucara	
PUDO	PUDO	
PUE	Puebla	
PUEL	Puelo Alto	
PUEM	Granja Avicola del Valle, Pronaca, San Luis, Puembo, Quito, Ecuador	
PUEX	Pudahuel	
PUF	PUOLANKA	
PUGE		
PUH	Pauahi	
PUJ	Puerto Jimenez	
PUJE	Puerto Jesus Guanacaste	
PUJI	Puerto Jimnez	
PUK	Puka	
PUL	Pulkovo	
PULI	Pulasari	
PULU	Pululahua	
PUMA	Malargue	
PU-MS	Purvis	
PUN	Puno	
PUNE	Pune	
PUNG	Punghina	
PUNV	PUNV	
PUP	Pupakea	
PUR	Purari	
PURC	Volcan Purace	
PURI	Puriscal	
PURM	Purcari	
PUS	Pusan	
PUSN	Pusma	
PUT	Punta Talca	
PUTN	Putnam	
PUU	Piute Reservoir	
PUV	Pulaski	
PUVA	Puert Vallarta	
PUYE	Entre Lagos	
PUYF	Puyloubier	
PUYI		
PUYO	Puyo, Santa Rosa	
PUZ	Puketiti	
PV-	Perryville	PV-AR
PV01	Paradox Valley	
PV02	Paradox Valley	
PV03	Paradox Valley	
PV04	Paradox Valley	
PV05	Paradox Valley	
PV06	Paradox Valley	
PV07	Paradox Valley	
PV08	Paradox Valley	
PV09	Paradox Valley	
PV10	Paradox Valley	
PV11	David Mesa, Paradox Valley	
PV12	Saucer Basin, Paradox Valley	
PV13	Radium Mtn., Paradox Valley	
PV14	Lion Creek, Paradox Valley	
PV15	Paradox Valley	
PV16	Nyswonger Mesa	
PV17	East Wray Mesa	
PV18	Skein Mesa, Paradox Valley	
PV19	Morning Glory Mine	
PV20	West Nyswonger Mesa	
PV21	Cone Mtn., Paradox Valley	
PV22	Blue Mesa, Paradox Valley	
PV23	Carpenter Ridge	
PV6*	Piano Vulcano	
PVAQ	Vaqueiros	
PV-AR	Perryville	
PVC	Port Vila	
PVCC	Panska Ves	
PVCM	Vineyard Canyon	
PVCP	Virac	
PVCS	Petone Victoria Street	
PVDR	Provideniya	
PVER	Pico Vermelho	
PVERD	Verdizela	
PVF	Pernaja	
PVFO	Pavullo del Frignano	
PVFX	Vila Franca de Xira	
PVIA	Vitoria	
PVID3	Puerto Vidal, Veraguas	
PVIL	Puerto Villamil, Aeropuerto	
PVIS	Viseu	
PVK	Pavook Mountain	
PVL	Pavlikeni	
PVLZ	Pen de Vlez de la Gomera	
PVM	Polavaram	
PVMO	Portageville	
PVN	Peters Valley	
PVNV	Vila Nova	
PVO	Paravola	
PVP	Pueblo Viejo	
PVPS	Palos Verdes	
PVR	Palos Verdes	
PVRC	Palos Verdes	
PVRL	Vila Real	
PVS	Pieve Santo Stefano	
PVSP	Pleasant Valley State Prison	
PVV	Pavlof Volcano	
PVY	Plav	
PW-	Pontiac	PW-IL
PWA	Palmer West	
PWAL	Palwal	
PWES	Porirua West	
PWET	AfricaArray - AF	
PWH	Poliokeawe Pali	
PW-IL	Pontiac	
PWJI	Pagerwojo	
PWKM	Work Ranch	WKR
PWL	Port Wells	
PWLA	Pickwick Lake	
PWM	Pinawa	
PWMM	Westland Maintenance Station	
PWOD	Pepperwood Preserve	
PWP	Barrio Florida	
PWS	Pulau-Weh	
PWTG	Paul Wright Trailer	
PWV	Princeton	
PWZ	Pawanui	
PX-	Philippi	PX-WV
PX02	IPOC Station PX02	
PX03	IPOC Station PX03	
PX05	IPOC Station PX05	
PXO	Oaxaca	
PXTR	Popov Hutor	
PX-WV	Philippi	
PXZ	Pawanui	
PY-	Payson	PY-AZ
PYA	Pyatigorsk	
PYA1	Pyatigorsk	
PYAG	Pyongyang	
PY-AZ	Payson	
PYCA	Myeonon	
PYF	Esparros	EPF
PYL	PYLOS	
PYL1	Pylos	
PYL2	Kinigos	
PYL4	Kinigos solar	
PYL5	Pylos	
PYLO	Lourdes	
PYM	Petit Puy Manson	
PYN	Poneloya	
PYNA	Herlindestollen, Grillenberg, Lower Austria	
PYO	Pyongyang	
PYR	Pyramid	
PYR2	Pyrgos	
PYR3	PYRGOS	
PYRG	Pyrgos, Dorida, Greece	
PYRM	Roes	
PYS	Pyongsong	
PYT	Playitas	
PYTK	Pyeongtaek	
PYTN	Playitas	
PYUN	Piuthan	
PYZ	Puysegur Point	
PZ-	Ponce	PZ-PR
PZAM	Piazza Armerina	
PZAR	Pazar-Rize	
PZC	Pizona Creek	
PZCI	Patelzick Creek	
PZF	Pozza Ferrara, Ferrara di Monte Baldo (VR)	
PZG	Pozheg	
PZH	PanZhiHua	

Code	Station Name	Other
PZHG	Pozheg	
PZI	Palazzolo	
PZI1	PIZZOLI	
PZIN	Pantelleria	
PZL	Pazael	
PZ-PR	Ponce	
PZS	Piazza al Serchio	
PZUN	Potenza	
PZX	Poza Rica	
PZZ	Stroppo	
PZZT	Monte Pizzetto	
Q03C	Winters	
Q04C	Lincoln	
Q07A	Schurz	
Q08A	Gabbs	
Q09A	Carvers	
Q10A	Clear Creek Ranch, Tonopah	
Q11A	Duckwater	
Q12A	Willow Creek Ranch, Ely	
Q13A	Wheeler Ranch, Garrison	
Q14A	Sevier Lake (BLM), Delta	
Q15A	Fillmore	
Q16A	Castle Valley Ranch, Emery	
Q16K	King Salmon	
Q17K	Contact Creek Katmai	
Q18A	Rafter H Ranch, Green River	
Q18K	Katmai Hardscrabble Creek	
Q19A	Hogan Spring (BLM), Cisco	
Q19K	Cape Douglas, AK	
Q20A	Ridgley Place, Grand Junction	
Q20K	Shuyak Island	
Q21A	Lamborn Mesa, Paonia	
Q22A	Crested Butte, Gunnison	
Q23A	Hartsel	
Q23K	Middleton Island	
Q24A	Divide	
Q25A	Bedland, Calhan	
Q26A	Hugo	
Q28A	Sharon Springs	
Q29A	Oakley	
Q30A	Quinter	
Q31A	Ellis	
Q32A	Meitler Ranch, Lucas	
Q32M	Nakina River	
Q33A	Connelly Farm, Tescott	
Q34A	Chapman	
Q35A	Mercer Eighty, Eskridge	
Q36A	Arnold C. Orvedal, Lecompton	
Q37A	Longview Farm, Lees Summit	
Q38A	Cooks Store, Concordia	
Q39A	Willow Grove Farm, Nelson	
Q40A	Laux Farm, Auxvasse	
Q41A	Truxton	
Q42A	Golden Eagle	
Q43A	New Douglas	
Q44A	Meyer Farm, Vandalia	
Q45A	Warren Harvey, Newton	
Q46A	CEJHS Indians, Carlisle	
Q47A	Bedord North Lawrence Stars, Bedford	
Q48A	North Vernon	
Q49A	Aurora	
Q50A	Georgetown	
Q51A	Peebles	
Q52A	Bidwell	
Q53A	Leroy	
Q54A	Coxs Mills	
Q55A	Buckhannon	
Q56A	Snyder Ridge, Maysville	
Q57A	Strasburg	
Q58A	Fox Den Farm, The Plains	
Q59A	Harwood	
Q60A	Greensboro	
Q61A	Milford	
QABG	Abgarm-Qazvin	
QAD	Quadrado	
QAL	Quail Lake	
QALA	Qala	
QALM	Alamut, Qazvin	
QALY	DHOFAR2 - YR	
QAM	Ghamsar	
QAMS	Qamsar	
QARU	Seremai	
QARV	Quebrada Arriba	
QASM	Qassim	
QASN	Qassioun	
QATE	Kobo Hara	
QAW	Queen Anne	
QBC	Quebec	
QBL	Gabala	
QBNZ	Buin Zahra, Qazvin	
QBPR	Quebradillas	
QC-	Queen Creek	
QCC	Queen Charlotte	
QCCS	Picton Queen Charlotte College	
QCI	Quattro Castella	
QCIX	Ixc¡n	
QCL	Quebec	QBC
QCNT	Qazvin	
QCP	Quezon City	
QCQ	Quebec	QBC
QCR	Quepos	
QCR1	Quepos	
QCS	Queen City Summit	
QEG00	Eglisau, Reservoir Grafenholz, ZH	
QEG01	Stadel, Weggabelung Kl. Forstamt, Aemperg, ZH	
QEG02	Wil, FreihaltefIche Egissen, ZH	
QEN		
QEPB	Queen Elizabeth Park	
QF17	Paredones	
QHRO	Qairoon Hariti	
QHW	Quartz Hill	
QIB	Qibla Bandi	
QIL1	Quilotoa	
QIL2	Quilotoa	
QILN	Qililugaq Exploration Camp	
QIND	QUININDE	
QIR1	Qir	
QIS	Mount Isa	
QIT2	Quititos 2	
QITI	Quititos	
QIZ	Qiongzhong	
QJF1	Jafarie	
QKP	Cucapa	
QLABS	Al Qalibar	
QLAJS	Quebrada de Lajas	
QLLN	Quelln	
QLMT	Earthquake Lake	
QLNO	Quiliano	
QLNY	Queensboro Lake	
QLP	Quilpie	
QMB	Queensbury	
QMBU	Quimbuelo	
QM-NV	Quartzite Mountain	
QMO	Quartz Mountain	
QN-	Quesnel	QN-BC
QN-BC	Quesnel	
QNF01	Al Qunfudhah	
QNF02	Al Qunfudhah	
QNFDS	Al Qunfudhah	
QNG1	Qangwa	
QNGWA	Qangwa	
QNR	Quinn River	
QPS	Quepos	
QPSR	Quepos	
QRD	Qoradiz	
QRDG	Quail Ridge Natural Reserve, California	
QREAT	Al Qurrayyat	
QRHJ		
QRI	Quarto	
QRN	Al-Qurain	
QRNJ	Al-Qirein	
QRS1	Rashteghoun_ Qazvin	
QRV	Quinn River Valley	
QRWL	Qaraoun	
QRZ	Quartz Range	
QSAR	Qusar	
QSB	Qsaybeh	
QSDN	Sirdan	
QSH	Qafa e Shtames	
QSM	Queen of Sheba Mine	
QSMS	Sumairaa	
QSPA	South Pole Quiet Zone Earth Science Observatory	
QSR	Quien Sabe Ranch	
QTA	Quetta	
QTBJ	Casr Tuba	CSTJ
QTFJ	Qatafi	
QTN	Queenstown	
QTO	Quito	
QTOE	Estacion Edusismo	
QTPS	Queenstown Police Station	
QTRJ	Qatrana	
QUA	Quabbin	
QUA2	Belchertown	
QUAI	Quairading	
QUAR	Qualls	
QUB	Quba	
QUBA	Quba, Azerbaijan	
QUCH	Quchan	
QUE	Quetta	
QUEB	Quebradon, Cote	
QUEG	Quebrada Grande	
QUEM	Puengasi	
QUEN	Al S del Volcan Telica	
QUEO	Labor Ovalle	
QUEP	Quepos	
QUES	Loma Quita	
QUET	Quetta	
QUETC	Quetame, Cundinamarca	
QUEU	Ciudad Quesada	
QUEV	Quevedo	
QUEZ	Alcaldia de Quezaltepeque	
QUI	Quito	
QUIB	Administracin Zonal Quitumbe - Quito	
QUIF	Quistinic	
QUIG	Queretaro	
QUIL	Quilotoa	
QUIN	Quiabu	
QUINZ	Quinzano d'Oglio BS	
QUIS	Sacapulas	
QUL	Quillagua	
QUM	Quillmana	
QUND	Qund	
QUOK	Quay	
QUR	Rumipamba	
QURS	Qurayyt al Milh	
QURY	Yakoun River	
QUT	Tumbaco	
QUTE	Municipio Quitumbe	
QUTJ	Qutrana	
QVP	Quezon City--PHIVOLCS	
QVPH	Quezon City--PHIVOLCS	
QYSM	Um Kedad	
QZA	Quezalapa	
QZG	Quezaltepeque	
QZH	Quanzhou	
QZH2	Quanzhou	
QZN	Quanzhou	QZH
QZO	Quartz Mountain State Park	
QZX	Qazax, Azerbaijan	
R04C	Big Horse Ranch, Ione	
R0529	La Mascota	
R05C	Kirkwood Meadows Resort, Kirkwood	
R06C	Coleville	
R07C	Lee Vining	
R08A	Mina	
R09A	Tonopah	
R10A	Warm Springs	
R11A	Troy Canyon, Currant	
R11B	Troy Canyon, Currant	
R12A	Pony Springs, Pioche	
R13A	O'Grain Ranch, Modena	
R14A	James Farms, Milford	
R15A	Junction	
R15V		
R1628	Naciones Unidas	
R16A	Teasdale	
R16K	Pilot Point	
R17A	Hanksville Airport, Hanksville	
R17K	Ugashik Creek	
R17L	Mt. Peulik Volcano	
R18A	Canyonlands National Park, Moab	
R18K	Karluk	
R19A	Curley Farm, La Sal	
R1E40	Villa Flor Norte	
R1F03	Distro VII	
R20A	Redvale	
R21A	Cimarron	
R22A	Saguache, Gunnison	
R23A	Moffat	
R24A	Sanders Place, Florence	
R25A	Fountain Ranch, Boone	
R26A	Arlington	
R27A	Eads	
R28A	Tribune	
R29A	Marienthal	
R30A	Dighton	
R31A	Burdett	
R31K	City Hall, Gustavus	
R32A	Long Quarter, Great Bend	
R32K	Eaglecrest	
R33A	Olander Ranch, Little River	
R33M	Jennings River	
R34A	Isabella, Hillsboro	
R35A	Emporia Municipal Airport, Emporia	
R36A	Gordon, Harris	
R37A	Teagarden Farms, La Cygne	
R38A	Fenwick Farm, Montrose	
R39A	Chumby, Stover	
R3BC1	Hampaturi	
R40A	Maddies Station, St. Elizabeth	
R41A	Rosebud	
R42A	Luebbering	
R43A	Red Bud	
R44A	Waltonville	
R45A	Skylar, Fairfield	
R45A8	Distro VI	
R4631	Marina puesta del sol	
R46A	Gibon Southern Titans, Haubstabt	
R47A	Wooly Knot Farm, English	
R48A	Northridge Ranch, Floyd Knobs	
R49A	Shelbyville	
R49B6	Port-au-Prince, Haiti	
R4DEC	Barrio San Luis	
R50A	Paris	
R51A	Hillsboro	
R52A	Catlettsburg	
R53A	Hurricane	
R54A	Victor	
R55A	Marlinton	
R55E0	Keizer	
R56A	Bull Pasture Mountain, McDowell	
R57A	Stanardsville	
R58A	Rapidan	
R58B	Mineral	
R59A	King George, VA	
R60A	Leonardtown, MD	
R61A	Willards	
R897D	Jacmel, Haiti	
R8CCA	La Lomita	
R9027	Vallegrande	
R9A9C	Cite Saint-Georges, Port-au-Prince, Haiti	
R9F13	Warsaw-Wawer	
RA01	Rhonegletscher, RA01, VS	
RA02	Rhonegletscher, RA02, VS	
RA03	Rhonegletscher, RA03, VS	
RA04	Rhonegletscher, RA04, VS	
RA05	Rhonegletscher, RA05, VS	
RA06	Rhonegletscher, RA06, VS	
RA07	Rhonegletscher, RA07, VS	
RA08	Rhonegletscher, RA08, VS	
RA09	Rhonegletscher, RA09, VS	
RA10	Rhonegletscher, RA10, VS	
RA11	Rhonegletscher, RA11, VS	
RA12	Rhonegletscher, RA12, VS	
RA13	Rhonegletscher, RA13, VS	
RA14	Rhonegletscher, RA14, VS	
RA41	Rhonegletscher, west of Gross Furkahorn, VS	
RA42	Rhonegletscher, north of the glacier lake, VS	
RA43	Rhonegletscher, north of the glacier lake, VS	
RA51	Rhonegletscher, Obergoms, Schweiz	
RA52	Rhonegletscher, Obergoms, Schweiz	
RA53	Rhonegletscher, Obergoms, Schweiz	
RA5A7	El Crucero	
RA6D5	Peas	
RAB	Rabaul	
RABC	Rab	
RABH	Abou Rabah	
RABL	Rabaul	
RAC	Raciborz	
RAC02	Cali,SGC	
RACA	Rancho agua Caliente	
RACZ	Rakaia	
RADA	Ahram - Rada'a city Al-Baydha Gov. - Yemen	
RADR	Rader Ridge	
RAEZ	Rainy Point	
RAF	Rauma	
RAFA	San Farael, Volcan Turrialba, Cartago	
RAFF	Raffo Rosso	
RAFI	Al-Rafai	
RAFT	RAFT	
RAG	Roghun	
RAGC	San Jose, RAG	
RAGD	RAYAGADA	
RAGM	Ragged Mountain	
RAGZ	Rawiri	
RAHO	DHOFAR2 - YR	
RAHZ	Arahi	
RAI	Raspberry Island	
RAIO	Rainier	
RAJA	Rajamunda Odisha,India	
RAJF	Raja-Jooseppi	
RAK	Rakhov	
RAKU	Rahkiv	
RAL	Rabalanakaia	
RALT	Raleigh	
RAM	Raman	
RAMA	Ramapo Mountain	
RAMI	RAMI	
RAMN	Ramite	
RAMO	San Ramon	
RAMR	Ramage Ranch	
RAMW	Rammel Mountain	
RAN	Rangoon	
RANB	Rancho Bola	
RANC	El Ranchito	
RANF	Ranua	
RANI	Rangndo	
RANIS	Burg Ranis	
RANIT	Raniyah - temporary	
RANK	Rankasinga Odisha,India	
RAO	Raoul Island	
RAP	Rapindik	
RAPE	San Chirico Raparo	
RAR	Rarotonga	
RAR01	Raron, Gemeindekanzlei, VS	
RAR02	Raron, Airdrome, VS	
RARZ	Rarz	
RASA	Rasa	
RASM	Ranah Ampek Hulu Tapan, Sumatera Barat	
RASP	Raspadskaya	
RAST	Rastdorf	
RAT	Rat Island	
RATI	Rata	
RATT	Rattlesnake Lake	
RATU	Laukkuluspa	
RATZ	Rangitukua	
RAUL	RAUL	
RAUS	Rausandaksla	
RAV	Ravensburg	
RAVA	Ravarino	
RAVE	Ravendale, CA USA	
RAVT	Ravensthorpe	
RAW	Raver	
RAW1	Lenk, BE	
RAW2	Sanetsch, VS	
RAW3	Les Diablerets, Reservoir des Cretes, VD	
RAW4	Former Reservoir Mayens-de-Chamoson, VS	
RAWNZ	Rawhiti Farm	
RAY	Raywood Flat	
RAYA	Raymond Alberta	
RAYN	Ar Rayn	
RAYNT	Ar-Rayn - temporary	
RAZA	Razan Borujerd	
RAZAM	Belene	
RAZG	Razgrad	
RAZO	Razococha-Potrerillos	
RAZU	San Marcos de Tarrazu	
RB213	Mirador 2 Volcan Masaya	
RB28C	Hialeah	
RBA	Rabat	
RBALA	Bur	
RBAR	Bucharest-INCERC-Test Bldg	
RBC	Rio Blanco	
RBCL	Ro Branco	
RBDL	Robledal	
RBEN	Benson Hill Elementary School	
RBH	Right Bank House--Pihur	
RBK	Rabkut	
RBL	Raibl	
RBN	Rybnik	
RBNC	Richland Balsam	
RBO	Rocky Butte	
RBOH	Red Brook Ohio	
RBOW	Rainbow Ridge, Petrolia, CA USA	
RBRC	Rio Branco AC	
RBSH	Rongbusi, Xizang Zizhiqu	
RBSI	Rajabasa	
RBU	Red Butte Canyon	
RBY	Rainbow Mountain	
RBZ	Rabat Zaers	
RC01	Rabbit Creek Array Site 1	
RC1	Royal City	
RC14	Nage Dongri, Xizang Zizhiqu	
RCAV	Rocca di Cave	
RCBR	Riachuelo	
RCBS	Redcliffs Borehole	
RCC	Rio Carpintero	
RCCR	Rock Creek Canyon	
RCD	Rapid City	
RCDM	Rinconada Maipu	
RCET	Spring Hill	
RCF63	CIRKULANE	
RCFN	Al S de San Juan del Rio Coco	
RCG	Rock City	
RCH	Reche Mountain	
RCHB	Rochefort	
RCI	Reggio Calabria	
RCJ	Ross Creek	
RCL	Mte Valcellina	
RCLA	Racherla	
RCLB	Rio Claro- Sao Paulo-Brazil	
RCM	Mount Rainier--Camp Muir	
RCO	Red Cone	
RCON	San Juan de Rio Coco,	

	Nicaragua	
RCP	Roxas	
RCP2	Recreation Park	
RCPC	Reggio Calabria Protezione Civile	
RCPN	Sur Rio San Juan del Rio Coco	
RCR	Cape Wrath	
RCRC	Randolf College Riding Center, Lynchburg	
RCS	Mount Rainier--Camp Schurman	
RCT	Riceville	
RCTC	Rector, Farmersville	
RCU	Reggio Calabria Universita	
RCVN	Varillal2	
RCW	Richland	
RCWM	Renegade Canyon West	
RCY	Rachaya	
RD01	Burlington	
RD02	Waterdown	
RD03	Mount Hope	
RD04	Stoney Creek	
RDC	Rolduc	
RDCC	La Rosa de Castilla, RDC	
RDCM	Rio Pakava, Sulawesi Tengah	
RDCS	Reefton DOC Centre	
RDD	RADDA IN CHIANTI	
RDDR	Redoubt East 2	
RDE	Redoubt Vol. East	
RDEA	Red Earth Creek	
RDF	Al-Radifah	
RDG	Rabinal	
RDG13	Poverty Ridge 1, Station 3	
RDI1	Rhodes Town Hall	
RDJ	Rio de Janeiro	
RDJH	Redoubt Jeurgen	
RDLO	Red Lake	
RDLQ	Riviere-du-Loop	
RDM	Round Mountain	
RDM3	Ruvo Del Monte	
RDMU	Red Mountain	
RDN	Redoubt North	
RDO	Rodhopi	
RDOG	Red Dog Mine	
RDP	Rocca di Papa	
RDS	Siegrist	
RDSO	Redoubt South	
RDSS	Rosedale State School	
RDST	Rhodes College	
RDT	Redoubt	
RDW	Redoubt West	
RDWB	Redoubt West	
RDWR	Rand Water	
RDX	Rancho Dawling	
RE02	Canossa - RE	
RE03	Vedriano (Canossa) - RE	
RE04	Sedrio (Vezzano sul Crostolo) - RE	
RE05	Terme di Santa Lucia (Busana) - RE	
RE06	Pratopiano (Palanzano) - PR	
RE07	Pizzano Val di Parma - PR	
RE08	Castello di San Valentino (Castellarano) - RE	
RE1	Mte Valcellina	RCL
RE6B4	Centro civico	
RE7D0	Catchment Area, Port-au-Prince, Haiti	
RE87E	Cite Saint-Georges, Port-au-Prince, Haiti	
REA	REANA DEL ROJALE	
REAC	Reactor, Bogot	
REAL	Reales	
REB	Eisghbrachaidh	
REC	Recreo	
RECH	Champerico	
RECRC	Villamaria, Caldas	
RECU	Ecuador Network	VC1
RED	Redoubt Volcano	
REDDE	Milluni	
REDH	Redhead, NSW Australia	
REDP	Redondo Peak	
REDR	Restauracion	
REDW	Red Top Meadow	
REDWA	Red Mountain	
REF	Redoubt East Flank	
REF1	Hacienda Santa Mara ref	
REFA	Refahiye_ERZNCAN	
REG	Rock Eagle	
REG*	Regar	RGR
REHS	Christchurch	
REI	Reidovoe	
REKY	Reed	
REL	Relizane	
RELT	Roellen	
REM	Remote	
REME3	Remedios, Chiriqui	
REMR	Mount Rainier--Emerald Ridge	
REMW	Rembrandt	
REMY	Saint-Rhmy-en-Bosses	
REN	Reno	
RENF	Rennes	
REPA	Paraso	
RER	Riviere de l'Est	
RES	Resolute Bay	
RESF	Ens	
RESI	Resinera	
RESJ	San Isidro (Turrialba)	
RESU	Resuttano	
RET1	Porto Nacional, TO, Brazil	
RET10	Pium - TO	
RET11	Monte do Carmo - TO	
RET12	Mateiros - TO	
RET13	S. Felix do Tocantins -TO	
RET14	Novo Acordo - TO	
RET2	Formoso do Araguaia, TO, Brazil	
RET3	Cariri, TO, Brazil	
RET4	Sucupira, TO, Brazil	
RET5	Paranan- TO	
RET6	Dianopolis -TO	
RET8	So Miguel do Araguaia, GO, Brazil	
RET9	Novo Planalto, GO, Brazil	
RETA	Reutte	
RETH	Rethem/Aller, Germany	
RETHO	Rethem	
RETI	Reserva El Tigre	
RETU	Refugio	
REU	Reunion Island	
REUL	Reutlingen	
REUS	Reus	
REUT	Washington Fields	
REVE	Rev-Rev Volc	
REVF	Revere	
REVI	Revivim	
REVN	San Rafael	
REVS	Reventador Sur	
REW	REWA	
REX	Rexburg	
REY	Reykjavik	
REYF	Montagne du Rey	
REYT	Reyhanli	
REZ	Monterrey de San Carlos	
RFA	San Rafael	
RFDD	Rafsanjan	
RFHT	Rives	
RFHY	Refahiye, Erzincan	
RFI	Roccamonfina	
RFM	Reservoir Flats	
RFO	Forsnaval	
RFSB	Richmond Field	
RFT1	Sazli	
RFT2	Karaagac	
RFT3	Cesme	
RFT4	Karaburun	
RFT5	Foca	
RFT6	Fevzi Cakmak	
RFT7	Candarli	
RFT8	Kiratli	
RFTA	Plano	
RFTAA	Mazikoy-Bodrum	
RFTB	Kemer-Bodrum	
RFTC	Emecik-Datca	
RFTD	Palamutbuku-Kayakoy-Datca	
RFVM	Rio Frio	
RFYF	Reffroy	
RG-	Redig	RG-SD
RGA	Parga	
RGB	Rumangabo	
RGC	Rangely	
RGD	Ragged Mountain	
RGE1	Gennadi, Rhodes Island	
RGM0	Gandoca	
RGMN	Argaman	
RGN	Rugen	
RGNG	Rignano Grg	
RGP	Ruby Glebe Property	
RGR	Regar	
RGRI	Rengat	
RGRS	Roger Stewart	
RGS	Rognes	
RGSC	La Regadera-Sumapaz	
RG-SD	Redig	
RGZ	Rangipo	
RHA	Reichold	
RHAM	Hammer	
RHAN	Hatay/Reyhanlı	
RHAZ	Hazelwood Elementary School	
RHC	Rose Hills Cemetery, Whittier	
RHD	Arkhangelos	ARG
RHEN	Rhens	
RHJ	Red Hills	
RHK1	Bakonya	
RHK2	Bata	
RHK3	Tenkes	
RHK5	Tyukosdulo	
RHM	Rio Hardy	
RH-NV	Rawhide Mountain	
RHO	Rhodes	
RHP	Rhoboro Hills	
RHRSI	Rokan Hilir, Riau, Sumatra, Indonesia	
RHSC	Riccarton High School	
RHT	Red Hill	
RHT01	RHT01	
RHT02	RHT02	
RHT03	RHT03	
RHT04	RHT04	
RHT05	RHT05	
RHT06	RHT06	
RHT07	RHT07	
RHT08	RHT08	
RHT09	RHT09	
RHT10	RHT10	
RHT11	RHT11	
RHT13	RHT13	
RHT14	RHT14	
RHT15	RHT15	
RHT16	RHT16	
RHT17	RHT17	
RHT18	RHT18	
RHT19	RHT19	
RHT20	RHT20	
RHU	Roosevelt Hot Springs	
RHWAS	RHWAS	
RHX	Rio Hardy	
RIA	Ribeira da Areia	
RIA0	Ribeira da Areia	RIA
RIAF	Riaille - 44144 - Loire-Atlantique - France	
RIB	Ribeirinha	
RIB01	Linhares ES	
RIB2	Ribeirinha	
RIBE	Ribeira	
RIBO	Ribolla Roccastrada	
RIC	Richmond	
RIC12	RICCIA	
RICA	Ricadi	
RICC	Richard	
RICH	Rich Mountain	
RICI	Ricice	
RIDG	Independent Ridge	
RIEH2	Riehen 2 (BS)	
RIEM	Rieti Museo	
RIEP	Rieti Provincia	
RIEV	RIETI VAZIA	
RIFB	Rifaina	
RIFO	Rio Frio, Sarapiqui, Heredia	
RIGQ	Rigaud	
RIGT	Kenton	
RIGZ	Rimuhau	
RII	Riito	
RIM	Rim	
RIMA	Rio Macho	
RIMQ	Rimouski	
RIMR	Rimrock Valley Reservoir, Modoc National Forest, Mulkey Place CA USA	
RI-MS	Richton	
RIN	Volcan Rincon	
RIN2	Volcan Rincon	
RIN3	Volcan Rincon	
RINI	Rimini Protezione Civile	
RIO	Rio Grant	
RIOA	Rio	
RIOB	Rio Branco	
RIOE	Riobamba	
RIOE1	Riobamba	
RIOS	Rincon, Osa	
RIOV	Rio Grande	
RIRI	Parque Rincon de la Vieja	
RISI	Rein	
RISQ	Rimouski	
RITA	Parrita	
RITO	Finca Alexandra	
RITOM	Lago Ritom (SBB)	
RITX	Riito Sonora	
RITZ	Rihia Road	
RIU	Riou	
RIV	Riverview	
RIVEL	MONT RIVEL	
RIVT	Riveris	
RIY	Rijeka	
RIYDT	Riyadh - temporary	
RIZ	Raoul Island	
RIZA	Riza	
RJF	Les Rejaudoux	
RJOB	Jochberg	
RK-	Red Lake	RK-ON
RK1	Rhampton Hrock	
RK1H	Rockhampton Hard Rock	
RK2	Rhampton Srock	
RK2S	Rockhampton 2 Soft	
RKAC	Rakaia School	
RKAV	Rock Avalanche	
RKCM	Rauta	
RKG	Rocky Gully	
RKGY	Rocky Gully	
RKL1	Kallithies, Rhodes Isl.	
RKO	Rokko	
RK-ON	Red Lake	
RKPI	Ransiki, Papua	
RKS	Reko	
RKT	Rikitea	
RKT1	Kattavia Rhodes Isl.	
RKY	Sarkoy-Tekirdag	
RL-	Rib Lake	RL-WS
RLA	Relizane	
RLKO	Red Lake	
RLMT	Red Lodge	
RLN1	Lindos, Rhodes Isl.	
RLNB	Erlin	
RLNS	Resolution Island	
RLO	Rose Lookout	
RLS	Riolos of Patras	
RLSI	Rantau Selatan, Sumatera Utara	
RLSP	Rockland Lake	
RLW	Rice Lake	
RL-WS	Rib Lake	
RM01	Lucoli (AQ)	
RM02	Colle Roio	
RM03	San Martino d'Ocre	
RM04	Rocca di Mezzo	
RM05	Colli (Barete)	
RM06	Scoppito	
RM07	Collebrencioni	
RM08	Filetto	
RM09	Piano di Cascina (Cagnano Amiterno)	
RM10	Cesaproba (Montereale)	
RM11	Collenoveri	
RM12	Casamaina	
RM13	Rovere (Rocca di Mezzo)	
RM14	Barisciano	
RM15	Castiglione (Tornimparte)	
RM16	Terranera (Rocca di Mezzo)	
RM18	Fano Adriatico	
RM20	Borbona	
RM21	Selvarotonda (Cittareale)	
RM22	Micigliano	
RM23	Viesci	
RM24	Colle Belvedere (Rocca di Mezzo)	
RM25	Mosicchio (Amatrice)	
RM26	Passo delle Capannelle	
RM27	Carapelle Calvisio	
RM28	Assergi	
RM29	Verrico (Montereale)	
RM30	Cerqua	
RM31	Accumuli	
RM32	Poggio Cancelli	
RM33	Pellescritta (Montereale)	
RMA	Rockefeller Mts	
RMAH	Rumah	
RMB	Rombauer	
RMBA	Ral Marn Balmaceda	
RMBN	Ramban	
RMCL	ROMA CLODIO	
RMCR	Rio Macho	
RMDIO	Remedios, Chiriqu	
RMF	Romuvaara	
RMG	Rome (USA)	
RMGF	Ravine Marchand	
RMGR	Halanga-Turnu Severin	
RMI	Round Mountain	
RMI2	Roccaromana	
RMJ	Rumoi	
RMKL	Ramhormoz	
RMMM	Roma Monte Mario	
RMN	Mount Ramon	
RMNB	Reason Mountain	
RMNI	Mount Ramon	
RMNS	Romny	
RMO	Rochester (NY)	
RMOA	Moar Alm	
RMOT	Ramot	
RMP	Rome, Mte Porzio	
RMPS	Roma Palazzo Spada	
RMPV	Roma Palazzo Valentini	
RMQ	Roma	
RMR	Rimrock	
RMSF	Reims	
RMSM	Rawas Hulu, , Sumatera Selatan	
RMSR	Rmnicu Srat	
RMT	Round Mountain	
RMU	Rainbow Monument	
RMUL	ROMA ULPIANO	
RMV	Ramnicu Valcea	
RMVG	GOVORA	
RMVT	Roma DPC Vitorchiano	
RMW	Rattlesnake Mountain	
RMX	La Rumorosa	
RN-	Rainelle	RN-WV
RNC	Little Raleigh	
RNCA	Ronca, Sant'Olcese (GE)	
RNCC	Cayo Roncador, Archipielago de San Andres, Providencia y Santa Catalina	
RND	Reindeer	
RNDA	Aranda	
RNEM	Rives	
RNF	Rovaniemi	
RNHA	Neuhaus	
RNI	Roncone	
RNI2	Rionero Sannitico	
RNMU	Rende Municipio	
RNO	Roman Nose	
RNON	Nonn-Bad Reichenhall	
RNPC	Rende Protezione Civile	
RNPP1	Kostyukhnivka	
RNPP2	Kostyukhnivka	
RNPP5	Staryi Chortoryisik	
RNPP8	Varash	
RNPP9	Sopachiv	
RNS	RONCO SCRIVIA	
RNTT	Ranong	
RNV2	RIONERO IN VULTURE	
RN-WV	Rainelle	
RNYS	Ranyah	
RO01A	Beldiu	
RO02A	Toplita	
RO03A	Zatrenii	
RO04A	Berlesti	
RO05A	Cremenari	
RO06A	Chiribis	
RO07A	Fulgeris	
RO09A	Cenei	
RO10A	Ciudanovita	
RO11A	Dealu_Mare	
RO12A	Vlasceni	
RO13A	Segarcea	
RO15A	Ipotesti	
RO16A	Chirnogi	
RO17A	Schela	
RO18A	Gradistea de Munte	
RO19A	Arsuri	
RO20A	Ohabita	
RO22A	Sambata de Sus	
RO23A	Garbova	
RO24A	Comlosu Mare	
RO25A	Bogda	
RO27A	Giurgeni	
RO31A	Sofronea	
RO32A	Salisca	
RO33A	Valea Seaca	
RO34A	Borlesti	
RO37A	Telcisor	
RO39A	Botosani	
ROA	Roan Cliffs	
ROB	Robourent	
ROBE	Robe	
ROBF	Roble, Puntarenas	
ROBI	Boca de Chavon	
ROBS	Robic	
ROC	Rochester	
ROC1	El Roble	
ROCA	ROCAFUERTE 2	
ROCAM	Rodrigues Island Caves	
ROCE	Novi Di Modena	
ROCH	El Roble	
ROCN	Rota Cerro Negro	
ROD	Rodman Mountain	
ROD3	Rodini, Patras, West Greece	
RODB	Rodos	
RODE	Road Camp	
RODG	Roetgen-Dahlheim	
RODI	Rodini	
RODM	Citronelle, Rodrigues Island	
RODP	Rodopos	
RODS	Rosario do Sul (Brazil)	
ROEST	Røst	
ROET	Hopewell	
ROF	Roppe	
ROG	Rognes	
ROG2	Rogliano	
ROH	Rohtak	
ROHR	Rohrbach	
ROI	Rossano	
ROIA	ROIAK	
ROII	Roi	
ROKH	ROKH	
ROKL	Rocklands	
ROKM	Rocklands Reservoir	
ROKY	Rotten Point	
ROL	Rolla	
ROLC	Rolleston School	
ROM	Rome	
ROM9	Roma	
ROMA	La Romaneta	
ROMAN	Romanshorn, Forsthaus, TG	
ROMB	Rominger Brothers Farms, Citrona, CA USA	
ROMN	Roman Lake	
RON	Remote	
RONA	Rosalia, Austria	
RONC	Roncone	
RONF	Ronchamp	
RONM	Roccetta Nervino	
RONS	Ronchis	
ROOI	Rooidraai Farm, Aberdeen, Eastern Cape	
ROOS	tl_alroos	
ROPR	Rincon, Puerto Rico	
ROQE	Tereno de la Politecnica a San	

	Roque, San Juan, Quito, Ecuador	
RORO	Rocca Rossa	
RORSS	Ber_school_1	
ROS	Roseneath	
ROSA	Rosais	
ROSB	Rosrio	
ROSC	El Rosal	
ROSF	Rostrenen	
ROSI	Rosskopf	
ROSK	Digor gorge	
ROSL	ROSL	
ROSN	Rosenhof	
ROSPO	ADRIATIC SEA	
ROSS	Ross	
ROST	Santa Teresa, Rocha	
ROT	Rotorua	
ROT7	ROTONDA	
ROTD	Rotterdam (NY)	
ROTE	Rottweil	
ROTH	Roatan	
ROTHE	Rothenfluh	
ROTI	AfricaArray/PSU - ZP	
ROTM	Rocchetta Tanaro	
ROTS	Rotorua District Council	
ROTT	Steinweiler	
ROTU	Roteberg	
ROTZ	Rotzenmuhle	
ROU	Rougiers	
ROUGE	Saint Etienne de Tinee, Rougelle	
ROUQ	Riviere-Ouelle	
ROVE	Rovereto Di Novi	
ROVR	Rover Veronese	
ROW	Rowesville	
ROWM	Rowsley	
ROX	Roxburgh	
ROYM	Rob Roy	
RPA	Roopena	
RPBA	Roccapalumba	
RPCS	Reporoa College	
RPF	Rose Park Fire Station, Salt Lake City, UT	
RPIG	Rio Verde	
RPK	Roosevelt	
RPM	Rheinpreussen Mine	
RPN	Rapa Nui	
RPN1	Rhodes Hospital	
RPOR	Krasnaya Polyana	
RPR	Rampur	
RPRD	Ribas do Rio Pardo (Brazil)	
RPSI	Rantau Prapat	
RPT	Raluana Point	
RPV	Rancho Palos Verdes	
RPW	Rockport	
RPZ	Rata Peaks	
RQBS	RQBS	
RQT	ARQUATA DEL TRONTO	
RRD	Roosevelt Roads	
RREF	El Recreo	
RRH	Rhenigidale	
RRHS	Rochester High School	
RRI	Red Ridge	
RRI2	Red Ridge	
RRKS	Rarakau	
RRL	Rocca Remolon	
RRO	Red Rock Canyon	
RRP	Roosevelt Roads	
RRR	Rubha Reidh	
RRRZ	Republican Road	
RRSI	Rambah, Riau	
RRX	Edison Barstow Service Cntr. Barstow	
RS-	Russell Springs	RS-KY
RS1	Redoubt South 1	
RS2	Redoubt South 2	
RSA	Sarsar	
RSA3	Rocchetta Sant'Antonio	
RSB	Ravensbos	
RSBC	Riverside Borehole	
RSBS	Rosebush, Pembrokeshire	
RSC	Scourie	
RSCH	Rosais	
RSCM	Risco	
RSCN	Hickman	
RSCP	Cumberland Plateau	
RSD	Rainshed	
RSDY	Resadiye-TOKAT	
RSE	Rose Pump	
RSF3	Rocca San Felice	
RSFT	Ramat Hashofet	
RSH		
RSHJ	J Risha	JRSJ
RSHS		
RSJ	Rancho San Jose	
RS-KY	Russell Springs	
RSL	Roselend	
RSLU	Rancho San Luis	
RSM	Repubblica di San Marino	
RSM2	San Marino	
RSNI	Ropang, Sumbawa, Nusa Tenggara Barat, Indonesia	
RSNT	Yellowknife	
RSNY	Adirondack	
RSO	Redoubt South	
RSO1	Soroni, Rhodes Isl.	
RSON	Red Lake	
RSP	Reno Superiore	
RSPN	Rosh Pina	
RSPO	Restoule Provincial Park	
RSRA	Roshora	
RSRB	Richmond-San Rafael Bridge	
RSRNO	Rio Sereno	
RSSD	Black Hills	
RSSM	Ronggurnihuta, Sumatera Utara	
RST	Umm Al-Ruwaisat	
RST1	Rasht - Gilan	
RSTA	Tijuco Alta	
RSTR	Resita	
RSU	Mount Rainier--Summit	
RSUO	Ruskeasuo, Finland	
RSUS3	Rio de Jesus, Veraguas	
RSUT	Red Spur Mountain	
RSV	Radio Antilles	
RSW	Rattlesnake Hills	
RSY	Rusayo	
RT-	Raton	RT-NM
RTA	Riberalta	
RTAL	Retalhuleu	
RTAM	Retamim	
RTB	Rutbah	
RTBA	Rita Blanca	
RTBE	Buergeleck	
RTBI	Rangdo, Negare	
RTBP	Dona Remedios Trinidad, Bulacan	
RTBS	Barreal	
RTC	Rabat Centre	
RTCB	Cerro Blanco	
RTCV	Cerro Valdivia	
RTH1	Rethymnon	
RTHF	Rethymno-Limin	
RTI	RIETI	
RTK	Rohtak	
RTLL	Cerro Villicun	
RTLS	Leoncito	
RTMI	Retamim	
RTMM	Retamin	
RTMQ	Marquesado	
RTN	Rota	
RT-NM	Raton	
RTO	Tolsta	
RTP	Ruataniwha	
RTPR	Patquia	
RTQ	Roma	
RTR	El Retiro	
RTRS	Rodeo	
RTSA	Steiner Alm	
RTSH	Staufenhaus Bad Reichenhall	
RTUL	Rataul	
RTV	Rentapao	
RTY	Rotoiti	
RTZ	Ruatahuna	
RTZL	Ratzakli, Kefalonia, Greece	
RUB	Prince Rupert	
RUBB	Prince Rupert	
RUBR	Rubicon Trail	
RUDO	Rudo	
RUDS	Rudovci	
RUDU	RUNDU	
RUDU1	Rudlice	
RUE	Ruedersdorf	
RUEQ	Avenue Ruel MTQ2	
RUF	Ruokolahti	
RUFF	Ruffiac, Nouvelle Aquitaine, France	
RUFI	Rufina	
RUFX	Ruokolahti	
RUGZ	Raukumara Range	
RUM	Rumangabo	
RUMEL	Rumelange	
RUMJ	Er Rumman	
RUMN	Rumjataar	
RUMP	Rumipamba	
RUN	Ruthven	
RUN2	Runtun	
RUN3	Runtun 3	
RUN5	Runtun	
RUNA	Volc¡n Rumiahui	
RUND	Rundenannen	
RUNG		
RUP	Ruppelstein	
RUS	Russkaya	
RUSAM	Ruse	
RUSC	La Rusia	
RUSF	Rustrel	
RUSI	La Rusia	
RUSJ	Misakicho	
RUSK	Ruskeasuo	
RUSM	Rushworth	
RUSS	Russell Ranch	
RUST	Rust De Winter,Limpopo Province	
RUSZ	RUSIZI	
RUT	Ruth	
RUTI	Ruteng	
RUV	Rauvai	
RUWJ	Safwai	
RUZ	Raurimu	
RUZG	Kolky, Bolu	
RV157	RV157	
RV196	RV196	
RV339	RV339	
RVAZ	Riverhead Borehole	
RVC	Mount Rainier--Voight Creek	
RVCM	Rose Valley Central	
RVDE	Rio Verde (Brazil)	
RVE	Reveille Range	
RVHC	Reventazn, Hacienda Colima	
RVI2	Rocchetta Volt	
RVIT	Round Valley Indian Tribe	
RVLA	Villa Bonita	
RVM	Rio Vista Mine	
RVMB	Rio Verde do Mato Grosso - MS	
RVNR	Rovinari	
RVPB	Parque Nacional Barbilla	
RVR	Riverside	
RVRD	Rio Verde	
RVRO	Rivergaro	
RVS	Riverside Mountains	
RVST	Ravascletto	
RVSTA	Santa Teresita	
RVT	RIONERO IN VULTURE	
RVUT	Riverside	
RVVM	Revivim	
RVW	Rose Valley	
RW1	Ridgway	
RW2	Ridgway	
RW3	Ridgway	
RW4	Ridgway	
RW5	Ridgway	
RW6	Ridgway	
RWB	Wassenberg	
RWMO	Wildenmoos	
RWW	Ranney Well	
RWWY	Rawlins	
RXF	Rexford	
RY-	Ryder	RY-ND
RYAN	Fayoum	
RYB	Rybach'ye	
RYBC	Ceska Rybna	
RYD	Riyadh	
RYDS	Riyadh	
RYL	Rypely	
RYN	Ryan	
RYNBS	Yanbu	
RY-ND	Ryder	
RYNS	Ranyah	
RYS	Reyes Peak	
RZN	Rozhen	
S001	Rahes	
S002	Kamari	
S003	Sitohorio	
S004	Chalkas	
S005	Stasimo	
S006	Ano Karies	
S007	Mavria	
S008	Pavlia	
S009	Chrysovitsi	
S01	S01	
S010	Kardaras	
S011	Nestani	
S012	Skoteini	
S013	Leontio	
S014	Klenia	
S015	Krioneri	
S017	Loutraki	
S018	Gerania	
S019	Xyronomi	
S02	S02	
S020	Ag. Anna	
S021	Mazi	
S022	Villia	
S023	Mandra	
S024	Eleon	
S025	Martino	
S026	Pantixeio	
S027	Avlonas	
S029	Marmari	
S03	S03	
S030	Krieza	
S031	Kalithea	
S032	Paliouras	
S033	Prokopi	
S034	Aidipsos	
S035	Kymi	
S037	Skyros	
S039	Syros	
S04	S04	
S040	Ag. Konstantinos	
S04C	Ingram Canyon, Westley	
S05	S05	
S05C	Merced	
S06	S06	
S06C	San Francisco Camp Mather, Mather	
S07	S07	
S08C	White Mtn Res Sta-Crooked Creek, Bishop	
S08L	S08L	
S09	S09	
S09A	Goldfield	
S104	Chalkias	
S10A	Tonopah Range, Tonopah	
S10L	S10L	
S11	S11	
S11A	Rachel	
S12	S12	
S126	Profitis Ilias	
S12A	Delamar Landing Field, Caliente	
S12K	Black Hills	
S13	S13	
S13A	Holt Ranch, Enterprise	
S14	S14	
S14A	Cedar City	
S14K	Fog Glacier	
S15	S15	
S15A	Panguitch	
S16	S16	
S16A	Weppner Ranch, Escalante	
S17	S17	
S17A	Black Ridge (BLM), Bullfrog Basin	
S18	S18	
S18A	Hurst Farm, Blanding	
S19	S19	
S19A	Harvey Farm, Monticello	
S20A	Disappointment Valley, Cahone	
S21A	Coal Bank Pass, Durango	
S22A	4UR Ranch, Creede	
S23A	Nye Farm, Monte Vista	
S24A	Houchin Ranch, La Veta	
S25A	Robets Cordova Ranch, Walsenberg	
S26A	Kim	
S27A	Las Animas	
S28A	Manter	
S29A	Ulysses	
S30A	Montezuma	
S31A	Mullinville	
S31K	Pelican	
S32A	Newby Ranch, Pratt	
S32K	Killisnoo	
S33A	Kaszmaul Farm, Murdock	
S34A	Willow Spring Farm, Andover	
S34M	Telegraph Creek	
S35A	Otter Creek Ranch, Eureka	
S36A	Lake Cedric, Chanute	
S37A	Fort Scott	
S38A	Stockton	
S39A	Bolivar	
S40A	Lebanon	
S41A	Jillco Farms, Salem	
S42A	Caledonia	
S43A	Fulton Ridge, Patton	
S44A	Carbondale	
S45A	Carrier Mills	
S46A	Don Dixon Farm, Corydon	
S47A	Hartford	
S48A	Wiedeman Farm, Cecilia	
S49A	Springfield	
S50A	Richmond	
S51A	Beattyville	
S52A	Salyersville	
S52SK	Cirkulane	
S53A	Williamson	
S54A	Dingess, Beckley	
S55A	Lewisburg	
S56A	Natural Bridge	
S57A	Dark Hollow, Roseland	
S58A	Poland Farm, Powhatan	
S59A	Mechanicsville	
S60A	Water View	
S61A	Accomac	
SA-	Seneca	SA-OR
SA01		
SA02		
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SA169		
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SA19		
SA1G	Sarfartoq 1, Greenland	
SA2	San Angelo	SA2TX
SA20		
SA22		
SA23		
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SA27		
SA28		
SA29		
SA2G	Sarfartoq 2, Greenland	
SA2TX	San Angelo	
SA30		
SA31		
SA32		
SA33		
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SA35		
SA36		
SA37		
SA38		
SA39		
SA3G	Sarfartoq 3, Greenland	
SA4	San Angelo	SA4TX
SA40		
SA42		
SA43		
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SA4G	Sarfartoq 4, Greenland	
SA4TX	San Angelo	
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SA82		
SAA	Sakai	
SAAJ	Santo Anto	
SAAM	Sant'Alessio in Aspromonte	
SAAN	San Antonio	
SAAO	Santo Anto, SAMO	
SAARA	Aarau, neue Kantonsschule, AG	
SAAT	Saatly	
SAATT	Saattut	
SAB	Saberio	
SABA	Saba	
SABA3	Sabanitas, Colon	
SABC	Sabc	
SABCS	La Quijada	
SABG	Sable island	
SABN	Sabanita	
SABO	M.te Sabotino	
SABQ	Saba, The Bottom	
SABR	Sanharo	
SABS	Saba	
SABT	Saba	
SABU	Sabunlu, Dalaman, Mula	
SABV	Saba, Juancho Airport	
SABW	Saba, Winward Side	
SAC	San Andreas	
SACA	Loma Carmona	
SACC	Sacramento, California	
SACO	Santo Anto	
SACR	S. Croce Del Sannio	
SACS	San Casciano dei Bagni	
SACU	Santa Cruz	
SACV	Santiago Island	

Code	*Station Name*	*Other*
SAD	Saidpur	
SADA	Sad`ah	
SADC	Saddle Peak	
SADE1	SADE1	
SADE2	SADE2	
SADO	Sadowa	
SADP	Ecuador-Quito-CDC San Antonio de Pichincha	
SADQ	Saint-Augustin-de-Desmaures	
SADR	Isla Saona	
SAE	Statte	
SAF	Zefat	
SAFE3	Santa Fe, Veraguas	
SAFT	Safranbolu	
SAG	Saga	
SAG1	Sangay 1	
SAGA	Saga, Xizang Zizhiqu	
SAGC	St Andrews College Christchurch	
SAGE	Sage Hen Hill, Round Mountain, CA USA	
SAGI	Saggi Highlands	
SAGO	Sagoatoa	
SAH	Sawauchi	
SAHA	Sahara	
SAHE	Sakarya_HENDEK	
SAHO	DHOFAR2 - YR	
SAHR	Sahastru	
SAI	Saigo	
SAI01	Saillon, Rue du Grand Clos, VS	
SAIC	Isla e San Andrs, Archipielago de San Andres, Providencia y Santa Catalina	
SAIG	Aigle Rue de la Gare	
SAIH	SAIHA	
SAIM	ADANA	
SAIP	SAIP	
SAIRA	Les Sairains Dessus	
SAIU	Southern Antelope Island	
SAIV	Sant'Angelo In Vado	
SAJA	Sa'gya, Xizang Zizhiqu	
SAJE	San Jernimo, El General	
SAJU	San Juanillo, Guanacaste	
SAJV	Sajaritas	
SAK	Sakata	
SAKA	AfricaArray/PSU - ZP	
SAKB	Bahrain	
SAKE	Sake	
SAKN	Sanikiluaq	
SAL	Salo	
SAL1	Mina Salobo (Paiol)	
SAL2	Mina Salobo (Macaco)	
SALA	Sala	
SALAN	Lac Salanfe	
SALAO	Salao	
SALB	San Lorenzo Bellizzi	
SALC	Salvajina	
SALEV	Salve	
SALF	Salau	
SALH	Salehabad	
SALI	Salinas	
SALI3	CIMA - Sant'Angelo dei Lombardi	
SALII	SALI	
SALJ	Salt	
SALK	Salom-Alik	
SALM	Salem	
SALN	Salton City	
SALO	Salr	
SALP	Salfit	
SALR	Pechorkino, Salair, Kemerovskaya Oblast', Russia	
SALS	SAN ANTONIO - HORCONCITO	
SALSA	La sagne	
SALT	Sultana	
SALTA		
SALTS	Altdorf, Kantonsspital	
SALU	Saltoluokta	
SALV	Santo Antonio do Leverger, MT	
SALX	Saltillo	
SAM	Samarkand	
SAM1	Iera Moni Zoodochou Pigis, Vathi, Samos	
SAM2	Drakei, Karlovasi, Samos	
SAM9	SAM9	
SAMA	S.Maria delle Mole (Ciampino, Roma)	
SAMG	Sameba	
SAMH	Samovar Hills	
SAML	Samuel	
SAMO	Samokov	
SAMP	Sagada Mountain Province	
SAMR	Samar	
SAMS	Samsun-Alacam	
SAMU	Samuel, RO	
SAN	Santiago	
SAN1	Sandwick	
SANA	San`a	
SANB	Taian	
SANC	Santa Ana	
SAND	Sanderson	
SANDN	Rolleston, SAND	
SANF	Convento San Francisco - Quito	
SANG	Sanger Peak, Six Rivers National Forest, Patrick Creek, CA USA	
SANG2	South of Nakchu	
SANGA	Volcan Sangay	
SANI	Sanana	
SANJ	La Escarcha	
SANL	SANLIURFA_Merkez	
SANLC	El Paraiso, SANL	
SANM	Alcaldia de San Marcos	
SANQ	St-Andre-du-Lac-St-Jean	
SANR	Sandrigo	
SANT	Santorini	
SANTA	Santa Ana	
SANU	Sandwick	
SANV	Sanarito	
SANVU	Saraoutou	
SANY	Sanborn	
SANZ		
SAO	San Andreas Geological Observatory	
SAOF	Saorge	
SAON	Isla Saona	
SA-OR	Seneca	
SAP	Sapporo	
SAP1	Santorini-Akrotiri	
SAP2	Sant'Angelo in Pontano	
SAP2K	Karterados	
SAP3	Santorini-Thirassia	
SAP4	Santorini-Oia	
SAPH	Saphane	
SAPK	Appenzell, Kantonsschule, AI	
SAPN	Saipan	
SAPS	Ciudad Sandino San Andres de las Palancas	
SAQQ	Saqqaq	
SAQUI	Aquin, Sud	
SAQZ	Saqez_Kordestan	
SAR	Sarajevo	
SAR1	Sarti	
SARA	Sarapiqu	
SARA1	Sarapiqu	
SARAR	Arar	
SARC	Ardon Commune, VS	
SARCI	Sarchi	
SARD	Ardez Schule, GR	
SARE	Arbon, Evangelische Kirche, TG	
SAREZ	Barchidev	
SARG	Sarigan	
SARH	Santa Rosa de Copan	
SARI	SarD1z-Kayseri	
SARK	Sarnen Kantonsschule	
SARM	SARMATO	
SARN	Sarigan	
SARO	Sassorosso	
SARP	Sargodha	
SARR	Saratov	
SARS	Nor Kachakap	
SART	Tekirdag	
SARZ	Sarezzano	
SAS	Saskatoon	
SAS10	SASSINORO	
SASA	Sand Point	
SASJ	Santa Mara de Jesºs	
SASM	Sampoiniet, Aceh	
SASS	Sassa	
SAT	Sang-Tuda	
SAT1	San Antonio Texas	
SATA	Santo Anto	
SATE	Sancaktepe, stanbul	
SATI	Passo dei Salati	
SATK	Sarapat	
SATS	Thornton Park	
SATY	Saty	
SAU	Saltair	
SAUF	chteau de Saumane	
SAUI	Saumlaki	
SAUL	Bad Saulgau	
SAUR	Augst-Roemermuseum	
SAUV	Serdivan-Sakarya	
SAV	Savannah	
SAVD	Savudrija	
SAVE	San Marco di Savelli	
SAVF	Savonnieres en Perthois	
SAVIG	Le Moulin, Savigny, Haute-Savoie, FR	
SAVO	Savo Central	
SAW	Saint Andrews	
SAX	Saentis	
SAY	Sayfiye	
SAYF2	Ayent-Fortunoz Trafohaus, VS	
SAYS	Saidy	
SAZ	Santa Maria Island	
SB-	Grafenberg Ar.	GRF
SB02	Marmara Sea	
SB1	Sierra Blanca Array Site 1	
SB2	Sierra Blanca Array Site 2	
SB3	Sierra Blanca Array Site 3	
SB4	Sulfur Bank	
SBA	Scott Base	
SBAF	Basel-Friedhofgasse	
SBAJ2	Basel, St Johann, BS	
SBAK	Basel, Klybeck	
SBAM2	Basel, Mnster, BS	
SBAP	Basel-PUK	
SBAR	Scott Bar, CA USA	
SBAR3	San Bartolo, Chiriqui	
SBAS	Baar Spital, ZG	
SBAT	Basel-Tropenhaus	
SBAV	Basel, Vogelsang, BS	
SBAW	Basel, Wirtschaftsgymnasium, BS	
SBB	Saddle Back Butte	
SBBM	Seririt	
SBBR	Sobral	
SBC	Santa Barbara	
SBCB	Hsinchu	
SBCZ	Sonora Basin	
SBD	Saint Breward	
SBD1	Bryn Du	
SBDA	Sabaudia	
SBDP	Sheikh Budin	
SBDR	Sibiu Dumbrava	
SBE	Sebes	
SBEA	Susan B. English School	
SBEG	Bettingen Gewerbehaus	
SBEN	San Benito	
SBERN	Bern, Kleine Schanze	
SBES	Silver Beach Elementary School	
SBF	Sospel	
SBG	Sibinal	
SBGN	Bergn Schule, GR	
SBH	Shibata	
SBI	Santa Barbara Island	
SBID	Snowbank Mountain	
SBIF2	Birsfelden, Friedhof	
SBIK	Biel, Kongresshaus, BE	
SBIS2	Binningen	
SBJ	Shimobe	
SBJI	Serang	
SBJM	Sanden, Yogyakarta	
SBK	Seabrook	
SBKC	Saddleback Mountain	
SBL	Sacbachol	
SBLHI	Steaming Bluff	
SBLM	St Barthlmy	
SBLS	San Blas	
SBLV	Sobolevo	
SBM	South Baldy	
SBN	Saba	
SBNU	Taloyoak	
SBO	Springbok	
SBP	Subic Bay	
SBPG	Barcellona Pozzo di Gotto	
SBPH	San Jose del Monte	
SBPO	S.Benedetto Po	
SBPR	Sierra Bermeja	
SBQ	Sherbrooke	
SBR	S Black Range	
SBRC	Southbridge School	
SBRN	Brisbane	
SBRS	Brig, Spital	
SBRT	Shubertovo	
SBS	Sidi-Bou-Said	
SBSI	Sibolga	
SBSM	Sungai Beremas, Sumatera Barat	
SBT	San Benito	
SBT1	Cinarcik-Koru-Yalova	
SBT2	Guzelce-Avcilar-Istanbul	
SBT3	Marmara-Ereglisi-Tekirdag	
SBT4	Kumbag-Tekirdag	
SBT5	Esenkoy-Cinarcik-Yalova	
SBTC	Sibate, Cundinamarca	
SBTG	Sabatlo	
SBU	Stansbury Island	
SBUA2	Buchs, Altendorf	
SBUB	Buchserberg Malbun	
SBUH	Buchs, Hochschule	
SBUL	Bulle cole, FR	
SBUM	Sibu	
SBUS	Buochs, Nidwalden	
SBV	Sambava	
SBVC	San Bernardino Valley	
SBY	Sand Bay	
SBZ	Shahbuz	
SBZR	Sabzevar	
SBZV	Sabzevar	
SC-	Sutcliffe	SC-NV
SC01	Santiago de los Caballeros	
SC02	Santiago aeropuerto	
SC2M	Scurtabo	
SCA	Santa Cruz	
SCA01	San Carlo, Sant'Agostino (FE)	
SCA02	San Carlo, Sant'Agostino (FE)	
SCA03	San Carlo, Sant'Agostino (FE)	
SCA04	San Carlo, Sant'Agostino (FE)	
SCA05	San Carlo, Sant'Agostino (FE)	
SCA06	San Carlo, Sant'Agostino (FE)	
SCAC	Scargill	
SCAI	Santa Caterina dello Ionio	
SCAMX	Tres Palmas, SCA	
SCAN	Scandale	
SCAS2	Camedo, Paratoia di Spurgo TI	
SCB	Scarborough	
SCC	Santa Cruz	
SCCA	San Cayetano, Corrientes, Argentina	
SCCB	Santa Clara County Offices	
SCCK	Coley Creek	
SCCM	Colson Canyon	
SCCW	Shoreline CC	
SCD2	Chiriqui, SCD2	
SCE	Schlegeis	
SCE1	Shell Creek	
SCEL	Celerina	
SCER	sogukcermik	
SCF	Sheep Creek Facility	
SCG	Saint Claude	
SCH	Schefferville	
SCHAT	Chtillon, cole, FR	
SCHCA	Scheelite	
SCHD	Schmiedefeld	
SCHE	Schaffhausen-Ebnat	
SCHF	Schoenfels	
SCHK	Churwalden Kloster GR	
SCHL	Schela	
SCHLR	Schela	
SCHM	Mlare	
SCHN	Schinveld	
SCHO	SCHO	
SCHQ	Schefferville	
SCHR	S. Chirico Raparo	
SCHRR	Schitu	
SCHS	Schaffhausen, Spital	
SCHUN	Schuinsdraai Nature Reserve,Limpopo Province	
SCI	San Clemente Island	
SCI2	San Clemente Island 2	
SCIA	State Center	
SCIAC	Sciacca	
SCIAR	Sciara	
SCIC	SCICLI	
SCIG	Sabancuy	
SCJI	Gunung Srandil	
SCJM	Sukaluyu, Jawa Barat	
SCK	South Creake	
SCKWR	San Luis Creek Check 11 ,Merced County	
SCL	Santa Clara	
SCL3	Muro Lucano (Serra Campolungo)	
SCLA	Alcaldia de Santa Clara	
SCLL	Scilla	
SCLRA	Santa Clara, W. de V.Baru	
SCLT	Jiali	
SCM	Sheep Creek Mountain	
SCMO	St. Charles CC	
SCN	Sunset Crater	
SCNT	Darkhovein	
SC-NV	Sutcliffe	
SCO	Scoresbysund	
SCOD	Chteau-d'Oex, salle de spectacle VD	
SCOL	Santa Coloma	
SCOM	Sussex County Emergency Operations Center	
SCOU	Cournillens	
SCP	State College	
SCP1	State College	
SCPH	Surigao	
SCR	San Cristobal	
SCR01	Coaldale, S01	
SCR02	Cotopaxi, S02	
SCR03	Powderhorn, S03	
SCR04	Montrose, S04	
SCR05	Ourey, S05	
SCR06	Curtis Ranch, S06	
SCR07	Westcliffe, S07	
SCR08	Lake City, S08	
SCR09	Moffat, S09	
SCR10	Saguache, S10	
SCR11	Silverton, S11	
SCR12	West of Creede, S12	
SCR13	South Fork, S13	
SCR14	Del Norte, S14	
SCR15	Mosca, S15	
SCR16	Walsenburg, S16	
SCR17	North of Durango, S17	
SCR18	Fort Garland, S18	
SCR19	San Juan River Ranch, S19	
SCR20	Tucker property, S20	
SCR21	Archer property, S21	
SCR22	Bayfield, S22	
SCR23	Grandview, S23	
SCR24	West of Pagosa Springs, S24	
SCR25	San Pablo, S25	
SCR26	Mesita, S26	
SCR27	Case Ranch, S27	
SCR28	La Garita, S28	
SCR29	Ranco del Oso Pardo, S29	
SCR30	Questa, S30	
SCRK	Sand Creek	
SCRN	Santa Cruz	
SCRP	Scyscraper	
SCRT	Cerro San Cristobal	
SCRV	San Cristobal	
SCS	Sicasica	
SCSP	San Jose Seismic Satellite Station	
SCST	Cishan	
SCT	Scotty Lake	
SCT2	Benito Juarez	
SCTE	Santa Cesarea Terme	
SCTR	Scanteiesti	
SCU	Sheep Canyon	
SCUC	Scuol-Clozza	
SCUG	Chur Gewerbeschulhaus	
SCUM	Serra do Cume	
SCUPA	UNPA - Rio Turbio	
SCUT	Santa Clara	
SCV	Saint Croix	
SCVI	Saint Croix	
SCW	Sherman Crater--Mount Baker	
SCX	San Cristobal	
SCY	Stone Canyon Reservoir	
SCYB	Stone Canyon	
SCZ	Santa Cruz	
SCZ2	Santa Cruz Island 2	
SCZA	Scaletta Zanclea	
SCZLJ	Lajas Adentro	
SCZP	Santa Cruz	
SCZRO	Santa Cruz, Renacimiento	
SCZT	Fangliau	
SD01	Santo Domingo	
SDA	Shkodra	
SDAG	Sultandagi-AFYON	
SDAK	Davos, Kongresszentrum GR	
SDAN	Sedan	
SDB	Sa da Bandeira	
SDBA	SAO DESIDERIO	
SDBK	Sde Boker	
SDC	San Diego	
SDCA	Salto do Cavalo	
SDCI	Sindue, Sulawesi Tengah	
SDCO	Great Sand Dunes National Park	
SDD	Santo Domingo	
SDD01	Loma Colora	
SDD02	Loma Siseviere	
SDD03	Loma La Ceniza	
SDD04	Loma El Mogote	
SDD05	Loma Manaclilla	
SDD06	Hatillo	
SDD07	Loma El Cafe	
SDD08	Loma Yayales	
SDD09	Ceiba Bonita	
SDD10	Monte Rojo	
SDDR	Presa de Sabaneta	
SDE	Santiago Estero	TPA
SDEM	Sadie Cove	
SDES	Delmont, Spital JU	
SDF	Sodankyla	
SDG	Sourdough	
SDH	Striped Hills	
SDHHI	Sand Hill	
SDI	San Donato	
SDJ	Sanada	
SDKM	Sandakan	
SDL	Saddle Mountain	
SDLC	Saltdale	
SDLR	Sedlovina	
SDM	Santiago Maria	
SDMC	San Diego Mission Control	
SDMD	Soldier's Delight Natural Environment Area	
SDMZ	Santiago de Maria	
SDN	Sand Point	
SDNR	Sundarnagar	
SDNS	Seddon	
SDO	Salado	
SDOF	Saint-Denis-d'Olron - 17323 - Charente-Maritime - Nouvelle-Aquitaine	
SDOM	Mount Sodom	
SDP	Sudden Peak, Lompoc	
SDPT	Sand Point	

Code	Station Name	Other
SDR	Surduc	
SDRC	San Diego Road Dept, El Cajon	
SDS	Sanatorio Duran	
SDS1	Sardasht. Az. Gharbi.	
SDSI	Sungai Dareh	
SDSM	Sidikalang, Sumatera Utara	
SDSN	Yalova	
SDV	Santo Domingo	
SDW	Sidewinder Mine	
SDYD	Sarandi del Yi, Durazno	
SDYT	Holly Hill	
SE-	Sleepy Eye	SE-MN
SEA	Seattle	
SEAG	Tbilisi Sea	
SEAR	Searcy	
SEAS	Seaside SMO	
SEAV	Seaview	
SEAW	Seatoun School Wellington	
SEB	Sibenik	
SEC	Stevens Creek	
SECA	Sede Caribe UCR	
SECR		
SEDF	Sedefadasi Cinnet	
SEDI	Konya, Seydisehir-Tarasci	
SEDN	First Sedna Site,Hudson Bay	
SEDS	Seddon Fire Station	
SEDU	Stepanovsky lom, Miroslav	
SEF	Sefid Rud	SRI
SEF1	Sefro	
SEFR	Sant' Elia Fiumerapido	
SEFS	Erstfeld, Schule, UR	
SEG	Port Louis	
SEGC	San Emigdio	
SEH	Sehore	
SEHB	SEOHWA	
SEHE	Saha	
SEI	Scarperia	
SEIA	Seiad Valley, CA USA	
SEIS	Thessaloniki	
SEJ	Sejong Station	
SEJI	Senori, Jawa Timur	
SEJM	Sedong, Jawa Barat	
SEK	Senekal	
SEKA	Sheki	
SEKE	Sekot	
SEL	Semlyachik	
SELA	Sela	
SELF	Sixty Eight Flow	
SELL	Sellia	
SELQ	St-Eleuthere	
SELS	Selova	
SELV	Sierra Elvira	
SEM	Semipalatinsk	
SEMD	Semdilli	
SEME	Crotone	
SEMI	Semponon	
SEMM		
SE-MN	Sleepy Eye	
SEMO	Seminario San Jose de La Montana	
SEMOS	Emosson Staumauer, Bunker	
SEMS	emsettin, Krfez, Kocaeli	
SEN	Sendai	
SENA	Sos Enattos	
SEND	SEND	
SENE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
SENGL	Engelberg, Kloster, OW	
SENI	Senigallia	
SENIN	Lac Senin/Sanetsch	
SENK	Senkaya-Erzurum	
SEO	Seoul	
SEPFL	Lausanne EPFL	
SEPFT	Septfontaines	
SEPW	September Lobe	
SER	Sermur	
SERC	Banco Serrana, Archipielago de San Andres, Providencia y Santa Catalina	
SERE	Sereflikochisar	
SEREE	Military Camp, Saraba	
SERG	Sergoula	
SERH	Serinhisar-Denizli	
SERI	Serifos	
SERJ	Array-Uganda/Tanzania zania - ZP	
SERM	Sermide	
SERS	Sersale	
SES	Suffield	
SESA	Seetaler Alpe, Styria	
SESM	LA ISLA	
SESP	Santiago Espada	
SEST	Monte Rota	
SET	Setif	
SET2	Ginetes	
SET3	Pilar	
SET4	Mosteiros	
SETA	Sete Cidades	
SETE	Sete Cidades	
SETU	Setubal (Portugal)	
SEUG	St. Eustatius G	
SEUH	St. Eustatius H	
SEUS	St. Eustatius	
SEUT	St. Eustatius T	
SEV	Sevastopol'	
SEVA	Sevastopol	
SEVE	Sevelten	
SEVS	Severino-Manabi	
SEW	Seward	
SEY	Seymchan	
SEY1	Mahe	
SEYC	Seychelles	
SEYD	Seydisehir-KONYA	
SEYI	Kastamonu-Seydiler	
SEYT	Eskypehyr	ESKT
SF-	Snowflake	SF-AZ
SF01	Poggio Pratacci	
SF03	Valle Cupa	
SF04	Casetta	
SF11	Podere del Sole	
SF13	Bagnolo	
SF14	Selvena	
SF2	Kangerlussuaq 2	
SFA	Sept-Chutes	
SFA1	Serra Facao	
SFAH	San Fernando	
SFAN	Fancy Village	
SF-AZ	Snowflake	
SFB	San Francisco	
SFC	San Francisco	
SFCO	Cabo San Francisco	
SFCP	San Francisco, Cebu	
SFD	Strofades	
SFDO	San Fernando	
SFDR	San Fco. de Macoris	
SFEL	Villigen, Paul Scherrer Institut AG	
SFER	Spokane Schools, Ferris High School ANSS-SMO	
SFF	Sheffield	
SFG	Saint Francois	
SFH	Hasselmere	
SFI	Santa Sofia	
SFIN	Lafayette	
SFIR	Foira Santorini	
SFJ	Sondre	
SFJD	Kangerlussuaq 2	
SFJM	Santa Fe	
SFJWR	San Luis Fatjo Ranch, Merced County	
SFK	Sufi-Kurgan	
SFK1	Sfakia	
SFK2	Vouvas Sfakia	
SFL	San Felipe	
SFL1	Soufli	
SFL3	San Fele	
SFM	San Francisco	
SFM1	San Francisco de Macorix	
SFN	Sterling Forest	
SFNH	San Fernando Hill	
SFNM	Sidi Ifni	
SFNV	Sufian	
SFO	Sterling Forest	
SFOC	San Fernando Open Campus	
SFP	San Felipe	
SFQB	San Francisquito	
SFR	San Francisco--Rincon	
SFR2	sANTORINI Foira	
SFRA	Frenkendorf	
SFRA3	San Francisco, Veraguas	
SFRE	Sierra Foothill REC, California	
SFRN	Safran	
SFRS	Frutigen, Schulhaus Kanderbrueck, BE	
SFRU	Fribourg, Universitt Freiburg, FR	
SFS	San Fernando	
SFT	Stanford Telescope	
SFTF	Sexfontaines	
SFTN	Shelby Forest	
SFTX	Fort Shafter	
SFUC	San Fernando	
SFX	San Felipe	
SFX1	Estrella, SFX	
SFX2	San Felix	
SG-	Seligman	SG-AZ
SG1	Sgolgore (BA)	
SG6*	San Gibilmanna	
SGA	Stephens Glacier	
SGAK	Gampel Kirche, VS	
SGAL	Botticino - San Gallo	
SGAM	Sherman Glacier	
SGAS	Stanga	
SGAZ	Eskisehir, Seyitgazi-Dogancayir	
SG-AZ	Seligman	
SGB	San Diego Bay	
SGBE	Presa Sangregado, berma	
SGBR	La Fortuna	
SGC	Saratoga Golf Course	
SGC08	SANT' ANGELO A CUPOLO	
SGC2	Sao Gabriel da Cachoeira	
SGCB	So Gabriel da Cachoeira, AM	
SGCP	Gonzaga	
SGCY	Sterling City	
SGD	Sagiada	
SGDS	Sogindy	
SGE	South Ridge	
SGEB	BUCURESTI	
SGEM	Genf, Marziano	
SGEV	Genve, Vieux-Billard	
SGF	Sodankyl	
SGF1	San Giovanni in Paganica (AQ), Italy	
SGF2	San Giovanni in Paganica (AQ), Italy	
SGF3	San Giovanni in Paganica (AQ), Italy	
SGF5	San Giovanni in Paganica (AQ), Italy	
SGF6	San Giovanni in Paganica (AQ), Italy	
SGF7	San Giovanni in Paganica (AQ), Italy	
SGFR	San Giovanni in Paganica (AQ), Italy	
SGG	Gregorio Matese	
SGH	Sud-Ghoubbet	
SGI01	Saint George Infrasonic Array Site 1	SGIAR
SGI02	Saint George Infrasonic Array Site 2	
SGI03	Saint George Infrasonic Array Site 3	
SGI04	Saint George Infrasonic Array Site 4	
SGIA	Mirandola	
SGIAR	Saint George Infrasonic Array Beam Reference Point	
SGJ	Sugihashi	
SGK	Hsinkong	HSI
SGKI	Sangatta, Kalimantan	
SGKR	Sergokala	
SGKT	Sivrigoynuk	
SGL	Mount Signal	
SGLK	Glarus, Kantonsspital, GL	
SGLO	Salanguillo	
SGLT	Jiouru	
SGM	Silver Gate	
SGMA	Sangmyun	
SGMF	Saint Gilles	
SGMN	Shimogamo	
SGN	Springfield	
SGNT	Sidi Gnaou	
SGO	Sicignano	
SGP	San Gregorio	
SGPA	San Giuliano Parco Memoria	
SGR	Segre	
SGR1	Siggri Mitillinis	
SGRA	Graechen Ausblick	
SGRN	Sagara	
SGRQ	St-Georges	
SGRR	Singureni	
SGRT	San Giovanni Rotondo	
SGS	Saint George	
SGSC	San Giuliano Nuova Scuola Iovine	
SGSI	Sangihe	
SGST	Jiashian	
SGSU	St. George Fire Station	
SGT	Sevinc	
SGT00	Sennhlsen	
SGT01	Gaiserwald	
SGT02	Zihlschlacht	
SGT03	Degersheim	
SGT04	Schlatt-Haslen	
SGT05	Eggersriet	
SGT18	Golfpark Waldkirch, SG	
SGTA	Sant Agata di Puglia	
SGTM	Malkara	
SGU	Sterling	
SGV	South Grapevine Mountains	
SGVC	San Giovanni in Croce	
SGW	Sigmaringen-Wittberg	
SGY	Signy Island	
SGZ	Semigandzh	
SH-	Shamokin	SH-PA
SH2	Sharm el Sheik	
SHA	Spring Hill	
SHA1	Shidzhatmaz	
SHAA	Shahritus	
SHAB	Shabla	
SHAI	Games and Wildlife Shai Hills	
SHAK	Shakhimardan	
SHAO	Shalim	
SHAP	Saphane-Kutahya	
SHAR	Shatzhatmas	
SHAW	Medical Clinic, Shawira	
SHB	Sechelt	
SHBE	SHBE	
SHBG	Sahibganj	
SHBH1	SHBH1	
SHBH2	SHBH2	
SHBJ	Al Shahba	
SHBL	Chebaa	
SHBS		
SHC	Mount Saint Helena	
SHD	Shahrud	
SHDB	Maple Bay	
SHE	Samaxi	
SHEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
SHEK	Heerbrugg, Kantonsschule SG	
SHEL	Horse Pasture	
SHEM	Shemya Is, Alaska	
SHER	Hrmence, Route du Solitaire, VS	
SHERE	Police Station, Sherkole	
SHEVA	San Basile (CS)	
SHF	Shawinigan Falls	
SHFC	Sheffield School	
SHG	Shirttail Gulch	
SHGH	Shai Hills	
SHGL	Shaar Hagolan	
SHGO	Shushtar	
SHGR	Shooshtar-Gavsavar	
SHH	Sheep Hole Mountains	
SHHB	Siheung-si	
SHHT	Tainan City	
SHI	Shiraz	
SHI1	Shinkiari	
SHID	Shide	
SHIN	Springhill	
SHIO	Shillong	SHL
SHIP	Sredneye Shipitsyno	
SHIU	Shidnytsya	
SHIV	Shivlakha	
SHJ	Shiono misaki	
SHK	Shiraki	
SHK1	Shahrekord	
SHKI	Saki	
SHL	Shillong	
SHLC	Shirley Library	
SHLH	SHLH	
SHLK	SHOLAK	
SHLN	Saint Helena Island	
SHLP	Siplipahar	
SHLS	Shalkode	
SHLY	Spokane Temp K2 (Swanson)	
SHM	Shimizu	
SHMA	Al-Shehemyia	
SHME	Shamm	
SHMJ	Saham	
SHMP	Susana Heights	
SHMS		
SHMT	Shamut	
SHN	Shimonoseki 3	
SHN1	Shimonoseki	
SHN2	Shangus	
SHNJ	Shimonoseki 2	
SHNK	Shenako	
SHNS	Shenavan	
SHO	Shikotan	
SHO1	Shori	
SHOA	Shoalbay	
SHOC	Shoshone, Tecopa	
SHOE	Ohio Stadium, The Ohio State University, Columbus, OH	
SHOFU	Shofu	
SHOH	Showa-Shinzan	
SHP	Santa Helena	
SH-PA	Shamokin	
SHPB	Sharp Point	
SHPR	Sheep Range	
SHQ	Saint-Hilarion	
SHQRE	Shigry	
SHR	Shirakawa	
SHRA	Al Sharaya	
SHRD	Shirahama	
SHRF	Sharaf	
SHRG	Sheep Range	
SHRJ	Shirakawa 2	
SHRK	Shell Rock	
SHRM	Sharm el Sheik	
SHRO	Shahrood	
SHRR	Shira	
SHRS	SHRS	
SHRT	Shahrakht	
SHRTI	Eilot, SHRT	
SHS	Shasta Dam	
SHT	Sharpitor	
SHTA	Agia Triada	
SHTH	Shelter house	
SHTK	Zheleznogorsk-3, Russia	
SHTL	Shatili	
SHTN	Sandy Hook	
SHTS	Shaartuz	
SHU	Shuyak Island	
SHUDU	Vaalwater,Limpopo Province	
SHUI	Shui	
SHUK	Shuksan-Mt. Baker Ski Area	
SHUL	Shoufeng	
SHUR	Shurabad, Azerbaijan	
SHUT	Suhut-Afyon	
SHV	Shimbara	
SHVB	Paradis Home	
SHVTI	SHVT	
SHW	Mount Saint Helens	
SHWD	Sherwood Rancheria, Willits, CA	
SHWG	Array-Uganda/Tanzania zania - ZP	
SHWJ	Shawbak	
SHY	Shemya	
SHYM	Surrey Hills	
SHZ	Shizuoka	
SHZ3	Shizuoka 3	
SHZE	Shinhuzimiza	
SHZF	SHZF	
SHZJ	Shizuoka 2	
SI-	Smithers	SI-BC
SI2	Simi Peak	
SIA	Xi'an	
SIA1	Siatista	
SIB1	Monte Sibilla Italy	
SIB2	Rocca di Montemonaco, Italy	
SI-BC	Smithers	
SIBI	Sibayak Dolok	
SIBR	Sibiu	
SIC	Sept Iles	
SICA	Sicasica	
SICH	Sidi Chahed	
SICLA	Scilla	
SID	Sida	
SIE	Siena	
SIE01	Sierre, Farmhouse, VS	
SIEB	Ecole de Borzuat	
SIERE	Sierre	
SIFF	Sifford Mountain, Drakesbad, CA USA	
SIG	South Ingalls	
SIGP	Signal Peak, CA USA	
SIGR	SIGRI	
SIH	Signal Hill	
SII	Sitkinak Island	
SIJI	Sorong	
SIJM	Sidoarjo, Jawa Timur	
SIL	Silver Peak	
SILA	Clinic, Silare	
SILAM	Silistra	
SILB	Sidney Island	
SILC	Silvia	
SILE	Correggio--Silva	
SILI	Silifke-Mersin	
SILO	Sutton Inlier	
SILR	SILCHAR	
SILT	Sile	
SILV	Silivri-Istanbul	
SIM	Simferopol'	
SIM1	UHE Simplicio	
SIM2	UHE Simplicio	
SIMA	Simav-Kutahya	
SIMAR	Sighetul Marmatiei	
SIMB	Simbario	
SIMG	Tanzanite One Mining	
SIMI	Simarbalatuk	
SIMJ	Simiganj	
SIMPL	Simplonpass	
SIMR	Simon	
SIMRM	Sittwe	
SIMV	Simav	
SIN	Shinagawa	
SINA	Schiltern, Lower Austria	
SINB	Sinanoba-Istanbul	
SIND	Sindeldorf	
SINE	GEYIKLI-TUNCELI	
SING	Singapore	
SINGM	SINGM	
SINGT	Singida	
SINI	Singah	
SINN	Sindhuli	
SINO	SINOP_Merkez	
SINP	Sinop	
SINR	Sinaia	
SINS	Interlaken, Schloss	
SIO	Slick	
SIOM	Sion-Mayennets	
SIOO	Sion-Ophtalmol	
SIOV	Sion-Valere	
SIP	Shinkiari	
SIPA	Siparia	
SIPH	Barangay Tapao	
SIPM	Chiapas	
SIPP	Brgy, Tapao	
SIPV	Sipayare	
SIQV	Siquisique	
SIR	Siria	

Code	Station Name	Other
SIRB		
SIRC	Yozgat	
SIRI	Monte Sirino - Moliterno	
SIRN	Sirnak	
SIRR	Siria	
SIRSI	Siak, Riau, Sumatra, Indonesia	
SIRT	Sirnak	
SIS	Sion	
SISB	Singen-Schiener Berg	
SISC	Sisak	
SISG	Sisimiut, Greenland	
SISI	Saibi	
SISM	Silih Nara, Aceh	
SIT	Sitka	
SIT2	Siteia	
SIU	Simushir	
SIUC	Southern Illinois University	
SIUN	Universidad Uracan	
SIV	San Ignacio	
SIVA	Sivas	
SIVMX	Santa Isabel viejo, SIV	
SIW	Isle of Wight	
SIY	Silver City	
SIZ	Stewart Island	
SIZA	Siyzn	
SIZS	Ilanz Schule GR	
SJ-	San Jose (USA)	SJ-TX
SJA	San Juan	
SJAC	San Juan de Arama, Meta	
SJACM	Jacmel, Sud-Est	
SJAF	Saint Jean de L'Alberes	
SJAS	San Jacinto	
SJB	Cape Saint James	
SJC	San Javier	
SJCC	San Jacinto, Colombia	
SJCH	San Jose de Maipo	
SJER1	Jeremie, Grand'Anse	
SJER2	Jremie, Grand'Anse	
SJES	Sjenica	
SJFS	Springs Junction Fire Station	
SJG	San Juan	
SJG1	San Juan UASD	
SJGC	San Juan (W)	SJG
SJH	Saint Joseph Seminary	
SJI	Sawahan	
SJID	Saint Joe	
SJM	San Jose Maipo	
SJM1	San Juan de la Maguana	
SJMB	Sao Joao De Manteninha	
SJMO	Saint John's Bayou	
SJMP	San Jose	
SJN	San Juan, Peru	
SJNN	Saint John's	
SJNS	San Juan North Secondary	
SJP	San Juan	
SJPF	Ste Jean	
SJPM	Sentani	
SJPY	San Joaquin	
SJQ	San Joaquin Reservoir	
SJR	San Jose	
SJRM	San Jeronimo	
SJS	Escuela Geologia	
SJS3	Mercedes San Jose	
SJT	SanJuan Tecuaco	
SJTE	Alcalda de San Juan Tepezonte	
SJ-TX	San Jose	
SJU	San Juan	
SJUQ	Ste-Julie	
SJUU	Sjulsmark	
SJUZ	Santa Julia	
SJV	Saint John	
SJVI	Gifft Hill School	
SJVR	San Javier	
SJX	San Joaquin	
SK-	Shamrock	SK-TX
SKA	Skalstugan	
SKAC	Skalice	
SKAF	Kaiseraugst-Friedh	
SKAG	Skagway	
SKAR	Skarslia	
SKB	Skidegate	
SKBA	seokbo	
SKBJ	Kato	
SKC	Skalna	
SKD	Sitkalidak Island	
SKDA	Skikda	
SKDB	Saint Kitts 2	
SKDS	Skadanscina	
SKEK	Kerns, Kirchgemeinde, OW	
SKFS	Dunedin St Kilda Fire Station	
SKG	Skaggs Springs	
SKGA	Skagway School	
SKGS	Skaggs Springs	
SKH	Sakata 2	
SKHT	Srikalahasti	
SKHZ	Khezeriat	
SKI	Saint Kitts	
SKIA	Skiathos	
SKJI	Sukabumi	
SKK	Sikka	
SKL	Skilak	
SKLT	Songkhla	
SKLW	Kloten, Waffenplatz, ZH	
SKLY	Ski Hill Lift	
SKMB	Sankelmark Bunker	
SKMP	Bagumbayan, Sultan Kudarat, Philippines	
SKN	Skaneateles	
SKNT	Sakolnakorn	
SKO	Skopje	
SKO1	Skopelos Island	
SKOC	St. Kitts, UWI Open Campus	
SKOMA	Sekoma	
SKOR	Skordalos	
SKP1	Kophill	
SKPM	Senggi	
SKR	Severo-Kuril'sk	
SKR1	Skardu	
SKRH	Sakahara	
SKRK	Kreuzlingen, Kantonsschule TG	
SKSI	Soroako, Sulawesi	
SKSM	Siulak Mukai, Jambi	
SKT	Skwentna	
SKT*	Shikotan	SHO
SKTB	Turtle Beach	
SKTD	Dunsandel	
SK-TX	Shamrock	
SKU	Sakura	
SKW	Shichikawa	
SKY	Skiros Island	
SKY1	Skyros Island	
SKZ	Skazka	
SL-	Sault Ste Marie	SL-ON
SL6*	Punta Lena	
SLA	San Lorenzo	
SLAC	Saint Lucia, Anse Canot	
SLAF	St Laurent du Var	
SLAT	Slait	
SLATY	Slatina	
SLB	Belfond	
SLBB	Yuanshan	
SLBC	Solana Beach	
SLBFM	Sekotong Tengah	
SLBI	Saint Lucia, Bisee	
SLBO	Mina Salobo	
SLBQ	St-Lucie-de-Beauregard	
SLBR	Solanea	
SLBS	Sierra La Laguna	
SLC	Salt Lake City	
SLC1	Sala Consilina	
SLCF	La Chaux de Fonds, Flughafen, NE	
SLCN	Sala Consilina	
SLCP	Castries, St. Lucia	
SLCR	Slobozia Conachi	
SLD	San Luis Dam	
SLDE	Delcer	
SLE	Schleitheim	
SLEB	Sale Mountain	
SLES	Espargos	
SLET	Slettubjorg	
SLF	Silifke	
SLFK	Silifke-Mersin	
SLFW	Sugar Loaf	
SLG	Sinonel	
SLGB	San Luis Gonzaga	
SLGI	Shiliguri	
SLGT	Liugui	
SLH	Sleepy Hollow	
SLHN	Bingol, Solhan-Merkez	
SLI	Saint Lucia	
SLIND	Selinda	
SLIT	Slitere, Latvia	
SLIU	Shizi	
SLJL	Lujali _Shirvan	
SLK	Susurluk	
SLKI	Saumlaki	
SLKM	Skilak Lake	
SLKY	Flemingsburg	FLKY
SLL	Stollet	
SLM	Saint Louis	
SLM1	Salmas. Az.Gharbi	
SLMH	Al Salmeh	
SLMT	Seeley Lake	
SLMY	Selimiye	
SLMZ	Shlomzion	
SLN	Salinas	
SLNA	Salina	
SLNF	Slenfeh	
SLNR	Muhor-Tarhata, Altay Republic, Russia	
SLNS	Linosa	
SLOB	Salo'	
SLOH	Shawnee Lookout	
SL-ON	Sault Sainte Marie	
SLOP	Locarno, Pompieri	
SLOR	San Lorenzo - Cotopaxi	
SLOZ	Alcaldia de San Lorenzo	
SLP	San Antonio	
SLP01	Ubatuba-SP	
SLPA	Patience	
SLPE	Piton Saint Espirit	
SLPK	Sellapark	
SLQ	Saint Louis du Ha Ha	
SLR	Silverton	
SLRCX	San Luis Rio Colorado	
SLS	Soengei Langka	
SLSC	Salsominore Centrale	
SLSM	Sungai Lasi, Sumatera Barat	
SLSO	Stonelick State Park	
SLT	Salta	
SLTA	Morne Tabac	
SLTC	Salton Sea Test Base	
SLTI	Sal'it	
SLTM2	Linthal, Matt	
SLTN	Sullivan	
SLU	San Luis	
SLUB	Luzern Bramberg	
SLUK	Luzern Kirche, LU	
SLUM	Salum	
SLUW	Luzern Werkhofstrasse	
SLUZ	Luzern Zentralbibliothek	
SLV	Seldovia	
SLVF	La Salvetat-Peyrales	
SLVN	Son La	
SLVP	Salvation Pass	
SLVR	Solovky	
SLVT	Silivri	
SLW	Petit Monier	
SLWR	Sila	
SLWS		
SLX	San Luis Ro Colorado	
SLY	Sulaymaniyah	
SLY1	Sulaymaniyah	
SM-	Seymour	SM-TX
SMA	Summerton	
SMA1	SAN MARTINO	
SMAA	Simav-Kutahya	
SMAG	Sao Miguel do Araguaia, GO, Brazil	
SMAI	San Martin Antarctic Base	
SMAJ	Sumiya	
SMAM	San Marcos	
SMAN	Sihmah	
SMAO	Martigny, Rue d'Octodure	
SMAR	Somma	
SMAV	Semnan-Aivanekay	
SMB	Samaipata	
SMB1	Colle San Martino	
SMBI	Sixmile Butte	
SMC	Somerset	
SMCA	Catarina	
SMCB	Saint Mary's College	
SMCF	Saint Martin du Canigou	
SMCN	San Marcos	
SMCO	Snowmass	
SMCQ	St-Marc-des-Carrires	
SMD	Mendips	
SMDO	Samad	
SMDR	Samana, DR	
SMDT	Samandagi	
SME	Santa Rosa Mine	
SMELS	Mels Schulhaus Feldacker, SG	
SMESL	Baie-du-Mesle, Saint-Louis-du-Sud, Aquin, Sud	
SMET	Mascalucia	
SMF	Signal de Mont	
SMFL	Mauren, Feuerwehr, FL	
SMG	Samos	
SMG1	Vathi Samos	
SMGA	Sumqayit	
SMGL	SMGL	
SMGT	Moghavemat	
SMHA	Samh	
SMHS	Summerhill	
SMI	Simla	
SMIA	Simia	
SMIG	Universidad de El Salvador San Miguel	
SMIN	San Mina'	
SMIR	Smir Dam	
SMJ	Shimohsa	
SMJD	Shimonomoto	
SMJM	Simojovel	
SMK	Shimokamo	
SMKB	Mukjeong-gil	
SMKI	Samarinda	
SMKR	Semkarok	
SMKT	Sidi Makhlouf	
SMKY	Sacramento	
SML	Sawmill	
SMLA	Simla	
SMLC	San Martn de Loba, Colombia	
SMLN	Simpson Lake, Nunavut	
SMLT	Sun Moon Lake	
SMM	Ste Marie-Mines	ECH
SMMC	Simmler	
SMMM	San Miguel	
SMMS	Six Mile Mountain	
SMN	Sleeping Mountain	
SMN1	Samana, DR	
SMNB	Stockdale Mountain	
SMNC	South Mountain	
SMNM	San Marcial	
SMNR	Sumner High School ANSS-SMO	
SMO	Santa Rosa Mountain	
SMOE	Moudon cole, VD	
SMOL	Smolenice	
SMORC	Sierra Morena, Bogot	
SMP	Somplago	
SMPI	Sarmi	
SMPL	Sampolo	
SMPN	Simpson Lake	
SMPP	San Manuel, Pangasinan, Philippines	
SMQ	Clarke City	
SMR	Semeru Mts	KEL
SMRA	Abu-Samra	
SMRC	Santa Marta, Magdalena	
SMRD	Mared	
SMRE	Semr	
SMRF	Simiane la Rotonde	
SMRH	Sumara - IBB Gov. - Yemen	
SMRI	Semarang	
SMRK	Smrekonice	
SMRM	Smir	
SMRN	Sveta Marina	
SMRT	St. Maarten	
SMS	Samos	
SMSC	Smeltzer Mountain	
SMSM	Simpati, Sumatera Barat	
SMSP	San Marcos	
SMST	Manzhou Township	
SMT	Sultan-Mazar	
SMTB	Santa Maria do Tocantins	
SMTC	Superstition Mountain	
SMTH	Samothraki Island	
SMTM	Monte Santa Maria Tiberina	
SMTN	Short Mountain	
SMTX	Styx Mill Transfer Station	
SM-TX	Seymour	
SMU	Sunnyside Mine	
SMUK	Muraz-Klaeranlage	
SMUR	Muraz-Reservoire	
SMV	Samsville	
SMW	South Mountain	
SMWA	Shimwon	
SMWD	Samnorwood	
SMWM	Sugarloaf Mountain West	
SMX	San Miguel	
SMY	Shemya	
SMZW	Muttenz-Waldhaus	
SN-	Sunflower	SN-AZ
SN01	Snyder 1	
SN02	Snyder 2	
SN03	Snyder 3	
SN04	Snyder 4	
SN05	Snyder 5	
SN06	Snyder 6	
SN07	Snyder 07	
SN08	Arah	
SN1	Capo Mulini Mare	
SNA	Sanae	
SNAA	Sanae	
SNAG	San Augustine	
SNAL	S. Angelo Dei Lombardi	
SNAR	Sennar	
SNART	Snartemo	
SN-AZ	Sunflower	
SNB	Saturna Island	
SNBI	Sirombu, Sumatera Utara	
SNC	San Nicolas Island	
SNCC	San Nicolas Island	
SNCT	Sancaktepe	
SND	San Diego	
SNDA	J Saunders Place	
SNDB	Serra Nova Dourada	
SNDC	Sand Canyon	
SNE	Sinegor'e	
SNES2	Neuenburg, Observatorium, NE	
SNET	Serv Nac Est Terr	
SNF	Seneffe	
SNFQ	Sainte-Felicite	
SNG	Songkhla	
SNGB	Singi	
SNGE	Sanandaj	
SNGI	Sangi-Kar	
SNGR	Sinegor'e	
SNGS	Sinegor'e	
SNGT		
SNGZ	Shannon Station	
SNH	Sunshine Point	
SNH1	Catey	
SNI	Sanriku	
SNIB	St. Niklaus Bahnhofstrasse	
SNIO	Spokane Nat. Inst. Occ. Safety SMO	
SNIRB	San Nicols	
SNIWA	Snively Ranch	
SNJ	Sinj	
SNJE	San Jose	
SNJI	Sawahan-Nganjuk, JISNET	
SNJK	Sanadaj _Kordestan	
SNJR	Sundja	
SNJT	Kaohsiung City	
SNK	Salina	
SNKA	Sanak Island	
SNKL	Senekal, Freestate Province	
SNKN	Sanikiluaq	
SNKY	Senkaya	
SNL	Sevenhill	
SNLN	Sandy Lake, NWT	
SNLR	San Lorenzo-Esmeraldas	
SNM	Socorro	
SNMR	Sannicolau Mare	
SNN	Xining	
SNNA	sinnyeong	
SNO	Snow College	
SNOP	Sinop	
SNOW	Snow King Mountain	
SNP	Sonepat	
SNP1	Sinop	
SNPH	Sibulan	
SNPL	CANTERA SAN PLACIDO	
SNPN	Snap Lake	
SNPY	Stony Point	
SNQN	Sanikiluaq	
SNQR	Sonqor, Kermanshah	
SNQU	Santaquin	
SNR	Schaffner Ranch	
SNR3	Senerchia	
SNRF	Cinco Dias	
SNRM	Sanremo	
SNS	San Onofre	
SNS1	Sansepolcro	
SNSI	Sinabang, Aceh	
SNST	Tainan City	
SNT	Sears Point	
SNT1	Gialos, Santorini	
SNT2	Vlychada, Santorini	
SNT3	Karterados, Santorini	
SNT5	Nea Kammeni, Santorini	
SNTD	Shikano	
SNTG	Esanatoglia	
SNTZ	Naters, Zentrum Missione, V	
SNU	Stansbury North	
SNUT	Stansbury North	
SNVI	San Vicente	
SNVZ	South Ngauruhoe	
SNW	Nanwan	
SNX	Sinaia	
SNY	Shenyang	
SNZ	Senzan	
SNZ1	S.Nazzaro1	
SNZO	South Karori	
SO-	Sorel	SO-QB
SOA	Owia	
SOB	Sobradinho	
SOB1	Sobradinho	
SOB2	Sobradinho	
SOB3	Sobradinho	
SOB4	Sobradinho	
SOC	Sochi	
SOCA	Concha del hosiptal Solca	
SOCE	Pocosol	
SOCH	Soche	
SOCS	Lower Hutt St Orans College	
SOCV	Socops	
SOCY	Socotra	
SOD	Sodankyl	
SODA	Al Sooda	
SODR	Sosua Marina Base	
SOE	Somerset East	
SOEG	Soedalen	
SOEI	Soe	
SOEJ	Jacaque	
SOEO	Opoqueri	
SOET	ToroToro	
SOF	Sofia	
SOFA	Sofades	
SOFI	Sofiko	
SOFL	Sornfelli, Faroe Islands	
SOFT	Gaziantep	
SOG	Santiaguito	
SOG2	Santiaguito 2	
SOH	Sokhos	
SOHO	SOHO	
SOI	Samo	
SOIM	Smimou	
SOK	Sop, Niakhar	
SOKA	Soboth	
SOKB	Sooke	
SOKH	Sox	
SOKI	Kika Raxquin	
SOKR	Solikamsk	
SOKY	Sonora	
SOL	Solontsovaya	
SOLB	Solothurn Schulhaus Brhl	
SOLC	Bahia Solano	

Code	Station Name	Other
SOLD	Mt. Soledad, San Diego	
SOLI	Solitaire	
SOLO	Sioux Lookout	
SOLS	Olten Spital, SO	
SOLU	Sollefteaa	
SOLUN	Solunto	
SOLZ	Solothurn, Zeughausgasse	
SOM	Sombrero	
SOMA	Soma-Manisa	
SOMAC	Volcano de Colima	
SOMF	Saint-Ouen-de-Mimbre - 72305 - Sarthe - France	
SOMN	Somoto	
SOMS	Somes Island	
SON	Sonneberg	
SONA	Sohna	
SONA0	Songino Array Site A0	
SONA1	Songino Array Site A1	
SONA2	Songino Array Site A2	
SONA3	Songino Array Site A3	
SONA4	Songino Array Site A4	
SONB1	Songino Array Site B1	
SONB2	Songino Ar. Site	
SONB3	Songino Array Site B3	
SONB4	Songino Array Site B4	
SONB5	Songino Array Site B5	
SONE	Songea	
SONG	Songo	
SONM	Songino Array Beam Reference Point	
SONN	Sonnenstein	
SONS	AGAPE Sonsonate	
SONY	Sodus	
SONZ	Sonzapote	
SOO	Sioux Lookout	
SOOO	DHOFAR2 - YR	
SOOWA	Sowa	
SOP	Sopron	
SO-QB	Sorel	
SOR	Soroa	
SORA	SORA	
SORM	Soroca	
SORR	Sorrento (NA), Italy	
SORT	Sorpetalsperre	
SOS	Soda Springs	
SOSA	Sonnblick Observatory	
SOSO	Vda. Mambiloma	
SOSW	Source of Smith Creek	
SOTA	Rioblanco	
SOTI	Planta Incahuasi	
SOTR	Stolb	
SOTS	Sotra	
SOU	Souberoche	
SOUA	Southern Oregon Univeristy DOGAMI SMO	
SOUB	SOUB	
SOUC	SOUC	
SOUD	Souda Bay, Chania, Crete Is.	
SOV	Savoonga	
SOX	Sue Hot Springs	
SOYA	Alcaldia de Soyapango	
SP2	Seward Park 2	
SP7	Salto Pilao - PR	
SPA	South Pole	
SPA0	Spitsbergen Array Site A0	SPITS
SPA1	Spitsbergen Array Site A1	
SPA2	Spitsbergen Array Site A2	
SPA3	Spitsbergen Array Site A3	
SPAC	SPA	
SPAHL	Spahl	
SPAK	Spaichingen-Kochelsberg	
SPAN	Spanish Creek, Manchester, California, USA	
SPAOL	Catania - S. Paolo Viaduct	
SPB	Sao Paulo	
SPB1	Spitsbergen Array Site B1	
SPB2	Spitsbergen Array Site B2	
SPB3	Spitsbergen Array Site B3	
SPB4	Spitsbergen Array Site B4	
SPB5	Spitsbergen Array Site B5	
SPBA	Sand Point BB	
SPBC	San Pablo de Borbur, Boyac	
SPBG	Spurr Blockage Glacier	
SPBR	Spulber	
SPC	Skalnate-Pleso	
SPCA	San Pietro in Casale	
SPCG	Spurr Capps Glacier	
SPCH	San Pedro de Atacama	
SPCI	Split Crater	
SPCN	Chakachatna North Broadband	
SPCP	Crater Peak Broadband	
SPCR	Spurr Chakachatna River	
SPD	Saint Peter's Dome Lookout	
SPDC	San Pietro di Carida'	
SPE	Xi'an	XAN
SPEP	San Policarpo Eastern Samar Seismic Station	
SPF	St-Paul-en-Foret	
SPFD	Spotsylvania Fire Department	
SPFS	Springfield	
SPG	Saltpond	
SPG2	Springville 2	
SPGR	Shapsug	
SPH	San Pedro Hill	
SPI	Saint Paul Islands	
SPIA	Saint Paul Island	
SPIE	Spinoso	
SPIF	crte de Spivol - 06156, Venanson - Alpes-Maritimes - Provence-Alpes-Cte d'Azur	
SPIG	San Pedro Martir	
SPIL	Cristobal, Colon	
SPIN	Swan Pond Ditch	
SPINE	Spinea	
SPIO	Porto Corsini	
SPIR	Sapir Facility	
SP-IS	Saint Paul	
SPITS	Spitsbergen Array Beam Reference Point	
SPIZ	Spitak	
SPJ	Spur Tree	
SPJN	Shinpukuji	
SPK	Scotts Peak	
SPL	Spiridon Lake	
SPLB	Strathcona Park Lodge	
SPLC	Slavetin - Pod lesem	
SPM	Ship Mountains	
SPM1	San Pedro UASD	
SPMC	San Pedro Martir, SPM	
SPMM	Sapulut	
SPMN	Marine on St. Croix	
SPN	Mys Shipunski	
SPN5	Spine 5 MSH Spider	
SPNC	Sapanca-Adapazari	
SPNN	North Nagishlamina, Mt. Spurr	
SPNT	Spineto	
SPNW	Spurr Northwest	
SPNY	Stone Ridge	
SPO	Spokane	
SPO1	SPOLETO	
SPP	Saint Paul	
SPP1	Sappes Rodopi	
SPR	Saint Pierre	
SPR3	Spring Creek 3	
SPRD	Spring Road, Mineral	
SPRG	Spotted Range	
SPRIV	e-Riviere-des-Nippes, pes, Nippes	
SPRL	Sproul Creek	
SPRM	Split Rock	
SPRS	Springfield Volunteer Fire Station	
SPS	San Pedro Poas	
SPS2	Spezzano della Sila	
SPSI	Sidrap Palu	
SPSJM	Serang Panjang	
SPSM	Sitellu Tali Urang Julu, Sumatera Utara	
SPSY	Saint Peters School	
SPT	South Point	
SPT1	SAN POLO MATESE	
SPU	Mount Spurr	
SPUT	South Promontory Point	
SPV	Sa-pa	
SPVI	Shoe Peg Valley	
SPVL	San Pietro Avellana	
SPW	Seward Park	
SPWE	Spurr West	
SPX	San Pedro Martir	
SPY	Shingle Point	
SPY1	Spijk (Roodeschool)	
SPY2	Spijk (Roodeschool)	
SPY3	Spijk (Roodeschool)	
SPY4	Spijk (Roodeschool)	
SPZA	Spitak	
SQD	Susqueda	
SQF	Squaw Harbor	
SQ-IS	Shemya	
SQK	Squaw Creek	
SQL	SQUILLACE	
SQM	Sequim	
SQR	Saqqara	
SQTA	Sankt Quirin	
SQU	Squaw Peak	
SQUM	Sultan Qaboos University, Muscat	
SQX	San Quintin	
SR-	Sparta	SR-OR
SR41	SR410 Landslide	
SRA	San Ramon	
SRA1	San Ramn	
SRAK	Srakaew	
SRAM	San Ramn-Volcn Cotopaxi	
SRAT	Sarat Abidah	
SRB	Samuel	
SRBA	San Rafael, Buenos Aires, Puntarenas	
SRBC	Serra Branca	
SRBF	Surbourg	
SRBH	Sirabahal	
SRBI	Singaraja	
SRC	Salinas Radio Site	
SRCG	Sart'ichala	
SRCK	Saricakaya, Eskisehir	
SRD	San Andres	
SRDE	Serd	
SRDI	Scrawed	
SRDN	Sording	
SRDR	Sredinnyy	
SRDT	SRDT	
SRE	Strehaia	
SRER	Reinach, Rainenweg	
SRES	S.Oreste - Soratte	
SRF	Snake Ranch	
SRFA	Sharaf	
SRFHA	Rafha	
SRFK	ereflikohisar, Ankara	
SRFW	Rheinfelden, Werkhof, AG	
SRG	Seaman Range	
SRGE	Sarghaua, Pohja-Parnumaa, Estonia	
SRGN	SRI GANGA NAGAR	
SRGR	Sergiyevskiy	
SRH	Rilland Hill	
SRHB	Riehen-Baumlih	
SRHE	Riehen, Erlenstrsschen, BS	
SRHH	Riehen, Zur Hoffnung, BS	
SRHM	Skhour des Rehamma	
SRI	Sefid Rud	
SRIG	Santa Rosalia	
SRIN	SRINAGAR	
SRIT	Nakonsritamarat	
SRJ	Sugihara	
SRJD	Shirakawa	
SRK	Sredniy Kalar	
SRKG	Sareki	
SRKH	Sarakhs	
SRKR	Sorokina	
SRKY	Kupres RS	
SRL	Santa Rosalia	
SRLE	Mina Serra Leste	
SRLM	Srisailam	
SRLN	Sarcpa Lake, Nunavut	
SRM	Socorro	
SRMB	Sarakhs	
SRMH	Minami-Gairin	
SRMI	Seram Utara, Maluku	
SRMY	Scherman	
SRN	Sarande	
SRN1	Mina Serra Norte	
SRN3	Sant'Arsenio	
SRNA	Sarnano	
SRNB	Snider Mountain Ranch	
SRNF	Nancay - 18159 - Cher - Centre-Val de Loire	
SRNI	Srinagar	
SRNR	Reinach, Reinacherhof	
SRO	Srobarova	
SRO1	Iza	
SRO2	Moca	
SROF	Saint-Romphaire - Manche - Normandie - France	
SROH	Shade River State Forest Ohio	
SROR	Oratorio, Santa Rosa	
SR-OR	Sparta	
SRP	Santa Rosa	
SRPD	Savannah River	
SRPE	Suurupi	
SRPI	Serui, Papua	
SRPN	Savannah River	
SRPO	La Wantzenau - Station Regionale de Protection des Oiseaux	
SRPW	Savannah River	
SRQ	San Roque	
SRR	Isla Socorro	
SRRS	Sarahart	
SRS	Serrai	
SRS1	Serres	
SRSL	SARDASHT	
SRSP	Sriramsagar	
SRSU	Mina Serra Sul	
SRT	Sarutani	
SRTC	Snort	
SRTK	Saratovka	
SRTM	Siirt_Merkez	
SRTX	Taxisco	
SRU	San Rafael Swell	
SRV	Santa Rosalia	
SRVN	Saravan	
SRW	Sariwon	
SRY	Shiroyama	
SS-	Sanderson	SS-TX
SS01	Susuman-Seymchan profile, station 01	
SS02	Susuman-Seymchan profile, station 02	
SS03	Susuman-Seymchan profile, station 03	
SS04	Susuman-Seymchan profile, station 04	
SS05	Susuman-Seymchan profile, station 05	
SS06	Susuman-Seymchan profile, station 06	
SS07	Susuman-Seymchan profile, station 07	
SS08	Susuman-Seymchan profile, station 08	
SS09	Susuman-Seymchan profile, station 09	
SS10	Susuman-Seymchan profile, station 10	
SS2	San Sevaine	
SS40	Seymchan - Ulakhan Temp Deploy	
SS41	Seymchan - Ulakhan Temp Deploy	
SS42	Seymchan - Ulakhan Temp Deploy	
SS62	Tal-Yuryakh Coal Mine	
SSA	Susara	SSR
SSAN	Sangsangzhen, Xizang Zizhiqu	
SSB	Saint Sauveur en Rue	
SSB3	San Sossio Baronia	
SSBA	Shishaldin	
SSC	Saint Sauveur de Carouges	
SSCN	Schweizerhalle, Novartis	
SSCV	Sassocorvaro	
SSD	Sandimen	
SSE	Sheshan	
SSF	Saint Saulge	
SSF1	Saint Saulge	
SSF2	Shawnee State Forest 2	
SSFO	Shawnee State Forest Ohio	
SSFR	Montelago di Sassoferrato	
SSG	Sans Toucher	
SSH	Sunshine	
SSHA	Shanhua	
SSHG	Shadegan	
SSI	Semisopochnoi Island	
SSIB	Saltspring Island	
SSIG	Sanalona	
SSJ	Shinshu-shinm'i	
SSJM	Sukaraja, Jawa Barat	
SSK	Sunset Peak	
SSKAK	SSKAK	
SSKY	Summer Shade	
SSL	Sunset Lake	
SSLB	Suanglung	
SSLN	Shishaldin North	
SSLS	Shishaldin South	
SSLW	Shishaldin West	
SSM	Saint Martial	
SSM1	San Severino Marche	
SSMI	Siritaun Wida Timur, Maluku	
SSMS	St. Maurice, Haute cole pdagogique du Valais, VS	
SSN	San Juan del Sur	
SSNM	Sessano del Molise	
SSNN	San Juan del Sur	
SSNO	Creighton Mine,Sudbury	
SSO	Sasso d'Italia	
SSOR	Sweet Springs	
SSP	Shoshone Peak	
SSP1	Stoney Pound	
SSP9	Sansepolcro	
SSPA	Standing Stone	
SSPO	Sycamore State Park Ohio	
SSPT	Xinbi	
SSQ	Sandspit	
SSR	Susara	
SSRD	Sdr. Stenderup	
SSS	San Salvador	
SSS1	John Stanford Center Downhole Anss-SM	
SSSM	Sangir, Sumatera Barat	
SST	Susitna	
SSTS	Stans, Spital NW	
SS-TX	Sanderson	
SSU	San Pedro Sula	
SSUO	Shawnee State University	
SSV	Crater Summit	
SSV2	Sao Salvador	
SSVA	Summit	
SSW	Stow on the Wold	
SSX	SS1	
SSY	Sortino	
SSYS	Sasyr	
SSZ	Sekisonzan	
ST-	Stillwater	ST-NV
ST00	South Deqen	
ST01	Deqen	
ST01S	Kamchatka temporary site	
ST02	North Deqen	
ST02S	Kamchatka temporary site	
ST03	South Boqe	
ST03S	Kamchatka temporary site	
ST04	Boqe	
ST05	North Boqe	
ST06	East Boqe	
ST07	Xuru	
ST08	North Xuru	
ST09	South Palgon	
ST1	Streeter	ST1TX
ST10	Palgon	
ST10N	ST10	
ST11	North Palgon	
ST11N	ST11	
ST12	Maintong	
ST12A	North Maintong	
ST13A	West Mington	
ST14	South Pangkog	
ST14A	Pangkog	
ST15	North Pangkog	
ST15A	South Serting	
ST16	Serting	
ST16A	Northeast Serting	
ST17	North Serting	
ST17A	South Bangong	
ST18	Southwest Bangong	
ST18A	East Bangong	
ST18S	Temporary aftershock station near Magadan	
ST19	Bangong	
ST19A	North Bangong	
ST1N	ST1	
ST1S	Stepanavan 1	
ST1TX	Streeter	
ST2	Streeter	ST2TX
ST20	Northwest Bangong	
ST20S	Temporary station #20	
ST21	South Bangong Suture	
ST21A	Bangong Suture	
ST21S	Temporary station #21	
ST22	North Bangong Suture	
ST22A	Northwest Bangong Suture	
ST22S	Temporary station #22	
ST23	Southeast Heping	
ST23A	Southwest Heping	
ST23S	Temporary station #23	
ST24	South Heping	
ST25	Heping	
ST25A	North Heping	
ST26	Southwest Doima	
ST26A	South Doima	
ST27	Doima	
ST28	North Doima	
ST29	Northeast Doima	
ST2N	ST2	
ST2S	Stepanavan 2	
ST2TX	Streeter	
ST30	West Twin Lake	
ST31	Northwest Twin Lake	
ST32	South Thanglha	
ST33	South Jangngalda	
ST34	Jangngalda	
ST35	North Jangngalda	
ST36	Nowhere	
ST37	North of River	
ST38	More Nowhere	
ST39	Middle Nowhere	
ST3N	ST3	
ST4	Streeter	ST4TX
ST40	Last Nowhere	
ST4N	ST4	
ST4TX	Streeter	
ST5N	ST5	
ST6N	ST6	
ST7	Stepanavan 7	
ST8N	ST8	
ST9N	ST9	
STA	Satara	
STA0	Thessaloniki S.S. Downhole	
STA1	Thessaloniki S.S. Downhole	
STAB	Staufenbuehl	
STAC	Stalkov	
STAF	Tafers	
STAG	Santiago	
STAIM	STAIM	
STAL	STALIGIAL	
STAN	Stanford	
STAR	Star City	
STARF	Guisborough	
STAS	St Albans Christchurch	
STAT	Sint Eustatius	
STAU	Staufen im Breisgau	
STAV	Stavanger	
STAX	Taxiarchis Harbor, Nea Kameni, Santorini Island.	
STB	Steinbach	
STBN	Sutton Bonington	
STBO	Bollwiller	
STBON	St. Boniface College	
STBT	Saitabat	
STC	Stone Canyon Observatory	

Code	Station Name	Other
STCAT	Veraguas	
STCC	Santa Clara	
STCH	Steam Cracks	
STCN	STCN	
STCO	Saint Catharines	
STCR	Santa Cruz	
STCV	Stivos	
STCW	Studenec	
STD	Studebaker Ridge	
STDB	Stepnoy Dvorets	
STDG	Sesta Godano	
STDO	Santo Domingo	
STDR	Stavd-Durt	
STE	Stepanavan	
STE00	Stenlille00	
STE01	Stenlille01	
STE02	Stenlille02	
STE03	Stenlille03	
STE04	Stenlille04	
STE05	Stenlille05	
STE06	Stenlille06	
STE07	Stenlille 07	
STEB	Steborice	
STEF	Stefani	
STEI	Steigen	
STEIN	Stein am Rhein	
STEP	BALIKESIR_Savastepe	
STET	Saint-Etienne-de-Tinee	
STEV	Stivos	
STEW	Steamboat Mountain	
STEZ	Stepenevan	
STF	Statfjord A Platform	
STFA	Santa Sofia	
STFAR	Stefanesti-Arges	
STFL	Fournets-Luisans, 25288, Doubs, Franche-Comt	
STFN	Stefani	
STFQ	Sainte-Ursule	
STFR	Stefanesti	
STG	Strathgordon	
STG0	El Palmar, Quitzaltenango	
STG2	El Palmar, Quitzaltenango	
STG3	Santiaguito 3, El Palmar	
STG5	El Palmar, Quitzaltenango	
STG8	El Palmar, Quitzaltenango	
STGK	St. Gallen Kloster	
STGR	Santa Cruz	
STGV	Strathgordon Vge	
STH	Stony Hill	
STHE	Hesingue, 68135, Haut-Rhin, Alsace	
STHK	Thun, Kantonsschule BE	
STHS	Stebnicka Huta	
STHX	Southern Cross	
STI	Star Valley	
STIA	Sitia Lasithi	
STIA3	Santiago, Veraguas	
STID	Stanley	
STIEG	Stiegenhof Hundestation	
STIL	E St Louis HE Ctr	
STIP	Stip	
STJ	Saint John's	
STJA	Cape St.James	
STJN	Saint John's	
STK	Stephens Creek	
STKA	Stephens Creek	
STKI	Sintang	
STKP	Saint Kitts	
STKS	Sign of the Kiwi	
STKZ		
STL	Santa Lucia	
STL1	Stavroupoli Thessaloniki	
STLD	Highbank	
STLK	Strandline Lake	
STLN	Stellar Camp, Hudson Bay	
STLY	Stiles	
STM	Slate Mountain	
STMA	St. Maarten, Airport	
STMI	Saint Michael	
STMMX	Plaza Santa Maria, STM	
STMR	SITAMARHI	
STMT	Stillwater Mine	
STN	Seatoun	
STN3	Satriano di Lucania, Italy	
STNA	SANTA ANA	
STNC	Stoke	
STNU	Starunia	
ST-NV	Stillwater	
STO	Stonyhurst	
STOF	St-Etienne Orgue	
STOK	Stokkvaagen	
STOK1	Konsvik	
STOK2	Flostrand	
STON	Ston	
STOQ	Stoneham	
STP	Stepladder Mountains	
STP02	Teles Pires	
STPA	Saint-Paul - TAAF, France	
STPG	Stavropigio, Messinia, Peloponnese	
STPI	Sausapor, Papua Barat	
STPQ	St-Pascal	
STPRA	Salt Prairie Lookout Tower, Alberta	
STR	Strasbourg	
STR2	Strathalbyn	
STR3	STROMBOLI 3	
STR4	STROMBOLI 4	
STR5	Stromboli 5	
STRD	Stroud	
STRE	Sannotorii	
STRF	Strofades island, Greece	
STRG	Stromboli - Loc. Labronzo	
STROF	presqu'le de Saint-Tropez - 83065, Gassin	
STRR	Strizhament	
STRS	Struganik	
STRT	Eaton	
STRU	Stroemstad	
STRV	Santa Teresa di Riva	
STRW	Triesenberg, Werkhof, FL	
STS	Santiago	
STSI	Silaut, Pesisir Selatan, Sumatera Barat	
STSP	Tschiery	
STSW2	Zeuzier, Stausee VS	
STT	Seattle	
STTC	Scott Ranch	
STU	Stuttgart	
STUF	Presbytere Uffheim, 68341 Uffheim, Haut-Rhin	
STUQ	Sainte-Ursule	
STUT	Stuttgart, Hoppenlaufriedhof	
STV	Sant Anna di Valdieri	
STV1	Stavros	
STV2	Sant' Anna di Valdieri 2	
STVI	Saint Thomas	
STW	Striped Peak	
STW1	West of Nyma	
STWA	Stillwater	
STX	Station 2	
STY	Stony River	
STYH	Taoyuan	
STYT	Tauyuan	
STZ	Stratford	
STZU	Stuzhytsa	
SU-	Schuyler	SU-VA
SU01	SU01	
SU02	SU02	
SU03	SU03	
SU04	Teulada	
SU05	Cortoghiana (CI)	
SU06	San Giovanni Suergiu(CI)	
SU07	SU07	
SU08	Maladroxia - Sant'Antioco (CI)	
SU09	Sa Scrocca - Sant'Antioco (CI)	
SU10	Le Tonnare-Carloforte (CI)	
SU11	Seruci (CI)	
SU12	Porto Botte (CI)	
SU13	Perdaxius- Is Atzoris (CI)	
SU14	Gonnosfanadiga (VS)	
SU15	SU15	
SU2	Superstition Mountain	
SU21	matzaccara	
SU22	matzaccara	
SU23	matzaccara	
SU24	matzaccara	
SU25	matzaccara	
SU26	Carbonia-Iglesias, Loc. Su Bruncu	
SU27	matzaccara	
SUA	Susitna One	
SUB04	SU04	
SUB05	SU05	
SUB06	SU06	
SUB08	SU08	
SUB09	SU09	
SUB10	SU10	
SUB11	SU11	
SUB12	SU12	
SUB13	SU13	
SUB14	SU14	
SUBA	Subi	
SUBF	Surbourg	
SUBO	Sudbury	
SUBS	Subotica	
SUBU	Sulzburg	
SUC	Sucre	
SUC1	Suceava	
SUCA	Sunchang	
SUCK	Suckling Hills	
SUCO	SUCO	
SUCR	Mariscal Sucre-Volcn Cotopaxi	
SUCU	Cuyotenango, Suchitepequez	
SUD	Sudbury	
SUDU	Sudak	
SUE	Sulen	
SUE1	SUT1	
SUE2	SUT2	
SUE3	SUT3	
SUE4	SUT4	
SUF	Sumiainen	
SUFF	Suffern	
SUG	Sugar Island	
SUGR	Sugar Pine Mountain, Hoopa, California	
SUH1	Surhuizum	
SUH2	Surhuizum	
SUH3	Surhuizum	
SUH4	Surhuizum	
SUI	Sui-hua	
SUJ	Sinuiju	
SUK	Suckling Hill	
SUKH	Sukhothai	
SUKHU	Sukoro, SUKH	
SUKL	Sukala	
SUKO	Sukok	
SUKR	Sukko	
SUKT	Sukute	
SUL	Sulphur Creek	
SULA	Sulmona Autoparco	
SULB	Vanderhoof	
SULC	Sulmona Consorzio	
SULE	Dar Sule	
SULJ	Sultana	
SULM	Suchitepequez, La Maquina	
SULP	Sulmona Polizia	
SULR		
SULT	Sultanhani-AKSARAY	
SULTU	Buldan	
SULU	AfricaArray/PSU - ZP	
SULZ	Cheisacher	
SUM	Sumoto	
SUMB	Sumbawanga	
SUMG	Summit	
SUMJS	Umluj	
SUMMV	Summerville Airport, SC, USA	
SUMQ	Sumgait, Azerbaijan	
SUMS	Sumner	
SUN	Sunnyside	
SUND	Sunnydale, South Australia	
SUNG	orum-Sungurlu-Tatlısu	
SUNK	Sunasenri	
SUNO	Sudbury Onaping	
SUO	Sudbury	
SUP	Superstition Mountain	
SUP3	SUP3	
SUP5	SUP5	
SUP6	SUP6	
SUPC	Skalka u Prostejova	
SUR	Sutherland	
SURA	Surathani	
SURC	SANLIURFA_SURC	
SURF	Saint Ours	
SURI	Summit Reservoir	
SURQ	Ste-Clotilde	
SURR	Surduc	
SURT	Suratani	
SURV	Survey Creek	
SUS	Susaki	
SUSD	Miller	
SUSE	Susehri	
SUSE2	Susedel - Ecuador	
SUSI	Lugano, Universit d. Svizzera Italiana, TI	
SUSM	Sekincau, Lampung	
SUSR	Susurluk-Balikesir	
SUSU	Susuz Ky, Bolu, Gynk	
SUSZ	Shushi	
SUT	Suttsu	
SUT1	Suttsu	
SUTB	Sutter Butte	
SUTC	Sutluce-Isparta	
SUU	Santaquin Canyon	
SUUS	Susuman	
SUV	Suva	
SU-VA	Schuyler	
SUVR	Suceava	
SUW	Suwalki	
SUZ	Suez	
SUZR	Suzzara	
SV-	Springerville	SV-AZ
SV1S	Aquistore NE01	
SV2	Schefferville	SV2QB
SV2QB	Schefferville	
SV2S	Aquistore NE01	
SV2X	San Vicente	
SV3	Schefferville	SV3QB
SV3QB	Schefferville	
SV3S	Aquistore NW01	
SV4S	Aquistore SE01	
SV5S	Aquistore NE02	
SVA	Suva	
SVAC	Casa de Sandra Vaca-San Rafael	
SVAM	Vaz, Muldain	
SVAN	Silvan-Diyarbakir	
SVAU	Svanoeiden	
SV-AZ	Springerville	
SVB	Belmont	
SVBS	Severo-Baykalsk	
SVC	Silver Creek	
SVCH	San Vito Chietino	
SVCV	St. Vincent, Congo Valley	
SVD	Seven Oaks Dam	
SVE	Sverdlovsk	
SVEJ	Vevey Jardin du Rivage, VD	
SVFH	Fitz Hughes	
SVG	Indian Gallows	
SVGA	Savoonga	
SVGM	Greiggs Mountain	
SVGT	Georgetown, St. Vincent	
SVI	Saint Vincent	
SVIC	Surveyors Ice Cave, Newberry	
SVIL	Visp Littennaring	
SVIN	Saint Vincent's ČYO School for Boys, San Rafael	
SVIO	Visp Obere Stapfengasse	
SVIS	Svilajnac	
SVISP	Visp, Lonza VS	
SVIT	Visp-Terbinerstrasse	
SVK	Severo-Muysk	
SVKR	Severomuysk	
SVL	Baleine	
SVLR	Shiveluch	
SVM	Silver City	
SVMA	Madeiral	
SVMR	Voluntari	
SVMT	Summit Valley	
SVN	Savane Anatole	
SVNB	Stilesville Quarry	
SVO	Savo	
SVOC	Richmond Hill, Kingstown	
SVOH	Skagit Valley Community College ANSS SMO	
SVP	Silver Peak Range	
SVQ2	Quepos	
SVR	Savage River	
SVRC	Sivrice-ELAZID	
SVRH	Sivrihisar-ESKISEHIR	
SVS	Slandsville	
SVSK	Karacayir	
SVST	Sivas	
SVT	Saint Vincent	
SVT1	Savuti	
SVTA	Shivta	
SVTC	San Vito de Coto Brus	
SVTR	Two Rivers School, Snoqualmie Valley	
SVUR	Severouralsk	
SVV	Soufriere Volcano	
SVW	Sparrevohn	
SVW2	Sparrevohn	
SVWL	Waterloo	
SVWO	Spring Valley Wildlife Area	
SVX	San Vicente	
SVZ	Severnaya Zemlya	
SVZR	Sevazhayr	
SW-	Sweetgrass	SW-MA
SW119	SW119	
SW353	SW353	
SW435	SW435	
SW511	SW511	
SW522	SW522	
SWA	Swan Island	
SWA1		
SWA2		
SWAJ	Obama	
SWAN	Swansea	
SWANH	Swansea Heads	
SWAS	Walenstadt, Sportplatz SG	
SWB	Southwest Bay	
SWCM	Sabbang Paru, Sulawesi Selatan	
SWD	Swaziland	
SWET	Sewanee	
SWF2	Southwest Flank, Mt. St. Helens	
SWFL	Southwest Flank Mount Saint Helens	
SWG	Swingate, Kent	
SWH	Southwest Rift	
SWHSA	Sweathouse Lookout Tower, Alberta	
SWI	Sorong	
SWID	South Whidbey SD ANSS-SMO	
SWIK	Wil, Kantonsschule, SG	
SWIP	Sombrero	
SWIS	Winterthur Spital, ZH	
SWK	Warminster	
SWL	Swaziland	
SWM	Sawmill	
SWM1	Swabi Mera	
SW-MA	Sweetgrass	
SWMT	Swartz Lake	
SWN	Stillwater	
SWN1	Swindon	
SWNC	Swannanoa School	
SWNG	Sheriff Wilson	
SWNM	Swain Mountain	
SWO	Sudbury	
SWO2	Suwon	
SWP	Swamp Creek	
SWPM	Sidey	
SWQJ	Karak	
SWR	Swabi-Maira	
SWS	Schriesheim-Wilhelmstollen	
SWSC	Sam W. Stewart, Westmorland	
SWT	Sachs Harbour	
SWTN	Sewanee	
SWV	Swan View	
SWXO	Sudbury	
SWYZ	Schwyz, Kantonsschule Kollegium, SZ	
SWZ	Schweizer	
SWZ2	AfricaArray - AF, SWZ	
SX-	Salem	SX-SD
SXFK	Yanhouchang	
SXG	Sacranix	
SXI1	Grass Mountain	
SXM	Sixmile	
SXO	Sioux Lookout	
SX-SD	Salem	
SXT	Sachs Harbour	
SY-	Stickney	SY-SD
SYA	Sidi Yaiche	
SYD	Sydney	
SYDH	Sydney Hard Rock	
SYDS	Sydney Soft Rock	
SYI	Shuyak Island	
SYJ	Shimoyama	
SYJI	Sleman, Yogyakarta, Jawa, Indonesia	
SYKE	Friedhofskapelle bei Heiligenfelde	
SYKR	Syktyvkar	
SYL	Syllakh	
SYMB	Survey Mountain	
SYO	Syowa Base	
SYON	Say'un	
SYP	Santa Ynez Peak	
SYR	Smyrna	
SYS	San Ysidro	
SY-SD	Stickney	
SYT	Seydisehir	
SYU	Syuhurei	
SYVJ	Yverdon-Jordils	
SYVP	Yverdon-les-Bains, rue des Philosophes	
SYVR	Suvo	
SYZ	Scrubby Hill	
SZ-	Shoal	SZ-NV
SZAC	Souni	
SZAF	Shezaf	
SZBH	soultz borehole - etangs GEIE	
SZCU	Shurtz Canyon	
SZD1	Zahaedan-tmp	
SZE	Szeged	
SZEK	Zermatt, Kirche VS	
SZER	Zernez	
SZG	Shizugawa	
SZH	Strazhitsa	
SZNP	Siocon, Zamboanga del Norte	
SZ-NV	Shoal	
SZO	Sudbury	
SZP	Santa	
SZUZ	Zrich, Zeughauswiese	
SZVM	Salazar	
SZWD2	Zweisimmen Kirche, BE	
T0101	Poggio Santa Maria	
T0102	San Vittorino	
T0103	L'Aquila	
T0104	Madonna delle Grazie (Coppito)	
T0105	Valle d'Ocre (Ocre)	
T0106	Roio Piano	
T0107	San Pelino (Cagnano Amiterno)	
T0108	Poggio di Roio	
T0109	Coppito (AQ)	
T0110	Collepietro	
T0201	Case Giovannangeli - (Balsorano -AQ)	
T0202	Vitale (Isola del Liri - FR)	
T0203	Casalattico (FR)	
T0204	Pescasseroli (AQ)	
T0205	Ridotti (Balsorano, AQ)	
T031	T031	
T034	T034	
T035	T035	
T036	T036	
T037	T037	
T038	T038	
T039	T039	
T0401	Montottone (Fermo)	
T0402	Abbadia di Fiastra (Tolentino)	
T043	T043	
T044	T044	

Code	Station Name	Other
T0501	Spinello di Santa Sofia (FC)	
T0502	Localit San Martino (Sarsina - FC)	
T0503	Loc. Pratieghí (Badia Tedalda - AR)	
T052	T052	
T053	T053	
T054	T054	
T056	T056	
T057	T057	
T058	T058	
T059	T059	
T05C	Eagle Field, Dos Palos	
T061	T061	
T065	T065	
T066	T066	
T067	T067	
T068	T068	
T069	T069	
T06C	Millerton Lake Dam, Friant	
T070	T070	
T0701	Viggianello (PZ)	
T0702	Acquaformosa (CS)	
T071	T071	
T0711	Rotonda (PZ)	
T0712	Santa Domenica Talao (CS)	
T0715	Campotenese	
T0716	Rotonda - Contrada Piano Incoronata (PZ)	
T0721	Laino Castello	
T0724	Tremoli - CS	
T073	T073	
T074	T074	
T075	T075	
T076	T076	
T077	T077	
T0800	Massa Finalese, Finale Emilia (MO)	
T0802	SanFelice sul Panaro (MO)	
T0803	Dosso, Cento (FE)	
T0805	Bondeno (FE)	
T0811	Palata Pepoli (BO)	
T0812	Loc. Stoppiaro, Poggio Rusco (MN)	
T0813	Massa Finalese, Finale Emilia (MO)	
T0814	Loc. Cortile, Carpi (MO)	
T0815	Correggio (RE)	
T0816	San Bartolomeo in Bosco (FE)	
T0817	Loc. Veratica, Salara (RO)	
T0818	Loc. Fossa, Concordia sulla Secchia (MO)	
T0820	Chiesuol del Fosso FE	
T0821	Loc. Casaglia - Ferrara (FE)	
T0822	Casumaru (Bondeno - FE)	
T0823	Castello D'Argile (BO)	
T0824	Loc. Limidi di Soliera, Soliera (MO)	
T0825	Gonzaga (MN)	
T0826	Rio Saliceto (MN)	
T0827	Moglia (MN)	
T0828	Loc. Fossoli, Carpi (MO)	
T0911	Castelpoggio (MS)	
T0912	Minucciano (LU)	
T0913	Tendola (MS)	
T0914	Serretta (MS)	
T0915	Sillano (LU)	
T0916	Careggine (LU)	
T1011	San Potito Sannitico (CE)	
T1012	Faicchio (BN)	
T10G	T10G	
T1101	Santa Maria Delle Macchie	
T11A	Corn Creek, Alamo	
T11G	T11G	
T1201	Domo (RI)	
T1202	Accumoli, Frazione Villanova (RI)	
T1204	Amatrice, Frazione Cossitto (RI)	
T1211	Morro Reatino (RI)	
T1212	Cascia, Frazione Avendita (PG)	
T1213	Norcia, Frazione Savelli (PG)	
T1214	Arquata del Tronto, Frazione Forca Canapine (AP)	
T1215	Vallo di Nera, Frazione Meggiano (PG)	
T1216	Preci, Frazione Castelvecchio (PG)	
T1217	Poggiodomo (PG)	
T1218	Civita (PG)	
T1219	Muccia, Frazione Massaprofoglio (MC)	
T1220	Camerino, Frazione Baregnano (MC)	
T1221	Campello sul Clitunno, Frazione Spina Nuova (PG)	
T1222	Castel Sant'Angelo (RI)	
T1241	Roccafluvione, Frazione Osoli (AP)	
T1242	Castelluccio di Norcia (PG)	
T1243	Rocca Santa Maria, Frazione Ceppo (TE)	
T1244	Arquata del Tronto, Frazione Spelonga (AP)	
T1245	Castelsantangelo Sul Nera (MC)	
T1246	Crognaleto (TE)	
T1247	Pizzolo (AQ)	
T1256	Bolognola (MC)	
T12A	Moapa	
T12G	T12G	
T13A	Saint George	
T13G	T13G	
T1411	Guglionesi (CB)	
T1412	Lupara (CB)	
T1413	San Martino in Pensilis (CB)	
T1414	Larino (CB)	
T1415	San Leucio (CB)	
T14A	Hurricane	
T14G	T14G	
T14S	T14S	
T1573	Gallitello	
T1574	Salemi	
T1581	Borgo Fazio	
T1582	S. Ninfa	
T15A	Red Dirt Ranch, Kanab	
T15G	T15G	
T1614	Impruneta (FI)	
T1618	Tavernelle (FI)	
T1646	Montespertone	
T1647	Greve in Chianti fraz. Greti	
T1648	Santa Cristina FI	
T16A	Glen Canyon Dam (NPS), Page	
T16G	T16G	
T16S	T16S	
T1711	Rimini	
T1714	Osimo (AN)	
T1718	Cervia, Ravenna	
T1741	San Costanza, Pesaro Urbino	
T1742	Morro d'Alba (AN)	
T1743	Santta Maria dell'arzilla (PU)	
T1757	Portomaggiore (FE)	
T17A	Navajo Res., Navajo Mountain	
T17G	T17G	
T18A	Mexican Hat	
T18G	T18G	
T18S	T18S	
T19A	Beclabito	
T19G	T19G	
T1BD	T1BD	
T1BG	T1BG	
T1MG	T1MG	
T21A	Navajo Lake, Ignacio	
T21G	T21G	
T22A	Edith	
T22G	T22G	
T23A	Casias Ranch, Antonito	
T24A	Torres, Weston	
T24B	San Luis	
T24G	T24G	
T25A	Trinidad	
T25G	T25G	
T26A	Comanche National Grassland Park, Kim	
T26G	T26G	
T27A	Campo	
T27G	T27G	
T28A	Walsh	
T28G	T28G	
T29A	Hugoton	
T29G	T29G	
T2BD	T2BD	
T2BG	T2BG	
T2MG	T2MG	
T30A	Plains	
T30G	T30G	
T30S	T30S	
T31A	Randall Ranch, Ashland	
T31G	T31G	
T32A	Huddler Ranch, Lake City	
T32G	T32G	
T33A	Patterson Ranch, Waldron	
T33G	T33G	
T33K	Petersburg	
T34A	McClaskey Farms, Geuda Springs	
T34G	T34G	
T35A	Sooner Cattle Company, Foraker	
T35B	Sooner Cattle Company, Foraker	
T35G	T35G	
T35M	Bob Quinn	
T36A	Boggs Farm, Caney	
T36G	T36G	
T37A	Cheneyville 1850, Columbus	
T37G	T37G	
T38A	Diamond	
T38G	T38G	
T39A	Clever	
T39G	T39G	
T3BD	T3BD	
T3BG	T3BG	
T3MG	T3MG	
T40A	Mansfield	
T40G	T40G	
T40S	T40S	
T41A	Mountain View	
T41G	T41G	
T41S	T41S	
T42A	Van Buren	
T42G	T42G	
T42S	T42S	
T43A	Greenville	
T43G	T43G	
T44A	Benton	
T45A	Paducah	
T45B	Paducah	
T45G	T45G	
T46A	Princeton	
T46G	T46G	
T47A	Sharon Grove	
T48A	Bowling Green	
T48G	T48G	
T49A	Edmonton	
T49G	T49G	
T4BD	T4BD	
T4BG	T4BG	
T50A	Nancy	
T50G	T50G	
T51A	Gray	
T51G	T51G	
T52A	Hallie	
T52G	T52G	
T53A	Wise	
T53G	T53G	
T54A	Tazewell	
T54G	T54G	
T55A	Pulaski	
T55G	T55G	
T56A	Rocky Mt	
T57A	Hurt	
T58A	Grand View Acres	
T59A	Double "B" Farms	
T5BD	T5BD	
T5BG	T5BG	
T60A	Surry	
T60G	T60G	
T60S	T60S	
T61G	T61G	
T6BD	T6BD	
T6BG	T6BG	
T6MG	T6MG	
T7BD	T7BD	
T7BG	T7BG	
T7MG	T7MG	
T801	T801	
T802	T802	
T803	T803	
T804	T804	
T805	T805	
T806	T806	
T807	T807	
T808	T808	
T809	T809	
T810	T810	
T811	T811	
T812	T812	
T813	T813	
T814	T814	
T815	T815	
T816	T816	
T817	T817	
T818	T818	
T819	T819	
T820	T820	
T897	T897	
T898	T898	
T899	T899	
T8MG	T8MG	
T998	T998	
T999	T999	
T9BG	T9BG	
TA01	Diego Aracena	
TA02	Huaiquique	
TA1	Taranto	TTI
TAA	Terre Adelie	
TAAN	Batan	
TAB	Tabriz	
TAB1	Tabriz	
TABAC	Tabacon	
TABB	Tabernacle Mountain	
TABL	Table Mountain	
TABN	Tabernacle	
TABO	School, Debre Tabor	
TABO3	Taboga, Panama	
TABP	Talibon, Bohol	
TABS	Tabas	
TABU	Tabubil	
TABZ	Tabriz	
TAC	Tacubaya	
TACA	TACA	
TACG	Te Aroha College	
TACH	Talagante	
TACO	Tacachico	
TACS	Tanaga Cape Sajaka	
TACV	Tcata	
TACY	Mexico City	
TAD	Tadotsu	
TADQ	Tadoussac	
TAE	Taegu	
TAF	Taforalt	
TAF1	Taif	
TAFL	Tanaga Flats	
TAFO	Arafo	
TAFP	Tanaga Falls Point	
TAFS	Te Anau Fire Station	
TAFT	Taft - Yazd	
TAG	Tarade	
TAGA	Panbu Gunsar	
TAGC	Espoo, Tapiola	
TAGO	Cartago	
TAGU	TAGU	
TAH	Tahiti	
TAHA	Taeha	
TAHB	Tahsis	
TAHO	Taholah School, Taholah	
TAHR	Tahoe	
TAHT	Tahtakopru-Hatay	
TAHZ	Taraponui	
TAI	Tainan	
TAI1	Yung-k'ang	
TAI2	Tainan City	
TAIA	Teain	
TAIF	At Ta'if	
TAIL	Tailep, Kuzbass, Russia	
TAIS	Taisha	
TAIT	Taita Central School	
TAIZ	Ta`izz	
TAJ	Tanegashima	
TAJ2	Tanegashima 2	
TAK	Takaka	
TAKK	Taka-dake	
TAKN	Takayama	
TAKO	Tahkenitch	
TAL	Talara	
TALB	Tatla Lake BC	
TALC	Talca	
TALL	Tallowa Pump Stn	
TALM	Tallowa	
TAM	Tamanrasset	
TAM2	Geoscope - G, TAM	
TAMA	Ej. Tamaulipas	
TAMA1	TAMSEIS 9900, AN1	
TAMA2	TAMSEIS 9900, AN2	
TAMA3	TAMSEIS 9900, AN3	
TAMA4	TAMSEIS 9900, AN4	
TAMA5	TAMSEIS 9900, AN5	
TAMA6	TAMSEIS 9900, AN6	
TAMA7	TAMSEIS 9900, AN7	
TAMA8	TAMSEIS 9900, AN8	
TAMA9	TAMSEIS 9900, AN9	
TAMB	Tambo	
TAMC	Tame, Arauca	
TAME	Tamenglong	
TAMH	Tambohuasha Chimborazo	
TAMI	Teluk Ambon, Maluku	
TAMR	Tamra	
TAMRE	El Minia	
TAN	Tananarive	
TANA	Aaga	
TANB	Taean	
TANI	Tanete Lipujang	
TANM	Chiapas	
TANN	Tannenbergsthal	
TANO	Tanaga North	
TANS	Tal'yany, Baikal	
TANT	Tantan	
TANV	Tanna	
TAO	Talbingo	
TAOE	Nuku Hiva Island	
TAP	Taipei	
TAP1	Taipei	
TAPA	Tanaga Point Aries	
TAPN	Taplejung	
TAPR	Tapar	
TAPT	Tabas- Tapeh tagh	
TAR	Taranto	
TAR1	Taranto	
TAR2	Tarbela	
TARA	Tarawa	
TARAI	Tarakan	
TARAT		
TARG	Taragay, Kyrgyzstan	
TARIF	Tarifa	
TARL	Tarland	
TARO	Arona	
TART	Taranto	
TARU	Tarkhankut	
TARW	Grand Targhee Resort	
TARZ	Mount Tarawera	
TAS	Tashkent	
TASB	TASBURUN-IGDIR	
TASE	Tanaga Southeast	
TASH	Kencho	
TASI	Tanjung Raya, Sumatera Barat	
TASL	Snake Pit, Albuquerque Seismic Lab	
TASM	ASL Pad, Albuquerque Seismic Lab	
TASP	Talacogon, Agusan del Sur	
TASR	Tashtagol	
TAT	Tateyama	
TATA	Tatamba Isabel	
TATC	Tatama	
TATH	Tatsuka	
TATJ	Tateyama 2	
TATM	Tatong	
TATN	Tataouine	
TATO	Taipei	
TATR	Tatarca	
TATRI	Thathri	
TATS	Tathlith	
TATV	Tatvan	
TAU	Tasmania University	
TAUL	Tau Lekoa	
TAUS	Tauisk	
TAUT	Tautenburg	
TAV	Tavurvur	
TAV1	Tavarnelle	
TAVA	DENIZLI_Tavas	
TAVE	Taveuni	
TAVF	Tavernes	
TAW	Tawu	
TAWA	Tawang	
TAWH	Dawu Township	
TAY	Tayabas	
TAYS	Tayyib Ism	
TAZ	Tarawera	
TB01	Gubbio	
TB02	Pietralunga	
TB03	Pietralunga	
TBAS	Tolaga Bay Area School	
TBBG	TBBG	
TBC	Trig B	
TBCM	Tonra, Sulawesi Selatan	
TBCS	Tauranga Boys College	
TBG	Guadaloupe-3	
TBGR	Tabaga	
TBH	Brigand Hill	
TBHD	Torbat heydarieh	
TBI	Tubuai	
TBIO	Turbio	
TBJI	Tambak Boyo	
TBJM	Torbat-e-JAM	
TBK	Tabalakh	
TBKI	Teluk Bayur, Kalimantan Timur	
TBKS	Tabuk	
TBL	Tabele	
TBLA	Tarbella	
TBLG	Delisi	
TBLN	Tablon, Guarco	
TBLU	Trondheim	
TBM	Table Mountain	
TBM0	Tumbes - Peru	
TBMCM	Bolaang Mongondow	
TBO	Thunder Bay	
TBOT	Tacuaremb	
TBP	Tagbilaran	
TBPA	Tacoma Substation	
TBR	Table Rock	
TBRR	Tiberkul'	
TBS	Tobishima	
TBS2		
TBS3	Volcan, TBS2	
TBT	Taburiente	
TBTG	Tabatinga, AM	
TBTR	Tabat	
TBVI	Tortola	
TBW	Brentwood	
TBY	Torsby	
TBZ	Trabzon	
TC-	T or C	TC-NM
TCA	Tanti	
TCAR	Turcinesti_Cartiu	
TCAS	Cass Winery, Paso Robles	
TCBC	Telegraph Creek	
TCBU	Trout Butte	
TCBUT	Trout Creek Butte at 3-Sisters	
TCC	Turnbull Canyon	
TCE	Chacachacare	
TCF	Toulx Ste Croix	
TCG	Tacana	
TCH	Chimkent	CHM

Code	Station Name	Other
TCHA	Chavao	
TCHB	Talchebab	
TCHG	Chaguaramas	
TCHI	Chimiche	
TCHL	Shandon	
TCHZ	Tchakhmakh	
TCK	Tuttle Creek Reservoir	
TCKMX	Roa, TCK	
TCKP	Tabuk City, Kalinga	
TCM	Tucuman	
TCMO	Camaiore	
TCN	Toconce	
TC-NM	Truth or Consequences (T or C)	
TCNV	Thirsty Canyon	
TCO	Three Creek Meadows	
TCOL	CIGO, UAF Yankovich Road, Fairbanks	
TCP	Tocopilla	
TCPM	Tecamachalco	
TCPZ	Tecapa	
TCR	Colchester	
TCRU	Three Creeks Reservoir	
TCS1	Tacares	
TCSI	Telchick Spring	
TCSL	Casola in Lunigiana	
TCSO	Tacares	
TCT	Tennessee City	
TCU	Taichung	
TCUP	Taichung Port	
TCUT	Toone Canyon	
TCVU	Timpanogos Cave	
TCW	Tory Channel	
TCX	Tecpatan	
TCY	Tin City	
TD-	Tres Piedras	TD-NM
TDA	Talladega	
TDAG	Tekirdag	
TDBA	Terre de Bas, Les Saintes	
TDC	Trinidad (USA)	
TDC1	Tristan de Cunha	
TDCB	Techi	
TDD	Tadjoura Ara	
TDG	Tsikhis-Dzhvari	
TDG01		
TDG03		
TDH	Tom, Dick, Harry Mountain	
TDHS	Te Araroa District High School	
TDJ	Tadjoura	
TDJR	Todzha	
TDK	Taldyqorghan	
TDL	Tradedollar Lake	
TDM	Tucson Desert	
TDMT	Tunduma	
TDN	Todenfeld	
TD-NM	Tres Piedras	
TDR	Todoroki	
TDRA	Tendrara	
TDS	Terranova Sibari	
TDT	Tavil'dara	
TDV	Tam Dao	
TE-	Thule	TE-GL
TEB	Eastbourne	
TEBE	Entebbe	
TEC	Tlemcen	
TEC1	Magadan Thermoelectric Plant	
TECA	Tecapa	
TECM	TEC LaTrobe	
TECO	Alcaldia de Tecoluca	
TECR	Tecuci	
TEE	Teeples Ranch	
TEEBA	Mateeba, Summerville SC	
TEFE	Tefe	
TEFL	Tefeli, Heraklion, Crete, Greece	
TEGC	Jichi Village	
TEGH	Tema	
TEGI	Teggiano - Istituto P. Leto	
TE-GL	Thule	
TEH	Tehran	
TEHA	Amirabad Tehran	
TEHZ	Te Atua	
TEIG	Tepich	
TEJ	El Tejon	
TEJU	Tejupilco	
TEK	Teekin	
TEK1	Thessaloniki EKO Refinery	
TEKE	Tekeli-Mersin	
TEKI	Tekirdag	
TEKS	Tekeris	
TEL	Teeli	
TEL3	Telica 3	
TELL	Tel, Azerbaijan	
TELN	Telica	
TEM	Temuco	
TEMBE	Tembe Elephant Park,KwaZulu Natal	
TEME	Temeni, Aigialia, West Greece	
TEN	Tenerife	
TENA	Tena	
TEND	Ethiopian Broadband Seismic Experiment	
TENKA	Tenk	
TENO	El Achiote	
TEO	Teotitlan	
TEOL	Teolo	
TEP	Tecpan	
TEPE	Tepekoy-Mersin	
TEPI	Tepic	
TEPK	Tepekoy-MERSIN	
TEPS	Wellington Te Papa Museum	
TEPV	Terepaima	
TER	Terranova	
TER01	Tubaro-SC	
TERC	Ethiopian Broadband Seismic Experiment	
TERE	TERE	
TERF	Tercis-les-Bains	
TERO	Teramo	
TERP	Poasito	
TERR	Teriberka	
TERV	Terraza Guagua	
TES	Teshikaga	
TESP	La Esperanza	
TESR	Tescani	
TET	Tete	
TETE	Tete	
TETM	Tetitlan	
TETR	Tetrakomo, Epirus, Greece	
TETT	Tettnang	
TEVE	Tevekalti-Mersin	
TEY	Ternei	
TEYL	Yanliau Village	
TEZP	TEZPUR	
TF-	Taft	TF-CL
TFAS	Fasnia	
TF-CL	Taft	
TFER	TFER	
TFIV	Fivizzano	
TFLO	Trinidad	
TFLT	Tafoughalt	
TFO	Tonto Forest Array	
TFO1	Folkestone	
TFR	Tafraoute city	
TFRB	Telus,Franklin R.	
TFSS	Wellington Thorndon Fire Station	
TFT	Tounfite	
TFUA	Ha apai	
TG-	Tongareva I.	TG-IS
TGA	Tangissart	
TGAL	Galeota Point, Trinidad and Tobago	
TGBT	Tuxtla Gutierrez	
TGCM	Telaga, Gorontalo	
TGG	TREGNAGO	
TGI	Taghi Ghambar	
TGIG		
TG-IS	Tongareva Island	
TGJ	Targu Jiu	
TGJI	Tegal	
TGL	Tana Glacier	
TGMR	Targu Mures	
TGN	Turgen	
TGO	Tongo	
TGRS	TashGRES	
TGRV	El Tigre	
TGRZ	Tauranga	
TGS	TashGRES	
TGSR	Targu_Secuiesc	
TGT	Taghat	
TGTN	Hyland Airport, Yukon	
TGUH	Tegucigalpa,Univ of Honduras	
TGUI	Guia de Isora	
TGV	Tuan Giao	
TGY	Tagaytay City	
THA	Thala	
THAK	Thakurichhap	
THAL	Thalero	
THAN	Thanula	
THAS	Thassos island	
THAZ	Thazima	
THC	Tehachapi Microwave	
THE	Thessaloniki	
THE6	Thessaloniki CITY Hotel	
THE7	Thessaloniki sewage pipe	
THEF	They Montfort	
THERA	Ancient Thera,Santorini,Greece	
THEZ	Tehuacan	
THHS	Taihape Hospital	
THI	Terre Haute	
THI1	Ipato,Thiva,Greece	
THI2	Moni Theologou Mazaraki, Thiva, Greece	
THI3	Timios Stavros Vagia, Thiva, Greece	
THIG		
THIS	South End of Cholame Valley, Shandon	
THIV	KEPV Thivas, Viotia	
THK	Tsim Bei Tsui	
THKV	Tehran--Karaj	
THL	Klokotos Trikala	
THMB	Thunder Mountain BC	
THN	Thein Dam	
THNO	Tinos Is.	
THO	Tonto Hills Observatory	
THO1	Thor	
THOB	Mount Thompson	
THOM	Thompson Peak, Cecilville, CA USA	
THOR	Thorvaldshraun	
THP	Tara Hills	
THQ2	Tauhara North	
THR	Tehran	
THR1	Thera Island	
THR2	Thira island, Vourvoulos	
THR3	Thira Island, Nea Kammeni	
THR4	Thira Island, Oia	
THR5	Thira Island, Kera	
THR6	Thira Island, Akrotiri	
THR7	Fira-Santorini	
THR8	Santorini-Monolithos	
THR9	Santorini-Faros Akrotiriou	
THRA	Thira	
THRC	Three Sisters	
THRI	Tanaharon	
THS	The Heights School	
THS1	Thassos, Thassos Island	
THSA	Thassos	
THT	Papeete	
THT1	Athinios (Pelekanos)	
THT2	Imerovigli	
THTN	Thala	
THTP	Takhtakupir	
THTRI	Thathri	
THU	Thule	
THUI	La Thuile	
THULE	Thule	
THV	Thanh Hoa	
THV2	THIVAI	
THVA	Theva	
THVM	De Xico	
THW	Thamme Wali	
THWA	Thringer Wald Luisenthal	
THY	Trims Highway	
THZ	Tophouse	
TI2	Plekhanov	
TIA	Tai'an	
TIAR	Tiarei	
TIBA	Tibas	
TIC	Toumodi	
TICA	Tres Isletas	
TICN	Ticuantepe	
TID	Three Point Mountain	
TIE	Tianjin	
TIER	Stollen Tierberg Steinach	
TIF	T'bilisi	
TIG	Tigre	
TIG2	Cerro Tigre, Buenos Aires de Puntarenas	
TIGA	Tifton	
TIGG	Tignish, PEI	
TIGL	Tigil	
TIH	Tihany	
TIJ01	Guaruva-PR	
TIK	Tiksi	
TIL	Tilichiki	
TILA	Tilaran	
TILK	Tilichiki	
TILR	Tilichiki	
TIM	Timisoara	
TIMB	Timberline	
TIMO	Timmins Ontario	
TIMP	Tierras Morenas	
TIN	Tinemaha, Big Pine	
TINA	Tinaroo	
TING	Casa Alexandra Alvarado - Tingo	
TINO	Tinogasta	
TINT	Rio Tinto	
TI-NV	Tolicha Peak	
TIO	Tiouine	
TIOV	TMO PEDROTE	
TIP	Timpagrande	
TIPB	Shuangxi	
TIPN	Tipitapa	
TIPT	Tiptonville	
TIR	Tirane	
TIR1	Institute of Geosciences in Tirana	
TIRA	La Tirana	
TIRI	Matiri	
TIRP	Brgy. Gulod. Binangonan Rizal, Talim Island	
TIRR	Tirgusor	
TIRS	Atiamuri Tirohanga School	
TIS	Tissa	
TISA	Tisan-Mersin	
TISM	Timmit	
TISMR	San Ramon, TISM	
TISN	Laguna Tiscapa	
TIT	Squaw Tit	
TITE	Tito	
TIV	Tivives	
TIWZ	Tintock	
TIXI	Tiksi	
TIY	Taiyuan	
TIYB	Tien Yen	
TJC	Trinidad (USA)	
TJIG	Tijuana	
TJN	Taejon	
TJOU	Tjoern	
TJR	Tejon Ranch	
TJX	Tijuana	
TK-	Tonasket	TK-WA
TK01	Tokai 1	
TK02	Tokai 2	
TK03	Tokai 3	
TK04	Tokai 4	
TKA	Tanaka	
TKB	Tkibuli	
TKBA	Djibouti, TKB	
TKC	Tsukechi	
TKCNA	Presa El Carrizo, Tecate	
TKCO	King County	
TKD	Takada	
TKDS	Koohdasht(Tabas)	
TKE	Take-yama	
TKEZ	Kiri Road	
TKGZ	Te Karaka	
TKHS	Te Kuiti High School	
TKI	Tkibuli	
TKJ	Takada	
TKJD	Tokuyama	
TKK	Topkok	
TKL	Tuckaleechee Caverns	
TKM	Takamatsu	
TKM2	Tokmak 2	
TKMK	Tokmak	
TKN	Takane	
TKNZ	Takaka Hill	
TKO	Trask Mountain	
TKR	Tekirdag	
TKRD	Thakurdwara	
TKS	Tokushima	
TKSJ	Tokushima 2	
TKSM	Tiganderket, Sumatera Utara	
TKT	Tuktoyaktuk	
TKTP	Tekketepe	
TKU	Takayasuyama	OSK
TK-WA	Tonasket	
TKX	Tecate	
TKY	Takayama	
TKZ	Takazawasan	
TLA	Tapachula	
TLAR	Talaya	
TLAX	Ej. Tlaxcala, Mexicali	
TLB	Topalu	
TLBR	Topalu	
TLBS	Tolbacick	
TLC	Trig L	
TLCB	Telegraph Cove	
TLCM	Tomoni, Sulawesi Selatan	
TLCR		
TLE	Tual	
TLEK	Tau Lekoa	
TLG	Talgar	
TLI	Talmassons	
TLIG	Tlapa	
TLIN	TLI	
TLIS	Tenkeli	
TLK	Talkeetna Mountains	
TLKV	Tolkaevka	
TLL	Tololo Astronomical Observatory	
TLLA	Tiendilla	
TLM	Tolmezzo	
TLM2	TOLMEZZO	
TLN	Talang	
TLNG	Tallong	
TLO	Toledo HGLP	
TLON	Talon	
TLOR	Lorca, Murcia	
TLP	Tuguegarao	
TLR	Teller	
TLS	Talasea	
TLT	Tellico Plains	
TLTR	Tlyarata	
TLUC	Lucca	
TLV	Tu Ly	
TLVM	San Miguel Topilejo	
TLWR	Talawar	
TL-WY	Thermopolis	
TLX	Tulancingo	
TLX2	Tlaxcala 2	
TLY	Talaya	
TLZ	Tolley Road	
TM-	Tomahawk	TM-WS
TMA	Tamaro	
TMAB	Tom-Au,PA,Brazil	
TMB	Temblor Range Southeast	
TMB01	Midkiff	
TMB02	Rankin	
TMB04	Seminole	
TMB05	Klondike	
TMB06	Greenwood	
TMB07		
TMBK	Timbaki Heraklio	
TMBR	Timber Mountain	
TMBS	Taieri Mouth Beach School	
TMBU	Tom Butte, Newberry	
TMC	Table Mountain	
TMCH	Temuco	
TMCR	Tamitsa	
TMD	Tamdy-Bulak	
TMDA	Turtle Mountain	
TMDB	BangkokBB_BH_low_level	
TMDS	Te Marua Water Treatment Plant	
TME	Tecomasuche	
TMHS	Thames High School	
TMI	Taylor Mountain	
TMIA	Guayabo	
TMK	Temiskaming	
TML	Taimylyr	
TMM	Tecnologico de Monterrey	
TMM2	Tecnologico de Monterrey 2	
TMN	Timber Mountain	
TMN1	Menemeni	
TMNR	Tamanskiy	
TMO	Tin Mountain	
TMP	Tomahawk Gully	
TMR	Tomakomai	
TMS	Mera	
TMSM	Teramang Jaya, Bengkulu	
TMT	Talcott Mountain	
TMTMM	Tehoru	
TMU	Temuco	
TMU2	Macedonia Univ,	
TMUT	Trail Mountain	
TMVZ	Te Maari	
TMW	Tok Microwave	
TM-WS	Tomahawk	
TMWZ	Te Maipa	
TMX	Tampico	
TMZ	Timaru	
TN-	29 Palms	TN-CL
TN05	Corleto Perticara (PZ)	
TNA	Tin City	
TNAK	Tsuna	
TNB	Tanabu	
TNC	Tunceli	
TNCH	TengChong	
TNCL	Tunceli-Merkez	
TN-CL	Twentynine Palms	
TNDR	Tynda	
TNE	Ternate	
TNF	Tounfite	
TNG	Tangerang	
TNGL	Gungliau Township	
TNGT	Tongatapu	
TNH	Tianshui	
TNJ	Tannan	
TNK	Tinkers Knob	
TNKJ	Nakagawa	
TNKS	Turikan	
TNL	Tonnelnyy	
TNN	Tanana	
TNO	Torino	
TNOR	Teide Nord	
TNOU	National Taiwan Ocean University, Keelung City	
TNOVA	Terranova di Pollino (PZ)	
TNP	Tonopah	
TNR	Turnu Rosu	
TNRJ	Tenryu	
TNS	Taunus Mts	
TNSA	Tinos	
TNSD	Shindian Village	
TNSJ	Nastanj	
TNSS	Tian-Shan	
TNT	Toronto	
TNTG	T'onet'i	
TNTI	Ternate	
TNU	Tenhult	
TNV	Terranova Bay	
TNZ	Tarata	
TO-	Tishomingo	TO-OK
TO01	Tolfa - RM	
TO02	Allumiere - RM	
TO03	Canale Monterano - RM	
TO04	Tolfa - RM	
TO05	Santa Marinella - RM	
TO06	Tarquinia - VT	
TO07	Tarquinia - VT	
TO08	Barbarano Romano - VT	
TO09	Civitella Cesi - VT	
TOA	Tolsona	
TOA0	Torodi Ar. Site	
TOA1	Torodi Ar. Site	
TOA2	Torodi Ar. Site	
TOA3	Torodi Ar. Site	
TOAD	Toad River Community Hall	
TOAZ	Toaza	
TOB	Tobago	

Code	Station Name	Other
TOB1	Torodi Ar. Site	
TOB2	Torodi Ar. Site	
TOB3	Torodi Ar. Site	
TOB4	Torodi Ar. Site	
TOB5	Torodi Ar. Site	
TOBO	Tobermory, Bruce Peninsula National Park	
TOBT	Tobi-shima	
TOC	Tocklai	
TOC1	Torodi Ar. Site	
TOC2	Torodi Ar. Site	
TOC3	Torodi Ar. Site	
TOC4	Torodi Ar. Site	
TOC5	Torodi Ar. Site	
TOC6	Torodi Ar. Site	
TOC7	Torodi Ar. Site	
TOCH	Tocopilla	
TOCM	Towuti, Sulawesi Selatan	
TOCO	Toco Health Centre	
TOD	Tromm	
TOEM	Tobago TEMA	
TOES	Presa Toro II, estribo izq	
TOF	Tornio	
TOFB	Tofino	
TOG	Togane	
TOI	Tomamai	
TOIG	Toxpalan	
TOJI	Tomo, Jawa Barat	
TOK	Tokyo	
TOK1	Tok Station 1	
TOK2	Tok Station 2	
TOK3	Tok Station 3	
TOK4	Tok Station 4	
TOKA	Tokat	
TOKL	Toktogul	
TOKS	Te Oka Bay Road SW Banks Peninsula	
TOKT	Tokat	
TOL	Toledo	
TOLA	Matola	
TOLC	Tolima	
TOLD	Palenque	
TOLF	Tolfa	
TOLH	Tollhouse, CA USA	
TOLI	Toli-Toli	
TOLI2	Tolitoli	
TOLK	Toolik Lake Research Station	
TOLO	Toledo BPA CREST BB SMO	
TOM	Tomie	
TOMA	Boca Toma-Volcn Cotopaxi	
TOMAT	Tomatlan	
TOMM	Thomson	
TOMO	Tobago Mt Moriah	
TON	Tongariro	
TON2	Tonala	
TONGO	Tortengo (Faido)	
TONS	Talon	
TOO	Toolangi	
TO-OK	Tishomingo	
TOP	Topolovo	
TOPG	Topolog	
TOPM	Tallapoosa	
TOPO	Topo	
TOPPO	Toppo, Italy	
TOR	Tori shima	
TOR05	TORRECUSO	
TORD	Torodi Ar. Beam	
TORE	Minerbio--Torre	
TORI	Toribari	
TORNY	Torny/Romont	
TORO	Toronto--Leslie Street Spit	
TORR	Tordecillas	
TORS	Torosgyugh	
TORT	La Tortuga	
TORV	Torococo	
TOS	Tosya	
TOSI3	Tonosi	
TOSP	Speyside	
TOT	Tottori	
TOT1	Toteng	
TOTH	TOTAH	
TOTI	Torti	
TOTJ	Tottori	
TOU	Touzarine	
TOUF	Mont Tournerait	
TOV	El Tocuyo	
TOVM	TOLUCA	
TOVZ	Tovuz,Azerbaijan	
TOW	Tower One	
TOY	Toyama	
TOYT	Toytepa	
TOZ	Tahuroa Road	
TP-	Tippipah	
TP2	Tecpan 2	
TPA	Tala Pozo	
TPAR	Parque del Teide	
TPAW	Teton Pass	
TPB	Topolobampo	
TPB01	Permian Basin 1	
TPB03	Saragosa	
TPB04	Verhalen	
TPB05	Hovey Rd	
TPB06	Permian Basin 6	
TPB07	Mentone	
TPB08	Permian Basin 8	
TPB09	Culberson County	
TPB10	Southeast of Toyah	
TPB11	China Draw	
TPB12	Southwest of Toyah	
TPB13	Reeves - Culberson Border	
TPB14		
TPB15	Southwest of Coyonosa	
TPB16	Coyonosa	
TPB17		
TPB18		
TPB19	West of Imperial	
TPB21		
TPB27	North of Pyote	
TPB28		
TPB29		
TPB30		
TPC	Twentynine Palms	
TPCI	Taopa, Sulawesi Tengah	
TPE	Tepelena	
TPFO	Pinon Flats	
TPG	Tlapa	
TPGR	Topolog	
TPH	Tonopah	
TPI	Tanjungpandan	
TPICX	Tepic	
TPIG	Tehuacn	
TPJ	Tangkuban Prahu	
TPK	Tolicha Peak	
TPL	Tocopilla	
TPLC	Templeton School	
TPM	Tepoztlan	
TPMO	Tallapoosa	
TPMT	Tepee Creek	
TPN	Tapini	
TPND	Tumut Pond Dam	
TPNV	Topopah Spring	
TP-NV	Tippipah	
TPO	Tropico Hills	
TPOR	Trinity Point	
TPP	Pointe-a-Pierre	
TPPS	Taupo Police Station	
TPR	Prospect	
TPRI	Tanjung Pinang	
TPRS	Tripped Ranch	
TPRT	Prato	
TPRV	Parvadeh(Tabas)	
TPSI	Tangse, Aceh	
TPSO	The Peters Seismological Observatory	
TPSR	Tuapse	
TPT	Tiputa	
TPTC	Pt. Cumana	
TPTI		
TPU	Tempiute Mountain	
TPUB	Ta-pu	
TPV	Tonopah	
TPVN	Tapovan	
TPX	Tapachula	
TPZ	Tupiza	
TQ00	Dong Hua	
TQ01	Dali	
TQ02	Buluowan	
TQ03	Lushui	
TQ04	Shuiliandong	
TQ05	Kalabao	
TQ06	Guanyuan	
TQ07	Mt. Hehuan	
TQ100	Baiyang Upstream	
TQ101	Baiyang Downstream	
TQ102	Shakadang Upstream	
TQ103	Shakadang Downstream	
TQ14	Luoshao	
TQHO	DHOFAR2 - YR	
TQ-MS	Tatum Dome	
TQP	Tayabas	TAY
TQTN	Tranquillity	
TQV	Tuyen-Quang	
TR01	Tempa Rossa 01	
TR02	Tempa Rossa 02	
TR03	Tempa Rossa 03	
TR04	Tempa Rossa 04	
TR05	Tempa Rossa 05	
TR06	Tempa Rossa 06	
TR07	Tempa Rossa 07	
TR08	Tempa Rossa 08	
TR09	Tempa Rossa 09	
TR1	Tor 1	
TR10	Tempa Rossa 10	
TR11	Tempa Rossa 11	
TR12	Tempa Rossa 12	
TR2	Tor 2	
TRA	Travnik	
TRAE	Tramutola	
TRAF	Turaif	
TRAM	Private Property, Shandon	
TRAN	Tran	
TRAP	Trapper Creek	
TRAS	Al Qrash	
TRAV	Traversella	
TRAY	Twisselman Ranch, Shandon	
TRAZ	Trapeza	
TRB	Tarbela	
TRB2	Turrubares	
TRBA	At Turbah	
TRBF	Trabuc cave	
TRC	Taylor Ranch	
TRCB	Terra Rica	
TRCK	Troitsky	
TRCR	Troy Canyon	
TRCW	Trojmez	
TRD	Trivandrum	
TRE	Trente	
TRE01	Tampere, Finland	
TRE03	Orivesi, Finland	
TRE1	Treia	
TRE2	Trevi	
TREB	Trebinje	
TREC	Trest	
TREE	Tree Lodge	
TREF	Trevaresse	
TREG	Tregnago	
TREL	Terrell	
TREM	Isole Tremiti	
TRES	Parco Tresine BS	
TREV	Trevi	
TRF	Thorofare Mountain	
TRG	Tyrgan	
TRG1	Targoviste	
TRGA	Dikaia	
TRGR	Tirgoviste	
TRGS	Targassone	
TRH	Trail	
TRHT	Turhal	
TRI	Trieste	
TRI01	ILHA DA TRINDADE, ES	
TRIB	Obertriebel	
TRIF	Trifonti	
TRIGF	Trigance	
TRIMX	Col. Lazaro Cardenas, TRI	
TRIO	Tres Rios	
TRIP	Tripoli	
TRIS	Tristan da Cunha	
TRISI	Tripoli, TRI	
TRISU	ISU Teleorman	
TRIV	Trivento	
TRIYO	Sipora Selatan	
TRIZ	Trizonia	
TRJ	Tarija	
TRK	Turkey Creek	
TRKA	Trikala	
TRKL	Almalik (Terakly)	
TRKR	Terskaya	
TRKS	Terek-Say	
TRKT	Turkoglu	
TRLG	Trialeti	
TRLT	Trialeti	
TRM	Turner	
TRM1	Turnu Magurele	
TRMF	Trois Ilets	
TRML	Termal-Yalova	
TRMS	Tiraumea	
TRN	Trinidad (W)	
TRN1	Terni	
TRNA	Turayna	
TRNR	Turan	
TRNY	Table Rock, Ramapo, NY	
TRO	Tromso	
TROD	Troodos	
TROLL	Troll, Antartica	
TRON	Trondheim	
TROP	Tropicana Mine	
TROT	Trozza	
TRP	Trujillo	
TRP1	Tripolis, Arkadia	
TRPA	Tarpa	
TRQ	Mont Tremblant	
TRQA	Tornquist	
TRR	Tarraleah	
TRRB	Tres Rios	
TRS	Trieste (CM)	
TRSB	Teresina	
TRSC	Trident Resrch Ctr	
TRSI	Tarutung	
TRSU	Trosnyk	
TRT	Tretes	
TRT1	Tortuguero	
TRT2	Tortugero	
TRTB	Turuntaevo	
TRTC	Tortuguero	
TRTE	Tartu	
TRTO	Trento	
TRTR	Tortoreto Alta	
TRTS	Turuntaevo, Baikal	
TRTT	Trang	
TRTW	Torrens Terrace Wellington	
TRU	Truk	
TRUE	Teru	
TRUE2	AFAR09-11, Teru, TRUE	
TRULL	Truellikon	
TRUS	Trudelj	
TRV	Treviso	
TRVA	Ter de Rio Valdez	
TRVM	Trivandrum	TRD
TRVZ	Turoa	
TRW	Toppenish Ridge	
TRWA	Trelew	
TR-WA	Toppenish Ridge	
TRWZ	Traveller	
TRXW	Triangle-X Ranch	
TRY	Troy	
TRYN	Tryon Peak	
TRZ	Taradale	
TS-	Trotters	TS-ND
TS1	Aisen	
TS2	Aisen	
TS3	Aisen	
TS4	Aisen	
TS5	Aisen	
TS6	Aisen	
TSA	Tranquitos	
TSA1	Sevenoaks	
TSAL	Tannehill State Park	
TSB	Tasu	
TSC	Tosontsengel	
TSCK	Chigu Township	
TSCM	Zavkhan, Tosontsengel soum	
TSCN	Private Property, Shandon	
TSCS	Shell Creek South, Shandon	
TSCT	Constanta Port	
TSD1	Tsodilo	
TSDF	Thoir-sur-Dinan - 72356 - Sarthe - Pays de la Loire - France	
TSDO	Tsdo	
TSE	Tsebel'da	
TSEB	Hengchuen, Pingtung county	
TSFS	Takaka Scotts Farm	
TSGT	San Giustino Valdarno	
TSHB	Tabas_ShorAb	
TSI	Tuntungan	
TSIG	Topolobambo	
TSIM	Tsina	
TSIS	San Isidro	
TSJB	Timber West San Juan	
TSJM	Tanjungsiang, Jawa Barat	
TSJR	San Juan de la Rambla	
TSK	Tsukuba	
TSL	Tsaile	
TSLK	Tsoukalades, Lefkada island	
TSM	Tawau	
TSM1	Gubbio 1	
TSM2	Gubbio 2	
TSM3	Montone	
TSMG	Majia	
TSMN	Mangalia Port-Far Verde	
TSN	Qingdao	
TSN09		
TSN10		
TS-ND	Trotters	
TSO	Tulsa	
TSOMO	Tsomo village,Eastern Cape	
TSOZ	Tsokhamarg	
TSP	Tesuque Peak	
TSPI	Teminabuan, Papua Barat	
TSPT	Pingtung City	
TSR	Tsuruga	
TSRJ	Tsuruga	
TSS	Tsurugi yama	
TSSA	Tissa	
TSSL	Sulina	
TSSP	Tandag City	
TST	Taslik	
TSTA	Tashata	
TSTE	Santiago del Teide	
TSTN	Townsend	
TSU	Tsu	
TSU1	Tsu	
TSUB	Tasu	
TSUJ	Tsu 2	
TSUM	Tsumeb	
TSUT	Saturnia	
TSV	Twin Springs	
TSVK	Tesvikiye-Yalova	
TSWA	Tswaing Meteorite Crater Museum,Gauteng Province	
TSY	Tnine Yamani	
TSZ	Takapari Road	
TT-	Trout Lake	TT-MI
TT01	Tatalina	
TT08	Gorgoglione (MT)	
TTA	Tatalina	
TTAO	Hotel Taoro	
TTC	Datong	
TTE	Trieste	
TTER	Terranuova Bracciolini	
TTG	Podgorica	
TTH	Taradale Trig	
TTHS	Turangi Tongariro High School	
TTI	Taranto	
TTIG	Tnine Tigouga, Taroudante	
TTJR	Ttujur	
TTK	Tokmak	
TTL	Tatalina	
TTM	Turtle Mountains	
TT-MI	Trout Lake	
TTN	Taitung	
TTO1	TONANKAI O.B.S1	
TTO2	TONANKAI O.B.S2	
TTO3	TONANKAI O.B.S3	
TTO4	TONANKAI O.B.S4	
TTO5	TONANKAI O.B.S5	
TTOK	Tanto	
TTP	Tetilla Peak	
TTPA	Toytepa	
TTR	Matura	
TTS	Tsetserleg	
TTSI	Tana Toraja	
TTSM	Tano Tombangan Angkola, Sumatera Utara	
TTT	Tottori	
TTTZ	TwoTwoTwo	
TTU	Tartu	
TTV	Teren Tiev Lake	
TTVN	Tram Tau	
TTW	Tolt Reservoir	
TTX	Tres Cuevas	
TTY	Takhtoyamsk	
TTZ	Chichi shima	
TU-	Tunkhannock	TU-PA
TU1	Tuscania	
TUA	Tuai	
TUB	Tubingen	
TUB1	San Vicente, B1	
TUB3	El Consuelo, B3	
TUB4	El Congo, B4	
TUB5	Los Potreros, B5	
TUBL	Tuebingen-Lennartz	
TUC	Tucson	
TUC12	La Esperanza, C12	
TUC13	Santa Rosa, C13	
TUC3	UHE Tucurui	
TUC4	UHE Tucurui	
TUCB	Tucurui	
TUCG	TUCG	
TUDR		
TUE	Stuetta	
TUEB	Tuebingen, Eugenstrasse	
TUF	Tufares	
TUF1	Sabana Grande, F1	
TUF2	Las Cuatro Esquinas, F2	
TUF3	Comarca El Reventon, F3	
TUF4	Las Colinas, F4	
TUF5	Los Angeles, F5	
TUF6	Nancite Dulce, F6	
TUG	Tungurcha	
TUH	Tulbagh	
TUHS	Taumarunui High School	
TUI	Tuis	
TUIG	Tuzandepetl	
TUJI	Tumpakrejo, Jawa Timur	
TUK	Tuktoyaktuk	
TUL	Tulsa	
TUL0	Crosstimbers Borehole	
TUL1	Leonard	
TUL3	Leonard	
TULE	Intermountain REC, Tulelake, California	
TULEG	Thule	
TULM	Tulcn-Chalpatan Las Cuevas	
TULR	Tulnici	
TUM	Tumwater	
TUMC	Tumaco	
TUMD	Tumrok D	
TUML	Tumlingtar	
TUMR	Tumrok	
TUMY	Tumey Hills	
TUN	Tunis	
TUN1	Miramar, N1	
TUN10	La Concepcion, N10	
TUN11	La Tejera, N11	
TUN12	Monte Christo, N12	
TUN13	La Rica Arriba, N13	
TUN2	Las Piedras Blancas, N2	
TUN3	El Chorizo, N3	
TUN4	Puerto Momotombo, N4	
TUN5	Las Pilas, N5	
TUN6	El Paraiso, N6	
TUN7	El Madrono, N7	
TUN8	La Morita, N8	
TUN9	Santa Rosa del Penon, N9	
TUNA	La Fortuna	
TUNC	Hafik-SIVAS	
TUND	Tunduma	
TUNG	Tungurahua	
TUNL	TUNL	
TUNR	Tungur	
TUNS	Gyulagarak	

Code	Station Name	Other
TUO	Tucson Observatory	
TUP	Tupik	
TUPA	Temple University, Ambler	
TU-PA	Tunkhannock	
TUQ	Turquoise Mountain, Baker	
TUR	Turbat	
TURA	TURA	
TURAT	Turatol	
TURB	Turbat	
TURF	col de Turini - Moulinet	
TURI	Tura	
TURIB	Turrialba	
TURN	Turunc	
TURR	Turia	
TURS	Tal-Yuryakh	
TURV	Turiamo	
TUS	Tuscarora	
TUT	Tucson--Telemeter	
TUTA	Tutak	
TUTZ	Tuhingamata	
TUU	Turnu Rosu	
TUV	Trujillo	
TUVZ	Tukino	
TUWA	Tungkwan	
TUWZ	Tuamarina	
TUY	Tsuyama	
TUYU	Q. Yuibug Volcan Tungurahua	
TUZ	Tuapeka	
TUZL	Tuzla-Istanbul	
TV1H	Townsville Hard Rock	
TV2S	Townsville Soft Rock	
TV6	Monte Luro di Tavullia	
TVAC	TV Cable, Bogot	
TVAN	Van	
TVBK	TV Kerman	
TVER	Teveria	
TVF	Tvarminne	
TVG	Trois Rivieres	FBG
TVGG	Rocky Mountain Net	
TVH1	TV Hill, Hawthorne	
TVH2	Borealis Mine area, Hawthorne	
TVH3	East Aurora area, Hawthorne	
TVI	Taveuni	
TVJP	Espoo, Tvijlp	
TVKS	Tavaksay	
TVL	Townsville	
TVLT	Union City	
TVNC	Taylorsville	
TVO	Taravao	
TVR	TAVERNUZZE IMPRUNETA	
TVRZ	Varzaqan	
TVSB	Tavsanli	
TVZX	PASSCAL Warehouse	
TW1H	Toowoomba 1 Hard	
TWA	Mucha	
TWAR	Twist	
TWAS	Twizel Area School	
TWB	Tillmans-Whites Bay	
TWB1	Santiao Chiao	
TWBB	Timber West Blakeney	
TWC	Suao	
TWCP	Suao Port	
TWD	Chiawan	
TWDS	Dungshr Township	
TWE	Neicheng	
TWE*	Feng-lin	
TWF	Yuli	
TWF1	Yuli	
TWG	Pinlang	
TWGB	Timber West Granite	
TWGBT	Beinan	
TWGZ	Tauwhareparae	
TWH	Lutao	
TWI	Lanshu	
TWIT	Twitchell Island	
TWJ1	Tawu	
TWK	Hsinying	
TWK1	Hengchun	
TWKB	Timber West Koksilah	
TWKBT	Hengchun	
TWL	Twin Lakes	
TWM	Shoushan	
TWM1	Shoushan	
TWMO	Westmoorings	
TWN	Twin Peaks	
TWO	Meishan	
TWO1	Meishan	
TWOA	Tennyson Woods	
TWP	Hsiaoliuchiu	
TWQ	Tungshih	
TWQ1	Liyutan	
TWR	Chutung	
TWS1	Kuangyinshan	
TWSI	Taliwang, Sumbawa	
TWT	Tachien	
TWU	Wulai	
TWVZ	Taurewa	
TWW	Teanaway	
TWX	Kuosheng	
TWY	Chenhua	
TWZ	Neifu	
TX00	Lajitas Ar. Site	
TX02	Lajitas Array Site 2	
TX03	Lajitas Array Site 3	
TX04	Lajitas Array Site 4	
TX05	Lajitas Array Site 5	
TX06	Lajitas Array Site 6	
TX07	Lajitas Array Site 7	
TX08	Lajitas Array Site 8	
TX09	Lajitas Array Site 9	
TX10	Lajitas Array Site 10	
TX11	Lajitas Array Site 11	
TX31	Lajitas Ar. Site	
TX32	Lajitas Array Site 32	
TXAR	Lajitas Array Beam Reference Point	
TXB	Texada	
TXDB	Texada	
TXIG	Tlaxiaco	
TXNY	Tuxedo	
TXO	Tlaxiaco	
TXVM	Universitario Texcoco	
TY-	Tracy	TY-MN
TYC	Yuchr	
TYF	T'ung-yeun Feng	
TYH	Toyohashi	
TYI	Trinity Mountain	
TYK	Toyo'oka	
TYM	Tateyama	
TY-MN	Tracy	
TYN	Taiyuan	
TYNN	Toyone	
TYNO	Tyneside	
TYR1	Damasouli - Tyrnavos	
TYR2	Zarko	
TYR2A	Zarko new site	
TYR3	Mesochori - Packman	
TYR4	Domeniko	
TYR5	Evagelismos	
TYR6	Megalo Eleftherochori	
TYRN	Tyrnavos	
TYS	Tyson Valley	
TYV	Tymovskoe	
TZAN	Tzaneen,Limpopo Province	
TZC	Tazercounte	
TZK	Tazeka	
TZL	Tazlina	
TZLA	Tuzla-ISTANBUL	
TZR	Tezpur	
TZRR	Tazzarine	
TZTN	Tazewell	
TZZ	Tabubil	
U04C	Hernandez Reservoir, Idria	
U05C	Westside ANR, Five Points	
U10A	Ash Meadows, Armagosa	
U11A	Corn Creek	
U12A	Valley of Fire, Overton	
U13A	Pakoon Wash	
U14A	Mt Trumbull	
U14B	Concepcin	
U15A	North Rim	
U16A	Tuba City	
U17A	Shonto	
U18A	Rough Rock, Chinle	
U19A	Dine' College, Tsaile	
U20A	Newcomb	
U21A	Nageezi	
U22A	Llaves	
U23A	El Rito	
U24A	Moreno Valley High School, Angel Fire	
U25A	Circle Dot Ranch, Maxwell	
U26A	Atchley Ranch, Grenville	
U27A	Thompson Grove	
U28A	Mallet	
U29A	Oasis Ranch, Spearman	
U30A	WK&E Inc. Balko	
U31A	Nine Bar Ranch, Gage	
U32A	Winter Ranch, Mooreland	
U33A	Lingo Farm, Meno	
U33K	Whale Pass	
U34A	Anderson Ranch, Garber	
U35A	Pawnee	
U35K	Hyder	
U36A	Oologah	
U37A	Salina	
U38A	Gravette	
U39A	Green Forest	
U40A	Yellville	
U41A	Viola	
U42A	Revenden	
U43A	Rector	
U44A	Portageville	
U44B	Burton Farm, Hornbeak	
U45A	Rockin P Farm, Martin	
U46A	Springville	
U47A	Clarksville	
U48A	Cassie Pea, Portland	
U49A	Red Boiling Springs	
U50A	Jamestown	
U51A	La Follette	
U52A	Thorn Hill	
U53A	Fall Branch	
U54A	Nelsons Funny Farm, Mountain City	
U55A	TA2, Sparta	
U56A	King	
U57A	Blanch	
U57S	U57S	
U58A	Oxford	
U59A	Littleton	
U59S	U59S	
U60A	Pendleton	
U60S	U60S	
U61A	Possum Corner Farms, Belvidere	
U63S	Sauzal	
U65B	Hualane	
U66S	U66S	
U67S	U67S	
U69B	Peumo	
U72S	U72S	
U73B	San Pedro	
UABX	UABC, Campus Mexicali	
UAGRB	Rancho Ultima Agua, B.C.S	
UALR	University of Arkansas, Little Rock	
UAV	Universidad de los Andes	
UB0M		
UB1M		
UB2M		
UB3M		
UB4M		
UB5M		
UB6M		
UB7M		
UB8M		
UB9M		
UBBA	Unterbreizbach	
UBL	Ust'-Bol'sheretsk	
UBO	Uinta Basin Array	
UBOT	Bothatogo	
UBPT	Khong Chiam	
UBR	Ueberruh	
UBRB	Upper Baezaeko River	
UBSI	University, Bengkulu	
UBT	Ubonrachathani	
UC01	Francavilla Angitola	
UCC	Uccle	
UCCT	U. Connecticut	
UCH	Uchtor	
UCHI	Unidad de Salud de Chinameca	
UCKU	kuyu, Sultandaı, Afyonkarahisar	
UCM	Universidad Complutense Madrid	
UCT	University of Connecticut	
UDBI	Udbina	
UDBS	Universidad Don Bosco	
UDD	Uddeholm	
UDI	Udine OGS	
UDINA	Udina	
UDN	Udine	UDI
UDO0	Udo	
UDP	Udhampur	
UDPR	Udaipur	
UDU	Undu Point	
UDY	Yemen, UDY	
UDYN	Al `Udayn	
UEES	Universidad Evangelica	
UELA	Alajuela	
UER	Ust'-Elegest	
UESS	Universidad de El Salvador	
UESV	Universidad de El Salvador, sede San Vicente	
UFA	Ufa	
UFCT	Forcatura	
UFLG	Foligno	
UFRS	Porto Alegre	
UGDM		
UGI	Ugak Island	
UGK	Ugakei	
UGL	Uglegorsk	
UGLR	Uglovaya	
UGM	Wanagama	
UGN	UGENTO	
UGO	Universidad de Guanajuato	
UGON	Onchagaon	
UGRT	Union Grove	
UHCS	Upper Hutt College	
UHSS	Upper Hutt Primary School	
UJAP	Al Uja	
UJI	Uji	
UJN	ULJIN	
UJWA	Ujwa (Najafgarh)	
UJZ	Chiapas	
UK-	Ukiah	UK-OR
UKAN	Ukanom Mountain, Happy Camp, CA USA	
UKAQ	Ukalunda	
UKCM	Unaaha	
UKHR	Ukrul	
UKI	Ukiah	
UKL	Ugashik Lake	
UKON	Ukonom Mountain	
UKOP	Uzunkopru-Edirne	
UK-OR	Ukiah	
UKR	Ust'-Kan	
UKT	Uakit	
UKTR	Uchkent	
UKWA	Ukwama	
UL1	ULLUNGDO	
UL1S	Tyubelyakh	
UL2S	Kamenistyi	
ULA	Ulamona	
ULBA	Ulba	
ULBM	Uvs, Ulaangom city	
ULC	Ulcinj	
ULDB	Ullung-do Borehole	
ULDR	Ulleungdo	
ULDT	Uludag	
ULG	Ulaangom	
ULGR	Ulagan, Altay Republic, Russia	
ULHL	Ulahol	
ULLB	Ulleungdo bore hole	
ULM	Lac du Bonnet	
ULMD	Ulm	
ULN	Ulaanbaatar	
ULO	Ulamona	
ULSM	Ulu Musi, Sumatera Selatan	
UMAU	Umeaa	
UMB	Umberatana	
UMBT	Umbertide	
UME	Umea	
UMED	Untermendig Flugplatz	
UMI	India	
UMJ	Umaji	
UMJ01	UMJ01	
UMJ02	UMJ02	
UMJ03	UMJ03	
UMJ04	UMJ04	
UMJ05	UMJ05	
UMJ06	UMJ06	
UMJ07	UMJ07	
UMJ08	UMJ08	
UMJ09	UMJ09	
UMJ10	UMJ10	
UMJ11	UMJ11	
UMJ12	UMJ12	
UMJ13	Umluj	
UMJE	Umejima	
UMJS	Umm Lajj	
UMKT	Umerkot	
UMM	Uummannaq	
UMMG	Uummannaq	
UMPA	Umpang Tak	
UMPQ	Umpqua Community College DOGAMI SMO	
UMPR	Pierantonio	
UMPS	Pian d¢Assino	
UMQ	Umm Al-Quwin	
UMR	Umm Al-Rimmam	
UMS	Upper Santa Misericordia	
UMT	Umtata	
UMV12	Villanueva de San Juan (Sevilla)	
UMZA	Um Al Zommool	
UNA	Unalaska	
UNAH	Universidad Nacional Autonoma de Honduras	
UNAN	Cigeo UNAN	
UNAP	University of Iquique	
UNB	University of New Brunswick	
UNCA	Ungchon	
UNCK	Uncukuru	
UNCR	Uncukul	
UNDA	Madunda	
UNH	University of New Hampshire, Durham, NH	
UNIC	Universidad Catolica de El Salvador	
UNIO	Chateau-d'Oleron - 17093 - Charente-Maritime, France	
UNIS	Unistalda (Brazil)	
UNJ	University of Jordan, Amman	
UNJO	University of Johannesburg	
UNL	Unalakleet	
UNM	Universidad Nacional Autonoma de Mexico	
UNNA	Unterstinkenbrunn	
UNPM	Ancona Politecnico	
UNR	Ust'-Nera	
UNR1	Ust'Nera (new)	
UNRC	Norcia	
UNSL	Universidad Nacional de San Luis	
UNTM		
UNV	Unalaska Valley	
UNZ	Unzen dake	
UOA	University of Arizona	
UOCO	University of Cincinnati	
UOLM	Olmeto	
UON	La Union	
UORV	Monte Orve	
UOSS	Minazif	
UPA	Univ. de Panama	
UPAL	Upala	
UPAO	U. Pittsburgh - Allegheny Obs.	
UPC	Upice	
UPD1	Univ de Panama	
UPD2	Meteti	
UPI	Upington	
UPIG	Univ. de Panama	
UPM	Unac-Piva	
UPNG	Upernavik	
UPNV	Upernavik	
UPP	Uppsala	
UPR	University Campus, Patras University	
UPRP	Perugia	
UPS	University of Puget Sound	
UPUR	Puro	
UQSK	`Uqlat as Suqur	
UR1H	Urbino	
URA	Urakawa	
URA3	Urakawa 3	
URAJ	Urakawa 2	
URAM		
URAV	Uravi	
URB	Uribe, Santander	
URBA	Urbach, Forststuetzpunkt Haeule	
URBF	Urbes	
URBI	Urbino	
URBN	Urbania	
URCR		
URCU	Urcuqui	
URD01	URD01	
URD02	Al Ula	
URD03	Al Ula	
URD04	Abu Rakah	
URD05	Al Faraah	
URD06	Shuwaq	
URD07	Al Anba	
URD10	Hayder	
URD11	Tayma	
URD12	Shuwaq	
URD13	Abu Rakah	
URD14	Abu Rakah	
URD15	Abu Rakah	
URDF	Urds	
UREC	San Jos de Ur, Cordoba	
URFA	Urfa	
URFT	Urfttalsperre	
URG	Urgal	
URH	Urahoro	
URI	Uribia	
URIC	Uribia, Colombia	
URKR	Urkarakh	
URLA	Izmir	
URMC	La Uribe, Meta	
URS	Ugurusu	
URSC	Urasca	
URT	Ura-Tyube	
URUA	Uruapan	
URUN	Urmieh	
URV	Uravakonda	
URVA	University of Richmond	
URVD	Rivodutri	
URZ	Urewera	
URZL	Urzelina	
USA0	Ussuriysk Array Site A0	
USA0B	Ussuriysk Array Site A0B	
USA1	Ussuriysk Array Site A1	
USA2	Ussuriysk Array Site A2	
USA3	Ussuriysk Array Site A3	
USAK	Uak-Merkez	
USAL	Usal Redwood Forest, Leggett, California	
USB1	Ussuriysk Array Site B1	
USB2	Ussuriysk Array Site B2	
USB3	Ussuriysk Array Site B3	
USB4	Ussuriysk Array Site B4	
USB5	Ussuriysk Array Site B5	
USC	University of Southern California	
USFM	Utan	
USGN	Sangemini	
USHA	Ushuaia	
USHN	Ushanovo	
USHU	Ushuaia	
USI	Ustica	
USIL	Lacq-Usine	
USIM	UNAN	
USIN	University of Southern Indiana	
USK	Ussuryisk	
USL	Ugashik Lake	

Code	Station Name	Other
USLL	Sellano	
USMR	Ust'-Maya	
USO	Ust'-Omchug	
USP	Ospenovka	
USPA	Uspallante	
USRK	Ussuriysk Ar. Beam Pt.	
UST	USSITA	
USTI	Umbu Ratu Nggay, Nusa Tenggara Timur	
USTO	Oran	
USZ	Ust'-Nyukzha	
UTEC	Universidad Tecnologica	
UTF	Valparaiso	
UTHA	Uthaitani	
UTK	UTTARKASHI	
UTL	Utla	
UTLO	University of Toledo	
UTM	University of Tennessee at Martin	
UTMA	University of Tennessee at Martin	
UTMO	Huajuapan	
UTMT	University of Tennessee at Martin	
UTNM	Universidad Technlogica Nacional Mendoza	
UTO	University of Toledo	
UTS	Utsunomiya	
UTSI	Ulu Belu, Lampung	
UTSM	Ulu Talo, Bengkulu	
UTSR	Utesnoe	
UTSU	Utsunomiya	
UTT	Tea Tree Gully	
UTTA	Uttaradit	
UTU	Utuhina	
UUDB	Ulan-Yde	
UUPR	Utuado, UPR, Puerto Rico	
UURS	Ust' Urkima	
UVAG	Avigliano	
UVEZ	Uvezbeli-DUZCE	
UVI	Uvira	
UVIT	Uvita	
UVN	Unionville	
UVN1	Unionville	
UVO	Usu Kazan Kan	
UVZA	Uvinza	
UWA	Uwa jima	
UWA2	Uwa jima 2	
UWB	Uwekahuna Bluff	
UWE	Uwekahuna	
UWEM	Njombe	
UWFH	University of Washington Friday Harbor	
UWJI	Ujung Watu	
UWL	Utowana Lake	
UWM	University of Wisconsin at Milwaukee	
UWOO	University of Western Ontario	
UXUV	UXUV	
UYO	Union Valley	
UYUN	Uyuni	
UZB	Uzynbulak	
UZD	Uzd	
UZH	Uzhgorod	
UZHM	Uzhgorod	
UZP	Denizli	
UZR	Uzur	
UZT	Uzuto	
UZU	Uzumlu	
V03C	Hunter Liggett MR Jolon	
V04C	Ramage Ranch, Paso Robles	
V05C	Boulder Hill, Kettleman City	
V11A	Goodsprings	
V12A	Nelson	
V13A	Grand Canyon West Ranch, Meadview	
V14A	Boquillas Ranch, Navajo N., Peach Springs	
V15A	Kaibab National Forest USFS, William	
V17A	Tonalea, Kykotsmovi	
V18A	Ganado	
V19A	Window Rock	
V20A	Brimhall	
V21A	Milan	
V22A	San Miguel Ranch, Cuba	
V23A	Ortiz Mt. (NFS), Santa Fe National Forest	
V24A	Rampart Ranch, Las Vegas	
V25A	Rancho No Tengo, Wagon Mound	
V26A	Tequesquite Ranch, Mosquero	
V27A	Dan Oppiter Farms, Dalhart	
V28A	Channing	
V29A	Stinnett	
V30A	Spur Ranch, Miami	
V31A	Spring Creek Lake, Blk. Kettle Nat Grslnd	
V32A	Arapaho	
V33A	Lossen Ranch, Watonga	
V34A	Guthrie	
V35A	Meyer Ranch, Chandler	
V35K	Ketchikan	
V36A	Jenks	
V37A	Hulbert	
V38A	Canehill	
V39A	Pettigrew	
V40A	Witts Springs	
V41A	Mountainview	
V42A	Cord	
V43A	Jonesboro	
V44A	Blytheville	
V45A	Humboldt	
V46A	Holladay	
V47A	Nunnelly	
V48A	Smith Brothers Farm, Spring Hill	
V49A	McMinnville	
V50A	Pikevile	
V51A	Loudon	
V52A	Sevierville	
V53A	Saluda	
V54A	Nebo	
V55A	Taylorsville	
V56A	Mocksville	
V57A	Coltrane Farms	
V58A	Windy Hill, Pittsboro	
V59A	Middlesex	
V60A	Jim Taylor Road, Stokes	
V61A	Roper	
V62A	Hyde County Airport	
VA01	Torpederas	
VA02	Isla de Pascua	
VA03	San Esteban	
VA04	Juan Fernndez	
VA05	Santo Domingo	
VA06	Catapilco	
VAA	Cerro Valdivia	RTCV
VABB	Valinhos	
VABQ	Val Des Bois	
VAC	Vackov	
VACA	Villa Angela Chaco Argentina	
VACH	Vallenar	
VACK	Vackovec	
VACR	Volcan Arenal	
VAD	Vardenisi	
VADS	Vadso	
VADZ	Vardenis	
VAE	Valguarnera	
VAF	Ylistaro	
VAG	Aggia Anna	
VAGA	Valle Agricola	
VAGH	Vaagaholmen	
VAH	Vaihoa	
VAI	Varese	
VAI24	Vairano Patenora	
VAIN	VAIN	
VAJ	Vajont	
VAK	Adit at Lawrence Berkeley Lab, Berkeley, CA	
VAL	Valentia	
VALC	Valcebollere	
VALD	Valchedram	
VALF	Valcebollere	
VALM	Valbona	
VALQ	Val d'Or	
VALR	Valaam	
VALS	Valles ARPAV	
VALT	Mount Saint Helens Crater	
VALY	Valyra	
VAM	Vamos	
VAMB	Fali, AMB	
VAN	Vannovskaya	
VAN2	Vandellos 2	
VANB	Van	
VANJ	Vanj	
VANNI	Vissoie, Val d'Anniviers	
VANT	Van	
VANT3	Valle de Anton	
VANU	Vaenersborg	
VANZ	Vanadzor	
VAO	Valinhos	
VAO2	Atibaia	
VAO3	Socorro	
VAR	Varanasi	
VAR2	Vartholomio	
VARA	Varagna	
VARB	Varian Well	
VARE	Varese	
VARE2	V. Arenal	
VARL	Varlezi	
VARN	Col Varnada, Mel (BL)	
VARP	Vesuvio Array Permanente	
VARR		
VARZ	Arzignano	
VAS	Vassijaure	
VAS01	Vassouras-RJ	
VAS2	Vassiliki, Lefkas Island	
VASR	Vaslui	
VASS	Vassouras	
VAV	VALVASONE	
VAVA	Vava'u	
VAY	Valandovo	
VAYK	Vayk	
VBA	Sierra Ventana	
VBEM	Beaver Butte	
VBG	Venebrugge	
VBG1	Venebrugge (Bruchterveld)	
VBG2	Venebrugge (Bruchterveld)	
VBG3	Venebrugge (Bruchterveld)	
VBG4	Venebrugge (Bruchterveld)	
VBIH	Ingaladian Volcano Observatory	
VBKE	Vesuvio Bunker Est, Vesuvio (NA), Italy	
VBKN	Vesuvio Bunker Nord	
VBKW	Vesuvio, Bunker Ovest	
VBL1	Vara Blanca	
VBL2	Vibo Valentia	
VBMS	Vicksburg	
VBN	Bulusan	
VBOKI	Bokissa	
VBPM	Bald Peter	
VBR	Suhoy Ruchey	
VBST	Vila Bela da Santissima Trindade	
VBU	Buco	
VBUTM	Tatafo	
VBV	Virginia Beach	
VBV1	V. Barva	
VBY	Vinica-Bojanci	
VBYGD	Vestbygd	
VC1	Cotopaxi 1	
VCA	Vinchina	
VCAB	Vineyard Canyon	
VCB	Cabagna-an	
VCDT	Vesuvio Camaldoli della Torre, Napoli (NA)	
VCEL	Villa Celiera	
VCES	Cotopaxi	
VCH1	Volcn Chico	
VCHI	Volcan Chico	
VCHM	Qimei	
VCHU	Verkh-Chumysh, Kuzbass, Russia	
VCLM	Crater Lake	
VCM	Veracruz	
VCMM	Chase Mountain	
VCMT	Victor	
VCN	Canlaon	
VCNE	Vesuvio Cratere Nord Est (NA) Italy	
VCNR	Virginia City	
VCNZ	Vicenza	
VCP	Volcan Cerro Prieto	
VCR	Vista de Mar	
VCRE	Vesuvio Cratere Est	
VCS	Vernal Corners	
VCT	Victoria	
VCVM	Valle de Chalco	
VDA	Vodivohitra	
VDB	Vedder Mountain	
VDBQ	Val-des-Bois,QC	
VDCF	Villefranche	
VDEB	Vedder Mountain	
VDF	Valdeflores	
VDL	Val di Lei	
VDM	Villiers-Adam	
VDOS	Pratas Island	
VDP	Vodopadnii	
VDP3	Vietri Di Potenza	
VDQ	Val d'Or	
VDS3	Muro Lucano (Varco Staccarino)	
VDW	Vunidawa	
VEA	Veano	
VEB	Veberod	
VEBEN	Narango	
VEH	Verkhnyaya Baza	
VEK	Verkhne-Kamchatsk	
VELZ	Velez Rubio	
VEN	Venice	
VEND	Venslev, Denmark	
VENE	Venecia	
VENL	Venezia Lido	
VENT	Ventotene	
VEPO	Vesuvio Istituto Enea Portici (NA) Italy	
VER	Veracruz	
VER1	Veroia	
VERA	Finca Concepcion	
VERB	Verbena	
VERD	Verdin	
VERF	Verneugheol	
VERG	Veris	
VERH	Veragua Rainforest, Limn	
VERN	Vergina	
VES	Vestal, Richgrove	
VESPI	Tanmial	
VET01	Vtroz, Route Cantonale, VS	
VET02	Vtroz, Route de la Bourgeoisie, VS	
VET03	Vtroz, Le Botza, VS	
VETAM	Veliko Turnovo	
VEW	Oceanview	
VEX	Veracruz	
VEZ	Vezirkopru	
VFBM	Frederick Butte	
VFERR	Lavachey, Val Ferret, Courmayeur, Italy	
VFI	Filaki	
VFP	Flag Point	
VG1	Voghera	
VG2	Vista Grande	
VGB	Gordon Butte	
VGBI	Virgin Gorda, British Virgin Islands	
VGBM	Gordon Butte	VGB
VGG	VIGGIANELLO	
VGG3	Viggiano (Prot.Civ.Gr.Lucano)	
VGG7	VIAGGIANELLO	
VGL	Glafira	
VGLP	Vagli Paese	
VGM	Villa Grajales	
VGMM	Grass Mountain	
VGP	Chiapas	
VGPM	Green Peter	
VGR	VOGHERA	
VGTI	Salacafe	
VGTM	Goat Mountain	
VGVI	Virgin Gorda	
VGZ	Gonzales	
VHBM	Hamelton Butte	
VHEM	Hood Meadows East	
VHH	Hibok Hibok	
VHHM	High Heaven	
VHM	Vista Hermosa	
VHO	Vista Hermosa	
VHOM	Mount Hebo	
VHRN	Van Horn	
VHSA	Villahermosa	
VHTN	Van Hill	
VHYM	Horsefly Mountain	
VIB	Van Inlet	
VIBO	Embalse de Viboras	
VIC	Victoria	
VIC1	Col Coahuila, VIC	
VICA	Volcano Irazu	
VICH	Los Vilos	
VICT	Victoria	
VIE	Vienna	
VIEF	Viey	
VIEL	Selb-Vielitz	
VIER	Vielha - Casau	
VIES	Vielha - Hospitau	
VIF	Vila Franca	
VIFL	Administracin Zonal Eloy Alfaro - Quito	
VIG	El Vigia	
VIGE	Viggiano	
VIGV	El Vigia	
VIH	Vielha	
VIK	Vik	
VIKU	Vikbolandet	
VIL	Villa Mercy	
VIL1	Vilia, Western Attica	
VIL2	Platees	
VILA	Vilada	
VILB	Vilhena	
VILC	Villavicencio, Colombia	
VILF	Villemus	
VILL	Villia	
VILLA	Kithairon	
VILS	Ville-en-Selve	
VIM	Vimmerby	
VIMA	VIMA	
VIMO	Victor Mine	
VIN	Vineyard	
VINA	Juan Vinas	
VINC	Vinca	
VINO	Villanova	
VINV	Vinovac	
VIP	Virginia Peak	
VIPM	Ingram Point	
VIR	Virginia	
VIRC	Vir	
VIRE	VIRE	
VIRV	Villa del Rosario	
VIS	Vishakhapatnam	
VISG	Visignano	
VISK	Vishakhapatnam	VIS
VISS	Visnje	
VIT	Vineyard--Telemeter	
VITF	Vittel	
VITO	San Vito	
VITU	Vitulano (BN)	
VITZ	Vitzeroda	
VIV	Vinh	
VIVA	Pratoni del Vivaro - Roma	
VIVB	Vinh	
VIVF	Saint-Julien-le-Roux	
VIZ	Vizianagram	
VIZE	Kirklareli, Vize-Akpinar	
VJD	Vijayawada	
VJF	Virojoki	
VJP	Vajepar	
VJRH	Vered Jericho	
VJYM	Jersey	
VKA	Vienna	
VKB	Valkenburg	
VKOLH	Longtal	
VL01	Sao Felix do Xingu	
VL02	So Flix do Xingu	
VL03	Sao Felix do Xingu	
VL6*	Forgia Vecchia	
VLA	Vladivostok	
VLAD	Vladila	
VLAKA	Lakatoro	
VLC	Villacollemandina	
VLCH	Valdivia	
VLD	Valdez	
VLDK	Vladikavkaz	
VLDQ	Val d'Or	
VLDR	Vladesti	
VLEBE	Tatafo	
VLEVI	Leviamp	
VLFB	Valfabbrica	
VLG	Velasquez	
VLH	Lignon Hill	
VLI	Veliai	
VLK	Valmikinagar	
VLKR	Vladikavkaz	
VLL	Laurance Lake	
VLM	Villa Minozzo	
VLM1	Valenii de munte	
VLMM	Larch Mountain	
VLMN	Valmontone	
VLMS	Volimes, Zakynthos	
VLN	Vanua Lava	
VLO	Vlora	
VLOH	Vernon-Luthman Wildlife Area	
VLP	Valparaiso	IHA
VLR	Valea Ierii	
VLS	Valsamata	
VLS2	Vaslui	
VLT	VOLTERRA	
VLTR	Villafranca Tirrena	
VLU	Vernal	
VLV	Valdivia	
VLW	Vlagtwedde	
VLW1	Vlagtwedde	
VLW2	Vlagtwedde	
VLW3	Vlagtwedde	
VLW4	Vlagtwedde	
VLX	Vlachokerasia	
VLY	Voula,Athens	
VLZ	Valdez	
VMA	Markates	
VMAN	Volta Mantovana (MN)	
VMAR	Armenia, Volcan Miravalles	
VMC	Ville Marie	
VMG	Vicchio	
VMGN	Vicchio	
VMHM	Mount Hagen	
VMM05	San Martn	
VMM06	Sabana de Torres	
VMM07	Puerto Wilches	
VMM09	Lebrija	
VMM10	El Carmen	
VMNM	Maupin	
VMO	Villa Marinero	
VMON	MONTECRISTI 3	
VMR	Mayon Resthouse	
VMS	Misericordia	
VMT	TAPS Tl Valdez	
VMUR	Van-Muradiye	
VN-	Vernal	VN-UT
VN6*	Vulcanello	
VNA	Neumayer	
VNA1	Neumayer--Station	
VNA2	Neumayer--Watzmann	
VNA3	Neumayer Olymp	
VNARW	Walarano	
VNCH	Vinchiaturo	
VND	Vanda	
VNDA	Vanda	
VNDS	Vrh nad Dolskim	
VNE	Neochorion	
VNF1	Venafro	
VNFG	Fog Glacier, Mount Veniaminof	
VNG	Vunargo	
VNHG	Veniaminof 1	
VNIG	Vilanova i la Geltru	
VNKR	Veniaminof 5	
VNL	Vernal	
VNM	Villa de Garcia	
VNN	VALSINNI	
VNNF	Veniaminof 3	
VNNR	Vanino	
VNNZ	Vanand	
VNSG	Veniaminof 6	
VNSS	Veniaminof 8	

Code	*Station Name*	*Other*
VNSW	Veniaminof 7	
VNT	Van	
VNTA	La Mica	
VNTQ	Ventisquero	
VN-UT	Vernal	
VNV	Volcan Villarrica	
VNWF	Veniaminof 8	
VNY	Varmlds Nysat	
VNZ	VENZONE	
VO-	Vinton	VO-IO
VOBA	Vobarno	
VOEG	Voegtlinshoffen	
VOEL	Voellerdingen	
VOG	Valley Oaks Golf Course, Visalia	
VOGL	Vogel Lake	
VOGT	Vogtsburg - Totenkopf, Kaiserstuhl	
VOI	Vohitsoka	
VO-IO	Vinton	
VOIR		
VOJS	Vojsko	
VOL	Volimes	
VOL2	Volos	
VOL3	Nea Ionia, Volos	
VOLV	El Volcan	
VOR	Voronezh	
VORD	Divnogorie	
VORI	VORI	
VORR	Voronezh	
VOS	Vostochnaya	VOSK
VOS01	OBS, OS01	
VOS02	OBS, OS02	
VOS03	OBS, OS03	
VOS04	OBS, OS04	
VOS05	OBS, OS05	
VOS06	OBS, OS06	
VOS07	OBS, OS07	
VOS08	OBS, OS08	
VOS09	OBS, OS09	
VOS10	OBS, OS10	
VOS4	Vostochnaya array site	
VOS5	Vostochnaya array site	
VOS6	Vostochnaya array site	
VOS7	Vostochnaya array site	
VOS8	Vostochnaya array site	
VOS9	Vostochnaya array site	
VOSK	Vostochnaya	
VOSTO	Vostok	
VOU	Vouglans	
VOUT	Voutes	
VOVO	Vesuvio Pozzo Sede storica Osservatorio Vesuviano (NA) Italy	
VOY	Vojsko	
VOZR	Vozrozhdenie	
VPA	Pavliani	
VPD	Villa Park Dam	
VPDC	Valencia Peak Digital	
VPEM	Volcano Peak East	
VPIM	Pine Mountain	
VPK	Verdi Peak	
VPL	Vulcano Piano	
VPL1	V. Platanar	
VPL2	V. Platanar	
VPL3	V. Platanar	
VPMM	Saint Patrick Mountain	
VPOB	Vesuvio Pollena, Pollena Trocchia (NA), Italy	
VPORT	Vila do Porto, Ilha de Santa Maria, Portugal	
VPOTO	Veturah	
VPP	Pira-Piraso	
VPPV	Vesuvio Pompei Porta Vesuvio, Pompei (NA), Italy	
VPS	Volcan Poas	
VPS2	Volcan Poas 2	
VPS5	V. Poas	
VPS6	Volcano Poas	
VPS8	V Poas	
VPTE	Poasito	
VQS	Vieques	
VR2	Verdin	
VRAC	Vranov	
VRB	Verbania	
VRBM	Round Butte Dam	
VRC	Rainbow Creek	
VRCH	Vrchy	
VRCL	Vercelli	
VRD	Vardenis	
VRDI	Verde Repeater	
VRF	Varrio	
VRG01	Cascina	
VRG02	Cascina	
VRG03	Cascina	
VRH	Novokhopyorsk	
VRHR	Novokhopersk	
VRI	Vrincioaia	
VRKS	Verdikoussa	
VRL	Varese Ligure	
VRLE	La Escondida, Volcan Rincon de la Vieja, Guanaca	
VRN	Varnville	
VRNA	Verona	
VRNZ	Vardanashen	
VRO1	Vrontados, Chios Island	
VRP	VAIRANO PATENORA	
VRS	Kato Vasiliki	
VRSR	Storozhevoye	
VRSS	Vrsac	
VRT	Varto	
VRTB	Varto-Mus	
VRVM	Mexico City	
VRZ	Vera Road	
VRZA	San Zeno Di Montagna	
VRZG	Vardzia	
VRZT	Veris	
VSALE	Olo Olo	
VSARA	Lowerie	
VSBM	Spring Butte	
VSC	Varnville	
VSCM	Scott Mountain	
VSD	VIESTE DANTE	
VSE	VASTO	
VSG	Visale	
VSHL	Vashlovani	
VSI	Simia	
VSK	Skopelos	
VSK1	VASILIKIADES	
VSK2	Vassilikiades, Cephalinia Isl.	
VSL	Villasalto	
VSL1	Vassilika	
VSLR	Vesyoloye	
VSM	San Miguel	
VSMM	Salem	
VSOM	Vertessomio	
VSP	Spence Mountain	
VSR	Storozhevoye	
VSS	Volcan San Salvador	
VSSB	Vesuvio San Sebastiano, San Sebastiano al Vesuvio (NA), Italy	
VST	Saint Thomas	
VSTC	Green Oak Ranch, Vista	
VSTT	Villa Sara, Treinta y Tres	
VSTU	Vaestervik	
VSU	Vasula	
VSULE	Kerevinumbu	
VSVD	Vaisvydziai	
VT-	Venator	VT-OR
VT1	Waterbury	
VT2	Vantage 2	
VTAMB	Tambalato	
VTB1	Vitulano	
VTBH	Vuterbahal	
VTCE	Turrialba Volcano	
VTCG	Tajo	
VTCM	Trout Creek Butte	
VTCV	VTCV, Calle Vargas, Turrialba	
VTDG	Vesuvio, Torre del Greco (NA), Italy	
VTDM	The Dalles	
VTF1	CHI Itaipu Binacional	
VTG	Vantage	
VTH	Erithrai	
VTHM	Trough	
VTIR	Vesuvio Tirone	
VTLA	Turrialba Volcano	
VTLO	VTLO	
VTM	Vitim	
VTMR	Vitim	
VTN	Vitineika	
VTON	El Valle, Cocle	
VT-OR	Venator	
VTR0	Volcan Turrialba	
VTRE	Volcan Turrialba, Hacienda Retiro	
VTRT	Volcan Turrialba, VTRT	
VTRZ	Vesuvio Terzigno, Terzigno (NA), Italy	
VTS	Vitosha	
VTT	VITTORIA	
VTU	Volcan Turrialba	
VTUC	Crater, Volcan Turrialba, Cartago	
VTUN	Crater Central, Volcan Turrialba, Cartago	
VTURT	Coulons	
VTV	Victorville	
VTVB	Vinh Tuy	
VTVM	Tizayuca	
VTX	Valle De La Trinidad	
VTY	Vatovaky	
VUE	Palo Seco	
VUL	Vulcan	
VULT	Monte Vulture - Melfi	
VUN	Vunikawai	
VUOS	Vuosaari Helsinki	
VUWS	Victoria University Law School	
VVANG	Bakakara, VANGO	
VVASA	Asamaranda, VASAV	
VVAVU	Sasuli, VAVUN	
VVD	Valverde	
VVDG	Vesuvio Valle Del Gigante	
VVHS	Vashon High School SMO	
VVI	Villa di Villa	
VVK	Vomvokou	
VVLD	Villa Vallelonga	
VVMR	Verona	
VVO	Vivian	
VVOS	Brankovina	
VWBM	Wanoga Butte	
VWCC	Virginia Western Community College	
VWDT	VWDT	
VWMM	Walker Mountain	
VWUC	VWUC	
VWUSI	Wusi	
VWV	Potts Mountain	
VWZMW	Thunduwike	
VXJU	Vaexsjoe	
VYB	Vyborg	
VYBR	Vyborg	
VYHS	Vyhne	
VZS	Valdez South	
VZW	Valdez West	
VZZ	VIZZINI	
W01	W01	
W02	W02	
W02B	Bay Bridge West Pier 2	
W03	W03	
W05	W05	
W05B	Bay Bridge West Pier 5	
W06	W06	
W07	W07	
W08	W08	
W10	W10	
W12A	Cal Nev Ari	
W13A	Hualapai Mountain Park, Kingman	
W14A	Seligman	
W15A	Williams	
W16A	Flagstaff	
W17A	Winslow	
W18A	Petrified Forest	
W19A	Sanders	
W20A	Ramah	
W21A	San Fidel	
W22A	Albuquerque	
W23A	Werner Place, Edgewood	
W24A	Lazy 6 Ranch, Villanueva	
W25A	X Bar L Ranch, Newkirk	
W26A	Owens Ranch, Tucumcari	
W27A	Bowe Ranch, Endee	
W28A	Vega	
W29A	Amarillo	
W30A	Crocket Farms Inc., Mclean	
W31A	Holland Ranch, Erick	
W32A	Sentinel	
W33A	Caddo, Fort Cobb	
W34A	Bridge Creek, Tuttle	
W35A	Tecumseh	
W36A	Wetumka	
W37A	Quinton	
W37B	Quinton	
W38A	Poteau	
W39A	Magazine	
W40A	Ferguson Farm, Pottsville	
W41A	Tony Mavity, Velonia	
W41B	Gary Mavity, Velonia	
W42A	Bald Knob	
W43A	Forest City	
W44A	Shelby Farms Park, Memphis	
W45A	Hickory Valley	
W46A	Michie	
W47A	Westpoint	
W48A	Pulaski	
W49A	Belvidere	
W50A	Signal Mountain	
W51A	Cleveland	
W52A	Murphy	
W53A	Cullowhee	
W54A	Cherokee Point, Campobello	
W56A	Indian Trail	
W57A	Gilead	
W58A	Raeford	
W59A	Clinton	
W60A	Pink Hill	
W61A	Ground Anchor Farm, New Bern	
WA-	Watson	WA-OK
WA1	Wongan Hills	
WA2	Wagin	
WA3	Talbot Brook	
WA4	Burakin	
WAA	Waris	
WAB	Wabag	
WABN	Wabush	
WACK	Wrangell Chichokna Glacier	
WACR	West Acre	
WACZ	Wakanui South Island, New Zealand	
WAD	Wadsworth	
WADE	Clinic, Wadera	
WADM	Wardell	
WAG	Wagan	
WAGN	Wager Bay	
WAH	Wahluke	
WAH2	Wahluke Slope	
WAHZ	Wakarara	
WAI	Wairiri	
WAINZ	Waiotahi Valley	
WAIT	Aitana	
WAJ	Wa jima	
WAJH	Al Wajh	
WAK	Wakkanai	
WAKC	Waikari	
WAKE	Wake Island	
WAKJ	Wakkanai	
WAKR	Walker	
WAKS	Wakarara Rangimaire Farm	
WAL	Wallace	
WAL1	Walls	
WALA	Waterton Lakes	
WALE	AfricaArray SE Tanzania Basin Experiment - YH	
WALHA	Wallhausen, DE	
WALJ	Wala	
WALK	Watson Lake	
WALR	Wallaroo	
WALT	Westhalten	
WALU	Walls	
WAM	Wambrook	
WAMI	Wamena	
WAN	Wanliss Street	
WAN2	Wando-Q330s	
WANAN	Al Wanan	
WANC	Wrangell North Crater	
WAND	WAND	
WANE	Ethiopian Broadband Seismic Experiment	
WANS	Wainuiomata Hill	
WA-OK	Watson	
WAPA	Wapiti River	
WAR	Warsaw	
WARB	Warburton	
WARBT	Fenglin Township	
WARM	Union City	
WARN	West Arenal	
WARTH	Alte Warth	
WAS	Washington	
WASH	Ethiopian Broadband Seismic Experiment	
WASL	Wasel	
WASM	Alta Sierra Campground	
WASQA	WASQA	
WASW	Wrangell Southwest	
WAT	Watheroo	
WAT1	Susitna Watana 1	
WAT2	Susitna Watana 2	
WAT6	Susitna Watana 6	
WAT7	Susitna Watana 7	
WATA	Walderalm	
WATNG	Wattoning, WA	
WATZ	Wairara	
WAU	Wau	
WAX	Waxell Ridge	
WAY	Waynesburg	
WAZ	Wanganui	
WAZA	Wrangell Mount Zanetti	
WB0	Warramunga Array Site B0	
WB1	Warramunga Ar.	
WB10	Warramunga Array, NT	
WB2	Warramunga Array Site B2	
WB3	Warramunga Array Site B3	
WB4	Warramunga Array Site B4	
WB5	Warramunga Array Site B5	
WB6	Warramunga Array Site B6	
WB7	Warramunga Array Site B7	
WB8	Warramunga Array Site B8	
WB9	Warramunga Array Site B9	
WBA	Furth	
WBAQ	Buaraba 3	
WBB	Darmstadt	
WBBU	Buerstadt	
WBC	Weber Canyon	
WBCS	Westport Buller District Council	
WBCY	West Bay, Grand Cayman	
WBD	Lorch/Rhein	
WBDA	Darmstadt	
WBE	West Bromwich	
WBED	Eschwege	
WBFM	Frankfurt	
WBFO	Grube Fortuna	
WBFS	Weber Fire Station	
WBG	Bieber	
WBH	Biblis	
WBHL	Wabush	
WBHS	Wadi `Ibn Hashbal	
WBI	Whiskey Butte	
WBK	Wadi Bani Khalid	
WBL	White Bluff	
WBMI	Weda Barat, Maluku Utara	
WBMM	Breckenridge Mountain	
WBN	Warburton	
WBNH	Wolfeboro	
WBNI	Wera, Bima, Nusa Tenggara Barat, Indonesia	
WBO	Williamsburg	
WBR	Bronaber	
WBRD	Rasdorf	
WBS	Wahnbachtalsperre	
WBSC	Whangarei Boys High School	
WBSI	Waikabubak, Sumba	
WBSM	Bird Springs	
WBW	Wilson Butte	
WC1	Warramunga Array Site C1	
WC2	Warramunga Array Site C2	
WC3	Warramunga Array Site C3	
WC4	Warramunga Array Site C4	
WCB	Warramunga Array	
WCB1	Church Bay	
WCBC	Windy Craggy	
WCC	Westchester Community College	
WCCN	Westchester CC	
WCDS	Wanganui Civil Defence Store	
WCFM	Cactus Flat W	CFWM
WCFS	Wellington Central Fire Station	
WCGM	China Gardens	CGSM
WCH	Changhua City	
WCH1	Changhua City	
WCHH	Zhanghua	
WCHM	Chimney Peak	
WCI	Wyandotte Cave	
WCIL	Waubonsee CC	
WCK	Wilson Creek	
WCKO	Fanlu	
WCM	Warland Creek	
WCMM	Kenton	
WCN	Washoe City	
WCNB	Wards Creek	
WCNY	West Carthage	
WCO	Washington City	
WCOM	Cook Peak	
WCPM	Cactus Peak W	CPTM
WCS	Beigang Elementary School	
WCSM	Coso Springs S	CSSM
WCSS	Whitecliffs	
WCT	Wildcat Mountain	
WCU	Willow Creek	
WCXM	China Lake Receiver Site	
WCZ	Waipu Caves	
WD-	Windom	WD-MN
WDAS	Wainuiomata Bush Fire Force	
WDB	Woudbloem	
WDB1	Woudbloem 1	
WDB2	Woudbloem 2	
WDB3	Woudbloem 3	
WDB4	Woudbloem 4	
WDBM	Warragamba Dam	
WDC	Whiskeytown Dam	
WDD	Wied Dalam	
WDFS	Ward Fire Station	
WDG	Wallace Dam	
WDGT	Dungji	
WDIN	Wadesville	
WDIS	Woodlark Island	
WDJ	Dajia District, Taichung City	
WDL	Douliou City	
WDLH	Douliu	
WDLM	Western Deep Levels Mine	
WD-MN	Windom	
WDN1	Woodanilling	
WDO	Saint George	
WDPS	Woodville Police Station	
WDS	Woodside	
WDT	Danda	
WDW	Wainui Dam	
WDY	Woody	
WEAV	Weaverville	
WEBR	Weber Reservoir	
WEBT	Westdahl Beartrack Creek	
WECS	Westdahl Cape Sarichef	
WEFM	Wewaria	
WEGH	Weija	

Code	Station Name	Other
WEIJ	Weija Dam	
WEIL	Weil am Rhein	
WEIN	Weingarten	
WEK	Wewak	
WEL	Wellington	
WELAS	Turaif	
WELK	Ethiopian Broadband Seismic Experiment	
WELL	Weller Preserve, CA USA	
WEMD	Westmorland, California	
WEMQ	Wemindji, Quebec	
WEMS	Wellington Emergency Management Office	
WEN	Wenatchee	WNW
WENL	Wente Vineyards, Livermore	
WENY	Wenya	
WEO	Welcome	
WER	Werombi	
WERC	Wheeler Ridge	
WERD	Werda	
WERN	Wernitzgruen	
WES	Weston	
WESC	Westside School	
WESE	West Dahl East	
WESF	Westfeld	
WESN	West Dahl North	
WESP	Westdahl Peak	
WESS	West Dahl South	
WEST	Westmoreland	
WESTB	WESTB	
WET	Wettzell	
WEW	Wewak	
WEWE	WEWE	
WEWK	Wewak	
WF-	Wykoff	WF-MN
WFAR	Faris Peak	
WFB	Fairbourne	
WFES	Wellington Featherston Street	
WFF	Whiting Field	
WFM	Westford	
WF-MN	Wykoff	
WFSB	Wu-fen Shan	
WFSS	Wairoa Fire Station	
WFTFM	Wulanggitang	
WG2	Wallula Gap	
WG3	Wallula Gap	
WGAR	Walnut Grove	
WGB	Blue River	
WGBM	Warragamba	
WGJM	Wringianom, Jawa Timur	
WGK	Gukeng	
WGL	Warangal	
WGLY	Wegel	
WGMA	Westboro	
WGT	Wgital, SZ	
WGW	Wallila Gap	
WGZ	Waimangu	
WH-	Whitehorse	WH-YK
WH2	Whipple Mountains 2	
WH2*	Whitehorse	WH2YK
WH2YK	Whitehorse	
WHA	Wahaula	
WHAB	Al Wahab	
WHAR	Wooly Hollow	
WHB	Whistler	
WHC	Whitehorse	
WHCL	West Hills College	
WHF	Hehuan Shan	
WHFM	Hanning Flat	
WHFN	White Fish Lake	
WHFO	Wadi Hawf	
WHFS	Whataroa Fire Station	
WHH	Whakatau	
WHHZ	Waihua	
WHI	Whitney	
WHM	Wild Horse Parks	
WHMI	Wasile, Maluku Utara	
WHMT	West Haight Mtn., Tennant, CA USA	
WHN	Wuhan	
WHNE	Wahoo	
WHP	Taichung City	
WHR		
WHRZ	Whale Island	
WHSM	Haiwe Spring S	HWSM
WHTX	Lake Whitney, Meridian	
WHTZ	Whakaora	
WHU	Wild Horse	
WHVM	Havilah	
WHVZ	Whangaehu Hut	
WHW	Wright's Hill	
WHY	Whitehorse	
WHYH	Whyalla	
WH-YK	Whitehorse	
WHYT	Xinyi Township	
WHZ	Wether Hill Road	
WI-	Winnemucca	WI-NV
WI01	McKinley Avenue, Clintonville	
WI02	Reinke Road, Clintonville	
WI03	Lunz Road, Clintonville	
WI04	River Road, Clintonville	
WIAZ	Waiheke Island	
WICA	wicheon	
WICI	Willow Creek	
WID	Wido	
WIFE	Three Sisters--Wife	
WIGC	Waiau Gorge	
WIGH	Winneba	
WIH	Wilkes Camp	
WIHG	Wadia Institute--Dehra Dun	
WIL	Wilkes	
WILA	Wila	
WILF	WILFRIDO LOOR	
WILL	Willung South	
WILLF	Boquete	
WILM	Wilmington	
WILN	Americas 2	
WILW	Wilwerwiltz	
WIM	Isle of Man	
WIMIS	Wimmis	
WIMM	Wimmelburg	
WIN	Windhoek	
WINA	Alland / Wienerwald	
WINE	Golden State Vinters, Fresno, CA USA	
WINO	Wino	
WINS	Winston	
WI-NV	Winnemucca	
WIS	Wister	
WISC	Wilburton Instructional Services Center	
WISH	Wishkah	
WIT	Witteveen	
WITU	Witu Islands	
WIW	Wooded Island	
WIZ	White Island	
WJHS		
WJPM	Johns Peak	
WJS	Zhushan	
WK-	Williams Lake	WK-BC
WKA	Willalooka	
WKB	White Rock	
WK-BC	Williams Lake	
WKC	Walker Ridge	
WKC2	Walker Ridge	
WKCM	Wolo	
WKE	Wake	
WKH	Waikii	
WKHS	Whakatane High School	
WKJ	Wajiki	
WKM	Welkom	
WKME	Wakayama	
WKR	Work Ranch	
WKTM	Kern-Tulare	
WKU	Wakaura	
WKY	Wakayama	
WKYJ	Wakayama 2	
WKZ	Wanaka	
WL-	Watson Lake	WL-YK
WLA	Wittsburg Lake	
WLAR	White Oak Lake	
WLBG	Walebing	
WLC	Llyn Conwy	
WLCH	Liuqiu	
WLCT	Hsiaoliuchiu	
WLD	Wild Horse Canyon	
WLDE	Waldi	
WLDR	Wildhorse	
WLF	Walferdange	
WLF1	Llynfaes	
WLFM	Omesuri Atau Wulandoni	
WLFZ	Wanganui	
WLG	Waldron Ledge	
WLGB	Puzi	
WLHM	Little Horse	
WLI	Wellesley Island	
WLJ	Wildlife	
WLJI	Wonosalam, Banten	
WLK	Wiest Lake	
WLKR	Petrolia	
WLL	Williamstown	
WLM	Willow Mountain	
WLO	Wilson	
WLPM	Leibel Peak	
WLRA	Wolmera	
WLS	Welschbruch	
WLTB	Daxi	
WLTFM	Wanasaba	
WLTON	Williston, Northern Cape	
WLVO	Wesleyville	
WL-YK	Watson Lake	
WLZ	Whitehall	
WM-	Williams	WM-AZ
WMA	West Mesa	
WM-AZ	Williams	
WMBQ	Mount Brisbane	
WMCM	Wita Ponda, Sulawesi Tengah	
WMD		
WME	Myndd Eilian	
WMELI	Melilla	
WMG	Wormeldange-Haut	
WMGZ	Waiomatatini Station	
WMH	Warmenhuizen	
WMH1	Warmenhuizen	
WMH2	Warmenhuizen	
WMH3	Warmenhuizen	
WMH4	Warmenhuizen	
WML	Westmorland	
WMLT	Mailiao	
WMN	Winnemucca	
WMNY	West Monroe	
WMO	Wichita Mountains Array	
WMOK	Wichita Mountains	
WMOR	Whale Back Mountain	
WMQ	Urumqi	
WMR	Waimanalo Ridge	
WMRG	Woomera	
WMS	West Middle School	
WMSJ	Wadi Mousa	
WMTN	White Oak Mountain	
WMU	West Mountain	
WMUT	West Mountain	
WMV	Walker Mountain	
WMY	Wakamiya	
WMZ	Williams	
WN-	Winner	WN-SD
WNAS	Wellington International Airport	
WNC	Wilmington	
WND	Windham	
WNDE	Wendo Genet	
WNH	Whiteface	
WNHS	Wellington High School	
WNKS	Wellington Karori Normal School	
WNMM	Nine Mile Canyon	NMC
WNN	Wann	
WNPS	Wanaka National Park Headquarters	
WNR	Windsor	
WNS	Wenas	
WN-SD	Winner	
WNT	Mingjian	
WNT1	Nantou City	
WNVZ	Wahianoa	
WNW	Wenatchee	
WNY	Wilmington	
WNZ	Wairakei	
WO-	Winslow	WO-AZ
WO-AZ	Winslow	
WOB	Weather Observatory	
WODO	Wallace O'Dowd Wildlife Area	
WOER	Woert	
WOFM	Oak Flat	
WOH	Wood Valley	
WOJI	Wonogiri, Jawa	
WOL	Wolverton	
WOLE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
WOLEN	Wohlen bei Bern, Struchismoos, BE	
WOLH	Wollongong Hard Rock	
WON	Wolverton North	
WOO	Woodstock	
WOOD	Lake Woodford	
WOOL	Woolibar	
WOOM	Toowoomba	
WOOW	Woowoonga Park, Biggenden, Queensland, Australia	
WOR	Worcester	
WORM	Onyx Ranch	
WOSB	Woss	
WOSN	Wonsan	
WP01	e3381	
WP02	e3380	
WP04	e3369	
WP05	e3371	
WP06	e3382	
WP08	e3372	
WP20	e3385	
WP21	e3376	
WP22	e3183	
WPA	Woody Point	
WPB	Watts Point	
WPH	West Pit	
WPHZ	Waipukurau	
WPI	Wilson Peak	
WPL	Puli Township	
WPM	White Pine	
WPM1	Penmaenmawr	
WPMQ	Pine Mountain	
WPNY	West Park	
WPO	West Portland	
WPOG	Pogromni	
WPR	Ward Pound Ridge	
WPRZ	Whakapapataringa	
WPS	Cemaes, Anglesey	
WP-TX	Wills Point	
WPVZ	Whakapapa	
WPW	White Pass	
WPWS	Waipawa District Council	
WPZ	Waipapa Point	
WQ-IL	Watseka	
WR-	Walnut Ridge	WR-AR
WR0	Warramunga Array Site R0	
WR1	Warramunga Array Site R1	
WR2	Warramunga Array Site R2	
WR3	Warramunga Array Site R3	
WR4	Warramunga Array Site R4	
WR5	Warramunga Array Site R5	
WR6	Warramunga Array Site R6	
WR7	Warramunga Array Site R7	
WR8	Warramunga Array Site R8	
WR9	Warramunga Array Site R9	
WRA	Warramunga Array Beam Reference Point	
WRAB	Tennant Creek	
WRAI	Warramunga Infrasound Array Beam Reference Point	
WRAK	Wrangell Island	
WR-AR	Walnut Ridge	
WRB	Warramunga Array	
WRC	Williams Ranch	
WRCM	Renegade Can. W	RCWM
WRCQ	Reedy Creek 5	
WRCS	Masterton Wairarapa College	
WRD	Warden	
WRDH	Warideh	
WRG	White River Glacier	
WRGLY	Wrigley	
WRH	Wood River Hill	
WRJI	Curahdami, Jawa Timur	
WRKA	Warakurna	
WRL	Guolierlin High School	
WRM	Warmifontaine	
WRMHI	West Rim	
WRN	Worthington Mountains	
WRNM	Woronora	
WROK	Whale Rock Reservoir, CA USA	
WRPS	Penn State University	
WRS	Warsak Dam	
WRVM	Rose V. Central	RVCM
WRW	Wenatchee Ridge	
WS-	Waterways	WS-AT
WSA	Woomera	
WSAR	Wadi Sarin	
WS-AT	Waterways	
WSC	Washington Science Center	
WSCM	Short Canyon	
WSCO	Wright State University--Celina	
WSDO	Wright State University--Dayton	
WSDZ	Springvale	
WSF	Szhu	
WSFC	Westerfield	
WSFZ	Santoft	
WSH	Washington Hill	
WSHM	Spangler Hills	
WSI	Waingapu	
WSIL	West Salem	
WSJM	Warungkiara, Jawa Barat	
WSKAK	WSKAK	
WSL	Shuilin Township	
WSLR	Whistler	
WSN	Warm Springs	
WSNC	Winespring Bald	
WSNZ	Santoft	
WSP	Warm Springs	
WSPT	Westport, CT	
WSR	Warm Springs Repeater	
WSRE	Westside REC, California	
WSRZ	White Island Summit, North Island, New Zealand	
WSS	West Ashley	
WSSB	Gushan	
WSSR	Wesser Bold	
WSSZ	Parewanui	
WST	Stwlan	
WSTMM	Werinama	
WSYH	La Gonave Hosp	
WT-	Wartburg	WT-TN
WTAZ	Waiatarua	
WTBG	Waterberg Wilderness,Limpopo Province	
WTBKS	WTBKS	
WTC	Waterton	
WTCR	Whites Canyon	
WTCT	Ta-ch'eng	
WTES	Wellington The Terrace	
WTFS	Witchita Falls	
WTGQ	Toogoolawah	
WTK	Tuku	
WTLY	Watson Lake, Yukon	
WTMC	Te Mara Farm Waiau	
WTMTA	White Mountain Lookout Tower, Alberta	
WTNK	Soaring Heights, Las Vegas	
WTP	Ta-pu	
WTPK	Wilton Park	
WTR	Waterville	
WTRB	White River	
WTRQ	Thallon Road	
WTS	Winterswijk	
WTSB	Winterswijk	
WTT2	Watts, South Gate	
WTTA	Wattenberg	
WT-TN	Wartburg	
WTU	Western Traverse Mountains	
WTUG	Tugumak	
WTV	Waterville	
WTVE	Waterville	
WTVZ	West Tongariro	
WTW	West Thumb	
WTX	Workman Tunnel	
WTYS	Wellington Tennyson Street	
WTZ	Whakatane	
WUAZ	Wupatki	
WUC	Wuhan	WHN
WUCE	Wuchale	
WUET	Wuestenhain	
WUH	Wuhan	
WUNP	San Ardo, CA	
WUPA	West Chester University of Pennsylvania, USA	
WUPCM	Wara Utara	
WUS	Wushi	
WUSB	Renai	
WUW	Wuwei	
WUWY	Wally Ulrich	
WVA	Winnemucca Valley	
WVAS	Waitaha Valley Strong	
WVFS	Wairau Valley Farm	
WVIL	Wabash College	
WVL	Waterville	
WVLY	West Valley	
WVNY	West Valley, New York	
WVOR	Wild Horse Valley	
WVPM	Volcano Peak E	VPEM
WVR	Vyrnwy	
WVT	Waverly	
WVUT	Wellsville	
WVZ	Waitaha Valley	
WW-	Wah Wah Mts	WW-UT
WWCA	Taichung City	
WWCI	Wangi-wangi, Sulawesi Tenggara	
WWF	Wufeng	
WWHQ	Wivenhoe Hill 3	
WWHS	Walla Walla High School ANSS SMO	
WWKK	Wewakk	
WWPI	Waropen Bawah, Papua Barat	
WWPM	Walker Pass	
WWR	Whitewater	
WW-UT	Wah Wah Mountains	
WWW	Wewak	
WY-	Wynne	WY-AR
WY0	Wyoming Array	WYO
WYA	Wyangala	
WYA2	Wyalkatchem	
WYAL	Wyalkatchem	
WY-AR	Wynne	
WYBT	Wynnburg	
WYH	Wyhlen	
WYL	Yuanlin Township	
WYN1	Wijnaldum	
WYN2	Wijnaldum	
WYN3	Wijnaldum	
WYN4	Wijnaldum	
WYO	Wyoming Array	
WZ-NV	Warm Springs	
X102	Greenbrier Site X102	
X13A	Yucca	
X14A	Yava	
X15A	Humboldt	
X16A	Lo Mia Camp, Pine	
X17A	Forest Lakes	
X18A	Snowflake	
X19A	St. Johns	
X201	Greenbrier Site X201	
X20A	Quemado	
X21A	Alamocita Creek, Datil	
X22A	Bernardo	
X23A	Hourglass Bar Ranch, Mountainair	
X24A	Lazy VL Ranch, Encino	
X25A	Clemmons Ranch, Yeso	
X26A	CR and CF Franklin Farms, Melrose	
X27A	F and S Farms, Texico	
X28A	Dimmitt	

Code	Station Name	Other
X29A	Tulia	
X301	Greenbrier Site X301	
X30A	Coker Ranch, Turkey	
X31A	McDonald Ranch, Hollis	
X32A	Elmer	
X33A	Lawton	
X34A	Smith Ranch, Marlow	
X35A	Drake	
X36A	Centrahoma	
X37A	Clayton	
X38A	Whitesboro	
X39A	Fountain Ranch, Mena	
X40A	Basin Creek Farm, Marlvern	
X41A	Kaden, Bauxite	
X42A	Stuttgart	
X43A	Marvell	
X44A	Crenshaw	
X45A	UM Field Station, Abbeville	
X46A	Booneville	
X47A	Russelville	
X48A	Hartselle	
X49A	Woodville	
X50A	Fort Payne	
X50B	Fort Payne	
X51A	Calhoun	
X52A	Dahlonega	
X53A	Estanollee	
X54A	Belton	
X55A	Gracelyn & Ava, Whitmire	
X56A	White Oak	
X57A	Johnson Farm, Hartsville	
X58A	Rowland	
X59A	McDuffie Farm, Elizabethtown	
X60A	Albert Glenn Thornton	
XAFF	Xaffevillers	
XAL	Allendale	
XALA	Xalapa	
XAN	Xi'an	
XAN2	Xanthi	
XANC	Avdira	
XANT	Xanten, Dombauhtte	
XAUDM	Khaudum	
XAVN	Gruta Xavier	
XCVM	Xochimilco	
XDE	Dent Fell	
XIII	Pantano de Alfonso	
XIN	Xingo	
XIO	Khios Island	
XIXI	Borongxiang, Xizang Zizhiqu	
XLKS	Xylokastro	
XLND	Xilendi	
XLT	XiLinHaoTe	
XLV	Seldovia	
XMAS	Kiritimati	
XMI	Christmas Island	
XMIS	Christmas Island	
XMS	Christmas Canyon	
XNQ	Khinaliq	
XNZR	Khunzakh	
XOR	Xorichti	
XPFO	Pinon Flat	
XPSS	Dashiqiu	
XROB	Xrobb L-Ghagin	
XRY	Khrisi	
XSO	Sourhope Farm	
XTAL		
XTL	Crystal Lake, Glendora	
XTNZ	Xhotanan	
XYB	Khnkoyan	
XYLO	Xylokastro	
XYLS	Xyliatos	
Y12C	Blythe	
Y13A	Salome	
Y14A	Wickenburg	
Y15A	Casa Rosa Ranch, Morristown	
Y16A	Circle Bar Ranch, Sunflower	
Y17A	Roosevelt	
Y18A	Canyon Day Junior High, Whiteriver	
Y19A	Nutrioso	
Y20A	Horse Springs, Datil	
Y21A	Point of Rocks Canyon, Magdalena	
Y22A	Socorro	
Y22C	IRIS PASSCAL Instrument Center, Socorro	
Y22D	IRIS PASSCAL Instrument Center, Socorro	
Y22E	IRIS PASSCAL Instrument Center, Socorro	
Y22F	Passcal Instrument Center, Socorro	
Y23A	Lovelace Mesa, Carrizozo	
Y24A	Capitan	
Y25A	Mesa, Roswell	
Y26A	Elida	
Y27A	Causey	
Y28A	McKinney Farm, Littlefield	
Y29A	Porterfield Farm, Petersburg	
Y30A	Stafford Cattle Company, Roaring Springs	
Y31A	Rekieta Farm, Paducah	
Y32A	R-V Farms, Vernon	
Y33A	Hilltop Ranch, Iowa Park	
Y34A	Reagan Ranch, Oscar	
Y35A	Marietta	
Y36A	Durant	
Y37A	Hugo	
Y38A	Idabel	
Y39A	Lockesburg	
Y40A	Okolona	
Y41A	Eaglette Bearden	
Y42A	Garnett, Star City	
Y43A	Makayla and Karen, Gunnison	
Y44A	Strider, Charleston	
Y451		
Y452		
Y453		
Y455		
Y457		
Y458		
Y45A	Yeager Farm, Coffeeville	
Y46A	Houston	
Y47A	UCPARC, Winfield	
Y48A	Jasper	
Y49A	Blount Mountain	
Y50A	Piedmont	
Y51A	Rockmart	
Y52A	Lilburn	
Y53A	Monroe	
Y54A	Tignall	
Y55A	Saluda	
Y56A	Pelion	
Y57A	Sumter	
Y58A	Scranton	
Y59A	Loris	
Y60A	Bolivia	
Y610		
Y613		
Y617		
Y765		
Y766		
Y769		
Y770		
Y771		
Y772		
Y773		
Y774		
Y778		
Y860		
Y863		
Y867		
Y868		
YA-	Yakima	YA-WA
YA2	Yakima	
YAG	Yagi	
YAGS	Yagodnoe	
YAH	Yahtse	
YAHL	Yahel	
YAHU	Yahuarcocha	
YAHY	KAYSERI_Yahyali	
YAIG	Yautepec	
YAK	Yakutsk	
YAKH	Yakhch	
YAKW	Yakima	
YAL	Yalta	
YALA	Shishapangma	
YALB	Yaro	
YALI	Yalız, ankırı	
YALR	Yailyu, Altay Republic, Russia	
YALV	Yalova Cinnet	
YAM	Yamagata	
YAMJ	Yamagata	
YAMN	Yamanlar	
YAN	Yangoru	
YANA	Yana	
YANG	Angren	
YANT	Yantzaza	
YAPA	Yangpyeong	
YAPP	Yappala Station, SA	
YAQ	Yaqui Meadows	
YAR	Yar	
YARA	Arangoiti	
YARM	Yarimca-Ladik(Samsun)	
YARP	Jiguani	
YARR	Yarramundi, NSW	
YAS	Yuasa	
YASH	Mount Yoash	
YASP	Aspurt	
YASR	Yasnyy	
YASS	Yasnyy	
YAT	Yaldymych	
YATNC	Mamie plateau, Yate, New Caledonia	
YA-WA	Yakima	
YAY	Yayoi	
YAYA	Ganghyeon	
YAYB	Yangyang	
YAYE	Debre Tabor	
YAYL	Yayladag	
YAYO	Edremit, Balıkesir	
YAYX	Yaylak	
YAZI	Yazıky, Data, Mula	
YBER	Berdun	
YBGR	Belaya Gora	
YBH	Yreka Blue Horn Mine, Yreka	
YBIB	Yerba Buena Island	
YBKN	Baker Lake, Hudson Bay	
YBMT	Yellow Bay	
YBT	Youssef Ben Tachfine	
YBZ	Yangibazar	
YCA	YACYRETA	
YCB	Yellow Creek Bluff	
YCM	YMCA Camp	
YCRN	Chernyshevskiy	
YCS4	infrastation_yeonchen	
YDRA	Hydra	
YE6	Yeelanna, site6	
YEBES	Yebes (Guadalajara)	
YECH	El Yeso	
YEDI	Yedisu-Bingol	
YEG	Yeguas Mountain	
YEL	Yellow Rock	
YEL1	Yell	
YELA	Yelapa	
YELM	Yotvata	
YELT	Yellice	
YELU	Yell	
YENC	Yenice, ankırı	
YENG	Yeonggwang	
YENI	Yenice-Canakkale	
YER	Yerkesik	
YERM	Yerranderie	
YERR	Yerington	
YESI	Yesilovacik-Mersin	
YESY	Yesilyurt	
YEYB	Yeongyang	
YF2NV	Yucca Flat NTS	
YF3NV	Yucca Flat NTS	
YF4NV	Yucca Flat NTS	
YF-NV	Yucca Flat NTS	
YFRK	Road 90 - Yafruk	
YFT	Old Faithful	
YFTH	Yftach	
YGAA	Yongam	
YGBA	yangbuk	
YGI	Yagi	
YGJA	Yongjeong	
YGR	Yagur	
YGTL	Yigitali	
YHAZ	YHAZ	
YHB	Horse Butte	
YHH	Holmes Hill	
YHJ	Yallahs	
YHK	Yuen Ng Fan	
YHKE	Yahiko	
YHL	Hebgen Lake	
YHNB	Yeheng	
YHOZ	YHOZ	
YHR	Hawk`s Rest	
YHRM	Eilat	
YIGI	Dzce	
YIN	Yingkou	
YINB	Yongin	
YITV	Yitav	
YJA	Yavi	
YJC	Joseph's Coat	
YJD	YOUNGJONGDO	
YK1	York	
YK2	York	
YK3	York	
YK4	York	
YKA	Yellowknife Array Beam Reference Point	
YKAB0	New Yellowknife Blue 10	
YKAB1	New Yellowknife Blue 1	
YKAB2	New Yellowknife Blue 2	
YKAB3	New Yellowknife Blue 3	
YKAB4	New Yellowknife Blue 4	
YKAB6	New Yellowknife Blue 6	
YKAB7	New Yellowknife Blue 7	
YKAB8	New Yellowknife Blue 8	
YKAB9	New Yellowknife Blue 9	
YKAR1	New YK Array red 1	
YKAR2	New YK Array red 2	
YKAR3	New YK Array red 3	
YKAR4	New YK Array red 4	
YKAR5	New YK Array red 5	
YKAR6	New YK Array red 6	
YKAR7	New YK Array red 7	
YKAR8	New YK Array red 8	
YKAR9	New YK Array red 9	
YKAV	Yalikavak-Bodrum	
YKAW1	Yellowknife White 1	
YKAW3	Yellowknife White 3	
YKB	Yanggu	
YKB0	Yellowknife Array Site B0	
YKB1	Yellowknife Array Site B1	
YKB2	Yellowknife Array Site B2	
YKB3	Yellowknife Array Site B3	
YKB4	Yellowknife Array Site B4	
YKB5	Yellowknife Array Sites B5 and R8	
YKB6	Yellowknife Array Site B6	
YKB7	Yellowknife Array Site B7	
YKB8	Yellowknife Array Site B8	
YKB9	Yellowknife Array Site B9	
YKBL	Yakuplu-Istanbul	
YKC	Yellowknife	
YKDB	Yokjido	
YKE	Yakedake	
YKGM	Yakataga	
YKI	Yokaichiba	
YKLR	Yuktali	
YKM	Yaak	
YKR0	Yellowknife Array	
YKR1	Yellowknife Array Site R1	
YKR2	Yellowknife Array Site R2	
YKR3	Yellowknife Array Site R3	
YKR4	Yellowknife Array Site R4	
YKR5	Yellowknife Array Site R5	
YKR6	Yellowknife Array Site R6	
YKR7	Yellowknife Array Site R7	
YKR8	Yellowknife Ar.	YKB5
YKR9	Yellowknife Array Site R9	
YKS	Yaku shima	
YKT	Yakutat	
YKU	Yakutat	
YKU2	Yakutat	
YKUG	Yulia Kugaenko	
YKW1	Yellowknife Array Site W1	
YKW2	Yellowknife Array Site W2	
YKW3	Yellowknife Array Site W3	
YKW4	Yellowknife Array site W4	
YLA	Ilan	ILA
YLE	Yale	
YLL	Llanberis	
YLMLM	YLMLM	
YLNS	Uelen temporary site, Chukotka	
YLT	Little Thumb Creek	
YLTN	Yulton	
YLV	Yalova	
YLVH	Yalova	
YLVJ	Yalavanc, Azerbaijan	
YLYR	Ulyunkhan	
YM01	YM01	
YM03	YM03	
YM04	YM04	
YM05	YM05	
YM06	YM06	
YM07	YM07	
YM08	YM08	
YM09	YM09	
YM10	YM10	
YM11	YM11	
YM12	YM12	
YMBN	Yamba Lake	
YMC	Maple Creek	
YMD	Yuma Desert	
YML	Mary Lake	
YM-NV	Yucca Mountain	
YMP	Mirror Lake Plateau	
YMR	Madison River	
YMS	Mount Sheridan	
YMT1	Yucca Mountain	
YMT2	Yucca Mountain	
YMT3	Yucca Mountain	
YMT4	Yucca Mountain	
YMT5	Yucca Mountain	
YMT6	Yucca Mountain	
YMUS	Pea Musera	
YMV	Mammoth Vault	
YMZ	Yamizo	
YMZU	Yamizo	
YNAR	Nardues-Aldunate	
YNB	Natural Bridge	
YNBS	Yanbu` al Bahr	
YNC	Yinchuan	
YNCB	YEONCHEON	
YNCM	YENICE	
YND	Yaounde	
YNDB	Yeoundo	
YNDE	AfricaArray - AF	
YNE	Yellowstone Northeast Entrance	
YNEN	Yamba Lake Northeast	
YNG	Young	
YNGY	Yangiyul	
YNM	Yellowstone Norris Museum	
YNR	Norris Junction	
YNT	Yunotani	
YOA	Uoyan	
YOA0	Yeongam	
YOAB	Uoyan, Buryatiya, Russia	
YOBS		
YOCB	Yeongcheon	
YOCI	Acelerografo, Colegio de Ingenieros Jujuy	
YODB	Yeongdeok	
YOGI	Yogyakarta	
YOIG	Yosondua	
YOJ	Yonaguni jima	
YOJB	Youngju	
YOK	Yokohama	
YOKT	Yokooka	
YOMI	Yo Moklole	
YON	Yonago	
YONJ	Yonago 2	
YOO	Oaxaca	
YOPC	Yopal, Colombia	
YORHN	Yoro	
YORU	Yoruktepe-Mersin	
YOS	Yoshiwara	
YOSD	Yoshimatsu	
YOSQ	Ashton Mining of Canada property	
YOTC	Yotoco, Valle del Cauca	
YOU	Young	
YOUB	Youbou, Lake Cowichan	
YOVA	Hakkari_Yksekova	
YOZ	Yozgat	
YOZG	Bozok Univ. Merkez-YOZGAT	
YPBB	Black Butte	
YPBE	Bechler	
YPBR	Bridge Bay	
YPCJ	Canyon Junction	
YPD	Yeonpyeongdo	
YPDB	Yeonpyeongdo	
YPDC	Denny Creek	
YPE	Yupe	
YPEE	East Entrance	
YPGV	Grant Village	
YPHR	Hebgen Ridge	
YPHS	Hot Springs Basin	
YPK	Parker Peak, Yellowstone National Park	
YPLA	Lake Butte	
YPLB	Lake Butte	
YPLK	Lake Junction	
YPM	Purple Mountain	
YPMF	Mesa Falls	
YPML	Mary Lake	
YPOF	Old Faithful	
YPP	Pitchstone Plateau	
YPPC	Pelican Cone	
YPRL	Red Lodge	
YPSB	Soda Butte	
YPSE	South Entrance	
YPT	Yellepit	
YPTB	Twin Buttes	
YPTS	Trude Siding	
YPWB	West Boundary	
YR-	Yreka	YR-CL
YRC	Rhoscolyn	
YR-CL	Yreka	
YRD	Yardimli	
YRE	Yr Eifl	
YRG	Yaruga	
YRH	Rhiw	
YRMI	Loutra Irminis,Achaia	
YRTN	Rankin Inlet	
YSA	Yasawairara	
YSAB	Yesan	
YSAH	Yuzhno-Sakhalinsk, Sakhalin, Russia	
YSIG	Sigues	
YSK	Yokosuka	
YSM	Yoshimatsu	
YSNY	Yorkshire	
YSOS	Sos del Rey Catolico	
YSS	Yuzhno-Sakhalinsk	
YST	Yumesaki	
YSUO	Youngstown State University	
YTC	Trail Creek	
YTIR	Yattir	
YTP	The Promontory	
YTV	Yen Tu	
YTVT	Yotvata	
YUB	Yubileniya	
YUBA	Cisco Grove, Yuba Pass, CA USA	
YUC2X	Ejido Yucatan	
YUCAX	Ej. Yucatn	
YUF	Upper Falls	
YUGA	Yugu	
YUH	Yuha Desert	
YUH2	Yuha Desert	
YUK	Yuzh-Kuril'sk	
YUK1	Sand Pete Hill	
YUK2	White River	
YUK3	Moose Creek	
YUK4	Talbot Arm	
YUK5	Granite Creek	
YUK6	Outpost Mountain	
YUK7	Dusty Glacier	
YUK8	Steele Glacier	
YULB	Yu-li	
YUM	Yumen	
YUMT	Yumurtalik	
YUN	Yundola	
YUND	Undues	
YUNZ	YUNZ	
YUO	Iwo jima	
YUP	Yupiltepeque	

Code	Station Name	Other
YURE	YUREGIR	
YUS	Yu-Shan	
YUSH	Yuscaran	
YUVA	Yuva-Kibriscik (Bolu)	
YUX	Yurimuri	
YVAC	Isparta, Yalvac-Ozguney	
YVAM	Verhnyaya Amga	
YWY	West Yellowstone	
YXBM	Banmiancun	
YYI	Yaongyimsen	
YYLC	Yaylacik	
YYYY	Yonkie	
YZKH	Yazd	
YZT	Yamasaki	
YZU	Yuzawa	
Z13A	Yuma Proving Gounds (US Army), Dateland	
Z14A	Wintersburg	
Z15A	Gila River Indian Community, Laveen	
Z16A	Peralta Trail, Apache Junction	
Z17A	San Carlos High School, San Carlos	
Z18A	Geronimo	
Z19A	T-Link Ranch, Clifton	
Z20A	Nine Sixteen Ranch, Cliff	
Z21A	St. Cloud Mine, Winston	
Z22A	Elephant Butte, Truth or Consequences	
Z23A	Rita Site, White Sands Missle Range	
Z24A	Sheeppen Canyon, Tinnie	
Z25A	Roswell	
Z26A	Caprock	
Z27A	Tatum	
Z28A	Tucker Farm, Meadow	
Z29A	Hungry Hill Ranch, Wilson	
Z30A	Sanderson Ranch, Post	
Z31A	Sharp Cattle Ranch, Aspermont	
Z32A	Haskell	
Z33A	Whitaker Ranch, Olney	
Z34A	Collier Ranch, Chico	
Z35A	Perchaven, Sanger	
Z36A	Blue Ridge	
Z37A	Pogue Cattle Company, Sulphur Springs	
Z38A	Mt. Pleasant	
Z39A	Irene McRaven, Queen City	
Z40A	Long Farm, Magnolia	
Z41A	Richland Creek Farm, El Dorado	
Z42A	Norrel Spur, Hamburg	
Z43A	Armstrong Family, Eudora	
Z44A	Pea Ridge, Belzoni	
Z45A	Winona	
Z46A	Louisville	
Z47A	Carrollton	
Z48A	Northport	
Z49A	Columbiana	
Z50A	Ashland	
Z51A	Franklin	
Z52A	Williamson	
Z53A	Monticello	
Z54A	Sparta	
Z55A	Blythe	
Z56A	Williston	
Z57A	Bowman	
Z58A	St. Stephen	
Z59A	Georgetown, SC	
ZA1	Zafferana	
ZAA0	Zalesovo Array Site A0	
ZAA1	Zalesovo Array Site A1	
ZAA2	Zalesovo Array Site A2	
ZAA3	Zalesovo Array Site A3	
ZAB	Zabrze	
ZAB1	Zalesovo Array Site B1	
ZAB2	Zalesovo Array Site B2	
ZAB3	Zalesovo Array Site B3	
ZAB4	Zalesovo Array Site B4	
ZAB5	Zalesovo Array Site B5	
ZAC	Zacaltic	
ZACH	Zapallar	
ZAES	Estanzuela	
ZAF	Zafarana	
ZAFR2	Estanzuela, Zacapa	
ZAG	Zagreb	
ZAG*	Zagreb	
ZAGS	Zajecar	
ZAHL	Zahle	
ZAI	Zaio	
ZAIG	Zacatecas	
ZAK	Zakamensk	
ZAK2	Zakynthos	
ZAL	Zalesovo	
ZALD	Colegio Gonzalo Zaldumbide - Quito	
ZALF	Zalf	
ZALV	Zalesovo Beam	
ZAM	Aeronautique	
ZAMK	Zamankul	
ZAN	Zante	
ZANG	Zanguenga, Chorrera	
ZAPA	Alfaro Ruiz	
ZAPC		
ZAPS	Zavoj	
ZARA	Zarafshon	
ZARC	Zaragoza, Cauca	
ZARE	Zarcero	
ZARO	Zacharo	
ZARR	Zarrentin	
ZATK	Zatriq	
ZAV	Zavalia	
ZAVE	Correggio Bag	
ZAVS	Zavodnje	
ZAX	El Zacaton	
ZBID	Zabid	
ZBNS	Zbynov	
ZC01	Zona Comercial 1	
ZC06	Zona comercial 6	
ZCCA	Zocca	
ZCP	Zamboanga City	
ZCPR	Zona Ceiba Puerto Rico	
ZEA	Zeya	
ZEDA	zmir-Bergama	
ZEDO	Perez Zeledon	
ZEFH	ZEFH	
ZEFT	Zefat	
ZEI	Tsey	
ZEIT	Gabal Elzet	
ZEITZ	Schloss Moritzburg Zeitz	
ZELE	Perez Zeledon	
ZELS	Zelsheim	
ZEM	Michoacan	
ZEN8	San Zeno di Montagna	
ZER	Zerhoun	
ZERI	Nueva Zelanda, Rincon	
ZEU	Talsperre Zeulenoda	
ZEY	zmir	
ZEYE	Izmir, Urla-Zeytineli	
ZFI	Zemlya Franca-Iocifa	
ZFI2	Zemlya Franca-Iocifa2	
ZFRI	Zfri	
ZFT	Errachidia	
ZGN	Zaghouan	
ZGR	Zagora	
ZGR4	Zagorskoe	
ZGT	Zonguldak	
ZHC	Zelena Hora	
ZHDN	Zahedan	
ZHET	Zhetisay	
ZHG	ZHG	
ZHGX	Zihuatanejo	
ZHI	Cilov Adasi	
ZHN	Zhinishke	
ZHOB	Zhob	
ZHSF	Zahedan	
ZIAN	Ziano	
ZIDIL	Castrovillari (CS)	
ZIH	Zihuatanejo	
ZIIG	Zihuatanejo	
ZIM	Zimchurud	
ZIMR		
ZIN	Mount Zion Church	
ZINI	Mgazini	
ZIP	Tsipikan	
ZIRI	Ziria, Aigialia, West Greece	
ZIRJ	Zirje	
ZIRO	ZIRO	
ZIS	Zishin	
ZKR	Zakros	
ZKS	Zakynthos	
ZKT	Zaqatala	
ZKTA	Zakatala	
ZKW	Sheshan	
ZL21	Zuidlaarderveen (2)	
ZL22	Zuidlaarderveen (2)	
ZL23	Zuidlaarderveen (2)	
ZL24	Zuidlaarderveen (2)	
ZLA	Zuerich Laegern	
ZLDR	Utesnoe	
ZLN	Zelenaya	
ZLNR	Zelenogorsk	
ZLP	Zongo (La Paz)	ZOBO
ZLV	Zuidlaarderveen	
ZLV1	Zuidlaarderveen	
ZLV2	Zuidlaarderveen	
ZLV3	Zuidlaarderveen	
ZLV4	Zuidlaarderveen	
ZMN	Zimniki	
ZMP	Zamboanga	
ZMPH	Zamboanga City	
ZNGN	Zangian	
ZNH	Zanoah	
ZNJK	Zanjan	
ZNM	Zenema	
ZNPU	Zion National Park	
ZNT	Zur Nathan	
ZOBO	Zongo (La Paz)	
ZOBR	Brasov	
ZOFR	Zofira	
ZOMB	Zomba	
ZON	Zonda	
ZONE	Zone	
ZOU	Zoufplan	
ZOVE	Zovencedo	
ZOX	Ground Zero	GZN
ZPG	ZOLA PREDOSA GESSI	
ZPLA	Ao Xicun	
ZPP	ZOLA PREDOSA PIANA	
ZPXH	Xianghu	
ZQRN	Zuqar Island	
ZRB	Zarabog	
ZRD	Zardab	
ZRDN	Zarand Kerman	
ZRF	Zarafshan	
ZRH	Zaryechye, Baikal	
ZRHB	Zarechye	
ZRN4	Zerenda array site	
ZRN5	Zerenda array site	
ZRN6	Zerenda array site	
ZRN7	Zerenda array site	
ZRN8	Zerenda array site	
ZRN9	Zerenda array site	
ZRNK	Zerenda	
ZRNV	Zarnava, Azerbaijan	
ZRO	Akutan Zero	
ZRSH	Zarishat	
ZRT	Zar'it	
ZSC	Sheshan	
ZSC*	Sheshan	
ZSH	Tsaishi	
ZSN	Zaisan	
ZSP	San Pablo Dam	
ZST	Bratislava	
ZTZ	Tsit'eli Tsqaro	
ZUG	Zugdidi	
ZUGS	Zugspitze, Schneeferner	
ZUKM	Zukim	
ZUL	Zurich-Lageren	
ZUMB	Zumba	
ZUQR	Zugar Island	
ZUR	Degenried	
ZUVM	ZUMPANGO	
ZUZH	Zhuzihu	
ZVC	Zvikov	
ZWE1	Zweins	
ZWE2	Zweins	
ZWE3	Zweins	
ZWE4	Zweins	
ZWI	Zwiefalten, Hayingen-Wimsen	
ZYBG	Zeytinbag	
ZYR	Zyryanka	
ZZA	Chiapas	
ZZJH	Jiuhuzhen	
ZZT	Zu Zu	

SEISMOLOGICAL OBSERVATORIES

IN ORDER OF GEOGRAPHICAL ZONE

AFRICA

Algeria

EADEB	Ain Deheb	
CJSR	Ain Djasser	
CAEH	'Ain El Ouahch	
AFRS	Ain Fares	
EANR	'Ain N'Sour	
EASA	Ain Sidi Ali	
CASM	Ain Smara	
CAZD	Ain Tagrout	
AKF	Akfadou	
MOLA	ALG	
ABA	Alger-Bouzareah	
ALG	Algiers University	
EARB	Arib	
CBBAR	Babar	
BAB	Beni-Abbes	
OBBL	Beni Bahdel	
EBNH	Beni Haoua	
CBHR	Beni Haroun dam	
EBNR	Beni Rached	
CBOS	Bilal Ibnou Rabah	
OBHAM	Bir El Hammam	
ABRIN	Birine	
CBST	Bordj Sabath	
CBND	Bou Andas	
EBGR	Bougara	
CBOGS	Bougous	
ODJA	Bouhanifia	
ABMS	Boumerdes	
ACHR	Chrea	
CNS	Constantine	
ESS	CRAAG	
ADCK	Dar Chioukh	
EDDR	Deurdeur	
ABSA	Djebel Ababsia	
CABS	Djebel Ababsia	ABSA
OJBR	Djebel Berber	
DFRA	Djebel Bou Affroun	
EBHM	Djebel Bou Ahmed	
OBLS	Djebel Bou Ietas	
EBOM	Djebel Bou Maad	
EBYL	Djebel Bou Yalou	
ADJB	Djebel Djouab	
OJGS	Djebel Guires	
OKGL	Djebel Kef Guellal	
AKET	Djebel Ketaf	
OKJL	Djebel Kodjel	
EMHD	Djebel Mahouada	
CMAH	Djebel Manchoura	
OMID	Djebel Midouna	
ESAD	Djebel Saadia	
ETHB	Djebel Tachoubennt	
ETAN	Djebel Tanoua	
ATAF	Djebel Tarf	
CTEI	Djebel Teioualt	
OTSS	Djebel Tessala	
EHRZ	Djelida	
OFRG	Douar Fergoug	
CDCN	Doucen	
ADOR	Douera	
ODZI	Dziouia	
ECHF	Ech Chlef	
ECHA	Ech Chlef	
CKTS	El Kantara	
AKED	El Kharrouba	
TAM2	Geoscope - G, TAM	
CGUE	Guelma	CGMA
CGMA	Guelma	
IAA	In Amguel	
AKAY	Kef Ayad	
CKHR	Kef el Ahmar	
CKFL	Kef-Lekhel	
AMDA	Medea	
MEB	Medea	
CMER	Merouana	
OMET	Metahra	
AMRH	Mont Rhoder	
CNGR	Negrine	
USTO	Oran	
COAT	Oued Athmania	
EOFD	Oued Fodda	
OFD	Oued Fodda	
EKMS	Oued Kramis	
ABSD	Ouled Sidi Brahim	
OLHC	Oulhaca	
CRHA	Rehia	
REL	Relizane	
RLA	Relizane	
SET	Setif	
OSBL	Sidi Abdelli	
ABKD	Sidi Amar	
AFDJ	Sidi Ladjel	
ESMB	Sidi M'hamed Benaouda	
CSGS	Sigus	
SKDA	Skikda	
ADJF	Tadmit	
TFR	Tafraoute city	
ATKB	Taksebt	
TAM	Tamanrasset	
CTCHA	Tamokra	
ETRT	Tiaret	
ATKJ	Tikjda	
CTGD	Timgad	
ATIP	Tipaza	
ATPZ	Tipaza	
TEC	Tlemcen	
OTLM	Tlemcen	
EZEK	Zmalet El Emir Abdelkader	

Angola

CAXIT	CAXITO
DUN	Dundo
DUNDO	Dundo
GABEL	GABELA
KUITO	Kuito, Bie
LUA	Luanda
LUBAN	Lubango
LUENA	Luena
PORTQ	Porto Quipiri, Bengo
SDB	Sa da Bandeira

Botswana

UBOT	Bothatogo
BTLPN	BTLPN
CKGRV	CKGRV
GRTLG	Ghanzi
GMARE	Gumare
KGCAE	Kacgae
KSANE	Kasane
KDWAN	Kaudwane
KBH1	Kgwebe Hills
XAUDM	Khaudum
KHWEE	KHWEE
KOOLE	Kule
LPHEP	Lephephe
LBTB	Lobatse
LKGWB	Lokgwabe
MAKGR	Makgori
MWG1	Mawana Gate
MREMI	Moremi
MTP1	Motopi
NE201	NE201
NE202	NE202
NE203	NE203
NE204	NE204
NE205	NE205
NE206	NE206
NE207	NE207
NE208	NE208
NE209	NE209
NE210	NE210
NE211	NE211
NE212	NE212
NE213	NE213
NE214	NE214
NE215	NE215
NE216	NE216
NE217	NE217
NE218	NE218
NE219	NE219
NE220	NE220
NE221	NE221
ORC1	Okavango Research Center
PHPEN	Phepeng
PHDHD	Phuduhudu
QNGWA	Qangwa
QNG1	Qangwa
SVT1	Savuti
SKOMA	Sekoma
SLIND	Selinda
SOOWA	Sowa
BROLN	Tlhalogang
TOT1	Toteng
TSD1	Tsodilo

Burundi

BUJA	Bujumbura/Burundi

Cameroon

ACM11	Abong Mbang, CM11
YNDE	AfricaArray - AF
EKNA	AfricaArray - AF
ACM06	Ambam, CM06
BNC	Bambui
ACM25	Banyo, CM25
ACM15	Bare, CM15
BTE	Batoke
ACM14	Batouri, CM14
ACM16	Bfoussam II, CM16
BKO	Bokosso
ACM20	Bu, CM20
ACM01	Campo, CM01
ACM32	Dougou, CM32
EDA	Edea
EKC	Ekona
ACM30	Figuil, CM30
FBT	Foumbot
KMC	Kompina
ACM05	Kribi, CM05
KBC	Kumba
ACM13	Kumba, CM13
ACM19	Magba, CM19
ACM18	Mamfe, CM18
ACM02	Meyiboto, CM02
MOKC	Mount Cameroon
MOC	Mount Cameroon
ACM08	Ndonga, CM08
ACM10	Ngambe, CM10
ACM04	Ngan, CM04
ACM22	Ngaoundal, CM22
ACM26	Ngaoundere, CM26
NGC	Ngoundere
ACM12	Ntui, CM12
ACM23	Ntumbaw, CM23
ACM24	Ntumbaw, CM24
ACM28	Poli, CM28
ACM21	Tibati, CM21
ACM27	Tignere, CM27
ACM31	Yagoua, CM31
YND	Yaounde
ACM29	Yelwa, CM29
ACM03	Yokadouma, CM03
ACM17	Yoko, CM17

Cape Province

MATJ	Matjiesfontein
MERW	Merweville

Cape Verde Islands

CVBV5	Boa Vista, Curral Velho
CVBV6	Boa Vista, Fundo de Figueiras
CVBV2	Boa Vista, Rabil
CVBV1	Boa Vista, Sal Rei
CVBV4	Boa Vista, Sao Jorge
BRBZ	Brava
BRCV	Brava
BRBL	Brava
BCCH	Brava--Cachaco
CVBR2	Brava, Campo Baixo
CVBR1	Brava, Lem
SLES	Espargos
FGMV	Fogo
FGMB	Fogo
FGPP	Fogo
FGTT	Fogo
FGMA	Fogo
FGAF	Fogo
CVFG4	Fogo, Cova Figueira
CVFG3	Fogo, Fajazinha
CVFG2	Fogo, Galinheiro
CVFG5	Fogo, Monte Grande
FPPC	Fogo--Pe de Pico
CVFG1	Fogo, Sao Filipe
SVMA	Madeiral
I11CV	MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT
CVMA2	Malo, Barreiro
CVMA1	Malo, Calheta
CVMA4	Malo, Cascabulho
CVMA3	Malo Ribeira D. Joao
CVSL2	Sal, Murdeira
CVSL4	Sal, Palmeira
CVSL3	Sal, Pedra Lume
CVSL1	Sal, Santa Maria
STAG	Santiago
CVST5	Santiago, Achada Fazenda
CVST3	Santiago, Assomada
SACV	Santiago Island
CVST4	Santiago, Ribeira da Prata
CVST1	Santiago, Ribeirao Chiqueiro
CVST2	Santiago, Sao Jorge dos Orgaos
SAAJ	Santo Anto
SACO	Santo Anto
SATA	Santo Anto
CVSA3	Santo Antao, Boca de Curral
CVSA5	Santo Antao, Leiro
CVSA1	Santo Antao, Paul
CVSA2	Santo Antao, Ponta do Sol
CVSA4	Santo Antao, Ribeira da Cruz
SAAO	Santo Anto, SAMO
CVSA6	Santo Antao, Tarrafal de Monte Trigo
CVSN1	Sao Nicolau, Faja de Baixo
CVSN4	Sao Nicolau, Juncalinho
CVSN2	Sao Nicolau, Palhal
CVSN3	Sao Nicolau, Ribeira Brava
CVSV1	Sao Vicente, Baia das Gatas
CVSV4	Sao Vicente, Calhau
CVSV2	Sao Vicente, Lazareto
CVSV3	Sao Vicente, Sao Pedro

Central African Republic

BCAO	Bangui
BNG	Bangui
BGCA	Bogoin

Chad

ABC	Abeche

Democratic Republic of the Congo

PWET	AfricaArray - AF
LBB2	AfricaArray - AF, LBB
BIN	Binsa
BOBN	Bobandana
BULE	Bulengo
BTC	Butembo
DCC	Delcommune
ESCO	ESCO Site
GOM	Goma
GUB	Guba
IDJ	Idjwi
KALEH	Kalehe
KTL	Katale
KBTI	Kibati
KBBA	Kibumba
KTSH	Kitshanga
KNN	Kunene
KNN1	Kunene
LMA	Le Marinel
LBGA	Luboga
LBC	Lubudi
LBB	Lubumbashi
ELI	Lubumbashi
LWI	Lwiro
MLN	Mulungwishi
MUNI	Munigi
MUSK	Mushaki
NYAB	Nyabibwe
NYI	Nyiragongo Volcano Summit
RUM	Rumangabo
RGB	Rumangabo
RSY	Rusayo
SAKE	Sake
TGO	Tongo
UVI	Uvira
NYAM	Volcan Nyalulag

Djibouti

ABLV	Afar, BLV
ABOY	Afar, BOY
GBRA	Afar, GBR
AHAM	Afar, HAM
AKIR	Afar, KIR
MCAA	Afar, MCA
MCSA	Afar, MCS
AMOY	Afar, MOY
ART	Arta
AGD	Arta Grotte
ARO	Arta Observatory
ATD	Arta Tunnel
ATA	Atar
BLSD	Baie du Lac Sali
DAF	Dafare
DAY	Day
TKBA	Djibouti, TKB
FIK	Fieale Koma
GBR	Grand-Bara
HLD	Halaksitan
I19DJ	I19DJ
KSDD	Koussour
KSU	Koussour
LARD	Lac Aux requins
LDLD	Lac de Lave
LDL	LDL
MAOD	Malaho
MKL	Maskali
MCAD	Moucha
BEAD	Nord Galaele Koma
OBO	Obock
ODK	Oud Koma
SGH	Sud-Ghoubbet
TDJ	Tadjoura
TDD	Tadjoura Ara

Egypt

NADB	Abo Dabab
AAHD	Abu Hadid
HRDS	Abu Rudays
ASL	Abu Simbel
ABUS	Abu Simbel
AADN	Adndan
AYT	Al `Ayyat
FYM	Al Fayyum
HHRG	Al Ghardaqah
AKRG	Al Kharijah
MANS	Anshas
AANS	Anshas
HSAF	As Saff
ASW	Aswan
NBNS	Bani Suef
HBNS	Bani Suef
HBST	Basata
BRNS	Bernies
HSHL	Bi'r Shalatayn
HBRG	Burj al `Arab
DABA	Dabaa
DABAA	Dabaa2
HDK1	Dakhla
HDHB	Dhahab
AUT	El `Aiyat
DB3	El Dabaa
TAMRE	El Minia
HLWAN	ENDC
FYD	Fayid
RYAN	Fayoum
ZEIT	Gabal Elzet
ATOT	Gabel Atot
AGAL	Gebel Alisa
AGMR	Gebel Marawa
AGRW	Gebel Rewraw
GRB	Gharib
HHAG	Hagoal
HAGS	Hagol
HAMM	Hamman Mousa
HLW	Helwan
HEDF	Idfu
KHB	Jabal al Khashab
GTR	Jabal at Tayr
HKAT	Jabal Katrina
HMSM	Jabal Masmas
GLL	Jalalah
KASR	Kasr
HKFR	Khafra
AKRL	Khor El Raml
AKSR	Khor Sakr
KOT	Kottamia
NMAN	Kulet Umm Tiheiwat
AKUR	Kurkur
MABD	Mabed
AMAG	Maghara
AMAN	Manam
MMT	Marsa Matruh
MATC	Matruh
HMAT	Matruh
HMYD	Mayadein
MAZR	Mazracia
EMRS	Mersa Alam
NAHD	NAHD
HNKL	Nakhl
HNAT	Natroun
ANAL	New Alisa
NEDF	New Edfo
NNMR	New North Marawa
NQSR	New Quseer
NSKD	New Sinn el Kaddab
NGAL	NGAL
NGMR	NGMR
NGWR	NGWR
NNAL	NNAL
ANMR	North Marawa
NUB	Nuweibaa
NSFG	Safaga
SLUM	Salum
SQR	Saqqara
SH2	Sharm el Sheik
SHRM	Sharm el Sheik
ASKD	Sinn el Kaddab
SUZ	Suez
TR1	Tor 1
TR2	Tor 2
ASHG	Umm Shaghir
HDK2	Wahat Dakhilah
HFRF	Wahat Farafirah
APRS	Wahet Paris
AWAL	West Alisa
AWKL	West Kalabsha
ZAF	Zafarana
ZNM	Zenema
HADB	
HCAT	
HSFG	
RSH	
ASUT	
QEN	
AWBH	
SWA1	
SWA2	
HQSR	

Equatorial Guinea

Fernando Poo

MFP	Moca

Eritrea

ABSE	Abaselama
ASME	Asmera
ASSBE	Assab
NAB1	NAB1
NAB2	NAB2
NAB3	NAB3
NAB4	NAB4
NAB5	NAB5
NAB8	NAB8
SHBE	SHBE

Ethiopia
ABAE Abala
ADYE Abi Ad
ABMD Abulta/Almeha
ADTE Adait
AAE Adis Abeba
ALEE Ado Ale volcano
TRUE2 AFAR09-11, Teru, TRUE
KOZE AFAR0911 - ZR
LULE AFAR0911 - ZR
IGRE AFAR0911 - ZR
LAVE AFAR0911 - ZR
FURA Afar, FUR
AFME Afdera
AAUS AfricaArray - AF
ANKE2 AfricaArray - AF, ANKE
AKEE Akesta
ALME Alemaya
AFDE Aroley
ASYE Asayita
ASOS Asosa University, Asosa
AWSE Awash
AWEE Awra
AWRE AWRE
BARE Barantu
BTIE Bat
BEKO Bekoji
ABERE Bergile
HALE Berhale
BOBE Biye Kabobe
BOSE Boina - YZ
BOVE Boina - YZ
BOOE Boina - YZ
ACHIE Chifra
MGNE Clinic, Gonder/Metema
SILA Clinic, Silare
WADE Clinic, Wadera
SULE Dar Sule
YAYE Debre Tabor
DESE Dese
DICE Di Chot
DIGE Digdiga
DILA Dilla
GOREE District Admin Building, Gore
E1306 EAGLE 6TD - XM, 1306
LYDE Elidar
ELLE Elwoh
ERTE Erta Ale
ADUE Ethiopia-Afar Geoscientific Lithospheric Experiment
AREEX Ethiopia-Afar Geoscientific Lithospheric Experiment
ANKE Ethiopia-Afar Geoscientific Lithospheric Experiment
AMME Ethiopia-Afar Geoscientific Lithospheric Experiment
ADEE Ethiopia-Afar Geoscientific Lithospheric Experiment
WOLE Ethiopia-Afar Geoscientific Lithospheric Experiment
NURE Ethiopia-Afar Geoscientific Lithospheric Experiment
SHEE Ethiopia-Afar Geoscientific Lithospheric Experiment
SENE Ethiopia-Afar Geoscientific Lithospheric Experiment
MIEE Ethiopia-Afar Geoscientific Lithospheric Experiment
MELE Ethiopia-Afar Geoscientific Lithospheric Experiment
MEKE Ethiopia-Afar Geoscientific Lithospheric Experiment
MECE Ethiopia-Afar Geoscientific Lithospheric Experiment
LEME Ethiopia-Afar Geoscientific Lithospheric Experiment
KOTE Ethiopia-Afar Geoscientific Lithospheric Experiment
INEE Ethiopia-Afar Geoscientific Lithospheric Experiment
GTFE Ethiopia-Afar Geoscientific Lithospheric Experiment
DZEE Ethiopia-Afar Geoscientific Lithospheric Experiment
DONE Ethiopia-Afar Geoscientific Lithospheric Experiment
DIKE Ethiopia-Afar Geoscientific Lithospheric Experiment
CHAE Ethiopia-Afar Geoscientific Lithospheric Experiment
BORE Ethiopia-Afar Geoscientific Lithospheric Experiment
BEDE Ethiopia-Afar Geoscientific Lithospheric Experiment
AWAE Ethiopia-Afar Geoscientific Lithospheric Experiment
ASEE Ethiopia-Afar Geoscientific Lithospheric Experiment
E1001 Ethiopia-Afar Geoscientific Lithospheric Experiment E1001
E1004 Ethiopia-Afar Geoscientific Lithospheric Experiment E1004
E1008 Ethiopia-Afar Geoscientific Lithospheric Experiment E1008
E1011 Ethiopia-Afar Geoscientific Lithospheric Experiment E1011
E1012 Ethiopia-Afar Geoscientific Lithospheric Experiment E1012
E1014 Ethiopia-Afar Geoscientific Lithospheric Experiment E1014
E1016 Ethiopia-Afar Geoscientific Lithospheric Experiment E1016
E1017 Ethiopia-Afar Geoscientific Lithospheric Experiment E1017
E1018 Ethiopia-Afar Geoscientific Lithospheric Experiment E1018
E1019 Ethiopia-Afar Geoscientific Lithospheric Experiment E1019
E1020 Ethiopia-Afar Geoscientific Lithospheric Experiment E1020
E1021 Ethiopia-Afar Geoscientific Lithospheric Experiment E1021
E1022 Ethiopia-Afar Geoscientific Lithospheric Experiment E1022
E1023 Ethiopia-Afar Geoscientific Lithospheric Experiment E1023
E1024 Ethiopia-Afar Geoscientific Lithospheric Experiment E1024
E1026 Ethiopia-Afar Geoscientific Lithospheric Experiment E1026
E1027 Ethiopia-Afar Geoscientific Lithospheric Experiment E1027
E1028 Ethiopia-Afar Geoscientific Lithospheric Experiment E1028
E1030 Ethiopia-Afar Geoscientific Lithospheric Experiment E1030
E1037 Ethiopia-Afar Geoscientific Lithospheric Experiment E1037
E1042 Ethiopia-Afar Geoscientific Lithospheric Experiment E1042
E1046 Ethiopia-Afar Geoscientific Lithospheric Experiment E1046
E1054 Ethiopia-Afar Geoscientific Lithospheric Experiment E1054
E1058 Ethiopia-Afar Geoscientific Lithospheric Experiment E1058
E1062 Ethiopia-Afar Geoscientific Lithospheric Experiment E1062
E1069 Ethiopia-Afar Geoscientific Lithospheric Experiment E1069
E1077 Ethiopia-Afar Geoscientific Lithospheric Experiment E1077
E1078 Ethiopia-Afar Geoscientific Lithospheric Experiment E1078
E1079 Ethiopia-Afar Geoscientific Lithospheric Experiment E1079
E1081 Ethiopia-Afar Geoscientific Lithospheric Experiment E1081
E1085 Ethiopia-Afar Geoscientific Lithospheric Experiment E1085
E1089 Ethiopia-Afar Geoscientific Lithospheric Experiment E1089
E1094 Ethiopia-Afar Geoscientific Lithospheric Experiment E1094
E1097 Ethiopia-Afar Geoscientific Lithospheric Experiment E1097
E1101 Ethiopia-Afar Geoscientific Lithospheric Experiment E1101
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Geoscientific
Lithospheric
Experiment, Gewan
ARBA Ethiopian Broadband
Seismic Experiment
KARAX Ethiopian Broadband
Seismic Experiment
GOBAX Ethiopian Broadband
Seismic Experiment
DIYAX Ethiopian Broadband
Seismic Experiment
BELAX Ethiopian Broadband
Seismic Experiment
WELK Ethiopian Broadband
Seismic Experiment
WASH Ethiopian Broadband
Seismic Experiment
WANE Ethiopian Broadband
Seismic Experiment
TERC Ethiopian Broadband
Seismic Experiment
TEND Ethiopian Broadband
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NAZA Ethiopian Broadband
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JIMA Ethiopian Broadband
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HOSA Ethiopian Broadband
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HIRN Ethiopian Broadband
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HERO Ethiopian Broadband
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GUDE Ethiopian Broadband
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FICH Ethiopian Broadband
Seismic Experiment
DMRK Ethiopian Broadband
Seismic Experiment
DELE Ethiopian Broadband
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CHEF Ethiopian Broadband
Seismic Experiment
BUTA Ethiopian Broadband
Seismic Experiment
NEKE Ethiopian Broadband
Seismic Experiment
BIRH Ethiopian Broadband
Seismic Experiment
BDAR Ethiopian Broadband
Seismic Experiment
BAHI Ethiopian Broadband
Seismic Experiment
AWND Ethiopia, WND
AFINE Finto
FURI Furi
GASE Gashen
GRD1 Great Renaissance Dam
HYNE Hara
HARA HARA
AHARE Harses
DLMN Health center, Dolo Mena
GIDAE Health Center, Gidami
BAHR High School, Bahir Dar
DAQU High School, Debark
HDBU High School, Hidabu Tobi
MEND High School, Mendi
GINR Hospital, Ginir
NGLE Hospital, Negele
JAWI Jawi
KORE Kare Kore
KOBE Kobo Des
QATE Kobo Hara
LALE Lalibel
MAYE Mayche
SHAW Medical Clinic, Shawira
MEGE Megenta

Code	*Station Name*	*Other*
MISE	Meis	
SEREE	Military Camp, Saraba	
MILE	Mille	
MUKA	Police Camp, Mukachet	
GUBA	Police Station, Guba	
GUBL	Police Station, Gubleck	
SHERE	Police Station, Sherkole	
RODE	Road Camp	
SEHE	Saha	
CASAE	School, Casa de Jesus	
CHGE	School, Chagni	
TABO	School, Debre Tabor	
DEBR	School, Debre Zeif	
MELAE	School, Dubaba	
HARO	School, Haroo	
KIRE	School, Kiremu	
MDBA	School, Shinfa	
CHRH	School, W of Chirchemesc	
MERTO	Secondary School, Merto Lemorgan	
SEKE	Sekot	
SMRE	Semr	
SRDE	Serd	
ASILE	Silsa - SILE	
DAME	Tendaho Dam	
TERE	TERE	
TRUE	Teru	
GOND	University, Gondar	
WLDE	Waldi	
WNDE	Wendo Genet	
WLRA	Wolmera	
WUCE	Wuchale	
Gabon		
MSKU	Masuku	
Ghana		
ACRG	Accra	
ASHAI	AfricaArray - AF, SHAI	
AKGH	Akosombo	
AKOS	Akosombo Dam	
SHAI	Games and Wildlife Shai Hills	
HOGH	Ho	
KLEF	Klefe (Ho)	
KOGH	Koforidua	
KUK	Kukurantumi	
KUKU	Kukurantumi	
LEGH	Legon	
LGG	Legon	
MRON	Mrontuo Lake Bosomtwe	
SPG	Saltpond	
SHGH	Shai Hills	
TEGH	Tema	
WEGH	Weija	
WEIJ	Weija Dam	
WIGH	Winneba	
Guinea		
KING	Kindia	
LABG	Labe	
MAMG	Mamou	
Italy		
ALT11	ALTAVILLA IRPINA	
Ivory Coast		
DBIC	Dimbokro	
I17CI	DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	
LKO	Korhogo	
KIC	Kosan Boka	
LIC	Lamto	
TIC	Toumodi	
DIC		
Kenya		
ASUM	Asumbi	
KEN1	Kenya Marble PS	
KIBK	Kibwezi	
KMBO	Kilima Mbogo	
LODK	Lodwar	
LL21	Loliondo SS	
MAGK	Magadi	
KEN2	Magadi Soda Vault	
LL22	Malambo SS	
MERK	Meru	
MILK	Milimani	
NBI	Nairobi	
NAKO	Nairobi	NAI
NAI	Nairobi	
I32KE	NAIROBI INFRASONIC ARRAY REFERENCE POINT	
KEN4	Ngurumani	
NYRK	Nyeri	
OLK	Olkaria	
OLWK	Olkaria West	
KEN3	Shompole Clinic	
Libya		
LJBD	Adjabya	
ALAS	Alassa	
MARJ	Al Marj	
GHAR	Gharyan	
LGHD	Ghdames	
LJFR	Jufra	
LKFR	Kufra	
LMSR	Misrath	
LUMB	Murzuk	
LSHF	Shwairf	
LSRT	Sirt	
LTBQ	Tobruq	
LTRP	Tripoli	
LUJL	Ujela	
LZLA	Zalla	
Madagascar		
DGRM	Ambatolahisoa	
OBY	Ambatonomby	
ATG	Ambohiby	
OPO	Ambohidratompo	
ABM	Ambohimiarambe	
ABPO	Ambohimpanom	
AVY	Angavokely	
I33MG	ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT	
FRR	Firariana	
FIRM	Firavahana	
MDSM	Mandiavato	
FOMA	Nahampoana Res	
SKRH	Sakahara	
SBV	Sambava	
TAN	Tananarive	
VTY	Vatovaky	
VDA	Vodivohitra	
VOI	Vohitsoka	
Malawi		
MZM3	AfricaArray - AF, MZM	
BANG1	Bangula	
BOLE	Bolero	
CHEL	Chelinda	
CLK	Chileka	
CPMW	Chitipa	
ENUK	Enukweni	
KALO	Kalowe	
KAPK	Kapoka	
KAPOR	Kaporo	
KARM1	KARONGA	
LM103	Lake Malawi, 103B	
LM107	Lake Malawi, 107	
LM108	Lake Malawi, 108	
LM109	Lake Malawi, 109	
LM110	Lake Malawi, 110B	
LM111	Lake Malawi, 111	
LM112	Lake Malawi, 112	
LM113	Lake Malawi, 113	
LM114	Lake Malawi, 114	
LM115	Lake Malawi, 115	
LM116	Lake Malawi, 116	
LM117	Lake Malawi, 117	
LM118	Lake Malawi, 118B	
LM119	Lake Malawi, 119	
LM120	Lake Malawi, 120	
LM121	Lake Malawi, 121	
LM203	Lake Malawi, 203B	
LM206	Lake Malawi, 206B	
LM301	Lake Malawi, 301	
LM302	Lake Malawi, 302B	
LM303	Lake Malawi, 303	
LILM	Lilongwe	
LIVA	Livingstonia	
MALM	Malindi	
SCHM	Mlare	
MLOW	Mlowe	
MZM2	Mzuzu	
MZM	Mzuzu	
NENM1	Neno	
NGON	Ngonga	
NTHA	Nthalire	
SINGM	SINGM	
THAN	Thanula	
THAZ	Thazima	
VWZMW	Thunduwike	
WENY	Wenya	
ZOMB	Zomba	
Mali		
KOWA2	GSN - IU, KOWA	
KOWA	Kowa	
Morocco		
AFS	Agadir Fac de Sc.	
AOF	Agadir Oufela	
AIT	Ait Ouarda	
AKLM	AKL	
ANTZ	Aouinet Torkoz	
ALZ	Aoulouz	
ARF	Arif	
AVE	Averroes	
BAM	Barrage Abdel Moumen	
BMK	Barrage El Makhazine	
BBT	Barrage Ibn Batouta	
BME	Barrage Mansour Eddahbi	
BMB	Barrage Mohamed Ben Abdellah	
BMKM	Barrage Mohammed V	
BMD	Beni Messoud	
BIT	B. Ibn Batouta	BBT
BOJ	Boujaaouane	
BBA	Boulbra	
CGR	Cap Guir	
CPS	Cap Spartel	
CHEFC	Chefchaouen	
CIA	Chichaoua	
CZD	Col de Zad	
M018	Ctre Commune Adrej	
M006	Ctre Commune Tamorot	
MDAL	Dalia	
DKH	Dar Kharkhour	
DKD	Dar Kodiat	
M015	Debdou	
M013	Dehoura	
M004	Dlalha	
M012	Douar Al Jazira	
M014	Douar Assehloun	
EAH	EAH	
M016	El Aouinet	
KIB	El Ksiba	
ERR	Err	
ZFT	Errachidia	
FIGM	Figuig	
FOE	Fourare	
GOLM	Goulmima	
HALM	Halim	
HAD	Hassan Addkhil	
IDR	Idriss Premier	
IFR	Ifrane	
IMK	Imi Mikki	
CHAS	Isla Isabel II, Islas Chafarinas	
JBB	Jbel Babet	
JHA	Jbel Lahdid	
JOK	Jbel Ouklim	
JBK	JBK	
KHF	Khenifra	
KRAM	Krabesse	
KES	Ksar Es Souk	HAD
M019	Kzer Tazemourite	
M005	Laghdir	
LRO	Larroussi	
LCRM	LCR	
MD31	MD31	
M008	Mechra Hommadi	
EMLI	Melilla	
MDT	Midelt	
MD01	Midelt array site 01	
MIF	Mishlifen	
GOG	Mont Gurugu	
NKM	Nakhla	
OKL	Od Khalfella	
OUJ	Oujda	
OUK	Oukaimeden	
OUZM	OUZ	
MPAL	Palemas	
PALE	Palemas	
RBA	Rabat	
RTC	Rabat Centre	
RBZ	Rabat Zaers	
RSA	Sarsar	
SICH	Sidi Chahed	
SFNM	Sidi Ifni	
M017	Sidi Mnan	
SRHM	Skhour des Rehamma	
SOIM	Smimou	
SMRM	Smir	
SMIR	Smir Dam	
TAF	Taforalt	
TFLT	Tafoughalt	
TGT	Taghat	
TANT	Tantan	
TZK	Tazeka	
TZC	Tazercounte	
TZRR	Tazzarine	
TDRA	Tendrara	
TISM	Timmit	
MTNG	Tinghir	
TIO	Tiouine	
TIS	Tissa	
M007	Tizi Ouasli	
TTIG	Tnine Tigouga, Taroudante	
TSY	Tnine Yamani	
MTOR	TORKOZ	
M010	Touazithe	
TNF	Tounfite	
TFT	Tounfite	
TOU	Touzarine	
YBT	Youssef Ben Tachfine	
ZGR	Zagora	
ZAI	Zaio	
ZER	Zerhoun	
ZHG	ZHG	
BMK*		BMKM
Mozambique		
M0781	Caia, A0781	
B0297	Cambeca, A0297	
M0786	Catandica, A0786	
M0770	Cavilane, A0770	
M0805	Chai village, A0805	
CNG	Changalane	
CBTN	Chibotane	
M3A19	Chidenguele, A3A19	
CHGM	Chingoma	
M0818	Chokwe, A0818	
M3G86	Duma, A3G86	
M4658	Funhalouro, A4658	
M0297	Inchope, A0297	
LICM	Lichinga	
LICH	Lichinga	
M3G66	Mabote, A3G66	
MSGR	Macavene	
M3433	Machasi, A3433	
M0302	Macossa, A0302	
M3522	Mafambisse, A3522	
MANI	Manica	
MAPH	Mapinhane	
MAPI	Mapinhane	
LMM	Maputo	
M3G93	Massangena, A3G93	
M3878	Maxixe, 3878	
M1025	Muanza, A1025	
NPA	Nampula	
M3869	Nhangau, A3869	
M0295	Nova Mambone, A0295	
M0282	Quebese, A0282	
M1032	Serra Gorong, A1032	
M0789	Sofala, A0789	
SONG	Songo	
M1030	Susundenga, A1030	
TETE	Tete	
TET	Tete	
M3870	Villa Arriage, A3870	
Namibia		
AIAI	Ai-Ais	
OMUT	Andoni	
ARON	Aranos	
AROB	Aroab	
AUSN	Aus	
WP22	e3183	
WP04	e3369	
WP05	e3371	
WP08	e3372	
WP21	e3376	
WP02	e3380	
WP01	e3381	
WP06	e3382	
WP20	e3385	
GAMM	Gam	
GOBN	Gobabis	
HELM	Helmeringhausen	
HOCHN	Hochfeld	
KJAB	KAMANJAB	
KANON	KANO	
KARI	Karibib	
KATM	Katima Mulilo	
NEPA	Kaukuwa	
MALTN	Maltahohe	
MARIN	Mariental	
HAON	Okahao	
OKAM	Okamatapati	
OPU	Opuwo	
OTJO	Outjo	
RUDU	RUNDU	
KETSN	Seeheim	
SOLI	Solitaire	
ST1N	ST1	
ST10N	ST10	
ST11N	ST11	
ST2N	ST2	
ST3N	ST3	
ST4N	ST4	
ST5N	ST5	
ST6N	ST6	
ST8N	ST8	
ST9N	ST9	
TSUM	Tsumeb	
I35NA	TSUMEB INFRASONIC ARRAY REFERENCE POINT	
ARMS	Ukamas	
WAND	WAND	
WEWE	WEWE	
WIN	Windhoek	
Natal		
KSTD	Kokstad	
Niger		
TORD	Torodi Ar. Beam	
TOA3	Torodi Ar. Site	
TOC3	Torodi Ar. Site	
TOC2	Torodi Ar. Site	
TOA0	Torodi Ar. Site	
TOA1	Torodi Ar. Site	
TOA2	Torodi Ar. Site	
TOC1	Torodi Ar. Site	
TOB5	Torodi Ar. Site	
TOB4	Torodi Ar. Site	
TOB3	Torodi Ar. Site	
TOB2	Torodi Ar. Site	
TOB1	Torodi Ar. Site	
TOC7	Torodi Ar. Site	
TOC6	Torodi Ar. Site	
TOC5	Torodi Ar. Site	
TOC4	Torodi Ar. Site	
Nigeria		
ABAKI	Abakiliki	
AKAD	AfricaArray - AF, KAD	
ANSU	AfricaArray - AF, NSU	
AWKA	Awka	
ILEFE	Ile-Efe	
NGSA3	Ilorin	
NGSA2	Keffi	
MINNA	Minna	
NTORO	Toro	
NGSA1	Utako	
Rwanda		
BUTK	Butaka	
AST	Butare	BTR
BTR	Butare	
HUYE	HUYE	
KIG	Kigali	
MUSZ	Musanze	
RUSZ	RUSIZI	
SAHA	Sahara	
Senegal		
BBTS	Babate	
BKL	Bakel	
DAK	Dakar	
KDS	Kedougou	
KED	Kedougou	
KED*	Kedougou	KDS
KDG	Kedougou	KED
MMS	Matam	
MBO	M'Bour	
SOK	Sop, Niakhar	
Somalia		
MOG	Mogadiscio	
South africa		
DUYN5	Duynefontein SA30, Cape Town	
South Africa		
Botswana		
SA67		
SA71		
SA70		
SA68		
SA66		
SA65		
SA64		
SA63		
SA62		
SA61		
SA60		
SA59		
Cape Province		
AUGR	Augrabies	
BEW	Beaufort West	
BLE	Bellville	
BUFB	Buffelsbos	
CVN	Calvinia	
CVNA	Calvinia	
CGH	Cape Good Hope	
CTO	Cape Town	
CASA	Carruther's Hill	
CER	Ceres	
ELIM	Elim	
GRH	Grahamstown	
GRM	Grahamstown	
HER	Hermanus	
KEIM	Keimoes	
KSD	Kokstad	
KOMG	Komaggas	
KROM	Kromhout	
LTT	Louis Trichardt	
MDL	Mandileni	
PSR	Paul Sauer Dam	
POF	Pofadder	
PKA	Prieska	
ROSN	Rosenhof	
SOE	Somerset East	
SBO	Springbok	
SUR	Sutherland	
TUH	Tulbagh	
UMT	Umtata	
UPI	Upington	
Natal		
JOZ	Jozini	
NWL	Newcastle	
PTM	Pietermaritzburg	
PIE	Pietermaritzburg	
POG	Pongola	
Orange Free State		
BLF	Bloemfontein	
I47ZA	BOSHOF INFRASONIC ARRAY REFERENCE POINT	
FRS	Fauresmith	
KIM	Kimberley	

Code	Station Name	Other
PKR	Le Roux Dam	
PRY	Parys	
PRYS	Parys	
SEK	Senekal	
VIR	Virginia	
WKM	Welkom	
GRM2	AfricaArray - AF, GRM	
SWZ2	AfricaArray - AF, SWZ	
ALBD	Alberton, Johannesburg	
ALWL	Aliwali North,Eastern Cape	
ALKP	Alkanpan, Northen Cape, South Africa	
BFON	Badsfontein, Murraysburg, Western Cape	
BEAST	Barkley East,Eastern Cape	
BNON	Benoni	
BOSA	Boshof	
BRAK	Brakfontein	
BFKLF	Buffelskloof,Oudtshoorn	
GRAF	Camdeboo National Park, Graaff-Reinet, Eastern Cape	
CRVN	Carnarvon,Northern Cape	
CRLN	Carolina, Mapumalanga, South Africa	
CLANW	CLANWILLIAM TOWN	
DULL	Dullstroom, Mpumalanga	
DUYN2	Duynefontein DA30, Cape Town	
DUYN3	Duynefontein DA90, Cape Town	
DUYN6	Duynefontein SA90, Cape Town	
DUYN1	Duynefontein Surface, Cape Town	
DUYN4	Duynefontein Surface SA, Cape Town	
ELDON	East London,Eastern Cape	
FORTB	Fort Beaufort,Amathole	
FRAZ	Fraserburg	
HVD	Gariep Dam	
GRHM	Grahamstown, Eastern Cape	
GRAN	Grantham	
HMSA	Hans M'sky res	
HRAO	HartRAO	
HOED	Hoedspruit, Limpopo	
KEIT	Keiteng, Limpopo	
KLOF	Kloof	
LEPH	Lephalale, Limpopo Province, South Africa	
LESE	Lesego, Limpopo	
LOERI	eriesfontein,Northern n Cape Province	
M3901	Malelane, 3901	
MRCO	Marico , Northwest	
MTLB	Matlabas, Limpopo	
MSNA	Messina	
MBURG	Middelburg,Eastern Cape	
MLTN	Molteno,Eastern Cape	
MUSN	Musina, Limpopo	
NMMU	Nelson Mandela Metropolitan University	
NWCL	Newcastle	
NHAM	Northam, Northwest	
NYAT	Nyati, Northwest	
NYLS	Nylsvlei,Limpopo Province	
OBSV	Observatory	
OKP	Okiep	
M3A16	Orpen Rest Camp, 3A16	
PEARS	PEARSTON	
PHW	Phalaborwa	
PHILP	Philips Town, Northern Cape	
PMBG	termaritzburg,KwaZulu lu Natal	
PILG	Pilgrimsrest, Mapumalanga, South Africa	
POGA	Pongola	
PRTV	Porterville,Western Cape	
RDWR	Rand Water	
DRD	Roodepoort, Johannesburg	
ROOI	Rooidraai Farm, Aberdeen, Eastern Cape	
RUST	Rust De Winter,Limpopo Province	
SCHUN	Schuinsdraai Nature Reserve,Limpopo Province	
SNKL	Senekal, Freestate Province	
MPHEP	Siloam, Limpopo	
M3527	Staff village, 3527	
CRAIL	Swartwater, Limpopo	
TLEK	Tau Lekoa	
TEMBE	Tembe Elephant Park,KwaZulu Natal	
TSOMO	Tsomo village,Eastern Cape	
TSWA	Tswaing Meteorite Crater Museum,Gauteng Province	
TZAN	Tzaneen,Limpopo Province	
UNJO	University of Johannesburg	
SHUDU	Vaalwater,Limpopo Province	
WTBG	Waterberg Wilderness,Limpopo Province	
WDLM	Western Deep Levels Mine	
WLTON	Williston, Northern Cape	
SA15		
SA82		
SA81		
SA69		
SA58		
SA57		
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SA54		
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SA169		
SA16		
SA155		
SA14		
SA139		
SA13		
SA12		
SA11		
SA10		
SA09		
SA08		
SA07		
SA05		
SA04		
SA03		
SA02		
SA01		
BB32		
Transvaal		
BFT	Belfast (SA)	
BFSD	Buffelsfontein	
BFS	Buffelsfontein	
CGY	Coligny	
CRWM	Crown Mines	
ERPM	east rand property ines	
ERS	Ellisras	
EVA	Evander	
BPI	Johannesberg	
JOH	Johannesburg	
KSR	Koster	
LEP	Lephalale	
MOAB	Moab Khotsong	
MOPA	Mopani	
PRE	Pretoria	
SWZ	Schweizer	
SLR	Silverton	
TAUL	Tau Lekoa	
Zimbabwe		
SA75		
SA74		
SA73		
SA78		
SA76		
SA77		
SA79		
SA80		
Spain		
ETRV	Los Montesinos	
ALHU	Pen de Alhucemas	
PVLZ	Pen de Vlez de la Gomera	
Sudan		
MRWI	Hamdab	
HLFA	HLFA	
JAWL	J.Aulia	
KSLA	Kassala	
MRKH	Merkhyat	
MQOL	MQOL	
HMAD	Nubian desert	
NYA	Nyala	
SNAR	Sennar	
SLAT	Slait	
Swaziland		
HAGI	HAGI	
MAGG	Maguga Dam	
MMAL	MMAL	
SWD	Swaziland	
SWL	Swaziland	
Tanzania		
Kenya		
KIBOT		
MTVE	AfricaArray - AF	
DODT2	AfricaArray - AF, DODT	
SULU	AfricaArray/PSU - ZP	
KIBO	AfricaArray/PSU - ZP	
MANG	AfricaArray SE Tanzania Basin Experiment - YH	
CHAL	AfricaArray SE Tanzania Basin Experiment - YH	
MOHO	AfricaArray SE Tanzania Basin Experiment - YH	
MTWA	AfricaArray SE Tanzania Basin Experiment - YH	
KIMA	AfricaArray SE Tanzania Basin Experiment - YH	
WALE	AfricaArray SE Tanzania Basin Experiment - YH	
AINDI	AfricaArraySE Tanzania Basin Experiment - YH, INDI	
IFAK	Africa Array SE Tanzania Basin Experiment, ZH	
ACHIM	AfricaArray - ZP, CHIM	
AMAKA	AfricaArray - ZP, MAKA	
MAUS2	AfricaArray - ZP, MAUS	
AMIKU	AfricaArray - ZP, MIKU	
AMKRE	AfricaArray - ZP, MKRE	
PR52	Alailelai Boma	
LL65	Arash bomas	
CHML	Chimala	
CHUN	Chunya	
LN26	Engaresero PS	
PR31	Engaruka Boma	
PR33	Engutoto Boma	
GETA	Geita	
BUMI	Ibumi	
GAWA	Igawa	
IGOM	Igoma	
KIMO	Ikongo	
ILIND	Ilindi	
PR32	Iloiriento PS	
ILOM	Ilombo	
MW44	Karatu Welwel PS	
KIDE	Kidegembe	
KIFA	Kifanya	
PR61	Kiloki Boma	
KIPE	Kipengere	
LN16	Kitarini PS	
PR11	Kitumbeine SS	
MZUN	Kiwira	
ISOK	Kyela	
LN25	Lake Natron SS	
LN15	Lekule Girls SS	
NG55	Lemala Gate	
LIGA	Liganga	
JILO	Lwanjilo	
LN34	Lwondulwo boma	
UNDA	Madunda	
LN35	Magadini PS	
BAKO	Makambako	
MAKE	Makete	
LOSI	Makongolosi	
MANDA	Manda	
CRTR	Masoko	
LL24	Masusu PS	
MATAM	Matamba	
LN14	Matela PS	
MBHS	Matema	
TIRI	Matiri	
TOLA	Matola	
MBAM	Mbamba Bay	
BANG	Mbangamawe	
MBEY	Mbeya	
PR63	Meshili Boma	
MFRI	Mfriga	
ZINI	Mgazini	
MKIL	Mkili	
MUDIN	Mudindi	
KURU	Muhukuru	
NG54	Nasera Bomas	
PR53	Nayobi Boma	
LN46	New Vision PS	
NG56	Ngoile bomas	
NIND	Nindi	
UWEM	Njombe	
NKAL	Nkalisi	
LN45	Noondotu PS	
OLDO	Ol Doinyo Lengai	
MW36	Oldoinyo Lengai SS	
PR62	Oldupai Boma	
MW41	Ole Sokoine	
LL66	Piyaya bomas	
LL23	Sali PS	
NGEA	Songea	
ITUM	Tunduma	
UKWA	Ukwama	
RUNG		
KOMO		
MTAN		
GOMAT		
PUGE		
SNGT		
BASOT		
TARAT		
MITU		
KIBE		
HALET		
MTORT		
URAM		
MBWE		
Togo		
OAUI	Ile-Ife	
LOM	Lome	
Tunisia		
BLIT	Baltah	
BKLT	Bekalta	
BERT	Berda	
AYNT	El Ayoun	
GAF	Gafsa	
GFA	Gafsa	
GHAT	Ghardimaou	
HANT	Hania	
BTHT	Jabal bu Thady	
KCHT	Kechabta	
KEST	Kesra	
I48TN	KESRA INFRASONIC ARRAY REFERENCE POINT	
KRIT	Krib	
MART	Mareth	
MEDT	Meda	
MBZ	Menzel Bouzelfa	
OAR	Oum El Arais	
SBS	Sidi-Bou-Said	
SGNT	Sidi Gnaou	
SMKT	Sidi Makhlouf	
SYA	Sidi Yaiche	
TAMR	Tamra	
TATN	Tataouine	
THTN	Thala	
THA	Thala	
TROT	Trozza	
TUN	Tunis	
ZGN	Zaghouan	
Uganda		
ATEBE	AfricaArray - AF, TEBE	
SAKA	AfricaArray/PSU - ZP	
KATE	AfricaArray/PSU - ZP	
BUTI	AfricaArray/PSU - ZP	
FOPO	AfricaArray/PSU - ZP	
PIGI	AfricaArray/PSU - ZP	
MALE	AfricaArray/PSU - ZP	
KBLE	AfricaArray/PSU - ZP	
ROTI	AfricaArray/PSU - ZP	
JNJA	AfricaArray/PSU - ZP	
ABEND	AfricaArray - ZP, BEND	
ENT	Entebbe	
TEBE	Entebbe	
HOI	Hoima	
KASE	Kaseeta	
KIL	Kilembe	
MBAR	Mbarara	
NAKD	Nakauka	
United Republic of Tanzania		
Tanzania		
AICH	Aicho	
ARTT	Arusha	
ARSH	Arusha	
BBAT	Babati	
BASH	Bashay	
BIHA	Biharamulo	
MKRE	Bukene	
BKBA	Bukoba	
DOD	Dodoma	
DODM	Dodoma	
DODT	Dodoma, Tanzania	
DONB	Dongobesh	
ENDA	Endulen Rd	
GEIT	Geita	
GIDA	Gidamilanda	
IRIN	Iringa	
ITKT	Itaka	
ITBT	Itumba	
HAMA	Kahama	
OSIN	Kakessio	
KRTU	Karatu	
KETU	Ketumbeine	
KIBA	Kibaya	
KGMA	Kigoma	
KIOM	Kiomboi	
KOND	Kondoa	
KYLA	Kyela	
LAEL	Laela	
MALJ	Lake Magadi	
MAUS	Longido	
MAFI	Mafinga	
MGRA	Magara	
MAJI	Maji Moto Rd	
MAKM	Makambako	
LOSS	Makongolosi	
KWSI	Makuyuni	
MAKS	Makuyuni S	
MAN2	Manyara 2	
COFF	Manyatta Coffee Estate	
MANYT	Manyoni	
MKAO	Maswa Reserve	
MBAT	Mbeya	
MBUL	Mbulu	
MGOR	Morogoro	
MOSH	Moshi	
PNDA	Mpanda	
LGDO	Mt Longido	
MLBA	Muleba	
MIKU	Namanyere	
NJOM	Njombe	
PDHT	Panda Hill	
QARU	Seremai	
MWSR	Sibiti River	
SINGT	Singida	
SONE	Songea	
SUMB	Sumbawanga	
SIMG	Tanzanite One Mining	
TREE	Tree Lodge	
TUND	Tunduma	
TDMT	Tunduma	
UVZA	Uvinza	
WINO	Wino	
Zambia		
GABZ	Array-Uganda/Tanzania zania - ZP	
MPIK	Array-Uganda/Tanzania zania - ZP	
MKUS	Array-Uganda/Tanzania zania - ZP	
MWEN	Array-Uganda/Tanzania zania - ZP	
SHWG	Array-Uganda/Tanzania zania - ZP	
SERJ	Array-Uganda/Tanzania zania - ZP	
LWNG	Array-Uganda/Tanzania zania - ZP	
MUFZ	Array-Uganda/Tanzania zania - ZP	
KISH	Array-Uganda/Tanzania zania - ZP	
KISZ	Array-Uganda/Tanzania zania - ZP	
KASM	Array-Uganda/Tanzania zania - ZP	
ACHAM	Array-Uganda/Tanzania zania - ZP, CHAM	
AKAMZ	Array-Uganda/Tanzania zania - ZP, KAMZ	
AMANS	Array-Uganda/Tanzania zania - ZP, MANS	
BHA	Broken Hill	
CHMZ	Choma	
IKZ	Isoka	
ITZ	Itezhi-Tezhi	
KSMZ	Kasama	
KMZ	Kasempa	
KTWE	Kitwe	
LSZ	Lusaka	
LUS	Lusaka	
MZZ	Mansa	
MONG	Mongu	
PTZ	Petauke	
Zimbabwe		

Code	Station Name	Other
HARE2	AfricaArray - AF, HARE	
BLWY	Bulawayo	
BUL	Bulawayo	
CHIPN	CHIPINGE	
CIR	Chiredzi	
HARE	Harare	
HWZ	Hwange	
KRB	Kariba Dam	
KRI	Karoi	
KRR	Karoi	
MATP	Matopo	
MTD	Mount Darwin	
MUZ	Mutare	

ANTARCTICA

Antarctica		
I03AU	Davis Base, Antarctica	
ELIB	Princess Elisabeth base, Queen Maud Land, Antarctica	
SPA	South Pole	
QSPA	South Pole Quiet Zone Earth Science Observatory	
Antarctic Peninsula		
AIA	Argentine Island	
ESPZ	Base Esperanza	
GGV	Gabriel Gonzalez Videla	
LIVV	Livingston, Bulgarian Antarctic Base	
ANC	Marguerite Bay	
OHC	O'Higgins	
PMSA	Palmer Station	
SMAI	San Martin Antarctic Base	
Coats Land		
BELA	Belgrano 2	
HBA	Halley Bay	
Dronning Maud Land		
ABOA	Aboa	
I27DE	GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	
MAIT	Maitri	
VNA	Neumayer	
VNA3	Neumayer Olymp	
VNA1	Neumayer--Station	
VNA2	Neumayer--Watzmann	
NVL	N'lazarevskaya	
SNA	Sanae	
SNAA	Sanae	
SYO	Syowa Base	
TROLL	Troll, Antartica	
East Antarctica		
CCD	Concordia, Antarctica	
Ecuador		
AMCA	GAD MUNICIPAL DE MACARA	
AZPT	GAD MUNICIPAL DE ZAPOTILLO	
Enderby Land		
CASY	Casey	
King Edward VII Land		
LAA	Little America	
RMA	Rockefeller Mts	
Mac Robertson Land		
MAW	Mawson	
Marie Byrd Land		
BYR	Byrd	
BSA	Byrd (S.R.I.)	BY1
BY1	Byrd--Stanford Research Institute	
BYA	Byrd--Stanford Research Institute	
BY3	Byrd--Stanford Research Institute	
BY2	Byrd--Stanford Research Institute	
Queen Mary Land		
MIR	Mirnyy	
OBA	Oasis-Bungera	
South Orkney Islands		
ORCD	Orcadas	
SGY	Signy Island	
South Shetland Islands		
AAS	Arctowski Station	
BCAA	Base Cientifica Antartica Artigas	
DEC	Deception Island	
JUBA	Jubany	
PED	Pedro Cerda	
SEJ	Sejong Station	
Terre Adelie		
DRV	Dumont d'Urville	
CORRE	Terra Adelie	
PORMA	Terre Adelie	
TAA	Terre Adelie	
PIDGE	Terre Adelie	
PINGU	Terre Adelie	
Victoria Land		
ADARE	Adare	
HLL	Cape Hallett	
MCM	McMurdo Sound	
SBA	Scott Base	
TAMA1	TAMSEIS 9900, AN1	
TAMA2	TAMSEIS 9900, AN2	
TAMA3	TAMSEIS 9900, AN3	
TAMA4	TAMSEIS 9900, AN4	
TAMA5	TAMSEIS 9900, AN5	
TAMA6	TAMSEIS 9900, AN6	
TAMA7	TAMSEIS 9900, AN7	
TAMA8	TAMSEIS 9900, AN8	
TAMA9	TAMSEIS 9900, AN9	
TNV	Terranova Bay	
VND	Vanda	
VNDA	Vanda	
I55US	WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	
Vostok Station		
VOSTO	Vostok	
Wilkes Land		
CSY	Casey Station	
WIL	Wilkes	

ASIA

Abashiri		
JABT	Abashiri-tokoro	
Afghanistan		
HRA	Herat	
KBL	Kabul	
KAAO	Kabul (SRO)	KBL
KBU	Kabul University	
Aichi		
JSST	Shinshiro-tsukude	
Arkangel'skaya Oblast'		
SHIP	Sredneye Shipitsyno	
Arkhangel'skaya Oblast'		
AMDE1	Amderma1	
ADZR	Andozero	
OMEGA	Omega	
Armenia		
AGVN	Aghvani	
ALGS	Alagyaz	
ALVK	Alvank	
AMBZ	Amberd	
AKSZ	Araks	
ARRZ	Ararat	
ARTS	Artic	
ARUZ	Aruch	
ARZK	Arzakan	
AYRK	Ayrk	
BVRS	Bavra	
BAW	Bavra	
CKLZ	Chkalov	
DARS	Darpas	
EGVZ	Egvard	
GNI	Garni	
GOGS	Gogaran	
GRS	Goris	
TUNS	Gyulagarak	
GMRZ	Gyumri	
GYMZ	Gyumri	
AIDS	Halavar	
MOLS	Halavar	
HARI	Harich	
HNAZ	Hnaberd	
IDJZ	Idjevan	
ISKY	Isaakyan	
DZR	Jermuk	
KDR	Kadzharan	
KMOZ	Kamo	
KAMZ	Kamo	
KAPZ	Kaputan	
KKRS	Karmrakar	
KRMZ	Karmrakar	
KATS	Katnaghbyur	
NB2S	Katnajur	
KETS	Keti	
KCHK	Khachik	
XYB	Khnkoyan	
KIRO	Kirovokan	
COLK	Krashen	
LEN	Leninakan	
LMTZ	Lermontov	
LRNG	Lernagog	
LERZ	Lernakert	
LRNS	Lernantsk	
LYES	Lernapar	
LERS	Lernavan	
LSVT	Lusahovit	
MGRZ	Megri	
METS	Metsamor	
MCRS	Metsamor	
METK	Mets Parni	
NRKZ	NAREK	
NARZ	Nor Artik	
SARS	Nor Kachakap	
NPPZ	NPP	
PAAR	P'arak'ar	
SRRS	Sarahart	
SATK	Sarapat	
SRTK	Saratovka	
SVZR	Sevazhayr	
SHMT	Shamut	
SHNS	Shenavan	
KMLS	Shenavan	
SPIZ	Spitak	
SPZA	Spitak	
STE	Stepanavan	
ST1S	Stepanavan 1	
ST2S	Stepanavan 2	
ST7	Stepanavan 7	
STEZ	Stepenevan	
TCHZ	Tchakhmakh	
TORS	Torosgyugh	
TSOZ	Tsokhamarg	
TTJR	Ttujur	
KYB	Urasar	
VANZ	Vanadzor	
VNNZ	Vanand	
VRNZ	Vardanashen	
VADZ	Vardenis	
VRD	Vardenis	
VAYK	Vayk	
XTNZ	Xhotanan	
ERE	Yerevan	
ZRSH	Zarishat	
Azerbaijan		
AGDM	Agdam	
ALIB	Ii-Bayramli	
ATGJ	Altiaghaj	
MV01	Ashagi Guzdek, Azerbaijan	
ASTR	Astara	
MV05	Atyali, Azerbaijan	
MV11	Azimkend, Azerbaijan	
BAK	Baki	
BALAK	Balakhany	
BAU	Ballabur	
BRDA	Brd	
BLQ	Beylaqan	
DZB	Cabrayil	
GLBA	Clilabad	
MV10	Cheyildagh, Azerbaijan	
ZHI	Cilov Adasi	
DSKN	Dashkesen	
QBL	Gabala	
GALA	Gala	
GANJ	Ganja	
KRV	Ganja	
GDB	GEDABAY	
GOBA	Gobu	
MV03	Gobu, Azerbaijan	
MV08	Gubalibalaoglan, Azerbaijan	
MV06	Guzdek, Azerbaijan	
HASN	Hasanabad, Azerbaijan	
HYR	Heyderabad	
ISM	Ismayilli	
IML	Ismayilli	
ISL	Ismayilll	
MV12	Jangi, Azerbaijan	
KBJ	Kelbejer	
KHDR	Khidirli, Azerbaijan	
XNQ	Khinaliq	
MV09	Korgoz, Azerbaijan	
KDMR	Kurdemir	
LNK	Lankaran	
LKRN	Lenkeran, Azerbaijan	
LRK	Lerik	
LKB	Lokbatan	
MV04	Lokbatan, Azerbaijan	
MGC	Mingacevir	
MNGR	Mingechevir, Azerbaijan	
NAX	Nakhchivan	
NDR	Nardaran	
NAK	Naxcivan	
ORD	Ordubad	
PRLH	Pirallahi	
PRLS	Pirkuli	
PQL	Pirkuli	
MV02	Puta, Azerbaijan	
QZX	Qazax, Azerbaijan	
GBS	Qobustan	
QRD	Qoradiz	
QUB	Quba	
KUB	Quba	
QUBA	Quba, Azerbaijan	
QSAR	Qusar	
SAAT	Saatly	
SHKI	Saki	
SHE	Samaxi	
SBZ	Shahbuz	
SEKA	Sheki	
MV07	Shongar, Azerbaijan	
SHUR	Shurabad, Azerbaijan	
SIZA	Siyzn	
SUMQ	Sumgait, Azerbaijan	
SMGA	Sumqayit	
TELL	Tel, Azerbaijan	
TOVZ	Tovuz,Azerbaijan	
YLVJ	Yalavanc, Azerbaijan	
YRD	Yardimli	
ZKTA	Zakatala	
ZKT	Zaqatala	
ZRD	Zardab	
ZRNV	Zarnava, Azerbaijan	
Bahrain		
BEE	Al Areen	
BBU	Al Budayyi	
BRF	Ar Rifa	
SAKB	Bahrain	
BJA	Jaww	
BMU	Muharraq	
Bangladesh		
BRDH	Bariadhala	
CHT	Chittagong	
JESS	Jessore	
Bashkortostan		
BA1R	Ufa	
Batan Islands		
BBPB	Basco Batanes	
Beijing		
MIY1	Miyun	
Bhutan		
CHUK	Chukha	
PARO	Chuyul	
BUMT	Jakar	
TASH	Kencho	
YALA	Shishapangma	
DOCH	Thimphu	
Bihar		
ARIA	ARARIA	
GAYA	Gaya	
STMR	SITAMARHI	
Buryatiya		
GORB	Goryachinsk	
NIZB	Nizh Angarsk	
VBR	Suhoy Ruchey	
TRNR	Turan	
YOAB	Uoyan, Buryatiya, Russia	
Caribbean Sea		
PSDCH	Copt Hall	
Cebu		
DACP	Dalaguete, Cebu	
MECP	Medelin, Cebu	
SFCP	San Francisco, Cebu	
Chelyabinskaya Oblast		
KI01	Katav-Ivanovsk	
KI05	Katav-Ivanovsk	
KI04	Katav-Ivanovsk	
KAIR	Katav-Ivanovsk	
Chiba		
JCCN	Chibachonan	
JCAJ	Choshiashikajima	
China		
Beijing		
BJT	Baijiatuau	
BJI	Beijing	
BJI2	Beijing	
PEK	Beijing	BJI
KWNG	Kwanting	
HIA0	HILR ARRAY SITE A0	
HIA1	HILR ARRAY SITE A1	
HIA2	HILR ARRAY SITE A2	
HIA3	HILR ARRAY SITE A3	
HIAB	HILR ARRAY SITE AB	
HIB1	HILR ARRAY SITE B1	
HIB2	HILR ARRAY SITE B2	
HIB3	HILR ARRAY SITE B3	
HIB4	HILR ARRAY SITE B4	
HIB5	HILR ARRAY SITE B5	
HIBB	HILR ARRAY SITE BB	
LZA0	LANZHOU ARRAY SITE A0	
LZA1	LANZHOU ARRAY SITE A1	
LZA2	LANZHOU ARRAY SITE A2	
LZA3	LANZHOU ARRAY SITE A3	
LZB1	LANZHOU ARRAY SITE B1	
LZB2	LANZHOU ARRAY SITE B2	
LZB3	LANZHOU ARRAY SITE B3	
LZB4	LANZHOU ARRAY SITE B4	
LZB5	LANZHOU ARRAY SITE B5	
LZBB	LANZHOU ARRAY SITE BB	
Fujian		
ZZJH	Jiuhuzhen	
QZN	Quanzhou	QZH
QZH	Quanzhou	
QZH2	Quanzhou	
Gansu		
CYEH	Changyeh	
GTA	Gaotai	
GTA2	Gaotai	
LAN	Lanzhou	
LCC	Lanzhou	
LZH	Lanzhou	
TNH	Tianshui	
TUWA	Tungkwan	
WUW	Wuwei	
YUM	Yumen	
Guangdong		
GZH	Guangzhou	
GZH2	Guangzhou	
CNT	Guangzhou	GZH
LMC	Lamocks	
Guangxi		
GULI	GuiLin	
Guizhou		
KWA	Guiyang	GYA
HXI	Guiyang	GYA
GYA	Guiyang	
Hainan Dao		
QIZ	Qiongzhong	
Hebei		
TIE	Tianjin	
Heilongjiang		
SUI	Sui-hua	
Hong Kong		
HKCD	Cape D'Aguilar	
CCHK	Cheung Chau	
HKC	Hong Kong Observatory	
HKPS	Hong Kong Po Shan	
HKLI	Keung Shan	
HKLM	Lead Mine Pass	
HKLK	Luk Keng	
HKSL	Siu Lam	
THK	Tsim Bei Tsui	
YHK	Yuen Ng Fan	
Hubei		
ENH	Enshi	
WHN	Wuhan	
WUC	Wuhan	WHN
WUH	Wuhan	
Hunan		
CNSH	ChangSha	
Jiangsu		
NJI	Nanjing	NAN
NAN	Nanjing	
NJ2	Nanjing	
ZSC*	Sheshan	
ZKW	Sheshan	
ZSC	Sheshan	
SSE	Sheshan	
Jilin		
CN2	Changchun	
CNH	Changchun	
HSK	Changchun	
MDJ	Mudanjiang	
Kunming		
I16CN	KUNMING INFRASONIC ARRAY REFERENCE POINT	
Liaoning		
DL2	Dalian	
DAI	Luda	
FEN	Shenyang	
SNY	Shenyang	
YIN	Yingkou	
Macao		
MCO	Taipa Grande	
Nei Monggol Zizhiqu		
PAO	Baotou	BTO
BTO2	Baotou	
BTO	Baotou	
HIA	Hailar	
HHC	Hu-ho-hao-te	
Ningxia		
YNC	Yinchuan	
Qinghai		
GOMU	GeErMu	
SNN	Xining	
Shaanxi		
TYF	T'ung-yeun Feng	
SIA	Xi'an	
SPE	Xi'an	XAN
XAN	Xi'an	
Shandong		

Code	Station Name	Other
TSN	Qingdao	
TIA	Tai'an	
Shanxi		
TTC	Datong	
LNF	Linfen	
TIY	Taiyuan	
TYN	Taiyuan	
Sichuan		
PEH	Beibei	
CDU	Chengdu	
CD2	Chengdu	
CNU	Chengdu	CDU
Xinjiang Uygur Zizhiqu		
KSH	Kashi	
KSH2	Kashi	
WMQ	Urumqi	
WUS	Wushi	
Xizang Zizhiqu		
ST19	Bangong	
ST21A	Bangong Suture	
ST04	Boqe	
XIXI	Borongxiang, Xizang Zizhiqu	
CHUD	Chudeng	
CHUS	Chupsang	
NING	Damshung	
ST01	Deqen	
ST27	Doima	
ST18A	East Bangong	
ST06	East Boqe	
ST25	Heping	
JMAG	Jamag	
ST34	Jangngalda	
ST40	Last Nowhere	
LHA	Lhasa	
LSA	Lhasa	
LAZE	Lhatse, Xizang Zizhiqu	
LUMP	Lumpola	
MAZA	Mabujiaxiang, Xizang Zizhiqu	
ST12	Maintong	
MNBU	Menbuxiang, Xizang Zizhiqu	
ST39	Middle Nowhere	
ST38	More Nowhere	
RC14	Nage Dongri, Xizang Zizhiqu	
NAIL	Nailongxiang, Xizang Zizhiqu	
DONG	Nakchu	
ONRN	Ngamring, Xizang Zizhiqu	
NHIM	Nhimo	
ST19A	North Bangong	
ST22	North Bangong Suture	
ST05	North Boqe	
ST02	North Deqen	
ST28	North Doima	
ST29	Northeast Doima	
ST16A	Northeast Serting	
ST25A	North Heping	
ST35	North Jangngalda	
ST12A	North Maintong	
ST37	North of River	
ST11	North Palgon	
ST15	North Pangkog	
ST17	North Serting	
ST20	Northwest Bangong	
ST22A	Northwest Bangong Suture	
ST31	Northwest Twin Lake	
ST08	North Xuru	
ST36	Nowhere	
NASE	Paila	
ST10	Palgon	
PALB	Palub	
TAGA	Panbu Gunsar	
ST14A	Pangkog	
RBSH	Rongbusi, Xizang Zizhiqu	
SAGA	Saga, Xizang Zizhiqu	
SAJA	Sa'gya, Xizang Zizhiqu	
SSAN	Sangsangzhen, Xizang Zizhiqu	
ST16	Serting	
ST17A	South Bangong	
ST21	South Bangong Suture	
ST03	South Boqe	
ST00	South Deqen	
ST26A	South Doima	
ST23	Southeast Heping	
ST24	South Heping	
ST33	South Jangngalda	
SANG2	South of Nakchu	
ST09	South Palgon	
ST14	South Pangkog	
ST15A	South Serting	
ST32	South Thanglha	
ST18	Southwest Bangong	
ST26	Southwest Doima	
ST23A	Southwest Heping	
DINX	Tingri, Xizang Zizhiqu	
ST13A	West Mington	
STW1	West of Nyma	
ST30	West Twin Lake	
ST07	Xuru	
Yunnan		
KMI2	Kunming	
KMI	Kunming	
KUN	Kunming	KMI
TNCH	TengChong	
China (Mainland)		
HILR	Hailar Array Beam Reference Point	
LZDM	Lanzhou Array Beam Reference Point	
Cyprus		
AKMS	Akamas	
AKMC	Akamas	
AKDN	Akdeniz- Kıbrıs	
AKIN	Akıncılar- Kıbrıs	
ALFC	Alefka	
POL1C	Argaka	
POL2C	Argaka (School)	
ASGA	Asgata	
ATHAL	Athalassa	
POL4C	Chrysochou	
OSC1	CSNet OBS 1	
OSC2	CSNet OBS 4	
EREN	Erenkoy	
FAM	Famagusta	
POL3C	Gialia	
HSY	Hisarkoy	
KANT	Kantara	
LAR1C	Larnaka City Center	
LEF	Lefka	
LFK	Lefkose	
MAGT	Magosa	
MAMC	Mammari	
CSS	Mathiatis	
MVOU	Mavrovouni	
NATA	Nata	
NIC	Nicosia	
CMET	Nicosia	
PPCY	Paphos	
PHNC	Paralimni	
PARAL	Paralimni	
PAR1C	Paralimni Civil Defence	
POL5C	Polis Chrysochou	
POL6C	Polis Chrysochou Centre	
POL7C	Prodromi	
CY101	RAF Akrotiri, Cyprus, Site CY101	
CY201	RAF Akrotiri, Cyprus, Site CY201	
CY301	RAF Akrotiri, Cyprus, Site CY301	
CY302	RAF Akrotiri, Cyprus, Site CY302	
CY303	RAF Akrotiri, Cyprus, Site CY303	
CY304	RAF Akrotiri, Cyprus, Site CY304	
CY305	RAF Akrotiri, Cyprus, Site CY305	
CY306	RAF Akrotiri, Cyprus, Site CY306	
CY401	RAF Akrotiri, Cyprus, Site CY401	
CY501	RAF Akrotiri, Cyprus, Site CY501	
CY601	RAF Akrotiri, Cyprus, Site CY601	
CY602	RAF Akrotiri, Cyprus, Site CY602	
CY603	RAF Akrotiri, Cyprus, Site CY603	
CY604	RAF Akrotiri, Cyprus, Site CY604	
CY605	RAF Akrotiri, Cyprus, Site CY605	
CY606	RAF Akrotiri, Cyprus, Site CY606	
SZAC	Souni	
APOL	The Sanctuary of Apollo Hylates	
TROD	Troodos	
XYLS	Xyliatos	
Dagestan		
KANR	Karaman	
HNZR	Khunzah	
TLTR	Tlyarata	
Delhi		
JMIU	JAMIA UNIVERSITY	
NJFR	NAJAFGARH	
NARL	NARELA	
Democratic People's Republic of Korea		
CHJN	Chongjin	
HJU	Haeju	
HHU	Hamhung	
HYSN	Hyesan	
KGE	Kanggye	
PYS	Pyongsong	
PYAG	Pyongyang	
PYO	Pyongyang	
SRW	Sariwon	
SUJ	Sinuiju	
WOSN	Wonsan	
East Timor		
DLI	Dili	
Ethiopia		
AALE	DHOFAR2 - YR, ALE	
Fukushima		
JOTO	OTAMA OYAMA	
Georgia		
ABS	Abastumani	
AKH	Akhalkalaki	
AZNN	Azmana	
AZMN	Azmana	
BKRG	Bakuriani	
BKR	Bakuriani	
BROG	Barisakho	
BATM	Batumi	
BCHG	Becho	
BGD	Bogdanovka	
BOR	Borzhomi	
BGLV	Boslevi	
BTNK	Botanikuri	
BRNG	Burnasheti	
CHAG	Chala	
CHRG	Chargali	
CHRK	Chirukhi	
CHVG	Ch'k'valeri	
CHBG	Chuberi	
CBRG	Chuberi	
DALI	Dali	
DGRG	David-gareji	
DDFL	Dedoflistskaro	
TBLG	Delisi	
DGN	Dgnorisa	
ROSK	Digor gorge	
DMNS	Dmanisi	
DMNI	Dmanisi	
DSHG	Dusheti	
DUS	Dusheti	
EMLK	Emlikli	
GARIG	Gari	
GEG	Gegechkori	
GTS	Gentvishi	
GHRG	Ghorjomi	
GOR	Gori	
GUDA	Gudauri	
GUDG	Gudauri	
KZRT	Kazreti	
KZR	Kazreti	
KEH	Kehvi	
KHS	Khaishi	
KHRG	Kharagauli	
KHEL	Khelvachauri	
KHRT	Khreiti	
KHVA	Khvani	
KMSG	Kumisi	
KYM	Kumisi	
KRYG	Kurzu	
LGD	Lagodekhi	
LMPH	Lampalashi	
MARV	Martvili	
MTAG	Matani	
MTIG	Mestia	
MTEO	Meteo	
MINA	Minadze	
MTA	Mtatsminda	
ALIG	Mtskhetisjvari	
NKK	Na'kalak'ari	
NTS	Ninotsminda	
ONI	Oni	
PNSH	Pansheti	
TI2	Plekhanov	
SBTG	Sabatlo	
SAB	Saberio	
SAMG	Sameba	
SRKG	Sareki	
SRCG	Sart'ichala	
SHTL	Shatili	
SHNK	Shenako	
TIF	T'bilisi	
SEAG	Tbilisi Sea	
TKI	Tkibuli	
TKB	Tkibuli	
TNTG	T'onet'i	
TRLG	Trialeti	
TRLT	Trialeti	
ZSH	Tsaishi	
TSDO	Tsdo	
TSE	Tsebel'da	
CEYK	Tsey	
TDG	Tsikhis-Dzhvari	
ZTZ	Tsit'eli Tsqaro	
URAV	Uravi	
VAD	Vardenisi	
VRZG	Vardzia	
VSHL	Vashlovani	
VERG	Veris	
VRZT	Veris	
ZUG	Zugdidi	
AMRG		
Gujarat		
BHUN	Bhuj North	
B0DF	Kalawad	
NALA	Naliya	
Gumma		
JNMT	Numata	
Haryana		
GNR	GANAUR	
Hebei		
HNS	HongShan	
Heilongjiang		
BNX	BinXian	
HEH	HeiHe	
EN06	NECsaids, EN06	
EN08	NECsaids, EN08	
EN10	NECsaids, EN10	
EN11	NECsaids, EN11	
EN14	NECsaids, EN14	
EN16	NECsaids, EN16	
EN18	NECsaids, EN18	
EN19	NECsaids, EN19	
NS01	NECsaids, NS01	
NS02	NECsaids, NS02	
NS04	NECsaids, NS04	
NS05	NECsaids, NS05	
NS06	NECsaids, NS06	
NS07	NECsaids, NS07	
NS08	NECsaids, NS08	
NS09	NECsaids, NS09	
Henan		
LYN	LuoYang	
Hiroshima		
JHMO	Hiroshima-ondo	
India		
Andaman Islands		
BAKU	Bakultala	
BTNG	Baratang	
CMBY	CAMPBELL BAY	
CUBY	Cutbertbay	
DGPR	DIGLIPUR	
HVLK	Havelock	
HUTB	Hutbay	
KATL	Kadamtala	
MYB	Mayabunder	
PBA	Port Blair	
SHOA	Shoalbay	
Andhra Pradesh		
ADKI	Addanki	
BNR	BHIKNUR	
CHLP	Challavanipeta	
HYD	Hyderabad	
HYB	Hyderabad	
HYBB	Hyderabad (broadband)	
KLRI	Killari	
KGD	Kothagudem	
NJS	Nagarjunasagar	
NLG	Nalgonda	
PVM	Polavaram	
RCLA	Racherla	
RPR	Rampur	
SKHT	Srikalahasti	
SRSP	Sriramsagar	
SRLM	Srisailam	
URV	Uravakonda	
VJD	Vijayawada	
VIS	Vishakhapatnam	
VISK	Vishakhapatnam	VIS
VIZ	Vizianagram	
WGL	Warangal	
Arunachal Pradesh		
BMI	Bomdila	
INR	Itanagar	
ITAN	ITANAGAR	
KOI	Khonsa	
PASG	PASIGHAT	
TAWA	Tawang	
ZIRO	ZIRO	
Assam		
AGIA	AGIA	
BKOA	Assam	
NGJA	Assam	
BOKO	BOKO	
DHUB	DHUBRI	
DIBR	DIBRUGARH	
GWH	Guwahati	
GUWA	GUWAHATI	
HLGA	Haflong	
HMNA	Hamren	
JHI	Jorhat	
JORH	JORHAT	
KZI	Kaziranga	
LKP	Lekhapani	
PNBI	Panbari	
SILR	SILCHAR	
TZR	Tezpur	
TEZP	TEZPUR	
TOC	Tocklai	
YYI	Yaongyimsen	
Bihar		
BOKR	Bokaro	BOK
BOK	Bokaro	
SHBG	Sahibganj	
Delhi		
AYAN	Aya Nagar	
LDR	Lodi Road	
NDI	New Delhi	
SONA	Sohna	
Goa, Daman and Diu		
DHD	Dharwar	
GOA	Goa	
Gujarat		
BHAC	Bhachau	
BHRD	Bharudia	
BHV	Bhavnagar	
BHJ	Bhuj	
BHUJ	Bhuj	BHJ
DOLA	Dholavira	
GDD	Ghadhada	
JUMK	Jumkunaria	
LAKD	Lakadia	
MAND	Mandvi	
MOTP	Motapaya	
NGOR	Nagor	
NALI	Nalia	
SHIV	Shivlakha	
TAPR	Tapar	
VJP	Vajepar	
Haryana		
BHGR	Bahadurgarh	
KUDL	Kundal	
KKR	Kurukshetra	
ROH	Rohtak	
RTK	Rohtak	
Himachal Pradesh		
BHAR	Bharisain	
CKA	Chakrata	
DLH	Dalhousie	
DHDN	Dehradun	
DHRM	DHARAMSHALA	
GKD	Gaurikund	
GTU	Guttu	
JWA	Jwalamukhi	
JWL	Jwalamukhi	
KLP	Kalpa	
KSLI	Kharsali	
KOTI	Kothi	
KKHI	Kotkhai	
NHN	Nahan	
NNR	Narayananagar	
NURP	Nurpur	
SMI	Simla	
SMLA	Simla	
SDNR	Sundarnagar	
TPVN	Tapovan	
THN	Thein Dam	
ALCI	Alchi Leh	
BDJL	Bahadjhola, Orissa	
BLGR	Bilaigarh	
CUPL	Choutuppal	
CUD	Cuddapah	
DMPR	Damasthipur	
DRPR	Durgaprasadpur, Orissa	
GGR	Gangavaram	
GKPR	Gorakhpur	
HRYA	Harraiya (Basti)	
UMI	India	
JMUI	Jamui	
JHJR	Jhajjar	
JOSI	Joshimath	
KNKR	KANKER	
KNTI	KHUNTI	
LGTI	Lohaghat	
MYLAV	Mylavaram	
NRLA	Narela	
NRPL	Narshiapallam	
NPLP	NPLP New Delhi	
PWAL	Palwal	
PTDI	Pataudi	
PONG	Pong	
RSRA	Roshora	
SLGI	Shiliguri	
TLWR	Talawar	
TKRD	Thakurdwara	
TSSA	Tissa	
UDPR	Udaipur	
UJWA	Ujwa (Najafgarh)	
UTK	UTTARKASHI	
VLK	Valmikinagar	
Jammu and Kashmir		
BASC	Basecamp	
JMU	Jammu	
JYP	Jyotipuram	
MUZF	Muzaffarabad	
PTPR	Partapura	
RMBN	Ramban	
SRNI	Srinagar	
UDP	Udhampur	
Karnataka		
GBA	Gauribidanur Array	
KGF	KGF	
MNGI	Mangalore	

Kerala
PCHI Peechi
TRVM Trivandrum TRD
TRD Trivandrum
Laccadive Islands
MNCY Minicoy
MNCI Minicoy
Madhya Pradesh
BHPL Bhopal
BLPI Bilaspur
BLSP Bilaspur
JBP Jabalpur
REW REWA
SEH Sehore
Maharashtra
AKL Akola
BHAT Bhatsa
BOM Bombay
GOV Govalcot
KAD Karad
KARD Karad
KOLH KOLHAPUR, MAHARASTRA
KNI Koyna Nagar
LATR Latur
MAH Mahableshwar
NGP Nagpur
NSIK Nasik
POO Poona
PUNE Pune
STA Satara
Manipur
IMP Imphal
MUM Manipur University
TORI Toribari
UKHR Ukrul
Meghalaya
NGNA Nongstoin
SHIO Shillong SHL
SHL Shillong
TURI Tura
TURA TURA
DWK
Mizoram
AZL Aizawl
AIZW AIZWAL
SAIH SAIHA
Nagaland
BHDI Bhandari
CHKI Chanki
KHM Kohima
KOHI KOHIMA
KGNI Kongan
MOKO MOKOCHONG
Orissa
BWNR Bhubaneshwar
Punjab
BNGR Bahawalnagar
BHK Bhakra
FTMN Fort Manro
KTAS Katas
MUK Mukerian
Rajasthan
AJMR Ajmer AJM
AJM Ajmer
JASL Jaisalmer
KHET Khetri
Sikkim
GTK Tadong
Tamil Nadu
MDRS Chennai
KRKL Karaikal
KOD Kodaikanal
MDR Madras
SALM Salem
Tripura
AGT Agartala
BELO BELONIA
Uttar Pradesh
ABI ADIBADRI
AGR Agra
AGRA Agra
ALBI Allahabad
ASOR Ausora
BRCI Bahraich
BISR Bishrakh
DDI Dehra Dun
DBND Deoband
GARI Garurganga
JHNI Jhansi
KALG Kalgarh
MEE Meerut
UGON Onchagaon
PLMI Pala-Maneri
PTH Pithoragarh
RTUL Rataul
SNP Sonepat
VAR Varanasi
WIHG Wadia Institute--Dehra Dun
West Bengal
CAL Calcutta
HOW Howrah
ITKG Kharagpur

Indonesia
Ambon
AMO Ambon
AAI Ambon
KRAI Karang Ratu
NLAI Namlea
Bacan
LBMI Labuha
Bali
DNP Denpasar
IGBI Denpasar
INGI Ingas
JEHI Jehsanih
KHKI Kahang-Kahang
KELI Kelakatan
NBBI Negara
RTBI Rangdo, Negare
RANI Rangndo
RATI Rata
SRBI Singaraja
THRI Tanaharon
Bangka
PPBI Pangkal Pinang
Bawean
BWJI Bawean
Borneo
KBKI Kotabaru
Buton
BBSI Bau Bau
BSSI Bau Bau, Buton
Flores
EDFI Ende, Flores
LBFI Labuhan Bajo, Sumatra
MMRI Maumere
MHIT MHIT
RUTI Ruteng
AMPM Aifat
AAFM Alor Selatan
ABSM Argamakmur, Bengkulu
ACJM Astanajapura, JawaBarat
BDBI Badung, Bali, Indonesia
BPJI Bagelen, Jawa Tengah
BHCM Bahodopi, Sulawesi Tengah
BNTI Bajawa, Nusa Tenggara Timur
BGCM Balaesang, Sulawesi Tengah
BLCM Balaesang Tanjung, Sulawesi Tengah
BDCM Banawa Selatan, Sulawesi Tengah
BUSI Bandar Baru, Aceh
BOSM Banding Agung, Sumatera Selatan
BMSI Bangko, Jambi
BKJI Banjar, Jawa Barat
BLSM Batukuning Lakitan Ulu, Sumatera Selatan
BPMJM Batumarmar
BATI Baumata
BPSM Bayang, Sumatera Barat
BYLI Bayan, Nusa Tenggara Barat
BUKI Berau, Kalimantan Timur, Indonesia
TBMCM Bolaang Mongondow
BBBCM Bonto Bahari
BBCM Bontocani, Sulawesi Selatan
BUJI Buayan, Jawa Tengah
BBJM Bubulan, Jawa Timur
BTJI Bumi Jawa, Jawa Tengah
BTCM Bungku Tengah, Sulawesi Tengah
CCJM Campaka, Jawa Barat
CWJM Cikalong Wetan, Jawa Barat
CIJM Cikedung, Jawa Barat
CIJI Cipedes, Jawa Barat
CBJM Cipongkor, Jawa Barat
CSJI Ciracap, Jawa Barat
CSJM Congeang, Jawa Barat
WRJI Curahdami, Jawa Timur
DYPI Dekai, Papua Barat
DOCM Donggala, Sulawesi Tengah
DBNFM Donggo
DDSI Dumai Timur, Riau
DBKI Dusun Selatan, Kalimantan Tengah
ESNI Empang, Sumbawa, Nusat Tenggara Barat, Indonesia
GGJM Gabus, Jawa Tengah
GHMI Gane Barat, Maluku Utara
GEJI Gedangan, Jawa Timur
GKJM Gedangsari, Yogyakarta
GPSM Geumpang, Aceh
GESM Geumpang, Aceh
GBJI Gringsing, Jawa Tengah
GGJI Grobogan, Jawa Tengah
GTSI Gunung Toar, Riau
IHMI Ibu, Maluku Utara
IATSM Idi
IBTI Ile Boleng, Nusa Tenggara Timur
IHRSI Indragiri Hilir, Riau, Sumatera Indonesia
JHMI Jailolo, Maluku Utara
JTJM Jampang Tengah, Jawa Barat
JMSI Jangkat, Jambi
JBJI Jasinga, Jawa Barat
JPJI Jatiluhur, Jawa Barat
JBJM Jepon, Jawa Tengah
JSBFM Jereweh
JPSI Jurai, Sumatera Barat
JWJM Juwangi, Jawa Tengah
KPJM Kapas, Jawa Timur
KKMI Kei Kecil, Maluku
KJCM Kelara
KKKI Kendawangan, Kalimantan Barat
KWJI Kertek, Jawa Tengah
KBBI Kintamani, Bali
KLJI Klakah, Jawa Timur
KUSI Kluet Utara, Aceh
KLSM Kluet Utara, Aceh
KTTI Kolbano, Nusa Tenggara Timur
OMBFM Komodo
KTMI Kormomolin, Maluku
KMNI Kota Mataram Nusa Tenggara Barat Indonesia
KBJM Kunduran, Jawa Tengah
FKMPM Kurik
KUKI Kutai Barat, Kalimantan Timur, Indonesia
KMBFM Kuwus
KGCM Kwandang, Gorontalo
PKCI Lainea, Sulawesi Tenggara
LSCM Lalabati Rilau, Sulawesi Selatan
LBNFM Lambu
LKUCM Langgikima
LMTI Langke Rembong, Nusa Tenggara Timur
LPCM Lembang, Sulawesi Selatan
LESM Lemong, Lampung
LPSM Lengayang, Sumatera Barat
LJPI Lereh, Papua Barat
LLSM Limau, Lampung
LISM Lingge Isaq, Aceh
LTNI Lombok Timur, Nusa Tenggara Barat, Indonesia
LOCM Lore Tengah, Sulawesi Tengah
LUCM Lore Utara, Sulawesi Tengah
LLSI Lubuk Linggau Barat, Sumatera Selatan
LUJI Lumbang, Jawa Timur
LTSM Lumut, Sumatera Utara
LSNI Lunyuk, Sumbawa, Nusat Tenggara Barat, Indonesia
MTCM Malili, Sulawesi Selatan
MMCI Mamasa, Sulawesi Barat
MTSI Manduamas, Sumatera Utara
MBPI Manimeri, Papua Barat
MKJM Manisrenggo, Jawa Tengah
MLJM Mantup, Jawa Timur
MPSM Mapat Tunggul, Sumatera Barat
MBSM Marga Sakti Seblat, Bengkulu
MSCM Masamba, Sulawesi Selatan
MASM Masjid Raya, Aceh
MIPI Mimika Baru, Papua
MBBI Muara Bungo, Jambi
MTSM Muara Dua, Sumatera Selatan
MKSM Muara Sahung, Bengkulu
NBMI Namrole, Maluku
NKKI Nangan Tayap, Kalimantan Barat
NJBM Negara
NKBI Nusa Penida, Bali
WLFM Omesuri Atau Wulandoni
ONSM Onan Ganjang, Sumatera Utara
PCJM Pabuaran, Jawa Barat
PKSI Pagar Alam Utara, Sumatera Selatan
LKCI Pakue, Sulawesi Tenggara
PTSM Pangaribuan, Sumatera Utara
DWIKO Panggang, Yogyakarta
PLSI Pangkalan Koto Baru, Sumatera Barat
PKJI Paninggaran, Jawa Tengah
PAFM Pantar Tengah
PBNI Parado, Bima, Nusa Tenggara Barat, Indonesia
PICM Parigi Utara, Sulawesi Tengah
PABI Pasaman, Sumatera Barat
PMCI Pasangkayu, Sulawesi Barat
PKJM Pasawahan, Jawa Barat
PAKI Paser, Kalimantan Timur, Indonesia
PBJI Pasirjambu, Jawa Barat
PPCM Patampanua, Sulawesi Selatan
PDLI Pekat, Nusa Tenggara Barat
PSJM Pelabuhan Ratu, Jawa Barat
PRSI Pelalawan, Riau, Sumatera, Indonesia
PSSM Pematang Sawah, Lampung
PPSM Pesisir Selatan, Lampung
PLJI Plosoklaten, Jawa Timur
PBCI Poigar, Sulawesi Utara
PTJI Pondok Aren, Banten
PRJI Pracimantoro, Jawa Tengah
PBLI Pujut, Nusa Tenggara Barat
PMMI Pulau Makian, Maluku Utara
PPLI Punduh Pedada, Lampung
PSLI Rajabasa P. Sibesi, Lampung
RRSI Rambah, Riau
RASM Ranah Ampek Hulu Tapan, Sumatera Barat
RLSI Rantau Selatan, Sumatera Utara
IWPI Rasiei, Papua Barat
RKCM Rauta
RMSM Rawas Hulu, , Sumatera Selatan
RDCM Rio Pakava, Sulawesi Tengah
RHRSI Rokan Hilir, Riau, Sumatra, Indonesia
RSSM Ronggurnihuta, Sumatera Utara
RSNI Ropang, Sumbawa, Nusa Tenggara Barat, Indonesia
SWCM Sabbang Paru, Sulawesi Selatan
SASM Sampoiniet, Aceh
SBJM Sanden, Yogyakarta
JASI Sangir Balai Janggo, Sumatera Barat
SSSM Sangir, Sumatera Barat
STPI Sausapor, Papua Barat
BOJI Sawit, Jawa Tengah
SEJM Sedong, Jawa Barat
SUSM Sekincau, Lampung
SLBFM Sekotong Tengah
LHSM Semendo, Sumatera Selatan
SKPM Senggi
SEJI Senori, Jawa Timur
SJPM Sentani
NSBMM Seram Barat
SRMI Seram Utara, Maluku
SPSJM Serang Panjang
SBBM Seririt
SIRSI Siak, Riau, Sumatra, Indonesia
SWPM Sidey
SDSM Sidikalang, Sumatera Utara
SIJM Sidoarjo, Jawa Timur
STSI Silaut, Pesisir Selatan, Sumatera Barat
SISM Silih Nara, Aceh
SMSM Simpati, Sumatera Barat
SDCI Sindue, Sulawesi Tengah
TRIYO Sipora Selatan
SSMI Siritaun Wida Timur, Maluku
SNBI Sirombu, Sumatera Utara
SPSM Sitellu Tali Urang Julu, Sumatera Utara
SKSM Siulak Mukai, Jambi
SYJI Sleman, Yogyakarta, Jawa, Indonesia
PLSM Sosa, Sumatera Utara
SCJM Sukaluyu, Jawa Barat
SSJM Sukaraja, Jawa Barat
LKSM Suliki, Sumatera Barat
SBSM Sungai Beremas, Sumatera Barat
SLSM Sungai Lasi, Sumatera Barat
TPSI Tangse, Aceh
TASI Tanjung Raya, Sumatera Barat
TSJM Tanjungsiang, Jawa Barat
TTSM Tano Tombangan Angkola, Sumatera Utara
TPCI Taopa, Sulawesi Tengah
TMTMM Tehoru
TGCM Telaga, Gorontalo
TAMI Teluk Ambon, Maluku
TBKI Teluk Bayur, Kalimantan Timur
TSPI Teminabuan, Papua Barat
TMSM Teramang Jaya, Bengkulu
TKSM Tiganderket, Sumatera Utara
TOJI Tomo, Jawa Barat
TLCM Tomoni, Sulawesi Selatan
TBCM Tonra, Sulawesi Selatan
TOCM Towuti, Sulawesi Selatan
TUJI Tumpakrejo, Jawa Timur
UTSI Ulu Belu, Lampung
ULSM Ulu Musi, Sumatera Selatan
UTSM Ulu Talo, Bengkulu
USTI Umbu Ratu Nggay, Nusa Tenggara Timur
UKCM Unaaha
USFM Utan
WLTFM Wanasaba
WWCI Wangi-wangi, Sulawesi Tenggara
WUPCM Wara Utara
WWPI Waropen Bawah, Papua Barat
WSJM Warungkiara, Jawa Barat
WHMI Wasile, Maluku Utara
WBMI Weda Barat, Maluku Utara
WBNI Wera, Bima, Nusa Tenggara Barat, Indonesia
WSTMM Werinama
WEFM Wewaria
WMCM Wita Ponda, Sulawesi Tengah
WKCM Wolo
WLJI Wonosalam, Banten
WGJM Wringianom, Jawa Timur
WFTFM Wulanggitang
Irian Jaya
BAKI Biak
FAKI Fak Fak
GENI Genyem
JAY Jayapura
KMPI Kaimana, Papua
MWPI Manokwari, Papua
MENI Mendum Tagoi
MMPI Merauke
NABI Nabire
RKPI Ransiki, Papua
SMPI Sarmi
SWI Sorong
SIJI Sorong
TLE Tual
WAMI Wamena
YOMI Yo Moklole
Jawa
ABJI Asem Bagus
BND Bandung
BJII Banjamegara
BLJI Banyuglugur
BYJI Banyuwangi
CGJI Cibinong
CNJI Cibinong
CLJI Cilicap
CMJI Cimerak
CISI Cisompet, Garut
CBJI Citeko
DBJI Dramaga
GED Gedeh
GRJI Gresik
GMJI Gumukmas
SCJI Gunung Srandil
JAGI Jajag, Banyuwangi
DJA Jakarta
JMBI JAMBI
JCJI Jatiwangi
KMMI Kalianget
KALI Kaliastana
KRKI Karangkates
KPJI Karang Pucung
KIJ Kawah Idjen
KEL Kelud
LEM Lembang
MLB Malabar
MAJ Maron
MRP Merapi
NGJI Ngawi
PCJI Pacitan
PWJI Pagerwojo
PACI Pancar Gunung

Code	Station Name	Other
PASI	Pasiripis	
PULI	Pulasari	
SJI	Sawahan	
SNJI	Sawahan-Nganjuk, JISNET	
SRDI	Scrawed	
SMRI	Semarang	
SMR	Semeru Mts	KEL
SBJI	Serang	
SINI	Singah	
SKJI	Sukabumi	
TBJI	Tambak Boyo	
TNG	Tangerang	
TPJ	Tangkuban Prahu	
TGJI	Tegal	
TRT	Tretes	
UWJI	Ujung Watu	
CTJI	Waduk Cacaban	
UGM	Wanagama	
WOJI	Wonogiri, Jawa	
YOGI	Yogyakarta	
Kalimantan		
BKB	Balikpapan	
BKB2	Balikpapan	
BBKI	Banjar Baru	
MTKI	Muara Teweh, Kalimantan	
PKKI	Palangkaraya	
PLKI	Palangkaraya	
PBKI	Pangkalan Bun	
PTKI	Pontianak	
SMKI	Samarinda	
SGKI	Sangatta, Kalimantan	
STKI	Sintang	
TARAI	Tarakan	
Lombok		
KEDI	Kedomdong	
KLNI	Mataram	
MTNI	Mataram	
Moluccas		
BNDI	Bandanaira	
GAMI	Galela, Maluku	
GTOI	Gorontalo	
MSAI	Masohi	
SANI	Sanana	
SLKI	Saumlaki	
SAUI	Saumlaki	
TNE	Ternate	
TNTI	Ternate	
Nias		
GSI	Gunungsitoli	
Sulawesi		
APSI	Ampana	
BNSI	Bone	
BKSI	Bulukumba	
BUNI	Buntu Taipa	
BTNI	Buton	
KMSI	Cibinong	
KPNG	Kappang	
KAPI	Kappang	
KDI	Kendari	
KKSI	Kolaka, Sulawesi	
LUWI	Luwuk	
MJSI	Majene	
PMSI	Majene	
MKS	Makassar	
MMSI	Mamuju	
MNI	Manado	
MPSI	Mapaga	
MRSI	Marisa	
MSSI	Masamba	
NINI	Niniconang	
PCI	Palu	
SPSI	Sidrap Palu	
SKSI	Soroako, Sulawesi	
TTSI	Tana Toraja	
TANI	Tanete Lipujang	
TOLI2	Tolitoli	
TOLI	Toli-Toli	
Sumatera		
AEKI	Aeknabara	
BSI	Banda Aceh	
BLSI	Bandar Lampung	
BKNI	Bangkinang	
BGI	Bengkulu	
EGSI	Enggano, Bengkulu	
HUTI	Huta Ginjang	
KSI	Kapahiang	
KRJI	Kerinci	
KKD	Korintji-Dempo	
KASI	Kota Agung	
KLI	Kotabumi	
KCSI	Kotacane, Aceh	
LHSI	Lahat	
LASI	Langsa, Aceh	
LARI	Lau Rambong	
LHMI	Lhok Sumawe	
LWLI	Liwa	
MNSI	Mandailing Natal	
MNAI	Manna	
MRPI	Mariponipon	
MARI	Martimbang	
MASI	Maura Aman, Bengkulu	
MDSI	Maura Dua	
MBSI	MBSI	
MED	Medan	
MLSI	Meulaboh, Aceh	
PDSI	Padang	
PPI	Padang Panjang	
PMBI	Palembang	
PCBI	Pancar Batu	
PENI	Pendagan	
PSI	Prapat	
PBSI	Pulau Batu	
PPSI	Pulau Pagai	
PWS	Pulau-Weh	
RBSI	Rajabasa	
RPSI	Rantau Prapat	
RGRI	Rengat	
SISI	Saibi	
SEMI	Semponon	
SIBI	Sibayak Dolok	
SBSI	Sibolga	
SIMI	Simarbalatuk	
SNSI	Sinabang, Aceh	
SLS	Soengei Langka	
SDSI	Sungai Dareh	
TLN	Talang	
TPI	Tanjungpandan	
TPRI	Tanjung Pinang	
TRSI	Tarutung	
TSI	Tuntungan	
UBSI	University, Bengkulu	
KLSI		
TPTI		
Sumba		
BASI	Baing, Sumba	
BMNI	Bima	
DBNI	Kabupaten Dompu	
PLAI	Plampang	
TWSI	Taliwang, Sumbawa	
WBSI	Waikabubak, Sumba	
WSI	Waingapu	
Timor		
BWTI	Baumata	
KUPT	Kupang	KUG
KUP	Kupang	
KUG	Kupang	
SOEI	Soe	
Inner Mongolia		
XLT	XiLinHaoTe	
Iran		
QABG	Abgarm-Qazvin	
ABIR	Abomosa Island	
IAFJ	Afjeh	
AFRZ	Afriz	
HAGD	Aghdareh	
AHAR	Ahar	
AHBU	AHRAM	
AHWZ	Ahwaz	
IAKL	Akhelmad	
QALM	Alamut, Qazvin	
IALA	Alasht	
ALIA	Aliabad	
ABGH	ALIABAD KATOL	
IALM	Almabolaq	
TEHA	Amirabad Tehran	
KANR0	Anar	
ANAR	Anarak	
IAND	Andimeshk	
IANJ	Anjilo	
ASAO	Ashtian	
GAS1	Astara - Iran	
IAZR	Azarshahr	
IBAF	Bafgh	
BAGH	Bagheran - Birjand	
KBAM	BAM	
IBND	Bandar-abas	
BNDS	Bandar-Abbas	
BSRN	Basiran	
BAZ1	Bazman	
ABEH	Behbahan	
BIRU	Birjand	
BJND	Bojnord	
BJNR	Bojnord	
BJRD	Bojnurd	
BJMA	Bojnurd	
IBST	Bostanabad	
IBZA	Bozab	
IBRJ	Brojen	
QBNZ	Buin Zahra, Qazvin	
CSN1	Caspian	
CHBR	Chabahar	
CHTH	Charan	
ICHK	Chekchek	
CHMN	Cheshme madani	
KCHF	Cheshme Sefid, Kermanshah	
IDAH	Dahanechah	
DAMV	Damavand	
IDMV	Damavand	
BDRS	Dareh Seyedi	
SCNT	Darkhovein	
DARN	Darouneh	
IDSA	Dashabbas	
DSBU	Dashti - Bushehr	
DHL1	Dehloran	
IDHR	Dehrash	
IDOB	Doab	
DOBD	Dorbid, Yazd	
IEMG	Emamgholi	
IFTB	Fath-abad	
FRDS	Ferdows	
IFIR	Firoozkooh	
GENO	Geno	
GRMI	Germi	
IGHG	Ghaleghazi	
IGLO	Ghaloghah	
QAM	Ghamsar	
GHB	Gharebagh	
IGAR	Gharneh	
KGS1	Ghasr-e-Shirin	
IGZV	Ghazvin	
GHIR	Ghir-Karzin	
GHVR	GHOM	
GIDE	GILAN DEYLAMAN	
GLG1	Gilan-e-Gharb (Kermanshah, Iran)	
GNKF	Gonabad	
GTMR	Gotvand	
HGHA	Hamedan- Ghayesh	
IHSB	Hasanabad	
IHSH	Hashtrud	
IHRS	Heris	
IHOS	Hoseineyeh	
ILBA	Ilam Banvizeh	
ILP6	Ilpa6	
IR7	Iran Long-Period Array	
IR1	Iran Long-Period Array	
IR2	Iran Long-Period Array	
IR4	Iran Long-Period Array	
IR6	Iran Long-Period Array	
IR5	Iran Long-Period Array	
IR3	Iran Long-Period Array	
IRSH	Iranshahr	
IRSR	Iranshahr-Savaran	
QJF1	Jafarie	
JHBN	Jahan bin	
JHRM	Jahrom	
JRKH	Jarkhoshk	
JSK1	Jask	
JASK	Jask - Hormozgan	
JSSH	JASK -SHIRAHAN	
JIR1	Jirandeh	
IKFM	Kafar-mosalman	
KHJ1	Kahnooj	
KHNJ	Kahnooj	
KHI	Kakhk	
KKHK	Kakhk	
KAGH	KALAT	
IKMR	Kamar-syah	
IKRD	Kardeh	
KRSH	Karshahi	
KAZ2	Kazeron-Fars-Iran	
IKAZ	Kazeroun	
KAZ1	Kazerun	
KLST	Kelardasht - Mazandaran	
KRBA	Kerman	
KRBR	Kerman	
KRM1	Kerman Province	
KER	Kermanshah	
KHAF	Khaf	
KHL1	Khalili_Fars	
ADB	khalkal	
IKAR	Kharkheh	
KHRK	Khark Island	
SKHZ	Khezeriat	
KHMZ	Khomeyn	
IKIA	Kiasar	
KHSK	Kohestak	
KHGB	Koh Gabri	
HKZM	Kohzaman	
IKLH	Kolahrood	
KLNJ	Kolanjah	
IKOM	Komasi	
KKOM	KOMASI	
TKDS	Koohdasht(Tabas)	
IKOO	Kooshah	
LHJ1	Lahijan	
LHJ2	Lahijan - Gilan	
LMD1	Lamerd	
LAR1	LAR	
ILAS	Lasjerd	
ILIN	Lien	
SLJL	Lujali _Shirvan	
IMAH	Mahabad	
MAHB	Mahabad	
IMHD	Mahdasht	
MAKU	Maku	
IMRD	Marand	
MRVT	Maraveh tapeh	
SMRD	Mared	
ISRO	Mashad	
MHI	Mashad	MAIO
MSH	Mashhad	
MSHD	Mashhad	
MAIO	Mashhad (SRO)	
MUI	Mashhad University	
MSHA	Masjed Soleyman	
MZJN	Mazayejan_Fars	
MZN1	Mazayjan	
IMEH	Mehriz	
AMD1	Meshkindasht	
BMDN	Meydan	
IMYA	Miami	
MISD	Mianeh	
MNB1	Minab	
IMIN	Minoodasht	
IMND	Minoodasht	
IMOG	Moghan	
SMGT	Moghavemat	
IMON	Monand	
IMOK	Mouk	
AMIS	Naft Sefid	
NGD1	Naghade .Az. Gharbi	
HNVD	Nahavand	
NASN	Na'in	
NJFI	Najafi	
TNSJ	Nastanj	
NGRK	Negar Kerman	
NGCH	Negor - Chabahar- Iran	
NHDN	Nehbandan	
NIAN	Nian	
NOSH	Now Shahr	
IPAR	Pars	
TPRV	Parvadeh(Tabas)	
IPAY	Payeh	
IPRN	Peran	
IPIR	Pirpir	
MZPU	Pul - Mazandaran	
QAMS	Qamsar	
QCNT	Qazvin	
QIR1	Qir	
IQOM	Qom	
IQHU	Qucahn	
QUCH	Quchan	
RFDD	Rafsanjan	
IRAM	Ramesheh	
RMKL	Ramhormoz	
QRS1	Rashteghoun_ Qazvin	
RST1	Rasht - Gilan	
KRVR	Ravar	
RAZA	Razan Borujerd	
IRAZ	Razeghan	
ROKH	ROKH	
SBZR	Sabzevar	
SBZV	Sabzevar	
ISAD	Sadrabad	
SALH	Salehabad	
SLM1	Salmas. Az.Gharbi	
HSAM	Samen	
SNJK	Sanadaj _Kordestan	
SNGE	Sanandaj	
SAQZ	Saqez_Kordestan	
ISRB	Sarab	
SRKH	Sarakhs	
SRMB	Sarakhs	
SRVN	Saravan	
SRSL	SARDASHT	
SDS1	Sardasht. Az. Gharbi.	
HSRG	Sareghieh	
ISRV	Sarvestan	
ISFB	Sefidab	
SEF	Sefid Rud	SRI
SRI	Sefid Rud	
SMAV	Semnan-Aivanekay	
ISFR	Sfrayin	
ISHB	Shabestar	
SSHG	Shadegan	
KSHD	Shahdad Kerman	
ISHM	Shahmirzad	
SHRT	Shahrakht	
ISHR	Shahran	
KSHB	Shahrebabak	
SHK1	Shahrekord	
SHRO	Shahrood	
SHD	Shahrud	
SHI	Shiraz	
ISHV	Shirvan	
SHGR	Shooshtar-Gavsavar	
ISHO	Shoshtar	
SHGO	Shushtar	
QSDN	Sirdan	
SNQR	Sonqor, Kermanshah	
TABS	Tabas	
TSHB	Tabas_ShorAb	
TAPT	Tabas- Tapeh tagh	
TABZ	Tabriz	
TAB1	Tabriz	
ITBZ	Tabriz	
TAB	Tabriz	
TAFT	Taft - Yazd	
TGI	Taghi Ghambar	
THR	Tehran	
TEH	Tehran	
THKV	Tehran--Karaj	
ITEG	Tejag	
TBJM	Torbat-e-JAM	
TBHD	Torbat heydarieh	
TVBK	TV Kerman	
URUN	Urmieh	
IVRN	Varamin	
TVRZ	Varzaqan	
IVIS	Veis	
IASBS	W01	
YZKH	Yazd	
SZD1	Zahaedan-tmp	
ZHSF	Zahedan	
ZHDN	Zahedan	
ZNGN	Zangian	
ZNJK	Zanjan	
ZRDN	Zarand Kerman	
KZRD	ZARAND_ Kerman	
IZEF	Zefreh	
BZRK	Zereshkeh	
Iraq		
NSR4	Al Neser	
RAFI	Al-Rafai	
AMR2	Amarah	
ANB1	Anbar	
IBDR	Badra	
BHD	Baghdad	
KSBB	Baniby	
BSR	Basra	
BSR2	Basrah	
DHK1	Duhok	
KAR3	Karbala	
IKRK	Kirkuk	
KIR1	Kirkuk	
KUT1	Kut	
MSL	Mosul	
NSR	Nassriya	
RTB	Rutbah	
SLY1	Sulaymaniyah	
SLY	Sulaymaniyah	
Irkutskaya Oblast'		
MRU	Marituj	
UZR	Uzur	
Israel		
ADI	Adamit	
AFK	Afek	
BLVR	Akhuzat Shoshana	
ALMO	Almog	
ALON	ALONIM	
AMOT	Alumot	
AMAZ	Amatzia	
AMZI	Amatzia	
AMID	Amiad	
GIF7	Amirim	
GIF8	Amirim	
AMRM	AMRM	
ARADI	Arad	
ARAD	ARAD	
ARVI	`Arava Valley	
RGMN	Argaman	
ARIL	Ariel University	
ASHL	ASHL	
ATR1	Atar 1	
BGIO	Bar Giyyora	
BTI	Bat Shelomo	
NITZ	Be'er Ora	
BEOR	Beer Ora	
BSHV	Beer Sheva	
ARVA	Beit Ha Arava	
BTNR	Beit Nir	
BTSH	Beit Shean	
GVI	Bet Guvrin	
BLGI	Bet Lehem HaGelilit	
BETMI	BETM	
BRNI	Bet Oren	
BTOR	Bet Oren	
BGII	BGI	
BRNII	BRN	
BRSH	Brosh	
BSO	Bsor	
CVYN	Cohav Hayarden	
DAMI1	DAM1	
DAMI2	DAM2	
DSI	Dead Sea	
DSD2	Dead Sea Dam 2	
GIF4	Deir al-Asad	
DIMI	Dimona	
DSHN	Dishon	
DLIA	DLIA	
DOR	Dorot	
DRGI	Dragot	
DSI10	DS10	
DSI11	DS11	
DSI12	DS12	
DSDI2	DSDS2	
GIF2	Ega'aton	
ELAT	Eilat	
HAMT	Eilat	
YHRM	Eilat	
ELOT	Eilot	
SHRTI	Eilot, SHRT	
ENGI	Ein Gedi	
ENGV	Ein-Gev	
GVMRI	Ein Harod, GVMR	
GIF1	Ein Ya'akov	
EYHV	Ein Yahav	
EIL	Elat	
EIL2	Elat	
ELFZ	Elifaz	
MTBI	Elifaz, MTB	
GDOT	Gadot	
GNNR	Gan-Ner	
GEM	Giv'at Ha'Em	

Code	Station Name	Other
GVMR	Giv`at Hamore	
GOLA	Golan Heights South - Mevo Hama	
GLH	Golan-Tel Qazir	
GRFT	Grofit	
HDNS	Had-Ness	
GOSH	HaGoshrim	
HAF	Haifa	
HMRA	Hamra	
HNTI	Hanita	
HYGV	Hayogev	
HZVA	Hazeva	
HLZ	Helez	
HOGN	HOGN	
HULT	Hulata	
IDAN	Idan	
IZRL	Izrael	
JNI	Jehonathan	
JER	Jerusalem	
IUI	Joint University Institute Eilat	
JVI	Jordan Valley	
KMTI	Karmit	
KARV	Kedem Haarava	
KDZV	Kedmat Zvi	
KMKB	Kefar Hamakabi	
KNHM	Kefar Nahum	
KRPN	Kefar Rupin	
KSDI	Kefar Szold	
KERI	Keren	
KERN	KERN	
KSHT	Keshet	
HRSH	Kfar Ka'horesh	
KRPI	Kfar Ruppin	
KEGD	Kibutz Ein-Gedi	
KIRY	Kiryat Shemona	
GIF6	Kishor	
KOMTI	KOMT	
KTRA	KTRA	
KZIT	Kziot	
LVBS	Lehavot Habashan	
LODD	Lod	
LOTA	Lotan	
MEFR	Maale Efrayim	
NOH	Ma'ale Noah	
MKT	Machtesh Katan	
MNFI	Manof	
MSDA	Masada	
MZDA	Masada	
MZBI	Masada	
MASH	Mash`abbe Sade	
MSHI	Mashabei Sadeh, MSH	
MSBI	Mazada	
MDBI	Mazsada	
MEHL	Mehola	
MAMI	Mei-Ami	
MNHA	Menahamia	
MRHV	Merhavia	
MERN	Meron	
DSI1	Metsoke Dragot	
MTLA	Metula	
MGDL	Migdal	
MSAM	Misgav Am	
MZS	Mizpe Shalem	
MNIT	MNIT	
MLDT	Moledet	
MPRN	Moshav Paran	
MSPR	Moshav SAPIR	
ASI	Mount Amassa	
ATZ	Mount Atzmon	
MBH	Mount Berech	
CRI	Mount Carmel	
MGI	Mount Gilboa	
HRFI	Mount Harif	
HRI	Mount Hermon	
MML	Mount Malkishua	
MMLI	Mount Malkishua	
MMR	Mount Meron	
MRNI	Mount Meron	
MNRI	Mount Meron	
MMA3	Mount Meron array	
MMA4	Mount Meron array	
MMA2	Mount Meron array	
MMA1	Mount Meron array	
MMA0	Mount Meron array	
MMA0B	Mount Meron array	
MMC7	Mount Meron array	
MMB1	Mount Meron array	
MMB2	Mount Meron array	
MMB3	Mount Meron array	
MMC6	Mount Meron array	
MMB4	Mount Meron array	
MMC5	Mount Meron array	
MMC4	Mount Meron array	
MMC3	Mount Meron array	
MMC2	Mount Meron array	
MMC1	Mount Meron array	
MMAI	Mount Meron Array Beam Reference Point	
MOI	Mount Montar	
RMN	Mount Ramon	
RMNI	Mount Ramon	
MSM	Mount Sar Shalom	
SDOM	Mount Sodom	
MYI	Mount Yahel	
YASH	Mount Yoash	
MBRI	Mt Berech	
NAAM	Naama	
HMDT	Nahal Hemdat	
NAHO	Nahshon	
NTGD	Nativ Hagedud	
NEOT	NEOT	
NTKR	Neot Hakikar	
NATI	Neve Ativ	
HRMI	Neve Ativ	
NSHI	Neve Shalom, NSH	
NVZR	Neve Zohar	
NOZA	NOZA	
OFRI	`Ofer	
ORTZ	Oretz Creek	
DSI13	Ovnat, DS13	
PRNI	Paran	
KRMI	Paran Flat	
PARD	Parod	
GIF9	Parod	
PZL	Pazael	
GIF5	Pelekh	
RSFT	Ramat Hashofet	
RAMI	RAMI	
RMOT	Ramot	
RTMI	Retamim	
RTAM	Retamim	
RTMM	Retamin	
REVI	Revivim	
RVVM	Revivim	
HTRR	Road 258 - Hatrurim Junction	
YFRK	Road 90 - Yafruk	
ROII	Roi	
RSPN	Rosh Pina	
DAMI3	Safi, DAM3	
SAGI	Saggi Highlands	
SLTI	Sal'it	
SAMR	Samar	
SPIR	Sapir Facility	
SDBK	Sde Boker	
SHGL	Shaar Hagolan	
SZAF	Shezaf	
SVTA	Shivta	
SHLH	SHLH	
SLMZ	Shlomzion	
SHVTI	SHVT	
SHZF	SHZF	
HTEC	Technion Haifa	
TVER	Teveria	
TUNL	TUNL	
VJRH	Vered Jericho	
YGR	Yagur	
YAHL	Yahel	
YTIR	Yattir	
YFTH	Yftach	
YHAZ	YHAZ	
YHOZ	YHOZ	
YITV	Yitav	
YELM	Yotvata	
YTVT	Yotvata	
ZNH	Zanoah	
ZRT	Zar'it	
SAF	Zefat	
ZEFT	Zefat	
ZEFH	ZEFH	
ZFRI	Zfri	
ZUKM	Zukim	
ZNT	Zur Nathan	
	Jammu and Kashmir	
BDGH	Bhadarwah	
BDRWA	Bhadarwah	
DODA	Doda	
DORU	Doru	
GANDO	Gandoh	
HNLY	HANLEY	
KSHWR	Kishtwar	
LEH	LEH	
SRIN	SRINAGAR	
THTRI	Thathri	
TATRI	Thathri	
	Japan	
	Abashiri	
ABJ	Abashiri	
ABJ2	Abashiri 2	
JTKR	Abashiri--Tokoro	
JAK	Akkeshi	
KNP	Kunneppu	
JMP	Maruseppu	
	Aichi	
JAA	Atsumi	
CHTJ	Chita	
JICN	Ichinomiyachiaki	
INU	Inuyama	
MIKN	Mikawa	
NAG	Nagoya	
SYJ	Shimoyama	
JSSY	Shinshiroyabe	
TYH	Toyohashi	
TYNN	Toyone	
	Akita	
AKI1	Akita	
AKI	Akita	
AKIJ	Akita 2	
KOMT	Akitakoma	
FUT	Futatsui	
JAH	Hinai	
HJY	Honjo	HJH
HJH	Honjo	
NIB	Nibetsu	
JNTW	Noshirotokiwa	
JOG	Oga	
OGH	Oga	
JOG2	Oga 2	
JOG3	Oga3	
TBS	Tobishima	
TOBT	Tobi-shima	
YOKT	Yokooka	
JYW	Yuwa	
	Aomori	
AOM	Aomori	
AOM1	Aomori	
AOMJ	Aomori 2	
AOM3	Aomori 3	
JAHD	Aomorihigashidori	
JARK	Aomorirokkasho	
DAKH	Dake	
GNK	Ganki	
HAC	Hachinohe	
HACJ	Hachinohe 2	
HATH	Hata	
HRD	Hirodai	
JHHS	Hirosakihyakuzawa	
IZMH	Iizume	
JIW	Iwasaki	
KZW	Kaizawa	
JANG	Nango	
JOT	Ohata	
JSI	Shiura	
JSI2	Shiura 2	
TNB	Tanabu	
JTM	Tenmabayashi	
YAY	Yayoi	
	Bonin Islands	
JCJ	Chichijima	
CBIJ	Chichi jima	
CBI	Chichi jima	
TTZ	Chichi shima	
HJJ	Hachijo jima	
JHJ	Hachijo jima 2	
JHCJ	Hachijojimakashitate	
JHHJ	Haha-jima-NKT	
JHH2	Haha-jima-NKT2	
YUO	Iwo jima	
JKO	Kozu shima	
JHJ2	Mitsune	
MKJ	Miyake jima	
JMY	Miyakejima3	
NJJ	Nii jima	
NJJJ	Nii jima 2	
OGS	Ogasawara	
OSH	Oshima	
OSHJ	Oshima	
JIM	O shima 2	
JIM2	Oshima 3	
TOR	Tori shima	
	Chiba	
COJ	Choshi	
CHOJ	Chosi	
CHO1	Chosi	
CHO	Chosi	
ICH	Ichihara	
INB	Inubo	
I30JP	ISUMI INFRASONIC ARRAY REFERENCE POINT	
IWJ	Iwai-Kita	
JKUC	kamogawauchiura	
KTR	Katsuura	
KIY	Kiyosumi	
KYS	Kiyosumi	
TMS	Mera	
MNJ	Mineoka	
JCN	Nagara	
SKU	Sakura	
JSMT	Sammumatsuo	
SMJ	Shimohsa	
TAT	Tateyama	
TYM	Tateyama	
TATJ	Tateyama 2	
TOG	Togane	
YKI	Yokaichiba	
	Ehime	
MTY	Matsuyama	
JNA	Nagahama	
NHM	Niihama	
JET	Tanbara	
UWA	Uwa jima	
UWA2	Uwa jima 2	
	Fukui	
FKJD	Fukui	
FUK	Fukui	
HKJ	Hokoriku	
IMJ	Imajo	
KADD	Katsuyama	
KAJD	Katsuyama	
MHJ	Mihama	
SGJ	Sugihashi	
TSRJ	Tsuruga	
TSR	Tsuruga	
	Fukuoka	
JFA	Akaike	
AKM	Akama	
FKK	Fukuoka	
IZK	Iizuka	
JFI	Itaya	
	Fukushima	
AID	Aizu	
FKS	Fukushima	
JFFD	Fukushimafurudono	
JHK	Hiroka	
IWK	Iwaki	
ONAJ	Iwakimizuishiyama	
KNY	Kanayama	
JFK	Kawauchi	
MAKT	Makukawa	
JMST	Minamisoumatochikubo	
ONA	Onahama	
JFT	Otama	
SHR	Shirakawa	
SHRJ	Shirakawa 2	
JFY	Yanaizu	
	Gifu	
AMJ	Amo	
GIF	Gifu	
ITD	Itadori	
KTJD	Kamitakara	
JGF	Kuroka	
KHJ	Kushihara	
MZE	Maze	
JGM	Miyama	
JGN	Niukaw	
JAO	Obara	
OHRN	Oohira	
SMJD	Shimonomoto	
SPJN	Shinpukuji	
SRJD	Shirakawa	
SRJ	Sugihara	
TKN	Takane	
TAKN	Takayama	
TKY	Takayama	
TKZ	Takazawasan	
TKJD	Tokuyama	
TKC	Tsukechi	
YKE	Yakedake	
JYTA	Yamagatataniai	
	Gumma	
JGK	Kuni	
MAE	Maebashi	
MAEJ	Maebashi 2	
ODSE	Onioshidashi	
	Hidaka	
JBT	Biratori	
JBT2	Biratori 2	
ERM	Erimo	
JEM	Erimo	
HIC	Hidaka-Cho	
KMU	Kamikineusu	
MSN	Misono	
MUJ	Mitsuishi	
URA	Urakawa	
URAJ	Urakawa 2	
URA3	Urakawa 3	
JNBK	Urakawa-nobuka	
	Hiroshima	
HIR1	Hiroshima	
HIR	Hiroshima	
HIRJ	Hiroshima 2	
JJG	Jouge	
JHM	Kurahashi	
KRE	Kure	
KUT	Kutsugahara	
MKW	Mikawa	
NKR	Nakanohara	
JHS	Saijyo	
SHK	Shiraki	
JHT	Toyohira	
UZT	Uzuto	
	Hiyama	
JHY	Hiyama	
IMG	Imagane	
KKJ	Kaminokuni	
OKS	Okushiri	
JOSM	Okushiri--Matsue	
JOR	Okushj	
JSH	Shimam	
JSR	Shiriuchi	
	Hokkaido	
HTUJ	Hattaushi	
JSHD	Hidakashinhidaka	
JHST	Hiyamasetana	
HRK	Horoka	
IWN	Iwanai	
SKBJ	Kato	
RUSJ	Misakicho	
TNKJ	Nakagawa	
JOMM	Oshimamatsumae	
JRBN	Rebuntou	
JTHR	Tokachihiroo	
	Honshu	
BSO1	Boso 1	
BSO2	Boso 2	
BSO3	Boso 3	
BSO4	Boso 4	
	Hyogo	
JAJ	Awaji shima	
JAWN	Awajishima-nagasawa	
HMTD	Hikami	
HIM	Himeji	
IZT	Izumi	
KZT	Kanzaki	
JKS	Kasai	
JKSM	Kasumi	
KOB	Kobe	
KBE	Kobe	
JMT	Mikata	
MZT	Mikazuki	
JMIK	Miki	
OYT	Oya 1	
OYT2	Oya 2	
RKO	Rokko	
SNZ	Senzan	
SUM	Sumoto	
TTOK	Tanto	
TYK	Toyo'oka	
TNAK	Tsuna	
JAJ2	Tsuna	
YZT	Yamasaki	
YST	Yumesaki	
	Ibaraki	
JHYU	Hitachinakayamanoue	
JIHU	Itakohorinouchi	
KAK	Kakioka	
KAKJ	Kakioka Outpost	
MIT	Mito	
MRJ	Moriya	
MTJ	Mount Tsukuba	TSK
OKI	Okijuku	
TSK	Tsukuba	
JYT	Yasato	
	Iburi	
GENH	Genta-Ana	
HORH	Horominai	
JIAM	Iburiatsuma	
NRMH	Kita-Gairin	
KITH	Kitausu	
KONH	Konpirayama	
MATH	Matsumotoyama	
SRMH	Minami-Gairin	
MITH	Mitoyo	
MRR	Muroran	
MRRJ	Muroran 2	
JNB	Noboribetsu	
OHD	Ohdaira	
SHOH	Showa-Shinzan	
TATH	Tatsuka	
TMR	Tomakomai	
UVO	Usu Kazan Kan	
	Ishikari	
JEW	Eniwo	
HSS	Hokkaido University	
JISS	Ishikarishitsubu	
SAP	Sapporo	
	Ishikawa	
JJH	Hakui	
JHG	Hegura jima	
HRJ	Horyu	
JKG	Kaga	
KAN	Kanazawa	
KANJ	Kanazawa	
KAN2	Kanazawa 2	
KMD	Komatsu	
KMJD	Komatsu	
JSZ	Suzu	
WAJ	Wa jima	
	Iwate	
K06	Arakawa	
K11	Fujikirizawa	
HSH	Hashikami	
HMK	Himekami	
JMK	Ichinoseki	
IMAT	Imadeyama	
K05	Ishipane	
JSZI	Iwateshizukuishi	
KGJ	Kitakami	
K12	Koide	
K04	Kokoji	
K07	Kotohata	
JKEN	Kujiedanarisawa	
JKZ	Kuzumaki	
MKO	Miyako	
MIY	Miyako	
MIYJ	Miyakonagasawa	
MIZ	Mizusawa	
MIW	Mizusawa	MIZ
K08	Monomi-yama	
MRK	Morioka	
MRKJ	Morioka 2	
K01	Nishinai	
OFU	Ofunato	
OFUJ	Ofunato	
JOM	Ohasama	
K09	Ooide	
K10	Oonodaira	
JRG	Rokugo	

Code	Station Name	Other
SNI	Sanriku	
SAH	Sawauchi	
K03	Shimotochinai	
JTH	Tanohata	
K02	Yamasaki	
KDT	Kodera	
JNIO	Niijimaoohara	
TTO1	TONANKAI O.B.S1	
TTO2	TONANKAI O.B.S2	
TTO3	TONANKAI O.B.S3	
TTO4	TONANKAI O.B.S4	
TTO5	TONANKAI O.B.S5	
Kagawa		
JJS	Sakaide	
TAD	Tadotsu	
TKM	Takamatsu	
Kagoshima		
FURD	Furusato	
GON	Gongen	
HIKD	Hikinohira	
KAG	Kagoshima	
KAGJ	Kagoshima 2	
KV01	Kirishima Volcano	
KITD	Kitadake	
KOID	Koike	
JMTN	Minamitane	
NABD	Nabeyama	
NOJ	Nojiri	
JZO	Okuchi	
KV05	Oonami East	
KV03	Oonami West	
JSJ	Shimokoshiki	
SHRD	Shirahama	
KV12	Sinyu	
JSU	Suzuyama	
KV11	Takachiho West	
JTSR	Tashiro 2	
JYRO	Yoronjima	
YSM	Yoshimatsu	
YOSD	Yoshimatsu	
Kamikawa		
AIB	Aibetsu	
ASAJ	Asahikawa	
ASA	Asahikawa	
JFR	Furan	
JKK2	Kamakawa 2	
JKK	Kamikawa	
JKA	Kamikawa-asahi	
Kanagawa		
KMK	Kamakura	
HRM	Kawasaki	
ASG	Minamiashigara	
MSK	Misaki	
JOD	Odawara	
JOD2	Odawara 2	
OYM	Oyama	
JSGW	Sagamiharawakayanagi	
SRY	Shiroyama	
TKE	Take-yama	
YOK	Yokohama	
JYO	Yokosk	
YSK	Yokosuka	
Kochi		
AOU	Aou	
ASZ	Ashizuri	
IHR	Ishihara	
KOC	Kochi	
JKHR	Kochiharuno	
JKU	Kubokawa	
JMN	Monobe	
MRT	Murotomisaki	
MRMJ	Muroto Misaki	
MRT2	Murotomisaki 2	
SHM	Shimizu	
JTO	Tosashimizu	
URS	Ugurusu	
UMJ	Umaji	
WMY	Wakamiya	
Kumamoto		
ASO	Aso	
ASJ	Aso san	
JBEP	Beppuamama	
JHD	Hondo	
HONK	Hondo	
JIU	Izumi	
JIU2	Izumi 2	
JIU3	Izumi3	
KISK	Kishima-dake	
KUM	Kumamoto	
KUMJ	Kumamoto 2	
MAKK	Maki	
SUNK	Sunasenri	
TAKK	Taka-dake	
JTA	Tamana	
Kushiro		
AKK	Akkeshi	
JAR	Ashorobuto	
KUS	Kushiro	
KUSJ	Kushiro	
KSUJ	Kushiro	KUSJ
JKHN	Kushirohamanaka	
JOB	Onbets	
TES	Teshikaga	
Kyoto		
KMM	Kamigamo	
KGMK	Kamigamo	
KHK	Keihoku	
KYO	Kyoto	
MZH	Maizuru	
MAI	Maizuru	
MZH2	Maizuru 2	
JFM	Mihama	
MYD	Miyazu	
SZG	Shizugawa	
TNJ	Tannan	
UJI	Uji	
JWT	Wachi	
JKY	Yasaka	
Marcus Island		
MCS	Marcus Island	
MCSJ	Minami-tori-shima	
Mie		
GZS	Gozaisho	GOZ
GOZ	Gozaisho	
INA	Iinan	
ISE	Ise	
JIE	Ise	
IWO	Iwaosan	
KMYN	Kameyama	
KAM	Kameyama	
JKN	Kiinagashima	
JKN2	Miekihoku	
JMMH	Miemihama	
OWA	Owase	
TSU1	Tsu	
TSU	Tsu	
TSUJ	Tsu 2	
UGK	Ugakei	
Miyagi		
AOB	Aobayama	
ISN	Ishinomaki	
JIKH	Ishinomakikobuchihama	
KMF	Kamafusa	
KWT	Kawatabi	
JKMT	Kesennumamotoyoshi	
KSN	Kinkasan	
JMM	Marumori	
JOFO	Osakifurukawaosaki	
JIO	Ouri	
SEN	Sendai	
TUY	Tsuyama	
Miyazaki		
JMH	Hososhima	
JHHC	Hyugahichiya	
KV02	Kamimonzen	
KV06	Karakunidake	
JKJ	Kijyo	
JKIT	Kitakata	
KV04	Kurino-dake	
JJK	Kushima	
JNAR	Kushima--Naru	
MYZ	Miyazaki	
MYZ2	Miyazaki 2	
JNKG	Nichinankitagou	
NOB	Nobeoka	
KV09	Okamoto-Ura	
JTZ	Takazaki	
JTSN	Tsuno	
KV91	Ura	
Nagano		
AVOE	Asama Observatory	
ASM	Asama Yama	
GPY	Gippayama	
HSJ	Hoshina	
HTK	Hotokeiwa	
HZA	Huzimizaka	
IID	Iida	
IJDJ	Iida	IIDJ
IIDJ	Iida	
IKJ	Ikusaka	
KRJ	Kamimuroga	
KRZ	Karuizawa	KAZ
KAZ	Karuizawa	
KSJ	Kashima	
KMGE	Kuromamegawa	
MJ00	Matshushiro Site	
MJA0	Matsu Arr-Jizo	
MJB3	Matsu-Daira	
MJB8	Matsu-Inaba	
MJB6	Matsu-Irikaruiz	
MJA4	Matsu-Jizotouge	
MTM	Matsumoto	
MTMJ	Matsumoto	
MJB4	Matsu-Nakagumi	
MJA2	Matsu-Nakaone	
MAT	Matsushiro	
MAJO	Matsushiro	
MJAR	Matsushiro Array Beam Reference Point	
MAT0	Matsushiro Array Site 0	
MJ01	Matsushiro Array Site 1	
MJ02	Matsushiro Array Site 2	
MJ03	Matsushiro Array Site 4	
MJ04	Matsushiro Array Site 4	
MJ05	Matsushiro Array Site 5	
MJ06	Matsushiro Array Site 6	
MJA3	Matsu-Soehiyama	
MJB2	Matsu-Sugadaira	
MJB1	Matsu-Takimoto	
MJA1	Matsu-Toyosaka	
MJB9	Matsu-Tunnel	
MJB7	Matsu-Wadaira	
MJB5	Matsu-Yatsubo	
NGN	Nagano	
NGJ	Na-gawa	
NNJ	Nakano	
NSW	Nakanosawa	
JNG	Nsakai	
OMJ	Ohmine	
OIW	Oiwake	
OOS	Ooshika	
SDJ	Sanada	
STRE	Sannotorii	
SSZ	Sekisonzan	
SHZE	Shinhuzimiza	
SSJ	Shinshu-shinm'i	
JNY	Yasuok	
Nagasaki		
CJA	Chijiwa	
FKJ	Fukue	
JFU	Fukue jima 2	
JII	Iki	
IZU	Izuhara	
IZUJ	Izuhara	
IZU2	Izuhara 2	
NGS	Nagasaki	
NGSJ	Nagasakinomozaki	
SWAJ	Obama	
SHV	Shimbara	
TOM	Tomie	
JTU	Tsushima	
JTSM	Tsushimamitsushima	
UNZ	Unzen dake	
JUR	Ureshino	
Nara		
HBR	Haibara	
JHE	Heguri	
NAR	Nara	
JNTK	Naratenkawa	
SRT	Sarutani	
YAG	Yagi	
Nemuro		
JNK	Nakash	
NEM	Nemuro	
NEM2	Nemuro 2	
NMR	Nemuro--Hokkaido University	
JNSB	Nemuroshibetsu	
JRA	Rausu	
Niigata		
AIK	Aikawa	
JAW	Awa shima	
ITGE	Itoigawa	
JIZZ	Izumozaki	
KZK	Kashiwa-zaki	
KZJ	Kashiwa-zaki	
JJN	Nakama	
NII	Niigata	
NIIJ	Niigata 2	
NOUE	Nou	
JSD	Sado	
JNS	Sasagawa	
SBH	Shibata	
TKJ	Takada	
TKD	Takada	
YHKE	Yahiko	
YNT	Yunotani	
YZU	Yuzawa	
Oita		
BEP	Beppu	
JKI	Kunimi	
JNU	Nakatsue	
OIT	Oita	
OIT2	Oita 2	
JSKE	Saikikamae	
JUS	Usuki	
Okayama		
JAD	Aida	
OKA	Okayama	
OKA1	Okayama	
OKA2	Okayama 2	
Osaka		
ABU	Abuyama	
KAJ	Kashiwara	
KTNK	Katano	
MYO	Myokensan	
OSK	Osaka	
OSA	Osaka	
TKU	Takayasuyama	OSK
O shima		
ESH	Esan	
HAK	Hakodate	
HAKJ	Hakodate 2	
JKB	Kayabe	
MOR	Mori	
JYM	Yakumo	
JYM2	Yakumo 2	
Rumoi		
HAB	Haboro	
RMJ	Rumoi	
JSS	Shosan	
TOI	Tomamai	
JYG	Yagishiri	
Ryukyu Islands		
JAGN	Aguni-jima	
JAMN	Amaminishikomi	
JAM	Amami Oshima	
JOGS	Gusukube	
HATJ	Hateruma jima	
JIH	Iheya	
JIKM	Ikemajima	
JIRB	Irabujima	
IRI	Irimote jima	
IRIF	Iriomote-Funauki	
ISI	Ishigaki jima	
JIJ	Ishigaki jima 2	
JISG	Ishigakijimahirakubo	
ISHJ	Ishigaki Ryukyu Islands	
JZK	Kikaishima	
JKDJ	Kitadaitoujima	
JKC	Kuchinoerabu	
KMJ	Kume jima	
JKE	Kume jima 2	
JOW	Kunigami	
JKRS	Kuro-shima	
MWS	Mawashi	
JMZ	Minamidaito 2	
MVI	Minamidaito jima	
JMJ	Miyako jima 2	
JMJ2	Miyako jima3	
MYK	Miyako zima	
NAGO	Nago	
NGO1	Nago	
NGO	Nago	
JNTH	Nagotoyohara	
NAH	Naha	
NAH1	Naha	
JNN	Nakanoshima	
NKE	Nake	
NZJ	Naze	
JOKE	Okinoerabujima	
JTAJ	Takarajima	
JJT	Tamagu	
JJT2	Tamagusuku 2	
JJT3	Tamagusuku3	
TAJ	Tanegashima	
TAJ2	Tanegashima 2	
JTN	Tanegashima 3	
JTJ	Tarama	
JTK	Tokunoshima	
YKS	Yaku shima	
JYAK	Yakushimahirauchi	
YOJ	Yonaguni jima	
JYJ	Yonaguni jima 2	
JYNG	Yonagunijimakubura	
Saga		
SAG	Saga	
Saitama		
CHJJ	Chichibu	
CHJ	Chichibu	
DDR	Dodaira	
JHU	Hanno	
IWT	Iwatsuki	
KOM	Komaba	
KMG	Kumagaya	
JRY	Ryogami san	
Shiga		
AM1	Amasugawa 1	
AM2	Amasugawa 2	
AZJ	Azai	
BHOK	Bomura	
JEG	Eigenji	
HIK	Hikone	
IBU	Ibuki Yama	
KNJD	Kanaihara	
KWJ	Kawai	
OHM	Omihachiman	
ORJ	Oura	
JTG	Taga	
Shimane		
FUB	Fube	
JGT	Gotsu	
HMD	Hamada	
JHIK	Hikimi	
JNM	Ikuma	
JISK	Izumosakaura	
JMD	Masuda	
MTS	Matsue	
JJO	Oda	
JOI	OKI	
SAI	Saigo	
JGT2	ShimaneMisato	
Shiribeshi		
AHS	Asahigawa	
NKS	Nakayama Pass	
JSK	Shakotan	
SUT	Suttsu	
SUT1	Suttsu	
Shizuoka		
AJI	Ajiro2	
JFNN	Fujinakano	
GTN	Gotemba	
JHMK	Hamakita	
HMM	Hamamatsu	
HMMJ	Hamamatsu 2	
HEDN	Heda	
HDAN	Heda	
HRG	Hirogawara	
ITO	Ito	
JHTM	Izuhatsuma	
JIZS	Izushimoda	
KGW	Kakegawa	
JKKG	Kakegawa	
JKKS	Kakegawashinomba	
KTJ	Kamata	
KTJJ	Kamata 2	
KTJ3	Kamata3	
KWZ	Kawazu	
KOY	Koyama	
MIZN	Minamiizu	
MSKJ	Misakubo	
MIS	Mishima	
MZI	Mizumiiro	
NGT	Nagatsuro	
NRME	Naramoto	
NGHE	Neginohata	
NRY	Nirayama	
NSI	Nishiizu	
NUM	Numazu	
OKB	Okabe	
OKN	Okuno	
OMA	Omae zaki	
SGRN	Sagara	
JSG	Sagara	
SGMN	Shimogamo	
SMK	Shimokamo	
SHZ	Shizuoka	
SHZJ	Shizuoka 2	
SHZ3	Shizuoka 3	
SUS	Susaki	
TNRJ	Tenryu	
TK01	Tokai 1	
TK02	Tokai 2	
TK03	Tokai 3	
TK04	Tokai 4	
YOS	Yoshiwara	
JYZW	Yoshizawa	
Sorachi		
JAB	Ashibetsu	
JHR	Hokuryu	
Soya		
JWK2	Keihoku	
JRR	Rishiri	
JSE	Soyaes	
JWK	Wakkake-Misaki	
WAKJ	Wakkanai	
WAK	Wakkanai	
Tochigi		
JAG	Ashikaga	
JHO	Hitachi	
KKGU	Kamikuga	
JKT	Katashina	
KBH	Kobugahara	
MGJ	Motegi	
OHJ	Ohira	
JSB	Shiboa	
UTSU	Utsunomiya	
UTS	Utsunomiya	
YMZU	Yamizo	
YMZ	Yamizo	
Tokachi		
JCH	Churui	
HOO	Hiroo	
HOOJ	Hiroo 2	
MYR	Moyori	
OBI	Obihiro	
URH	Urahoro	
Tokushima		
JAI	Aioi	
INMK	Ichinomiya	
ISIK	Ishii	
KMNK	Kaminaka	
KCY	Kuchiyama	
JMAF	Mimaanabuki	
TKS	Tokushima	
TKSJ	Tokushima 2	
TSS	Tsurugi yama	
WKJ	Wajiki	
Tokyo		
JAOM	Aogashimamukaizawa	
HHR	Hinohara	
HNG	Hongo	
HGJ	Hongo	
IIS	IISEE	
JMKN	Mikurajimanishikawa	
MTK	Mitaka	
JSKK	Shikinejimakita	
SIN	Shinagawa	
TOK	Tokyo	
JTHY	Toshimahigashiyama	
Tottori		
CZT	Chizu	
FOTD	Funaoka	
KYTD	Kurayoshi	
JKR	Kurayoshi	
SAA	Sakai	
SNTD	Shikano	
TOTJ	Tottori	
TTT	Tottori	
TOT	Tottori	
YON	Yonago	
YONJ	Yonago 2	

Toyama
HKI Fushiki
KYJ Kuroyon
NRJ Nirehara
TOY Toyama
JTT Ttatey
Wakayama
ARD Arida
HDK Hidaka
HNMJ Hino-misaki
KKW Kainokawa
KNJ Kinomoto KMT
KMT Kinomoto
KISE Kishinomiya
JWY Kouya
JWZ Kozaga
KMN Kumano
JWM Minabe
MTGE Mitogawa
OIS Oishiyama
OIA Oishiyama (A)
OIB Oishiyama (B)
OIC Oishiyama (C)
SKW Shichikawa
SHJ Shiono misaki
JTNC Tanabenakahechi
TDR Todoroki
WKU Wakaura
WKME Wakayama
WKY Wakayama
WKYJ Wakayama 2
JWKM Wakayamakushimoto
YGI Yagi
YAS Yuasa
Yamagata
ATM Atsumi
JYA Atsumi
HRTT Hiratsu
JYK Kaneyama
JOU Okura
SAK Sakata
SKH Sakata 2
JYS Shirataka
JTB Tobi-shima
YAMJ Yamagata
YAM Yamagata
JYYZ Yamagatayuza
JYAR Yonezawaarcadia
Yamaguchi
JHGM Hagimishima
JKD Kudamatsu
SHN1 Shimonoseki
SHNJ Shimonoseki 2
SHN Shimonoseki 3
JTY Toyota
Yamanashi
ENZ Enzan
FUJ Fuji-kawa
FUN Funatsu
HOKE Hokigiyama
ICY Ichiyama
KOF Kofu
KFU Kofu
KGN Komagane
JIZ Nakaizu
OKY Okuyama
OOM Omiya
JYN Shimob
SBJ Shimobe
JNT Takato
UMJE Umejima

KOBA Kobaya
OSAC Osaka (C)
OSAK Osaka (K)

Jawa
BBJI Bungbulang
BAJI Socah, Jawa Timur

Jilin
EN01 NECsaids, EN01
EN02 NECsaids, EN02
EN03 NECsaids, EN03
EN04 NECsaids, EN04
EN05 NECsaids, EN05
EN07 NECsaids, EN07
EN09 NECsaids, EN09
EN12 NECsaids, EN12
EN13 NECsaids, EN13
EN17 NECsaids, EN17
EN20 NECsaids, EN20
EN21 NECsaids, EN21
EN22 NECsaids, EN22
EN23 NECsaids, EN23
EW01 NECsaids, EW01
EW03 NECsaids, EW03
EW04 NECsaids, EW04
EW05 NECsaids, EW05
EW06 NECsaids, EW06
EW07 NECsaids, EW07
EW08 NECsaids, EW08
EW09 NECsaids, EW09
EW10 NECsaids, EW10
EW11 NECsaids, EW11
EW12 NECsaids, EW12
EW13 NECsaids, EW13
EW14 NECsaids, EW14
EW15 NECsaids, EW15
EW16 NECsaids, EW16
EW17 NECsaids, EW17
EW18 NECsaids, EW18
EW19 NECsaids, EW19
EW20 NECsaids, EW20
EW21 NECsaids, EW21
EW22 NECsaids, EW22
EW23 NECsaids, EW23
NS10 NECsaids, NS10
NS11 NECsaids, NS11
NS12 NECsaids, NS12

Jordan
AJLJ Ajlon
ARTJ Al Aritein
DRHJ Al-Direh
QRNJ Al-Qirein
SHBJ Al Shahba
HSUJ Al Zarqa
ANJJ Anjarah
AQBJ Aqaba
GLFJ Aqaba
ASHJ Ashqof
BALJ Balqa
BYRJ Bayer
BURJ Burma
QTBJ Casr Tuba CSTJ
CSTJ Casr Tuba
DHLJ Dahal
JRDJ Daraweish
JDRJ Daraweish JRDJ
KARJ Dead Sea
LISJ El Lisan
MASJ El Maslubiya
RUMJ Er Rumman
GHAJ Ghor Haditha
GHZJ Ghuzeima
HLBJ Hallabat
HMRJ Hamra
HMTJ Hamta
HSHJ Hashim
HITJ Hittiya
ASF Jabal al Asfar
JARJ Jarash
JRSJ J Risha
RSHJ J Risha JRSJ
KFNJ Kafrein
SWQJ Karak
KSHJ Kshj
HSNJ Maan
MKRJ Makawir
MRSJ Marsad
MDSJ Mudaysisat
MDRJ Muduarah
MUDJ Muduarah
JSOJ Natural Resources Authority
QTFJ Qatafi
QTRJ Qatrana
QUTJ Qutrana
NAQJ Ras En-Naqb
RUWJ Safwai
SHMJ Saham
SALJ Salt
SHWJ Shawbak
SULJ Sultana
SMAJ Sumiya
UNJ University of Jordan, Amman
WMSJ Wadi Mousa
WALJ Wala
QRHJ

Kamchatskaya Oblast'
BZP Bezymyannyi-Pereval
PLVN Polovinka
SBLV Sobolevo
UDINA Udina
UBL Ust'-Bol'sheretsk
YKUG Yulia Kugaenko

Karabakh
HDR Hadrut
MTKZ Martakert
MTNZ Martuni
SUSZ Shushi
STKZ

Karelia
KOS6 Kostomuksha
KOST6 Kostomuksha
PAAN Paanajarvi
PTRZ Petrozavodsk
PITK Pitkyaranta

Kazakhstan
ABKAR Akbulak array
AB04 Akbulak array site
AB08 Akbulak array site
AB09 Akbulak array site
AB07 Akbulak array site
AB06 Akbulak array site
AB05 Akbulak array site
AB03 Akbulak array site
AB02 Akbulak array site
AB31 Akbulak array site
AB01 Akbulak array site
AKST Aksuat
AKB Aktobe
AKTK Aktyubinsk
AKTO Aktyubinsk
I31KZ AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT
ALGA Alga
AA1 Alma-Ata AAA
AAA Alma-Ata
KNDC Almaty
ARXS Arharly
BTLS Baital
BLB Baldybastay
MNBS Baschi
BAYK Bayan-Aul
BRZS Berezniki
BMNS Besmoynak
BRLS Borolday
BRVK Borovoye
BORK Borovoye
BVAR Borovoye Array Beam Reference Point
BVA0 Borovoye Array Site A0
BVA1 Borovoye Array Site A1
BVA2 Borovoye Array Site A2
BVA3 Borovoye Array Site A3
BVA4 Borovoye Array Site A4
BVB5 Borovoye Array Site B5
BVB6 Borovoye Array Site B6
BVB7 Borovoye Array Site B7
BVB8 Borovoye Array Site B8
BVB9 Borovoye Array Site B9
BUGS Bugetsay
CHL Chilik
TCH Chimkent CHM
CHM Chimkent
CHK8 Chkalova array site
CHK5 Chkalova array site
CHK6 Chkalova array site
CHK7 Chkalova array site
CHK9 Chkalova array site
CHK4 Chkalova array site
CHKZ Chkalovo
CHMS Chumysh
CHKK Chushkaly
DGS Degeres
FAB Fabrichnaya
FDRN Fyodorovka
ILI Ili
INDER Inder
IUG Iuzhnay
IZV Izvestkoviy
JBG Jabagly
DJR Jarkent
KAPS Kapalarasan
KRBS Karabastau
KKAR Karatay Array
KK03 Karatay Array site
KK31 Karatay Array site
KK05 Karatay Array site
KK02 Karatay Array site
KK09 Karatay Array site
KK08 Karatay Array site
KK07 Karatay Array site
KK01 Karatay Array site
KK06 Karatay Array site
KK04 Karatay Array site
KTBS Karatobe
KKL Karkaralinsk
KASK Kaskelen
KST Kastek
KTMS Ketmen
KPKS Kokpek
KNOS Konyrlen
KOSH Koshkarbay
KOTS Kotyrbulak
KRS Krasnogorka
KURS Kuram
KURK Kurchatov
KURBB Kurchatov Array
KUR01 Kurchatov Array Site 1
KUR10 Kurchatov Array Site 10
KUR11 Kurchatov Array Site 11
KUR12 Kurchatov Array Site 12
KUR13 Kurchatov Array Site 13
KUR14 Kurchatov Array Site 14
KUR15 Kurchatov Array Site 15
KUR16 Kurchatov Array Site 16
KUR17 Kurchatov Array Site 17
KUR18 Kurchatov Array Site 18
KUR19 Kurchatov Array Site 19
KUR02 Kurchatov Array Site 2
KUR20 Kurchatov Array Site 20
KUR21 Kurchatov Array Site 21
KUR03 Kurchatov Array Site 3
KUR04 Kurchatov Array Site 4
KUR05 Kurchatov Array Site 5
KUR06 Kurchatov Array Site 6
KUR07 Kurchatov Array Site 7
KUR08 Kurchatov Array Site 8
KUR09 Kurchatov Array Site 9
KRD Kurday
KRM Kurmenty
KUU Kurty
KGSKZ Kyrgizsay
KZAKZ Kzylasker
LNSK Leninskoye
MTBS Maitube
MAKZ Makanchi
MKAR Makanchi Array Beam Reference Point
MK32 Makanchi Array site
MK31 Makanchi Array site
MK06 Makanchi Array site
MK07 Makanchi Array site
MK08 Makanchi Array site
MK03 Makanchi Array site
MK09 Makanchi Array site
MK02 Makanchi Array site
MK01 Makanchi Array site
MK04 Makanchi Array site
MK05 Makanchi Array site
MDOK Medeo
MRKS Merke
OTUK Ortayu
USP Ospenovka
PDGK Podgornoye
KZAG Qyzylaghash
SATY Saty
SEM Semipalatinsk
SHLS Shalkode
SHLK SHOLAK
SGDS Sogindy
TDK Taldyqorghan
AA2 Talgar TLG
AAB Talgar TLG
TLG Talgar
DZA Taraz
TNSS Tian-Shan
TKMK Tokmak
TKM2 Tokmak 2
TUR Turbat
TGN Turgen
USHN Ushanovo
UZB Uzynbulak
VOSK Vostochnaya
VOS Vostochnaya VOSK
VOS7 Vostochnaya array site
VOS9 Vostochnaya array site
VOS5 Vostochnaya array site
VOS4 Vostochnaya array site
VOS8 Vostochnaya array site
VOS6 Vostochnaya array site
ZSN Zaisan
ZRNK Zerenda
ZRN7 Zerenda array site
ZRN6 Zerenda array site
ZRN9 Zerenda array site
ZRN8 Zerenda array site
ZRN5 Zerenda array site
ZRN4 Zerenda array site
ZHET Zhetisay
ZHN Zhinishke

Kemerovskaya Oblast'
ERU Erunakovo, Kuzbass, Russia
BELD1 Inskoy, Kemerovskaya Oblast', Russia
KALT1 Kaltan 1
KALT2 Kaltan 2
KALT3 Kaltan 3
KRTR Korotkovo, Kemerovskaya Oblast', Russia
KOST Kostenkovo, Kuzbass, Russia
KOTO Kotino, Kuzbass, Russia
MALIN Malinovka, Kuzbass, Russia
RASP Raspadskaya
TAIL Tailep, Kuzbass, Russia
VCHU Verkh-Chumysh, Kuzbass, Russia

Khabarovskiy Kray
CHMR Chegdomyn
VNNR Vanino

Komi
GRVA Griva
IN0 Inta
PZG Pozheg
PZHG Pozheg

Krasnodarskiy Kray
AHMR Akhmetovskaya
GELR Gelenjik
GLDR Gladkovskiy
GRYR Gornoye
GOYR Goytkh
LZRR Lazarevskoye
MRNR Maryino
NVPR Novopoltavsky
SRGR Sergiyevskiy
SPGR Shapsug
SUKR Sukko
TMNR Tamanskiy
VSLR Vesyoloye

Krasnoyarskiy Kray
KOLBA Kolba

Kuwait
NAY Al-Naaiem
QRN Al-Qurain
RDF Al-Radifah
FKI Failaka Island
KBD Kabd
MIB Mutribah
UMR Umm Al-Rimmam
RST Umm Al-Ruwaisat

Kyrgyzstan
ASAI AK-SAY(Kyrgyzstan)
AAK Ala-Archa
AML Almayashu
ANVS Anan'yevo
ARLS Aral
ARK Arkit
ARSB Arslanbob
BTK Batken
BGK Belogorka
BGK2 Belogorka 2
FRU1 Bishkek
FRU Bishkek
BOOM Boomskoye uschel'e
CHTS Chatyr-Tash
CHVK Chauvay
ENEL Enilchek, Kyrgyzstan
EKS Erkin-Say
EKS2 Erkin-Say
JNKS Jany-Kuch
KDJ Kajisay
KBK Karagaybulak
DRK Karamyk
KRSY Kara-Say
KRUK Karasu
KNSU Ken-Suu
KRVK Kivorka
KZA Kyzart
KZAD Kyzyl-Adyr
MNAS Manas
MRZ1 Merzbaher-Enilchek
NRN Naryn
OTK Orto-Tokoy
OHH Osh
PRZ Przheval'sk
RYB Rybach'ye
SALK Salom-Alik
SFK Sufi-Kurgan
TARG Taragay, Kyrgyzstan
TRKS Terek-Say
TOKL Toktogul
UCH Uchtor
ULHL Ulahol

Lebanon
BEIL Beino
BEYL Beirut
BHL Bhannes
SHBL Chebaa
DQRL Deir Qamar
DWR Dweir
FKH Fakeheh
HWQ Hawqa
BARBL Kfar Habou, BARB
KSA Ksara
MATL Matarih
NAQL Naqoura
QRWL Qaraoun
QSB Qsaybeh
RCY Rachaya
ZAHL Zahle

Leningradskaya Oblast'
IZMRN Krasnoe ozero
LOPUX Lopukhinka
PAW Pawlowsk
VYBR Vyborg

Leyte
PLPB Palo

Luzon
CICP Calayan Island, Cagayan
CAAP Casiguran, Aurora
RTBP Dona Remedios Trinidad, Bulacan
IBZP Iba, Zambales
LBLP Los Banos, Laguna
MABP Mabini Batangas, Philippines
MACP Maragondon, Cavite
PCPS Palayan City
SAMP Sagada Mountain Province

Code	Station Name	Other
SCSP	San Jose Seismic Satellite Station	
Madhya Pradesh		
GUNA	GUNA	
NRDN	NARMADA NAGAR	
Magadanskaya Oblast'		
GADL	Gadlja	
KOLG	Sinegor'e	
TLON	Talon	
Malaysia		
Peninsular Malaysia		
DSRI	Dabo	
IPM	Ipoh	
FRIM	Kepong	
KGM	Kluang	
MYKOM	Kota Tinggi	
KLM	Kuala Lumpur	
KTGM	Kuala Trengganu	
KTMY	Kuala Trengganu	KTGM
KULM	Kulim	
Sabah		
KKM	Kota Kinabalu	
KDM	Kudat	
MYLDM	Lahad Datu	
SDKM	Sandakan	
TSM	Tawau	
Sarawak		
BTM	Bintulu	
KSM	Kuching	
SBUM	Sibu	
Maldives		
HMDM	Hanimaadhoo	
KAAM	Kaadhehdhoo	
Manipur		
TAME	Tamenglong	
Mindanao		
BLNP	Bacolod Lanao del Norte	
BTTP	Bongao, Tawi-Tawi	
CDOP	Cateel, Davao Oriental	
GLSP	General Luna, Surigao del Norte	
LCVP	Laak	
MARW	Marawi	
MARP2	New Provincial Capitol Complex, Brgy. Buadi Sacayo, Marawi City, Lanao del Sur	
TASP	Talacogon, Agusan del Sur	
TSSP	Tandag City	
Mindoro		
TIRP	Brgy. Gulod. Binangonan Rizal, Talim Island	
Mongolia		
CCBM	Arkhangai, Tsenkher soum	
BYO	Bayan-Olgiy	
BLGM	Bulgan	
BULM	Bulgan, Bulgan city	
DZD	Dalandzadgad	
EBM	Esen Bulak	
BUGM	Govi-Altai, Bugat soum	
HTG	Hatgal	
HBD	Hovd	
HBDM	Khovd city	
HTGB	Khovsgol, Khatgal village	
BANB	Mongolia, Bayanulgii	
SONM	Songino Array Beam Reference Point	
SONA0	Songino Array Site A0	
SONA1	Songino Array Site A1	
SONA2	Songino Array Site A2	
SONA3	Songino Array Site A3	
SONA4	Songino Array Site A4	
SONB1	Songino Array Site B1	
SONB3	Songino Array Site B3	
SONB4	Songino Array Site B4	
SONB5	Songino Array Site B5	
SONB2	Songino Ar. Site	
I34MN	SONGINO INFRASONIC ARRAY REFERENCE POINT	
TSC	Tosontsengel	
TTS	Tsetserleg	
ULN	Ulaanbaatar	
ULG	Ulaangom	
OBM	Ulan Bator	
ULBM	Uvs, Ulaangom city	
TSCM	Zavkhan, Tosontsengel soum	
MO5M		
UNTM		
MGDM		
ALFM		
SEMM		
UB0M		
UGDM		
IVGM		
ARTM		
UB9M		
UB8M		
MO8M		
UB7M		
MO7M		
UB6M		
UB5M		
UB4M		
UB3M		
UB2M		
UB1M		
DZBM		
Murmanskaya Oblast'		
KVDA	Kovda	
TERR	Teriberka	
PRVG	Vayda Guba	
Myanmar		
MND	Mandalay	
MORE	Moreh	
NPW	Naypyitaw	
RAN	Rangoon	
SIMRM	Sittwe	
Negros		
CADP	Cadiz City	
CNOP	Candoni, Negros Occidental, Philippines	
GNOP	Guihulngan City	
Nepal		
BADN	Badegauja	
BAYN	Bayana	
BHMN	Bhimchula	
BIRA	Biratnagar	
BUNG	Bungee Jump	
CHA	Chatra	
DMN	Daman	
DANN	Dangsing	
EVN	Everest	
GBAN	Gaibana	
GAIG	Gaighat	
GJRN	Ganjari	
GNKN	Gaynekanda	
GHAN	Ghanteswor	
GKN	Gorkha	
GUN	Gumba	
HARN	Harre	
HILE	Hile	
ILAN	Ilam	
JANA	Janakpur	
JIRN	Jiri	
JIRI	Jiri	
KKN	Kakani	
KOLN	Koldanda	
LGAT	Lohaghat	
MEGN	Megha	
NAMC	Namche Bazar	
ODAN	Odare	
PHAP	Phaplu	
PHID	Phidim	
PKIN	Phulchoki	
PYUN	Piuthan	
PKI	Pulchoki	
PUSN	Pusma	
RAMN	Ramite	
RUMN	Rumjataar	
SINN	Sindhuli	
SUKT	Sukute	
TAPN	Taplejung	
THAK	Thakurichhap	
TLIN	TLI	
TUML	Tumlingtar	
Niigata		
JUON	Uonuma	
Oman		
ARQ	Araqi	
ASHO	Ashiyiah	
ABTO	Aybut	
BANOM	Banah	
BIDO	Bidbid	
BSYO	Bisya	
BSY	Bisya	
DAHO	DHOFAR2 - YR	
HADO	DHOFAR2 - YR	
HASO	DHOFAR2 - YR	
HAYO	DHOFAR2 - YR	
NNMO	DHOFAR2 - YR	
TQHO	DHOFAR2 - YR	
MDYO	DHOFAR2 - YR	
ABAY	DHOFAR2 - YR	
ADHO	DHOFAR2 - YR	
AYNO	DHOFAR2 - YR	
AYDO	DHOFAR2 - YR	
RAHO	DHOFAR2 - YR	
MUGO	DHOFAR2 - YR	
SOOO	DHOFAR2 - YR	
QALY	DHOFAR2 - YR	
SAHO	DHOFAR2 - YR	
AASHO	DHOFAR2 - YR, ASHO	
ABANO	DHOFAR2 - YR, BANO	
ADMTO	DHOFAR2 - YR, DMTO	
AGDR	DHOFAR2 - YR, GDR	
AMADO	DHOFAR2 - YR, MADO	
ASAY	DHOFAR2 - YR, SAY	
ASHIO	DHOFAR2 - YR, SHIO	
DS01	DHOFAR - XZ	
DS05	DHOFAR - XZ	
DS04	DHOFAR - XZ	
DS03	DHOFAR - XZ	
DS09	DHOFAR - XZ	
DS10	DHOFAR - XZ	
DS08	DHOFAR - XZ	
DS11	DHOFAR - XZ	
DS02	DHOFAR - XZ	
DS07	DHOFAR - XZ	
DS06	DHOFAR - XZ	
DMTO	DMTO	
DOK	Doka	
DQM	DQM	
HOQ	Hoqain	
JMDO	Jabal Madar	
JLN	Jalan Bani Buhassan	
KTMO	Khatum	
MDH	Madha	
MHTO	MHTO	
QHRO	Qairoon Hariti	
RBK	Rabkut	
SMDO	Samad	
SHAO	Shalim	
SOHO	SOHO	
SQUM	Sultan Qaboos University, Muscat	
WBK	Wadi Bani Khalid	
WHFO	Wadi Hawf	
WSAR	Wadi Sarin	
Orenburgskaya Oblast'		
BT3	Baitugan	
BT2	Baytugan-2	
TLKV	Tolkaevka	
Orissa		
BADS	Badasada Odisha,India	
BDRD	Badogoroda	
DEGN	Deogaon,Odisha	
GPUR	Gopapur,Odisha	
GNZP	Gunzipadi	
JHSG	JHARSUGUGA	
JNKA	Junkia	
KNJR	Keonjhar	
KULE	Kulei Odisha,India	
LHSG	Loharsingha	
MHDR	Mahidharpur,Odisha	
MHNG	Mohangiri	
MSKL	Muskil	
PABN	Pabitra Nagar,Odisha	
PADA	Padmapur Odisha,India	
PATN	Patnagarh Odisha,India	
RAJA	Rajamunda Odisha,India	
RANK	Rankasinga Odisha,India	
RAGD	RAYAGADA	
SHLP	Siplipahar	
SRBH	Sirabahal	
SRDN	Sording	
SUKL	Sukala	
VTBH	Vuterbahal	
Pakistan		
AMP	Ambar	
AMB1	Ambar	
CAM2	Attock	
BGP	Bagra	
BLKT	Balakot	
BASHA	Basha	
BSM1	Besham	
CBP	Campbellpur	
CKP	Chanarkot	
CPA	Chapri	
CHER	Cherat	
CEP	Cherat	
CHCP	Chirah Chowk	
CHT1	Chitral	
CHTL	Chitral	
DBP	Darband	
DAR1	Darband	
DRL	Darel	
KMD1	Dasu	
DRP	Derazinda	
DHO	Dhodishal	
DAM1	Diamer-Basha	
GLGT	Gilgit	
HNL1	Hanuchal	
HAR1	Harban	
ISBA	Islamabad	
DDJ	Jaglot	
KAR	Karachi	
KCHI	Karachi	
KHS1	Khanabri	
KHB1	Khanabri-I	
KHI1	Khiner	
KHUZ	Khuzdar	
KIA	Kiara Terrace	
LAH	Lahore	
MNL	Mangla	
NAT1	Nathian	
NTP	Nathian	
NIL	Nilore	
PAK0	Pari Array Site 0	
PPS1	Pattan	
PES	Peshawar	
PSH	Peshawar	
QIB	Qibla Bandi	
QTA	Quetta	
QUE	Quetta	
QUET	Quetta	
RBH	Right Bank House--Pihur	
SAD	Saidpur	
SARP	Sargodha	
SHN2	Shangus	
SBDP	Sheikh Budin	
SIP	Shinkiari	
SHI1	Shinkiari	
SHO1	Shori	
SKR1	Skardu	
SWR	Swabi-Maira	
SWM1	Swabi Mera	
TAR2	Tarbela	
TRB	Tarbela	
TBLA	Tarbella	
THW	Thamme Wali	
THO1	Thor	
TURB	Turbat	
UMKT	Umerkot	
KMN1	Usha	
UTL	Utla	
WRS	Warsak Dam	
ZHOB	Zhob	
Palestine Territories		
UJAP	Al Uja	
SALP	Salfit	
Peninsular Malaysia		
BHSMM	Behrang	
BMSMM	Bukit Katil	
JRMM	Jerantut	
Permskiy Kray		
BRK30	Berezniki,	
BER11	Berezniki, Zyrianka	
PR41R	Vlasy Permskiy Kray Russia	
Philippines		
Batan Islands		
BBP	Basco	
BAP*	Basco	
Cebu		
CCP	Cebu City	
LLP	Lapu-Lapu	
MAP	Mactan	
TBP	Tagbilaran	
Leyte		
MSLP	Maasin	
OCLP	Ormoc	
PLP	Palo	
Luzon		
AMB	Ambulong	
ARP	Angono	
BAF*	Baguio	
BCP	Baguio City	
BAG	Baguio City	
BCPH	Baguio City Dairy Farm	
BWP	Baguio Weather Station	
BALP	Baler	
BNP	Banawang	
BTP	Batelco	
NZB	Bigte	
BOAC	Boac	
BOLP	Bolinao	
VBU	Buco	
VBN	Bulusan	
CVP	Callao Caves	
CAUP	Cauayan	
APYP	Conner	
ABRA	Dolores	
SGCP	Gonzaga	
INF	Infanta	
LGP	Legaspi	
LEG	Legaspi	
VLH	Lignon Hill	
LYP	Liyang	
LBPH	Los Banos	
LQP	Lukban	
MAN	Manila	
MMPH	Masbate	
MATI	Mati	
VMR	Mayon Resthouse	
VMS	Misericordia	
MNP	Morong	
NBP	Mount Natib	
MSP	Mount Santo Tomas	
OTPR	Odiongan	
PALP	Palanan	
PCPH	Palayan	
PEP	Pantabangan	
PIP	Pasuquin	
PINP	Pinatubo--East Slope	
VPP	Pira-Piraso	
POLP	Polilio Island	
PAZ	Puerto Azul	
QAD	Quadrado	
QCP	Quezon City	
QVP	Quezon City--PHIVOLCS	
QVPH	Quezon City--PHIVOLCS	
AUQP	San Andres	
SBPH	San Jose del Monte	
SMPP	San Manuel, Pangasinan, Philippines	
SZP	Santa	
SCZP	Santa Cruz	
SBP	Subic Bay	
CALP	Taal Volcano	
TGY	Tagaytay City	
TAY	Tayabas	
TQP	Tayabas	TAY
TLP	Tuguegarao	
UMS	Upper Santa Misericordia	
PVCP	Virac	
LUK		
Mindanao		
SKMP	Bagumbayan, Sultan Kudarat, Philippines	
BIP	Bislig	
BIPH	Bislig	
BUTP	Butuan	
BTN	Butuan	
CGP	Cagayan de Oro	
OMP	Cagayan Oro	CGP
CTB	Cotabato	
CTBH	Cotabato--PC Hill	
DAP	Davao	
DMPH	Davao City--Mintal	
DAV	Davao City (W)	
DWP	Davao Weather Station	
DIP	Dipolog	
DCPH	Dipolog City	
DDMP	Don Marcelino, Davao Occidental, Philippines	
GTP	General Santos	
GSPH	General Santos City	
VHH	Hibok Hibok	
IPIL	Ipil	
KCP	Kidapawan	
MAM	Mambajao	
MPP	Mount Pasian	
BUKP	Musuan	
PAGZ	Pagadian	
PPH	Pasian Peak	
SGSI	Sangihe	
SNPH	Sibulan	
SCPH	Surigao	
ZMP	Zamboanga	
ZMPH	Zamboanga City	
Mindoro		
ABP	Abra de Ilog	
LUBP	Lubang	
PGP	Puerto Galera	
SJMP	San Jose	
Negros		
VCB	Cabagna-an	
VCN	Canlaon	
Palawan		
BATP	Bataraza	
BUSP	Coron	
CUYO	Cuyo Island	
ENPP	El Nido	
PPR	Puerto Princesa	
Panay		
AAP	Anini-y	
ILO	Iloilo	
GUIM	Jordan	
KALP	Kalibo	
OTRP	Odiongan	
PDP	Pandan	
PAP	Pandan	
RCP	Roxas	
ABPP	Abucay Bataan Peninsula	
AGIP	Aguinaldo, Ifugao	
IAPS	Aklan State University Campus	
ANVP	Aritao, Nueva Vizcaya	
SIPH	Barangay Tapao	
PAKP	Brgy Taft, Pakil, Laguna	
SIPP	Brgy, Tapao	
CAQP	Cabarroguis, Quirino	
CATP	Camiling. Tarlac	
BIMP	Claveria (Burias Island), Masbate	
GHBP	Garcia Hernandez, Bohol	
GNQP	Gen. Nakar, Quezon	
GOMP	Gloria, Oriental Mindoro	
GQP	Guinayangan	
IBAJ	Ibajay, Aklan	
VBIH	Ingaladian Volcano Observatory	
JCNP	Jose Panganiban, Camarines Norte	
LSIP	Lazi, Siquijor	

Code	Station Name	Other
AIQP	LGU Evacuation Site, Brgy. Camagong, Alabat, Quezon	
LDIP	Loreto	
PACPP	Pamplona Cagayan	
PICP	Pikit	
VGTI	Salacafe	
JAP	San Jose, Antique	
SPEP	San Policarpo Eastern Samar Seismic Station	
SZNP	Siocon, Zamboanga del Norte	
SHMP	Susana Heights	
TCKP	Tabuk City, Kalinga	
TABP	Talibon, Bohol	
ZCP	Zamboanga City	
Samar		
BESP	Borongan	
CNP	Catarman	
Primorskiy Kray		
PLTR	Poltavka	
PSTR	Posyet	
Punjab		
CGRH	CHANDIGARH	
Qatar		
SMRA	Abu-Samra	
GHRH	Al-Ghuwayriyah	
KHOR	Al-Khor Airport	
SHMA	Al-Shehemyia	
MASF	Masafi	
TRNA	Turayna	
Rajasthan		
BKNR	BIKANER	
SRGN	SRI GANGA NAGAR	
Republic of Korea		
KSAND	Andong	
KSADO	Andong	
ADOA	Andong Acc Borehole	
AGSA	Angseong	
AJD	Anjado	
ANMD	Anmado	
KSANM	Anmyeondo	
KSBAR	Backryungdo	
KSBRD	Baengnyeongdo	
BBK	Bangbang-kol	
BLGA0	Beolgok	
BGDB	Bigeumdo	
KSBON	Boeun	
KSCHY	BONGHWA	
KSPOR	Boryeong	
PORA	Boryeong	
BOSB	Boseong-gun	
KSPUA	Buan	
BURB	Buron	
BSAA	busan	
KSBUS	Busan	
KSBSA	Busan_acc	
BUSA	Buseok	
BUYB	Buyeo	
KSBUY	BUYEO	
BLLA0	Byeollyang	
CHRB	changnyeong	
KSCHR	CHANGNYEONG	
KSCEA	Cheonan	
CGDA	Cheongdo	
CGIA	Cheongil	
KSCEJ	CHEONGJU	
CSDB	Cheongsando	
OKCB	Cheongsan-myeong	
KSCHS	CHEONGSONG	
CGYA	Cheongyang	
KSCHW	Cheorwon	
KSCWO	Cheorwon	
KSCIG	Chilgok	
CLSA	chilseo	
CJD	Chujado	
KSCHC	Chuncheon	
KSCHJ	Chungju	
CGUB	Chungun	
CHYB	Chungyang	
CJDB	Chunjangdae	
KSCPN	Chupungnyeong	
KSCPR	CHUPUNGNYEONG	
DACB	Daecheong-do Republic of korea	
DAGA	daegu	
KSDAG	Daegu	
KSDGY	Daegwallycong	
KSTEJ	Daejeon	
DNBA	Danbuk	
KSDAU	Deagu-acc	
DUSB	Deogyusan	
KSDEI	Deokjeokdo	
DKJ	Deokjeong-ri	
KSDDC	Dongducheon	
KSTOH	DONGHAE	
DGHA	Donghyang	
DGLA	Dongro	
DKSA	Duksan	
ECDB	Euchungdo	
EMSB	Eumseong	
GDDB	Gadeokdo	
GACA	Gaecheon	
GGDB	Gageodo	
GGDA	Gangdong	
GGGA	Ganggu	
KSGAH	Ganghwa	
YAYA	Ganghyeon	
KSKAN	Gangneung	
KAW	Gangneung Acc Borehole	
KSGSG	Gangseo	
GAPB	Gapyeong	
KSKUC	Geochang	
KSKCH	Geochang	
KJM	Geoje	
GEJB	geojin	
GMDB	Geomundo	
GMNA0	Geumnam	
KSMSA	Geumsan	
GIGA	Gigye	
KSGIC	Gimchen	
GMHB	Gimhwa	
GMPB	Gimpo	
GOCB	Gochang-gun	
KSKOH	Goheung	
KSKOJ	Gongju	
KOJ2	Gongju-si	
KSGOS	Gosan	
GOS2	Gosang-Q330s	
GOS1	Gosan-ri	
KOSB	Goseong	
KSGUM	GUMI	
KSKUS	Gunsan	
KSGUS	GUNSAN	
GUWB	Gunwi	
KSKWJ	Gwangju	
KSGWJ	Gwangju-acc	
GWYB	Gwangyang	
GSNA	Gyeongjusannae	
GSU	Gyeongsang national university	
KSGBI	Gyogryolbido	
KSHAD	HADONG	
HANB	Haenam	
KSHAN	Haenam	
HAIA	Hail	
HALB	Hallimjungang-ro	
HMPA	Hampyeong	
HAMB	Hamyang	
KSHAC	HAPCHEON	
HACA	Hapcheon Acc Borehole	
HTDA	hataedo	
HEDA	hauido	
KSHUK	Heuksando	
HUK2	Heuksan-myeon	
HOES	Hoengseong	
HMGA	Homigot	
HOCA	Hongcheon	
HGDB	Hongdo	
HWCB	Hwacheon	
HWCA	Hwacheon Acc Borehole	
HAWB	Hwaseong-si	
HAWA0	Hwawon	
MHAW	Hwawon	
KSICN	Icheon	
IKSA	Iksan Acc Borehole	
ISGB	Iksangeumgang	
IJDB	imjado	
KSIMS	Imsil	
IMWB	Imwonan-gil	
KSINC	Incheon	
INCN	Inchon	
INC	Inchon	
CWS1	infrastation_cheorwon	
YCS4	infrastation_yeonchen	
KSIJA	INJE	
IJAA	Inje Acc Borehole	
IJBA	Injebuk	
KSJAH	Jangheung	
KUJA	Jangpyeong	
KSJAS	Jangsu	
KSJEC	Jecheon	
JECH	Jecheon	
KSJJU	Jeju	
KSJEU	Jeongeup	
JEJB	Jeongja	
KSJES	JEONGSEON	
KSCHO	Jeonju	
KSJEO	Jeonju	
JNPA	Jeungpyeong Acc Borehole	
JGNA	jeungsan	
JDO2	jindo	
KSJDO	Jindo	
JNHA	Jinhae	
KSCHI	Jinju	
KSJIN	Jinju	
JNYA	Jinyeong	
JLSA	jirisan	
JRB	Jirisan	
JODB	Jodo	
JUCA	Juchon	
JKJA	jukjang	
KSJMJ	Jumunjin	
KSJUR	Jungrangju	
KSKMS	Keumsan	
KOHB	KOHEUNG	
KSRS	Korea Array	
GODA	Kyodong	
GKP2	Kyungpook national university	
MJDB	manjaedo	
MALA0	Maryeong	
KSMAS	Masan	
MMD	Meamuldo	
KSMIY	MIRYANG	
MSNA0	Miryangsannae	
MIYA	Miryang-si	
KSMOK	Mokpo	
KSMOP	Mokpo	
KSMAN	Muan gun	
SMKB	Mukjeong-gil	
MLGA	Mulgeum	
KSMUG	Mungyeong	
KSMGY	Mungyeong	
PMNM	munnae	
MNYD	Munyeodo	
KSMUS	Musan	
PYCA	Myeonon	
NACA	Naecho	
NCNA	Naechon	
NAMB	Naemyeon	
KSNAJ	Naju	
KSNAH	Namhae	
KSNAW	Namwon	
NAWB	Namwon	
NJDA	Nanjido	
NLDA	Narodo	
KSNOW	Nowan	
OYDB	Oeyeondo	
OKEB	Okgye-meyeon	
KSPHA	Pohang	
PHN	Pohang	
KSPOH	Pohang	
PUS	Pusan	
KSPYC	Pyeongchang	
PYTK	Pyeongtaek	
KSGWL	Sabuk	
PMAM	samho	
KSSAC	SANCHEONG	
KSSAJ	Sangju	
SGMA	Sangmyun	
KSSGP	Seogwipo	
SEHB	SEOHWA	
SKBA	seokbo	
KSSSP	Seongsanpo	
KSSES	Seosan	
SEO	Seoul	
KSSEO	Seoul	
SMWA	Shimwon	
SHHB	Siheung-si	
SNGB	Singi	
SNNA	sinnyeong	
KSSKC	Sokcho	
KSSOC	Sokcho	
KSSOD	Songwoldong	
SUBA	Subi	
SUCA	Sunchang	
KSSCH	SUNCHEON	
KSSWO	Suwon	
SWO2	Suwon	
SYU	Syuhurei	
TANB	Taean	
KSTBA	Taebaek	
TAE	Taegu	
TAHA	Taeha	
TJN	Taejon	
TAIA	Teain	
KSTOY	TONGYEONG	
UDO0	Udo	
EURB	Uiryeong-eup	
EUSB	Uiseong	
KSULJ	Uljin	
UJN	ULJIN	
KSULL	Ulleungdo	
ULDR	Ulleungdo	
ULLB	Ulleungdo bore hole	
UL1	ULLUNGDO	
ULDB	Ullung-do Borehole	
KSUSN	Ulsan	
KSULS	Ulsan	
KSEUS	ULSEONG	
UNCA	Ungchon	
KSWAN	Wando	
WAN2	Wando-Q330s	
WICA	wicheon	
WID	Wido	
KSWJU	Wonju	
KSWON	Wonju	
KSAR	Wonju Array Beam Reference Point	
KS01	Wonju Array Site 1	
KS10	Wonju Array Site 10	
KS11	Wonju Array Site 11	
KS12	Wonju Array Site 12	
KS13	Wonju Array Site 13	
KS14	Wonju Array Site 14	
KS16	Wonju Array Site 16	
KS17	Wonju Array Site 17	
KS18	Wonju Array Site 18	
KS19	Wonju Array Site 19	
KS02	Wonju Array Site 2	
KS03	Wonju Array Site 3	
KS32	Wonju Array Site 32	
KS33	Wonju Array Site 33	
KS34	Wonju Array Site 34	
KS35	Wonju Array Site 35	
KS36	Wonju Array Site 36	
KS37	Wonju Array Site 37	
KS04	Wonju Array Site 4	
KS05	Wonju Array Site 5	
KS06	Wonju Array Site 6	
KS07	Wonju Array Site 7	
KS08	Wonju Array Site 8	
KS09	Wonju Array Site 9	
KS15	Wonju Array Sites 15 and 31	
YGBA	yangbuk	
YKB	Yanggu	
YAPA	Yangpyeong	
KSYAP	YANGPYEONG	
YAYB	Yangyang	
YALB	Yaro	
KSYCH	Yecheon	
YNCB	YEONCHEON	
YOA0	Yeongam	
YOCB	Yeongcheon	
KSYOC	YEONGCHEON	
YODB	Yeongdeok	
KSYOD	Yeongdeok	
YENG	Yeonggwang	
KSYOJ	YEONGJU	
KSYOW	Yeongwol	
YEYB	Yeongyang	
YPDB	Yeonpyeongdo	
YPD	Yeonpyeongdo	
KSYOS	Yeosu	
KSYSU	YEOSU	
YNDB	Yeoundo	
YSAB	Yesan	
YKDB	Yokjido	
YGAA	Yongam	
YINB	Yongin	
YGJA	Yongjeong	
YJD	YOUNGJONGDO	
YOJB	Youngju	
YUGA	Yugu	
Russia		
Altayskiy Kray		
AKAR	Aktash	
ARDR	Aradan	
ARTR	Artybash	
CUR	Chagan-Uzun	
CHBI	Chibit, Altay Republic, Russia	
ELDR	Elanda	
ELT	Eltsovka	
ELT0	Eltsovka	
GALT	Gorno-Altaysk, Altai Republic, Russia	
DGZ	Jazzator, Altay Republic, Russia	
KTNR	Kaitanak	
SLNR	Muhor-Tarhata, Altay Republic, Russia	
SALR	Pechorkino, Salair, Kemerovskaya Oblast', Russia	
TUNR	Tungur	
ULGR	Ulagan, Altay Republic, Russia	
UKR	Ust'-Kan	
YALR	Yailyu, Altay Republic, Russia	
ZAL	Zalesovo	
ZAA0	Zalesovo Array Site A0	
ZAA1	Zalesovo Array Site A1	
ZAA2	Zalesovo Array Site A2	
ZAA3	Zalesovo Array Site A3	
ZAB1	Zalesovo Array Site B1	
ZAB2	Zalesovo Array Site B2	
ZAB3	Zalesovo Array Site B3	
ZAB4	Zalesovo Array Site B4	
ZAB5	Zalesovo Array Site B5	
ZALV	Zalesovo Beam	
I46RU	ZALESOVO INFRASONIC ARRAY REFERENCE POINT	
Amurskaya Oblast'		
BMKS	Bomnak	
BMKR	Bomnak	
IMNS	Imangra	
KHNS	Khani	
KHY	Khatystyr	
KROS	Kirovskiy	
OCTB	Oktyabr'skiy	
RMNS	Romny	
TOK1	Tok Station 1	
TOK2	Tok Station 2	
TOK3	Tok Station 3	
TOK4	Tok Station 4	
TUG	Tungurcha	
USZ	Ust'-Nyukzha	
UURS	Ust' Urkima	
YASS	Yasnyy	
YASR	Yasnyy	
ZEA	Zeya	
Arkangel'skaya Oblast'		
LSH	Leshukonskoye	
PRGR	Permogore	
Arkhangel'skaya Oblast'		
AMD	Amderma	
AMDE	Amderma	
ARHR	Arkhangelsk	
KHE	Kheis	
KLMR	Klimovskoe	
SLVR	Solovky	
TMCR	Tamitsa	
ZFI	Zemlya Franca-Iocifa	
ZFI2	Zemlya Franca-Iocifa2	
Bashkortostan		
UFA	Ufa	
Buryatiya		
ALLA	Alla	ALL
ALL	Alla	
ANGR	Angarakan	
BTMB	Babushkin	
BGZ	Barguzin	
BDN	Bodon	
BRHS	Bolshoi Rechka	
FFNB	Fofonovo	
KAB	Kabansk	
KPC	Khapcheranga	
HRMR	Khuramsha	
KELR	Kotokel	
KVO	Kovokta	
KUM*	Kumora	KMO
KMO	Kumora	
KYA	Kyakhta	
MXMB	Maximikha	
MOY	Mondy	
NLY	Nelyaty	
NIZ	Nizh Angarsk	
ORA	Oran	
ORL	Orlik	
OZE	Ozernaya	
SVBS	Severo-Baykalsk	
SVKR	Severomuysk	
SVK	Severo-Muysk	
STDB	Stepnoy Dvorets	
SYVR	Suvo	
TNL	Tonnelnyy	
ZIP	Tsipikan	
TNKS	Turikan	
TRTB	Turuntaevo	
TRTS	Turuntaevo, Baikal	
UKT	Uakit	
UUDB	Ulan-Yde	
YLYR	Ulyunkhan	
YOA	Uoyan	
ZAK	Zakamensk	
ZRHB	Zarechye	
ZRH	Zaryechye, Baikal	
Chechnya		
GRO	Groznyy	
DVE	Vedeno	
Chitinskaya Oblast'		
CIT	Chita	
NLYR	Nelyaty	
SRK	Sredniy Kalar	
TUP	Tupik	
Chukotka		
BIL	Bilibino	
Dagestan		
AKT	Akhty	
ARKR	Arakani	
BTLR	Botlikh	
BUJR	Buynaksk	
DRN	Derbent	
DBC	Dubki	
DLMR	Dylym	
GNBR	Gunib	
KRNR	Karanay	
KSMR	Kasumkent	
XNZR	Khunzakh	
KMKR	Kumukh	
MAK	Makhachkala	
MNSR	Manas	
SGKR	Sergokala	
UKTR	Uchkent	
UNCR	Uncukul	
URKR	Urkarakh	
Irkutskaya Oblast'		
ARS	Arshan	
BAY	Bayanday	
BOD	Bodaibo	
BGT	Bolshoye Goloustnoye	
CRS	Chara	
IRK	Irkutsk	
IVK	Ivanovka	
LSTR	Listvyanka	
OGRR	Ongureny	
SOL	Solontsovaya	
TLY	Talaya	
TANS	Tal'yany, Baikal	
TRG	Tyrgan	

Kaliningradskaya Oblast'
KLNR Kaliningrad
KNG Konigsberg
Kaluzhskaya Oblast'
OBN Obninsk
Kamchatskaya Oblast'
ALID Alaid
APC Apacha
APN Apakhonchich
KRX Arik
ASAK Asacha
ASHS Asacha
AVH Avacha
BDR Baidarnaya
BERS Berezovaya
BKI Bering
BZMS Bezymyanka
BZMR Bezymyannaya
BZGR Bezymyannyi-Griva
BZWR Bezymyannyi-West
BLCS Bulochka
DALK Dalny
ES2 Esso
ESO Esso
GNL Ganaly
GRL Gorelyy
HAIS HAIS
INSR Institute
KAMP Kamchatka Peninsula
ST01S Kamchatka temporary site
ST03S Kamchatka temporary site
ST02S Kamchatka temporary site
KMNR Kamenistaya
KMSK Kamenskaya
KAMR Kamenskoye
KRMR Karymshinskiy
KII Karymskiy
KDTR Khodutka, Kamchatskaya Oblast',Russia
KIRR Kirishev
KZV Kizimen
KLY Klyuchi
KPT Kopyto
KOK Koryaka
KRER Koryakskii
KZL Kozel'skiy
KOZ* Kozyr KOZR
KOZR Kozyr
KOZ Kozyrevsk
KRSR Krestovskiy
KRN Kronoki
KBG Krutoberegovo
KBTR Krutoberegovo 1
LGNR Loginova
MIPR Malaya Ipel'ka
MKV Markovo, Chukotka
MAYS Mayak na Mysu Ozernom
MEDS Mednyi
MLKS Milkovo
MTVR Mutnovka
MTNS Mutnovskaya
MKZ Mys Kozlova
KRCS Mys Kronotskii
SPN Mys Shipunski
NCHK Nachiki
NALY Nalychevo
NLC Nalytchevo
OSSR Ossora
OZRR Ozero (Kronotsky)
PCHS Pakhachi
PALS Palana
PALN Palana
PAU Pauzhetka
PET Petropavlovsk
PEA0B opavlovsk-Kamchatskiy kiy Array site AOB
PETK opavlovsk-Kamchatskiy kiy Array site P
PES2 opavlovsk-Kamchatskiy kiy Array site S2
I44RU ROPAVLOVSK-KAMCHATSKY KY INFRASONIC ARRAY REFERENCE POINT
PDK Podkova
RUS Russkaya
SDLR Sedlovina
SMKR Semkarok
SEL Semlyachik
SVLR Shiveluch
KPLS Shiveluch-Kupola
SBRT Shubertovo
SMAR Somma
SRKR Sorokina
SRDR Sredinnyy
TIGL Tigil
TILR Tilichiki
TILK Tilichiki
TIL Tilichiki
TLBS Tolbacick
TOP Topolovo
CIRR Tsirk
TUMR Tumrok
TUMD Tumrok D
UGLR Uglovaya
VEK Verkhne-Kamchatsk
VDP Vodopadnii
ZLN Zelenaya
Karelia
VALR Valaam
Karel'skaya
LVZ Lovozero
Kemerovskaya Oblast'
ASR1 Anjero-Sudjensk, Russia
BJR1 Bachatsky 1, Kuzbass, Russia
BJR2 Bachatsky-2, Kuzbass, Russia
BJR3 Bachatsky-3 (Starobachaty), Kuzbass, Russia
BJR4 Bachatsky-4, Kuzbass, Russia
BALAH Balakhonka, Kuzbass, Russia
BRCR Berchikul'
KEM Kemerovo
KIYZ Kiyzas, Kuzbass, Russia
LUZB Luzhba, Kemerovskaya Oblast', Russia
POMOR Pomortsevo, Kuzbass, Russia
TASR Tashtagol
VEH Verkhnyaya Baza
Khabarovskiy Kray
EKMR Ekimchan
GRNR Gornyy
HABR Khabarovsk
KHBR Khabarovsk
LZR Lazarev
MNVS Mnogovershinnie
NKL Nikolayevsk
OKHR Okhotsk
OKHT Okhotsk
OHTR Okhotsk
URG Urgal
Khakassia
CERR Cheremushki
DJO Djoy, Khakassia, Russia
DJOS Djoyskaya Sosnovka, Khakassia, Russia
Khanty-Mansi Autonomous Okrug
BYAR Belyy Yar
HMA Khanty-Mansiysk
SKZ Skazka
Kirovskaya Oblast'
KIRV Kirov
Komi
SYKR Syktyvkar
Krasnodarskiy Kray
ANN Anapa
KPR KrasnayaPolyana
RPOR Krasnaya Polyana
KGUR Krasnodar
LABN Labinsk
SOC Sochi
VOZR Vozrozhdenie
ERBR Yeremizino-Borisovskaya
Krasnoyarskiy Kray
ABNR Abakan
BLRR Bol'shaya Rechka
DVG Divnogorsk
HVS Khovu-Aksy
KDN Kodinsk
KRAR Krasnoyarsk
KTRR Kuturchin
KZLR Kyzyl
MINR Mina
NRI Noril'sk
NRIS Noril'sk
NRIK Noril'sk
NRIL Noril'sk
ORHR Oreshnoe
ORY Orie
SHRR Shira
TBTR Tabat
TBRR Tiberkul'
ZLNR Zelenogorsk
GZLN Zheleznogorsk
SHTK Zheleznogorsk-3, Russia
GZL Zheleznogorsk city
Leningradskaya Oblast'
NE51 Saint Petersburg
LNN Saint Petersburg
VYB Vyborg
Magadanskaya Oblast'
ANDR Anadyr'
ANSS Anadyr, Chukotka
ANDR2 Anadyr, Chukotka
BILL Bilibino
BILI Bilibino, Chukotka
CES Cherskiy
DBI Debin
EGV Egvekinot, Chukotka
EVES Evensk
EVEN Evensk
EVNR Evensk
ILT Iul'tin
KLEP Klepka
GOLD Kubaka
KULR Kulu
MAG Magadan
MA2 Magadan
MGD Magadan 1
TEC1 Magadan Thermoelectric Plant
MKI Maiskii, Chutkotka
MYAS Myakit
NKB Nel'koba
NMA2 New Magadan Station 2
OBOS Obo
OLAR Ola
OCHR Omchak
OMOL Omolon, Chukotka
OMS Omsukchan
ORBT Orbita
ORTS Orotukan
PROV Provideniya
SEY Seymchan
SS42 Seymchan - Ulakhan Temp Deploy
SS40 Seymchan - Ulakhan Temp Deploy
SS41 Seymchan - Ulakhan Temp Deploy
SNGR Sinegor'e
SNGS Sinegor'e
SNE Sinegor'e
GRESR Susuman
SUUS Susuman
SS01 Susuman-Seymchan profile, station 01
SS02 Susuman-Seymchan profile, station 02
SS03 Susuman-Seymchan profile, station 03
SS04 Susuman-Seymchan profile, station 04
SS05 Susuman-Seymchan profile, station 05
SS06 Susuman-Seymchan profile, station 06
SS07 Susuman-Seymchan profile, station 07
SS08 Susuman-Seymchan profile, station 08
SS09 Susuman-Seymchan profile, station 09
SS10 Susuman-Seymchan profile, station 10
TTY Takhtoyamsk
TLAR Talaya
TONS Talon
TURS Tal-Yuryakh
SS62 Tal-Yuryakh Coal Mine
TAUS Tauisk
ST18S Temporary aftershock station near Magadan
ST20S Temporary station #20
ST21S Temporary station #21
ST22S Temporary station #22
ST23S Temporary station #23
USO Ust'-Omchug
YAGS Yagodnoe
Moskovskaya Oblast'
I43RU DUBNA INFRASONIC ARRAY REFERENCE POINT
KUC Kucino
MHV Michnevo
MOS Moscow
Murmanskaya Oblast'
APZ9 Apatity
APA Apatity
APAES Apatity Array Beam Reference Point
APA0 Apatity Array Site A0
APA1 Apatity Array Site A1
APA2 Apatity Array Site A2
APA3 Apatity Array Site A3
APB1 Apatity Array Site B1
APB2 Apatity Array Site B2
APB3 Apatity Array Site B3
APB4 Apatity Array Site B4
APB5 Apatity Array Site B5
Nizhegorodskaya Oblast'
PECR Pechory
Novosibirskaya Oblast'
ALXA Alekseevka, NSO, Russia
BSTK Bystrovka, Novosibirskaya Oblast', Russia
KHAR Kharino, NSO, Russia
NVS Novosibirsk
NVSII Novosibirsk
NHES Novosibirsk, NHES, Russia
Orenburgskaya Oblast'
LBGK Lebyazhka
ORR Orenburg
OR2 Orenburg-2
OR3 Orenburg-3
TRCK Troitsky
Permskiy Kray
PR2R Dobryanka
PR6R Ekimyata
KIZR Kizel
PR3R Kungur
PR5R Perm'
PR1R Pomanovo
PR7R Sarany
SOKR Solikamsk
PR0R Verkhnechusovskiye Gorodki
PR4R Vlasy
Primorskiy Kray
GRTS Gornotaezhnoe
GRTR Gornotajezhnoje
GRVS Gornovodnoe
MSHR Mys Shultsa
TEY Ternei
USA0B Ussuriysk Array Site A0B
I45RU USSURIYSK INFRASONIC ARRAY REFERENCE POINT
USK Ussuryisk
VLA Vladivostok
ZMN Zimniki
Pskovskaya Oblast'
NE52 Pskov
AGYR Agha
ARXR Arkhyz
BVTR Bavtugai
BEYR Belyy Ugol'
GL1R Gelendzhik
GROC Groznyy
GUZR Guzeripl'
NCK Nalchik
NEUR Neytrino
NEY Neytrino
PEA0 opavlovsk-Kamchatskiy kiy Array Site A0
PEA1 opavlovsk-Kamchatskiy kiy Array Site A1
PEA2 opavlovsk-Kamchatskiy kiy Array Site A2
PEA3 opavlovsk-Kamchatskiy kiy Array Site A3
PEB1 opavlovsk-Kamchatskiy kiy Array Site B1
PEB2 opavlovsk-Kamchatskiy kiy Array Site B2
PEB3 opavlovsk-Kamchatskiy kiy Array Site B3
PEB4 opavlovsk-Kamchatskiy kiy Array Site B4
PEB5 opavlovsk-Kamchatskiy kiy Array Site B5
PXTR Popov Hutor
PYA1 Pyatigorsk
TPSR Tuapse
USRK Ussuriysk Ar. Beam Pt.
USA0 Ussuriysk Array Site A0
USA1 Ussuriysk Array Site A1
USA2 Ussuriysk Array Site A2
USA3 Ussuriysk Array Site A3
USB1 Ussuriysk Array Site B1
USB2 Ussuriysk Array Site B2
USB3 Ussuriysk Array Site B3
USB4 Ussuriysk Array Site B4
USB5 Ussuriysk Array Site B5
Saint-Petersburg
PUL Pulkovo
Sakha
ALDR Aldan
ACHS Amedichi
AYK2 Artyk
ATKR Artyk
BTGS Batagay
YBGR Belaya Gora
BLSR Buluus
CGD Chagda
YCRN Chernyshevskiy
CKH Chokchoi
CL1S Chul'man
CLNS Chul'man
DEPR Deputatskiy
DUYS Dunai
IENR Iengra
KBKS Kabaktan
UL2S Kamenistyi
KNGL Kangalassy
KHG Khandyga
KHNR Khani
KHN Khani
AY1S Kobdi
KYU Kyusyur
MOMR Moma
NGRS Nagornyi
NAYS Naiba
NRGR Nerungri
NYG Neryungri
NZD Nezhdaninsk
NBS Nizhniy Bestyah
OLMR Olekminsk
AY2S Ozernaya
PDY Peleduy
PDYAR Peleduy Array Beam Reference Point
PDY31 Peleduy Array Site 31
PDYA0 Peleduy Array Site A0
PDYA1 Peleduy Array Site A1
PDYA2 Peleduy Array Site A2
PDYA3 Peleduy Array Site A3
PDYB1 Peleduy Array Site B1
PDYB2 Peleduy Array Site B2
PDYB3 Peleduy Array Site B3
PDYB4 Peleduy Array Site B4
PDYB5 Peleduy Array Site B5
SAYS Saidy
SSYS Sasyr
SOTR Stolb
SYL Syllakh
TBGR Tabaga
TBK Tabalakh
TML Taimylyr
TLIS Tenkeli
TIK Tiksi
TIXI Tiksi
AY3S Tungusskii
TNDR Tynda
UL1S Tyubelyakh
USMR Ust'-Maya
UNR Ust'-Nera
UNR1 Ust'Nera (new)
YVAM Verhnyaya Amga
VTM Vitim
VTMR Vitim
YAK Yakutsk
YRG Yaruga
YUB Yubileniya
YKLR Yuktali
ZYR Zyryanka
Y868
Y457
Y458
Y778
Y765
Y769
Y451
Y770
Y766
Y617
Y452
Y613
Y772
Y774
Y455
Y867
Y610
Y453
Y771
Y863
Y860
Y773
Sakhalinskaya Oblast'
BLSS Belie Skali
BSK4 Belie Skalie
CHST Chistovodnoe
ESU Esutoru
FRSO Firsovo
GLVR Golovnino
GOY Gornyy
KLN4 Kalinino
KHLM Kholmsk
KOS Kosmodemyansk
KUR Kuril'sk
LAGR Lagunnoye
LSN4 Lesnoe
LES Lesozavodsk
MLK4 Malkovo
MLK* Malo-Kuril'sk
MAU Matua
KRS4 Mayak Korsakovskie (Korsakov)
MNDR Mendeleevo
NEVR Nevel`sk
NGLR Nogliki
NGLS Nogliki
NVV Nyvrovo
OKH Okha
OOT Ootomari
OSMR Ostromysovka
OTI Otiai
OZHR Ozhidaevo
OJD4 Ozhidaevo
PETS Petropavlovskoye
REI Reidovoe
SKR Severo-Kuril'sk
SKT* Shikotan SHO
SHO Shikotan
SKK Sikka
SIU Simushir
GRPR Tuman
TYV Tymovskoe
UGL Uglegorsk
UTSR Utesnoe
ZLDR Utesnoe
YUK Yuzh-Kuril'sk
YSS Yuzhno-Sakhalinsk
ZGR4 Zagorskoe
Saratovskaya Oblast'
BELG Belogornoye
SARR Saratov

Severo-Osetinskaya
ARNR Ardon
BTKR Batakoyurt
DIGR Digorskoe uzhel'e
KMGR Komgaron
KMSR Komsomolskaya
KORR Kora
LACR Lac
LSNR Lesken
PRTR Priterechnaya
STDR Stavd-Durt
SNJR Sundja
TRKR Terskaya
ZEI Tsey
VLKR Vladikavkaz
Stavropol'skiy Kray
DOMR Dombai
GOF Gofitskoye
GUMR Gum-Bashi
KBZ Khabaz
KIV Kislovodsk
KVAR Kislovodsk Array Beam Reference Point
KIV0 Kislovodsk Array Site 0 KVAR
KIV1 Kislovodsk Array Site 1
KIV2 Kislovodsk Array Site 2
KIV3 Kislovodsk Array Site 3
KUBR Kubataba
KBTC Kuba-Taba
NAGR Nagutskaya
NVNR Nevinnomyssk
PYA Pyatigorsk
SHAR Shatzhatmas
SHA1 Shidzhatmaz
STRR Strizhament
Sverdlovskaya Oblast'
ARU Arti
KAUR Kamensk Uralskiy
SVUR Severouralsk
SVE Sverdlovsk
The Chukotsky Autonomous Okrug
LAVR Lavrentia
NSH2 Neshkan
NSH Neshkan, Chukotka
PRVR Provideniya
YLNS Uelen temporary site, Chukotka
Tyva
ERNS Erzin
KNGR Kungurtug, Tuva Republic, Russia
SHUI Shui
TEL Teeli
TDJR Todzha
UER Ust'-Elegest
Voronezhskaya Oblast'
VORD Divnogorie
LPSR Galich'ya Gora
VRHR Novokhopersk
VRH Novokhopyorsk
VSR Storozhevoye
VRSR Storozhevoye
VORR Voronezh
VOR Voronezh
Yevreyskaya Avtonomnaya Oblast'
KNGS Khingansk
KLR Kul'dur

Ryukyu Islands
JHTJ Haterumajima
JIRJ Irabujima
JIRU Iriomotejima-uehara

Sabah
SPMM Sapulut

Saitama
JHU2 Hanno

Sakha
DN01 Denisovskaya, Sakha
DN03 Denisovskaya, Sakha
DN02 Denisovskaya, Sakha

Sakhalinskaya Oblast'
YSAH Yuzhno-Sakhalinsk, Sakhalin, Russia

Samarskaya Oblast'
BT1 Baytugan-1

Sarawak
BNMM Bakun

Saudi Arabia
ABHA Abha
ABAR Abu 'Arish
URD13 Abu Rakah
URD14 Abu Rakah
URD15 Abu Rakah
URD04 Abu Rakah
BAHS2 Abu Rakh
DRBS Ad Darb
AFIF Afif
AFFS `Afif
NHFOF Ain Dar Gosp
ARIRA AirJ
FGALY Al Ais
HIL01 Al Amaaer
URD07 Al Anba
BADA Al Bad`
BDAS Al Bad`
BRK03 Al Birk
BRK04 Al Birk
BRK02 Al Birk
BRK01 Al Birk
DWDS Al Duwadimi
URD05 Al Faraah
AKWA Algayed
HASTF Alhafirah
HANO Al Hamad
HWYS Al Hawiyah
HOFOF Al Hofuf
HIL02 Al Hulayfah
NRYS Al Jubail
KAMS Al Khamasin
KHRJ Al Kharj
LITH Al Lith
LTHS Al Lith
MHDS Al Mahd
MJMS Al Majmaah
MJMA Al Majma`ah
MURBA Al Muraba'a
MWLHS Almuwaylih
QLABS Al Qalibar
TRAS Al Qrash
QNFDS Al Qunfudhah
QNF01 Al Qunfudhah
QNF02 Al Qunfudhah
QREAT Al Qurrayyat
SHRA Al Sharaya
SODA Al Sooda
URD03 Al Ula
URD02 Al Ula
AYN Al`Uyaynah
KFJS1 Al Wafrah
WAJH Al Wajh
EWJHS Al Wajh
WANAN Al Wanan
AMGES AMGES
NAMS An Nimas
NARAR Arar
SARAR Arar
ARSS Ar Rass
NSAFS Ar Rayis
RAYN Ar Rayn
HIL04 Ash Shaalaniyah
HIL03 Ash Shuqayq
BJDH Asilah
ASIR1 ASIR1
ASIR2 ASIR2
ASIR3 ASIR3
ASIR4 ASIR4
ASIR5 ASIR5
TAIF At Ta'if
AYUS `Aynunah
BADR Badr
BARA Bahrah
BHRA Bahrah
BAHS BAHS
BLJS Baljurashi
BESHS BESHS
BIDS Bi'r al Bayda'
KBR13 Birmah
BMSH Bir Mashi
BISH Bishah
DESA DESA
DHR Dhahran
DHJN Dharan Janob
NDEBA Dheba
DBAS Duba
ENMS ENMS
ETH01 ETH01
ETH02 ETH02
ETH03 ETH03
ETH04 ETH04
ETH05 ETH05
ETH06 ETH06
ETH07 ETH07
ETH08 ETH08
FRAS Faraa
FRSS Farasan al Kabir
FRDH FRDH
GHASH GHASH
GHMGH GHMGH
HKNS Hadbat Hakran
HBTS Hafar Al Batin
HILS Ha'il
HAJR Hajar
HLBN Haleban Array Beam Reference Point
HAQS Haql
HQL Haql
NHRD Haradh
URD10 Hayder
HRML HRML
HTM01 HTM01
HTM02 HTM02
HTM03 HTM03
HTM04 HTM04
HTM05 HTM05
HTM06 HTM06
ALWS Ilw as Safayhah
JMOS Jabal al Moallq
FRJS Jabal Farasan
LBNS Jabal Laban
JMQS Jabal Moqyreh
JAZS2 Jazan
JEDS Jeddah
JAZS Jizan
JIZN Jizan
JOFS JOFS
JURS JURS
KFJS Khafji
KFJS2 Khafji
KMSA Khamasin
KMTA Khamis Mushayt
KMTU Khamis Mushayt KMTA
KBR05 Khaybar
KBRS Khaybar
KBR10 Khaybar
KBR09 Khaybar
KBR01 Khaybar
KBR02 Khaybar
KBR08 Khaybar
KBR07 Khaybar
KBR03 Khaybar
KBR04 Khaybar
NUMJS Khuff
KHLS Khulais
KHLS2 Khulais
KURES Khurais
KAUST King Abdullah University of Science and Technology
KNGHS KNGHS
KRABS KRABS
LNY01 LNY01
LNY02 LNY02
LNY03 LNY03
LNY04 LNY04
LNY05 LNY05
LNY06 LNY06
LNY07 LNY07
LNY08 LNY08
LNY09 LNY09
LNY10 LNY10
LNY11 LNY11
LNY12 LNY12
LNY13 LNY13
LNY14 LNY14
LNY15 LNY15
LNY16 LNY16
LNY17 LNY17
LNYS LNYS
MDRAS Madrakah
MADS Madsous
MKHL Mahalah
MKNA Makna
MSTR Mastorah
MDRK2 MDRK2
MYKS Mirrayikh
MZLS Mizel
MQLS MQLS
MOHS Muhayil
NJRNS Najran
NAJS Najran
BODY Near Bada
MATS Near Sharaf
NLITH NLITH
NSKAK NSKAK
NTAIM NTAIM
OLAS OLAS
QASM Qassim
QURS Qurayyt al Milh
SRFHA Rafha
RYNS Ranyah
RNYS Ranyah
RHT01 RHT01
RHT02 RHT02
RHT03 RHT03
RHT04 RHT04
RHT05 RHT05
RHT06 RHT06
RHT07 RHT07
RHT08 RHT08
RHT09 RHT09
RHT10 RHT10
RHT11 RHT11
RHT13 RHT13
RHT14 RHT14
RHT15 RHT15
RHT16 RHT16
RHT17 RHT17
RHT18 RHT18
RHT19 RHT19
RHT20 RHT20
RHWAS RHWAS
RYDS Riyadh
RYD Riyadh
RQBS RQBS
RMAH Rumah
SADE1 SADE1
SADE2 SADE2
FRSS2 Sair Farasan Island
SRAT Sarat Abidah
KBR12 Shajwa
KBR11 Shajwa
SHRF Sharaf
SRFA Sharaf
SHBH1 SHBH1
SHBH2 SHBH2
SHQRE Shigry
SHOFU Shofu
SHRS SHRS
URD12 Shuwaq
URD06 Shuwaq
SMAN Sihmah
SSKAK SSKAK
STAIM STAIM
SALT Sultana
QSMS Sumairaa
TBKS Tabuk
TAF1 Taif
TATS Tathlith
URD11 Tayma
TAYS Tayyib Ism
TRAF Turaif
WELAS Turaif
UMJ01 UMJ01
UMJ02 UMJ02
UMJ03 UMJ03
UMJ04 UMJ04
UMJ05 UMJ05
UMJ06 UMJ06
UMJ07 UMJ07
UMJ08 UMJ08
UMJ09 UMJ09
UMJ10 UMJ10
UMJ11 UMJ11
UMJ12 UMJ12
QYSM Um Kedad
SUMJS Umluj
UMJ13 Umluj
UMJS Umm Lajj
UQSK `Uqlat as Suqur
URD01 URD01
WBHS Wadi `Ibn Hashbal
HASS Wahat al Ahsa'
WASL Wasel
WASQA WASQA
WSKAK WSKAK
WTBKS WTBKS
RYNBS Yanbu
YNBS Yanbu` al Bahr
YLMLM YLMLM
DJNS Zahran al Janub
ASYS
YOBS
WJHS
SLWS
SHMS
SHBS
RSHS
LYLS
JLOS
HRDDS
FDAS
BTHS
BOQSS
DARB
HQLS

AFIFT Afif - temporary
RAYNT Ar-Rayn - temporary
BISHT Bisha - temporary
HALMT Hadabat Al-Mahri - temporary
RANIT Raniyah - temporary
RIYDT Riyadh - temporary

Severnaya Zemlya
SVZ Severnaya Zemlya
Severo-Osetinskaya
ARDK Ardon
CIKK Chikola
FIGK Fiagdon
KARK Karmadon
KLKK Kolka
MRMR Majramadag
VLDK Vladikavkaz
ZAMK Zamankul

Sichuan
PZH PanZhiHua

Singapore
BTDF Bukit Timah Dairy
SING Singapore

Spratly Islands
KIPH Kalayaan

Sri Lanka
COC Colombo
HALK Hakmana
MALK Mahakanadarawa
PALK Pallekele

Stavropol'skiy Kray
ALER Alexandrovskoye
GOFR Gofitskoye

Sverdlovskaya Oblast'
ARTI Arti

Syria
KOOC Abou Kooc
RABH Abou Rabah
ARNB Al Arnab
BSHR Al Beshri
BIDA Albida
JHLN Al Jahlan
MZRK Al-Mazaregh
MNKR ALMNKUR
SLMH Al Salmeh
WHAB Al Wahab
BDRN Badran
BRBR Barbar
BTCH Batrach
DUSS Damascus University
DRBT Darb Altahta
DRWC Darouich
HAWK Haweek
KBSD Kabsdagh
KSRV Kasrt alli
KFRA Kufra
QASN Qassioun
MARH Ras Al Marh
SALA Sala
SLNF Slenfeh
SFNV Sufian
TCHB Talchebab
ROOS tl_alroos
TOTH TOTAH
WRDH Warideh
ZALF Zalf

Taiwan region
ALS Alishan
ANP Anpu
EAST Anshuo
EAHA Aohua
ZPLA Ao Xicun
BGSB Baguashan
TQ101 Baiyang Downstream
TQ100 Baiyang Upstream
YXBM Banmiancun
WCS Beigang Elementary School
TWGBT Beinan
TQ02 Buluowan
ECBN Changbin
WCH1 Changhua City
WCH Changhua City
CHKH Chenggong
CHKT Chengkung
TWY Chenhua
TWD Chiawan
CHY Chiayi
TSCK Chigu Township
KNMB Chin-men Tao
ECS Chishang
CHN6 CHN6
TWR Chutung
SCST Cishan
WDJ Dajia District, Taichung City
TQ01 Dali
WDT Danda
NTST Danshui
XPSS Dashiqiu
LATG Datong
NNSH Datong
NNSB Datong
NDT Datong Township
TAWH Dawu Township
WLTB Daxi
EDH Donghe
TQ00 Dong Hua
DSXP Dongshan
NDS Dongshan
DHTZ Dongzhaishan
WDL Douliou City
WDLH Douliu
WDGT Dungji
TWDS Dungshr Township
LIOB Emei
EOS1 EOS1
EOS2 EOS2
EOS3 EOS3
EOS4 EOS4
RLNB Erlin
SCZT Fangliau
WCKO Fanlu
TWE* Feng-lin
WARBT Fenglin Township
FULB Fuli
FUSB Fushanzhiwuyuanguanzhi
FUSS Fushou
ETL Fush Village
SXI1 Grass Mountain
EGFH Guangfu
KSHI Guanxi Township

Code	Station Name	Other
TQ06	Guanyuan	
WGK	Gukeng	
TNGL	Gungliau Township	
WRL	Guolierlin High School	
DPDB	Guoxing	
WSSB	Gushan	
EHD	Haiduan	
WHF	Hehuan Shan	
EHC	Hejung	
TSEB	Hengchuen, Pingtung county	
TWK1	Hengchun	
HEN	Hengchun	
TWKBT	Hengchun	
EHP	Heping Village	
PTMZ	Houxiangcun	
TWP	Hsiaoliuchiu	
WLCT	Hsiaoliuchiu	
HSN	Hsinchu	
SBCB	Hsinchu	
HSN1	Hsinchu	
SGK	Hsinkong	HSI
HSI	Hsinkong	
TWK	Hsinying	
HWAP	Hualien Port	
PNTK	Humangqian	
EHY	Hungye	
HWA	Hwalien	
ILA	Ilan	
YLA	Ilan	ILA
AXDP	Jialang	
SCLT	Jiali	
LYJJ	Jianjiangzhen	
EGA	Jian Township	
SGST	Jiashian	
TEGC	Jichi Village	
SGLT	Jiouru	
TQ05	Kalabao	
KAU	Kaohsiung	
SNJT	Kaohsiung City	
KAUP	Kaohsiung Port	
KLUP	Keelung Port	
KNM	Kinmen	
TWS1	Kuangyinshan	
TWX	Kuosheng	
NWRT	Kuosheng	
TWI	Lanshu	
LYUB	Lan-yu	
LAY	Lan-yu	
ELDTW	Lidau	
MSUT	Lienchiang	
CHN7	Lioujiau	
SLGT	Liugui	
WLCH	Liuqiu	
TWQ1	Liyutan	
LONT	Longtian	
LDUT	Ludao	
TQ14	Luoshao	
TQ03	Lushui	
TWH	Lutao	
WMLT	Mailiao	
TSMG	Majia	
SMST	Manzhou Township	
MASBT	Mashibuluo	
MTST	Matsu	
MATB	Ma-tsu	
TWO1	Meishan	
TWO	Meishan	
NMLH	Miaoli	
NML	Miaoli City	
WNT	Mingjian	
CHN2	Minshiung	
TQ07	Mt. Hehuan	
TWA	Mucha	
ENAH	Nanao	
NANB	Nanao	
ENA	Nanau	
NSTT	Nanjuang	
NPDK	Nanping	
NNS	Nan Shan	
CHN1	Nanshi	
WNT1	Nantou City	
SNW	Nanwan	
NCU	National Central University	
TNOU	National Taiwan Ocean University, Keelung City	
TWE	Neicheng	
TWZ	Neifu	
BACT	New Taipei City	
NACB	Ninganchiao	
ENTT	Nioudou	
PCYT	Pengchaiyu	
PNG	Penghu	
PHUB	P'eng-hu	
PTTC	Pingtan	
TSPT	Pingtung City	
TWG	Pinlang	
VDOS	Pratas Island	
WPL	Puli Township	
WLGB	Puzi	
VCHM	Qimei	
CHGB	Renai	
OWD	Renai	
WUSB	Renai	
HGSD	Ruisui	
SSD	Sandimen	
NSK	Sanguang	
TWB1	Santiao Chiao	
NSY	Sanyi	
TQ103	Shakadang Downstream	
TQ102	Shakadang Upstream	
SSHA	Shanhua	
ESL	Shilin	
NSM	Shimen	
TNSD	Shindian Village	
CHN3	Shinhua	
SLIU	Shizi	
ENLB	Shoufeng	
SHUL	Shoufeng	
ESF	Shoufeng Township	
TWM	Shoushan	
TWM1	Shoushan	
TIPB	Shuangxi	
TQ04	Shuiliandong	
WSL	Shuilin Township	
SSLB	Suanglung	
TWC	Suao	
ESAO	Su ao	
TWCP	Suao Port	
SMLT	Sun Moon Lake	
WSF	Szhu	
WTCT	Ta-ch'eng	
TWT	Tachien	
SANB	Taian	
TCU	Taichung	
WHP	Taichung City	
WWCA	Taichung City	
TCUP	Taichung Port	
ECL	Taimali	
TAI	Tainan	
SNST	Tainan City	
TAI2	Tainan City	
SHHT	Tainan City	
TAP	Taipei	
TAP1	Taipei	
NHY	Taipei	
TATO	Taipei	
TTN	Taitung	
STYH	Taoyuan	
NTY	Taoyuan	
TPUB	Ta-pu	
WTP	Ta-pu	
STYT	Tauyuan	
TWJ1	Tawu	
TAW	Tawu	
TDCB	Techi	
ETM	Tongmen	
NTC	Toucheng	
CHN5	Tsauling	
CHN4	Tsaushan	
WTK	Tuku	
TWQ	Tungshih	
VWDT	VWDT	
VWUC	VWUC	
EHYH	Wanrong	
WWF	Wufeng	
NFF	Wufeng Township	
WFSB	Wu-fen Shan	
NWF	Wu-fen Shan	
NWLT	Wulai	
TWU	Wulai	
EWUT	Wuta	
ZPXH	Xianghu	
SSPT	Xinbi	
NHDH	Xindian District, New Taipei City	
NHW	Xinwu Township	
WHYT	Xinyi Township	
LXIB	Xiulin Township	
ETLH	Xiulin Township	
SXFK	Yanhouchang	
TEYL	Yanliau Village	
YHNB	Yeheng	
MHZQ	Yeshan	
ICHU	Yijhu	
CHN8	Yiju	
YM01	YM01	
YM03	YM03	
YM04	YM04	
YM05	YM05	
YM06	YM06	
YM07	YM07	
YM08	YM08	
YM09	YM09	
YM10	YM10	
YM11	YM11	
YM12	YM12	
PTSB	Yuanli	
WYL	Yuanlin Township	
SLBB	Yuanshan	
TYC	Yuchr	
TWF1	Yuli	
TWF	Yuli	
EYUL	Yuli	
YULB	Yu-li	
TAI1	Yung-k'ang	
YUS	Yu-Shan	
WCHH	Zhanghua	
NCUH	Zhongli	
NJD	Zhudong	
NJN	Zhunan	
WJS	Zhushan	
ZUZH	Zhuzihu	
EGS		
Tajikistan		
AKUL	Akkuyli	
ARDJ	Arjinak	
BLD	Baljuvan	
SAREZ	Barchidev	
BOGI	Bogijuda	
BZN	Bogi-Zagon	
CHLD	Childara	
CSD	Chor-Sady	
CHRDR	Choruk-Darron	
CGT	Chuian-Garon	
CHS	Chusal	
CHGR	Chuyangaron	
DSH	Dushanbe	
DZH	Dzhafr	
DZET	Dzherino	
DZE	Dzherino	
DZT	Dzhirgatal'	
FARK	Farkhor	
GAR	Garm	
GAM	Garm	GAR
GEZAN	Gezan	
GEZ	Gezan	
GHARM	Gharm	
GIS	Gissar	
HAZOR	Hazorchashma	
IGR	Igron	
ISHK	Ishkashim	
ISH	Ishtion	
KFTR	Kaftarguzar	
KLD	Kalaidasht	
KLTT	Kalaidasht	
KNR	Kangurt	
KRU	Karasu	
KHAT	Khait	
KHO	Khorog	
KHR	Khorongon	
KHUD	Khujand	
KHUM	Khumson	
KOMA	Komarou	
KOMS	Komsomolabad	
KUL	Kulyab	
LNA	Lyangar	
MANEM	Manem	
MURGB	Murgab	
MUR	Murgab	
MUP	Murgab	
MUS	Muskinabad	
NRK	Nurek	
OBG	Obi Garm	
OFT	Oftobruy	
PANJA	Panjikon	
PSV	Pishtovo	
RARZ	Rarz	
RGR	Regar	
REG*	Regar	RGR
RAG	Roghun	
SNGI	Sangi-Kar	
SAT	Sang-Tuda	
SGZ	Semigandzh	
SHTS	Shaartuz	
SHAA	Shahritus	
SIMJ	Simiganj	
SMT	Sultan-Mazar	
TDT	Tavil'dara	
TURAT	Turatol	
URT	Ura-Tyube	
VANJ	Vanj	
YAKH	Yakhch	
YAT	Yaldymych	
ZARA	Zarafshon	
ZIM	Zimchurud	
Thailand		
TMDB	BangkokBB_BH_low_level	
BDT	Bhumibol Dam	
CHAI	Chaiyaphum	
CHAT	Chantaburi	
CHBT	CHBT	
CHTO	Chiang Mai	
CHG	Chiang Mai	CHTO
CMMT	Chiang Mai	
CMAR	Chiang Mai Array Beam Reference Point	
CM01	Chiang Mai Array Site 1	
CM10	Chiang Mai Array Site 10	
CM11	Chiang Mai Array Site 11	
CM12	Chiang Mai Array Site 12	
CM13	Chiang Mai Array Site 13	
CM14	Chiang Mai Array Site 14	
CM15	Chiang Mai Array Site 15	
CM16	Chiang Mai Array Site 16	CMAR
CM17	Chiang Mai Array Site 17	
CM18	Chiang Mai Array Site 18	
CM02	Chiang Mai Array Site 2	
CM03	Chiang Mai Array Site 3	
CM31	Chiang Mai Array Site 31	
CM32	Chiang Mai Array Site 32	
CM33	Chiang Mai Array Site 33	
CM34	Chiang Mai Array Site 34	
CM35	Chiang Mai Array Site 35	
CM36	Chiang Mai Array Site 36	
CM04	Chiang Mai Array Site 4	
CM05	Chiang Mai Array Site 5	
CM06	Chiang Mai Array Site 6	
CM07	Chiang Mai Array Site 7	
CM08	Chiang Mai Array Site 8	
CM09	Chiang Mai Array Site 9	
CRAI	Chiangrai	
CHRT	Chiangrai	
CMAI	Chiengmai2	
PHET	Kaeng Krachan	
KBR	Kanchanaburi	
KHLT	Khaolaem Dam	
KHT	Khao Laem Dam	
KHON	Khomkaen	
UBPT	Khong Chiam	
KKTK	Khon Kaen	
KRAB	Krabi	
LPT	Lampang	
LAMP	Lampang	
LOE	Loei	
LOEI	Loei	
MHMT	Maesarieng	
NST	Nakhon Sawan	
NAYO	Nakonayok	
SRIT	Nakonsritamarat	
PANO	Nakornpanom	
NANT	Nan	
NONG	Nongkai	
NNT	Nongplab	
PCT	Pak Chong	
PATY	Pattaya	
PAYA	Payao	
PHIT	Phitsanulok	
PHRA	Phrae	
PKDT	Phuket	
PKT	Phuket	
RNTT	Ranong	
PBKT	Sadao Pong	
SKNT	Sakolnakorn	
SKLT	Songkhla	
SNG	Songkhla	
SRAK	Srakaew	
SRDT	SRDT	
SUKH	Sukhothai	
SURT	Suratani	
SURA	Surathani	
TRTT	Trang	
UBT	Ubonrachathani	
UMPA	Umpang Tak	
UTHA	Uthaitani	
UTTA	Uttaradit	
The Chukotsky Autonomous Okrug		
PVDR	Provideniya	
Tokyo		
JMYK	Miyake Tsubota	
Turkey		
MAYK		
MDIV		
MBOZ		
ABT	Abant	
ADVT	Abdulvahap	
APMY	Acipayam-Denizli	
ADAT	Adana	
ADT	Adana	
AKO	Adana	
SAIM	ADANA	
NARI	Adıyaman-Kahta-Narince	
AZEY	Adıyaman-Merkez-ndere	
AFSR	Afar-Bala (Ankara)	
BYAT	Afyon-Bayat	
KURO	Afyon-Bolvadin-Kurucuova	
AFYO	Afyonkarahisar	
KZIL	AFYON_Kizioren	
DAGI	Agillar	
AGN	Agin	
AGRT	Agri	
KOTA	Agri, Merkez-Kocatas	
DORK	Agrı/Tutak/Dorukdibi	
KAHT	Ahir Dag	
AKCD	Akcadag	
AKCA	Akakaya, Glbaı, Adıyaman	
AKC	Akcakoca	
AKDA	Akdag	
AKDM	Akdamar-Van	
AKS	Akhisar	
AKHS	Akhisar	
AKKT	Akkus	
AKK1	Akkuyu-Mersin	
AKK2	Akkuyu-Mersin	
AKKU	Akkuyu-Mersin	
AKSY	AKSARAY - Altinkaya	
AKTT	Aktoprak	
EAK	Akyaka	
AKY	Akyazi	
ALAN	Alanya-ANTALYA	
ALTN	Altintas	
ALT	Altintas	
CUALT	Altinyayla-SIVAS	
MASR	Amasra-Bartin	
AMSY	Amasya-Merkez	
ANDN	Andirin	
ANTO	Ankara	
ANK	Ankara	
DAD	Ankara	
GOKD	Ankara-Kalecik-Gokdere	
ANTT	Antakya	
ANTB	Antalya	
KEPZ	Antalya-Kepez	
AKUM	Antalya-Kumluca	
ARPR	Arapgir-MALATYA	
AHAN	Ardahan-Merkez-Sulakyurt	
ARMT	Armutlu	
ARKP	Armutlu	
ARST	Arsuz	
ARTV	Artvin	
DRNR	Artvin, Merkez, Deriner Baraji	
ASAT	Asagicarikuru	
AVCI	Avcilar-stanbul	
AVDN	Avdancik/Bursa	
AVNT	Avonos	
AYAZ	Ayas Ky, orum	
AYK	Aydincik	
DDIM	Aydin, Didim	
BAYT	Aydıntepe-Bayburt	
AYKD	Aykdinkavak	
AYS	Ayseler	
AYVA	Ayvalik	
BABD	Babadag-Denizli	
DBAD	Bademkaya	
MIND	Bahce, Osmaniye Turkey	
BKT	Bakacak	
HVHR	Bakirkoy-Istanbul	
BAKL	Baklan-Denizli	
BBAL	Bala	
BALAT	Bala	
IZMR	Balabanlı, demi, zmir	
BLCB	Balcova	
BALB	Balikesir	
KNL	Balıkesir	
BUHA	Balikesir, Burhaniye-Dutluca	
BKES	Balıkesir-Merkez	
STEP	BALIKESIR_Savastepe	
BLKS	Balıkesir-Susurluk-anacık	
BALY	Balya	
BNAZ	Banaz, Uak	
BNT	Bandirma	
BAND	Bandırma, Balıkesir	
BTIN	Bartın	
BASK	Baskale_VAN	
BASM	Basmaki-Afyon	
BTMN	Batman	
BTMT	Batman	
MKAM	Battalgazi, Malatya Turkey	
BAYB	BAYBURT	
BMYO	Bayramic-Canakkale	
BBTK	Belbasi	
BRAR	Belbasi Array Beam Reference Point	
BR01	Belbasi Array Site 1	
BR02	Belbasi Array Site 2	
BR03	Belbasi Array Site 3	
BR31	Belbasi Array Site 31	BRAR
BR04	Belbasi Array Site 4	
BR05	Belbasi Array Site 5	
BR06	Belbasi Array Site 6	
BR00	Belbasi Site	BRAR
BLNT	Belen	
BSIR	Belisirma, Guzelyurt, AKSARAY	
BERE	Bereket-Mersin	
BEST	Besiri	
BEYT	Beykoz	
BIGA	Biga-Canakkale	
BILE	Bilecik/Merkez-Dede RL	
HISA	Bilecik-Osmaneli-Hisarcık	
BINT	Bingol	
BGOL	Bingol	
MCKZ	Bingol	
BNGL	BINGOL	
BNGB	Bingl	
SLHN	Bingol, Solhan-Merkez	
BTLK	Bitlis	
ADCV	BITLIS_Adilcevaz	
BLIS	Bitlis-Merkez	
BODT	Bodrum	
BODM	Bodrum-MUGLA	
BODA	Bodrum, Mula	
BGKT	Bogazkoy	
KIBS	BOLU	
BOLU	Bolu-Merkez-Musluklar	
BOLV	Bolvadin	
BLVD	Bolvadin-AFYON	
DBOC	Borcka	
BCA	Borcka	
KDAG	Bornova	
BOYT	Boyabat	
BYBT	Boyabat	

Code	Station Name	Other
BOY	Boyalica	
BBRN	Bozburun-Marmaris	
BOZC	Bozcaada	
BOZD	Bozcaada-Canakkale	
BZK	Bozkurt	
INCE	Bozkurt, nceler, Denizli	
YOZG	Bozok Univ. Merkez-YOZGAT	
ATAB	Bozova	
AUBOZ	BOZOYUK	
BOZY	Bozyazi-Mersin	
BCK	Bucak	
SULTU	Buldan	
BNN	Bunyan	
BUCA	Burdur, Bucak-Gundogdu	
BRDR	BURDUR-Merkez	
BRGZ	Burgazada	
BRGA	Burgazada-Istanbul	
IGD	Bursa	
BUY	Buyukada	
KRGZ	Buyukada	
BADT	Buyukada	
BASD	Buyukada	
BUYA	Buyukada-Istanbul	
BUYK	Buyukcekmece-Istanbul	
BECE	Buyukeceli-Mersin	
KIZO	Buyukkizoglu-Ladik(Samsun)	
BYZN	Byzanz	
KESK	abatobası, Keskin, Kırıkkale	
MENG	Caglayancerit, KahramanMaras, Turkey	
DNZL	Cakiroluk	
CLDR	Caldiran	
CMRD	Camardi-Nigde	
CAME	Cameli-Denizli	
CMDR	Camlidere-ANKARA	
COMU	Canakkale	
CANB	Canakkale	
KOCA	Canakkale, Ayvacik-Kocakoy	
BAYC	CANAKKALE_Bayramic	
ECEA	Canakkale, Eceabat-Seddulbahir	
GOKA	anakkale-Gkeada	
CANM	Can-anakkale	
CAND	Candarli	
RFT7	Candarli	
CANT	Cankiri	
CTK	Catak	
ELBA	Catalca	
CTTX	Catalca	
CTT	Catalca	
CATL	atalca, stanbul	
ECAT	Cat-ERZURUM	
CAVTT	Cavuskoy	
CAVI	Cavuskoy	
CHAY	Cayeli-Rize	
CHOM	Cayeli-Rize	
MYES	Celikhan, Adiyaman Turkey	
CEM	Cemisgezek	
RFT3	Cesme	
CESE	eme	
CEYT	Ceyhan	
CDAG	Cicekdag	
CIFT	Cifteler, Eskisehir	
CHBY	Cihanbeyli	
CINR	Cinarcik Cinnet	
SBT1	Cinarcik-Koru-Yalova	
CNKL	ınarlı, anakkale	
CIN	Cine	
CRLT	Corlu	
CRLU	Corlu-Tekirdag	
CORM	Corum	
CTKT	Corum	
COAL	Corum-Alaca	
KAGI	orum-Kargı	
CTAK	Corum_Osmancik	
SUNG	orum-Sungurlu-Tatlısu	
CUKT	Cukurca	
CNDA	Cunda Adasi Ayvalik Balikesir	
CUND	Cunda Adasi-Balikesir	
CNGT	ngs	
BALT	Daday	
DALT	Dalyan (Mudla)	
DALY	Dalyan (Mula)	
DARE	Darende-Malatya	
DAT	Datca	
DATC	Datca-Mugla	
DLMC	Delmece	
DEMI	Demirci	
DDEM	Demirkent	
DKP	Demirkopru	
DMK	Demirkoy	
DMT	Demirtas	
DEMR	Demre-Antalya	
UZP	Denizli	
DENT	Denizli	
CAEL	Denizli, Cameli-Kalinkoz	
TAVA	DENIZLI_Tavas	
DNIZ	Denizli-Tavas-Kızılcablk	
DERT	Derbent	
DNZT	Dereazı, Tavas, Denizli	
DERS	Dereboslan, Eskıpazar, Karabk	
DVR	Devrek	
DIDI	Didim-Aydin	
DKL	Dikili	
IZMD	Dikili, Delikta, zmir	
DIKM	Dikmen	
MIMR	Divri	
DYDN	Diyadin	
DYBB	Diyarbakir	
DIYA	Diyarbakir	
DIY	Diyarbakir	
KKOY	Diyarbakır	
HANI	Diyarbakir_Hani	
MTOP	Dogansehir, Malatya	
MDYL	Doganyol-Malatya	
DRTT	Dortyol	
DORT	Dortyol-Hatay	
DGT	Duragan	
DST	Dursunbey	
DRB	Dursunbey	
DURS	Dursunbey	
YIGI	Dzce	
EASY	Easy	
EDT	Edincik	EDC
EDC	Edincik	
EDRB	Edirne	
CAVK	Edirne/Enez-Cavuskoy	
KESN	Edirne-Kesan	
YAYO	Edremit, Balıkesir	
BAGO	Egridir - ISPARTA	
ELA	Elazig	
ELZG	Elazig	
ELZ	Elazig	
KOVA	Elazig, Kovancilar-Tepebag	
ELDT	Eldivan	
EATA	Eleskirt	
ELL	Elmali	
RFTC	Emecik-Datca	
EMET	Emet, Ktahya	
ENEZ	Enez	
ENGR	Engrck, Gemlik, Bursa	
ERBA	Erbaa	
ERBG	Erbaa-TOKAT	
ERCV	ERCIS-VAN	
ERCT	Erciyes	
ERD	Erdek	
MEST	Erdemli	
ERIK	Erikli-Kesan	
ERMK	Ermenek	
KRDT	Erzincan	
ERZN	Erzincan	
EZC	Erzincan	
ERZM	Erzurum	
ERZT	Erzurum	
ERZ	Erzurum	
EZM	Erzurum	
EMRE	Erzurum,Aziziye	
KRIK	Erzurum-spir	
ATA5	Erzurum, Merkez	
EJDE	Erzurum, Palandoken	
EDAM	rum-Palandoken-Deprem rem Arastirma Merkezi	
ERZC	Erzyncan	
SBT5	Esenkoy-Cinarcik-Yalova	
ESKY	Esenkoy-Cinarcik-YALOVA	
ESNK	Esenky, ınarcık, Yalova	
ESEN	Esenky, Nazilli, Aydın	
ESE	Esentepe	
LMOS	Esentepe-Goktepe-KARAMAN	
ESKT	Eskisehir	
BORA	Eskisehir	
SGAZ	Eskisehir, Seyitgazi-Dogancayir	
EYL	Eskiyayla	
SEYT	Eskypehyr	ESKT
HARTU	Esme	
ESPY	Espiye-Giresun	
EZN	Ezine	
EZNE	Ezine-Canakkale	
FAT	Fatmalar	
FEKT	Feke	
FETY	Fethiye	
FETI	Fethiye-Mugla	
RFT6	Fevzi Cakmak	
FSTK	Fistikli	
RFT5	Foca	
FOCM	Foa	
BAGT	Foa	
FUTB	Futbol	
GARD	Gard house	
GZT	Gaziantep	
GAZ	Gaziantep	
GZTT	Gaziantep	
SOFT	Gaziantep	
GZKV	Gazikoy-Tekirdag	
GAZK	Gazikoy-TEKIRDAG	
GAZI	Gazipasa	
GBZE	Gebze	
GEB	Gebze	
GBZT	Gebze	
LAFA	Gebze-Kocaeli	
GEDT	Gedikpinar	
GDZ	Gediz	
GEDZ	Gediz	
GEMT	Gemlik	
GEML	Gemlik-BURSA	
GRDE	Gerede-Bolu	
GEVA	Gevas	
SINE	GEYIKLI-TUNCELI	
ALUC	Giresun/Alucra	
GRSN	GIRESUNGRSN	
GLHS	Glhisar (BURDUR)	
GOKC	Gokceada-Canakkale	
GOAD	Gkeada, anakkale	
GOLE	Gle, Ardahan	
GOLH	Golhisar	
GOMA	Golmarmara-Manisa	
GLP	Golpazari	GPA
GPA	Golpazari	
GET	Gonen	
ATIT	Gnen	
GONE	Gonen-Balikesir	
GORD	Gordes-Manisa	
GYN	Goynuk	
GULA	Gulagac	
GULE	Gulek	
GULF	Gulfidan-Ladik(Samsun)	
GPNR	Gulpinar-Canakkale	
GULT	Gulveren	
GMLD	Gumuldur	
GUMT	Gumushane	
GDDT	Gundogdu	
GNYT	Guneyli	
CUGUR	Gurin_SVAS	
GURO	Guroymak-BITLIS	
GCAM	Gzelamlı	
SBT2	Guzelce-Avcilar-Istanbul	
GUZE	Guzelce-Buyukcekmece-stanbul	
GADA	Gvkgeada	
HACI	Hacifakili, Akdagmaden, YOZGAT	
HDMB	Hadim	
TUNC	Hafik-SIVAS	
HKR	Hakkari	
HAKT	HAKKARI	
YOVA	Hakkari_Yksekova	
HKOY	Hamitkoy-Ladik(Samsun)	
AGRB	Hanur-Agry	
HARPO	Harpoot	
HTY	Hatay	
ASUZ	Hatay-Arsuz	
HASA	Hatay-Hassa-Hacılar	
RHAN	Hatay/Reyhanlı	
HAVZ	Havza	
HYDR	Haydariye	
HYRS	Hayirsizada Cinnet	
HENT	Hendek	
HRT	Hereke	
HRTX	Hereke-Izmit	
HYBL	Heybeliada	
HYBA	Heybeliada-Istanbul	
HIS	Hisarcik	
HOPA	Hopa-Artvin	
HOMI	Horasan	
IGDI	IGDIR	
ILGA	Ilgaz	
MILC	Ilic	
ILIC	ilic-Erzincan	
ILYS	Iyasky, Yalova	
IKL	Isikli	
COBT	Iskenderun	
ISP	Isparta	
YVAC	Isparta, Yalvac-Ozguney	
EISP	Ispir	
IST	Istanbul	
IST1	Istanbul	
ITU	Istanbul	
ISK	Istanbul-Kandilli	
BEYE	izmir	
DAGE	izmir	
URLA	Izmir	
IZM	Izmir	
DGB	zmir	
ZEY	zmir	
ZEDA	zmir-Bergama	
KARB	zmir-Karaburun	
ZEYE	Izmir, Urla-Zeytineli	
IZN	Iznik	
IZI	Iznik	
IZZE	zzettin, Seydikemer, Mula	
KDHN	Kadinhani	
KMRS	Kahramanmaras	
HCB	Kahramanmara	
KAHM	Kahramanmaras, Dulkadiroglu	
ELBS	KAHRAMANMARAS_ Elbistan	
KAHTU	Kahta	
KAMT	Kaman	
KAVV	Kandilli-Istanbul	
KND	Kandira	
CUKAN	kangal_SIVAS	
RFT2	Karaagac	
KGT	Karabiga	
KRBG	Karabiga-Canakkale	
KBUK	KARABUK-Merkez	
KRBN	Karaburun	
RFT4	Karaburun	
KCT	Karacabey	
KCTX	Karacabey (Bursa)	
SVSK	Karacayir	
EKAR	Karacoban	
KDE	Karadeniz	
KDZE	Karadeniz Ereoli	
KHL	Karahalli	
KHAL	Karahalli	
PASA	Karahalli, USAK	
KARA	Karaisali	
KRMN	Karaman	
KKBE	Karaman, Kazimkarabekir	
KMS	Karamursel	
KRTS	Karatas	
KRTD	Karatas-Adana	
KART	Kargi	
KARG	Kargicak-Mersin	
KRGN	Kargin	
KARO	Karliova-Bingol	
DIGO	Kars	
KARS	Kars	
KRSK	Karsak	
BOZK	Kars-Merkez-Bozkale	
KRTL	Kartal-Istanbul	
AKAS	Kas	
PELI	Kastamonı-Ara	
KAS	Kastamonu	
KMON	Kastamonu	
KAST	KASTAMONU	
CIDE	Kastamonu/Cide-Merkez	
SEYI	Kastamonu-Seydiler	
KVT	Kavak	
BDRM	Kayabasi	
KAYA	Kayacik-Havza(Samsun)	
KYR	Kayrak	
GUNE	Kayseri	
YAHY	KAYSERI_Yahyali	
KEB	Keban	
KEBE	Keben-Mersin	
KEKT	Kekliktepe	
KELT	Kelkit	
KLT	Keltepe	
KEMA	Kemaliye	
KEMT	Kemer-ANTALYA	
RFTB	Kemer-Bodrum	
GOKT	Kean, Edirne	
BRTR	Keskin Array Beam Reference Point	
BR101	Keskin Array Site 101	
BR102	Keskin Array Site 102	
BR103	Keskin Array Site 103	
BR104	Keskin Array Site 104	
BR105	Keskin Array Site 105	
BR106	Keskin Array Site 106	
BR131	Keskin Array Site 131	BRTR
BRMAR	Keskin MP Array Beam Reference Point	
BR231	Keskin MP Array Site 231	BRMAR
BR232	Keskin MP Array Site 232	
BR233	Keskin MP Array Site 233	
BR234	Keskin MP Array Site 234	
BR235	Keskin MP Array Site 235	
BR236	Keskin MP Array Site 236	
BR237	Keskin MP Array Site 237	
CTKS	Kestanelik-atalca	
KLYT	Kilyos	
KNAL	Kinaliada	
AFYN	Kınık, Dinar, Afyon	
KNIK	Kınık, Seydikemer, Mula	
KRCT	Kiractepe	
RFT8	Kiratli	
KIRA	Kiraz, zmir	
KRH	Kirikhan	
DELI	KIRIKKALE	
AUKIR	Kırka- Seyitgazi ESKISEHIR	
KIRK	Kırklareli	
ARMN	Kirklareli, Merkez-Armagan	
VIZE	Kirklareli, Vize-Akpinar	
MCUR	Kırehir	
AKPI	Kirsehir/Akpinar	
KIRS	Kirsehir-Merkez	
KZCM	Kizilcahamam	
KIZT	Kizilcal	
KAND	Kocaeli-Kandira	
KOL	Kolay	
RUZG	Kolky, Bolu	
EKONA	Konaklı, Erzurum	
ALIN	Konya, Altintekin	
CTIK	Konya-Celtik	
CBEY	Konya-Cihanbeyli	
DOGA	KONYA_Doganhisar	
KERG	Konya-Eregli	
KKUL	Konya-Kulu	
KMER	Konya-Meram	
SEDI	Konya, Seydisehir-Tarasci	
KONT	Konya--Tatoy	
KOPT	Kop Dagi	
KOPR	Koprukoy-ERZURUM	
KORT	Korkueli	
KORK	Korkuteli	
KOUK	Koru-Cinarcik-YALOVA	
KYHL	Koyulhisar-SIVAS	
KYND	Koyundere	
KOZK	Kozakli-Nevsehir	
KOZT	Kozan	
KOZTB	Kozan	
KULA	Kula-Manisa	
KULC	Kulculer Bayramic Canakkale	
KULU	Kulu	
KUMB	Kumbag-Suleymanpasa-TEKIRDAG	
SBT4	Kumbag-Tekirdag	
ASYA	Kumbag-TEKIRDAG	
MARK	Kumluca	
KUPE	Kupecik-Ladik(Samsun)	
KURN	Kurna	
KRTT	Kurtkulagi	
KURC	Kurucasile-Bartin	
KUSD	Kusadasi-Aydin	
KUTH	Kutahya	
AUKUT	KUTAHYA	
DOMA	Ktahya-Domani	
ANDZ	Kutahya, Merkez-Andiz	
KUZU	Kuzuini	
LADK	Ladik-KONYA	
LPK	Lapseki	
LAPK	Lapseki-CANAKKALE	
LAPS	Lapseki, ANAKKALE	
LICE	Lice-DIYARBAKIR	
LOD	Lodumlu	
MDNT	Maden	
MDUR	Maden, Elazı	
MYA	Malataya	
MLTT	Malatya	
MALT	Malatya	
HEKM	Malatya_Hekimhani	
MAYA	Malatya/Merkez	
MLAZ	Malazgirt-MUS	
SGTM	Malkara	
KYSD	Maltepe/Istanbul	
MNVG	Manavgat-Antalya	
MANT	Manisa	
CMHT	Manyas	
MARD	Mardin	
MIDY	Mardin/Midyat-Merkez	
MRMT	Marmara Adasi	
MADA	Marmara adası, Balıkesir	
MAR1	Marmaraadasi Cinnet	
BOTS	Marmara Ereglisi-Tekirdag	
SBT3	Marmara-Ereglisi-Tekirdag	
MAEG	Marmara Ereglisi-TEKIRDAG	
SB02	Marmara Sea	
MRSB	Marmaris-Mugla	
MAR2	Marsite Station 2 Hoskoy	
MAR4	Marsite Station 4	
MAR8	Marsite Station Cinarli Koyu	
MAR3	Marsite Station Guzelkoy	
MAR6	Marsite Station Kirazli	
MAR9	Marsite Station Marmara Adasi	
MAR7	Marsite Station Mursalli	
MAR5	Marsite Station Ucmakdere	
MRTI	Martiadasi	
MAZI	Mazidag	
RFTAA	Mazikoy-Bodrum	
MGN	Mengen	
CAMT	Merkez	
DED	Mersin	
KIZK	Mersin	
MERS	Mersin	
GULN	MERSIN_Gulnar	
MIAN	Miandaros Cinnet	
AUMIH	MIHALICIK	
MLSB	Milas	
IMRA	Mudanya	
MDNY	Mudanya-Bursa	
MUT	Mudurnu	
MDUB	Mudurnu	
MDU	Mudurnu	
MULA	Mugla, Merkez-Ikizce	
MRFT	Murafatepe	
MURA	Muratlı, Tekirda	
MFT	Murefte	
MUSM	Mu-Merkez	
NAL	Nallihan	
KHMN	Narli-Kahramanmaras	
NART	Narlikuyu	
NAZL	Nazilli-Aydin	
AVNS	Nevsehir-Avanos	
NIG	Nigde	
BSTP	Nigde	
NIDE	Nigde/Merkez-Gumusler	
NZIP	Nizip/Gaziantep	
NRTH	North beach	
ODEM	Odemis-Izmir	
OILH	Oil house	
EOLT	Oltu	
ORDU	Ordu-Boztepe	
OREN	Orenkoy-Mersin	
ORLT	Orhaneli	
ORHG	Orhangazi	

Code	Station Name	Other
ORH	Orhaniye	
OSMT	Osmaniye	
KAMA	Osmaniye	
RFTD	Palamutbuku-Kayakoy-Datca	
PLU	Palu	
MGND	Pazarcik, Kahramanmaras Turkey	
PZAR	Pazar-Rize	
DOGC	Pehlivankoy-KIRKLARELI	
PERT	Persembe	
PRSB	Persembe-Ordu	
PTK	Pertek	
PIRH	Pier house	
PINB	Pinarbasi	
PHSR	Pinarhisar	
POLA	Polatlı, Ankara	
EPOS	Posof	
POWD	Powder case	
MGUN	Puturge, Malatya	
RAM	Raman	
RFHY	Refahiye, Erzincan	
REFA	Refahiye_ERZNCAN	
RSDY	Resadiye-TOKAT	
REYT	Reyhanli	
IZDR	Rize	
SABU	Sabunlu, Dalaman, Mula	
SFRN	Safran	
SAFT	Safranbolu	
MTYK	Sahinbeyi Gaziantep	
STBT	Saitabat	
GEYV	SAKARYA_Geyve	
SAHE	Sakarya_HENDEK	
KAYN	Sakarya, Kaynarca-Tasoluk	
KTTT	Salihli	
SMDT	Samandagi	
SAMS	Samsun-Alacam	
SNCT	Sancaktepe	
SATE	Sancaktepe, stanbul	
HANM	anlıurfa/Hilvan/Hanmaara	
SANL	SANLIURFA_Merkez	
SURC	SANLIURFA_SURC	
SPNC	Sapanca-Adapazari	
SAPH	Saphane	
SHAP	Saphane-Kutahya	
SARI	SarD1z-Kayseri	
SRCK	Saricakaya, Eskisehir	
CAYT	Sariam	
MSAY	Sarıyakup, Elazı	
CUSAR	Sarkisla-SIVAS	
RKY	Sarkoy-Tekirdag	
SAY	Sayfiye	
RFT1	Sazli	
SCRP	Scyscraper	
SEDF	Sedefadasi Cinnet	
SLMY	Selimiye	
SEMD	Semdilli	
SEMS	emsettin, Krfez, Kocaeli	
SNKY	Senkaya	
SENK	Senkaya-Erzurum	
SAUV	Serdivan-Sakarya	
SERE	Sereflikochisar	
SRFK	ereflikohisar, Ankara	
SERH	Serinhisar-Denizli	
SGT	Sevinc	
SYT	Seydisehir	
SEYD	Seydisehir-KONYA	
SHTH	Shelter house	
SRTM	Siirt_Merkez	
PERV	Siirt/Pervari-Merkez	
SILT	Sile	
SLF	Silifke	
SILI	Silifke-Mersin	
SLFK	Silifke-Mersin	
SLVT	Silivri	
SILV	Silivri-Istanbul	
SVAN	Silvan-Diyarbakir	
SIMV	Simav	
SIMA	Simav-Kutahya	
SMAA	Simav-Kutahya	
SINB	Sinanoba-Istanbul	
SNOP	Sinop	
SINP	Sinop	
BOYA	Sinop/Boyabat-Salar	
SINO	SINOP_Merkez	
SIRT	Sirnak	
SIRN	Sırnak	
SVST	Sivas	
CUAYA	Sivas-Altinyayla-Merkez	
SVRC	Sivrice-ELAZIĞ	
ESGZ	Sivrice-Elazig	
ESIJ	Sivrice-Elazig	
SGKT	Sivrigoynuk	
AUSIV	SIVRIHISAR	
SVRH	Sivrihisar-ESKISEHIR	
SCER	sogukcermik	
SOMA	Soma-Manisa	
SHUT	Suhut-Afyon	
SDAG	Sultandagi-AFYON	
SULT	Sultanhani-AKSARAY	
ENZZ	Sultanice-Enez-Edirne	
SUSE	Susehri	
SLK	Susurluk	
SUSR	Susurluk-Balikesir	
SUSU	Susuz Ky, Bolu, Gynk	
SUTC	Sutluce-Isparta	
TAHT	Tahtakopru-Hatay	
TASB	TASBURUN-IGDIR	
BTAS	Taskesti	
TST	Taslik	
AYDN	Tasoluk	
TATV	Tatvan	
TVSB	Tavsanli	
GELI	Tayfur-Gelibolu	
ETEKE	Tekederesi - Erzurum	
TEKE	Tekeli-Mersin	
TDAG	Tekirdag	
TEKI	Tekirdag	
SART	Tekirdag	
TKR	Tekirdag	
TKTP	Tekketepe	
TEPE	Tepekoy-Mersin	
TEPK	Tepekoy-MERSIN	
TRML	Termal-Yalova	
TSVK	Tesvikiye-Yalova	
TEVE	Tevekalti-Mersin	
TISA	Tisan-Mersin	
TOKT	Tokat	
TOKA	Tokat	
BTOK	Tokmak	
TTK	Tokmak	
DUVT	Torbali	
TOS	Tosya	
KTUT	Trabzon	
TBZ	Trabzon	
MACK	Trabzon	
TNC	Tunceli	
TNCL	Tunceli-Merkez	
TRHT	Turhal	
TRKT	Turkoglu	
KHMR	Trkolu, Kahramanmara	
TURN	Turunc	
MHAV	Tut, Adiyaman, Turkey	
TUTA	Tutak	
AKFT	Tuzla	
TUZL	Tuzla-Istanbul	
TZLA	Tuzla-ISTANBUL	
UCKU	kuyu, Sultandaı, Afyonkarahisar	
ULDT	Uludag	
UNCK	Uncukuru	
URFA	Urfa	
USAK	Uak-Merkez	
UVEZ	Uvezbeli-DUZCE	
EUZM	Uzumlu	
UZU	Uzumlu	
UKOP	Uzunkopru-Edirne	
VANT	Van	
VANB	Van	
VNT	Van	
TVAN	Van	
VMUR	Van-Muradiye	
OZAP	Van, Ozalp-Merkez	
VRT	Varto	
VRTB	Varto-Mus	
VEZ	Vezirkopru	
YKBL	Yakuplu-Istanbul	
YKAV	Yalikavak-Bodrum	
KIYI	Yalıkoy-Catalca	
CTYL	Yalikoy Yolu	
YALI	Yalız, ankırı	
SDSN	Yalova	
CFTB	Yalova	
YLV	Yalova	
YLVH	Yalova	
YALV	Yalova Cinnet	
KURT	Yalova, Merkez, Kurtkoy	
YAMN	Yamanlar	
YARM	Yarimca-Ladik(Samsun)	
YYLC	Yaylacik	
YAYL	Yayladag	
YAYX	Yaylak	
YAZI	Yazıky, Data, Mula	
YEDI	Yedisu-Bingol	
YELT	Yellice	
BCAM	Yenicaga	
YNCM	YENICE	
YENI	Yenice-Canakkale	
YENC	Yenice, ankırı	
YER	Yerkesik	
YESI	Yesilovacik-Mersin	
YESY	Yesilyurt	
MGNB	Yesilyurt, Malatya	
YGTL	Yigitali	
MUGL	Yilanlidag	
YORU	Yoruktepe-Mersin	
YOZ	Yozgat	
SIRC	Yozgat	
CKRK	Yozgat, Cekerek-Merkez	
YUMT	Yumurtalik	
YURE	YUREGIR	
YUVA	Yuva-Kibriscik (Bolu)	
CUZAR	Zara_SIVAS	
ZYBG	Zeytinbag	
AYDB	Zeytinkoy-Aydin	
ZGT	Zonguldak	
DEVR	Zonguldak/Devrek-Atalar	
KMST		

Turkmenistan

ABKT	Ailbek
GEYT	Alibeck
GYA0	ALIBECK ARRAY SITE A0
GYA0B	ALIBECK ARRAY SITE A0B
GYA1	ALIBECK ARRAY SITE A1
GYA2	ALIBECK ARRAY SITE A2
GYA3	ALIBECK ARRAY SITE A3
GYB1	ALIBECK ARRAY SITE B1
GYB2	ALIBECK ARRAY SITE B2
GYB3	ALIBECK ARRAY SITE B3
GYB4	ALIBECK ARRAY SITE B4
GYB5	ALIBECK ARRAY SITE B5
ASH	Ashkhabad
ASHT	Ashkhabad
BAT	Bayram-Ali
CAGT	Chagyl
CHDS	Charjew
GARG	Garrygala
GAUS	Gevers
GZLA	Gyzyletrek
KAH	Kaushut
KAT	Kizyl-Arvat
KRF	Krasnovodsk
MNYS	Manysh
MRY	Mary
NBD	Nebitdag
VAN	Vannovskaya

United Arab Emirates

Abu Dhabi

AJN	Ajban
MZR	Muzera

Fujairah

UOSS	Minazif

Umm Al-Quwain

UMQ	Umm Al-Quwin
ALNE	Al Ain
ASUD	Al Ashush, Dubai
FAQ	Al Faqa, Dubai
DBF	Dibba-Fujairah
MSFE	Esma-Masafi
HATD	Hatta, Dubai
MZWR	Madinat Zayed
NAZ	Nazwa, Dubai
JRN	Qarnain Island
GHWR	Ruwais
SHME	Shamm
SLWR	Sila
ESRB	Sir Abu
UMZA	Um Al Zommool
WAG	Wagan

Uttar Pradesh

BRCH	BAHRAICH
BNDA	BANDA
FRKB	FARRUKHABAD
LKN	LUCKNOW
MERT	Meerut

Uzbekistan

AGL	Agalyk
ALTU	Alat
TRKL	Almalik (Terakly)
ANDJ	Andijan
ANR	Andizhan
YANG	Angren
ANE	Angren
ARNAS	Arnasay
AUR	Aurakhmat
BXML	Bakhmal
BKHM	Baxmal
BAYS	Baysun
BUXR	Bukhara
BSTN	Buston
CHDK	Chadak
CHRV	Charvak
CHET	Chet-Su
CHMG	Chimgan
CHMI	Chimion
DJAN	Djangeldy
DZN	Dzhankel'dy
DZI	Dzhizak
FRG	Fergana
GAY	Galvasay
GZLY	Gazly
JZAX	Jizzakh
KMPR	Kampirabad
KPVT	Kampiravat
KRSA	Karasay
KSNS	Kasansay
KKRN	Kattakurgan
KHV	Khiva
KDK	Khodzhikent
KTAB	Kitab
KOYT	Koytash
KLKU	Kulkuduk
KUMR	Kumaryk
KZLS	Kyzylsau
LNC	Lunacharskoye
MAMA	Mamay
MNGT	Mangit
MINT	Mingtut
NAM	Namangan
NAP	Napay
NZBK	Nazarbek
NUKS	Nukus
NUT	Nurota
PKMR	Pachkamar
PSK	Pskem
SAM	Samarkand
SHAK	Shakhimardan
SOKH	Sox
SUKO	Sukok
THTP	Takhtakupir
TMD	Tamdy-Bulak
TSTA	Tashata
TGS	TashGRES
TGRS	TashGRES
TAS	Tashkent
TVKS	Tavaksay
TTPA	Toytepa
TOYT	Toytepa
KHMS	Xumson
YBZ	Yangibazar
YNGY	Yangiyul
ZRB	Zarabog
ZRF	Zarafshan

Vietnam

BCVB	Bac Can
BGV	Bac-Giang
BVV	Ba Vi
CBVB	Cao Bang
CKVB	Chieng Khoang
CLVV	Chieng Lao
CTVN	Chua Tram
CCVB	Con Cuong
MUVB	Co Noi
DLV	Lat
DLVO	Lat
DBV	Dienbien
DHV	Doan Hung
DSV	Doi Son
HGVB	Ha Giang
HNV	Hanoi
HBV2	Hoa Binh
HBVN	Hoa-Binh
HUV	Hue
MLVB	It Ong
KSVV	Ky Son
LUV	Laichau
LCVN	Lai Chau
LAVN	Lang Chanh
LAVB	Lang Chanh
LNVN	Lang Ngam
LSVB	Lang Son station
MTZV	Met
MCVV	Moc Chau
MLAV	Muong La station
NTV	Nha Trang
NHA	Nha-Trang
PLV	Phu-Lien
NCV	Pung Luong
SPV	Sa-pa
BMV	Son La
SLVN	Son La
TDV	Tam Dao
THV	Thanh Hoa
BC2V	Than Uyen
TIYB	Tien Yen
TTVN	Tram Tau
TGV	Tuan Giao
TLV	Tu Ly
TQV	Tuyen-Quang
VIV	Vinh
VIVB	Vinh
VTVB	Vinh Tuy
YTV	Yen Tu

West Bengal

COBR	COOCHBEHAR
JPG	JALPAIGURI

Xinjiang Uygur Zizhiqu

KSH0	Kashi

Yemen

ADEN	Aden
RADA	Ahram - Rada'a city Al-Baydha Gov. - Yemen
BDHA	Al Bayda'
MUKL	Al Mukalla
MUKH	Al Mukha
UDYN	Al `Udayn
ATAQ	`Ataq
TRBA	At Turbah
DAMY	Dhamar
DHMR	Dhamar
DHBB	Dhamar BB
ERIN	Erian - IBB Gov. - Yemen
HAJJ	Hajjah
HRAD	Harad
HNSH	Hunish Island
ADDN	Jabal Ad Dan - Dhamar Gov. - Yemen
KAMRY	Kamaran Island
MNKH	Manakhah
MARB	Ma'rib
AMUK	Mukalla, MUK
SADA	Sad`ah
SANA	San`a
SYON	Say'un
SOCY	Socotra
SMRH	Sumara - IBB Gov. - Yemen
TAIZ	Ta`izz
LBOA	Yemen, LBO
ASAN	Yemen, SAN
ATRB	Yemen, TRB
UDY	Yemen, UDY
ZBID	Zabid
ZUQR	Zugar Island
ZQRN	Zuqar Island
LBOS	

ATLANTIC OCEAN/ARCTIC OCEAN

Ascension

ASCN	Ascension
H10N1	ASCENSION HYDROACOUSTIC SITE N1
H10N2	ASCENSION HYDROACOUSTIC SITE N2
H10N3	ASCENSION HYDROACOUSTIC SITE N3
H10S1	ASCENSION HYDROACOUSTIC SITE S1
H10S2	ASCENSION HYDROACOUSTIC SITE S2
H10S3	ASCENSION HYDROACOUSTIC SITE S3
ASH19	Ascension Island Hydrophone Array Site 19
ASH21	Ascension Island Hydrophone Array Site 21
ASH23	Ascension Island Hydrophone Array Site 23
ASH24	Ascension Island Hydrophone Array Site 24
ASH25	Ascension Island Hydrophone Array Site 25
ASH26	Ascension Island Hydrophone Array Site 26
ASH27	Ascension Island Hydrophone Array Site 27
ASH29	Ascension Island Hydrophone Array Site 29
I50GB	ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT

Bermuda

BBSR	BB Station
BEC	Bermuda--Columbia
I51GB	BERMUDA INFRASONIC ARRAY REFERENCE POINT
BEN	Bermuda-Navy
PSBMU	Warwick Parish

Faeroe Islands

FHV	Haldarsvik
SOFL	Sornfelli, Faroe Islands
FSD	Sut uroy
FSV	Svinoy
FTO	Torshavn
FVA	Vagar

Falkland Islands

EFI	East Falkland Island
FLK	Falkland Islands
PSF	Port Stanley

Greenland

ASIG	Aasiaat, Greenland
ASSG	Aftenstjerne Lake, Greenland
ANGG	Ammassalik, Greenland
ATTUG	Attu
CCG	Camp Century
CFJ	Citronen Fjord
DBG	Daneborg
DAG	Danmarks Havn
DY2G	Dye2
EGRIP	EGRIP Drilling camp
FFBG	Frank Field Bay,

	Greenland	
GDH	Godhavn	
ICESG	Greenland Icesheet	
HJO	Hjoernedal	
IC-	Ice Cap	IC-GL
IC-GL	Ice Cap	
IS2	Icelocation 2	
ILULI	Ilulissat	
ILUG	Ilulissat, Greenland	
ILG	Inge Lehmann	IC-GL
ISOG	Isortoq, Greenland	
IVI	Ivigtut	
KAGG	Kagssortoq	
SFJD	Kangerlussuaq 2	
SF2	Kangerlussuaq 2	
KTG	Kap Tobin	
KARAT	Karrat, Base Station, Greenland	
KULLO	Kullorsuaq	
KULG	Kulusuk, Greenland	
NRS	Narsarsuaq	
NIAQ	Niaqornat	
NOR	Nord	
NEEM	North Greenland Eemian Ice Drilling site	
NGR	North Grip Drilling Camp	
NUUG	Nuugaatsiaq	
NUUK	Nuuk	
PAAG	Paamiut	
I18DK	QAANAAQ INFRASONIC ARRAY REFERENCE POINT	
RYL	Rypely	
SAATT	Saattut	
SAQQ	Saqqaq	
SA1G	Sarfartoq 1, Greenland	
SA2G	Sarfartoq 2, Greenland	
SA3G	Sarfartoq 3, Greenland	
SA4G	Sarfartoq 4, Greenland	
SCO	Scoresbysund	
SISG	Sisimiut, Greenland	
SOEG	Soedalen	
SFJ	Sondre	
SUMG	Summit	
THU	Thule	
TE-	Thule	TE-GL
THULE	Thule	
TULEG	Thule	
TE-GL	Thule	
UPNV	Upernavik	
UPNG	Upernavik	
UMM	Uummannaq	
UMMG	Uummannaq	
Iceland		
AKU	Akureyri	
AKU-	Akureyri	
IALF	Alftagrof	
IADA	Aoalbol	
IASB	sbjarnarstair	
IASK	Askja	
IASM	Asmuli	
IASO	Asolfsskalaheidi	
IAUS	Austmannsbunga	
BARD	Bardarbunga	
IBEY	Bjarnarey	
IBJA	Bjarnastaoir	
BORG	Borgarnes	
IBRE	Brettingsstaoir	
IBJK	Bruarjokull	
IBRU	Bruarjokull	
IDIM	Dimmadalss	
IDYN	Dyngjuhals	
IDJK	Dyngjujokull	
EGI	Egilsstadhir	
IELE	Ellidaey	
IEDA	Engidalur	
IENT	Enta	
IESK	Eystri-Skogar	
IFAG	Fagurholsmyri	
IFAL	Falljokull	
IFED	Fedgar	
IFLA	Flatey	
IGIL	Gilhagi	
IGLU	Glumsstadir	
IGFL	Graenufjoll	
IGRA	Granastaoir	
IGRI	Grimsey	
IGRF	Grimsfjall	
IGRS	Grimsstaoir	
IGRV	Grindavik	
IGHA	Grjothals	
IGHS	Grjothals	
IGYG	Gygjarholskot	
IHAE	Haedir	
HAH	Hahryggur	
IHAM	Hamarinn	
IHOX	Haoxl	
IHAU	Haukadalur	
IHEI	Heioarbar	
IHEB	Hekla-Austur-2	
IHLA	Hella	
IHED	Heoinshofoi	
IHES	Hestalda	
IHRN	Hraun	
IHUS	Husbondi	
IHVA	Hvannstoosfjoll	
IHVE	Hveravellir	
IIEY	Innrieyrar	
IISS	Isolfsskali	
IJOK	Jokulheimar	
IKAS	Kaldrsel	
IKAL	Kalfafell	
IKSK	Karasker	
IKIS	Kista	
IKRE	Kreppuhraun	
IKVO	Krokottuvotn	
IKRO	Krokur	
IKRI	Krysuvik	
IKUD	Kuludalsa	
IKVE	Kverkfjoll	
IKVI	Kvisker	
ILFE	Lagafell	
ILAG	Lagar	
IHVO	Lagu-Hvolar	
ILEI	Leirhofn	
ILSF	Litla-Skogfell	
LJO	Ljotipollur	
ILOD	Lodnugiljahaus	
IMEL	Melhnausar	
IMIM	Midmork2	
IMID	Miomork	
IMJO	Mjoaskard	
IMKO	Mokollar	
IMOR	Morastadir	
INYL	Nylenda	
IOLF	Oldufell	
IRAH	Raudholl	
IRNE	Reykjanes	
REY	Reykjavik	
IREN	Reynihlio	
IRJU	Rjupnafell	
ISAN	Sandskeio	
ISAU	Saurbar	
ISAX	Saxhamar	
SID	Sida	
ISIG	Siglufjorour	
ISKI	Skildingahlshraun	
ISKR	Skrokkalda	
SLET	Slettubjorg	
ISLY	Slysaalda	
ISMJ	Smjorgil	
ISNB	Snabyli	
ISOL	Solvholt	
ISTE	Stelbrattur	
ISVA	Svartarkot	
ITAG	Taghalsar	
THOR	Thorvaldshraun	
IURH	Urdarhals	
IVAT	Vatnsfell	
IVME	Vestmannaeyjar	
IVEY	Vestmannaeyjar	
IVES	Vestmannaeyjar	
IGOD	VI-GOD	
VIK	Vik	
IVOG	Vogar	
IVOS	Vogsosar	
IVON	Vonarskard	
IVOT	Vottur	
IVSH	V-Sauoahnukur	
Saint Helena		
SHEL	Horse Pasture	
SHLN	Saint Helena Island	
South Georgia Islands		
HOPE	Hope Point	
KEP	King Edward Point	
Tristan da Cunha		
TRIS	Tristan da Cunha	
I49GB	TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	
H09N1	TRISTAN DA CUNHA T-PHASE SITE N1	
H09W1	TRISTAN DA CUNHA T-PHASE SITE W1	
TDC1	Tristan de Cunha	

AUSTRALASIA

Australia		
BEGA	Bega, NSW	
BRSB	Brisbane	
Australian Capital Territory		
RNDA	Aranda	
CAN	Canberra	
CNB	Canberra Magnetic Observatory	
AUDAR	Daramalan College	
KMBH	Kambah	
KOW	Kowen Forest	
AUMHS	Melrose High School	
AUMTS	Mt Stromlo	
AUSIS	Research School of Earth Sciences	
Macquarie Islands		
MCQ	Macquarie Island	
MQI	Macquarie Island	
New South Wales		
ARMA	Armidale	
AVO	Avon	
BWA	Boorowa	
BUDM	Budderoo	
BJEM	Burrinjuck	
BJDM	Burrinjuck Dam	
CAB	Cabramurra	
CBR	Cabramurra	
CAH	Castle Hill	
CTBM	Cataract Bedrock	
CTDM	Cataract Dam	
CAVM	Cavillon	
CHAM	Chaffey Accelerograph	
CHFM	Chaffey Dam	
CMSA	Cobar Meteorology Station	
CMS	Cobar Meteorology Station	
EPSO	Coonabarabran	
COO	Cooney Tunnel	
COPM	Copeton	
CKWL	Crookwell	
DLN	Dalton (NSW)	
AUDCS	Dubbo College Senior Campus	
EUGM	Eugowra	
FTZM	Fitzroy Falls	
GEE	Geehi	
GBBM	Glenbawn Bedrock	
GBAM	Glenbawn Dam	
GLNM	Glennies Creek Dam	
GRVM	Greaves Creek	
GUND	Gundaroo	
HLA	Hall's Lagoon	
INV	Inveralochy	
IVY	Inveralochy	
IVN	Inveralochy	
JBRM	Jenolan Black	
JNL	Jenolan Caves	
JIN	Jindabyne	
KANM	Kanangra Walls	
KPTM	Keepit Bedrock	
KPAM	Keepit Dam	
KHA	Khancoban	
AUKHS	Kincumber High School	
KTLM	Kings Tableland	
WOOD	Lake Woodford	
LER	Lerida	
LBXM	Letterbox	
AULRC	Lightning Ridge	
	Central School	
LTGO	Lithgow	
LHI	Lord Howe Island	
LOSM	Lostock Dam	
LHBM	Lucas Heights	
MGCD	Mangrove Creek Dam	
MKPT	Marks Point, NSW, Australia	
MEG	Meangora	
MILA	Mila	
AUMAG	Moama Anglican Grammar School	
MEA	Monteagle	
MBA	Mount Bingar	
CPXM	Mount Cotopaxi	
AUMUL	Mullumbimby High School	
NARM	Nariel	
NATM	Nattai	
NTLH	Newcastle Hard Rock	
NTLS	Newcastle Soft Rock	
ORNG	Orange	
AUPHS	Peel High School	
PHDM	Pipehead	
REDH	Redhead, NSW Australia	
RIV	Riverview	
SBR	S Black Range	
AUSMG	Snowy Mountains Grammar School, Jindabyne	
SPRM	Split Rock	
STKA	Stephens Creek	
STK	Stephens Creek	
SWAN	Swansea	
DNSO	Sydney	
SYD	Sydney	
SYDH	Sydney Hard Rock	
SYDS	Sydney Soft Rock	
TAO	Talbingo	
TLNG	Tallong	
TALM	Tallowa	
TALL	Tallowa Pump Stn	
AUTKS	The King's School, Parramatta	
TPND	Tumut Pond Dam	
AUUHS	Ulladulla High School, Ulladulla	
WAM	Wambrook	
WGBM	Warragamba	
WDBM	Warragamba Dam	
WER	Werombi	
WOLH	Wollongong Hard Rock	
WRNM	Woronora	
WYA	Wyangala	
YERM	Yerranderie	
YOU	Young	
YNG	Young	
Norfolk Island		
NRFK	Norfolk	
NIA	Norfolk Island	
NFK	Norfolk Island	
Northern Territories		
AUDHS	Darwin High School	
AUKAT	Katherine High School	
AUNHS	Nhulunbuy High School	
Northern Territory		
ASPA	Alice Springs	
ASP	Alice Springs	
ASAR	Alice Springs Array Beam Reference Point	
AS01	Alice Springs Array Site 1	
AS10	Alice Springs Array Site 10	
AS11	Alice Springs Array Site 11	
AS12	Alice Springs Array Site 12	ASAR
AS13	Alice Springs Array Site 13	
AS14	Alice Springs Array Site 14	
AS15	Alice Springs Array Site 15	
AS16	Alice Springs Array Site 16	
AS17	Alice Springs Array Site 17	
AS18	Alice Springs Array Site 18	
AS19	Alice Springs Array Site 19	
AS02	Alice Springs Array Site 2	
AS03	Alice Springs Array Site 3	
AS04	Alice Springs Array Site 4	
AS05	Alice Springs Array Site 5	
AS06	Alice Springs Array Site 6	
AS07	Alice Springs Array Site 7	
AS08	Alice Springs Array Site 8	
AS09	Alice Springs Array Site 9	
AS31	Alice Springs Site	
DAR	Darwin	
DPH	Darwin Parliament House	
DRS	Darwin Rock Store	
KAKA	Kakadu	
KDU	Kakadu	
MTN	Manton Dam	
WRAB	Tennant Creek	
WB1	Warramunga Ar.	
WRB	Warramunga Array	
WCB	Warramunga Array	
WRA	Warramunga Array Beam Reference Point	
WB0	Warramunga Array Site B0	
WB2	Warramunga Array Site B2	
WB3	Warramunga Array Site B3	
WB4	Warramunga Array Site B4	
WB5	Warramunga Array Site B5	
WB6	Warramunga Array Site B6	
WB7	Warramunga Array Site B7	
WB8	Warramunga Array Site B8	
WB9	Warramunga Array Site B9	
WC1	Warramunga Array Site C1	
WC2	Warramunga Array Site C2	
WC3	Warramunga Array Site C3	
WC4	Warramunga Array Site C4	
WR0	Warramunga Array Site R0	
WR1	Warramunga Array Site R1	
WR2	Warramunga Array Site R2	
WR3	Warramunga Array Site R3	
WR4	Warramunga Array Site R4	
WR5	Warramunga Array Site R5	
WR6	Warramunga Array Site R6	
WR7	Warramunga Array Site R7	
WR8	Warramunga Array Site R8	
WR9	Warramunga Array Site R9	
I07AU	WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	
WRAI	Warramunga Infrasound Array Beam Reference Point	
Queensland		
AWOON	Awoonga Dam	
AWDQ	Awoonga Dam 3	
AUAYR	Ayr State High School	
BEEN	Beenleigh	
AUBSH	Beerwah State High School	
BOON	Boondooma	
BDMQ	Boondooma Dam	
BW2S	Bowen Soft Rock	
BRS	Brisbane	
BN2S	Brisbane 2 Soft	
BR1	Brisbane hardrock	
BN1H	Brisbane Hard Rock	
BR2	Brisbane softrock	
BSLQ	Bruslee	
WBAQ	Buaraba 3	
BURD	Burdekin Lookout	
CN1H	Cairns Hard Rock	
CNS1	Cairns-h seis/acc	
CN2S	Cairns Soft Rock	
AUCSH	Cairns State High School	
CTA	Charters Towers	
CTAO	Charters Towers	CTA
CHIL	Chillagoe	
COEN	Coen	
CVLQ	Collinsville	
DLBQ	Dalbeg	
DNGQ	Doongara	
EASTN	East End Reserv.	
EIDS	Eidsvold	
FAIR	Fairbairn	
FGTQ	Fig Tree	
FS03	Four Seasons	
FRED	Fred Haigh	
GLADS	Gladstone Plant	
GD1S	Gladstone Soft Rock	
BGRQ	Glenroy	
GC1S	Gold Coast 1 Soft	
GC2F	Gold Coast 2 Fill	
GC2	Gold Coast Softrock	
GC1	Gold Cst Hrdrock	
HINZ	Hinze Dam	
KDA	Kuranda	
WMBQ	Mount Brisbane	
MCPQ	Mount Cooper	
MHPQ	Mount Hope	
ISQ	Mount Isa	
QIS	Mount Isa	
MORG	Mount Morgan	
MTSU	Mount Surprise	
AUMOU	Moura State High School	
AUNRC	North Rockhampton State High School	
PETE	Peter Faust Dam	
PDDM	Pindari Dam	
WPMQ	Pine Mountain	
QLP	Quilpie	
WRCQ	Reedy Creek 5	
RK1	Rhampton Hrock	
RK2	Rhampton Srock	
RK2S	Rockhampton 2 Soft	
RK1H	Rockhampton Hard Rock	
RMQ	Roma	
RTQ	Roma	
RDSS	Rosedale State School	
WTRQ	Thallon Road	
TINA	Tinaroo	
WTGQ	Toogoolawah	
WOOM	Toowoomba	
TW1H	Toowoomba 1 Hard	
AUTOO	Toowoomba State High School	
TVL	Townsville	
TV1H	Townsville Hard Rock	
TV2S	Townsville Soft Rock	
UKAQ	Ukalunda	
AUWSH	Wavell State High School	
WWHQ	Wivenhoe Hill 3	
WPA	Woody Point	
South Australia		
ADE	Adelaide	
ARKL	Arkaroola	
BBOO	Buckleboo	
CLV	Cleve	
AUCAS	Cummins Area School	
EDO	Endilloe	
GLEN	Glenside	
GHSS	Government House	
HTT	Hallett	
HML1	Hamley Bridge	
HKER	Hawker	
HWKN	Hawk's Nest	
HKN	Hawks Nest	
HMV1	Hindmarsh Valley	
INKA	Innaminka	
ILN	Island Lagoon	
JMS1	Jamestown	
AUJCS	Jamestown Central	

School
KELC Kelly Hill Caves
LCRK Leigh Creek
LBTL Lobethal
AUMAR Marden Senior College
MPTV Morphett Vale
MGBR Mount Gambier
MRAT Mt Rat
MULG Mulgathing
MYLR Mylor
MYP Myponga
NAPP Napperby
NBK Nectar Brook
OOD Oodnadatta
PLMR Palmer
PARN Parndana
PNA Partacoona
PBR1 Peterborough
PTPS Port Pirie
AURMK Renmark High School
ROBE Robe
RPA Roopena
AUROX Roxby Downs High School
SDAN Sedan
SNL Sevenhill
STR2 Strathalbyn
UTT Tea Tree Gully
TWOA Tennyson Woods
THS The Heights School
TPSO The Peters Seismological Observatory
UMB Umberatana
WHYH Whyalla
WKA Willalooka
FR27 Wilpena Pound
WSA Woomera
YE6 Yeelanna, site6

Tasmania

BNE Burnie High School
CORO Coronation Park
GEES Gees Lookout
GLAD Gladstone
FNT Hobart
I05AU HOBART INFRASONIC ARRAY REFERENCE POINT
MARG Lake Margaret
MIKA Lake Mikany
LMT Lemonthyme
AULHS Lilydale High School, Lilydale
MOO Moorlands
CLAW Mount Claude
NELS Mount Nelson
MTRD Mount Read
POAT Poatina
QTN Queenstown
SVR Savage River
SAV Savannah
SPK Scotts Peak
SFF Sheffield
STG Strathgordon
STGV Strathgordon Vge
AUTAR Taroona High School, Taroona
LEAH Tarraleah
TRR Tarraleah
TAU Tasmania University

Victoria

ABEM Aberfeldy
BRAT Ballarat
BANM Bannockburn
BFD Bellfield
BOV Bogong Mts
BRWK Brunswick
BUCN Buchan
BUV Buchan
BUCM Buckrabanyule
CCRM Cairn Curran
CDNM Cardinia
GEAM CSIRO Animal Health Laboratory
DRT Dartmouth
DDBM Dartmouth Bedrock
DDCM Dartmouth Crest
DTMM Dartmouth Digital
GEXS Deakin University, Geelong
DVBM Devilbend
DRAM Dora Dora
DROM Dromana
FSHM Fish Creek
FRTM Forrest
GLMM Glenmaggie
GVL Greenvale
AUHPC Hawkesdale P12 School
HEXM Hexham
HUMM Hume Dam
IVSM Inverness
JENM Jeeralang Junction
AUKSC Keysborough Secondary College
KOWM Kowarra
LGTM Lightning Creek
MACM Macedon
MEL Melbourne
MITM Mitta Mitta
MLWM Molesworth
MDRM Moondarra Dam
MPDM Moonee Ponds
ARPS Mount Arapiles
HOPM Mount Hope
MTV Mount Tassie
MTLM Mount Tassie Tower
AUMTC Mt Clear College-Earth Ed
GOGM North Grampians
ROYM Rob Roy
ROKL Rocklands
ROKM Rocklands Reservoir
AURSC Rosebud Secondary College
LYNN Rosslynne Res.
ROWM Rowsley
RUSM Rushworth
AUSSC Sale College, Sale
MLBS Spotswood, Melbourne
SHYM Surrey Hills
TATM Tatong
TECM TEC LaTrobe
TOMM Thomson
TOO Toolangi
WILL Willung South

West Australia

AUBUS Georgiana Molloy Anglican School, Busselton
AUKAL John Paul College, Kalgoorlie
AUKUL Kulin High School, Kulin
AUMAZ Mazenod Senior College, Perth
AUHAR St Anne's School, Harvey
AUALB St Joseph's College, Albany
AUKAR St Luke's College, Karratha
AUCAR St Mary Star of the Sea, Carnarvon

Western Australia

BAL Ballidu
BLDU Ballidu
BEAC Beacon
WA4 Burakin
CANN Canning Dam
H01W1 Cape Leeuwin Hydroacoustic Site W1
H01W2 Cape Leeuwin Hydroacoustic Site W2
H01W3 Cape Leeuwin Hydroacoustic Site W3
CARL Carlisle
COOL Coolgardie
DAM Dampier
DOCK Docker River
FITZ Fitzroy Crossing
FITX Fitzroy Crossing
FORR Forrest
FORT Forrest
GLS Giles
GIRL Giralia
GNOW Gnowangerup
KLGA Kalgoorlie
KLG Kalgoorlie
KMBL Kambalda
KAA Karratha
KLB Kellerberrin
KLBR Kellerberrin
KNA Kununurra
KNRA Kununurra
LKGR Lake Grace
MBT Marble Bar
MBL Marble Bar
MBWA Marble Bar
MEEK Meekatharra
MEK Meekatharra
MEKA Meekatharra
MORW Morawa
MRWA Morawa
MTKN Mount Kenneth
MUN Mundaring
NANU Nanutarra
NAU Nanutarra
NWA Narrogin NWAO
NWAO Narrogin (SRO)
NDA Nedlands
PER Perth
PSA00 Pilbara Seismic Array Element 00
PSAA1 Pilbara Seismic Array Element A1
PSAA2 Pilbara Seismic Array Element A2
PSAA3 Pilbara Seismic Array Element A3
PSAB1 Pilbara Seismic Array Element B1
PSAB2 Pilbara Seismic Array Element B2
PSAB3 Pilbara Seismic Array Element B3
PSAC1 Pilbara Seismic Array Element C1
PSAC2 Pilbara Seismic Array Element C2
PSAC3 Pilbara Seismic Array Element C3
PSAD1 Pilbara Seismic Array Element D1
PSAD2 Pilbara Seismic Array Element D2
PSAD3 Pilbara Seismic Array Element D3
RKG Rocky Gully
RKGY Rocky Gully
I04AU SHANNON INFRASONIC ARRAY REFERENCE POINT
SWV Swan View
WA3 Talbot Brook
WA2 Wagin
WRKA Warakurna
WBN Warburton
WARB Warburton
WAT Watheroo
WA1 Wongan Hills
WOOL Woolibar

Australian Capital Territory

PHB Parliment House Basement

New South Wales

CATI Cattai, Sydney
KURI Kurri Kurri
MABG Mt Annan Botanic Gardens
OKDL Oakdale
SWANH Swansea Heads
WTPK Wilton Park
YARR Yarramundi, NSW

New Zealand

Campbell Island

CBZ Campbell Island

Chatham Islands

I36NZ CHATHAM INFRASONIC ARRAY REFERENCE POINT
CTZ Chatham Island
CIZ Chatham Islands

Kermadec Islands

GLKZ Green Lake
RIZ Raoul Island
RAO Raoul Island
AKFZ Atkinson Farm
AWANZ Awakeri
AWKZ awakinopoint
BWHS Burwood Hospital
FEGZ Ferguson Road
HTPZ Hautapu
JBLZ Jubilee
KAHNZ Kaharoa
KPFZ Kaipara Flats
KAONZ Kaokaonui
KPRZ Karangahape Cliffs
KRHZ Kereru
LRONZ Lake Rotoehu
LRRZ Lawrence Road
MANNZ Manawahe
MNTZ Mangatoa
MWOZ Mangawhero Road
MARNZ Maroera
MAENZ Matahina East
MDQNZ McDougall's Quarry
OTNZ Otaenga
OAHZ Ouaha Hills
PAKZ Paiaka Road
PTAZ Pataua North
PWZ Pawanui
POWZ Post Office Road
PKAZ Pukeatua
RAWNZ Rawhiti Farm
TTTZ TwoTwoTwo
WAINZ Waiotahi Valley
WPHZ Waipukurau

North Island

ALRZ Allen Road
ANWZ Angora Road
PIPS Aotea Quay Pipitea
RAHZ Arahi
ARA Arapuni
ARAZ Aratiatia Landcorp Farm
ABAZ Army Bay
ARHZ Aropaoanui
AUC Auckland
AWAZ Awhitu Peninsula
BHW Baring Head
BMTS Belmont
BLW Big Hill
BFZ Birch Farm
BSWZ Blackbirch Station
BHHZ Black Hill Station
BKZ Black Stump Fm
BOWS Bowen St Turnbull House Wellington
BUN Bunnythorpe
BSZ Bushy Park
CAW Cannon Point
CMWZ Cape Campbell
CKHZ Cape Kidnappers
CRZ Cape Reinga
CNGZ Carnagh Station
CAZ Castlepoint
CPWZ Castlepoint
CPFS Castlepoint Fire Station
CNZ Chateau
COVZ Chateau Observatory
DAVS Collett Street
DNN Dannevirke
DVHZ Dannevirke
DVHS Dannevirke High School
DFE Dawson Falls
DRZ Dome Shelter
DREZ Durham Road
ECZ East Cape
ETAZ East Tamaki Reservoir
ETVZ East Tongariro
EPAZ Eden Park BICEP
EDRZ Edgecumbe
EKTS Eketahuna School
FAIS Fairfield
FWVZ Far West T-bar
FTPS Featherston Primary School
FAHS Feilding Agricultural High School
FXBS Foxton Beach School
GRRZ Galatos Road
GNZ Gisborne
GISS Gisborne 2ZG
GHHS Gisborne Hospital Hill
GWTS Gisborne Waipaoa Water Treatment Plant
GSZ Glacier Shelter
GBZ Great Barrier
GRZ Great Barrier Island
HBHS Hamilton Boys High School
HRRZ Handcock Road
HARZ Haroharo
HAS Hastings
HCDS Hastings Civil Defence Headquarters
HIZ Hauiti
HNZ Havelock North
HNHZ Havelock North
HNPS Havelock North Primary School
HWHS Hawera High School
HBAZ Herne Bay Borehole
HBZ Hicks Bay
HLRZ Highlands Station
HATZ Hinemaiaia
HITZ Hingarae
HOWZ Holdsworth Station
HSRZ Hossack Road
HUKS Huiakama School
HUTZ Huka
HIBS Hutt International Boys School
INHS Inglewood High School
KUTZ Kaahu Road
KARZ Kaharoa
KHEZ Kahui Hut
KAHZ Kahuranaki
KMRZ Kaimai
KIT* Kaitaia
GKBS Kaiti Beach
KATZ Kakaramea
KIW Kapiti Island
KBAZ Karaka Road Borehole
KRP Karapiro
KAVZ Karewarewa
KRVZ Karewarewa
POKS Katoa Kindergarten
KAAZ Kauri Point
KWHZ Kaweka Forest
KFHS Kaweka Forest Headquarters
KAFS Kawerau Fire Station
KETZ Ketetahi
TKEZ Kiri Road
KNZ Kokohu
KUZ Kuaotunu
LREZ Lake Rotokare
HOCS Levin Horowhenua College
LIRZ Lichensteins Rd
INSS Lower Hutt GNS Nuclear Sciences
HSSS Lower Hutt Haywards Substation
LIRS Lower Hutt IRL
LHBS Lower Hutt Normandale
LHRS Lower Hutt Normandale Rock Site
MAHZ Mahia
MHGZ Mahia Peninsula
MOZ Mahoenui
MKBS Makara Bunker
MRW Makara Radio
MKVS Makara Village
MKRZ Makatiti
MARZ Manawahe
MNG Mangahao
MHEZ Mangahewa
MRZ Mangatainoka River
MTVZ Mangateitei
MNGS Mangaweka School
MRH Marewa
MAVS Martinborough Wines Vineyard
WRCS Masterton Wairarapa College
MXZ Matakaoa Point
MAVZ Matarangi
MWFS Matata Watchorn Farm
MWZ Matawai
MRHZ Matea Rd
MGZ Maungaku
MTHZ Maungataniwha
MYRZ Mayor Island
MCHZ McNeill Hill
MOVZ Moawhango
MOH Mohaka
MOW Moikau
MSWZ Moikau Station
PNMS Monrad Intermediate School
MTAZ Motutapu
MBAZ Motutapu North Island, New Zealand
MKAZ Moumakai
AMW Mount Adams
MAGR Mount Albert Grammar School
MTW Mount Morrison
TARZ Mount Tarawera
MUGZ Murupara
NMEZ Namu Road
NPR Napier
NAAS Napier Airport
NCDS Napier Civil Defence
NCHS Napier Colenso High School
NGHS Napier Girls High School
NSPS Napier St Pauls
NMHZ Naumai
NWEZ Newall Road
NBEZ Newall Road North Island, New Zealand
NEWS Newlands
NPZ New Plymouth
NPCS New Plymouth Civil Defence
NRZ Ngariki Road
NGZ Ngauruhoe
NWFS Ngawi Fire Station
NGRZ Ngongotaha
NEZ North Egmont
NOZ North Gisborne
NTVZ North Tongariro
OHWZ Ohakea
ORCS Ohakune Ruapehu College
OPRZ Ohinepanea
OIZ Oio
OUZ Omahuta
OMRZ Omania
ONE Onerahi
OPCS Opotiki College
OPSS Opunake Primary School
OTW Orongorongo Tunnel
OGWZ Otaki Gorge
OTKS Otaki School
OTAZ Otara
OTVZ Oturere
PATZ Paeroa
PKGZ Pakihiroa
PLWZ Palliser
PREZ Palmer Road
PNBS Palmerston North Boys High School
PNRS Palmerston North Roslyn School
PAHZ Panekirikiri
PARZ Papamoa
PTHS Papatoetoe High School
PAPS Paraparaumu Primary School
WSSZ Parewanui
PRGZ Paritu Road
PAWZ Paruwai Farm
PXZ Pawanui
PGMS Petone Municipal Building
PTOS Petone Overbridge
PVCS Petone Victoria Street
PRRZ Plateau Road
POIZ Poihipi
PHHS Point Howard
PKVZ Pokaka
PGZ Pongaroa

Code	*Station Name*	*Other*
PRHZ	Porangahau	
PGFS	Porangahau Fire Station	
PRWZ	Pori Road	
PFAS	Porirua Free Ambulance Depot	
POLS	Porirua Library	
PWES	Porirua West	
PKE	Pukeiti	
PNHZ	Pukenui	
PUZ	Puketiti	
QHW	Quartz Hill	
RBY	Rainbow Mountain	
RAEZ	Rainy Point	
LRSS	Randwick School	
RGZ	Rangipo	
RATZ	Rangitukua	
RUGZ	Raukumara Range	
RUZ	Raurimu	
RAGZ	Rawiri	
RPCS	Reporoa College	
RRRZ	Republican Road	
RITZ	Rihia Road	
RIGZ	Rimuhau	
RVAZ	Riverhead Borehole	
ROS	Roseneath	
ROT	Rotorua	
ROTS	Rotorua District Council	
RTZ	Ruatahuna	
WSNZ	Santoft	
WSFZ	Santoft	
STN	Seatoun	
SEAW	Seatoun School Wellington	
SEAV	Seaview	
SNGZ	Shannon Station	
SOMS	Somes Island	
SNZO	South Karori	
WSDZ	Springvale	
NBSS	St Bernadette"s School	
STZ	Stratford	
TOZ	Tahuroa Road	
THHS	Taihape Hospital	
TAIT	Taita Central School	
TSZ	Takapari Road	
TRZ	Taradale	
TTH	Taradale Trig	
TAHZ	Taraponui	
TNZ	Tarata	
TAZ	Tarawera	
THQ2	Tauhara North	
TUHS	Taumarunui High School	
TPPS	Taupo Police Station	
TGRZ	Tauranga	
TBCS	Tauranga Boys College	
TWVZ	Taurewa	
TWGZ	Tauwhareparae	
TDHS	Te Araroa District High School	
TACG	Te Aroha College	
TEHZ	Te Atua	
HAZ	Te Kaha	
TKGZ	Te Karaka	
TKHS	Te Kuiti High School	
TMVZ	Te Maari	
TMWZ	Te Maipa	
TIWZ	Tintock	
TRMS	Tiraumea	
TBAS	Tolaga Bay Area School	
TLZ	Tolley Road	
TON	Tongariro	
TRTW	Torrens Terrace Wellington	
TRWZ	Traveller	
TUA	Tuai	
TUTZ	Tuhingamata	
TUVZ	Tukino	
TTHS	Turangi Tongariro High School	
TRVZ	Turoa	
UHCS	Upper Hutt College	
UHSS	Upper Hutt Primary School	
URZ	Urewera	
UTU	Utuhina	
VRZ	Vera Road	
VUWS	Victoria University Law School	
WNVZ	Wahianoa	
WTAZ	Waiatarua	
WIAZ	Waiheke Island	
WHHZ	Waihua	
WGZ	Waimangu	
WDW	Wainui Dam	
ARKS	Wainuiomata Arakura School	
WDAS	Wainuiomata Bush Fire Force	
WANS	Wainuiomata Hill	
WMGZ	Waiomatatini Station	
WPWS	Waipawa District Council	
WCZ	Waipu Caves	
WNZ	Wairakei	
WATZ	Wairara	
WFSS	Wairoa Fire Station	
WAHZ	Wakarara	
WLFZ	Wanganui	
WAZ	Wanganui	
WCDS	Wanganui Civil Defence Store	
WBFS	Weber Fire Station	
WEL	Wellington	
WCFS	Wellington Central Fire Station	
WEMS	Wellington Emergency Management Office	
WFES	Wellington Featherston Street	
FKPS	Wellington Frank Kitts Park	
WNAS	Wellington International Airport	
WNKS	Wellington Karori Normal School	
MISS	Wellington Miramar School	
POTA	Wellington Pottery Association	
WTYS	Wellington Tennyson Street	
TEPS	Wellington Te Papa Museum	
WTES	Wellington The Terrace	
WTVZ	West Tongariro	
WHTZ	Whakaora	
WPVZ	Whakapapa	
WPRZ	Whakapapataringa	
WTZ	Whakatane	
WKHS	Whakatane High School	
WHH	Whakatau	
WHRZ	Whale Island	
WHVZ	Whangaehu Hut	
WBSC	Whangarei Boys High School	
WLZ	Whitehall	
WIZ	White Island	
WSRZ	White Island Summit, North Island, New Zealand	
WDPS	Woodville Police Station	
WHW	Wright's Hill	
South Island		
AKCZ	Akaroa Harbour	
AKSS	Akaroa School	
AXZ	Alexandra	
AMCZ	Amberley	
AMBC	Amberley HDC	
ARPN	Arnold River Power Station	
APPS	Arthurs Pass Police Station	
ARCZ	Arundel	
BDCS	Balclutha District Council	
BWZ	Berwen	
BBW	Black Birch	
MGCS	Blenheim Marlborough Girls College	
BRZ	Borland Lodge	
BCZ	Braida Crags	
BSP	Bush Stream	
CFC	Cairnmuir Flats	
CMCZ	Cairnmuir Mts	
CRLZ	Canterbury Laser	
CCW	Cape Campbell	
CMZ	Cashmere	
CECS	Cheviot Emergency Centre	
CHR	Christchurch	
CHCC	Christchurch Cathedral College	
CYZ	Clyde	
CDZ	Cobb Dam	
COB	Cobb River	
CULC	Culverden Airlie Farm	
CSTC	Cust School	
DALS	Dallington	
DCZ	Deep Cove	
DNS	Denniston	
DSZ	Denniston North	
DMP	Diadem	
DHSS	Diamond Harbour School	
DORC	Dorie	
DNZ	Dunedin	
DUNS	Dunedin Corstorphine Substation	
DGNS	Dunedin GNS	
DND	Dunedin-Penfold	
DSLC	Dunsandel School	
DUWZ	D'Urville Island	
DIW	D'Urville Island	
EAZ	Earnscleugh	
EWZ	Erewhon	
EYCZ	Eyrewell	
FDCS	Fairlie District Council Garage	
FLW	Foulwind	
FOZ	Fox Glacier	
FGPS	Fox Glacier Park Board Headquarters	
FJDS	Franz Josef DOC	
GCSZ	Gaunt Creek Borehole	
GPZ	Gebbies Pass	
GSP	Gladstone Stream	
GFW	Glenfield	
GLE	Glenmuick	
GLNY	Glenorchy	
GODS	Godley Drive	
GODC	Gore District Council	
GDAL	Greendale	
GVZ	Greta Valley South Island, New Zealand	
GRY	Greymouth	
GMFS	Greymouth Fire Station	
HDWS	Haast DOC Workshop	
HALL	Halswell School	
HSES	Hanmer Springs Emergency Centre	
HAFS	Harihari Fire Station	
HAVS	Havelock	
HVSC	Heathcote Valley Primary School	
HHSZ	Highcliff Hill	
HHSS	Hillmorton High School	
HHP	Hogget Hill	
HMCS	Hokitika Medical Centre	
HORC	Hororata School	
HUNS	Huntsbury	
HGP	Huxley Gorge	
INGS	Inangahua Fire Station	
INZ	Inchbonnie	
IFPS	Inchbonnie Fitzsimmons	
ICCS	Invercargill City Council	
JCZ	Jackson Bay	
KHZ	Kahutara	
KPOC	Kaiapoi North School	
KHLK	Kaihoka Lakes	
KKZ	Kaikoura	
KIKS	Kaikoura	
KKY	Kaikoura West	
KAI	Kaimata	
KASC	Karamea School	
KEKS	Kekerengu Valley Road	
KLDS	Kikiwa Line Depot	
KOKS	Kokatahi	
KOWC	Kowai	
LBZ	Lake Benmore	
LMZ	Lake Moeraki	
LSRC	Lake Sumner Road	
LTZ	Lake Taylor	
LRSC	Lauriston	
LRCZ	Leaning Rock	
LSCZ	Lilico Spur	
LINC	Lincoln Crop and Food Research	
GOVS	Living Springs Camp Governors Bay	
MPSS	Mairehau Primary School	
MECS	Makarora Emergency Centre	
MATW	Matariki Wadsworth Road	
MLZ	Mavora Lakes	
MAYC	Mayfield School	
MQZ	McQueen's Valley	
MENS	Menlo Terrace Mount Pleasant Christchurch	
MNZS	Menzies Bay Banks Peninsula	
MTHS	Methven North	
MSZ	Milford Sound	
MOLW	Molesworth Station	
MNW	Monowai	
MOOR	Moorhouse Ave Christchurch	
MOSS	Mossburn School	
MOTS	Motueka DOC workshop	
MCNS	Mount Cook Annex	
MHZ	Mount Horn	
MHCZ	Mount Hutt	
MJZ	Mount John	
MJP	Mount John Pukaki	
MMP	Mount Mary	
MMCZ	Mount Michael	
MTPS	Mount Pleasant	
MSMC	Mount Somers School	
MSCZ	Moutere Station	
NSBS	Neils Beach	
NNZ	Nelson	
BTWS	Nelson Brightwater	
NCBS	Nelson Council Building	
NELH	Nelson Hospital	
NLMS	Nelson Nelmac	
NBLC	New Brighton Library	
OMZ	Oamaru	
OAMS	Oamaru North Otago Museum	
OKCZ	Okains Bay	
OPWS	Opawa School	
ORPS	Orepuki	
ODZ	Otahua Downs	
OHSS	Ouruhia School	
OXZ	Oxford	
PRPC	Pages Road Pumping Station	
PARS	Panorama Road	
PEEC	Peel Forest	
QCCS	Picton Queen Charlotte College	
PPZ	Puysegur Point	
PYZ	Puysegur Point	
QRZ	Quartz Range	
QTPS	Queenstown Police Station	
RACZ	Rakaia	
RKAC	Rakaia School	
RRKS	Rarakau	
RPZ	Rata Peaks	
RCBS	Redcliffs Borehole	
RDCS	Reefton DOC Centre	
RLNS	Resolution Island	
RHP	Rhoboro Hills	
RHSC	Riccarton High School	
ROLC	Rolleston School	
RTY	Rotoiti	
ROX	Roxburgh	
RTP	Ruataniwha	
SCAC	Scargill	
SYZ	Scrubby Hill	
SDNS	Seddon	
SEDS	Seddon Fire Station	
SHFC	Sheffield School	
SHLC	Shirley Library	
STKS	Sign of the Kiwi	
SBCZ	Sonora Basin	
SPRS	Springfield Volunteer Fire Station	
SJFS	Springs Junction Fire Station	
STAS	St Albans Christchurch	
SAGC	St Andrews College Christchurch	
SMTX	Styx Mill Transfer Station	
SMHS	Summerhill	
SUMS	Sumner	
SWNC	Swannanoa School	
TMBS	Taieri Mouth Beach School	
TAK	Takaka	
TSFS	Takaka Scotts Farm	
THP	Tara Hills	
TAFS	Te Anau Fire Station	
WTMC	Te Mara Farm Waiau	
TMDS	Te Marua Water Treatment Plant	
TPLC	Templeton School	
TOKS	Te Oka Bay Road SW Banks Peninsula	
TMZ	Timaru	
TMP	Tomahawk Gully	
THZ	Tophouse	
TCW	Tory Channel	
TBC	Trig B	
TLC	Trig L	
TUWZ	Tuamarina	
TUZ	Tuapeka	
TWAS	Twizel Area School	
WIGC	Waiau Gorge	
BWRS	Waikakaho Road	
WAKC	Waikari	
WPZ	Waipapa Point	
WVFS	Wairau Valley Farm	
WAI	Wairiri	
WVZ	Waitaha Valley	
WVAS	Waitaha Valley Strong	
WACZ	Wakanui South Island, New Zealand	
WKZ	Wanaka	
WNPS	Wanaka National Park Headquarters	
WDFS	Ward Fire Station	
TFSS	Wellington Thorndon Fire Station	
WSFC	Westerfield	
WBCS	Westport Buller District Council	
WHZ	Wether Hill Road	
WHFS	Whataroa Fire Station	
WCSS	Whitecliffs	
Stewart Island		
OBZ	Oban	
SIZ	Stewart Island	
APZ	The Paps	
Niue		
NIUE	Niue	
LD09	OBS LD09	
LW26	OBS LW26	
LW28	OBS LW28	
LW30	OBS LW30	
NIUS	Tahileleki, Niue, NIUE	
Northern Territory		
BOXOZ	Borroloola	
LAROZ	Larrimah, NT	
AUALC	St Philip's College	
WB10	Warramunga Array, NT	
North Island		
TIRS	Atiamuri Tirohanga School	
ECLS	East Cape Lighthouse	
LHES	Hutt Central	
SOCS	Lower Hutt St Orans College	
MMCS2	Matamata College	
NNVZ	North Ngauruhoe	
SNVZ	South Ngauruhoe	
TMHS	Thames High School	
WAKS	Wakarara Rangimaire Farm	
WNHS	Wellington High School	
Papua New Guinea		
Admiralty Islands		
MOM	Momote	
Bougainville		
BUKA	Buka	
KOA	Kobuan	
BGA	Mount Bagana	
PAA	Panguna	
D'Entrecasteaux Islands		
BDO	Budoia	
ESA	Esa-ala	
ESB	Esa-ala	
LOSU	Losuia	
WDIS	Woodlark Island	
New Britain		
PGBAU	Baubata	
BIAL	Bialla	
BOI	Boisen	
CGA	Cape Gloucester Airport	
DOY	Duke of York Island	
DAW	Hoskins	
PGKAI	Kaiamu	
KET	Keravat	
KRT	Keravat	
KRVT	Keravat (AS076)	
KCM	Kilenge	
BULU	Kimbe	
KMB	Kimbe	
KMBE	Kimbe	
LAG	Langila	
PGMAR	Marapu	
MIP	Matupit	
MPT	Matupit Island	
EVZ	Mount Varzin	
NIS	Nissan Island	
PNB	Pomio	
RAL	Rabalanakaia	
RAB	Rabaul	
ERB	Rabaul (IGS)	
RPT	Raluana Point	
RAP	Rapindik	
ESM	Semalu	
SUL	Sulphur Creek	
TLS	Talasea	
TKA	Tanaka	
TAV	Tavurvur	
ETV	Tovanakuss	
ULA	Ulamona	
ULO	Ulamona	
VUL	Vulcan	
WAN	Wanliss Street	
EWT	Watom Island	
WITU	Witu Islands	
New Ireland		
EDY	Kabakon Island	
KVG	Kavieng	
KAV	Kavieng	
KAVG	Kavieng	
EKN	Konogogo	
ELB	Lambom Island	
LHIS	Lihir Island	
AGE	Agenahambo	
AITP	Aitape	
ALOT	Alotau	
ALOA	Alotau	
ALTO	Alotau	
BLLO	Bulolo	
DNG	Daru	
FINC	Finschhafen	
GKA	Goroka	
GRK	Goroka	
GRK1	Goroka	
KIAM	Kaiam	
KKI	Karkar Island	
I40PG	Keravat	
KRG	Kerema	
KDB	Konedobu	
KUPN	Kupiano	
KPN	Kupiano	
KUTA	Kuta	
LAT	Lae	
LUNA	Lae	
LAE	Lae	
LML	Lae--Mount Lunaman	
LKW	Lake Wisdom	
LMG	Lamington	
MAD	Madang	
MDG	Madang	
MANU	Manus Island	
MNDI	Mendi	
MISM	Misima Island	
MCAS	Mount Castle	

Code	Station Name	Other
HAGN	Mount Hagen	
NADZ	Nadzab	
NAMA	Namatanai	
PIAM	Paiam	
PDUI	Pindiu	
POP	Popondetta	
PMG	Port Moresby	
PUR	Purari	
RABL	Rabaul	
SRPI	Serui, Papua	
TBL	Tabele	
TZZ	Tabubil	
TABU	Tabubil	
OKTD	Tabubil	
TPN	Tapini	
WAB	Wabag	
WAA	Waris	
WAU	Wau	
WEK	Wewak	
WWW	Wewak	
WEW	Wewak	
WEWK	Wewak	
WWKK	Wewakk	
YAN	Yangoru	
YYYY	Yonkie	
Solomon Islands		
AUK	Auki	
GIZ	Gizo	
HNR	Honiara	
LBT	Labete	
PIV	Piva	
RKS	Reko	
SVO	Savo	
VSG	Visale	
Queensland		
AXCOZ	Aramac airstrip	
BW1H	Bowen Hard, QLD	
BRSA	Brisbane St Lucia campus	
NTNOZ	Mutton Hole Station, Normanton	
WOOW	Woowoonga Park, Biggenden, Queensland, Australia	
Solomon Islands		
ALEG	Aligegeo Malaita	
HURO	Huro Makira	
SAVO	Savo Central	
TATA	Tatamba Isabel	
NGOA	Tingoa Renbel	
South Australia		
BOX6	Mt Lofy	
AUMBR	Murray Bridge High School	
PENW	Penwortham, SA	
SUND	Sunnydale, South Australia	
WALR	Wallaroo	
WILM	Wilmington	
WMRG	Woomera	
YAPP	Yappala Station, SA	
South Island		
GLOS	29 km south-west of Seddon	
ADCS	Ashburton	
ASHY	Ashley	
MCHD	Bankside	
DARN6	Burnham, DAR6	
CCH2	Burnt Hill	
CMHS	Cashmere	
CSHS	Castle Hill	
ESND	Charing Cross	
DARN7	Charing Cross, DAR7	
CCH5	Chertsey	
CBGS	Christchurch	
REHS	Christchurch	
DFHS	Darfield	
MKYD	Doyleston	
DCDS	Dunedin Civil Defence	
SKFS	Dunedin St Kilda Fire Station	
SKTD	Dunsandel	
DARN2	Eyewell Forest, DAR2	
DARN8	Greendale, DAR8	
MNSD	Harewood	
CACS	Harewood	
STLD	Highbank	
DARN4	Hororata, DAR4	
CCH1	Kalapoi	
CTND	Kirwee	
CCH4	Leeston	
LNSD	Lincoln	
LPDS	Lyttelton Port	
CARDN	Malvern Hills, CARD	
MRNZ	Matariki Terrace Road	
DARN1	Methven, DAR1	
LOKS	Mount Lookout	
MCASZ	Murchison	
NNBS	New Brighton	
PPHS	Papanui	
DARN5	Prebbleton, DAR5	
BNK1	Robinsons Bay	
DARN3	Rolleston	
SANDN	Rolleston, SAND	
SBRC	Southbridge School	
SPFS	Springfield	
TKNZ	Takaka Hill	
DKHS	Tonga Park, Forbury	
CCH3	Windwhistle	
Tasmania		
AUBRN	Burnie High School	
Victoria		
LAKY	Lakey Bradford Hills	
West Australia		
CAAA	Cadoux, CAA	
DOW	Dowerin	
Western Australia		
ARGY	Argyle Diamond Mine	
DNDOZ	Balladonia	
BCON	Beacon, Western Australia	
BEAU	Beaufort	
BENC	Bencubbin	
BEVE	Beverly	
BR4	Bonnie Rock 4	
BMEBF	Broome Borefield	
AUBRM	Broome Senior High School	
CADX	Cadoux	
CAK	Cadoux	
CARMG	Cadoux-Robbs, CAR	
CASMG	Cadoux-Shankland, CAS	
KIM05	Camballin, Kimberley	
KIM02	Cherrabun Homestead, Kimberley	
COOLG	Coolgardie	
CVQOZ	Cooralya Station, Carnarvon	
CORI2	Corrigin	
CORI1	Corrigin	
CRAW1	Crawley 1	
CRAW2	Crawley2	
KIM06	Dampier Downs, Kimberley	
DERBY	DERBY	
DBYG	Dumbleyung	
CAAN	Eighty Mile Beach, WA	
KIM04	Ellendale, Kimberley	
GNGN	Gingin	
GNOC	Gnowangerup Cupla Days	
GNOT	Gnowangerup Town	
GOO	Goomalling	
HYDN	Hyden	
KLCE	Kalgoorlie Cheetham St	
KLGGI	Kalgoorlie, Gindalbie	
KLGHH	Kalgoorlie, Hampton Hill	
KLGHS	Kalgoorlie Hannans Street	
KLLS	Kalgoorlie Longshaft mine	
KIM03	Kalyeeda Homestead, Kimberley	
KANBL	Kanowna Belle, Kanowna, WA	
KOO6	Koorda	
KORDA	Koorda, Western Australia	
LM02	Lake Muir 02	
LM03	Lake Muir 03	
LM04	Lake Muir 04	
LM05	Lake Muir 05	
LM01	Lskr Muir 01	
KIM01	Margaret River Homestead	
MUKOZ	Meadow Station	
MECK	Meckering	
MEKS	Meckering South	
MENZ	Menzies	
KIM10	Mount House, Kimberley	
MBNC	Mukinbudin Central	
MBNS	Mukinbudin South	
KIM08	Napier Downs, Kimberley	
ONGER	Ongerup, WA	
PING	Pingelly	
APIN	Pingrup, PIN	
QUAI	Quairading	
RAVT	Ravensthorpe	
STHX	Southern Cross	
KIM09	Thunderbird Minesite, Kimberley	
TROP	Tropicana Mine	
KIM07	Ungani, Kimberley	
WLBG	Walebing	
WATNG	Wattoning, WA	
WDN1	Woodanilling	
WYA2	Wyalkatchem	
WYAL	Wyalkatchem	
YK4	York	
YK2	York	
YK3	York	
YK1	York	

CARIBBEAN SEA

Anguilla		
SWIP	Sombrero	
Antigua		
ANDO	Antigua, Disaster Office	
ANOC	Antigua Open Campus	
ANBD	Bethesda, Antigua	
Antigua and Barbuda		
AWI	Antigua	
ANG	Antigua	
BPA	Boggy Peak	
Barbuda		
BWI	Barbuda	
CPB	Codrington	
O6A	E Barbuda OBS	
ANWB	Willy Bob	
Barbados		
B5GA	5 Glenshane	
BRB	Barbados	
BDS	Barbados	
BBGH	Gun Hill	
BDH	Highclere	
BBSP	Saint Philip	
British Virgin Islands		
ABVI	Anegada Island	
Cayman Islands		
LCCY	Blossom Village, Little Cayman	
FSCY	Frank Sound, Grand Cayman	
GCM	Grand Cayman	
CBCY	The Bluff, Cayman Brac	
WBCY	West Bay, Grand Cayman	
Cuba		
GNEO	Boca de Quibijan	
CAIB	Caibarien	
CAMR	Camarioca	
CCCC	Cccc	
CHIV	Chivirico	
CISC	Cisc	
GM-	Guantanamo	GM-CU
GM-CU	Guantanamo	
GTMO	Guantanamo	
GBC	Guantanamo Bay	
HAVA	Habana	
HLGC	Holguin	
HOL	Holguin	
YARP	Jiguani	
SABCS	La Quijada	
LMGC	Las Mercedes	
LTUP	Las Tunas	
MGV	Manicaragua	
MASC	Masc	
MOAC	Moa	
NICP	Nicaro	
NMDO	Nuevo Mundo	
PILO	Pilon	
PINC	Pinares de Mayari	
QMBU	Quimbuelo	
RCC	Rio Carpintero	
SABC	Sabc	
MARVS	Santiago de Cuba	
SOR	Soroa	
YAR	Yar	
Dominica		
BBL	Barber's Block	
DBCT	Belle View Chopil	
DMCB	Castle Bruce	
MDCT	Cottage Hill, Dominica	
PSDMB	Cotton Hill	
DOM	Dominica	
MDPO	Dominica Chance, Portsmouth	
MDMP	Dominica, Moore Park	
MDPV	Dominica, Pennville	
MDVC	Dominica, Vielle Case	
DFBT	Forest Bistro	
DGBT	Grand Bay	
DDOJ	Jimmit	
DLPL	La Plaine	
DLDT	Laudat, Dominica	
DLVT	Layou Valley	
DMLD	Londonberry	
MDN	Morne-Daniel	
DPMT	Pointe Michel	
PSDMZ	Portsmouth	
DRTD	Roseau, Dominica	
DSLB	Salisbury	
DSHT	Scott's Head	
DSC	Scotts Head	
PSDMA	Soufriere	
DSVT	Soufriere Village	
DSTT	Stowe	
DTMT	Tete Morne	
DVDT	Valley Desolation	
DVCT	Vielle Casse Police Station	
DWS	Wesley	
Dominican Republic		
DR10	Alto Bandera	
ABDR	Alto Bandera	
LOBH	Bahia de las Aguilas	
BANI	BANI	
BAN1	Bani Escuela	
BRH1	Barahona	
LOBA1	Barahona	
ROBI	Boca de Chavon	
BON1	Bonao	
CADR	Cabrera	
SNH1	Catey	
SDD09	Ceiba Bonita	
PU001	CIRRMA PUCMM	
LONE3	El Aguacate, Bahoruco	
LOVI	El Cajuil, Oviedo	
LODU1	El Espartillar, Duverge	
GUAY	Guayacanes	
SDD06	Hatillo	
HTM1	Hato Mayor	
HATOM	Hato Mayor del Rey	
HGY1	Higuey	
HIDR	Higuey Centro	
LOBA2	Hotel Casa Bonita	
LOPE2	Hotel El Pedernal	
SAON	Isla Saona	
SADR	Isla Saona	
LODA1	ITESIL, Dajabon	
DR07	Jarabacoa	
JIDR	Jimani	
DR1	Juana Nunez	DR01
DR01	Juana Nunez	
LOCA	La Canela, Santiago	
DR06	La Diferencia	
DR6	La Diferencia	DR06
DR05	La Lomota	
DR5	La Lomota	DR05
DR11	La Yayitas	
SACA	Loma Carmona	
SDD01	Loma Colora	
SDD07	Loma El Cafe	
MAVI	Loma El Joboban	
SDD04	Loma El Mogote	
LOMO	Loma en Medio	
SDD03	Loma La Ceniza	
DR8	Loma La Naviza	DR08
DR08	Loma La Naviza	
LONE2	Loma La Sidra	
SDD05	Loma Manaclilla	
DR12	Loma Pena Alta	
QUES	Loma Quita	
SDD02	Loma Siseviere	
SDD08	Loma Yayales	
LUDR	Luperon	
LOLU	Luperon, Puerto Plata	
MAO1	Mao	
MADR	Mao Valverde	
MIDR	Miches	
MCDR	Montecristi	
LOMC	Monte Cristi	
DR04	Monte Llano	
DR4	Monte Llano	DR04
SDD10	Monte Rojo	
NAG1	Nagua	
NADR	Nagua	
NEDR	Neiba UASD	
LONE1	Neyba	
DR09	Piedra Blanca	
LOPI	Piloto, Monte Cristi	
DR03	Pinalito	
DR3	Pinalito	DR03
PODR	Polo	
LOPU	Pueblo Viejo, La Vega	
PPDR	Puerto Plata	
PUCA	Punta Cana	
PCDR	Punta Cana, DR	
LOPP1	Punta Rusia, Puerto Plata	
LORA	Ranchadero, Monte Cristi	
REDR	Restauracion	
SMN1	Samana, DR	
DR13	Sanchez	
LOSC1	San Cristbal IPL	
SFDR	San Fco. de Macoris	
SFM1	San Francisco de Macorix	
DR02	San Jose de las Matas	
SJM1	San Juan de la Maguana	
SJG1	San Juan UASD	
SPM1	San Pedro UASD	
PUCM	Santiago	
SC02	Santiago aeropuerto	
SC01	Santiago de los Caballeros	
STDO	Santo Domingo	
SD01	Santo Domingo	
SDD	Santo Domingo	
DR14	Sierra Prieta	
DR15	Siete Picos	
SODR	Sosua Marina Base	
LONA1	Toro Cenizo, Nagua	
France		
Guadeloupe		
ABGF	Abri du Galion	
GABY	Abymes - Guadeloupe	
MAGL	Barre de l'ile, St louis, Marie Galante	
BTG	Basse Terre	
BCG	Bois Riant Capesterre	
LKG	Breislack	
CRG	Carmichael	
DOG	Dongo Capesterre	
ECG	Echelle	
CBE	Ff, Capesterre Belles Eaux	
FNG	Fond-Bernard	
LZG	Guadaloupe-1	
PHG	Guadaloupe-2	
TBG	Guadaloupe-3	
I25FR	GUADELOUPE INFRASONIC ARRAY REFERENCE POINT	
H05N1	Guadeloupe/Martinique T-Phase Site N1	
H05S1	Guadeloupe/Martinique T-Phase Site S1	
HMG	Houelmont	
IAG	Institut Agronomique	
DEG	La Desirade	
GDSD	La Dsirade Island	
ABD	La Joyeuse, Anse Bertrand	
GLMO	Le Moule	
PAG	Le Parnasse	
MGG	Marie-Galante	
MBG	Matouba	
MLG	Mont-d'or	
GDHS	Morne Mazeau, Deshaies	
MSGF	Morne Soldat	
PRGF	Pas du Roy	
GPTB	Petit Bourg	
GCPN	Pointe noire	
SEG	Port Louis	
RMGF	Ravine Marchand	
SCG	Saint Claude	
SFG	Saint Francois	
SSG	Sans Toucher	
TAG	Tarade	
TDBA	Terre de Bas, Les Saintes	
FBG	Trois Rivieres	
TVG	Trois Rivieres	FBG
Martinique		
ZAM	Aeronautique	
BVM	Bellevue	
BIM	Bigot	
PMCB	Calebasse	
CRM	Caravelle	
FDF	Fort de France	
GBMF	Grand Be	
ILAM	Ilet Lapin Martinique	
AIL	L'Aileron	
MVM	Montagne Vauclin	
MPM	Monte-Pele	
BAMF	Morne Balai	
MJM	Morne Jacques	
CXM	Morne La Croix	
LPMF	Morne Lapointe	
PML	Morne Lenard	
PAMF	Morne Pavillon	
MPOM	Morne Pois Martinique	
PAI	P Aileron	
PCM	Pelee Case Petit	
SVN	Savane Anatole	
TRMF	Trois Ilets	
Grenada		
GRCU	Cariacou	
GRE	Grenada	
GCMP	Grenada, Carriacou, Mt. Pleasant	
GRFF	Grenada Fort Frederick, Mt. Wheldale, St. Georges	
GRGR	Grenville	
GRIC	Isle de Caille	
GRW	Mount Saint Catherine	
MCG	Mt St Catherine	GRW
GRHS	Sauteurs	
GRSS	Sisters	
Guadeloupe		
ATGZ	Broadband at La Diserade, Guadeloupe	
DHSZ	Broadband at Morne Mazeau - Deshaies, Guadeloupe	
MMLZ	Guadeloupe Broadband 3 component	
DSDZ	La Diserade, Guadeloupe	
SBLM	St Barthlmy	
Haiti		
SAQUI	Aquin, Sud	
SMESL	Baie-du-Mesle, Saint-Louis-du-Sud, Aquin, Sud	
NQBME	Bureau des Mines et l'Energie	
NCAP1	Carenage,	

	Cap-Haitien, Nord
RE7D0	Catchment Area, Port-au-Prince, Haiti
RE87E	Cite Saint-Georges, Port-au-Prince, Haiti
R9A9C	Cite Saint-Georges, Port-au-Prince, Haiti
NCORM	Cormier-Plage, Cap-Haitien, Nord
NQWLB	Fermate
JAKH	Jacmel
R897D	Jacmel, Haiti
SJACM	Jacmel, Sud-Est
SJER1	Jeremie, Grand'Anse
SJER2	Jremie, Grand'Anse
WSYH	La Gonave Hosp
LGNH	Logne
CHINC	L'Ermitage, Hinche, Centre
CGONA	Les Gonaivves, Artibonite
MSNH	Mle Saint-Nicolas
NMSNI	Mole-Saint-Nicolas, Nord-Ouest
CPACO	Pacot, Port-au-Prince, Ouest
PEDR	Pedernales
SPRIV	e-Riviere-des-Nippes, pes, Nippes
NPIGN	Pignon, Saint-Raphael, Nord
PAPH	Port-au-Prince
R49B6	Port-au-Prince, Haiti
SSM	Saint Martial
NQUSE	US Embassy, Port-au-Prince

Honduras
Swan Islands

SWA	Swan Island

Jamaica

BBJ	Bamboo Saint Ann
BEV	Beverley
BRJ	Black River
BNJ	Bonny Gate
CMJ	Castle Mountains
CVJ	Coleyville
GWJ	Greenwich
HOJ	Hope
HOP	Hope Bay
KIN	Kingston
MCJ	Malvern
MBJ	Montego Bay
MTDJ	Mount Denham
NEJ	Negril
NCJ	New Castle
PAJ	Port Antonio
PCJ	Portland Cottage
PRJ	Port Royal
RHJ	Red Hills
SPJ	Spur Tree
STH	Stony Hill
YHJ	Yallahs

Martinique

FDFM	Morne la Rosette, Martinique, France

Montserrat

MBET	Bethel	
MBBY	Brodericks Yard	
MBFL	Flemmings, Montserrat	
MBGB	Garibaldi Hill	
MJHT	Jackboy Hill	
MLYT	Lee's Yard	
MLGT	Long Ground	
MBLG	Long Ground	MLGT
MWI	Montserrat	
MVOV	Montserrat Volcano Observatory	
NVDO	Nevis, Disaster Management Department Office	
MBRV	Rendezvous	
MBRY	Roches Yard	MRYT
MGH	Saint George's Hill	
MSPT	Saint Patrick	
MBWH	Windy Hill	
MBGE		
MBMH		
MCPZ		
MBSS		
MGAT		MBGA
MRYT		
MBGA		
MDUM		

Netherlands Antilles

SABA	Saba
SABT	Saba
SBN	Saba
SABS	Saba
SABV	Saba, Juancho Airport
SABQ	Saba, The Bottom
SABW	Saba, Winward Side
STAT	Sint Eustatius
MRN	Sint Maarten
SEUS	St. Eustatius
SEUG	St. Eustatius G
SEUH	St. Eustatius H
SEUT	St. Eustatius T
SKOC	St. Kitts, UWI Open Campus
SMRT	St. Maarten
STMA	St. Maarten, Airport

Puerto Rico

AGP	Aguadilla
AGPR	Aguadilla, PR
APR	Arecibo
AOPR	Arecibo Observatory
PWP	Barrio Florida
CRPR	Cabo Rojo, PR
CAG	Caguas
CGV	Camp Garcia
CBYP	Canovanas
CBYB	Canovanas
CSJ	Cape San Juan
CELP	Cerrillos
CLLP	Cerrillos
CDP	Cerro de Punta
CDPB	Cerro de Punta
CPD	Cerro la Pandura
CPDB	Cerro Pandura
CCA	Coamo
CSB	Colonia Sabana
HUMP	Col San Antonio
CORN	Cornellia Hill
CCPR	CROEC-Ceiba
CVPR	CROEV Villalba PR
CUP	Culebra
CULB	Culebra
CUPR	Culebra, Puerto Rico
DOS	Dos Bocas Dam
EYP	El Yunque
EMPR	Esperanza - Manati, PR
ECPR	Experimental Station Corozal Puerto Rico, UPR
GBPR	Guanica, Bosque Seco, PR
GCPR	Guaynabo City
ISPR	Interamericana de San German Puerto Rico
IGPR	InterUniversity Guayama PR
ICMP	Isla Caja de Muertos, Puerto Rico
ICM	Isla Caja Muertos
IDE	Isla Desecheo
IMOB	Isla Mona
IMR	Isla Mona
IMO	Isla Mona
LPR	La Peregrina
LRS	Lares
LSP2	Las Mesas
LSP	Las Mesas
MGP	Maguayo
MGPB	Maguayo
MLPR	Magueyes Island, Lajas, Puerto Rico
MRCP	Maricao
MPR	Mayaguez
MCP	Moca
MOCA	Moca
MCAB	Moca
IMPR	Mona Island, PR
MTP	Monte Pirata
MTPB	Monte Pirata
MOV	Morovis
MEP	Mte del Estrado
OBIP	Obispado Ponce
PDPR	Patillas Dam, Puerto Rico
PNP	Penuelas
PZ-	Ponce PZ-PR
PON	Ponce
PZ-PR	Ponce
PTP	Ponta Puerca
PORP	Portuguez
PRSN	Puerto Rico Seismic Network
QBPR	Quebradillas
ROPR	Rincon, Puerto Rico
RRP	Roosevelt Roads
RRD	Roosevelt Roads
SMDR	Samana, DR
SJG	San Juan
SJP	San Juan
SJGC	San Juan (W) SJG
SBPR	Sierra Bermeja
UUPR	Utuado, UPR, Puerto Rico
VQS	Vieques
ZCPR	Zona Ceiba Puerto Rico

Saint Kitts and Nevis
Nevis

NVBH	Bath Hotel, Nevis
NEV	Hard Times
NVRH	Round Hill, Nevis
St Kitts	
BSK	Brimstone Hill
STKP	Saint Kitts
SKI	Saint Kitts
SKDB	Saint Kitts 2
SKTB	Turtle Beach

Saint Vincent and the Grenadines
St Vincent

SVL	Baleine
BHS	Barnard House
SVB	Belmont
SSV	Crater Summit
SFAN	Fancy Village
FCV	Fort Charlotte
SVG	Indian Gallows
OHS	Orange Hill
SOA	Owia
RSV	Radio Antilles
SRH	Rilland Hill
SVI	Saint Vincent
SVT	Saint Vincent
SVV	Soufriere Volcano
SVCV	St. Vincent, Congo Valley

St Lucia

BCHC	Barbados, Cave Hill Campus
SLB	Belfond
SLCP	Castries, St. Lucia
SLDE	Delcer
SLTA	Morne Tabac
MCLT	Moule a Chique
SLPA	Patience
SLW	Petit Monier
SLPE	Piton Saint Espirit
SLI	Saint Lucia
SLAC	Saint Lucia, Anse Canot
SLBI	Saint Lucia, Bisee

St Vincent
Caribbean

SSVA	Summit
SVFH	Fitz Hughes
SVGT	Georgetown, St. Vincent
SVGM	Greiggs Mountain
SVOC	Richmond Hill, Kingstown
SVWL	Waterloo

Trinidad and Tobago

ALNG	Atlantic LNG
BOT	Bacolet
TBH	Brigand Hill
BUAY	Buenos Aires
TCE	Chacachacare
TCHG	Chaguaramas
DMIS	Diego Martin
DMNP	Diego Martin
DMCS	Diego Martin Central
ESGP	El Socorro
TGAL	Galeota Point, Trinidad and Tobago
GNG	Grange
DMDM	Guralp CMG5TDE. Diego Martin, Trinidad
PSKH	Kent House, Port of Spain
TTR	Matura
PSMK	Moka
PSMG	Mucurapo Girls' R.C. School, Port of Spain
PIG	Pigeon Point
PLY	Plymouth
TPP	Pointe-a-Pierre
PLS	Point Lisas
PORS	Port of Spain
PSDM	Port of Spain, Disaster Management Unit
PSGH	Port of Spain General Hospital
PSNL	Port of Spain National Library
PSQC	Port of Spain Queen's Royal College
TPR	Prospect
TPTC	Pt. Cumana
SFAH	San Fernando
SFNH	San Fernando Hill
SFOC	San Fernando Open Campus
SJNS	San Juan North Secondary
SIH	Signal Hill
SIPA	Siparia
TOSP	Speyside
TOB	Tobago
TOMO	Tobago Mt Moriah
TOEM	Tobago TEMA
TOCO	Toco Health Centre
TRN	Trinidad (W)
TWMO	Westmoorings
PSWS	West Secondary High School
PSWY	Woodbrook Youth Facility, Port of Spain

Turks and Caicos Islands

GRTK	Grand Turk

US Virgin Islands

SJVI	Gifft Hill School

Virgin Islands

ABV	Anegada
CGPV	Cottongarden Point
SCVI	Saint Croix
SCV	Saint Croix
SJV	Saint John
STVI	Saint Thomas
VST	Saint Thomas
CDVI	St. Croix
TBVI	Tortola
VGVI	Virgin Gorda
VGBI	Virgin Gorda, British Virgin Islands
GPV	Virgin Gorda Peak

CENTRAL AMERICA

Colombia
Antioquia

HELE	Santa Helena
Boyaca	
RUSI	La Rusia

Costa Rica

ACOS	Acosta
CLARA	Aguas Claras
ACAL	Aguas Claras
UELA	Alajuela
ZAPA	Alfaro Ruiz
AMAS	Alto Masis
ALCO	Alturas Coton, Coto Brus
CAPH	APH
A492	Arado
PACM	Arenal
AR1	Arenal
ARE1	Arenal 1
AROL	Arenal Observatory Lodge
VMAR	Armenia, Volcan Miravalles
ASRI	Aserri
ATEO	Atenas
BAGA	Bagaces
BANL	Banca Lucia
CBAR1	BAR1
MEXI	Barrio Mexico
TAAN	Batan
BATAN	Batan
BELE	Belen
BIJ	Bijagual
LAJ	Bijagual
GPS3	Bodega del ICE en Pailas
BONG	BONG
GB1A	Borinquen Arriba
BRIBI	Bribri
BUS	Buena Vista
BUEV	Buena Vista
BURE	Buenos Aires
EDBA	Buenos Aires
BUAI	Buenos Aires
CBARC	Buenos Aires, BARC
BAIR	Buenos Aires, Puntarenas
CABAL	Caballito
CBL1	Cabuya
CSCAL	CAL
CANAL	Canalete
CNAS	Canas
PLMAC	Candelaria, PLMA
CANG	Candelarita
CDITO	Canoas
CAON	Cano Negro, CANO
AR7	Cape Frico
CCOL	Caracol de Corredores, Puntarenas
POSA	Carate, playa Osa
PIRO	Carate, Puerto Jimenez, Puntarenas
CARI	Cariari
CBLA	Caribianco
TAGO	Cartago
CPAN	Cartago Paso Ancho
CMAQ	Casa Mquinas
APPA	Casa Mquinas Las Pailas
APGM	Casa Mquinas Miravalles
CASL	Cascajal
CASO	Castillo
CASI	Castillo
PUCAC	Catalina, PUCA
CPMI	Catarata Coopelesca
CDRL	Cedral
CDL2	Cedral CDRL
CAMAV	Centro de Produccion Miravalles
CERBA	Cerbatana
ACR	Cerro Adams
CDM	Cerro de Muerte
PIEC	Cerro El Cedral
CGAC	Cerro Gallo
CGA2	Cerro Gallo 2
TIG2	Cerro Tigre, Buenos Aires de Puntarenas
CEUA	Cerro Uatsi, Limon Sur
AR6	Chiripa
CHPA	Chiripa
CHIK	Chiripa
SCD2	Chiriqui, SCD2
NELY	Ciudad Neily
QUEU	Ciudad Quesada
CAO	Cobano
CAO2	Cobano, Puntarenas
ICCO	Coco Island
COLC	Colonia
COCR	Colorado
CCON	CON
COVE	Coope Vega, San Carlos, Alajuela
CORON	Coronado
CCORO	Corozal, CORO
CTCR	Cotoan
COYO	Coyolito
A10	Crater
VTUN	Crater Central, Volcan Turrialba, Cartago
CRPO	Crater poas
VTUC	Crater, Volcan Turrialba, Cartago
POA5	Crater Von Franzius, Volcan Poas
CCTS	CTS
CUI	Cuipilapa
AMPA	Desamparados
EDDO	Dominical
CSDOM	Dominical, DOM
2RIO	Dos Rios de Upala
DUNO	Dulce Nombre, Nicoya, Guanacaste
DRK0	Durika
EGUB	Earth Gupiles
TENO	El Achiote
LCOCO	El Coco
LAES	El Progreso Valle La Estrella Limon
A495	El Viejo
ELVJ	El Viejo (Barbudal, Tempisque)
ECI	Escuela Centroamericana Geologa
SJS	Escuela Geologia
ARZA	Esparza
EPA	Esparza
GRAS	Estacion GRAS, Guanacaste
GUIO	Estacion GUIO Guanacaste
LALO	Estacion LALO Guanacaste
CESO	Esterillos Oeste, ESO
CAGC	Fila Aguacate, AGC
FIBO	Fila Bonilla
FICA	Fila Carbon
DELF	Filadelfia
FIMO	Fila Mora
RITO	Finca Alexandra
VERA	Finca Concepcion
CVIMO	Finca Echandi
LAFE	Finca La Fe, Paquera, Puntarenas
LAPC	Finca la Perla
GBS3	Finca Las Imgenes
FORC	Fortuna
RGM0	Gandoca
BITO	Garabito Jaco
EDAD	Golfito
FITO	Golfito
GREC	Grecia
CGUA	Guabo, GUA
LUPE	Guadalupe
GUAI	GUAI
PG27	Guanacaste Province
PILE	Guapiles
GPS1	Guardaparques de Rincn de la Vieja
TMIA	Guayabo
MICM	Guayabo
GUAB	Guayabo de Bagaces
BANE	Gulf of Nicoya
ELI1	Hacienda Flor
GP14	Hacienda Santa Mara 14
GP03	Hacienda Santa Mara 3
GP77	Hacienda Santa Mara 77
REF1	Hacienda Santa Mara ref
HATA	Hacienda Tamarindo
HATIL	Hatillo
HDC	Heredia
EDIA	Heredia
HDC2	Heredia 2
HDC3	Heredia 3
HDC4	Heredia 4
HDC5	Heredia 5
HEME	Heredia, Mercedes
CHOYA	Hojancha, HOJA
HZTE	Horizontes, Guanacaste
HORNC	Hornillas
GPS2	Hotel Rincn de la

	Vieja Lodge
HRIU	Hotel RIU, Guanacaste
INT	INT
IDC	Isla del Cano
ICO	Isla del Coco
JACO	JACO, Garabito, Puntarenas
JCR1	Jicaral
JCR	Jicaral
JUD	Juan Diaz
JUD2	Juan Diaz 2
JUD3	Juan Diaz 3
VINA	Juan Vinas
JUNT	Juntas
CRZ1	La Cruz
LCRUZ	La Cruz
CRZC	La Cruz
VRLE	La Escondida, Volcan Rincon de la Vieja, Guanaca
TUNA	La Fortuna
SGBR	La Fortuna
LORF	La Fuente
COTE	Lago Cote
AR2	Lago de Cote
CEDE	Laguna Cedeo
CMARA	Lajas Hojancha
LSOL	La Lindora
LCR	La Lucha
LCR2	La Lucha 2
LLC	La Lucha Farm
PICA	La Picada, Volcan Turrialba
LARO	La Roca
LARC	La Roca
LARCR	La Roca, LAR
ABRB	Las Abras (Santa Cruz, Turrialba)
JTS	Las Juntas de Abangares
GBS2	Las Lilas
EDLM	Las Mercedes
LPLA	Las Palmas La Amistad
LEPA	Lepanto, Puntarenas
ERIA	Liberia
LIBE	Liberia
ALIBA	Liberia Airport
LIO	Limon
LNCR	Limon
LICR	Limon
LIM1	Limonal
LCH0	Los Chiles
LCHIL	Los Chiles
ACLS	Los Chiles
LOLA	Los Lagos
PARG	Los Pargos
PLAN	Los Planes de Bahia Drake, Puntarenas
LUJA	Lujan
MANSI	Mansion, MANS
CMAN	Manuel Antonio, MAN
CMARE	MARE
MATA	Matapalo
CMAT	Matapalo, MAT
SJS3	Mercedes San Jose
MESS	Mesas
MENO	Metropolitana Norte
MESU	Metropolitana Sur
REZ	Monterrey de San Carlos
MONTE	Monteverde
MTEVE	Monteverde
MORAV	Moravia
MRVA	Moravia de Chirripo, San Jose
CMTL	MTL
NYURE	Nandayure
NARJA	Naranjal
LLNJ	Naranjito
PINJ	Naranjito (Quepos)
NARAN	Naranjo de Alajuela
CNAR	Naranjo, NAR
AR8	Nicoya
NICO	Nicoya
AR9	North
ZERI	Nueva Zelanda, Rincon
NY08	NY08
NY10	NY10
NY11	NY11
NY12	NY12
NY13	NY13
NY15	NY15
NY16	NY16
NYA7	NYA7
NYA9	NYA9
OCM	Ochomogo
OCHAL	Ojochal
IRZU	Oratorio
OROT	Orotina
ORTG	Ortega, Santa Cruz, Guanacaste
PCAYA	Pacayas
PALD	Palmares
EDPN	Palmar Norte
PANP	Palmar Norte
PALMI	Palmira, PALM
PALO	Palomo
PAL1	Palomo
VUE	Palo Seco
PLVR	Palo Verde
A494	Palo Verde
PAPA	Papagayo
PAQE	Paquera
REPA	Paraso
RVPB	Parque Nacional Barbilla
PNCB	Parque Nacional Cabo Blanco, CR
PNPB	Parque Nacional Piedras Blancas, Golfito
RIRI	Parque Rincon de la Vieja
PTEN	Parque Tenorio
RITA	Parrita
LPPC	Paso Canoas
FINA	Paso Real
PAVB	Pavas, San Jos
EDPE	Pejibaye, Prez Zeledn
PEJI	Pejibaye, Turrialba
PEJA	Penjamo Buenos Aires de Upala
ZEDO	Perez Zeledon
ZELE	Perez Zeledon
PEZE	Perez Zeledon, Campus UNA, Perez Zeledon,
	San Jose
PICV	PH. Pirrs
CPIN	PIN
PITB	Pirrs, San Marcos
ITAL	Pital
CMARB	Playa Azul, MARB
GRZA	Playa Garza
CGRAN	Playa Grande, GRAN
COND	Playa Hermosa, COND
PNE2	Playa Negra, Guanacaste
PNUE	PNUE
POA	Poas
POA2	Poas 2
TERP	Poasito
VPTE	Poasito
SOCE	Pocosol
POPE	POPE, Guanacaste
PTCR	Potenciana
POCR	Potenciana 2
CPOT2	Potrerillos Abajo, POT2
EDP2	Potrero Grande
POTG	Potrero Grande, Buenos Aires, Puntarenas
LPPG	Potrero Grande, P.H Las Palmas
POB3	Pozo 3, Borinquen
PBO3	Pozo tres de Borinquen
SGBE	Presa Sangregado, berma
TOES	Presa Toro II, estribo izq
CPRO	PRO
CPRS1	PRS1
PUDO	PUDO
PNUA	Pueblo Nuevo de la Aldea, Limon
PUJE	Puerto Jesus Guanacaste
PUJ	Puerto Jimenez
JIME	Puerto Jimenez
PUJI	Puerto Jimnez
PTJ1	Puerto Jimnez
MOIN	Puerto Moin
PBNC	Punta Banco, Puntarenas
PBC	Punta Burica
INDI	Punta indio, Guanacaste
ENAS	Puntarenas
PSVT	Puntarenas
PAR1A	Puntarenas Province,Vegas
PRS1	Puriscal
PURI	Puriscal
QUEG	Quebrada Grande
QUEB	Quebradon, Cote
QCR	Quepos
QUEP	Quepos
QPS	Quepos
QPSR	Quepos
QCR1	Quepos
SVQ2	Quepos
RETI	Reserva El Tigre
RVHC	Reventazn, Hacienda Colima
RIOS	Rincon, Osa
ARTO	Ro Cuarto de Alajuela
RIFO	Rio Frio, Sarapiqui, Heredia
RMCR	Rio Macho
RIMA	Rio Macho
MOTZ	Rio Naranjo
BUS1	Rivas
ROBF	Roble, Puntarenas
CRSE	RSE
SAAN	San Antonio
SDS	Sanatorio Duran
CRUP	Sandillal
RAFA	San Farael, Volcan Turrialba, Cartago
RESJ	San Isidro (Turrialba)
SAJE	San Jernimo, El General
PISJ	San Jernimo (Tarrazu)
CENT	San Jose
SJR	San Jose
SAJU	San Juanillo, Guanacaste
A490	San Lazaro
RAZU	San Marcos de Tarrazu
ABE2	San Pablo
POAS	San Pedro de Poas
SPS	San Pedro Poas
SRBA	San Rafael, Buenos Aires, Puntarenas
SRA	San Ramon
RAMO	San Ramon
SRA1	San Ramn
SANTA	Santa Ana
SACU	Santa Cruz
AR5	Santa Elena
NY17	Santa Rosa
RVSTA	Santa Teresita
DOMI	Santo Domingo
VITO	San Vito
EDSV	San Vito
SVTC	San Vito de Coto Brus
LPSV	San Vito, P.H. Las Palmas
SARA	Sarapiqu
SARA1	Sarapiqu
SARCI	Sarchi
CSARO	SARO
CSAV	SAV
CSVA	Savegre Abajo, SVA
CSBL	SBL
CSCY	SCY
SECA	Sede Caribe UCR
CSGA	SGA
IRES	Siquirres
SELF	Sixty Eight Flow
CSNI	SNI
AR4	Solania
SONZ	Sonzapote
TABAC	Tabacon
TBLN	Tablon, Guarco
TCS1	Tacares
TCSO	Tacares
TAGU	TAGU
VTCG	Tajo
CVTV	Tajo
TFER	TFER
TIBA	Tibas
TLLA	Tiendilla
TIMP	Tierras Morenas
AR3	Tierras Morenas
TIG	Tigre
TILA	Tilaran
TIV	Tivives
TRT2	Tortugero
TRT1	Tortuguero
TRTC	Tortuguero
TRIO	Tres Rios
TUF	Tufares
TUI	Tuis
CTUR	TUR
TURIB	Turrialba
VTLA	Turrialba Volcano
VTCE	Turrialba Volcano
CVTQ	Turrialba Volcano Quemados
TRB2	Turrubares
NY14	Universidad de la EARTH en Liberia
INVE	Universidad Invenio (Canas)
UPAL	Upala
URSC	Urasca
PALAG	Urb. La Laguna, PAL
UVIT	Uvita
VAIN	VAIN
VBL1	Vara Blanca
VARE2	V. Arenal
VBV1	V. Barva
VENE	Venecia
VERH	Veragua Rainforest, Limn
VERB	Verbena
RVLA	Villa Bonita
VIMA	VIMA
VIRE	VIRE
VCR	Vista de Mar
CVMA	VMA
VACR	Volcan Arenal
ICR	Volcan Irazu
IRZ	Volcan Irazu
HAYA	Volcan Irazu
IRZ2	Volcan Irazu 2
VICA	Volcano Irazu
ICR3	Volcano Irazu 3
VPS6	Volcano Poas
VPS	Volcan Poas
VPS2	Volcan Poas 2
RIN3	Volcan Rincon
RIN	Volcan Rincon
RIN2	Volcan Rincon
VTU	Volcan Turrialba
VTR0	Volcan Turrialba
CVTR	Volcan Turrialba, Cartago
VTRE	Volcan Turrialba, Hacienda Retiro
VTRT	Volcan Turrialba, VTRT
VORI	VORI
VPL1	V. Platanar
VPL2	V. Platanar
VPL3	V. Platanar
VPS8	V Poas
VPS5	V. Poas
VTCV	VTCV, Calle Vargas, Turrialba
VTLO	VTLO
CVTG	V. Turrialba, Gupiles
WARN	West Arenal
ZARE	Zarcero
BAR1	
Puntarenas Province	
ICC1	Isla del Coco

El Salvador

ADES	Adelaida
AEIL	Aeropuerto Ilopango
SONS	AGAPE Sonsonate
AHU	Ahuachapan
CUSC	Alcaldia de Cuscatancingo
ALJI	Alcalda de Jiquilisco
LALI	Alcalda de La Libertad
PANCS	Alcalda de Panchimalco
QUEZ	Alcaldia de Quezaltepeque
FAGO	Alcalda de San Francisco Gotera
FAME	Alcaldia de San Francisco Menendez
SJTE	Alcalda de San Juan Tepezonte
SLOZ	Alcaldia de San Lorenzo
SANM	Alcaldia de San Marcos
SCLA	Alcaldia de Santa Clara
SOYA	Alcaldia de Soyapango
TECO	Alcaldia de Tecoluca
JUA	Alcaldia, municipal de Juayua
AYA	Ayagualo
LUNI	Base Naval La Union
BLLM	Bellamira
BOQS	Boqueron
CAHU	Cacacuatique
CPRS	Casa Presidencial
CTAS	Cauta
CIGS	Centro de Investigaciones Geotecnicas
COEG	Centro de Operaciones de Emergencia de Guadalupe
CNRM	Centro Nacional de Registro (CNR) San Miguel
CEVE	Cerro Verde
CLUB	Club Campestre
COAS	Coatepeque
COLS	Colinas
COEB	Comit de Emergencia de Berln
CNCH	Conchagua
CUSS	Cusmapa
CUS1	Cusmapa
IGN	Direccin General de Estadstica y Censos (DIGESTYC)
MONT	Ecomontana
ANGS	El Angel
LFRS	El Faro
PIC2	El Picacho
RANC	El Ranchito
RTR	El Retiro
ITCA	Escuela Especializada en Ingeniera
CRW	Hotel Crowe Plaza
HUES	Huehuecho
INTP	Intipuca
JAYA	Jayaque - finca La Azucena
JUCU	Jucuarn
LCND	La Caada
LCY	Lacayo
LCBS	La Ceiba
LFU	La Fuente
LLGN	La Laguna
LPS	La Palma
LBRS	Las Brisas
AIES	Las Flores
GRDS	Las Granadillas
NUBE	Las Nubes
PAVA	Las Pavas
LALZ	Loma Alta
LOMA	Loma Larga
LOAL	Lomas de Alarcon
LGUZ	Los Guarumos
MAGS	Ministerio de Agricultura y Ganaderia, Santa Tecla
MTO	Montecristo
MTO3	Montecristo
MTO2	Montecristo 2
NANS	Nanahuazin
NCS	Nueva Concepcion
OPAM	Oficina de Planificacin del Area Metropolitana de San Salvador
OJOS	Ojo de Agua
PACA	Pacayal
PMON	Piamonte
PICS	Picacho
PQSS	Presa 15 de Septiembre
P5NO	Presa 5 de noviembre
ACAJ	Puerto de Acajutla
QZA	Quezalapa
RBDL	Robledal
CEDA	San Andres
SBLS	San Blas
SJAS	San Jacinto
SNJE	San Jose
VSM	San Miguel
SSS	San Salvador
SJUZ	Santa Julia
SDMZ	Santiago de Maria
SDM	Santiago Maria
SNVI	San Vicente
SEMO	Seminario San Jose de La Montana
SNET	Serv Nac Est Terr
TACO	Tacachico
TCPZ	Tecapa
TECA	Tecapa
TME	Tecomasuche
UCHI	Unidad de Salud de Chinameca
UNIC	Universidad Catolica de El Salvador
UESS	Universidad de El Salvador
SMIG	Universidad de El Salvador San Miguel
UESV	Universidad de El Salvador, sede San Vicente
UDBS	Universidad Don Bosco
UEES	Universidad Evangelica
UTEC	Universidad Tecnologica
VICT	Victoria
VSS	Volcan San Salvador
YPE	Yupe
MUMZ	
SANZ	

Guatemala

Alta Verapaz	
AVPA	Panzos
JUT1	Aldea Palo Blanco
FG16	Alotenango, Sacatepequez
PS001	Antigua, Sacatepquez
JUAM	Asuncion Mita
BVG	Bouganvilia
BVA	Buena Vista
SMCA	Catarina
RECH	Champerico
CIM	Chimachoy
AVCS	Chisec, Alta Verapaz
AVCB	Coban
GUJV	Colegio Julio Verne
HUCU	Cuilco, Huehuetenango
SUCU	Cuyotenango, Suchitepequez
APG	El Apazote
STG5	El Palmar, Quitzaltenango
STG2	El Palmar, Quitzaltenango
STG0	El Palmar, Quitzaltenango
STG8	El Palmar, Quitzaltenango
ERG	Entre ros, Cuyotenango
ESQI	Esquipulas
ZAES	Estanzuela
ZAFR2	Estanzuela, Zacapa
PCG4	Fina el amate
PETF	Flores
FGO	Fuego
FGO2	Fuego 2
FUG	Fuego 3
GCG	Guatemala City
GUNB	GUNB
HUG	Huitzitzil
ITG	Itzapa
QCIX	Ixc¡n
IXG	Ixpaco
IZABA	Izabal, Puerto Barrios
JAT	Jato
JMG	Jumaytepeque
JNJ	Junjel
KJA	Kiajanaja
KIK	Kika Raxquin
SOKI	Kika Raxquin
KKG	Kukul
QUEO	Labor Ovalle
LHG	La Concha
CMG	La Cumbre
CMG2	La Cumbre 2
FLS	Las Flores

Code	*Station Name*	*Other*
NBG	Las Nubes	
LVG	La Victoria	
LTG	Los Tablones	
MMG	Magdalena	
MRL	Marmol	
GUMI	Mixco	
JAMO	Monjas	
JUMO	Montufar	
MYT	Moyuta	
MOYG	Moyuta, Jutiapa	
OCG	Ocos	
OC2	Ocos 2	
OLG	Olintepeque	
SROR	Oratorio, Santa Rosa	
GCG4	OSOP	
PCG	Pacaya	
JUT0	Polideportivo Conguaco	
PEPO	Popt^{9}n, Petn	
PSG	Pto de San Jose	
PSG2	Pto San Jose 2	
QZG	Quezaltepeque	
RDG	Rabinal	
REC	Recreo	
RTAL	Retalhuleu	
ESSG	Sabana Grande	
QUIS	Sacapulas	
SBL	Sacbachol	
SXG	Sacranix	
SLP	San Antonio	
ESSJ	San Jos, Escuintla	
GUSP	San Jose Pinula	
SJT	SanJuan Tecuaco	
SMSP	San Marcos	
CMSM	San Martin Jilotepeque	
JUT3	San Pedro, Conguaco	
SASJ	Santa Mara de Jes^{9}s	
SOG	Santiaguito	
SOG2	Santiaguito 2	
STG3	Santiaguito 3, El Palmar	
PCG5	San Vicente Pacaya, Escuintla	
SBG	Sibinal	
SLG	Sinonel	
SULM	Suchitepequez, La Maquina	
TCG	Tacana	
SRTX	Taxisco	
CHTG	Tecpan	
TEP	Tecpan	
TP2	Tecpan 2	
TER	Terranova	
ESTQ	Tiquisate	
VLG	Velasquez	
PCG2	Volcan de Pacaya, Repetidora Emisoras Unidas	
JUT2	Volcan Moyuta, Jutiapa	
FG8	Yepocapa, Chimaltenango	
YUP	Yupiltepeque	
ZIS	Zishin	
FG6		
	Honduras	
	Choluteca	
CHOHN	Orocuina	
AMPH	Amapala	
CHUH	Cerro de Hula	
HLH	Cerro de Hule	
COMHN	El Horno	
JUTIH	Juticalpa Olancho	
INTHN	La Esperanza Intibuca	
LHAH	Las Aradas	
LTH	Lepaterique	
NISHN	Nisperales Comayagua	
SSU	San Pedro Sula	
SARH	Santa Rosa de Copan	
TGUH	Tegucigalpa,Univ of Honduras	
UNAH	Universidad Nacional Autonoma de Honduras	
YORHN	Yoro	
YUSH	Yuscaran	
	Islas de la Bahia	
ROTH	Roatan	
	La Paz	
MARCA	Marcala la Paz	
	Santa Barbara	
CHIHN	Chmisales	
	Nicaragua	
	Chinandega	
EVIJ	El Viejo	
R4631	Marina puesta del sol	
	Leon	
AAHN	Alcaldia de Achuapa	
MACN	El Madrono	
PLRN	Geotermica Polaris Volcan Telica	
ALEN	Leon	
MOM1	Volcan Momotombo	
	Madriz	
RCFN	Al S de San Juan del Rio Coco	
	Managua	
APQ2	Apoyeque	
R4DEC	Barrio San Luis	
RE6B4	Centro civico	
SAPS	Ciudad Sandino San Andres de las Palancas	
R45A8	Distro VI	
R1F03	Distro VII	
RA5A7	El Crucero	
RB28C	Hialeah	
R8CCA	La Lomita	
R0529	La Mascota	
MAFN	Magfor	
RB213	Mirador 2 Volcan Masaya	
R1628	Naciones Unidas	
SBEN	San Benito	
USIM	UNAN	
R1E40	Villa Flor Norte	
APQ3	Volcan Apoyeque sitio 3	
CSAN		
HUEN		
	Masaya	
NANN	Nandasmo	
SABN	Sabanita	
ACON	Acoyapa	
ACY	Acoyapa	
AERN	Aeropuerto Managua	
AGUN	Aguas Calientes	
MAS3	Al N del Volcan Masaya	
PACN	Al O del Volcan Cerro Negro	
MORN	Al O del Volcan Concepcion	
QUEN	Al S del Volcan Telica	
CNGA	Al SSO del Volcan Cerro Negro	
OMEN	Al SSO del Volcan Concepcion	
JAPN	Al SSO del Volcan Masaya	
POLN	Al Sur del Volcan Telica	
HOYN	Al Sur del Volcan Telica	
WILN	Americas 2	
APYN	Apoyeque	
APY	Apoyeque	
APON	Apoyo	
ASE	Aserradero	
ABCN	Banco Central	
APQN	BB Volcan Apoyeque	
BLUN	Bluefields	
BOA	Boaco	
BOA1	Boaco	
BOAB	BOACO BROADBAND	
CORNA	Casa Canada	
CNGN	Cerro Negro	
PKGN	Cerro Pekin	
CHIN	Chinandega	
CNR	Chonco	
UNAN	Cigeo UNAN	
COFN	Cofrada	
TUF3	Comarca El Reventon, F3	
CONN	Concepcion	
COPN	Copaltepe	
COS	Cosiguina	
CSGN	Cosiguina Volcano	
CYN	Coyotepe	
CR12B	CR12B	
ADRN	Diriamba	
MOM2	El Cardon	
TUN3	El Chorizo, N3	
TUB4	El Congo, B4	
TUB3	El Consuelo, B3	
CRUN	El Crucero	
TUN7	El Madrono, N7	
TUN6	El Paraiso, N6	
AESN	El Sauce Leon	
CHNN	El Viejo	
ENAN	Enatrel Managua	
OCON	Estacion meteorologica de Ocotal	
ESTN	Esteli	
LIMN	Finca el Limon	
GRNN	Granada	
NADN	Granada	
XAVN	Gruta Xavier	
JIG	Jinotega	
TUN10	La Concepcion, N10	
TUC12	La Esperanza, C12	
TISN	Laguna Tiscapa	
TUN8	La Morita, N8	
TUN13	La Rica Arriba, N13	
TUF4	Las Colinas, F4	
TUF2	Las Cuatro Esquinas, F2	
ESPN	Las Esperanzas	
LNB	Las Nubes	
TUN2	Las Piedras Blancas, N2	
BRAN	Las Pilas	
TUN5	Las Pilas, N5	
TUN11	La Tejera, N11	
LEON	Leon	
LIY	Limay	
TUF5	Los Angeles, F5	
TUB5	Los Potreros, B5	
MGAN	Managua	
MGA1	Managua	
MCH	Masachapa	
MSHP	Masachapa	
AMYN	Masaya	
MASN	Masaya	
MATN	Matagalpa	
AMTN	Mateare	
MMO	Medio Mundo	
MIRN	Miramar	
TUN1	Miramar, N1	
MOCN	Mocoron	
MOM3	MOM3	
MOBN	Mombacho	
MOMN	Momotombo	
MOMJ	Momotombo	MOMN
TUN12	Monte Christo, N12	
MOYN	Moyogalpa	
BC86	Nagarote	
TUF6	Nancite Dulce, F6	
NC01	NC01	
NC02	NC02	
NC03	NC03	
NC05	NC05	
NC06	NC06	
NC08	NC08	
NC09	NC09	
NC10	NC10	
NC11	NC11	
NC12	NC12	
NC13	NC13	
NC15	NC15	
NC16	NC16	
NC18	NC18	
NC19	NC19	
NC20	NC20	
OME	Ometepe	
PYT	Playitas	
PYTN	Playitas	
PYN	Poneloya	
POTN	Potosi Cosiguina	
TUN4	Puerto Momotombo, N4	
QUIN	Quiabu	
CARN	Rivas	
RTN	Rota	
ROCN	Rota Cerro Negro	
LEVN	Ruinas Leon Viejo	
TUF1	Sabana Grande, F1	
CRIN	San Cristobal	
BC87	San Francisco Libre	
HUGN	San Franciso LIbre	
ILCN	San Idelfonso Volcan Cerro Negro	
SSNN	San Juan del Sur	
SSN	San Juan del Sur	
RCON	San Juan de Rio Coco, Nicaragua	
SMCN	San Marcos	
TISMR	San Ramon, TISM	
SCRN	Santa Cruz	
CNG6	Santa Emilia	
TUC13	Santa Rosa, C13	
TUN9	Santa Rosa del Penon, N9	
TUB1	San Vicente, B1	
DECN	Sinapred Managua	
SOMN	Somoto	
RCPN	Sur Rio San Juan del Rio Coco	
ALLN	Telcor Managua	
TELN	Telica	
TEL3	Telica 3	
TICN	Ticuantepe	
TIPN	Tipitapa	
SIUN	Universidad Uracan	
RCVN	Varillal2	
VER	Veracruz	
MADN	Villa Maderas	
BC84	Volcan Momotombo	
HERN	Volcan Telica	
	North Caribbean Coast	
BILN	Bilwi Airport	
	Rivas	
ARIN	Rivas	
	Pacific Ocean, West of Costa Rica	
CR139	OBS 139	
CR140	OBS 140	
CR141	OBS 141	
CR14S	OBS 14S	
CR15	OBS 15	
CR16	OBS 16	
CR18	OBS 18	
CR193	OBS 193	
CR194	OBS 194	
CR195	OBS 195	
CR196	OBS 196	
C197S	OBS 197S	
CR198	OBS 198	
CR199	OBS 199	
CR19S	OBS 19S	
CR20	OBS 20	
CR200	OBS 200	
C201S	OBS 201S	
CR202	OBS 202	
CR203	OBS 203	
CR204	OBS 204	
CR205	OBS 205	
C206S	OBS 206S	
CR207	OBS 207	
CR208	OBS 208	
CR209	OBS 209	
CR21	OBS 21	
CR210	OBS 210	
CR211	OBS 211	
CR212	OBS 212	
CR301	OBS 301	
CR302	OBS 302	
CR303	OBS 303	
CR304	OBS 304	
C305S	OBS 305S	
CR306	OBS 306	
C307S	OBS 307S	
CR308	OBS 308	
C309S	OBS 309S	
CR310	OBS 310	
CR311	OBS 311	
CR312	OBS 312	
CR313	OBS 313	
CR314	OBS 314	
CR315	OBS 315	
C316S	OBS 316S	
CR317	OBS 317	
CR318	OBS 318	
CR319	OBS 319	
CR320	OBS 320	
CR321	OBS 321	
CR322	OBS 322	
CR323	OBS 323	
CR38	OBS 38	
CR39	OBS 39	
CR40	OBS 40	
CR41	OBS 41	
CR42	OBS 42	
NB03	OBS NB03	
NB04	OBS NB04	
NB05	OBS NB05	
NB06	OBS NB06	
NB07	OBS NB07	
NB08	OBS NB08	
NB09	OBS NB09	
NB10	OBS NB10	
NB11	OBS NB11	
NB12	OBS NB12	
NB13	OBS NB13	
NB14	OBS NB14	
O098	OBS O098	
O099	OBS O099	
O100	OBS O100	
O101	OBS O101	
O102	OBS O102	
O104	OBS O104	
O106	OBS O106	
O107	OBS O107	
O108	OBS O108	
O109	OBS O109	
O110	OBS O110	
O111	OBS O111	
O113	OBS O113	
O114	OBS O114	
CSS01	OBS SS01	
CSS02	OBS SS02	
CSS03	OBS SS03	
CSS10	OBS SS10	
CSS12	OBS SS12	
CSS14	OBS SS14	
CSS15	OBS SS15	
CSS16	OBS SS16	
CSS17	OBS SS17	
CSS18	OBS SS18	
CSS20	OBS SS20	
CSS21	OBS SS21	
	Panama	
ACHO3	Achotines, Los Santos	
CHGR2	Aguacate	
ACLA	Agua Clara, Sierra Llorona en Colsn	
APOP	Alto Boquete	
BQSF3	Alto Boquete, Panama	
ACH	Altos	
ARIEL	Armuelles	
ARRA3	Arraijan, Panama	
AZU	Azuero	
BAG2	BAG2	
BAGA3	Bagala, Chiriqui	
BHP	Balboa Heights	
BRU	Baru	
ISBTO	Bastimentos Island	
BYN	Bayano	
BGUAL	Bijagual, Panama	
WILLF	Boquete	
BQTLY	Boquete Panama	
BRNON	Bren. E. de Neily	
RBALA	Bur	
CALO3	Calobre, Veraguas	
CAMBU	Cambutal, Los Santos	
CNAZ3	Canazas, Veraguas	
CNTA3	Canitas, Panama	
CGLLO	Canta Gallo	
CAZU	Cerro Azul, Panama City, Panama	
NDIMA	Cerro Iglesias	
JEF	Cerro Jefe	
CVEJO	Cerro Viej	
CNI	Changuinola	
CHPO	Chepo, Panama	
CHIR3	Chiriqui UPA, Chiriqui	
CHIT3	Chitre	
ECO	Colon	
ECO2	Colon	
CLLRA	Cordillera,	
CORZ	Corozal	
SPIL	Cristobal, Colon	
CCCH3	David	
DVD	David	
CSTBL	De las Acacias, David	
DMCAL	E. de Neily	
CACAO	El Cacao, Veraguas	
CORT	El Cortezo, Los Santos	
CRIS3	El Cristo, Cocle	
CNI2	El Empalme, Bocas del Toro	
FRIJ	El Hiral	
PROG	El Progreso, Chiriqui	
VTON	El Valle, Cocle	
DAP26	falda E V. Baru	
BANCO	falda S V. Baru	
FLAM	Flamenco Island	
FH-PM	Fort Sherman	
FH-	Fort Sherman	FH-PM
FTA	Fortuna	
GAMB1	Gamboa	
GUAL3	Gualaca, Chiriqui	
GMAL	Guarumal, Veraguas	
CGUAY	Guayabal, Cochea	
P0844	Hornito Dam	
IPE	Ipeti	
BCIP	Isla Barro Colorado	
ISECA	Islas Secas	
AJB2	Jaromillo Abaja	
KKNTU	Kakint	
CHOR3	La Chorrera	
LESP3	La Esperanza, Chiriqui	
LGT	Lagarterita	
SCZLJ	Lajas Adentro	
MESA3	La Mesa, Veraguas	
LOMA3	Las Lomas, Chiriqui	
LVS	La Villa de Los Santos	
LMNES	Limones	
LIMO3	Limones	
LOCO3	Loma Colorada, Chiriqui	
BQT2	Los Cabezos	
LNBQ3	Los Naranjos, Chiriqui	
MACA3	Macaracas	
MAD3	Madden Dam	
MCANO	Manzana, Boquern	
PDCAN	Manzana , Fuente del Carmen	
PCZAN	Manzana , Plaza de Cais	
MARI3	Mariato, Veraguas	
UPD2	Meteti	
MFS3	Miraflores	
MIRA3	Miramar, Colon	
MLIR	Monte Lirio	
MLIR3	Monte Lirio, Chiriqui	
NANC3	Nancito, Chiriqui	
OCU3	Ocu, Herrera	
DHOFF	Oeste 158, Volcn	
PSOM3	Paja de Sombrero, Chiriqui	
BCO2	Palmira	
BASP	Panama	
PML3	Paraiso	
PRISO	Paraso	
BC3P	Paso Ancho	
PEDA3	Pedasi	
AZU2	Pedas	
PEDE3	Pedregal, Chiriqui	
PNME	Penonome	
PESE3	Pese, Herrera	
PTP1	Petroterminal	
PTPA	Petro Terminal	
PTPM	Petroterminales	
PINA	Piqa, Costa Abajo de Colsn	
PCRI3	Pocri, Los Santos	
PONU3	Ponuga, Veraguas	
DVD2	Portal de la Riviera, DVD	
PTAR3	Potrerillos Arriba, Chiriqui	
PRT2	PRT2	
PBNVO	Pueblo Nuevo, Bur	
ARM	Puerto Armuelles	
ARM2	Puerto Armuelles 2	
PVID3	Puerto Vidal, Veraguas	
QLAJS	Quebrada de Lajas	
REME3	Remedios, Chiriqui	
RMDIO	Remedios, Chiriqu	
RSUS3	Rio de Jesus, Veraguas	
RSRNO	Rio Sereno	
SABA3	Sabanitas, Colon	
SBAR3	San Bartolo, Chiriqui	
SFX2	San Felix	
SFRA3	San Francisco, Veraguas	
DVD3	San Pablo Viejo, Chiriqui	

Code	*Station Name*	*Other*
SCLRA	Santa Clara, W. de V.Baru	
SCZRO	Santa Cruz, Renacimiento	
SAFE3	Santa Fe, Veraguas	
STIA3	Santiago, Veraguas	
JEFFS	S de V. Baru	
TABO3	Taboga, Panama	
TOSI3	Tonosi	
TOTI	Torti	
UPD1	Univ de Panama	
UPIG	Univ. de Panama	
UPA	Univ. de Panama	
VANT3	Valle de Anton	
STCAT	Veraguas	
BRU2	Volcan	
TBS3	Volcan, TBS2	
ZANG	Zanguenga, Chorrera	
TBS2		

EUROPE

Austria

A002B	Bockfliess
A011B	Reinberg
A011A	Rohrbach
A005A	Schmida
A024B	Sipbachzell
A005B	Stockerau
A002A	Strasshof

Albania

BCI	Bajram Curri
BERA1	Berat
BERA	Berati
BURR	Burrel, Albania
DURR	Durres
ELBAS	Elbasan
FIER	Fieri
FRZ	Fierza
HIMA	Himara
TIR1	Institute of Geosciences in Tirana
KMA	Kami
KBN	Korca
KKS	Kukesi
LACI	Lac
LSK	Leskovik
PHP	Peshkopia
POGR	Pogradec
PRZA	Preza
PUK	Puka
QSH	Qafa e Shtames
SRN	Sarande
SDA	Shkodra
TPE	Tepelena
TIR	Tirane
VLO	Vlora

Alborean Sea

OA01	Alborean Sea OBS, OB01
OA02	Alborean Sea OBS, OB02
OA03	Alborean Sea OBS, OB03
OA04	Alborean Sea OBS, OB04
OA05	Alborean Sea OBS, OB05
OA06	Alborean Sea OBS, OB06
OA07	Alborean Sea OBS, OB07
OA08	Alborean Sea OBS, OB08
OA09	Alborean Sea OBS, OB09
OA10	Alborean Sea OBS, OB10
OA11	Alborean Sea OBS, OB11
OA12	Alborean Sea OBS, OB12
OA13	Alborean Sea OBS, OB13
OA14	Alborean Sea OBS, OB14
OA15	Alborean Sea OBS, OB15
OA16	Alborean Sea OBS, OB16
OA17	Alborean Sea OBS, OB17
OA18	Alborean Sea OBS, OB18
OA19	Alborean Sea OBS, OB19
OA20	Alborean Sea OBS, OB20
OA21	Alborean Sea OBS, OB21
OA22	Alborean Sea OBS, OB22
OA23	Alborean Sea OBS, OB23
OA24	Alborean Sea OBS, OB24
OA25	Alborean Sea OBS, OB25
OA26	Alborean Sea OBS, OB26
OA27	Alborean Sea OBS, OB27
OA28	Alborean Sea OBS, OB28
OA29	Alborean Sea OBS, OB29
OA30	Alborean Sea OBS, OB30

Alsace

CIEL	Dossenheim-sur-Zinsel
STHE	Hesingue, 68135, Haut-Rhin, Alsace
HOHE	HOHENGOEFT
ILLF	Illfurth
SRPO	La Wantzenau - Station Regionale de Protection des Oiseaux
LEMB	Lembach
NEEW	Neewiller pres Lauterbourg
STUF	Presbytere Uffheim, 68341 Uffheim, Haut-Rhin
SZBH	soultz borehole - etangs GEIE
URBF	Urbes
VOEG	Voegtlinshoffen
VOEL	Voellerdingen
WALT	Westhalten
ZELS	Zelsheim

Andorra

PAND	Andorre
ARBS	La Rabassa
SCOL	Santa Coloma

Aquitaine

IRAF	Chalets d'Iraty - Larrau, Pyrenees-Atlantique, France
RUFF	Ruffiac, Nouvelle Aquitaine, France

Austria

ABTA	Abfaltersbach
WINA	Alland / Wienerwald
ABNA	Allensteig Bunker Niedersterreich Austria
A016A	Allerheiligen
A003A	Andau
ARSA	Arzberg
A036A	Aschau i T
BIOA	Bad Ischl, Austria
A025A	Baerendorf, Steiermark
A023A	Baumgartsaur, Oberoesterreich
A033A	Bluehnbach
CONA	Conrad Observatory
CSNA	Conrad Observatory
DAVA	Damuels
A021A	Deutsch Goritz
A004A	Ebreichsdorf
A028A	Falkendorf, Steiermark
A001A	Falkenstein
FETA	Feichten
A010A	Fuerstenfeld
PTNA	Georgistollen Pitten
GHA	Glashutten
GRA	Graz
PYNA	Herlindestollen, Grillenberg, Lower Austria
A022A	Hirschenstein, Niederoesterreich
A027A	Holzern, Kaernten
HUNA	Hunoldsheilm
INN	Innsbruck
IBK	Innsbruck
A032A	Johann am Walde
A019A	Kaintal
A037A	Kartellspeicher, Verwall
KFA	Klagenfurt
A006A	Kleinriedenthal
KBA	Koelnbreinsperre
A038A	Kramsach, Tirol
KMR	Kremsmunster
A015A	Langauhaeuser, Niederoesterreich
A012A	Langenwang
A020A	Lannach
LTA	Leoben
A024A	Marchtrenk
MZA	Mariazell
A007A	Messern
D159	Metnitz
MOA	Molln
MOTA	Moosalm
OGA	Obergurgl
D163	Oberwoelz
OBKA	Obir
D155	Oppenburg
PIA	Pitten
A029A	Rabinger, Steiermark
RETA	Reutte
RONA	Rosalia, Austria
A018A	Rothwald
SQTA	Sankt Quirin
SINA	Schiltern, Lower Austria
D093	Schlaiten
SCE	Schlegeis
D156	Schoederberg
LESA	Schwarzleotal - Leogang
SESA	Seetaler Alpe, Styria
D135	Seidlwinkl
SOKA	Soboth
SOSA	Sonnblick Observatory
A034A	Stadlberg, Tirol
A030A	Steinbach
D161	St. Johann am Tauern
MYKA	Terra Mystica
A014A	Thumling
A008A	Tiefenfucha
A013A	Umbach
A026A	Unterfahrungsstollen, Kaernten
UNNA	Unterstinkenbrunn
VKA	Vienna
VIE	Vienna
A017A	Waidhofen
WATA	Walderalm
A009A	Wartmannstetten
A035A	Wasserfallboden
WTTA	Wattenberg
A031A	Wolfsedt, Oberoesterreich, Austria

Auvergne

LQF	Le Quartier
LEUC	Leucamp
OGMY	Moye

Azores

PAGU	Agualva, Azores
PCAPE	Capelo, Faial
PFCBR	Castelo Branco, Faial, Azores
POVGA	Lagoa
PGRON	Lagoa das Contendas
PLAJ	Lajes
ALML	Lajes
LOMB	Lombego
PMAD	Madalena
PMOS	Mosteiros
PNOR2	Nordeste
PPJ	Porto Judeu
PPOV	Povoao
PPV	Praia da Vitria
RIBE	Ribeira
PRIG	Ribeira Grande
PRIB2	Ribeirinha
RSCH	Rosais
SALAO	Salao
PSCRZ	Santa Cruz da Graciosa, Aores
PROQ	So Roque
SETE	Sete Cidades
PTOPO	Topo S. Jorge
URZL	Urzelina
VPORT	Vila do Porto, Ilha de Santa Maria, Portugal

Baden-Wurttemberg

EBIN	Albstadt-Ebingen
IRRE	Albstadt-Irrenberg
ONST	Albstadt-Onstmettingen
BABA	Baden-Baden-Neuweier
SAUL	Bad Saulgau
BALG	Balingen, Zollernalbkreis
BREI	Breisach am Rhein
DEGG	Deggingen-Nordalb
FREI	Freiburg, Hauptfriedhof
FRIE	Friedrichshafen
HEID	Heidelberg, Weststadt
HEIN	Heilbronn
FLIN	Helmstadt-Bargen-Flinsbach
JUNG	Jungingen
KARL	Karlsruhe, Majolikafabrik
KONZ	Konstanz
LAEN	Laengenau (near Selb, Bavaria)
MANN	Mannheim
MSGN	Moessingen, Sulzgasse
MONI	Mosbach-Nuestenbach-im-Wald
NAGL	Nagold
FREU	Neufra-Freudenweiler
GALG	Neuhausen (Enzkreis), Galgenberg
OFFE	Offenburg-Weierbach
REUL	Reutlingen
ROTE	Rottweil
STUT	Stuttgart, Hoppenlaufriedhof
SUBU	Sulzburg
TETT	Tettnang
TUEB	Tuebingen, Eugenstrasse
ULMD	Ulm
URBA	Urbach, Forststuetzpunkt Haeule
VOGT	Vogtsburg - Totenkopf, Kaiserstuhl
WOER	Woert

Basse-Normandie

GOTF	Gouttieres - 27292 - Eure - Normandie
LOUF	Saint-Loup
SROF	Saint-Romphaire - Manche - Normandie - France

Bayern

RTBE	Buergeleck
FFB1	Fuerstenfeldbruck Borehole
KW1	Garching a.d. Alz
MKON	Konnersreuth
BE1	Monatshausen
RTSH	Staufenhaus Bad Reichenhall
RTSA	Steiner Alm
ZUGS	Zugspitze, Schneeferner

Belarus

NE54	Brest
NE57	Homyel'
MNK	Minsk
NACGM	Naroch
NE53	Naroch'

Belgium

BLRG	Bleregnies	
BBOU	Bougnies	
C01	C01	
C02	C02	
C03	C03	
C04	C04	
C05	C05	
C06	C06	
C07	C07	
C08	C08	
C11	C11	
C12	C12	
C13	C13	
C14	C14	
C16	C16	
C18	C18	
BCLA	Clavier	
BCES	Court-Saint-Etienne	
BDSL	Dessel	
DOU	Dourbes	
NE06	Dourbes	DOU
BEBN	Eben Emael	
BGES	Gesves	
GIP	Gileppe	
BHOU	Houvegnez	
BLCH	La Chartreuse	
BMRD	Maredsous	
MEM	Membach	
BMOL	Mol	
BOPT	Opiter	
BOST	Ostende	
RCHB	Rochefort	
BRQR	Ronquire	
BSTI	Sart Tilman	
SNF	Seneffe	
BSKQ	Steenkerk	
TGA	Tangissart	
BTNL	Ternell	
UCC	Uccle	
WRM	Warmifontaine	
BZEV	Zevekote	
NE33		MEM

Bosnia and Herzegovina

BLY	Banja Luka
BLJ	Bijeljina
BOCA2	Boac Bosnia and Herzegovina
DOB	Doboj
HAPS	Han Pijesak,BIH
KALIN	Kalinovik
A050A	Klekovaca
KLINJ	Klinje
KNYS	Krupa na Uni
SRKY	Kupres RS
MST	Mostar
MRAK	Mrakovica
A051A	Mrakovica
MGRS	Mrkonjic Grad
NEVS	Nevesinje
PRIJ	Prijedor
RUDO	Rudo
SAR	Sarajevo
SLATY	Slatina
A052A	Srbac
TRA	Travnik
TREB	Trebinje

Bourgogne

MOLES	Molesme
PLYF	Puligny Montrachet

Bretagne

BEGF	Beganne - 56011 - Morbihan - Bretagne - France
BIMF	Belle-Ile-en-Mer - Bangor - Morbihan - Bretagne - France
CAMF	Camaret-sur-Mer, Bretagne, France
GUEF	Guhenno - 56071 - Morbihan - Bretagne - France
LOCF	Locquirec - 29133 - Finistre - Bretagne - France
PLEF	Pleven - 22200 - Ctes-d'Armor - Bretagne - France
PLOF	Ploemeur
OLIV	Plomelin

Bulgaria

AVR	AVREN
KALB	Balgarevo
BG13A	Balgari
BLSH	Balsha
RAZAM	Belene
BLKB	Belogradchik
BG19A	Bojichen
BOZV	Bozvelijsko
DIM	Dimitrovgrad
DOBAM	Dobrich
DOBR	Dobrina
ELND	Elena
BG11A	Hljabovo
BG04A	Jeravna
KKB	Krupnik
KUBB	Kubrat
KDZ	Kurdzhali
KOZAM	Lom-Kozlod
LOZB	Loznitsa
MPEP	Malo Peshtene
BG12A	Mamarchevo
MNNAM	Montana
MMB	Musomishta
NEF	NEVSHA
ORIA	Oriahovo
PGB	Panagyurishte
PVL	Pavlikeni
PLNA	Plana
PLVB	Pleven
PLD	Plovdiv
PSN	Preselentsi
PRD	Provadia
RAZG	Razgrad
ROIA	ROIÄK
RZN	Rozhen
RUSAM	Ruse
SHAB	Shabla
SILAM	Silistra
BG01A	Skala
BG02A	Smolnica
SOF	Sofia
SZH	Strazhitsa
BG03A	Sucha_Reka
TRAN	Tran
VALD	Valchedram
VETAM	Veliko Turnovo
PLVAM	Vidin
BG05A	Vinarsko
VTS	Vitosha
JMB	Yambol
YUN	Yundola

Canary Islands

CINF	Adeje, Tenerife
CADE	Adeje, Tenerife
TANA	Aaga
TAFO	Arafo
TARO	Arona
CBRE	Brena Baja,La Palma
CBOL	Buenavista del Norte, Tenerife
TCHA	Chavao
TCHI	Chimiche
CENR	El Paso, La Palma
CMIR	El Paso, La Palma
TFAS	Fasnia
CFOR	Fortaleza, Los Realejos, Tenerife
CFLP	Fuencaliente de la Palma, La Palma
CTEN	Fuencaliente, La Palma
CDOS	Garachico, Isla de Tenerife
CROM	Garafia, La Palma
CGIN	Giniginamar, Fuerteventura
CGRA	Granadilla de Abona, Tenerife
TGUI	Guia de Isora
GUIA	Guia de Isora, Tenerife
CGUI	Guimar, Tenerife
TTAO	Hotel Taoro
CNOR	Icod de los Vinos, Tenerife
CLOB	Isla de Lobos, Fuerteventura
CJED	Jedey, El Paso, La Palma
TESP	La Esperanza
CDIE	La Orotava (Tenerife)
CPVI	La Orotava (Tenerife)
CCHO	La Orotava (Tenerife)
EXILP	La Palma
CNAO	La Restinga, El Hierro
CLLA	Los LLanos de Aridane, La Palma
CREA	Los Realejos, Tenerife
TPAR	Parque del Teide
CGOR	Puntagorda, La Palma
CPUN	Puntallana, La Palma
CCAL	Punta Orchilla, El Hierro
EXROQ	Roquillos
CLUM	San Bartolome de Tirajana (Gran Canaria)
TSIS	San Isidro
TSJR	San Juan de la Rambla
CTFS	San Miguel de Abona,

	Tenerife	
TSTE	Santiago del Teide	
CTAC	Tacoron (Frontera - El Hierro)	
TNOR	Teide Nord	
CBLAA	Tinajo	
CTIM	Tinajo, Isla de Lanzarote	
CVIL	Vilaflor	
CLAJ	Vilaflor (Tenerife)	
CMAZ	Villa de Mazo, La Palma	
CVIE	Villa de Mazo, La Palma	
Carpathian Mountains		
BERU	Beregovo	
BRIU	Brid	
CHRU	Chernivtsi	
CRA	Chernovtsy	
CRB	Chernovtsy (B)	
HOLU	Holmets	
HORU	Horodok	
KORU	Korolevo	
KSV	Kosov	
KMPD	K-Podol'skiy	
LVV	L'vov	
MEZ	Mezhgor'ye	
MRSS	Morshin	MORS
MORS	Morshin	
MORU	Morshyn	
MUKU	Mukachevo	
NDNU	Novodnistrovsk	
NSLU	Nyzhne Selyshche	
ONO	Onokovtsy	
RAKU	Rahkiv	
RAK	Rakhov	
SHIU	Shidnytsya	
STNU	Starunia	
STZU	Stuzhytsa	
TRSU	Trosnyk	
UZH	Uzhgorod	
Centre		
BSCF	Bossay-sur-Claise - 37028 - Indre-et-Loire - France	
CSCF	Crouy-sur-Cosson - 41071 - Loir-et-Cher - Centre-Val de Loire - France	
GIZF	Gizeux - Indre-et-Loire - Centre-Val de Loire - France	
SRNF	Nancay - 18159 - Cher - Centre-Val de Loire	
Corse		
MCECU	Monte-Cecu, CORTE	
Crete		
ALKR	Alikarnassos	
G0LD	Chrisopigi ,Chania, Crete Is.	
DEYA	Deyax Mournies Chania	
PATE	Hrakleion	
IMOD	Iera Moni Odigitrias - Faistos, Heraklion, Crete Is.	
IPPL	IPPL - HMU, Tria Monastiria, Rethimno,Crete	
KNSS	Knossos, Herakleion, Crete Is., Greece	
KSER	Kseropotamos	
LENT	Lentariana Chania	
ABEA	Nea Chora Chania	
NERO	Nerokourou, Chania, Crete Is.	
MULT	Pachiana Chania	
PFKS	Pefkos, Heraklion	
PERI	Perivolia Chania	
POLY	Polykladiko Chania	
CHNB	Souda	
SOUD	Souda Bay, Chania, Crete Is.	
TEFL	Tefeli, Heraklion, Crete, Greece	
ATEI	TEI Chania	
VOUT	Voutes	
SFK2	Vouvas Sfakia	
Crimea		
ALU	Alushta	
OPUK	Cape Opuk	
DNZ2	Donuzlav2	
FEO	Feodosiya	
KERU	Kerch	
SEVA	Sevastopol	
SEV	Sevastopol'	
SIM	Simferopol'	
SUDU	Sudak	
TARU	Tarkhankut	
MI20	Yalta	
YAL	Yalta	
Croatia		
BATN	Batina	
BRJN	Brijuni	
DBRK	Dubrovnik	
DBR	Dubrovnik	
DUGI	Dugi Otok	
DUOK	Dugi Otok	
A255A	Hotnja, Vukomericke Gorice	
HVAR	Hvar	
KALN	Kalnik	
A253A	Karojba, Istria	
KIJV	Kijevo	
LSTV	Lastovo	
LOBO	Lobor	
MAKA	Makarska	
MORI	Morici	
MOSL	Moslavina	
NVLJ	Novalja	
OTOC	Otocac	
OZLJ	Ozalj	
A254A	Petrova Gora	
PLIT	Plitvice	
POL	Pola	
PTJ	Puntijarka	
RABC	Rab	
RICI	Ricice	
RIY	Rijeka	
A251A	Rujevac	
A250A	Rusevo Krmpotsko	
SAVD	Savudrija	
SEB	Sibenik	
SNJ	Sinj	
SISC	Sisak	
STON	Ston	
SMRN	Sveta Marina	
UDBI	Udbina	
A252A	Venje	
VINV	Vinovac	
VIRC	Vir	
ZAG	Zagreb	
ZAG*	Zagreb	
ZIRJ	Zirje	
Czech Republic		
ACDC	Adrspach	
ANAC	Anensky vrch	
PIVO	Bartosovice	
BEDC	Bedrichov	
BERN	Bernov	
BILA	Bila Hurka	
BVOC	Bila Voda	
A084A	Bitov	
BHC	Bohunice	
A087A	Bouzov	
A083A	Cachotin	
RYBC	Ceska Rybna	
CKRC	Cesky Krumlov	
CHE	Cheb	
A072A	Chudenice	
CHVC	Chvalec	
A081A	Dobrichov	
DPC	Dobruska-Polom	
DOUB	Doubravka	
A079A	Drachov	
DUDC	Dudkovice	
GOPC	GO Pecny, Ondrejov, Czech Republic	
HAVC	Havirov	
HSKC	Hora Svate Kateriny	
JIND	Jindrichovice	
KACW	Kaceov	
KHC	Kasperske Hory	
A077A	Kestrany	
KLAU	Klauda	
A078A	Klet	
KOCW	Kopaniny	
A074A	Kozel	
KRLC	Kraliky	
KRCW	Kraslice	
A075A	Krivoklat	
KVC	Kvetna	
LACW	Lazy	
LIPC	Lipinka	
A080A	Loreta	
LOSC	Losov	
LUBY	Luby	
LBCW	Luby	
LUKC	Luka	
A076A	Makova Hora	
A073A	Manetin	
MAUC	Maruska	
A090A	Maruska	
KRUC	Moravsky	
MORC	Moravsky Beroun	
KRDU	Moravsky Krumlov	
MUTC	Mutkov	
MUVC	Mutkov	
MYDU	Mysliborice	
NADU	Naloucany	
A089A	Nesovice	
A086A	Nove Hrady	
NKC	Novy Kostel	
OSTC	Ostas	
OKC	Ostrava-Krasne	
PVCC	Panska Ves	
POCA	Pocatky	
POCW	Potky	
PODE	Poderiste	
PRA	Prague	
PBCC	Pribram	
PRIC	Primda	
PRU	Pruhonice	
RICC	Richard	
RUDU1	Rudlice	
SKAC	Skalice	
SUPC	Skalka u Prostejova	
SKC	Skalna	
SPLC	Slavetin - Pod lesem	
STAC	Stalkov	
A071A	Stare Sedliste	
STEB	Steborice	
SEDU	Stepanovsky lom, Miroslav	
A085A	Strazek	
STCW	Studenec	
A088A	Tovacov	
TREC	Trest	
TRCW	Trojmez	
UPC	Upice	
VAC	Vackov	
VACK	Vackovec	
JAVC	Velka Javorina	
VRAC	Vranov	
VRCH	Vrchy	
ZHC	Zelena Hora	
A082A	Zivanice	
ZVC	Zvikov	
LUTC		
CHOC		
PRSC		
ZAPC		
Denmark		
BSD*	Akirkeby	BSD
BSD	Bornholm Skovbrynet	
BFOD	Brorfelde Observatory, Denmark	
COP	Copenhagen	
GID	Gilleleje	
GOET	Gøttrup	
HAMD	Hammershus, Denmark	
LLD	Lille Linde	
NE03	Logumkloster	
NE02	Monsted	
MUD	Monsted U'grnd	
OVD	Ostervraa, Denmark	
SSRD	Sdr. Stenderup	
STE00	Stenlille00	
STE01	Stenlille01	
STE02	Stenlille02	
STE03	Stenlille03	
STE04	Stenlille04	
STE05	Stenlille05	
STE06	Stenlille06	
STE07	Stenlille 07	
T1BD	T1BD	
T2BD	T2BD	
T3BD	T3BD	
T4BD	T4BD	
T5BD	T5BD	
T6BD	T6BD	
T7BD	T7BD	
T801	T801	
T802	T802	
T803	T803	
T804	T804	
T805	T805	
T806	T806	
T807	T807	
T808	T808	
T809	T809	
T810	T810	
T811	T811	
T812	T812	
T813	T813	
T814	T814	
T815	T815	
T816	T816	
T817	T817	
T818	T818	
T819	T819	
T820	T820	
T899	T899	
T998	T998	
T999	T999	
VEND	Venslev, Denmark	
England		
BEDF	Bedfield, Suffolk	
CTON	Carlton	
DOV	Dover Castle, Kent	
ELMS	Elmsett, Ipswich	
STARF	Guisborough	
AQ12	Selside	
AU08	Settrington	
AR07	Slaidburn	
STBN	Sutton Bonington	
AP12	Ulpha	
WINS	Winston	
Estonia		
ARBE	Arbavere	
EE02	Kiisa, Saku	
MTSE	Matsula	
EE01	Perakula, Nova	
NOPE	Perakula, Nova, Laane-Nigula	
EE07	Piusa caves, Voru Municipality	
SRGE	Sarghaua, Pohja-Parnumaa, Estonia	
EE08	Sarghaua, Vandra	
EE06	Soera, Palade, Hiiumaa island	
SRPE	Suurupi	
TTU	Tartu	
TRTE	Tartu	
EE03	Tooma soojaam, Jogeva	
EE05	Udria, Vaivara	
EE04	Vaivara Sinimaed	
VSU	Vasula	
Finland		
ALAJF	Alajrvi	
AAL	Aland	
OBF1	Elvisluoto, Pyhjoki	
ELFV	Espoo, Elfvik	
LEPP	Espoo, Leppvaara	
MAES	Espoo, Malminkorpi	
OTRA	Espoo, Otaniemi	
HEL5	Espoo, Suvisaaristo	
TAGC	Espoo, Tapiola	
TVJP	Espoo, Tvijlp	
FA05	FA05	
FA06	FA06	
FA07	FA07	
FA08	FA08	
FA09	FA09	
FA10	FA10	
FA11	FA11	
FB03	FB03	
FB05	FB05	
FB06	FB06	
FB07	FB07	
FB08	FB08	
FB09	FB09	
FB10	FB10	
FB11	FB11	
FC03	FC03	
FC04	FC04	
FC05	FC05	
FC06	FC06	
FC07	FC07	
FC08	FC08	
FC09	FC09	
FC10	FC10	
FC11	FC11	
FD03	FD03	
FD04	FD04	
FD05	FD05	
FD06	FD06	
FD07	FD07	
FD08	FD08	
FD09	FD09	
FD11	FD11	
FD12	FD12	
FD14	FD14	
FD15	FD15	
FE03	FE03	
FE04	FE04	
FE05	FE05	
FE06	FE06	
FE07	FE07	
FE08	FE08	
FE09	FE09	
FE10	FE10	
FE11	FE11	
FE12	FE12	
FE13	FE13	
FE14	FE14	
FE15	FE15	
FF02	FF02	
FF04	FF04	
FF05	FF05	
FF06	FF06	
FF07	FF07	
FF11	FF11	
FF12	FF12	
FF13	FF13	
FF14	FF14	
FF15	FF15	
FF30	FF30	
FF31	FF31	
FF32	FF32	
FF33	FF33	
FF90	FF90	
FF91	FF91	
FF92	FF92	
FF93	FF93	
FF94	FF94	
FG01	FG01	
FG02	FG02	
FG03	FG03	
FG04	FG04	
FG05	FG05	
FG06	FG06	
FG07	FG07	
FG08	FG08	
FG09	FG09	
FG10	FG10	
FG11	FG11	
FG12	FG12	
FG13	FG13	
FG14	FG14	
FH02	FH02	
FH03	FH03	
FH04	FH04	
FH05	FH05	
FH06	FH06	
FH07	FH07	
FH09	FH09	
FH10	FH10	
FH11	FH11	
FH12	FH12	
FH13	FH13	
FH14	FH14	
FINES	FINESS Array Beam Reference Point	
FIA0	FINESS Array Site A0	FINES
FIA1	FINESS Array Site A1	
FIA2	FINESS Array Site A2	
FIA3	FINESS Array Site A3	
FIB1	FINESS Array Site B1	
FIB2	FINESS Array Site B2	
FIB3	FINESS Array Site B3	
FIB4	FINESS Array Site B4	
FIB5	FINESS Array Site B5	
FIB6	FINESS Array Site B6	
FIC1	FINESS Array Site C1	
FIC2	FINESS Array Site C2	
FIC3	FINESS Array Site C3	
FIC4	FINESS Array Site C4	
FIC5	FINESS Array Site C5	
FIC6	FINESS Array Site C6	
FJ01	FJ01	
FJ02	FJ02	
FJ03	FJ03	
FJ05	FJ05	
FJ06	FJ06	
FJ07	FJ07	
FJ08	FJ08	
FJ09	FJ09	
FJ11	FJ11	
FJ12	FJ12	
FK04	FK04	
FK05	FK05	
FK06	FK06	
FK07	FK07	
FK08	FK08	
FK09	FK09	
FK10	FK10	
FK11	FK11	
FKAF	FKAF	
FVAF	FVAF	
HEL3	Helsinki	
HEL2	Helsinki	
HEL	Helsinki	
HEL1	Helsinki	
HEL4	Helsinki	
MUH	Helsinki, Munkkiniemi	
HEF	Hetta	
IMAF	Imatra	
JOE	Joensuu	
JOF	Joensuu	
KMNF	Kaamanen	
KJF	Kajaani	
KJN	Kajaani	
KJNF	KAJAANI	
OBF7	Kamusenper, Kalajoki	
NE62	Kangasniemi	
KAF	Kangasniemi	
KPF	Kankaanpaa	
KU5	Karpankyla	
KU7	Kasma	
NE63	Kauhava	
OBF6	Kekajrvi, Ylivieska	
KEF	Keuruu	
KEV	Kevo	
KEV1	Kevo	
KIF	Kilpisjarvi	
KLF	Kolari	
KY04	KOUVOLA	
KY11	KOUVOLA	
KY01	KOUVOLA	
KY03	KOUVOLA	
KY10	KOUVOLA	
KY02	KOUVOLA	
KY12	KOUVOLA	
KY13	KOUVOLA	
KY05	KOUVOLA	
KY15	Kouvola, Finland	
KU8	KU8	
KUNI	Kuninkaantammi	
KU1	Kurvinen	
LAUT	Lauttasaari Helsinki	
KU4	Liikasenvaara	
LOVF	Loviisa	
MSF	Maaselka	
OUF	Merijarvi	

Code	Station Name	Other
MEF	Metsahovi	
NIF	Nilsia	
NE61	Nurmijarvi	NUR
NUR	Nurmijarvi	
TRE03	Orivesi, Finland	
OUFX	Oulainen	
OLKF	Oulanka, Finland	
OUL	Oulu	
PVF	Pernaja	
KY14	Pilkanmaa	
PKK	Porkkala	
PRV	Porvoo	
PRF	Porvoo	
KU3	Posio	
PUF	PUOLANKA	
RAJF	Raja-Jooseppi	
RANF	Ranua	
RAF	Rauma	
KU6	Riekki	
RMF	Romuvaara	
RNF	Rovaniemi	
RUF	Ruokolahti	
RUFX	Ruokolahti	
RUSK	Ruskeasuo	
RSUO	Ruskeasuo, Finland	
OBF3	Siikajoki	
SDF	Sodankyla	
SGF	Sodankyl	
SOD	Sodankyl	
SUF	Sumiainen	
OBF0	Syolatti, Pyhajoki	
KU2	Taivalkoski	
TRE01	Tampere, Finland	
KY17	Tirva, Finland	
KY06	Tolkkila, Finland	
TOF	Tornio	
TVF	Tvarminne	
OBF8	Ulkokalla	
VRF	Varrio	
OBF5	Vihanti	
OBF4	Vikkela, Lumijoki	
VJF	Virojoki	
VUOS	Vuosaari Helsinki	
OBF2	Ylip, Raahe	
VAF	Ylistaro	
JYSA		
France		
Alsace		
BAF	Belacker	
CHAF	Chalampe	
CDF	Champ du Feu	
ECH	Echery	
GBF	Grand Ballon	
GWF	Grand Wintersberg	
HOFF	Hoffen	
LANF	Langenberg	
MOF	Molkenrain	
SMM	Ste Marie-Mines	ECH
STR	Strasbourg	
SUBF	Surbourg	
SRBF	Surbourg	
WLS	Welschbruch	
Aquitaine		
ARH	Archignac	
NE10	Arette	
ATE	Arette	
ARTL	Arthez-de-Bearn	
BTH	Betharram	
BOH	Bohocortia	
CESL	Cescau	
LRVF	chteau la Rivire	
ELYF	Elaudy	
ESCF	Escot	
PYF	Esparros	EPF
EPF	Esparros	
ETSF	Etsaut	
ISSF	Issarbe	
JAU	Jaout	
LACL	Lacq	
USIL	Lacq-Usine	
LFF	La Frestale	
LAGL	Lagor	
LARF	Larrau	
NE09	Les Eyzies	
LHE	Lhers	
LDBL	Lucq-de-Bearn	
MADF	Madeleine	
MONL	Mont	
REYF	Montagne du Rey	
ONF	Office Forets	
OGE	Ogeu	
ORDF	Ordiarp	
OSML	Os-Marcillon	
OSSF	Osses	
SJPF	Ste Jean	
TERF	Tercis-les-Bains	
URDF	Urds	
Auvergne		
ACDF	Aurillac	
BGF	Bois d'Agland	
CFF	Clermont-Ferrand	
NE16	Clermont-Ferrand	CFF
COLF	Collangettes	
PLDF	La Plantade	
LBL	Lubilhac	
MAF	Mazirat	
MZF	Mazirat	
PYM	Petit Puy Manson	
PDD	Puy-de-Dome	
AGO	Saint Agoulin	
Basse-Normandie		
LDF	La Druitiere	
FLN	La Foliniere	
SSC	Saint Sauveur de Carouges	
Bourgogne		
AVF	Avril sur Loire	
AVFP	Avril sur Loire	
GRC	Garchy	
LBF	Les Buteaux	
LOR	Lormes	
MLV	Malvaux	
POU	Pouilloux	
SSF1	Saint Saulge	
SSF	Saint Saulge	
SMF	Signal de Mont	
Bretagne		
BST	Brest	
LPF	Le Pertre	
QUIF	Quistinic	
RENF	Rennes	
ROSF	Rostrenen	
SGMF	Saint Gilles	
Centre		
NE08	Aigurande	
CLF	Chambon-Foret	
HYF	Humbligny	
Champagne-Ardenne		
MEZF	Maizieres J'ville	
RFYF	Reffroy	
RMSF	Reims	
SAVF	Savonnieres en Perthois	
SFTF	Sexfontaines	
Corse		
AJAF	Ajaccio	
AJAC	Base Areonavale d'Aspretto	
CVF	Calvi	
CORF	Corte	
OSPF	L'Ospedale	
LURI	Luri	
MORSI	Morsiglia	
BONIF	Phare de Pertusato	
PGF	Pioggiola	
SMPL	Sampolo	
A213A	Autrey-Les-Gray, 70041, Haute-Saone, Franche-Comte	
BALS	Balsiges	
BARI	Barisis-aux-bois	
BELVR	Belvoir	
A199A	Bergerie de la Roque, 34343, Viols le Fort, Herault	
BESN	Besneville	
STBO	Bollwiller	
CERNS	CERN, Surface station	
A214A	Chassal, 39113, Jura,	
A186A	Chichilianne, 38103, Isere, Auvergne-Rhone-Alpes	
CHIF	Chize	
CIREY	Cirey Neuves-Granges	
CLEV	Clevilliers	
TURF	col de Turini - Moulinet	
A215A	Commelle, 38121, Isere, Rhone-Alpes	
D01	D01	
D50	D50	
D51	D51	
D53	D53	
A202A	Domaine de Cadables, 34109, Gabian, Herault	
AVEN	Fontenotte	
A205A	Foret Domaniale des Maures Clau de Barrau, 83071, La Londe-les-Maures	
PAGF	Fort de Pagny la Blanche Cte (52)	
A164A	Fourg, 25253, Doubs,	
STFL	Fournets-Luisans, 25288, Doubs, Franche-Comt	
GZIER	Gzier-et-Fontenelay	
HARD	Hardivillers-en-Vexin	
A158A	Haudompre, 88088 La Chapelle-aux-Bois, Vosges, Lorraine	
LANAN	Lanans	
A178A	Lathuile, 74147, Haute-Savoie, Auvergne-Rhone-Alpes	
A217A	Le Caire, 04037, es-de-Haute-Provence, e, Provence-Alpes-Cote d Azur	
SAVIG	Le Moulin, Savigny, Haute-Savoie, FR	
MIGAL	Le Pradet	
FDAF	Les Forges d'Abel	
A210A	Manonville, 54348, Meurthe-et-Moselle,	
A201A	Marais du Vigueirat, 13004, Arles, Bouches-du-Rhone	
A208A	Marignana, 2A154, Corse-du-Sud, Corse	
A200A	Mas Saint Remy, 30006, Aimargues	
A194A	Meolans-Revel, 04161, Alpes-de-Haute-Provence	
MERIC	Mericourt-en-Vimeu	
A216A	Montmorin, 05088, Hautes-Alpes, Provence-Alpes-Cote d Azur	
NAFE	NAFE	
NOCA	Nice OCA	
A193A	Nyons, 26220, Drome, Rhone-Alpes	
OBP	Observatoire de Paris	
OISEL	Oiseley-et-Grachaux	
CURIE	Paris	
A185A	Peyrins, 26231, Drome, Auvergne-Rhone-Alpes	
AMID2	Plan de l'Aiguille, Chamonix - Mont Blanc, France	
MIOU	Port Miou	
A206A	Radio balise VOR, 83065, Gassin, Var, Provence-Alpes-Cote d Azur	
A204A	Roquefort la Bedoule, 13085, Bouches-du-Rhone	
A188A	Saint Laurent les bains, 07262, Ardeche, Auvergne-Rhone-Alpes	
A184A	Saint Michel d-Aurance, 07276, Ardeche, Auvergne-Rhone-Alpes	
SALEV	Salve	
A157A	Serqueux, 52470, Haute-Marne	
STOF	St-Etienne Orgue	
A163A	Tart-Le-Haut, 21623,	
A173A	Vacheresse, 74286, Haute-Savoie, Auvergne-Rhone-Alpes	
A192A	Valvigneres, 07332, Ardeche, Auvergne-Rhone-Alpes	
A209A	Venzolasca, 2B343, Haute-Corse, Corse	
EILF	Villa Eilenroc - Antibes	
VILS	Ville-en-Selve	
A211A	Xaffevillers, 88527, Vosges,	
Franche Comte		
BSF	Ballon Servance	
BES	Besancon	
CNF	Cerre-les-Noroy	
CHMF	Charmoille	
OG05	Jujurieux	
CABF	La Chapelle	
LOMF	Lomont	
MDGS	Mont de Guillon, France	
ROF	Roppe	
VOU	Vouglans	
Ile-de-France		
PAR	Paris	
NE07	Villiers-Adam	VDM
VDM	Villiers-Adam	
Languedoc-Rousillon		
PERF	Col du Perthus	
FILF	Fillols	
LRDF	Laroque-de-Fa	
MTLF	Montolieu	
MTHF	Mouthoumet	
SJAF	Saint Jean de L'Alberes	
SMCF	Saint Martin du Canigou	
TRGS	Targassone	
TRBF	Trabuc cave	
VALF	Valcebollere	
VDCF	Villefranche	
Limousin		
FRNF	Fournols	
LSF	La Souterraine	
RJF	Les Rejaudoux	
NE18	Les Rejaudoux	RJF
SER	Sermur	
TCF	Toulx Ste Croix	
VERF	Verneugheol	
Lorraine		
BACF	Baccarat	
HAU	Haudompre	
HINF	Hinteralfeld	
THEF	They Montfort	
VITF	Vittel	
Midi-Pyrenees		
BDB	Bagneres-Bigorre	
CAF	Calviac	
CARF	Carcanieres	
RESF	Ens	
ENSF	Ens	
FESP	Espira	
GRBF	Gourbit	
LABF	Labassere	
LPEF	Le Peyrat	
LPO	Le Pouchou	
LESF	Lescure	
LSPF	Lesparou	
PYLO	Lourdes	
MELF	Melles	
MONQ	Montcuq	
FMON	Montouss	
MLS	Moulis	
FNEB	Nbias	
SALF	Salau	
VIEF	Viey	
Nord-Pas-de-Calais		
BAIF	Baives	
DOMF	Dompierre	
GIVF	Givet	
LIL	Lille	
Pays de la Loire		
GRR	Gorron	
LMF	Le Mans	
PIAC	Piriac/mer	
SGR	Segre	
Picardie		
MENF	Mencas	
Poitou-Charentes		
OLEF	Ile d'Oleron	
LCHF	La Chataigneraie	
LRYF	La Roche-sur-Yon	
MATF	Mathat	
PRYF	Perigny	
MFF	Saint Martin du Fouilloux	
Provence-Cote d'Azur		
OG22	Abries	
ANTF	Antibes	
ARBF	Arbois	
OGAG	Argentiere	
ARTF	Artigues	
ASPF	Aspremont	
AURF	Auriere	
BELV	Belvedere	
BERF	Bertagne	
OG15	Briangon	
CDR	Cadarache	
CAGN	Cagnes-sur-Mer	
CALN	Calern	
CALF	Calern	
CMF	Cannet Maures	
SAUF	chteau de Saumane	
CHDN	Chaudanne	
CBBF	Combe Brimond	
SPIF	crte de Spivol - 06156, Venanson - Alpes-Maritimes - Provence-Alpes-Cte d'Azur	
CREF	Crivoux	
OGDI	Digne	
FLAF	Flassans-sur-Issole	
FOUF	Fouillouse	
GANF	Ganagobie	
GELF	Grande-Etoile	
NIMR	Imredd Nice	
ISO	Isola	
JAUF	Jausiers	
BSTF	la Bastide-des-Jourdans	
FRF	La Foret Royale	
LMR	La Mourre	
AUTN	L'Aution	
OG25	Le Caire	
BLAF	les Blancs	
ESCA	l'Escarene	
LRG	Lorgues	
LUCF	Luceram	
MAR	Marseilles	
MLYF	Mely	
MENA	Menton	
MBDF	Montbardon	
NICEF	Mont Chauve - France	
TOUF	Mont Tournerait	
MVIF	Mont Vial	
MUIF	Mont Vial	MVIF
NCER	Nice Cerbom	
NCAU	Nice, cimetire Caucade	
NCAD	Nice - Cite Administrative des Alpes-Maritimes	
NPOR	Nice, Eglise du Port	
NALS	Nice, Jardin Alsace-Lorraine	
NLIB	Nice, Liberation	
NBOR	Nice, Mont Boron	
NROC	Nice, Saint-Roch	
PRAF	Pradon	
PUYF	Puyloubier	
LEPF	PUYLOUBIER	
REVF	Revere	
OG20	Riallon	
ROG	Rognes	
ROU	Rougiers	
RUSF	Rustrel	
OG21	Saint-Cripin	
STET	Saint-Etienne-de-Tinee	
OG19	Saint-Julien-en-Beauchene	
OG14	Saint-Maurice-en-Valgodemard	
SURF	Saint Ours	
SAOF	Saorge	
SMRF	Simiane la Rotonde	
ASEAF	Site Antares, Toulon	
SBF	Sospel	
SLAF	St Laurent du Var	
SPF	St-Paul-en-Foret	
TAVF	Tavernes	
TREF	Trevaresse	
TRIGF	Trigance	
VILF	Villemus	
Rhone-Alpes		
OG18	Albannette	
OG24	Aussois	
BROM	Bains de Bromines	
BOF	Bonneval	
OG32	Castellane	
OG13	Choranche	
OG16	Combovin	
OG08	Commelle	
OG35	Corcelles	
OG29	Digne	
OGMO	Fort Saint-Gobain, Modane	
GDM	Grand'Maison	
GGF	Granges-Gontardes	
GRN	Grenoble	
GRN*	Grenoble	
OG28	Izon-la-Bruisse	
OG04	La Clusaz	
LNS	Lanslevillard	
LPL	La Plagne	
LPG	La Plagne	
OG27	Meolans	
OG02	Monnetier-Mornex	
OG11	Montagny	
MNY	Monteynard	
OG06	Moye	
OG34	Musihges	
ORIF	Oris-en-Rattier	
PCHF	Pas de la Coche	
OG17	Prunihres	
RSL	Roselend	
OG33	Roure	
OG07	Sainte-Reine	
OG10	Saint-Etienne-de-Cuines	
VIVF	Saint-Julien-le-Roux	
OGSM	Saint Maurice de Rotherens	
OCF	Saint Nazaire	
SSB	Saint Sauveur en Rue	
OG09	Saint-Thibaud-de-Couz	
OG03	Samoens	
OGSI	Sixt	
SOU	Souberoche	
LASF	Ste Croix	
OG26	St.-Nazaire-Desert	OCF
OG23	Tende	
OG01	Vacheresse	
OG12	Villaroger	
OG30	Villeneuve d'Entraunes	
Franche Comte		
BOUC	Bouclans	
FAHY	Fahy-Ls-Autrey	
FOURG	Fourg	
RIVEL	MONT RIVEL	
RONF	Ronchamp	
A306A	Viano (RE)	
Germany		
Baden-Wurttemberg		
BUCH	Bad Urach	
BEU	Beuren	
BFO	Black Forest	
BHBD	Braunhartsberg	
BREM	Bremgarten	
BRET	Bretten	
BUH	Buhlerhohe	
EFR	Efringen	
ENDD	Endenburg	
ENGD	Engstlatt	
ERPF	Erpfingen	
FEL	Feldberg	
FELD	Feldberg im Schwarzwald	
FBB	Freiburg im Breisgau	
FWS	Furtwangen	
GUT	Gutenstein	

Code	Station Name	Other
HSND	Hausen	
HEI	Heidelberg (Koenigstuhl)	
HDH	Heidenheim-Charlottenhoehle	
HOH	Hohenheim	
HTN	Hohentengen	
HUN	Hundersingen	
JUND	Jungingen	
KRL	Karlsruhe	
KRW	Karlsruhe West	
KIZ	Kirchzarten	
BERGE	Lenzkirch (DE)	
LBG	Lerchenberg	
LIBD	Limburg	
LOES	Loerrach-Stetten	
MSS	Messtetten	
METMA	Mettma DE	
MSG	Moessingen	
NEI	Neipperg	
OFBG	Offenburg	
OPP	Oppenau	
RAV	Ravensburg	
SWS	Schriesheim-Wilhelmstollen	
SGW	Sigmaringen-Wittberg	
SIND	Sindeldorf	
SISB	Singen-Schiener Berg	
SPAK	Spaichingen-Kochelsberg	
STAB	Staufenbuehl	
STAU	Staufen im Breisgau	
STU	Stuttgart	
TUB	Tubingen	
TUBL	Tuebingen-Lennartz	
UBR	Ueberruh	
WEIL	Weil am Rhein	
WYH	Wyhlen	
ZWI	Zwiefalten, Hayingen-Wimsen	
Bayern		
ALTM	Altmuhljura-Amtmannsdorf	
BHG	Bad Reichenhall	
BGLD	Berchtesgaden	
CHKA	Cham-Katzbach	
FALK	Falkenberg	
I26DE	FREYUNG INFRASONIC ARRAY REFERENCE POINT	
FUR	Furstenfeldbruck	
PART	Garmisch-Partenkirchen	
GAPA	Garmisch-Partenkirchen	
GAP	Garmisch-Partenkirchen	
GERES	GERESS Array Beam Reference Point	
GEA0	GERESS Array Site A0	
GEA1	GERESS Array Site A1	
GEA2	GERESS Array Site A2	
GEA3	GERESS Array Site A3	
GEB1	GERESS Array Site B1	
GEB2	GERESS Array Site B2	
GEB3	GERESS Array Site B3	
GEB4	GERESS Array Site B4	
GEB5	GERESS Array Site B5	
GEC1	GERESS Array Site C1	
GEC2	GERESS Array Site C2	GERES
GEC2A	GERESS ARRAY SITE C2A	
GEC2B	GERESS ARRAY SITE C2B	
GEC3	GERESS Array Site C3	
GEC4	GERESS Array Site C4	
GEC5	GERESS Array Site C5	
GEC6	GERESS Array Site C6	
GEC7	GERESS Array Site C7	
GED1	GERESS Array Site D1	
GED2	GERESS Array Site D2	
GED3	GERESS Array Site D3	
GED4	GERESS Array Site D4	
GED5	GERESS Array Site D5	
GED6	GERESS Array Site D6	
GED7	GERESS Array Site D7	
GED8	GERESS Array Site D8	
GED9	GERESS Array Site D9	
GRFO	Grafenberg	
GG-GR	Grafenberg	
GG-	Grafenberg Ar.	GG-GR
SB-	Grafenberg Ar.	GRF
GRB5	Grafenberg Array	
GRF	Grafenberg Array	
GRC4	Grafenberg Array	
GRC3	Grafenberg Array	
GRC2	Grafenberg Array	
GRC1	Grafenberg Array	
GRB4	Grafenberg Array	
GRB3	Grafenberg Array	
GRB2	Grafenberg Array	
GRB1	Grafenberg Array	
GRA4	Grafenberg Array	
GRA3	Grafenberg Array	
GRA2	Grafenberg Array	
GRA1	Grafenberg Array	GRF
MGBB	Grossbuechelberg	
MHAI	Haid-Arzberg	
RHAM	Hammer	
HOF	Hof	
HROE	Hohe Rhon--Flad	
RJOB	Jochberg	
MANZ	Manzenberg	
RMOA	Moar Alm	
MNH	Munich	
NAPF	Napfberg	
RNHA	Neuhaus	
NORI	Noerdlinger Ries-Bissingen	
RNON	Nonn-Bad Reichenhall	
NRD	Nordlingen	
NOTT	Nottersdorf	
OBER	Oberstdorf	
MROB	Rosenbuehl-Arzberg	
ROTZ	Rotzenmuhle	
MSBB	Schoenbrunner Berg-Wunsiedel	
VIEL	Selb-Vielitz	
WET	Wettzell	
RWMO	Wildenmoos	
MZEK	Zeckenberg-Ebnath	
Berlin		
BRN	Berlin	
BRL	Berlin--Free University	
BRNL	Berlin--Lankwitz	
Brandenburg		
POT	Potsdam	
A01	A01	
A02	A02	
A04	A04	
A05	A05	
A06	A06	
A07	A07	
A08	A08	
A09	A09	
A10E	A10E	
A11E	A11E	
A12	A12	
A13	A13	
A14	A14	
A15	A15	
A16E	A16E	
A17	A17	
A18	A18	
A19	A19	
A20	A20	
A21E	A21E	
A33	A33	
A50	A50	
A51	A51	
A52	A52	
A53	A53	
A54E	A54E	
A70	A70	
A71	A71	
A72	A72	
A80	A80	
A82	A82	
A83	A83	
A84	A84	
A85	A85	
A360A	Altes Rathaus Auernheim	
INSH	Angelsportverein	
A127A	Annweiler Trifels TMO65	
ASSE	Asse, Remlingen/Germany	
B01	B01	
B02	B02	
B03	B03	
B04	B04	
B05	B05	
B06	B06	
B07	B07	
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B09	B09	
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B66	B66	
B67	B67	
B70	B70	
B71	B71	
B72	B72	
B73	B73	
B74	B74	
B75	B75	
B82	B82	
A143A	Bad Bayersoien, Bavaria	
A115A	Bad Rappenau	
A109A	Bad Urach, Seeburg	
BBWF	Bergwerk Finstertal	
BEUR	Beuren	
BIBE	Biberach	
A104C	Biberach, Ahlen	
A104A	Biberach, Stafflangen	
A104B	Biberach, Stafflangen 2	
A352A	Bieberswoehr	
A113A	Birkenau	
A367A	Bundeswehrkaserne Erding	
HAUIG	Caf Hygge Rechberg	
GOR5	Dangenstorf	
A356A	Donaustauf	
DURL	Durlach	
A126A	Durlach TMO44	
A146A	Eggstetten, Simbach am Inn, Bavaria	
A353A	Eichelberg	
EMING	Emmingen-Liptingen DE	
A124A	Enzkloesterle	
A110A	Ernsthofen	
A147B	Fabach, Johanniskirchen, Bavaria	
FLTG	Flechtingen	
FAHL	Forsthaus Ahlhorn	
A144A	Forsting, Bavaria	
INS8	Friedhof Edesheim	
INS6B	Friedhof Kandel	
A362A	Friedhof Schoenenfeld	
SYKE	Friedhofskapelle bei Heiligenfelde	
IGAD	Garlstedt	
GOR3	Gartow	
DEEL	Gasfeld	
A106B	Goeppingen, Maitis	
A106A	Goeppingen, Maitis	
GORE	GORE	
GTTG	Gottingen	
A117A	Grosserlach	
A350A	Guttenberg	
HAM4	Hamburger Sternwarte	
HAM3	Hamburg/Geomatikum	
A141A	Hausham, Bavaria	
INS5	Hayna, Turnverein	
INS3	Hergersweiler	
A145A	Herrenchiemsee, Bavaria	
INS7	Herxheim Wasserbehaelter	
INS1	Heuchelheim BoxerKlub	
A148A	Johannesbrunn, Gerzen, Bavaria	
A147A	Johanniskirchen, Bavaria	
KASTN	Kahler Asten	
INS6	Kandel, Kundencenter Pfalzwerke	
A123A	Kehl	
LUET	Kirchberg, Germany	
A364A	Kloster Scheyern	
GOR2	Laase	
INS4	Landau	
INS4B	Landau	
LDO	Landau	
LDE	Landau	
LAGB	Langenfeld Grube Bendisberg	
LENE	LENE	
LUEB	Luebbecke	
MEINS	Meinersdorf	
A107B	Memmingen2	
A107C	Memmingen - Eisenburg	
A107A	Memmingen, Holzguenz	
MLFH	Mildenfurth	
MILB	Miltenberg	
MUHB	Muldenstein	
MUTEZ	Muttenz, alter Steinbruch Paradies / Bunker	
A368A	Natogelaende Bechhofen	
A355A	Neunburg	
NICK	Nickenich	
A359A	Niederharthausen	
A357B	Oberlauterbach	
A105A	Obersdorf, Schattenberg	
OCHT	Ochtendung	
A128A	Planckstadt TMO26	
A114A	Preunschen	
A351A	Priegendorf	
A358A	Raindorf	
RAST	Rastdorf	
A103A	Ravensburg, Horgenzell	
A103B	Ravensburg, Schmalleg	
A103D	Ravensburg, Wasserhochbh2	
A116A	Ravenstein	
RETHO	Rethem	
PYRM	Roes	
A119A	Rosenberg	
A357A	Rottenburg	
A100A	Rottenburg, Weiler	
A101A	Rottweil, Deisslingen	
A101B	Rottweil, Deisslingen 2	
A351B	Rudendorf	
RUE	Ruedersdorf	
A112A	Rupperstecken	
A369A	Schloss Sandsee - Pleinfeld	
A122A	Schmieheim	
A118A	Schrozberg	
GOR6	Seerau	
SEVE	Sevelten	
A102A	Sigmaringen, Junganu	
A363A	Solarpark Todtenweis	
INS2	Steinweiler	
ROTT	Steinweiler	
A121B	Sulzburg	
T10G	T10G	
T11G	T11G	
T12G	T12G	
T13G	T13G	
T14G	T14G	
T15G	T15G	
T16G	T16G	
T17G	T17G	
T18G	T18G	
T19G	T19G	
T1BG	T1BG	
T1MG	T1MG	
T21G	T21G	
T22G	T22G	
T24G	T24G	
T25G	T25G	
T26G	T26G	
T27G	T27G	
T28G	T28G	
T29G	T29G	
T2BG	T2BG	
T2MG	T2MG	
T30G	T30G	
T31G	T31G	
T32G	T32G	
T33G	T33G	
T34G	T34G	
T35G	T35G	
T36G	T36G	
T37G	T37G	
T38G	T38G	
T39G	T39G	
T3BG	T3BG	
T3MG	T3MG	
T40G	T40G	
T41G	T41G	
T42G	T42G	
T43G	T43G	
T45G	T45G	
T46G	T46G	
T48G	T48G	
T49G	T49G	
T4BG	T4BG	
T50G	T50G	
T51G	T51G	
T52G	T52G	
T53G	T53G	
T54G	T54G	
T55G	T55G	
T5BG	T5BG	
T60G	T60G	
T61G	T61G	
T6BG	T6BG	
T6MG	T6MG	
T7BG	T7BG	
T7MG	T7MG	
T8MG	T8MG	
T9BG	T9BG	
TBBG	TBBG	
GORT1	Trebel	
A108A	Ulm, Ringingen	
HES	Velbert-Hespertal	
A111A	Volkach	
A140A	Vorderriss, Lenggries, Bavaria	
GLOK	Waldbreitbach	
WALHA	Wallhausen, DE	
A361A	Wasserturm Kaisheim	
A366A	Wasserwerk Kaufbeuren	
A365A	Wasserwerk Schwabmuenchen	
A148B	Wimm, Aham, Bavaria	
A354A	Zirndorf	
Hamburg		
HAM	Hamburg	
Hessen		
GWBC	Aumenau	
WBH	Biblis	
WBG	Bieber	
WBB	Darmstadt	
ESP	Espenschied	
WBA	Furth	
HAT	Hattorf	
JUG	Jugenheim	
WBD	Lorch/Rhein	
GWBF	Romrod	
TNS	Taunus Mts	
TOD	Tromm	
UBBA	Unterbreizbach	
GWBE	Wiesbaden	
Mecklenburg-Vorpommern		
LID	Liddow	
RGN	Rugen	
Niedersachsen		
CLZ	Clausthal	
GTT	Gottingen	
NRDL	Niedersach Riedel	
RETH	Rethem/Aller, Germany	
Nordrhein-Westfalen		
BA01	Aachen	
AAC	Aachen	
BAHL	Ahlen	
BAVN	Auguste-Victoria Mine North	
BA12	Beaesweiler	
BA09	Bensberg	
BNS	Bensberg	
BEG	Bergheim	
BD01	Bergheim Laurentius Kirche	
NE35	Billerbeck	
BOC	Bochum	
NE36	Bochum	
BUG	Bochum--University	
BD11	Borschemich	
BD12	Bourheim	
CLG	Cologne	
BA08	Dellbruck	
DREG	Dreilaegerbach Talsperre	
BA11	Duren	
ENTS	Ennepetalsperre	
BA04	Fiesheim UWZ	
BA17	Glehn	
GSH	Grosshau	
BD04	Gut Margarthenhoehe	
BD05	Hambach	
BD08	Hambach Funkstation	
HMES	Hamm, Michael-Ende-School	
BA15	Heimerzheim	
HRH	Heinrich-Robert Mine	
BA13	Heinsberg	
BD09	Hochneukirch	
HOBG	Hohbusch	
HOK	Hohkeppel	
BA06	Horem	
BHXE	Hunxe	
BZER	Hnxe	
IBBE	Ibbenbueren East	
IBBS	Ibbenbueren South	
IBBN	Ibbenburen	
BD13	Immerath	
JCK	Jackerath	
JUE	Julich	
KLL	Kalltalsperre	
BA10	Klein Altendorf	
BA19	Koln Dom Grabung	
BA26	Kln Uni	
BA07	Koln University	
NE39	Krefeld	
BD14	Kuckum	
LAUG	Laupendahl	
MEC	Mechernich	
NE34	Mettingen	
BD03	Millendorf	
MWG	Munster	
OLFT	Oleftalsperre	
BD10	Pesch	
PLH	Pulheim	
BRHE	Rheinberg	
RPM	Rheinpreussen Mine	
RODG	Roetgen-Dahlheim	
BD07	Roetschberg	
BHOF	Ruhr-University Bochum -- Hof Stiepel	
BKLB	Ruhr-University Bochum--Klosterbusch Mine	

Code	Station Name	Other
BULI	Ruhr-University Bochum - Language Institute	
BSHA	Ruhr-University Bochum--Staatshockbauamt	
BTEZ	Ruhr-University Bochum--Technical Center	
BA05	Sindorf	
SORT	Sorpetalsperre	
BA18	Steinbach	
STB	Steinbach	
BA02	Stolberg	
BD02	Tagebau Bergheim	
BD15	Terra Nova	
TDN	Todenfeld	
BA16	Vanikum	
WBS	Wahnbachtalsperre	
RWB	Wassenberg	
BA03	Weissweiler	
BA14	Wollersheim	
NE41	Zyfflich	
Rheinland-Pfalz		
ABH	Alteburg	
AHRW	Bad Neuenahr-Ahrweiler	
BIW	Bindweide	
BLI	Bleialf	
BGG	Burgeitz	
DUP	Duppenweiler	
FACH	Fachingen	
HILG	Hillesheim	
FSH	Hochheid	
NAST	IGS Nastaetten	
IMS	Imsbach	
KTD	Kalmit	
KOE	Koeppel	
PEB	Petersbachel	
PIR	Pirmasens	
RIVT	Riveris	
RUP	Ruppelstein	
BHE	Schloss Buerresheim	
LOH	Wallersheim-Loch	
Sachsen		
BRG	Berggiesshubel	
CLL	Collm	
FBE	Freiberg	
GUNZ	Gunzen	
LEI	Leipzig	
MULD	Muldenberg	
TRIB	Obertriebel	
ROHR	Rohrbach	
SCHF	Schoenfels	
TANN	Tannenbergsthal	
WERD	Werda	
WERN	Wernitzgruen	
WUET	Wuestenhain	
Sachsen-Anhalt		
HLE	Halle	
NEUB	Neuenburg	
WIMM	Wimmelburg	
Schleswig-Holstein		
BSEG	Bad Segeberg	
HLG	Helgoland	
Thuringen		
CRUX	Bergwerk Schwarze Crux	
CHRS	Christianenhaus	
HKWD	Heukewalde	
HWTS	Hohenwarte Talsperre	
JEN	Jena	
KBDG	Kleinbodungen	
ABG1	Leinawald	
GRZ1	Mausoleum Waldhaus Greiz	
MODW	Modelwitz	
MOX	Moxa	
PLN	Plauen	
POSS	Possen	
SCHD	Schmiedefeld	
SON	Sonneberg	
ZEU	Talsperre Zeulenoda	
TAUT	Tautenburg	
THWA	Thringer Wald Luisenthal	
LEIB1	TS Leibis	
VITZ	Vitzeroda	
WESF	Westfeld	
ANNA	Wolkenburger Bergbaurevier	
Greece		
Crete		
AGN1	Agios Nikolaos	
IDI	Anoyia	
ARK1	Arkalochori	
CH01	Chania	
CH02	Chania	
CHAN	Chania	
FODE	Fodele	
GVD	Gavdhos	
GAVD	Gavdhos	
GVDS	Gavdos	
GOR1	Gortina	
HRKL	Herakleio	
HER3	Herakleio	
HER2	Herakleio	
HER1	Herakleio	
IACM	Heraklion	
IMMV	Iera Moni Metamorfosis, Varipetro, Chania, Crete	
FRMA	Ierapetra Chania	
THT2	Imerovigli	
KLMT	Kalamata	
KLDN	Kaloudiana Chania	
KARN	Karanos	
KRPT	Karpathos	
KSTL	Kastelli Heraklio	
KERA	Keramoti	
XRY	Khrisi	
KIS1	Kissamos	
KOSK	Kos Island	
KRIS	Kristallenia	
KTHR	Kythira	
LAST	Lasithi	
APEZ	Moni Apezanon	
NPS	Neapolis	
PLC1	Palaiochora Chania	
KNDR	Palaiochora Chania	
PRNS	Prines Rethymno	
RTH1	Rethymnon	
RODP	Rodopos	
SFK1	Sfakia	
SIT2	Siteia	
STIA	Sitia Lasithi	
SIVA	Sivas	
SKOR	Skordalos	
AKRT	Stavros Akrotiri	
CH03	Technical University Creta	
TMBK	Timbaki Heraklio	
VAM	Vamos	
ZKR	Zakros	
ACHL	Achilleion, Magnesia	
N029M	Achladochori, N029	
GR30	Achladokambos, Greece	
ACOR	Acrocorinthos	
S020	Ag. Anna	
VAG	Aggia Anna	
MHLO	Agia Marina, Milos Island	
AGT1	Agia Thekli	
SHTA	Agia Triada	
MET4	Agioi	
AXAR	Agios Charalampos	
EFSA	Agios Efstratios	
AGG	Agios Georgios	
AGEO	AgiosGiorgios, Aigialia, West Greece	
AIOA	Agios Ioannis, Aigialia, West Greece	
IKRA	Agios-Kirikos-Ikarias	
AGNA	Agios Nikolaos	
ANS1	Agios Nikolaos Laconias	
DYR	Agios Nikonas	
S040	Ag. Konstantinos	
N001M	Ag. Marina, N001	
AGRP	Agrapidokambos, Nafpaktia, West Greece	
AGR2	Agrinio	
AGR3	Agrinion	
AIA1	Aiani, KOZANI	
AIDA	Aidipsos	
S034	Aidipsos	
AIGN	Aigina	
AIGS	Aigio	
AIG2	Aigio	
AIG1	Aigion	
AIG3	Aigion	
AIG4	Aigion	
AKR1	Akrata	
AKRO	Akrotiri Santorinis	
ALPX	Alepoxori	
ALEX	Alexandroupolis	
ALN	Alexandroupolis	
ALX1	Alexandroupolis	
N023M	Aliakmonas, N023	
ALIK	Aliki, Aigialia, West Greece	
ALNA	Alonissos	
AOS2	Alonissos-2	
AOS	Alonnisos	
AML1	Amfilochia	
AMOR	Amorgos	
AMGA	Amorgos Island	
AMPL	Ampelaki	
AMPE	Ampelochori, Viotia, Greece	
AMYA	Amyntaio	
ANAF	Anafi Island	
THERA	Ancient Thera,Santorini,Greece	
ANDM	Andravida	
ANDRE	Andros, ANDR	
KFL	Anninata	
AAMF	Ano Amfeia	
ANX	Ano Chora	
MET3	Ano Fanari,Methana,Greece	
S006	Ano Karies	
N027M	Ano Kerassia, N027	
N028M	Ano Kerassia, N028	
KRT2	Ano Kourtesi LLia	
N008M	Ano Lampsista, N008	
AT04E	Ano Thoriko, AT04	
ANTK	Antikyra, Boeotia	
ANKY	Antikythira Island	
APE	Apeiranthos	
APER	Aper	
AXS	Araxos	
ARX	ARAXOS	
AOL1	Archaia Olimpia	
ARE2	Areopolis	
ARS1	Argos	
ARG2	Argostoli	
KES14	Argostoli (Greece)	
KER02	Argostoli (Greece)	
KES06	Argostoli (Greece)	
KES08	Argostoli (Greece)	
KES11	Argostoli (Greece)	
KES16	Argostoli (Greece)	
KES18	Argostoli (Greece)	
KES04	Argostoli (Greece)	
KES29	Argostoli (Greece)	
KES02	Argostoli (Greece)	
KES13	Argostoli (Greece)	
KES22	Argostoli (Greece)	
ARGA	Argostoli. Kephalonia	
KEF2	Argostoli. Kephalonia	
PE04E	Arkadiko, PE04	
RHD	Arkhangelos	ARG
ARG	Arkhangelos	
ARN1	Arnaia	
ARTB	Arta	
ART2	Arta	
AMT	Artemida-Makistos	
AST1	Astakos	
ASTA	Astypalaia	
ATAL	Atalanti	
ACHAR	Athens-Acharnes	
ACRA	Athens-Acropolis a	
ACRE	Athens-Acropolis e	
ACRK	Athens-Acropolis k	
DRPA	Athens-Drapetsona	
ELFA	Athens-Elefsina	
ATHP	Athens-Neo Psichiko	
ATU	Athens Obs.	ATH
ATH	Athens Observatory	
ATH5	Athens Parliament	
NOAC	Athens-Thissio	
ATHU	Athens University	
ATHR	Atheras, Cephalonia Island, Greece	
THT1	Athinios (Pelekanos)	
XANC	Avdira	
S027	Avlonas	
KEA00	Center of French Array, Koutavos Park, Argostoli (Cefalonia, Greece)	
KEB01	Center of German array, Koutavos Park, Argostoli (Cefalonia, Greece)	
CK00	CEPHALONIA KOUTAVOS	
CK15	CEPHALONIA KOUTAVOS 15	
CK40	CEPHALONIA KOUTAVOS 40	
CK06	CEPHALONIA KOUTAVOS 6	
CK83	CEPHALONIA KOUTAVOS 83	
CKWP	CEPHALONIA KOUTAVOS FF	
HKBG	Chalcis Bride	
S004	Chalkas	
S104	Chalkias	
PLN1	Chaniotis	
CHV1	Chavriata, Kefallonia	
CHOS	Chios island	
N016M	Chromio, N016	
S009	Chrysovitsi	
CMBO	Columbo, Santorini Isl.	
CORS	CORSSA, Aigion	
TYR1	Damasouli - Tyrnavos	
DMLN	Damoulianata-Kefalonia-Greece	
DLFA	Delphi	
DVI	Derveni	
DESFA	Desfina	
DSF	Desfina	
DESF	Desfina	
DID	Didima	
DIDY	Didyma	
TRGA	Dikaia	
N017M	Dimitra, N017	
DIMT	Dimitropoulo, Aigialia, West Greece	
DION	Dionisos Attiki	
PEFK	Dio Pefka	
N009M	Dipotamo, N009	
DDN	Dodoni	
GR14	Doliana, Greece	
TYR4	Domeniko	
DOMV	Domvrena, Viotia, Greece	
GR29	Doxa, Greece	
DRAG	Dragano-Lefkada	
SAM2	Drakei, Karlovasi, Samos	
DRA2	DRAMA	
GR02	Drama, Greece	
DRES	Drepano	
DRO	Drossia	
EDE1	Edessa	
EFP	Efpalio	
ITS1	Elaiones	
S024	Eleon	
EPID	Epidavros	
ERET	Eretria	
EREA	Eretria	
ERTR	Eretria, Euboea Island, Greece	
VTH	Erithrai	
IDHRE	Ermioni, IDHR	
TYR5	Evagelismos	
EVR	Evrytania	
EXG	Exogi	
PIR2	Faliron Pireas	
VFI	Filaki	
COUR	Fili	
THR7	Fira-Santorini	
FSK	Fiskardo	
FNA	Florina	
FLO1	Florina	
FLO2	Florina	
FLNA	Florina, UoWM	
SFIR	Foira Santorini	
KEFOR	Forestry Corps, Argostoli (Cefalonia, Greece)	
FILI	Fyli	
FYLH	Fyli, Attica	
PARN1	Fyli,Attica,Greece	
FYTO	Fytoko, Volos	
CRE3	Garipa, Crete, Greece	
HERG	Gazi, Herakleio	
RGE1	Gennadi, Rhodes Island	
S018	Gerania	
MGER	Gerania Oros	
N002M	Geroplatanos, N002	
SNT1	Gialos, Santorini	
GIA1	Giannitsa	
GINA	Giannouli	
VGL	Glafira	
GOU1	Goumenissa	
GUR	Goura	
GRE3	Grevena	
GRG	Griva	
GTH2	Gythion	
HAVD	Havdata, Cephalonia Island, Greece	
HORT	Hortiatis	
YDRA	Hydra	
SAM1	Iera Moni Zoodochou Pigis, Vathi, Samos	
IER1	Ierissos	
IGM2	Igoumenitsa	
IGT	Igoumenitsa	
IOSP	Ios island	
THI1	Ipato,Thiva,Greece	
ITE1	Itea	
ITC1	Ithaki	
ITM	Ithomi	
ITHO	Ithomi	
JAN	Janina	
JAN3	Jannena	
JAN2	Jannena	
KLR1	Kalamaria	
KAL3	Kalamata	
KLV1	Kalavrita	
KLV	Kalavryta, Achaia	
PE02E	Kaliani, PE02	
KALE	Kalithea	
S031	Kalithea	
KANL	Kalivia Analipseos	
RKL1	Kallithies, Rhodes Isl.	
N006M	Kalochori, N006	
N015M	Kaloneri, N015	
KLNA	Kalymnos	
S002	Kamari	
MET2	Kameni Chora, Methana, Greece	
KMV1	Kammena Vourla	
LESV1	Kapi,Mantamados,Lesvos	
N020M	Kapnoxori, N020	
KEF1	Kardakata, Kephalonia	
KEF5	Kardakata, Kephalonia	
S010	Kardaras	
KARIA	Karia	
KRL1	Karlovasi Samou	
KRPA	Karpathos	
KARP	Karpathos	
KAP	Karpathos	
SAP2K	Karterados	
SNT3	Karterados, Santorini	
KARY	Karystos	
KASA	Kassiopi	
KSS1	Kassos Island	
KTI	Kastanea	
KSTE	Kastelli,Crete,Greece	
KSL	Kastellorizon	
KAS2	Kastoria	
KSO	Kastoria	
KSTR	Kastri-Kanalaki	
GR28	Kastro Killinis, Greece	
GR12	Katachas, Greece	
KTLO	Katakolo	
KAT1	Katerini	
KAC1	Kato Achaia	
FNA2	Kato Kleines, Florina	
VRS	Kato Vasiliki	
RKT1	Kattavia Rhodes Isl.	
KAVA	Kavala	
KVLA	Kavala	
KAVS	Kavala, KAV	
KVR	Kavouri	
N034M	Kedrikon, N034	
KFL4	Kefalonia,Diatiritea,Greece	
KFL1	Kefalonia,Entrance TEI,Greece	
KFL5	Kefalonia,Trifylli,Greece	
KOSD	Kefalos,Kos,Greece	
KNT	Kendrikon	
GR31	Kephalas, Greece	
THIV	KEPV Thivas, Viotia	
KRI1	kERI	
KRK1	kERKIRA	
KEK	Kerkira	
XIO	Khios Island	
KIAA	Kiato	
KIAS	Kiato	
KIF1	Kiffisia	
KIL1	Kilkis	
PYL2	Kinigos	
PYL4	Kinigos solar	
KEF3	Kipouria, Kephalonia	
KPRO	Kipourio	
KYPS	Kipseli, Zakinthos Is., Greece	
VILLA	Kithairon	
MKIT	Kithairon Oros	
KYTH	Kithira	
S014	Klenia	
N007M	Klimatia, N007	
KOKK	Kokkinochori, Kavala	
KMT1	Komotini	
KONA	Konidatara, Kephalonia	
KNS	Konitsa	
KNS1	Konitsa	
N024M	Kontariotissa N024	
N025M	Kontariotissa N025	
N026M	Kontariotissa N026	
KOR2	Korinthos	
KOSP	Kos	
KOS1	Kos Island	
KOUM	Koumaradei	
PE01E	Kouteli, PE01	
GR27	Kouvelles, Euboea, Greece	
KOZ2	Kozani	
KZN	Kozani	
KRND	KRANIDI	
KRES	Krestena	
S030	Krieza	
S015	Krioneri	
GR10	Kriovrisi, Ptolemaida, Greece	
CLEM	Kyllini,Ilia,Greece	
S035	Kymi	
KYM1	Kymi	
KYMI	Kymi, Euboea Island, Greece	
KYP2	Kyparissia	
MES3	Kyparissia	
GR32	Kyparissi, Greece	
KTHA	Kythira Island - Agia Moni	
LSM0	Laboratory Soil Mechanics	
LSM1	Laboratory Soil Mechanics	
LES3	Lafionas (Lesvos)	
LGD1	LAGKADAS	
LMS2	Laimos Florinas	
LAKA	Lakka	
LAM2	Lamia	
LRSO	Larissa Observatory	
LVRA	Laurium	
LCHA	Lechaina	
EVGI	Lefkada island	
LKD2	Lefkada island	
LEF2	Lefkas	
LFKM	Lefkimmi	
LEO1	Leonidio	
PE07E	Leonidio, PE07	
S013	Leontio	
LESV	Lesvos island, N. Greece	
LKD	Levkas	
LOS	Limnos	
LIA	Limnos Island	
RLN1	Lindos, Rhodes Isl.	
LTHK	Lithakia	
LIT	Litokhoron	
N018M	Livadero, N018	
KEF4	Livadi, Kephalonia	

Code	Station Name	Other
LXR1	Lixouri, Cephalonia isl., Greece	
LXRA	Lixouri, Kephalonia	
LKR	Lokris	
YRMI	Loutra Irminis,Achaia	
LTRS	Loutraki	
LOUT	Loutraki	
S017	Loutraki	
LTRA	Loutraki	
LTK	Loutraki	
AT03E	Loutropirgos, AT03	
TMU2	Macedonia Univ,	
MAGOA	Magoula	
MAGU	Magoula	
MG00	Magoula, Dorida, Central Greece	
MAKR	Makrakomi, Fthiotida	
N010M	Makrino, N010	
MET5	Makryloggos,Methana,Greece	
MALA	Malamata, Dorida, Central Greece	
MALES	Malesina	
MAMO	Mamousia	
S023	Mandra	
MDRA	Mandra, Attica, Greece	
PARN3	Mandra,Attica,Greece	
MRTH	Marathonas	
VMA	Markates	
MRKA	Markates	
MRMA	Marmari	
S029	Marmari	
EAG2	Marmaro, Chios	
GR05	Maronia-Sapes, Petrota, Greece	
S025	Martino	
S007	Mavria	
GR06	Mavrokklisi	
S021	Mazi	
MET6	Megalochori,Methana,Greece	
TYR6	Megalo Eleftherochori	
MGP1	Megalopolis	
MGNA	Meganis	
FNA3	Meliti, Florina	
TMN1	Menemeni	
GR07	Mesimeri, Greece	
TYR3	Mesochori - Packman	
MSL1	Messolongi	
GR17	Meteora, Kalambaka, Greece	
MET1	Methana Town, Methana, Greece	
MES2	Methoni	
MTHA	Methoni	
MSVA	Metsovo	
METSI	Metsovo, MET	
MEV	Metsovon	
N012M	Mikrolivado, N012	
N111M	Milia, N111	
N136M	Milia, N136	
N211M	Milia, N211	
MHL	Milos	
MILOS	Milos	
LMN1	MIRINA LIMNOU	
EAG3	Mitilini, Lesvos	
MOKI	Monasteraki	
GR22	Monastery Panagia Xenia, Sourpi, Greece	
MNVA	Monemvasia	
CRE1	Moni Agarathou, Crete, Greece	
CRE2	Moni Epanosifi, Crete, Greece	
PARN2	Moni Osiou Meletiou,Attica,Greece	
PRDM	Moni Osiou Serafim, Boeotia	
THI2	Moni Theologou Mazaraki, Thiva, Greece	
MOS1	Moschato	
GR24	Mousounitsa, Greece	
LES5	Mythimna/Molyvos (Lesvos)	
MYT1	Mytilini	
NAFS	Nafpaktos	
NFP	NAFPAKTOS	
NPLA	Nafplio	
NASA	Naoussa	
NAX1	Naxos Island	
AGXA	Nea_Anchialos	
NHR1	Nea Herakleia	
VOL3	Nea Ionia, Volos	
SNT5	Nea Kammeni, Santorini	
NPS1	Neapolis Laconias	
NMA1	Nemea	
FNA4	Neo Chorio, Florina	
VNE	Neochorion	
PE05E	Neochori, PE05	
NEO	Neokhori	
GR01	Neo Petritsi, Serres, Greece	
NESN	Nesson, Greece	
S011	Nestani	
NEST	Nestorio	
NVR	Nevrokopi	
NGRA	Nigrita	
NISR2	Nikia, Nisyros, Greece	
CRE4	Nipiditos, Crete, Greece	
NISR	Nisiros	
NAIG	Nisos Aigina	
NSAL	Nisos Salamina	
NIS4	Nisyros Isl.	
NIS1	Nisyros Isl.	
NIS3	Nisyros Isl.	
NIS2	Nisyros Isl.	
NYDR	Nydri-Lefkada	
OREA	Oraiokastro	
ORTH	Orthonies,Zakynthos,Greece	
OUR	Ouranopolis	
FNA1	PAEK, Florina	
DSL	Palaion Diasellon	
N003M	Paleokklisi, N003	
S032	Paliouras	
PLR1	Paliouri	
PAIG	Paliouri	
PAN1	Panorama	
PANR	Panormos, Dorida, Greece	
S026	Pantixeio	
PARAA	Paradisi	
PRK	Paraskevi	
PVO	Paravola	
RGA	Parga	
PRGA	Parga	
MPAR	Parnis Oros	
N036M	Partheni, N036	
PASK	Pasakaki Chania	
PATG	Patra B	
PATC	Patra C	
GBTAS	Patras	
PAT	Patras	
PAT4	Patras	
S008	Pavlia	
VPA	Pavliani	
PENT	Pentalofos	
N033M	Pentalofos, N033	
PTL	Penteli	
PER1	Peristeri Attica	
PSDA	Pessada-Kefalonia	
PET1	Petalidi	
LES4	Petra (Lesvos)	
PLA1	Pilaia Thessaloniki	
PIR3	Pireas	
PIR1	PIREAS,	
MHLA	Plaka, Milos Island	
GR20	Plastira Lake, Thessaly, Greece	
VIL2	Platees	
PLEV	Plevrona-Mesologi	
PLM1	Plomari	
KES20	Police station, Argostoli (Cefalonia, Greece)	
EAG1	Polichnitos, Lesvos	
POL1	Poligiros	
N031M	Polipetro, N031	
N005M	Polydoro, N005	
N004M	Polydroso, N004	
PLG	Polygyros	
KYT1	Potamos Kythira	
PRMD	Pramanda	
PRAS	Prasinada,E.Macedonia,Greece	
PRE2	Preveza	
PDO	Prodromos	
PROD	Prodromos	
S126	Profitis Ilias	
S033	Prokopi	
PSAH	Psachna, Euboea Island, Greece	
PSRA	Psara	
PSAR	Psari	
PSARO	Psaromita, Dorida	
PSA1	Psathopyrgos	
PE03E	Pteri, PE03	
PTO1	PtolemaidA	
PYL5	Pylos	
PYL1	Pylos	
PYL	PYLOS	
PYR2	Pyrgos	
PYR3	PYRGOS	
PYRG	Pyrgos, Dorida, Greece	
S001	Rahes	
RTZL	Ratzakli, Kefalonia, Greece	
PRF2	Region of Thessaloniki	
RTHF	Rethymno-Limin	
RHO	Rhodes	
RPN1	Rhodes Hospital	
RDI1	Rhodes Town Hall	
RIOA	Rio	
RLS	Riolos of Patras	
PAT5	Rio Patras	
RIZA	Riza	
RDO	Rodhopi	
RODI	Rodini	
ROD3	Rodini, Patras, West Greece	
RODB	Rodos	
GR23	Rovies, Greece	
SGD	Sagiada	
GR26	Sagmata Monastery, Theva, Greece	
N030M	Samari, N030	
SMHA	Samh	
SMS	Samos	
SMG	Samos	
SMTH	Samothraki Island	
SANT	Santorini	
SAP1	Santorini-Akrotiri	
THR9	Santorini-Faros Akrotiriou	
SFR2	sANTORINI Foira	
THR8	Santorini-Monolithos	
SAP4	Santorini-Oia	
SAP3	Santorini-Thirassia	
SPP1	Sappes Rodopi	
SAR1	Sarti	
SELA	Sela	
N022M	Seli, N022	
SERG	Sergoula	
SERI	Serifos	
SRS	Serrai	
SRS1	Serres	
N039M	Serres, N039	
SIA1	Siatista	
N014M	Sidenro, N014	
N021M	Sideras, N021	
SGR1	Siggri Mitillinis	
SIGR	SIGRI	
VSI	Simia	
SMIA	Simia	
N013M	Sitaras, N013	
S003	Sitohorio	
SKIA	Skiathos	
SKY	Skiros Island	
VSK	Skopelos	
SKO1	Skopelos Island	
N019M	Skoteina, N019	
S012	Skoteini	
S037	Skyros	
SKY1	Skyros Island	
SOFA	Sofades	
SOFI	Sofiko	
SOH	Sokhos	
RSO1	Soroni, Rhodes Isl.	
SFL1	Soufli	
S005	Stasimo	
STPG	Stavropigio, Messinia, Peloponnese	
STV1	Stavros	
GR13	Stavros, Greece	
STL1	Stavroupoli Thessaloniki	
STEF	Stefani	
STFN	Stefani	
STCV	Stivos	
STEV	Stivos	
SFD	Strofades	
STRF	Strofades island, Greece	
LES1	Stypsi (Lesvos)	
S039	Syros	
STAX	Taxiarchis Harbor, Nea Kameni, Santorini Island.	
TEME	Temeni, Aigialia, West Greece	
TETR	Tetrakomo, Epirus, Greece	
THAL	Thalero	
THSA	Thassos	
THAS	Thassos island	
THS1	Thassos, Thassos Island	
THR1	Thera Island	
N040M	Therma, N040	
SEIS	Thessaloniki	
THE	Thessaloniki	
AMK1	Thessaloniki Airport	
THE6	Thessaloniki CITY Hotel	
TEK1	Thessaloniki EKO Refinery	
LIB1	Thessaloniki Library	
PRF1	Thessaloniki Prefecture	
PRF0	Thessaloniki Prefecture D.H.	
THE7	Thessaloniki sewage pipe	
STA1	Thessaloniki S.S. Downhole	
STA0	Thessaloniki S.S. Downhole	
GR21	Thetidio, Greece	
THVA	Theva	
THRA	Thira	
THR6	Thira Island, Akrotiri	
THR5	Thira Island, Kera	
THR3	Thira Island, Nea Kammeni	
THR4	Thira Island, Oia	
THR2	Thira island, Vourvoulos	
THV2	THIVAI	
THI3	Timios Stavros Vagia, Thiva, Greece	
TNSA	Tinos	
THNO	Tinos Is.	
TRAZ	Trapeza	
N038M	Triada, N038	
TRKA	Trikala	
TRP1	Tripolis, Arkadia	
TRISI	Tripoli, TRI	
TRIZ	Trizonia	
TSLK	Tsoukalades, Lefkada island	
TYRN	Tyrnavos	
NEOK	Tzaverdella	
UPR	University Campus, Patras University	
LES2	Vafeios (Lesvos)	
VLS	Valsamata	
VALY	Valyra	
VAR2	Vartholomio	
VSK1	VASILIKIADES	
VSL1	Vassilika	
VSK2	Vassilikiades, Cephalinia Isl.	
VAS2	Vassiliki, Lefkas Island	
SMG1	Vathi Samos	
VLI	Veliai	
VRKS	Verdikoussa	
VERN	Vergina	
VER1	Veroia	
GR11	Veroia, Greece	
VIL1	Vilia, Western Attica	
S022	Villia	
VILL	Villia	
VTN	Vitineika	
VLX	Vlachokerasia	
SNT2	Vlychada, Santorini	
VOL	Volimes	
VLMS	Volimes, Zakynthos	
VOL2	Volos	
VVK	Vomvokou	
VLY	Voula,Athens	
GR15	Vouvousa, Greece	
N011M	Vovousa, N011	
VRO1	Vrontados, Chios Island	
VNG	Vunargo	
XAN2	Xanthi	
GR03	Xanthi, Greece	
XOR	Xorichti	
XYLO	Xylokastro	
XLKS	Xylokastro	
S019	Xyronomi	
FNA5	Ydroussa, Florina	
ZARO	Zacharo	
ZKS	Zakynthos	
ZAK2	Zakynthos	
ZAN	Zante	
TYR2	Zarko	
TYR2A	Zarko new site	
ZIRI	Ziria, Aigialia, West Greece	
ZOFR	Zofira	
KEAIE	Zoodochos Pigi, KEAI	
Thessaly		
FRS1	Farsala	
THL	Klokotos Trikala	
LAR5	Larissa	
LAR4	Larissa	
Gulf of Cadiz		
EXAGE	Algeciras	
EXBAR	Barbate	
GEOST	Geostar deep sea observatory	
NRT01	OBS01, N0701	
NRT02	OBS02, N0702	
NRT03	OBS03, N0703	
NRT04	OBS04	
NRT05	OBS05, N0705	
NRT06	OBS06	
NRT08	OBS08	
NRT09	OBS09, N0709	
NRT10	OBS10	
NRT11	OBS11	
NRT12	OBS12	
NRT13	OBS13, N0713	
NRT14	OBS14	
NRT15	OBS15	
NRT16	OBS16	
NRT17	OBS17, N0717	
NRT18	OBS18	
NRT19	OBS19	
NRT20	OBS20	
NRT21	OBS21	
NRT22	OBS22, N0722	
NRT23	OBS23, N0723	
NRT24	OBS24	
NRT25	OBS25	
Hessen		
WBBU	Buerstadt	
WBDA	Darmstadt	
EBSD	Ebsdorfer Grund, Hesen	
WBED	Eschwege	
GWBD	Espenschied/Hessen	
WBFM	Frankfurt	
GODD	Goddelau	
WBFO	Grube Fortuna	
WBRD	Rasdorf	
Hungary		
HU11A	jtikos	
ABAH	Abaujker	
HU04A	gasegyhza	
PKB2	Akaszto	
AMBH	Ambrzfalva	
HU07A	Apagy	
ATAN3	tny	
ATAN1	tny	
ATAN2	tny	
A269A	Baj	
RHK1	Bakonya	
RHK2	Bata	
BEHE	Becsehely	
BKE	Bekescsaba	
BELGA	Beleg	
HU24A	Belmegyer	
HU23A	Bernathegy	
BSZH	Besenyszg	
PKS6	Bocsa	
BOKD	Bokod	
A272A	Blcske	
BUD	Budapest	
PKSC	Csakvar	
PKB3	Csaszartoltes	
CSKK	Cskako	
HU14A	Dc	
DARVA	Darvaspuszta	
DEB	Debrecen	
HU03A	Ecseg	
EGYH	Egyhazaskeszo	
PKB1	Eloszallas	
HU06A	Eperjes	
HU22A	Ersekhalma	
MSW2	Fehrvrcsurg	
GYL	Gyula	
A266A	Gyulaj	
PKS5	Helvecia	
A263A	Hollad	
HU05A	Hortobgy	
A271A	Ivancsa	
JOS	Josvafo	
KAL	Kalocsa	
A267A	Kaloz	
A265A	Kaposfured	
PKS2	Kecel	
KEC	Kecskemet	
HU12A	Kis^{6}jsz¡ll¡s	
PKB4	Kolesd	
KOVH	Kovagotottos	
PKS7	Kunszentmiklos	
LTVH	Ltavrtes, Hungary	
MPLH	Magyarpolny	
A273A	Marcsa	
PKS4	Mecseknadasd	
MSW3	Mr	
PKSM	Moragy	
MORH	Mrgy, Hungary	
NGRH	Nagyer	
PKSN	Nyarlorinc	
A261A	Ohid	
HU01A	Pnd	
PENC	Penc	
PSZ	Piszkesteto	
PSZI1	Piszkesteto infrasound array 1	
PSZI2	Piszkesteto infrasound array 2	
PSZI3	Piszkesteto infrasound array 3	
PSZI4	Piszkesteto infrasound array 4	
FPOZ	Pozzuolo	
PKB5	Pusztahencse	
HU21A	Pusztamerges	
MSW1	Pusztavm	
A268A	Rede	
PKS8	Sarbogard	
PKS3	Solt	
SOP	Sopron	
SUKHU	Sukoro, SUKH	
A262A	Szaknyer	
SZE	Szeged	
HU02A	Szentllek	
A270A	Szokolya	
PKS9	Tamasi	
A264A	Tarany	
TRPA	Tarpa	
TENKA	Tenk	
RHK3	Tenkes	
PKST	Ts	
TIH	Tihany	
HU13A	Tiszakcske	
RHK5	Tyukosdulo	
UZD	Uzd	
A260A	Vassurany	
VSOM	Vertessomio	
ETYK		
PKSG		
Ireland		
ITIP	Aglish, Co. Tipperary, Ireland	
ILTH	Belurgan, Co Louth	
ECP	Carnsore Point	
IWEX	Carrickbyrne, Co Wexford	

Code	Station Name	Other
ECB	Carrickbyrne Hill	
CORK	Cork	
DCN	Croghan	
DSB	Dublin	
DMS	Dublin Merrion Square	
DDK	Dunsink Observatory	
IGLA	Glengowla, Co Galway	
IDGL	Inch Island, Co Donegal	
IMAC	Kilbarry, Macroom, Co. Cork, Ireland	
DKM	Kilmashogue	
DMUB	Kingscourt	
DMU	Kingscourt	
LIMH	Limerick	
DLE	Lyons Estate	
DLF	Lyons Farm	
IMIC	Mitchelstown Cave, Co. Tipperary, Ireland	
IMAY	Moygownagh, Co. Mayo, Ireland	
DUB	Rathfarnham	
ETA	Tara	
VAL	Valentia	
Isle of Man		
WIM	Isle of Man	
IOMK	Kirk Michael	
GIM	North Isle of Man	
Italia		
ALB1	ALBI	
UNPM	Ancona Politecnico	
BARO	Barbarano Romano	
MI07	Bazzano	
MAGO	Bibbona	
CPCA	Capracotta	
CSVS	Castel Viscardo	
DIV02	Colloro (ITA)	
SU05	Cortoghiana (CI)	
CSPC	Cosenza Protezione Civile Regionale	
CSSE	Cosenza Scuola Elementare Plastina Pizzuti	
CUM07	CUSANO MUTRI	
FEM1	DIAMANTINA	
DIV11	Druogno Cimitero	
T1012	Faicchio (BN)	
CISCH	FORIO D' ISCHIA	
MI04	Fossa	
GNGI	Gangi	
GIZZ	Gizzeria	
T1647	Greve in Chianti fraz. Greti	
TB01	Gubbio	
A301A	Isiata (VE)	
TREM	Isole Tremiti	
ILSM	Lacco Ameno	
LAS20	La Martella	
T1414	Larino (CB)	
LTSN	Latisana	
LAZR	Lazzaro	
LSS	Leonessa	
A303A	Lido-Pellestrina (VE)	
T1412	Lupara (CB)	
MTRA	Matera	
MNF	MONTE FIEGNI FIASTRA	
MTMR	Montemarano	
T1646	Montespertone	
PC04	Monticchio (on limestone)	
MOKA	Morano Calabro	
A300A	Muzzana del Turgnano (UD)	
MI03	Onna	
PET25	Pettoranello del Molise	
UMPS	Pian d¢Assino	
PABO	Pietrabbondante (IS)	
TB02	Pietralunga	
TB03	Pietralunga	
PGMG	Pignataro Maggiore	
PZI1	PIZZOLI	
NR03	Plesso scolastico Gianturco, Rome	
DPIA	Ponte Pia'	
FEM2	RAVALLE	
A302A	Resana (TV)	
RIC12	RICCIA	
RIEV	RIETI VAZIA	
RCAV	Rocca di Cave	
RPBA	Roccapalumba	
RONS	Ronchis	
SGF7	San Giovanni in Paganica (AQ), Italy	
T1415	San Leucio (CB)	
SPCA	San Pietro in Casale	
OT17	San Severo (FG)	
SAAM	Sant'Alessio in Aspromonte	
T1101	Santa Maria Delle Macchie	
MI08	Sant'Antonio	
STRV	Santa Teresa di Riva	
MI10	Sant'Elia 1	
SARM	SARMATO	
SAS10	SASSINORO	
SCZA	Scaletta Zanclea	
MI05	S. Eusanio Forconese	
SIMB	Simbario	
SORA	SORA	
DSPE	Speccheri	
SU04	Teulada	
TOR05	TORRECUSO	
DVSC	Val Schener	
NR02	Via Panisperna, Rome	
VLTR	Villafranca Tirrena	
Italy		
T0402	Abbadia di Fiastra (Tolentino)	
AMT1	Abbadia San Salvatore	
AMT2	Abbadia San Salvatore	
AMT3	Abbadia San Salvatore	
AMT4	Abbadia San Salvatore	
NARO	Abbazia di Naro	
ABSI	Aberstueckl	
ABRE	Abriola	
ACATE	Acate (RG)	
CAAM	Accademia Aeronautica Militare Pozzuoli (NA) Italy	
NR07	Accademia dei Lincei, Rome	
MZ103	Accumoli (campo sportivo)	
T1202	Accumoli, Frazione Villanova (RI)	
MZ102	Accumoli (Madonna delle Coste)	
RM31	Accumuli	
ACER	Acerenza	
FX07	Acicastello(CT)	
ACOM	Acomizza, Italy	
T0702	Acquaformosa (CS)	
ACT	ACQUASANTA TERME	
ACQ	Acqui Terme	
ADRI	Adria, Italy	
ROSPO	ADRIATIC SEA	
AGNN	Agnone	
AGOR	Agordo	
AIR06	AIROLA	
ALBC	Alba	
ALBL	Albano Laziale	
BIDON	Albidona (CS)	
ALSD	Alessandria	
ALJA	Alia	
TO02	Allumiere - RM	
APGO	Alpago	
AFL	Alpe Faloria	
AMUR	Altamura	
AMAD	Amandola	
AM04	Amandola Base Costone Ospedale	
AM05	Amandola Campo Sportivo	
AM02	Amandola Istituto Tecnico	
AM03	Amandola Ospedale	
AM01	Amandola Torre del Podest	
AMSN	Amaseno	
MZ28	Amatrice (agriturismo)	
MZ30	Amatrice (Alberghiero)	
MZ29	Amatrice (caseificio storico)	
MZ31	Amatrice (fosso)	
T1204	Amatrice, Frazione Cossitto (RI)	
MZ12	Amatrice (garden)	
MZ08	Amatrice RAN	
MZ10	Amatrice San Cipriano	
AMI	Amelia	
AM9	Amelia	AMI
AOI	Ancona	
ANS	Ancona	
AND3	Andretta	
ME06	Antenna a Mare	
LANT	Antrodoco	
ANZE	Anzi	
DIV01	Anzola D'Ossola (ITA)	
AOSA	Aosta	
APEC	Apecchio	
APPI	Appiano	
APRC	Apricena	
ACI	Arcavacata	
ACIS	Arcavacata di Rende	
ARCV	Arcevia	
ARVD	Arcevia	
ARV	Arcevia	
ARCI	Arcidosso	
ARIC	Ariccia	
ARY	Ariccia, Rome	
ARME	Armento	
ARMO	Armo	
LRP	Arpino	
AQT1	Arquata del Tronto	
RQT	ARQUATA DEL TRONTO	
T1214	Arquata del Tronto, Frazione Forca Canapine (AP)	
T1244	Arquata del Tronto, Frazione Spelonga (AP)	
ARRO	Arrone	
VARZ	Arzignano	
ASCOL	Ascoli Piceno	
ASCL	Ascoli Piceno (IT)	
ALP	Ascoli Pisceno	
ASGO	Asiago	
ASOL	Asolo	
MASO	Asolo, Italy	
ASQU	Asqua	
RM28	Assergi	
ASS	Assisi	
ASSB	Assisi San Benedetto	
ASTI	Asti	
ATSA	Atessa	
MF01	Auditore - PU	
AUG1	AUGUSTA	
AULA	Aulla	
AVS	AVASINIS	
AVL	Avellino	
AVZA	Avellino cab.Zagari	
AVHO	Avellino Ospedale	
AVT	AVETRANA	
AZI	Avezzano	
AVZ	AVEZZANO	
AVI	AVIANO	
AVG3	Avigliano	
UVAG	Avigliano	
ATCC	AVT- Casa Castalda	
ATLO	AVT- Montelovesco	
ATTE	AVT- Monte Tezio	
ATVA	AVT- Monte Valcinella	
ATVO	AVT- Monte Valentino	
BACM	Baccana	
BCLI	Bacoli	
BAIP	Bacoli Parco Archeologico Terme di Baia	
A291A	Badia	
BADI	Badiali	
BGLA	Bagni Di Lucca	
BDI	Bagni Di Lucca	
BGRA	Bagno di Romagna	
SF13	Bagnolo	
BGNO	Bagnone	
BAG8	Bagolino	
BAI2	Baranello	
BRLL	Baranello	
IBCM	Barano	
TO08	Barbarano Romano - VT	
SBPG	Barcellona Pozzo di Gotto	
PDN1	Bardolino, Italy	
BNI	Bardonecchia	
BAI	Bari	
BAI*	Bari	
BRT	Bari-Castellana	
OT15	Bari, Italy	
BRSN	Barisano	
RM14	Barisciano	
BSS	Baronissi	
BAS04	BASELICE	
BASIC	BASICO'	
BSG	BASSANO DEL GRAPPA	
IZTMP	Baucca	
BDGO	Bedonia Gallareto	
BELF	Belforte del Chienti	
BEL3	Bella	
BLLA	Bellaria	
BEL7	BELLA UFFICI GIUDIZIARI	
A304A	Bellombra (RO)	
BNV	Benevento	
BN013	BENEVENTO	
BNOM	Benevento cab. Olmeri	
BNPI	Benevento Pio XI	
A307A	Bentivoglio (BO)	
BRRO	Berceto	
BGMO	Bergamo	
A289A	Bergamo, Funivia il Toro, Foppolo	
BAD	Bernadia	
BERI	Bernadia	BAD
BETT	Bettona	
BIBN	Bibbiana	
NR25	Biblioteca Cornelia, Rome	
NR23	Biblioteca Giovenale, Rome	
NR19	Biblioteca Vaccheria Nardi, Rome	
NR18	Biblioteca Villa Leopardi, Rome	
MOCO	Biccari - m.te Cornacchia	
BIEL	Biella	
BIOG	Biogem	
BSC3	Bisaccia	
BOB	Bobbio (Coli)	
CCE3	Bocca Seriola	
BOL	Bologna	
T1256	Bolognola (MC)	
BLZ	Bolzano	
BLZN	Bolzano	
BOSI	Bolzano	
A290A	Bolzano, San Nicolo, Ultimo	
T0805	Bondeno (FE)	
BNF	BONIFATI	
RM20	Borbona	
BORI	Bordano	BOO
BOO	Bordano	
BL1	Borgo	BSL
BSL	Borgo	
T1581	Borgo Fazio	
FEM3	BORGO FONDO RENO	
BTT2	BORGO OTTOMILA 2	
BOSL	Borgo San Lorenzo	
BVT	Borgo Val di Taro	
BRMO	Bormio	
BORM	Bormio	
BORS	Borseda	
BOTT	Botticino	
BOTM	Botticino Mattina	
SGAL	Botticino - San Gallo	
FX14	Bova Marina (RC)	
BVN	BOVINO	
BOZZ	Bozzolo	
BOZL	Bozzolo	
A312A	Bozzolo (MN)	
DIV04	Bracchio, cimitero	
BRME	Brasimone	
BNO	Breno	
BRES	Bressanone	
GRDB	Briano	
BHB	Bricherasio	
BRIN	Brienza	
BRIE	Brienza	
BRDS	Brindisi	
BRHA	Brisighella	
BRIS	BRISIGHELLA	
ME04	Brognaturo	
BUA	Buia	
BUII	Buia	BUA
BULG	Bulgheria - Camerota	
BAL01	BUONALBERGO	
DBUS	Busa	
BSSO	Busso	
FCAB	Cabia	
CG1H	Caggiano	
CAGG	Caggiano	
CGG3	Caggiano	
CAGL	Cagli	
CNMT	CAGNANO AMITERNO	
CKI	Cairo Montenotte	
MCRV	Calabrutti - M.te Cervialto	
CALI	Calice al Cornoviglio	
CLTR	Calitri	
CLT3	Calitri	
CLG1	CALTAGIRONE	
CLTS	Caltanissetta	
CCLV	Calvizzano	
TCMO	Camaiore	
CMRE	Camaiore	
MI06	Camarda	
CMR	Camerino	
CIO	Camerino	
CMRN	Camerino	
T1220	Camerino, Frazione Baregnano (MC)	
CMP3	Campagna	
CMPN	Campana	
T1221	Campello sul Clitunno, Frazione Spina Nuova (PG)	
CDOV	Campi Felrei, Via Diocleziano, Osservatorio Vesuviano (Sede)	
CMTS	Campi Felrei, Via Metastasio CNR - IRC	
CASE	Campi Flegrei, Astroni est, (NA) Italy	
CAWE	Campi Flegrei, Astroni ovest, (NA) Italy	
CBAG	Campi Flegrei Bagnoli (NA) Italy	
CFB1	Campi Flegrei Boa1 Golfo di Pozzuoli (NA) Italy	
CFB2	Campi Flegrei Boa2 Golfo di Pozzuoli (NA) Italy	
CFB3	Campi Flegrei Boa3 Golfo di Pozzuoli (NA) Italy	
CMIS	Campi Flegrei Capo Miseno Bacoli (NA) Italy	
CBAC	Campi Flegrei Castello di Baia (NA) Italy	
COLB	Campi Flegrei Monte Olibano Pozzuoli(NA) Italy	
CMRU	Campi Flegrei Monterusciello, Napoli (NA)	
CMSN	Campi Flegrei Monte S.Angelo, Napoli (NA), Italy	
CNIS	Campi Flegrei Nisida, Napoli (NA), Italy	
CFMN	Campi Flegrei Oasi WWF Monte Nuovo Pozzuoli (NA) Italy	
CPIS	Campi Flegrei Pisciarelli Agnano(NA) Italy	
CAFL	Campi Flegrei, Pozzuoli, Arco Felice, (NA) Italy	
CPOZ	Campi Flegrei, Pozzuoli harbour, (NA) Italy	
CELLE	Campi Flegrei Pozzuoli - Via Celle, Napoli (NA)	
CQUE	Campi Flegrei Quarto-Est, Napoli (NA)	
CFSB	Campi Flegrei Sea Bottom Golfo di Pozzuoli (NA) Italy	
CSOB	Campi Flegrei Solfatara Bordo Est (NA) Italy	
CSFT	Campi Flegrei Solfatara Pozzuoli (NA) Italy	
CSTH	Campi Flegrei Tennis Hotel, Pozzuoli (NA), Italy	
CBHG	Campobasso Ospedale Gemelli	
CBPH	Campobasso Palace Hotel	
CMPR	Campora	
T0715	Campotenese	
CAMP	Campotosto	
CMPO	Campotto Po	
TO03	Canale Monterano - RM	
FG4	Candela	
CAE	Caneva	
RE02	Canossa - RE	
CANO	Canova, Magliolo (SV)	
CLPS	Cantalupo del Sannio	
CNTN	Cantiano	
ATCA	Cantone	
ACAP	Capistrello	
MB04	Capitignano (AQ), Italy	
MB10	Capitignano (AQ), Italy	
MB08	Capitignano (AQ), Italy	
MB05	Capitignano (AQ), Italy	
MB03	Capitignano (AQ), Italy	
MB01	Capitignano (AQ), Italy	
CP01	Capitignano Campo Calcio	
CP04	Capitignano, Mopolino alta	
CP07	Capitignano Paganica asilo nido	
CP06	Capitignano, Paterno campo sportivo	
CP02	Capitignano, via della Repubblica	
CP05	Capitignano, via di Sopra	
MUSE	Capo Colonna	
CADA	Capodarco di Fermo	
CAP	Capodimonte	
SN1	Capo Mulini Mare	
CVI	Capo Vaticano	
CPV	Cappella Vecchia, Vesuvio (NA), Italy	
A317A	Capraia (LI)	
CRE	Caprese Michel	
LEOD	Capriano del Colle	
CADC	Capriano del Colle, Italy	
MZ14	Capricchia	
MZ64	Capricchia	
CAPR	Capriolo	
NR22	Carabinieri Stazione Gianicolense, Rome	
NR20	Carabinieri Stazione Quadraro, Rome	
NR15	Carabinieri Stazione S. Pietro, Rome	
RM27	Carapelle Calvisio	
CRDM	Cardoso	
CARD	Cardoso	
T0916	Careggine (LU)	
CAFE	Carife	
CAR22	CARIFE	
A281A	Carmagnola	
CRMI	Carmignano	
CARO	Carolei	
CAR1	CAROLEI	
CII	Carovilli	
CRVI	Carovilli	
CARP	Carpanzano	
CPGN	Carpegna, Italy	
PCRP	Carpino	
CPI2	Carpinone	
CRRA	Carrara	
CARRO	Carrodano	
CSO1	Carsoli	
CRTC	Cartoceto	
CSCL	Casacalenda	
FEM0	CASAGLIA	
T0203	Casalattico (FR)	

Code	*Station Name*	*Other*
PCTE	Casalborsetti	
MZ02	Casale	
RM12	Casamaina	
CAS	Casamari	
ICVJ	Casamicciola	
OC9	Casamicciola	
CSM	Casamicciola	
CTNS	Casa Tonetto Surface	
MZ60	Cascello	
T1212	Cascia, Frazione Avendita (PG)	
VRG02	Cascina	
VRG01	Cascina	
VRG03	Cascina	
T0201	Case Giovannangeli - (Balsorano -AQ)	
CSMI	Casera Mimoias	
CSZ	Casera Razzo	
SF04	Casetta	
TCSL	Casola in Lunigiana	
CSI	Cassano Ionio	
CSSN	Cassano Irpino	
MZ097	Cassino	
CSO	Casso	
IT01A	Cassolnovo	
CDT	Castel del Monte	
CDI1	CASTEL DI IUDICA	
CDS	CASTEL DI SANGRO	
CAFR	Castel Frentano	
CTL8	Castelleone	
CSNT	Castellina Chianti	
T0823	Castello D'Argile (BO)	
RE08	Castello di San Valentino (Castellarano) - RE	
OT13	Castello Vieste (FG) Italy	
T1242	Castelluccio di Norcia (PG)	
CLS7	CASTELLUCCIO SUPERIORE	
ME07	Castell'Umberto	
CASEA	Castelmezzano	
T0911	Castelpoggio (MS)	
T1222	Castel Sant'Angelo (RI)	
T1245	Castelsantangelo Sul Nera (MC)	
BCSR	Castelsaraceno	
CSA7	CASTELSARACENO	
CTI	Castel Tesino	
DIV09	Castiglione	
AT04	Castiglione Aldobrando (Gubbio) - PG	
CASP	Castiglione della Pescaia	
CMM	CASTIGLIONE MESSER MARINO	
RM15	Castiglione (Tornimparte)	
CAFI	Castiglion Fiorentino	
CUC	Castrocucco	
ZIDIL	Castrovillari (CS)	
T0822	Casumaru (Bondeno - FE)	
FX12	Cataforio (RC)	
SPAOL	Catania - S. Paolo Viaduct	
CRM1	Catelraimondo	
AT07	Catigliano (Citt di Castello) - PG	
CTL	CATTOLICA	
MTOM	Cavaso del Tomba, Italy	
LCAV	Cave	
PRED	Cave del Predil	
CAVE	Cavezzo	
CGL1	Ceglie Messapica	
CEL	Celeste	
CELI	Celico	
CNRT	Cenerente	
CCAP	Centro Acquisizione Posillipo, Napoli (NA), Italy	
CMA11	Centro Addestramento Marina Militare, Ancona	
CMA06	Centro Sportivo Paolinelli, via Saturno Schiavoni, Ancona	
CAPA	Cerignola FG	
RM30	Cerqua	
IMCRS	Cerreto	
CERT	Cerreto	
CRSP	Cerreto di Spoleto	
T1718	Cervia, Ravenna	
RM10	Cesaproba (Montereale)	
CESX	Cesi	
CESI	CESI - Serravalle di Chienti	
CSP1	Cessapalombo	
CET2	Cetraro	
CEV	CEVA	
CIRO	Champorcher	
CHCE	Chiaravalle Centrale	
CHV	Chiavari	
CAS08	Chiesa Nuova, Poggio Renatico (FE)	
CMA09	Chiesa Santi Cosma e Damiano, Ancona	
T0820	Chiesuol del Fosso FE	
CHCS	Chieti Campus	
OT16	Chieuti (FG)	
AR03	Chiusi della Verna (AR)	
DIV12	Cicogna	
CEKR	Cima Ekar Asiago	
CGRP	Cima Grappa	
SALI3	CIMA - Sant'Angelo dei Lombardi	
CIMO	Cimolais	
CING	Cingoli	
NR12	Circonvallazione Appia, Rome	
CIRK	Ciro'	
CIS21	CIS array 21	
CIS22	CIS array 22	
CIS23	CIS array 23	
CIS24	CIS array 24	
CIS25	CIS array 25	
CIS26	CIS array 26	
CIS27	CIS array 27	
CIS28	CIS array 28	
CIS29	CIS array 29	
CCPC	Citt di Castello	
CDCT	Citta di Castello Trestina	
ME10	Cittanova	
CTRL	CITTAREALE	
CDCA	Citt` di Castello	
CDRU	Civita di Ruta - Ottati	
CIMA	Civitanova Marche	
T1218	Civita (PG)	
TO09	Civitella Cesi - VT	
CV01	Civitella del Tronto, Fortezza	
CV02	Civitella del Tronto, Torrione Porta Napoli	
CV05	Civitella del Tronto, via Parnaso	
CV04	Civitella del Tronto, via Roma	
CV03	Civitella del Tronto, via Salinello	
CLA1	Claut1	
CLAB	ClautB	
CLUD	Cludinico	
CO22	Cocozzello	
CODM	Codolo	
MZ03	Collalto	
ED06	Collalto TV	
AMEN	Colle Ameno	
RM24	Colle Belvedere (Rocca di Mezzo)	
RM07	Collebrencioni	
MZ63	Collecreta	
MZ20	Collemoresco	
RM11	Collenoveri	
MZ61	Collepagliuca	
T0110	Collepietro	
MZ096	Colle Posta	
RM02	Colle Roio	
SMB1	Colle San Martino	
MZ095	Colle Spada	
COL3	Colliano	
CLLN	Colliano	
RM05	Colli (Barete)	
CLR	Collurania	
COLI	Coloredo	
VARN	Col Varnada, Mel (BL)	
NAPI	Complesso Universitario Monte Sant'Angelo	
CMNZ	COMUNANZA	
CNCS	Concesio	
CNDF	Condofuri	
LCNT	Contigliano	
MOC1	Contrada Murge, Colobraro (MT)	
MOC4	Contrada Santa Lucia, Senise (PZ)	
T0109	Coppito (AQ)	
COR1	Corinaldo	
CRN	Corinaldo	
AD04	Corinaldo (AN)	
COPE	Corleto Perticara	
TN05	Corleto Perticara (PZ)	
MZ13	Cornillo Vecchio	
MZ51	Cornillo Vecchio	
CRND	Cornuda	
MCOR	Cornuda	
CODE	Correggio	
ZAVE	Correggio Bag	
FANE	Correggio Fan	
MAN1	Correggio Man	
T0815	Correggio (RE)	
SILE	Correggio--Silva	
GERV	Cosenza	
CS2FF	Cosenza - Borehole near the Alaric Bridge	
CSC2	Cosenza castello	
CSMBE	Cosenza - Museo Brettii ed Enotri	
CS2FS	Cosenza - On the ground surface near the Alaric Bridge	
MZ52	Cossito	
MZ04	Cossito	
DCOS	Costabrunella	
A284A	Costa De Nobili, Padulino	
OT07	Costarelle (FG) Italy	
CRAC	Craco	
CRTO	Cratere Ovest, Vesuvio (NA), Italy	
T1246	Crognaleto (TE)	
SEME	Crotone	
GIZE	Crotone	
CUP2	Cupone	
CUSI	Cussignacco Udine	
CUTR	Cutro	
DANT	Danta di Cadore ARPAV	
DLNV	Delianuova	
PDN4	Desenzano Garda	
GRDT	Desenzano Tresine	
DPS	Deserto Penisola Sorrentina	
DP1	Deserto P. S.	DPS
DNSP	Diano San Pietro	
DSB1	Difesa San Luca	
ME05	Diga del Menta	
DNMI	Dinami	
PDN8	Dolc	
DMD	Domodossola	
T1201	Domo (RI)	
A318A	Donoratico (LI)	
T0803	Dosso, Cento (FE)	
DDS	Dosso del Sommo	
DOSS	Dosso del Sommo	
DRE	Drenchia	
DIV05	DT-1b hole Ornavasso	
DUI	Duronia	
EBO	EBOLI	
EL6	Elcito	
ENNA	ENNA	
ENR	Entracque	
EQUI	Equi	
ERBM	Eremo	
ERT	Erto-Casso	
SNTG	Esanatoglia	
EMCN	Etna Monte Conca	
EMFS	Etna Monte Frumento Supino	
NR09	Facolt di Architettura Valle Giulia, Rome	
FAEN	Faenza	
FAE	Faenza	
FAZ	Faenza	
FAGN	Fagnano	
FAI02	FAICCHIO	
MZ23	Faizzone	
FALC	Falconara Albanese	
MFNN	Fano	
RM18	Fano Adriatico	
MFAN	Fanzolo, Italy	
BFRD	Fardella	
A280A	Farigliano, Viaiano	
MPRO	Farra di Soligo, Italy	
FASA	Fasano	
FENE	Fenestrelle	
FEM5	FERRARA	
FERB	Ferrara borehole (Italy)	
FERS	Ferrara-Casaglia	
FECT	Ferrara Citta	
FIAM	Fiamignano	
FIC	FICAROLO	
FIE	Fiesole	
FGV	FIGLINE VALDARDO	
RM08	Filetto	
CERA	Filignano	
FNLG	Finale Ligure	
FINB	Finale Ligure	
FIN	Finale Ligure	
FDMO	Fiordimonte	
FIR	Firenze	
FRZN	Firenze Novoli	
FZE	FIRENZE SEDE REGIONE	
FIUG	Fiuggi	
FMNT	Fiuminata	
FIU1	Fiuminata	
FVZ	Fivizzano	
FIVI	Fivizzano	
TFIV	Fivizzano	
FOG	Foggia	
FGG	Foggia	FOG
FG1	Foggia	FOG
FOGG	FOGGIA	
FOL	Foligno	
UFLG	Foligno	
FOCC	FOLIGNO CARABINIERI	
FOPC	Foligno Prot Civ	
FLPC	Foligno Protezione Civile Reg.	
FOS	FOLIGNO SEGGIO	
FFNT	Fontanafredda	
FNVD	Fontana Vidola	
FCOR	Fonte Corniale	
MZ100	Fonte del Campo	
UFCT	Forcatura	
FAU	Forcella Aurine	
FOR28	FORIO	
FORN	Fornelli	
FOA	Forni Avoltri	
FVI	Forni Avoltri	
FDS	Forni di Sopra	
DIV06	Forno	
DIV60	Forno-Posthole	
FRNO	Fornovo	
DFBU	Forte Buso	
FS1	Fosdinovo	FSI
FOSD	Fosdinovo	
FSI	Fosdinovo	
FOSV	Fossato di Vico	
FSSB	Fossombrone	
FSS	FOSSOMBRONE	
UC01	Francavilla Angitola	
FRSC	Frascati	
FRASC	Frascineto (CS)	
AT08	Fraticciola Selvatica (Perugia) - PG	
FRE8	Fregona	
FREG	Fregona	
FRES	Fresagrandinaria	
FRON	Frontone	
FROS	Frosini	
FSC	Fuscaldo	
FUSE	Fusea	
GAGG	Gaggia	
GALF	Gagliano Castelferrato	
GAG1	Gagliole	
FERC	Galatro	
T1573	Gallitello	
GMB	Gambarie	
GATE	Gambatesa	
NR13	Garbatella, Casetta Rossa, Rome	
PDN6	Gardone Riviera	
GARS	Garessio	
GARGN	Gargnano BS	
A287A	Gattinara, La Torre	
GAVE	Gavelli	
MIR04	Gavello, Mirandola (MO)	
GAZZ	Gazzo Veronese (Italy)	
GEA	GELA	
GEL	GELA CABINA ENEL	
GMNA	Gemona	
GEPF	Gemona	
GMAR	Gemona, Istituto Magrini Marchetti	
GNV	Genova	
GEN	Genova	
GENL	Genova University	
CSGE1	Gerace - Le Bombarde	
GRFL	Gerfalco	
GNU	Giano nell'Umbria	
BURY	Giardini Botanici Hanbury, Ventimiglia (IM), Italy	
FX09	Giardini Naxos (ME)	
GIMI	Gimigliano	
GSN	GIOIA SANNITICA	
ME15	Gioiosa Marea	
GRI	Girifalco	
GIUL	Giuliano Di Roma	
T0825	Gonzaga (MN)	
TT08	Gorgoglione (MT)	
FGRZ	Gorizia	
GORR	Gorreto	
GRAM	Graiana	
GIGS	Gran Sasso	
GSG	GRAN SASSO GALLERIA	
GSS	Grassano	
SGG	Gregorio Matese	
MZ098	Grisciano 1	
MZ106	Grisciano 2	
GRIS	Grisolia	
MOSI	Grossmontoni	
GBOS	Grotte di Bossea	
GRUE	Grumento Nova	
FORE	Grumento Nova	
AG51	Grumento Nova (PZ)	
GUMA	Gualdo di Macerata	
GUAR	Guarcino	
GUA25	GUARDIA DEI LOMBARDI	
GDFR	Guardialfiera	
GUPE	Guardia Perticara	
TSM1	Gubbio 1	
TSM2	Gubbio 2	
GBSL	GUBBIO PARCHEGGIO SANTA LUCIA	
GBP	GUBBIO PIANA	
GLNS	Guglionesi	
T1411	Guglionesi (CB)	
GSCL	Gusciola	
MZ101	Illica	
IMOL	Imola, Italy	
IMI	Imperia	
T1614	Impruneta (FI)	
NR26	INGV via di Vigna Murata, Rome	
NR17	INGV Viale Pinturicchio, Rome	
INTR	Introdacqua	
FINV	Invillino	
IBRN	Ischia Barano (NA)	
ICAI	Ischia Castello Aragonese, Ischia (NA), Italy	
IMTC	Ischia Forio Monte Corvo (NA) Italy	
IFOR	Ischia Forio Punta Imperatore (NA) Italy	
IVLC	Ischia Forio, Villa la Colombaia (NA)	
IMNT	Ischia Montagnone (NA)	
IOCA	Ischia Osservatorio Casamicciola	
IPSM	Ischia Porto, Stazione Anton Dhorn (NA)	
OT14	Ischitella (FG) Italy	
ISNH	Isernia Ospedale	
ISNL	Isnello	
FRAE	Isola Capo Rizzuto	
PDN5	Isola della Scala	
ISD	ISOLA DELLA SCALA	
GROG	Isola di Gorgona	
GORG	Isola Di Gorgona	
ISPIC	ISPICA	
IVR	IVREA	
JESI	Jesi	
IESO	Jesolo	
JOPP	Joppolo	
KOSI	Kohlern	
LSD	Lago del Serru	
LGGR	Lagonegro	
LAPEE	Lago Pertusillo	
T0721	Laino Castello	
LC22	Laino Castello	
LAICA	Laino Castello (CS)	
LPEL	Lama dei Peligni	
LDP	LAMA DEI PELIGNI	
LPD	Lampedusa	
LNGO	Langhirano	
LAV9	Lanuvio	
CI20	La Palud, 99127, Vallee D'aoste, Italy	
T0103	L'Aquila	
AQU	L'Aquila	
BZZ	L AQUILA BAZZANO	
AQV	L AQUILA CENTRO VALLE	
AQG	L AQUILA COLLE DEI GRILLI	
AQF	L AQUILA FERRIERA	
AQK	L AQUILA PARK	
AQP	L AQUILA PETTINO	
LARN	Lariano	
LRNO	Larino	
LAR25	LARINO CB	
LSPI	La Spezia	
LATE	Laterza	
LTRZ	Laterza	
THUI	La Thuile	
LATB	Latina	
LATT	Lattarico	
LAUE	Laurenzana	
LARA	Laurignano	
VFERR	Lavachey, Val Ferret, Courmayeur, Italy	
LVN1	LAVIANO	
LCCE	Lecce	
LCI	Lecce	
LEC	Lecco	
LIV	Leghorn	
FX03	Lentini	
LNSS	Leonessa	
LEVAN	Levanzo	
AQA	LAQUILA FIUME ATERNO	
ANGE	Lido Adriano	
SLNS	Linosa	
LINA	Linosa Island	
LIO3	Lioni	
LPI	Lipari	
LPR1	LIPARI	
OEM8	Lipari, loc. Fontanelle	
OEM7	Lipari Monterosa	
ILOS	Lipari Osseratorio	
LVNO	Livorno Protezione Civile	
PR02	Localit Poggio-Vacaldola (Sant'Agata Feltria – RN)	
T0502	Localit San Martino (Sarsina - FC)	
T0821	Loc. Casaglia - Ferrara (FE)	
T0814	Loc. Cortile, Carpi (MO)	
T0818	Loc. Fossa, Concordia sulla Secchia (MO)	
T0828	Loc. Fossoli, Carpi (MO)	
T0824	Loc. Limidi di Soliera, Soliera (MO)	
T0503	Loc. Pratieghi (Badia Tedalda - AR)	
T0812	Loc. Stoppiaro,	

	Poggio Rusco (MN)	
T0817	Loc. Veratica, Salara (RO)	
A308A	Longastrino (FE)	
DIV10	Loro (ITA)	
TLUC	Lucca	
OT11	Lucera (FG) Italy	
RM01	Lucoli (AQ)	
AT02	Lugnano (Citt di Castello) - PG	
LUI	LUINO	
LGS3	Luogosano	
LSR	Lussari	
A285A	Lusurasco	
LMD	Lutirano	
DIV07	Luzzogno	
MVF	Macchia Valfortore	
MCGN	Macugnaga	
T0104	Madonna delle Grazie (Coppito)	
OT05	Madonna di Cristo (FG) Italy	
MAGA	Magasa	
MSSA	Maissana	
AMAL	Malcesine	
MABI	Malga Bissina	
DBIS	Malga Bissina	
DBOA	Malga Boazzo	
MGRD	Malga Garda, Italy	
DGIU	Malga Giumela	
MLNI	Malnisio	
OT12	Manfredonia (FG) Italy	
MANE	Mangone	
MNOV	Mantova	
MTVA	Mantova	
MNTV	Mantova	
MARN	Marana (Italy)	
BMAT	Maratea	
MCDA	Marcedusa	
AMRC	Marco	
MMAR	Mareno di Piave, Italy	
MB07	Marignano (AQ), Italy	
MARIO	Marineo	
MA9	Marino	
PP3	Marolino	
MRRI	Marradi	
MARS	Marsala (TP) Italy	
MVB	MARSCIANO MONTE VIBIANO	
MANEE	Marsico Nuovo	
MRN3	Marsico Nuovo (PZ)	
MARE	Marsico Vetere	
MRV	MARSICO VETERE	
A309A	Martorano (FC)	
SMET	Mascalucia	
T0800	Massa Finalese, Finale Emilia (MO)	
T0813	Massa Finalese, Finale Emilia (MO)	
MASS	Massafra	
MASSA	Massa (MS), Italy	
MAIM	Mastiano	
MTL1	Matelica	
MATE	Matera	
MIR01	Medolla (MO)	
MELA	Melanico - S. Croce di Magliano	
AD01	Meldola (FC)	
FX02	Melilli (SR)	
MLPS	Melito di Porto Salvo	
MRNO	Merano	
MERA	Merate	
MCSO	Mercato Saraceno	
MESG	Mesagne	
MFG	MESSINA FORTE GONZAGA	
MPC	METEO PORTO CESAREO	
RM22	Micigliano	
MIGL	Miglionico	
MIL	Milan	
MILN	Milano	
MLE	Mileto	
FIU	Minerbio Fiu	
PASE	Minerbio--Passere	
TORE	Minerbio--Torre	
MRVN	Minervino Murge	
T0912	Minucciano (LU)	
MIR27	MIRABELLA ECLANO	
MIDA	Miranda	
SGIA	Mirandola	
MIRAN	Mirandola MO	
MIR02	Mirandola (MO)	
MIR03	Mirandola (MO)	
FX06	Misterbianco CT	
ME01	Mistretta	
MC32	Moccone	
MODE	Modena	
MDGA	Modigliana	
MODG	MODUGNO	
T0827	Moglia (MN)	
MOLE	Moliterno	
DMOL	Mollaro	
MBRC	Mombaroccio	
AD03	Mombaroccio (PU)	
MMP1	Mompeo	
MNC	Moncalieri	
MONC	Moncucco Torinese	
AD02	Mondaino (RN)	
MODF	Mondolfo	
MODR	Mondragone	
MONE	Monesi	
MUGA	Mongiana	
AT03	Montalto (Apecchio) - PU	
MNTP	Montappone	
MN3	Montappone	
MNS	Montasola	
MA1	Montasola	MNS
MAB1	Monte Acero	
MAO	Monte Argentario	
MAON	Monte Argentario	
BALD	Monte Baldo	
MBAL	Monte Baldo - Osservatorio Astronomico Novezzina	
MMBI	Montebello Ionico	
FX13	Montebello Jonico - Saline (RC)	
MBEL	Montebelluna (TV)	
MBFT	Monte Bonifato	
MCIF	Montecalvo in Foglia	
MCI	Monte Cassino	
MTCL	Monte Cavallo	
ATMC	Monte Cedrone	
MTCE	Montecelio	
MCLF	Montecilfone	
MME	Monte Cimone	
MCIV	Monte Civitella	
AT11	Monte Civitello	
CZI	Monte Cocuzzo	
MC2	Monte Cornaccione	
A316A	Montecristo (LI)	
N002	Montecucco	
MOCL	Monte Cuccoli	
MDAR	Monte D'Aria	
MTPR	Monte di Procida	
MPCD	Monte di Procida	
CMDO	Montedoro	
MF5	Montefalcone Appennino	
FEMA	Monte Fema	
ATFO	Monte Foce - Gubbio	
MTFT	Montefortino	
MGAB	Montegabbione	
MGIO	Monte Giove	
MGBU	Monte Grappa, Col di Buratto	
MF03	Monte Grimano Terme	
MGRO	Montegrosso	
MTCR	Monte La Croce	
SSFR	Montelago di Sassoferrato	
MML1	Montelago di Sefro	
CC03	Monteleto	
MNT3	Montella	
MTLO	Montello	
TV6	Monte Luro di Tavullia	
GRDM	Monte Maddalena	
MOMC	Montemarciano	
MOMA	Monte Martano	
MSC	Monte Massico	
ATMI	Monte Miggiano Umbertide	
MMO1	Montemonaco	
MMUR	Monte Murano	
MPPT	Montemurlo	
MOMNE	Montemurro	
MOME	Montemurro	
MMR7	MONTEMURRO	
UORV	Monte Orve	
MPAG	Monte Paganuccio	
PZZT	Monte Pizzetto	
MPRI	Monte Prat	
MB12	Montereale (AQ), Italy	
MN09	Montereale campo di calcio	
MN06	Montereale, ex municipio	
MN08	Montereale ex prefettura	
MN04	Montereale isola ecologica	
MN02	Montereale Piedicolle	
MN03	Montereale Piedicolle 2	
MTRZ	Monterenzio	
MRB1	Monte Rocchetta	
SEST	Monte Rota	
MSAG	Monte S. Angelo	
MTSN	Montesano sulla Marcellana	
SMTM	Monte Santa Maria Tiberina	
FGMS	Monte Sant'Angelo	
MS1	Monte Sant'Angelo (FG)	
MSB1	Montesarchio	
SIB1	Monte Sibilla Italy	
SIRI	Monte Sirino - Moliterno	
MSTE	Monte Stella (Cilento), (SA)	
MURB	Monte Urbino	
VULT	Monte Vulture - Melfi	
PC05	Monticchio (on alluvial deposits)	
MLBT	Monticelli Brusati	
MCEL	Monticello	
MDI	Monti di Nese	
TSM3	Montone	
MVMN	Montorio al Vomano	
MNTT	Montottone	
T0401	Montottone (Fermo)	
CNESE	Morano Calabro	
MOR21	MORCONE	
MRSC	Moresco	
MRGE	Morge	
MGR	Morigerati	
MMN	Mormanno	
MMN9	Mormanno Campotenese	
MORMA	Mormanno (CS)	
T1742	Morro d'Alba (AN)	
T1211	Morro Reatino (RI)	
RM25	Mosicchio (Amatrice)	
MTTG	Motta San Giovanni	
SABO	M.te Sabotino	
FG3	Mte Sant'Angelo	
RCL	Mte Valcellina	
RE1	Mte Valcellina	RCL
MRVI	Mt Valcellina	RCL
T1219	Muccia, Frazione Massaprofoglio (MC)	
DMUR	Murandin	
MRLC	Muro Lucano	
SCL3	Muro Lucano (Serra Campolungo)	
VDS3	Muro Lucano (Varco Staccarino)	
NR05	Museo Storico della Fanteria Santa Croce in Gerusalemme, Rome	
NPL	Naples	
NAD	NAPOLI EST	
NARN	Narni	
PDN7	Negrar, Montecchio	
NEVI	Neviano degli Arduini	
DIV03	Nibbio, Oratorio San Pietro	
NCH	NICASTRO HABITAT	
ENIC	Nicolosi	
NZZ	NIZZA MONFERRATO	
NOCU	Nocera Umbra	
NOCI	Noci	
NL9	Nola	
NCIA	Norcia	
NRCA	Norcia	
UNRC	Norcia	
NRC	NORCIA	
T1213	Norcia, Frazione Savelli (PG)	
MZ11	north of Sant'Angelo	
NTE	NOTO	
NVR1	NOVARA DI SICILIA	
NOVE	Novellara	
NDIM	Novi di Modena	
ROCE	Novi Di Modena	
NVG	NOVI LIGURE	
NSC3	Nusco	
CAS01	Occhiobello (RO)	
AKR	Ocre	
OFFI	Offida	
ARMI	Offshore Ravenna	
PCWT	Offshore Ravenna	
PCWC	Offshore Ravenna	
ANTE	Offshore Ravenna	
AGOE	Offshore Ravenna	
UOLM	Olmeto	
OPI	Opi	
OPPE	Oppeano	
OPPI	Oppido Mamertina	
CMA07	Oratorio Salesiani, Corso Carlo Alberto, Ancona	
ORI	Oriolo Calabro	
OR1	Oriolo Calabro	ORI
ORO	Oropa	
ORX	Oropa	
ORP	Orsara di Puglia	
FG5	Orsara di Puglia	
ORS	ORSARA DI PUGLIA	
ORTE	Orte (VT)	
OII	Orti	
FX01	Ortigia (SR)	
ORZI	Orzinuovi	
OSKI	Oschiri	
MOSM	Osimo	
AD06	Osimo (AN)	
T1714	Osimo (AN)	
NR16	Osservatorio Astronomico di Roma	
OSSC	Osservatorio Polifunzionale del Chianti	
MIR07	Ostiglia (MN)	
OTV	Ottaviano, Vesuvio (NA), Italy	
OVAR	Ovaro	
PAD	Padua	
MI02	Paganica	
MB02	Pago Rovagnano (AQ), Italy	
CMA15	Palascherma, Ancona	
PLTA	Palata	
T0811	Palata Pepoli (BO)	
PLZ	PALAZZOLO ACREIDE	
PALZ	Palazzo San Gervasio	
PLMA	Palmaria, Porto Venere	
ME03	Palmi	
PLZA	Paluzza	
PANI	Panarotta	
PAN03	PANNARANO	
PANTE	Pantelleria	
PAOL	Paolisi	
PARC	Parchiule	
CMA12	Parco del Cardeto (Faro Nuovo), Ancona	
NR01	Parco del Colle Oppio (Ingegneria), Rome	
TRES	Parco Tresine BS	
PRMA	PARMA	
MZ19	Pasciano cemetery	
SATI	Passo dei Salati	
RM26	Passo delle Capannelle	
GAVI	Passo Gaver BS	
MB09	Paterno (AQ), Italy	
PTCC	Patocco-Chiusaforte	
PLRO	Paularo	
PAV	Pavia	
EUCT	Pavia	
PVFO	Pavullo del Frignano	
PE3	Peglio	
RM33	Pellescritta (Montereale)	
PNNI	Pennabilli	
ME09	Pentidattilo	
PRGL	Pergola	
MF05	Perticara (RN)	
PRG	Perugia	
PEG	Perugia	PRG
UPRP	Perugia	
PRGP	PERUGIA PALAZZO PRIORI	
PS1	Pesaro	PRO
PRO	Pesaro	
PESA	Pesaro	
PESR	Pesaro	
PDN2	Pescantina	
T0204	Pescasseroli (AQ)	
MI01	Pescomaggiore	
PSB1	Pescosannita	
IPES	Pescosannita	
PS009	PESCO SANNITA	
MZ22	Petrana	
BBB4	Pezza	
PE1	Pezze di Greco (BR)	
PCN	Piacenza	
PCP	Piancastagn	
RM09	Piano di Cascina (Cagnano Amiterno)	
DPAL	Pian Palu'	
PZS	Piazza al Serchio	
PZAM	Piazza Armerina	
A001	Piccione	
PCNC	Picinisco	
MB06	Piedicolle (AQ), Italy	
PIEI	Pieia	
UMPR	Pierantonio	
PCRO	Pietralacroce	
CCN3	Pietralunga	
PIET	Pietralunga	
ATPI	Pietralunga - Aviosuperficie	
PIPA	Pietrapaola	
PTRP	Pietrapertosa	
PTQR	Pietraquaria	
PTRJ	Pietraroja	
PBN	PIEVEBOVIGLIANA	
D002	Pieve de Saddi	
PDC	Pieve di Cadore	
MIR06	Pieve di Coriano (MN)	
PF6	Pievefavera	
PVS	Pieve Santo Stefano	
PGN	PIGNATARO	
PIGN	Pignataro Maggiore	
PGN3	Pignola, Italy	
PNI	Pinerolo	
PIBC	Piobbico	
PIO1	Pioraco	
PIS	Pisa	
PII	Pisa	
N001	Pisciano	
PSL	Pistoia	
PSTA	Pistoia Genio Civile	
RE07	Pizzano Val di Parma - PR	
T1247	Pizzolo (AQ)	
PLAC	Placanica	
SF11	Podere del Sole	
RM32	Poggio Cancelli	
ATPC	Poggio Castellaccio	
T0108	Poggio di Roio	
T1217	Poggiodomo (PG)	
PGG	POGGIO PICENZE	
SF01	Poggio Pratacci	
PGSN	Poggio Sannita	
T0101	Poggio Santa Maria	
AT06	Poggio Sant'Ercolano (Gualdo Tadino) PG	
PGD	Poggio Sodo	
MZ21	Poggio Vitellino	
POLC	Polcenigo	
POI	Polino	
PO9	Polino	POI
CPMP	Pompei	
PMP	Pompeii	
POBI	Pontebba	
PNAL	Ponte nelle Valli ARPAV	
PNM	PONTREMOLI	
POPM	Popiglio	
PTC	Porto Cannone	
SPIO	Porto Corsini	
PDI	Porto d'Ischia	
T1757	Portomaggiore (FE)	
PPL1	Portopalo di Capopassero	
A305A	Porto Tolle (RO)	
POFI	Posta Fibreno	
PST3	Postiglione	
PZUN	Potenza	
POT7	POTENZA PROVINCIA	
PZF	Pozza Ferrara, Ferrara di Monte Baldo (VR)	
PLI2	Pozzilli	
EPOZ	Pozzillo	
MZ50	Pozzo Varoni	
CMRS	Pozzuoli	
IPOZ	Pozzuoli	
POZT	Pozzuoli Rione Terra	
POZS	Pozzuoli Solfatara	
MPRD	Prada, Italy	
DPRA	Pra da Stua	
TPRT	Prato	
PTF	Prato	
VIVA	Pratoni del Vivaro - Roma	
RE06	Pratopiano (Palanzano) - PR	
PRT	Prato-Toscana	
T1216	Preci, Frazione Castelvecchio (PG)	
FPRM	Premariacco	
PRME	Premilcuore	
PTMR	Procida, Terra Murata (NA)	
AT01	Promano (Citt di Castello) - PG	
BLANC	P.ta Helbronner (AO), Italy	
UPUR	Puro	
MIR08	Quarantoli, Mirandola (MO)	
QRI	Quarto	
QCI	Quattro Castella	
QLNO	Quiliano	
GRDQ	Quinzano	
QUINZ	Quinzano d'Oglio BS	
AT05	Racchiusole (Umbertide) PG	
RDD	RADDA IN CHIANTI	
IPAI	Ragusa ex Provincia	
RBL	Raibl	
B001	Rancolfo	
ARAS	Rassina, Castel Focognano (AR)	
RAVA	Ravarino	
RVST	Ravascletto	
REA	REANA DEL ROJALE	
MREF	Refrontolo, Italy	
LAUS	Refuge de Laus	
MALV	Refuge Malinvern	
MRCB	Reggio Calabria	
CRCA	Reggio Calabria	
RCI	Reggio Calabria	
RCPC	Reggio Calabria Protezione Civile	
RCU	Reggio Calabria Universita	
CMA14	Regione Marche - Palazzo Raffaello, Ancona	
RISI	Rein	
RNMU	Rende Municipio	
RNPC	Rende Protezione Civile	
RSP	Reno Superiore	
ATRE	Renzetti	
RESU	Resuttano	
MZ25	Retrosi-1	
MZ26	Retrosi-2	
RIBO	Ribolla Roccastrada	
RICA	Ricadi	
T0205	Ridotti (Balsorano, AQ)	
RTI	RIETI	
RIEM	Rieti Museo	
RIEP	Rieti Provincia	
OT06	Rignano Garganico (FG) Italy	
RGNG	Rignano Grg	
T1711	Rimini	
RINI	Rimini Protezione Civile	
RNV2	RIONERO IN VULTURE	
RVT	RIONERO IN VULTURE	
RNI2	Rionero Sannitico	
T0826	Rio Saliceto (MN)	
MRSG	Ripe San Ginesio	

Code	*Station Name*	*Other*
FX08	Riposto (CT)	
RVRO	Rivergaro	
URVD	Rivodutri	
ROB	Robourent	
RM04	Rocca di Mezzo	
SIB2	Rocca di Montemonaco, Italy	
RDP	Rocca di Papa	
T1241	Roccafluvione, Frazione Osoli (AP)	
RFI	Roccamonfina	
RRL	Rocca Remolon	
RMI2	Roccaromana	
RORO	Rocca Rossa	
RSF3	Rocca San Felice	
T1243	Rocca Santa Maria, Frazione Ceppo (TE)	
RONM	Roccetta Nervino	
MZ24	Rocchetta	
RSA3	Rocchetta Sant'Antonio	
ROTM	Rocchetta Tanaro	
RVI2	Rocchetta Volt	
ROG2	Rogliano	
T0106	Roio Piano	
ROM9	Roma	
RMCL	ROMA CLODIO	
RMVT	Roma DPC Vitorchiano	
RMMM	Roma Monte Mario	
RMPS	Roma Palazzo Spada	
RMPV	Roma Palazzo Valentini	
RMUL	ROMA ULPIANO	
ROM	Rome	
RMP	Rome, Mte Porzio	
RNCA	Ronca, Sant'Olcese (GE)	
N004	Ronchi	
RONC	Roncone	
RNI	Roncone	
RNS	RONCO SCRIVIA	
ROI	Rossano	
ROSI	Rosskopf	
ROT7	ROTONDA	
T0716	Rotonda - Contrada Piano Incoronata (PZ)	
T0711	Rotonda (PZ)	
RM13	Rovere (Rocca di Mezzo)	
ROVE	Rovereto Di Novi	
ROVR	Rover Veronese	
RUFI	Rufina	
RDM3	Ruvo Del Monte	
SBDA	Sabaudia	
CAS07	S.Agostino (FE)	
REMY	Saint-Rhmy-en-Bosses	
SLC1	Sala Consilina	
SLCN	Sala Consilina	
T1574	Salemi	
MZ01	Saletta	
SLNA	Salina	
SAL	Salo	
SLOB	Salo'	
SALO	Salr	
SLSC	Salsominore Centrale	
SOI	Samo	
T0816	San Bartolomeo in Bosco (FE)	
SHEVA	San Basile (CS)	
A282A	San Carlo Canavese	
CAS05	San Carlo, Sant'Agostino (FE)	
SCA06	San Carlo, Sant'Agostino (FE)	
SCA02	San Carlo, Sant'Agostino (FE)	
SCA01	San Carlo, Sant'Agostino (FE)	
SCA03	San Carlo, Sant'Agostino (FE)	
SCA05	San Carlo, Sant'Agostino (FE)	
SCA04	San Carlo, Sant'Agostino (FE)	
SACS	San Casciano dei Bagni	
RAPE	San Chirico Raparo	
DSCO	San Colombano	
T1741	San Costanza, Pesaro Urbino	
DOI	San Damiano	
SDI	San Donato	
SANR	Sandrigo	
SFL3	San Fele	
T0802	SanFelice sul Panaro (MO)	
ME02	San Fratello	
SNAL	S. Angelo Dei Lombardi	
USGN	Sangemini	
MI09	San Giacomo	
GIOM	San Giorgio Morgeto	
MZ105	San Giovanni	
LIK	San Giovanni Incarico	
SGVC	San Giovanni in Croce	
SGF1	San Giovanni in Paganica (AQ), Italy	
SGF2	San Giovanni in Paganica (AQ), Italy	
SGF3	San Giovanni in Paganica (AQ), Italy	
SGF5	San Giovanni in Paganica (AQ), Italy	
SGF6	San Giovanni in Paganica (AQ), Italy	
SGFR	San Giovanni in Paganica (AQ), Italy	
SGRT	San Giovanni Rotondo	
MSSG	San Giuliano del Sannio	
SGSC	San Giuliano Nuova Scuola Iovine	
SGPA	San Giuliano Parco Memoria	
TSGT	San Giustino Valdarno	
PCNV	San Giusto Canavese	
MZ27	San Lorenzo a Pinaco	
SALB	San Lorenzo Bellizzi	
MZ06	San Lorenzo Flaviano	
SAVE	San Marco di Savelli	
OT03	San Marco in Lamis (FG) Italy	
SMA1	SAN MARTINO	
FEM4	SAN MARTINO	
RM03	San Martino d'Ocre	
T1413	San Martino in Pensilis (CB)	
SMIN	San Mina'	
LADO	San Nicola dell'Alto	
T0107	San Pelino (Cagnano Amiterno)	
SPVL	San Pietro Avellana	
SPDC	San Pietro di Carida'	
SPT1	SAN POLO MATESE	
CORR	San Possidonio	
T1011	San Potito Sannitico (CE)	
SNRM	Sanremo	
SSP9	Sansepolcro	
SNS1	Sansepolcro	
SSM1	San Severino Marche	
SSB3	San Sossio Baronia	
SCAI	Santa Caterina dello Ionio	
SCTE	Santa Cesarea Terme	
T1648	Santa Cristina FI	
AT09	Santa Cristina (Gubbio) - PG	
CROCE	Santa Croce Camerino	
T0712	Santa Domenica Talao (CS)	
SGTA	Sant Agata di Puglia	
MF02	Sant'Agata Feltria RN	
DSGI	Santa Giustina	
A319A	Santa Luce (PI)	
FEM6	SANTA MARIA MADDALENA	
TO05	Santa Marinella - RM	
MSTD	Santandra', Italy	
MZ07	Sant'Angelo	
SGC08	SANT' ANGELO A CUPOLO	
SAP2	Sant'Angelo in Pontano	
SAIV	Sant'Angelo In Vado	
STV	Sant Anna di Valdieri	
STV2	Sant' Anna di Valdieri 2	
SRN3	Sant'Arsenio	
SFI	Santa Sofia	
STFA	Santa Sofia	
CIGN	Sant'Elia a Pianisi	
SEFR	Sant' Elia Fiumerapido	
MZ05	San Tomasso	
T1743	Santta Maria dell'arzilla (PU)	
SVCH	San Vito Chietino	
T0102	San Vittorino	
ZEN8	San Zeno di Montagna	
VRZA	San Zeno Di Montagna	
SARZ	Sarezzano	
SRNA	Sarnano	
SASS	Sassa	
SSCV	Sassocorvaro	
SSO	Sasso d'Italia	
SARO	Sassorosso	
STN3	Satriano di Lucania, Italy	
TSUT	Saturnia	
SBPO	S.Benedetto Po	
MZ17	Scai (Agriturismo Narcisi)	
MZ18	Scai alta	
SCAN	Scandale	
SEI	Scarperia	
ATSC	Scheggia e Pascelupo	
SCHR	S. Chirico Raparo	
D104	Schloss Goldrain, Latsch	
D045	Schloss Rechtenthal, Tramin	
SCIAC	Sciacca	
SCIAR	Sciara	
SICLA	Scilla	
MSCL	Scilla	
RM06	Scoppito	
SACR	S. Croce Del Sannio	
CMA05	Scuola Piaget, via Montegrappa, Ancona	
SC2M	Scurtabo	
NEGI	Seborga	
RE04	Sedrio (Vezzano sul Crostolo) - RE	
SEF1	Sefro	
USLL	Sellano	
SELL	Sellia	
RM21	Selvarotonda (Cittareale)	
SF14	Selvena	
SNR3	Senerchia	
SENI	Senigallia	
DIV08	Seppiana	
SERM	Sermide	
FG2	Serracapriola	
ATBU	Serra di Burano	
MSSB	Serra Sant'Abbondio	
T0914	Serretta (MS)	
SERS	Sersale	
SSNM	Sessano del Molise	
STDG	Sesta Godano	
CAS03	Settepolesini, Bondeno (FE)	
SG1	Sgolgore (BA)	
FSGC	Sgonico	
NR06	S. Gregorio al Celio, Rome	
SGO	Sicignano	
SIE	Siena	
A004	Sigillo	
T0915	Sillano (LU)	
MSIR	Sirolo	
AD05	S.Marcello (AN)	
SAMA	S.Maria delle Mole (Ciampino, Roma)	
SNZ1	S.Nazzaro1	
T1582	S. Ninfa	
MC51	Sodano, San Giorgio Lucano (MT)	
MZ09	Sommati	
SMP	Somplago	
SRES	S.Oreste - Soratte	
SORR	Sorrento (NA), Italy	
SPS2	Spezzano della Sila	
CELB	S.Piero in Campo Elba	
SPINE	Spinea	
T0501	Spinello di Santa Sofia (FC)	
SPNT	Spineto	
SPIE	Spinoso	
SPO1	SPOLETO	
SQL	SQUILLACE	
GMB1	S. Stefano d'Aspromonte - Gambarie	
FX11	S.Stefano Medio (ME)	
STAL	STALIGIAL	
SAE	Statte	
FX10	S. Teresa di Riva (ME)	
OT04	Stignano (FG) Italy	
CMA10	Strada della Grotta, Ancona	
GIN	Stromboli-G	
STRG	Stromboli - Loc. Labronzo	
PZZ	Stroppo	
TUE	Stuetta	
SULA	Sulmona Autoparco	
SULC	Sulmona Consorzio	
SULP	Sulmona Polizia	
SUZR	Suzzara	
TLI	Talmassons	
TART	Taranto	
TAR	Taranto	
TTI	Taranto	
TA1	Taranto	TTI
TAR1	Taranto	
TO07	Tarquinia - VT	
TO06	Tarquinia - VT	
TAV1	Tavarnelle	
T1618	Tavernelle (FI)	
TVR	TAVERNUZZE IMPRUNETA	
TEGI	Teggiano - Istituto P. Leto	
TR01	Tempa Rossa 01	
TR02	Tempa Rossa 02	
TR03	Tempa Rossa 03	
TR04	Tempa Rossa 04	
TR05	Tempa Rossa 05	
TR06	Tempa Rossa 06	
TR07	Tempa Rossa 07	
TR08	Tempa Rossa 08	
TR09	Tempa Rossa 09	
TR10	Tempa Rossa 10	
TR11	Tempa Rossa 11	
TR12	Tempa Rossa 12	
T0913	Tendola (MS)	
MOC2	Tenuta Marino, San Giorgio Lucano (MT)	
TEOL	Teolo	
TERO	Teramo	
D109	Terento	
RE05	Terme di Santa Lucia (Busana) - RE	
ISOR	Termini	
TRN1	Terni	
MZ099	Terracino	
RM16	Terranera (Rocca di Mezzo)	
TNOVA	Terranova di Pollino (PZ)	
TDS	Terranova Sibari	
TTER	Terranuova Bracciolini	
TIP	Timpagrande	
MZ104	Tino	
TITE	Tito	
LTTV	Tivoli	
TOLF	Tolfa	
TO04	Tolfa - RM	
TO01	Tolfa - RM	
TLM	Tolmezzo	
TLM2	TOLMEZZO	
CSG3	Toppo Di Castelgrande (Osservatorio Astronomico)	
TOPPO	Toppo, Italy	
TNO	Torino	
AT10	Torre dell'Olmo (Gubbio) - PG	
MZ15	Torrita	
MZ16	Torrita	
TRTR	Tortoreto Alta	
TRAE	Tramutola	
MARCO	Tramutola	
TRAV	Traversella	
TREG	Tregnago	
TGG	TREGNAGO	
TRE1	Treia	
T0724	Tremoli - CS	
PDN3	Tremosine Garda	
TRE	Trente	
TRTO	Trento	
LUSI	Trento, Gardasee/Lago di Garda	
TREV	Trevi	
TRE2	Trevi	
TRV	Treviso	
BTRC	Tricarico	
A283B	Tricerro	
A283A	Tricerro	
DST2	Trieste	
TRI	Trieste	
TTE	Trieste	
TRS	Trieste (CM)	
TRIF	Trifonti	
TRIP	Tripoli	
TRIV	Trivento	
TU1	Tuscania	
UDI	Udine	UDI
UDI	Udine OGS	
UGN	UGENTO	
UMBT	Umbertide	
BENI	Universita' Del Sannio	
CMA08	Universit Economia, Ancona	
URBN	Urbania	
UR1H	Urbino	
URBI	Urbino	
UST	USSITA	
VGLP	Vagli Paese	
VAI24	Vairano Patenora	
VRP	VAIRANO PATENORA	
VAJ	Vajont	
VALM	Valbona	
AA02	Valdichiascio	
VLFB	Valfabbrica	
VAGA	Valle Agricola	
SF03	Valle Cupa	
T0105	Valle d'Ocre (Ocre)	
VALS	Valles ARPAV	
T1215	Vallo di Nera, Frazione Meggiano (PG)	
VLMN	Valmontone	
DNOA	Val Noana	
VNN	VALSINNI	
MC53	Valsinni (MT)	
VAV	VALVASONE	
VARA	Varagna	
VAI	Varese	
VARE	Varese	
VRL	Varese Ligure	
VSE	VASTO	
VEA	Veano	
RE03	Vedriano (Canossa) - RE	
VNF1	Venafro	
VENL	Venezia Lido	
VEN	Venice	
VENT	Ventotene	
VNZ	VENZONE	
VRB	Verbania	
A288A	Verbania, Casa dell Alpino - Cicogna	
VRCL	Vercelli	
MF04	Verghereto - FC	
PR01	Verghereto (FC)	
VVMR	Verona	
VRNA	Verona	
RM29	Verrico (Montereale)	
OVO	Vesuviano	
OV1	Vesuviano	OVO
VARP	Vesuvio Array Permanente	
VBKE	Vesuvio Bunker Est, Vesuvio (NA), Italy	
VBKN	Vesuvio Bunker Nord	
VBKW	Vesuvio, Bunker Ovest	
VCDT	Vesuvio Camaldoli della Torre, Napoli (NA)	
VCRE	Vesuvio Cratere Est	
VCNE	Vesuvio Cratere Nord Est (NA) Italy	
VEPO	Vesuvio Istituto Enea Portici (NA) Italy	
VPOB	Vesuvio Pollena, Pollena Trocchia (NA), Italy	
VPPV	Vesuvio Pompei Porta Vesuvio, Pompei (NA), Italy	
VOVO	Vesuvio Pozzo Sede storica Osservatorio Vesuviano (NA) Italy	
VSSB	Vesuvio San Sebastiano, San Sebastiano al Vesuvio (NA), Italy	
VTRZ	Vesuvio Terzigno, Terzigno (NA), Italy	
VTIR	Vesuvio Tirone	
VTDG	Vesuvio, Torre del Greco (NA), Italy	
VVDG	Vesuvio Valle Del Gigante	
CMA13	Via Barilatti, Ancona	
NR21	Via Costantino Imperatore, Rome	
NR04	Via Dei Taurini, Rome	
NR24	Via Francesco Durante, Rome	
VGG7	VIAGGIANELLO	
NR11	Via Michele Lando	
NR08	Via Pompeo Magno, rome	
VBL2	Vibo Valentia	
VMG	Vicchio	
VMGN	Vicchio	
VCNZ	Vicenza	
RM23	Viesci	
VSD	VIESTE DANTE	
VDP3	Vietri Di Potenza	
CAS06	Vigarano Mainarda (FE)	
CAS02	Vigarano Mainarda (FE)	
CAS04	Vigarano Pieve (FE) fraz. Diamantina	
VGG	VIGGIANELLO	
T0701	Viggianello (PZ)	
BVIG	Viggiano	
PADE	Viggiano	
VIGE	Viggiano	
PADH	Viggiano	
VGG3	Viggiano (Prot.Civ.Gr.Lucano)	
AG11	Viggiano (PZ)	
VCEL	Villa Celiera	
VLC	Villacollemandina	
VVI	Villa di Villa	
VLM	Villa Minozzo	
MOC3	Villaneto, San Severino Lucano (PZ)	
VINO	Villanova	
MIR05	Villa Poma (MN)	
A286A	Villa Reale - Cassolnovo	
VVLD	Villa Vallelonga	
VINC	Vinca	
VNCH	Vinchiaturo	
VISG	Visignano	
T0202	Vitale (Isola del Liri - FR)	
VTT	VITTORIA	
VTB1	Vitulano	
VITU	Vitulano (BN)	
VZZ	VIZZINI	
VOBA	Vobarno	
MZ62	Voceto	
VG1	Voghera	
VGR	VOGHERA	
VMAN	Volta Mantovana (MN)	
A313A	Volta Mantovana (MN)	
VLT	VOLTERRA	
OEM9	Vulcano lo. Piano	
OEM4	Vulcano Villaggio Lentia	
OEM5	Vulcano Vulcanello, Cappello di Bonanno	
ZIAN	Ziano	
ZCCA	Zocca	
ZPG	ZOLA PREDOSA GESSI	
ZPP	ZOLA PREDOSA PIANA	
ZONE	Zone	
ZOU	Zoufplan	
ZOVE	Zovencedo	
Sardinia		
CCI	Cagliari Citta	
CA2	Cagliari Serpeddi	CGL
CGL	Cagliari Serpeddi	
CRL	Carloforte	
CUG	Cuglieri	
DGI	Dorgali Grotta	
OLB	Olbia	
VSL	Villasalto	
Sicily		
EACI	Aci Sant'Antonio	
CAGR	Agira	
ACL	Alicudi	
IACL	Alicudi	

Code	*Station Name*	*Other*
MALI	All	
ATN	Antennamare	
AIO	Antillo	
AQ6*	Aqua Casa	
HAGA	Augusta	
AGST	Augusta-Monte Tauro	
HAVL	Avola	
EBCN	Bocca Nuova	
HBSP	Bosco Santo Pietro	
CLTB	Caltabellotta	
CM6*	Campone	
MCPD	Capo d'Orlando	
CV6*	Capo Vaticano	
HCRL	Carlentini	
ECBD	Case Bada	
ECPN	Case del Piano	
ECVS	Case del Vescovo	
ECZM	Case Zampini	
MSRU	Castanea	
CSLB	Castelbuono	
ECML	Castelmola	
CAVT	Castelvetrano	
CVT	Castelvetrano	
ECTS	Castiglione	
MCSR	Castroreale	
CAT	Catania	
CATZ	Catanzaro	
ECNV	Catenanuova	
EZPO	C.da Z Pietro	
ECIS	Cisternazza	
ECDV	Codavolpe	
EPOL	Con Chiusa Politi	
ECCS	Contrada Cassone	
CORL	Corleone	
CRJA	Costa Raja	
ECNE	Crateri Nord Est	
ERC	Erice	
ER1	Erice	ERC
EBEL	Etna Belvedere	
FA1	Favara	FAI
FAI	Favara	
FAVR	Favara	
IFIL	Filicudi I Eolie	
EFIU	Fiumefreddo	
VL6*	Forgia Vecchia	
GZI	Ganzirri	
GIB	Gibilmanna	
EGFM	Gr delle femmine	
IMT	Isola di Marettimo	
LVI	Isola Levanzo	
LV9	Isola Levanzo	LVI
LPDG	Lampedusa Capo Grecale	
HLNI	Lentini	
CLTA	Licata	
LLI	Lipari	
ILMG	Lip M Gallina IE	
ILIQ	Lip Q Pani IE	
EMLP	Malpasso	
ECAN	Masseria Cannata	
MEI	Melilli	
MSI	Messina ING	
MES1	Messina Univ.	MES
MES	Messina University	
MILZ	Milazzo	
HMNO	Mineo	
MNE	Mineo	
HMDC	Modica	
MMME	Mongiuffi-Melia	
MTGR	Montagna Grande	
EARC	Monte Arcimis	
EMAR	Monte Arcimis	
ESAN	Monte dei Santi	
MFNL	Monte Finestrelle	
EMFO	Monte Fontane	
EMGR	Monte Grosso	
EMIL	Monte Intraleo	
MEU	Monte Lauro	
MMGO	Monte Magaggiaro	
EN6*	Monte Nero	
EMNR	Monte Nero	
EMPL	Monte Parmentelli	
MPG	Monte Pellegrino	
MR6*	Monte Rosa	
EMRV	Monte Ruvolo	
ESVO	Monte Scavo	
MNO	Monte Soro	
ESRO	Monte Soro	
EMSG	Monte Spagnolo	
EMVT	Monte Vetore	
MVT	Monte Vettore	
EMSA	Motta S. Anastasia	
MCT	Mte Cammarata	
ENCS	Nicolosi	
ENLS	Nicolosi	
NOV	Novara	
HPAC	Pachino	
HPAR	Pala Acreide	
PZI	Palazzolo	
PLR	Palermo	
MPAZ	Palizzi	
PLI	Panarea	
ME12	Panarea 2	
IPAN	Panarea IE	
PTS	Pantelleria	
PTMD	Pantelleria Cuddia di Mida	
EPIS	Pennisi	
PETRA	Petralia Soprana	
EPET	Petrulli	
EPAP	Piano d'Api	
PV6*	Piano Vulcano	
EPMN	Piedimonte	
CPTP	Pietraperzia	
EPDN	Pizzo Deneri	
EPZF	Pizzo Felice	
EPPA	Pizzo Paviglione	
PLLN	Pollina	
MPNC	Port Mandanici	
SL6*	Punta Lena	
EPLC	Punta Lucia	
RAFF	Raffo Rosso	
ERSA	Rifugio Sapienza	
ISLN	Salina IE	
MSFR	San Fratello	
SG6*	San Gibilmanna	
GIO	San Gregorio	
ECHR	Santa Chiara	
ESAL	Sant'Alfio	
EVRN	Santa Venerina	
SCLL	Scilla	
ESCV	Scorciavacca	
ESLN	Serra La Nave	
ESPC	Serra Pizzuta	
HSRS	Siracusa	
ESML	S. M. di Licodia	
SOLUN	Solunto	
SSY	Sortino	
STR3	STROMBOLI 3	
STR4	STROMBOLI 4	
STR5	Stromboli 5	
IST3	Stromboli F	
ISTR	Stromboli Ginostra	
ISTP	Stromboli Pizzo	
ISPL	Str Punta Lena IE	
ETAR	Tardaria	
ETFI	Torre del Filo	
MUCR	Ucria	
USI	Ustica	
VAE	Valguarnera	
EVNA	Vena	
HVIT	Vittoria	
HVZN	Vizzini	
VN6*	Vulcanello	
IVCR	Vulcano Cr IE	
IVUG	Vulcano Grillo IE	
IVGP	Vulcano Grotta dei Palizzi	
IVLT	Vulcano Lentia IE	
VPL	Vulcano Piano	
ZA1	Zafferana	
Trentino		
BIE	Brione	
CAV	Cavalese	
CARE	Lago del Careser	
BALI	Monte Baldo	
OZOL	Ozolo	
Jan Mayen Island		
JMIM	Jan Mayen temporary station	
Kosovo		
GJIK	Gjilan	
GMRK	Grmije	
PEJK	Peje	
PRZK	Prizren	
SMRK	Smrekonice	
ZATK	Zatriq	
Languedoc-Rousillon		
CLAF	Gruissan	
LAJAS	L'Hospitalet-du-Larzac	
VALC	Valcebollere	
Latvia		
SLIT	Slitere, Latvia	
Limousin		
ABJF	Abjat-sur-Bandiat	
Lithuania		
IDID	Didziasalis	
IIGN	Ignalina	
INPP	Ignalina Nuclear	
PABE	Paberze	
PBUR	Paburge	
ISAL	Salakas	
VSVD	Vaisvydziai	
IZAR	Zarasai	
Lorraine		
BETHI	Bethincourt	
ETNF	Estrennes	
MANO	Manonville	
NEUF	Neufchef	
XAFF	Xaffevillers	
Luxembourg		
ARSD	Arsdorf	
LILIE	Bech	
C20	C20	
C21	C21	
C22	C22	
C23	C23	
DUDEL	Dudelange	
ETLBK	Ettelbruck	
FDGR	Fonds-de-Gras	
LKLB	Kalborn	
KLAUS	Klaushaff	
LUX	Luxembourg	
PNBR	Petit-Nobressart	
RUMEL	Rumelange	
SEPFT	Septfontaines	
LVIA	Vianden	
WLF	Walferdange	
WILW	Wilwerwiltz	
WMG	Wormeldange-Haut	
Malta		
CBH9	Comino Bore Hole 9	
HQIM	Hagar Qim temples	
MSIDA	L-Universita ta' Malta, Msida	
MLT	Malta	
MELT	Mellieha tower	
QALA	Qala	
WDD	Wied Dalam	
XLND	Xlendi	
XROB	Xrobb L-Ghagin	
Mecklenburg-Vorpommern		
LNIZ	Loecknitz	
ZARR	Zarrentin	
Midi-Pyrenees		
BORF	Arrens-Marsous	
CRAS	Crastes	
DUNF	Dun	
FLCF	Florentin-la-Capelle	
EVFU	Funiculaire Bar¨ges	
GENF	Genat	
EVLE	Labazerque-Escapade	
SLVF	La Salvetat-Peyrales	
LATF	Latrape	
EVLI	Lausseig	
MLZA	Monlezun-d-Armagnac	
EVMP	OMP - Tarbes	
EVSC	Saint-Christau	
EVSA	Saligos	
EVVI	Villelongue	
Moldova		
KGL	Cahul	
GIUM	Giurgiulesti	
KIS	Kishinev	
LEOM	Leova	
MILM	Milestii Mici	
PURM	Purcari	
SORM	Soroca	
Monaco		
MON	Monaco	
Montenegro		
IVA	Berane	
BEY	Berane	IVA
BUM	Brajici-Budva	
BRY	Bratogost	
BDV	Budva	
CEME	Cevo	
DRME	Dracevica, Montenegro	
HCY	Herceg Novi	
KOME	Kolasin	
NKY	Niksic	
NKME	Niksic	
PVY	Plav	
PLE	Pljevlja	
TTG	Podgorica	
PDG	Podgorica	TTG
MMAA	Thessaloniki	
ULC	Ulcinj	
UPM	Unac-Piva	
Netherlands		
CHA1	Chaam	
CHA4	Chaam	
CHA3	Chaam	
CHA2	Chaam	
CHA5	Chaam	
NE38	Dalfsen	
DBN	De Bilt	
ENM4	Eenrum	
ENM2	Eenrum	
ENM1	Eenrum	
ENM	Eenrum	
ENM3	Eenrum	
ENV	Elp	
ENV4	Elp / Enerveen	
ENV2	Elp / Enerveen	
ENV1	Elp / Enerveen	
ENV3	Elp / Enerveen	
ENN	Epen	
FSW	Finsterwolde	
FSW1	Finsterwolde 1	
FSW2	Finsterwolde 2	
FSW3	Finsterwolde 3	
FSW4	Finsterwolde 4	
FSW5	Finsterwolde 5	
FDG3	Firdgum	
FDG2	Firdgum	
FDG1	Firdgum	
FDG4	Firdgum	
NE42	Fort Lent	
HWF1	Haulerwijk	
HWF	Haulerwijk	
HWF2	Haulerwijk	
HWF4	Haulerwijk	
HWF3	Haulerwijk	
HEE	Heerlen	
HGN	Heimansgroeve	
HKB	Herkenbosch	
NE32	Kootwijk	
NE31	Losser	
MAME	Mamelis	
NEER	Neeritter	
OPLO	Oploo	
OTL4	Oterleek	
OTL	Oterleek	
OTL1	Oterleek	
OTL2	Oterleek	
OTL3	Oterleek	
PPB	Philisteinsche Polder	
PPB2	Philisteinsche Polder (Bergen)	
PPB3	Philisteinsche Polder (Bergen)	
PPB4	Philisteinsche Polder (Bergen)	
PPB1	Philisteinsche Polder (Bergen)	
RSB	Ravensbos	
RDC	Rolduc	
SCHN	Schinveld	
SPY4	Spijk (Roodeschool)	
SPY2	Spijk (Roodeschool)	
SPY1	Spijk (Roodeschool)	
SPY3	Spijk (Roodeschool)	
SUH2	Surhuizum	
SUH4	Surhuizum	
SUH1	Surhuizum	
SUH3	Surhuizum	
NE37	Ubbergen	
NE05	Utrecht	
VKB	Valkenburg	
NE15	Valkenburg	
VBG	Venebrugge	
VBG3	Venebrugge (Bruchterveld)	
VBG2	Venebrugge (Bruchterveld)	
VBG1	Venebrugge (Bruchterveld)	
VBG4	Venebrugge (Bruchterveld)	
VLW1	Vlagtwedde	
VLW	Vlagtwedde	
VLW4	Vlagtwedde	
VLW3	Vlagtwedde	
VLW2	Vlagtwedde	
WMH1	Warmenhuizen	
WMH	Warmenhuizen	
WMH2	Warmenhuizen	
WMH4	Warmenhuizen	
WMH3	Warmenhuizen	
NIW4	Wetzens (Niawier)	
NIW3	Wetzens (Niawier)	
NIW2	Wetzens (Niawier)	
NIW1	Wetzens (Niawier)	
WYN2	Wijnaldum	
WYN4	Wijnaldum	
WYN3	Wijnaldum	
WYN1	Wijnaldum	
NE40	Winterswijk	
WTS	Winterswijk	
WTSB	Winterswijk	
NE04	Witteveen	WIT
WIT	Witteveen	
WDB	Woudbloem	
WDB1	Woudbloem 1	
WDB2	Woudbloem 2	
WDB3	Woudbloem 3	
WDB4	Woudbloem 4	
ZLV4	Zuidlaarderveen	
ZLV3	Zuidlaarderveen	
ZLV2	Zuidlaarderveen	
ZLV1	Zuidlaarderveen	
ZLV	Zuidlaarderveen	
ZL23	Zuidlaarderveen (2)	
ZL21	Zuidlaarderveen (2)	
ZL22	Zuidlaarderveen (2)	
ZL24	Zuidlaarderveen (2)	
ZWE3	Zweins	
ZWE2	Zweins	
ZWE1	Zweins	
ZWE4	Zweins	
Niedersachsen		
CLNZ	Clenze	
GOLB	Goldborn	
Nord-Pas-de-Calais		
HELF	Helfaut	
Nordrhein-Westfalen		
ACN	Aachen, Dom	
BA30	Drwiss	
URFT	Urfttalsperre	
XANT	Xanten, Dombauhtte	
North Macedonia		
BELI	Belica	
BIA	Bitola	
KAY	Katlanovo	
KOSL	Kosel	
KOZJ	Kozjak Brana	
KRUS	Krusevo	
LIP	Lipkovo	
MYG	Matka	
KPJ	Monastery St. Joachim Osogovski	
OHR	Ohrid	
PEHC	Pehcevo	
SAMO	Samokov	
SKO	Skopje	
STIP	Stip	
VAY	Valandovo	
Norway		
Jan Mayen Island		
JMI	Jan Mayen	
JNE	Jan Mayen East	
JNW	Jan Mayen West	
AKN	Aaknes	
NBB13	Alf Garage	
ARCES	ARCESS Array Beam Reference Point	
ARA0	ARCESS Array Site A0	
ARA1	ARCESS Array Site A1	
ARA2	ARCESS Array Site A2	
ARA3	ARCESS Array Site A3	
ARB1	ARCESS Array Site B1	
ARB2	ARCESS Array Site B2	
ARB3	ARCESS Array Site B3	
ARB4	ARCESS Array Site B4	
ARB5	ARCESS Array Site B5	
ARC1	ARCESS Array Site C1	
ARC2	ARCESS Array Site C2	
ARC3	ARCESS Array Site C3	
ARC4	ARCESS Array Site C4	
ARC5	ARCESS Array Site C5	
ARC6	ARCESS Array Site C6	
ARC7	ARCESS Array Site C7	
ARD1	ARCESS Array Site D1	
ARD2	ARCESS Array Site D2	
ARD3	ARCESS Array Site D3	
ARD4	ARCESS Array Site D4	
ARD5	ARCESS Array Site D5	
ARD6	ARCESS Array Site D6	
ARD7	ARCESS Array Site D7	
ARD8	ARCESS Array Site D8	
ARD9	ARCESS Array Site D9	
ARE0	ARCESS Array Site E0	
ARNS	Arna	
ASK	Askoy	
I37H0	Bardufoss	
BAS01	BAS01	
BAS02	BAS02	
BAS03	BAS03	
BAS0D	BAS04	
BAS05	BAS05	
BAS06	BAS06	
BAS08	BAS08	
BAS09	BAS09	
BAS10	BAS10	
BAS11	BAS11	
BAS12	BAS12	
BAS14	BAS14	
BAS15	BAS15	
BAS16	BAS16	
BAS17	BAS17	
BAS18	BAS18	
BAS19	BAS19	
BAS20	BAS20	
BAS21	BAS21	
BAS22	BAS22	
BAS23	BAS23	
BAS24	BAS24	
BEAR	Bear Island, Norway, Bear Island Array Beam Reference Point	
BEA1	Bear Island, Norway, Site 1 of Bear Island Array	
BEA2	Bear Island, Norway, Site 2 of Bear Island Array	
BEA3	Bear Island, Norway, Site 3 of Bear Island Array	
BEA4	Bear Island, Norway, Site 4 of Bear Island Array	
BEA5	Bear Island, Norway, Site 5 of Bear Island Array	
BEA6	Bear Island, Norway, Site 6 of Bear Island Array	
BER	Bergen	
RORSS	Ber_school_1	

Code	*Station Name*	*Other*
MELSS	Ber_school_2	
BJO1	Bjornoya	
BJO	Bjornoya	
BLS5	Blasjo	
BLS2	Blasjo	
BLS1	Blasjo	
BLS	Blasjo	
BLS3	Blasjo	
N1R6	Dalselv	
N2DI	Digermulen	
DOMB	Dombas	
N2B4	Drage	
EGD	Espegrend	
FAUS	Fauske	
NBB30	Finnes	
FOO	Floro	
STOK2	Flostrand	
FLOS	Flostrand	
FRO	Froya	
GILDE	Gildeskaal	
NBB17	Glomfjord Brehus	
NBB15	Halsa Church	
HAMF	Hammerfest	
N1R5	Hammernes	
N2HS	Hamsund	
N2HA	Harstad	
N2B5	Haus	
HNAR	Holsnoey Array Beam Reference Point Skjelanger, Norway	
HNA0	Holsnoey Array Site A0 Skjelanger, Norway	
HNA1	Holsnoey Array Site A1 Skjelanger, Norway	
HNA2	Holsnoey Array Site A2 Skjelanger, Norway	
HNA3	Holsnoey Array Site A3 Skjelanger, Norway	
HNB1	Holsnoey Array Site B1 Skjelanger, Norway	
HNB2	Holsnoey Array Site B2 Skjelanger, Norway	
HNB3	Holsnoey Array Site B3 Skjelanger, Norway	
HNB4	Holsnoey Array Site B4 Skjelanger, Norway	
HNB5	Holsnoey Array Site B5 Skjelanger, Norway	
HOMB	Homborsund	
HYA	Hoyanger	
I37NO	I37NO	
NBB05	Inndyr	
N2IH	Innhavet	
JMIC	Jan Mayen	
JETT	Jettan, Norway	
NBB03	Karbol	
KMY	Karmoy	
KTK2	Kautokeino	
KTK1	Kautokeino	
KTK6	Kautokeino	
KTK4	Kautokeino	
KTK3	Kautokeino	
KTK5	Kautokeino	
KRK	Kirkenes	
KON	Kongsberg	KONO
KONO	Kongsberg	
STOK1	Konsvik	
KONS	Konsvik	
LEIR	Leirfjorden	
N2B6	Leirgulen	
LHN	Lillehammer	
N1R4	Lillevand	
N1R2	Lillevik	
N2LO	Lødingen	
LOF	Lofoten	
LOSSI	Lossi	
N2B3	Lovikneset	
MVG	Mesters Vig	
MOR2	Moi Rana	
MOR1	Moi Rana	
MOR8	Moi Rana	
MOR7	Moi Rana	
MOR6	Moi Rana	
MOR5	Moi Rana	
MOR4	Moi Rana	
MOR3	Moi Rana	
MOL	Molde	
N2B2	Myklebust	
NSS	Namsos	
NBB14	Nordeng Farm	
N2NF	Nordfold	
N1R3	Nordsjona	
NORES	NORESS Array Beam Reference Point	
NRA0	NORESS Array Site A0	NORES
NRA1	NORESS Array Site A1	
NRA2	NORESS Array Site A2	
NRA3	NORESS Array Site A3	
NRB1	NORESS Array Site B1	
NRB2	NORESS Array Site B2	
NRB3	NORESS Array Site B3	
NRB4	NORESS Array Site B4	
NRB5	NORESS Array Site B5	
NRC1	NORESS Array Site C1	
NRC2	NORESS Array Site C2	
NRC3	NORESS Array Site C3	
NRC4	NORESS Array Site C4	
NRC5	NORESS Array Site C5	
NRC6	NORESS Array Site C6	
NRC7	NORESS Array Site C7	
NRD1	NORESS Array Site D1	
NRD2	NORESS Array Site D2	
NRD3	NORESS Array Site D3	
NRD4	NORESS Array Site D4	
NRD5	NORESS Array Site D5	
NRD6	NORESS Array Site D6	
NRD7	NORESS Array Site D7	
NRD8	NORESS Array Site D8	
NRD9	NORESS Array Site D9	
NRE0	NORESS Array Site E0	
NA0	NORSAR 1A	NAO
NOA	NORSAR Array Beam Reference Point	NB2
NAO00	NORSAR Array Site 01A00	NAO
NAO01	NORSAR Array Site 01A01	
NAO02	NORSAR Array Site 01A02	
NAO03	NORSAR Array Site 01A03	
NAO04	NORSAR Array Site 01A04	
NAO05	NORSAR Array Site 01A05	
NBO00	NORSAR Array Site 01B00	NBO
NBO01	NORSAR Array Site 01B01	
NBO02	NORSAR Array Site 01B02	
NBO03	NORSAR Array Site 01B03	
NBO04	NORSAR Array Site 01B04	
NBO05	NORSAR Array Site 01B05	
NCO	Norsar Array Site 01C00	
NB200	NORSAR Array Site 02B00	NB2
NB201	NORSAR Array Site 02B01	
NB202	NORSAR Array Site 02B02	
NB203	NORSAR Array Site 02B03	
NB204	NORSAR Array Site 02B04	
NB205	NORSAR Array Site 02B05	
NC200	NORSAR Array Site 02C00	NC2
NC201	NORSAR Array Site 02C01	
NC202	NORSAR Array Site 02C02	
NC203	NORSAR Array Site 02C03	
NC204	NORSAR Array Site 02C04	
NC205	NORSAR Array Site 02C05	
NC300	NORSAR Array Site 03C00	NC3
NC301	NORSAR Array Site 03C01	
NC302	NORSAR Array Site 03C02	
NC303	NORSAR Array Site 03C03	
NC304	NORSAR Array Site 03C04	
NC305	NORSAR Array Site 03C05	
NC400	NORSAR Array Site 04C00	NC4
NC401	NORSAR Array Site 04C01	
NC402	NORSAR Array Site 04C02	
NC403	NORSAR Array Site 04C03	
NC404	NORSAR Array Site 04C04	
NC405	NORSAR Array Site 04C05	
NC600	NORSAR Array Site 06C00	NC6
NC601	NORSAR Array Site 06C01	
NC602	NORSAR Array Site 06C02	NRE0
NC603	NORSAR Array Site 06C03	
NC604	NORSAR Array site 06C04	
NC605	NORSAR Array Site 06C05	
N10	NORSAR Subarray 10C Beam Reference Point	
N11	NORSAR Subarray 11C Beam Reference Point	
N12	NORSAR Subarray 12C Beam Reference Point	
N13	NORSAR Subarray 13C Beam Reference Point	
N14	NORSAR Subarray 14C Beam Reference Point	
NAO	NORSAR Subarray 1A Beam Reference Point	
NBO	NORSAR Subarray 1B Beam Reference Point	
NB2	NORSAR Subarray 2B Beam Reference Point	
NC2	NORSAR Subarray 2C Beam Reference Point	
NB3	NORSAR Subarray 3B Beam Reference Point	
NC3	NORSAR Subarray 3C Beam Reference Point	
NB4	NORSAR Subarray 4B Beam Reference Point	
NC4	NORSAR Subarray 4C Beam Reference Point	
NB5	NORSAR Subarray 5B Beam Reference Point	
NC5	NORSAR Subarray 5C Beam Reference Point	
NB6	NORSAR Subarray 6B Beam Reference Point	
NC6	NORSAR Subarray 6C Beam Reference Point	
NB7	NORSAR Subarray 7B Beam Reference Point	
NC7	NORSAR Subarray 7C Beam Reference Point	
NC8	NORSAR Subarray 8C Beam Reference Point	
NC9	NORSAR Subarray 9C Beam Reference Point	
ODD	Odda	
ODD1	Odda	
OSGS	Os	
OSG	Oseberg A Platform	
OSL	Oslo	
OO-	Oslo	OO-NW
OO-NW	Oslo	
RAUS	Rausandaksla	
RGS	Rognes	
NBB29	Rokland skole	
ROEST	Røst	
N2RO	Røst	
RUND	Rundenannen	
SKAR	Skarslia	
NBB08	Skaug oppvekstsenter	
SNART	Snartemo	
N2SO	Sortland	
N2SV	Sørvgen	
SOTS	Sotra	
STF	Statfjord A Platform	
STAV	Stavanger	
STEI	Steigen	
STOK	Stokkvaagen	
N2ST	Straumen	
SUE	Sulen	
N2TV	Trnvika	
NBB40	Tonnes	
TRO	Tromso	
TRON	Trondheim	
TBLU	Trondheim	
N2B7	Tytingvag	
N2B1	Tytingvag	
VAGH	Vaagaholmen	
VADS	Vadso	
N2VA	Værøy	
NBB28	Valnes	
VBYGD	Vestbygd	
N1R1	Vettahaugen	
N2VI	Vinje	
Svalbard		
BRBA	Barentsburg A	
BRBB	Barentsburg B	
EO1	Edge Oya	
HOPEN	Hopen	
HSP	Hornsund	
HSPB	Hornsund (broadband)	
ISF	Isfjord	
KBS	Kingsbay	
SPITS	Spitsbergen Array Beam Reference Point	
SPA0	Spitsbergen Array Site A0	SPITS
SPA1	Spitsbergen Array Site A1	
SPA2	Spitsbergen Array Site A2	
SPA3	Spitsbergen Array Site A3	
SPB1	Spitsbergen Array Site B1	
SPB2	Spitsbergen Array Site B2	
SPB3	Spitsbergen Array Site B3	
SPB4	Spitsbergen Array Site B4	
SPB5	Spitsbergen Array Site B5	
Pays de la Loire		
BOUF	Bouguenais - site IFSTTAR	
CRNF	Coron - 49109 - Maine-et-Loire - France	
DAUF	Daumeray - 49119 - Maine-et-Loire - France	
LGIF	Le Givre - 85101 - Vendee - France	
MTNF	Montenay - 53155 - Mayenne - Pays de la Loire	
RIAF	Riaille - 44144 - Loire-Atlantique - France	
SOMF	Saint-Ouen-de-Mimbre - 72305 - Sarthe - France	
TSDF	Thoir-sur-Dinan - 72356 - Sarthe - Pays de la Loire - France	
Poitou-Charentes		
UNIO	Chateau-d'Oleron - 17093 - Charente-Maritime, France	
CLMF	riteuil-la-Magdeleine - 16116 - Charente - France	
GNEF	Genouille - 86104 - Vienne - France	
SDOF	Saint-Denis-d'Olron - 17323 - Charente-Maritime - Nouvelle-Aquitaine	
Poland		
BEL	Belsk	
MIKI	Bielsko-Biala	
PL08A	Biszcza	
PL14A	Burzyn	
BYT	Bytom	
CHZP	Chorzow	
CHZ	Chorzow	
PL04A	Chotylub	
PL28A	Chudow	
CYP	Chylin	
PL09A	Cieklin	
CZA	CZA	
DGP	Dabrowa Gornicza	
GKP	Gorka Klasztorna	
PHL	Hel	
PL12A	Jamnica	
PL06A	Jurowce	
KWP	Kalwaria Paclawska	
PL15A	Kielkow	
PL23A	Klimontow	
PL22A	Kornatka	
KRA	Krakow	
KSP	Ksiaz	
PL03A	Laszki	
PL18A	Lazy	
PL07A	Lopuszka	
PL19A	Medrzechow	
PL30A	Mokre	
PL26A	Myslowice	
NIE	Niedzica	
OJC	Ojcow	
PL27A	Pawlowice	
PL10A	Polomia	
PL13A	Ptaszkowa	
PL21A	Raba	
RAC	Raciborz	
RBN	Rybnik	
PL31A	Rzuchow	
PL16A	Smerdyna	
PL05A	Smolnik	
PL11A	Sokolow	
SUW	Suwalki	
PL17A	Szczawa	
PL24A	Szczyrk	
PL02A	Telesnica	
WAR	Warsaw	
R9F13	Warsaw-Wawer	
PL25A	Witanowice	
PL32A	Witow	
PL01A	Wolosate	
BRE	Wroclaw	
ZAB	Zabrze	
Portugal		
Azores		
AGA	Agualva	
ADH0	Angra Heroismo	
ADH	Angra Heroismo	
PBIS	Biscoitos	
CALA	Caldeira	
PCALD	Caldeiras da Ribeira Grande	
PCND	Candelaria	
PCAN	Candelaria	
CEDR	Cedros	
PCED	Cedros	
CDRO	Cedros	
CMLA	Cha da Macela	
CML	Cha da Macela	
PCNG	Congro	
PMAT	Coroa da Mata	
FAC	Faja de Cima	
PFAD	Fenais da Ajuda	
PFET	Feteiras	
FLOR	Flores Is	
H07N1	FLORES T-PHASE SITE N1	
H07S1	FLORES T-PHASE SITE S1	
FOT	Fontinhas	
FRA1	Furnas	
FRA	Furnas	
SET2	Ginetes	
PGRA	Graciosa	
I42PT	GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	
GRON	Grota Negra	
HOR	Horta	
LFA	Lagoa do Fogo	
PLUZ	Luz	
PMAN	Manadas	
MIRA	Miradouro	
MESC	Monte Escuro	
MTSA	Monte Escuro	
SET4	Mosteiros	
PICO	Pico	
BART	Pico Bartolomeu	
PCRZ	Pico da Cruz	
PFAV	Pico das Favas	
PSMN	Pico do Norte, Sta. Barbara	
PBOI	Pico dos Bois	
PPAD	Pico dos Padres	
PTEI	Pico do Teixo	
PVER	Pico Vermelho	
PIED	Piedade	
SET3	Pilar	
PDA	Ponta Delgada	
PTCA	Ponta do Capelo	
PPNO	Prainha do Norte	
PRCH	Ribeira Ch	
RIA	Ribeira da Areia	
RIA0	Ribeira da Areia	RIA
RIB	Ribeirinha	
PID	Ribeirinha	
RIB2	Ribeirinha	
ROSA	Rosais	
SDCA	Salto do Cavalo	
ASBA	Santa Barbara	
STGR	Santa Cruz	
PSMA	Santa Maria	
SAZ	Santa Maria Island	
PAMA	Santo Amaro	
PSAN	Santo Antonio	
SRBC	Serra Branca	
PSBA	Serra de Santa Barbara	
SCUM	Serra do Cume	
PSCM	Serra do Cume	
PSET	Sete Cidades	
SETA	Sete Cidades	
TOPO	Topo	
VIF	Vila Franca	
PVNV	Vila Nova	
PVIA	Vitoria	
Madeira Islands		
FUL	Funchal	
PMAR	Madeira	
PMOZ	Porto Moniz, Madeira	
PMPS	Porto Santo	
PMPST	Porto Santo, Madeira	
PALBU	Albufeira	
PACT	Alcochete	
PALC	Alcoutim	
PALJ	Aljezur	
AMRP	Almeirim	
ALMR	Almeirim	
PCAL	Alvares	
PARRA	Arraiolos	
PFBV	Barranco	
PBDV	Barranco-do-Velho	
PBAR	Barrancos	
PBEJ	Beja	
PBEN	Benavente	
PBRG	Braganca	
PSVI	Cabo S. Vicente	
PCAB	Cabril	
PCDRA	Caldas da Rainha	
AML04	Campo deTiro de Alcochete	
PCASC	Cascais	
PCAS	Casmilo, Condeixa	
PCBR	Castelo Branco	
PCVE	Castro Verde	
PCOI	Coimbra	
COI	Coimbra	
PESTR	Estremoz	
EVO	Evora	
NE27	Evora	EVO
AML03	Fanhoes/Loures	
FAR	Faro	
PFARO	Faro	
PFFO	Foia	
PGAV	Gavieira, Arcos de Valdevez	
GRNL	Grandola	

Code	*Station Name*	*Other*
INMG	Instituto de Meteorologia, Lisbon	
PLAGO	Lagos	
POLO	Lamas de Olo	
AML02	Lavradio	
LIS	Lisbon	
PMST	Lisbon--Monsanto	
PLOU	Loures	
PMAFR	Mafra	
MTE	Manteigas	
MORF	Marmelete	
PMRV	Marvo	
MESJ	Messejana	
PLOUS	Minas do Lousal	
PMONC	Monchique	
MVO	Moncorvo	
MTH	Montachique	
PMTG	Montargil	
PFMF	Monte Figo	
FIG	Monte Figo	
PMJU	Montehunto	
AML05	Montejunto	
MOE	Montemor	
PNCL	Nicolau / Grandola	
PLML	Palmela	
PDRG	Pedrogo	
PFPE	Pera	
PRL	Portalegre	
PPOR	Portimao	
PTO	Porto	
PFSC	Santa Clara	
PSANT	Santarm	
PFSB	Sao Bartolomeu	
PSBE	So Bento	
EVOP	Sao Brissos	
PTEO	Sao Teotonio	
PSARD	Sardoal	
AML01	Serafina, Lisbon	
PSSC	Serra do Socorro	
PSETU	Setbal	
SETU	Setubal (Portugal)	
PSINE	Sines	
PTAV	Tavira	
PTOM	Tomar	
PVAQ	Vaqueiros	
PVERD	Verdizela	
PSRV	Vialonga--Serves	
PFVI	Vila Bisbo	
PVFX	Vila Franca de Xira	
PVRL	Vila Real	
PVIS	Viseu	
NE21		MTE
	Provence-Cote d'Azur	
MERCI	Col Merciere	
ENAUX	Enaux	
FLAUT	fort du Flaut	
GLAN	Grotte du Lazaret, Nice	
FLOF	La Fare-les-Oliviers - 13037	
SALSA	La sagne	
PIAF	les Granges de la Pia - Tende	
ORSA	Oratoire Sainte Anne ISOLA	
PROF	Poudrerie royale de Saint-Chamas	
STROF	presqu'le de Saint-Tropez - 83065, Gassin	
BARBE	Puget-Rostang	
MFC	Puget-Rostang	
ROUGE	Saint Etienne de Tinee, Rougelle	
	Rheinland-Pfalz	
BEDO	Bendorf-Stromberg	
BODE	Bodenheim	
KOGO	Kobern-Gondorf	
MUEZ	Muetzenich	
OMED	Obermendig	
GWBO	Ockenheim	
PROB	Probstei Buchholz	
RHEN	Rhens	
UMED	Untermendig Flugplatz	
	Romania	
ADCR	Adamclisi	
ADJ	ADJUD	
AMRR	Amara	
ARCR	ARCALIA	
ARCB	Arc Triumf Bucuresti	
ARR	Arges	
RO19A	Arsuri	
BAC	Bacau	
BAC4	Bacau	
BMR	Baia Mare	
BAIL	Bailesti	
BANR	Banloc	
BNL2	Banloc	
ONER	Baraj Valea Uzului	
RO01A	Beldiu	
BERR	Berezeni	
RO04A	Berlesti	
BIZ	Bicaz	
BIR	Birlad	
BISRR	Bisoca	
BISC	BISOCA	
BOSR	Bodos	
RO25A	Bogda	
BRD	Bordesti	
RO34A	Borlesti	
BORR	Bors	
RO39A	Botosani	
BTS2	Botosani	
BRL2	Braila	
BRAG	Branistea	
ZOBR	Brasov	
BRS4	Brasov	
BUC1	Bucharest	
BUC	Bucharest	
BUC2	Bucharest	BUC1
BAPR	Bucharest-Childs Park	
BGMR	Bucharest-Geological Museum	
BTMR	Bucharest-Geotec Company	
BBIR	Bucharest-INCERC-borehole	
RBAR	Bucharest-INCERC-Test Bldg	
BVCR	Bucharest-Old Court	
BSTR	Bucharest-Scientist's House	
BLHR	Bucharest-Stefan cel Mare Str.	
BURAR	Bucovina Array	
BUR07	Bucovina Ar. Site	
BUR09	Bucovina Ar. Site	
BUR08	Bucovina Ar. Site	
BUR06	Bucovina Ar. Site	
BUR05	Bucovina Ar. Site	
BUR04	Bucovina Ar. Site	
BUR03	Bucovina Ar. Site	
BUR02	Bucovina Ar. Site	
BUR01	Bucovina Ar. Site	
PGRO2	Bucuresti	
MTR2	Bucuresti	
ASM1	Bucuresti	
SGEB	BUCURESTI	
BUCF	Bucuresti--IRSA	
DTIR	Bucuresti-Nicolae Titulescu	
BUR33	BURAR	
BUR32	BURAR	
BUZ4	Buzau	
BUZR	Buzau	
BZS	Buzias	
CA02	CA02	
CA03	CA03	
CA04	CA04	
CA05	CA05	
CA06	CA06	
CA07	CA07	
CA08	CA08	
CA09	CA09	
CA10	CA10	
CA11	CA11	
CA12	CA12	
CA13	CA13	
CA15	CA15	
CA16	CA16	
CA17	CA17	
CA18	CA18	
CA19	CA19	
CA20	CA20	
CLS1	Calarasi	
CDB	Caldarusani	
CGN	Calugareni	
BVPR	Campul lui Neag	
CMP	Campulung	
CMP1	Campulung	
CRBR	Caransebes	
CFR	Carcaliu	
CEI	Carei	
CEIR	Carei	
CB02E	CB02E	
CB03E	CB03E	
CB04B	CB04B	
CB05A	CB05A	
CB05B	CB05B	
CB07E	CB07E	
CB09E	CB09E	
CB11E	CB11E	
CC01	CC01	
CC03E	CC03E	
CC05	CC05	
CC06A	CC06A	
CC06B	CC06B	
CC07	CC07	
CC08A	CC08A	
CD01	CD01	
CD04	CD04	
CD06	CD06	
CD07	CD07	
CD10	CD10	
CD11	CD11	
CD12	CD12	
CD14	CD14	
CD15	CD15	
CD16	CD16	
CD17	CD17	
CD19	CD19	
CE01	CE01	
CE02	CE02	
CE03	CE03	
CE04	CE04	
CE05	CE05	
CE06	CE06	
CE07	CE07	
CE08	CE08	
CE09	CE09	
CE11	CE11	
CE13	CE13	
CE15	CE15	
CE16	CE16	
CE17	CE17	
CE18	CE18	
CE19A	CE19A	
CE20	CE20	
CE21	CE21	
CE22	CE22	
CE23	CE23	
CE24	CE24	
CE25	CE25	
CEA	Ceahlau	
RO09A	Cenei	
CVD	Cernavoda	
CVDA	Cernavoda	
CVD4	Cernavoda	
CVD1	Cernavoda-Power Plant	
CNCR	Cernica	
CF01	CF01	
CF02	CF02	
CF04	CF04	
CF05	CF05	
CF06	CF06	
CF07	CF07	
CF08	CF08	
CF09	CF09	
CF10	CF10	
CF11	CF11	
CF13	CF13	
CHLR	Chilia	
RO06A	Chiribis	
RO16A	Chirnogi	
GSMB	CHITILA	
CICN	Ciocanesti	
CIOR	Ciorogarla	
RO10A	Ciudanovita	
CL01	CL01	
CL02	CL02	
CL03	CL03	
CL04	CL04	
CL05	CL05	
CLIR	CLINCENI	
CLO	Closani	
CLU	Cluj	
CBBR	Cluj-Babes-Bolyai University	
CJR1	Cluj-Napoca	
CJR	Cluj-Napoca	
CM02E	CM02E	
CM03E	CM03E	
CM05E	CM05E	
CM08E	CM08E	
CMO6E	CMO6E	
CN03	CN03	
CN05	CN05	
CN07	CN07	
CLI	Colonesti	
RO24A	Comlosu Mare	
CTISU	Constanta	
CCF	CONSTANTA	
TSCT	Constanta Port	
COPA	Copaceanca	
COSR	Cosmesti PH	
COPR	Covasna	
CVO	Covasna	
CVSR	Covasna_Papauti	
COZ	Cozia	
CRAR	CRAIOVA	
RO05A	Cremenari	
CS01	CS01	
CS02	CS02	
CS03	CS03	
CS04	CS04	
CS05	CS05	
CS06	CS06	
CS07	CS07	
CS08	CS08	
CAG1	Curtea de Arges	
CZ01	CZ01	
CZ03	CZ03	
CZ04	CZ04	
CZ05	CZ05	
CZ06	CZ06	
CZ07	CZ07	
CZ08	CZ08	
CZ10	CZ10	
DALR	Dalma,Buzau	
DRBR	Darabani	
RO11A	Dealu_Mare	
DEV	Deva	
DEV1	Deva	
DBRR	Dobrita	
DOC	Dochia	
DOPR	Dopca	
DRR	Dragan	
DRA	Dragasani	
DMBR	Dumbraveni	
EFOR	EFORIE	
FAGR	Fagaras	
FAG	Fagaras	
FTB	Fintinele	
FOC6	Focsani	
FOC	Focsani	
FLGR	Fulga PH	
RO07A	Fulgeris	
GLT4	Galati	
GISR	Galati	
RO23A	Garbova	
GIRR	Girov	
RO27A	Giurgeni	
GRG3	Giurgiu	
RMVG	GOVORA	
RO18A	Gradistea de Munte	
GZR	Gura Zlata	
RMGR	Halanga-Turnu Severin	
HARR	Harsova	
HNM	Heniu Mare	
HERR	Herculane	
HUMR	Humele	
IAS	Iasi	
IASR	Iasi	
INC6	INCERC	
INCR	INCERC-Sediu Central	
IBZR	Intorsura_Buzaului	
ICOR	Ion Corvin	
RO15A	Ipotesti	
ISRF	Istric ta	
ISR	Istrita	
CLISU	ISU Calarasi	
DJISU	ISU Dolj	
GRISU	ISU Giurgiu	
MHISU	ISU Mehedinti	
OTISU	ISU Olt	
TRISU	ISU Teleorman	
IZVR	Izvoarele	
IZVB	Izvoarele B	
JIMR	Jimbolia	
JOSR	Joseni	
JURR	Jurilovca	
LEHL	Lehliu	
LELR	Lelesti	
LRR	Leresti	
GRLR	Livada	
LOPT	Lopu atari	
LOT	Lotru	
GSLR	Lupeni	
MII	Malini	
MSR	Malnas	
MNCR	Maneciu	
MANR	Mangalia	
TSMN	Mangalia Port-Far Verde	
MARR	Marisel-Cluj	
MTUR	Matau	
MDB	Medias	
MESR	Meseseni	
PMGR	Mogosoaia	
MOGR	Mogosoaia	
MDVR	Moldovita	
MSAB	Monastry St. Andrei	
MLR	Muntele Rosu	
MNTR	Muntenesti	
MFTR	Murfatlar	
NARR	Naruja	
NEGRR	Negrea	
NEGR	Negresti	
NGRR	Negresti	
NEHR	Nehoiu	
NARJ	Nu aruja	
ODB	Odobesti	
ODBI	Odobesti	
ODSR	Odorheiu Secuiesc	
RO20A	Ohabita	
ONCR	Oncesti	
ONS2	Onesti	
ORD1	Oradea	
PDRR	Padureni	
PANC	Panciu	
PRS2	Peris	
PTSR	Pestisani	
PCHR	PETRACHIOAIA	
PETR	Petresti	
INXR	Petrosani	
PNT3	Piatra Neamt	
PTT	Piatra Neamt	
PLS3	Ploiesti	
PPF	PLOIESTI	
PLAR	PLOIESTI	
PLOR	Plostina	
PLOR7	Plostina	
PLOR1	Plostina Array site 1	
PLOR2	Plostina Array site 2	
PLOR3	Plostina Array site 3	
PLOR4	Plostina Array site 4	
PLOR5	Plostina Array site 5	
PLOR6	Plostina Array site 6	
PGOR	Pogoanele	
PMRF	Poiana Mare	
PPE	Popeni	
POPR	Popesti-Leordeni	
PUNG	Punghina	
RMSR	Rmnicu Srat	
RMV	Ramnicu Valcea	
RASA	Rasa	
PRAR	RASCA	
RSTR	Resita	
RVNR	Rovinari	
SAHR	Sahastru	
RO32A	Salisca	
RO22A	Sambata de Sus	
SNMR	Sannicolau Mare	
SCTR	Scanteiesti	
SCHL	Schela	
SCHLR	Schela	
RO17A	Schela	
SCHRR	Schitu	
SBE	Sebes	
RO13A	Segarcea	
AAR	Sfinta Ana	
SIBR	Sibiu	
SBDR	Sibiu Dumbrava	
SIMAR	Sighetul Marmatiei	
SNX	Sinaia	
SINR	Sinaia	
SGRR	Singureni	
SIRR	Siria	
MFRD	Siria - Feredeu	
SLCR	Slobozia Conachi	
RO31A	Sofronea	
SPBR	Spulber	
STFR	Stefanesti	
STFAR	Stefanesti-Arges	
SRE	Strehaia	
SUVR	Suceava	
SUC1	Suceava	
TSSL	Sulina	
SURR	Surduc	
SDR	Surduc	
SSR	Susara	
SSA	Susara	SSR
TRG1	Targoviste	
TGJ	Targu Jiu	
TGMR	Targu Mures	
TGSR	Targu_Secuiesc	
TATR	Tatarca	
TECR	Tecuci	
RO37A	Telcisor	
TESR	Tescani	
TIM	Timisoara	
TRGR	Tirgoviste	
TIRR	Tirgusor	
TLBR	Topalu	
TLB	Topalu	
RO02A	Toplita	
TPGR	Topolog	
TOPG	Topolog	
TULR	Tulnici	
TCAR	Turcinesti_Cartiu	
TURR	Turia	
TRM1	Turnu Magurele	
TUU	Turnu Rosu	
TNR	Turnu Rosu	
VLR	Valea Ierii	
RO33A	Valea Seaca	
VLM1	Valenii de munte	
VARL	Varlezi	
VASR	Vaslui	
VLS2	Vaslui	
VCT	Victoria	
VLDR	Vladesti	
VLAD	Vladila	
RO12A	Vlasceni	
COVR	Voineasa-Covasna	
SVMR	Voluntari	
VRI	Vrincioaia	
RO03A	Zatrenii	
GHRR		
ZIMR		
GRER		
HADR		
LTRR		
LUCR		
OZUR		
SECR		
SIRB		
SULR		
TLCR		
TUDR		
VARR		
VOIR		
DRGR		
FULR		
GALR		
GOLR		
	Russia	
	Karel'skaya	
FP03	FP03	
FP05	FP05	
FR05	FR05	

San Marino
RSM Repubblica di San Marino
RSM2 San Marino
ESMR San Marino

Sardinia
AGLI Aglientu
BULT Bultei - Sa Pruna (SS)
SU26 Carbonia-Iglesias, Loc. Su Bruncu
SU14 Gonnosfanadiga (VS)
SU10 Le Tonnare-Carloforte (CI)
SU08 Maladroxia - Sant'Antioco (CI)
SU22 matzaccara
SU24 matzaccara
SU27 matzaccara
SU23 matzaccara
SU21 matzaccara
SU25 matzaccara
SU13 Perdaxius- Is Atzoris (CI)
SU12 Porto Botte (CI)
SU06 San Giovanni Suergiu(CI)
SU09 Sa Scrocca - Sant'Antioco (CI)
SU11 Seruci (CI)
SENA Sos Enattos

Schleswig-Holstein
KHUS Kellenhusen
KUDEN Kuden
SKMB Sankelmark Bunker

Scotland
GGERF Dalmarnock
GVIE Glendoe
PITL Pitlochry
TARL Tarland

Serbia
AVAS Avala Beograd
BARS Barje
BGY Belgrade
BEO Beograd
BOLS Boljevac
BORS2 Bor- Borsko jezero Serbia
BOSS Bosilegrad
BOVS Bovan
VVOS Brankovina
DIVS Divibare
DJES Djerdap
FRGS Fruska Gora
FGSL Fruska Gora
GRUS Gruza
HOPOS Hopovo Monastery
IVAS Ivanjica
KMIS Kosovska,, Mitrovica
GOCS Kraljevo Serbia
KUBS Kucevo
BBLS Lazia
MDRV Mala Drenova
NOVS Nova Varos 1
NVSS Nova Varos 2
PTNS Petnica
PRVS Prvonek
RUDS Rudovci
SELS Selova
SJES Sjenica
STRS Struganik
SUBS Subotica
SVIS Svilajnac
TEKS Tekeris
TRUS Trudelj
VRSS Vrsac
ZAGS Zajecar
ZAPS Zavoj
NISS

Sicily
EBDA Bosco di Aci (S. Maria La Stella)
FX04 Catania Playa (CT)
CIMI Ciminna
EMCO Etna Monte Colla
FAVA Favara
PEZZA Forte Petrazza
LIBRI Librizzi
MARET Marettimo
EMAS Mascalucia
IPNR Panarea - vetta Panarea
PZIN Pantelleria
PGEL Pantelleria Gelfiser
PSCA Pantelleria Scauri
PGHD Pantelleria Serra Ghirlanda
EPIT Pozzo Pitarrone
ISNA Santa Maria Salina
SCIC SCICLI
IVPL Vulcano Piano

Slovakia
A339A Balon
ZST Bratislava
BRA Bratislava
CRVS Cervenica-Dubnik
A333A Gbely
HRB Hurbanovo
SRO1 Iza
IZAB Izabela
KECS Kecovo
KOLL Kolacno
KOLS Kolonicke sedlo
LIKS Likavka
LANS Liptovska Anna
A335A Lovce
A336A Medovarce
SRO2 Moca
MODS Modra-Piesok
POLL Polichno
A332A Rudnianska
A338A Semerovo
SPC Skalnate-Pleso
SMOL Smolenice
SRO Srobarova
STHS Stebnicka Huta
A334A Sterusy
A337A Vahovce
VYHS Vyhne
ZBNS Zbynov
A331A Zubak

Slovenia
BISS Bistriski jarek
BOJS Bojanci
KBZS Brezje pri Sen
CADS Cadrg
CEY Cerknica
CESS Cesta pri Krskem
S52SK Cirkulane
RCF63 CIRKULANE
CRES Cresnjevec Ostr
CRNS Crni Vrh
DOBS Dobrina
DBY Dobrovo
GOLS Golise
GBAS Gorenja Brezovica
GRJ Gorje
GORS Gorjuse
GBRS Gornja Briga
GCIS Gornji Cirnik
GROS Grobnik
JAVS Javornik
KNDS Knezji Dol
KOGS Kog
LEGS Legarje
LJU Ljubljana
MOZS Mozjanca
PERS Pernice
PDKS Podkum
ROBS Robic
SKDS Skadanscina
VBY Vinica-Bojanci
VISS Visnje
VOJS Vojsko
VOY Vojsko
VNDS Vrh nad Dolskim
ZAVS Zavodnje

Spain
Balearic Islands
EIBI Ibiza
MAHO Mahon
ETOS Mallorca
ESEL Selva
Canary Islands
CHIO Chio
CDLV Cueva Verdes
CCUM Cumbre, El Hierro
CTAN El Hierro
CTIG El Hierro
CHIE El Hierro
CJUL El Julan, El Hierro
CFTV Fuerteventura
CFUE Fuerteventura
GGC Guia, Gran Canaria
GUI Guimar
CICO Icod de los Vinos
EGOM La Gomera
CLAN Lanzarote
CRST La Restinga, El Hierro
CCAN Las Canadas
CTAD Las Tabladas, Isla de El Hierro
CMCL Mercadel, El Hierro
CRAJ Montana Rajada
MACI Morro de la Arena
CORC Orchilla, El Hierro
TBT Taburiente
CTFE Tenerife
TEN Tenerife
CVVD Valverde
VVD Valverde
Ceuta
CEUT Ceuta
EXPTO Acel. Puerto Lumbreras
EXSF2 Acel. Santa Fe
EXTOT Acel. Totana
EADA Adamuz
EXAD Adra
ADRA Adra
E011 Adriano, Sevilla
EAGO Agolada(Pontevedra)
ERON Agron
EXAGR Agron
EXAGI Aguilas, Murcia
NE11 Ainzon
WAIT Aitana
ALBA Albanya
EALB Alboran
ALBO Alboran Island OBS
E001A Albudeite (Murcia)
EXAL Albunol
ALCN Alcanar
AFC Alfacar
ALCS Alfacar
E101A Algamitas (Sevilla)
EXAO Algodonales
EXAA Alhama Almeria
EALH Alhama de Murcia
EXAG Alhama Granada
EXAHM Alhama Murcia, Murcia
ALI Alicante
EXAI Alicante
ALJ Aljibe
EALK Alkurruntz
ALM Almeria
EXAM Almeria
E015 Alquife, Granada
ARAC Aracena
YARA Arangoiti
EARA Aranguren
EXAR Arenas del Rey
ARNO Arenosillo
E044 Argamason
EARI Arriondas
E036 Arroyo de San Servan
AAPN Arroyo Pinares
YASP Aspurt
AETJ Atarfe
AVN Avellanes
AVIN Avinyo
EXAYA Ayamonte
E017 Aznalcollar, Sevilla
EXBA Badajoz
EBAD Badajoz
EBAJ Bajamar
EBAN Banos Encina
BAJU Barcelona - Ciutat Vella
BAIN Barcelona - Plaa de Tetuan
EXBZ Baza
E009 Beas, Huelva
EXBE Becerrea'
EBEN Beniarda
EBEN2 Beniarda presa Alicante
EXBN Benidorm
YBER Berdun
EBER Berja
CBEU Beuda
EBIE Bielsa
BLAN Blanes
CBRU Bruguera
BRUG Bruguera
E022 Bujalance, Cordoba
EXBUL Bullas, Murcia
E038 Cabeza del Buey
E040 Cabezarrubias del Puerto
ACBG Cabo de Gata
EXCA Cadiz
E006 Caete la Real, Malaga
ECAL Calabor
ACLR Calar Alto
AALM Campus Universitario de Almeria
ACU Canalobre
CANF Canfranc
E042 Carrizosa
CART Cartagena
CRT Cartuja
COBS Casablanca
E005 Casares, Malaga
E037 Caserio Las Cruces
CCAS Cassa de la Selva
CIBOR Castaar de Ibor, Cceres
ALCX Castello
E032 Castillo de Giribaile, Vilches, Jaen
E0901 Celadas (Teruel)
SCRT Cerro San Cristobal
CEU Ceuta
ECEU Ceuta
ECHE Chera
EXCH Chimeneas
ACHM Chimeneas
ECHI Chisagues Bielsa
EVIV Cofrentes, Valencia
ECOG Cogollos-Vega
CNIL Conil
ECRI Cripan
DILR Dilar
EXDI Dilar
EBR Ebro Roquetas
EBRE Ebro Roquetas
EXCBR El Cabril
ECAB El Cabril
EXEL Elche
IELO Elcoad
EXED Elda
EXEJI El Ejido
EXEE El Ejido
EGRO El Granado
ELIZ Elizondo
E019 El Pedroso, Sevilla
E018 Embalse de El Pintado, Sevilla
GTBA Embalse de Guadalteba
E932 Embalse del Gaudalen, Jaen
VIBO Embalse de Viboras
ATANC Embalse El Atance (Siguenza - Guadalajara)
E1202 Enciso (La Rioja)
IEPA Eparoz
ESPR Espera
CESP Espinalbet
ESPO Espot
ESTP Estepa
EXES Estepona
CEST Esterri de Cardos
FBR Fabra
EFAM Famara
CFAR Far de la Banya
CFLI Flix
CFON Fontmartina
FONT Fontmartina
AFON Font Roja
AFUE Fuente Hervidero
CGAL Galliners
EXGA Gandia
E039 Gargantiel
CGAR Garraf
GIBL Gibalbin
CGIR Ginora - Universitat
CGIS Girona - Santa Caterina
GORA Gorafe
NE14 Granada
HR20 Granada
AIXA Granada
EXGRA Granada
EXCAB Granada
PSIM Granatula de Calatrava, Ciudad Real
CGRN Granollers
CGRY Granyena
EGRA Graus
GUD Guadarrama
EGUA Guajares
EXGUA Guardamar (Alicante)
HACH Hacho
EHRO Hierro
EHIG Higuera
HORN Hornachuelos
EHOR Hornachuelos
ERTA Horta de San Juan
E025 Huelma, Jaen
EXHU Huelva
EXHUO Hurcal-Overa, Almera
EHUE Huescar
ICJA ICTJA-CSIC, Barcelona
CBUD Illa de Buda
EINC Incio
ALR Isla de Alboran
ECOL Islas Columbretes
IPRE Itoiz
EXJA Jaen
JAND Jandula
E028 Jerez de los Caballeros, Badajoz
EXJIF Jimena de la Frontera, Cdiz
EJIF Jimena Frontera
EJIM Jimena Frontera
E0803 Jimena (Jaen)
EXJU Jumilla
EJUZ Juzbado, Salamanca
NE11* La Almunia
E045 La Font de la Figuera
EJON La Jonquera
EMUR La Murta
ELAN Lanestosa
E1302 La Puebla de Cazalla (Sevilla)
ROMA La Romaneta
ERUA La Rua
EXSEU La Seu d"Urgell
E031 Las Morras, Villanueva del Duque, Cordoba
CAVN Les Avellanes
E034 Letur, Albacete
LIJA Lijar
ILER Lleida
CLLI Llivia
LLIS Llivia - Poliesportiu
ELOB Lobios
LGR Logrono
ALOJ Loja
EXLO Lorca
ELOR Lorca, Murcia
TLOR Lorca, Murcia
EXLR Lorqui
ELGU Los Guajares, Granada
EXLU Lugo
ELUQ Luque
EXMAD Madrid
MDD Madrid
EXMA Malaga
MAL Malaga
EMAL Malaga-Limonero
E012 Marchena, Sevilla
E024 Martos, Jaen
CMAS Mas de Barberans
EMAZ Mazaricos
EXMAZ Mazarron
EMEL Melilla
MELI Melilla
WMELI Melilla
EMIJ Mijas
EMIN Mina Concepcion
EMIR Miracle
MOMI Momias
EMON Mondonedo
POBL Monestir Poblet
MRB Monserrat
MTJR Montjuic
AGER Montsec
CMON Montserrat
EXMOR Moron de la Frontera
EMOS Mosqueruela
EXMO Motril
EXMU Mula
YNAR Nardues-Aldunate
ANER Nerja
ENIJ Nijar
E033 Ojanco, Jaen
OJEN Ojen
OLOS Olot
OLT Olot
EXOR Olula del Rio
CORG Organya
ORG Organya
ORGV Orgiva
CORI Orista
E007 Orjiva, Granada
EORO Oroz-Betelu
EOSO Osorio
E010 Palacio de Doana, Huelva
CPAL Palau Saverdera
EXPA Pamplona
XIII Pantano de Alfonso
PARA Parapanda
APCG Parque de las Ciencias
YMUS Pea Musera
E030 Peraleda del Zaucejo, Badajoz
APHE Pico Herrero
EXPDH Pilar de la Horadada
PINR Pinar
EPLA Plasencia
PLAT Plata
EPOB Poblet
PONT Pont de Suert
EPON Pontenova
EQTA Presa de Quentar
EPRU Pruna
E002 Puerto del Bujeo, Cadiz
NE13 Puertollano
EQUE Quentar
EXQUE Queralbs
EQES Quesada
RANB Rancho Bola
REAL Reales
RESI Resinera
REUS Reus
ERIP Rio Piedras
TINT Rio Tinto
EXRIP Ripoll, Girona
EROQ Roquetas del Mar
E016 Rosal de la Frontera, Huelva
E008 San Bartolome de la Torre, Huelva
ESAC San Caprasio
SFS San Fernando
SFUC San Fernando
EPAB San Pablo
PAB San Pablo
SRQ San Roque
E020 Santaella, Cordoba
NE30 Santa Pau
CELO Sant Celoni
STS Santiago
NE26 Santiago de Compostela
SESP Santiago Espada
ALT02 Santillana del Mar (Cantabria)
ALT03 Santillana del Mar (Cantabria)
ALT01 Santillana del Mar (Cantabria)
ALT04 Santillana del Mar, Cantabria
EXSA Sarria
ASCB Sierra Cabrera

Code	*Station Name*	*Other*
E026	Sierra de Lcar, Granada	
ELIJ	Sierra de Lijar	
E001	Sierra del Retn, Cadiz	
SELV	Sierra Elvira	
ELVI	Sierra Elvira	
EGOR	Sierra Gorda, Loja, Granada	
ELOJ	Sierra Loja	
ASMO	Sierra Morrones	
YSIG	Sigues	
ESBB	Sonseca Array BB	
ESDC	Sonseca Array Beam Reference Point	
ES01	SONSECA Array Site 01	
ES02	SONSECA Array Site 02	
ES03	SONSECA Array Site 03	
ES04	SONSECA Array Site 04	
ES05	SONSECA Array Site 05	
ES06	SONSECA Array Site 06	
ES07	SONSECA Array Site 07	
ES08	SONSECA Array Site 08	
ES09	SONSECA Array Site 09	
ES10	SONSECA Array Site 10	
ES11	SONSECA Array Site 11	
ES12	SONSECA Array Site 12	
ES13	SONSECA Array Site 13	
ES14	SONSECA Array Site 14	
ES15	SONSECA Array Site 15	
ES16	SONSECA Array Site 16	
ES17	SONSECA Array Site 17	
ES18	SONSECA Array Site 18	
ES19	SONSECA Array Site 19	
ESLA	Sonseca Array Site A	
ESLB	Sonseca Array Site B	
ESLC	Sonseca Array Site C	
ESLD	Sonseca Array Site D	
ESLE	Sonseca Array Site E	
ESLF	Sonseca Array Site F	
ESLG	Sonseca Array Site G	
CSOR	Sort	
YSOS	Sos del Rey Catolico	
SQD	Susqueda	
EXTA	Tarifa	
TARIF	Tarifa	
CTAV	Tavertet	
ATEJ	Tejeda	
ETER	Terradas	
ETOB	Tobarra	
NE17	Toledo	TOL
TOL	Toledo	
TLO	Toledo HGLP	
E013	Torcal de Antequera, Malaga	
TORR	Tordecillas	
ETOR	Torete	
EXTPC	Torre Pacheco	
EXTO	Torrevieja	
E035	Torrevieja, Alicante	
CTRM	Tremp	
CTRE	Tremp	
CADI	Tunel del Cadi	
E0802	Ubeda,Jaen	
IUNC	Unciti	
YUND	Undues	
UCM	Universidad Complutense Madrid	
E029	Usagre, Badajoz	
IUSE	Utxeti	
CARA	Val d'Aran	
NE12	Valle Caidos	
EVAL	Valverde	
VAN2	Vandellos 2	
VELZ	Velez Rubio	
EXVE	Vera	
EXVE2	Vera, Almera	
EVIA	Vianos	
VIH	Vielha	
VIER	Vielha - Casau	
VIES	Vielha - Hospitau	
VILA	Vilada	
VNIG	Vilanova i la Geltru	
E041	Villalba de Calatrava	
E051	Villa los Angeles	
UMV12	Villanueva de San Juan (Sevilla)	
E021	Villaviciosa de Cordoba, Cordoba	
YEBES	Yebes (Guadalajara)	
E1002	Yechar (Murcia)	
EZAM	Zamans	
NE28	Zamora	
EXZAR	Zarcilla de Ramos, Murcia	
EZAR	Zarzadilla de Totana, Murcia	
IZUN	Zunzarren	
NE22		MAL
NE20		ALM
NE23		FBR
NE19		LGR
NE25		EBR
NE24		ALI
Svalbard		
ADV	Adventbay Spitsbergen	
HSPA1	Hornsund Array Site 1	
HSPA2	Hornsund Array Site 2	
HSPA3	Hornsund Array Site 3	
HSPA4	Hornsund Array Site 4	
HSPA5	Hornsund Array Site 5	
Sweden		
ABB	Abborrasen	
ABK	Abisko	
ASPU	Aespoe	
ATR	Alsterbro	
APP	Appelbo	APO
APO	ppelbo	
ARNU	Arnoeviken	
ASKU	Askersund	
BACU	Backbrunna	
BJUU	Bjuv	
BLEU	Blekinge	
BOGU	Bogesund	
BORU	Boraas	
BYD	Bredaryd	
BREU	Bredtraesk	
FIBU	Brunna	
BLMU	Bullmark	
BURU	Burvik	
BYXU	Byxelkrok	
DEL1	Delary	
DEL	Delary	
DUNU	Dundret	
EKSU	Eksjoe	
ERTU	Ertsjaerv	
ESKU	Eskilstuna	
FKPU	Falk	
FABU	Falkenberg	
FALU	Falun	
FINU	Finntorp	
FLYU	Flymyra	
FORU	Forsmark	
GNOU	Gnosjoe	
NE01	Goteborg	
GOT	Goteborg	
GOTU	Gotland	
GRAU	Graesoe	
GBD	Granbergs Dal	
GNN	Gunnerudssatern	
HFS	Hagfors	
HFSA1	Hagfors Array Site A1	
HFSB1	Hagfors Array Site B1	
HFSB2	Hagfors Array Site B2	
HFSB3	Hagfors Array Site B3	
HFSB4	Hagfors Array Site B4	
HFSB5	Hagfors Array Site B5	
HFSC1	Hagfors Array Site C1	
HFSC2	Hagfors Array Site C2	
HFA0	Hagfors New Array Site A0	
HFA1	Hagfors New Array Site A1	
HFA2	Hagfors New Array Site A2	
HFA3	Hagfors New Array Site A3	
HFB1	Hagfors New Array Site B1	
HFB2	Hagfors New Array Site B2	
HFB3	Hagfors New Array Site B3	
HFB4	Hagfors New Array Site B4	
HFB5	Hagfors New Array Site B5	
HFC2	Hagfors New Array Site C2	
HVK	Hallstavik	
HARU	Harads	
HASU	Hassela	
HED	Hedekas	
HEMU	Hemsoen	
HRN	Horndal	
HUDU	Hudiksvall	
HUSU	Husum	
IGGU	Iggoen	
KALU	Kalix	
KLS	Karlskrona	
KTN	Katrineberg	
KIR	Kiruna	
KUA	Kurravaara	
LANU	Lannavaara	
RATU	Laukkuluspa	
LILU	Lilltraesk	
LNKU	Linkoeping	
LUN	Lund	
LUNU	Lund	
MRE	Mariestad	
MASU	Masugnsbyn	
MYV	Myrviken	
NSD	Nasudden	
NIKU	Nikkaluokta	
NRAU	Nora	
NOD	Norderasen	
NRTU	Norrtaelje	
NYK	Nykoping	
NYNU	Nynaeshamn	
OSTU	Oestervaala	
OLDS	OLDS	
OLF	Olofstrom	
ONSU	Onsala	
ONAU	Onsala	
ORK	Orkelljunga	
OSKU	Oskarshamn	
PAJU	Pajala	
ROTU	Roteberg	
KOVU	Salmi	
SALU	Saltoluokta	
SJUU	Sjulsmark	
SKA	Skalstugan	
SOLU	Sollefteaa	
ODEU	Stanfors	
SGAS	Stanga	
SLL	Stollet	
STRU	Stroemstad	
SVAU	Svanoeiden	
T031	T031	
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T076	T076	
T077	T077	
T14S	T14S	
T16S	T16S	
T18S	T18S	
T30S	T30S	
T40S	T40S	
T41S	T41S	
T42S	T42S	
T60S	T60S	
T897	T897	
T898	T898	
TNU	Tenhult	
TJOU	Tjoern	
TBY	Torsby	
UDD	Uddeholm	
UME	Umea	
UMAU	Umeaa	
UPP	Uppsala	
VANU	Vaenersborg	
NASU	Vaermlandsnaes	
VSTU	Vaestervik	
VXJU	Vaexsjoe	
VNY	Varmlds Nysat	
VAS	Vassijaure	
VEB	Veberod	
VIKU	Vikbolandet	
VIM	Vimmerby	
Switzerland		
Luzern		
SLUW	Luzern Werkhofstrasse	
Raron		
LAUCH	Lauchernalp	
SAARA	Aarau, neue Kantonsschule, AG	
ACHB	Acheberg	
AGA01	Agarn, Football field, VS	
AIGLE	Aigle	
SAIG	Aigle Rue de la Gare	
PREO5	Alpe di Rosciora stable-part 5, Preonzo, TI	
APL	Alpnach	
SALTS	Altdorf, Kantonsspital	
SAPK	Appenzell, Kantonsschule, AI	
A062A	Arbedo Castione, Alpe di Gesero, TI	
SARE	Arbon, Evangelische Kirche, TG	
SARD	Ardez Schule, GR	
SARC	Ardon Commune, VS	
SAUR	Augst-Roemermuseum	
SAYF2	Ayent-Fortunoz Trafohaus, VS	
SBAS	Baar Spital, ZG	
BALST	Balsthal	
BNALP	Bannalp	
BBS	Basel-Blauen	
SBAF	Basel-Friedhofgasse	
SBAK	Basel, Klybeck	
SBAM2	Basel, Mnster, BS	
SBAP	Basel-PUK	
SBAJ2	Basel, St Johann, BS	
SBAT	Basel-Tropenhaus	
SBAV	Basel, Vogelsang, BS	
SBAW	Basel, Wirtschaftsgymnasium, BS	
BAS	Basle	
ELM0	Bergli, Elm, GL	
SBGN	Bergn Schule, GR	
BERNI	Berninapass	
SBERN	Bern, Kleine Schanze	
SBEG	Bettingen Gewerbehaus	
SBIK	Biel, Kongresshaus, BE	
SBIS2	Binningen	
SBIF2	Birsfelden, Friedhof	
BOBI	Bbikon, Wasserreservoir Allmend, AG	
BOURR	Bourrignon	
BRIZ1	Brienz/Brinzauls, GR	
BRIZ2	Brienz, Instabilitaet Caltgeras, GR	
BRI	Brig	
BIBA	Brigerbad	
SBRS	Brig, Spital	
BUB	Buchberg	
SBUA2	Buchs, Altendorf	
SBUB	Buchserberg Malbun	
SBUH	Buchs, Hochschule	
SBUL	Bulle cole, FR	
SBUS	Buochs, Nidwalden	
SCAS2	Camedo, Paratoia di Spurgo TI	
SCEL	Celerina	
ILLEZ	Chalet Vouargne Bourlo, Wallis, VS	
SCOD	Chteau-d'Oex, salle de spectacle VD	
SCHAT	Chtillon, cole, FR	
SULZ	Cheisacher	
CHIR1	Chironico	
CHU	Chur	
SCUG	Chur Gewerbeschulhaus	
SCHK	Churwalden Kloster GR	
ESION	College des Creusets, Sion	
CON01	Conthey, Agroscope, VS	
SCOU	Cournillens	
CUNA	Curaglia	
DAVON	Davos	
DAVOS	Davos	
DAVOX	Davos/Dischmatal	
SDAK	Davos, Kongresszentrum GR	
ZUR	Degenried	
SGT03	Degersheim	
SDES	Delmont, Spital JU	
DOETR	Doetra (Olivone)	
SIEB	Ecole de Borzuat	
SGT05	Eggersriet	
QEG00	Eglisau, Reservoir Grafenholz, ZH	
EMBD	Embd, Mattertal	
EMMET	Emmethof	
EMO	Emosson	
EMS	Emosson-Mur	
SEMOS	Emosson Staumauer, Bunker	
SENGL	Engelberg, Kloster, OW	
SEFS	Erstfeld, Schule, UR	
FIESA	Fiescheralp	
FLACH	Flaach	
RAW4	Former Reservoir Mayens-de-Chamoson, VS	
EWZT1	Frdhf. Weidikon, ZR	
SFRA	Frenkendorf	
SFRU	Fribourg, Universitt Freiburg, FR	
SFRS	Frutigen, Schulhaus Kanderbrueck, BE	
FUSIO	Fusio	
SGT01	Gaiserwald	
SGAK	Gampel Kirche, VS	
GMS01	Gemsstock NE-Grat, Andermatt, UR	
SGEV	Genve, Vieux-Billard	
SGEM	Genf, Marziano	
SGLK	Glarus, Kantonsspital, GL	
SGT18	Golfpark Waldkirch, SG	
DIX	Grande Dixence	
GRIMS	Grimsel Gerstenegg	
GRYON	Gryon	
ELAUS	Gymnase	
HALTI	Haltingen (BS)	
HAMIK	Hmikon, Dlikerfeld, LU	
HASLI	Hasliberg/Brienz	
SHEK	Heerbrugg, Kantonsschule SG	
SHER	Hrmence, Route du Solitaire, VS	
SIZS	Ilanz Schule GR	
ILL15	Illgraben, Alpage de Chandolin, VS	
ILL16	Illgraben, Fort du Bachet, VS	
A061A	Innerthal, SZ	
SINS	Interlaken, Schloss	
JAUN	Jaun, Euschelspass, FR	
SKAF	Kaiseraugst-Friedh	
KAMOR	Kamor	
LIENZ	Kamor/St.Gall Rh.T	
EBUEL	Kantonsschule Buelach	
EWATT	Kantonsschule Wattwil	
SKEK	Kerns, Kirchgemeinde, OW	
SKLW	Kloten, Waffenplatz, ZH	
SKRK	Kreuzlingen, Kantonsschule TG	
SLCF	La Chaux de Fonds, Flughafen, NE	
SALAN	Lac Salanfe	
SENIN	Lac Senin/Sanetsch	
BTNF	Ladstafel, Nufenenpass, VS	
RITOM	Lago Ritom (SBB)	
NOV4	La Tour-de-Pellz	
NVL1	Lau de Morge, St.Gingolph, VS	
SEPFL	Lausanne EPFL	
LAVEY	Lavey les Bains, Waadt, VD	
NVL2	Le Croseau, ST.Gingolph, VS	
RAW1	Lenk, BE	
CI18	Le Prarion, La Cote	
CI19	Les Bois	
RAW3	Les Diablerets, Reservoir des Cretes, VD	
SAIRA	Les Sairains Dessus	
BRANT	Les Verrieres	
LKBD	Leukerbad	
LKBD2	Leukerbad 2	
EBELL	Liceo Cantonale, Bellinzona	
SLTM2	Linthal, Matt	
LLS	Linth-Limmern	
SLOP	Locarno, Pompieri	
SUSI	Lugano, Universit d. Svizzera Italiana, TI	
LUKA1	Lukmanier-Pass	
DAGMA	Lutertal, Dagmarsellen	
SLUB	Luzern Bramberg	
SLUK	Luzern Kirche, LU	
SLUZ	Luzern Zentralbibliothek	
ELFMC	Lycee	
SMAO	Martigny, Rue d'Octodure	
MMK	Mattmark	
MAUBO	Mauborget	
SMFL	Mauren, Feuerwehr, FL	
MELS	Mels	
SMELS	Mels Schulhaus Feldacker, SG	
ILL14	Mittler Illalp, ILLGRABEN, VS	
MNT1	Montagnon	
MTI03	Mont Terri (freefield, SED-Schacht NW400, Brunefarine) JU	
MTI02	Mont Terri, (HE Schacht)	
MTI01	Mont Terri (ME Nische)	
MTIA1	Mont Terri MTIA1, JU	
MTIA2	Mont Terri MTIA2, JU	
MTIA3	Mont Terri MTIA3, JU	
MTIA4	Mont Terri MTIA4, JU	
SMOE	Moudon cole, VD	
MUGIO	Muggio	
MFSFA	Multi FST (Faido)	
MFSFB	Multi FST (Faido)	
MUO	Muotathal	
SMUK	Muraz-Klaeranlage	
SMUR	Muraz-Reservoire	
SMZW	Muttenz-Waldhaus	
NDTR1	NAGRA Drilling, Truellikon, ZH	
NARA	Nara (Leontica)	
SNTZ	Naters, Zentrum Missione, V	
NEU	Neuchatel	
NEC	Neuchatel	
SNES2	Neuenburg, Observatorium, NE	
NIE01	Niedergesteln, Fire station, VS	
NOV1	NOV1	
NOV2	NOV2	
NOV3	NOV3	
GSF02	Oberaar-Guttannen, Baeregghuette, BE	
ILL13	Obere Abschlacht, ILLGRABEN, VS	
GSF03	Obergoms, Fort Galenhuetten Furkastrasse, VS	

Code	*Station Name*	*Other*
FUORN	Ofenpass-Fuorn	
SOLS	Olten Spital, SO	
ORB	Orbe	
OTTER	Otterbach	
OTER1	Otterbach 1 (BS)	
OTER2	Otterbach 2 (BS)	
OSS	Ova Spin	
PFAFF	Pfaffnau Reservoir	
PANIX	Pigniu (Panix)	
ILL17	Plaine Madeleine, ILLGRABEN, VS	
PLONS	Plons/SG	
NVL3	Port Valais, Les Evouettes, Wallis VS	
MFERR	Prayon, Val Ferret, La Fouly, VS	
PREO4	Preonzo, Alpe di Roscera stable 3, TI	
PREO1	Preonzo, Alpe di Roscioro, Stable 1, TI	
PREO3	Preonzo, Alpe di Roscioro, Stable 2, TI	
PREO2	Preonzo, Alpe di Roscioro, Unstable, TI	
RAR02	Raron, Airdrome, VS	
RAR01	Raron, Gemeindekanzlei, VS	
SRER	Reinach, Rainenweg	
SRNR	Reinach, Reinacherhof	
FULLY	Reservoir Mazembroz, Wallis, VS	
SRFW	Rheinfelden, Werkhof, AG	
RA43	Rhonegletscher, north of the glacier lake, VS	
RA42	Rhonegletscher, north of the glacier lake, VS	
RA51	Rhonegletscher, Obergoms, Schweiz	
RA53	Rhonegletscher, Obergoms, Schweiz	
RA52	Rhonegletscher, Obergoms, Schweiz	
RA01	Rhonegletscher, RA01, VS	
RA02	Rhonegletscher, RA02, VS	
RA03	Rhonegletscher, RA03, VS	
RA04	Rhonegletscher, RA04, VS	
RA05	Rhonegletscher, RA05, VS	
RA06	Rhonegletscher, RA06, VS	
RA07	Rhonegletscher, RA07, VS	
RA08	Rhonegletscher, RA08, VS	
RA09	Rhonegletscher, RA09, VS	
RA10	Rhonegletscher, RA10, VS	
RA11	Rhonegletscher, RA11, VS	
RA12	Rhonegletscher, RA12, VS	
RA13	Rhonegletscher, RA13, VS	
RA14	Rhonegletscher, RA14, VS	
RA41	Rhonegletscher, west of Gross Furkahorn, VS	
RIEH2	Riehen 2 (BS)	
SRHB	Riehen-Baumlih	
SRHE	Riehen, Erlenstrsschen, BS	
SRHH	Riehen, Zur Hoffnung, BS	
ROMAN	Romanshorn, Forsthaus, TG	
A060B	Romoos, Napf, BE	
ROTHE	Rothenfluh	
SAX	Saentis	
ILL12	Sagenschleif ILLGRABEN, VS	
SAI01	Saillon, Rue du Grand Clos, VS	
LEO01	Saint Lonard, STEP, VS	
RAW2	Sanetsch, VS	
SARK	Sarnen Kantonsschule	
SCHE	Schaffhausen-Ebnat	
SCHS	Schaffhausen, Spital	
SGT04	Schlatt-Haslen	
SLE	Schleitheim	
MATTE	Schuetzenmatte (BS)	
ELM1	Schwanderberg, Haslen, GL	
SSCN	Schweizerhalle, Novartis	
SWYZ	Schwyz, Kantonsschule Kollegium, SZ	
SCUC	Scuol-Clozza	
SGT00	Sennhlsen	
SIERE	Sierre	
SIE01	Sierre, Farmhouse, VS	
SIMPL	Simplonpass	
SIS	Sion	
SIOM	Sion-Mayennets	
SIOO	Sion-Ophtalmol	
SIOV	Sion-Valere	
SOLB	Solothurn Schulhaus Brhl	
SOLZ	Solothurn, Zeughausgasse	
QEG01	Stadel, Weggabelung Kl. Forstamt, Aemperg, ZH	
SSTS	Stans, Spital NW	
CURA	Stauanlage Cunera	
ELM3	Stegerstafel, Elm, GL	
STEIN	Stein am Rhein	
ILL18	Steinschlaghuette ILLGRABEN, VS	
STGK	St. Gallen Kloster	
GIMEL	St. Georges / Gimel	
STIEG	Stiegenhof Hundestation	
JOHAN	St. Johann (BS)	
SSMS	St. Maurice, Haute cole pdagogique du Valais, VS	
STAF	Tafers	
TMA	Tamaro	
STHK	Thun, Kantonsschule BE	
TORNY	Torny/Romont	
TONGO	Tortengo (Faido)	
EWZT0	Triemli, ZR	
STRW	Triesenberg, Werkhof, FL	
TRULL	Truellikon	
STSP	Tschierv	
PIORA	Tunnel	
EWZT3	Uitikon, ZR	
VDL	Val di Lei	
NALPS	Val Nalps	
SVAM	Vaz, Muldain	
VET03	Vtroz, Le Botza, VS	
VET01	Vtroz, Route Cantonale, VS	
VET02	Vtroz, Route de la Bourgeoisie, VS	
SVEJ	Vevey Jardin du Rivage, VD	
EMV	Vieux Emosson	
SFEL	Villigen, Paul Scherrer Institut AG	
SVIL	Visp Littennaring	
SVISP	Visp, Lonza VS	
SVIO	Visp Obere Stapfengasse	
SVIT	Visp-Terbinerstrasse	
VANNI	Vissoie, Val d'Anniviers	
BTAO	Waffenplatz Bedrina, Airolo, TI	
WGT	Wgital, SZ	
SWAS	Walenstadt, Sportplatz SG	
A060A	Wasen, Napf, BE	
NDBU	Wasserreservoir Schachen, Buelach, ZH	
WEIN	Weingarten	
EWZT2	Wettswil, ZR	
WILA	Wila	
QEG02	Wil, Freihaltefl che Egissen, ZH	
SWIK	Wil, Kantonsschule, SG	
WIMIS	Wimmis	
SWIS	Winterthur Spital, ZH	
WOLEN	Wohlen bei Bern, Struchismoos, BE	
SYVJ	Yverdon-Jordils	
SYVP	Yverdon-les-Bains, rue des Philosophes	
SZEK	Zermatt, Kirche VS	
MH36	Zermatt, Position 36, VS	
MH38	Zermatt, Position 38, VS	
MH44	Zermatt, Position 44, VS	
SZER	Zernez	
STSW2	Zeuzier, Stausee VS	
SGT02	Zihlschlacht	
ZLA	Zuerich Laegern	
ZUL	Zurich-Lageren	
SZUZ	Zrich, Zeughauswiese	
SZWD2	Zweisimmen Kirche, BE	
Valais		
SGRA	Graechen Ausblick	
SNIB	St. Niklaus Bahnhofstrasse	
Thessaly		
ALM1	Almyros	
KAR2	Kardistsa	
Thuringen		
WARTH	Alte Warth	
GLEI	Burg Gleichenstein	
RANIS	Burg Ranis	
KAMM	Forsthaus Kammerforst	
FRAU	Fraureuth	
GERA	Gera	
LUHNE	HRB Luhne-Lengefeld	
BONN	Klostergut Bonnrode	
MUEN	Kloster Mnchenlohra	
MEHR	Mehrstedt	
MENTE	Menteroda	
MORAS	Morassina Schaubergwerk	
GEIDO	Obergeißendorf	
ZEITZ	Schloss Moritzburg Zeitz	
SONN	Sonnenstein	
SPAHL	Spahl	
TIER	Stollen Tierberg Steinach	
NEUST	TS Neustadt	
Ukraine		
BAL3X	Bal3x, Balta	
PNT4	Drohobych	
PNT5	Drohobych	
PNT3S	Drohobych	
KHAM	Kharkiv	
KIEV	Kiev	
RNPP1	Kostyukhnivka	
RNPP2	Kostyukhnivka	
LUBAR	Lubar, Ukraine	
MKY	Makeyevka	
AKASG	Malyn Array Beam Reference Point	
AK01	Malyn Array Site 01	
AK02	Malyn Array Site 02	
AK03	Malyn Array Site 03	
AK04	Malyn Array Site 04	
AK05	Malyn Array Site 05	
AK06	Malyn Array Site 06	
AK07	Malyn Array Site 07	
AK08	Malyn Array Site 08	
AK09	Malyn Array Site 09	
AK10	Malyn Array Site 10	
AK11	Malyn Array Site 11	
AK12	Malyn Array Site 12	
AK13	Malyn Array Site 13	
AK14	Malyn Array Site 14	
AK15	Malyn Array Site 15	
AK16	Malyn Array Site 16	
AK17	Malyn Array Site 17	
AK18	Malyn Array Site 18	
AK19	Malyn Array Site 19	
AK20	Malyn Array Site 20	
AK21	Malyn Array Site 21	
AK22	Malyn Array Site 22	
AK23	Malyn Array Site 23	
AKBB	Malyn Array Site BB	
MI28	Mi28,Pidlybu	
MI29	MI29, Kamyanyy Brid	
MI30	MI30,Zelenitsa	
NIKV	Nikolaev	
NDNU1	Nyshivtsy	
NIZO	Nyzhchyi-Ol'chedaiv	
NE56	Odesa	
PLTM	Poltava	
NE58	Poltava	
NDNU3	Rozkopintsy	
NDNU2	Shebutintsy	
NE55	Skvira	
RNPP9	Sopachiv	
RNPP5	Staryi Chortoryisik	
UZHM	Uzhgorod	
RNPP8	Varash	
United Kingdom		
Channel Islands		
JRS	Jersey	
JDC	Jersey Dam (Crest)	
JDG	Jersey Dam (Gallery)	
JLP	Les Platons	
JQE	Queens East	
JSA	Saint Aubin	
JVM	Valle D.L. Mare	
England		
HAE	Alders End	
XAL	Allendale	
AFH	Ashford Hill	
ABA1	Baconsthorpe	
BHM	Barham	
BATH	Bath	
BID	Bidston	
BMY	Bingley Moor	
KBI1	Birley Grange	
BKN	Blacknest	
HBL2	Bonnylands	
LBO	Bowland	
TBW	Brentwood	
BUW	Bucklebury West	
CBW1	Budock Water	
BUWY	Burn	
CCA1	Carnmenellis	
LCP	Cassop	
CWF	Charnwood Forest	
CHDUK	Cheddleton UK	
CLB	Chilbolton	
TCR	Colchester	
DCO	Combe Farm	
CCO1	Constantine	
LCK	Crook	
XDE	Dent Fell	
CDU1	Dunnerdale	
DUR	Durham	
AEU	East Anglia University	
TEB	Eastbourne	
EDMD	Edmundbyers	
ELSH	Elham, Standardhill Farm (Kent)	
HEX	Exmoor	
TFO1	Folkestone	
GDLE	Glaisdale, N Yorkshire Moors	
CGH1	Goonhilly	
HGH	Gray Hill	
GILD	Guildford	
CGW	Gweek	
HTL	Hartland	
SFH	Hasselmere	
HPK	Haverah Park	
HEA	Headley	
HMNX	Herstmonceux	
HHWY	High Hoyland	
LHO	Holmfirth	
SIW	Isle of Wight	
CKE	Keswick	
KESW	Keswick, Cumbria	
KEW	Kew	
KEY1	Keyworth	
KEY2	Keyworth	
LKL	Kirkby Lonsdale	
SKP1	Kophill	
LBWR	Ladybower, Peak District	
LDU	Leeds University	
LVR	Liverpool	
LLO	Longridge	
LLY	Lytham Saint Anne's	
CMA1	Manaccan	
LMK	Market Rasen	
SMD	Mendips	
CME	Menerdue Farm	
MMY	Middlesmoor	
LMI	Millom	
LBH	Morecambe B102	
OLDB	Oldbury-Upon-Severn	
OMWY	Oxenhope Moor	
OXD	Oxford	
APAE	Packway	
CPZ	Penzance	
PLYM	Plymouth	
POE	Porton East	
POS	Porton South	
QMB	Queensbury	
LRN	Richmond	
CRQ	Rosemanowes	
CRQ2	Rosemanowes 2	
SBD	Saint Breward	
CSF	Scaffel	
SLPK	Sellapark	
TSA1	Sevenoaks	
SHT	Sharpitor	
SHID	Shide	
SCK	South Creake	
CSA1	St Austell	
CST1	Stithians	
STNC	Stoke	
STO	Stonyhurst	
SSW	Stow on the Wold	
STRD	Stroud	
SWN1	Swindon	
SWG	Swingate, Kent	
KSY	Syston	
BTA	Talkin	
KTG1	Tilbrook Grange	
KUF	Ufford	
SWK	Warminster	
KWE	Weaver Farm	
WACR	West Acre	
WBE	West Bromwich	
AWH	Whinburgh	
LWH	Whinny Nab	
AWI1	Witton	
WOL	Wolverton	
WON	Wolverton North	
DYA	Yadsworthy	
Northern Ireland		
CLGH	Cloghs, Cushendall	
GCL	Cushendall	
GMM	Mts of Mourne	
Orkney Islands		
OHO	Hoy	
OST	Stronsay	
OWE	Westray	
Scotland		
ABE	Aberdeen	
EAB	Aberfoyle	
KAC	Achnashellach	
MVH1	Achvaich	
KAR1	Arisaig	
EAU	Auchinoon	
EBH	Black Hill	
BBO1	Bothel	
OBR	Brabster	
EBL	Broad Law	
BBH	Bruntsheil	
RCR	Cape Wrath	
PCA1	Carrot	
GCD	Castle Douglas	
ECK	Cauldkaine Hill	
BCC1	Chapelcross	
MCD	Coleburn Distillery	
PCOU	Corrie	
BDL	Dobcross Hall	
MDO	Dochfour	
EDR	Drumtochty	
EDU	Dundee	
EDI	Edinburgh	
REB	Eisghbrachaidh	
ESK	Eskdalemuir	
EKG	Eskdalemuir	EKB
EKB	Eskdalemuir	
EKA	Eskdalemuir Array	
EKB1	Eskdalemuir Array Site B1	
EKB10	Eskdalemuir Array Site B10	
EKB2	Eskdalemuir Array Site B2	
EKB3	Eskdalemuir Array Site B3	
EKB4	Eskdalemuir Array Site B4	
EKB5	Eskdalemuir Array Site B5	
EKB6	Eskdalemuir Array Site B6	
EKB7	Eskdalemuir Array Site B7	
EKB8	Eskdalemuir Array Site B8	
EKB9	Eskdalemuir Array Site B9	
EKR1	Eskdalemuir Array Site R1	
EKR10	Eskdalemuir Array Site R10	
EKR2	Eskdalemuir Array Site R2	
EKR3	Eskdalemuir Array Site R3	
EKR4	Eskdalemuir Array Site R4	
EKR5	Eskdalemuir Array Site R5	
EKR6	Eskdalemuir Array Site R6	
EKR7	Eskdalemuir Array Site R7	
EKR8	Eskdalemuir Array Site R8	
EKR9	Eskdalemuir Array Site R9	
MFI	Fishrie	
RFO	Forsnaval	
EGL	Gala Law	
EGL1	Gala Law	
GAL1	Galloway	
PGBU	Glenifferbraes	
BHH	Howats Hill	
INVG	Invergeldie, Comrie	
KYL	Kyle	
MLA1	Latheron	
LEWI	Lewis, Hebrides	
LAWE	Loch Awe, Argyll & Bute	
LINV	Loch Inver, Assynt	
ELO	Logie Almond	
DRUM	Mains of Drumtochty	
MME1	Meikle Cairn	
PMSU	Muirshiel	
GMK	Mull of Kintyre	
KNR1	Nevis Range	
BNA	New Abbey	
NEWG	New Galloway	
POB1	Observatory	
KPL	Plockton	
ORE	Reay	
RRH	Rhenigidale	
RRR	Rubha Reidh	
RSC	Scourie	
KSK	Scoval	
KSB	Sheil Bridge	
XSO	Sourhope Farm	
ESY	Stoneypath	
RTO	Tolsta	
OTO	Tongue	
BIGH	Upper Bighouse, Forsinard	
BWH	Wardlaw	
Shetland Islands		
LRW	Lerwick	
LRWS	Lerwick	
SANU	Sandwick	
SAN1	Sandwick	
WALU	Walls	
WAL1	Walls	
YELU	Yell	
YEL1	Yell	
Wales		
BYB	Berrybush	
WBR	Bronaber	
SBD1	Bryn Du	
WPS	Cemaes, Anglesey	
WCB1	Church Bay	
HCG	Craig Goch	
WFB	Fairbourne	
FOEL	Foel Wylfa	
LPW	Lampeter	
YLL	Llanberis	
LLW	Llanuwychllyn	
WLC	Llyn Conwy	
WLF1	Llynfaes	
HLM1	Long Mynd	
MCH1	Michaelchurch	
MONM	Monmouth	
WME	Myndd Eilian	

Code	Station Name	Other
HPE	Pembroke	
WPM1	Penmaenmawr	
YRH	Rhiw	
YRC	Rhoscolyn	
RSBS	Rosebush, Pembrokeshire	
SSP1	Stoney Pound	
WST	Stwlan	
HSA	Swansea	
HTR	Trewern Hill	
WVR	Vyrnwy	
YRE	Yr Eifl	
Valais		
GAM01	Gampel, Insieme Werkstaetten	

INDIAN OCEAN

Amsterdam Island		
STPA	Saint-Paul - TAAF, France	
Australia		
Christmas Island		
XMI	Christmas Island	
XMIS	Christmas Island	
Cocos Islands		
CCK	Cocos Island	
COCO	West Island	
Heard Island		
HII	Heard Island	
Chagos Archipelago		
H08N1	Diego Carcia HYDROACOUSTIC SITE N1	
H08S1	Diego Carcia HYDROACOUSTIC SITE S1	
DGAR	Diego Garcia	
H08N2	Diego Garcia HYDROACOUSTIC SITE N2	
H08N3	Diego Garcia HYDROACOUSTIC SITE N3	
H08S2	Diego Garcia HYDROACOUSTIC SITE S2	
H08S3	Diego Garcia HYDROACOUSTIC SITE S3	
I52GB	DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	
Cocos Islands		
I06AU	Cocos Islands	
France		
Amsterdam Island		
AIS	Amsterdam Island	
Crozet Islands		
CRZF	Crozet Islands	
H04N1	CROZET ISLANDS HYDROACOUSTIC SITE N1	
H04N2	CROZET ISLANDS HYDROACOUSTIC SITE N2	
H04N3	CROZET ISLANDS HYDROACOUSTIC SITE N3	
H04S1	CROZET ISLANDS HYDROACOUSTIC SITE S1	
H04S2	CROZET ISLANDS HYDROACOUSTIC SITE S2	
H04S3	CROZET ISLANDS HYDROACOUSTIC SITE S3	
Kerguelen Islands		
KCA	Cave	
I23FR	KERGUELEN INFRASONIC ARRAY REFERENCE POINT	
KCH	Monts Chateau	
PMK	Pointe Molloy	
PAF	Port-aux-Francais	
KPB	Port Bizet	
KPD	Port Douzieme	
Reunion		
PCR	La Plaine Cafres	
REU	Reunion Island	
RER	Riviere de l'Est	
Mauritius		
RODM	Citronelle, Rodrigues Island	
MRI	Mauritius Island	
MRIV	Mauritius Meteorological Services (Vacoas)	
ROCAM	Rodrigues Island Caves	
Seychelles		
SEY1	Mahe	
MSEY	Mahe Island	
SEYC	Seychelles	
South Africa		
Prince Edward Islands		
MIO	Marion Island	
Southern Indian Ocean		
DF02	SWIR Dragon Fly vent, OBS02	
DF03	SWIR Dragon Fly vent, OBS03	
DF04	SWIR Dragon Fly vent, OBS04	
DF05	SWIR Dragon Fly vent, OBS05	
DF06	SWIR Dragon Fly vent, OBS06	
DF07	SWIR Dragon Fly vent, OBS07	
DF08	SWIR Dragon Fly vent, OBS08	
DF09	SWIR Dragon Fly vent, OBS09	
DF10	SWIR Dragon Fly vent, OBS10	
DF13	SWIR Dragon Fly vent, OBS13	
DF14	SWIR Dragon Fly vent, OBS14	
DF15	SWIR Dragon Fly vent, OBS15	
DF16	SWIR Dragon Fly vent, OBS16	
DF17	SWIR Dragon Fly vent, OBS17	
DF20	SWIR Dragon Fly vent, OBS20	
DF21	SWIR Dragon Fly vent, OBS21	
DF22	SWIR Dragon Fly vent, OBS22	
DF23	SWIR Dragon Fly vent, OBS23	

NORTH AMERICA

Aguascalientes		
AAIG	Aguscalientes	
Arizona		
TLAX	Ej. Tlaxcala, Mexicali	
SALN	Salton City	
Baja California		
PCHMX	Agua Dulce, PCH	
DESMX	Alvarez, DES	
BAX	Bahia de los Angeles	
BAHB	Baha de los ngeles	
COMMX	Bataquez, COM	
BDSO	Brigada del Sol, Mexicali	
CANC	CAN	
CATC	CAT	
VIC1	Col Coahuila, VIC	
TRIMX	Col. Lazaro Cardenas, TRI	
CNA27	Comision Nacional del Agua 27	
COYCI	COY	
DI7	Delta	
DRETJ	Distrito Reforma Tijuana	
DUZA	Dulzura	
E1X	E1X	
E2X	E2X	
E3X	E3X	
E4X	E4X	
E5X	E5X	
E6X	E6X	
AGSX	Ej. Aguas Calientes	
JARAX	Ej. Heriberto Jara	
HJAMX	Ejido Choropo, HJA	
HDI	Ejido Heroes de la Independencia	
CPE2	Ejido Nueno Leon	
D09	Ejido Nuevo Leon	
YUC2X	Ejido Yucatan	
CPSMX	Ejido Zacamoto, CPS	
OJOX	Ej. Ojos Negros	
PESCX	Ej. Pescaderos	
TAMA	Ej. Tamaulipas	
YUCAX	Ej. Yucatn	
NOVRB	El Novillo Sonora	
SFX1	Estrella, SFX	
FAIMX	FAI	
FRM2	Fiarum2 CEA PB3	
GUVIX	Guadalupe Victoria	
NE74	Guerrero Negro B.C.S	
CALMX	Heroes del Desierto, CAL	
CPNMX	Hidalgo, CPN	
CSOMX	Hidalgo, CSO	
GEOMX	Hidalgo, GEO	
HDFA	Hospital de la Familia	
HGTTJ	Hospital Gral. Tijuana	
ICBC	Inst. de Cultura de B.C.	
CORX	Isla Coronado	
K62	K62	
LAPR	La Primavera	
CPOMX	La Puerta, CPO	
RDCC	La Rosa de Castilla, RDC	
NE77	Loreto B.C.S	
LANMX	Los Malcriados, LAN	
LS01	LS01	
LS02	LS02	
LS03	LS03	
LS04	LS04	
LS05	LS05	
LS06	LS06	
LS07	LS07	
LS08	LS08	
LS09	LS09	
LS10	LS10	
LS11	LS11	
LS12	LS12	
LS13	LS13	
LS14	LS14	
MAYMX	MAY	
HGM	Mexicali	
CEA0	Mexicali	
MDOC	Michoacn de Ocampo	
OJONX	Ojos Negros	
PLMO	Planta Morelos	
PLATJ	Playas de Tijuana	
B11MX	Plaza Santa Maria, B11	
STMMX	Plaza Santa Maria, STM	
POT2	Potabilizadora Mexicali	
POTX	Potabilizadora X. Mexicali	
CNATK	Presa El Carrizo, Tecate	
TKCNA	Presa El Carrizo, Tecate	
CNAEN	Presa Emilio Lopez Z.	
LIDC	Puerta Blanca, LID	
ABEMX	Ramos, ABE	
RACA	Rancho agua Caliente	
ALAMX	Rancho Alamar	
RSLU	Rancho San Luis	
UAGRB	Rancho Ultima Agua, B.C.S	
MINMX	Rancho Viejo MIN	
CNALG	Represo Algodones	
RHX	Rio Hardy	
TCKMX	Roa, TCK	
FRM1	Rumorosa	
ERMX	Rumorosa	
D12	Saltilio Ejido	
SDMC	San Diego Mission Control	
EVAR0	San Evaristo	
SFQB	San Francisquito	
PRIMX	San Gabriel, PRI	
CNTR	San Joaquim	
NE79	San Jose del Viejo B.C.S	
SLGB	San Luis Gonzaga	
SNIRB	San Nicols	
SQX	San Quintin	
SIVMX	Santa Isabel viejo, SIV	
SV2X	San Vicente	
SVX	San Vicente	
ESJX	Sierra Juarez	
SMGL	SMGL	
SPAC	SPA	
STCN	STCN	
TJX	Tijuana	
PIPTJ	Tijuana	
AGUTJ	Tijuana	
CNATJ	Tijuana	
SCAMX	Tres Palmas, SCA	
VTX	Valle De La Trinidad	
BMAMX	Venustiano Carranza, BMA	
CVIN	VIN	
YUX	Yurimuri	
CZAR	ZAR	
ZC01	Zona Comercial 1	
ZC06	Zona comercial 6	
British Columbia		
BOIB	Bowen Island	
California		
ADAM	Adams Ridge, Knoxville, CA USA	
ALVW	Alview-dairyland Union Elementary, Dairyland, CA USA	
ATP	Archer Taylor Preserve	
AUSC	Austin Creek State Park	
AVNL	Avenal, CA USA	
AVSP	Avenal State Prison	
BAKR	Baker Fire Station, Cottonwood	
BJES	Bald Jesse, CA USA	
BAYL	Bayliss	
BEVN	Bevans Ridge	
BCCR	Big Chico Creek Reserve, CA USA	
HUNT	Big Hunter Mountain, Platina, CA USA	
BIGM	Big Mountain, Salyer, CA USA	
BIGV	Big Valley, Newell, CA USA	
BLAS	Black Lassic, Blocksburg, CA USA	
BLAK	Black Rock Reservoir, Balch Camp, CA USA	
BLCR	Blue Creek Mtn., Six Rivers National Forest, Johnsons, CA USA	
BLUE	Blue Mountain, Wilseyville, CA USA	
BONV	Boonville, CA	
BOYR	Boyers Landing	
BRAD	Bradley, CA USA	
BR2MX	Brawley, BR2	
BRIC	Briceland Vineyards, California	
BUCR	Buckhorn Ranch, CA USA	
CGRV	Cedar Grove, Kings Canyon National Park, CA USA	
CERS	Ceres, CA, USA	
YUBA	Cisco Grove, Yuba Pass, CA USA	
GCKB	Clark Valley	
CLRV	Clear Lake Reservoir, Modoc National Forest, Newell, CA USA	
COK2	Cook Ranch 2	
CCOR	Corcoran	
DCMP	DeCamp, California	
DLIK	Deer Lick Knob, Platina, CA USA	
DIAZ	Diaz Spring, Modoc National Forest, Brockman, CA USA	
DMOR	Dinsmores, CA USA	
DRDG	Dodge Ridge, Pinecrest, CA USA	
DRYC	Dry Creek Basin, Modoc National Forest, Alturas, CA USA	
EAGL	Eagle Lake Youth Camp, Lassen County, CA USA	
ETSL	Etsel Ridge	
HULI	Fort Hunter Liggett, Jolon, California	
FJIM	Fort Jim, California USA	
FORD	Fort Ord Natural Reserve, California	
GALB	Galbreath Wildlands Preserve SSU	
LGMB	Garner Mountain, Tennant, CA USA	
GIRA	Gill Ranch, Sloughhouse, USA	
WINE	Golden State Vinters, Fresno, CA USA	
GHOP	Grasshopper Mountain, Humboldt Redwoods SP, CA	
GRPK	Grizzly Peak, McCloud, CA USA	
GUMB	Gumboot Lake, Dunsmuir, CA USA	
HALS	Hales Grove, CA	
HAPY	Happy Camp Mtn, Modoc National Forest, Modoc City CA USA	
HRCH	Hirsch Vineyards	
HULL	Hull Mountain near Rice Fork, CA USA	
IMPE	Imperial	
INGLE	Inglenook, Smith Ridge	
TULE	Intermountain REC, Tulelake, California	
JEPS	Jepson Natural Reserve, California	
JEWT	Jewett Creek	
JUEM	Julian Eagle Mine	
KARE	Kearney REC, California	
KETL	Kettleman Hills	
KNEE	Kneeland, California	
KRUG	Krueger Creek	
LEGD	La Grand CA	
BRIT	Lake Britton	
LAKN	Lakin, McCloud, CA USA	
LAND	Landels Hill-Big Creek Natural Reserve, California	
LCUV	Le Cuvier	
LEMR	Lemoore	
LCOW	Little Low Creek, Bella Vista, CA USA	
LITV	Little Valley, CA USA	
MZTA	Manzanita Lookout, Modoc National Forest, Adin CA USA	
MATG	Mataguay Scout Camp, California	
MERC	Merced, CA USA	
MMIB	Miami Mountain, Ahwahnee, CA USA	
MILL	Mill Creek, Del Norte Coast Redwoods State Park, CA USA	
MLKN	Milliken Reservoir	
MTRP	Mission Trails Regional Park	
MOGU	Montague, CA	
MNLT	Moonlight Peak	
MTOS	Mt Oso, Westley, California	
SOLD	Mt. Soledad, San Diego	
OAKV	Oakville Experimental Vineyard	
ORRS	Orr Springs	
OLP	Otay Lakes Park	
BABI	Panoche/Babies Gulch CA	
PATT	Patterson Mountain	
PWOD	Pepperwood Preserve	
PESC	Pescadero	
WLKR	Petrolia	
PETL	Petrolia	
AZUL	Piedra Azul, Merced County	
PABC	Pismo Preserve, Pismo Beach, CA USA	
PIT6	Pit6, Burney, CA USA	
PVSP	Pleasant Valley State Prison	
PINL	Point Pinole Regional Park (East Bay Regional Park) California	
PORC	Porcupine Ridge, Modoc National Forest, Alturas, CA USA	
PORG	Portuguese Creek	
QRDG	Quail Ridge Natural Reserve, California	
RBOW	Rainbow Ridge, Petrolia, CA USA	
RAVE	Ravendale, CA USA	
RIMR	Rimrock Valley Reservoir, Modoc National Forest, Mulkey Place CA USA	
ROMB	Rominger Brothers Farms, Citrona, CA USA	
RVIT	Round Valley Indian Tribe	
RUSS	Russell Ranch	
SAGE	Sage Hen Hill, Round Mountain, CA USA	
WUNP	San Ardo, CA	
SANG	Sanger Peak, Six Rivers National Forest, Patrick Creek, CA USA	
SBAR	Scott Bar, CA USA	
SEIA	Seiad Valley, CA USA	
SHWD	Sherwood Rancheria, Willits, CA	
SFRE	Sierra Foothill REC, California	
SIFF	Sifford Mountain, Drakesbad, CA USA	
SIGP	Signal Peak, CA USA	
SKGS	Skaggs Springs	
SLH	Sleepy Hollow	
CPE1	Sorrento Valley	
SPAN	Spanish Creek, Manchester, California, USA	
SPRL	Sproul Creek	
SUGR	Sugar Pine Mountain, Hoopa, California	
BKSVL	Sunnyvale, CA	
SU2	Superstition Mountain	
SWNM	Swain Mountain	
THOM	Thompson Peak, Cecilville, CA USA	
LTIB	Timbered Crater, Pondosa, CA USA	
TOLH	Tollhouse, CA USA	
GTSB	Trough Springs near Fouts Spring, CA USA	
TUMY	Tumey Hills	
TWIT	Twitchell Island	
UKAN	Ukanom Mountain, Happy Camp, CA USA	
UKON	Ukonom Mountain	
USAL	Usal Redwood Forest, Leggett, California	
AONC	Vina, CA USA	
WEAV	Weaverville	
WEBR	Weber Reservoir	
WELL	Weller Preserve, CA USA	
WHMT	West Haight Mtn., Tennant, CA USA	
WHCL	West Hills College	
WEMD	Westmorland, California	
WSRE	Westside REC, California	

Code	*Station Name*	*Other*
WROK	Whale Rock Reservoir, CA USA	
MNDO	Woodland Fire Station, Mendocino	
YUH2	Yuha Desert	
Campeche		
LADR	Batey Laura esc	
Canada		
Alberta		
ATHA	Athabasca	
BDMTA	Bald Mountain Lookout Tower, Alberta	
BAN	Banff	
DCA2	Baytree	
BRGNA	Bergen	
BRLDA	Berland Lookout Tower, Alberta	
DCA1	Bonanza	
CLM	Coleman	
DCA3	Cotillion Park	
EDM	Edmonton	
ELD	Ethyl Lake Duckett	
FSMA	Fort Smith	
HILA	High Level	
HSPGA	Hill Springs, Alberta	
JP-AT	Jasper	
JP-	Jasper	JP-AT
KV-	Keg River	KV-AT
KV-AT	Keg River	
LGPLA	Lodgepole	
MANA	Manning	
MEDA	Medicine Hat	
MKRVA	Milk River, Alberta	
PRDA	Priddis	
RAYA	Raymond Alberta	
RDEA	Red Earth Creek	
STPRA	Salt Prairie Lookout Tower, Alberta	
SES	Suffield	
SWHSA	Sweathouse Lookout Tower, Alberta	
TMDA	Turtle Mountain	
WAPA	Wapiti River	
WALA	Waterton Lakes	
WS-	Waterways	WS-AT
WS-AT	Waterways	
WTMTA	White Mountain Lookout Tower, Alberta	
ORGA		
British Columbia		
HM-BC	100 Mile House	
ALB	Alberni	
ALRB	Anaheim Lake	
ANMB	Anmore	
A07A	Ashnola River, Keremeos	
P32M	Atlin	
ATLB	Atluck Lake	
ATC	Attachie	
BFSB	Bamfield	
B928	Bamfield	
BMSB	Bamfield Marine Station	
BNKB	Banks Island	
BPCB	Bare Point	
NCBC	Barkley Canyon	
BAIB	Barry Inlet	
BNB	Barry Inlet	
BCOV	Beaver Cove	
BBB	Bella Bella	
BCBC	Bella Coola	
BDBC	Bennett Dam	
BLBC	Blue River	
WGB	Blue River	
T35M	Bob Quinn	
BQB	Bob Quinn Lake	
BNAB	Bonilla	
BIB	Bowen Island	
BPEB	Brooks Peninsula	
BPBC	Brooks Peninsula	
BMTB	Bullhead Mountain	
BMBC	Bull Mountain	
BUTB	Butedale	
BTB	Buttle Lake	
CK-	Cache Creek	CK-BC
CK-BC	Cache Creek	
CLSB	Cack Lake	
CBB	Campbell River	
SJB	Cape Saint James	
STJA	Cape St.James	
CPLB	Carmanah Point Lighthouse	
AHCB	Chemainus	
CTC	Chetwynd	
A06A	Chilliwack	
CLVB	Cleveland Dam	
COQB	Coquitlam Dam	
CLRS	Cowichan Lake Research St	
CWB	Cumshewa	
CCC	Cusp Creek	
DAWS	Dawson Inlet	
DI2B	Dawson Inlet	
DIB	Dawson Inlet, BC	
H02S1	DAWSON INLET T-PHASE SITE S1	
H02S2	DAWSON INLET T-PHASE SITE S2	
DLBC	Dease Lake	
DLB	Dease Lake	
DPRB	Downie Pk Ridge	
DOWB	Downie Slide	
EDB	Eliza Dome	
ENGB	English Bluff	
ETB	Estevan Point	
ETPB	Estevan Point	
FHRB	Fair Harbour	
FHBB	Fair Harbour	
FRC	Federal Ranch	
FRN	Fernie	
FNC	Finlay Fork	
FLLB	Fletcher Lake Big Creek, BC	
FKBC	Forrest Kerr	
FT-	Fort McLeod	FT-BC
FT-BC	Fort McLeod	
FNBC	Fort Nelson	
FL-BC	Fort Nelson	
FL-	Fort Nelson	FL-BC
FNBB	Fort Nelson	
FNSB	Fort Nelson	
FSJ	Fort Saint James	
FSB	Fort Saint James	
FSJB	Fort St James	
FCBC	Franklin Camp	
GOB	Galiano Island	
GOBB	Galiano Island	
GDR	Gold River	
GSTB	Goldstream Park	
VGZ	Gonzales	
GOWB	Gowlland Point	
GRNB	Grenville Island	
GRIB	Gribbell Island, BC, CAN	
HAKB	Hakai Institute, Calvert Island	
HNB	Haney	
HYC	Haney	
HNYB	Haney	
HNBB	Haney	
HLSB	Harrison Lake South	
HRMB	Harrison Mills	
HWKB	Hawksbury Island	
HBDB	Hayseed and Buckwheat Dairy Farm	
HOLB	Holberg	
HOPB	Hope	
HBC	Horseshoe Bay	
HG3B	Hotspring	
HG4B	Hotspring	
HM-	Hundred Mile H.	HM-BC
JEDB	Jedway, Haida Gwaii	
R33M	Jennings River	
JRBB	Jordan River	
KANO	Kano Inlet	
KELB	Kelsey	
KBB	Kelsey Bay	
KLNB	Kelsey New	
KITB	Kitimat	
LIB	Langara Island	
LR9	Liard River	
LIRD	Liard River Highway Maintenance Camp	
LLLB	Lillooet	
LLL	Lillooet	
MABC	Malibu	
SHDB	Maple Bay	
MASB	Masset	
MSTB	Masset	
MAYB	Maynard	
MGCB	McGee Creek	
ME-BC	Merritt	
ME-	Merritt	ME-BC
B926	Mesachie Lake	
MCE	Mica Creek	
MCC	Mica Creek	
MCMB1	Michelle Canyon Maxwell	
MBLB	Minette Bay Lodge, Kitimat, BC, Canada	
HG1B	Mitchell Dam	
HDG10	Mitchell Dam	
MOBC2	Moresby, Haida Gwaii	
MOBC	Moresby Island	
MNB	Mounoet Dainard	
FALL	Mountain Creek	
MGMB	Mountain Meager	
CARB	Mount Cartier	
MGRB	Mount Grey	
MGB	Mount Grey	
LZB	Mount Lazard	
OZB	Mount Ozzard	
THOB	Mount Thompson	
MWAB	Mount Washington	
MUB	Muncho Lake	
MYRA	Myra Falls	
NDB	Naden	
Q32M	Nakina River	
NAB	Nanaimo	
NLLB	Nanaimo Lost Lake,BC	
GHNB	Nanoose	
NCEN	NEPTUNE Canada Endeavour node	
KEBB	NEPTUNE Canada Endeavour West	
NCHR	NEPTUNE Canada High Rise	
KEMF	NEPTUNE Canada Main Field	
KEMO	NEPTUNE Canada Mothra	
NCSB	Newcastle Ridge	
NCRB	Newcastle Ridge	
NTKA	Nootka	
NBC1	NorthernBC 1	
NBC2	NorthernBC 2	
NBC3	NorthernBC 3	
NBC4	NorthernBC 4	
NBC5	NorthernBC 5	
NBC6	NorthernBC 6	
B010	North Saanich	
B009	North Saanich	
B011	North Saanich	
OFB	Ocean Falls	
NC27	ODP1027	
NC89	ODP889	
PA01	PA01 North	
PA02	PA02 Ocean	
PA03	PA03 Flamable	
PA04	PA04 Cage	
PA05	PA05 Willingdon	
PA12	PA12 Sannich	
SHVB	Paradis Home	
HGPB	Parks Canada Compound	
PMB	Pemberton	
PIB	Pender Island	
PNT	Penticton	
PPC	Pine Pass	
PIMB	Pitt Meadows	
PLBC	Pleasant Camp	
PABB	Port Alberni	
B927	Port Alberni	
PACB	Port Alice, BC	
PCLB	Port Clements	
PCB	Port Clements	
PHC	Port Hardy	
PTRF	Port Renfrew	
PFB	Port Renfrew	
PG2BC	Prince George	
PG-	Prince George	PG-BC
PG-BC	Prince George	
RUB	Prince Rupert	
RUBB	Prince Rupert	
PD-	Princeton	PD-BC
PD-BC	Princeton	
QCC	Queen Charlotte	
QEPB	Queen Elizabeth Park	
QN-	Quesnel	QN-BC
QN-BC	Quesnel	
SLEB	Sale Mountain	
SSIB	Saltspring Island	
SSQ	Sandspit	
SNB	Saturna Island	
SHB	Sechelt	
SHPB	Sharp Point	
CLAP	Shields Creek	
PGC	Sidney	
SILB	Sidney Island	
HGSB	Sid's House	
SKB	Skidegate	
SI-BC	Smithers	
SI-	Smithers	SI-BC
SOKB	Sooke	
SPLB	Strathcona Park Lodge	
SURV	Survey Creek	
SYMB	Survey Mountain	
TABB	Tabernacle Mountain	
TAHB	Tahsis	
TSUB	Tasu	
TSB	Tasu	
TALB	Tatla Lake BC	
TLCB	Telegraph Cove	
S34M	Telegraph Creek	
TCBC	Telegraph Creek	
TFRB	Telus,Franklin R.	
TXDB	Texada	
TXB	Texada	
THMB	Thunder Mountain BC	
TWBB	Timber West Blakeney	
TWGB	Timber West Granite	
TWKB	Timber West Koksilah	
TSJB	Timber West San Juan	
TOAD	Toad River Community Hall	
TOFB	Tofino	
B012	Ucluelet	
EPMB	Univ. Columbia	
UBRB	Upper Baezaeko River	
SULB	Vanderhoof	
VIB	Van Inlet	
H02N1	VAN INLET T-PHASE SITE N1	
VDB	Vedder Mountain	
VDEB	Vedder Mountain	
VIC	Victoria	
KHVB	Wang Home	
WPB	Watts Point	
WSLR	Whistler	
WHB	Whistler	
WTRB	White River	
WKB	White Rock	
WK-	Williams Lake	WK-BC
WK-BC	Williams Lake	
WCBC	Windy Craggy	
P29M	Windy Craggy	
WOSB	Woss	
QURY	Yakoun River	
PHYB	Yellowpoint	
YOUB	Youbou, Lake Cowichan	
Gulf of St. Lawrence		
MADG	Magdalen Islands	
NATG	Natashquan Quebec	
Manitoba		
CH-	Churchill	CH-MT
CH-MT	Churchill	
EB-MT	East Braintree	
EB-	East Braintree	EB-MT
FCC	Fort Churchill	
ULM	Lac du Bonnet	
I10CA	LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	
PWM	Pinawa	
New Brunswick		
BATG	Bathurst New Brunswick	
BOIN	Boiestown	
LMN	Caledonia Mountain	
ER218	Early Rise 218	
ER219	Early Rise 219	
ER220	Early Rise 220	
ER221	Early Rise 221	
ER222	Early Rise 222	
ER223	Early Rise 223	
ER224	Early Rise 224	
ER225	Early Rise 225	
ER226	Early Rise 226	
ER227	Early Rise 227	
ER228	Early Rise 228	
ER229	Early Rise 229	
ER230	Early Rise 230	
EBN	Edmundston	
EDMN	Edmundston, New Brunswick	
ELNB	Elgin, New Brunswick	
HANN	Hanwell	
HKNB	Havelock Quarry	
HSNB	Heath Steele Mine	
MCA2	McAdam 2	
MCA3	McAdam 3	
MCA4	McAdam 4	
KLN	McKendrick Lake	
MINB	Miramichi	
GGN	Saint George	
SRNB	Snider Mountain Ranch	
SVNB	Stilesville Quarry	
UNB	University of New Brunswick	
WCNB	Wards Creek	
Newfoundland		
CODG	Codroy Newfoundland	
CBK	Corner Brook	
DRLN	Deer Lake	
MKVL	Makkovik	
NANL	Nain	
NWRL	North West River	
PKN	Parkers Pond	
SJNN	Saint John's	
STJ	Saint John's	
STJN	Saint John's	
WBHL	Wabush	
WABN	Wabush	
Northwest Territories		
ACKN	Achilles Lake	
ALE	Alert	
AP3N	Apex site 3 Nunavut	
BLC	Baker Lake	
BOXN	Box Lake	
CBAR	Cambridge Bay Array Beam Reference Point	
CB01	Cambridge Bay Array Site 1	
CB11	Cambridge Bay Array Site 11	
CB12	Cambridge Bay Array Site 12	
CB13	Cambridge Bay Array Site 13	
CB14	Cambridge Bay Array Site 14	
CB15	Cambridge Bay Array Site 15	
CB16	Cambridge Bay Array Site 16	
CB17	Cambridge Bay Array Site 17	
CB18	Cambridge Bay Array Site 18	
CB19	Cambridge Bay Array Site 19	
CB02	Cambridge Bay Array Site 2	
CB03	Cambridge Bay Array Site 3	
CB31	Cambridge Bay Array Site 31	CBAR
CB32	Cambridge Bay Array Site 32	
CB33	Cambridge Bay Array Site 33	
CB34	Cambridge Bay Array Site 34	
CB35	Cambridge Bay Array Site 35	
CB04	Cambridge Bay Array Site 4	
CB05	Cambridge Bay Array Site 5	
CB06	Cambridge Bay Array Site 6	
CB07	Cambridge Bay Array Site 7	
CB08	Cambridge Bay Array Site 8	
CB09	Cambridge Bay Array Site 9	
CAMN	Camsell Lake	
CDKN	Chidliak Camp Nunavut	
CLVN	Colville Lake	
COWN	Contwyoto Lake 2	
COKN	Cook Lake	
CMC	Coppermine	
CMBN	Cumberland Camp Nunavut	
DHRN	Dharma Camp	
DVKN	Diavik Mine	
DSMN	Discovery Mine	
EDZN	EDZO	
EKTN	Ekati Mine	
FST1	Fort Simpson	
FST	Fort Simpson	
FBN	Frobisher Bay	FRB
FRB	Frobisher Bay	
FBC	Frobisher Bay	
GDLN	Gardenia Lake, NWT	
GIFN	Gifford Fjord, Baffin Island, Nunavut	
GLWN	Glow Worm Lake	
GBLN	Grizzly Bear Lake	
HPLN	Hepburn Lake, NWT	
HFRN	Hoarfrost River	
HMNT	Holman	
IGL	Igloolik	
IGLN	Igloolik	
ILON	Igloolik, Nunavut	
IHLN	Indian Hill Lake	
INK	Inuvik	
JERN	Jeri Cho Mine, NWT	
KNDN	Kennady Lake	
KUKN	Kugluktuk,NWT	
LDGN	Lac de Gras North	
LGSN	Lac de Gras South	
LAIN	Lailor River, Nunavut	
LDBN	Lake De Bois	
LUPN	Lupin Mine	
MCKN	MacKay Lake North	
MGTN	Margaret Lake	
MLON	Marlo Lake	
MRYN	Mary River	
NP-NT	Mould Bay	
MBC	Mould Bay	
YKAB1	New Yellowknife Blue 1	
YKAB0	New Yellowknife Blue 10	
YKAB2	New Yellowknife Blue 2	
YKAB3	New Yellowknife Blue 3	
YKAB4	New Yellowknife Blue 4	
YKAB6	New Yellowknife Blue 6	
YKAB7	New Yellowknife Blue 7	
YKAB8	New Yellowknife Blue 8	
YKAB9	New Yellowknife Blue 9	
YKAR1	New YK Array red 1	
YKAR2	New YK Array red 2	
YKAR3	New YK Array red 3	
YKAR4	New YK Array red 4	
YKAR5	New YK Array red 5	
YKAR6	New YK Array red 6	
YKAR7	New YK Array red 7	
YKAR8	New YK Array red 8	
YKAR9	New YK Array red 9	
NPT	Nicholson Point	
NODN	Nodinka Narrows	
NOWN	Norman Wells, NWT	
NP-	North Pole	NP-NT
QILN	Qililugaq Exploration Camp	
YRTN	Rankin Inlet	
RES	Resolute Bay	
ROMN	Roman Lake	
SWT	Sachs Harbour	
SXT	Sachs Harbour	
SNLN	Sandy Lake, NWT	
SRLN	Sarcpa Lake, Nunavut	
SMPN	Simpson Lake	
SNPN	Snap Lake	
F31M	Tsiigehtchic	

Code	Station Name	Other
TUK	Tuktoyaktuk	
TKT	Tuktoyaktuk	
WAGN	Wager Bay	
WHFN	White Fish Lake	
YMBN	Yamba Lake	
YNEN	Yamba Lake Northeast	
YKC	Yellowknife	
RSNT	Yellowknife	
YKR8	Yellowknife Ar.	YKB5
YKR0	Yellowknife Array	
YKA	Yellowknife Array Beam Reference Point	
YKB0	Yellowknife Array Site B0	
YKB1	Yellowknife Array Site B1	
YKB2	Yellowknife Array Site B2	
YKB3	Yellowknife Array Site B3	
YKB4	Yellowknife Array Site B4	
YKB6	Yellowknife Array Site B6	
YKB7	Yellowknife Array Site B7	
YKB8	Yellowknife Array Site B8	
YKB9	Yellowknife Array Site B9	
YKR1	Yellowknife Array Site R1	
YKR2	Yellowknife Array Site R2	
YKR3	Yellowknife Array Site R3	
YKR4	Yellowknife Array Site R4	
YKR5	Yellowknife Array Site R5	
YKR6	Yellowknife Array Site R6	
YKR7	Yellowknife Array Site R7	
YKR9	Yellowknife Array Site R9	
YKB5	Yellowknife Array Sites B5 and R8	
YKW1	Yellowknife Array Site W1	
YKW2	Yellowknife Array Site W2	
YKW3	Yellowknife Array Site W3	
YKW4	Yellowknife Array site W4	
NorthWest Territories		
C36M	Paulatuk	
A36M	Sachs Harbour	
Nova Scotia		
CHEG	Cheticamp, Nova Scotia	
ER231	Early Rise 231	
ER232	Early Rise 232	
ER234	Early Rise 234	
ER235	Early Rise 235	
ER236	Early Rise 236	
ER237	Early Rise 237	
ER238	Early Rise 238	
ER239	Early Rise 239	
ER241	Early Rise 241	
ER242	Early Rise 242	
GBN	Guysborough	
HAL	Halifax	
MALG	Malagash, Nova Scotia	
SABG	Sable island	
Nunavut		
ARVN	Arviat, NU	
B1NU	Baffin Island 1	
B2NU	Baffin Island 2	
BLKN	Baker Lake	
YBKN	Baker Lake, Hudson Bay	
BULN	Bullion Camp, Hudson Bay	
CLRN	Clyde River	
EUNU	Eureka	
SEDN	First Sedna Site,Hudson Bay	
GFNU	Grise Fiord	
KUGN	Kugaaruk Camp, Nunavut	
MCMN	McManaman Lake, Nunavut	
NUNN	Nunuq Camp, NU	
PINU	Pond Inlet	
JOSN	Second Sedna Site,Hudson Bay	
SMLN	Simpson Lake, Nunavut	
STLN	Stellar Camp, Hudson Bay	
SBNU	Taloyoak	
Ontario		
OT001	1031 Sheenboro Crescent, Ottawa	
OT002	1514 Bourcier, Ottawa	
OT004	16, Winslow Court, Ottawa	
OT008	2758 Massicotte Lane, Ottawa	
OT012	7 Observatory Cres., Ottawa	
OT006	959, Brant, Ottawa	
ACTO	Acton	
AFO2	Alfred	
ALFO	Alfred	
AFO1	Alfred	
ALGO	Algonquin Park	
F51A	Arnstein	
BASO	Ashfield	
ATKO	Atikokan Iron Mine	
BANO	Bancroft	
D49A	Beulah Township	
OTBB	Blackburn lab bldg12	
H53A	Bobcaygeon	
BRPO	Bonnechere River Park	
BRCO	Bruce Peninsula	
BUKO	Buck Lake	
BUO	Burlington	
RD01	Burlington	
G55A	Calabogie	
OTNM	Canadian Museum of Nature	
CLPO	Centennial Lake Park	
CKO	Chalk River	
CRLO	Chalk River	
CHRO	Chalk River	
D47A	Chapleau	
CFO	Chats Falls	
CLWO	Collingwood	
SSNO	Creighton Mine,Sudbury	
DSNO	Creighton Mine,Sudbury	
DAN	Dane	
DREO	Darlington East Ontario	
DRWO	Darlington West	
DLA	Delaware (Ont)	
DELO	Deloro Mine	
KB5O	Diamondview Rd.	
KB4O	Donald B. Munro Dr,	
DVO	Downsview	
ER101	Early Rise 101	
ER102	Early Rise 102	
ER103	Early Rise 103	
ER104	Early Rise 104	
ER105	Early Rise 105	
ER106	Early Rise 106	
ER107	Early Rise 107	
ER108	Early Rise 108	
EFO	Effingham	
EEO	Eldee	
H56A	Elgin	
ELF	Elginfield	
ELFO	Elginfield	
ELLO	Elliot Lake	
ELGO	Elora Gorge	
ES-	Espanola	ES-ON
ES-ON	Espanola	
F48A	Evansville	
EPLO	Experimental Lakes	
FHO	Fitzroy Harbor	
I55A	Frankford	
E51A	G1948 Merrick Township	
D50A	G1974 Best Township, ON	
GTO	Geraldton	
OTGH	Glebe high school	
KB3O	Grant Side Rd.	
HGVO	Hagersville	
HSMO	Haileybury School of Mines	
G53A	Haliburton	
HML	Hamilton	
HUO	Hudson	
K51A	Iona Station	
E47A	Iron Bridge	
KB2O	John Shaw Road	
KB6O	John Shaw Road, remote	
KAPO	Kapuskasing	
KAO	Kapuskasing	
KASO	Kasabonika Lake, First Nations Ontario	
KLBO	Killbear Provincial Park	
KGNO	Kingston	
L50A	Kingsville	
KLO	Kirkland Lake	
KLC	Kirkland Lake	
KILO	Kirkland Lake	
I53A	Kortright Cn Earth Rangers Ctr, Woodbridge	
LDIO	Lac des Isle Mine	
LHC	Lakehead University	
G54A	Lake Saint Peter	
LINO	Lindsay	
I51A	Listowel	
E48A	Lockeyer	
LDN	London (Ont)	
LND	London (Ont)	
MADO	Madoc	
E52A	Mattawa	
MW-ON	Mattawa	
MW-	Mattawa	MW-ON
MALO	McAlpine Lake	
BMRO	Meriville Lake	
MSNO	Moosonee Ontario	
RD03	Mount Hope	
MPPO	Murphy's Point	
MUMO	Musselwhite Mine	
NANO	Nakina Ontario	
NSKO	Neskantaga (Lansdowne House)First Nations Ontario	
G57A	Newington	
OTWM	No. 579 Westminster Ave.	
ORHO	Orleans, Heritage Park	
ORIO	Orleans, Innes Road, Ontario	
OT011	OT011	
OTT	Ottawa	
OTRO	Otter Rapids	
J52A	Paris	
D48A	Paudash Township	
PLIO	Pelee Island, Stone Alvar Conservation Area	
PEMO	Pembroke	
PKRO	Pickering	
PKLO	Pickle Lake	
PLVO	Plevna	
PTCO	Port Colborne	
PECO	Prince Edward County	
PNPO	Pukaskwa National Park	
RDLO	Red Lake	
RK-	Red Lake	RK-ON
RK-ON	Red Lake	
RSON	Red Lake	
RLKO	Red Lake	
RSPO	Restoule Provincial Park	
KB1O	Rock site, Kinburn Side Road	
SADO	Sadowa	
STCO	Saint Catharines	
F49A	Sandfield	
SL-ON	Sault Sainte Marie	
SL-	Sault Ste Marie	SL-ON
D46A	Sault St. Marie	
SCB	Scarborough	
I52A	Shelburne	
SXO	Sioux Lookout	
SOO	Sioux Lookout	
SOLO	Sioux Lookout	
DRCO	St. Marys Cement	
RD04	Stoney Creek	
SUBO	Sudbury	
SWXO	Sudbury	
SWO	Sudbury	
SUO	Sudbury	
SZO	Sudbury	
SUD	Sudbury	
SUNO	Sudbury Onaping	
F52A	Sundridge	
SILO	Sutton Inlier	
TBO	Thunder Bay	
K52A	Tillsonburg	
TIMO	Timmins Ontario	
TOBO	Tobermory, Bruce Peninsula National Park	
TNT	Toronto	
TORO	Toronto--Leslie Street Spit	
H55A	Tweed	
TYNO	Tyneside	
UWOO	University of Western Ontario	
VIMO	Victor Mine	
E50A	Wahnapitae	
BWLO	Walkerton	
RD02	Waterdown	
WEO	Welcome	
WLVO	Wesleyville	
WBO	Williamsburg	
WNR	Windsor	
H52A	Wyevale	
Prince Edward Island		
HC1P	summerside station 1	
HC2P	summerside station 2	
HC3P	summerside station 3	
HC4P	summerside station 4	
TIGG	Tignish, PEI	
Quebec		
AKVQ	Akulivik	
YOSQ	Ashton Mining of Canada property	
CNQ	Baie Comeau	
BJBQ	Baie Johan-Beetz	
BLBQ	Baie-St-Paul	
BSPQ	Baie-St-Paul	
BECQ	Becancour	
BELQ	Belleterre	
BCLQ	Boischatel	
BU-QB	Buckingham	
BU-	Buckingham	BU-QB
CBRQ	Cabonga Reservoir	
CACQ	Cacouna	
CHQ	Charlesbourg	
D58A	Chemin du LacGrosbois, Trois-Rives	
E57A	Chemin Saint Guillaume, Saint Donat	
D57A	Chemin Vers le Barrage, Saint-Michel-Des-Saints	
CHGQ	Chibougamau	
CIQ	Chicoutimi	
CHIQ	Chicoutimi-Nord	
G59A	Clarenceville	
SMQ	Clarke City	
DMCQ	Dolbeau-Mistassini	
E53A	Dumoine, Pontiac MRC	
ER109	Early Rise 109	
ER110	Early Rise 110	
ER111	Early Rise 111	
ER112	Early Rise 112	
ER113	Early Rise 113	
ER114	Early Rise 114	
ER115	Early Rise 115	
ER116	Early Rise 116	
ER117	Early Rise 117	
ER118	Early Rise 118	
ER119	Early Rise 119	
ER120	Early Rise 120	
ER201	Early Rise 201	
ER202	Early Rise 202	
ER203	Early Rise 203	
ER204	Early Rise 204	
ER205	Early Rise 205	
ER207	Early Rise 207	
ER208	Early Rise 208	
ER209	Early Rise 209	
ER210	Early Rise 210	
ER211	Early Rise 211	
ER212	Early Rise 212	
ER213	Early Rise 213	
ER215	Early Rise 215	
ER216	Early Rise 216	
ER217	Early Rise 217	
GASG	Gaspe, Quebec	
LNGQ	Gaz Metro	
GNT	Gentilly	
GAC	Glen Almond	
GRQ	Grand Remous	
GWR	Great Whale R.	PBQ
GWC	Great Whale River	
GSQ	Grosses Roches	
F57A	Harrington	
HTQ	Hauterive	
HMC	Holland Mills	
INUQ	Inukjuak	
IVKQ	Ivujivik	
KAJQ	Kangiqsualujjuaq	
KNGQ	Kangiqsujuaq	
KRSQ	Kangirsuk	
MLQ1	Kipawa	
KIPQ	Kipawa,Quebec	
KJKQ	Kuujjuarapik	
KUQ	Kuujjuuaa	
E54A	Lac Daplat, Pontiac, MRC	
LDAQ	Lac Daran	
DAQ	Lac Daran	
DHLQ	Lac-des-Plages	
E61A	Lac Etchemin	
D54A	Lac Fusel, La Vallee-de-La-Gatineau	
LSQ1	Lac Sinclair, Quebec	
D53A	Lac Vacive, Pontiac, Mrc	
LBQ	La Grande	
LGQ	La Grande	
LAQ	La Grande	
LDQ	La Grande	
LCQ	La Grande	
LTQ	La Grande	
LRQ	La Grande 3	
LXQ	La Grande 3	
JBQ	La Grande 3	
JCQ	La Grande 3	
JAQ	La Grande 3	
LQQ	La Grande 4	
KBQ	La Grande 4	
KAQ	La Grande 4	
LG4Q	La Grande 4	
KCQ	La Grande 4	
LMQ	La Malbaie	
LMBQ	La Malbaie	
POC	La Pocatiere	
LPQ	La Pocatiere	
LRQ1	La Romaine 2 Dam	
LRQ2	La Romaine 2 Dam Dyke F2,	
LATQ	La Tuque	
E58A	La Victoria	
LSQQ	Lebel-sur-Quevillon	
D51A	Lot 18 Range III Mazenod Township	
MNQ	Manicouagan	
MIQ	Maniwaki	
G60A	Masonville	
MATQ	Matagami	
MRBQ	Mirabel	
A54	Misere	
E55A	Montcerf-Lytton	
MOQ	Mont Orford	
MNT	Montreal	
MNTQ	Montreal, Quebec	
TRQ	Mont Tremblant	
MRNQ	Morin Heights	
MRHQ	Morin Heights	
MGDQ	Mulgrave and Derry, QC.	
NEMQ	Nemaska	
NMSQ	Nemaska Station	
G58A	Ormstown	
F55A	Otter Lake	
ICQ	Pointe Anglais	
PBQ	Poste Baleine	
QCL	Quebec	QBC
QCQ	Quebec	QBC
QBC	Quebec	
RIMQ	Rimouski	
RDLQ	Riviere-du-Loop	
A16	Riviere Ouelle	
ROUQ	Riviere-Ouelle	
A21	Saint Andre	
SADQ	Saint-Augustin-de-Desmaures	
D55A	Sainte-Anne-du-Lac	
SNFQ	Sainte-Felicite	
A61	Sainte Mathilde	
STUQ	Sainte-Ursule	
STFQ	Sainte-Ursule	
F59A	Saint Guilaume	
SHQ	Saint-Hilarion	
DPQ	Saint Jean	
D60A	Saint Jean D'Orleans	
SLQ	Saint Louis du Ha Ha	
D59A	Saint-Raymond	
A11	Saint Roch-des-Aulnaies	
A64	Saint Simeon	
SNQN	Sanikiluaq	
SNKN	Sanikiluaq	
SAKN	Sanikiluaq	
SV2	Schefferville	SV2QB
SV3	Schefferville	SV3QB
SCH	Schefferville	
SV3QB	Schefferville	
SV2QB	Schefferville	
SCHQ	Schefferville	
SFA	Sept-Chutes	
SIC	Sept Iles	
SHF	Shawinigan Falls	
LDSQ	Shawville	
SBQ	Sherbrooke	
SO-	Sorel	SO-QB
SO-QB	Sorel	
SANQ	St-Andre-du-Lac-St-Jean	
D61A	St Aubert, Comte d'Islet	
E60A	Ste Agathe de Lotbiniere,	
SJUQ	Ste-Julie	
SELQ	St-Eleuthere	
F61A	St Evariste	
SGRQ	St-Georges	
G61A	St-Isidore-de-Clifton	
F58A	St-Lin Laurentide	
SLBQ	St-Lucie-de-Beauregard	
SMCQ	St-Marc-des-Carrires	
E59A	St. Maurice	
STOQ	Stoneham	
STPQ	St-Pascal	
E56A	St. Veronique	
TADQ	Tadoussac	
JBBQ	Temiscaming	
MLQ2	Temiscaminque	
TMK	Temiskaming	
VABQ	Val Des Bois	
VDBQ	Val-des-Bois,QC	
VDQ	Val d'Or	
VALQ	Val d'Or	
VLDQ	Val d'Or	
VMC	Ville Marie	
F60A	Warwick	
WEMQ	Wemindji, Quebec	
D56A	ZEC Mazanza, Mont-Saint-Michel	
D52A	ZEK Kipawa Senerzegues Township	
Saskatchewan		
BGUS	Bergheim	
BMS	Big Muddy Lake	
FFC	Flin Flon	
FLAR	Flin Flon Array Beam Reference Point	
FL01	Flin Flon Array Site 1	
FL10	Flin Flon Array Site 10	
FL11	Flin Flon Array Site 11	
FL12	Flin Flon Array Site 12	
FL13	Flin Flon Array Site 13	
FL14	Flin Flon Array Site 14	
FL15	Flin Flon Array Site 15	
FL16	Flin Flon Array Site 16	
FL17	Flin Flon Array Site 17	
FL18	Flin Flon Array Site 18	
FL02	Flin Flon Array Site 2	
FL03	Flin Flon Array Site 3	
FL31	Flin Flon Array Site 31	
FL04	Flin Flon Array Site 4	
FL05	Flin Flon Array Site 5	
FL06	Flin Flon Array Site 6	
FL07	Flin Flon Array Site 7	
FL08	Flin Flon Array Site 8	
FL09	Flin Flon Array Site 9	
SAS	Saskatoon	
St Pierre and Miquelon		
SPR	Saint Pierre	
Yukon		
J29M	Klondike Camp	
J29N	Klondike Camp	
Yukon Territories		
E28M	Babbage River	
F30M	Barrier River	
E29M	Blow River	
J30M	Hart River	
D27M	Malcolm River	
I28M	Miner Creek	
I30M	Mount Dempster	
F28M	Old Crow	
H31M	Peel River	
G29M	Pine Creek	
G31M	Satah River	
D28M	Stokes Point	
H29M	Whitestone	
Yukon Territory		
N30M	Aishikik Lake	

Code	Station Name	Other
K29M	Barlow Dome	
BVCY	Beaver Creek	
N31M	Braeburn, Yukon	
BRWY	Burwash Landing	
BH-	Burwash Landing	BH-YK
BH-YK	Burwash Landing	
CTLN	Castor Lake	
DAWY	Dawson	
DWY	Dawson City	
DLY	Dezadeash Lake	
M31M	Drury Creek, Yukon	
YUK7	Dusty Glacier	
EPYK	Eagle Plains	
FARO	Faro, Yukon	
BEAVL	Fort Liard	
FLDN	Fort Liard	
NBC7	Fort St John	
GALN	Gameti Lake	
YUK5	Granite Creek	
HYT	Haines Junction	
TGTN	Hyland Airport, Yukon	
ILKN	Indian Lake	
KEY	Kluane	
KRY	Koidern River	
KBT	Komakuk Beach	
KOTAN	Kotaneelee Airstrip	
L29M	L29M	
MAYO	Mayo, Yukon	
O30N	Mendenhall	
P30M	Million Dollar Falls	
M30M	Minto, Yukon	
YUK3	Moose Creek	
O29M	Mount Kennedy	
O28M	Mount Upton	
NAHA	Nahanni Butte	
I29M	Ogilvie Camp, Yukon	
YUK6	Outpost Mountain	
N32M	Quiet Lake	
YUK1	Sand Pete Hill	
MMPY	Sheldon Lake, Yukon	
SPY	Shingle Point	
SIY	Silver City	
NBC8	Simpson Ranch	
M29M	Somme Creek	
YUK8	Steele Glacier	
YUK4	Talbot Arm	
G30M	tAoh Zraii Njik	
P33M	Teslin, Yukon	
WL-YK	Watson Lake	
WL-	Watson Lake	WL-YK
WTLY	Watson Lake, Yukon	
WH-YK	Whitehorse	
WH-	Whitehorse	WH-YK
WH2YK	Whitehorse	
WHC	Whitehorse	
WH2*	Whitehorse	WH2YK
WHY	Whitehorse	
YUK2	White River	
WRGLY	Wrigley	
Caribbean Sea		
ASPR	Albergue Olimpico Salinas	
ACPR	Aruba, International School of Aruba	
PSDCN	Capuchin	
FAPR	Fundacion de Amor Ceiba	
MCPR	OMME Coamo	
PSDPM	Pointe Michel	
Chiapas		
CARR	Arriaga	
PATR	El Naranjo	
PAVE	Pavencul	
CHUJ	Union Juarez	
UXUV	UXUV	
Chihuahua		
BCIG	La Boquilla	
Coahuila		
MCIG	Muzquiz	
Colima		
CEGR	Campo Tres	
COIG	Colima	
COMA	Comala	
INCO	Volcan de Colima INCA	
JUBC	Volcan de Colima JUBA	
MNGA	Volcan de Colima MNGR	
Colorado		
SCR21	Archer property, S21	
SCR22	Bayfield, S22	
NCR27	Blu Mesa, N27	
BRIGG	Briggsdale	
NCR11	Carbondale, N11	
SCR27	Case Ranch, S27	
NCR24	Centerville, N24	
SCR01	Coaldale, S01	
NCR14	Collbran, N14	
SCR02	Cotopaxi, S02	
NCR09	Cottonwood Pass, N09	
SCR06	Curtis Ranch, S06	
NCR12	De Beque, N12	
SCR14	Del Norte, S14	
NCR06	Dotsero, N06	
NCR15	Elkhorn Rd, Fairplay, N15	
NCR17	Everett, N17	
SCR18	Fort Garland, S18	
NCR08	Frisco, N08	
NCR21	Gateway, N21	
NCR16	Grand Junction, N16	
SCR23	Grandview, S23	
NCR05	Green Mt Res., N05	
NCR23	Guffey, N23	
NCR28	Gunnison, N28	
HAYD	Hayden	
NCR22	Hotchkiss, N22	
SCR28	La Garita, S28	
SCR08	Lake City, S08	
NCR13	Leadville, N13	
NCR04	McCoy, N04	
NCR03	Meeker Airport, N03	
SCR26	Mesita, S26	
SCR09	Moffat, S09	
SCR04	Montrose, S04	
SCR15	Mosca, S15	
SCR17	North of Durango, S17	
NCR25	Olathe, N25	
SCR05	Ourey, S05	
NCR18	Paonia Res., N18	
NCR26	Parlin, N26	
SCR03	Powderhorn, S03	
NCR10	Rifle, N10	
NCR07	Rio Blanco, N07	
NCR20	Riverside, N20	
SCR10	Saguache, S10	
SCR19	San Juan River Ranch, S19	
SCR25	San Pablo, S25	
NCR29	Sargents, N29	
SCR11	Silverton, S11	
SCR13	South Fork, S13	
NCR19	Spinney Mt Res., N19	
SCR20	Tucker property, S20	
SCR16	Walsenburg, S16	
SCR07	Westcliffe, S07	
SCR12	West of Creede, S12	
SCR24	West of Pagosa Springs, S24	
NCR02	Williams Fork Res., N02	
NCR01	Yampa, N01	
Guerrero		
ATYC	Atoyac	
CRIG	Cruz Grande	
VNTA	La Mica	
DAIG	Los Arroyos	
MGIG	Malinaltepec	
PET2	Petatlan	
Hawaii		
OSNP1	Ocean Seismic Network, Sensor 1	
OSNP2	Ocean Seismic Network, Sensor 2, OSN1B	
OSNP3	Ocean Seismic Network, Sensor 3, OSN1S	
ALOHA	Station ALOHA	
Hidalgo		
DHIG	Demacu	
Illinois		
LOIL	Loyola University of Chicago, IL, USA	
Jalisco		
GDLP	Chapalita	
CDAR	Ciudad de Armeria	
CIHU	Emiliano Zapata	
ESTA	Talpa de Allende	
TOMAT	Tomatlan	
TON2	Tonala	
SOMAC	Volcano de Colima	
YELA	Yelapa	
Manitoba		
STBON	St. Boniface College	
Mexico		
Aguascalientes		
AGX	Aguascalientes	
Baja California		
LAX	Bahia de Los Angeles	
CBX	Cerro Bola	
CPBX	Cerro Prieto	
CHIX	Chihuahua	
DELX	Delta	
ECBX	El Chinero	
EGM	El Golfo de Santa Clara	
EMX	El Mayor	
ZAX	El Zacaton	
ECX	Ensenada	
ENX	Ensenada	
ECNX	Esteban Cantu	
IGM	Isla Guadalupe	
JQX	Jiquilpan	
LPX	La Paz	
LPIG	La Paz	
LAP	La Paz	
RMX	La Rumorosa	
MBIG	Mexicali	
PGX	Piedras Gordas	
PPXB	Puerto Peasco	
PBX	Punta Banda	
RDX	Rancho Dawling	
RSJ	Rancho San Jose	
RII	Riito	
SALX	Saltillo	
SFP	San Felipe	
SFX	San Felipe	
SJX	San Joaquin	
SMX	San Miguel	
SPX	San Pedro Martir	
SRIG	Santa Rosalia	
SRL	Santa Rosalia	
SLBS	Sierra La Laguna	
TKX	Tecate	
UABX	UABC, Campus Mexicali	
VEX	Veracruz	
VCP	Volcan Cerro Prieto	
Campeche		
SCIG	Sabancuy	
Chiapas		
CZC	Chiapa de Corzo	
BJU	Chiapas	
TANM	Chiapas	
PENM	Chiapas	
PORM	Chiapas	
UJZ	Chiapas	
ZZA	Chiapas	
PAY	Chiapas	
LIBM	Chiapas	
ARL	Chiapas	
SIPM	Chiapas	
MARM	Chiapas	
VGP	Chiapas	
CSN	Chicoasen	
CR1	Chicoasen 1	
CR2	Chicoasen 2	
CR3	Chicoasen 3	
CR4	Chicoasen 4	
CR5	Chicoasen 5	
CR6	Chicoasen 6	
CR7	Chicoasen 7	
CCIG	Comitan	
COM	Comitan	
COM2	Comitan 2	
EJC	Estacion Juarez	
IHC	Ixhuatan	
IXC	Ixtacomitan	
JDN	Jardin	
OZC	Ocozocoautla	
OSCM	Ostuacan	
PMM	Presa Malpaso	
PN1	Presa Penitas 1	
PN2	Presa Penitas 2	
PN3	Presa Penitas 3	
PN4	Presa Penitas 4	PORM
SCX	San Cristobal	
SMJM	Simojovel	
TPX	Tapachula	
TLA	Tapachula	
TCX	Tecpatan	
TGBT	Tuxtla Gutierrez	
MUX	Union Juarez	
ZAC	Zacaltic	
TGIG		
PCIG		
THIG		
Chihuahua		
CHH	Chihuahua	
Colima		
COLM	Colima	
CMX	Colima	COLM
H06N	Isla Socorro	
SRR	Isla Socorro	
MNZ	Manzanillo	
H06S1	SOCORRO T	
H06E1	SOCORRO T-PHASE SITE E1	
H06N1	SOCORRO T-PHASE SITE N1	
H06E		
R15V		
H06S		
EZ5V		
Guanajuato		
IGIG	Irapuato, Guanajuato	
LCG	Leon Cerro Gordo	
Guerrero		
ACP2	Acapulco	
ACX	Acapulco	
CDAM	Ciudad Altamirano	
CAIG	El Cayaco	
FLOM	Florida	
LLJ	Guerrero	
CGG	Guerrero	
III	Iguala	
UON	La Union	
LVGX	La Villita	
MEIG	Mezcala	
NUXM	Nuxco	
PPNM	Papanoa	
PPOM	Papayo	
PNIG	Pinotepa	
PLIG	Platanillo	
POGM	Potrero Grande	
CC1	Presa Caracol 1	
CC2	Presa Caracol 2	
CC3	Presa Caracol 3	
CC4	Presa Caracol 4	
CC5	Presa Caracol 5	
PIM	Presa Infiernillo	
ARIG	Puente Sto Nino	
PDEM	Puerto del Eden	
PGOM	Puerto del Gallo	
SJRM	San Jeronimo	
SMAM	San Marcos	
TETM	Tetitlan	
TLIG	Tlapa	
TPG	Tlapa	
HMTT	Tlapaneco	
ZIH	Zihuatanejo	
ZIIG	Zihuatanejo	
ZHGX	Zihuatanejo	
Hidalgo		
TLX	Tulancingo	
Jalisco		
CJM	Chamela	
CGX	Ciudad Guzman	
GUM	Guadalajara	
GUM2	Guadalajara 2	
LNM	Leon	
PUVA	Puert Vallarta	
SFJM	Santa Fe	
UGO	Universidad de Guanajuato	
GDLC		
ACAM	Acambaro	
ATVM	ATLACOMULCO	
PPAX	Atlixo	
QKP	Cucapa	
CULRB	Culiacan, Sinaloa	
CCIP	El Cipres, CIP	
CELM	El Mayor, ELM	
VIG	El Vigia	
CGTO	Guanajuato, GTO	
CNVL	Nueva Leon, NVL	
PPCU	Popocatapetl	
CPTB	Punta Banda, PTB	
CRLP	Rancho las Palomas, RLP	
PBP	San Juan Cuauhtemoc	
CSLP	San Luis Potosi, SLP	
SPMC	San Pedro Martir, SPM	
CSON	Sonora, SON	
TJIG	Tijuana	
TLX2	Tlaxcala 2	
CTLX	Tlaxcala, TLX	
PPCL	Tochimilco	
PPSX	Xalitzintla	
ZUVM	ZUMPANGO	
Mexico D.F.		
IIA	Altzomoni	
AYVM	Ayaqueme	
CRX	Cerrillo	
CGVM	Cerro Gordo	
CHVM	Chichinautzin	
CIVM	Cilcuayo	
CVM	Colonia del Valle	
AZVM	Cuida Lopez Mateos	
DEIG	Demacu	
IIP	El Pino	
IIM	Instituto de Ingenieria, UNAM	
IXT	Ixtapalapa	
JCM	Jocotitlan	
MEX	Mexico City	
OXM	Oxtotitlan	
PBIG	Penon de los Banos, D. F.	
PTVM	Pico Tres Padres	
PBVM	Pinon	
MDVM	Presa Madin	
PNVM	Presa Marin	
RFVM	Rio Frio	
IIC	Rita Coyotepec	
SZVM	Salazar	
SMMM	San Miguel	
TAC	Tacubaya	
VTVM	Tizayuca	
UNM	Universidad Nacional Autonoma de Mexico	
VCVM	Valle de Chalco	
CGIG		
HPIG		
HSIG		
MZVM		
Mexico State		
ACIG	Acambay	
AMVM	AMECAMECA	
MAVM	Malinalco, Edo de Mexico	
TOVM	TOLUCA	
Mexico:State		
IIJ	Jocotitlan	
IIZ	Mezontepec	
Michoacan		
MMIG	Aquila	
CCMX	Caleta Campos	
LAZM	Lazaro Cardenas	
CBZM	Michoacan	
BVTM	Michoacan	
ZEM	Michoacan	
MOIG	Morelia	
MRX	Morelia	
OSM	Ostula	
URUA	Uruapan	
Morelos		
TPM	Tepoztlan	
YAIG	Yautepec	
Nayarit		
ANIG	Ahuacatlan	
IMM	Islas Marias	
Nuevo Leon		
LNIG	Linares	
TMM	Tecnologico de Monterrey	
TMM2	Tecnologico de Monterrey 2	
VNM	Villa de Garcia	
Oaxaca		
CEO	Cerro Encantado	
UTMO	Huajuapan	
HUIG	Huatulco	
CMIG	Matias Romero	
PXO	Oaxaca	
OAX	Oaxaca	
OXX	Oaxaca	
YOO	Oaxaca	
OXBJ	Oaxaca	
LAGM	Oaxaca	
GUO	Oaxaca	
AZO	Oaxaca	
PSM	Palmasola	
PIO	Pinotepa	
PLO	Pochutla	
PBJ	Presa Benito Juarez	
PANG	Puerto Angel	
PEO	Puerto Escondido	
PEX	Puerto Escondido	
TEO	Teotitlan	
TXO	Tlaxiaco	
VDF	Valdeflores	
VMO	Villa Marinero	
VHM	Vista Hermosa	
VHO	Vista Hermosa	
Puebla		
ACP	Acatlan	
CHPM	Chiautla de Tapia	
IISM	Ciudad Serdan	
CUPM	Cuyoaco	
MOPM	Molcaxac	
PPM	Popocatepetl	
PUE	Puebla	
CXP	Puebla	
PHPU	Puebla	
CIPM	Puebla	
IIB	San Bernardino	
SRP	Santa Rosa	
TCPM	Tecamachalco	
TPIG	Tehuacn	
IIT	Tonantzintla	
VGM	Villa Grajales	
Queretaro de Arteaga		
JRQG	Juriquilla Campus	
QUIG	Queretaro	
Sinaloa		
CUL	Culiacan	
MAIG	Mazatlaan	
MZX	Mazatlan	
MAZ	Mazatlan	
TPB	Topolobampo	
Sonora		
CBS	Caborca	
GYM	Guaymas	
GUYB	Guaymas	
LMX	La Mesa Andrade	
RHM	Rio Hardy	
SLX	San Luis Ro Colorado	
SPIG	San Pedro Martir	
EGX	Santa Clara	
Tabasco		
LJS	Tabasco	
Tamaulipas		
TMX	Tampico	
Tlaxcala		
IIO	Organos	
Veracruz		
BUE	Buenavista	
ABR	El Abra	
EVV	El Vigia	
JIL	Jilotepec	
LVVM	Laguna Verde	
LVIG	Laguna Verde	
LJX	Las Lajas	
PZX	Poza Rica	
TUIG	Tuzandepetl	
FARM	Veracruz	
MANM	Veracruz	
VCM	Veracruz	

Code	Station Name	Other
LVMM	Veracruz	
CAMM	Veracruz	
POHV	Veracruz	
LIMM	Veracruz	
Yucatan		
MER	Merida	
TEIG	Tepich	
Zacatecas		
ZAIG	Zacatecas	
Mexico D.F.		
APVM	Azcapotzalco	
SCT2	Benito Juarez	
BJVM	Benito Juarez	
MHVM	Bosque de Chapultepec	
CUIG	Ciudad Universitaria	
CNCY	Coyoacan	
COVM	Coyoacan	
CJVM	Cuajimalpa	
CTVM	Cuauhtemoc	
THVM	De Xico	
GMVM	Gustavo A Madero	
IPVM	Iztapalapa	
INVM	La Marquesa	
MCRU	Las Cruces	
VRVM	Mexico City	
CUP5	Mexico City	
BSTO	Mexico City	
TACY	Mexico City	
PMVM	Nuevo Madin	
RPIG	Rio Verde	
MPVM	San Francisco Tecoxpa	
TLVM	San Miguel Topilejo	
TEJU	Tejupilco	
AOVM	Tlapan	
TXVM	Universitario Texcoco	
XCVM	Xochimilco	
Mexico State		
PBPN	Popocatepetl	
Mexico:State		
PPIG	Popocatepetl	
PBXN	Popocatepetl	
PBM	Tlamacas	
Montana		
BRMT	Bandy Ranch University of Montana	
BMMT	Benchmark Campground	
CLMT	Clear Creek, Montana	
COMT	Copper Creek	
EKMT	Elk Creek	
ESMT	Esmerelda Mountain	
FPMT	Flesher Pass	
GBMT	Granite Butte, Montana	
LGMT	Lincoln, Montana	
NVMT	Lincoln, Montana	
MVMT	Montana Mountain View Ranch	
OGMT	Ogden Mountain	
Nayarit		
TPICX	Tepic	
TEPI	Tepic	
Nevada		
EASTA	EASTA	
EASTB	EASTB	
EASTC	EASTC	
I20M0	I20M0	
I20M6	I20M6	
I20M9	I20M9	
NORA	NORA	
RV157	RV157	
RV196	RV196	
RV339	RV339	
SOUB	SOUB	
SOUC	SOUC	
SW119	SW119	
SW353	SW353	
SW435	SW435	
SW511	SW511	
SW522	SW522	
WESTB	WESTB	
New Brunswick		
EDUN	Edmundston	
MCNB	McAdam	
Newfoundland		
NINL	Nain	
New Mexico		
SCR30	Questa, S30	
SCR29	Ranco del Oso Pardo, S29	
Northwest Territories		
ALRN	CFB Alert, NU	
YKAW1	Yellowknife White 1	
YKAW3	Yellowknife White 3	
Nuevo Leon		
MNIG	Monterrey	
Nunavut		
POIN	Pond Inlet	
Oaxaca		
FTIG	Fresnillo de Trujano	
HLIG	Huajuapan de Leon	
OXIG	Oaxaca	
OXLC	Oaxaca	
PEIG	Puerto Escondido	
NILT	Santiago Niltepec	
TXIG	Tlaxiaco	
TOIG	Toxpalan	
YOIG	Yosondua	
Ohio		
BSPO	Barkcamp State Park Ohio	
BCOH	Blue Creek Ohio	
BGOH	Bowling Green Firelands Ohio	
CHOH	Chagrin River Park	
CPOH	Chaparral Prairie Nature Preserve	
CHWO	Cooper Hollow Wildlife Area	
DSFO	Dean State Forest Ohio	
FOXO	Fox Lake Wildlife Area	
HINO	Hinckley Reservation	
KIOH	Kelleys Island	
KDOH	Killdeer Plains Wildlife Area	
KLSO	Kiser Lake Ohio	
KLOH	Kiser Lake State Park	
LEBO	Lake Erie Bluffs Ohio	
LLSO	Lake La Su An	
MFOH	Malabar Farm State Park	
OHIO	Mendenhall Laboratory, The Ohio State University, Columbus, OH	
MWLO	Mercer Wildlife Area Ohio	
KSTO	New Philadelphia	
SHOE	Ohio Stadium, The Ohio State University, Columbus, OH	
SROH	Shade River State Forest Ohio	
SSF2	Shawnee State Forest 2	
SSFO	Shawnee State Forest Ohio	
SVWO	Spring Valley Wildlife Area	
SLSO	Stonelick State Park	
SSPO	Sycamore State Park Ohio	
VLOH	Vernon-Luthman Wildlife Area	
WODO	Wallace O'Dowd Wildlife Area	
Ontario		
ONN20	Chesterville-ON-UCDSB	
COBO	Cobden	
GTOO	Geraldton	
HWKO	Hawkesbury	
HLIO	Hill Island	
OTAO	Ottawa Anderson Road	
ONN12	Ottawa-Fire-Stn-94	
Puebla		
PBCA	Chalchihuapan	
PPPT	Popocatepetl	
PBCV	Popocatepetl	
THEZ	Tehuacan	
Quebec		
RUEQ	Avenue Ruel MTQ2	
BACQ	Baie-Comeau	
BSCQ	Baie-Sainte-Catherine	
CAPQ	Boul. des Capuccins MTQ1	
BNAQ	Bridge North Anchor Chamber MTQ3	
CALQ	Cantley	
CNOQ	Cote-Nord, Quebec	
DRMQ	Drummondville	
FORQ	Forestville	
GAAQ	Galiote	
GAX1	Gleen Almond Test #1	
GAX2	Gleen Almond Test #2	
BSAQ	le-d'Orlans Bridge South Anchor Chamber	
LESQ	Les-Escoumins	
MORQ	Mont Orford	
PCAQ	Pointe Carleton	
PMAQ	Port Menier	
RIGQ	Rigaud	
RISQ	Rimouski	
SURQ	Ste-Clotilde	
Saskatchewan		
SV2S	Aquistore NE01	
SV1S	Aquistore NE01	
SV5S	Aquistore NE02	
SV3S	Aquistore NW01	
SV4S	Aquistore SE01	
Sinaloa		
CSIG	Choix	
PDIG	Papasquiaro	
SSIG	Sanalona	
TSIG	Topolobambo	
Sonora		
BKIRB	Bahia Kino	
CDOB	Cd. Obregon	
EDOMX	El Doctor, EDO	
EGO	El Golfo de Santa Clara	
NZIG	Nacozari, Sonora	
NE80	Navojoa	
PIX	Pinacate	
PLIB	Puerto Libertad	
PLX	Puerto Libertad	
PLB	Puerto Libertad	
LIBMX	Puerto Libertad, LIB	
ESRMX	Riito, ESR	
RITX	Riito Sonora	
SLRCX	San Luis Rio Colorado	
South Carolina		
TEEBA	Mateeba, Summerville SC	
SUMMV	Summerville Airport, SC, USA	
Tabasco		
VHSA	Villahermosa	
Tamaulipas		
GTIG	Gomez Farias	
Tennessee		
STRT	Eaton	
SDYT	Holly Hill	
ROET	Hopewell	
ACRN	Hopewell, ACRM	
WCMM	Kenton	
RIGT	Kenton	
CTCT	Mason Hall	
ATWT	Mason Hall	
NCHT	Obion	
HATM	Rives	
HNHM	Rives	
LCBT	Rives	
RNEM	Rives	
MOGT	Rives	
RFHT	Rives	
HHCT	Rutherford	
RCET	Spring Hill	
FPTT	Spring Hill	
LDRT	Trimble	
BRGN	Trimble, BRGM	
LEPT	Troy	
FSHN	Troy, FSHM	
PNMM	Union City	
TVLT	Union City	
KMSM	Union City	
WARM	Union City	
PTVN	Union City, PTVM	
PPYK	Woodland Mills	
FLDM	Woodland Mills	
NGDN	Woodland Mills, MGDM	
BOGT	Yorkville	
MTHT	Yorkville	
LNXN	Yorkville, LNXT	
Texas		
PH01	Abilates	
SN08	Arah	
EF74	Calliham	
EF52	Campbellton	
EF58	Charlotte	
EF55	Cheapside	
TPB11	China Draw	
ET01	Chireno	
EF02	Christine	
EF51	Christine	
EF59	Coughran	
TPB16	Coyonosa	
PCOS	Crockett Middle School (Pecos)	
EF67	Cuero	
TPB09	Culberson County	
NM01	Eunice	
PH04	Fire Station 11	
FLRS	Floresville	
EF53	Gillett	
EF63	Gonzales	
TMB06	Greenwood	
EF03	Hobson	
TPB05	Hovey Rd	
EF68	Kenedy	
TMB05	Klondike	
LWM1	Layne Water Midstream 1	
LWM2	Layne Water Midstream 2	
TPB07	Mentone	
TMB01	Midkiff	
EF56	Moulton	
EF54	Nixon	
EF62	Nixon	
EF72	Nordheim	
EF73	North Karnes	
TPB27	North of Pyote	
PH03	Pantex	
EF71	Pawnee	
TPB01	Permian Basin 1	
TPB06	Permian Basin 6	
TPB08	Permian Basin 8	
EF61	Poth	
TMB02	Rankin	
TPB13	Reeves - Culberson Border	
TPB03	Saragosa	
EF65	Schulenburg	
TMB04	Seminole	
TPB10	Southeast of Toyah	
TPB15	Southwest of Coyonosa	
TPB12	Southwest of Toyah	
PH02	Texas Public Hunt System CROSS BAR MGMT. AREA	
EF76	Three Rivers	
EF75	Tulsita	
TPB04	Verhalen	
EF64	Waelder	
TPB19	West of Imperial	
EF69	Whitsett	
EF66	Yoakum	
EF05	Yorktown	
U.S.A		
South Carolina		
PAULI	Pauline	
U.S.A.		
Alabama		
AX-AL	Alexander City	
AX-	Alexander City	AX-AL
AX2	Alexander City	AX2AL
AX2AL	Alexander City	
Z50A	Ashland	
448A	Bay Minette	
Y49A	Blount Mountain	
BRAL	Brewton	
BO-AL	Brewton	
BO-	Brewton	BO-AL
249A	Camden	
Z47A	Carrollton	
HGA	Collinsville	
Z49A	Columbiana	
DLC	Deerlick Creek	
248A	Dixon Mills	
350A	Dozier	
150A	Eclectic	
EMA	Elm	
EU2AL	Eutaw	
EU-	Eutaw	EU-AL
EU2	Eutaw	EU2AL
EU-AL	Eutaw	
FLT	Fleetwood	
FPAL	Fort Paine	
X50B	Fort Payne	
X50A	Fort Payne	
250A	Grady	
148A	Greensboro	
HVA	Hanceville	
X48A	Hartselle	
HLT	Holt	
348A	Jackson	
Y48A	Jasper	
149A	Jones	
BKA	Kennedy	
LRAL	Lakeview Retreat	
LCAL	Lambert Chapel	
LAL	Leola	
147A	Livingston	
LDG	Lodge	
LCA	Log Cabin	
251A	Midway	
MSAL	Mont Sano	
Z48A	Northport	
151A	Opelika	
OCA	Owens Crossroads	
PEA	Pea Ridge	
PTR	Peterson	
PWLA	Pickwick Lake	
PLAL	Pickwick Lake	
Y50A	Piedmont	
351A	Pinckard	
RHA	Reichold	
349A	Repton	
MLAL	Sawyerville	
SHA	Spring Hill	
TDA	Talladega	
TSAL	Tannehill State Park	
Y47A	UCPARC, Winfield	
Alaska		
AD8	Adagdak	
ADA	Adak	
ADK	Adak	
AD-	Adak Island	AD-IS
AD-IS	Adak Island	
AGAM	Agassiz Lake	
AKUT	Akutan	
AKA	Akutan	
AKA1	Akutan 1	AKA
AKA2	Akutan 2	
AKA4	Akutan 4	
AKA5	Akutan 5	
AKBBA	Akutan Broad B.	
AKGG	Akutan Green Grass	
AHB	Akutan Harbor	
AKLV	Akutan Long Valley	
AKMO	Akutan Morgan	
AKRB	Akutan Reef Bight	
HSB	Akutan Spr's Bay	
AKSA	Akutan Strait	
AKV	Akutan Volcano	
ZRO	Akutan Zero	
F21K	Alatna River	
ALC	Alcan	
ACK	Alder Creek	
G21K	Allakaket	
ALAR	ALPA Array Beam Reference Point	
AL31	ALPA Array Site 31	ALAR
AL32	ALPA Array Site 32	
AL33	ALPA Array Site 33	
AL5	ALPA Array Site 35	
AL36	ALPA Array Site 36	
AL37	ALPA Array Site 37	
AMA	Amatignak Island	
AMKA	Amchitka	
AMC*	Amchitka	
AC-IS	Amchitka	
AND	Amchitka	
ANB	Amchitka	
ANA	Amchitka	
AWA	Amchitka	
ASD	Amchitka	
ASC	Amchitka	
ASB	Amchitka	
AEB	Amchitka	ASB
ACA	Amchitka Central A	
ACB	Amchitka Central B	
ACC	Amchitka Central C	
ACD	Amchitka Central D	
ACE	Amchitka Central E	
ACF	Amchitka Central F	
AME	Amchitka East	
E22K	Anaktuvuk Pass	
AMU	Anchorage	
ANI*	Anchorage	ANH
ANH	Anchorage	
ANCK	Angle Creek	
ACHA	Angle Creek Headwaters	
ANI	Aniakchak	
AZAC	Aniakchak	
ANKA	Aniakchak	
ANON	Aniakchak	
ANIA	Aniakchak Crater	
AJAX	Aniakchak Jack	
ANNE	Aniakchak Northeast	
ANNW	Aniakchak Northwest	
ANPK	Aniakchak Peak	
ANPB	Aniakchak Plenty Bear	
H20K	Anotleneega Mountain	
J16K	Anvik River	
ANV	Anvil Mountain	ANM
F14K	Arctic Creek	
E25K	Arctic Village	
AA-IS	Atka	
ATKA	Atka Island	
ATTU	Attu Island--Fox	FX1
FX1	Attu Island--Fox	
AUCH	Augustine Cone H	
AUD	Augustine Domo	
AUF	Augustine Flow	
AUH	Augustine H	
AUI	Augustine Island	
AGI	Augustine Island	
AUE	Augustine Island	
AU2	Augustine Island	
AUJK	Augustine Juegen Kienle	
AUJA	Augustine Junction	
AUL	Augustine Lava	
AU22	Augustine Mound	
AUM	Augustine Mound	
AUNW	Augustine NWest	
AUP	Augustine Pinnacle	
AUQ	Augustine Qik'rtamen	
AUSE	Augustine SEast	
AGU	Augustine-Summit	
AUW	Augustine West	
ABF	Auke Bay	
F20K	Avaraart Lake	
D22K	Ayikyak River	
BAGL	Bagley Icefield	
F17K	Baldwin Penninsula	
BALM	Baldy	
BALA	Baldy Mountain	
G23K	Bananza Creek	
BCPM	Bancas Point	
BARK	Barkley Ridge	
BARN	Barnard Glacier	
BGL	Barrier Glacier	
BGRM	Barrier Glacier Two	

Code	*Station Name*	*Other*
BRV	Barrow	
A21K	Barrow	
BRW	Barrow	
BI2	Barter Island	
BI1	Barter Island	
BI3	Barter Island	
BI4	Barter Island	
G25K	Bearman Lake	
BPAW	Bear Paw Mtn.	
BCAR	Beaver Creek Array Beam Reference Point	
BC01	Beaver Creek Array Site 1	
BC02	Beaver Creek Array Site 2	
BCA3	Beaver Creek Array Site 3	BCAR
BC04	Beaver Creek Array Site 4	
BC05	Beaver Creek Array Site 5	
L27K	Beaver Creek, Northway Junction	
BLGA	Beluga	
BEH	Bench	
CKT	Bend	
BERG	Berg Lake	
BGLC	Bering Glacier BLM Camp	
BBO	Besboro Island	
BESE	Bessie Mountain	
BQ-AK	Bethel	
BET	Bethel	
M14K	Bethel	
G22K	Bettles	
BKJ	Big Koniuji Island	
BGM	Big Mountain	
BIG	Big Mountain	
P18K	Big Mountain, AK	
M19K	Big River Lodge, Big River	
BIO	Biorka	
H25K	Birch Creek	
H25L	Birch Creek	
BRH	Birch Hill	
BLHA	Black Hill	
S12K	Black Hills	
BLR	Black Rapids	
BKG	Blockade Glacier	
BLM	Blue Mountain	BMT
BMT	Blue Mountain	
AK4	Bobrof	
N19K	Bonanza Creek NPS repeater	
BRLK	Bradley Lake	
BRNE	Bradley Lake NE	
BRNW	Bradley Lake NW	
BRSE	Bradley Lake SE	
BRSW	Bradley Lake SW	
BMRM	Bremner River	
BDP	Broad Pass	
BWN	Browne	
BRPK	Brown Peak	
BMAR	Burnt Mountain Array Beam Reference Point	
BM01	Burnt Mountain Array Site 1	
BM02	Burnt Mountain Array Site 2	
BM03	Burnt Mountain Array Site 3	BM3
BM3	Burnt Mountain Array Site 3	
BM04	Burnt Mountain Array Site 4	
BM05	Burnt Mountain Array Site 5	BMAR
CAHL	Cahill	
C26K	Camden Bay	
CDL	Candle	
CNA	Cantwell	
CDY	Cape Darby	
CDA	Cape Douglas	
CDD	Cape Douglas	
Q19K	Cape Douglas, AK	
CPR	Cape Romanzof	
CSA	Cape Sarichef	
CYK	Cape Yakataga	
CYT	Cape Yakataga	
CGLM	Capps Glacier	
CAPN	Captain Cook Nikiski	
CAST	Castle Rocks	
CHX	Chaix Hills	
CKL	Chakachamna Lake	
CKN	Chakachatna North	
SPCN	Chakachatna North Broadband	
E23K	Chandalar	
J26K	Charley River, AK	
CKK	Chekok	
CNBA	Chernabura Island	
CHNA	Chernabura Island	
K27K	Chicken	
CHGN	Chignik	
CSG	Childs Glacier	
CNPM	China Poot	
CHIR	Chirikof Island	
CHIA	Chirikof Island	
CTGM	Chitina Glacier	
N25K	Chitina, Valdez-Cordova	
CTG	Chitna Glacier	
CHW	Chowiet Island	
F25K	Christian River	
CKR	Christmas Creek	
CUT	Chulitna	
CHB	Church	
TCOL	CIGO, UAF Yankovich Road, Fairbanks	
CRQM	Cirque	
CRQE	Cirque	
R31K	City Hall, Gustavus	
CCB	Clear Creek Butte	
CMA	Clear Mews	
CLES	Cleveland East, Cleveland Volcano	
I26K	Coal Creek Mining Camp	
CBY	Cold Bay	
CBA	Cold Bay	
COLD	Coldfoot	
E27K	Coleen River	
COLA	College	
CMO	College--Fairbanks	
CFI	College Fiord	
COL	College Outpost	
CHSA	Colony High School	
CLCO	Concord Point, Cleveland Volcano	
CNTC	Contact Creek	
Q17K	Contact Creek Katmai	
O22K	Cooper Landing	
CDI	Cordova	
CVA	Cordova	
EYAK	Cordova Ski Area	
CRAG	Craig	
CRP	Crater Peak	
CPAM	Crater Peak Alternate	
SPCP	Crater Peak Broadband	
CPKM	Crater Peak Rim	
CP2	Crater Peak Two	
M13K	Dall Lake	
DMB	Deadman Bay	
DHAK	Deception Hills	
DRRA	Deer Island	
DRIA	Deer Island	
C17K	DeLong Mountains	
DJE	Delta Junction E	
DMW	Delta Microwave	
DHY	Denali Highway	
DMA	Devil Mountain	
DLL	Dillingham	
DSK	Disk Island	
DIV	Divide	
DOL	Dolgoi Island	
DLG	Dolgoi Island	
L17K	Donlin	
K24K	Donnelly Dome	
DDM	Donnelly Dome	
DOT	Dot Lake	
G27K	Doyon Strip	
DFR	Drift River	
DHA	Dutch Harbor	
DUT	Dutch Harbor	
DT1	Dutton Round Hill	
DTNA	Dutton South Flank	
EGAK	Eagle	
R32K	Eaglecrest	
EAM	Ear Mountain	
M27K	Edge Creek, AK	
NPO	Eielson Array	
ILAR	Eielson Array Beam Reference Point	
ILB	Eielson Array Broadband	ILAR
IL1	Eielson Array Site 1	
IL10	Eielson Array Site 10	
IL11	Eielson Array Site 11	
IL12	Eielson Array Site 12	
IL13	Eielson Array Site 13	
IL14	Eielson Array Site 14	
IL15	Eielson Array Site 15	
IL16	Eielson Array Site 16	
IL17	Eielson Array Site 17	
IL18	Eielson Array Site 18	
IL19	Eielson Array Site 19	
IL02	Eielson Array Site 2	
IL03	Eielson Array Site 3	
IL04	Eielson Array Site 4	
IL05	Eielson Array Site 5	
IL06	Eielson Array Site 6	
IL07	Eielson Array Site 7	
IL08	Eielson Array Site 8	
IL09	Eielson Array Site 9	
H16K	Elim	
EAFB	Elmendorf Base	
ELV	Elvey	
ENG	Engineer Hill	
ERN	Ernestine	
D20K	Etivluk River	
FBK	Fairbanks	
FB2AK	Fairbanks	
FBA	Fairbanks	
FB-AK	Fairbanks	
FBAS	Fairbanks	
I53US	FAIRBANKS INFRASONIC ARRAY REFERENCE POINT	
FBAL	Fairbanks--Long Period	
FSP	False Pass	
FALS	False Pass	
L20K	Farewell, AK	
WFAR	Faris Peak	
FLP	Featherly Pass	
FIS	Fire Island	
FIB	Fire Island	
S14K	Fog Glacier	
VNFG	Fog Glacier, Mount Veniaminof	
FY2	Fort Yukon	
FY4	Fort Yukon	
FY5	Fort Yukon	
FY3	Fort Yukon	
FY1	Fort Yukon	
FYU	Fort Yukon	
FOSS	Fourpeaked Station 1	
FONW	Fourpeaked Station 2	
FOPK	Fourpeaked Volcano	
C24K	Franklin Bluffs	
GCSA	Galena City School	
GAMB	Gambell	
GAEA	Gareloi East	
GAKI	Gareloi-Kavalga I.	
GALAA	Gareloi Lava Pt.	
GANO	Gareloi North	
GANE	Gareloi Northeast	
GASW	Gareloi Southwest	
GIA	Geophysical Institute, University of Alaska	
GLB	Gilahina Butte	
GIL	Gilmore Creek	
GLN	Gilmore Dome	
GLM	Gilmore Dome	GLN
GLI	Glacier Island	
GLC	Glacier Island	
M23K	Glacier View	
GHO	Glory Hole Creek	
GOAT	Goat Mountain	
GKC	Gold King Creek	
GSV	Goldstream Valley	
GSVT	Goldstream Valley	
GOU	Gould Hall	
GBY	Granite Bay	
GRNC	Granite Creek	
GMA	Granite Mountain	
H17K	Granite Mountain	
L18K	Granite Mountain	
GRLA	Grayling	
AD1	Great Sitkin	
GSCK	Great Sitkin Cape Kiugilak	
GSMY	Great Sitkin Middle Yoke	
GSSP	Great Sitkin Saddle Point	
GSTR	Great Sitkin Teapot Rock	
GSTD	Great Sitkin Triple Divide	
GRIN	Grindle Hills	
GUL	Gulkana	
GYO	Guyot Hills	
HARP	HAARP	
G24K	Hadweenzic River	
HAG	Hague Volcano	
HMT	Hamilton	
D24K	Happy Valley	
HDA	Harding Lake	
HQN	Harlequin Lake	
HPP	Hepp	
AD4	Hidden Bay	
HIN	Hinchinbrook Island	
M17K	Holitna River	
HOM	Homer	
H18K	Honhosa River	
E17K	Hotham Inlet	
HUR	Hurricane	
U35K	Hyder	
K17K	Iditarod	
GSIG	Igitkin Island	
B21K	Ikpikpuk River	
ILM	Iliamna	
ILIM	Iliamna	
ILS	Iliamna Low South	
INE	Iliamna NE	
INW	Iliamna NW	
IVS	Iliamna South	
ILSW	Iliamna Southwest, Iliamna Volcano	
IVE	Iliamna Volcano East	
ILW	Iliamna West	
RIDG	Independent Ridge	
IMA	Indian Mountain	
IMA2	Indian Mountain	
IMAR	Indian Mountain Array Beam Reference Point	
IM01	Indian Mountain Array Site 1	
IM02	Indian Mountain Array Site 2	
IM3	Indian Mountain Array Site 3	
IM04	Indian Mountain Array Site 4	
IM05	Indian Mountain Array Site 5	
J18K	Innoko River	
ISTK	Isanotski	
ISNN	Isanotski North	
H22K	Ishtalitna Creek	
C23K	Itkillik River	
IVF	Ivanof Bay	
JPK	Jack Peak	
C27K	Jago River	
F22K	John River	
J26L	Joseph Creek	
JIS	Juneau Island	
ISLE	Juniper Island	
AD3	Kagalaska	
ETKA	Kagalaska Island	
KICM	Kanaga Island Cape Miga	
KIKV	Kanaga Island Kanaga Volcano	
KIMD	Kanaga Island MID Benchmark	
KINC	Kanaga Island North Cape	
KIRH	Kanaga Island Round Head	
KIWB	Kanaga Island Westway Bight	
I27K	Kandik River	
KTH	Kantishna Hills	
R18K	Karluk	
M15K	Kasigluk River	
KAWH	Katmai	
KTM	Katmai	
KABR	Katmai Barrier Ridge	
KBM	Katmai Bkd Mtn	
KABU	Katmai Buttress	
KAHC	Katmai Hardscrabble Creek	
Q18K	Katmai Hardscrabble Creek	
KAHG	Katmai Hook Glacier	
KAIC	Katmai Ikagluik Creek	
KAKN	Katmai Knife Crk	
KCE	Katmai Mt Cerb's	
KAPH	Katmai Pasha	
KARR	Katmai Rainbow River	
KVTA	Katmai Vly 10 NE	
D25K	Kavik River	
KAIM	Kayak Island	
KYK	Kayak Island	
KJL	Kejulik	
KEN	Kenai	
KCN	Ketchikan	
V35K	Ketchikan	
KHIT	Khitrov Hills	
KIAG	Kiagna River	
N18K	Kilae Creek	
E21K	Killik River	
S32K	Killisnoo	
KMP	Kimball Pass	
Q16K	King Salmon	
G17K	Kiwalik Mountain	
KLU	Klutina	
C21K	Knifeblade Ridge	
KCG	Knife Ck. Glacier	
KNIM	Knight Island	
KNK	Knik Glacier	
KD1	Kodiak	
KD2	Kodiak	
KD3	Kodiak	
KDC	Kodiak Island	
KDAK	Kodiak Island	
KGR	Kogok River	
B18K	Kokolik River	
O18K	Koktuh Hills	
O16K	Kokwok River Bristol Bay	
O17K	Koliganek Bristol Bay	
KKLA	Kookooligit Mountain	
KONE	Korovin Northeast	
KONW	Korovin Northwest	
KOSE	Korovin Southeast	
KOKV	Korovin Volcano	
KOWE	Korovin West	
KTA	Kotzebue	
G16K	Koyuk River	
L14K	Kuka Creek	
KULT	Kultieth River Mountain	
D19K	Kuna River	
K13K	Kusilvak Mountain	
N14K	Kuskokwak Creek	
P17K	Kvichak River	
N15K	Kwethluk River	
CHUM	Lake Minchumina	
LTI	Latouche	
LVA	Lava Point	
LVY	Levy	
C16K	Lisburne Hills	
LSI	Little Sitkin Island	
LSNW	Little Sitkin NW	
LSPA	Little Sitkin PP	
LSSA	Little Sitkin S'e	
LSSE	Little Sitkin SE	
LOGN	Logan Glacier	
L26K	Log Cabin Wilderness Lodge, Tok	
C19K	Lookout Ridge	
LOU	Louis Bay	
MRS	Maars	
OKFG	Magazine Ridge	
MGLS	Mageik Landslide	
MCIR	Makushin Cirque	
MGOD	Makushin Gods Own Repeater Site	
MSOM	Makushin Julie Andrews	
MNAT	Makushin Nateekin	
MREP	Makushin Rep'tr	
MSW	Makushin Switchbacks	
MTBL	Makushin Table Top	
MLP	Malaspina Glacier	MLA
MLA	Malaspina Glacier	
MLY	Manley	
MCARA	McCarthy VSAT	
MCK	McKinley	
MCNL	McNeil River	
MCL	McNeil River	
B20K	Meade River	
M11K	Mekoryuk	
H21K	Melozitna River	
MENT	Mentasta	
MCR	Mercer	
MESA	MESA	
MMC	Middle Cape	
Q23K	Middleton Island	
MID	Middleton Island	
MIK	Minitrack	
I23K	Minto, Yukon-Koyukuk	
MFA	Mitchell Field	
P23K	Montague Island	
MTU	Montague Island	
MTG	Montague Island	
MSE	Moose Creek	
MCB	Moose Creek Bluff	
MPA	Moose Pass	
ADAG	Mount Adagdak	
KELA	Mount Kelaz	
KOKL	Mount Kliuchef	
SPU	Mount Spurr	
N20K	Mount Spurr	
R17L	Mt. Peulik Volcano	
MDM	Murphy Dome	
I20K	Naaghedeneel	
M26K	Nabesna, AK	
NAGA	Nagai Island	
NGI	Nagai Island	
D23K	Nanushuk River	
J14K	Nanvaranak Lake	
NCA	Nelchina	
NEA2	Nenana	
NEA	Nenana	
NICHA	Nichawak Mountain	
E20K	Nigu River	
NKA	Nikishka	
NHSA	Nikolaevsk School	
NIK	Nikolski	
NKI	Nikolski	
NIKO	Nikolski	
NIKH	Nikolski High Hill	
NNL	Ninilchik	
NIN	Ninilchik One	
N16K	Nishlik Lake	
G15K	Niukluk	
D17K	Noatak River	
NOM	Nome	
ANM	Nome	
H24K	Noodor Dome	
NCG	North Capps Glacier	
NCT	North Crescent	
NGL	North Gasline	
AD7	North Kanaga	
SPNN	North Nagishlamina, Mt. Spurr	
NRA	North River	
F15K	North Star Ditch	
AT3	North Tanaga	AK3
AK3	North Tanaga	
AK0	North Tanaga	
AK5	North Tanaga	
J20K	Nowinta River	
NTK	Nunatak	
N17K	Nushagak Hills	
P16K	Nushagak River	
OPT	Oil Point	
P19K	Oil Pt	
OKAK	Okmok	
OKCD	Okmok Cone D	
OKCE	Okmok Cone E	
OKCF	Okmok Cone F	
OKER	Okmok East Rim	
OKID	Okmok Mt. Idak	
OKTU	Okmok Mt. Tulik	
OKNC	Okmok New Cone D	
OKRE	Okmok R'deer Pt	
OKSO	Okmok South	
OKSP	Okmok Steeple Pt	
OKWR	Okmok West Rim	
OKWE	Okmok W'ng Wall	
L16K	Owhat River	
MAPS	Pakushin Southeast, Makushin Volcano	
PMR	Palmer	
PME	Palmer East	

Code	Station Name	Other
PHSA	Palmer High School	
PMS	Palmer South	
PLRM	Palmer USGS	PMR
PWA	Palmer West	
PTPK	Patty Peak	
PN6	Pavlof North-6	
PN7A	Pavlof North-7A	
PS1A	Pavlof South-1A	
PS4	Pavlof South-4	
PS4A	Pavlof South-4A	
PVV	Pavlof Volcano	
PVK	Pavook Mountain	
PAX	Paxson	
PDB	Pedro Bay	
PJD	Pedro Dome	
S31K	Pelican	
PNL	Peninsula	
PRYA	Perryville	
PBG	Petersburg	
T33K	Petersburg	
PBG1	Petersburg	
PSA	Petersburg	
PPSA	Petersburg Public Schools	
L22K	Petersville	
PLK1	Peulik 1	
PLK2	Peulik 2	
PLK3	Peulik 3	
PLK4	Peulik 4	
PLK5	Peulik 5	
PLBL	Peulik Blue Creek	
PLWL	Peulik Whale Mountain	
R16K	Pilot Point	
PINM	Pinnacle	PCA
PCA	Pinnacle	
PNN	Pinnacle Mountain	
WPOG	Pogromni	
PTB	Point Barrow	
POKR	Poker Plat Research Range	
J19K	Poorman	
PRP	Porcupine Dome	
G26K	Porcupine River	
PTE	Portage	
O19K	Port Alsworth	
PTCL	Port Clarence	
FID	Port Fidalgo	
PHA	Port Heiden	
PMA	Port Moller	
PWL	Port Wells	
KPE	Price	
PUB	Puale Bay	
G19K	Purcell Mountains	
PPLA	Purkeypile	
RC01	Rabbit Creek Array Site 1	
RGD	Ragged Mountain	
RAGM	Ragged Mountain	
RAI	Raspberry Island	
RAT	Rat Island	
RDOG	Red Dog Mine	
RDT	Redoubt	
RDDR	Redoubt East 2	
REF	Redoubt East Flank	
RDJH	Redoubt Jeurgen	
RDN	Redoubt North	
RDSO	Redoubt South	
RSO	Redoubt South	
RS1	Redoubt South 1	
RS2	Redoubt South 2	
RED	Redoubt Volcano	
RDE	Redoubt Vol. East	
RDW	Redoubt West	
RDWB	Redoubt West	
E19K	Redstone River	
RND	Reindeer	
RON	Remote	
REM	Remote	
RIU	Riou	
RKAV	Rock Avalanche	
H19K	Roundabout Mountain	
SDEM	Sadie Cove	
P08K	Saint George Island	
STMI	Saint Michael	
SP-IS	Saint Paul	
SPP	Saint Paul	
SPIA	Saint Paul Island	
SPI	Saint Paul Islands	
J25K	Salcha River, AK	
SAMH	Samovar Hills	
SNKA	Sanak Island	
SBY	Sand Bay	
SCRK	Sand Creek	
SGB	San Diego Bay	
SDN	Sand Point	
SASA	Sand Point	
SDPT	Sand Point	
SPBA	Sand Point BB	
SVGA	Savoonga	
SOV	Savoonga	
SML	Sawmill	
SCT	Scotty Lake	
F18K	Selawik	
XLV	Seldovia	
SLV	Seldovia	
CEAP	Semis' Anvil Peak	
CERB	Semis' Cerberus	
SSI	Semisopochnoi Island	
CEPE	Semis' Perret Rge	
CERAA	Semis' Rag'd Top	
CESW	Semis' Southwest	
CETU	Semis' Tuman	
SEW	Seward	
F19K	Shaleruckik Mountain	
F26K	Sheenjek River	
SCF	Sheep Creek Facility	
SCM	Sheep Creek Mountain	
SMY	Shemya	
SQ-IS	Shemya	
SHY	Shemya	
SHEM	Shemya Is, Alaska	
SGAM	Sherman Glacier	
SSBA	Shishaldin	
SSLN	Shishaldin North	
SSLS	Shishaldin South	
SSLW	Shishaldin West	
SHU	Shuyak Island	
SYI	Shuyak Island	
Q20K	Shuyak Island	
RDS	Siegrist	
A22K	Sinclair Lake	
SIT	Sitka	
SKD	Sitkalidak Island	
SII	Sitkinak Island	
SKAG	Skagway	
SKGA	Skagway School	
SKL	Skilak	
SLKM	Skilak Lake	
SKT	Skwentna	
O20K	Slope Mountain	
SDG	Sourdough	
AD6	South Kanaga	
AK2	South Tanaga	
AT2	South Tanaga	AK2
SVW	Sparrevohn	
SVW2	Sparrevohn	
SPL	Spiridon Lake	
SPBG	Spurr Blockage Glacier	
SPCG	Spurr Capps Glacier	
SPCR	Spurr Chakachatna River	
SPNW	Spurr Northwest	
SPWE	Spurr West	
SQF	Squaw Harbor	
F24K	Squaw Lake	
H27K	Steamboat Mountain	
SGA	Stephens Glacier	
STY	Stony River	
M18K	Stony River	
STLK	Strandline Lake	
M20K	Styx River	
SUK	Suckling Hill	
SUCK	Suckling Hills	
SSH	Sunshine	
SNH	Sunshine Point	
SBEA	Susan B. English School	
SST	Susitna	
SUA	Susitna One	
WAT1	Susitna Watana 1	
WAT2	Susitna Watana 2	
WAT6	Susitna Watana 6	
WAT7	Susitna Watana 7	
TABL	Table Mountain	
G18K	Tagagawik	
TLK	Talkeetna Mountains	
TACS	Tanaga Cape Sajaka	
TAFP	Tanaga Falls Point	
TAFL	Tanaga Flats	
TANO	Tanaga North	
TAPA	Tanaga Point Aries	
TASE	Tanaga Southeast	
TGL	Tana Glacier	
I21K	Tanana	
TNN	Tanana	
PS10	TAPS Pump St10	
PS11	TAPS Pump St11	
PS12	TAPS Pump St12	
PS01	TAPS Pump Stn	
PS04	TAPS Pump Stn4	
PS05	TAPS Pump Stn5	
PS06	TAPS Pump Stn6	
PS07	TAPS Pump Stn7	
PS08	TAPS Pump Stn8	
PS09	TAPS Pump Stn9	
VMT	TAPS Tl Valdez	
TT01	Tatalina	
TTA	Tatalina	
TTL	Tatalina	
TZL	Tazlina	
K20K	Telida	
TLR	Teller	
TTV	Teren Tiev Lake	
B22K	Teshekpuk Lake	
TRF	Thorofare Mountain	
O14K	Tigyukauivet Mountain	
M16K	Timber Creek	
TCY	Tin City	
TNA	Tin City	
TMW	Tok Microwave	
TOA	Tolsona	
M24K	Tolsona, Glennallen	
TOLK	Toolik Lake Research Station	
TKK	Topkok	
TRAP	Trapper Creek	
THY	Trims Highway	
TSIM	Tsina	
WTUG	Tugumak	
E18K	Tukpahlearik Creek	
UGI	Ugak Island	
R17K	Ugashik Creek	
USL	Ugashik Lake	
UKL	Ugashik Lake	
AD2	Umak	
I17K	Unalakleet	
UNL	Unalakleet	
UNA	Unalaska	
UNV	Unalaska Valley	
L15K	Ungalak Mountain	
O15K	Ungalikthiuk River	
C18K	Utukok River	
J17K	VABM Dome	
VLD	Valdez	
VLZ	Valdez	
VZS	Valdez South	
VZW	Valdez West	
BPBCA	Veniaminof	
VNHG	Veniaminof 1	
VNNF	Veniaminof 3	
VNKR	Veniaminof 5	
VNSG	Veniaminof 6	
VNSW	Veniaminof 7	
VNWF	Veniaminof 8	
VNSS	Veniaminof 8	
VRDI	Verde Repeater	
VOGL	Vogel Lake	
A19K	Wainwright	
WAX	Waxell Ridge	
WESE	West Dahl East	
WESN	West Dahl North	
WESS	West Dahl South	
AK1	West Kanaga	
AT1	West Kanaga	AK1
U33K	Whale Pass	
L19K	White Mountain	
WRG	White River Glacier	
M22K	Willow	
WLM	Willow Mountain	
K15K	Wolf Creek Mountain	
WRH	Wood River Hill	
WACK	Wrangell Chichokna Glacier	
WRAK	Wrangell Island	
WAZA	Wrangell Mount Zanetti	
WANC	Wrangell North Crater	
WASW	Wrangell Southwest	
YAH	Yahtse	
AD5	Yakak	
YKGM	Yakataga	
YKU2	Yakutat	
YKU	Yakutat	
YKT	Yakutat	
YCB	Yellow Creek Bluff	
E24K	Your Creek	
H23K	Yukon River	
IL01		IL1
AL35		AL5
IL31		ILB
IM03		IM3
AL34		FBAL
BC03		BCA3
BC3*		BCA3
Aleutian Islands, Alaska		
ISLZ	Isanotski Lazaref River	
WEBT	Westdahl Beartrack Creek	
WECS	Westdahl Cape Sarichef	
WESP	Westdahl Peak	
Arizona		
AJAR	Ajai Ranch	
GVA	Apache Junction	
ASU	Arizona State University	
119A	Ashpeak Ranch, Duncan	
318A	Bisbee	
114A	Black Gap (USAF), Gila Bend	
BPK	Black Peak	
BRDG	Blue Ridge	
V14A	Boquillas Ranch, Navajo N., Peach Springs	
BDA	Boulder Dam	
Y18A	Canyon Day Junior High, Whiteriver	
Y15A	Casa Rosa Ranch, Morristown	
CCAZ	Cataract Creek	
Y16A	Circle Bar Ranch, Sunflower	
U19A	Dine' College, Tsaile	
319A	Douglas	
218A	Dragoon	
EKU	East Kanab	
116A	Eloy	
W16A	Flagstaff	
FS-	Flagstaff	FS-AZ
FLG	Flagstaff	
FLAG	Flagstaff	
FS-AZ	Flagstaff	
X17A	Forest Lakes	
FTM	Fortuna Mine	
V18A	Ganado	
Z18A	Geronimo	
Z15A	Gila River Indian Community, Laveen	
GCA	Glen Canyon	
T16A	Glen Canyon Dam (NPS), Page	
GE-AZ	Globe	
GE-	Globe	GE-AZ
GCAZ	Grand Canyon	
V13A	Grand Canyon West Ranch, Meadview	
217A	Green Valley	
HR-	Heber	HR-AZ
HR-AZ	Heber	
118A	Homack Ranch, Wilcox	
W13A	Hualapai Mountain Park, Kingman	
X15A	Humboldt	
HTCH	Hutch Mountain	
JR-AZ	Jerome	
JR-	Jerome	JR-AZ
V15A	Kaibab National Forest USFS, William	
KG-AS	Kingman	
KG-	Kingman	KG-AZ
KG-AZ	Kingman	
KH-	Kohls Ranch	KH-AZ
KH-AZ	Kohls Ranch	
LGA	Laguna Mountains	
DUN6	Lazy B Ranch	
X16A	Lo Mia Camp, Pine	
LG-AZ	Long Valley	
LG-	Long Valley	LG-AZ
113A	Mohawk Valley, Roll	
MTLAZ	Mount Logan	
U14A	Mt Trumbull	
MMA	Mummy Mountain	
T17A	Navajo Res., Navajo Mountain	
NL-	Nazlini	NL-AZ
NL2	Nazlini	
NL-AZ	Nazlini	
NL2AZ	Nazlini	
U15A	North Rim	
Y19A	Nutrioso	
117A	Oracle	
214A	Organ Pipe National Monument, Ajo	
PGAZ	Page	
U13A	Pakoon Wash	
S15A	Panguitch	
PDMCI	Parker Dam,Lake Havasu City	
PY-AZ	Payson	
PY-	Payson	PY-AZ
Z16A	Peralta Trail, Apache Junction	
W18A	Petrified Forest	
PFA	Pierce Ferry	
QC-	Queen Creek	
Y17A	Roosevelt	
U18A	Rough Rock, Chinle	
SGI03	Saint George Infrasonic Array Site 3	
Y13A	Salome	
Z17A	San Carlos High School, San Carlos	
W19A	Sanders	
SLU	San Luis	
W14A	Seligman	
SG-	Seligman	SG-AZ
SG-AZ	Seligman	
U17A	Shonto	
SF-AZ	Snowflake	
SF-	Snowflake	SF-AZ
X18A	Snowflake	
115A	Sonoran Desert, Stanfield	
SV-	Springerville	SV-AZ
SV-AZ	Springerville	
X19A	St. Johns	
SN-	Sunflower	SN-AZ
SN-AZ	Sunflower	
SCN	Sunset Crater	
216A	Three Points, Tucson	
Z19A	T-Link Ranch, Clifton	
V17A	Tonalea, Kykotsmovi	
TFO	Tonto Forest Array	
THO	Tonto Hills Observatory	
TSL	Tsaile	
U16A	Tuba City	
TUC	Tucson	
TDM	Tucson Desert	
TUO	Tucson Observatory	
TUT	Tucson--Telemeter	
UOA	University of Arizona	
219A	White Tail Canyon, San Simon	
Y14A	Wickenburg	
WM-	Williams	WM-AZ
WMZ	Williams	
WM-AZ	Williams	
W15A	Williams	
V19A	Window Rock	
WO-AZ	Winslow	
W17A	Winslow	
WO-	Winslow	WO-AZ
Z14A	Wintersburg	
WUAZ	Wupatki	
X14A	Yava	
X13A	Yucca	
112A	Yuma	
YMD	Yuma Desert	
Z13A	Yuma Proving Gounds (US Army), Dateland	
Arkansas		
Z43A	Armstrong Family, Eudora	
AFAR	Ash Flat	
BK-	Bald Knob	BK-AR
BK-AR	Bald Knob	
W42A	Bald Knob	
X40A	Basin Creek Farm, Marlvern	
V44A	Blytheville	
CCAR	Cane Creek	
V38A	Canehill	
CW-	Conway	CW-AR
CW-AR	Conway	
V42A	Cord	
CRID	Crittenden County--Downhole	
CRIS	Crittenden County--Surface	
DLAR	Dell	
Y41A	Eaglette Bearden	
FAY	Fayetteville	
FAV	Fayetteville	
W40A	Ferguson Farm, Pottsville	
W43A	Forest City	
X39A	Fountain Ranch, Mena	
Y42A	Garnett, Star City	
W41B	Gary Mavity, Velonia	
U38A	Gravette	
X102	Greenbrier Site X102	
X201	Greenbrier Site X201	
X301	Greenbrier Site X301	
U39A	Green Forest	
HBAR	Harrisburg	
HCI	Hatchie Coon Island	
HHAR	Hobbs	
HOGG	Hoggard's Bluff	
IK-AR	Ink	
IK-	Ink	IK-AR
V43A	Jonesboro	
JHP	Judd Hill Plantation	
X41A	Kaden, Bauxite	
LGAR	La Grange	
LCAR	Lake Charles	
LVAR	Leachville	
LRA	Little Rock	
Y39A	Lockesburg	
Z40A	Long Farm, Magnolia	
LRDO	Lorado	
W39A	Magazine	
MSAR	Manila South	
MK-AR	Marked Tree	
MK-	Marked Tree	MK-AR
X43A	Marvell	
MY-	McCrory	MY-AR
MY-AR	McCrory	
MCAR	Mid-South CC	
MP-	Mountain Pine	MP-AR
MP-AR	Mountain Pine	
V41A	Mountainview	
MZ-	Mount Ida	MZ-AR
MZ-AR	Mount Ida	
MIAR	Mount Ida	
Z42A	Norrel Spur, Hamburg	
Y40A	Okolona	
OLY	Olyphant	
FCAR	Ozark Folk Center	
PGA	Paragould	
PV-AR	Perryville	
PV-	Perryville	PV-AR
V39A	Pettigrew	
POW	Powhatan	
QUAR	Qualls	
U43A	Rector	
U42A	Revenden	
Z41A	Richland Creek Farm, El Dorado	
X47A	Russelville	
SEAR	Searcy	
STAR	Star City	
X42A	Stuttgart	
W41A	Tony Mavity, Velonia	
TWAR	Twist	
UALR	University of Arkansas, Little Rock	
U41A	Viola	
WGAR	Walnut Grove	
WR-AR	Walnut Ridge	
WR-	Walnut Ridge	WR-AR
WLAR	White Oak Lake	
WLA	Wittsburg Lake	

Code	*Station Name*	*Other*
V40A	Witts Springs	
X49A	Woodville	
WHAR	Wooly Hollow	
WY-	Wynne	WY-AR
WY-AR	Wynne	
U40A	Yellville	
California		
TN-	29 Palms	TN-CL
C024	33rd St Richmond	
C061	42nd Avenue Oakland	
O03C	Acorn Hollow, Los Molinos	
PADM	Adeladia	
ADL	Adelanto	
ADO	Adelanto Receiving Station	
VAK	Adit at Lawrence Berkeley Lab, Berkeley, CA	
GACM	Adobe Creek	
AVC	Adobe Valley	
AGAC	Agave Hill	
AGOC	Agoura	
AL1	Aidlin Power Plant 1	
AL2	Aidlin Power Plant 2	
AL3	Aidlin Power Plant 3	
AL4	Aidlin Power Plant 4	
AL6	Aidlin Power Plant 6	
AARM	Airport Road	
PAPM	Alder Peak	
GAS	Alder Springs	
GASB	Alder Springs	
ARDC	Alexander Ranch	
GAXM	Alexander Valley	
C053	Alexander Way Pleasanton	
NADM	Allendale	
JALM	Almaden	AMC
AMC	Almaden	
WASM	Alta Sierra Campground	
ALV	Alvord Mountain	
AMR	Amargosa	
AMS	Amos	
AIC	Anacapa Island	
BAPM	Anderson Peak	
CADM	Anderson Res.	ADR
ADR	Anderson Reservoir	
CAIM	Angel Island	AGC
AGC	Angel Island	
LT13	Angel Island	AGC
ALPC	Antelope	
PAGB	Antelope Grade	
PAGM	Antelope Grade	
LAMM	Antelope Mountain	
ANTCA	Antelope Range	
BAVM	Antelope Valley	
PARM	Anticline Ridge	
CACM	Antioch	
AN9*	Anzar Reservoir 9	
ANZ	Anzar Road	
HAZM	Anzar Road	ANZ
GARM	Arbuckle	
ARC	Arcata	
LASM	Arnica Sink	
ARN	Arnold Ranch	
CAOM	Arnold Ranch	ARN
AASM	Arroyo Seco	
ARVC	Arvin	
C013	Ascot Lane Oakland	
NAPC	Atlas Peak	
ADC	Auburn Dam	
BABR	Babbit Peak	
BACC	Bachelor Mtn.	
BKRC	Baker	
BF-	Bakersfield	BF-CL
BF-CL	Bakersfield	
BALC	Balcom Canyon	
CBLG	Bald Mountain Lookout	
BHPC	Baldwin Hills Oil	
GBMM	Baldy Mountain	
BREC	Barre Substation	
BAR	Barrett	
KBRM	Barry Ridge	
PBRM	Bassetti Ranch	
LBMM	Bass Mountain	
BATC	Bat Cave Butte	
BBEB	Bay Bridge East	
E17B	Bay Bridge East Pier 17	
E07B	Bay Bridge East Pier 7	
W02B	Bay Bridge West Pier 2	
W05B	Bay Bridge West Pier 5	
KBBM	Bear Butte	
BCCC	Bear Creek Country Club, Murrieta	
JBCM	Bear Creek Road	LT15
LT15	Bear Creek Road	
BGH	Bear Gulch	
JBGM	Bear Gulch	BGH
BMTC	Bear Mountain	
BVL	Bear Valley	
BVLM	Bear Valley	BVL
BVC	Bear Valley Observatory	NOLM
PKD	Bear Valley Ranch, Parkfield	
BBSC	Beaumont Base	
BEKR	Beckworth	
NBRM	Beebe Ranch	BBR
BBR	Beebe Ranch	
NBRB	Beebe Ranch Broadband	
LBPM	Beegum Peak	
BELC	Belle Mtn. Joshua Tree, Twentynine Palms	
KBSM	Bell Springs	
JBNB	Ben Lomond Mountain, Santa Cruz County	
BNLO	Ben Lomond (Santa Cruz Mountains)	
BENR	Benton	
BKS	Berkeley--Byerly	
BRK	Berkeley--Haviland	
NBPM	Berryessa Peak	
BRTC	Bertell Ranch	
BVH	Beverly Hills	
N02C	Big Bar	
BBC	Big Bear	
BBRC	Big Bear Solar Observatory, Big Bear Lake	
BC3	Big Chuckawalla Mtns, Desert Center	
BC2	Big Chuckwalla Mountains 2	
GBDM	Big Darby	
LBGM	Big Gulch	
R04C	Big Horse Ranch, Ione	
BMM	Big Maria Mountains	
BBGM	Big Mountain	
BBGB	Big Mountain Broadband	
BCKR	Birch Creek	
WBSM	Bird Springs	
BHPR	Bishop	
BP-	Bishop	BP-CL
BP-CL	Bishop	
BCW	Bitter Crk WRge	
BTW	Bitterwater Creek	
PBWM	Bitterwater Creek	BTW
PBPM	Bitterwater Pump Station	
BLCC	Black Canyon	
BCHM	Black Canyon North	
BDM	Black Diamond Mines Park, Antioch	
LBFM	Black Fox Mountain	
BLKC	Black Mountain	
BLDC	Black Mountain	
JBMM	Black Mountain	
BMRR	Black Mountain	
GBOM	Black Oak	
BLAC	Blackrock camp	
MBFM	Blanchard Fire Station	
C072	Blauer Lane San Jose	
OBHM	Bloomer Hill	
C030	Blue Jay Drive Morgan Hill	
KBNM	Bluenose Ridge	
BLU	Blue Ridge	
BLYC	Blythe	
Y12C	Blythe	
ABJM	Bob Jauregui Ranch	
BODR	Bodie	
GBGM	Boggs Mountain	
CBRM	Bolinger Road	BGC
LT16	Bolinger Road	BGC
BGC	Bolinger Road	
5271	Bombay Beach	
BOMB	Bombay Beach	
LBKM	Bonanza King	
BON	Bonds Corner	
BRGC	Borrego Mountain	
BORC	Borrego Springs	
BRP	Bottle Rock Power	
V05C	Boulder Hill, Kettleman City	
BCH	Branch Mountain	
WBMM	Breckenridge Mountain	
C015	Bright Common Fremont	
BRIB	Briones	
SBRN	Brisbane	
BSCP	Brocks Farm	
CBWM	Brookwood Res.	BKC
BKC	Brookwood Reservoir	
ABRM	Brophy Road	
C009	Brunell Drive Oakland	
C064	Brunell Drive Oakland No2	
BTCC	Brunts Corner	
PBYM	Bryson	
CBZL	Buffer Zone	
BL67	Building 67, Lawrence Berkeley Lab, Berkeley, CA	
BL88	Building 88, Lawrence Berkeley Lab, Berkeley, CA	
BTPC	Burnt Peak	
BTL	Butler Peak	
LBCM	Butte Creek Rim	
JBZM	Buzzard Lagoon Road	
BZNA	Buzz No.'s Place	
CBSM	Byron Hot Springs	
CBSNC	Byron Hot Springs, Alameda County	
CTCC	Cactus City	
WCFM	Cactus Flat W	CFWM
CFWM	Cactus Flat West	
WCPM	Cactus Peak W	CPTM
CPTM	Cactus Peak West	
CAD	Cady Mountains	
JCHM	Cahill Ridge	
KCPM	Cahto Peak	
CAHC	Cahuilla Valley	
CALB	Calabasas	
CALM	Calaveras Res.	CVR
CVR	Calaveras Reservoir	
CLTC	Calectric	
CB2	Calero Reservoir	
5053	Calexico	
CCAC	Calif City Airpt	
CALC	California City	
CSH	California State, Hayward	
CLIC	Calipatria	
CLI2	Calipatria 2	
CLS	Calistoga	
M02C	Callahan	
C062	Calle Reynoso Pleasanton	
CPPC	Cal Poly Pomona	
BAKC	Calstate	
CSHM	Cal. St., Hayward	CSH
CBCC	Caltech Broad	
CACC	Caltech Cellar	
GSA	Caltech--GSA	
CRPC	Caltech Rob'n Pit	
CAMC	Camarillo Hills	
PCBM	Cambria	
JBLM	Camp Ben Lomond	
CPE	Camp Elliot	
109C	Camp Elliot, Miramar	
CP-CL	Campo	
CP-	Campo	CP-CL
CPT	Camp Pendleton	
KSXM	Camp Six	
KSXB	Camp Six Broadband	
AN7*	Canada Road	CDC
HCAM	Canada Road	CDC
CDC	Canada Road	
CBKC	Canebrake	
NCFM	Canfield Road	
KCTM	Capetown	
CAPCA	Capra Ranch	
C073	Carlos Bee Bl Hayward	
CVS	Carmenet Vineyards, Sonoma	
CRQB	Carquinez Bridge	
CRR	Carrizo Plain	
CARC	Carrizo Plain	
CRH	Carson Hill	
MCHM	Carson Hill	CRH
CRY	Cary Ranch	
MCBM	Casa Benchmark	
DBOG	Casa Diablo	
MCSM	Casa Diablo Hot Springs	
CASR	Casa Diablo Mountain	
CJV	Casa Juvan	
BCD	Casitas Dam	
BCL	Casitas Lake	
TCAS	Cass Winery, Paso Robles	
LCAM	Castella	
CTM	Castle Mountain	
PCAM	Castle Mt.	CTM
CRC	Castle Rock	
GCRM	Castle Rock Springs	
CTD	Catalina Dam	
CIAC	Catalina I. Airport	
CIU	Catalina Island	
CIS	Catalina Island Airport, Avalon	
NCDM	Cavedale Road	CRD
CRD	Cavedale Road	
CAVC	Cave Mountain	
CED	Cedar Springs	
CSP	Cedar Springs	
CFSC	Central Fire St	
MCEM	Central Site	
C051	Centre Court Alameda	
PCGM	Cerro Alto Campground	
CGO	Cerro Gordo	
KCRM	Chalk Rock	
HCBM	Chamberlain	CBC
CBC	Chamberlain	
GCBM	Chamberlain Ridge	
AN6*	Chase Ranch	CSR
CSR	Chase Ranch	
HCRM	Chase Ranch	CSR
CMH	Chemehuevi Mountains	
JCBM	Chesbro Res.	CBO
CB1	Chesbro Res. 1	ADR
CB3	Chesbro Res. 3	COE
CB4	Chesbro Res. 4	ARN
CB5	Chesbro Res. 5	SVC
CB6	Chesbro Res. 6	CVR
CB8	Chesbro Res. 8	
CBO	Chesbro Reservoir	
O04C	Chester	
BCWM	Chews Ridge	
CCO	Chico	
MCDM	Chidago Canyon	
CFL	Chilao Flats	
CHFC	Chilao Flat Sta	
WCHM	Chimney Peak	
WCGM	China Gardens	CGSM
CGSM	China Gardens South	
CLC	China Lake	
GPO	China Lake	
WCXM	China Lake Receiver Site	
CHNC	Chino	
CH2	Chocolate Mountain	
COT	Chocolate Mountains	
CCRB	Cholame Creek	
PCMM	Cholame Hills	
CVC	Cholame Valley	
CCCA	Chr Cany lake	
C018	Christie Drive Martinez	
XMS	Christmas Canyon	
CHP	Chuchupate	
CCX	Cicese	
AN14*	Cienega Rd	BCGM
BCGM	Cienega Road	
GCK	Clark Valley	
GCVM	Cloverdale	
COA	Coachella	
GCMM	Cobb Mountain	
COE	Coe Ranch	
CCOM	Coe Ranch	COE
CCOB	Coe Ranch Number 3	
OCHM	Cohasset Ridge	
LCMM	Colby Mountain	
GCSM	Cold Spring Mountain	
KCSM	Cold Springs	
CWCR	Coldwater Canyon	
R06C	Coleville	
LCSM	College of the Siskiyous	
SCCM	Colson Canyon	
BCC	Colson Canyon	
CMB	Columbia College	
C011	Colusa Avenue, El Cerrito	
COOC	Compton	
CNC	Concord--Diablo Valley College	
MCVM	Convict Lake	
MCMM	Convict Lake	
CKC	Cook Canyon	
WCOM	Cook Peak	
COK	Cook Ranch	
CPM	Copper Mountain	
MCUM	Copperopolis	
MCUB	Copperopolis Broadband	
HCZM	Cordoza Dairy	
HCOM	Corn Cob Canyon	
CRNC	Corona	
COQ	Corona Quarry	
CSTL	Corral Hollow	
CBHM	Coso Basin North	
WCSM	Coso Springs S	CSSM
CSSM	Coso Springs South	
C003	Cottage Court Castro Valley	
C055	Cottonwood Avenue, Hayward	
CWC	Cottonwood Creek, Lone Pine	
CTW	Cottonwood Mountains	
GCWM	Cow Mountain	
CO2	Coxcomb Mountains 2	
CYD1	Coyote D'meter	
CYH	Coyote Hills	
CCYM	Coyote Hills	
LT8	Coyote Hills	CYH
COY	Coyote Mountain	
JCPM	Coyote Point	
CFT	Crafton Hills	
C035	Crawford Street Concord	
PCCM	Crazy Canyon	
M01C	Crescent City	
LCFM	Crescent Cliff	
CSL	Crestline	
HCPM	Crevison Peak	
CRGC	Crocker Grade	
CCNM	Crow Canyon Rd	CYC
CYC	Crow Canyon Road	
CLKR	Crowley Lake	
XTL	Crystal Lake, Glendora	
PCRM	Curry Mountain	
DLT	Dalton	
CDAL	Dalton Road	
DANC	Danby, Needles	
DAC	Darwin (Calif)	
DPD	Davis Peak	
C022	Davis Street Fremont	
MDCM	Deadman Creek	
DV-	Death Valley	DV-CL
DV-CL	Death Valley	
DSP	Deep Springs	
DLAC	Del Amo	
CL1	Del Valle	CDVM
CDVM	Del Valle	
DHS	Desert Hot Springs	
DREC	Desert Rsrch Ctr	
DSCC	Desert Studies Ctr	
DTP	Desert Tortoise Park	
DVTC	Desert View Tower, Jacumba	
DEVC	Devers	
DVL	Devil Canyon	
DKNM	Devils Kitchen North	
MDPM	Devils Postpile	
MDPB	Devils Postpile Broadband	
C056	Diablo Avenue Hayward	
DCD	Diablo Creek	
DIR	Diamond Ranch	
LDBM	Digger Butte	
AN5*	Dillon Ranch	DIL
DIL	Dillon Ranch	
HDLM	Dillon Ranch	DIL
C070	Dillo Street San Leandro	
MDRNC	Doe Ridge	
PDRM	Domengine Ranch	
DGR	Domenigoni Valley Reservoir	
DJJ	Donna J Jenkins	
DONR	Donner Summit	
CDSM	Don Santos Ranch	
CDOM	Doolan Road	DOO
DOO	Doolan Road	
DPP	Dos Picos Cty Pk	
P01C	Double 8 Ranch, Willits	
DB2	Double Butte	
DBM	Double Mountain	
DHB	Downhole Baldwin Hills	
MDYM	Dry Creek	
GDCM	Dry Creek	
ADWM	Drytown Water District	
DUC	Duarte Ranch	
DTEM	Dunmovintown East	
NDHM	Dunnigan Hills	
DNR	Dunn Ranch,Anza	
CDUM	Durate Ranch	DUC
EADB	Eade Ranch	
T05C	Eagle Field, Dos Palos	
ELFS	Eagle Lake Field Station, Susanville	
EAG	Eagle Mountain	
MEMM	East Mammoth Hills	
EMSC	East Mesa	
C058	Eastshore Drive Alameda	
EWC	East Wide Canyon	
EBP	Ebbets Pass	
ECF	Echo Falls	
RRX	Edison Barstow Service Cntr. Barstow	
EDW2	Edwards Air Force Base 2, Rosamond	
EDW	Edwards Air Force Base,Rosamund	
O01C	Eel River Conservation Camp, Redway	
ECA	El Cajon	
C041	El Campo Drive San Jose	
ECC	El Centro	
JEGM	El Granada	
EKH	Elkhorn Ranch	
BEHM	Elkhorn Ranch	EKH
HERM	Elkhorn Road	
EKR	Elk River	
JELM	Ellicott	
JELB	Ellicott, Santa Cruz County	
ELMC	El Mirage	
EL2	El Mirage 2	
EML	El Monte Cty Pk	
ERRC	Elmore Ranch	
ELRC	Elmore Ranch	
ESGS	El Segundo	
ELS	Elsinore Mountain	
TEJ	El Tejon	
EMB	Emerald Bay	
EFD	Emergency Operations Facility	
EMT	Emmet	
BEMM	Emmet	EMT
LT11	Empire Grade Rd	EGR
EGR	Empire Grade Road	
ERPC	Ernies Place	
C028	Eucalyptus Rd Berkeley	
LT12	Eureka Canyon	EUC
EUC	Eureka Canyon	
JECM	Eureka Canyon	EUC
JECB	Eureka Canyon	
C029	Evergreen Court Danville	
EW2	E Wide Canyon 2	
EXSG	Experiment Station	
FAL	Falling Springs	
NFIM	Farallon Islands	
FARB	Farallon Islands	
FRGC	Fargo Canyon	
KFPM	Farley Peak	
C002	Farnham Drive Newark	
FEA	Feather Falls	
FER	Ferndale	
C050	Festivo Court Fremont	

Code	*Station Name*	*Other*
FHC	Fickle Hill	
AFRM	Fiddyment Ranch	
FIGC	Figueroa Mtn.	
FIL	Fillmore	
C001	Firth Court Fremont	
MFBM	Five Bridges	
C040	Flannery Road San Pablo	
FLSC	Flash Two Peak	
C067	Fleetwood El Sobrante	
HFHM	Flint Hills	
FON	Fontana	
JFP	Foothills Park , Santa Clara County	
FRD	Ford Ranch, Anza	
AFDM	Forest Hills Divide	
AFHM	Forest Hill Site	
C007	Forest Lane Berkeley	
AN2*	Forsythe	
FMA	Fort MacArthur	
FMP	Fort Macarthur Park, San Pedro	
FTR	Fort Ross	
FTC	Fort Tejon	
FOXC	Fox Airport	
FOX	Fox Creek	
FNF	Frandzen Federal Estate	
HFPM	Fremont Peak	FRP
FRP	Fremont Peak	
FRE	Fresno	
FRI	Friant	
FRK	Frink	
FROB	Froelich Ranch	
FULC	Fullerton	
FLAS	Fullerton Airport	
FUM	Fumarole	
FMT	Funeral Mountains	
GFC	Funks Creek	
FURC	Furnace Creek,Death Valley	
GALC	Galileo	
LGMM	Garner Mountain	
GVDA	Garner Valley	
GVRC	Garvey Reservoir	
CGPM	Gavin Park	
GGPM	Geyser Peak	
GDXM	Geysers	
GHS	Gilroy Hot Springs	
HGSM	Gilroy Springs	GHS
HGWM	Gilroy West	
GLA	Glamis	
C033	Glashaus Lp Emeryville	
GAV	Glen Avon	
C012	Glenmawr Avenue, El Cerrito	
GGLM	Glenview	
GATR	Gnd/Air Tx Cntr	
GTM	Goat Mountain	
C025	Golden Eagle Way Pleasanton	
GHIB	Gold Hill	
GHC	Gold Hill	
PK1	Gold Hill	GHC
PGHM	Gold Hill	GHC
AGIM	Gold Rush Inn	
GSC	Goldstone, Barstow	
C034	Goodrich Way Fremont	
PGWM	Grace West	
GCC	Granite Creek	
GMRC	Granite Mountains Research Center, Essex	
GRP	Granite Pass	
LGPM	Granite Peak	
GVN	Grapevine	
GRAC	Grapevine Ranger Station, Death Valley	
MGPM	Gravel Pit	
LGBM	Gray Butte	
GORC	Green Oak Ranch	
VSTC	Green Oak Ranch, Vista	
GVR	Green Valley Road	
DECC	Green Verdugo Microwave Site, Sunland	
GWY	Greenwater Valley	
GWV	Greenwater Valley	
LGRM	Grenada	
GR2C	Griffith Obs. 2	
GOC	Griffith Observatory	
GFP	Griffith Park	
LGHM	Grouse Hill	
KGMM	Grouse Mountain	
GGUM	Gualala	
AHDM	Hacienda Drive	
HAI	Haiwee	
HWSM	Haiwee Spring South	
WHSM	Haiwe Spring S	HWSM
GHOM	Hamilton Opening	
HMR	Hamilton Ranch	
WHFM	Hanning Flat	
HWB	Hans Werner Braun Residence, San Diego	
PHAM	Harlan Ranch	
AHRM	Harold F. Ross	
HRC	Harris Ranch	
HAST	Hastings Reserve	
BHSM	Hastings State Park	
LHCM	Hat Creek	
HATC	Hat Creek Radio Observatory, Hat Creek	
C063	Havenscourt Bl Oakland	
WHVM	Havilah	
HAV	Havilah	
C045	Hawkins Drive San Ramon	
HAY	Hayfield	
KHBM	Hayfork Bally	
HYS	Haystack Butte	
NHBM	Healdsburg	
PHCM	Hearst Castle	
HEC	Hector,Ludlow	
C057	Hedge Avenue Brentwood	
PHFM	Heflinger Ranch	
HMTC	Hemet	
HERB	Hercules	
LHEM	Herd Peak	
U04C	Hernandez Reservoir, Idria	
PHRM	Hernandez Valley	HVC
HVC	Hernandez Valley	
PHSM	Hesperia	
PHSB	Hesperia Broadband	
HDB	Hidalgo Marine Base	
HDG	Hidalgo Mountain	
MHDM	Hidden Dam	
C066	Highgate Road Kensington	
LHHM	High Hole Crater	
HLNC	Highland	
GHLM	Highland Springs	
GHVM	High Valley	
HTCR	Hilton Creek	
LHMM	Hirz Mountain	
LHOM	Hoadley Peaks	
HBM	Hobart Mills	
HBT	Hobart Mills	
HOD	Hodge	
BHRM	Hodges Ranch	
GHGM	Hogback Ridge	
PHGM	Hog Canyon	
HOLC	Holcomb Ridge	
JHLM	Holstrom Ranch	
5054	Holtville Bonds Crnr Olima	
HCC	Holy Cross	
OHCM	Honcut	
PHPM	Hope Ranch	
HOPS	Hopland Field Station, Hopland	
KHMM	Horse Mountain	
HOT	Hot Springs Mountain	
GHCM	House Creek	
JHPM	Huddart Park	
JHUM	Huhtala Lane, Santa Cruz County	
GHMM	Hull Mountain	
HBW	Humming Bird West	
V03C	Hunter Liggett MR Jolon	
PHBM	Huron Fishing Bridge	
C038	Hutchings Drive San Leandro	
IBP	Imperial Boulder Park, Ocotillo	
IND	Independence	
PIVM	Indian Valley	
INDC	Indio Hills	
S04C	Ingram Canyon, Westley	
ING	Ingram Ranch	
IKP	In-Ko-Pah, Jacumba	
INS	Inspiration	
IRS	Iris	
IRC	Iron Canyon	
IR2C	Iron Canyon	
NIMB	Iron Mountain	
IRM	Iron Mountain Pumping Sta,Desert Center	
IRN	Iron Mountains	
KIPM	Iron Peak	
ISA	Isabella, Lake Isabella	
PIRM	Iverson Ranch	
JCC	Jacoby Creek, Bayside	
JAS	Jamestown	
JAS1	Jamestown	
JRSC	Jasper Ridge	
JCNB	Joaquin Canyon North	
JCSB	Joaquin Canyon South	
JJRM	Joaquin Road	
KJJM	Johnny Jack Ridge	
HJSM	John Smith Road	
AN15*	Johnson Can.	JHC
BJCM	Johnson Can.	JHC
JHC	Johnson Canyon	
WJPM	Johns Peak	
PJRM	Jolon Road	JOL
JOL	Jolon Road	
JFS	Joseph F. Staten	
JRC2	Joshua Ridge	
JRWM	Joshua Ridge West	
JTR	Joshua Tree Park	
SNDA	J Saunders Place	
JULC	Julian	
JNH	Juniper Hills	
PJUM	Juniper Ridge	
C042	Juniper Way Moraga	
KCC	Kaiser Creek	
KPK	Kanaka Peak	
KEE	Keen Camp Maintenance Station	
C026	Kell Court Alamo	
KFC	Kentfield	
WKTM	Kern-Tulare	
PKLM	Kerr Lake	
KKPM	Kettenpom Peak	
PKEM	Kettleman Hills	
KYP	Key Point	
HKRM	Kincaid Ranch	
KRC	King Ranch	
R05C	Kirkwood Meadows Resort, Kirkwood	
KNO	Knox Ranch	
KBY	Kobayashi Ranch	
KM-CL	Kramer	
KM-	Kramer	KM-CL
KBF	Kyburz Flat	
LCGC	La Cienega, Culver City	
LPC	La Cumbre Peak	
BLG	Laguna Peak, Port Hueneme	
LT5	La Honda	
LJC	La Jolla	
CLCM	Lake Chabot	LKC
CLCB	Lake Chabot	
LKC	Lake Chabot	
NLHM	Lake Herman	
LHU	Lake Hughes	
J061	Lakeshore Drive, S. Francisco	
LGC	Lakewood Golf Course	
C060	Lambert Place Union City	
LANC	Lancaster	
LAC	Landers	
LDFC	Landfair	
LAQC	La Quinta	
LCH	Last Change Range	
ALAM	Latrobe	
LRCG	Laurel Creek	
MLCM	Laurel Creek Canyon	
JLAM	Laurel Hill	
JLAB	Laurel Hill	
LRMC	Laurel Mtn Radio Fac, Ridgecrest	
LAVA	Lava Cap Winery, Placerville	
LAVC	Lavic	
C027	Lawnview Circle Danville	
ADIT	Lawson Adit, UC Berkeley, California	
LED	Lead Mountain	
R07C	Lee Vining	
WLPM	Leibel Peak	
LEOC	Leona Valley	
BLRM	Lewis Ranch	
JLXM	Lexington Res.	LXR
LXR	Lexington Reservoir	
M06C	Likely Place Golf, Likely	
ALNM	Lincoln	
Q04C	Lincoln	
MLIM	Lincoln Peak	
LOC	Lincoln School	
HLPM	Lions Peak	
LITR	Litchfield	
LCCB	Little Cholame Creek	
LTC	Little Chuckwalla Mountains	
WLHM	Little Horse	
MLHM	Little Hot Creek	
LTM	Little Maria Mountains	
LMHM	Little Mount Hoffman	
BRVM	Little Rabbit V.	LRV
LRV	Little Rabbit Valley	
LRRC	Littlerock Reservoir	
C006	Lk Pillsbury D Fremont	
LLA	Llanada	
LLAC	Llano	
LOK	Lockwood Valley	
JLPM	Loma Prieta	
LOMS	Lomita	
BLP	Lompoc	
PLOM	Lone Oak Road	LRC
LRC	Lone Oak Road	
LN9	Lone Pine	
LTR	Lone Tree Road	
HLTM	Lone Tree Road	LTR
C016	Longford Drive San Jose	
M05C	Lookout	
LMCR	Lookout Mountain	
LMS	Lookout Mountain Observatory	
LMO	Lookout Mountain Observatory	
LNAS	Los Alamitos	
LCM	Los Angeles Museum of Natural History	
LSDC	Los Osos Digital	
JLTM	Los Trancos	LTW
JTRM	Los Trancos Road	
LTW	Los Trancos Woods	
LJB	Lovejoy Buttes	
LOY	Loyalton	
LUL	Lundy Lake	
M04C	Macdoel	
MGL	Magalia	
KMRM	Mail Ridge	
C044	Maitland Drive Alameda	
MLKM	Mammoth Lakes	
MMLB	Mammoth Lakes Knolls	
MLAC	Mammoth, Mammoth Lakes	
MMPM	Mammoth Pass	
MMSM	Mammoth Summit	
C005	Mandana Bl Oakland	
MPMC	Manual Prospect Mine,Trona	
LMEM	Manzanita Entrance	
LMZM	Manzanita Lake	
MLC	Manzanita Lake	
MCA	Marble Canyon	
MCCM	Marconi Conference Center, Marshall	
MARC	Maricopa	
MHDL	Marin Headlands	
MAC	Mark West Springs	
NMWM	Mark W Springs	MAC
MIRC	Martinez Indian Reservation	
MPK	Martis Peak	
MV-	Marysville	MV-CL
MV-CL	Marysville	
PMRM	Maxey Ranch	
GMMM	Mayacamas Mountains	
C032	McCall Drive, Benicia	
M03C	McCloud	
MFSM	McCloud Flat S	MFS
MFS	McCloud Flat South	
C031	McGee Avenue Berkeley	
MGNR	McGee Canyon	
HOME	McLaughlin Mine	
MNRC	McLaughlin Mine	
GMCM	McLaughlin Ranch	
PMCM	McMillan Canyon	
BMCM	McPhails Peak	
PKM	Mcpherson Peak, Los Olivos	
C021	Meadowview Drive Castro Valley	
MECC	Mecca Hills	
LMDM	Medicine Lake	
JMPM	Menlo Park	
MOB	Menlo Park	
LT7	Menlo Park	MOB
S05C	Merced	
BMSM	Mercy Hot Springs	
MYIG	Merida	
C036	Merkley Row, San Jose	
MMIM	Miami Mountain	
MMNB	Middle Mountain	
NMTM	Middletown	
CMPM	Mikes Peak	
JMGM	Milagra Ridge	MGA
MGA	Milagra Ridge	
LMPM	Military Pass	
MILG	Mill City	
MLL	Mill Creek	
NMCNC	Mill Creek, Sonoma County	
T06C	Millerton Lake Dam, Friant	
CMCM	Mills College	
MLNR	Milner Canyon	
MINS	Minaret Summit	
MIN	Mineral	
MNR	Mines Road	
CMRM	Mines Road	MNR
CMNM	Mines Road	
CL2	Mines Road	CMNM
CB9	Mines Road	MNR
MLSC	Mira Loma	
MSJ	Mission San Jose	
CMJM	Mission San Jose	MSJ
HELL	Mitchell Peak, Miramonte	
MMWM	Mi Wuk Village	
NMXM	Mix Canyon Road	MIX
MIX	Mix Canyon Road	
C068	Mocine Avenue Hayward	
MOD	Modoc Plateau	
GMOM	Moffitt Ranch	
MRD	Mojave River Dam	
PMPB	Monarch Peak	
PMPM	Monarch Peak	MOP
MOP	Monarch Peak	
MCCR	Mono Craters	
MCRR	Mono Craters	
ML4CL	Mono Lake	
ML1CL	Mono Lake	
ML2CL	Mono Lake	
ML4	Mono Lake	ML4CL
ML1	Mono Lake	ML1CL
ML3CL	Mono Lake	
ML2	Mono Lake	ML2CL
ML3	Mono Lake	ML3CL
MONR	Mono Valley	
B040	Montague	
MTB	Montebello Ridge	
MTR	Monterey	
HMOM	Monterey	MTR
MOBB	Monterey Bay OB	
MONP	Monument Peak, Mt. Laguna	
MONP2	Monument Peak TA Vault, Mt. Laguna	
LT17	Morgan Territory	MTC
CMOB	Morgan Territory	
MTC	Morgan Territory	
CMOM	Morgan Territory	MTC
MRVC	Morongo Valley	
ABL	Mount Abel	
BFSC	Mount Baldy Ranger Station	
MBUM	Mount Bullion	
MDA	Mount Davis	
MDC	Mount Diablo	
MHC	Mount Hamilton	
MHR	Mount Hamilton Road	
LHKM	Mount Harkness	
BMHM	Mount Harlan	
BJOM	Mount Johnson	
GMKM	Mount Konoctai	
LAS	Mount Lassen	
CMLM	Mount Lewis	
PMLM	Mount Lospe	
CMMM	Mount Mocho	
OLYC	Mount Olympus	
COSM	Mount Oso	
KMPM	Mount Pierce	
MPI	Mount Pinos, Frazier Park	
SHC	Mount Saint Helena	
NMHM	Mount Saint Helena	
NHSM	Mount Saint Helena South	
SGL	Mount Signal	
NTPM	Mount Tamalpais	
JUMM	Mount Umunhum	
MWC	Mount Wilson	
O02D	Mt. Diablo Meridian	
CB10	Mt Hamilton Road	MHR
NHMM	Mt Hamilton Road	HMR
CMHM	Mt Hamilton Road	MHR
MURC	Murrieta	
C037	N 15th Street San Jose	
C046	N 16th Street San Jose	
GNAM	Navarro Ridge	
NEE	Needles	
ND-	Needles	ND-CL
ND-CL	Needles	
NEE2	Needles Airport, Needles	
NEG	NEGU Pad	
JNAM	New Almaden Mine	
MNHB	New Hogan Dam	
MNHM	New Hogan Reservoir	
NW2	New River	
CNIC	Niles Canyon	
WNMM	Nine Mile Canyon	NMC
NMC	Nine Mile Canyon	
NJQ	Nojoqui County Park, Las Cruces	
NOP	Nopah Range	
CNCM	Norris Canyon Road	
HLLC	North Hollywood	
NOCG	North-of-Casa	
WOFM	Oak Flat	
OAT	Oat Mountain	
OBB	Obsidian Butte	
MOYM	O'Byrne Ferry	
OBS	Ocean Bottom Seismometer	
OCR	O'Connell Ranch	
HORM	O'Connell Ranch	OCR
OHLN	Ohlone	
OMM	Old Mammoth Mine	
OMMB	Old Mammoth Mine - surface	
NOLM	Olema	
OLC	Olema	NOLM
WORM	Onyx Ranch	
AOHM	Oregon House	
ORCC	Oricopia Mountain	
KOMM	Orleans Mountain	
ORV	Oroville	
OSI	Osito Audit: Castaic Lake Dam, Castaic	
AODM	Outingdale	
ORC	Owens River	
OXMT	Ox Mountain	
HPLM	Pacheco Lake	PCL
AN4*	Pacheco Lake	PCL
PCL	Pacheco Lake	
HPCM	Pacheco Lake	
PACP	Pacheco Peak	
C049	Pacific Avenue Alameda	
PAM	Palermo	
PMD	Palm Desert	
PSP	Palm Springs	
PAC	Palo Alto--Branner	
PLM	Palomar	
LT18	Palomares Rd	PLC

Code	*Station Name*	*Other*
CPLM	Palomares Road	
PLC	Palomares Road	
PVR	Palos Verdes	
PVPS	Palos Verdes	
PVRC	Palos Verdes	
PANV	Panamint Range	
PGE	Panamint Range	
C043	Panoramic Way, Berkeley	
PRS	Paraiso	
PDE	Pardee, Santa Clarita	
PKD1	Parkfield	
PKF	Parkfield Array	
PPFM	Parkfield Array	PKF
HPHM	Park Hill	PKH
PKH	Park Hill	
PAS	Pasadena	
PASC	Pasadena Art Cn	
PPRM	Paso Robles	
PWTG	Paul Wright Trailer	
O03E	Paynes Creek	
O03D	Paynes Creek	
PTV	Peach Tree Valley	
PPTM	Peach Tree Valley	PTV
AN8*	Peckham Road	PKC
PKC	Peckham Road	
HPRM	Peckham Road	PKC
PEC	Perris	
PRR	Perris	
PSD	Pescadero	
JPC	Peters Creek, San Mateo County	
BPFM	Pfieffer Point	
PIC	Picacho Peak	
KPPM	Pickett Peak	
PCC	Pilarcitos Creek	
PLT	Pilot Knob	
PNC	Pine Canyon	
BPCM	Pine Canyon	
BPCNC	Pine Canyon	
AN1*	Pine Canyon	PNC
PFR	Pine Flat Road	
PEM	Pine Mountain	
GPMM	Pine Mountain	
BPIM	Pinnacles	
CPIM	Pinole Ridge	
XPFO	Pinon Flat	
I57US	PINON FLAT INFRASONIC ARRAY REFERENCE POINT	
TPFO	Pinon Flats	
PNMC	Pinto Mountains	
PFO	Pinyon Flats Observatory	
BPPM	Pinyon Peak	
PPK	Piper Mountain	
PIU	Piute Mountains	
PZC	Pizona Creek	
GFTM	Plant 15--Mercuryville	
CPNM	Pleasanton	
PEV	Pleasant Valley	
JPLM	Pleasant Valley	PEV
PLEC	Pleito Hills	
GAFM	Point Arena AFB	
PT2	Point Dume	
CPMM	Point Molate	
NPRM	Point Reyes	
PRC	Point Reyes	
PSUR	Point Sur Hydrophone	
POCCA	Poleta Canyon	
POB	Polly Butte	
PCF	Pomona	
POM	Pomona	
BPRM	Ponciano Ridge	
C065	Ponderosa El Sobrante	
LPDM	Pondosa	
APRM	Poppy Hill Road	
JPPM	Portola Park	LT3
LT3	Portola State Park	
PPO	Portuguese Canyon 2	
C048	Posada Way Fremont	
BPOM	Post Ranch	
POTR	Potrero Hills, Fairfield	
CB7	Poverty Ridge	
RDG13	Poverty Ridge 1, Station 3	
JPRM	Presidio of San Francisco	
PRI	Priest	
TRAM	Private Property, Shandon	
TSCN	Private Property, Shandon	
PSRC	Puddingstone Reservoir	
PYR	Pyramid	
C059	Quail Canyon Rd San Jose	
QAL	Quail Lake	
QSM	Queen of Sheba Mine	
AN13*	Quien Sabe	QSR
HQRH	Quien Sabe	QSR
QSR	Quien Sabe Ranch	
O05C	Quincy	
KRKM	Rackout Springs	
MRFM	Railroad Flat South	
RAMR	Ramage Ranch	
V04C	Ramage Ranch, Paso Robles	
LCL	Rancho Los Cerritos	
GRNM	Rancho Navarro	
RPV	Rancho Palos Verdes	
ORAM	Rattlesnake Point	
RAY	Raywood Flat	
RMNB	Reason Mountain	
RCH	Reche Mountain	
RCP2	Recreation Park	
RCTC	Rector, Farmersville	
O02C	Red Bluff	
MRDM	Red Cones	
LRDM	Redding Peak	
KRMB	Red Mountain	
KRMM	Red Mountain	
MRCM	Red Rock Canyon	
JRRM	Redwood Retreat	
C052	Regaby Place Court San Jose	
WRCM	Renegade Can. W	RCWM
RCWM	Renegade Canyon West	
RYS	Reyes Peak	
C020	Rhoda Avenue Oakland	
ARWM	Richard P. Wilkes Bridge	
RFSB	Richmond Field	
RSRB	Richmond-San Rafael	
ARRM	Rickey Ranch	
RMR	Rimrock	
RVM	Rio Vista Mine	
RVR	Riverside	
RSBC	Riverside Borehole	
RVS	Riverside Mountains	
PRCM	Roach Canyon	
ARJM	Robert W. Jensen	
RCCR	Rock Creek Canyon	
MRHM	Rocky Hill	
JRGM	Rodeo Gulch Road	
KRPM	Rodgers	
ROD	Rodman Mountain	
BRMM	Rolling Bench Mark	
RHC	Rose Hills Cemetery, Whittier	
RSE	Rose Pump	
RVCM	Rose Valley Central	
WRVM	Rose V. Central	RVCM
C069	Rotal Creek Pleasanton	
CRHM	Round Hill Res.	
GRMM	Round Mountain	
RDM	Round Mountain	
RMT	Round Mountain	
GROM	Round Mountain	
GRTM	Round Top Mountain	
RUBR	Rubicon Trail	
RGP	Ruby Glebe Property	
CRPM	Russellman Park	
CRPB	Russellman Park	
C047	Rutherford Drive Danville	
RUN	Ruthven	
SACC	Sacramento, California	
SBB	Saddle Back Butte	
SBKC	Saddleback Mountain	
SADC	Saddle Peak	
LSHM	Sage Hen Hill	
HSFM	Saint Francis Retreat	
NSHM	Saint Helena Road	
SJH	Saint Joseph Seminary	
JJOM	Saint Joseph's Hill	
SMCB	Saint Mary's College	
SVIN	Saint Vincent's CYO School for Boys, San Rafael	
AN12*	Salinas Radio	SRC
BSRM	Salinas Radio Site	
SRC	Salinas Radio Site	
SDLC	Saltdale	
SLTC	Salton Sea Test Base	
SLVP	Salvation Pass	
SWSC	Sam W. Stewart, Westmorland	
JSAM	San Andreas	SAC
SAC	San Andreas	
SAO	San Andreas Geological Observatory	
LT9	San Andreas Lake	
JSLM	San Andreas Lake	
PANM	San Antonio Reservoir	
PSAM	San Ardo	
SBT	San Benito	
BBNM	San Benito	SBT
SBVC	San Bernardino Valley	
JSBM	San Bruno Mountain	
SCI	San Clemente Island	
SCI2	San Clemente Island 2	
SNDC	Sand Canyon	
CSAM	Sandia	
SDC	San Diego	
SND	San Diego	
SDRC	San Diego Road Dept, El Cajon	
SFL	San Felipe	
HFEM	San Felipe	SFL
SFC	San Francisco	
FRCO	San Francisco	
SFB	San Francisco	
SFM	San Francisco	
S06C	San Francisco Camp Mather, Mather	
SFR	San Francisco--Rincon	
SJQ	San Joaquin Reservoir	
HBTM	San Juan Bautista	
AN3*	San Juan Grade	HJGM
HJGM	San Juan Grade	
CSLM	San Leandro Hills	
SCKWR	San Luis Creek Check 11 ,Merced County	
HSLM	San Luis Dam	
SLD	San Luis Dam	
SFJWR	San Luis Fatjo Ranch, Merced County	
BSM	San Miguel Island	
SNCC	San Nicolas Island	
SNC	San Nicolas Island	
BSN	San Nicolas Island	
SNS	San Onofre	
ZSP	San Pablo Dam	
CSPM	San Pablo Ridge	
SPH	San Pedro Hill	
CRAM	San Ramon	
SS2	San Sevaine	
SANC	Santa Ana	
SBC	Santa Barbara	
SBI	Santa Barbara Island	
CIW	Santa Catalina Island West	
STCC	Santa Clara	
SCL	Santa Clara	
SCCB	Santa Clara County Offices	
SCC	Santa Cruz	
SCZ	Santa Cruz	
HUG01	Santa Cruz, CA USA	
BSC	Santa Cruz Island	
SCZ2	Santa Cruz Island 2	
PMGM	Santa Margarita	
SME	Santa Rosa Mine	
SMO	Santa Rosa Mountain	
JSTM	Santa Teresa Hills	
SYP	Santa Ynez Peak	
SYS	San Ysidro	
SGC	Saratoga Golf Course	
JSGM	Saratoga Golf Course	SGC
SWM	Sawmill	
JSMM	Sawmill Road	
MAGC	SCE Magundon Plant	
SNR	Schaffner Ranch	
SCHCA	Scheelite	
PSRM	Scobie Ranch	
STTC	Scott Ranch	
SNT	Sears Point	
PSEM	See Canyon	
GSGM	Seigler Mountain	
C039	Semillon Drive Fremont	
SVD	Seven Oaks Dam	
C017	S Grimmer Bl Fremont	
TCHL	Shandon	
PSHM	Shandon	
SHS	Shasta Dam	
HSPM	Sheep	
SHH	Sheep Hole Mountains	
TSCS	Shell Creek South, Shandon	
SWNG	Sheriff Wilson	
MSLM	Sherwin Lakes	
KSPM	Sherwood Peak	
SPM	Ship Mountains	
SHG	Shirttail Gulch	
BSGM	Shirttail Gulch	SHG
WSCM	Short Canyon	
SHOC	Shoshone, Tecopa	
SDW	Sidewinder Mine	
BSLM	Silva Ranch	
CSCM	Silver Creek	SVC
SVC	Silver Creek	
SIL	Silver Peak	
SI2	Simi Peak	
SMMC	Simmler	
SKG	Skaggs Springs	
GSSM	Skaggs Springs	SKG
ASMM	Slate Mountain	
KSMM	Slide Mountain	
ASRM	Slough House Road	
PSMM	Smith Mountain	
SRTC	Snort	
GSNM	Snow Mountain	
GSMM	Socrates Mine	
SOS	Soda Springs	
JSSM	Soda Springs	SOS
SLBC	Solana Beach	
BSMM	Soledad Mission	
BOOC	South Base Booster	
THIS	South End of Cholame Valley, Shandon	
SGV	South Grapevine Mountains	
LSLM	South Lassen	
WSHM	Spangler Hills	
C008	Spokane Avenue Albany	
SPG2	Springville 2	
SQK	Squaw Creek	
TIT	Squaw Tit	
STAN	Stanford	
LT4	Stanford	SFT
JSFM	Stanford	SFT
SFT	Stanford Telescope	
JSFB	Stanford Telescope, Santa Clara County	
MSTM	Stent	
STP	Stepladder Mountains	
SEC	Stevens Creek	
LT1	Stevens Creek	SEC
JSCM	Stevens Creek	SEC
OSTM	Stimpson Lane	
LT2	St Joseph	SJH
JSJM	St Joseph	SJH
SMNB	Stockdale Mountain	
PSTM	Stockdale Mountain	
BSCM	Stone Canyon	
SCYB	Stone Canyon	
STC	Stone Canyon Observatory	
SCY	Stone Canyon Reservoir	
PSNM	Stone Corral	
CSVM	Stone Valley	
C019	St Phillip Court Concord	
SDP	Sudden Peak, Lompoc	
SMWM	Sugarloaf Mountain West	
SB4	Sulfur Bank	
C010	Sunflower Court Concord	
CSU1	Sunol Dilatometer	
SSK	Sunset Peak	
SUP	Superstition Mountain	
SMTC	Superstition Mountain	
SUTB	Sutter Butte	
OSUM	Sutter Buttes	
C004	Swainland Road, Oakland	
BSBM	Swanson's Bluff	
TMC	Table Mountain	
OTBM	Table Mountain	
TF-	Taft	TF-CL
TF-CL	Taft	
TAHR	Tahoe	
PTAM	Tassajara Creek	
NTYM	Taylor	
CTAM	Taylor	
CTFL	Taylor Farm	
NTMM	Taylor Mountain	
TRC	Taylor Ranch	
PTYM	Taylor Ranch	TRC
PK3	Taylor Ranch	TRC
C023	Technology Drive Fremont	
THC	Tehachapi Microwave	
TJR	Tejon Ranch	
TMB	Temblor Range Southeast	
CTHM	Terry Harris R'ch	
CTLM	Tesla Road	
KTRM	Thompson Ridge	
SATS	Thornton Park	
GTC	Three Chop Ridge	
THRC	Three Sisters	
LTIM	Timbered Crater	
TIN	Tinemaha, Big Pine	
TNK	Tinkers Knob	
TMO	Tin Mountain	
NTBM	Tomales Bay	
TOW	Tower One	
TPRS	Tripped Ranch	
TPO	Tropico Hills	
GTSM	Trough Springs	
JTGM	Trout Gulch Road	
MTUM	Tungsten Hills	
TCC	Turnbull Canyon	
TUQ	Turquoise Mountain, Baker	
TTM	Turtle Mountains	
LTCM	Tuscan Springs	
HTUM	Tustin Road	
TN-CL	Twentynine Palms	
TPC	Twentynine Palms	
TWL	Twin Lakes	
TWN	Twin Peaks	
TRAY	Twisselman Ranch, Shandon	
PTRM	Twissleman Ranch	
UKI	Ukiah	
JUCM	University of California, Santa Cruz	
CMSB	University of California Stadium	
USC	University of Southern California	
C014	Upland Way Hayward	
VPDC	Valencia Peak Digital	
CVLM	Vallecito	
C054	Valleyhaven Way San Jose	
VOG	Valley Oaks Golf Course, Visalia	
AVRM	Valley Road Site	
GVV	Valley View	
OGOM	Van Goodin Ranch	
VARB	Varian Well	
VPK	Verdi Peak	
VES	Vestal, Richgrove	
CVAL	Veterans Administration Hospital	
C071	Via Corta San Lorenzo	
VTV	Victorville	
VPD	Villa Park Dam	
BVYM	Vineyard	
VIN	Vineyard	
PVCM	Vineyard Canyon	
VCAB	Vineyard Canyon	
VIT	Vineyard--Telemeter	
VG2	Vista Grande	
WVPM	Volcano Peak E	VPEM
VPEM	Volcano Peak East	
CVPM	Vollmer Peak	
WWPM	Walker Pass	
GWKM	Walker Ridge	
WKC2	Walker Ridge	
WKC	Walker Ridge	
WSP	Warm Springs	
WTT2	Watts, South Gate	
WENL	Wente Vineyards, Livermore	
PWMM	Westland Maintenance Station	
WML	Westmorland	
U05C	Westside ANR, Five Points	
WESC	Westside School	
WERC	Wheeler Ridge	
WH2	Whipple Mountains 2	
WDC	Whiskeytown Dam	
S08C	White Mtn Res Sta-Crooked Creek, Bishop	
WWR	Whitewater	
WLK	Wiest Lake	
WRC	Williams Ranch	
Q03C	Winters	
WIS	Wister	
GWRM	Wonder Ranch	
LT6	Woodside	WDS
JWSM	Woodside	WDS
WDS	Woodside	
WDY	Woody	
PK2	Work Ranch	WKR
PWKM	Work Ranch	WKR
WKR	Work Ranch	
NWRM	Wright Ranch	
OWAM	Wyandotte	OWYM
OWYM	Wyandotte	
YAQ	Yaqui Meadows	
YEG	Yeguas Mountain	
YBIB	Yerba Buena Island	
CYBM	Yerba Buena Island	
MYLM	Yosemite Lake	
YR-CL	Yreka	
YR-	Yreka	YR-CL
YBH	Yreka Blue Horn Mine, Yreka	
P05C	Yuba Gap, Truckee	
YUH	Yuha Desert	
NFRM		FTR
NMCM		NMC
NGVM		GVR
NLNM		LOC
NSPM		SNT
WMD		
HQRM		QSR
JPSM		PSD
Caribbean Sea		
GTBY	Guantanamo Bay	
SDDR	Presa de Sabaneta	
Colorado		
S22A	4UR Ranch, Creede	
N27A	Anderson Farm, Haxtun	
R26A	Arlington	
Q25A	Bedland, Calhan	
O27A	Beecher Island, Eckley	
N21A	Black Mountain, Craig	
PV22	Blue Mesa, Paradox Valley	
BOU	Boulder	
BDC	Boulder	
BO1	Boulder	
T27A	Campo	
PV23	Carpenter Ridge	
N24A	Carr	
T23A	Casias Ranch, Antonito	
CECO	Cedaredge	
R21A	Cimarron	
S21A	Coal Bank Pass, Durango	
CMCO	Colorado Mnmt	
T26A	Comanche National Grassland Park, Kim	
PV21	Cone Mtn., Paradox Valley	
CGC	Craig	
Q22A	Crested Butte, Gunnison	
P19A	Cripple Cowboy Ranch, Baxter Pass	
PV11	David Mesa, Paradox Valley	
P26A	Davis Ranch, Arriba	
P20A	De Beque	

Code	Station Name	Other
DEN	Denver	
DER	Derby	
S20A	Disappointment Valley, Cahone	
Q24A	Divide	
DR-CO	Durango	
DGC	Durango	
DR-	Durango	DR-CO
R27A	Eads	
P22A	Eagle	
EGC	Eagle	
PV17	East Wray Mesa	
T22A	Edith	
P27A	Ficken Ranch, Kirk	
R25A	Fountain Ranch, Boone	
FK-	Franktown	FK-CO
FK-CO	Franktown	
GACO	Gateway	
GLD	Golden	
GOL	Golden	
GJC	Grand Junction	
SDCO	Great Sand Dunes National Park	
N25A	Grover	
Q23A	Hartsel	
HDQ	Headquarters	
HLR	Highland Ranch	
O26A	Horse Wrangler Ranch, Akron	
S24A	Houchin Ranch, La Veta	
Q26A	Hugo	
ISCO	Idaho Springs	
P23A	Jefferson	
KSCO	Kaye Shedlock's, Cheyenne Wells	
S26A	Kim	
N26A	Koester Ranch, Padroni	
P24A	Kohler Place, Littleton	
O22A	Kremmling	
O23A	Lake Granby, Granby	
Q21A	Lamborn Mesa, Paonia	
S27A	Las Animas	
PV14	Lion Creek, Paradox Valley	
O24A	Longmont	
LSI02	Los Alamos Infrasonic Array Site 2	
HGTCO	Madrid Canyon Road, Trinidad	
MSCO	Mesa State College	
MVCO	Mesa Verde	
R23A	Moffat	
MRC	Montrose	
PV19	Morning Glory Mine	
P21A	Newcastle	
S23A	Nye Farm, Monte Vista	
PV16	Nyswonger Mesa	
OMCO	Orchard Mesa	
O21A	Pagoda	
PGS	Pagosa Springs	
PV15	Paradox Valley	
PV02	Paradox Valley	
PV05	Paradox Valley	
PV03	Paradox Valley	
PV10	Paradox Valley	
PV08	Paradox Valley	
PV01	Paradox Valley	
PV09	Paradox Valley	
PV07	Paradox Valley	
PV04	Paradox Valley	
PV06	Paradox Valley	
PMC	Poorman Mine	
PV13	Radium Mtn., Paradox Valley	
RGC	Rangely	
N23A	Red Feather Lakes	
R20A	Redvale	
Q20A	Ridgley Place, Grand Junction	
RW5	Ridgway	
RW2	Ridgway	
RW4	Ridgway	
RW3	Ridgway	
RW1	Ridgway	
RW6	Ridgway	
RBC	Rio Blanco	
S25A	Robets Cordova Ranch, Walsenberg	
R22A	Saguache, Gunnison	
R24A	Sanders Place, Florence	
T24B	San Luis	
PV12	Saucer Basin, Paradox Valley	
PV18	Skein Mesa, Paradox Valley	
SMCO	Snowmass	
SMC	Somerset	
SIG	South Ingalls	
N20A	Spence Gulch, Sunbeam	
MHTCO	State Highway 12, Trinidad	
T24A	Torres, Weston	
T25A	Trinidad	
TJC	Trinidad (USA)	
TDC	Trinidad (USA)	
T28A	Walsh	
WTC	Waterton	
N22A	Wattenberg Ranch, Walden	
PV20	West Nyswonger Mesa	
O20A	White River City	
O25A	Wiggins	
P25A	Willow Gulch Bison Ranch, Deer Trail	
Connecticut		
APT	Avery Point	
BPT	Bridgeport	
BCT	Brookfield	
BRYW	Bryant College	
CPL	Chaplin	
ECT	Ellsworth	
M63A	Gales Ferry	
HDM	Haddam	
M62A	Hamden	
HAR	Hartford	
KSCT	Kent School, Kent	
LSCT	Lakeside	
MD1	Moodus	
MD5	Moodus	
MD2	Moodus	
MD3	Moodus	
MD4	Moodus	
NHC	New Haven	
NSC	North Stonington	
L62A	Suffield	
TMT	Talcott Mountain	
UCCT	U. Connecticut	
UCT	University of Connecticut	
WSPT	Westport, CT	
YLE	Yale	
Delaware		
BVD	Bellevue State Park	
BBD	Blackbird State Forest	
BWD	Brandywine Creek State Park	
DEMA	Delaware Emergency Management Agency	
GTD	Georgetown	
GEDE	Greenville	
P60A	Greenville	
GWDE	Greenwood	
MIDE	Milford	
Q61A	Milford	
NED	Newark	
SCOM	Sussex County Emergency Operations Center	
District of Columbia		
BED	Bald Eagle	
DTM	Carnegie Institution of Washington	
GEO	Georgetown	
PPHYL	Hylton High School	
WAS	Washington	
NRL	Washington--Naval Research Laboratory	
Florida		
058A	Arcadia	
059Z	Ave Maria	
BE-	Belleview	BE-FL
BE-FL	Belleview	
658A	Bunnell	
553A	Crawfordville	
450A	Crestview	
DWPF	Disney Wilderness Preserve, Florida	
EVE	Everglades	
GAI	Gainesville	
456A	Hilliard	
655A	Horseshoe Beach	
060A	Indiantown	
657A	Interlachen	
JAC	Jacksonville	
859A	Kempfer Cattle CO., St. Cloud	
556A	Lake Butler	
758A	Lake Helen	
552A	Lynn Haven	
062Z	Marathon	
452A	Marianna	
555A	McAlpin	
MIA	Miami	
059A	Moore Haven	
061Z	Ochoppi	
959A	Okeechobee	
557A	Orange Park	
OR-	Orlando	OR-FL
OR-FL	Orlando	
757A	Oxford	
449A	Pace	
PEN	Pensacola	
554A	Perry	
RIC	Richmond	
858A	St. Cloud	
451A	Vernon	
958A	Wauchula	
060Z	West Palm Beach	
WFF	Whiting Field	
656A	Willston	
957A	Wimauma	
457A	Yulee	
857A	Zephyrhills	
Georgia		
254A	Abbeville	
253A	Americus	
AMG	Americus	
ATL	Atlanta	
356A	Blackshear	
352A	Blakely	
Z55A	Blythe	
BBG	Brasstown Bald	
X51A	Calhoun	
353A	Camilla	
CDG	Carters Dam	
CMGA	Chestnut Mountain	
CH5	Clark Hill Reservoir	
BEVG	Clark Hill Reservoir	
LDVG	Clark Hill Reservoir	
CH6	Clark Hill Reservoir	
IVAG	Clark Hill Reservoir	
X52A	Dahlonega	
DALG	Dalton	
ETG	Eatonton	
X53A	Estanollee	
153A	Fort Valley	
Z51A	Franklin	
256A	Glennville	
GOGA	Godfrey	
GMG	Grassy Mountain	
GBG	Greensboro	
255A	Hazlehurst	
155A	Kite	
LA-	Lafayette	LA-GA
LA-GA	Lafayette	
Y52A	Lilburn	
LKGA	Lookout Mountain	
252A	Lumpkin	
Y53A	Monroe	
Z53A	Monticello	
154A	Montrose	
355A	Pearson	
454A	Quitman	
RCG	Rock City	
REG	Rock Eagle	
Y51A	Rockmart	
TVGG	Rocky Mountain Net	
RMG	Rome (USA)	
257A	Skidaway Island, Savannah	
Z54A	Sparta	
455A	Stateville	
156A	Sylvania	
TIGA	Tifton	
Y54A	Tignall	
357A	Townsend	
WDG	Wallace Dam	
152A	Waverly Hall	
453A	Whigham	
Z52A	Williamson	
Hawaii		
AHA	Ahua	
AIN	Ainahou	
ALEP	Alea Permanent	
BAH	Barrette	
BYL	Byron's Ledge	
CPH	Captain Cook	
CPK	Cone Peak	
DAH	Dandelion	
DES	Desert	
DHH	Diamond Head	
ESR	Escape Road	
FEF	Fern Forest	
HKL	Haleakala	
HLK	Haleakala	
HATHI	Halema`uma`u Trail	
HPU	Hale Pohaku	
HBH	HawaiianBeaches	
HVO	Hawaiian Volcano	UWE
I59US	HAWAII INFRASONIC ARRAY REFERENCE POINT	
HIG	Hawaii Institute of Geophysics	
HW-IS	Hawaii Isl. Ar.	
HW-	Hawaii Isl. Ar.	HW-IS
HPAH	Hawaii Preparatory Academy	
HUL	Heiheiahulu	
HULD	Heiheiahulu Digital	
HLP	Hilina Pali	
HIL	Hilo	
HNL	Honolulu	
HON	Honolulu	
HPO	Honuapo	
HTC	Hot Caves	
HUH	Hualalai	
JCUZ	Jacuzzi	
JOKA	Jonika Flow	
KUH	Kaapuna	
KAE	Kaena	
KPH	Kaena Point	
KHLU	Kahalu`u	
KHU	Kahuku	
KHLH	Kahului Airport	
KKH	Kailua Kona	
KLCH	Kalalua Cone	
KPA	Kalaupapa	
KML	Kamuela	
KANH	Kanahau	
KIH	Kanekii	
KNHH	Kane Nui o Hamo	
KFH	Kaoiki Faults	
KLH	Kapapala Ranch	
KPO	Kapoho	
KLK	Kealakekua	
KEA	Kealakomo	
KKO	Keanakako'i	
KKU	Keanakolu	
KEKH	Kekaha	
KIP	Kipapa	
KNH	Kipuka Nene	
KOH	Kohala	
KNW	Konawaena	
LPH	Laupahoehoe	
LLAH	Lualailua	
M12	M12	
MHA	Mahukona	
MKA	Makaopuhi	
MAUI	Maui	
MKH	Mauna Kea	
MLH	Mauna Loa	
MLX	Mauna Loa 2	
MLOA	Mauna Loa Observatory	
MOK	Mokapu	
MVH	Mountain View	
NAA	Naalehu	
NGH	National Guard	
NBH	North Bay	
NPOC	North of Pu`u O`o Crater	
NPH	North Pit	
OA-IS	Oahu Island	
OA-	Oahu Island	OA-IS
OBL	Observatory Ledge	
OVEH	Oceanview Est	
OKAH	Ooka	
OPA	Opana	
OUT	Outlet	
PAH	Pahoa	
PFH	Pahoa Fire House	
PUH	Pauahi	
POHA	Pohakuloa	
POH	Pohoiki	
PWH	Poliokeawe Pali	
PUP	Pupakea	
PHO	Puu Honuaula	
PHH	Puu Huluhulu	
PKL	Puu Kaliu	
KMH	Puu Kamoamoa	
POK	Puuokali	
PPL	Puu Pili	
PLL	Puu Ulaula	
RSD	Rainshed	
RCO	Red Cone	
RIM	Rim	
SDHHI	Sand Hill	
SPT	South Point	
SWH	Southwest Rift	
STCH	Steam Cracks	
SBLHI	Steaming Bluff	
TRH	Trail	
UWE	Uwekahuna	
UWB	Uwekahuna Bluff	
WHA	Wahaula	
WKH	Waikii	
WMR	Waimanalo Ridge	
WLG	Waldron Ledge	
WOB	Weather Observatory	
WPH	West Pit	
WRMHI	West Rim	
WHI	Whitney	
WIH	Wilkes Camp	
WOH	Wood Valley	
Idaho		
ID09	Alton	
K15A	Arbon	
ARNI	Argonne North	
I12A	Atlanta	
AHID	Auburn Hatchery	
BCYI	Bear Canyon	
BEI	Bear River Range	
E12A	Beaver Dam Saddle, Pierce	
J10A	Berg Farm, Melba	
BHI	Bertha Hill	
BBI	Big Bend	
G12A	Big Creek, Yellow Pine	
GBI	Big Grassy Butte	
LRI	Big Lost River	
YPBB	Black Butte	
J15A	Blackfoot	
E11A	Bogner Ranch, Nez Perce	
BSE	Boise	
J16A	Bone	
BDID	Brownlee Dam	
BUI	Burke	
MFID	Camas Ranch	
J14A	Carey	
L11A	Cat Creek Ranch, Riddle	
CBTI	Cedar Butte	
CIB	Cedar Butte	
CMI	Centennial Mountain	
CL-ID	Challis	
H13A	Challis	
CL-	Challis	CL-ID
ID02	Challis, ID, 7.5 mi N off of Rte 93	
CRBI	Circular Butte	
G13A	Cobalt	
J13A	Cove Ranch, Picabo	
CHOI	Coyote Hollow	
COMI	Craters of Moon	
CPI	Crown Point	
CNCI	Crows Nest Canyon	
DEI	Dent	
ID08	Devils Gate	
H12A	Diamond D Ranch, Stanley	
H11A	Donnelly	
L13A	Double Diamond Ranch, Oakley	
DCID1	Drake Creek	
K12A	Draper Farm, Castleford	
DCI	Dry Creek	
DPI	Dunn Peak	
ECR	Eagle Creek	
ID03	East of Rte 461 near Challis	
EMI	Eightmile Canyon	
EBI	Elk Butte	
F12A	Elk City	
ERI	Eureka Ridge	
L16A	Fish Haven	
ID06	Fossil Canyon	
GMI	Garnes Mountain	
GHI	Gilbert Hill	
GRAI	Grandview Point	
F11A	Grangeville	
GRCI	Grant Creek	
GRRI	Grays Lake	
GTRI	Great Rift	
HLID	Hailey	
HL-ID	Hailey	
HL2ID	Hailey	
HL2	Hailey	HL2ID
HL-	Hailey	HL-ID
A11A	Hall Mountain, Copeland	
HID	Hamer Butte	
HHI	Harmony Heights	
YPHR	Hebgen Ridge	
HHAI	Hells Half Acre	
YHB	Horse Butte	
L12A	House Creek Ranch, Rogerson	
HPI	Howe Peak	
HWSI	Howe Scarp	
IDA	Idaho Array	
ID1	Idaho Array 1	
ID2	Idaho Array 2	
ID3	Idaho Array 3	
ID4	Idaho Array 4	
ID5	Idaho Array 5	
IRCI	INEL Research	
ICI	Italian Canyon	
JECI	Jenson Cabin	
JSM	Jim Sage Mountain	
K14A	Jones Ranch, Declo	
L10A	Juniper Basin Ranch, Riddle	
JGI	Juniper Gulch	
KGI	Kellogg	
KCI	Kelly Canyon	
KBI	Kettle Butte	
D11A	Klaveano Farm, Fernwood	
H14A	Leadore	
LJI	Lemhi Junction	
LGM	Little Green Mountain	
LLRI	Little Lost River	
LVRI	Lost Valley Reservoir	
I14A	Mackay	
MCPI	Mackay Peak	
L15A	Malad City	
MLI	Malad Range	
L14A	Malta	
MAS	Mason Butte	
MBI	Menan Buttes	
YPMF	Mesa Falls	
ID04	Mogan Creek Rd (Rte 129)	
I15A	Monteview	
MCID	Moose Creek	
MO-	Mountain Home	MO-ID
MO-ID	Mountain Home	
MUDI	Mud Lake	
MUL	Mullan	
NWR	Narrow River	
I16A	Newdale	
NPRI	New Reactor	
H10A	Noah's Angus Ranch, Cambridge	
NTI	Nordman	
NPI	North Pocatello Valley	

Code	*Station Name*	*Other*
K11A	Parker Ranch, Bruneau	
PZCI	Patelzick Creek	
I10A	Payette	
PLID	Pearl Lake	
PINI	Pine Creek	
I11A	Placerville	
PTI	Pocatello Creek	
PCID	Pole Creek	
PQ-ID	Preston	
D12A	Red Ives Forest Station, Avery	
RRI	Red Ridge	
RRI2	Red Ridge	
REX	Rexburg	
RMI	Round Mountain	
SJID	Saint Joe	
B11A	Sandpoint	
SPVI	Shoe Peg Valley	
SMBI	Sixmile Butte	
ID07	Smith Canyon Road	
SBID	Snowbank Mountain	
K16A	Soda Springs	
SPCI	Split Crater	
STID	Stanley	
STI	Star Valley	
J12A	Stokes Ranch, Hill City	
K13A	Stover Farm, Hazelton	
ID05	Sulphur Canyon Road, Soda Springs	
SURI	Summit Reservoir	
TMI	Taylor Mountain	
TCSI	Telchick Spring	
C11A	Tepee Creek (NFS), Magee	
TID	Three Point Mountain	
TYI	Trinity Mountain	
YPTS	Trude Siding	
WAL	Wallace	
G11A	Walters Elk Ranch, Riggins	
WBI	Whiskey Butte	
I13A	Wildhorse Creek, Mackay	
WICI	Willow Creek	
WPI	Wilson Peak	
Illinois		
P41A	Barry, Barry	
O42A	Bath	
BPIL	Belle Prairie	
BVIL	Belleville	
S44A	Carbondale	
S45A	Carrier Mills	
CIRL	Cave In Rock	
CGI	Chicago	
CHK	Chicago	
CHI	Chicago-Loyola	
CSIL	Creal Springs	
DAIL	Da Vinci Academy	
DEK	Dekalb	
ELC	Elco	
L43A	Garden Prairie	
Q42A	Golden Eagle	
P45A	Graceland, Paris	
HQIL	Hanson Quary Chicago	
N41A	Harden Midland Farm, Stronghurst	
HDIL	Hopedale	
JCMO	Jefferson College	
L44A	Lake County Forest Preserve, Grayslake	
O44A	Mansfield	
MCIL	McClure	
Q44A	Meyer Farm, Vandalia	
M44A	Midewin, Midewin Nat. Tallgrass Prairie	
M41A	Milan	
Q43A	New Douglas	
NHIL	New Haven	
L42A	Oliver, Polo	
OLIL	Olney	
O41A	Passleys Farm, La Prairie	
N44A	Piper City	
PW-	Pontiac	PW-IL
PW-IL	Pontiac	
O45A	Potomac	
R43A	Red Bud	
GOIL	Rosebud	
SMV	Samsville	
P44A	Sand Creek, Windsor	
M42A	Sheffield	
P43A	Skaggs, Pawnee	
R45A	Skylar, Fairfield	
EDIL	So. Illinois U.	
SIUC	Southern Illinois University	
SCMO	St. Charles CC	
N43A	Stutzman Family Farm, Minonk	
O43A	Sugar Creek Farm, Atlanta	
WVIL	Wabash College	
M43A	Waltham Township, Utica	
R44A	Waltonville	
Q45A	Warren Harvey, Newton	
WQ-IL	Watseka	
WCIL	Waubonsee CC	
WSIL	West Salem	
P42A	Winchester	
N42A	Yates City	
Indiana		
Q49A	Aurora	
Q47A	Bedord North Lawrence Stars, Bedford	
BLO	Bloomington	
M45A	Boilermakers Shaker, Crown Point	
Q46A	CEJHS Indians, Carlisle	
M47A	Cromwell	
N48A	Decatur	
O48A	Farmland	
O48B	Farmland	
R46A	Gibon Southern Titans, Haubstabt	
IN1	Indiana Array	
IN4	Indiana Array	
IN3	Indiana Array	
IN2	Indiana Array	
ISU	Indiana State University	
N45A	Kentland	
SFIN	Lafayette	
P47A	Martinsville	
P48A	Milroy	
N46A	Monticello	
NHIN	New Harmony	
R48A	Northridge Ranch, Floyd Knobs	
Q48A	North Vernon	
M46A	Old House Field, Plymouth	
P46A	Rosedale	
O47A	Sheridan	
SHIN	Springhill	
SPIN	Swan Pond Ditch	
THI	Terre Haute	
USIN	University of Southern Indiana	
N47A	Urbana	
WDIN	Wadesville	
R47A	Wooly Knot Farm, English	
WCI	Wyandotte Cave	
Iowa		
L40A	Anamosa	
K37A	Belmond	
L35A	Bielow Farm, Ricketts	
BY-IO	Bloomfield	
K40A	Colesburg	
J39A	Decorah	
N39A	Derby Farms, Drakesville	
DMI	Des Moines	
DBQ	Dubuque	
M36A	Felix, Anita	
J34A	George	
K36A	Gilmore City	
L36A	Harm Buss Farm, Glidden	
N38A	Joes South Fork Station, Corydon	
N37A	Lee Faris, Mount Ayr	
K34A	Le Mars	
N40A	Mertquake, Salem	
J35A	Milford	
N36A	Muff Farm, Clarinda	
M35A	Neola	
L38A	Oak Wood Farm, Albion	
K39A	Oelwein	
K38A	Parkersburg	
L37A	Phoenix Point, Boone	
M38A	Pleasantville	
M40A	Post Highland Seismo, Ainsworth	
L41A	Preston	
J37A	Redenius Farm, Forest	
J36A	Seneca 1, Swea City	
SCIA	State Center	
K35A	Storm Lake	
N35A	Tabor	
M37A	Trindle Farm, Earlham	
VO-	Vinton	VO-IO
L39A	Vinton	
VO-IO	Vinton	
M39A	Webster	
J38A	Wedel Dairy, Riceville	
Kansas		
KAN08	Anthony NE Station	
KAN10	Anthony SW Station	
KAN01	Argonia South Station	
KAN06	Argonia West Station	
Q36A	Arnold C. Orvedal, Lecompton	
P29A	Atwood	
BEK	Belvue	
KAN05	Bluff City North Station	
T36A	Boggs Farm, Caney	
R31A	Burdett	
KAN09	Caldwell North Station	
KAN17	Caldwell West Station	
CBKS	Cedar Bluff	
Q34A	Chapman	
T37A	Cheneyville 1850, Columbus	
CNK	Concordia	
Q33A	Connelly Farm, Tescott	
R30A	Dighton	
P35A	Duane Minner, Soldier	
EDK	El Dorado	
Q31A	Ellis	
EMK	Emporia	
EM-	Emporia	EM-KA
EM-KA	Emporia	
R35A	Emporia Municipal Airport, Emporia	
S37A	Fort Scott	
P36A	Good Intent, Atchison	
R36A	Gordon, Harris	
KAN12	Harper NE Station	
KAN16	Harper SW Station	
HWK	Hiawatha	
T32A	Huddler Ranch, Lake City	
T29A	Hugoton	
P32A	Huiting Farm, Downs	
R34A	Isabella, Hillsboro	
KS25	Jewell	
KSU1	Kansas State University--Konza Prairie	
S33A	Kaszmaul Farm, Murdock	
S36A	Lake Cedric, Chanute	
LAW	Lawrence	
LAK	Lawrence	
R32A	Long Quarter, Great Bend	
KAN14	Manchester OK Station	
MHT	Manhattan	
MHK	Manhattan	
KS24	Mankato	
KS22	Mankato Kansas Deployment Site 1	
S28A	Manter	
R29A	Marienthal	
KS20	Mayfield South Station	
T34A	McClaskey Farms, Geuda Springs	
Q32A	Meitler Ranch, Lucas	
Q35A	Mercer Eighty, Eskridge	
KS21	Milan North Station	
MLK	Milford Reservoir	
S30A	Montezuma	
S31A	Mullinville	
S32A	Newby Ranch, Pratt	
KS23	Northwest Mankato	
NNK	Norton	
Q29A	Oakley	
OBK	Oberlin	
R33A	Olander Ranch, Little River	
S35A	Otter Creek Ranch, Eureka	
T33A	Patterson Ranch, Waldron	
T30A	Plains	
Q30A	Quinter	
T31A	Randall Ranch, Ashland	
P28A	Saint Francis	
SNK	Salina	
P30A	Selden	
Q28A	Sharon Springs	
KAN13	South Haven SW Station	
P31A	Stockton	
R37A	Teagarden Farms, La Cygne	
R28A	Tribune	
TCK	Tuttle Creek Reservoir	
S29A	Ulysses	
P34A	Walnut Farm, Randolph	
S48A	Wiedeman Farm, Cecilia	
P33A	Williams Farm, Concordia	
S34A	Willow Spring Farm, Andover	
Kentucky		
CRAN	Arlington	
S51A	Beattyville	
BETH	Bethel	
T48A	Bowling Green	
BGKY	Bowling Green	
BHKY	Bowman Hall	
R52A	Catlettsburg	
DENM	Cayce	
HLKK	Cayce	
DELM	Columbus	
CRU	Crutchfield	
S46A	Don Dixon Farm, Corydon	
DY-	Dry Ridge	DY-KY
DY-KY	Dry Ridge	
T49A	Edmonton	
FLKY	Flemingsburg	
SLKY	Flemingsburg	FLKY
FDKY	Freedom	
FMKY	Fulgham	
T51A	Gray	
HAKY	Hadley Quad	
T52A	Hallie	
S47A	Hartford	
HICK	Hickman	
HLLM	Hickman	
RSCN	Hickman	
R51A	Hillsboro	
LLKY	Land-Between-the-Lakes	
LEK	Lexington	
L6KY	Lock 6	
LGKY	Lock 6	L6KY
LOKY	Lockhart	
MOKY	Morganfield	
LBNM	Moscow	
T50A	Nancy	
HMDN	Oakton	
LAVM	Oakton	
T45B	Paducah	
T45A	Paducah	
PAKY	Paducah	
R50A	Paris	
PKKY	Potato Knob	
T46A	Princeton	
REKY	Reed	
S50A	Richmond	
ROKY	Rotten Point	
RS-KY	Russell Springs	
RS-	Russell Springs	RS-KY
SMKY	Sacramento	
S52A	Salyersville	
T47A	Sharon Grove	
R49A	Shelbyville	
SOKY	Sonora	
S49A	Springfield	
SSKY	Summer Shade	
WCK	Wilson Creek	
MRSM	Woodland Mills	
Kodiak Island		
OHAK	Old Harbor	
Louisiana		
445A	Amite	
140A	Cam and Jess, Hughton	
645A	Chauvin	
443A	Delano Plantation, Melville	
441A	DeRidder	
545A	Edgard	
342B	Flagon Creek Properties, Pineville	
342A	Flagon Creek Properties, Pineville	
242A	Grayson	
240A	Hunter Patterson, Mansfield	
JE-LA	Jena	
JE-	Jena (USA)	JE-LA
341A	Kurthwood	
541A	Lake Charles	
LV-LA	Liddieville	
LV-	Liddieville	LV-LA
442A	Mamou	
142A	Monroe	
542A	Morse	
241A	Mo Tay, Goldonna	
NOL	New Orleans	
141A	Papa Simpson, Farm, Arcadia	
LSU4	Parcperdue Array	
LSU1	Parcperdue Array	
LSU3	Parcperdue Array	
LSU5	Parcperdue Array	
LSU2	Parcperdue Array	
444A	Pine Grove	
646A	Port Sulphur	
546A	Slidell	
143A	Socs Landing, Pioneer	
543A	St. Martinville	
343A	Vidalia	
243A	Waterproof	
544A	White Castle	
545B	Wilberts Farm, Edgard	
Maine		
AGM	Allagash	
D62A	Allapoint, Allagash	
AG-	Augusta	AG-ME
AG-ME	Augusta	
BG-ME	Bangor	
BG-	Bangor	BG-ME
I64A	Boothbay	
E64A	Bridgewater	
BPM	Bucksport	
CBM	Caribou	
E62A	Clayton Lake	
PQ0	Cooper Hill	
D1A	Dickey	
D3A	Dickey	
D4A	Dickey	
D6A	Dickey	
D2A	Dickey	
D5A	Dickey	
H65A	Eastbrook	
EMMW	East Machias	
EMMT	East Machias	
EMM	East Machias	
PQ1	East Ridge	
HKM	Hinckley	
HNME	Houlton	
HN-ME	Houlton	
HN-	Houlton	HN-ME
JKM	Jackman	
G63A	Kingsbury	
G64A	Maxfield	
MIM	Milo	
F63A	Nahmakanta, Browneville	
H63A	New Sharon	
ORNO	Orono	
I63A	Otisfield	
E63A	Oxbow	
PKME	Peaks-Kenny Pk	
F62A	Pittston Farm, Pittston Academy Grant	
POR	Portland	
PQI	Presque Isle	
G65A	Princeton	
F64A	Sherman	
D63A	Stockholm	
H64A	Troy	
TRM	Turner	
WVL	Waterville	
WTR	Waterville	
G62A	West of Eustis	
H66A	Whiting	
Maryland		
BALH	Baltimore	
NHB	Bethesda--National Naval Medical Center	
CLH	Cheltenham	
ER304	Early Rise 304	
ECM	Ellicott City	
GS-	Grantsville	GS-MD
GS-MD	Grantsville	
Q60A	Greensboro	
Q59A	Harwood	
P59A	Jarrettsville	
R60A	Leonardtown, MD	
NLM	Maryland--Naval Ordinance Lab	
P58A	Pank, Wackersville	
SDMD	Soldier's Delight Natural Environment Area	
VIL	Villa Mercy	
WSC	Washington Science Center	
R61A	Willards	
WOO	Woodstock	
Massachusetts		
HRV	Adam Dziewonski Observatory, Oak Ridge	
QUA2	Belchertown	
BCX	Boston College	
M65A	Busby, Falmouth	
CAM	Cambridge	
L65A	Cape Cod National Seashore	
DUX	Duxbury	
DXB	Duxbury	
FLR	Fall River	
GLO	Gloucester	
LNX	Lenox	
L64A	Middleborough	
M66A	Nantucket	
NMA	Nantucket	
L61B	Northampton	
QUA	Quabbin	
K62A	Royalston	
COD	South Dennis	
WGMA	Westboro	
WFM	Westford	
WES	Weston	
WLL	Williamstown	
K61A	Williamstown	
WOR	Worcester	
Michigan		
ACM	Allegan	
AAM	Ann Arbor	
H45A	Beulah	
F44A	Big Bay de Noc Black Bears, Cooks	
J48A	Bridge Port	
K50A	Casco	
MTPM	Central Michigan University	
E42A	Champion	
D41A	Chassel	
K49A	Clarkson	
F45A	CMU Biological Station, Beaver Island	
K46A	Dorr	
LNSM	East Lansing	
ED-	Edgewood	ED-MI
ED-MI	Edgewood	
L46A	Eue Claire	
H46A	Fife Lake	
F43A	Flat Rock, Escanaba	
I45A	Fountain	
I47A	Gladwin	
E44A	Grand Marais Airport, Grand Marais	
GLMI	Grayling	
H48A	Harrisville	
G47A	Hillman	
J46A	Howard City	
C40A	Isle Royale National Park	
KZM	Kalamazoo	
E41A	Kenton	
E43A	Lone Tree Farm, Eben Junction	

Code	Station Name	Other
F46A	Macinaw City Comets, Mackinaw City	
J49A	Marlette	
L49A	Milan	
H47A	Mio	
J45A	Montague	
L48A	N Adams	
K48A	Perry	
G46A	Petoskey	
PF-	Pickford	PF-MI
PF-MI	Pickford	
I49A	Point Hope	
I46A	Reed City	
E46A	Sault Ste Marie	
I48A	Sherman Twp	
L47A	Sherwood	
SUG	Sugar Island	
J47A	Sunmer	
G45A	Suttons Bay	
TT-MI	Trout Lake	
TT-	Trout Lake	TT-MI
AAMC	University of Michigan	
K47A	Vermontville	
E40A	Wakefield	
G43A	Wallace	
WPM	White Pine	
E45A	Wooded Hills, Hulbert	
Minnesota		
F33A	5 Mile Ranch, Herman	
B34A	Aery, Baudette	
AGMN	Agassiz National Wildlife Refuge	
F34A	Alexandria	
D33A	AnnSam, Waubun	
B32A	Ashes, Strandquist	
BEM	Bemidji	
G34A	Benson	
B35A	Bob, Littlefork	
CM3	Central Minnesota Array	
CM2	Central Minnesota Array	
CM4	Central Minnesota Array	
CM5	Central Minnesota Array	
CM6	Central Minnesota Array	
CM1	Central Minnesota Array	
D37A	Cotton	
I35A	Creekview Farms, Bingham Lake	
C32A	Crookston	
H37A	Dierke Farm, Cannon Falls	
DUL	Duluth	
EYMN	Ely	
C37A	Embarrass	
I36A	Fitzsimmons Farm, Good Thunder	
GY-	Gaylord	GY-MN
GY-MN	Gaylord	
D36A	Goodland	
C39A	Grand Marais	
GP-	Grand Rapids	GP-MN
GP-MN	Grand Rapids	
I34A	Hadley	
HT-MN	Hastings	
HT-	Hastings	HT-MN
I39A	Houston	
JA-	Jasper	JA-MN
JA-MN	Jasper	
H36A	Jessenland, Henderson	
C35A	Jirik Farms, Max	
JO-MN	Jordan	
JO-	Jordan	JO-MN
I37A	Lemond, Waseca	
A31A	Linda, St. Vincent	
SPMN	Marine on St. Croix	
E36A	McGregor	
F36A	Milaca	
MNN	Minneapolis	
MFM	Minneapolis	
MNM	Minneapolis	
NB-MN	North Branch	
NB-	North Branch	NB-MN
G33A	Ortonville	
D34A	Park Rapids	
E35A	Pequot Lakes	
C36A	Pine Crest Farm, Angora	
PP-MN	Pipestone	
PP-	Pipestone	PP-MN
D35A	Remer	
C34A	RKJ Ranch, Bemidji	
B33A	Robert and Kassanda Mosher, Grygla	
A32A	Rocking H Ranch, Lancaster	
C38A	Sawbill Land. Superior Nat. Forest USFS	
I38A	Scanlan Farm, Eyota	
SE-MN	Sleepy Eye	
SE-	Sleepy Eye	SE-MN
H34A	Spellman Lake, Hanley Falls	
G36A	St. Michael	
H35A	Sunnyside Ranch, Fairfax	
F35A	Swanville	
TY-MN	Tracy	
TY-	Tracy	TY-MN
C33A	Trail	
E34A	Wadena	
A33A	Warroad	
I37B	Waseca	
G35A	Watkins	
E33A	Westby DABS, Erhard	
WD-	Windom	WD-MN
WD-MN	Windom	
E37A	Wrenshall	
WF-	Wykoff	WF-MN
WF-MN	Wykoff	
Mississippi		
144A	Alexander Place, Bentonia	
244A	Avery, Jackson	
346A	Big Creek Wildlife, Hattiesburg	
X46A	Booneville	
X44A	Crenshaw	
GH-MS	Greenville	
Y46A	Houston	
145A	Houston Renfrow, Canton	
246A	Jackson Lee, Bay Springs	
LL-	Laurel	LL-MS
LL-MS	Laurel	
245A	Little AP, Star	
Z46A	Louisville	
LD-	Lucedale	LD-MS
LD2MS	Lucedale	
LD3MS	Lucedale	
LD-MS	Lucedale	
447A	Lucedale	
LU-MS	Lumberton	
Y43A	Makayla and Karen, Gunnison	
MB-MS	McComb	
MB-	McComb	MB-MS
OXF	Oxford	
Z44A	Pea Ridge, Belzoni	
PC-MS	Picayune	
PC-	Picayune	PC-MS
PGM	Pleasant Grove	
446A	Poplarville	
PU-MS	Purvis	
PU-	Purvis	PU-MS
247A	Quitman	
RI-MS	Richton	
347A	Saraland	
Y44A	Strider, Charleston	
TQ-MS	Tatum Dome	
345A	Thompson Farm, Foxworth	
X45A	UM Field Station, Abbeville	
146A	Union	
VBMS	Vicksburg	
344A	Westbrook Farm, Meadville	
Z45A	Winona	
Y45A	Yeager Farm, Coffeeville	
Missouri		
T44A	Benton	
BRNM	Bernie	
BRM	Bernie	
BRR	Berryman	
BETM	Bethany	
O36A	Bolckow	
S39A	Bolivar	
BRGM	Braggadocio	
S42A	Caledonia	
CGM	Cape Girardeau	
CGM3	Cape Girardeau	
CCM	Cathedral Cave	
CATM	Catron	
CHNM	Channel	
CHRM	Charleston	
COKM	Charter Oak	
R39A	Chumby, Stover	
T39A	Clever	
Q38A	Cooks Store, Concordia	
CWPT	Cottonwood Point	
CCMO	Creve Coeur	
CBD	Cypress Bend	
P38A	Dawn	
DMV	Demmitville	
T38A	Diamond	
DWM	Dogwood	
DWDM	Dogwood	
DON	Dongola	
EPRM	East Prairie	
ECD	Elk Chute Ditch	
EN-MO	Ellsinore	
EN-	Ellsinore	EN-MO
STIL	E St Louis HE Ctr	
R38A	Fenwick Farm, Montrose	
FRM	Flat River	
FLO	Florissant	
FVM	French Village	
S43A	Fulton Ridge, Patton	
O38A	Galt	
CBMO	Girardeau Bridge	
GLST	Glass	
GNAR	Gosnell	
GSAR	Gosnell High Sch.	
T43A	Greenville	
GRV	Greenville	
GUAMO	Guam	
HAWT	Hathaway	
HATI	Hayti	
HENM	Henderson Mound	
S41A	Jillco Farms, Salem	
KC-	Kansas City	KC-MO
KC-MO	Kansas City	
KEWM	Kewanee	
O39A	Kirksville	
O40A	La Belle	
P37A	Lathrop	
Q40A	Laux Farm, Auxvasse	
S40A	Lebanon	
LPAR	Lepanto	
LDMO	Linda	
LST	Lone Star	
Q37A	Longview Farm, Lees Summit	
R42A	Luebbering	
R40A	Maddies Station, St. Elizabeth	
MLDM	Malden	
MLD	Malden	
T40A	Mansfield	
MARMO	Marston	
MVMO	Maryville College	
MATM	Matthews	
MGMO	Mountain Grove	
T41A	Mountain View	
NMM	New Madrid	
NMMO	New Madrid	
NMD	New Madrid	
NMEM	New Madrid Sch	
NRMS	Noranda	
P40A	Paris	
PARMO	Parma	
MMM	Pea Ridge Mine	
PEBM	Pemiscott Bayou	
PENMO	Penman	
PPLM	Point Pleasant	
PBMO	Poplar Bluff	
POBM	Portage Bay	
PVMO	Portageville	
PTG	Portageville	
U44A	Portageville	
PGVM	Portageville	
RSCM	Risco	
RELT	Roellen	
ROL	Rolla	
RMB	Rombauer	
R41A	Rosebud	
SJMO	Saint John's Bayou	
SLM	Saint Louis	
P39B	Salisbury	
P39A	Salisbury	
S38A	Stockton	
TPMO	Tallapoosa	
TOPM	Tallapoosa	
Q41A	Truxton	
TYS	Tyson Valley	
T42A	Van Buren	
WADM	Wardell	
WALK	Watson Lake	
Q39A	Willow Grove Farm, Nelson	
O37A	Wolven Farm, McFall	
Montana		
F21A	Absaloka Mine, Hardin	
ALMT	Alberton, Montana	
G24A	Alzada	
AMM	Anaconda	
AN-	Angela	AN-MA
AN-MA	Angela	
E24A	Baker	
BGMT	Barton Gulch	
BCM	Basin Creek	
BSMT	Bassoo Peak	
B18A	Beardsley Farm, Havre	
A21A	Bergtoll Ranch, Theony	
G23A	Biddle	
BBM	Big Bend	
BCB	Big Creek Baldy	
BFM	Bigfork	
BHMT	Big Hole Peak	
F18A	Big Timber	
F20A	Billings	
BS-MA	Billings	
G22A	Birney	
BLK	Black Butte	
BPMT	Black Pine Ridge	
BLMT	Blacktail Mountain	
BZE	Bozeman	
BZM	Bozeman	
BZMT	Bozeman Pass	
BOZ	Bozeman (W)	
B15A	Bradely Ranch, Valier	
G20A	Bridger	
B19A	Brinkman Farms, Chinook	
B23A	Brockton	
F15A	Butte	
BUT	Butte	
CLX	Calx Mountain	
A22A	Carney Farms, Richland	
CHMT	Chamberlain Mountain	
CRMT	Chrome Mountain	
CMT	Clancy	
CCMT	Clark Canyon Reservoir	
CFM	Cliffside	
E14A	Clinton	
A20A	Cobblestone Ranch, Loring	
D22A	Cohagen	
CKM	Coopers Lake	
D19A	Cripps Ranch, Grass Range	
DGMT	Dagmar	
DMMT	Dalton Mountain	
D16A	Dana Ranch, Cascade	
F13A	Darby	
E15A	Deer Lodge	
DPM	Delmo Park	
YPDC	Denny Creek	
C21A	Desert Coulee Ranch, Glasgow	
DLMT	Dillon	
G15A	Dillon	
DI-	Dillon	DI-MA
DI-MA	Dillon	
A14A	Double T Ranch, Babb	
EGMT	Eagleton	
QLMT	Earthquake Lake	
E16A	East Helena	
ERMT	East Ridge	
F24A	Ekalaka	
ELMT	Elliston	
B21A	Ellsworth Farm, Hinsdale	
FBMT	Ferry Basin	
F17A	Fitzpatrick Place, Clyde Park	
A13A	Flathead National Forest, Polebridge	
FR-	Forsyth	FR-MA
FR-MA	Forsyth	
C16A	Fuhringer Ranch, Dutton	
NQMA	Gallatin River Ranch	
GI-MA	Glendive	
GI-	Glendive	GI-MA
D24A	Glendive	
GBM	Granite Butte	
GCR	Grayling Creek	
D14A	Greenough	
GCMT	Greycliff	
HH-ND	Hannah	
HH-	Hannah	HH-ND
E18A	Harlowton	
HV-MA	Havre	
HV-	Havre	HV-MA
YHL	Hebgen Lake	
HLM	Helmville	
HRF	Holter Research Foundation--Helena	
HRY	Holter Research Foundation--York Bridge	
C13A	Hot Springs	
HHM	Hungry Horse	
D13A	Huson	
HY-	Hysham	HY-MA
HY-MA	Hysham	
E23A	Ismay	
G14A	Jackson	
JTMT	Jette	
A15A	Johnson Ranch, Cut Bank	
E21A	Keefer Ranch, Vananda	
F16A	Kennard Place, Willow Creek	
A19A	Klindworth Farms, Hogeland	
D21A	La Casta Ranch, Jordon	
LHM	Lake Helena	
C23A	Lambert	
LA0	Lasa Array	LAO
LASA	Lasa Array	LAO
LAO	LASA Array	
LB1	LASA B Ring	
LB4	LASA B Ring	
LB2	LASA B Ring	
LB3	LASA B Ring	
LC1	LASA C Ring	
LC3	LASA C Ring	
LC4	LASA C Ring	
LC2	LASA C Ring	
LD2	LASA D Ring	
LD1	LASA D Ring	
LD3	LASA D Ring	
LD4	LASA D Ring	
LE1	LASA E Ring	
LE4	LASA E Ring	
LE3	LASA E Ring	
LE2	LASA E Ring	
LF3	LASA F Ring	
LF2	LASA F Ring	
LF1	LASA F Ring	
LF4	LASA F Ring	
G18A	Lazy EL Ranch, Roscoe	
LCCM	Lewis and Clark Caverns	
LN-MA	Lewistown	
B17A	L&G Farms, Chester	
B12A	Libby	
LDM	Libby Dam	
H15A	Lima	
LRM	Limekiln Ridge	
D15A	Lincoln	
D23A	Lindsay	
D18A	Linhart Farms, Moccasin	
LBM	Little Butte	
LHD	Little Hoodo Mountain	
LTMT	Little Table Mountain	
G21A	Lodge Grass	
LFM	Lubrecht Forest	
LYMT	Lyon Mountain	
D20A	Manuel Ranch, Winnett	
B14A	Marquette Ranch, East Glacier	
E17A	Martinsdale	
MCMT	McKenzie Canyon	
A18A	Metzger Ranch, Havre	
E20A	Meyer Farm, Musselshell	
E22A	Miles City	
MKMT	Mink Peak	
MSMT	Mission Creek	
MSO	Missoula	
B16A	M & M Farms, Shelby	
MOMT	Monida	
G16A	Moss Hill, Ennis	
BEMT	Mount Belmont	
MEMT	Mount Ellis	
HBMT	Mount Humbug	
C12B	Naegeli Ranch, Trout Creek	
NCM	Ninemile Creek	
NDMT	Ninemile Divide	
OVMT	Ovando	
G17A	Pierce Place, Pray	
PNK	Pinkham Creek	
PCMT	Pistol Creek	
E19A	Rath Farm, Roundup	
B22A	Reddig Ranch South, Frazer	
YPRL	Red Lodge	
RLMT	Red Lodge	
A23A	Redstone	
RFM	Reservoir Flats	
RXF	Rexford	
F22A	Rosebud	
F19A	Roth Farm, Molt	
H16A	Russell Place, West Yellowstone	
C15A	Salmond Ranch, Choteau	
C24A	Savage	
SLMT	Seeley Lake	
SGM	Silver Gate	
D17A	Six Diamond Ranch, Ranyesford	
SXM	Sixmile	
C19A	Slack Wire Ranch, Winifred	
B20A	Solberg Farm, Malta	
STMT	Stillwater Mine	
-A0MA	Subarray A0 LASA	
SVMT	Summit Valley	
SWP	Swamp Creek	
C14A	Swan Lake	
SWMT	Swartz Lake	
SW-	Sweetgrass	SW-MA
SW-MA	Sweetgrass	
TEE	Teeples Ranch	
TPMT	Tepee Creek	
A17A	Triple J Farms, Joplin	
C12A	Trout Creek	
C20A	Veseth Ranch, Zortman	
VCMT	Victor	
E13A	Victor	
C22A	Vida	
F23A	Volborg	
WCM	Warland Creek	
YPWB	West Boundary	
A16A	West Butte Ranch, Sweetgrass	
YWY	West Yellowstone	
C17A	Wharram Farm, Highwood	
B13A	Whitefish	
WHM	Wild Horse Parks	
F14A	Wisdom	
YKM	Yaak	
A12A	Yaak River Ranch, Troy	
YBMT	Yellow Bay	
YNE	Yellowstone Northeast Entrance	
YCM	YMCA Camp	
Nebraska		
O29A	4D Ranch, Culbertson	
AI-NB	Alliance	
AI-	Alliance	AI-NB
M34A	Aspy Farms, Fremont	
ABN	Auburn	
N31A	Bailey Ranch, Gibbon	
M28A	Bar X Bar Ranch, Keystone	
K30B	Basset	

Code	*Station Name*	*Other*
K30A	Basset	
O34A	Beatrice	
BENE	Beatrice	
BGNE	Belgrade	
O32A	Brockman Farm, Red Cloud	
M29A	Burnside Ranch, Stapleton	
L31A	Butterfield Farm, Chambers	
CCNE	Clay Center	
CZ-NB	Cody	
CZ-	Cody	CZ-NB
CUN	Columbus	
L28A	Connealy Angus Ranch, Whitman	
CR2NB	Crete	
CR-	Crete	CR-NB
CTN	Crete	
CR-NB	Crete	
M30A	Dale-Ortello Valley, Anselmo	
DTN	Dwight	
L32A	Elgin	
L25A	Engebretsen Ranch, Morrill	
K27A	Flueckinger Farm, Gordon	
GO-	Gordon	GO-NB
GO-NB	Gordon	
GAN	Gretna	
K33A	Hardington	
HS-	Hay Springs	HS-NB
HS-NB	Hay Springs	
O33A	Hebron	
HMN	Homestead National Monument	
L33A	Hoskins	
N30A	Hueftle Ranch, Cozad	
O35A	Humboldt	
INDN	Indianola	
N33A	J Bar K, Exeter	
N33B	J Bar K, Exeter	
JHN	Johnson	
O28A	Krutsinger Ranch, Parks	
M31A	Lambtecht Ranch, Loup City	
K29A	Lazy Trails Angus Ranch, Wood Lake	
LIN	Lincoln	
N34A	Lincoln	
LCN	Lincoln	
KLNK	Lincoln, NE, USA	
LCNC	Loup City	
LCNE	Loup City	
K25A	Mack Ranch, Harrison	
L29A	Maesberg Ranch, Thedford	
M26A	McRoberts Ranch, Bridgeport	
MKN	Medicine Creek Dam	
MH-	Mitchell	MH-NB
MH-NB	Mitchell	
K26A	Motz Farm, Whitney	
O30A	MW Ranch, Wilsonville	
NR-	Niobrara River	NR-NB
NR-NB	Niobrara River	
OGNE	Ogallala	
K31A	O'Neill	
PCNE	Platte Center	
N28A	Pribbeno Ranch, Imperial	
M27A	Reverse DX Ranch, Oshkosh	
L30A	Spencer Herefords Ranch, Brewster	
SGN	Springfield	
N32A	Stulken Farm, Doniphan	
L34A	Svendsen Farm, Lyons	
L27A	T5 Ranch, Ellsworth	
M33A	Taylor Creek Farms, Clarkson	
K28A	Ten Mile Ranch, Cody	
L26A	Underwood Farm, Alliance	
K32A	Verdigre	
N29A	Votaw Ranch, Wellfleet	
WHNE	Wahoo	
WNN	Wann	
O31A	Woolen Ranch, Alma	
Nevada		
BUK	413	
LWN	416	
ALA	Alamo	
AMDNV	Amargosa	
ANCR	Anchorite	
APK	Angel's Peak	
APKW	Angels Peak	
U10A	Ash Meadows, Armagosa	
APNR	Astor Pass	
AT-NV	Austin	
P09A	Austin	
AT-	Austin	AT-NV
BRO	Bare Mountain	
BMN	Battle Mountain	
BTY	Beatty	
BEA	Beatty	BTY
BLM*	Bell Mountain	
BLT	Belted Range	
BGB	Big Butte	
BGN	Big Creek	
BIS	Bismark Peak	
BMTN	Black Mountain	
BMT*	Black Mountain	
TVH2	Borealis Mine area, Hawthorne	
BCN	Boulder City	
BONR	Boundary Peak	
BNPN	Boundary Peak	
BOX	Box Canyon	
BYX	Boyer Ranch	
BFC	Buffalo Canyon	
N06A	Buffalo Meadows, Empire	
CTS	Cactus Peak	
CDH1	Calico Hills	
CDH5	Calico Hills	
CQ-NV	Caliente	
W12A	Cal Nev Ari	
CANR	Candelaria	
Q09A	Carvers	
NYC	Charley	
P11A	Circle Ranch, Eureka	
Q10A	Clear Creek Ranch, Tonopah	
NYM	Climax Mine	
N12A	Clover Valley, Wells	
COLR	Columbus	
U11A	Corn Creek	
T11A	Corn Creek, Alamo	
O10A	Cortez Mining, Crescent City	
COTR	Cottonwood	
O11A	Cowboy Ranch, Jiggs	
CPX	CP-1	
CPY	CP-1	
CPN	CP-17	
CMN	Crown Mine	
CND	Currant	
CU-NV	Currant	
CU-	Currant	CU-NV
O12A	Currie	
S12A	Delamar Landing Field, Caliente	
DLM	Delamar Mountains	
DIXR	Dixie Hot Springs	
P08A	Dixie Valley	
DSM	Dog Skin Mountain	
Q11A	Duckwater	
N10A	Dunphy	
TVH3	East Aurora area, Hawthorne	
EPR	East Pahranagat Range	
ESTR	Eastside	
EHN	Echo Peak	
EPM	Echo Peak	
EMN	Eldorado Mountains	
ELK	Elko	
EKO	Elko	
N11A	Elko Archery Club, Elko	
EY-	Ely	EY-NV
EY-NV	Ely	
ELY	Ely	
EY2NV	Ely	
EY2	Ely	EY2NV
ETS	Engine Test Stand	
EK-NV	Eureka	
EUR	Eureka	
P10A	Eureka	
EK-	Eureka (L)	EK-NV
EXC	Excelsior	
FPN1	Fairview Park	
FPN	Fairview Peak	
P07A	Fallon	
FA-NV	Faultless	
FERR	Ferguson	
O09A	Fish Creek Ranch, Battle Mountain	
FLV	Fish Lake Valley	
O06A	Flanigan	
GAB	Gabbs	
Q08A	Gabbs	
GNO	Genoa	
N07B	Gerlach	
N07A	Gerlach	
N08A	GE Springer Mine, Mill City	
GBT	Gilbert	
GILR	Gillis	
GF-	Goldfield	GF-NV
GF-NV	Goldfield	
S09A	Goldfield	
GMN	Gold Mountain	
V11A	Goodsprings	
GLR	Groom Lake Road	
GMR	Groom Range	
ZOX	Ground Zero	GZN
GZN	Ground Zero	
GRX	Grover	
M08A	Happy Creek Ranch, Winnemucca	
HLX	Hole	
M11A	Holland Ranch, North Fork	
HCR	Hot Creek Range	
HYX	Hoyt Mine	
HVL	Huntoon Valley	
HCK	Huntoon Valley	
M10A	I.L. Ranch, Tuscararo	
IO-	Ione	IO-NV
IO-NV	Ione	
JON	Johnnie	
NYJ	Joshua Tree	
KVN	Kaiserville	
KP-NV	Kawich Peak	
KRNA	Kawich Range	
LM-	Lake Mead	LM-NV
LM-NV	Lake Mead	
LVN	Las Vegas	
LVW	Las Vegas	
LDV	Leadville	
LI-NV	Liberty	
LI-	Liberty	LI-NV
LHV	Little Huntoon Valley	
LSM	Little Skull Mountain	
LSN	Little Skull Mountain	
LOP	Lookout Peak	
LO-NV	Lovelock	
LO-	Lovelock	LO-NV
LVK	Lovelock	
LBP	Lucky Boy Pass	
LNG	Luning	
MGM	Magruder Mountain	
M09A	Marrel Ranch, Paradise Valley	
P12A	McGill	
MCN	Mercury	
MCV	Mercury	
MCY	Mercury	
MILR	Miller Mountain	
R08A	Mina	
MNV	Mina	
MN-NV	Mina	
MNA	Mina	
MN-	Mina	MN-NV
NVAR	Mina Array Beam Reference Point	
NV01	Mina Array Site 1	
NV10	Mina Array Site 10	
NV02	Mina Array Site 2	
NV03	Mina Array Site 3	
NV32	Mina Array Site 32	
NV33	Mina Array Site 33	
NV04	Mina Array Site 4	
NV05	Mina Array Site 5	
NV06	Mina Array Site 6	
NV07	Mina Array Site 7	
NV08	Mina Array Site 8	
NV09	Mina Array Site 9	
NV11	Mina Array Sites 11 and 31	
T12A	Moapa	
M13A	Montello	
MZP	Montezuma Peak	
MTPC	Mountain Pass	
MTI	Mount Irish	
N23	N23	
NMN	Nasa Mountain	
NEN	Nelson	
NEL	Nelson	
V12A	Nelson	
NT2NV	Nevada Test Site	
NT-NV	Nevada Test Site	
NTA	Nevada Test Site Array	
NPN	North Pahroc Range	
NPM	North Pahute Mesa	
NRM	North Rainier Mesa	
NRR	North Reno	
ADM	NRDS	
NSP	Numbskull Pass, NTS	
OB-NV	Oak Springs Butte	
OB2NV	Oak Springs Butte	
OB3NV	Oak Springs Butte	
OVE	Overton	
PAHR	Pah Rah Range	
PRN	Pahroc Range	
PMN	Pahute Mesa	
LO2	Pahute Mesa	
PH-NV	Pahute Mesa Site	
PH3NV	Pahute Mesa Site	
PH4NV	Pahute Mesa Site	
PH2NV	Pahute Mesa Site	
PARR	Paradise	
PEAR	Peavine Mountain	
PNR	Penrod	
PNTR	Pine Nut	
PLTX	Planet X, Gerlach	
R12A	Pony Springs, Pioche	
QM-NV	Quartzite Mountain	
QCS	Queen City Summit	
QNR	Quinn River	
QRV	Quinn River Valley	
S11A	Rachel	
RH-NV	Rawhide Mountain	
NYR	Receiver Site	
REN	Reno	
RVE	Reveille Range	
O08A	Rochester Mine, Lovelock	
N09A	Rock Creek Ranch, Golconda	
RUT	Ruth	
RYN	Ryan	
SGI04	Saint George Infrasonic Array Site 4	
Q07A	Schurz	
SRG	Seaman Range	
SHPR	Sheep Range	
SHRG	Sheep Range	
SZ-	Shoal	SZ-NV
SZ-NV	Shoal	
SSP	Shoshone Peak	
SVP	Silver Peak Range	
SIMR	Simon	
STM	Slate Mountain	
SMN	Sleeping Mountain	
WTNK	Soaring Heights, Las Vegas	
M07A	Soldier Meadows	
SPRG	Spotted Range	
SPR3	Spring Creek 3	
SSX	SS1	
STX	Station 2	
P06A	Stead Airport, Stead	
ST-NV	Stillwater	
ST-	Stillwater	ST-NV
SWN	Stillwater	
SDH	Striped Hills	
SOX	Sue Hot Springs	
SC-	Sutcliffe	SC-NV
SC-NV	Sutcliffe	
NYS	Syncline Ridge	
TPU	Tempiute Mountain	
N2-NV	Test Site	
NT13	Thirsty	
TCNV	Thirsty Canyon	
TMBR	Timber Mountain	
TMN	Timber Mountain	
TP-NV	Tippipah	
TP-	Tippipah	
TI-NV	Tolicha Peak	
TPK	Tolicha Peak	
TPV	Tonopah	
R09A	Tonopah	
TPH	Tonopah	
TNP	Tonopah	
S10A	Tonopah Range, Tonopah	
TPNV	Topopah Spring	
O07A	Toulon	
TRCR	Troy Canyon	
R11B	Troy Canyon, Currant	
R11A	Troy Canyon, Currant	
TVH1	TV Hill, Hawthorne	
TSV	Twin Springs	
UVN1	Unionville	
UVN	Unionville	
U12A	Valley of Fire, Overton	
NYV	Vern	
VCNR	Virginia City	
VIP	Virginia Peak	
WAD	Wadsworth	
WAKR	Walker	
R10A	Warm Springs	
WZ-NV	Warm Springs	
WSN	Warm Springs	
WSR	Warm Springs Repeater	
WSH	Washington Hill	
WCN	Washoe City	
M12A	Wells	
N13A	Wendover, West Wendover	
WTCR	Whites Canyon	
WCT	Wildcat Mountain	
WLDR	Wildhorse	
L09A	Wilkinson Ranch, McDermitt	
Q12A	Willow Creek Ranch, Ely	
WMN	Winnemucca	
WI-NV	Winnemucca	
WI-	Winnemucca	WI-NV
WVA	Winnemucca Valley	
WRN	Worthington Mountains	
YERR	Yerington	
YF2NV	Yucca Flat NTS	
YF3NV	Yucca Flat NTS	
YF-NV	Yucca Flat NTS	
YF4NV	Yucca Flat NTS	
YMT5	Yucca Mountain	
YMT1	Yucca Mountain	
YMT3	Yucca Mountain	
YMT6	Yucca Mountain	
YMT4	Yucca Mountain	
YM-NV	Yucca Mountain	
YMT2	Yucca Mountain	
FPK		
NT2		NT2NV
NT-		NT-NV
WHR		
New Hampshire		
BNH	Berlin	
K63A	Dunstable	
DNH	Durham (NH)	
FNN	Franconia Notch	
FFD	Franklin Falls Dam	
HNH	Hanover	
J62A	Henniker	
LANH	Laconia	
LB-	Lebanon	LB-NH
LB-NH	Lebanon	
LS-NH	Lisbon	
LBNH	Lisbon	
LS-	Lisbon (USA)	LS-NH
H62A	Milan	
ONH	Oakhill	
PNH	Pitcher Mountain	
NH1	Sanbornton	
J63A	Strafford	
I62A	Tamworth	
DUNH	University New Hampshire, Durham	
UNH	University of New Hampshire, Durham, NH	
WNH	Whiteface	
WBNH	Wolfeboro	
New Jersey		
O61A	Allentown	
BRNJ	Basking Ridge	
CNJ	Catfish Pond	
DENJ	Denville	
GMTN	Garret Mountain	
GPD	Greenpond	
P61A	Hammonton	
LVNJ	Long Valley	
HRMC	Merrill Creek	
PEMC	Merrill Creek	
EPMC	Merrill Creek	
PFMC	Merrill Creek	
PMMC	Merrill Creek	
FHMC	Merrill Creek	
ABMC	Merrill Creek	
PDMC	Merrill Creek	
MONJ	Montclair	
MSNJ	Montclair St. U.	
ODNJ	Ogdensburg	
OGD	Ogdensburg	
PQN	Pahaquarry	
PNJ	Paterson	
PVN	Peters Valley	
PRIN	Princeton	
PANJ	Princeton	
RAMA	Ramapo Mountain	
N61A	South Mountain, Millburn	
TABN	Tabernacle	
New Mexico		
X21A	Alamocita Creek, Datil	
ALQ	Albuquerque	
W22A	Albuquerque	
ABQ	Albuquerque	ALQ
ANMO	Albuquerque	
ANTR	Antelope Ridge	
127A	Arkansas Junction, Hobbs	
TASM	ASL Pad, Albuquerque Seismic Lab	
U26A	Atchley Ranch, Grenville	
BRC	Barley Canyon	
BNM	Barren Site	
BMNM	Bear Mountains	
T19A	Beclabito	
123A	Bell Site, White Sands Missile Range	
227A	Bennet, Jal	
BDNM	Bernardo	
X22A	Bernardo	
BBN	Black Butte	
W27A	Bowe Ranch, Endee	
V20A	Brimhall	
CCN	Cachucha Ranch	
Y24A	Capitan	
Z26A	Caprock	
CPRX	Cap Rock	
CLN	Carlsbad	
CLNB	Carlsbad	
CLN2	Carlsbad 2	
CLN4	Carlsbad 4	
CLN6	Carlsbad 6	
CLN7	Carlsbad 7	
CBET	Carlsbad E Tower	
CRNM	Carthage	
Y27A	Causey	
CZL	Cerro Azul	
CDN	Cerro del Durazano	
CNM	Chama	
223A	Chaparral, Anthony	
U25A	Circle Dot Ranch, Maxwell	
CLP	Clara Peak	
126A	Clayton Basin, Artesia	
X25A	Clemmons Ranch, Yeso	
COH	Cochiti	
122A	Conniff Cattle Co., Rinco	
121A	Cookes Peak, Deming	
X26A	CR and CF Franklin Farms, Melrose	
DMPK	Deadman Peak	
225A	Deer Hill, Carlsbad	
DNM	Dulce	

Code	Station Name	Other
Z22A	Elephant Butte, Truth or Consequences	
Y26A	Elida	
U23A	El Rito	
EST	Estancia	
EUM	Eureka Mesa	
X27A	F and S Farms, Texico	
FARG	Farmington	
FCN	Frijoles Canyon	
125A	Gardner Draw, Artesia	
GB-NM	Gasbuggy	
GN-NM	Gnome	
GN-	Gnome	GN-NM
GNM	Golden	
GDL2	Guadalupe Mountain	
HTMS	Hat Mesa	
Y20A	Horse Springs, Datil	
X23A	Hourglass Bar Ranch, Mountainair	
Y22C	IRIS PASSCAL Instrument Center, Socorro	
Y22D	IRIS PASSCAL Instrument Center, Socorro	
Y22E	IRIS PASSCAL Instrument Center, Socorro	
JOAQ	Joaquin Lookout	
JUM	Jug	
KT1	Kermit	
KT2	Kermit	
KT3	Kermit	
KT4	Kermit	
KT5	Kermit	
KT8	Kermit	
KT7	Kermit	
KT9	Kermit	
320A	Kipp Ranch, Antelope Well	
LCV	La Cueva	
LAZ	Ladron	
LAD	Ladron Mountain	
LJY	La Joya	
LFC	Lale Fork Canyon	
LC-	Las Cruces	LC-NM
LC-NM	Las Cruces	
W24A	Lazy 6 Ranch, Villanueva	
X24A	Lazy VL Ranch, Encino	
LENM	Lemitar	
U22A	Llaves	
LOA	Los Alamos	
LSIAR	Los Alamos Infrasonic Array Beam Reference Point	
LSI01	Los Alamos Infrasonic Array Site 1	LSIAR
LSI03	Los Alamos Infrasonic Array Site 3	
LSI04	Los Alamos Infrasonic Array Site 4	
LPM	Los Pinos Mountain	
Y23A	Lovelace Mesa, Carrizozo	
226A	Malaga, Loving	
MLM	Mesa Lucero	
Y25A	Mesa, Roswell	
221A	Mesquite Ranch, Deming	
V21A	Milan	
ML-	Mogollon	ML-NM
ML-NM	Mogollon	
U24A	Moreno Valley High School, Angel Fire	
MSA	Mount San Antonio	
MTL	Mount Taylor	
U21A	Nageezi	
T21A	Navajo Lake, Ignacio	
U20A	Newcomb	
NMH	New Mexico Highlands	
Z20A	Nine Sixteen Ranch, Cliff	
OTZ	Ortiz Mountain	
V23A	Ortiz Mt. (NFS), Santa Fe National Forest	
W26A	Owens Ranch, Tucumcari	
Y22F	Passcal Instrument Center, Socorro	
TVZX	PASSCAL Warehouse	
220A	Playas Peak, Playas	
Y21A	Point of Rocks Canyon, Magdalena	
X20A	Quemado	
W20A	Ramah	
V24A	Rampart Ranch, Las Vegas	
V25A	Rancho No Tengo, Wagon Mound	
RT-	Raton	RT-NM
RT-NM	Raton	
REDP	Redondo Peak	
RIO	Rio Grant	
Z23A	Rita Site, White Sands Missle Range	
Z25A	Roswell	
SPD	Saint Peter's Dome Lookout	
W21A	San Fidel	
SMNM	San Marcial	
V22A	San Miguel Ranch, Cuba	
Z24A	Sheeppen Canyon, Tinnie	
SVM	Silver City	
TASL	Snake Pit, Albuquerque Seismic Lab	
SRF	Snake Ranch	
SRM	Socorro	
Y22A	Socorro	
SNM	Socorro	
SBM	South Baldy	
Z21A	St. Cloud Mine, Winston	
124A	Stringfield Ranch, Weed	
Z27A	Tatum	
226B	Tecolote Peak, Malaga	
V26A	Tequesquite Ranch, Mosquero	
TSP	Tesuque Peak	
TTP	Tetilla Peak	
TC-	T or C	TC-NM
TD-NM	Tres Piedras	
TD-	Tres Piedras	TD-NM
TC-NM	Truth or Consequences (T or C)	
120A	U Bar Ranch, Lordsburg	
W23A	Werner Place, Edgewood	
WMA	West Mesa	
222A	Williams Family Ranch, Las Cruces	
WTX	Workman Tunnel	
W25A	X Bar L Ranch, Newkirk	
New York		
ADN	Adams	
RSNY	Adirondack	
ACCN	Adirondack Community College	
APH	Airport Hangar	
ALX	Alexander Bay	
ALF	Alfred	
ANNS	Annsville	
J54A	Appleton	
ARNY	Arden House	
ATT	Attica	
ABRN	Auburn	
ASNY	Au Sable	
BGR	Bangor (NY)	
K54A	Basiliko Farm, Boston	
BERL	Berlin (NY)	
BING	Binghamton	
BNY	Binghamton	
BINY	Binghamton	
BRNY	Black Rk. Forest	
BML	Blue Mountain Lake	
BLMY	Blum	
BRCN	Bracie Corner	
BMNY	Brushton-Moira	
BIPS	Buchanan	
BUF	Buffalo	
BFF	Buffalo-Larkin	
H59A	Cadyville	
CHRY	Calls Hollow Road	
CAMB	Cambridge (NY)	
CANY	Canisius	BUF
CCNY	Canisius College, New York, USA	
I57A	Carthage	
CTNY	Carthage	
CTR	Castle Rock	
N62A	Caumsett State Park, Huntington	
CAZE	Cazenovia	
CPNY	Central Park	
CHAU	Chaumont	
CMNY	Cheesecote Mountain, Pomona, NY	
CNY	City College NY	
CLAR	Clarkstown	
CFNY	Clifton-Fine, NY	
CLIN	Clinton	
CONY	Cobleskill	
COSP	Cold Spring	
CSRY	Cold Spring River	
CGNY	Colgate University, Hamilton, NY	
K59A	Cooperstown	
CROG	Croghan	
CRNY	Cross River	
CLY	Crystal Lake	
DANY	Dannemora	
DH-	Delhi	DH-NY
DH-NY	Delhi	
DPLY	Delli Paoli	
DP-NY	Deposit	
DP-	Deposit	DP-NY
DNY	Dersam	
DHN	Doyle Hill	
DBMY	Dunderburg Mountain	
DSN	Dusing	
EGN	Eagle's Nest	
K58A	Earlville	
EAN	East Aurora	
ELNV	Ellenville	
ELM	Elma	
FINE	Fine	
K60A	Five Rivers Env. Education Center, Delmar	
FRNY	Flat Rock	
FOR	Fordham	
PTNY	Frank Revetta Observatory, Potsdam, NY	
H58A	Gabriels	
GARN	Garrison	
GENY	Geneseo	
GERM	Germantown	
GILB	Gilboa	
GSCY	Girl Scout Camp	
GCY	Glen Cove	
GLOV	Gloversville	
GOBY	Gobbelet	
GNF	Goodnow Flow	
GFN	Grafton	
M61A	Granite Springs	
L56A	Greenwood	
HMB	Hamburg	
HNY	Hamilton	
L58A	Harry Jones Memorial, Binghamton	
HAVE	Haverstraw	
L61A	Hillsdale 1, Hillsdale	
J55A	Hilton	
L55A	Hinsdale	
HMCY	Holy Mount Cemetery	
HCNY	Howe Caverns	
ITH	Ithaca	
INY	Ithaca	
KSVO	Keeseville	
LCNA	Lacona	
LONY	Lake Ozonia	
LOZ	Lake Ozonia	
J60A	Lant Hill Farm, Argyle	
LILH	Lima (NY)	
AMNH	Manhattan	
MSNY	Massena	
N63A	Mattituck	
MEDO	Medina	
MEDY	Medina	
K56A	Middlesex	
MIV	Mineville/Witherbee	
NPNY	Mohonk Preserve	
MANY	Mount Airy	
MMNY	Mt. Morris Dam	
CHIP	Near Potsdam	
NCB	Newcomb	
NWC	North Woods Club	
OAK	Oakfield	
I58A	Old Forge	
I59A	Olmsteadville	
ONTR	Ontario (NY)	
OSBY	Osborn	
OSNY	Ossining	
OSWG	Oswego	
OCN	Over Castle Rock	
PRNY	Paleo Inst,Ithaca	
PAL	Palisades	
K55A	Perry	
PGY	Peter Gray Mountain	
PHEL	Phelps	
J59A	Piesco	
PNZ	Plattsburgh	
PNY	Plattsburgh	
M60A	Port Jervis	
POTS	Potsdam Coll	
PTN	Potsdam (NY)	
PUTN	Putnam	
QLNY	Queensboro Lake	
CUNY	Queens College	
J58A	Remsen	
H57A	Richville	
ROC	Rochester	
RMO	Rochester (NY)	
RLSP	Rockland Lake	
ROTD	Rotterdam (NY)	
SPSY	Saint Peters School	
SANY	Sanborn	
SRMY	Scherman	
K57A	Scipio Center	
L60A	Shokan	
L54A	Sinclairville	
SKN	Skaneateles	
SKLY	Ski Hill Lift	
SONY	Sodus	
SFO	Sterling Forest	
SFN	Sterling Forest	
STLY	Stiles	
STWA	Stillwater	
PONY	Stone Ridge	
SPNY	Stone Ridge	
PKNY	Stone Ridge	
SNPY	Stony Point	
SUFF	Suffern	
TBR	Table Rock	
TRNY	Table Rock, Ramapo, NY	
TRY	Troy	
TUS	Tuscarora	
TXNY	Tuxedo	
UWL	Utowana Lake	
VCS	Vernal Corners	
L59A	Walton	
WPR	Ward Pound Ridge	
WTVE	Waterville	
WGLY	Wegel	
WLI	Wellesley Island	
WCNY	West Carthage	
WCCN	Westchester CC	
WCC	Westchester Community College	
WMNY	West Monroe	
WEST	Westmoreland	
WPNY	West Park	
WVLY	West Valley	
WVNY	West Valley, New York	
J57A	Williamstown	
WNY	Wilmington	
WND	Windham	
J56A	Wolcott	
YSNY	Yorkshire	
JORD		
North America		
HMH	Humu`ula Sheep Station	
PJLM	Jolon Road	
KOFP	Korovin Flat Point	
MWH	Mokuaweoweo	
PJC	Pensacola State College	
North Carolina		
AE-	Albemarle	AE-NC
AE-NC	Albemarle	
X60A	Albert Glenn Thornton	
AVNC	Asheville	
BENN	Benn Knob	
U57A	Blanch	
BRBC	Blue Ridge Broadcasting Company	
Y60A	Bolivia	
BUNC	Butner	
CCNC	Camp Creek Bald	
CHC	Chapel Hill	
CEH	Chapel Hill	
CPC	Cherry Point	
CNNC	Cliffs of the Neuse	
W59A	Clinton	
V57A	Coltrane Farms	
W53A	Cullowhee	
ER319	Early Rise 319	
W57A	Gilead	
GFM	Grandfather Mountain	
GBNC	Greensboro	
W61A	Ground Anchor Farm, New Bern	
V62A	Hyde County Airport	
W56A	Indian Trail	
V60A	Jim Taylor Road, Stokes	
U56A	King	
RNC	Little Raleigh	
U59A	Littleton	
X59A	McDuffie Farm, Elizabethtown	
V59A	Middlesex	
V56A	Mocksville	
MGNC	Mount Gibbes	
MTSH	Mount Sheppard	
W52A	Murphy	
MYNC	Murphy	
V54A	Nebo	
NCAT	North Carolina A&T Campus	
U58A	Oxford	
U60A	Pendleton	
W60A	Pink Hill	
PKNC	Pores Knob	
U61A	Possum Corner Farms, Belvidere	
W58A	Raeford	
RBNC	Richland Balsam	
RICH	Rich Mountain	
V61A	Roper	
X58A	Rowland	
V53A	Saluda	
SMNC	South Mountain	
U55A	TA2, Sparta	
TVNC	Taylorsville	
V55A	Taylorsville	
TRYN	Tryon Peak	
WSSR	Wesser Bold	
WNC	Wilmington	
V58A	Windy Hill, Pittsboro	
WSNC	Winespring Bald	
North Dakota		
E32A	Braaten, Kindred	
D30A	Buchanan	
E26A	Carlson Angus Ranch, Regent	
E27A	Carson	
D27A	Center	
D32B	Dogwood Acres, Gardner	
D32A	Dogwood Acres, Gardner	
B28A	Dugan Ranch, Towner	
D25A	Fairfield	
C25A	Freed Ranch, Watford	
B31A	Greenbush Farm, Park River	
HH2ND	Hannah	
HH2	Hannah	HH2ND
C28A	Hausauer Farms, Kief	
A30A	Hoffart Farm, Langdon	
E28A	Huff	
B26A	Jensen Ranch, Palermo	
E30A	Jud	
B25A	Knox Farm, Ray	
C31A	Landman Farms, Northwood	
A27A	Ledoux Ranch, Antler	
MDND	Maddock	
D26A	Manning	
A29A	Manning Farm, Rocklake	
D31A	Mcclaflin, Tower City	
E25A	Miller Ranch, Amidon	
C30A	Mose, Pekin	
B30A	Myrvik Farm, Edmore	
E29A	Napoleon	
E31A	Nome	
B27A	Peters Farms, Glenburn	
D29A	Pettibone, Tappen	
D28A	Regan	
A28A	Rude Farm, Bottineau	
RY-ND	Ryder	
RY-	Ryder	RY-ND
C27A	Sayler Ranch, Douglas	
A25A	Svangstu Ranch, Noonan	
TS-	Trotters	TS-ND
TS-ND	Trotters	
A26A	Wade Farm, Kenmare	
B29A	Wagenman Farm, Cando	
C26A	Wahner Farm, Parshall	
A24A	Westby	
Ohio		
O52A	Adamsville	
ACOH	Alum Ck. St. Park	
ACSO	Alum Creek State Park	
AN9	Anna	
AN1	Anna	
AN7	Anna	
AN4	Anna	
AN3	Anna	
AN11	Anna	
AN10	Anna	
AN12	Anna	
AN8	Anna	
N51A	Ashland	
ACEO	Ashtabula EMA	
BTCO	Belmont College, St. Clairsville	
Q52A	Bidwell	
BCSO	Bloom-Carroll	
BHSO	Botkins High School	
BGO	Bowling Green	
BGSO	Bowling Green State University	
O50A	Cable	
M52A	Chesterland	
CCHE	Chesterland	
CNN	Cincinnati	
CSCO	Clark State Community College	
CLE	Cleveland	
CLEO	Cleveland Museum of Natural History	
COWO	College of Wooster	
N49A	Columbus Grove	
P52A	Corning	
O49A	Covington	
CECL	East Claridon	
M48A	Edgerton	
ECCO	Edison CC	
M51A	Elyria	
M50A	Fremont	
GZ-OH	Galion	
Q50A	Georgetown	
CGRR	Girdled Road	
P50A	Jamestown	
KSUO	Kent State University	
LECO	Lake Erie College	
LCCO	Lakeland CC	
LCCO2	Lakeland CC 2, Kirtland	
M49A	Liberty Center	
N53A	Lisbon	
MACO	Marietta College	
MVKY	Maysville	
N52A	McGinn's Farm, Dalton	
CMEN	Mentor	
P49A	Miami Univ. Ecology Research Center	
MLF	Milford	
MOSO	Mohican School	
GPDO	Montville, Ohio	
MUCO	Mount Union College	
N50A	Nevada	
O53A	New Philadelphia	
OGSO	Ohio Geological Survey, Columbus	
OSUO	Ohio State University	
OSLO	Ohio State University--Lima	
OSMO	Ohio State University--Mansfield	
OUAO	Ohio University	
O51A	Pataskala	

Code	*Station Name*	*Other*
Q51A	Peebles	
PIOH	Piqua	
SSUO	Shawnee State University	
CTOM	Thompson	
CTHA	Thorn Acres	
UOCO	University of Cincinnati	
UTO	University of Toledo	
UTLO	University of Toledo	
P53A	Whipple	
P51A	Williamsport	
WSCO	Wright State University--Celina	
WSDO	Wright State University--Dayton	
YSUO	Youngstown State University	
Oklahoma		
ACO	Alabaster Cavern State Park	
ATO	Altona	
U34A	Anderson Ranch, Garber	
AL-OK	Antlers	
AL-	Antlers	AL-OK
AP-OK	Apache	
AP-	Apache	AP-OK
V32A	Arapaho	
ADOK	Arcadia Dam	
AM-OK	Ardmore	
AM-	Ardmore	AM-OK
AK-OK	Atoka	
AK-	Atoka	AK-OK
OK052	Battle Ridge Rd, NW of Cushing	
BHO	Bethel	
BIX	Bixby	
BLOK	Blackwell	
BCOK	Bluff Creek, North Oklahoma City	
W34A	Bridge Creek, Tuttle	
W33A	Caddo, Fort Cobb	
CCOK	Camp Classen	
CRO	Carnasaw Mountain Lookout Tower	
CROK	Carrier	
CDO	Cedar Creek	
X36A	Centrahoma	
OK006	Choctaw High	
CT-OK	Clayton	
CT-	Clayton	CT-OK
X37A	Clayton	
OK030	Cody Creek RV Park, Cushing	
TUL0	Crosstimbers Borehole	
DEOK	Depew	
X35A	Drake	
Y36A	Durant	
DU-	Durant	DU-OK
DU-OK	Durant	
OK035	E0210 Rd and N2420 Rd, Alva	
OK051	E0350 and S34600 Roads, Ralston	
OK049	E0420 Rd and N3200 Rd	
OK023	East Waterloo Road, Luther	
ELIS	Ellis County	
X32A	Elmer	
GBO	Fort Gibson	
FNO	Franklin	
FKO	Franklin	
GC02	Grant County #2	
V34A	Guthrie	
OK007	Harrah City Hall	
OK003	Hefner Road	
HB-OK	Hobart	
HB-	Hobart (Okla)	HB-OK
W31A	Holland Ranch, Erick	
Y37A	Hugo	
V37A	Hulbert	
CSTR	Hydro, Custer County	
Y38A	Idabel	
V36A	Jenks	
JCE1	John's Creek	
OK001	Jones High Sch.	
X33A	Lawton	
TUL1	Leonard	
LNO2	Leonard	
TUL3	Leonard	
LNO	Leonard	
LNO3	Leonard	
OK029	Liberty Lake	
U33A	Lingo Farm, Meno	
V33A	Lossen Ranch, Watonga	
LOOK	Love County	
OK005	Luther M School	
Y35A	Marietta	
MZO	Mazie Landing	
X31A	McDonald Ranch, Hollis	
MEO	Meers	
MFO	Meers Fault	
OK033	Mehan	
MRO	Meridian	
V35A	Meyer Ranch, Chandler	
OK020	N3440 Road, Meeker	
OK021	N3530 Road, Sparks	
OK022	N3560 Road, Prague	
U31A	Nine Bar Ranch, Gage	
OK034	N. Norfolk Rd., Cushing	
NMO	Norman	
OK009	Oakdale Elementary Sch.	
OCO	Oklahoma City	
OKCFA	Oklahoma City	
OKCSW	OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	
OK004	Okla Sci Mus	
OLO	Oologah	
U36A	Oologah	
U35A	Pawnee	
OK044	Pawnee Station 44	
OK045	Pawnee Station 45	
OK046	Pawnee Station 46	
OK047	Pawnee, Station 47	
OK048	Pawnee Station 48	
OK050	Pawnee Station 50	
PKO	Pickens	
PCO	Ponca City	
W38A	Poteau	
OK011	Prague	
QMO	Quartz Mountain	
QZO	Quartz Mountain State Park	
QUOK	Quay	
W37A	Quinton	
W37B	Quinton	
Y34A	Reagan Ranch, Oscar	
RRO	Red Rock Canyon	
RLO	Rose Lookout	
U37A	Salina	
OK032	Salt Plains WLR near Rte 11	
OK031	S. Brethren Rd., Cushing	
W32A	Sentinel	
SCE1	Shell Creek	
SIO	Slick	
X34A	Smith Ranch, Marlow	
T35B	Sooner Cattle Company, Foraker	
T35A	Sooner Cattle Company, Foraker	
OK008	Spencer City Hall	
V31A	Spring Creek Lake, Blk. Kettle Nat Grslnd	
OK053	SW of W Deep Rock Rd and N Kings Hwy, Cushing	
W35A	Tecumseh	
TO-	Tishomingo	TO-OK
TO-OK	Tishomingo	
TUL	Tulsa	
TSO	Tulsa	
UYO	Union Valley	
VVO	Vivian	
WA-	Watson	WA-OK
WA-OK	Watson	
NOKA	Waynoka	
OK024	West corner E0890 Road	
OK038	West end E0370 Rd, Waynoka	
OK025	Westminster Rd and Hefner Rd	
W36A	Wetumka	
X38A	Whitesboro	
WMOK	Wichita Mountains	
WMO	Wichita Mountains Array	
OK002	Wilshire Harrah	
WLO	Wilson	
U32A	Winter Ranch, Mooreland	
U30A	WK&E Inc. Balko	
Oregon		
AOT	Adel	
L07A	Adell	
ALST	Alston	
ALVY	Alvey	
ALO	Ashland	
ASBU	Astronaut Butte, Newberry	
VBPM	Bald Peter	
BPO	Bald Peter	
BT-	Bates	BT-OR
BT-OR	Bates	
F10A	Beach Ranch, Enterprise	
VBEM	Beaver Butte	
I05A	Bend	
BEND	Bend	
BROR	Big Rock Lookout	
G10A	Bishop Farm, Joseph	
BKCOR	Black Crater	
BMO	Blue Mountains Array	
KBO	Bosley Butte	
BUCK	Buck Mountain	
BULL	Bull Run Dam	
BURN	Burns	
BUOR	Burton Butte	
BBOR	Butler Butte	
CHOR	Cabbage Hill	
G06A	Carlson Farm, Grass Valley	
L02A	Cave Junction	
L02E	Cave Junction	
L02F	Cave Junction	
L02D	Cave Junction, OR	
CPCO	Central Pumice Cone, Newberry	
VCMM	Chase Mountain	
K04D	Chiloquin, OR	
K04A	Chilquin	
J06A	Christmas Valley	
J08A	Circle Bar Ranch, Crane	
B023	Clatskanie	
COLT	Colton High School	
COR	Corvallis	
G09A	Cove	
KR-OR	Crane	
KR-	Crane	KR-OR
VCLM	Crater Lake	
CROR	Criterion Ridge	
H04A	Detroit Lake	
DBO	Dodson Butte	
I03D	Drain, OR	
I08A	Drewsey	
H09A	Durkee	
KEBM	Edson Butte	
EUO	Eugene	
I03A	Eugene	
EYES	Ewing Young ES, Newberg ANSS-SMO	
FBO	Farmers Butte	
L08A	Fields	
VFP	Flag Point	
J05A	Fort Rock	
J05D	Fort Rock, OR	
FMC	Four Mile Canyon	
VFBM	Frederick Butte	
FRIS	Frissel Point	
J09A	Fry Pan Ranch, Harper	
K02A	Glendale	
GT2	Goat Mountain	
VGTM	Goat Mountain	
VGB	Gordon Butte	
VGBM	Gordon Butte	VGB
VGMM	Grass Mountain	
VGPM	Green Peter	
PGO	Gresham	
GROR	Grindstone Mountain	
GMO	Grizzlie Mountain	
HAMO	Hamaker Mountain	
VHBM	Hamelton Butte	
HSO	Harness Mountain	
HAO	Harrison Substation	
HRO	Hermiston	
VHHM	High Heaven	
J07A	Hines	
HIYU	Hiyu Mountain	
HMO	H. Mason	
HOG	Hogback Mountain	
VHEM	Hood Meadows East	
VHYM	Horsefly Mountain	
HBO	Huckleberry Mountain	
HUMO	Hull Mountain	
HUOR	Husband	
J03A	Ideyld Park	
IRO	Indian Ridge	
VIPM	Ingram Point	
I07A	Izee	
VJYM	Jersey	
JBO	Jordan Butte	
JORV	Jorden Valley SMO	
KWBU	Kawak Butte, Newberry	
KEEL	Keeler	
R55E0	Keizer	
KMOR	Kings Mountain	
KFAL	Klamath Falls	
L04D	Klamath Falls	
L04A	Klamath Falls	
KFO	Klamath Falls	
LGOR	La Grande	
LKVW	Lakeview	
L05A	Lakeview	
H07A	Lands Inn, Kimberly	
LANE	Lane BPA Site-SMO	
VLMM	Larch Mountain	
VLL	Laurance Lake	
H04D	Lebanon	
LIME	Lime	
LNOR	Lincton Mountain	
H06A	Lindquist Farm, Mitchell	
LAB	Little Aspen Butte	
I09A	Lost Marbles Ranch, Westfall	
K10A	MacKenzie Ranch, Jordan Valley	
H05A	Madras	
K08A	Mann Creek Ranch, Princeton	
I02A	Mapleton	
MRIN	Marion BPA Site DOGAMI SMO	
MPOR	Mary's Peak	
VMNM	Maupin	
G03D	McMinnville, OR	
MFW	Milton-Freewater	
MONO	Monmouth DOGAMI SMO	
MOON	Moon Mountain	
VMHM	Mount Hagen	
VHOM	Mount Hebo	
HEBO	Mount Hebo	
HOOD	Mount Hood Meadows	
G04A	Mulino	
J01D	Myrtle Point	
J01E	Myrtle Point	
NCOR	Newberry Crater	
NEWO	Newport DOGAMI SMO	
NLO	Nicolai Mountain	
OMDBO	OLD MILL DISTRICT, BEND, OREGON	
PALME	Palmer Lift, Mt. Hood	
PERL	Pearl BPA Site DOGAMI SMO	
PT-OR	Pendleton	
F08A	Pendleton	
PT-	Pendleton	PT-OR
PNO	Pendleton	
G08A	Pilot Rock	
PK-OR	Pilot Rock	
PK-	Pilot Rock	PK-OR
PN-	Pine Creek	PN-OR
PN-OR	Pine Creek	
PMT	Pine Mountain	
PINOR	Pine Mountain	
VPIM	Pine Mountain	
PINE	Pine Mountain Observatory	
PTD	Portland	
BEAV	Portland	
H08A	Prairie City	
PRLK	Prince Lake	
I06A	Prineville	
VRC	Rainbow Creek	
F04D	Rainier, OR	
K07A	Rock Creek Ranch, Frenchglen	
RBO	Rocky Butte	
RNO	Roman Nose	
K09A	Rome	
VRBM	Round Butte Dam	
G07A	Ruggs Ranch, Heppner	
F09A	S2 Ranch, Elgin	
VPMM	Saint Patrick Mountain	
VSMM	Salem	
VSCM	Scott Mountain	
F03A	Seaside	
B022	Seaside	
SEAS	Seaside SMO	
SA-OR	Seneca	
SA-	Seneca	SA-OR
SHRK	Shell Rock	
K01A	Sixes	
KSCM	Snow Cap Mountain	
H03A	Soap Creek Ranch, Albany	
SOUA	Southern Oregon Univeristy DOGAMI SMO	
SR-	Sparta	SR-OR
SR-OR	Sparta	
VSP	Spence Mountain	
VSBM	Spring Butte	
K05A	Summer Lake	
SVIC	Surveyors Ice Cave, Newberry	
SSOR	Sweet Springs	
I02D	Swisshome	
I02E	Swisshome, OR	
TAKO	Tahkenitch	
I04A	Tendick Farm, Oakridge	
I05D	Terrebonne, OR	
VTDM	The Dalles	
TCO	Three Creek Meadows	
WIFE	Three Sisters--Wife	
TIMB	Timberline	
H02A	Toledo	
TOLO	Toledo BPA CREST BB SMO	
TMBU	Tom Butte, Newberry	
TDH	Tom, Dick, Harry Mountain	
TKO	Trask Mountain	
N02D	Trinity Center, CA	
TPOR	Trinity Point	
VTHM	Trough	
TCBU	Trout Butte	
VTCM	Trout Creek Butte	
TCBUT	Trout Creek Butte at 3-Sisters	
UK-	Ukiah	UK-OR
UK-OR	Ukiah	
J02A	Umpqua	
UMPQ	Umpqua Community College DOGAMI SMO	
J04A	Umpqua National Forest, Toketee	
J04D	Umpqua National Forest, Toketee, OR	
K06A	Valley Falls	
VT-	Venator	VT-OR
VT-OR	Venator	
VWMM	Walker Mountain	
G05A	Wamic	
G05D	Wamic, OR	
VWBM	Wanoga Butte	
WPO	West Portland	
WMOR	Whale Back Mountain	
WVOR	Wild Horse Valley	
K02D	Willamette Meridian	
G03A	Yamhill	
Pennsylvania		
ABG	Abington	
ALLY	Alegheny College	
ATPA	Allentown	
AS-PA	Altoona	
O57A	Amberson	
L57A	Andrews Acres Farm, Gillet	
O54A	Avella	
BVR	Beaver	
BD-	Bedford	BD-PA
BD-PA	Bedford	
BV-PA	Belleville	
BV-	Belleville	BV-PA
BR-PA	Berlin	
BR-	Berlin (Penn)	BR-PA
BB-	Bloomsburg	BB-PA
BB-PA	Bloomsburg	
PABK	Blue Knob State Park, Imler	
O56A	Blue Knob State Park, Imler	
N60A	Cedar Hill Farm, Mount Bethel	
DCP	Dickinson College	
ER300	Early Rise 300	
ER301	Early Rise 301	
ER302	Early Rise 302	
ER303	Early Rise 303	
M56A	Emporium	
ERP	Erie	
ERPA	Erie	
FMPA	Franklin College	
GT-PA	Galeton	
GT-	Galeton	GT-PA
L53A	Girard	
HKP	Hidden Lake	
HD-	Howard	HD-PA
HD-PA	Howard	
KSPA	Keystone College	
KTZ	Kutztown	
LUPA	Lehigh University	
O58A	Lewisberry	
LT-PA	Lewistown	
LT-	Lewistown	LT-PA
O55A	Ligonier	
N55A	Marion Center	
MR-PA	Middleburg	
MR-	Middleburg	MR-PA
MVL	Millersville	
N57A	Milroy	
MS-PA	Montrose	
MS-	Montrose	MS-PA
N54A	Moraine State Park, Portersville	
PAMR	Moraine State Park, Slippery Rock	
NKP	New Kensington	
M54A	Oil Creek State Park, Oil City	
PAOC	Oil Creek State Park, Oil Creek	
WRPS	Penn State University	
PSDB	Penn State University - DuBois	
PSWB	Penn State Wilkes-Barre	
PSUB	Penn St. - Brandywine Campus	
PAGS	Pennsylvania Geol. Surv.	
PHI	Philadelphia	
PIT	Pittsburgh	
PJ-PA	Pottstown	
M58A	Price's Panorama, Muncy Valley	
M55A	Ridgway	
O59A	Robesonia	
SH-PA	Shamokin	
SH-	Shamokin	SH-PA
SSPA	Standing Stone	
SCP1	State College	
SCP	State College	
N59A	State Game Land 141, Hazleton	
N58A	Sunbury	
SSL	Sunset Lake	
M57A	Sunshine Farm, Cogan Station	
O60A	Telford	
TUPA	Temple University, Ambler	
TU-	Tunkhannock	TU-PA
TU-PA	Tunkhannock	
UPAO	U. Pittsburgh - Allegheny Obs.	
M59A	Waymart	
WAY	Waynesburg	
WUPA	West Chester	

	University of Pennsylvania, USA	
N56A	West Decatur	
M53A	WI Miller and Sons, Farmdale	
CMPA		
Rhode Island		
LAF	Lafayette	
L63A	North Scituate	
M64A	Tiverton	
South Carolina		
ADSC	Addlestone Acy	
BCS	Baptist College of Charleston	
X54A	Belton	
BIRD	Birdtown, Kershaw	
Z57A	Bowman	
BOW	Bowman	
CHF	Calhoun Falls	
CCS	Cawcaw Swamp	
CSU	Charleston Southern University	
W54A	Cherokee Point, Campobello	
SCCK	Coley Creek	
CSC	Columbia	SVC
COW	Cow Castle Creek	
CFS	Cross Fire Station	
DRC	Dorchester	
157A	Early Branch	
FMF	Francis Marion National Forest	
Z59A	Georgetown, SC	
X55A	Gracelyn & Ava, Whitmire	
GVS	Graniteville	
HBF	Harts Bluff	
HAW	Hawthorne Fire Tower	
HODGE	Hodges	
HWD	Hollywood	
158A	Hollywood	
JSC	Jenkinsville	
JVW	Jocassee View	
X57A	Johnson Farm, Hartsville	
KMSC	Kings Mountain, Blacksburg	
BG3	Lake Jocassee	
CASEE	Lake Jocassee	
LHS	Liberty Hill	
Y59A	Loris	
MGS	Middleton Gardens	
MKC	Moncks Corner	
MTT	Monetta	
MR01	Monticello Reservoir Site 1	
MR10	Monticello Reservoir Site 10	
MR02	Monticello Reservoir Site 2	
MR03	Monticello Reservoir Site 3	
MR04	Monticello Reservoir Site 4	
MR05	Monticello Reservoir Site 5	
MR06	Monticello Reservoir Site 6	
MR07	Monticello Reservoir Site 7	
MR08	Monticello Reservoir Site 8	
MR09	Monticello Reservoir Site 9	
MMCS	Mount Moriah Church	
ZIN	Mount Zion Church	
NHSC	New Hope	
NHS	North Hampton	
VEW	Oceanview	
OSC	Orangeburg	
OSB	Orangeburg	
PRM	Parsons Mountain	
Y56A	Pelion	
PPS	Pierpont	
PBS	Pigeon Bay	
PBF	Porcher Bluff	
RGRS	Roger Stewart	
ROW	Rowesville	
SGS	Saint George	
Y55A	Saluda	
SRPN	Savannah River	
SRPD	Savannah River	
SRPW	Savannah River	
Y58A	Scranton	
SBK	Seabrook	
SMMS	Six Mile Mountain	
SVS	Slandsville	
SMSC	Smeltzer Mountain	
Z58A	St. Stephen	
SMA	Summerton	
Y57A	Sumter	
C1SC	The Citadel Site 1	
C2SC	The Citadel Site 2	
TWB	Tillmans-Whites Bay	
TRSC	Trident Resrch Ctr	
TRK	Turkey Creek	
VSC	Varnville	
VRN	Varnville	
WSS	West Ashley	
WMS	West Middle School	
X56A	White Oak	
Z56A	Williston	
South Dakota		
AY-	Academy	AY-SD
AY-SD	Academy	
J28A	Allard Ranch, Norris	
RSSD	Black Hills	
F25A	Bowman	
H32A	Carlson Farm, Erwin	
I33A	Coleman	
CO-SD	Colome	
CO-	Colome	CO-SD
G31A	Conde	
J30A	Dallas	
J33A	Davis	
DL-SD	Dell Rapids	
DL-	Dell Rapids	DL-SD
G27A	Dupree	
EBS	Eagle Butte	
J27A	Elkhorn Farm, Martin	
ECSD	EROS Data Center, Sioux Falls	
F29A	Eureka	
H26A	Fairpoint	
G30A	Faulkton	
H25A	Fruitdale	
J31A	Geddes	
F31A	Hecla	
G29A	Hoven	
H27A	Howes	
I32A	Karley and Nick, Howard	
LEA	Lead	
F27A	Lemmon	
F30A	Leola	
F26A	Lodgepole	
G26A	Maurine	
F28A	McLaughlin	
I28A	Midland	
SUSD	Miller	
BRSD	Miller	
H28A	Mission Ridge	
MC-	Mitchell	MC-SD
MC-SD	Mitchell	
G25A	Newell	
I26A	New Underwood	
I30A	Oacoma	
J29A	Okreek	
H29A	Onida	
G28A	Parade	
J32A	Parkston	
H33A	Prehn Over North, Clear Lake	
I27A	Quinn	
RCD	Rapid City	
RG-SD	Redig	
RG-	Redig	RG-SD
I25A	Rochford	
I31A	Royce, Wessington Springs	
SX-	Salem	SX-SD
SX-SD	Salem	
J26A	Sides Ranch, Smithwick	
SY-SD	Stickney	
SY-	Stickney	SY-SD
J25A	Sunshine Ranch, Edgemont	
F32A	Veblen	
I29A	Vivian Onida	
G32A	Webster	
WN-SD	Winner	
WN-	Winner	WN-SD
H31A	Wolsey	
Tennessee		
ANTN	Anderson	
ACTN	Antioch Church	
ARPT	Arp	
ABTN	Auburntown	
ASTN	Avondale Springs	
BCRT	Bacon Ridge	
W49A	Belvidere	
BSPT	Big Springs	
BFMT	Birchfield Mountain	
BHT	Blowhole	
BBTN	Blue Bank Bayou	
BRTN	Brown Mountain	
BKHT	Bunker Hill	
U44B	Burton Farm, Hornbeak	
CA-TN	Caryville	
CA-	Caryville	CA-TN
U48A	Cassie Pea, Portland	
CLTN	Cedars of Lebanon	
CV-	Centerville	CV-TN
CV-TN	Centerville	
CUET	Cent US Eq Cons	
CBHT	Chr Bro Hi School	
CBT	Christianburg	
CHTN	Church Hills	
U47A	Clarksville	
W51A	Cleveland	
CSPT	Cold Springs	
COTN	Columbia	
CRTN	Comb Ridge	
CPCT	Cooper Cave	
CPRT	Copper Ridge	
CVTN	Covington	
CCRT	Cow Camps Rge	
CS-TN	Crossville	
CS-	Crossville	CS-TN
CGTN	Cumberland Gap	
CPO5	Cumberland Plat.	CPOT
RSCP	Cumberland Plateau	
CPO	Cumberland Plateau	
CPOT	Cumberland Plateau	
CP-SO	Cumberland Plateau Observatory	
DYTN	Dayton	
DCT	Ducktown	
DY1	Dyersburg	
DRTN	Dyersburg	
EBZ	Ebenezer Church	
EDIT	Edith	
ETT	Etowah	
U53A	Fall Branch	
FGTN	Flat Gap	
FLPT	Flippin	
FPST	Four Points	
GLT	Gallatin	
GLAT	Glass	
GRT	Gratio	
GBTN	Greenback	
GRBT	Greenback	
GTTN	Green Top	
HALT	Halls	
HDBT	Hernando Brdge	
W45A	Hickory Valley	
V46A	Holladay	
HOPT	Hopper	
V45A	Humboldt	
HHT	Hurricane Hollow	
JS-TN	Jackson	
JS-	Jackson	JS-TN
U50A	Jamestown	
HPKT	Knoxville	
LF-TN	La Follette	
LF-	La Follette	LF-TN
U51A	La Follette	
DY2	Lassiter	
LTN	Lennox	
LNXT	Lenox	
LE-TN	Lewisburg	
LE-	Lewisburg	LE-TN
LMTN	Little Mountain	
LRKT	Look Rock	
V51A	Loudon	
MX-TN	Manchester	
MX-	Manchester	MX-TN
MVLT	Maryville	
V49A	McMinnville	
MM-	McMinnville	MM-TN
MM-TN	McMinnville	
MPH	Memphis	
MET	Memphis--Engineering Building	
W46A	Michie	
MILT	Milan	
MLNT	Millington	
MFTN	Millsfield	
MIST	Miston	
MOTN	Model	
NKT	Nankipoo	
NAIN	Natchez Trace	
NATN	Natchez Trace	
DY5	Near Lassiter	
U54A	Nelsons Funny Farm, Mountain City	
V47A	Nunnelly	
NAIT	NWS Agricenter	
OKG	Oak Grove	
ORT	Oak Ridge	
OGTN	Old Graveyard	
ONTN	Oneida	
OHTN	Owl Hoot	
PB-	Parsons	
PB-TN	Parsons	
PDTN	Piedmont	
V50A	Pikevile	
W48A	Pulaski	
RALT	Raleigh	
U49A	Red Boiling Springs	
RHT	Red Hill	
RDST	Rhodes College	
RCT	Riceville	
U45A	Rockin P Farm, Martin	
DY4	Samburg	
SHTN	Sandy Hook	
V52A	Sevierville	
SWTN	Sewanee	
SWET	Sewanee	
W44A	Shelby Farms Park, Memphis	
SFTN	Shelby Forest	
SMTN	Short Mountain	
W50A	Signal Mountain	
V48A	Smith Brothers Farm, Spring Hill	
U46A	Springville	
SLTN	Sullivan	
GILT	SW Tenn Gill Cnt	
TZTN	Tazewell	
TLT	Tellico Plains	
TCT	Tennessee City	
U52A	Thorn Hill	
TIPT	Tiptonville	
DY3	Tiptonville	
TSTN	Townsend	
TQTN	Tranquillity	
TKL	Tuckaleechee Caverns	
UGRT	Union Grove	
UTMA	University of Tennessee at Martin	
UTM	University of Tennessee at Martin	
UTMT	University of Tennessee at Martin	
VHTN	Van Hill	
WT-TN	Wartburg	
WT-	Wartburg	WT-TN
WVT	Waverly	
W47A	Westpoint	
WMTN	White Oak Mountain	
HDAR	W Memph W Sta	
WYBT	Wynnburg	
ZZT	Zu Zu	
Texas		
ABTX	Abilene, Hawley	
ALPN	Alpine	
FW14	Alvarado	
AMTX	Amarillo	
AZ-	Amarillo	AZ-TX
W29A	Amarillo	
AZ-TX	Amarillo	
433A	Art	
APMT	Aspermont	
AUS	Austin	
ATX	Austin	
FW06	Azle	
430A	Baggett Ranch, Ozona	
BM-TX	Balmorhea	
BM-	Balmorhea	BM-TX
327A	Balmorhea Ranch, Pecos	
536A	Bastrop	
BUTX	Baylor University	
325A	Bean Ranch, Sierra Blanca	
835A	Beeville	
934A	Benavides	
626A	Big Bend Ranch, Presidio	
628A	Black Gap, Marathon	
534A	Blanco	
Z36A	Blue Ridge	
MT1	Boracho Peak	
BRDY	Brady	
MT4	Brite Ranch	
340A	Bronson	
231A	Bronte	
229A	Bryant Ranch, Stanton	
139A	Bunkhouse Ranch, Marshall	
434A	Burnet	
326A	Caldwell Ranch, Toyah	
CGTX	Campo Grande	
CRHG	Carthage	
128A	Castleberry Farm, Seminole	
439A	Center Grove, Livingston	
337A	Centerville	
V28A	Channing	
833A	Chaparral WMA, Artesia Wells	
CEC	Childress 1	
CNE	Childress 2	
CNO	Childress 3	
CNW	Childress 4	
CSE	Childress 5	
CSW	Childress 6	
CWT	Childress 7	
634A	China Grove, San Antonio	
736A	Circle Diamond K Ranch, Victoria	
FW02	City of Haslet	
234A	Clairette	
FW13	Cleburne	
X30A	Coker Ranch, Turkey	
232A	Coleman	
Z34A	Collier Ranch, Chico	
CMTX	Cooper Mountain	
224A	Cornudas Mountain, Dell City	
MNTX	Cornudas Mountains	
ETX07	County Road 4760 near Route FM1970, Timpson	
ETX01	County Road 4772, Timpson	
528A	Cox Ranch, Sanderson	
W30A	Crocket Farms Inc., Mclean	
338A	Crockett	
539A	Cross D Ranch, Liberty	
535A	Dale	
DAL	Dallas	
DLS	Dallas	
FW01	Dallas Executive Airport	
V27A	Dan Oppiter Farms, Dalhart	
DRZT	Darrouzett	
429A	Davenport Ranch, Sheffield	
DRIO	Del Rio	
DNT	Denton	
DKNS	Dickens	
X28A	Dimmitt	
733A	Divot King Ranch, Dilley	
EF-	Eagle Flat	EF-TX
EF-TX	Eagle Flat	
EF01	Eagle Ford 01	
EF04	Eagle Ford 04	
637A	Eagle Lake	
MT2	Eagle Mountain	
EO2TX	Elmo	
EPT	El Paso	
EP-TX	El Paso	
EP-	El Paso	EP-TX
035A	Encino	
136A	Ennis	
832A	Faith Ranch, Carrizo Springs	
FW09	Farmers Branch	
738A	Farr-Stevens Ranch, Sargent	
FMTX	Flower Mountain	
ETX03	FM Road 95, Garrison	
SFTX	Fort Shafter	
FO-TX	Fort Stockton	
FO-	Fort Stockton	FO-TX
FRTX	Fuller Ranch	
GL-	Garland	GL-TX
GL-TX	Garland	
239A	Gary	
GA3TX	Grand Saline	
GA-TX	Grand Saline	
GA2TX	Grand Saline	
GV-	Grapevine	GV-TX
GV-TX	Grapevine	
537A	Green Hill Farm, Brenham	
GRI*	Grit	GR1TX
GR2TX	Grit	
GR2	Grit	GR2TX
GR1TX	Grit	
133A	Hamilton Ranch, Breckenridge	
035Z	Hargill	
538A	Harpers Horsepen, Conroe	
Z32A	Haskell	
427A	Hayter Ranch, Fort Stockton	
034A	Hebbronville	
HBVL	Hebbronville	
HE-	Hempstead	HE-TX
HE-TX	Hempstead	
137A	Heron Place, Grans Saline	
Y33A	Hilltop Ranch, Iowa Park	
HKT	Hockley	
HNDO	Hondo	
HOU	Houston	
HET	Houston--Electro-Tech	
Z29A	Hungry Hill Ranch, Wilson	
339A	Huntington	
HNVL	Huntsville, TX	
425A	Indio Mountain, Van Horn	
Z39A	Irene McRaven, Queen City	
238A	Jacksonville	
435A	Jarrell	
435B	Jarrell	
530A	J-C Ranch, Comstock	
JRTX	Jordan Ranch	
JCT	Junction City	
JU-TX	Juno	
JU-	Juno	JU-TX
236A	Katherine and Luke Keathley, Corsicana	
735A	Kenedy	
KTX	Kermit	
KM6	Kermit	
KME	Kermit	
KKT	Kermit	
KIT	Kermit	
KM9	Kermit	
KM3	Kermit	
KIE	Kermit	
KM2	Kermit	
KTT	Kermit	KIT
KTE	Kermit	
KM5	Kermit	
533A	Kerrville	
KIDD	KIDD Seismic Observatory, U. Texas El Paso	
428A	Kincaid Ranch, Fort Stockton	
KVTX	Kingsville	
440A	Kirbyville	
LTX	Lajitas	
TXAR	Lajitas Array Beam	

	Reference Point	
TX10	Lajitas Array Site 10	
TX11	Lajitas Array Site 11	
TX02	Lajitas Array Site 2	
TX03	Lajitas Array Site 3	
TX32	Lajitas Array Site 32	
TX04	Lajitas Array Site 4	
TX05	Lajitas Array Site 5	
TX06	Lajitas Array Site 6	
TX07	Lajitas Array Site 7	
TX08	Lajitas Array Site 8	
TX09	Lajitas Array Site 9	
TX00	Lajitas Ar. Site	
TX31	Lajitas Ar. Site	
LTB3	Lajitas B3	TX04
WHTX	Lake Whitney, Meridian	
734A	La Parita Creek, Jourdanton	
LP-TX	La Pryor	
LP-	La Pryor	LP-TX
933A	Laredo	
732A	Laxson Ranch, Crystal City	
635A	Leesville	
334A	Lometa	
LUB	Lubbock	
U28A	Mallet	
MTX	Marathon	
526A	Mary Lane Ranch, Marfa	
138A	Matatall Enterprise, Big Sandy	
MOT2	McDonald Obs.	MT2
MOT1	McDonald Obs.	
MOT3	McDonald Obs.	
MOT4	McDonald Obs.	
MOT	McDonald Observatory	
426A	McDonald Observatory, Fort Davis	
Y28A	McKinney Farm, Littlefield	
432A	Menard	
330A	Mertzon	
MSUEL	Midwestern State University	
MT3	Miller Ranch	
332A	Millersview	
MNHN	Monahans	
335A	Moody	
324A	Moseley Ranch, Sierra Blanca	
Z38A	Mt. Pleasant	
MLDN	Muldoon	
MSTX	Muleshoe	
NATX	Nacogdoches	
NSLM	New Salem	
936A	North Padre Island, Corpus Christi	
U29A	Oasis Ranch, Spearman	
ODSA	Odessa	
OZNA	Ozona	
PLPT	Palo Pinto	
PECS	Pecos	
Z35A	Perchaven, Sanger	
631A	Perdido Creek Ranch, Del Rio	
FW03	Perrin-Whitt Elementary School	
437A	Phantom Ranch, North Zulch	
RFTA	Plano	
Z37A	Pogue Cattle Company, Sulphur Springs	
Y29A	Porterfield Farm, Petersburg	
737A	Port Lavaca	
PO-TX	Post	
PO-	Post	PO-TX
POST	Post	
ETX02	Prairie Street, Timpson	
PRST	Prospect	
Y31A	Rekieta Farm, Paducah	
333A	Richland Springs	
336A	Riesel	
233A	Rising Star	
RTBA	Rita Blanca	
131A	Roby	
531A	Rocksprings	
532A	Rocksprings	
638A	Rosharon	
ETX06	Route 59 and County Road 4763, Timpson	
ETX04	Route FM415 near Route 87	
Y32A	R-V Farms, Vernon	
633A	Saathoff Ranch, Hondo	
438A	Sam Houston State University, Huntsville	
SMWD	Samnorwood	
SA4	San Angelo	SA4TX
SA2	San Angelo	SA2TX
SA4TX	San Angelo	
SA2TX	San Angelo	
331A	San Angelo	
SAT1	San Antonio Texas	
SNAG	San Augustine	
SS-	Sanderson	SS-TX
SAND	Sanderson	
SS-TX	Sanderson	
Z30A	Sanderson Ranch, Post	
SJ-TX	San Jose	
SJ-	San Jose (USA)	SJ-TX
SM-TX	Seymour	
SM-	Seymour	SM-TX
SK-TX	Shamrock	
SK-	Shamrock	SK-TX
Z31A	Sharp Cattle Ranch, Aspermont	
SB1	Sierra Blanca Array Site 1	
SB2	Sierra Blanca Array Site 2	
SB3	Sierra Blanca Array Site 3	
636A	Smothers Creek Ranch, Hallettsville	
130A	Snyder	
SN07	Snyder 07	
SN01	Snyder 1	
SN02	Snyder 2	
SN03	Snyder 3	
SN04	Snyder 4	
SN05	Snyder 5	
SN06	Snyder 6	
431A	Sonora	
V30A	Spur Ranch, Miami	
Y30A	Stafford Cattle Company, Roaring Springs	
230A	Sterling City	
SGCY	Sterling City	
529A	Stev Forest Ranch, Sanderson	
129A	Stewart Farms, Lamesa	
V29A	Stinnett	
ST2TX	Streeter	
ST2	Streeter	ST2TX
ST1	Streeter	ST1TX
ST4	Streeter	ST4TX
ST1TX	Streeter	
ST4TX	Streeter	
627A	Terlingua Ranch, Terlingua	
TREL	Terrell	
FW15	Texas Christian University	
U27A	Thompson Grove	
834A	Tilden	
TTX	Tres Cuevas	
Z28A	Tucker Farm, Meadow	
X29A	Tulia	
FW04	University of Dallas	
FW11	UT at Arlington	
FW05	UT at Dallas	
228A	UT Block 9, Goldsmith	
632A	Uvalde	
VHRN	Van Horn	
W28A	Vega	
FW12	Venus	
135A	Vickery Place, Crowley	
540A	Vidor	
329A	Wagon Wheel Ranch, Midkiff	
436A	Wall Ranch, Gause	
237A	Washetta, Montalba	
FW16	Waxahatchie	
FW07	Weatherford	
Z33A	Whitaker Ranch, Olney	
134A	White-Moore Ranch, Lipan	
WP-TX	Wills Point	
WTFS	Witchita Falls	
527A	Woodward Ranch, Alpine	
328A	Wristen Ranch, Grandfalls	
ZAV	Zavalia	
TPB21		
TSN09		
TSN10		
TDG01		
TMB07		
TPB30		
TPB29		
TPB28		
TPB14		
TDG03		
TPB17		
TPB18		
CCUT	Cedar City	
EVIN	Evansville	
GBLCO	Glass Buttes, Lake County, Oregon	
HAIL	Harrisburg (Southeastern Illinois College)	
IPFO	International Monitoring System (IMS) Pinon Flats Observatory Seismic Station	
LTL	Livingston	
RBOH	Red Brook Ohio	
SLOH	Shawnee Lookout	
Utah		
AAU	Alta	
AMF	American Fork	
ANU	Antelope Island	
ARUT	Antelope Range	
ARGU	Argyle Ridge	
BAP	Bailey Peak	
BTU	Barney Top	
P13A	Bates Ranch, Gandy	
BCU	Bear Canyon	
BHUT	Beaver	
BVK	Beaver Lake	
BKU	Beaver Lake Mountains	
BDU	Big Dutch Hollow	
BGU	Big Grassy Mountain	
BIU	Bingham Canyon	
BMUT	Black Mountain	
S17A	Black Ridge (BLM), Bullfrog Basin	
BX-UT	Blanding	
BX-	Blanding	BX-UT
BSUT	Blindstream Canyon, Hanna	
BHU	Blowhard Mountain	
BCE	Book Cliffs East	
BPU	Bountiful Peak	
BCUT	Brigham City	
BYU	Brigham Young University	
BRUT	Bromley	
BBUT	Bumble Bee	
P17A	Butcher Ranch, Price	
CTU	Camp Tracy	
CWU	Camp Williams	
R18A	Canyonlands National Park, Moab	
Q16A	Castle Valley Ranch, Emery	
S14A	Cedar City	
CVH	Cedar City	
CCU	Cedar City	
IAE	Cedar City, Iron County	
CCPU	Cedar City Park	
CVE	Cedar Cove	
CMU	Cedar Mountain	
CPU	Coon Peak	
CFU	Cove Fort	
R19A	Curley Farm, La Sal	
DAU	Daniels Canyon	
DCU	Deer Creek Reservoir	
DBD	Des Bee Dove	
P14A	Drum Mountains (BLM), Topaz	
DWU	Dry Willow Peak	
DCM	Dugout Coal Mine	
DUG	Dugway, Tooele County	
EPU	East Promontory	
ETU	East Traverse Mountains	
ELU	Electric Lake	
EOCU	Emergency Operations Center, State Capitol Campus, Salt Lake City, UT, USA	
EMUT	Emma Park	
Q15A	Fillmore	
FM-UT	Fillmore	
FM-	Fillmore	FM-UT
FSU	Fish Springs	
FGU	Flaming Gorge	
FLA	Flat	
FLU	Fool Peak	
FDU	Ford Ridge	
P16A	Fountain Green	
FPU	Francis Peak	
GRD	Gardner Farm	
MGCU	Grand County Courthouse, Moab, UT	
GMU	Granite Mountain	
N14A	Grayback Hills BLM, Clive	
GZU	Grizzly Peak	
GSUT	Gun Site Peak	
HLJ	Hailstone	
R17A	Hanksville Airport, Hanksville	
HVU	Hansel Valley	
HRUT	Hardware Ranch	HWUT
HWUT	Hardware Ranch	
S19A	Harvey Farm, Monticello	
HEB	Heber	
HMU	Henry Mountain	
O13A	Hicks Ranch, Ibapah	
HAFB	Hill Air Force Base, Hill AFB, UT, USA	
Q19A	Hogan Spring (BLM), Cisco	
HRU	Hogsback Ridge	
HFSU	Holladay Fire Station, Holladay, Utah	
S13A	Holt Ranch, Enterprise	
HONU	Honeyville	
HCU	Horse Canyon	
HTU	Hoyt Peak	
M16A	Huntsville	
T14A	Hurricane	
HHS	Hurricane	
S18A	Hurst Farm, Blanding	
HDU	Hyde Park	
ICU	Indian Springs Canyon	
IMU	Iron Mountain	
R14A	James Farms, Milford	
N19A	John Jarvie Ranch (BLM), Flaming Gorge	
JLU	Jordanelle	
R15A	Junction	
KNB	Kanab	
KN-UT	Kanab	
KN-	Kanab	KN-UT
KEUT	Kanab	
KLJ	Keetly	
KDUT	Kidman Hollow	
LDJ	Lady	
LMUT	Lake Mountain	
LMU	Lake Mountain	
LSU	Lake Shores	
N18A	Larsen Ranch, Manila	
M15A	Larsen Ranch, Promontory	
P15A	Leamington	
LEE	Leeds	
LDS	Leeds	
LEVU	Levan	
LVU	Levan Peak	
LCMT	Little Creek Mountain	
LHUT	Little Humpy Peak	
LTU	Little Mountain	
LOG	Logan	
LBUT	Lower Browns Hole	
LWA	Lower Mag Wash	
LSUT	Lucky Star	
MWA	Mag Wash	
MPU	Maple Canyon	
MSU	Marysvale	
MVU	Marysvale	
MGU	Meadow Creek Golf Course	
T18A	Mexican Hat	
MHD	Mile High Drive	
MNU	Milford North	
O19A	Miners Draw (BLM), Jensen	
MMU	Miners Mountain	
MBUT	Moab	
N17A	Moffit Pass	
MCU	Monte Cristo Peak	
MTUT	Morton Thiokol	
MOUT	Mount Ogden	
MTPU	Mount Pierson	
NAIU	Northern Antelope Island	
NLU	North Lily Mine	
NMUT	North Mineral Mountain	
NOQ	North Oquirrh Mountains	
NSU	North Stansbury	
OGU	Ogden Bay	
R13A	O'Grain Ranch, Modena	
OWUT	Old Woman Plateau	
OPL	Opal Mound	
PST	Pasture Canyon	
PBU	Perry Basin	
PSUT	Pine Spring	
PKCU	Pink Cliffs	
PUU	Piute Reservoir	
PCY	Pole Canyon	
PTU	Portage	
P18A	Preston Nutter Ranch, Sunnyside	
PCU	Price	
PPU	Promontory Point	
Q18A	Rafter H Ranch, Green River	
RMU	Rainbow Monument	
RBU	Red Butte Canyon	
T15A	Red Dirt Ranch, Kanab	
RDMU	Red Mountain	
RSUT	Red Spur Mountain	
N16A	Rees Ranch, Coalville	
PEUT	Richfield	
RVUT	Riverside	
ROA	Roan Cliffs	
O17A	Robinson Place, Fruitland	
O18A	Roosevelt	
RHU	Roosevelt Hot Springs	
RPF	Rose Park Fire Station, Salt Lake City, UT	
RCJ	Ross Creek	
WDO	Saint George	
T13A	Saint George	
SGIAR	Saint George Infrasonic Array Beam Reference Point	
SGI01	Saint George Infrasonic Array Site 1	SGIAR
SGI02	Saint George Infrasonic Array Site 2	
SAU	Saltair	
SLC	Salt Lake City	
SRU	San Rafael Swell	
SCUT	Santa Clara	
SNQU	Santaquin	
SUU	Santaquin Canyon	
Q14A	Sevier Lake (BLM), Delta	
SCU	Sheep Canyon	
M14A	Sheep Mountain BLM, Rosette	
SZCU	Shurtz Canyon	
SNO	Snow College	
AIUT	Southern Antelope Island	
SAIU	Southern Antelope Island	
SPUT	South Promontory Point	
O16A	Springville	
SQU	Squaw Peak	
SBU	Stansbury Island	
N15A	Stansbury Island BLM, Grantsville	
SNUT	Stansbury North	
SNU	Stansbury North	
SGU	Sterling	
SGSU	St. George Fire Station	
SUN	Sunnyside	
SMU	Sunnyside Mine	
R16A	Teasdale	
O15A	The Old Anderson's Place, Rush Valley	
TCRU	Three Creeks Reservoir	
TCVU	Timpanogos Cave	
TCUT	Toone Canyon	
TMUT	Trail Mountain	
UBO	Uinta Basin Array	
CAPU	Utah State Capitol	
VNL	Vernal	
VLU	Vernal	
VN-	Vernal	VN-UT
VN-UT	Vernal	
WW-UT	Wah Wah Mountains	
WW-	Wah Wah Mts	WW-UT
WCO	Washington City	
REUT	Washington Fields	
WBC	Weber Canyon	
WVUT	Wellsville	
S16A	Weppner Ranch, Escalante	
WTU	Western Traverse Mountains	
WMUT	West Mountain	
WMU	West Mountain	
Q13A	Wheeler Ranch, Garrison	
WHU	Wild Horse	
WLD	Wild Horse Canyon	
WLJ	Wildlife	
WCU	Willow Creek	
ZNPU	Zion National Park	
Vermont		
BLVT	Baltimore	
BUR	Burlington	
J61A	Chester	
COV	Colchester	
DVT	Derby	
FLET	Fletcher	
FLE	Fletcher	FLET
HBVT	Hinesburg	
IVT	Ira	
H61A	Lyndonville	
MARL	Marlboro	
MDV	Middlebury	
MCVT	Middlebury College	
MGVT	Montgomery	
MPVT	Montpelier	
H60A	Morristown	
NRT	Northfield	
I61A	Oroboro, Fairlee	
I60A	Shoreham	
VT1	Waterbury	
Virginia		
S61A	Accomac	
BV1	Bath County 1	
BV2	Bath County 2	
BV3	Bath County 3	
BV4	Bath County 4	
BI-VA	Big Stone Gap	
BI-	Big Stone Gap	BI-VA
BAV	Blacksburg	
BLA	Blacksburg	
R56A	Bull Pasture Mountain, McDowell	
CVRD	Centerville Road, Mineral	
CVVA	Charlottesville	
CVL	Charlottesville	
CVV	Charlottesville	CVL
CLT	Charlottesville	
CTV	Charlottesville	
CI-VA	Clintwood	
CI-	Clintwood	CI-VA
CNV	Corbin	CBN
CBN	Corbin Fredericksburg Observatory	
IP01	Cuckoo	
CCVA	Cudjo Caverns	
CG-	Cumberland Gap	CG-VA
CG-VA	Cumberland Gap	
S57A	Dark Hollow, Roseland	
T59A	Double "B" Farms	
ER308	Early Rise 308	
ER309	Early Rise 309	
ER310	Early Rise 310	
ER311	Early Rise 311	
ER312	Early Rise 312	
ER313	Early Rise 313	
ER314	Early Rise 314	
ER315	Early Rise 315	

Code	Station Name	Other
ER316	Early Rise 316	
ER317	Early Rise 317	
ER318	Early Rise 318	
FRV	Farmville	
Q58A	Fox Den Farm, The Plains	
FTV	Front Royal	
GSR	Geological Survey, Reston	
GHV	Goochland	
T58A	Grand View Acres	
IP04	Greensprings	
GD-	Grundy	GD-VA
GD-VA	Grundy	
HBV	Harrisonburg	
IP05	Hopewell Church	
T57A	Hurt	
JSRW	J. Sargeant Reynolds Community College	
KMV	Keen Mountain	
R59A	King George, VA	
LEX	Lexington	
LRVA	Lonesome Ridge	
IP03	Louisa	
S59A	Mechanicsville	
R58B	Mineral	
NAV	Narrows	
S56A	Natural Bridge	
NA2	North Anna	
NA12	North Anna	
NA11	North Anna	
NA5	North Anna	
NV1	North Anna 1	
NV2	North Anna 2	
NV3	North Anna 3	
NV4	North Anna 4	
NV5	North Anna 5	
NV6	North Anna 6	
NV7	North Anna 7	
PTRD	Partlow Road	
PBV	Petersburg	
PLVA	Point Lookout	
S58A	Poland Farm, Powhatan	
VWV	Potts Mountain	
ELN	Prospectdale	
T55A	Pulaski	
PUV	Pulaski	
IP07	Quail	
RCRC	Randolf College Riding Center, Lynchburg	
R58A	Rapidan	
T56A	Rocky Mt	
SU-VA	Schuyler	
SU-	Schuyler	SU-VA
SPFD	Spotsylvania Fire Department	
SPRD	Spring Road, Mineral	
R57A	Stanardsville	
Q57A	Strasburg	
T60A	Surry	
T54A	Tazewell	
URVA	University of Richmond	
VBV	Virginia Beach	
VWCC	Virginia Western Community College	
WMV	Walker Mountain	
S60A	Water View	
T53A	Wise	
IP06	Yanceyville	
Washington		
ALCT	Alcott Elementary School	
ALKI	Alki Wastewater Plant ANSS-SMO	
APW	Alpha Peak	
ALD	Alter Ridge	
F04A	Amboy	
ATES	Arlington Trafton Elementary School	
ACES	Army Corps of Engineers Seattle ANSS	
APM	Augspurger Mountain	
BDG	Badger Mountain	
BABE	Bainbridge School	
BLH	Bald Hill	
BFW	Baw Faw Mountain	
BLL	Bellingham	
RBEN	Benson Hill Elementary School	
BENWA	Benson Ranch	
BVW	Beverly	
BLTW	Bickleton	
BRVW	Black Rock Valley	
BW-WA	Blewett	
BW-	Blewett	BW-WA
BLN	Blyn Mountain	
BEVT	Boeing Everett	
BSFP	Boeing Fire Protection	
BMW	Boistfort Mountain	
C04A	Brinnon	
BRKS	Brookside Elementary School	
B05A	Bryant	
MURR	Camp Murray	
CPW	Capitol Peak	
CC-WA	Cascade Tunnel	
CDFW	Cedar Flats	
CDMR	Cedar Moraine	
CBW	Chelan Butte	
CBSW	Chelan Butte South	
B10A	Chitwood Farm, Usk	
C09A	Chrisman Ranch, Davenport	
E04D	Cinebar	
D06A	Cle Elum	
KDKW	Coast Env Seattle	
B201	Coldwater, Mount Saint Helens	
CLW	Colville	
B08A	Colville Reservation, Omak	
CE-WA	Concrete	
CE-	Concrete	CE-WA
CNL	Connel	
CRF	Corfu	
CWZ	Cowlitz River	
CZM	Crazy Man Mountain	
CSEN	Crystal Springs Elementary School	
CMW	Cultus Mountains	
A09A	Danville	
DPW	Davenport	
DVW	Davenport	
E08A	Dider Farm, Eltopia	
D04A	Dobbs Creek Ranch, Lacey	
DHW	Dyer Hill	
DHW2	Dyer Hill 2	
ESD	East Dome	
EARN	East Ridge Elementary School	
ELW	Echo Lake	
D03D	Eldon	
ERK	Elk Rock	
EL-WA	Ellensburg	
EL-	Ellensburg	EL-WA
EBG	Ellensburg	
ET2	Eltopia	
ET3	Eltopia	
ETP	Eltopia	
ETW	Entiat	
D05A	Enumclaw	
EPH	Ephrata	
EPW	Ephrata	
EUW	Eureka	
EVCC	Everett College ANSS-SMO	
EVGW	Everett Gateway Middle School ANSS-SMO	
EGRN	Evergreen College	
FTW	Fairmont	
FPW	Fields Point	
FINN	Finn Hill Junior High School	
FL2	Flat Top 2	
FHE	Frenchman Hills East	
GBB	Gable Butte	
GBL	Gable Mountain	
GHW	Garrison Hill	
GTWN	Georgetown Playfield ANSS-SMO	
GLK	Glacier Lake	
GC-	Glacier Peak	GC-WA
GC-WA	Glacier Peak	
GPW	Glacier Peak	
F06A	Goldendale	
GMW	Gold Mountain	
GCW	Grand Coulee	
GSM	Grass Mountain	
MGOO	Greenacres	
GNW	Green Mountain	
GRCC	Green River Community College BBO	
GULW	Guler Mountain	
HAN	Hanford	
HAWA	Hanford	
HGB	Hanford Gable Butte	
HART	Harbor Island ANSS-SMO	
HTW	Haystack Lookout	
RHAZ	Hazelwood Elementary School	
C08A	Higginbotham Farm, Almira	
HICC	Highline Community College ANSS-SMO	
HOLY	Holy Rosary School	
HDW	Hoodsport	
HHH	Horse Heaven Hills	
HSW	Hot Spot	
HUBA	Hudson Bay High School ANSS-SMO	
NIHS	Ingelmoor High School	
JCW	Jim Creek	
SSS1	John Stanford Center Downhole Anss-SM	
D09A	Jones Farm, Ritzville	
JRO	Jston Ridge Obs	
JLK	June Lake	
B941	Kapowsin	
KE-	Kennewick	KE-WA
KE-WA	Kennewick	
KNEL	Kent Elementary ANSS-SMO	
KIMB	Kimball Elementary School	
TKCO	King County	
KIMR	Kitsap County Moderate Risk Waste Facility	
KINR	Kitsap County North Road Shed	
KITP	Kitsap County Wastewater Treatment Plant	
KOSW	Kosmos	
LMW	Ladd Mountain	
D04D	Lakebay	
D04E	Lakebay	
LVP	Lakeview Peak	
LW-WA	Lake Wenatchee	
LW-	Lake Wenatchee	LW-WA
LSW	Landslide	
LAWT	Lawton Elementary School	
C06D	Leavenworth	
E03A	Lebam	
A04A	Legoe Bay, Lummi Island	
LEOT	Leota Junior High School	
LTY	Liberty	
LOCW	Locke Island	
LON	Longmire	
LCW	Lucas Creek	
A04D	Lummi Island	
LYW	Lyman	
LY-WA	Lynden	
LYNC	Lynnwood City Hall ANSS-SMO	
MNWA	Manchester	
A05A	Maple Falls	
MPL	Maple valley SMO-IDS24	
B06A	Marblemount	
MARYW	Marymoor Park	
MAY	Mayfield	
MJ2	May Junction 2	
MEW	McNeil Island	
MEAN	Meany Midle School ANSS-SMO	
MEGW	Megler CREST BB SMO	
MDW	Midway	
MBPA	Monroe Substation	
B017	Montesano	
ASR	Mount Adams--Stagman Ridge	
MBW	Mount Baker	
MU-WA	Mount Baker	
MCW	Mount Constitution	
ERW	Mount Erie	
FMW	Mount Fremont	
MTMW	Mount Mitchell	
RCM	Mount Rainier--Camp Muir	
RCS	Mount Rainier--Camp Schurman	
REMR	Mount Rainier--Emerald Ridge	
RSU	Mount Rainier--Summit	
RVC	Mount Rainier--Voight Creek	
SHW	Mount Saint Helens	
VALT	Mount Saint Helens Crater	
MSH21	Mount St. Helen	
MSH31	Mount St. Helen	
MSH11	Mount St. Helen	
MXC	Moxie City	
MU-	Mt Baker	MU-WA
E10A	Myers Farm, Uniontown	
NAC	Naches	
NBW	Neah Bay	
NLWA	Neilton Lookout	
NLW	Nelson Butte	
GL2	New Goldendale	
NEW	Newport	
I56US	NEWPORT INFRASONIC ARRAY REFERENCE POINT	
NOWS	NOAA--Sand Point	
A10A	Northport	
OHW	Oak Harbor	
OBSR	Observation Rock	
OCWA	Octopus Mountain	
OOW	Octopus West	
ODS	Odessa	
OD2	Odessa Site #2	
OCP	Olym-Cheeka Pk	
OFR	Olym-F Res Ctr	
OLW	Olympia	
OPC	Olympic Penn College CREST BB SMO	
OBC	Olympics--Bonidu Creek	
OBH	Olympics--Burnt Hill	
OFK	Olympics--Forks	
OLQ	Olympics--Lake Quinault	
ON2	Olympics--North River	
ONR	Olympics--North River	
OSR	Olympics--Salmon Ridge	
OSD	Olympics--Snow Dome	
OSP	Olympics--Sooes Peak	
OTR	Olympics--Tyee Ridge	
OMW	Omak	
E04A	Onalaska	
OT2	Othello	
OTH	Othello	
OT3	Othello 3	
PABH	Pacific Beach Navy Resort	
PANH	Panhandle Gap, Mount Rainier	
PATW	Paterson	
PAT2	Paterson 2	
F07A	Phinny Hill Vineyards, Prosser	
PIER	Pier 30 Seattle	
PCEP	Pierce County East Precinct	
PCFR	Pierce County Firing Range	
PCMD	Pierce County Mountain Detachment	
PNLK	Pine Lake Middle School	
PH-WA	Pomeroy	
B04A	Port Angeles	
PGW	Port Gamble	
PRW	Prosser	
PSNS	PSNS Bremerton SMO	
PAYL	Puyallup School ANSS-SMO	
B203	Quarry, Mount Saint Helens	
QAW	Queen Anne	
B013	Quilcene	
C03A	Quillayute Airport, Forks	
D07A	Quincy	
RADR	Rader Ridge	
RAFT	RAFT	
RAIO	Rainier	
E05A	Randle	
RWW	Ranney Well	
RSW	Rattlesnake Hills	
RATT	Rattlesnake Lake	
RMW	Rattlesnake Mountain	
RAW	Raver	
B019	Raymond	
REDWA	Red Mountain	
REMW	Rembrandt	
B09A	Rice	
RCW	Richland	
RRHS	Rochester High School	
RPW	Rockport	
RPK	Roosevelt	
RVW	Rose Valley	
ROSS	Ross	
RC1	Royal City	
SDL	Saddle Mountain	
SAW	Saint Andrews	
P403	Sandy Floe Quarry	
SEA	Seattle	
STT	Seattle	
SEND	SEND	
SEPW	September Lobe	
SQM	Sequim	
SPW	Seward Park	
SP2	Seward Park 2	
SCW	Sherman Crater--Mount Baker	
SCCW	Shoreline CC	
SHUK	Shuksan-Mt. Baker Ski Area	
SBES	Silver Beach Elementary School	
SVOH	Skagit Valley Community College	
	ANSS SMO	
SYR	Smyrna	
SNIWA	Snively Ranch	
SOSW	Source of Smith Creek	
SMW	South Mountain	
HSR	South Ridge	
SWFL	Southwest Flank Mount Saint Helens	
SWF2	Southwest Flank, Mt. St. Helens	
SWID	South Whidbey SD ANSS-SMO	
C10A	Spilker Farm, Colbert	
SPN5	Spine 5 MSH Spider	
SPO	Spokane	
SNIO	Spokane Nat. Inst. Occ. Safety SMO	
SFER	Spokane Schools, Ferris High School ANSS-SMO	
SHLY	Spokane Temp K2 (Swanson)	
SR41	SR410 Landslide	
STW	Striped Peak	
STD	Studebaker Ridge	
BOLM	Sugar Bowl	
SLFW	Sugar Loaf	
SMNR	Sumner High School ANSS-SMO	
E07A	Sunnyside	
TBM	Table Mountain	
TBPA	Tacoma Substation	
TAHO	Taholah School, Taholah	
C06A	Tall Timber Ranch, Leavenworth	
TWW	Teanaway	
C05A	Tolt Reservoir	
TTW	Tolt Reservoir	
TK-	Tonasket	TK-WA
TK-WA	Tonasket	
TR-WA	Toppenish Ridge	
TRW	Toppenish Ridge	
TDL	Tradedollar Lake	
TUM	Tumwater	
A08A	Turner Farm, Oroville	
SVTR	Two Rivers School, Snoqualmie Valley	
UPS	University of Puget Sound	
UWFH	University of Washington Friday Harbor	
VTG	Vantage	
VT2	Vantage 2	
VVHS	Vashon High School SMO	
D10A	Wagner Farm, Oakesdale	
WAH	Wahluke	
WAH2	Wahluke Slope	
WWHS	Walla Walla High School ANSS SMO	
WGW	Wallila Gap	
WG3	Wallula Gap	
WG2	Wallula Gap	
WRD	Warden	
H2OWA	Water	
C07A	Waterville	
WTV	Waterville	
WNS	Wenas	
WNW	Wenatchee	
WEN	Wenatchee	WNW
WRW	Wenatchee Ridge	
WBL	White Bluff	
WPW	White Pass	
F05A	White Salmon	
F05D	White Salmon	
WISC	Wilburton Instructional Services Center	
WBW	Wilson Butte	
B202	Windy Ridge, Mt. St. Helens	
B07A	Winthrop	
WISH	Wishkah	
D03A	Wishkah Elem. School, Wishkah	
D08A	Wollman Farm, Schrag	
WIW	Wooded Island	
E09A	Wood Farm, Starbuck	
YA-WA	Yakima	
YAKW	Yakima	
E06A	Yakima	
YA-	Yakima	YA-WA
YA2	Yakima	
YPT	Yellepit	
YEL	Yellow Rock	
West Virginia		
AB-WV	Amboy	
AB-	Amboy	AB-WV
BL-WV	Beckley	
BL-	Beckley	BL-WV
BZ-WV	Buckhannon	
Q55A	Buckhannon	
BZ-	Buckhannon	BZ-WV
P54A	Burton	
Q54A	Coxs Mills	
CX-WV	Craigsville	
CX-	Craigsville	CX-WV
P56A	Dayton Farm, Ripley	
S54A	Dingess, Beckley	
ER306	Early Rise 306	
ER307	Early Rise 307	
FWV	Forest Hill	
FN-WV	Franklin	
FN-	Franklin	FN-WV
GBV	Green Bank	
HWV	Hinton	
P57A	Homestead Farm, Martinsburg	
R53A	Hurricane	
Q53A	Leroy	
S55A	Lewisburg	
R55A	Marlinton	
MCWV	Mont Chateau	
MRG	Morgantown	
PX-WV	Philippi	
PX-	Philippi	PX-WV
PE-WV	Pineville	
PE-	Pineville	PE-WV
PWV	Princeton	
RN-	Rainelle	RN-WV
RN-WV	Rainelle	
P55A	Reedsville	
Q56A	Snyder Ridge, Maysville	

Code	*Station Name*	*Other*
R54A	Victor	
S53A	Williamson	
Wisconsin		
G41A	Antigo	
AO-	Argonne	AO-WS
AO-WS	Argonne	
I41A	Arkdale	
H39A	Augusta	
AR-WS	Aurora	
AR-	Aurora	AR-WS
BA-	Baldwin	BA-WS
BA-WS	Baldwin	
K43A	Burlington	
H40A	Chili	
CF-	Colfax	CF-WS
CF-WS	Colfax	
J42A	Columbus	
COWI	Conover	
CN-	Cornell	CN-WS
CN-WS	Cornell	
I42A	Draeger Farm, Ripon	
F37A	Hinrichs Farm, Grantsburg	
G39A	Holcombe	
JFWS	Jewell Farm	
H41A	Junction City	
I43A	Langenfeld Brothers Farm, Elkhart Lake	
J41A	Loganville	
F39A	Loretta	
WI03	Lunz Road, Clintonville	
MDS	Madison	
H38A	Maiden Rock	
F42A	Maple Grove Farm, Niagara	
WI01	McKinley Avenue, Clintonville	
MF-WS	Medford	
MF-	Medford	MF-WS
E39A	Mellen	
MLW	Milwaukee	
G42A	Mountain	
J43A	Natural Harvest Farm, Hartford	
NG-WS	Niagara	
NG-	Niagara	NG-WS
I40A	Norwalk	
F40A	Park Falls	
F38A	Pierce - Schroeder Farm, Trego	
K42A	Prairie Point, Evansville	
WI02	Reinke Road, Clintonville	
RL-	Rib Lake	RL-WS
RL-WS	Rib Lake	
G40A	Rib Lake	
RLW	Rice Lake	
G38A	Ridgeland	
WI04	River Road, Clintonville	
H42A	Shiocton	
K41A	Shullsburg	
J40A	Soldiers Grove	
E38A	The Farm, Brule	
F41A	Three Lakes	
TM-	Tomahawk	TM-WS
TM-WS	Tomahawk	
UWM	University of Wisconsin at Milwaukee	
H43A	Windswept, Luxemburg	
Wyoming		
I22A	9 Mile Ranch, Kaycee	
K19A	Absolon Red Butte, Lander	
K21A	Alcova	
ALPW	Alpine	
K24A	Anderson Ranch, Keeline	
ANGW	Angle Mountain	
AVOW	Apres Vouz Peak	
BEAW	Beaver Mountain	
YPBE	Bechler	
H21A	Big Horn, Sheridan	
I21A	Big Trails, Ten Sleep	
BDW	Boulder	
PD06	Boulder Array	BW06
BW06	Boulder Array Site 6	
K23A	Bowen Ranch, Douglas	
YPBR	Bridge Bay	
J17A	Brown Place, Jackson	
CJW	Canyon Junction	
YPCJ	Canyon Junction	
K22A	Casper	
M22A	Cedar Creek Ranch, Saratoga	
M24A	Cheyenne	
CY-WY	Cheyenne	
CY-	Cheyenne	CY-WY
H23A	Clabaugh Cattle Company, Gillette	
H22A	Clearmont	
L17A	Cokeville	
COLW	Colter Canyon	
J19A	Crowheart	
I18A	Diamond G Ranch, Dubois	
J23A	Dilts Ranch, Bill	
H24A	Dirks Ranch, Alva	
J24A	Dixon Ranch, Lance Creek	
YPEE	East Entrance	
L22A	Ellis Ranch, Medicine Bow	
L19A	Farson	
FLWY	Flagg Ranch	
L18A	Fontenelle, Green River	
FXWY	Fox Creek	
K17A	Gardner Place, Afton	
L23A	Garrett	
TARW	Grand Targhee Resort	
YPGV	Grant Village	
H17A	Grant Village	
H20A	Greybull	
HK-	Hawk Springs	HK-WY
HK-WY	Hawk Springs	
YHR	Hawk`s Rest	
HAYW	Haystack Fork	
YHH	Holmes Hill	
YPHS	Hot Springs Basin	
IMW	Indian Meadow	
JLDW	Jackson Lake Dam	
YJC	Joseph's Coat	
KSWY	Kelly School	
J18A	Kendall Valley, Cora	
I24A	Kuemmerle Ranch, Upton	
LKWY	Lake	
YPLA	Lake Butte	
YPLB	Lake Butte	
YPLK	Lake Junction	
ID10	Lander Cutoff	
M23A	Laramie	
LAR	Laramie	
YLT	Little Thumb Creek	
LOHW	Long Hollow	
M18A	Lyman	
J21A	Lysite	
MJW	Madison Junction	
YMR	Madison River	
MHS	Mammoth Hot Springs	
YMV	Mammoth Vault	
YMC	Maple Creek	
YML	Mary Lake	
YPML	Mary Lake	
I23A	Meade Ranch, Gillette	
I19A	Meeteetse	
J22A	Midwest	
YMP	Mirror Lake Plateau	
MOOW	Moose Ponds	
YMS	Mount Sheridan	
MVW	Mud Volcano	
YNB	Natural Bridge	
NJW	Norris Junction	
YNR	Norris Junction	
YPOF	Old Faithful	
YFT	Old Faithful	
PACW	Pacific Creek	
M25A	Palm-Egli Farm, Albin	
YPK	Parker Peak, Yellowstone National Park	
YPPC	Pelican Cone	
I17A	Pilgrim Ck.	
PHWY	Pilot Hill	
PHWY1	Pilot Hill -- Preliminary Site	
PI5	Pinedale	
PI2WY	Pinedale	
PI7	Pinedale	
PI1	Pinedale	
PI6	Pinedale	
PI4	Pinedale	
PI-	Pinedale	PI-WY
PI3	Pinedale	
PI2	Pinedale	
PI-WY	Pinedale	
PIN	Pinedale	
PDAR	Pinedale Array Beam Ref. Point	
PD01	Pinedale Array Site 1	
PD10	Pinedale Array Site 10	
PD11	Pinedale Array Site 11	
PD12	Pinedale Array Site 12	
PD13	Pinedale Array Site 13	
PD02	Pinedale Array Site 2	
PD03	Pinedale Array Site 3	
PD31	Pinedale Array Site 31	PDAR
PD32	Pinedale Array Site 32	
PD04	Pinedale Array Site 4	
PD05	Pinedale Array Site 5	
PD07	Pinedale Array Site 7	
PD08	Pinedale Array Site 8	
PD09	Pinedale Array Site 9	
PDIAR	Pinedale Infrasonic Array Beam Reference Point	
YPP	Pitchstone Plateau	
PMW	Pole Mountain	
PM-WY	Pole Mountain	
PM-	Pole Mt.	PM-WY
H19A	Powell	
YPM	Purple Mountain	
RAMW	Rammel Mountain	
RWWY	Rawlins	
L21A	Rawlins	
REDW	Red Top Meadow	
M19A	Rock Springs	
M17A	Scullys Gap (BLM), Evanston	
M21A	Separation Peak, Rawlins	
H18A	Shoshone NF, Cody	
J20A	Shoshoni	
SNOW	Snow King Mountain	
YPSB	Soda Butte	
YPSE	South Entrance	
STEW	Steamboat Mountain	
M20A	Sweetwater, Wamsutter	
TPAW	Teton Pass	
YTP	The Promontory	
TL-WY	Thermopolis	
K18A	Toltan Ranch, Big Piney	
YTC	Trail Creek	
TRXW	Triangle-X Ranch	
YPTB	Twin Buttes	
YUF	Upper Falls	
WUWY	Wally Ulrich	
L20A	Wamsutter	
WTW	West Thumb	
L24A	Wheatland	
I20A	Worland	
WYO	Wyoming Array	
WY0	Wyoming Array	WYO
YNM	Yellowstone Norris Museum	
K20A	Yellowstone Ranch, Lander	
Veracruz		
NEUV	Arroyo Zacate	
CXUV	Coxquihui	
JAUV	Jalcomulco	
CTUV	Llano Grande	
MIHL	Minatitlan	
OZST	Orizaba	
PMUV	Sontecomapan	
XALA	Xalapa	
Washington		
AWST	Adams West	
PACIFIC OCEAN		
East of Mariana Islands		
ALMN	ALMN	
ANLB	Anatahan	
ANSW	Anatahan	
ANNT	Anatahan	
B01S	B01S	
B02S	B02S	
B03S	B03S	
B04L	B04L	
B05L	B05L	
B06L	B06L	
B07L	B07L	
B08L	B08L	
B09S	B09S	
B10S	B10S	
B11S	B11S	
B12S	B12S	
B13L	B13L	
B14L	B14L	
B15L	B15L	
B16L	B16L	
B17L	B17L	
B18S	B18S	
B19S	B19S	
B20S	B20S	
E01	E01	
E02	E02	
E03	E03	
E04	E04	
E05	E05	
E06	E06	
E07	E07	
E08	E08	
E09	E09	
E11	E11	
E12	E12	
GUGU	Guguan	
L01	L01	
L02	L02	
L03L	L03L	
L04	L04	
L05	L05	
L07	L07	
L08	L08	
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N12L	N12	
N13L	N13	
N14L	N14	
N15	N15	
N16	N16	
N18	N18	
N19	N19	
N20	N20	
PAGW	PAGW	
S01	S01	
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S03	S03	
S04	S04	
S05	S05	
S06	S06	
S07	S07	
S08L	S08L	
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S12	S12	
S13	S13	
S14	S14	
S15	S15	
S16	S16	
S17	S17	
S18	S18	
S19	S19	
SAIP	SAIP	
FLX	Saipan	
DPSS	Saipan	
HTSP	Saipan	
SARG	Sarigan	
W01	W01	
W02	W02	
W03	W03	
W05	W05	
W06	W06	
W07	W07	
W08	W08	
W10	W10	
Mariana Islands		
GOLF	Saipan	
Pacific coast of Ecuador		
SU01	SU01	
SU02	SU02	
SU03	SU03	
SUB04	SU04	
SUB05	SU05	
SUB06	SU06	
SU07	SU07	
SUB08	SU08	
SUB09	SU09	
SUB10	SU10	
SUB11	SU11	
SUB12	SU12	
SUB13	SU13	
SUB14	SU14	
SU15	SU15	
Pacific Ocean West Coast USA		
FC03D	FC03D	
FN01A	FN01A	
FN01C	FN01C	
FN02C	FN02C	
FN03A	FN03A	
FN03C	FN03C	
FN04C	FN04C	
FN05A	FN05A	
FN05C	FN05C	
FN06A	FN06A	
FN06C	FN06C	
FN07A	FN07A	
FN07C	FN07C	
FN08A	FN08A	
FN08C	FN08C	
FN09A	FN09A	
FN09C	FN09C	
FN10A	FN10A	
FN10C	FN10C	
FN11C	FN11C	
FN12A	FN12A	
FN12C	FN12C	
FN13C	FN13C	
FN14A	FN14A	
FN14C	FN14C	
FN16A	FN16A	
FN16C	FN16C	
FN17C	FN17C	
FN18A	FN18A	
FN18C	FN18C	
FN19A	FN19A	
FN19C	FN19C	
FS01B	FS01B	
FS02B	FS02B	
FS02D	FS02D	
FS03B	FS03B	
FS04B	FS04B	
FS04D	FS04D	
FS05B	FS05B	
FS06B	FS06B	
FS06D	FS06D	
FS07B	FS07B	
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FS08B	FS08B	
FS08D	FS08D	
FS09B	FS09B	
FS09D	FS09D	
FS10B	FS10B	
FS10D	FS10D	
FS11B	FS11B	
FS11D	FS11D	
FS12B	FS12B	
FS12D	FS12D	
FS13B	FS13B	
FS13D	FS13D	
FS14B	FS14B	
FS14D	FS14D	
FS15B	FS15B	
FS15D	FS15D	
FS16B	FS16B	
FS16D	FS16D	
FS17B	FS17B	
FS17D	FS17D	
FS18B	FS18B	
FS19B	FS19B	
FS20B	FS20B	
FS41D	FS41D	
FS42D	FS42D	
FS43D	FS43D	
FS44D	FS44D	
FS45D	FS45D	
G01D	G01D	
G02B	G02B	
G02D	G02D	
G03A7	G03A7	
G03B	G03B	
G03D7	G03D7	
G04B	G04B	
G04D	G04D	
G05B	G05B	
G05D7	G05D7	
G09B	G09B	
G09D	G09D	
G10B	G10B	
G10D	G10D	
G11B	G11B	
G11D	G11D	
G12B	G12B	
G13B	G13B	
G13D	G13D	
G17B	G17B	
G17D	G17D	
G18B	G18B	
G18D	G18D	
G19B	G19B	
G19D	G19D	
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G20D	G20D	
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G21D	G21D	
G22B	G22B	
G22D	G22D	
G25B	G25B	
G25D	G25D	
G26B	G26B	
G26D	G26D	
G27B	G27B	
G27D	G27D	
G28B	G28B	
G29B	G29B	
G29D	G29D	
G30A7	G30A7	
G30B	G30B	
G33B	G33B	
G33D	G33D	
G34B	G34B	
G34D	G34D	
G35B	G35B	
G35D	G35D	
G36B2	G36B2	
G36D	G36D	
G37B	G37B	
G37D	G37D	
J06A7	J06A7	
J06B	J06B	
J06D	J06D	
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J10D	J10D	
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J17D	J17D	
J18B	J18B	
J18D	J18D	
J19B	J19B	
J19D	J19D	
J20B	J20B	
J20D	J20D	
J21C	J21C	
J23A7	J23A7	
J23B	J23B	
J23C	J23C	
J23D	J23D	
J25A7	J25A7	
J25B	J25B	

Code	Station Name	Other
J25C	J25C	
J25D	J25D	
J26A7	J26A7	
J26C	J26C	
J26D	J26D	
J27B	J27B	
J27D	J27D	
J28A7	J28A7	
J28B	J28B	
J28C	J28C	
J28D	J28D	
J29A7	J29A7	
J29C	J29C	
J30A7	J30A7	
J30C	J30C	
J31A7	J31A7	
J31C	J31C	
J32C	J32C	
J33A7	J33A7	
J33B	J33B	
J33C	J33C	
J34A7	J34A7	
J34C	J34C	
J35A7	J35A7	
J35C	J35C	
J36A7	J36A7	
J36C	J36C	
J37A7	J37A7	
J37C	J37C	
J38A7	J38A7	
J38C	J38C	
J39A7	J39A7	
J39C	J39C	
J41A7	J41A7	
J41C	J41C	
J42A7	J42A7	
J42C	J42C	
J43A7	J43A7	
J43C	J43C	
J44A	J44A	
J44C	J44C	
J45A7	J45A7	
J45C	J45C	
J46A7	J46A7	
J46C	J46C	
J47A7	J47A7	
J47C	J47C	
J48A7	J48A7	
J48B	J48B	
J48C	J48C	
J49A7	J49A7	
J49C	J49C	
J50A	J50A	
J50C	J50C	
J51A	J51A	
J51C	J51C	
J52A7	J52A7	
J52C	J52C	
J53A	J53A	
J53C	J53C	
J54A7	J54A7	
J54C	J54C	
J55A7	J55A7	
J55C	J55C	
J57A7	J57A7	
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J58C	J58C	
J59A7	J59A7	
J59C	J59C	
J61A7	J61A7	
J61C	J61C	
J63A7	J63A7	
J63B	J63B	
J63C	J63C	
J65A	J65A	
J65C	J65C	
J67A	J67A	
J67C	J67C	
J68A	J68A	
J68C	J68C	
J69C	J69C	
J73A	J73A	
J73C	J73C	
M01A	M01A	
M01C7	M01C7	
M02A	M02A	
M02C7	M02C7	
M03A	M03A	
M03C7	M03C7	
M04C7	M04C7	
M05C7	M05C7	
M06A	M06A	
M06C7	M06C7	
M07A7	M07A7	
M07C	M07C	
M08A7	M08A7	
M08C	M08C	
M09B	M09B	
M10B	M10B	
M11B	M11B	
M12B	M12B	
M13B	M13B	
M13D	M13D	
M14B	M14B	
M14D	M14D	
M15D	M15D	
M16D	M16D	
M17D	M17D	
M18B	M18B	
Pacific Ocean, West of Nicaragua		
O095	OBS O095	
O096	OBS O096	
O097	OBS O097	

PACIFIC OCEAN/OCEANIA

Cook Islands		
MNHK	Manihiki	
NUE	Niue	
RAR	Rarotonga	
TG-	Tongareva I.	TG-IS
TG-IS	Tongareva Island	
Fiji		
BQA	Beqa	
MBU	Bua	
NDE	Delaikoro	
DGTI	Dogotuki	
NGA	Galoa	
KDV	Kandavu Island	
LBSS	Karokaro, Northern Div. Fiji, LBSA	
KRO	Koro	
LBSA	Labasa	
MGO	Magodro	
KDVU	Mokoisa, Kandavu	
MSV	Monasavu	
NAF	Naboro	
NDF	Nadi	
NMS	Namosi	
NAS	Nasaqa	
NHF	Nausori Highlands	
GAU	Ngau Island	
MSVF	Nonsavu	
LD05	OBS LD05	
LD10	OBS LD10	
LD12	OBS LD12	
LD14	OBS LD14	
LW07	OBS LW07	
LW11	OBS LW11	
LW13	OBS LW13	
OVA	Ovalau	
SGE	South Ridge	
SVA	Suva	
SUV	Suva	
TVI	Taveuni	
TAVE	Taveuni	
LKBA	Tubou, Lakemba	
UDU	Undu Point	
LTKA	Viseisei, Central Div. Fiji	
NMF	Viti Levu	
VDW	Vunidawa	
VUN	Vunikawai	
YSA	Yasawairara	
France		
Gambier Islands		
RKT	Rikitea	
French Polynesia		
Moorea		
AFR	Afareaitu	
Society Islands		
MEH	Mehetia	
TIAR	Tiarei	
Tahiti		
PAE	Paea	
PPTF	Pamatai, Papeete	
THT	Papeete	
PPT	Papeete	
PPT2	Papeete2	
PPN	Papenoo	
TAH	Tahiti	
I24FR	TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	
TVO	Taravao	
Tuamotu		
AMN	Amanu	
FRT	Faratahi	
NAE	Nake (Tuamotu)	
OTP	Otepa	
PMO	Pomariorio	
PMOR	Pomariorio Reef	
RUV	Rauvai	
TPT	Tiputa	
VAH	Vaihoa	
Tubuai		
TBI	Tubuai	
Guatemala Basin		
HUEH	Huehuetenango	
Kiribati		
XMAS	Kiritimati	
Kiribati (Gilbert Islands)		
TARA	Tarawa	
Line Islands		
FAN	Fanning Island	
JN-	Johnston I.	JN-IS
PR-	Palmyra I.	PR-IS
PR-IS	Palmyra Island	
Phoenix Islands		
KNTN	Kanton	
Mariana Islands		
AGRI	Agrihan Island	
ALMG	Alamagan	
ANAT	Anatahan	
ANA2	Anatahan	
AFOK	Anatahan S. Rim	
GUMO	Guam	
GUA	Guam	
GUAM	Guam	
MRG03	Mariana Trench, MRG03	
MRG04	Mariana Trench, MRG04	
MRG16	Mariana Trench, MRG16	
MRG22	Mariana Trench, MRG22	
MRG40	Mariana Trench, MRG40	
MRG42	Mariana Trench, MRG42	
MRG46	Mariana Trench, MRG46	
MRG58	Mariana Trench, MRG58	
MTR02	Mariana Trench, OBS02	
MTR06	Mariana Trench, OBS06	
MTR07	Mariana Trench, OBS07	
MTR08	Mariana Trench, OBS08	
MTR09	Mariana Trench, OBS09	
MTR10	Mariana Trench, OBS10	
MTR11	Mariana Trench, OBS11	
MTR12	Mariana Trench, OBS12	
MTR14	Mariana Trench, OBS14	
MTR15	Mariana Trench, OBS15	
MTR17	Mariana Trench, OBS17	
MTR18	Mariana Trench, OBS18	
MTR19	Mariana Trench, OBS19	
MTR20	Mariana Trench, OBS20	
MTR21	Mariana Trench, OBS21	
MTR23	Mariana Trench, OBS23	
MTR25	Mariana Trench, OBS25	
MTR26	Mariana Trench, OBS26	
MTR27	Mariana Trench, OBS27	
MTR28	Mariana Trench, OBS28	
MTR29	Mariana Trench, OBS29	
MTR31	Mariana Trench, OBS31	
MTR32	Mariana Trench, OBS32	
MTR33	Mariana Trench, OBS33	
MTR34	Mariana Trench, OBS34	
MTR36	Mariana Trench, OBS36	
MTR37	Mariana Trench, OBS37	
MTR38	Mariana Trench, OBS38	
MTR43	Mariana Trench, OBS43	
MTR44	Mariana Trench, OBS44	
MTR45	Mariana Trench, OBS45	
MTR47	Mariana Trench, OBS47	
MTR48	Mariana Trench, OBS48	
MTR49	Mariana Trench, OBS49	
MTR50	Mariana Trench, OBS50	
MTR51	Mariana Trench, OBS51	
MTR52	Mariana Trench, OBS52	
MTR53	Mariana Trench, OBS53	
MTR55	Mariana Trench, OBS55	
MTR57	Mariana Trench, OBS57	
NMCC	Northern Marianas College	
PAGN	Pagan	
PAGV	Pagan Volcano	
PJG	Potts Junction	
SAPN	Saipan	
SARN	Sarigan	
Marquesas archipelago		
I21FR	MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	
TAOE	Nuku Hiva Island	
Marshall Islands		
EW-IS	Eniwetok	
EW-	Eniwetok	EW-IS
KWJN	Gagan, Kwajalein Atoll, Marshall Island	
KWAJ	Kwajalein Atoll	
Micronesia		
Caroline Islands		
PATS	Pohnpei	
TRU	Truk	
Midway Islands		
I58US	Midway Islands	
New Caledonia		
Loyalty Islands		
LIFNC	LIFOU	
MARNC	Mare, Loyalty Islands, New Caledonia	
OUA	Ouanaham	
KOU	Koumac	
KOUNC	Koumac, New Caledonia	
YATNC	Mamie plateau, Yate, New Caledonia	
PLUM	Mont Dore	
DZM	Mont Dzumac	
NOU	Noumea	
LASL	Noumea	
ONTRN	Noumea	
NORM	Noumea	
NOC	Noumea	
MVNO	Noumea	
OUENC	Ouen Island, New Caledonia	
ONTNC	Ouen Toro	
PINNC	Pines Island, New Caledonia	
NOUC	Port Laguerre	
I22FR	PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	
BAYA	Yate Dam	
North Pacific Ocean		
Guatemala Basin		
GB02	Guatemala Basin O.B.S. 2	
GB03	Guatemala Basin O.B.S. 3	
GB04	Guatemala Basin O.B.S. 4	
GB05	Guatemala Basin O.B.S. 5	
GB06	Guatemala Basin O.B.S. 6	
GB07	Guatemala Basin O.B.S. 7	
GB08	Guatemala Basin O.B.S. 8	
GB01	Guatemala OBS 1	
H2O	Hawaii-2 Observatory	
Palau		
Caroline Islands		
KOR	Koror	
PALU	Palau	
PLA	Palau	
I39PW	PALAU INFRASONIC ARRAY REFERENCE POINT	
Pitcairn Island		
PTCN	Pitcairn Island	
Samoa Islands		
AFI	Afiamalu	
API	Apia	
LW06	OBS LW06	
Tonga		
TFUA	Ha apai	
HAPI	Koulo, Foa Island	
NIU	Niumate	
NUK	Nuku'alofa	
LD03	OBS LD03	
LD17	OBS LD17	
LD19	OBS LD19	
LD21	OBS LD21	
LD23	OBS LD23	
LD25	OBS LD25	
LD27	OBS LD27	
LW01	OBS LW01	
LW15	OBS LW15	
LW18	OBS LW18	
LW20	OBS LW20	
LW22	OBS LW22	
LW24	OBS LW24	
EUAT	Ohonua, Eua	
NIFO	Sapa ata, Niuas	
TEK	Teekin	
TNGT	Tongatapu	
VAVA	Vava'u	
NUKU	Veitongo, Tongo	
Tuvalu (Ellice Islands)		
FUNA	Funafuti	
U.S.A.		
Johnston Island		
JN-IS	Johnston Island	
JOHN	Johnston Island	
Midway Islands		
MDY	Midway	
MIDW	Midway	
Wake Island		
WKE	Wake	
WAKE	Wake Island	
H11N1	WAKE ISLAND Hydroacoustic Site N1	
H11N2	WAKE ISLAND Hydroacoustic Site N2	
H11N3	WAKE ISLAND Hydroacoustic Site N3	
H11S1	WAKE ISLAND Hydroacoustic Site S1	
H11S2	WAKE ISLAND Hydroacoustic Site S2	
H11S3	WAKE ISLAND Hydroacoustic Site S3	
Vanuatu		
VVASA	Asamaranda, VASAV	
VVANG	Bakakara, VANGO	
VBOKI	Bokissa	
BKM	Butte a Klehm	
VTURT	Coulons	
DVP	Devils Point	
EME	Emae	
EPI	Epi	
VAMB	Fali, AMB	
INH	Isangel	
VSULE	Kerevinumbu	
VLAKA	Lakatoro	
LMP	Lamap	
VLEVI	Leviamp	
VKOLH	Longtal	
LNR	Lonorore	
VSARA	Lowerie	
LUES	Luesalemba Temotu	
LUG	Luganville	
MBV	Mont Bernier	
VEBEN	Narango	
VOS01	OBS, OS01	
VOS02	OBS, OS02	
VOS03	OBS, OS03	
VOS04	OBS, OS04	
VOS05	OBS, OS05	
VOS06	OBS, OS06	
VOS07	OBS, OS07	
VOS08	OBS, OS08	
VOS09	OBS, OS09	
VOS10	OBS, OS10	
VSALE	Olo Olo	
PVC	Port Vila	
RTV	Rentapao	
SANVU	Saraoutou	
VVAVU	Sasuli, VAVUN	
SWB	Southwest Bay	
VTAMB	Tambalato	
VESPI	Tanmial	
TANV	Tanna	
VBUTM	Tatafo	
VLEBE	Tatafo	
VLN	Vanua Lava	
VPOTO	Veturah	
VNARW	Walarano	
VWUSI	Wusi	
Wake Island		
I60US	Wake Island	
Wallis and Futuna		
FUTU	Fugatoga	

SOUTH AMERICA

Acre		
RBRC	Rio Branco AC	
Amazonas		
BALN	Balbina	
SGC2	Sao Gabriel da Cachoeira	
SGCB	So Gabriel da Cachoeira, AM	
TEFE	Tefe	
Antofagasta		
PX05	IPOC Station PX05	
AF01	San Pedro de Atacama	
Argentina		
TRQA	Tornquist	
SALTA		
Buenos Aires		
BAA	Buenos Aires	
CCR	Chacarita	
LPA	La Plata	
MGBA	MARTIN GARCIA	
VBA	Sierra Ventana	
Catamarca		
ANL	Andalgala	
CYA	Choya	
Chubut		
TRWA	Trelew	
Cordoba		
BOS	Bosque Alegre	
PIL	Pilar	
SUCO	SUCO	
TCA	Tanti	
Jujuy		
HJA	Humahuaca	
JUJ	Jujuy	
LQA	La Quiaca	
ASTB	Santa Barbara	
YJA	Yavi	
AZAP	Zapla	
La Rioja		
AANI	Anillaco	
ACLC	CERRO LA CRUZ	
ACHE	Chepes	
CCT	Chilecito	
AGUA	GUANDACOL	
RTPR	Patquia	

Code	Station Name	Other
APLL	PUNTA DE LOS LLANOS	
AVFE	Valle Fertil	
VCA	Vinchina	
Mendoza		
AAGR	Agrelo	
ARCO	CERRO ARCO	
COIS	El Sosneado	
EDS3	Malargue	
PUMA	Malargue	
MAA	Manantiales	
MEN	Mendoza	
MDZ	Mendoza	
ASAL	Salagasta	
RFA	San Rafael	
UTNM	Universidad Technlogica Nacional Mendoza	
AUSP	Uspallata	
AVIZ	Vizcacheras	
Misiones		
EDMA	Eldorado	
Neuquen		
CANA	Caviahue	
GO06	Curarrehue	
Patagonia		
COYC	Coyhaique	
I01AR	PILCANIYEU INFRASONIC ARRAY REFERENCE POINT	
SCA	Santa Cruz	
Rio Negro		
CIP	Cipolletti	
PLCA	Paso Flores	
Salta		
AASA	Agas	
FSA	Cafayete	
AQCC	Dique - Cabra Corral	
AERF	Escuela - Rosario de la Frontera	
AIPV	Ipv	
ALOL	LOMAS DE OLMEDO	
ALUM	Lumbreras	
SLT	Salta	
AHLV	Sanatorio - la Vina	
SLA	San Lorenzo	
TSA	Tranquitos	
San Juan		
RTBS	Barreal	
BCO	Cerro Blanco	RTCB
RTCB	Cerro Blanco	
ACCO	Cerro Coronel	
CEN	Cerronegro	
VAA	Cerro Valdivia	RTCV
RTCV	Cerro Valdivia	
RTLL	Cerro Villicun	
CFAA	Coronel Fontana	
CFA	Coronel Fontana	
ACDV	Cuesta del Viento	
HLN	Hualilan	
RTLS	Leoncito	
LEO	Leoncito	
AMAR	Marayes	
RTMQ	Marquesado	
AMOG	MOGNA	
AMLC	Mogote Corralitos	
PPA	Pie de Palo	
RTRS	Rodeo	
AROD	Rodeo	
SJA	San Juan	
ZON	Zonda	
San Luis		
ACAN	Cantantal	
MRA	San Martin	
Santa Fe		
HSFA	Helvecia	
Santiago del Estero		
SDE	Santiago Estero	TPA
TPA	Tala Pozo	
Tierra del Fuego		
DSPA	Despedida	
TRVA	Ter de Rio Valdez	
USHU	Ushuaia	
USHA	Ushuaia	
I02AR	USHUAIA INFRASONIC ARRAY REFERENCE POINT	
Tucuman		
AHML	Horco Molle	
TCM	Tucuman	
Atacama		
AC06	Mina Casimiro Domeyco	
Bahia		
NBCM	Corta Mao	
NBJA	Jaborandi	
NBJG	Jaguarari	
NBLP	Lapao	
ANA01	Lindo Horizonte, BA, Brazil	
Bio-Bio		
BI04	Isla Mocha	
LAJA	Laja	
BI05	Punta Hualpn	
BI02	San Fabin de Alico	
BI03	Tigo	
Bolivia		
AOEA	Aiquile	
COLL	Andarivi	
BS06	Camiri	
BB05	Carapari	
BB07	Casarave	
CNCB	Chanca	
CHIT	Chita	
CHUQ	Chuquichambi	
BS01	CO. Balcn	
CCH	Cochabamba	
COLO	COLO	
BS10	CO. Tuti	
CRISS	CRISS	
CRUZ	CRUZ	
BS05	Cuyupaya	
DSG	Desaguadero	
DOOR	DOOR	
R3BC1	Hampaturi	
HIZO	HIZO	
BS09	Huarina	
ITIT	Ipitacuapi	
SOEJ	Jacaque	
BBLB	La Banda, Bolivia	
BB02	La Guardia	
LAJO	La Joya	
LPAZ	La Paz	
LPB	La Paz	
BS00	La Paz	
LZ-	La Paz	LZ-BV
LZ-BV	La Paz	
BBOB	La Paz, Banderani	
BBOE	La Paz, Chanca	
BBOD	La Paz, Gloria	
BBOJ	La Paz, Jacaque	
I08BO	LAS PENAS INFRASONIC ARRAY REFERENCE POINT	
LIRI	LIRI	
REDDE	Milluni	
MOCB	Mochara	
BS03	Mojotorillo	
BB01	Montecillos	
SOEO	Opoqueri	
PACHH	PACH	
BS02	Patallajta	
PNS	Penas	
RA6D5	Peas	
PICHH	PICH	
SOTI	Planta Incahuasi	
POOP	Poopo	
BBPS	Puerto Suarez	
BB08	Puerto Suarez	
RAUL	RAUL	
RTA	Riberalta	
BBRT	Rincon del Tigre	
BBRB	Robore, Bolivia	
ROSL	ROSL	
SALII	SALI	
SMB	Samaipata	
LPZ	San Calixto	
BS07	San Felipe	
SIV	San Ignacio	
BB03	San Joaqun	
SCHO	SCHO	
BBSD	Serra de San Diablo, Bolivia	
SCS	Sicasica	
SICA	Sicasica	
SUC	Sucre	
AOES	Sucre	
TACA	TACA	
BB04	Tambo Quemado	
TRJ	Tarija	
AOVT	TarijaAcel	
BATO	Ticaya	
SOET	ToroToro	
TPZ	Tupiza	
UYUN	Uyuni	
R9027	Vallegrande	
BS08	Valle Grande	
BS04	Villa Nueva	
BB06	Yocalla	
YUNZ	YUNZ	
ZLP	Zongo (La Paz)	ZOBO
ZOBO	Zongo (La Paz)	
Brazil		
Acre		
CZSB	Cruzeiro do Sul	
RIOB	Rio Branco	
Alagoas		
NBAN	Anadia - AL	
NVLB	Novo Lino, Alagoas, Brazil	
XIN	Xingo	
Amazonas		
TBTG	Tabatinga, AM	
Bahia		
NBCP0	Cabaceiras do Paraguassu - BA	
NBCP	Cabaceiras do Paraguassu - BA	
NBIT	Itapeh - BA	
PDCR	Pedra do Cavalo	
NBPN	Ponto Novo - BA	
SDBA	SAO DESIDERIO	
SOB	Sobradinho	
SOB1	Sobradinho	
SOB2	Sobradinho	
SOB3	Sobradinho	
SOB4	Sobradinho	
ABR01	Abrolhos, BA	
AMBA	Amambai (Brazil)	
ANTJ	Antonio Joao (Brazil)	
AREB	Areado	
ASPSP	Arquipelago de Sao Pedro e Sao Paulo - PE, Brazil	
BAL3	Balbina	
BOAV	Boa Vista	
BDQN	Bodoquena, MS	
CMC01	Camacan, BA	
CMPB	Campos	
CHAP	Chapeco	
ITAB	Concordia	
DIAM	Diamantina, MG	
FNDO	Fernando de Noronha	
COIM	Forte Coimbra	
FRBT	Francisco Beltro	
GDU01	Guandu, BA	
NAN01	Guarapari, ES	
GUA01	Guaratinga, BA	
LDASE	Londrina, Brazil	
MACA	Manacapuru-AM	
MCR1	Marechal Candido Rondon	
NATB	Natividade	
PANT	Pantanal (Brazil)	
PTGA	Pitinga	
MURT	Porto Murtinho	
POPB	Porto Primavera	
RPRD	Ribas do Rio Pardo (Brazil)	
RVDE	Rio Verde (Brazil)	
SPB	Sao Paulo	
VABB	Valinhos	
Ceara		
NBCL	Cascavel-CE	
FOR1	Fortaleza - CE	
CS6B	Jaguaretama	
NBMO	Morrinhos-CE	
NBMA	Muriti-CE	
OCBR	Ocara	
ET03	Palhano	
NBPB	Pedra_Branca-CE	
SBBR	Sobral	
Distrito Federal		
BAE	Brasilia	
BDFB	Brasilia	
BCS*	Brasilia Array	
BAO	Brasilia Array Centre Point	
BAE1	Brasilia Array Site E1	
BAE2	Brasilia Array Site E2	
BAE3	Brasilia Array Site E3	
BAE4	Brasilia Array Site E4	
BAE5	Brasilia Array Site E5	
BAEE	Brasilia Array Site EE	
BAS1	Brasilia Array Site S1	
BAS2	Brasilia Array Site S2	
BAS3	Brasilia Array Site S3	
BAS4	Brasilia Array Site S4	
BAS5	Brasilia Array Site S5	
BASE	Brasilia Array Site SE	
BAW1	Brasilia Array Site W1	
BAW2	Brasilia Array Site W2	
BAW3	Brasilia Array Site W3	
BAW4	Brasilia Array Site W4	
BAWE	Brasilia Array Site WE	
I09BR	BRASILIA INFRASONIC ARRAY REFERENCE POINT	
BDF	Brasilia (W)	
Espirito Santo		
BSFB	Barra de Sao Francisco	
CAM3	Guarapari	
ALF01	Guarapari-ES	
RIB01	Linhares ES	
Goias		
COR2	Caldas Novas	
CAN3	Cana Brava	
IPMB	Ipameri, GO	
JATB	Jatai	
RET9	Novo Planalto, GO, Brazil	
RET8	So Miguel do Araguaia, GO, Brazil	
SSV2	Sao Salvador	
SFA1	Serra Facao	
BAT2	UHE Batalha	
CAN1	UHE Cana Brava	
Maranhao		
ROSB	Rosrio	
BESB	Sao Joao Dos Patos	
PAL2	UHE Estreito - MA/TO	
Mato Grosso		
AQDB	Aquidauana	
ARAG	Araguaiana, MT - Brazil	
CAMA	Camapuan	
CDSB	Chapadao Do Sul	
CLDB	Colider	
COXM	Coxim-MS Brazil	
FRNC1	Faz. Rancharia - MS	
MSB	Manso	
NVXV	Nova Xavantina-MT	
PRNT	Paranatinga-MT	
PP1B	Ponte de Pedra	
PTLB	Pontes e Lacerda, MT	
PDRB	Porto dos Gachos, MT	
PTMB	Porto Murtinho	
RVMB	Rio Verde do Mato Grosso - MS	
SALV	Santo Antonio do Leverger, MT	
SNDB	Serra Nova Dourada	
Minas Gerais		
AGVB	Aqua Vermelha	
ATDB	Astolofo Dutra	
BARB	Barbacena	
BSCB	Bom Sucesso	
BRAS	Brasopolis	
CDCB	Carmo do Cajuru	
ITRB	Iturama	
JAN09	Januaria	
JAN07	Januaria	
JAN08	Januaria	
JANB	Januaria	
JAN06	Januaria	
JAN03	Januaria	
JFO	Juiz de Fora	
MC02	Montes Claros	
MC05	Montes Claros	
MC04	Montes Claros	
MCI9	Montes Claros	
MCI8	Montes Claros	
MC03	Montes Claros	
MC06	Montes Claros	
MCI7	Montes Claros	
MC01	Montes Claros	
MCI6	Montes Claros	
PMNB	Patos De Minas	
SJMB	Sao Joao De Manteninha	
FUN1	UHE Funil - MG	
Para		
ATB	Altamira	
BEB	Belem	
ITTB	Itaituba	
MALB	Monte Alegre	
NPGB	Novo Progresso	
PRPB	Parauapebas	
TUCB	Tucurui	
ATM1	UHE Belo Monte	
BMO1	UHE Belo Monte	
BMO2	UHE Belo Monte	
TUC4	UHE Tucurui	
TUC3	UHE Tucurui	
Paraiba		
NBLI	Livramento-PB	
SLBR	Solanea	
Parana		
ITF10	CHI Itaipu Binacional	
VTF1	CHI Itaipu Binacional	
ITF4	CHI Itaipu Binacional	
FDA4	Foz do Areia	
FDA	Foz do Areia	
FDA5	Foz do Areia	
TIJ01	Guaruva-PR	
ITB	Itaipu	
ITB1	Itaipu 1	
ITB7	Itaipu 7	
PTGB	Pitanga	
SP7	Salto Pilao - PR	
MAJ01	Sao Joao Batista-SC	
TRCB	Terra Rica	
RSTA	Tijuco Alta	
TER01	Tubaro-SC	
YCA	YACYRETA	
Pernambuco		
AGBLB	Aguas Belas	
CAUB	Caruaru	
NBCA	Caruaru-PE	
GRBR	Gravata	
ITR	Itaparica	
ITR2	Itaparica 2	
ITR5	Itaparica 5	
NBRF	Rio Formoso - PE	
SABR	Sanharo	
AGBR	Sao Joaquim do Monte	
NBTA	Tacaratu-PE	
Piaua		
NBPS	Pedro II - PI	
TRSB	Teresina	
Rio de Janeiro		
ESAR	Angra dos Reis-Rio de Janeiro-Brazil	
MAN01	Angra dos Reis-RJ	
BMA	Barra Mansa	
CAM01	Campos-RJ	
DUB01	Friburgo-RJ	
ITA	Itatiaia	
CAM1	Macae	
CAM4	Nova Friburgo	
RDJ	Rio de Janeiro	
TRRB	Tres Rios	
SIM2	UHE Simplicio	
SIM1	UHE Simplicio	
VASS	Vassouras	
VAS01	Vassouras-RJ	
Rio Grande do Norte		
CAI	Caico	
IPA	Ipanguacu	
JC06	Joao Camara	
JC05	Joao Camara	
JC20	Joao Camara	
JC1B	Joao Camara	
JC04	Joao Camara	
NAT	Natal	
NBPA	Parau_RN	
PFBR	Pau dos Ferros	
NBPV	Pedro Velho	
RCBR	Riachuelo	
Rio Grande do Sul		
CPSB	Cacapava Do Sul	
CNLB	Canela	
ITQB	Itaqui	
PLTB	Pedras Altas	
UFRS	Porto Alegre	
Rondonia		
ETMB	Extrema	
SRB	Samuel	
SAML	Samuel	
SAMU	Samuel, RO	
VILB	Vilhena	
Sao Paulo		
VAO2	Atibaia	
BB19B	Bebedouro	
BB16B	Bebedouro	
BEB22	Bebedouro	
BB19	Bebedouro	
BE13	Bebedouro13	
CACB	Caconde	
JAC01	Canania-SP	
FRTB	Fartura	
IGAB	Igarata	
PET01	Itanhaem-SP	
JUQB	Juquia	
PCMB	Pacaembu	
PARB	Paraibuna	
PPD	Presidente	
RIFB	Rifaina	
RCLB	Rio Claro- Sao Paulo-Brazil	
VAO3	Socorro	
SLP01	Ubatuba-SP	
VAO	Valinhos	
Sergipe		
CRRB	Carira, Sergipe, Brazil	
NBLA	Lagarto - SE	
PCTB	Pacatuba, Sergipe, Brazil	
Tocantins		
RET3	Cariri, TO, Brazil	
CRIB	Cristalandia	
RET6	Dianopolis -TO	
RET2	Formoso do Araguaia, TO, Brazil	
LJDO	Lageado - TO	
RET12	Mateiros - TO	
MCRB	Monte do Carmo	
RET11	Monte do Carmo - TO	
NTVD	Natividade - TO	
RET14	Novo Acordo - TO	
PRNN	Paranan	
RET5	Paranan- TO	
PEXB	Peixe	
RET10	Pium - TO	
PATO	Ponte Alta do Tocantins	
RET1	Porto Nacional, TO, Brazil	
SMTB	Santa Maria do Tocantins	
RET13	S. Felix do Tocantins -TO	
RET4	Sucupira, TO, Brazil	
LAJE	UHE Lajeado	
Buenos Aires		
FIUBA	Facultad de Ingeniera (UBA)	
Catamarca		
TINO	Tinogasta	
Cautin		
LR03	Panguipulli	
Ceara		
LSLC	Lagoa do Cedro	
LSRB	Maranguape	
NBSB	Sobral-CE	
Chile		
Aconcagua		
ALH	Alicahue	
CTP	Catapilco	
JACH	Jahuel	
Antofagasta		
ANCH	Antofagasta	

Code	Station Name	Other
ANT	Antofagasta	
CAC	Calama	
CTBN	Caleta Bueno	
CPN1	Cerro Paranal	
PB03	IPOC Station PB03	
PB04	IPOC Station PB04	
PB06	IPOC Station PB06	
PB07	IPOC Station PB07	
PB09	IPOC Station PB09	
PB10	IPOC Station PB10	
LVC	Limon Verde	
CEN1	Los Morros	
MACH	Maria Elena	
MECH	Mejillones	
MEJI	Mejillones	
MICH	Michilla	
MIC	Michilla	
MTZ	Montezuma	
MTQ	Monturaqui	
OAS	Oasis	
OFA	Oficina Alemania	
PECH	Pedro de Valdivia	
PEI	Peine	
QUL	Quillagua	
SLN	Salinas	
SPCH	San Pedro de Atacama	
TCN	Toconce	
TPL	Tocopilla	
TCP	Tocopilla	
TOCH	Tocopilla	
Arica y Parinacota		
AP01	Chacalluta	
Atacama		
CLD	Caldera	
CDCH	Caldera	
CAA	Chanaral	
CRCH	Chaqaral	
GO03	Copiapo	
CPP	Copiapo	
CPCH	Copiapo	
ESC	El Salvador	
AC05	El Transito	
HUCH	Huasco	
AC04	Llanos de Challe	
AC02	Maricunga	
AC01	Pan de Azucar	
SDO	Salado	
Bio-Bio		
CCHI	Chillan	
COBQ	Cobquecura	
COCH	Cobquecura	
LLIC	Llico	
CCSP	San Pedro de Concepcion	
Cautin		
PSCH	Puerto Saavedra	
TEM	Temuco	
TMU	Temuco	
VNV	Volcan Villarrica	
TS1	Aisen	
TS2	Aisen	
TS3	Aisen	
TS5	Aisen	
TS6	Aisen	
TS4	Aisen	
ARCH	Arica	
CTRO	CASTRO	
GO01	Chusmiza	
CHRN	Cochrane	
AY03	Cochrane	
CNTO	Contao	
LR04	Corral	
LR05	Currie	
PUYE	Entre Lagos	
FUTA	Futaleuf	
HOCH	Hornopiren	
HUAR	Huara	
HUNY	Huinay	
PB05	IPOC Station PB05	
PB12	IPOC Station PB12	
PB13	IPOC Station PB13	
PB14	IPOC Station PB14	
PB15	IPOC Station PB15	
PB16	IPOC Station PB16	
ILCA	Isla Las Cabras	
TIRA	La Tirana	
PINT	Los Pintados	
GO07	Milladeo Hill, Quellon	
NEUQ	Neuquen (mine)	
PB19	Pico de Oro	
POZO	Pozo Almonte	
CHFR	Pto Chacabuco	
PUEL	Puelo Alto	
AYCH	Puerto Aysen	
PMCH	Puerto Montt	
PATCX	Punta Patache	
AY01	Puyuhuapi	
QLLN	Quelln	
TMCH	Temuco	
LR02	Universidad Austral	
UNAP	University of Iquique	
AY02	Valle Exploradores	
GO08	Villa O'Higgins	
PB18	Visviri	
Concepcion		
CON	Concepcion	
CONC	Concepcion	
U14B	Concepcin	
Coquimbo		
CBCH	Cabildo	
CMCH	Combarbala	
ILCH	Illapel	
LCO	Las Campanas	
LSCH	La Serena	
CHNG	Los Chungos	
VICH	Los Vilos	
OVCH	Ovalle	
TLL	Tololo Astronomical Observatory	
GO04	Tololo Observatory, Vicuna	
VACH	Vallenar	
Easter Island		
EIC	Easter Island	
I13CL	EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	
PSC	Isla de Pascua	
RPN	Rapa Nui	
Juan Fernandez Islands		
IJF	Islas Juan Fernandez	
H03N1	Juan Fernandez Island Hydroacoustic Site N1	
H03N2	Juan Fernandez Island Hydroacoustic Site N2	
H03N3	Juan Fernandez Island Hydroacoustic Site N3	
H03S1	Juan Fernandez Island Hydroacoustic Site S1	
H03S2	Juan Fernandez Island Hydroacoustic Site S2	
H03S3	Juan Fernandez Island Hydroacoustic Site S3	
I14CL	ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT	
Linares		
PAN	Panimavida	
SJC	San Javier	
Magallanes		
GO09	Cerro Castillo	
GO10	Punta Arenas	
PTA	Punta Arenas	
SOM	Sombrero	
Malleco		
ANGC	Angol	
Maule		
AGCH	Angol	
CAUQ	Cauquenes	
CNCO	Chanco	
CTCH	Constitucion	
CONS	Constitucion	
U65B	Hualane	
GO05	Hualane	
ILOC	Iloca	
LNCH	Linares	
NICH	Los Niches	
MFCH	Minera del Fierro	
CHUE	Retiro	
SJVR	San Javier	
TALC	Talca	
Metropolitana		
LACH	Col Las Americas	
O'Higgins		
CICH	Cipreses	
COLN	Colon	
CACH	El Canelo	
U69B	Peumo	
PICH	Pichilemu	
CHPI	Pichilemu	
SFDO	San Fernando	
STCR	Santa Cruz	
Santiago		
ANTU	Antumapu	
BACH	Barnechea	
CLCH	Cerro Calan	
ELRO	Cerro El Roble	
CHCH	Chadas Angostura	
DSCH	Colegio Aleman	
ROCH	El Roble	
ROC1	El Roble	
YECH	El Yeso	
EDC*	EscuelaIngenieria	
FCH	Farellones	
LCCH	Las Cruces	
LMEL	Las Melosas	
LLCH	Llolleo	
LQT	Los Queltehues	
PEL	Peldehue	
FSR	Penalolen	
PCH	Pirque	
PUEX	Pudahuel	
PUT	Punta Talca	
RCDM	Rinconada Maipu	
SCR	San Cristobal	
SJCH	San Jose de Maipo	
SJM	San Jose Maipo	
STL	Santa Lucia	
SAN	Santiago	
TACH	Talagante	
Tarapaca		
ARI	Arica	
HMBC	Humberstone	
PB01	IPOC Station PB01	
PB02	IPOC Station PB02	
PB08	IPOC Station PB08	
PB11	IPOC Station PB11	
ICC	Iquique	
IQQ	Iquique	
GO02	Mina Guanaco	
MNMC	Minye Minye	
MNMCX	Minye Minye	
OLL	Ollague	
PSGCX	Pisagua	
PSGC	Pisagua	
Valdivia		
OSCH	Osorno	
VLCH	Valdivia	
VLV	Valdivia	
Valparaiso		
CCCH	Con Con	
ELP	El Pangue	
ELQ	El Quisco	
IHA	Instituto Hidrografico de la Armada	
LAV	Laguna Verde	
LNV	Longovilo	
MOCH	Los Molles	
NAVD	Navidad	
OLCH	Olmue	
PACH	Papudo	
PTCH	Petorca	
U73B	San Pedro	
UTF	Valparaiso	
VLP	Valparaiso	IHA
ZACH	Zapallar	
Valparaso		
VA02	Isla de Pascua	
VA03	San Esteban	
VA05	Santo Domingo	
VA01	Torpederas	
Colombia		
AGCC	Aguachica	
CODC	Agustn Codazzi, Colombia	
ANCC	Alto Anchicaya	
APAC	Apartado, Choco	
ARGC	Ariguani, Magdalena	
ARMEC	Armenia, Quindio	
AZUC	Azuc	
AZ1C	Azucar	
MALC	Bahia Malaga	
SOLC	Bahia Solano	
BBAC	Balboa, Cauca	
SERC	Banco Serrana, Archipielago de San Andres, Providencia y Santa Catalina	
BARC	Barichara	
BRJC	Barrancabermeja, Santander	
BRRC	Barranca, Santander	
CBRI	Barrientos, Norte de Santander	
BETC	Betania	
BTLC	Betulia, Santander	
BLMC	Bochalema	
BOG	Bogota	
BOCO	Bogota	
CBOG1	Bogota, SGC	
CPIR3	Boqueroncito, PIR3	
BMG	Bucaramanga	
BCR	Bucaramanga	
BUGC	Buga	
CAIC	Caicedonia	
RAC02	Cali,SGC	
CAPC	Capurgana	
CAP2	Capurgana	
CAQC	Caqueza, Cundinamarca	
RNCC	Cayo Roncador, Archipielago de San Andres, Providencia y Santa Catalina	
CRJC	Cerrejon, Guajira, Colombia	
KENC	Cerro Kenedy	
CTAB	Cerro Tablazo, Cundinamarca	
IMOR2	Chiles - Colombia	
CHN	Chinchina	
CHIC	Chingaza	
SNRF	Cinco Dias	
AGBL	Cinco Dias	
MINZ	Cinco Dias	
CURI	Cinco Dias	
PCON	Cinco Dias	
CBOC	Ciudad Bolivar, Antioquia	
LAROC	Coconuco	
CONV	Coconuco	
CURVC	Coconuco, CURV	
CCODA	Codazzi, Cesar	
CVER	Cruz Verde, Cundinamarca	
CCUC3	Cucuta, Santo Domingo	
CCUFI	Cufio, Nario	
CMBC	Cumbal	
MEVZ	Cumbal	
DBBC	Dabeiba	
DBCC	Dabeiba, Colombia	
MIN2	El Beisbol	
VMM10	El Carmen	
ETC	El Centro	
HOBC	El Hobo	
HOBC2	El Hobo, HOBC	
SANLC	El Paraiso, SANL	
PEIC	El Pital	
RREF	El Recreo	
ROSC	El Rosal	
CROSA	EL ROSAL, CUNDINAMARCA	
EROSC	El Rosal, ROS	
GUA2	El Vergel	
CFLOR	Florencia	FLOC
FLOC	Florencia	
FOM	Fmeque, Cundinamarca	
FUQ	Fuquene	
GAL	Galerazamba	
CR2G	Gallina	
GARC	Garzon, Huila	
GIRC	Giron, Santander	
GR1C	Gorgona, Isla Gorgona	
CPOP	Guacas, POP	
GUEC	Guerrero, Norte de Santander	
GUY2C	Guyana, Caldas	
GUYC	Guyana, Colombia	
HOQC	Horqueta	
CIBA1	Ibague, SGC	
GRGC	Isla de Gorgona	
PRVC	Isla de Providencia	
SAIC	Isla e San Andrs, Archipielago de San Andres, Providencia y Santa Catalina	
CGR1C	Isla Gorgona, Cauca	
JAMC	Jamundi, Valle del Cauca	
ESME	Juntas	
NIDO	Juntas	
CRUC	La Cruz	
DIAC	La Diana	
SANJ	La Escarcha	
EZNC	La Esperanza	
CLMC	Lago Colima	
AGZ	La Independencia	
LL1C	La Loma 1 Canario Temporal	
LL2C	La Loma 2 Canario Temporal	
LL3C	La Loma 3 Canario Temporal	
LL5C	La Loma 5 El Paso	
LL6C	La Loma 6 Becerril	
LL7C	La Loma 7 Curumani	
LL8C	La Loma 8 Chimichagua	
RGSC	La Regadera-Sumapaz	
RUSC	La Rusia	
BIS1	Las Neceidas	
URMC	La Uribe, Meta	
VMM09	Lebrija	
LCBC	Los crdobas, Cordoba	
MACC	Macarena, Meta	
LAJAC	Machin, LAJA	
MAPC	Malpelo	
CMAN1	Manizales, Caldas	
MEDC	Medellin	
MEDEC	Medelln, Antioquia	
CLIM	Miraflores	
MONA	Monteria	
MOTC	Monteria, Cordoba	
MUNC	Munchique	
CUMC	Nevado Cumbal	
LISA	Nevado del Ruiz	
OLLE	Nevado del Ruiz	
NIZA	Niza - Manizales, Caldas	
NORC	Norcasia	
CNOCA	NORCASIA, CALDAS	
OBVZ	Obonuco	
OCAC	Ocana	
ORTC	Ortega, Tolima	
MARP	Paez Belalcazar	
TOLD	Palenque	
PAMC	Pamplona, Colombia	
C1151	Parques Nacional Chingaza	
CPAS2	Pasto	
PSO	Pasto	
CPAS1	Pasto	
PAST	Pastocalle	
PIZC	Pizarro, Choco	
PLAY	Playas-San Antonio	
POPC	Popayan, Colombia	
CPOP5	Popayan, Gabriela Mistral	
CPOP2	Popayan, Invias	
CPOP3	Popayan, Sena	
PRAC	Prado	
PUAC	Puerto Asis, Putumayo	
PTBC	PUERTO BERRIO, Antioquia	
PGA1	Puerto Gaitan 1, Meta	
PGA3	Puerto Gaitan 3, Meta	
PGA4	Puerto Gaitan 4, Meta	
PGA5	Puerto Gaitan 5, Meta	
PTGC	Puerto Gaitan, Meta	
PTLC	Puerto Leguizamo, Putumayo	
VMM07	Puerto Wilches	
PTAC	Punta Ardita, Choc	
QUETC	Quetame, Cundinamarca	
REAC	Reactor, Bogot	
SOTA	Rioblanco	
VMM06	Sabana de Torres	
HORQ	Saladito	
SALC	Salvajina	
SRD	San Andres	
SEGC	San Emigdio	
CERRC	San Fernando, CERR	
SJCC	San Jacinto, Colombia	
GUVC	San Jose del Guaviare	
PLMC	San Jos del Palmar, Choc	
UREC	San Jos de Ur, Cordoba	
RAGC	San Jose, RAG	
SJAC	San Juan de Arama, Meta	
VMM05	San Martn	
SMLC	San Martn de Loba, Colombia	
SPBC	San Pablo de Borbur, Boyac	
ANIL	Santa Ana	
HELC	Santa Helena	
ISA2	Santa Isabel	
SMRC	Santa Marta, Magdalena	
SBTC	Sibate, Cundinamarca	
SMORC	Sierra Morena, Bogot	
SILC	Silvia	
TAMC	Tame, Arauca	
CMORA	Tapias, MORA	
TATC	Tatama	
CTAU	Tausa, Cundinamarca	
TOLC	Tolima	
CTUM2	Tumaco	
TUMC	Tumaco	
CTUMA	Tumaco, Batallon	
BTNC	Turbay, BTN	
TVAC	TV Cable, Bogot	
URB	Uribe, Santander	
URI	Uribia	
URIC	Uribia, Colombia	
CVALL	Valledupar, Cesar	
ALF2	Valle Quemado	
CENEC	Vda. El Buco, CENE	
CONDC	Vda. Josepe, COND	
SOSO	Vda. Mambiloma	
DIAE	Verdin	
VR2	Verdin	
VERD	Verdin	
RECRC	Villamaria, Caldas	
VILC	Villavicencio, Colombia	
GCUF	Volcan Galeras	
PURC	Volcan Purace	
YOPC	Yopal, Colombia	
YOTC	Yotoco, Valle del Cauca	
ZARC	Zaragoza, Cauca	
ANVZ		
CHI2		
ECALA		
BIAC		DIAC
URCR		
PUYI		
PLAZ		
OLGA		
NAR2		
LOEW		
ACVZ		
COB3		
Coquimbo		
CO02	Combarbal	
CO03	El Pedregal	
CO06	Fray Jorge	
CO01	Juntas del Toro	
CO05	La Serena	
CO04	Los Peladeros	
Cordoba		
LPCA	La Paz, Cordoba	
Ecuador		
AGOS	10 DE AGOSTO	
AANG	Acelergrafo del Angel	
AV18	Acelerografo, Esmeraldas - Quininde	
AMA1	Acelerografo, Esmeraldas - Terminal Martimo	
AV21	Acelerografo, Esmeraldas - Viche	
ADUR	Acelerografo, Guayas - Duran	
ACHO	Acelerografo, Imbabuta - Chontal	
ABH1	Acelerografo, Manab	

	- Baha Centro Casa
	Ing. Oswen Crespo
ABZA	Acelerografo, Napo -
	Baeza, Granja
	Experimental
AV05	Acelerografo, Napo -
	El Salado
AVX7	Acelerografo, Napo -
	Santa Rosa de Quijos
AARS	Acelerografo,
	Pichincha - Arasha
AV11	Acelerografo,
	Pichincha - Guayllabamba
APR1	Acelerografo,
	Pichincha - Quininde
APS1	Acelerografo,
	Sucumbios - Lago Agrio
ALAG	Acelerografo,
	Sucumbios - Lago Agrio
AV03	Acelerografo,
	Sucumbios - Lumbaqui
DELA	Administracion zonal
	de la Delicia, San
	Jose Condado,
	Ponceano, Quito,
	Ecuador
VIFL	Administracin Zonal
	Eloy Alfaro - Quito
QUIB	Administracin Zonal
	Quitumbe - Quito
LAMO	ALAMOR
ALAU	Alaus, Posada N
ALTA	Alta Urco
AAM1	Ambato 1 (Municipio)
AAM2	Ambato 2 (Mercado
	Amrica)
PIAT	Ana Tenorio
ANGU	Angureal
ANTI	Antisana
ANTC	Antisana-Cuyuja
ANTG	Antisana-Guaman
ANTM	Antisana-La Mica
ANTS	Antisana-Sarahuasi
ARDO	Archidona, Tena
AREE	Arenal
ARNL	Arenillas
ARRY	Arrayan
NINA	Atacazo Ninahuilca
AUCA	Auca
AZU1	Azuela
MONB	Balzapamba Montalvo,
	CascadaMilagrosa
BALZ	Balzar
BARL	BARLOMIN CHICO
BRRN	Barrancas-Volcn Cotopaxi
BIMJ	BASE NAVAL BIMJAR
BELL	Bellavista
BENA	BENADO ABAJO
BIBL	Biblin
BOCA	BOCANA DE BUA
TOMA	Boca Toma-Volcn
	Cotopaxi
BUFE	BUENA FE, CENTRO DE
	SALUD
CABP	Cabo Pasado
CAB1	Cabo Pasado-Manab
SFCO	Cabo San Francisco
CALV	Calvario
EC08	CAMARONES
SNPL	CANTERA SAN
	PLACIDO
CRPG	Carapungo - Pichincha
CARM	Carmen
CARS	Cars
TING	Casa Alexandra
	Alvarado - Tingo
GARO	Casa de Milton
	Calero-El Garrochal
SVAC	Casa de Sandra
	Vaca-San Rafael
CRON	Casa Elias Gonzalez
	en Calderon
CUMY	Casa Hugo Yepes -
	Cumbaya
LILI	Casa Paps Liliana
	Troncoso
PRAM	Casa Patricio Ramon -
	Quito
MAST	Casa Vasconez,
	Mastodontes,
	Carcelen, Quito, Ecuador
ARGE	Casa Villegas, La
	Argelia, Quito, Ecuador
FENY	Casa Vinicio Caceres
CSOL	CASCOL
JSCH	Cashca Tororas, San
	Jose de Chimbo
CATE	Catamayo
CASW	Cayambe
CAYA	Cayambe
ELAGU	Cayambe Volc
GYEB	Cerro Blanco
CHIS	Cerro-Chispas-Manabi
HOJA	Cerro de Hojas
ECEN	Cerro Negro
ALJV	Cerro Villonaco
	Loja-Ecuador
CHAR	Charly
CHIB	CHIBUNGA
CHMA	Chilma
CHIM	Chimborazo
CHI1	Chimborazo
PORT	Chimborazo Volcano
CHON	CHONE
CIRC	Crculo Militar
COHC	Cochancay
C24MA	Colegio 24 de Mayo
ZALD	Colegio Gonzalo
	Zaldumbide - Quito
CSEK	Colegio internacional
	SEK los valles,
	Yaniza Rapata,
	Cumbaya, Quito, Ecuador
INCA	Colegio Marista
	Quito, el inca,
	jipijapa, Quito, Ecuador
COSF	Comisariato del
	Ejercito Sur - Quito
SOCA	Concha del hosiptal Solca
CONE	Cono NE Rev Volc
SANF	Convento San
	Francisco - Quito
ECOPE	Copete-Rev Volc
COTA	Cotacachi
ACOT	Cotacachi (Casa del
	Agua)
VCES	Cotopaxi
VC1	Cotopaxi 1
ISUC	Cotopaxi Ecuador
COSE	Cotopaxi - Sureste
COV1	Cotopaxi Volc
BTAM	Cotopaxi Volcano
BMOR	Cotopaxi Volcano
BNAS	Cotopaxi Volcano
BVC2	Cotopaxi Volcano
BREF	Cotopaxi Volcano
PITA	Cotopaxi Volc (N)
MOV1	Cotopaxi Vol south
CGGP	Crater GGP
CUIC	Cuicocha-Domo
CUSE	Cuicocha Este
CUSW	Cuicocha Oeste
ACBZ	Cumbaratza - Ecuador
CUMB	Cumbre
CUPA	Cupa
CUSU	Cusua
DOMO	Domo
CASC	Dorado de Cascales
EC06	EAST OF PEDERNALES
EC05	EAST OF QUINDE
ALAH	cuado-Alausi-Hospital
	Civil
ANGL	Ecuador
AATC	cuador-Atacames-Perla
	del penion casa Sr.
	Alberto Acosta
AAT1	Ecuador-Atuntaqui-Hospital
AZOG	Ecuador-Azoguez-PUCE
ACHN	uador-Chone-Fundacion
	n Padre Fitzgeral
ACOC	uador-Coca-Secretaria
	a de Gestion de Riesgos
ACNC	Ecuador-Cuenca-Aeropuerto
ACUE	Ecuador-Cuenca-Rayo
	Loma Transelectric
AES1	ador-Esmeraldas-Balao
	ao Refineria
AGMT	cuador-Guamote-Cuerpo
	de Bomberos
AGRD	Ecuador-Guaranda-U.T.
	de Guaranda
AC07	uador-Guayaquil-Cerro
	o 507
GYE2	dor-Guayaquil-Estadio
	dio Unamuno
GYE3	dor-Guayaquil-Kennedy
	edy Transelectric
GBMB	r-Guayllabamba-Cuerpo
	uerpo de Bomberos
AHUA	Ecuador-Huaquillas
	Colegio Municipal
AIB1	uador-Imbabura-Ibarra
	a Cuerpo de Bomberos
ALIT	Ecuador-Imbabura-Lita
ALJ1	ador-Loja-Universidad
	ad Tecnica Particular
	de Loja
AMCR	Ecuador-Macara
AMCS	Ecuador-Macas
	Aeropuerto
AMAC	Ecuador-Machachi
ACH2	uador-Machala-Colibri
	i El Vergel
APO3	-PORTOVIEJO-INSTITUTO
	EJO-INSTITUTO
	NACIONAL PATRIMONIO
	CULTURAL
AMTV	Ecuador-Monte
	Verde-Cenaim Espol
ACRM	Ecuador-Municipio El
	Carmen
APSY	Ecuador-Napo Ana
	Tenorio
GECU	Ecuador Network
BECU	Ecuador Network
AECU	Ecuador Network
RECU	Ecuador Network VC1
CECU	Ecuador Network
MECU	Ecuador Network
PECU	Ecuador Network
IECU	Ecuador Network
APED	Ecuador-Perdenales
APO2	dor-Portoviejo-DIRMOV
	MOV CC.FF.AA.
APO1	cuador-Portoviejo-UTM
	Jardin Botanico
	Estacin Inamhi
AES2	Ecuador-Puerto
	Esmeraldas Inocar
SADP	Ecuador-Quito-CDC San
	Antonio de Pichincha
ASLC	ador-Salcedo-Hospital
	al Yerovi Mackuart
ASAM	Ecuador-Same-Casa
	blanca conjunto D'capri
ALOR	Ecuador-San
	Lorenzo-Base Maritima
	Naval
AIMS	r-Tababela-Aeropuerto
	uerto Mariscal Sucre
ATON	ador-Tonsupa-conjunto
	to Habitacional Cabaplan
GYE1	Ecuador-Trinitaria-Transelectric
ATLC	uador-Tulcan-Hospital
	l Luis G. Davila
ABH2	Ecuador-Universidad
	Catolica Bahia de
	Caraquez
ABAB	Ecuador-Universidad
	Tecnica de Babahoyo
ACH1	Ecuador-Universidad
	Tecnica de Machala
AZAM	Ecuador-Zamora
EDEN	Eden
CIVI	Edificio de Ingeniera Civil
LNGL	El Angel-Carchi
ELAR	El Aromo
ELA1	El Aromo 1
EC04	EL BOTADO, WEST OF
	QUINDE
LUCE	EL LUCERO, RIO
	SANCHEZ
ELOY	ELOY ALFARO
EC09	EL TABLON
EPNL	EPN Laboratorio de
	Estructuras
EC01	ESMERALDAS
BIL2	Estacion Bilbao
QTOE	Estacion Edusismo
FARH	Faro
FLFR	Flavio Alfaro
FLF1	Flavio Alfaro-Manabi
INAQ	Fundacion Guayasamin,
	Bellavista alto, Iaquito
APJL	GAD MUNICIPAL DE
	PUJILI
GALE	Galera
GOLV	Golondrinas
GONZ	Gonzanam
PUEM	Granja Avicola del
	Valle, Pronaca, San
	Luis, Puembo, Quito,
	Ecuador
GGPC	Guagua Pichincha
	Codigem
GUAL	Guallil
AGUAY	Guayaquil
GYC2	GYE Cami Cisne II
GYKA	GYE Cami Kartodromo
GYZU	GYE Cami Zumar
GYPL	GYE Consorcio Puerto
	Limpio
GYGU	GYE Interagua Guasmos
GYPS	GYE Interagua
	Pantanos Secos
HPAL	Hacienda Las
	Palmas-Pichincha
HIER	Hierbabuena
HSUR	Hospital Del Sur
	Enrique Grces , La
	lorena, Chilibulo
HCAL	Hospital general
	Docente Calderon,
	Sierra hermosa,
	Calderon, Quito, Ecuador
HLUZ	Hospital Gineco
	Obsttrico Luz Elena
	Arismendi, Guamani,
	Quito, Ecuador
IBAR	Ibarra
AIB2	Ibarra (Universidad
	Catlica)
IGUA	Igualata
ILLI	Illinizas Sur - Rasayacu
IMBA	Imbabura, San Roque
IRDE	Institut de recherche
	pour le dveloppement
	- Quito
ISPT	Isla de la Plata
ISPU	Isla Puna
ISPG	Isla Puna-Puerto Grande
JAMA	Jama
JBPC	Jardin Botanico,
	Parque La Carolina,
	Iaquito, Quito, Ecuador
JIPI	JIPIJAPA
AJPJ	JIPIJAPA 2
PIJI	JIPIJAPA 3
JUI6	Juive
JUIV	Juive
JUI3	Juive 3
EC15	JUST BEFORE CUBE
BONI	La Bonita
LGCB	Laguna Cube
HSPR	La Hesperia
SESM	LA ISLA
ALIBE	La Libertad
LAPI	LA PILA
GRDI	Las Guardias
ESM1	Las Penas - Esmeraldas
ALAT	Latacunga
EC11	LA UNION
LAV2	Lava2-Rev Volc
LAV3	Lava3-Reventador
LAV4	Lava4-Reventador
LITE1	Lita
LITE	Lita
LLOA	Lloa
MCRA	Macar, Loja
MACE	Macas
MAC1	Machachi 1
MAC2	Machachi 2
MAC3	Machachi 3
MAC5	Machachi 5
MAG1	Magdalena
MAGD	Magdalena
ABH3	Manabi, Bahia de
	Caraquez, Distrito de
	Educacion
ACJS	Manab - Cojimies
PECV	Mancha de Ca Pechiches
AMANT	Manta
AMNT	Manta-Manabi
SUCR	Mariscal Sucre-Volcn
	Cotopaxi
MSON	Mazon
MILO	Milagro-Astudillo
AMIL	Milagro (Transelectric)
APR2	Miler
AMOM	Mompiche
MOMP	Mompiche - El Palmar
MJAS	Monjas
VMON	MONTECRISTI 3
AMO1	MONTECRISTI, CIUDAD
	ALFARO
QUTE	Municipio Quitumbe
MUSH	Mushullacta
MUTR	MUTRE
NAS2	Nasa
NAS1	Nasa
NCE	Nasa Cotopaxi
NONO	Nono
EC12	NORTH OF DAULE
EC03	NORTH OF SAN
	FRANCISCO
OBSA	Observatorio
	Astronmico de Quito,
	Ejido, Itchimbia,
	Quito, Ecuador
AOLM	OLMEDO, CENTRO DE
	SALUD
AOTA	Otavalo
OTAV	Otavalo
PAC1	Pacto, Paraso
APJN	PAJAN
PAJA	PAJAN 2
PKYU	Pakayacu
PALA	Palora
APS4	Papallacta
PARU	Parque archeologico
	de Rumipamba
PAS1	Pastocalle - Ecuador
PAT1	Patacocha
PATA	Patacocha
PILA	PATRICIA PILAR
PDNS	Pedernales
GPNO	Pichincha
PINO	Pino
PISA	Pisayambo
PIS1	Pisayambo
MORR	Playas El Morro
APLA	Playas - Guayaquil
PENR	Ponce-Enriquez
POND	Pondoa
PU01	PU01
PU02	PU02
PU03	PU03
PU04	PU04
PU05	PU05
PU06	PU06
PU07	PU07
PUCR	Pucara
PCRA	Pucara 2
QUEM	Puengasi
PTCY	PUERTO CAYO
CAYO	PUERTO CAYO 2
PPLP	Puerto Lpez
BV15	Puerto Quito-OCP
ASLZ	PUERTO SAN LORENZO
APUJ	Pujili
PULU	Pululahua
PTGL	Punta Galera
PUNV	PUNV
APUY	Puyo
PUYO	Puyo, Santa Rosa
QUEV	Quevedo
AQUE	Quevedo
QIL2	Quilotoa
QUIL	Quilotoa
QIL1	Quilotoa
QIND	QUININDE
QITI	Quititos
QIT2	Quititos 2
OAQ	Quito
QUI	Quito
QTO	Quito
COMIL	Quito-Colegio Militar
QUND	Qund
TUYU	Q. Yuibug Volcan
	Tungurahua
CAMI	Rancho Maria
MARY	Rancho Maria
RAZO	Razococha-Potrerillos
RETU	Refugio
CAYR	Refugio Cayambe
GGP	Refugio Guagua
	Pichincha
CHSH	Refugio Sur-Volcn
	Chimborazo
BTUN	Refugio Volcn
	Tungurahua
REVS	Reventador Sur
EPALM	Reventador volcano
REVE	Rev-Rev Volc
RIOE	Riobamba
ARIO	Riobamba
RIOE1	Riobamba
BUCE	RIO BUCHE
RVRD	Rio Verde
ROCA	ROCAFUERTE 2
AROC	ROCAFUERTE, CENTRO DE
	SALUD
QUR	Rumipamba
RUMP	Rumipamba
RUN2	Runtun
RUN5	Runtun
RUN3	Runtun 3
SAGO	Sagoatoa
SGLO	Salanguillo
SALI	Salinas
SALS	SAN ANTONIO -
	HORCONCITO
ONHA	San Felipe Oa, Saraguro
NOVI	SAN FRANCISCO DE
	NOVILLO
SAG1	Sangay 1
JORG	San Jorge
JOR1	San Jorge 1
JOSE	SAN JOSE
JUAN	San Juan
JUA2	San Juan 2
BOSC	San Juan Bosco
LORE	San Lorenzo
LOR1	SAN LORENZO 2
SLOR	San Lorenzo - Cotopaxi
SNLR	San Lorenzo-Esmeraldas
MGUL	San Miguel
REVN	San Rafael
SRAM	San Ramn-Volcn
	Cotopaxi
STNA	SANTA ANA
ASDO	Santo Domingo
IESS	Sede Social del IESS
	- Quito
SEVS	Severino-Manabi
SOCH	Soche
EC18	SOUTHEAST OF BOCA DE
	BIGOA
EC17	SOUTH OF ESTERO
	SECO
EC07	SOUTH OF LIMONES
EC20	SOUTH OF
	MONTECRISTI
EC13	SOUTH OF SALIMA
EC14	SOUTH OF TABIAZO
EC16	SOUTHWEST OF
	TABUGA
SUP3	SUP3
SUP5	SUP5
SUP6	SUP6
SUSE2	Susedel - Ecuador
SUE1	SUT1
SUE2	SUT2
SUE3	SUT3

Code	Station Name	Other
SUE4	SUT4	
TAIS	Taisha	
TAMB	Tambo	
TAMH	Tambohuasha Chimborazo	
ATEN	Tena	
TENA	Tena	
ROQE	Tereno de la Politecnica a San Roque, San Juan, Quito, Ecuador	
TERV	Terraza Guagua	
BTER	TERRAZAS BANDA ANCHA	
EC19	TOALLA CHICA	
TOAZ	Toaza	
GGPT	Toaza - Volcan Guagua Pichincha	
BMAS	Trigal station	
ATUL	Tulcn	
TULM	Tulcn-Chalpatan Las Cuevas	
QUT	Tumbaco	
TUNG	Tungurahua	
BILB	Tungurahua volcano	
BRUN	Tungurahua Volcano	
BPAT	Tungurahua Volcano	
ULBA	Ulba	
BBIL	Ulba Tungurahua	
BULB	Ulba Tungurahua	
LOJ1	Universidad tcnica Particular de Loja	
URCU	Urcuqui	
EC02	VENTE CASAS, SO DE CAMARONES	
RUNA	Volc¡n Rumiahui	
CHL2	Volcn Chiles	
CHL1	Volcn Chiles-Cueva de arcos	
SANGA	Volcan Sangay	
WILF	WILFRIDO LOOR	
YAHU	Yahuarcocha	
YANA	Yana	
YANT	Yantzaza	
ZUMB	Zumba	
XTAL		
Galapagos		
ALCE	Alcedo, Punta Alfaro	
CEAZ	Cerra Azul, Caleta Web	
FER1	Fernandina1, Punta Espinoza	
FER2	Fernandina2, Punta Mangle	
GIE	Galapagos Islands	
FERN	Isla Fernandina	
PAYG	Puerto Ayora	
PVIL	Puerto Villamil, Aeropuerto	
VCHI	Volcan Chico	
VCH1	Volcn Chico	
Espirito Santo		
TRI01	ILHA DA TRINDADE, ES	
France		
French Guiana		
CAY	Cayenne	
KOG	Kourou	
MPGF	Montagnes des Peres	
MDP	Montagnes des Peres	
Galapagos		
I20EC	Galapagos	
Goias		
ITU3	Corumbazu	
CRI1	Crixs, GO	
MR7B	Estrela do Norte	
BAT3	Ipameri	
BAT5	Ipameri	
SMAG	Śao Miguel do Araguaia, GO, Brazil	
COR01	UHE Corumb	
ITU03	UHE Itumbiara	
Juan Fernandez Islands		
VA04	Juan Fernndez	
Jujuy		
YOCI	Acelerografo, Colegio de Ingenieros Jujuy	
TICA	Tres Isletas	
La Araucana		
LC01	Cunco	
LC02	Puerto Saavedra	
Los Lagos		
LL02	Futaleuf	
LL07	Hotel Espejo de Luna	
LL06	Loncomilla	
LL05	Los Muermos	
LL03	Petrohue	
LL04	Puerto Octay	
LL01	San Ignacio de Huinay	
Magallanes		
MG02	Cerro Sombrero	
MG03	Isla Dawson	
MG04	Isla Riesco	
MG05	Puerto Natales	
MG01	Puerto Williams	
Maranhao		
NBBC	Barra do Corda	
Mato Grosso		
PAR2	Brasnorte	
CCRS	Cacerres, MT, Brazil	
CNRN	Canarana	
C2SB	Chapadao do Sul	
CFSA	Confresa	
CUB	Curvelandia - Mato Grosso, Brazil	
DVLD	Doverlandia	
GUIR	Guiratinga	
PAR1	Juara	
PAR3	Juina	
PAR7	Juina	
PAR6	Juina	
PAR4	Juina	
NBRS	Nobres	
POCN	Pocone	
PAR5	Porto dos Gachos	
PTET	Porto Estrela	
SNP1	Sinop	
STP02	Teles Pires	
MAS01	UHE Manso	
VBST	Vila Bela da Santissima Trindade	
Maule		
G06S	Barrancas	
G13S	Cancha de Quillay	
G02S	El Valle	
G04S	G04S	
G05S	G05S	
G07S	G07S	
G10S	G10S	
G11S	G11S	
G12S	G12S	
G14S	G14S	
G15S	G15S	
G16S	G16S	
G17S	G17S	
G50S	G50S	
GB0S	GB0S	
GB3S	GB Array	
GB4S	GB Array	
GB2S	GB Array	
GB1S	GB Array	
GC5S	GC Array	
GC2S	GC Array	
GC3S	GC Array	
GC4S	GC Array	
GC1T	GC Array	
G01S	Las Pataguas	
G03S	Los Ranchones	
OB01	OBS 01	
OB02	OBS 02	
OB03	OBS 03	
OB04	OBS 04	
OB05	OBS 05	
OB06	OBS 06	
OB07	OBS 07	
OB08	OBS 08	
OB09	OBS 09	
OB10	OBS 10	
OB11	OBS 11	
OB12	OBS 12	
OB13	OBS 13	
OB14	OBS 14	
OB15	OBS 15	
OB16	OBS 16	
OB17	OBS 17	
OB18	OBS 18	
OB19	OBS 19	
OB20	OBS 20	
OB21	OBS 21	
OB22	OBS 22	
OB23	OBS 23	
OB24	OBS 24	
OB25	OBS 25	
OB26	OBS 26	
OB27	OBS 27	
OB28	OBS 28	
OB29	OBS 29	
OB30	OBS 30	
ML02	Panimavida	
QF17	Paredones	
G08S	Santa Teresa de Quinhue	
U63S	Sauzal	
GA3S	Tapihue Array	
GA0S	Tapihue Array	
GA1S	Tapihue Array	
GA2S	Tapihue Array	
GA4S	Tapihue Array	
G09S	Tricao	
U57S	U57S	
U59S	U59S	
U60S	U60S	
U66S	U66S	
U67S	U67S	
U72S	U72S	
Mendoza		
MMMP	Acelerografo, Municipalidad de Maip, Mendoza	
LAMA	Las Malvinas	
MORA	Malargue	
Metropolitana		
MT08	Bocatoma Ro Colorado	
MT16	CCHEN	
MT14	Cerro Caln	
MT02	Curacav	
MT10	Hacienda Santa Martina	
MT15	Las Vizcachas	
MT12	Pirque	
MT01	Popeta	
MT05	Renca	
MT04	Ro Olivares	
MT13	San Alfonso	
MT09	Talagante	
MT03	Universidad Adolfo Ibaez	
Minas Gerais		
ARCA	Arauai, MG	
CHCR	Itabira, Brazil	
JQT1	Jequitai-MG	
AGLP	Mina gua Limpa, MG, Brazil	
FZND	Mina de Fazendo, MG	
FJAO	Mina do Feijao, MG, Brazil	
GNG1	Mina Gongo Soco 1, MG - Brazil	
GNG2	Mina Gongo Soco 2, MG - Brazil	
GNG3	Mina Gongo Soco 3, MG - Brazil	
GNG4	Mina Gongo Soco 4	
GNG6	Mina Gongo Soco 6	
MC08	Montes Claros	
FABR	Ouro Preto, Brazil	
CANS	Sao Roque de Minas	
Misiones		
SCCA	San Cayetano, Corrientes, Argentina	
Neuquen		
ANEL	Aelo, Neuquen, Argentina	
NQ06	AUCA MAHUIDA	
NQ07	Bajada de Aelo	
NQ15	CERVANTES	
NQ11	CHALLACO	
NQ05	CHIHUIDO DE LA SIERRA NEGRA	
NQ14	COIRON AMARGO NORTE	
NQ01	CORTADERAS	
NQ04	EL MANGRULLO	
NQ12	ENTRE LOMAS	
NQ10	LINDERO ATRAVESADO II	
NQ08	LOMA CAMPANA	
NQ13	PLANICIE BANDERITA	
NQ09	SAUZAL BONITO	
NQ03	SIERRA CHATA	
O'Higgins		
BO04	La Punta	
BO03	Pichilemu	
BO02	Sierra Bellavista	
BO01	Tunca	
Para		
CN01	Coaracy Nunes - AP	
PAU1	Estreito	
MCPB	Macapa, AP	
SLBO	Mina Salobo	
SAL2	Mina Salobo (Macaco)	
SAL1	Mina Salobo (Paiol)	
SRLE	Mina Serra Leste	
SRN1	Mina Serra Norte	
SRSU	Mina Serra Sul	
CAJU	Mina Sossego	
MAL2	Monte Alegre, PA, Brazil	
VL03	Sao Felix do Xingu	
VL01	Sao Felix do Xingu	
VL02	So Flix do Xingu	
TMAB	Tom-Au,PA,Brazil	
TUCG	TUCG	
CUR1	UHE Curu¡ Una - Santarm - PA	
Paraguay		
MOND	CHI Itaipu Binacional	
ITF11	CHI Itaipu Binacional	
ITF6	CHI Itaipu Binacional	
FDPY	Filadelfia	
MAPY	Madrejon	
PAPY	Pozo Azul	
SJPY	San Joaquin	
CPUP	Villa Florida	
I41PY	VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	
Paraiba		
NBLV	Livramento - PB, Brazil	
PATB	Patos, Paraiba, Brazil	
Parana		
AZCA	Azaras, Argentina	
BIPR1	Baixo Iguassu	
ESFA	Espinillo Formosa - Argentina	
MECA	Mercedes	
Patagonia		
ADAL	Adalicio	
AYCA	Ayacara	
CVRN	Caverna	
CRCV	Corcovado	
CYQE	Coyhaique	
CUEV	Cuervo	
ASCNK	ENARSA 01	
ASCJC	ENARSA 02	
ETRA	Estrella	
FRIO	Frio	
GLCR	Glaciar	
GDRO	Guardaramiro	
HUDS	Hudson	
HUEM	Huemules	
LJUN	La Junta	
LOPS	Lodge Patagonia Sur	
MGDN	Magdalena	
MMYU	Melimoyu	
MLLO	Morrillo	
PSTO	Pasto	
PDRA	Piedra	
POYO	Poyo	
AYSN	Puerto Aysn	
CHAC	Puerto Chacabuco	
PHPI	Puyuhuapi	
RMBA	Ral Marn Balmaceda	
ASCTL	TRES LAGOS	
TBIO	Turbio	
SCUPA	UNPA - Rio Turbio	
USPA	Uspallante	
VNTQ	Ventisquero	
YLTN	Yulton	
Pernambuco		
NBBL	Bica de Lurdes, Rio Formoso	
NBPE	Petrolina-PE	
Peru		
CHP4	Algarobillo	
PP10	Ancon	
ARE	Arequipa	
ATAH	Atahualpa	
ATI	Atico	
PP07	Ayacucho	
AYAC	Ayacucho	
AYE	Ayenquera	
PP16	Cajamarca	
PP02	Calachota	
PT10	Camacho	
CRV	Caraveli	
CST	Castrovirreyna	
CLA	Chala	
PP08	Chalhuanca	
CHP8	Chiclayo	
CHP3	Chocan	
CHO0	Chocan - Peru	
PP03	Condor	
CHP2	Corcovado	
CUS	Cuzco	
PR05	Cuzco--Tambomachay	
CHP7	Eten	
PT03	Guadalupe	
HUA	Huancayo	
HCO	Huanuco	
HUZ	Huaraz	
HURP	Huarmaca	
CHP5	Huaypira	
ICA	Ica	
PT05	Jicamarca	
PT11	Juni	
LIM	Lima	
LM2	Lima (Magdalena)	
PT20	Maychil	
MAYR	Mayorazgo	
MRF	Miraflores	
PT21	Montanita	
PT01	Morro Solar	
NNA	Nana	
NIEV	Nieva - Peru	
ONG	Ongoro	
PCS	Paracas	
CHP1	Pelados	
PT06	Pisco	
PT18	Porculla	
PCHP	Portachuelo	
PCH0	Portachuelo - Peru	
PUC	Pucallpa	
PVP	Pueblo Viejo	
PUN	Puno	
PP06	Puquio	
QUM	Quillmana	
PT02	Quilmana	
SGP	San Gregorio	
SJU	San Juan	
SJN	San Juan, Peru	
PT09	Santa Fe	
SHP	Santa Helena	
PP04	Saramarca	
PT08	Suche	
TAL	Talara	
PP05	Tocota	
TRP	Trujillo	
TBM0	Tumbes - Peru	
PP09	Villa El Salvador	
PT04	Zamaca	
EPCH		
EMPA		
HCA		
HLS		
Rio de Janeiro		
CAR01	Carai MG	
Rio Grande do Norte		
LSCB	Caraubas	
NBJCA	Joao Camara Brazil	
NBLGR	Ladeira Grande, Joao Camara	
NBPF	Pau dos Ferros - RN	
NBRFO	Rio Formoso - PE	
NBTO	Touros	
Rio Grande do Sul		
ALGR	Alto Alegre (Brazil)	
CRSM	Crissiumal (Brazil)	
RODS	Rosario do Sul (Brazil)	
UNIS	Unistalda (Brazil)	
Rondonia		
ETM2	Extrema - RO	
JIR01	Jirau	
LABB	Lbrea	
SAM9	SAM9	
Salta		
VACA	Villa Angela Chaco Argentina	
San Juan		
DOCA	Reserva Natural Don Carmelo	
San Luis		
UNSL	Universidad Nacional de San Luis	
Santiago		
MT07	Cerro El Roble	
Santiago del Estero		
GUSE	Guasayan	
Sao Paulo		
BB22B	Bebedouro 22, SP (Brazil)	
MAR04	UHE Marimbondo	
Tarapaca		
PX02	IPOC Station PX02	
PX03	IPOC Station PX03	
Tarapac		
TA01	Diego Aracena	
TA02	Huaiquique	
Tocantins		
LAJ2	LAJ2	
NTVB	Natividade	
PAL01	Palmeiras do Tocantins	
Uruguay		
OGAUY	Aigu	
PIAR	Artigas	
MVDC	Cerro de Montevideo	
FLFL	Florida	
LMCA	La Montaesa	
JSCL	Mazangano	
PSAL	Palomas, Salto - UY	
ANCO	Parque Anchorena, Colonia	
PDTT	Paso de los Toros, Tacuaremb	
PLEF1	Polanco del Yi	
RBCL	Ro Branco	
AIMA	Ruta 39, Com. La Coronilla	
LEDA	Sanchez Grande	
ROST	Santa Teresa, Rocha	
SDYD	Sarandi del Yi, Durazno	

Code	*Station Name*	*Other*
TBOT	Tacuaremb	
ARAP	Termas del Arapey, Salto.	
TFLO	Trinidad	
VSTT	Villa Sara, Treinta y Tres	
Valparaiso		
VA06	Catapilco	
Venezuela		
ALTV	Alturitas	
ANGV	Angostura	
AUA1	Aruba	
BLV	Bailadores	
BARV	Barcelona	
BRIV	Barinas	
BAUT	Bautismo	
BENV	Beln	
BETV	Betijoque	
BIRV	Birongo	
BOTV	Botiquin	
CABA	Caballo Blanco	
CAOV	Caicara del Orinoco	
CACV	CAICARA DEL ORINOCO	
CAIV	Caiguire	
CLCV	CALICANTO	
CAMV	Campeare	
CAPV	Capacho	
CAR	Caracas	
CARV	Caracas	
CRUV	Carupano	
CSV	Casigua	
CATA	Catuaro Arriba	
CANV	Cerro Antonio	
CEDI	Cerro Diablo	
CEOS	Cerro El Oso	
ELMO	Cerro Moro	
CERV	Cerron	
CENE	Cerro Negro	
GTV	Cerro Toribio	
CUM	Cumana	
COAV	Cumanacoa	
CUMV	Cumana_UDO	
CUPV	Cpira	
CURV	Curarigua	
DABV	Dabajuro	
BAUV	El Baul	
CAFV	EL CAFE	
GURV	El Guri	
EHV	El Hato	
LLAV	El Llanito	
GMV	El Manteco	
ELOV	Elorza	
PAUV	EL PAUJM	
PRAV	El Prado	
TGRV	El Tigre	
TOV	El Tocuyo	
VIGV	El Vigia	
VOLV	El Volcan	
FIPE	Fila de Piedra	
ELPA	Fila Paraiso	
FDCV	FORTIN DE LA CUMBRE	
FUNV	FUNVISIS	
GRMC	Gramalote, Santander	
GUAC	Guacamaya	
GUNV	Guanoco	
GUIV	Guiria	
GUV	Guri	
GUV5	Guri Network	
GUV3	Guri Network	
GUV2	Guri Network	
GUV1	Guri Network	
GUV4	Guri Network	
HATO	Hato, Curacao	
INTV	Intevep	
IAV	Isla Aves	
IBAV	Isla La Blanquilla	
ORCV	Isla La Orchila	
IMOV	Isla Los Monjes	
ITEV	Isla Los Testigos	
IVIV	IVIC	
JACV	Jacura	
AGV	La Aguada	
AGUV	La Aguada	
CEIV	La Ceiba	
LACU	La Cuchilla	
CUV	La Culata	
LADA	La Danta	
LAGU	Laguneta	
LAGV	Lagunillas	
LGN	Lagunillas	
LAPE	La Pedrera	
LARU	La Rochela, LAR	
MERV	Las Mercedes	
OLLA	Las Ollas	
TORT	La Tortuga	
LAU	La Urbina	
LEV	Loma de el Viento	
LORO	Los Roques	
LUEV	Luepa	
GMC	Macagua	
MAPV	Macapo	
MCHV	Machiques	
MCQV	Machiques	
MANV	Manamana	
MANC	Manicuare_ULA	
MARA	Maracay	
MISV	Misoa	
MOLL	Mollejon	
MONV	Montecano	
MORO	Morrocoy	
OCUV	OCUMARITO	
ORIV	Oritupano	
PALR	Palma Real	
PALM	Palmichal	
OSV	Paramo de la Osa	
PDMV	Paramo Marino	
PARV	Pariaguan	
PRGV	PARIAGUAN	
EAV	Pico El Aguila	
PMV	Pico Espejo	
PLAV	Platillon	
POTV	Potrerito	
PAYV	Puerto Ayacucho	
PCRV	Puerto La Cruz	
PLCV	Puerto La Cruz	
QARV	Quebrada Arriba	
RIOV	Rio Grande	
FISA	Sacuragua	
SAJV	Sajaritas	
SANV	Sanarito	
SCRV	San Cristobal	
LORV	San Lorenzo	
ISAV	Santa Isabel	
SRV	Santa Rosalia	
SDV	Santo Domingo	
SIPV	Sipayare	
SIQV	Siquisique	
SIR	Siria	
SOCV	Socops	
TACV	Tcata	
TEPV	Terepaima	
TIOV	TMO PEDROTE	
TORV	Torococo	
PALV	Tres Palos	
TUV	Trujillo	
TURV	Turiamo	
UAV	Universidad de los Andes	
GUAN	Valle de Guanape	
VIRV	Villa del Rosario	

AGENCIES REPORTING EPICENTRAL ESTIMATES

AUST	**GEOSCIENCE AUSTRALIA.** Geoscience Australia, Cnr Jerrabomberra Ave and Hindmarsh Drive, Symonston ACT, PO Box 378, Canberra ACT 2601, Australia.
GFZ	**HELMHOLTZ CENTRE POTSDAM GFZ GERMAN RESEARCH CENTRE FOR GEOSCIENCES.** Section 2.4, Seismology, GEOFON Program, Telegrafenberg, 14473 Potsdam, Germany.
UCR	**SECCIN DE SISMOLOGA, VULCANOLOGA Y EXPLORACIN GEOFSICA.** Escuela Centroamericana de Geologa, Apdo. 214-2060, Universidad de Costa Rica, San Pedro, Costa Rica.
MDD	**INSTITUTO GEOGRFICO NACIONAL.** Red Ssmica Nacional, Calle del General Ibanez de Ibero 3, 28003 Madrid, Spain.
MAN	**PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY.** PHIVOLCS, University of the Philippines Campus, PHIVOLCS Building, C. P. Garcia Avenue, Diliman, Quezon City, 1100, Philippines.
BUD	**GEODETIC AND GEOPHYSICAL RESEARCH INSTITUTE.** Geodetic and Geophysical Reasearch Institute, Hungarian Academy of Sciences, Meredek u. 18, H-1112 Budapest 11, Hungary.
KRSZO	**GEODETIC AND GEOPHYSICAL REASEARCH INSTITUTE, HUNGARIAN ACADEMY OF SCIENCES.** , Hungary.
DJA	**BADAN METEOROLOGI, KLIMATOLOGI DAN GEOFISIKA.** Badan Meteorologi dan Geofisika, Jln. Angkasa I/2 Kemayoran, Jakarta Pusat 10720, Indonesia.
LIT	**GEOLOGICAL SURVEY OF LITHUANIA.** Geological Survey of Lithuania, S. Konarskio str. 35, LT-03123 Vilnius, Lithuania.
NOU	**IRD CENTRE DE NOUMA.** Institut de recherche pour le dveloppement, Centre de Nouma, 101 Promenade Roger Laroque - Anse Vata, BP A5 - 98848 Noumea Cedex, New Caledonia.
NAO	**STIFTELSEN NORSAR.** Stiftelsen NORSAR, Gunnar Randers vei 15, P.O. Box 53, 2027 Kjeller, Norway.
HLW	**NATIONAL RESEARCH INSTITUTE OF ASTRONOMY AND GEOPHYSICS.** National Research Institute of Astronomy and Geophysics (NRIAG), Helwan, Cairo, Egypt.
KRNET	**INSTITUTE OF SEISMOLOGY, ACADEMY OF SCIENCES OF KYRGYZ REPUBLIC.** , Kyrgyzstan.
DAGSR	**DAGESTAN BRANCH, GEOPHYSICAL SURVEY, RUSSIAN ACADEMY OF SCIENCES.** Belinskogo str., 16, Makhachkala, 367008, Russia.
TUN	**INSTITUT NATIONAL DE LA MTOROLOGIE.** Institut National de la Mtorologie, Avenue Mohamed Ali Akid Cit olympique El Khadhra, 1003 Tunis, Tunisia.
GUC	**CENTRO SISMOLGICO NACIONAL, UNIVERSIDAD DE CHILE.** Beauchef 850, Casilla 2777, Santiago, Chile.
OMAN	**SULTAN QABOOS UNIVERSITY.** Earthquake Monitoring Center, Sultan Qaboos University, P.O. Box 50, 123 Al Khod, Oman.
HEL	**INSTITUTE OF SEISMOLOGY, UNIVERSITY OF HELSINKI.** Department of Geosciences and Geography, University of Helsinki, P.O. Box 68, Gustaf Hllstrmin katu 2b, FI-00014 University of Helsinki, Finland.
SGS	**SAUDI GEOLOGICAL SURVEY.** National Earthquake and Volcano Centre, Saudi Geological Survey, P.O.Box 54141, Jeddah 21514, Saudi Arabia.
MRB	**INSTITUT CARTOGRFIC I GEOLGIC DE CATALUNYA.** Institut Cartografic de Catalunya, Parc de Montjuic, 08038 Barcelona, Spain.
VIE	**ZENTRALANSTALT FR METEOROLOGIE UND GEODYNAMIK (ZAMG).** Zentralanstalt fr Meteorologie und Geodynamik (ZAMG), Abteilung Geophysik, Postfach 342, A-1191 Wien, Austria.
JSN	**JAMAICA SEISMIC NETWORK.** The University of the West Indies, Department of Geology, Seismic Research Unit, Mona, Kingston 7, Jamaica.
ZUR	**SWISS SEISMOLOGICAL SERVICE (SED).** ETH Zrich, Sonneggstr. 5, 8092 Zrich, Switzerland.
MCSM	**MAIN CENTRE FOR SPECIAL MONITORING.** , Ukraine.
UPP	**UNIVERSITY OF UPPSALA.** Dept of Earth Sciences, Seismology, Villavagen 16, 75236 Uppsala, Sweden.
NOGSR	**NORTH OSSETIA (ALANIA) BRANCH, GEOPHYSICAL SURVEY, RUSSIAN ACADEMY OF SCIENCES.** , Russia.
ISU	**INSTITUTE OF SEISMOLOGY, ACADEMY OF SCIENCES, REPUBLIC OF UZBEKISTAN.** Institute Seismology of Academy Sciences, 3, Zulfiyakhonim Street, 100128, Tashkent, Uzbekistan.
OTT	**CANADIAN HAZARDS INFORMATION SERVICE, NATURAL RESOURCES CANADA.** Canadian Hazards Information Service, Natural Resources Canada, Ottawa, Ontario K1A 0Y3, Canada.
NNC	**NATIONAL NUCLEAR CENTER.** Kazakhstan National Data Center, IGR NNC RK, Chaikinoy str., 4, 480020, Almaty, Kazakhstan.
OSPL	**OBSERVATORIO SISMOLOGICO POLITECNICO LOYOLA.** 18 De Agosto, San Cristobal, Dominican Republic.
SLM	**SAINT LOUIS UNIVERSITY.** Department of Earth and Atmospheric Sciences, Saint Louis University, Laclede Station, P.O. Box 8099, Saint Louis, MO 63156, U.S.A..
KEA	**KOREA EARTHQUAKE ADMINISTRATION.** Earthquake Administration of DPR Korea (KEA), Pyongyang, Democratic People's Republic of Korea.
NDI	**NATIONAL CENTRE FOR SEISMOLOGY OF THE MINISTRY OF EARTH SCIENCES OF INDIA.** National Centre for Seismology, Ministry of Earth Sciences, Lodi Road, New Delhi, India.
IPEC	**THE INSTITUTE OF PHYSICS OF THE EARTH (IPEC).** The Institute of Physics of the Earth (IPEC), Masaryk University, Tvrdeho 12, 602 00, Brno, Czech Republic.
FUNV	**FUNDACIN VENEZOLANA DE INVESTIGACIONES SISMOLGICAS.** Av. Guaicaipuro con calle Tiuna, prolongacin final calle Mara., Qta. Funvisis. El Llanito., Caracas. Apartado postal 76880 - El Marqus 1070., Venezuela.
YARS	**YAKUTIYA REGIONAL SEISMOLOGICAL CENTER, GS SB RAS.** Yakutiya Regional Seismological Center, GS SB RAS, pr. Lenina 39, 677980, Yakutsk, Russia.
IDG	**INSTITUTE OF DYNAMICS OF GEOSPHERE, RUSSIAN ACADEMY OF SCIENCES.** Moscow, Russia.
ROM	**ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA.** Istituto Nazionale di Geofisica e Vulcanologia, Via Vigna Murata 605, 00143 Roma, Italy.
DNK	**GEOLOGICAL SURVEY OF DENMARK AND GREENLAND.** Geological Survey of Denmark and Greenland (GEUS), Ostervoldgade 10, DK-1350 Copenhagen K, Denmark.
THR	**INTERNATIONAL INSTITUTE OF EARTHQUAKE ENGINEERING AND SEISMOLOGY (IIEES).** International Institute of Earthquake Engineering and Seismology (IIEES), No. 26 Argavan Avenue, Dibaji Shomali, Farmanih, Tehran, Iran.
THE	**DEPARTMENT OF GEOPHYSICS, ARISTOTLE UNIVERSITY OF THESSALONIKI.** Central Seismological Station, Laboratory of Geophysics, Aristotle University, GR-54006 Thessaloniki, Greece.
PRE	**COUNCIL FOR GEOSCIENCE.** Council for Geoscience, 280 Pretoria Street, Silverton, Pretoria, South Africa.
NSSP	**NATIONAL SURVEY OF SEISMIC PROTECTION.** Government of the Republic of Armenia, Davidashen 4 Massiv, 375054 Yereven, Armenia.
ISN	**IRAQI METEOROLOGICAL AND SEISMOLOGY ORGANISATION.** Iraqi Meteorological and Seismology Organisation, Baghdad, Iraq.
IDC	**INTERNATIONAL DATA CENTRE, CTBTO.** International Data Centre, Provisional Technical Secretariat (PTS), Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO), Vienna International Centre, PO Box 1200, A-1400 Vienna, Austria.
PRU	**INSTITUTE OF GEOPHYSICS, CZECH ACADEMY OF SCIENCES.** Institute of Geophysics, Czech Academy of Sciences, Bocni II/1401, 14131 Prague, Czech Republic.
NIED	**NATIONAL RESEARCH INSTITUTE FOR EARTH SCIENCE AND DISASTER RESILIENCE.** National Research Institute for Earth Science and Disaster Resilience, 3-1 Tennodai, Tsukuba, Ibaraki 305-0006, Japan.

BYKL	**BAYKAL REGIONAL SEISMOLOGICAL CENTRE, GS SB RAS.** Baykal Regional Seismological Centre, Lermontov str,.128, Irkutsk-33, 664033, Russia.
MIRAS	**MINING INSTITUTE OF THE URAL BRANCH OF THE RUSSIAN ACADEMY OF SCIENCES.** Mining Institute of the Ural Branch of the Russian Academy of Sciences, Sibirskaya str, 78A, Perm, Permisky Krai, Russia.
BUT	**MONTANA BUREAU OF MINES AND GEOLOGY.** Montana Tech of The University of Montana, Butte, MT 59701, U.S.A..
RHSSO	**REPUBLIC HYDROMETEOROLOGICAL SERVICE, SEISMOLOGICAL OBSERVATORY, BANJA LUKA.** Put banjaluckog odreda bb, P.O. BOX 147, 78 000 Banja Luka, Republic of Srpska, Bosnia and Herzegovina, Bosnia and Herzegovina.
CNRM	**CENTRE NATIONAL DE RECHERCHE.** Angle Avenue Allal El Fassi, Avenue des FAR, Hay ER-Ryad, B.P. 8027 NU - 10102 - Rabat, Morocco.
INMG	**INSTITUTO PORTUGUS DO MAR E DA ATMOSFERA, I.P..** Instituto Portugus do Mar e da Atmosfera, Rua C ao Aeroporto, 1749-077 Lisboa, Portugal.
NAM	**THE GEOLOGICAL SURVEY OF NAMIBIA.** Ministry of Mines and Energy, Geological Survey of Namibia, 6 Aviation Road, Private Bag 13297, Windhoek, Namibia.
RISSC	**LABORATORY OF RESEARCH ON EXPERIMENTAL AND COMPUTATIONAL SEIMOLOGY.** Department of Physics, Universit di Napoli Federico II, Complesso Universitario Monte S.Angelo, via Cinthia, Naples, I-80126, Italy.
WEL	**INSTITUTE OF GEOLOGICAL AND NUCLEAR SCIENCES.** GNS Science, 1 Fairway Drive, Avalon, PO Box 30368, Lower Hutt 5040, New Zealand.
DMN	**NATIONAL SEISMOLOGICAL CENTRE, NEPAL.** Department Of Mines and Geology, Lainchour, Kathmandu, Nepal.
CLL	**GEOPHYSIKALISCHES OBSERVATORIUM COLLM.** Universitaet Leipzig, D-04779 Wermsdorf, Germany.
SSNC	**SERVICIO SISMOLGICO NACIONAL CUBANO.** Centro Nacional de Investigaciones Sismolgicas (CENAIS), Calle 17 no 67e/ 4 y 6, Vista Alegre, Santiago de Cuba 90400, Cuba.
BGS	**BRITISH GEOLOGICAL SURVEY.** Global Seismology Unit, Murchison House, West Mains Road, Edinburgh, EH9 3LA, United Kingdom.
RSNC	**RED SISMOLGICA NACIONAL DE COLOMBIA.** Red Sismolgica Nacional de Colombia, Servicio Geolgico Colombiano, Diagonal 53 No 34-53, Bogota, Colombia.
PPT	**LABORATOIRE DE GOPHYSIQUE/CEA.** Laboratoire de Gophysique, C.E.A. D.A.S.E. L.D.G./Pamatai, B.P. 640 Papeete 98713, French Polynesia.
KNET	**KYRGYZ SEISMIC NETWORK.** Bishkek - 49, Bishkek - 49, Kyrgyzstan.
RSPR	**RED SSMICA DE PUERTO RICO.** Geology Department, University of Puerto Rico, Mayaguez Campus, Box 9017, Mayaguez, PR 00681 9017, U.S.A..
ATH	**NATIONAL OBSERVATORY OF ATHENS.** Institute of Geodynamics, National Observatory of Athens, P.O. Box 20048, 118 10 Athens, Greece.
REY	**ICELANDIC METEOROLOGICAL OFFICE.** Vedurstofa Islands, Reykjavik, Iceland.
SKHL	**SAKHALIN EXPERIMENTAL AND METHODOLOGICAL SEISMOLOGICAL EXPEDITION, GS RAS.** Geophysical Survey, Russian Academy of Sciences, 2 Tihookeanskaya, Yuzhno-Sakhalinsk, 693010, Russia.
TEH	**TEHRAN UNIVERSITY.** Institute of Geophysics, University of Tehran, 16 Azar Street, Enghelab Ave., Tehran, Iran.
ARE	**INSTITUTO GEOFISICO DEL PERU.** Universidad Nacional de San Agustin, Seccion de Sismologia, Calle Badajoz # 169, Mayorazgo IV Etapa, Cod. Postal 03 Referencia Cruce, Arequipa, Peru.
CUPWA	**CURTIN UNIVERSITY.** Kent St., Bentley, Perth, WA 6102, Australia.
BGSI	**BOTSWANA GEOSCIENCE INSTITUTE.** Khama One Avenue, Plot 1734, Lobatse, Botswana.
UNK	**UNKNOWN SOURCE.**
SJA	**INSTITUTO NACIONAL DE PREVENCIN SSMICA.** Instituto Nacional de Prevencin Ssmica (INPRES), Departamento de Sismologia, Roger Balet 47 Norte, 5400 San Juan, Argentina.
USGS	**UNITED STATES GEOLOGICAL SURVEY.** US Geological Survey, 345 Middlefield Road, Menlo Park, CA 94025, U.S.A..
UPA	**UNIVERSIDAD DE PANAMA.** Instituto de Geociencias, Universidad de Panama (UPA), Campus Central - COLINA, Ciudad de Panam, Panama.
SFS	**REAL INSTITUTO Y OBSERVATORIO DE LA ARMADA.** C/Ceciclio Pujazon s/n cp 11100 San Fernando, Spain.
PDG	**INSTITUTE OF HYDROMETEOROLOGY AND SEISMOLOGY OF MONTENEGRO.** Sector for Seismology, R. Burica 2, P.O. Box 196, 20.000 Podgorica, Montenegro.
FCIAR	**FEDERAL CENTER FOR INTEGRATED ARCTIC RESEARCH.** Federal Center for Integrated Arctic Research, Sadovaya Str. 3, Arkhangelsk, 163000, Russia.
LEDBW	**LANDESERDBEBENDIENST BADEN-WRTTEMBERG.** Landesamt fuer Geologie, Rohstoffe und Bergbau (LGRB), Referat 98 - Landeserdbebendienst, Albertstrasse 5, D-79104 Freiburg i. Br., Germany.
GEN	**DIPARTIMENTO PER LO STUDIO DEL TERRITORIO E DELLE SUE RISORSE (RSNI).** Distav - Universita di Genova, Laboritorio di Sismologia, Viale Benedetto XV, 5, 16132 Genova, Italy.
TXNET	**TEXAS SEISMOLOGICAL NETWORK, UNIVERSITY OF TEXAS AT AUSTIN.** Bureau of Economic Geology, University of Texas at Austin, 10100 Burnet Rd, Bldg 130, Austin, Texas, TX 78758-4445, U.S.A..
HVO	**HAWAIIAN VOLCANO OBSERVATORY.** US Geological Survey, Hawaiian Volcano Observatory, P.O. Box 51, Hawaiian National Park, HI 96718-0051, U.S.A..
ECX	**CENTRO DE INVESTIGACIN CIENTFICA Y DE EDUCACIN SUPERIOR DE ENSENADA.** C I C E S E, Carretera Ensenada-Tijuana No. 3918 Zona Playitas Cdigo Postal 22860, Ensenada, B.C., Mexico.
ASIES	**INSTITUTE OF EARTH SCIENCES, ACADEMIA SINICA.** Institute of Earth Sciences, Academia Sinica, POB 1-55, Nankang, 11529, Chinese Taipei, Chinese Taipei.
UCC	**ROYAL OBSERVATORY OF BELGIUM.** Department of Reference Systems and Geodynamics, Royal Observatory of Belgium, Av. Circulaire, 3, Ringlaan 3, 1180 Bruxelles, Belgium.
TAP	**CENTRAL WEATHER BUREAU (CWB).** 64 Kung Yuan Road, 10039 Chinese Taipei
MED_R	**MEDNET REGIONAL CENTROID - MOMENT TENSORS.** MedNet Regional Centroid - Moment Tensors (INGV), Via di Vigna Murata 605, 00143 Roma, Italy.
JMA	**JAPAN METEOROLOGICAL AGENCY.** Earthquake and Volcanic Engineering Affairs Division, Seismology and Volcanology Department, Japan Meteorological Agency, 3-6-9 Toranomon, Minato City, Tokyo 105-8431, Japan, Japan.
ASGSR	**ALTAY-SAYAN BRANCH, GEOPHYSICAL SURVEY, RUSSIAN ACADEMY OF SCIENCES.** Geophysical Survey SB RAS, Ac. Koptyug Pr.,3, 630090, Novosibirsk, Russia.
MOS	**GEOPHYSICAL SURVEY OF RUSSIAN ACADEMY OF SCIENCES.** Geophysical Survey of Russian Academy of Sciences, Obninsk, Lenin str., 189, 249020, Kaluga region, Russia.
TIF	**INSTITUTE OF EARTH SCIENCES/ NATIONAL SEISMIC MONITORING CENTER.** Ilia State University, 77 Nutsubidze str, 0177, Tbilisi, Georgia.
SOF	**NATIONAL INSTITUTE OF GEOPHYSICS, GEOLOGY AND GEOGRAPHY.** Department of Seismology, Geophysical Institute, Bulgarian Academy of Sciences, Acad. G. Bonchev str, bl.3, 1113 - Sofia, Bulgaria.
GCG	**INSIVUMEH.** Instituto Nacional de Sismologia, Vulcanologia, Meteorologia e Hidrologia, INSIVUMEH, 7a. Avenida 14-57, zona 13, 01013 Ciudad de Guatemala, Guatemala.
NERS	**NORTH EASTERN REGIONAL SEISMOLOGICAL CENTRE, MAGADAN, GS RAS.** North Eastern Regional Seismological Centre (GSRAS), Skuridin str.,6-b, 685024 Magadan, Russia.

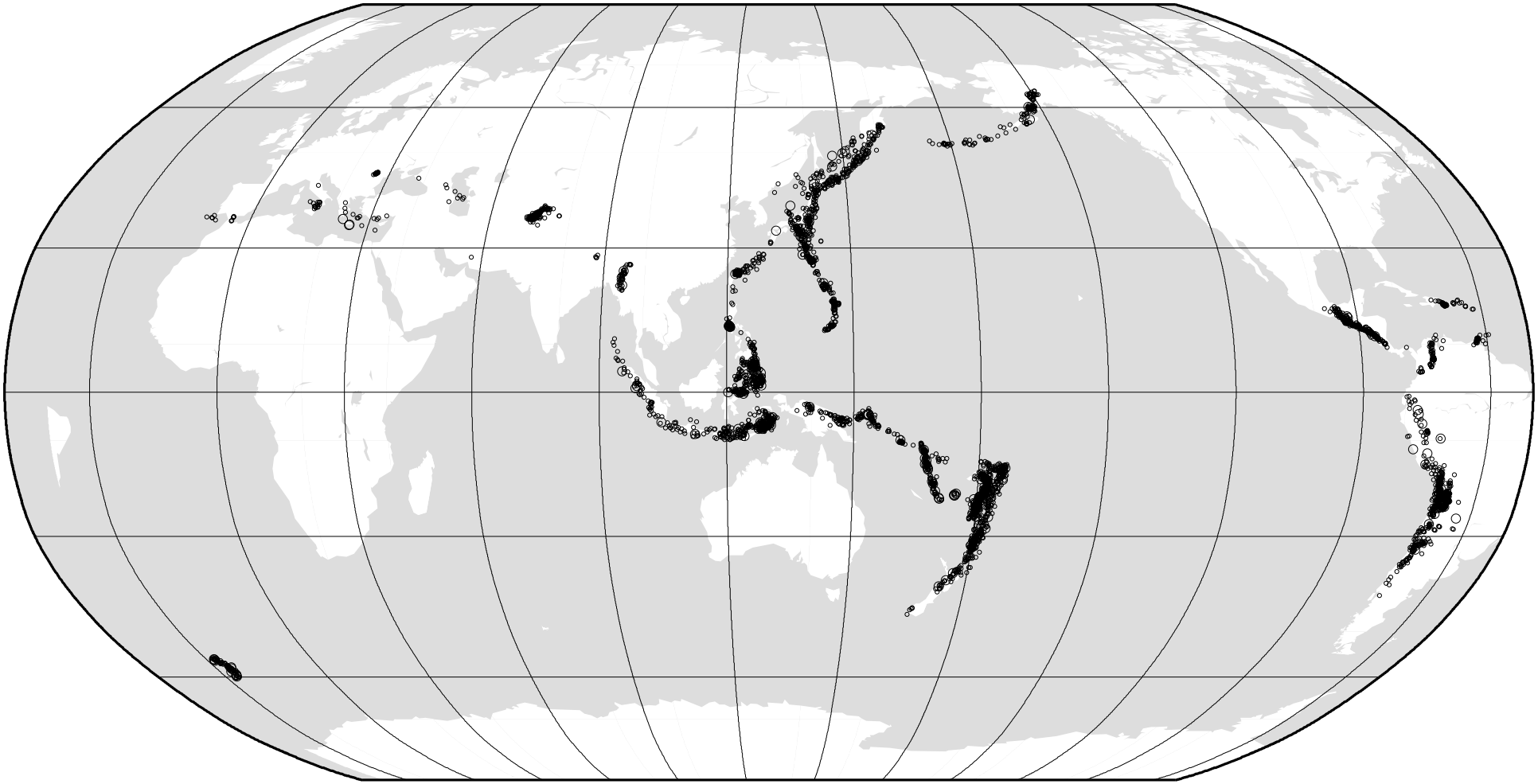
IGKRC	**INSTITUTE OF GEOLOGY, KARELIAN RESEARCH CENTRE, RUSSIAN ACADEMY OF SCIENCES.** IG KarRC RAS, 11 Pushkinskaya st, Petrozavodsk, 185910, Russia.
EST	**GEOLOGICAL SURVEY OF ESTONIA.** Geological Survey of Estonia, Kadaka tee 82, Tallinn, 12618, Estonia.
EAF	**EAST AFRICAN NETWORK.** Comprising stations from Ethiopia, Kenya, Malawi, Uganda, Zambia and Zimbabwe,
CRAAG	**CENTRE DE RECHERCHE EN ASTRONOMIE, ASTROPHYSIQUE ET GOPHYSIQUE.** Centre de Recherche en Astronomie, Astrophysique et Geophysique, Craag, Algiers, Algeria.
GDNRW	**GEOLOGISCHER DIENST NORDRHEIN-WESTFALEN.** Geologischer Dienst Nordrhein-Westfalen, De-Greiff-Str. 195, D-47803 Krefeld, Germany.
NEIC	**NATIONAL EARTHQUAKE INFORMATION CENTER.** National Earthquake Information Center, U.S. Geological Survey, Stop 966, DFC, Denver CO 80225-0046, U.S.A..
PGC	**PACIFIC GEOSCIENCE CENTRE.** Pacific Geoscience Centre, 9860 West Saanich Road, P.O. Box 6000, Sidney, British Columbia, V8L 4B2, Canada.
BEO	**REPUBLICKI SEIZMOLOSKI ZAVOD.** Seismological Survey of Serbia, Tasmajdan Park bb, P.O. Box 16, 11000 Beograd, Serbia.
PDA	**UNIVERSIDADE DOS AORES.** Universidade dos Aores, Departamento de Geociencias, Ponta Delgada, Azores, Portugal.
VAO	**INSTITUTO ASTRONOMICO E GEOFSICO.** Centro de Sismologia, IAG-USP, Rua do Mato 1226, Cidade Universitria, 05508-090 So Paulo, Brazil.
BKK	**THAI METEOROLOGICAL DEPARTMENT.** Thai Meteorological Department, 4353 Sukhumvit Road, Bangna, Bangkok, Thailand.
NIC	**CYPRUS GEOLOGICAL SURVEY DEPARTMENT.** Cyprus Geological Survey Department, 1 Lefkonos Street, 2064 Strovolos, Lefkosia, Cyprus.
DBN	**KONINKLIJK NEDERLANDS METEOROLOGISCH INSTITUUT.** Royal Netherlands Meteorological Institute, Seismology Division, Wilhelminalaan 10, P.O. Box 201, NL-3730 AE De Bilt, Netherlands.
ISC-P	**INTERNATIONAL SEISMOLOGICAL CENTRE PROBABILISTIC POINT SOURCE MODEL.** Pipers Lane, Thatcham, Berkshire RG19 4NS, United Kingdom.
AEIC	**ALASKA EARTHQUAKE INFORMATION CENTER.** Geophysical Institute, University of Alaska Fairbanks, P.O. Box 757320, Fairbanks AK 99775-7320, U.S.A..
SCB	**OBSERVATORIO SAN CALIXTO.** Observatorio San Calixto, Casilla 12656, La Paz, Bolivia.
GRAL	**NATIONAL COUNCIL FOR SCIENTIFIC RESEARCH.** National Centre for Geophysical Research, 59, Rue Zahia Selman, B.P. 11-8281 Ryad El Solh 1107, Beyrouth, Lebanon.
REN	**MACKAY SCHOOL OF MINES.** MacKay School of Mines, University of Nevada, Reno, NV 89507, U.S.A..
PTWC	**PACIFIC TSUNAMI WARNING CENTER.** Pacific Tsunami Warning Center, 91-270 Fort Weaver Rd., Ewa BeachHI 96706-2928, U.S.A..
TIR	**INSTITUTE OF GEOSCIENCES, POLYTECHNIC UNIVERSITY OF TIRANA.** Don Bosko St. 60, Tirana 1024, Albania.
CATAC	**CENTRAL AMERICAN TSUNAMI ADVISORY CENTER.** Direccion de Geofisica, Frente a Hospital Metrpoli Xolotln, Apdo. Postal 2110 Managua, Nicaragua.
AZER	**REPUBLICAN SEISMIC SURVEY CENTER OF AZERBAIJAN NATIONAL ACADEMY OF SCIENCES.** 25, Nigar Rafibeyli str., AZ1001, Baku, Azerbaijan.
SOME	**SEISMOLOGICAL EXPERIMENTAL METHODOLOGICAL EXPEDITION.** Seismological Experimental Methodological Expedition, MES RK, Al-Farabi Av., 75 A, 050060, Almaty, Kazakhstan.
PAS	**CALIFORNIA INSTITUTE OF TECHNOLOGY.** California Institute of Technology, Seismological Laboratory, 1200 E. California Blvd., MS 252-21, Pasadena, CA 91125, U.S.A..
JSO	**JORDAN SEISMOLOGICAL OBSERVATORY.** Natural Resources Authority, P.O. Box 7, Amman, Jordan.
PNSN	**PACIFIC NORTHWEST SEISMIC NETWORK.** Department Earth and Space Sciences, University of Washington, Box 351310, Seattle, WA 98195, U.S.A..
DSN	**DUBAI SEISMIC NETWORK.** Dubai Seismic Network, Dubai Municipality, Dubai, United Arab Emirates.
BGR	**BUNDESANSTALT FR GEOWISSENSCHAFTEN UND ROHSTOFFE.** Bundesanstalt fuer Geowissenschaften und Rohstoffe, Stilleweg 2, D-30655 Hannover, Germany.
KOGSR	**KOLA BRANCH, GEOPHYSICAL SURVEY, RUSSIAN ACADEMY OF SCIENCES.** , Russia.
CSEM	**CENTRE SISMOLOGIQUE EURO-MDITERRANEN (CSEM/EMSC).** Centre Sismologique Euro-Mediterraneen, c/o LDG, BP12, 91680 Bruyeres-le-Chatel, France.
SKO	**SEISMOLOGICAL OBSERVATORY SKOPJE.** University Seismological Observatory, Skopje, P.O. Box 422, 91001, Skopje, North Macedonia.
SIGU	**SUBBOTIN INSTITUTE OF GEOPHYSICS, NATIONAL ACADEMY OF SCIENCES.** Subbotin Institute of Geophysics, Ukraine.
SARA	**SARA ELECTRONIC INSTRUMENT S.R.L..** Via A. Mercuri, 4, 06129, Perugia, Italy.
BER	**UNIVERSITY OF BERGEN.** Department of Earth Science, Allegt. 41, 5007 Bergen, Norway.
SNET	**SERVICIO NACIONAL DE ESTUDIOS TERRITORIALES.** Ministerio de Obras Publicas de El Salvador, Alameda Roosevelt y 55 Avenida No. 16, San Salvador, El Salvador.
PLV	**INSTITUTE OF GEOPHYSICS, VIET NAM ACADEMY OF SCIENCE AND TECHNOLOGY.** Institute of Geophysics, Viet Nam Academy of Science and Technology, 18th Hoang Quoc Viet str., Cau Giay Dist., Ha Noi, Viet Nam.
UPSL	**UNIVERSITY OF PATRAS, DEPARTMENT OF GEOLOGY.** University of Patras, Department of Geology, University Campus, 265 04 Rio Patras, Greece.
KRSC	**KAMCHATKA BRANCH OF THE GEOPHYISCAL SURVEY OF THE RAS.** Kamchatka branch of the Geophysical Survey of the Russian Academy of Sciences, 9 Piip Boulevard, Petropavlovsk-Kamchatsky, 683006, Russia.
GCMT	**THE GLOBAL CMT PROJECT.** Lamont Doherty Earth Observatory (LDEO), Columbia University, 61 Route 9W, P.O. Box 1000, Palisades, NY 10964-1000, U.S.A..
BNS	**ERDBEBENSTATION, GEOLOGISCHES INSTITUT DER UNIVERSITT, KL.** Erdbebenstation, Geologisches Institut der Universitat Koln, Vinzenz-Pallotti-Strasse 26, 51429 Bergisch Gladbach, Germany.
OSUNB	**OBSERVATORY SEISMOLOGICAL OF THE UNIVERSITY OF BRASILIA.** Observatrio Sismolgico da Universidade de Braslia, Observatorio Sismologico, CEP 70910, Brasilia DF, Brazil.
ISK	**KANDILLI OBSERVATORY AND EARTHQUAKE RESEARCH INSTITUTE.** Kandilli Observatory and Research Institute, Bogazici University, Cengelkoy 81220, Istanbul, Turkey.
KMA	**KOREA METEOROLOGICAL ADMINISTRATION.** Earthquake Division, 460-18 Sindaebang-dong Dongjak-gu, Seoul 156-720, Republic of Korea.
WBNET	**INSTITUTE OF GEOPHYSICS, CZECH ACADEMY OF SCIENCES.** Geophysical Institute, Academy of Sciences of the Czech Republic, Bocni II/1401, 14131 Prague, Czech Republic.
BUL	**GOETZ OBSERVATORY.** Goetz Observatory, P.O. Box AC 65, Ascot, Bulawayo, Zimbabwe.
TRN	**THE SEISMIC RESEARCH CENTRE.** The University of the West Indies, St. Augustine, Trinidad, Trinidad and Tobago.
LVSN	**LATVIAN SEISMIC NETWORK.** Latvian Environment, Geology and Meteorology Centre, Maskavas Street 165, Riga, LV-1019, Latvia.
BRA	**GEOPHYSICAL INSTITUTE, SLOVAK ACADEMY OF SCIENCES.** Geophysical Institute, Slovak Academy of Sciences, Dzbravska cesta 9, 842 28 Bratislava, Slovakia.
STR	**EOST / RNASS.** EOST / RNaSS, 5 Rue Rene Descartes, 67084 Strasbourg Cedex, France.

TAN	**ANTANANARIVO.** Institut et Observatoire Geophysique d,Antananarivo, Antananarivo 101, B.P. 3843, Madagascar.
IPGP	**INSTITUT DE PHYSIQUE DU GLOBE DE PARIS.** Institut de Physique du Globe de Paris, Office 307- 1, rue Jussieu - 75238, PARIS cedex 05, France.
EVBIB	**DATA FROM PUBLICATIONS LISTED IN THE ISC EVENT BIBLIOGRAPHY.**
BJI	**CHINA EARTHQUAKE NETWORKS CENTER.** China Earthquake Networks Center, China Earthquake Administration, No.5, Sanlihe Nanhengjie, Xicheng District, Beijing 100045, China.
UUSS	**THE UNIVERSITY OF UTAH SEISMOGRAPH STATIONS.** The University of Utah, 115 South 1460 East, Room 211 FASB Salt Lake City, UTAH 84112-0102, U.S.A..
AWI	**ALFRED WEGENER INSTITUTE FOR POLAR AND MARINE RESEARCH.** Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Postfach 12 0161, D-27515, Bremerhaven, Germany.
GII	**THE GEOPHYSICAL INSTITUTE OF ISRAEL.** Geophysical Institute of Israel, P.O. Box 182, Lod 71100, Israel, Israel.
AFAD	**DISASTER AND EMERGENCY MANAGEMENT PRESIDENCY.** Earthquake Department, niversiteler Mah. Dumlupınar Bulvarı No:159, 06800 ankaya, Ankara, Turkey.
CFUSG	**INST. OF SEISMOLOGY AND GEODYNAMICS, V.I. VERNADSKY CRIMEAN FEDERAL UNIVERSITY.** V.I. Vernadsky Crimean Federal University, Trubachenko – 23a, Post Box 2733, Simferopol, 110003, Republic of Crimea.
LJU	**SLOVENIAN ENVIRONMENT AGENCY.** Slovenian Environment Agency, Seismology Office, Vojkova 1b, SI-1000 Ljubljana, Slovenia.
BUC	**NATIONAL INSTITUTE FOR EARTH PHYSICS.** National Institute for Earth Physics, Seismological Department, PO Box MG-2, 76900, Bucharest-Magurele, Romania.
IGIL	**INSTITUTO DOM LUIZ, UNIVERSITY OF LISBON.** Instituto Dom Luiz, Faculdade de Cincias da Universidade de Lisboa, Campo Grande, Edificio C1, Piso 1, 1749-016 Lisboa, Portugal.
LDG	**LABORATOIRE DE DTECTION ET DE GOPHYSIQUE/CEA.** Section Traitment de Donnees Geophysique, B.P. 12, 91680 Bruyeres-le-Chatel, France.
SEA	**GEOPHYSICS PROGRAM AK-50.** Geophysics Program AK-50, University of Washington, Seattle WA 98195, U.S.A..
NCEDC	**NORTHERN CALIFORNIA EARTHQUAKE DATA CENTER.** University of California, Berkeley and US Geological Survey, http://quake.geo.berkeley.edu/ncedc, Menlo Park, U.S.A..
SVSA	**SISTEMA DE VIGILNCIA SISMOLGICA DOS AORES.** Observatrio Afonso Chaves, Ponta Delgada, Aores, (Communications to:Servico Meteorologico Nacional, Rua C, Aeroporto, Lisboa-2, Portugal.), Portugal.
MEX	**INSTITUTO DE GEOFSICA DE LA UNAM.** Servicio Sismologico Nacional, Instituto de Geofisica, Universidad Nacional Autonoma de Mexico, Ciudad Universitaria Del. Coyoacan, C.P. 04510, Mexico D.F., Mexico.
IGQ	**SERVICIO NACIONAL DE SISMOLOGA Y VULCANOLOGA.** Instituto Geofisico, Escuela Politecnica Nacional, P.O.Box 17012759, Quito, Ecuador.

ISC Epicentres for July - December 2021

Depth > 60 km

5106 Events



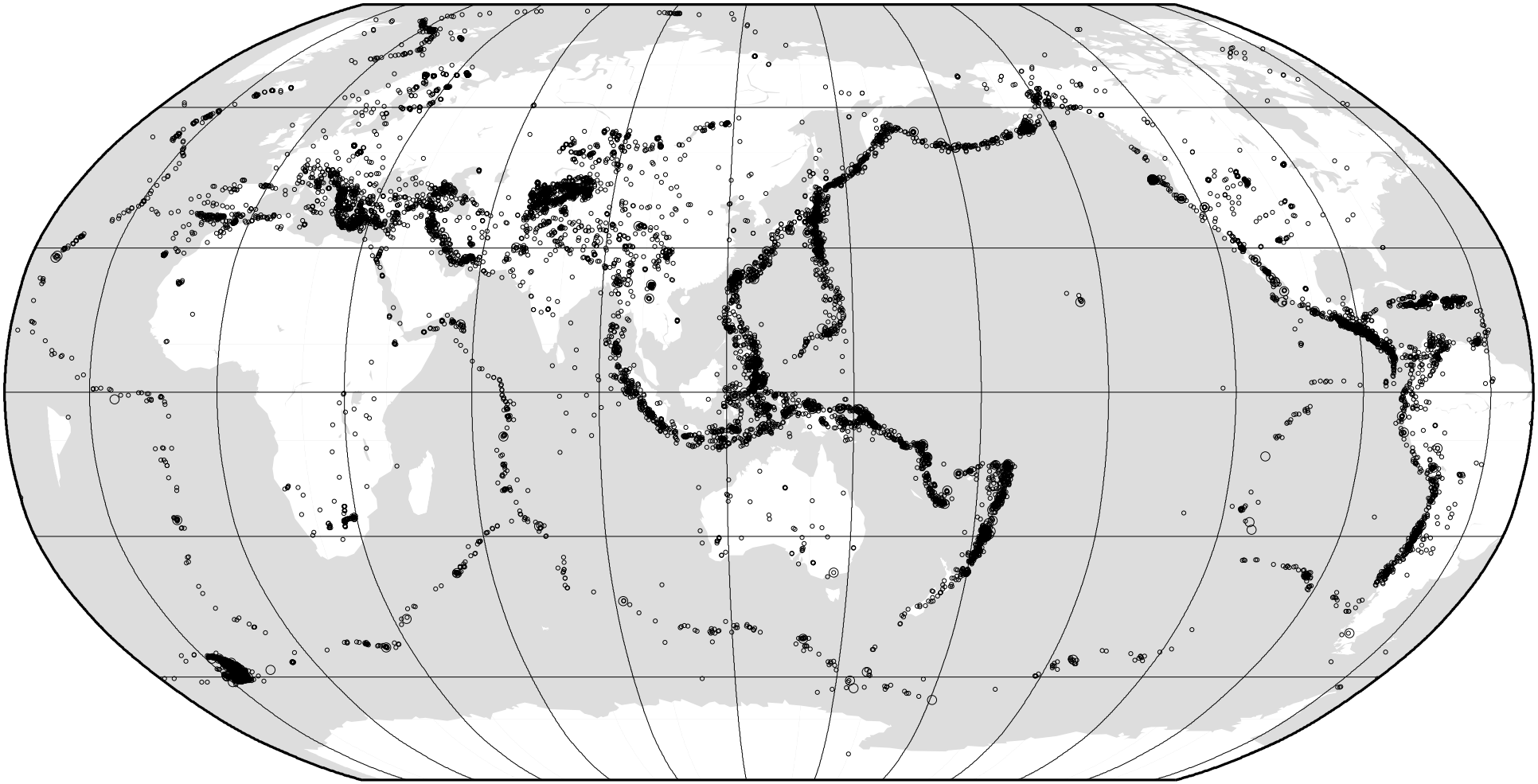
Magnitudes ○ 8 ○ 5 ◦ < 5

Robinson Projection, centred on 0˚N,130˚E

ISC Epicentres for July - December 2021

Depth <= 60 km or Unspecified

17699 Events



Magnitudes ○ 8 ○ 5 ◦ < 5

Robinson Projection, centred on 0˚N,130˚E